Pace Analytical Services

Laboratory Code: 11148

SDG Number: L2474358

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Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2474358
Report Date: 12/30/24

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2474358-01	MW-4S_P	WATER	416 MILLER PLACE-YAPHANK ROAD, MILLER PLACE, NY	12/16/24 11:00	12/17/24
L2474358-02	FB_12162024_P	WATER	416 MILLER PLACE-YAPHANK ROAD, MILLER PLACE, NY	12/16/24 10:50	12/17/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Perfluorinated Alkyl Acids by 1633

L2474358-02: The Extracted Internal Standard recoveries were above the acceptance criteria for n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (188%). Since the sample was non-detect to the RL for all associated target analytes, re-analysis was not required.

The WG2011107-2 LCS recovery, associated with L2474358-01 and -02, is above the acceptance criteria for nonafluoro-3,6-dioxaheptanoic acid (nfdha) (163%); however, the associated samples are non-detect to the reporting limit for this target analyte. The results of the original analysis are reported.

WG2011107-3R: The sample was re-analyzed due to QC failures in the original analysis. The results of the re-analysis are reported.

The WG2011107-3R LCS recovery, associated with L2474358-01 and -02, is above the acceptance criteria for nonafluoro-3,6-dioxaheptanoic acid (nfdha) (157%); however, the associated samples are non-detect to the reporting limit for this target analyte. The results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Ashley Leitao Report Date: 12/30/24

Title: Technical Director/Representative

DATA PACKAGE GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers

Data Qualifiers

the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

ND or U - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

TYPICAL INSTRUMENT PARAMETERS

Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD	Columns (length x ID x df):
Trap: Supelco K Trap (VOACARB 3000)	RTX-VMS 20m x 0.18mm x 1um
Concentrator: EST Encon (or equivalent)	RTX-VMS 30m x 0.25mm x 1.4um
Autosampler: EST Centurion (or equivalent)	RTX-502.2 40m x 0.18mm x 1um
Purge time: 11 min	

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)	Column Type: Restek RTX 502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 105 Meters
Concentrator: EST Encon (or equivalent)	df: 3.00 um
Autosampler: EST Centurion (or equivalent)	ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD	Column Type: DB-VRX
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 60 Meters
Concentrator: Tekmar Velocity / EST Encon	df: 1.40 um
Autosampler: Varian Archon / EST Centurion	ID: 0.25 mm
Purge time: 11 min	Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD	
	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200	Column Type: Restek RTX-1
Autosampler: Entech 7016CA or 7016D	Column Length: 60 Meters
	df: 1.00 um
	ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material
Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Sample Delivery Group Summary

Pace Job Number : L2474358

Account Name : Roux Env. Eng. & Geology, DPC
Project Number : 2232.0006Y005
Project Name : CORAM MATERIALS

Received : 17-DEC-2024
Reviewer : Andrew Kussmaul

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
B	Absent/	Ice	2.5	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NA**

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 30 2024, 04:22 pm

Login Number: L2474358

Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 2232.0006Y005 416 MILLER PLACE-YAPHANK ROAD, MILLE
Received: 17DEC24 Due Date: 02JAN25

Sample #	Client ID		Mat	PR	Collected
L2474358-01	MW-4S_P		S0	1	16DEC24 11:00

NYTCL-8270 SIM Report list built SUB-Sulfide is direct sub to Pace Melville NYTCL-8260: Report list built, includes non routine compounds NYTCL-8270-LV: Report list built I: Non-Routine: ;1,2,4,5-Tetrachlorobenzene;Atrazine;Benzaldehyde;Caprolactam Please log "hold" products, do not log as "contingent" Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound metals-need PPB products for NJ based jobs ASP-B Package Due Date: 01/02/25

A2-NY-1633,ASP-B

Sample #	Client ID		Mat	PR	Collected
L2474358-02	FB_12162024_P		S0	1	16DEC24 10:50

NYTCL-8270 SIM Report list built SUB-Sulfide is direct sub to Pace Melville NYTCL-8260: Report list built, includes non routine compounds NYTCL-8270-LV: Report list built I: Non-Routine: ;1,2,4,5-Tetrachlorobenzene;Atrazine;Benzaldehyde;Caprolactam Please log "hold" products, do not log as "contingent" Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound metals-need PPB products for NJ based jobs Package Due Date: 01/02/25

A2-NY-1633

Logged By: Alycia Mogayzel

NEW YORK CHAIN OF CUSTODY

ALPHA Analytical

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

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Date Rec'd in Lab: 12/18/24

ALPHA Job #: L2471358

Client Information

Client: ROUX Env.Eng.&Geology, DPC
Address: 209 Shafter Street
Islandia, NY 11749-5074
Phone: 631-232-2600
Fax:
Email: jmichaels@rouxinc.com

Project Information

Project Name: CORAM MATERIALS
Project Location: 416 Miller Place-Yaphank Road, Miller Place, NY
Project #: 2232.0006Y005
(Use Project name as Project #)
Project Manager: Julia Michaels
ALPHAQuote #: 28577

Turn-Around Time

☑ Standard — Due Date:
Rush (only if pre approved) — # of Days:

Deliverables

☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use ☐
☐ NYC Sewer Discharge ☐

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
NJ ☐ NY ☐
Other:

☐ These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

PFAS: 40 Compound List

Please specify Metals or TAL.

ANALYSIS

A2-NY-1633

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	A2-NY-1633	Sample Specific Comments	Total Bottles
24358 - 01	MW-45_P	12/16/24	1100	AQ	AI	X		2
- 02	FB_12162024_P	12/16/24	1050	AQ	AI	X		1

Container Type: P
Preservative: A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	12/16/24 1400		
	12/17 1240		12/17 8:50
	12.17.24 2245		12.17.24
	12/18/24 0115		12/17/24 2245
			12/18/24 0115

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)

12/18/24 05:00 12/18/24 0700 12/18/24 0700

Organics

PFAS via Draft Method 1633

Semivolatiles QC Summary

Laboratory Control Sample (Low Level) Summary
Form 3
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC			**Lab Number**	: L2474358
Project Name	: CORAM MATERIALS			**Project Number**	: 2232.0006Y005
Matrix (Level)	: WATER ()				
LCS Sample ID	: WG2011107-2	**Analysis Date**	: 12/19/24 17:50	**File ID**	: SCI05_241219_68.wiff2
LCSD Sample ID	:	**Analysis Date**	:	**File ID**	:

	Laboratory Control Sample (LOW)			Laboratory Control Duplicate (LOW)					
Parameter	**True (ng/l)**	**Found (ng/l)**	**%R**	**True (ng/l)**	**Found (ng/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Perfluorobutanoic Acid (PFBA)	12.8	15.4	120				-	70-140	30
Perfluoropentanoic Acid (PFPeA)	6.4	8.18	128				-	65-135	30
Perfluorobutanesulfonic Acid (PFBS)	2.84	3.46	122				-	60-145	30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	12	14.7	123				-	70-145	30
Perfluorohexanoic Acid (PFHxA)	3.2	3.80	119				-	70-145	30
Perfluoropentanesulfonic Acid (PFPeS)	3.01	3.61	120				-	65-140	30
Perfluoroheptanoic Acid (PFHpA)	3.2	4.43	138				-	70-150	30
Perfluorohexanesulfonic Acid (PFHxS)	2.93	3.72	127				-	65-145	30
Perfluorooctanoic Acid (PFOA)	3.2	3.65	114				-	70-150	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	12.2	16.5	136				-	65-155	30
Perfluoroheptanesulfonic Acid (PFHpS)	3.05	3.41	112				-	70-150	30
Perfluorononanoic Acid (PFNA)	3.2	3.84	120				-	70-150	30
Perfluorooctanesulfonic Acid	2.97	3.60	121				-	55-150	30

Laboratory Control Sample (Low Level) Summary
Form 3
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC			**Lab Number**	: L2474358
Project Name	: CORAM MATERIALS			**Project Number**	: 2232.0006Y005
Matrix (Level)	: WATER ()				
LCS Sample ID	: WG2011107-2	**Analysis Date**	: 12/19/24 17:50	**File ID**	: SCI05_241219_68.wiff2
LCSD Sample ID	:	**Analysis Date**	:	**File ID**	:

	Laboratory Control Sample (LOW)			Laboratory Control Duplicate (LOW)					
Parameter	**True (ng/l)**	**Found (ng/l)**	**%R**	**True (ng/l)**	**Found (ng/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
(PFOS)									
Perfluorodecanoic Acid (PFDA)	3.2	3.83	120				-	70-140	30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	12.3	15.1	122				-	60-150	30
Perfluorononanesulfonic Acid (PFNS)	3.08	3.59	116				-	65-145	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	3.2	3.67	115				-	50-140	30
Perfluoroundecanoic Acid (PFUnA)	3.2	3.68	115				-	70-145	30
Perfluorodecanesulfonic Acid (PFDS)	3.08	3.36	109				-	60-145	30
Perfluorooctanesulfonamide (PFOSA)	3.2	3.88	121				-	70-145	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	3.2	4.05	126				-	70-145	30
Perfluorododecanoic Acid (PFDoA)	3.2	4.08	128				-	70-140	30
Perfluorotridecanoic Acid (PFTrDA)	3.2	4.04	126				-	65-140	30

Laboratory Control Sample (Low Level) Summary
Form 3
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC			**Lab Number**	: L2474358
Project Name	: CORAM MATERIALS			**Project Number**	: 2232.0006Y005
Matrix (Level)	: WATER ()				
LCS Sample ID	: WG2011107-2	**Analysis Date**	: 12/19/24 17:50	**File ID**	: SCI05_241219_68.wiff2
LCSD Sample ID	:	**Analysis Date**	:	**File ID**	:

	Laboratory Control Sample (LOW)			Laboratory Control Duplicate (LOW)					
Parameter	**True (ng/l)**	**Found (ng/l)**	**%R**	**True (ng/l)**	**Found (ng/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Perfluorotetradecanoic Acid (PFTeDA)	3.2	3.74	117				-	60-140	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	12.8	14.1	110				-	70-140	30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	12.1	13.3	110				-	65-145	30
Perfluorododecanesulfonic Acid (PFDoS)	3.11	3.79	122				-	50-145	30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	11.9	15.9	133				-	70-155	30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	12.1	13.5	112				-	55-160	30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	3.2	4.19	131				-	60-150	30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	3.2	4.23	132				-	65-145	30
N-Methyl Perfluorooctanesulfonami	32	37.4	117				-	70-145	30

Laboratory Control Sample (Low Level) Summary
Form 3
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC			**Lab Number**	: L2474358
Project Name	: CORAM MATERIALS			**Project Number**	: 2232.0006Y005
Matrix (Level)	: WATER ()				
LCS Sample ID	: WG2011107-2	**Analysis Date**	: 12/19/24 17:50	**File ID**	: SCI05_241219_68.wiff2
LCSD Sample ID	:	**Analysis Date**	:	**File ID**	:

	Laboratory Control Sample (LOW)			Laboratory Control Duplicate (LOW)					
Parameter	**True (ng/l)**	**Found (ng/l)**	**%R**	**True (ng/l)**	**Found (ng/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
do Ethanol (NMeFOSE)									
N-Ethyl Perfluorooctanesulfonamid o Ethanol (NEtFOSE)	32	37.0	116				-	70-135	30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	6.4	6.72	105				-	55-140	30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	6.4	7.69	120				-	60-150	30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	5.71	7.19	126				-	70-140	30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	6.4	10.4	163 Q				-	50-150	30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	16	19.1	119				-	65-130	30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	80	99.7	125				-	70-135	30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	80	66.0	82				-	50-145	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2474358
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG2011107-3 **Analysis Date** : 12/20/24 01:35	**File ID**	: SCI05_241219_96.wiff2
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (ng/l)**	**Found (ng/l)**	**%R**	**True (ng/l)**	**Found (ng/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Perfluorobutanoic Acid (PFBA)	80	93.2	116				-	70-140	30
Perfluoropentanoic Acid (PFPeA)	40	49.7	124				-	65-135	30
Perfluorobutanesulfonic Acid (PFBS)	17.8	20.5	116				-	60-145	30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	75	85.0	113				-	70-145	30
Perfluorohexanoic Acid (PFHxA)	20	25.9	129				-	70-145	30
Perfluoropentanesulfonic Acid (PFPeS)	18.8	20.6	110				-	65-140	30
Perfluoroheptanoic Acid (PFHpA)	20	23.6	118				-	70-150	30
Perfluorohexanesulfonic Acid (PFHxS)	18.3	20.0	109				-	65-145	30
Perfluorooctanoic Acid (PFOA)	20	21.9	110				-	70-150	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	76.1	111	146				-	65-155	30
Perfluoroheptanesulfonic Acid (PFHpS)	19	20.9	110				-	70-150	30
Perfluorononanoic Acid (PFNA)	20	22.9	114				-	70-150	30
Perfluorooctanesulfonic Acid	18.6	19.7	106				-	55-150	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2474358
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG2011107-3 **Analysis Date** : 12/20/24 01:35	**File ID**	: SCI05_241219_96.wiff2
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
(PFOS)									
Perfluorodecanoic Acid (PFDA)	20	22.8	114				-	70-140	30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	76.8	90.8	118				-	60-150	30
Perfluorononanesulfonic Acid (PFNS)	19.3	20.7	107				-	65-145	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	20	20.7	103				-	50-140	30
Perfluoroundecanoic Acid (PFUnA)	20	22.5	112				-	70-145	30
Perfluorodecanesulfonic Acid (PFDS)	19.3	17.0	88				-	60-145	30
Perfluorooctanesulfonamide (PFOSA)	20	21.7	108				-	70-145	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	20	21.3	107				-	70-145	30
Perfluorododecanoic Acid (PFDoA)	20	24.7	123				-	70-140	30
Perfluorotridecanoic Acid (PFTrDA)	20	21.7	109				-	65-140	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2474358
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG2011107-3 **Analysis Date** : 12/20/24 01:35	**File ID**	: SCI05_241219_96.wiff2
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (ng/l)**	**Found (ng/l)**	**%R**	**True (ng/l)**	**Found (ng/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Perfluorotetradecanoic Acid (PFTeDA)	20	21.5	108				-	60-140	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	80	89.8	112				-	70-140	30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	75.6	78.8	104				-	65-145	30
Perfluorododecanesulfonic Acid (PFDoS)	19.4	17.0	87				-	50-145	30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	74.6	88.2	118				-	70-155	30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	75.4	73.0	97				-	55-160	30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	20	20.0	100				-	60-150	30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	20	21.3	107				-	65-145	30
N-Methyl Perfluorooctanesulfonami	200	219	109				-	70-145	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC			**Lab Number**	: L2474358
Project Name	: CORAM MATERIALS			**Project Number**	: 2232.0006Y005
Matrix (Level)	: WATER ()				
LCS Sample ID	: WG2011107-3	**Analysis Date**	: 12/20/24 01:35	**File ID**	: SCI05_241219_96.wiff2
LCSD Sample ID	:	**Analysis Date**	:	**File ID**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (ng/l)**	**Found (ng/l)**	**%R**	**True (ng/l)**	**Found (ng/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
do Ethanol (NMeFOSE)									
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	200	219	110				-	70-135	30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	40	42.9	107				-	55-140	30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	40	46.5	116				-	60-150	30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	35.7	43.9	123				-	70-140	30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	40	62.7	157 Q				-	50-150	30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	100	130	130				-	65-130	30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	500	557	111				-	70-135	30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	500	338	68				-	50-145	30

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Roux Env. Eng. & Geology, DPC
Project Name: CORAM MATERIALS

Lab Number: L2474358
Project Number: 2232.0006Y005
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 ()	S2 ()	S3 ()	S4 ()	S5 ()	S6 ()	S7 ()
MW-4S_P (L2474358-01)	91	80	93	115	76	82	89
FB_12162024_P (L2474358-02)	98	106	106	95	100	94	104
WG2011107-1BLANK	78	84	75	72	75	74	73
WG2011107-2LCS	74	79	76	68	71	69	66
WG2011107-3LCS	88	88	89	85	81	83	85

QC LIMITS

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

* Values outside of QC limits

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Roux Env. Eng. & Geology, DPC
Project Name: CORAM MATERIALS

Lab Number: L2474358
Project Number: 2232.0006Y005
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S8 ()	S9 ()	S10 ()	S11 ()	S12 ()	S13 ()	S14 ()
MW-4S_P (L2474358-01)	89	91	83	87	78	77	124
FB_12162024_P (L2474358-02)	103	91	96	89	86	83	188*
WG2011107-1BLANK	89	63	77	64	57	54	94
WG2011107-2LCS	81	61	77	71	71	67	120
WG2011107-3LCS	88	69	90	87	84	77	132

QC LIMITS

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

* Values outside of QC limits

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Roux Env. Eng. & Geology, DPC
Project Name: CORAM MATERIALS

Lab Number: L2474358
Project Number: 2232.0006Y005
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S15 ()	S16 ()	S17 ()	S18 ()	S19 ()	S20 ()	S21 ()
MW-4S_P (L2474358-01)	69	75	63	61	56	79	57
FB_12162024_P (L2474358-02)	77	77	59	73	67	109	53
WG2011107-1BLANK	55	68	41	45	38	99	41
WG2011107-2LCS	71	70	52	63	64	84	39
WG2011107-3LCS	74	77	59	63	58	95	52

QC LIMITS

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

*** Values outside of QC limits**

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Roux Env. Eng. & Geology, DPC
Project Name: CORAM MATERIALS

Lab Number: L2474358
Project Number: 2232.0006Y005
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S22 ()	S23 ()	S24 ()	S25 ()	S26 ()	S27 ()	S28 ()	TOT OUT
MW-4S_P (L2474358-01)	59	54	58	--	--	--	--	0
FB_12162024_P (L2474358-02)	58	59	61	--	--	--	--	1
WG2011107-1BLANK	44	50	49	--	--	--	--	0
WG2011107-2LCS	40	56	58	--	--	--	--	0
WG2011107-3LCS	56	63	64	--	--	--	--	0

QC LIMITS

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

*** Values outside of QC limits**

FORM II A2-NY-1633 (Continued)

Method Blank Summary
Form 4
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2474358
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab Sample ID	: WG2011107-1	**Lab File ID**	: SCI05_241219_67.wiff2
Instrument ID	: LCMS05	**Extraction Date**	: 12/19/24
Matrix	: WATER	**Analysis Date**	: 12/19/24 17:41
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2011107-2LCS	WG2011107-2	12/19/24 17:50
MW-4S_P	L2474358-01	12/20/24 01:17
FB_12162024_P	L2474358-02	12/20/24 01:26
WG2011107-3LCS	WG2011107-3R	12/20/24 01:35

Date Created: 11/21/24
Created By: Jason Hebert
File: PM18019-1
Page: 1

PFAAs via EPA 1633 (WATER)

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

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

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

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

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

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Date Created: 11/21/24
Created By: Jason Hebert
File: PM18021-1
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PFAAs via EPA 1633 (SOIL)

Holding Time: 90 days
Container/Sample Preservation: 1 - Plastic 8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Perfluorobutanoic Acid (PFBA)	375-22-4	0.8	0.266	ng/g	70-140	30	70-140	30	30			
Perfluoropentanoic Acid (PFPeA)	2706-90-3	0.4	0.134	ng/g	60-150	30	60-150	30	30			
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	0.2	0.067	ng/g	65-145	30	65-145	30	30			
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	757124-72-4	0.8	0.266	ng/g	60-150	30	60-150	30	30			
Perfluorohexanoic Acid (PFHxA)	307-24-4	0.2	0.067	ng/g	65-140	30	65-140	30	30			
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	0.2	0.067	ng/g	55-160	30	55-160	30	30			
Perfluoroheptanoic Acid (PFHpA)	375-85-9	0.2	0.067	ng/g	65-145	30	65-145	30	30			
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	0.2	0.067	ng/g	60-150	30	60-150	30	30			
Perfluorooctanoic Acid (PFOA)	335-67-1	0.2	0.067	ng/g	70-150	30	70-150	30	30			
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2	0.8	0.266	ng/g	55-200	30	55-200	30	30			
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	0.2	0.067	ng/g	65-155	30	65-155	30	30			
Perfluorononanoic Acid (PFNA)	375-95-1	0.2	0.067	ng/g	70-155	30	70-155	30	30			
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	0.2	0.067	ng/g	65-160	30	65-160	30	30			
Perfluorodecanoic Acid (PFDA)	335-76-2	0.2	0.067	ng/g	70-155	30	70-155	30	30			
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4	0.8	0.266	ng/g	70-150	30	70-150	30	30			
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	0.2	0.067	ng/g	55-140	30	55-140	30	30			
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA	2355-31-9	0.2	0.086	ng/g	65-155	30	65-155	30	30			
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	0.2	0.067	ng/g	70-155	30	70-155	30	30			
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	0.2	0.067	ng/g	40-155	30	40-155	30	30			
Perfluorooctanesulfonamide (FOSA)	754-91-6	0.2	0.067	ng/g	70-140	30	70-140	30	30			
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	0.2	0.067	ng/g	65-165	30	65-165	30	30			
Perfluorododecanoic Acid (PFDoA)	307-55-1	0.2	0.067	ng/g	70-150	30	70-150	30	30			
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	0.2	0.067	ng/g	65-150	30	65-150	30	30			
Perfluorotetradecanoic Acid (PFTA)	376-06-7	0.2	0.067	ng/g	65-150	30	65-150	30	30			
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Pro	13252-13-6	0.8	0.266	ng/g	70-145	30	70-145	30	30			
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	919005-14-4	0.8	0.266	ng/g	70-160	30	70-160	30	30			
Perfluorododecane Sulfonic Acid (PFDoDS)	79780-39-5	0.2	0.067	ng/g	25-160	30	25-160	30	30			
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3	756426-58-1	0.8	0.266	ng/g	70-150	30	70-150	30	30			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-	763051-92-9	0.8	0.266	ng/g	45-160	30	45-160	30	30			
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	31506-32-8	0.2	0.067	ng/g	70-155	30	70-155	30	30			
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	4151-50-2	0.2	0.067	ng/g	70-140	30	70-140	30	30			
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	24448-09-7	2	0.666	ng/g	70-140	30	70-140	30	30			
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	1691-99-2	2	0.666	ng/g	70-135	30	70-135	30	30			
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	377-73-1	0.4	0.134	ng/g	30-140	30	30-140	30	30			
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	863090-89-5	0.4	0.134	ng/g	60-150	30	60-150	30	30			
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	113507-82-7	0.4	0.134	ng/g	70-140	30	70-140	30	30			
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	151772-58-6	0.4	0.134	ng/g	60-155	30	60-155	30	30			
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	356-02-5	1	0.334	ng/g	45-130	30	45-130	30	30			
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	914637-49-3	5	1.664	ng/g	60-130	30	60-130	30	30			
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	812-70-4	5	1.664	ng/g	60-150	30	60-150	30	30			
Perfluoro[13C4]Butanoic Acid (MPFBA)	*NONE*									*8-130*		
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	*NONE*									*35-130*		

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Date Created: 11/21/24
Created By: Jason Hebert
File: PM18021-1
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PFAAs via EPA 1633 (SOIL)

Holding Time: 90 days
Container/Sample Preservation: 1 - Plastic 8oz unpreserved

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

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
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Semivolatile Sample Data

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2474358
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2474358-01	**Date Collected**	: 12/16/24 11:00
Client ID	: MW-4S_P	**Date Received**	: 12/17/24
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD, MILLER PLACE, NY	**Date Analyzed**	: 12/20/24 01:17
Sample Matrix	: WATER	**Date Extracted**	: 12/19/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_241219_94	**Analyst**	: AC
Sample Amount	: 495.74 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)	4.27	6.45	0.532	J
2706-90-3	Perfluoropentanoic Acid (PFPeA)	4.46	3.23	0.363	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	3.22	1.61	0.403	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.45	0.920	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	4.04	1.61	0.250	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	0.226	1.61	0.210	J
375-85-9	Perfluoroheptanoic Acid (PFHpA)	2.40	1.61	0.242	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	2.14	1.61	0.137	
335-67-1	Perfluorooctanoic Acid (PFOA)	9.67	1.61	0.266	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.45	4.86	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.61	0.202	U
375-95-1	Perfluorononanoic Acid (PFNA)	0.492	1.61	0.266	J
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	3.14	1.61	0.266	
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.61	0.210	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.45	1.23	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.61	0.202	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.61	0.484	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2474358
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2474358-01	**Date Collected**	: 12/16/24 11:00
Client ID	: MW-4S_P	**Date Received**	: 12/17/24
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD, MILLER PLACE, NY	**Date Analyzed**	: 12/20/24 01:17
Sample Matrix	: WATER	**Date Extracted**	: 12/19/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_241219_94	**Analyst**	: AC
Sample Amount	: 495.74 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**
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.61	0.178	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.61	0.137	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.61	0.097	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.61	0.484	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.61	0.218	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.61	0.186	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.61	0.161	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.45	1.61	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.45	0.379	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.61	0.242	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.45	0.444	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.45	0.452	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.61	0.226	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.61	0.355	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2474358
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2474358-01	**Date Collected**	: 12/16/24 11:00
Client ID	: MW-4S_P	**Date Received**	: 12/17/24
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD, MILLER PLACE, NY	**Date Analyzed**	: 12/20/24 01:17
Sample Matrix	: WATER	**Date Extracted**	: 12/19/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_241219_94	**Analyst**	: AC
Sample Amount	: 495.74 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**
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	16.1	1.32	U
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	16.1	1.11	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.23	0.250	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.23	0.363	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.23	0.331	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.23	0.549	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	8.07	0.541	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	40.3	4.29	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	40.3	3.21	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2474358
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2474358-02	**Date Collected**	: 12/16/24 10:50
Client ID	: FB_12162024_P	**Date Received**	: 12/17/24
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD, MILLER PLACE, NY	**Date Analyzed**	: 12/20/24 01:26
Sample Matrix	: WATER	**Date Extracted**	: 12/19/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_241219_95	**Analyst**	: AC
Sample Amount	: 506.43 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	6.32	0.521	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	3.16	0.355	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.58	0.395	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.32	0.900	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	1.58	0.245	U
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.58	0.205	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.58	0.237	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.58	0.134	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	1.58	0.261	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.32	4.75	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.58	0.197	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.58	0.261	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	1.58	0.261	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.58	0.205	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.32	1.21	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.58	0.197	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.58	0.474	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2474358
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2474358-02	**Date Collected**	: 12/16/24 10:50
Client ID	: FB_12162024_P	**Date Received**	: 12/17/24
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD, MILLER PLACE, NY	**Date Analyzed**	: 12/20/24 01:26
Sample Matrix	: WATER	**Date Extracted**	: 12/19/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_241219_95	**Analyst**	: AC
Sample Amount	: 506.43 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**
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.58	0.174	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.58	0.134	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.58	0.095	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.58	0.474	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.58	0.213	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.58	0.182	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.58	0.158	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.32	1.58	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.32	0.371	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.58	0.237	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.32	0.434	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.32	0.442	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.58	0.221	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.58	0.348	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2474358
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2474358-02	**Date Collected**	: 12/16/24 10:50
Client ID	: FB_12162024_P	**Date Received**	: 12/17/24
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD, MILLER PLACE, NY	**Date Analyzed**	: 12/20/24 01:26
Sample Matrix	: WATER	**Date Extracted**	: 12/19/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_241219_95	**Analyst**	: AC
Sample Amount	: 506.43 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**
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.8	1.29	U
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	15.8	1.09	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.16	0.245	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.16	0.355	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.16	0.324	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.16	0.537	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.90	0.529	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	39.5	4.20	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	39.5	3.14	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2474358
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2011107-1	**Date Collected**	: NA
Client ID	: WG2011107-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/19/24 17:41
Sample Matrix	: WATER	**Date Extracted**	: 12/19/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_241219_67	**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	0.528	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	3.20	0.360	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.60	0.400	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.40	0.912	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	1.60	0.248	U
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.60	0.208	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.60	0.240	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.60	0.136	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	1.60	0.264	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.40	4.82	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.60	0.200	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.60	0.264	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	1.60	0.264	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.60	0.208	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.40	1.22	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.60	0.200	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.60	0.480	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.60	0.176	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2474358
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2011107-1	**Date Collected**	: NA
Client ID	: WG2011107-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/19/24 17:41
Sample Matrix	: WATER	**Date Extracted**	: 12/19/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_241219_67	**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	0.136	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.60	0.096	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.60	0.480	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.60	0.216	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.60	0.184	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.60	0.160	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.40	1.60	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.40	0.376	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.60	0.240	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.40	0.440	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.40	0.448	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.60	0.224	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.60	0.352	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	16.0	1.30	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2474358
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2011107-1	**Date Collected**	: NA
Client ID	: WG2011107-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/19/24 17:41
Sample Matrix	: WATER	**Date Extracted**	: 12/19/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_241219_67	**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	1.10	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.20	0.248	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.20	0.360	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.20	0.328	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.20	0.544	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	8.00	0.536	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	40.0	4.26	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	40.0	3.18	U

Method: EPA1633F.qmethod
Calibration: 241115_EPA1633_ICAL

ID: L2474358-01
Name: SCI05_241219_94.wiff2
Date & Time: 2024-12-20T01:17:31
Description: WG2011094,WG2011107,ICAL21712
Instrument: SCIEX Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.66	213.0 / 169.0	87213		0.529	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	1.36	263.0 / 219.0	94536		0.553	0.009	N/A	N/A	N/A
3	PFPeA_2	2706-90-3	1.36	263.0 / 68.9	811	M2	0.639	0.009	N/A	N/A	N/A
4	PFHxA	307-24-4	2.18	313.0 / 269.0	123799		0.501	0.082	0.089	Pass	N/A
5	PFHxA_2	307-24-4	2.18	313.0 / 119.0	10164		0.557	0.082	0.089	Pass	N/A
6	PFHpA	375-85-9	2.82	363.1 / 319.0	84454		0.298	0.337	0.332	Pass	N/A
7	PFHpA_2	375-85-9	2.82	363.1 / 169.0	28474		0.313	0.337	0.332	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.26	413.1 / 369.1	330910	M5	1.199	0.328	0.369	Pass	N/A
9	PFOA_2	335-67-1	3.26	413.1 / 169.0	108697	M5	1.067	0.328	0.369	Pass	N/A
10	PFNA	375-95-1	3.66	462.8 / 418.9	14007		0.061	0.186	0.303	Pass	N/A
11	PFNA_2	375-95-1	3.66	462.8 / 219.0	2600		0.038	0.186	0.303	Pass	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.162	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.162	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.199	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.199	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.180	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.180	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.160	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.160	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.149	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.149	N/A	N/A
22	PFBS	375-73-5	2.17	299.1 / 80.1	65884		0.399	0.362	0.388	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.16	299.1 / 99.1	23831		0.363	0.362	0.388	Pass	N/A
24	PFPeS	2706-91-4	2.87	349.1 / 80.1	4414		0.028	0.193	0.297	Pass	N/A
25	PFPeS_2	2706-91-4	2.88	349.1 / 99.1	852	M2	0.019	0.193	0.297	Pass	N/A
26	PFHxS	355-46-4	3.35	399.1 / 80.1	37728	M5	0.265	0.280	0.296	Pass	N/A
27	PFHxS_2	355-46-4	3.35	399.1 / 99.1	10566	M5	0.241	0.280	0.296	Pass	N/A
28	PFHpS	375-92-8	3.78	449.1 / 80.1	2846		0.022	0.427	0.258	Fail	N/A
29	PFHpS_2	375-92-8	3.78	449.1 / 99.1	1214	M2	0.035	0.427	0.258	Fail	N/A
30	PFOS	1763-23-1	4.13	499.1 / 80.1	56185	M5	0.389	0.167	0.233	Pass	N/A
31	PFOS_2	1763-23-1	4.18	499.1 / 99.1	9376	M5	0.291	0.167	0.233	Pass	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.296	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.296	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.272	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.272	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.263	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.263	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	0.559	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.559	N/A	N/A
40	6:2FTS	27619-97-2	3.09	427.2 / 407.2	2655		0.066	0.567	0.593	Pass	N/A
41	6:2FTS_2	27619-97-2	3.09	427.2 / 81.1	1505	M2	0.060	0.567	0.593	Pass	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.759	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.759	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.023	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.023	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.457	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.457	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.309	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.309	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.804	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.804	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.419	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	0.419	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	0.685	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.685	N/A	N/A
58	ADONA	919005-14-4	N/A	376.9 / 251.0	N/A		N/A	N/A	0.884	N/A	N/A
59	ADONA_2	919005-14-4	N/A	376.9 / 84.8	N/A		N/A	N/A	0.884	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.325	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.325	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.338	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.338	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.433	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.433	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	0.935	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	0.935	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	1.712	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.712	N/A	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.084	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.084	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	0.781	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.781	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.150	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.150	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.65	217.0 / 172.0	1956427		9.056	NA	NA	NA	90.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.36	268.0 / 223.0	987527		4.007	NA	NA	NA	80.1
	13C5-PFHxA	EIS	2.17	318.0 / 273.0	403390		1.905	NA	NA	NA	76.2
	13C4-PFHpA	EIS	2.82	367.0 / 322.0	297683		2.047	NA	NA	NA	81.9
	13C8-PFOA	EIS	3.25	420.8 / 376.0	948458		2.229	NA	NA	NA	89.2
	13C9-PFNA	EIS	3.65	472.0 / 427.0	339554		1.032	NA	NA	NA	82.5
	13C6-PFDA	EIS	4.04	519.0 / 474.0	324985		0.980	NA	NA	NA	78.4
	13C7-PFUnA	EIS	4.42	570.0 / 525.0	246987		0.863	NA	NA	NA	69.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.79	615.1 / 570.0	183022		0.767	NA	NA	NA	61.4
	13C2-PFTeDA	EIS	5.52	715.1 / 670.1	148244		0.694	NA	NA	NA	55.6
	13C3-PFBS	EIS	2.16	302.1 / 80.1	401780		2.174	NA	NA	NA	93.3
	13C3-PFHxS	EIS	3.35	402.1 / 80.1	338260		2.112	NA	NA	NA	89.1
	13C8-PFOS	EIS	4.18	507.1 / 80.1	348970		2.077	NA	NA	NA	86.5
	13C2-4:2FTS	EIS	1.96	329.1 / 81.1	165171		5.387	NA	NA	NA	114.9
	13C2-6:2FTS	EIS	3.09	429.2 / 81.1	122287		4.316	NA	NA	NA	90.7
	13C2-8:2FTS	EIS	3.87	529.2 / 81.1	93564		3.675	NA	NA	NA	76.6

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.27	506.1 / 78.1	500051		1.867	NA	NA	NA	74.7
d3-NMeFOSA	EIS	5.98	515.2 / 219.0	55969		1.421	NA	NA	NA	56.8
d5-NEtFOSA	EIS	6.25	531.2 / 219.0	53868		1.467	NA	NA	NA	58.7
d3-NMeFOSAA	EIS	4.14	573.2 / 419.1	257134		6.201	NA	NA	NA	124.0
d5-NEtFOSAA	EIS	4.33	589.3 / 419.1	126407		3.169	NA	NA	NA	63.4
d7-NMeFOSE	EIS	5.83	623.2 / 58.9	631847		13.567	NA	NA	NA	54.3
d9-NEtFOSE	EIS	6.12	639.2 / 58.9	980119		14.523	NA	NA	NA	58.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.43	287.0 / 169.0	1217637		7.891	NA	NA	NA	78.9
	13C3-PFBA	NIS	0.65	216.0 / 172.0	961067		4.858	NA	NA	NA	97.2
	13C2-PFHxA	NIS	2.18	315.0 / 270.0	740458		2.817	NA	NA	NA	112.7
	13C4-PFOA	NIS	3.25	417.0 / 372.0	418907		2.418	NA	NA	NA	96.7
	13C5-PFNA	NIS	3.65	468.0 / 423.0	371292		1.193	NA	NA	NA	95.5
	13C2-PFDA	NIS	4.04	515.1 / 470.1	385620		1.217	NA	NA	NA	97.4
	18O2-PFHxS	NIS	3.35	403.1 / 84.1	324407		2.295	NA	NA	NA	96.8
	13C4-PFOS	NIS	4.17	503.1 / 80.1	291839		2.357	NA	NA	NA	98.2

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

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Alpha Analytical LLC
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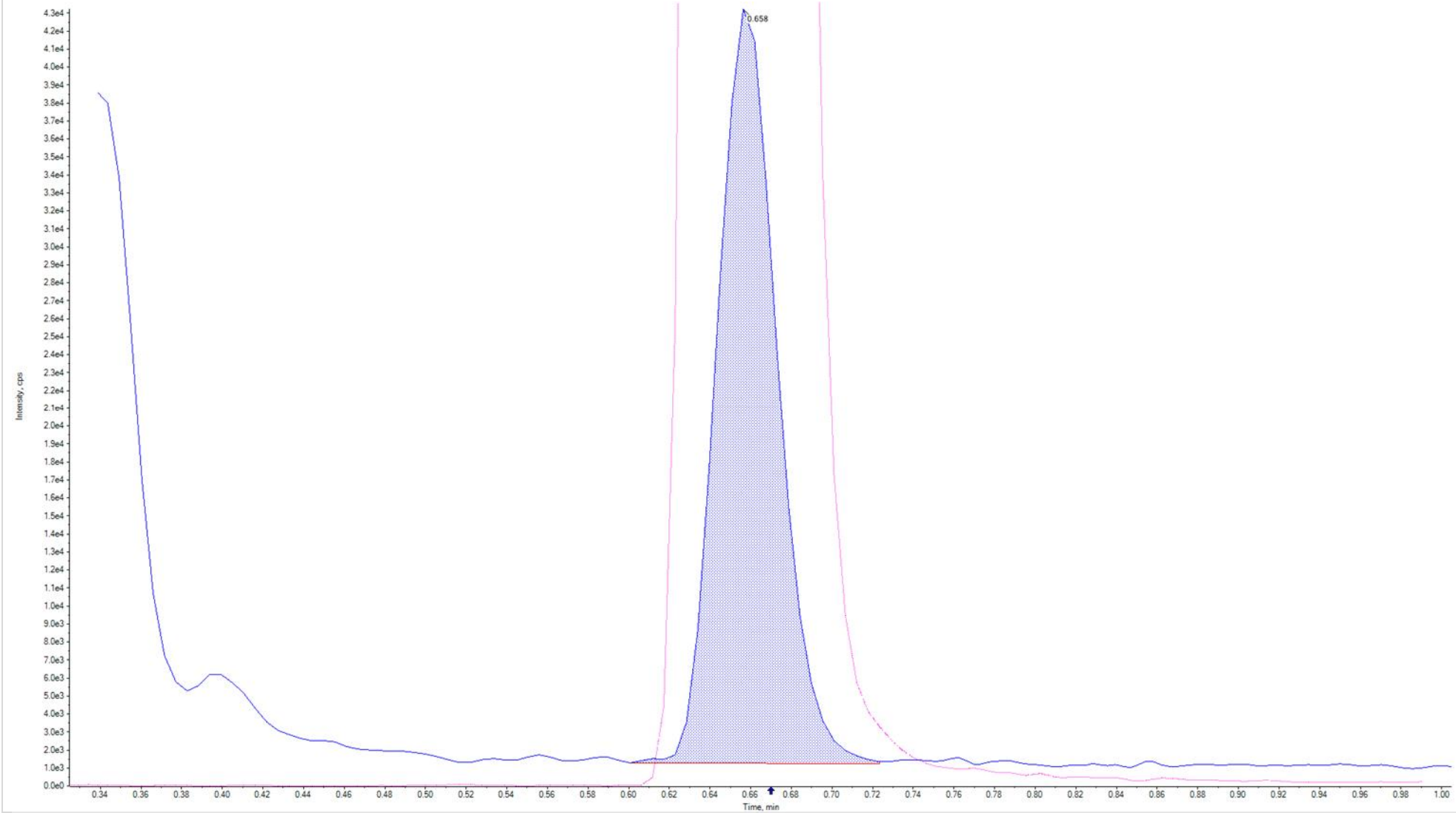
PFBA
Sample: L2474358-01 S/N:173.0 Points Across peak:23



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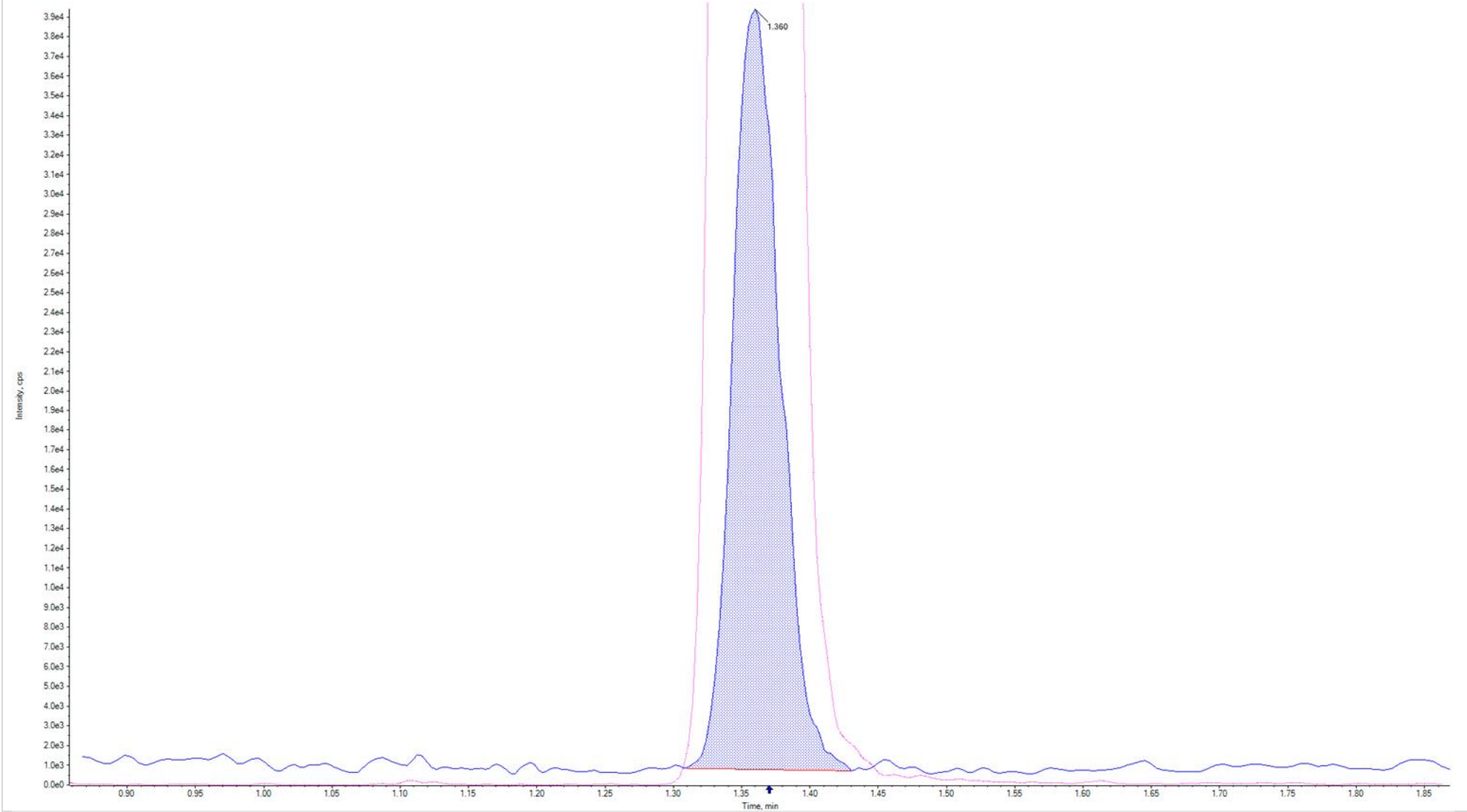
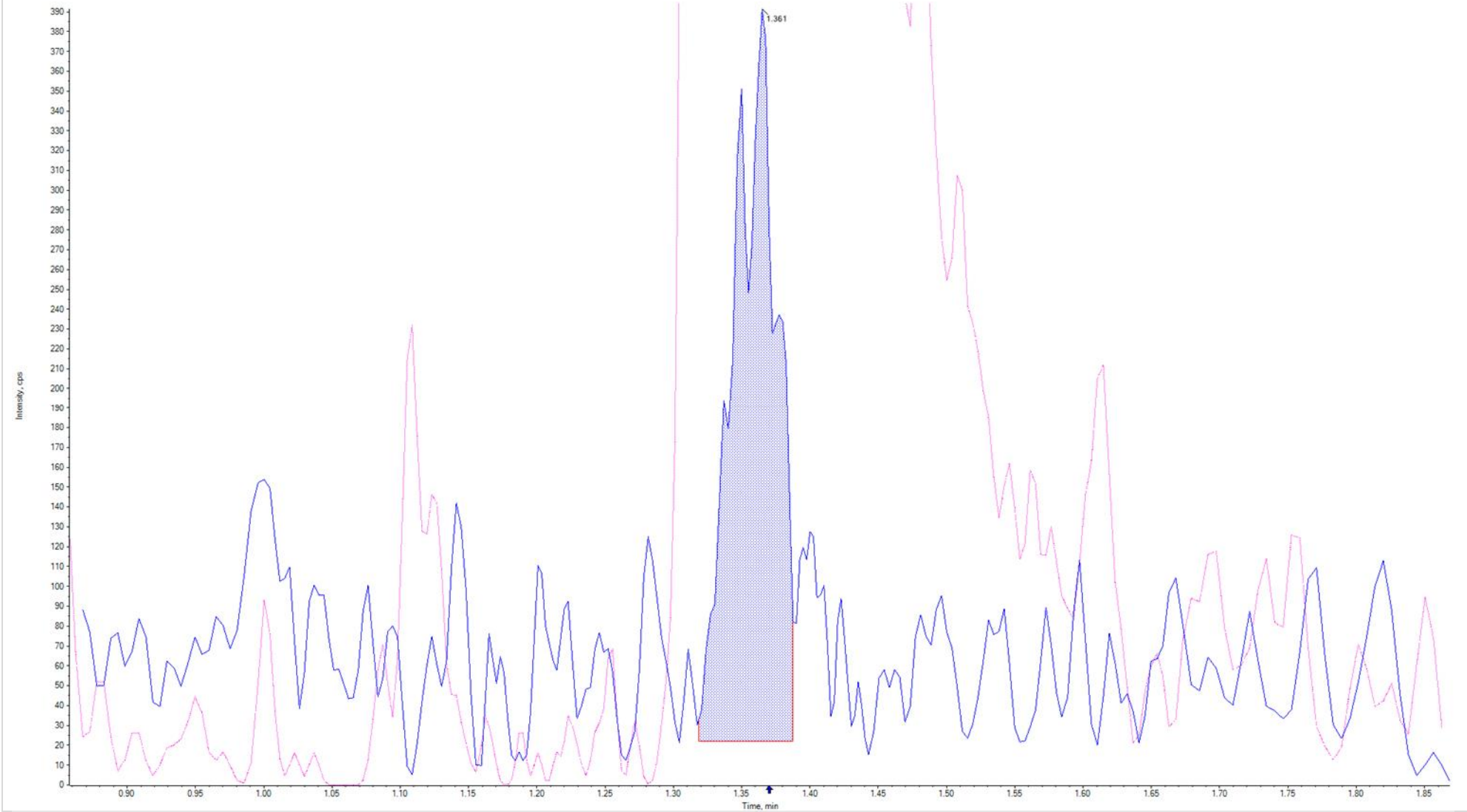
PFPeA
Sample: L2474358-01 S/N:494.5 Points Across peak:46



PFPeA_2
Sample: L2474358-01 S/N:22.2 Points Across peak:26



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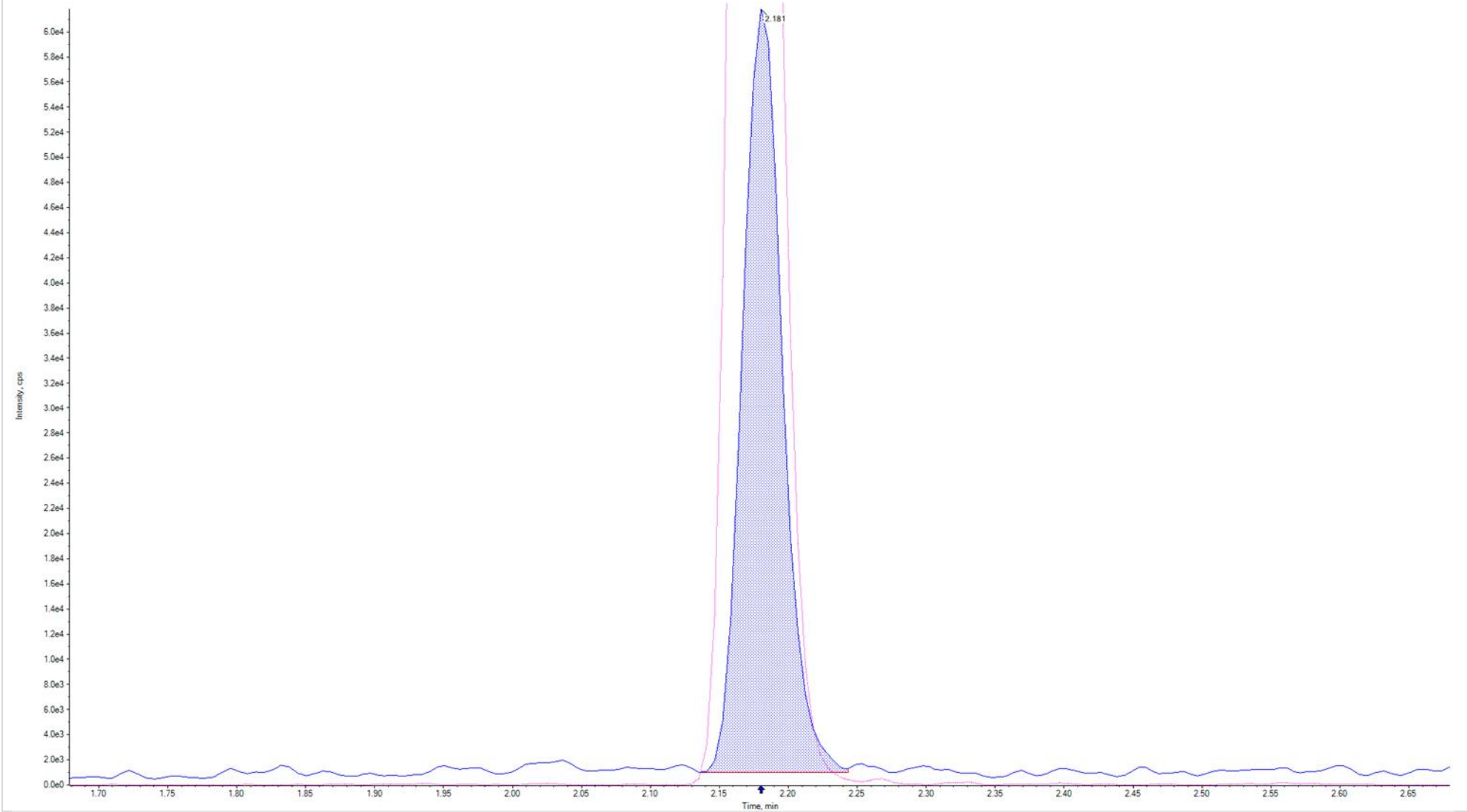
PFHxA
Sample: L2474358-01 S/N:491.7 Points Across peak:21



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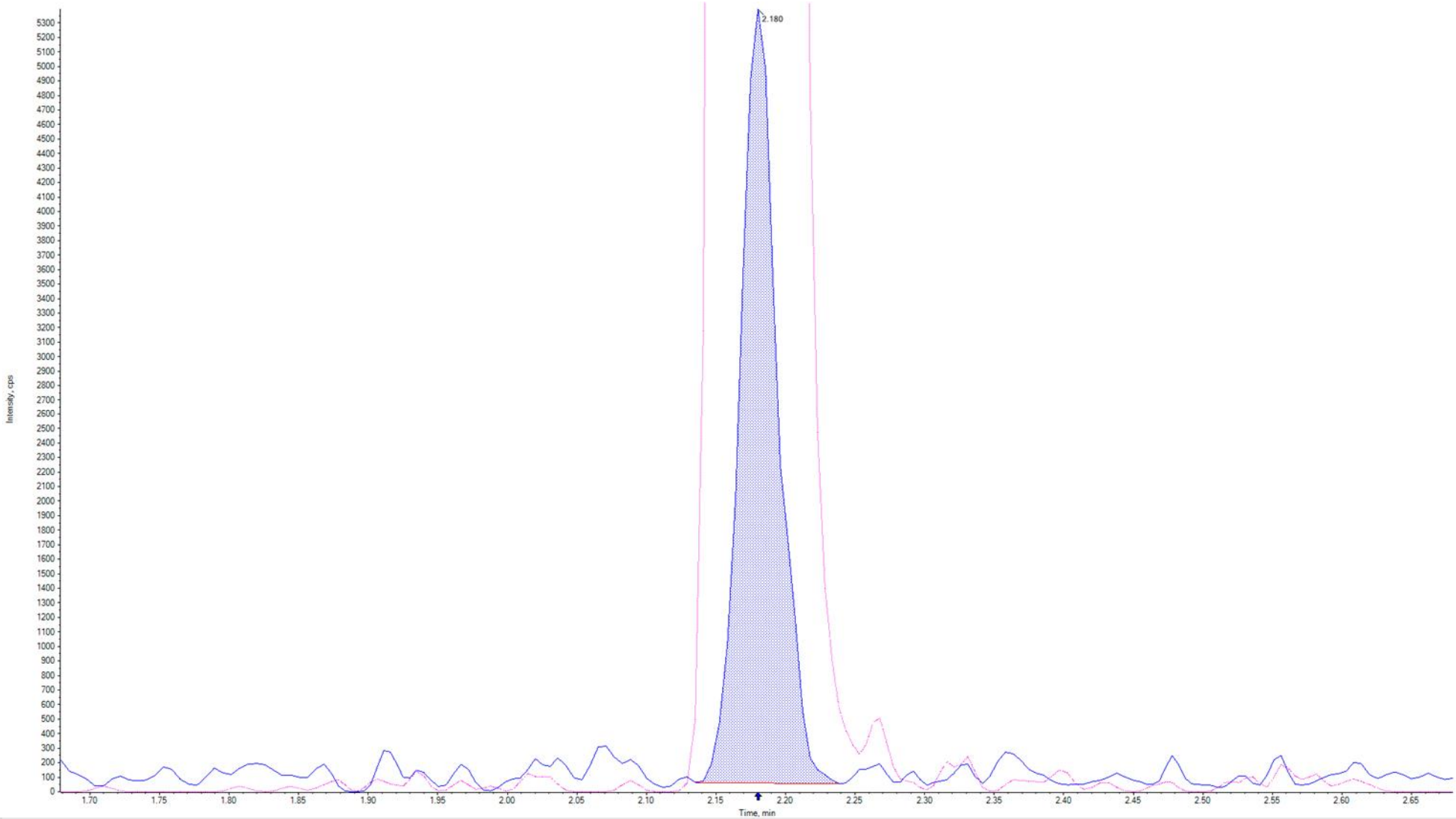
PFHxA_2
Sample: L2474358-01 S/N:133.7 Points Across peak:20



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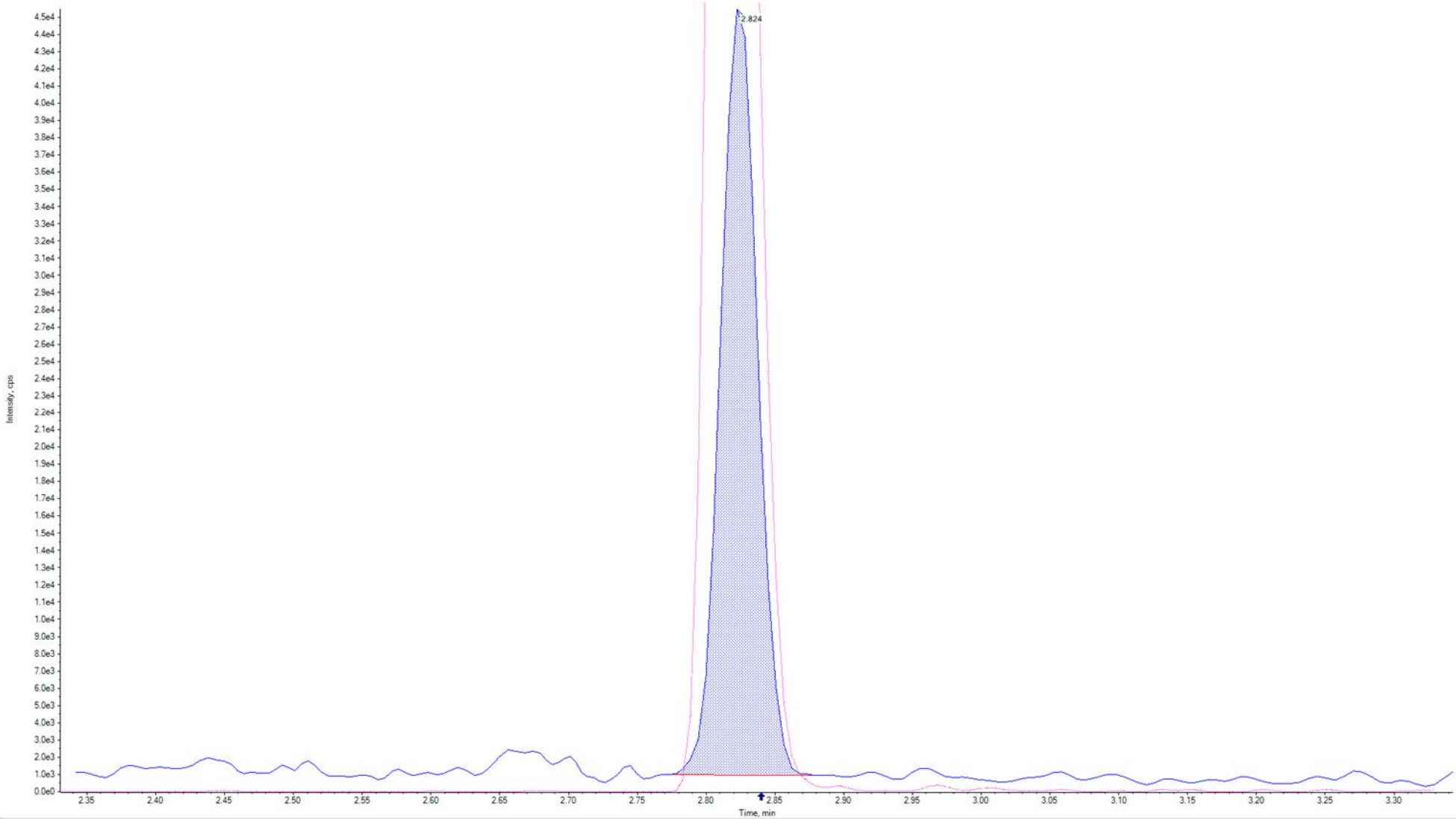
PFHpA
Sample: L2474358-01 S/N:375.6 Points Across peak:21



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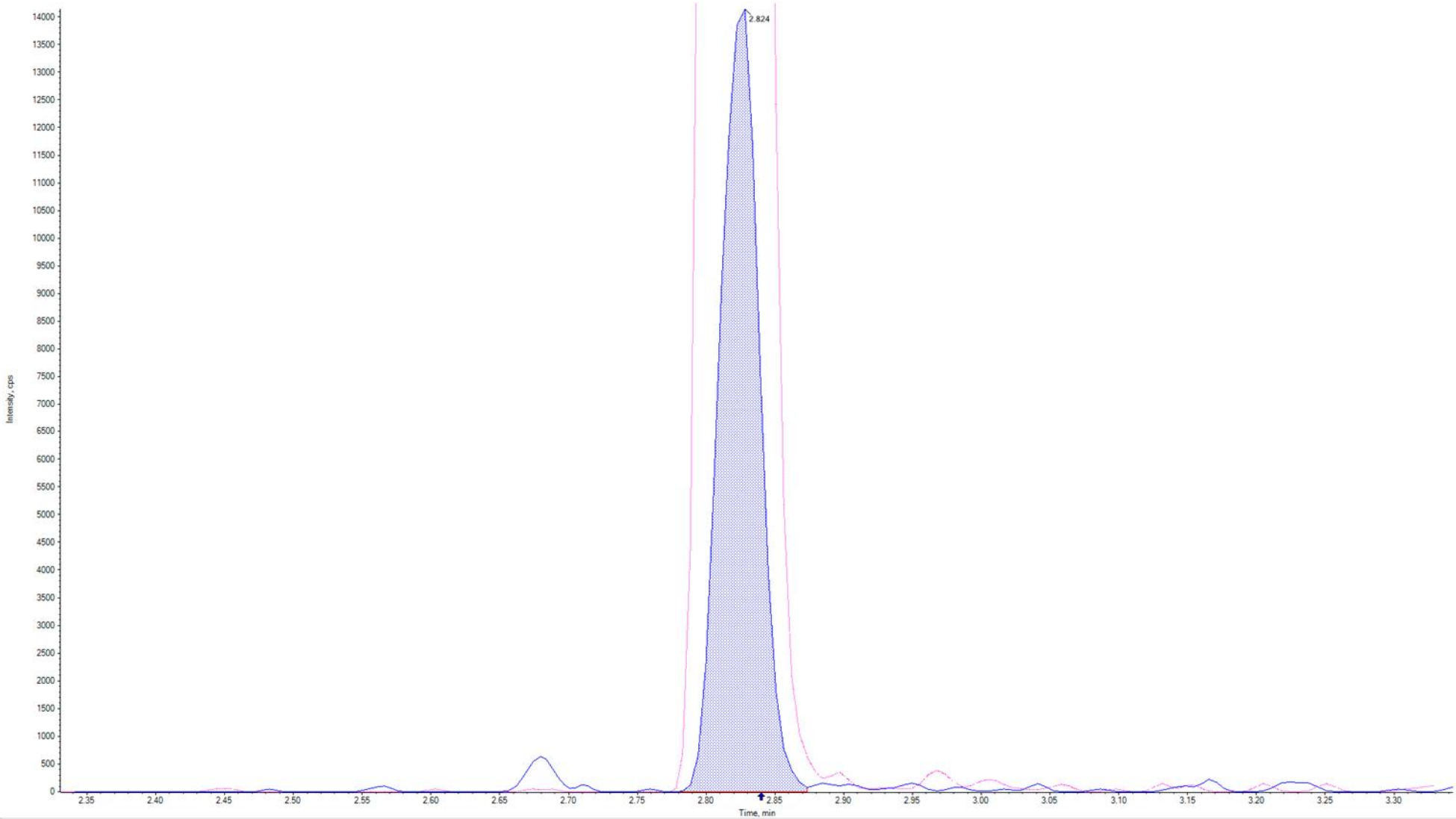
PFHpA_2
Sample: L2474358-01 S/N:283.5 Points Across peak:19



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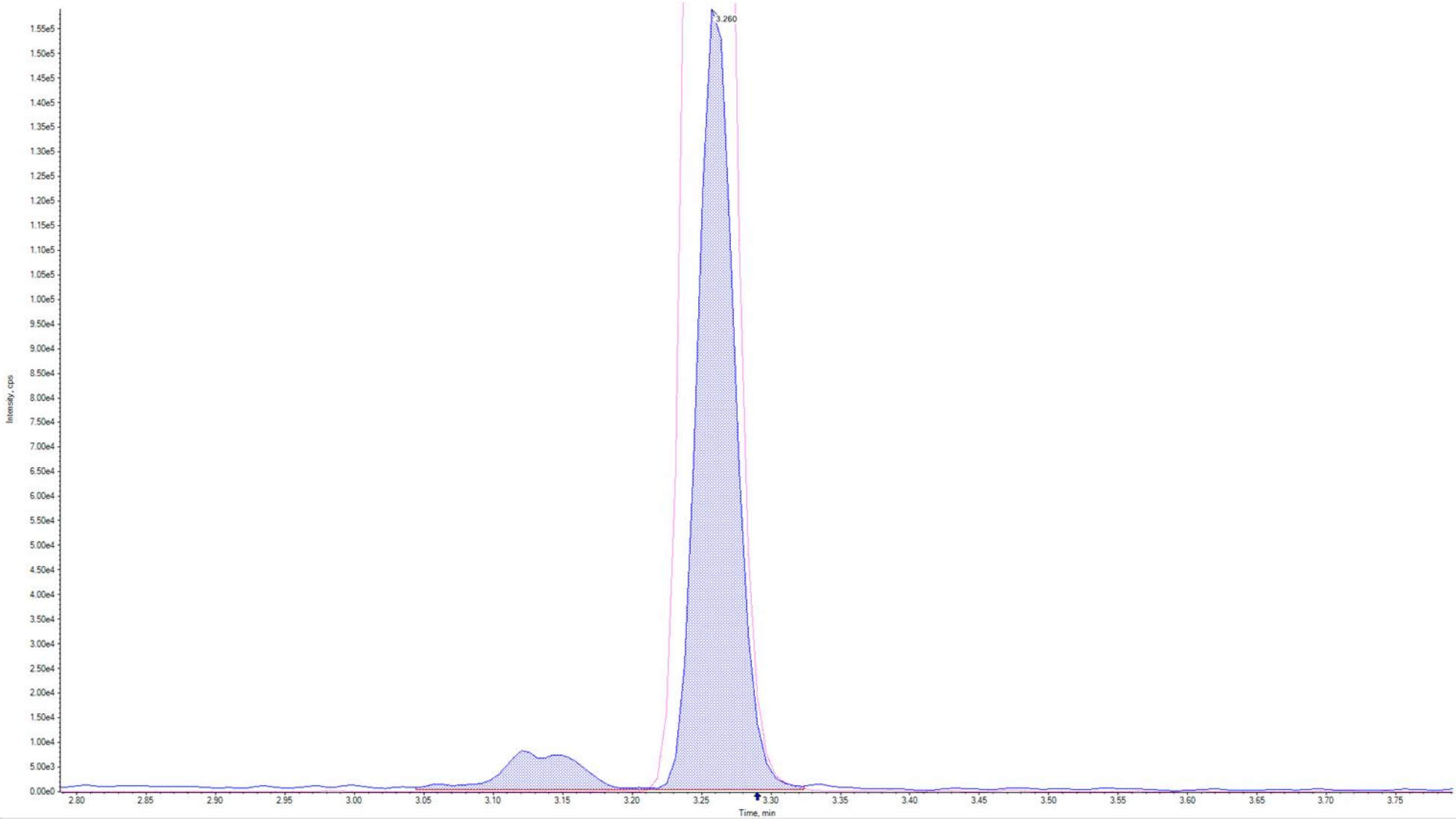
PFOA
Sample: L2474358-01 S/N:590.5 Points Across peak:49



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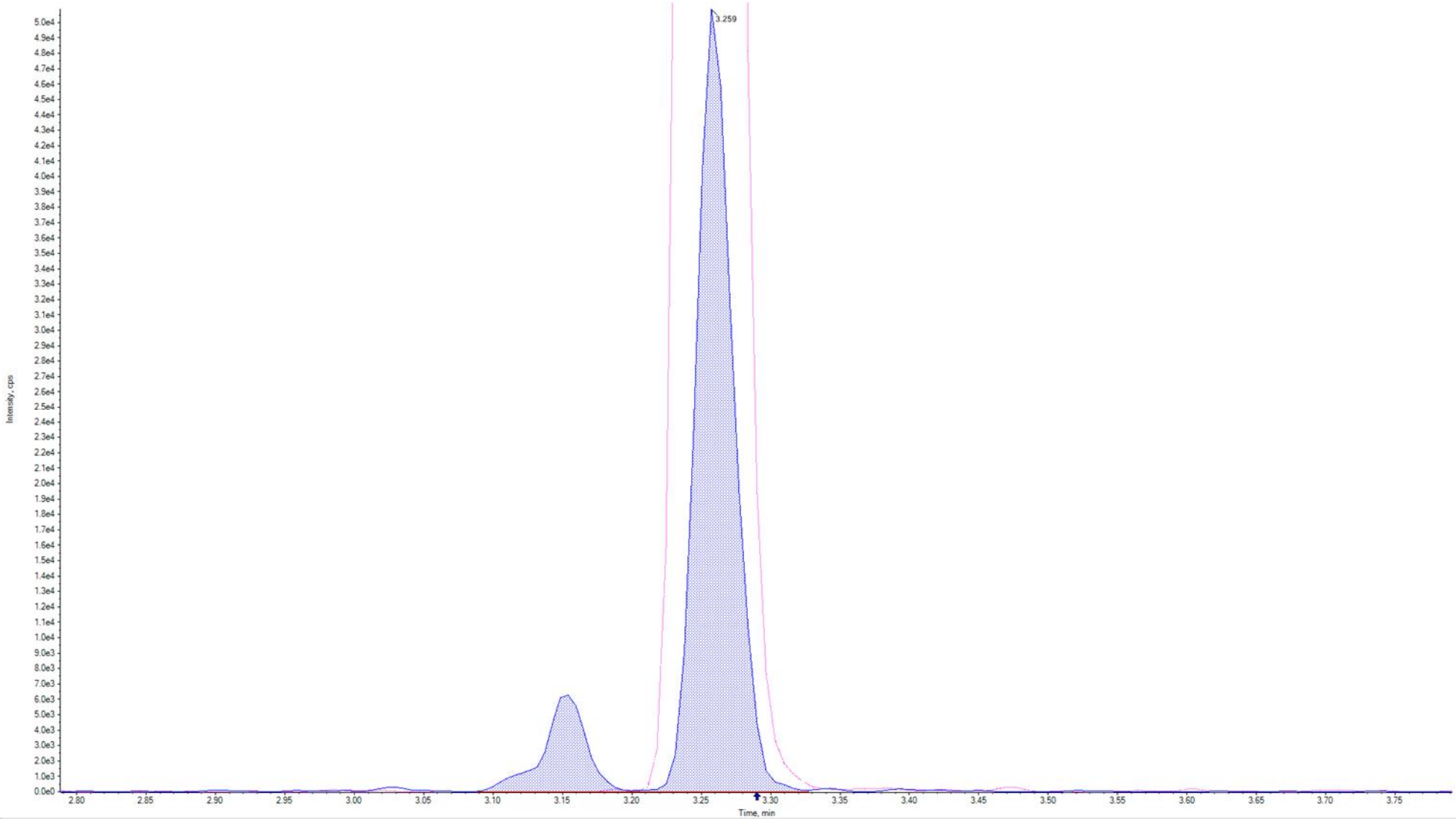
PFOA_2
Sample: L2474358-01 S/N:759.7 Points Across peak:43



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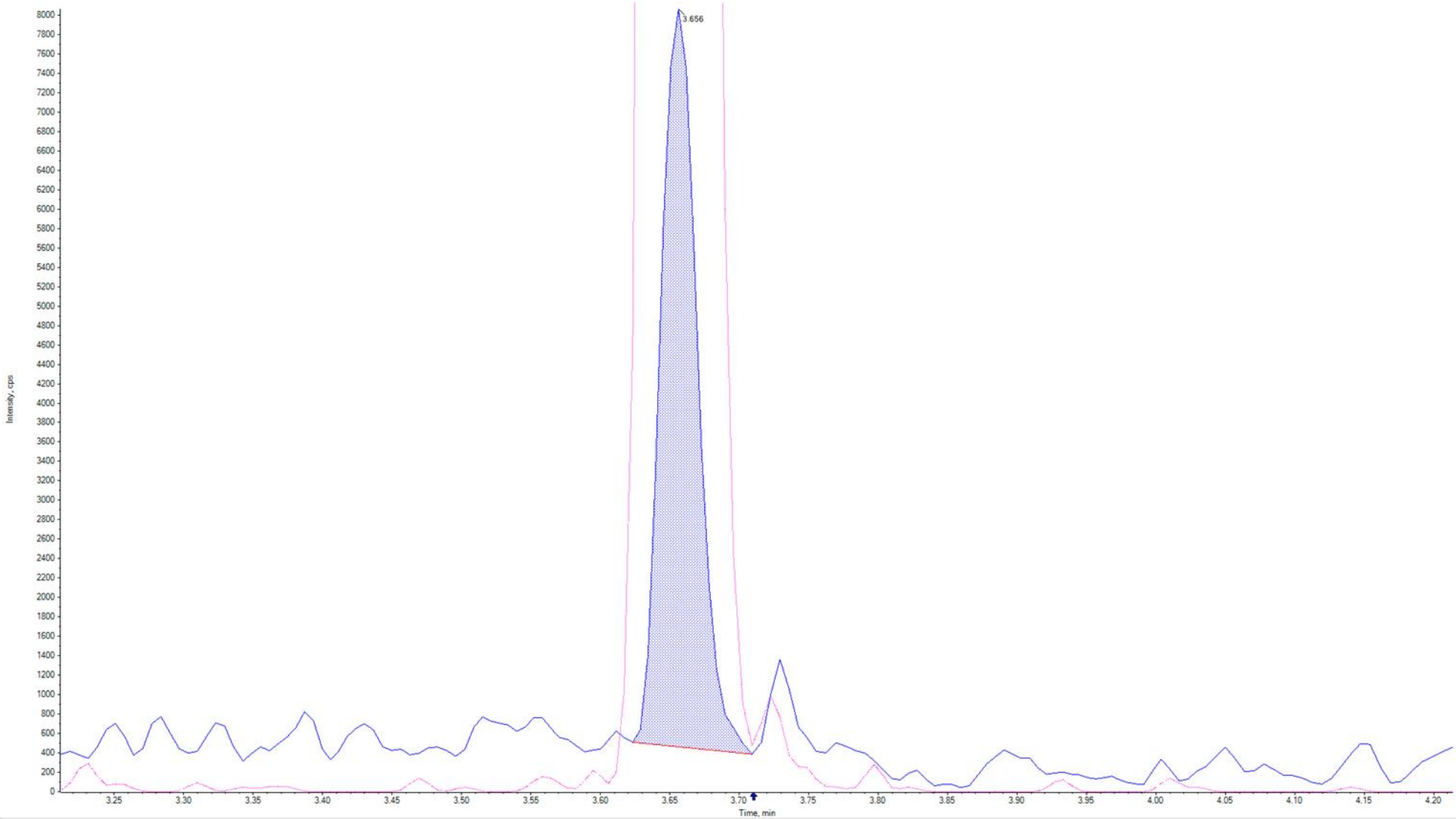
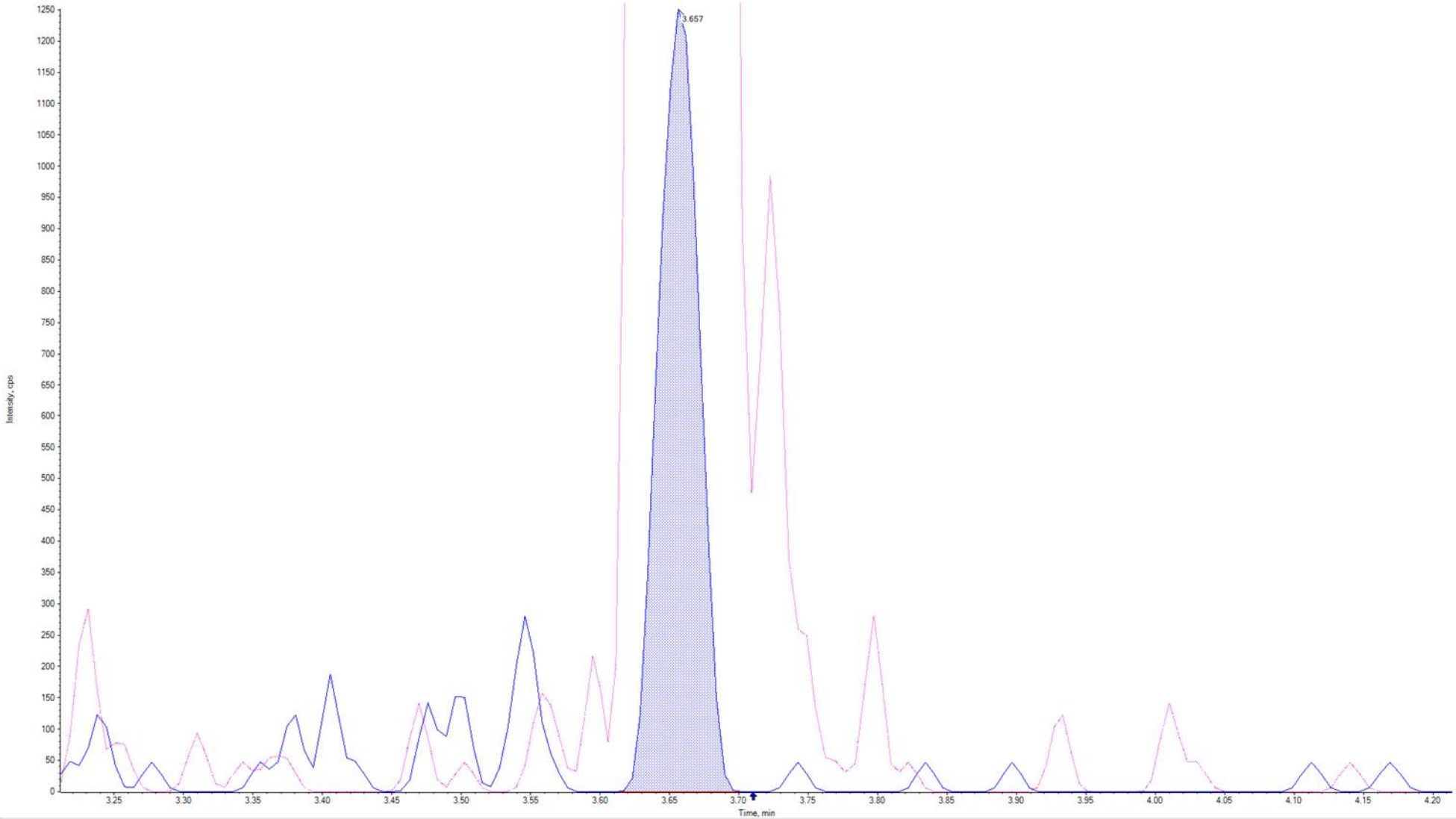
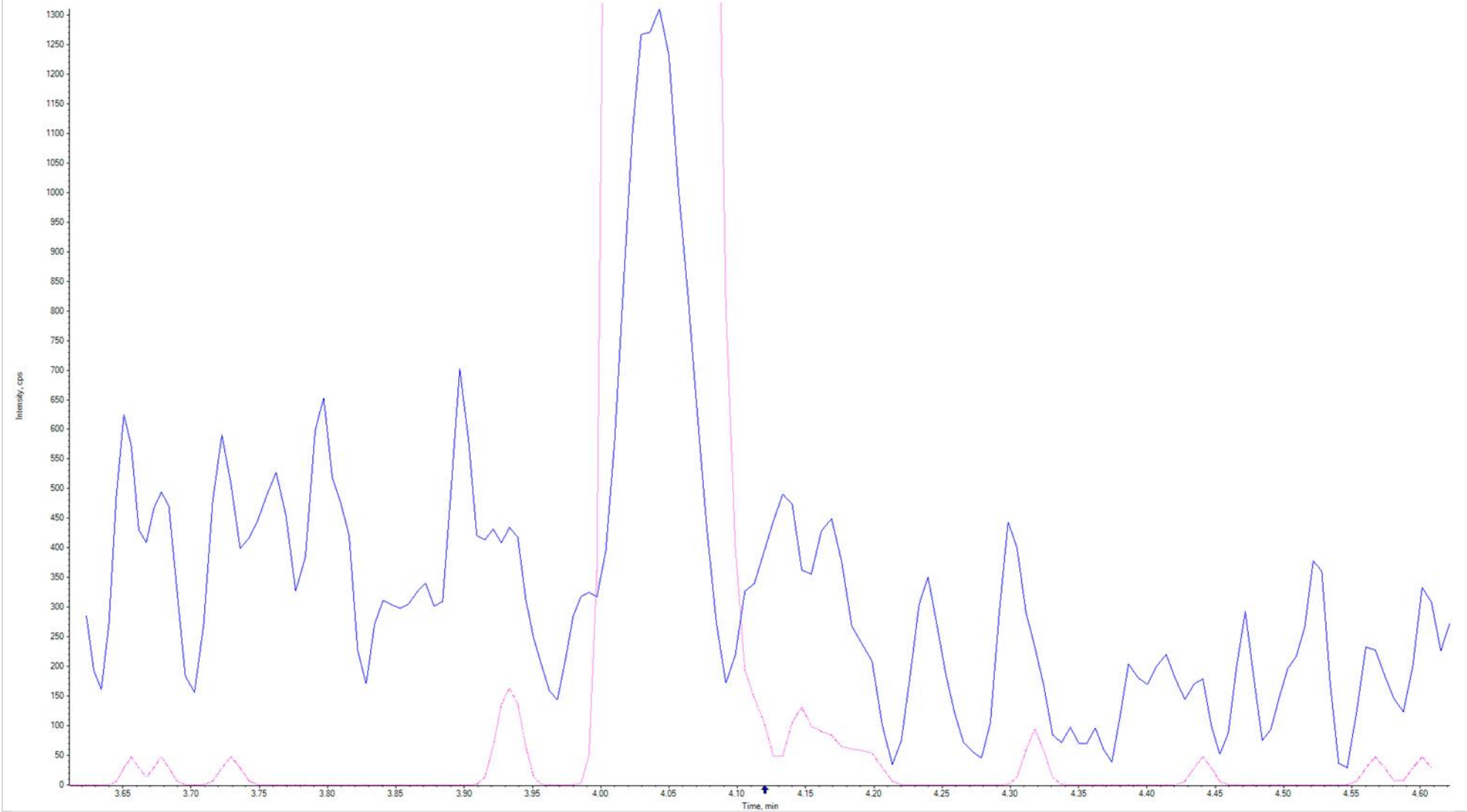
PFNA
Sample: L2474358-01 S/N:72.1 Points Across peak:16



PFNA_2
Sample: L2474358-01 S/N:28.2 Points Across peak:20



PFDA
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



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PFDA_2
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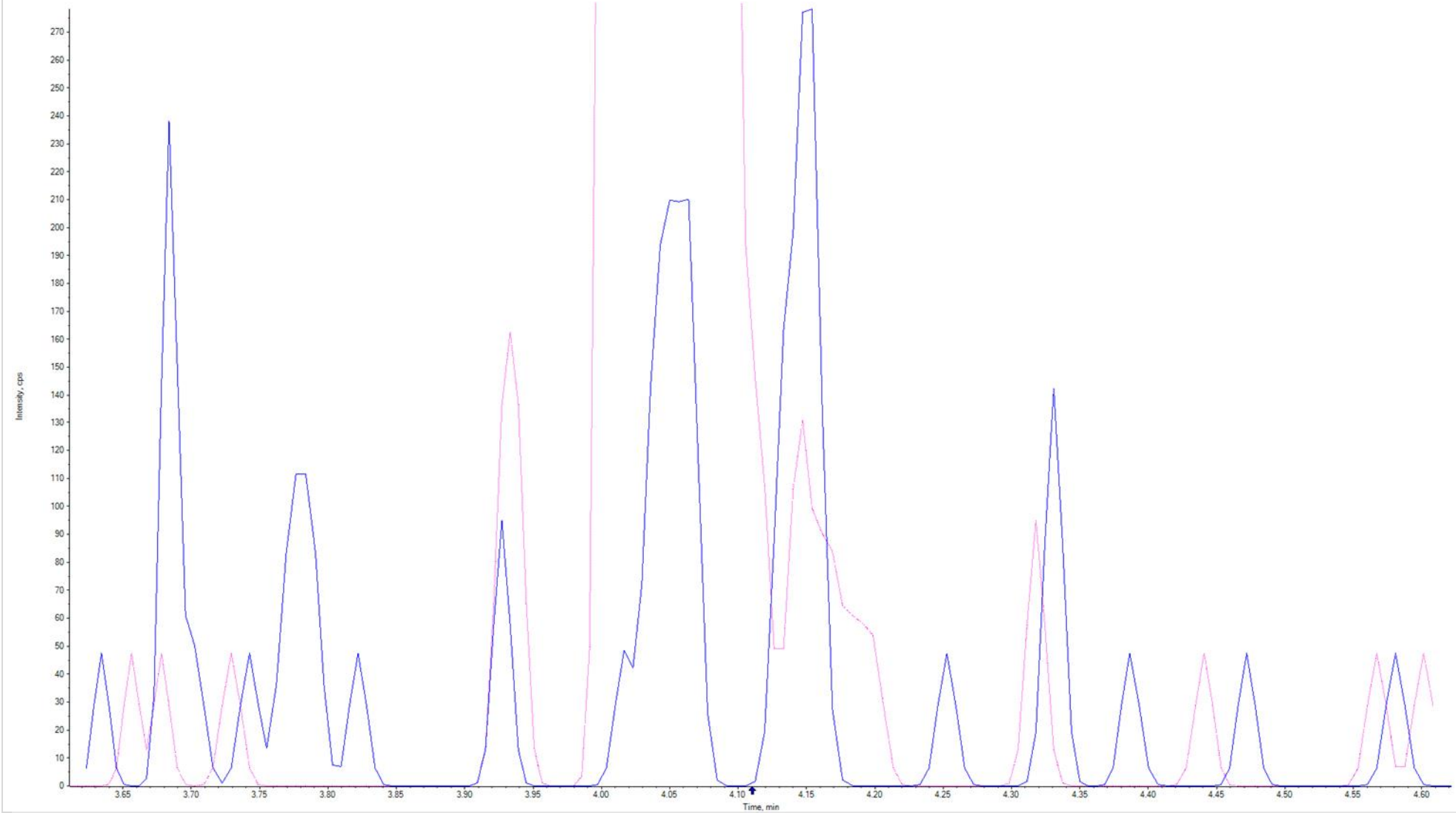

PFUnA
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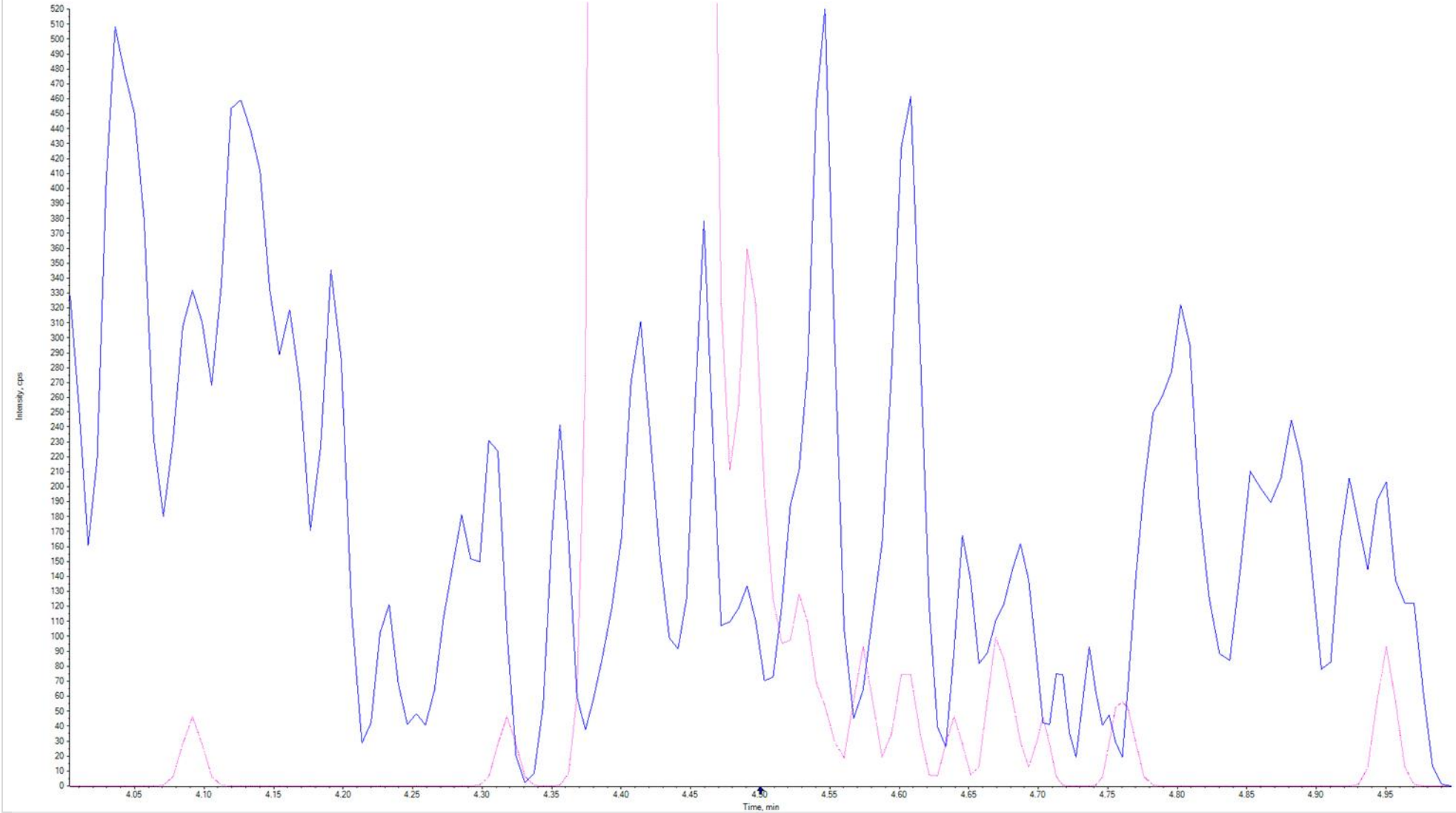

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFUnA_2
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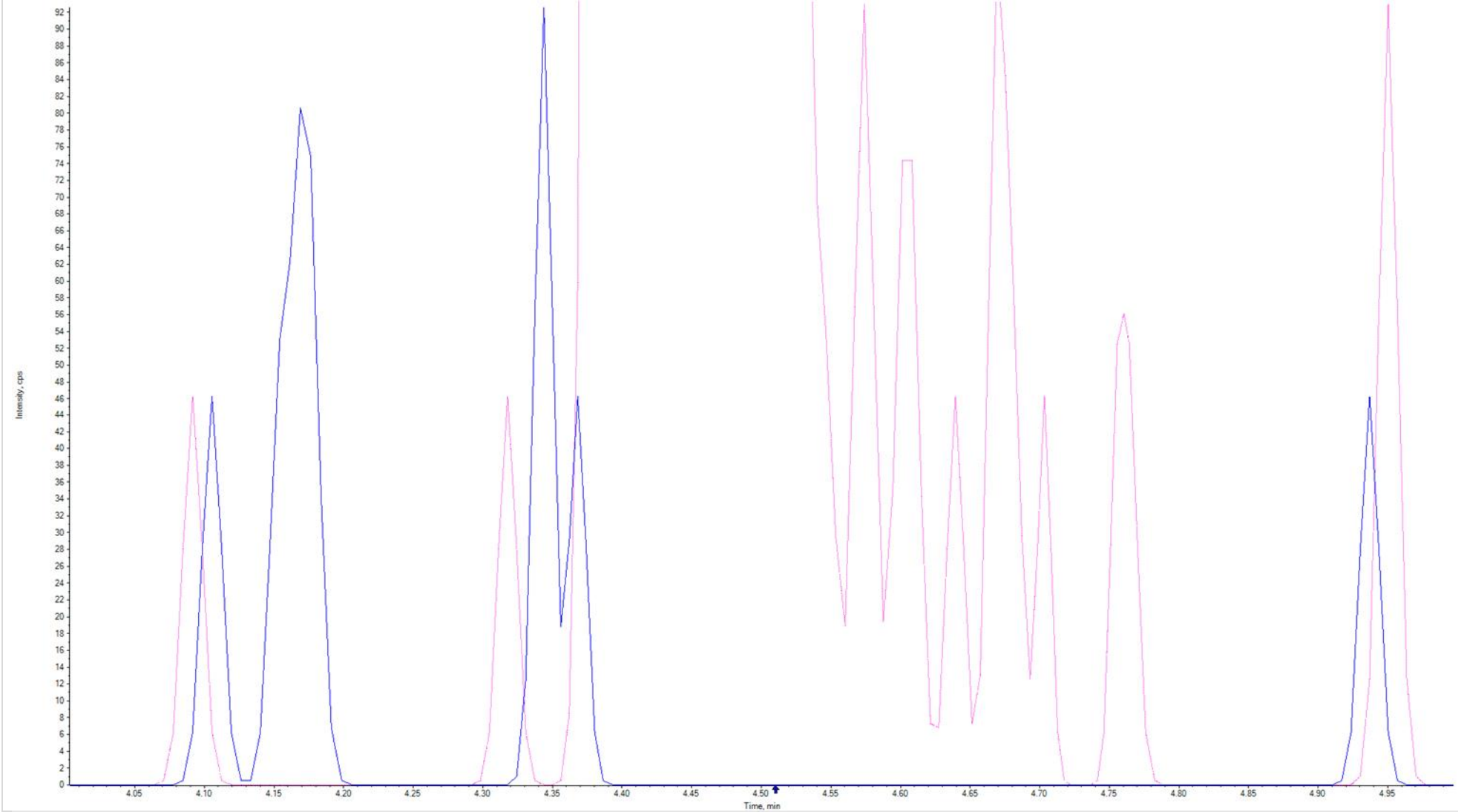

PFDoA
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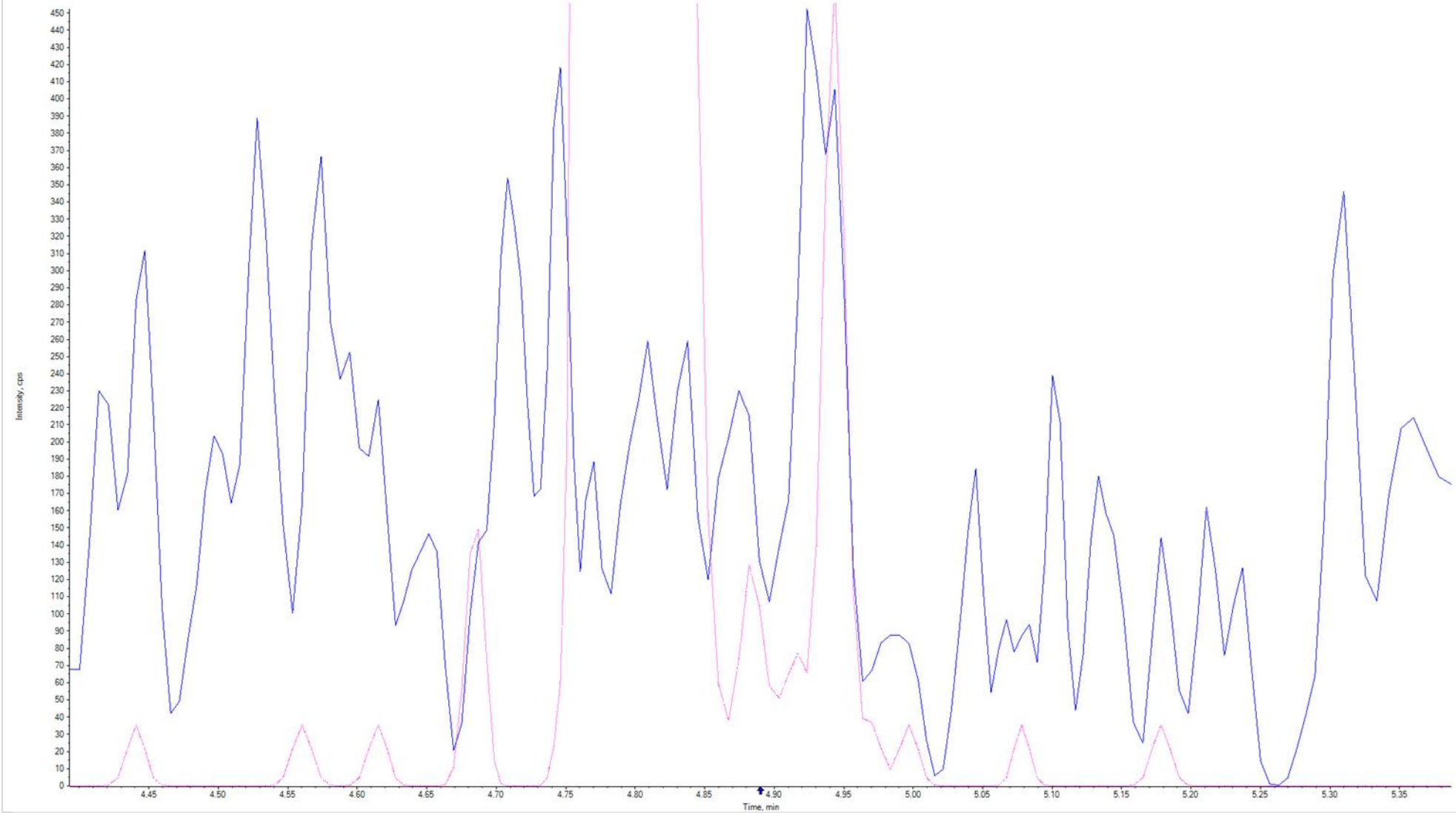
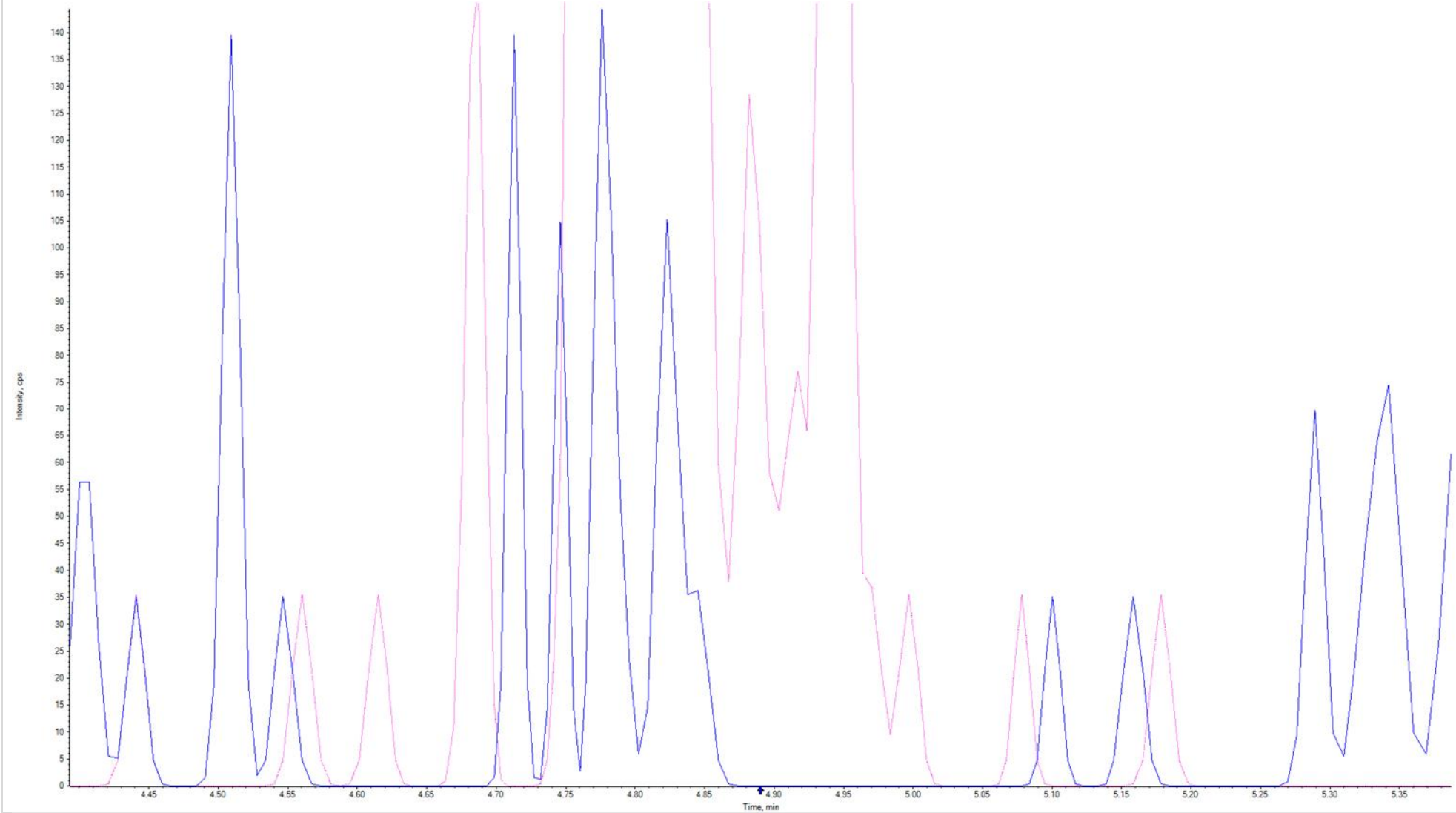
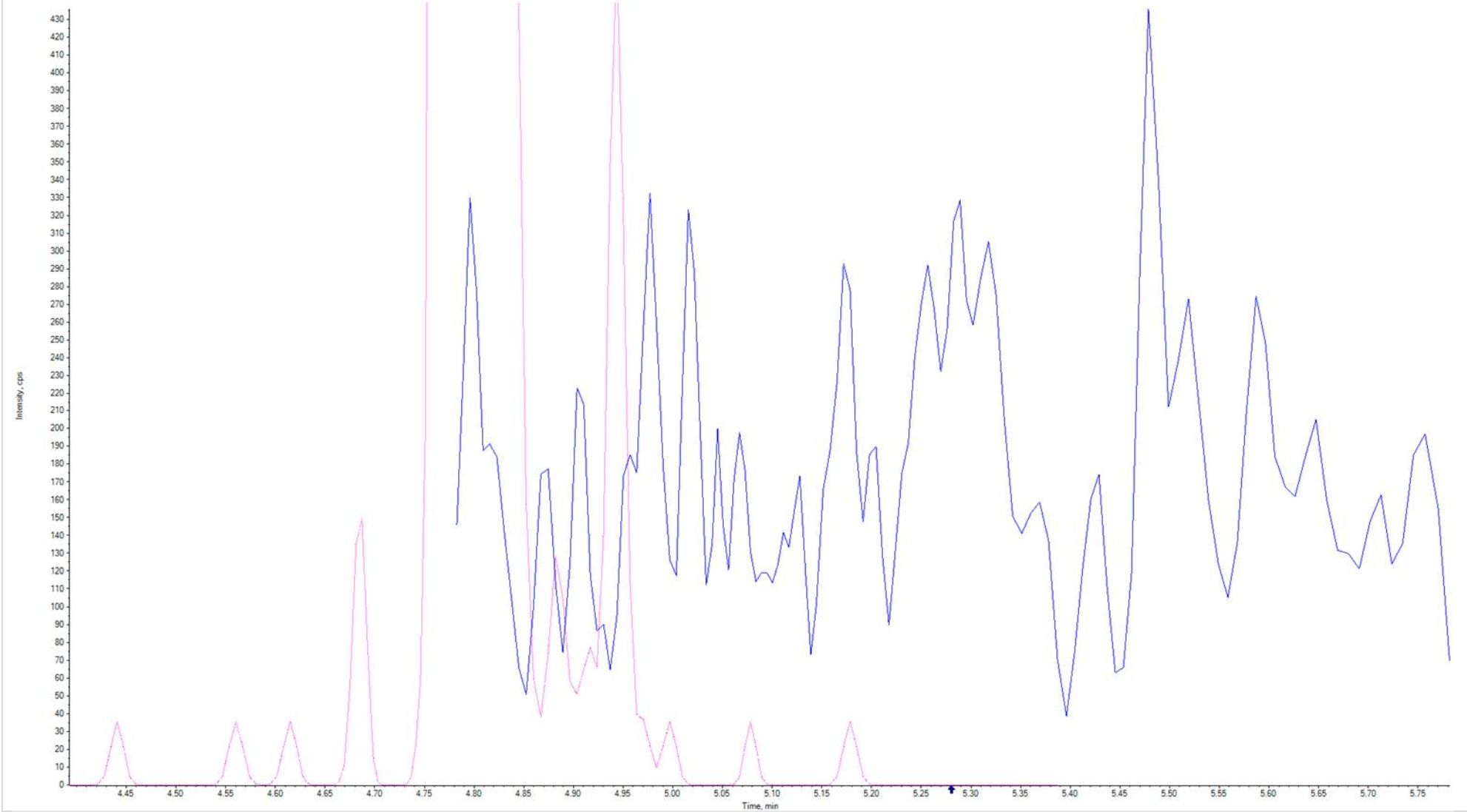


PFDoA_2
Sample: L2474358-01 S/N:N/A Points Across peak:N/A

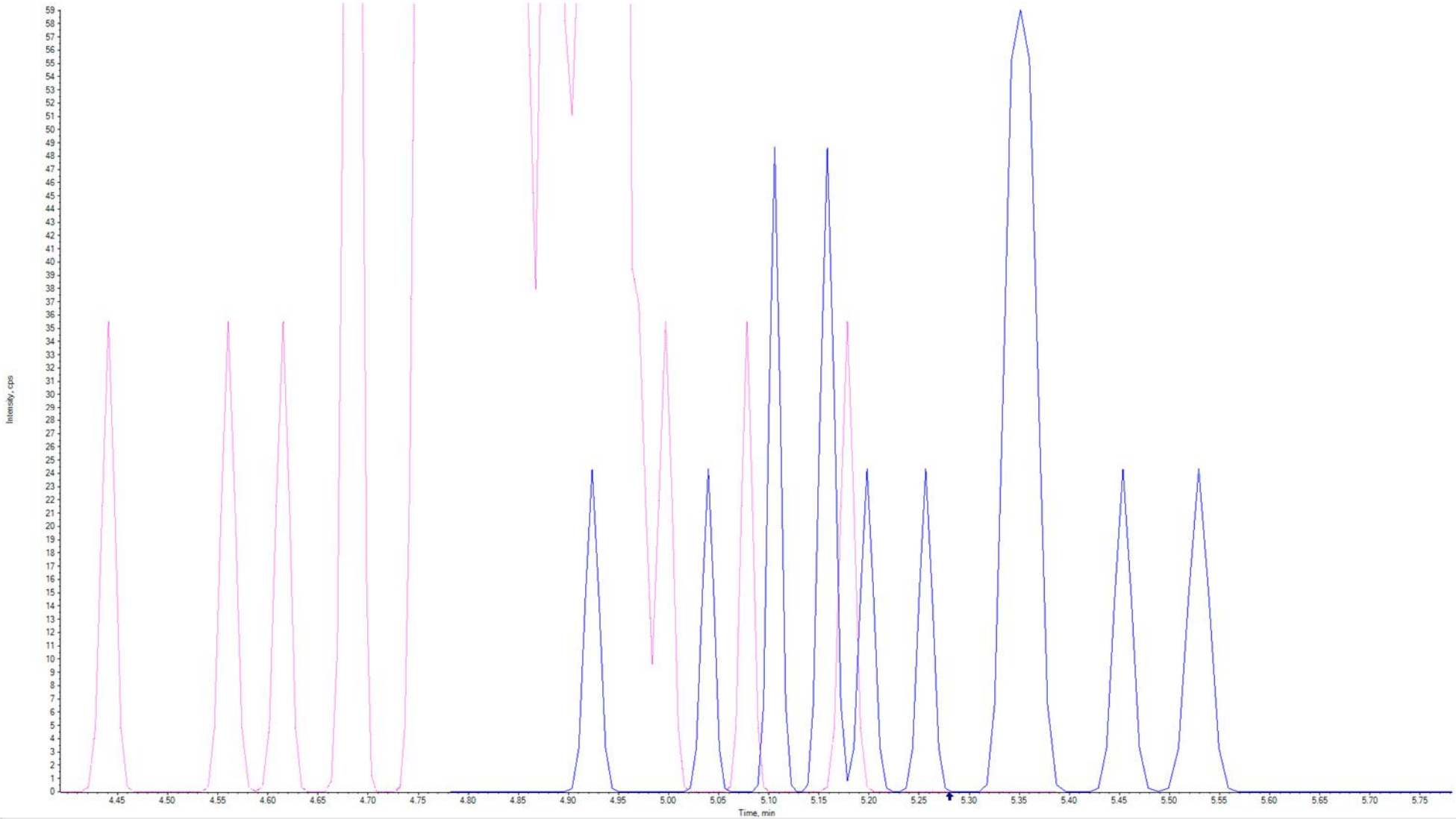


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_94.wiff2_3
Last Altered: 12/20/2024 4:19:28 AM
Generated: 12/19/2024 2:27:31 PM

PFTrDA
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



PFTrDA_2
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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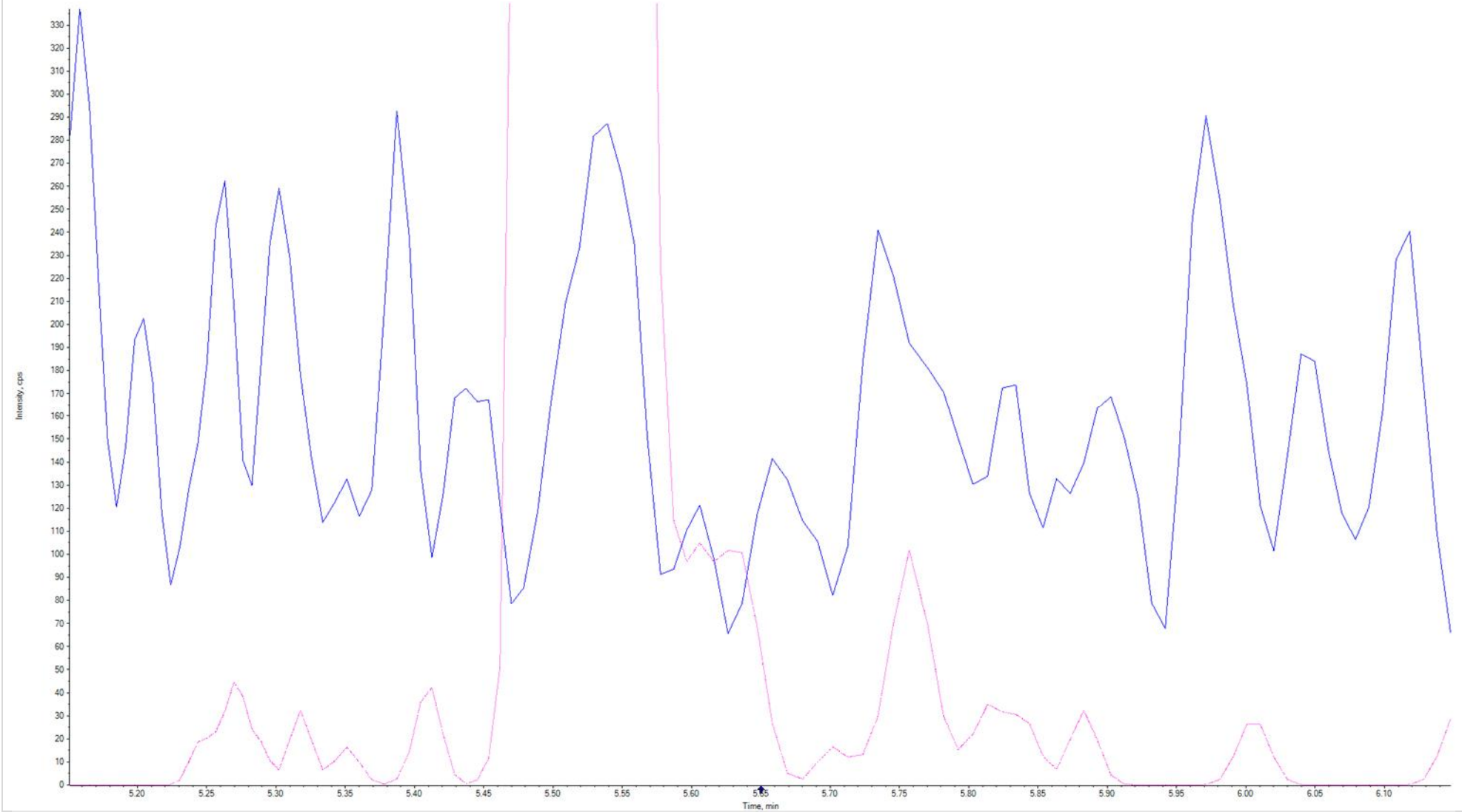
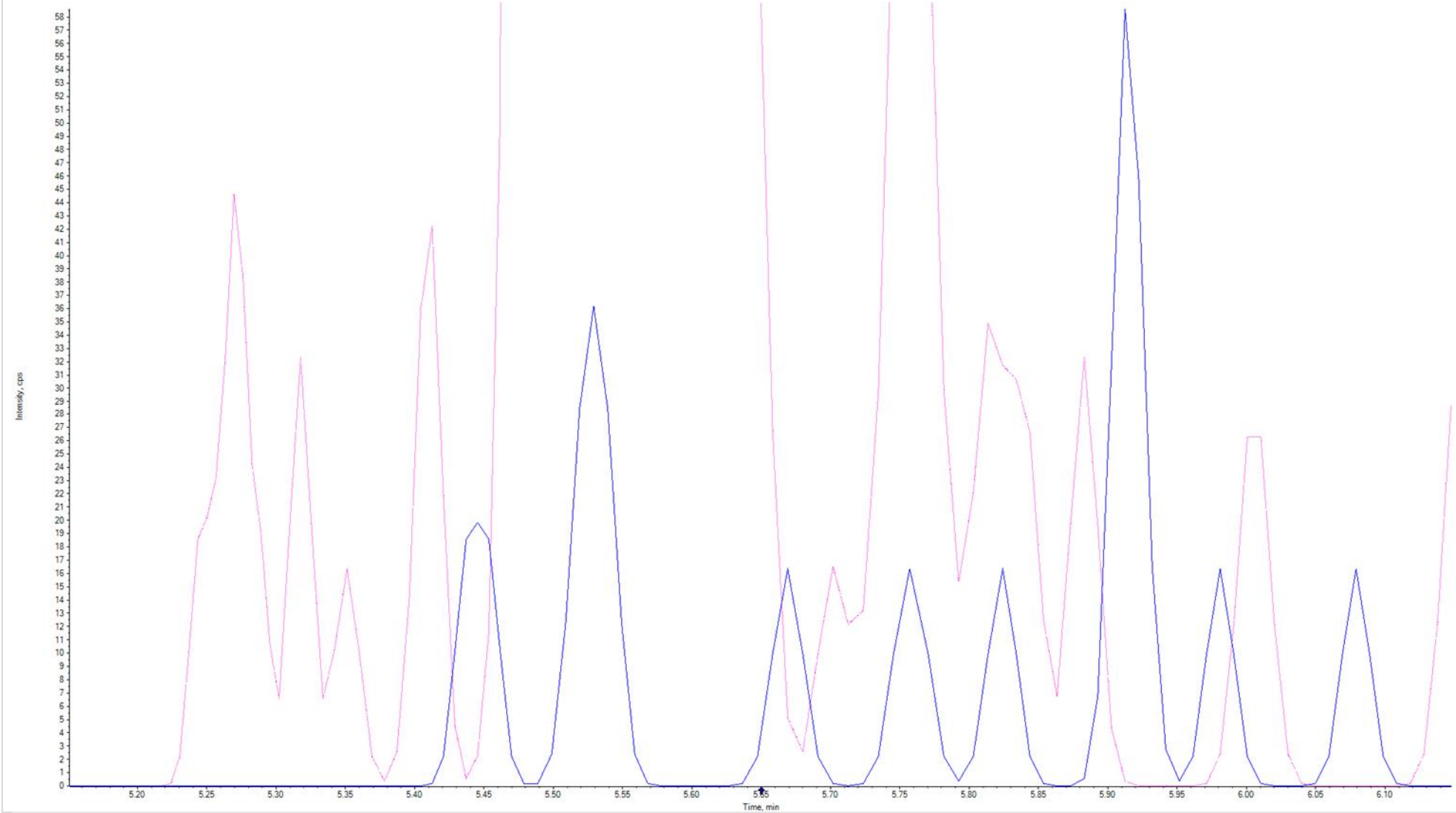
PFTeDA
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



PFTeDA_2
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



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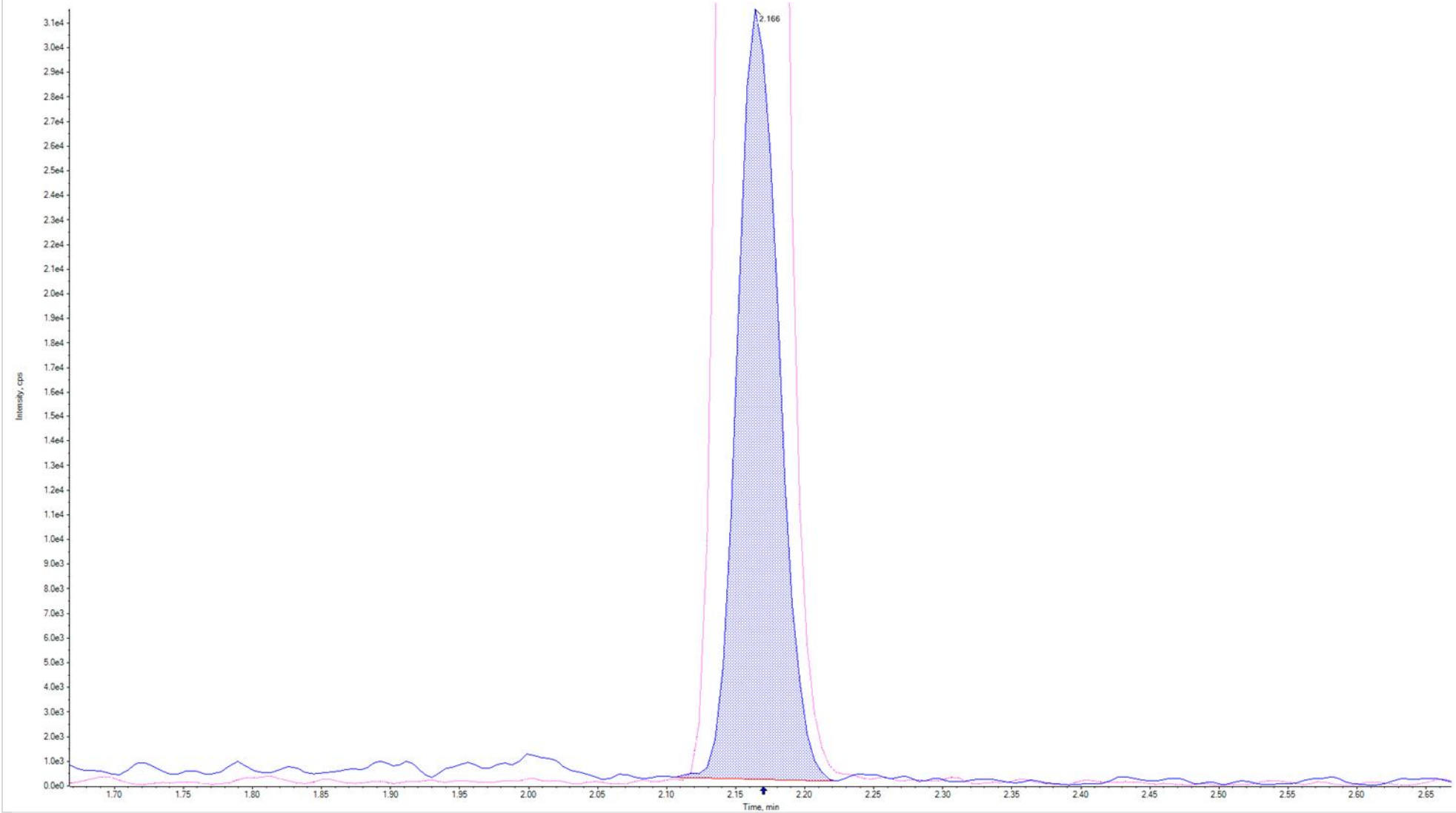
PFBS
Sample: L2474358-01 S/N:784.3 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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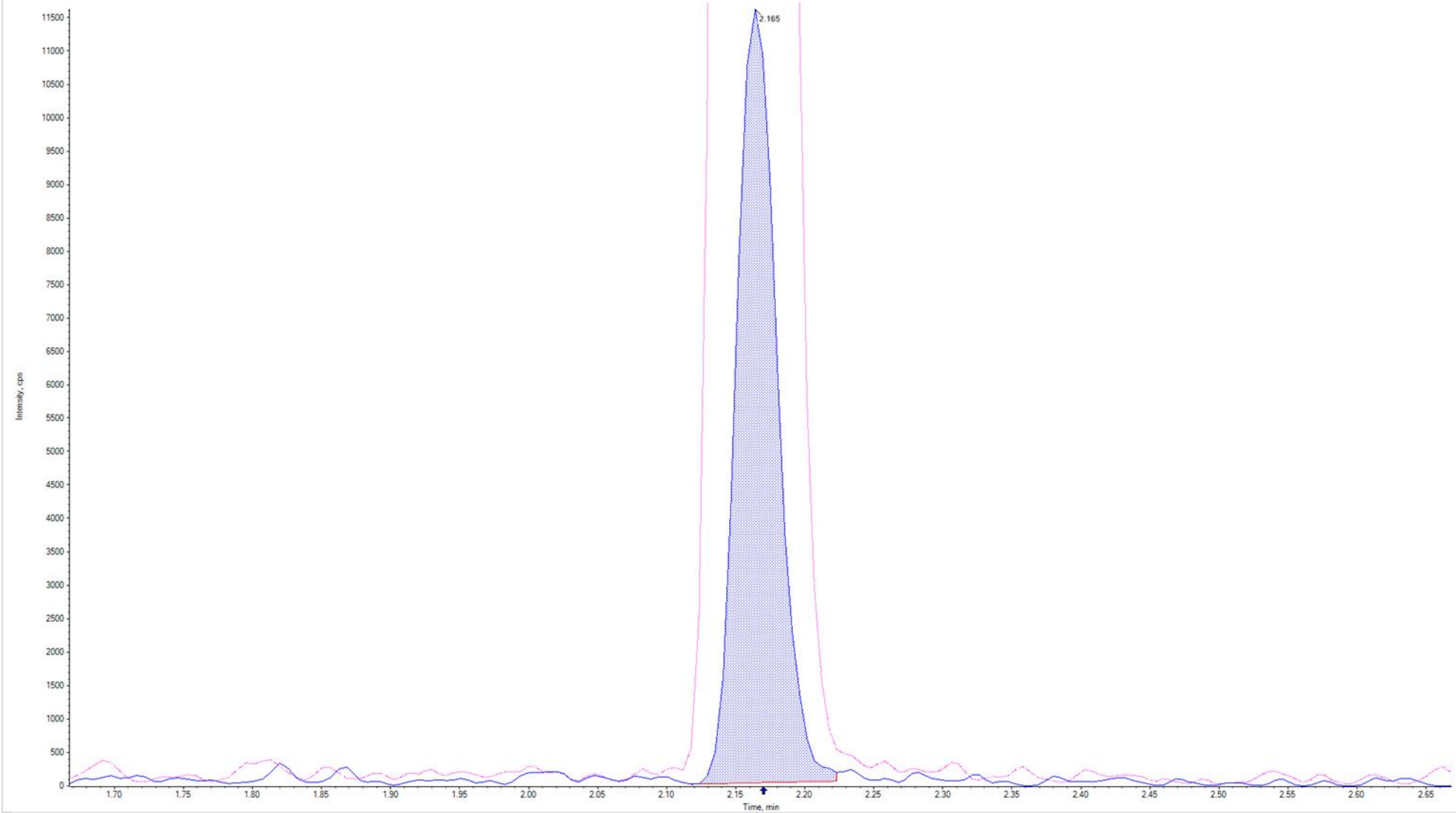
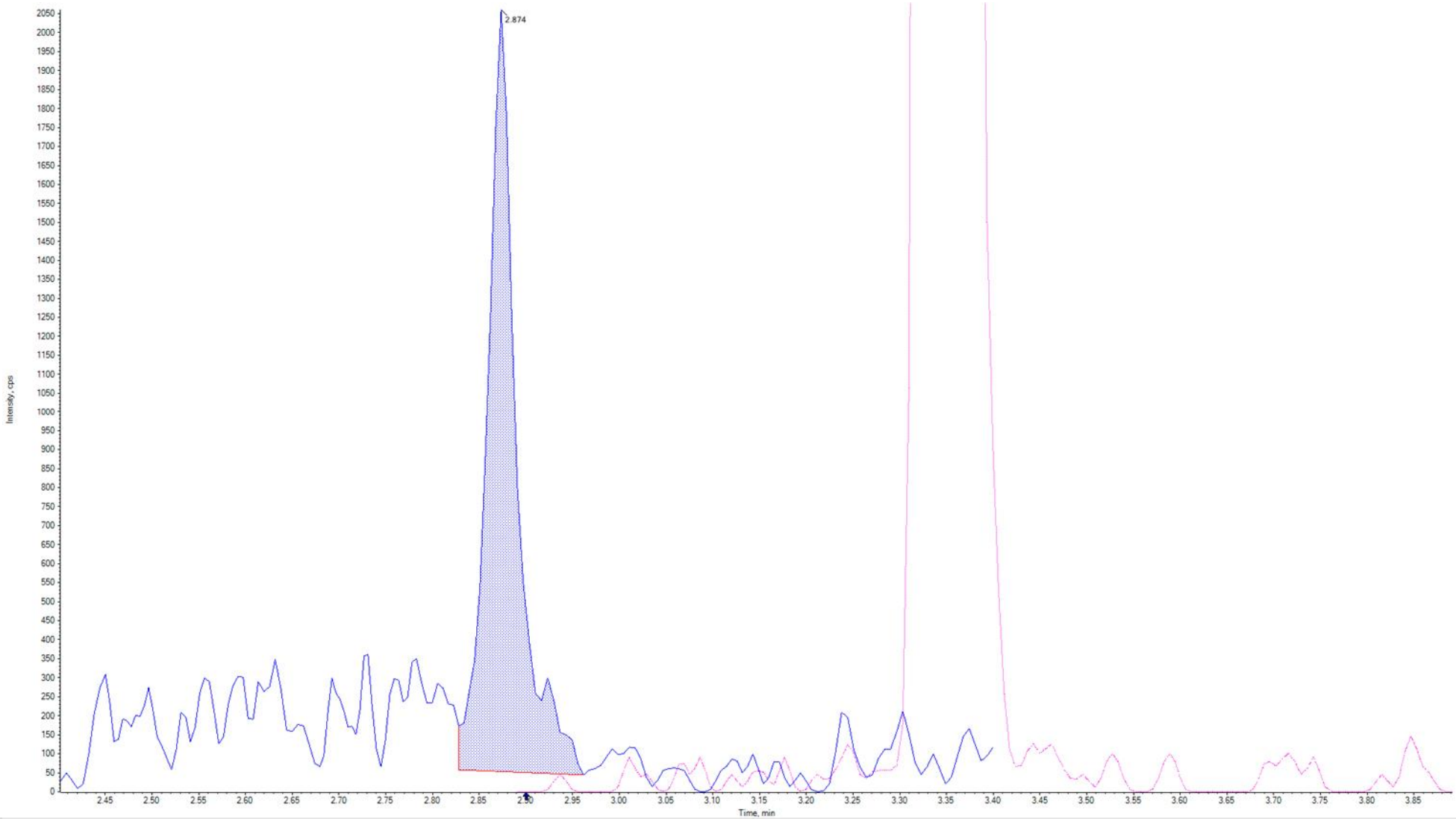
PFBS_2
Sample: L2474358-01 S/N:290.2 Points Across peak:20



PFPeS
Sample: L2474358-01 S/N:40.2 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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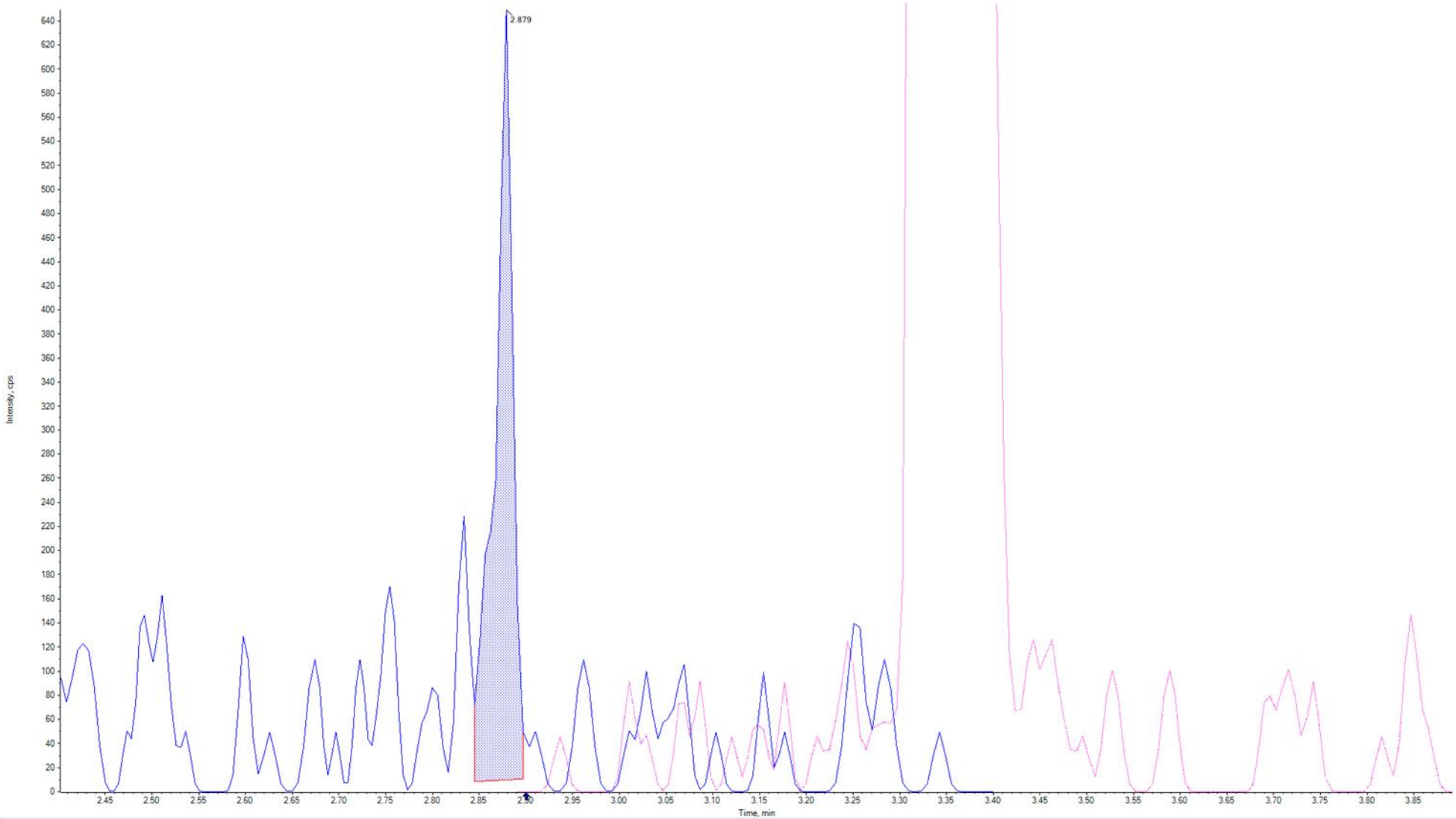
PFPeS_2
Sample: L2474358-01 S/N:12.8 Points Across peak:11



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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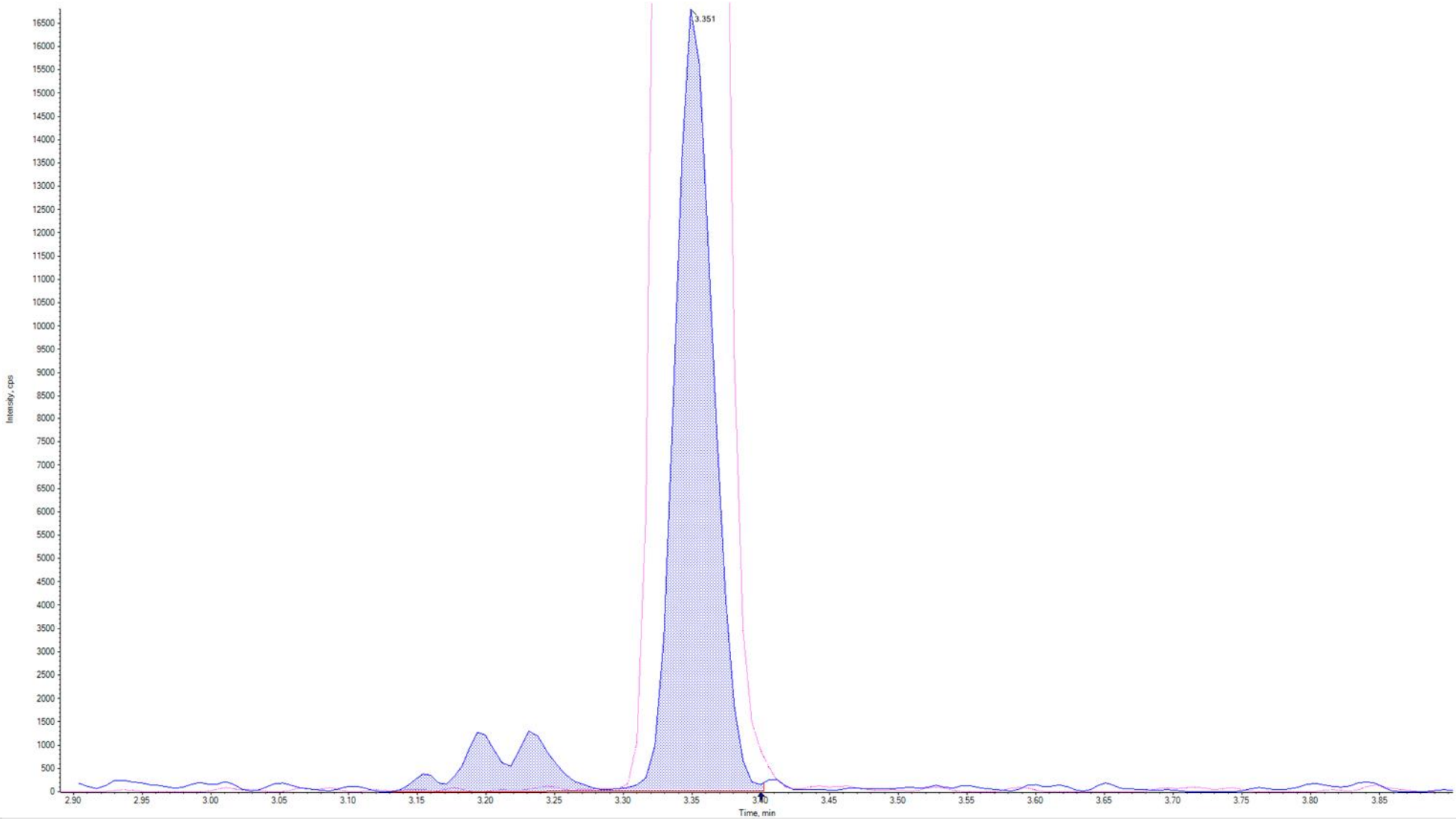
PFHxS
Sample: L2474358-01 S/N:265.4 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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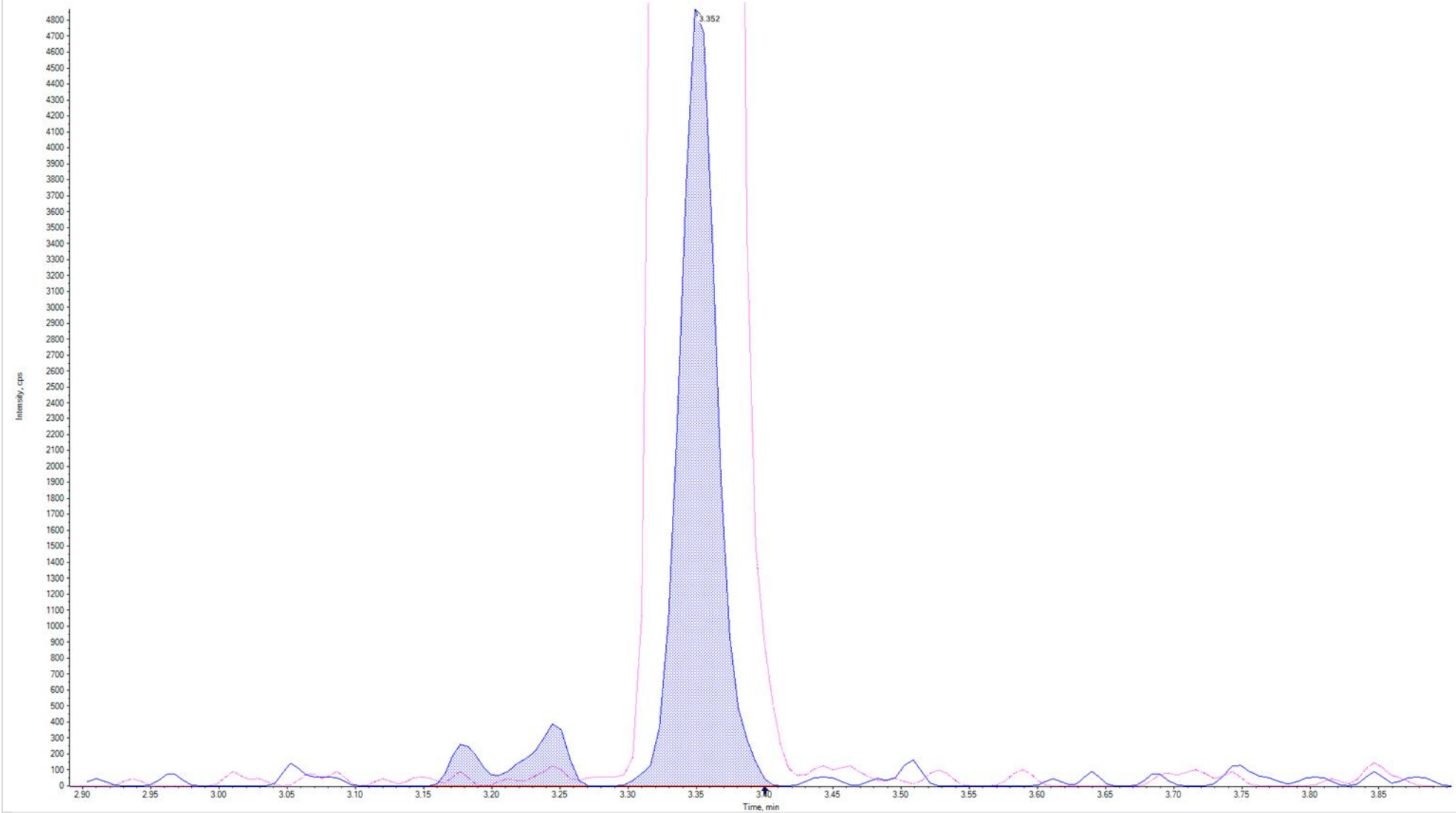
PFHxS_2
Sample: L2474358-01 S/N:109.8 Points Across peak:43



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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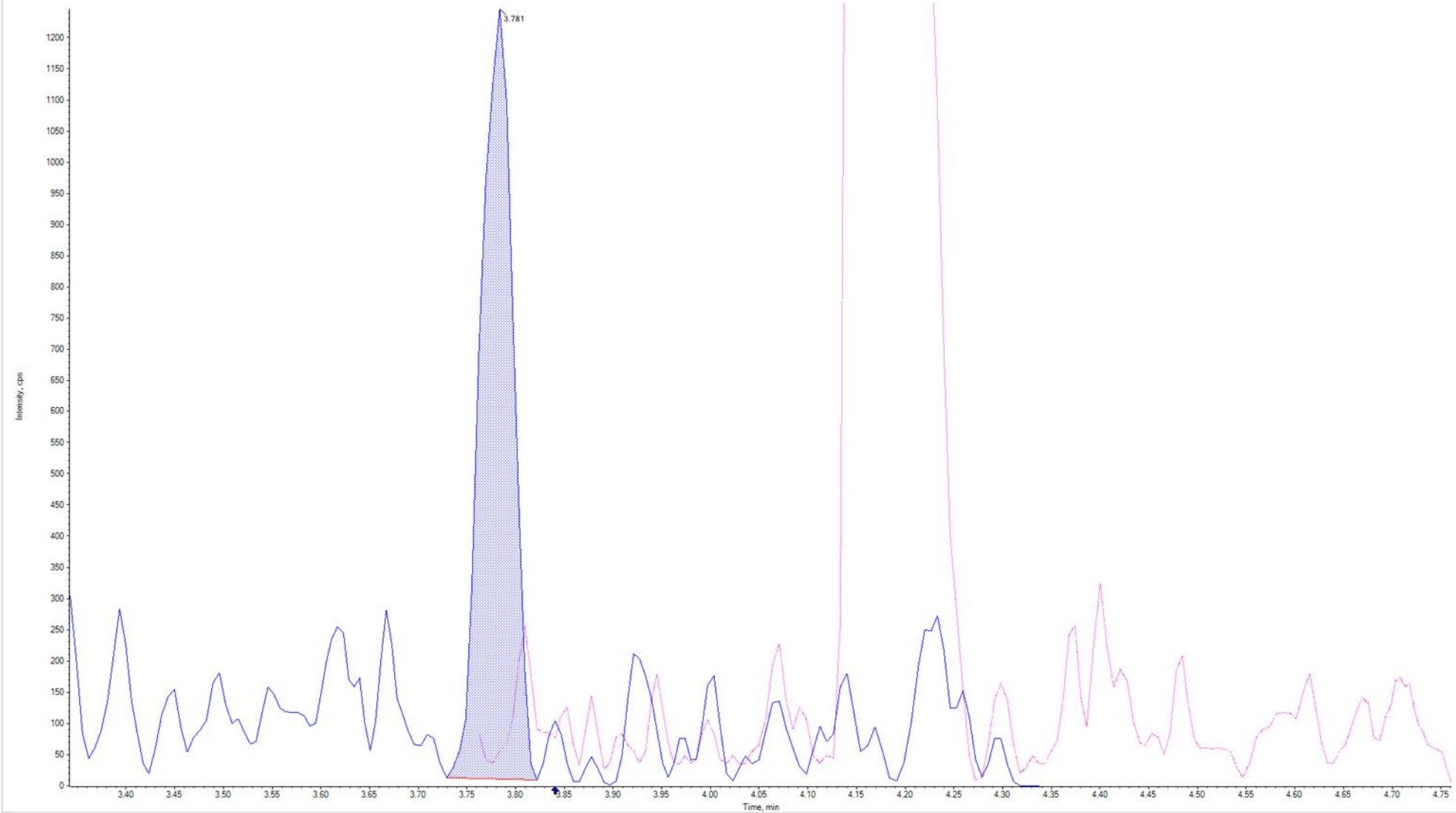
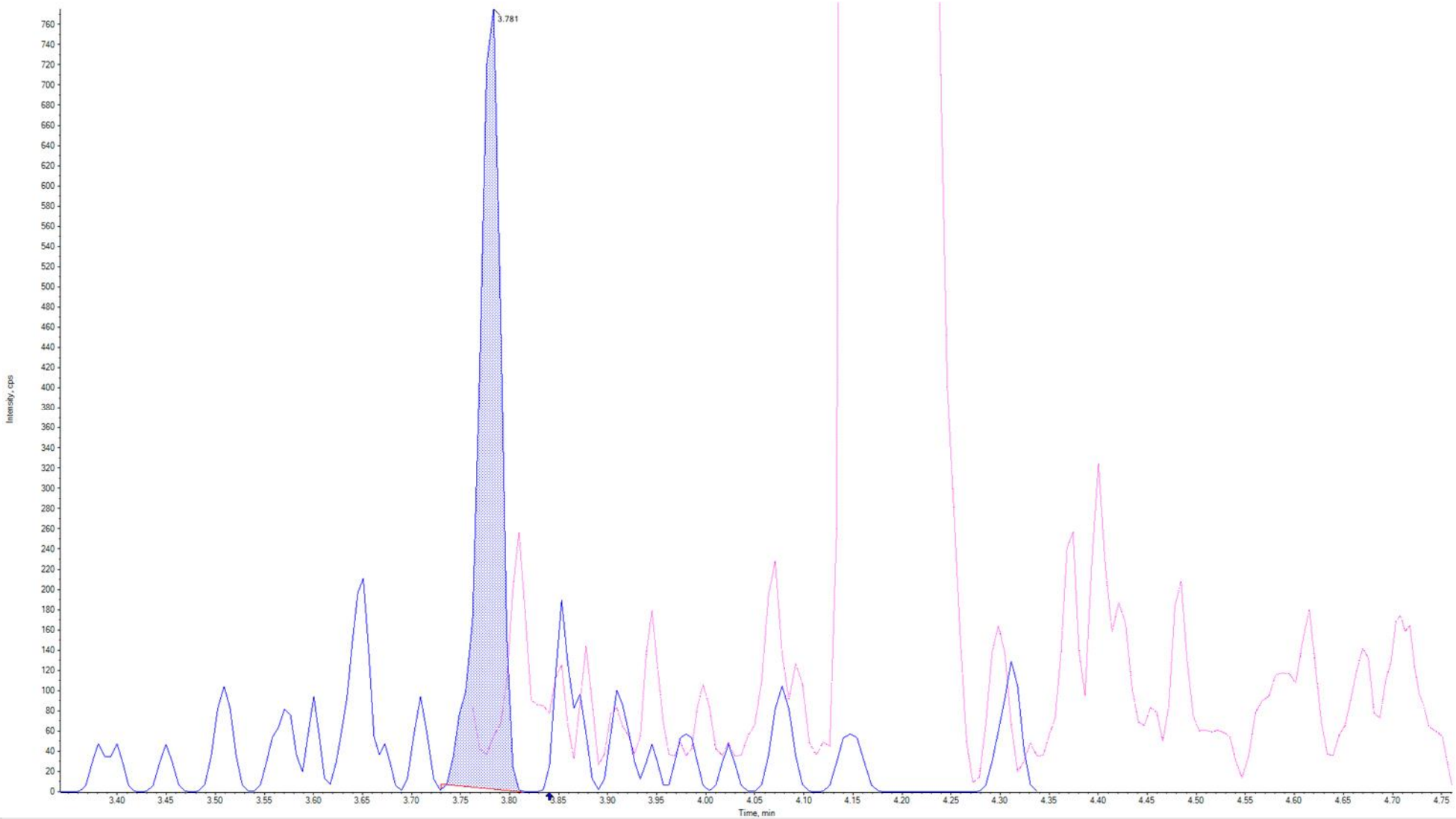
PFHpS
Sample: L2474358-01 S/N:24.8 Points Across peak:15



PFHpS_2
Sample: L2474358-01 S/N:15.5 Points Across peak:14



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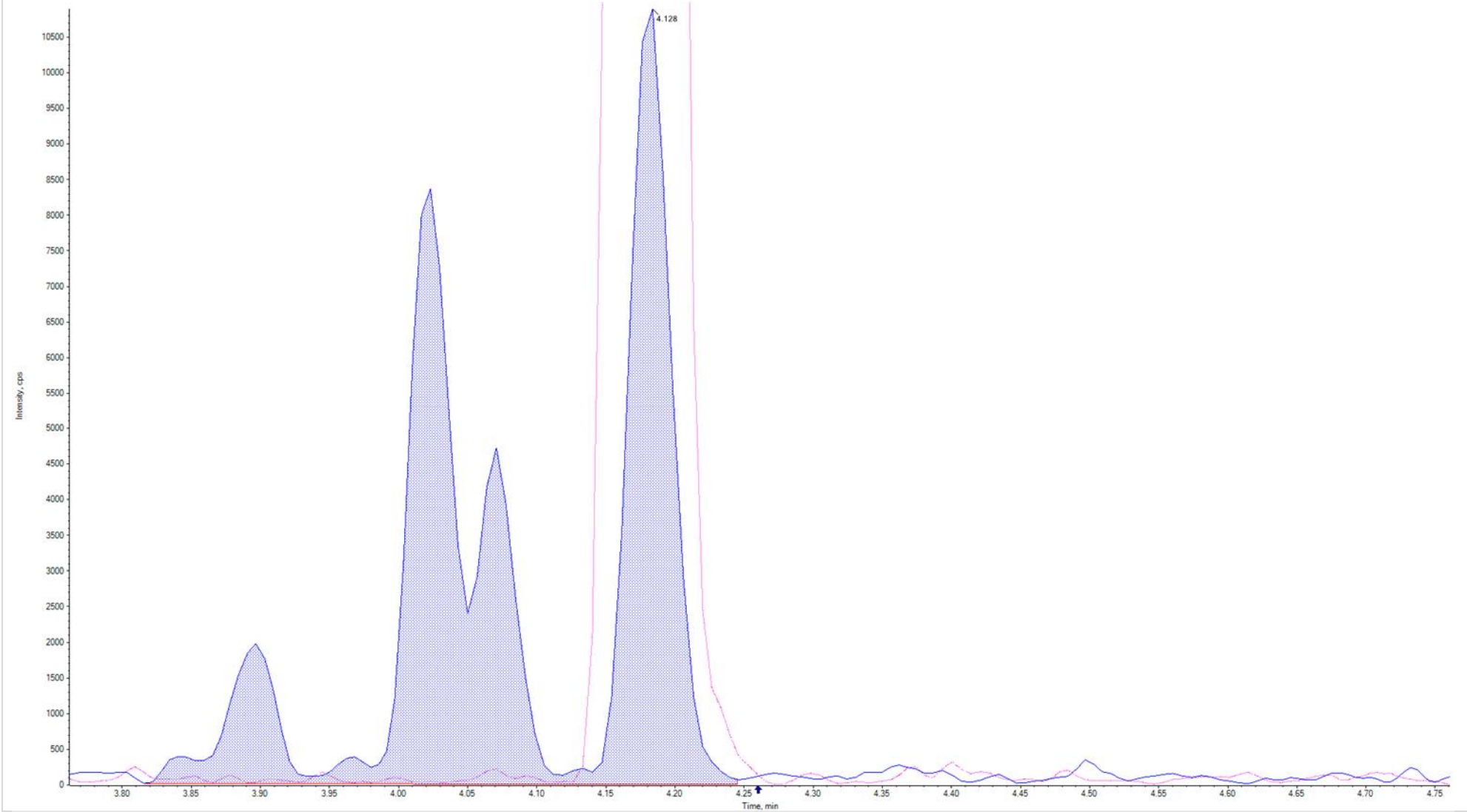
PFOS
Sample: L2474358-01 S/N:96.9 Points Across peak:67



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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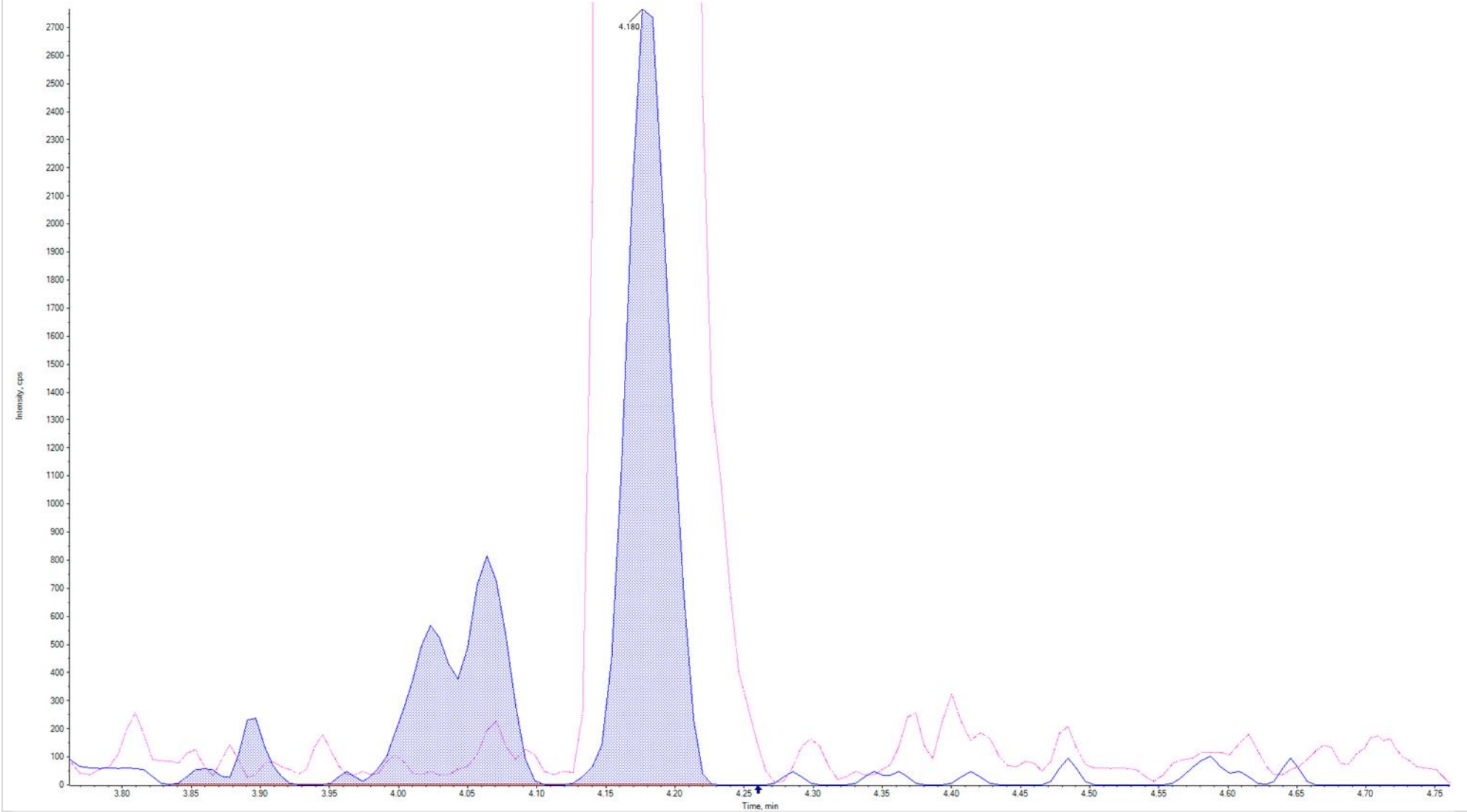
PFOS_2
Sample: L2474358-01 S/N:55.4 Points Across peak:63



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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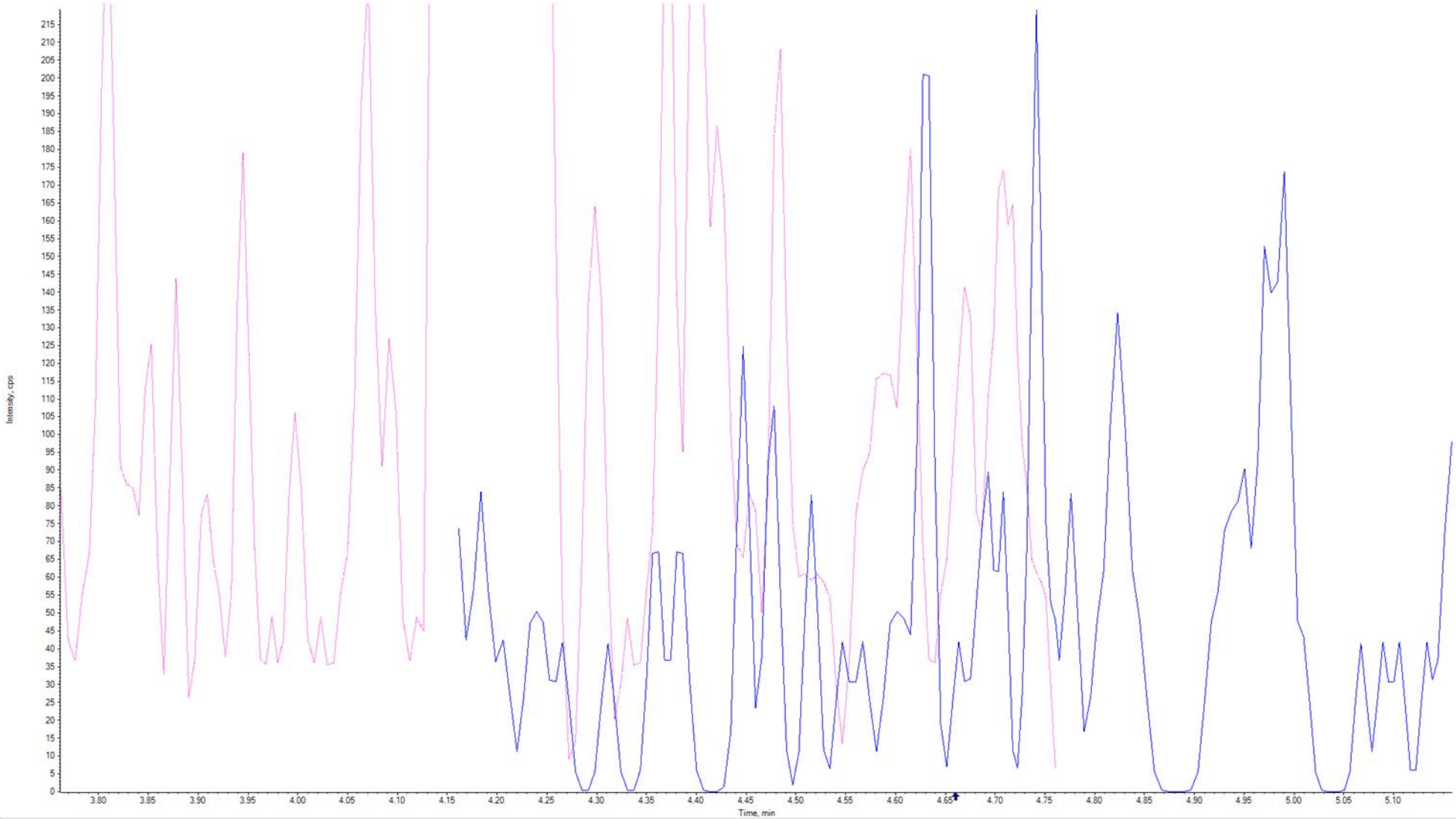
PFNS
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFNS_2
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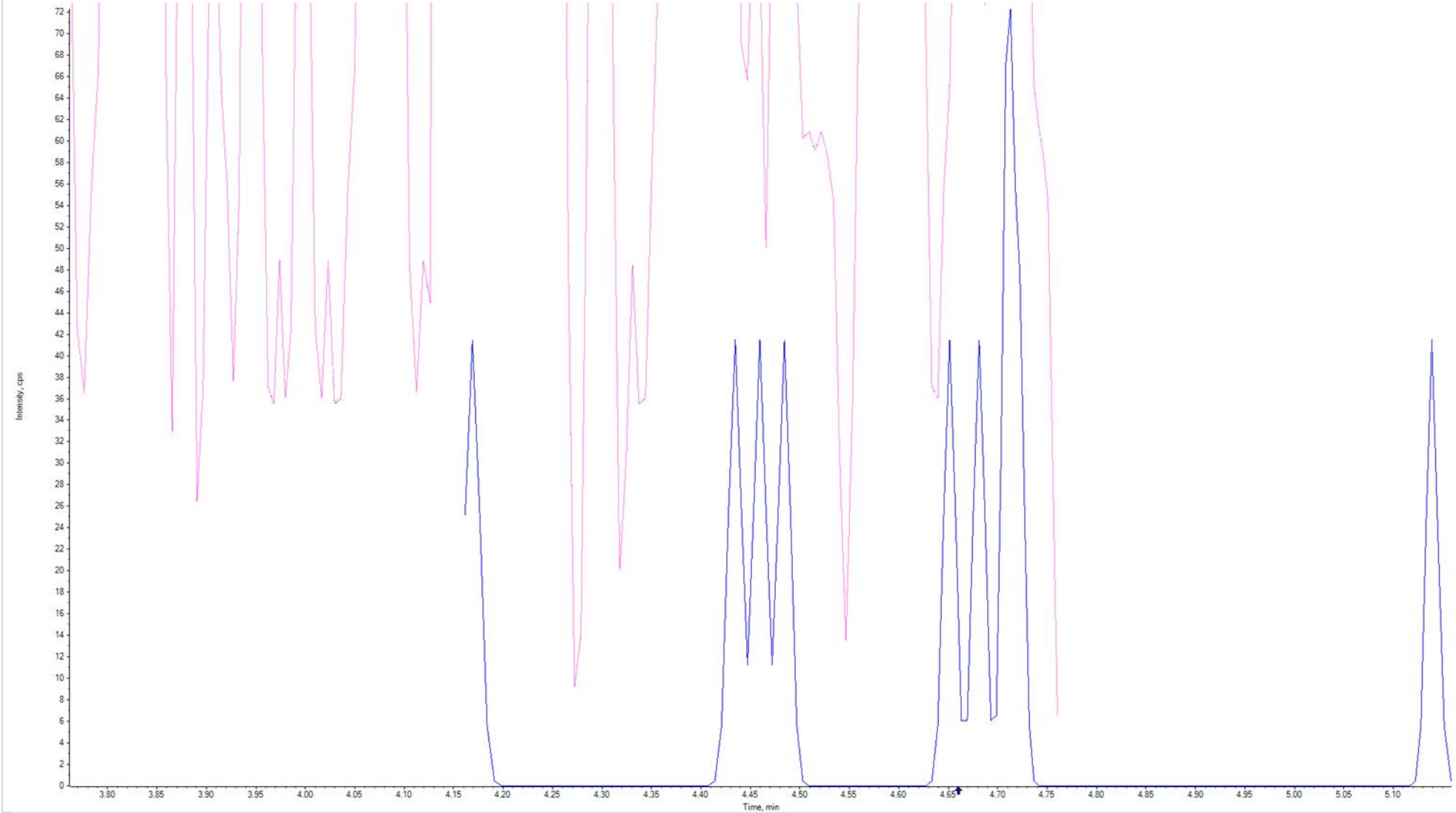

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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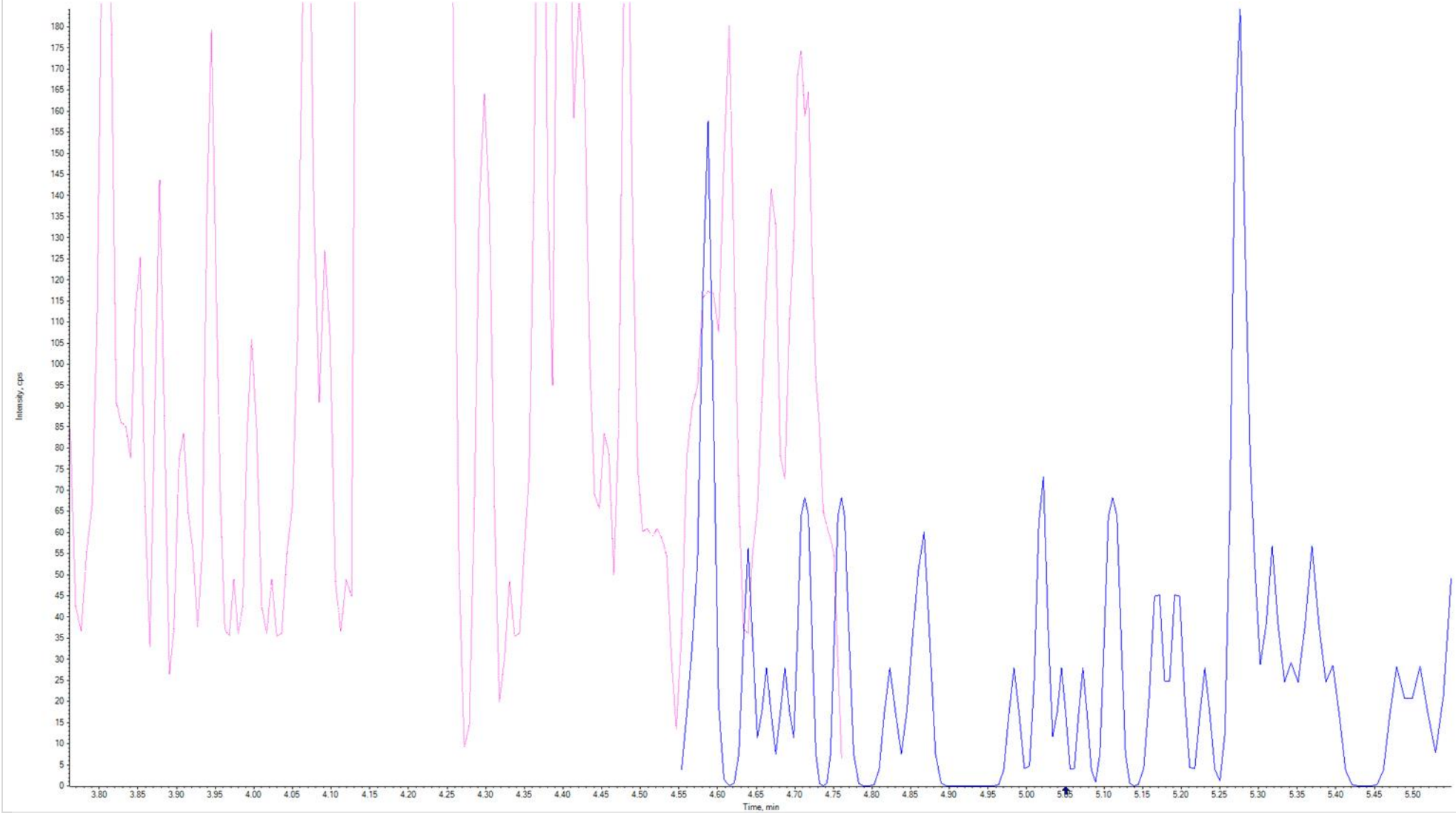
PFDS
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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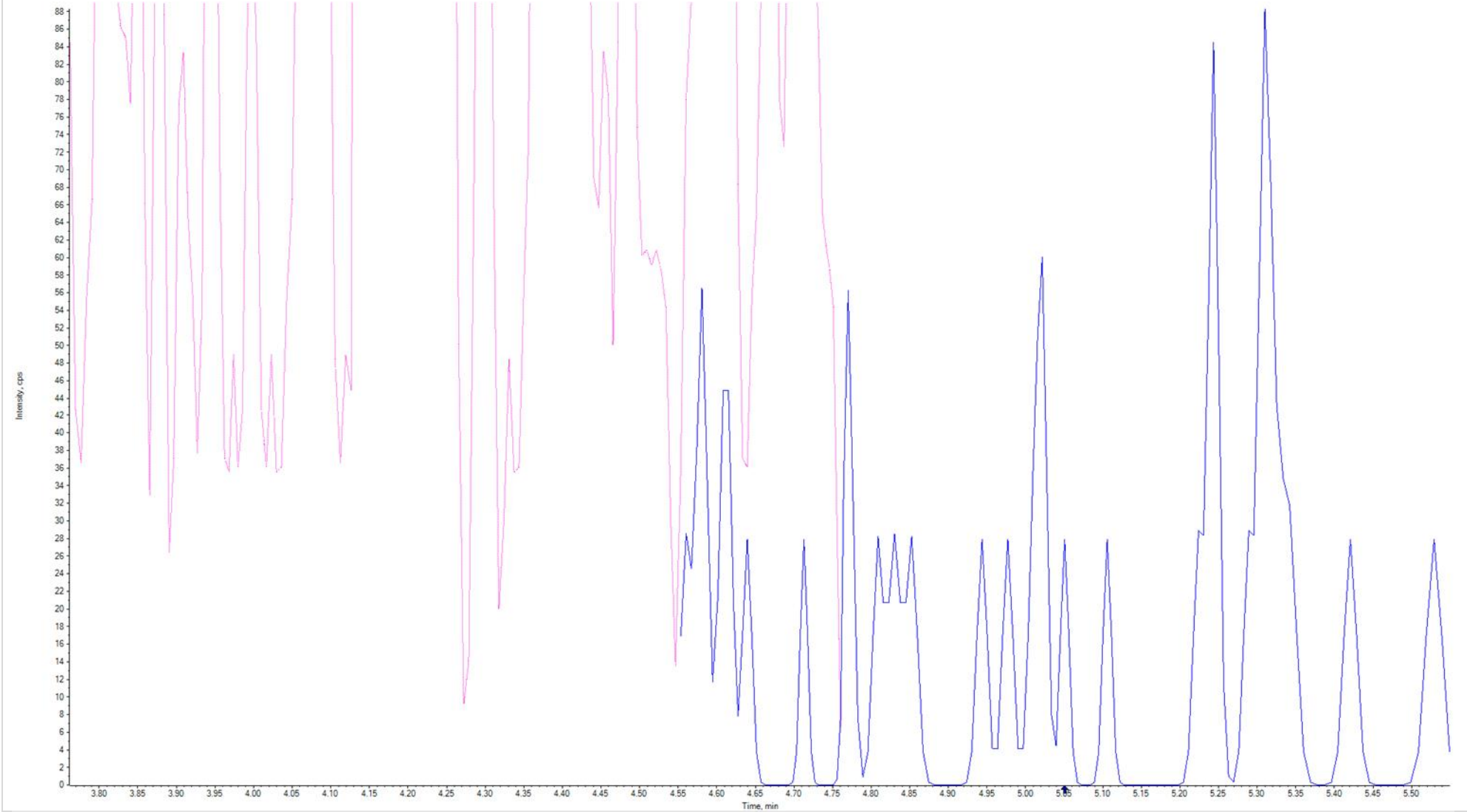
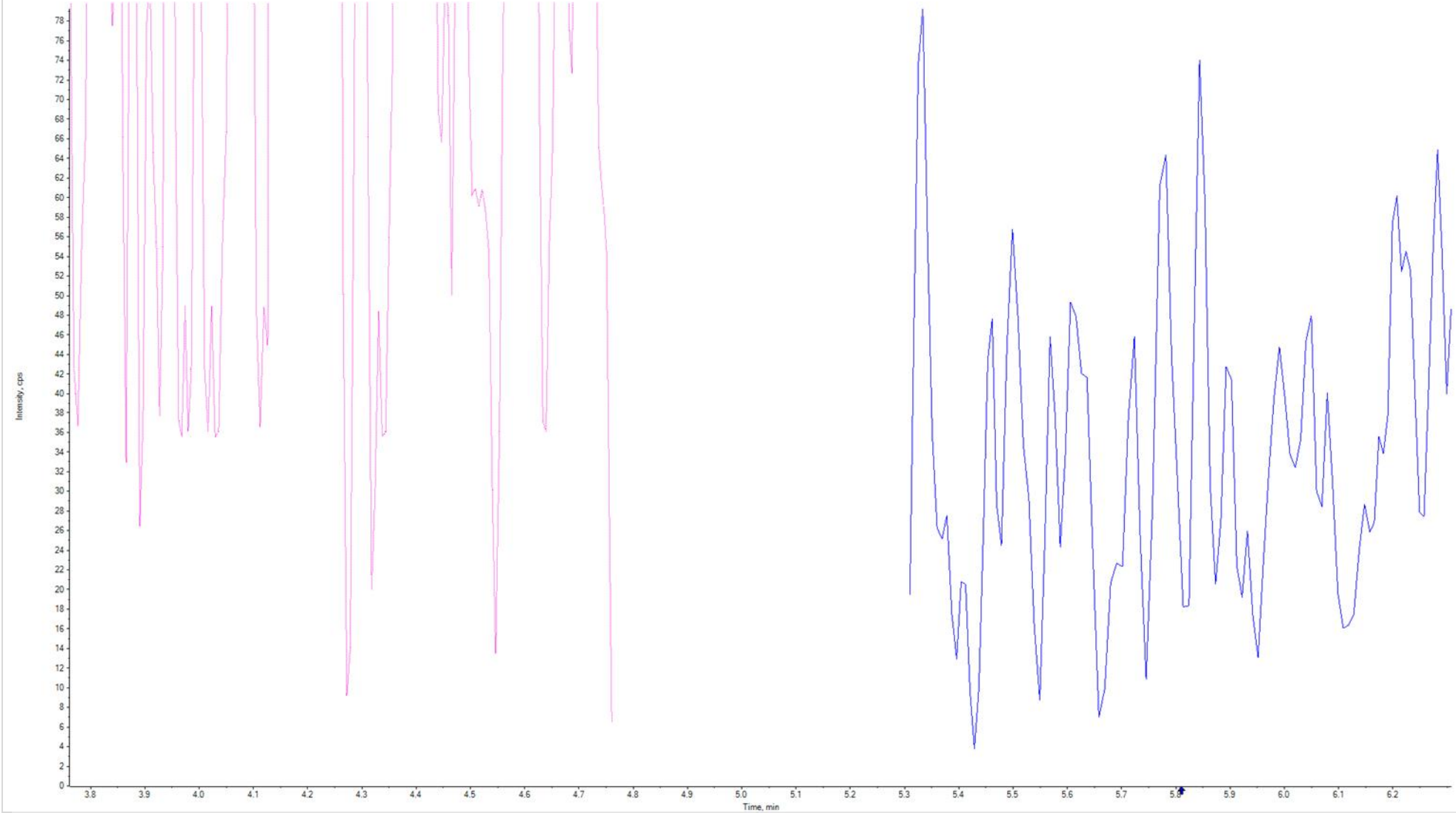
PFDS_2
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



PFDoS
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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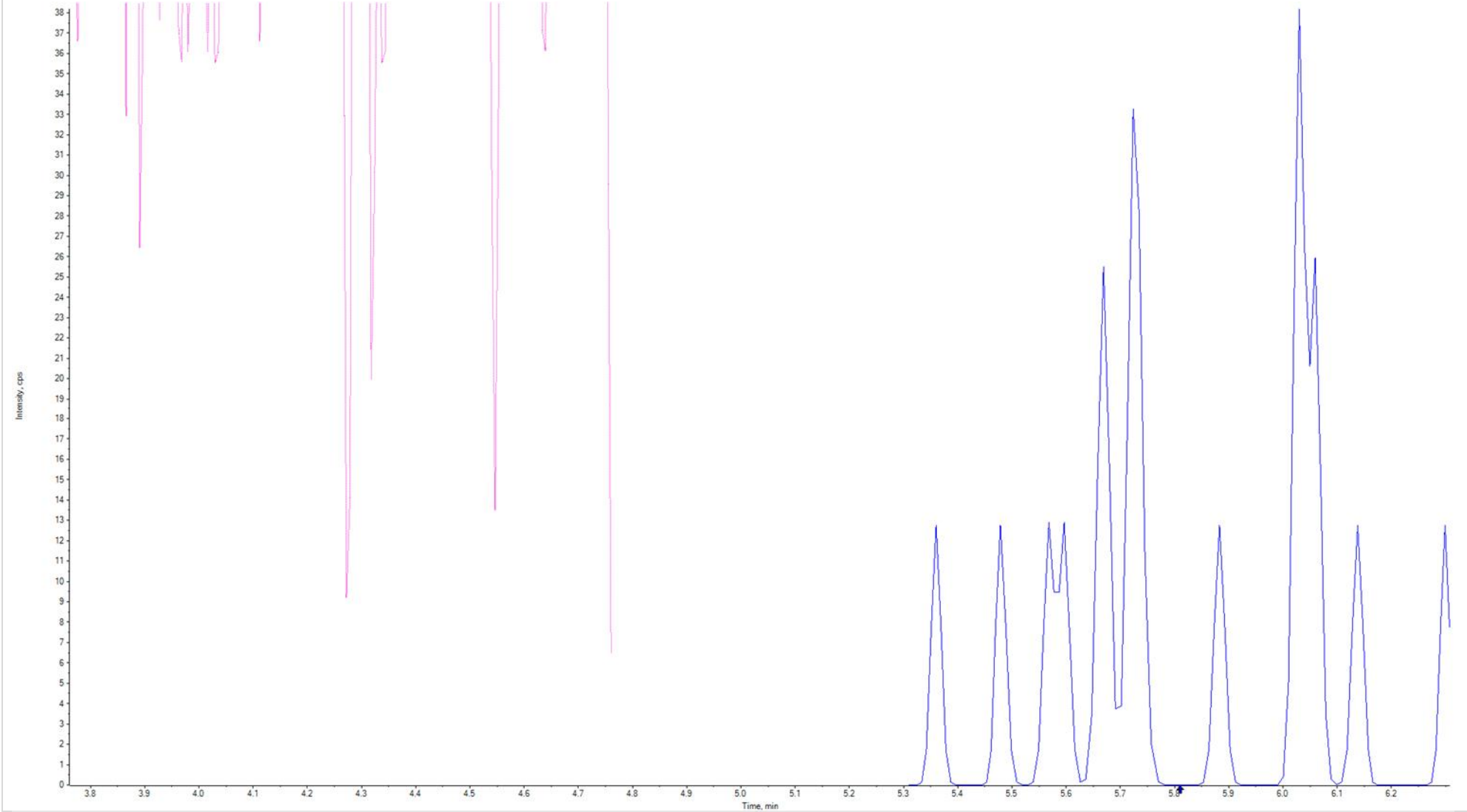
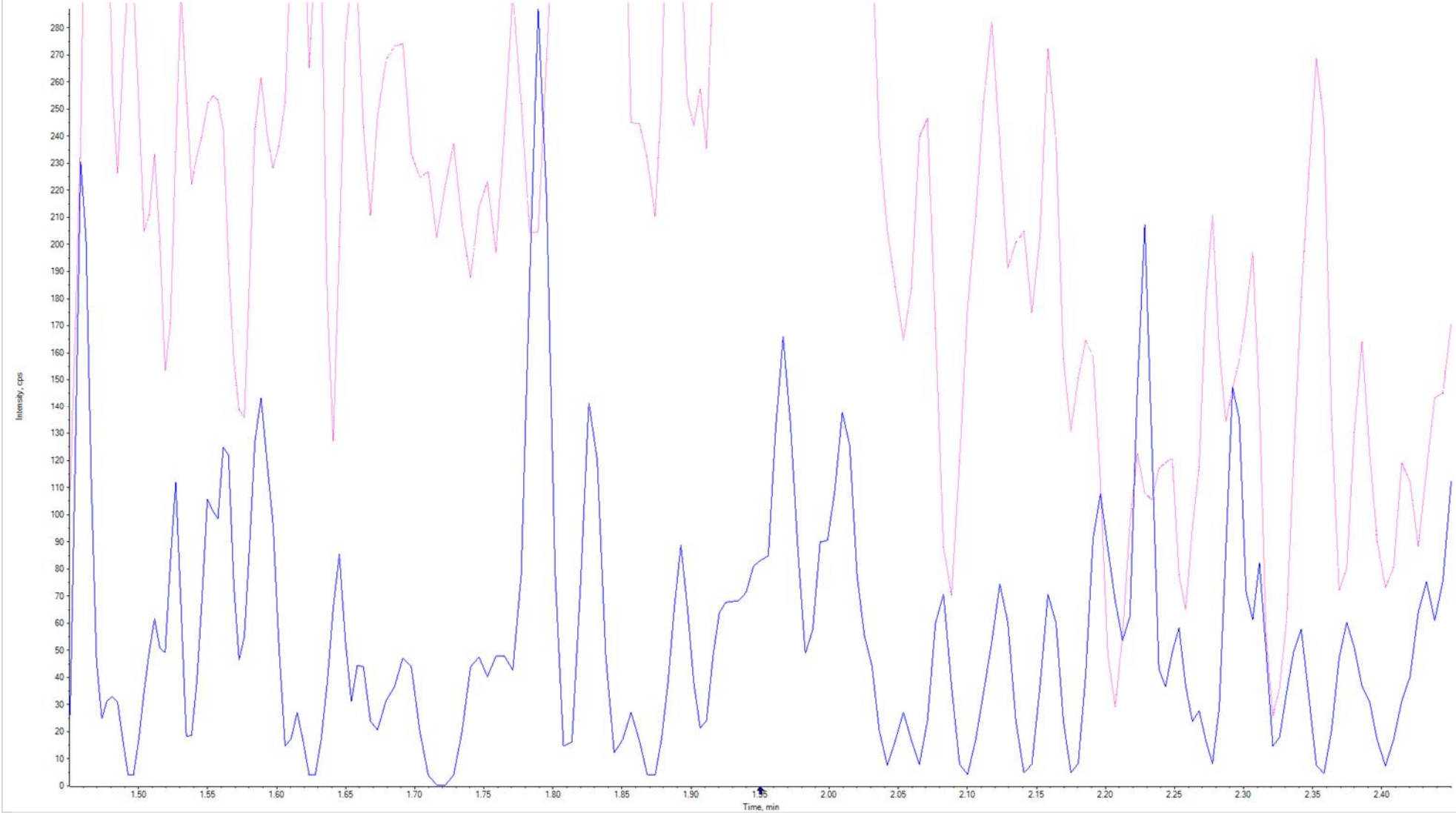
PFDoS_2
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



4:2FTS
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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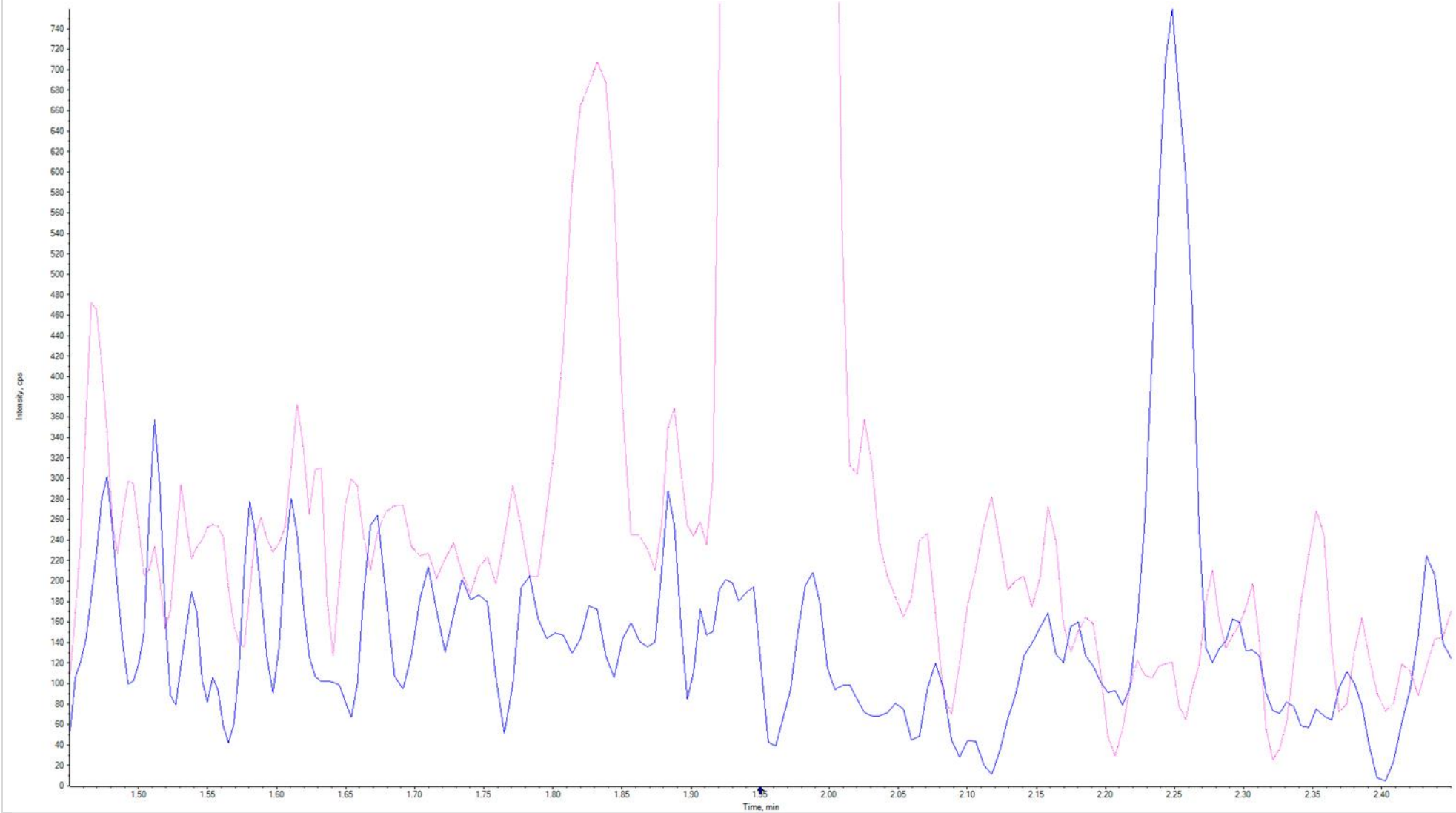
4:2FTS_2
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



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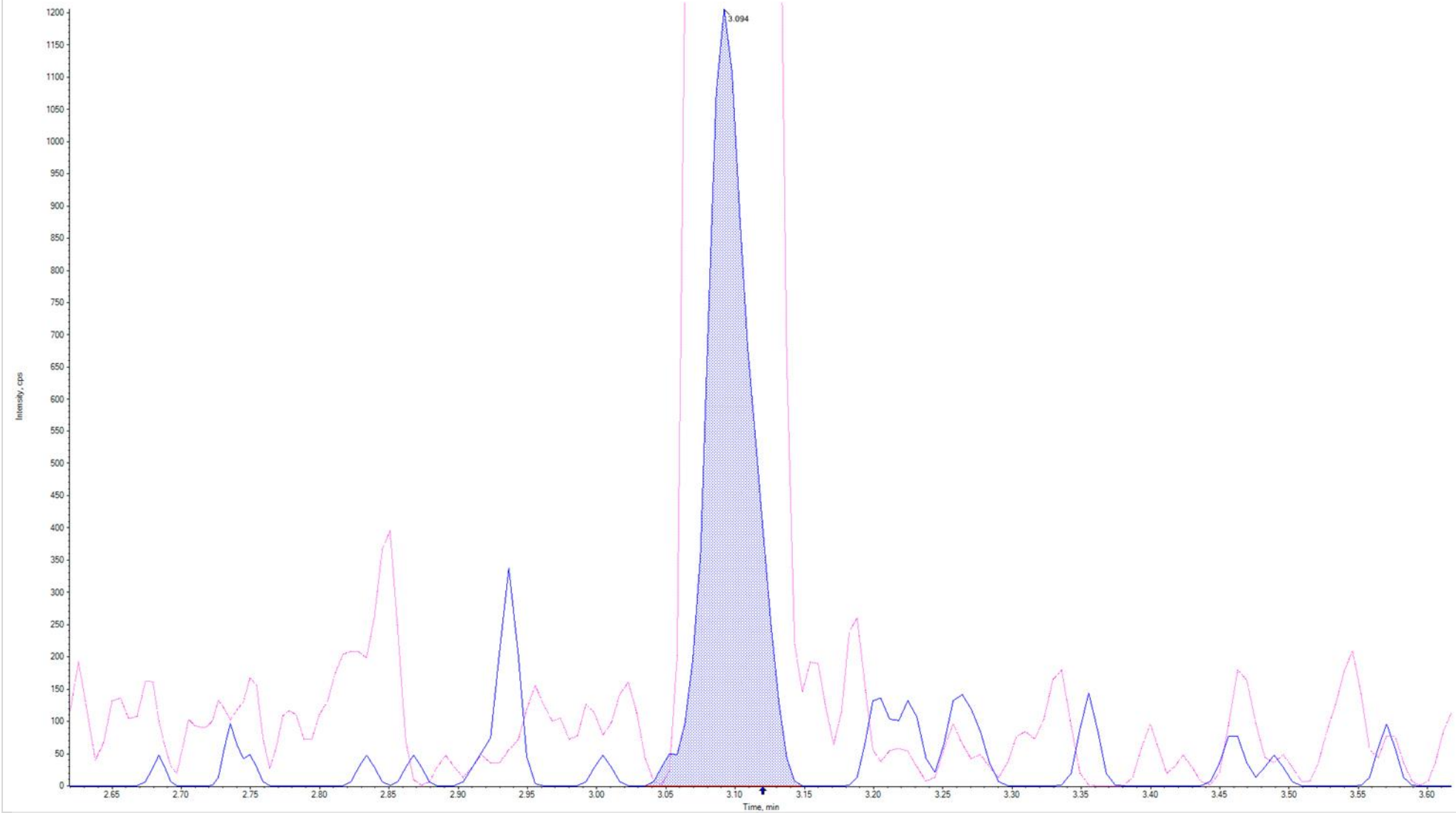
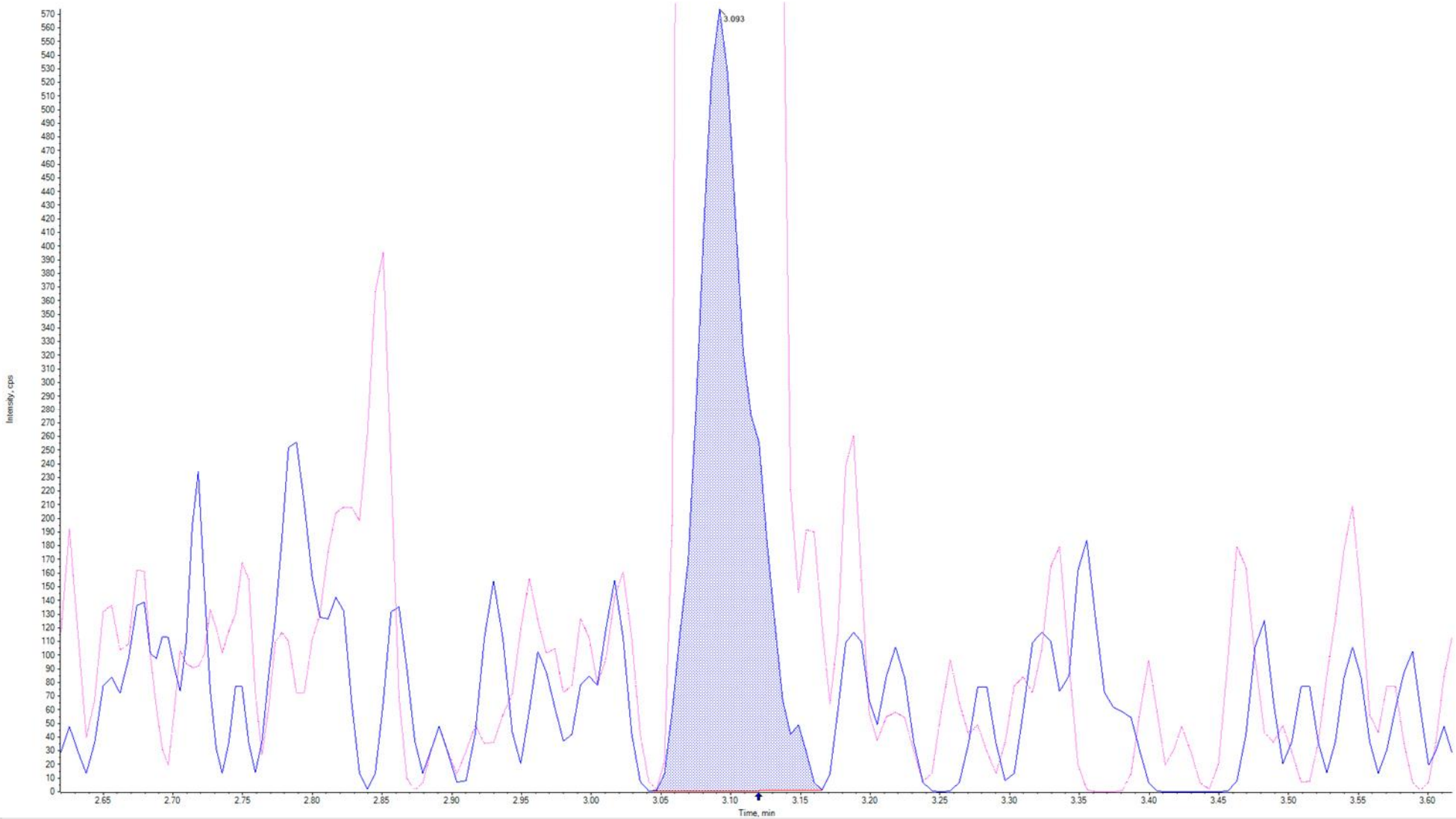
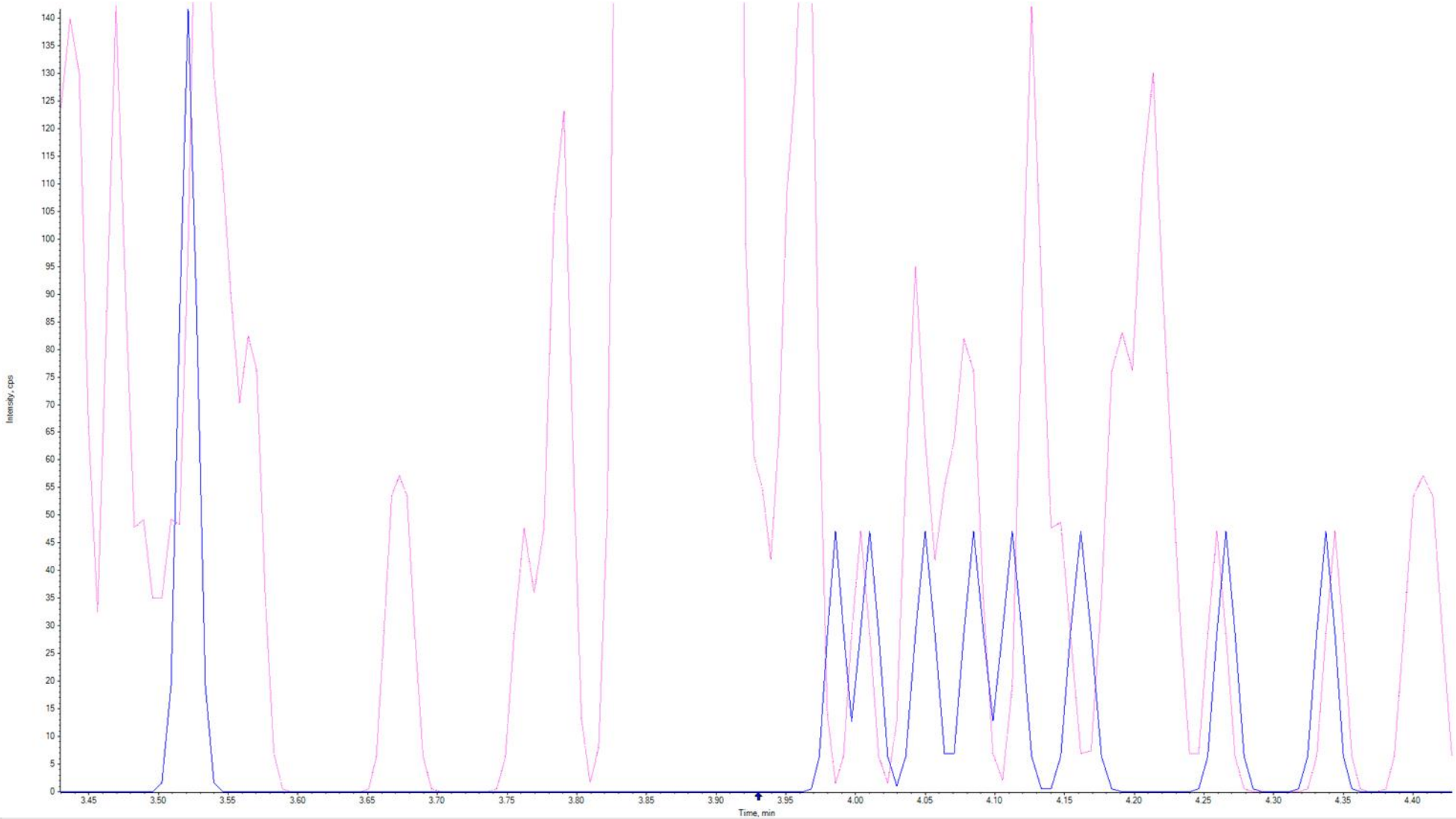
6:2FTS
Sample: L2474358-01 S/N:24.2 Points Across peak:24



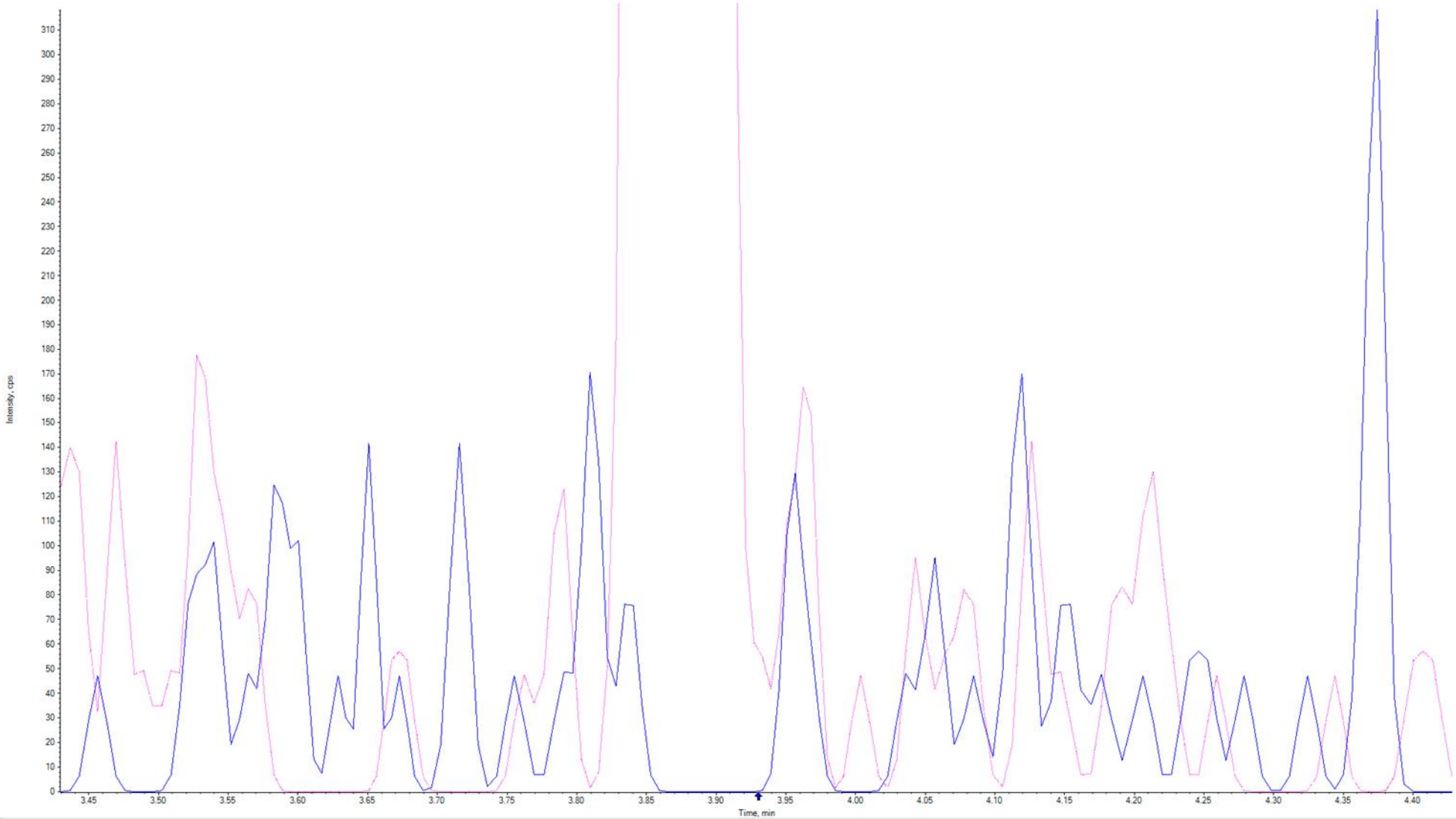
6:2FTS_2
Sample: L2474358-01 S/N:11.5 Points Across peak:23



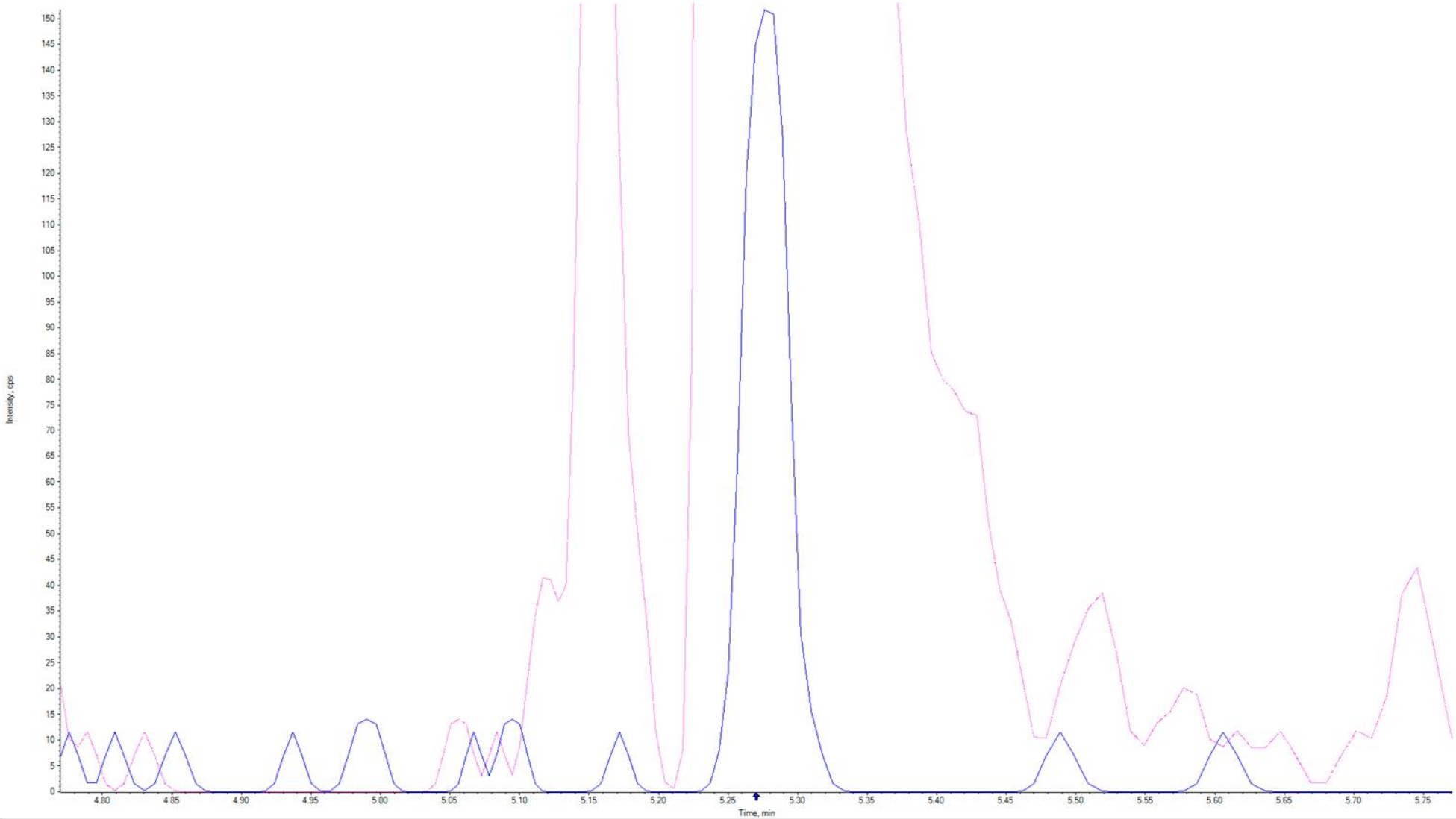
8:2FTS
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



8:2FTS_2
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



PFOSA
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



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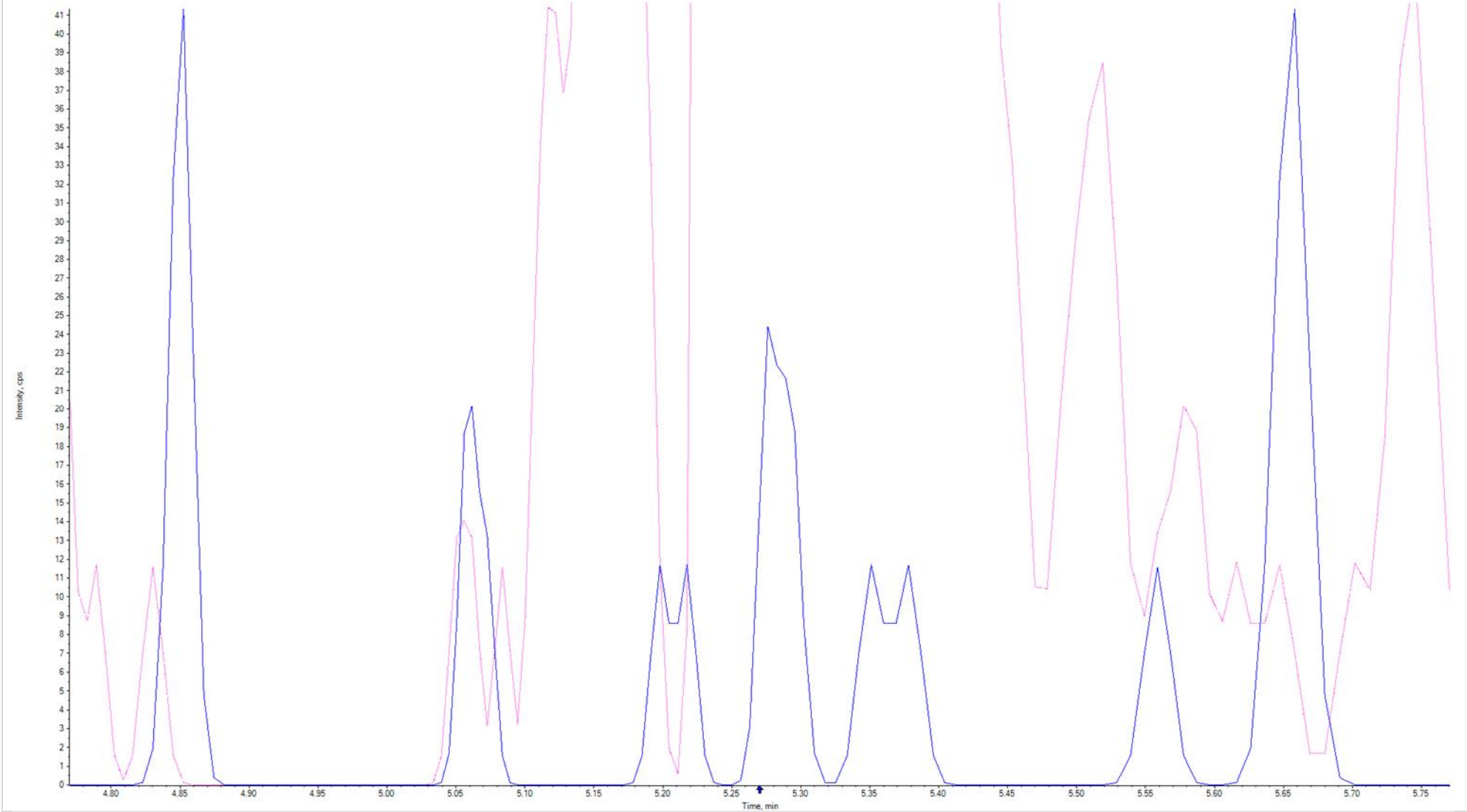
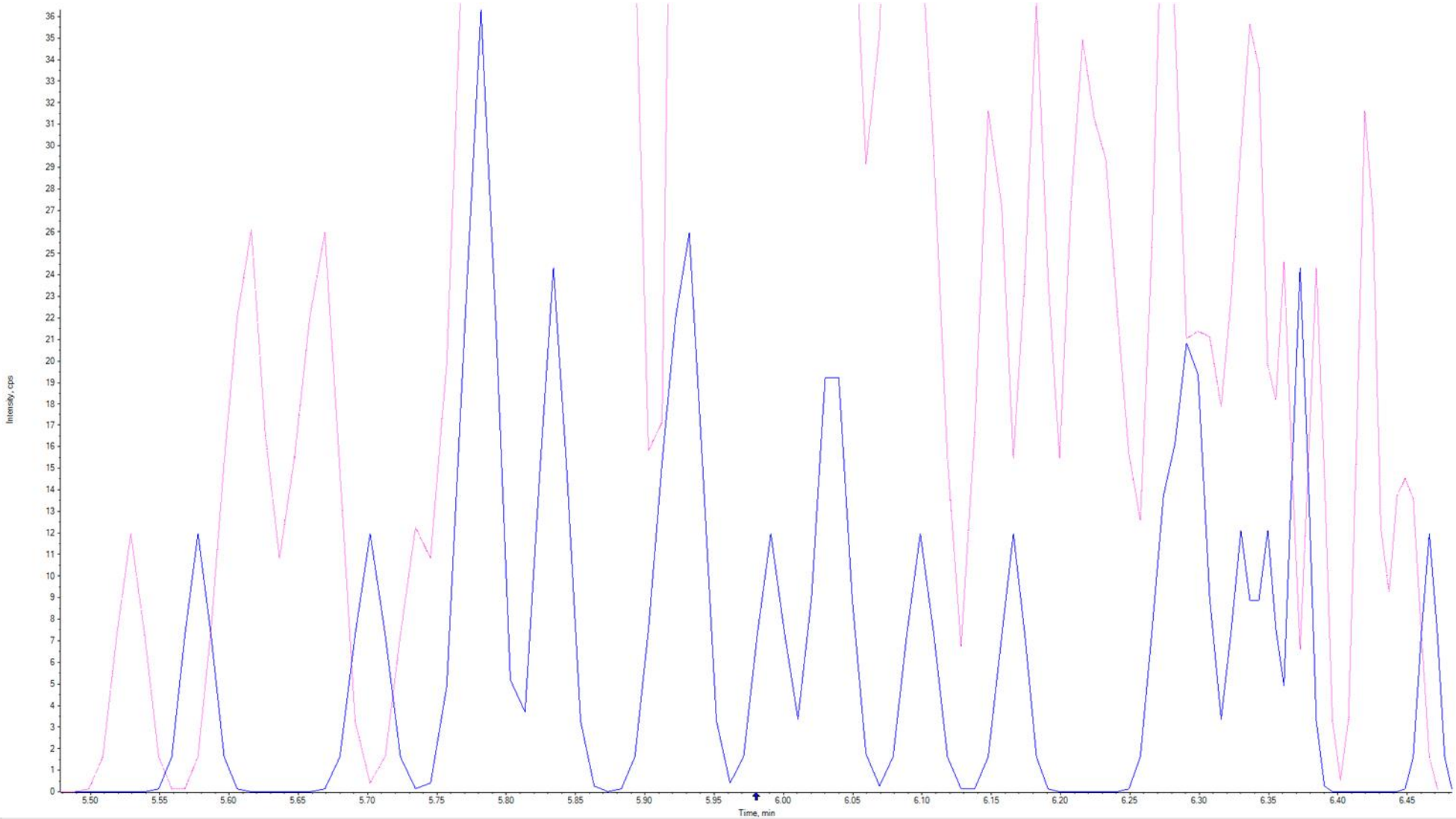
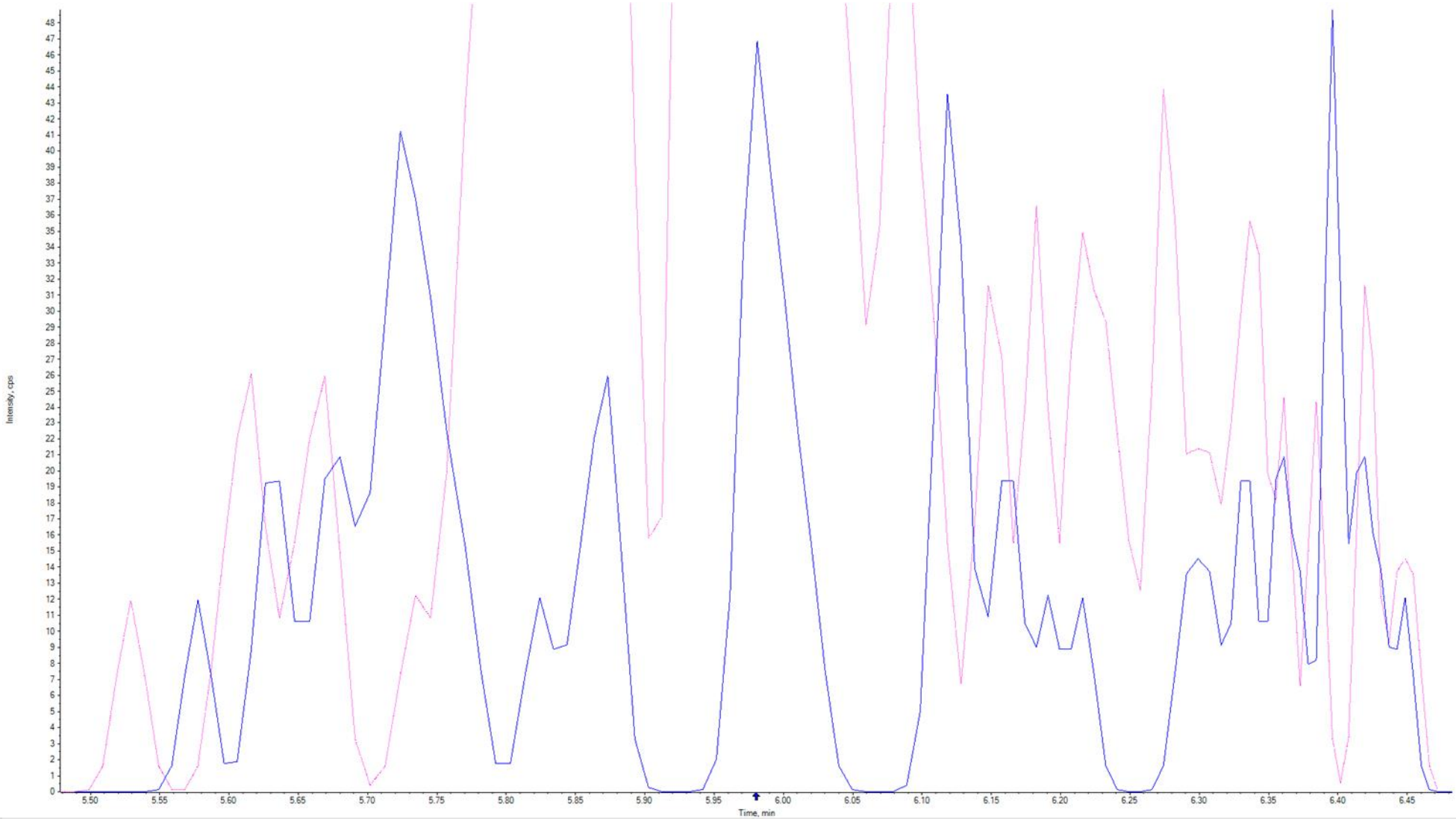
PFOSA_2
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



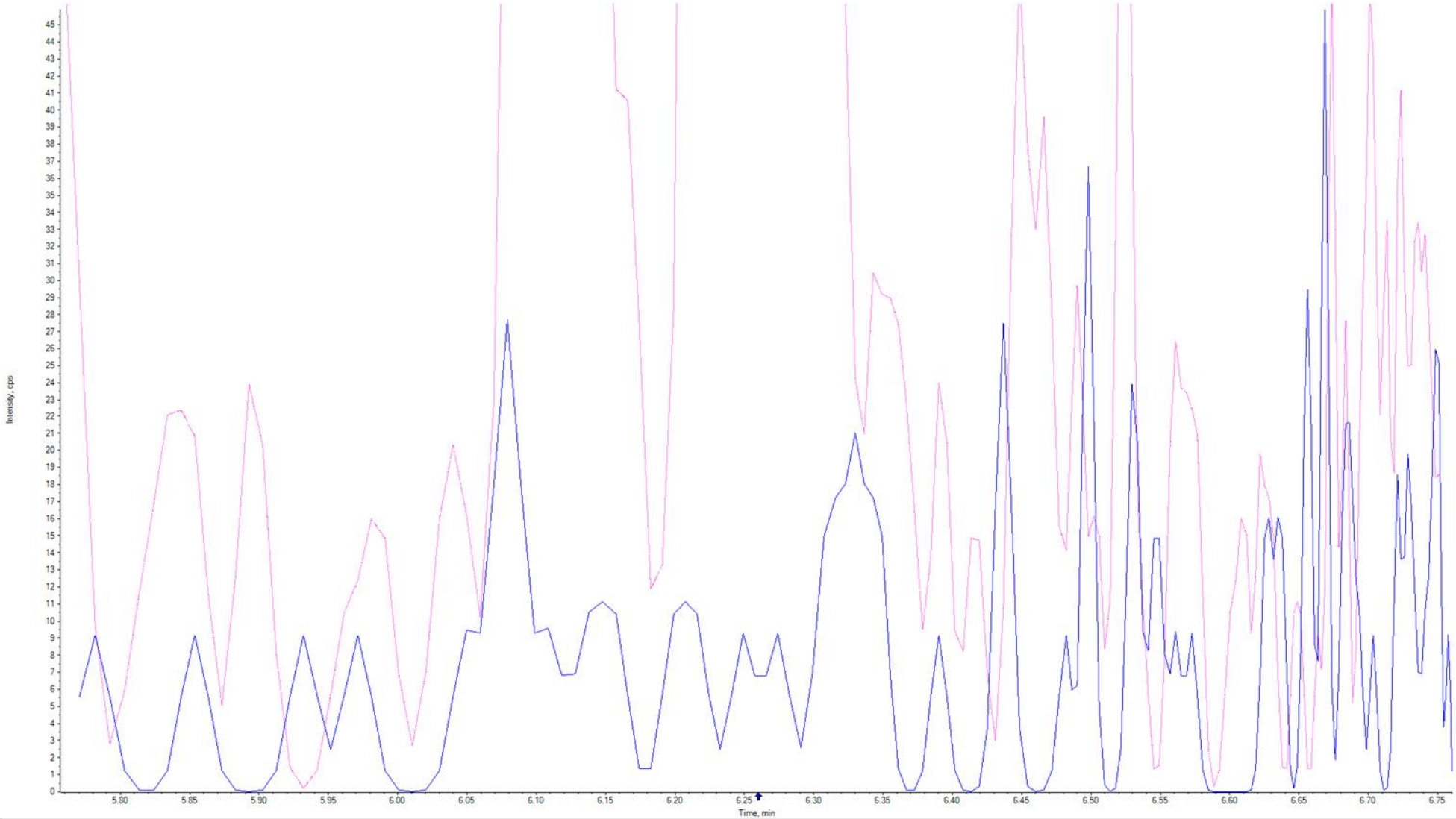
NMeFOSA
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



NMeFOSA_2
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



NEtFOSA
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



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NEtFOSA_2
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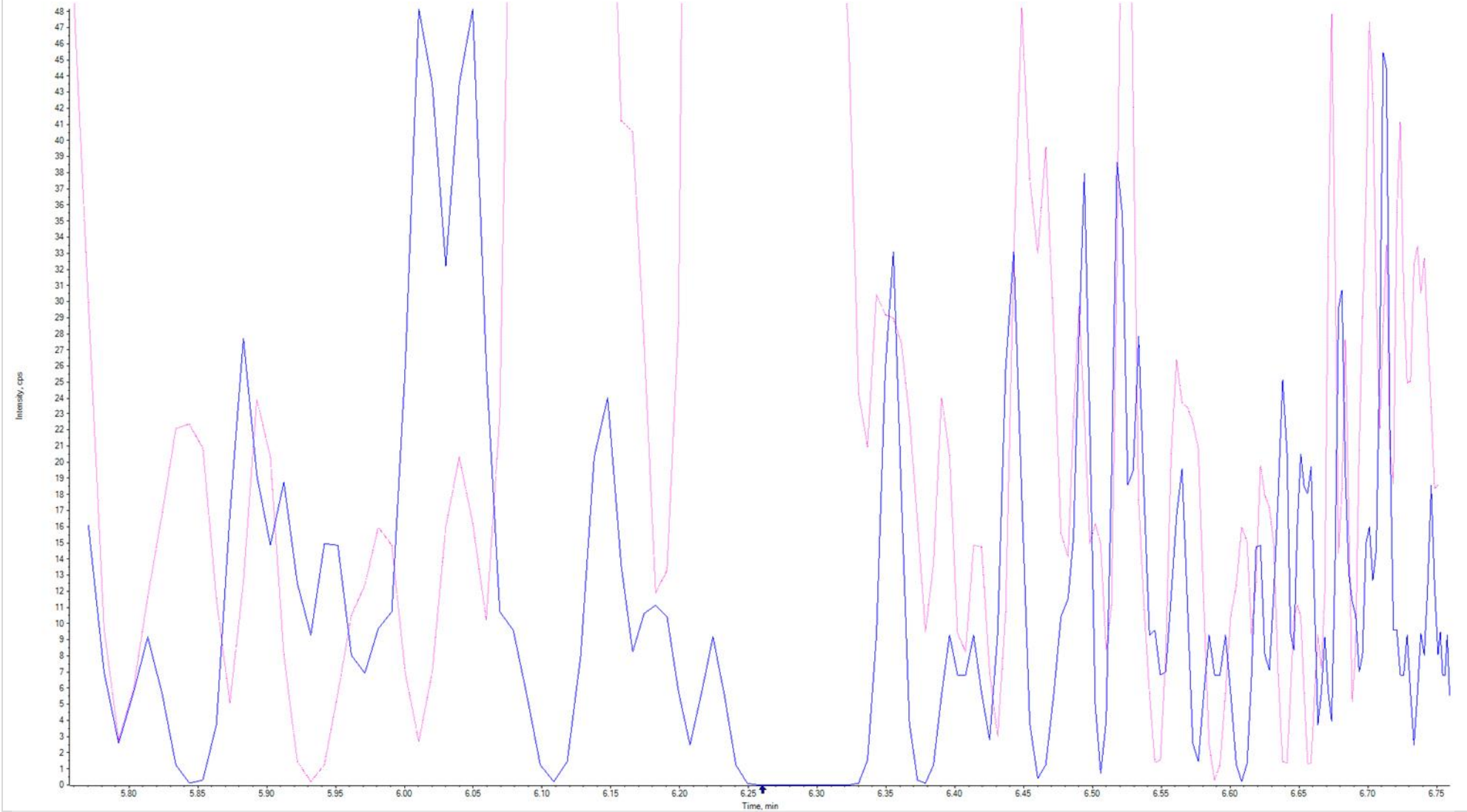

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NMeFOSAA
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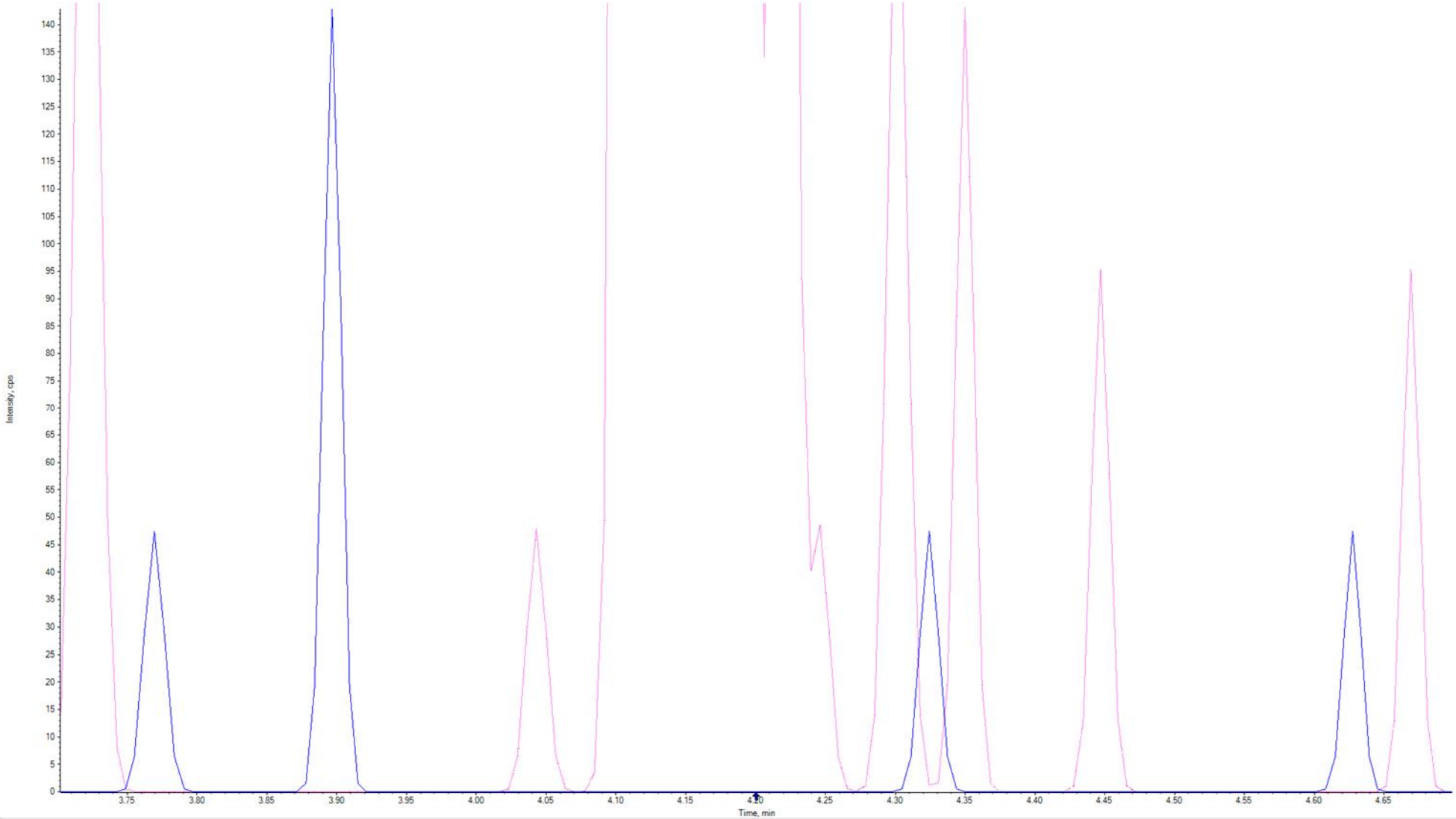

NMeFOSAA_2
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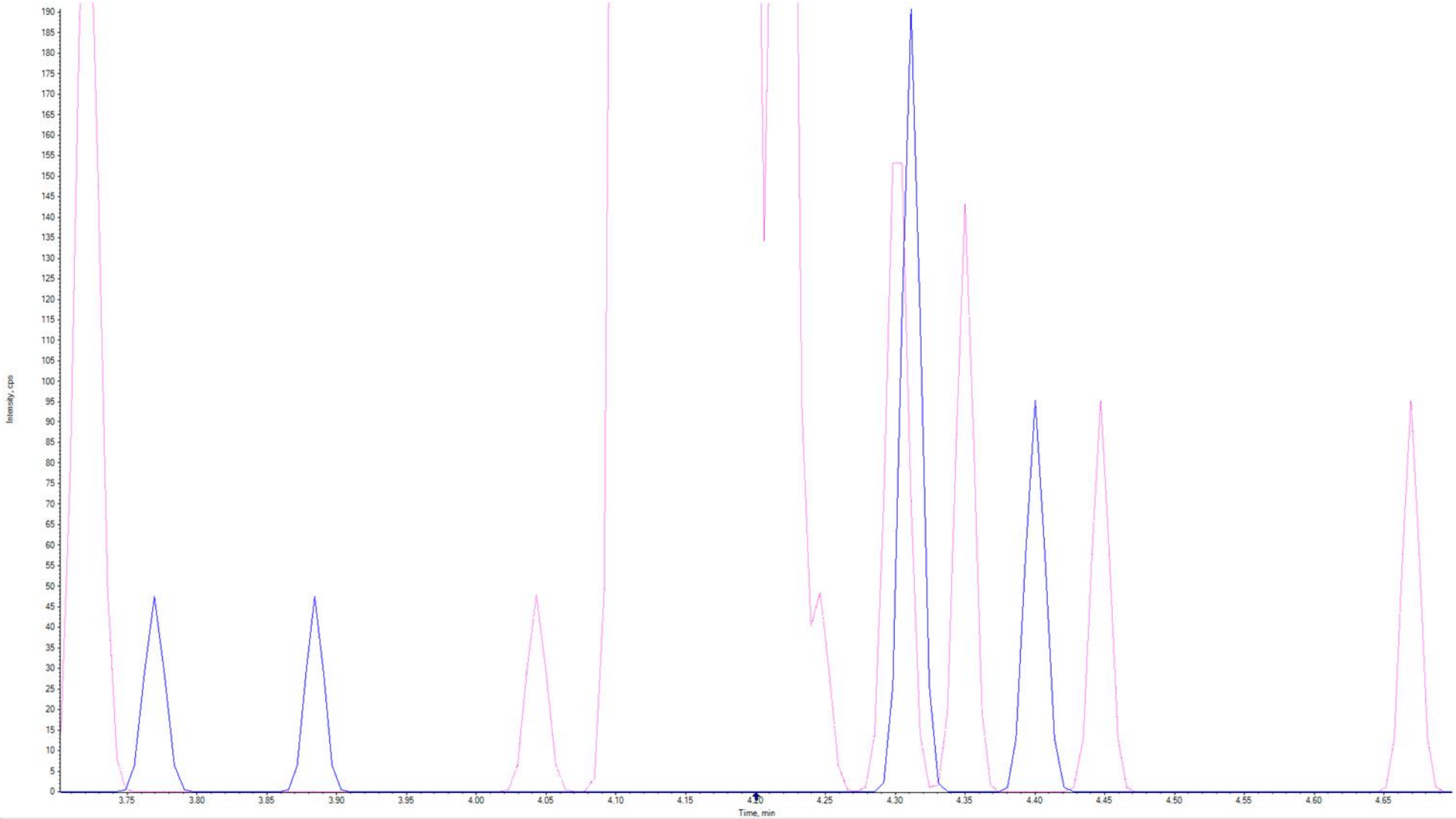

NEtFOSAA
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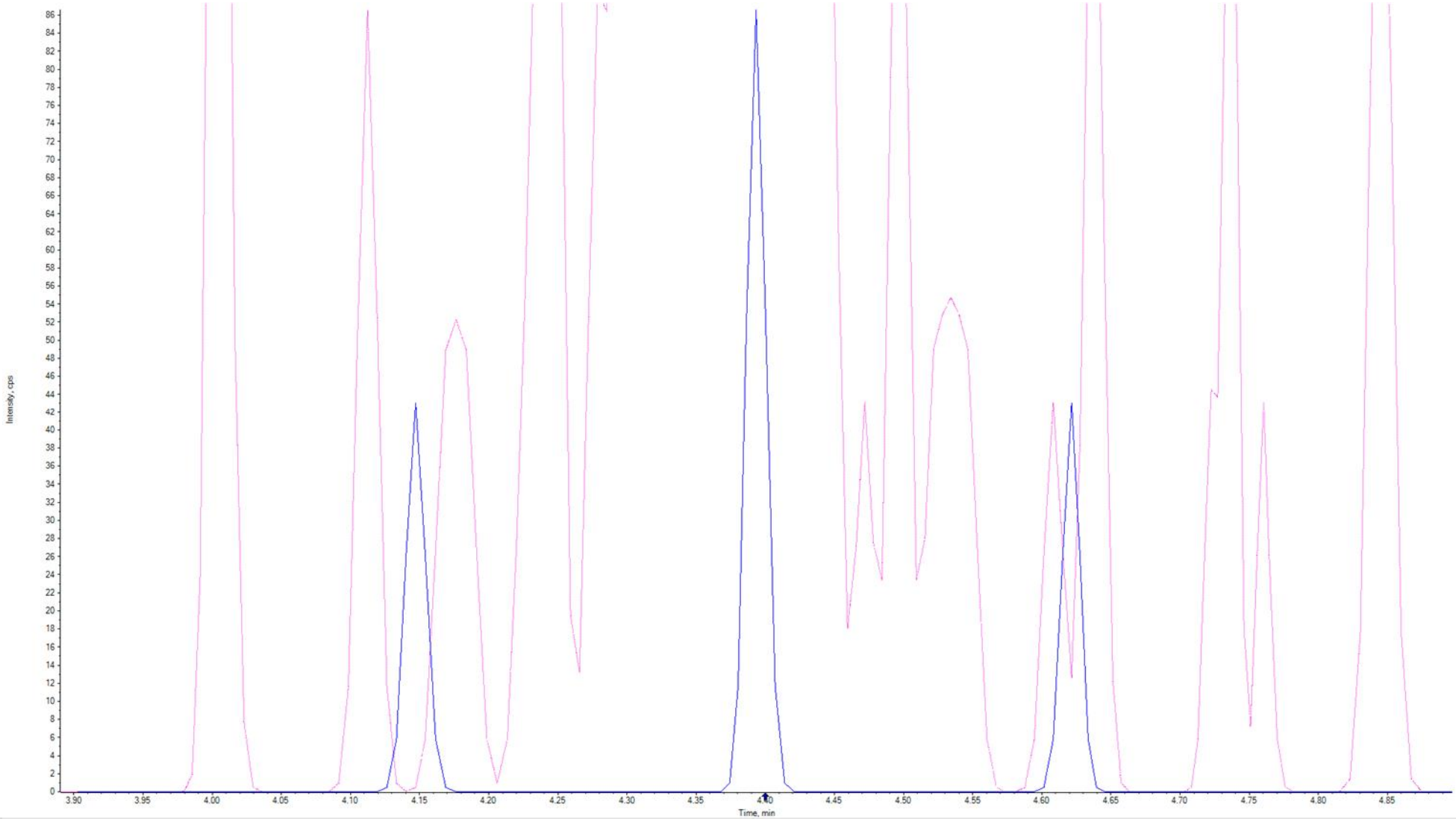

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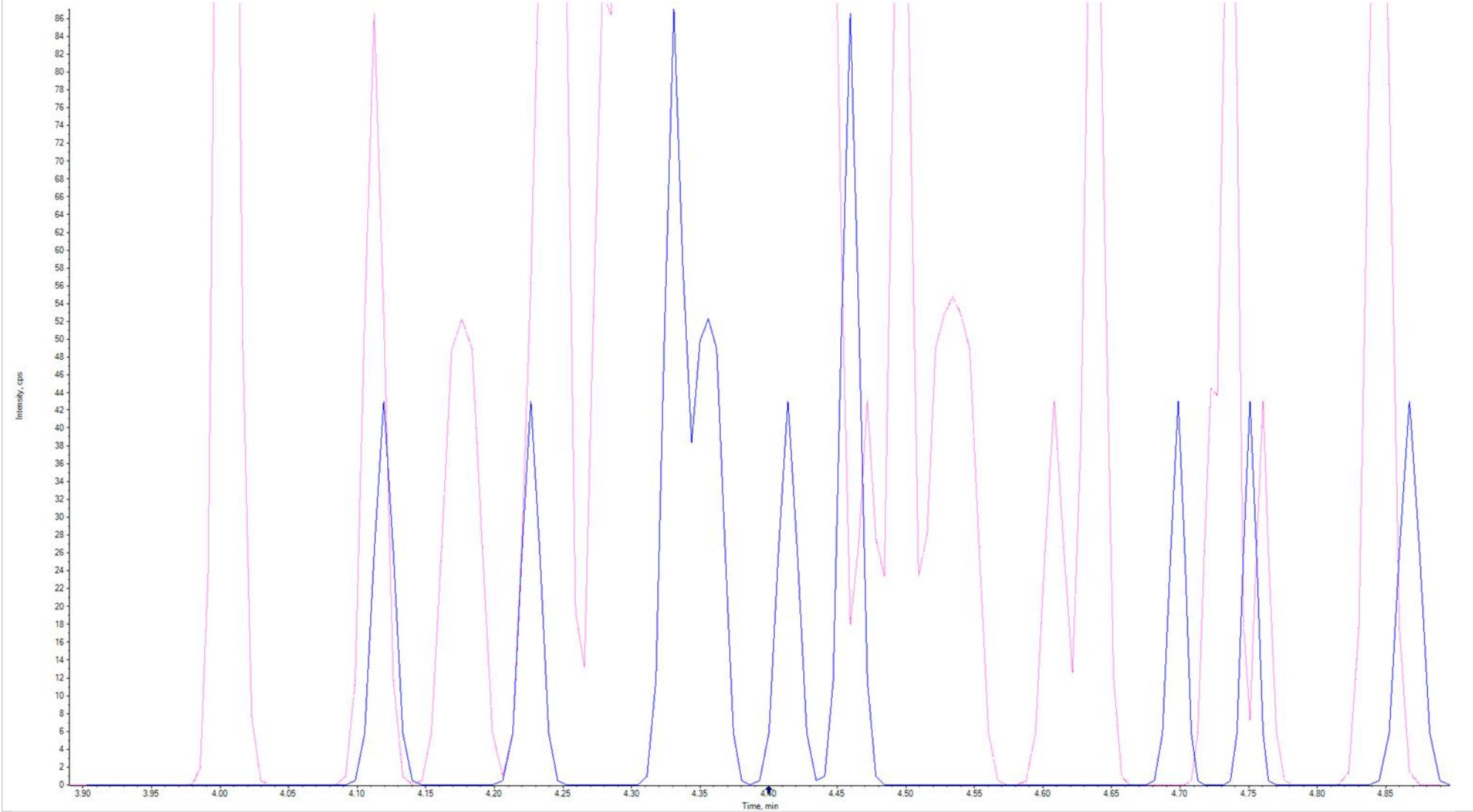
NEtFOSAA_2
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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NMeFOSE
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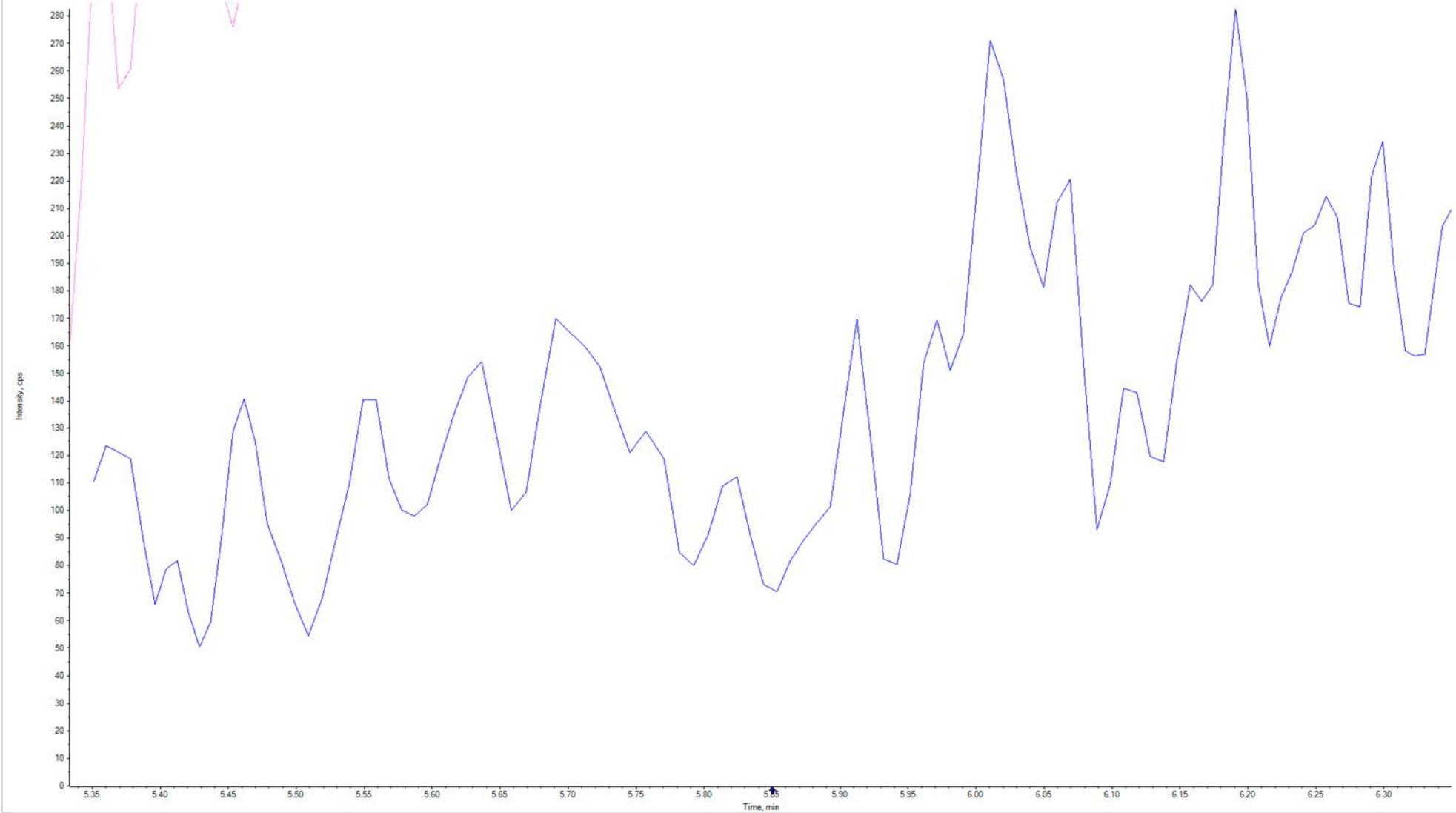

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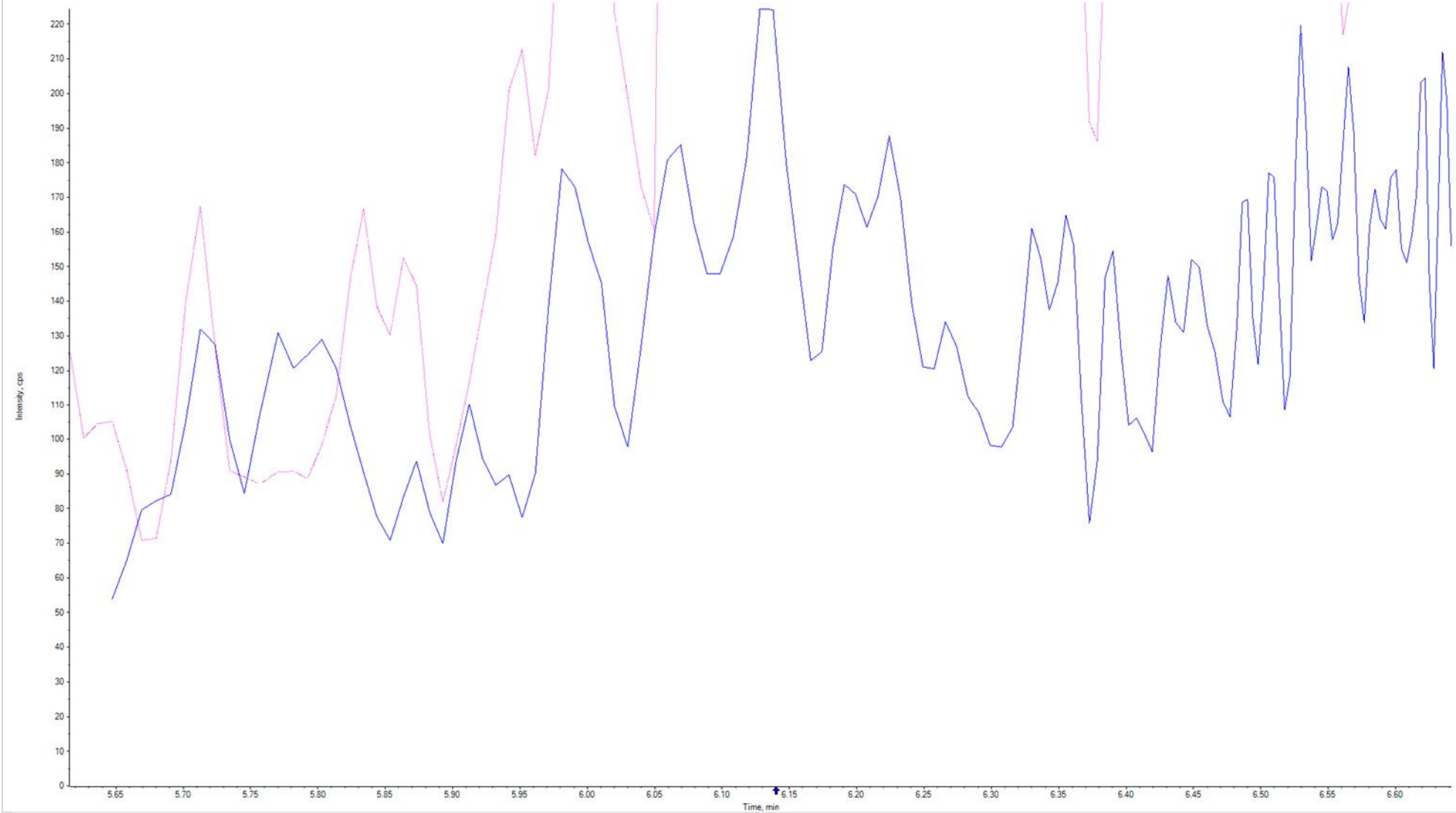

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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HFPO-DA
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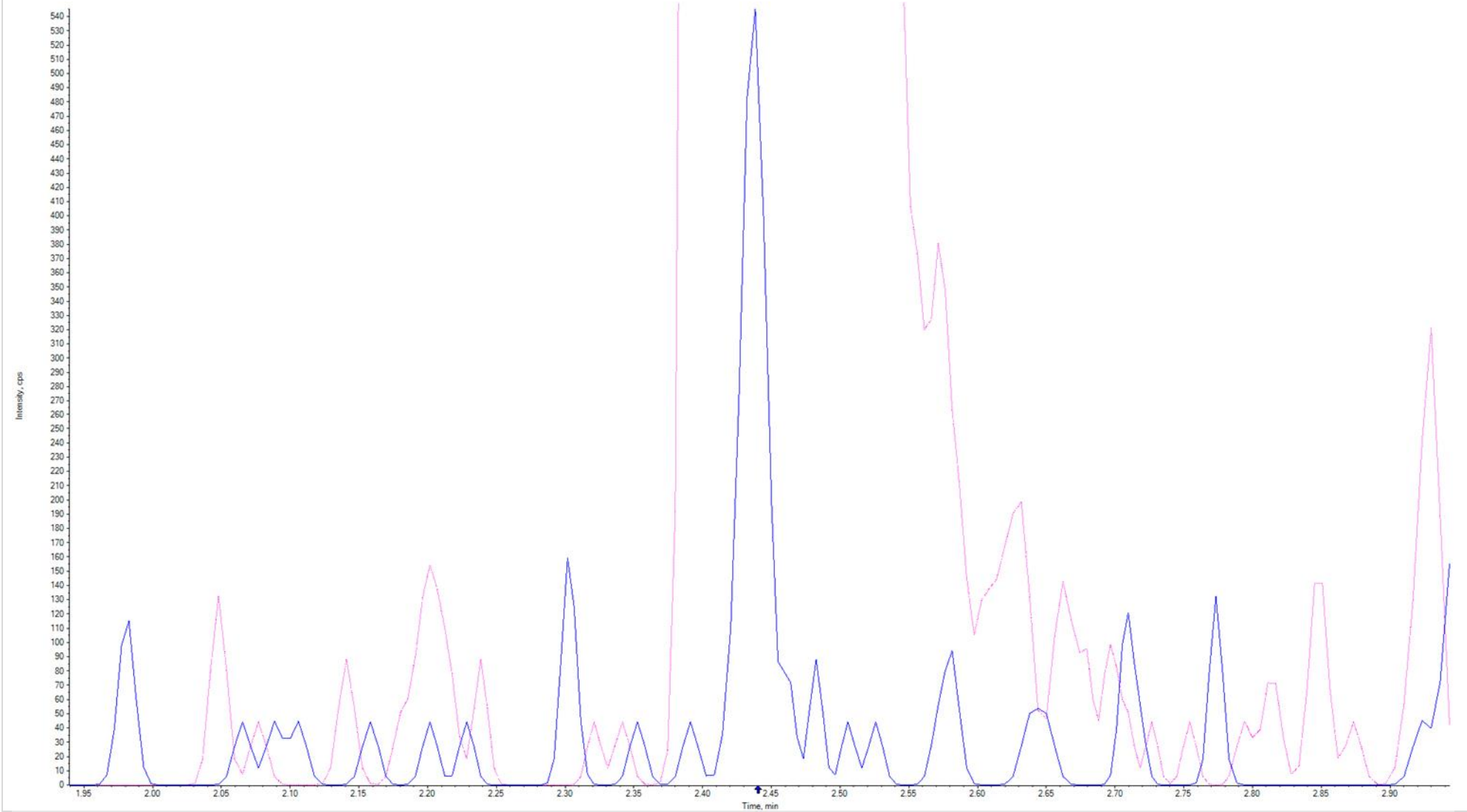

HFPO-DA_2
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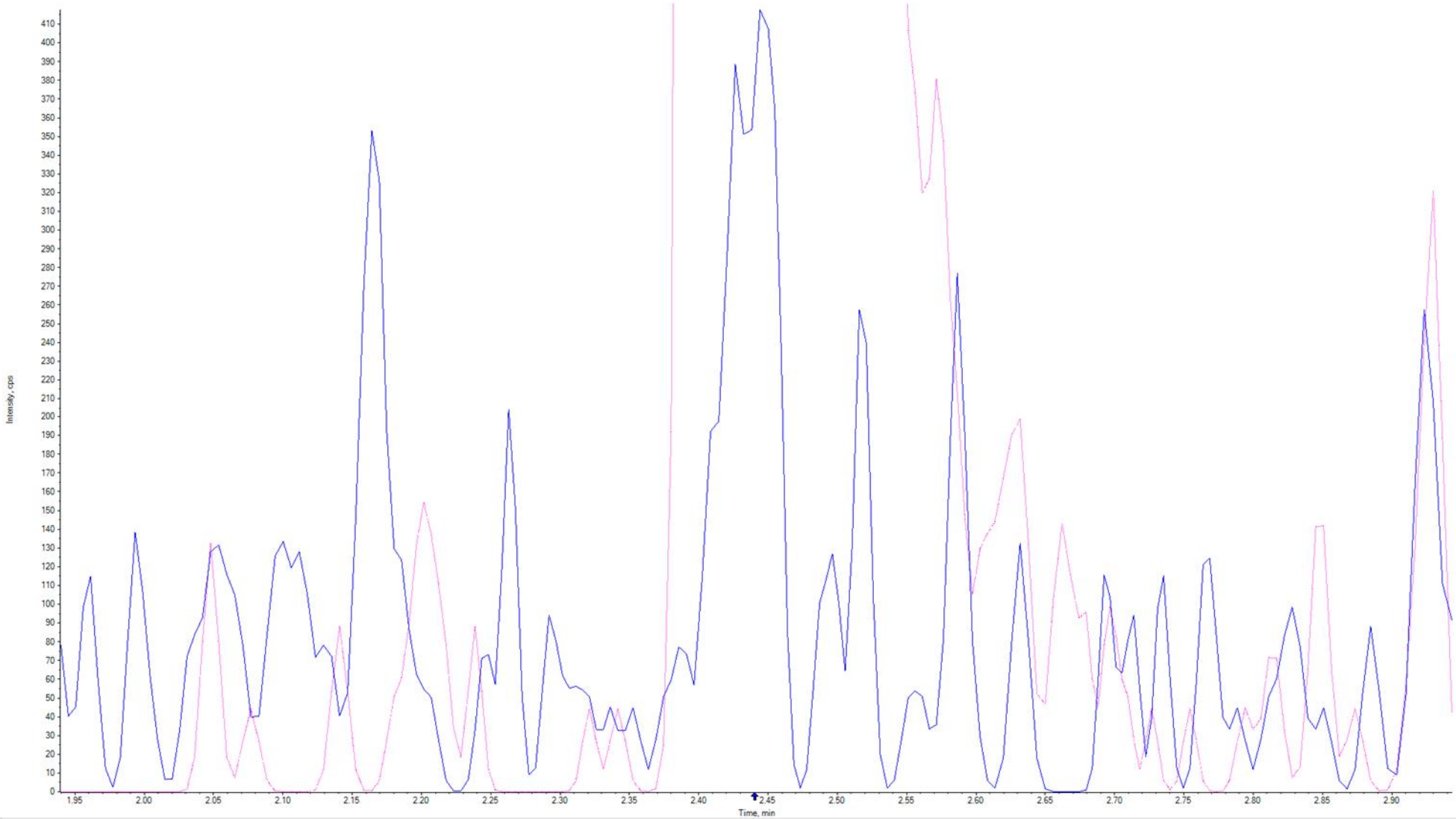

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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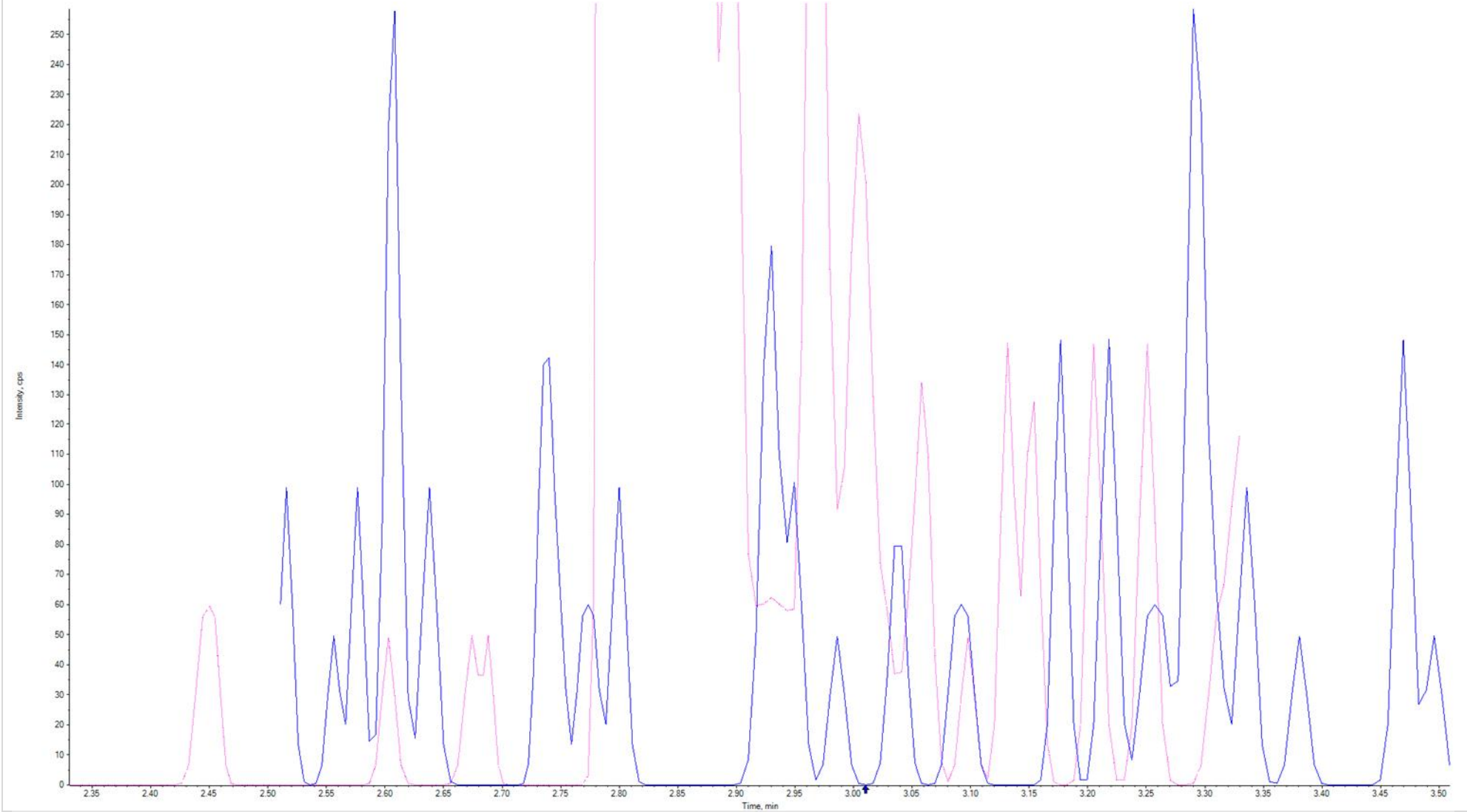
ADONA
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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ADONA_2
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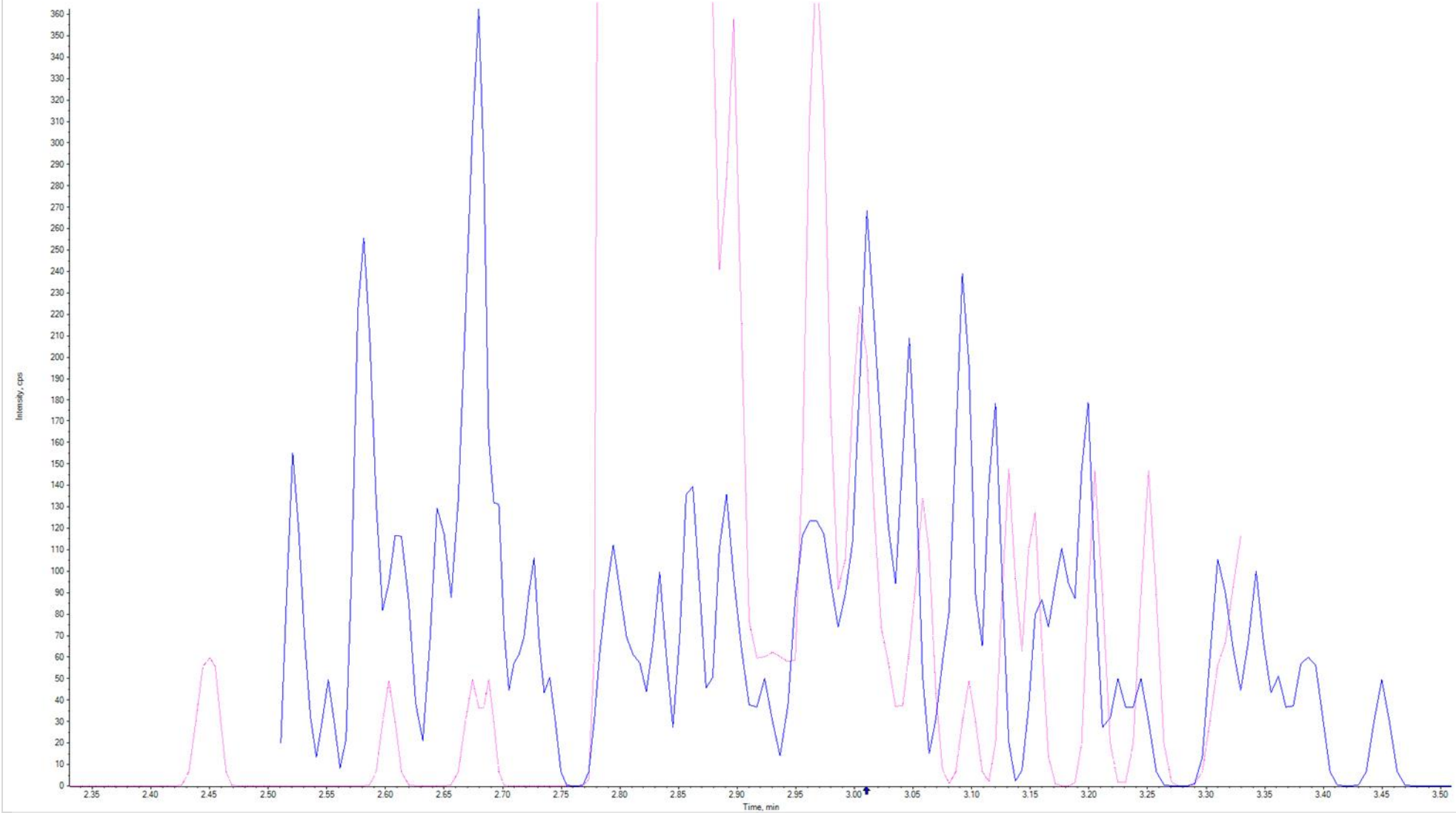
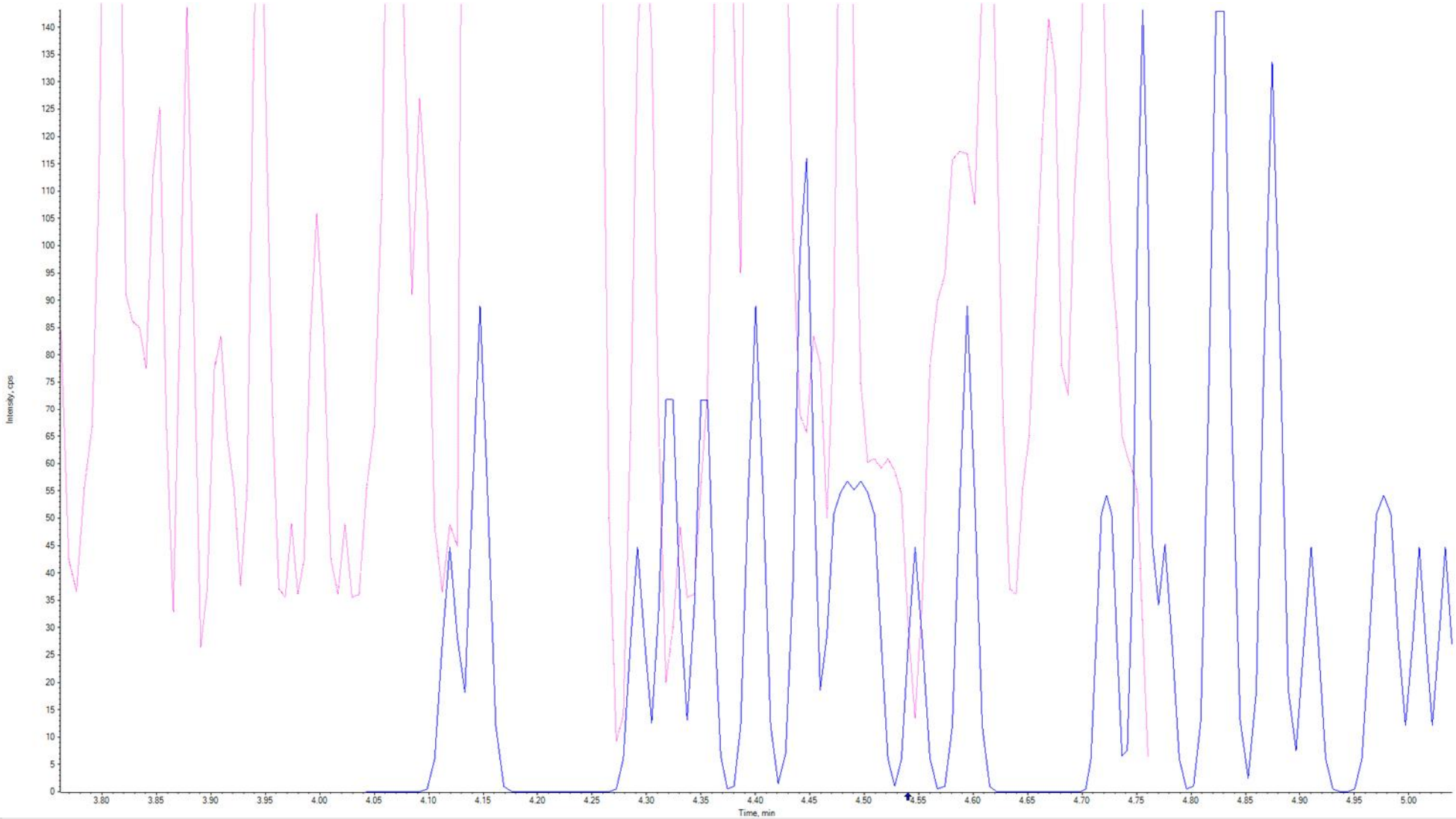


9Cl-PF3ONS
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



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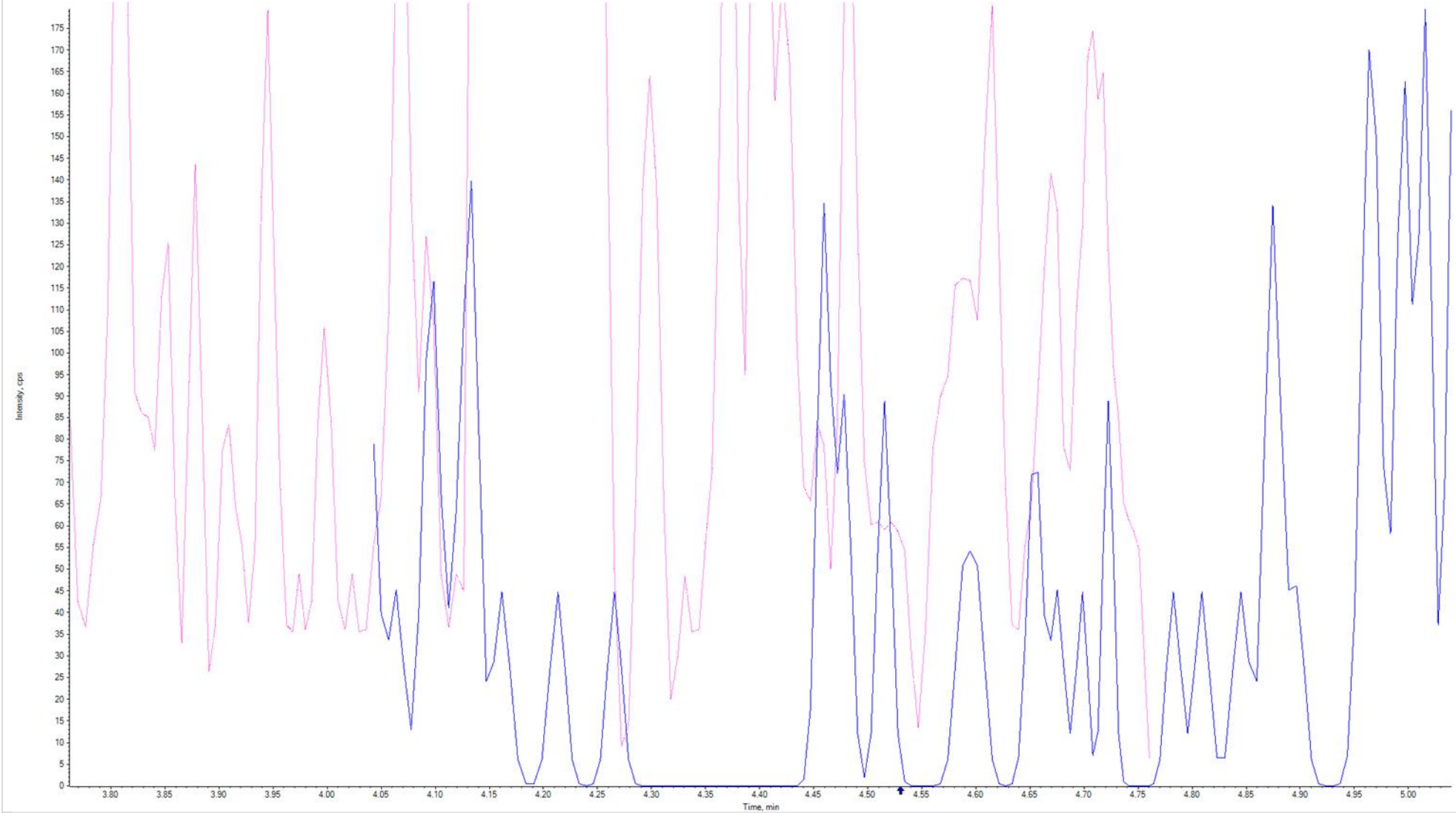
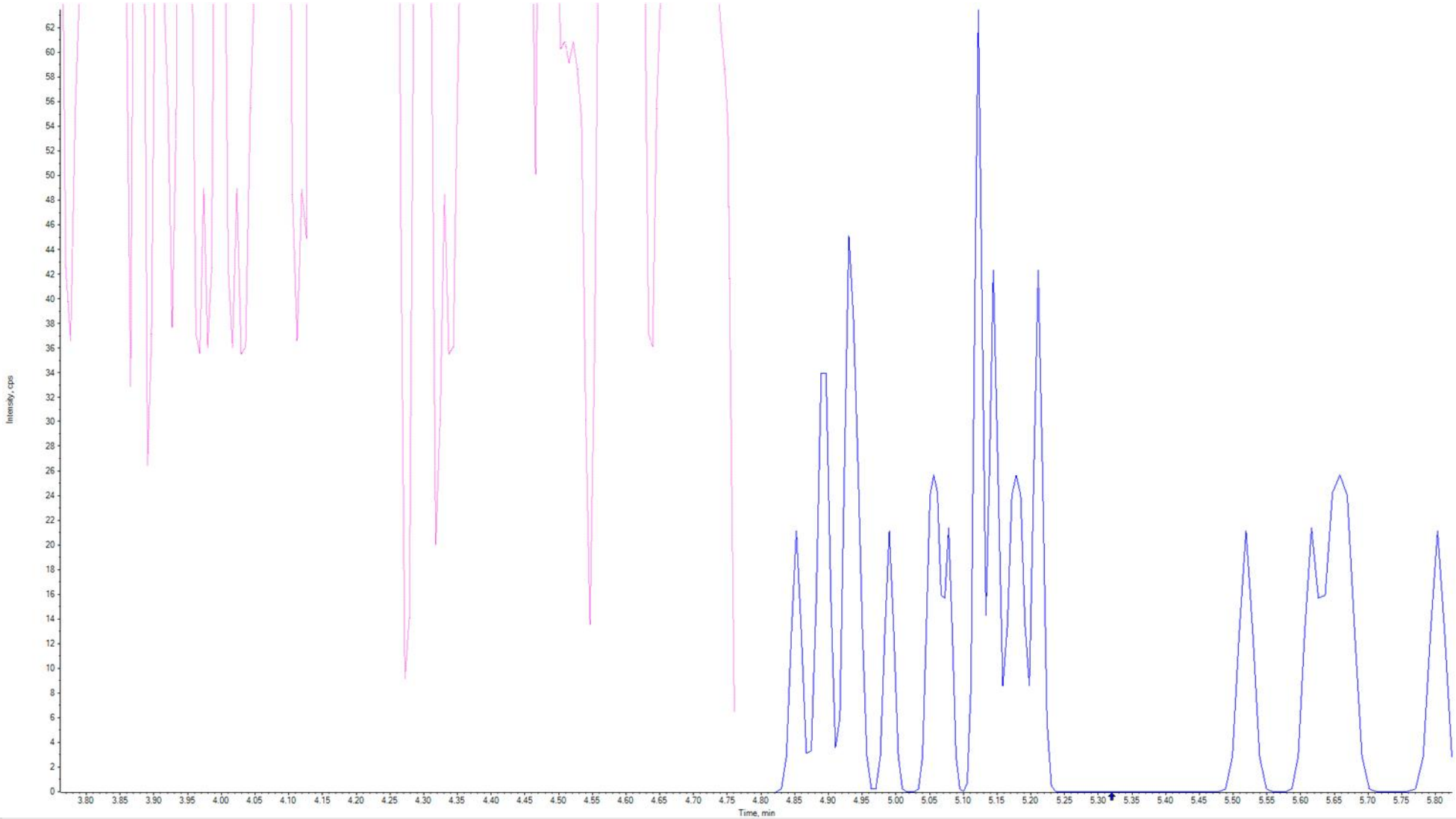
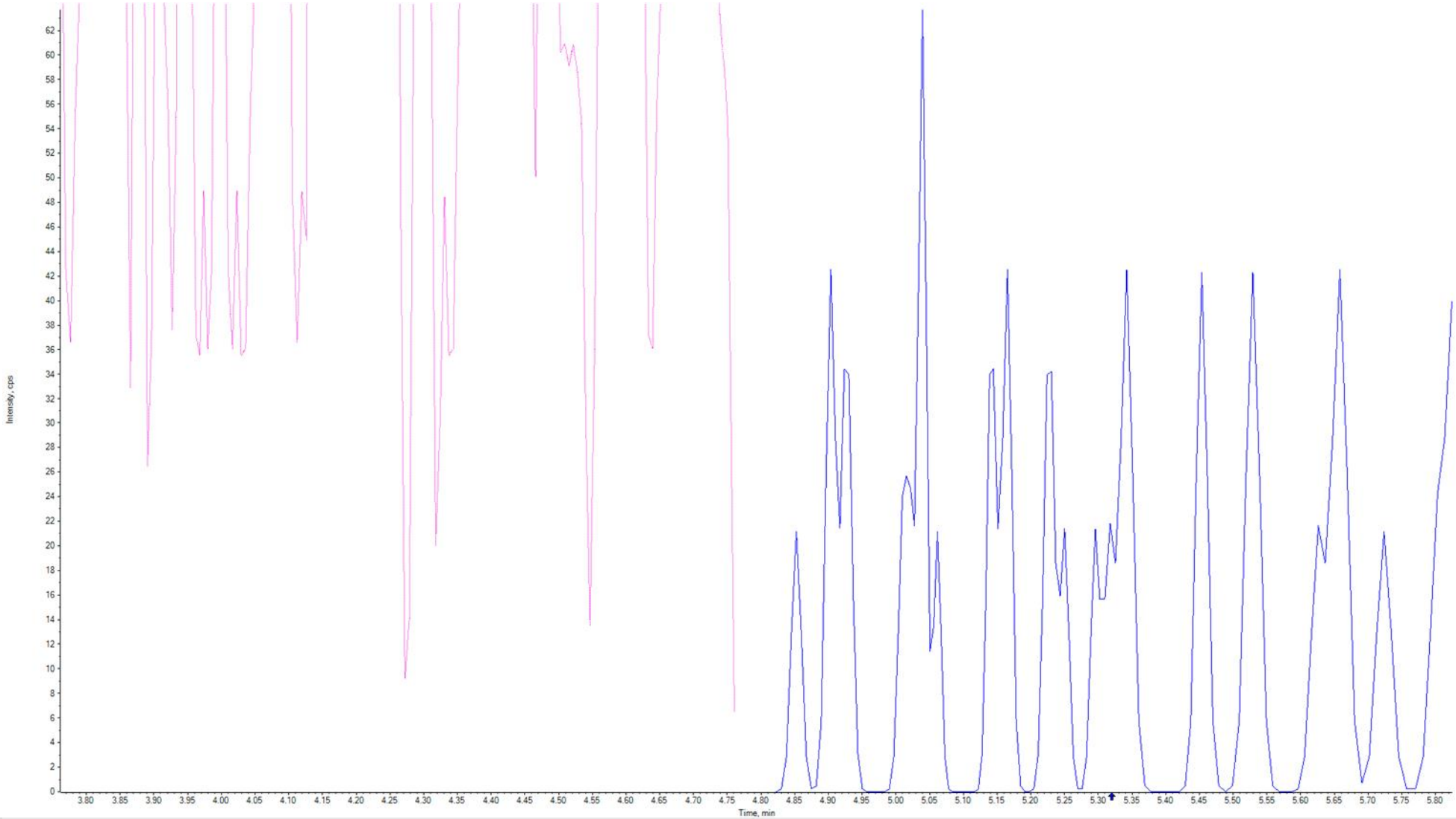


11Cl-PF3OUdS
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



11Cl-PF3OUdS_2
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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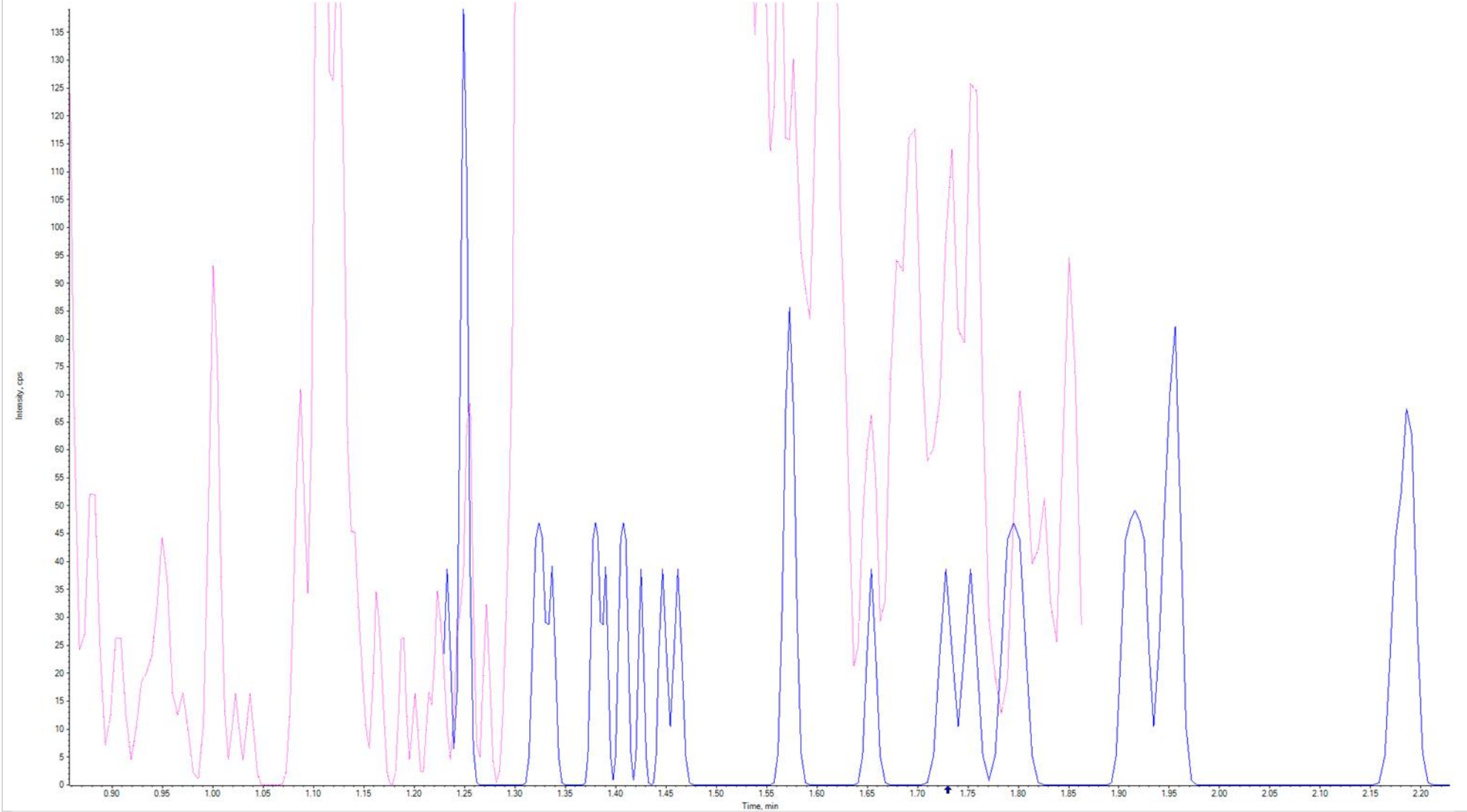
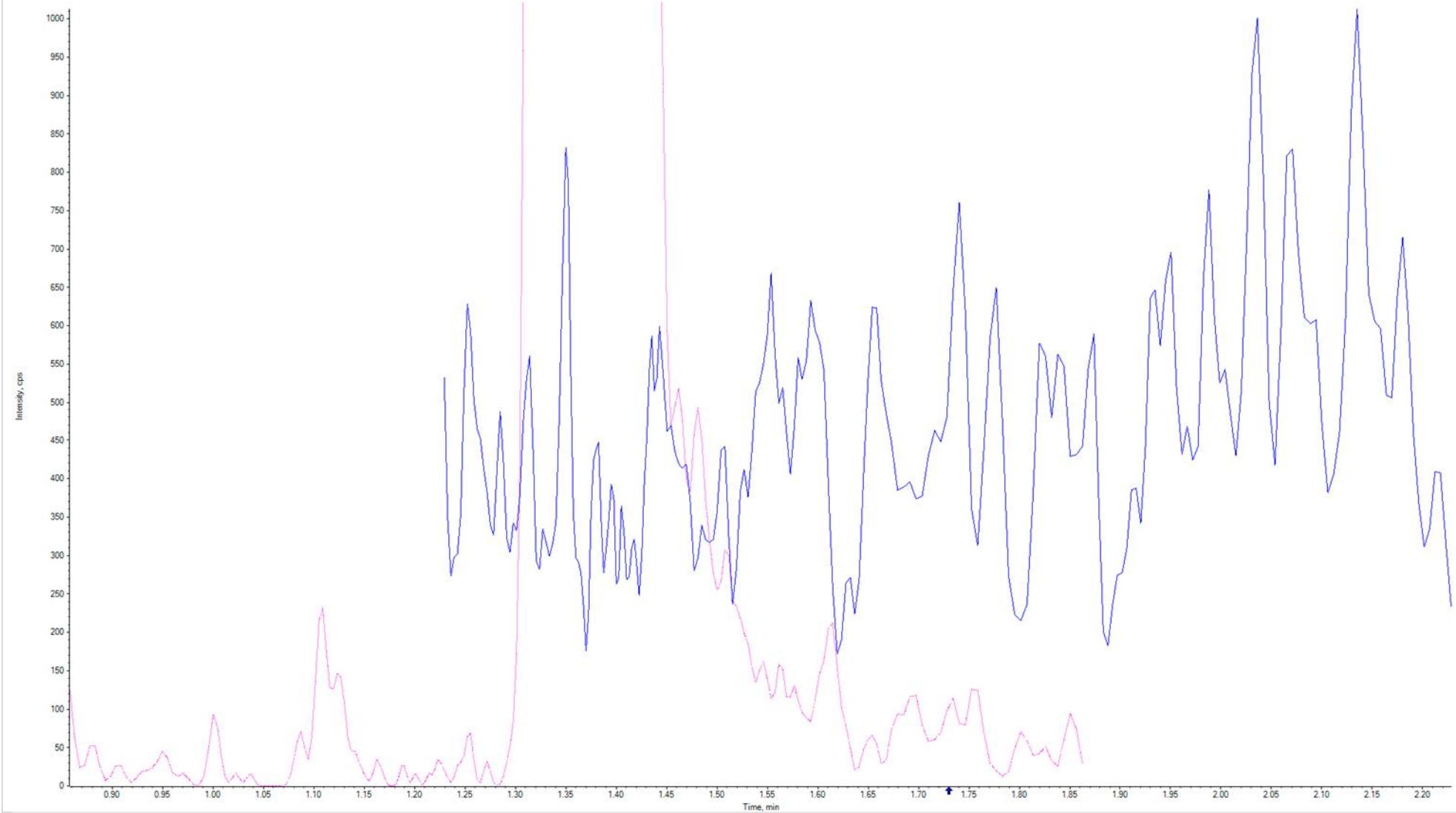
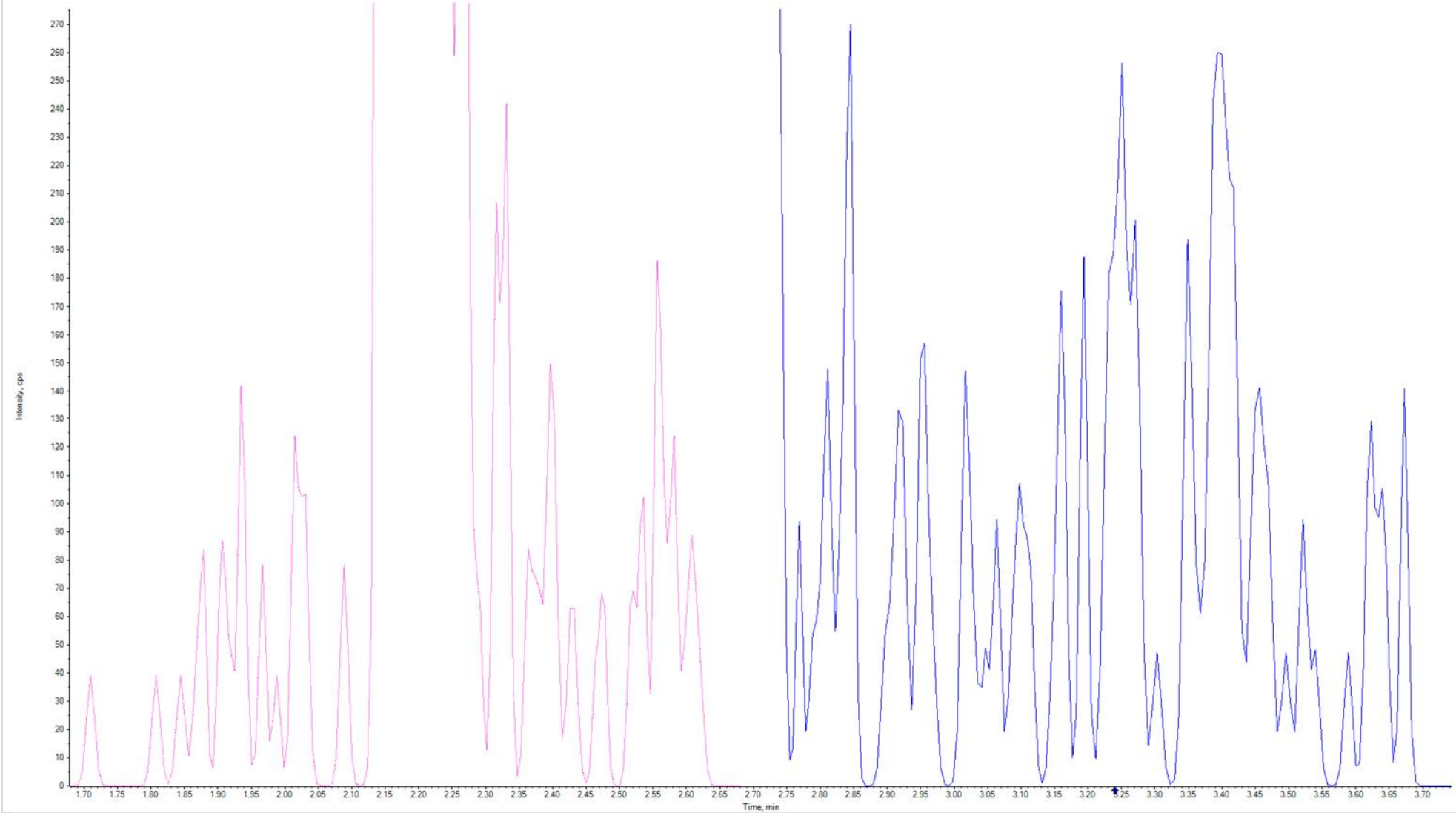
3:3FTCA
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



3:3FTCA_2
Sample: L2474358-01 S/N:N/A Points Across peak:N/A

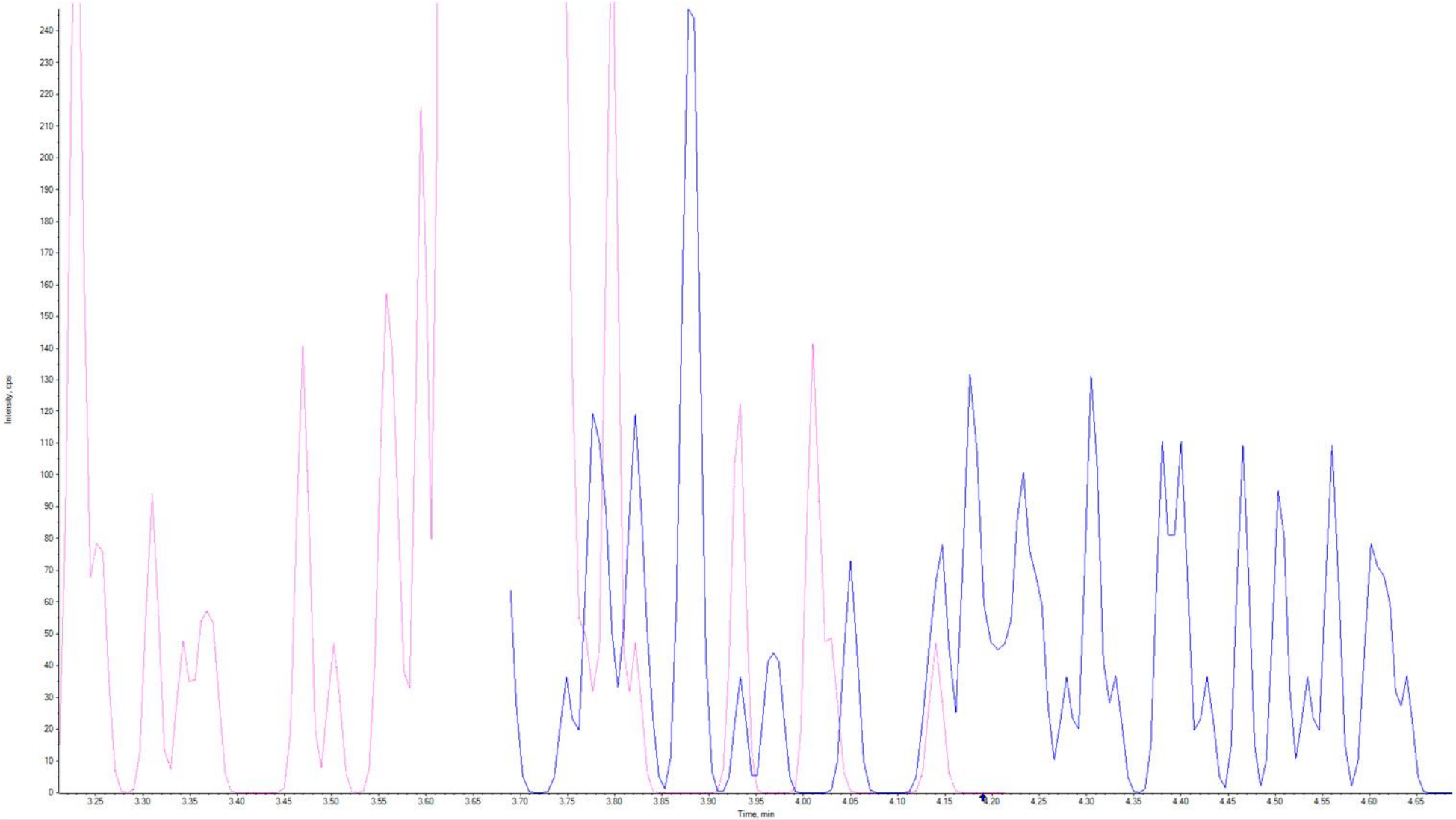


5:3FTCA
Sample: L2474358-01 S/N:N/A Points Across peak:N/A

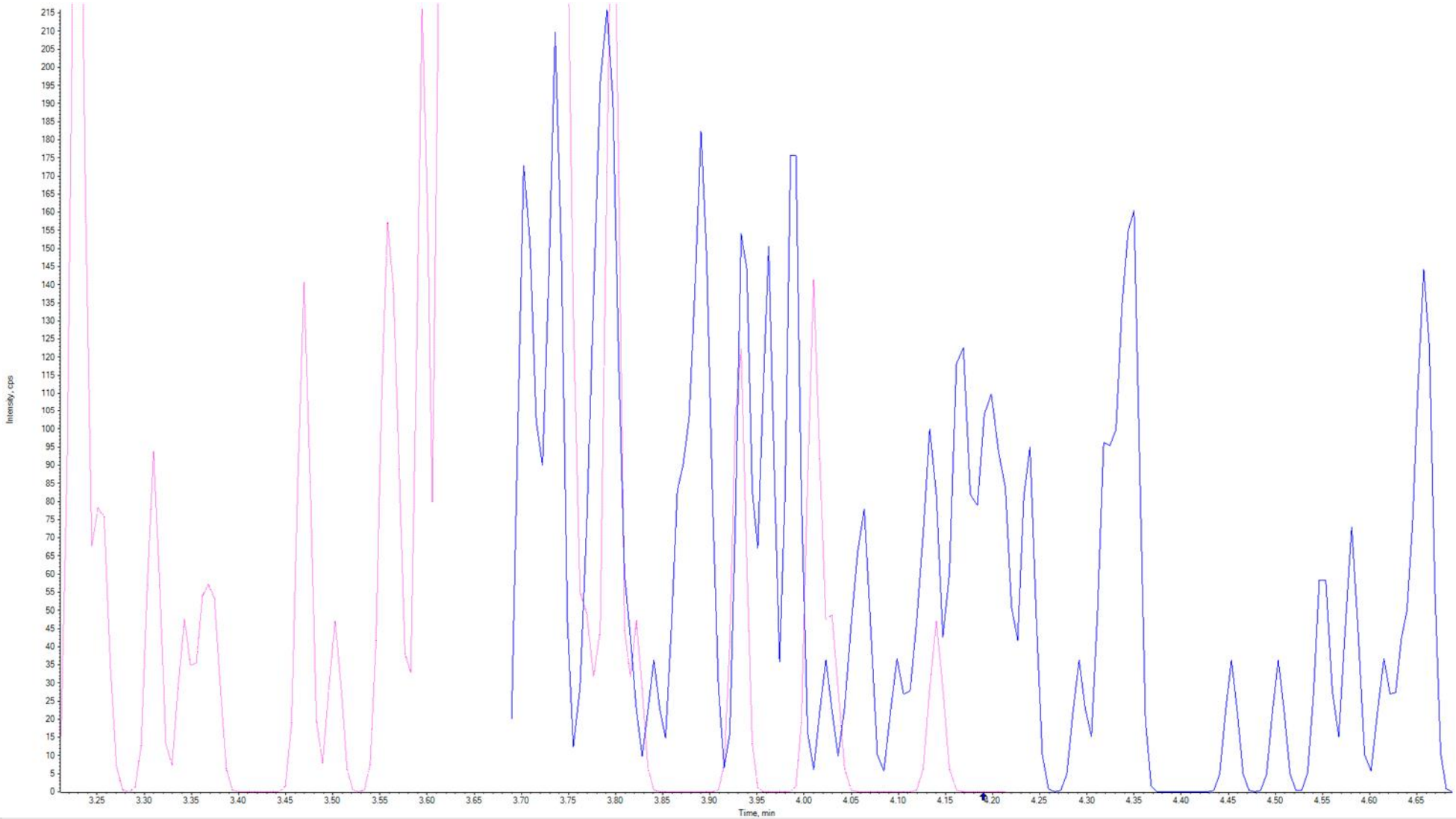


5:3FTCA_2
Sample: L2474358-01 S/N:N/A Points Across peak:N/A

7:3FTCA
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



7:3FTCA_2
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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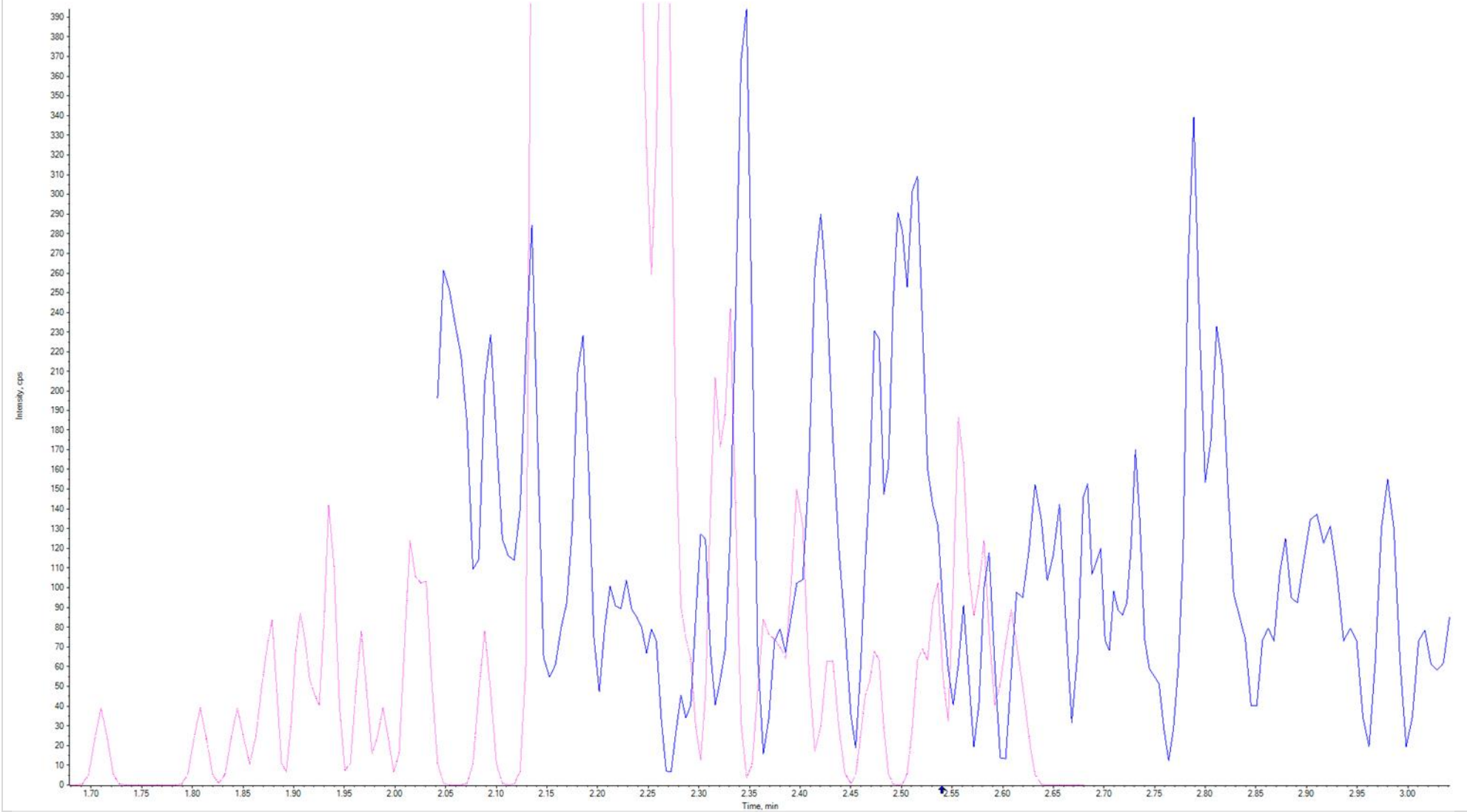
PFEESA
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFEESA_2
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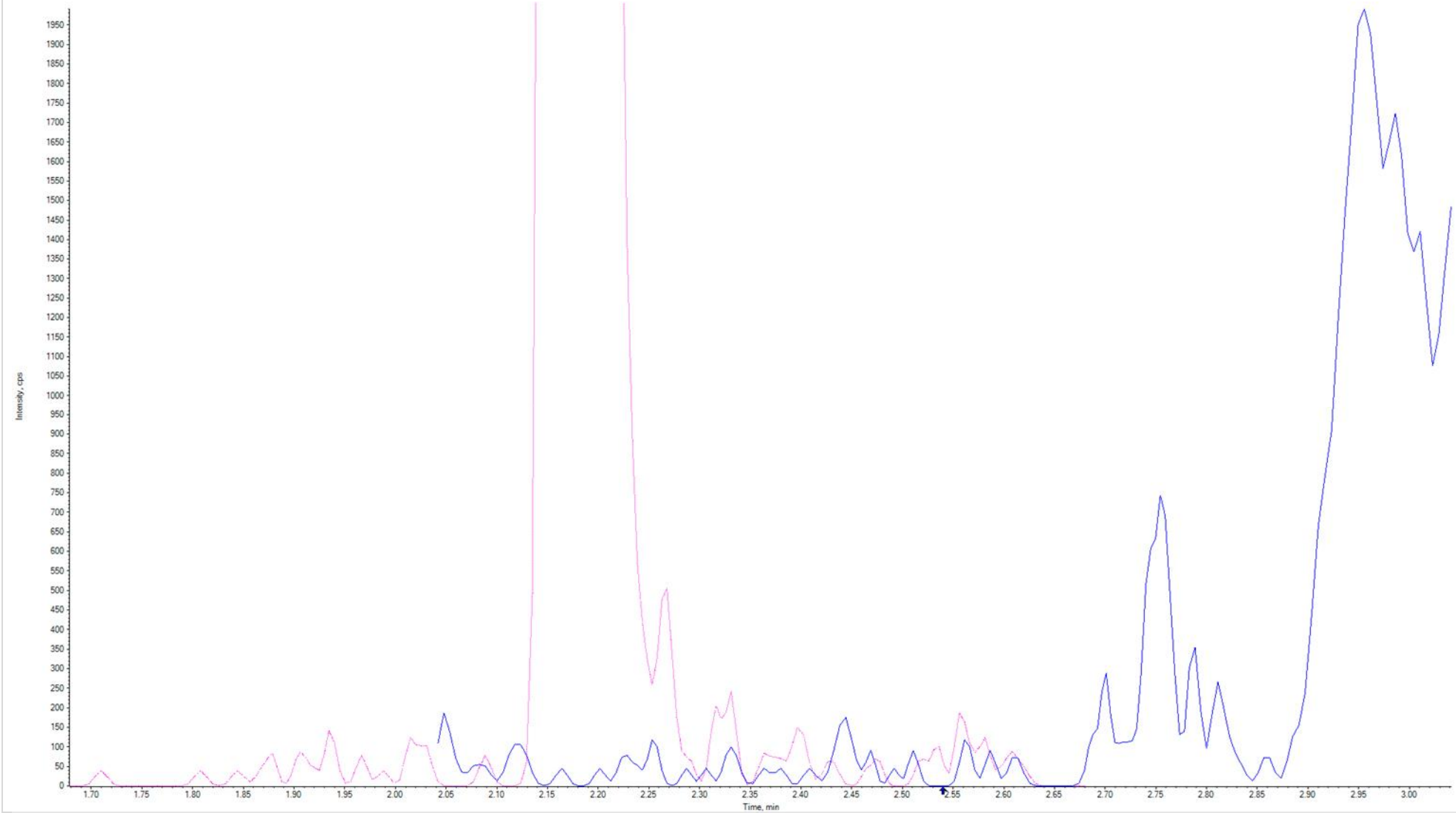

PFMPA
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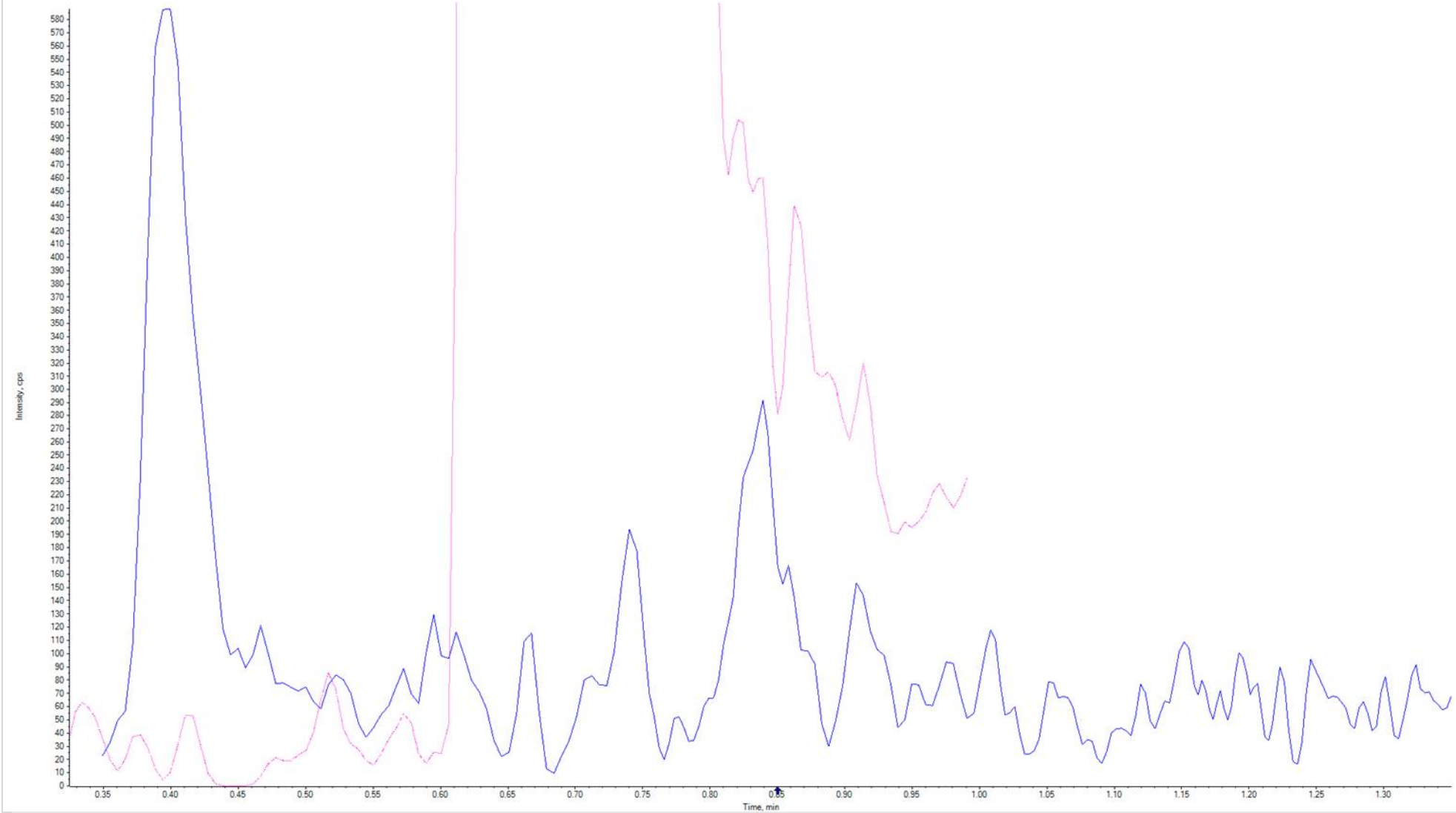
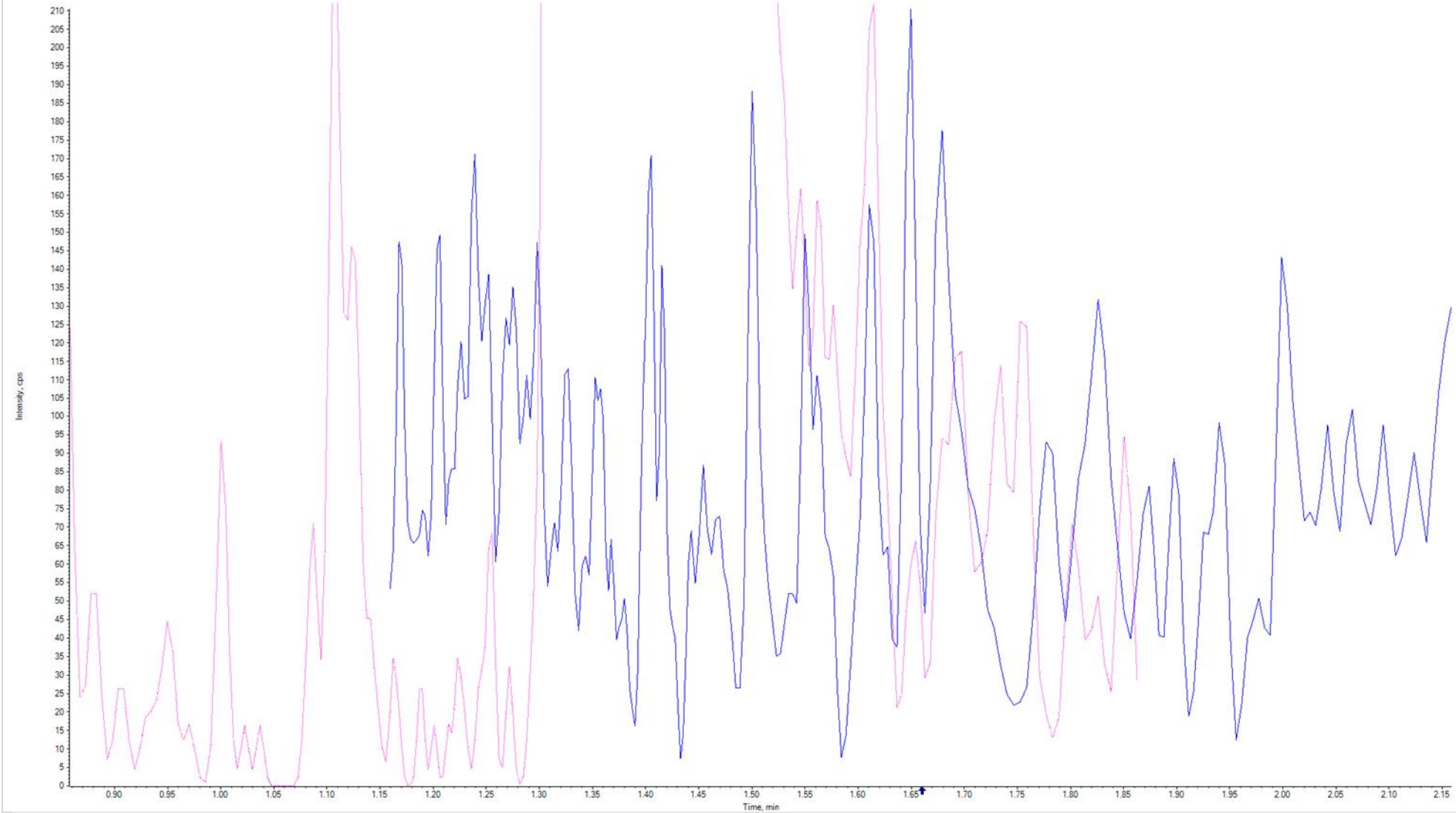
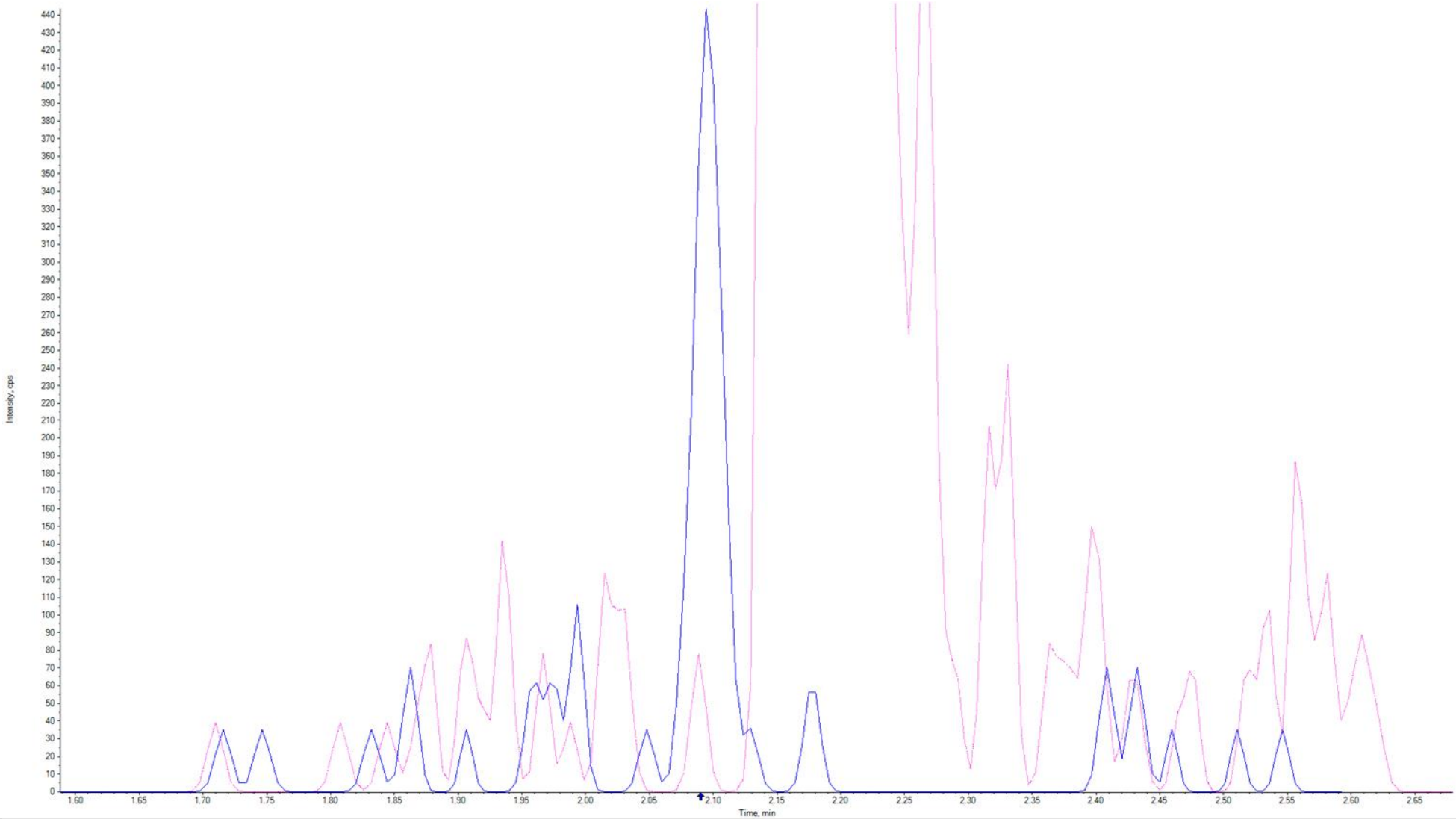


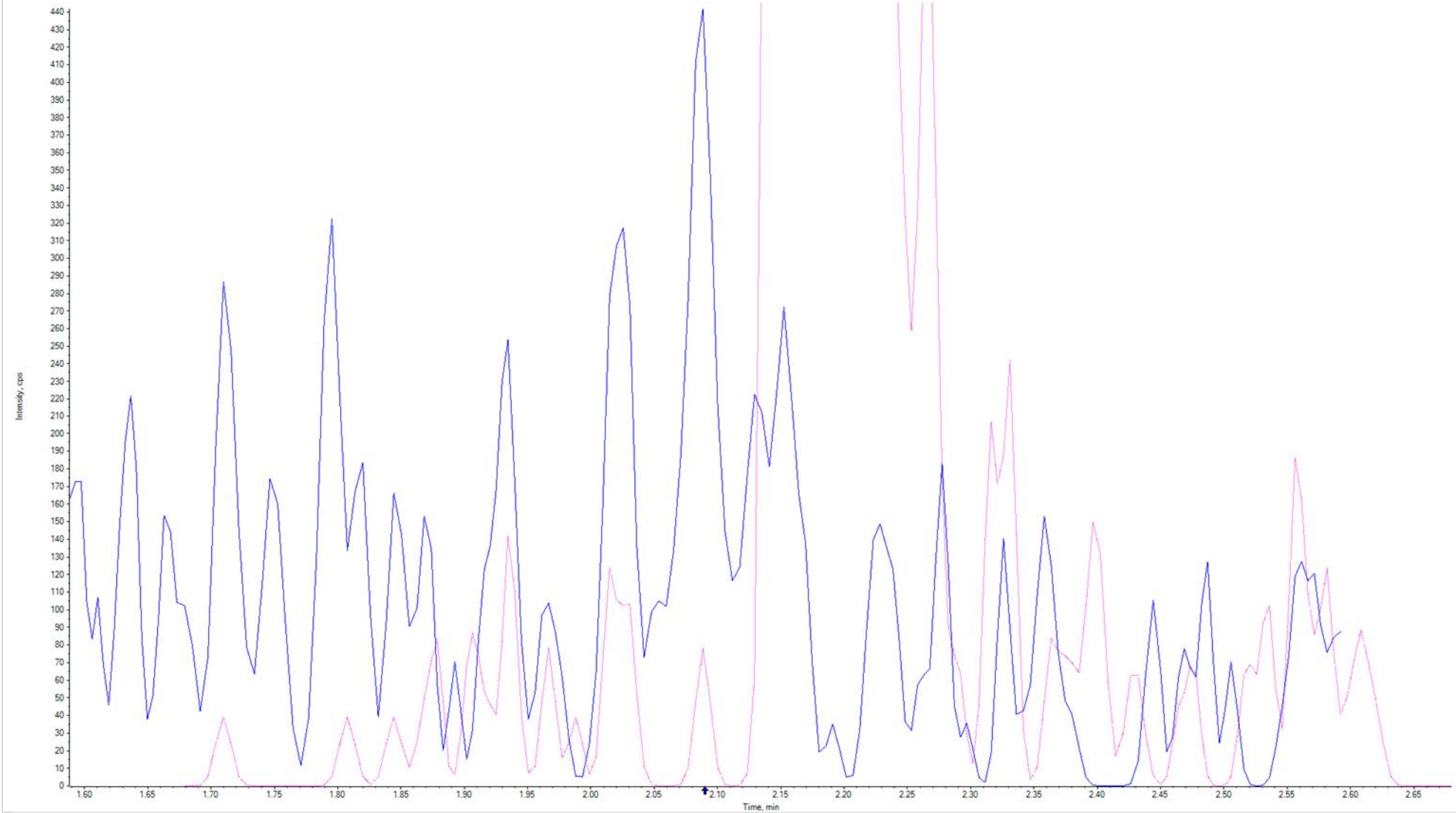
PFMBA
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



NFDHA
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



NFDHA_2
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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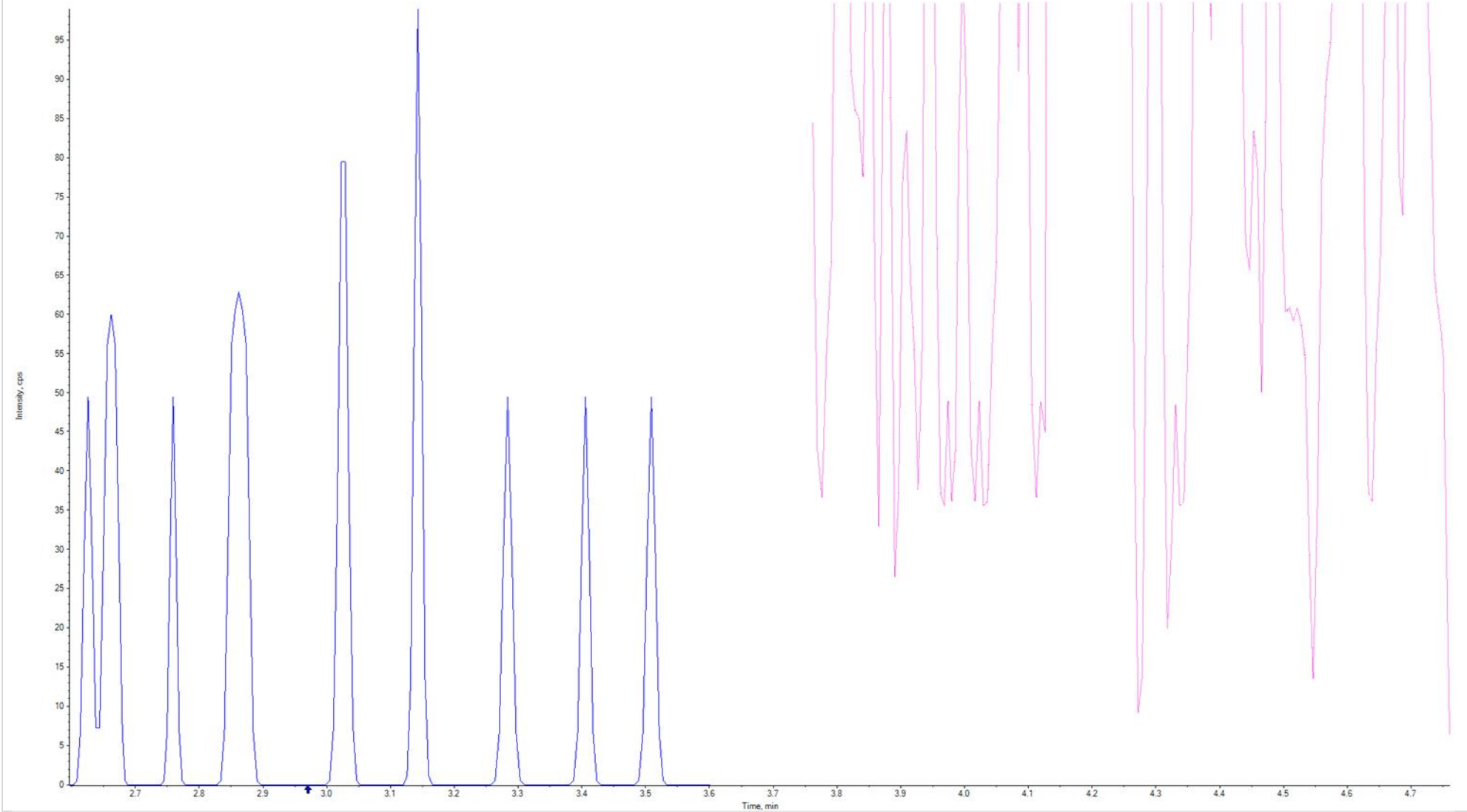
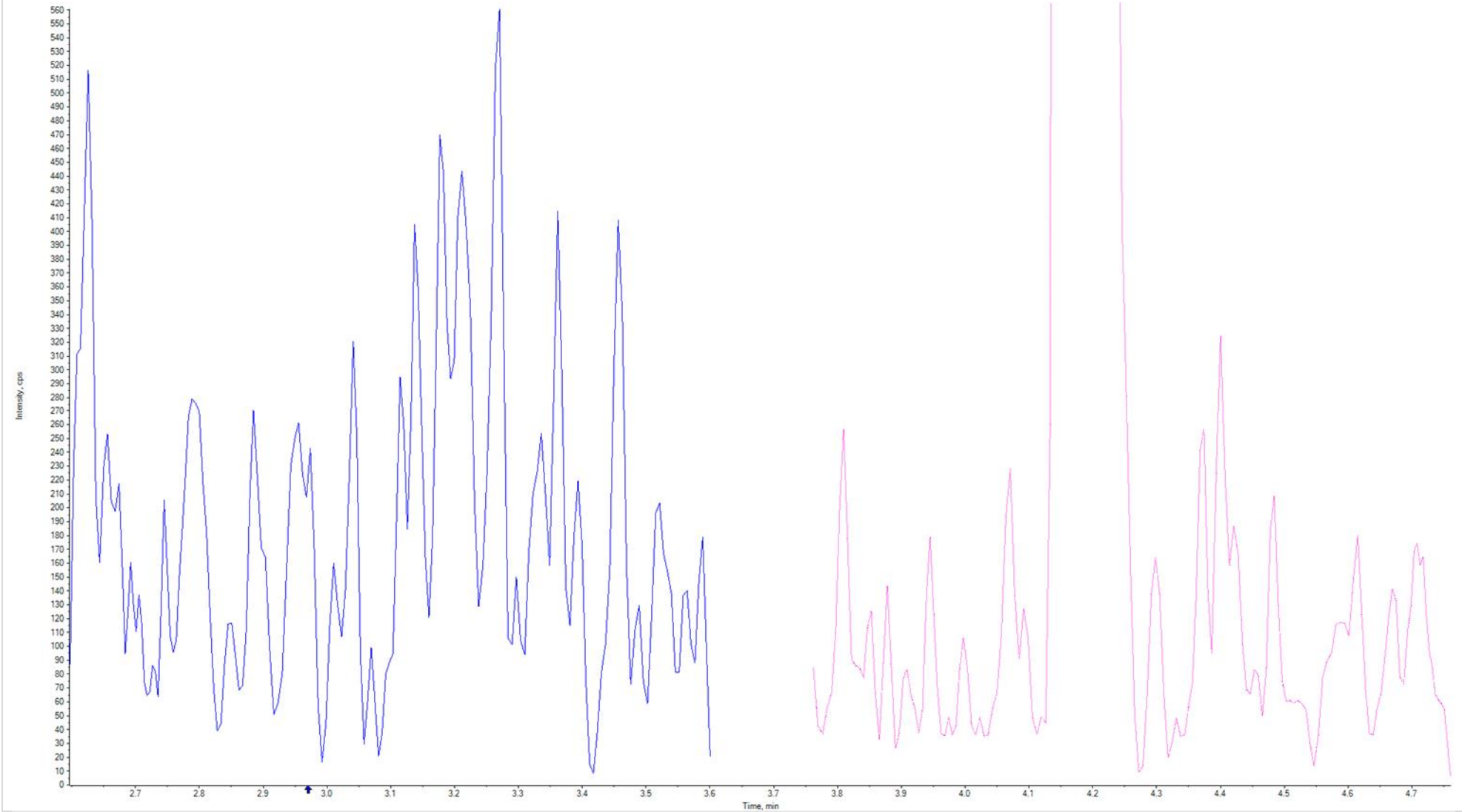
TDCA
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



TDCA_2
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 4:19:28 AM
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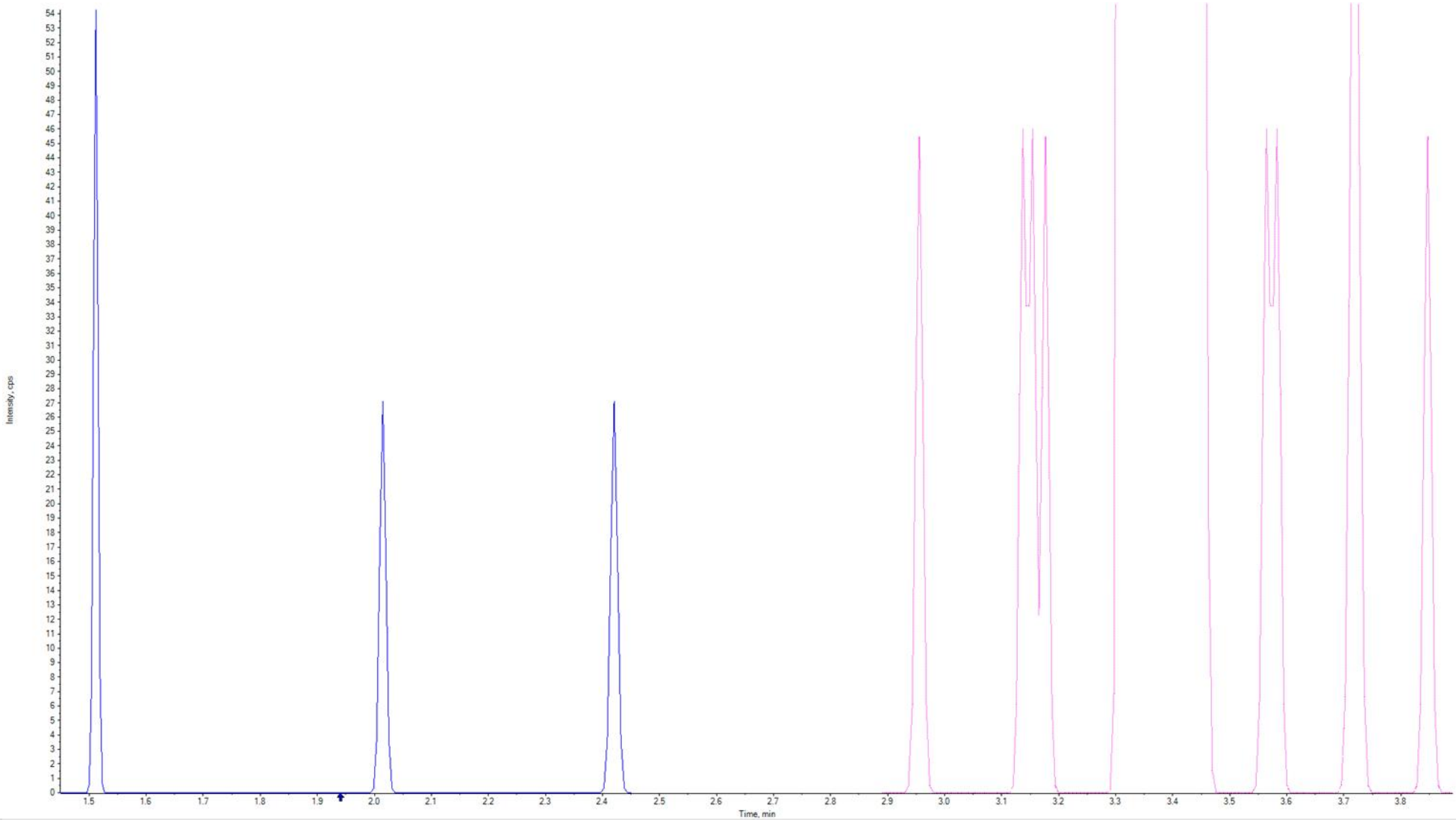
13C2D4-4:2FTS
Sample: L2474358-01 S/N:N/A Points Across peak:N/A



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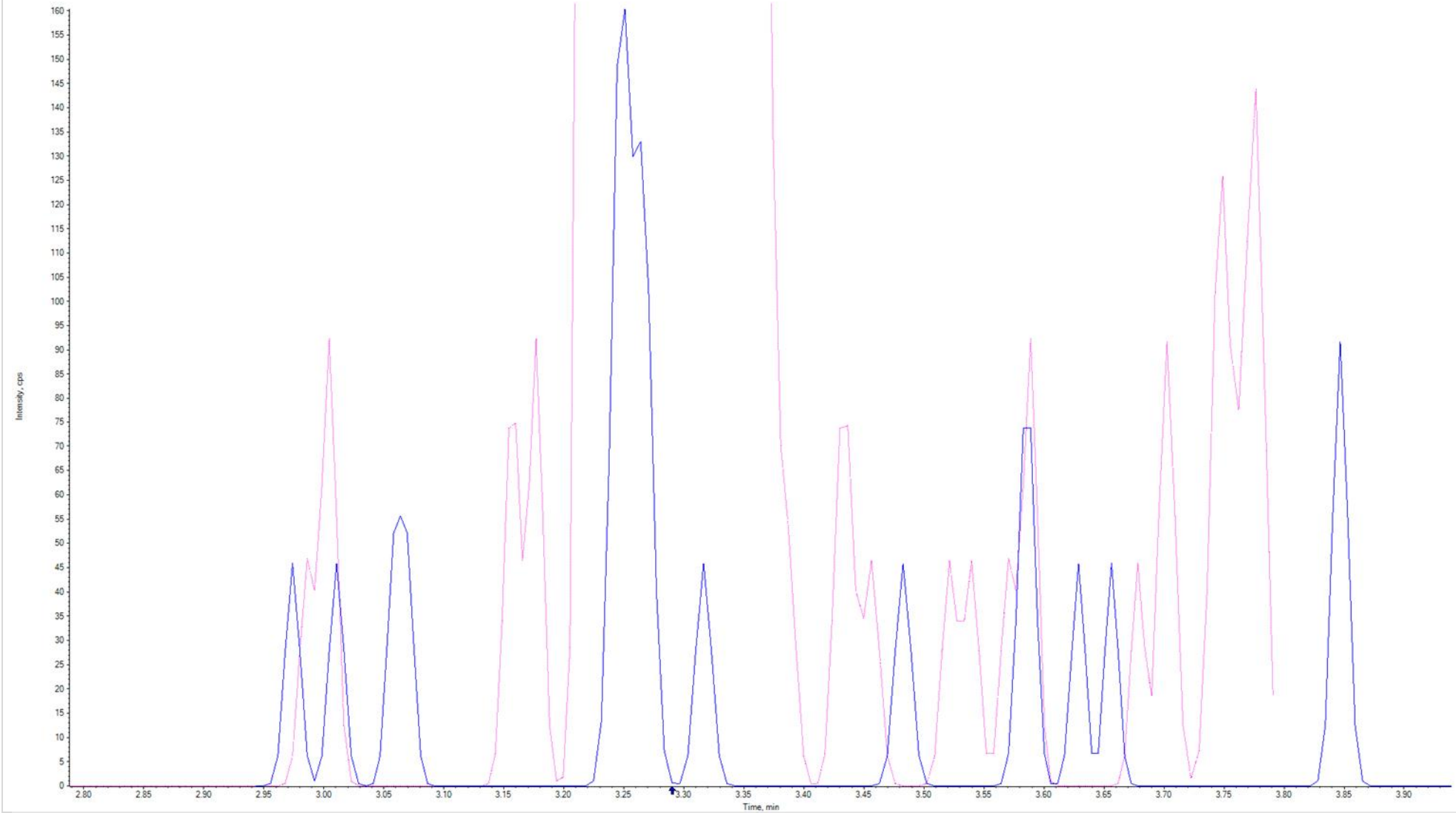
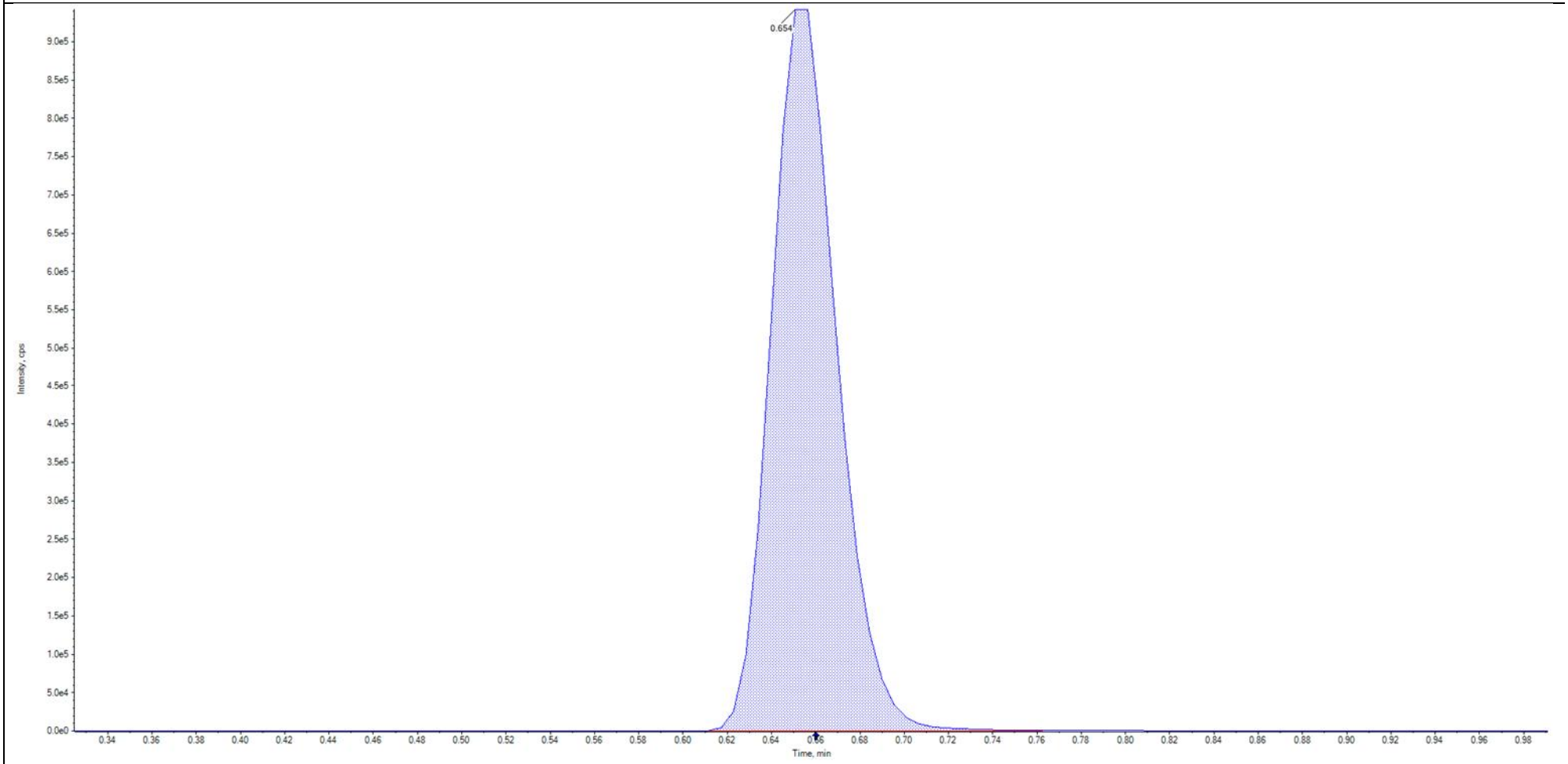


13C4-PFBA
Sample: L2474358-01



13C5-PFPeA
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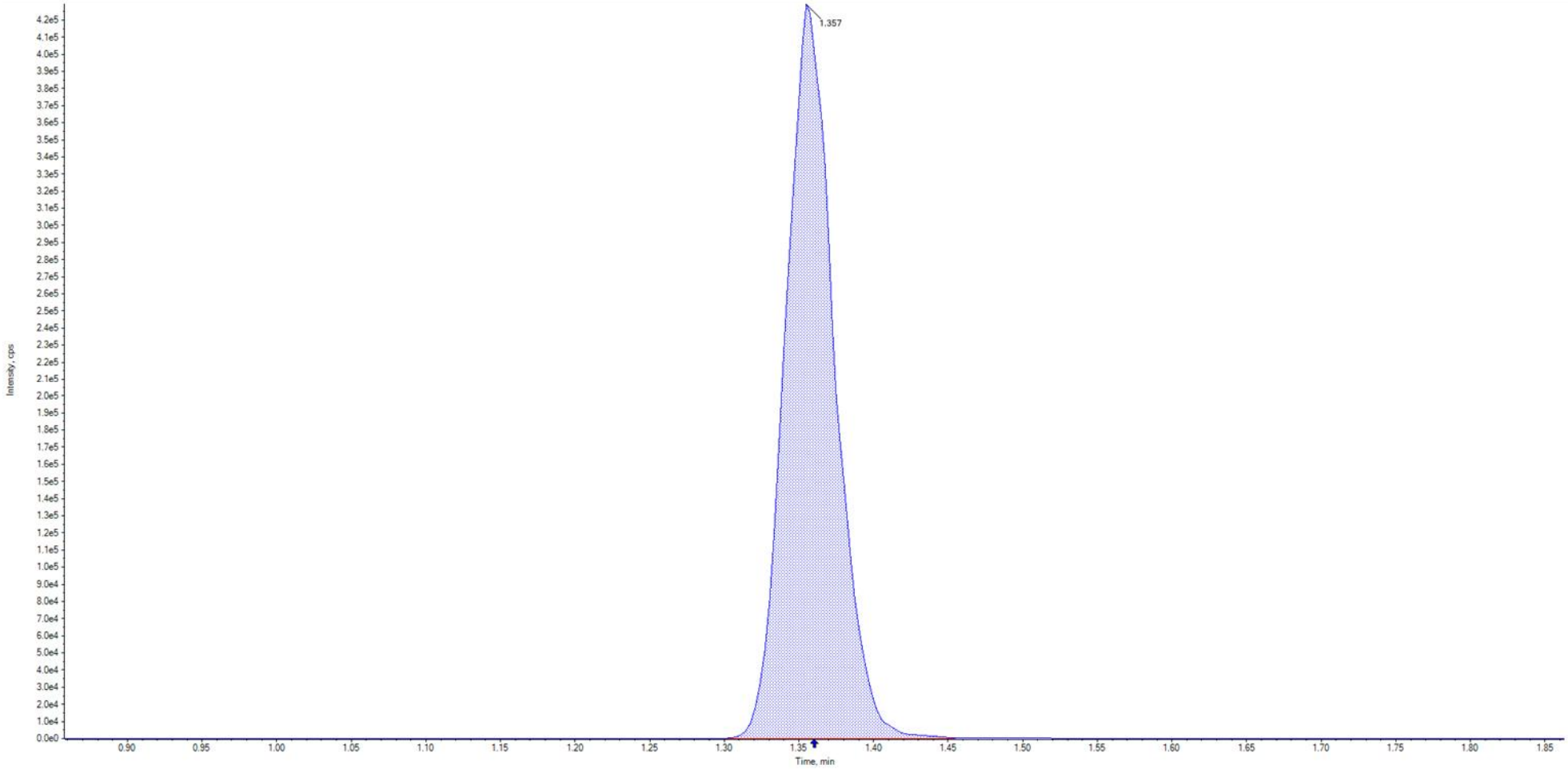

13C5-PFHxA
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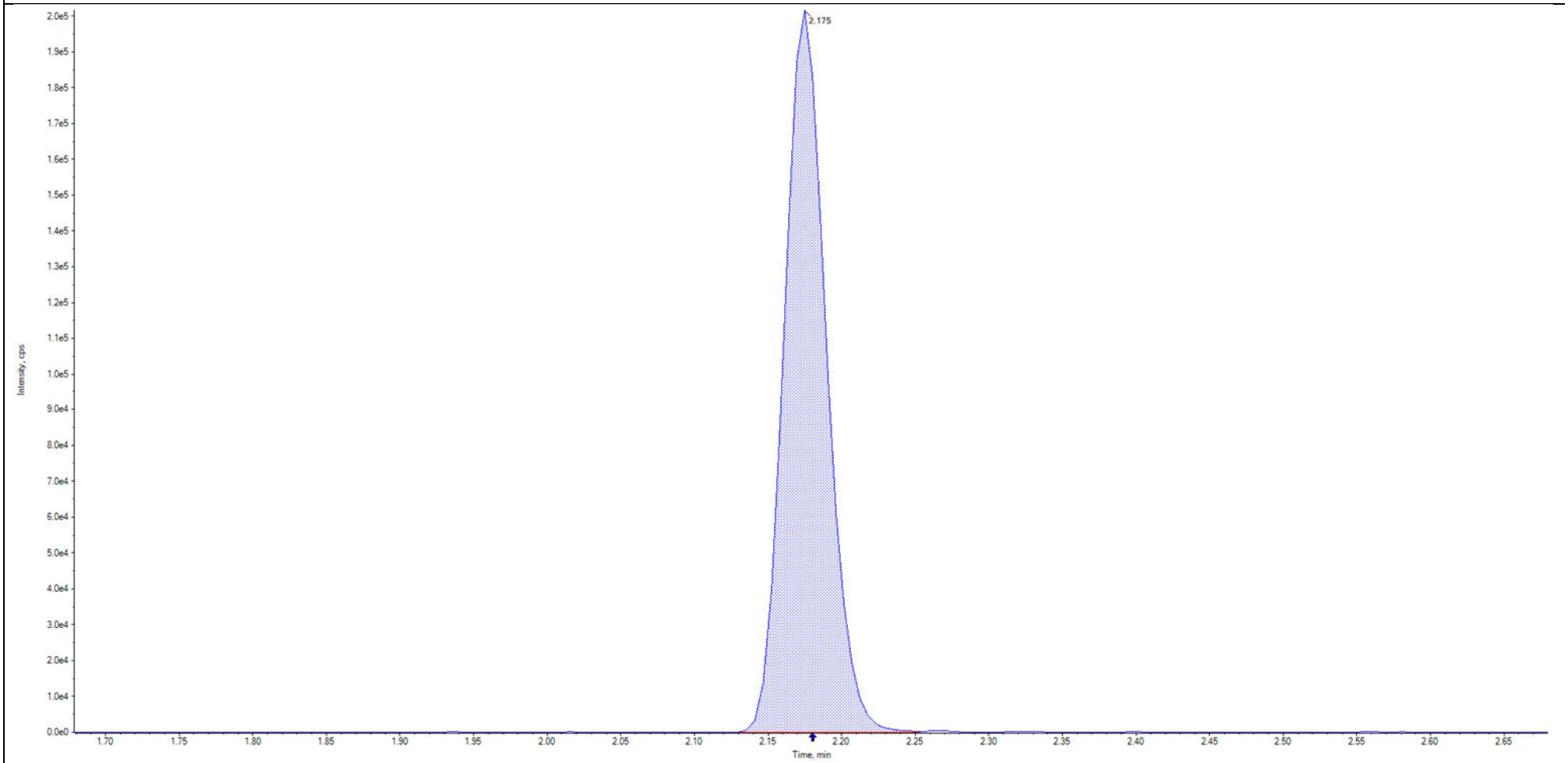

13C4-PFHpA
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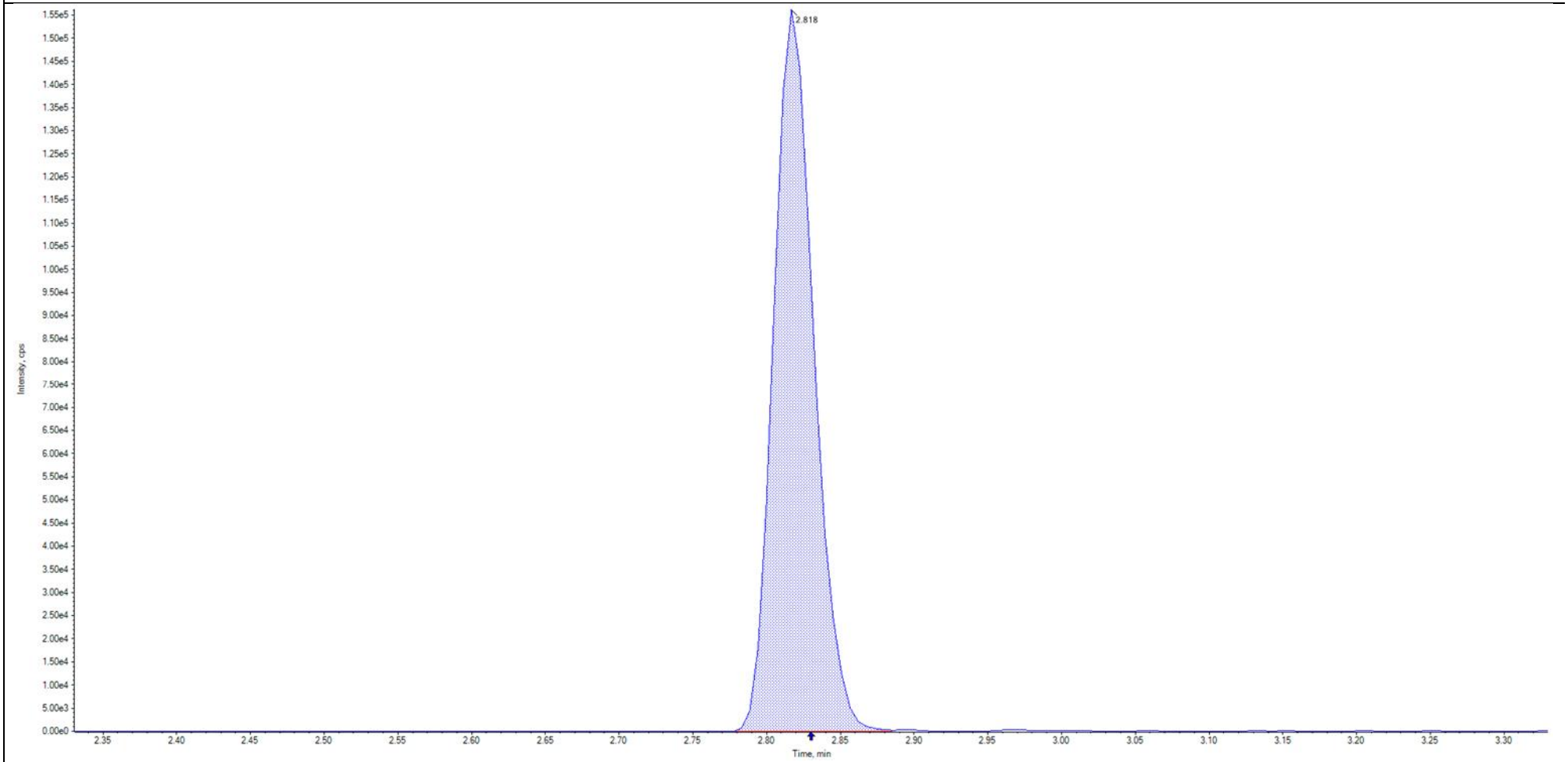

13C8-PFOA
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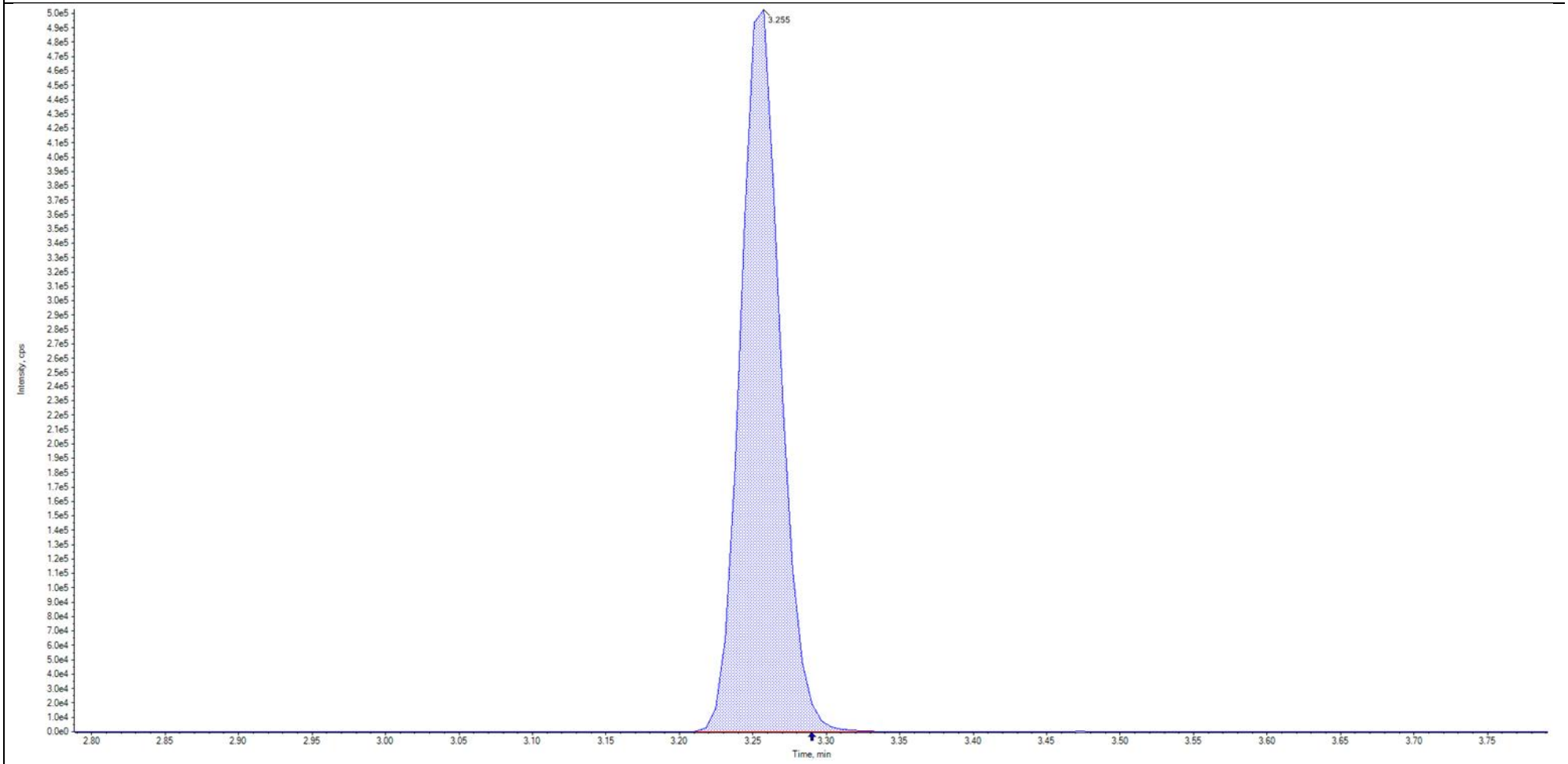
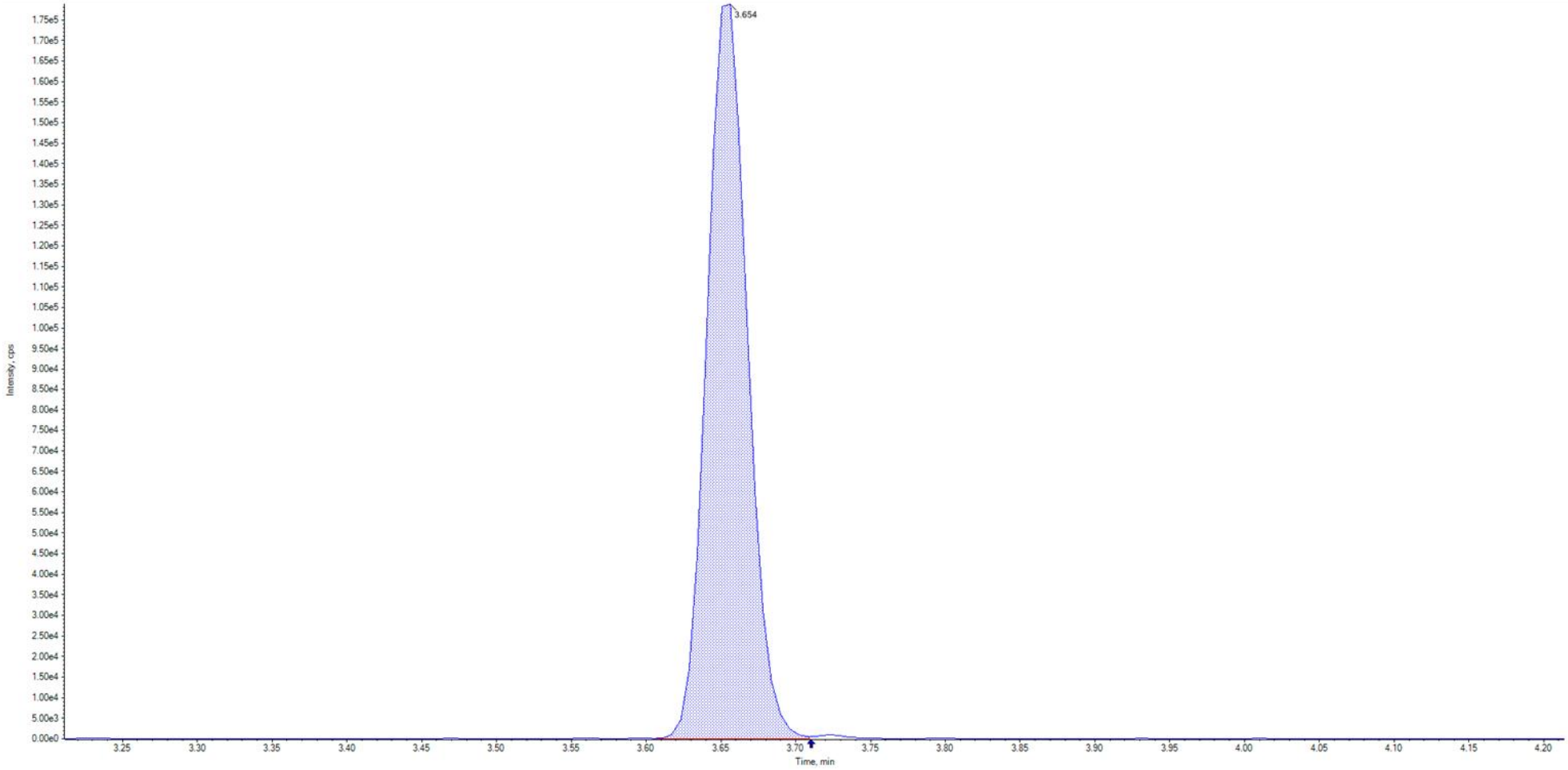
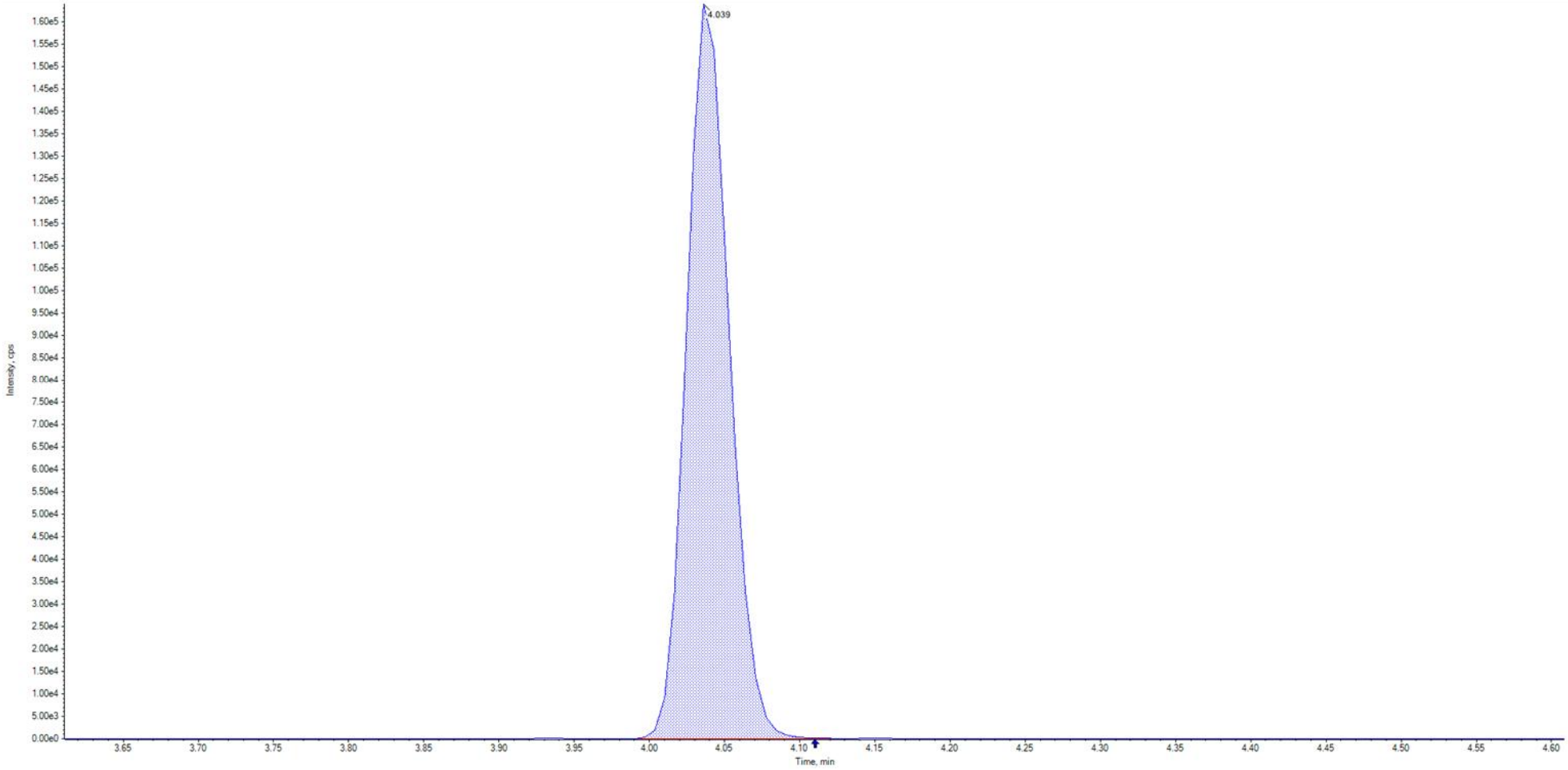


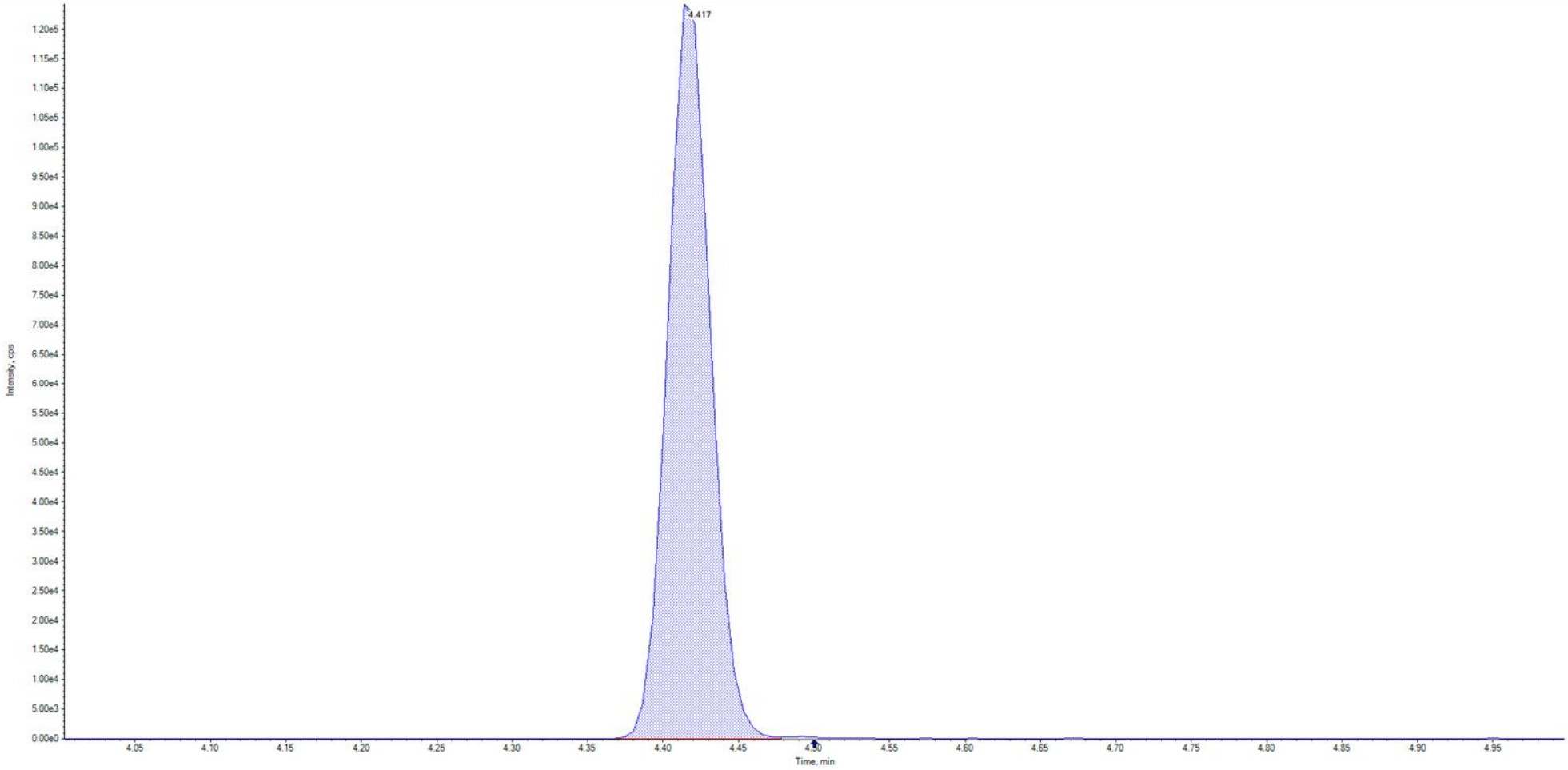
13C9-PFNA
Sample: L2474358-01



13C6-PFDA
Sample: L2474358-01



13C7-PFUnA
Sample: L2474358-01



13C2-PFDoA
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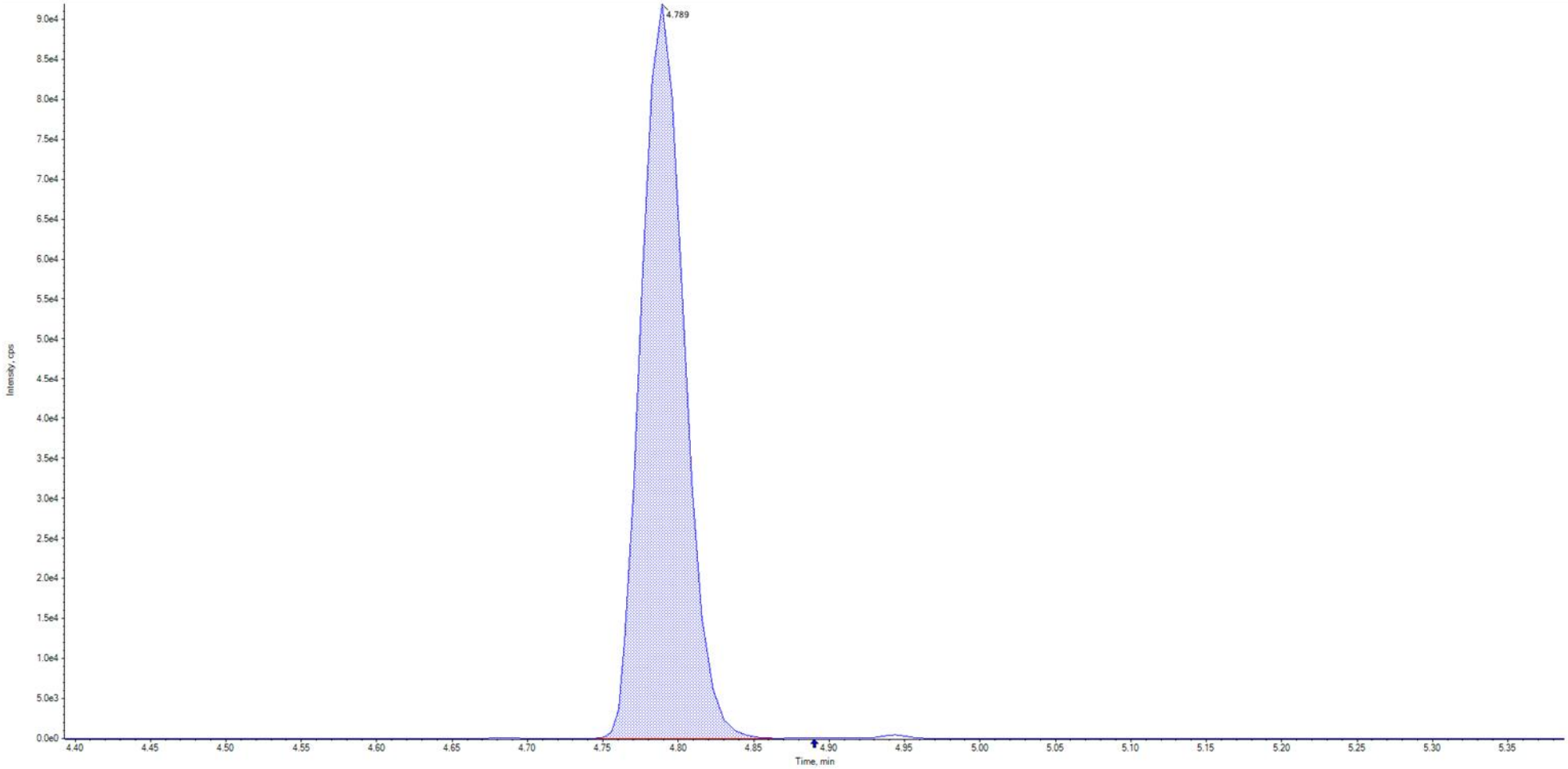
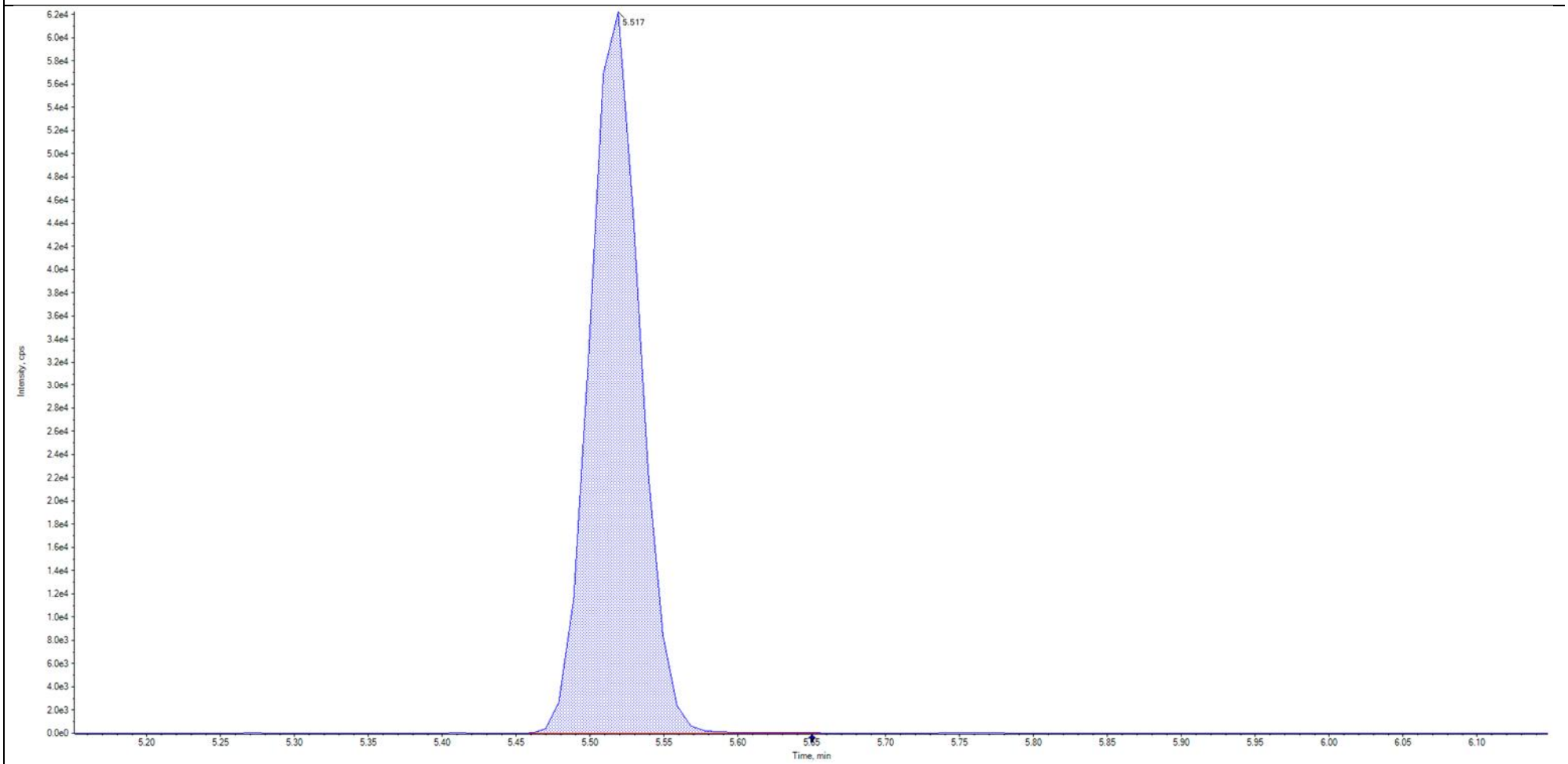
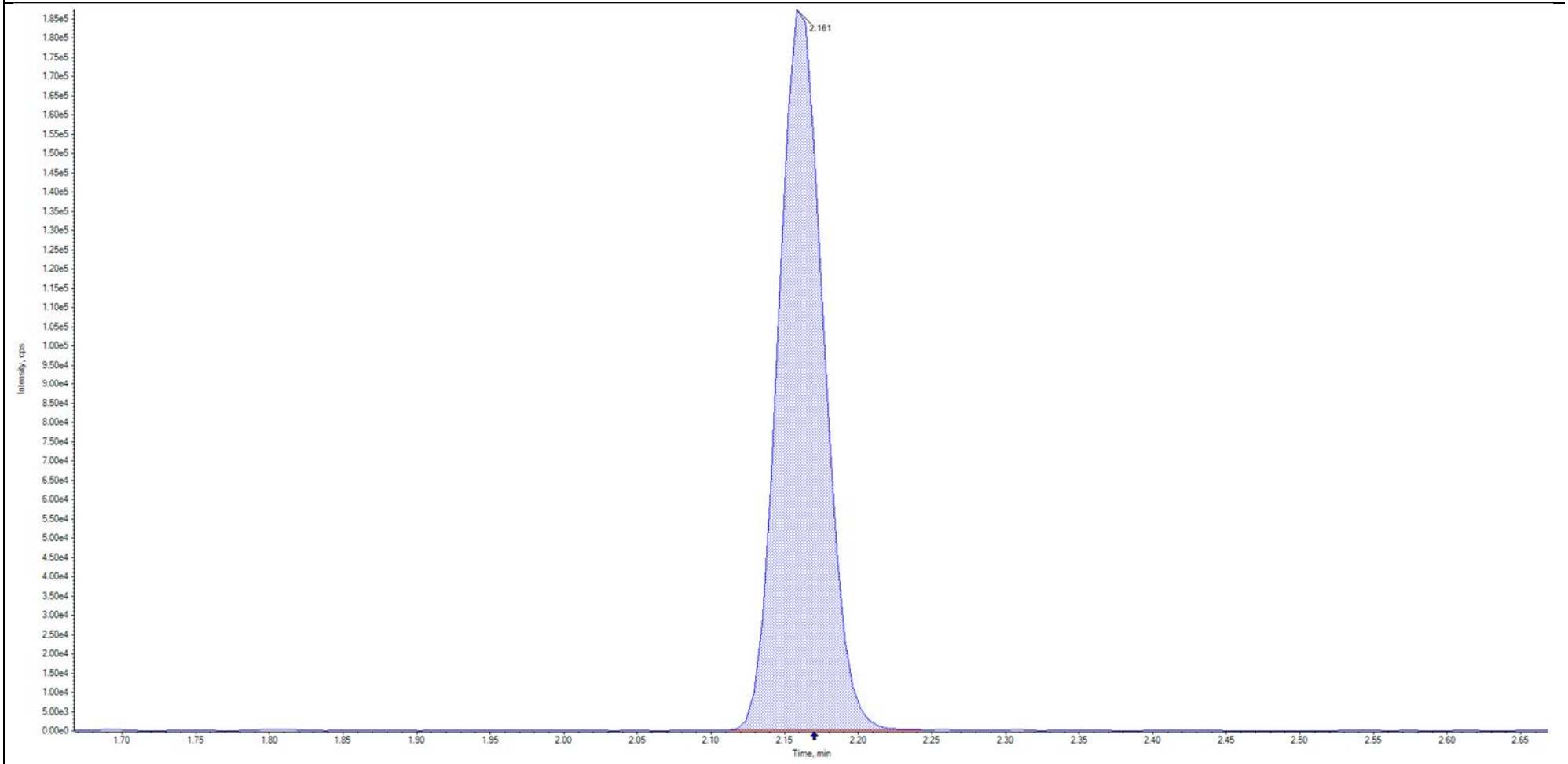


13C2-PFTeDA
Sample: L2474358-01



13C3-PFBS
Sample: L2474358-01



13C3-PFHxS
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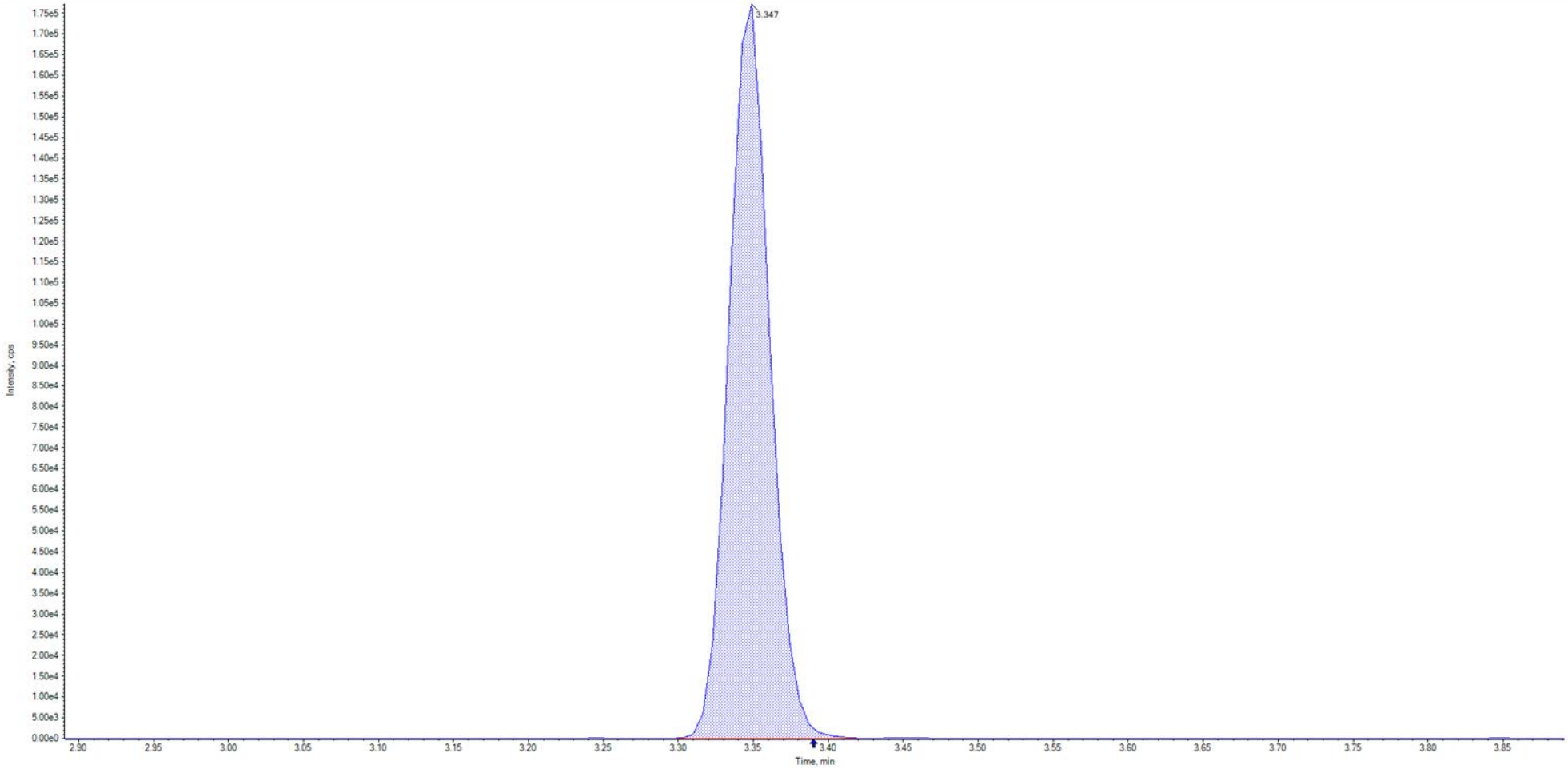

13C8-PFOS
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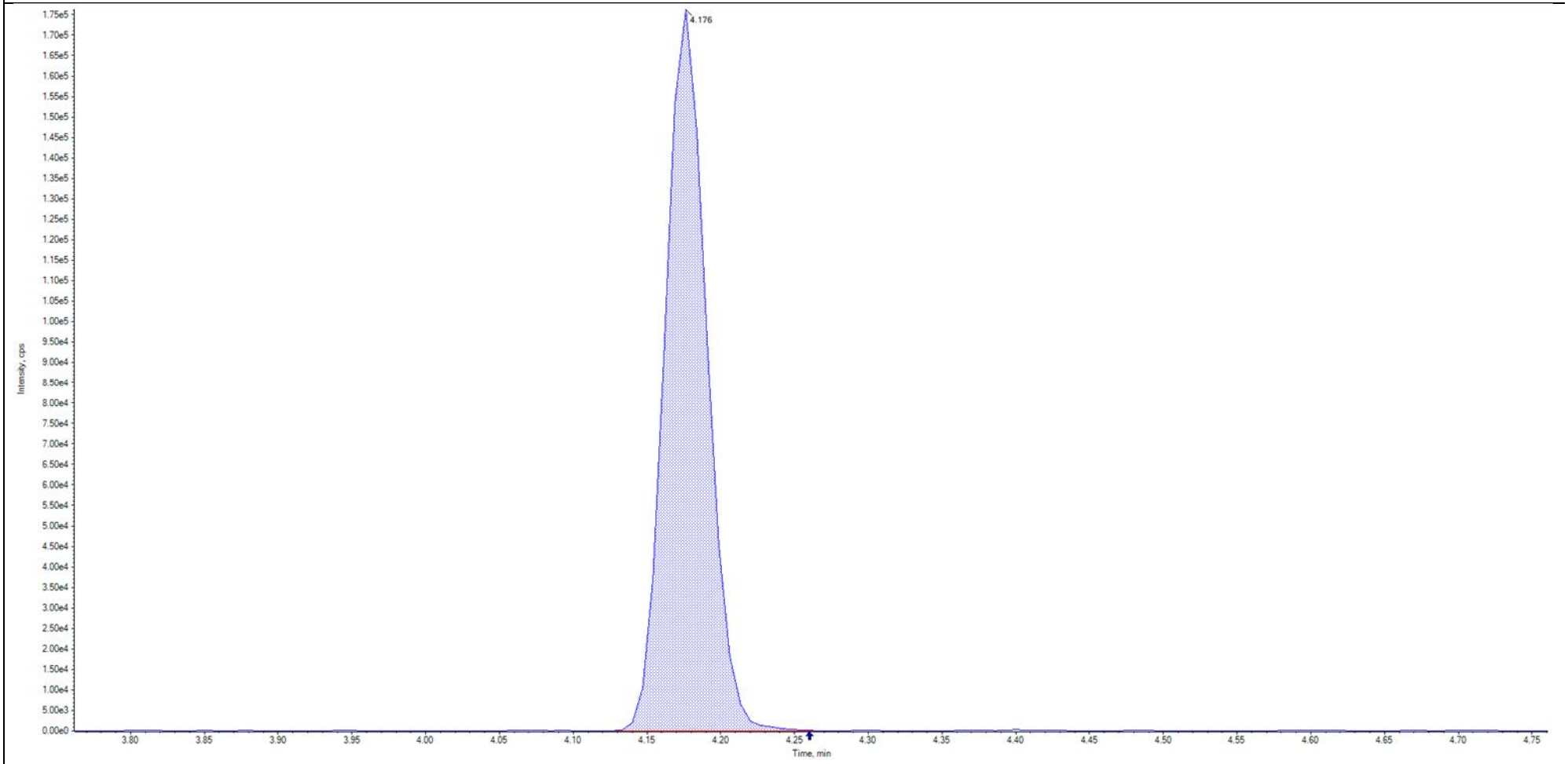
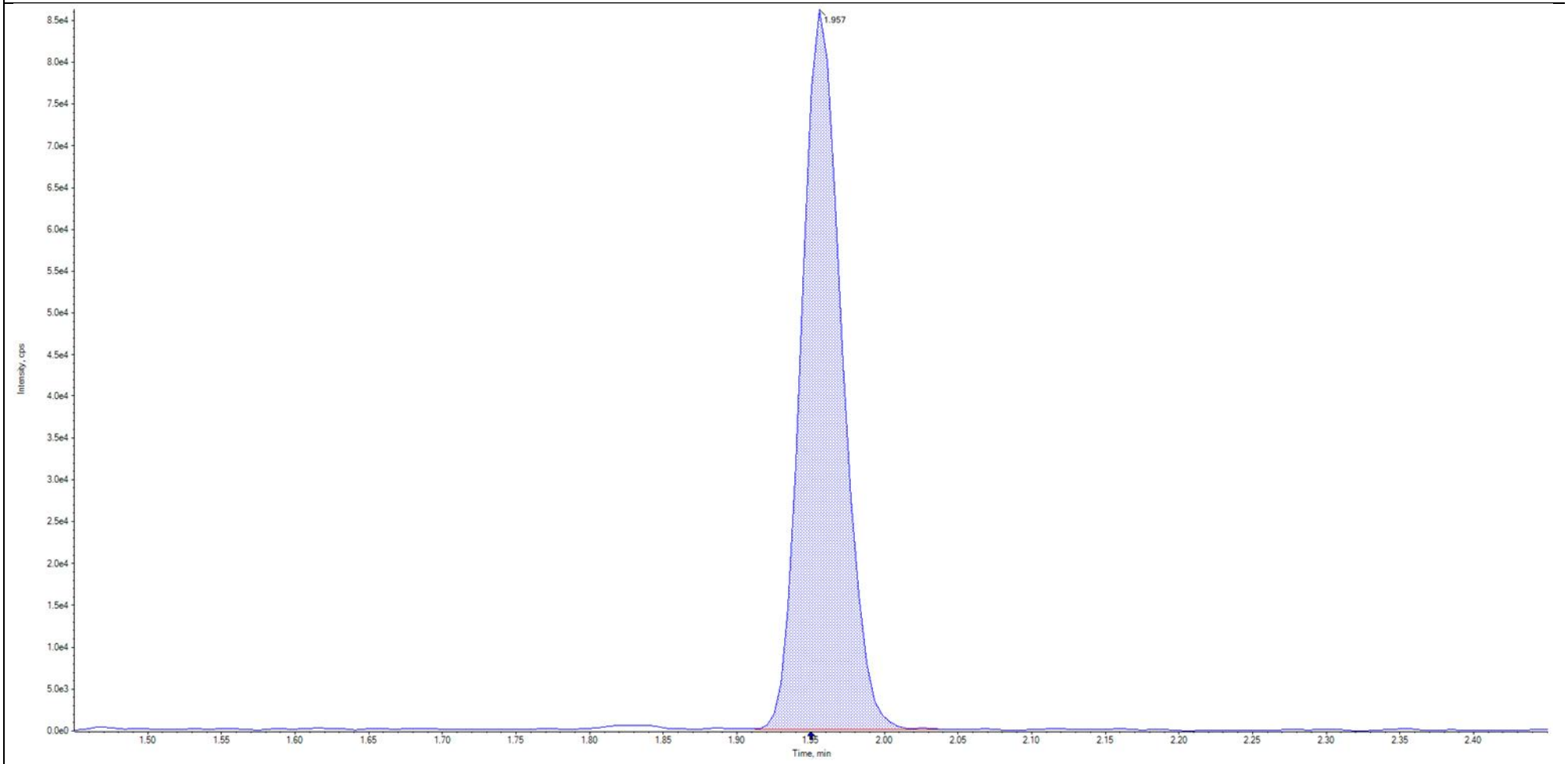
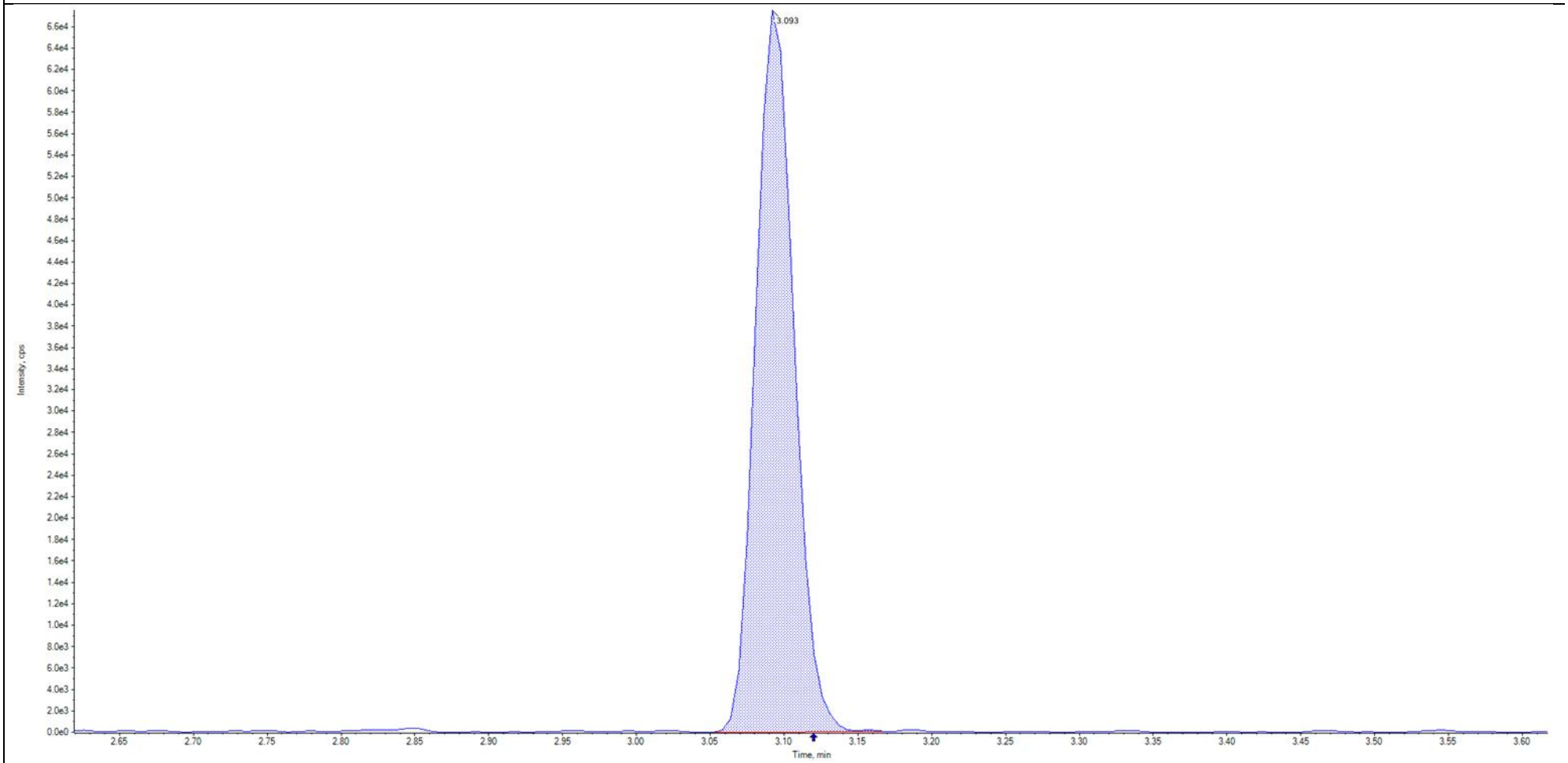


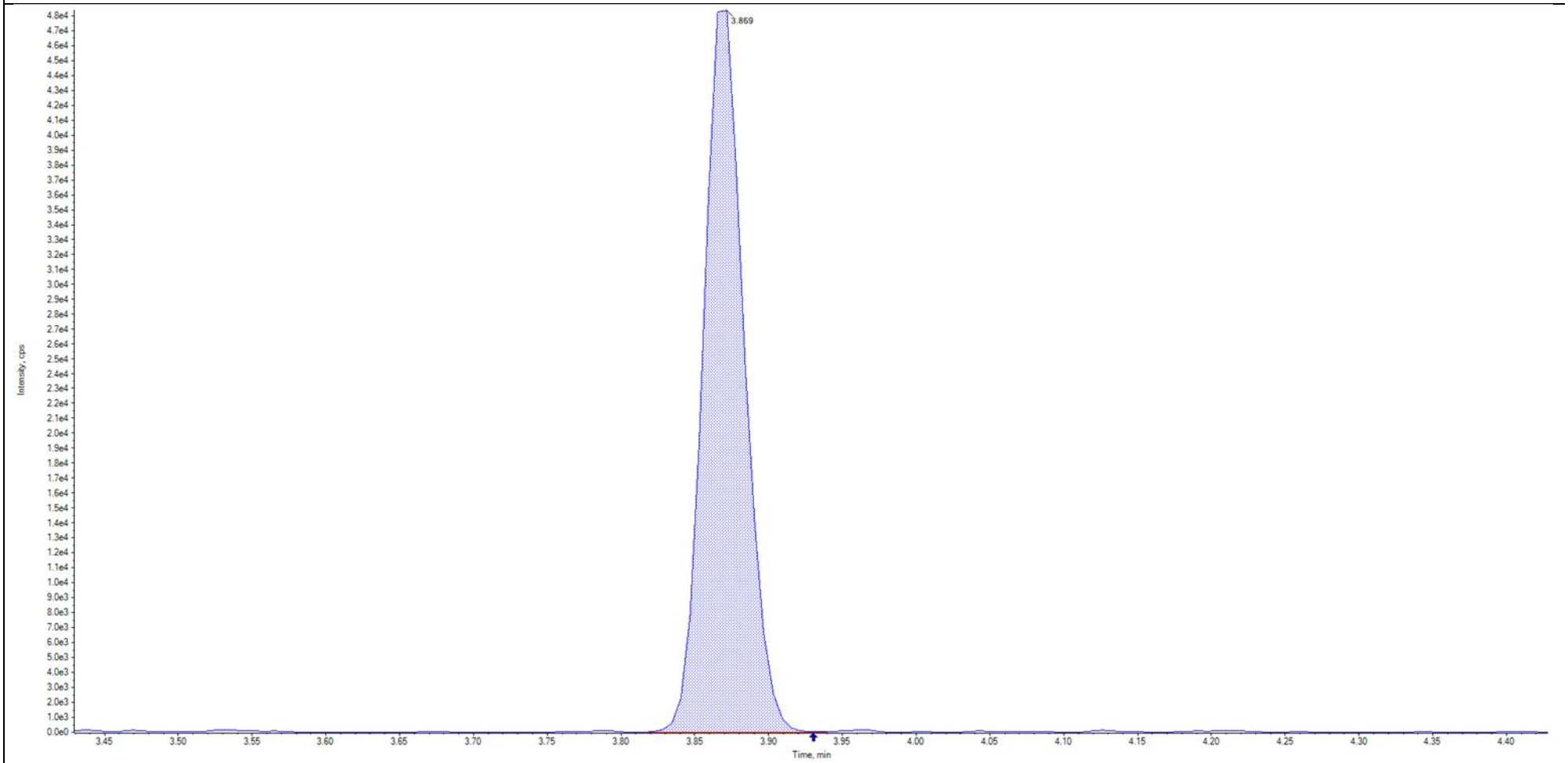
13C2-4:2FTS
Sample: L2474358-01



13C2-6:2FTS
Sample: L2474358-01



13C2-8:2FTS
Sample: L2474358-01



13C8-PFOSA
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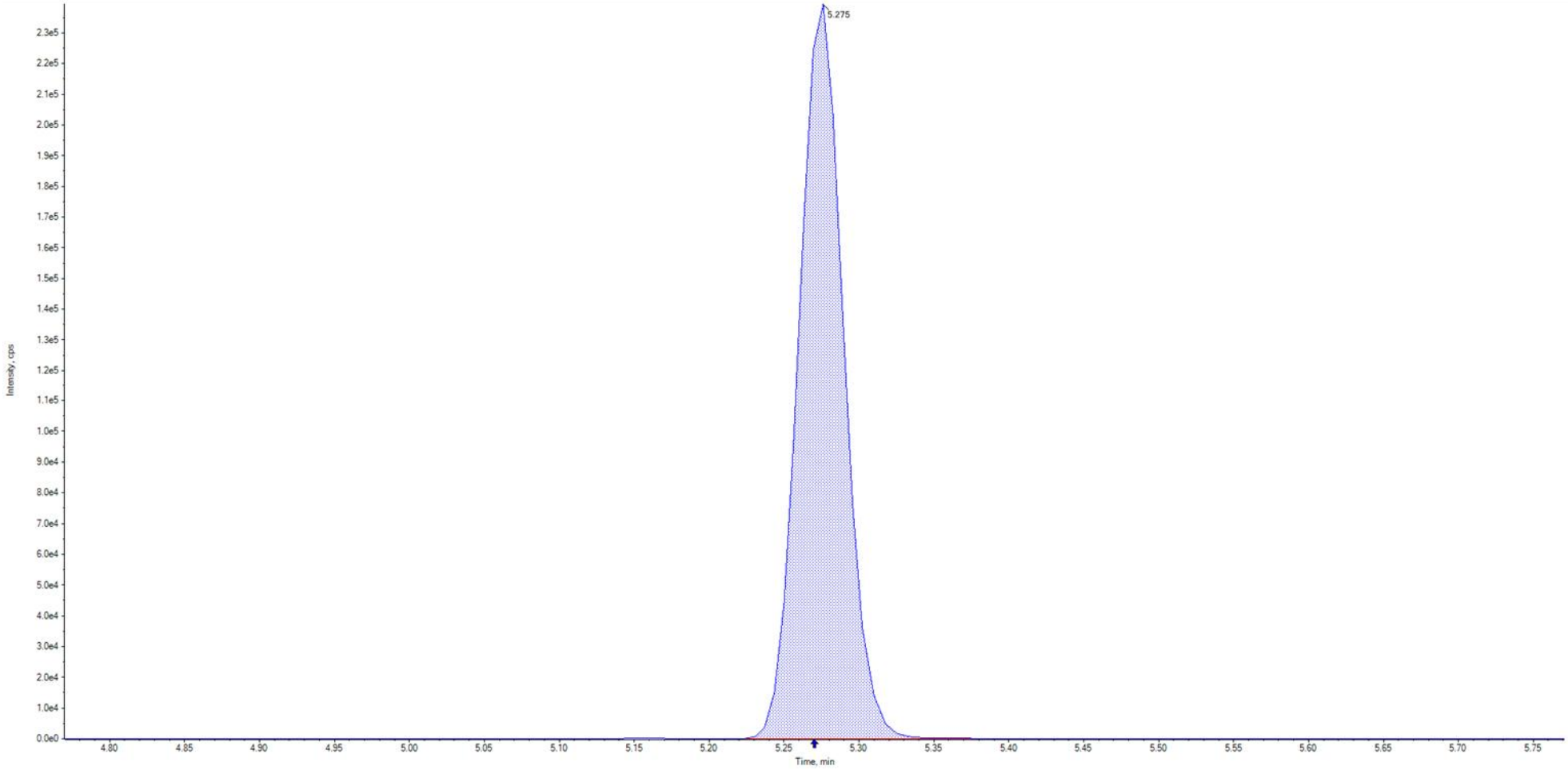
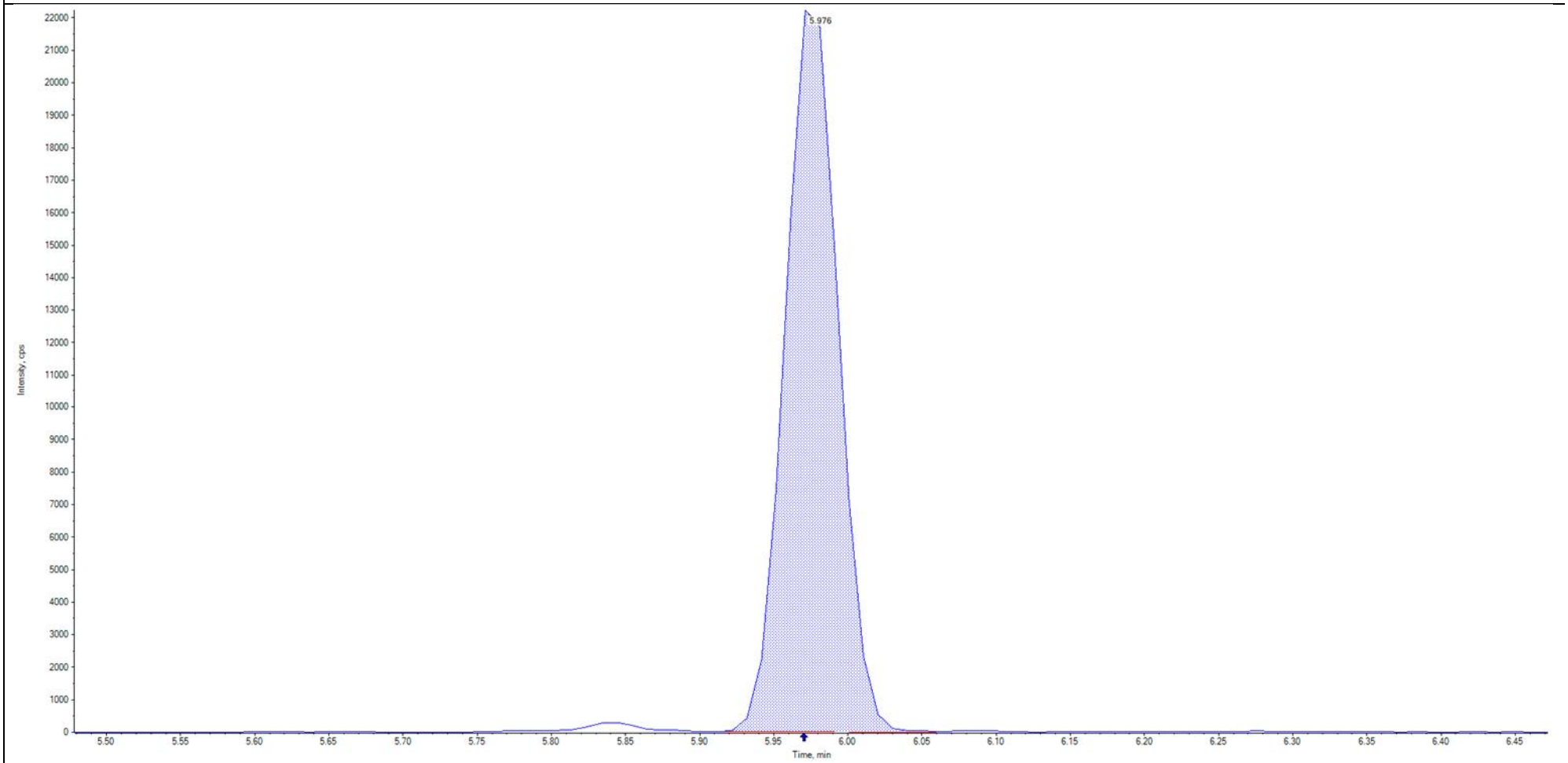


d3-NMeFOSA
Sample: L2474358-01



d5-NEtFOSA
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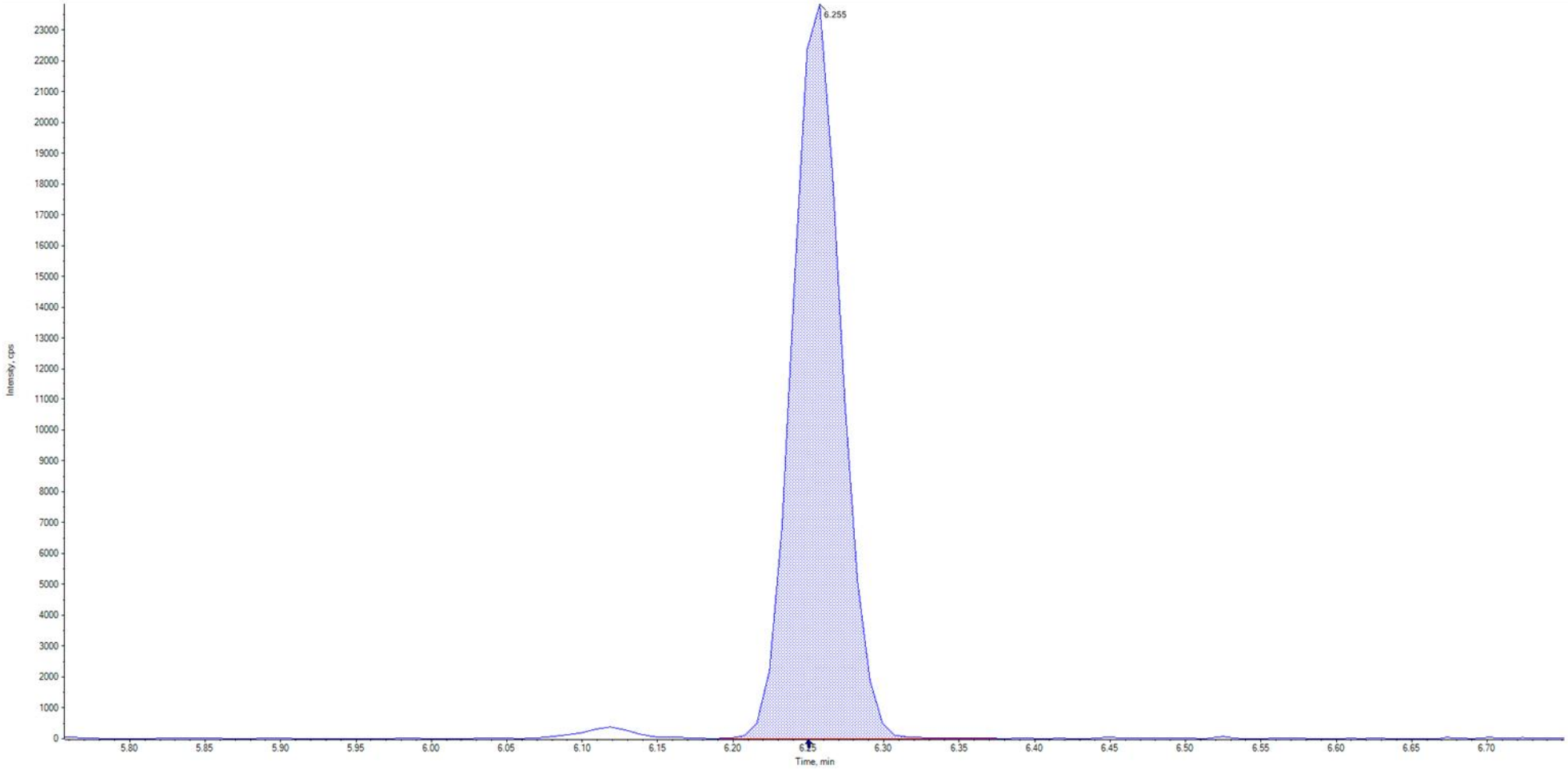

d3-NMeFOSAA
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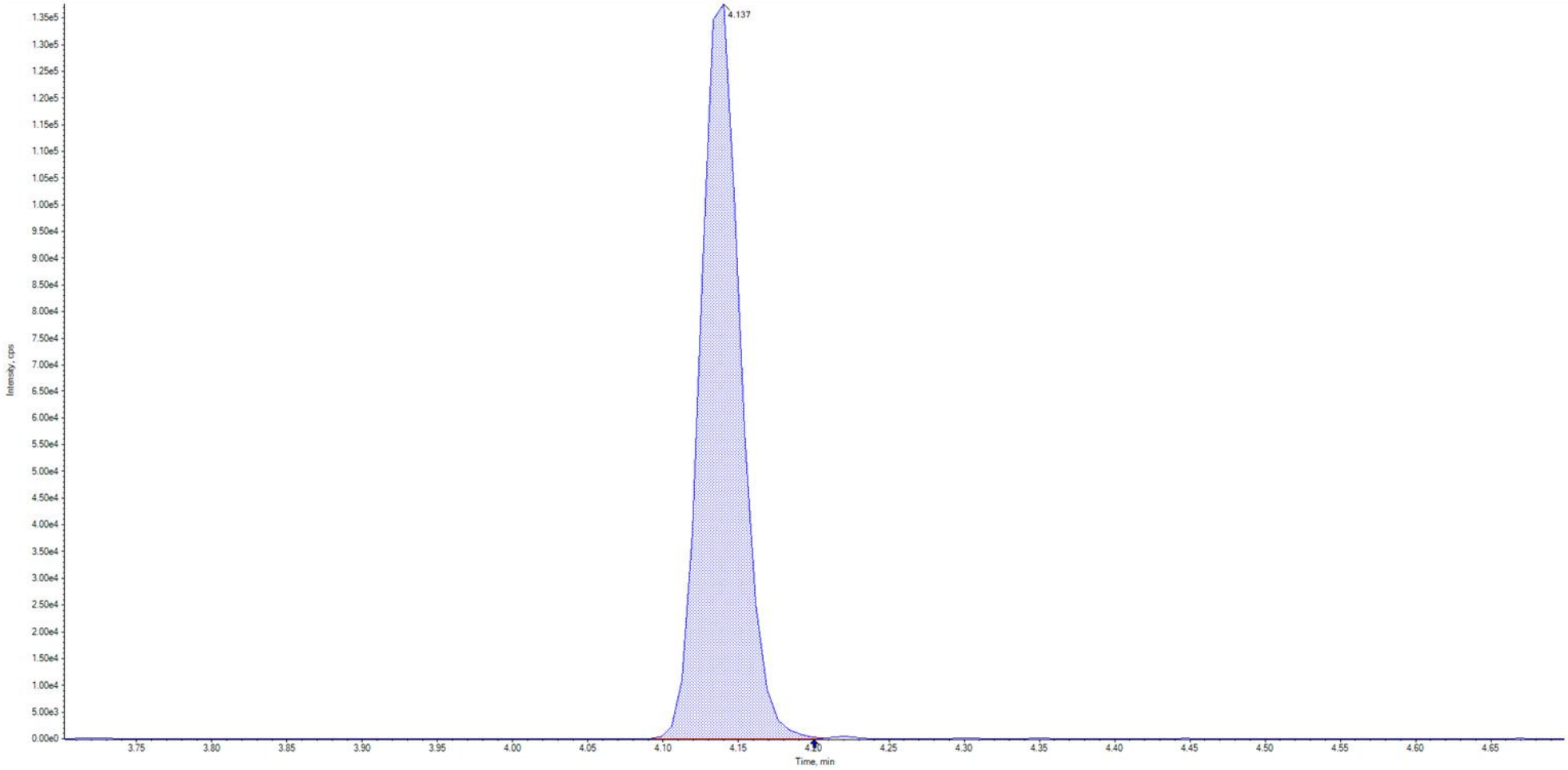
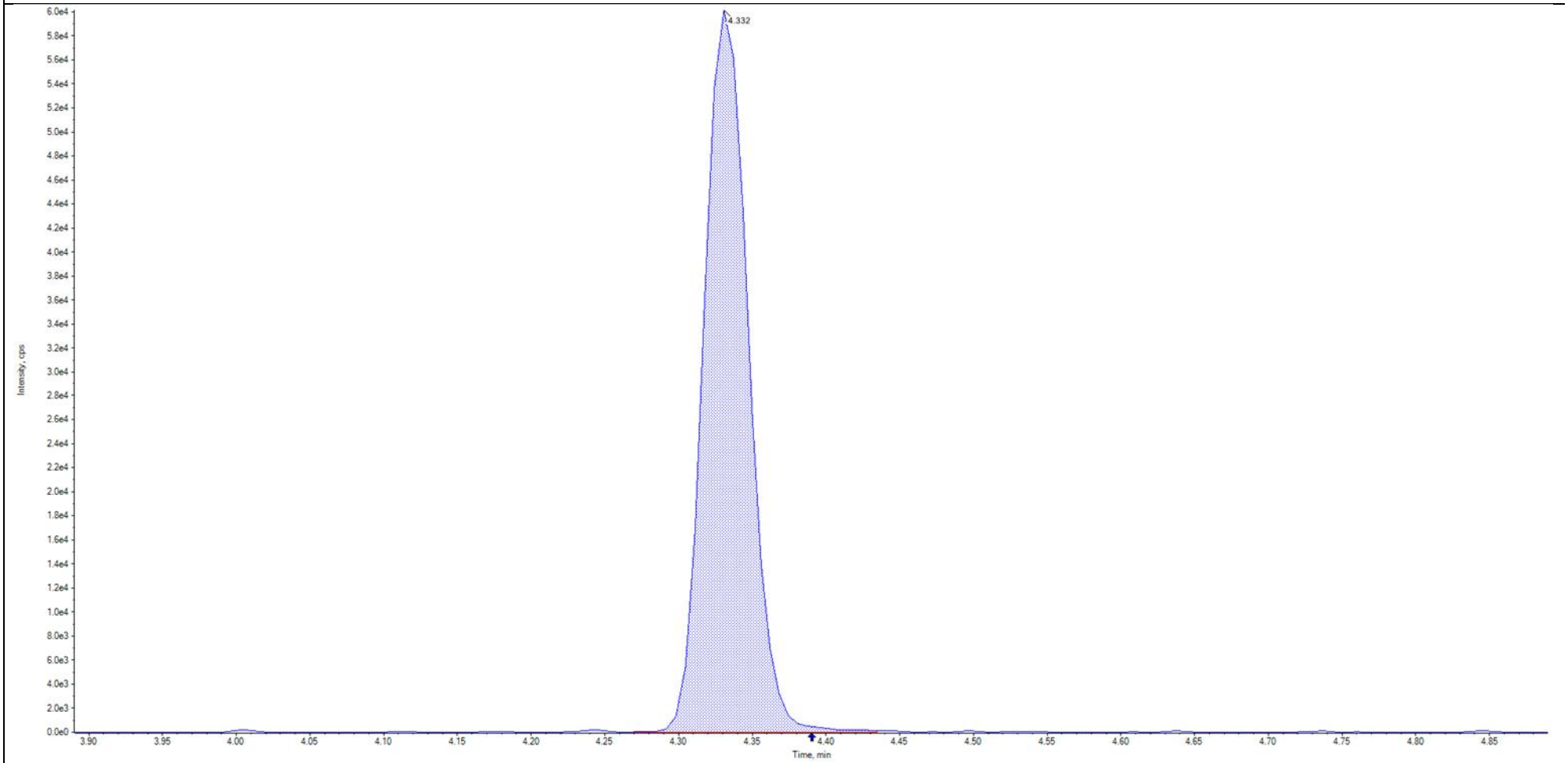
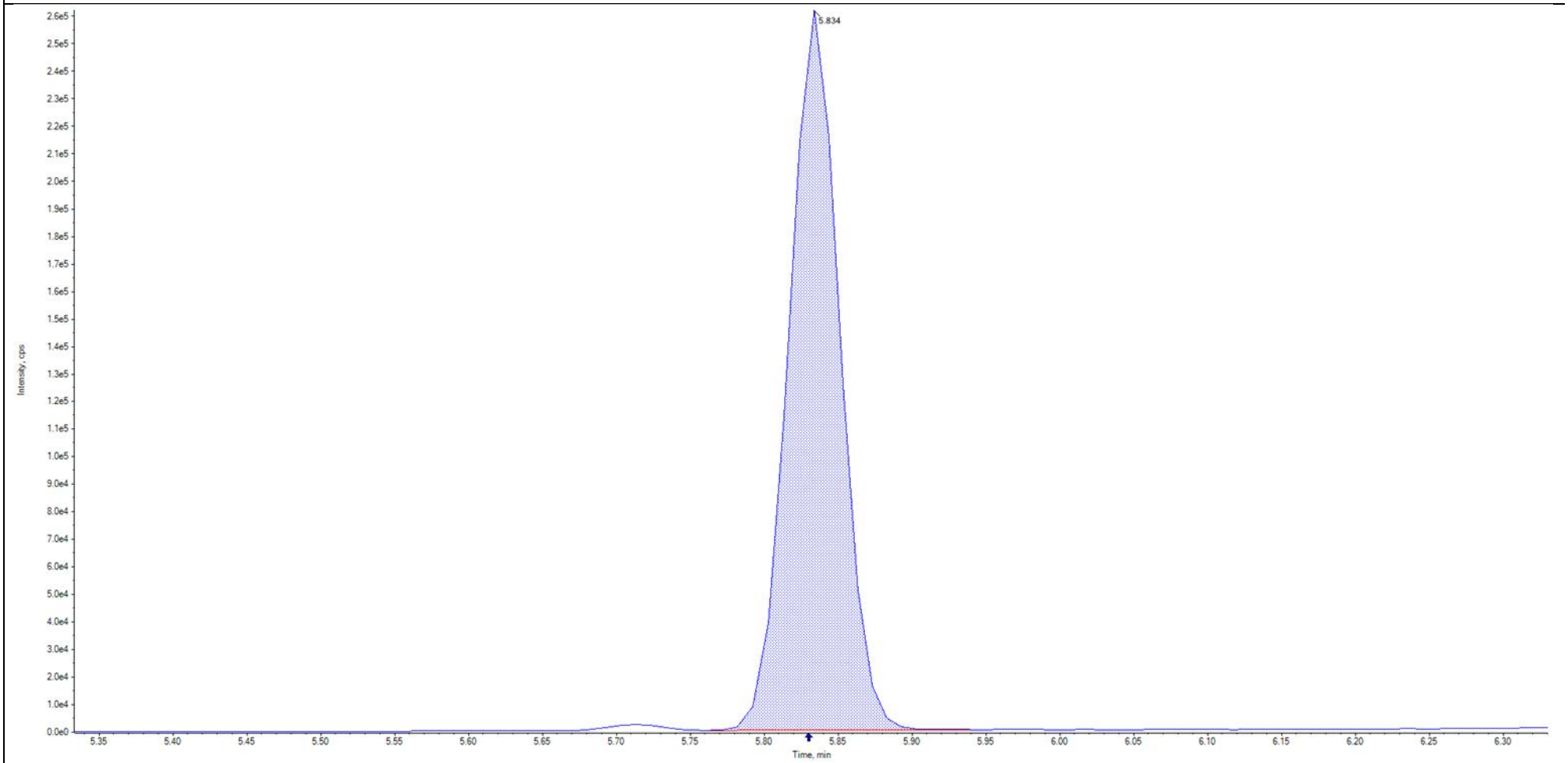


d5-NEtFOSAA
Sample: L2474358-01



d7-NMeFOSE
Sample: L2474358-01



d9-NEtFOSE
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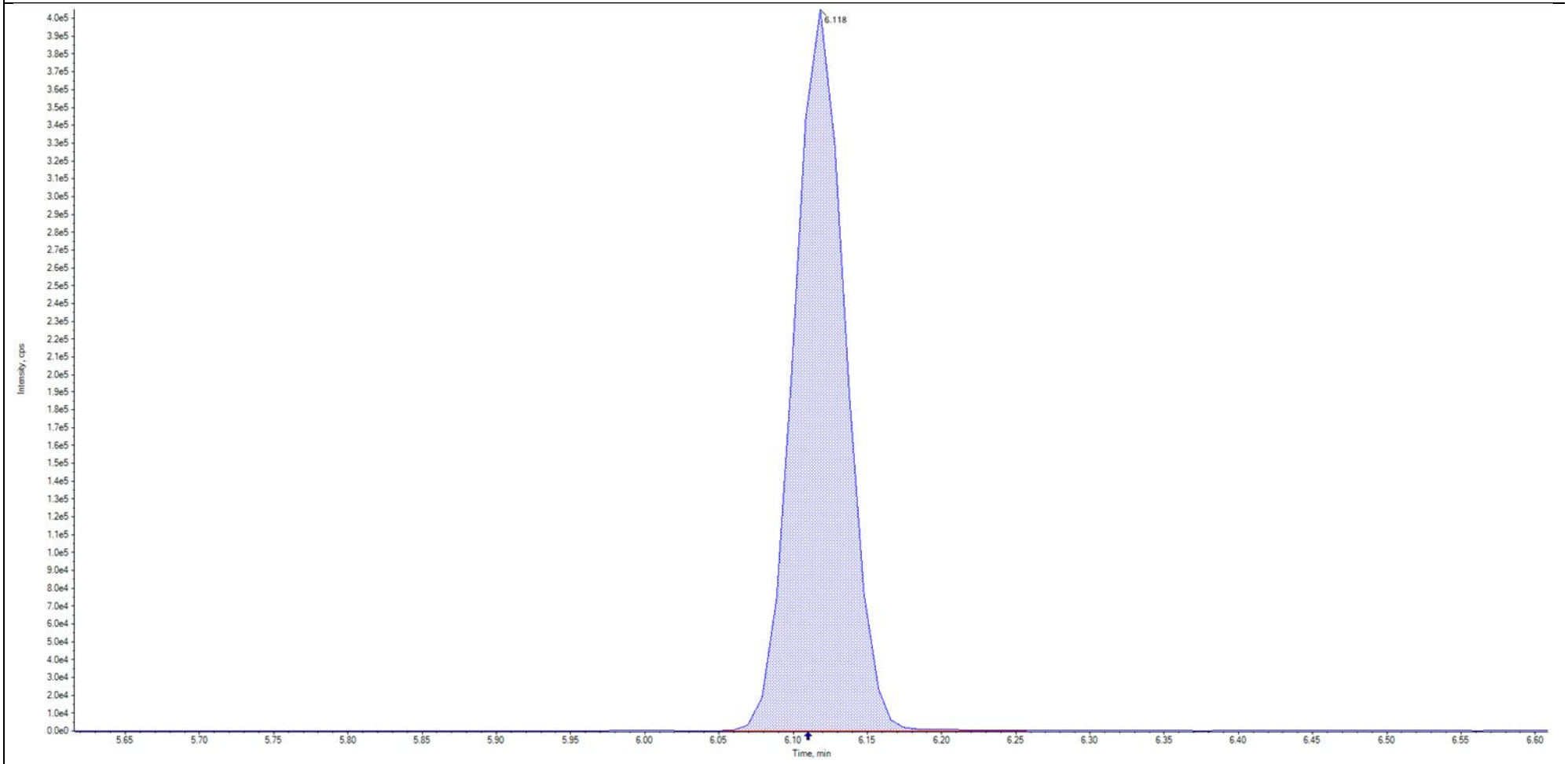
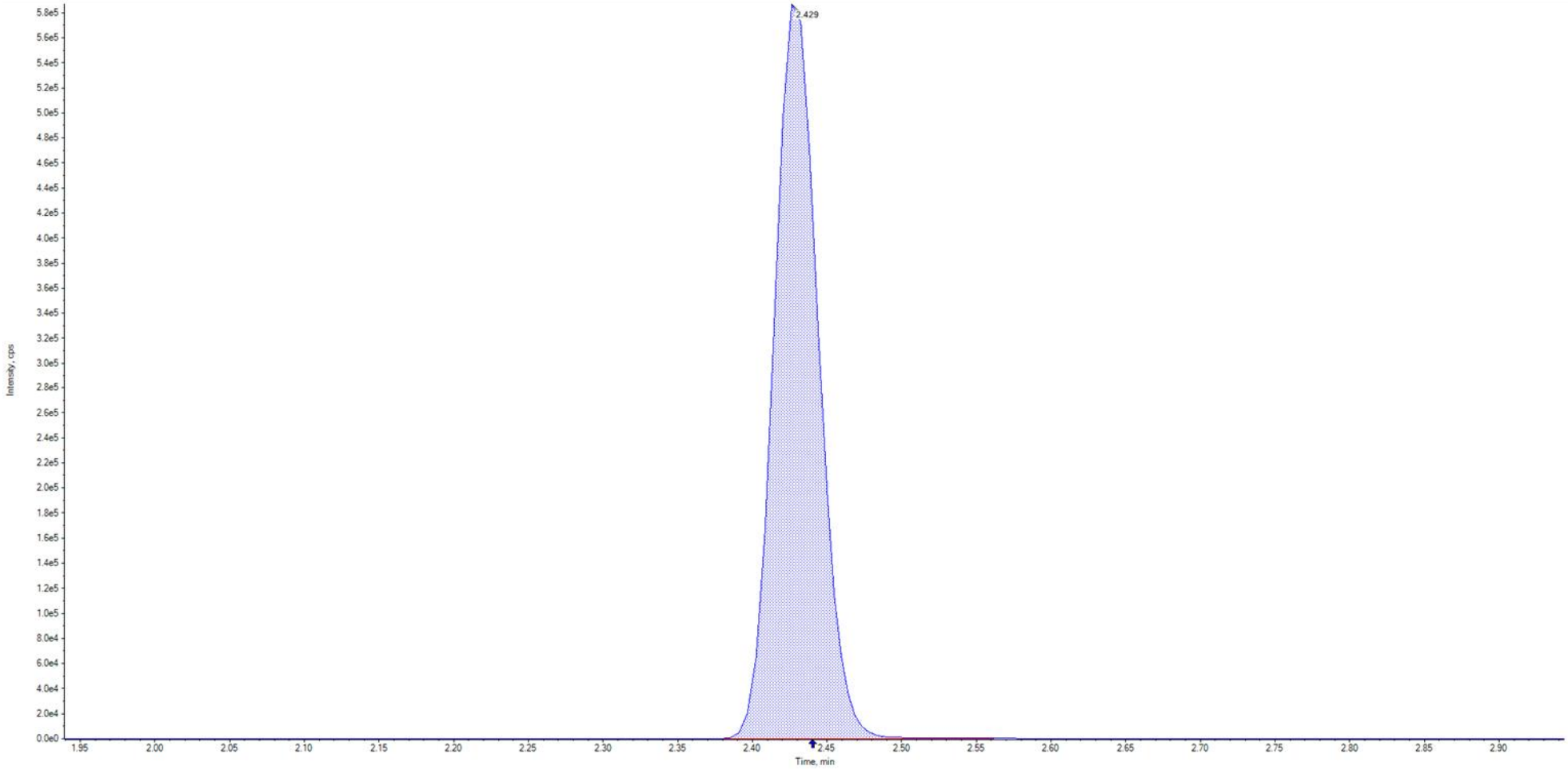


13C3-HFPO-DA
Sample: L2474358-01



13C3-PFBA
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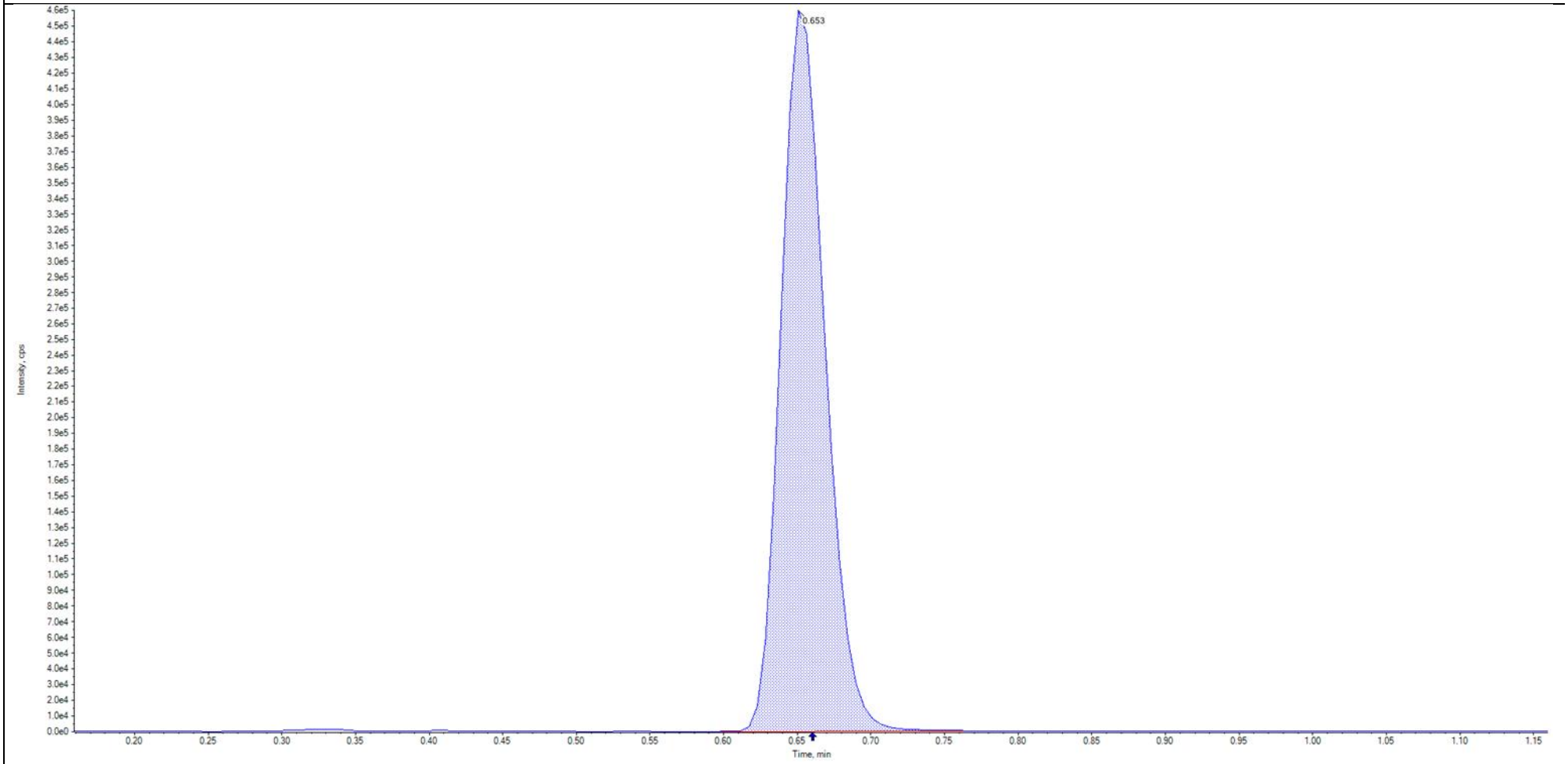

13C2-PFHxA
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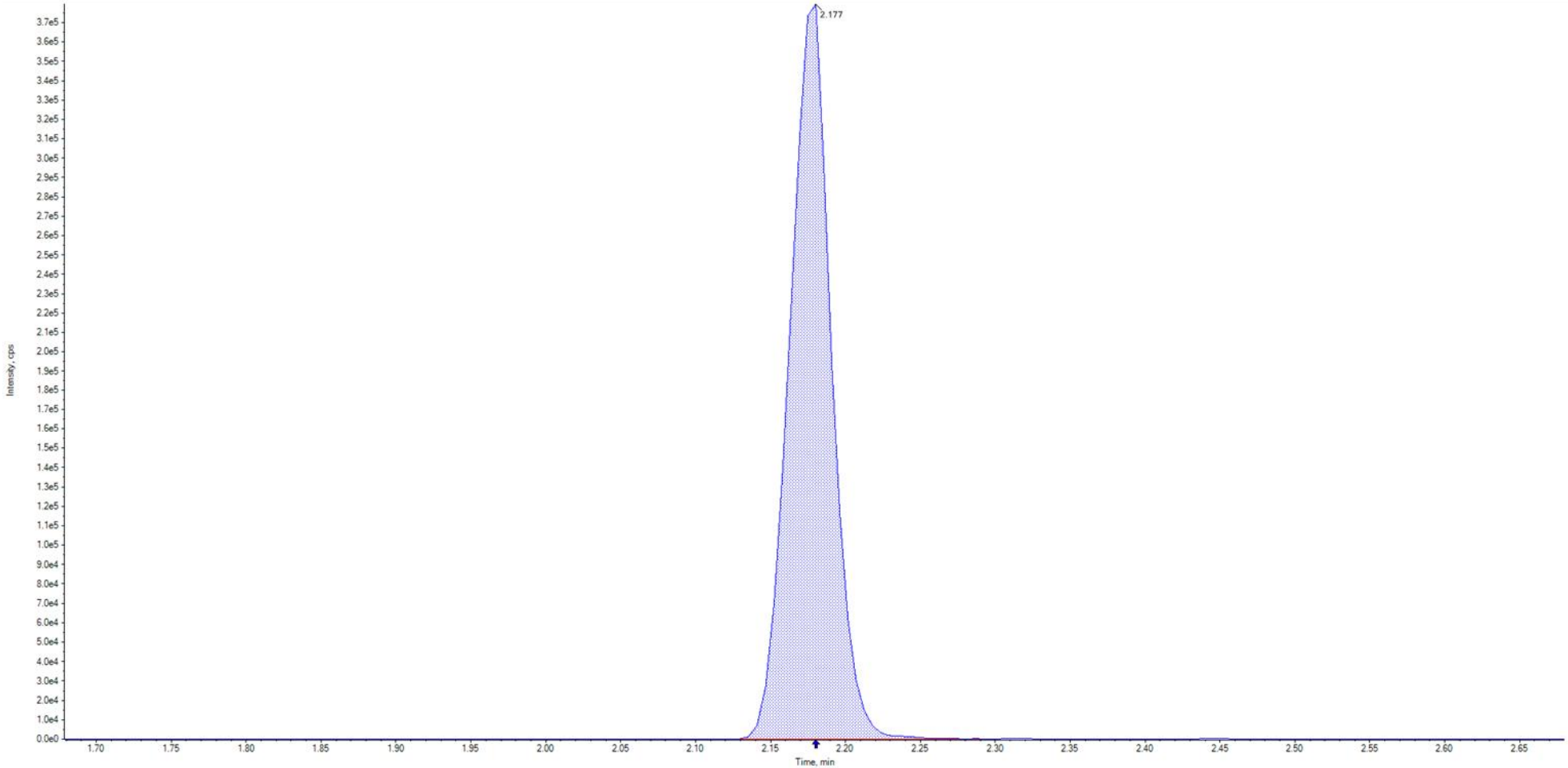
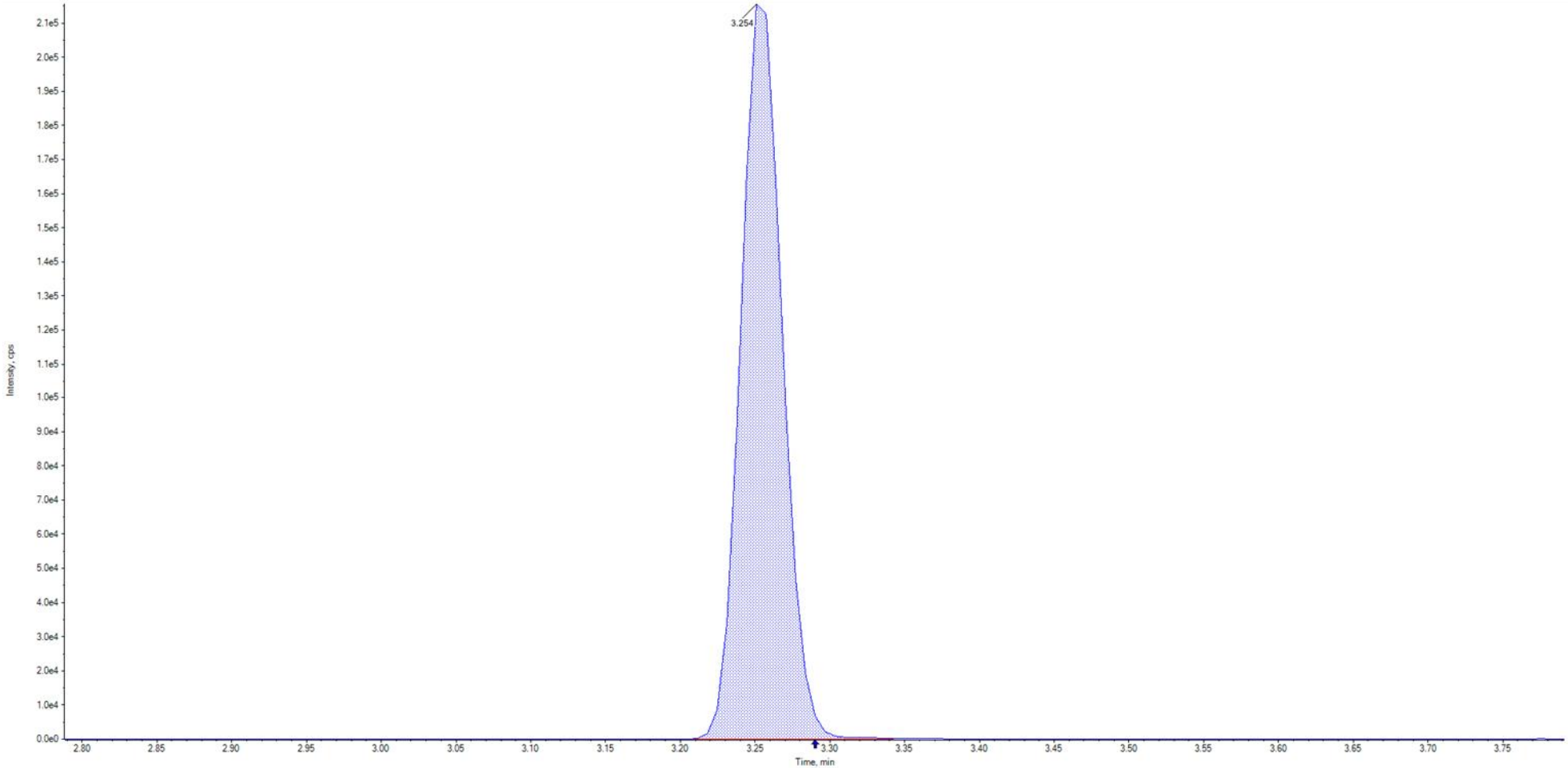
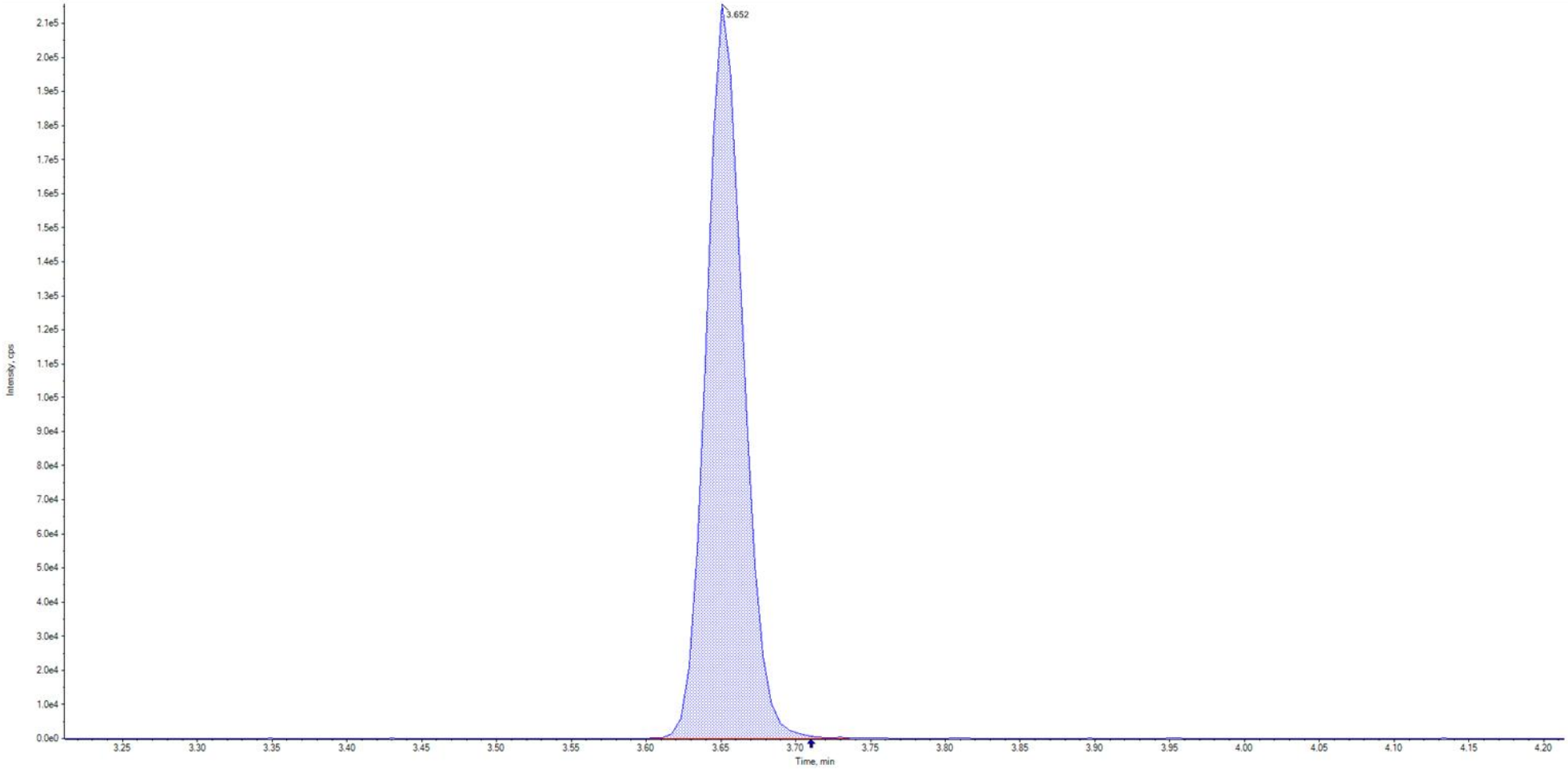


13C4-PFOA
Sample: L2474358-01



13C5-PFNA
Sample: L2474358-01



13C2-PFDA
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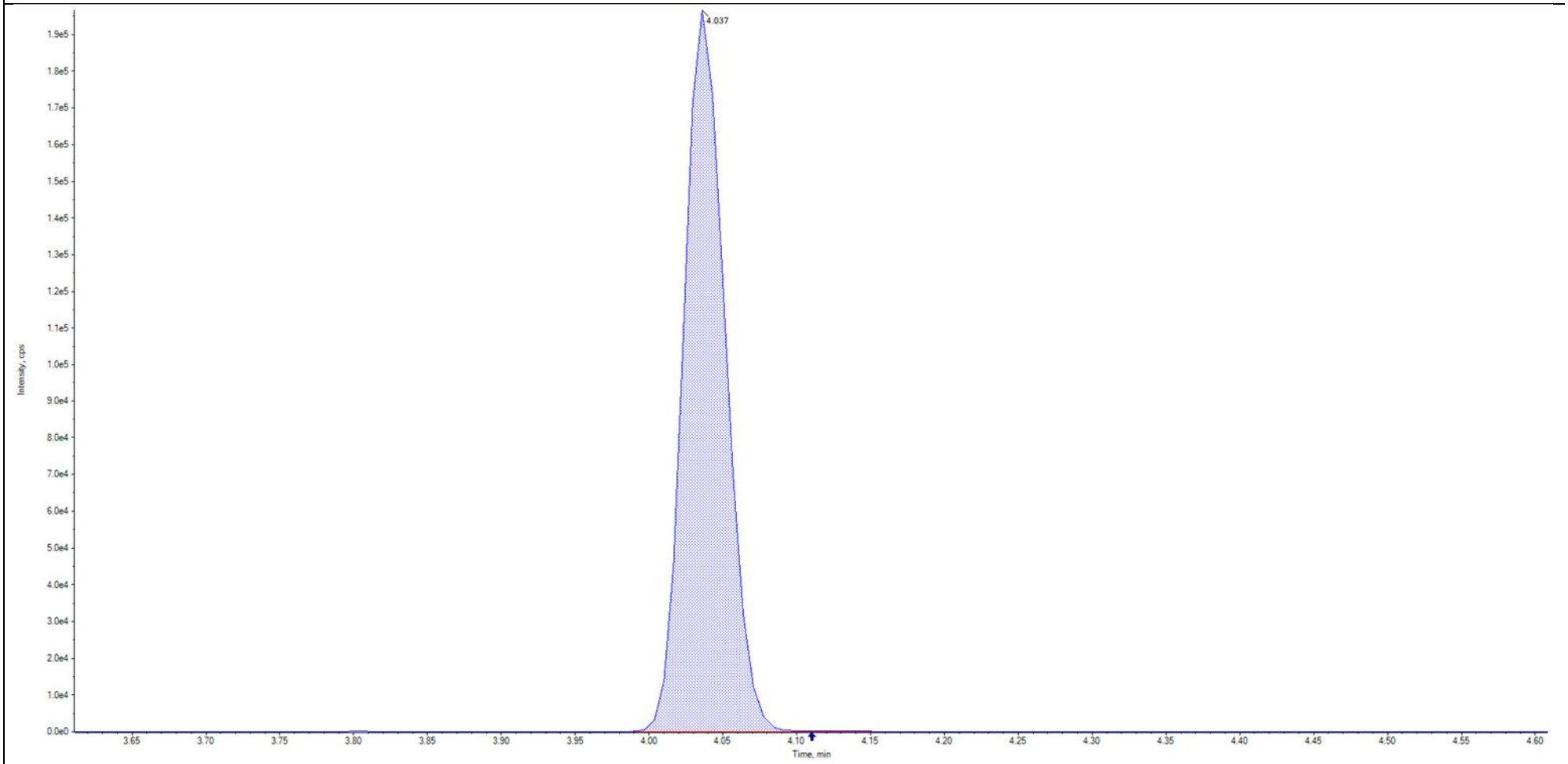
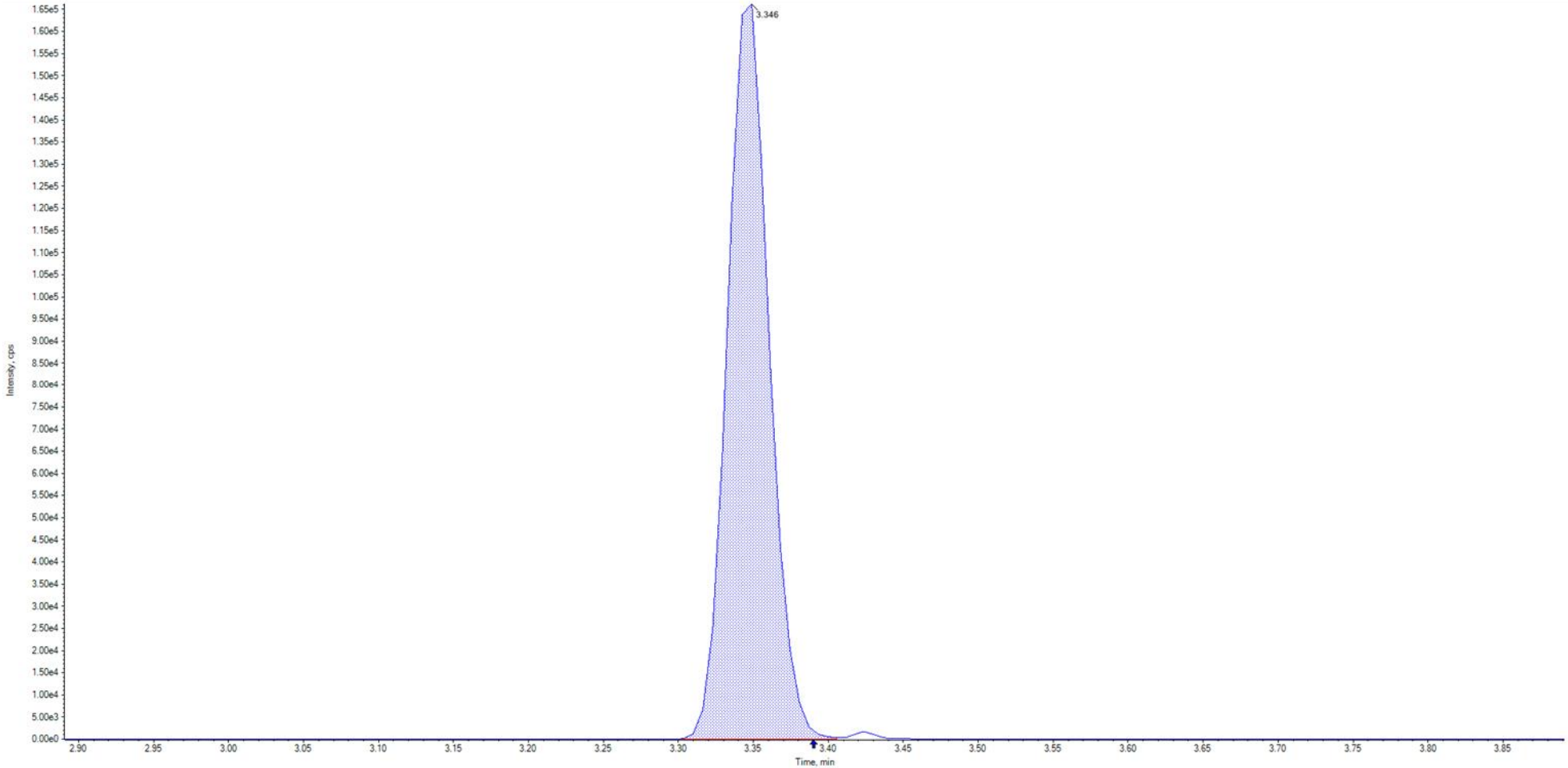
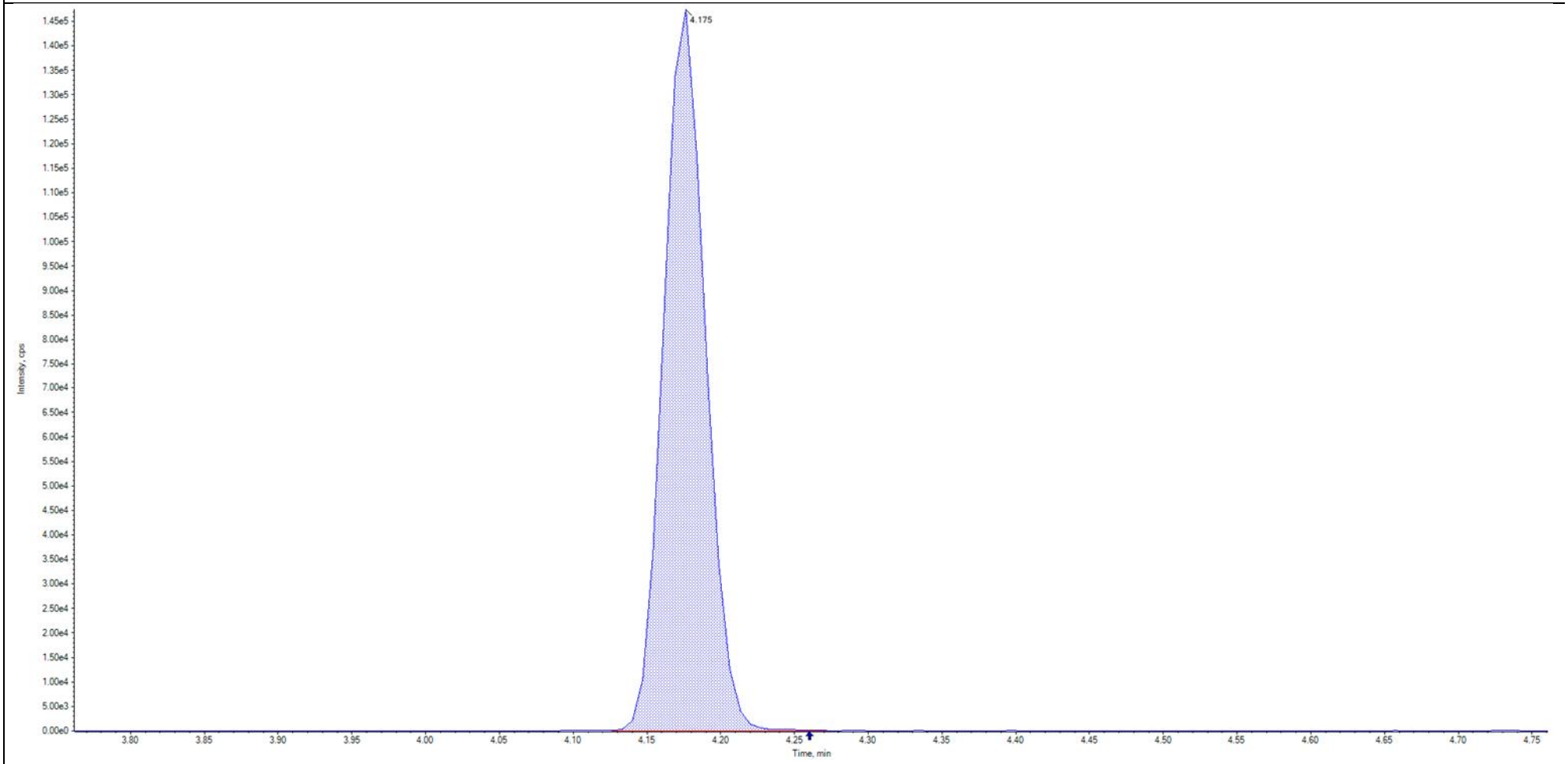


18O2-PFHxS
Sample: L2474358-01



13C4-PFOS
Sample: L2474358-01



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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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Calibration: 241115_EPA1633_ICAL

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Date & Time: 2024-12-20T01:26:31
Description: WG2011094,WG2011107,ICAL21712
Instrument: SCIEX Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	N/A	213.0 / 169.0	N/A		N/A	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	N/A	263.0 / 219.0	N/A		N/A	N/A	N/A	N/A	N/A
3	PFPeA_2	2706-90-3	N/A	263.0 / 68.9	N/A		N/A	N/A	N/A	N/A	N/A
4	PFHxA	307-24-4	N/A	313.0 / 269.0	N/A		N/A	N/A	0.089	N/A	N/A
5	PFHxA_2	307-24-4	N/A	313.0 / 119.0	N/A		N/A	N/A	0.089	N/A	N/A
6	PFHpA	375-85-9	N/A	363.1 / 319.0	N/A		N/A	N/A	0.332	N/A	N/A
7	PFHpA_2	375-85-9	N/A	363.1 / 169.0	N/A		N/A	N/A	0.332	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	0.369	N/A	N/A
9	PFOA_2	335-67-1	N/A	413.1 / 169.0	N/A		N/A	N/A	0.369	N/A	N/A
10	PFNA	375-95-1	N/A	462.8 / 418.9	N/A		N/A	N/A	0.303	N/A	N/A
11	PFNA_2	375-95-1	N/A	462.8 / 219.0	N/A		N/A	N/A	0.303	N/A	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.162	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.162	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.199	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.199	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.180	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.180	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.160	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.160	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.149	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.149	N/A	N/A
22	PFBS	375-73-5	N/A	299.1 / 80.1	N/A		N/A	N/A	0.388	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	0.388	N/A	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.297	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.297	N/A	N/A
26	PFHxS	355-46-4	N/A	399.1 / 80.1	N/A		N/A	N/A	0.296	N/A	N/A
27	PFHxS_2	355-46-4	N/A	399.1 / 99.1	N/A		N/A	N/A	0.296	N/A	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.258	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.258	N/A	N/A
30	PFOS	1763-23-1	N/A	499.1 / 80.1	N/A		N/A	N/A	0.233	N/A	N/A
31	PFOS_2	1763-23-1	N/A	499.1 / 99.1	N/A		N/A	N/A	0.233	N/A	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.296	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.296	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.272	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.272	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.263	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.263	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	0.559	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.559	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.593	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.593	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.759	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.759	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.023	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.023	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.457	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.457	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.309	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.309	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.804	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.804	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.419	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	0.419	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	0.685	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.685	N/A	N/A
58	ADONA	919005-14-4	N/A	376.9 / 251.0	N/A		N/A	N/A	0.884	N/A	N/A
59	ADONA_2	919005-14-4	N/A	376.9 / 84.8	N/A		N/A	N/A	0.884	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.325	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.325	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.338	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.338	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.433	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.433	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	0.935	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	0.935	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	1.712	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.712	N/A	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.084	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.084	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	0.781	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.781	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.150	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.150	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.67	217.0 / 172.0	2151888		9.774	NA	NA	NA	97.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.39	268.0 / 223.0	1019119		5.293	NA	NA	NA	105.9
	13C5-PFHxA	EIS	2.19	318.0 / 273.0	413655		2.500	NA	NA	NA	100.0
	13C4-PFHpA	EIS	2.83	367.0 / 322.0	267731		2.356	NA	NA	NA	94.3
	13C8-PFOA	EIS	3.27	420.8 / 376.0	978243		2.565	NA	NA	NA	102.6
	13C9-PFNA	EIS	3.67	472.0 / 427.0	350549		1.206	NA	NA	NA	96.5
	13C6-PFDA	EIS	4.05	519.0 / 474.0	303242		1.074	NA	NA	NA	85.9
	13C7-PFUnA	EIS	4.42	570.0 / 525.0	235522		0.966	NA	NA	NA	77.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.80	615.1 / 570.0	186459		0.918	NA	NA	NA	73.5
	13C2-PFTeDA	EIS	5.52	715.1 / 670.1	152890		0.841	NA	NA	NA	67.3
	13C3-PFBS	EIS	2.18	302.1 / 80.1	418849		2.468	NA	NA	NA	105.9
	13C3-PFHxS	EIS	3.36	402.1 / 80.1	362247		2.463	NA	NA	NA	103.9
	13C8-PFOS	EIS	4.19	507.1 / 80.1	351253		2.143	NA	NA	NA	89.3
	13C2-4:2FTS	EIS	1.97	329.1 / 81.1	124886		4.436	NA	NA	NA	94.6
	13C2-6:2FTS	EIS	3.11	429.2 / 81.1	112053		4.307	NA	NA	NA	90.5
	13C2-8:2FTS	EIS	3.88	529.2 / 81.1	93418		3.996	NA	NA	NA	83.3

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.28	506.1 / 78.1	502615		1.923	NA	NA	NA	76.9
d3-NMeFOSA	EIS	5.99	515.2 / 219.0	51132		1.330	NA	NA	NA	53.2
d5-NEtFOSA	EIS	6.27	531.2 / 219.0	51790		1.446	NA	NA	NA	57.8
d3-NMeFOSAA	EIS	4.15	573.2 / 419.1	379318		9.378	NA	NA	NA	187.6
d5-NEtFOSAA	EIS	4.34	589.3 / 419.1	114223		2.936	NA	NA	NA	58.7
d7-NMeFOSE	EIS	5.84	623.2 / 58.9	669486		14.736	NA	NA	NA	58.9
d9-NEtFOSE	EIS	6.13	639.2 / 58.9	1010719		15.352	NA	NA	NA	61.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.44	287.0 / 169.0	1316665		10.921	NA	NA	NA	109.2
	13C3-PFBA	NIS	0.67	216.0 / 172.0	979366		4.951	NA	NA	NA	99.0
	13C2-PFHxA	NIS	2.19	315.0 / 270.0	578498		2.201	NA	NA	NA	88.0
	13C4-PFOA	NIS	3.27	417.0 / 372.0	375466		2.167	NA	NA	NA	86.7
	13C5-PFNA	NIS	3.66	468.0 / 423.0	327902		1.054	NA	NA	NA	84.3
	13C2-PFDA	NIS	4.05	515.1 / 470.1	328406		1.037	NA	NA	NA	82.9
	18O2-PFHxS	NIS	3.36	403.1 / 84.1	297879		2.107	NA	NA	NA	88.9
	13C4-PFOS	NIS	4.18	503.1 / 80.1	284690		2.300	NA	NA	NA	95.8

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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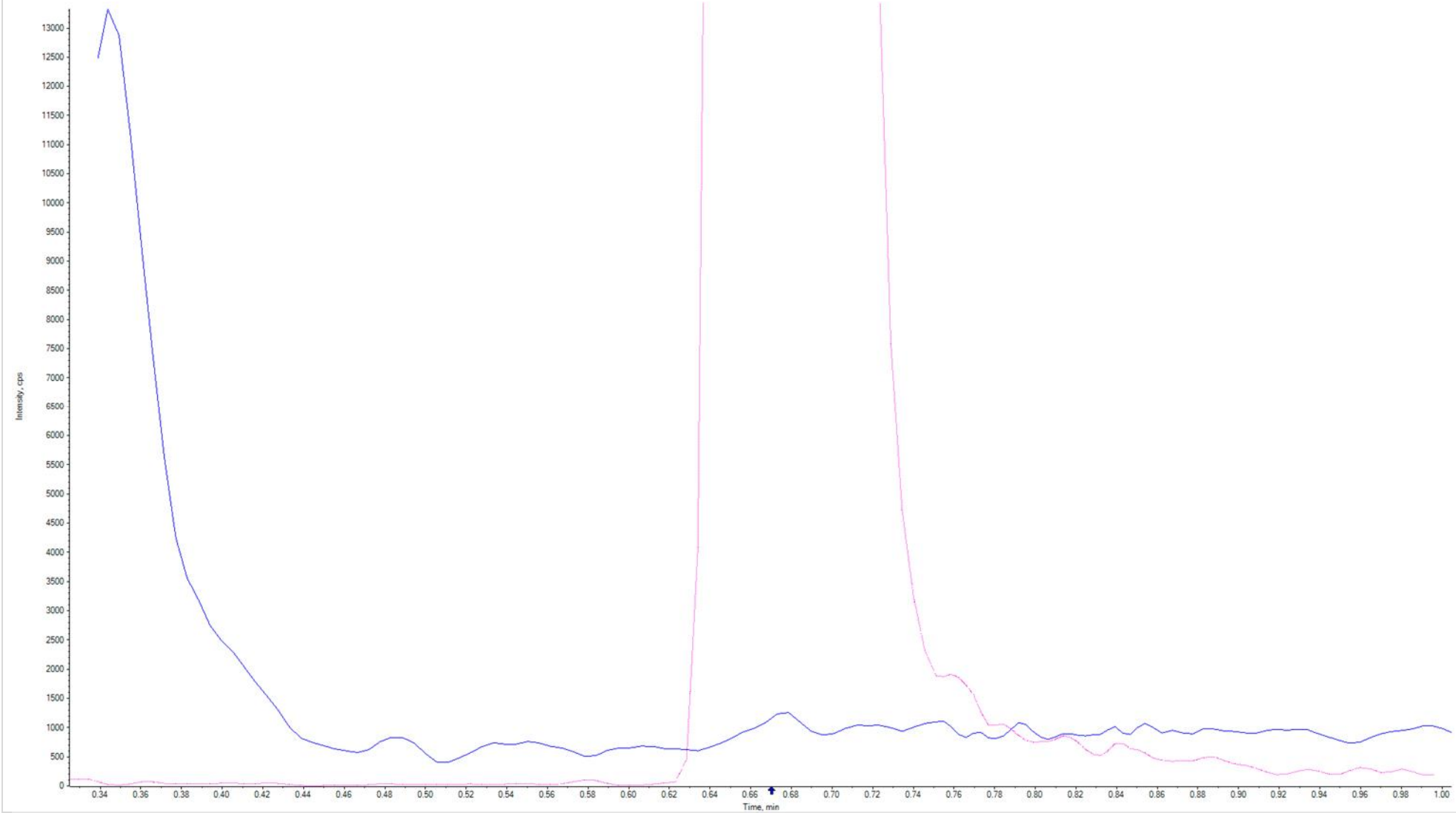
Generated: 12/19/2024 2:27:31 PM

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

PFBA
Sample: L2474358-02 S/N:N/A Points Across peak:N/A



PFPeA
Sample: L2474358-02 S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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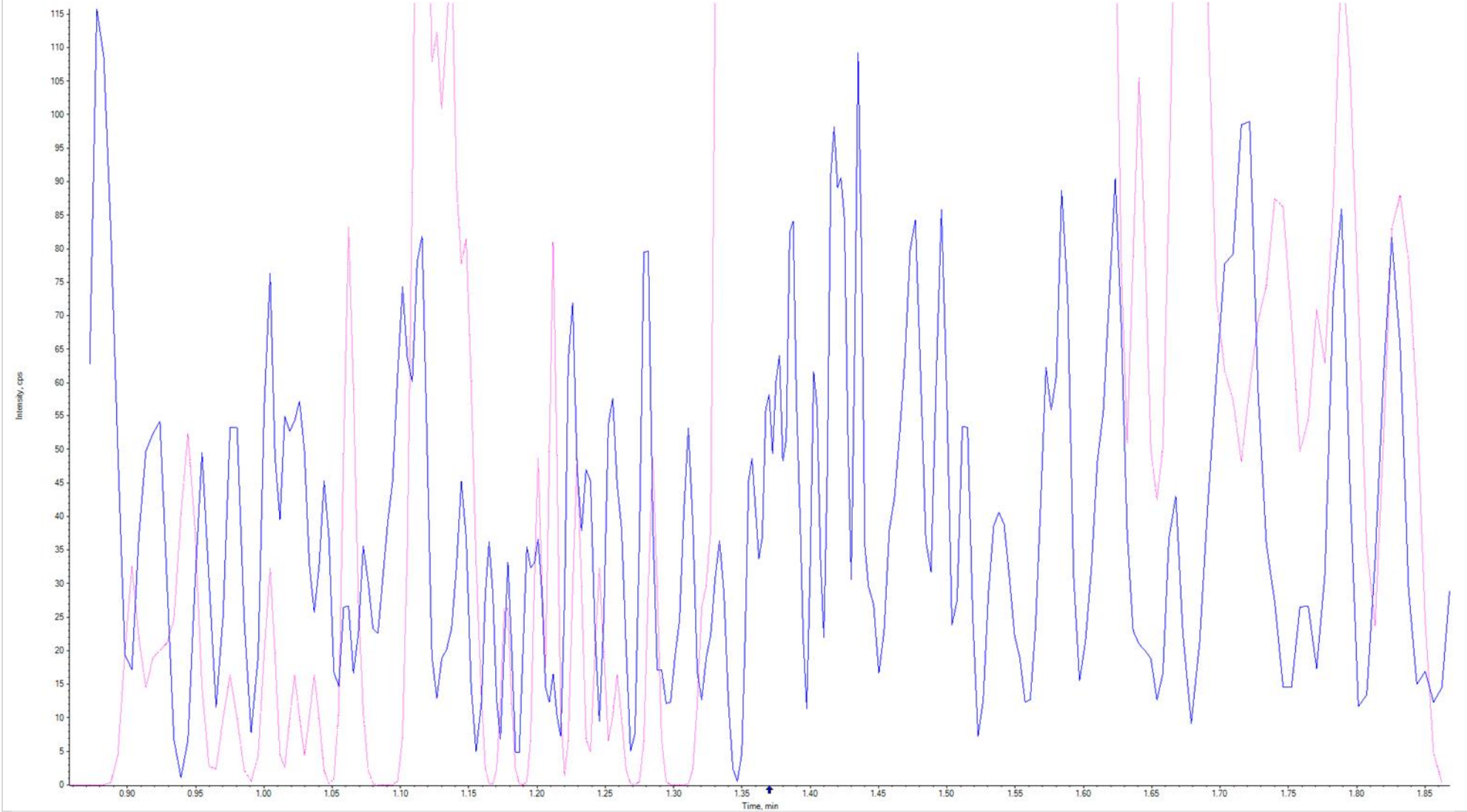
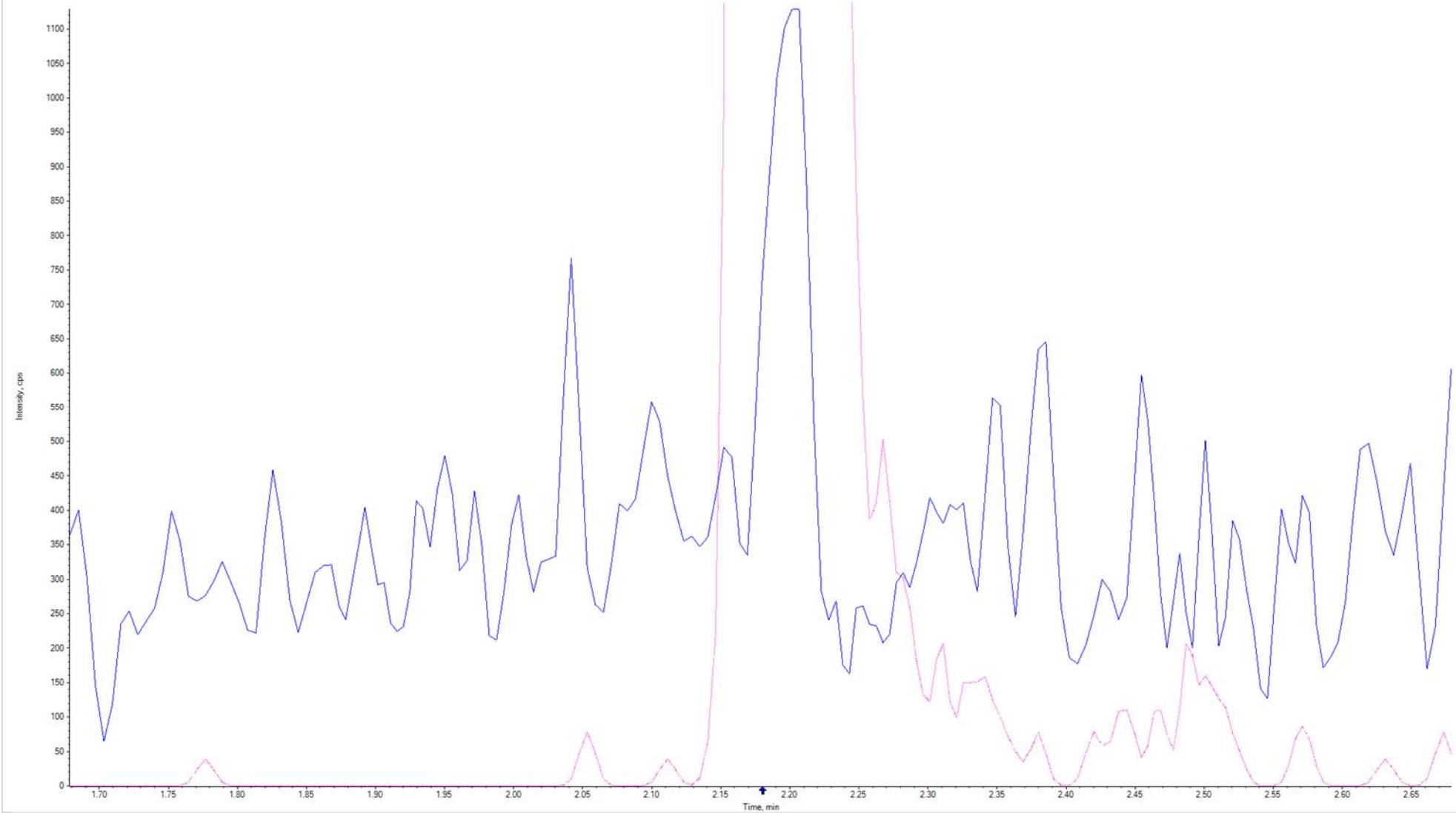
PFPeA_2
Sample: L2474358-02 S/N:N/A Points Across peak:N/A



PFHxA
Sample: L2474358-02 S/N:N/A Points Across peak:N/A



PFHxA_2
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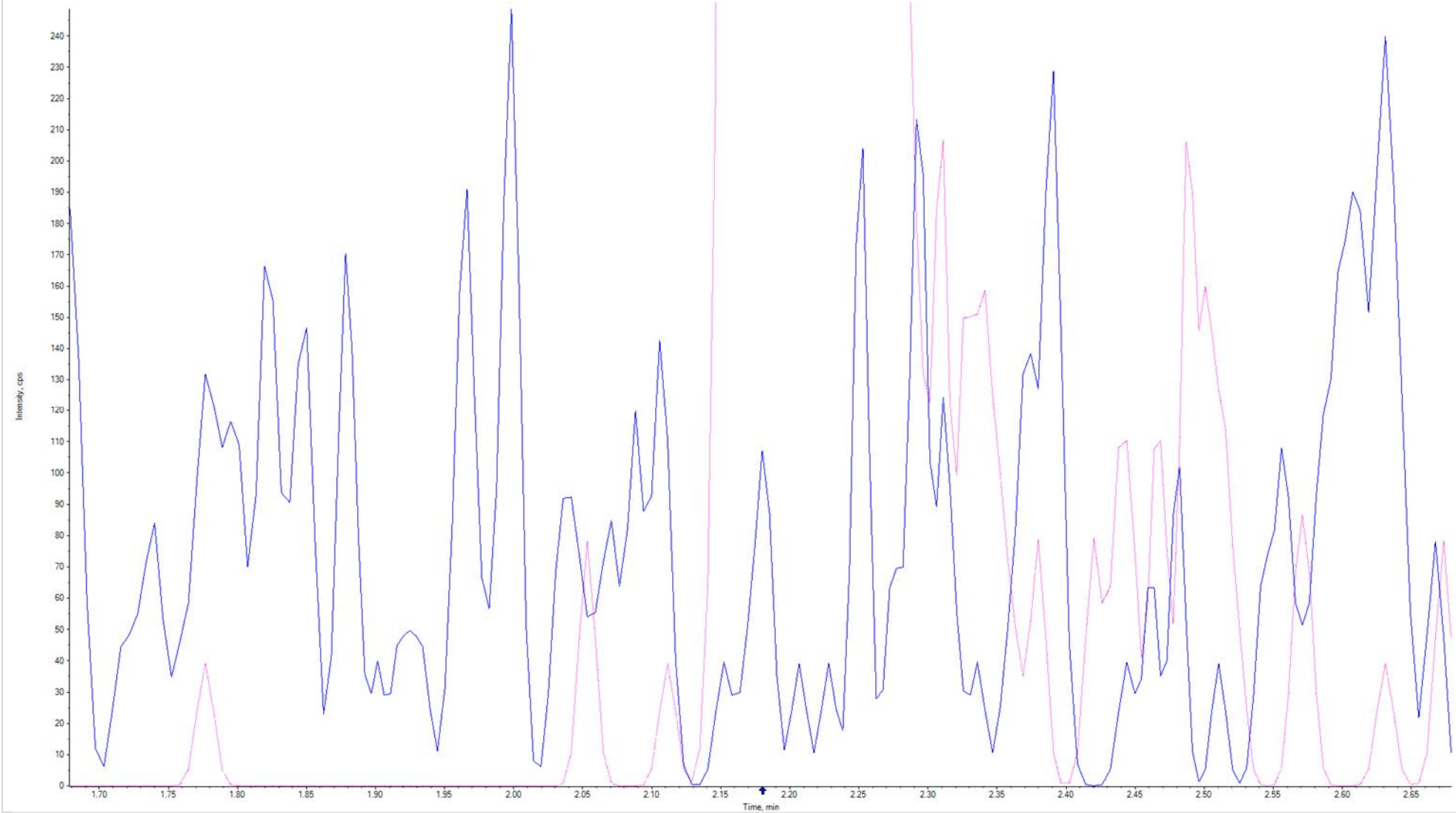

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PFHpA
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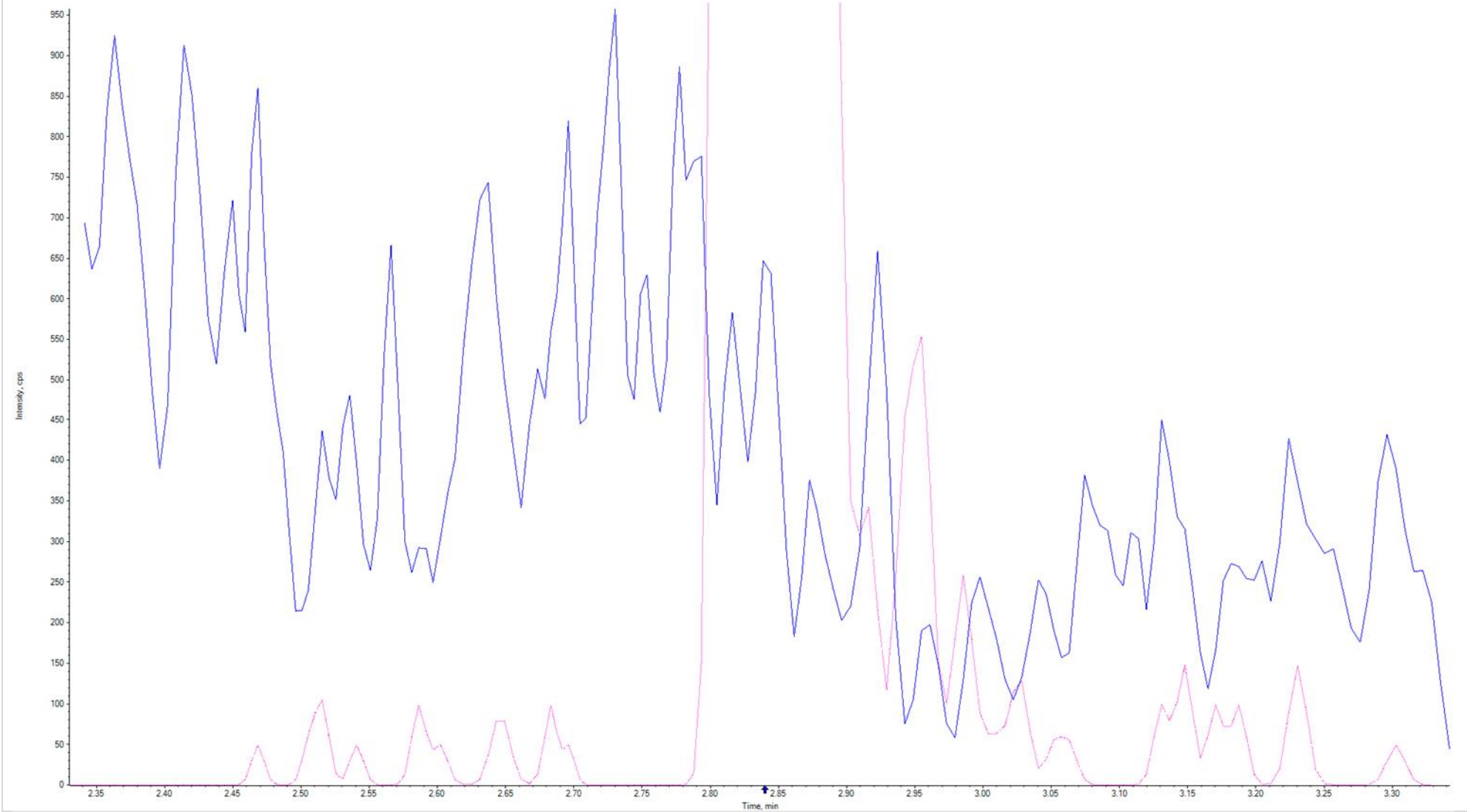

PFHpA_2
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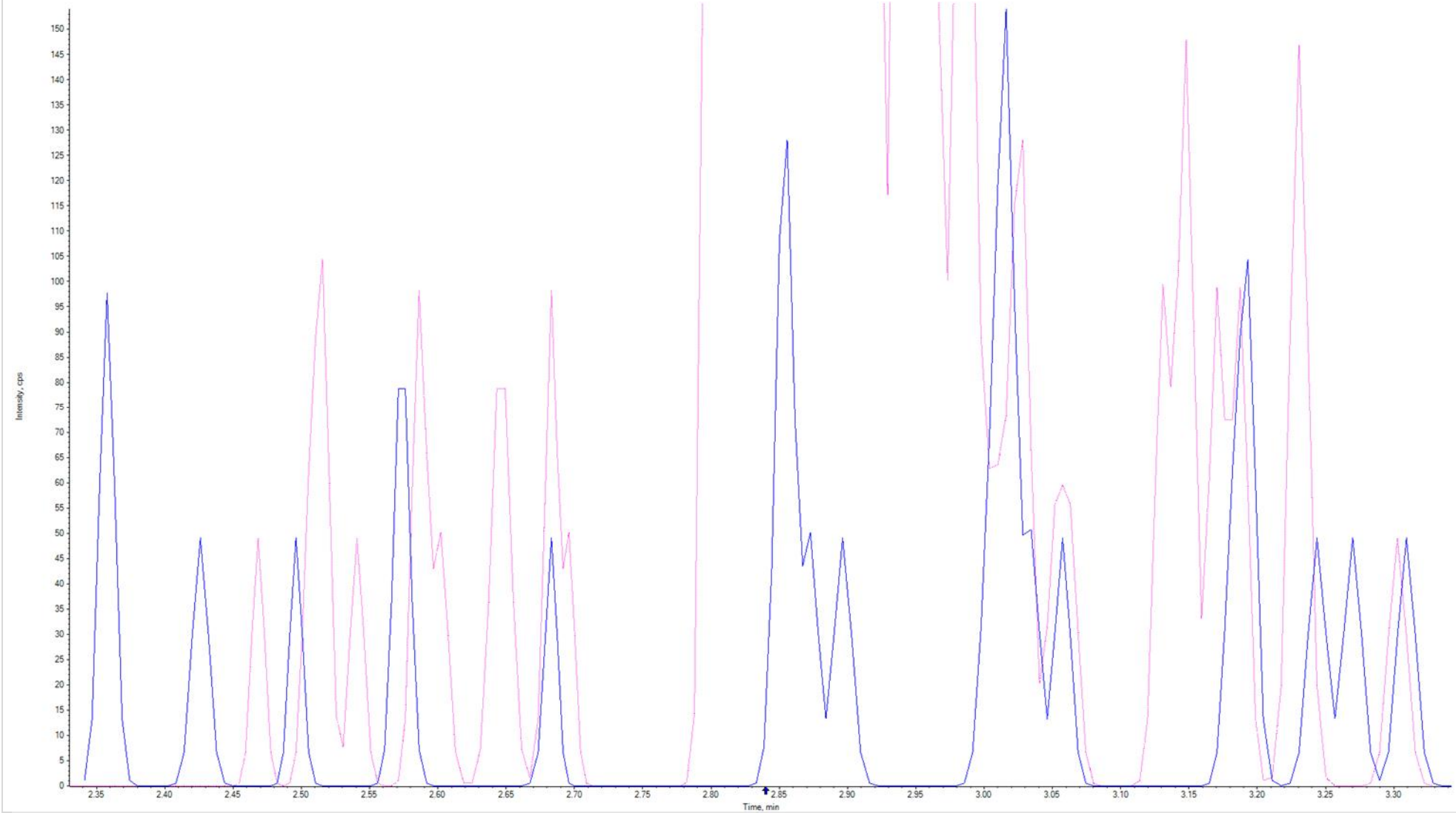

PFOA
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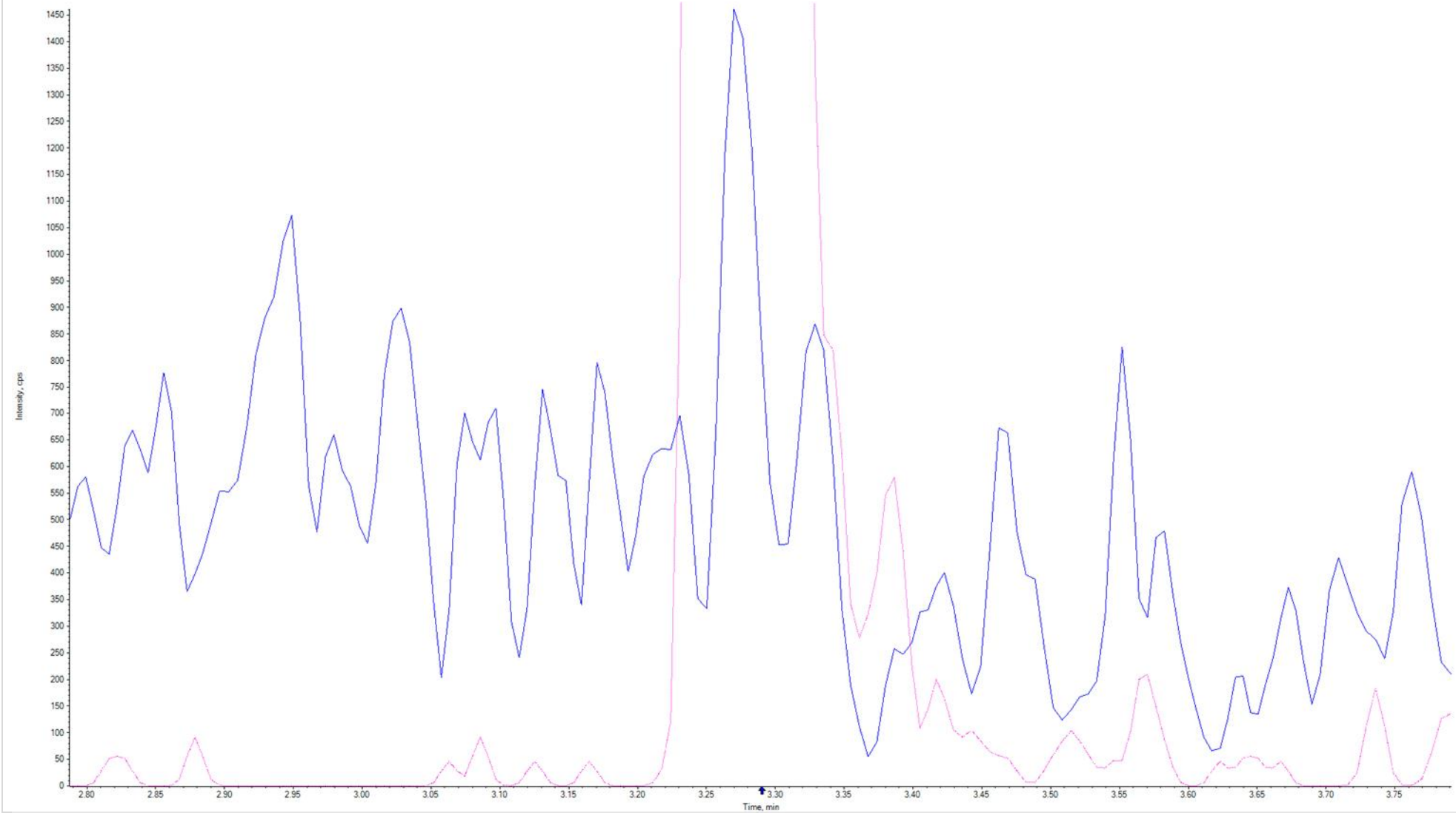
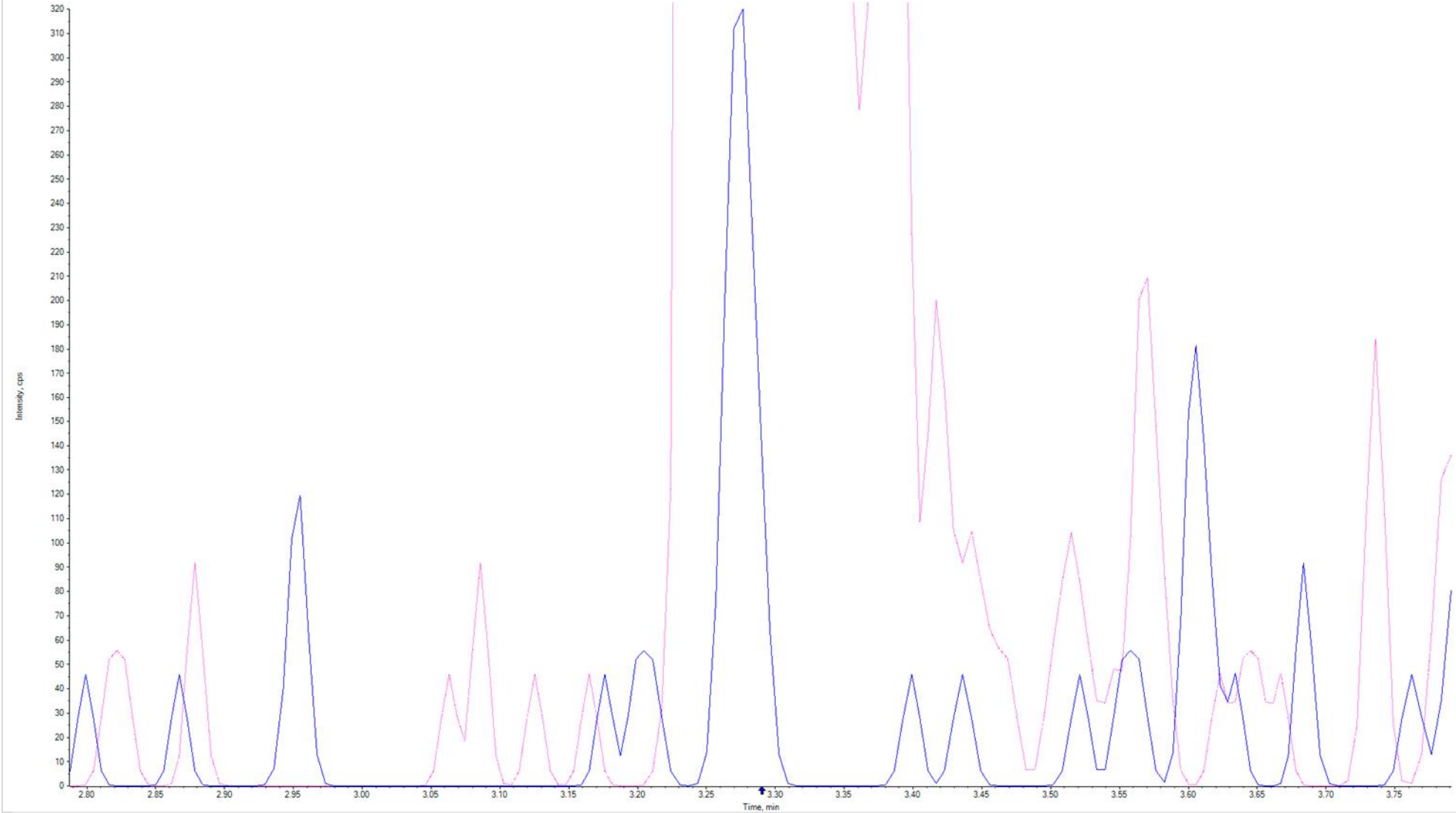
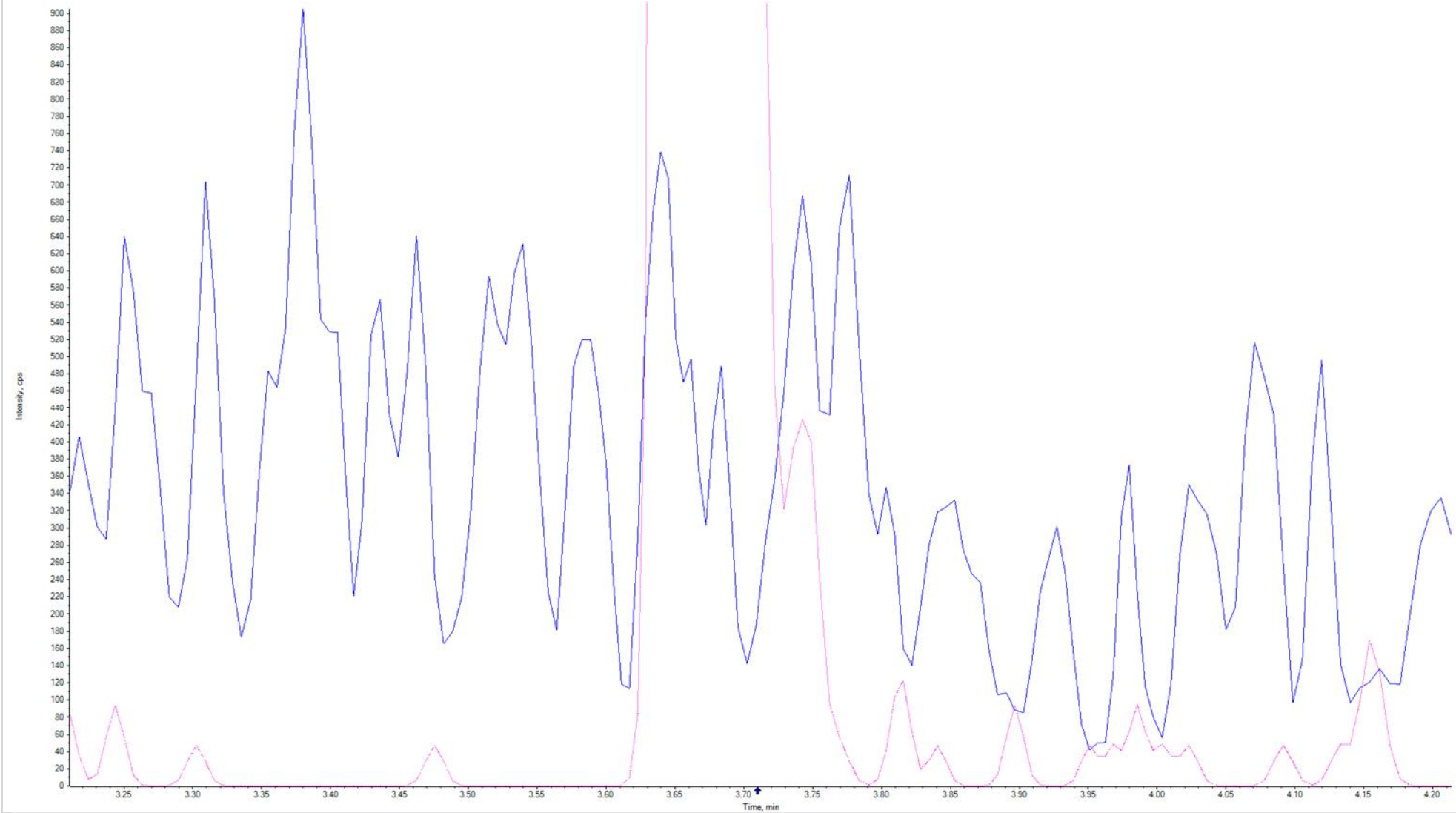


PFOA_2
Sample: L2474358-02 S/N:N/A Points Across peak:N/A



PFNA
Sample: L2474358-02 S/N:N/A Points Across peak:N/A



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PFNA_2
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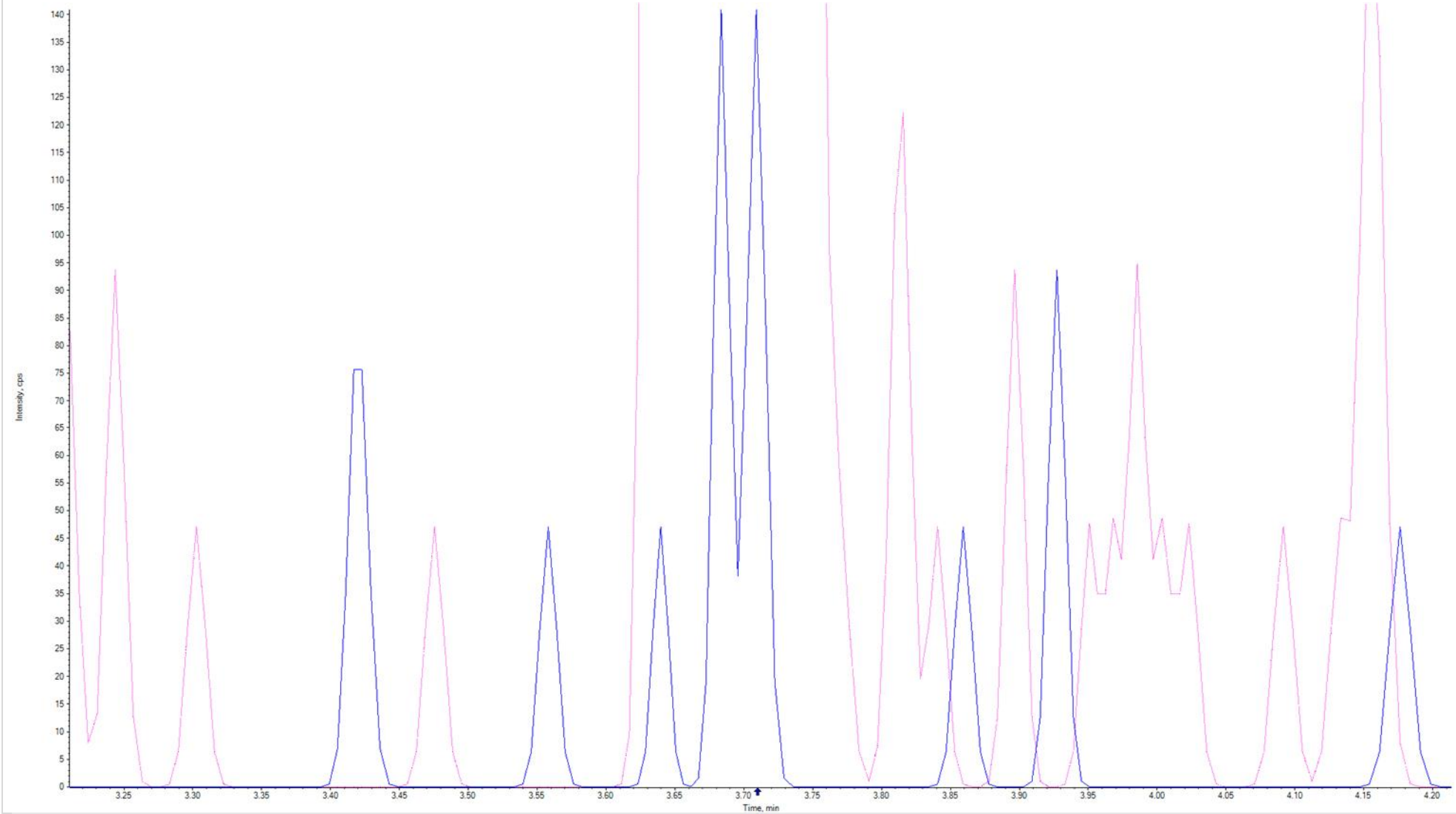

PFDA
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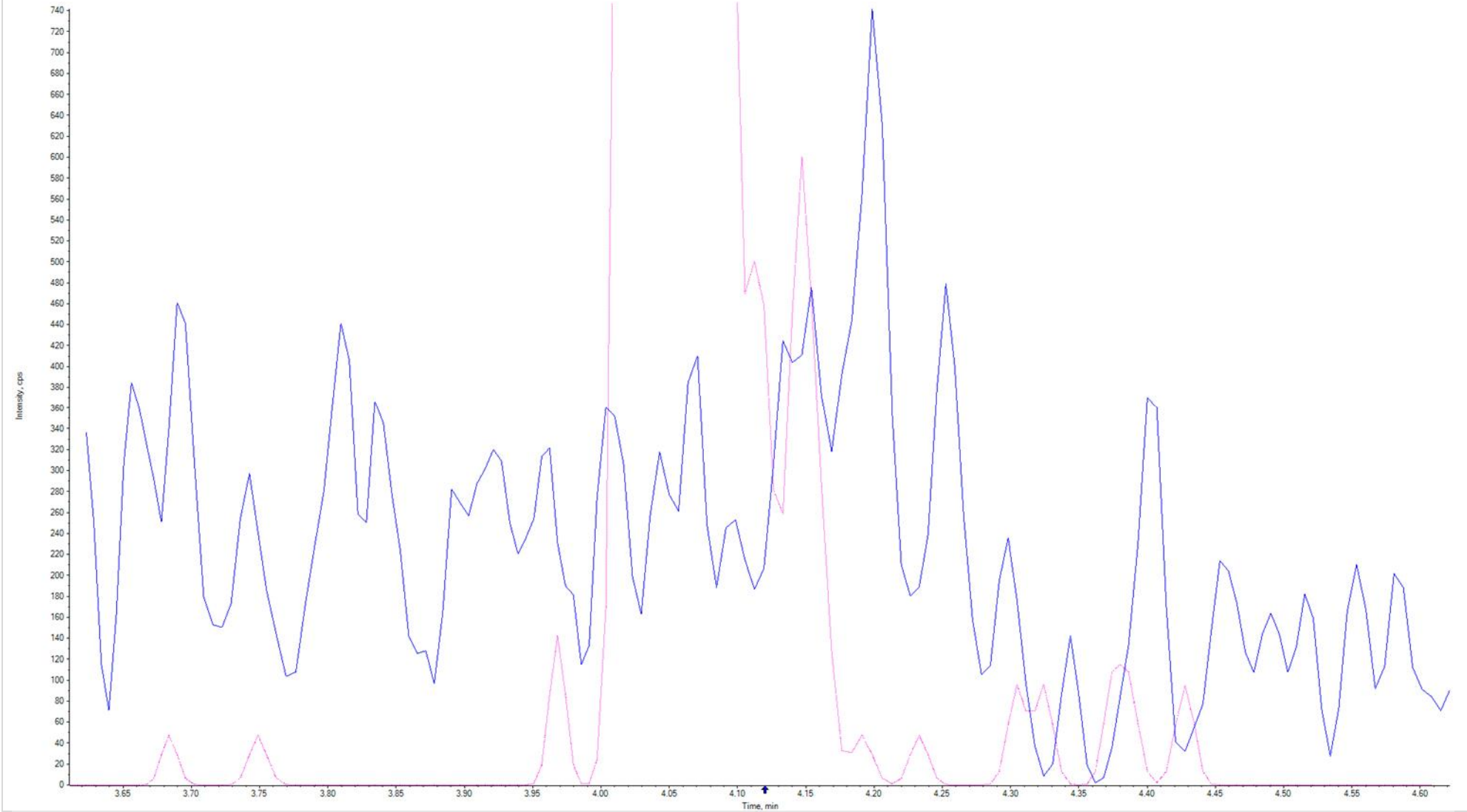

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PFDA_2
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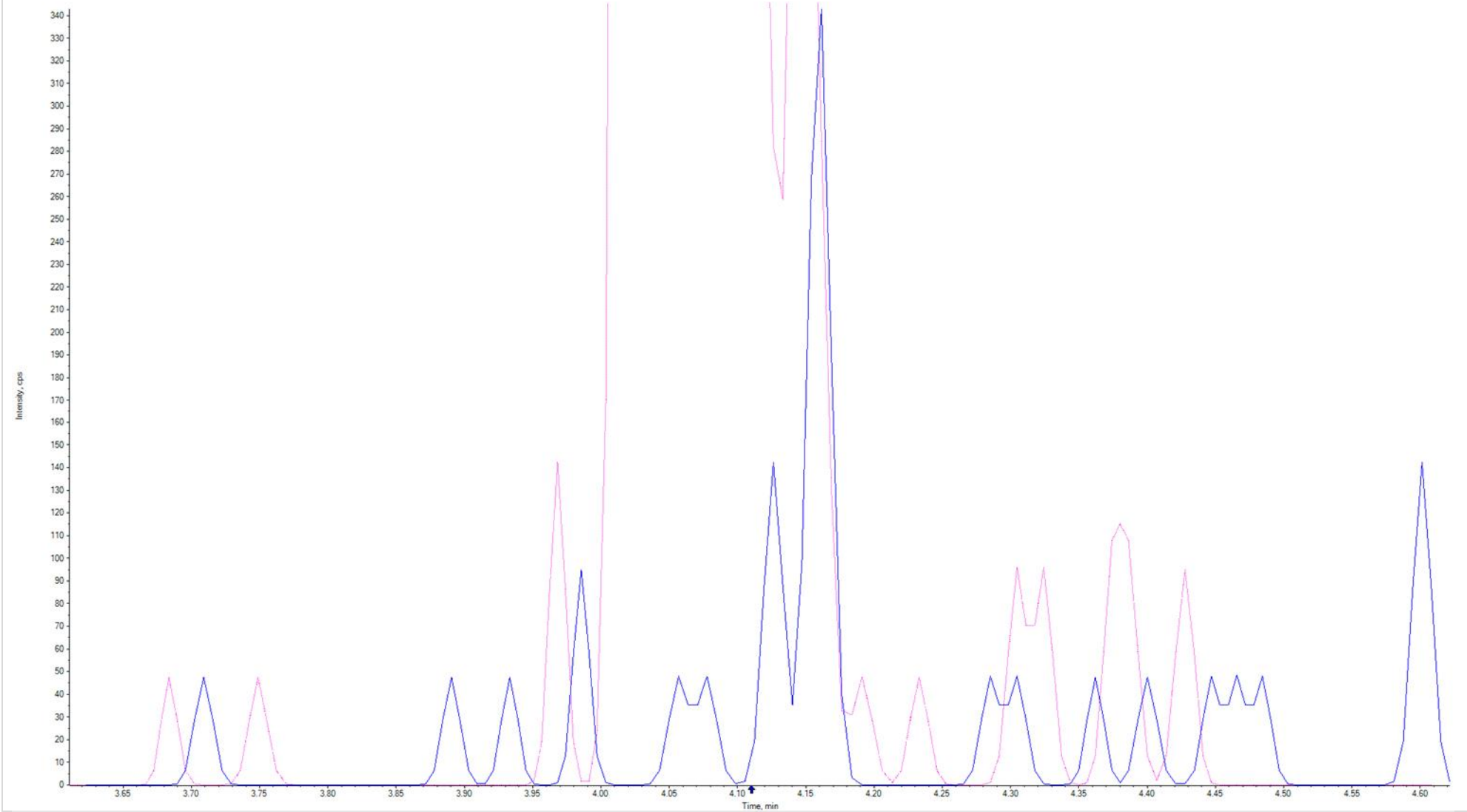

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PFUnA
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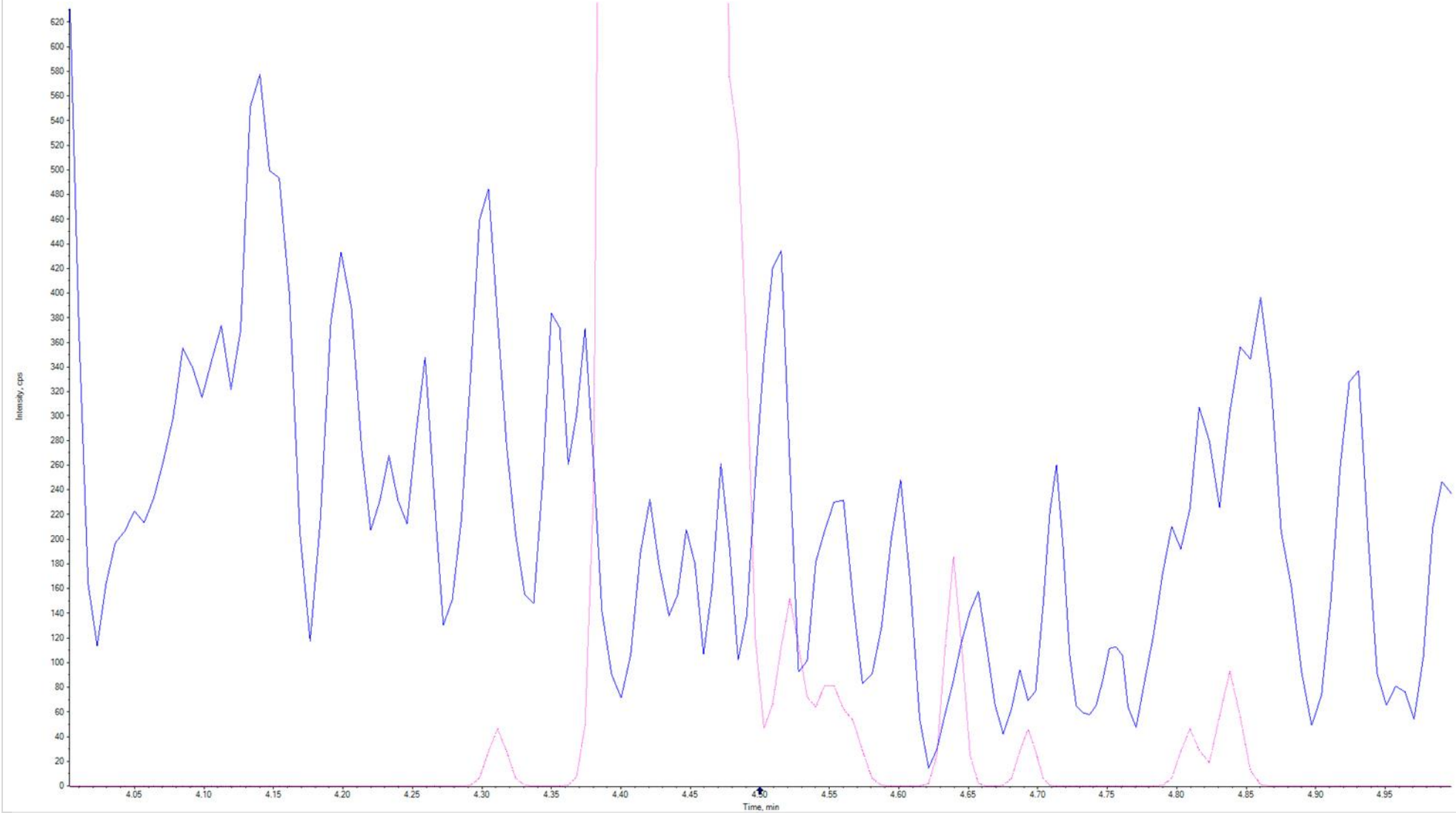

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PFUnA_2
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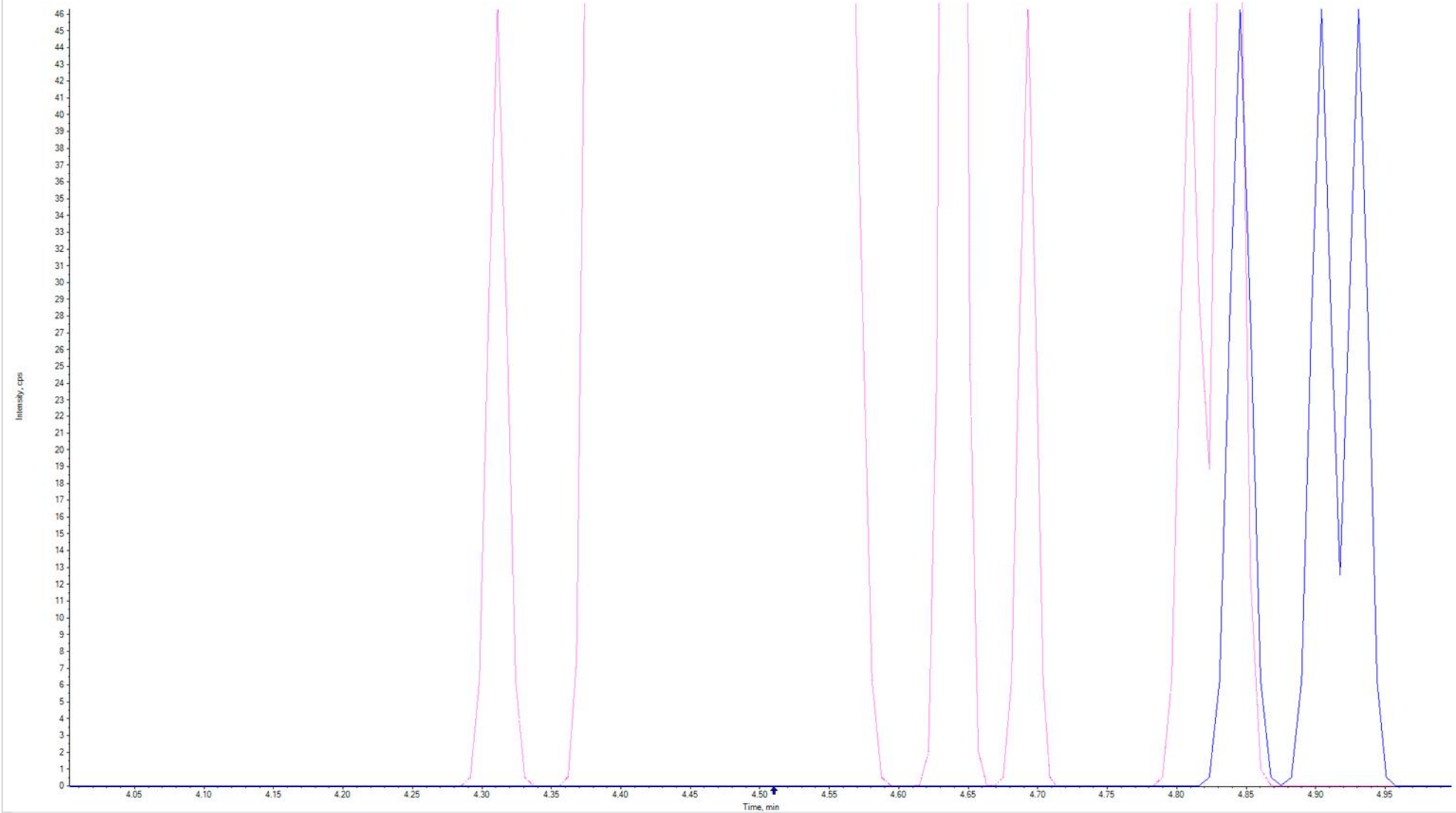

PFDoA
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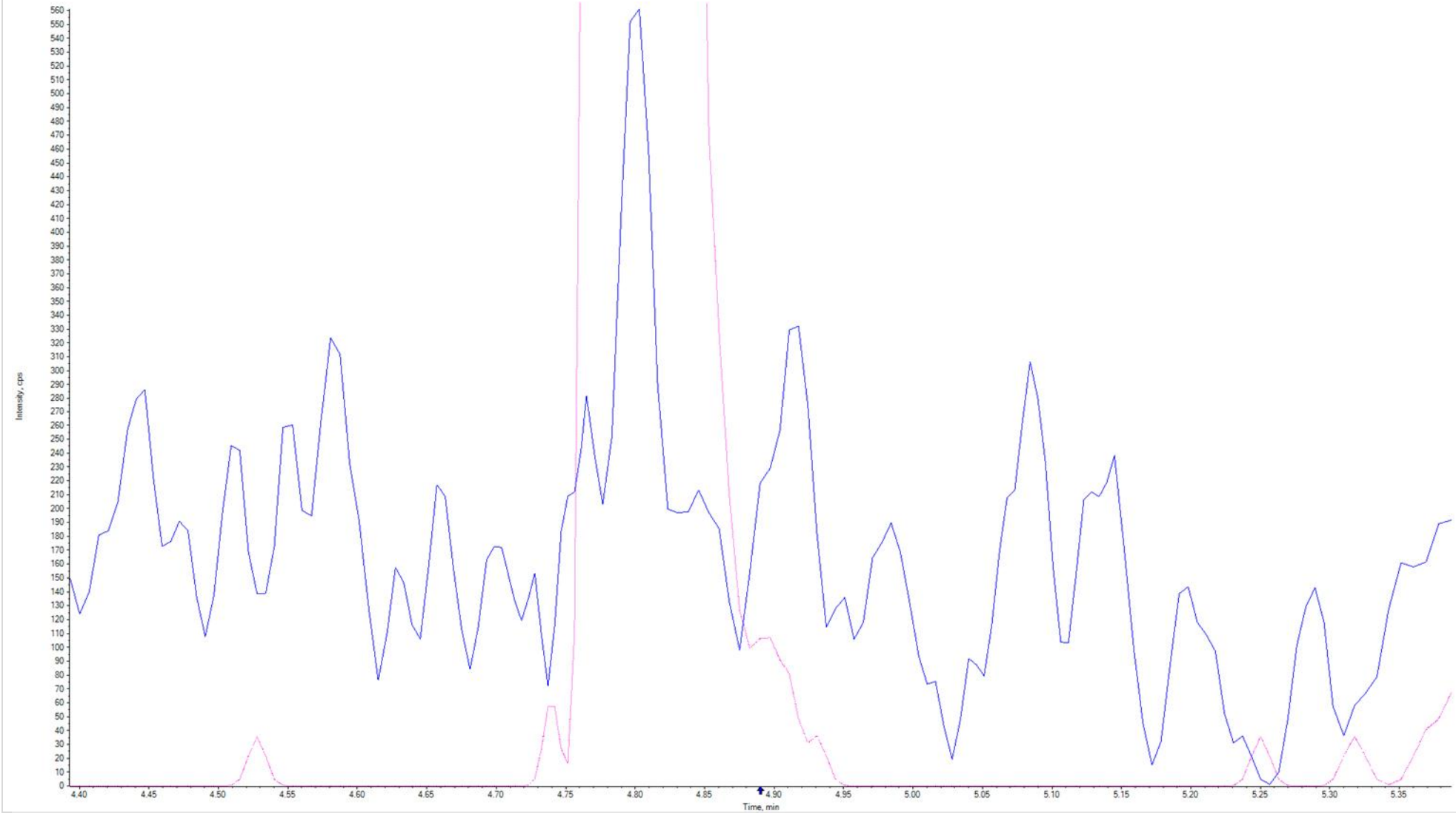

PFDoA_2
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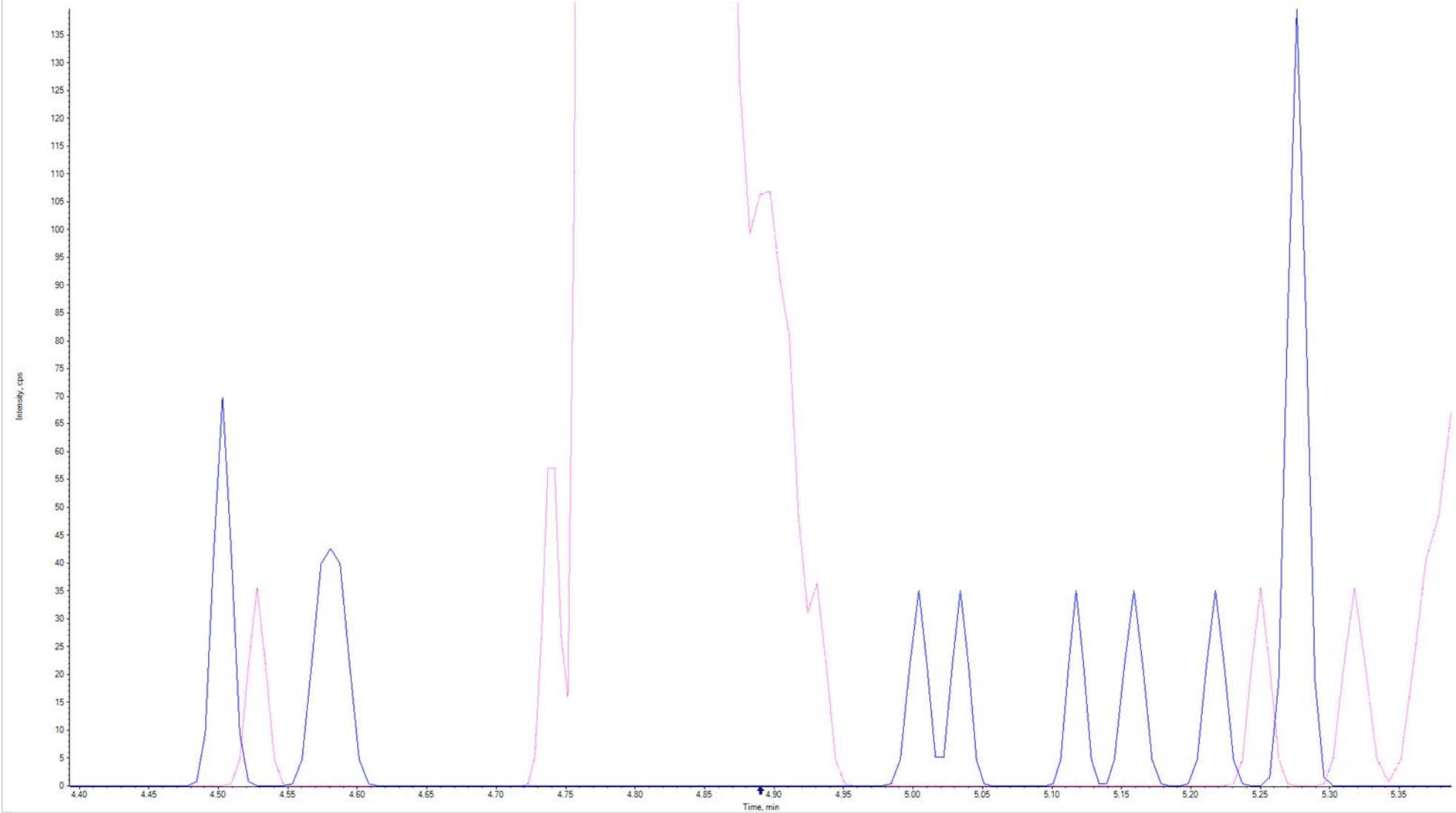

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PFTrDA
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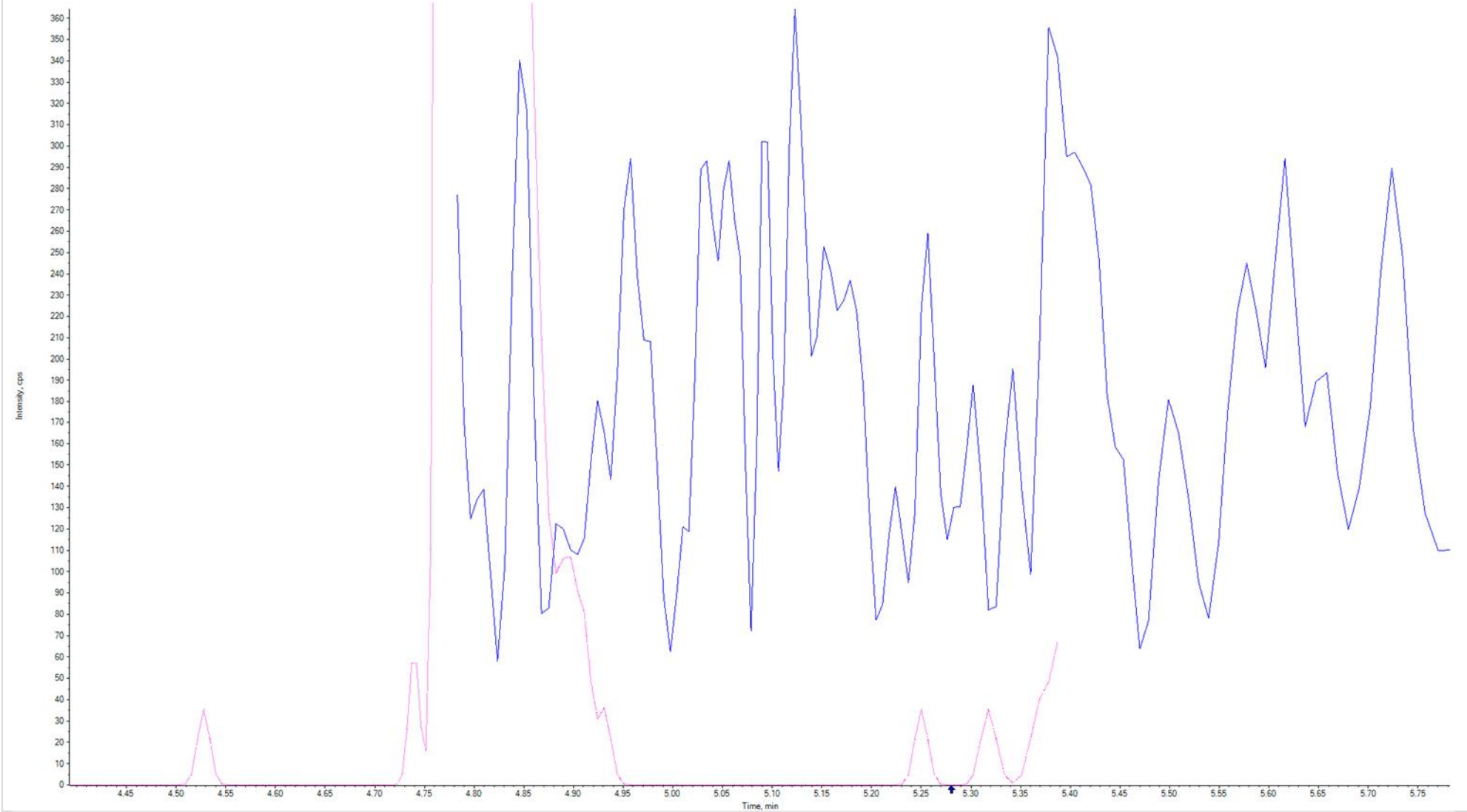

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PFTrDA_2
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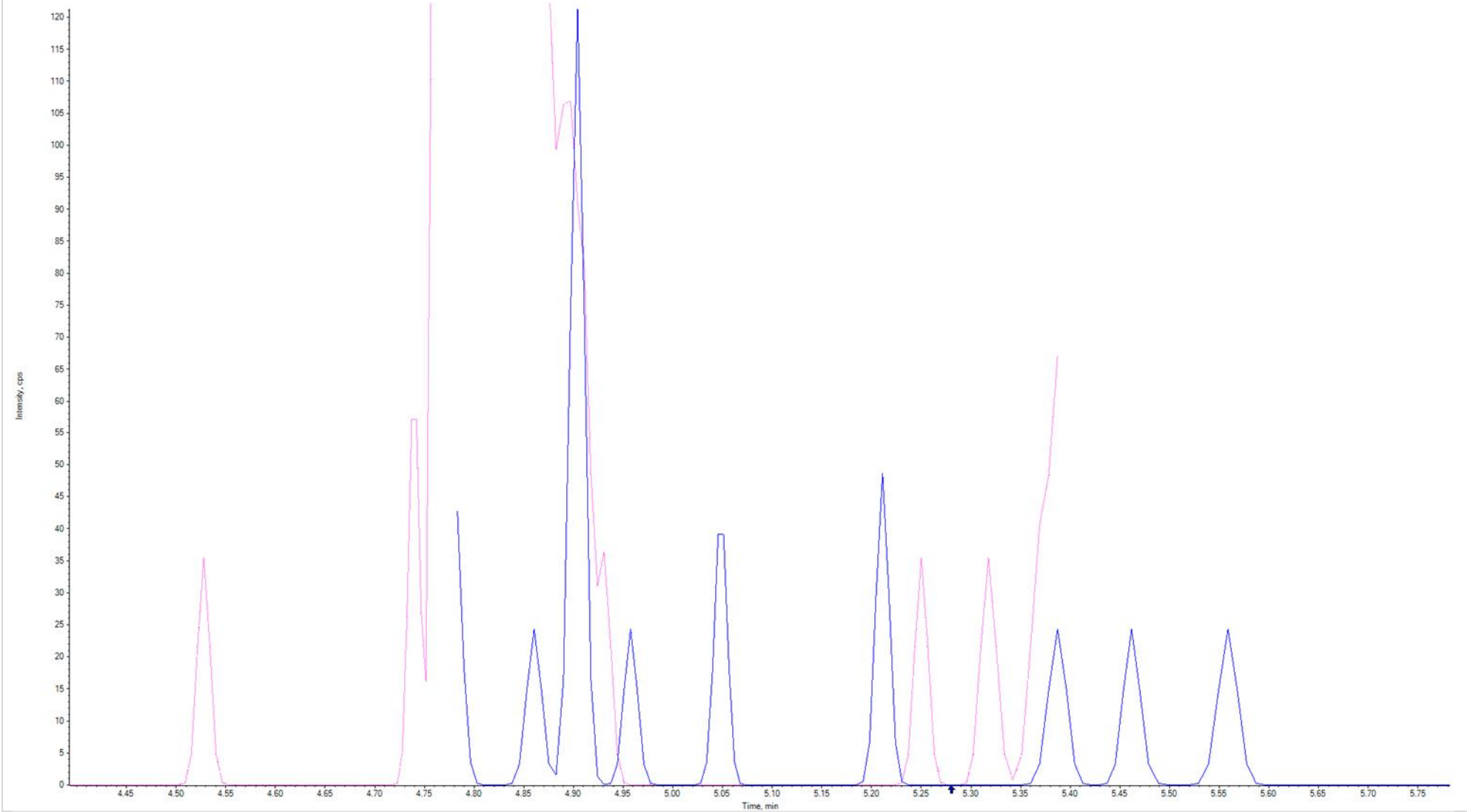

PFTeDA
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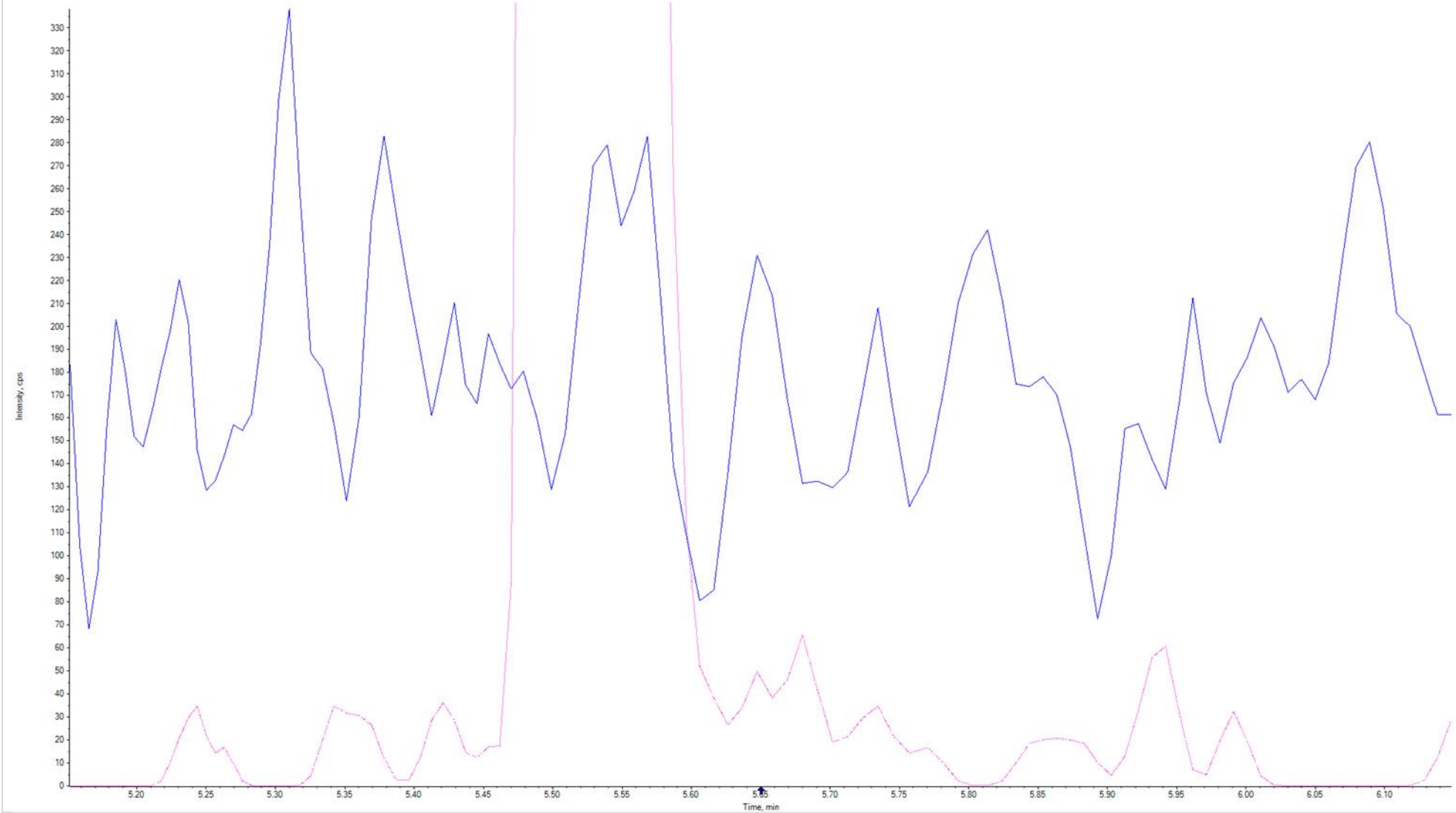

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PFTeDA_2
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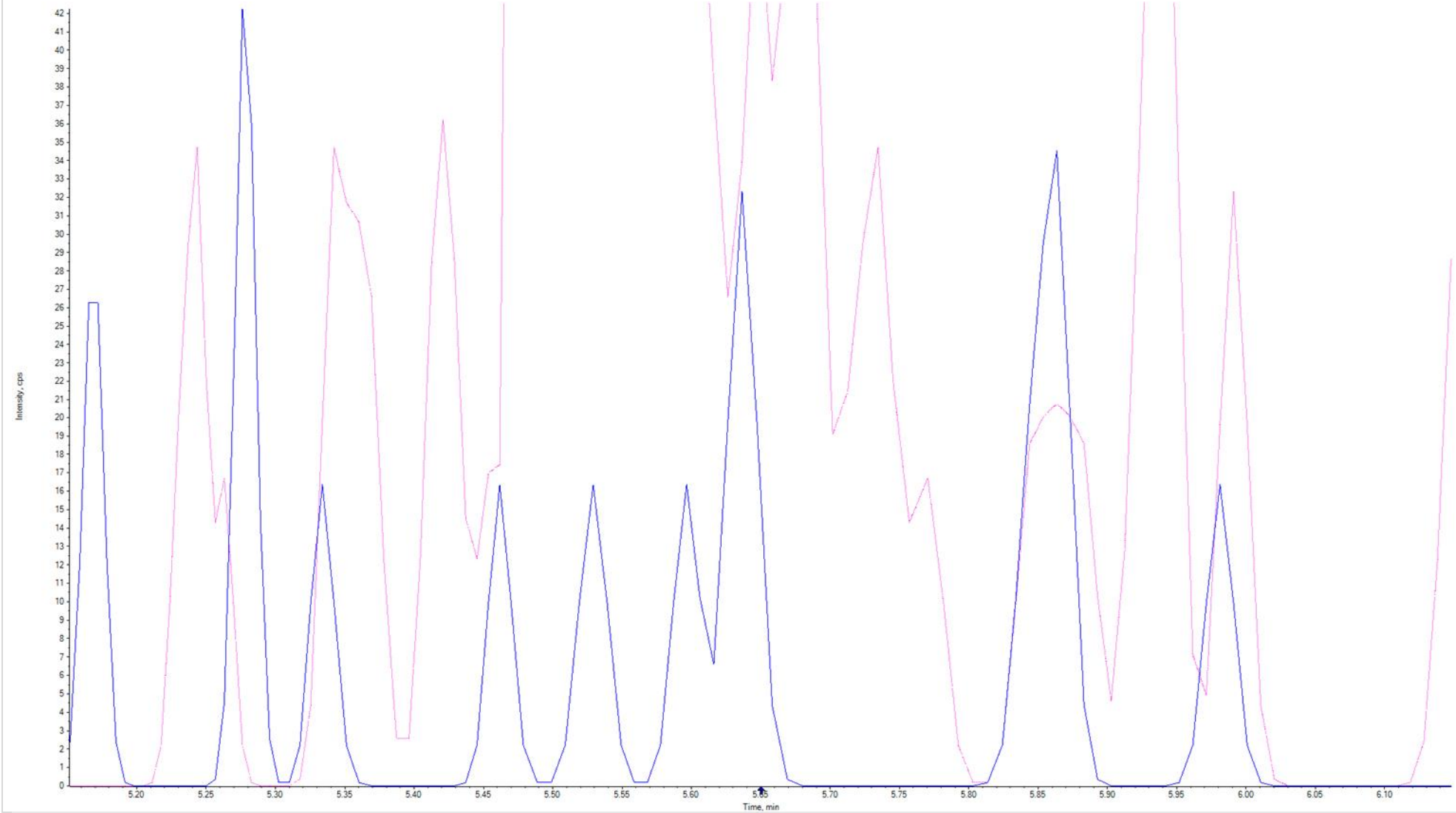

PFBS
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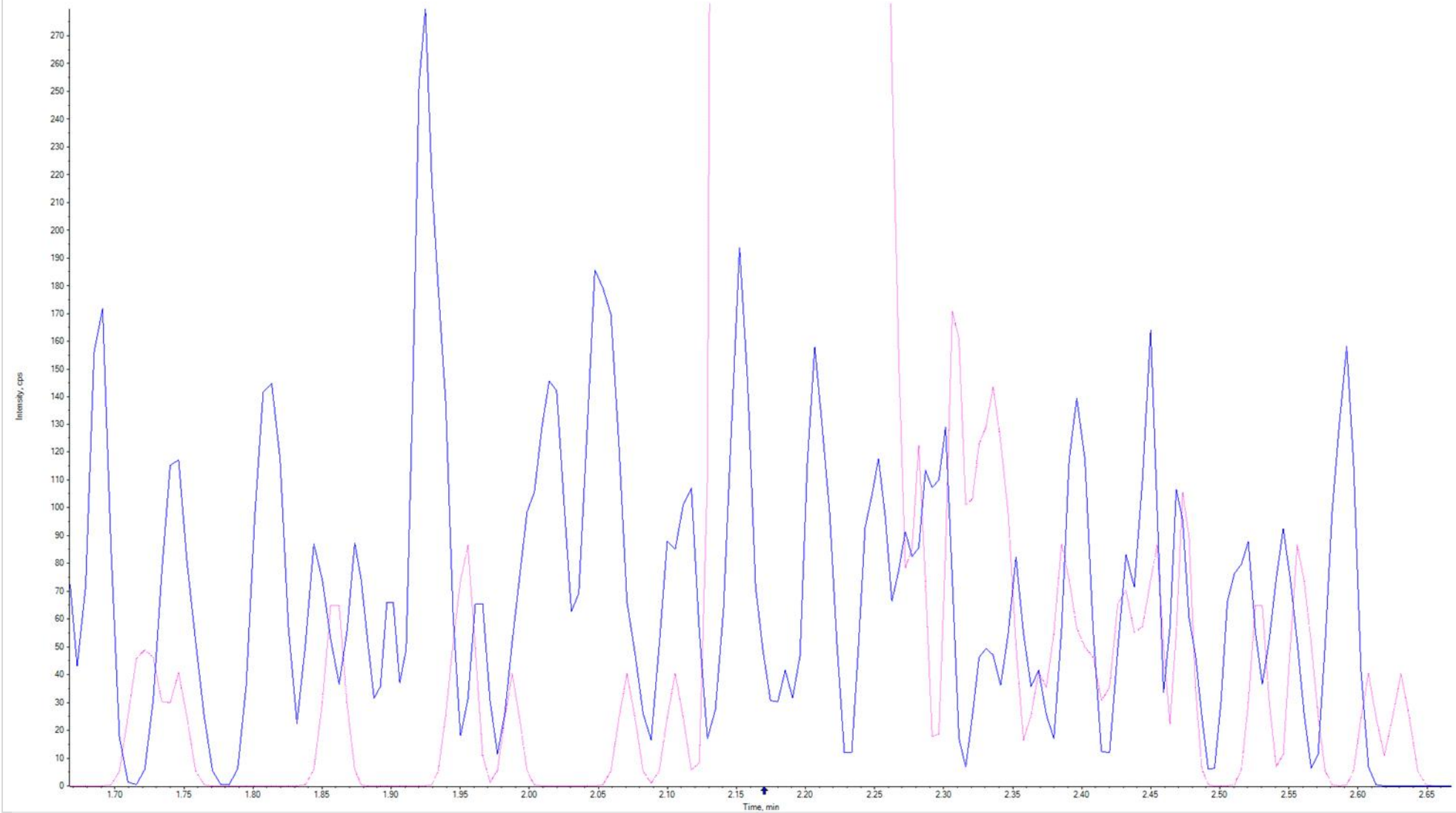

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFBS_2
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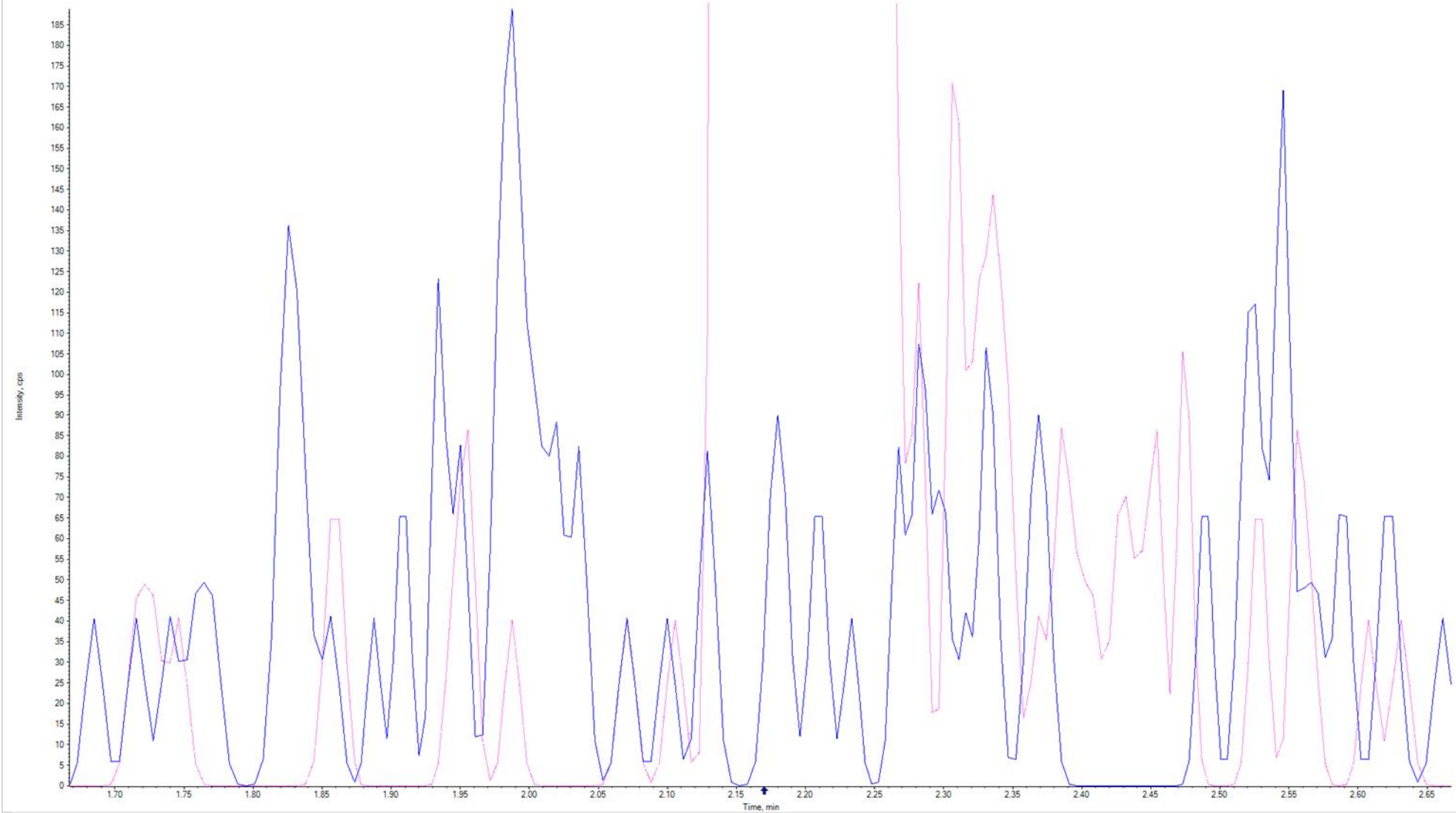
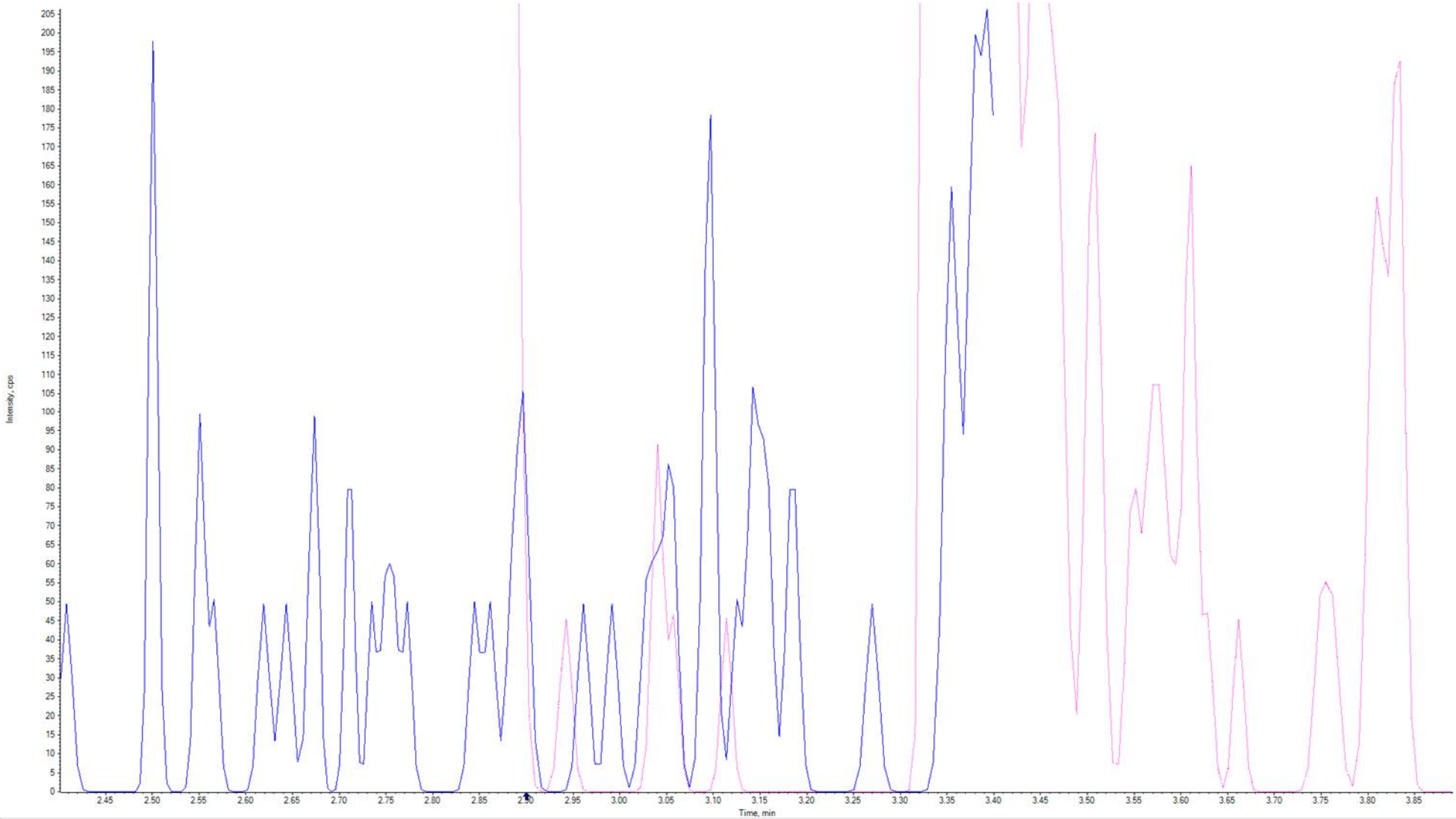


PFPeS
Sample: L2474358-02 S/N:N/A Points Across peak:N/A



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PFPeS_2
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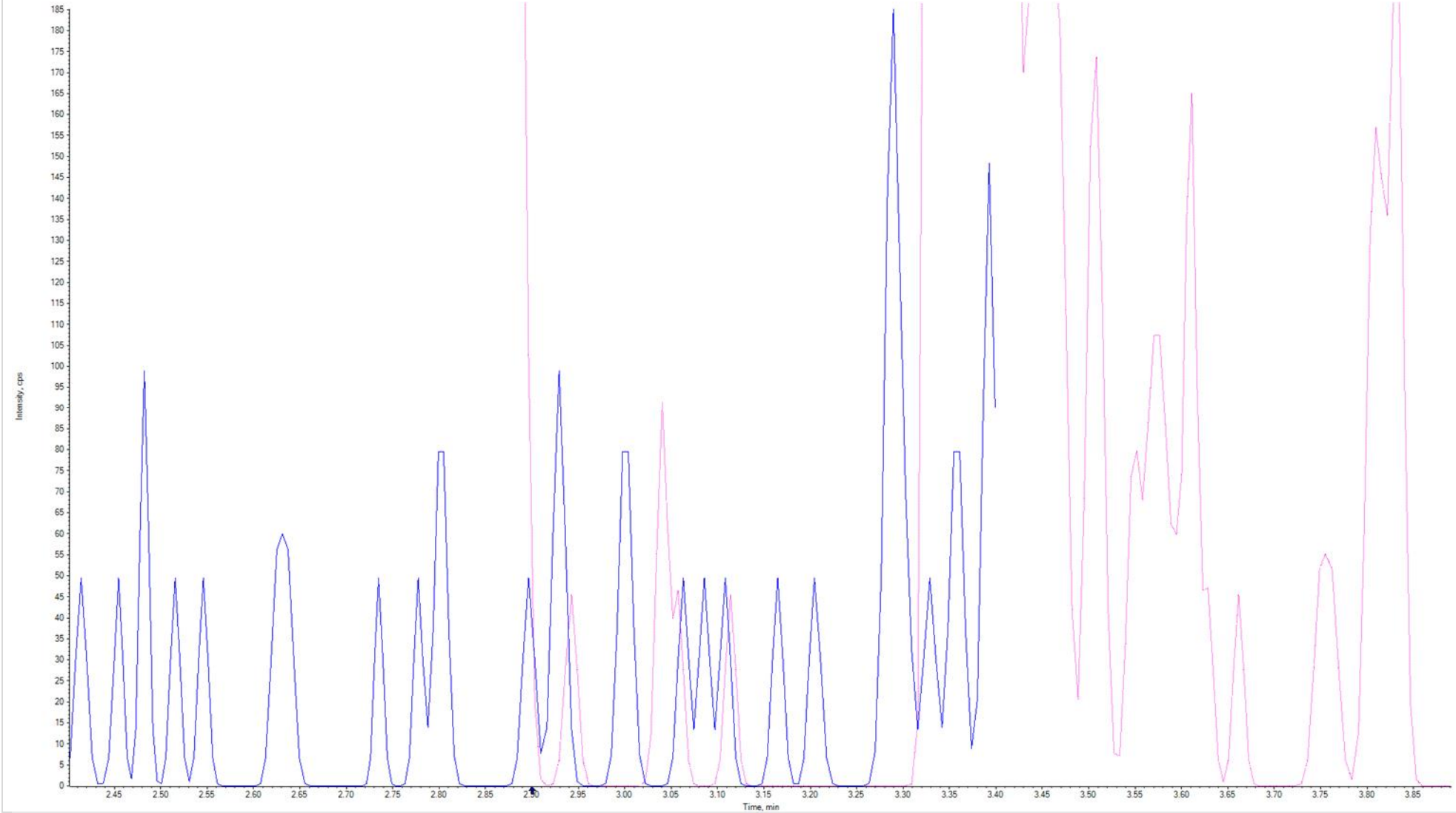

PFHxS
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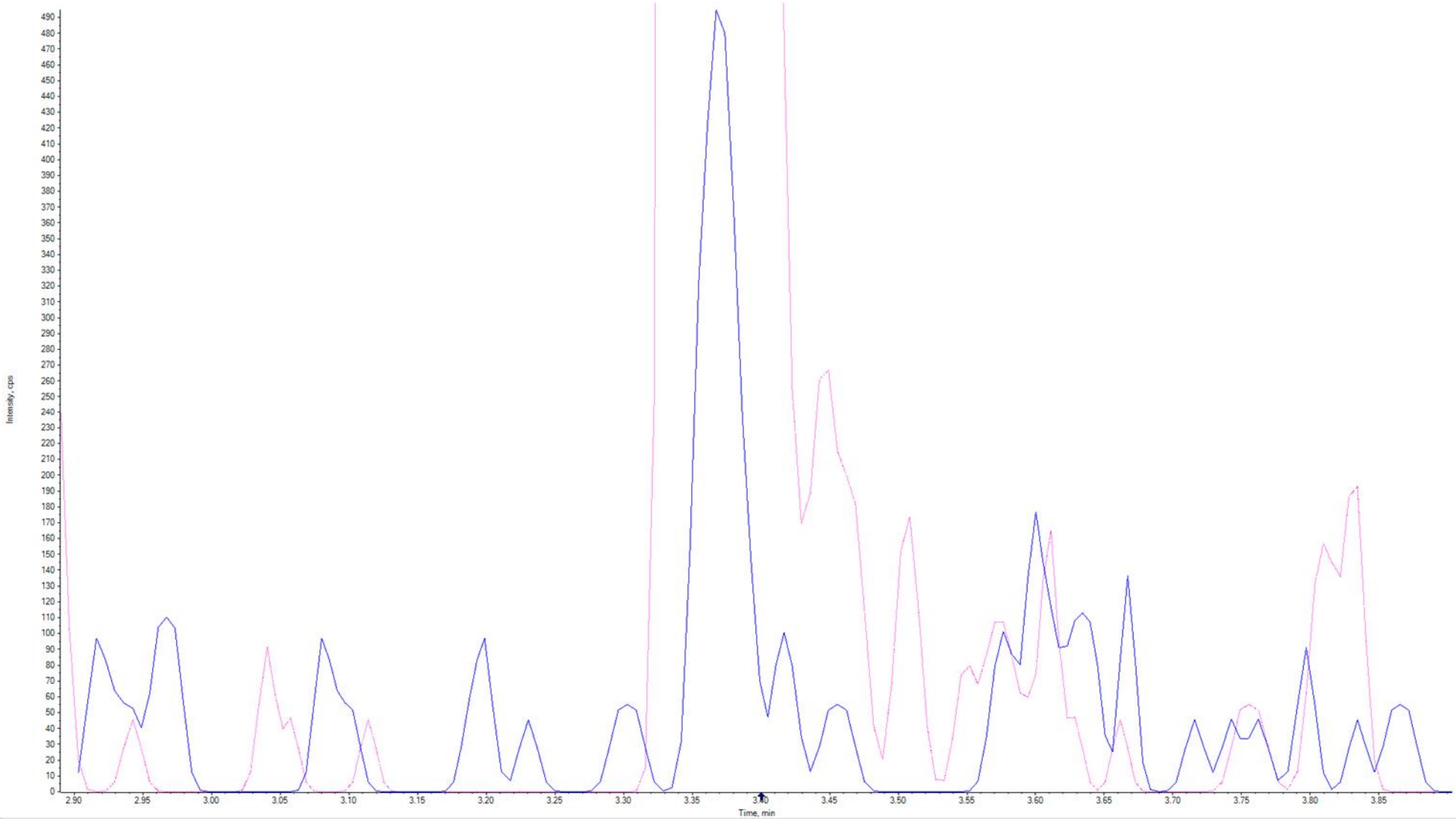

PFHxS_2
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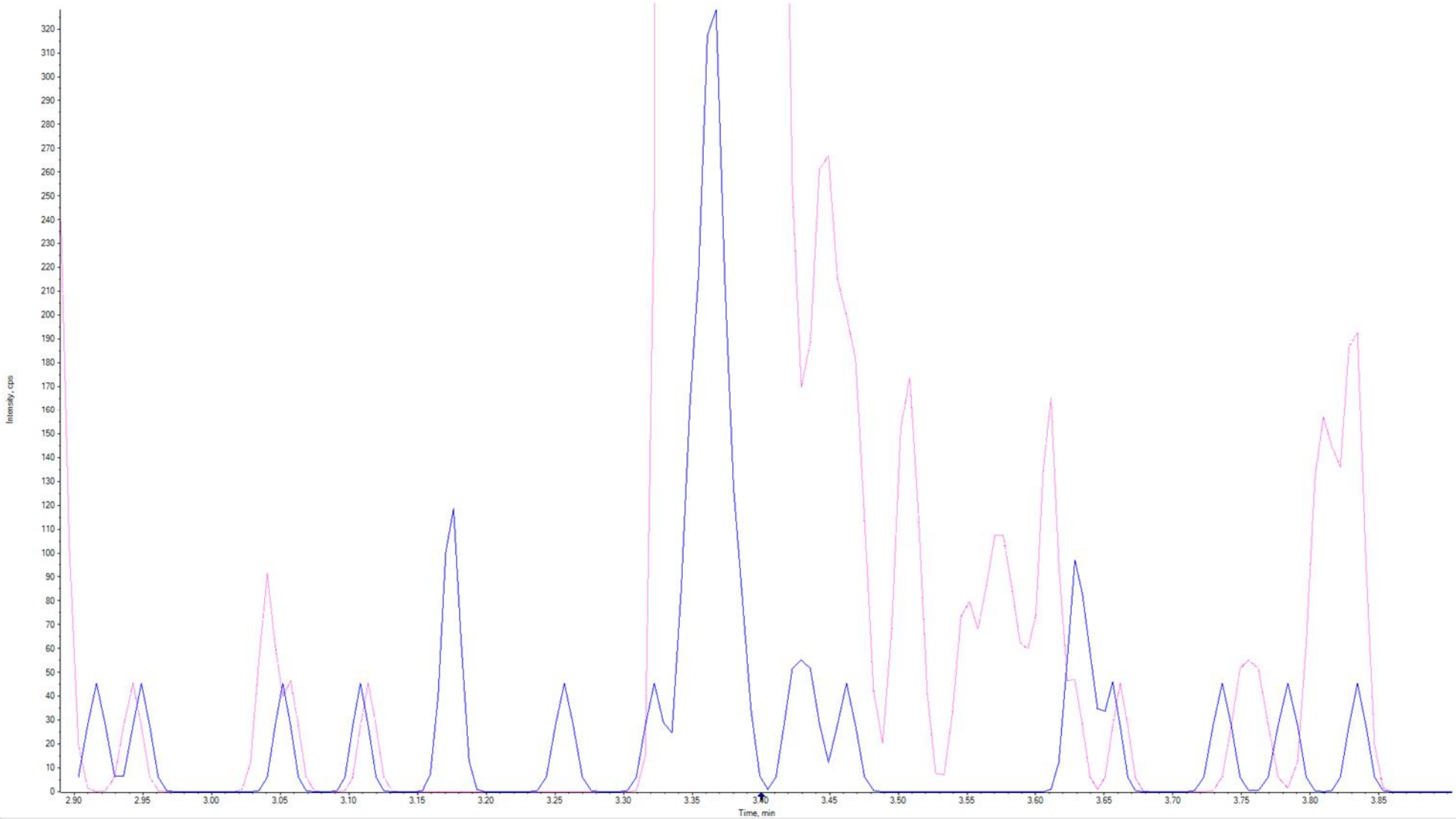

PFHpS
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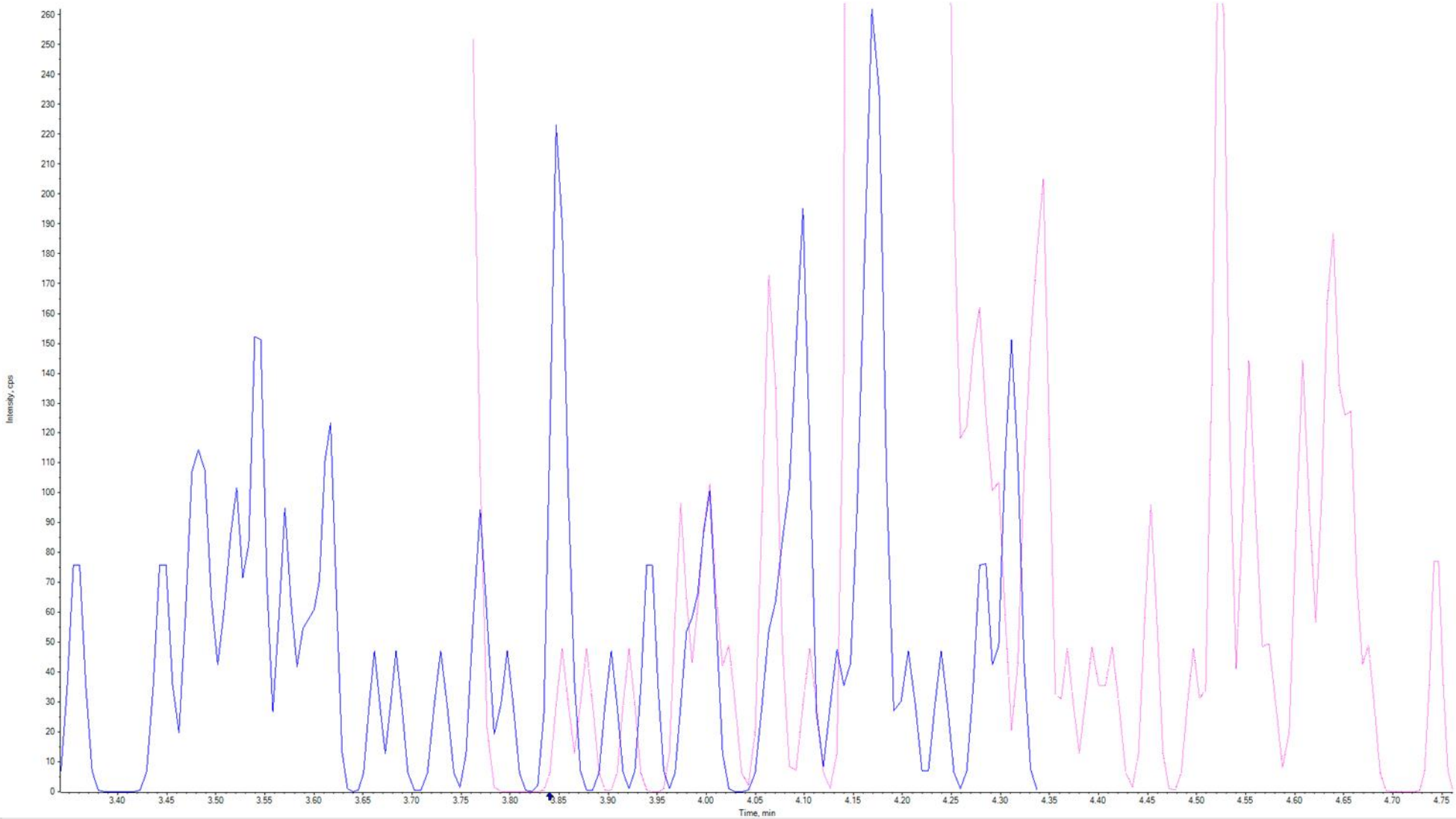

PFHpS_2
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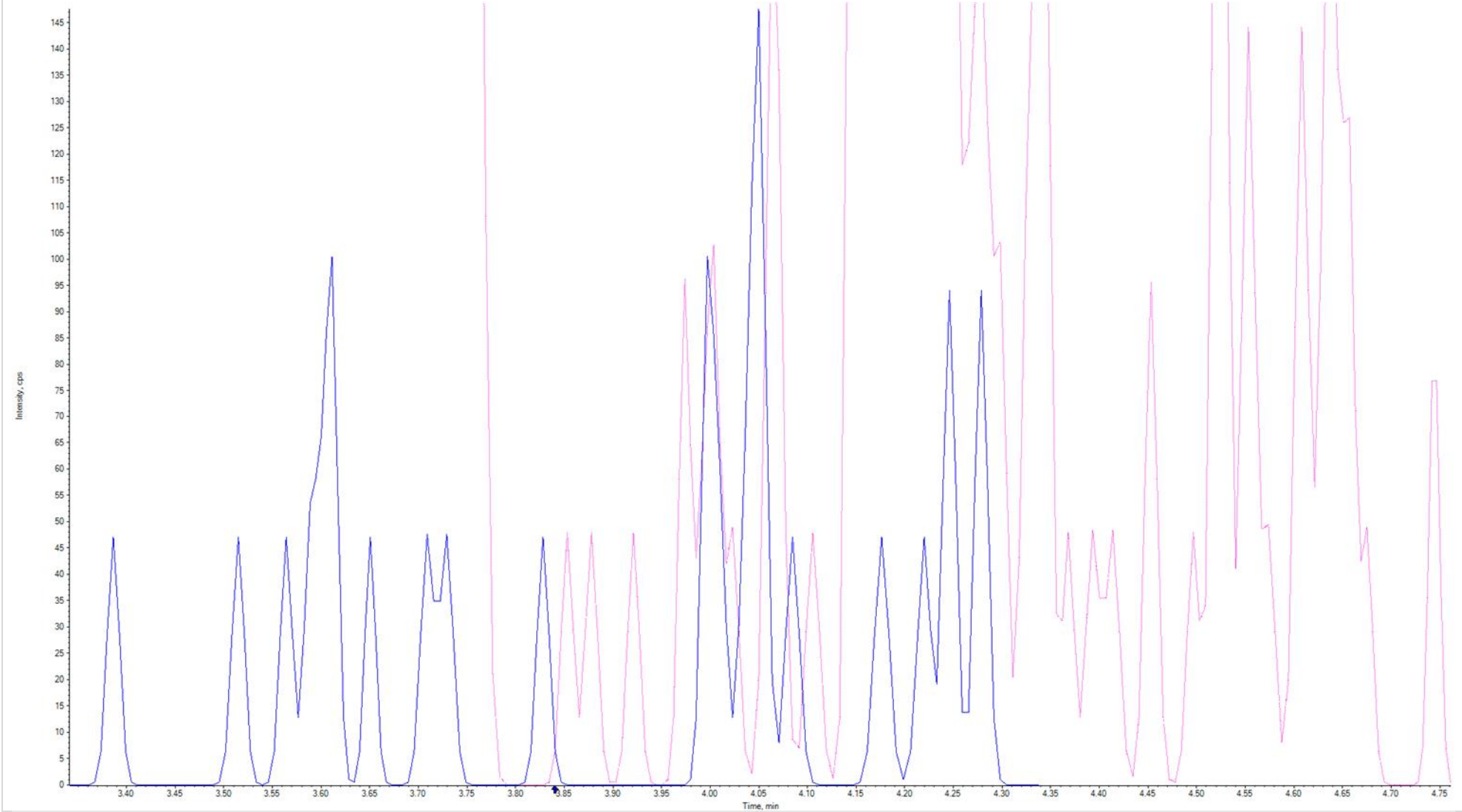

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PFOS
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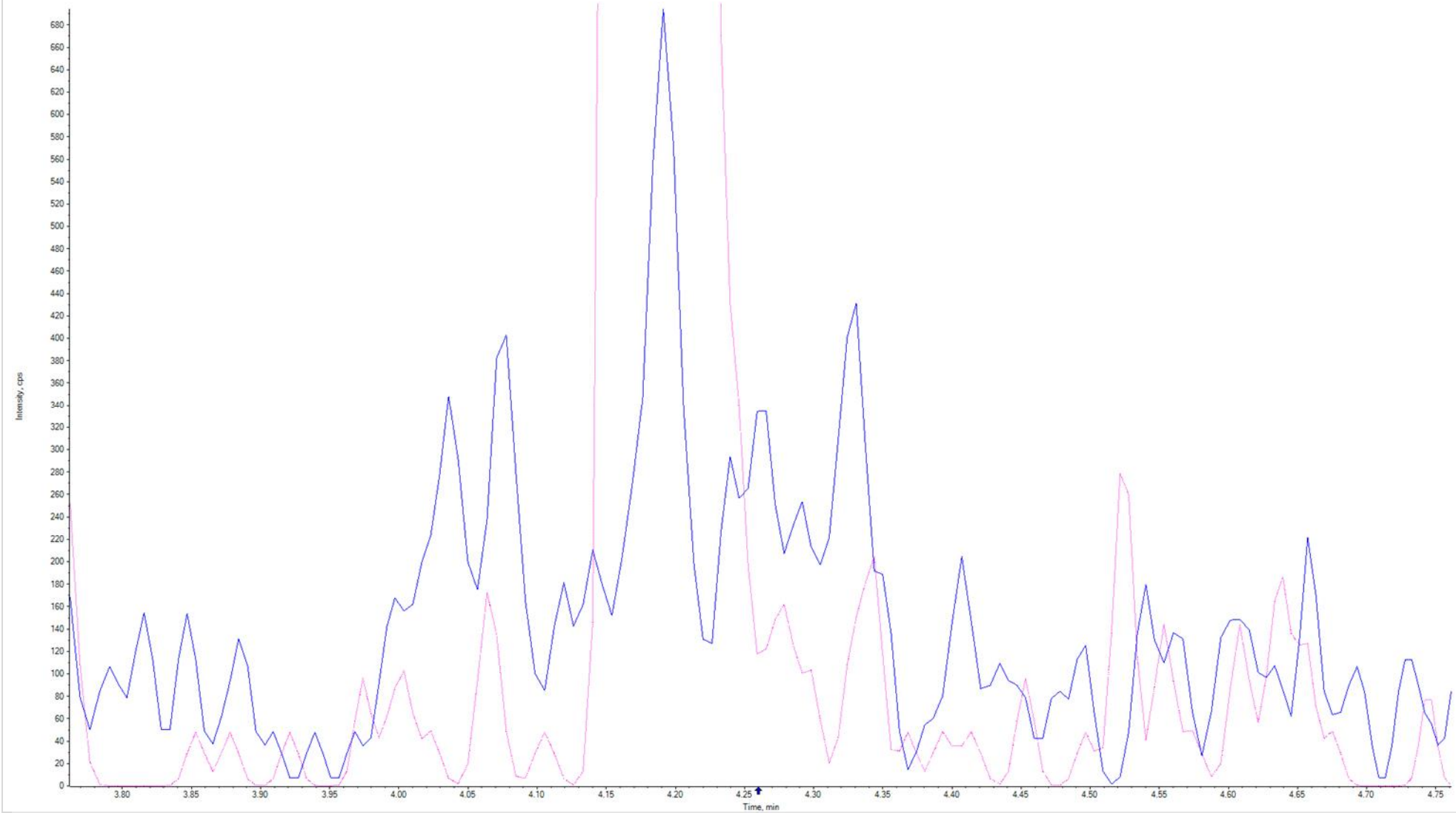

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PFOS_2
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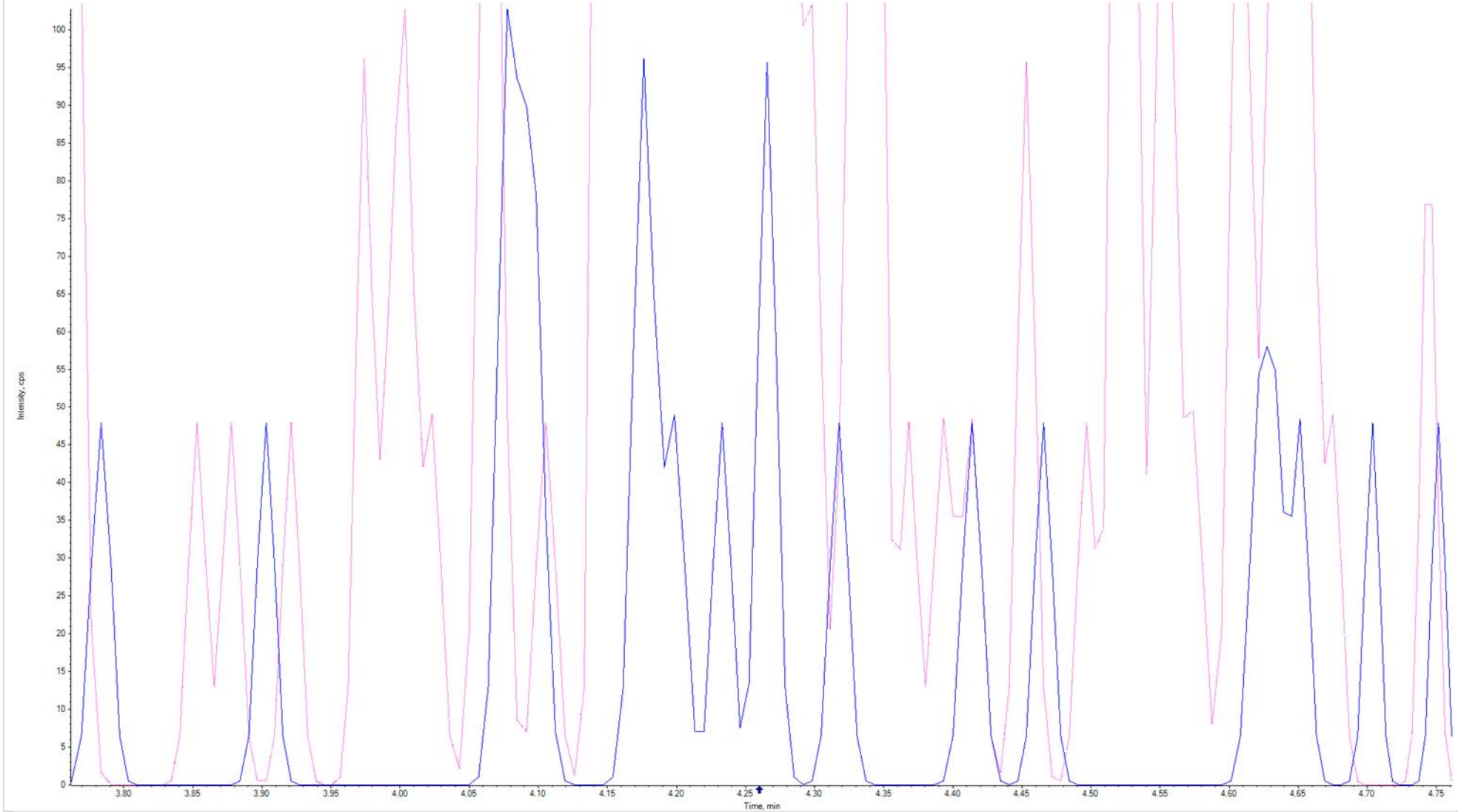

PFNS
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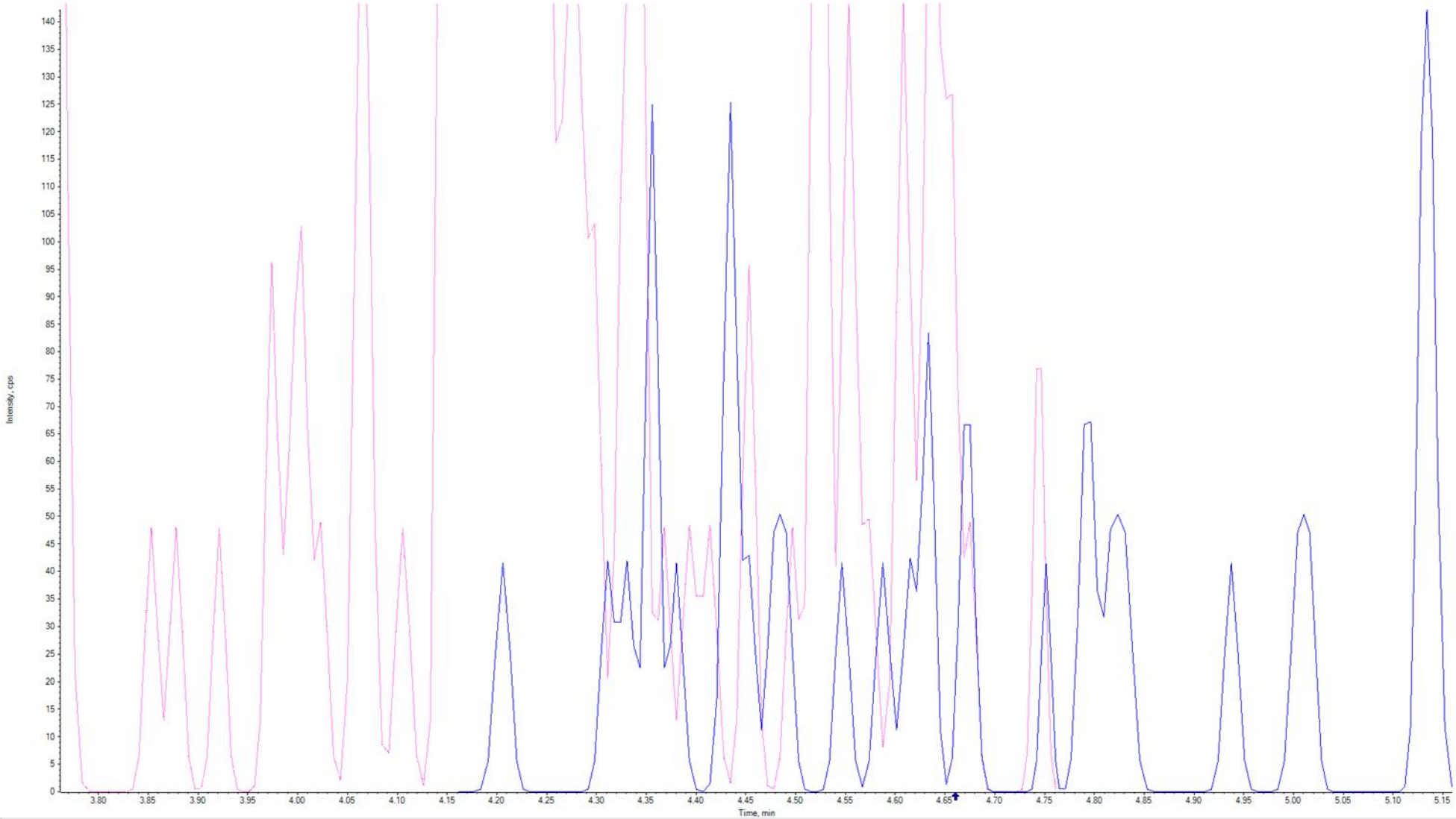

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFNS_2
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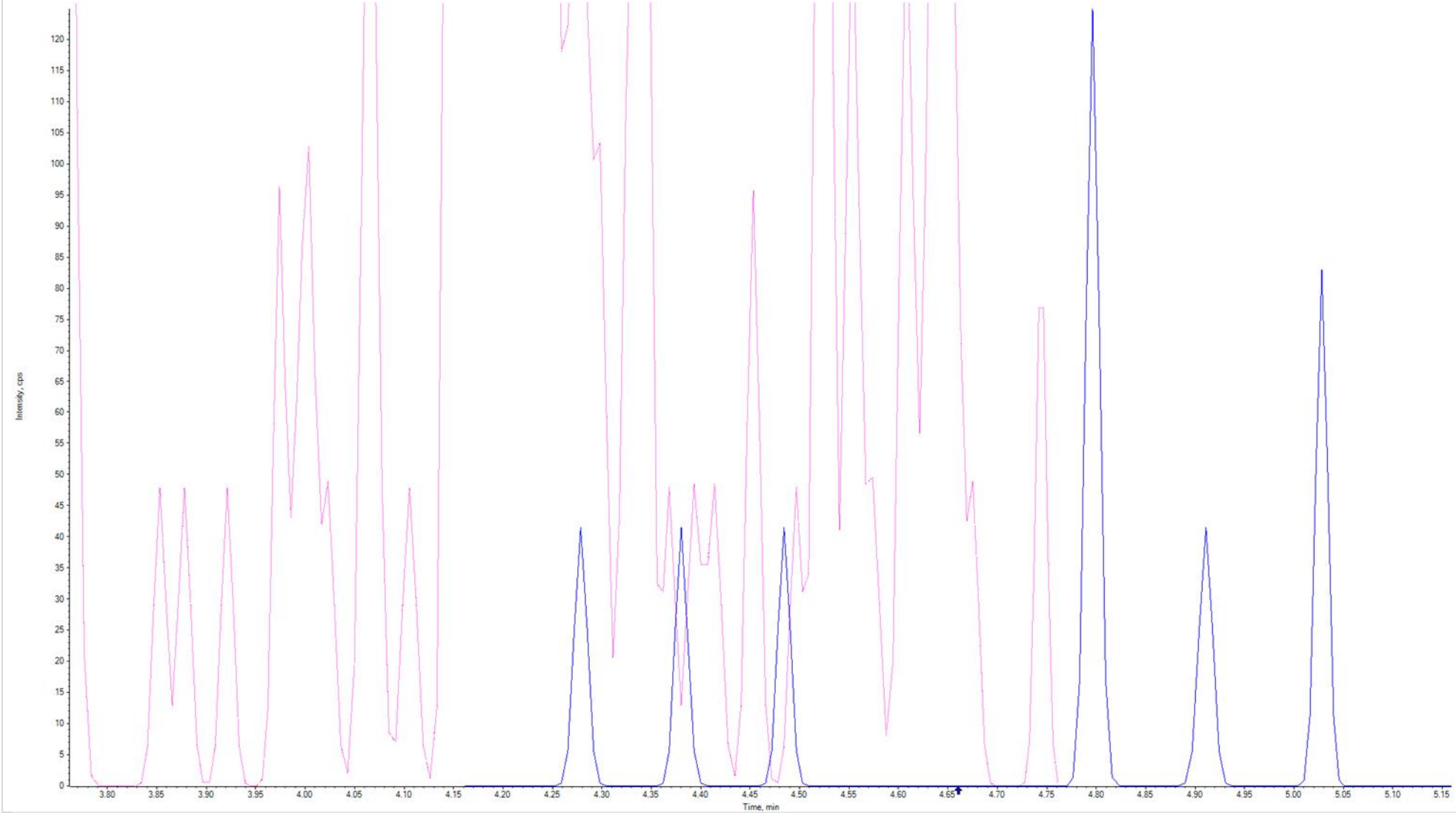

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 2:21:21 AM
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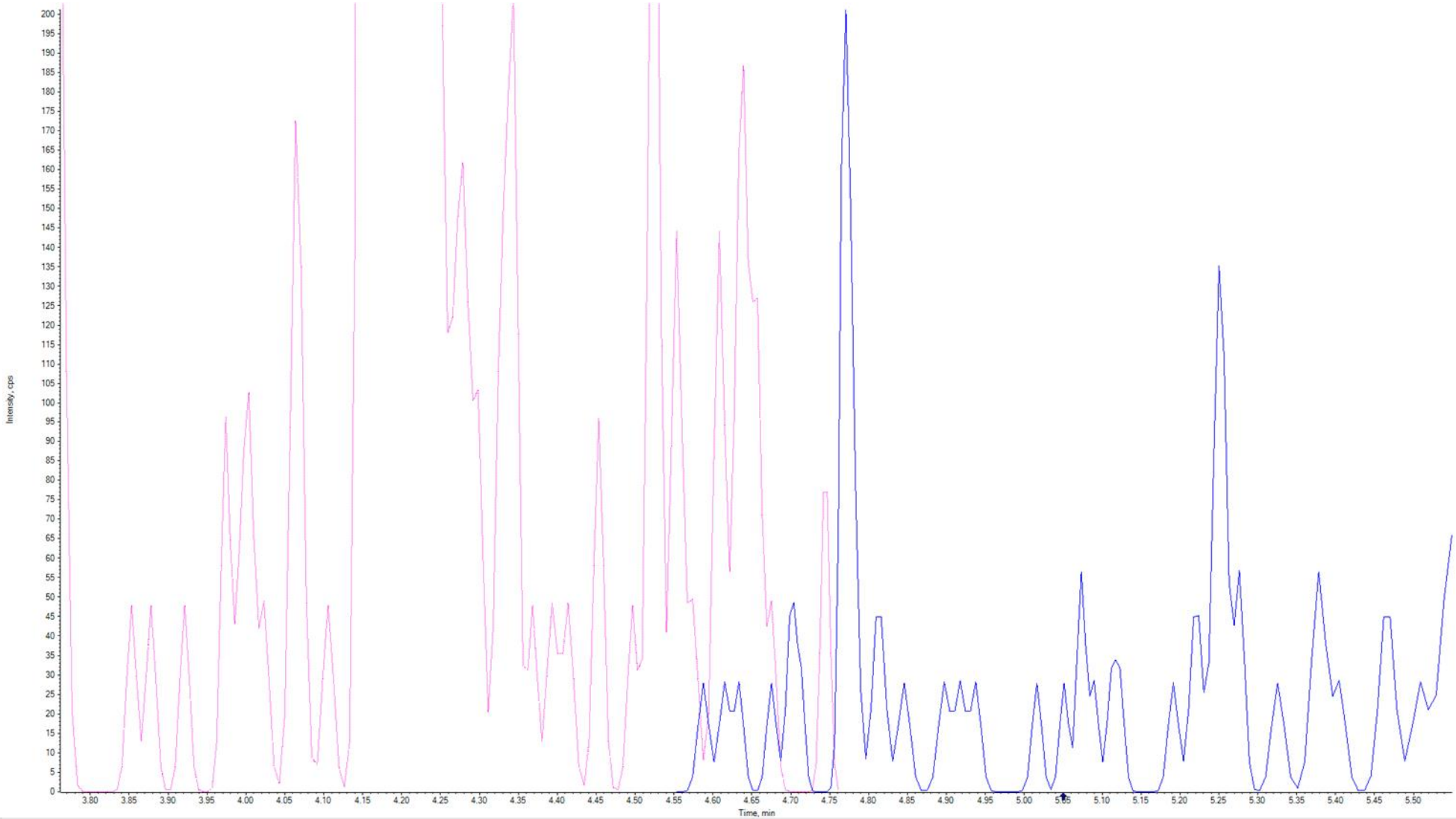
PFDS
Sample: L2474358-02 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFDS_2
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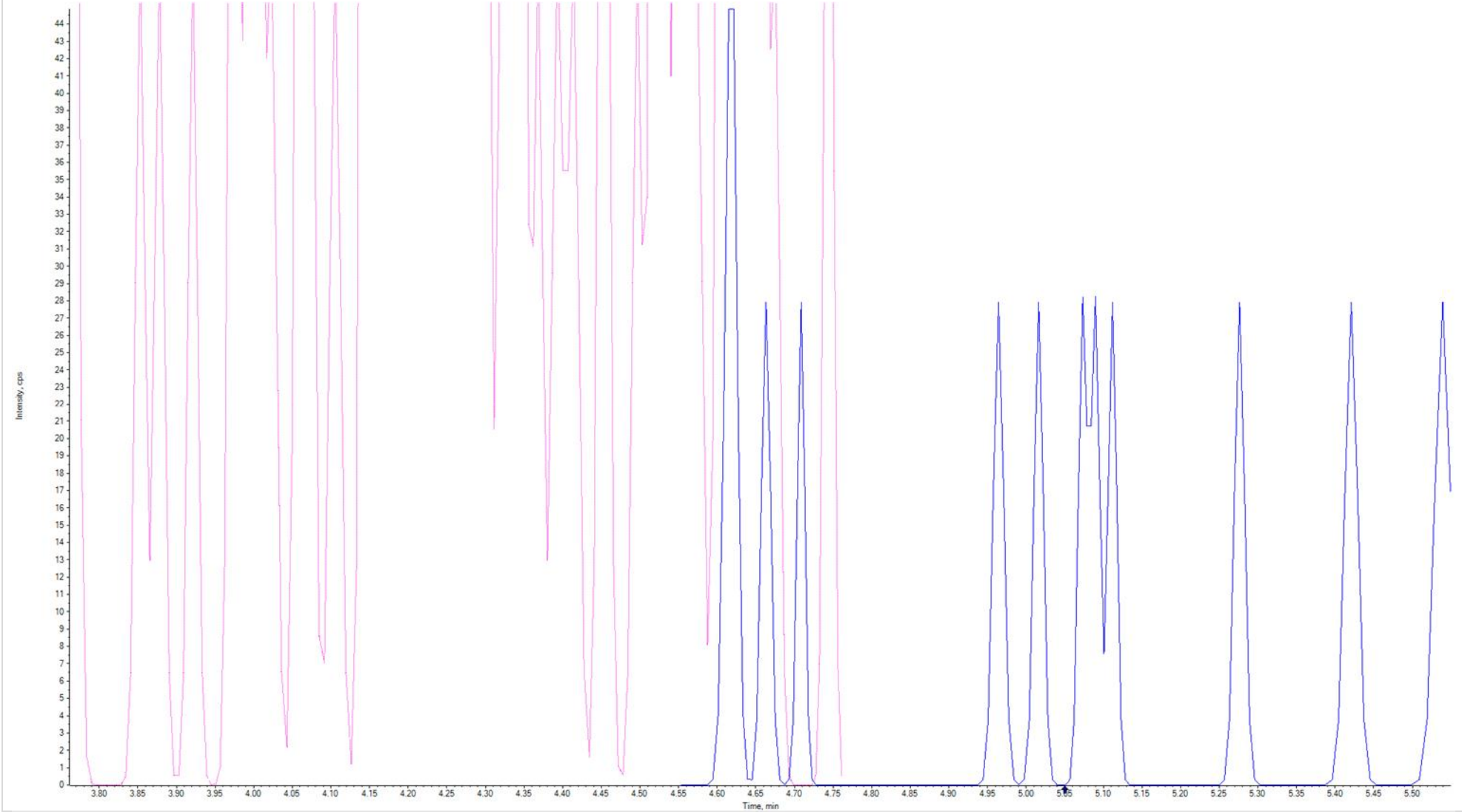

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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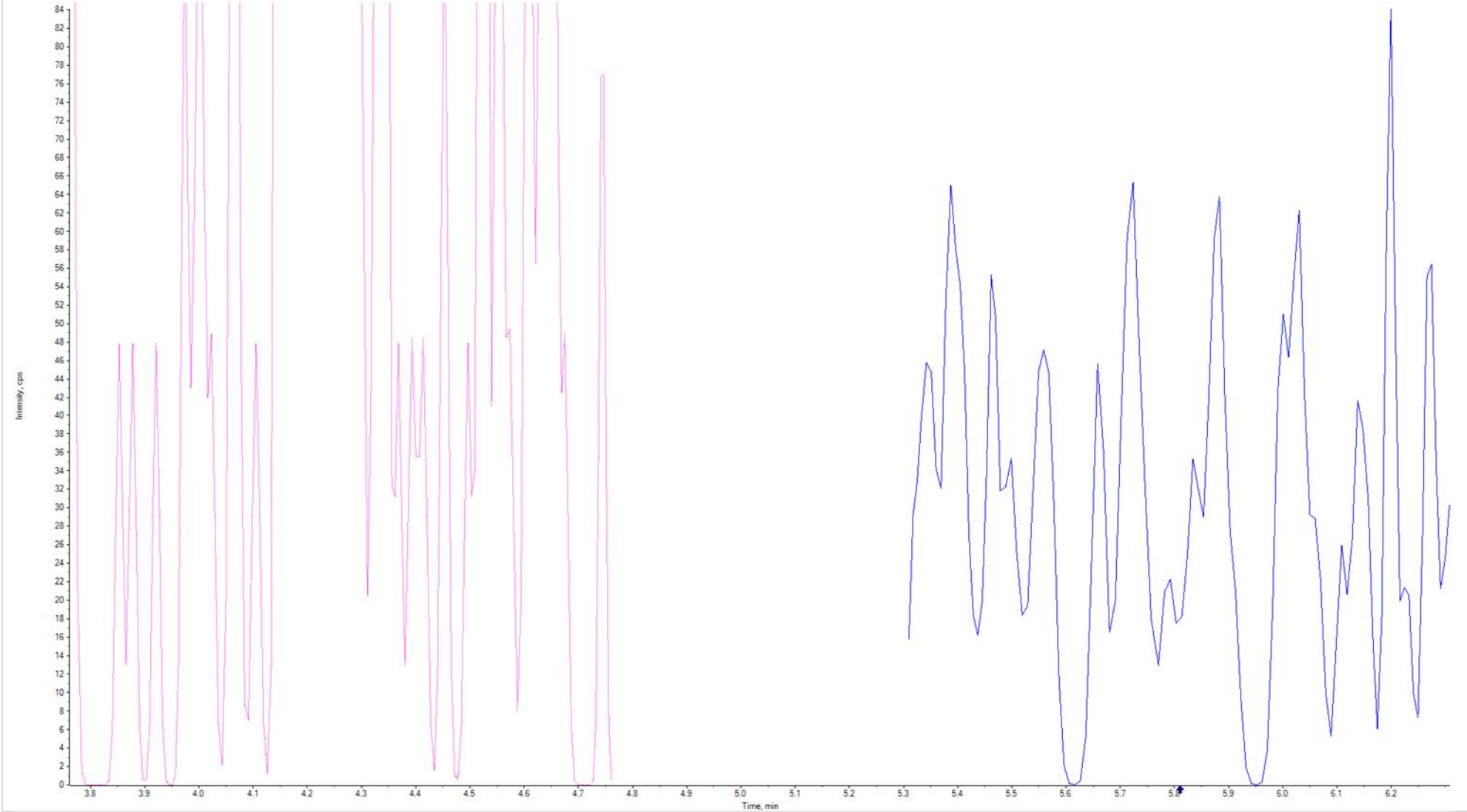
PFDoS
Sample: L2474358-02 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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PFDoS_2
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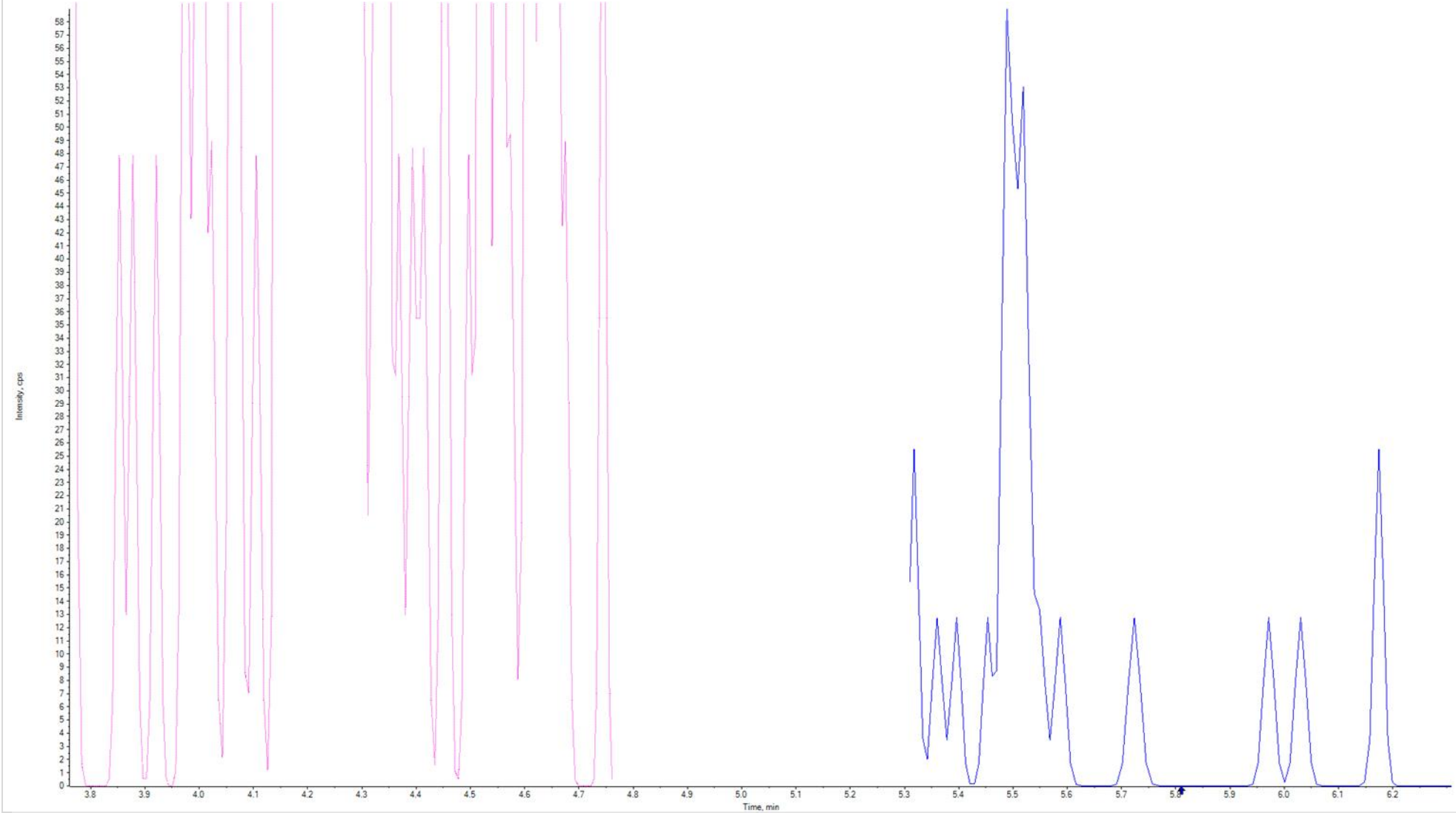

4:2FTS
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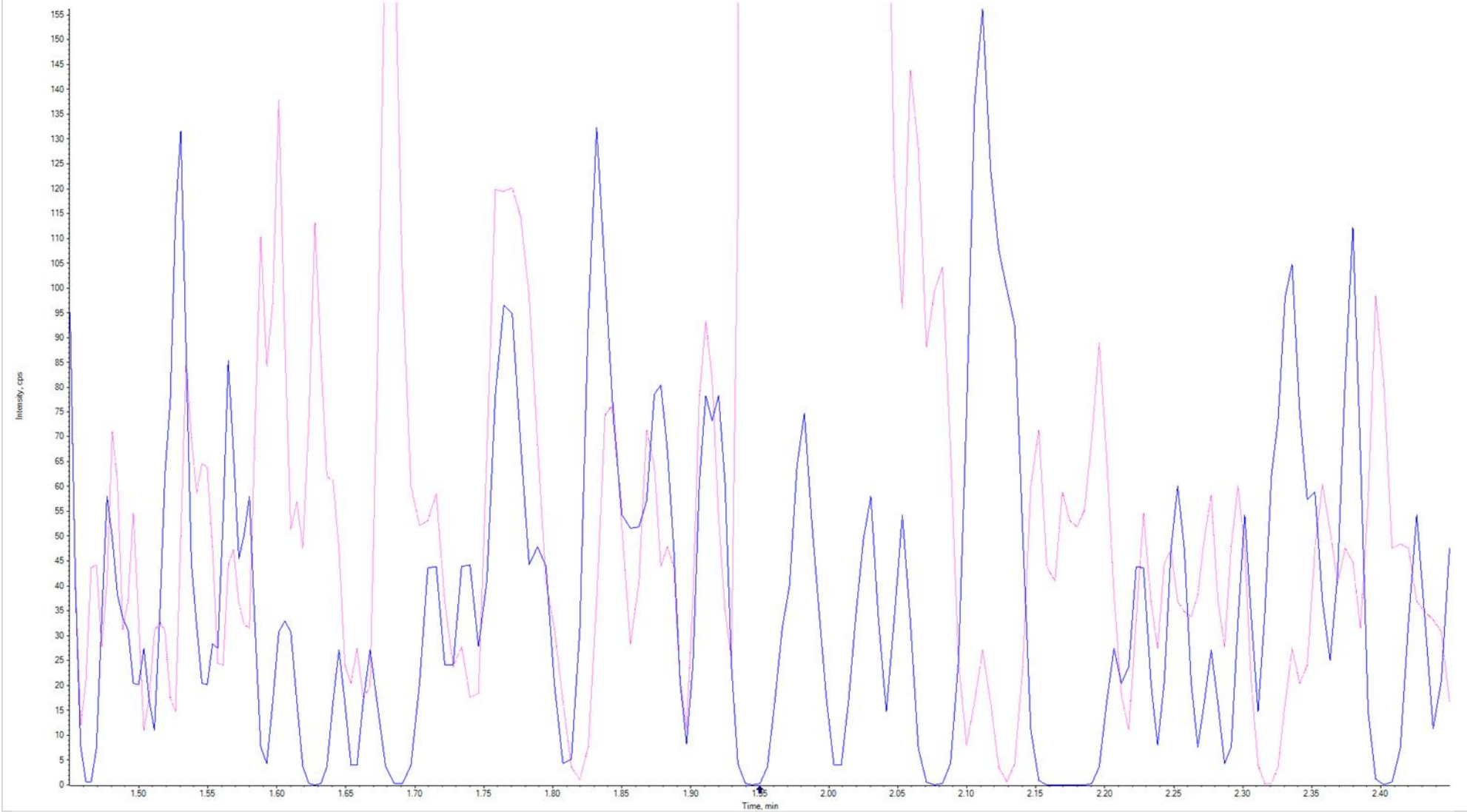

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4:2FTS_2
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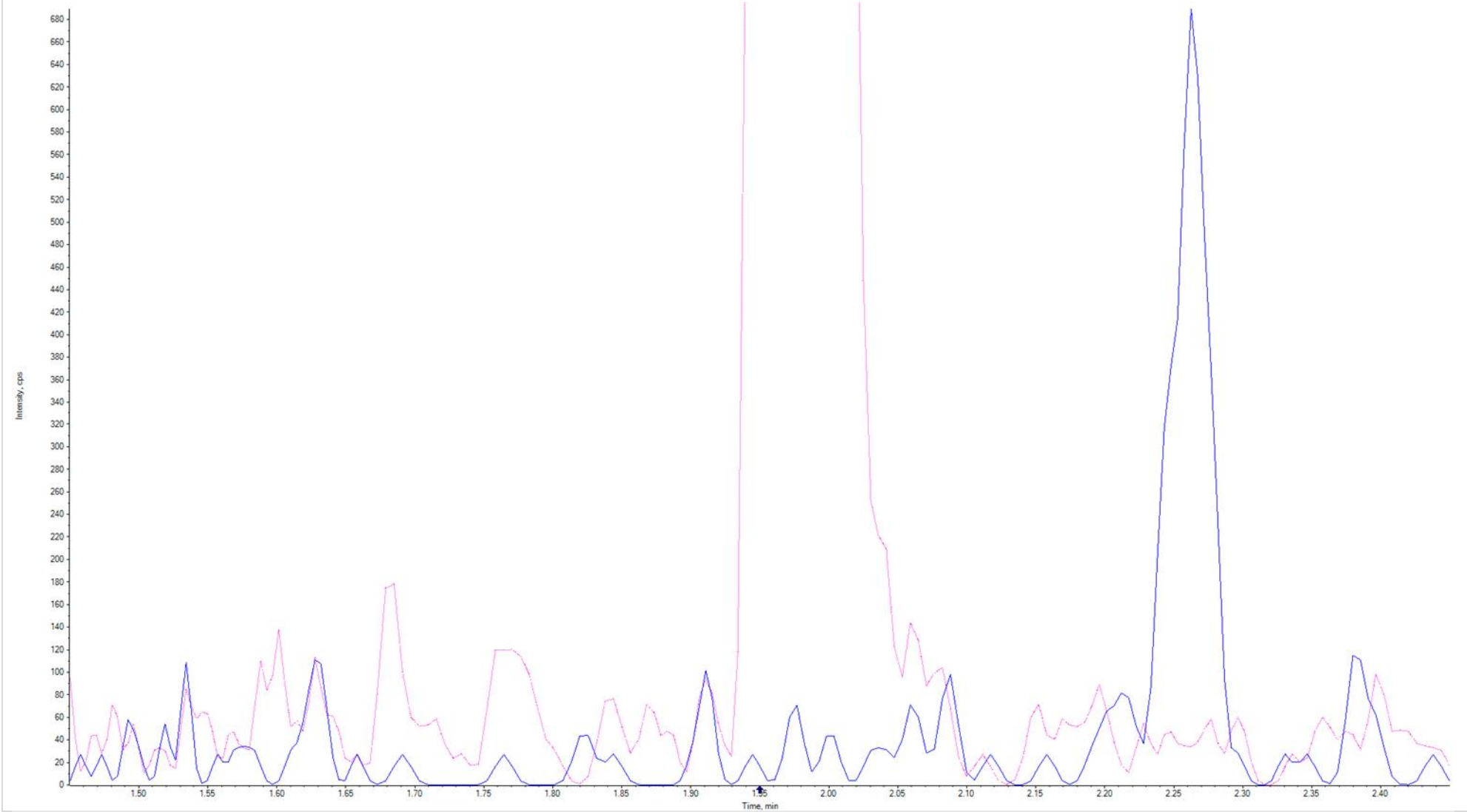

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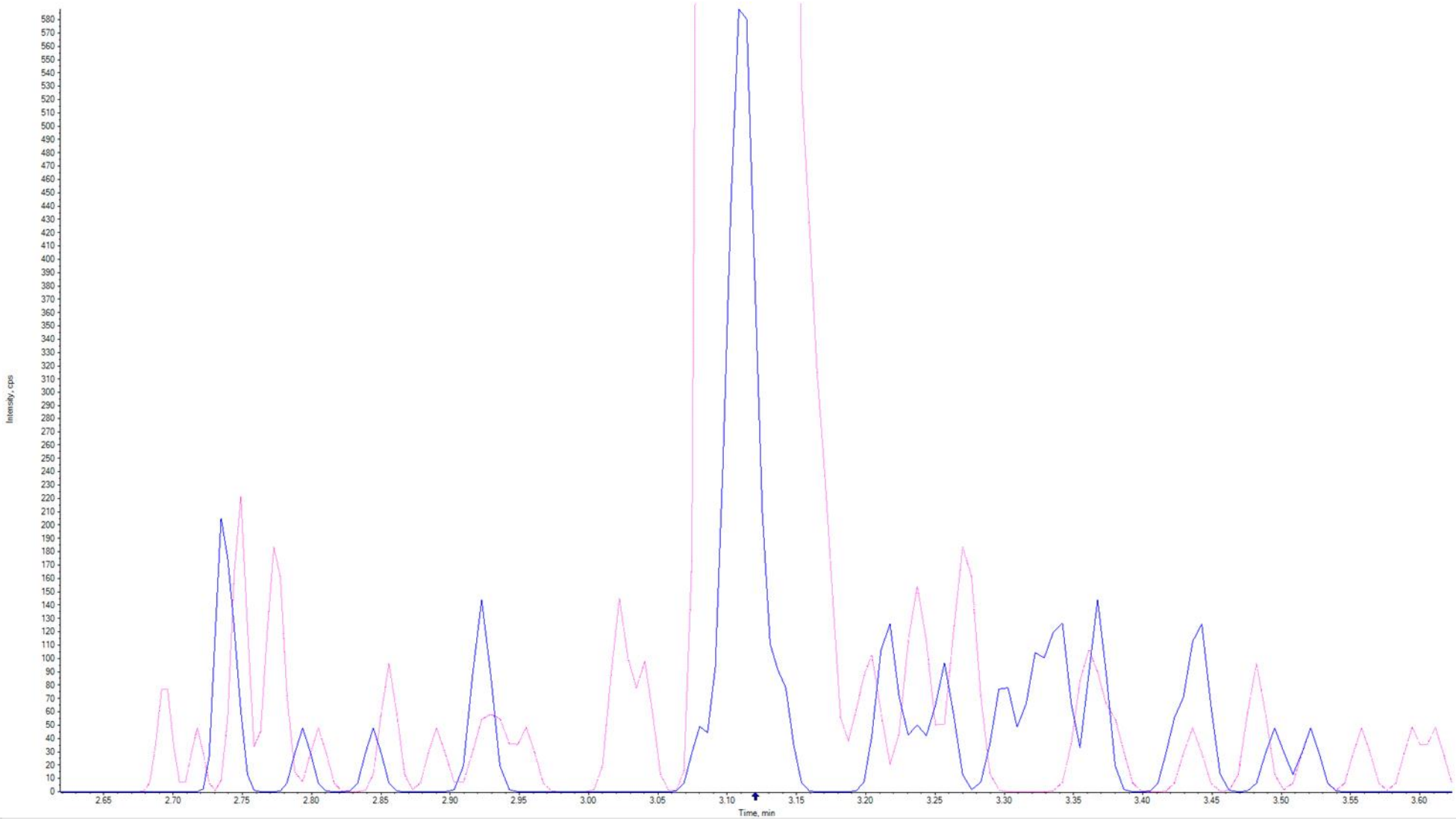

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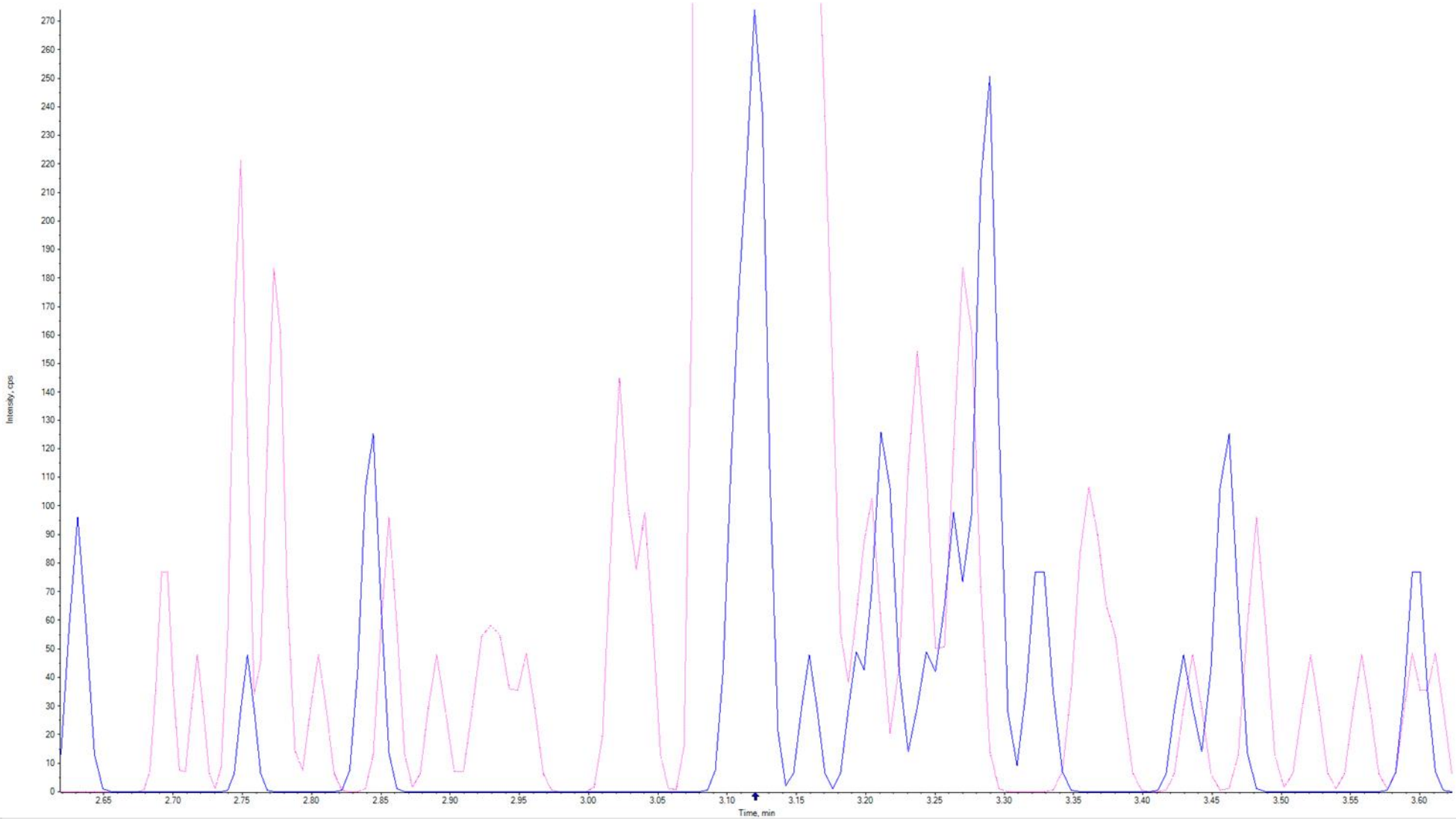

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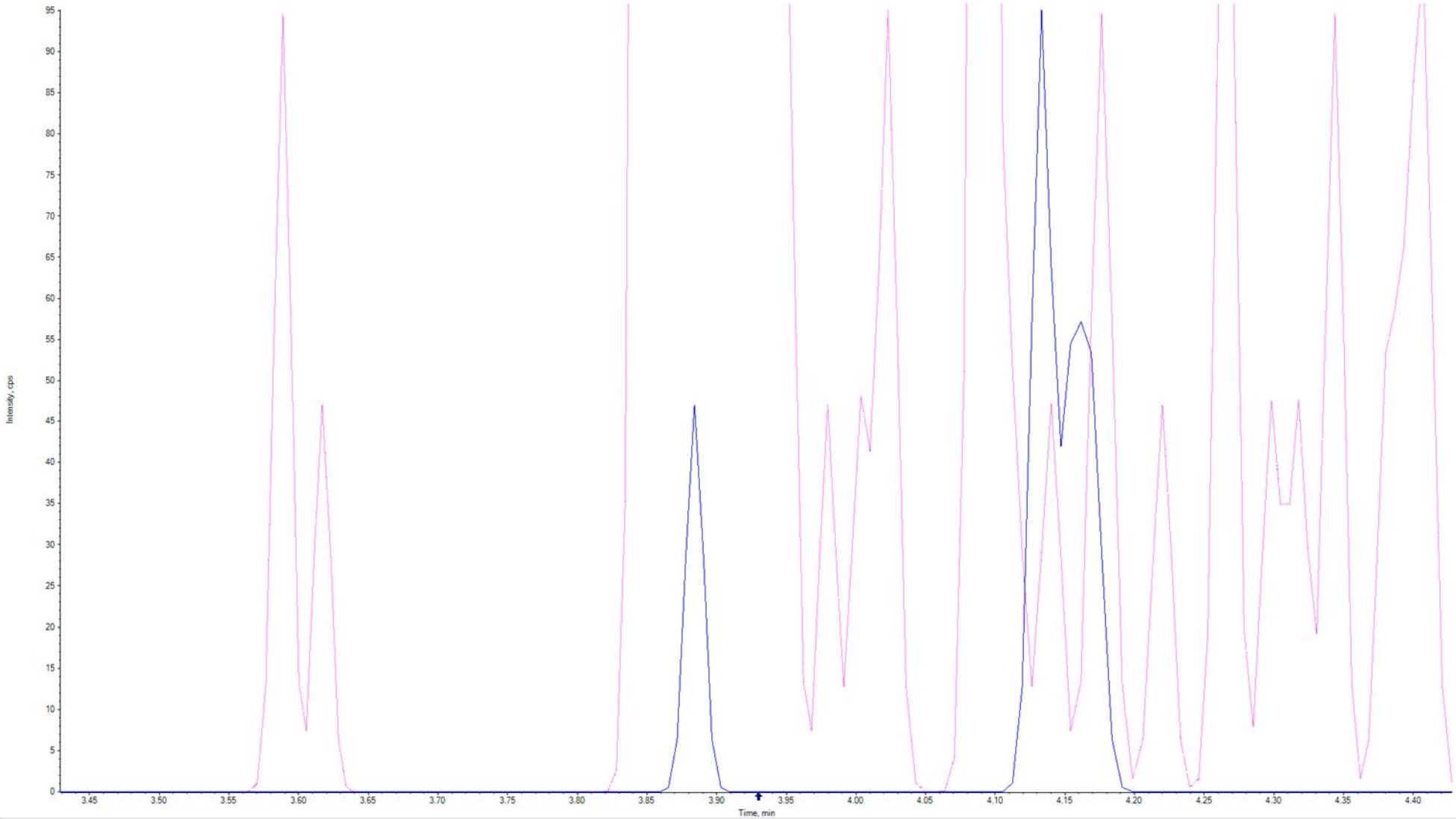

8:2FTS_2
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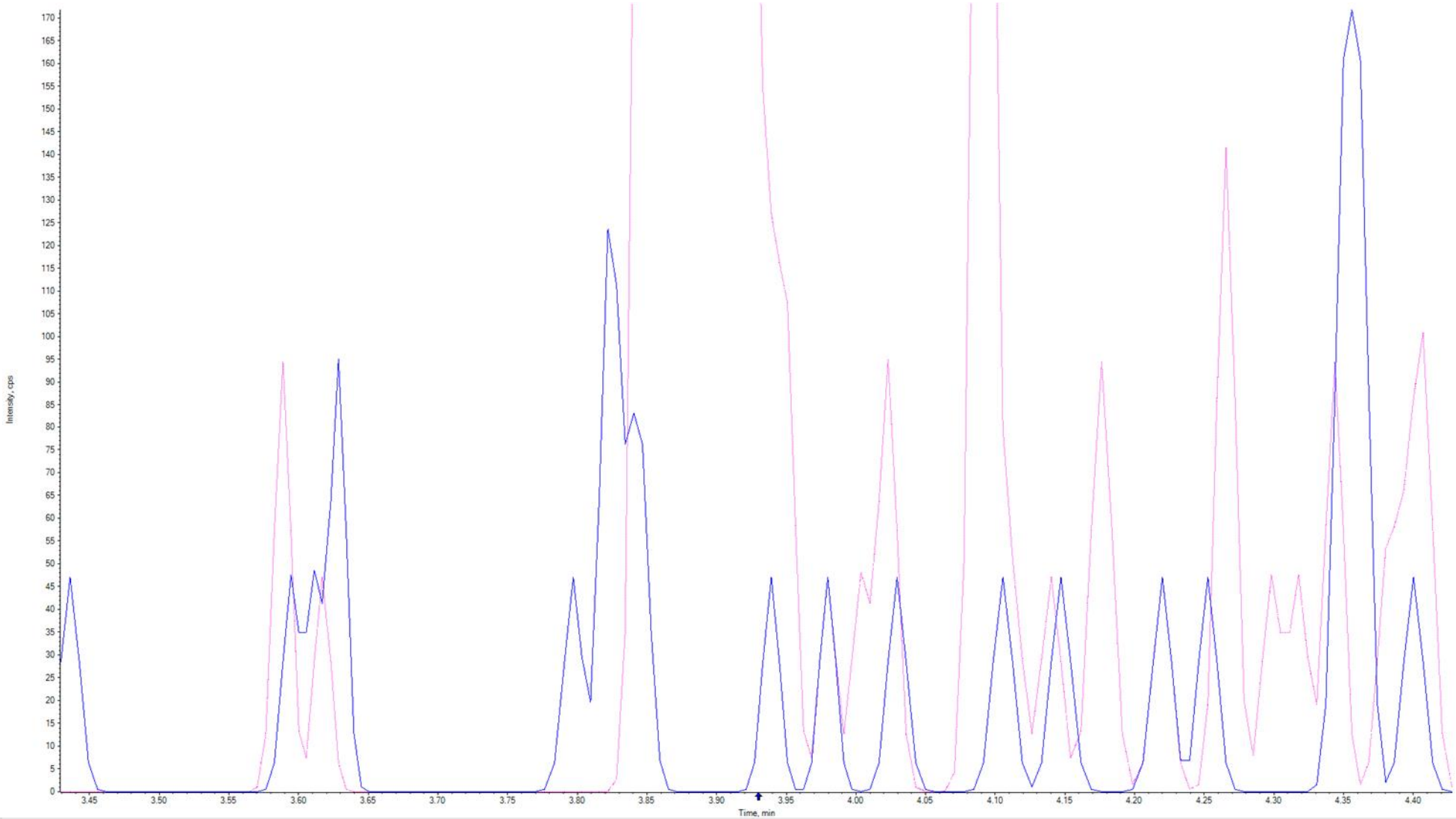

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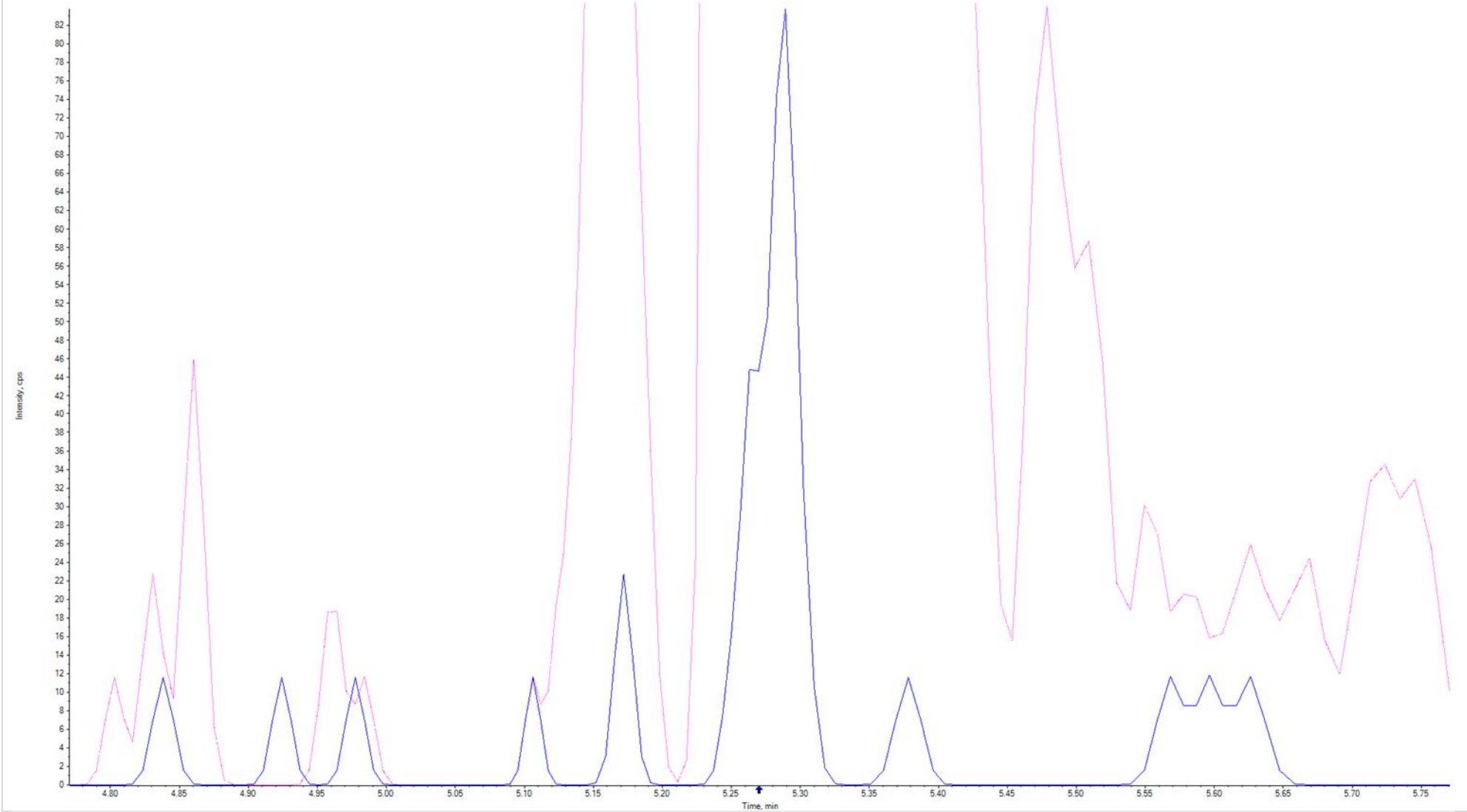

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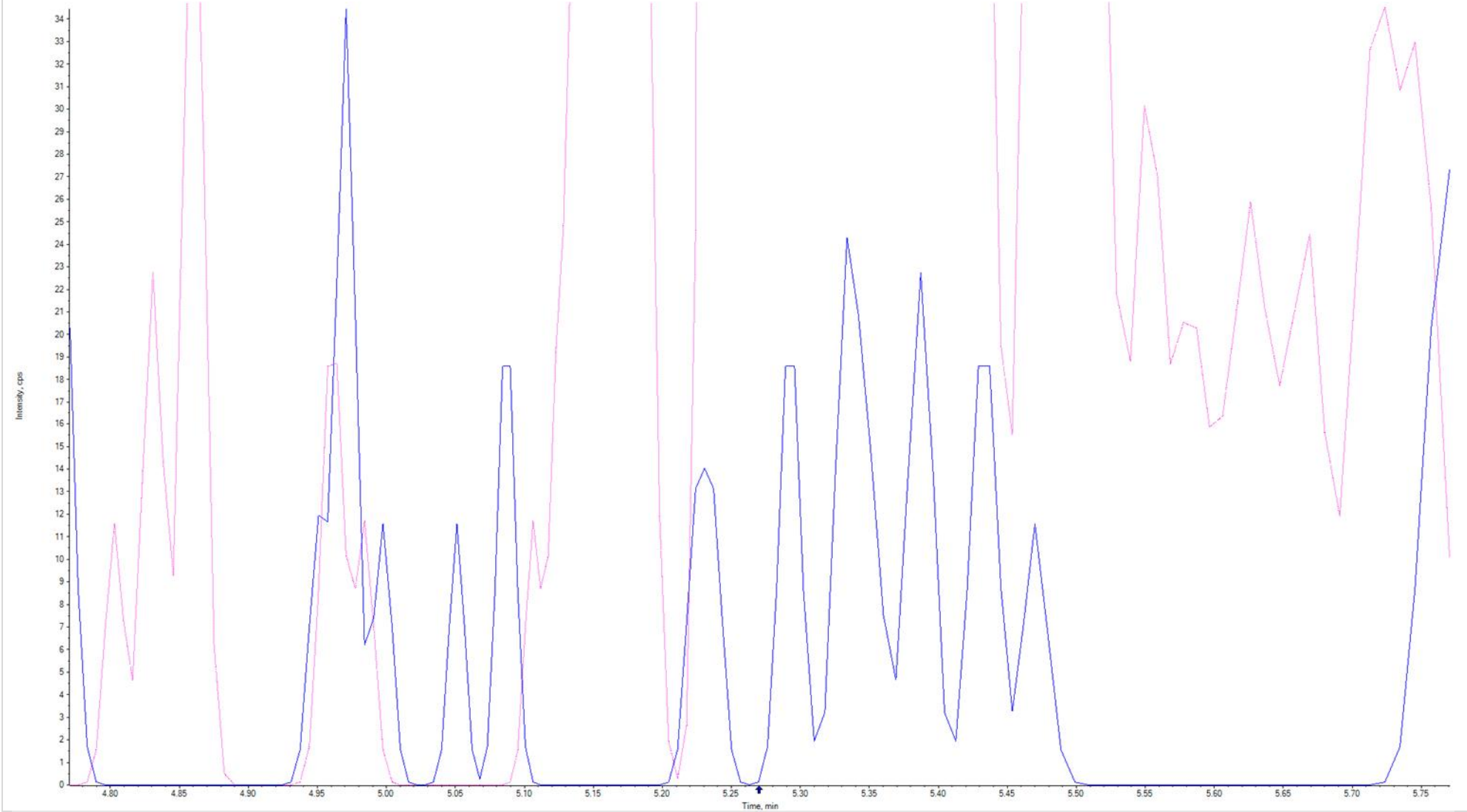

NMeFOSA
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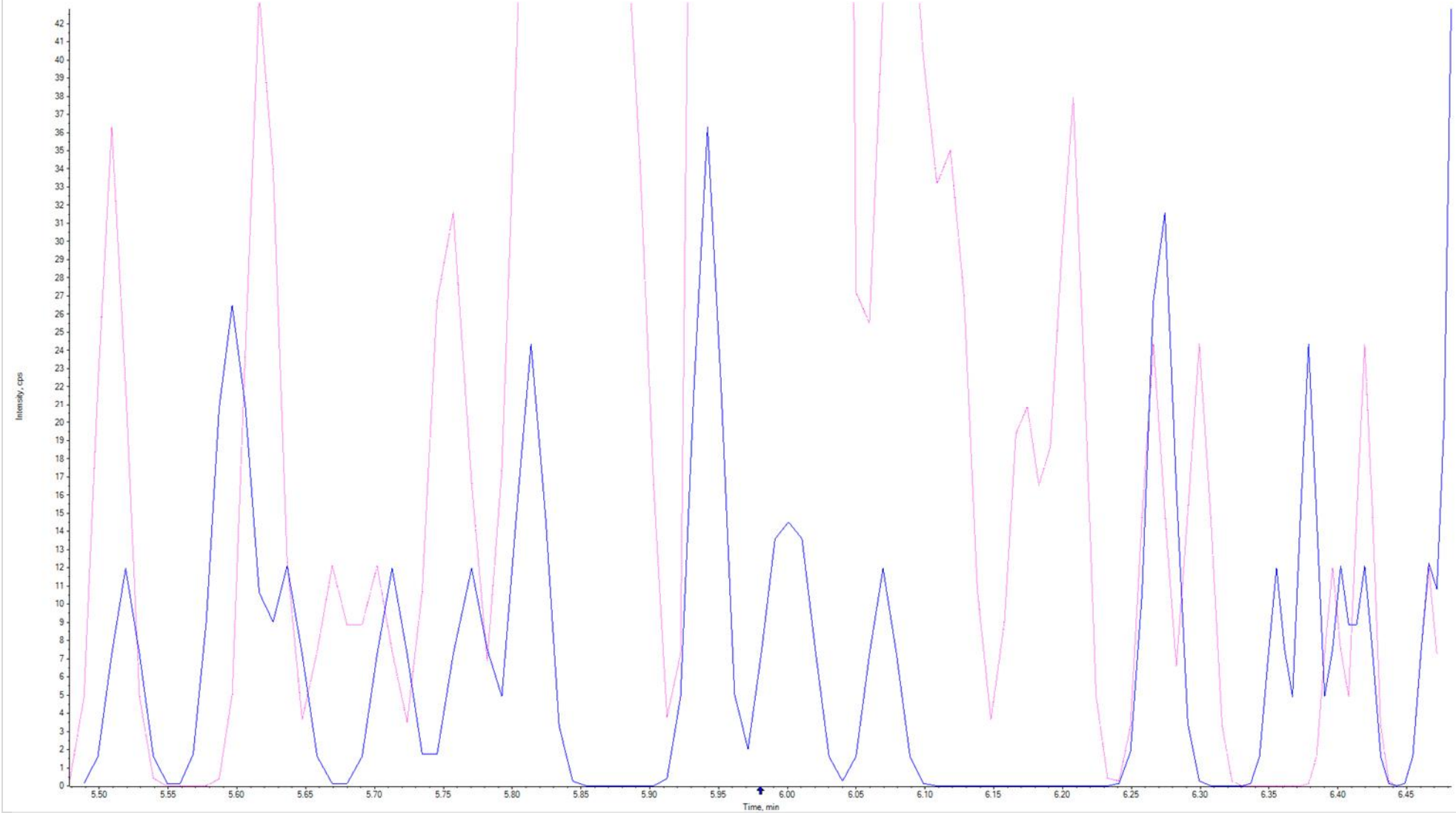

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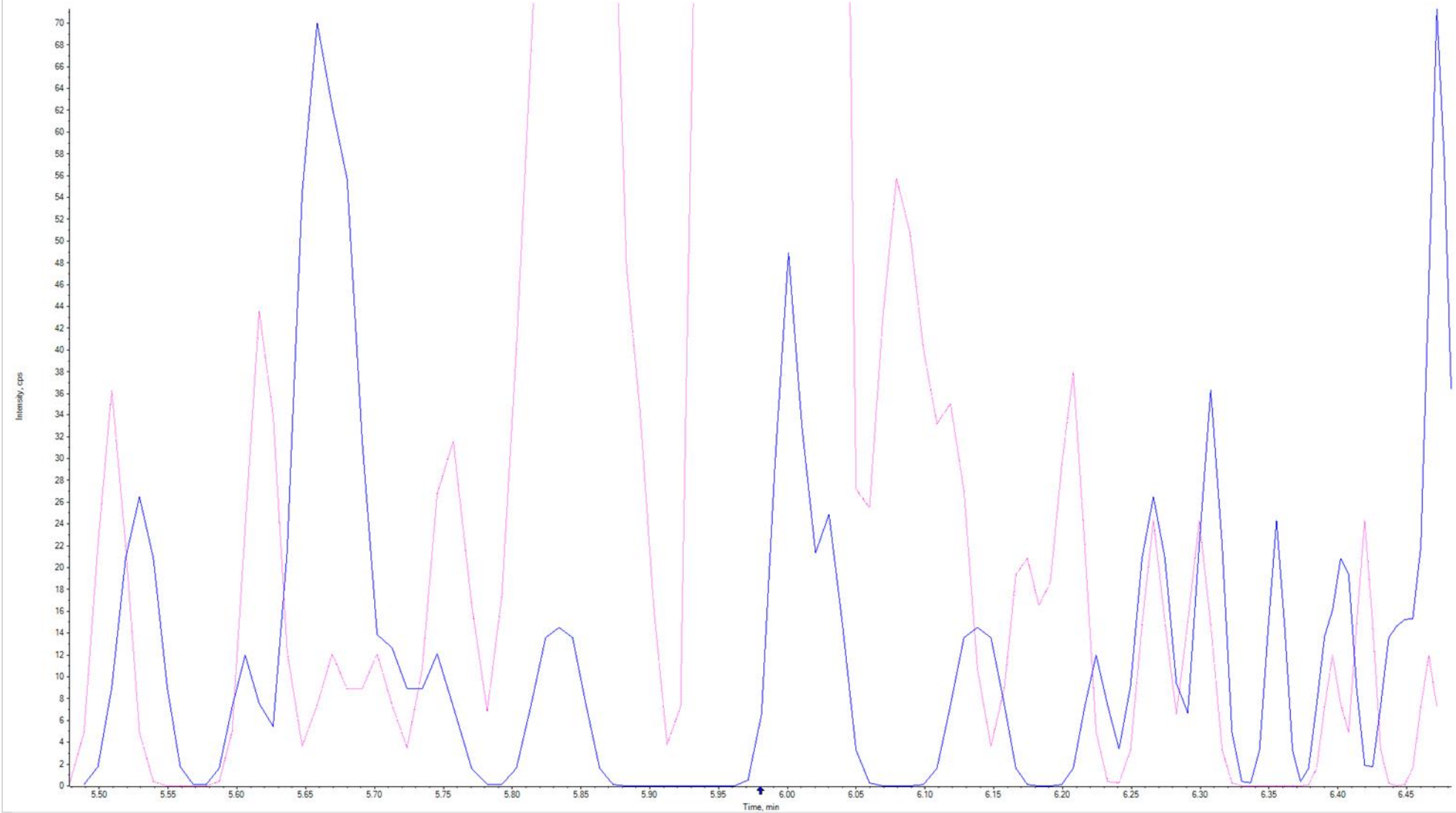

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NEtFOSA
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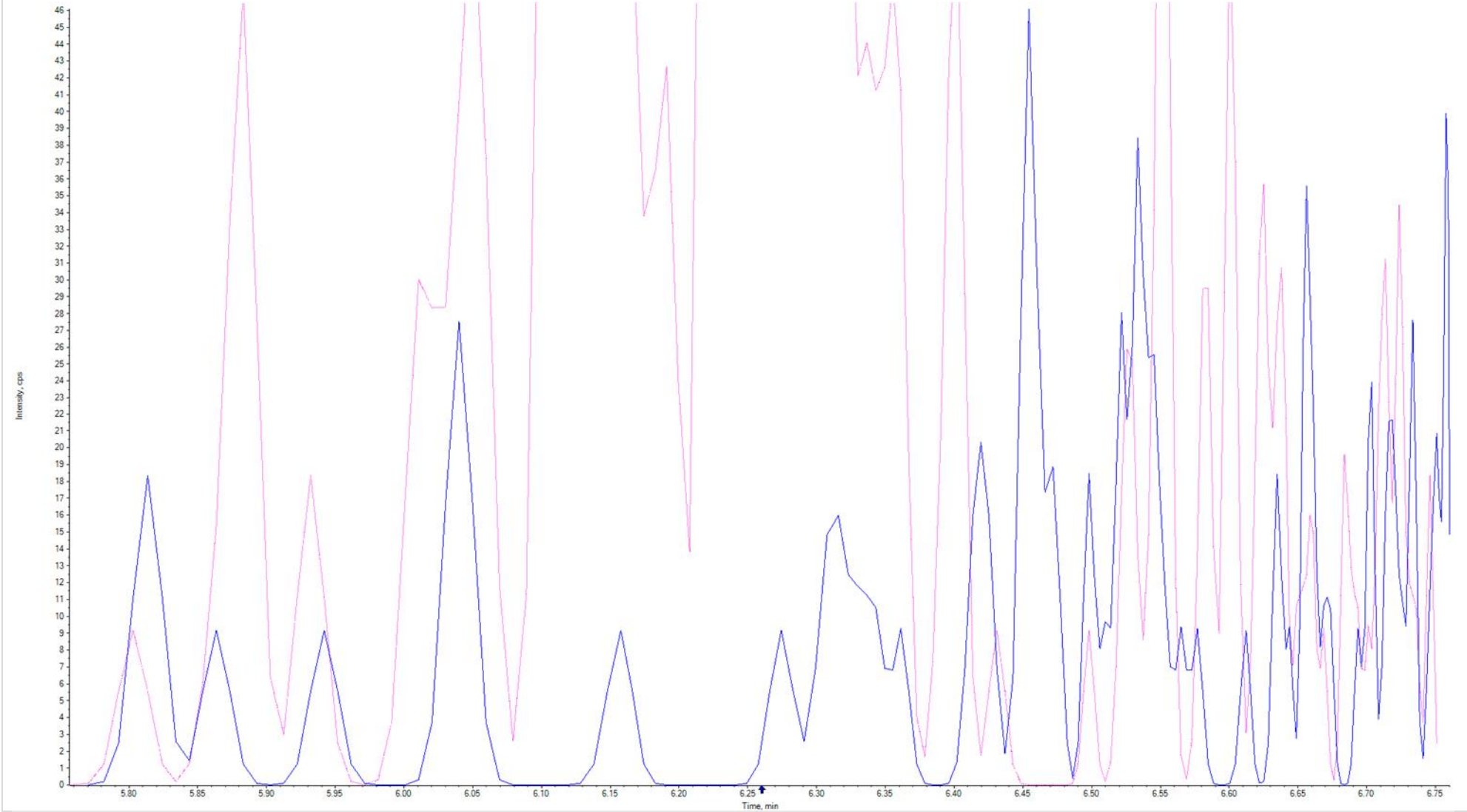

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NEtFOSA_2
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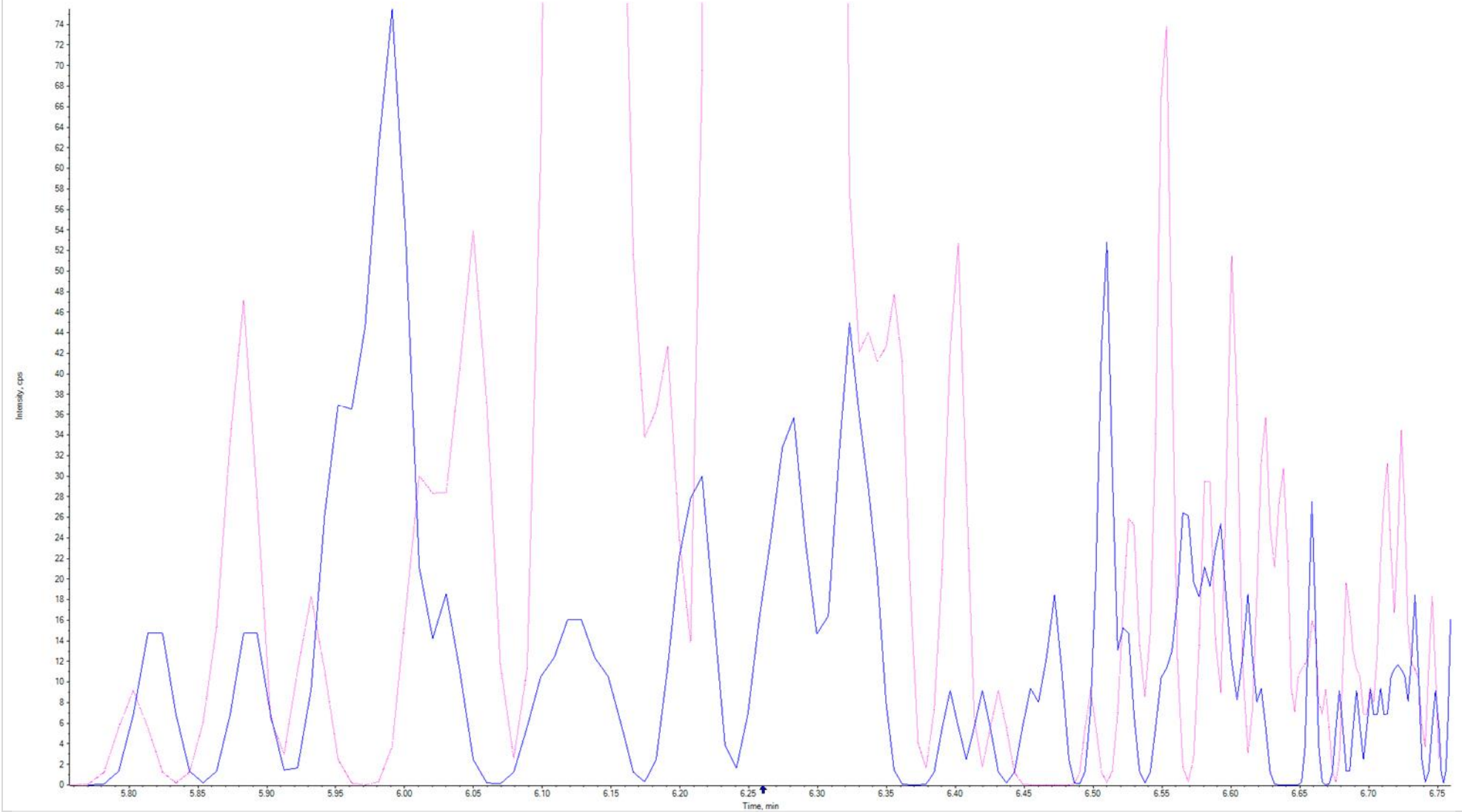

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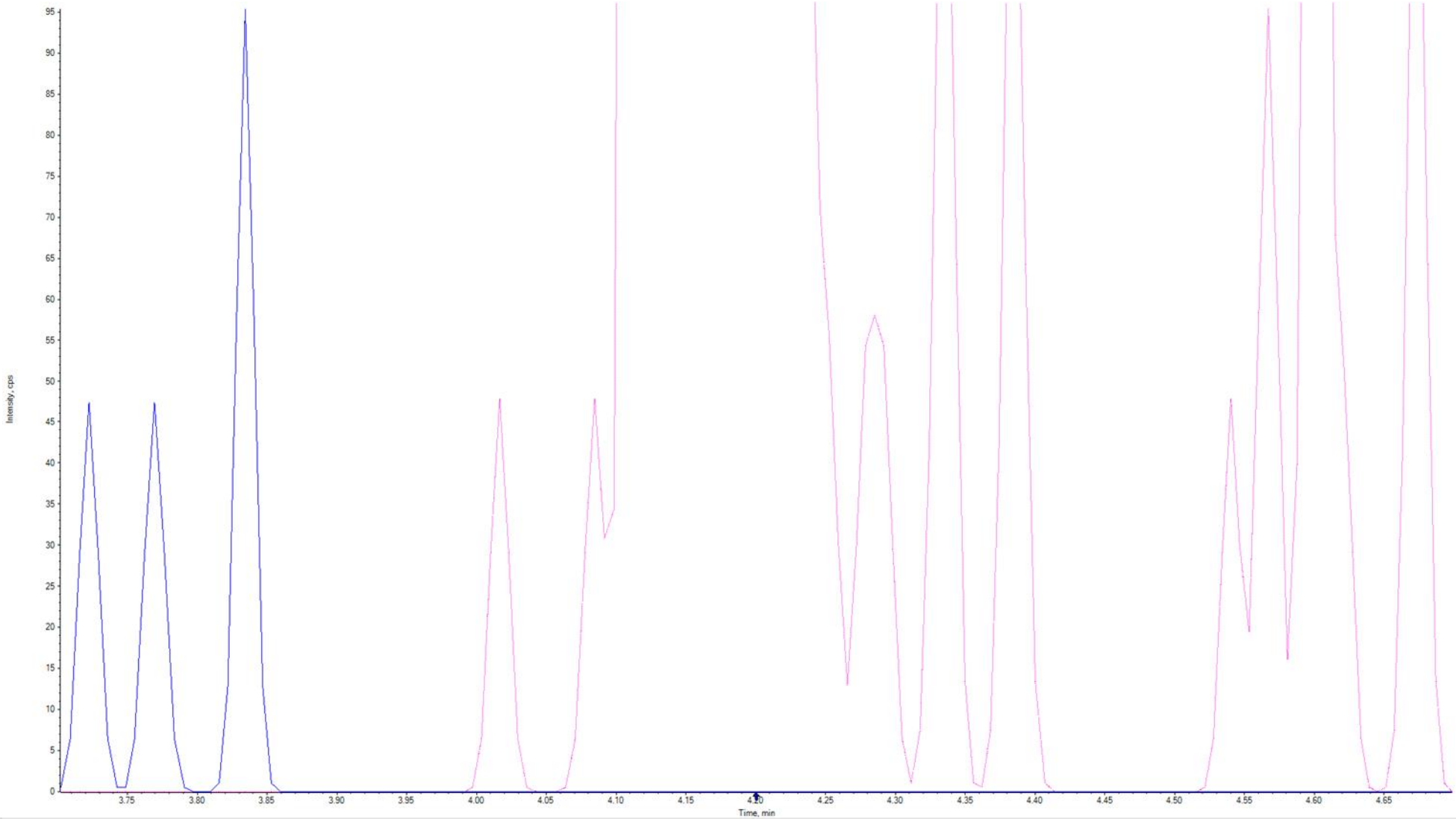

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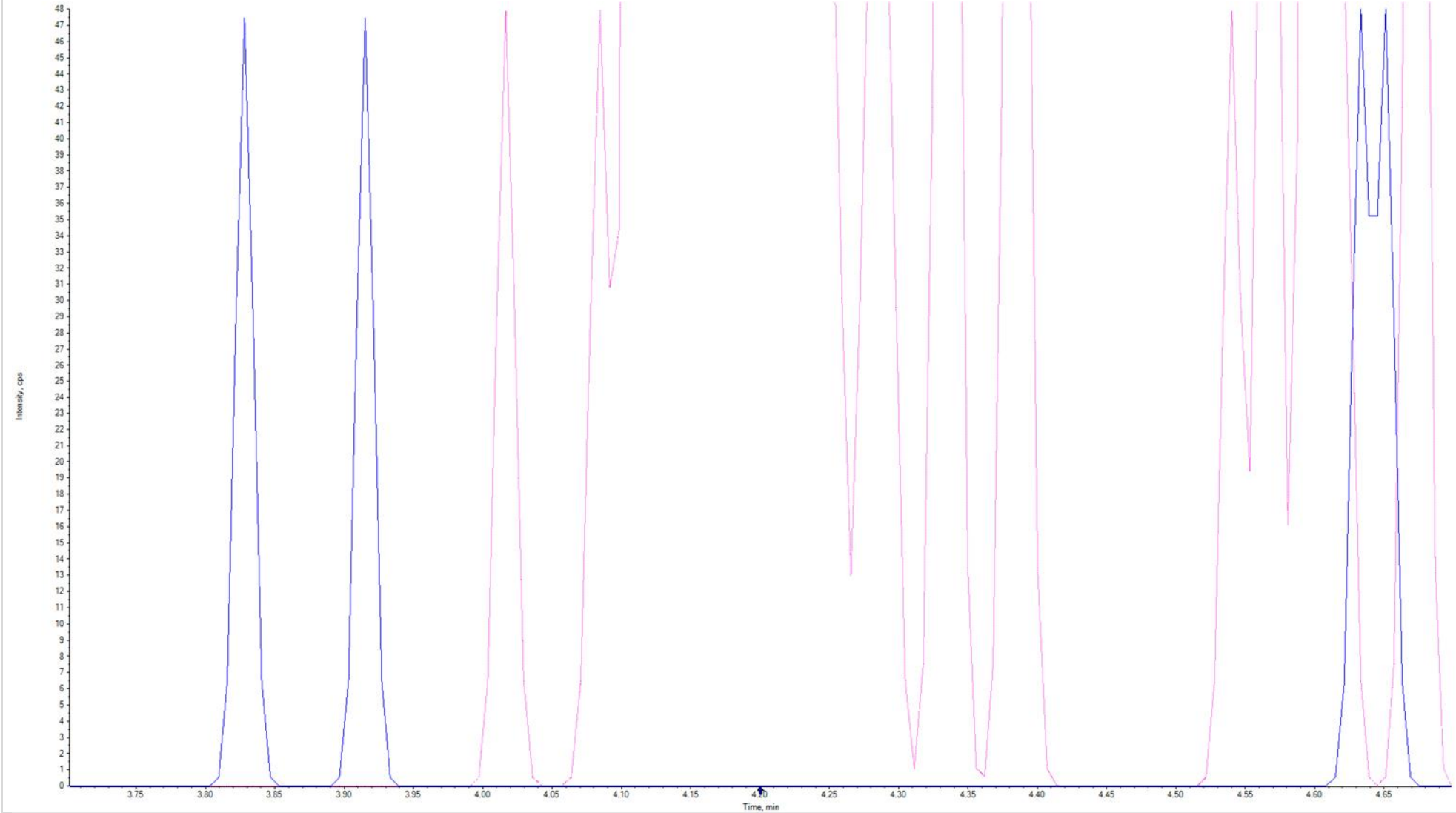

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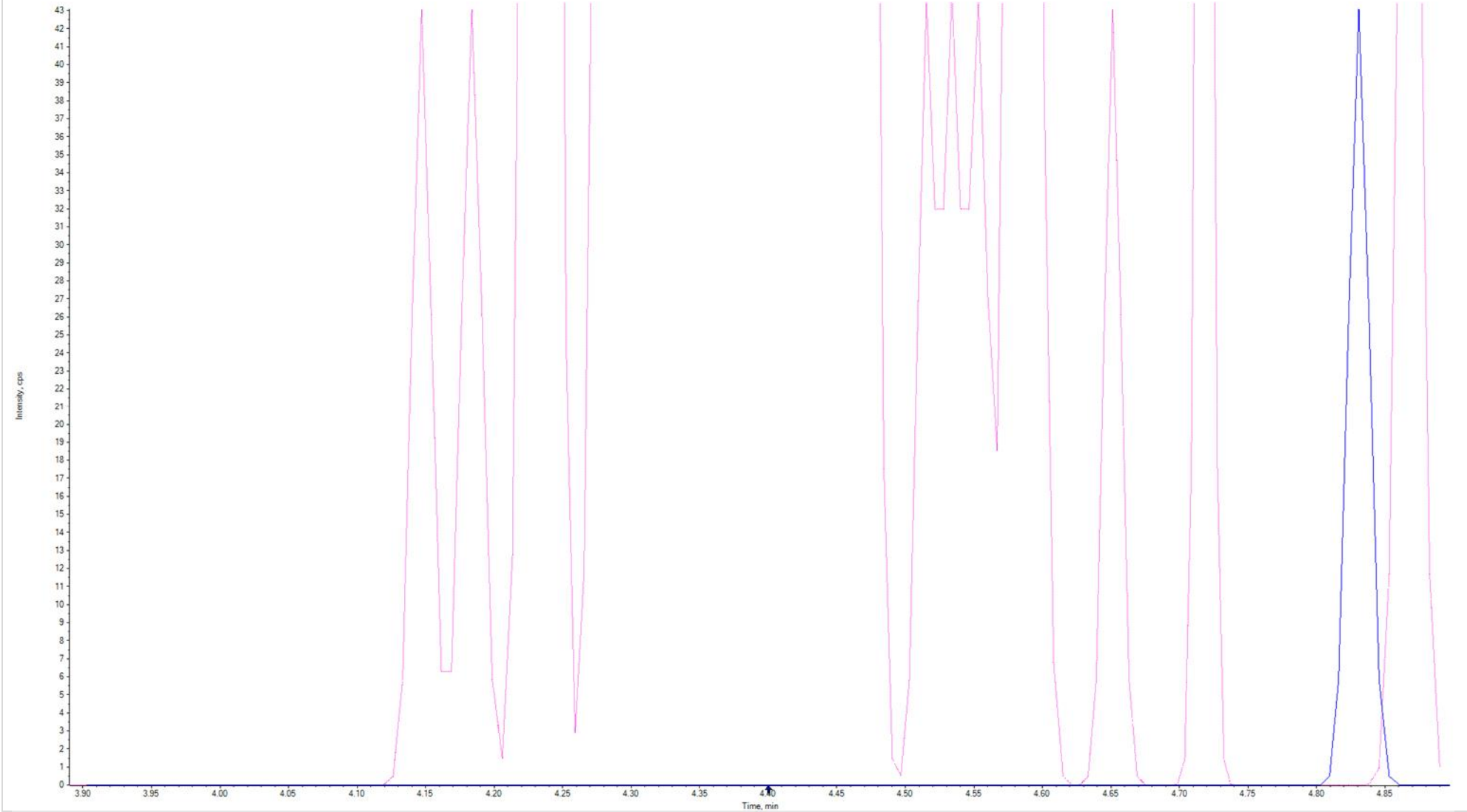

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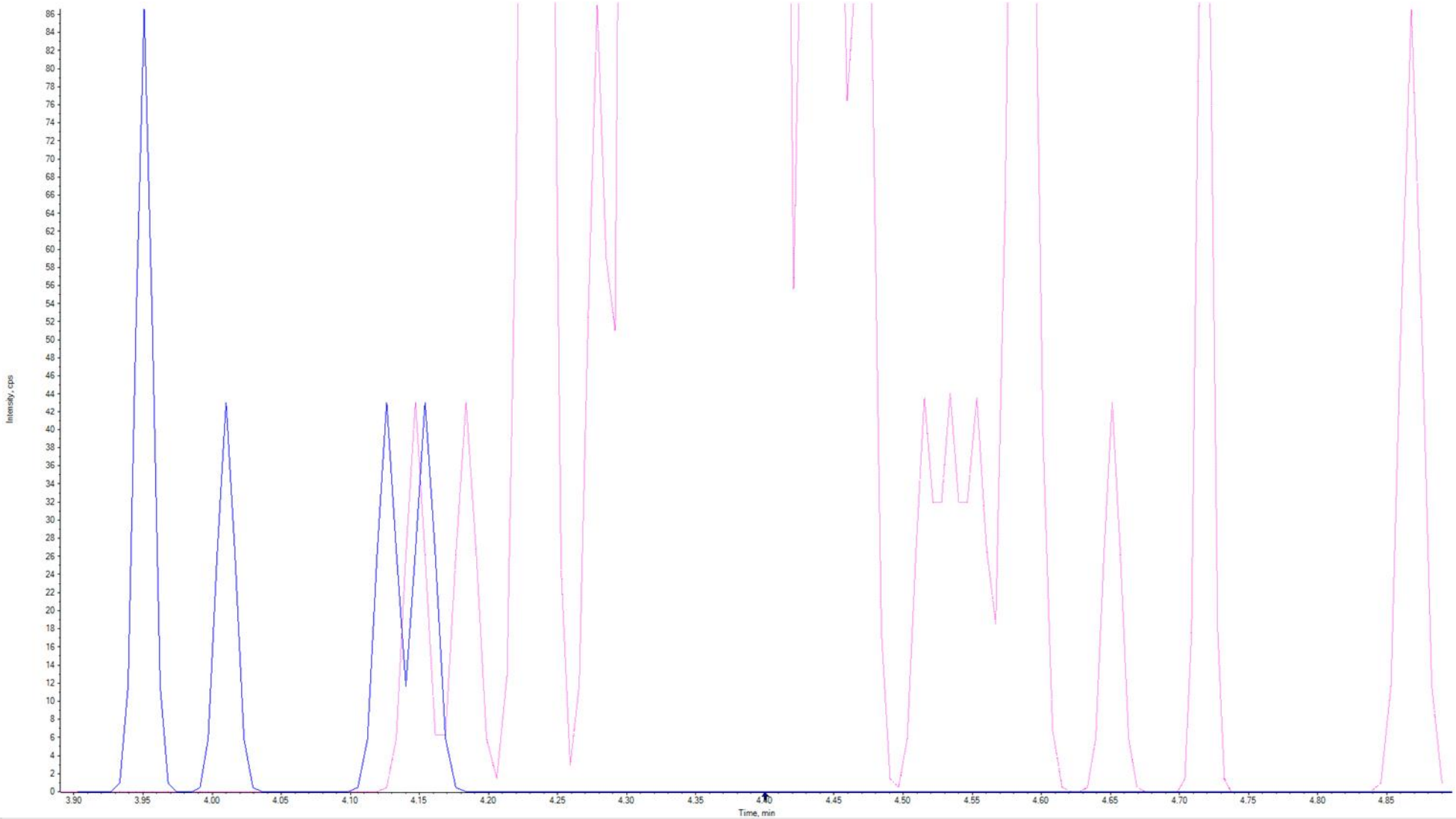

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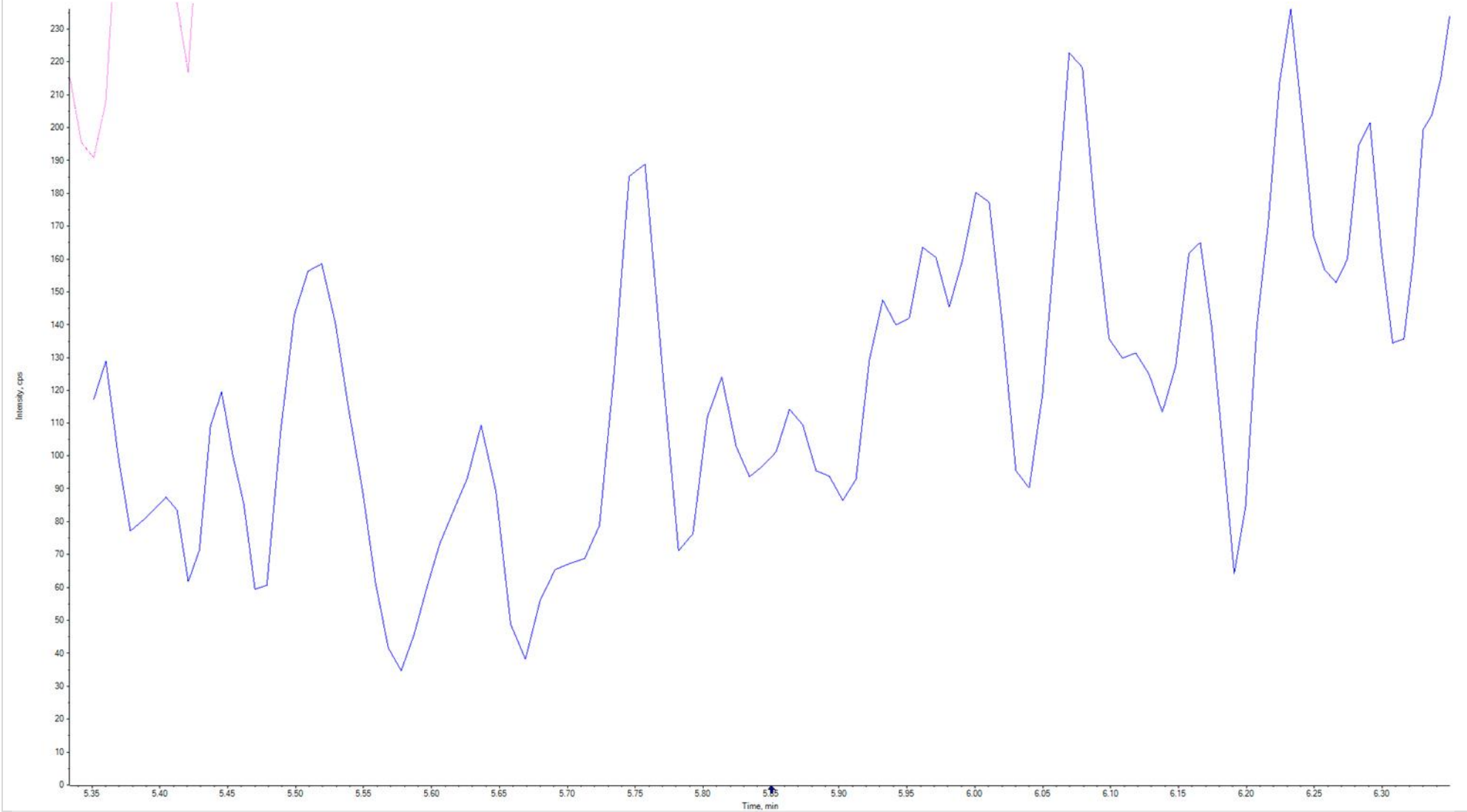

NEtFOSE
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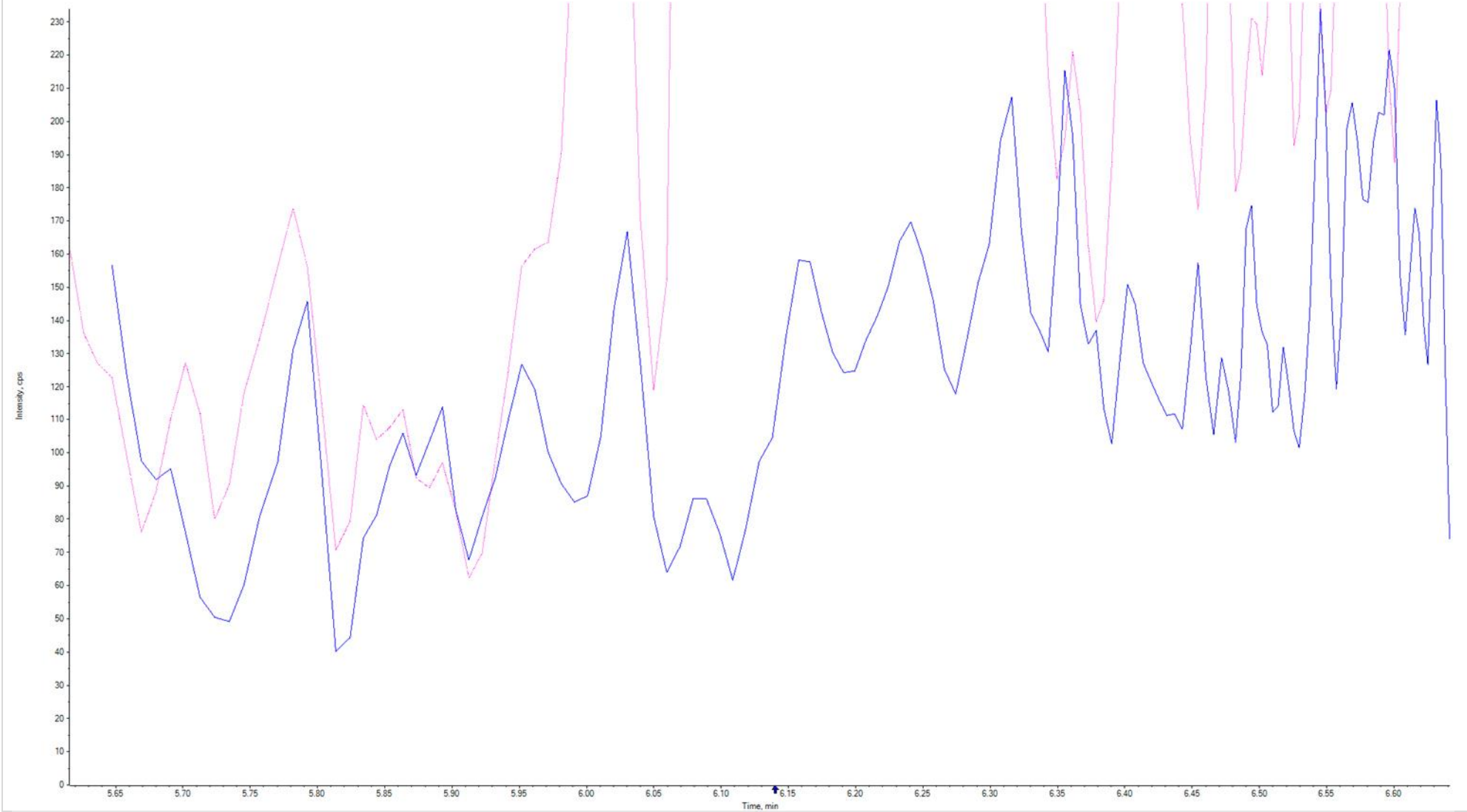

HFPO-DA
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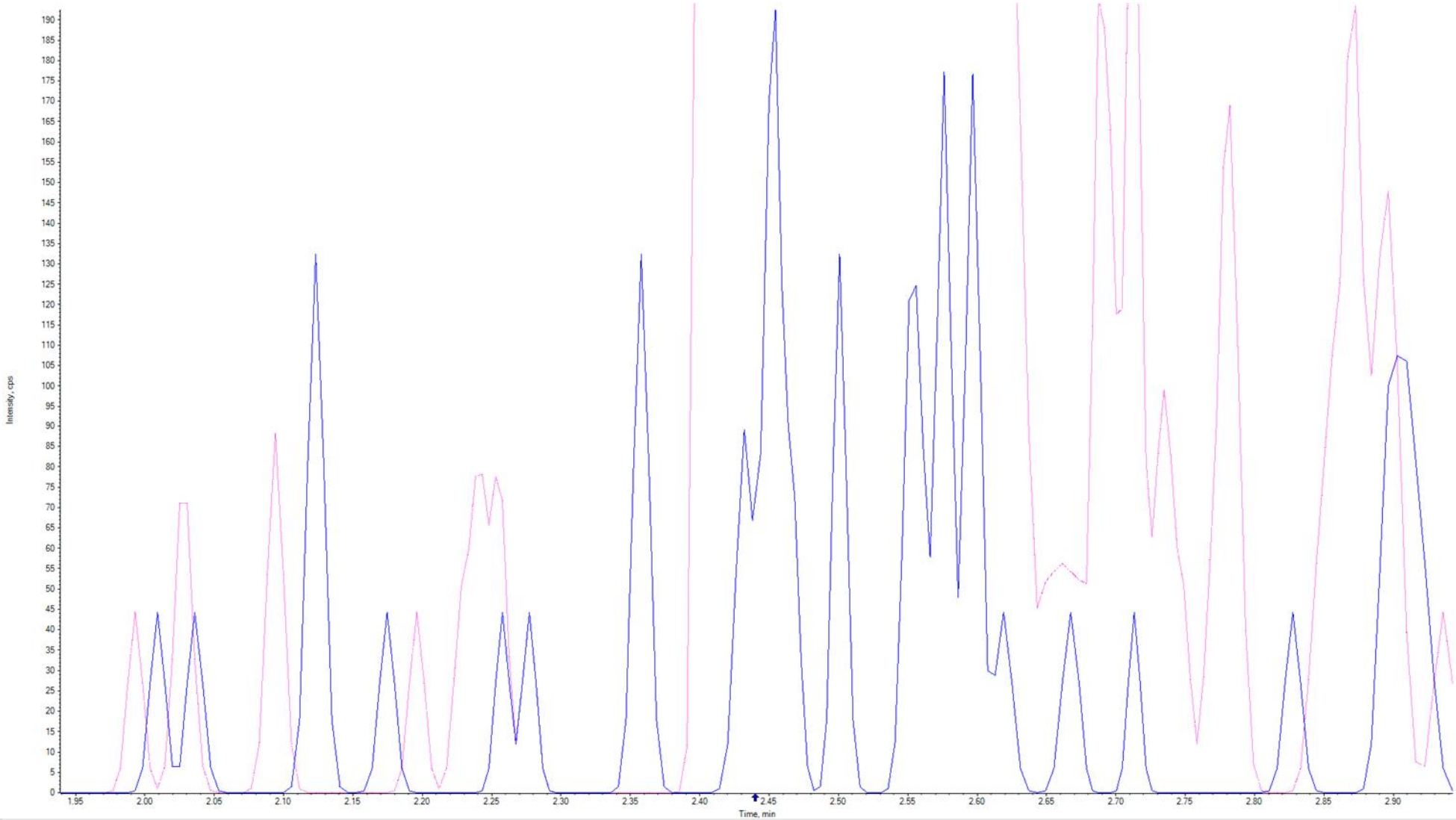

HFPO-DA_2
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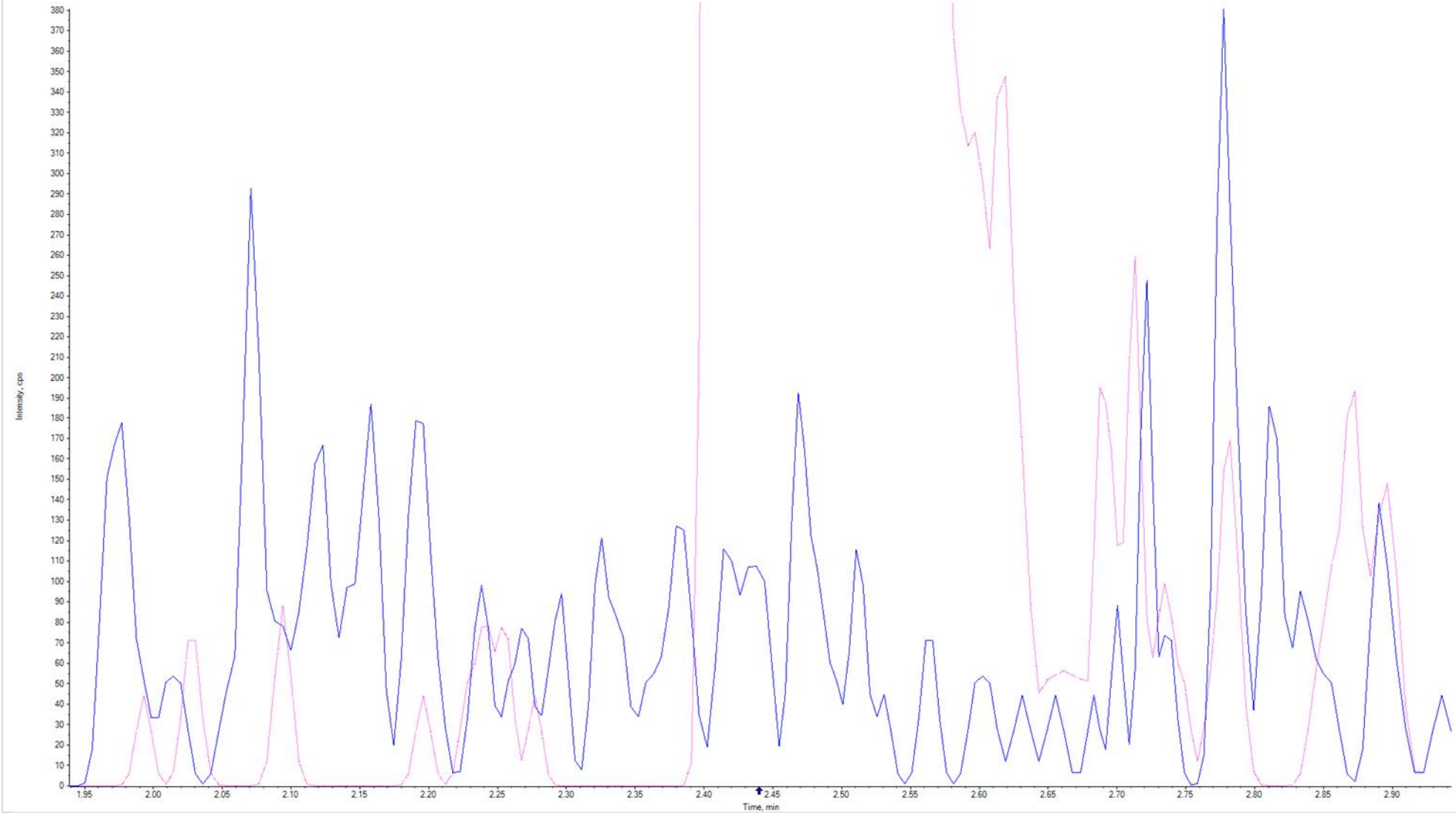

ADONA
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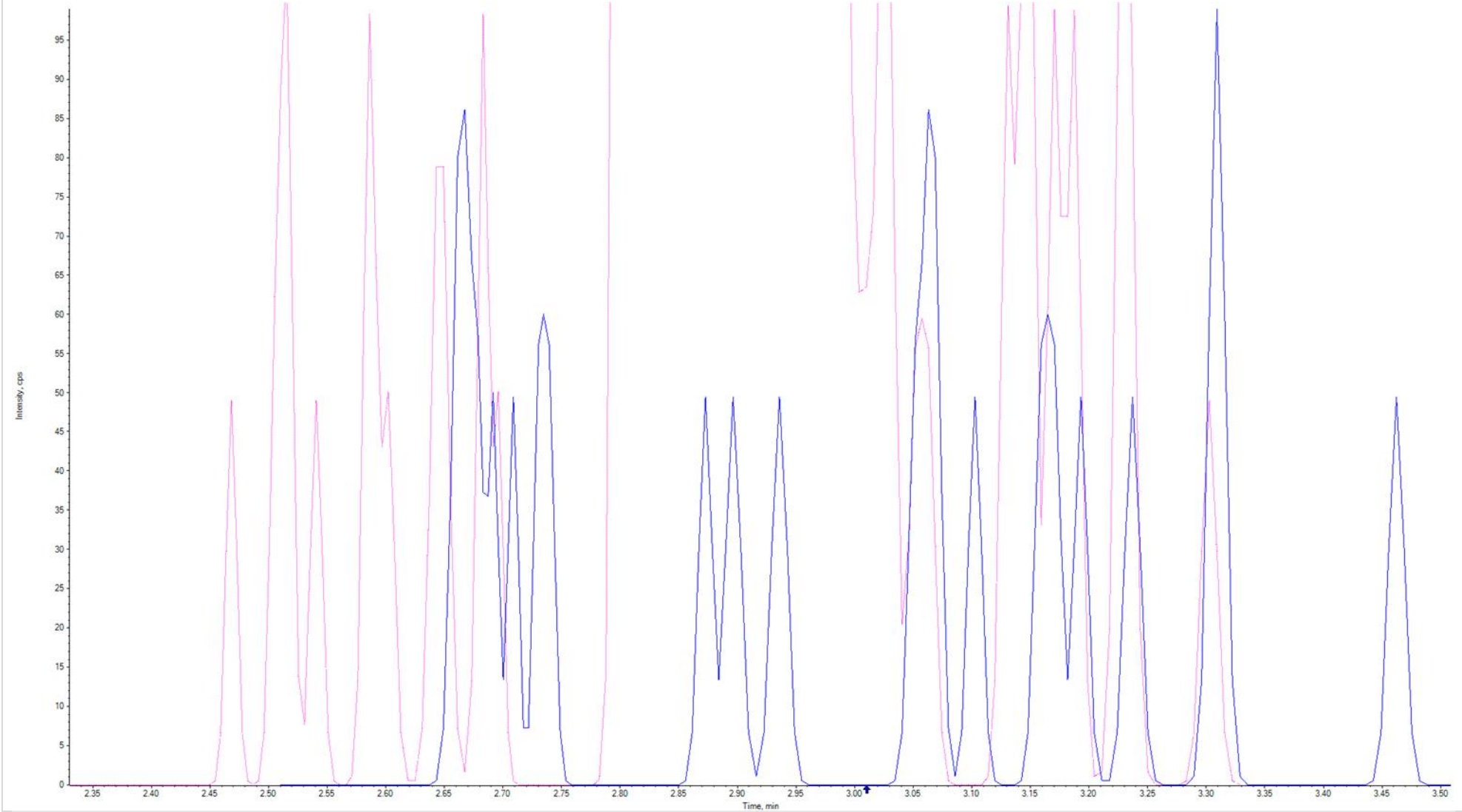

ADONA_2
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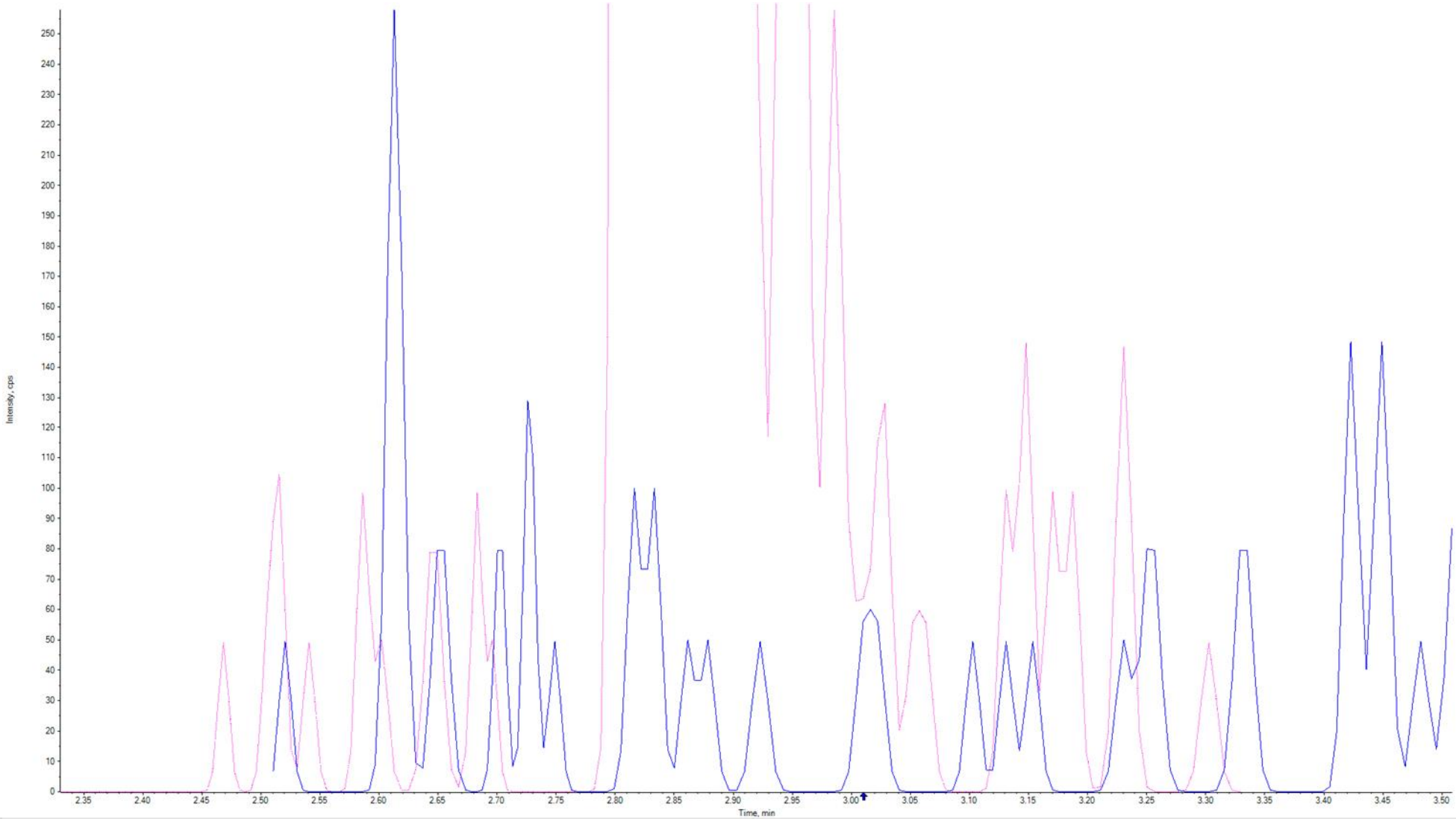

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9Cl-PF3ONS
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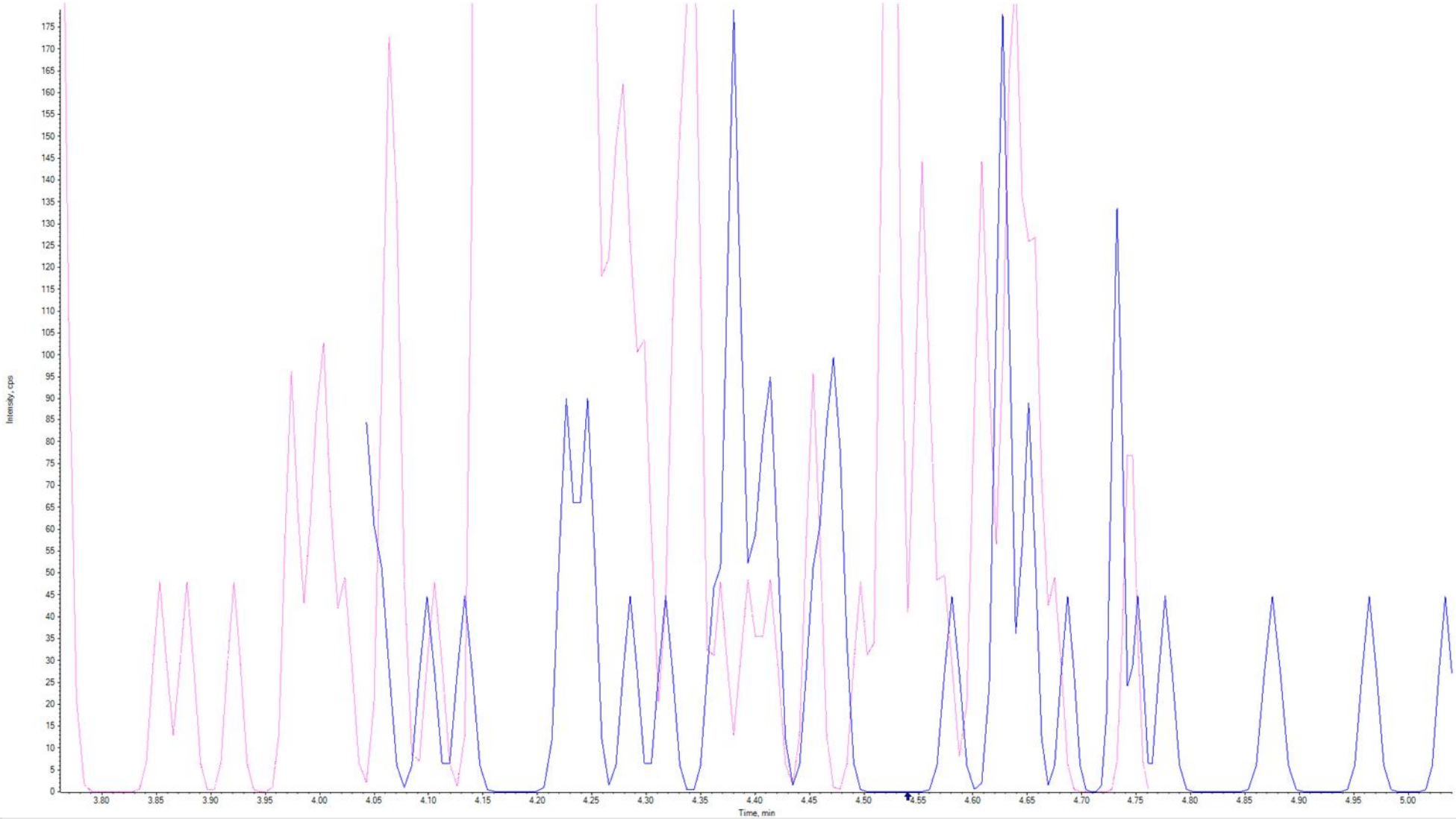

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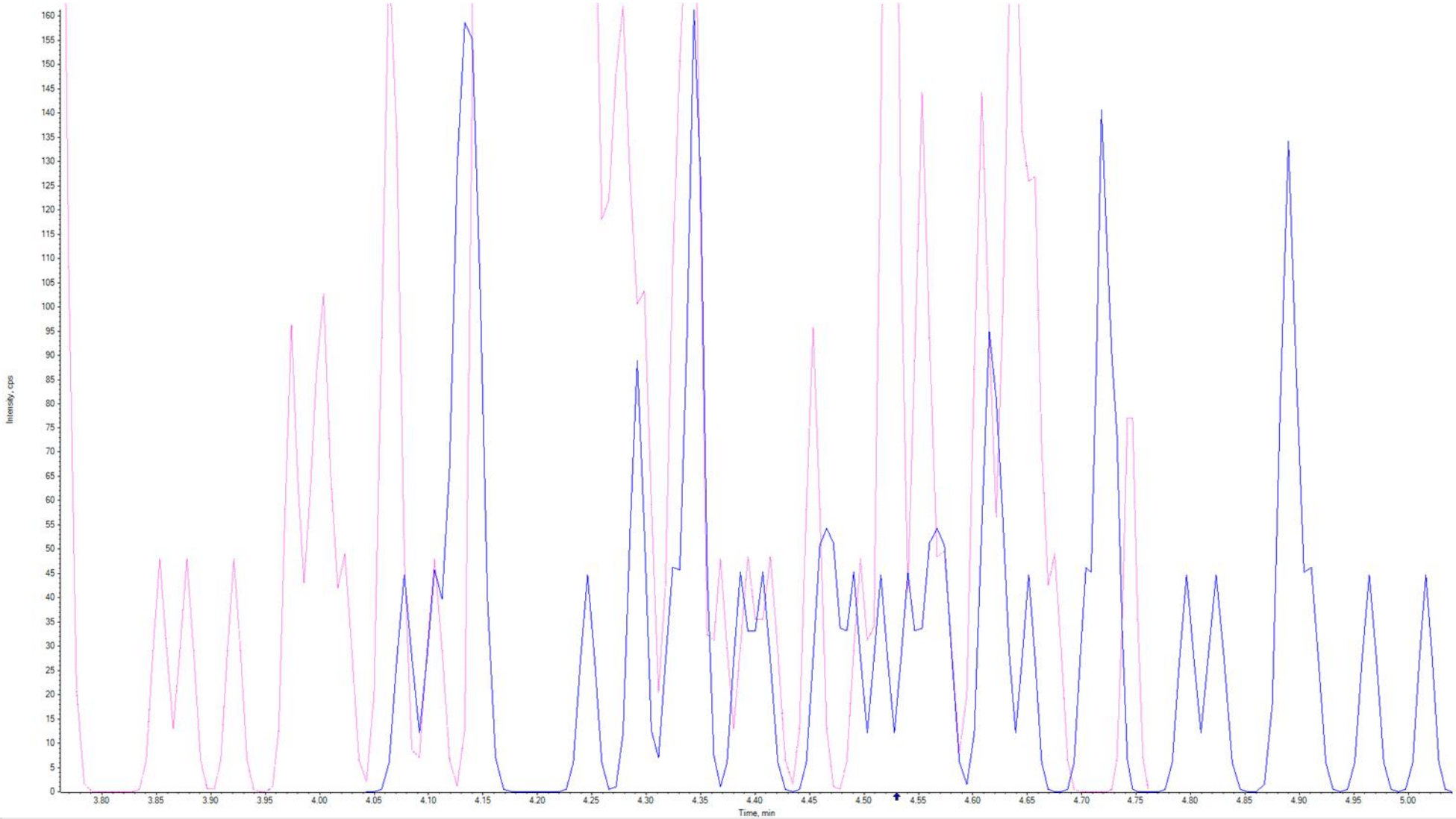

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11Cl-PF3OUdS
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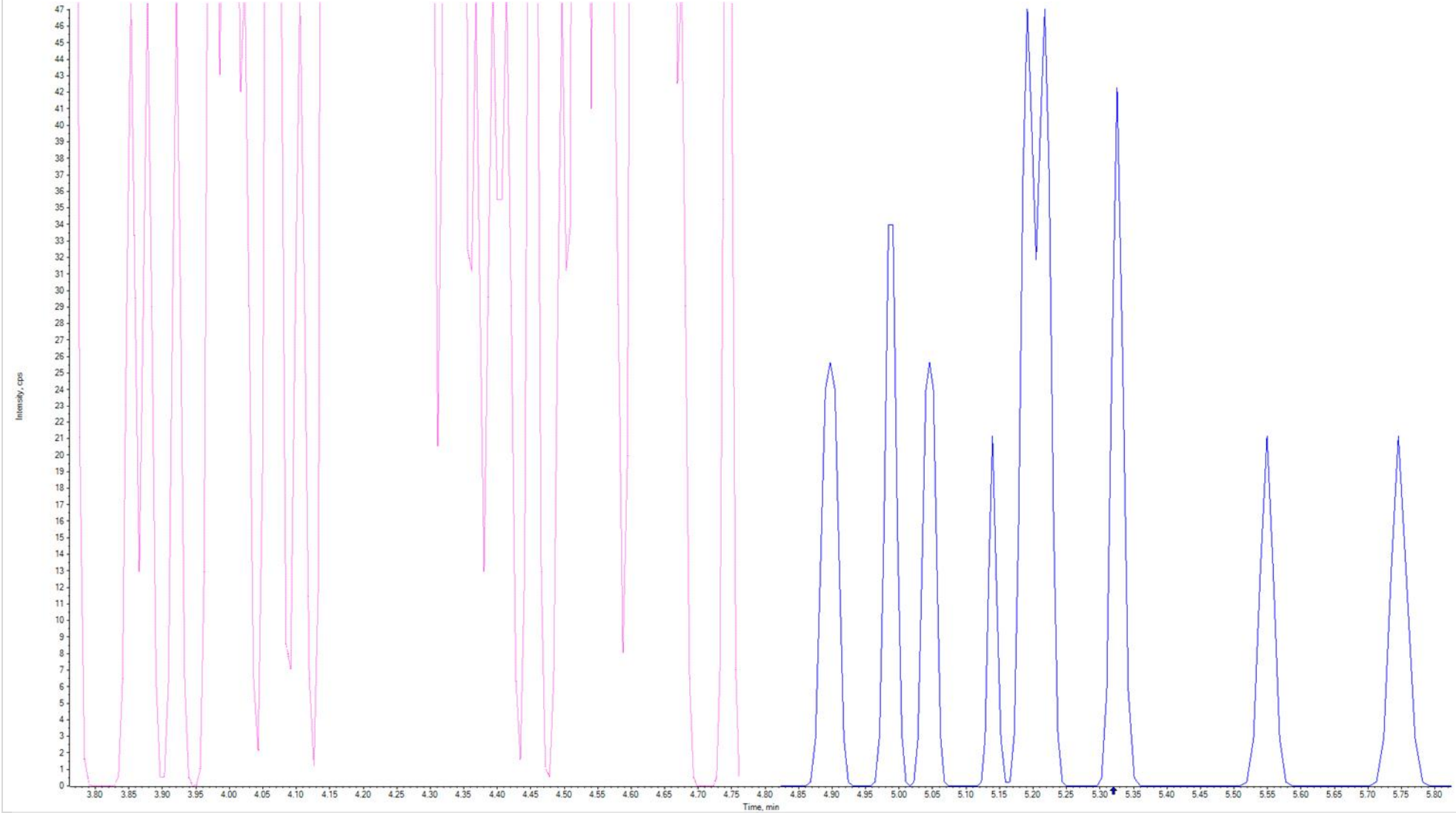

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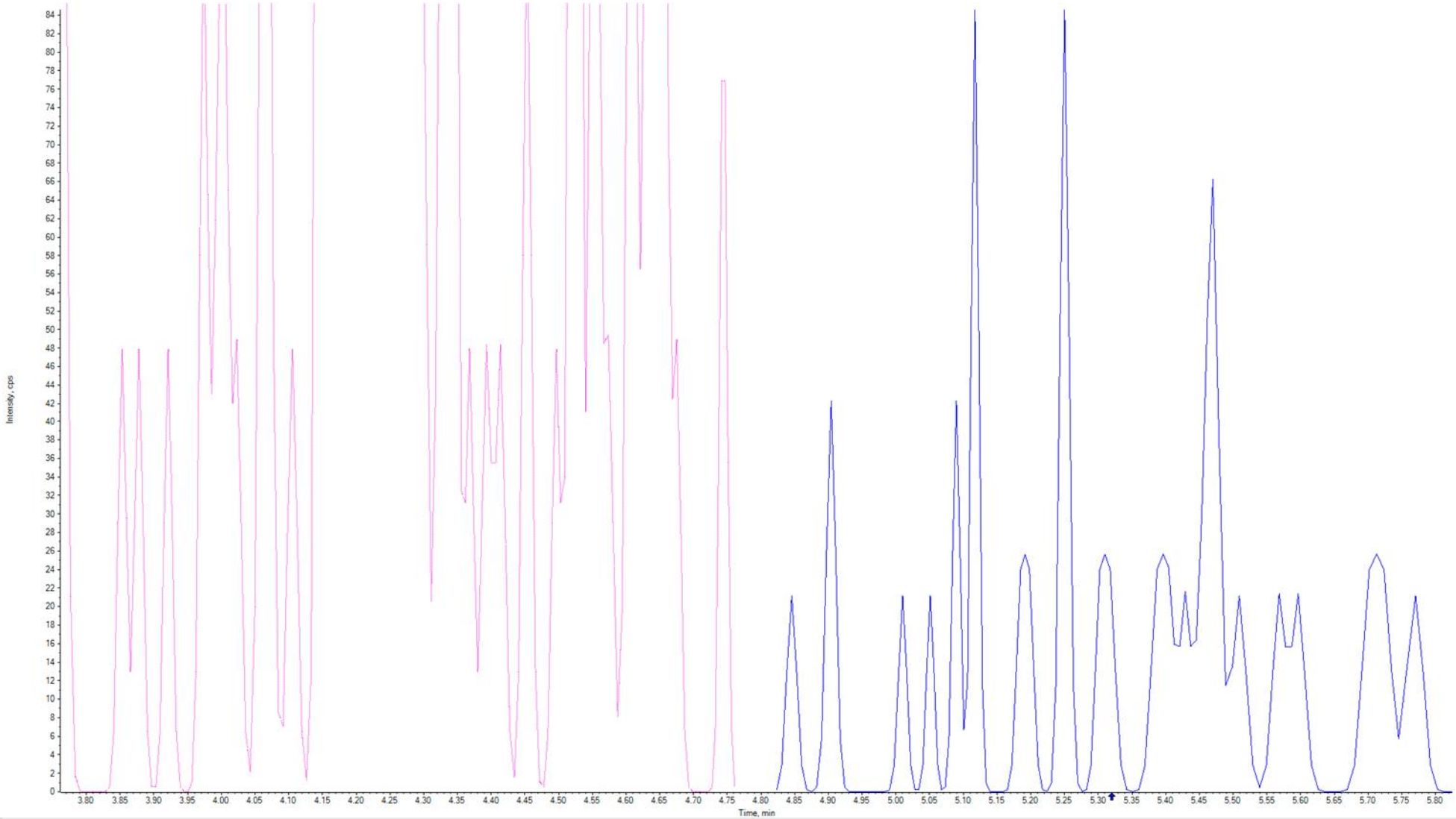

3:3FTCA
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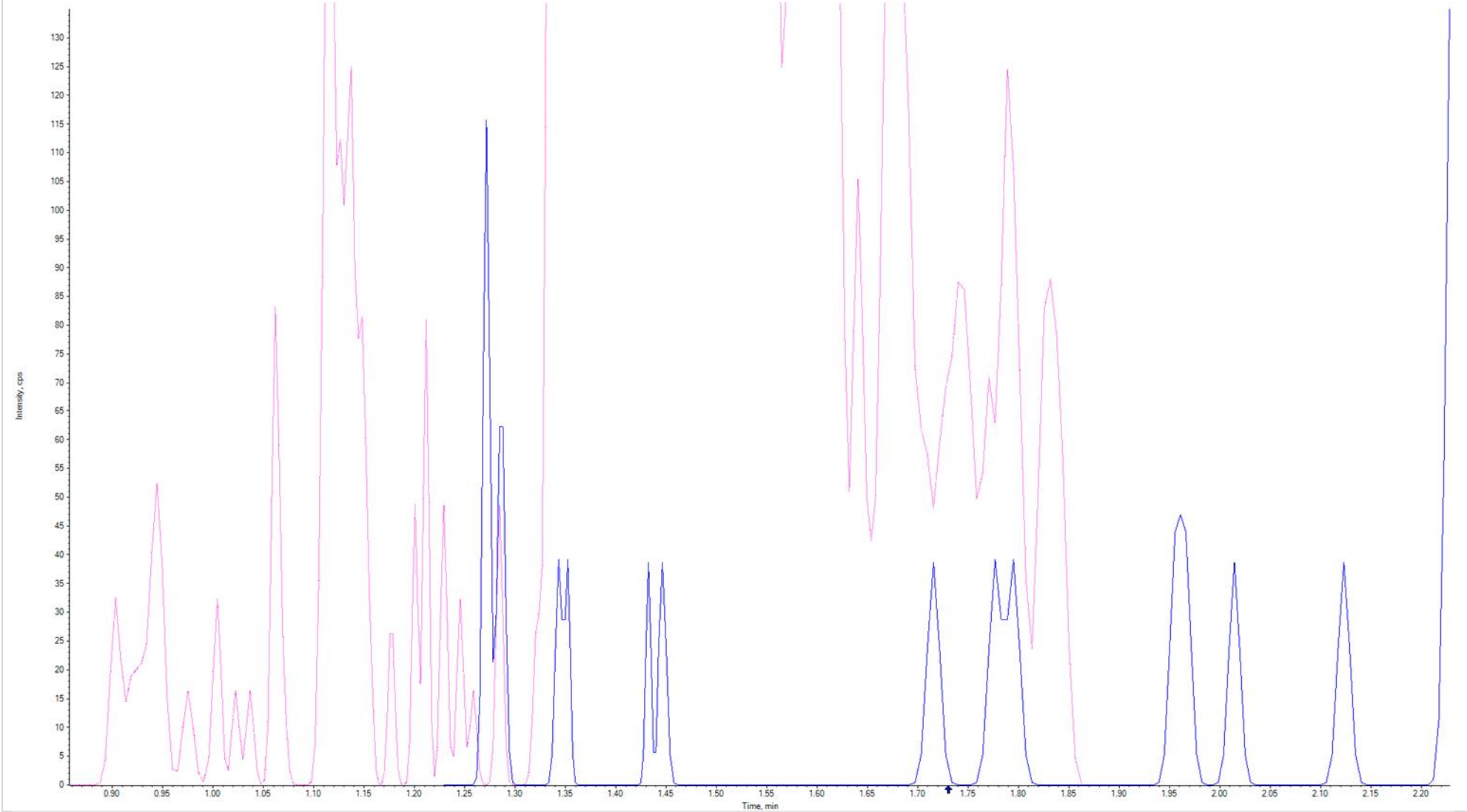

3:3FTCA_2
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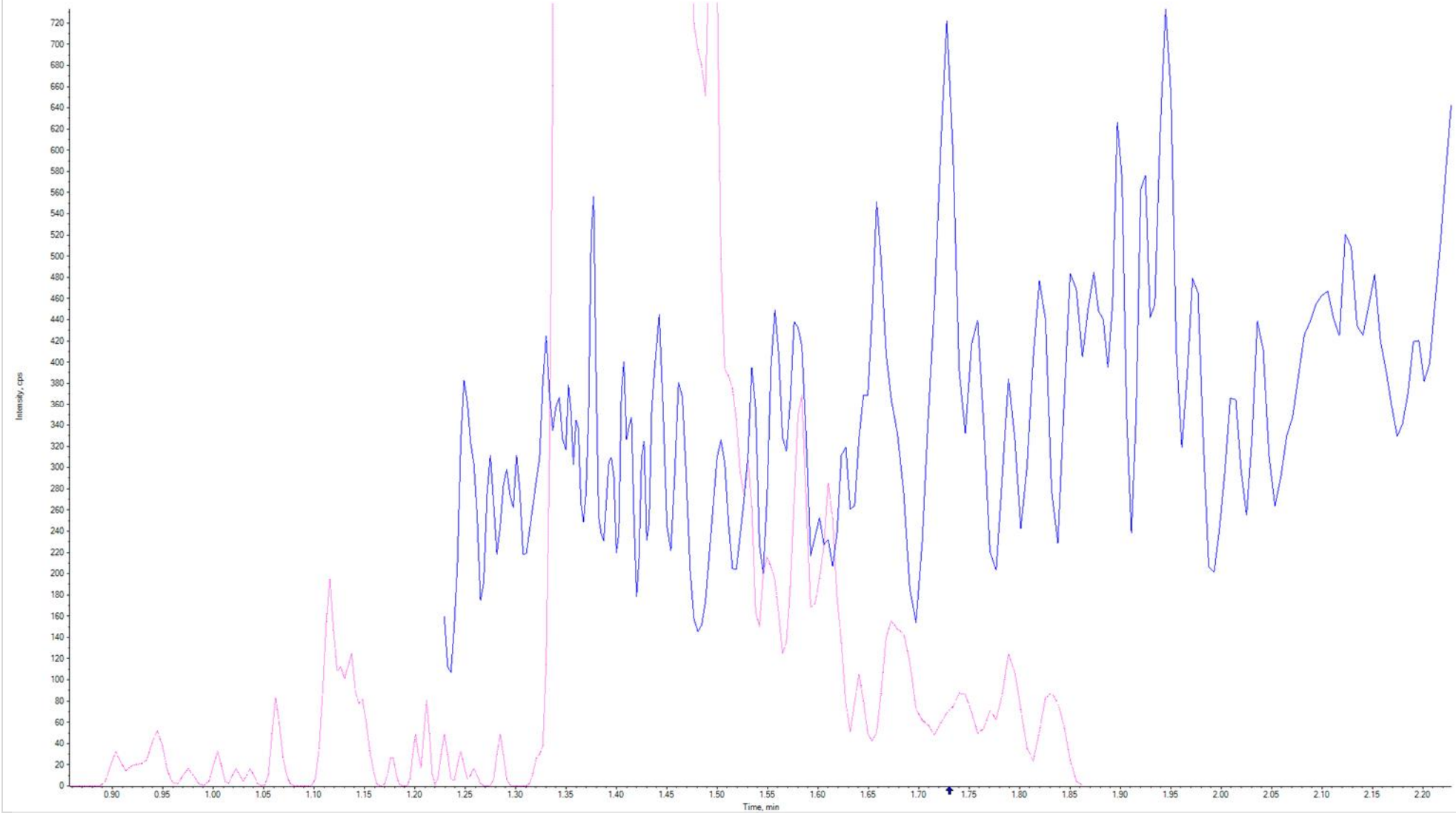

5:3FTCA
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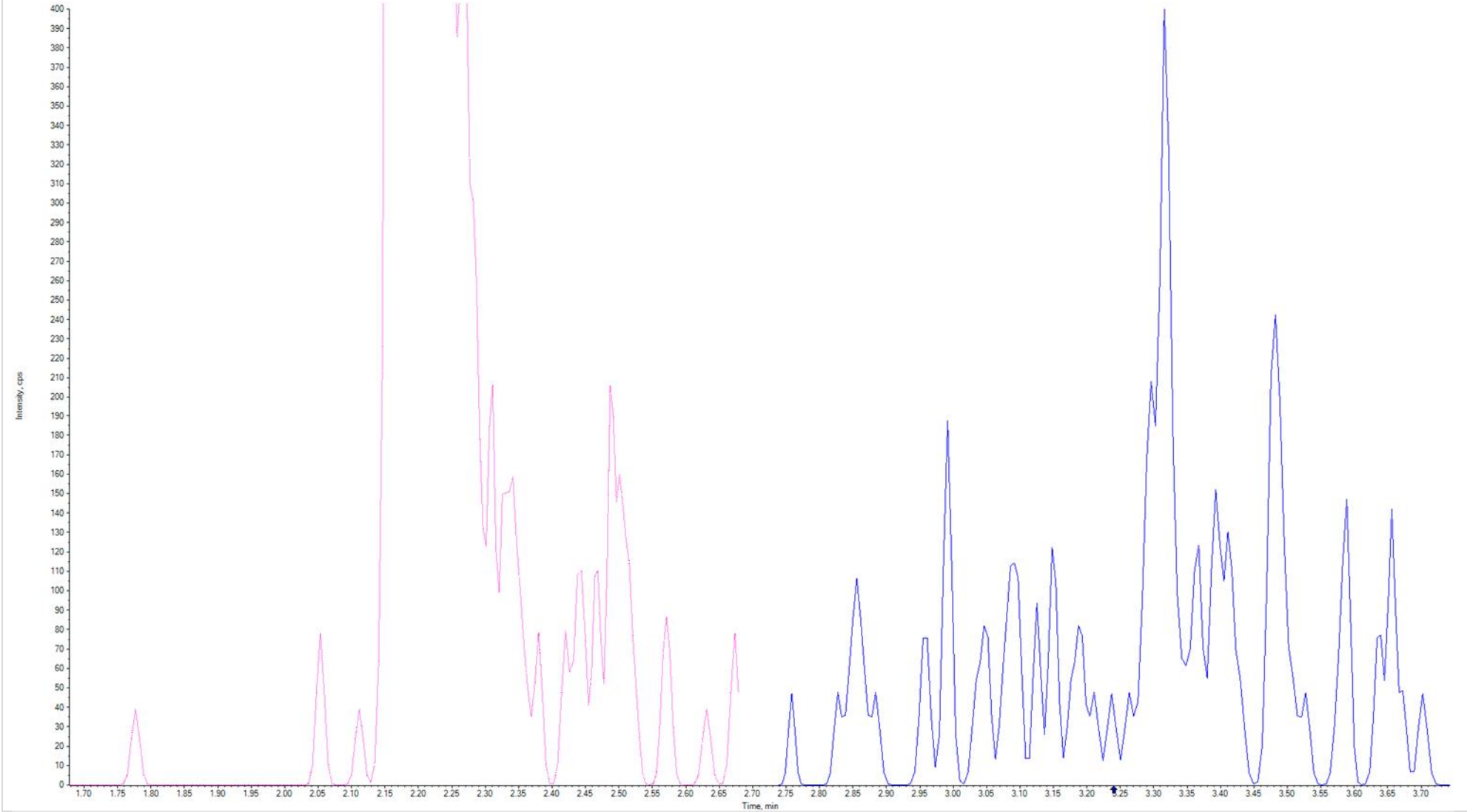

5:3FTCA_2
Sample: L2474358-02 S/N:N/A Points Across peak:N/A

7:3FTCA
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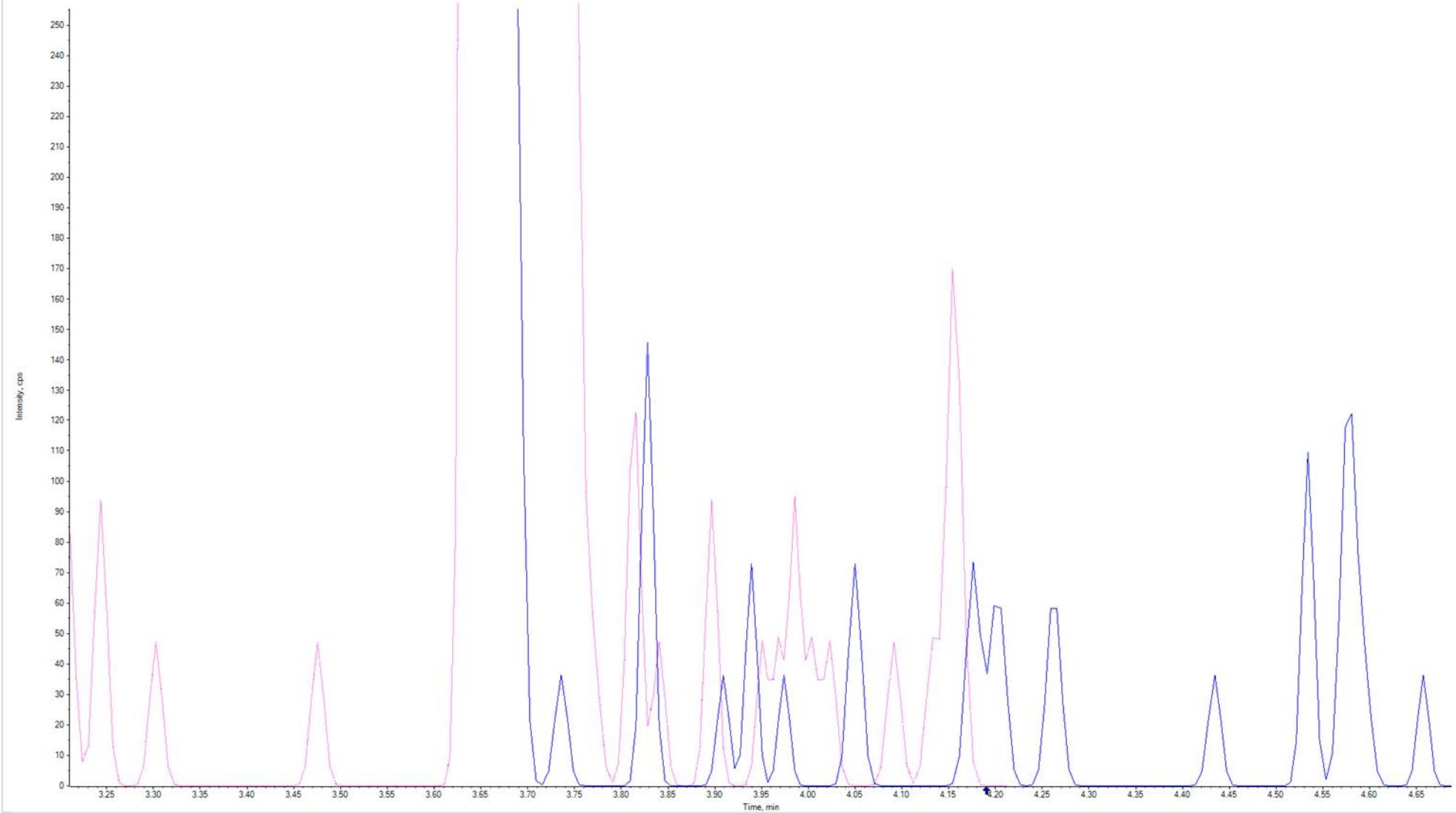

7:3FTCA_2
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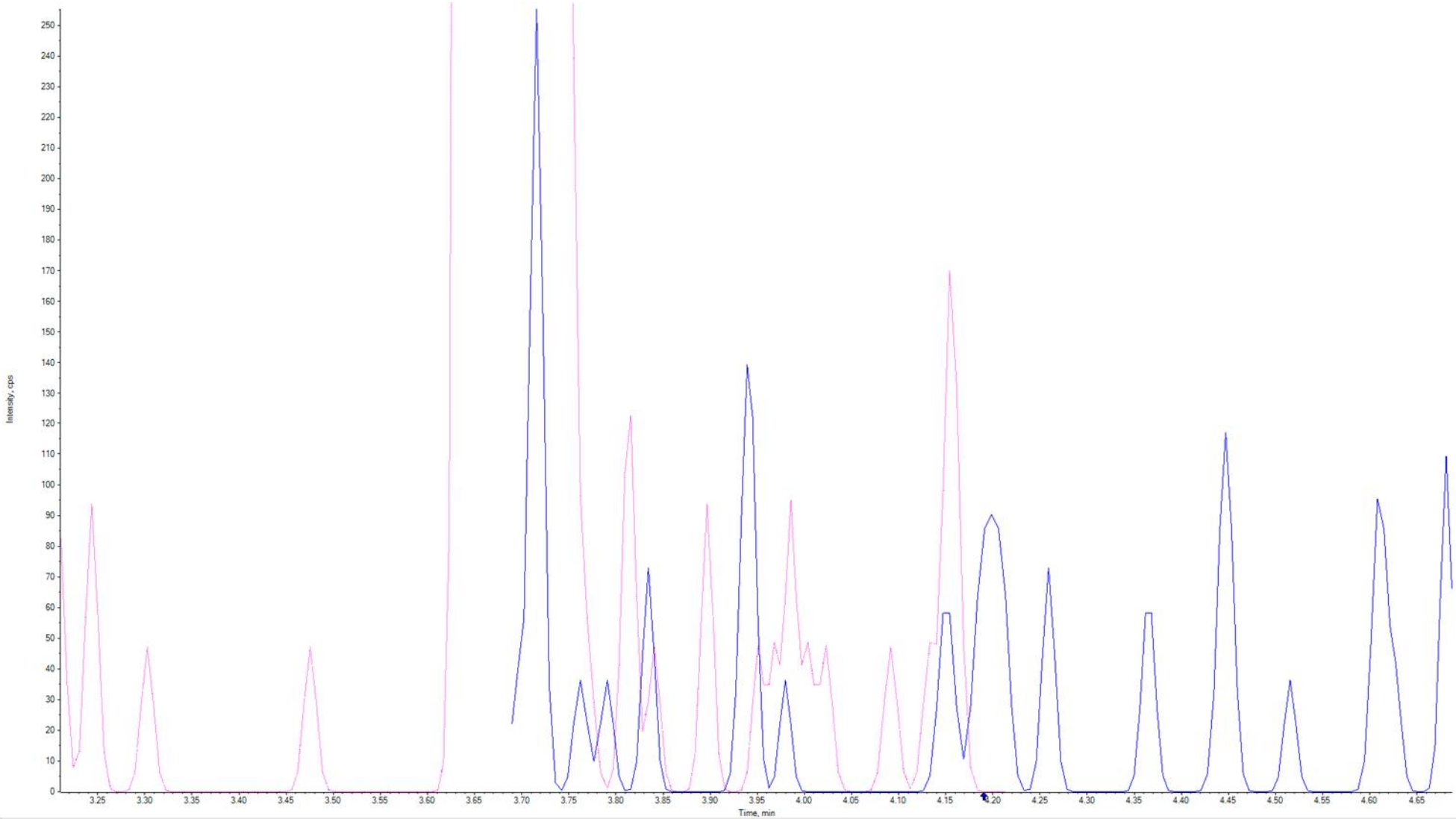

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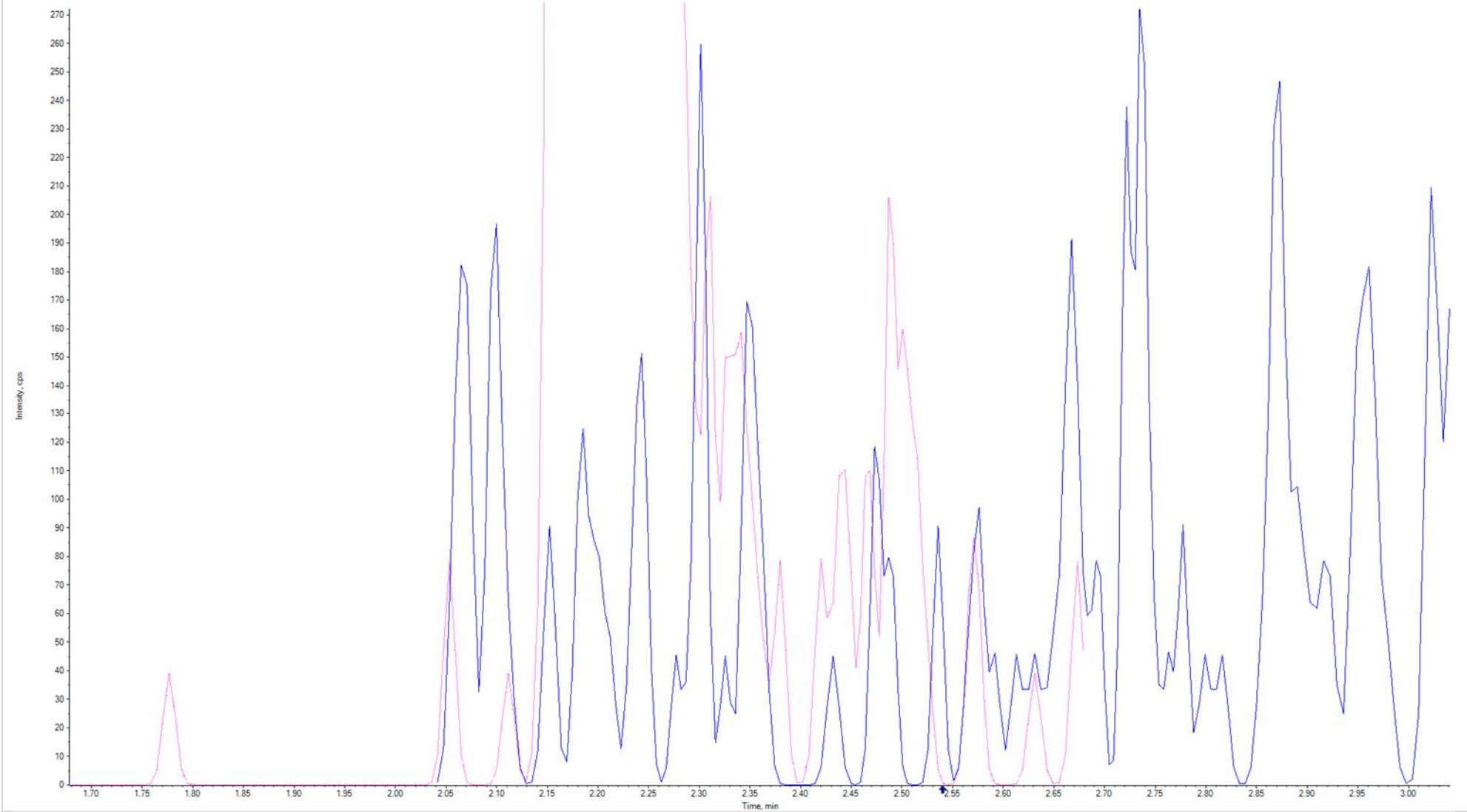
PFEESA
Sample: L2474358-02 S/N:N/A Points Across peak:N/A



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PFEESA_2
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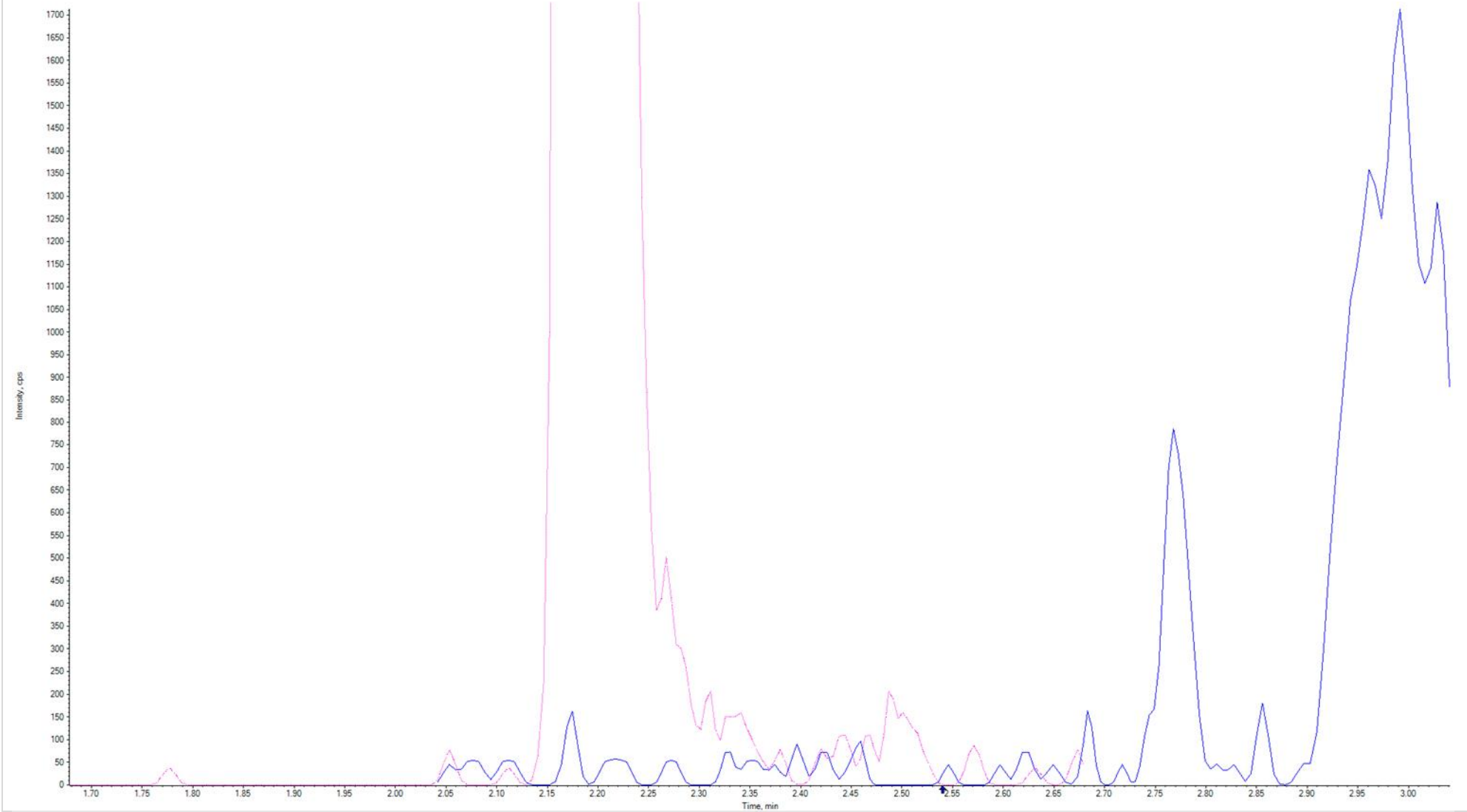

PFMPA
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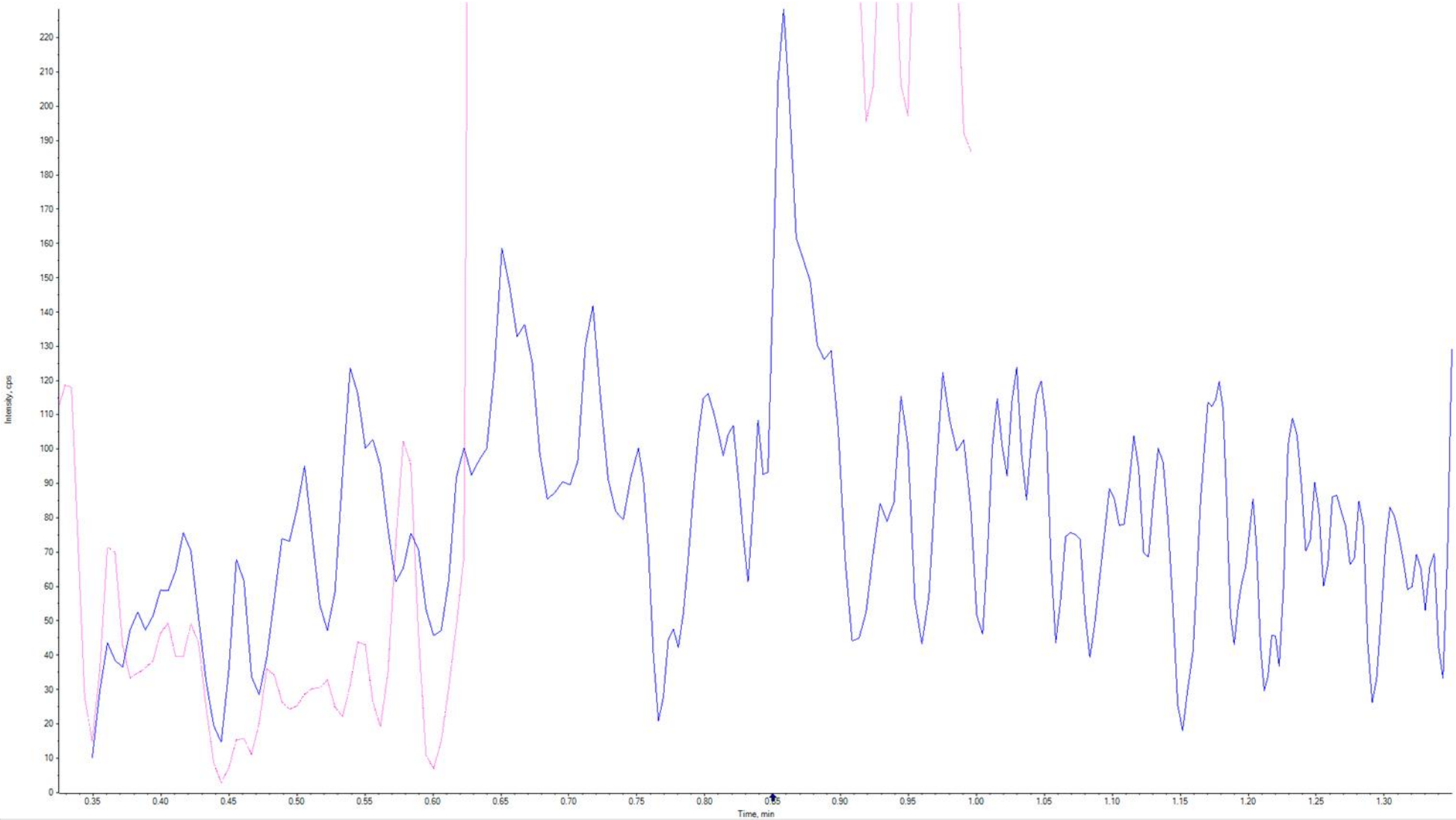

PFMBA
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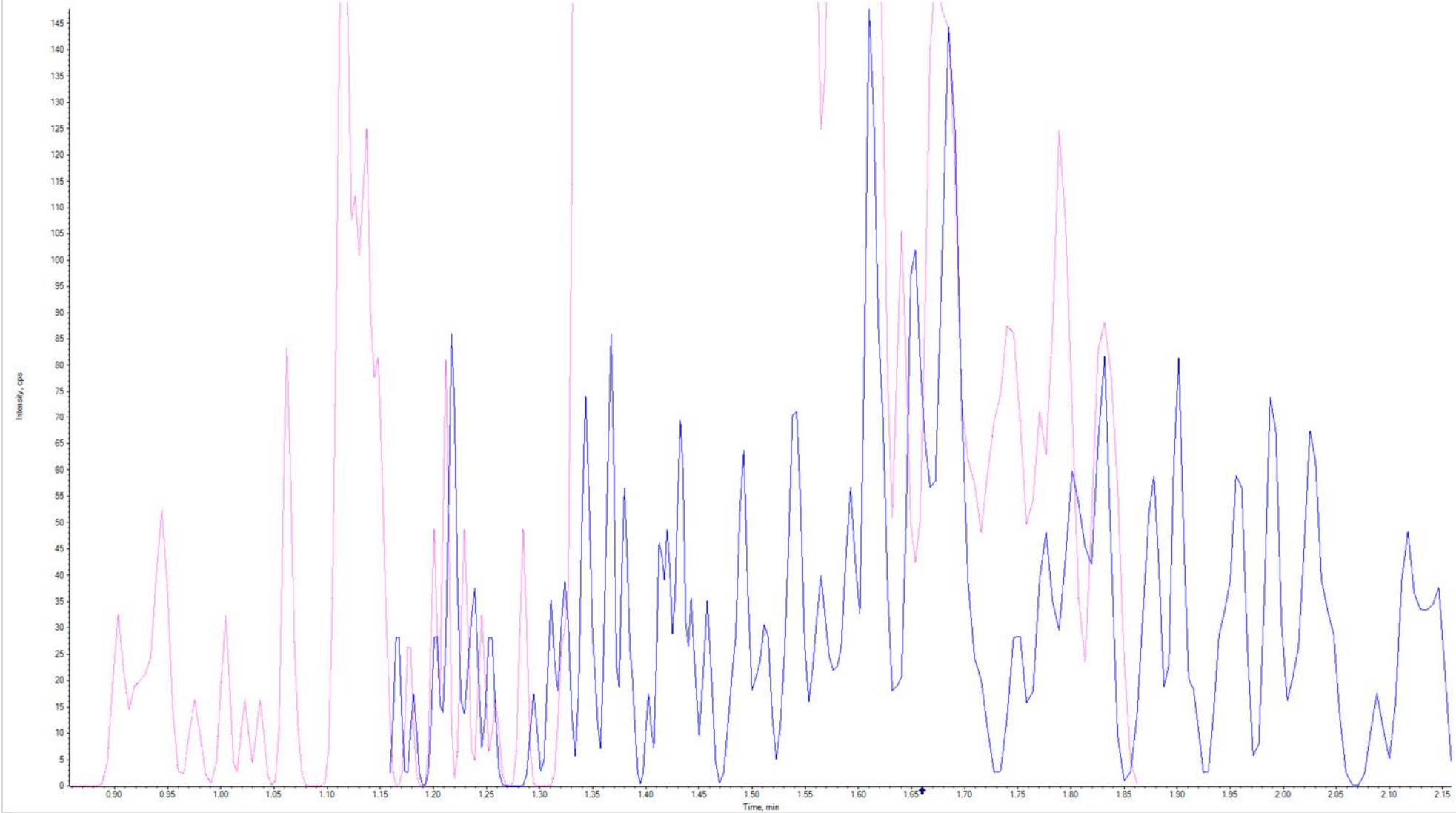

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NFDHA
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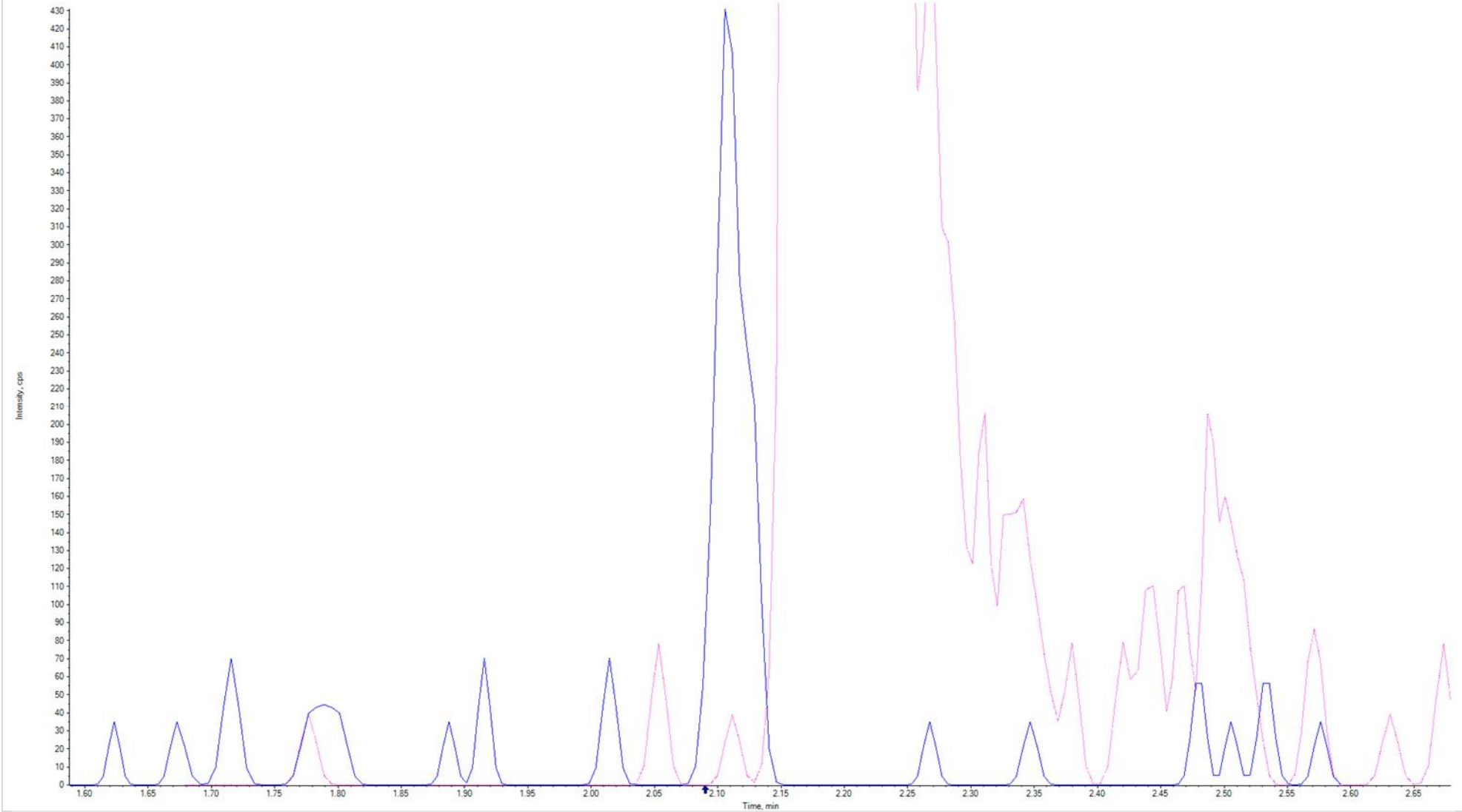

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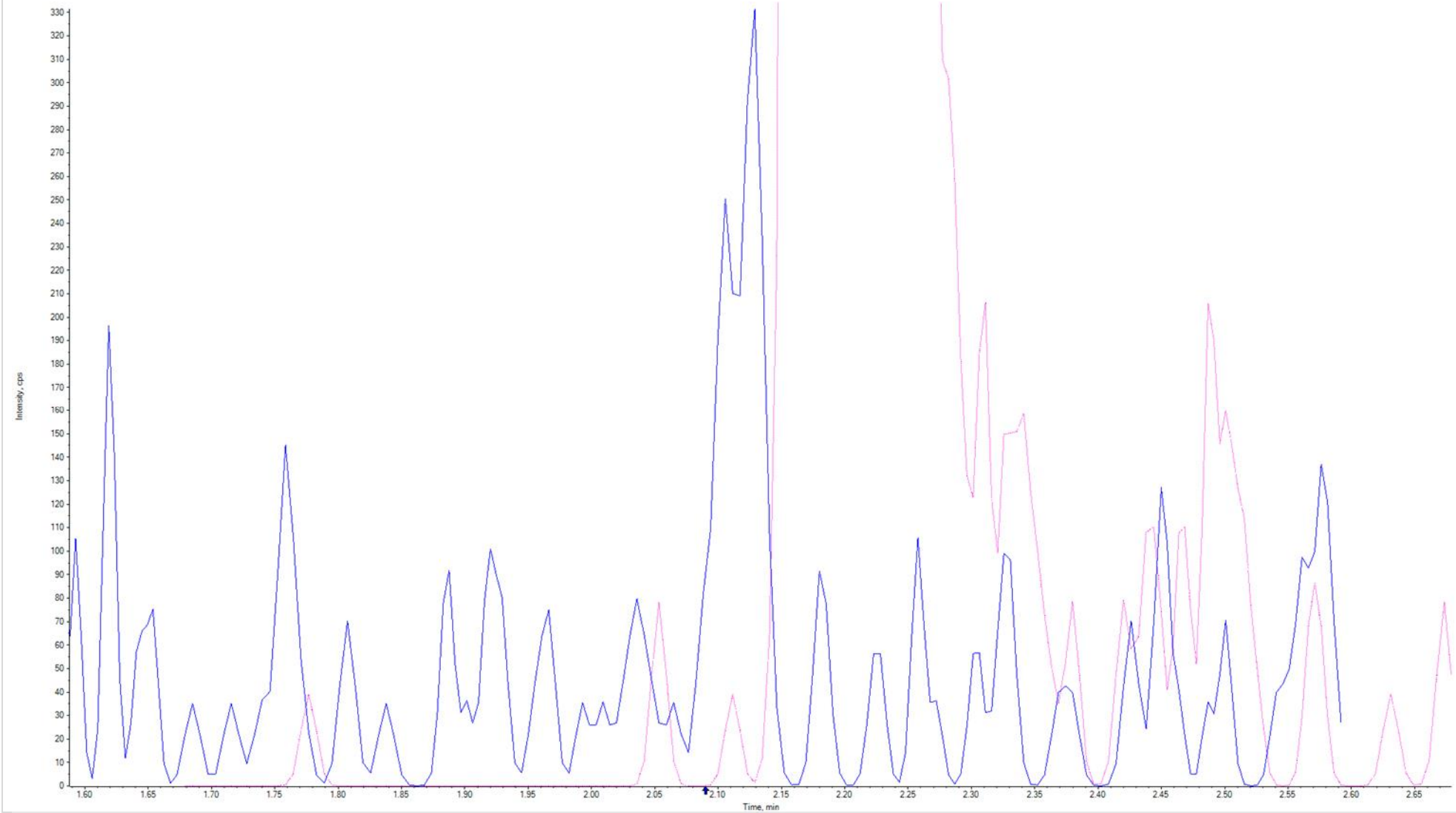

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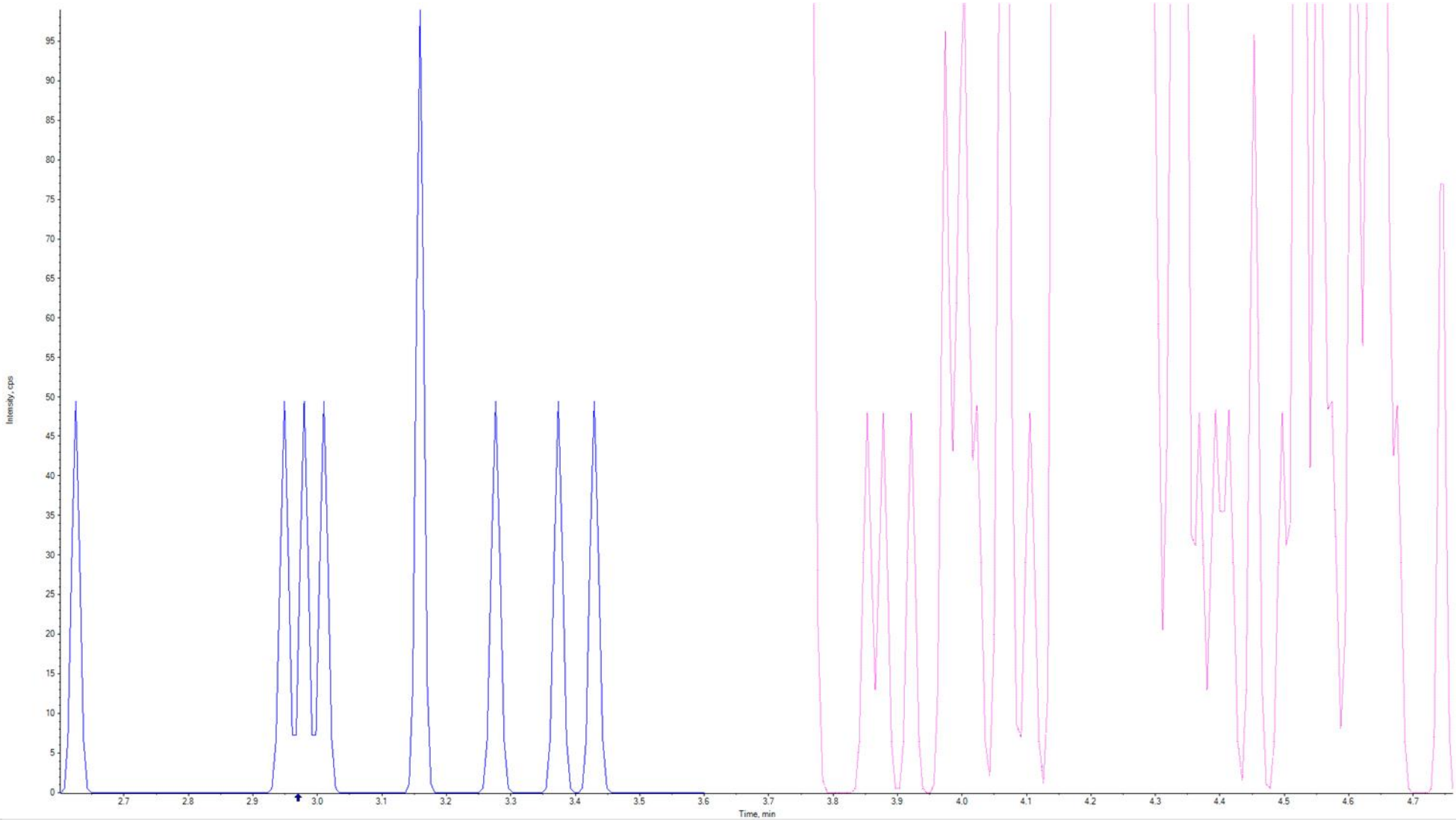

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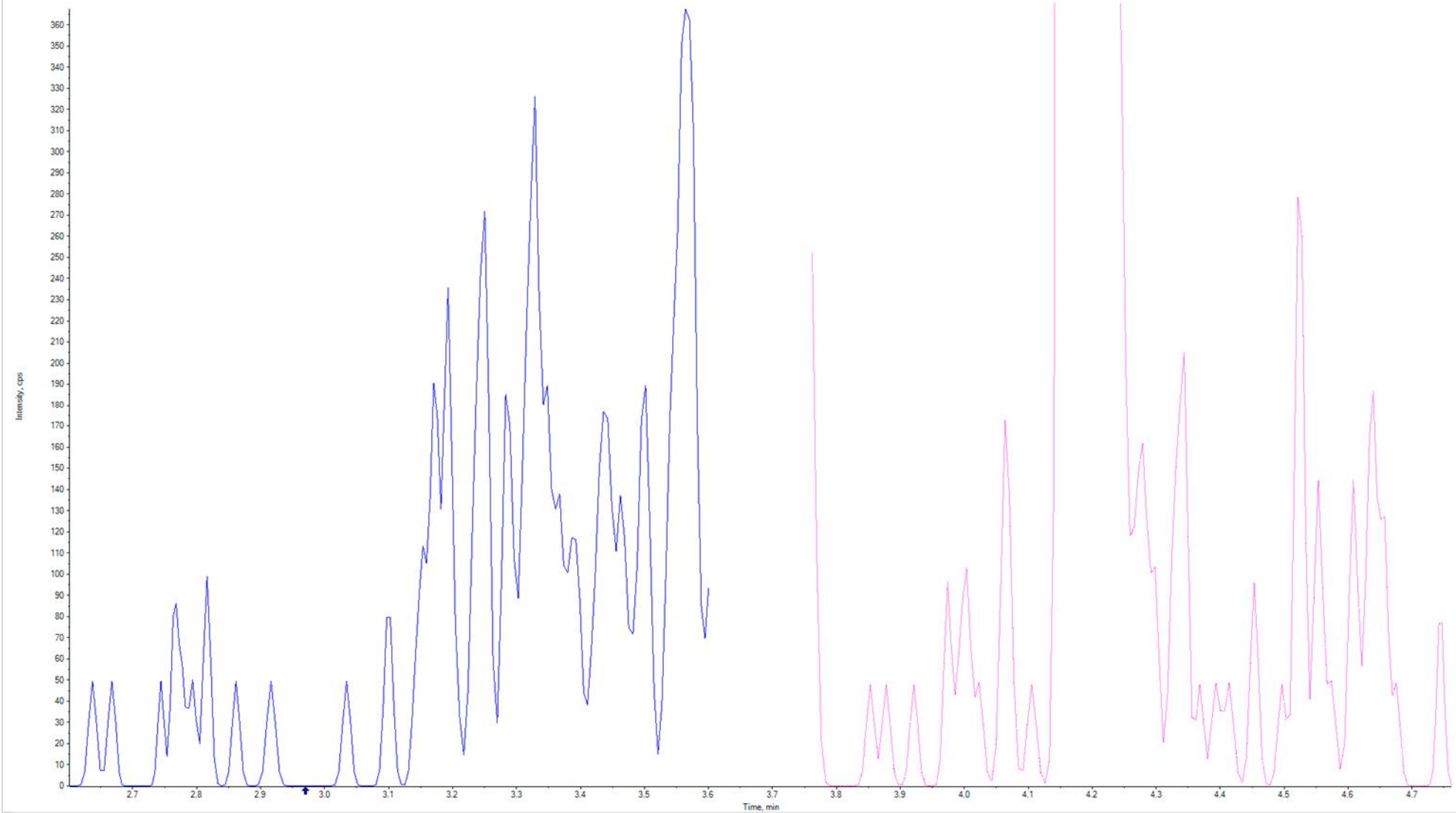
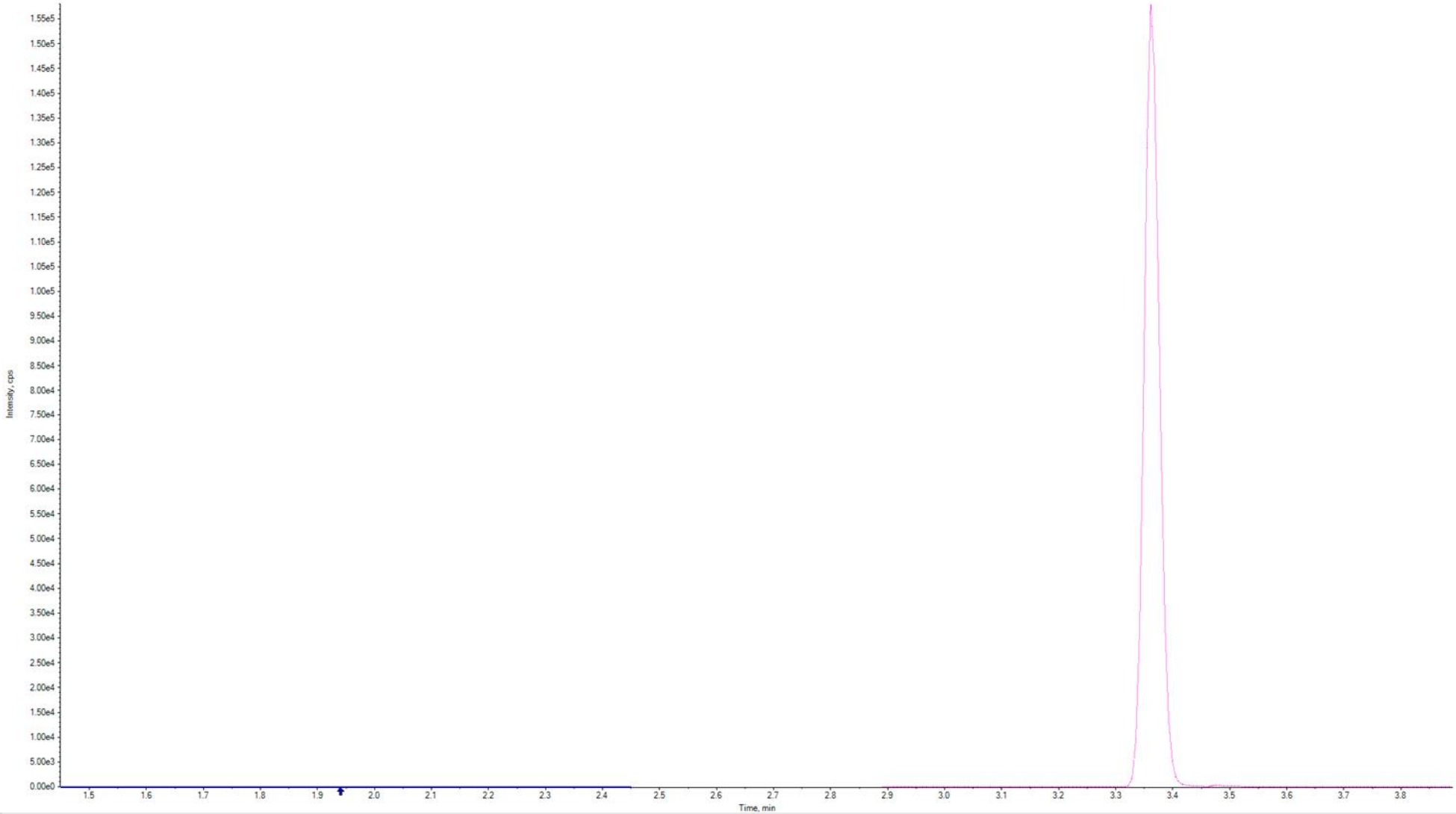
TDCA_2
Sample: L2474358-02 S/N:N/A Points Across peak:N/A



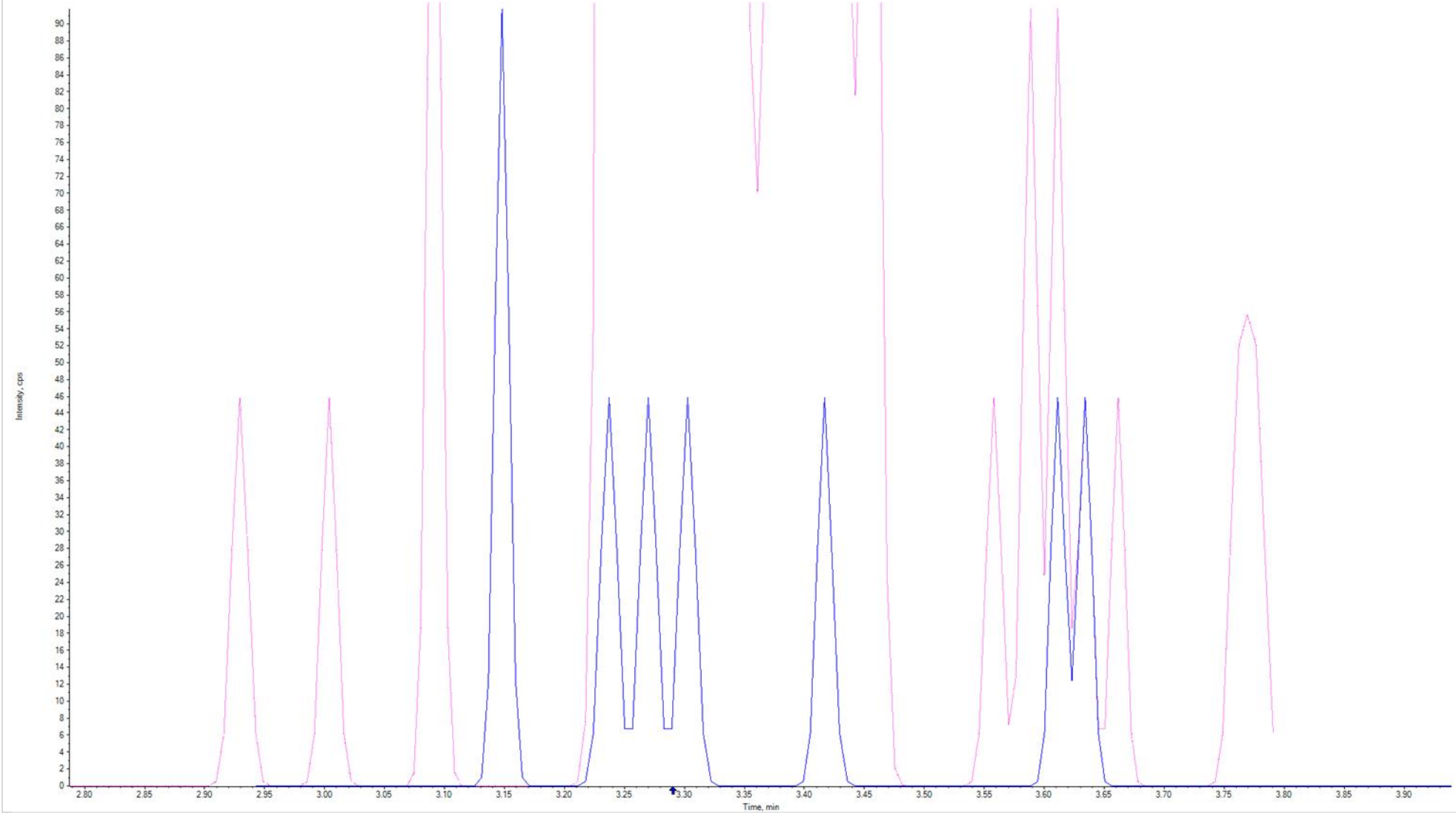
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_95.wiff2_4
Last Altered: 12/20/2024 2:21:21 AM
Generated: 12/19/2024 2:27:31 PM

13C2D4-4:2FTS
Sample: L2474358-02 S/N:N/A Points Across peak:N/A

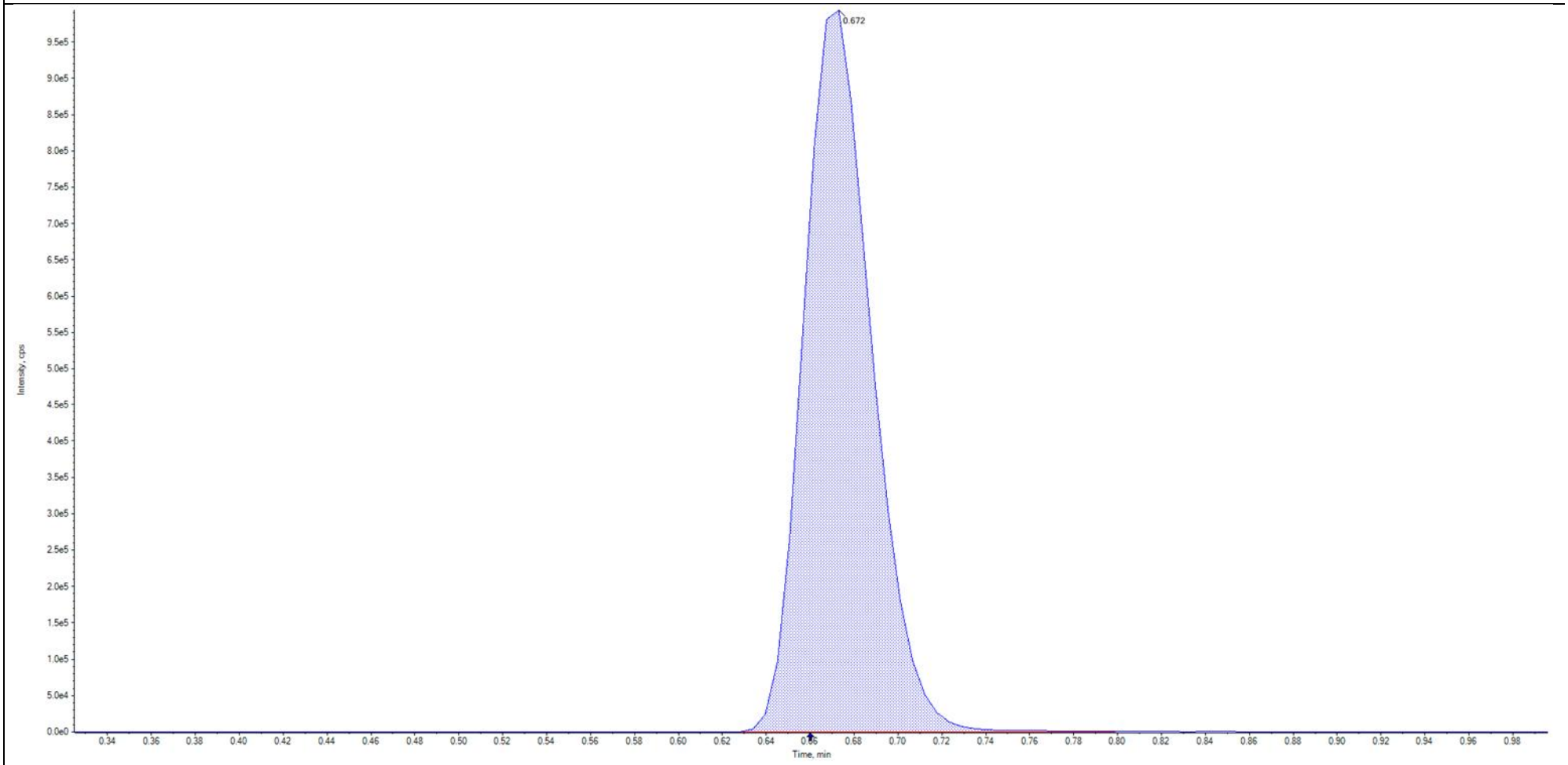


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_95.wiff2_4
Last Altered: 12/20/2024 2:21:21 AM
Generated: 12/19/2024 2:27:31 PM

13C2-PFOA
Sample: L2474358-02 S/N:N/A Points Across peak:N/A

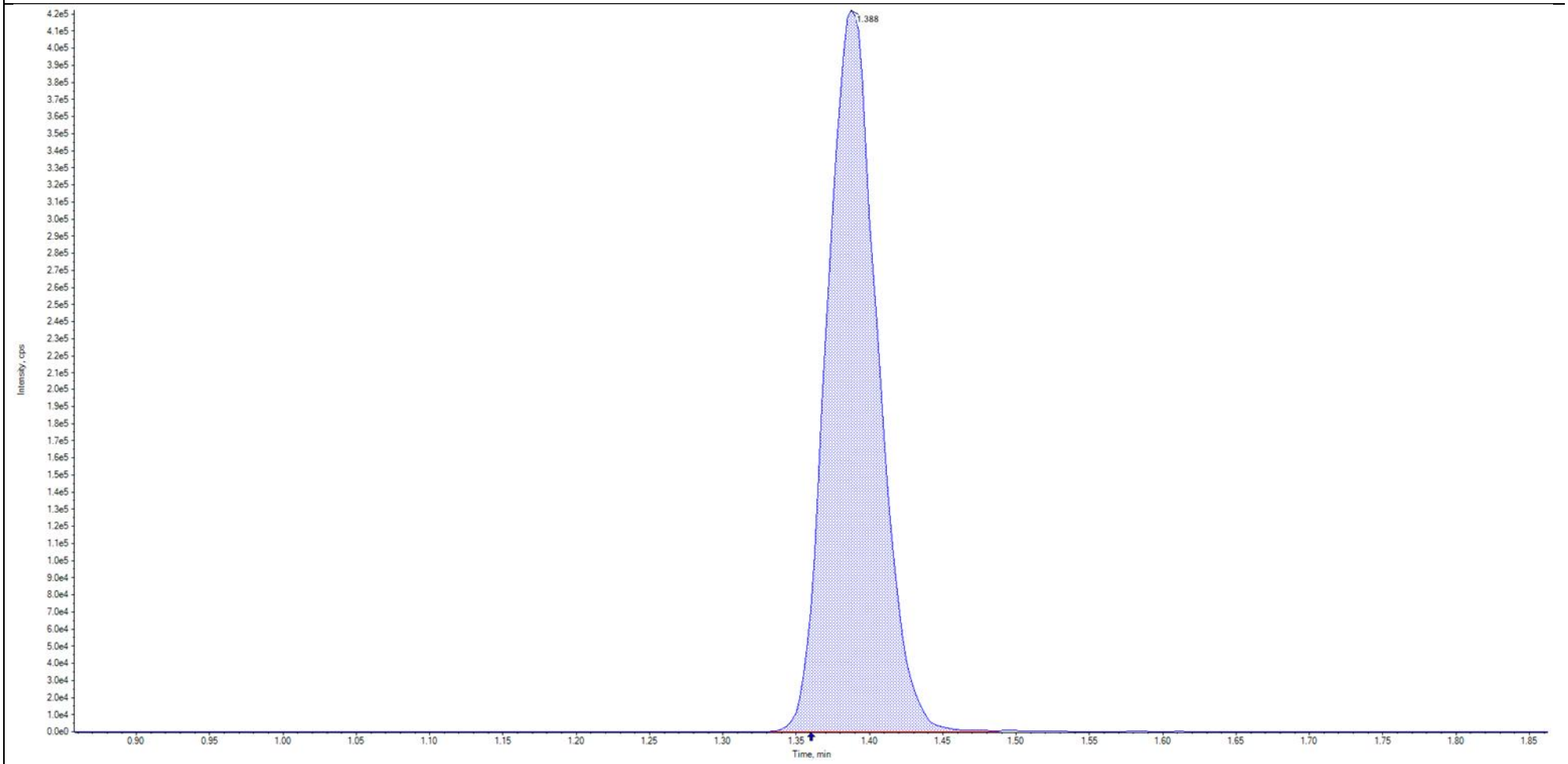


13C4-PFBA
Sample: L2474358-02

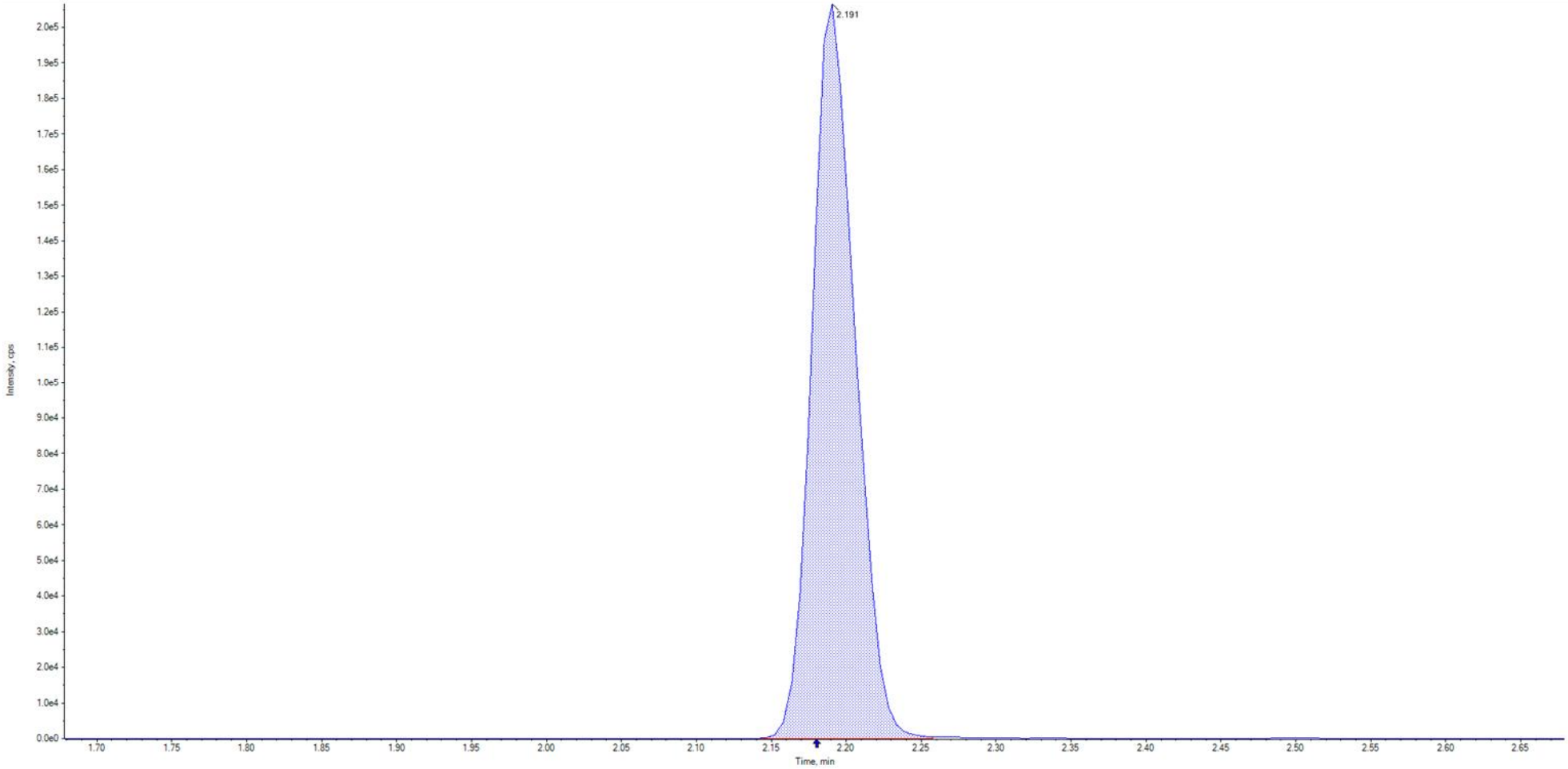


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_95.wiff2_4
Last Altered: 12/20/2024 2:21:21 AM
Generated: 12/19/2024 2:27:31 PM

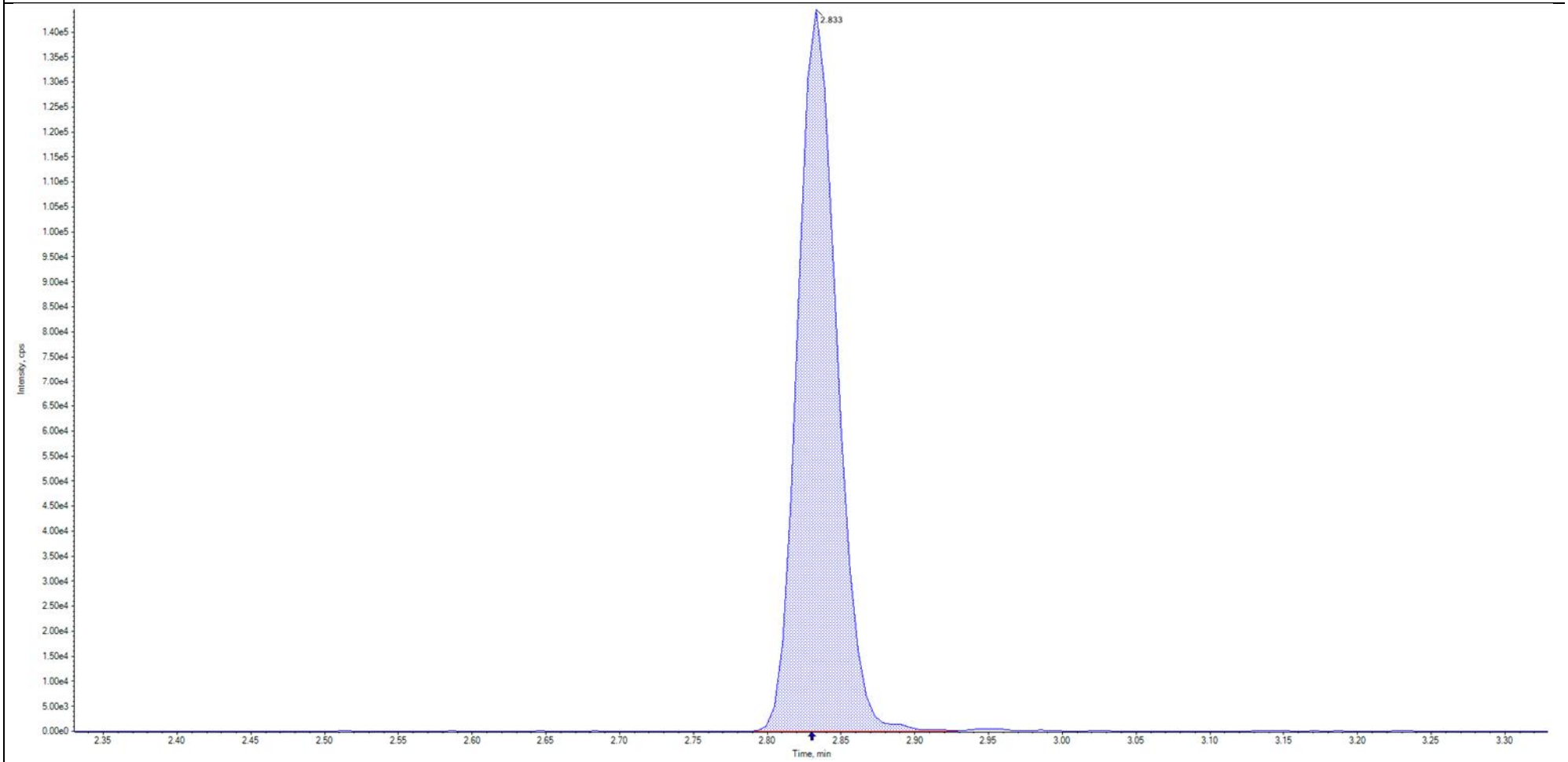
13C5-PFPeA
Sample: L2474358-02



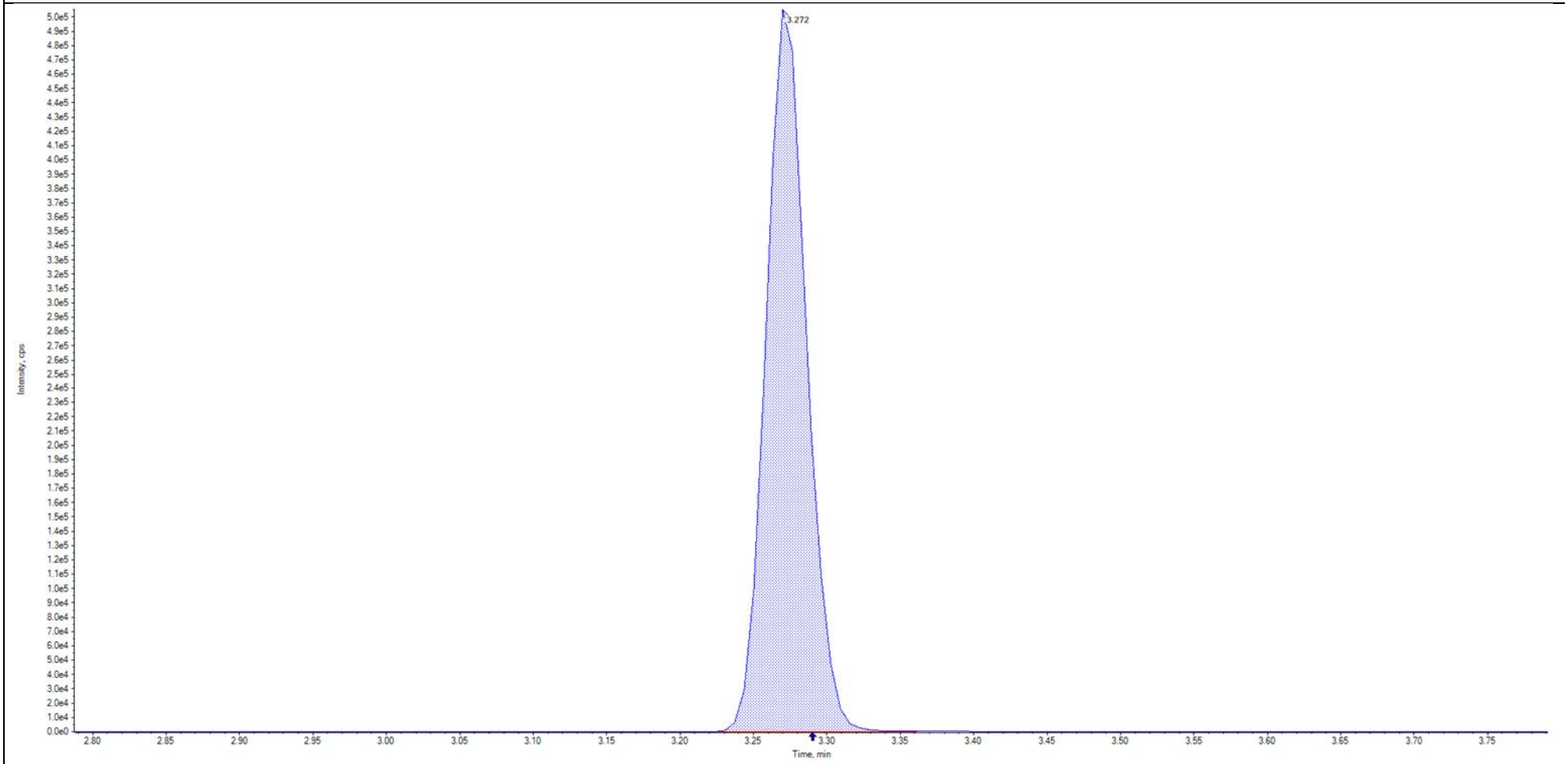
13C5-PFHxA
Sample: L2474358-02



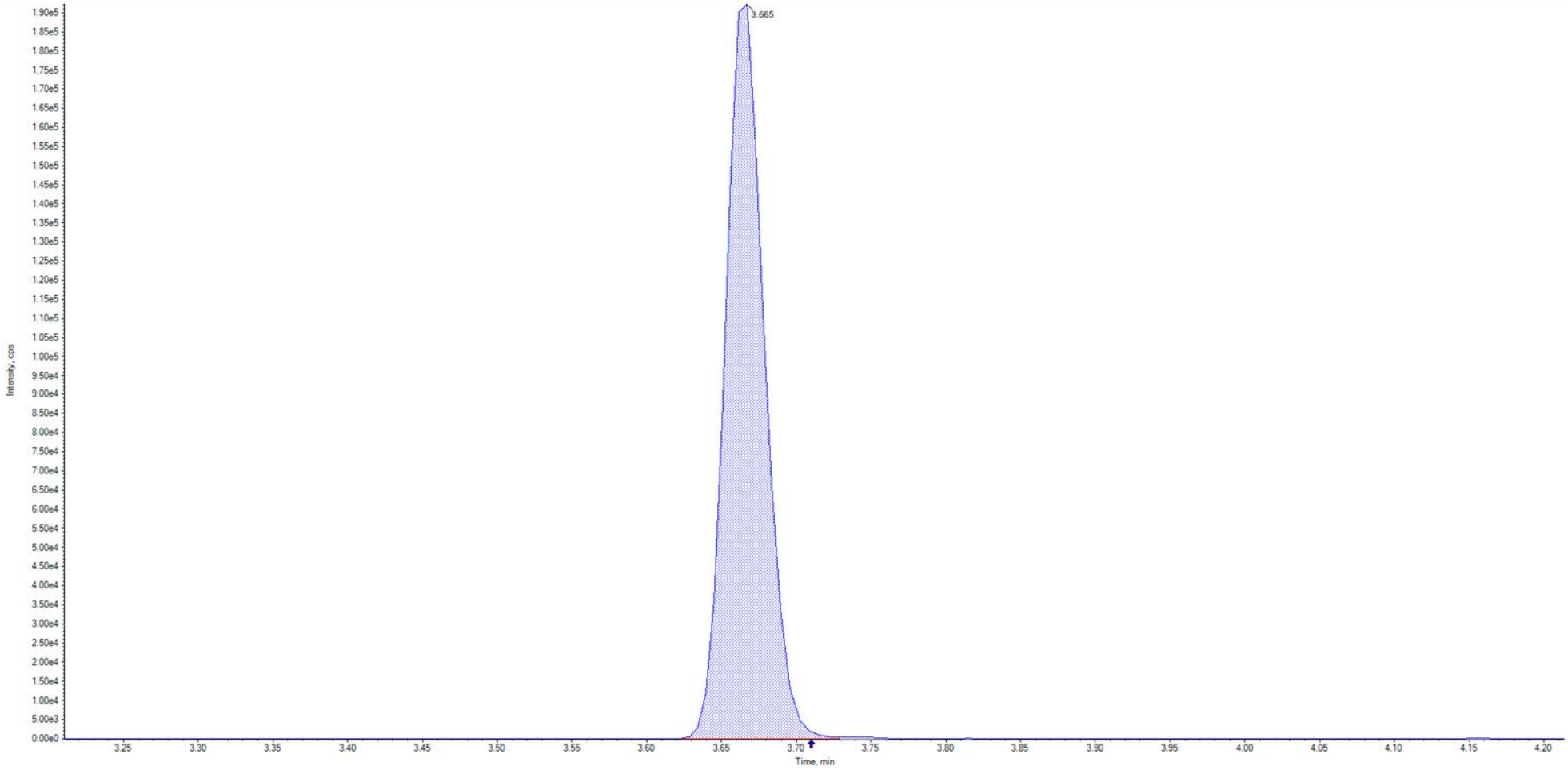
13C4-PFHpA
Sample: L2474358-02



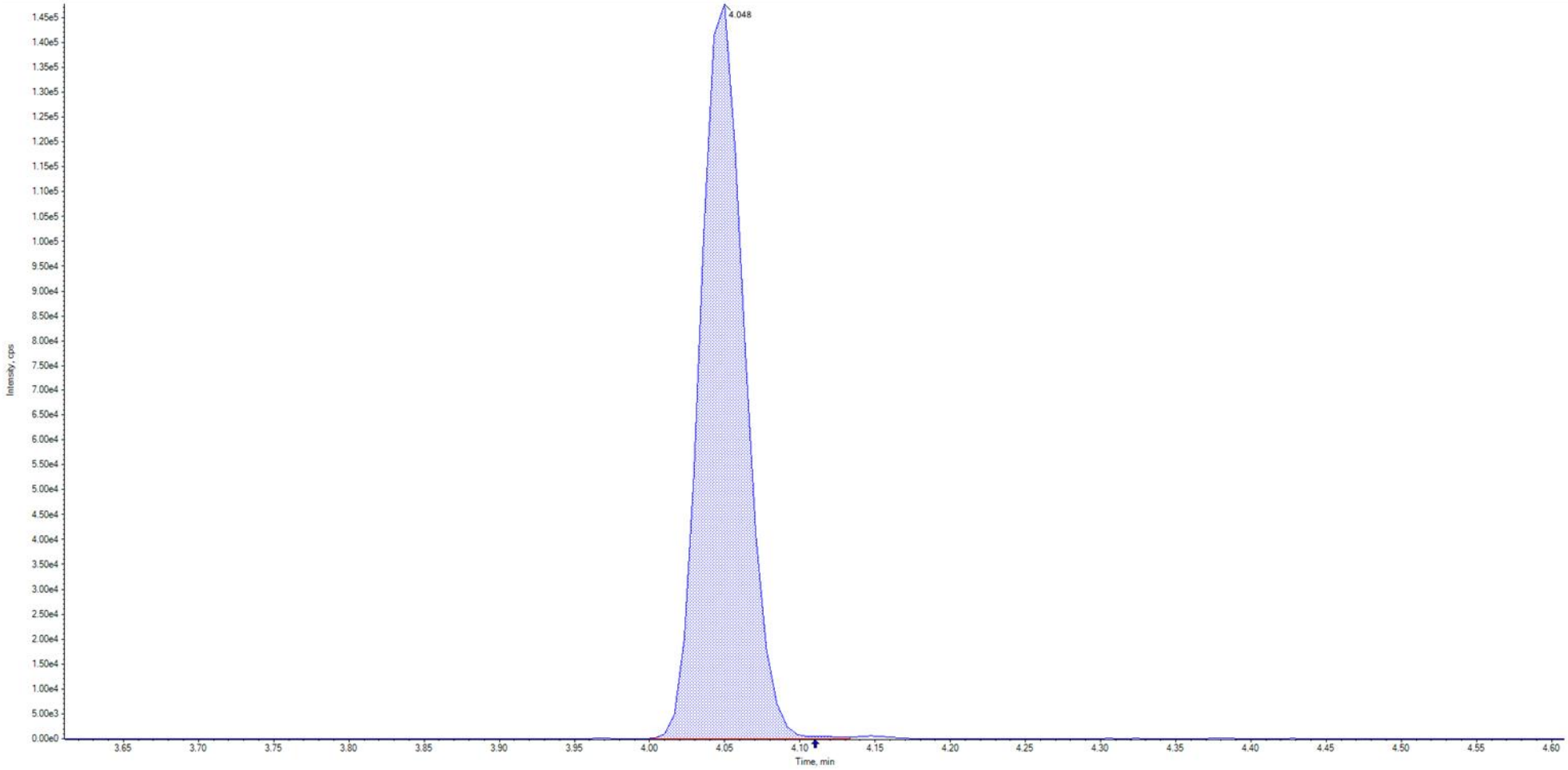
13C8-PFOA
Sample: L2474358-02



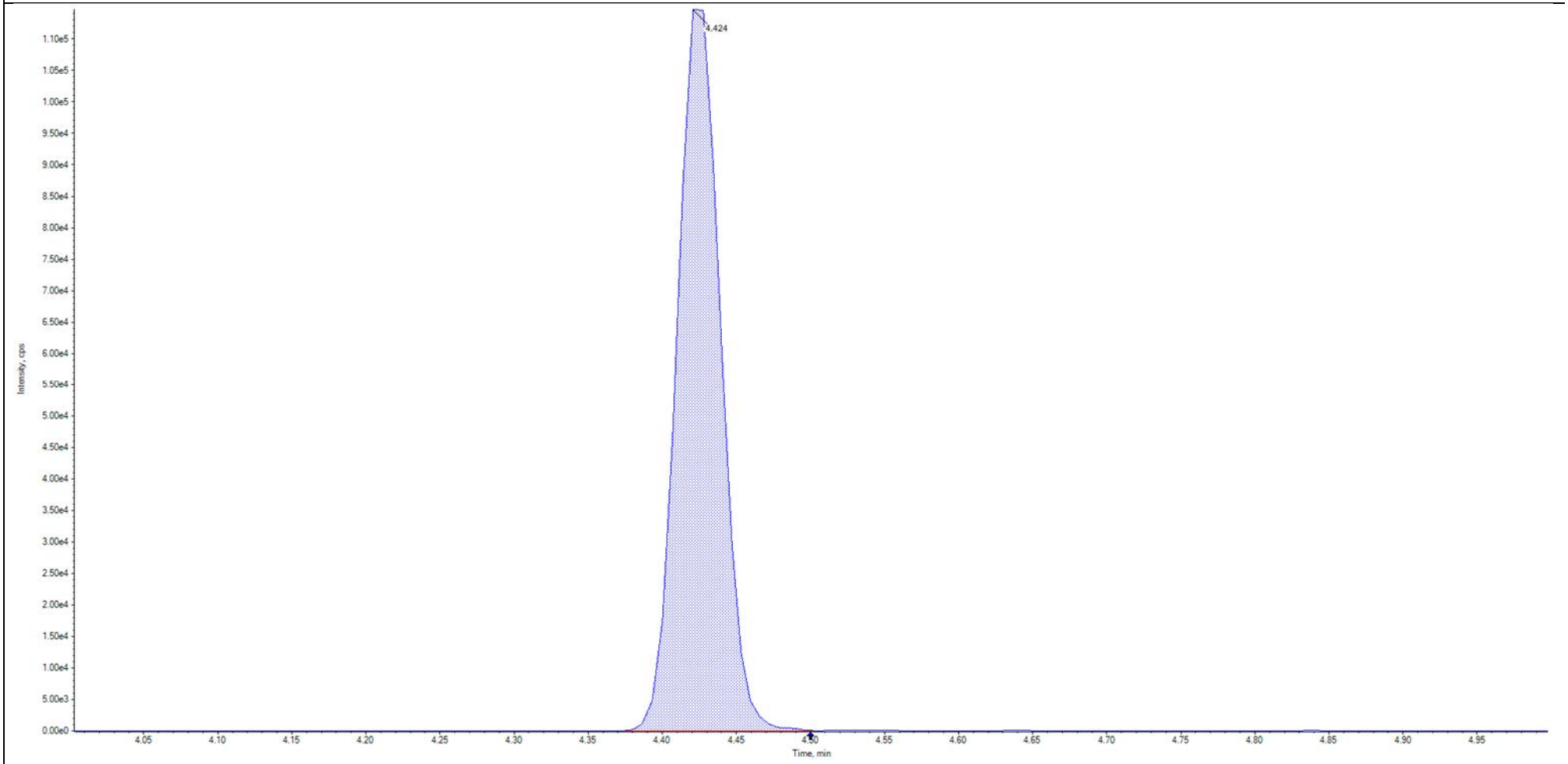
13C9-PFNA
Sample: L2474358-02



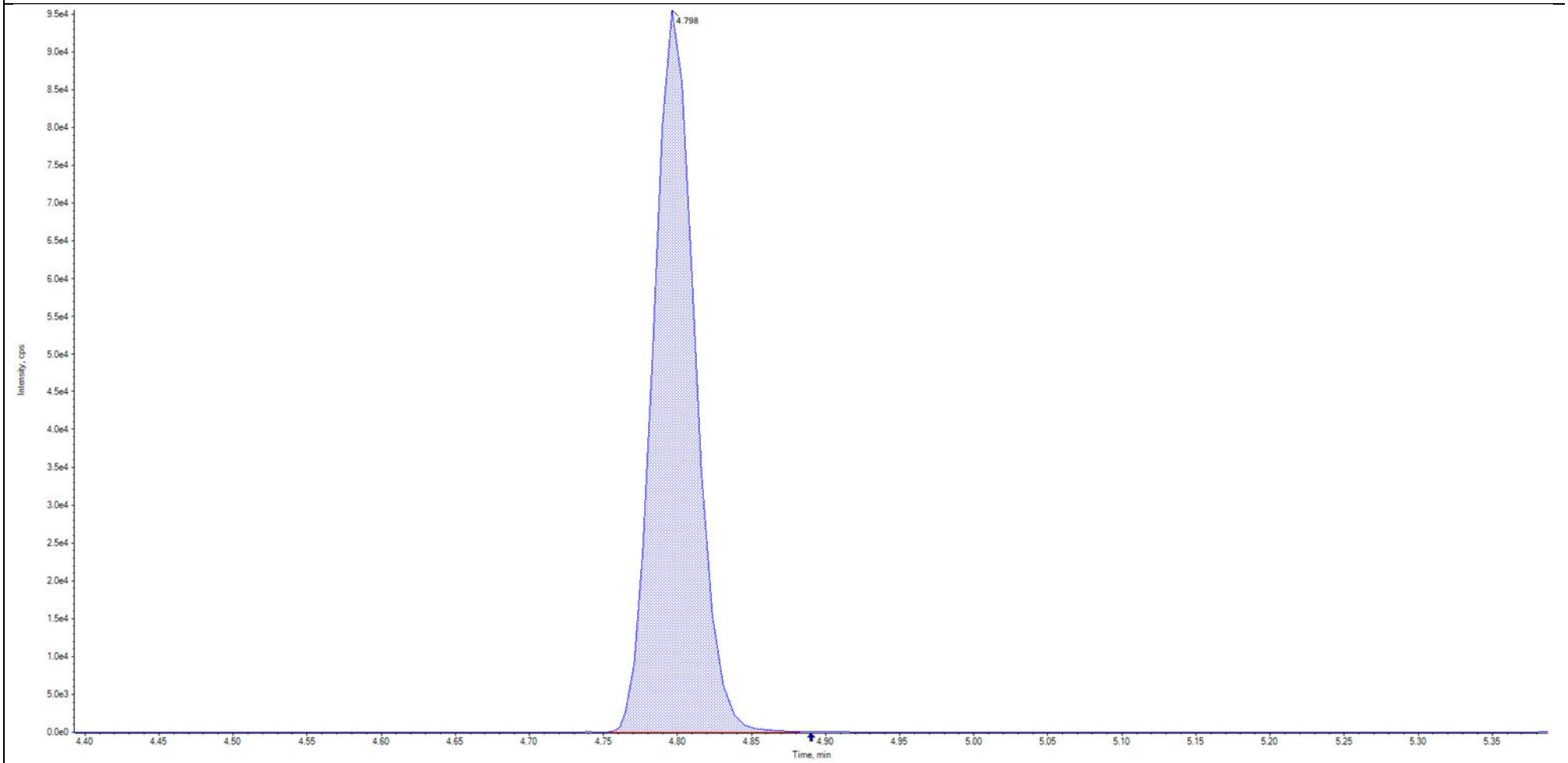
13C6-PFDA
Sample: L2474358-02



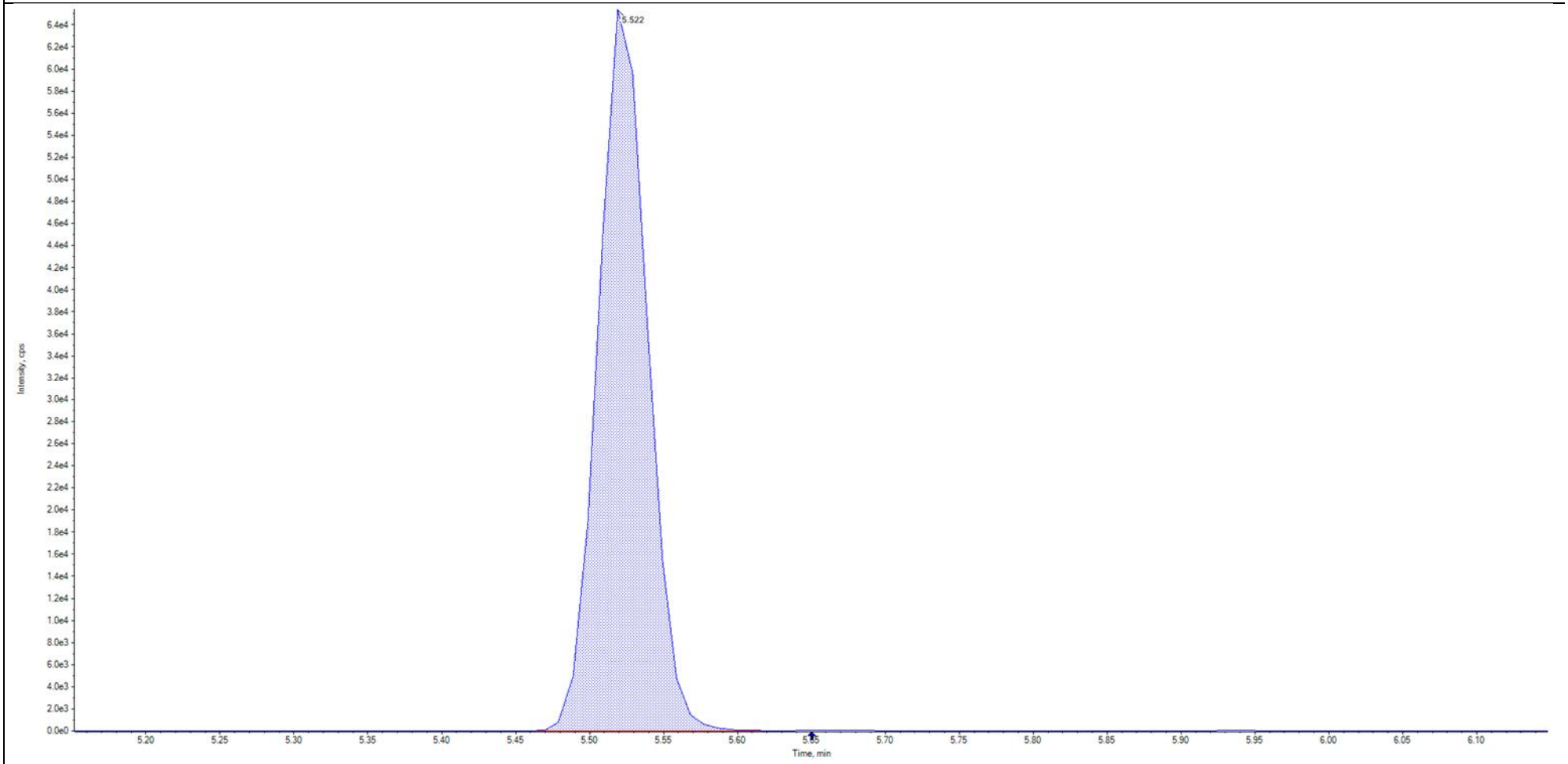
13C7-PFUnA
Sample: L2474358-02



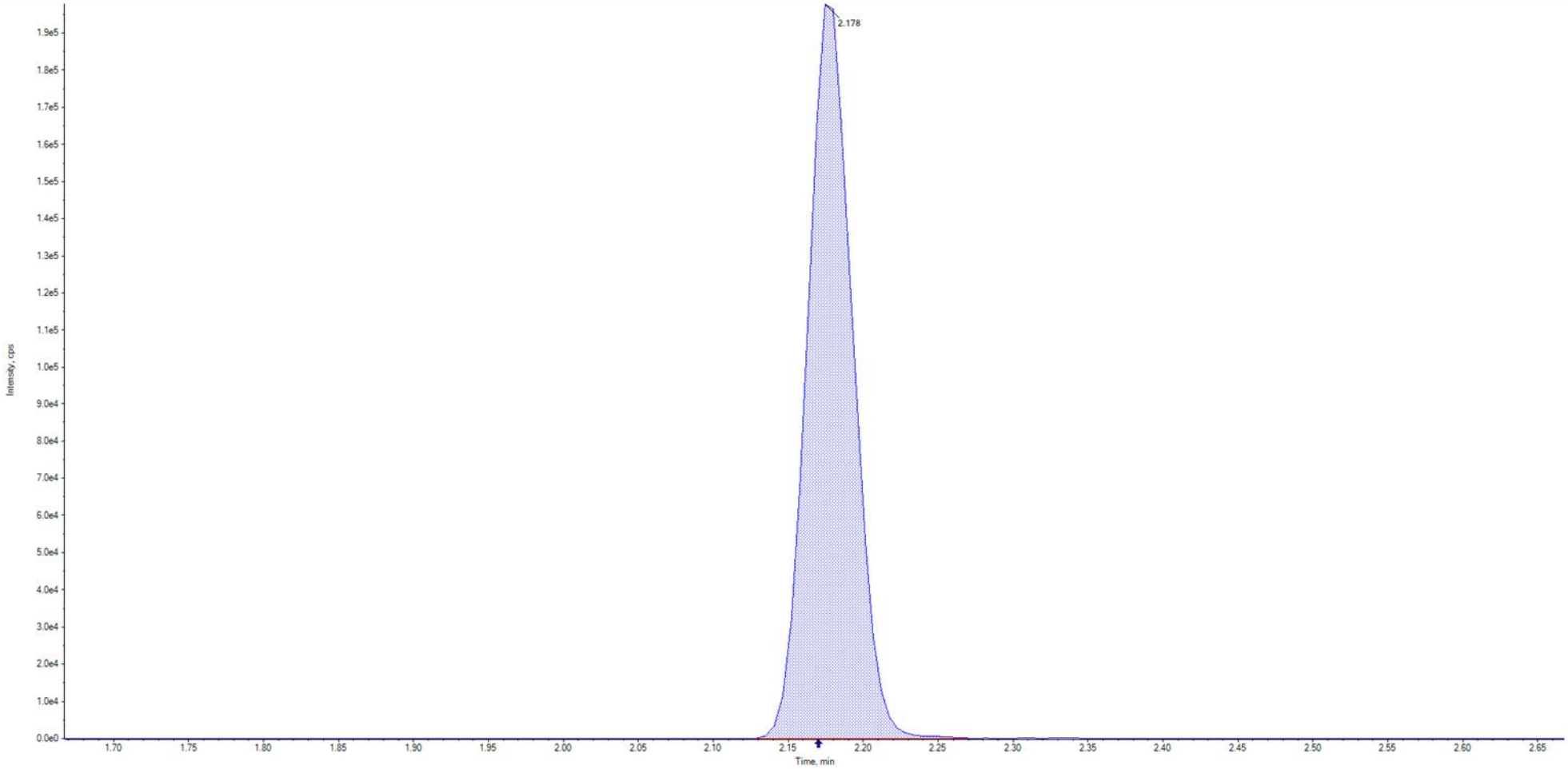
13C2-PFDoA
Sample: L2474358-02



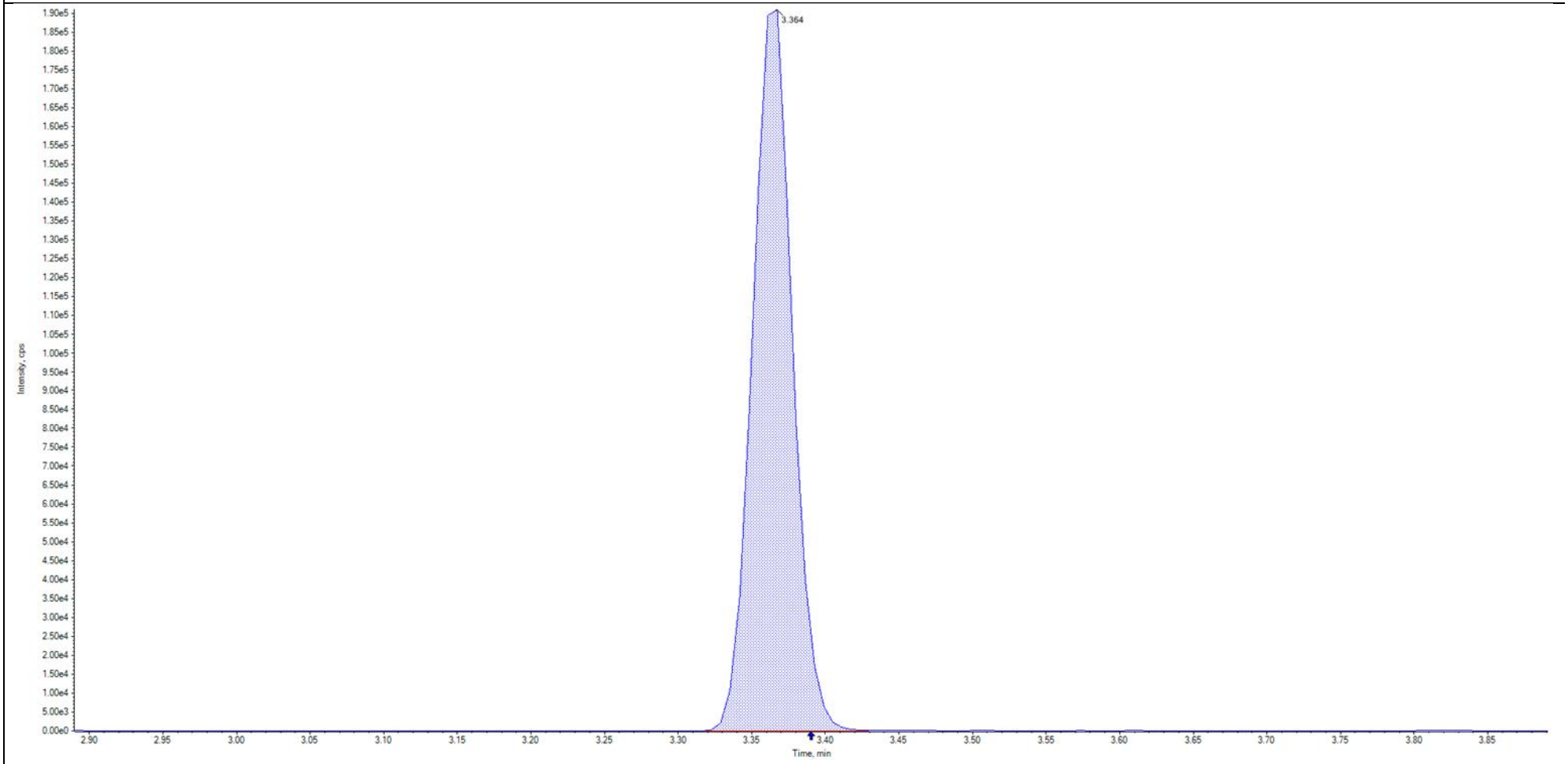
13C2-PFTeDA
Sample: L2474358-02



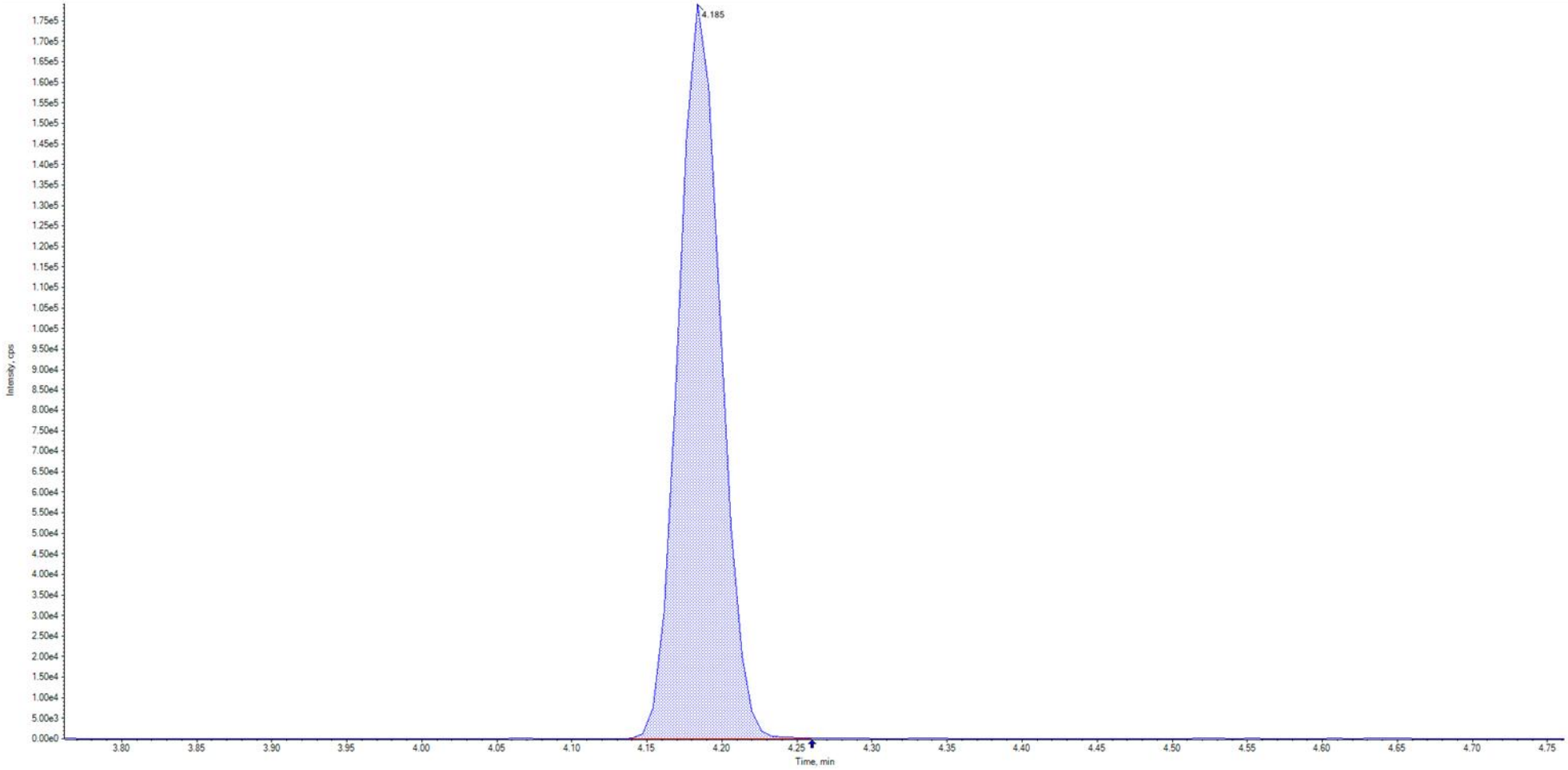
13C3-PFBS
Sample: L2474358-02



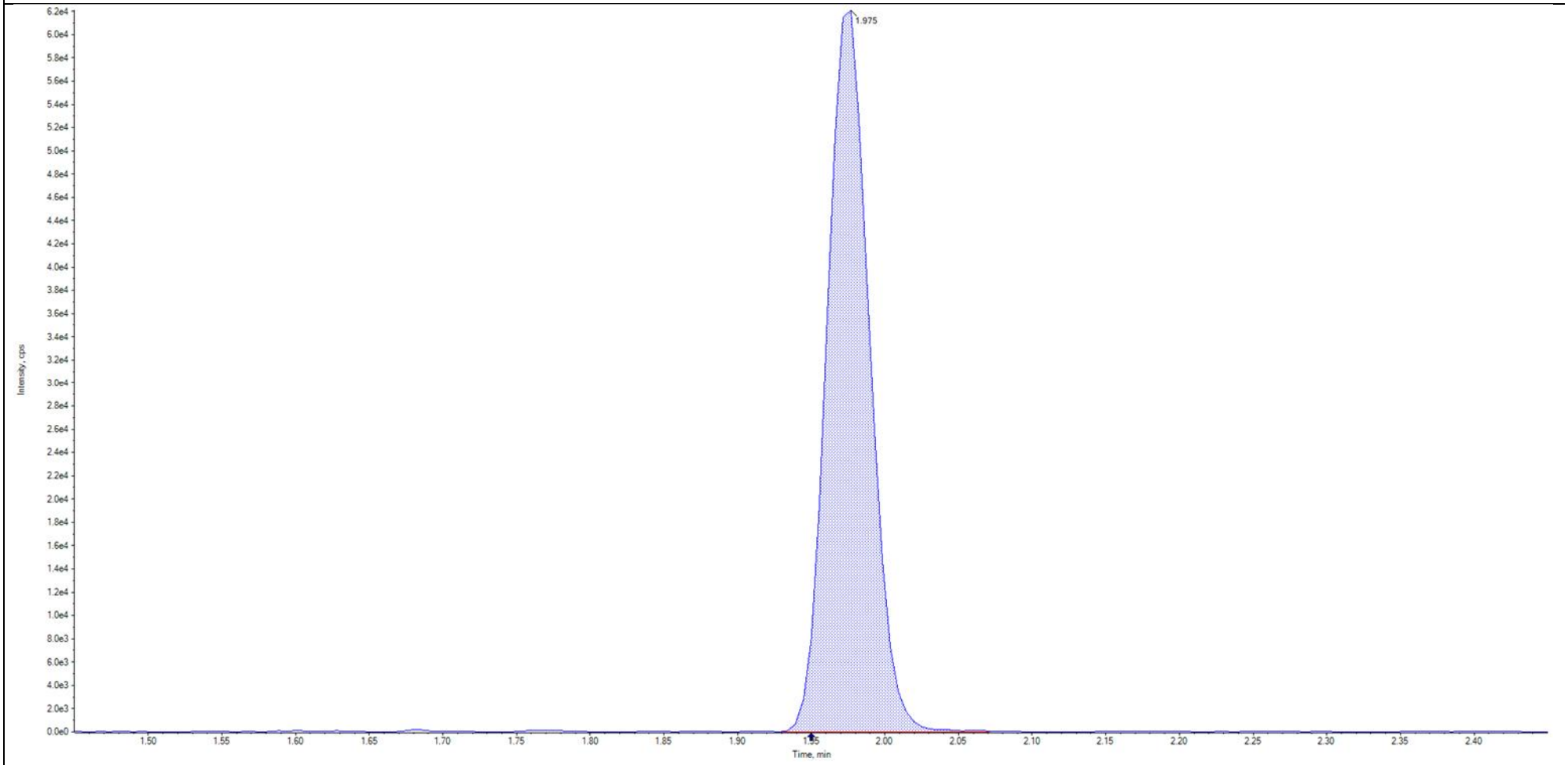
13C3-PFHxS
Sample: L2474358-02



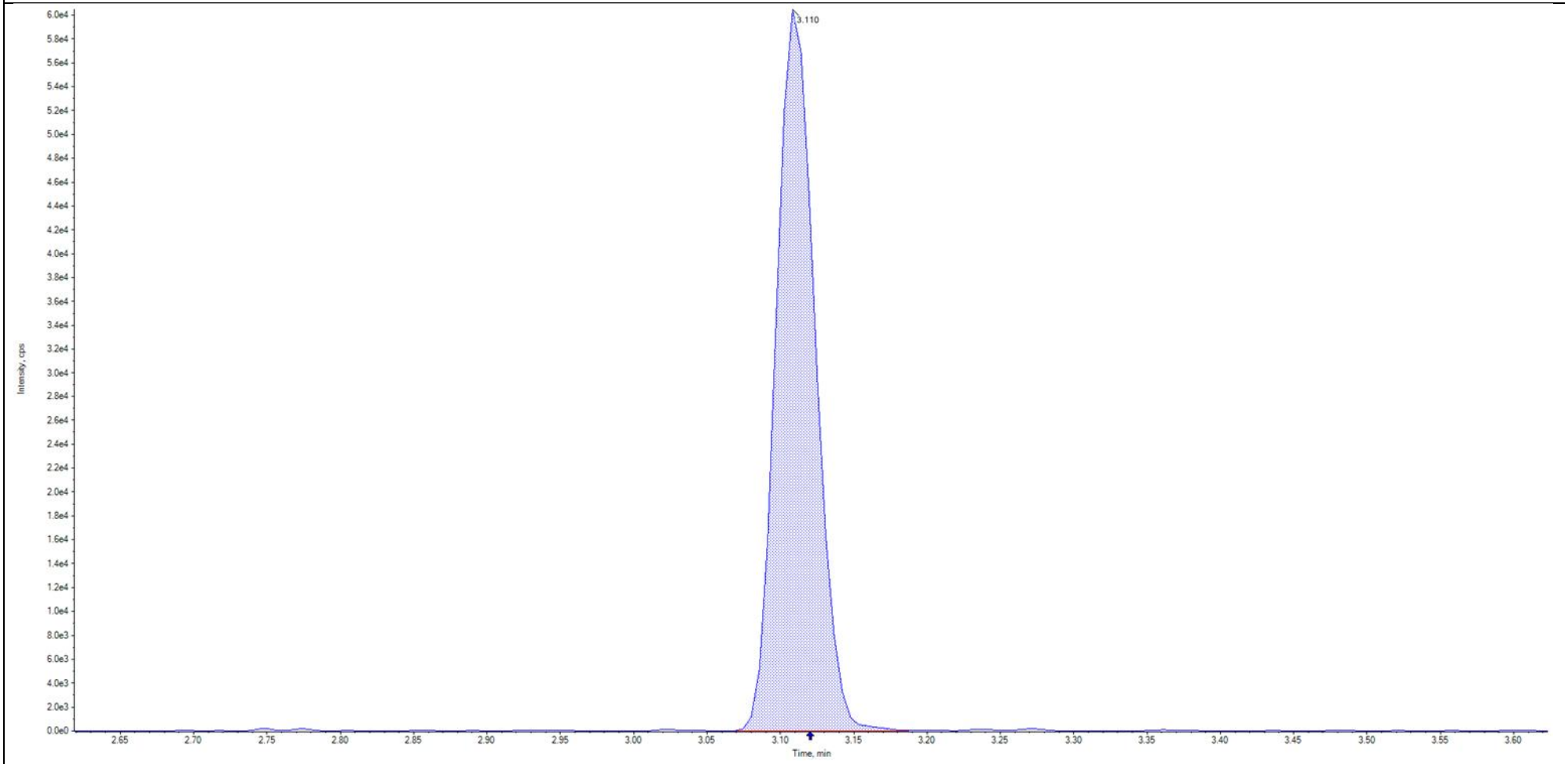
13C8-PFOS
Sample: L2474358-02



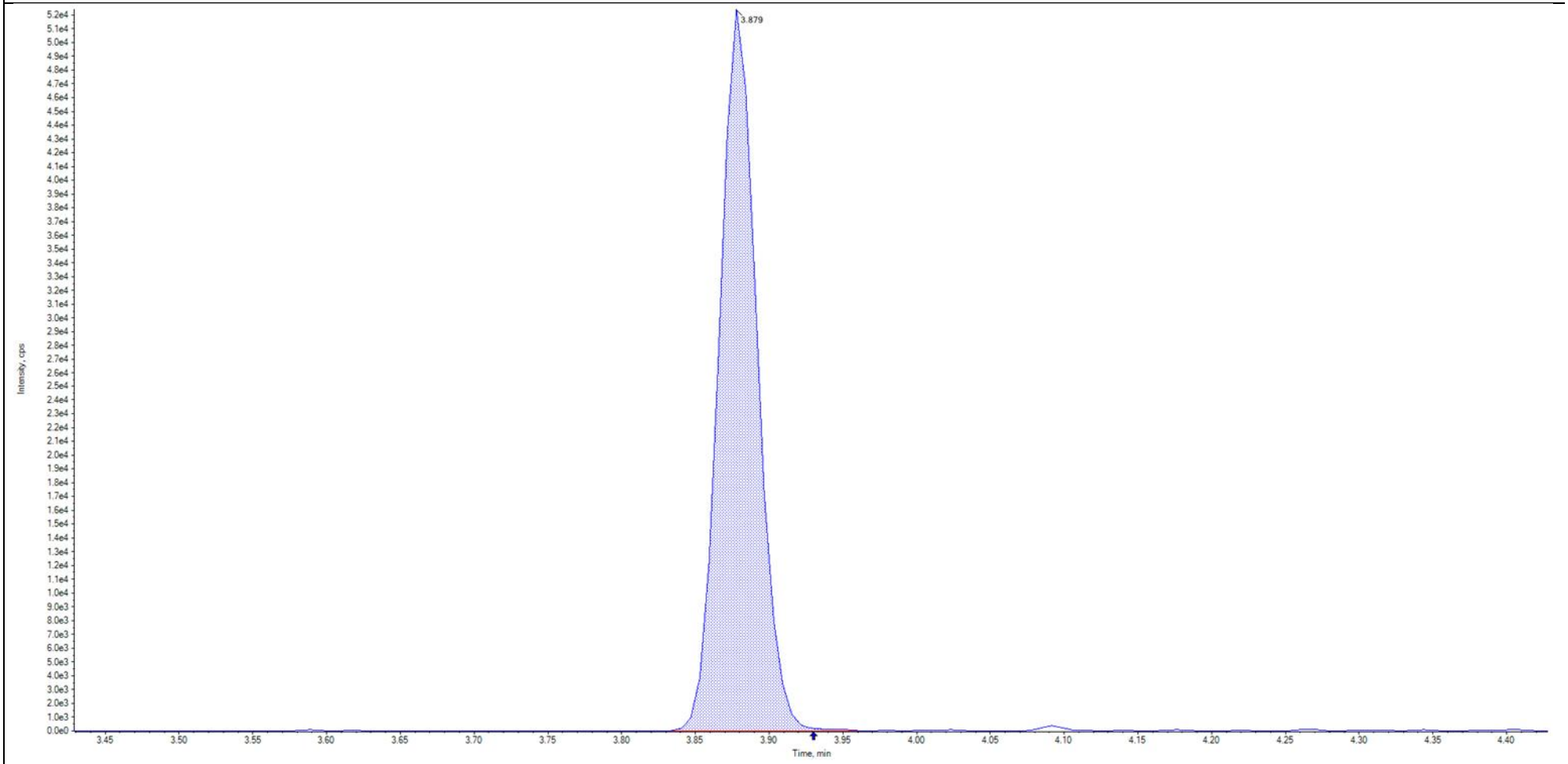
13C2-4:2FTS
Sample: L2474358-02



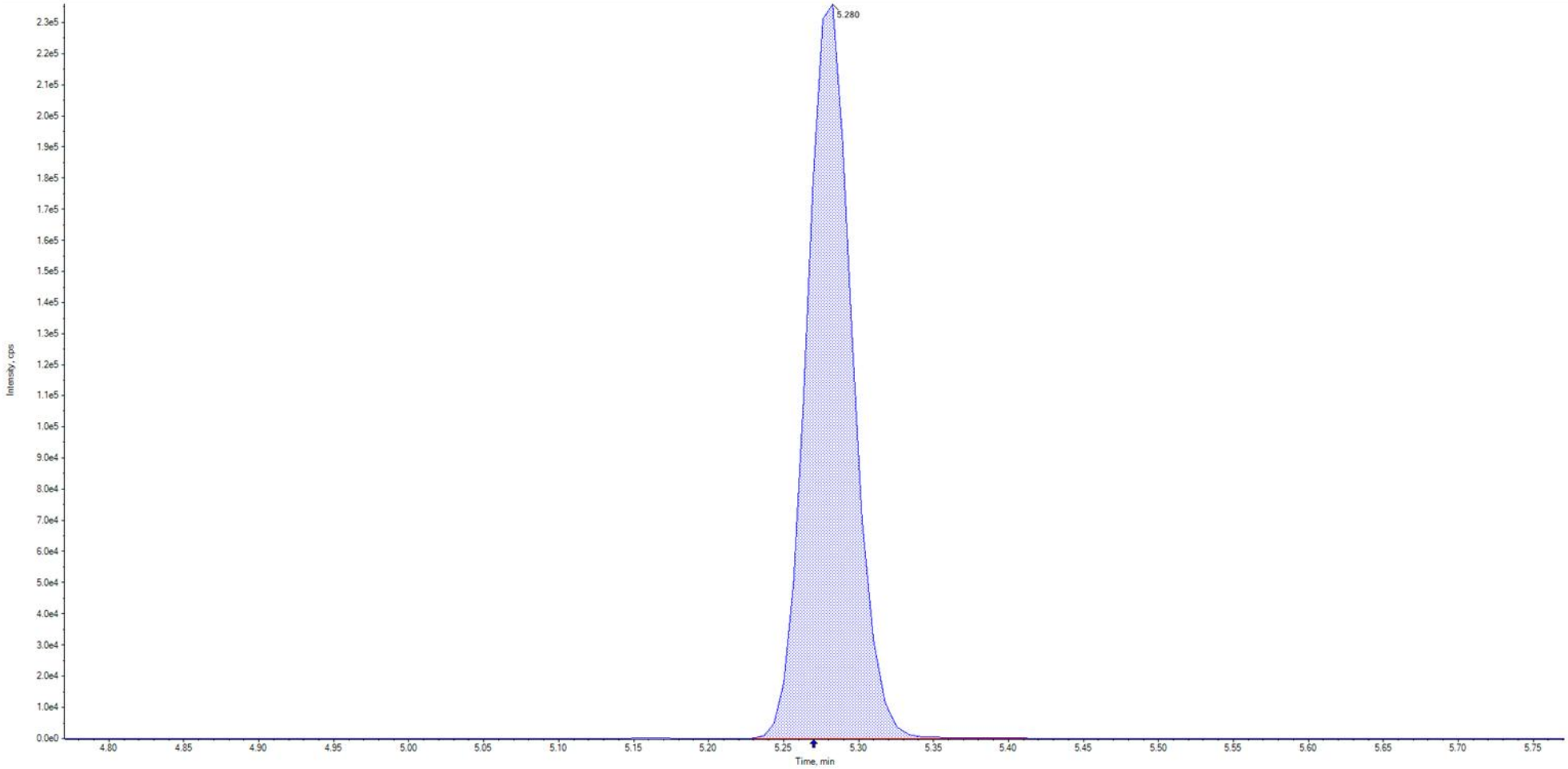
13C2-6:2FTS
Sample: L2474358-02



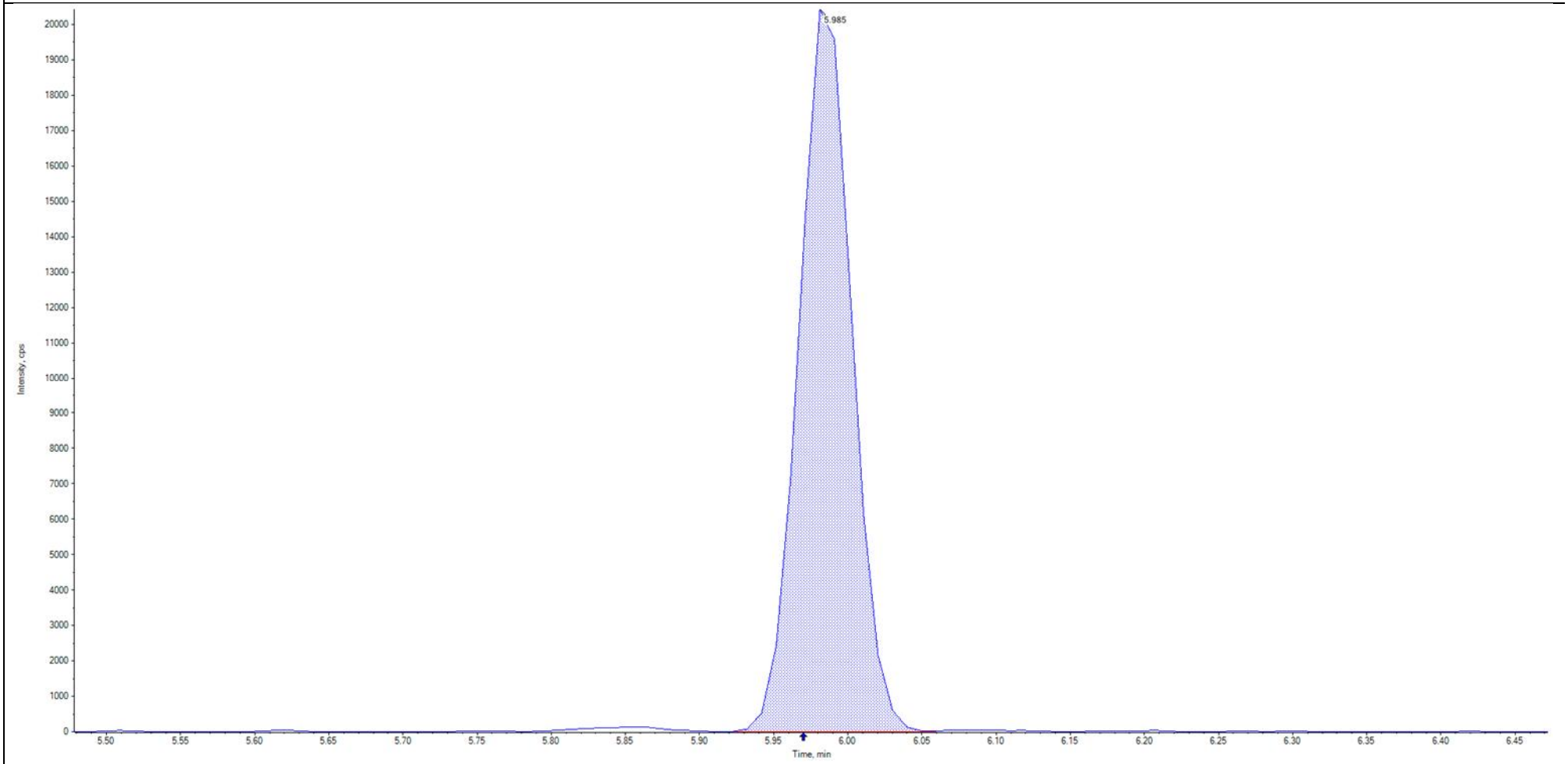
13C2-8:2FTS
Sample: L2474358-02



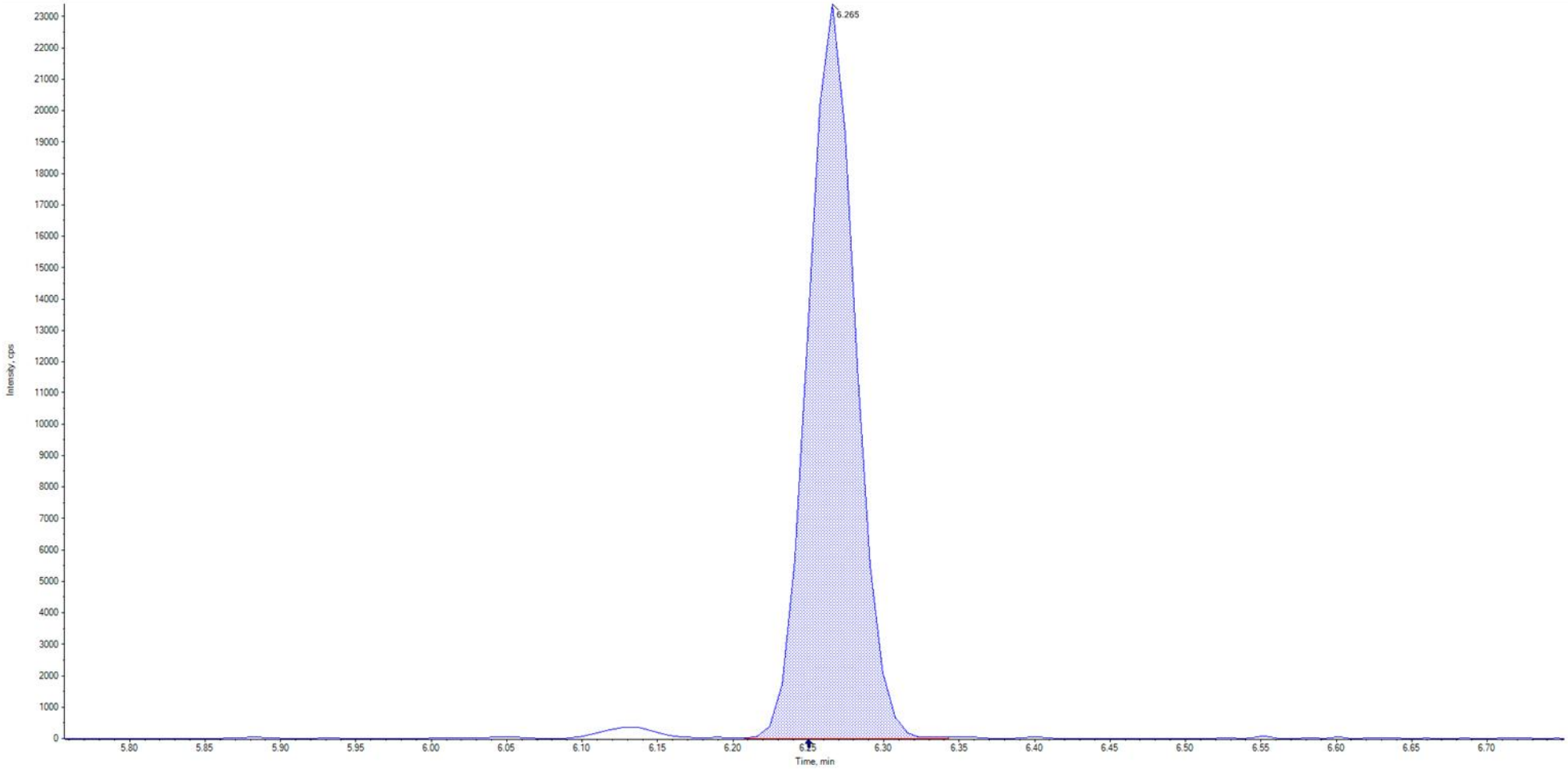
13C8-PFOSA
Sample: L2474358-02



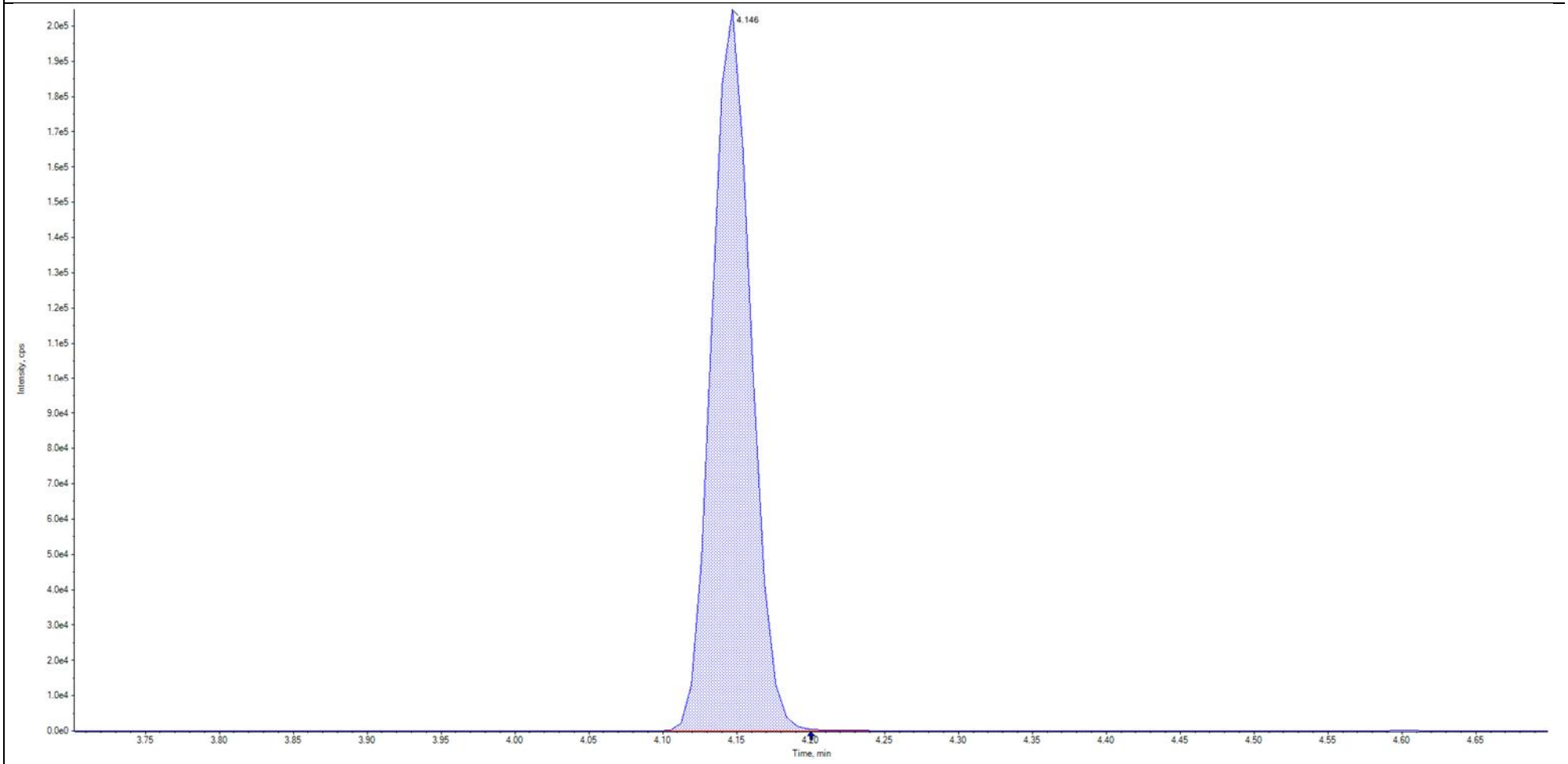
d3-NMeFOSA
Sample: L2474358-02



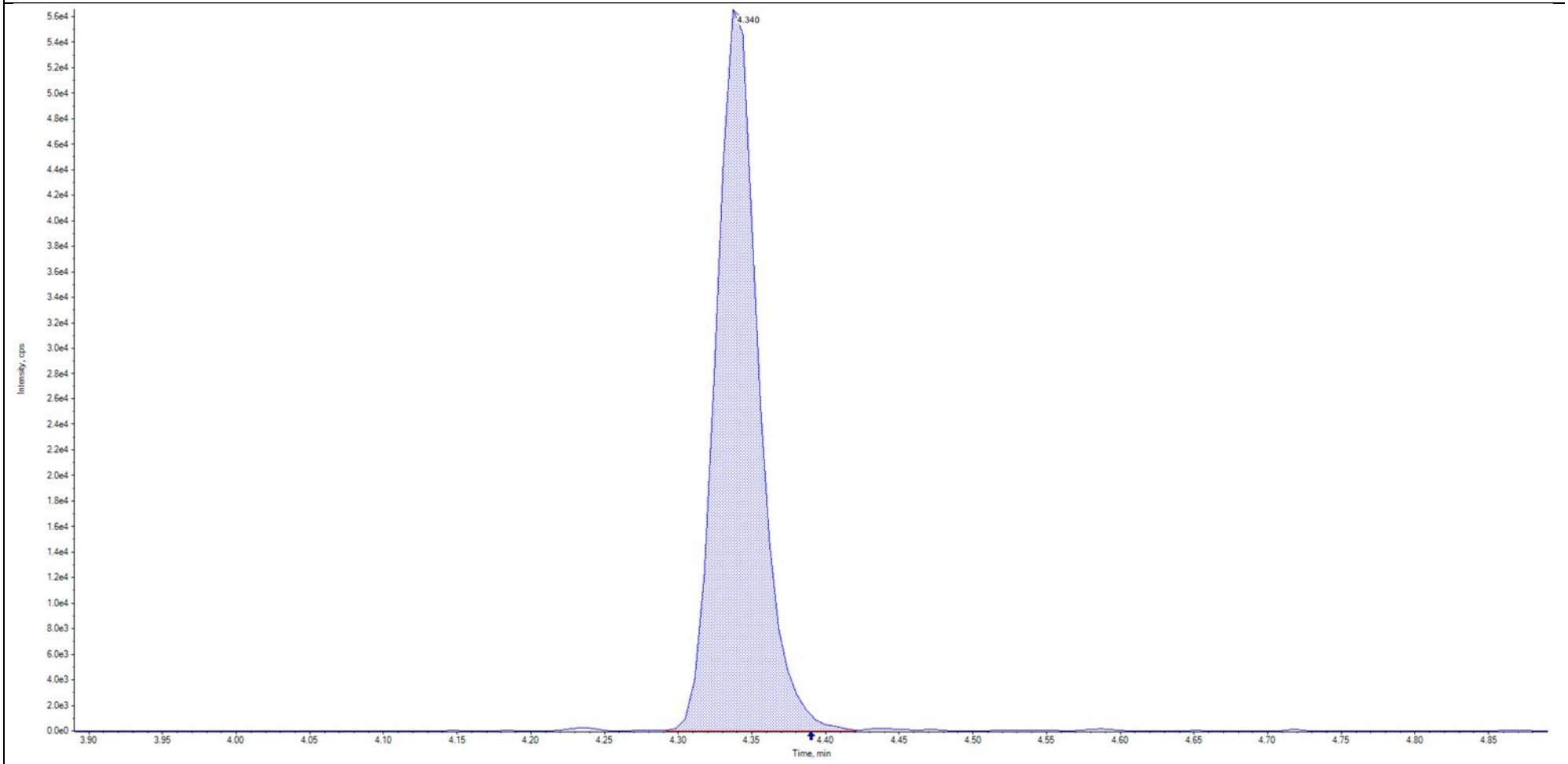
d5-NEtFOSA
Sample: L2474358-02



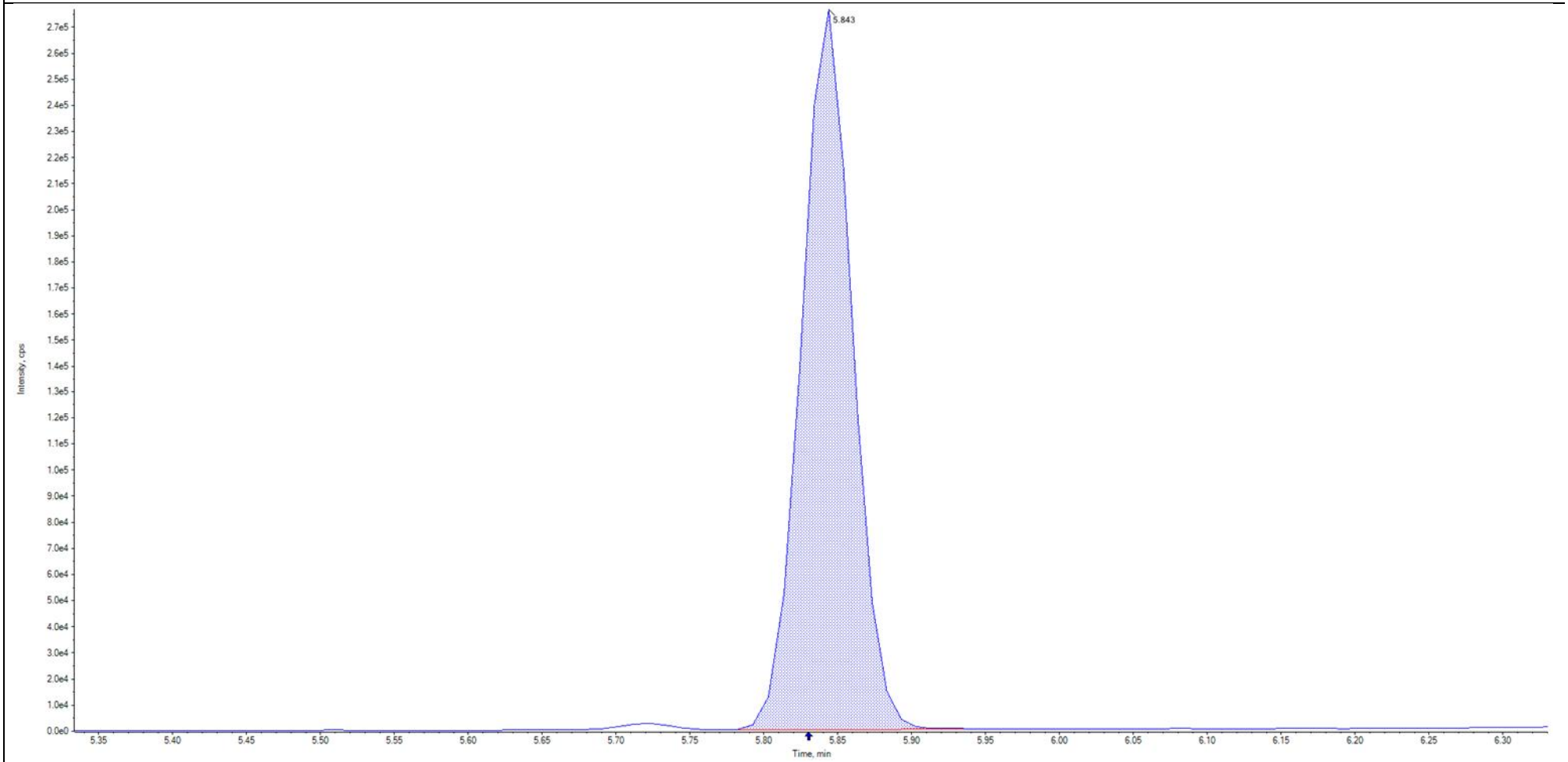
d3-NMeFOSAA
Sample: L2474358-02



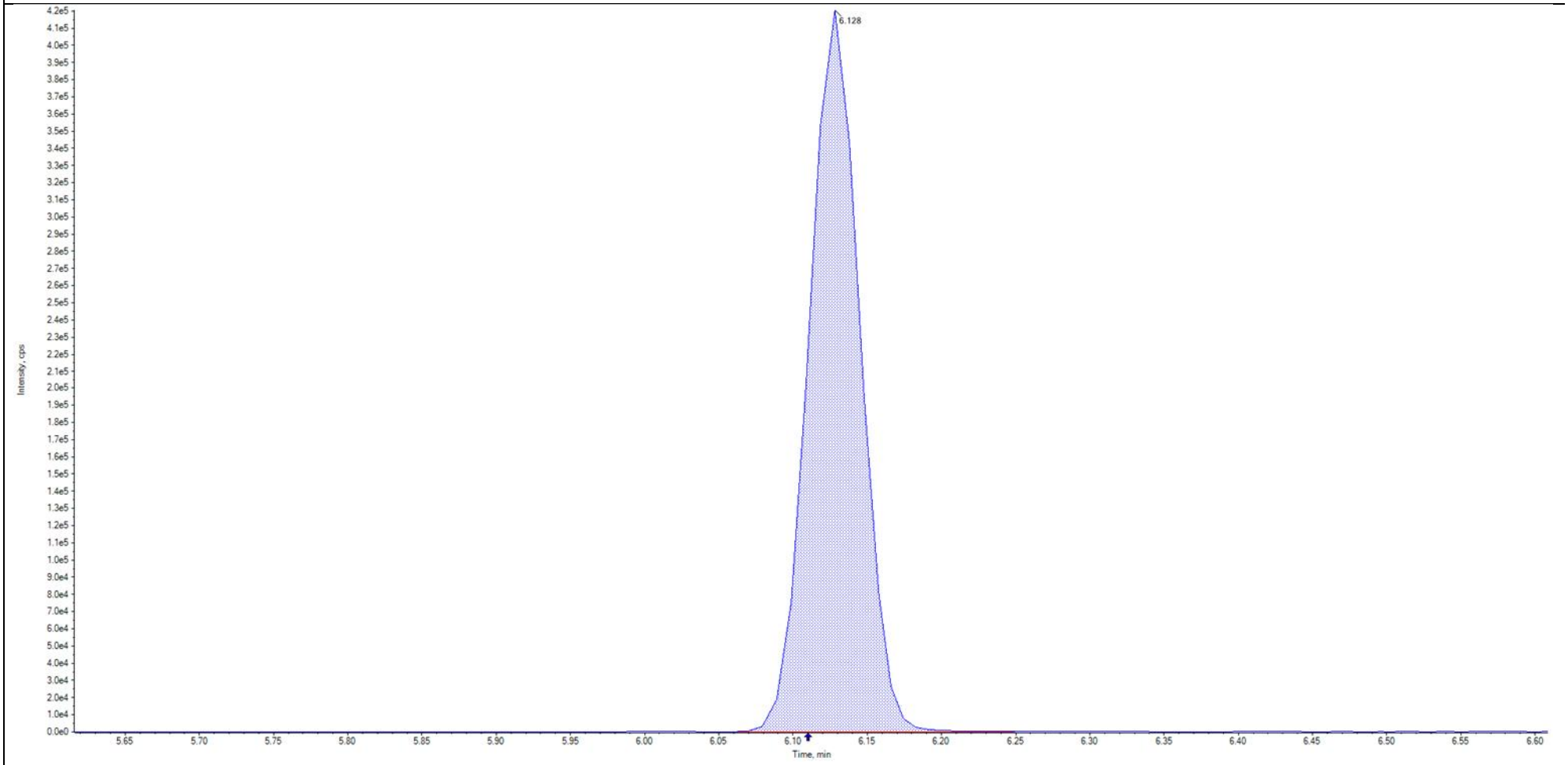
d5-NEtFOSAA
Sample: L2474358-02



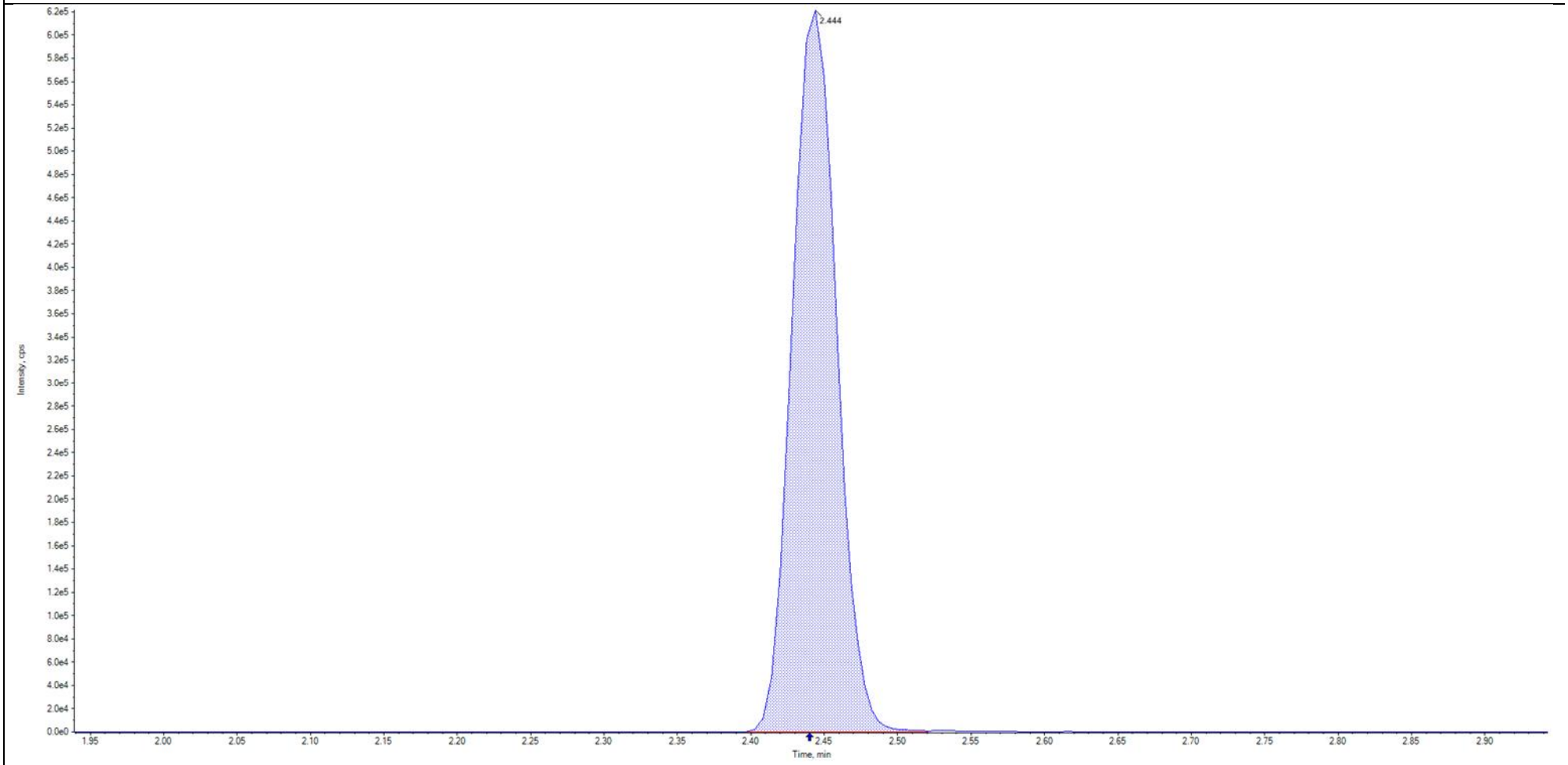
d7-NMeFOSE
Sample: L2474358-02



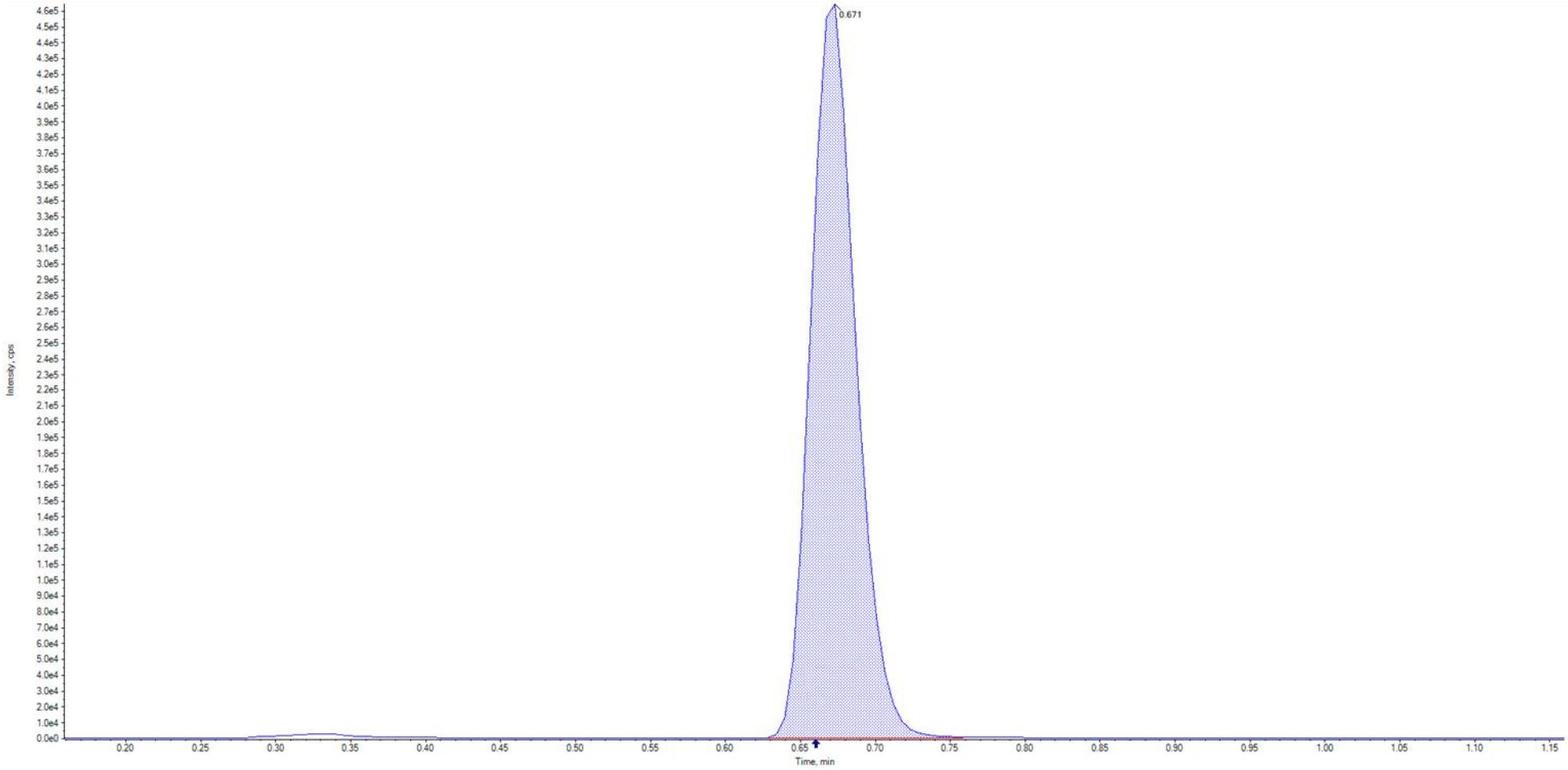
d9-NEtFOSE
Sample: L2474358-02



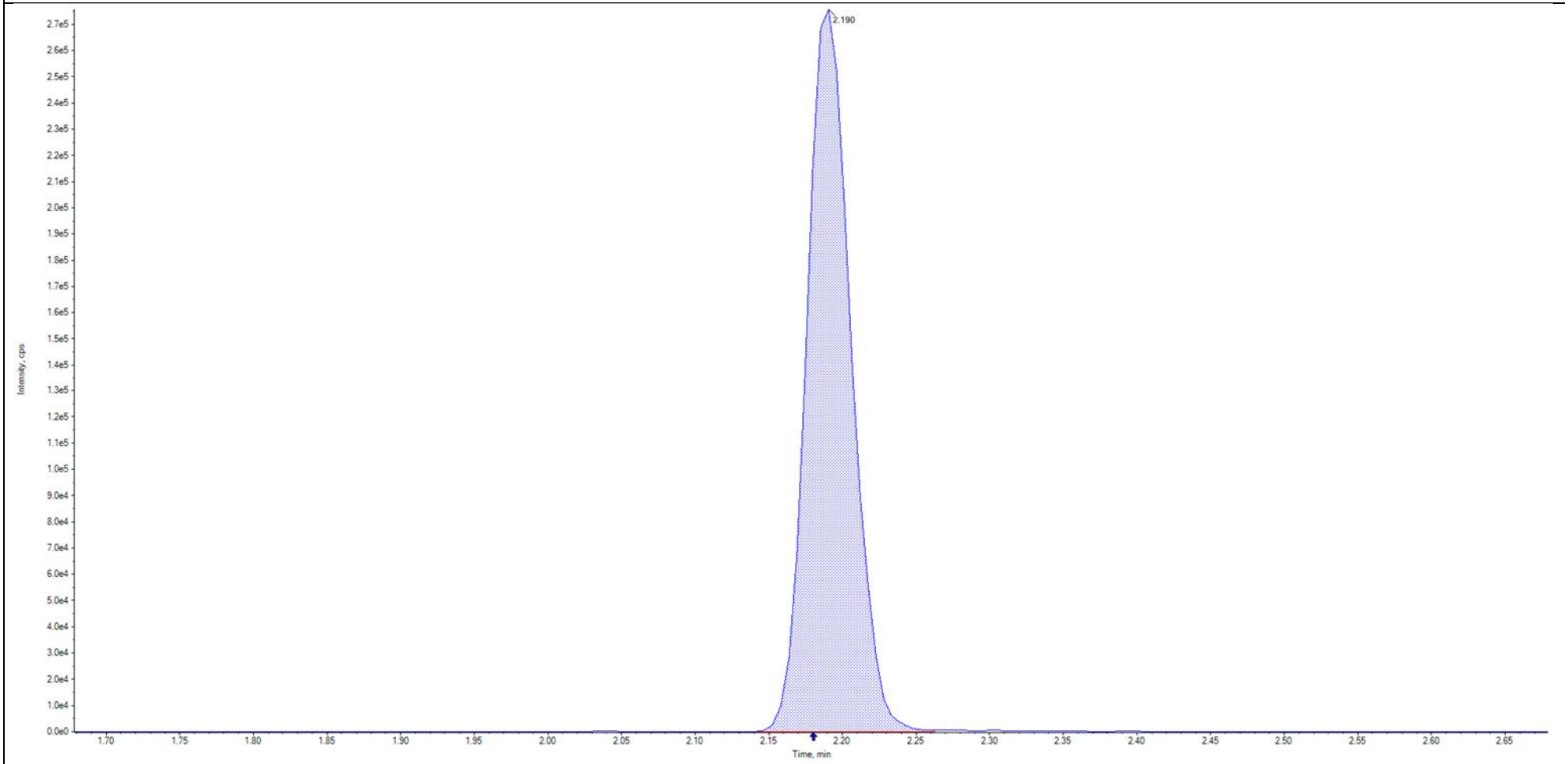
13C3-HFPO-DA
Sample: L2474358-02



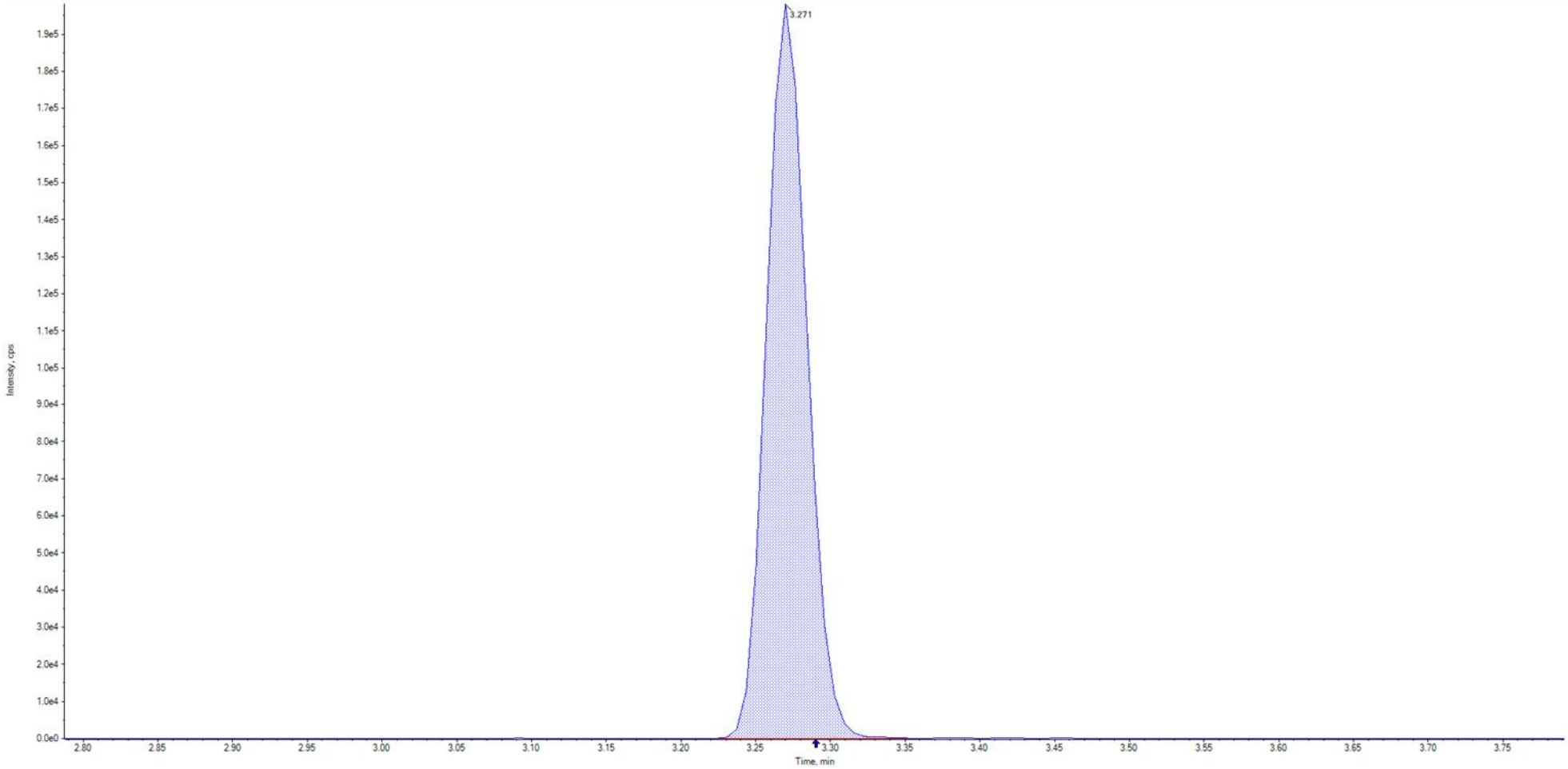
13C3-PFBA
Sample: L2474358-02



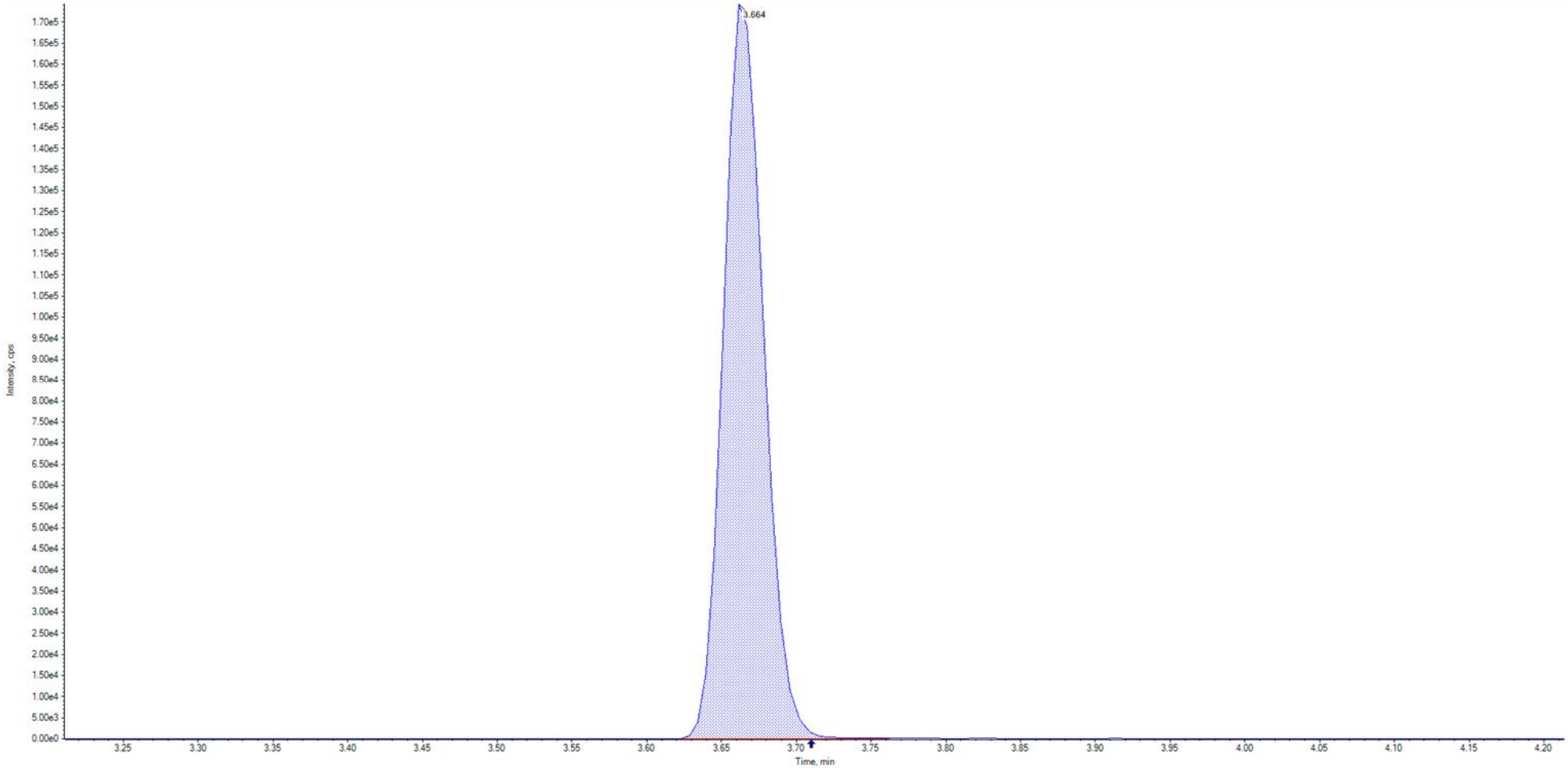
13C2-PFHxA
Sample: L2474358-02



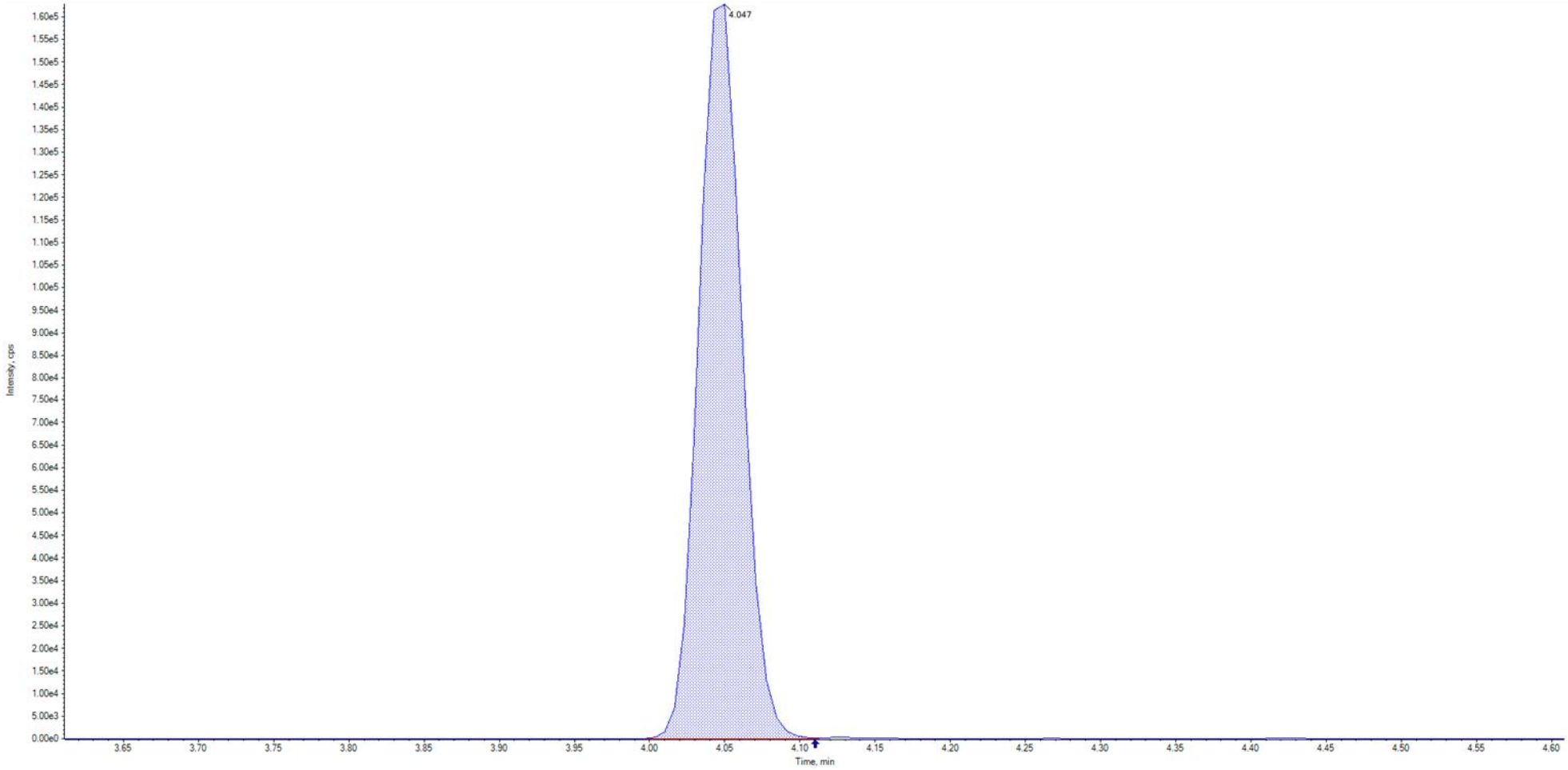
13C4-PFOA
Sample: L2474358-02



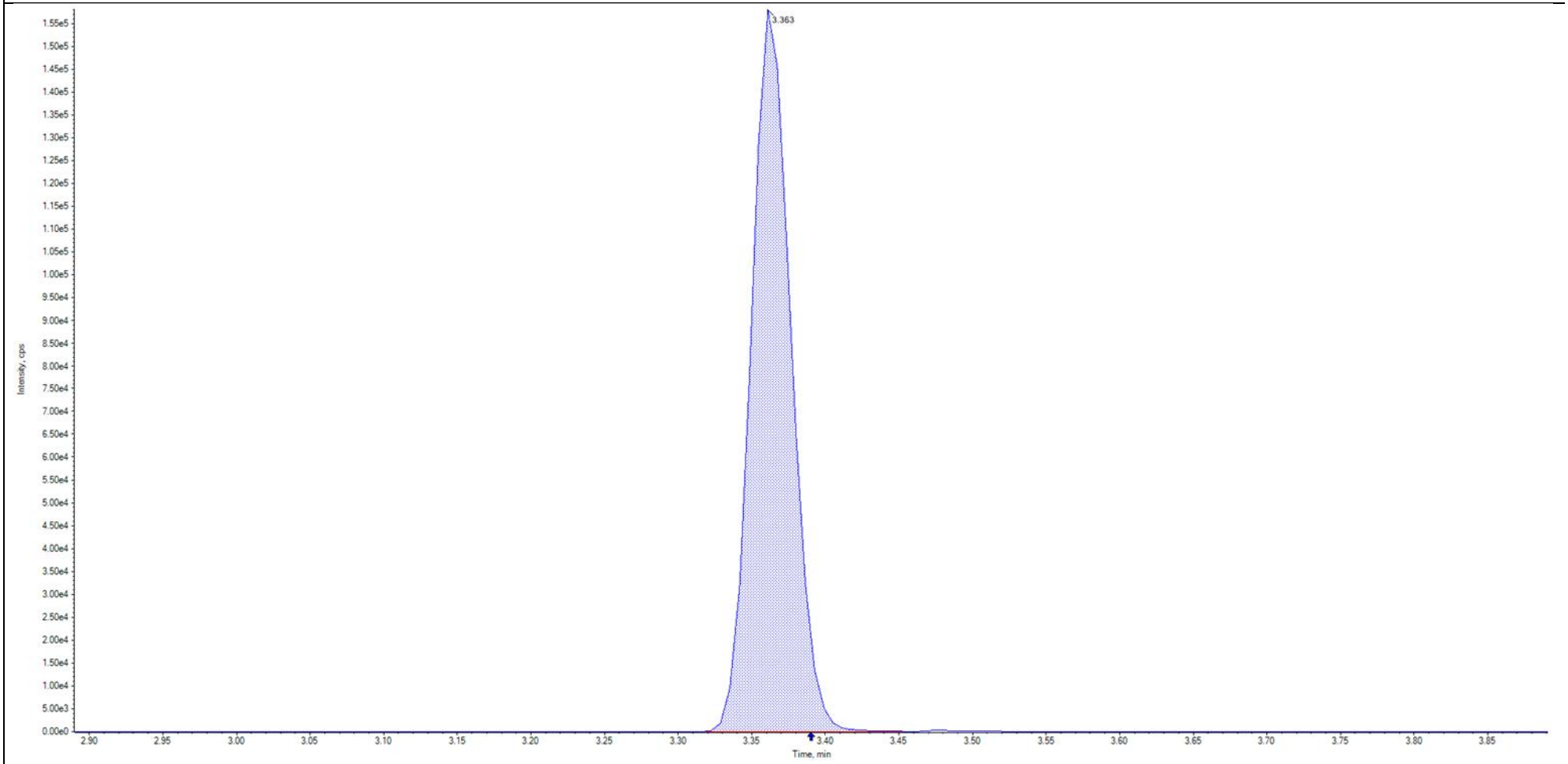
13C5-PFNA
Sample: L2474358-02



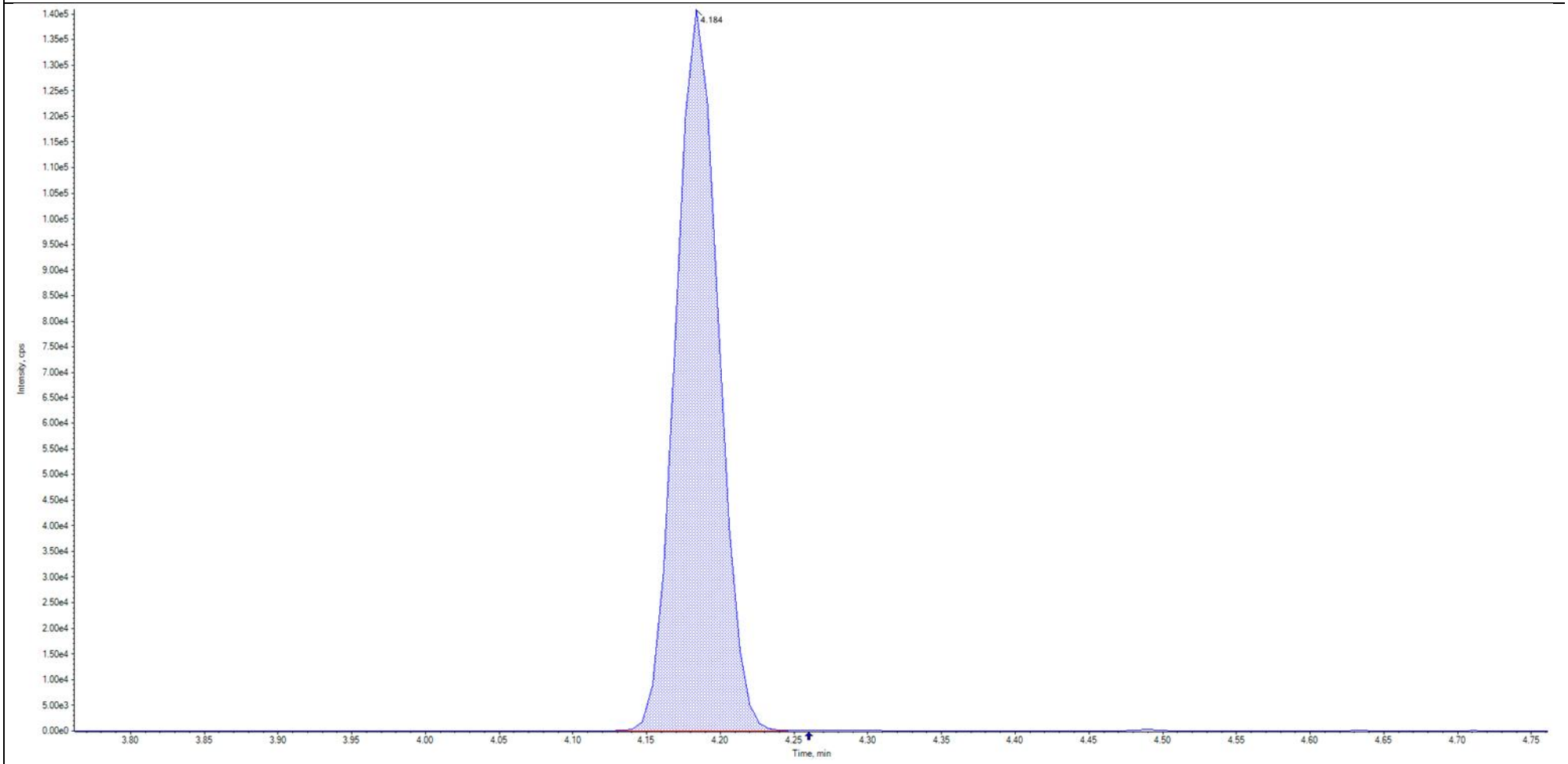
13C2-PFDA
Sample: L2474358-02



18O2-PFHxS
Sample: L2474358-02



13C4-PFOS
Sample: L2474358-02



Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_95.wiff2_4
Last Altered: 12/20/2024 2:21:21 AM
Generated: 12/19/2024 2:27:31 PM

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

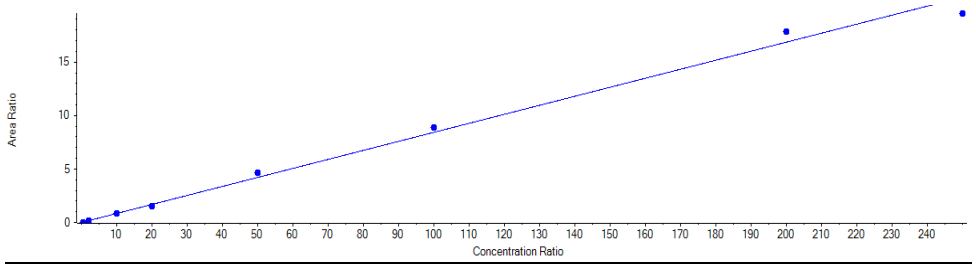
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFBA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	0.66	2509000	81142	0.383	95.9	0.808	357	True	1.42
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	0.66	2516000	411660	1.940	97.0	0.818	901	True	1.31
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	0.66	2575000	2188415	10.076	100.8	0.850	2224	True	1.41
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	0.64	2383000	3722140	18.522	92.6	0.781	2657	True	1.38
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	0.67	2199000	10162672	54.799	109.6	0.924	3633	True	1.60
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	0.65	2022000	18020772	105.670	105.7	0.891	5379	True	1.45
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	0.67	1765000	31505090	211.596	105.8	0.892	6556	True	1.26
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	0.66	1839000	35954203	231.790	92.7	0.782	5576	True	1.26

Analyte Name: PFBA
Regression Equation: Y = 0.843 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.005 Avg. RF = 0.843 RSD = 6.463 RSE = 6.463
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

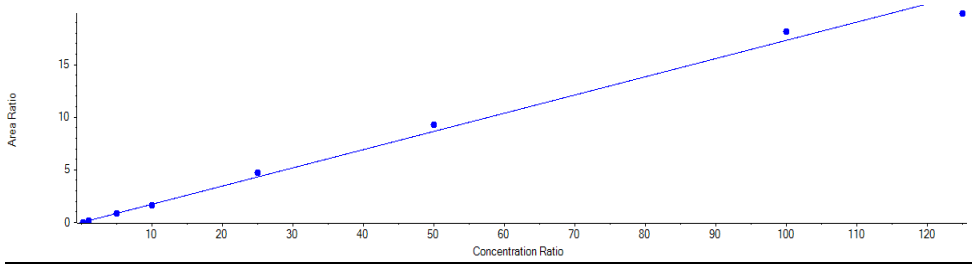
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFPeA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	1.34	1169000	38582	0.191	95.3	0.825	510	True	1.47
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	1.34	1175000	191196	0.940	94.0	0.814	2082	True	1.16
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	1.34	1157000	1030348	5.145	102.9	0.891	5572	True	1.17
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	1.32	1140000	1876017	9.501	95.0	0.822	6901	True	1.25
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	1.36	1072000	5078328	27.361	109.4	0.947	12323	True	1.34
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	1.33	1056000	9771493	53.438	106.9	0.925	14738	True	1.21
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	1.35	958800	17379895	104.700	104.7	0.906	22140	True	1.31
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	1.33	1011000	20075280	114.724	91.8	0.795	20960	True	1.30

Analyte Name: PFPeA
Regression Equation: Y = 0.866 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.012 Avg. RF = 0.866 RSD = 6.734 RSE = 6.734
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

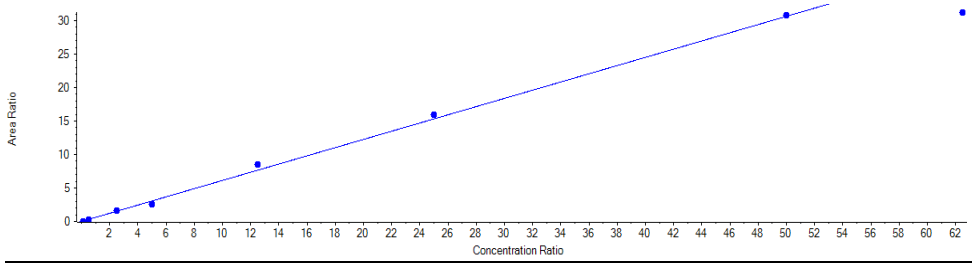
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFHxA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	2.17	498300	32045	0.105	104.9	1.608	368	True	1.61
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	2.17	466500	151498	0.530	106.0	1.624	1754	True	1.27
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	2.17	472200	786636	2.717	108.7	1.666	4208	True	0.93
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	2.16	458800	1150958	4.092	81.9	1.254	5235	True	1.03
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	2.18	458600	3935321	14.000	112.0	1.716	9898	True	1.23
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	2.16	461800	7393103	26.118	104.5	1.601	19340	True	0.96
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	2.18	448200	13824322	50.314	100.6	1.542	15604	True	1.01
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	2.17	487400	15217825	50.933	81.5	1.249	11603	True	1.13

Analyte Name: PFHxA
Regression Equation: Y = 1.533 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.072 Avg. RF = 1.533 RSD = 11.782 RSE = 11.782
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

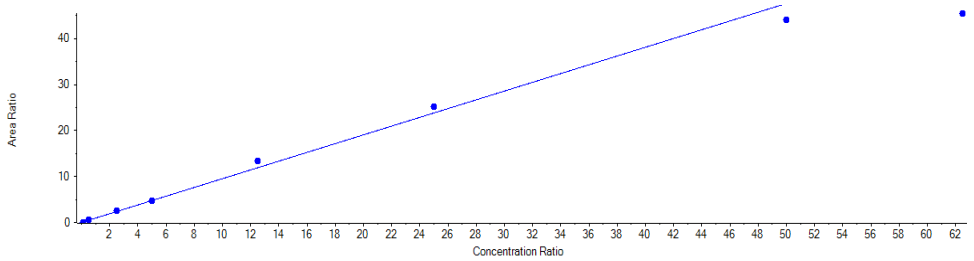
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFHpA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	2.82	303400	29491	0.102	102.0	2.430	327	True	1.40
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	2.83	297200	153379	0.542	108.4	2.581	1416	True	1.10
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	2.83	330300	823094	2.616	104.6	2.492	6524	True	1.11
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	2.82	311300	1464760	4.939	98.8	2.353	6203	True	1.17
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	2.84	312000	4152383	13.971	111.8	2.662	7211	True	1.50
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	2.82	320100	8059448	26.427	105.7	2.518	13896	True	1.37
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	2.84	336400	14801197	46.187	92.4	2.200	11370	True	1.49
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	2.83	363400	16513667	47.703	76.3	1.818	13448	True	1.03

Analyte Name: PFHpA
Regression Equation: Y = 2.382 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.107 Avg. RF = 2.382 RSD = 11.255 RSE = 11.255
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

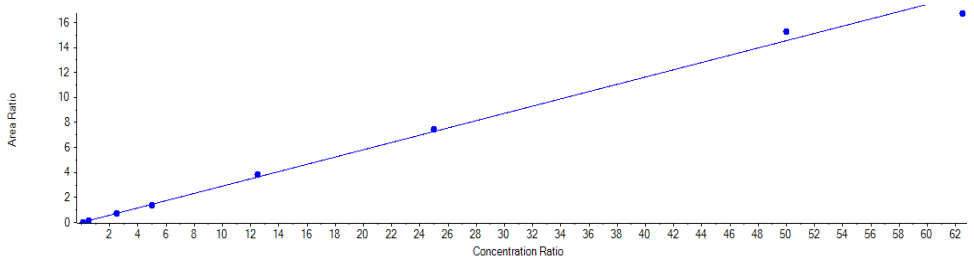
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFOA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	3.28	1122000	35449	0.109	108.6	0.790	113	True	0.17
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	3.29	1107000	149029	0.463	92.5	0.673	292	True	0.23
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	3.29	1141000	829959	2.500	100.0	0.727	558	True	0.21
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	3.28	1104000	1502126	4.678	93.6	0.681	700	True	0.18
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	3.30	1096000	4206037	13.194	105.6	0.768	919	True	0.19
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	3.28	1106000	8286077	25.745	103.0	0.749	859	True	0.18
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	3.30	1019000	15551212	52.451	104.9	0.763	1059	True	0.21
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	3.29	1065000	17808114	57.470	92.0	0.669	931	True	0.18

Analyte Name: PFOA
Regression Equation: Y = 0.727 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.019 Avg. RF = 0.727 RSD = 6.537 RSE = 6.537
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

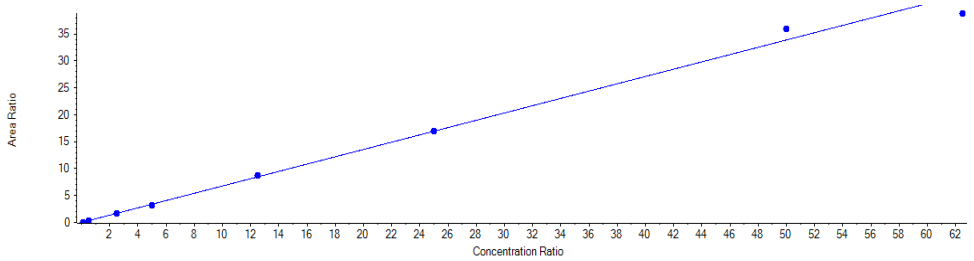
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFNA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	3.70	445800	33037	0.109	109.4	0.926	118	True	0.17
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	3.70	428500	144820	0.499	99.8	0.845	322	True	0.25
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	3.70	472900	760639	2.374	95.0	0.804	702	True	0.24
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	3.69	423600	1353174	4.715	94.3	0.799	868	True	0.23
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	3.72	432000	3800376	12.985	103.9	0.880	1049	True	0.27
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	3.70	442900	7511417	25.032	100.1	0.848	1114	True	0.28
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	3.72	385900	13850342	52.980	106.0	0.897	1083	True	0.25
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	3.70	410600	15926557	57.255	91.6	0.776	1108	True	0.26

Analyte Name: PFNA
Regression Equation: Y = 0.847 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.042 Avg. RF = 0.847 RSD = 6.179 RSE = 6.179
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

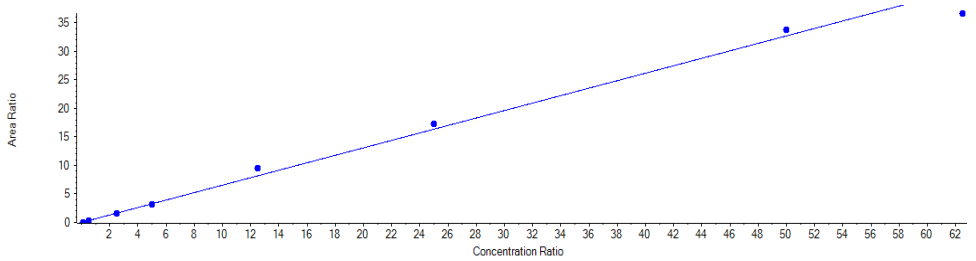
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFDA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	4.10	435400	26778	0.094	94.0	0.769	251	True	0.96
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	4.11	443700	141511	0.487	97.5	0.797	1445	True	1.12
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	4.10	466700	754031	2.468	98.7	0.808	6592	True	1.09
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	4.09	440900	1379816	4.781	95.6	0.782	13843	True	1.32
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	4.12	406300	3842617	14.450	115.6	0.946	11355	True	1.25
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	4.10	403300	6977600	26.432	105.7	0.865	16898	True	0.92
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	4.12	373600	12632641	51.656	103.3	0.845	47375	True	0.97
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	4.11	430100	15768448	56.004	89.6	0.733	23310	True	1.29

Analyte Name: PFDA
Regression Equation: Y = 0.818 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.053 Avg. RF = 0.818 RSD = 8.098 RSE = 8.098
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

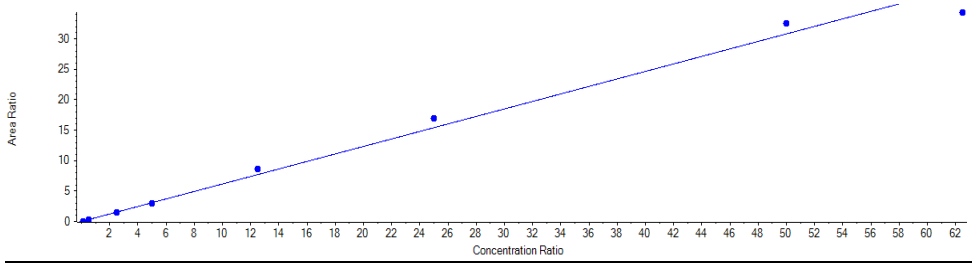
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFUnA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	4.50	399700	22920	0.093	93.0	0.717	280	True	1.30
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	4.50	405800	119080	0.476	95.2	0.734	1361	True	1.28
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	4.50	396200	594204	2.433	97.3	0.750	6946	True	1.36
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	4.49	352000	1071452	4.938	98.8	0.761	6040	True	0.93
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	4.51	380100	3259926	13.913	111.3	0.858	9177	True	1.29
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	4.50	347300	5869750	27.415	109.7	0.845	32732	True	1.15
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	4.51	317400	10335511	52.817	105.6	0.814	16780	True	1.28
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	4.50	338700	11630237	55.698	89.1	0.687	21385	True	0.86

Analyte Name: PFUnA
Regression Equation: Y = 0.771 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.050 Avg. RF = 0.771 RSD = 8.034 RSE = 8.034
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

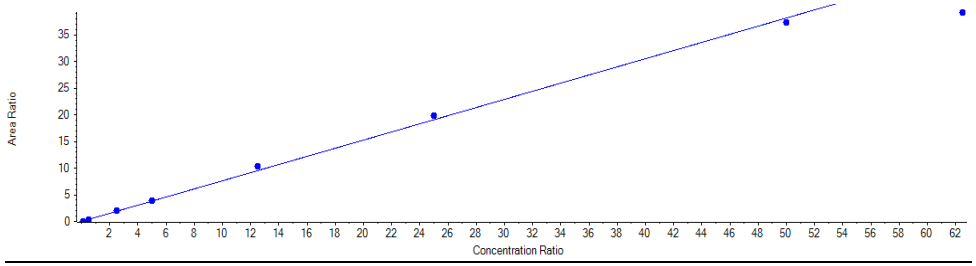
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFDoA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	4.89	313100	24620	0.103	103.0	0.983	313	True	1.12
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	4.89	310500	115030	0.485	97.0	0.926	1484	True	1.11
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	4.89	304600	614697	2.643	105.7	1.009	4887	True	1.15
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	4.88	285100	1112401	5.110	102.2	0.975	14326	True	1.31
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	4.90	312000	3220901	13.521	108.2	1.032	12507	True	0.89
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	4.89	305600	6052061	25.936	103.7	0.990	13401	True	1.03
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	4.90	291000	10887259	48.998	98.0	0.935	14984	True	0.97
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	4.89	319900	12540666	51.350	82.2	0.784	161836	True	1.14

Analyte Name: PFDoA
Regression Equation: Y = 0.954 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.062 Avg. RF = 0.954 RSD = 8.091 RSE = 8.091
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

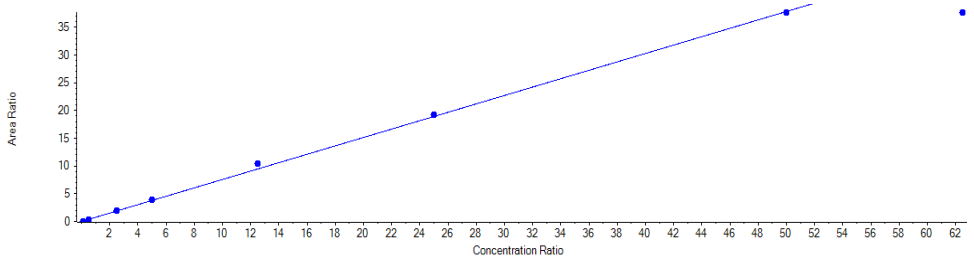
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFTrDA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	5.27	313100	23914	0.101	100.9	0.955	452	True	1.38
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	5.27	310500	114101	0.485	97.1	0.919	1802	True	0.92
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	5.27	304600	619815	2.688	107.5	1.017	2977	True	1.26
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	5.26	285100	1123830	5.206	104.1	0.985	3760	True	1.38
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	5.28	312000	3240288	13.717	109.7	1.039	5296	True	1.08
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	5.27	305600	5881961	25.420	101.7	0.962	7666	True	1.04
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	5.28	291000	10963889	49.759	99.5	0.942	10311	True	1.24
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	5.27	319900	12033694	49.691	79.5	0.752	9690	True	1.34

Analyte Name: PFTrDA
Regression Equation: Y = 0.946 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.070 Avg. RF = 0.946 RSD = 9.263 RSE = 9.263
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

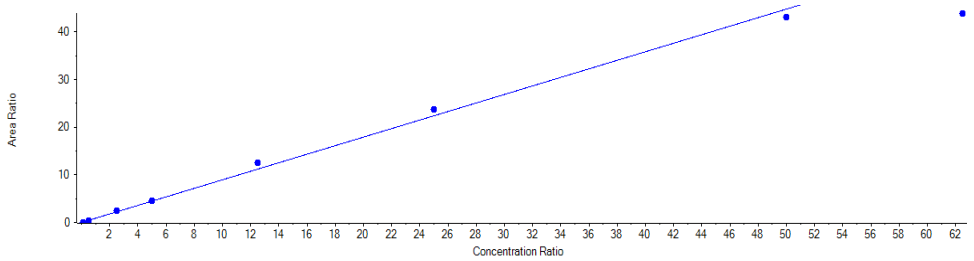
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFTeDA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	5.65	287700	25328	0.098	98.3	1.100	149	True	1.18
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	5.65	270900	119839	0.494	98.8	1.106	812	True	1.35
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	5.65	271800	652233	2.679	107.2	1.200	1689	True	1.29
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	5.64	253200	1169038	5.154	103.1	1.154	2378	True	1.18
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	5.66	264600	3323923	14.019	112.2	1.256	4574	True	1.09
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	5.65	275000	6523121	26.477	105.9	1.186	4431	True	0.94
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	5.66	263800	11385794	48.180	96.4	1.079	6528	True	1.04
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	5.65	298300	13084710	48.965	78.3	0.877	5739	True	1.39

Analyte Name: PFTeDA
Regression Equation: Y = 1.120 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.091 Avg. RF = 1.120 RSD = 10.212 RSE = 10.212
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

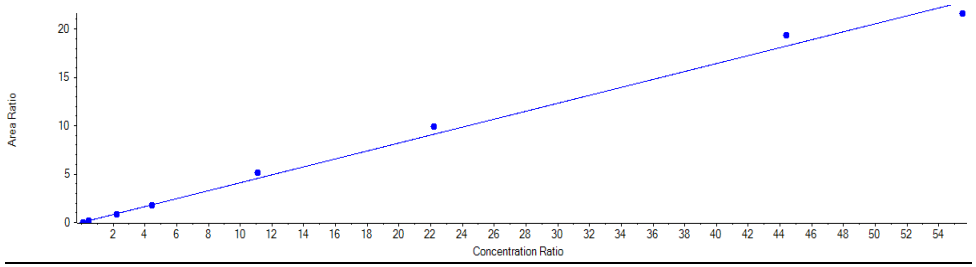
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFBS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	2.16	475800	15509	0.079	89.1	0.853	173	True	0.94
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	2.16	477600	80859	0.412	92.8	0.888	822	True	0.98
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	2.16	498100	439257	2.146	96.7	0.926	2682	True	1.11
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	2.15	441900	790436	4.354	98.1	0.939	3805	True	1.15
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	2.17	430400	2223386	12.575	113.3	1.084	7671	True	1.27
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	2.15	419200	4175695	24.246	109.2	1.045	10906	True	1.09
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	2.17	393600	7612177	47.070	106.0	1.015	16324	True	1.02
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	2.16	416800	9006376	52.595	94.8	0.907	15651	True	1.16

Analyte Name: PFBS
Regression Equation: Y = 0.957 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.035 Avg. RF = 0.957 RSD = 8.529 RSE = 8.529
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

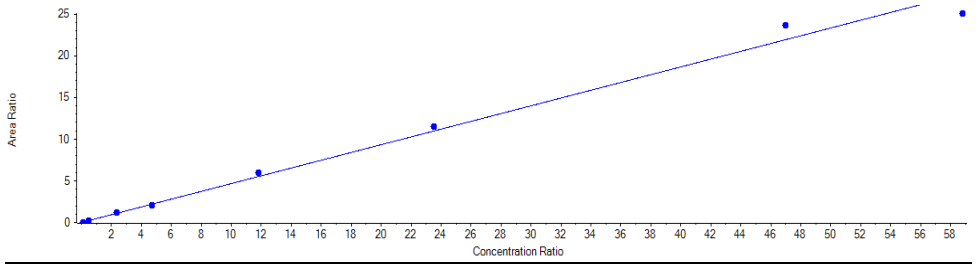
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFPeS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	2.88	408400	16411	0.086	91.6	1.013	174	True	1.51
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	2.88	409100	87081	0.456	97.0	1.073	896	True	1.20
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	2.89	389100	456711	2.514	107.0	1.184	3711	True	1.29
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	2.87	386800	783828	4.339	92.3	1.022	4611	True	1.20
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	2.89	390800	2332904	12.783	108.3	1.199	23434	True	1.61
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	2.88	394200	4530718	24.615	104.8	1.159	9441	True	1.37
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	2.89	360900	8532945	50.637	107.7	1.192	13701	True	1.03
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	2.89	389900	9780856	53.721	91.4	1.011	95734	True	1.08

Analyte Name: PFPeS
Regression Equation: Y = 1.107 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.036 Avg. RF = 1.107 RSD = 7.692 RSE = 7.692
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

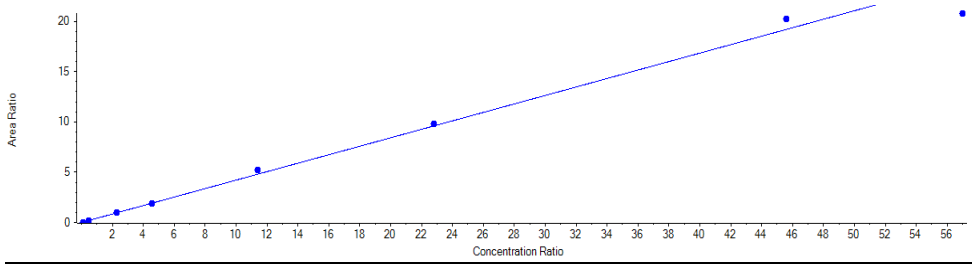
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFHxS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	3.38	408400	16734	0.097	107.0	1.067	160	True	0.24
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	3.39	409100	72922	0.423	92.8	0.926	616	True	0.23
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	3.38	389100	381749	2.330	102.2	1.020	930	True	0.21
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	3.38	386800	715106	4.391	96.3	0.961	1071	True	0.25
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	3.40	390800	2027581	12.322	108.1	1.079	1233	True	0.22
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	3.38	394200	3854309	23.224	101.9	1.016	1085	True	0.25
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	3.40	360900	7288145	47.967	105.2	1.050	1055	True	0.23
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	3.39	389900	8101843	49.352	86.6	0.864	977	True	0.25

Analyte Name: PFHxS
Regression Equation: Y = 0.998 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.032 Avg. RF = 0.998 RSD = 7.503 RSE = 7.503
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

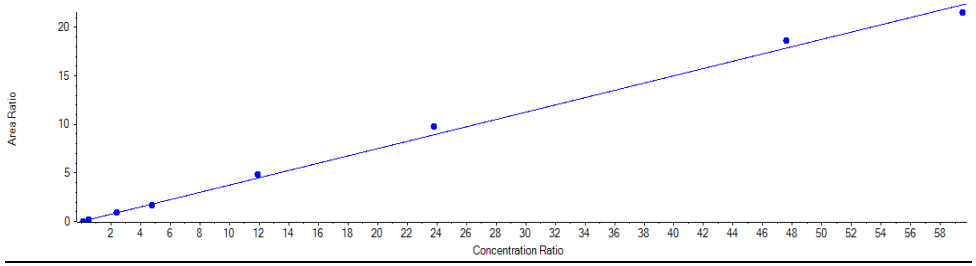
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFHpS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	3.83	408100	14604	0.095	100.3	0.904	149	True	0.77
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	3.83	442500	69380	0.418	87.7	0.791	719	True	1.32
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	3.83	434300	386962	2.374	99.7	0.899	3674	True	1.29
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	3.82	412100	689834	4.458	93.7	0.844	7172	True	1.05
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	3.85	407300	1967722	12.869	108.1	0.974	20534	True	1.18
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	3.83	405200	3971788	26.111	109.7	0.988	7816	True	1.19
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	3.84	380600	7091992	49.633	104.3	0.939	8065	True	1.37
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	3.83	385200	8296229	57.370	96.4	0.869	7635	True	1.01

Analyte Name: PFHpS
Regression Equation: Y = 0.901 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.028 Avg. RF = 0.901 RSD = 7.388 RSE = 7.388
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

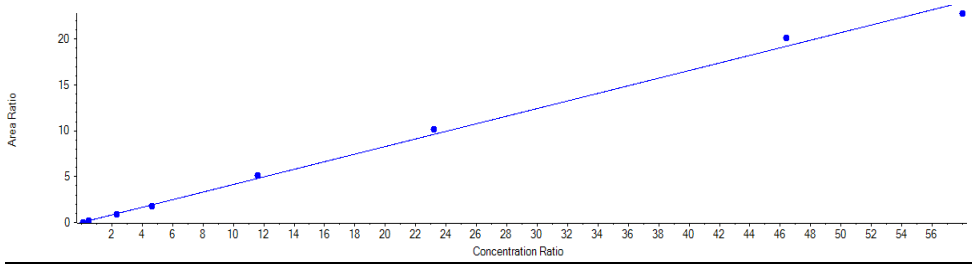
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFOS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	4.25	408100	17089	0.101	108.7	1.081	103	True	0.14
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	4.25	442500	79997	0.436	94.1	0.935	251	True	0.17
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	4.25	434300	397281	2.208	95.2	0.946	441	True	0.17
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	4.24	412100	718399	4.208	90.7	0.902	506	True	0.17
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	4.27	407300	2078822	12.321	106.2	1.056	582	True	0.17
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	4.25	405200	4109334	24.482	105.5	1.049	584	True	0.19
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	4.26	380600	7666167	48.621	104.8	1.042	548	True	0.16
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	4.25	385200	8780381	55.025	94.9	0.943	573	True	0.17

Analyte Name: PFOS
Regression Equation: Y = 0.994 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.029 Avg. RF = 0.994 RSD = 6.959 RSE = 6.959
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

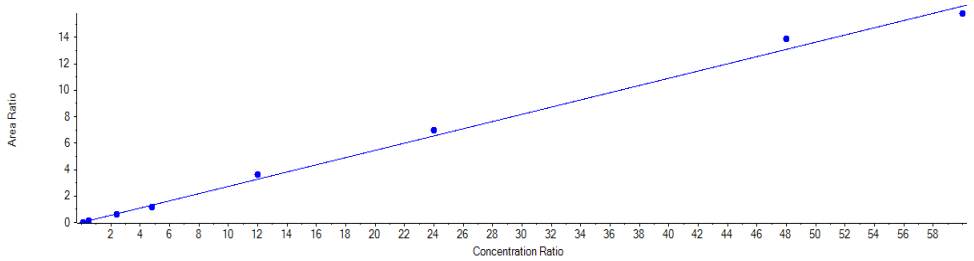
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFNS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	4.66	408100	10424	0.094	97.6	0.639	132	True	1.01
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	4.66	442500	53108	0.440	91.7	0.600	687	True	1.05
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	4.66	434300	278848	2.355	98.1	0.642	3362	True	1.07
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	4.65	412100	492586	4.383	91.3	0.598	4277	True	1.11
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	4.67	407300	1488646	13.404	111.7	0.731	4817	True	1.04
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	4.66	405200	2838748	25.693	107.1	0.701	36012	True	0.98
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	4.67	380600	5278817	50.863	106.0	0.693	5512	True	1.12
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	4.66	385200	6086973	57.951	96.6	0.632	6780	True	1.16

Analyte Name: PFNS
Regression Equation: Y = 0.654 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.020 Avg. RF = 0.654 RSD = 7.442 RSE = 7.442
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

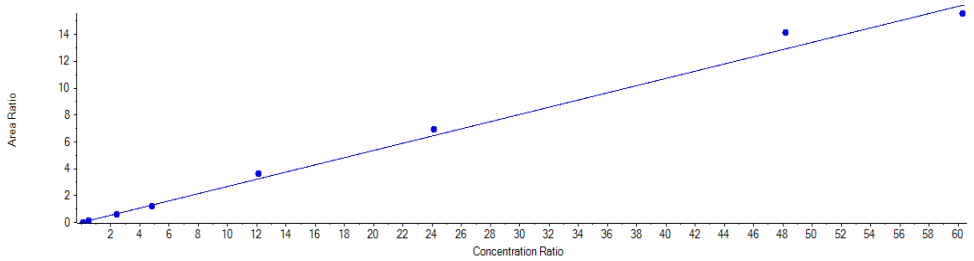
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFDS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	5.05	408100	9729	0.089	92.6	0.596	173	True	1.02
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	5.05	442500	52126	0.439	91.1	0.587	976	True	1.06
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	5.05	434300	277370	2.381	98.8	0.636	3807	True	0.99
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	5.04	412100	497057	4.496	93.3	0.601	5083	True	0.90
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	5.06	407300	1476729	13.515	111.7	0.719	27216	True	1.01
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	5.05	405200	2807815	25.831	107.2	0.690	50396	True	1.34
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	5.06	380600	5374751	52.638	109.2	0.703	96693	True	1.12
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	5.05	385200	5994566	58.010	96.2	0.619	7038	True	1.01

Analyte Name: PFDS
Regression Equation: Y = 0.644 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.022 Avg. RF = 0.644 RSD = 8.185 RSE = 8.185
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

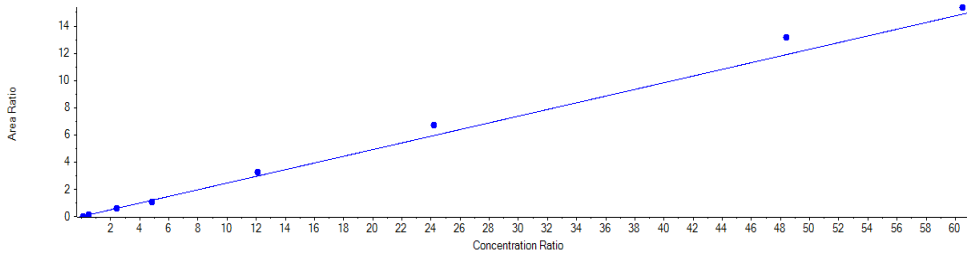
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFDoS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	5.80	408100	8462	0.084	86.9	0.513	288	True	1.06
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	5.81	442500	45592	0.419	86.6	0.511	1514	True	1.17
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	5.80	434300	256721	2.404	99.4	0.586	8386	True	1.17
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	5.79	412100	447632	4.417	91.3	0.539	14801	True	1.09
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	5.81	407300	1324325	13.224	109.3	0.645	13327	True	1.02
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	5.80	405200	2711924	27.222	112.5	0.664	10885	True	0.76
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	5.81	380600	5017886	53.621	110.8	0.654	169888	True	0.97
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	5.81	385200	5918470	62.492	103.3	0.610	10447	True	0.72

Analyte Name: PFDoS
Regression Equation: Y = 0.590 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.026 Avg. RF = 0.590 RSD = 10.670 RSE = 10.670
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

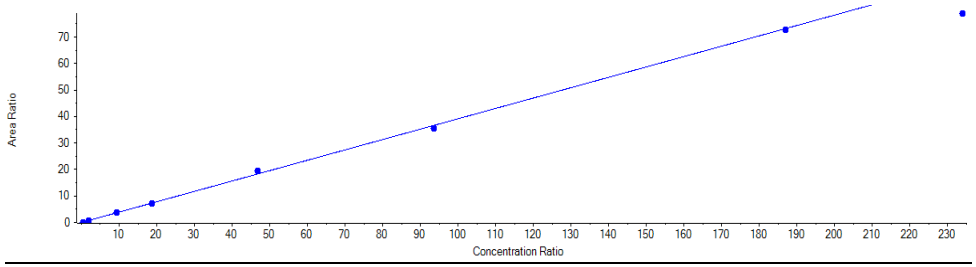
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: 4:2FTS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	1.93	153700	25386	0.422	112.5	2.065	472	True	1.10
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	1.93	159200	112471	1.805	96.5	1.771	2127	True	1.46
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	1.93	143500	562638	10.017	106.9	1.962	8784	True	1.41
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	1.92	138600	975286	17.978	96.1	1.764	9041	True	1.48
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	1.94	139400	2690556	49.330	105.2	1.930	11550	True	1.54
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	1.92	147500	5256678	91.073	97.2	1.784	16249	True	1.11
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	1.94	146100	10626847	185.908	99.4	1.825	14905	True	1.38
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	1.93	155400	12250895	201.511	86.1	1.580	219859	True	1.23

Analyte Name: 4:2FTS
Regression Equation: Y = 1.835 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.032 Avg. RF = 1.835 RSD = 8.102 RSE = 8.102
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

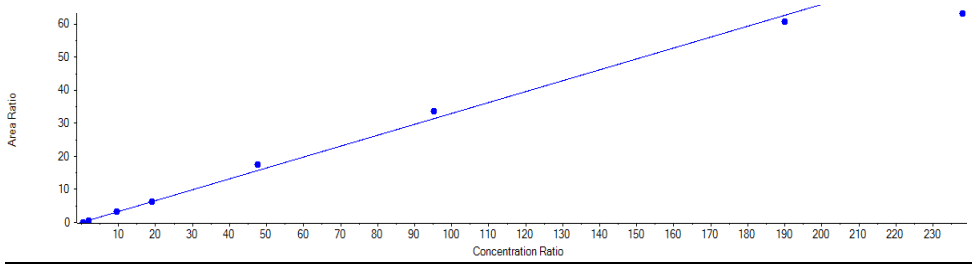
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: 6:2FTS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	3.10	140200	17698	0.383	100.7	1.581	198	True	1.19
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	3.11	136900	82403	1.824	96.0	1.508	947	True	0.94
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	3.11	135300	453397	10.155	106.8	1.677	4411	True	0.99
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	3.10	135700	858068	19.158	100.8	1.584	8962	True	1.49
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	3.12	135200	2370973	53.130	111.6	1.753	14353	True	1.17
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	3.11	135500	4545177	101.621	106.9	1.679	15103	True	1.07
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	3.12	139200	8441130	183.785	96.7	1.519	19111	True	1.44
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	3.11	153100	9683180	191.604	80.5	1.265	15438	True	1.17

Analyte Name: 6:2FTS
Regression Equation: Y = 1.571 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.031 Avg. RF = 1.571 RSD = 9.531 RSE = 9.531
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

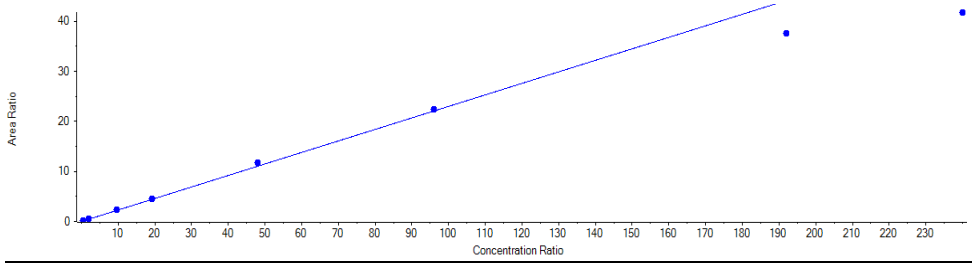
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: 8:2FTS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	3.92	126000	13019	0.449	116.9	1.291	160	True	0.90
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	3.92	115800	54424	2.041	106.3	1.174	575	True	1.17
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	3.92	120900	287373	10.329	107.6	1.189	3121	True	1.10
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	3.91	110000	493181	19.475	101.4	1.121	5153	True	1.35
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	3.94	127300	1485443	50.717	105.7	1.167	15214	True	1.07
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	3.92	125300	2804271	97.249	101.3	1.119	8170	True	0.98
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	3.93	138300	5203269	163.507	85.2	0.941	9628	True	1.14
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	3.92	143800	6008991	181.545	75.6	0.836	10230	True	1.37

Analyte Name: 8:2FTS
Regression Equation: Y = 1.105 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.031 Avg. RF = 1.105 RSD = 13.268 RSE = 13.268
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

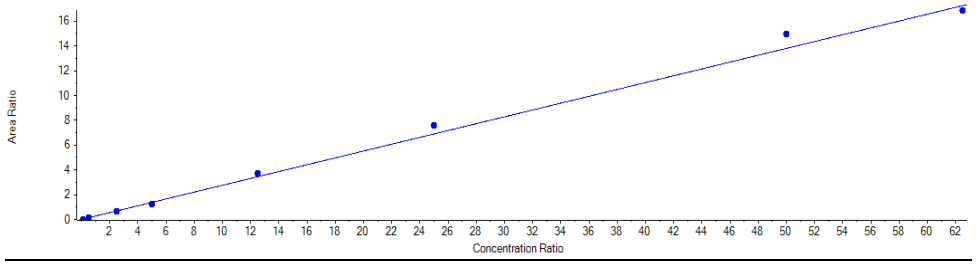
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFOSA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	5.27	733300	20000	0.099	98.8	0.682	267	True	0.18
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	5.27	718000	90659	0.458	91.5	0.631	259	True	0.18
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	5.27	722300	472044	2.368	94.7	0.654	246	True	0.18
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	5.26	668800	832850	4.513	90.3	0.623	249	True	0.18
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	5.28	669000	2498732	13.535	108.3	0.747	287	True	0.17
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	5.27	645300	4907309	27.559	110.2	0.760	254	True	0.17
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	5.28	626600	9373125	54.208	108.4	0.748	235	True	0.19
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	5.27	655900	11053128	61.074	97.7	0.674	225	True	0.19

Analyte Name: PFOSA
Regression Equation: Y = 0.690 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.022 Avg. RF = 0.690 RSD = 7.975 RSE = 7.975
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

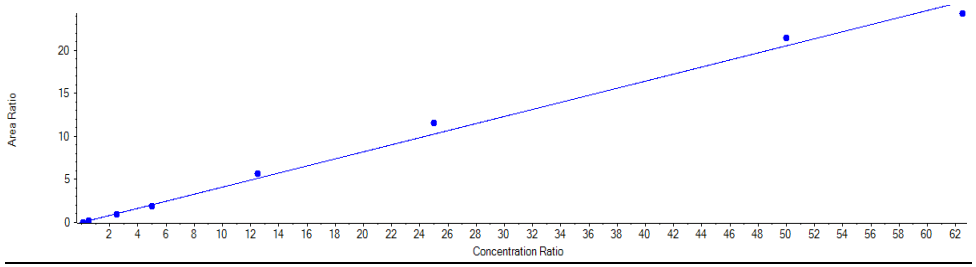
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: NMeFOSA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	5.98	97650	3847	0.096	95.8	0.985	75	True	0.25
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	5.98	100800	19768	0.477	95.4	0.980	218	True	0.20
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	5.98	105200	102469	2.369	94.8	0.974	289	True	0.20
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	5.97	98040	184746	4.583	91.7	0.942	288	True	0.20
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	5.99	96600	550510	13.862	110.9	1.140	280	True	0.20
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	5.98	97370	1125025	28.106	112.4	1.155	284	True	0.17
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	5.99	100600	2159783	52.205	104.4	1.073	325	True	0.20
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	5.99	104900	2551488	59.146	94.6	0.973	288	True	0.18

Analyte Name: NMeFOSA
Regression Equation: Y = 1.028 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.033 Avg. RF = 1.028 RSD = 8.079 RSE = 8.079
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

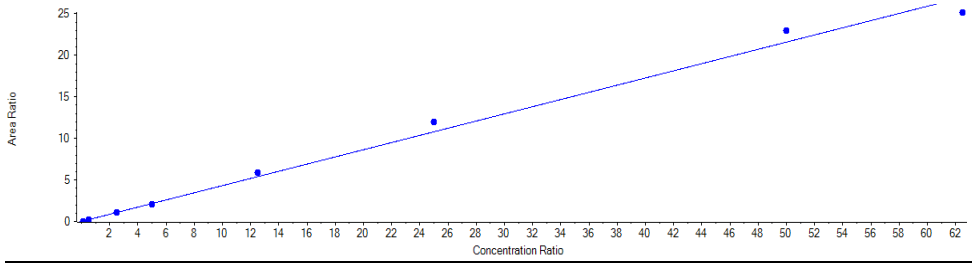
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: NEtFOSA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	6.26	89470	3337	0.086	86.4	0.932	86	True	0.16
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	6.26	93550	19702	0.488	97.5	1.053	357	True	0.17
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	6.27	94180	102484	2.520	100.8	1.088	718	True	0.18
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	6.26	91440	187317	4.744	94.9	1.024	800	True	0.19
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	6.28	90440	536594	13.739	109.9	1.187	1130	True	0.19
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	6.26	91280	1090896	27.675	110.7	1.195	1031	True	0.21
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	6.28	92800	2136520	53.311	106.6	1.151	1131	True	0.20
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	6.27	102200	2571867	58.256	93.2	1.006	1168	True	0.18

Analyte Name: NEtFOSA
Regression Equation: Y = 1.080 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.037 Avg. RF = 1.080 RSD = 8.635 RSE = 8.635
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

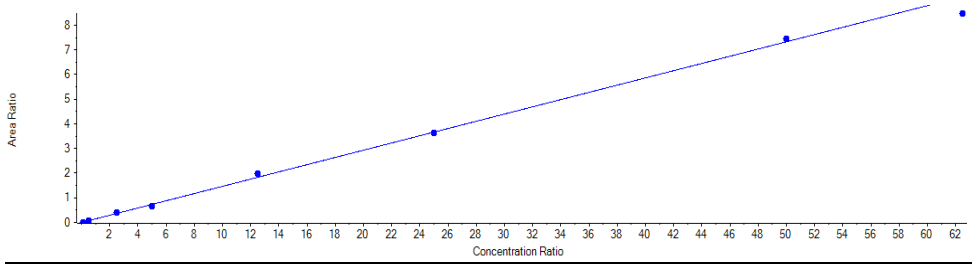
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: NMeFOSAA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	4.19	179300	2566	0.098	97.7	0.716	25	True	1.07
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	4.19	187300	13977	0.509	101.8	0.746	119	True	0.26
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	4.19	180800	72561	2.738	109.5	0.803	590	True	0.30
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	4.18	190200	125724	4.510	90.2	0.661	390	True	0.26
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	4.21	207400	409413	13.462	107.7	0.789	571	True	0.29
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	4.19	240500	870588	24.694	98.8	0.724	969	True	0.28
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	4.20	244500	1825395	50.923	101.9	0.747	938	True	0.27
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	4.19	257700	2184229	57.821	92.5	0.678	934	True	0.24

Analyte Name: NMeFOSAA
Regression Equation: Y = 0.733 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.010 Avg. RF = 0.733 RSD = 6.717 RSE = 6.717
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

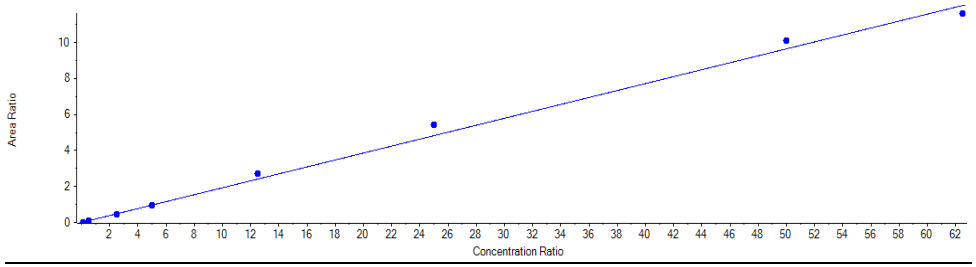
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: NEtFOSAA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	4.39	201900	3582	0.092	92.0	0.887	32	True	0.25
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	4.39	220800	18547	0.435	87.1	0.840	179	True	1.41
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	4.39	199900	94437	2.449	98.0	0.945	535	True	1.12
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	4.38	196600	185356	4.886	97.7	0.943	602	True	1.09
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	4.40	203400	547430	13.950	111.6	1.077	880	True	0.95
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	4.39	200000	1084897	28.118	112.5	1.085	787	True	1.48
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	4.40	193500	1959543	52.481	105.0	1.013	797	True	0.99
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	4.39	203800	2366612	60.180	96.3	0.929	755	True	1.15

Analyte Name: NEtFOSAA
Regression Equation: Y = 0.965 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.017 Avg. RF = 0.965 RSD = 9.026 RSE = 9.026
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

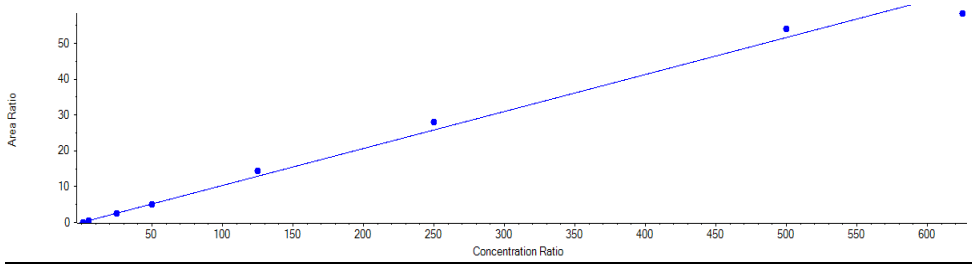
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: NMeFOSE

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	5.85	1276000	123061	0.933	93.3	2.411	144	True	0.21
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	5.85	1150000	562629	4.736	94.7	2.447	236	True	0.16
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	5.85	1174000	3075312	25.353	101.4	2.620	236	True	0.17
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	5.84	1095000	5458640	48.260	96.5	2.493	231	True	0.16
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	5.86	1147000	16407618	138.462	110.8	2.862	246	True	0.17
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	5.85	1199000	33544675	270.712	108.3	2.797	224	True	0.20
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	5.86	1155000	62433418	523.040	104.6	2.702	230	True	0.17
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	5.86	1271000	74197675	564.858	90.4	2.335	214	True	0.19

Analyte Name: NMeFOSE
Regression Equation: Y = 2.583 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.008 Avg. RF = 2.583 RSD = 7.418 RSE = 7.418
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

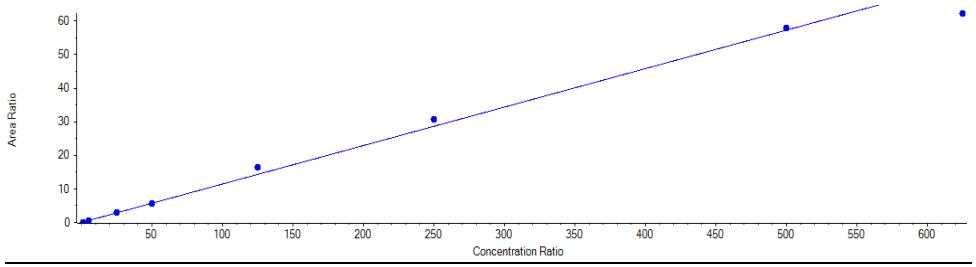
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: NEtFOSE

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	6.14	1759000	194387	0.965	96.5	2.763	143	True	0.16
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	6.14	1733000	944973	4.759	95.2	2.726	237	True	0.17
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	6.14	1748000	5137152	25.655	102.6	2.939	472	True	0.18
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	6.13	1669000	9239121	48.327	96.7	2.768	467	True	0.18
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	6.15	1597000	26047831	142.417	113.9	3.263	451	True	0.18
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	6.13	1756000	53763421	267.273	106.9	3.062	392	True	0.16
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	6.15	1619000	93921094	506.512	101.3	2.901	423	True	0.18
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	6.15	1821000	113319505	543.271	86.9	2.489	406	True	0.16

Analyte Name: NEtFOSE
Regression Equation: Y = 2.864 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.009 Avg. RF = 2.864 RSD = 8.179 RSE = 8.179
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

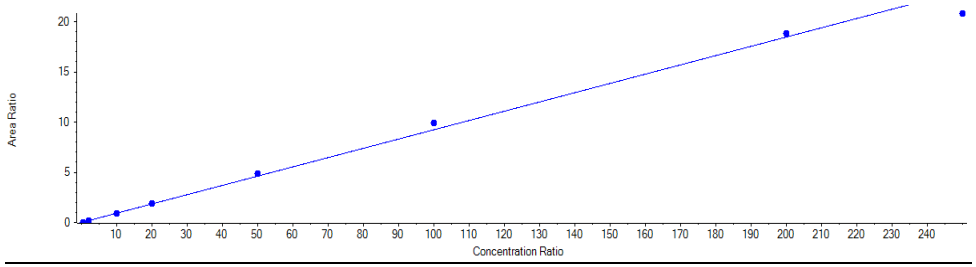
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: HFPO-DA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	2.43	1331000	44270	0.360	90.1	0.832	480	True	1.49
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	2.43	1283000	239615	2.022	101.1	0.934	2567	True	1.52
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	2.43	1351000	1256075	10.063	100.6	0.929	13895	True	1.35
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	2.42	1239000	2355007	20.588	102.9	0.951	8318	True	1.13
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	2.44	1394000	6832739	53.084	106.2	0.981	8608	True	0.90
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	2.43	1389000	13705845	106.876	106.9	0.987	153720	True	1.10
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	2.44	1406000	26503272	204.138	102.1	0.943	7975	True	1.12
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	2.43	1538000	32020843	225.358	90.1	0.833	297456	True	1.08

Analyte Name: HFPO-DA
Regression Equation: Y = 0.924 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.006 Avg. RF = 0.924 RSD = 6.504 RSE = 6.504
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

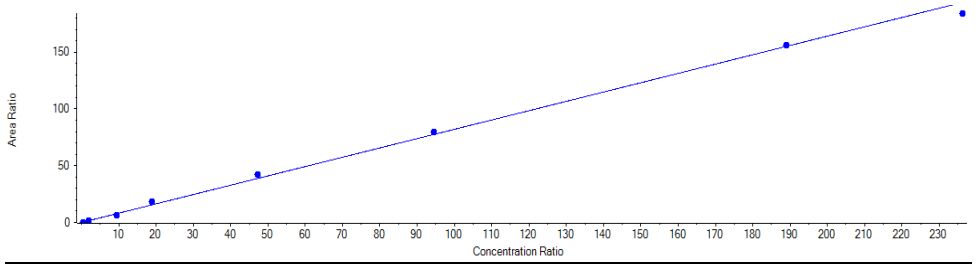
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: ADONA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	2.99	303400	97044	0.390	103.1	2.116	1066	True	1.21
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	3.00	297200	398331	1.633	86.4	1.773	2848	True	1.35
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	3.00	330300	2127891	7.850	83.1	1.704	5397	True	1.43
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	2.99	311300	5804234	22.717	120.2	2.466	6844	True	1.39
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	3.01	312000	13176697	51.459	108.9	2.235	121985	True	1.06
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	3.00	320100	25503901	97.068	102.7	2.108	68105	True	1.02
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	3.01	336400	52530566	190.263	100.7	2.066	63347	True	1.19
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	3.00	363400	66885676	224.264	94.9	1.948	40302	True	1.10

Analyte Name: ADONA
Regression Equation: Y = 2.052 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.098 Avg. RF = 2.052 RSD = 11.963 RSE = 11.963
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

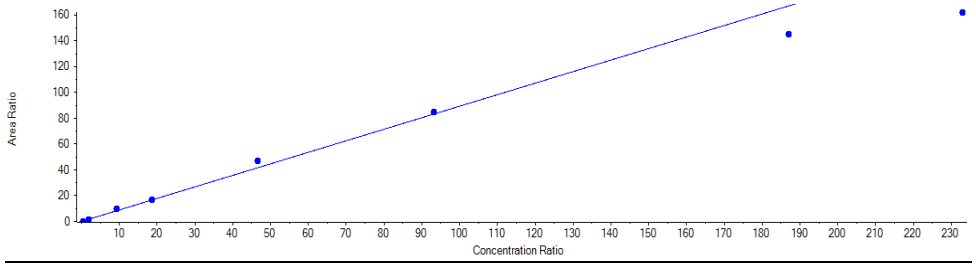
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: 9Cl-PF3ONS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	4.53	408100	138518	0.380	101.8	2.184	1642	True	1.22
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	4.53	442500	767235	1.941	103.8	2.225	4584	True	1.18
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	4.53	434300	4130104	10.644	114.1	2.446	10104	True	1.19
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	4.52	412100	6950757	18.874	100.9	2.164	80119	True	1.31
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	4.54	407300	19236966	52.858	113.2	2.427	215492	True	1.18
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	4.53	405200	34359494	94.903	101.7	2.181	10992	True	1.07
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	4.54	380600	55132596	162.109	86.7	1.859	326637	True	1.22
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	4.53	385200	62392737	181.273	77.8	1.668	649421	True	1.30

Analyte Name: 9Cl-PF3ONS
Regression Equation: Y = 2.145 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.110 Avg. RF = 2.145 RSD = 12.326 RSE = 12.326
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

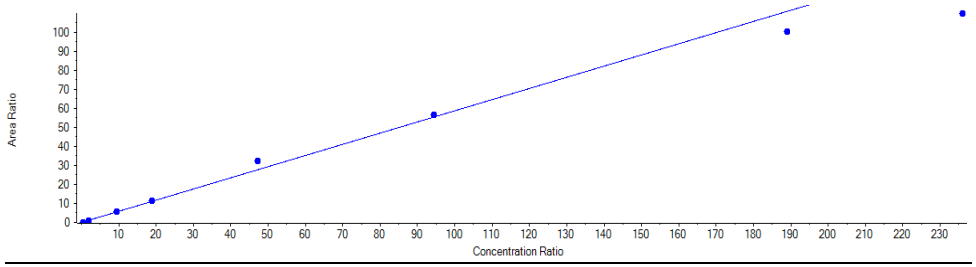
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: 11Cl-PF3OUdS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	5.31	408100	94459	0.394	104.5	1.473	2093	True	0.97
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	5.32	442500	488987	1.880	99.5	1.403	10245	True	1.12
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	5.32	434300	2542854	9.963	105.7	1.490	7522	True	0.99
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	5.30	412100	4699795	19.403	102.7	1.448	110581	True	1.18
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	5.32	407300	13086369	54.670	115.8	1.634	12690	True	1.12
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	5.31	405200	22904661	96.187	102.0	1.439	487241	True	1.35
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	5.33	380600	38315373	171.291	90.6	1.278	15051	True	1.27
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	5.32	385200	42353737	187.091	79.3	1.118	849115	True	1.02

Analyte Name: 11Cl-PF3OUdS
Regression Equation: Y = 1.410 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.064 Avg. RF = 1.410 RSD = 10.895 RSE = 10.895
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

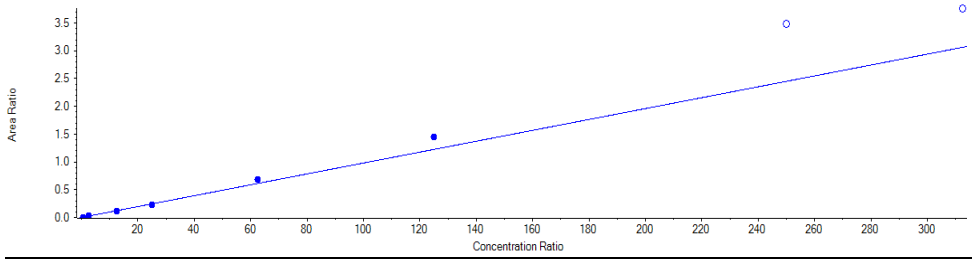
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: 3:3FTCA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	1.71	1169000	4896	0.427	85.4	0.042	41	True	0.97
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	1.71	1175000	28758	2.498	99.9	0.049	198	True	1.21
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	1.71	1157000	133431	11.767	94.1	0.046	1061	True	1.21
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	1.70	1140000	252674	22.602	90.4	0.044	1946	True	1.57
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	1.72	1072000	736159	70.052	112.1	0.055	3364	True	1.27
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	1.70	1056000	1527841	147.571	118.1	0.058	2834	True	1.41
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	1.73	958800	3347004	356.113	142.5	0.070	3662	False	1.52
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	1.71	1011000	3802191	383.761	122.8	0.060	2723	False	1.42

Analyte Name: 3:3FTCA
Regression Equation: Y = 0.049 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.001 Avg. RF = 0.049 RSD = 12.737 RSE = 12.737
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

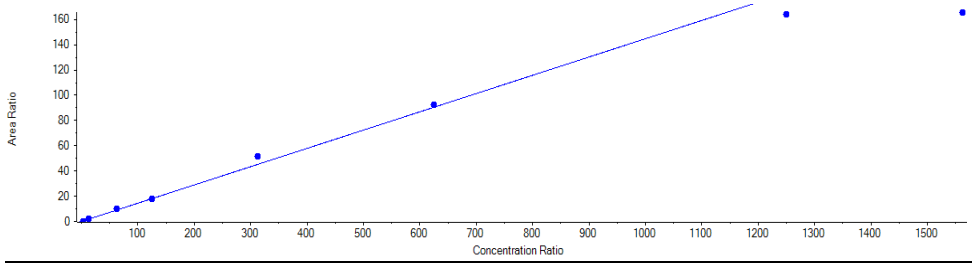
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: 5:3FTCA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	3.23	498300	175039	2.426	97.0	0.351	1881	True	1.46
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	3.23	466500	915404	13.552	108.4	0.392	10019	True	1.31
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	3.23	472200	4862602	71.109	113.8	0.412	7647	True	1.27
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	3.22	458800	8345090	125.605	100.5	0.364	87472	True	1.12
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	3.24	458600	23751302	357.682	114.5	0.414	68836	True	1.08
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	3.23	461800	42544435	636.261	101.8	0.369	62705	True	1.07
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	3.25	448200	73713430	1135.706	90.9	0.329	132127	True	1.34
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	3.24	487400	80705017	1143.461	73.2	0.265	58290	True	1.19

Analyte Name: 5:3FTCA
Regression Equation: Y = 0.362 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.020 Avg. RF = 0.362 RSD = 13.547 RSE = 13.547
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

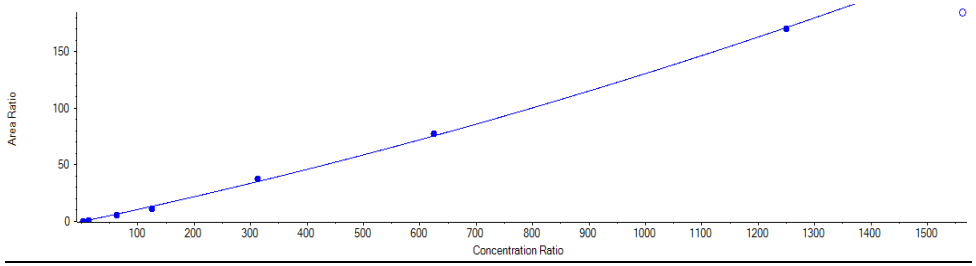
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: 7:3FTCA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	4.17	445800	85928	3.244	129.8	0.096	1030	True	1.07
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	4.18	428500	456192	11.497	92.0	0.106	5693	True	1.30
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	4.18	472900	2560481	52.193	83.5	0.108	32185	True	1.31
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	4.17	423600	4874910	107.915	86.3	0.115	62362	True	1.07
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	4.19	432000	16393918	334.715	107.1	0.152	136239	True	1.24
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	4.18	442900	34179466	636.144	101.8	0.154	58947	True	1.14
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	4.19	385900	65688882	1242.925	99.4	0.170	26930	True	1.03
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	4.18	410600	75842820	1327.593	85.0	0.148	29765	False	1.40

Analyte Name: 7:3FTCA
Regression Equation: Y = 0.129 x (r = 0.9990 r^2 = 0.9979) (Weighting: 1/X)
STD Dev. = 0.023 Avg. RF = 0.129 RSD = 22.516 RSE = 19.127
Calibration type: Quadratic



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

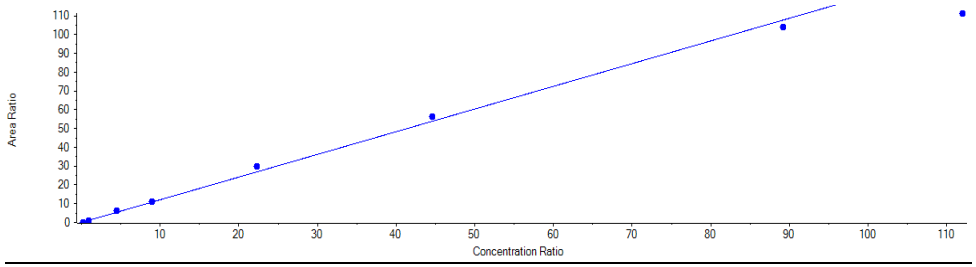
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFEESA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	2.53	498300	96385	0.160	89.9	2.717	1001	True	1.06
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	2.53	466500	492087	0.873	97.9	2.957	3146	True	1.10
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	2.53	472200	2972420	5.210	116.8	3.528	34753	True	1.91
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	2.52	458800	4975783	8.976	100.6	3.040	52530	True	1.32
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	2.54	458600	13740865	24.802	111.2	3.359	146721	True	0.99
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	2.52	461800	26041769	46.679	104.7	3.161	273252	True	1.08
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	2.54	448200	46680617	86.202	96.6	2.919	125459	True	1.17
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	2.53	487400	54220696	92.076	82.2	2.483	446523	True	1.10

Analyte Name: PFEESA
Regression Equation: Y = 3.020 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.134 Avg. RF = 3.020 RSD = 11.110 RSE = 11.110
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

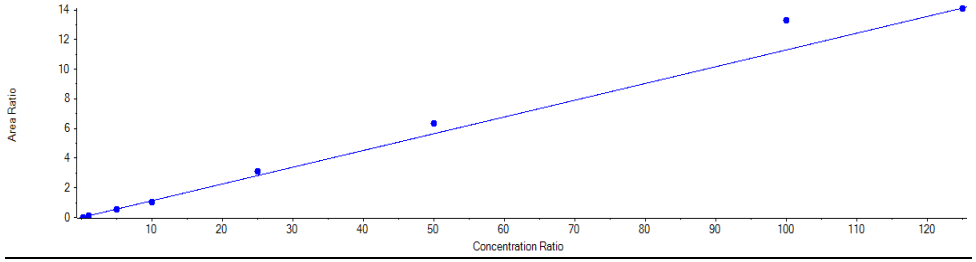
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFMPA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	0.84	2509000	49775	0.176	87.8	0.992	1583	True	1.40
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	0.84	2516000	251731	0.885	88.6	1.001	6606	True	1.36
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	0.84	2575000	1342999	4.616	92.3	1.043	13841	True	1.30
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	0.82	2383000	2434191	9.041	90.4	1.022	14267	True	1.40
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	0.85	2199000	6886485	27.717	110.9	1.253	24187	True	1.63
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	0.83	2022000	12856153	56.270	112.5	1.272	27672	True	1.51
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	0.85	1765000	23491584	117.768	117.8	1.331	33096	True	1.33
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	0.83	1839000	25918452	124.721	99.8	1.127	27587	True	1.14

Analyte Name: PFMPA
Regression Equation: Y = 1.130 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.014 Avg. RF = 1.130 RSD = 12.087 RSE = 12.087
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

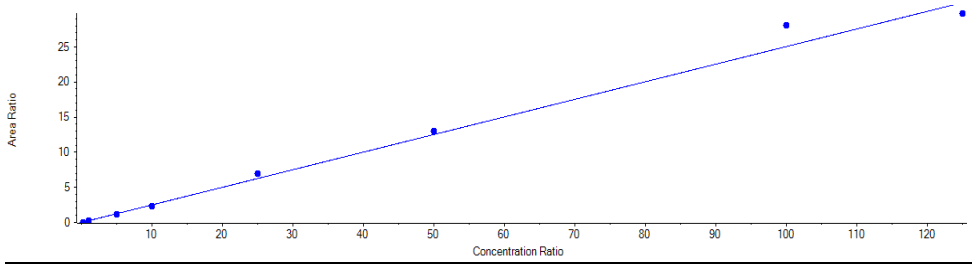
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFMBA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	1.64	1169000	53581	0.183	91.4	1.145	1379	True	1.07
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	1.64	1175000	279943	0.951	95.1	1.192	7271	True	1.49
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	1.64	1157000	1407721	4.858	97.2	1.217	37441	True	1.35
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	1.62	1140000	2675738	9.366	93.7	1.173	23827	True	1.32
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	1.65	1072000	7492130	27.897	111.6	1.398	76317	True	1.33
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	1.63	1056000	13775165	52.063	104.1	1.304	45284	True	1.35
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	1.65	958800	26869875	111.869	111.9	1.401	75411	True	1.11
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	1.64	1011000	30074560	118.779	95.0	1.190	53041	True	1.18

Analyte Name: PFMBA
Regression Equation: Y = 1.253 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.020 Avg. RF = 1.253 RSD = 8.126 RSE = 8.126
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

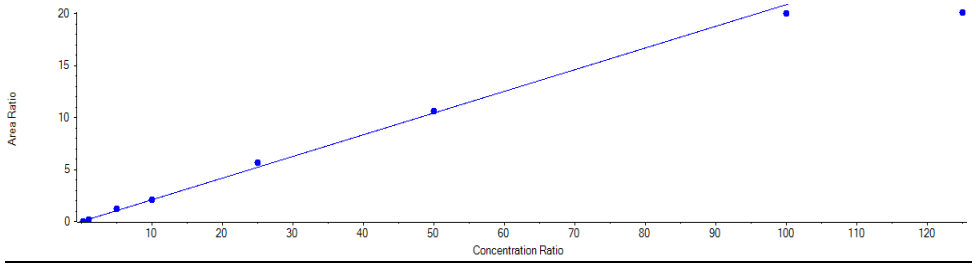
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: NFDHA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	2.08	498300	19995	0.192	96.1	0.502	257	True	1.39
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	2.08	466500	99719	1.024	102.4	0.534	1280	True	1.17
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	2.08	472200	575666	5.841	116.8	0.610	6981	True	0.89
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	2.06	458800	967647	10.105	101.1	0.527	8137	True	1.29
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	2.09	458600	2597670	27.141	108.6	0.566	15071	True	0.99
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	2.07	461800	4920969	51.059	102.1	0.533	10206	True	1.21
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	2.09	448200	8965475	95.835	95.8	0.500	13695	True	1.16
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	2.08	487400	9801386	96.347	77.1	0.402	123071	True	1.33

Analyte Name: NFDHA
Regression Equation: Y = 0.522 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.024 Avg. RF = 0.522 RSD = 11.497 RSE = 11.497
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

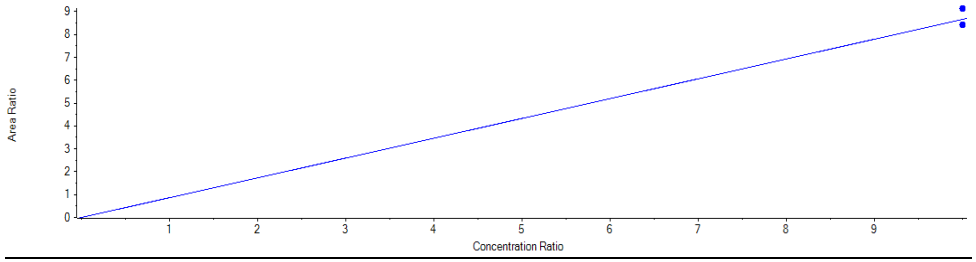
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: TDCA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	2.96	408100	3442872	9.742	97.4	2.024	19424	True	1.11
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	N/A	442500	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	N/A	434300	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	2.96	412100	3464977	9.710	97.1	2.018	14614	True	1.20
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	N/A	407300	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	N/A	405200	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	N/A	380600	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	2.97	385200	3518003	10.548	105.5	2.192	12026	True	1.04

Analyte Name: TDCA
Regression Equation: Y = 2.078 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.041 Avg. RF = 2.078 RSD = 4.749 RSE = 0.000
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

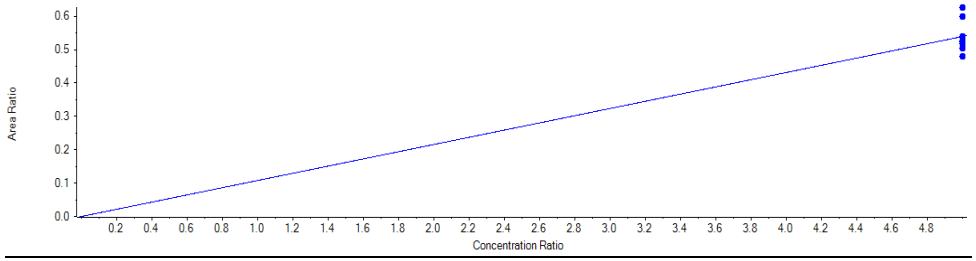
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: 13C2D4-4:2FTS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	1.92	336100	210461	5.804	116.1	0.297	4086	True	1.52
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	1.92	336400	175674	4.841	96.8	0.248	3315	True	1.00
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	1.92	359800	186110	4.795	95.9	0.245	3541	True	1.32
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	1.91	302400	181463	5.563	111.3	0.284	3499	True	1.37
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	1.93	343700	165231	4.457	89.1	0.228	3016	True	1.53
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	1.91	337100	181413	4.990	99.8	0.255	3552	True	1.46
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	1.93	334700	176322	4.884	97.7	0.250	3319	True	1.34
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	1.92	329700	165946	4.667	93.3	0.239	3159	True	1.11

Analyte Name: 13C2D4-4:2FTS
Regression Equation: Y = 0.256 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.010 Avg. RF = 0.256 RSD = 9.105 RSE = 0.000
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

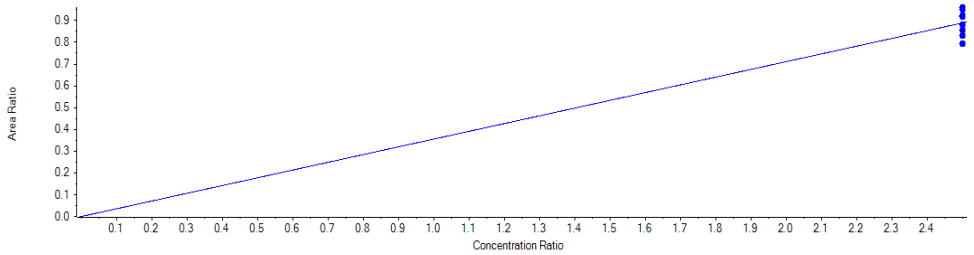
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: 13C2-PFOA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	3.28	414200	397526	2.699	107.9	0.960	4707	True	1.14
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	3.28	400500	352494	2.475	99.0	0.880	4343	True	1.06
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	3.28	441900	378566	2.409	96.4	0.857	3954	True	0.98
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	3.27	397700	367317	2.597	103.9	0.924	3727	True	1.28
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	3.29	431400	342711	2.234	89.4	0.794	3970	True	1.35
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	3.28	452300	429782	2.672	106.9	0.950	5156	True	1.27
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	3.29	456700	418488	2.576	103.1	0.916	4076	True	1.05
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	3.28	470700	391536	2.339	93.6	0.832	4169	True	1.21

Analyte Name: 13C2-PFOA
Regression Equation: Y = 0.889 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.023 Avg. RF = 0.889 RSD = 6.589 RSE = 0.000
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Type	Name	IA1633FSTD-.1	IA1633FSTD-.2	IA1633FSTD-.5	IA1633FSTD-2.5	IA1633FSTD-5	IA1633FSTD-12.5	IA1633FSTD-25	IA1633FSTD-50	IA1633FSTD-62.5	AVG RF	RSD
EIS	13C4-PFBA	1.142		1.113	1.123	1.21	1.095	1.109	1.082	1.12	1.124	3.468
EIS	13C5-PFPeA	0.918		0.883	0.811	0.897	0.778	0.796	0.784	0.785	0.832	6.923
EIS	13C5-PFHxA	0.782		0.702	0.662	0.722	0.666	0.696	0.733	0.757	0.715	5.886
EIS	13C4-PFHpA	0.476		0.447	0.463	0.49	0.453	0.483	0.55	0.565	0.491	8.921
EIS	13C8-PFOA	2.71		2.764	2.582	2.775	2.54	2.446	2.231	2.262	2.539	8.389
EIS	13C9-PFNA	1.177		1.119	1.163	1.203	1.031	1.138	1.012	1.022	1.108	6.856
EIS	13C6-PFDA	1.046		1.112	1.033	1.214	1.008	1.06	1.037	1.092	1.075	6.065
EIS	13C7-PFUnA	0.96		1.018	0.877	0.969	0.943	0.913	0.881	0.86	0.928	5.854
EIS	13C2-PFDoA	0.752		0.779	0.674	0.785	0.774	0.803	0.808	0.812	0.773	5.792
EIS	13C2-PFTeDA	0.691		0.679	0.601	0.697	0.657	0.723	0.732	0.757	0.692	7.005
EIS	13C3-PFBS	1.44		1.444	1.408	1.486	1.274	1.265	1.196	1.286	1.350	7.899
EIS	13C3-PFHxS	1.215		1.216	1.081	1.279	1.137	1.169	1.078	1.183	1.170	5.921
EIS	13C8-PFOS	1.393		1.44	1.386	1.591	1.35	1.333	1.323	1.239	1.382	7.462
EIS	13C2-4:2FTS	0.231		0.239	0.202	0.232	0.205	0.221	0.221	0.238	0.224	6.386
EIS	13C2-6:2FTS	0.208		0.203	0.187	0.223	0.196	0.2	0.207	0.231	0.207	6.937
EIS	13C2-8:2FTS	0.185		0.17	0.166	0.18	0.183	0.184	0.204	0.215	0.186	8.879
EIS	13C8-PFOSA	2.402		2.243	2.214	2.478	2.129	2.038	2.091	2.025	2.203	7.556
EIS	d3-NMeFOSA	0.32		0.315	0.322	0.363	0.307	0.308	0.336	0.324	0.324	5.62
EIS	d5-NEtFOSA	0.293		0.292	0.289	0.339	0.288	0.288	0.31	0.316	0.302	6.063
EIS	d3-NMeFOSAA	0.294		0.293	0.277	0.352	0.33	0.38	0.408	0.398	0.341	14.913
EIS	d5-NEtFOSAA	0.331		0.345	0.306	0.364	0.324	0.316	0.323	0.315	0.328	5.709
EIS	d7-NMeFOSE	0.418		0.359	0.36	0.406	0.365	0.379	0.385	0.393	0.383	5.658
EIS	d9-NEtFOSE	0.576		0.541	0.536	0.618	0.508	0.555	0.54	0.562	0.555	5.9
EIS	13C3-HFPO-DA	0.522		0.482	0.474	0.487	0.506	0.523	0.575	0.598	0.521	8.559
NIS	13C3-PFBA	1.111		1.143	1.159	0.996	1.015	0.921	0.825	0.83	1.000	13.316
NIS	13C2-PFHxA	0.97		1.012	1.085	0.967	1.048	1.009	0.93	0.979	1.000	4.939
NIS	13C4-PFOA	0.956		0.925	1.02	0.918	0.996	1.044	1.054	1.087	1.000	6.226
NIS	13C5-PFNA	0.974		0.984	1.045	0.906	1.077	1.001	0.981	1.033	1.000	5.25
NIS	13C2-PFDA	1.051		1.007	1.141	0.917	1.018	0.961	0.91	0.995	1.000	7.51
NIS	18O2-PFHxS	1.003		1.004	1.074	0.903	1.026	1.006	0.999	0.984	1.000	4.774
NIS	13C4-PFOS	0.986		1.034	1.054	0.872	1.015	1.023	0.968	1.046	1.000	5.928

Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2474358
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Instrument ID	: LCMS05	Ical Ref	: ICAL21712
Calibration dates	: 11/15/24 13:00 11/15/24 14:12		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Analyte	Expected Ratio	Lower Limt	Upper Limt	NIS Analyte	AVG. NIS Area
PFBA	N/A	N/A	N/A	13C3-PFBA	989143
PFPeA	N/A	N/A	N/A	13C2-PFHxA	657214
PFHxA	0.089	0.0445	0.1335	13C4-PFOA	433184
PFHpA	0.332	0.166	0.498	13C5-PFNA	388942
PFOA	0.369	0.1845	0.5535	13C2-PFDA	395978
PFNA	0.303	0.1515	0.4545	18O2-PFHxS	334995
PFDA	0.162	0.081	0.243	13C4-PFOS	297103
PFUnA	0.199	0.0995	0.2985	N/A	N/A
PFDoA	0.18	0.09	0.27	N/A	N/A
PFTrDA	0.16	0.08	0.24	N/A	N/A
PFTeDA	0.149	0.0745	0.2235	N/A	N/A
PFBS	0.388	0.194	0.582	N/A	N/A
PFPeS	0.297	0.1485	0.4455	N/A	N/A
PFHxS	0.296	0.148	0.444	N/A	N/A
PFHpS	0.258	0.129	0.387	N/A	N/A
PFOS	0.233	0.1165	0.3495	N/A	N/A
PFNS	0.296	0.148	0.444	N/A	N/A
PFDS	0.272	0.136	0.408	N/A	N/A
PFDoS	0.263	0.1315	0.3945	N/A	N/A
4:2FTS	0.559	0.2795	0.8385	N/A	N/A
6:2FTS	0.593	0.2965	0.8895	N/A	N/A
8:2FTS	0.759	0.3795	1.1385	N/A	N/A
PFOSA	0.023	0.0115	0.0345	N/A	N/A
NMeFOSA	1.457	0.7285	2.1855	N/A	N/A
NEtFOSA	1.309	0.6545	1.9635	N/A	N/A
NMeFOSAA	0.804	0.402	1.206	N/A	N/A
NEtFOSAA	0.419	0.2095	0.6285	N/A	N/A
NMeFOSE	N/A	N/A	N/A	N/A	N/A
NEtFOSE	N/A	N/A	N/A	N/A	N/A
HFPO-DA	0.685	0.3425	1.0275	N/A	N/A
ADONA	0.884	0.442	1.326	N/A	N/A
9Cl-PF3ONS	0.325	0.1625	0.4875	N/A	N/A
11Cl-PF3OUdS	0.338	0.169	0.507	N/A	N/A
3:3FTCA	1.433	0.7165	2.1495	N/A	N/A
5:3FTCA	0.935	0.4675	1.4025	N/A	N/A
7:3FTCA	1.712	0.856	2.568	N/A	N/A
PFEESA	0.084	0.042	0.126	N/A	N/A
PFMPA	N/A	N/A	N/A	N/A	N/A
PFMBA	N/A	N/A	N/A	N/A	N/A
NFDHA	0.781	0.3905	1.1715	N/A	N/A

Initial Calibration Report

SCIEX OS Version 3.3.1.43

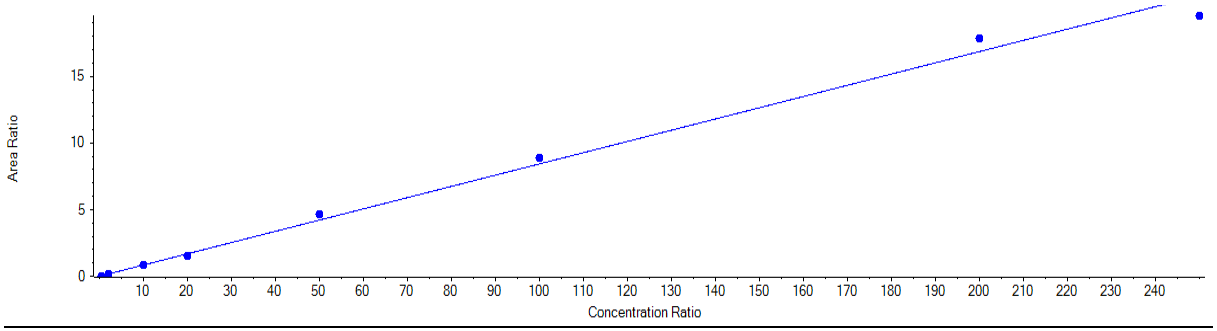
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFBA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	0.66	2509000	81142	0.383	95.9	0.808	357	True	1.42
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	0.66	2516000	411660	1.940	97.0	0.818	901	True	1.31
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	0.66	2575000	2188415	10.076	100.8	0.850	2224	True	1.41
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	0.64	2383000	3722140	18.522	92.6	0.781	2657	True	1.38
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	0.67	2199000	10162672	54.799	109.6	0.924	3633	True	1.60
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	0.65	2022000	18020772	105.670	105.7	0.891	5379	True	1.45
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	0.67	1765000	31505090	211.596	105.8	0.892	6556	True	1.26
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	0.66	1839000	35954203	231.790	92.7	0.782	5576	True	1.26

Analyte Name: PFBA
Regression Equation: Y = 0.843 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.005 Avg. RF = 0.843 RSD = 6.463 RSE = 6.463
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

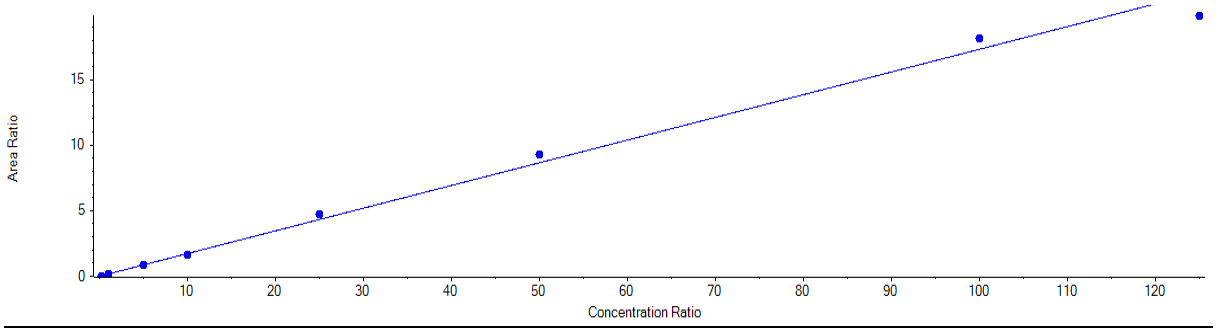
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFPeA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	1.34	1169000	38582	0.191	95.3	0.825	510	True	1.47
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	1.34	1175000	191196	0.940	94.0	0.814	2082	True	1.16
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	1.34	1157000	1030348	5.145	102.9	0.891	5572	True	1.17
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	1.32	1140000	1876017	9.501	95.0	0.822	6901	True	1.25
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	1.36	1072000	5078328	27.361	109.4	0.947	12323	True	1.34
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	1.33	1056000	9771493	53.438	106.9	0.925	14738	True	1.21
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	1.35	958800	17379895	104.700	104.7	0.906	22140	True	1.31
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	1.33	1011000	20075280	114.724	91.8	0.795	20960	True	1.30

Analyte Name: PFPeA
Regression Equation: Y = 0.866 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.012 Avg. RF = 0.866 RSD = 6.734 RSE = 6.734
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

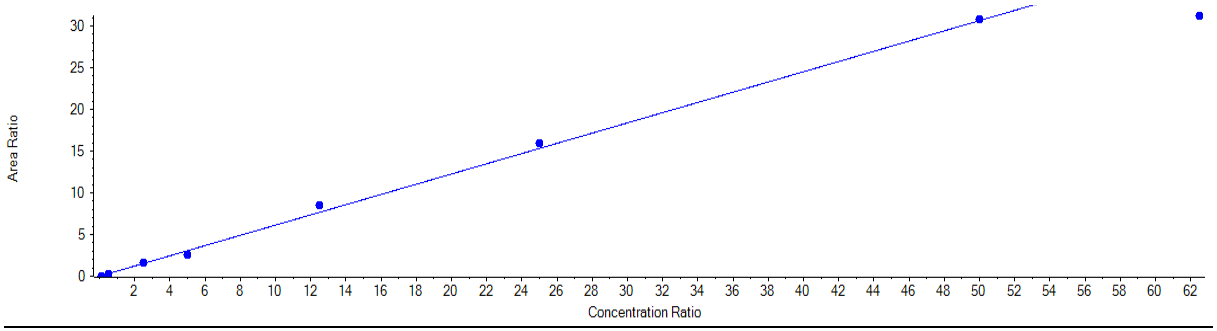
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFHxA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	2.17	498300	32045	0.105	104.9	1.608	368	True	1.61
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	2.17	466500	151498	0.530	106.0	1.624	1754	True	1.27
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	2.17	472200	786636	2.717	108.7	1.666	4208	True	0.93
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	2.16	458800	1150958	4.092	81.9	1.254	5235	True	1.03
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	2.18	458600	3935321	14.000	112.0	1.716	9898	True	1.23
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	2.16	461800	7393103	26.118	104.5	1.601	19340	True	0.96
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	2.18	448200	13824322	50.314	100.6	1.542	15604	True	1.01
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	2.17	487400	15217825	50.933	81.5	1.249	11603	True	1.13

Analyte Name: PFHxA
Regression Equation: Y = 1.533 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.072 Avg. RF = 1.533 RSD = 11.782 RSE = 11.782
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

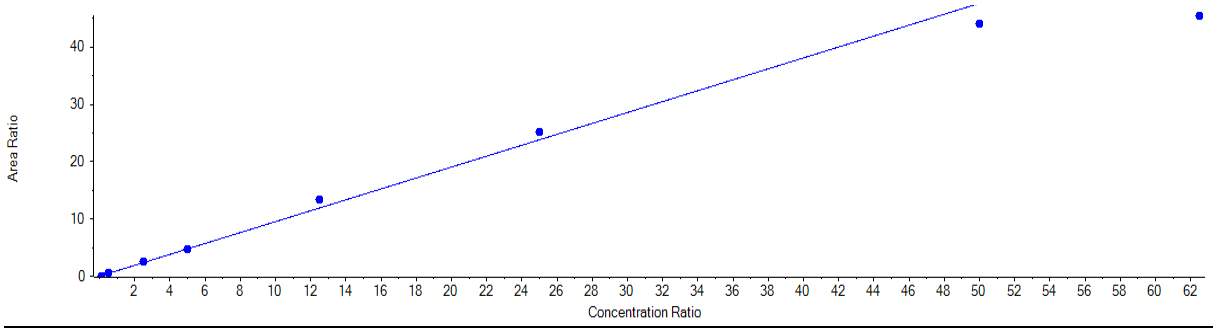
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFHpA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	2.82	303400	29491	0.102	102.0	2.430	327	True	1.40
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	2.83	297200	153379	0.542	108.4	2.581	1416	True	1.10
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	2.83	330300	823094	2.616	104.6	2.492	6524	True	1.11
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	2.82	311300	1464760	4.939	98.8	2.353	6203	True	1.17
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	2.84	312000	4152383	13.971	111.8	2.662	7211	True	1.50
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	2.82	320100	8059448	26.427	105.7	2.518	13896	True	1.37
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	2.84	336400	14801197	46.187	92.4	2.200	11370	True	1.49
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	2.83	363400	16513667	47.703	76.3	1.818	13448	True	1.03

Analyte Name: PFHpA
Regression Equation: Y = 2.382 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.107 Avg. RF = 2.382 RSD = 11.255 RSE = 11.255
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

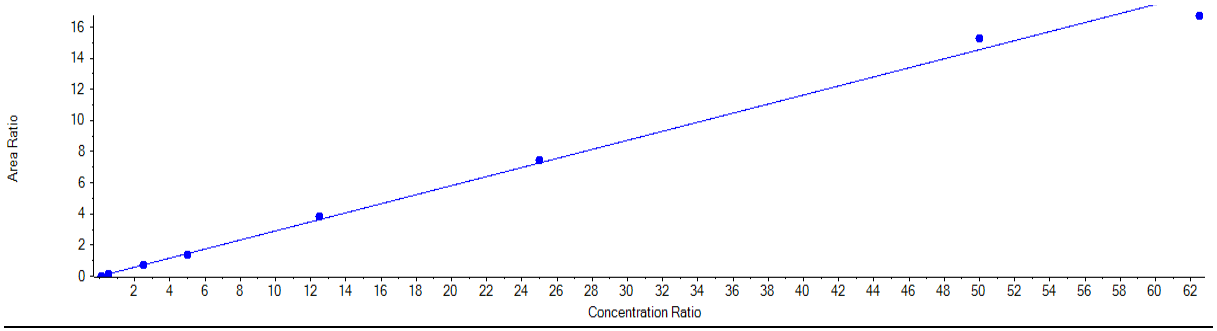
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFOA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	3.28	1122000	35449	0.109	108.6	0.790	113	True	0.17
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	3.29	1107000	149029	0.463	92.5	0.673	292	True	0.23
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	3.29	1141000	829959	2.500	100.0	0.727	558	True	0.21
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	3.28	1104000	1502126	4.678	93.6	0.681	700	True	0.18
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	3.30	1096000	4206037	13.194	105.6	0.768	919	True	0.19
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	3.28	1106000	8286077	25.745	103.0	0.749	859	True	0.18
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	3.30	1019000	15551212	52.451	104.9	0.763	1059	True	0.21
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	3.29	1065000	17808114	57.470	92.0	0.669	931	True	0.18

Analyte Name: PFOA
Regression Equation: Y = 0.727 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.019 Avg. RF = 0.727 RSD = 6.537 RSE = 6.537
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

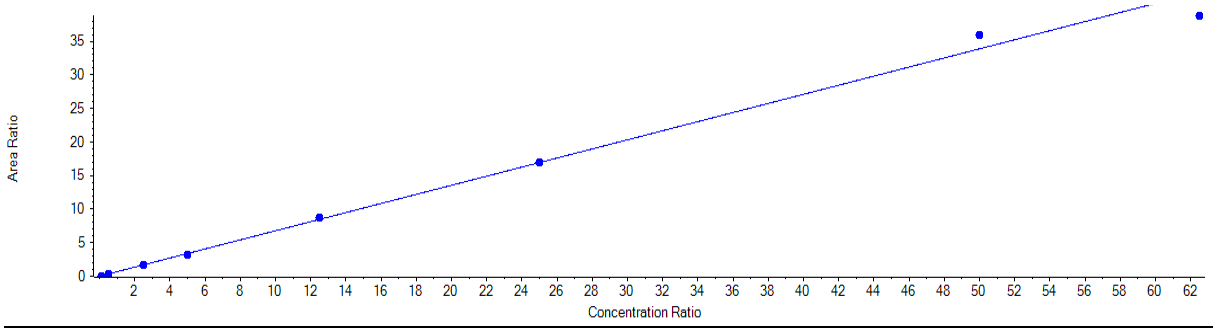
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFNA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	3.70	445800	33037	0.109	109.4	0.926	118	True	0.17
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	3.70	428500	144820	0.499	99.8	0.845	322	True	0.25
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	3.70	472900	760639	2.374	95.0	0.804	702	True	0.24
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	3.69	423600	1353174	4.715	94.3	0.799	868	True	0.23
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	3.72	432000	3800376	12.985	103.9	0.880	1049	True	0.27
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	3.70	442900	7511417	25.032	100.1	0.848	1114	True	0.28
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	3.72	385900	13850342	52.980	106.0	0.897	1083	True	0.25
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	3.70	410600	15926557	57.255	91.6	0.776	1108	True	0.26

Analyte Name: PFNA
Regression Equation: Y = 0.847 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.042 Avg. RF = 0.847 RSD = 6.179 RSE = 6.179
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

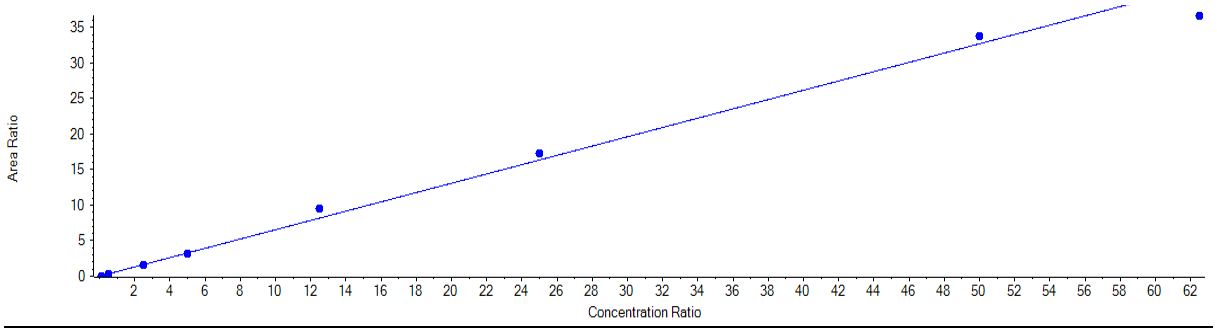
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFDA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	4.10	435400	26778	0.094	94.0	0.769	251	True	0.96
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	4.11	443700	141511	0.487	97.5	0.797	1445	True	1.12
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	4.10	466700	754031	2.468	98.7	0.808	6592	True	1.09
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	4.09	440900	1379816	4.781	95.6	0.782	13843	True	1.32
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	4.12	406300	3842617	14.450	115.6	0.946	11355	True	1.25
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	4.10	403300	6977600	26.432	105.7	0.865	16898	True	0.92
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	4.12	373600	12632641	51.656	103.3	0.845	47375	True	0.97
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	4.11	430100	15768448	56.004	89.6	0.733	23310	True	1.29

Analyte Name: PFDA
Regression Equation: Y = 0.818 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.053 Avg. RF = 0.818 RSD = 8.098 RSE = 8.098
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

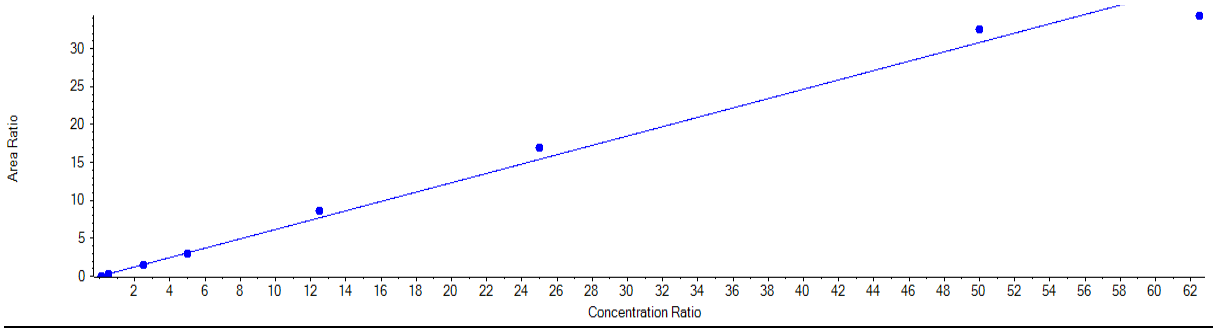
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFUnA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	4.50	399700	22920	0.093	93.0	0.717	280	True	1.30
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	4.50	405800	119080	0.476	95.2	0.734	1361	True	1.28
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	4.50	396200	594204	2.433	97.3	0.750	6946	True	1.36
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	4.49	352000	1071452	4.938	98.8	0.761	6040	True	0.93
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	4.51	380100	3259926	13.913	111.3	0.858	9177	True	1.29
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	4.50	347300	5869750	27.415	109.7	0.845	32732	True	1.15
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	4.51	317400	10335511	52.817	105.6	0.814	16780	True	1.28
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	4.50	338700	11630237	55.698	89.1	0.687	21385	True	0.86

Analyte Name: PFUnA
Regression Equation: Y = 0.771 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.050 Avg. RF = 0.771 RSD = 8.034 RSE = 8.034
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

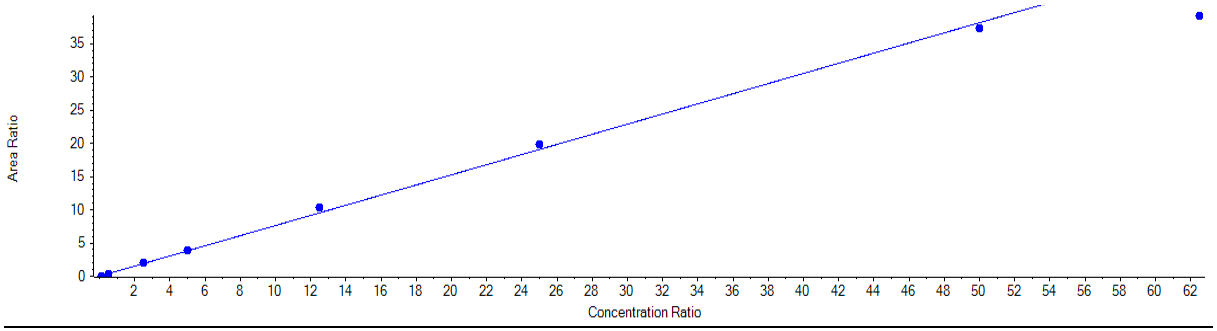
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFDoA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	4.89	313100	24620	0.103	103.0	0.983	313	True	1.12
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	4.89	310500	115030	0.485	97.0	0.926	1484	True	1.11
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	4.89	304600	614697	2.643	105.7	1.009	4887	True	1.15
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	4.88	285100	1112401	5.110	102.2	0.975	14326	True	1.31
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	4.90	312000	3220901	13.521	108.2	1.032	12507	True	0.89
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	4.89	305600	6052061	25.936	103.7	0.990	13401	True	1.03
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	4.90	291000	10887259	48.998	98.0	0.935	14984	True	0.97
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	4.89	319900	12540666	51.350	82.2	0.784	161836	True	1.14

Analyte Name: PFDoA
Regression Equation: Y = 0.954 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.062 Avg. RF = 0.954 RSD = 8.091 RSE = 8.091
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

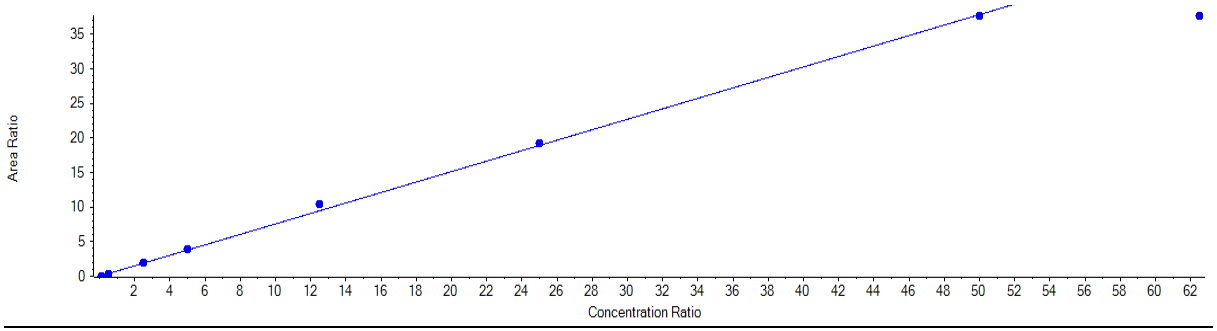
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFTrDA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	5.27	313100	23914	0.101	100.9	0.955	452	True	1.38
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	5.27	310500	114101	0.485	97.1	0.919	1802	True	0.92
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	5.27	304600	619815	2.688	107.5	1.017	2977	True	1.26
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	5.26	285100	1123830	5.206	104.1	0.985	3760	True	1.38
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	5.28	312000	3240288	13.717	109.7	1.039	5296	True	1.08
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	5.27	305600	5881961	25.420	101.7	0.962	7666	True	1.04
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	5.28	291000	10963889	49.759	99.5	0.942	10311	True	1.24
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	5.27	319900	12033694	49.691	79.5	0.752	9690	True	1.34

Analyte Name: PFTrDA
Regression Equation: Y = 0.946 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.070 Avg. RF = 0.946 RSD = 9.263 RSE = 9.263
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

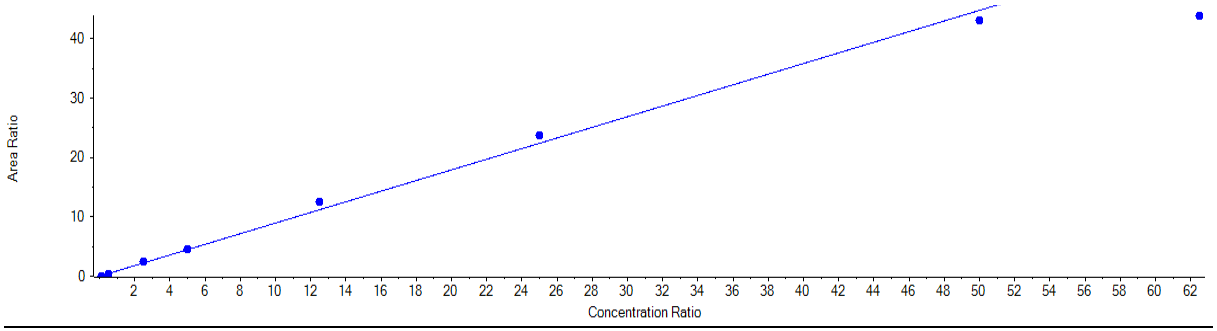
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFTeDA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	5.65	287700	25328	0.098	98.3	1.100	149	True	1.18
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	5.65	270900	119839	0.494	98.8	1.106	812	True	1.35
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	5.65	271800	652233	2.679	107.2	1.200	1689	True	1.29
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	5.64	253200	1169038	5.154	103.1	1.154	2378	True	1.18
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	5.66	264600	3323923	14.019	112.2	1.256	4574	True	1.09
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	5.65	275000	6523121	26.477	105.9	1.186	4431	True	0.94
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	5.66	263800	11385794	48.180	96.4	1.079	6528	True	1.04
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	5.65	298300	13084710	48.965	78.3	0.877	5739	True	1.39

Analyte Name: PFTeDA
Regression Equation: Y = 1.120 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.091 Avg. RF = 1.120 RSD = 10.212 RSE = 10.212
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

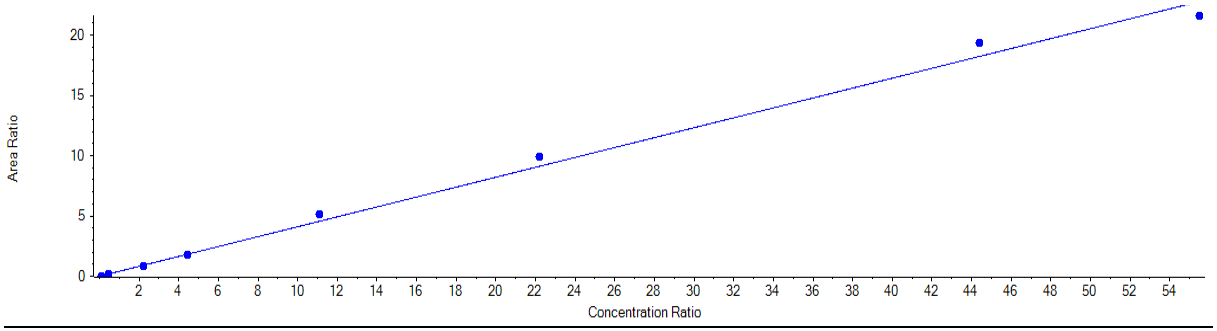
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFBS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	2.16	475800	15509	0.079	89.1	0.853	173	True	0.94
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	2.16	477600	80859	0.412	92.8	0.888	822	True	0.98
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	2.16	498100	439257	2.146	96.7	0.926	2682	True	1.11
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	2.15	441900	790436	4.354	98.1	0.939	3805	True	1.15
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	2.17	430400	2223386	12.575	113.3	1.084	7671	True	1.27
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	2.15	419200	4175695	24.246	109.2	1.045	10906	True	1.09
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	2.17	393600	7612177	47.070	106.0	1.015	16324	True	1.02
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	2.16	416800	9006376	52.595	94.8	0.907	15651	True	1.16

Analyte Name: PFBS
Regression Equation: Y = 0.957 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.035 Avg. RF = 0.957 RSD = 8.529 RSE = 8.529
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

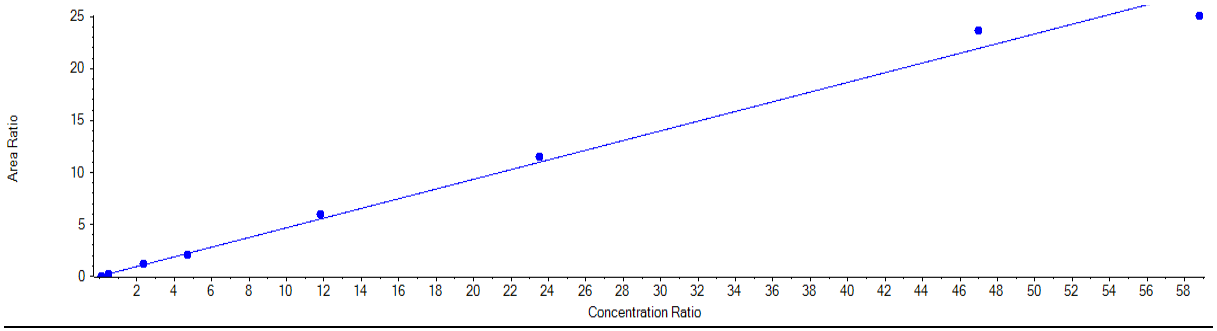
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFPeS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	2.88	408400	16411	0.086	91.6	1.013	174	True	1.51
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	2.88	409100	87081	0.456	97.0	1.073	896	True	1.20
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	2.89	389100	456711	2.514	107.0	1.184	3711	True	1.29
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	2.87	386800	783828	4.339	92.3	1.022	4611	True	1.20
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	2.89	390800	2332904	12.783	108.3	1.199	23434	True	1.61
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	2.88	394200	4530718	24.615	104.8	1.159	9441	True	1.37
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	2.89	360900	8532945	50.637	107.7	1.192	13701	True	1.03
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	2.89	389900	9780856	53.721	91.4	1.011	95734	True	1.08

Analyte Name: PFPeS
Regression Equation: Y = 1.107 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.036 Avg. RF = 1.107 RSD = 7.692 RSE = 7.692
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

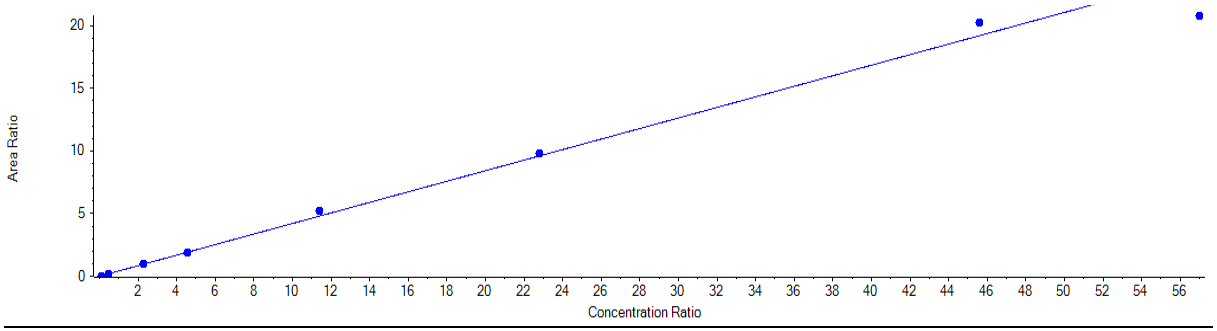
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFHxS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	3.38	408400	16734	0.097	107.0	1.067	160	True	0.24
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	3.39	409100	72922	0.423	92.8	0.926	616	True	0.23
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	3.38	389100	381749	2.330	102.2	1.020	930	True	0.21
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	3.38	386800	715106	4.391	96.3	0.961	1071	True	0.25
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	3.40	390800	2027581	12.322	108.1	1.079	1233	True	0.22
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	3.38	394200	3854309	23.224	101.9	1.016	1085	True	0.25
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	3.40	360900	7288145	47.967	105.2	1.050	1055	True	0.23
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	3.39	389900	8101843	49.352	86.6	0.864	977	True	0.25

Analyte Name: PFHxS
Regression Equation: Y = 0.998 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.032 Avg. RF = 0.998 RSD = 7.503 RSE = 7.503
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

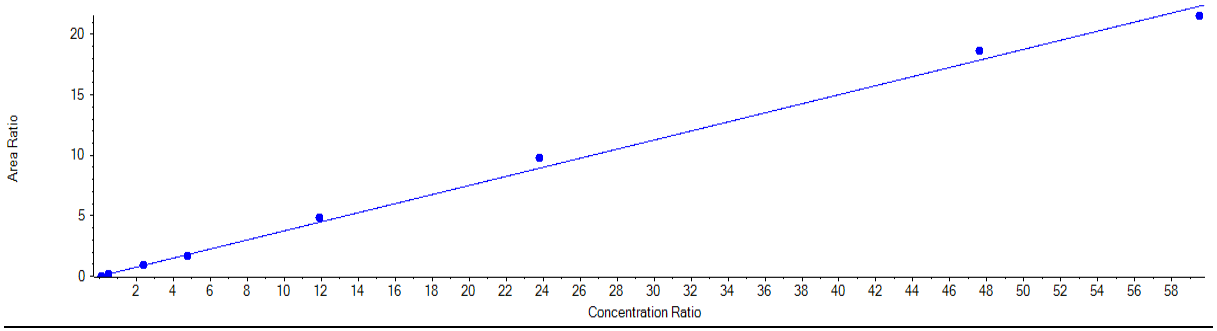
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFHpS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	3.83	408100	14604	0.095	100.3	0.904	149	True	0.77
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	3.83	442500	69380	0.418	87.7	0.791	719	True	1.32
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	3.83	434300	386962	2.374	99.7	0.899	3674	True	1.29
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	3.82	412100	689834	4.458	93.7	0.844	7172	True	1.05
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	3.85	407300	1967722	12.869	108.1	0.974	20534	True	1.18
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	3.83	405200	3971788	26.111	109.7	0.988	7816	True	1.19
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	3.84	380600	7091992	49.633	104.3	0.939	8065	True	1.37
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	3.83	385200	8296229	57.370	96.4	0.869	7635	True	1.01

Analyte Name: PFHpS
Regression Equation: Y = 0.901 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.028 Avg. RF = 0.901 RSD = 7.388 RSE = 7.388
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

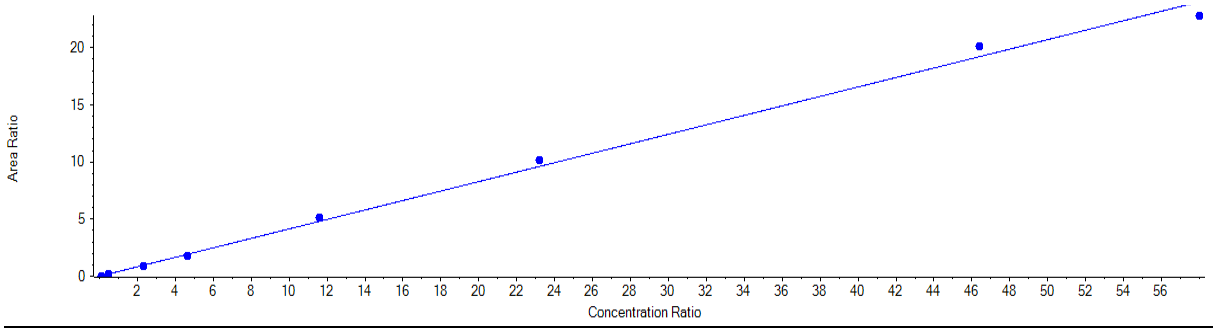
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFOS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	4.25	408100	17089	0.101	108.7	1.081	103	True	0.14
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	4.25	442500	79997	0.436	94.1	0.935	251	True	0.17
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	4.25	434300	397281	2.208	95.2	0.946	441	True	0.17
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	4.24	412100	718399	4.208	90.7	0.902	506	True	0.17
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	4.27	407300	2078822	12.321	106.2	1.056	582	True	0.17
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	4.25	405200	4109334	24.482	105.5	1.049	584	True	0.19
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	4.26	380600	7666167	48.621	104.8	1.042	548	True	0.16
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	4.25	385200	8780381	55.025	94.9	0.943	573	True	0.17

Analyte Name: PFOS
Regression Equation: Y = 0.994 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.029 Avg. RF = 0.994 RSD = 6.959 RSE = 6.959
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

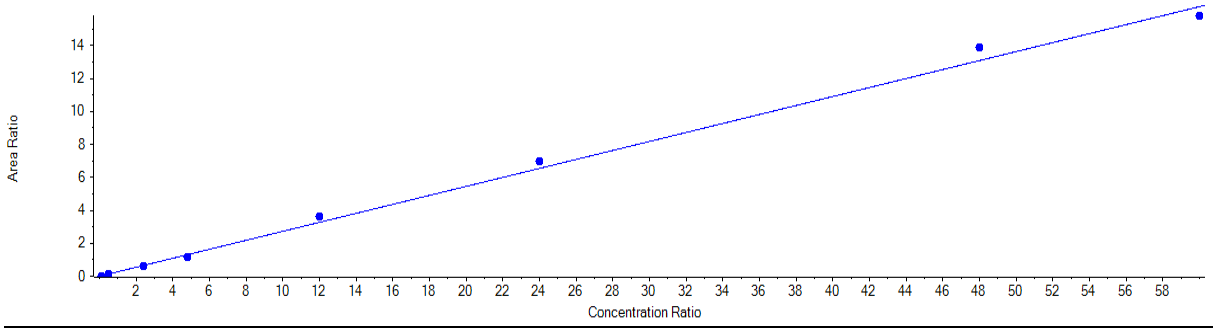
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFNS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	4.66	408100	10424	0.094	97.6	0.639	132	True	1.01
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	4.66	442500	53108	0.440	91.7	0.600	687	True	1.05
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	4.66	434300	278848	2.355	98.1	0.642	3362	True	1.07
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	4.65	412100	492586	4.383	91.3	0.598	4277	True	1.11
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	4.67	407300	1488646	13.404	111.7	0.731	4817	True	1.04
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	4.66	405200	2838748	25.693	107.1	0.701	36012	True	0.98
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	4.67	380600	5278817	50.863	106.0	0.693	5512	True	1.12
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	4.66	385200	6086973	57.951	96.6	0.632	6780	True	1.16

Analyte Name: PFNS
Regression Equation: Y = 0.654 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.020 Avg. RF = 0.654 RSD = 7.442 RSE = 7.442
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

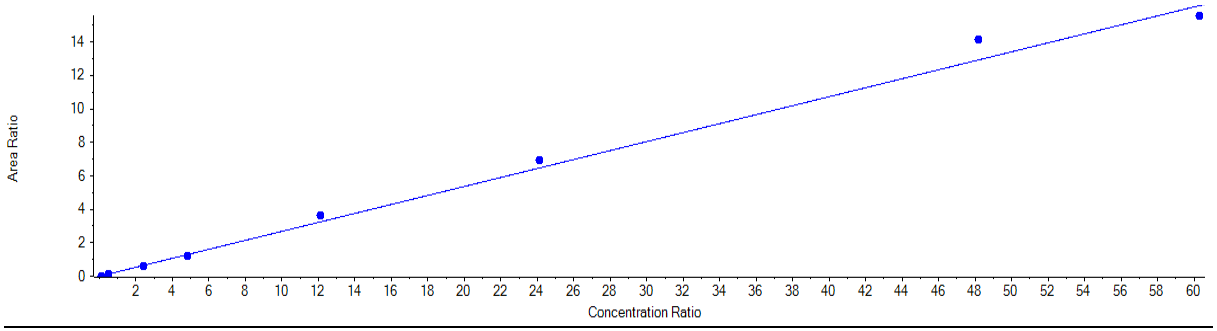
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFDS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	5.05	408100	9729	0.089	92.6	0.596	173	True	1.02
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	5.05	442500	52126	0.439	91.1	0.587	976	True	1.06
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	5.05	434300	277370	2.381	98.8	0.636	3807	True	0.99
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	5.04	412100	497057	4.496	93.3	0.601	5083	True	0.90
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	5.06	407300	1476729	13.515	111.7	0.719	27216	True	1.01
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	5.05	405200	2807815	25.831	107.2	0.690	50396	True	1.34
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	5.06	380600	5374751	52.638	109.2	0.703	96693	True	1.12
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	5.05	385200	5994566	58.010	96.2	0.619	7038	True	1.01

Analyte Name: PFDS
Regression Equation: Y = 0.644 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.022 Avg. RF = 0.644 RSD = 8.185 RSE = 8.185
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

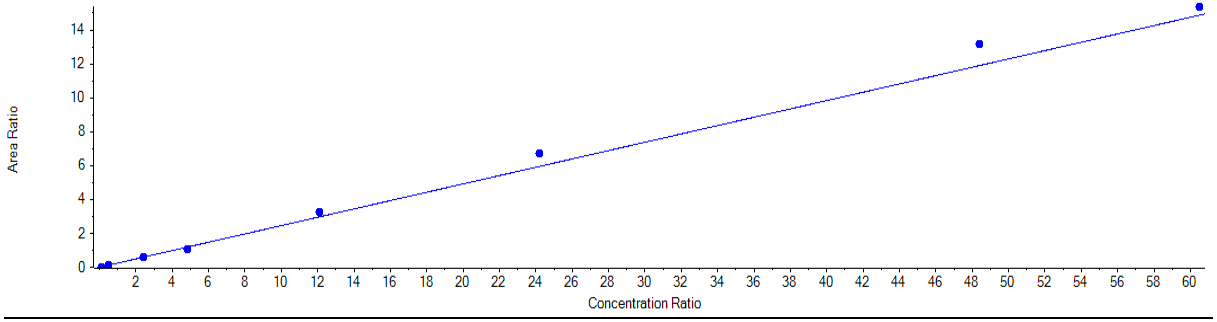
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFDoS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	5.80	408100	8462	0.084	86.9	0.513	288	True	1.06
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	5.81	442500	45592	0.419	86.6	0.511	1514	True	1.17
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	5.80	434300	256721	2.404	99.4	0.586	8386	True	1.17
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	5.79	412100	447632	4.417	91.3	0.539	14801	True	1.09
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	5.81	407300	1324325	13.224	109.3	0.645	13327	True	1.02
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	5.80	405200	2711924	27.222	112.5	0.664	10885	True	0.76
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	5.81	380600	5017886	53.621	110.8	0.654	169888	True	0.97
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	5.81	385200	5918470	62.492	103.3	0.610	10447	True	0.72

Analyte Name: PFDoS
Regression Equation: Y = 0.590 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.026 Avg. RF = 0.590 RSD = 10.670 RSE = 10.670
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

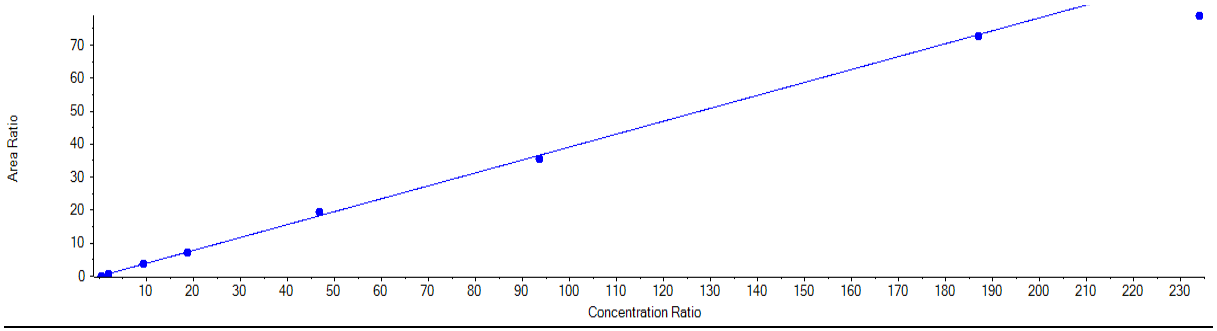
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: 4:2FTS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	1.93	153700	25386	0.422	112.5	2.065	472	True	1.10
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	1.93	159200	112471	1.805	96.5	1.771	2127	True	1.46
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	1.93	143500	562638	10.017	106.9	1.962	8784	True	1.41
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	1.92	138600	975286	17.978	96.1	1.764	9041	True	1.48
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	1.94	139400	2690556	49.330	105.2	1.930	11550	True	1.54
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	1.92	147500	5256678	91.073	97.2	1.784	16249	True	1.11
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	1.94	146100	10626847	185.908	99.4	1.825	14905	True	1.38
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	1.93	155400	12250895	201.511	86.1	1.580	219859	True	1.23

Analyte Name: 4:2FTS
Regression Equation: Y = 1.835 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.032 Avg. RF = 1.835 RSD = 8.102 RSE = 8.102
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

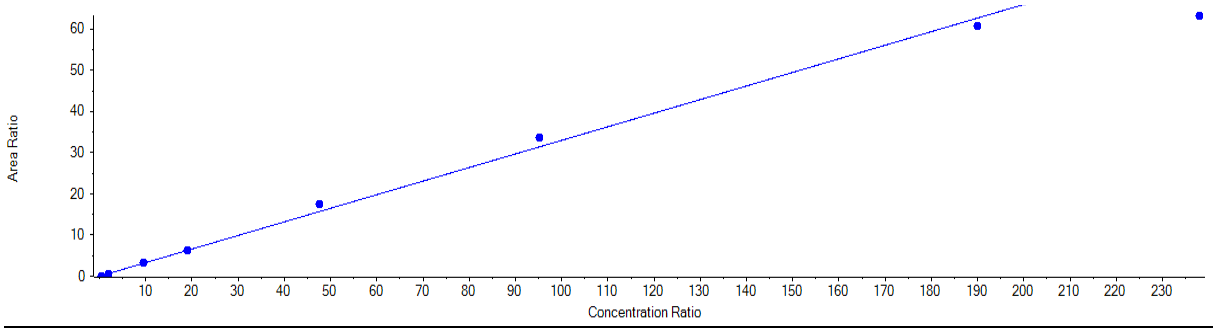
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: 6:2FTS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	3.10	140200	17698	0.383	100.7	1.581	198	True	1.19
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	3.11	136900	82403	1.824	96.0	1.508	947	True	0.94
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	3.11	135300	453397	10.155	106.8	1.677	4411	True	0.99
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	3.10	135700	858068	19.158	100.8	1.584	8962	True	1.49
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	3.12	135200	2370973	53.130	111.6	1.753	14353	True	1.17
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	3.11	135500	4545177	101.621	106.9	1.679	15103	True	1.07
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	3.12	139200	8441130	183.785	96.7	1.519	19111	True	1.44
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	3.11	153100	9683180	191.604	80.5	1.265	15438	True	1.17

Analyte Name: 6:2FTS
Regression Equation: Y = 1.571 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.031 Avg. RF = 1.571 RSD = 9.531 RSE = 9.531
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

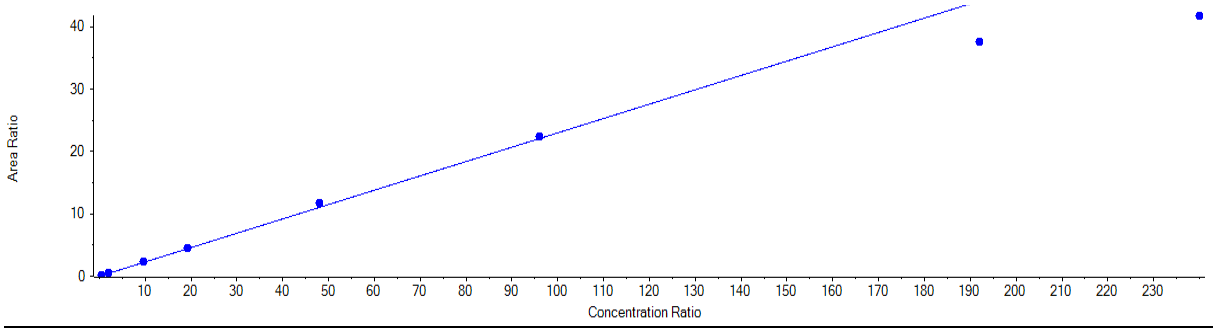
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: 8:2FTS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	3.92	126000	13019	0.449	116.9	1.291	160	True	0.90
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	3.92	115800	54424	2.041	106.3	1.174	575	True	1.17
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	3.92	120900	287373	10.329	107.6	1.189	3121	True	1.10
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	3.91	110000	493181	19.475	101.4	1.121	5153	True	1.35
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	3.94	127300	1485443	50.717	105.7	1.167	15214	True	1.07
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	3.92	125300	2804271	97.249	101.3	1.119	8170	True	0.98
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	3.93	138300	5203269	163.507	85.2	0.941	9628	True	1.14
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	3.92	143800	6008991	181.545	75.6	0.836	10230	True	1.37

Analyte Name: 8:2FTS
Regression Equation: Y = 1.105 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.031 Avg. RF = 1.105 RSD = 13.268 RSE = 13.268
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

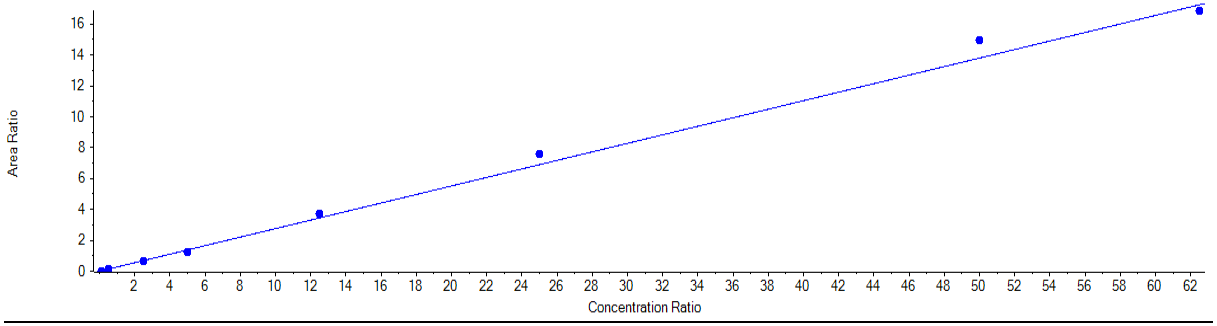
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFOSA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	5.27	733300	20000	0.099	98.8	0.682	267	True	0.18
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	5.27	718000	90659	0.458	91.5	0.631	259	True	0.18
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	5.27	722300	472044	2.368	94.7	0.654	246	True	0.18
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	5.26	668800	832850	4.513	90.3	0.623	249	True	0.18
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	5.28	669000	2498732	13.535	108.3	0.747	287	True	0.17
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	5.27	645300	4907309	27.559	110.2	0.760	254	True	0.17
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	5.28	626600	9373125	54.208	108.4	0.748	235	True	0.19
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	5.27	655900	11053128	61.074	97.7	0.674	225	True	0.19

Analyte Name: PFOSA
Regression Equation: Y = 0.690 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.022 Avg. RF = 0.690 RSD = 7.975 RSE = 7.975
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

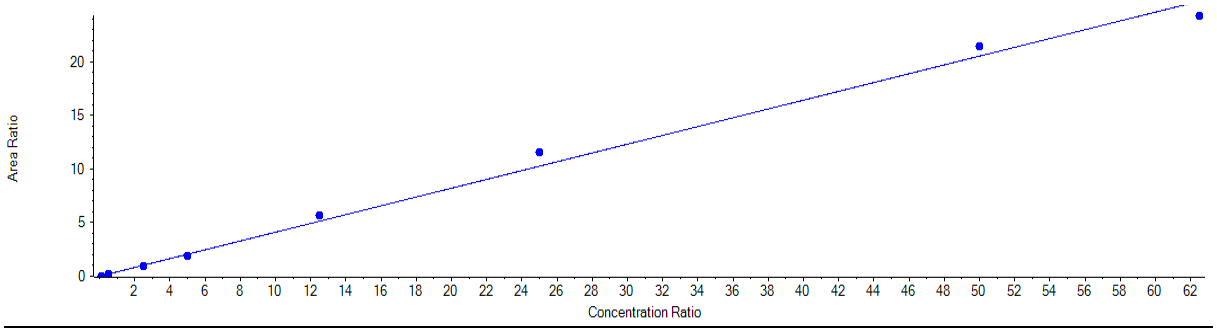
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: NMeFOSA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	5.98	97650	3847	0.096	95.8	0.985	75	True	0.25
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	5.98	100800	19768	0.477	95.4	0.980	218	True	0.20
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	5.98	105200	102469	2.369	94.8	0.974	289	True	0.20
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	5.97	98040	184746	4.583	91.7	0.942	288	True	0.20
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	5.99	96600	550510	13.862	110.9	1.140	280	True	0.20
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	5.98	97370	1125025	28.106	112.4	1.155	284	True	0.17
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	5.99	100600	2159783	52.205	104.4	1.073	325	True	0.20
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	5.99	104900	2551488	59.146	94.6	0.973	288	True	0.18

Analyte Name: NMeFOSA
Regression Equation: Y = 1.028 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.033 Avg. RF = 1.028 RSD = 8.079 RSE = 8.079
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

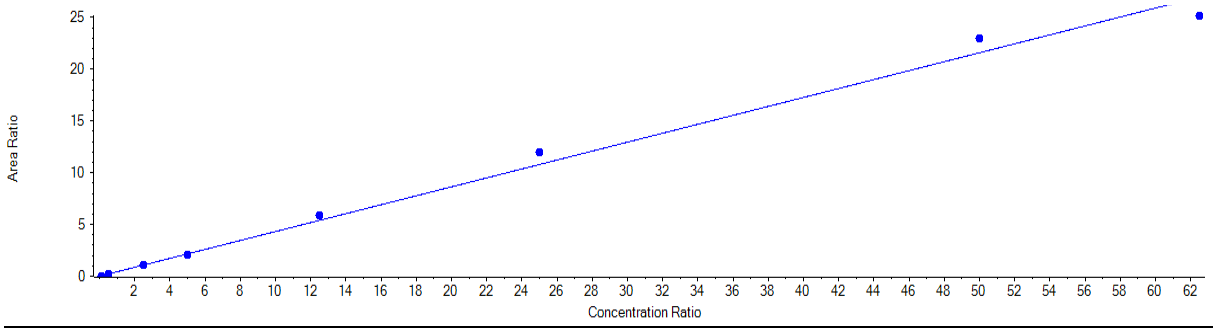
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: NEtFOSA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	6.26	89470	3337	0.086	86.4	0.932	86	True	0.16
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	6.26	93550	19702	0.488	97.5	1.053	357	True	0.17
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	6.27	94180	102484	2.520	100.8	1.088	718	True	0.18
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	6.26	91440	187317	4.744	94.9	1.024	800	True	0.19
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	6.28	90440	536594	13.739	109.9	1.187	1130	True	0.19
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	6.26	91280	1090896	27.675	110.7	1.195	1031	True	0.21
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	6.28	92800	2136520	53.311	106.6	1.151	1131	True	0.20
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	6.27	102200	2571867	58.256	93.2	1.006	1168	True	0.18

Analyte Name: NEtFOSA
Regression Equation: Y = 1.080 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.037 Avg. RF = 1.080 RSD = 8.635 RSE = 8.635
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

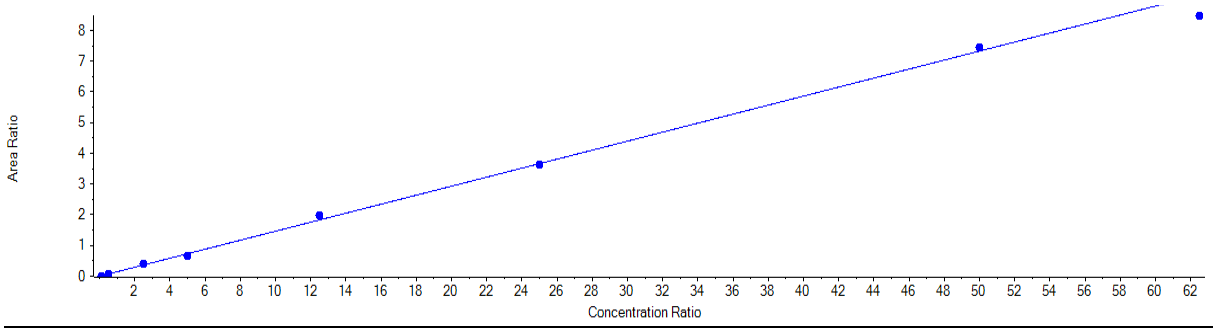
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: NMeFOSAA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	4.19	179300	2566	0.098	97.7	0.716	25	True	1.07
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	4.19	187300	13977	0.509	101.8	0.746	119	True	0.26
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	4.19	180800	72561	2.738	109.5	0.803	590	True	0.30
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	4.18	190200	125724	4.510	90.2	0.661	390	True	0.26
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	4.21	207400	409413	13.462	107.7	0.789	571	True	0.29
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	4.19	240500	870588	24.694	98.8	0.724	969	True	0.28
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	4.20	244500	1825395	50.923	101.9	0.747	938	True	0.27
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	4.19	257700	2184229	57.821	92.5	0.678	934	True	0.24

Analyte Name: NMeFOSAA
Regression Equation: Y = 0.733 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.010 Avg. RF = 0.733 RSD = 6.717 RSE = 6.717
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

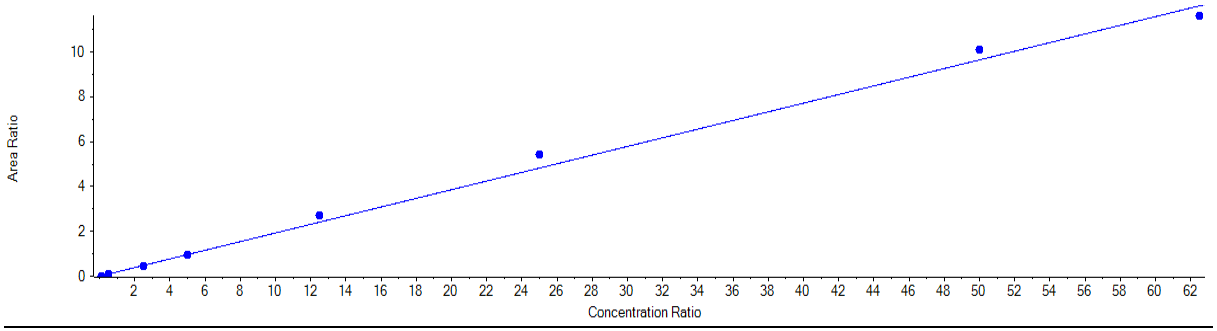
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: NEtFOSAA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	4.39	201900	3582	0.092	92.0	0.887	32	True	0.25
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	4.39	220800	18547	0.435	87.1	0.840	179	True	1.41
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	4.39	199900	94437	2.449	98.0	0.945	535	True	1.12
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	4.38	196600	185356	4.886	97.7	0.943	602	True	1.09
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	4.40	203400	547430	13.950	111.6	1.077	880	True	0.95
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	4.39	200000	1084897	28.118	112.5	1.085	787	True	1.48
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	4.40	193500	1959543	52.481	105.0	1.013	797	True	0.99
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	4.39	203800	2366612	60.180	96.3	0.929	755	True	1.15

Analyte Name: NEtFOSAA
Regression Equation: Y = 0.965 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.017 Avg. RF = 0.965 RSD = 9.026 RSE = 9.026
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

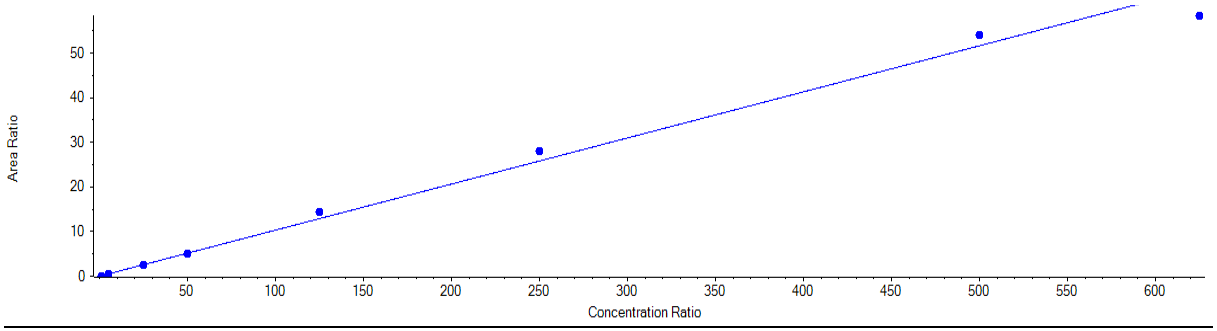
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: NMeFOSE

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	5.85	1276000	123061	0.933	93.3	2.411	144	True	0.21
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	5.85	1150000	562629	4.736	94.7	2.447	236	True	0.16
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	5.85	1174000	3075312	25.353	101.4	2.620	236	True	0.17
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	5.84	1095000	5458640	48.260	96.5	2.493	231	True	0.16
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	5.86	1147000	16407618	138.462	110.8	2.862	246	True	0.17
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	5.85	1199000	33544675	270.712	108.3	2.797	224	True	0.20
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	5.86	1155000	62433418	523.040	104.6	2.702	230	True	0.17
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	5.86	1271000	74197675	564.858	90.4	2.335	214	True	0.19

Analyte Name: NMeFOSE
Regression Equation: Y = 2.583 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.008 Avg. RF = 2.583 RSD = 7.418 RSE = 7.418
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

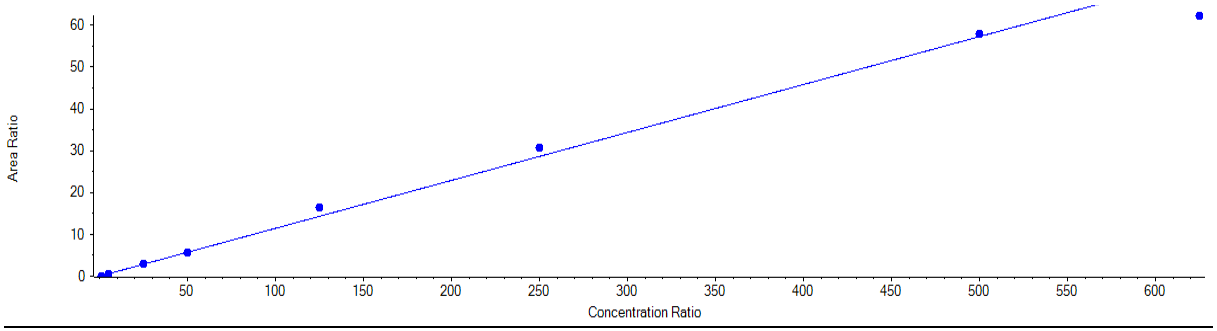
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: NEtFOSE

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	6.14	1759000	194387	0.965	96.5	2.763	143	True	0.16
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	6.14	1733000	944973	4.759	95.2	2.726	237	True	0.17
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	6.14	1748000	5137152	25.655	102.6	2.939	472	True	0.18
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	6.13	1669000	9239121	48.327	96.7	2.768	467	True	0.18
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	6.15	1597000	26047831	142.417	113.9	3.263	451	True	0.18
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	6.13	1756000	53763421	267.273	106.9	3.062	392	True	0.16
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	6.15	1619000	93921094	506.512	101.3	2.901	423	True	0.18
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	6.15	1821000	113319505	543.271	86.9	2.489	406	True	0.16

Analyte Name: NEtFOSE
Regression Equation: Y = 2.864 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.009 Avg. RF = 2.864 RSD = 8.179 RSE = 8.179
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

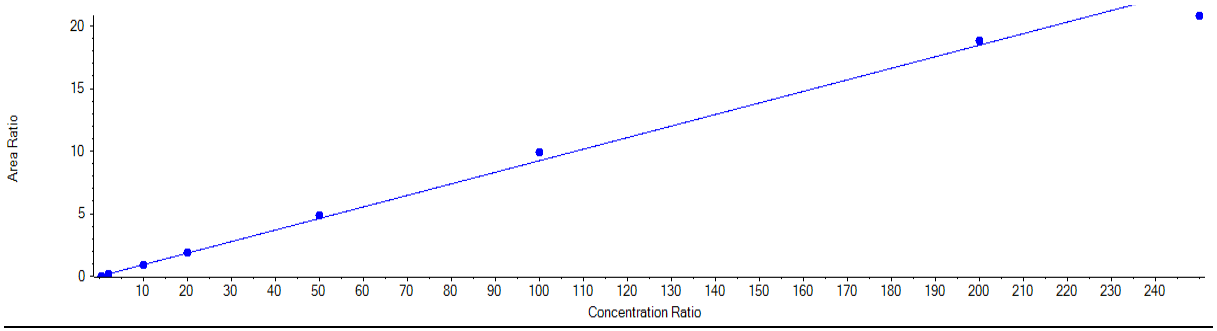
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: HFPO-DA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	2.43	1331000	44270	0.360	90.1	0.832	480	True	1.49
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	2.43	1283000	239615	2.022	101.1	0.934	2567	True	1.52
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	2.43	1351000	1256075	10.063	100.6	0.929	13895	True	1.35
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	2.42	1239000	2355007	20.588	102.9	0.951	8318	True	1.13
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	2.44	1394000	6832739	53.084	106.2	0.981	8608	True	0.90
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	2.43	1389000	13705845	106.876	106.9	0.987	153720	True	1.10
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	2.44	1406000	26503272	204.138	102.1	0.943	7975	True	1.12
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	2.43	1538000	32020843	225.358	90.1	0.833	297456	True	1.08

Analyte Name: HFPO-DA
Regression Equation: Y = 0.924 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.006 Avg. RF = 0.924 RSD = 6.504 RSE = 6.504
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

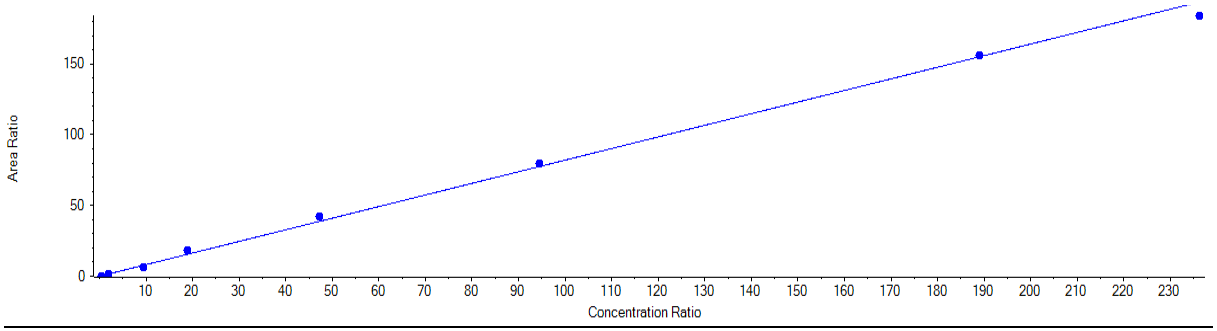
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: ADONA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	2.99	303400	97044	0.390	103.1	2.116	1066	True	1.21
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	3.00	297200	398331	1.633	86.4	1.773	2848	True	1.35
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	3.00	330300	2127891	7.850	83.1	1.704	5397	True	1.43
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	2.99	311300	5804234	22.717	120.2	2.466	6844	True	1.39
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	3.01	312000	13176697	51.459	108.9	2.235	121985	True	1.06
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	3.00	320100	25503901	97.068	102.7	2.108	68105	True	1.02
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	3.01	336400	52530566	190.263	100.7	2.066	63347	True	1.19
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	3.00	363400	66885676	224.264	94.9	1.948	40302	True	1.10

Analyte Name: ADONA
Regression Equation: Y = 2.052 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.098 Avg. RF = 2.052 RSD = 11.963 RSE = 11.963
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

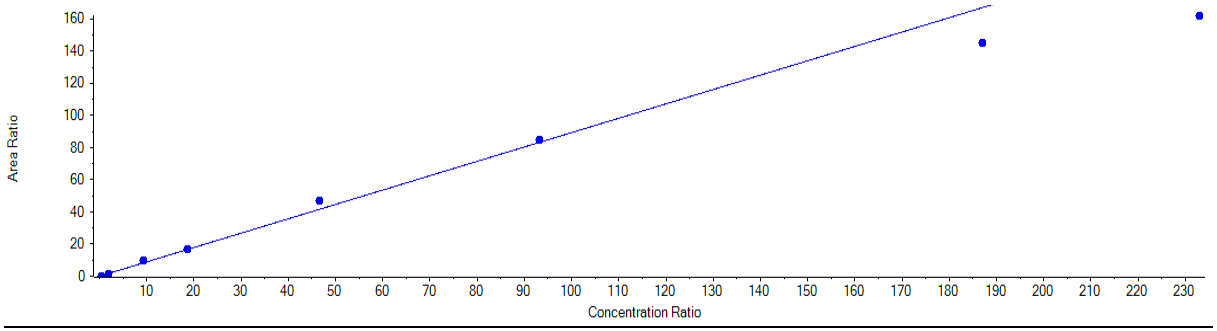
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: 9Cl-PF3ONS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	4.53	408100	138518	0.380	101.8	2.184	1642	True	1.22
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	4.53	442500	767235	1.941	103.8	2.225	4584	True	1.18
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	4.53	434300	4130104	10.644	114.1	2.446	10104	True	1.19
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	4.52	412100	6950757	18.874	100.9	2.164	80119	True	1.31
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	4.54	407300	19236966	52.858	113.2	2.427	215492	True	1.18
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	4.53	405200	34359494	94.903	101.7	2.181	10992	True	1.07
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	4.54	380600	55132596	162.109	86.7	1.859	326637	True	1.22
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	4.53	385200	62392737	181.273	77.8	1.668	649421	True	1.30

Analyte Name: 9Cl-PF3ONS
Regression Equation: Y = 2.145 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.110 Avg. RF = 2.145 RSD = 12.326 RSE = 12.326
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

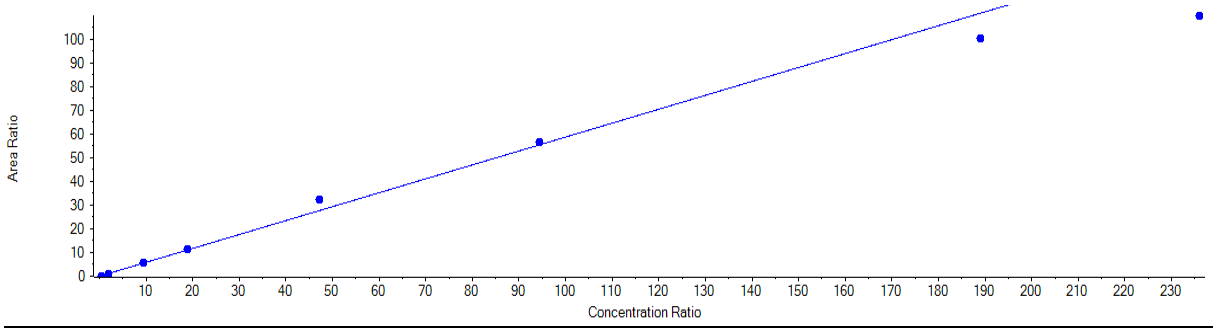
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: 11Cl-PF3OUdS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	5.31	408100	94459	0.394	104.5	1.473	2093	True	0.97
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	5.32	442500	488987	1.880	99.5	1.403	10245	True	1.12
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	5.32	434300	2542854	9.963	105.7	1.490	7522	True	0.99
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	5.30	412100	4699795	19.403	102.7	1.448	110581	True	1.18
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	5.32	407300	13086369	54.670	115.8	1.634	12690	True	1.12
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	5.31	405200	22904661	96.187	102.0	1.439	487241	True	1.35
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	5.33	380600	38315373	171.291	90.6	1.278	15051	True	1.27
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	5.32	385200	42353737	187.091	79.3	1.118	849115	True	1.02

Analyte Name: 11Cl-PF3OUdS
Regression Equation: Y = 1.410 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.064 Avg. RF = 1.410 RSD = 10.895 RSE = 10.895
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

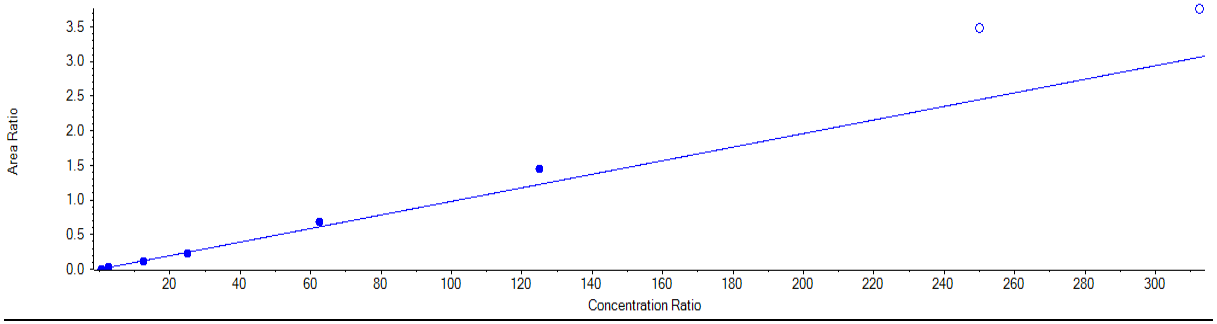
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: 3:3FTCA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	1.71	1169000	4896	0.427	85.4	0.042	41	True	0.97
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	1.71	1175000	28758	2.498	99.9	0.049	198	True	1.21
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	1.71	1157000	133431	11.767	94.1	0.046	1061	True	1.21
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	1.70	1140000	252674	22.602	90.4	0.044	1946	True	1.57
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	1.72	1072000	736159	70.052	112.1	0.055	3364	True	1.27
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	1.70	1056000	1527841	147.571	118.1	0.058	2834	True	1.41
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	1.73	958800	3347004	356.113	142.5	0.070	3662	False	1.52
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	1.71	1011000	3802191	383.761	122.8	0.060	2723	False	1.42

Analyte Name: 3:3FTCA
Regression Equation: Y = 0.049 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.001 Avg. RF = 0.049 RSD = 12.737 RSE = 12.737
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

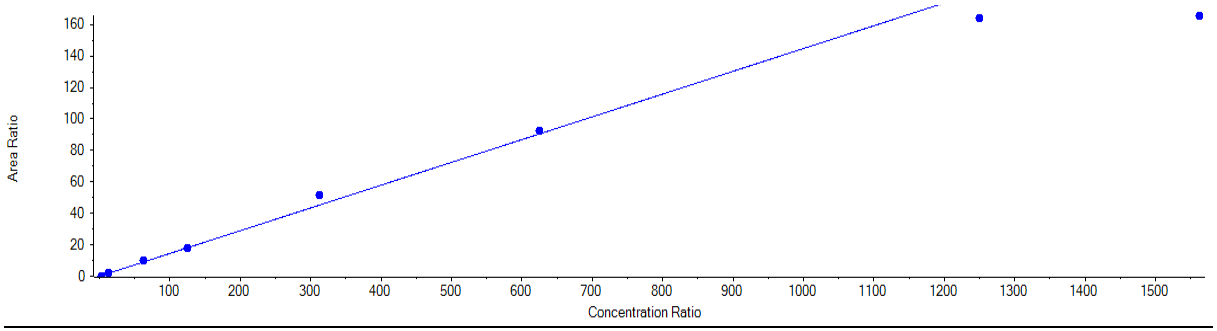
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: 5:3FTCA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	3.23	498300	175039	2.426	97.0	0.351	1881	True	1.46
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	3.23	466500	915404	13.552	108.4	0.392	10019	True	1.31
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	3.23	472200	4862602	71.109	113.8	0.412	7647	True	1.27
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	3.22	458800	8345090	125.605	100.5	0.364	87472	True	1.12
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	3.24	458600	23751302	357.682	114.5	0.414	68836	True	1.08
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	3.23	461800	42544435	636.261	101.8	0.369	62705	True	1.07
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	3.25	448200	73713430	1135.706	90.9	0.329	132127	True	1.34
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	3.24	487400	80705017	1143.461	73.2	0.265	58290	True	1.19

Analyte Name: 5:3FTCA
Regression Equation: Y = 0.362 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.020 Avg. RF = 0.362 RSD = 13.547 RSE = 13.547
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

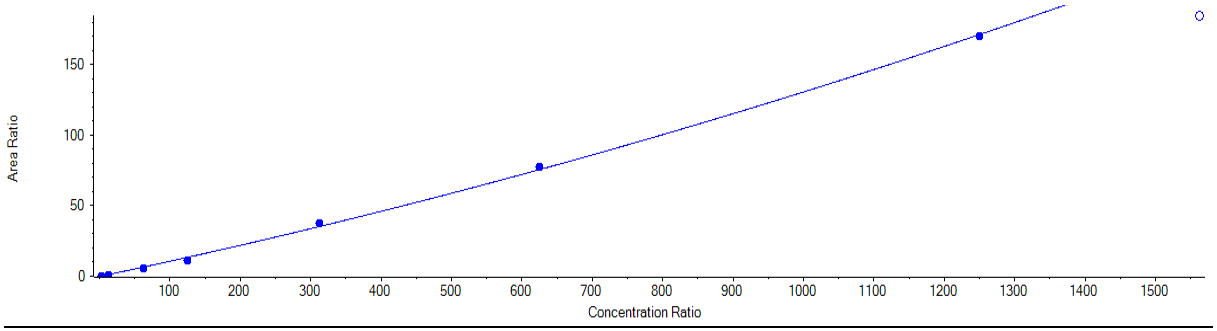
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: 7:3FTCA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	4.17	445800	85928	3.244	129.8	0.096	1030	True	1.07
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	4.18	428500	456192	11.497	92.0	0.106	5693	True	1.30
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	4.18	472900	2560481	52.193	83.5	0.108	32185	True	1.31
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	4.17	423600	4874910	107.915	86.3	0.115	62362	True	1.07
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	4.19	432000	16393918	334.715	107.1	0.152	136239	True	1.24
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	4.18	442900	34179466	636.144	101.8	0.154	58947	True	1.14
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	4.19	385900	65688882	1242.925	99.4	0.170	26930	True	1.03
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	4.18	410600	75842820	1327.593	85.0	0.148	29765	False	1.40

Analyte Name: 7:3FTCA
Regression Equation: Y = 0.129 x (r = 0.9990 r^2 = 0.9979) (Weighting: 1/X)
STD Dev. = 0.023 Avg. RF = 0.129 RSD = 22.516 RSE = 19.127
Calibration type: Quadratic



Initial Calibration Report

SCIEX OS Version 3.3.1.43

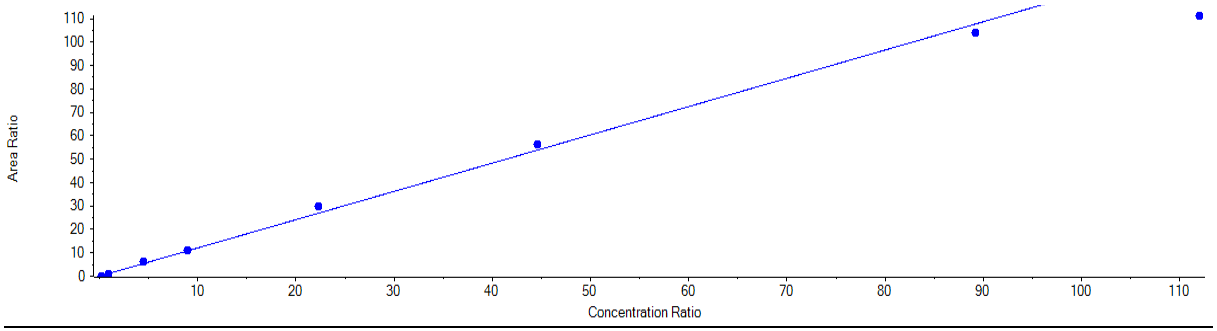
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFEESA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	2.53	498300	96385	0.160	89.9	2.717	1001	True	1.06
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	2.53	466500	492087	0.873	97.9	2.957	3146	True	1.10
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	2.53	472200	2972420	5.210	116.8	3.528	34753	True	1.91
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	2.52	458800	4975783	8.976	100.6	3.040	52530	True	1.32
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	2.54	458600	13740865	24.802	111.2	3.359	146721	True	0.99
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	2.52	461800	26041769	46.679	104.7	3.161	273252	True	1.08
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	2.54	448200	46680617	86.202	96.6	2.919	125459	True	1.17
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	2.53	487400	54220696	92.076	82.2	2.483	446523	True	1.10

Analyte Name: PFEESA
Regression Equation: Y = 3.020 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.134 Avg. RF = 3.020 RSD = 11.110 RSE = 11.110
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

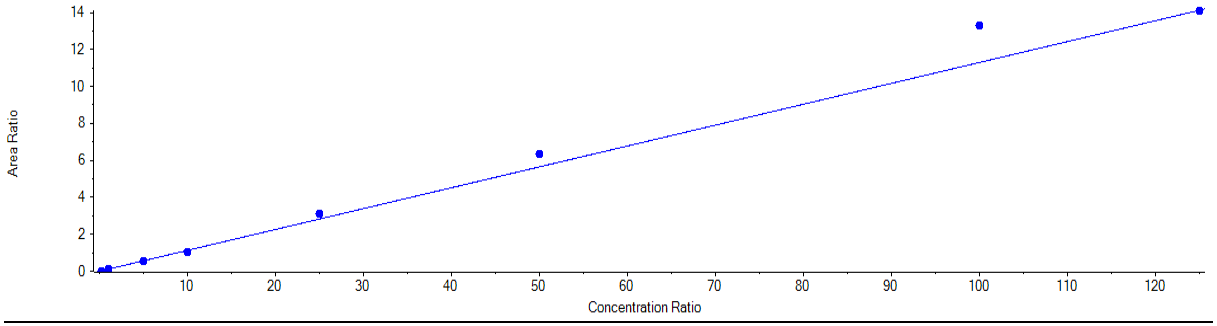
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFMPA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	0.84	2509000	49775	0.176	87.8	0.992	1583	True	1.40
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	0.84	2516000	251731	0.885	88.6	1.001	6606	True	1.36
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	0.84	2575000	1342999	4.616	92.3	1.043	13841	True	1.30
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	0.82	2383000	2434191	9.041	90.4	1.022	14267	True	1.40
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	0.85	2199000	6886485	27.717	110.9	1.253	24187	True	1.63
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	0.83	2022000	12856153	56.270	112.5	1.272	27672	True	1.51
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	0.85	1765000	23491584	117.768	117.8	1.331	33096	True	1.33
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	0.83	1839000	25918452	124.721	99.8	1.127	27587	True	1.14

Analyte Name: PFMPA
Regression Equation: Y = 1.130 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.014 Avg. RF = 1.130 RSD = 12.087 RSE = 12.087
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

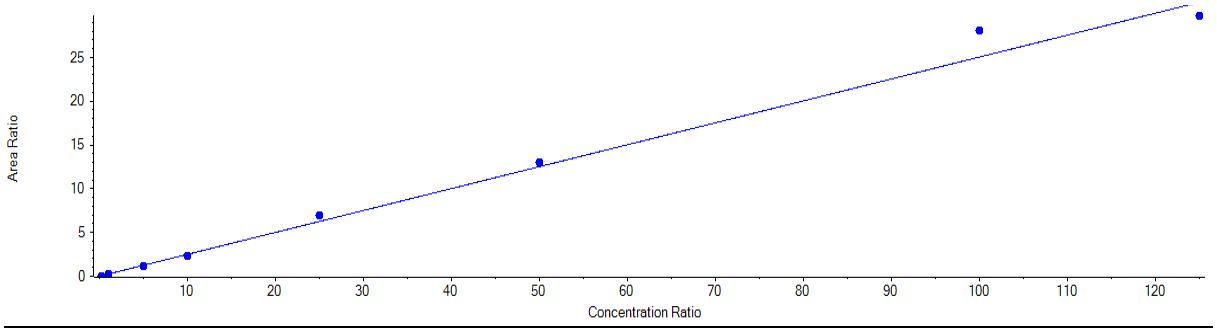
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: PFMBA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	1.64	1169000	53581	0.183	91.4	1.145	1379	True	1.07
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	1.64	1175000	279943	0.951	95.1	1.192	7271	True	1.49
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	1.64	1157000	1407721	4.858	97.2	1.217	37441	True	1.35
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	1.62	1140000	2675738	9.366	93.7	1.173	23827	True	1.32
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	1.65	1072000	7492130	27.897	111.6	1.398	76317	True	1.33
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	1.63	1056000	13775165	52.063	104.1	1.304	45284	True	1.35
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	1.65	958800	26869875	111.869	111.9	1.401	75411	True	1.11
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	1.64	1011000	30074560	118.779	95.0	1.190	53041	True	1.18

Analyte Name: PFMBA
Regression Equation: Y = 1.253 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.020 Avg. RF = 1.253 RSD = 8.126 RSE = 8.126
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

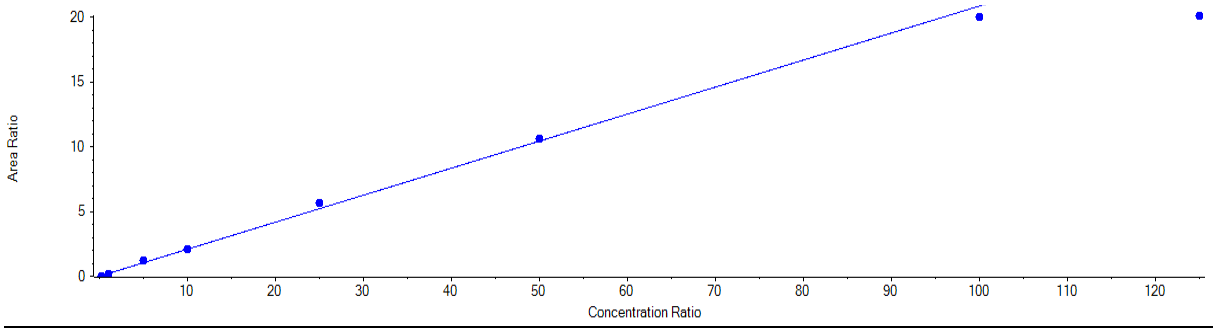
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: NFDHA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	2.08	498300	19995	0.192	96.1	0.502	257	True	1.39
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	2.08	466500	99719	1.024	102.4	0.534	1280	True	1.17
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	2.08	472200	575666	5.841	116.8	0.610	6981	True	0.89
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	2.06	458800	967647	10.105	101.1	0.527	8137	True	1.29
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	2.09	458600	2597670	27.141	108.6	0.566	15071	True	0.99
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	2.07	461800	4920969	51.059	102.1	0.533	10206	True	1.21
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	2.09	448200	8965475	95.835	95.8	0.500	13695	True	1.16
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	2.08	487400	9801386	96.347	77.1	0.402	123071	True	1.33

Analyte Name: NFDHA
Regression Equation: Y = 0.522 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.024 Avg. RF = 0.522 RSD = 11.497 RSE = 11.497
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

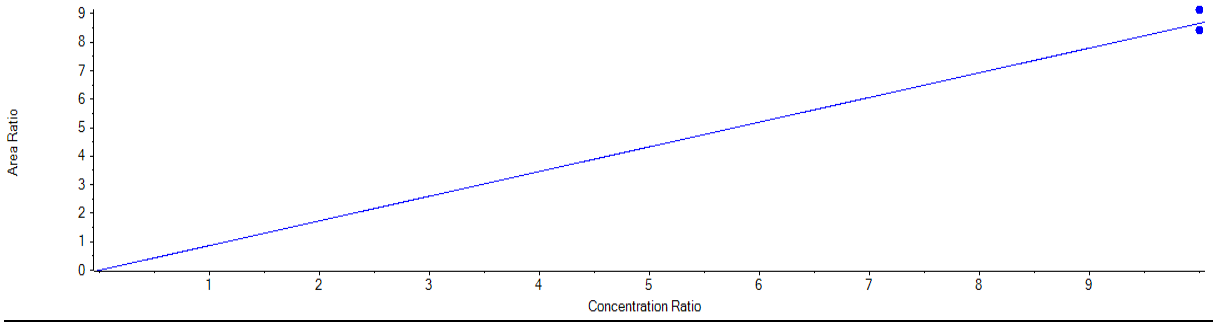
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: TDCA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	2.96	408100	3442872	9.742	97.4	2.024	19424	True	1.11
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	N/A	442500	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	N/A	434300	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	2.96	412100	3464977	9.710	97.1	2.018	14614	True	1.20
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	N/A	407300	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	N/A	405200	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	N/A	380600	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	2.97	385200	3518003	10.548	105.5	2.192	12026	True	1.04

Analyte Name: TDCA
Regression Equation: Y = 2.078 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.041 Avg. RF = 2.078 RSD = 4.749 RSE = 0.000
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

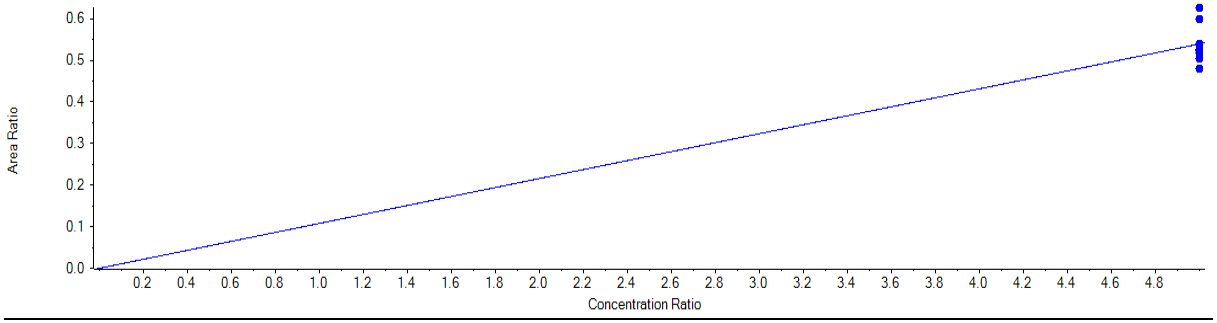
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: 13C2D4-4:2FTS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	1.92	336100	210461	5.804	116.1	0.297	4086	True	1.52
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	1.92	336400	175674	4.841	96.8	0.248	3315	True	1.00
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	1.92	359800	186110	4.795	95.9	0.245	3541	True	1.32
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	1.91	302400	181463	5.563	111.3	0.284	3499	True	1.37
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	1.93	343700	165231	4.457	89.1	0.228	3016	True	1.53
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	1.91	337100	181413	4.990	99.8	0.255	3552	True	1.46
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	1.93	334700	176322	4.884	97.7	0.250	3319	True	1.34
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	1.92	329700	165946	4.667	93.3	0.239	3159	True	1.11

Analyte Name: 13C2D4-4:2FTS
Regression Equation: Y = 0.256 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.010 Avg. RF = 0.256 RSD = 9.105 RSE = 0.000
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

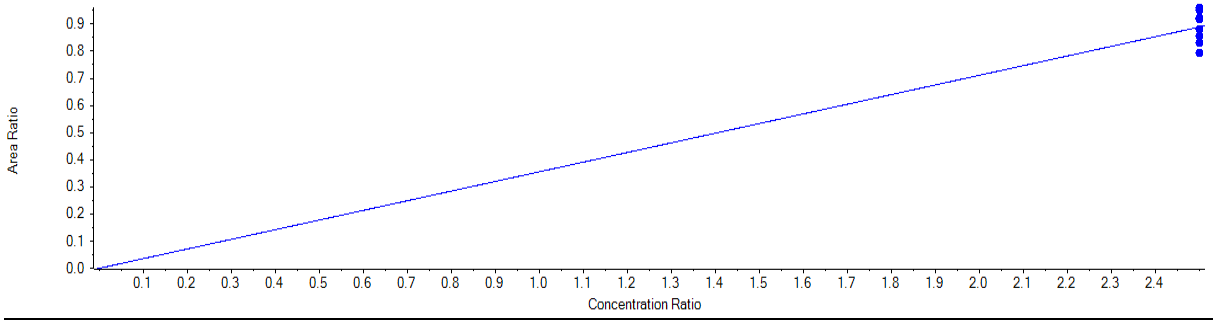
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241115_EPA1633_ICAL

Compound Name: 13C2-PFOA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_241115_07.wiff2	IA1633STD-0.1	11/15/2024 1:00:30 PM	3.28	414200	397526	2.699	107.9	0.960	4707	True	1.14
SCI05_241115_09.wiff2	IA1633STD-0.5	11/15/2024 1:18:31 PM	3.28	400500	352494	2.475	99.0	0.880	4343	True	1.06
SCI05_241115_10.wiff2	IA1633STD-2.5	11/15/2024 1:27:31 PM	3.28	441900	378566	2.409	96.4	0.857	3954	True	0.98
SCI05_241115_11.wiff2	IA1633STD-5.0	11/15/2024 1:36:33 PM	3.27	397700	367317	2.597	103.9	0.924	3727	True	1.28
SCI05_241115_12.wiff2	IA1633STD-12.5	11/15/2024 1:45:33 PM	3.29	431400	342711	2.234	89.4	0.794	3970	True	1.35
SCI05_241115_13.wiff2	IA1633STD-25	11/15/2024 1:54:34 PM	3.28	452300	429782	2.672	106.9	0.950	5156	True	1.27
SCI05_241115_14.wiff2	IA1633STD-50	11/15/2024 2:03:36 PM	3.29	456700	418488	2.576	103.1	0.916	4076	True	1.05
SCI05_241115_15.wiff2	IA1633STD-62.5	11/15/2024 2:12:38 PM	3.28	470700	391536	2.339	93.6	0.832	4169	True	1.21

Analyte Name: 13C2-PFOA
Regression Equation: Y = 0.889 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.023 Avg. RF = 0.889 RSD = 6.589 RSE = 0.000
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Type	Name	IA1633FSTD-.1	IA1633FSTD-.2	IA1633FSTD-.5	IA1633FSTD-2.5	IA1633FSTD-5	IA1633FSTD-12.5	IA1633FSTD-25	IA1633FSTD-50	IA1633FSTD-62.5	AVG RF	RSD
EIS	13C4-PFBA	1.142		1.113	1.123	1.21	1.095	1.109	1.082	1.12	1.124	3.468
EIS	13C5-PFPeA	0.918		0.883	0.811	0.897	0.778	0.796	0.784	0.785	0.832	6.923
EIS	13C5-PFHxA	0.782		0.702	0.662	0.722	0.666	0.696	0.733	0.757	0.715	5.886
EIS	13C4-PFHpA	0.476		0.447	0.463	0.49	0.453	0.483	0.55	0.565	0.491	8.921
EIS	13C8-PFOA	2.71		2.764	2.582	2.775	2.54	2.446	2.231	2.262	2.539	8.389
EIS	13C9-PFNA	1.177		1.119	1.163	1.203	1.031	1.138	1.012	1.022	1.108	6.856
EIS	13C6-PFDA	1.046		1.112	1.033	1.214	1.008	1.06	1.037	1.092	1.075	6.065
EIS	13C7-PFUnA	0.96		1.018	0.877	0.969	0.943	0.913	0.881	0.86	0.928	5.854
EIS	13C2-PFDoA	0.752		0.779	0.674	0.785	0.774	0.803	0.808	0.812	0.773	5.792
EIS	13C2-PFTeDA	0.691		0.679	0.601	0.697	0.657	0.723	0.732	0.757	0.692	7.005
EIS	13C3-PFBS	1.44		1.444	1.408	1.486	1.274	1.265	1.196	1.286	1.350	7.899
EIS	13C3-PFHxS	1.215		1.216	1.081	1.279	1.137	1.169	1.078	1.183	1.170	5.921
EIS	13C8-PFOS	1.393		1.44	1.386	1.591	1.35	1.333	1.323	1.239	1.382	7.462
EIS	13C2-4:2FTS	0.231		0.239	0.202	0.232	0.205	0.221	0.221	0.238	0.224	6.386
EIS	13C2-6:2FTS	0.208		0.203	0.187	0.223	0.196	0.2	0.207	0.231	0.207	6.937
EIS	13C2-8:2FTS	0.185		0.17	0.166	0.18	0.183	0.184	0.204	0.215	0.186	8.879
EIS	13C8-PFOSA	2.402		2.243	2.214	2.478	2.129	2.038	2.091	2.025	2.203	7.556
EIS	d3-NMeFOSA	0.32		0.315	0.322	0.363	0.307	0.308	0.336	0.324	0.324	5.62
EIS	d5-NEtFOSA	0.293		0.292	0.289	0.339	0.288	0.288	0.31	0.316	0.302	6.063
EIS	d3-NMeFOSAA	0.294		0.293	0.277	0.352	0.33	0.38	0.408	0.398	0.341	14.913
EIS	d5-NEtFOSAA	0.331		0.345	0.306	0.364	0.324	0.316	0.323	0.315	0.328	5.709
EIS	d7-NMeFOSE	0.418		0.359	0.36	0.406	0.365	0.379	0.385	0.393	0.383	5.658
EIS	d9-NEtFOSE	0.576		0.541	0.536	0.618	0.508	0.555	0.54	0.562	0.555	5.9
EIS	13C3-HFPO-DA	0.522		0.482	0.474	0.487	0.506	0.523	0.575	0.598	0.521	8.559
NIS	13C3-PFBA	1.111		1.143	1.159	0.996	1.015	0.921	0.825	0.83	1.000	13.316
NIS	13C2-PFHxA	0.97		1.012	1.085	0.967	1.048	1.009	0.93	0.979	1.000	4.939
NIS	13C4-PFOA	0.956		0.925	1.02	0.918	0.996	1.044	1.054	1.087	1.000	6.226
NIS	13C5-PFNA	0.974		0.984	1.045	0.906	1.077	1.001	0.981	1.033	1.000	5.25
NIS	13C2-PFDA	1.051		1.007	1.141	0.917	1.018	0.961	0.91	0.995	1.000	7.51
NIS	18O2-PFHxS	1.003		1.004	1.074	0.903	1.026	1.006	0.999	0.984	1.000	4.774
NIS	13C4-PFOS	0.986		1.034	1.054	0.872	1.015	1.023	0.968	1.046	1.000	5.928

Initial Calibration Report

SCIEX OS Version 3.3.1.43

Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2
Last Altered: 11/15/2024 3:31:24 PM
Generated: 11/15/2024 2:54:34 PM

Analyte	Expected Ratio	Lower Limt	Upper Limt	NIS Analyte	AVG. NIS Area
PFBA	N/A	N/A	N/A	13C3-PFBA	989143
PFPeA	N/A	N/A	N/A	13C2-PFHxA	657214
PFHxA	0.089	0.0445	0.1335	13C4-PFOA	433184
PFHpA	0.332	0.166	0.498	13C5-PFNA	388942
PFOA	0.369	0.1845	0.5535	13C2-PFDA	395978
PFNA	0.303	0.1515	0.4545	18O2-PFHxS	334995
PFDA	0.162	0.081	0.243	13C4-PFOS	297103
PFUnA	0.199	0.0995	0.2985	N/A	N/A
PFDoA	0.18	0.09	0.27	N/A	N/A
PFTrDA	0.16	0.08	0.24	N/A	N/A
PFTeDA	0.149	0.0745	0.2235	N/A	N/A
PFBS	0.388	0.194	0.582	N/A	N/A
PFPeS	0.297	0.1485	0.4455	N/A	N/A
PFHxS	0.296	0.148	0.444	N/A	N/A
PFHpS	0.258	0.129	0.387	N/A	N/A
PFOS	0.233	0.1165	0.3495	N/A	N/A
PFNS	0.296	0.148	0.444	N/A	N/A
PFDS	0.272	0.136	0.408	N/A	N/A
PFDoS	0.263	0.1315	0.3945	N/A	N/A
4:2FTS	0.559	0.2795	0.8385	N/A	N/A
6:2FTS	0.593	0.2965	0.8895	N/A	N/A
8:2FTS	0.759	0.3795	1.1385	N/A	N/A
PFOSA	0.023	0.0115	0.0345	N/A	N/A
NMeFOSA	1.457	0.7285	2.1855	N/A	N/A
NEtFOSA	1.309	0.6545	1.9635	N/A	N/A
NMeFOSAA	0.804	0.402	1.206	N/A	N/A
NEtFOSAA	0.419	0.2095	0.6285	N/A	N/A
NMeFOSE	N/A	N/A	N/A	N/A	N/A
NEtFOSE	N/A	N/A	N/A	N/A	N/A
HFPO-DA	0.685	0.3425	1.0275	N/A	N/A
ADONA	0.884	0.442	1.326	N/A	N/A
9Cl-PF3ONS	0.325	0.1625	0.4875	N/A	N/A
11Cl-PF3OUdS	0.338	0.169	0.507	N/A	N/A
3:3FTCA	1.433	0.7165	2.1495	N/A	N/A
5:3FTCA	0.935	0.4675	1.4025	N/A	N/A
7:3FTCA	1.712	0.856	2.568	N/A	N/A
PFEESA	0.084	0.042	0.126	N/A	N/A
PFMPA	N/A	N/A	N/A	N/A	N/A
PFMBA	N/A	N/A	N/A	N/A	N/A
NFDHA	0.781	0.3905	1.1715	N/A	N/A
TDCA	5.15	2.575	7.725	N/A	N/A

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 11/15/2024 2:54:34 PM

Method: EPA1633F.qmethod
Calibration: 241115_EPA1633_ICAL

ID: IA1633STD-0.1
Name: SCI05_241115_07.wiff2
Date & Time: 2024-11-15T13:00:30
Description: WG1997639,,EPA1633F_241008_L1
Instrument: SCIEX Triple Quad 5500+
User: LCMS05:PNB

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.66	213.0 / 169.0	81142		0.383	N/A	N/A	N/A	95.9
2	PFPeA	2706-90-3	1.34	263.0 / 219.0	38582		0.191	0.009	N/A	N/A	95.3
3	PFPeA_2	2706-90-3	1.34	263.0 / 68.9	360	M2	0.239	0.009	N/A	N/A	119.6
4	PFHxA	307-24-4	2.17	313.0 / 269.0	32045		0.105	0.058	0.089	Pass	104.9
5	PFHxA_2	307-24-4	2.17	313.0 / 119.0	1844		0.082	0.058	0.089	Pass	81.8
6	PFHpA	375-85-9	2.82	363.1 / 319.0	29491		0.102	0.321	0.332	Pass	102.0
7	PFHpA_2	375-85-9	2.82	363.1 / 169.0	9475		0.102	0.321	0.332	Pass	102.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.28	413.1 / 369.1	35449	M5	0.109	0.338	0.369	Pass	108.6
9	PFOA_2	335-67-1	3.28	413.1 / 169.0	11972	M5	0.099	0.338	0.369	Pass	99.3
10	PFNA	375-95-1	3.70	462.8 / 418.9	33037	M5	0.109	0.261	0.303	Pass	109.4
11	PFNA_2	375-95-1	3.70	462.8 / 219.0	8625	M5	0.096	0.261	0.303	Pass	95.7
12	PFDA	335-76-2	4.10	513.1 / 469.1	26778		0.094	0.195	0.162	Pass	94.0
13	PFDA_2	335-76-2	4.11	513.1 / 219.0	5216		0.111	0.195	0.162	Pass	110.8
14	PFUnA	2058-94-8	4.50	563.1 / 519.1	22920		0.093	0.183	0.199	Pass	93.0
15	PFUnA_2	2058-94-8	4.50	563.1 / 269.0	4201		0.088	0.183	0.199	Pass	87.9
16	PFDoA	307-55-1	4.89	613.1 / 569.1	24620		0.103	0.179	0.180	Pass	103.0
17	PFDoA_2	307-55-1	4.89	613.1 / 319.0	4404		0.100	0.179	0.180	Pass	99.6
18	PFTrDA	72629-94-8	5.27	663.1 / 619.1	23914		0.101	0.169	0.160	Pass	100.9
19	PFTrDA_2	72629-94-8	5.27	663.1 / 169.0	4047		0.106	0.169	0.160	Pass	106.0
20	PFTeDA	376-06-7	5.65	713.1 / 669.1	25328		0.098	0.144	0.149	Pass	98.3
21	PFTeDA_2	376-06-7	5.65	713.1 / 169.0	3635		0.097	0.144	0.149	Pass	96.6
22	PFBS	375-73-5	2.16	299.1 / 80.1	15509		0.079	0.388	0.388	Pass	89.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.16	299.1 / 99.1	6017		0.077	0.388	0.388	Pass	87.0
24	PFPeS	2706-91-4	2.88	349.1 / 80.1	16411		0.086	0.287	0.297	Pass	91.6
25	PFPeS_2	2706-91-4	2.88	349.1 / 99.1	4704		0.085	0.287	0.297	Pass	90.4
26	PFHxS	355-46-4	3.38	399.1 / 80.1	16734	M5	0.097	0.318	0.296	Pass	107.0
27	PFHxS_2	355-46-4	3.38	399.1 / 99.1	5326	M5	0.101	0.318	0.296	Pass	110.7
28	PFHpS	375-92-8	3.83	449.1 / 80.1	14604		0.095	0.187	0.258	Pass	100.3
29	PFHpS_2	375-92-8	3.83	449.1 / 99.1	2728		0.068	0.187	0.258	Pass	71.2
30	PFOS	1763-23-1	4.25	499.1 / 80.1	17089	M5	0.101	0.212	0.233	Pass	108.7
31	PFOS_2	1763-23-1	4.25	499.1 / 99.1	3617	M5	0.096	0.212	0.233	Pass	103.1
32	PFNS	68259-12-1	4.66	549.1 / 80.1	10424		0.094	0.286	0.296	Pass	97.6
33	PFNS_2	68259-12-1	4.66	549.1 / 99.1	2983		0.092	0.286	0.296	Pass	95.3
34	PFDS	335-77-3	5.05	599.1 / 80.1	9729		0.089	0.326	0.272	Pass	92.6
35	PFDS_2	335-77-3	5.05	599.1 / 99.1	3171		0.103	0.326	0.272	Pass	107.7
36	PFDoS	79780-39-5	5.80	699.2 / 80.1	8462		0.084	0.280	0.263	Pass	86.9
37	PFDoS_2	79780-39-5	5.80	699.2 / 99.1	2368		0.090	0.280	0.263	Pass	92.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.93	327.1 / 307.1	25386		0.422	0.542	0.559	Pass	112.5
39	4:2FTS_2	757124-72-4	1.93	327.1 / 81.1	13763		0.405	0.542	0.559	Pass	108.1
40	6:2FTS	27619-97-2	3.10	427.2 / 407.2	17698		0.383	0.610	0.593	Pass	100.7
41	6:2FTS_2	27619-97-2	3.10	427.2 / 81.1	10788		0.376	0.610	0.593	Pass	98.9
42	8:2FTS	39108-34-4	3.92	527.2 / 507.2	13019		0.449	0.533	0.759	Pass	116.9
43	8:2FTS_2	39108-34-4	3.92	527.2 / 81.1	6936		0.322	0.533	0.759	Pass	83.9
44	PFOSA	754-91-6	5.27	498.1 / 78.1	20000	M5	0.099	0.027	0.023	Pass	98.8
45	PFOSA_2	754-91-6	5.25	498.1 / 478.0	549	M5	0.115	0.027	0.023	Pass	114.7
46	NMeFOSA	31506-32-8	5.98	512.2 / 219.0	3847	M5	0.096	1.539	1.457	Pass	95.8
47	NMeFOSA_2	31506-32-8	5.92	512.2 / 169.0	5922	M5	0.102	1.539	1.457	Pass	101.6
48	NEtFOSA	4151-50-2	6.26	526.2 / 219.0	3337	M5	0.086	1.319	1.309	Pass	86.4
49	NEtFOSA_2	4151-50-2	6.23	526.2 / 169.0	4402	M5	0.087	1.319	1.309	Pass	86.8
50	NMeFOSAA	2355-31-9	4.19	570.2 / 419.1	2566	M5	0.098	0.909	0.804	Pass	97.7
51	NMeFOSAA_2	2355-31-9	4.19	570.2 / 483.0	2334	M5	0.116	0.909	0.804	Pass	116.4
52	NEtFOSAA	2991-50-6	4.39	584.2 / 419.1	3582	M5	0.092	0.432	0.419	Pass	92.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.39	584.2 / 526.2	1547	M5	0.090	0.432	0.419	Pass	90.1
54	NMeFOSE	24448-09-7	5.85	616.1 / 58.9	123061	M5	0.933	N/A	N/A	N/A	93.3
55	NEtFOSE	1691-99-2	6.14	630.0 / 58.9	194387	M5	0.965	N/A	N/A	N/A	96.5
56	HFPO-DA	13252-13-6	2.43	285.0 / 169.0	44270		0.360	0.728	0.685	Pass	90.1
57	HFPO-DA_2	13252-13-6	2.43	285.0 / 184.9	32208		0.400	0.728	0.685	Pass	100.1
58	ADONA	919005-14-4	2.99	376.9 / 251.0	97044		0.390	1.020	0.884	Pass	103.1
59	ADONA_2	919005-14-4	2.99	376.9 / 84.8	98949		0.395	1.020	0.884	Pass	104.5
60	9Cl-PF3ONS	756426-58-1	4.53	530.8 / 351.1	138518		0.380	0.340	0.325	Pass	101.8
61	9Cl-PF3ONS_2	756426-58-1	4.53	532.8 / 353.0	47062		0.396	0.340	0.325	Pass	106.1
62	11Cl-PF3OUdS	763051-92-9	5.31	630.9 / 451.0	94459		0.394	0.364	0.338	Pass	104.5
63	11Cl-PF3OUdS_2	763051-92-9	5.31	632.9 / 452.9	34337		0.408	0.364	0.338	Pass	108.2
64	3:3FTCA	356-02-5	1.71	241.1 / 177.1	4896		0.427	1.760	1.433	Pass	85.4
65	3:3FTCA_2	356-02-5	1.71	241.1 / 117.0	8618		0.489	1.760	1.433	Pass	97.8
66	5:3FTCA	914637-49-3	3.23	341.1 / 237.1	175039		2.426	0.976	0.935	Pass	97.0
67	5:3FTCA_2	914637-49-3	3.23	341.1 / 217.0	170886		2.559	0.976	0.935	Pass	102.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.17	441.1 / 316.9	85928		3.244	2.052	1.712	Pass	129.8
69	7:3FTCA_2	812-70-4	4.17	441.1 / 337.1	176328		2.448	2.052	1.712	Pass	97.9
70	PFEESA	113507-82-7	2.53	315.1 / 135.0	96385		0.160	0.082	0.084	Pass	89.9
71	PFEESA_2	113507-82-7	2.53	315.1 / 82.9	7937		0.155	0.082	0.084	Pass	86.9
72	PFMPA	377-73-1	0.84	229.0 / 85.0	49775		0.176	N/A	N/A	N/A	87.8
73	PFMBA	863090-89-5	1.64	279.0 / 85.0	53581		0.183	N/A	N/A	N/A	91.4
74	NFDHA	151772-58-6	2.08	295.0 / 201.0	19995		0.192	0.792	0.781	Pass	96.1
75	NFDHA_2	151772-58-6	2.08	295.0 / 84.9	15833		0.198	0.792	0.781	Pass	99.1
76	TDCA	516-50-7	2.96	499.1 / 124.1	3442872		9.742	5.186	5.150	Pass	97.4
77	TDCA_2	516-50-7	2.96	499.1 / 79.9	17856196		9.616	5.186	5.150	Pass	96.2
78	13C2D4-4:2FTS	Surr	1.92	333.2 / 312.1	210461		5.804	N/A	N/A	N/A	116.1
79	13C2-PFOA	Surr	3.28	415.0 / 370.0	397526		2.699	N/A	N/A	N/A	107.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.65	217.0 / 172.0	2509250		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	1.34	268.0 / 223.0	1169469		5.514	NA	NA	NA	110.3
	13C5-PFHxA	EIS	2.16	318.0 / 273.0	498310		2.734	NA	NA	NA	109.4
	13C4-PFHpA	EIS	2.82	367.0 / 322.0	303385		2.424	NA	NA	NA	97.0
	13C8-PFOA	EIS	3.27	420.8 / 376.0	1122364		2.668	NA	NA	NA	106.7
	13C9-PFNA	EIS	3.69	472.0 / 427.0	445750		1.328	NA	NA	NA	106.2
	13C6-PFDA	EIS	4.10	519.0 / 474.0	435433		1.216	NA	NA	NA	97.3
	13C7-PFUnA	EIS	4.49	570.0 / 525.0	399690		1.293	NA	NA	NA	103.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.88	615.1 / 570.0	313132		1.216	NA	NA	NA	97.3
	13C2-PFTeDA	EIS	5.64	715.1 / 670.1	287738		1.249	NA	NA	NA	99.9
	13C3-PFBS	EIS	2.15	302.1 / 80.1	475822		2.485	NA	NA	NA	106.7
	13C3-PFHxS	EIS	3.38	402.1 / 80.1	408353		2.461	NA	NA	NA	103.8
	13C8-PFOS	EIS	4.25	507.1 / 80.1	408149		2.419	NA	NA	NA	100.8
	13C2-4:2FTS	EIS	1.93	329.1 / 81.1	153742		4.839	NA	NA	NA	103.2
	13C2-6:2FTS	EIS	3.10	429.2 / 81.1	140189		4.775	NA	NA	NA	100.3
	13C2-8:2FTS	EIS	3.92	529.2 / 81.1	126019		4.777	NA	NA	NA	99.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.26	506.1 / 78.1	733326		2.726	NA	NA	NA	109.0
	d3-NMeFOSA	EIS	5.97	515.2 / 219.0	97650		2.468	NA	NA	NA	98.7
	d5-NEtFOSA	EIS	6.25	531.2 / 219.0	89473		2.426	NA	NA	NA	97.1
	d3-NMeFOSAA	EIS	4.19	573.2 / 419.1	179267		4.305	NA	NA	NA	86.1
	d5-NEtFOSAA	EIS	4.38	589.3 / 419.1	201914		5.041	NA	NA	NA	100.8
	d7-NMeFOSE	EIS	5.83	623.2 / 58.9	1276280		27.290	NA	NA	NA	109.2
	d9-NEtFOSE	EIS	6.11	639.2 / 58.9	1758966		25.955	NA	NA	NA	103.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.43	287.0 / 169.0	1330810		10.020	NA	NA	NA	100.2
	13C3-PFBA	NIS	0.65	216.0 / 172.0	1098759		5.554	NA	NA	NA	111.1
	13C2-PFHxA	NIS	2.16	315.0 / 270.0	637304		2.424	NA	NA	NA	97.0
	13C4-PFOA	NIS	3.27	417.0 / 372.0	414214		2.391	NA	NA	NA	95.6
	13C5-PFNA	NIS	3.69	468.0 / 423.0	378641		1.217	NA	NA	NA	97.4
	13C2-PFDA	NIS	4.10	515.1 / 470.1	416298		1.314	NA	NA	NA	105.1
	18O2-PFHxS	NIS	3.38	403.1 / 84.1	336150		2.378	NA	NA	NA	100.3
	13C4-PFOS	NIS	4.24	503.1 / 80.1	293063		2.367	NA	NA	NA	98.6

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

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
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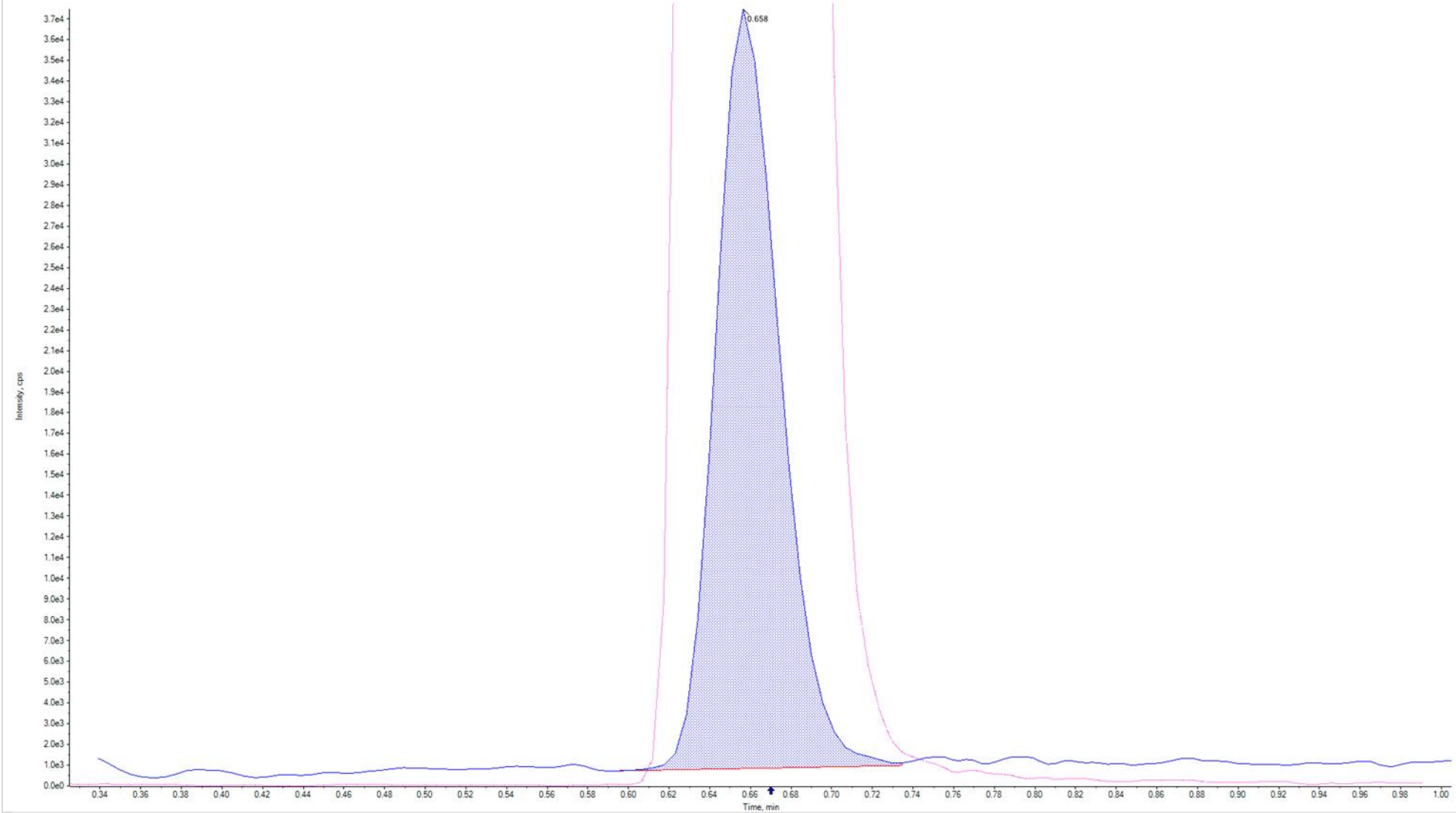
Generated: 11/15/2024 2:54:34 PM

PFBA
Sample: IA1633STD-0.1 S/N:356.9 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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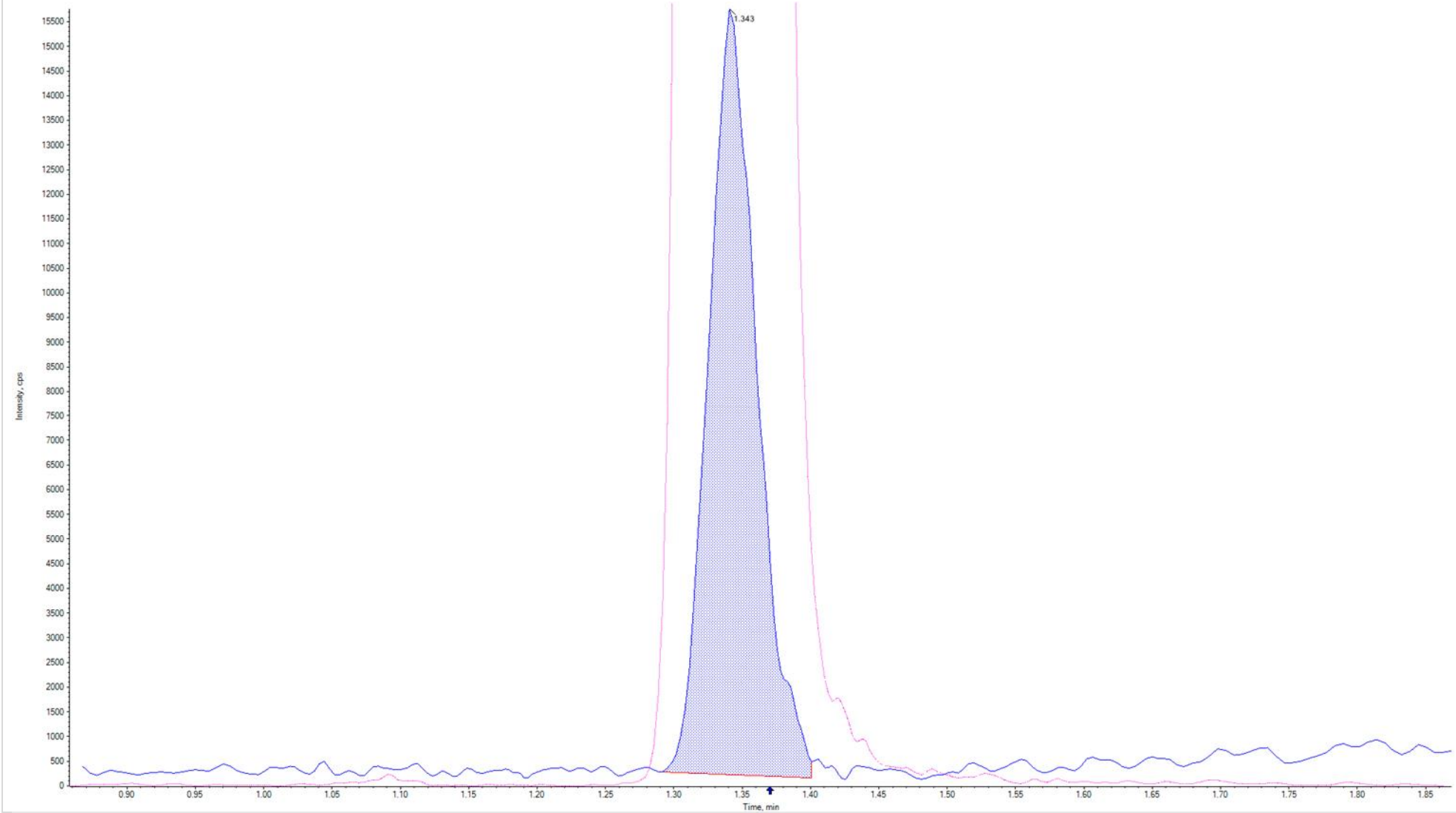
PFPeA
Sample: IA1633STD-0.1 S/N:510.2 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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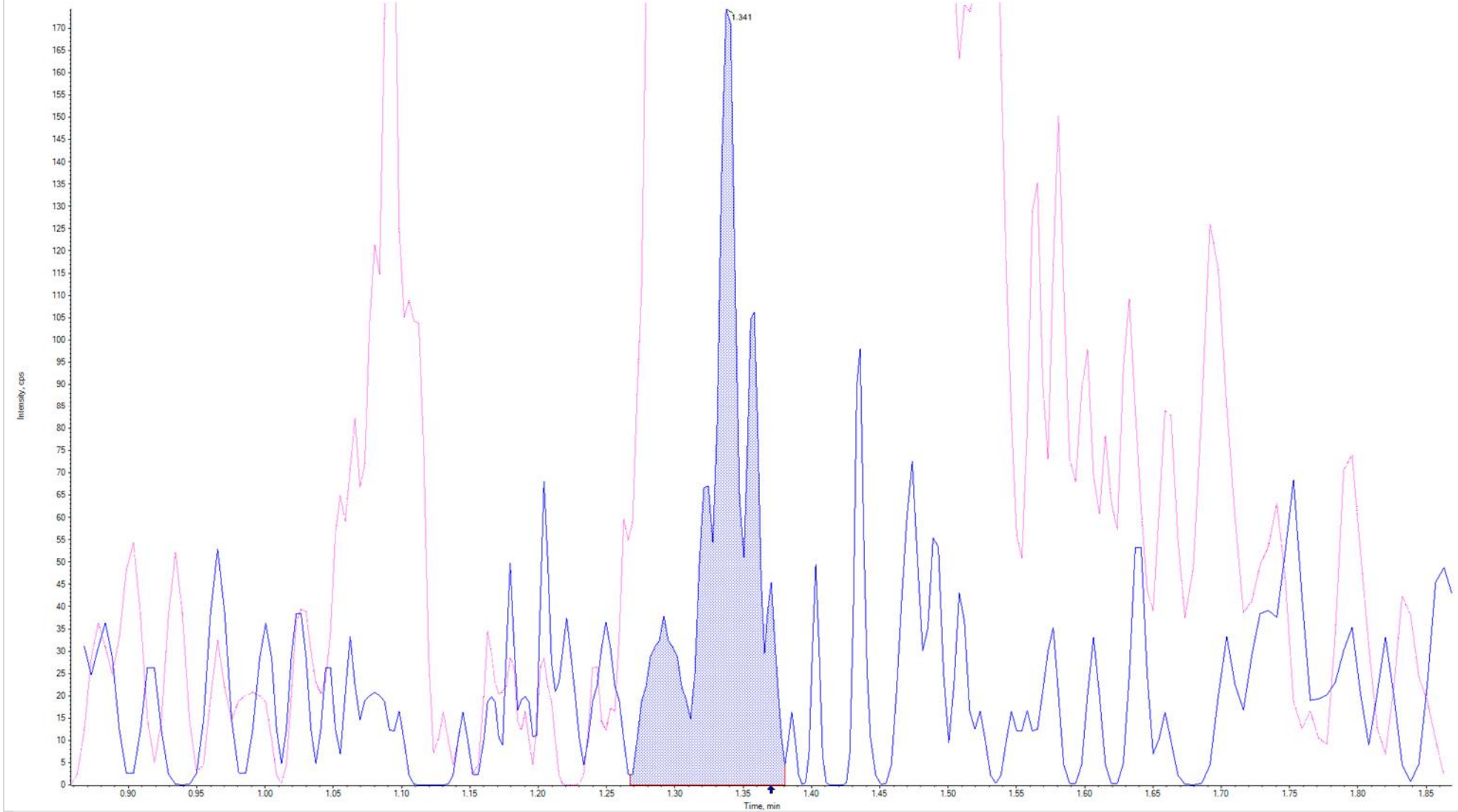
PFPeA_2
Sample: IA1633STD-0.1 S/N:10.5 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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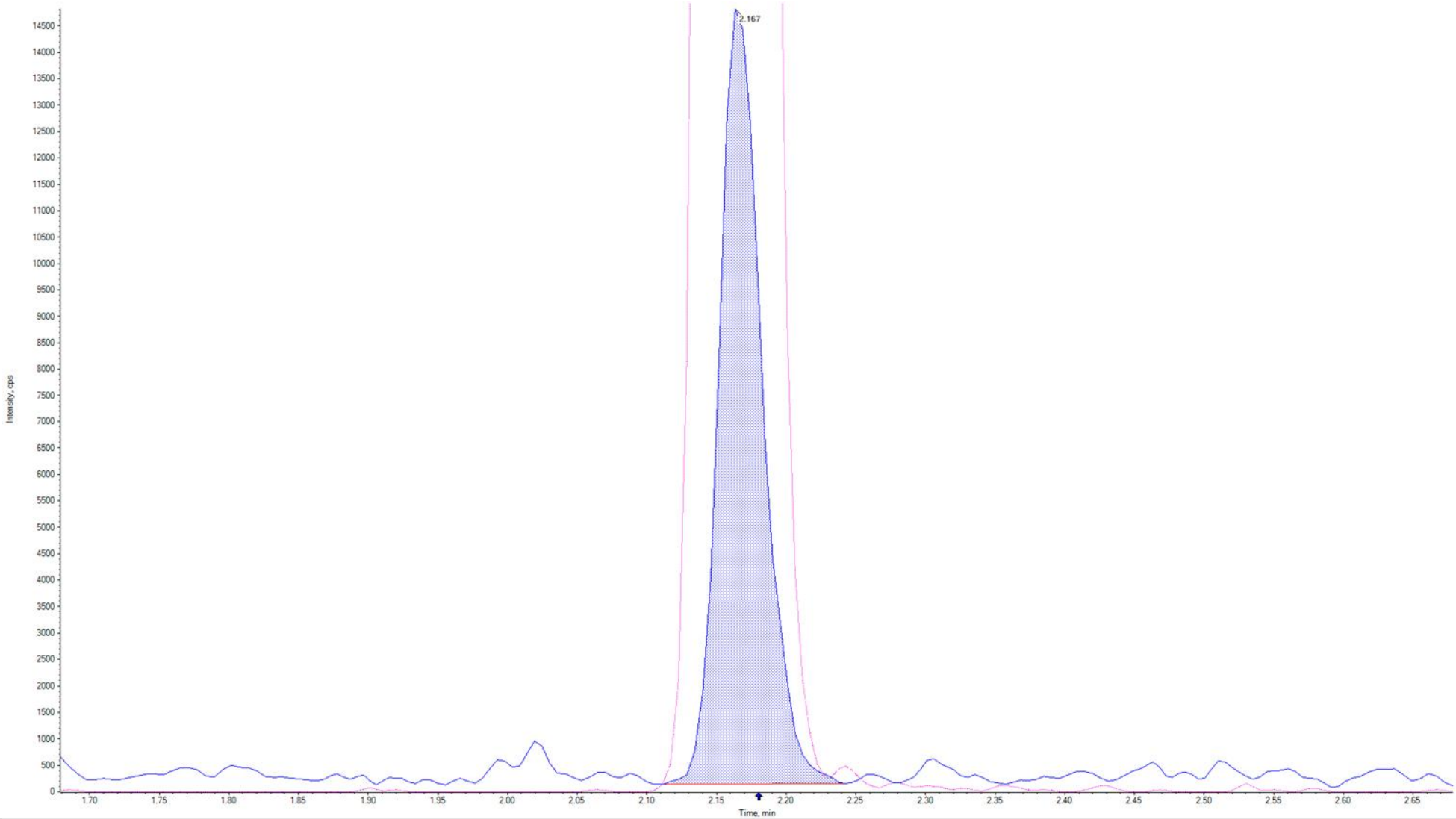
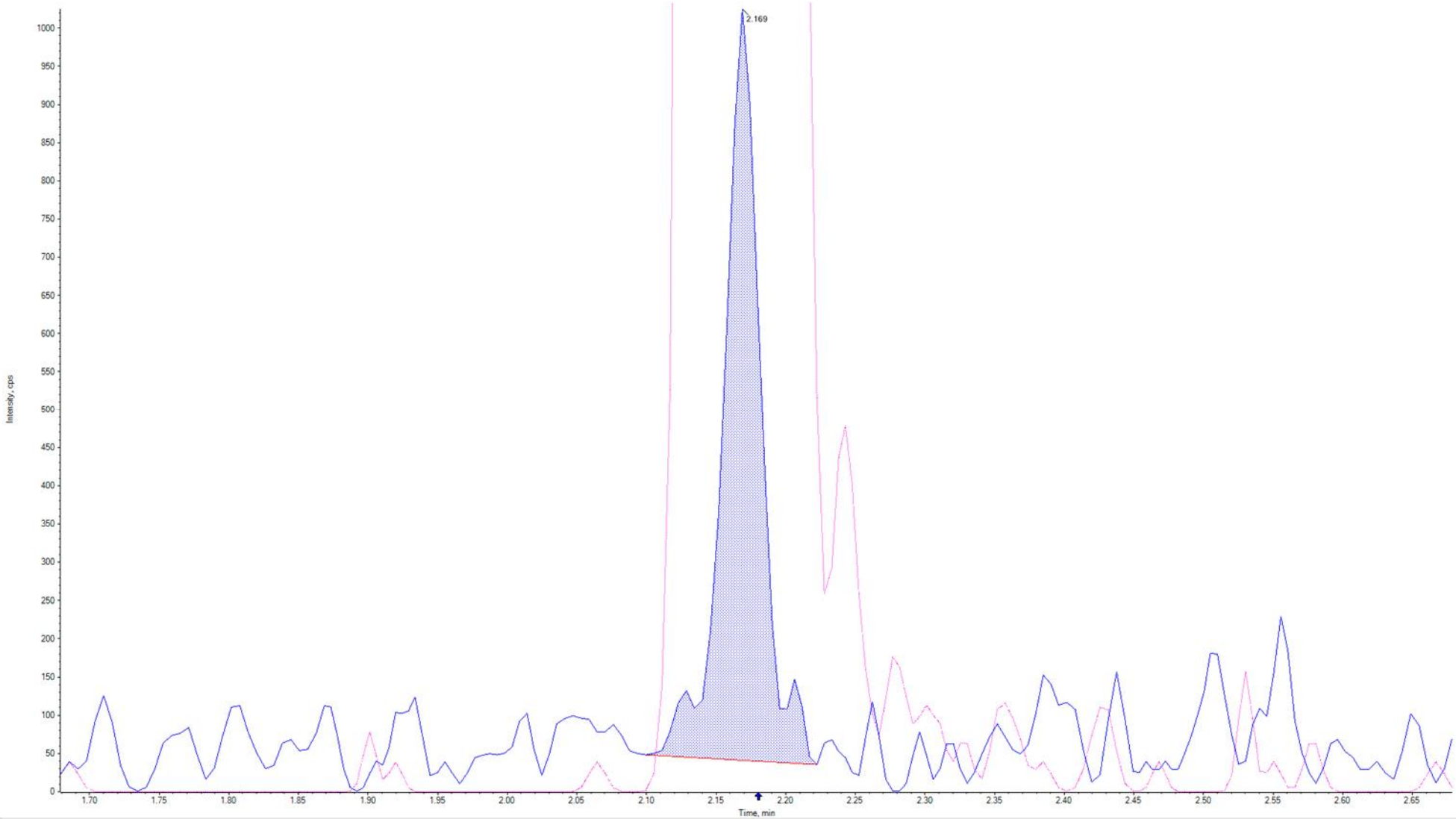
PFHxA
Sample: IA1633STD-0.1 S/N:367.8 Points Across peak:26



PFHxA_2
Sample: IA1633STD-0.1 S/N:24.7 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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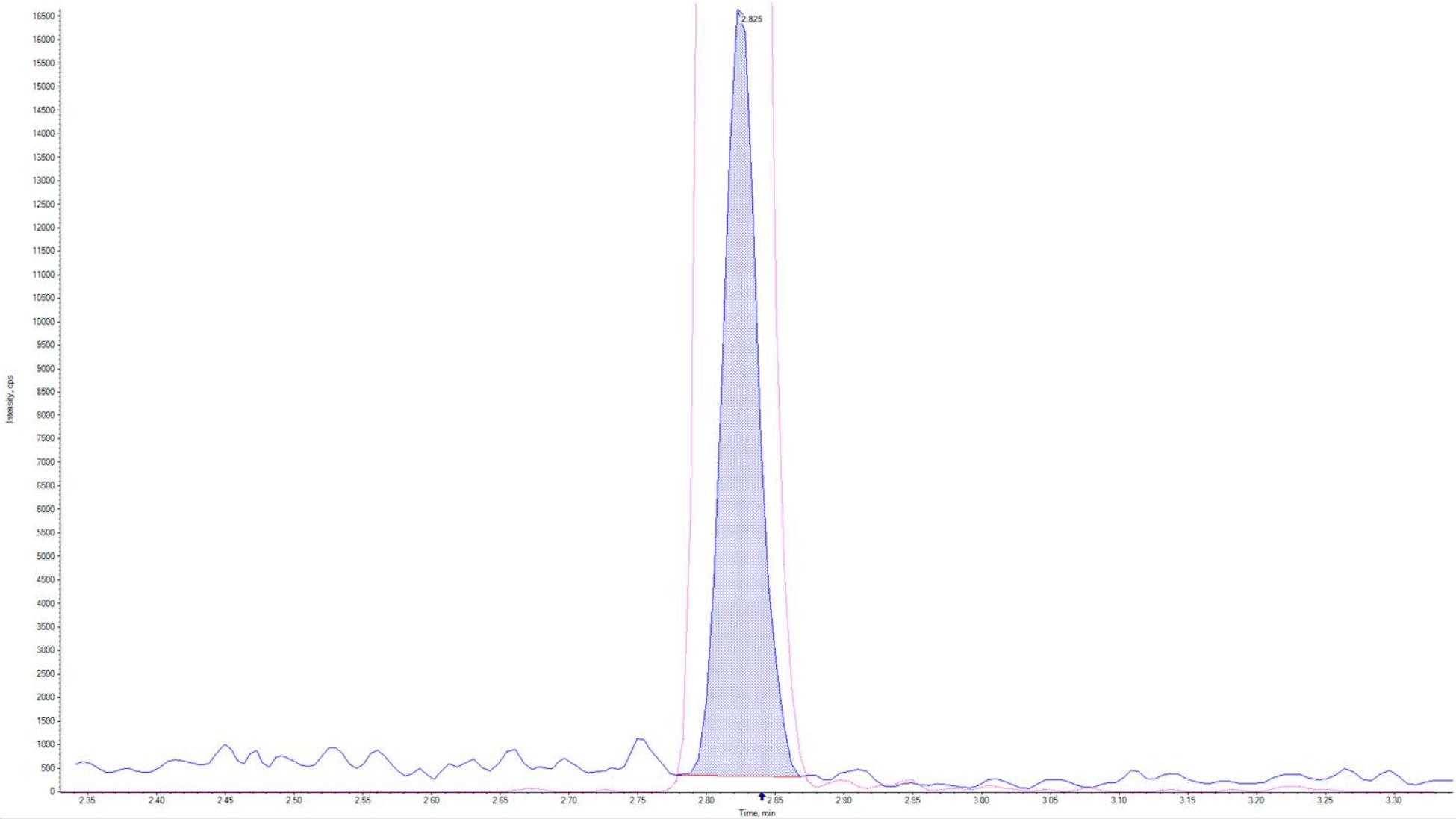
PFHpA
Sample: IA1633STD-0.1 S/N:327.2 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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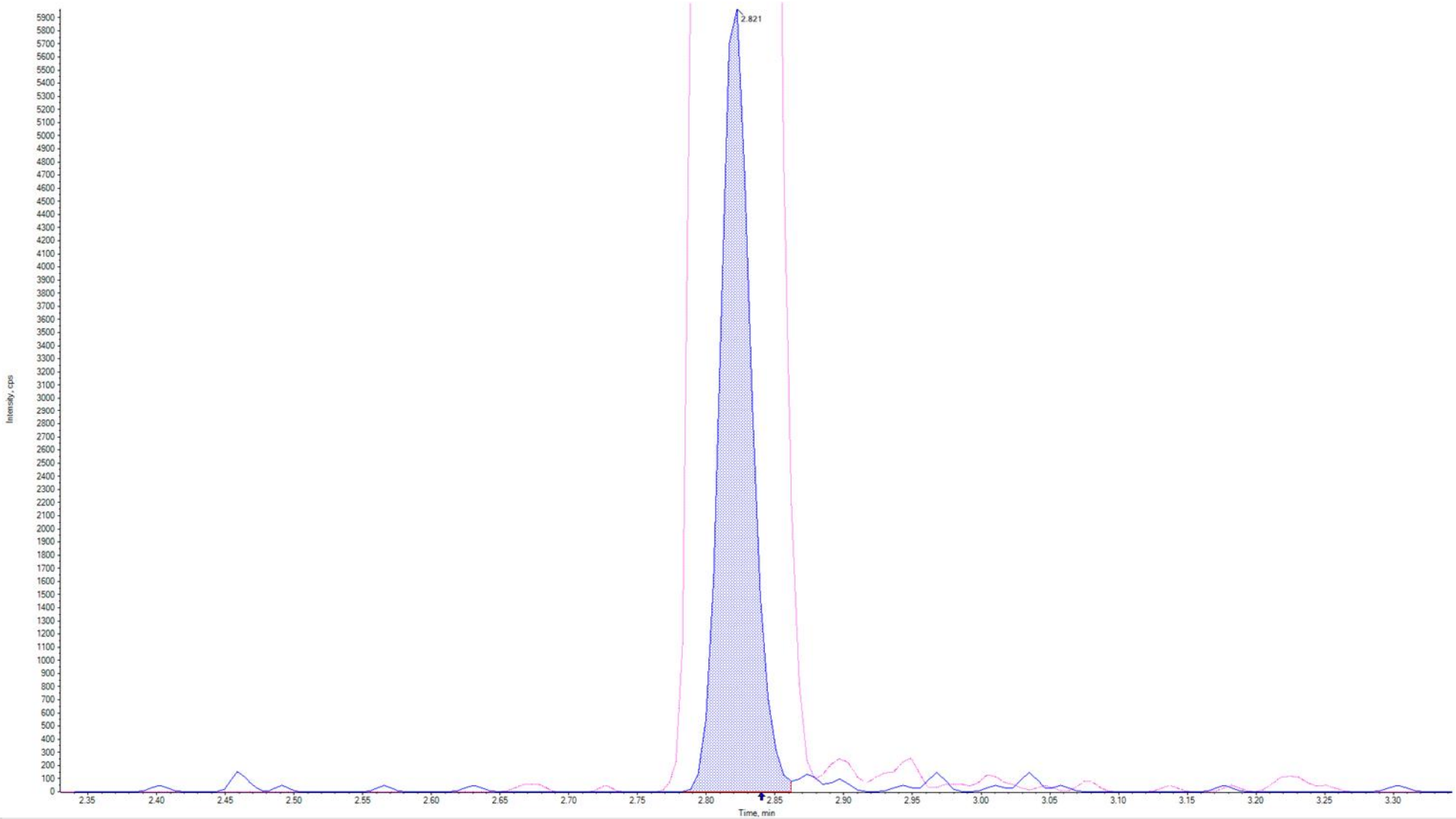
PFHpA_2
Sample: IA1633STD-0.1 S/N:119.6 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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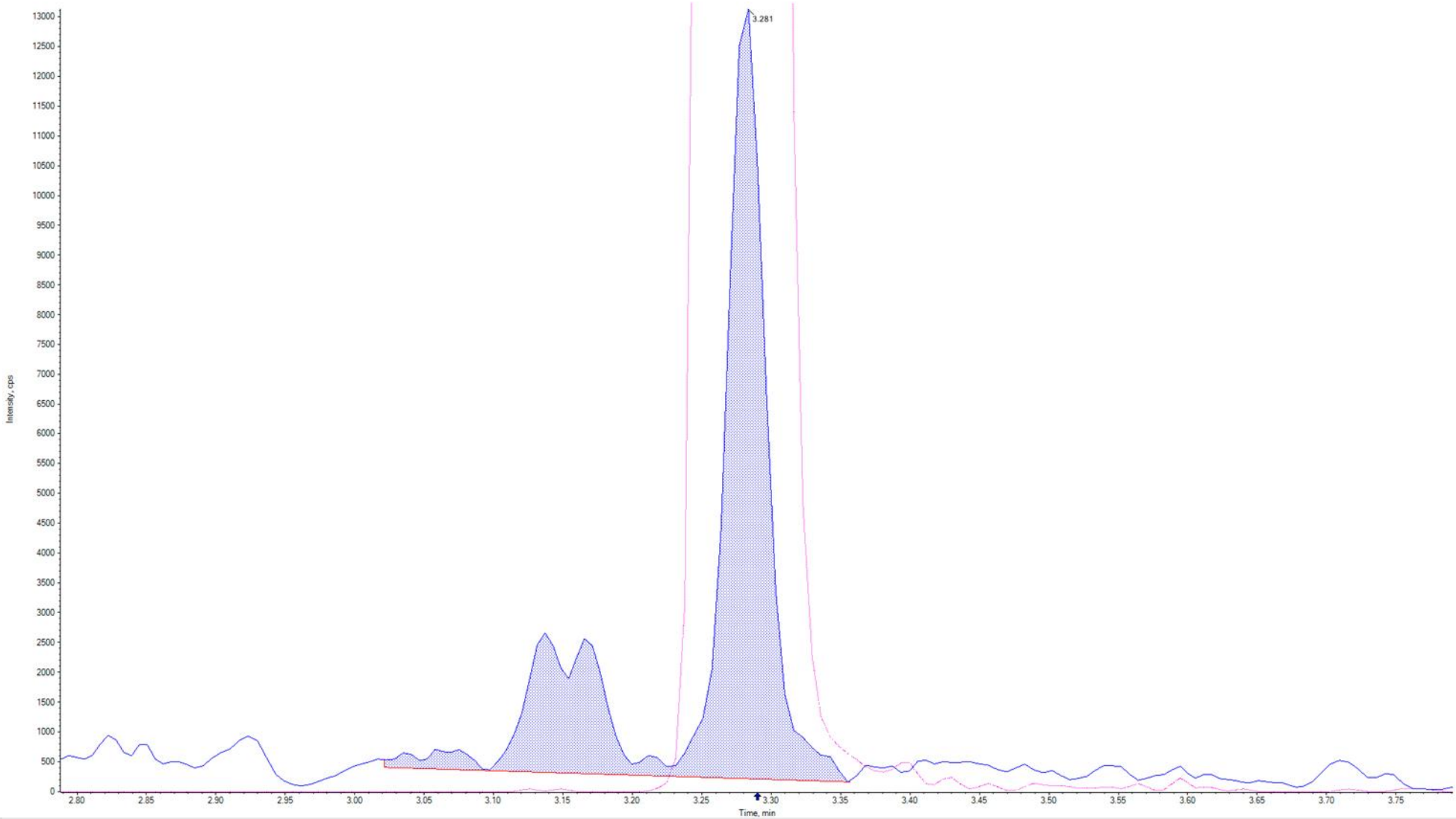
PFOA
Sample: IA1633STD-0.1 S/N:112.6 Points Across peak:58



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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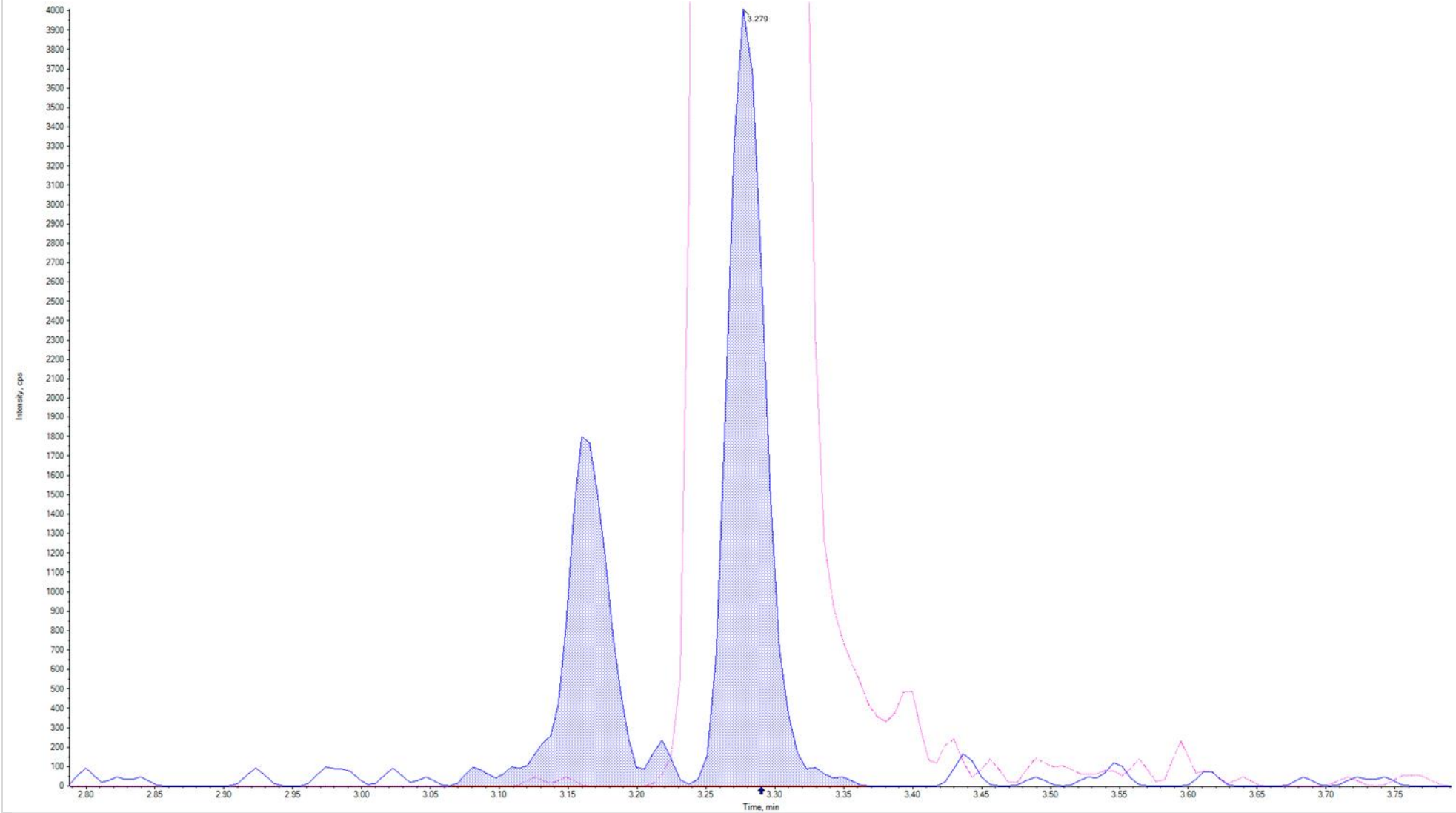
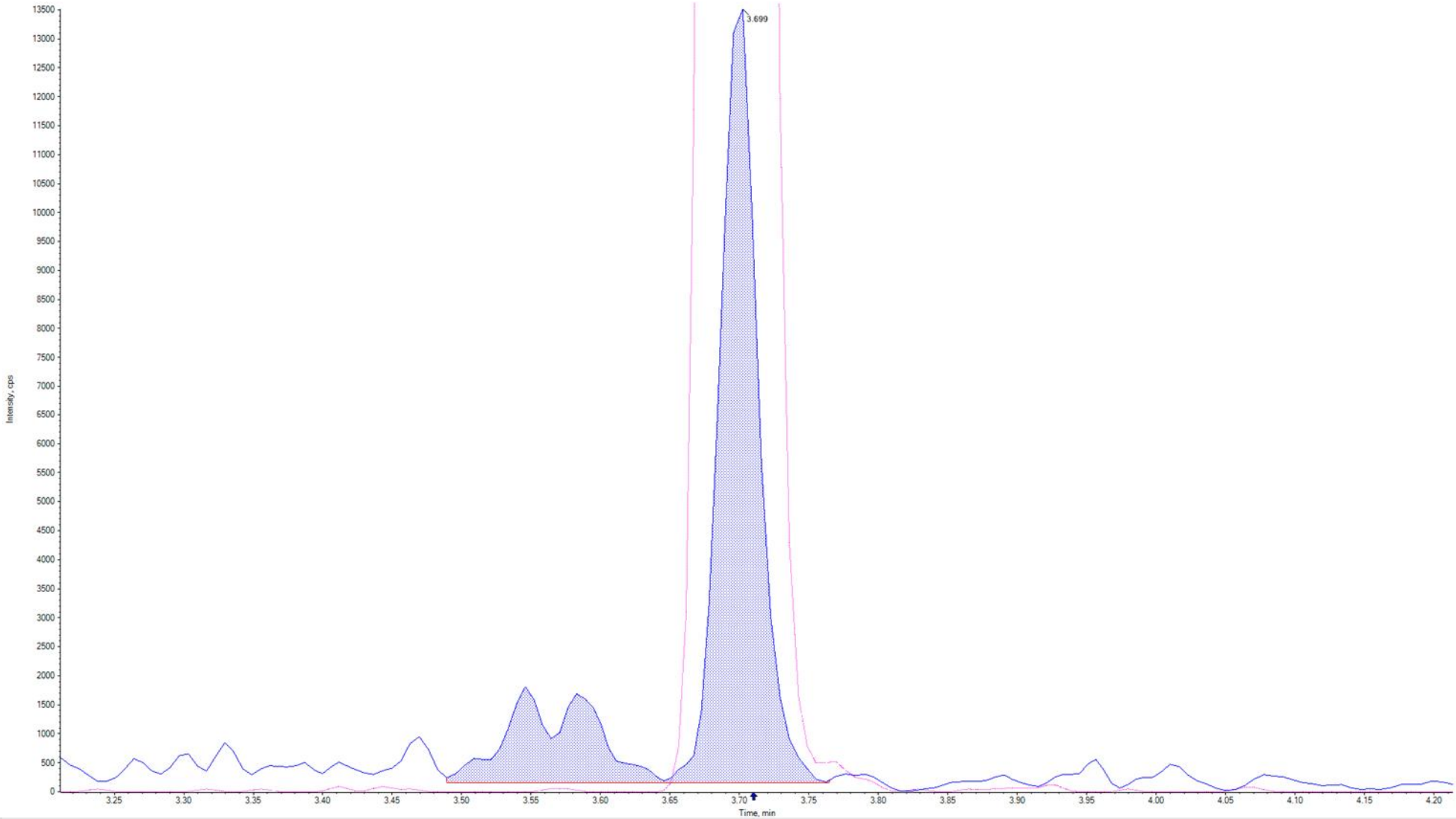
PFOA_2
Sample: IA1633STD-0.1 S/N:90.4 Points Across peak:53



PFNA
Sample: IA1633STD-0.1 S/N:117.9 Points Across peak:48



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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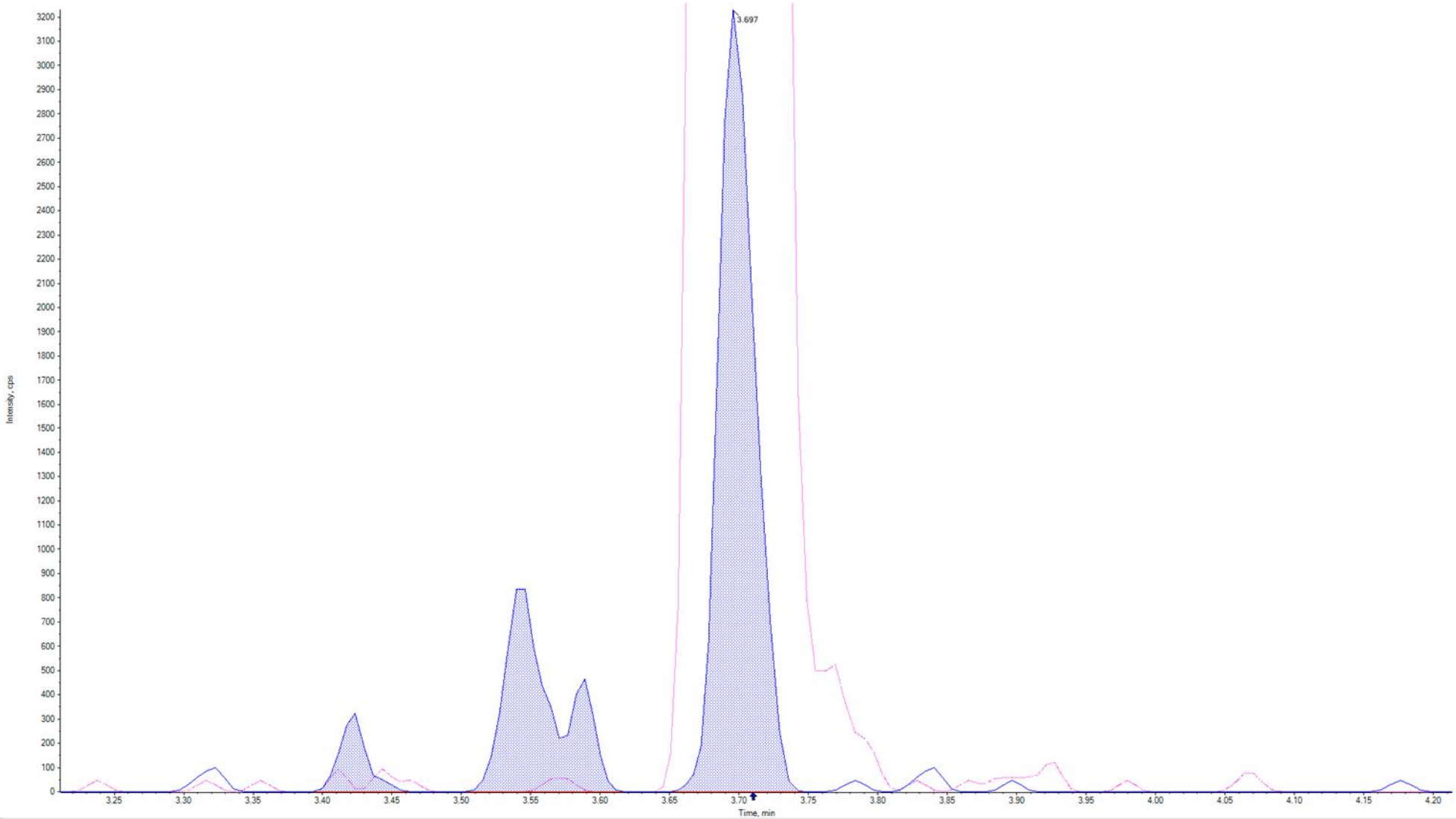
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

PFNA_2
Sample: IA1633STD-0.1 S/N:72.9 Points Across peak:62



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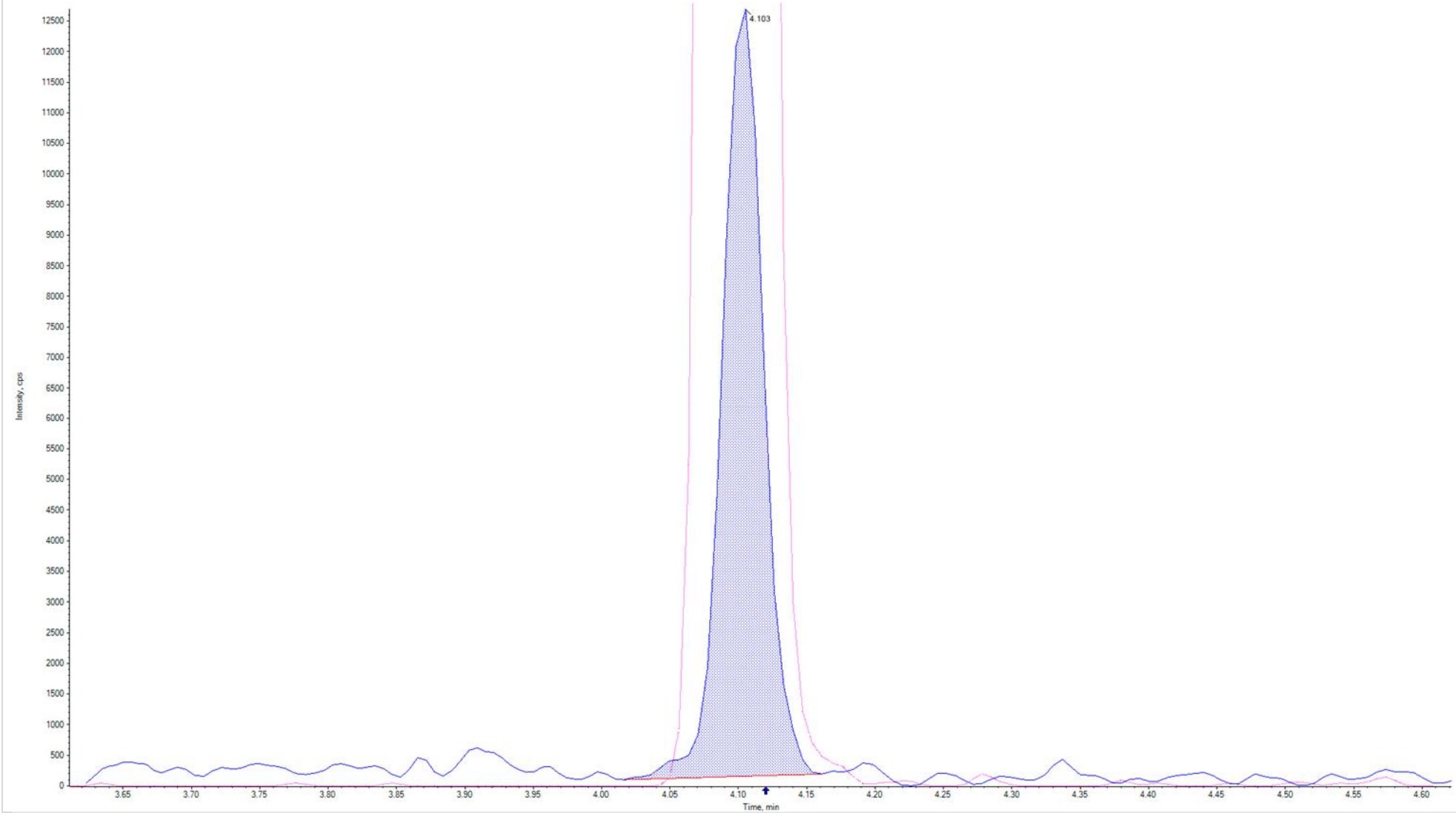
Generated: 11/15/2024 2:54:34 PM

PFDA
Sample: IA1633STD-0.1 S/N:251.3 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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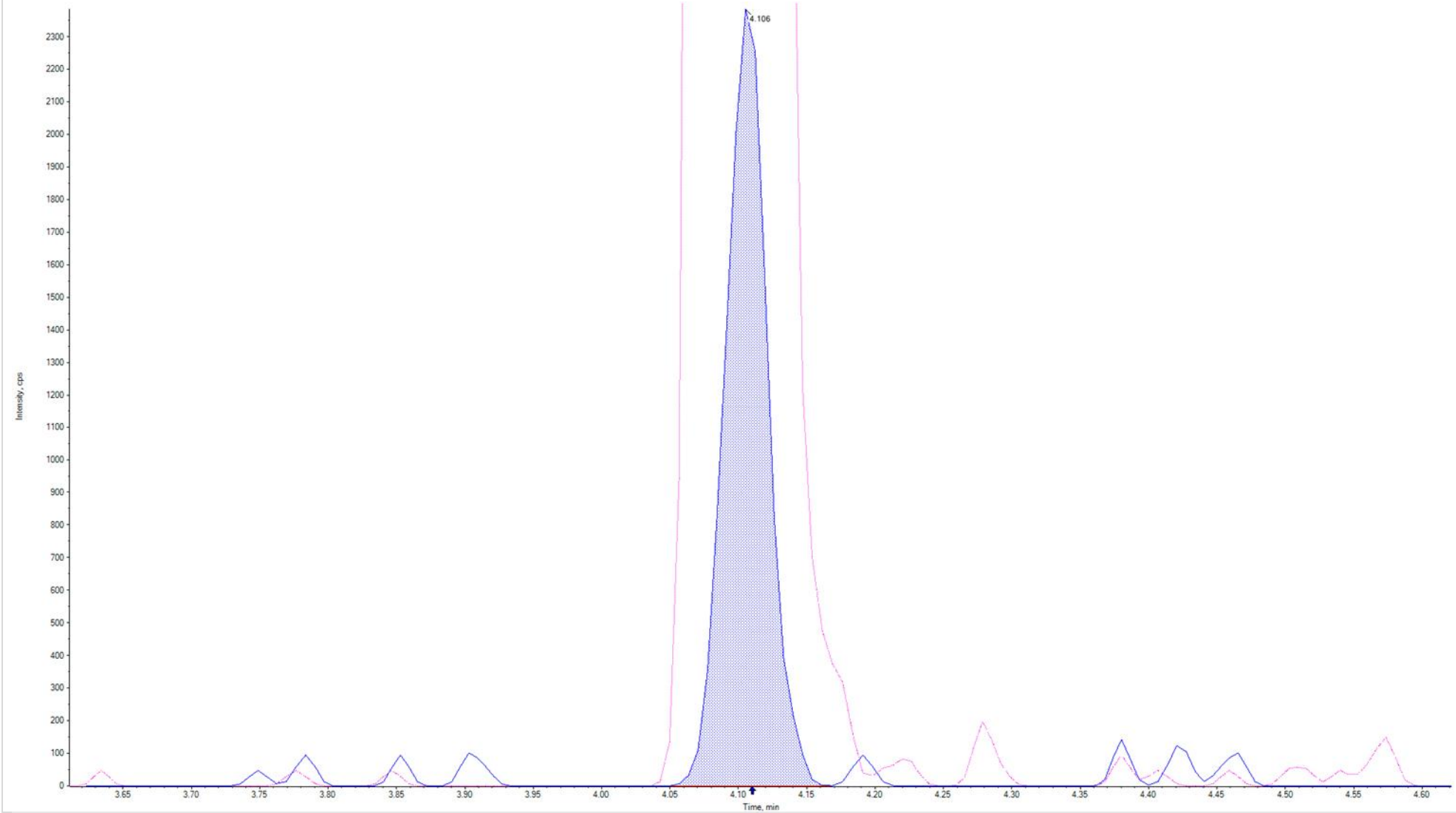
Generated: 11/15/2024 2:54:34 PM

PFDA_2
Sample: IA1633STD-0.1 S/N:47.8 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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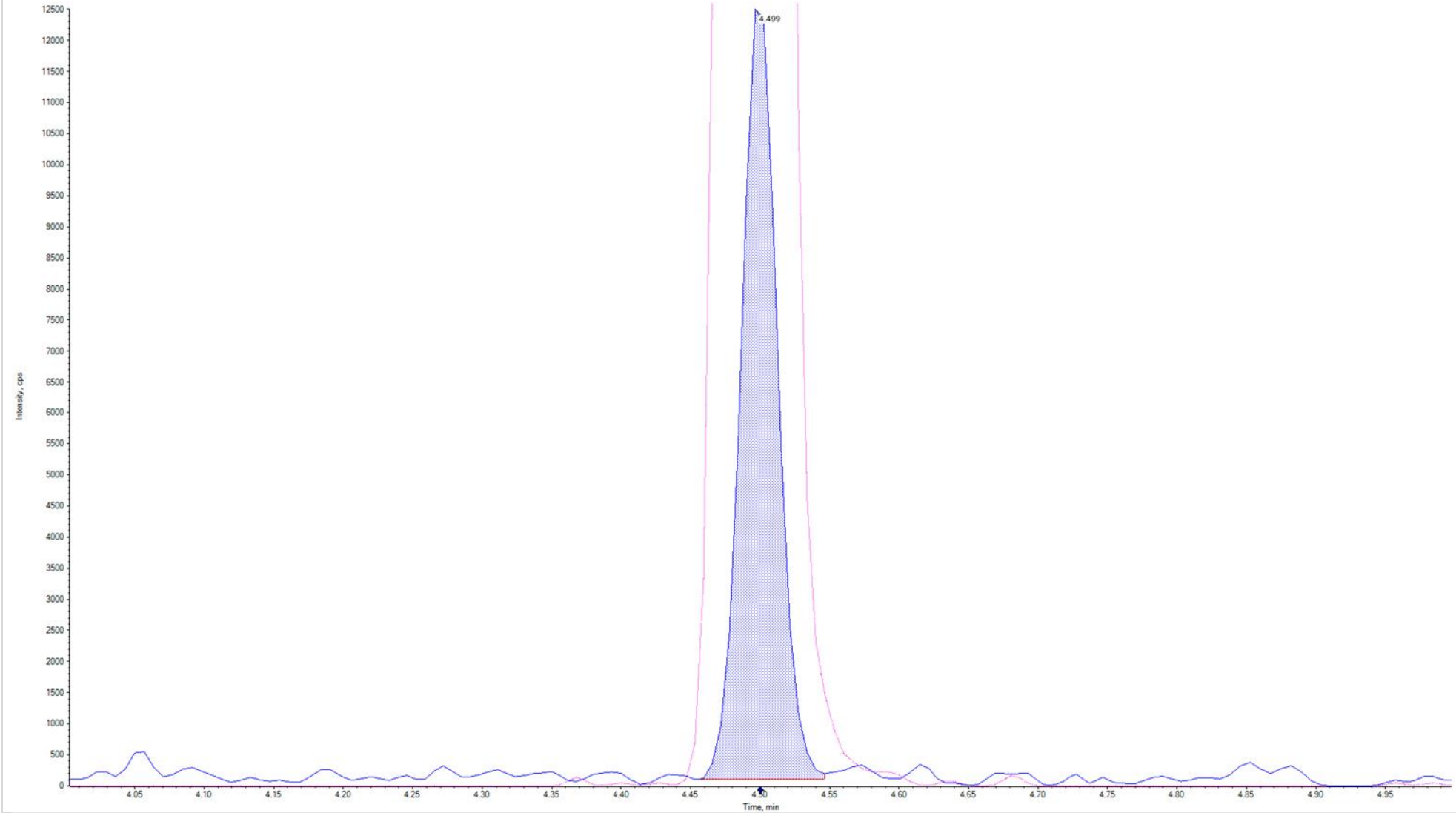
PFUnA
Sample: IA1633STD-0.1 S/N:279.7 Points Across peak:16



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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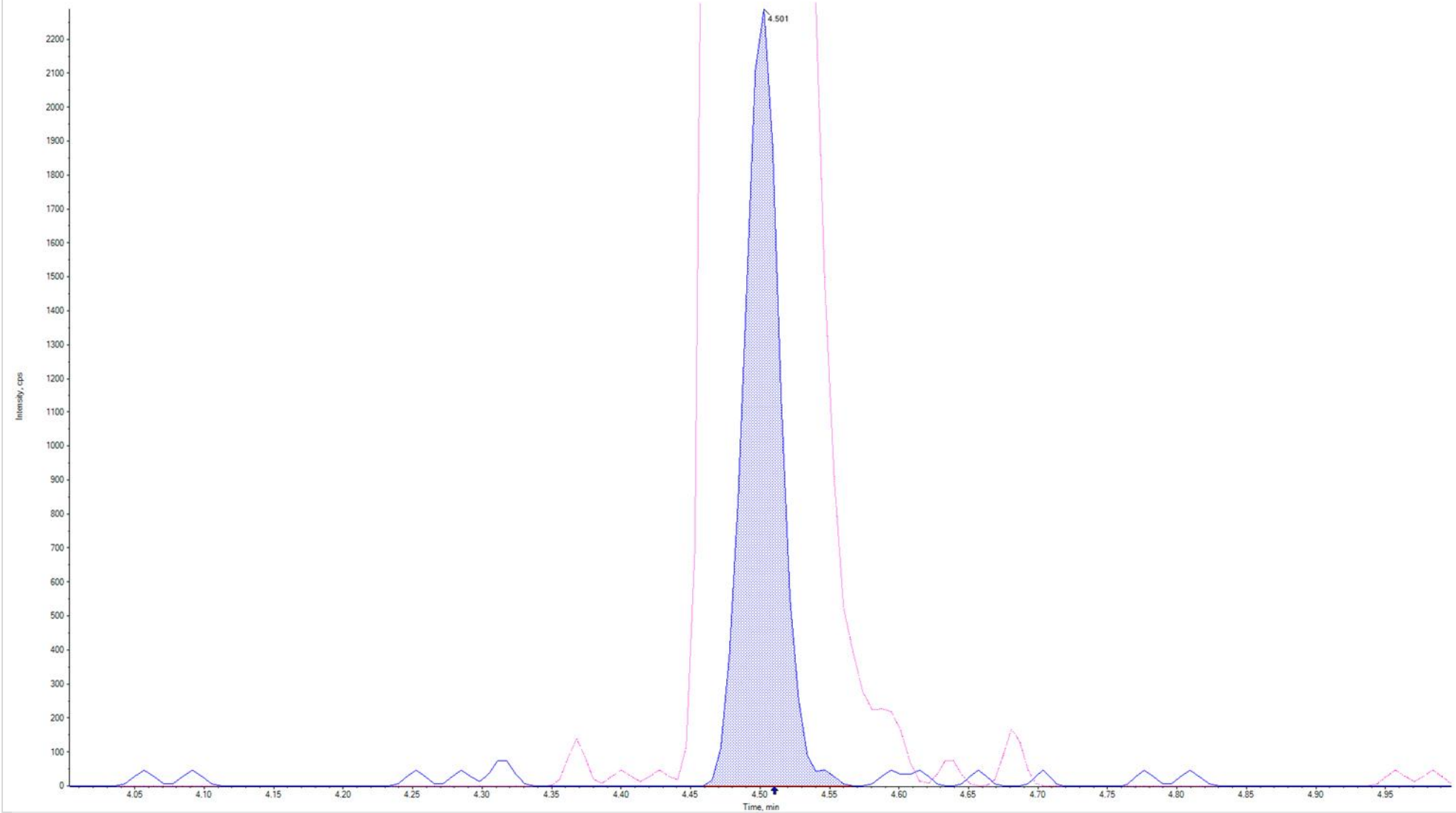
Generated: 11/15/2024 2:54:34 PM

PFUnA_2
Sample: IA1633STD-0.1 S/N:51.6 Points Across peak:21



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Alpha Analytical LLC
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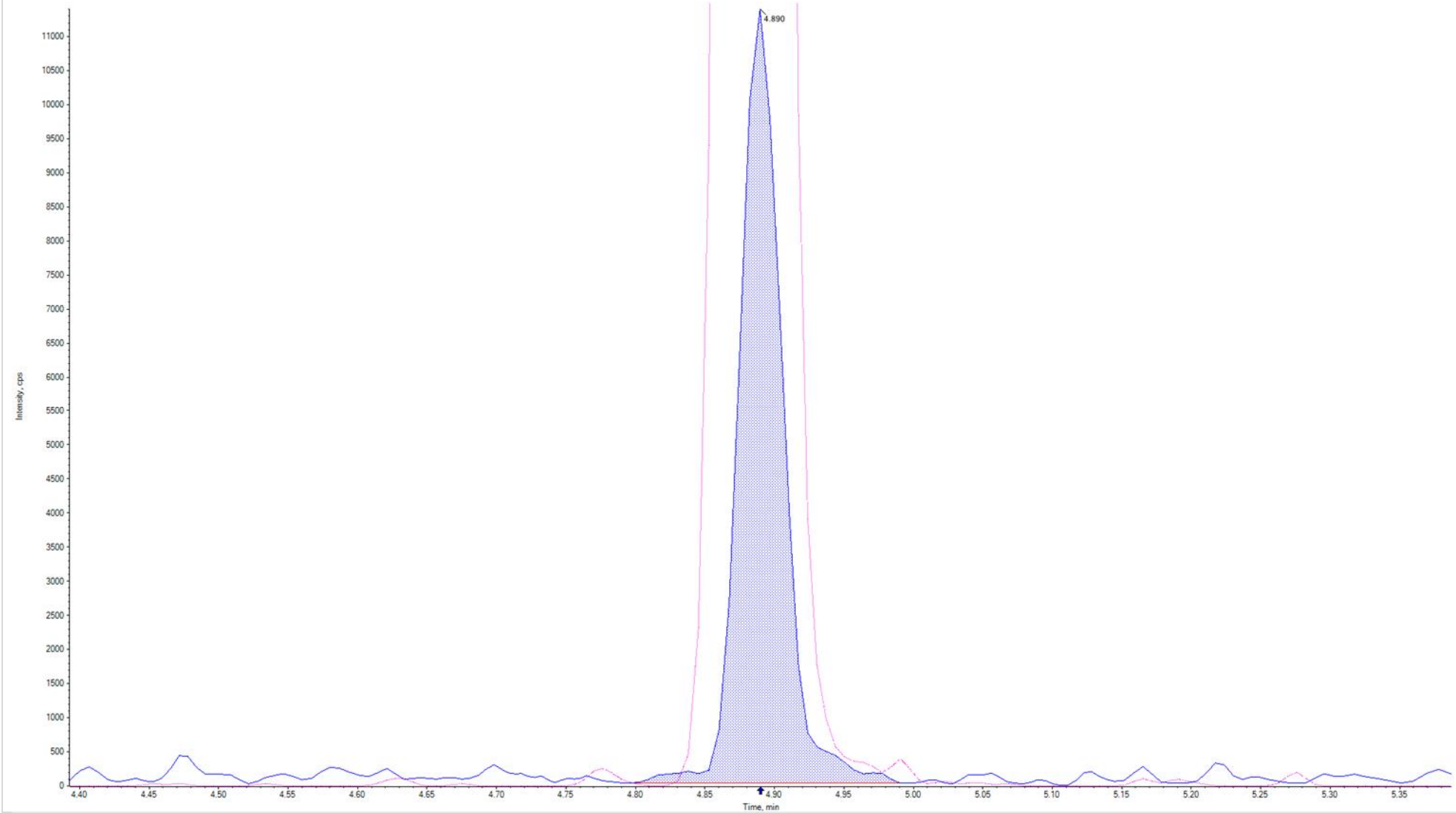
Generated: 11/15/2024 2:54:34 PM

PFDoA
Sample: IA1633STD-0.1 S/N:313.2 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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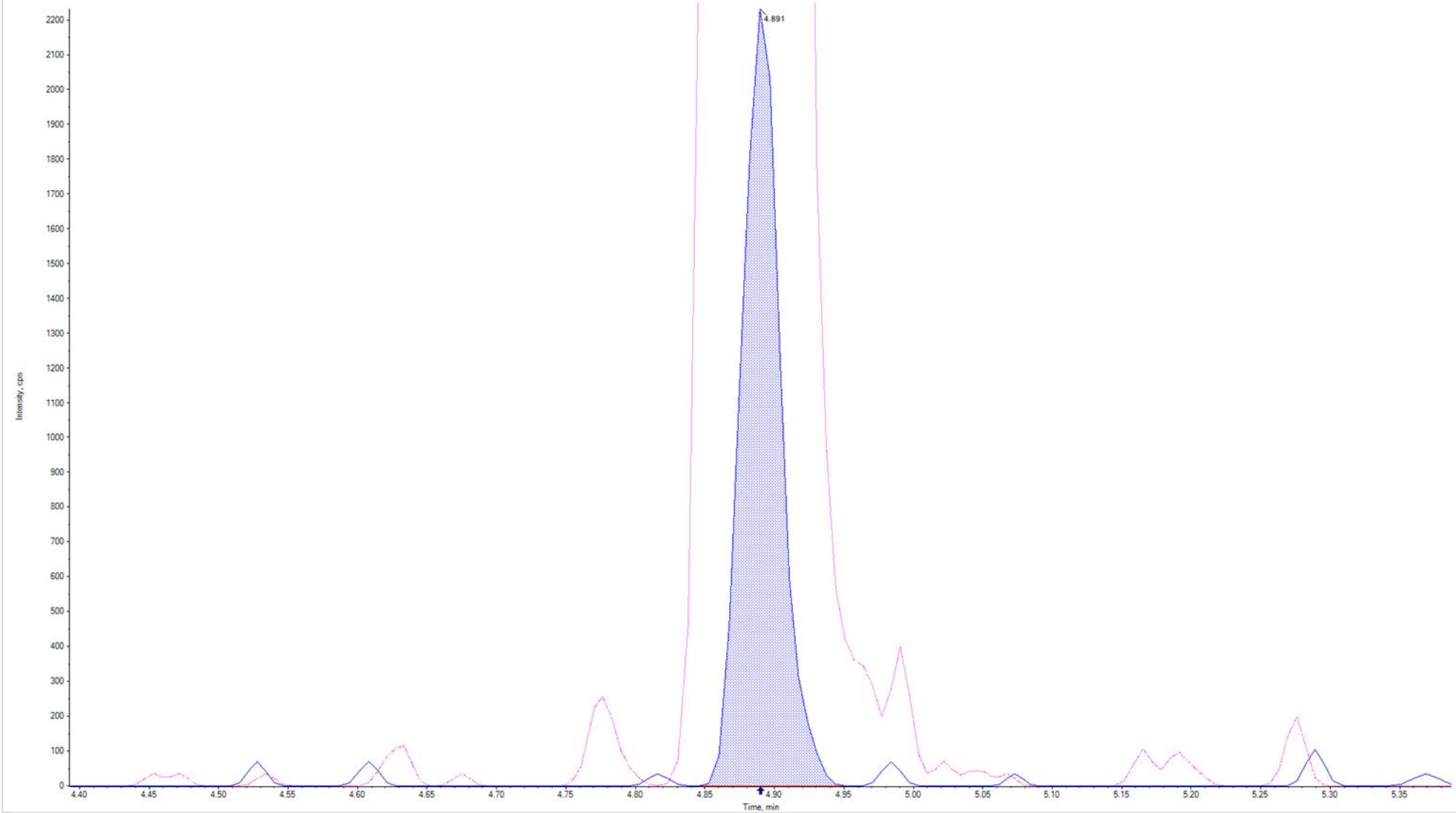
PFDoA_2
Sample: IA1633STD-0.1 S/N:61.5 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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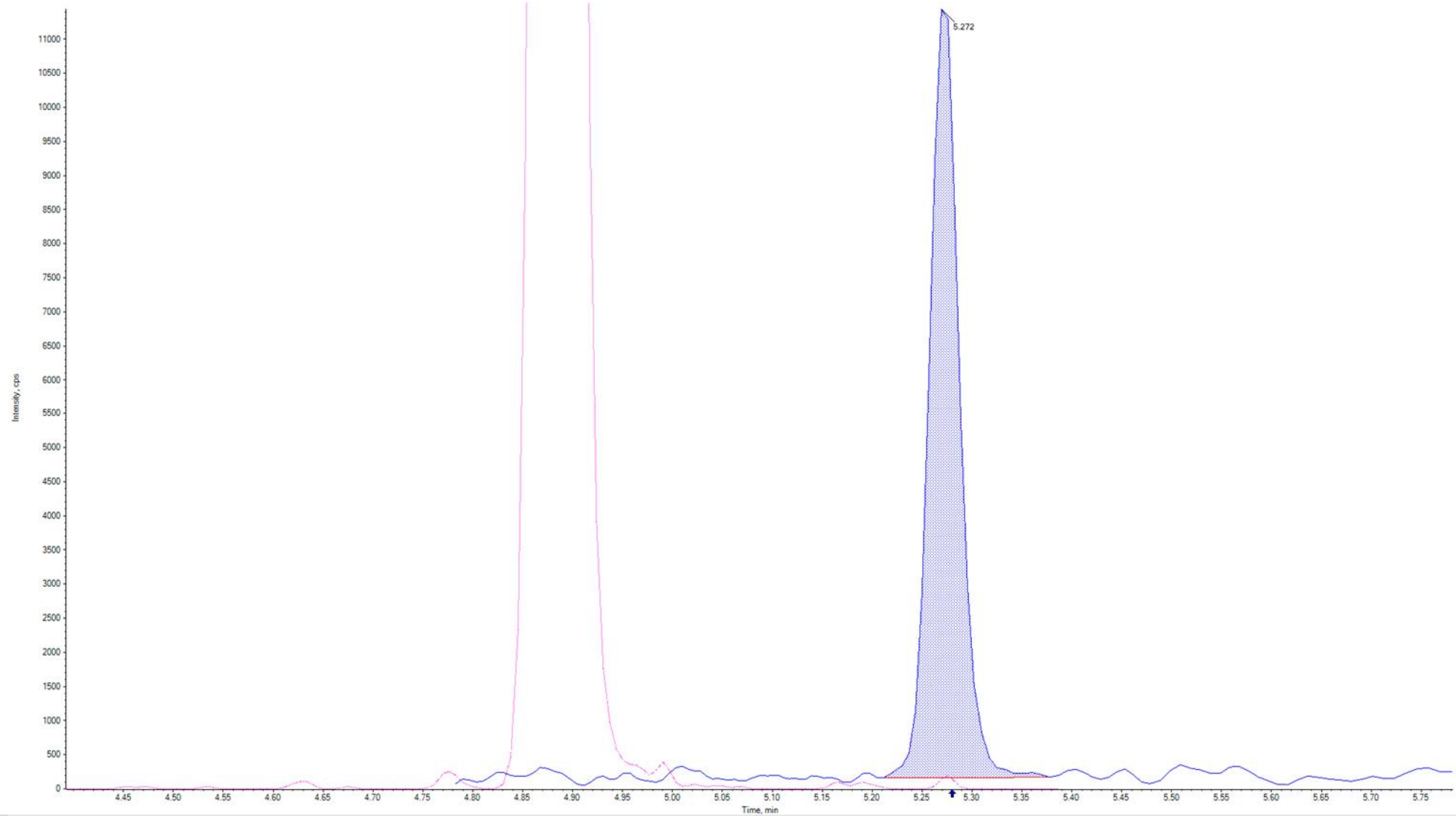
PFTrDA
Sample: IA1633STD-0.1 S/N:452.3 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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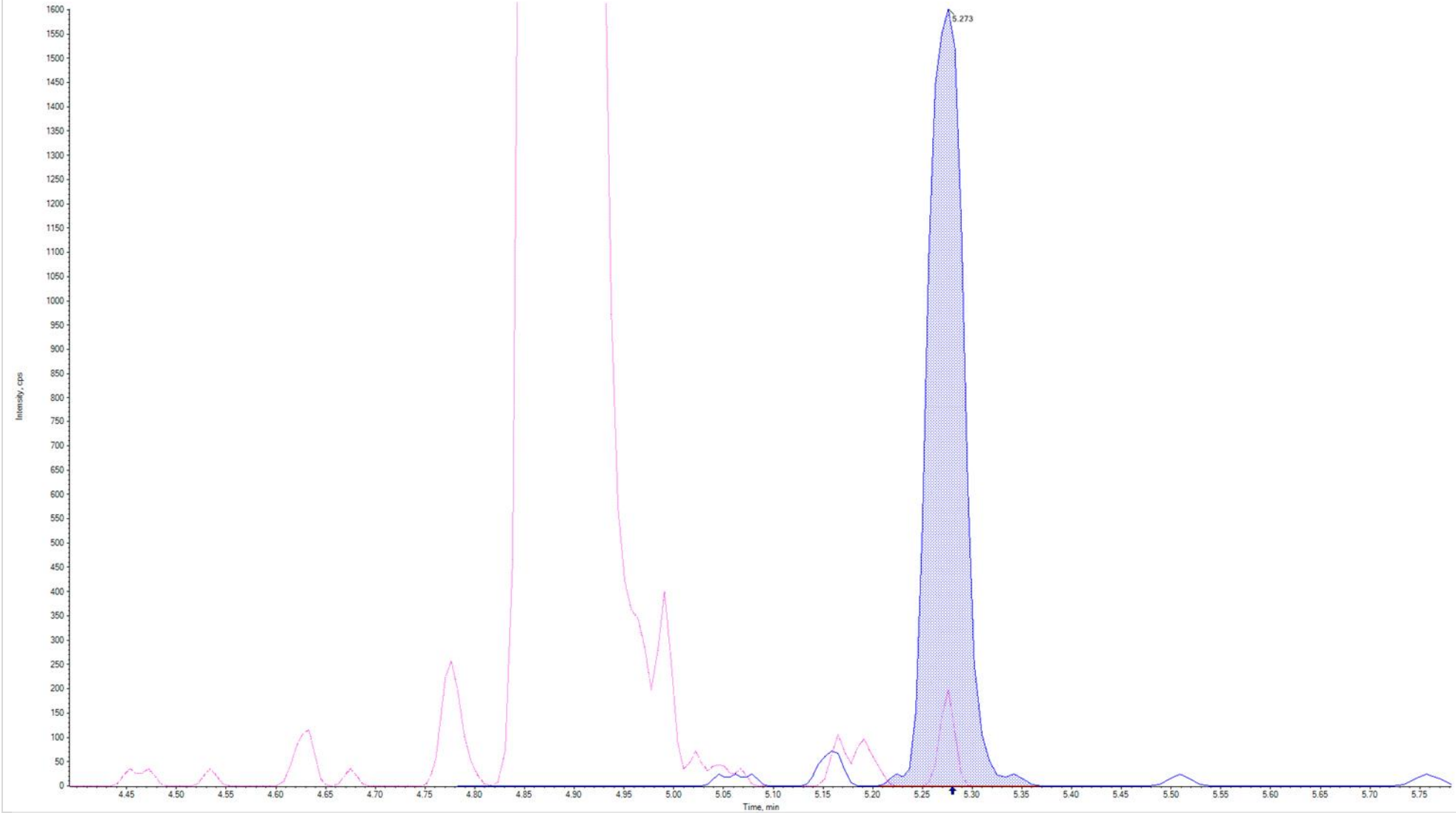
PFTrDA_2
Sample: IA1633STD-0.1 S/N:64.2 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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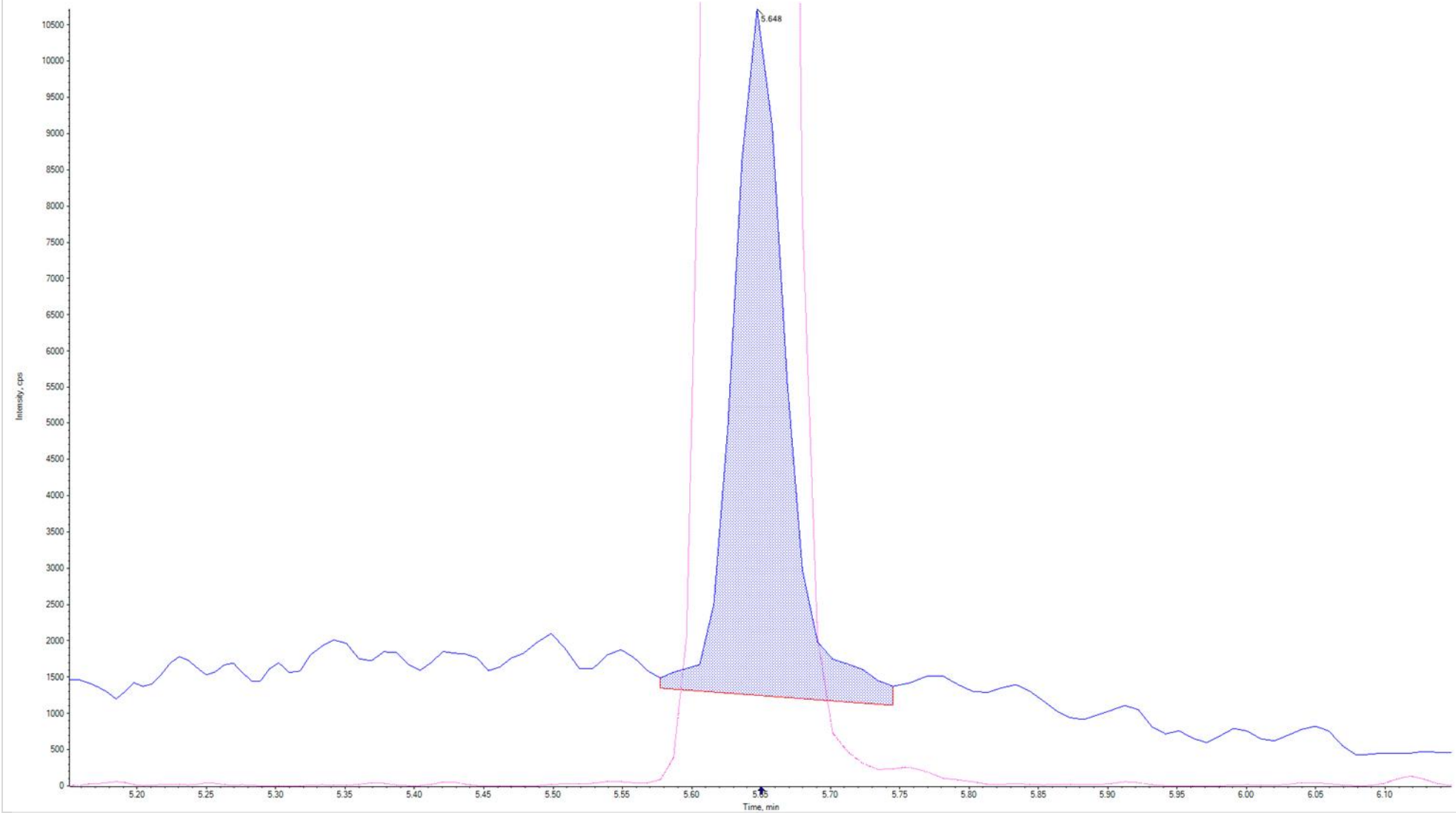
PFTeDA
Sample: IA1633STD-0.1 S/N:149.1 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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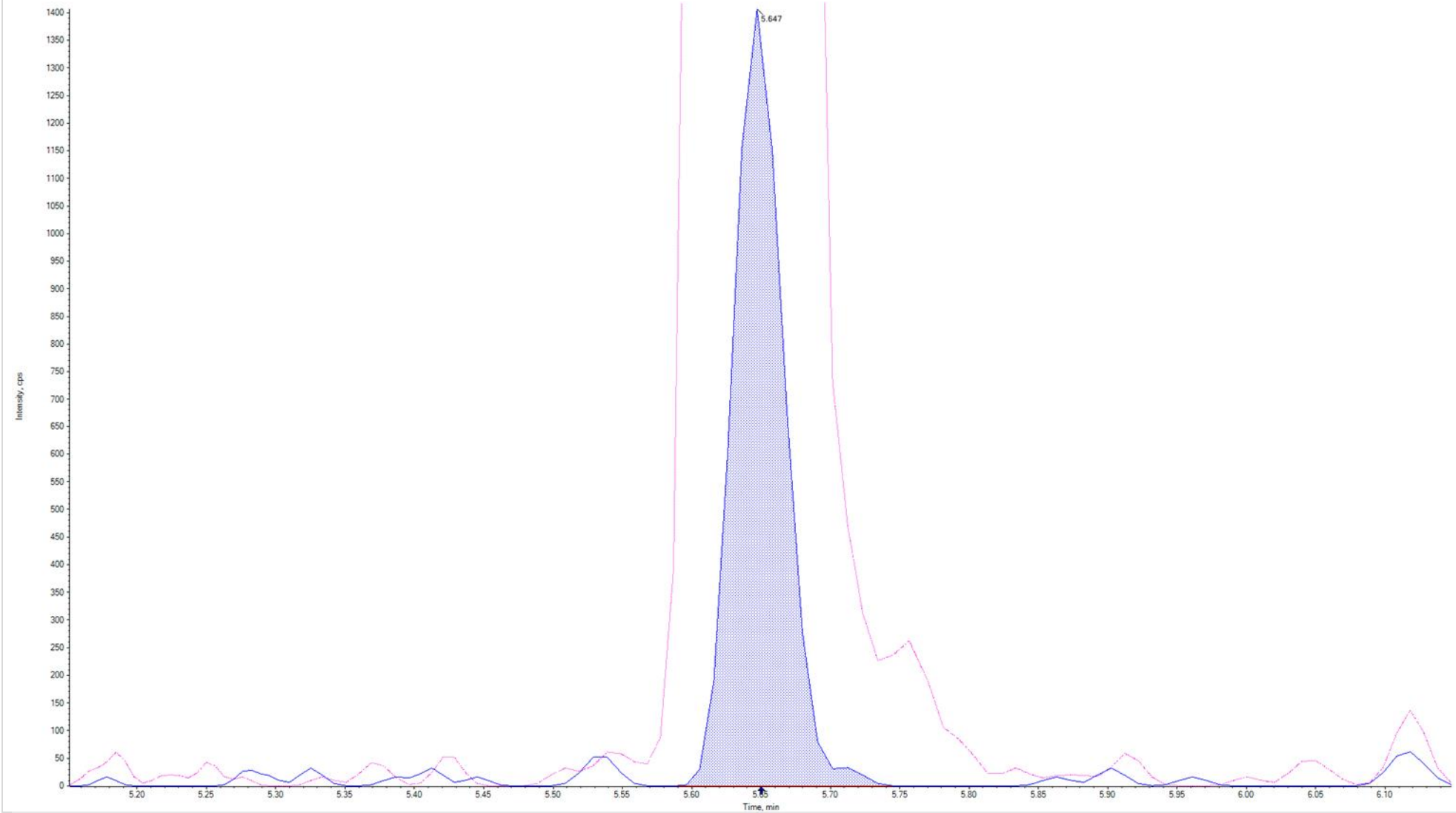
PFTeDA_2
Sample: IA1633STD-0.1 S/N:88.1 Points Across peak:19



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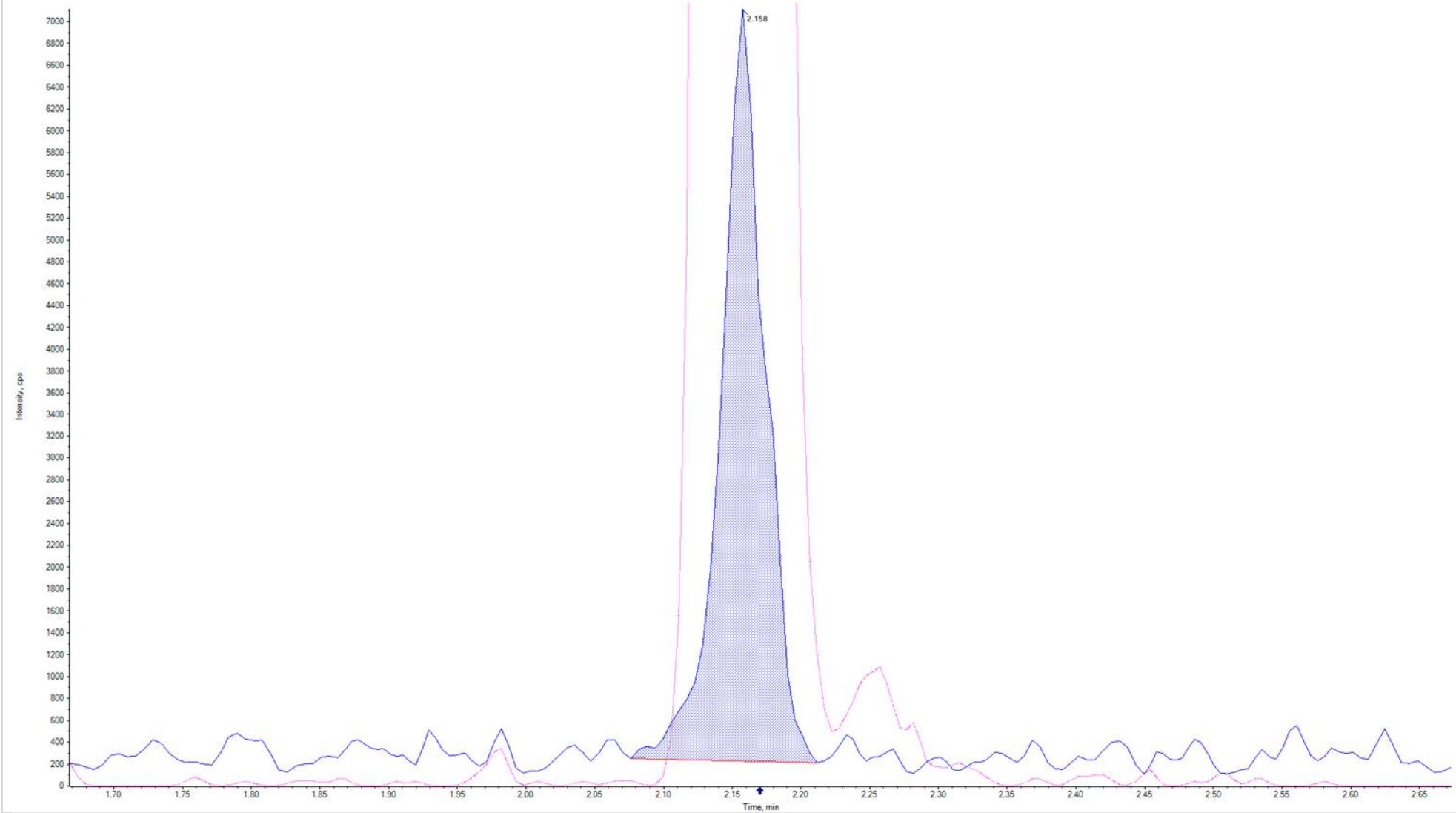
PFBS
Sample: IA1633STD-0.1 S/N:172.6 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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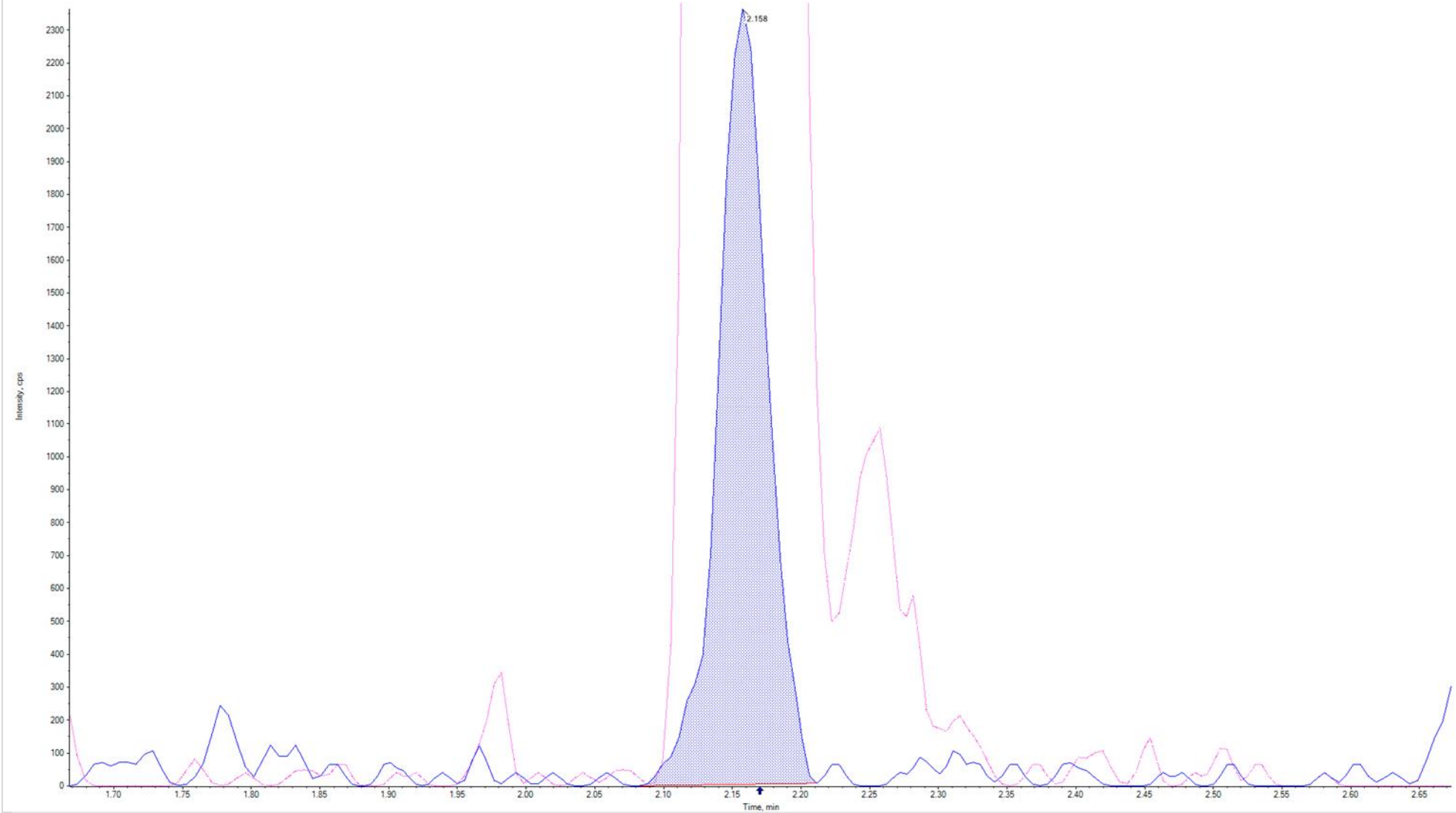
PFBS_2
Sample: IA1633STD-0.1 S/N:59.1 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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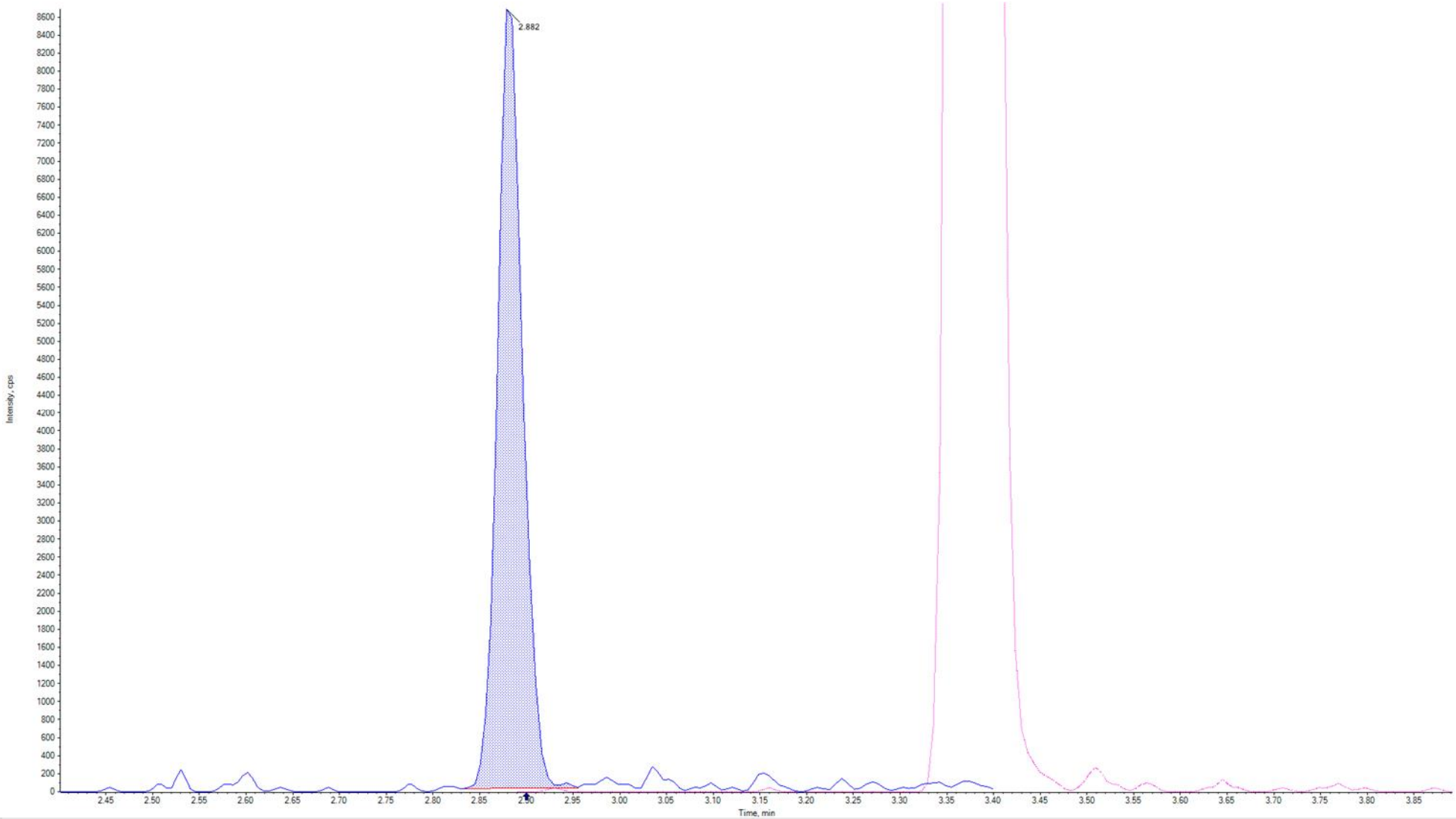
Generated: 11/15/2024 2:54:34 PM

PFPeS
Sample: IA1633STD-0.1 S/N:173.5 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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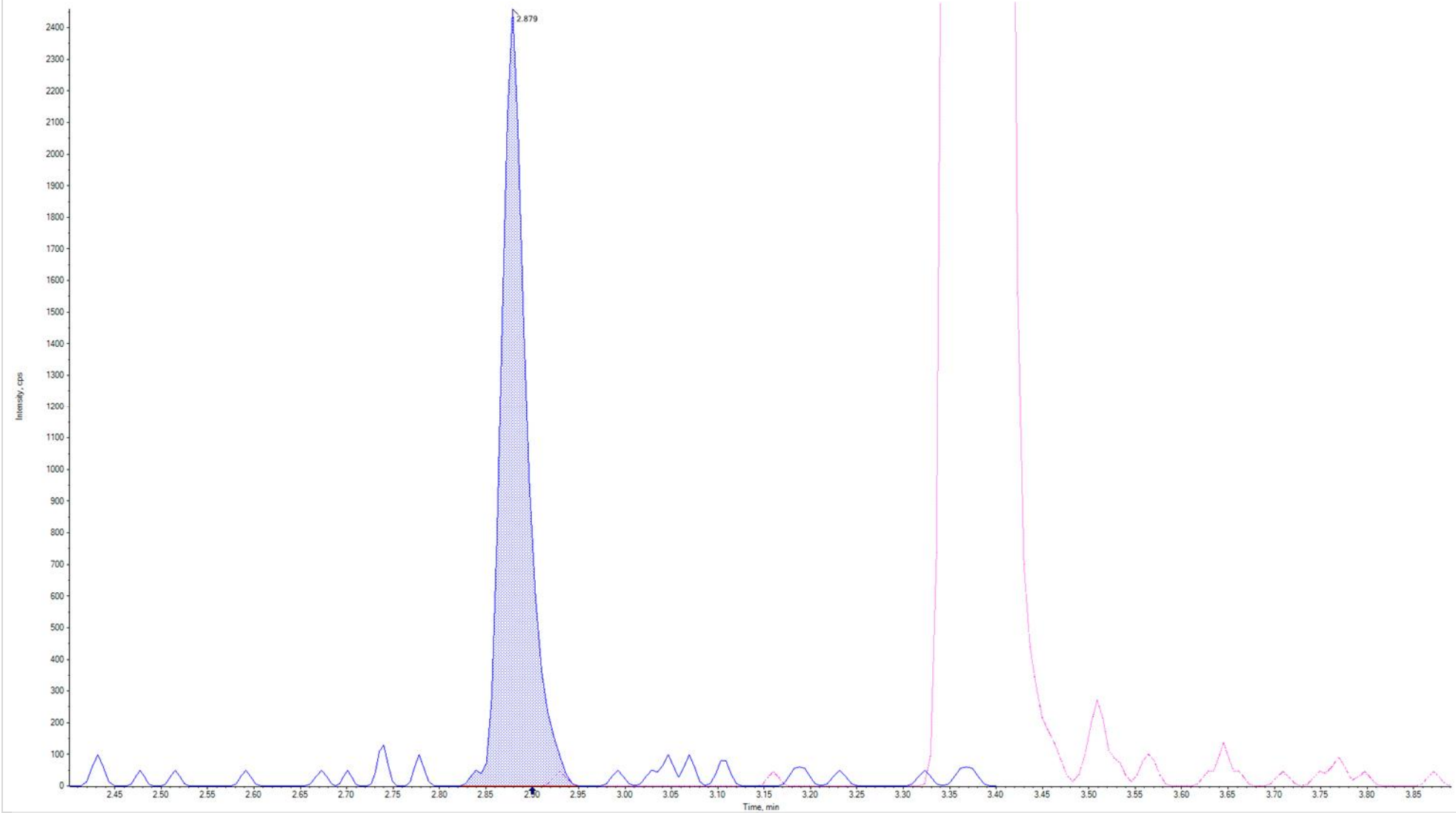
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

PFPeS_2
Sample: IA1633STD-0.1 S/N:49.3 Points Across peak:26



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Alpha Analytical LLC
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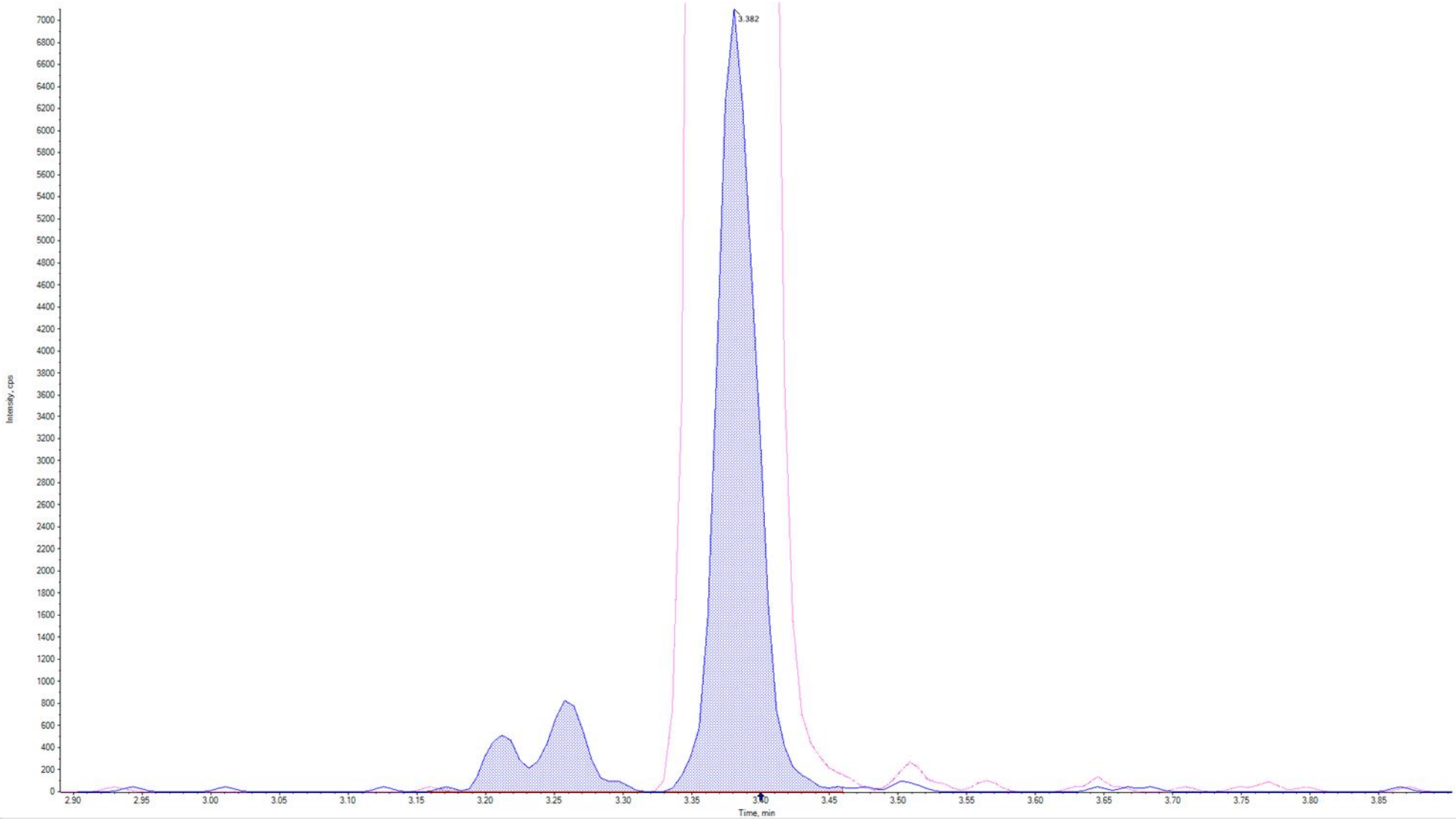
Generated: 11/15/2024 2:54:34 PM

PFHxS
Sample: IA1633STD-0.1 S/N:160.2 Points Across peak:50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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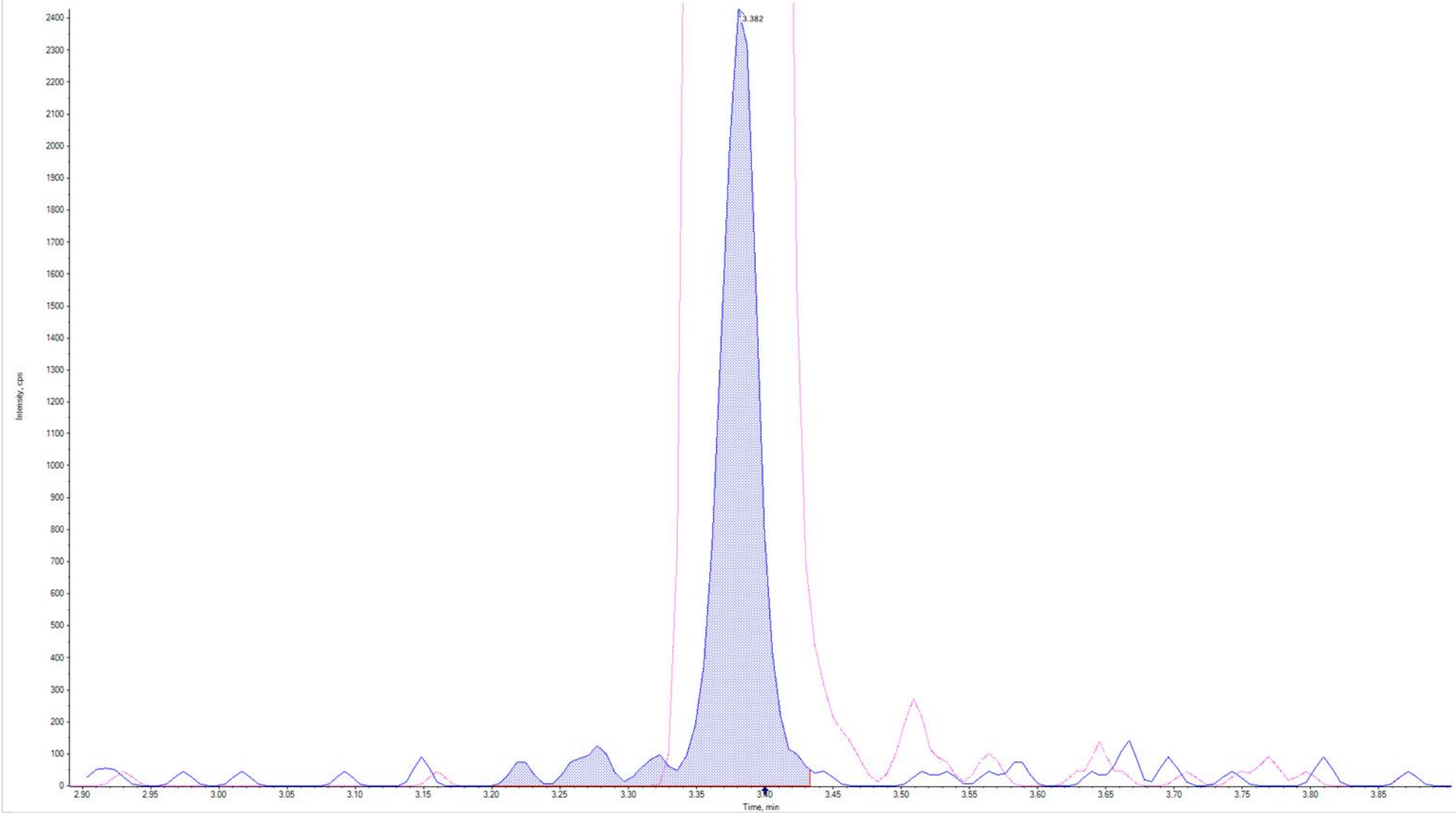
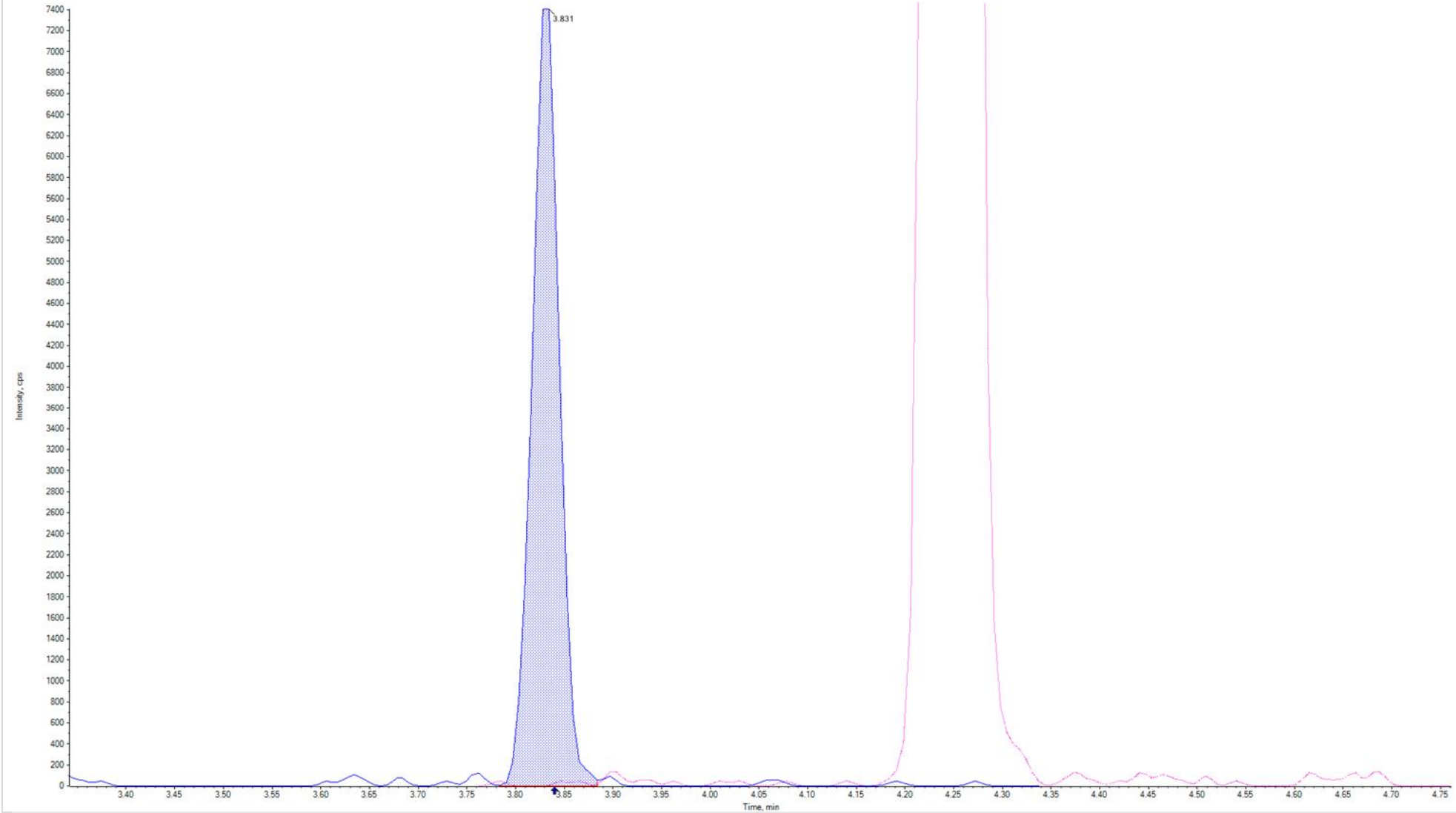
Generated: 11/15/2024 2:54:34 PM

PFHxS_2
Sample: IA1633STD-0.1 S/N:54.8 Points Across peak:39



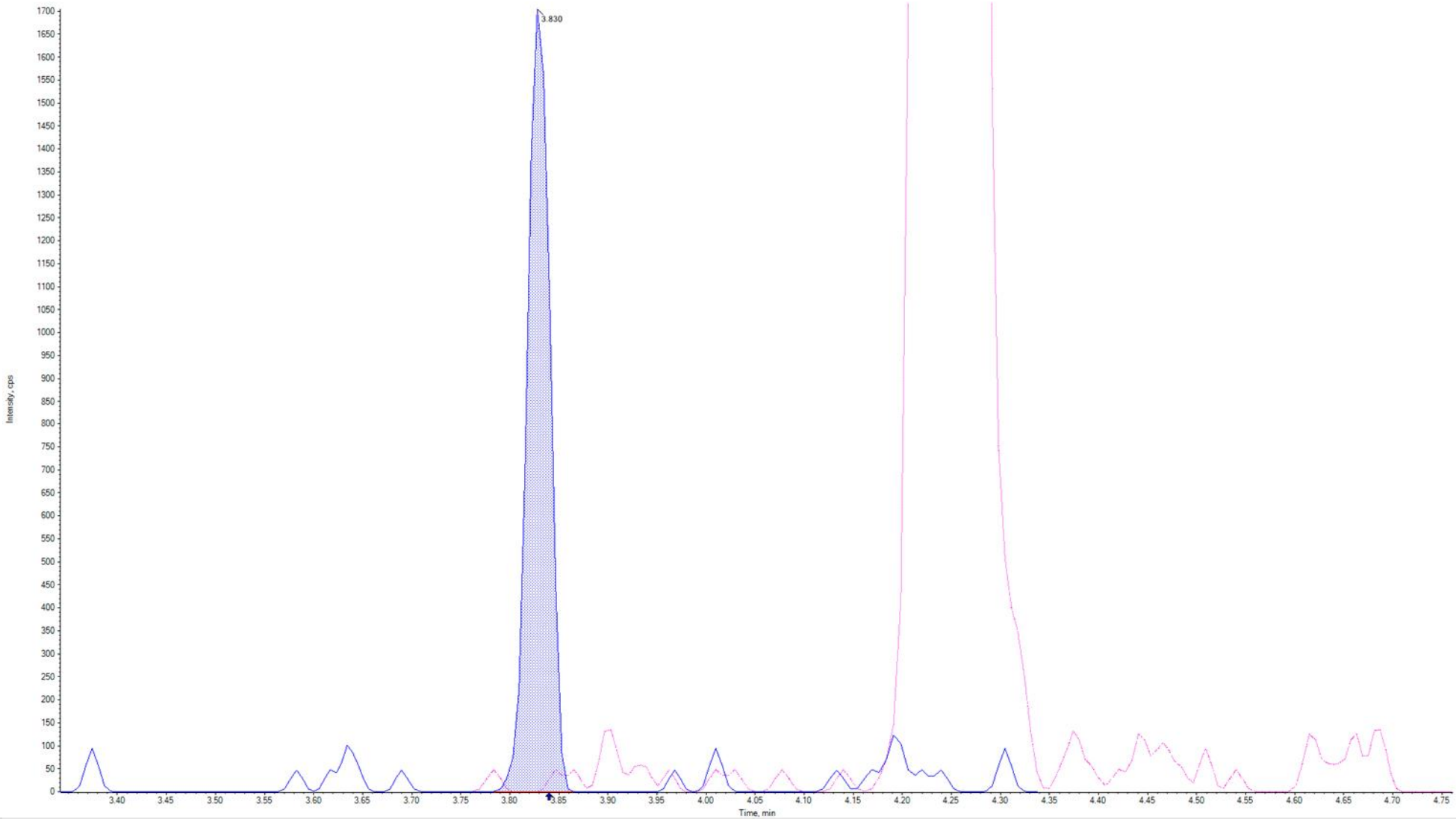
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

PFHpS
Sample: IA1633STD-0.1 S/N:148.5 Points Across peak:17



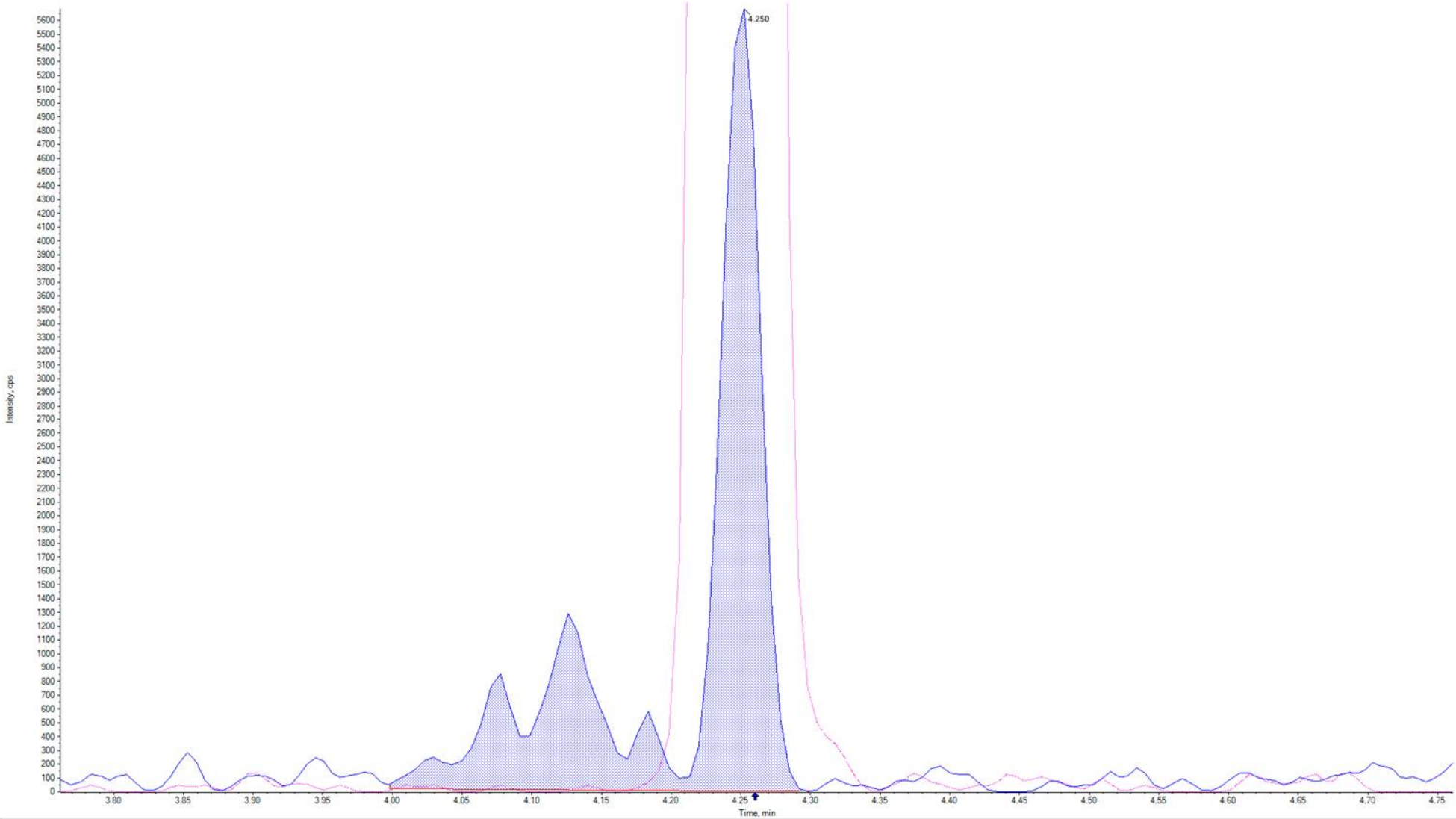
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

PFHpS_2
Sample: IA1633STD-0.1 S/N:34.2 Points Across peak:23



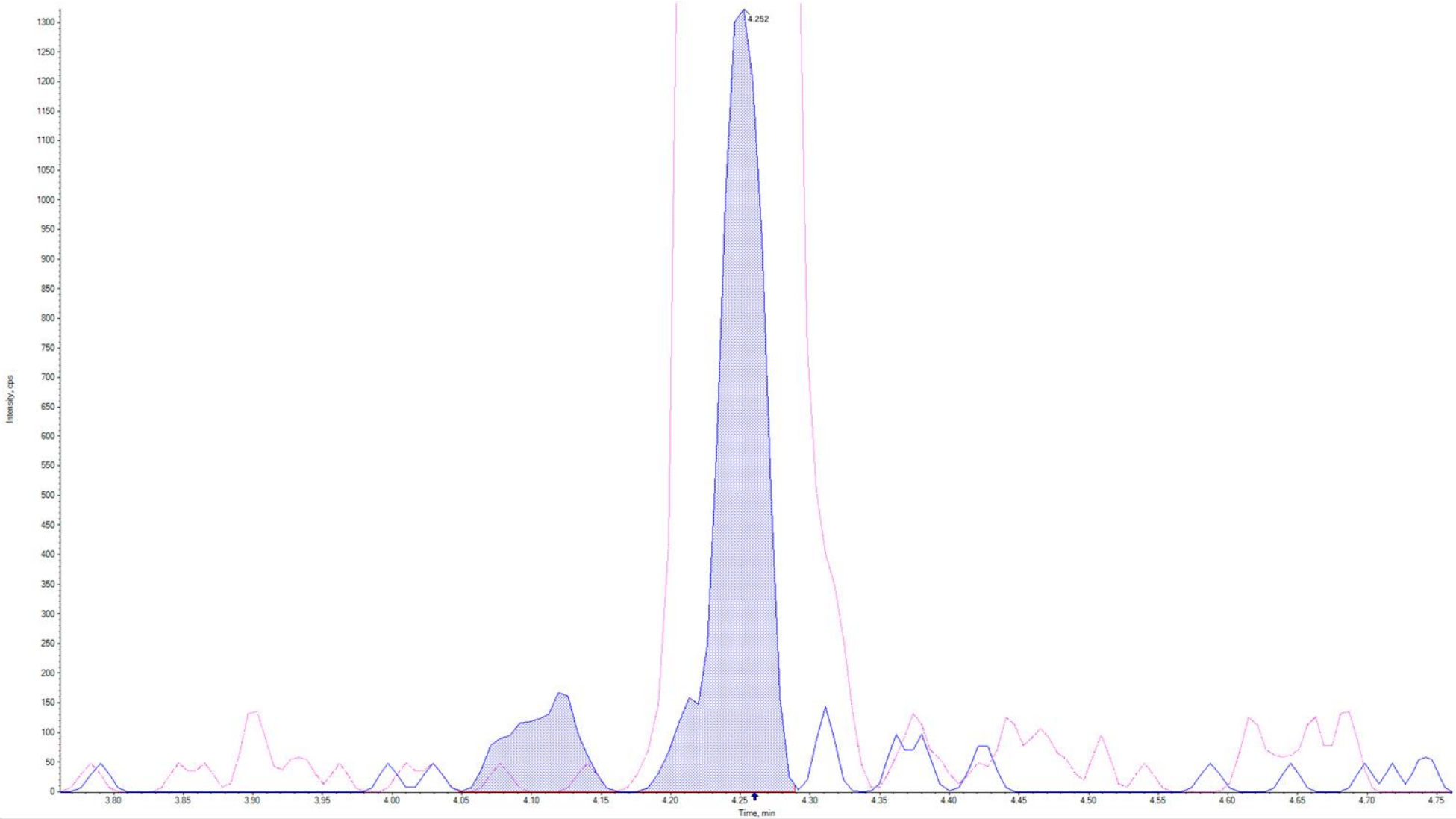
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

PFOS
Sample: IA1633STD-0.1 S/N:103.3 Points Across peak:46



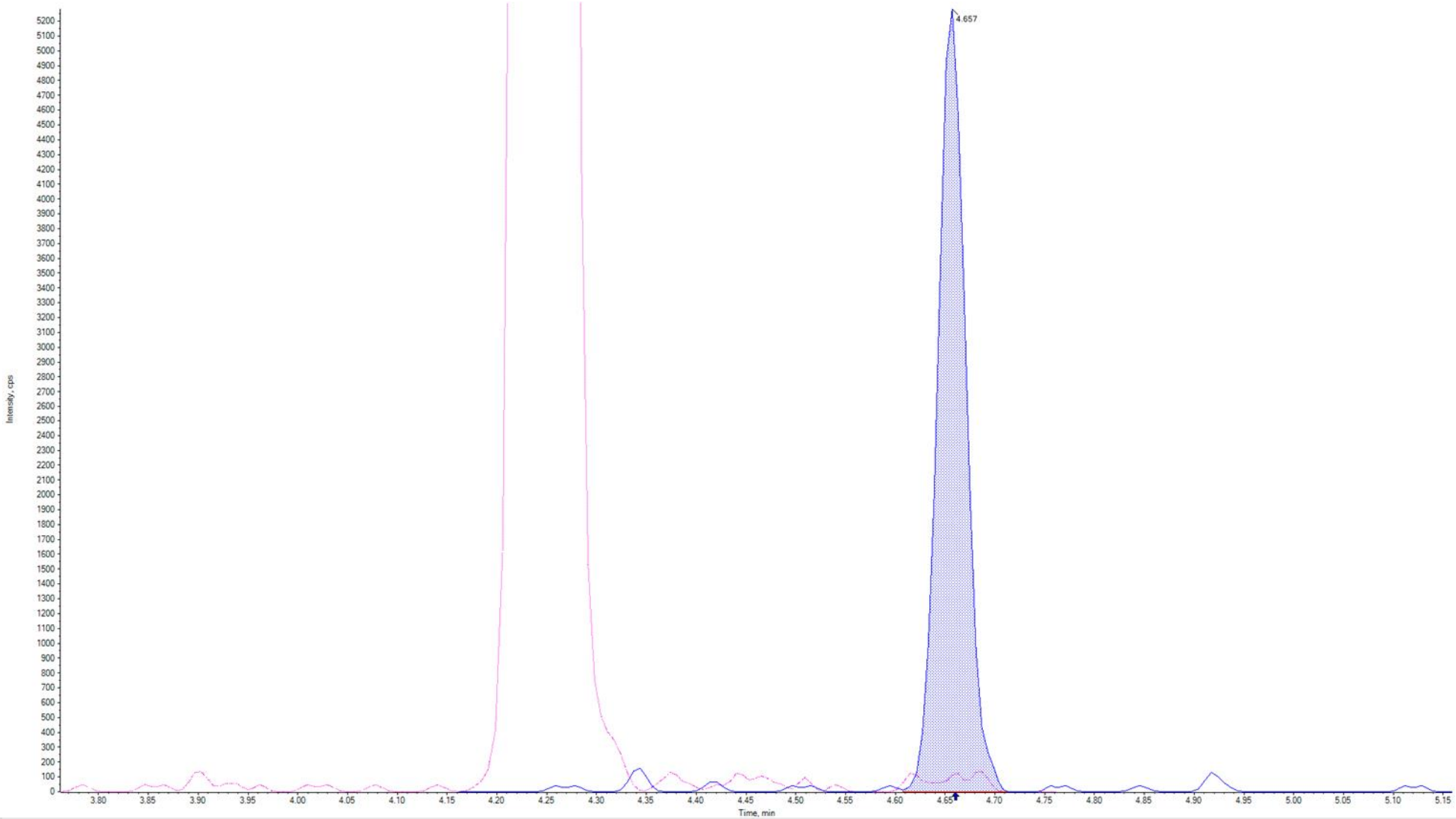
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

PFOS_2
Sample: IA1633STD-0.1 S/N:26.5 Points Across peak:37



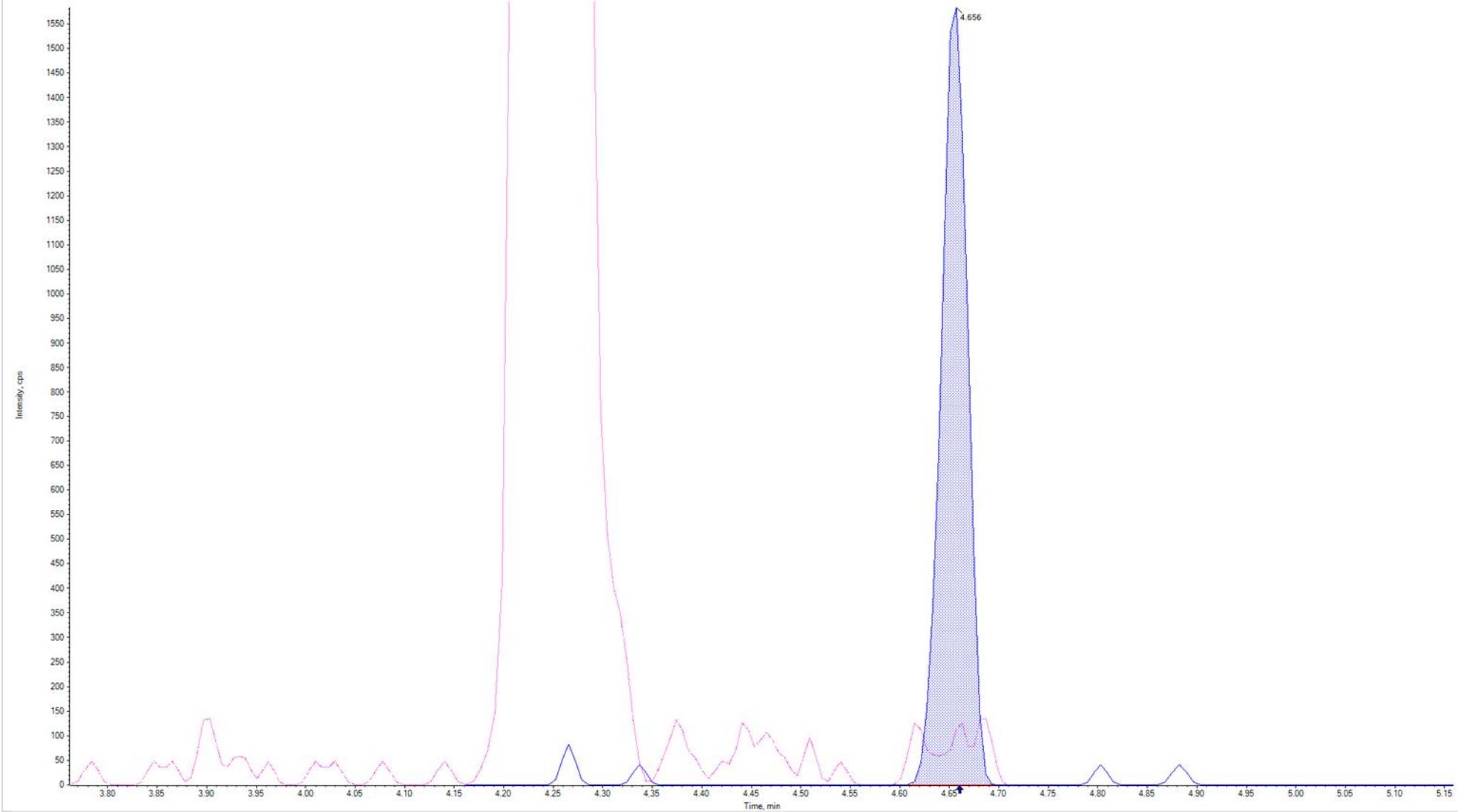
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

PFNS
Sample: IA1633STD-0.1 S/N:132.4 Points Across peak:22



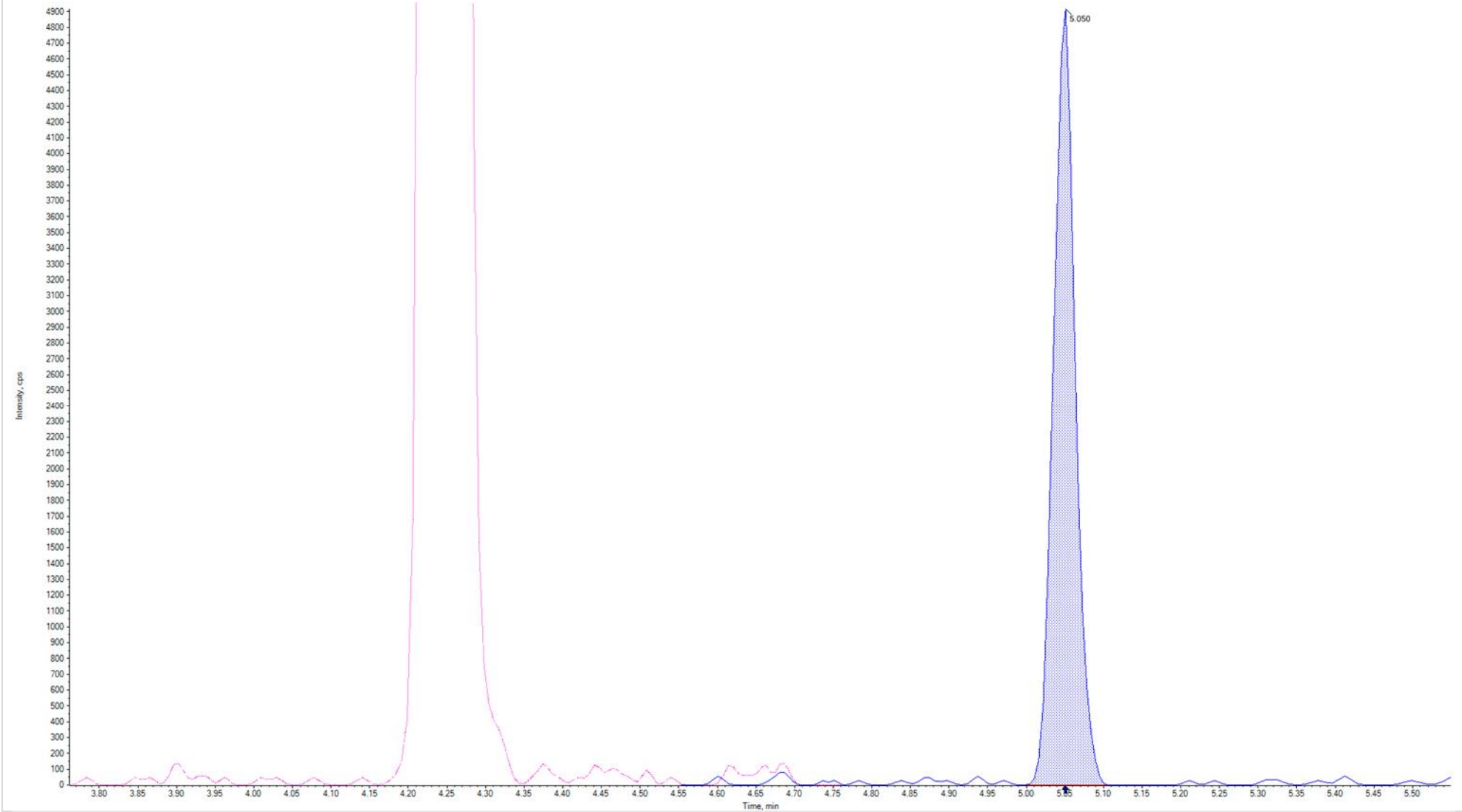
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

PFNS_2
Sample: IA1633STD-0.1 S/N:39.7 Points Across peak:25



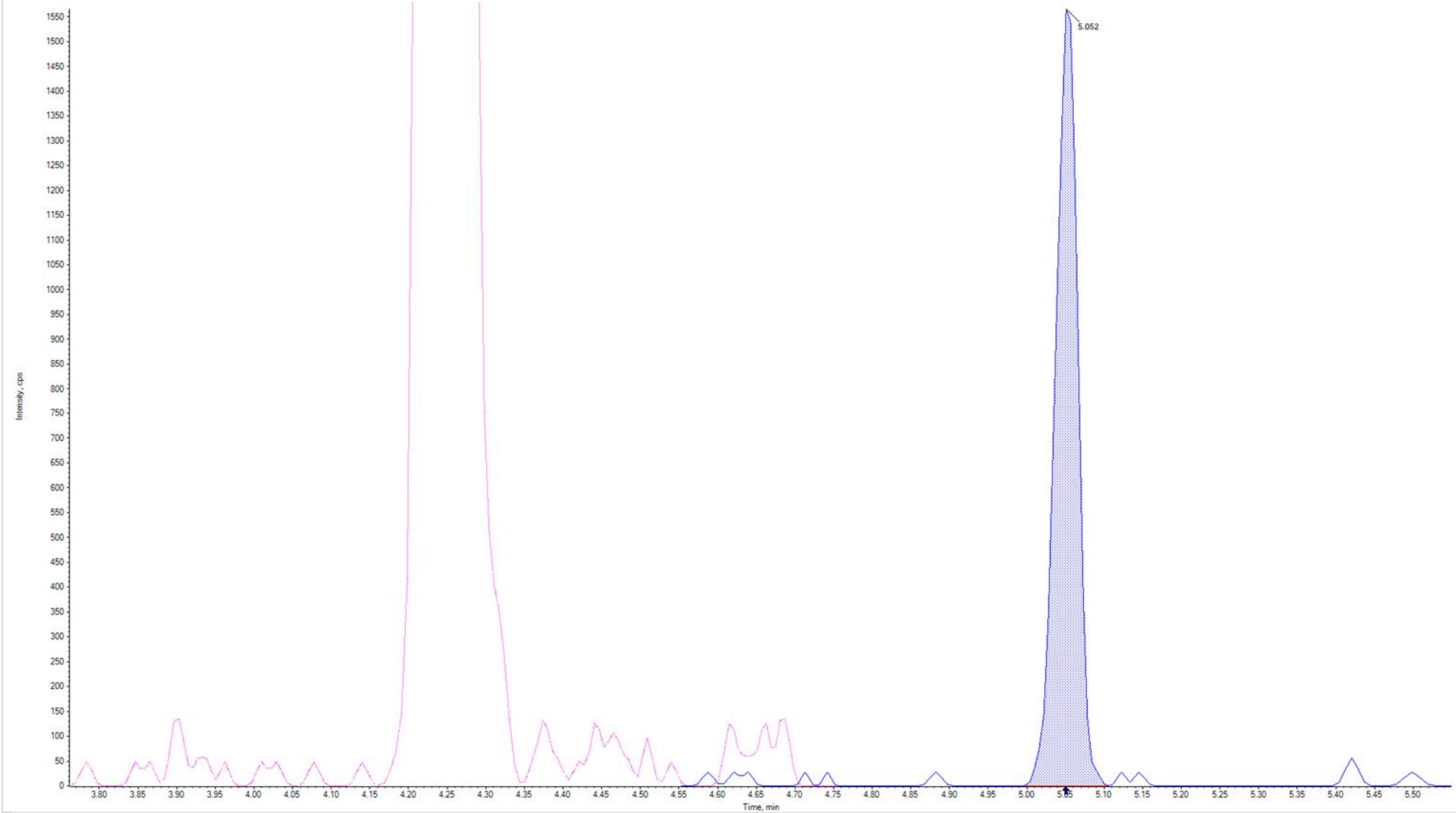
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

PFDS
Sample: IA1633STD-0.1 S/N:172.5 Points Across peak:23



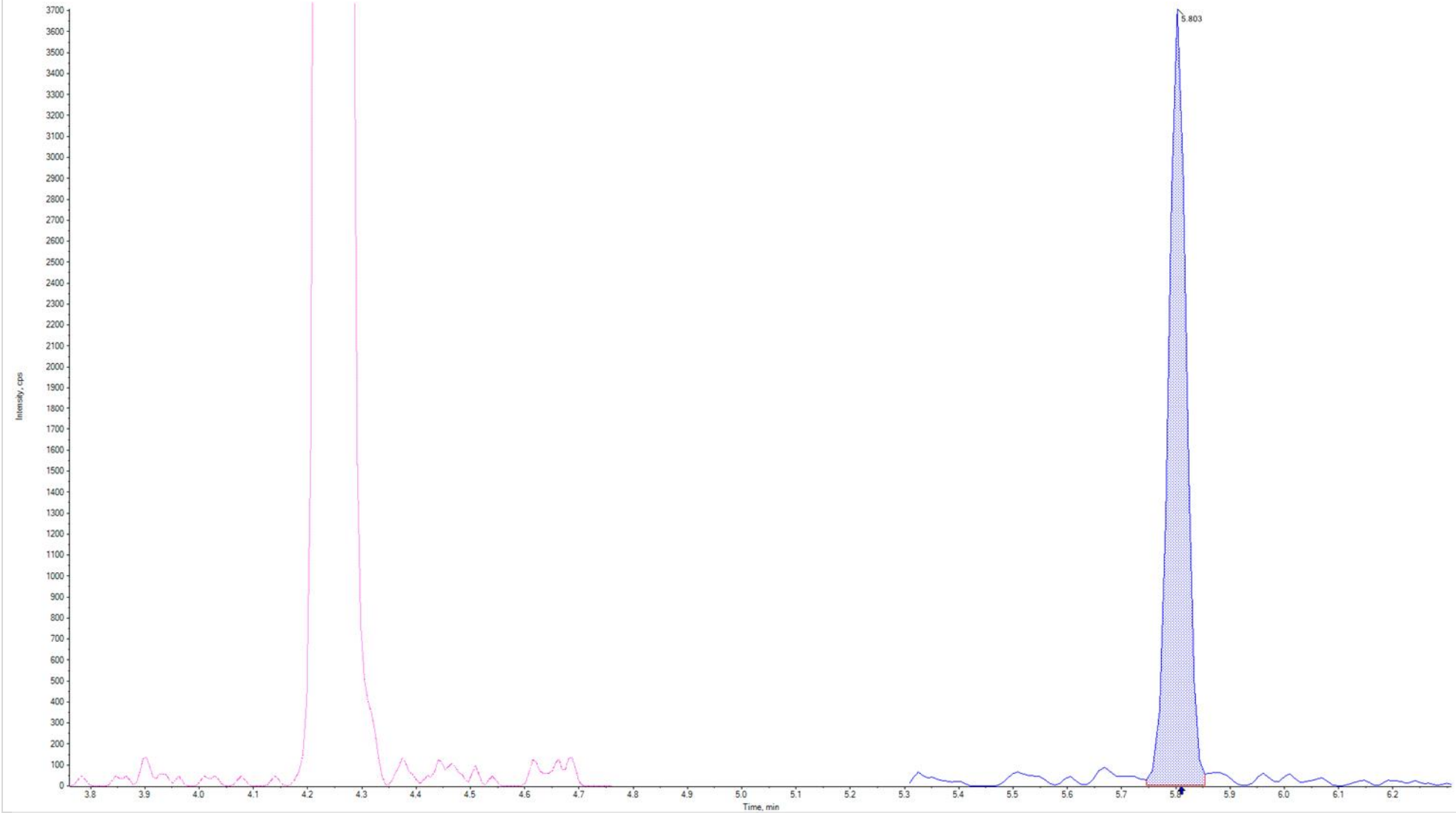
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

PFDS_2
Sample: IA1633STD-0.1 S/N:54.9 Points Across peak:25



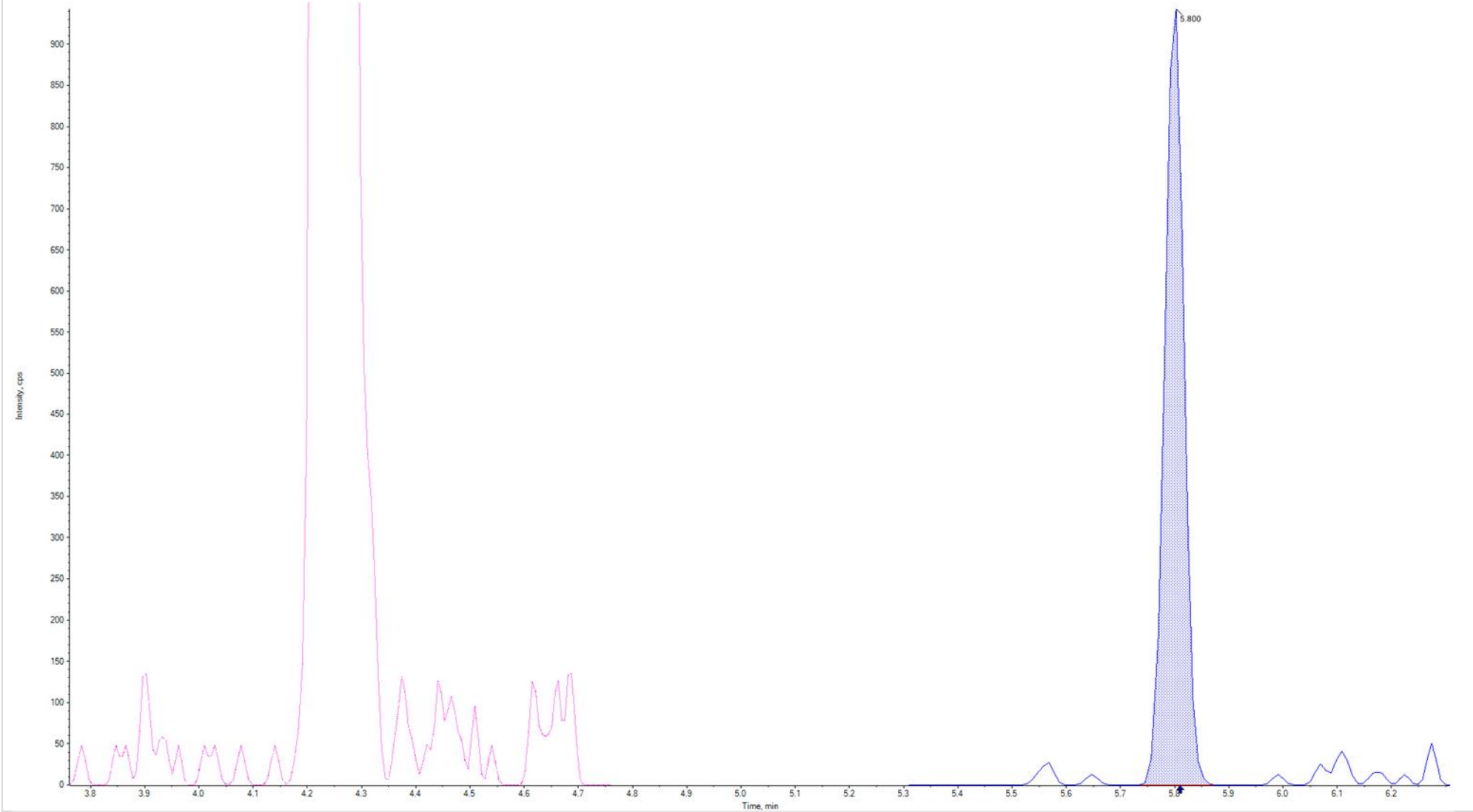
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

PFDoS
Sample: IA1633STD-0.1 S/N:287.8 Points Across peak:11



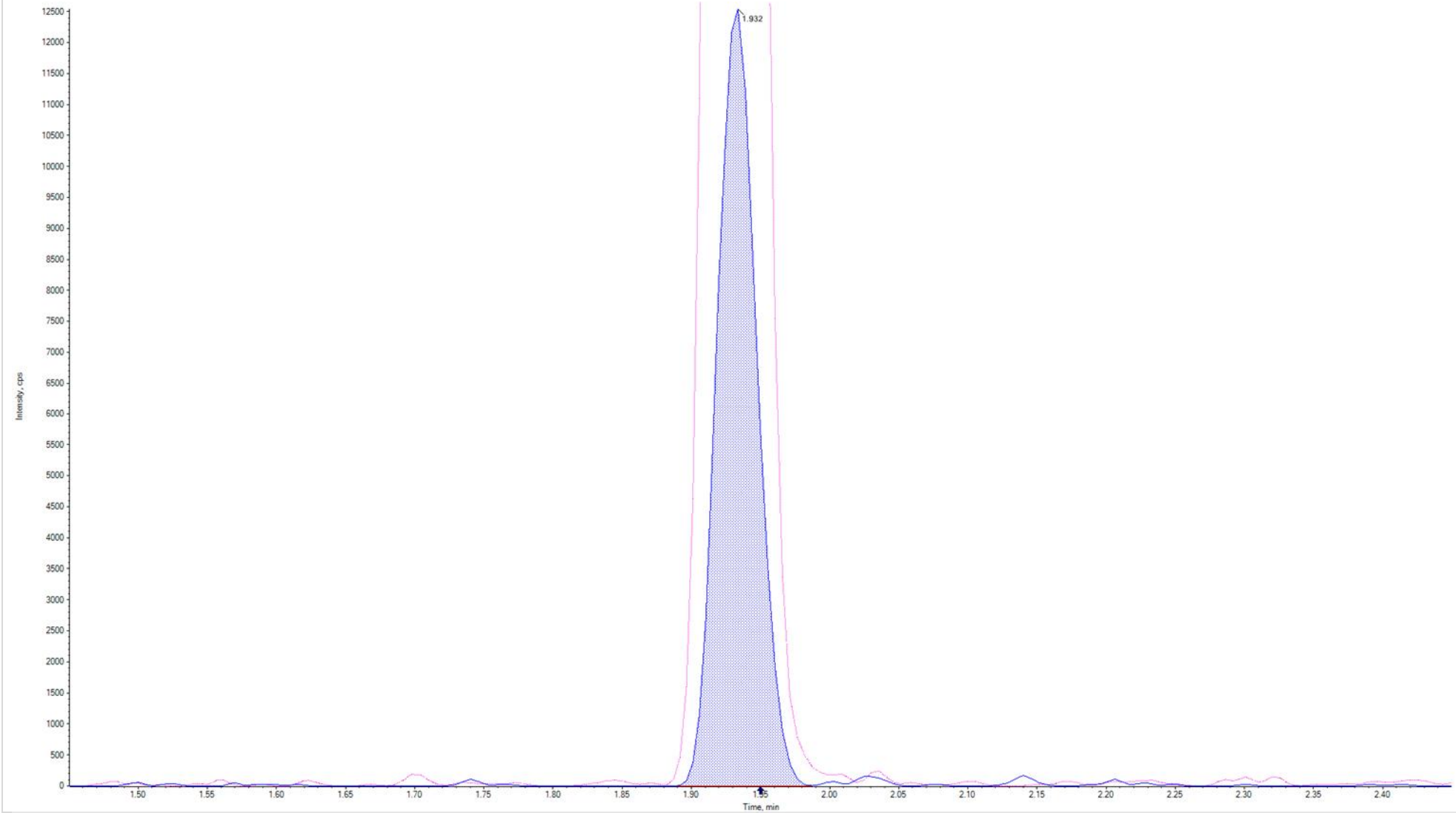
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

PFDoS_2
Sample: IA1633STD-0.1 S/N:73.2 Points Across peak:20



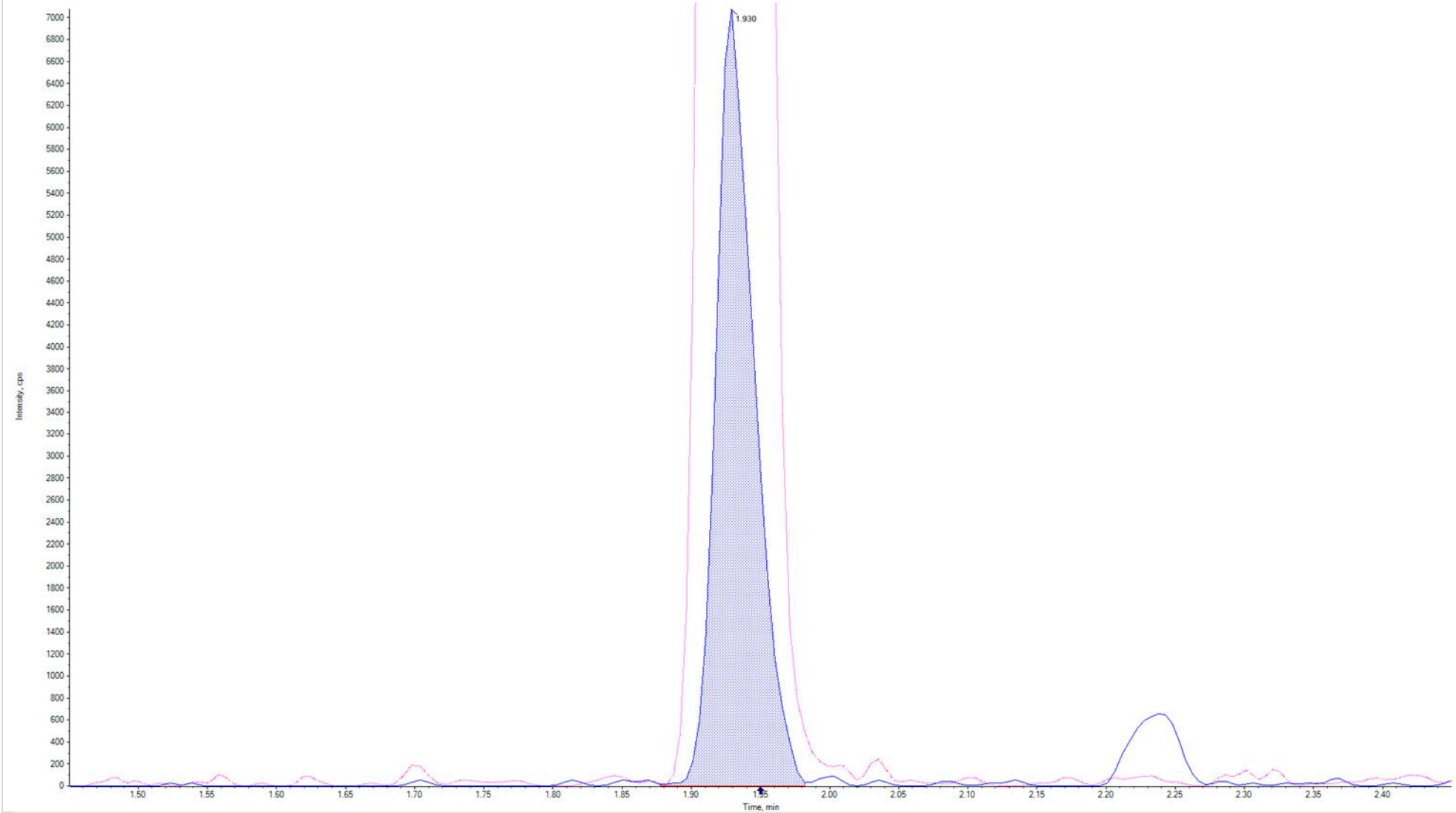
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

4:2FTS
Sample: IA1633STD-0.1 S/N:471.5 Points Across peak:23



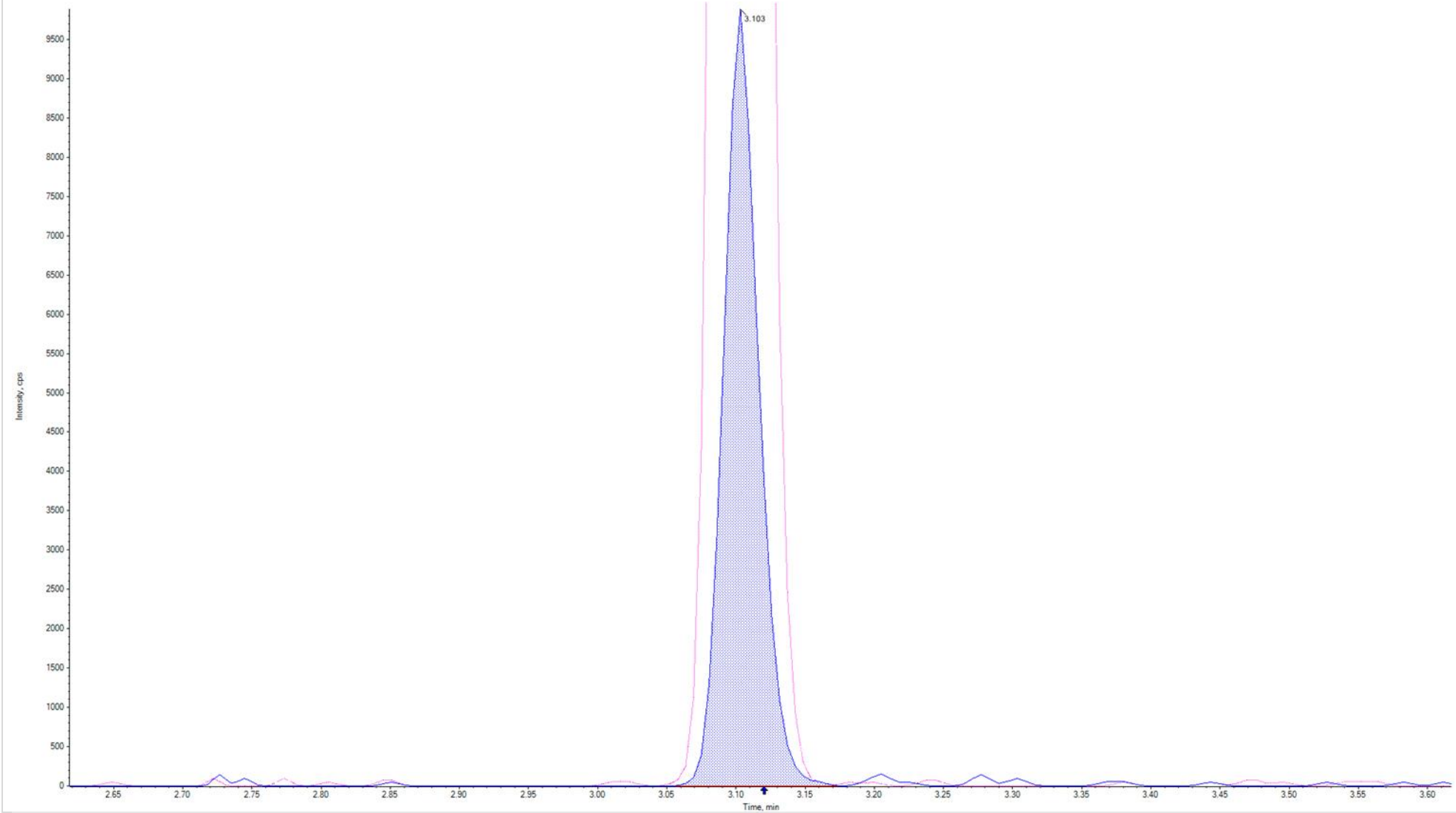
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

4:2FTS_2
Sample: IA1633STD-0.1 S/N:266.1 Points Across peak:22



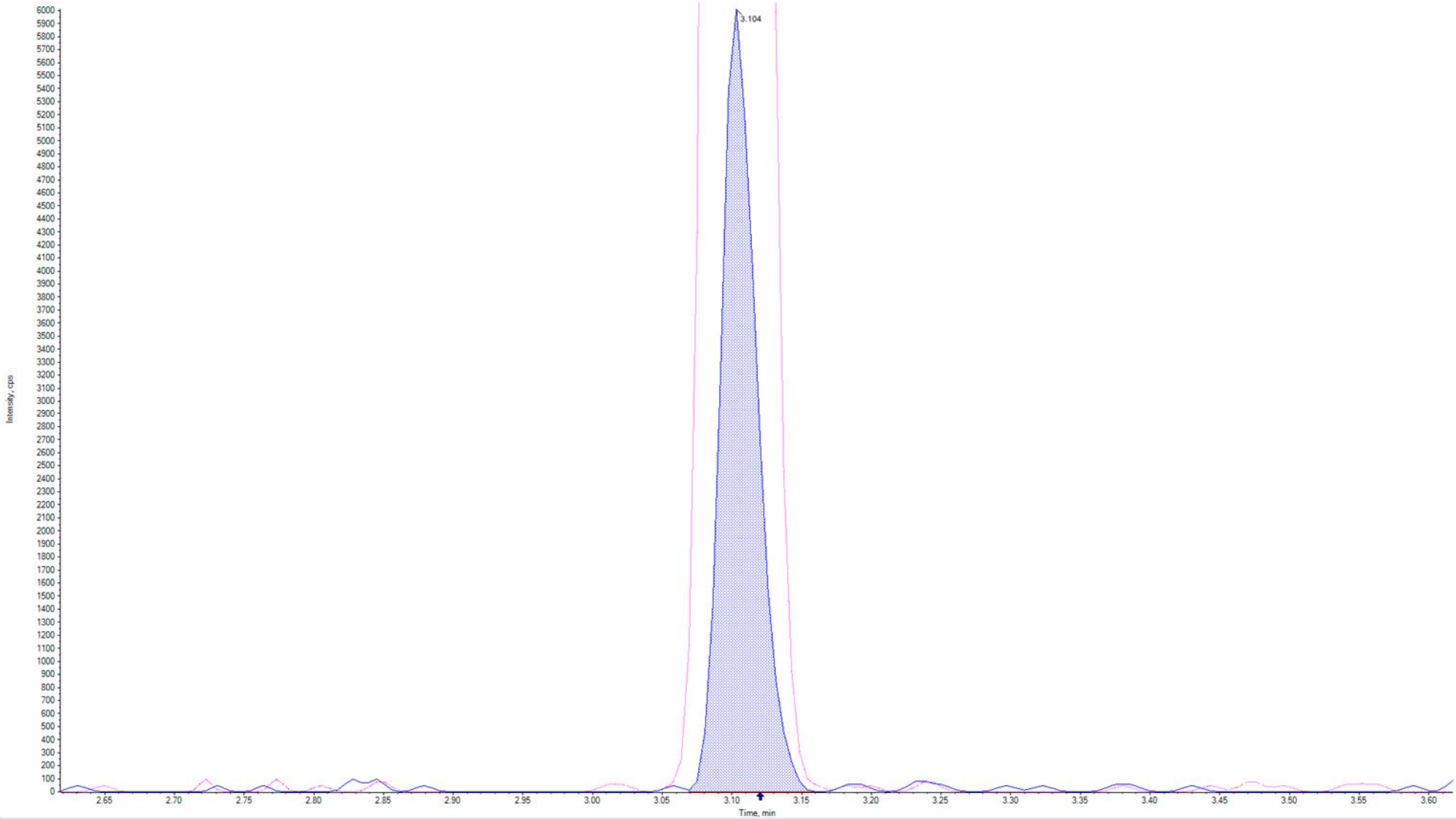
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

6:2FTS
Sample: IA1633STD-0.1 S/N:198.3 Points Across peak:25



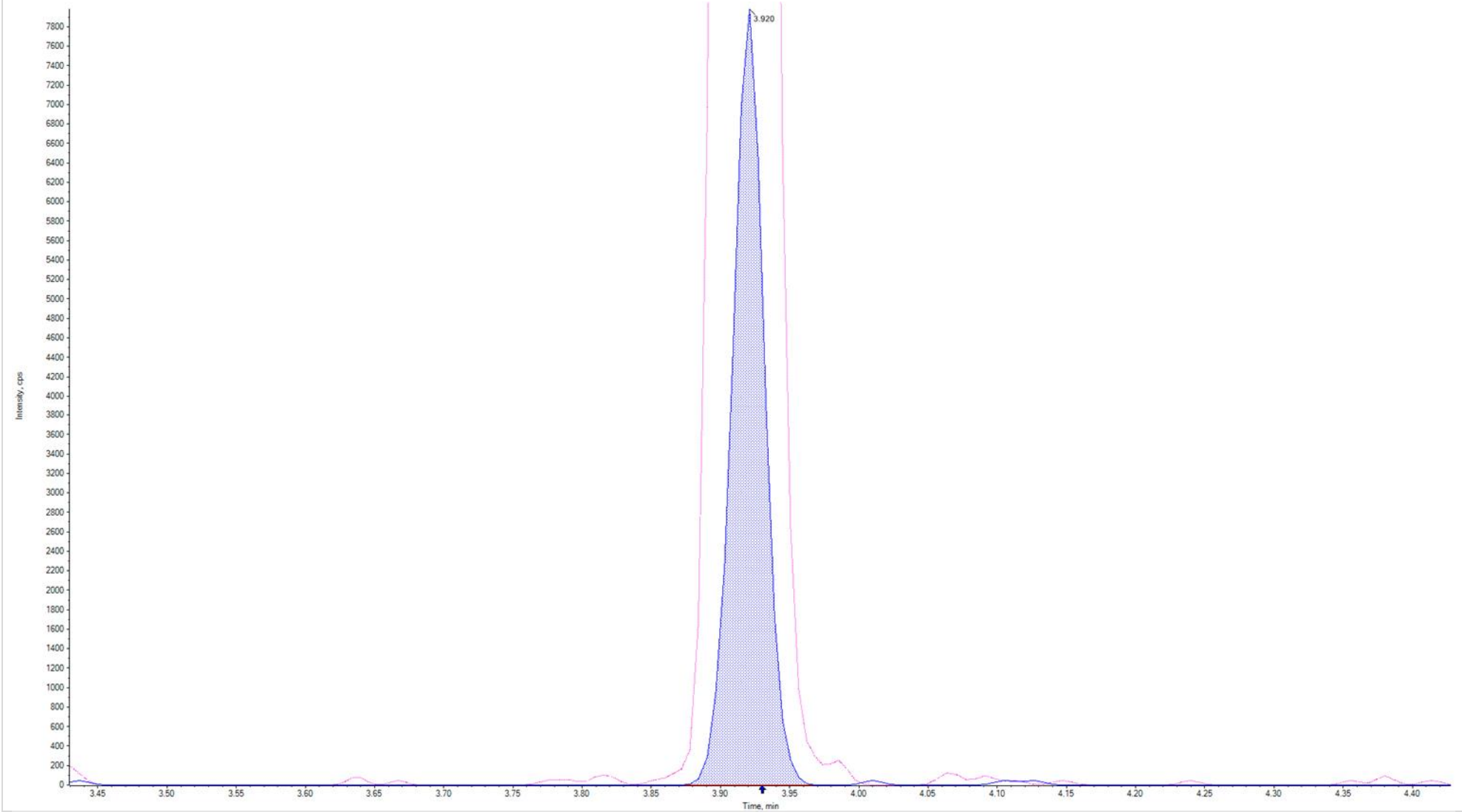
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

6:2FTS_2
Sample: IA1633STD-0.1 S/N:120.5 Points Across peak:18



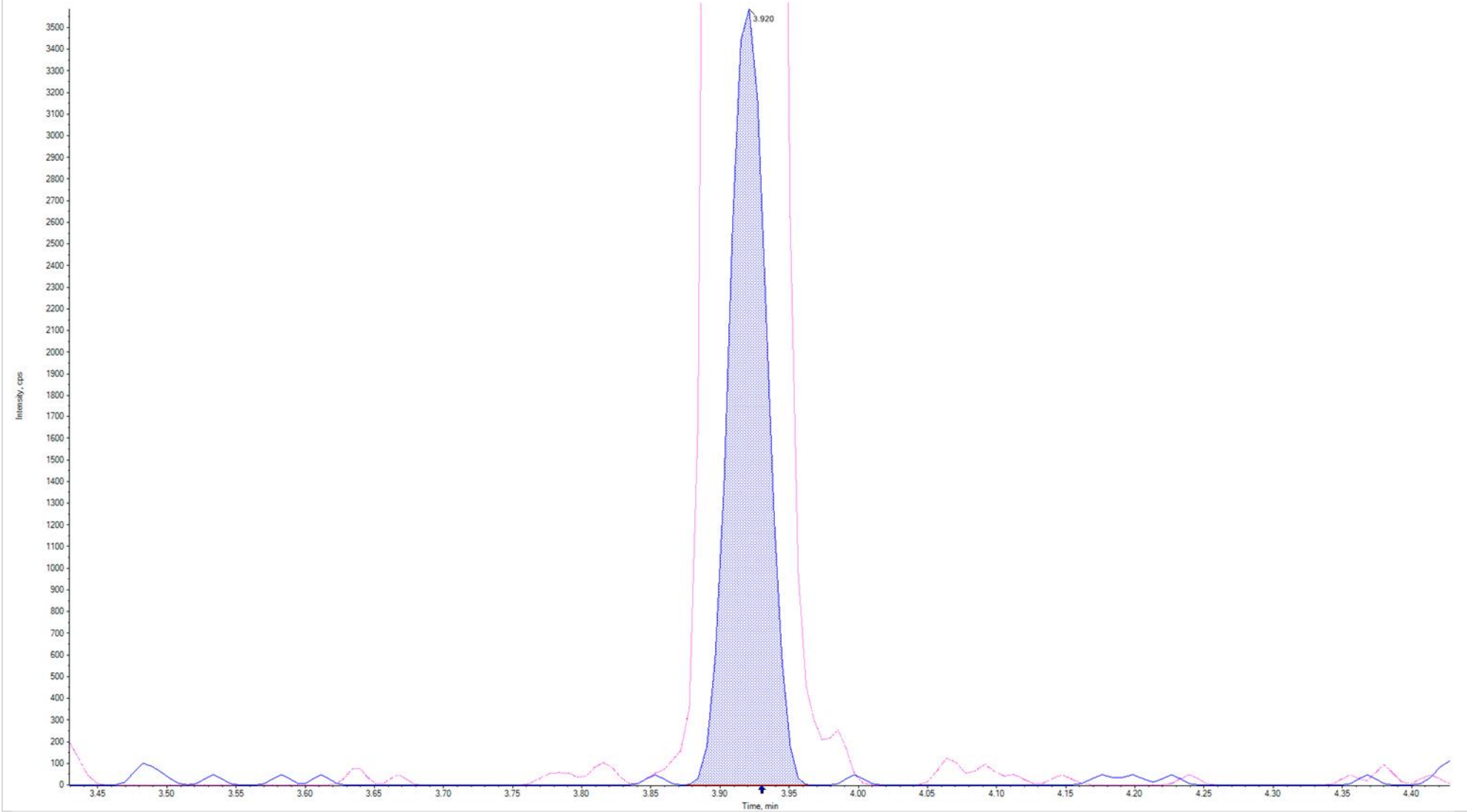
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

8:2FTS
Sample: IA1633STD-0.1 S/N:160.0 Points Across peak:22



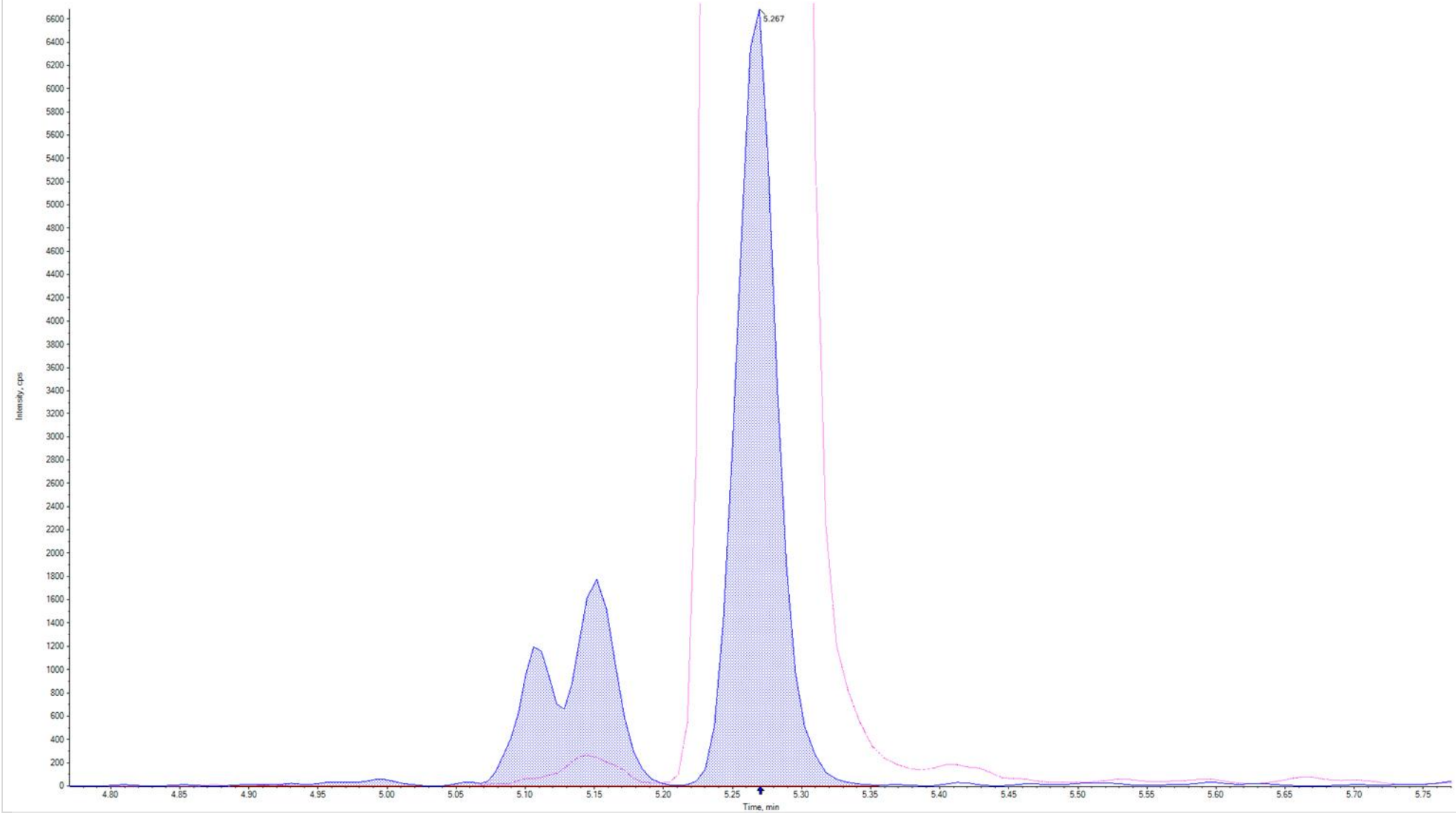
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

8:2FTS_2
Sample: IA1633STD-0.1 S/N:71.9 Points Across peak:18



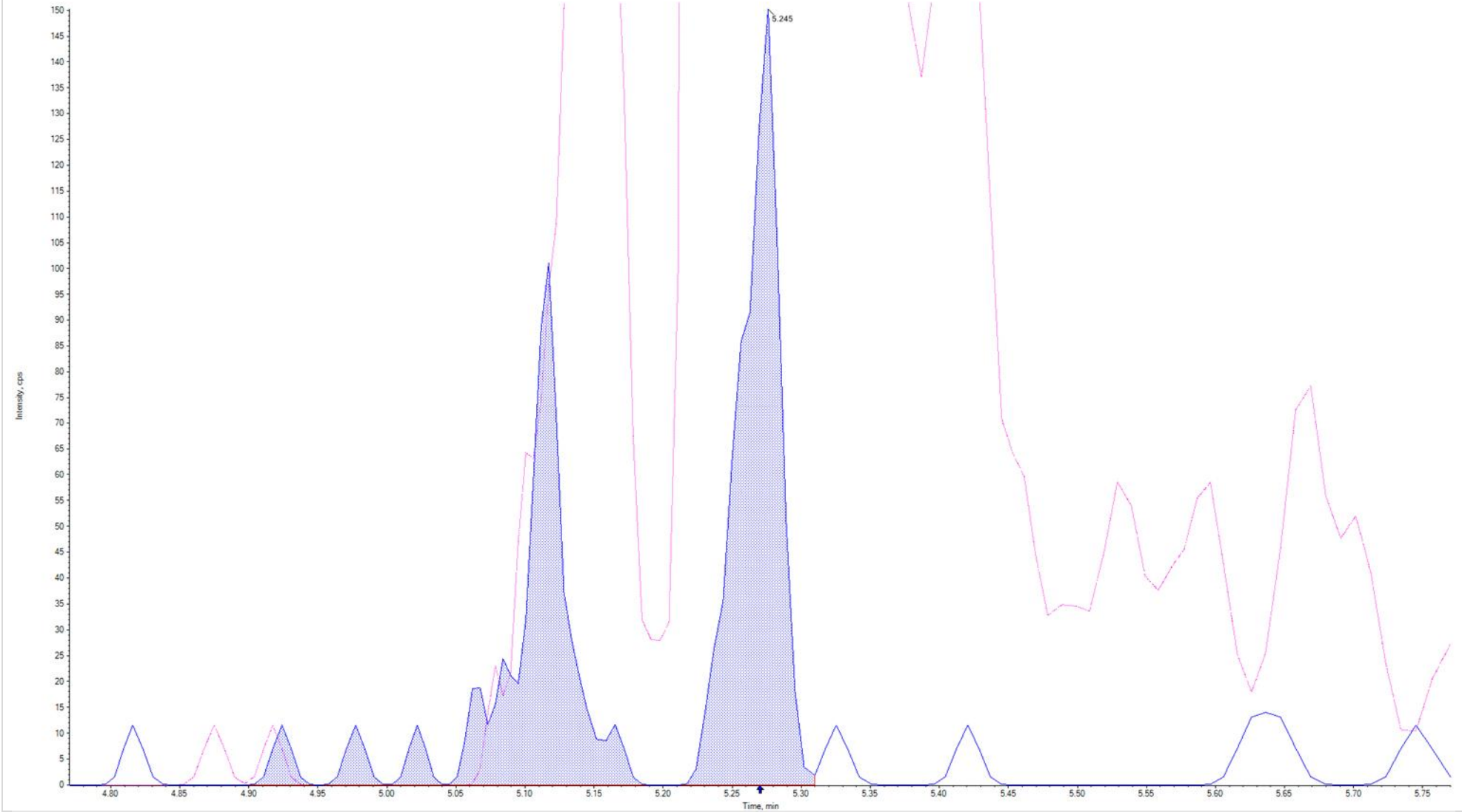
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

PFOSA
Sample: IA1633STD-0.1 S/N:266.9 Points Across peak:75

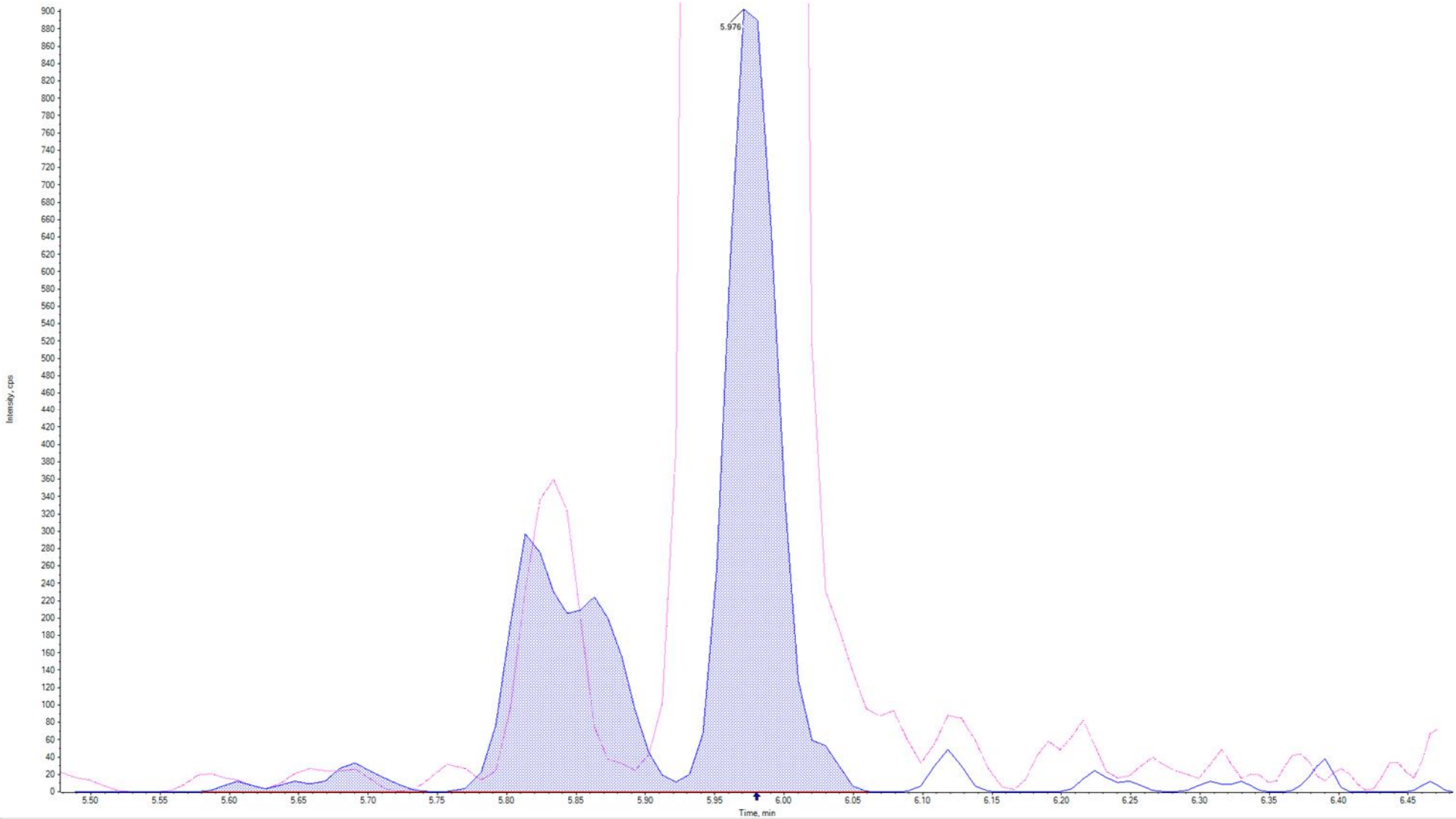


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

PFOSA_2
Sample: IA1633STD-0.1 S/N:13.2 Points Across peak:68

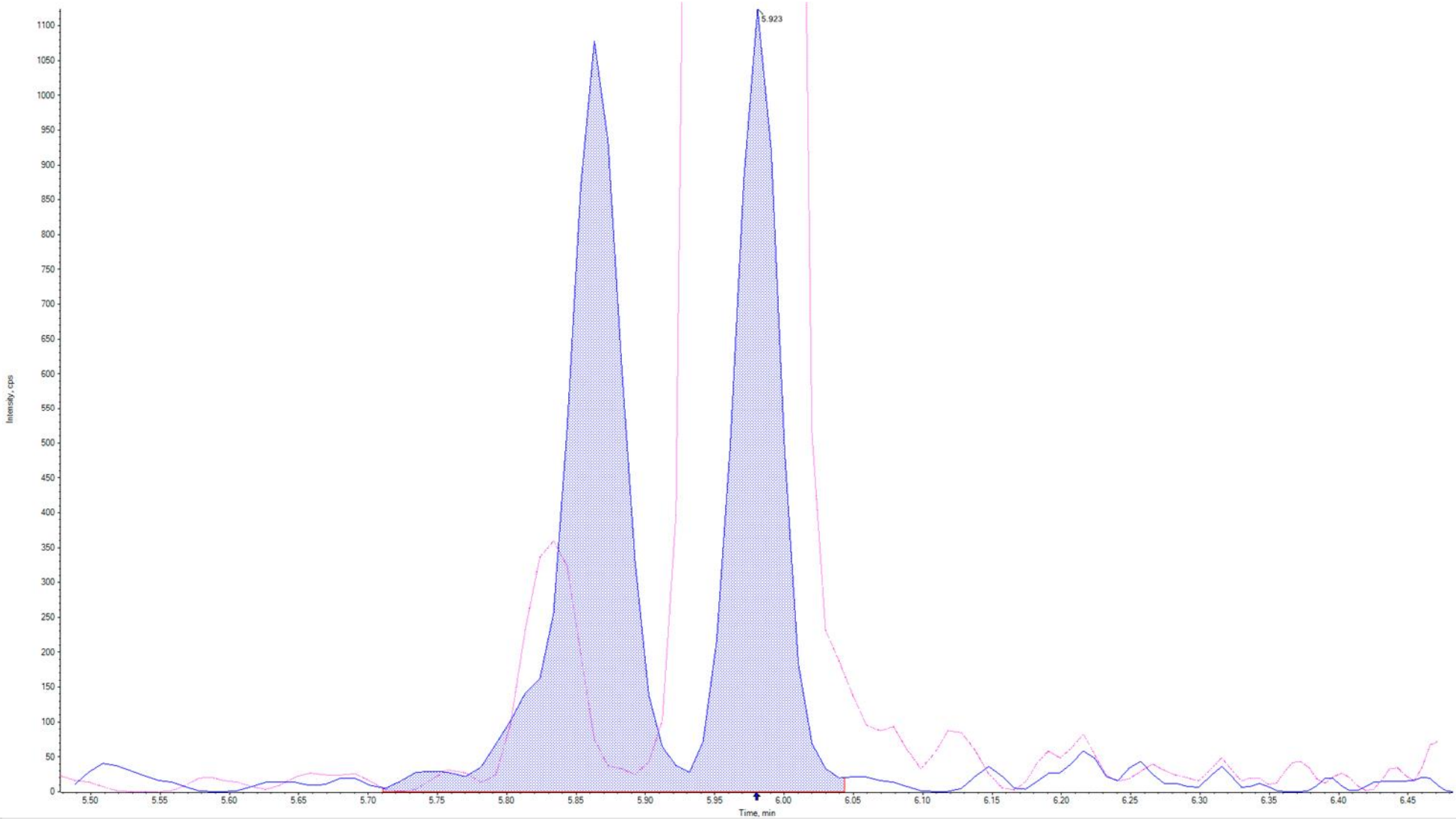


NMeFOSA
Sample: IA1633STD-0.1 S/N:74.7 Points Across peak:49



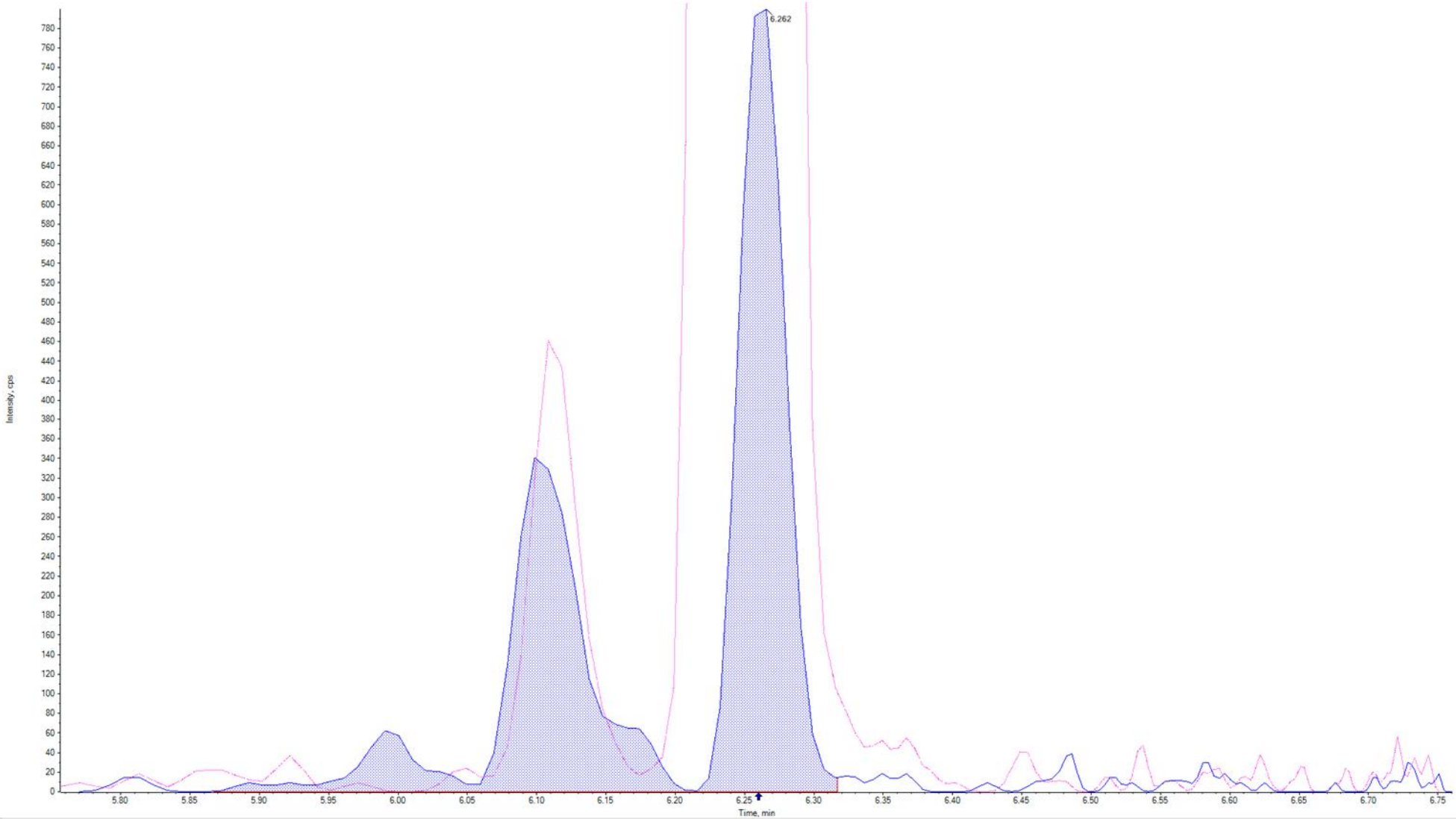
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSA_2
Sample: IA1633STD-0.1 S/N:79.4 Points Across peak:35



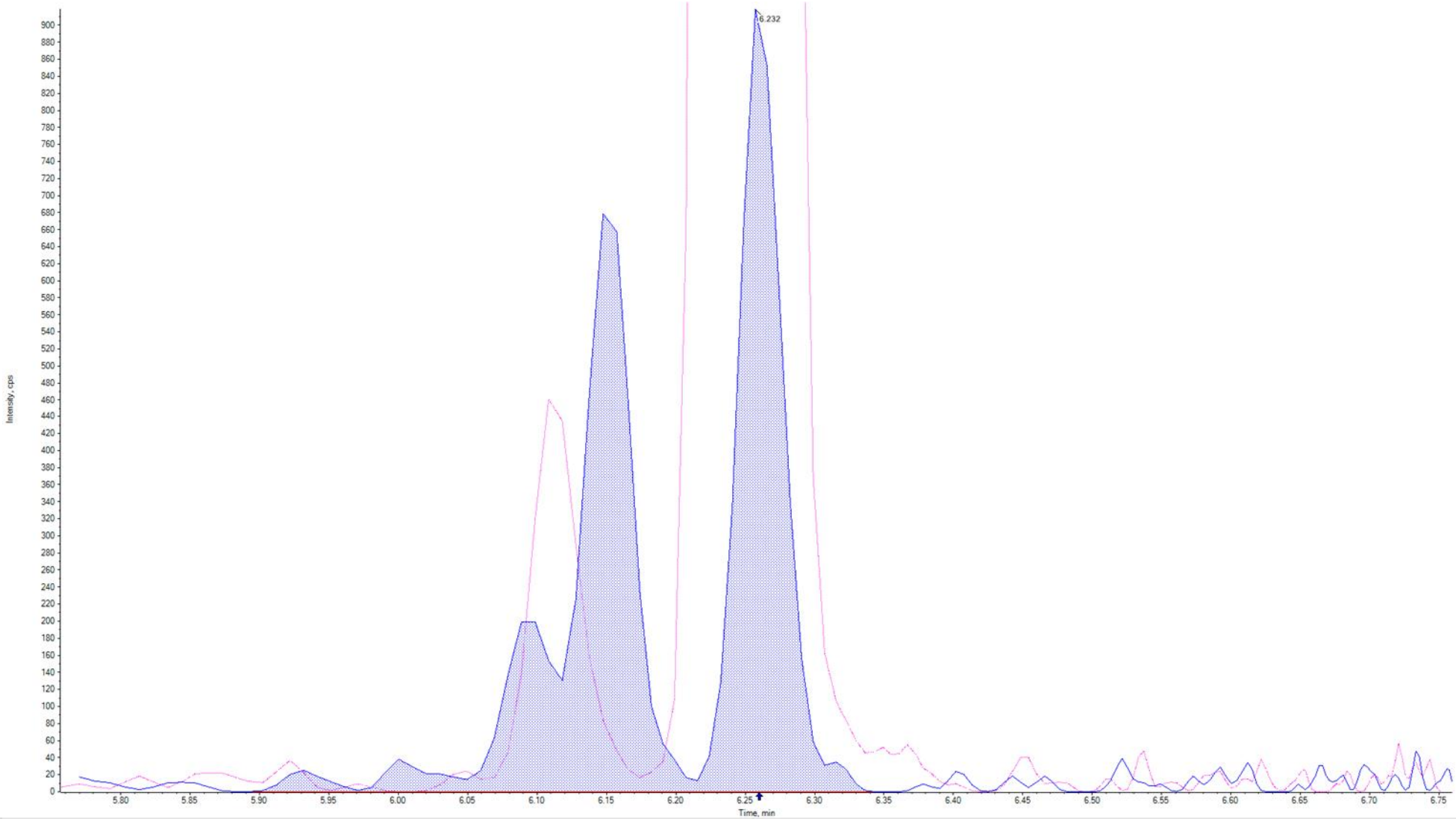
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSA
Sample: IA1633STD-0.1 S/N:86.2 Points Across peak:51



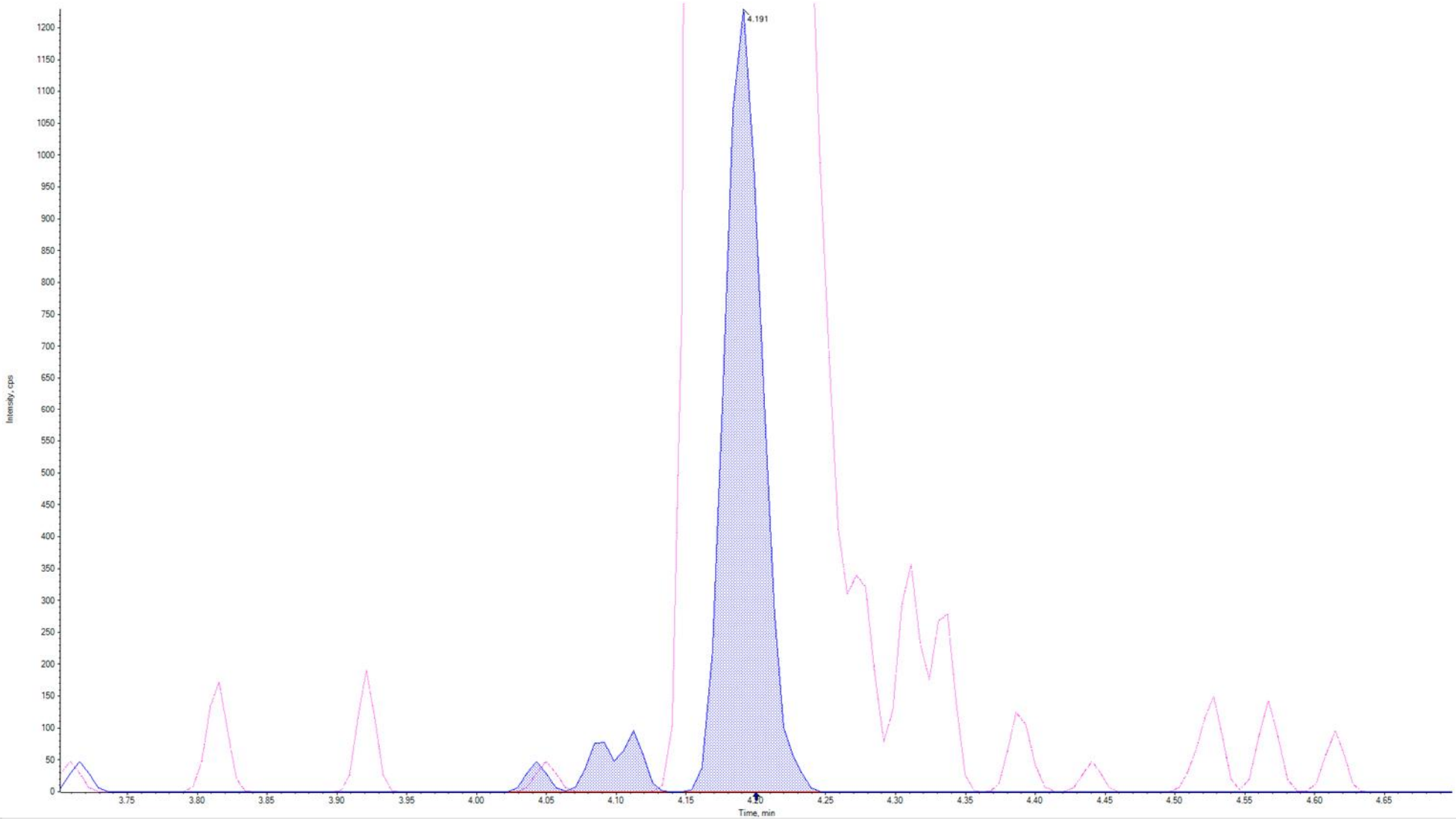
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSA_2
Sample: IA1633STD-0.1 S/N:94.8 Points Across peak:53



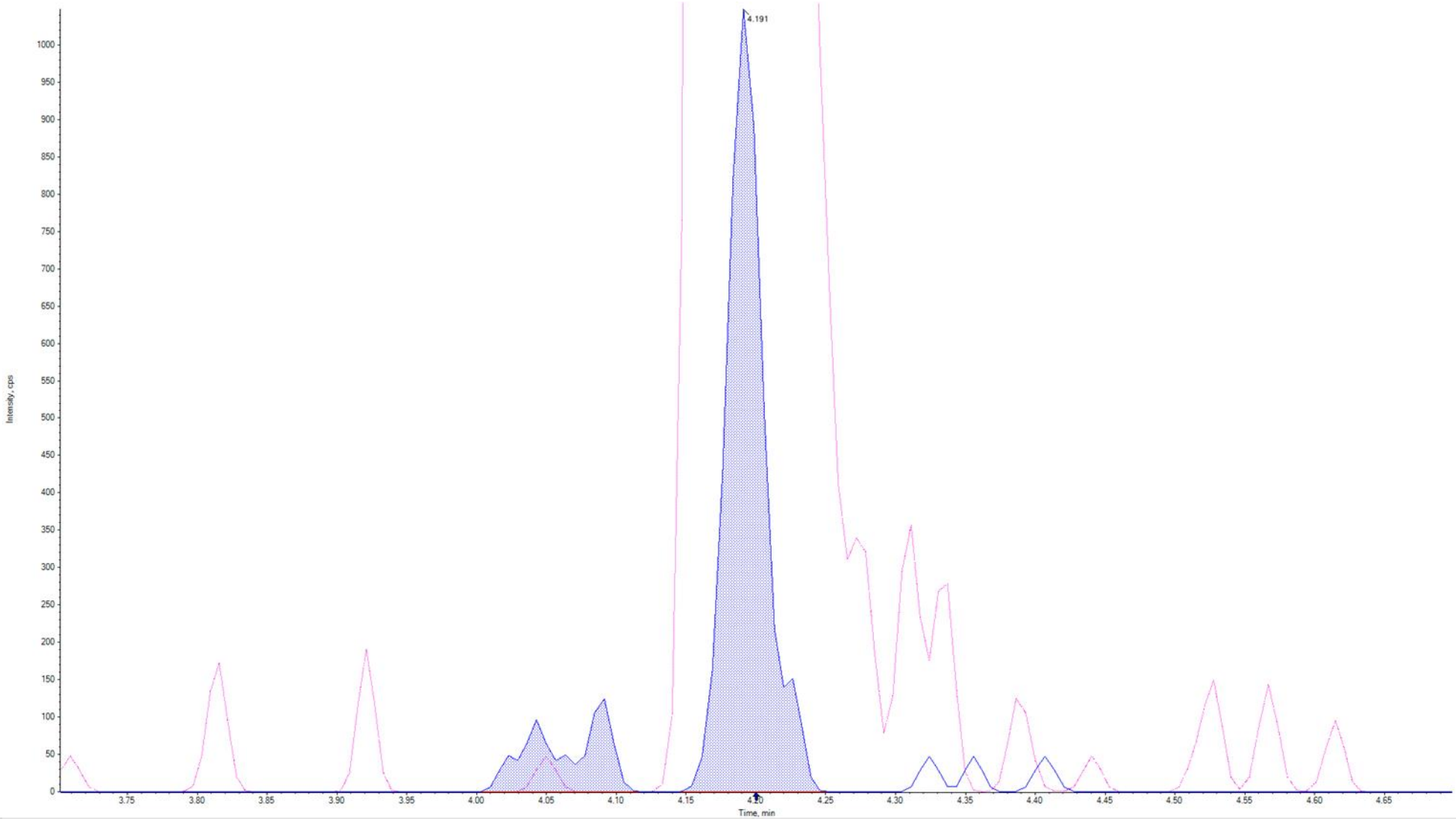
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSAA
Sample: IA1633STD-0.1 S/N:24.7 Points Across peak:36



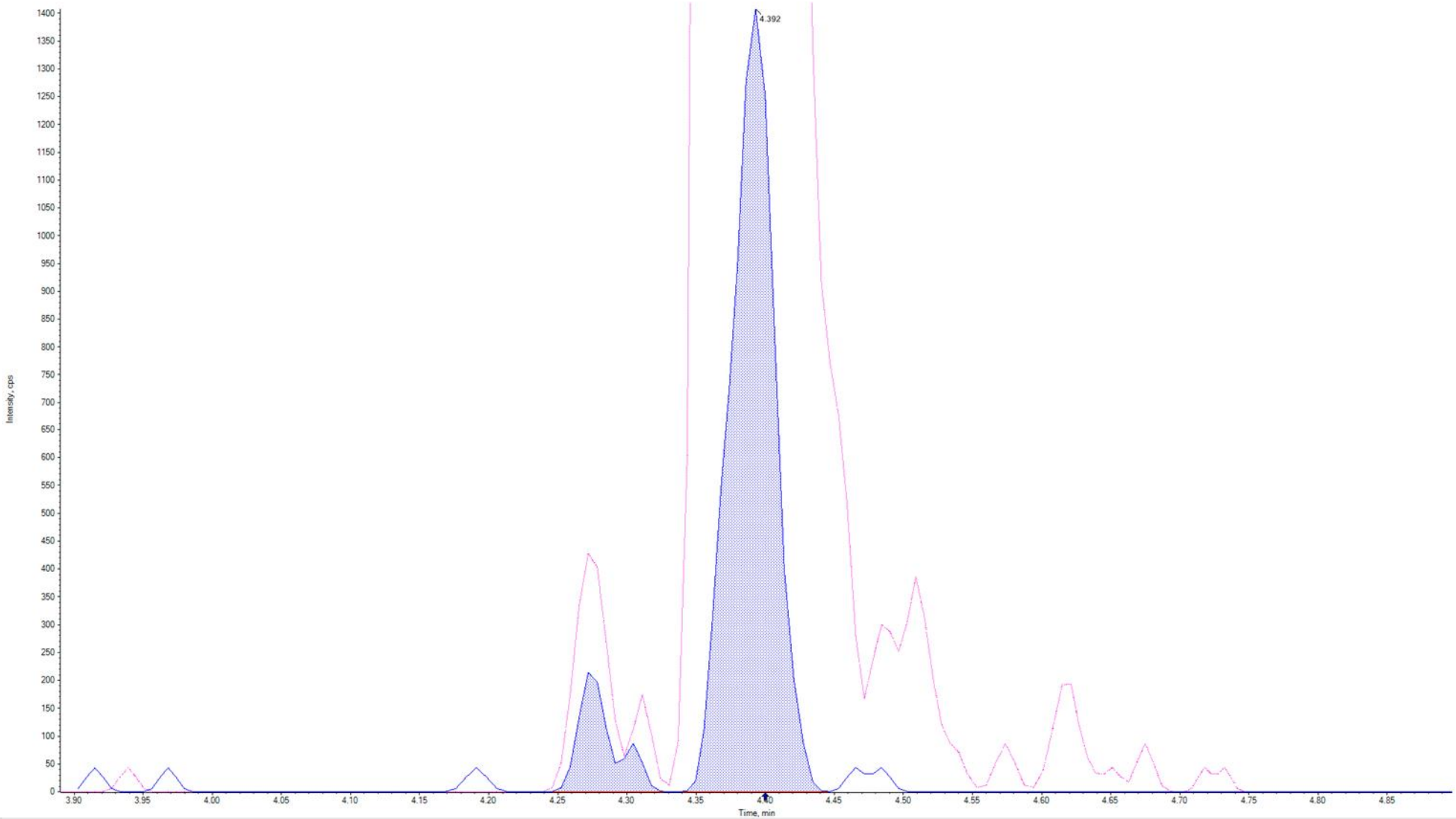
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSAA_2
Sample: IA1633STD-0.1 S/N:21.0 Points Across peak:40



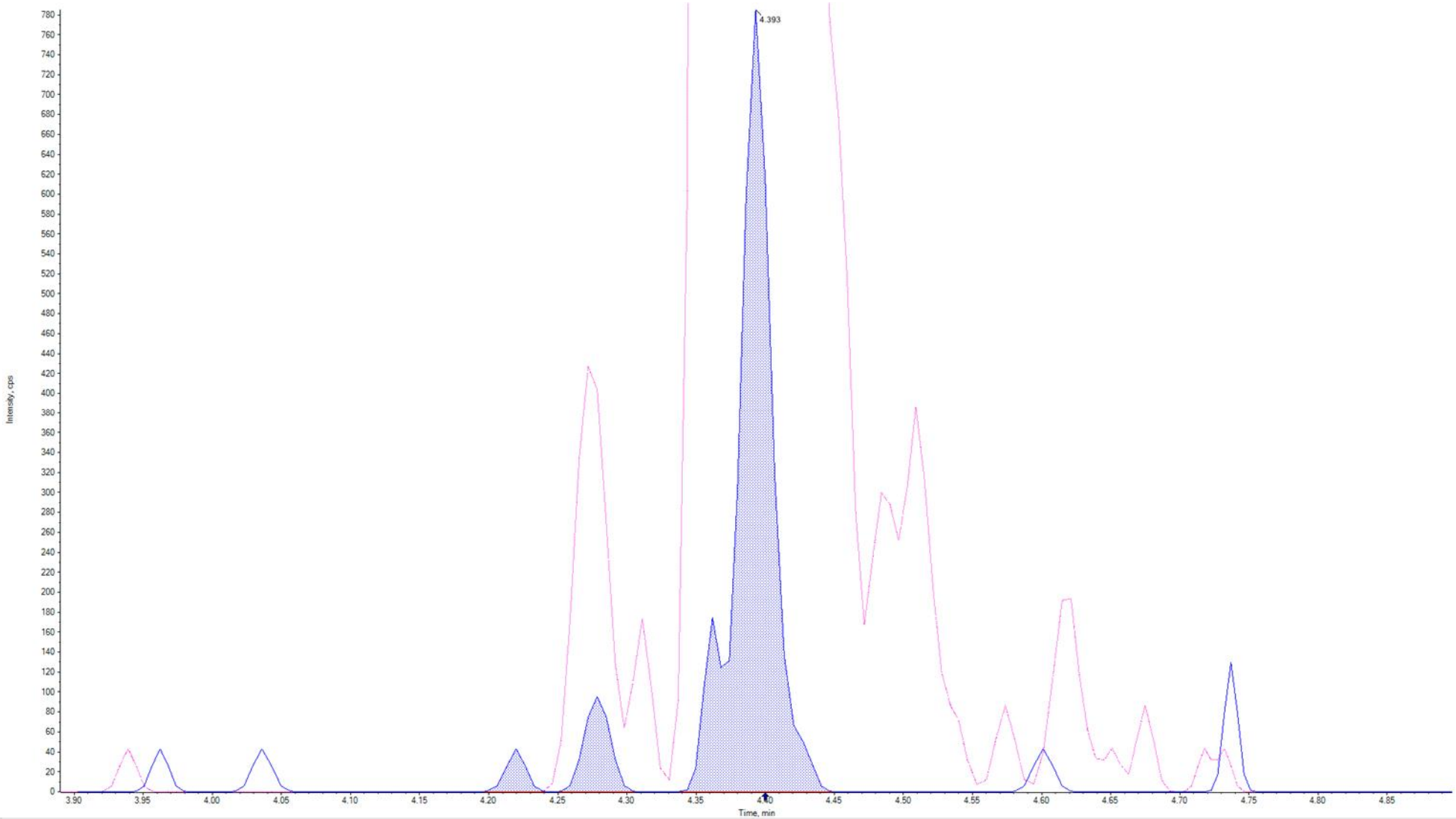
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSAA
Sample: IA1633STD-0.1 S/N:31.7 Points Across peak:34



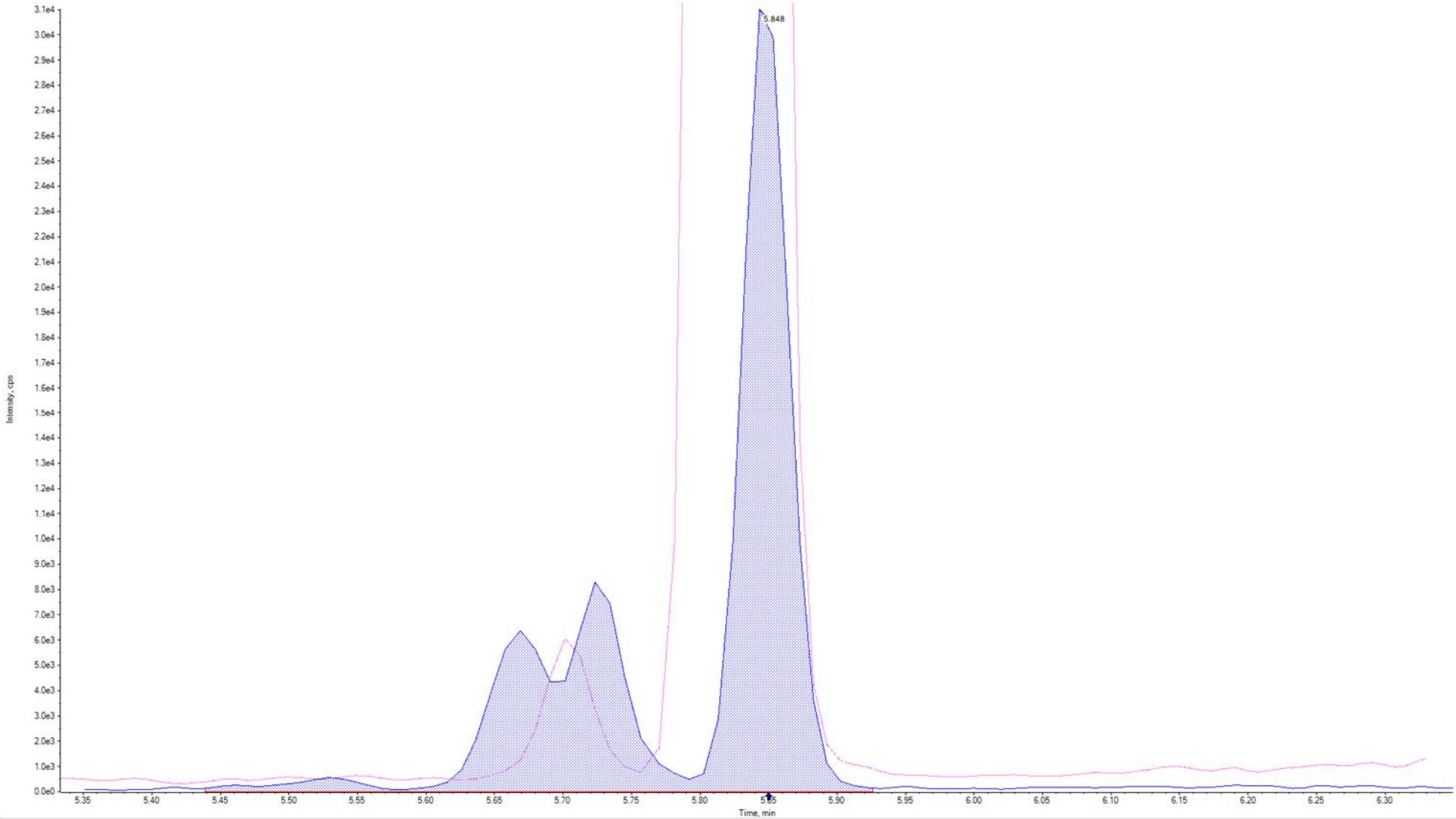
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSAA_2
Sample: IA1633STD-0.1 S/N:17.7 Points Across peak:42

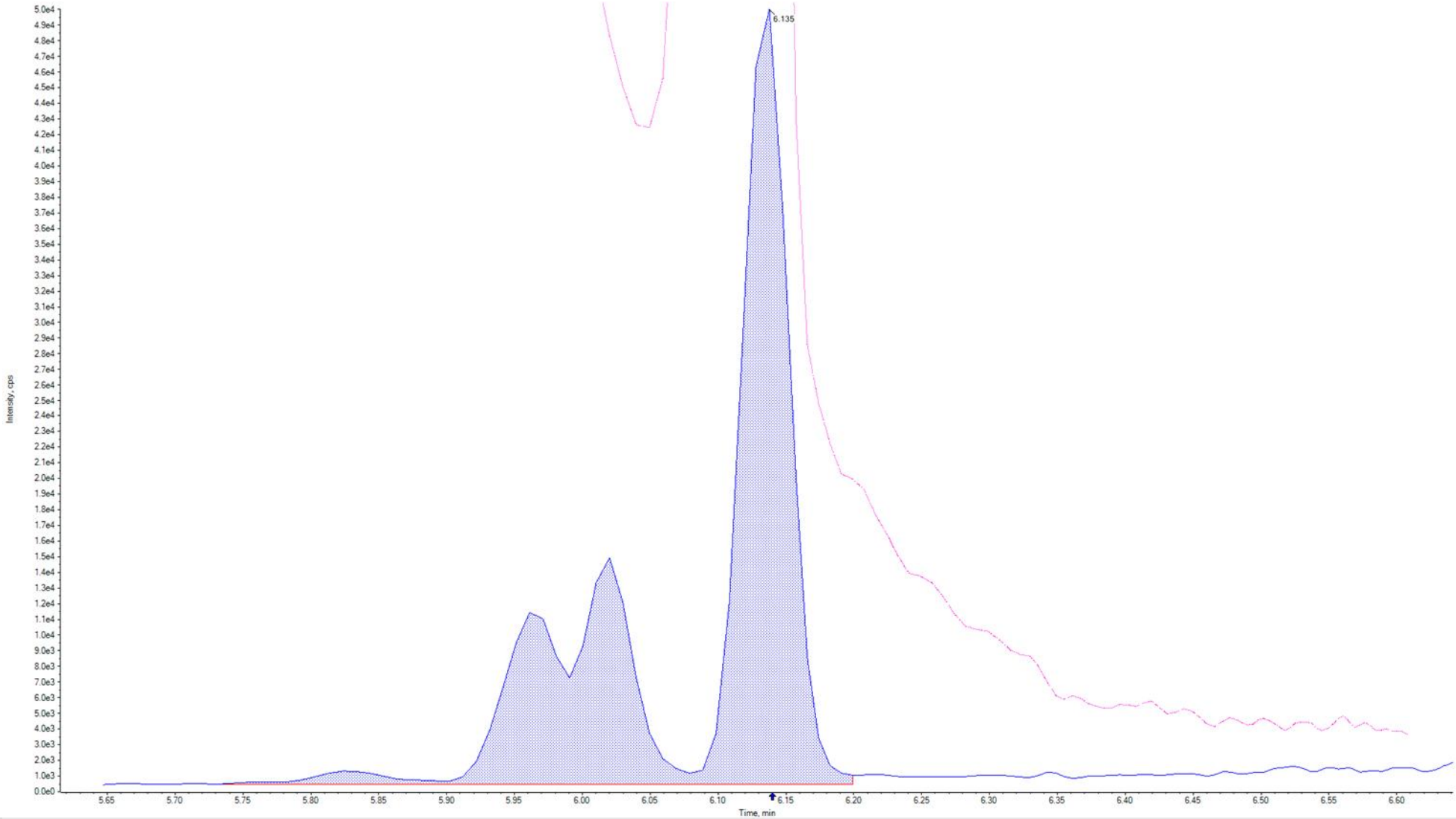


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSE
Sample: IA1633STD-0.1 S/N:144.4 Points Across peak:50

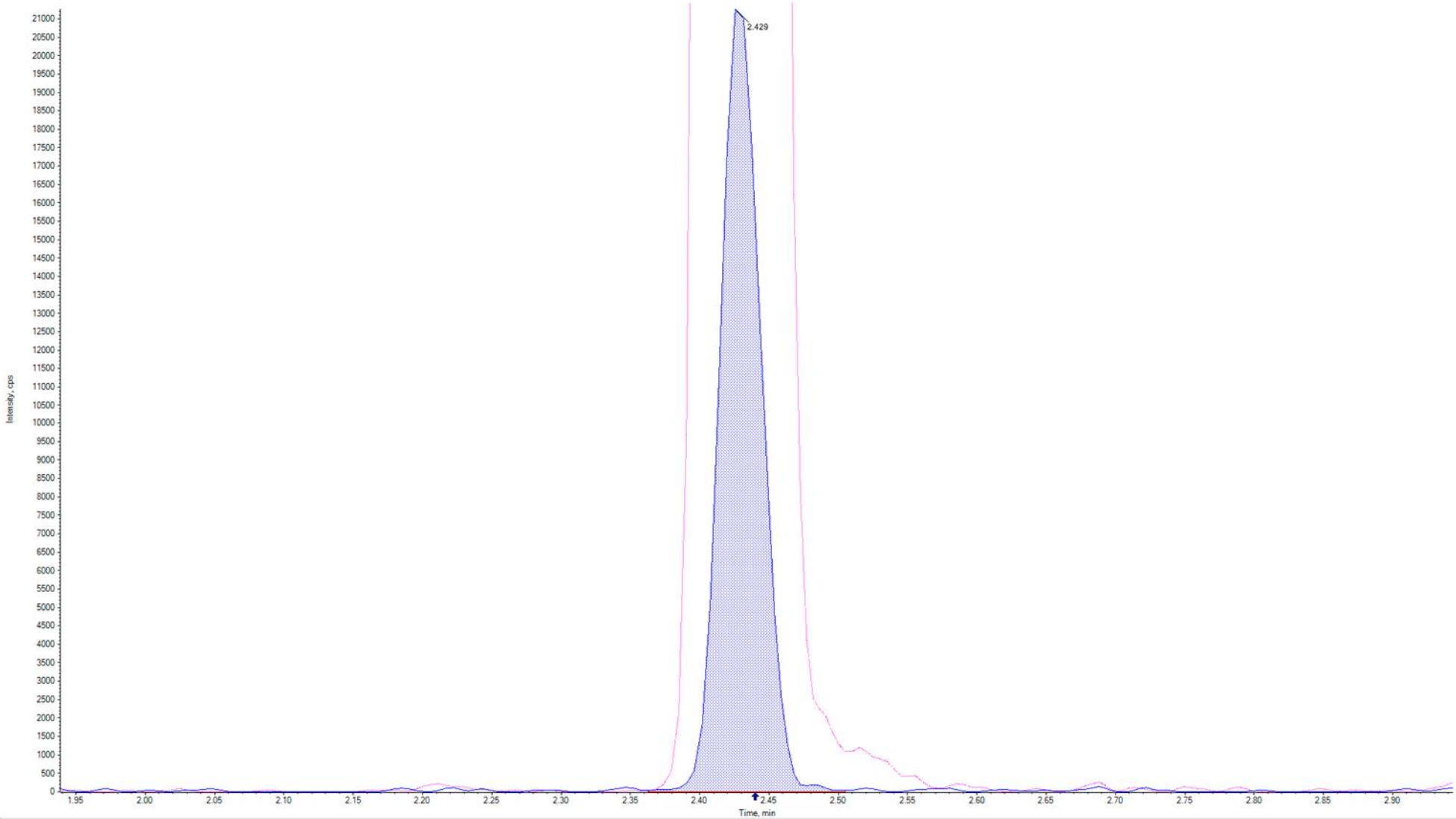


NEtFOSE
Sample: IA1633STD-0.1 S/N:142.7 Points Across peak:49



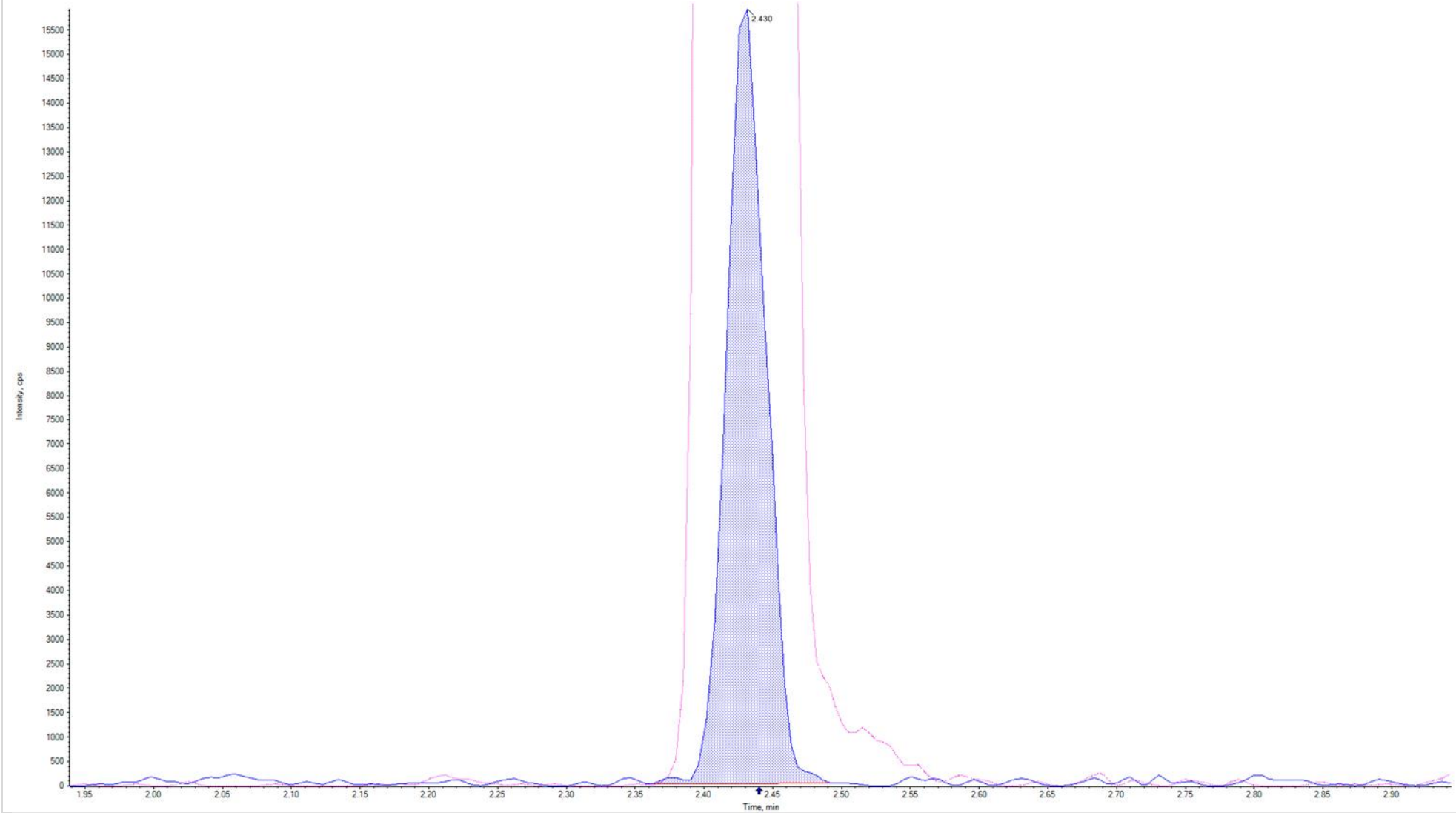
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

HFPO-DA
Sample: IA1633STD-0.1 S/N:479.7 Points Across peak:28



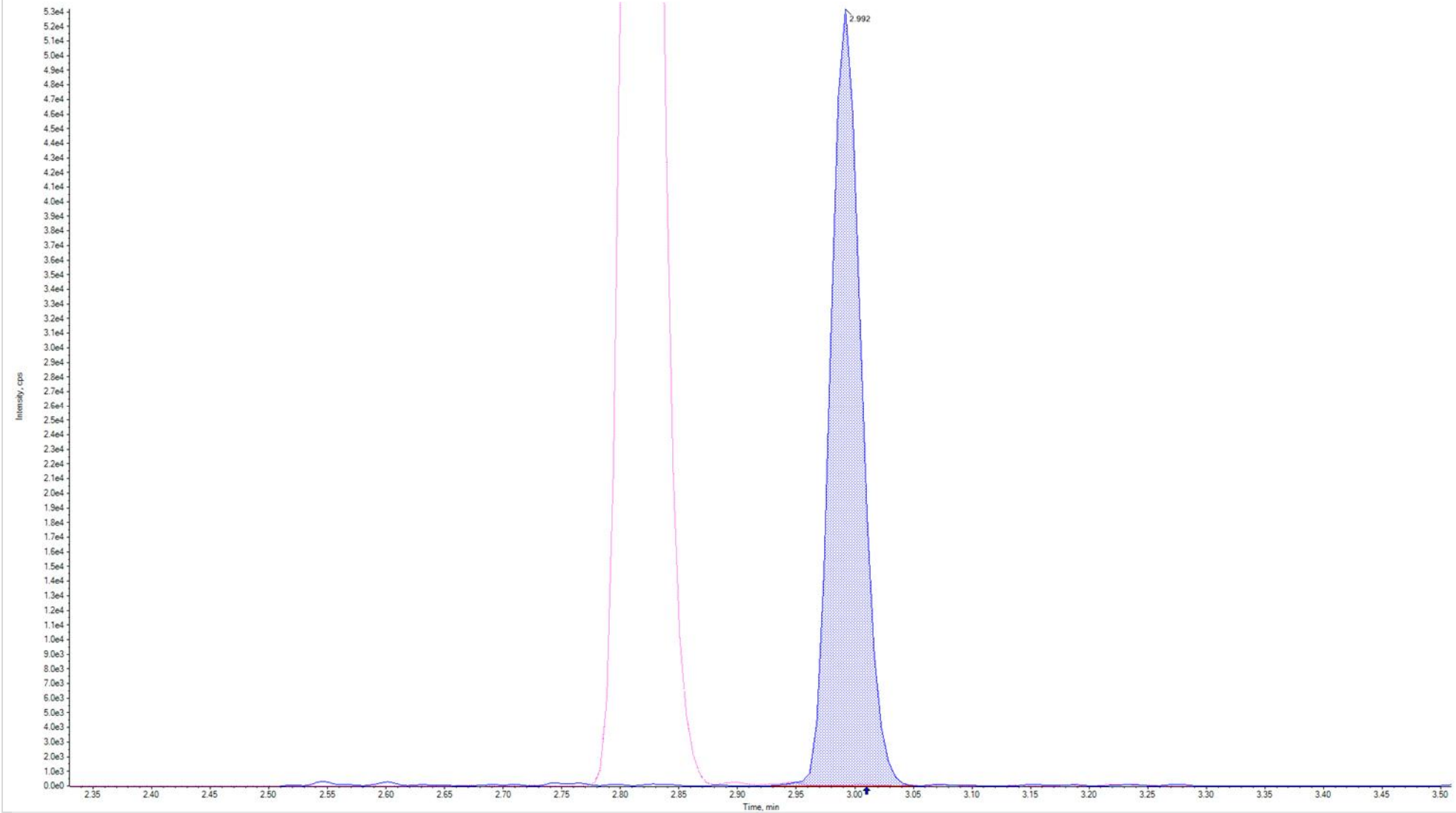
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

HFPO-DA_2
Sample: IA1633STD-0.1 S/N:358.2 Points Across peak:26



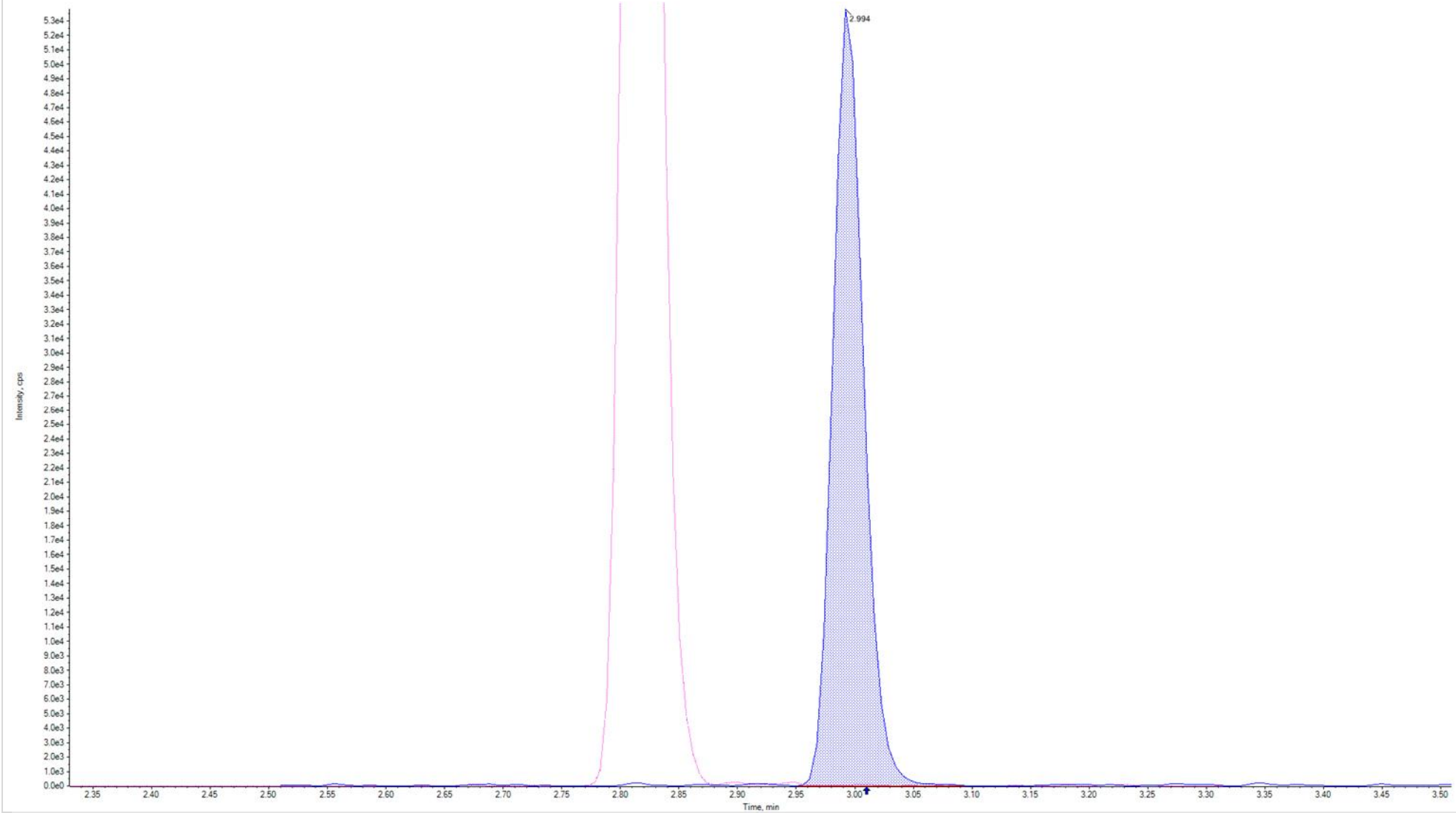
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

ADONA
Sample: IA1633STD-0.1 S/N:1066.4 Points Across peak:24



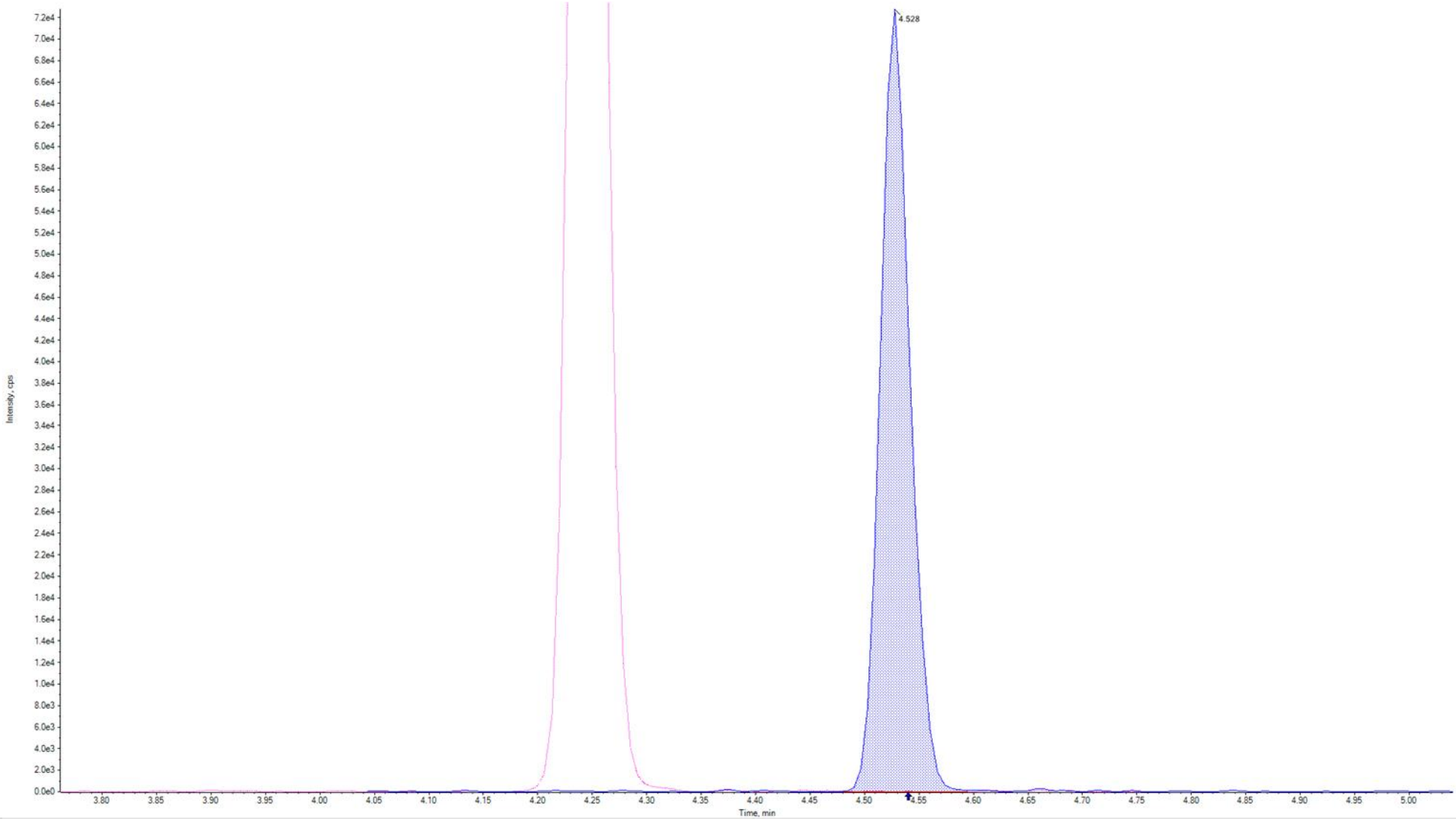
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

ADONA_2
Sample: IA1633STD-0.1 S/N:1079.0 Points Across peak:28



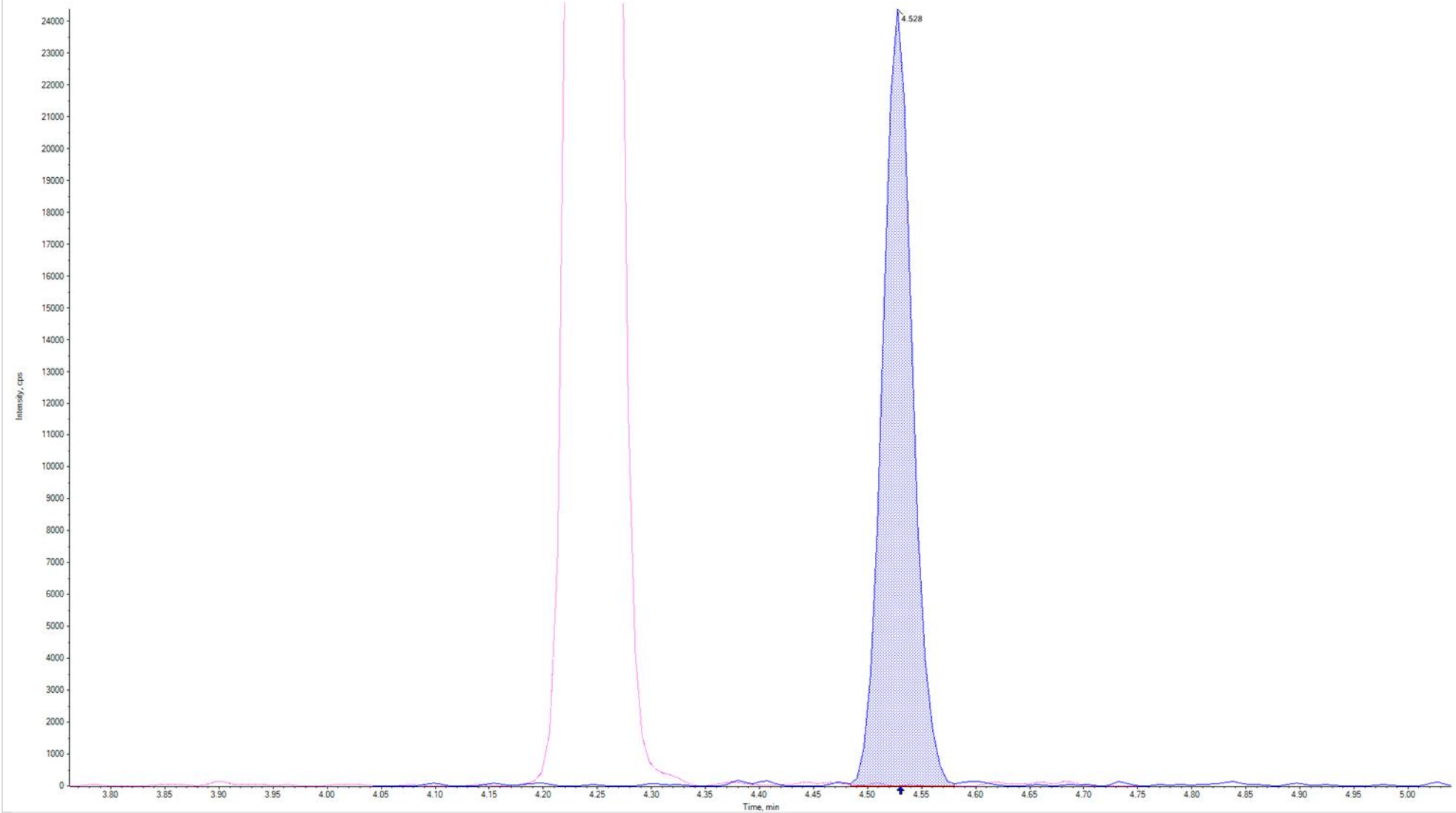
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

9Cl-PF3ONS
Sample: IA1633STD-0.1 S/N:1641.8 Points Across peak:21



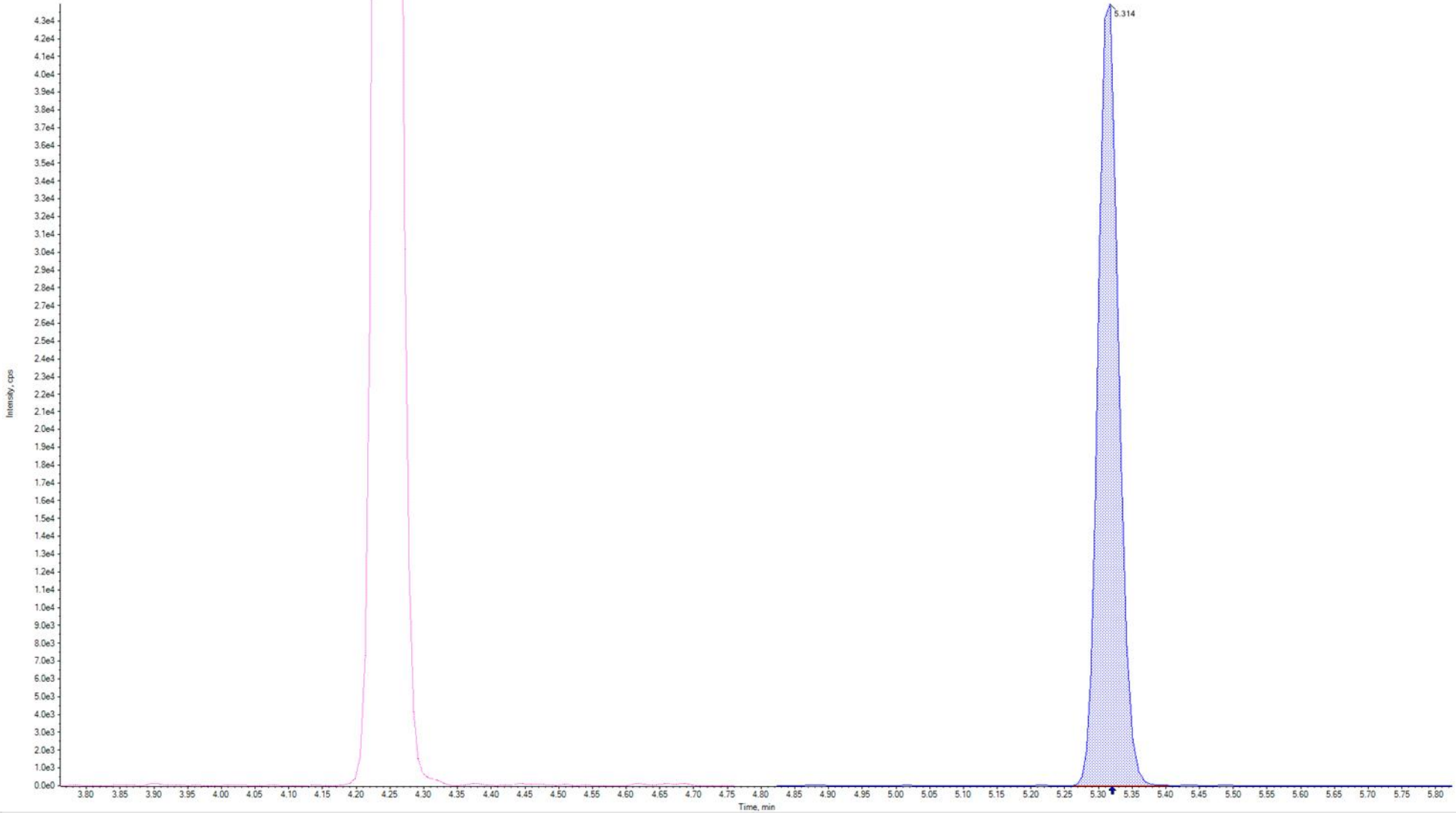
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

9Cl-PF3ONS_2
Sample: IA1633STD-0.1 S/N:550.0 Points Across peak:16



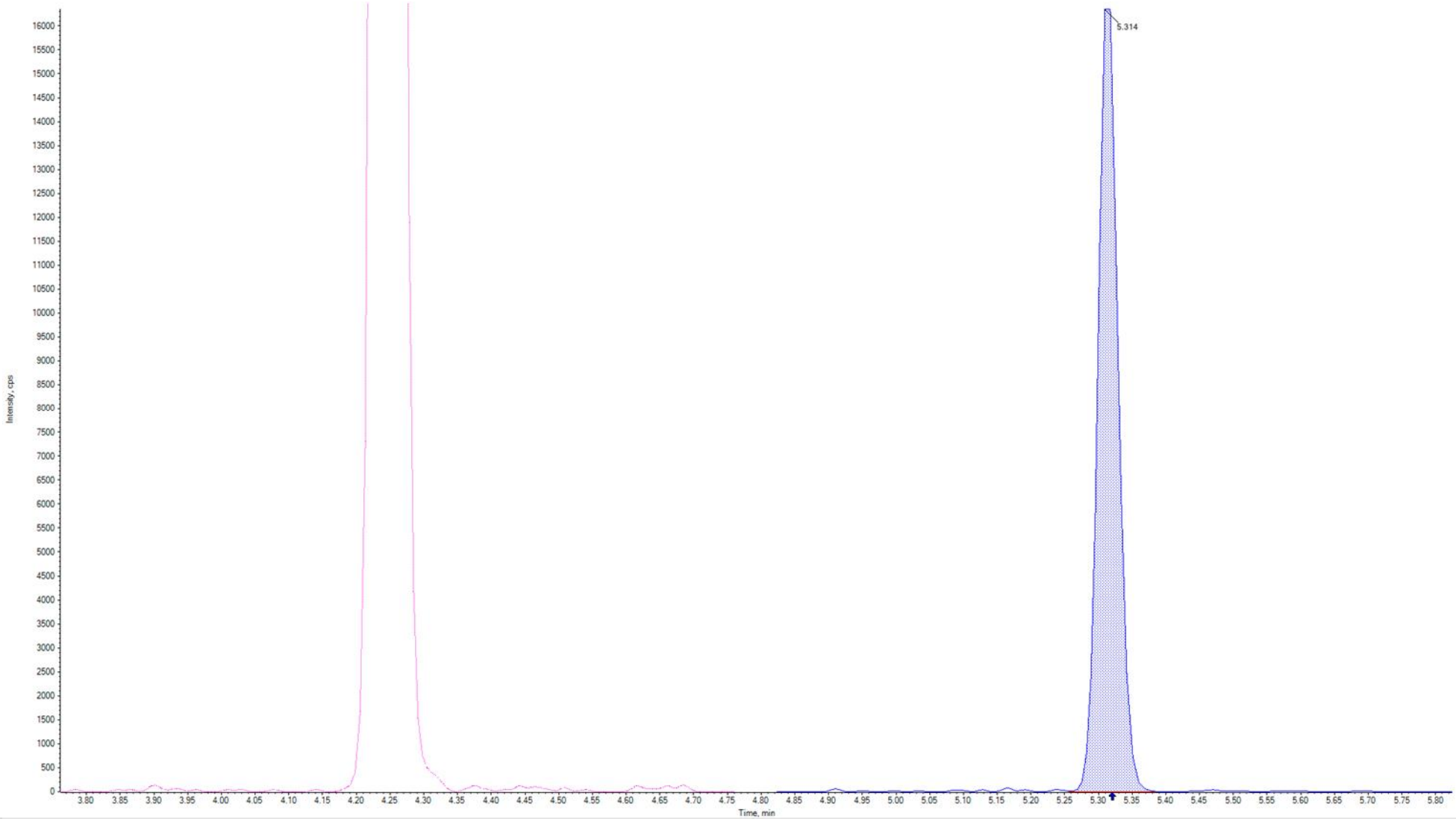
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

11Cl-PF3OUdS
Sample: IA1633STD-0.1 S/N:2093.2 Points Across peak:22



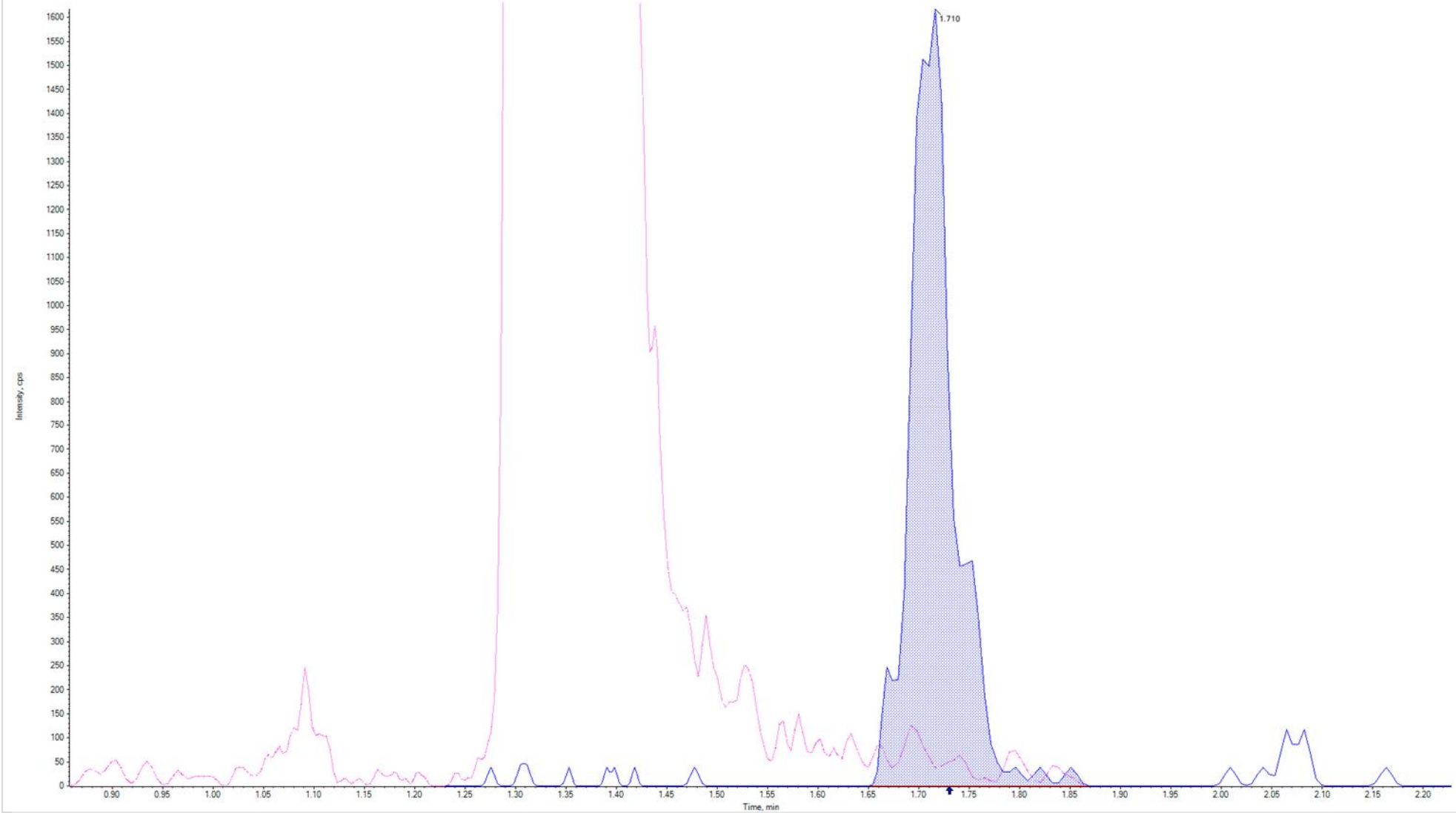
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-0.1 S/N:778.6 Points Across peak:20



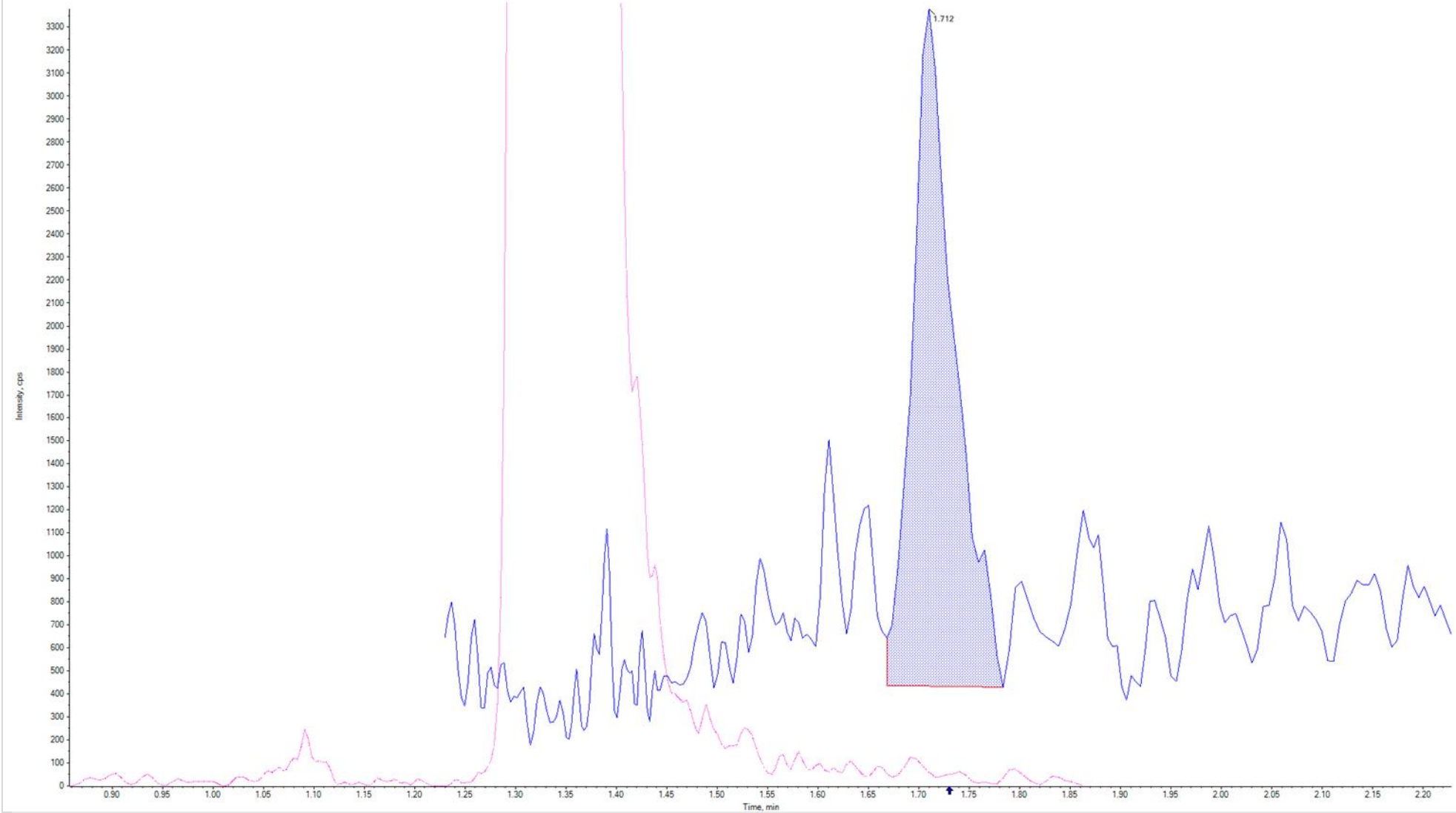
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

3:3FTCA
Sample: IA1633STD-0.1 S/N:40.5 Points Across peak:47



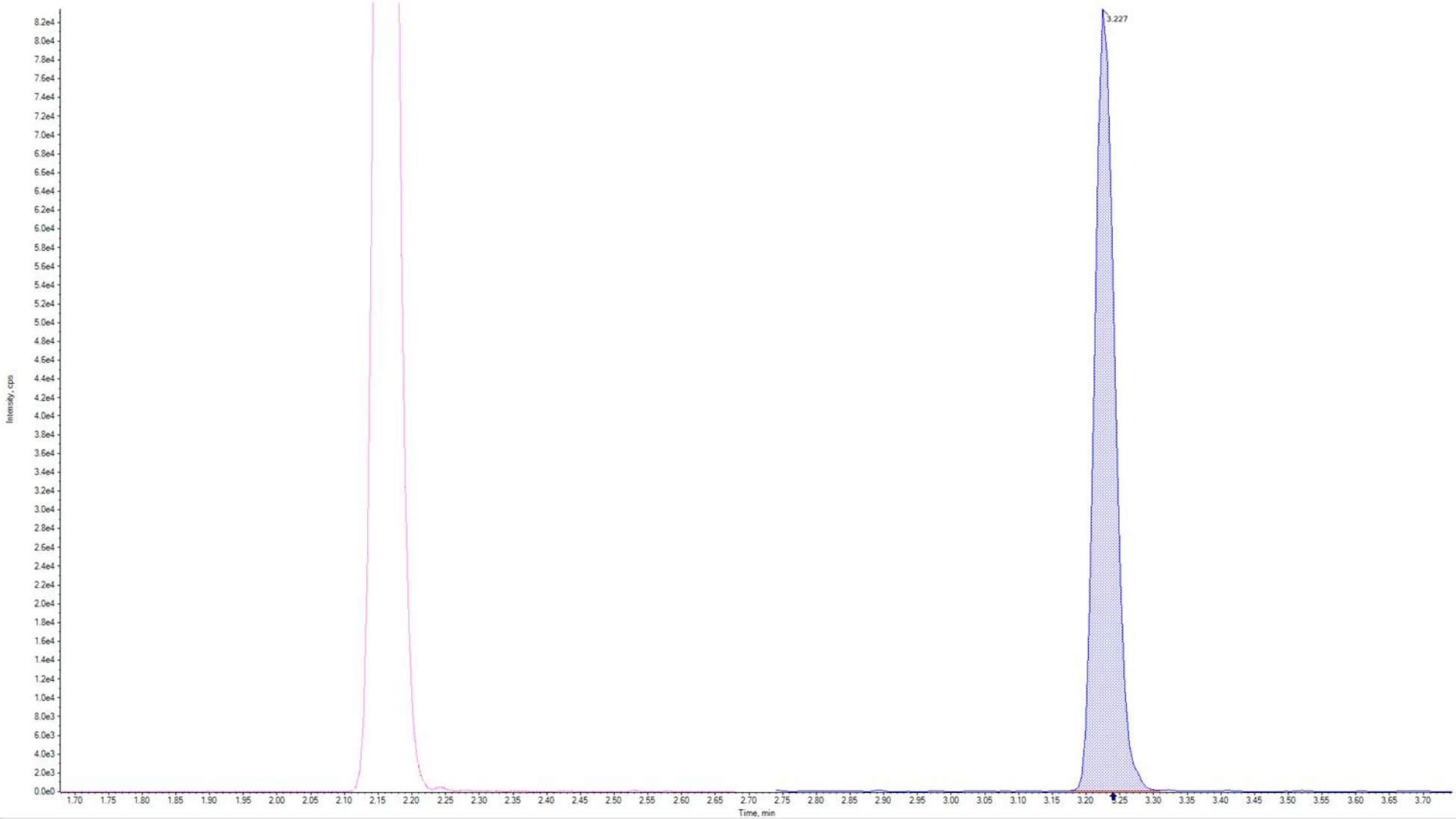
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

3:3FTCA_2
Sample: IA1633STD-0.1 S/N:57.6 Points Across peak:20



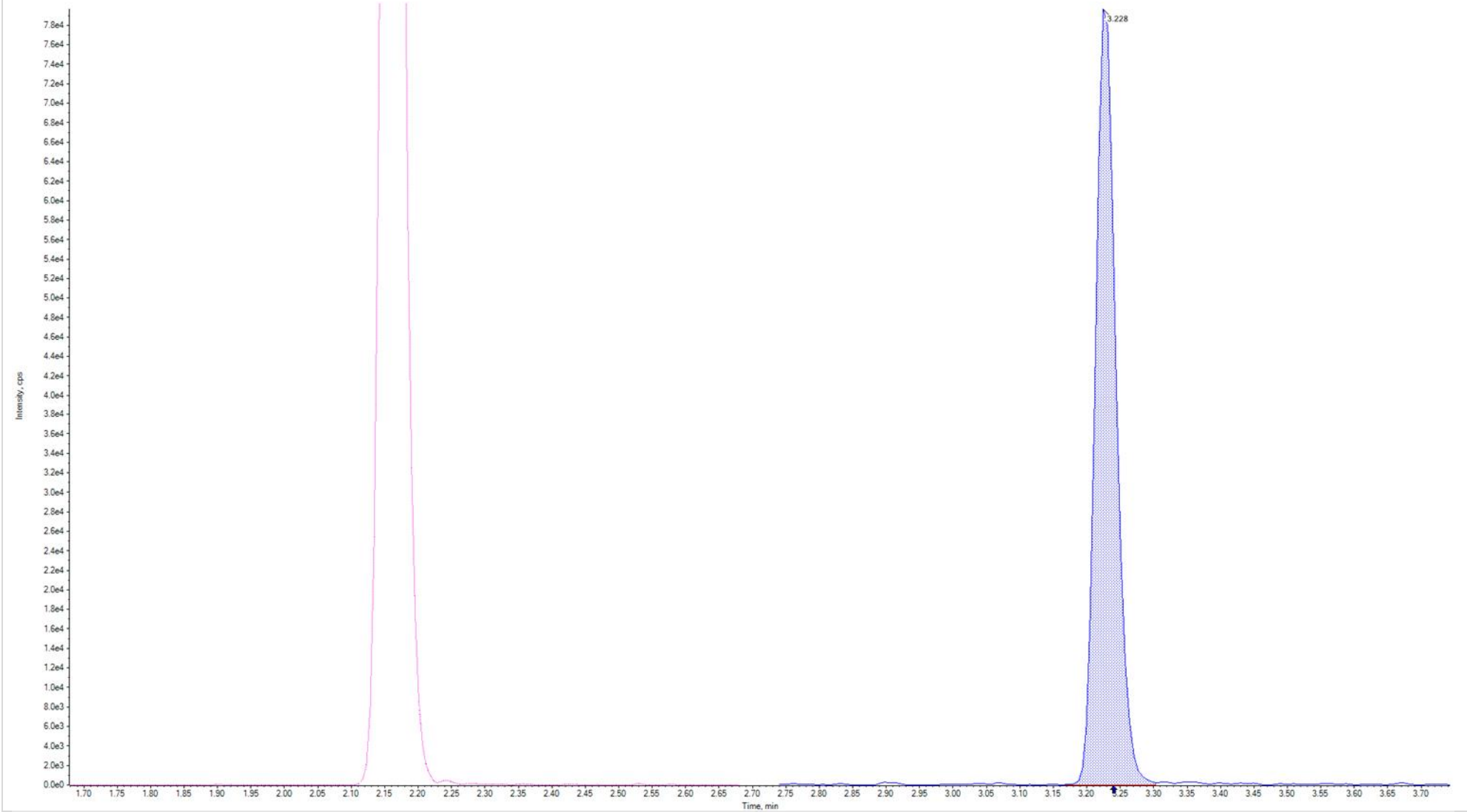
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

5:3FTCA
Sample: IA1633STD-0.1 S/N:1880.5 Points Across peak:25



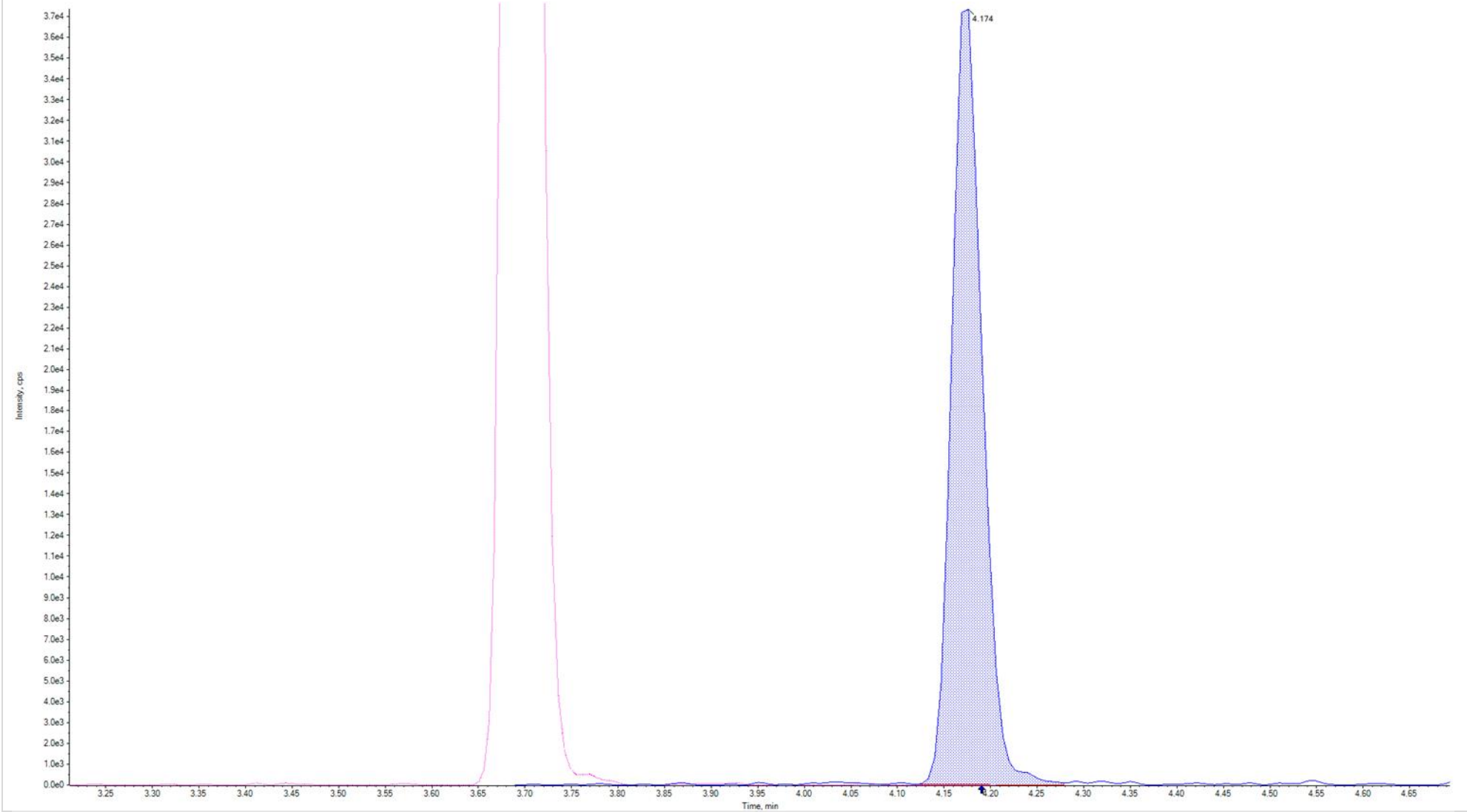
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

5:3FTCA_2
Sample: IA1633STD-0.1 S/N:1796.7 Points Across peak:24



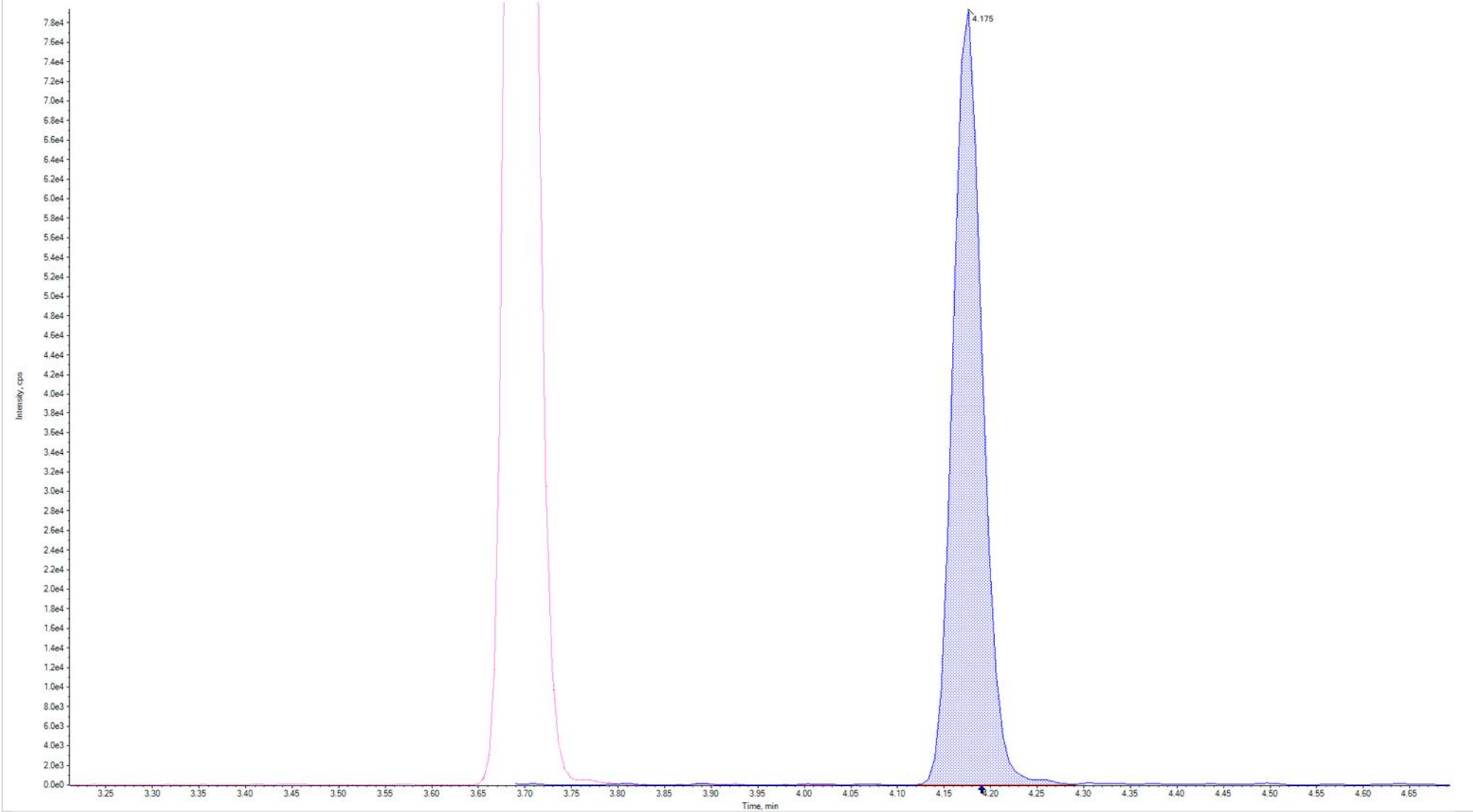
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

7:3FTCA
Sample: IA1633STD-0.1 S/N:1029.5 Points Across peak:24



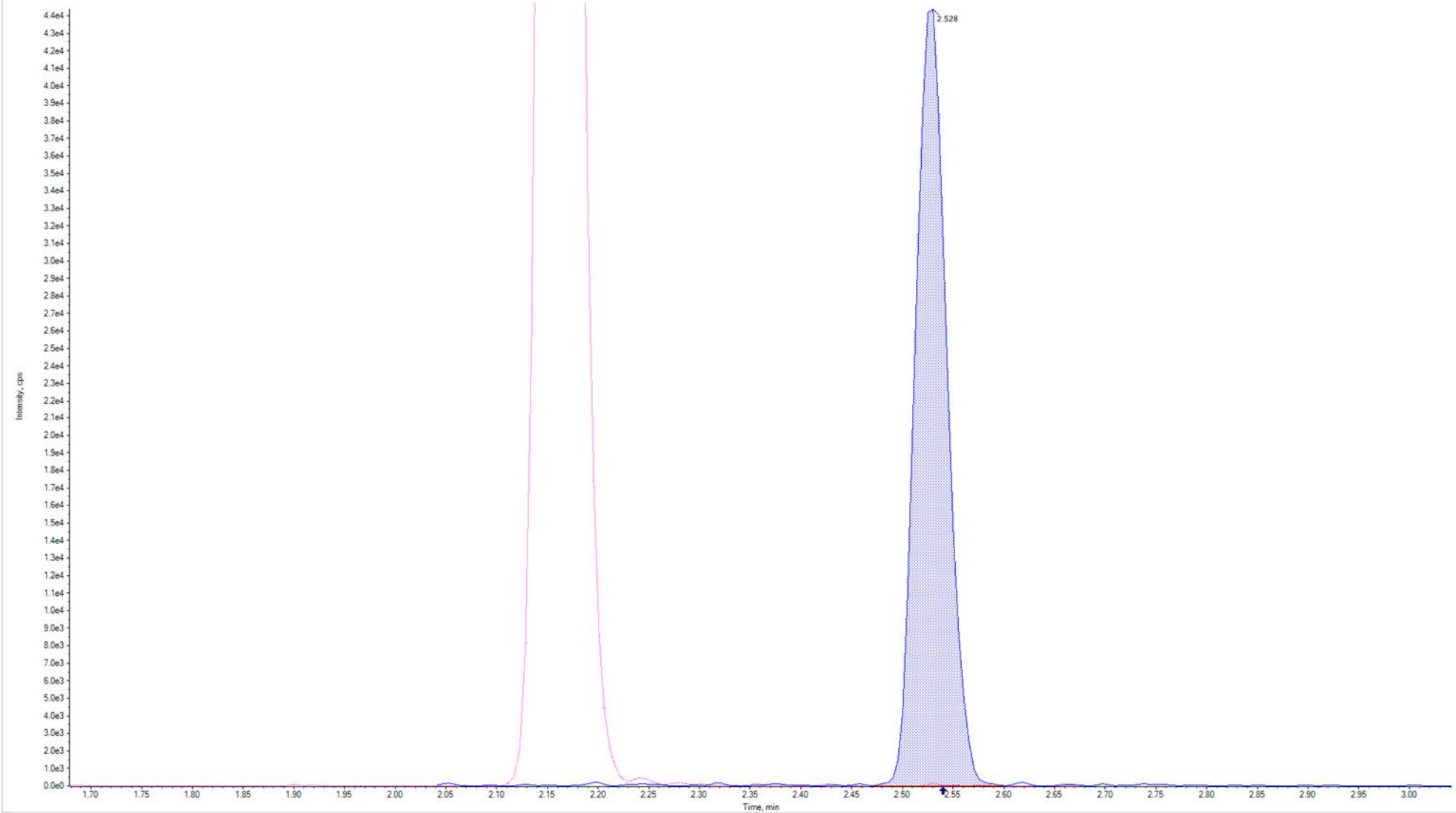
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

7:3FTCA_2
Sample: IA1633STD-0.1 S/N:2188.7 Points Across peak:27



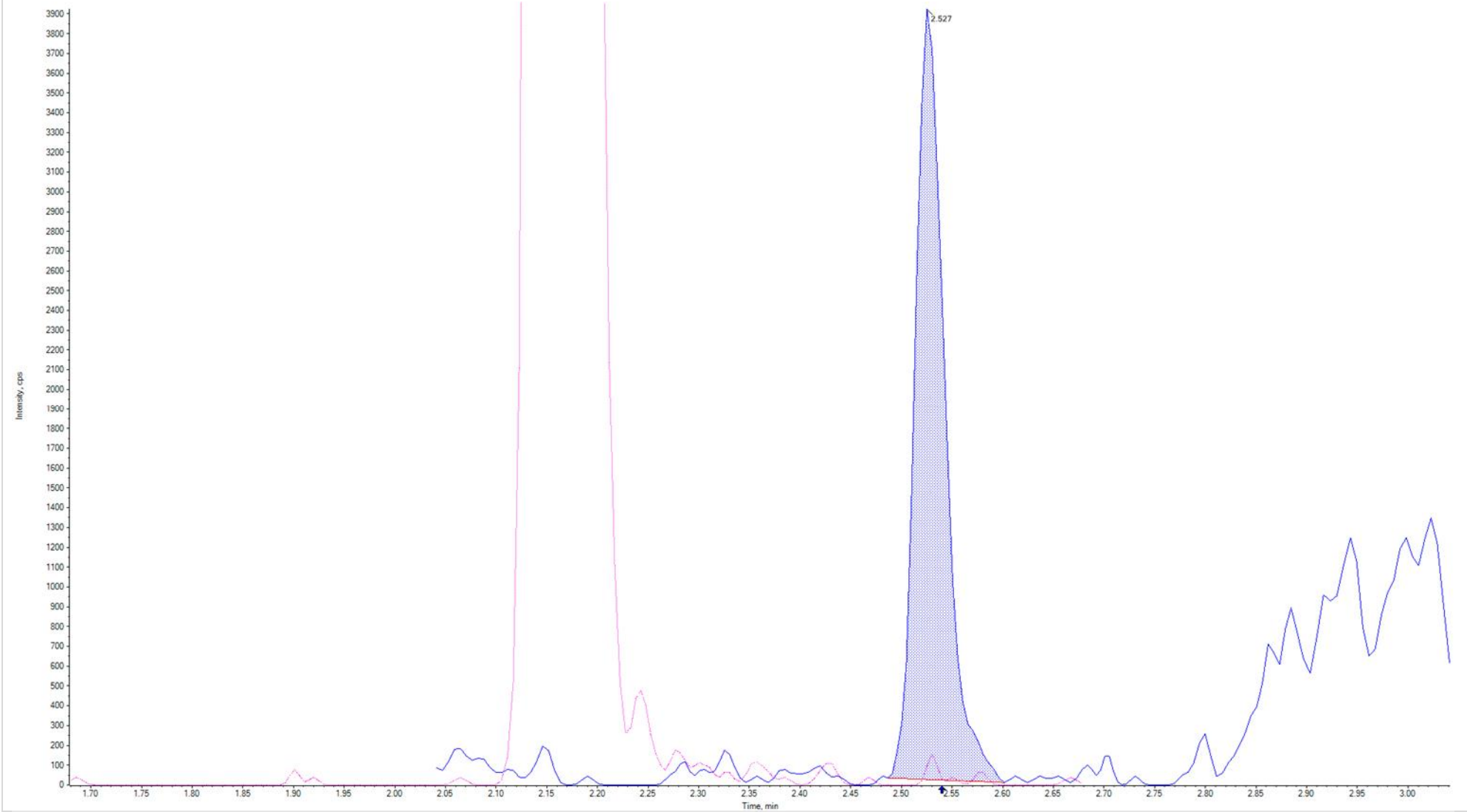
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

PFEESA
Sample: IA1633STD-0.1 S/N:1000.9 Points Across peak:28

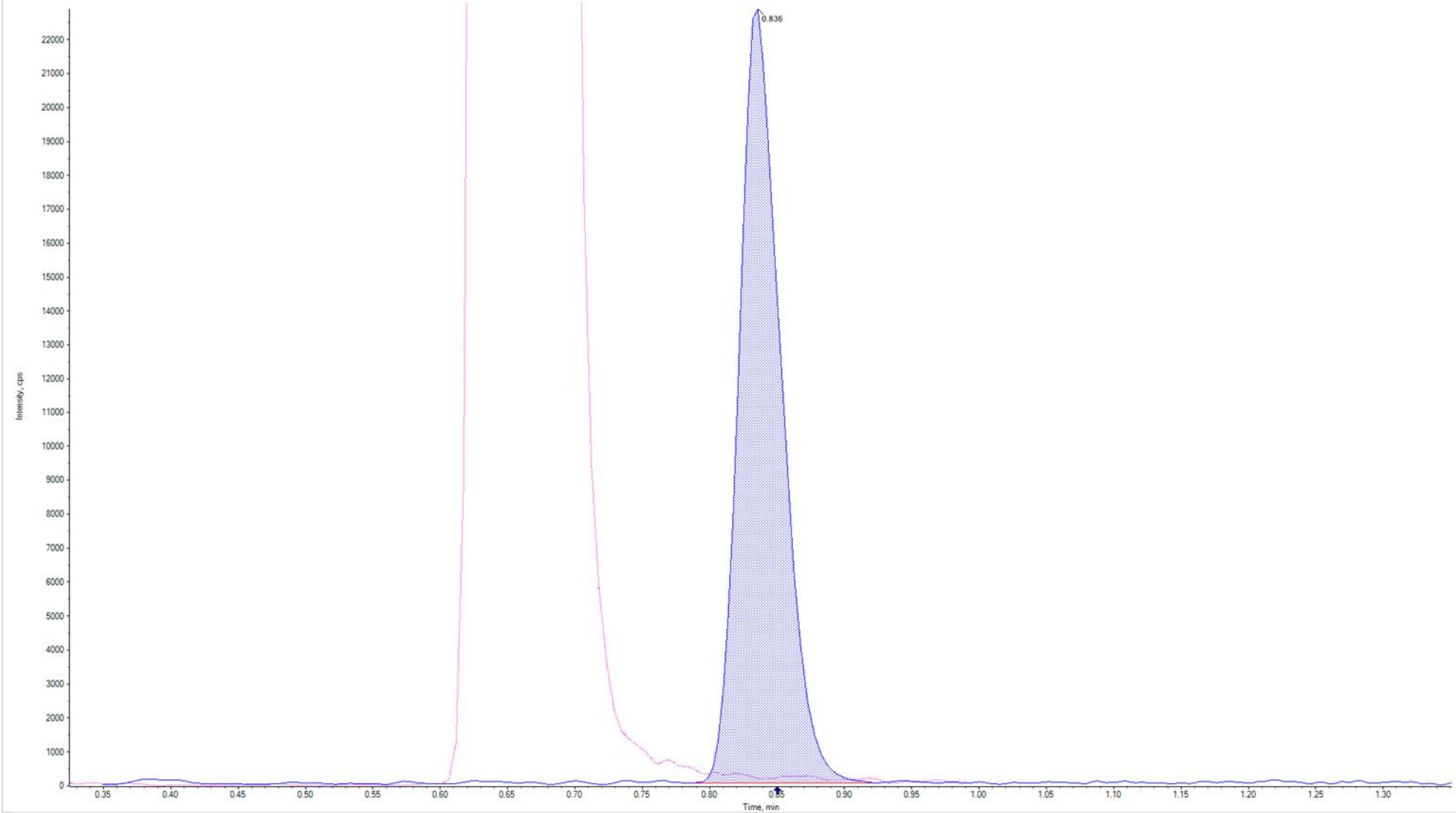


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

PFEESA_2
Sample: IA1633STD-0.1 S/N:87.9 Points Across peak:24

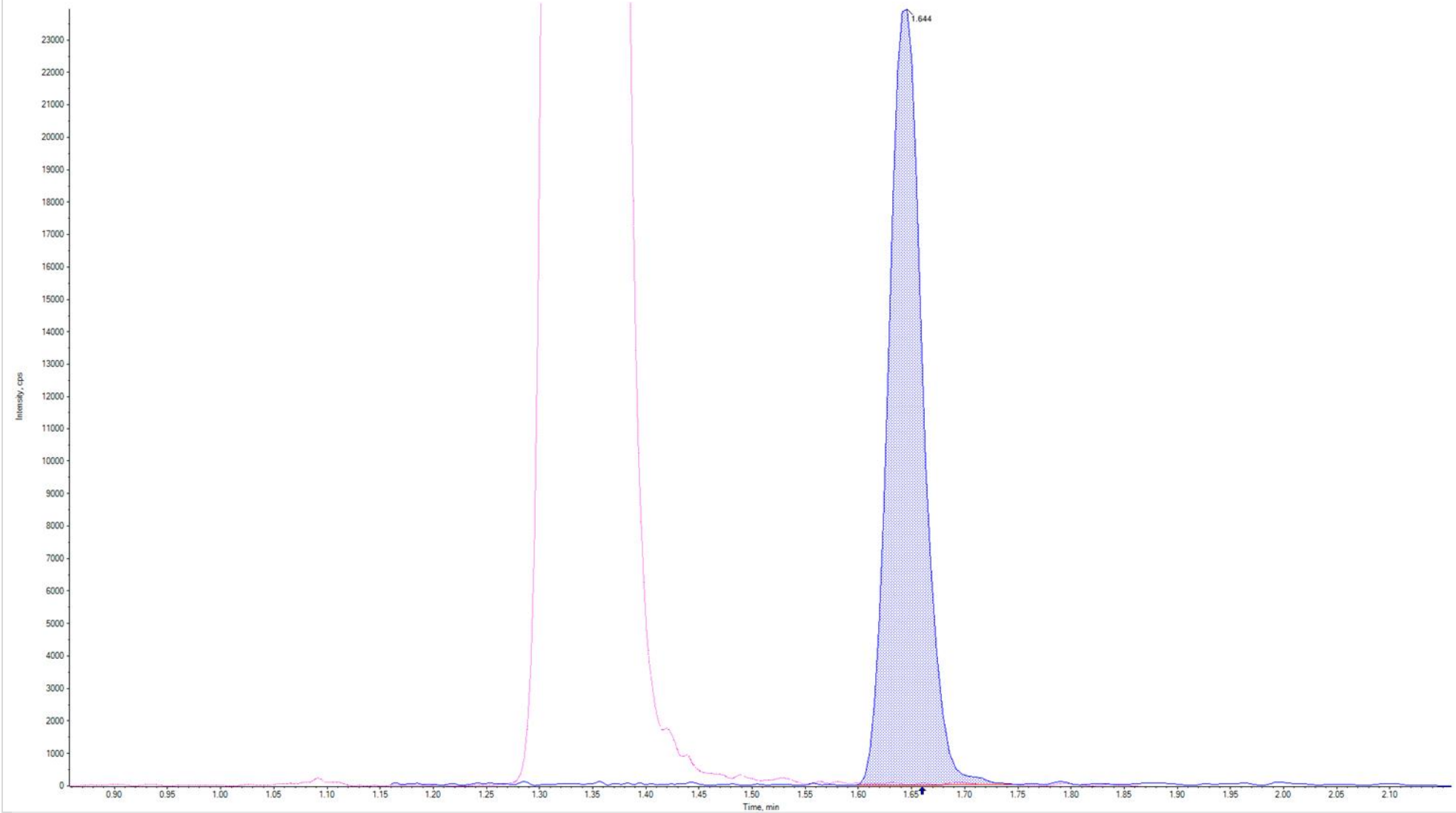


PFMPA
Sample: IA1633STD-0.1 S/N:1582.6 Points Across peak:34



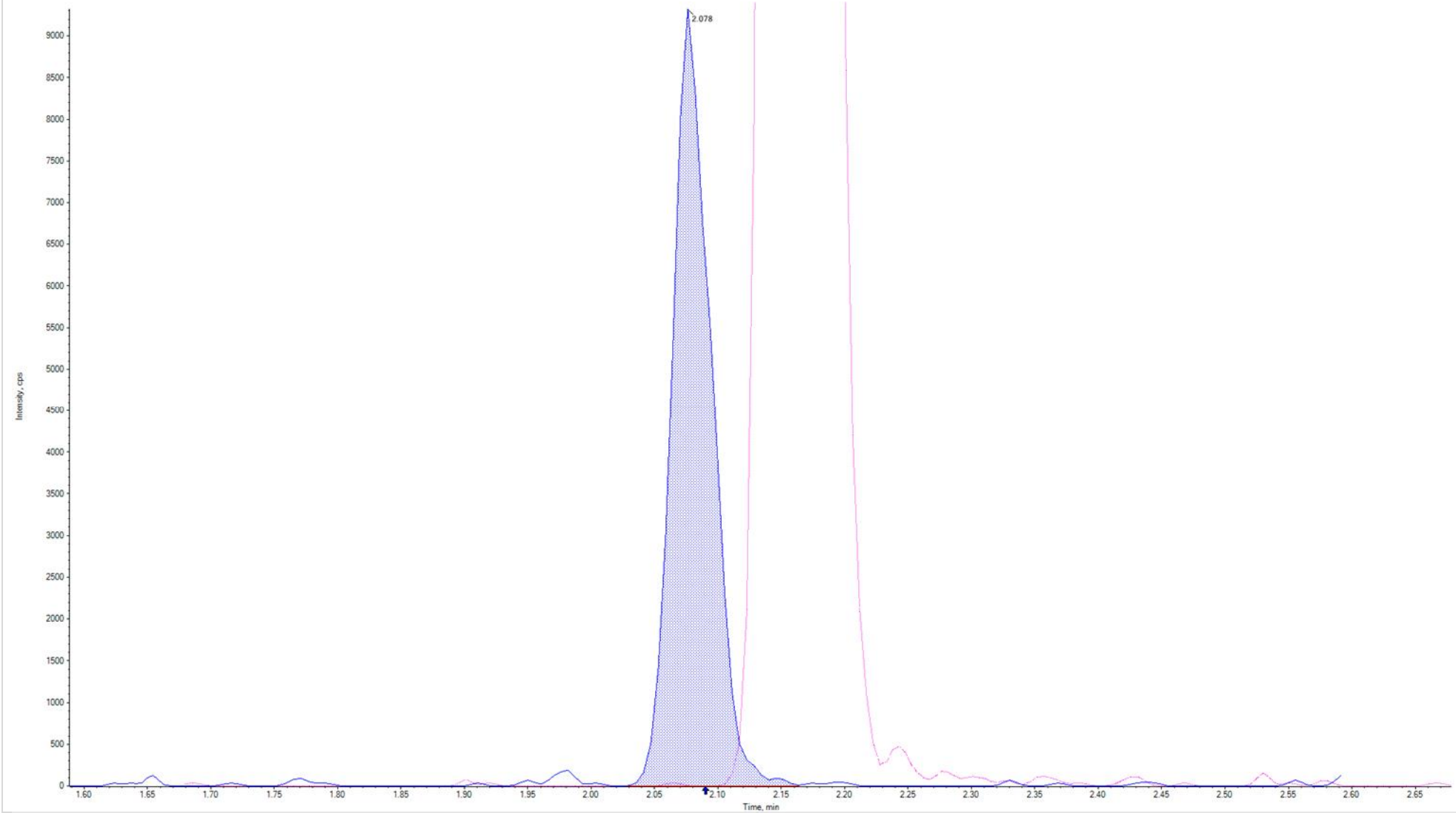
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

PFMBA
Sample: IA1633STD-0.1 S/N:1379.3 Points Across peak:31

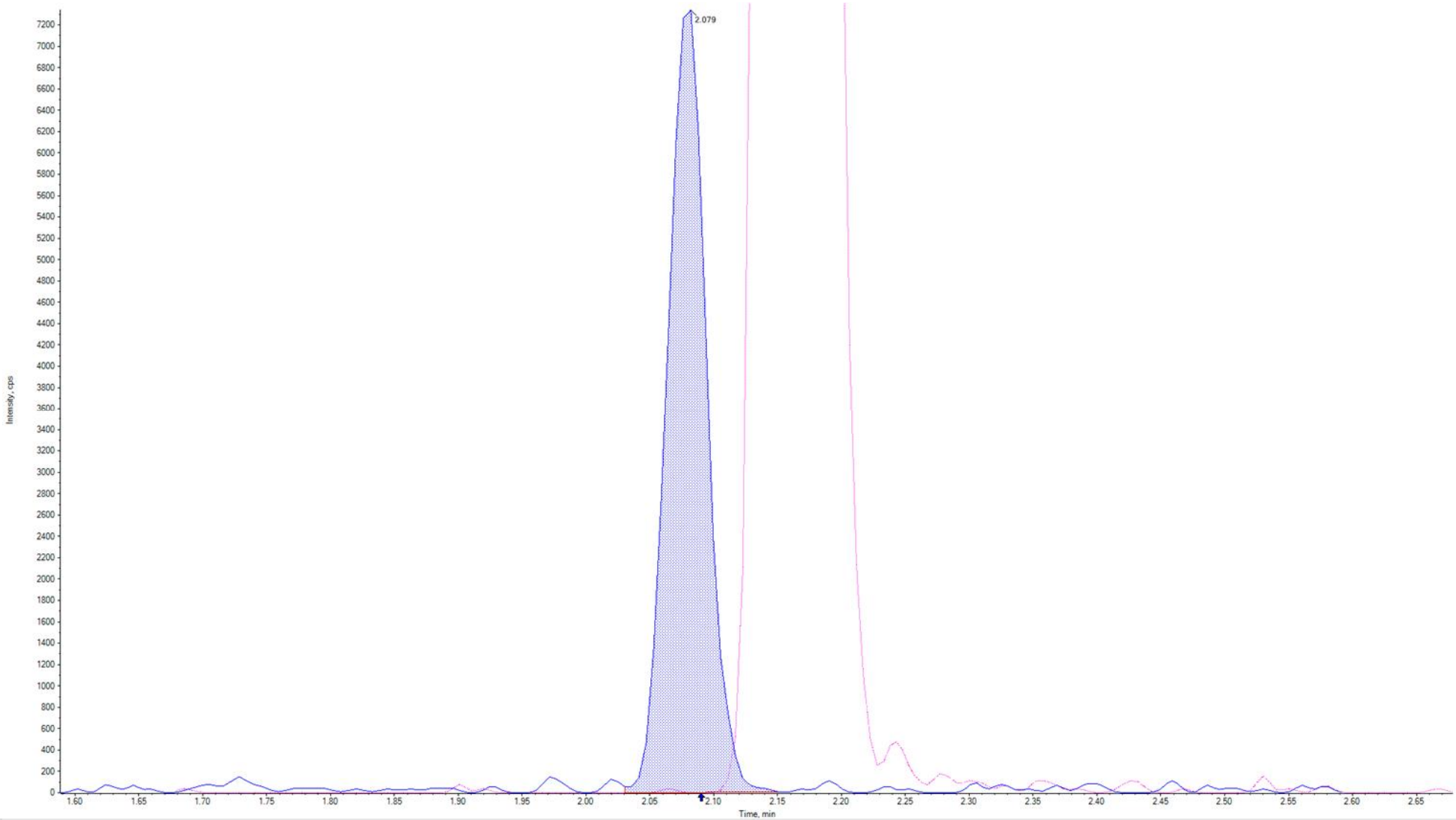


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

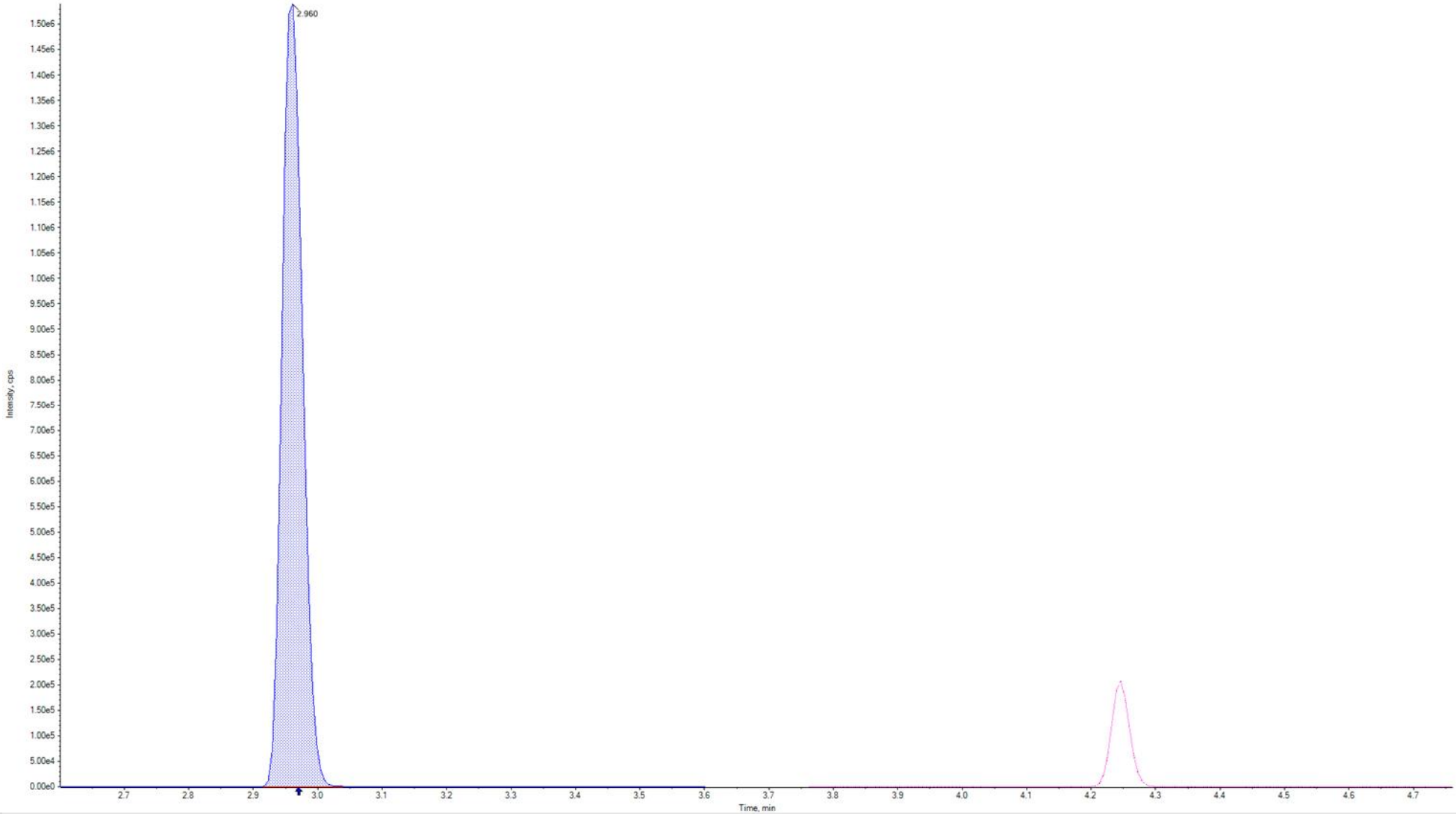
NFDHA
Sample: IA1633STD-0.1 S/N:257.0 Points Across peak:26



NFDHA_2
Sample: IA1633STD-0.1 S/N:202.3 Points Across peak:23

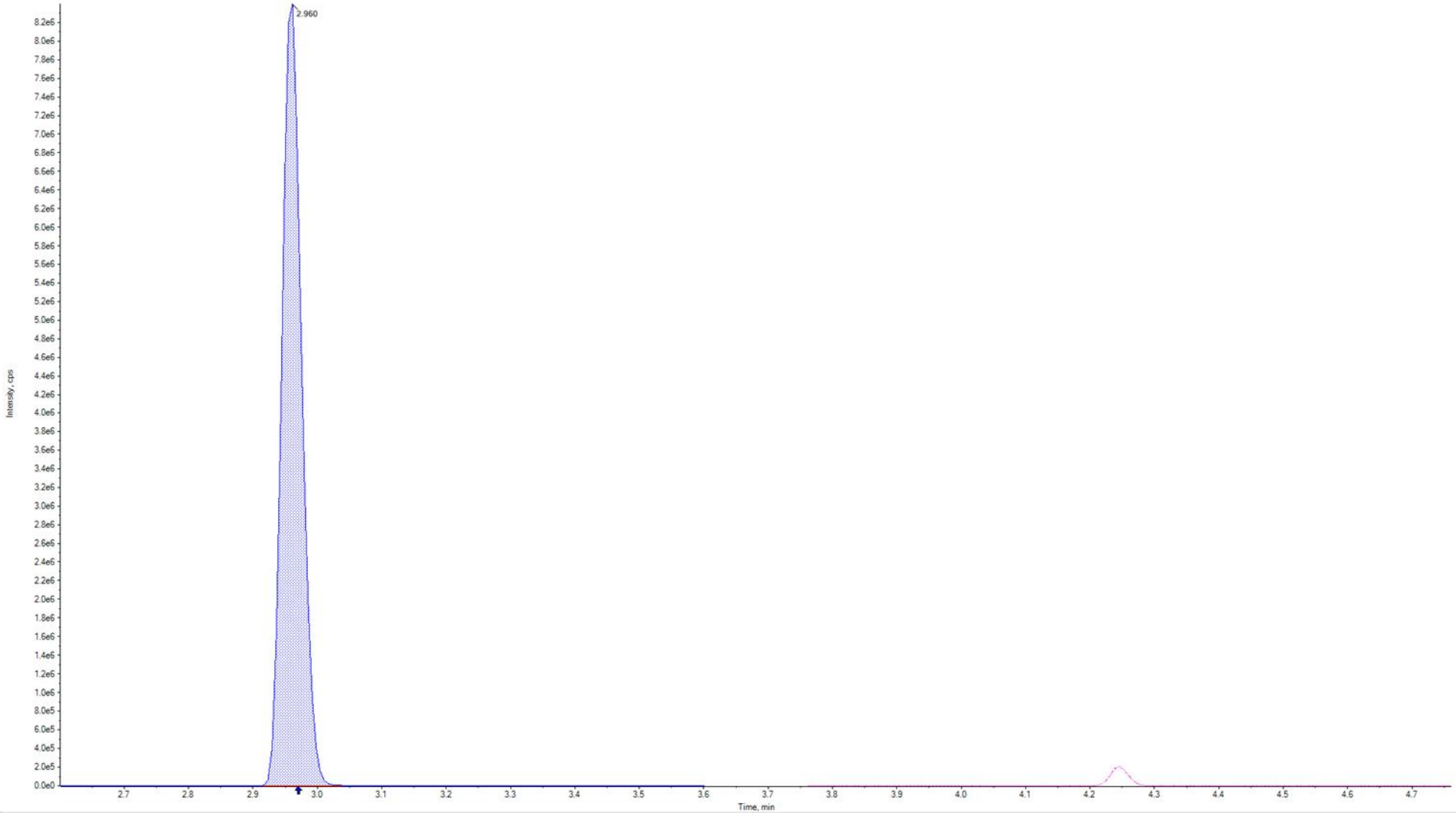


TDCA
Sample: IA1633STD-0.1 S/N:19423.8 Points Across peak:37



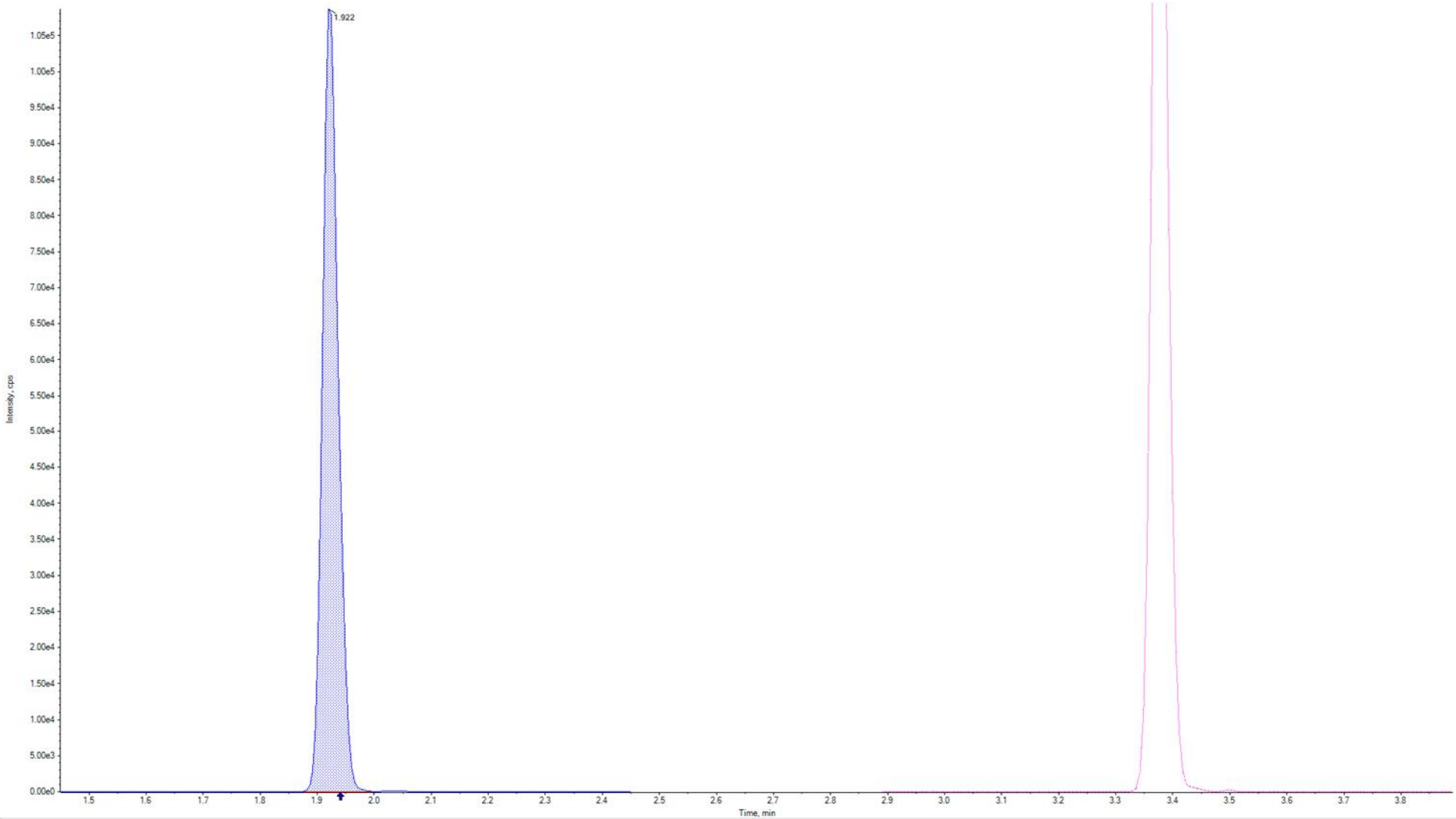
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

TDCA_2
Sample: IA1633STD-0.1 S/N:8830.0 Points Across peak:37



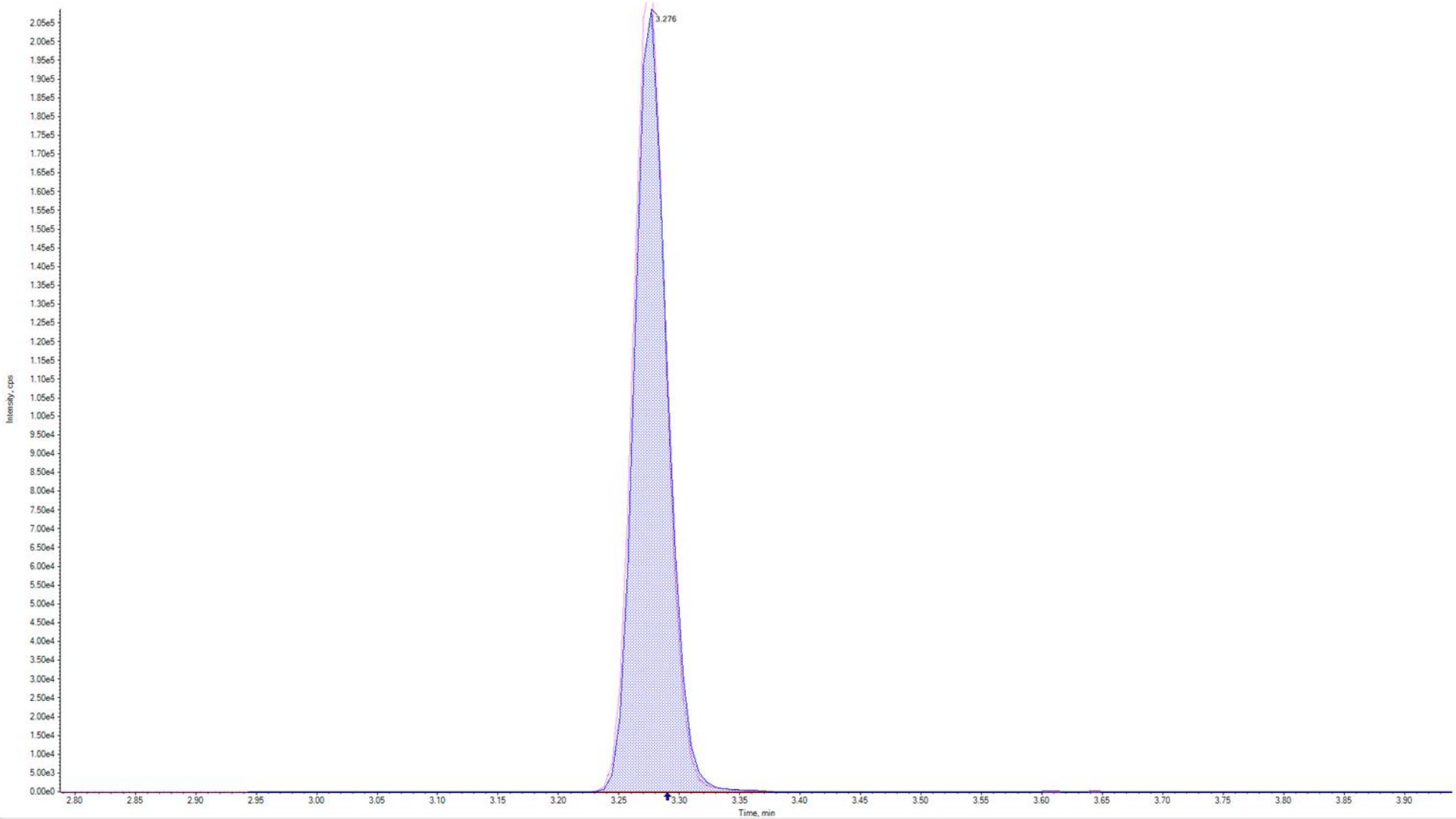
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

13C2D4-4:2FTS
Sample: IA1633STD-0.1 S/N:4086.0 Points Across peak:33

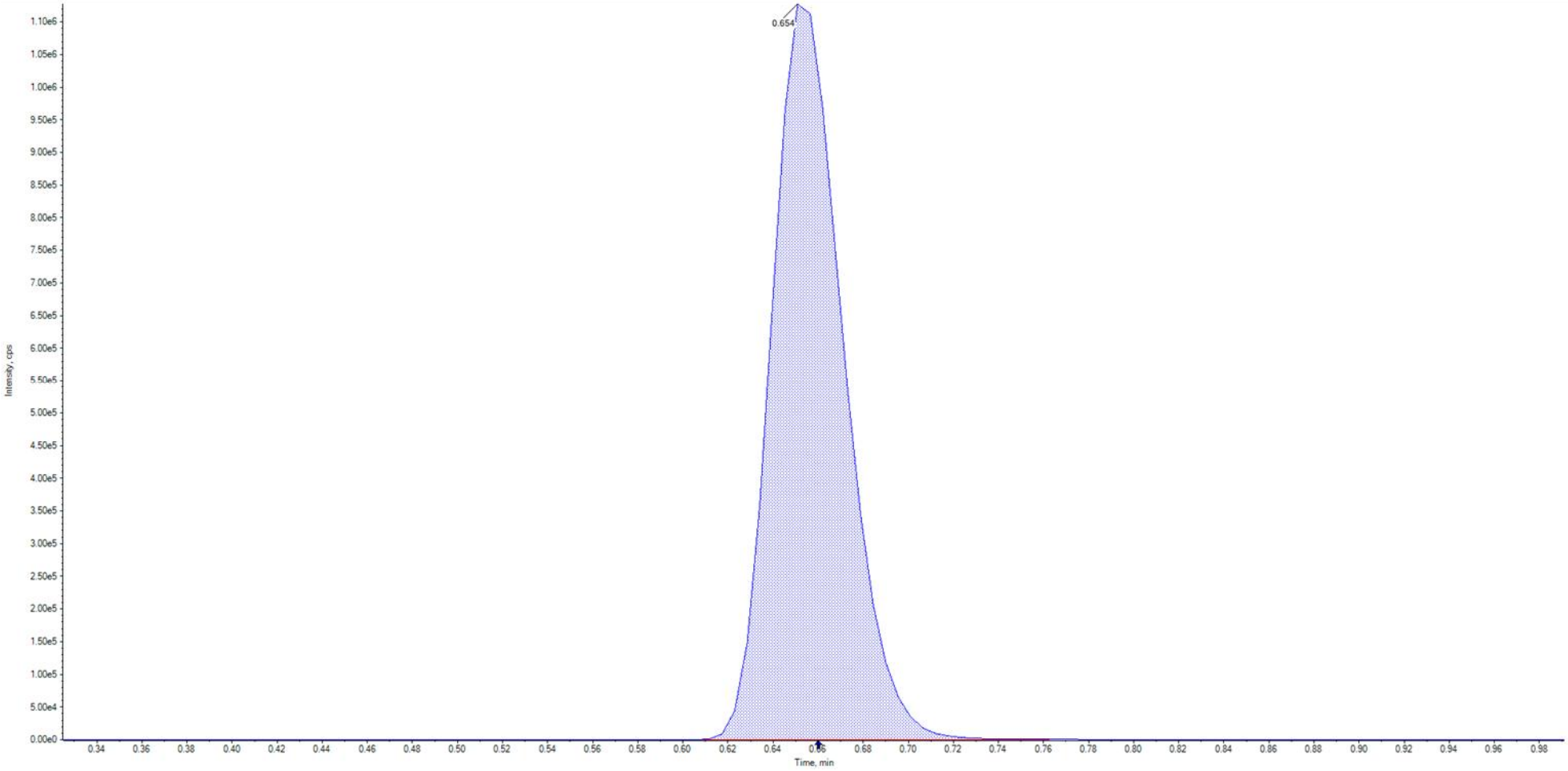


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_07.wiff2_1
Last Altered: 11/15/2024 6:12:44 PM
Generated: 11/15/2024 2:54:34 PM

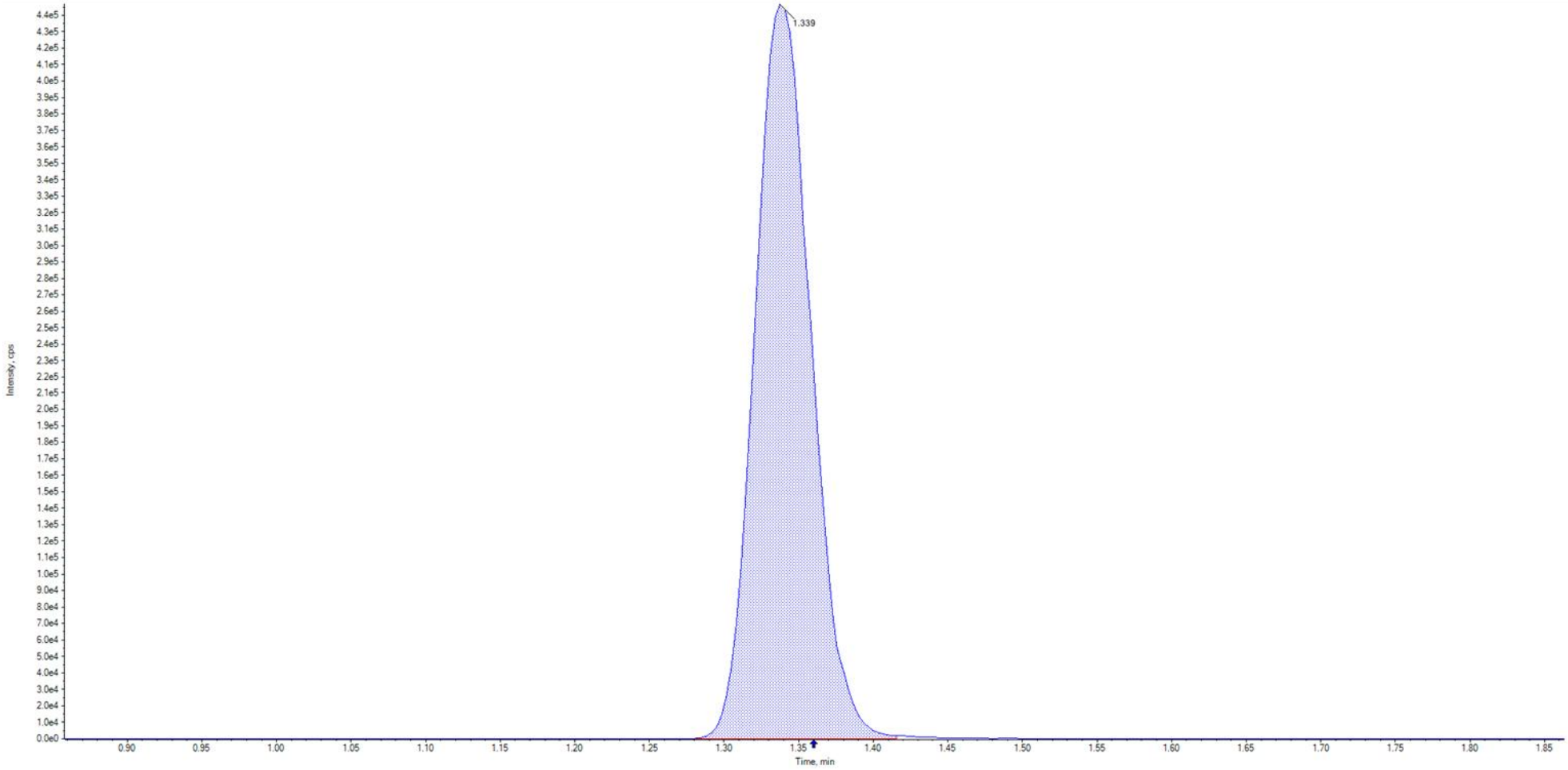
13C2-PFOA
Sample: IA1633STD-0.1 S/N:4706.6 Points Across peak:27



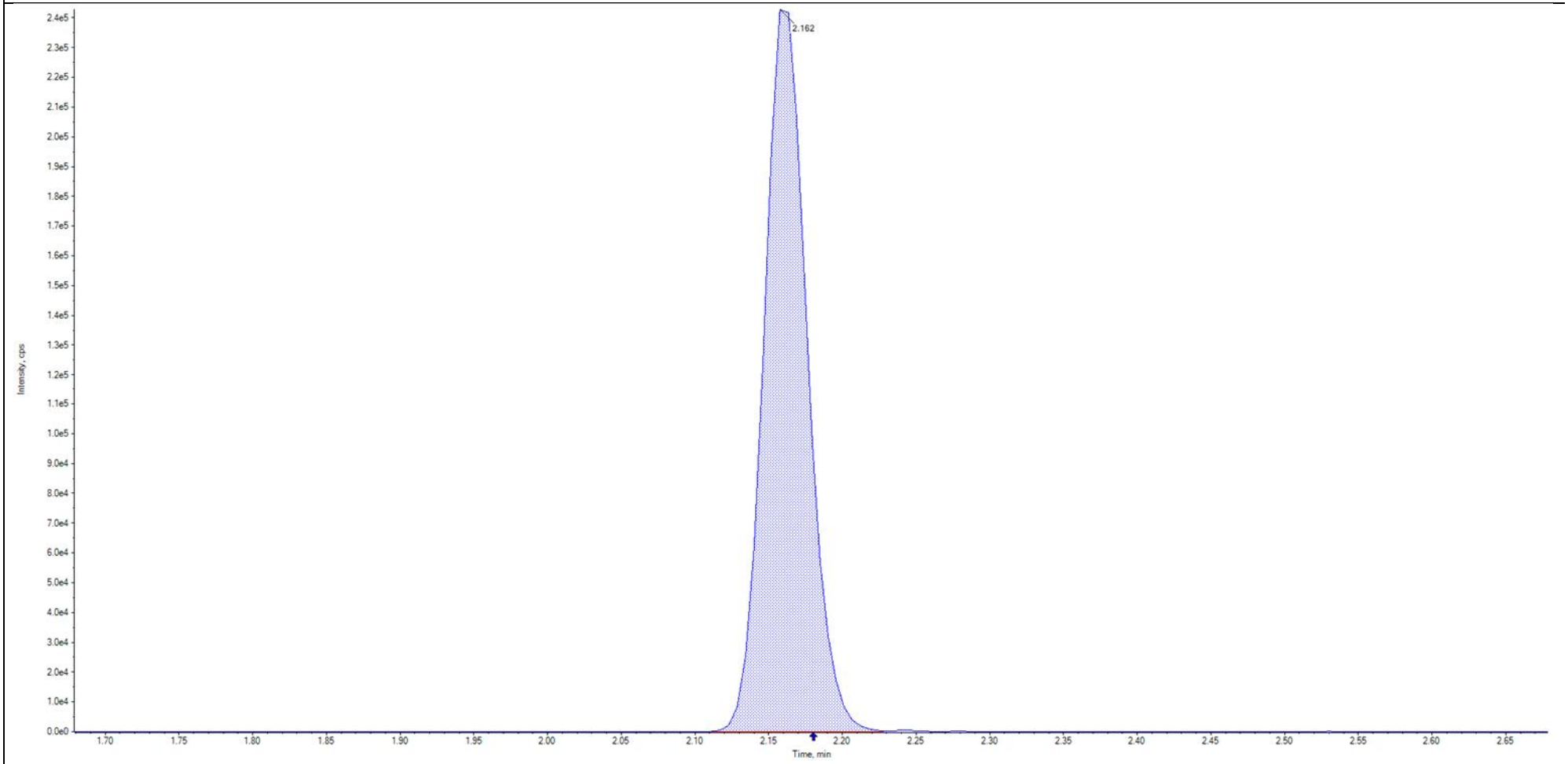
13C4-PFBA
Sample: IA1633STD-0.1



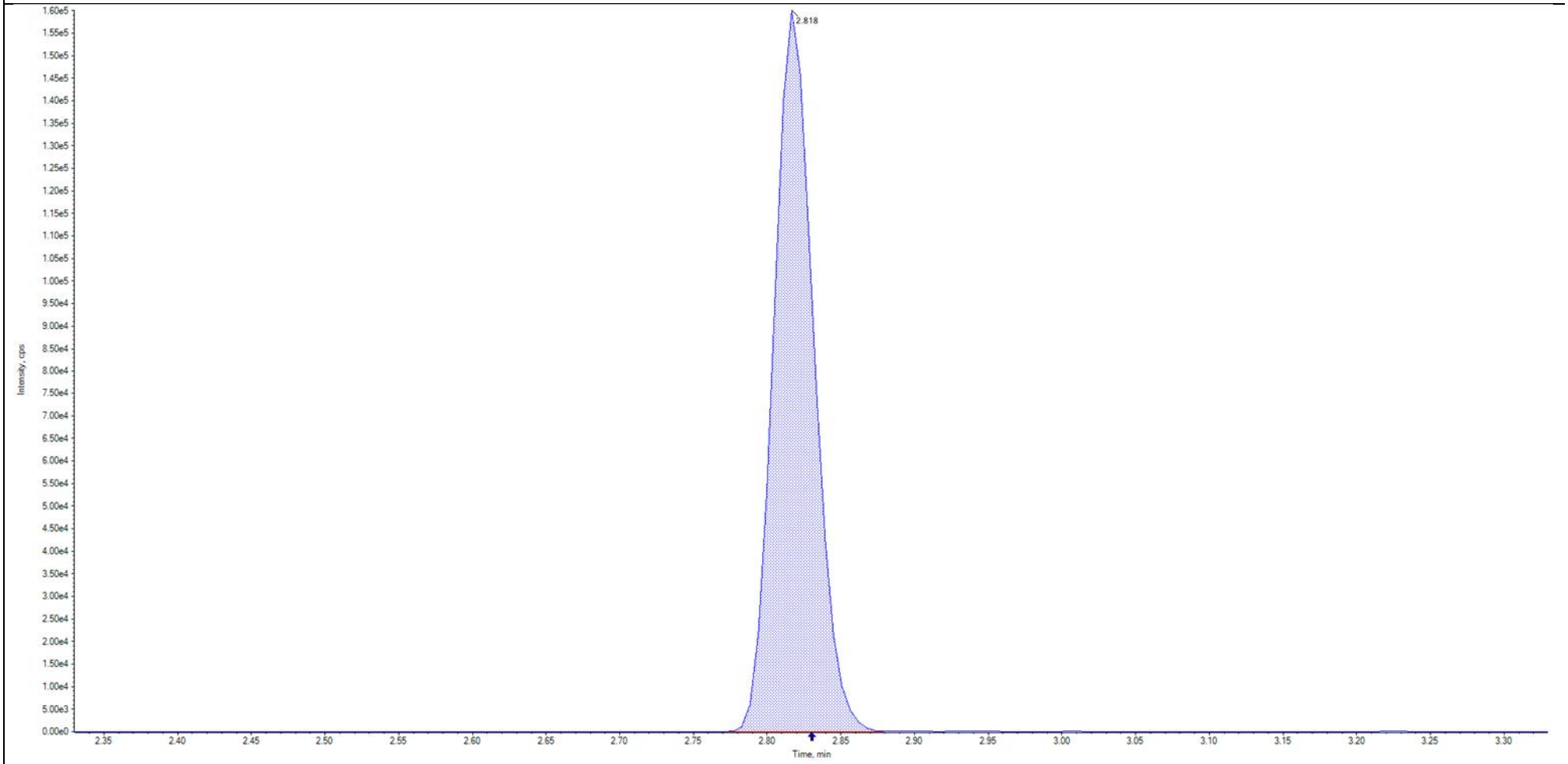
13C5-PFPeA
Sample: IA1633STD-0.1



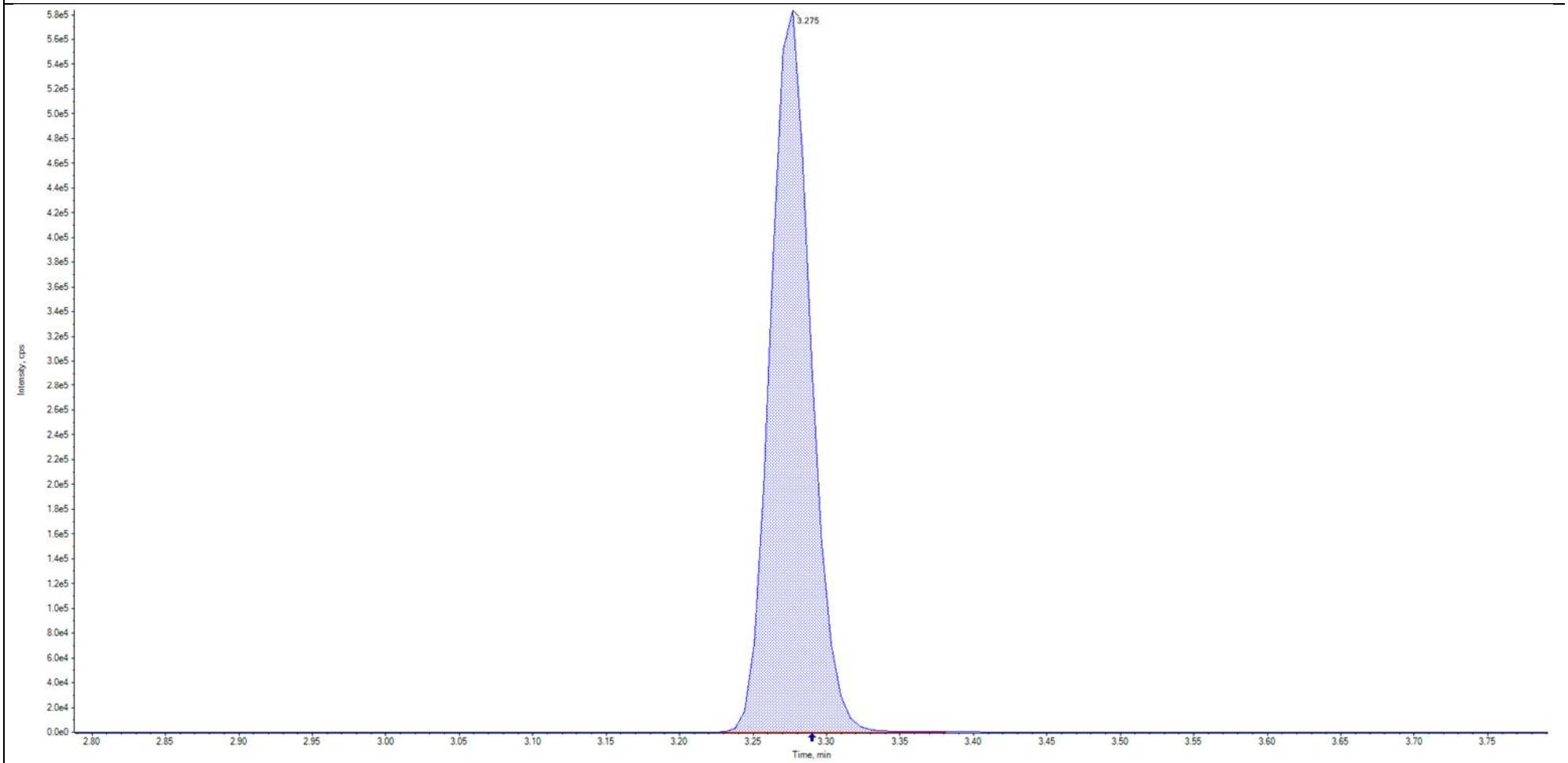
13C5-PFHxA
Sample: IA1633STD-0.1



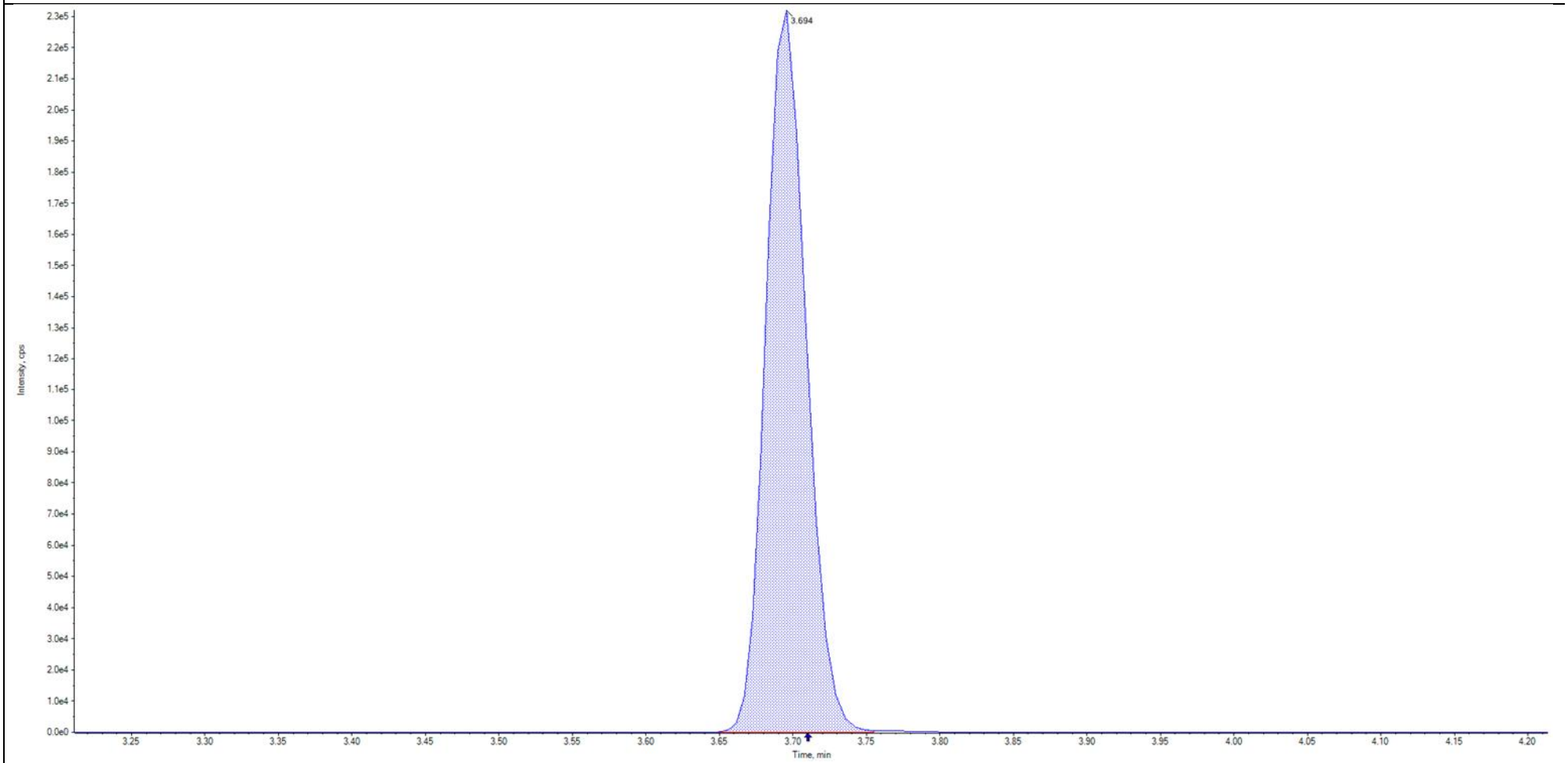
13C4-PFHpA
Sample: IA1633STD-0.1



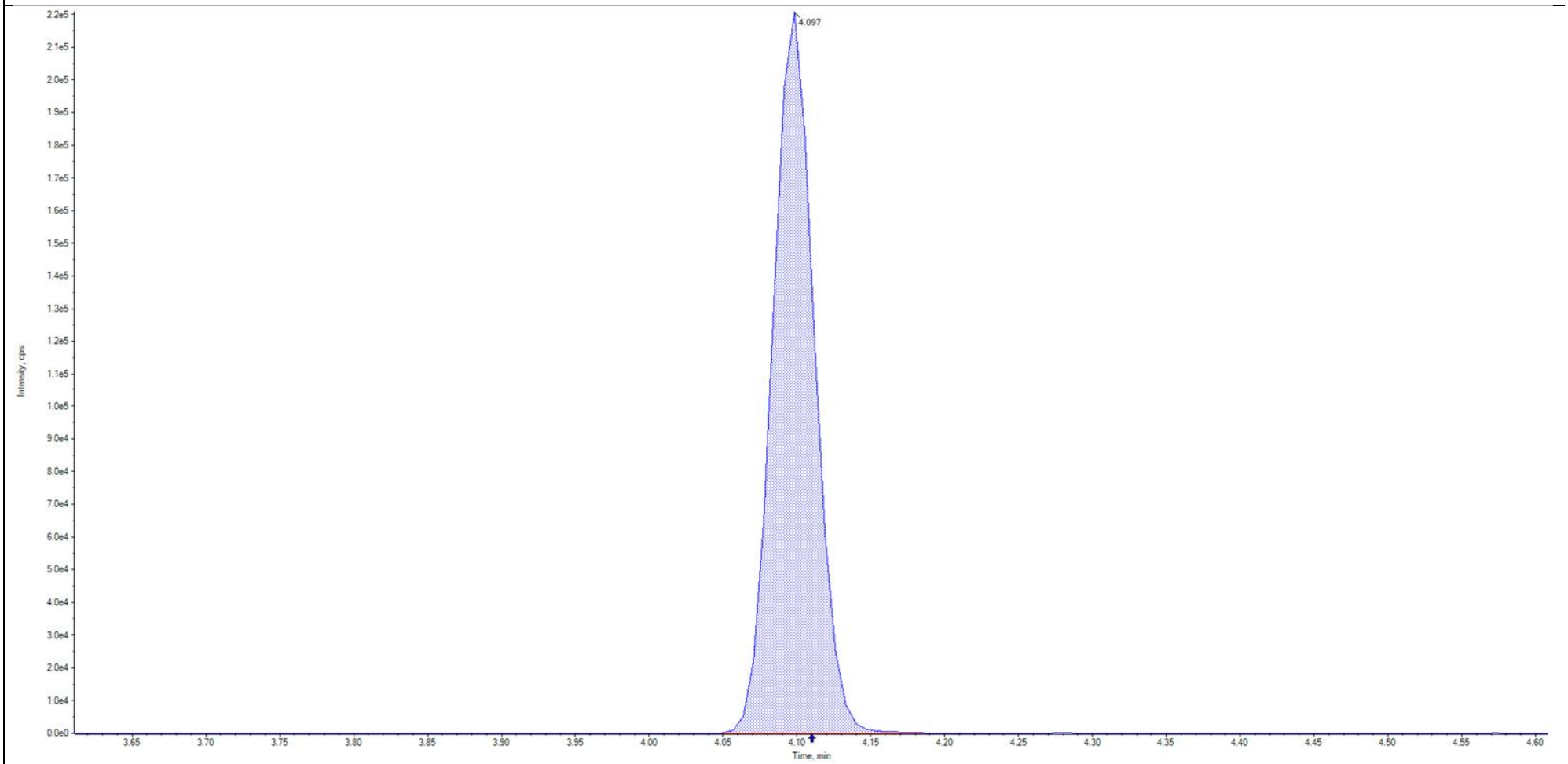
13C8-PFOA
Sample: IA1633STD-0.1



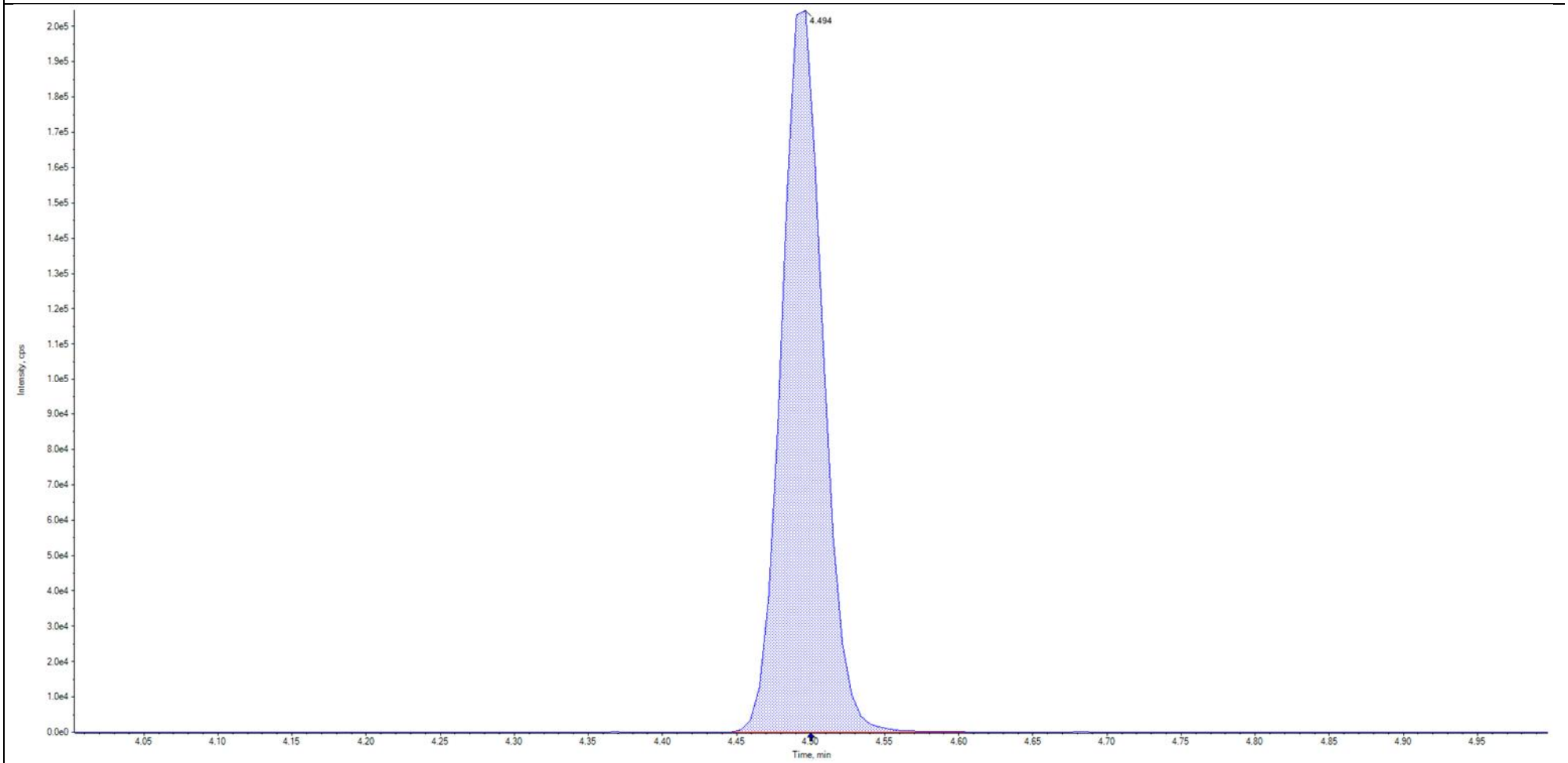
13C9-PFNA
Sample: IA1633STD-0.1



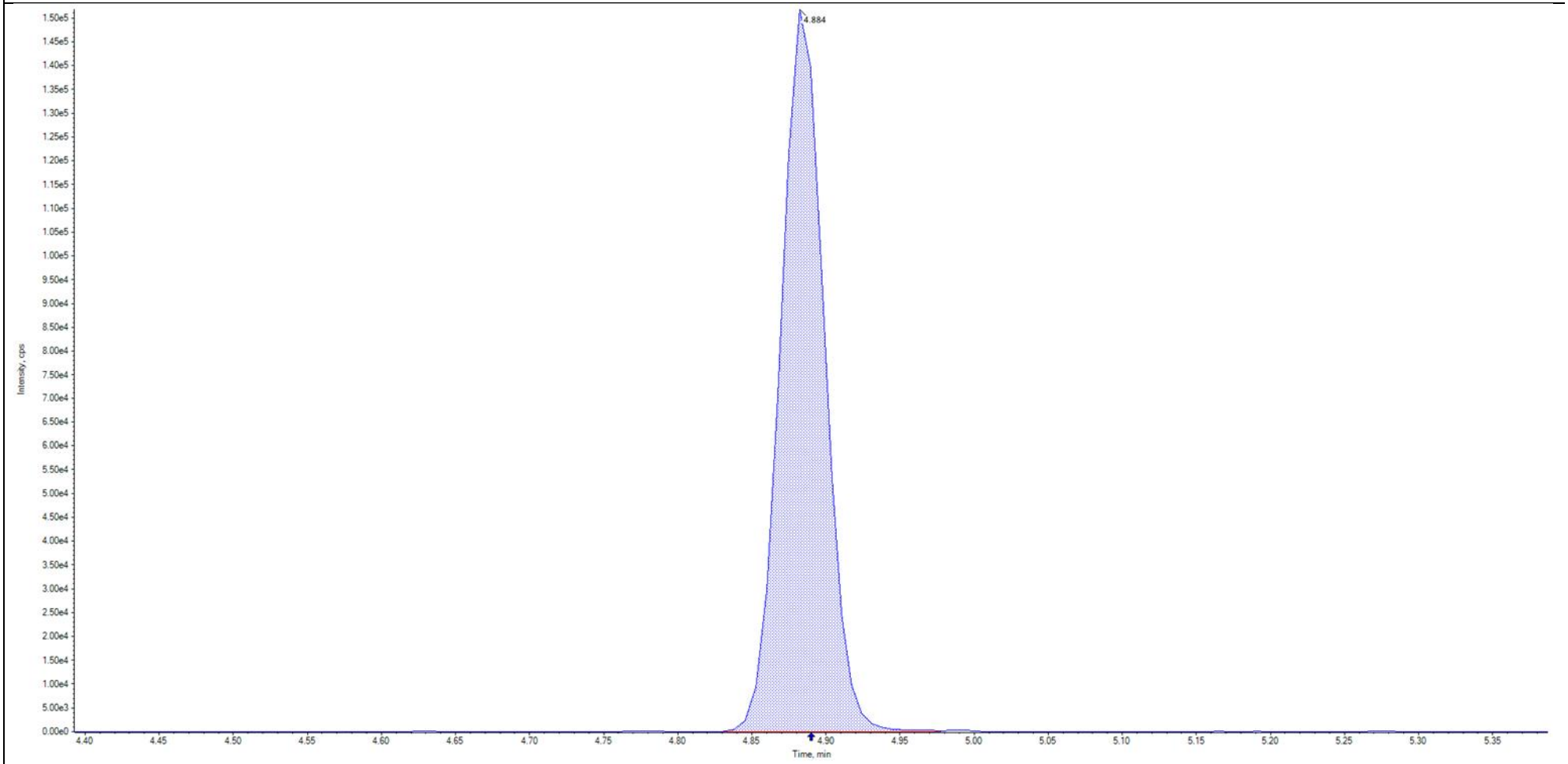
13C6-PFDA
Sample: IA1633STD-0.1



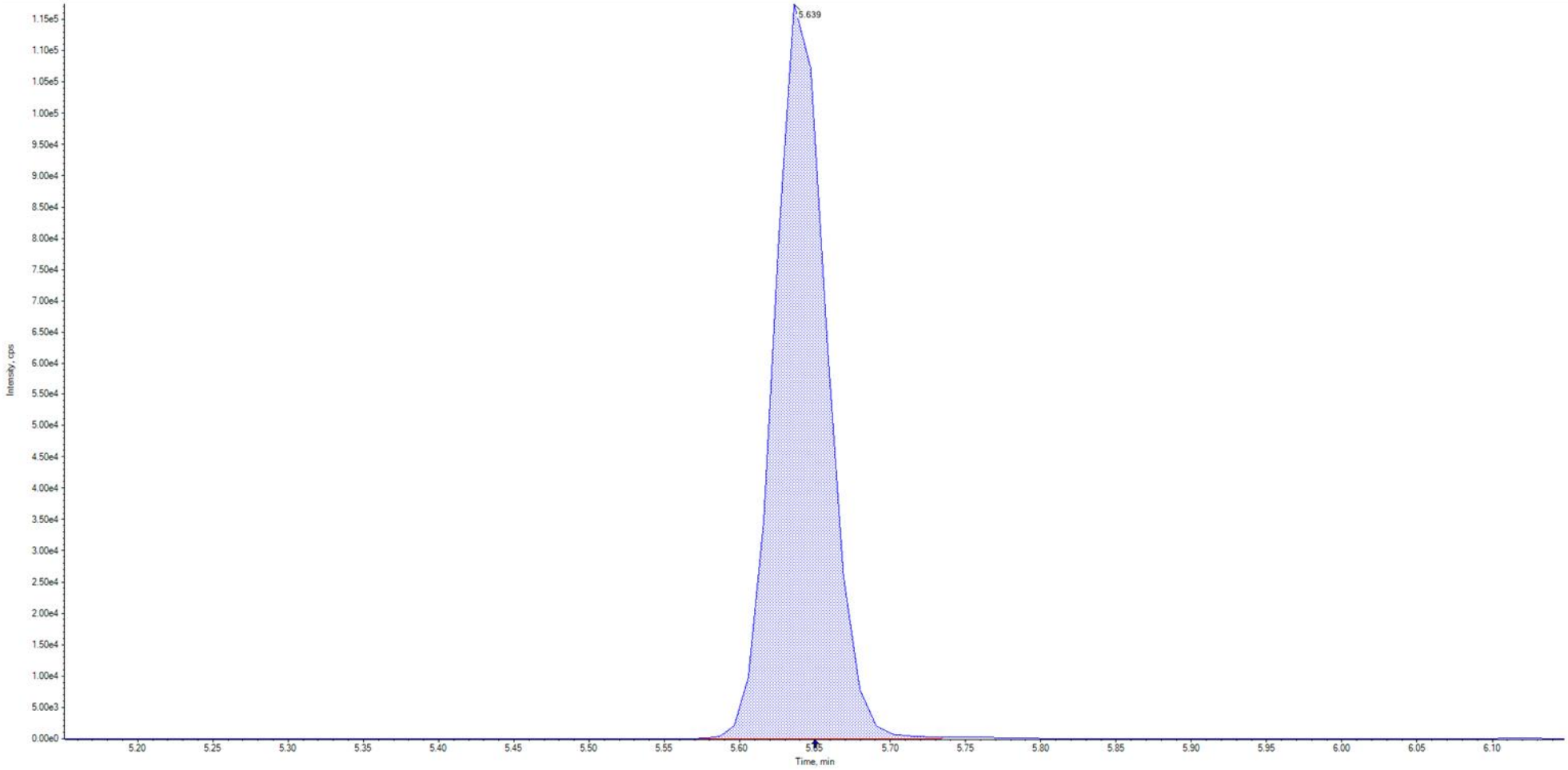
13C7-PFUnA
Sample: IA1633STD-0.1



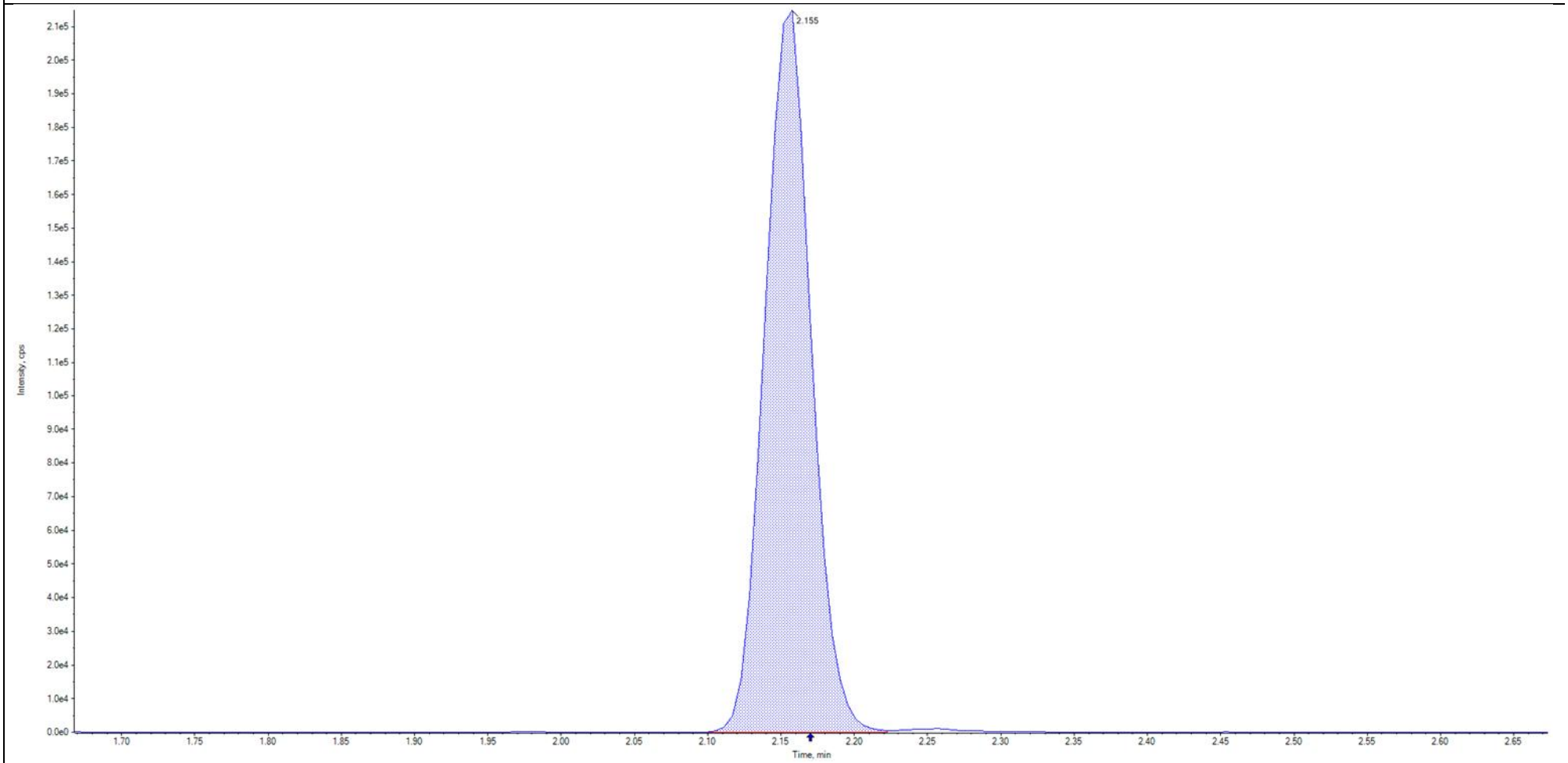
13C2-PFDoA
Sample: IA1633STD-0.1



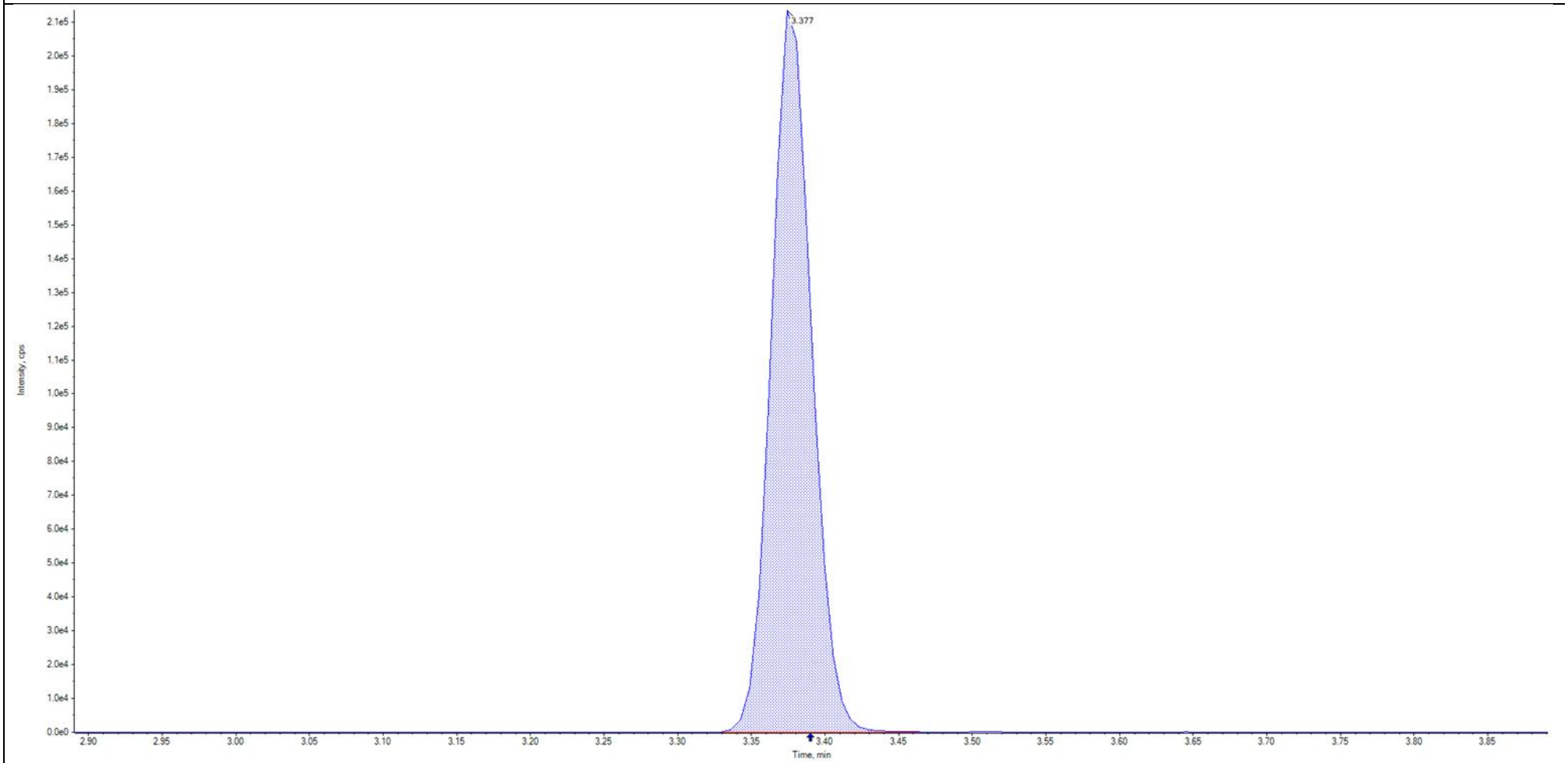
13C2-PFTeDA
Sample: IA1633STD-0.1



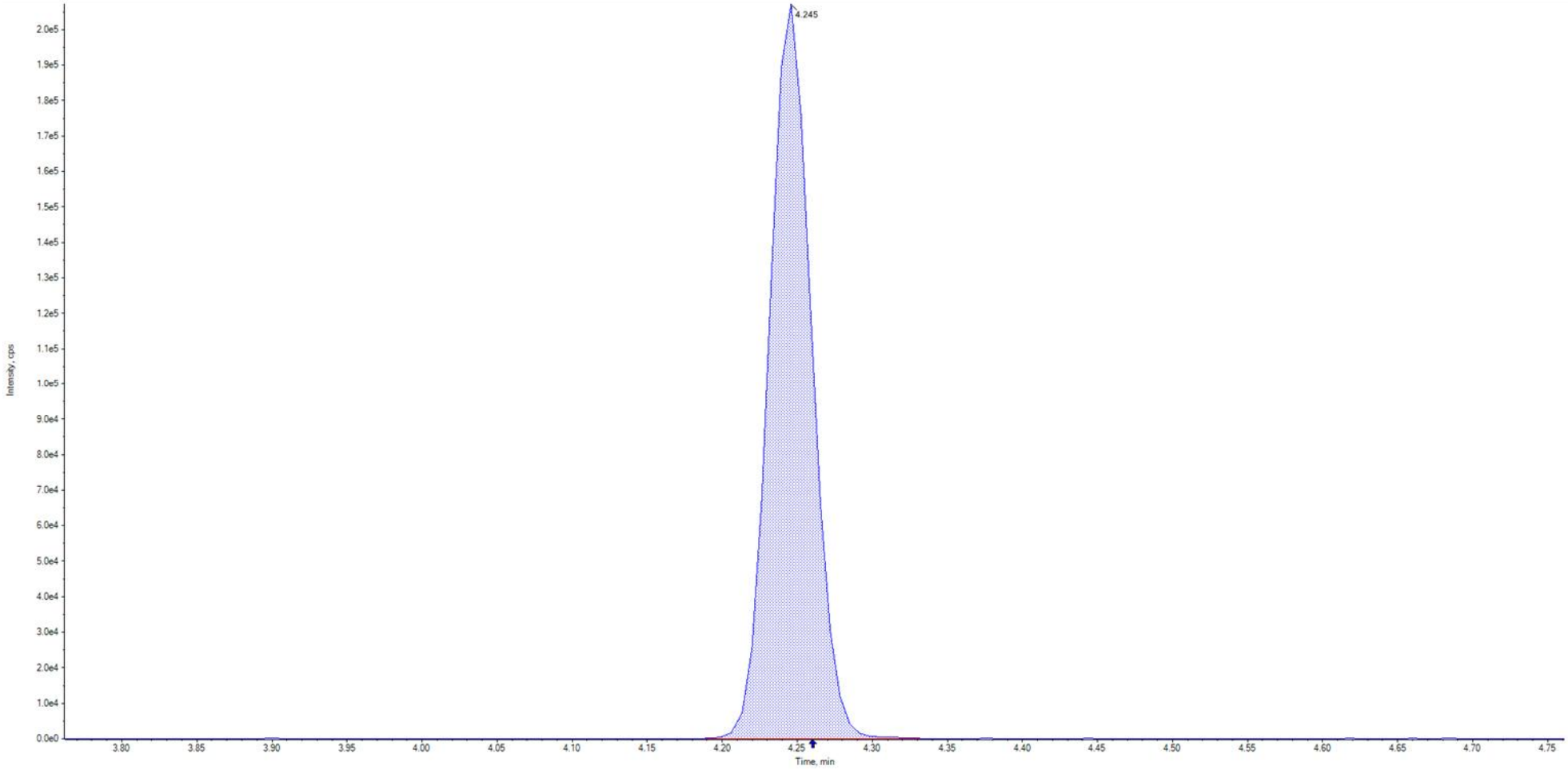
13C3-PFBS
Sample: IA1633STD-0.1



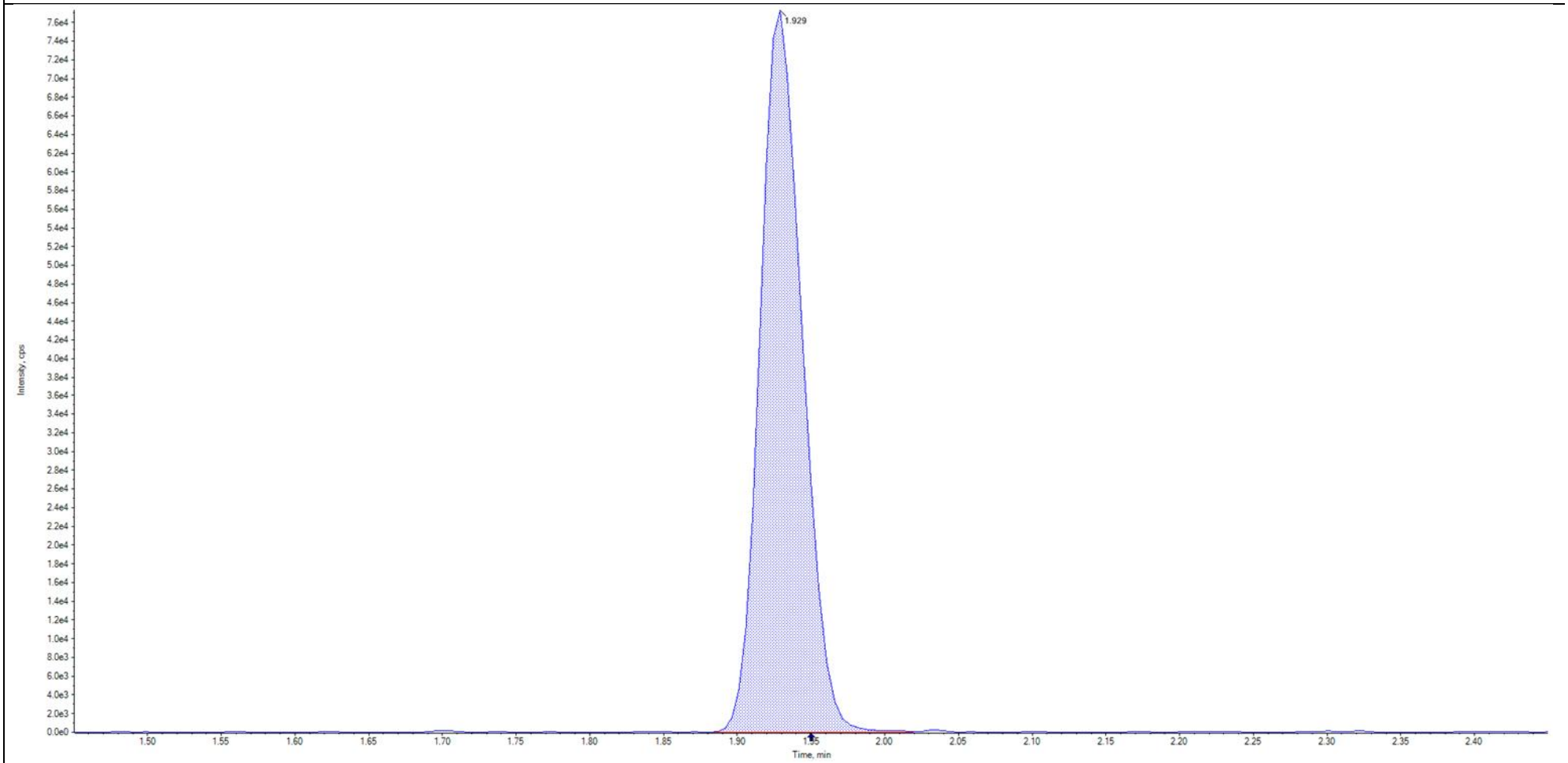
13C3-PFHxS
Sample: IA1633STD-0.1



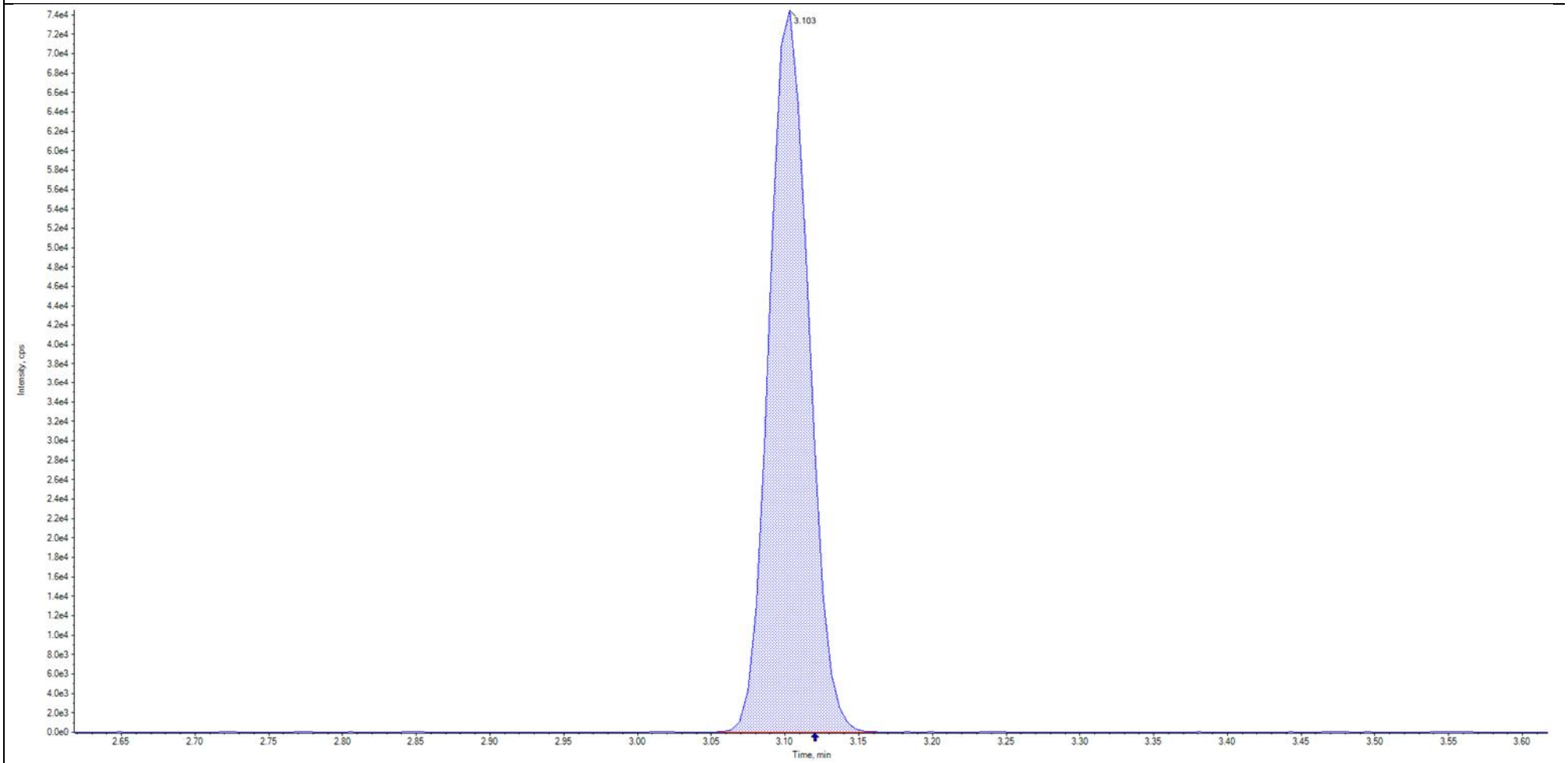
13C8-PFOS
Sample: IA1633STD-0.1



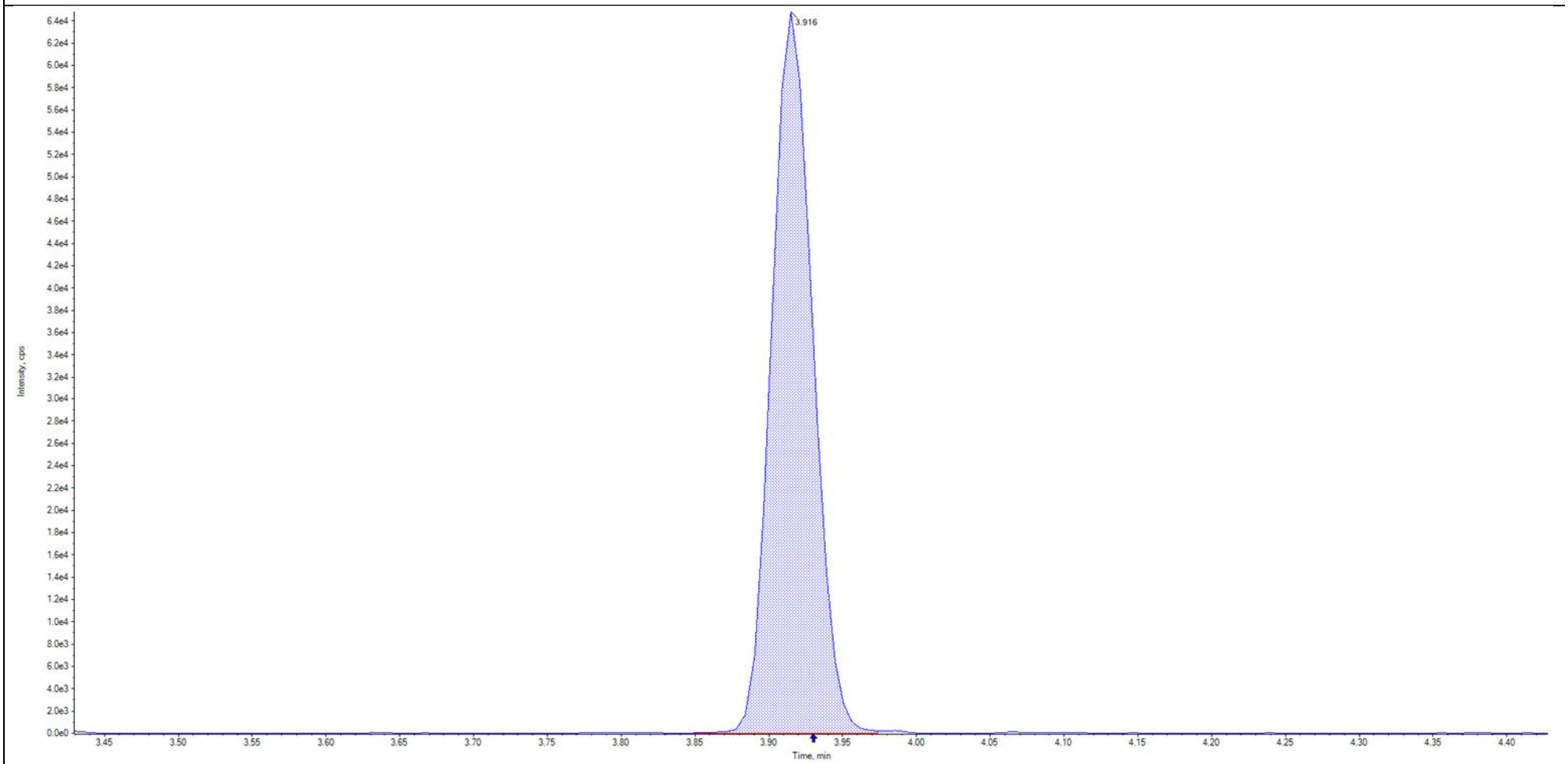
13C2-4:2FTS
Sample: IA1633STD-0.1



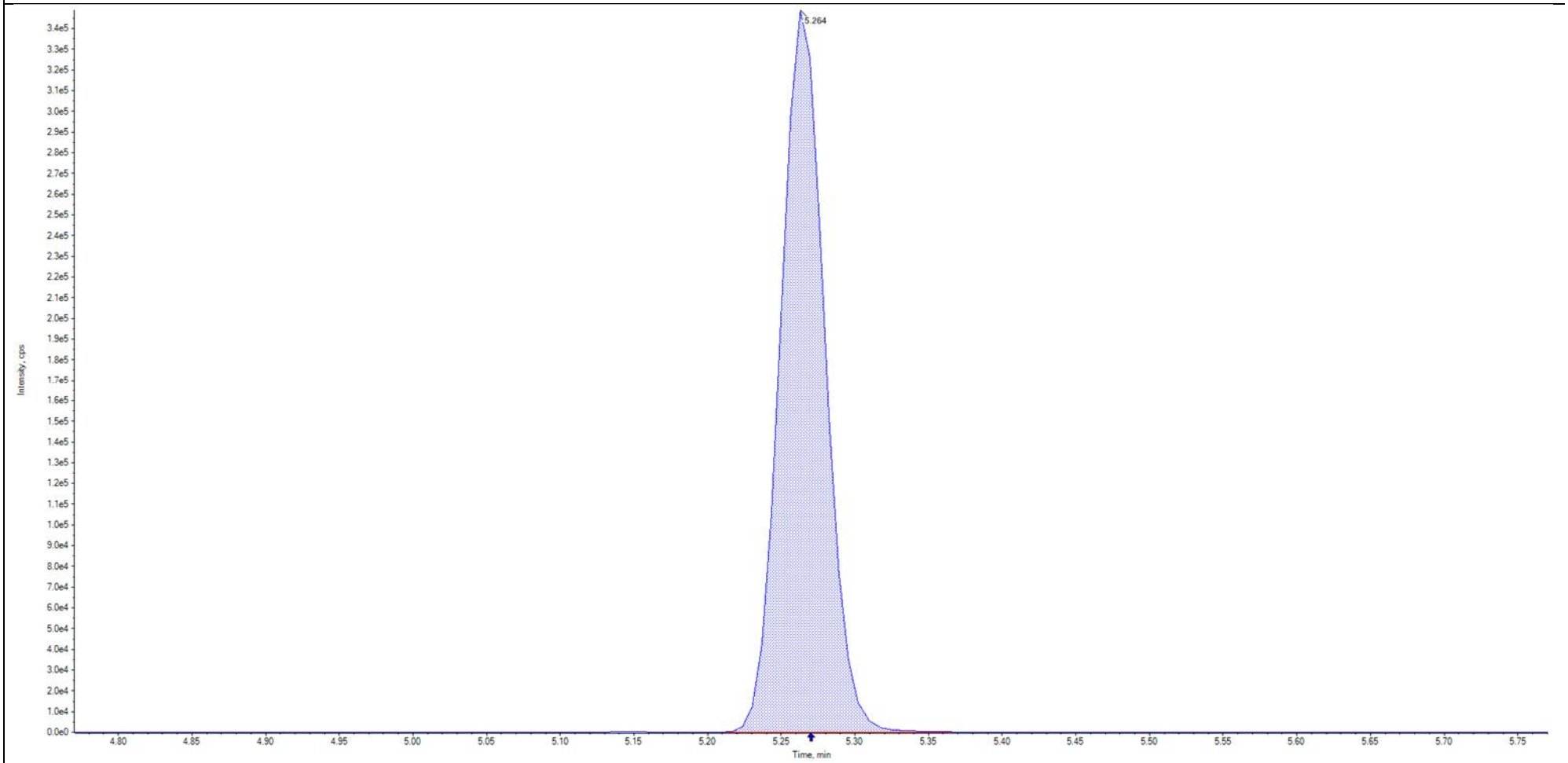
13C2-6:2FTS
Sample: IA1633STD-0.1



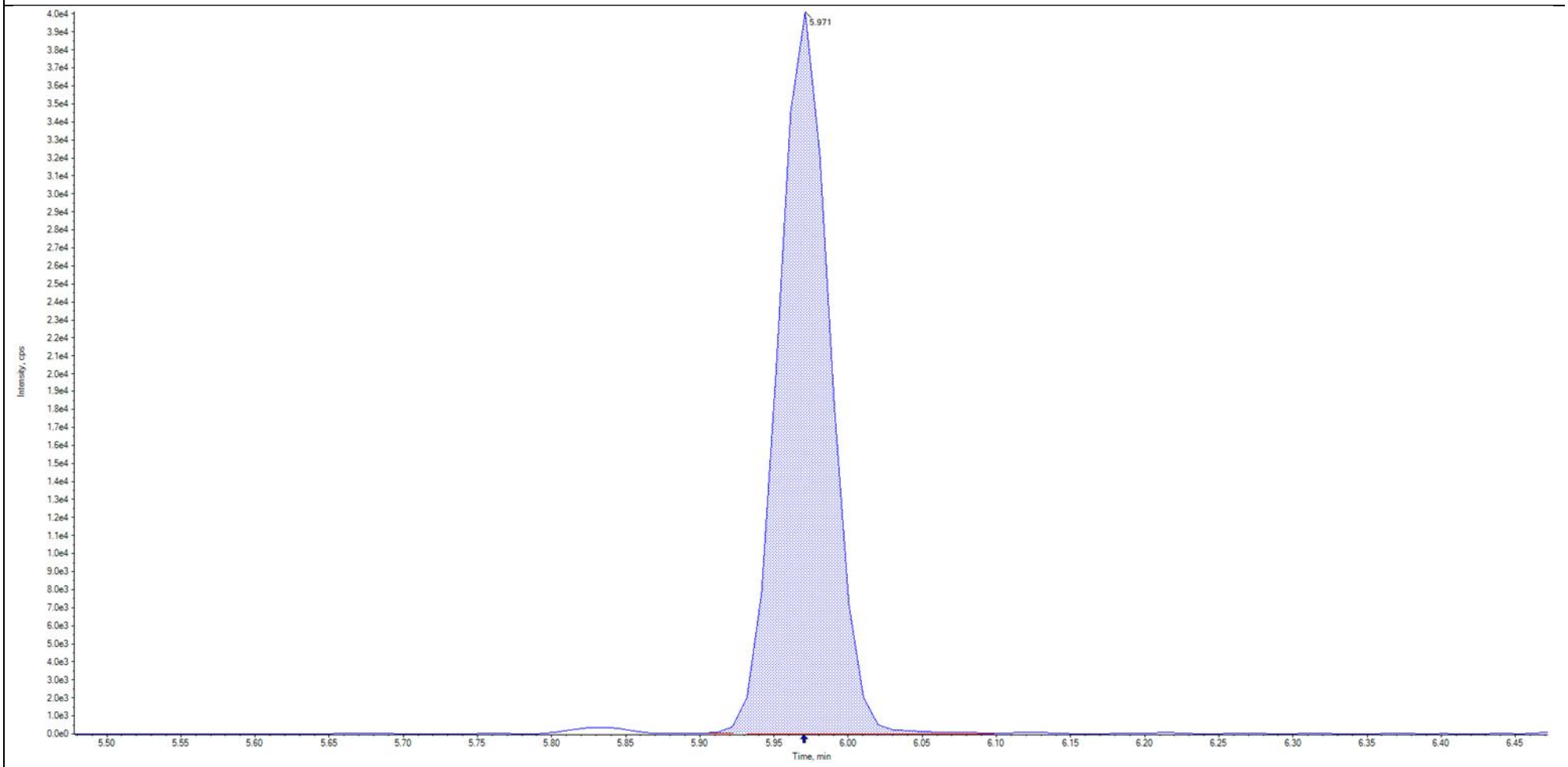
13C2-8:2FTS
Sample: IA1633STD-0.1



13C8-PFOSA
Sample: IA1633STD-0.1



d3-NMeFOSA
Sample: IA1633STD-0.1



d5-NEtFOSA
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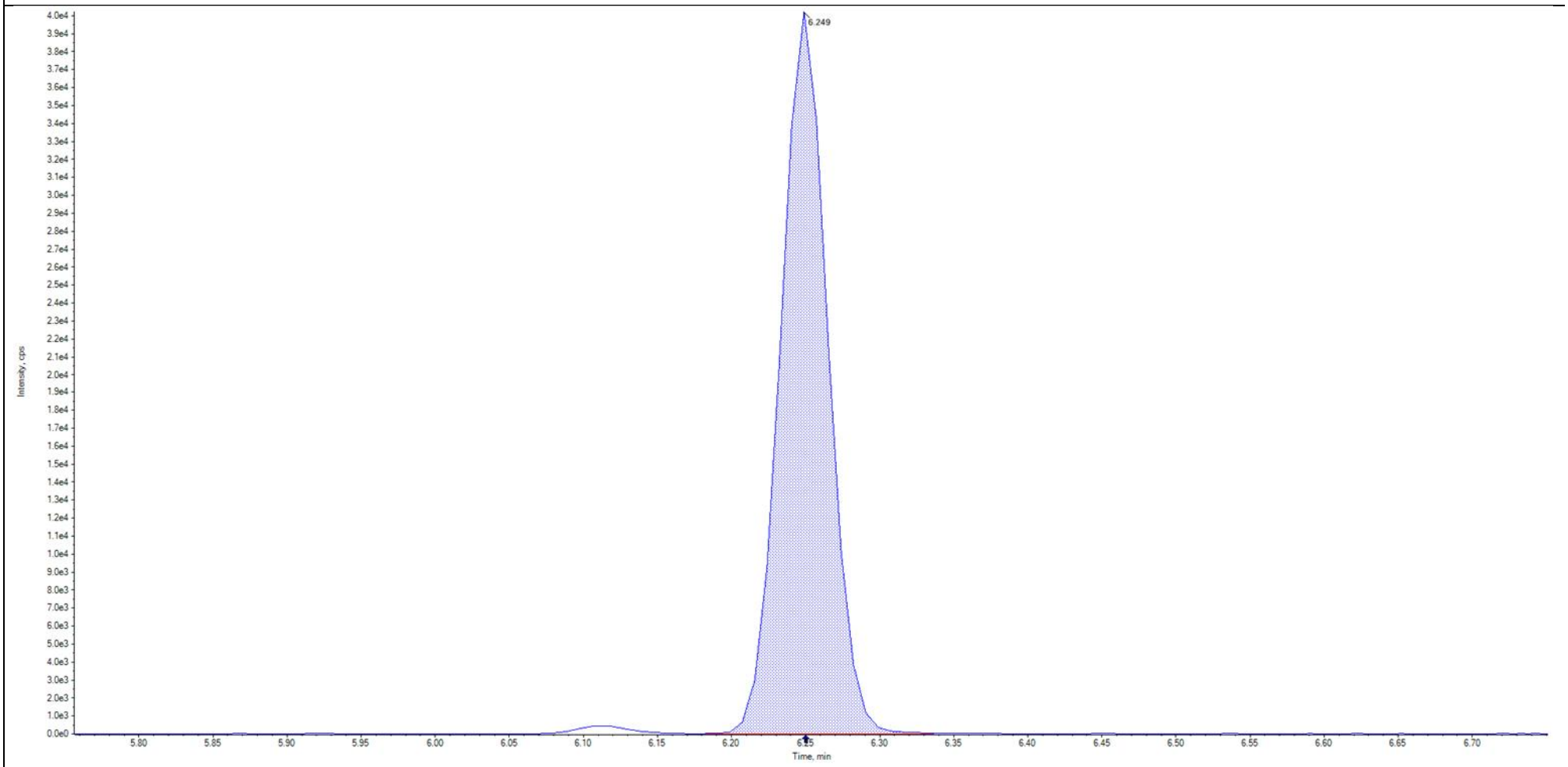

d3-NMeFOSAA
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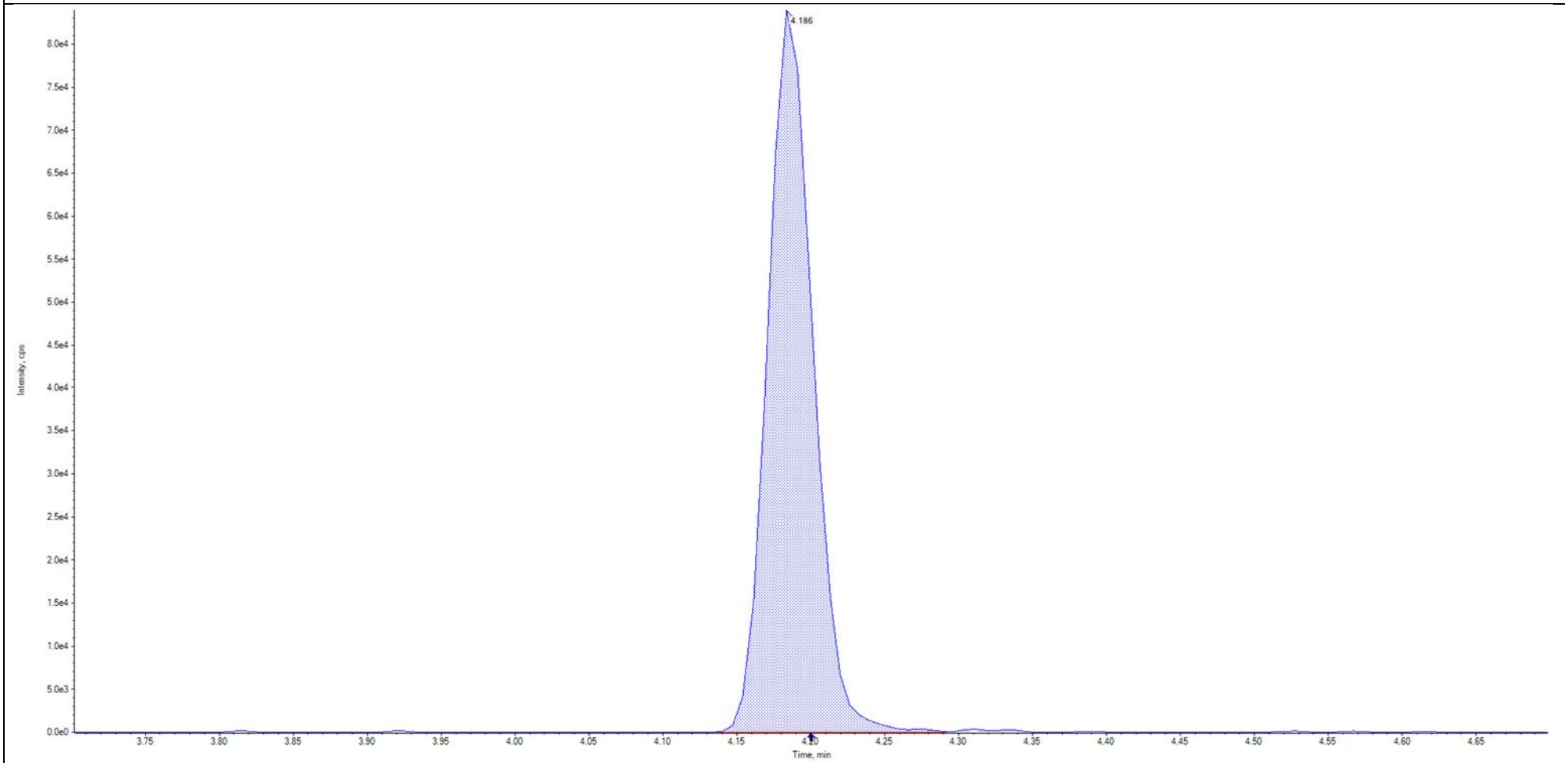

d5-NEtFOSAA
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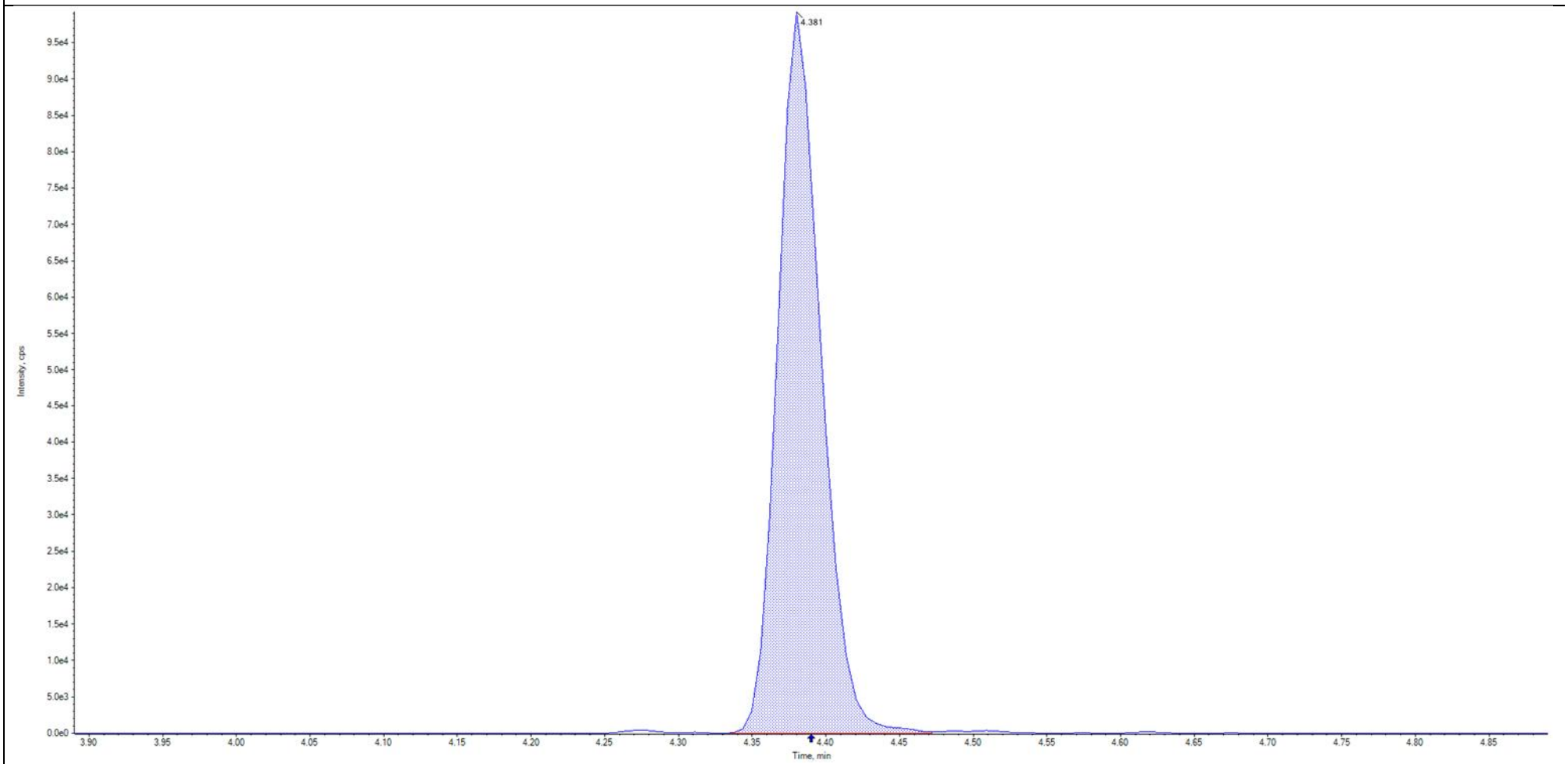

d7-NMeFOSE
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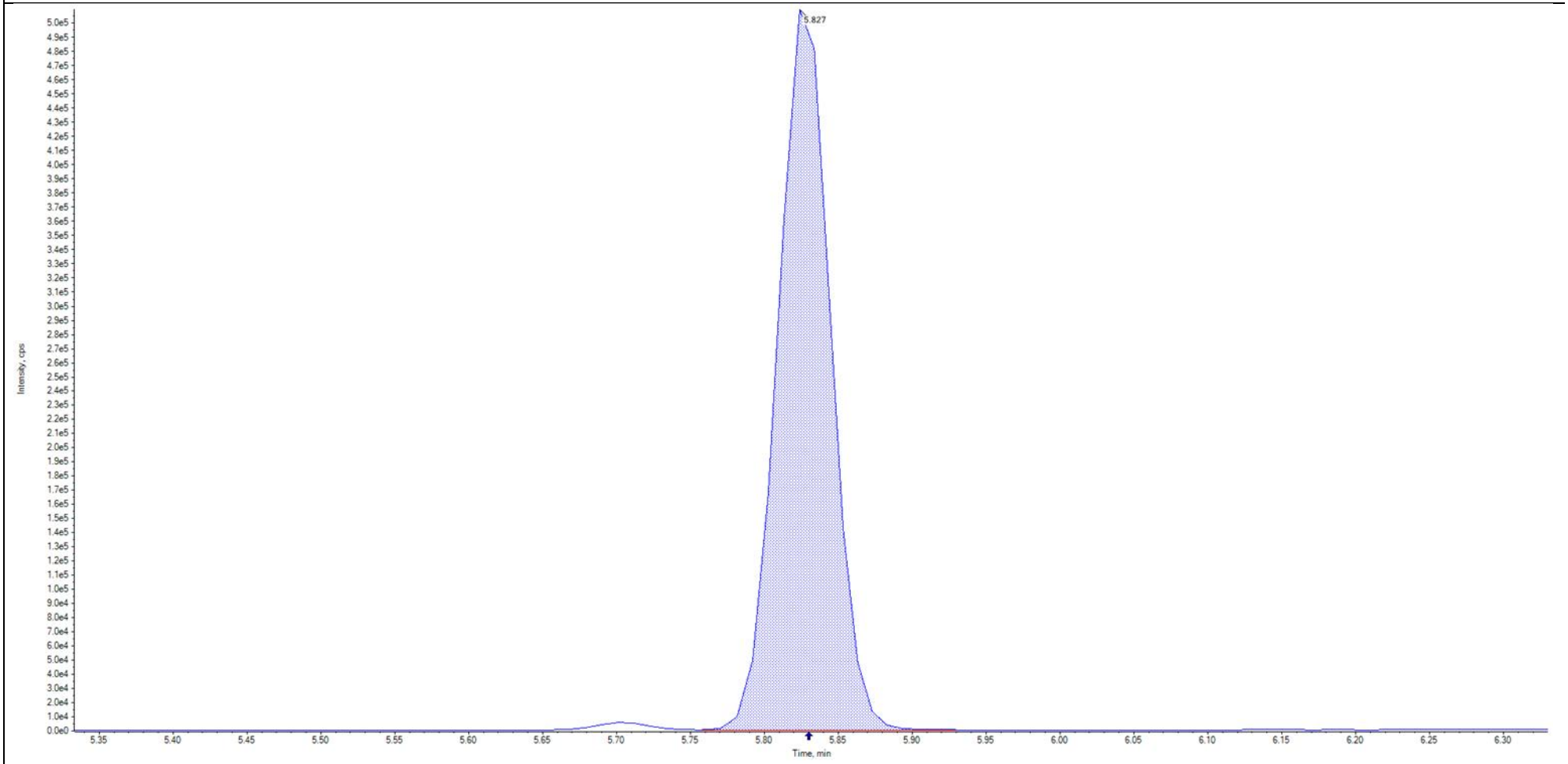

d9-NEtFOSE
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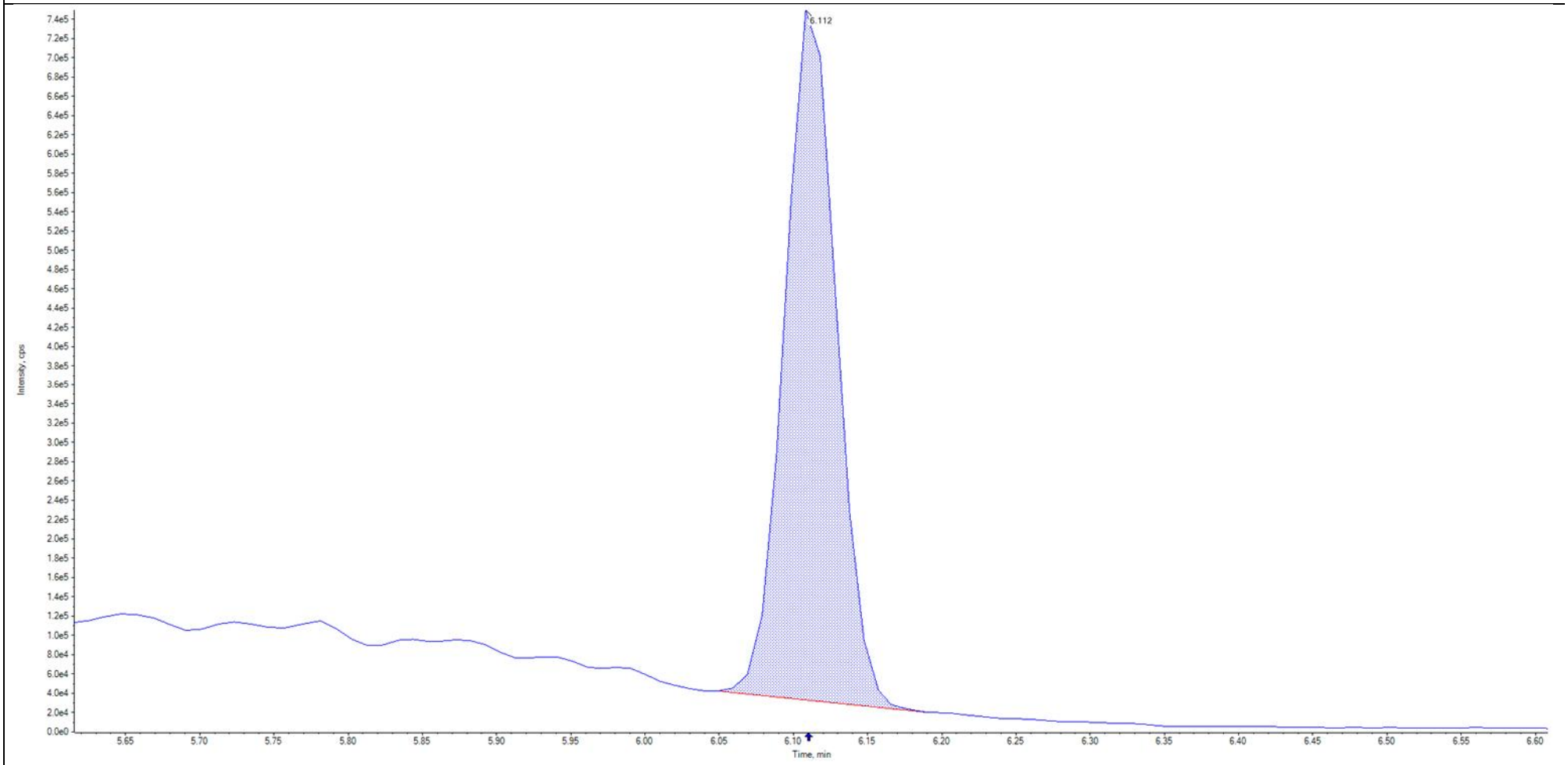

13C3-HFPO-DA
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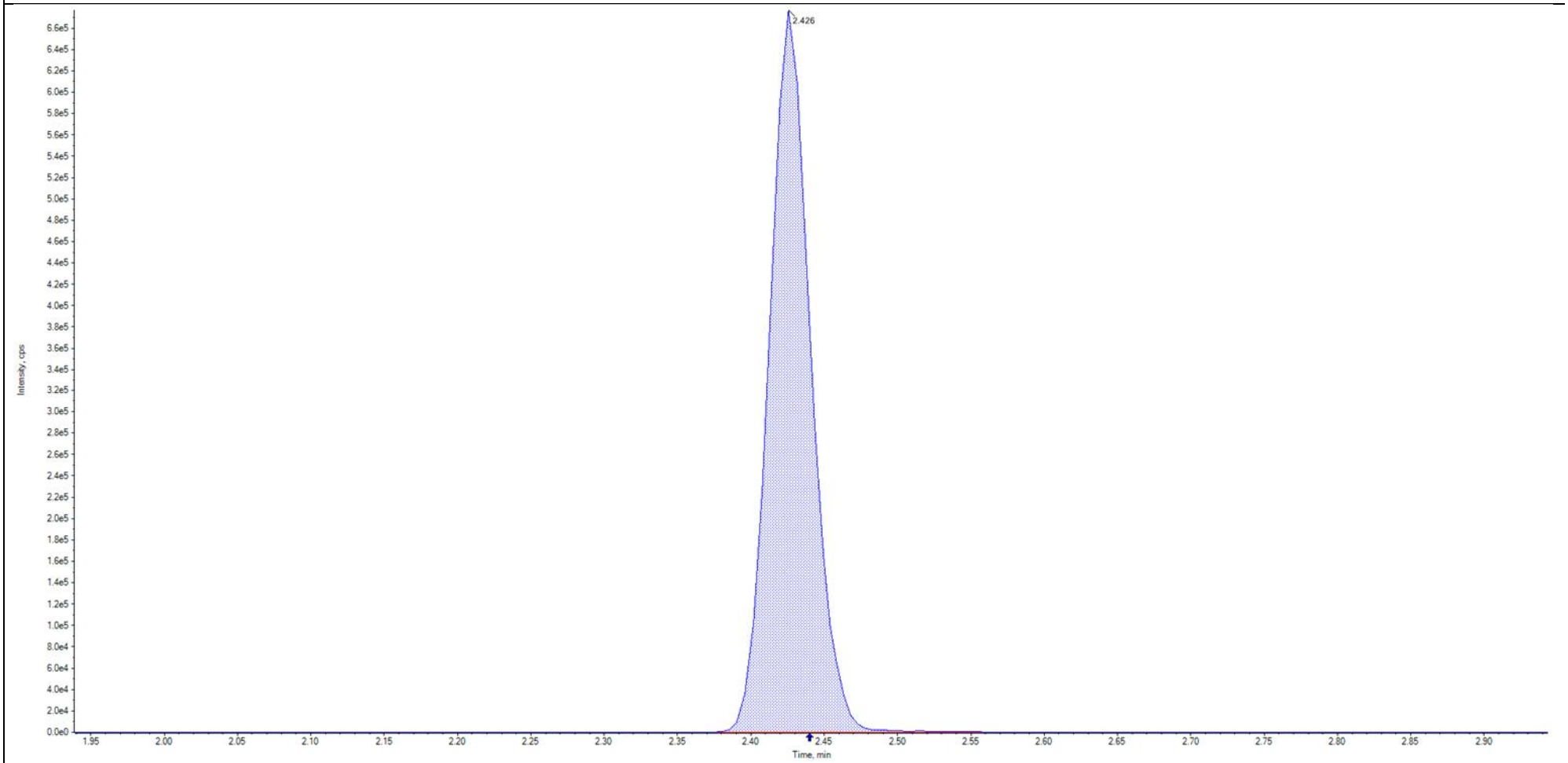

13C3-PFBA
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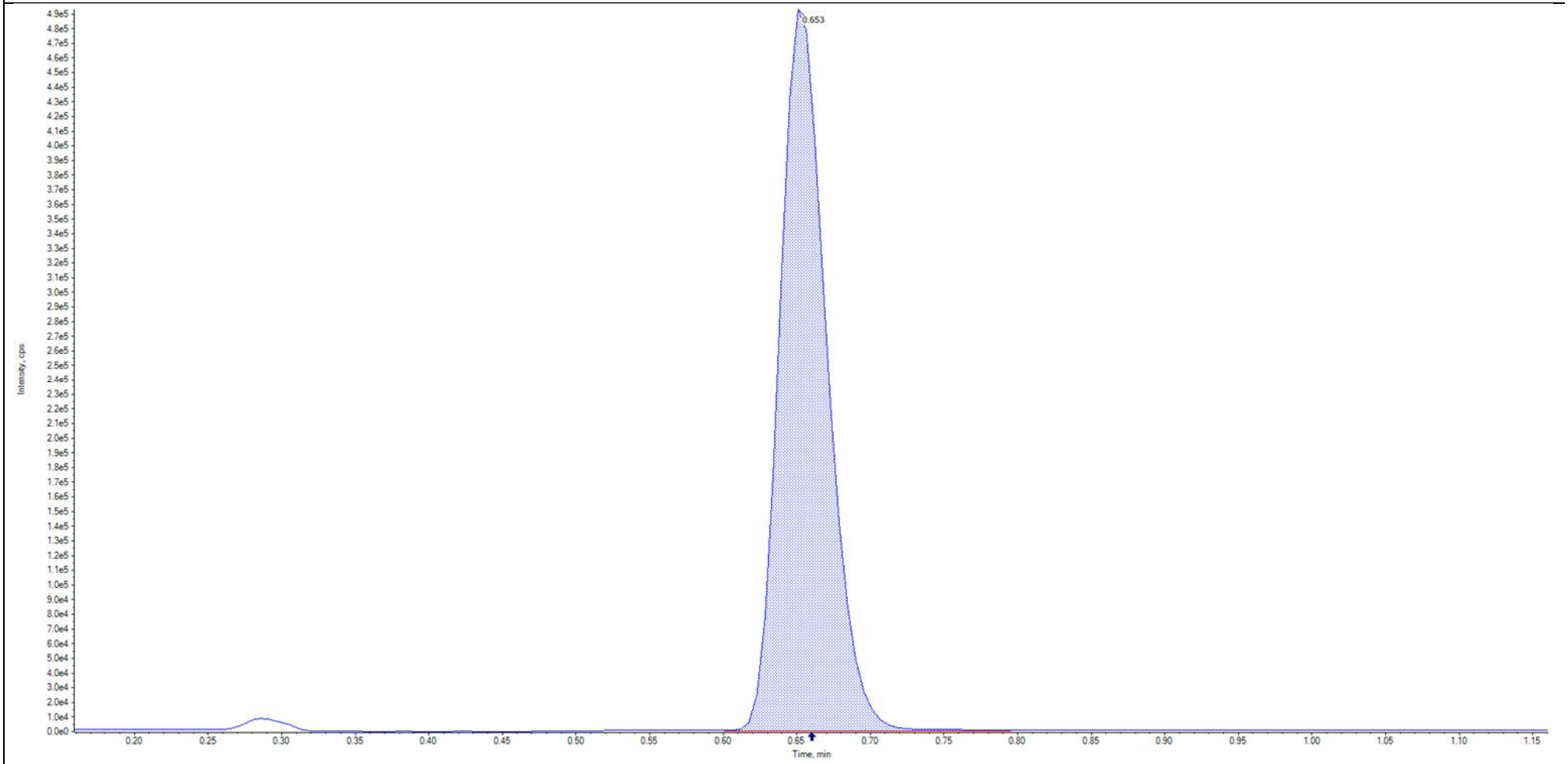

13C2-PFHxA
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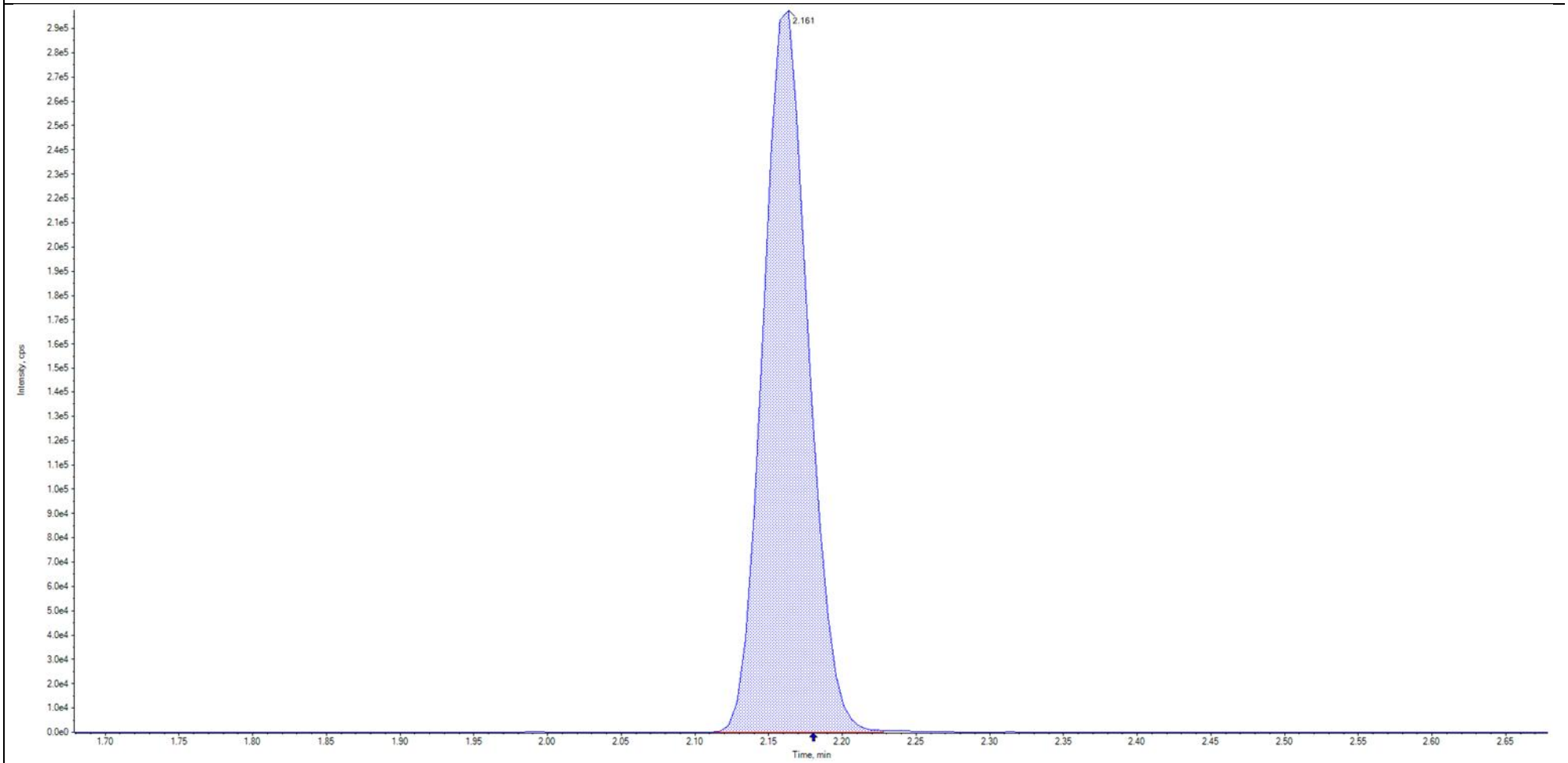

13C4-PFOA
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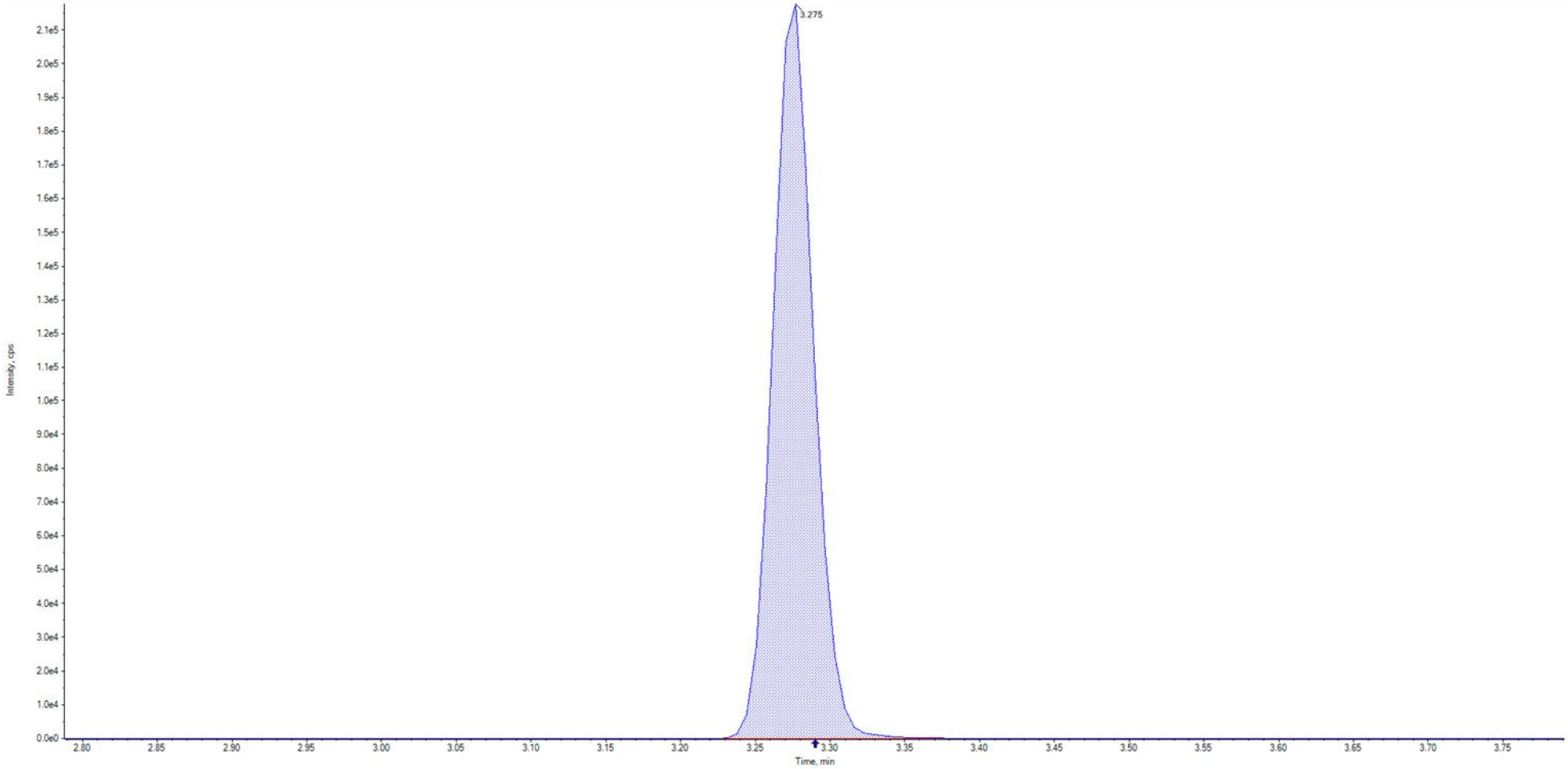
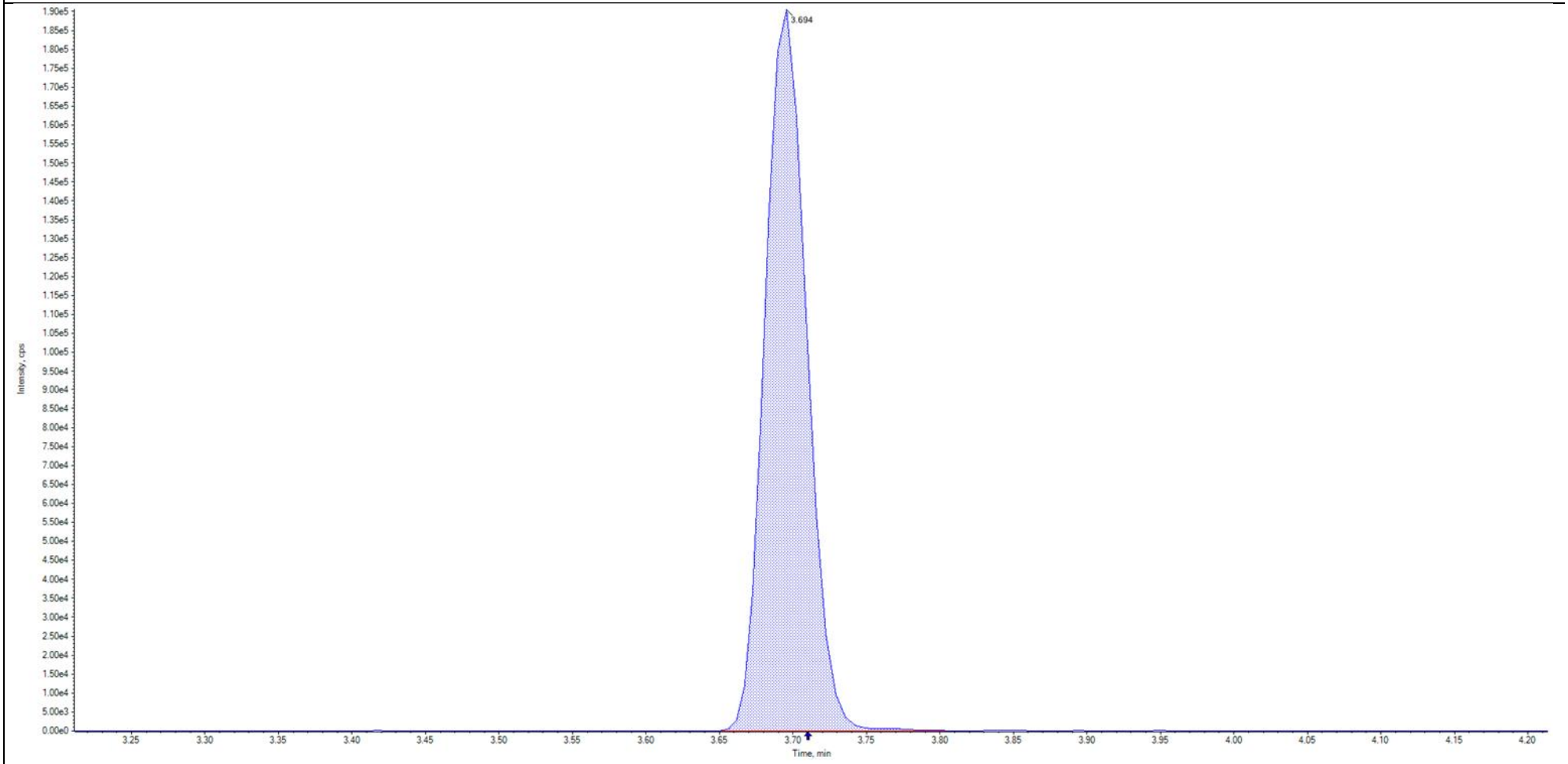


13C5-PFNA
Sample: IA1633STD-0.1



13C2-PFDA
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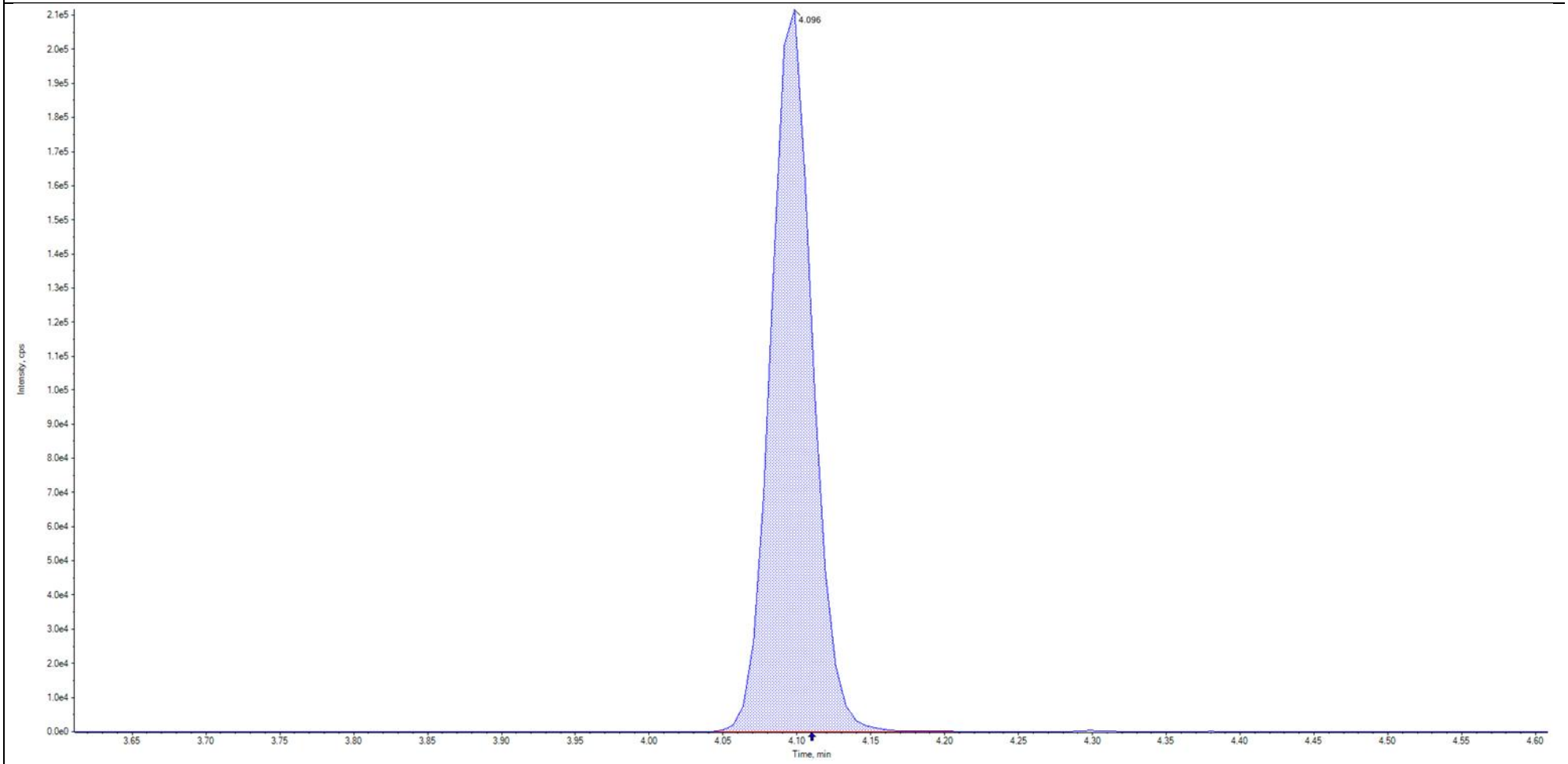
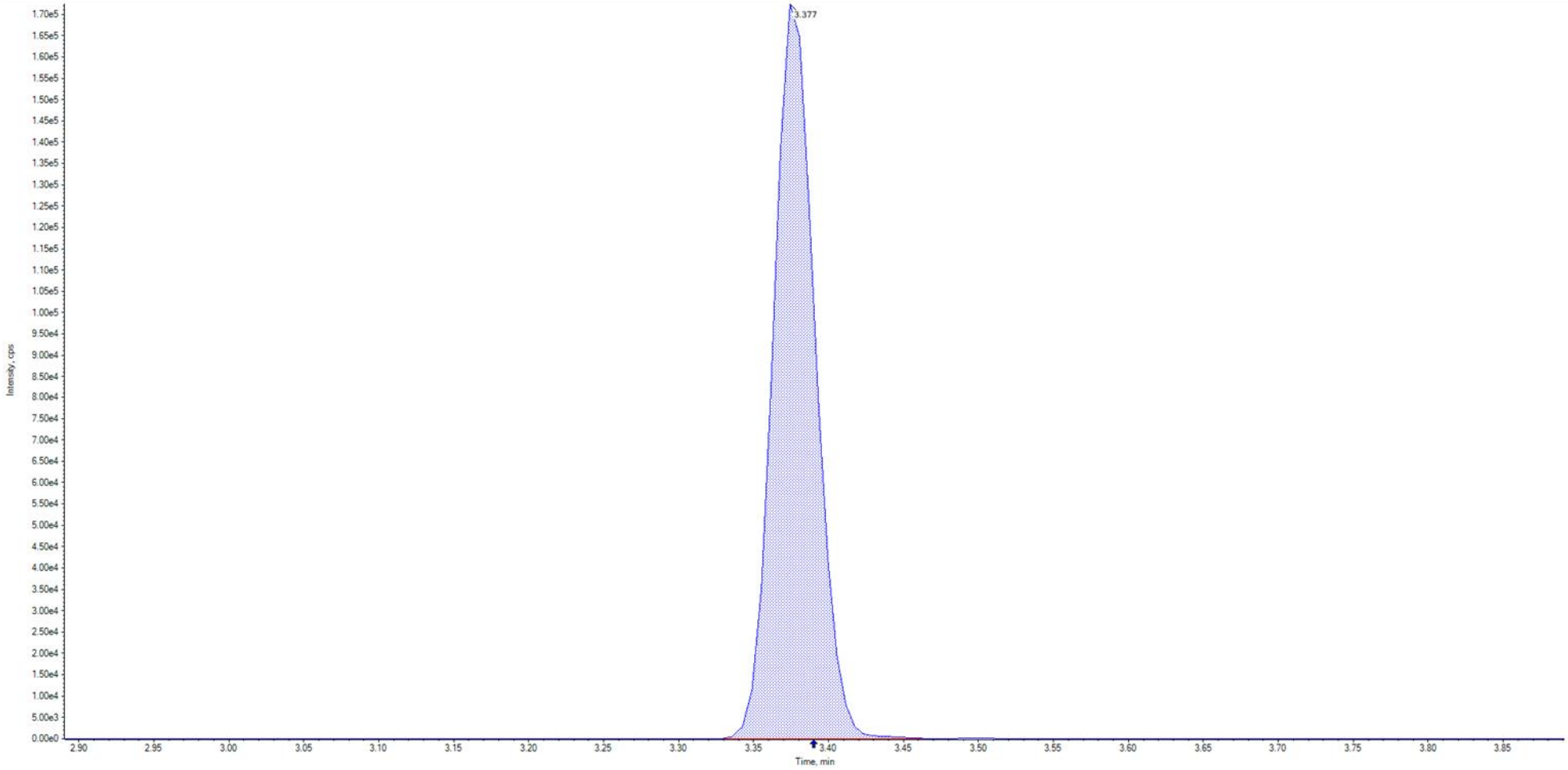
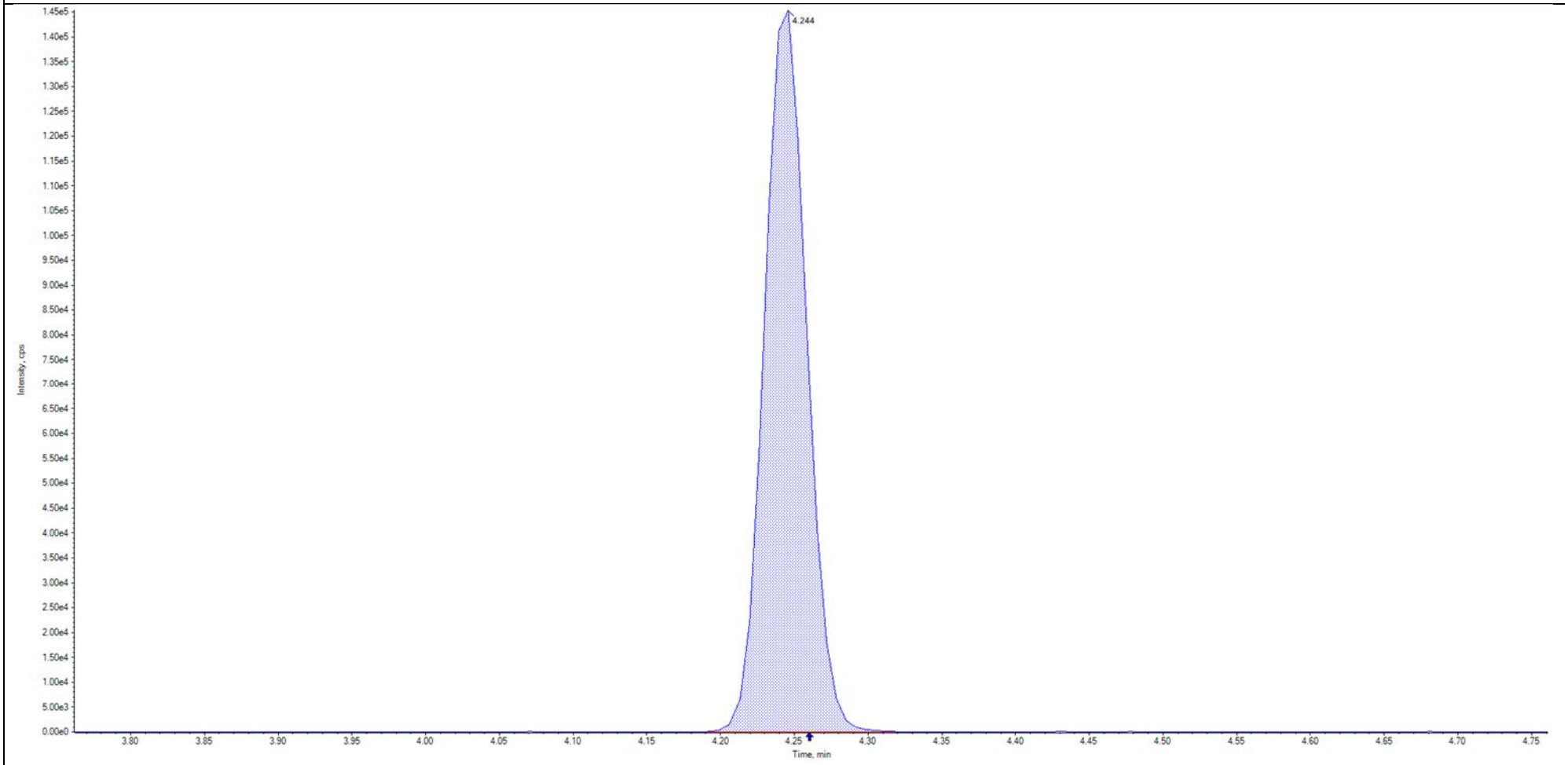


18O2-PFHxS
Sample: IA1633STD-0.1



13C4-PFOS
Sample: IA1633STD-0.1



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Instrument: SCIEX Triple Quad 5500+
User: LCMS05:PNB

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.66	213.0 / 169.0	411660		1.940	N/A	N/A	N/A	97.0
2	PFPeA	2706-90-3	1.34	263.0 / 219.0	191196		0.940	0.007	N/A	N/A	94.0
3	PFPeA_2	2706-90-3	1.35	263.0 / 68.9	1360		0.901	0.007	N/A	N/A	90.1
4	PFHxA	307-24-4	2.17	313.0 / 269.0	151498		0.530	0.073	0.089	Pass	106.0
5	PFHxA_2	307-24-4	2.17	313.0 / 119.0	11095		0.526	0.073	0.089	Pass	105.1
6	PFHpA	375-85-9	2.83	363.1 / 319.0	153379		0.542	0.294	0.332	Pass	108.4
7	PFHpA_2	375-85-9	2.83	363.1 / 169.0	45039		0.496	0.294	0.332	Pass	99.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.29	413.1 / 369.1	149029	M5	0.463	0.377	0.369	Pass	92.5
9	PFOA_2	335-67-1	3.29	413.1 / 169.0	56186	M5	0.472	0.377	0.369	Pass	94.5
10	PFNA	375-95-1	3.70	462.8 / 418.9	144820	M5	0.499	0.295	0.303	Pass	99.8
11	PFNA_2	375-95-1	3.70	462.8 / 219.0	42711	M5	0.493	0.295	0.303	Pass	98.6
12	PFDA	335-76-2	4.11	513.1 / 469.1	141511		0.487	0.176	0.162	Pass	97.5
13	PFDA_2	335-76-2	4.11	513.1 / 219.0	24846		0.518	0.176	0.162	Pass	103.6
14	PFUnA	2058-94-8	4.50	563.1 / 519.1	119080		0.476	0.185	0.199	Pass	95.2
15	PFUnA_2	2058-94-8	4.50	563.1 / 269.0	22025		0.454	0.185	0.199	Pass	90.8
16	PFDoA	307-55-1	4.89	613.1 / 569.1	115030		0.485	0.186	0.180	Pass	97.0
17	PFDoA_2	307-55-1	4.89	613.1 / 319.0	21341		0.487	0.186	0.180	Pass	97.3
18	PFTrDA	72629-94-8	5.27	663.1 / 619.1	114101		0.485	0.162	0.160	Pass	97.1
19	PFTrDA_2	72629-94-8	5.27	663.1 / 169.0	18461		0.488	0.162	0.160	Pass	97.5
20	PFTeDA	376-06-7	5.65	713.1 / 669.1	119839		0.494	0.156	0.149	Pass	98.8
21	PFTeDA_2	376-06-7	5.65	713.1 / 169.0	18661		0.527	0.156	0.149	Pass	105.4
22	PFBS	375-73-5	2.16	299.1 / 80.1	80859		0.412	0.379	0.388	Pass	92.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.16	299.1 / 99.1	30613		0.393	0.379	0.388	Pass	88.4
24	PFPeS	2706-91-4	2.88	349.1 / 80.1	87081		0.456	0.275	0.297	Pass	97.0
25	PFPeS_2	2706-91-4	2.88	349.1 / 99.1	23957		0.432	0.275	0.297	Pass	91.9
26	PFHxS	355-46-4	3.39	399.1 / 80.1	72922	M5	0.423	0.328	0.296	Pass	92.8
27	PFHxS_2	355-46-4	3.39	399.1 / 99.1	23884	M5	0.451	0.328	0.296	Pass	98.9
28	PFHpS	375-92-8	3.83	449.1 / 80.1	69380		0.418	0.284	0.258	Pass	87.7
29	PFHpS_2	375-92-8	3.83	449.1 / 99.1	19712		0.451	0.284	0.258	Pass	94.8
30	PFOS	1763-23-1	4.25	499.1 / 80.1	79997	M5	0.436	0.204	0.233	Pass	94.1
31	PFOS_2	1763-23-1	4.25	499.1 / 99.1	16336	M5	0.399	0.204	0.233	Pass	86.1
32	PFNS	68259-12-1	4.66	549.1 / 80.1	53108		0.440	0.300	0.296	Pass	91.7
33	PFNS_2	68259-12-1	4.66	549.1 / 99.1	15942		0.451	0.300	0.296	Pass	94.0
34	PFDS	335-77-3	5.05	599.1 / 80.1	52126		0.439	0.267	0.272	Pass	91.1
35	PFDS_2	335-77-3	5.05	599.1 / 99.1	13911		0.418	0.267	0.272	Pass	86.8
36	PFDoS	79780-39-5	5.81	699.2 / 80.1	45592		0.419	0.282	0.263	Pass	86.6
37	PFDoS_2	79780-39-5	5.80	699.2 / 99.1	12869		0.451	0.282	0.263	Pass	93.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.93	327.1 / 307.1	112471		1.805	0.551	0.559	Pass	96.5
39	4:2FTS_2	757124-72-4	1.93	327.1 / 81.1	62014		1.763	0.551	0.559	Pass	94.3
40	6:2FTS	27619-97-2	3.11	427.2 / 407.2	82403		1.824	0.681	0.593	Pass	96.0
41	6:2FTS_2	27619-97-2	3.11	427.2 / 81.1	56083		2.000	0.681	0.593	Pass	105.3
42	8:2FTS	39108-34-4	3.92	527.2 / 507.2	54424		2.041	0.781	0.759	Pass	106.3
43	8:2FTS_2	39108-34-4	3.92	527.2 / 81.1	42479		2.146	0.781	0.759	Pass	111.8
44	PFOSA	754-91-6	5.27	498.1 / 78.1	90659	M5	0.458	0.022	0.023	Pass	91.5
45	PFOSA_2	754-91-6	5.27	498.1 / 478.0	2012	M5	0.429	0.022	0.023	Pass	85.8
46	NMeFOSA	31506-32-8	5.98	512.2 / 219.0	19768	M5	0.477	1.421	1.457	Pass	95.4
47	NMeFOSA_2	31506-32-8	5.92	512.2 / 169.0	28083	M5	0.466	1.421	1.457	Pass	93.3
48	NEtFOSA	4151-50-2	6.26	526.2 / 219.0	19702	M5	0.488	1.373	1.309	Pass	97.5
49	NEtFOSA_2	4151-50-2	6.22	526.2 / 169.0	27042	M5	0.510	1.373	1.309	Pass	102.0
50	NMeFOSAA	2355-31-9	4.19	570.2 / 419.1	13977		0.509	0.852	0.804	Pass	101.8
51	NMeFOSAA_2	2355-31-9	4.19	570.2 / 483.0	11903	M5	0.568	0.852	0.804	Pass	113.6
52	NEtFOSAA	2991-50-6	4.39	584.2 / 419.1	18547	M5	0.435	0.528	0.419	Pass	87.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.39	584.2 / 526.2	9788	M5	0.521	0.528	0.419	Pass	104.2
54	NMeFOSE	24448-09-7	5.85	616.1 / 58.9	562629	M5	4.736	N/A	N/A	N/A	94.7
55	NEtFOSE	1691-99-2	6.14	630.0 / 58.9	944973	M5	4.759	N/A	N/A	N/A	95.2
56	HFPO-DA	13252-13-6	2.43	285.0 / 169.0	239615		2.022	0.681	0.685	Pass	101.1
57	HFPO-DA_2	13252-13-6	2.43	285.0 / 184.9	163128		2.103	0.681	0.685	Pass	105.2
58	ADONA	919005-14-4	3.00	376.9 / 251.0	398331		1.633	1.279	0.884	Pass	86.4
59	ADONA_2	919005-14-4	3.00	376.9 / 84.8	509559		2.077	1.279	0.884	Pass	109.9
60	9Cl-PF3ONS	756426-58-1	4.53	530.8 / 351.1	767235		1.941	0.322	0.325	Pass	103.8
61	9Cl-PF3ONS_2	756426-58-1	4.53	532.8 / 353.0	246730		1.914	0.322	0.325	Pass	102.3
62	11Cl-PF3OUdS	763051-92-9	5.32	630.9 / 451.0	488987		1.880	0.342	0.338	Pass	99.5
63	11Cl-PF3OUdS_2	763051-92-9	5.32	632.9 / 452.9	167246		1.833	0.342	0.338	Pass	97.0
64	3:3FTCA	356-02-5	1.71	241.1 / 177.1	28758		2.498	1.320	1.433	Pass	99.9
65	3:3FTCA_2	356-02-5	1.71	241.1 / 117.0	37953		2.143	1.320	1.433	Pass	85.7
66	5:3FTCA	914637-49-3	3.23	341.1 / 237.1	915404		13.552	0.895	0.935	Pass	108.4
67	5:3FTCA_2	914637-49-3	3.23	341.1 / 217.0	819111		13.102	0.895	0.935	Pass	104.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.18	441.1 / 316.9	456192		11.497	1.925	1.712	Pass	92.0
69	7:3FTCA_2	812-70-4	4.18	441.1 / 337.1	878260		12.684	1.925	1.712	Pass	101.5
70	PFEESA	113507-82-7	2.53	315.1 / 135.0	492087		0.873	0.089	0.084	Pass	97.9
71	PFEESA_2	113507-82-7	2.53	315.1 / 82.9	43693		0.910	0.089	0.084	Pass	102.0
72	PFMPA	377-73-1	0.84	229.0 / 85.0	251731		0.885	N/A	N/A	N/A	88.6
73	PFMBA	863090-89-5	1.64	279.0 / 85.0	279943		0.951	N/A	N/A	N/A	95.1
74	NFDHA	151772-58-6	2.08	295.0 / 201.0	99719		1.024	0.744	0.781	Pass	102.4
75	NFDHA_2	151772-58-6	2.08	295.0 / 84.9	74212		0.992	0.744	0.781	Pass	99.2
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.150	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.150	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.92	333.2 / 312.1	175674		4.841	N/A	N/A	N/A	96.8
79	13C2-PFOA	Surr	3.28	415.0 / 370.0	352494		2.475	N/A	N/A	N/A	99.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.65	217.0 / 172.0	2515912		9.898	NA	NA	NA	99.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.34	268.0 / 223.0	1174598		5.308	NA	NA	NA	106.2
	13C5-PFHxA	EIS	2.16	318.0 / 273.0	466471		2.453	NA	NA	NA	98.1
	13C4-PFHpA	EIS	2.82	367.0 / 322.0	297183		2.276	NA	NA	NA	91.0
	13C8-PFOA	EIS	3.28	420.8 / 376.0	1107223		2.722	NA	NA	NA	108.9
	13C9-PFNA	EIS	3.70	472.0 / 427.0	428532		1.263	NA	NA	NA	101.0
	13C6-PFDA	EIS	4.10	519.0 / 474.0	443656		1.294	NA	NA	NA	103.5
	13C7-PFUnA	EIS	4.49	570.0 / 525.0	405842		1.371	NA	NA	NA	109.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.89	615.1 / 570.0	310535		1.259	NA	NA	NA	100.7
	13C2-PFTeDA	EIS	5.64	715.1 / 670.1	270867		1.227	NA	NA	NA	98.1
	13C3-PFBS	EIS	2.15	302.1 / 80.1	477587		2.492	NA	NA	NA	107.0
	13C3-PFHxS	EIS	3.38	402.1 / 80.1	409126		2.464	NA	NA	NA	103.9
	13C8-PFOS	EIS	4.25	507.1 / 80.1	442474		2.501	NA	NA	NA	104.2
	13C2-4:2FTS	EIS	1.92	329.1 / 81.1	159249		5.009	NA	NA	NA	106.8
	13C2-6:2FTS	EIS	3.11	429.2 / 81.1	136897		4.659	NA	NA	NA	97.9
	13C2-8:2FTS	EIS	3.92	529.2 / 81.1	115848		4.388	NA	NA	NA	91.4

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.27	506.1 / 78.1	717963		2.545	NA	NA	NA	101.8
d3-NMeFOSA	EIS	5.97	515.2 / 219.0	100837		2.431	NA	NA	NA	97.2
d5-NEtFOSA	EIS	6.25	531.2 / 219.0	93554		2.420	NA	NA	NA	96.8
d3-NMeFOSAA	EIS	4.19	573.2 / 419.1	187299		4.290	NA	NA	NA	85.8
d5-NEtFOSAA	EIS	4.38	589.3 / 419.1	220848		5.259	NA	NA	NA	105.2
d7-NMeFOSE	EIS	5.83	623.2 / 58.9	1149731		23.446	NA	NA	NA	93.8
d9-NEtFOSE	EIS	6.11	639.2 / 58.9	1733217		24.392	NA	NA	NA	97.6

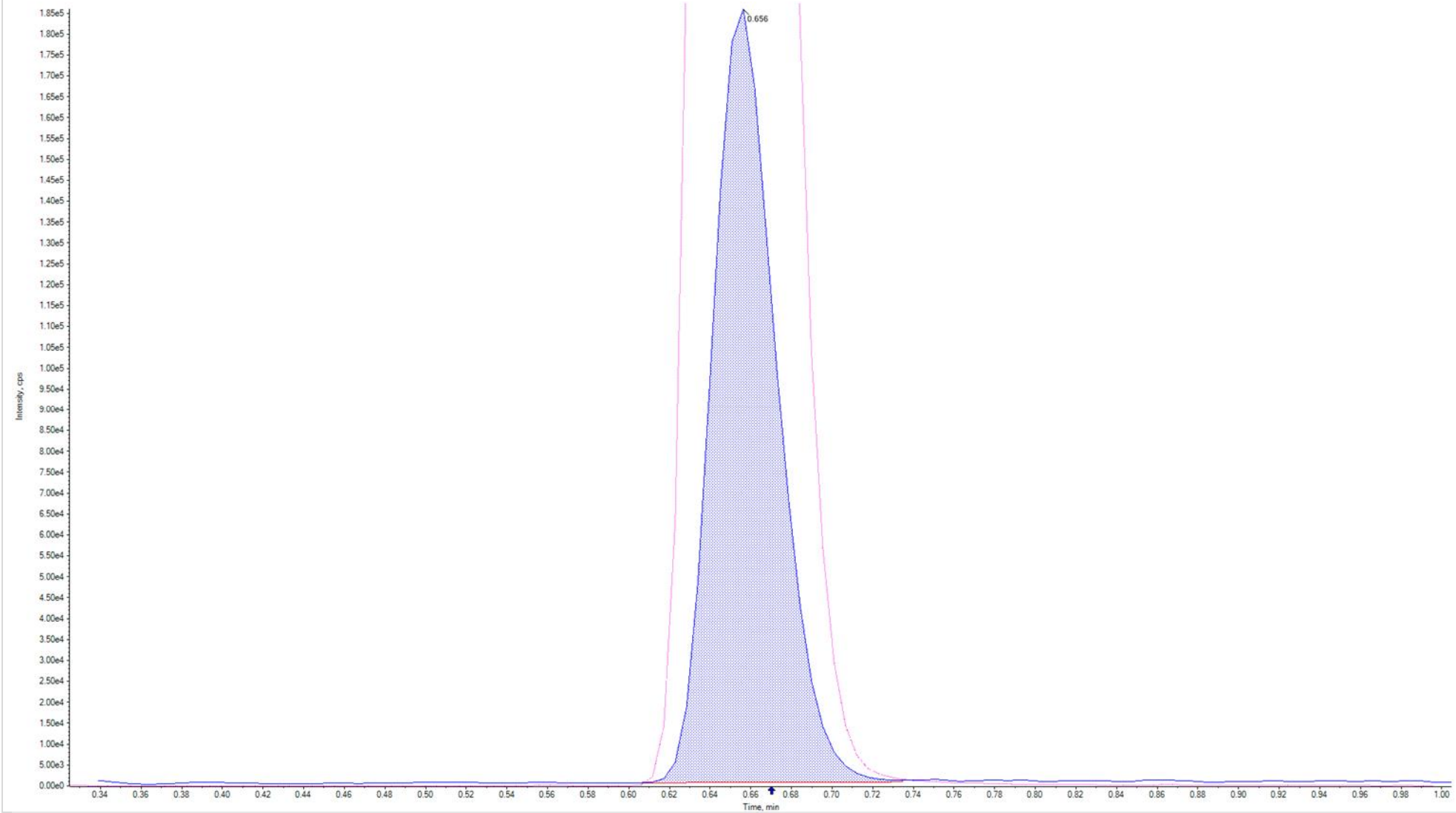
	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.43	287.0 / 169.0	1282835		9.257	NA	NA	NA	92.6
	13C3-PFBA	NIS	0.65	216.0 / 172.0	1130681		5.715	NA	NA	NA	114.3
	13C2-PFHxA	NIS	2.16	315.0 / 270.0	664949		2.529	NA	NA	NA	101.2
	13C4-PFOA	NIS	3.28	417.0 / 372.0	400549		2.312	NA	NA	NA	92.5
	13C5-PFNA	NIS	3.70	468.0 / 423.0	382812		1.230	NA	NA	NA	98.4
	13C2-PFDA	NIS	4.10	515.1 / 470.1	398820		1.259	NA	NA	NA	100.7
	18O2-PFHxS	NIS	3.38	403.1 / 84.1	336403		2.380	NA	NA	NA	100.4
	13C4-PFOS	NIS	4.25	503.1 / 80.1	307278		2.482	NA	NA	NA	103.4

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

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

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFBA
Sample: IA1633STD-0.5 S/N:900.8 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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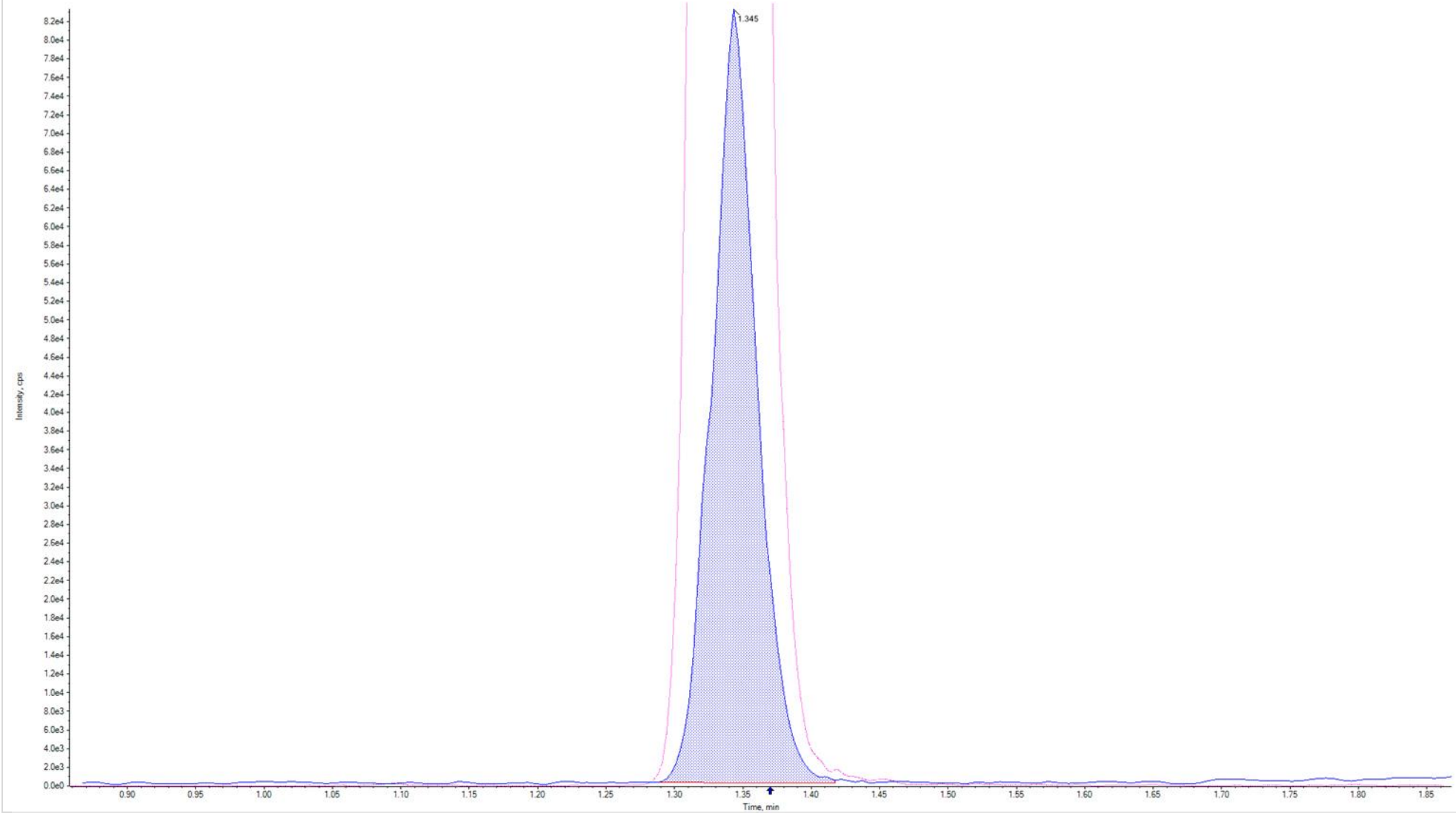
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFPeA
Sample: IA1633STD-0.5 S/N:2081.5 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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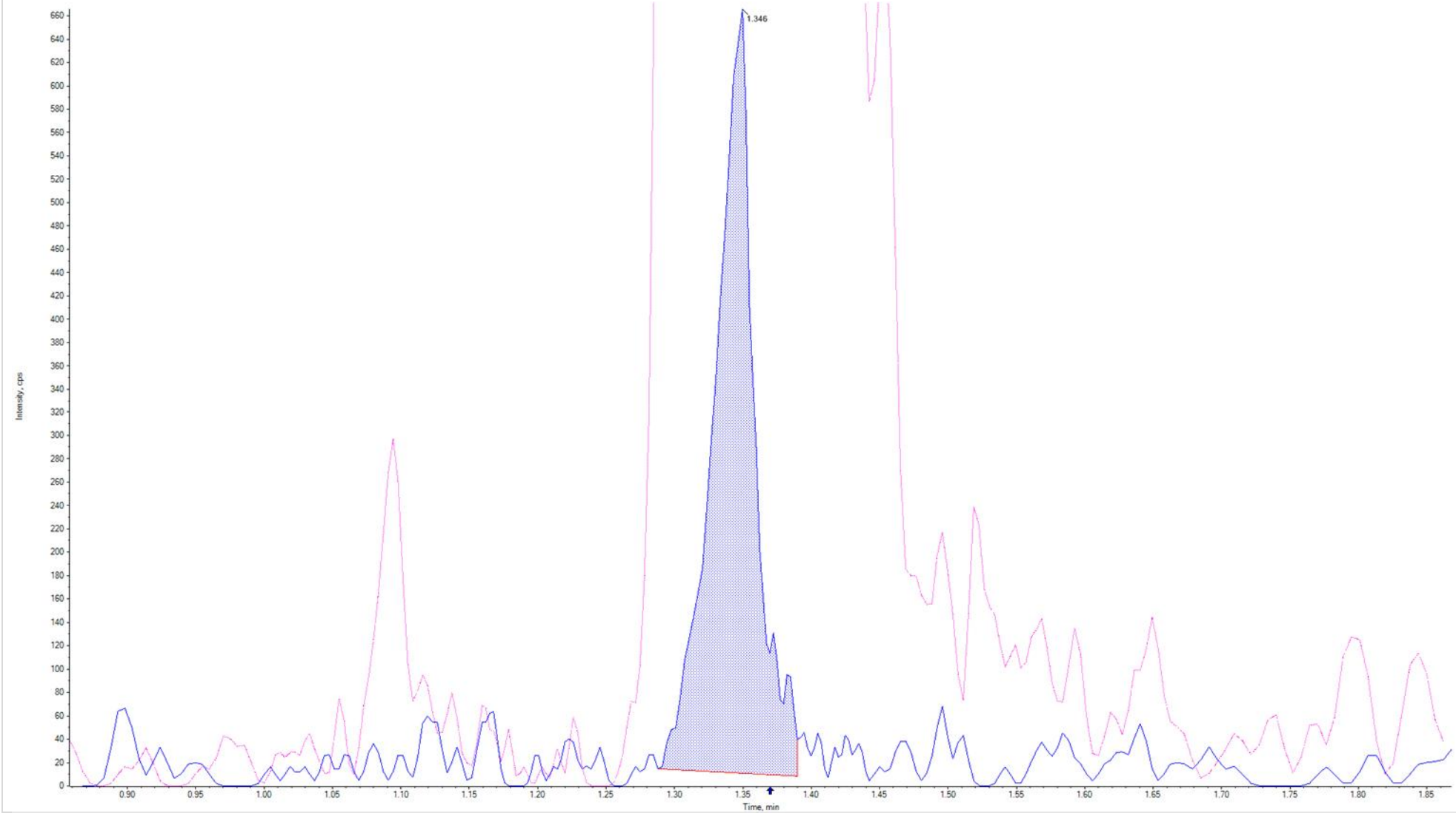
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFPeA_2
Sample: IA1633STD-0.5 S/N:39.4 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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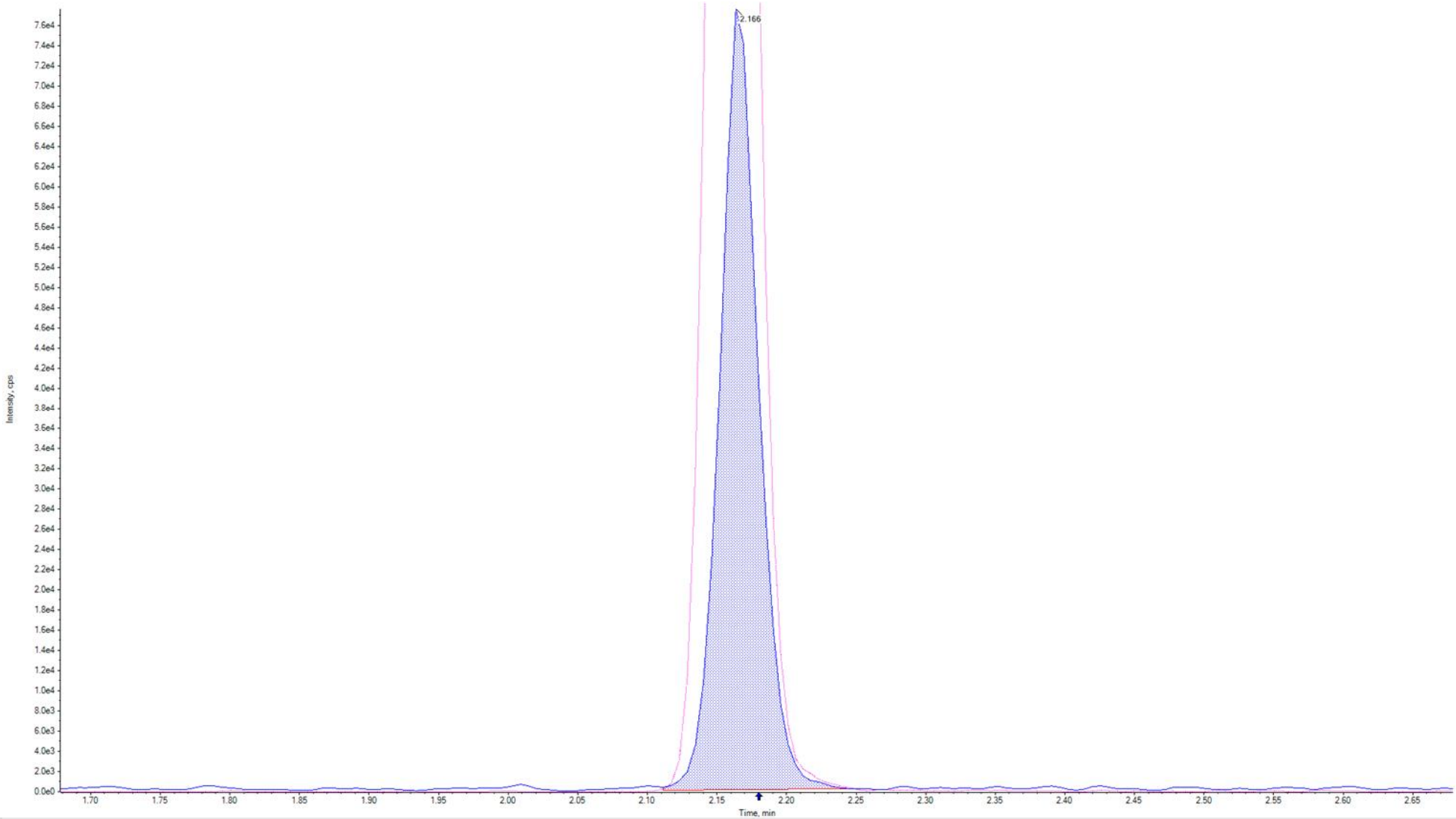
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFHxA
Sample: IA1633STD-0.5 S/N:1754.2 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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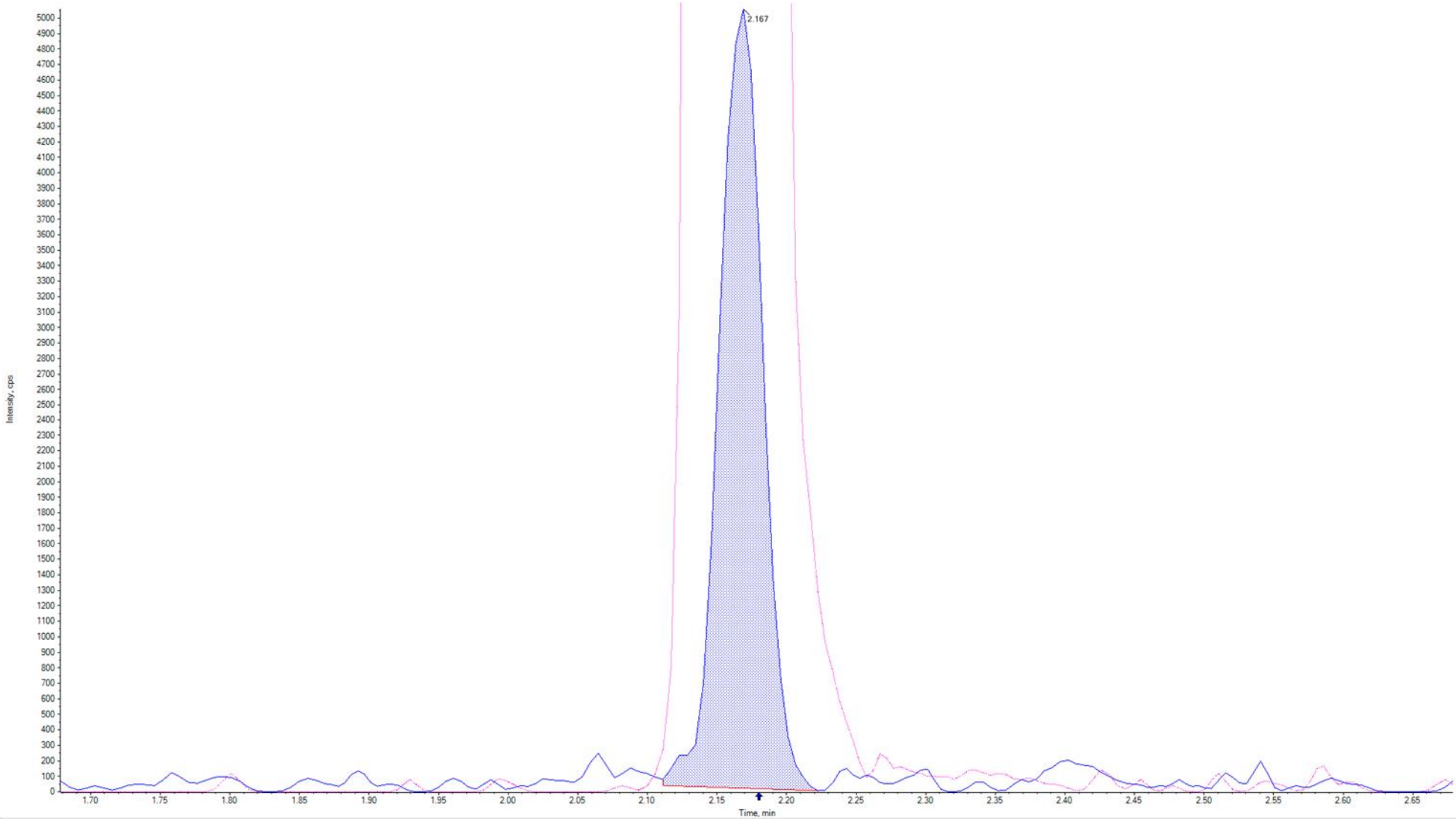
Generated: 11/15/2024 2:54:34 PM

PFHxA_2
Sample: IA1633STD-0.5 S/N:126.2 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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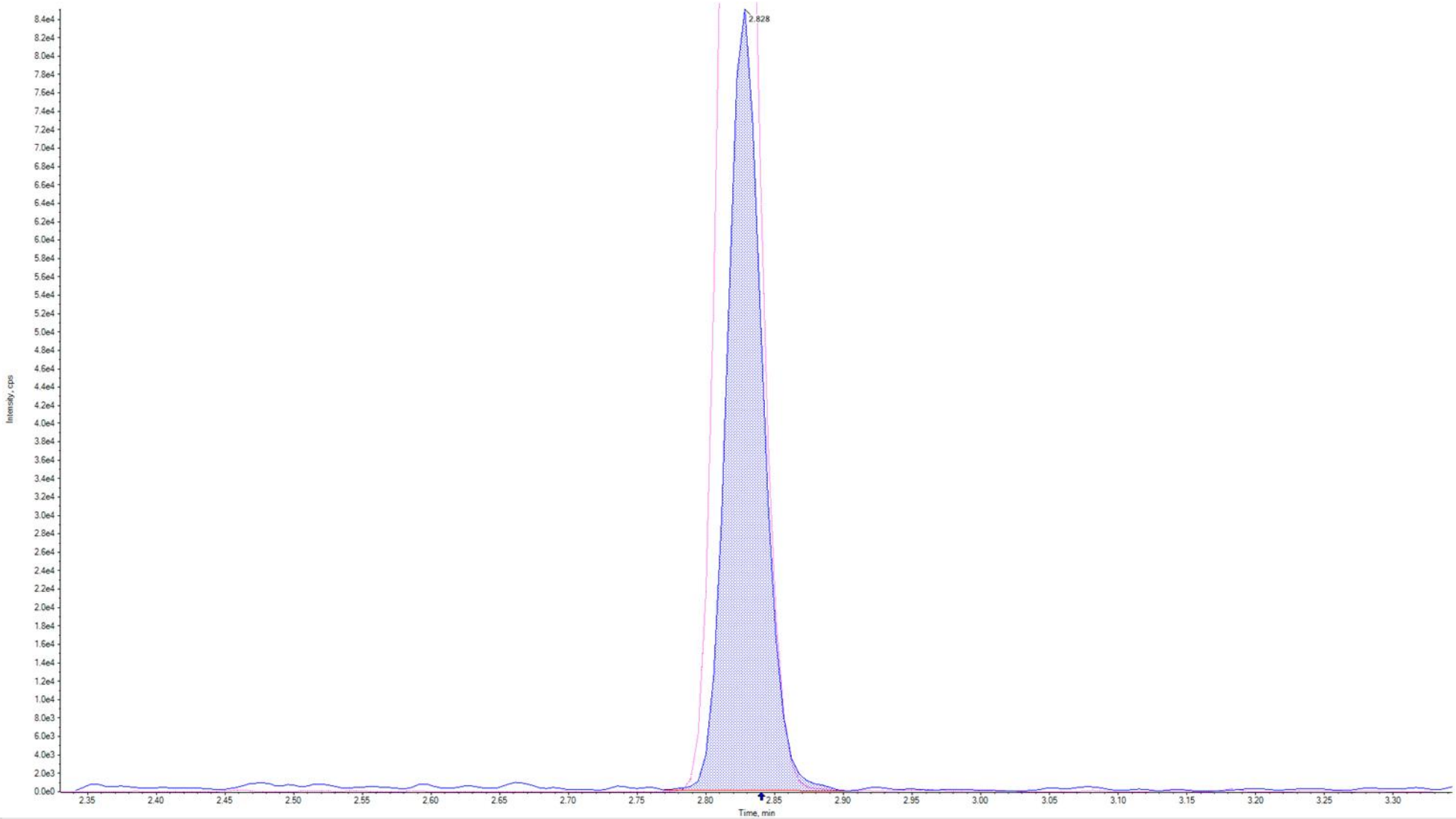
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFHpA
Sample: IA1633STD-0.5 S/N:1416.3 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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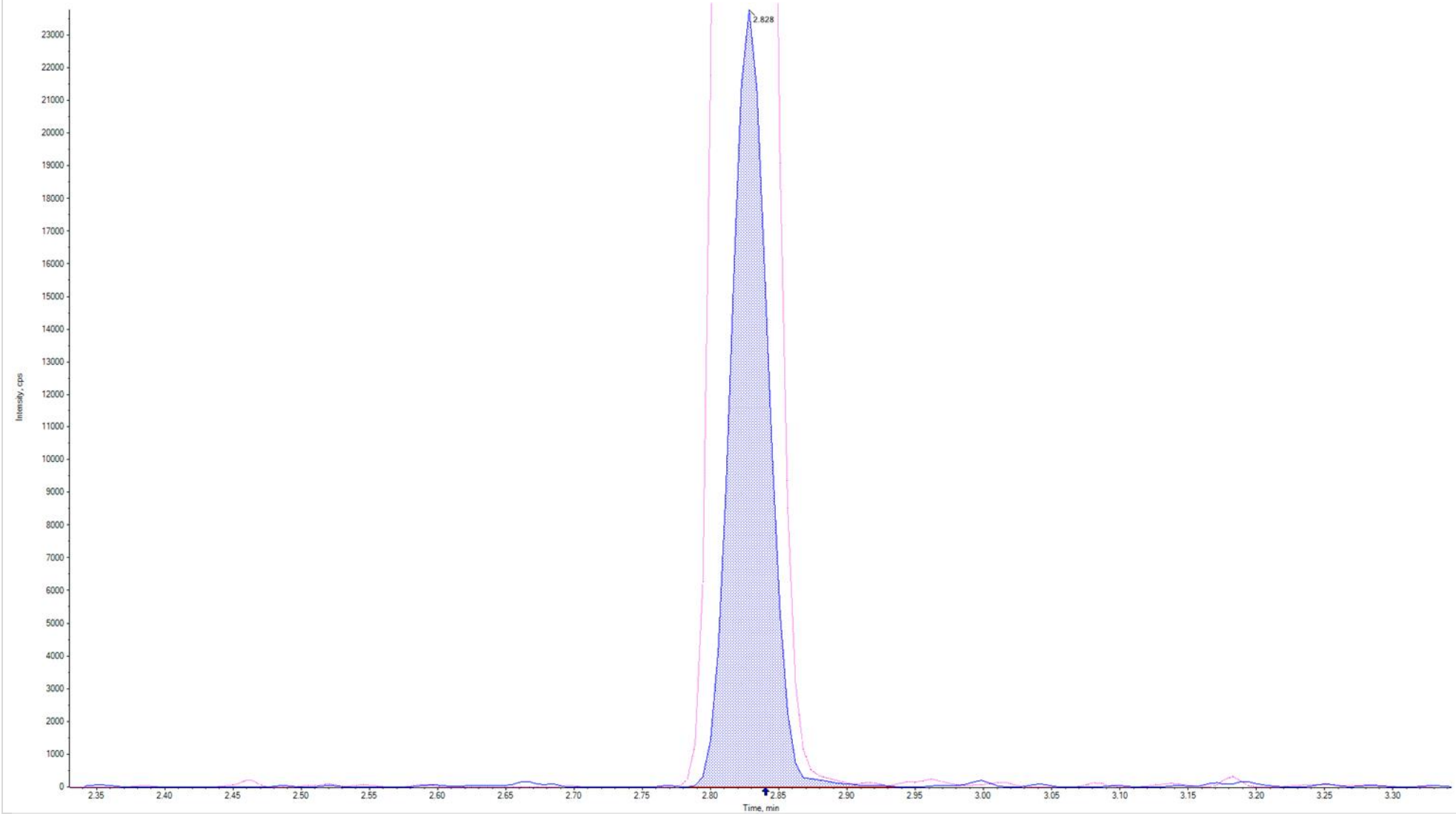
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFHpA_2
Sample: IA1633STD-0.5 S/N:476.5 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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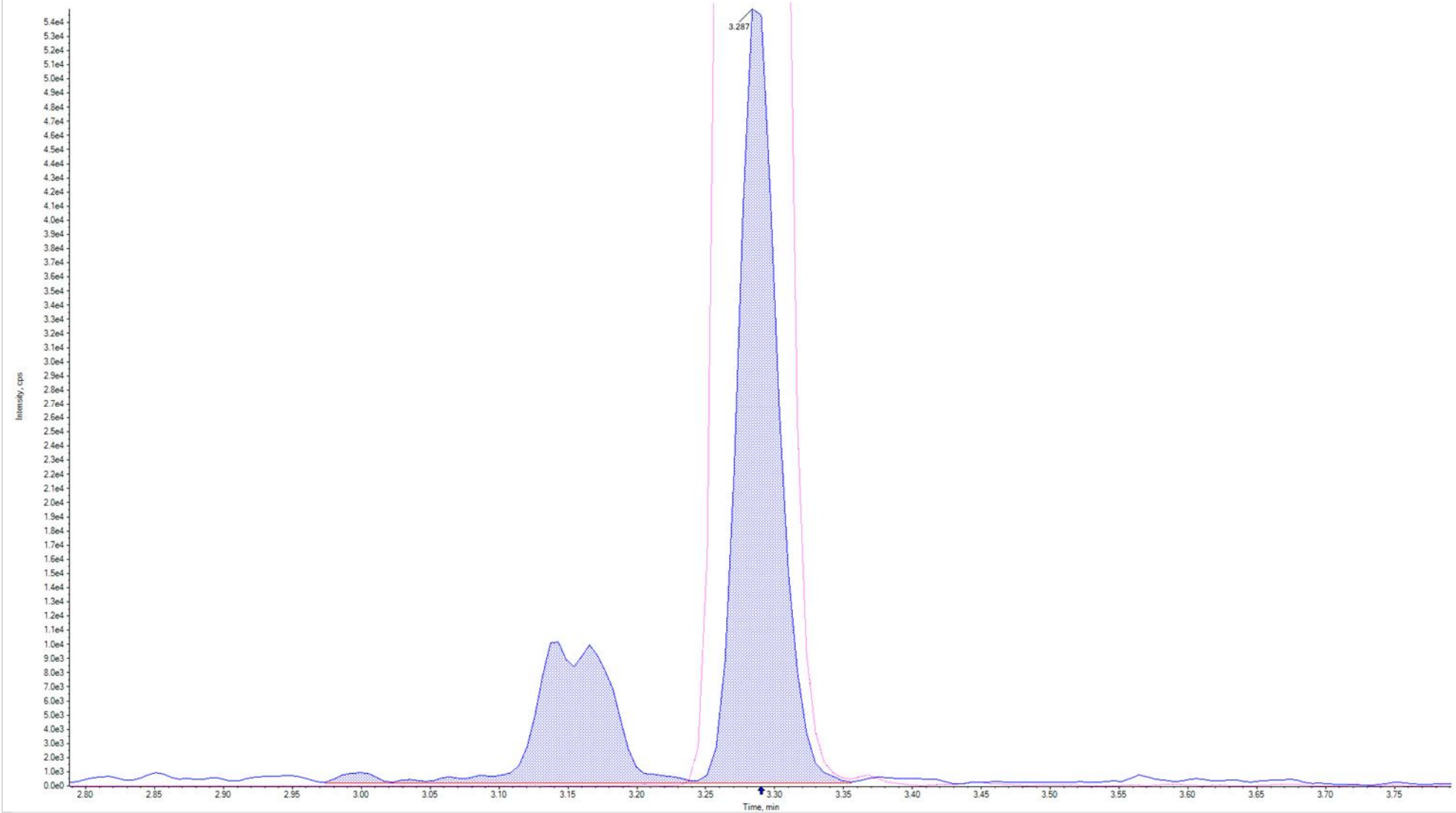
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOA
Sample: IA1633STD-0.5 S/N:291.5 Points Across peak:66



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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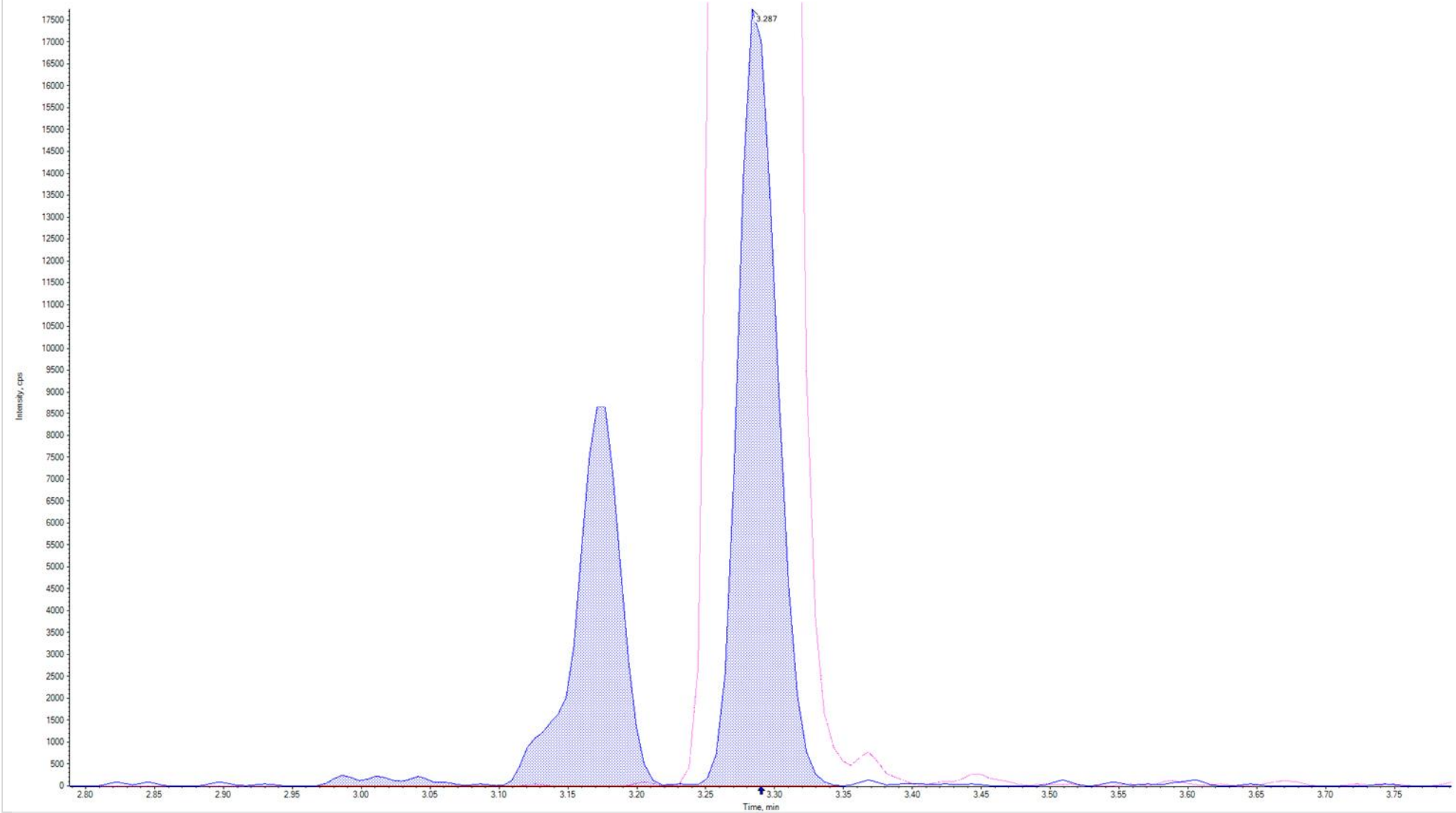
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOA_2
Sample: IA1633STD-0.5 S/N:298.7 Points Across peak:66



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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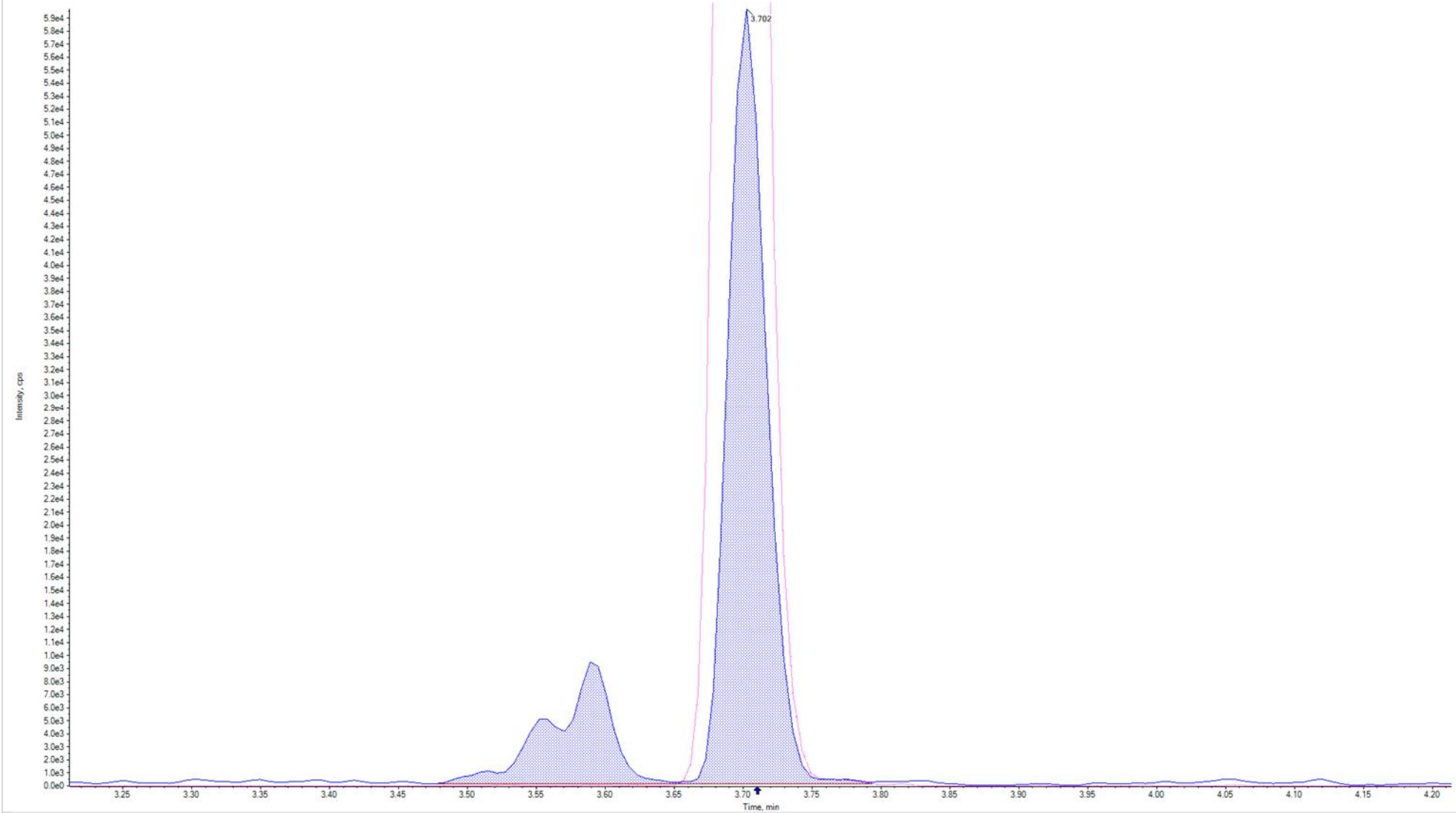
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFNA
Sample: IA1633STD-0.5 S/N:322.1 Points Across peak:53



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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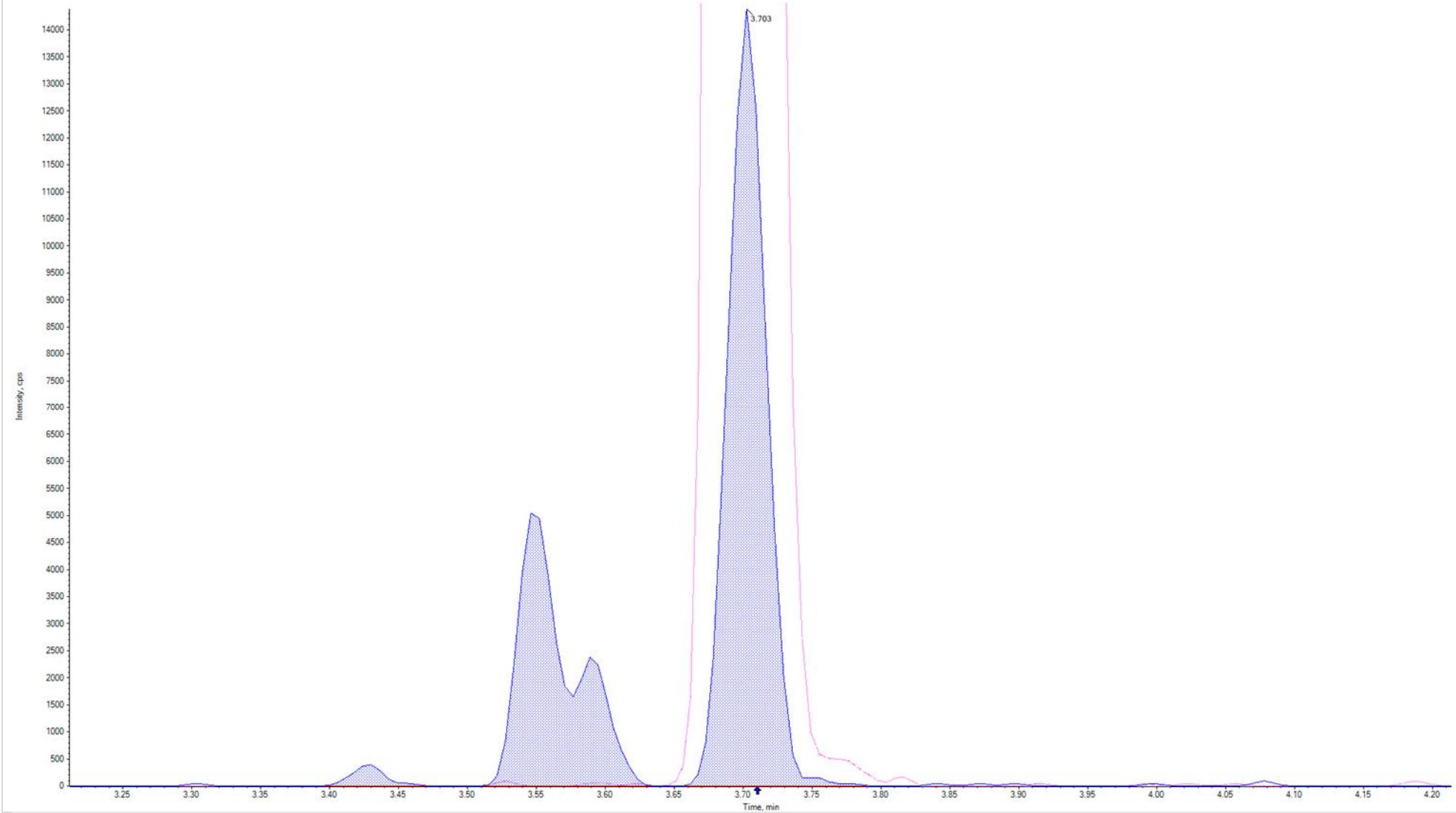
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFNA_2
Sample: IA1633STD-0.5 S/N:324.5 Points Across peak:65



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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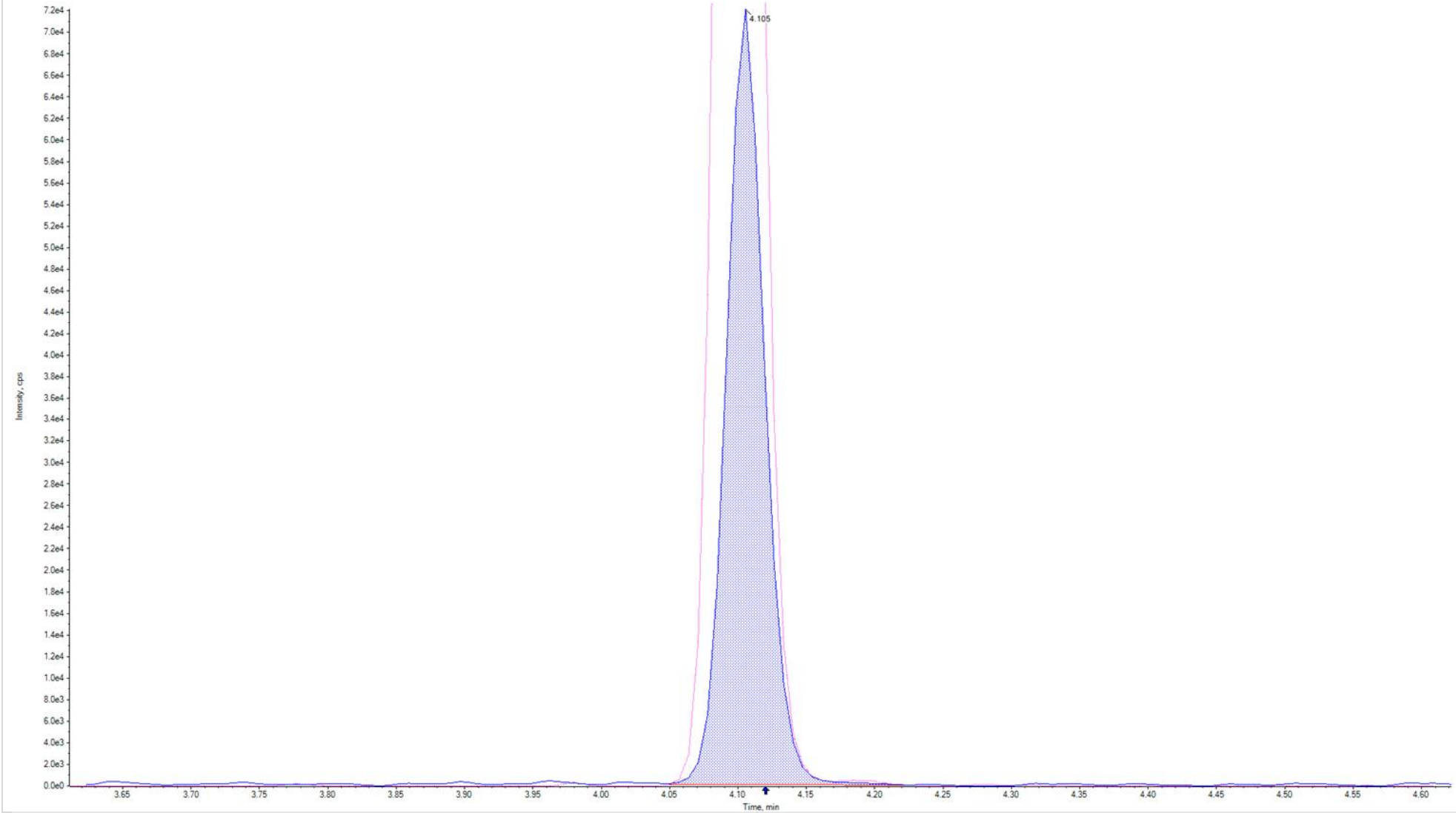
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDA
Sample: IA1633STD-0.5 S/N:1444.5 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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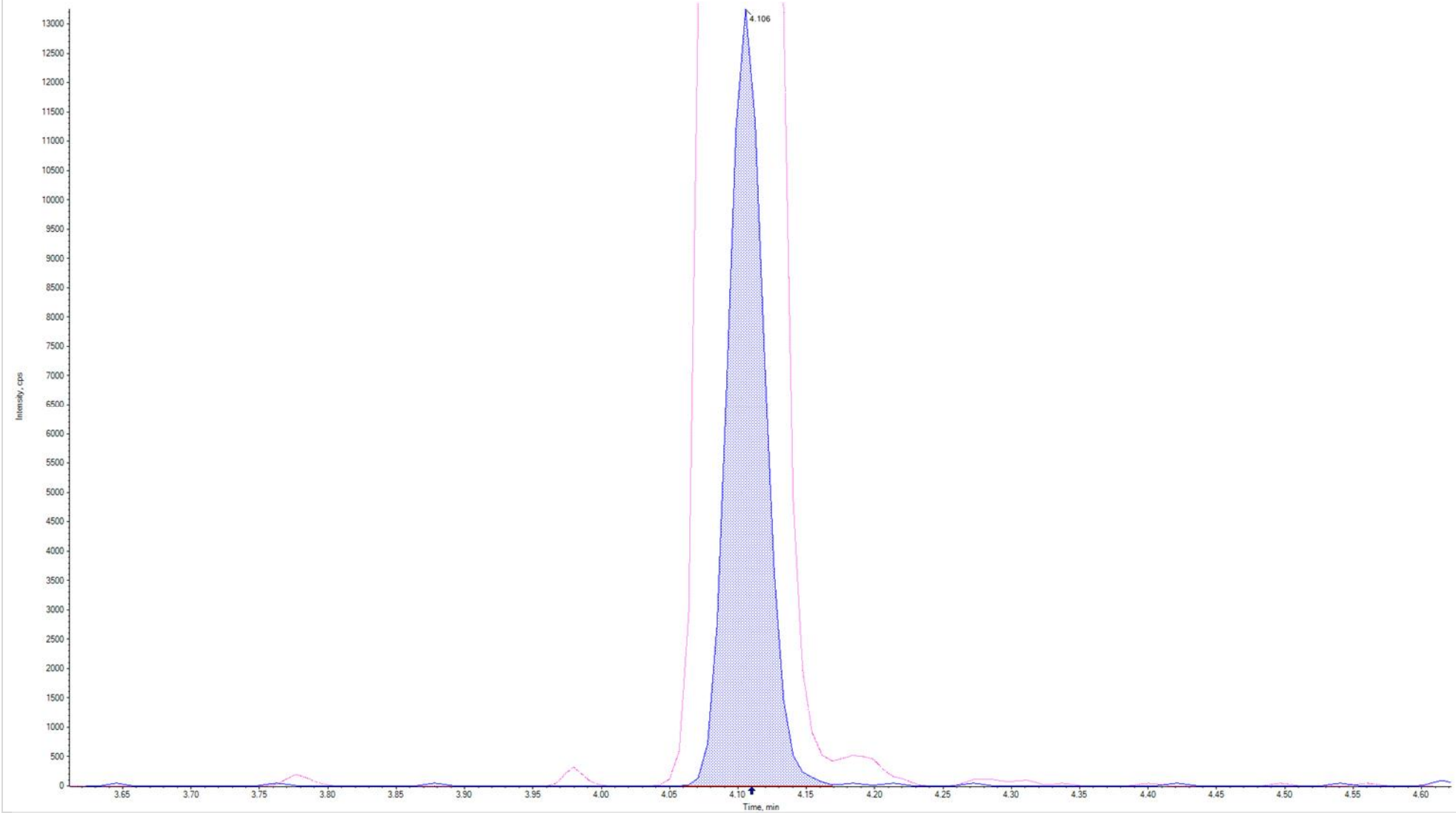
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDA_2
Sample: IA1633STD-0.5 S/N:265.8 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:19:49 PM
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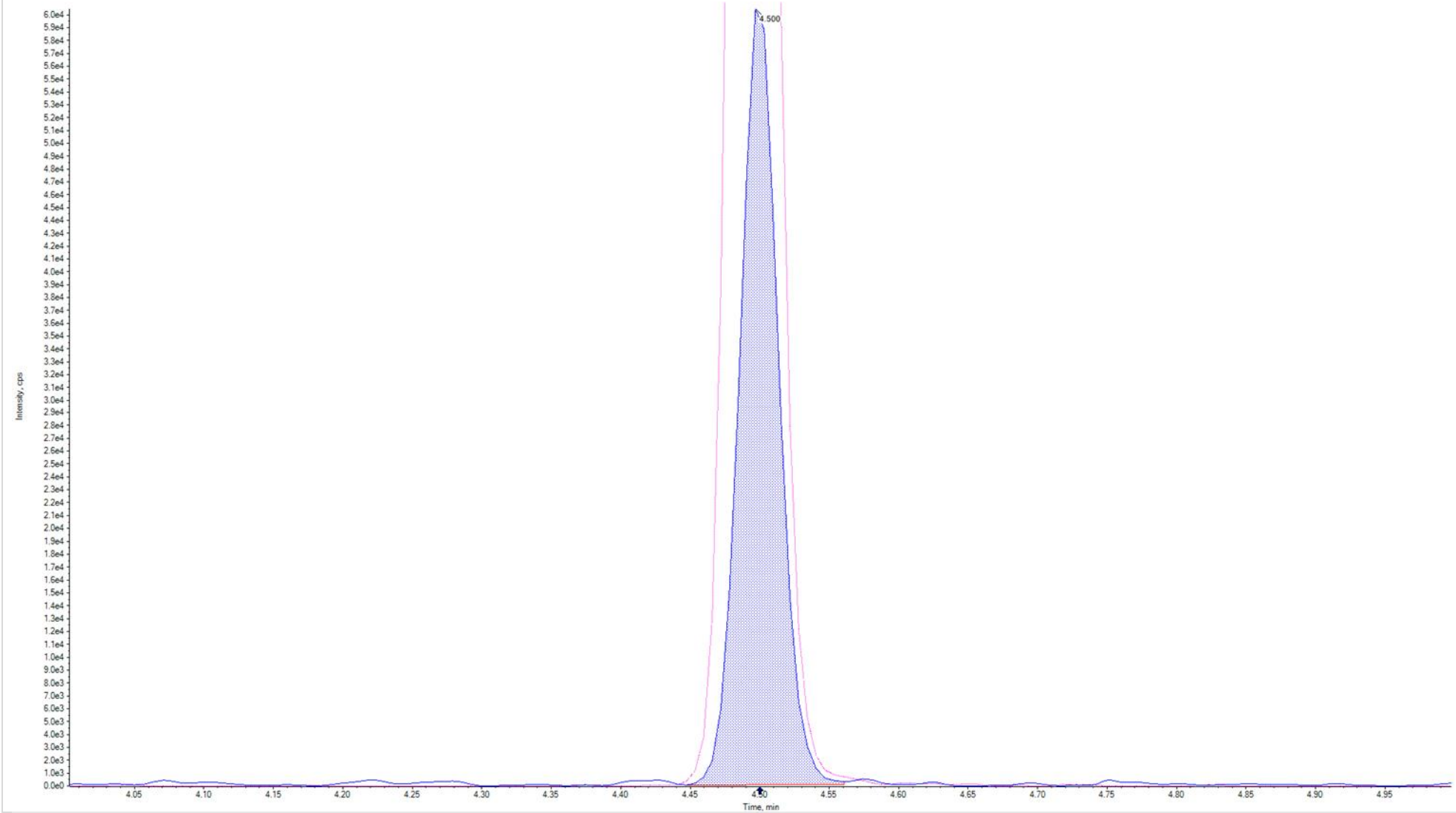
PFUnA
Sample: IA1633STD-0.5 S/N:1361.4 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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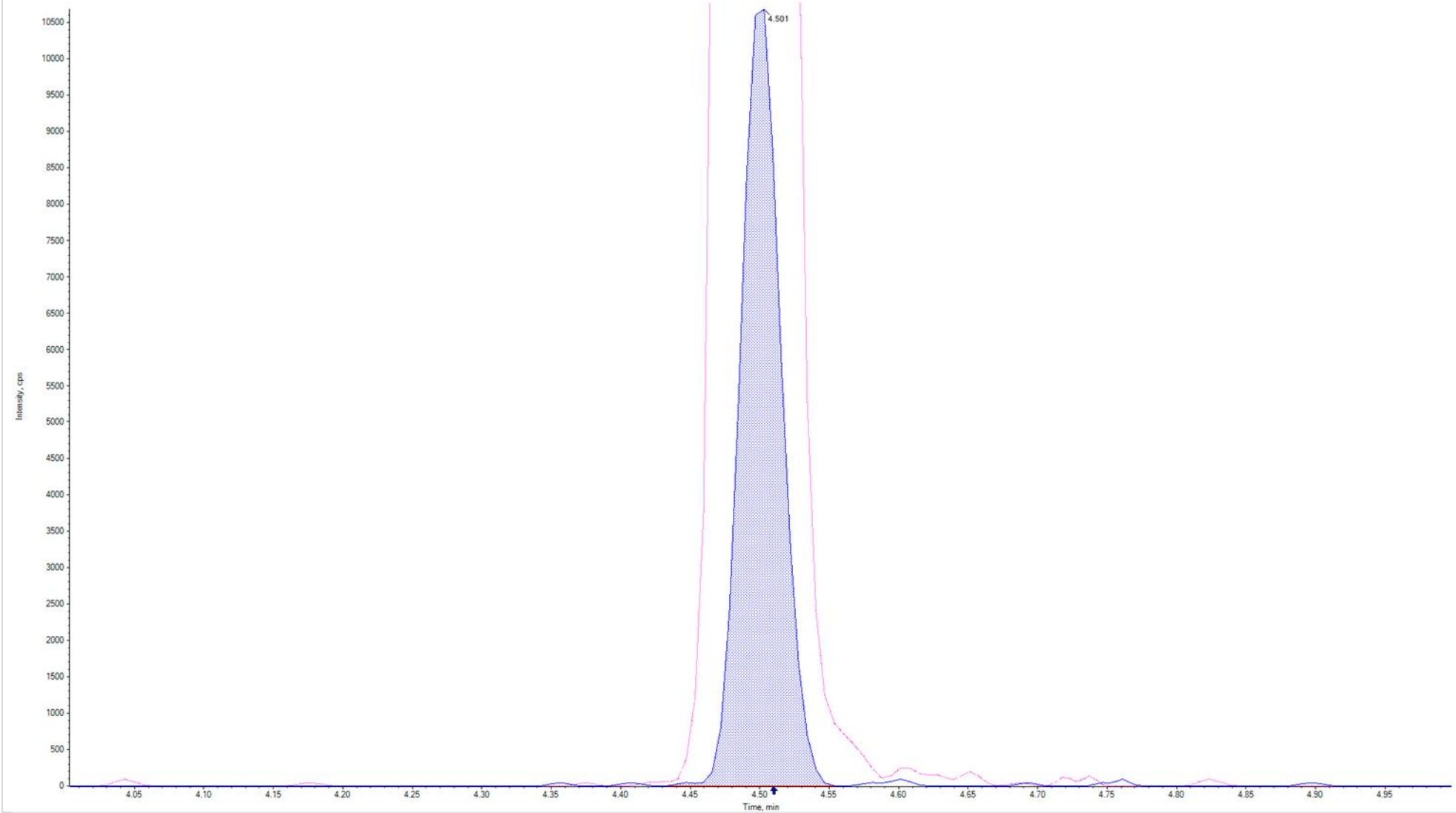
PFUnA_2
Sample: IA1633STD-0.5 S/N:241.0 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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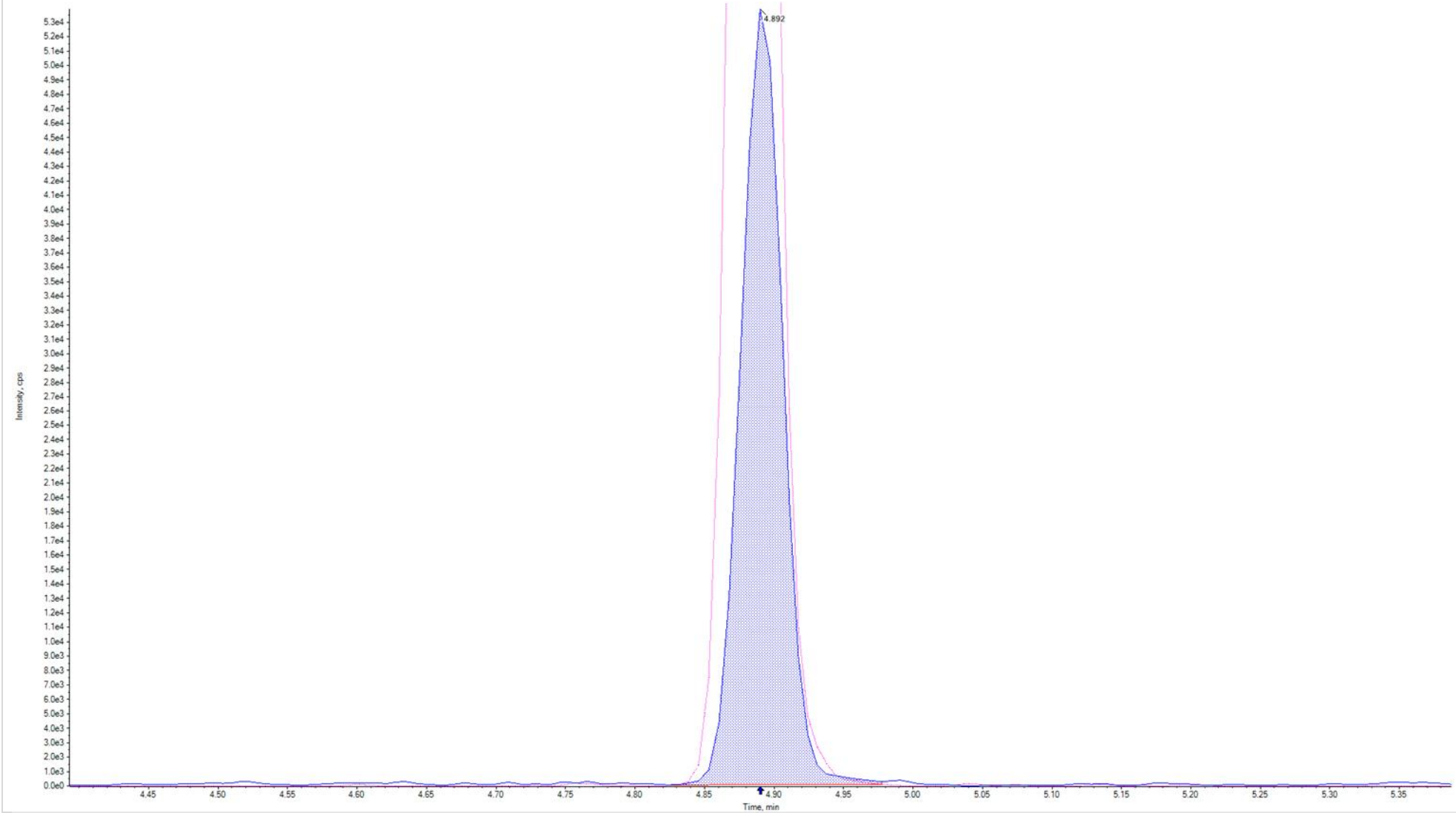
Generated: 11/15/2024 2:54:34 PM

PFDoA
Sample: IA1633STD-0.5 S/N:1484.1 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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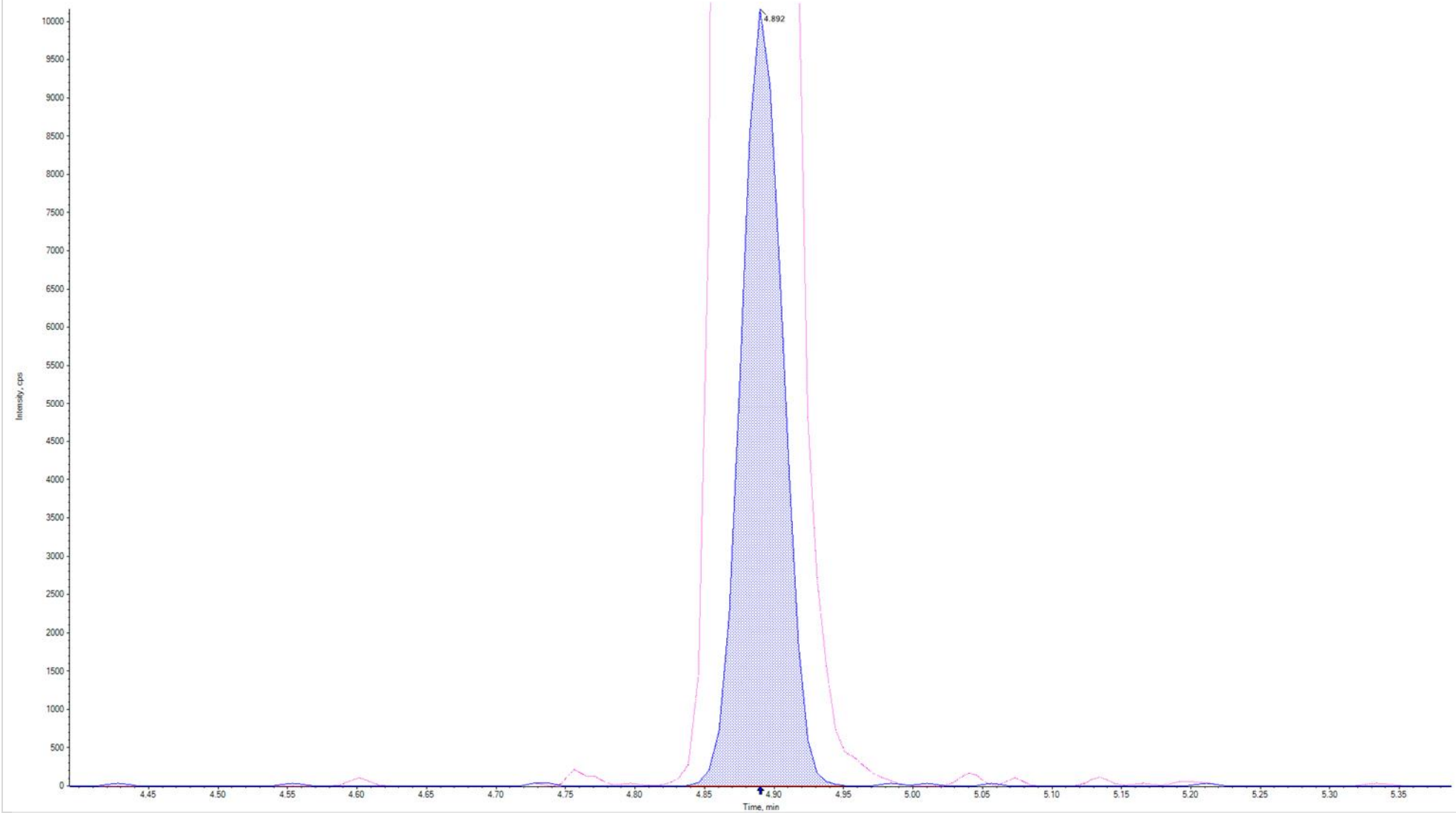
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDoA_2
Sample: IA1633STD-0.5 S/N:280.2 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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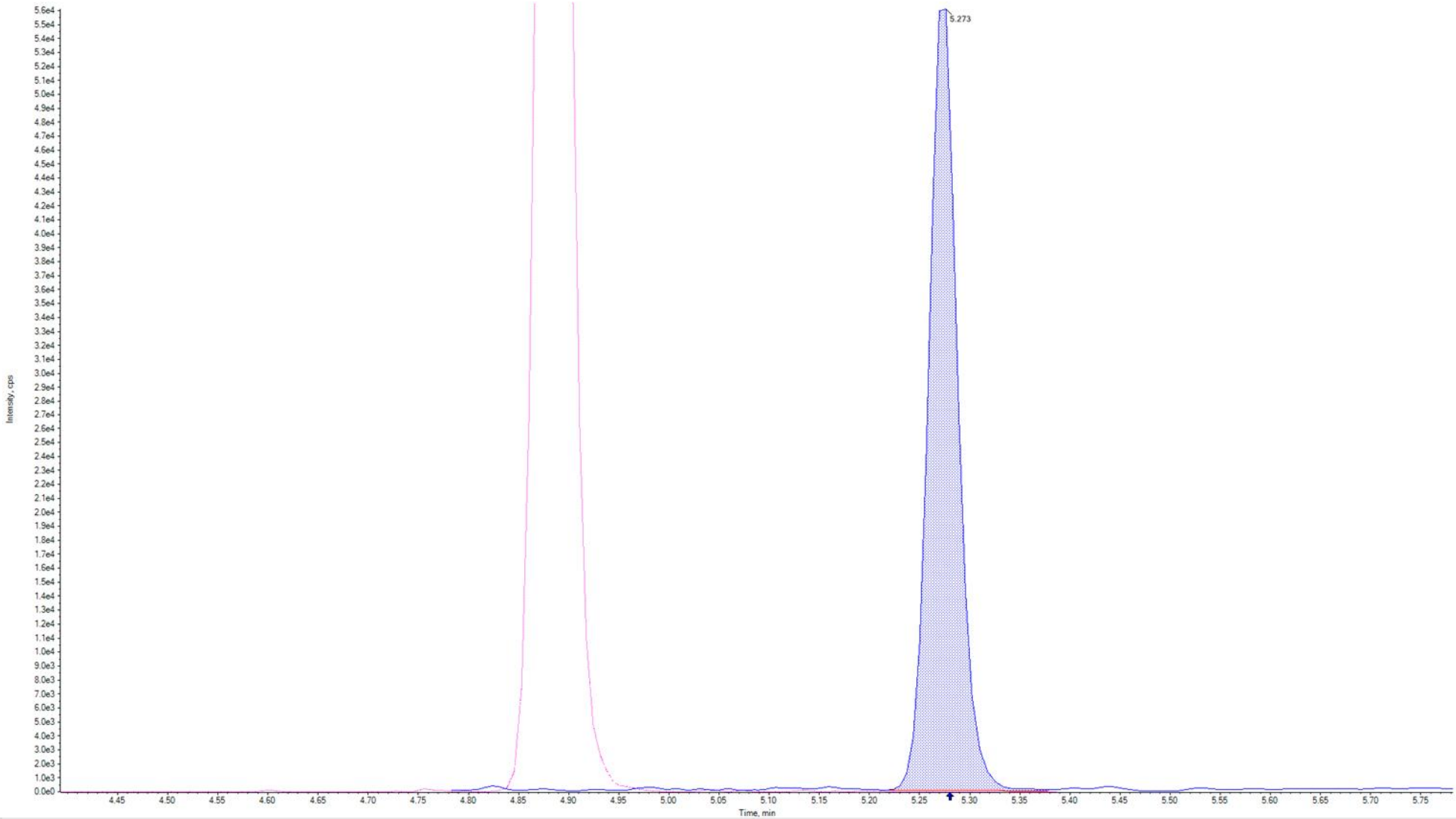
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFTrDA
Sample: IA1633STD-0.5 S/N:1801.6 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:19:49 PM
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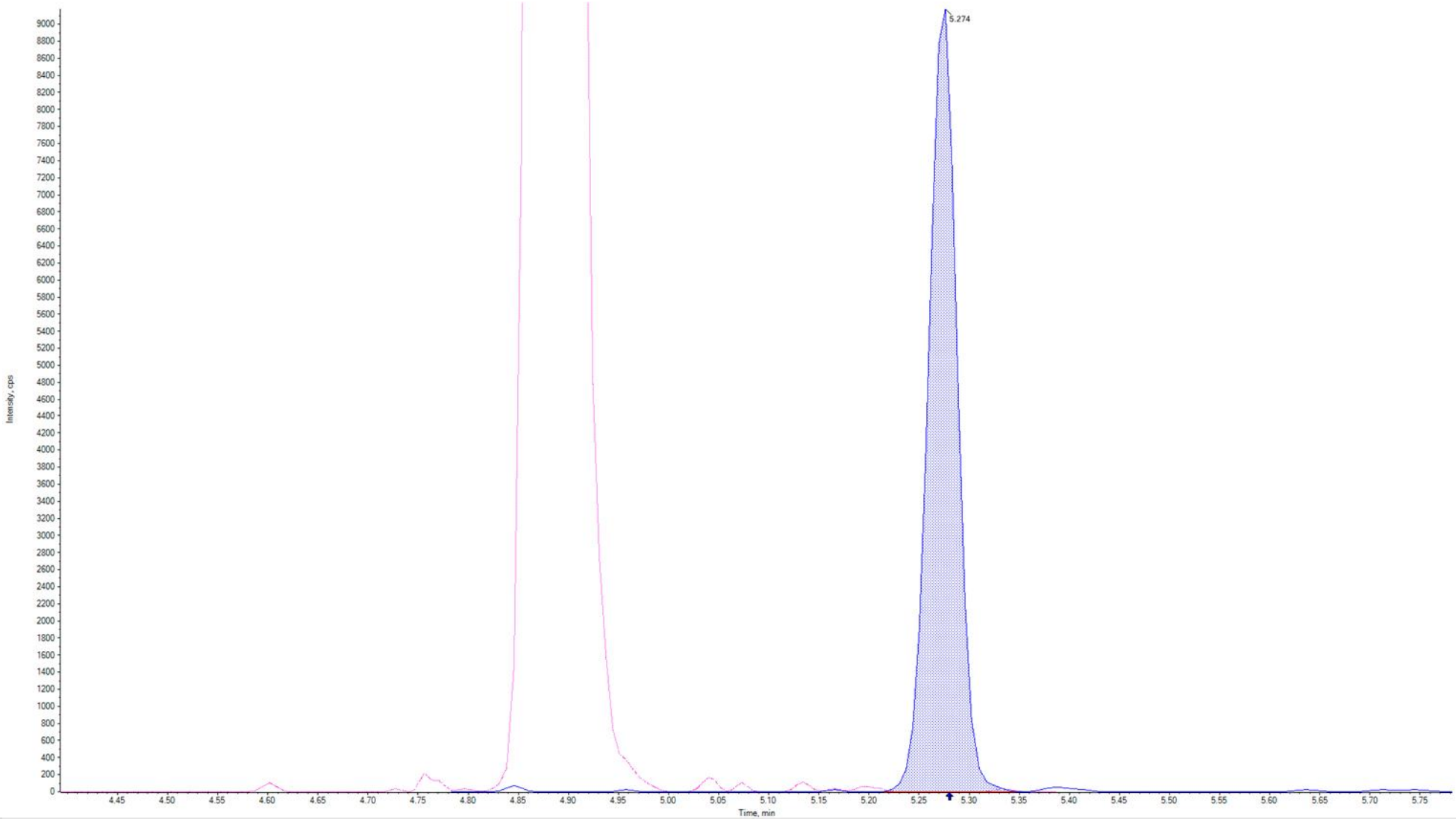
PFTrDA_2
Sample: IA1633STD-0.5 S/N:368.0 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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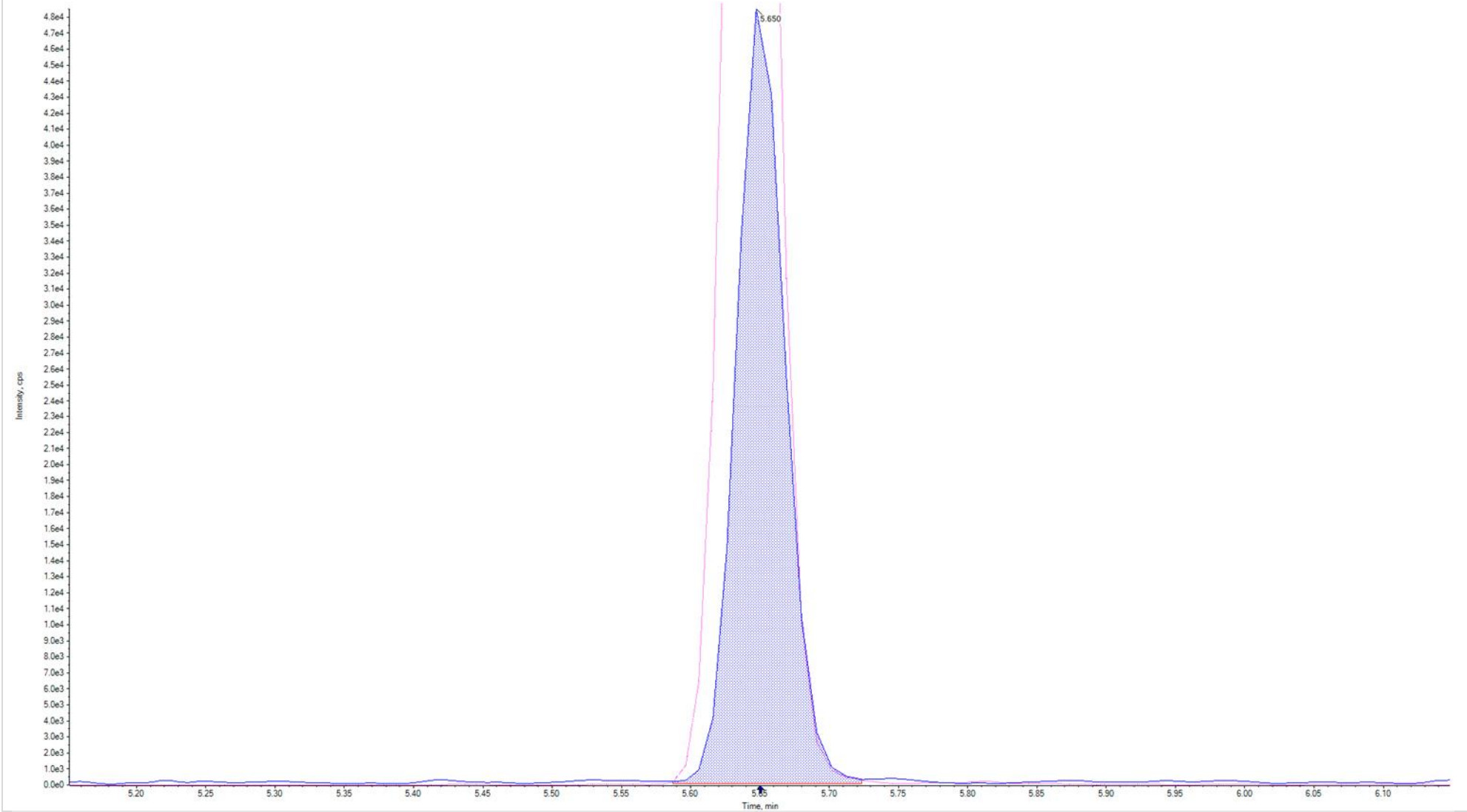
Generated: 11/15/2024 2:54:34 PM

PFTeDA
Sample: IA1633STD-0.5 S/N:812.3 Points Across peak:14



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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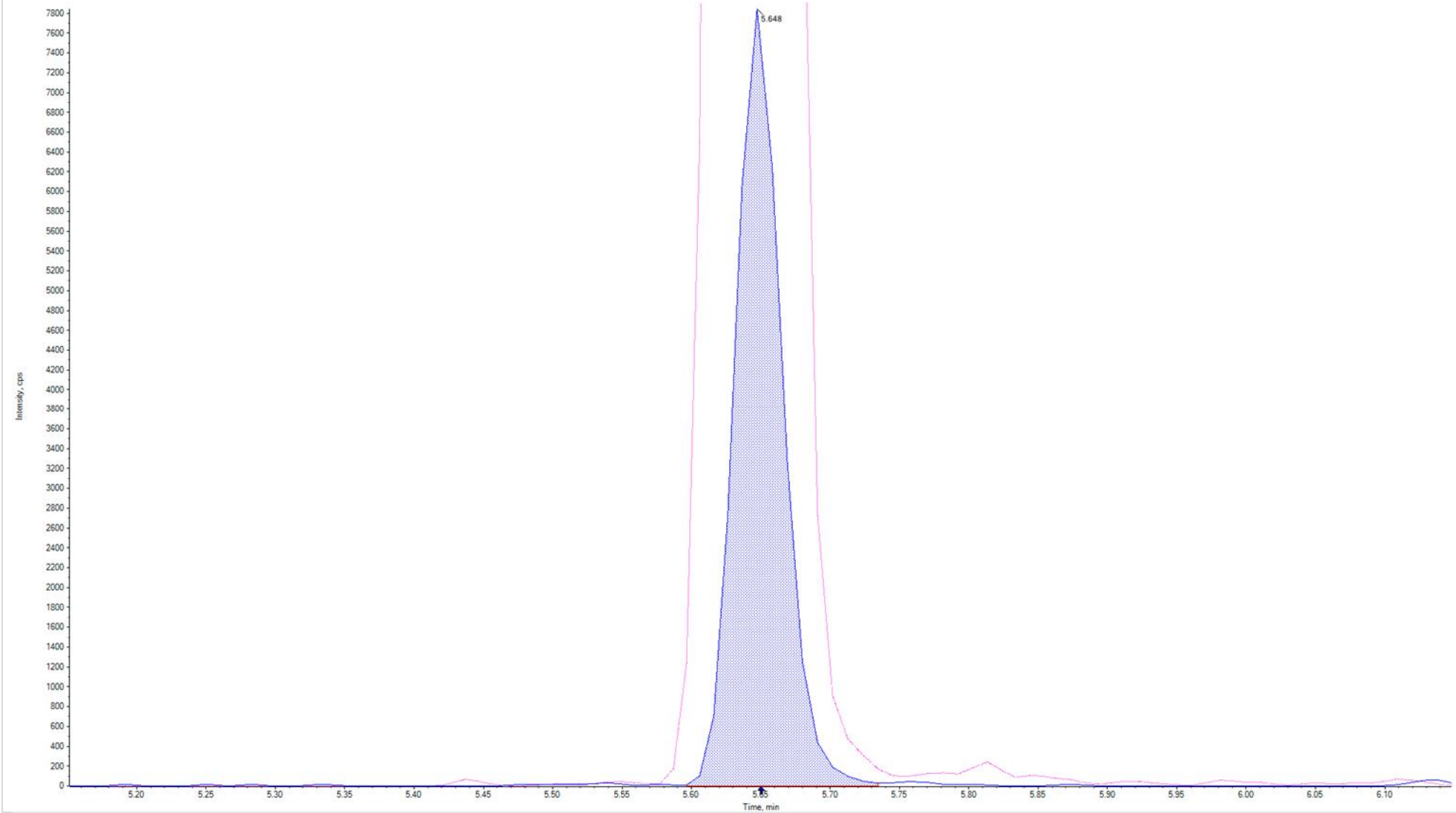
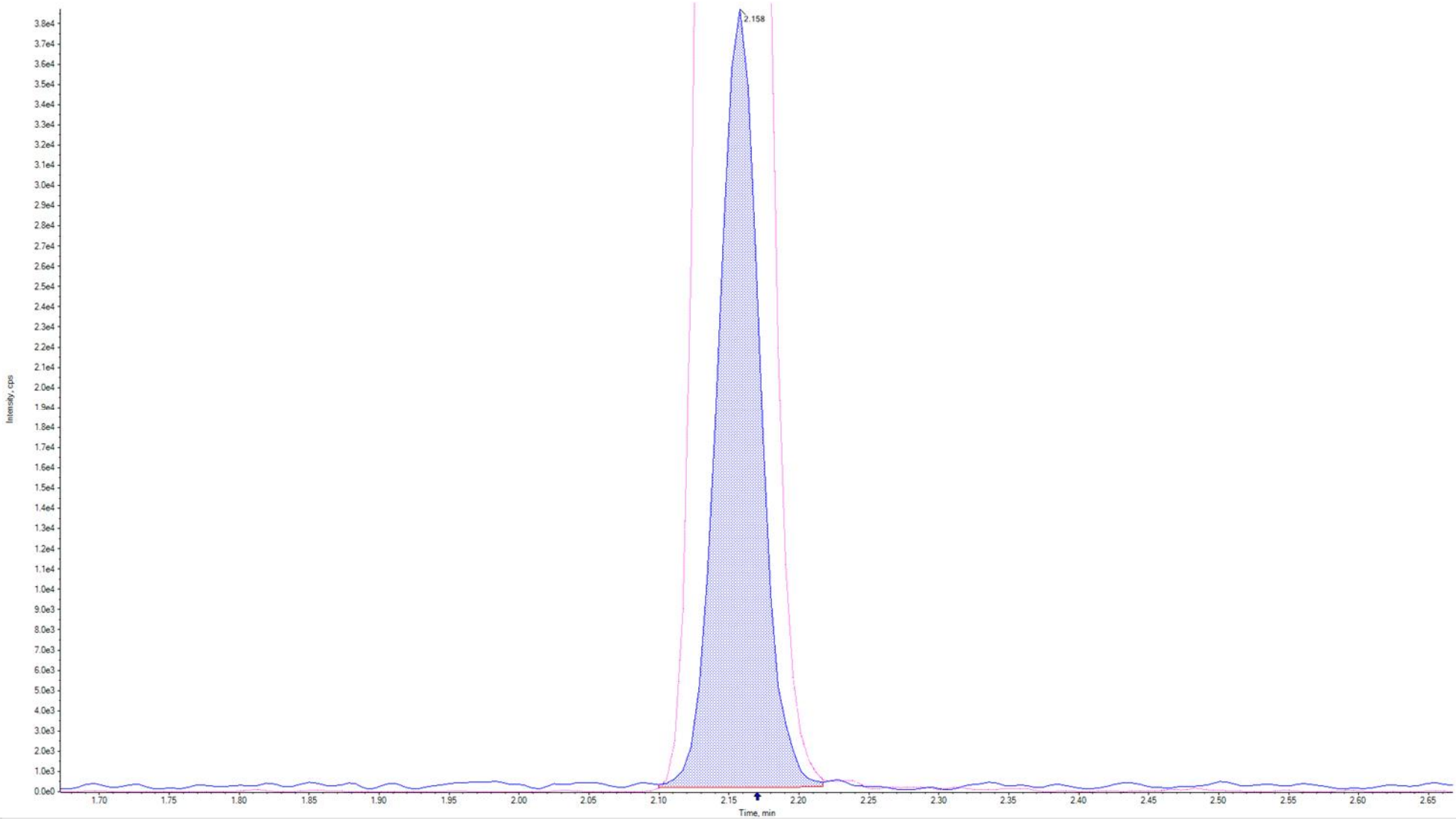
PFTeDA_2
Sample: IA1633STD-0.5 S/N:491.4 Points Across peak:14



PFBS
Sample: IA1633STD-0.5 S/N:822.2 Points Across peak:22



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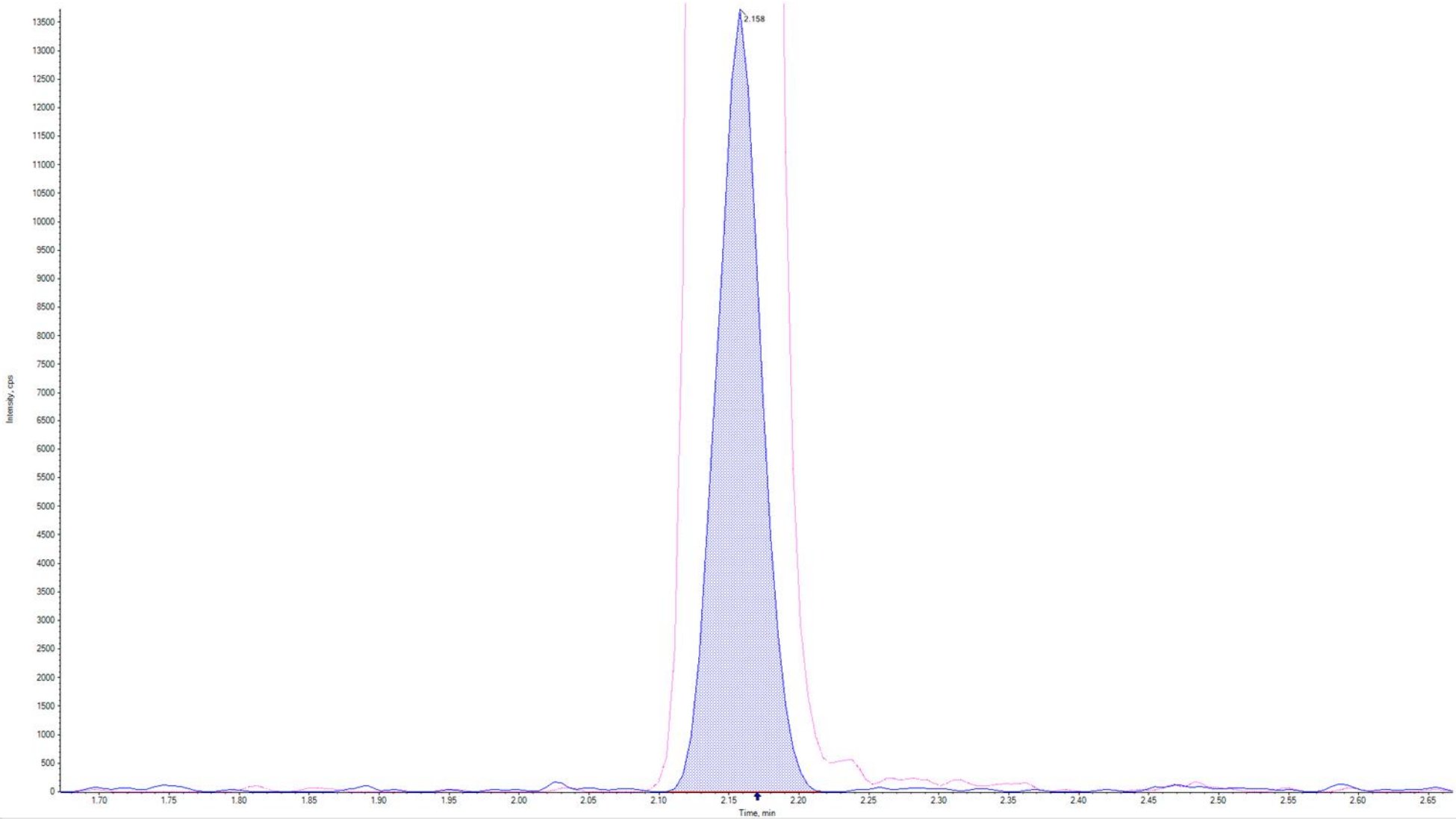
PFBS_2
Sample: IA1633STD-0.5 S/N:344.1 Points Across peak:23



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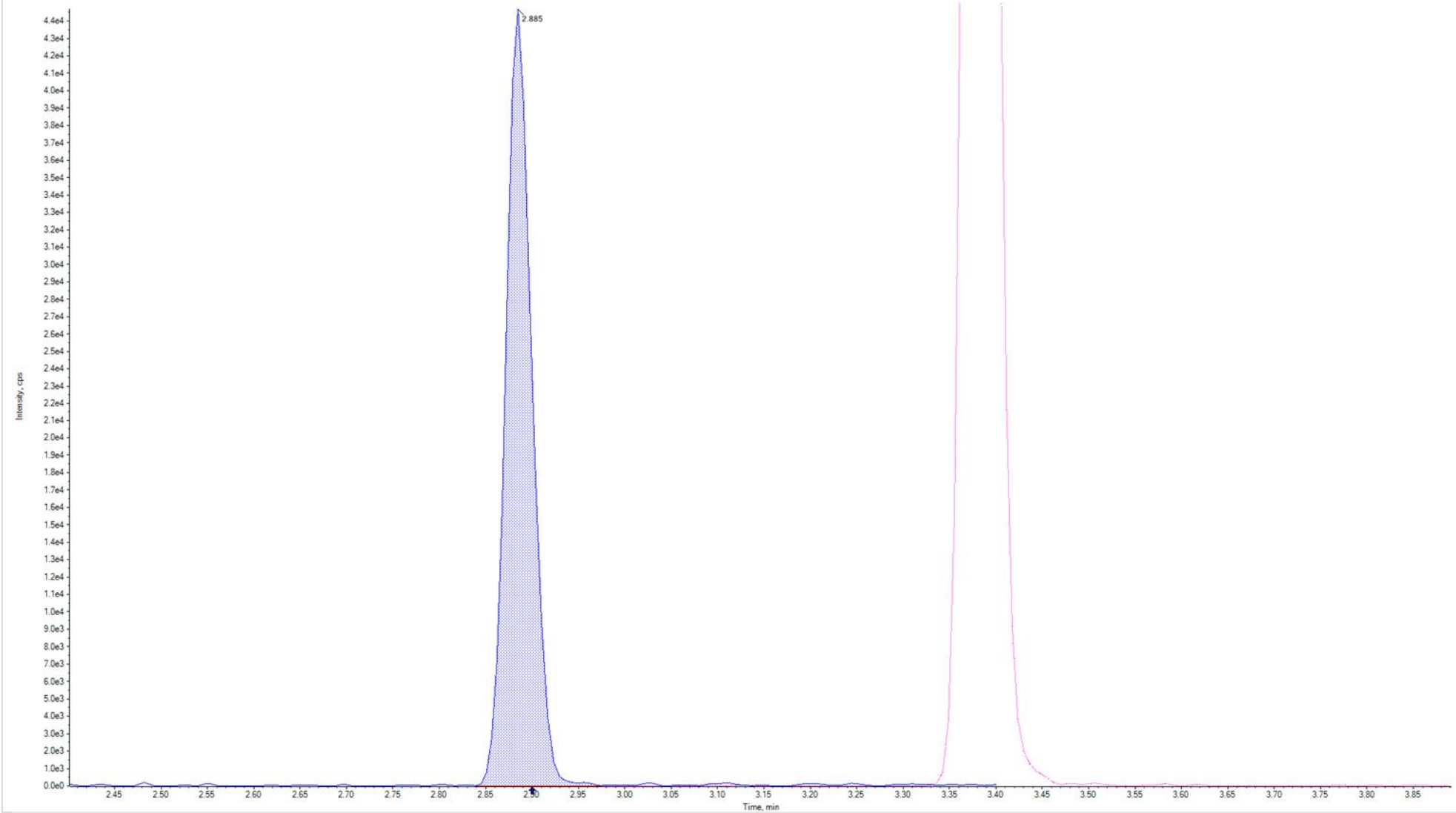
PFPeS
Sample: IA1633STD-0.5 S/N:895.7 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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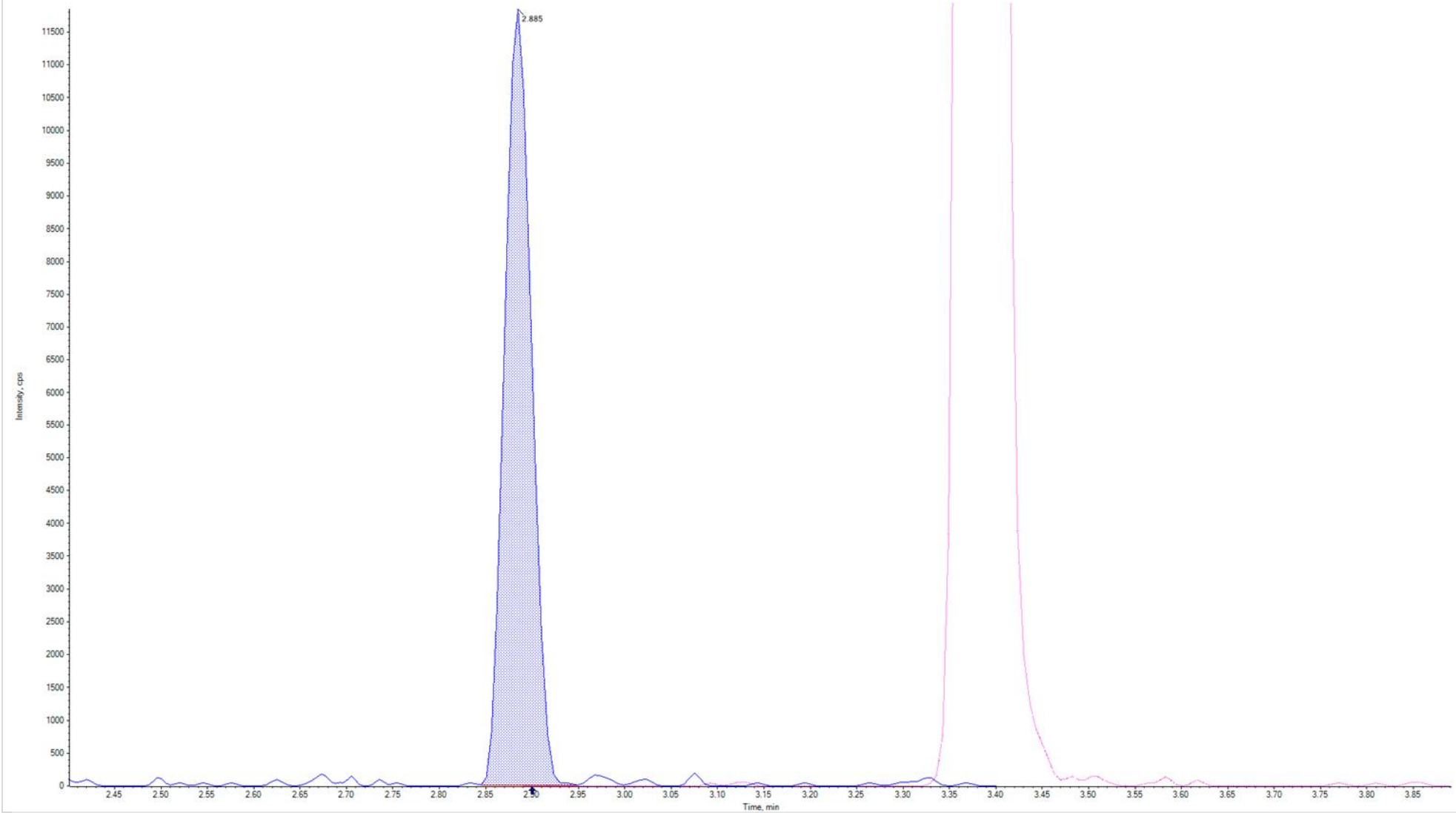
PFPeS_2
Sample: IA1633STD-0.5 S/N:237.3 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:19:49 PM
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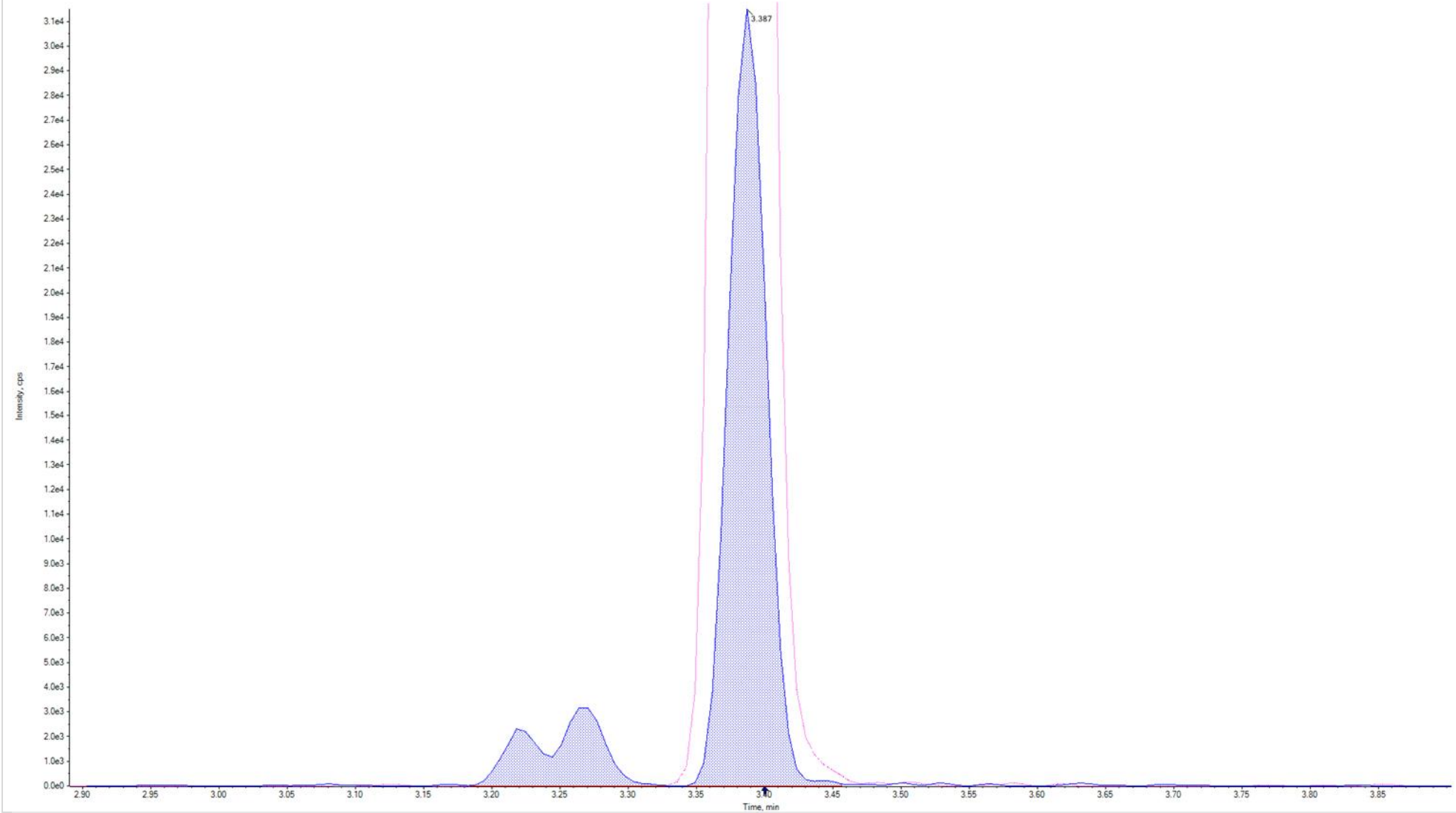
PFHxS
Sample: IA1633STD-0.5 S/N:616.0 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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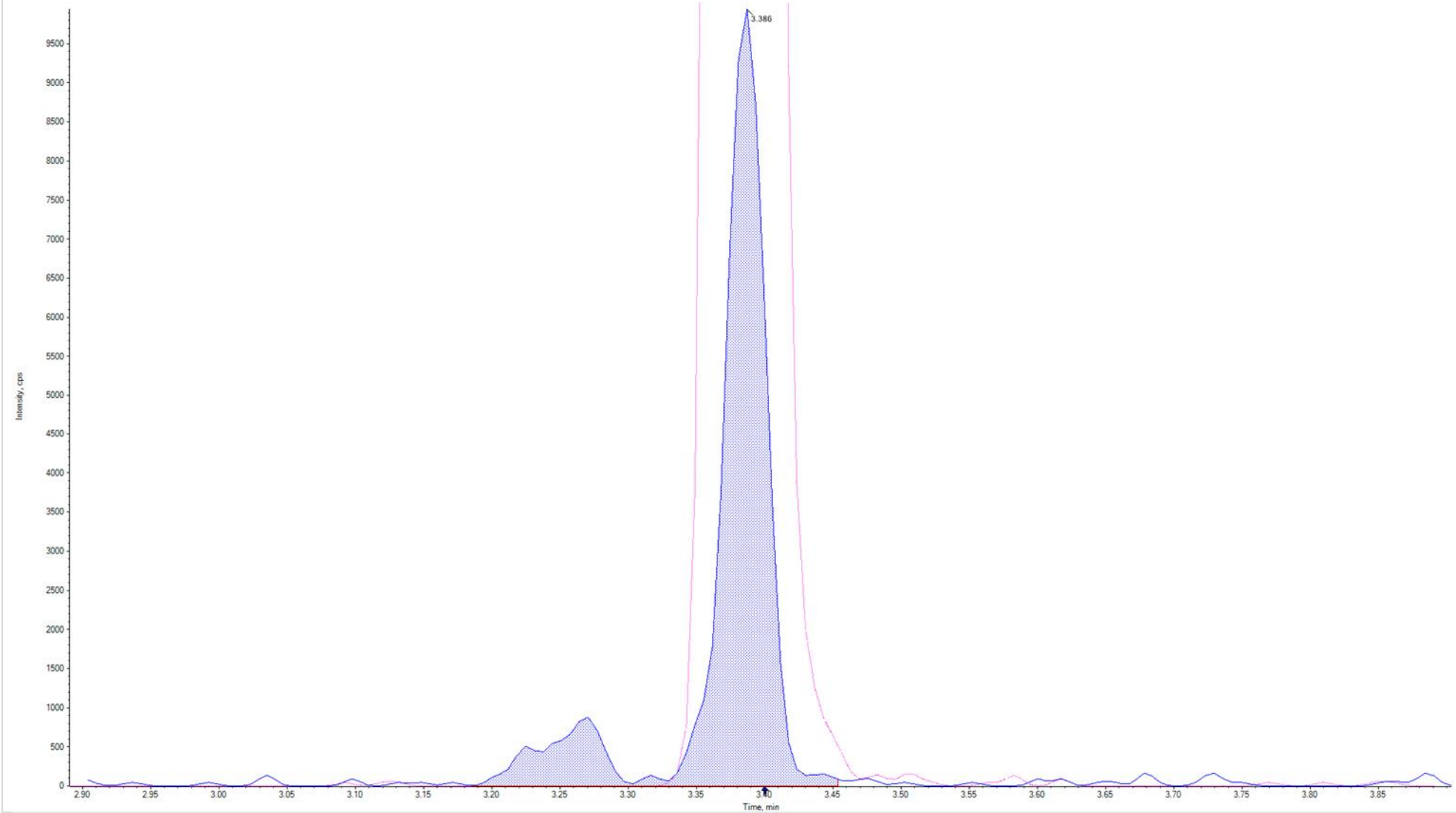
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFHxS_2
Sample: IA1633STD-0.5 S/N:224.3 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:19:49 PM
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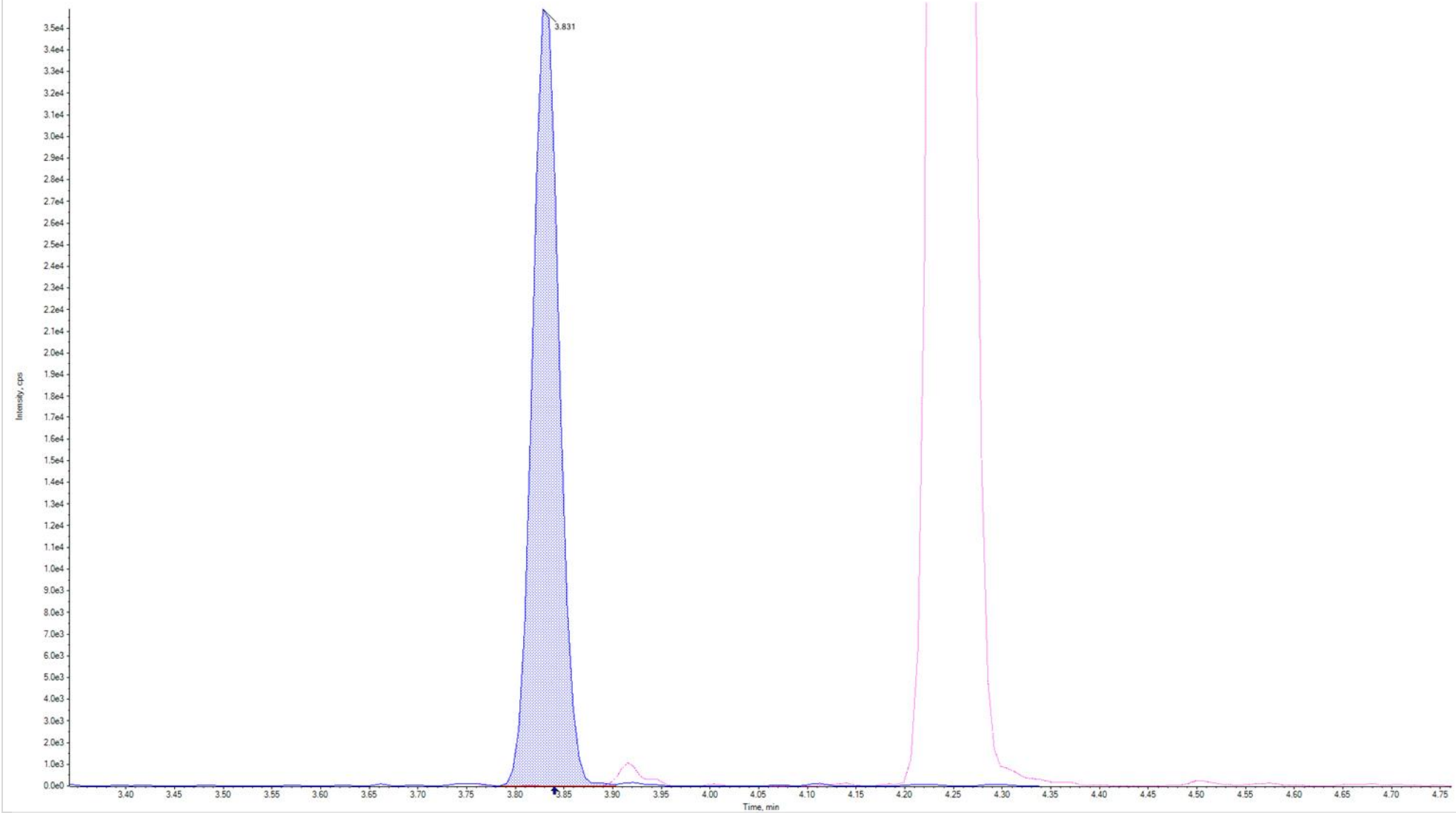
PFHpS
Sample: IA1633STD-0.5 S/N:719.3 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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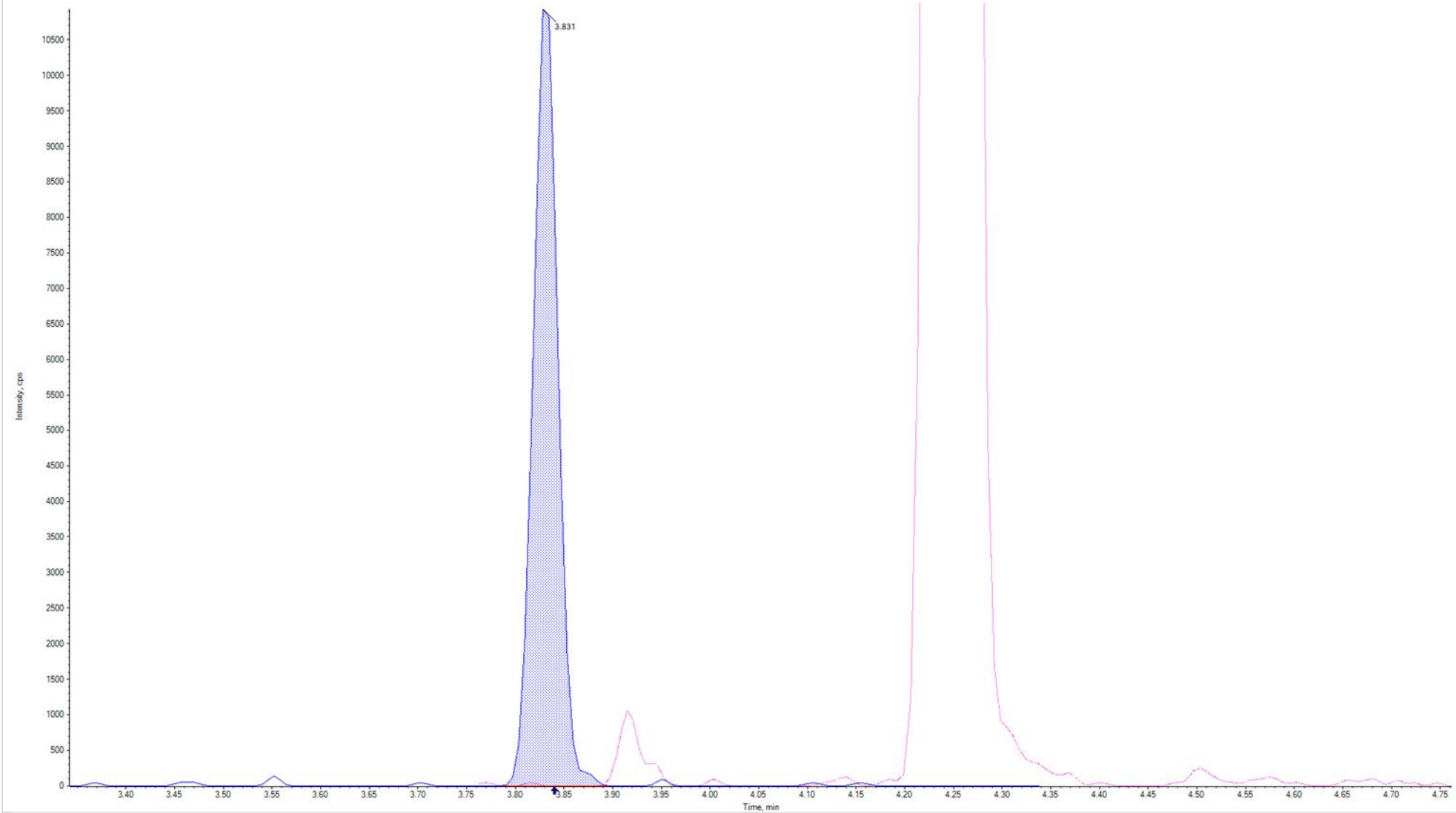
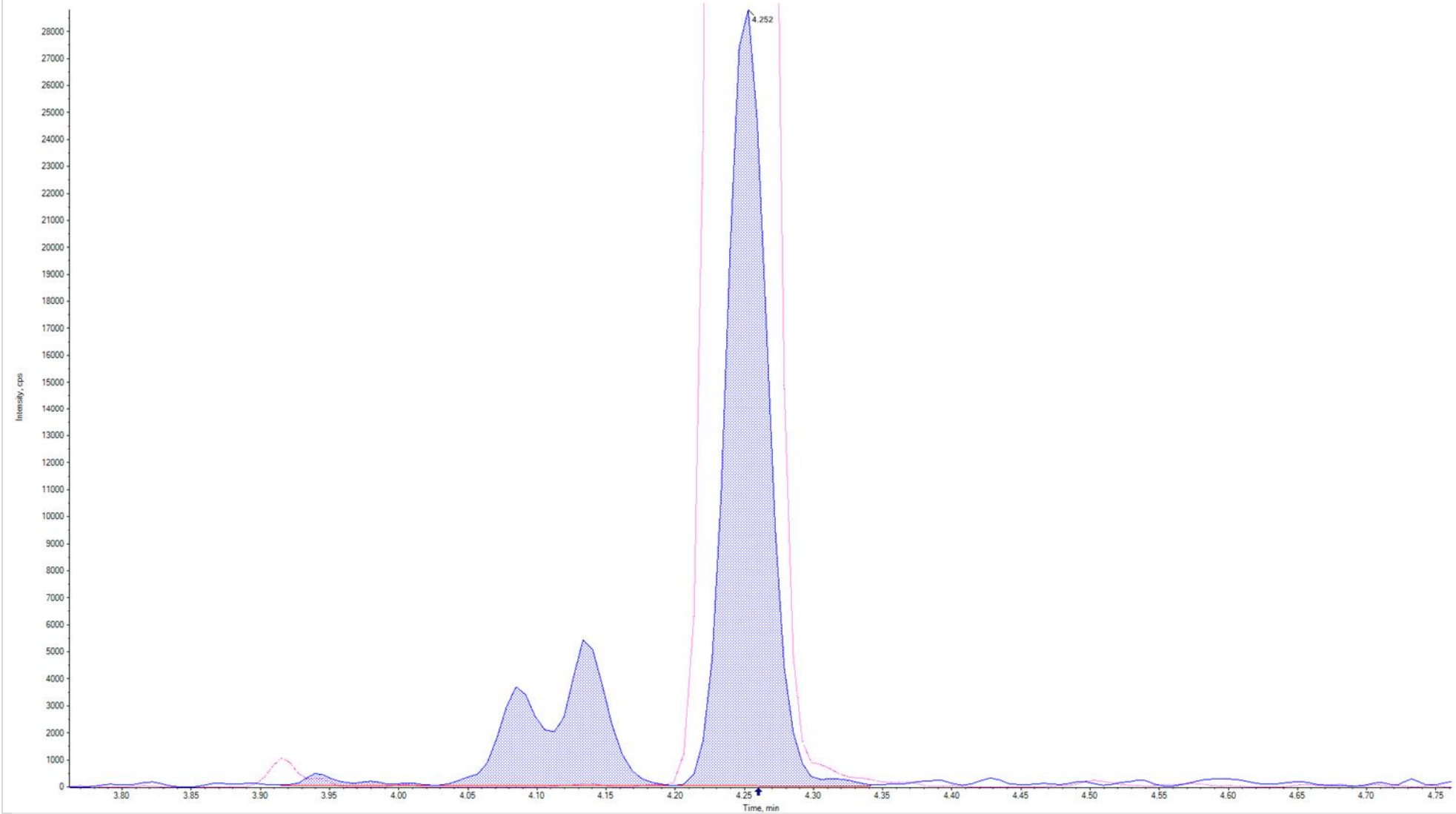
Generated: 11/15/2024 2:54:34 PM

PFHpS_2
Sample: IA1633STD-0.5 S/N:219.2 Points Across peak:27



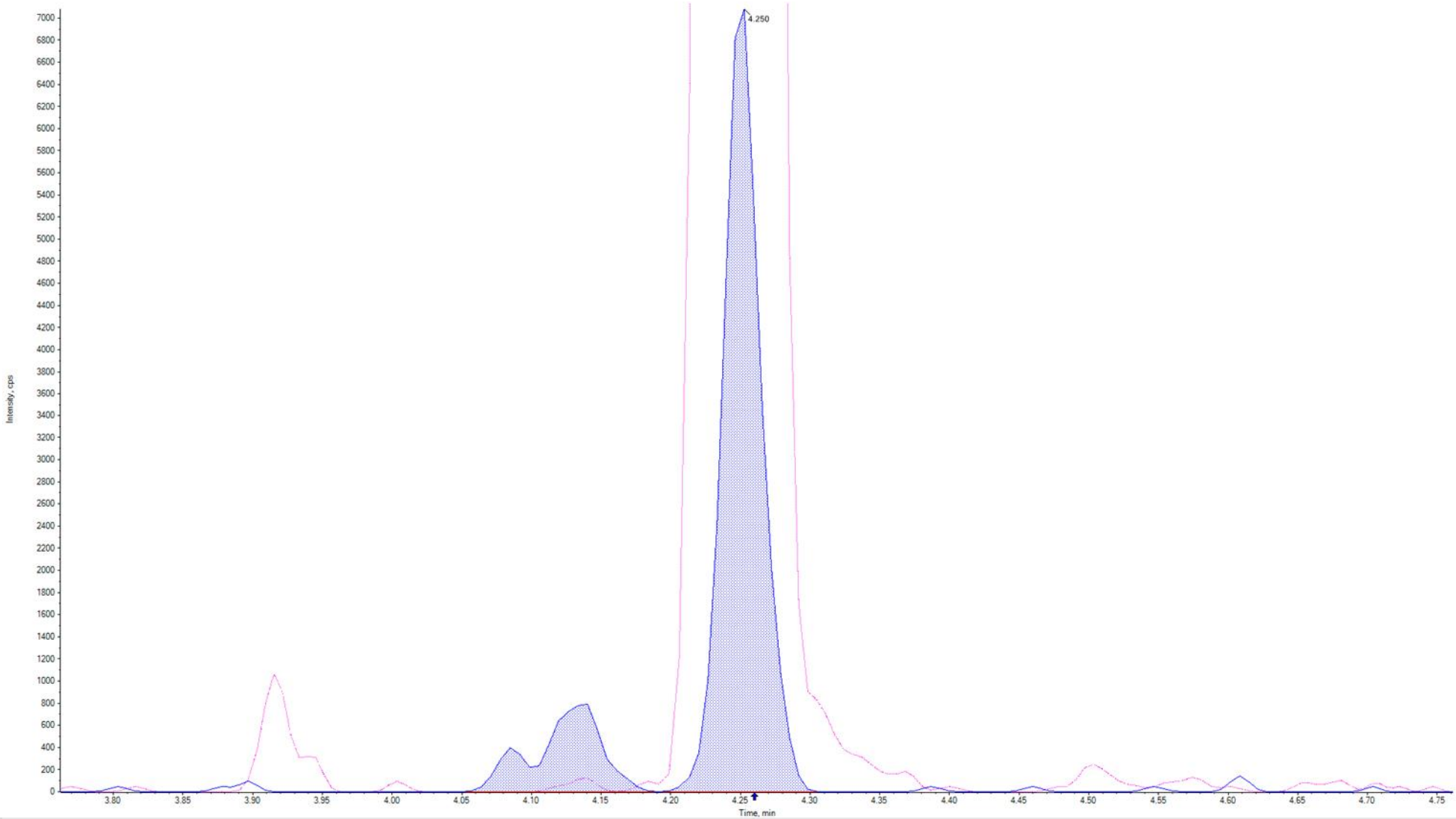
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOS
Sample: IA1633STD-0.5 S/N:250.5 Points Across peak:67



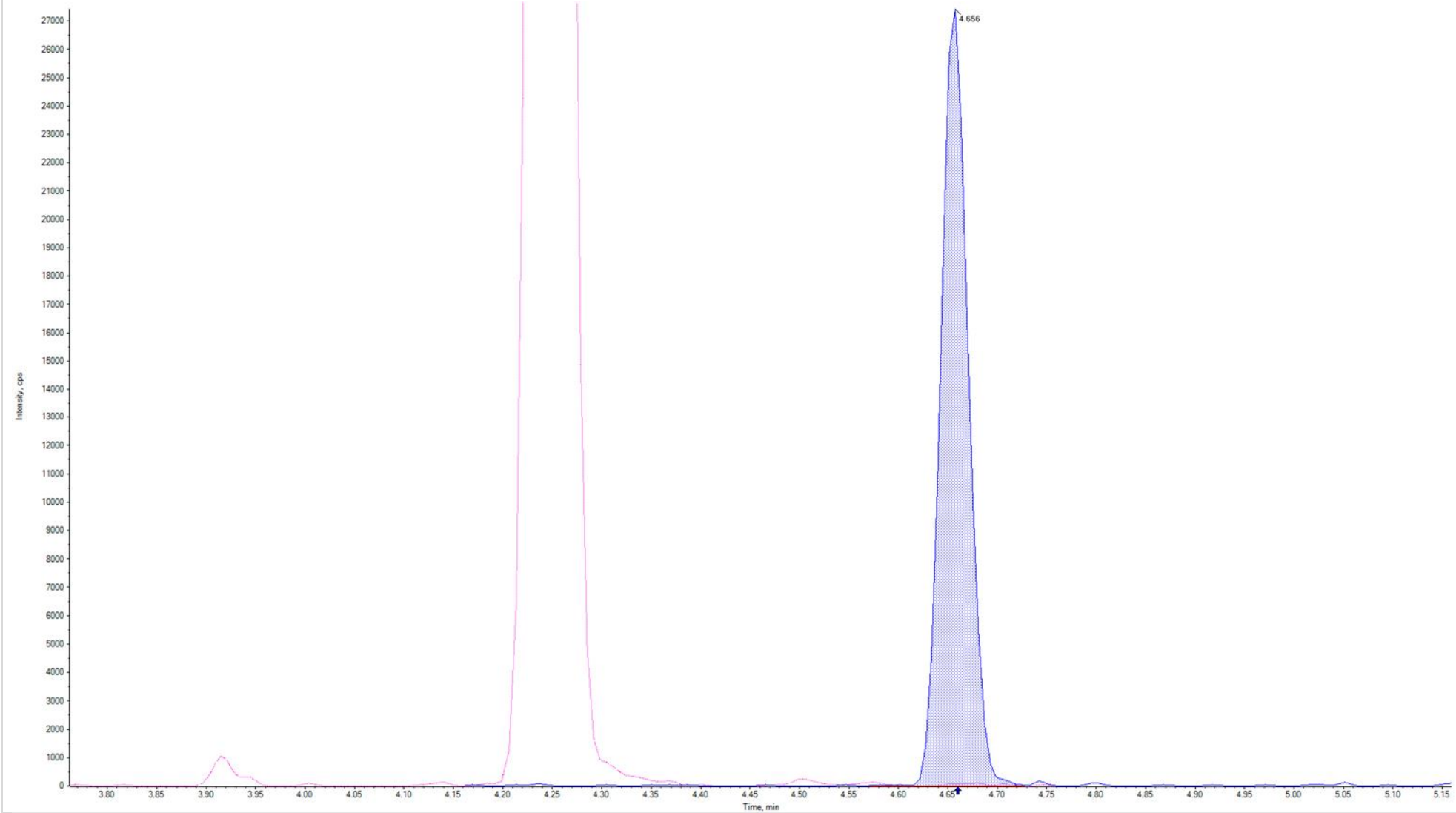
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOS_2
Sample: IA1633STD-0.5 S/N:142.0 Points Across peak:42



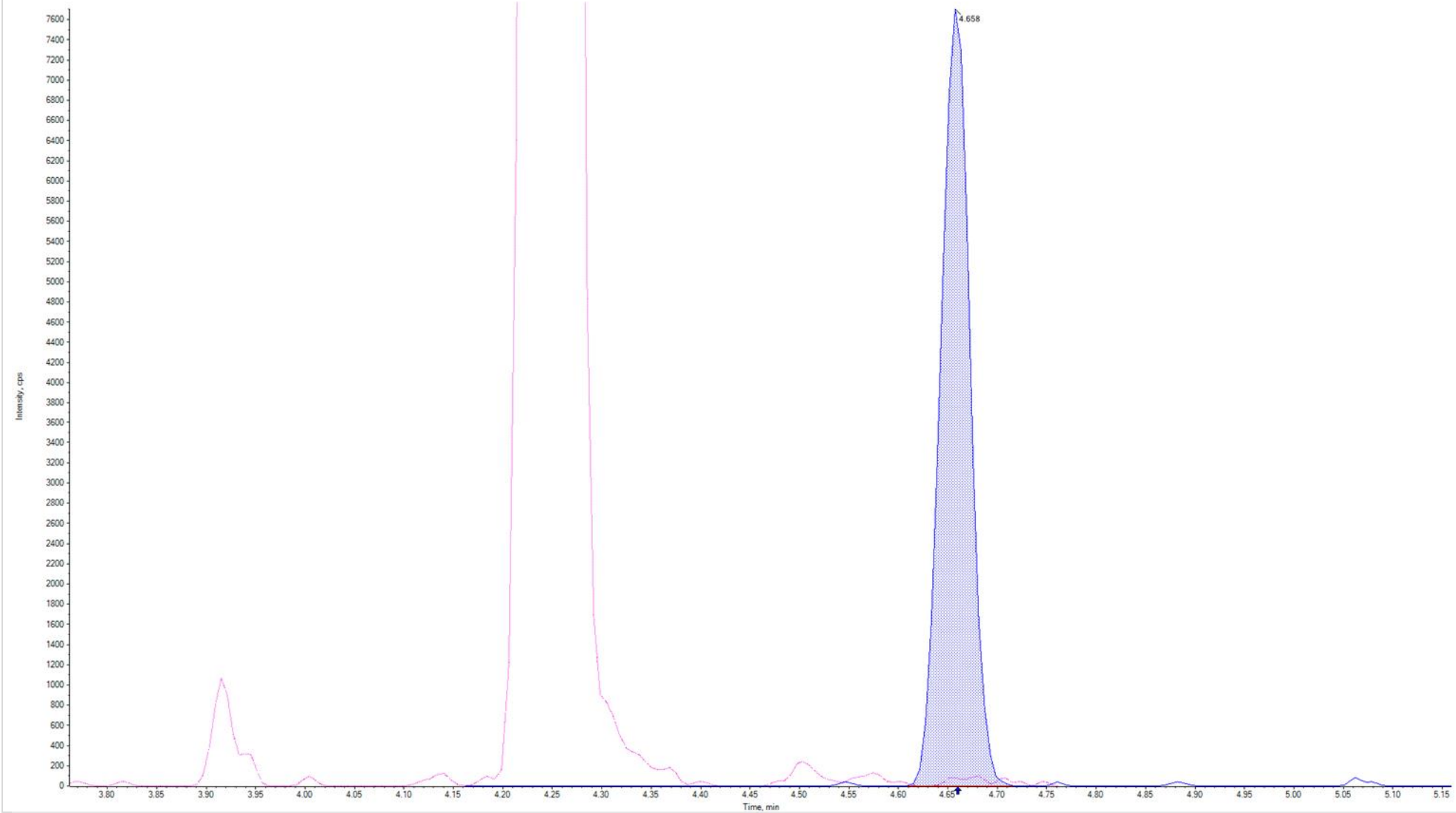
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFNS
Sample: IA1633STD-0.5 S/N:687.3 Points Across peak:29



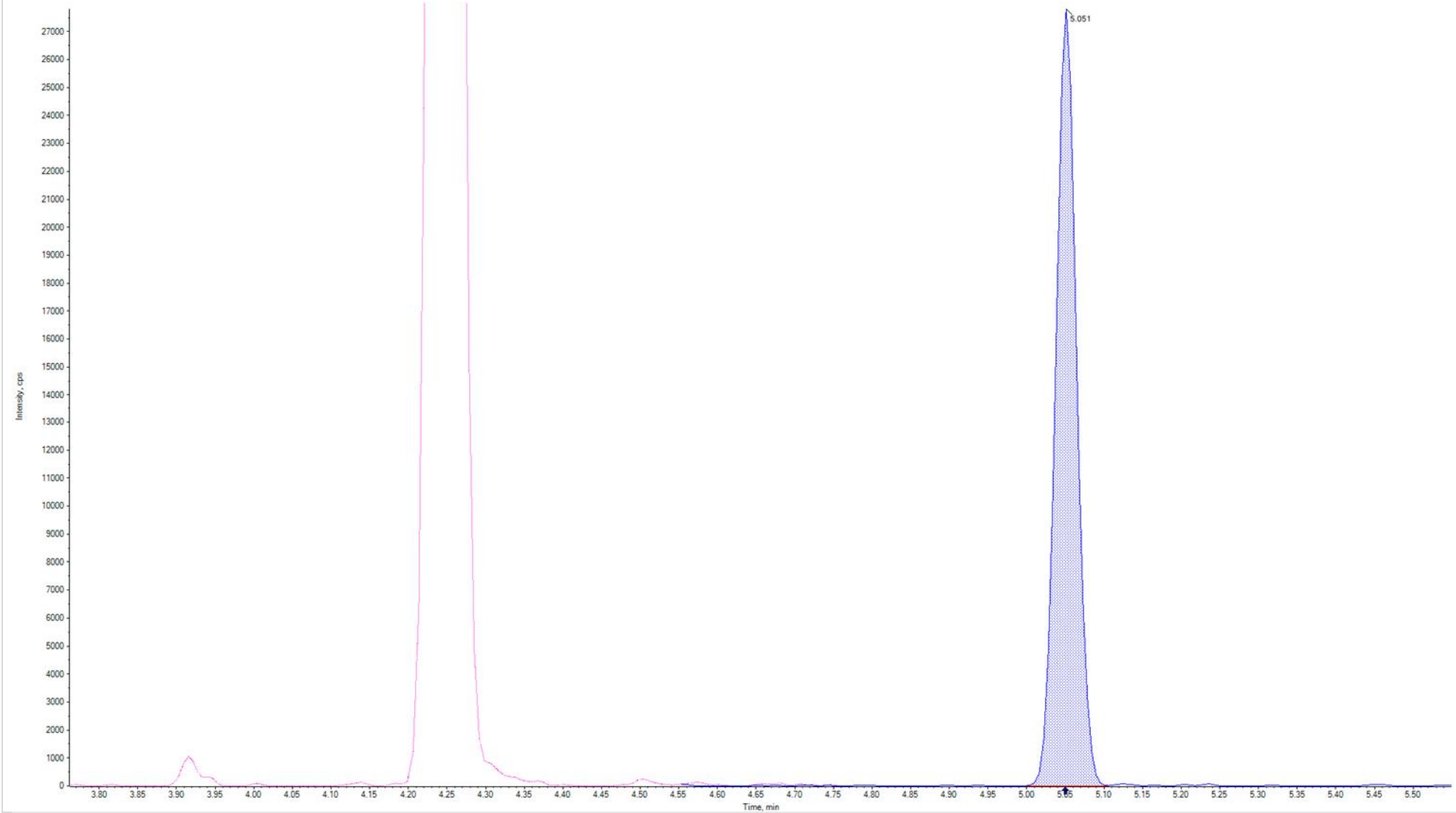
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFNS_2
Sample: IA1633STD-0.5 S/N:193.1 Points Across peak:26



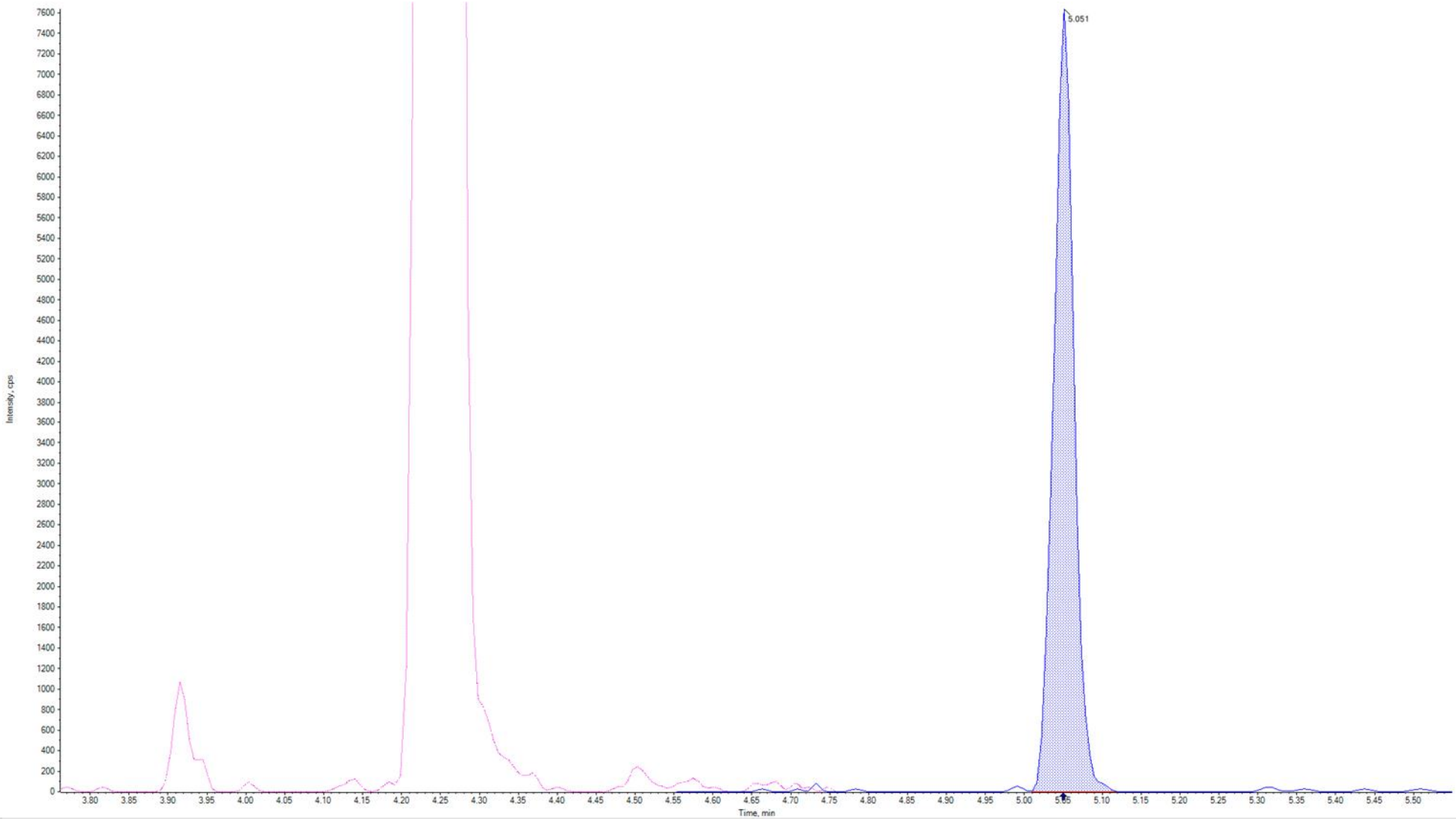
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDS
Sample: IA1633STD-0.5 S/N:975.8 Points Across peak:22



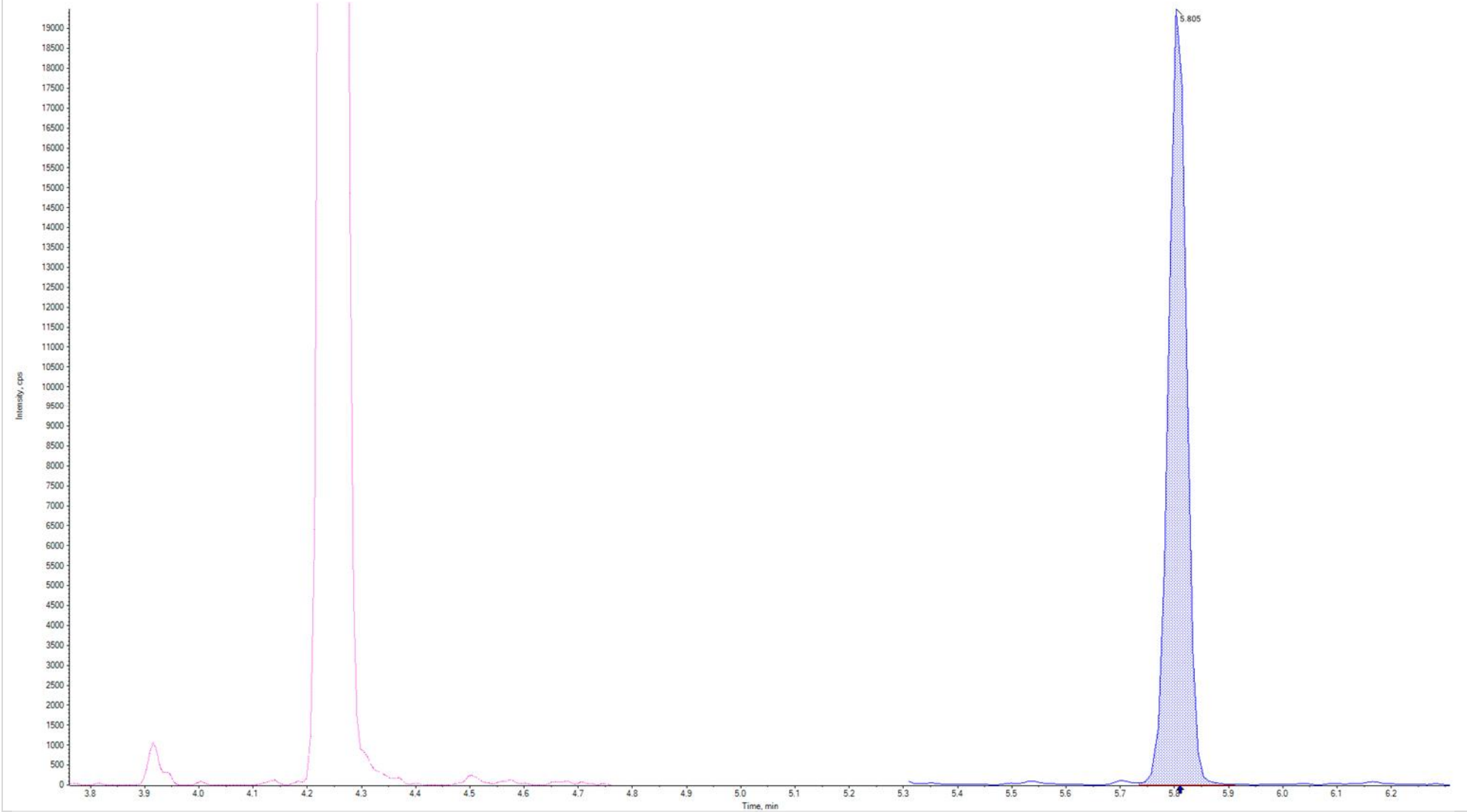
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDS_2
Sample: IA1633STD-0.5 S/N:268.0 Points Across peak:26



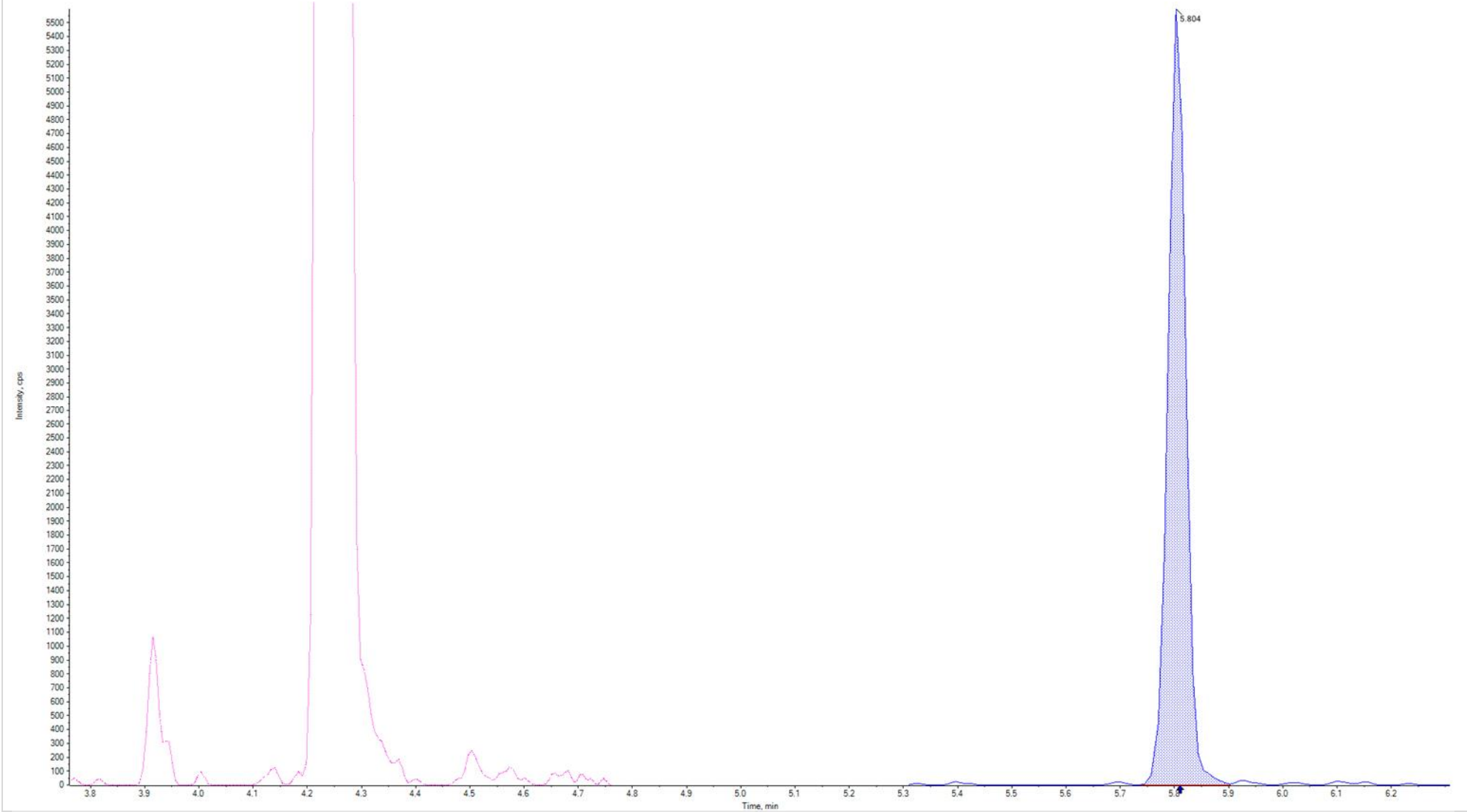
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDoS
Sample: IA1633STD-0.5 S/N:1513.9 Points Across peak:19



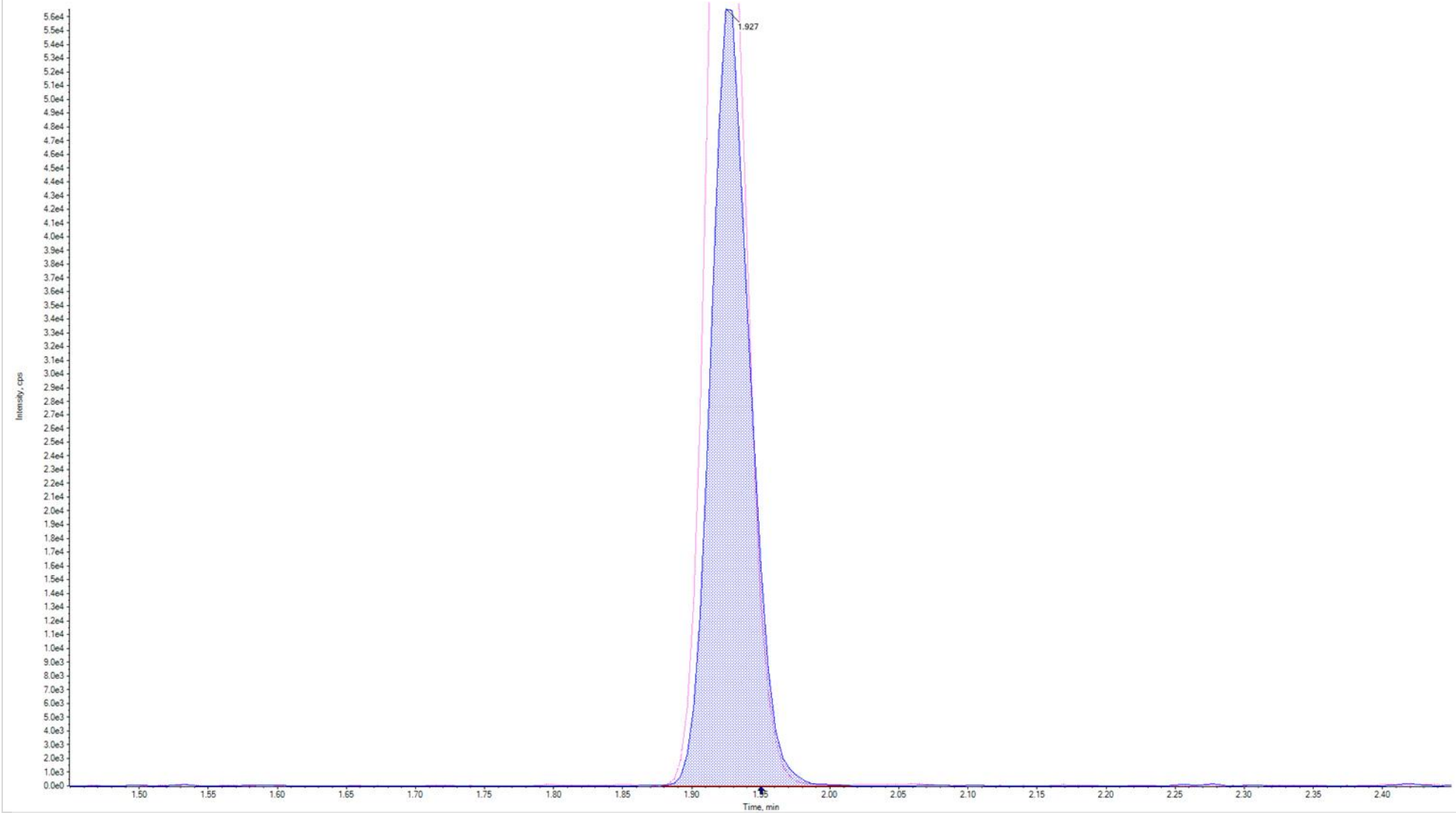
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDoS_2
Sample: IA1633STD-0.5 S/N:435.0 Points Across peak:17



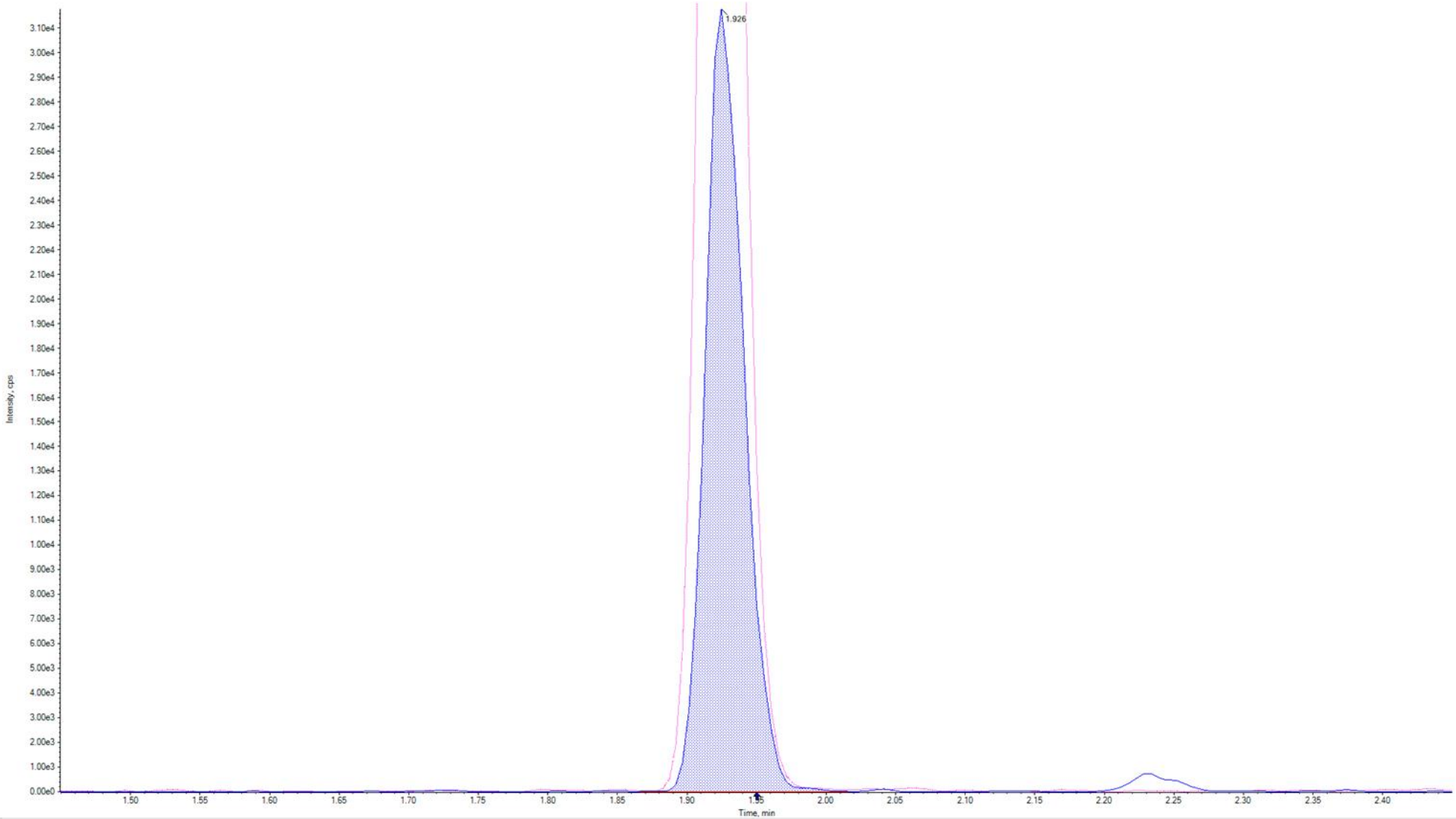
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

4:2FTS
Sample: IA1633STD-0.5 S/N:2126.8 Points Across peak:32



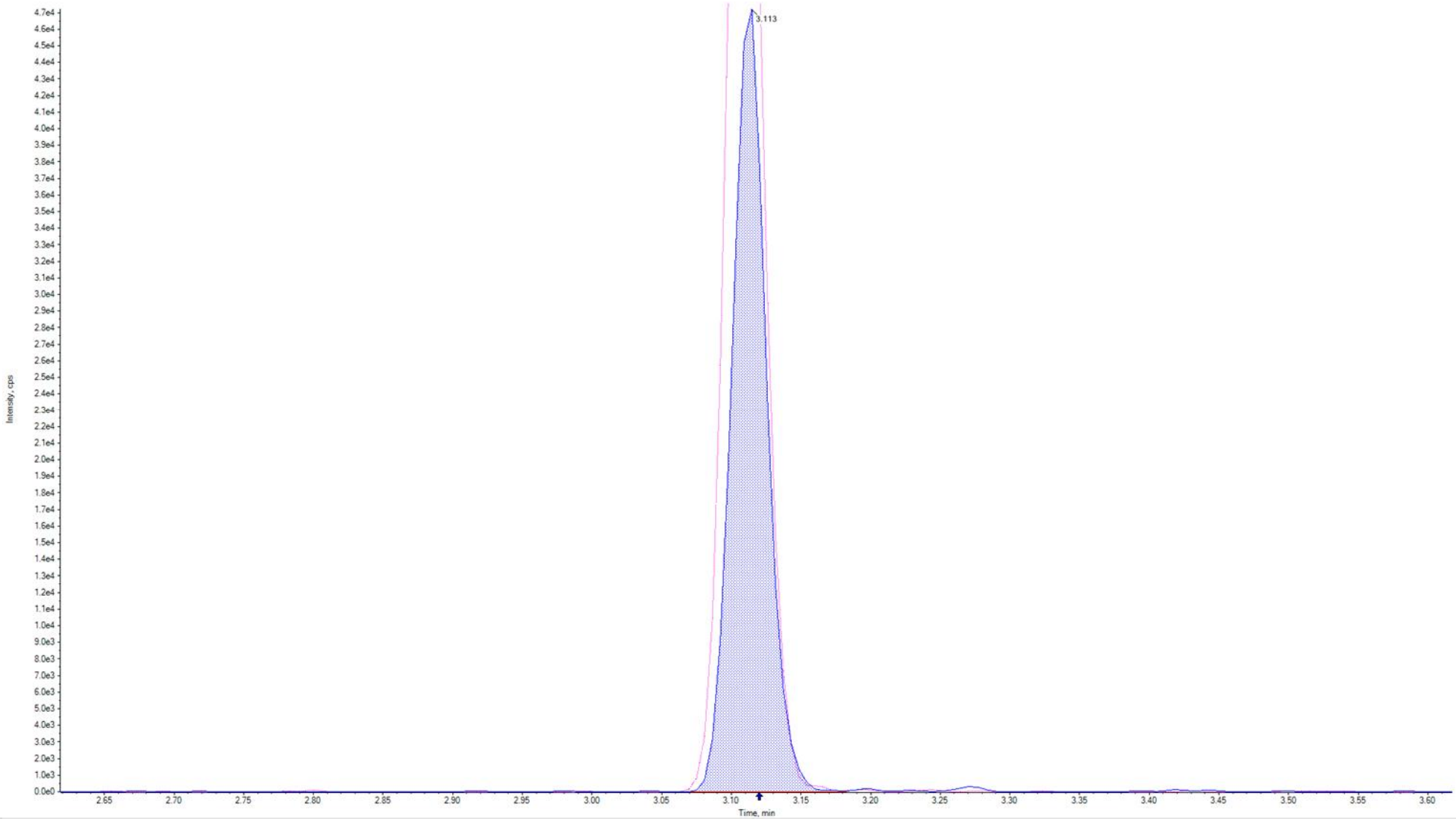
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

4:2FTS_2
Sample: IA1633STD-0.5 S/N:1194.3 Points Across peak:32



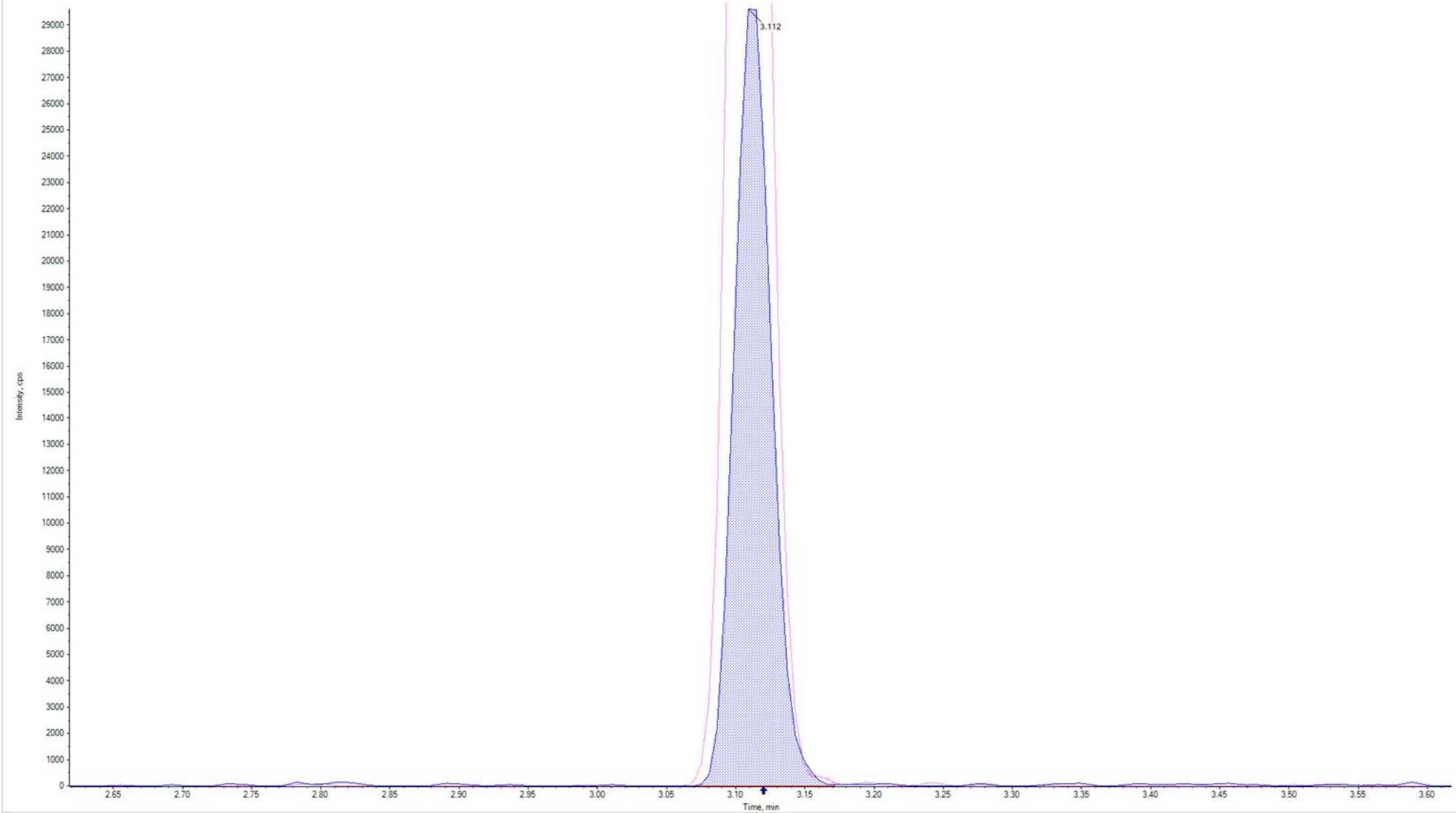
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

6:2FTS
Sample: IA1633STD-0.5 S/N:946.6 Points Across peak:22

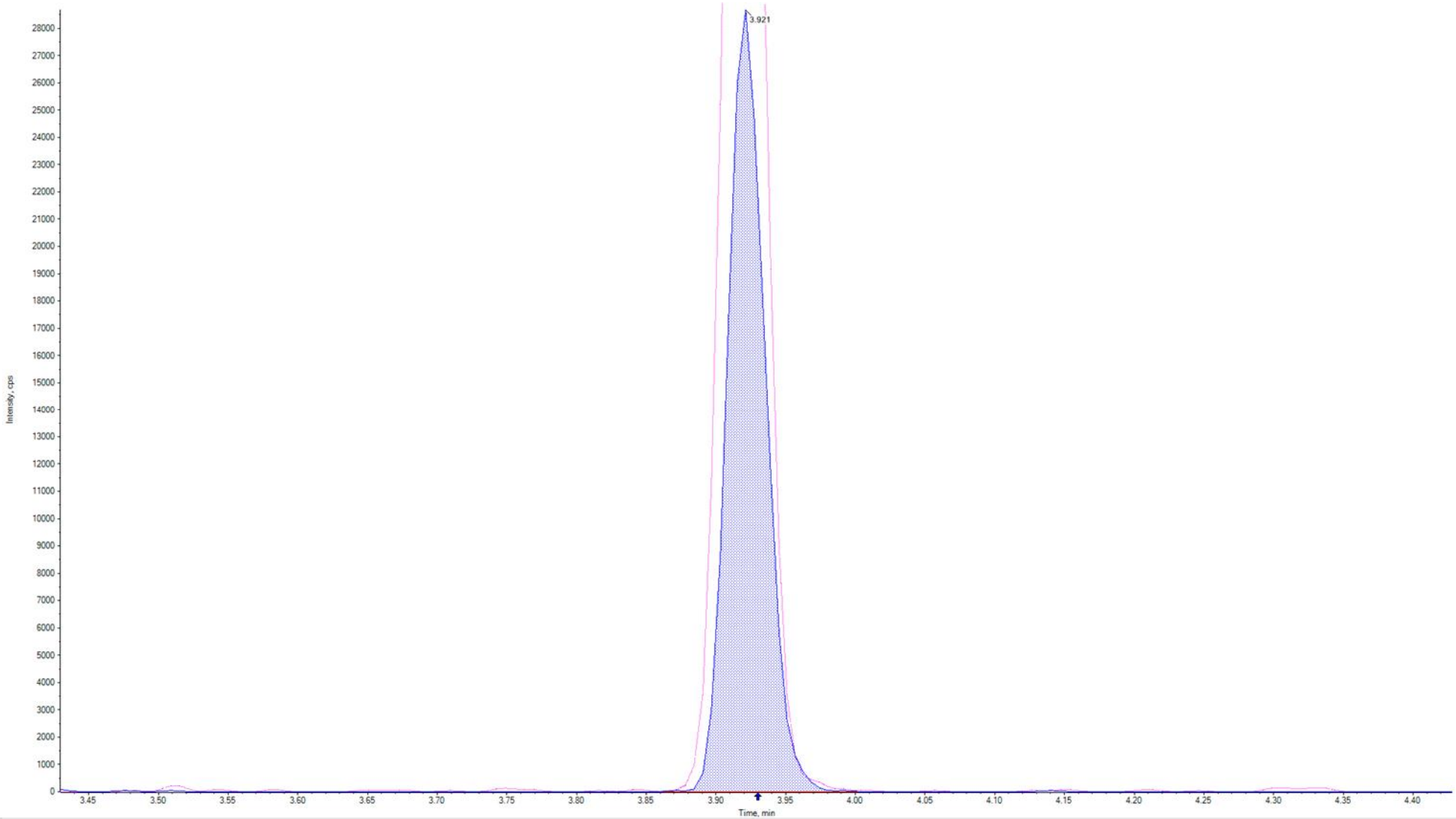


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

6:2FTS_2
Sample: IA1633STD-0.5 S/N:593.7 Points Across peak:22

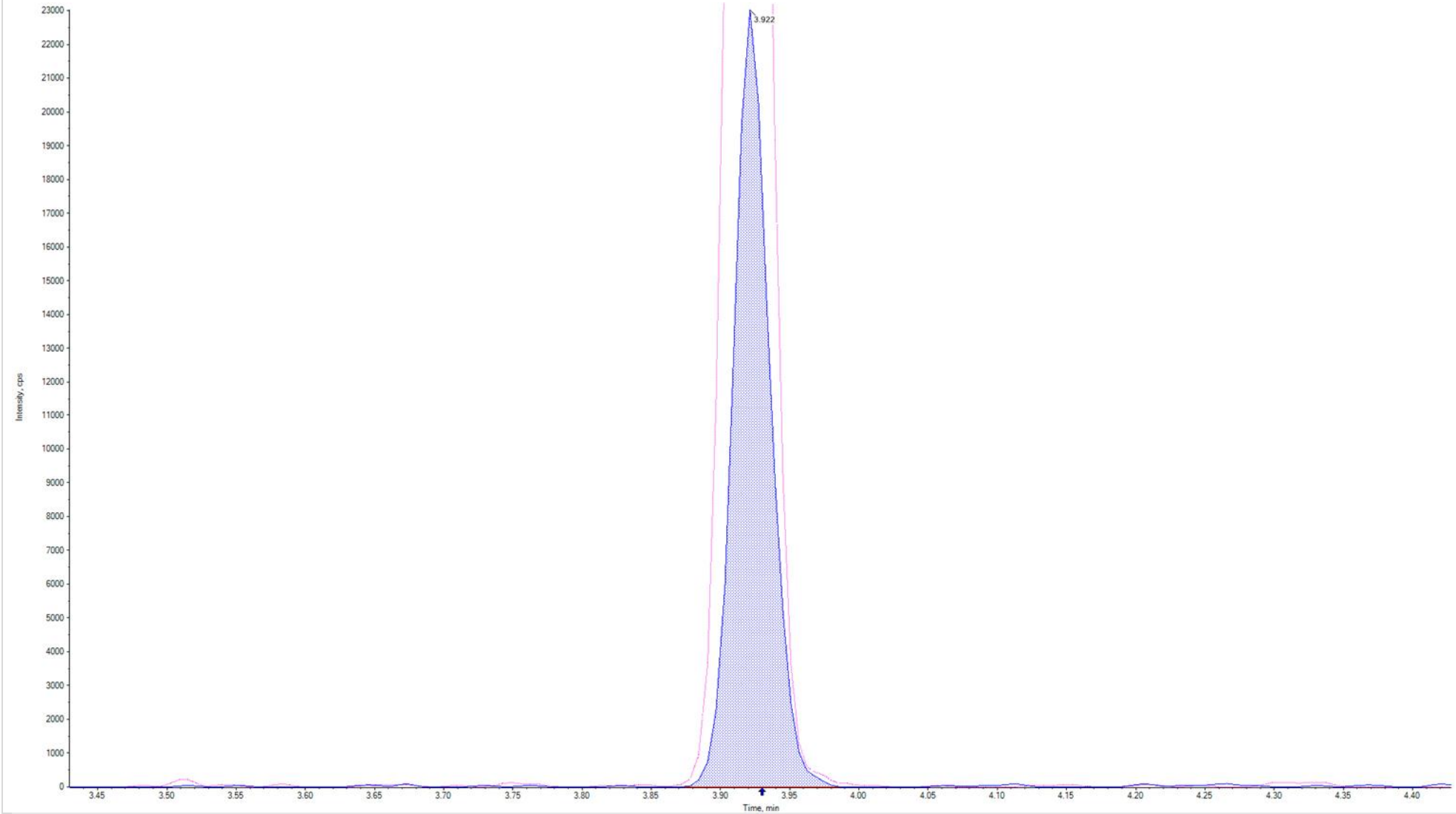


8:2FTS
Sample: IA1633STD-0.5 S/N:575.0 Points Across peak:37



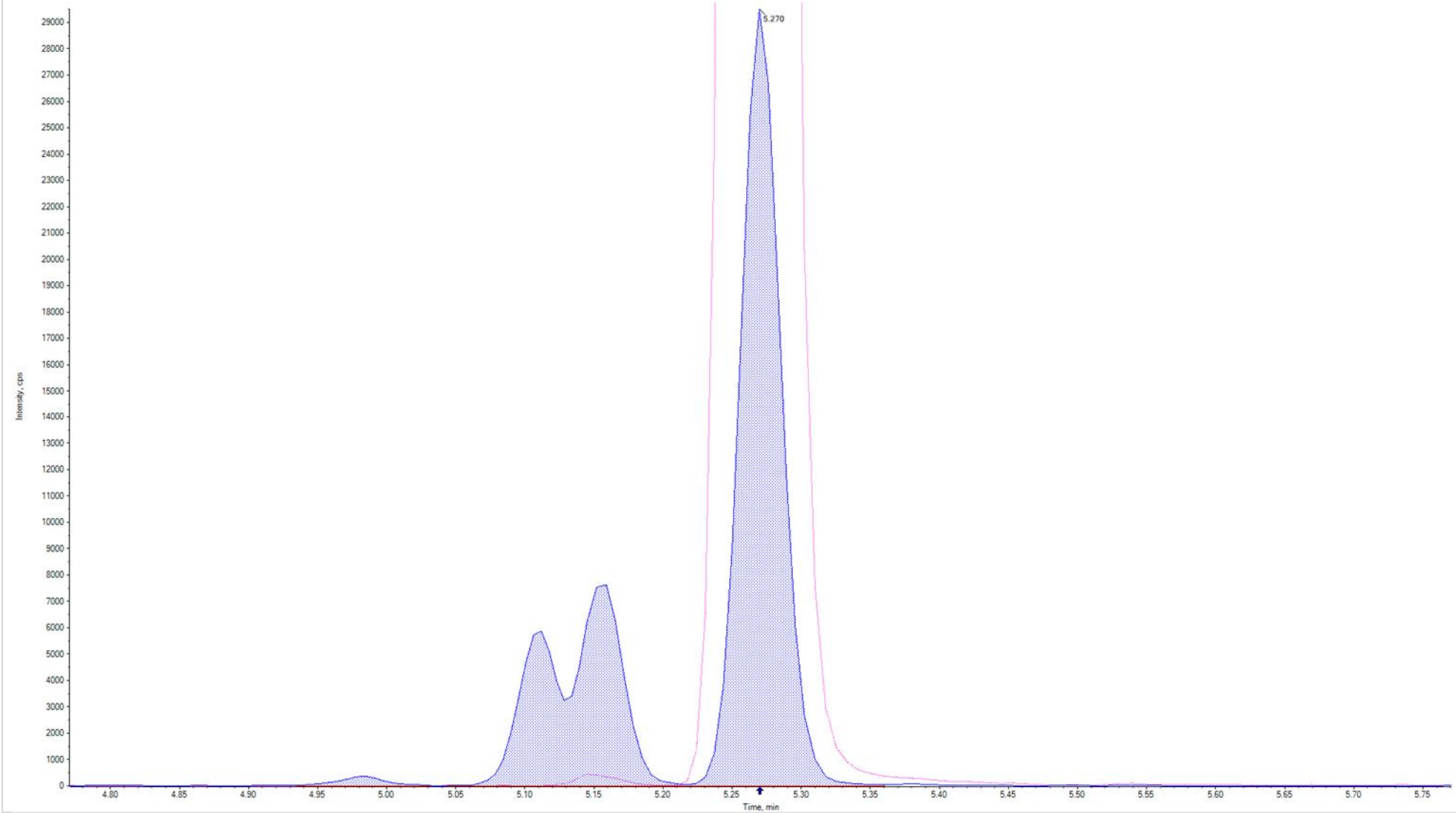
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

8:2FTS_2
Sample: IA1633STD-0.5 S/N:461.7 Points Across peak:26



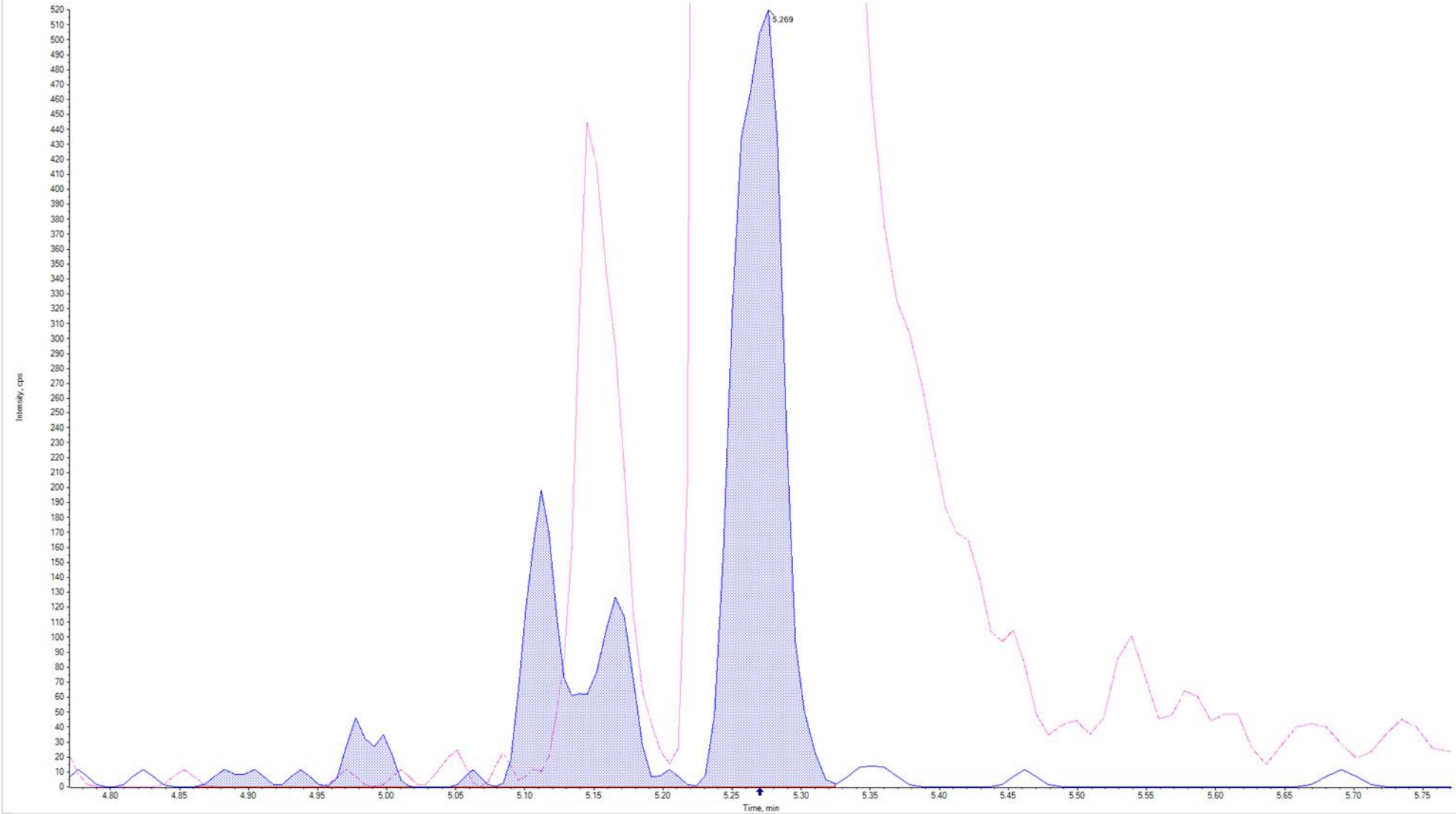
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOSA
Sample: IA1633STD-0.5 S/N:259.3 Points Across peak:68



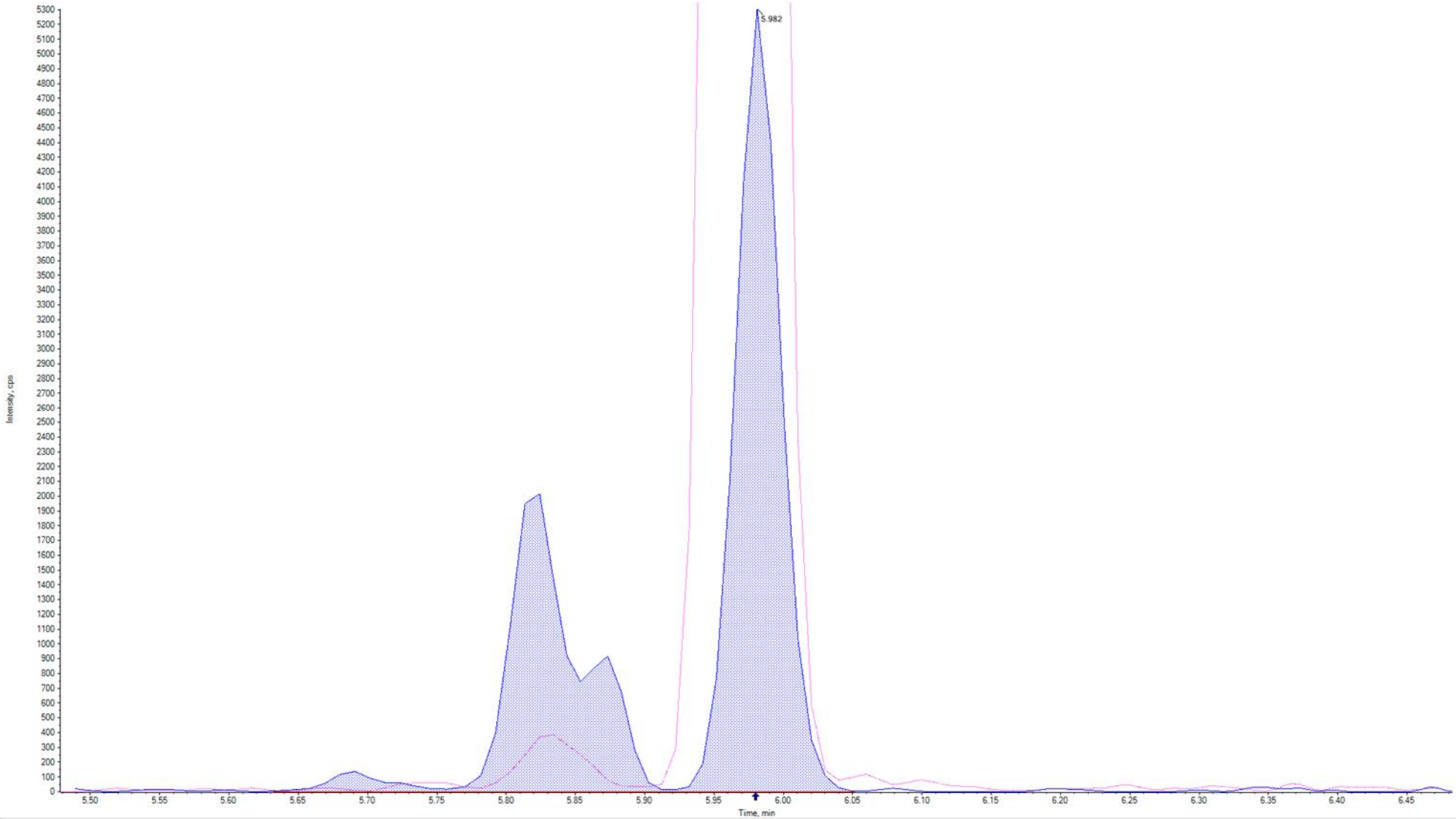
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOSA_2
Sample: IA1633STD-0.5 S/N:45.6 Points Across peak:75



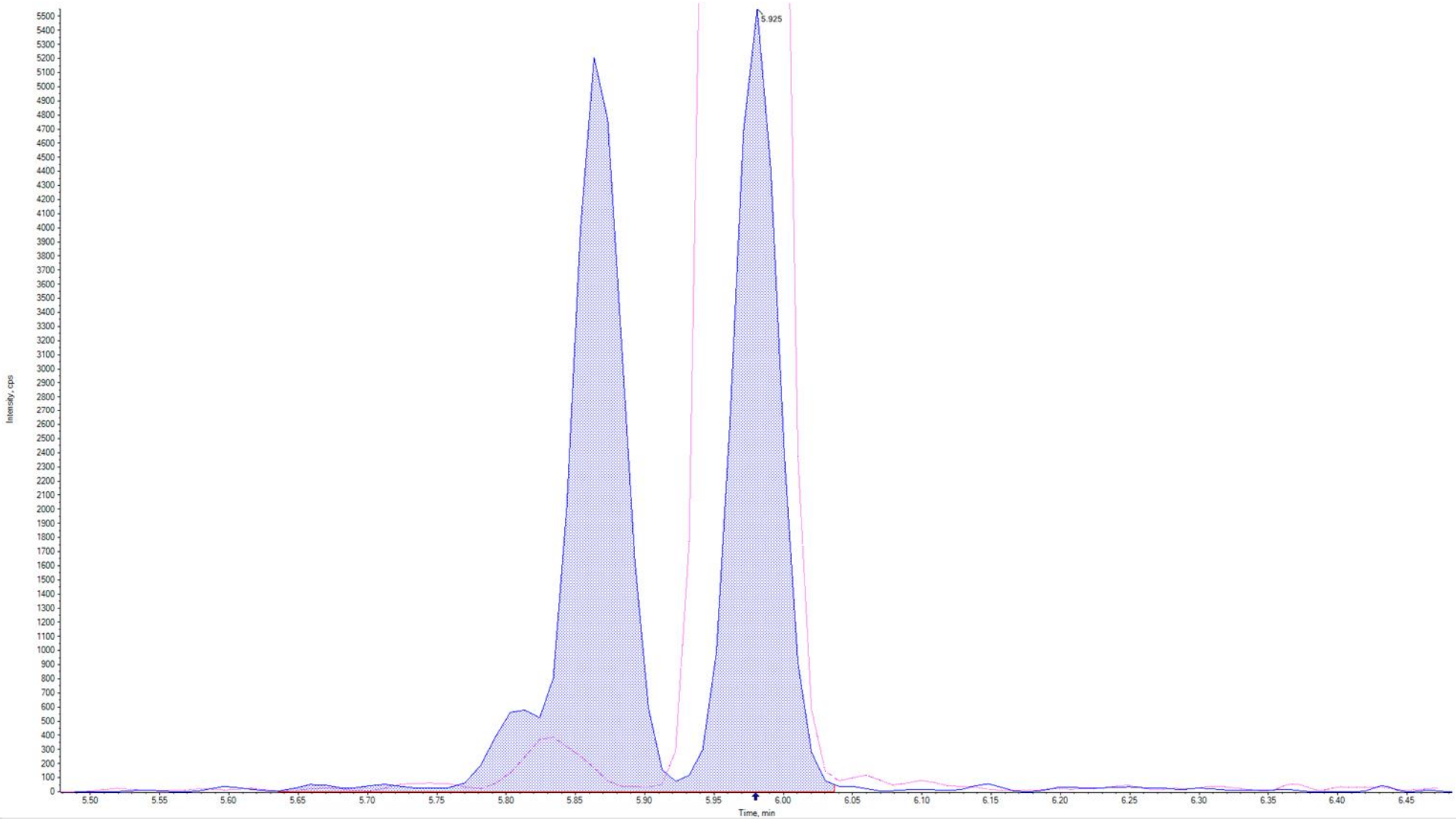
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSA
Sample: IA1633STD-0.5 S/N:218.4 Points Across peak:43

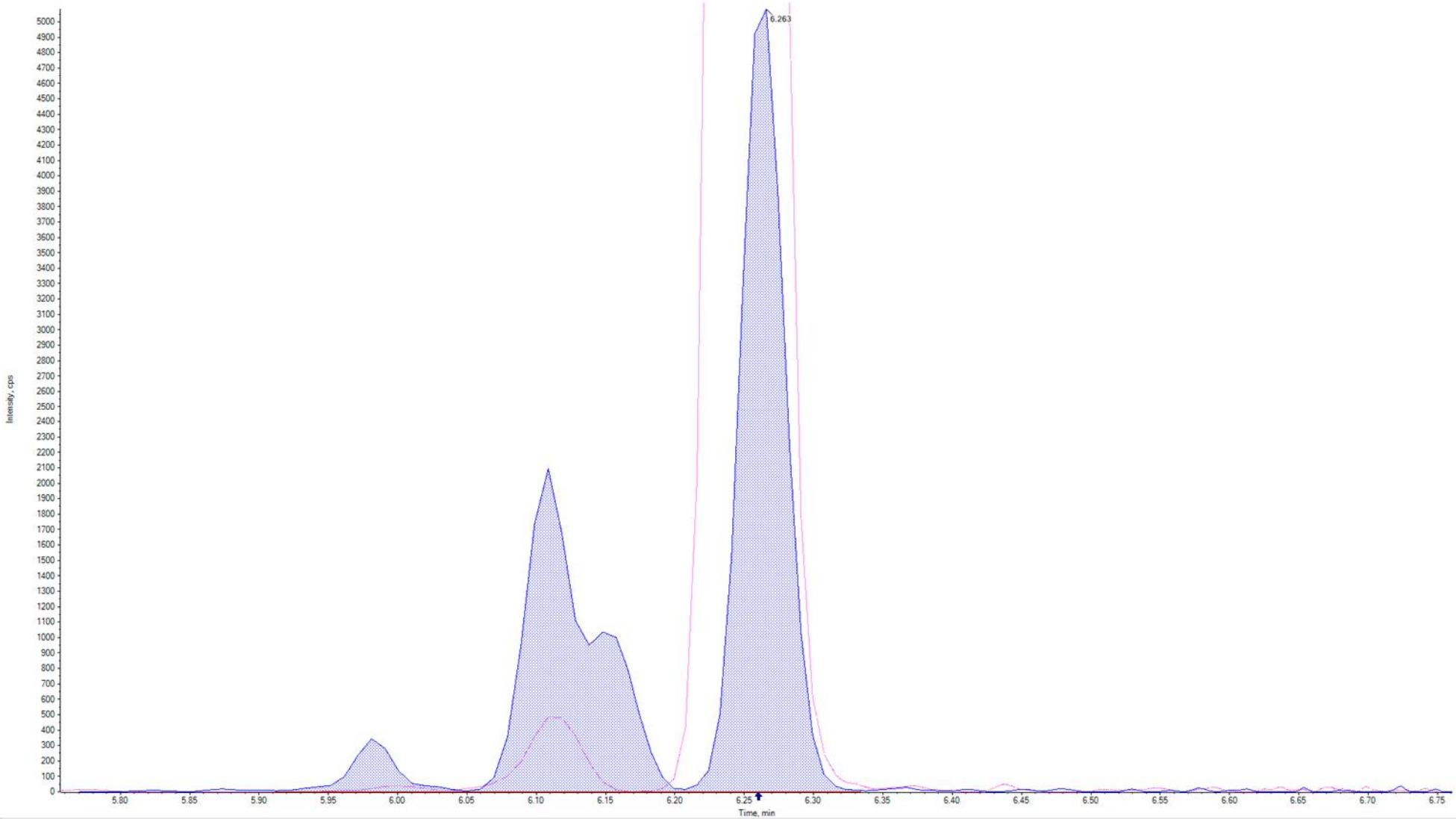


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSA_2
Sample: IA1633STD-0.5 S/N:178.9 Points Across peak:41

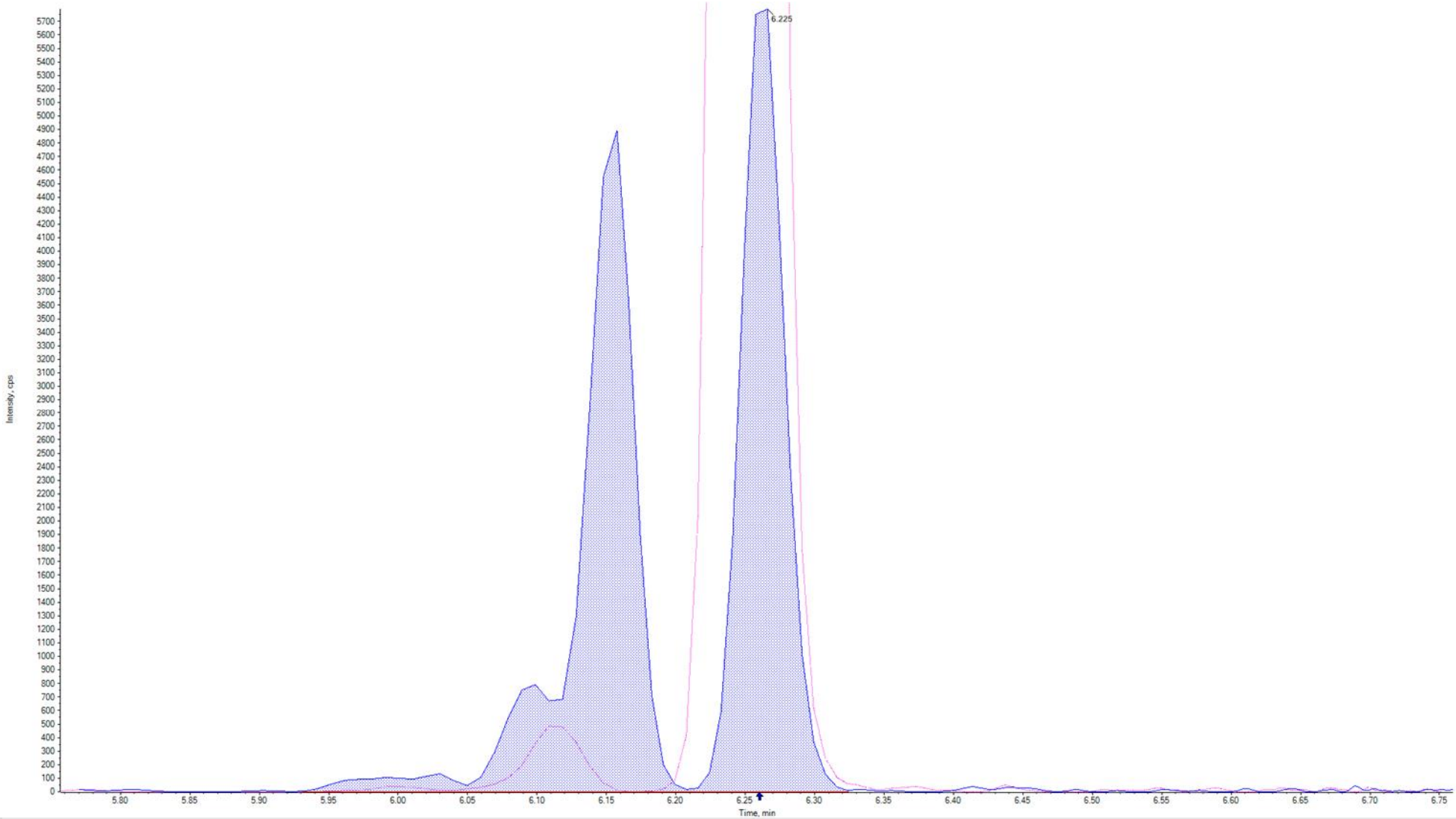


NEtFOSA
Sample: IA1633STD-0.5 S/N:357.3 Points Across peak:49



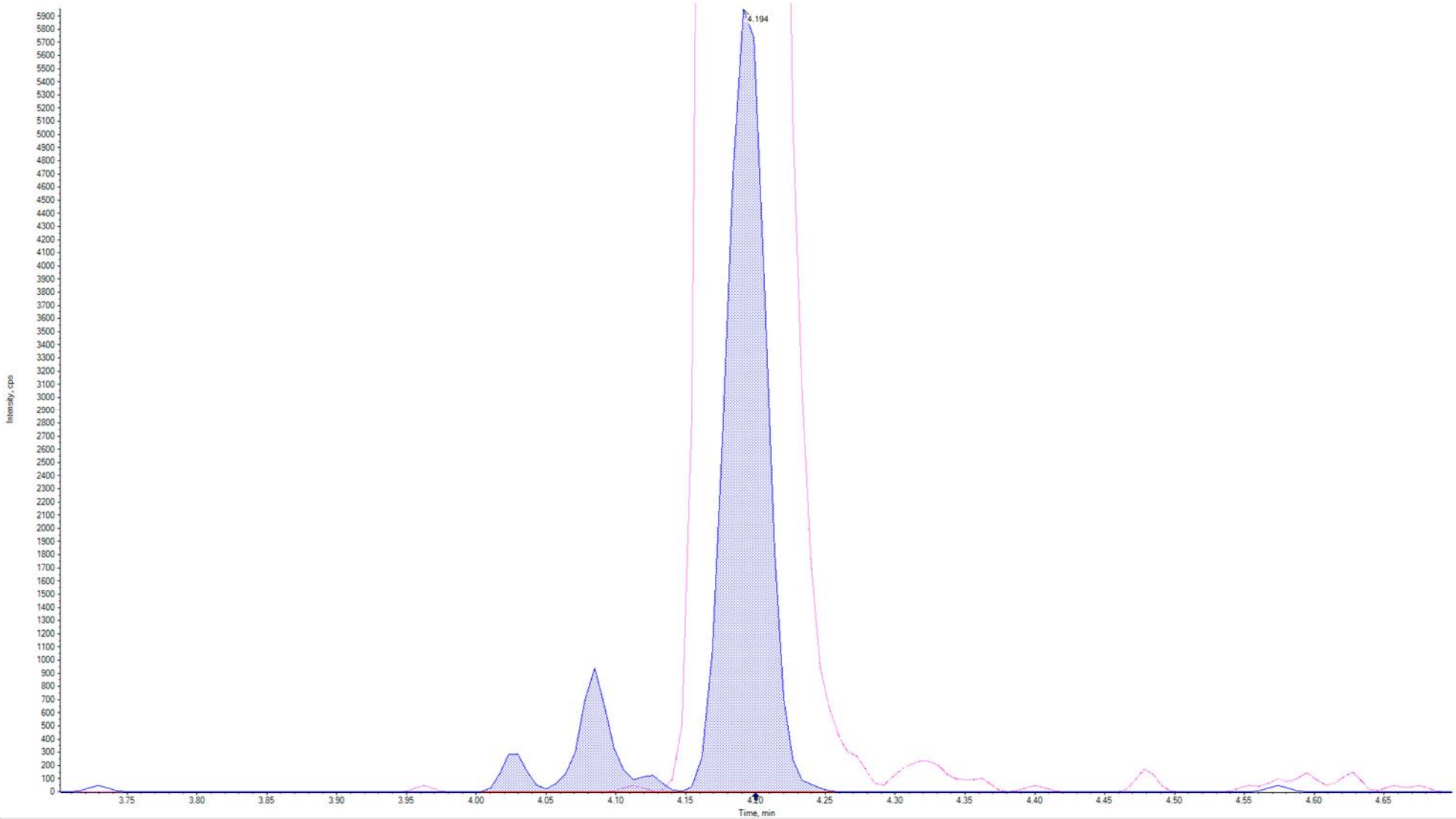
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSA_2
Sample: IA1633STD-0.5 S/N:401.3 Points Across peak:46



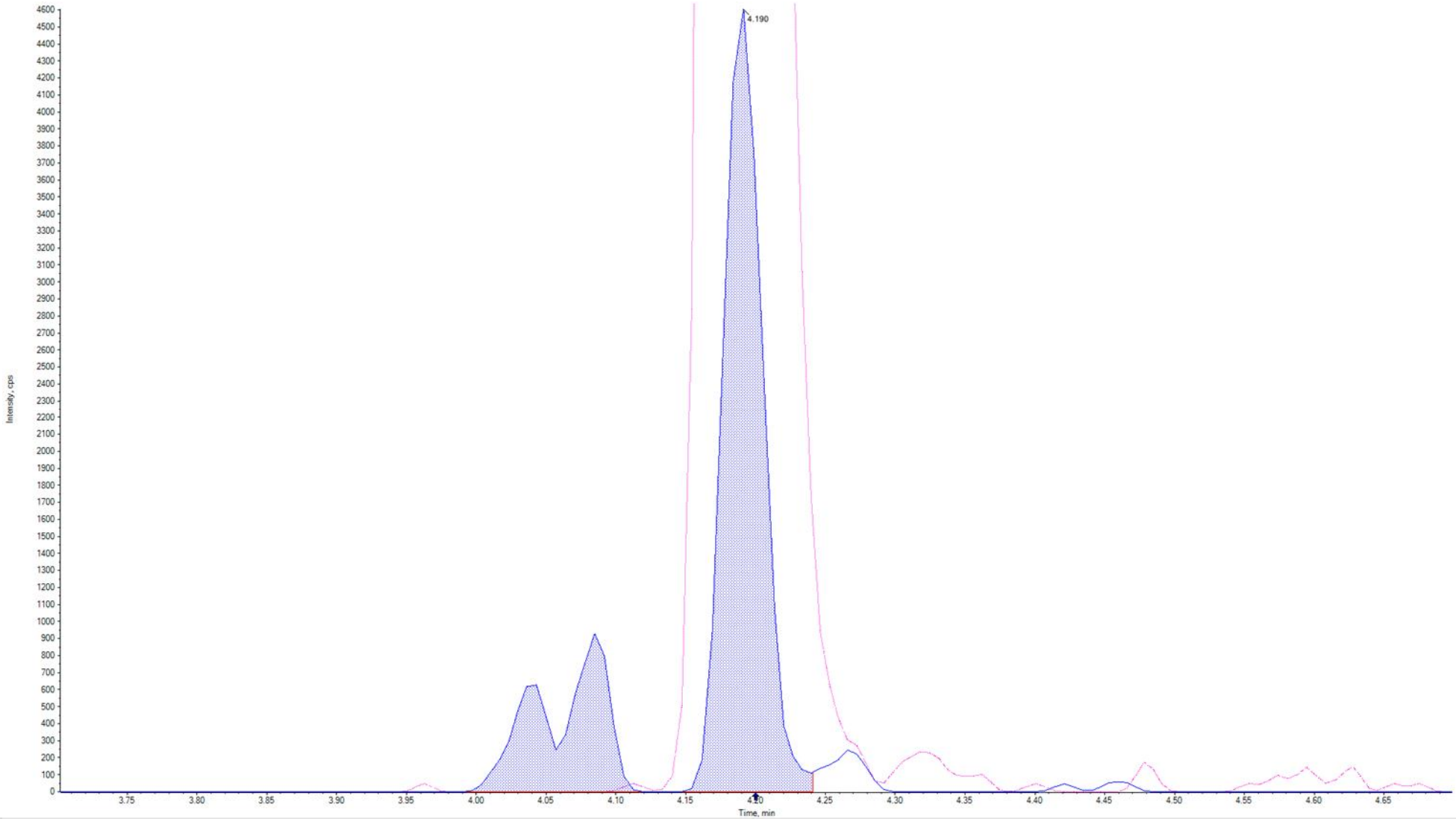
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSAA
Sample: IA1633STD-0.5 S/N:119.4 Points Across peak:48



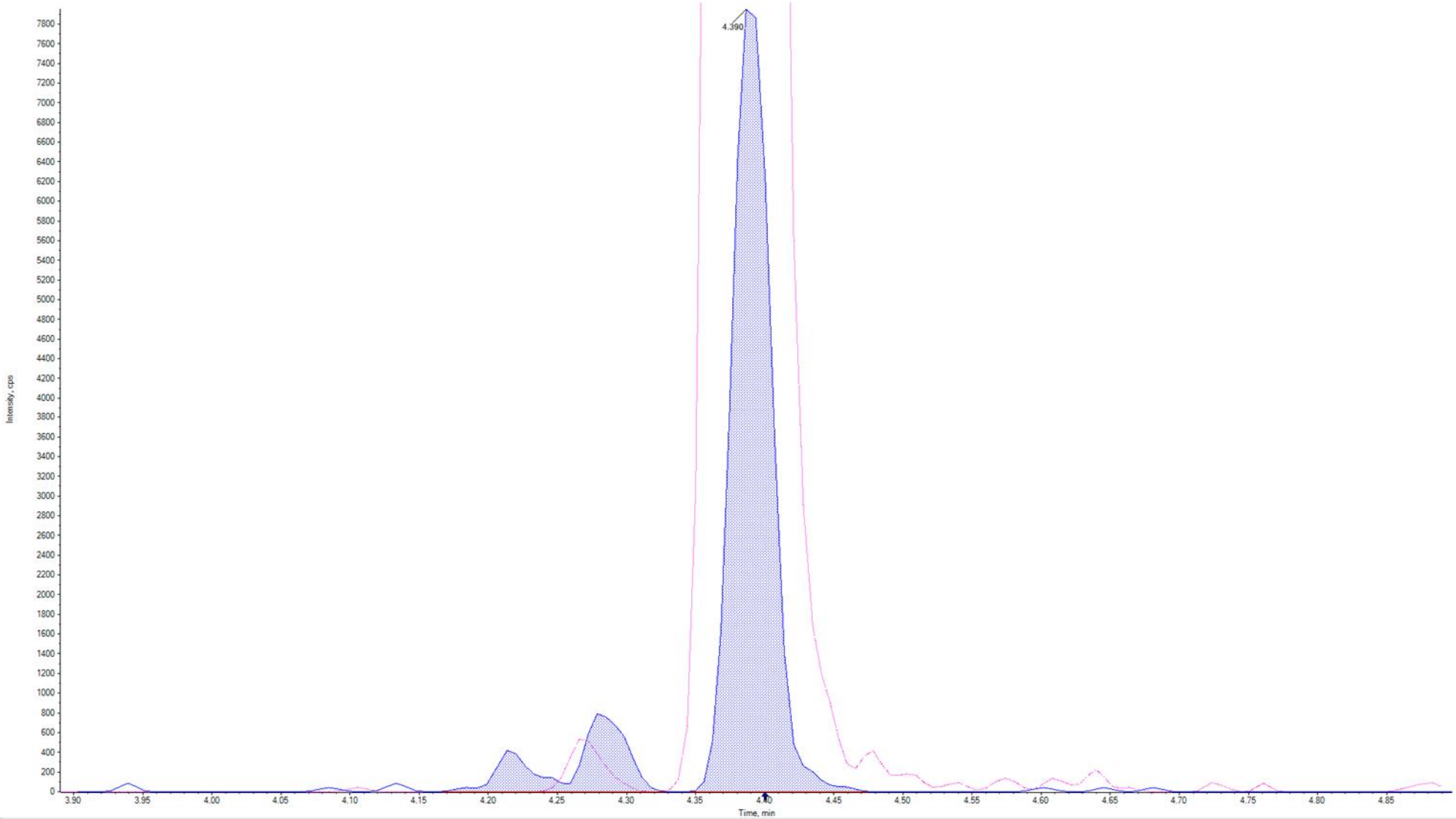
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSAA_2
Sample: IA1633STD-0.5 S/N:92.3 Points Across peak:39



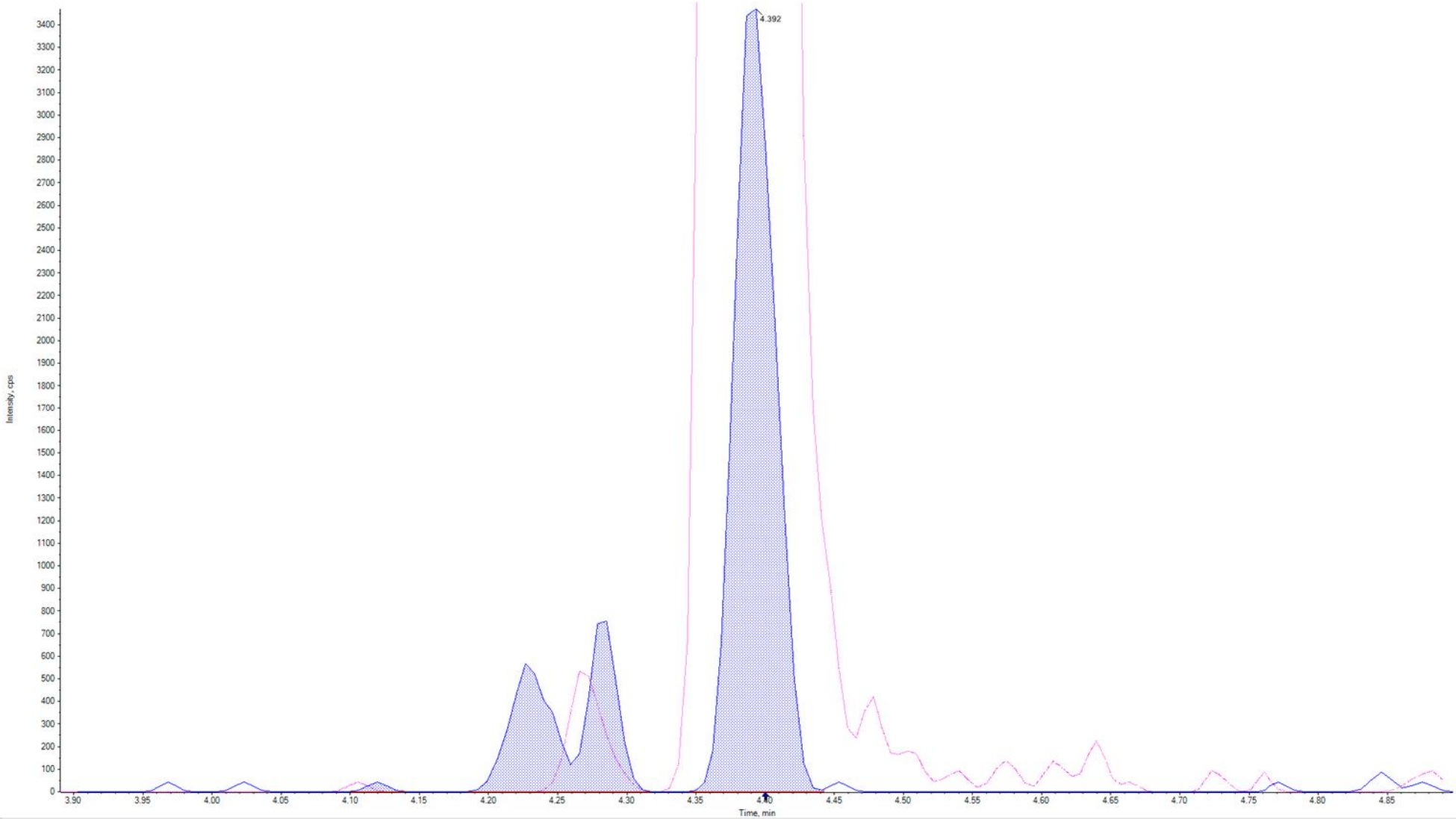
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSAA
Sample: IA1633STD-0.5 S/N:179.4 Points Across peak:49



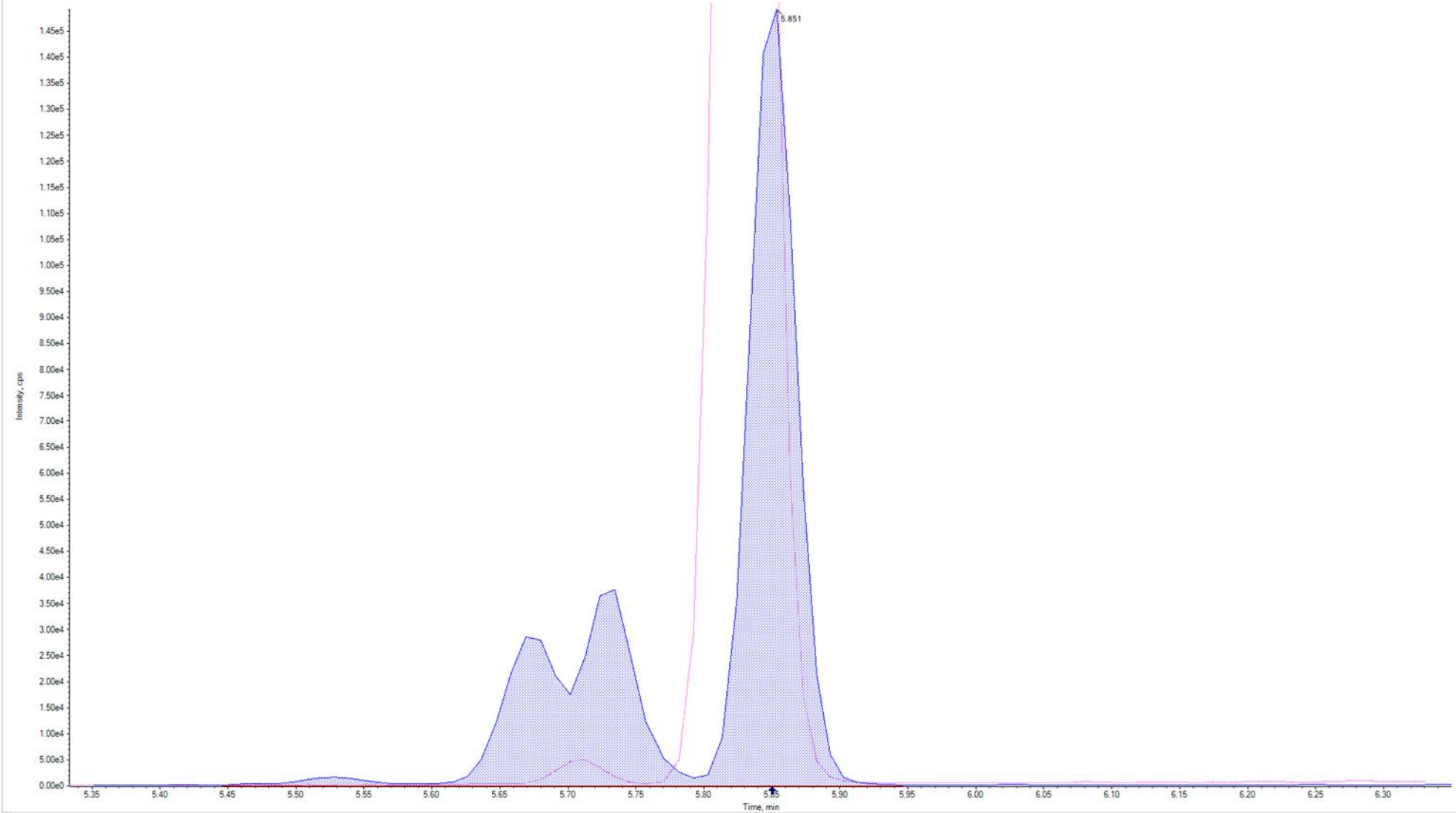
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSAA_2
Sample: IA1633STD-0.5 S/N:78.3 Points Across peak:55



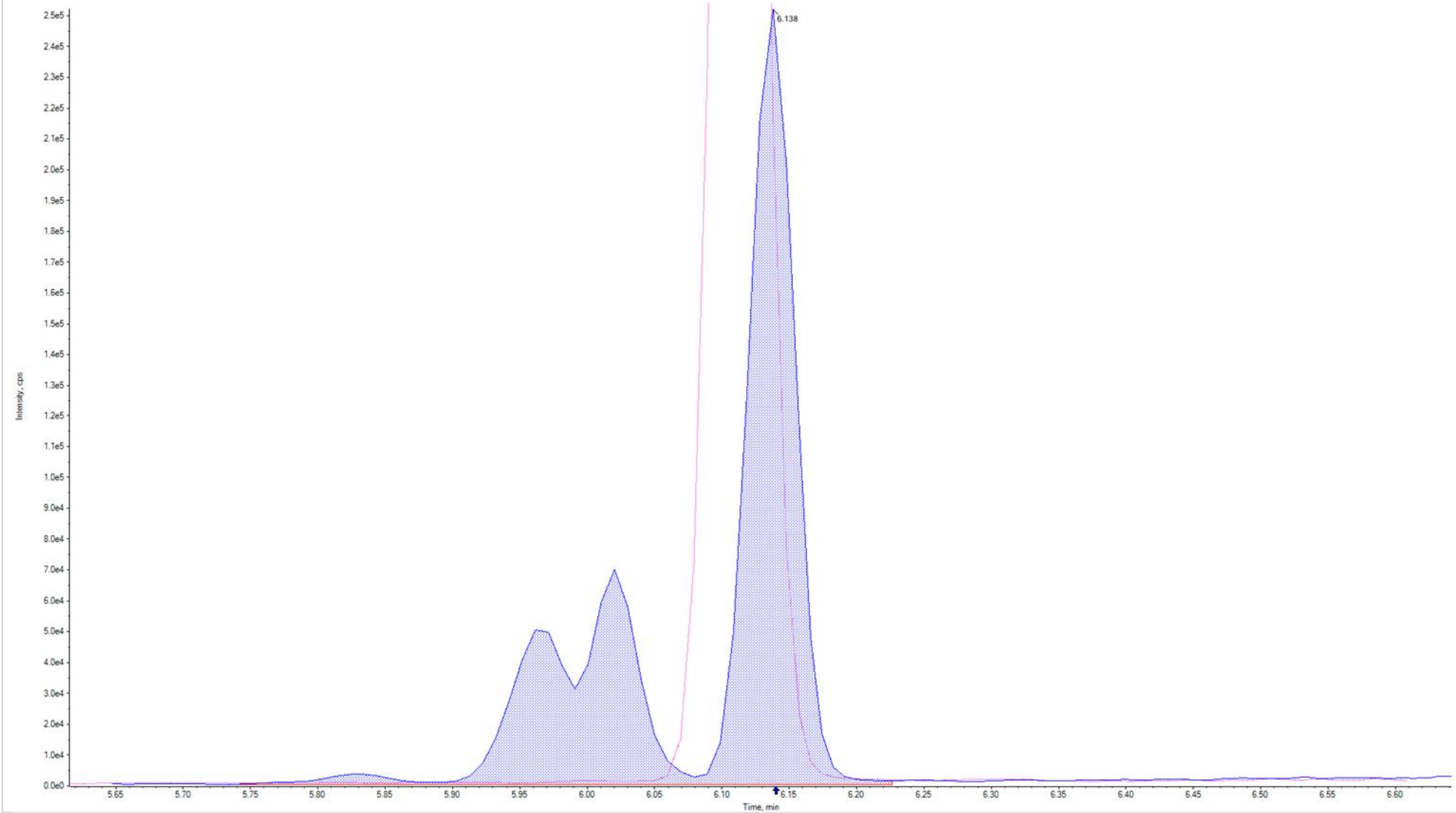
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSE
Sample: IA1633STD-0.5 S/N:236.3 Points Across peak:51



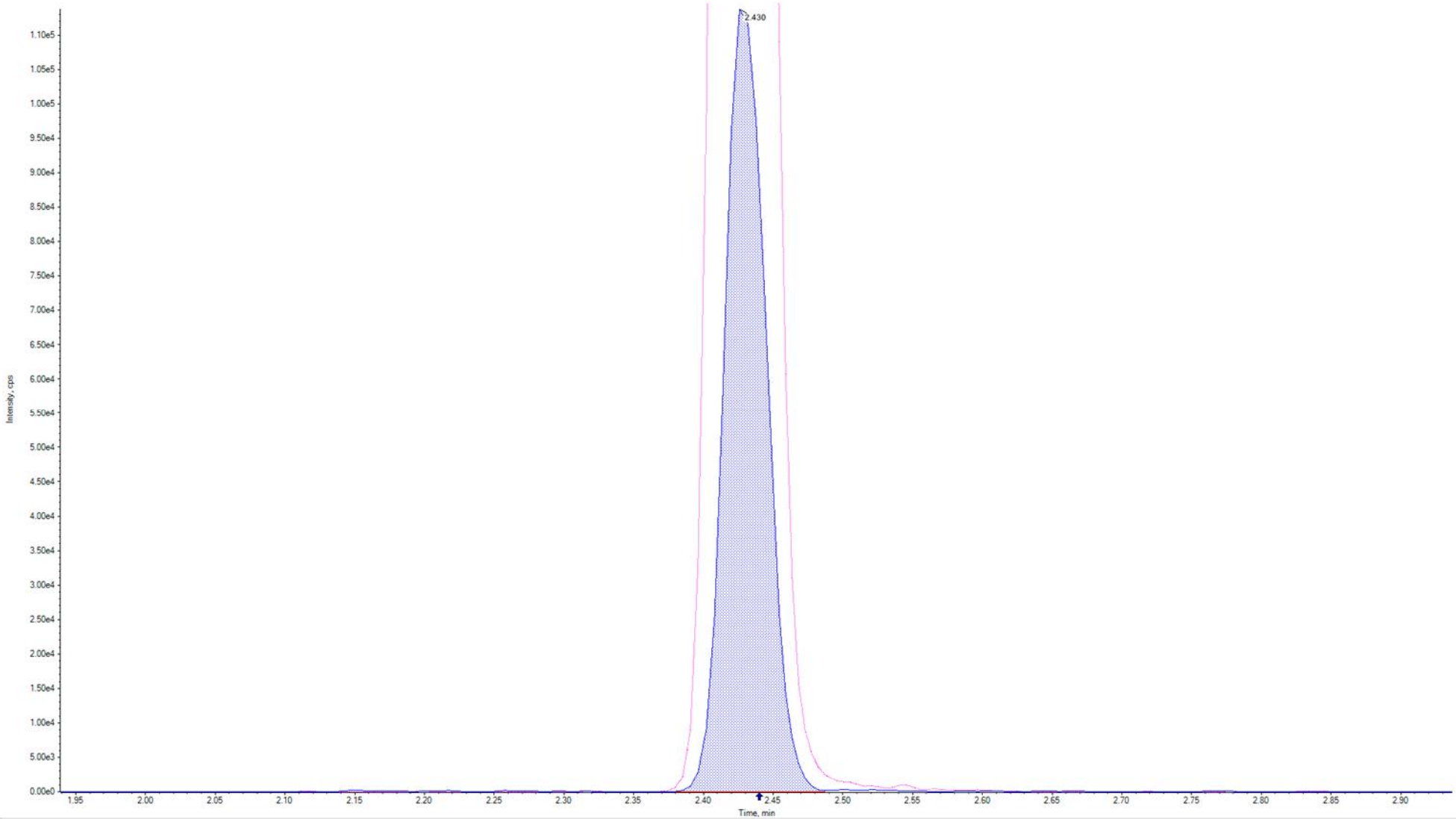
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSE
Sample: IA1633STD-0.5 S/N:236.9 Points Across peak:52



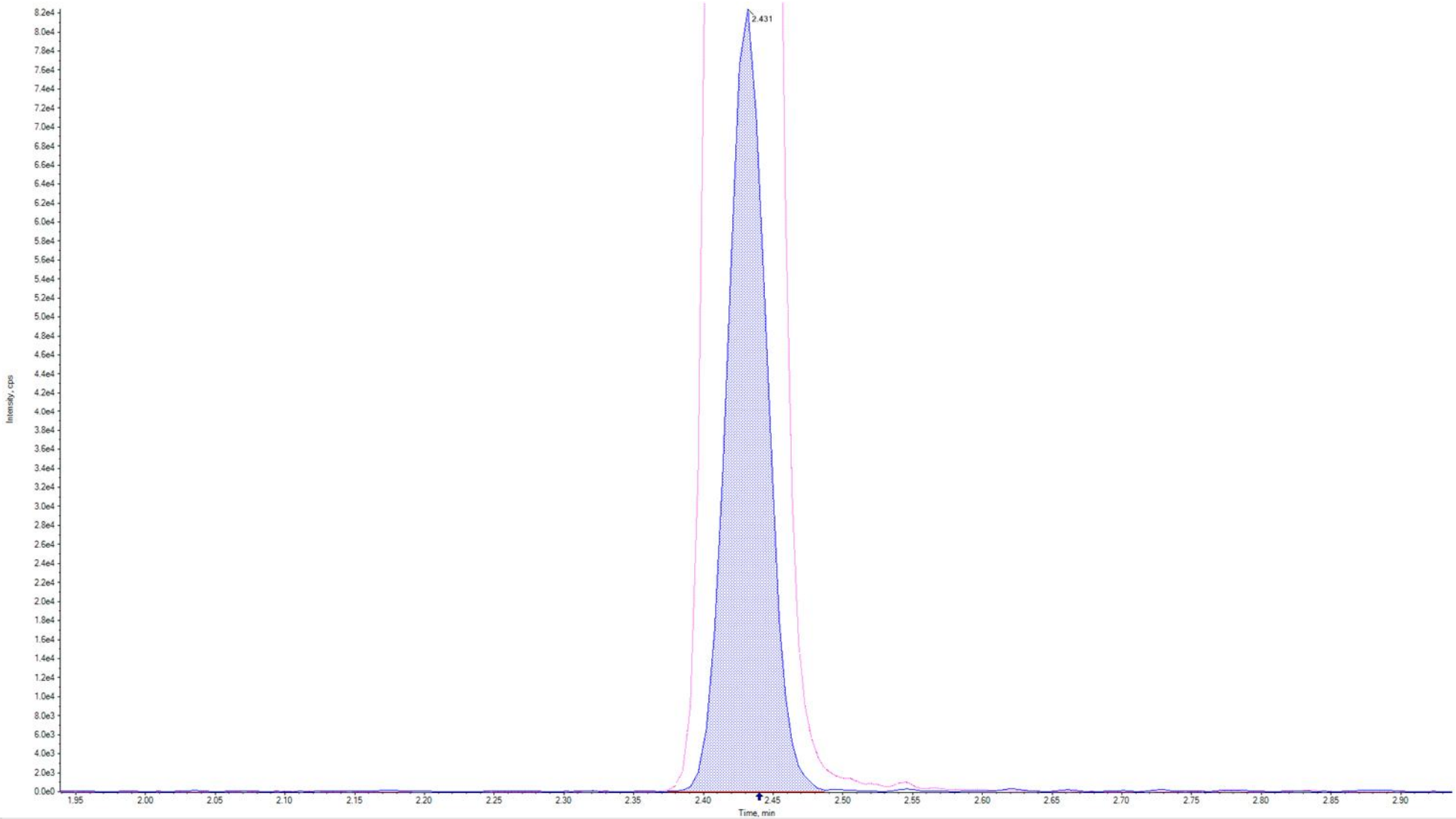
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

HFPO-DA
Sample: IA1633STD-0.5 S/N:2566.5 Points Across peak:23



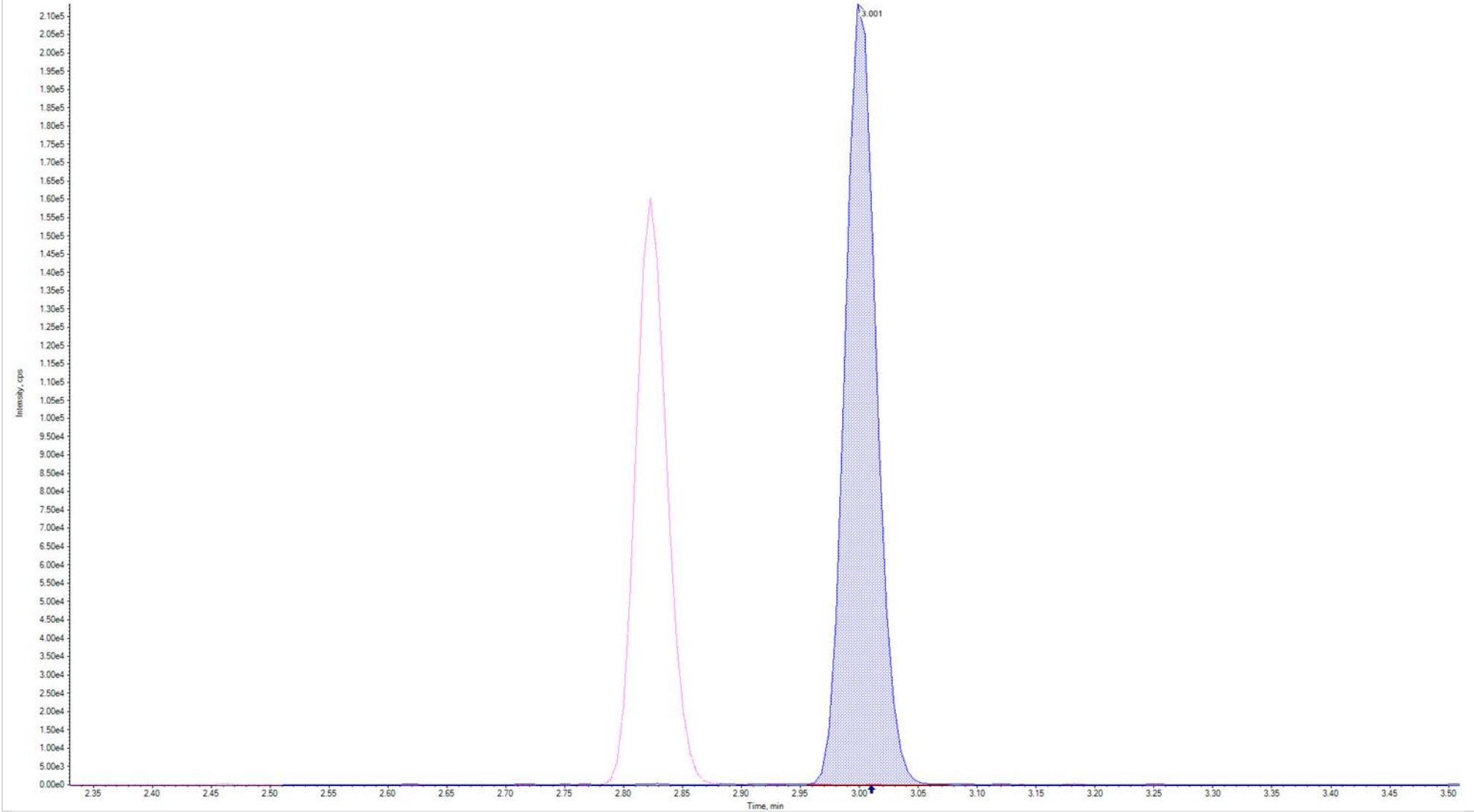
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

HFPO-DA_2
Sample: IA1633STD-0.5 S/N:1858.4 Points Across peak:23



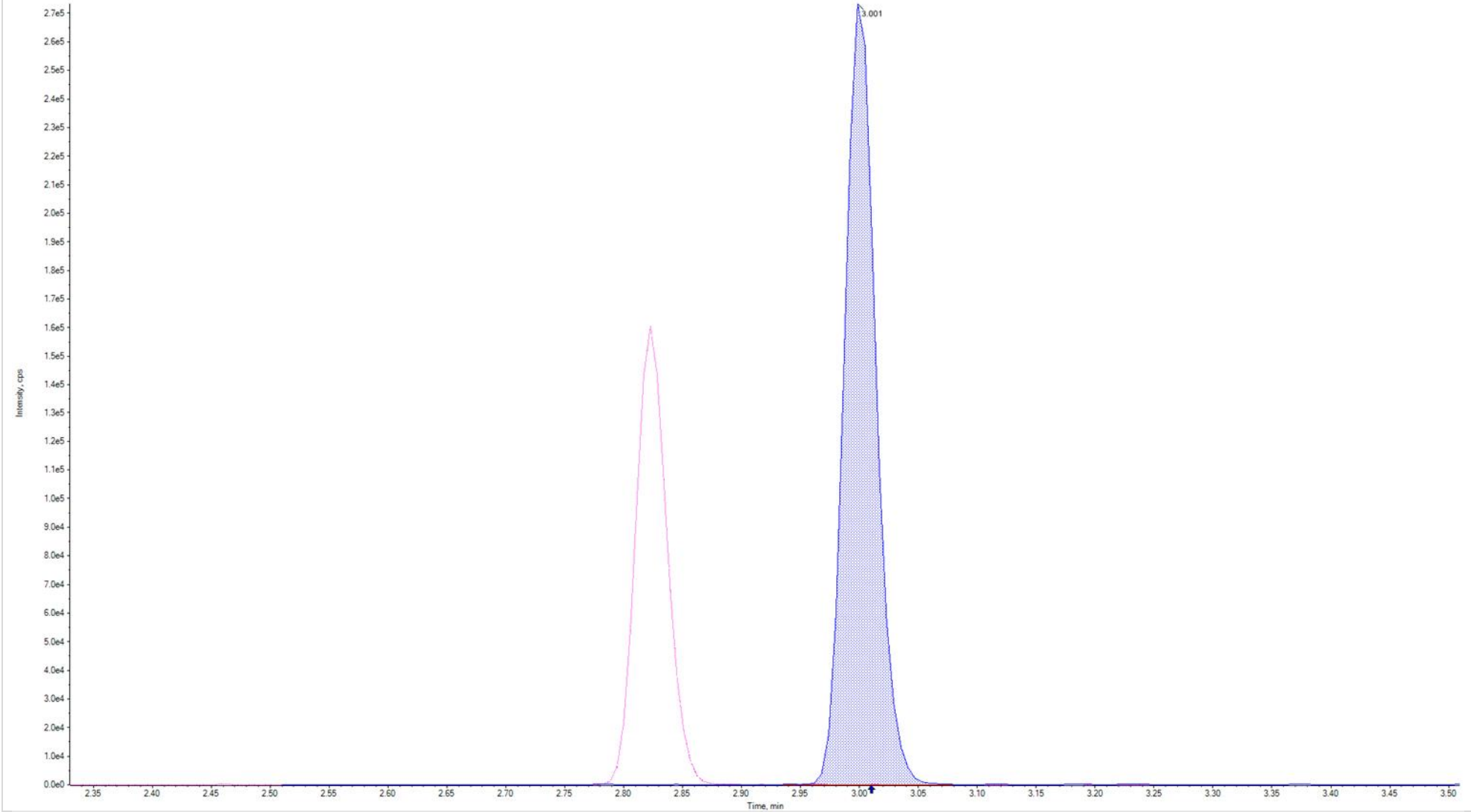
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

ADONA
Sample: IA1633STD-0.5 S/N:2847.9 Points Across peak:21



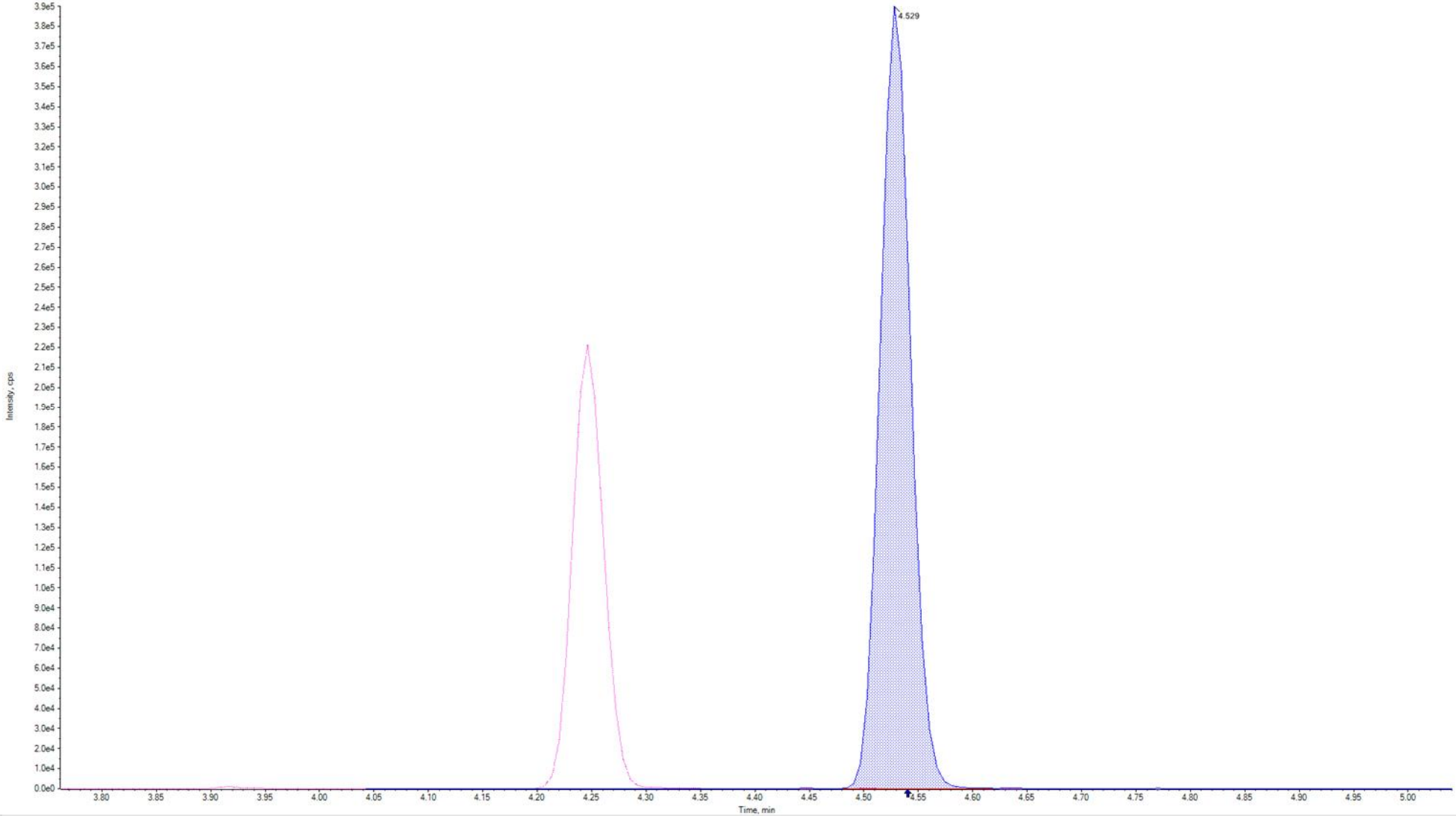
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

ADONA_2
Sample: IA1633STD-0.5 S/N:5479.0 Points Across peak:30



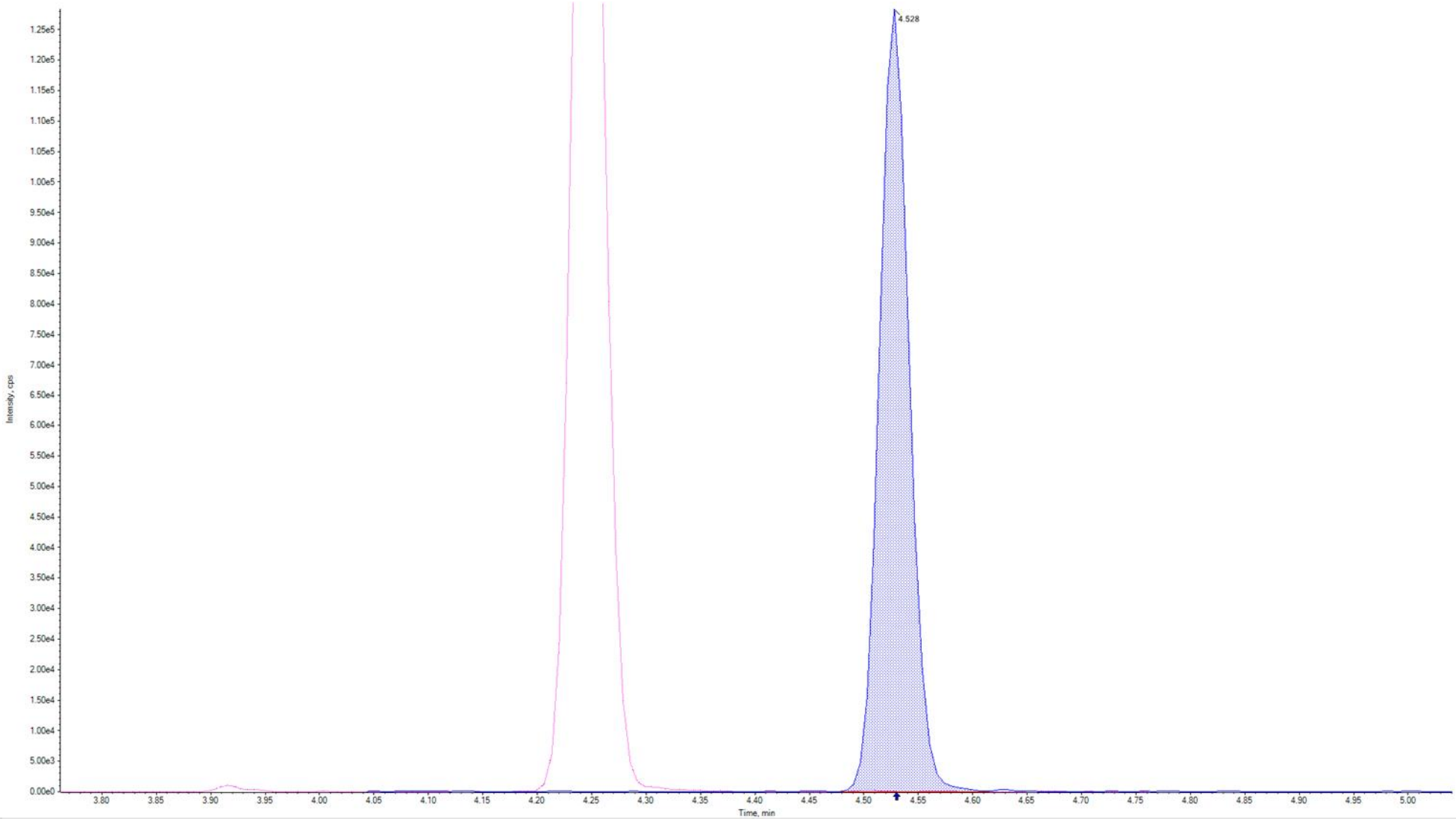
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

9Cl-PF3ONS
Sample: IA1633STD-0.5 S/N:4584.2 Points Across peak:25



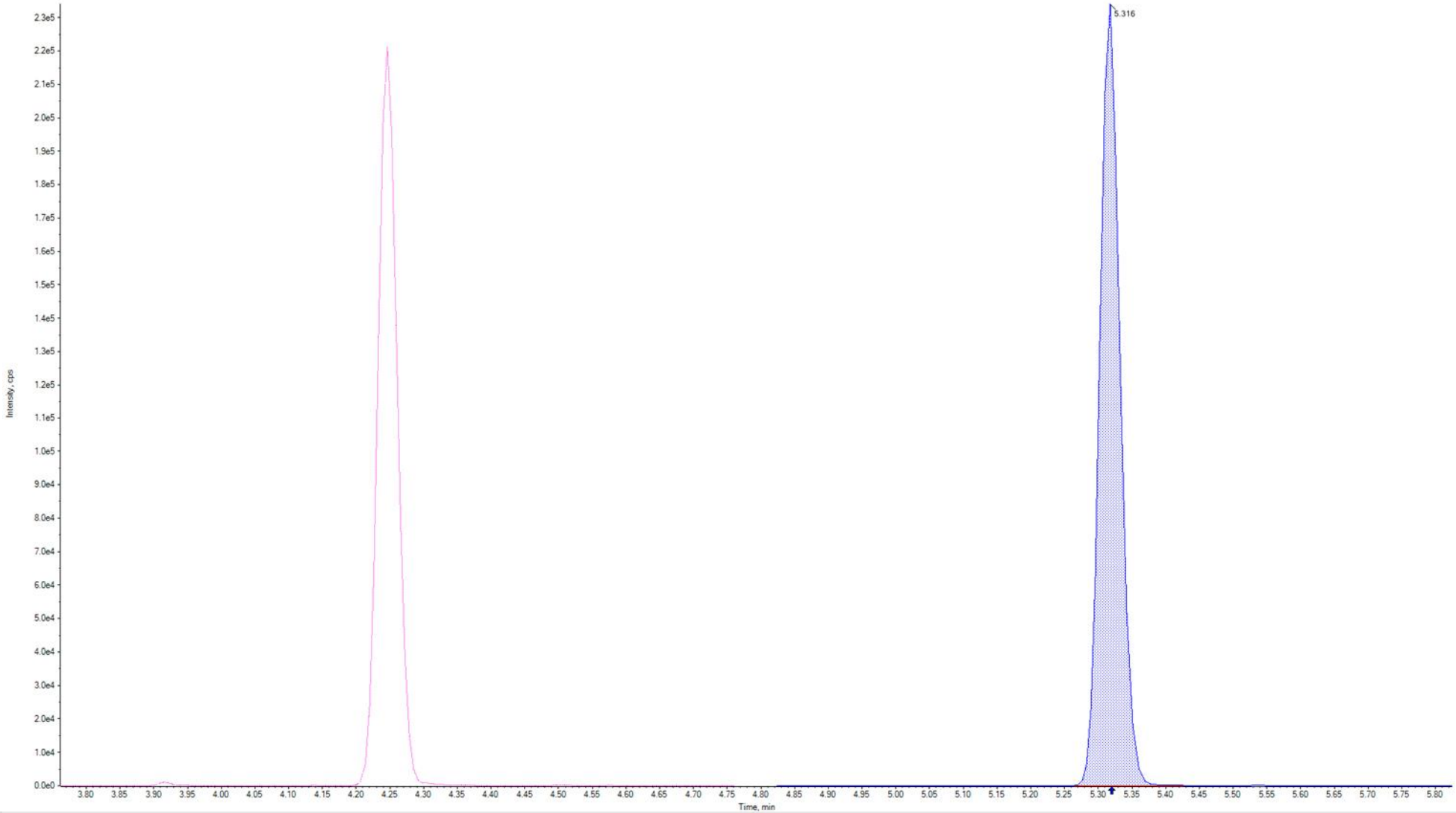
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

9Cl-PF3ONS_2
Sample: IA1633STD-0.5 S/N:2894.7 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

11Cl-PF3OUdS
Sample: IA1633STD-0.5 S/N:10244.8 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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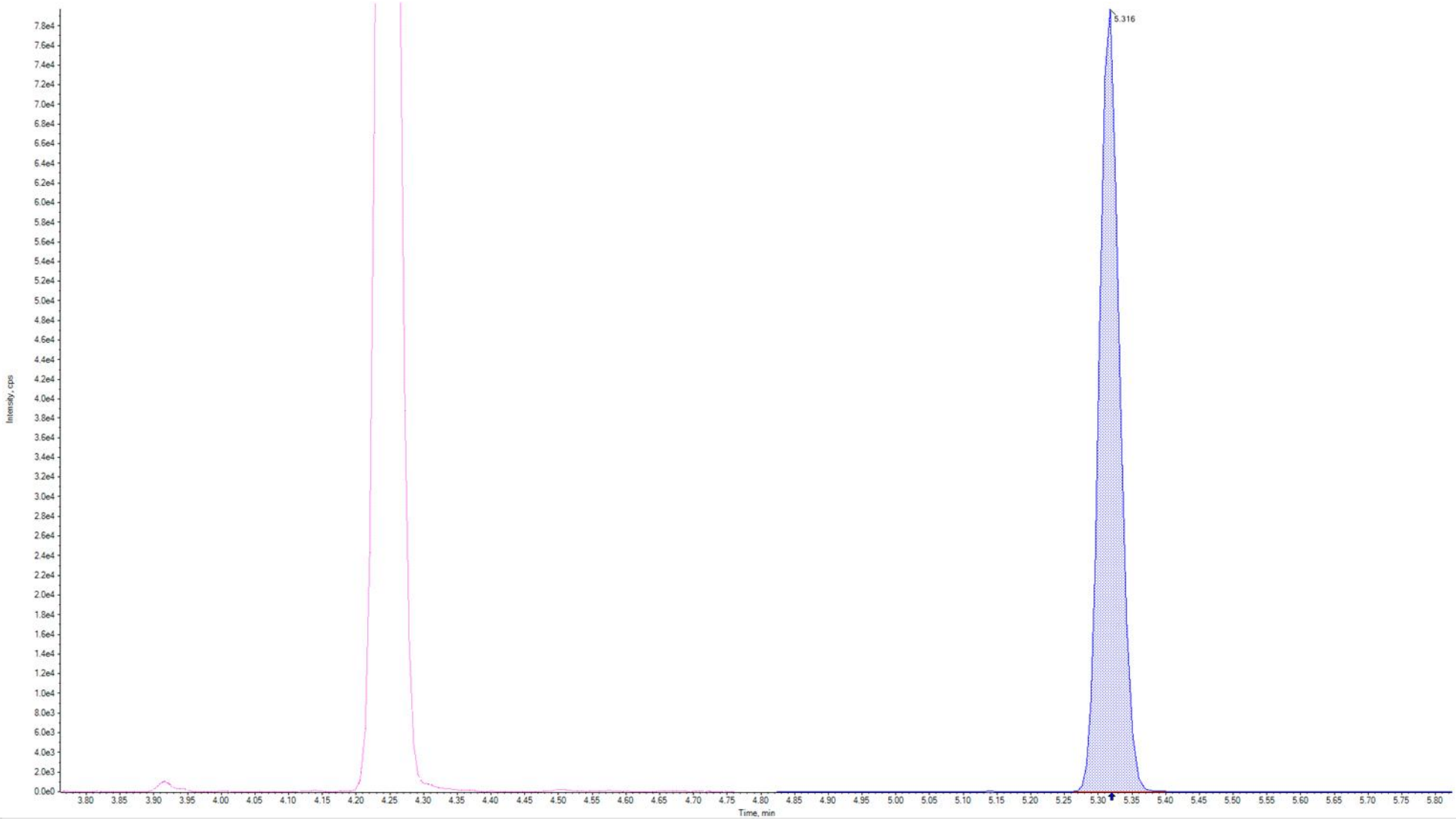
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-0.5 S/N:3795.3 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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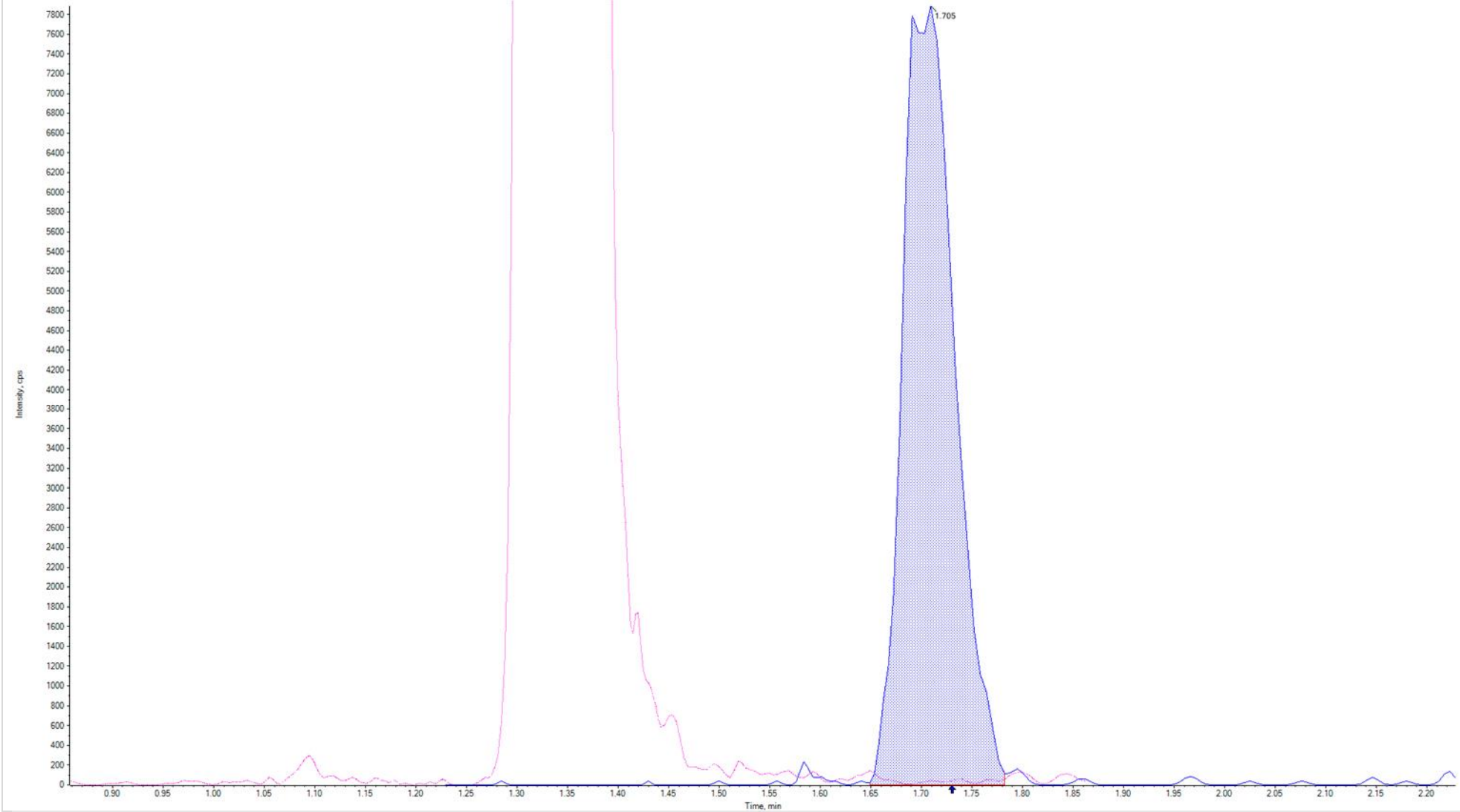
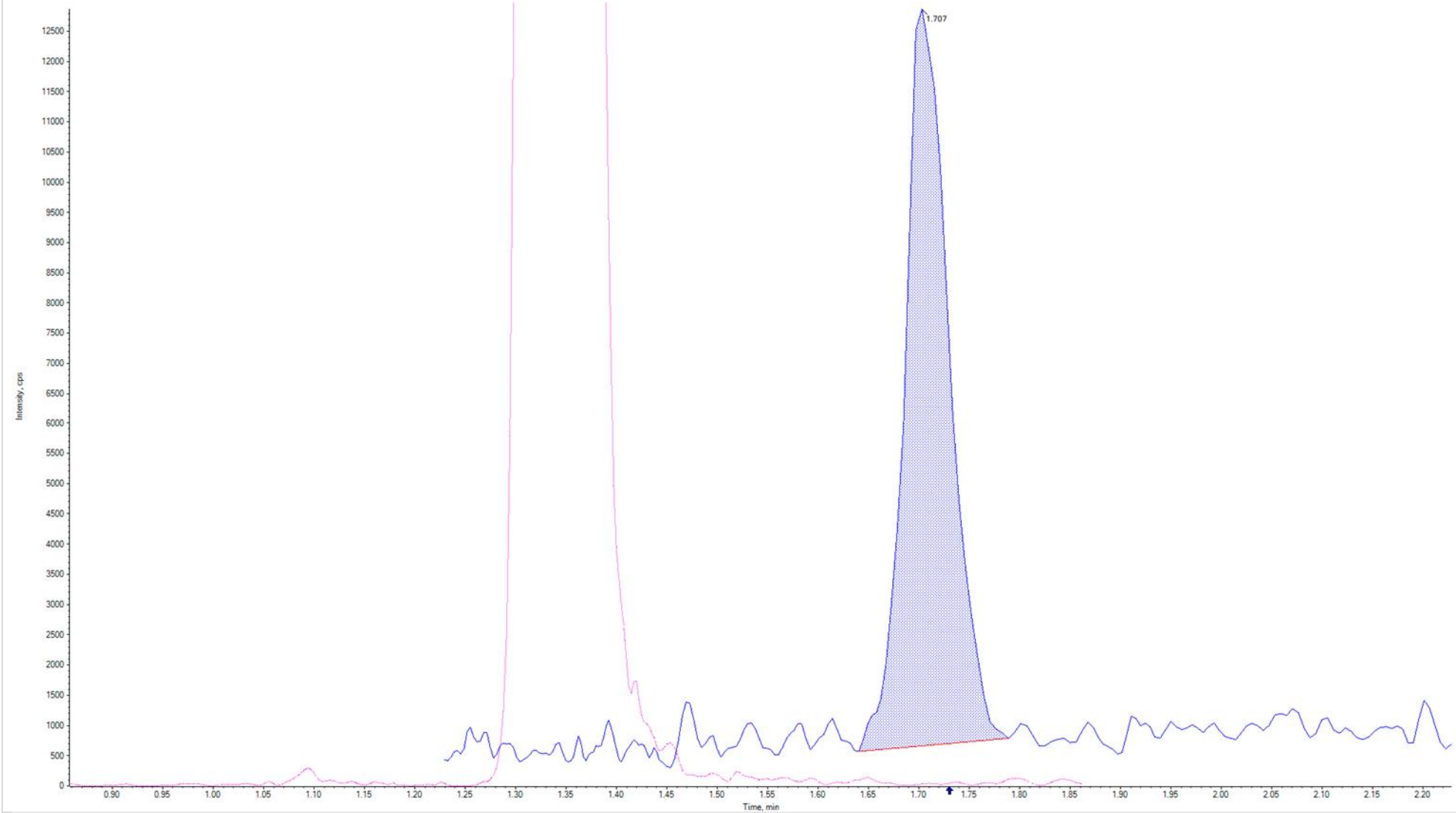
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

3:3FTCA
Sample: IA1633STD-0.5 S/N:197.6 Points Across peak:24



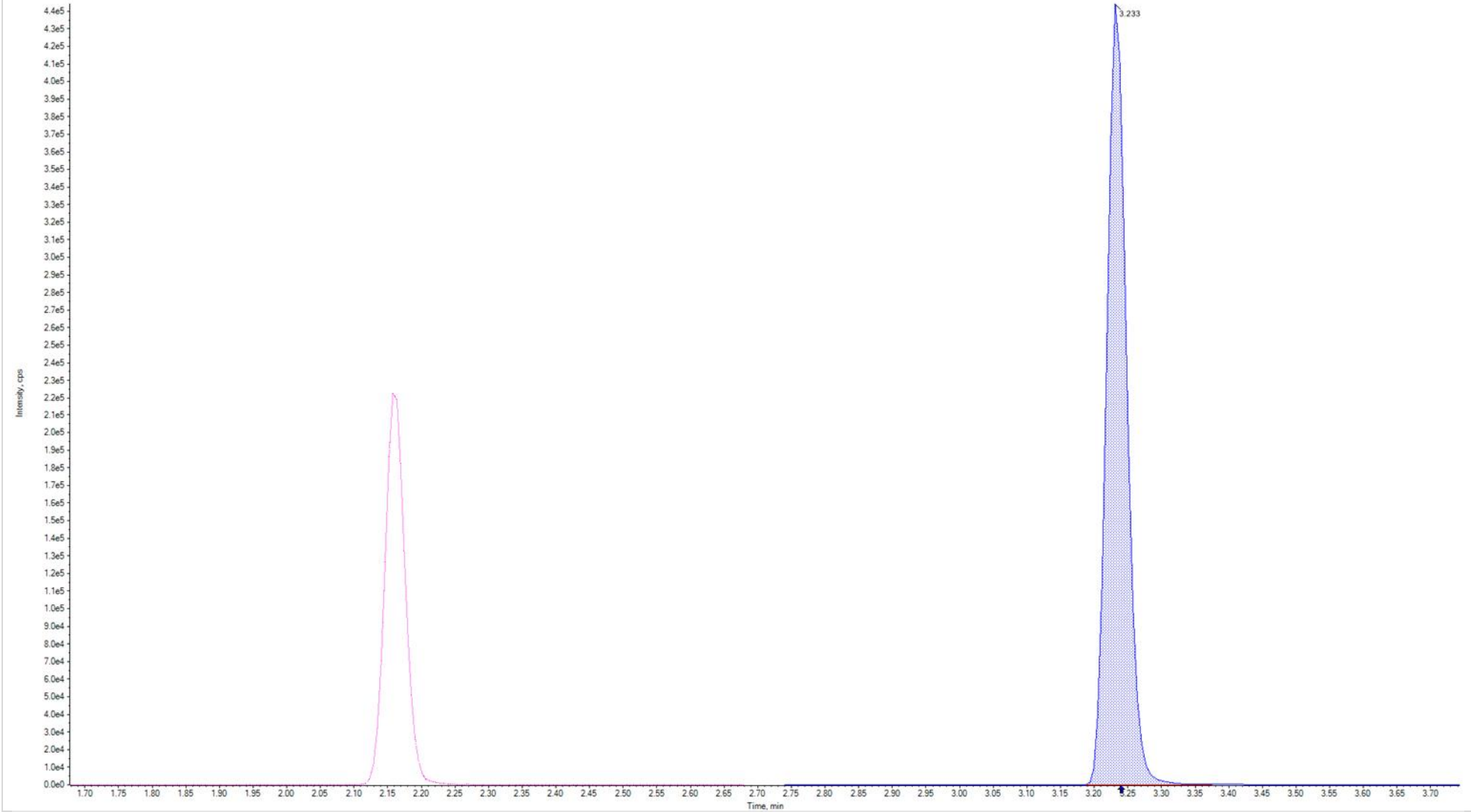
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

3:3FTCA_2
Sample: IA1633STD-0.5 S/N:165.0 Points Across peak:27



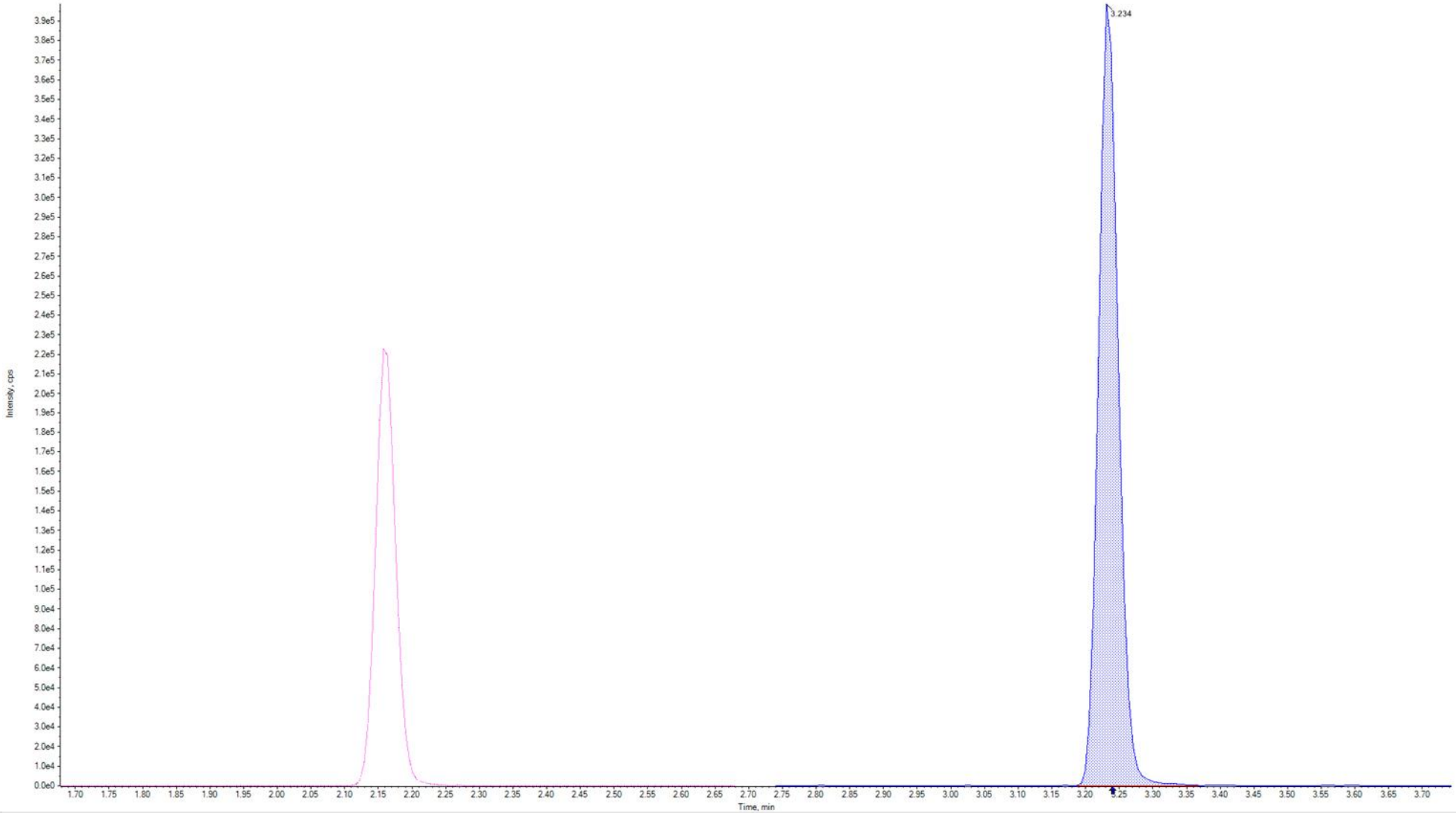
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

5:3FTCA
Sample: IA1633STD-0.5 S/N:10019.1 Points Across peak:33



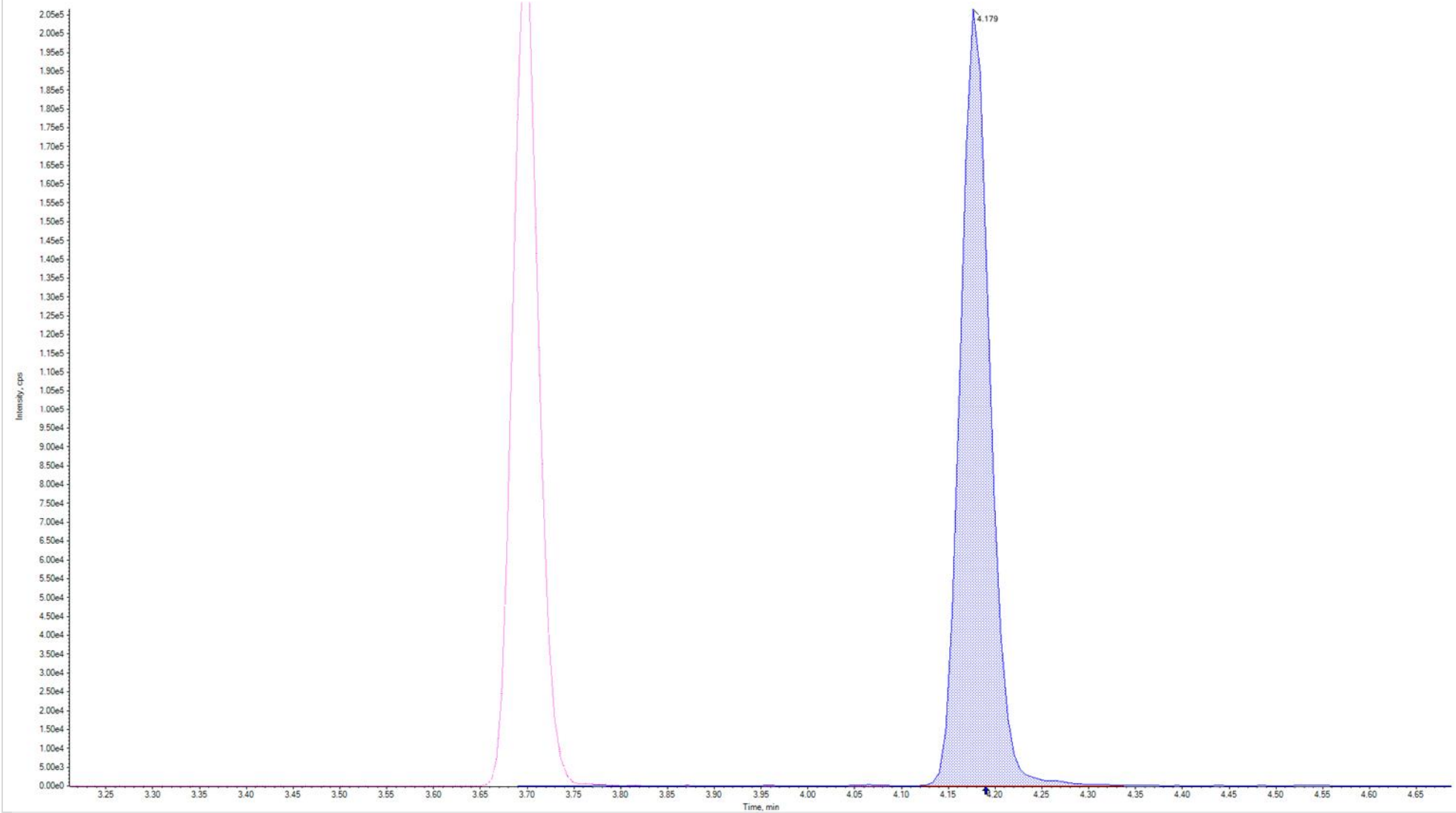
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

5:3FTCA_2
Sample: IA1633STD-0.5 S/N:8991.6 Points Across peak:31



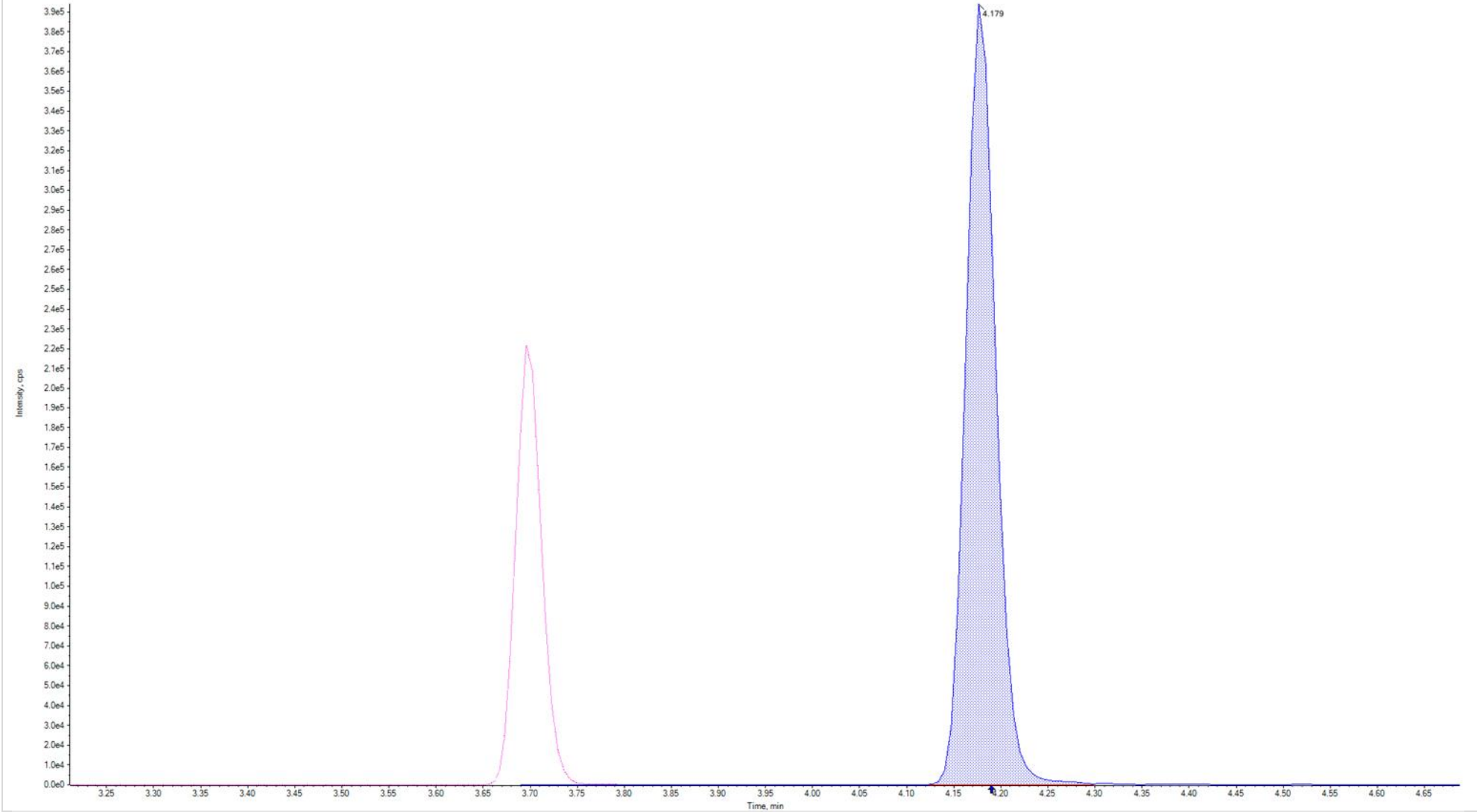
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

7:3FTCA
Sample: IA1633STD-0.5 S/N:5693.1 Points Across peak:34



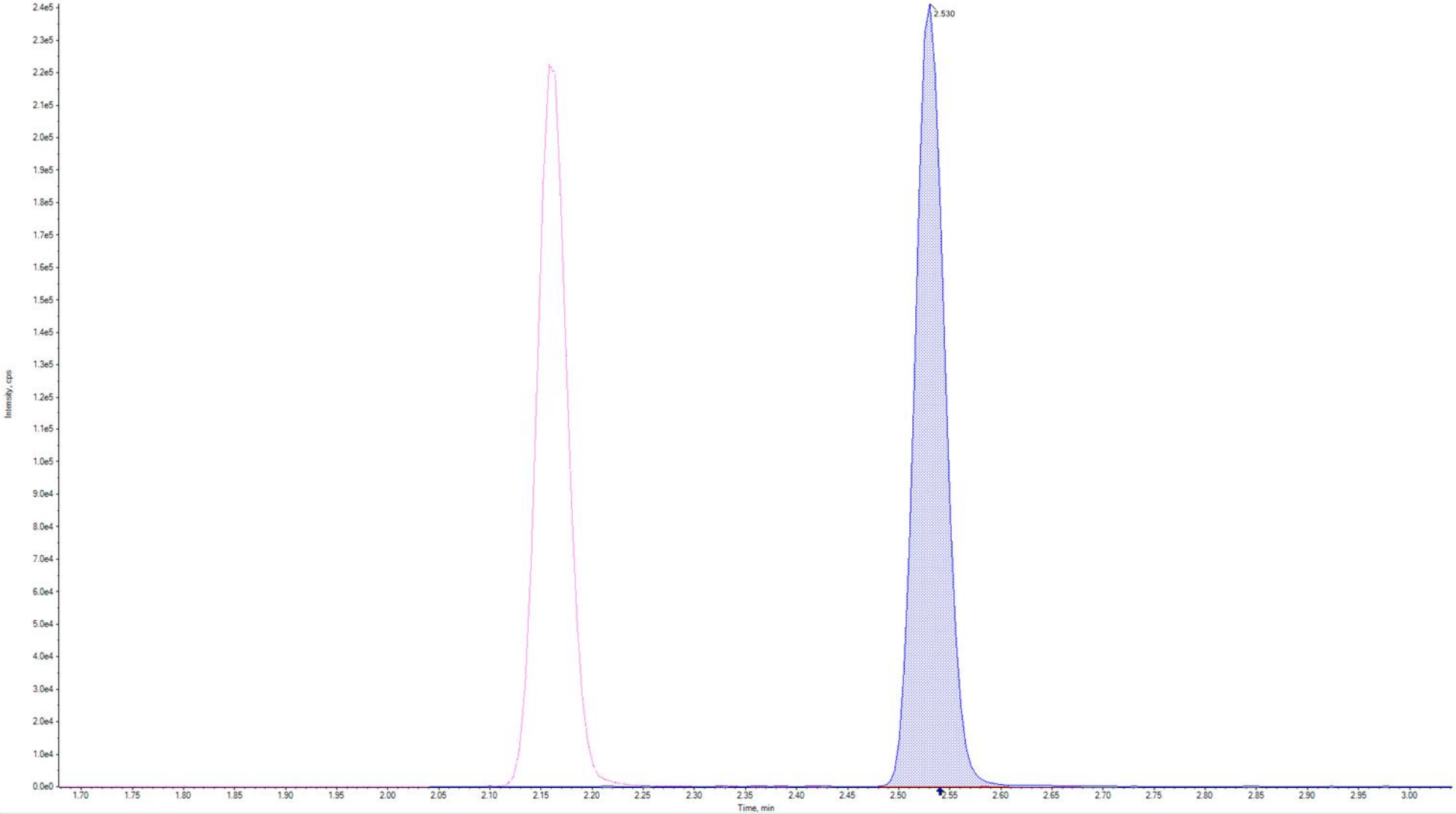
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

7:3FTCA_2
Sample: IA1633STD-0.5 S/N:10863.4 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFEESA
Sample: IA1633STD-0.5 S/N:3146.3 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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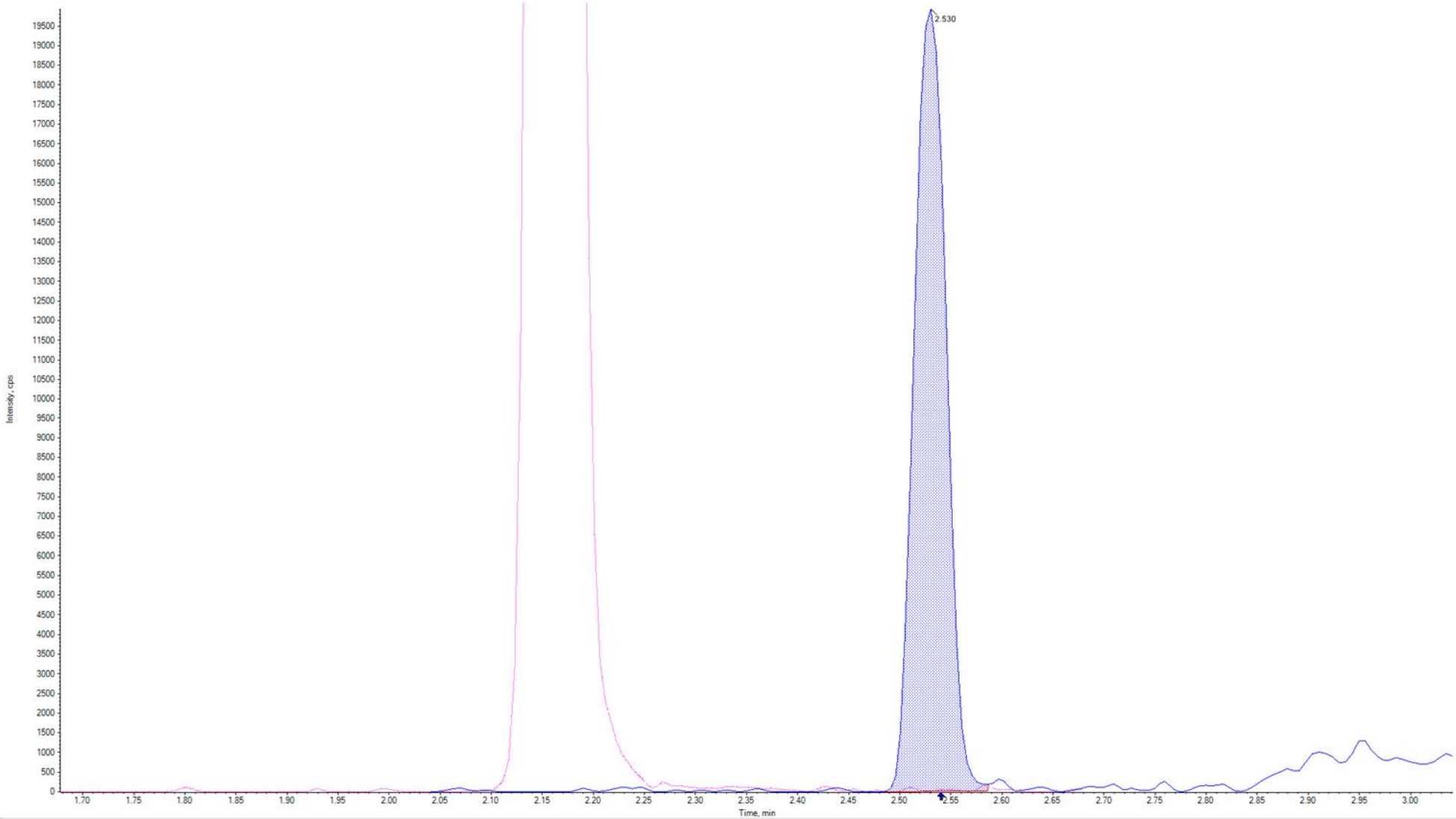
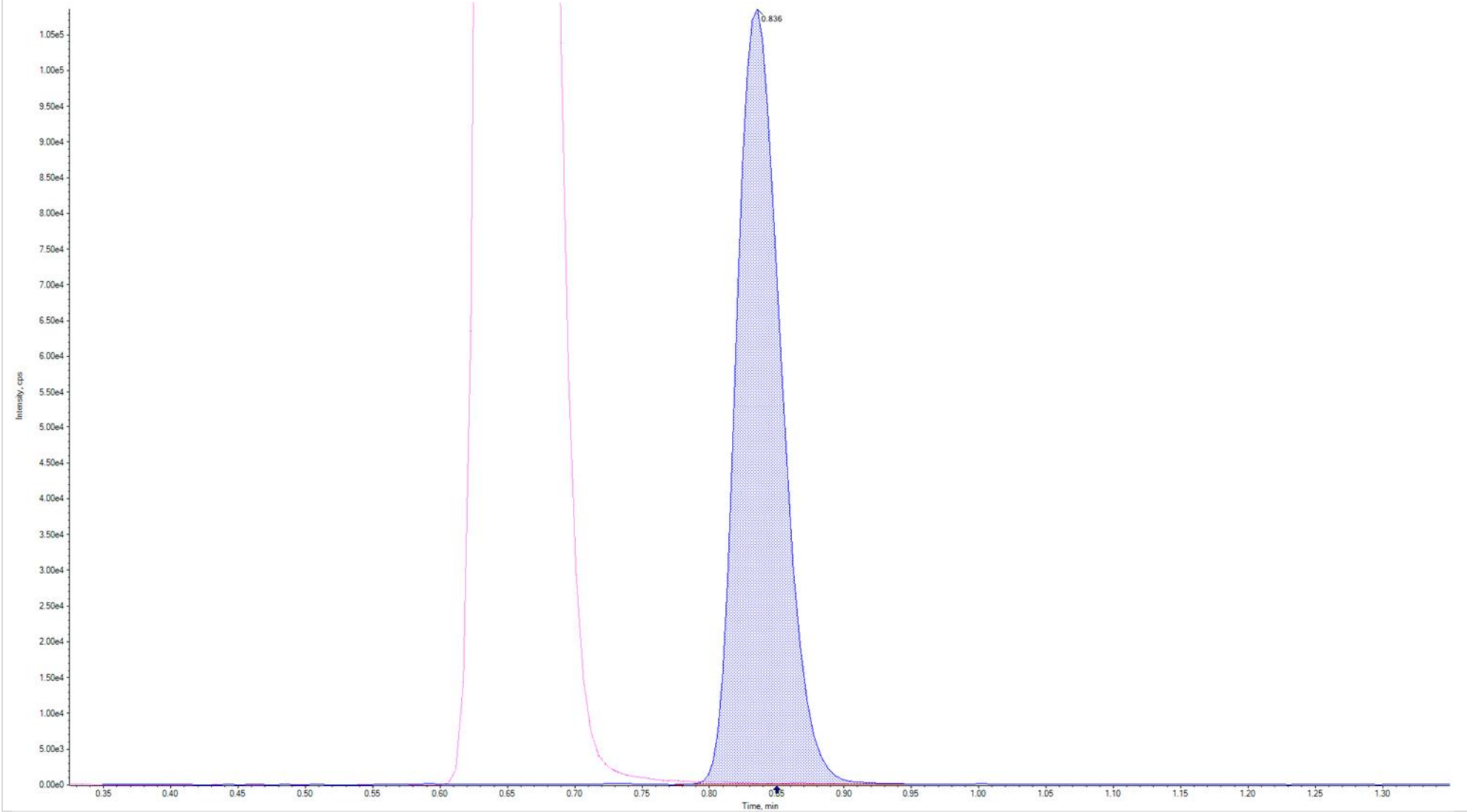
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFEESA_2
Sample: IA1633STD-0.5 S/N:449.3 Points Across peak:23



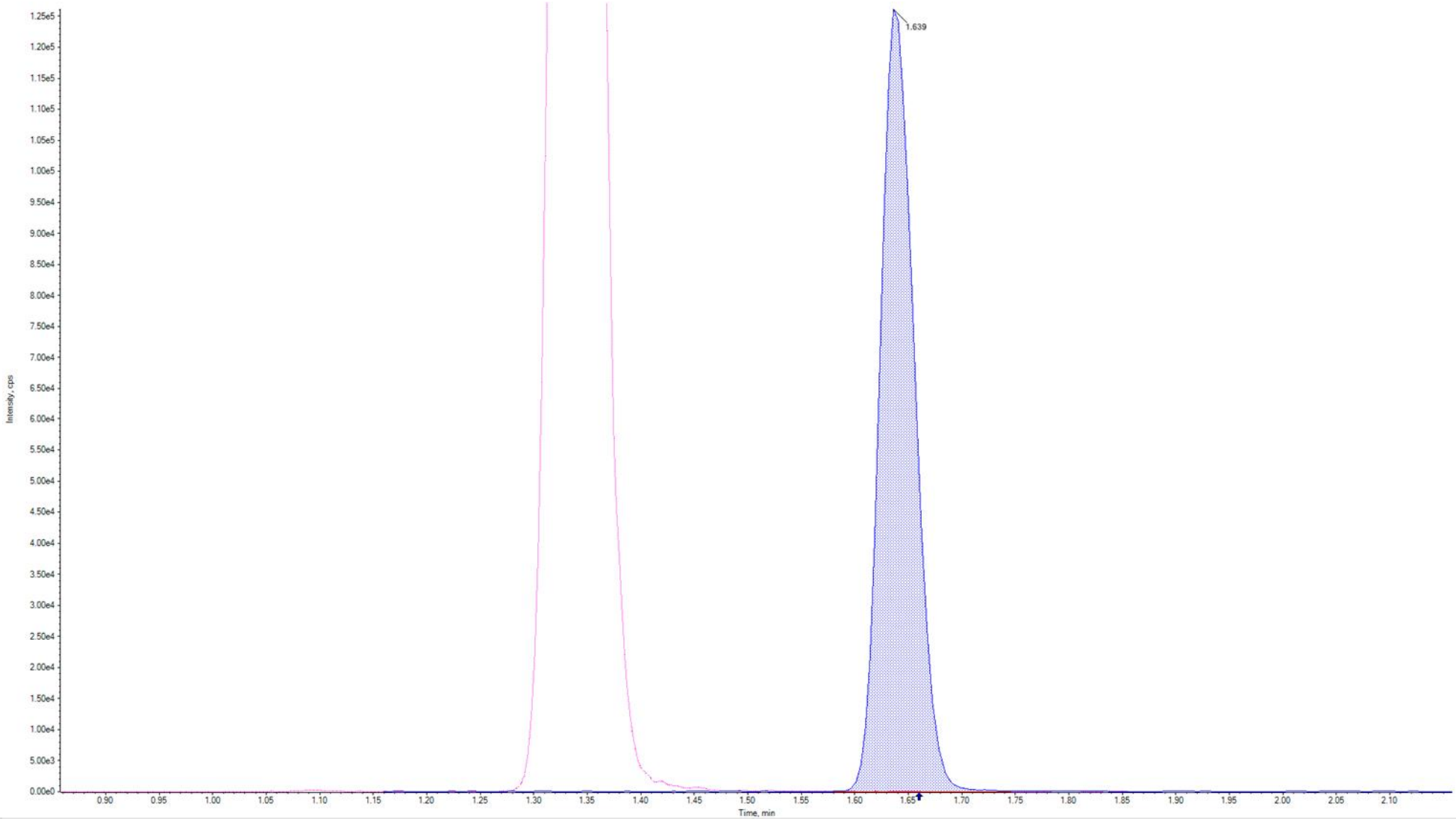
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFMPA
Sample: IA1633STD-0.5 S/N:6605.7 Points Across peak:45



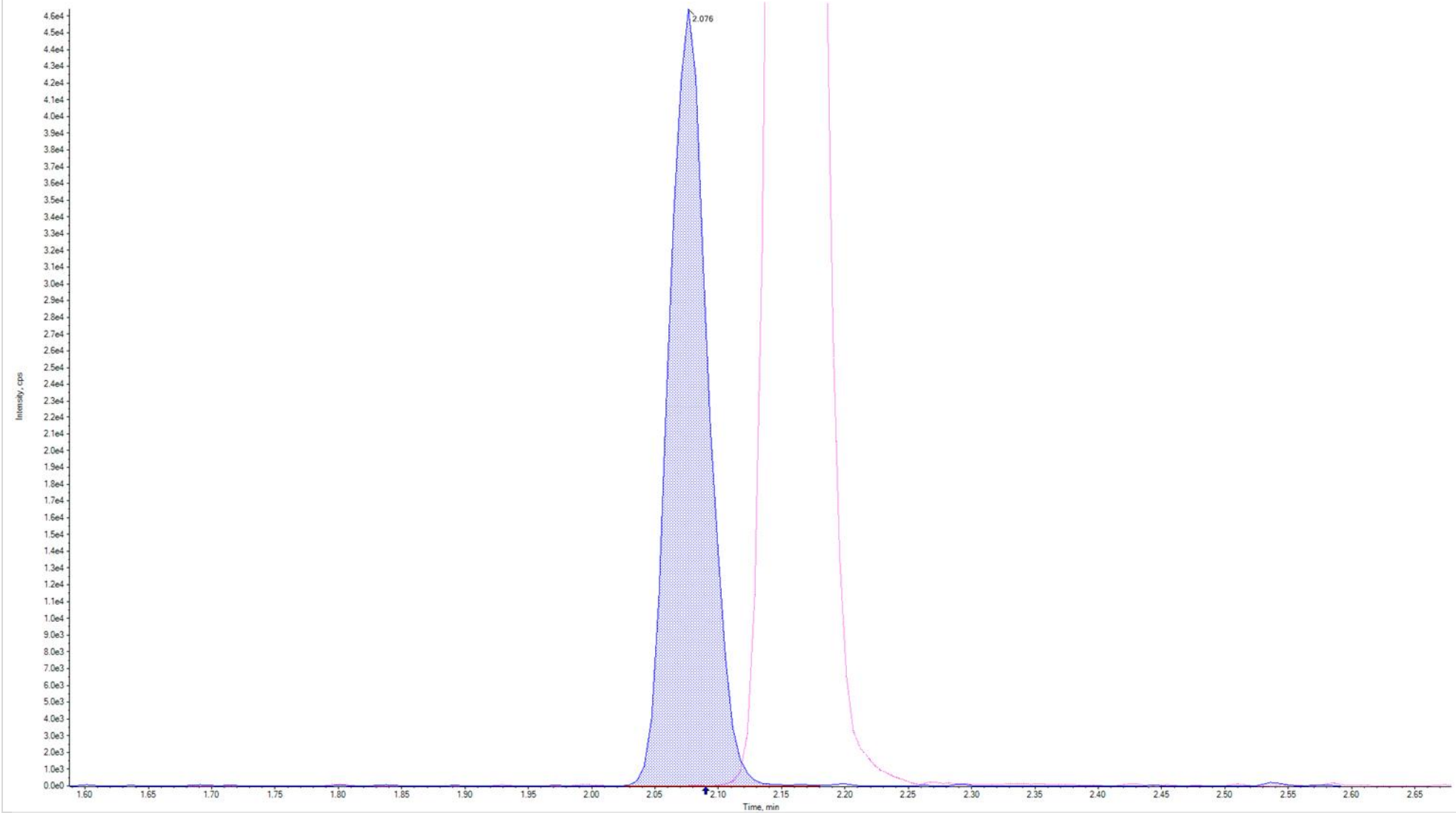
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFMBA
Sample: IA1633STD-0.5 S/N:7270.8 Points Across peak:41



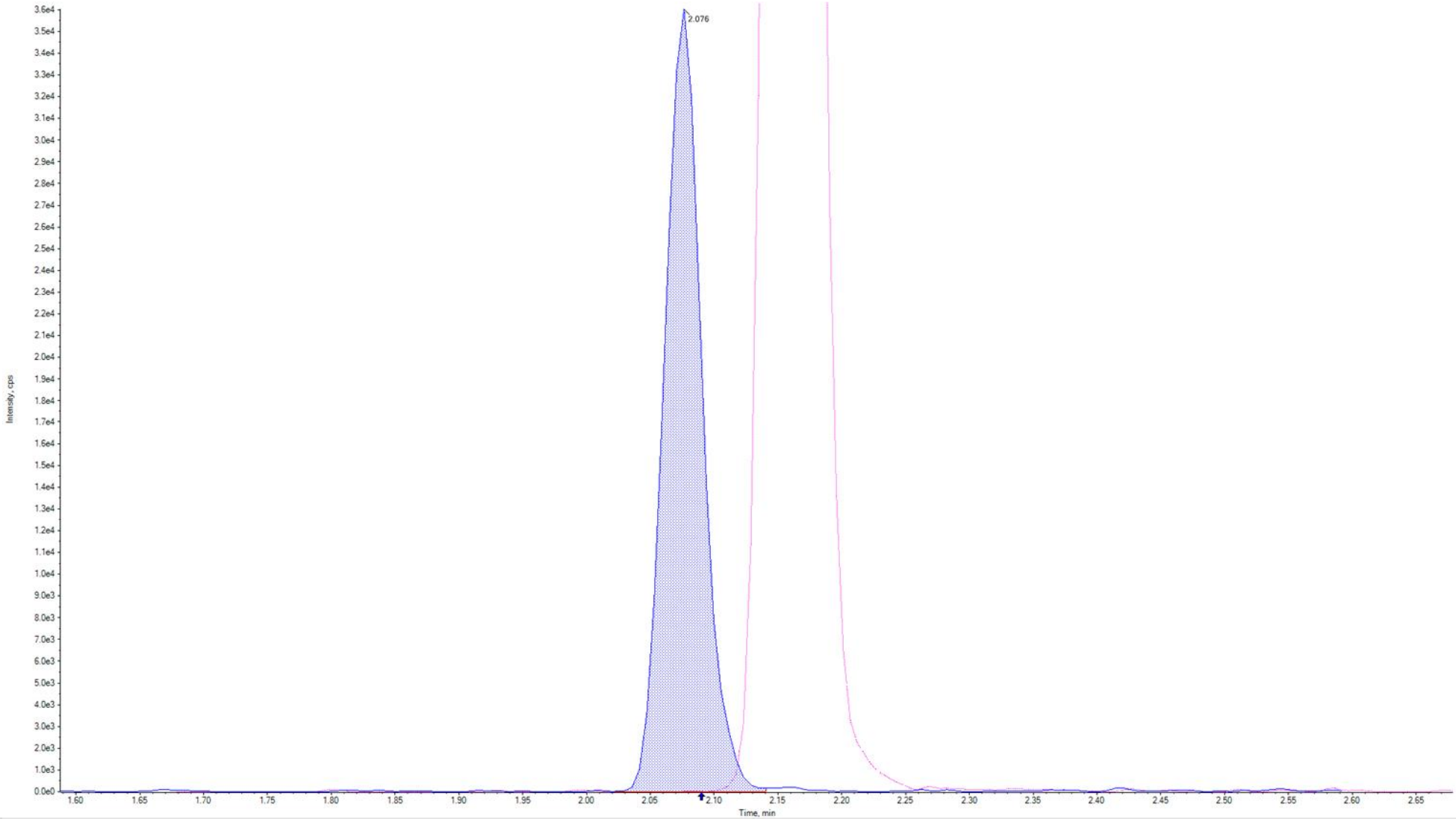
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NFDHA
Sample: IA1633STD-0.5 S/N:1279.8 Points Across peak:32

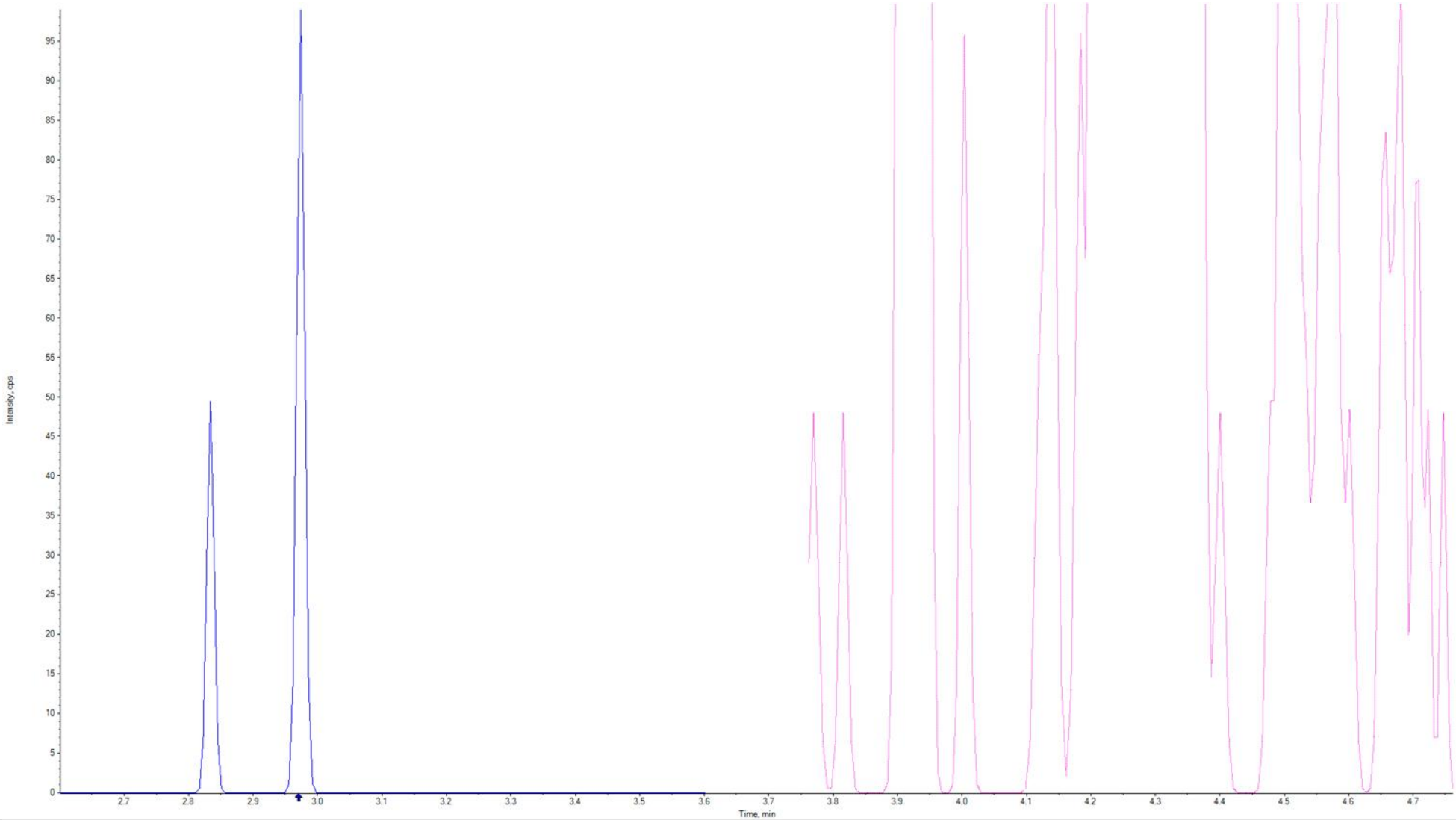


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NFDHA_2
Sample: IA1633STD-0.5 S/N:992.9 Points Across peak:22

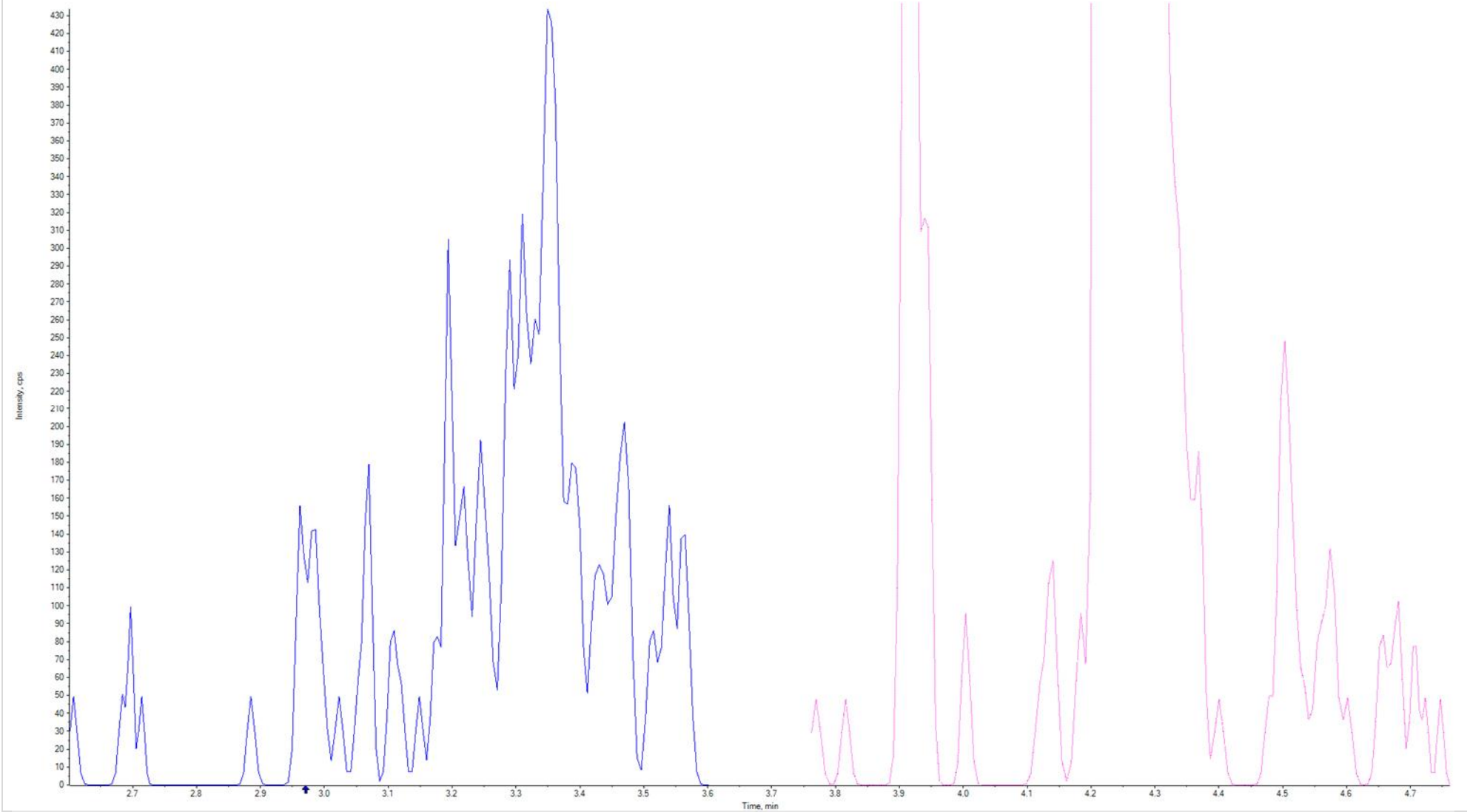


TDCA
Sample: IA1633STD-0.5 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

TDCA_2
Sample: IA1633STD-0.5 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:19:49 PM
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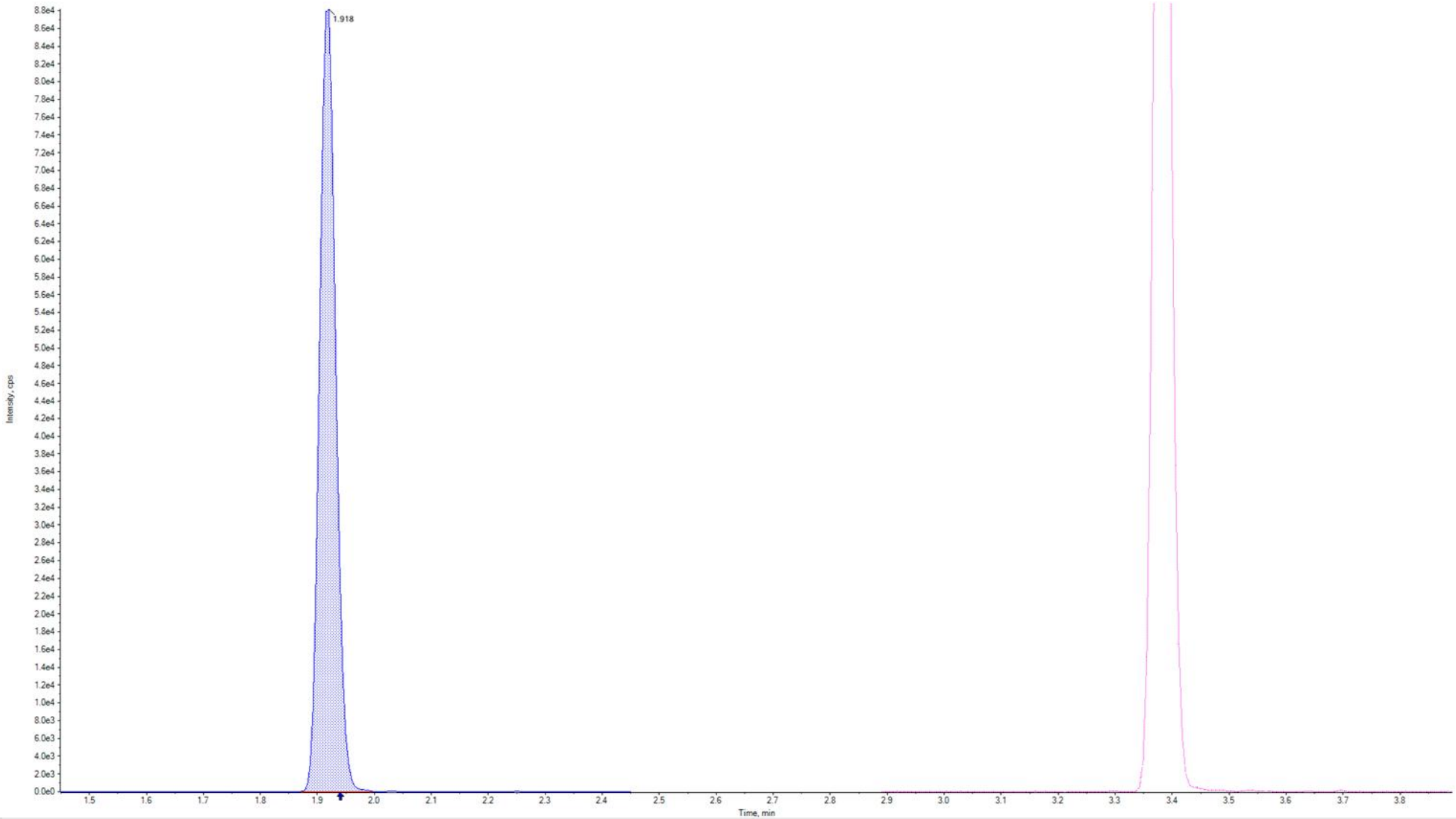
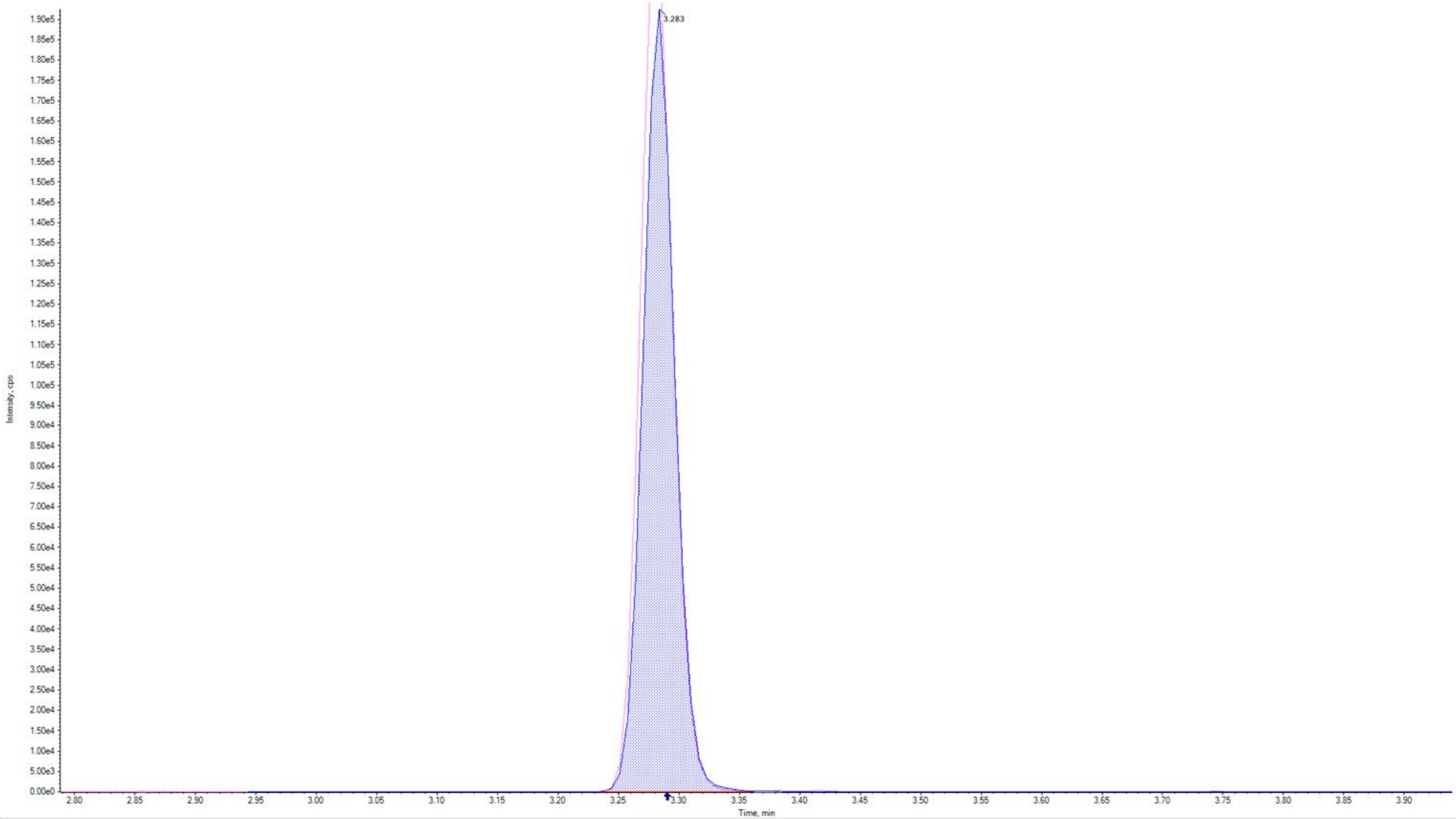
13C2D4-4:2FTS
Sample: IA1633STD-0.5 S/N:3315.2 Points Across peak:32

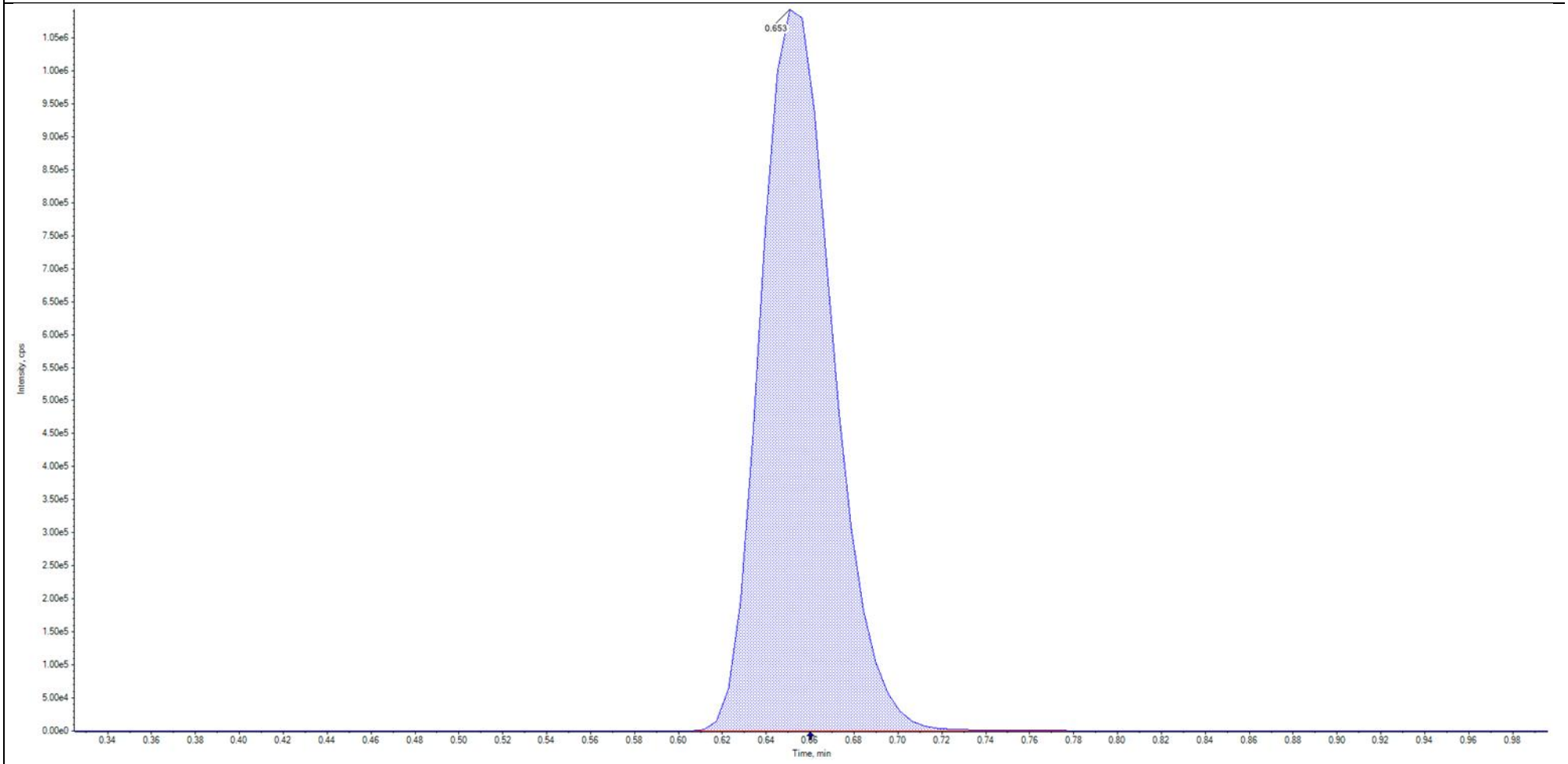


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_09.wiff2_2
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

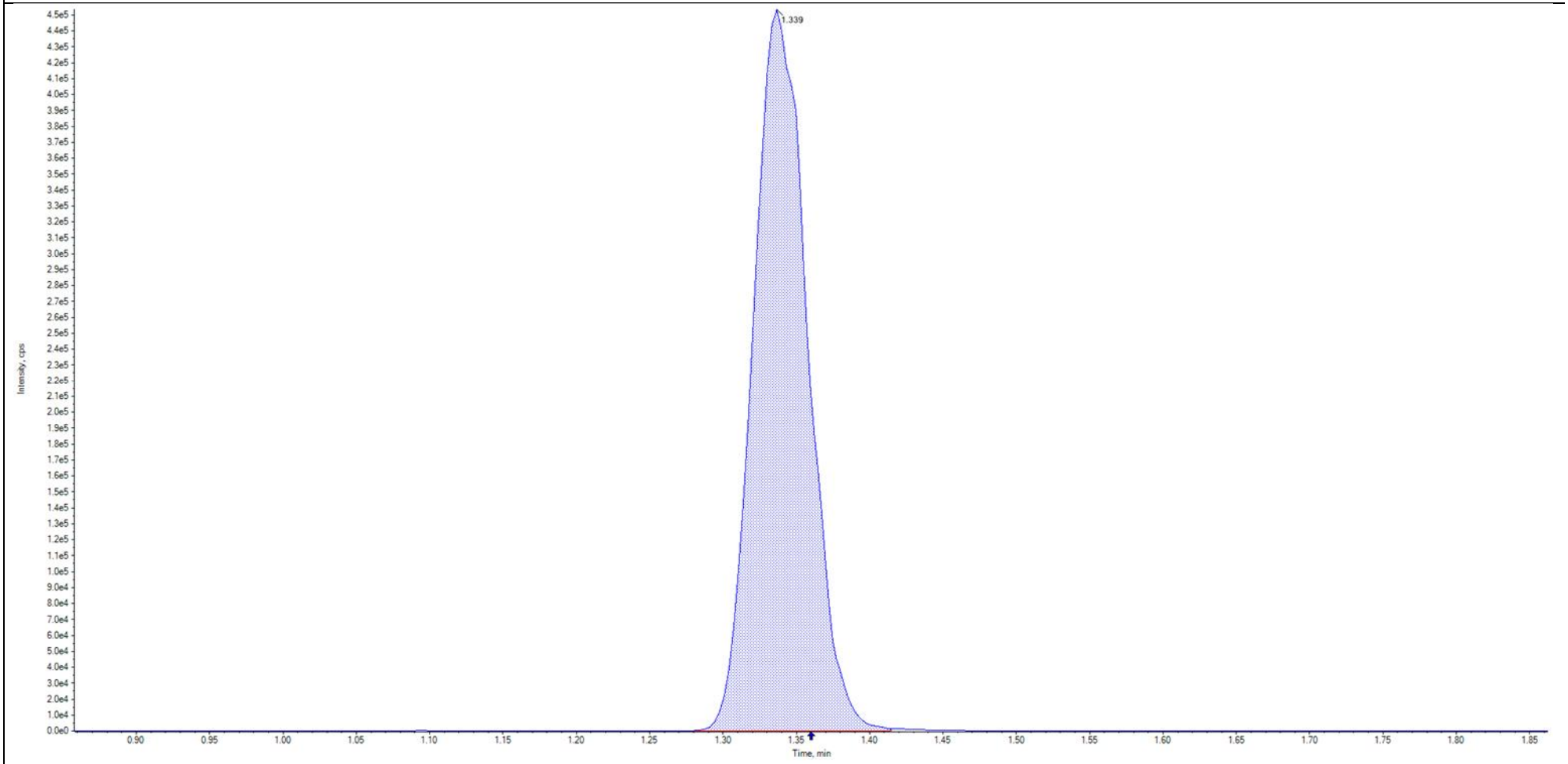
13C2-PFOA
Sample: IA1633STD-0.5 S/N:4343.2 Points Across peak:26



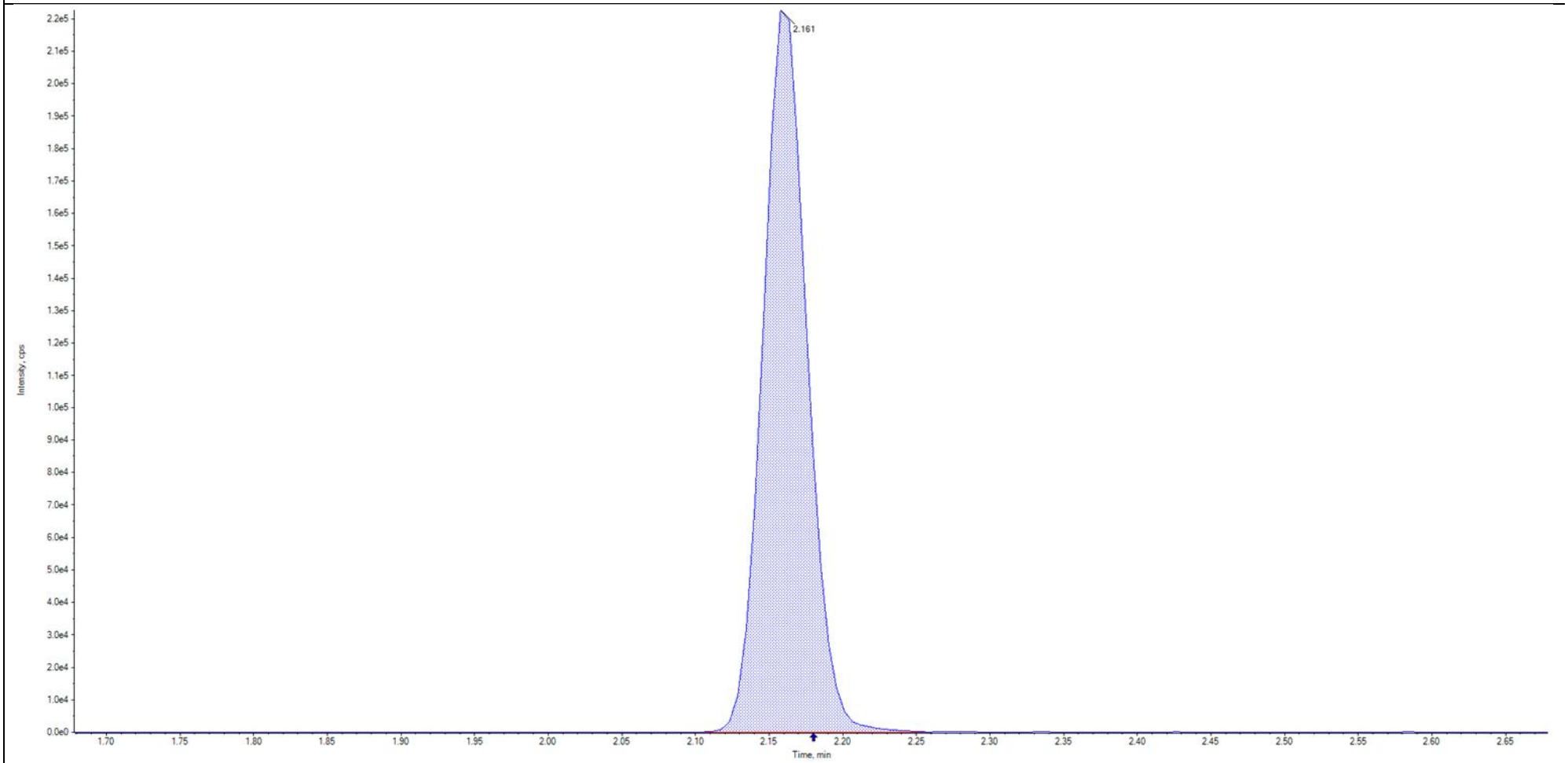
13C4-PFBA
Sample: IA1633STD-0.5



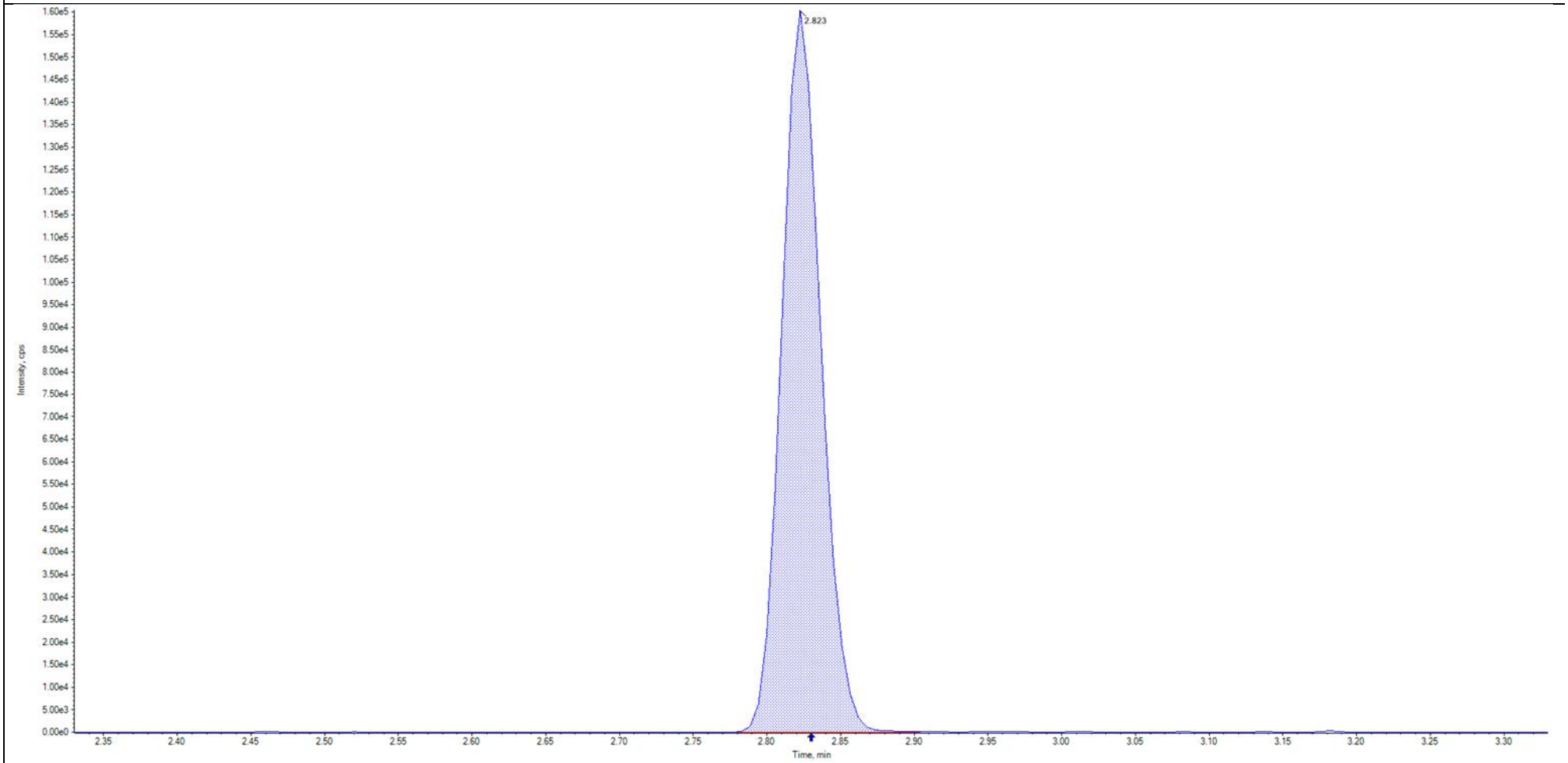
13C5-PFPeA
Sample: IA1633STD-0.5



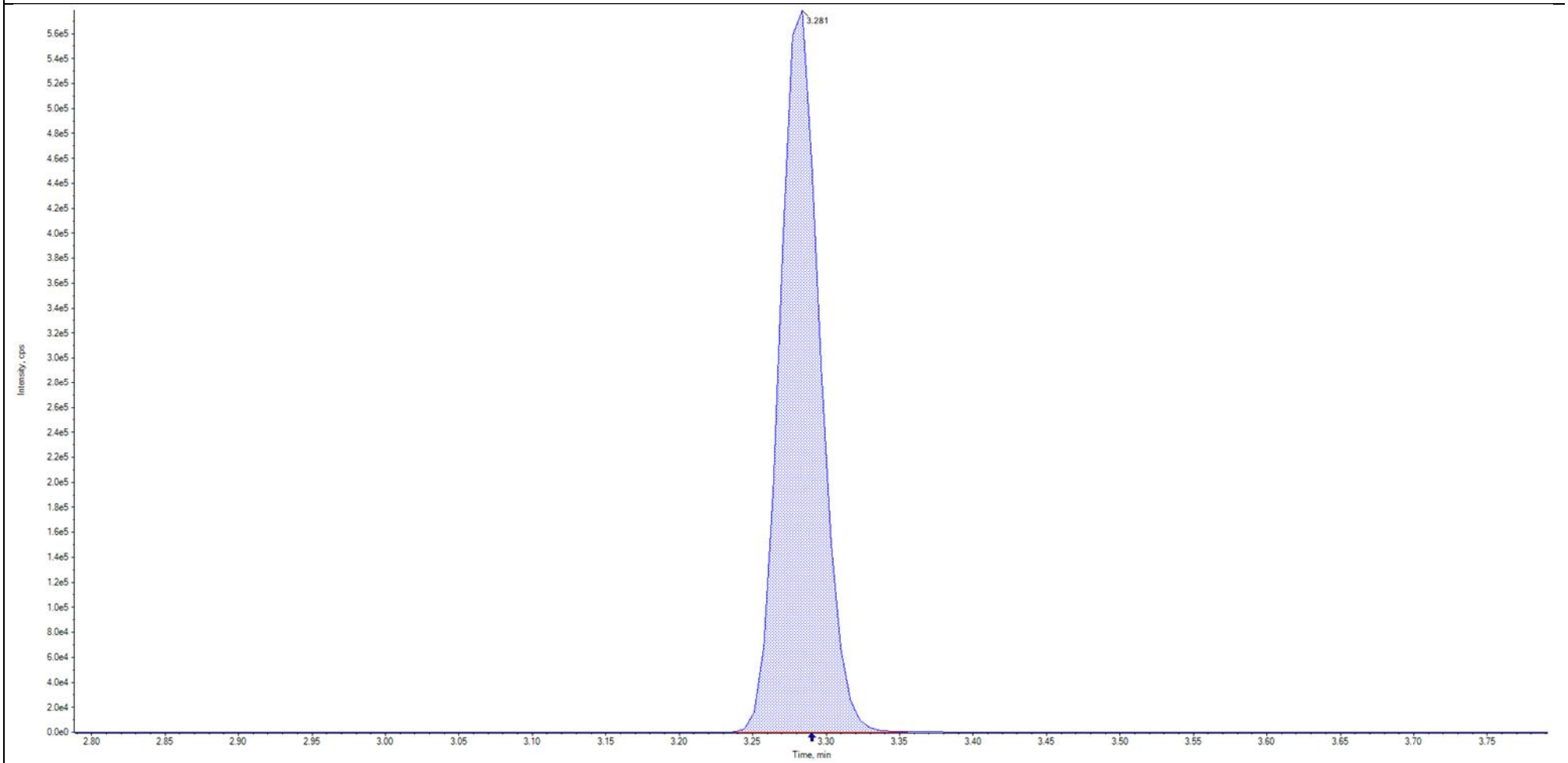
13C5-PFHxA
Sample: IA1633STD-0.5



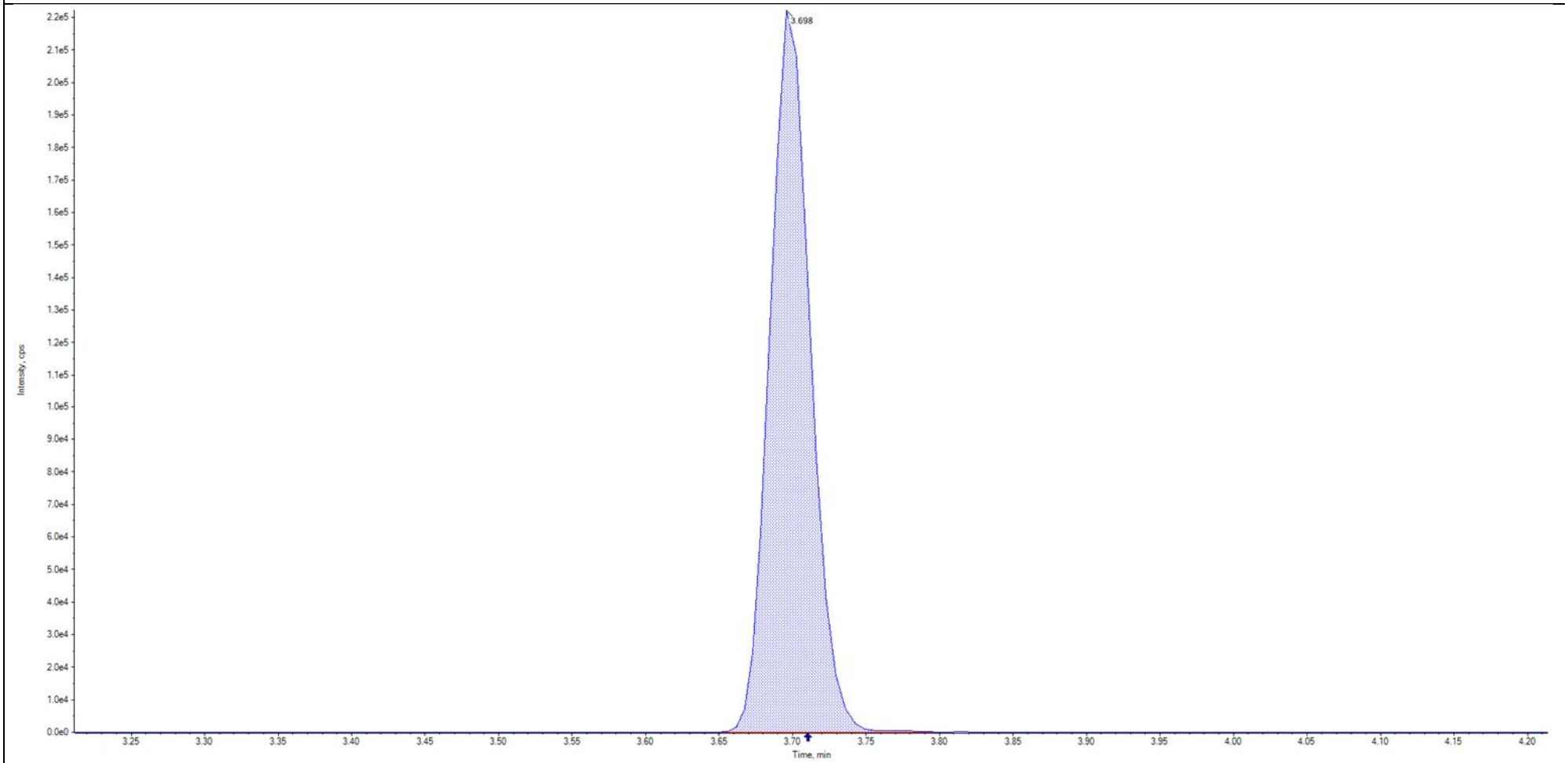
13C4-PFHpA
Sample: IA1633STD-0.5



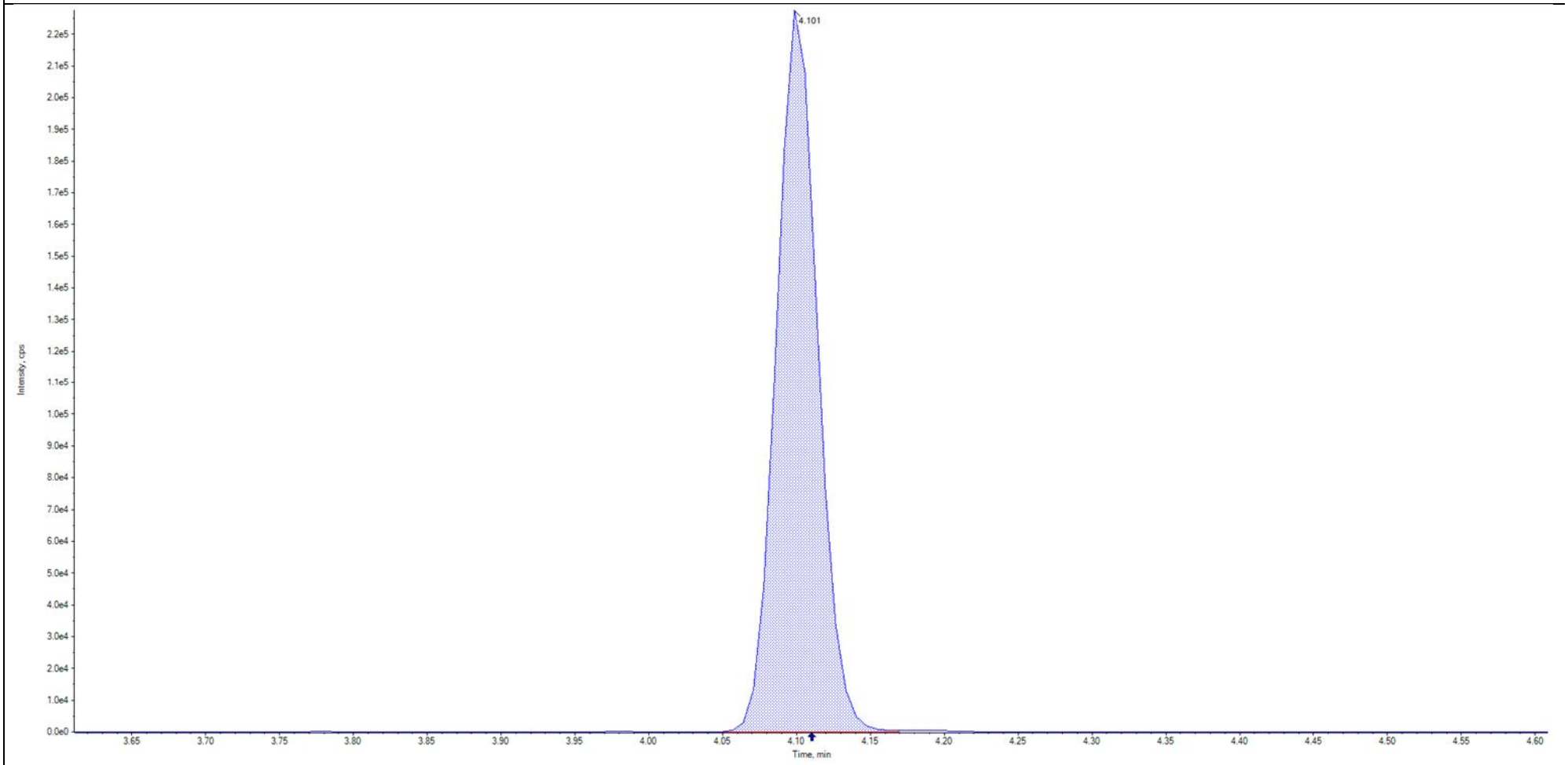
13C8-PFOA
Sample: IA1633STD-0.5



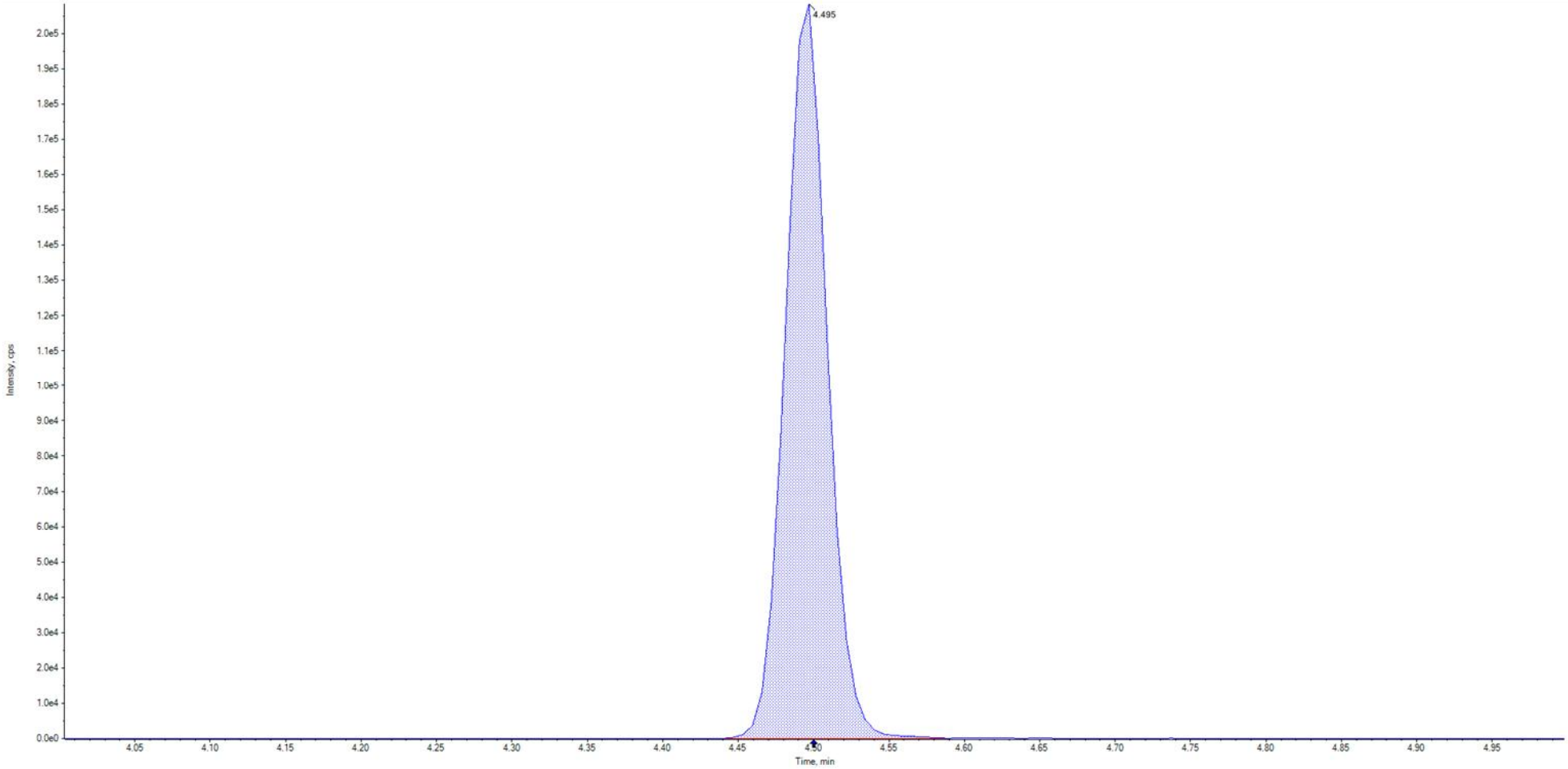
13C9-PFNA
Sample: IA1633STD-0.5



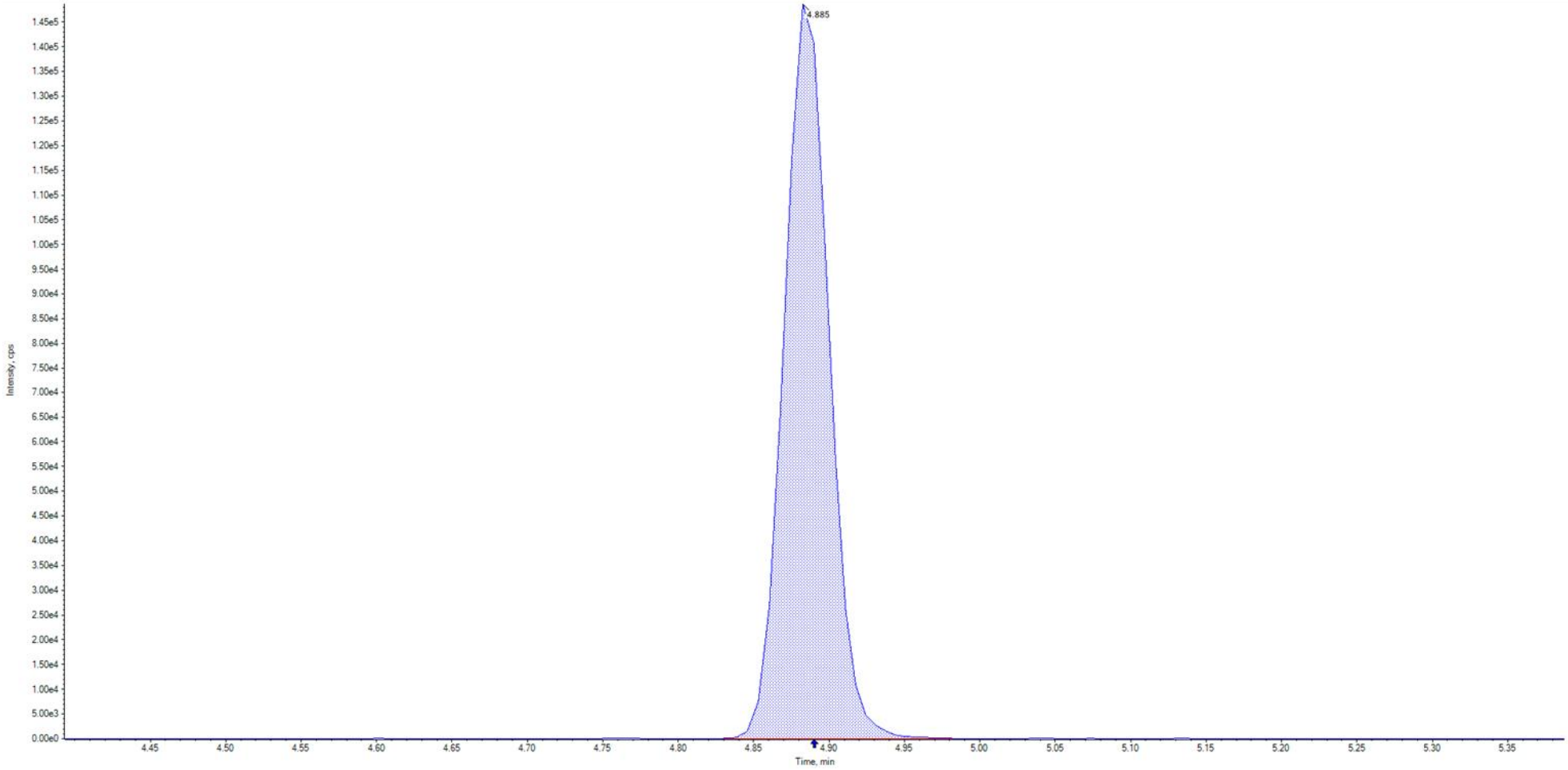
13C6-PFDA
Sample: IA1633STD-0.5



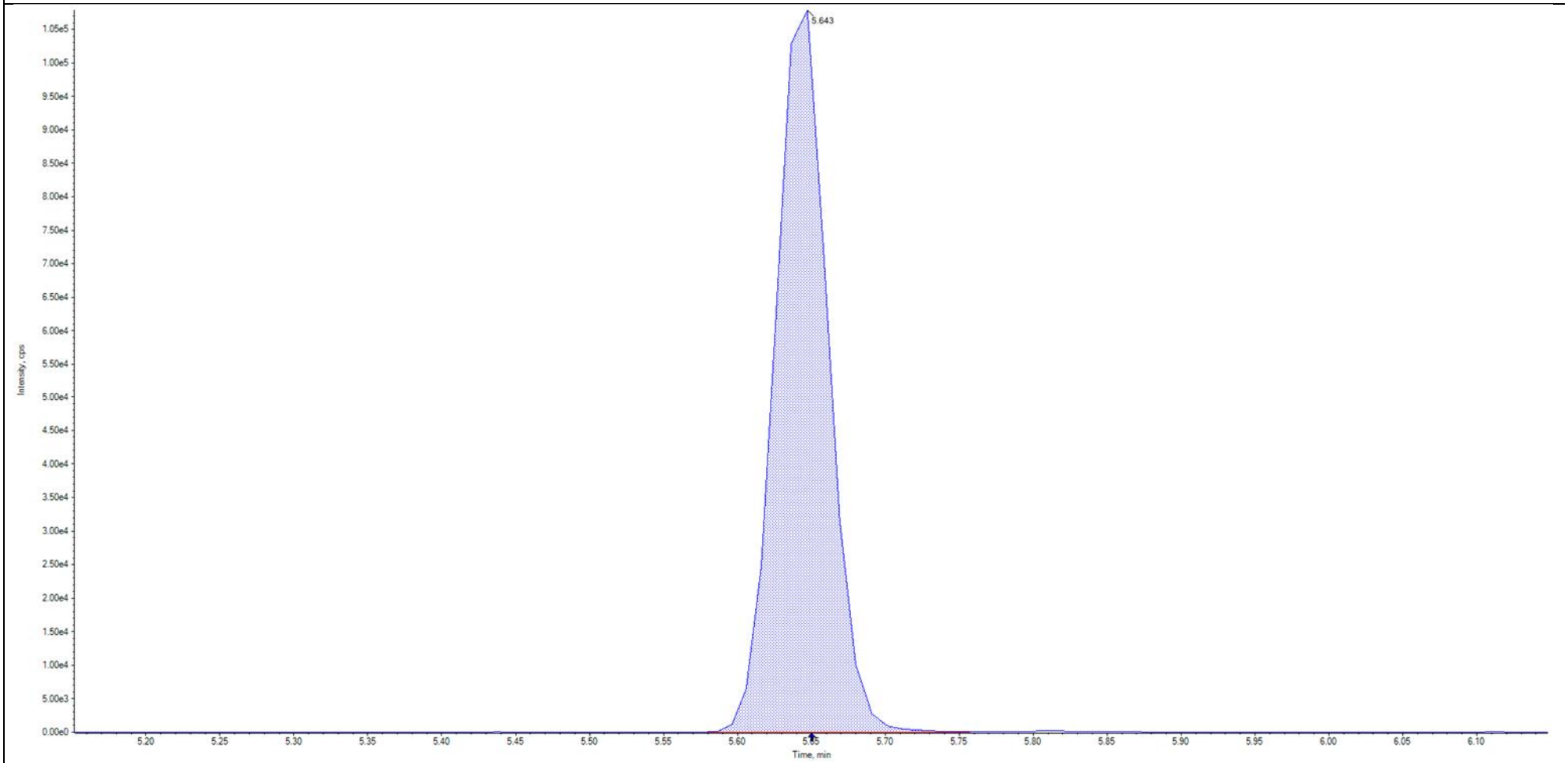
13C7-PFUnA
Sample: IA1633STD-0.5



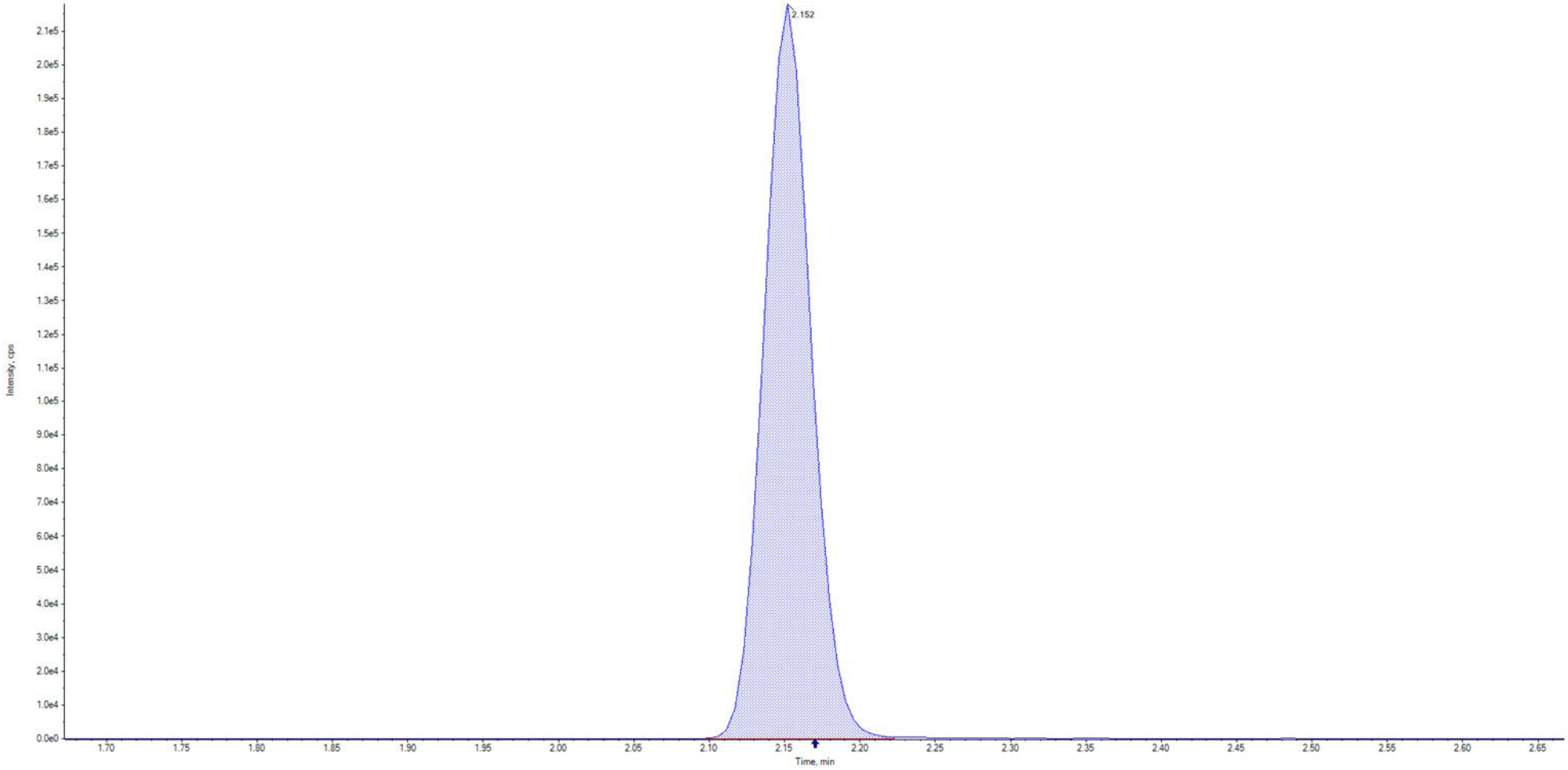
13C2-PFDoA
Sample: IA1633STD-0.5



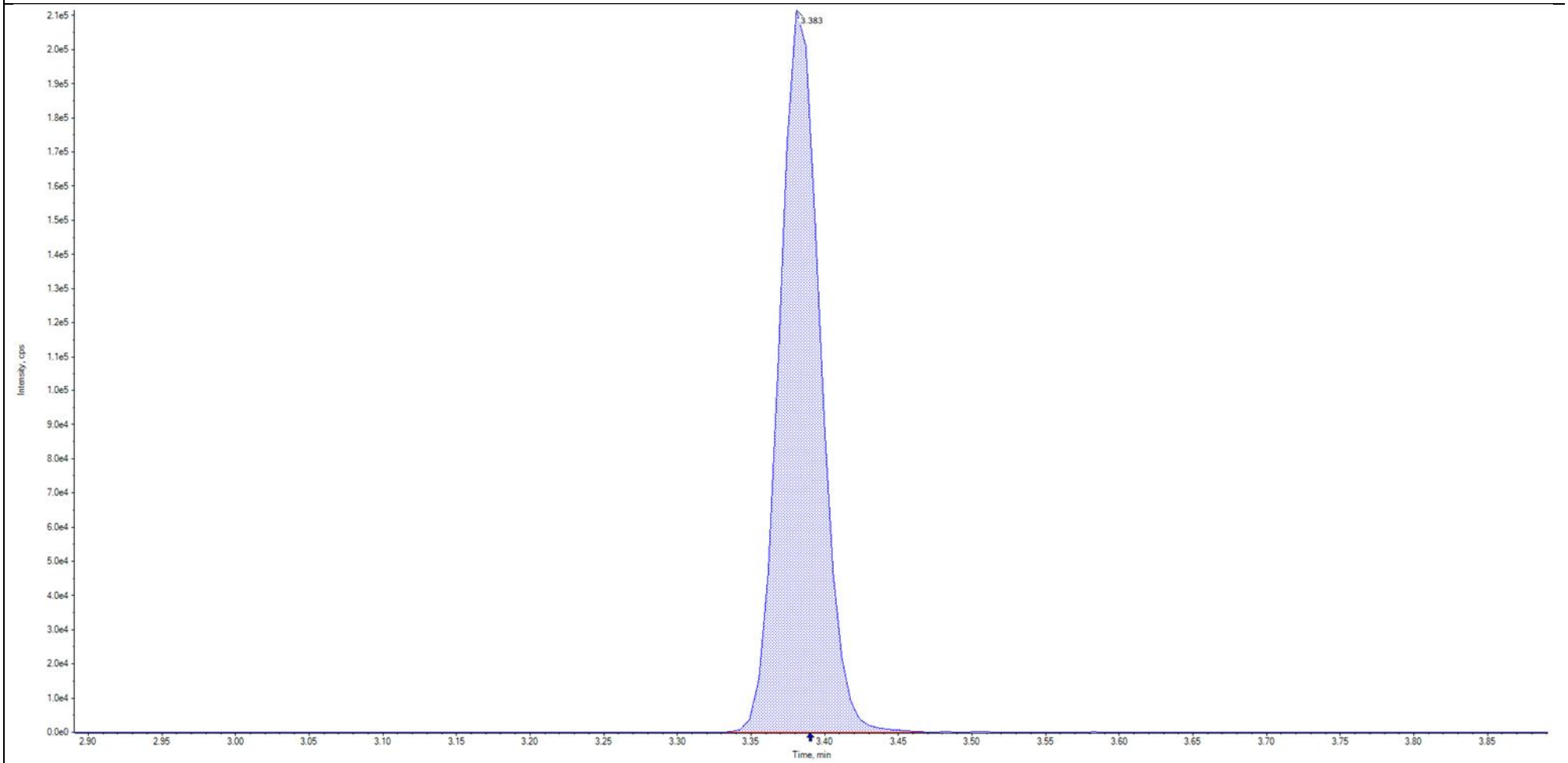
13C2-PFTeDA
Sample: IA1633STD-0.5



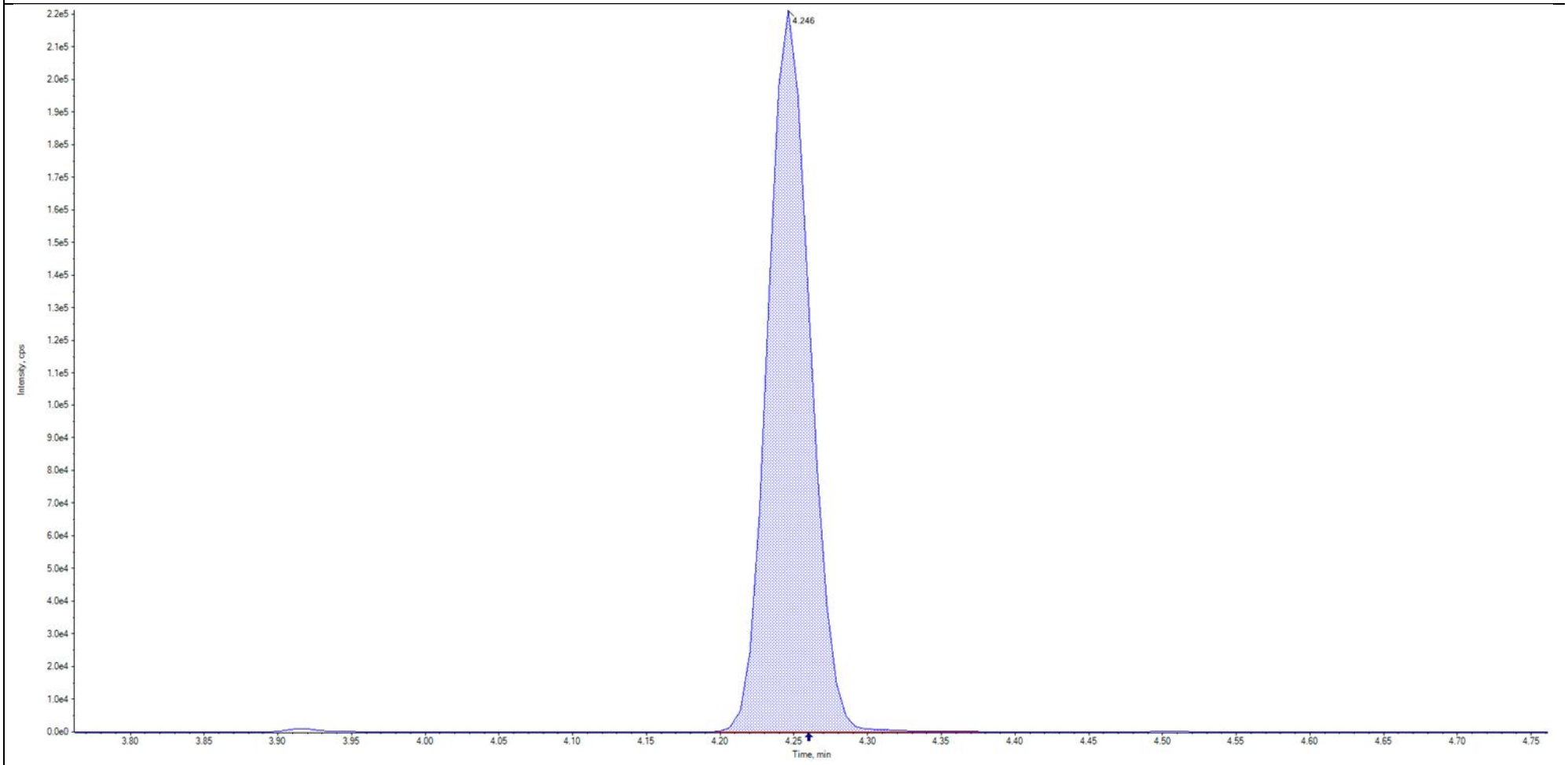
13C3-PFBS
Sample: IA1633STD-0.5



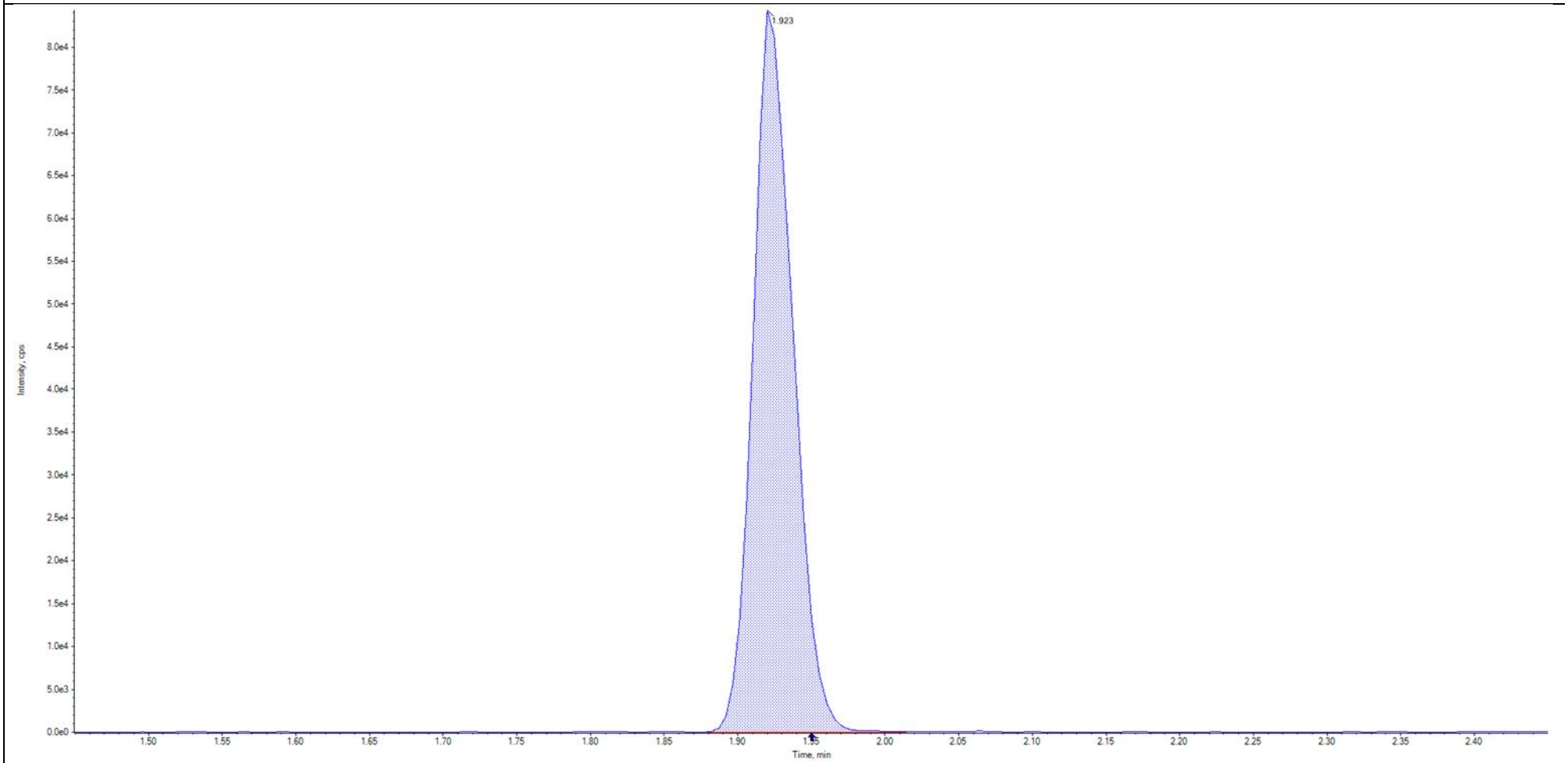
13C3-PFHxS
Sample: IA1633STD-0.5



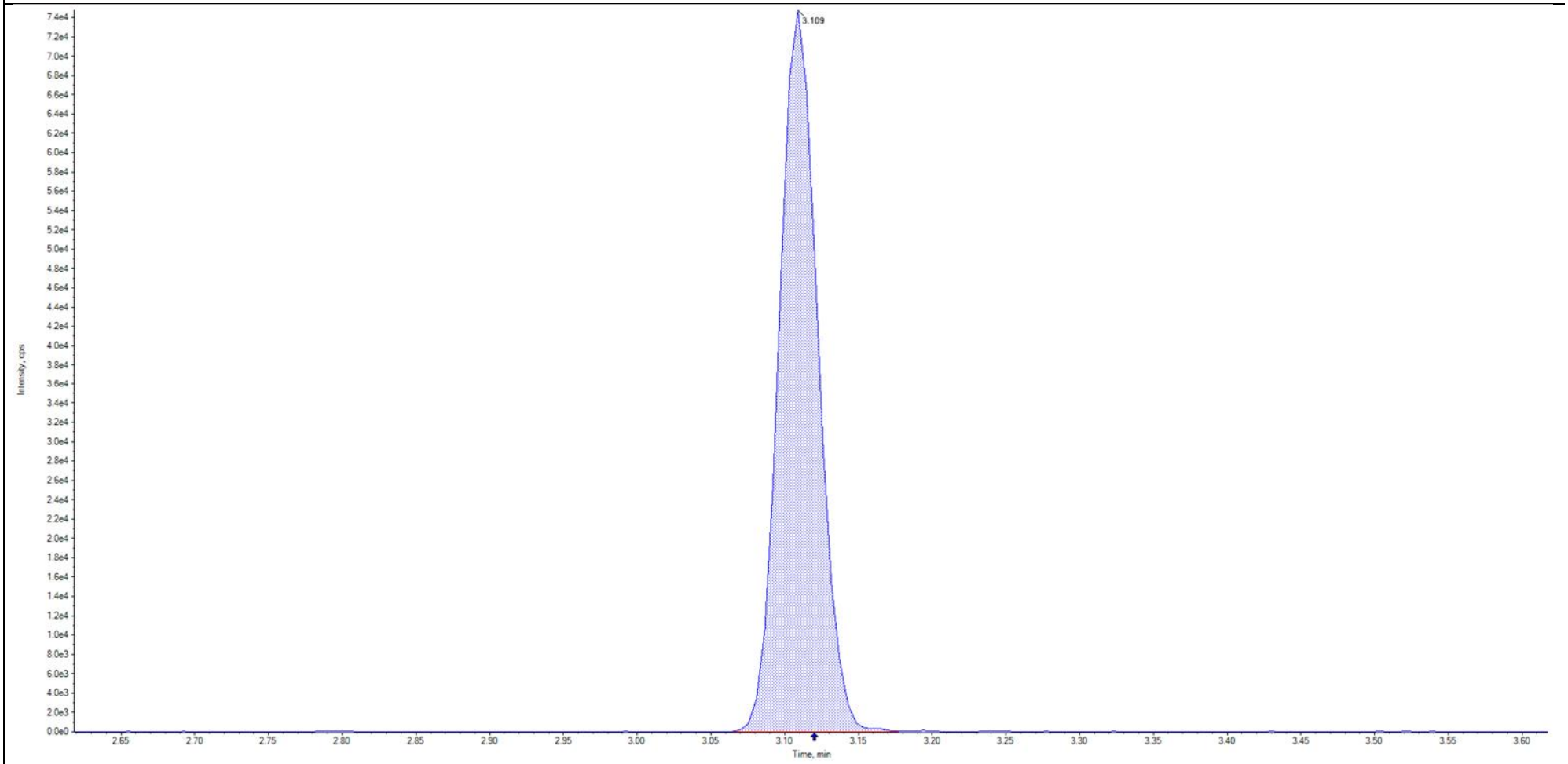
13C8-PFOS
Sample: IA1633STD-0.5



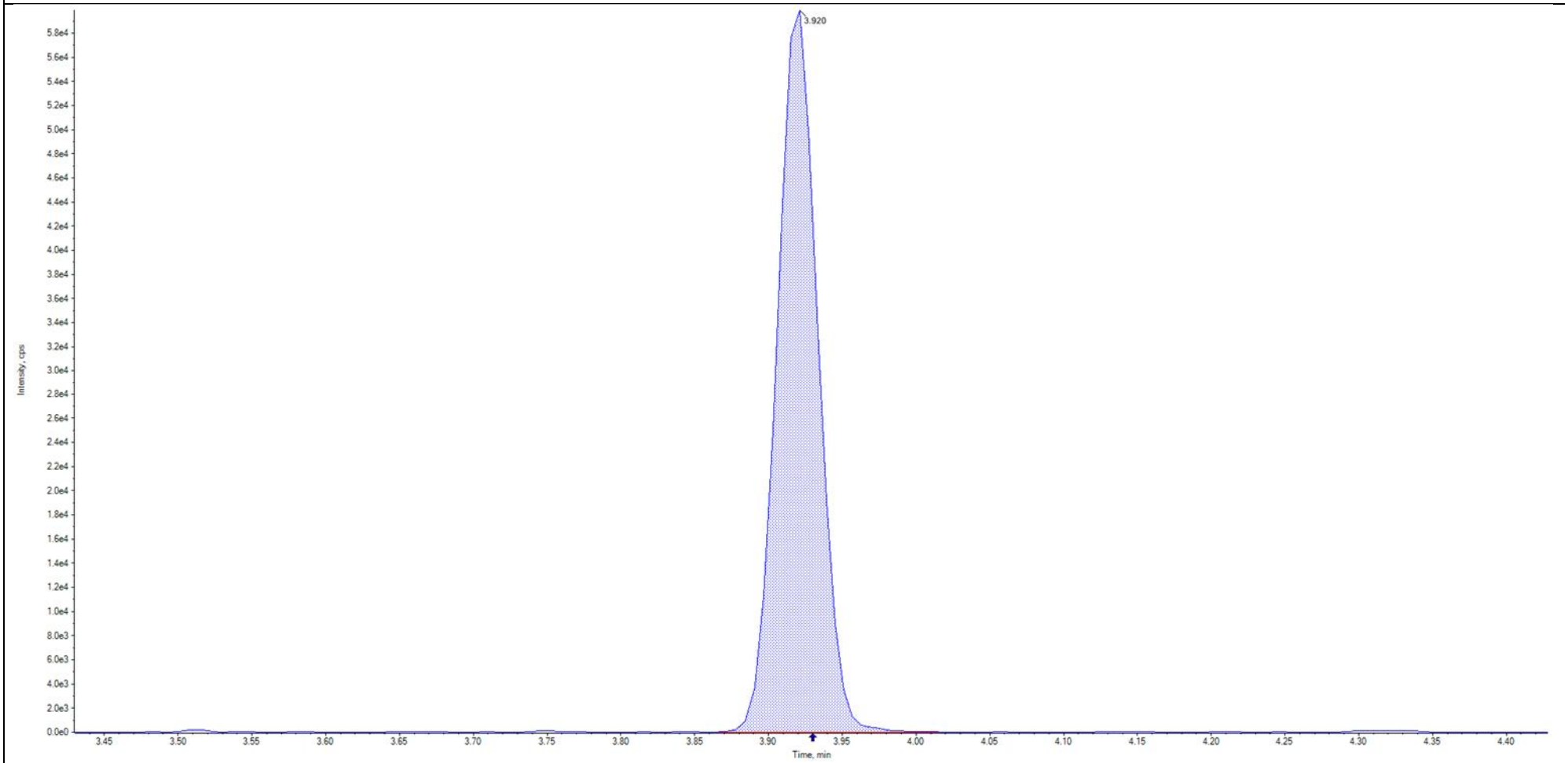
13C2-4:2FTS
Sample: IA1633STD-0.5



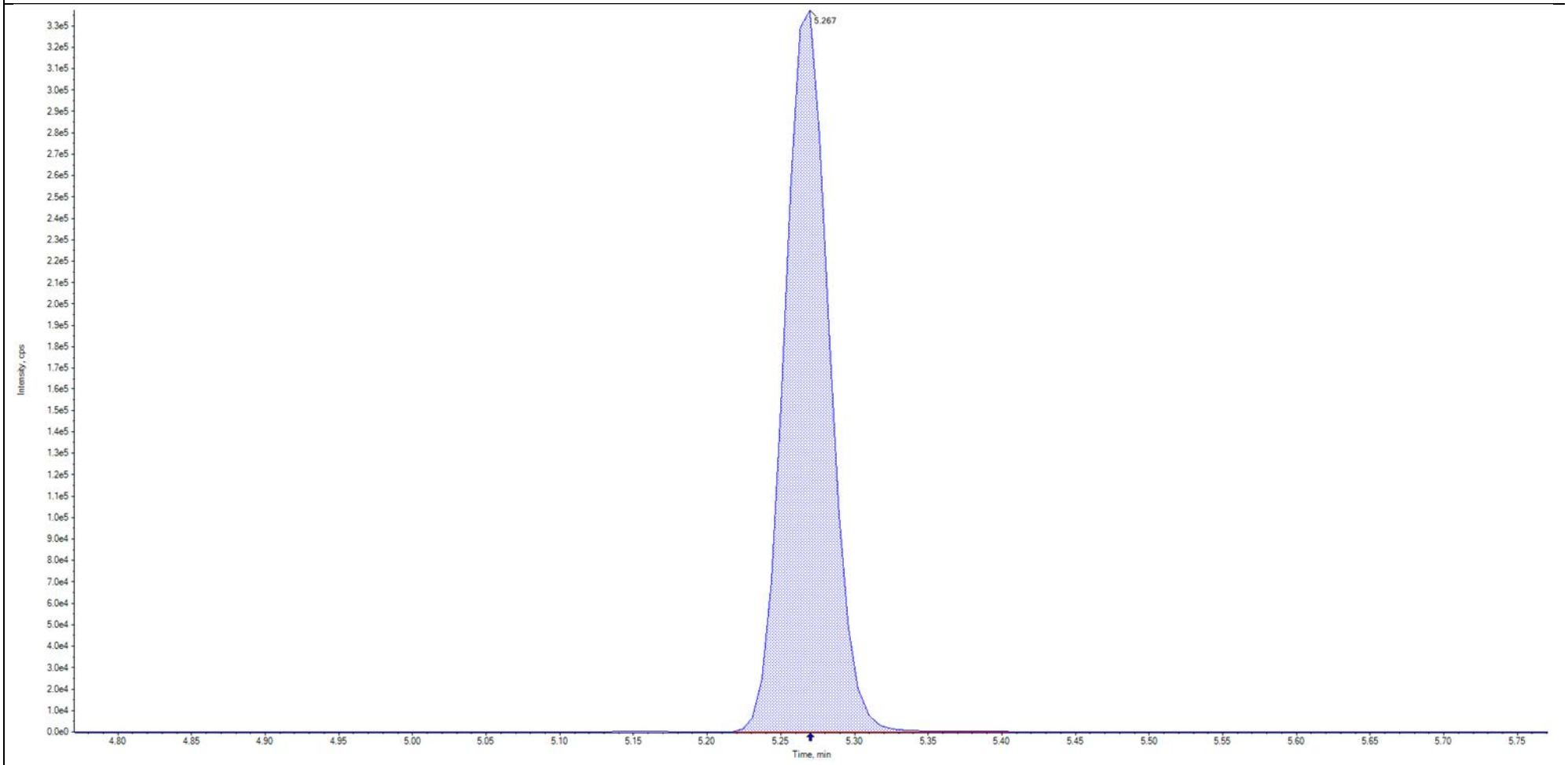
13C2-6:2FTS
Sample: IA1633STD-0.5



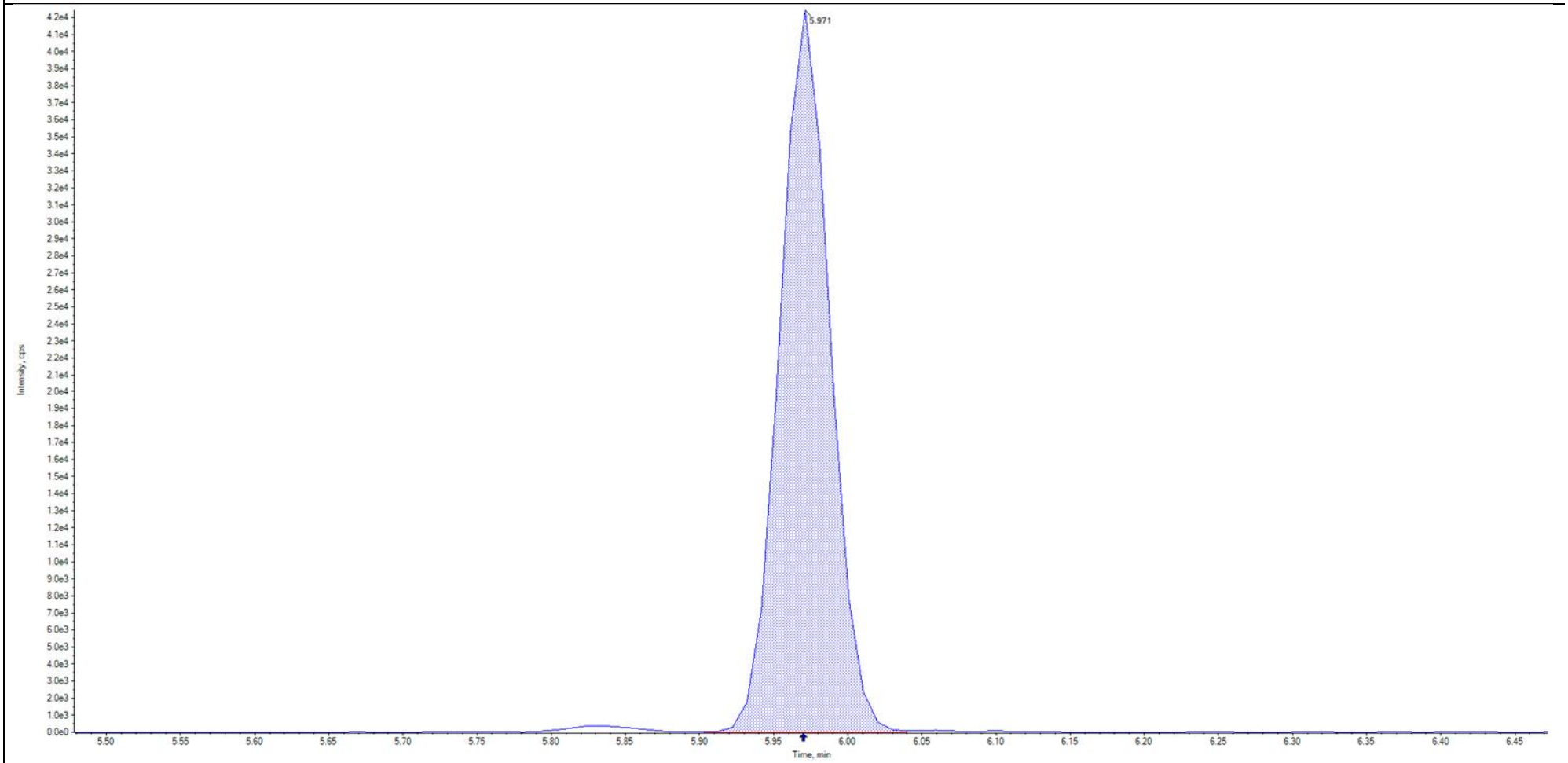
13C2-8:2FTS
Sample: IA1633STD-0.5



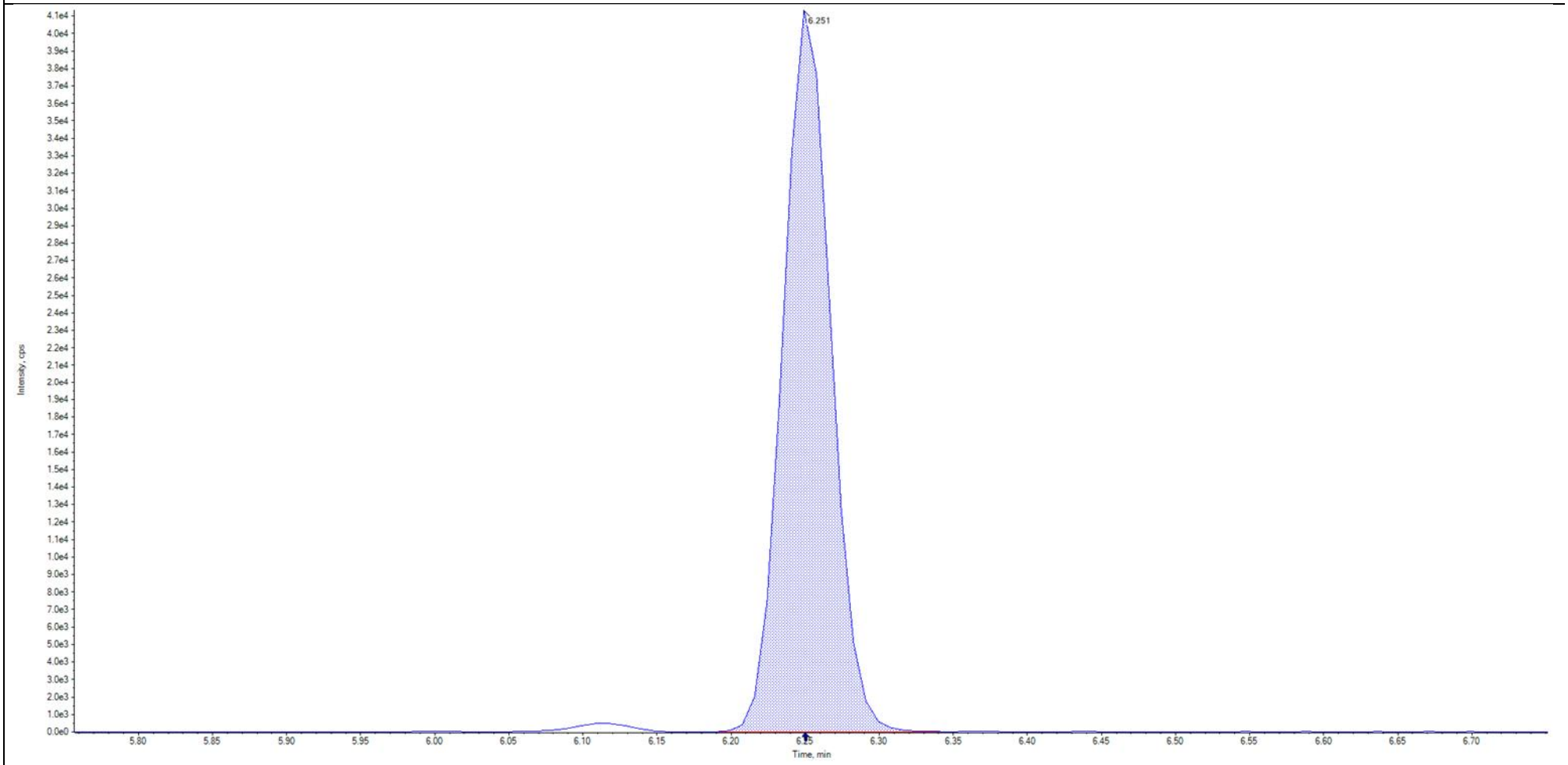
13C8-PFOSA
Sample: IA1633STD-0.5



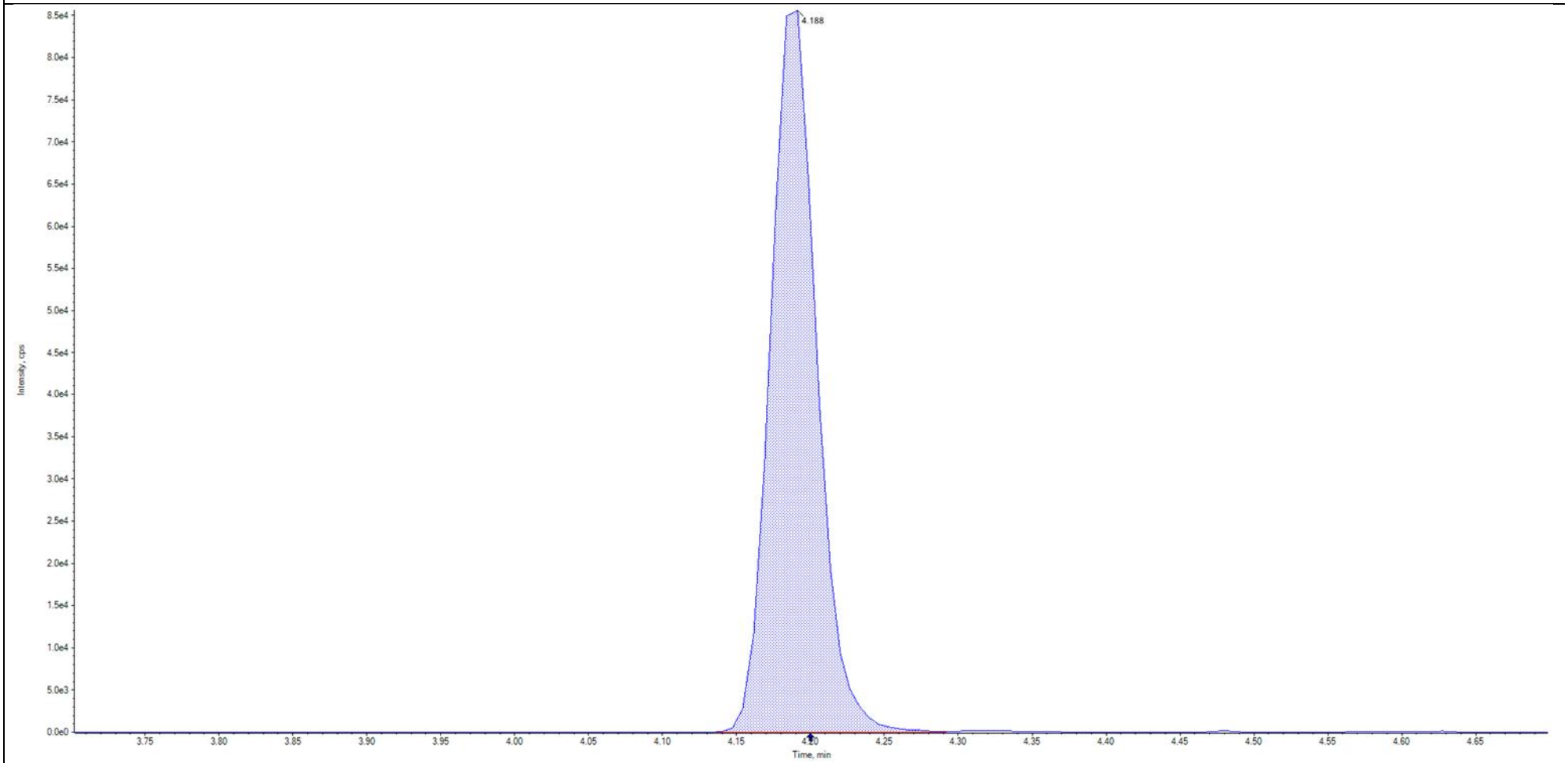
d3-NMeFOSA
Sample: IA1633STD-0.5



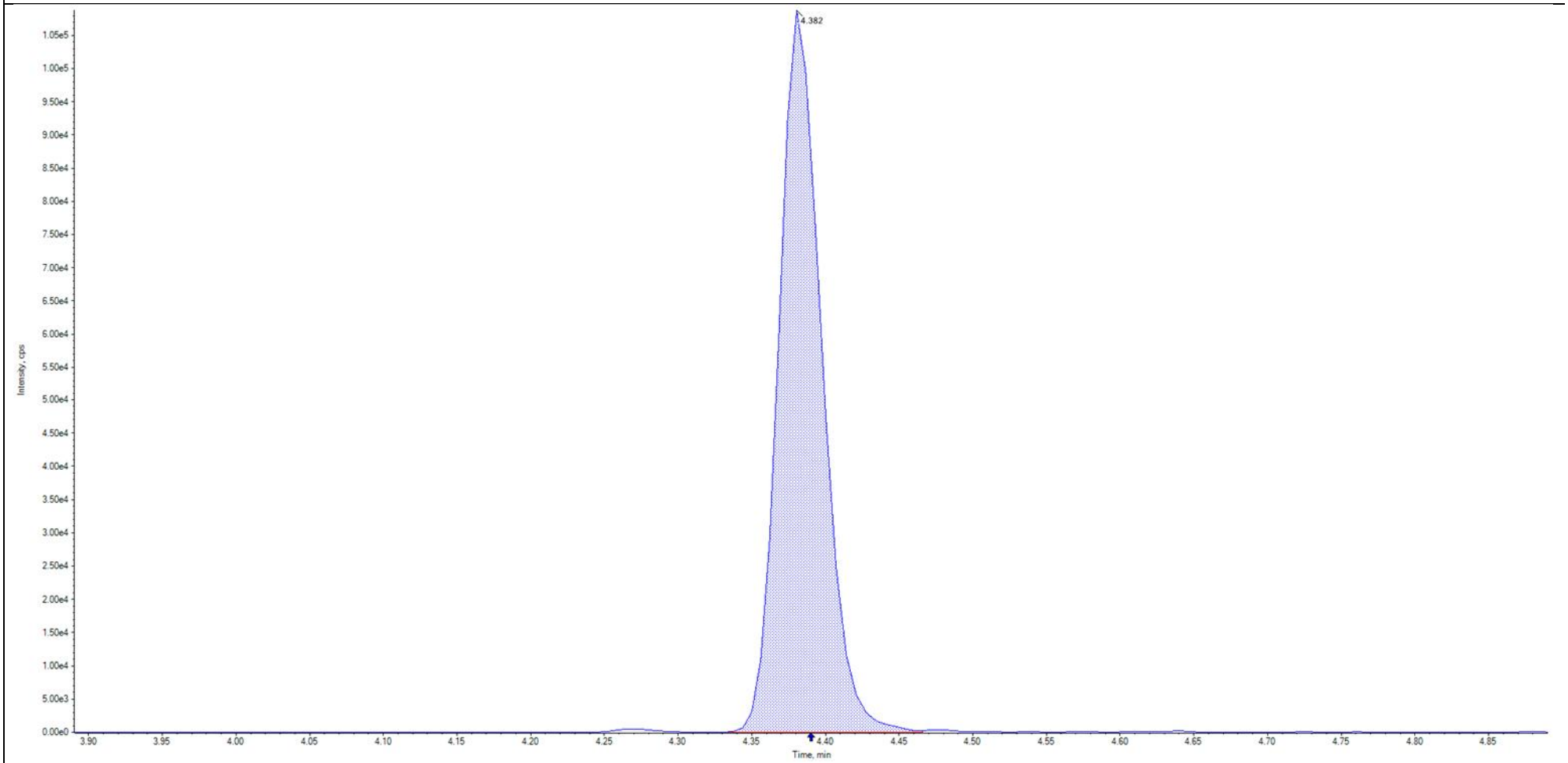
d5-NEtFOSA
Sample: IA1633STD-0.5



d3-NMeFOSAA
Sample: IA1633STD-0.5



d5-NEtFOSAA
Sample: IA1633STD-0.5



d7-NMeFOSE
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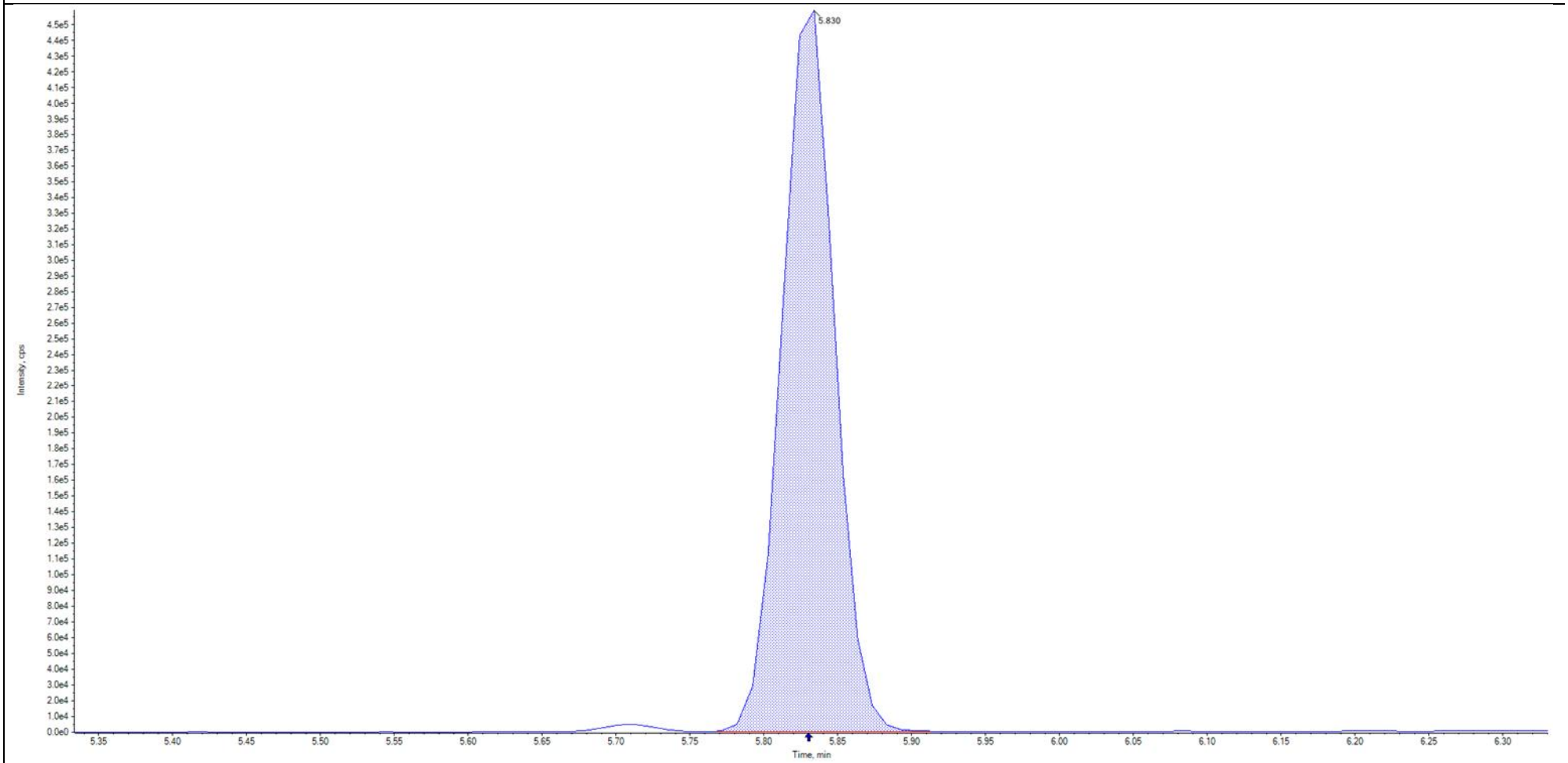

d9-NEtFOSE
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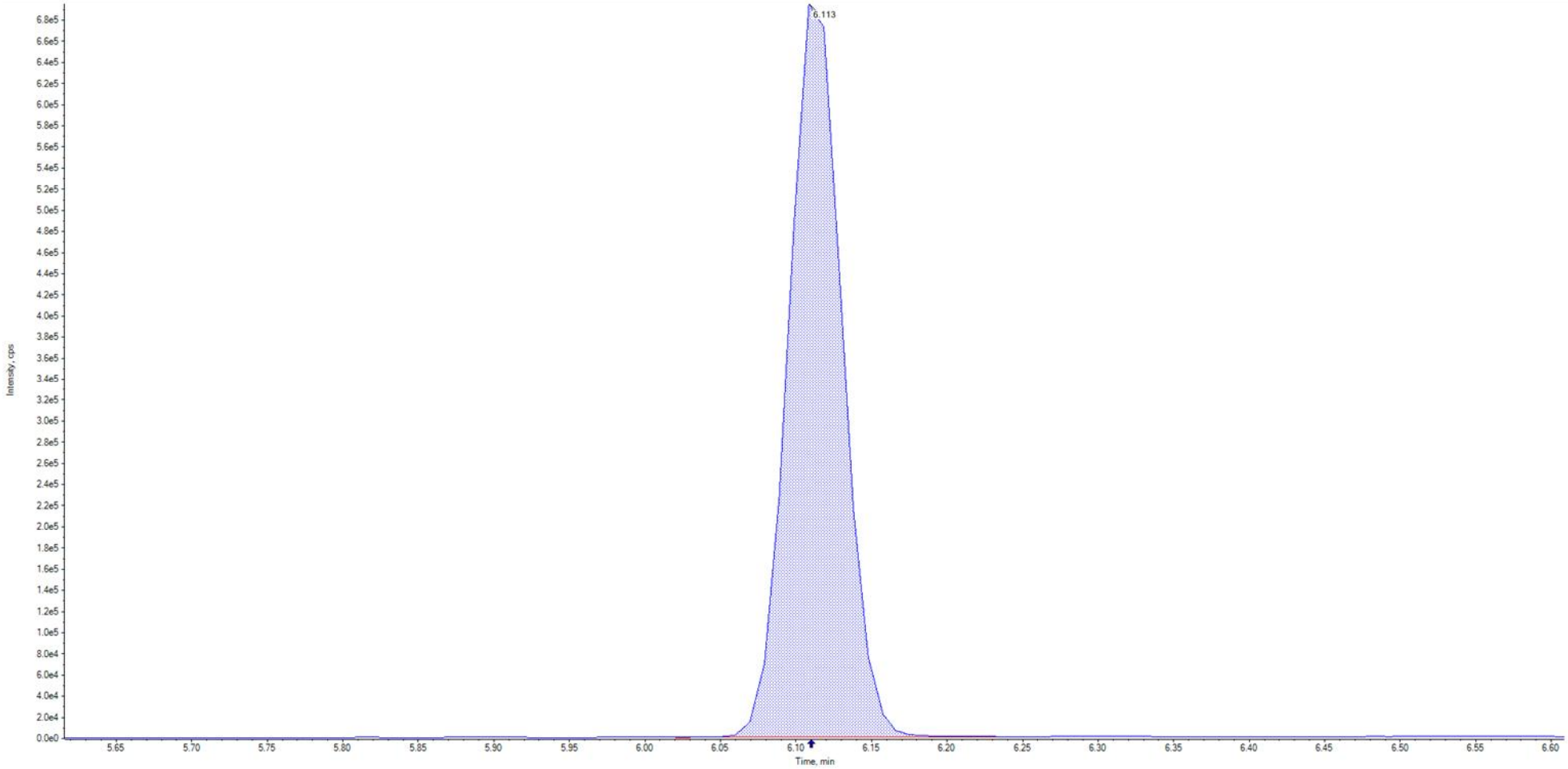

13C3-HFPO-DA
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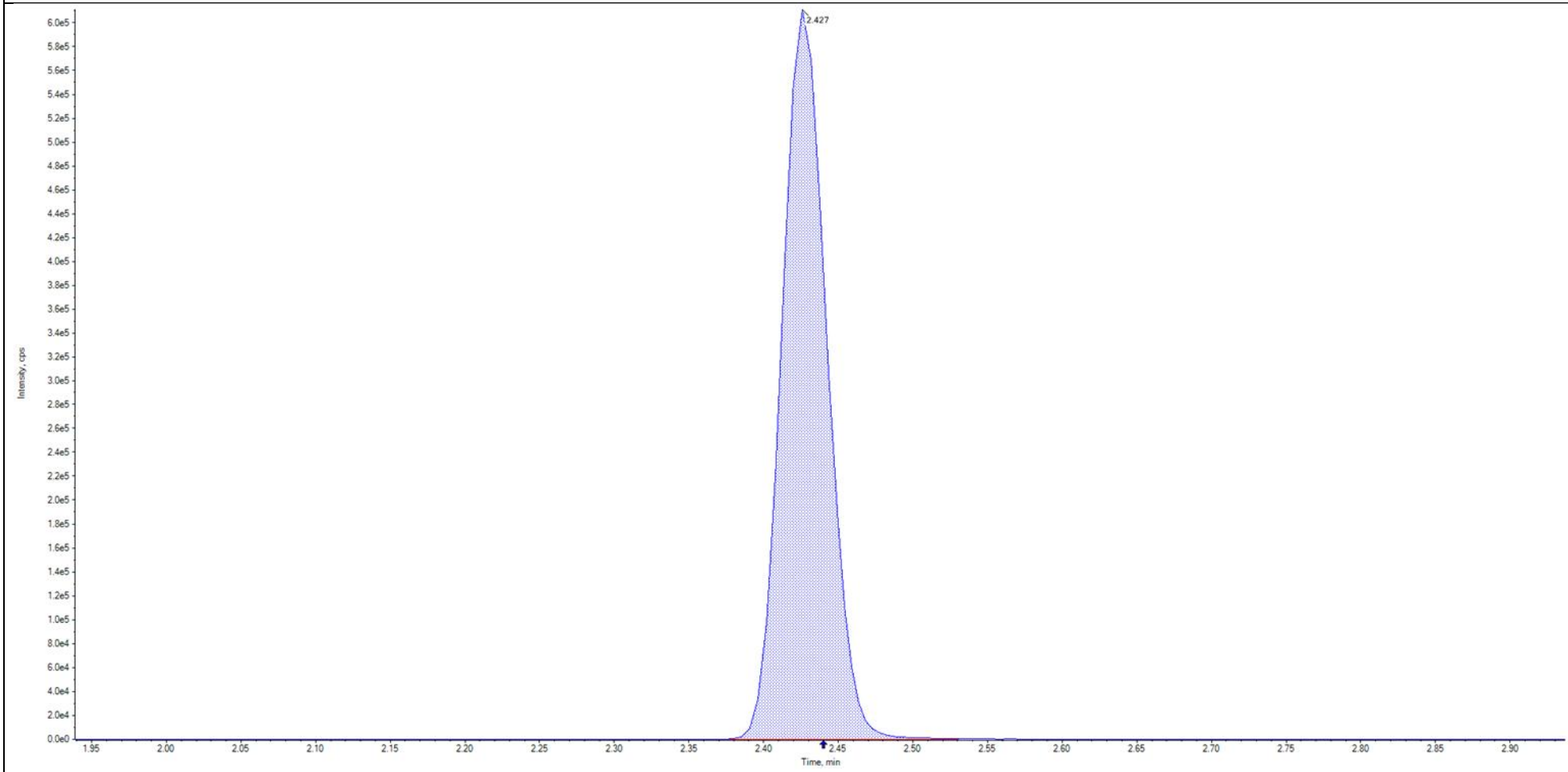

13C3-PFBA
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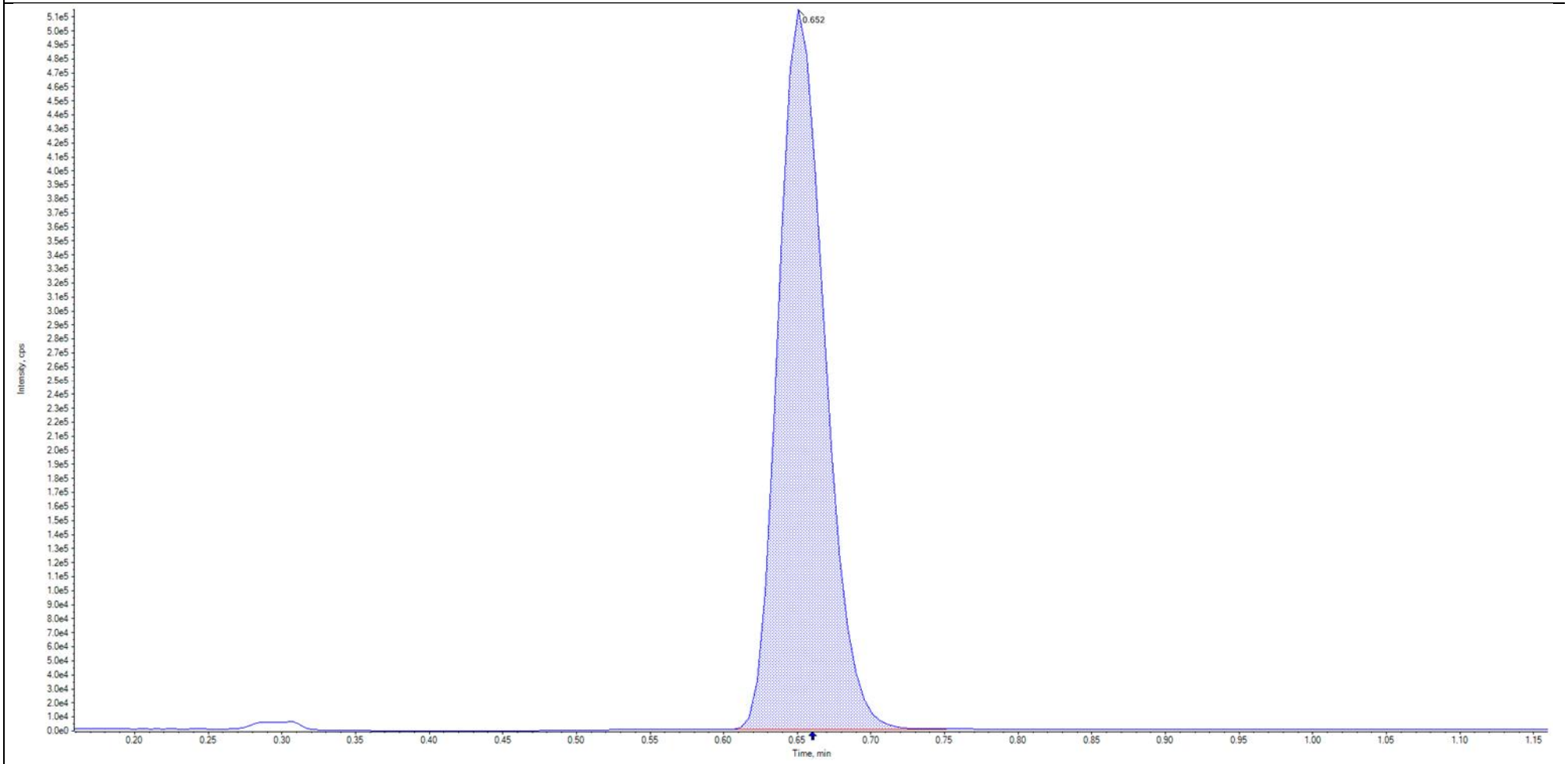

13C2-PFHxA
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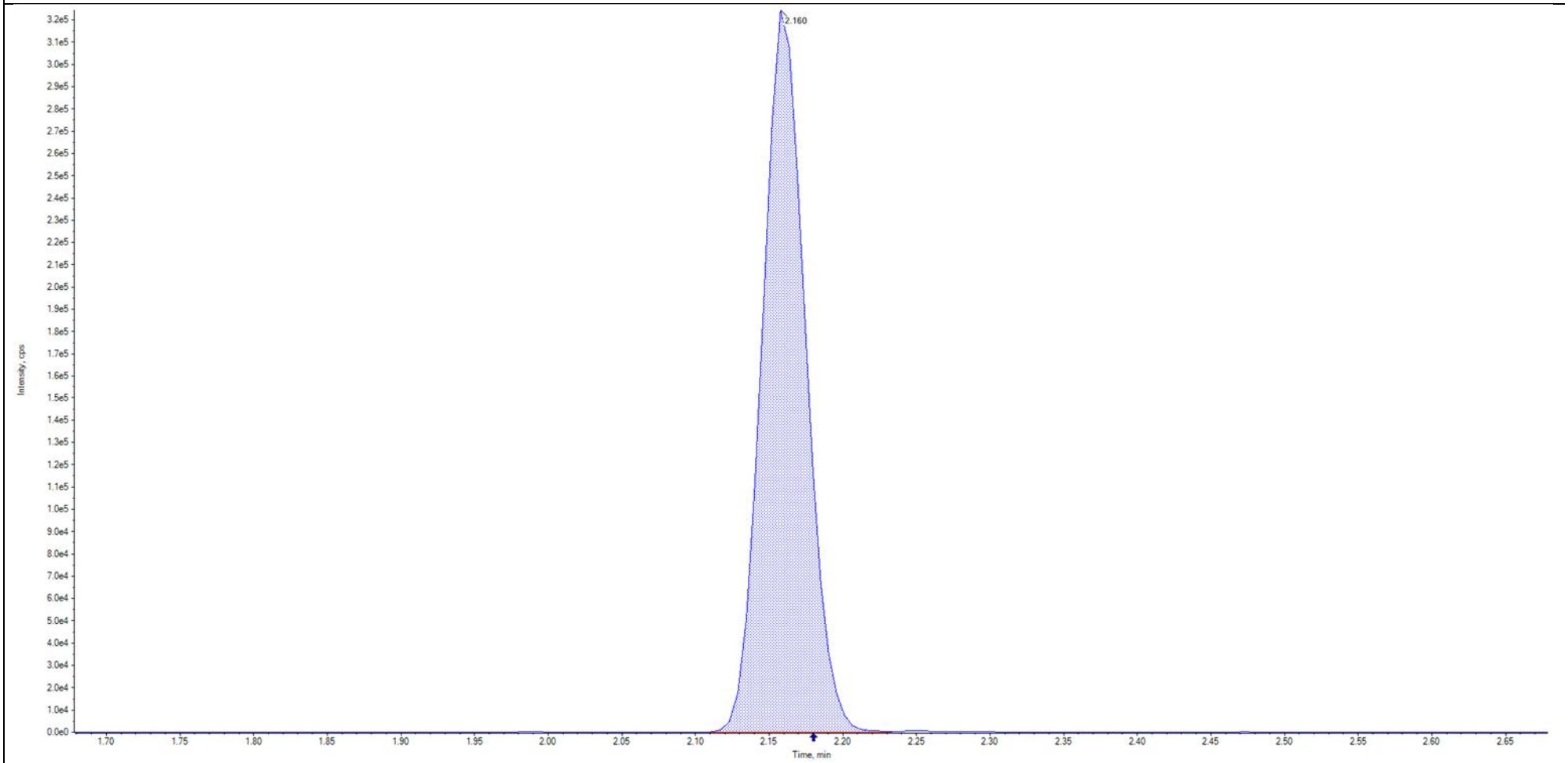

13C4-PFOA
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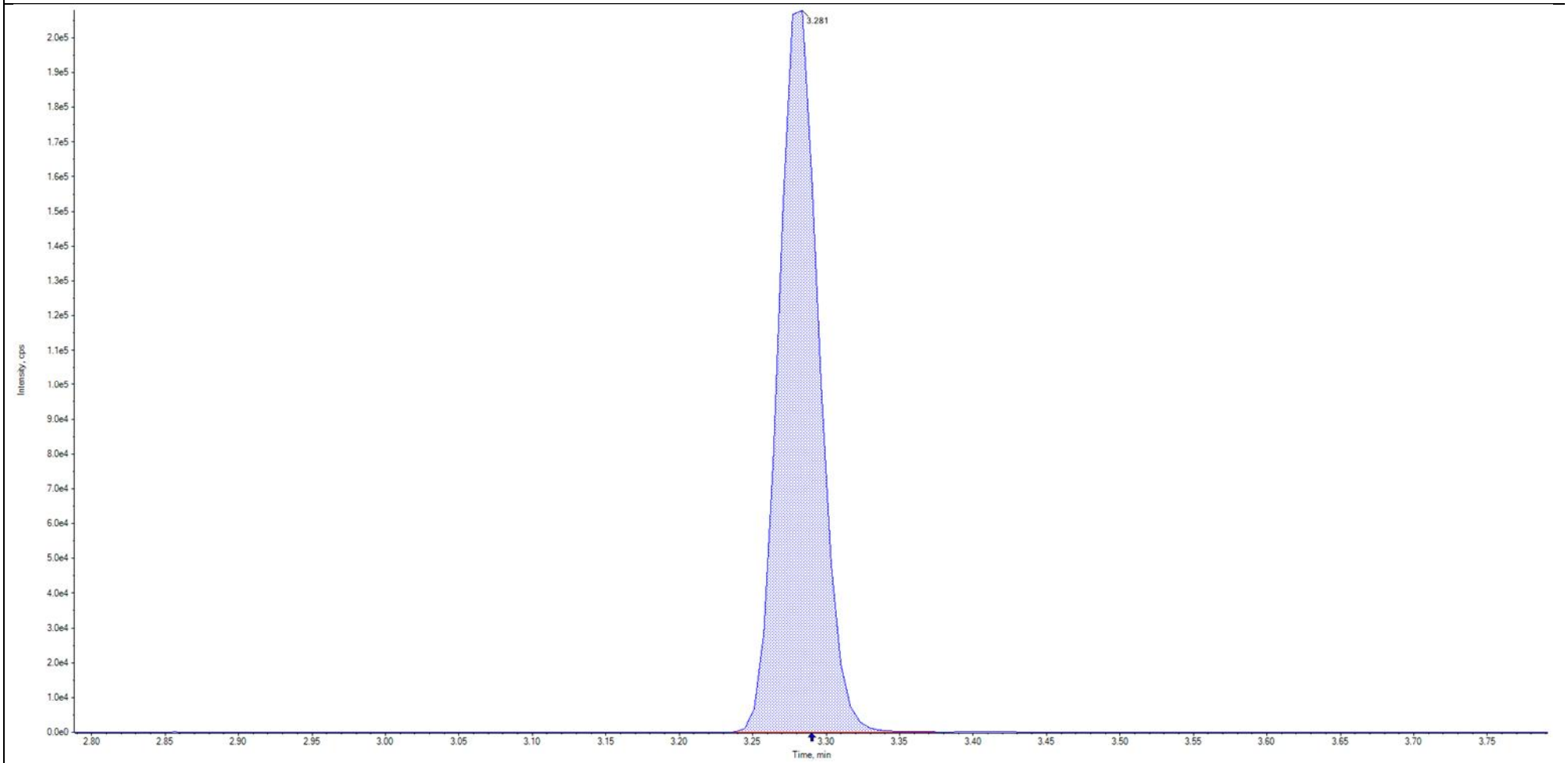

13C5-PFNA
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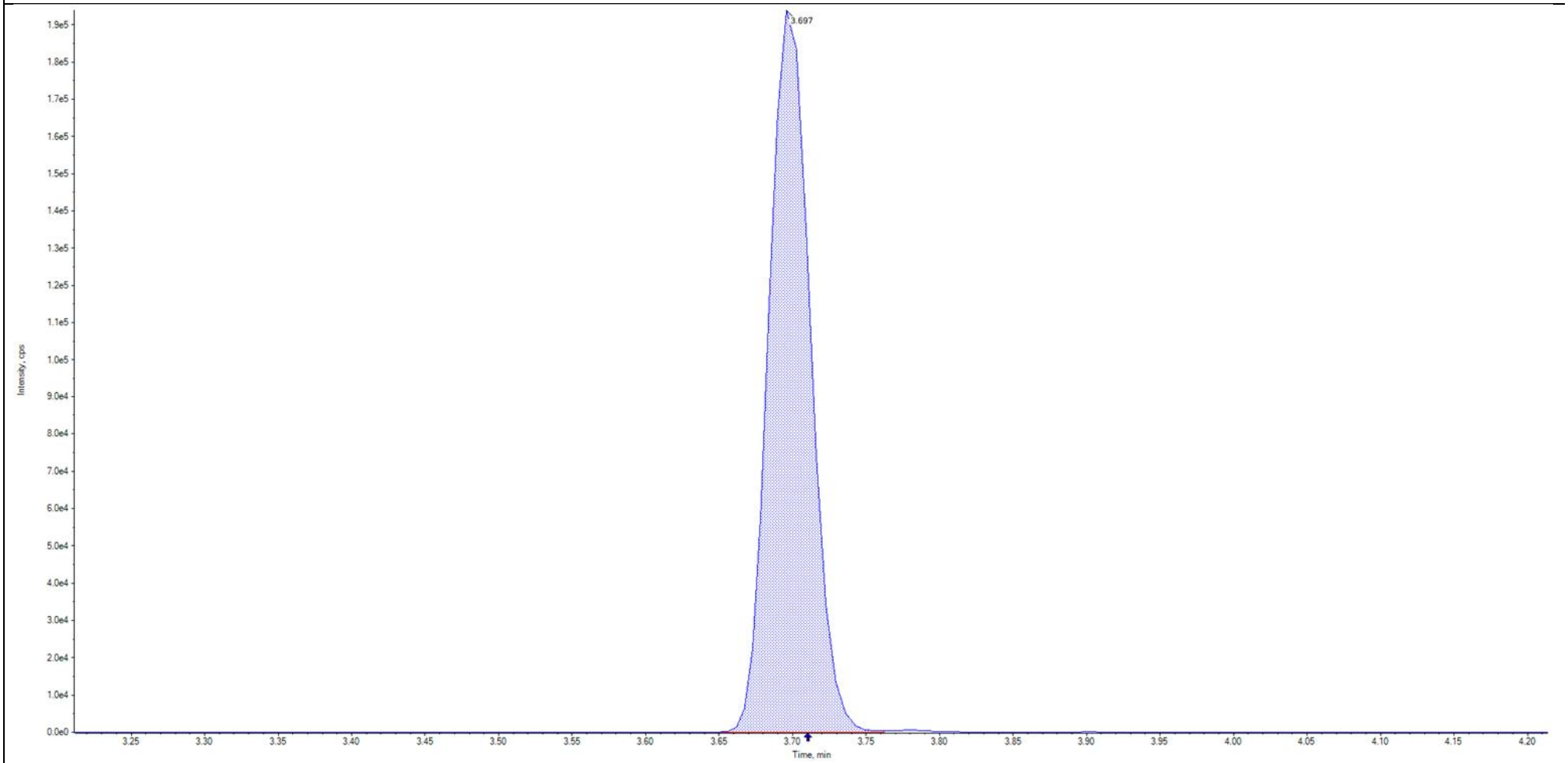

13C2-PFDA
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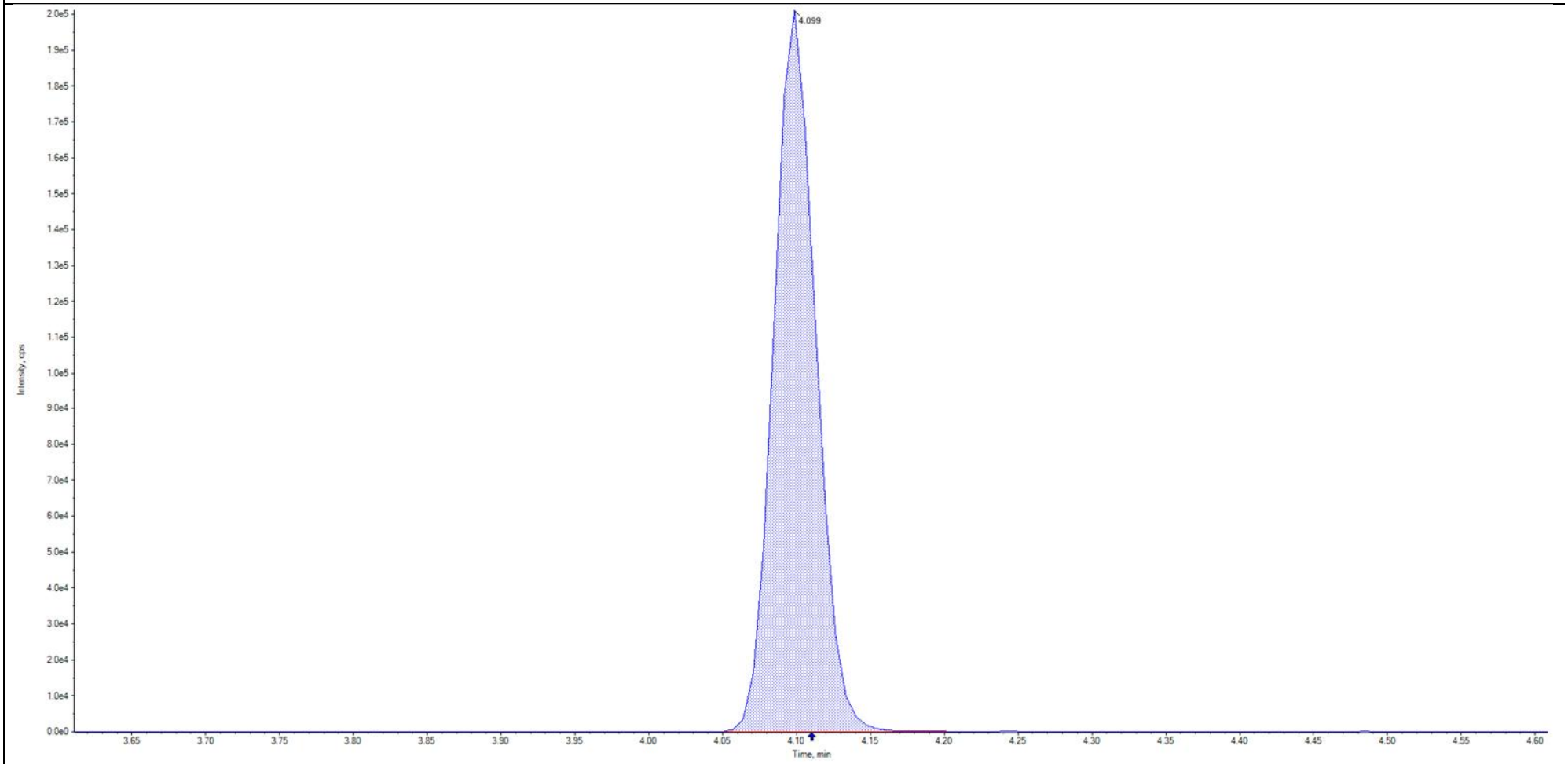

18O2-PFHxS
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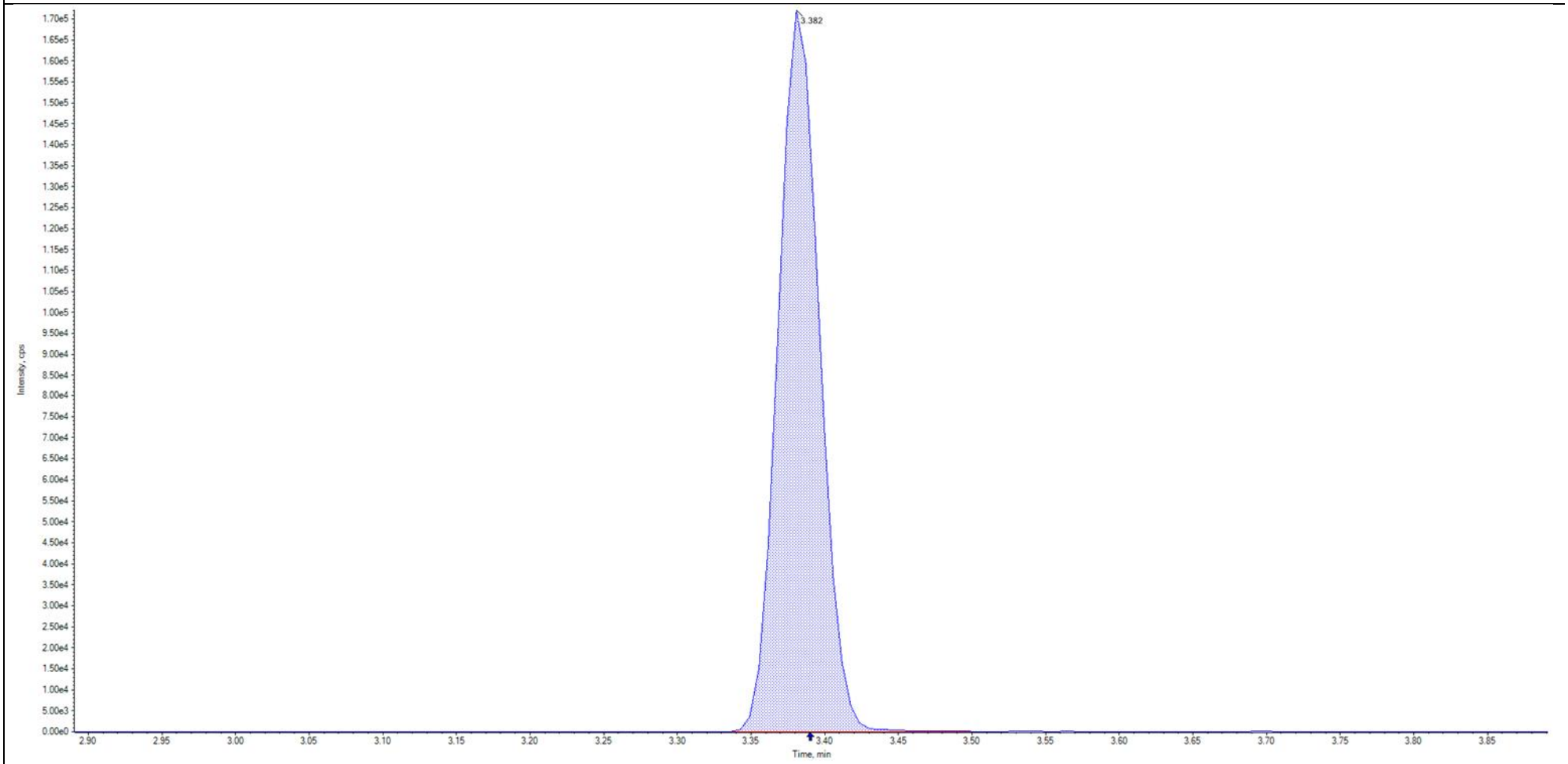

13C4-PFOS
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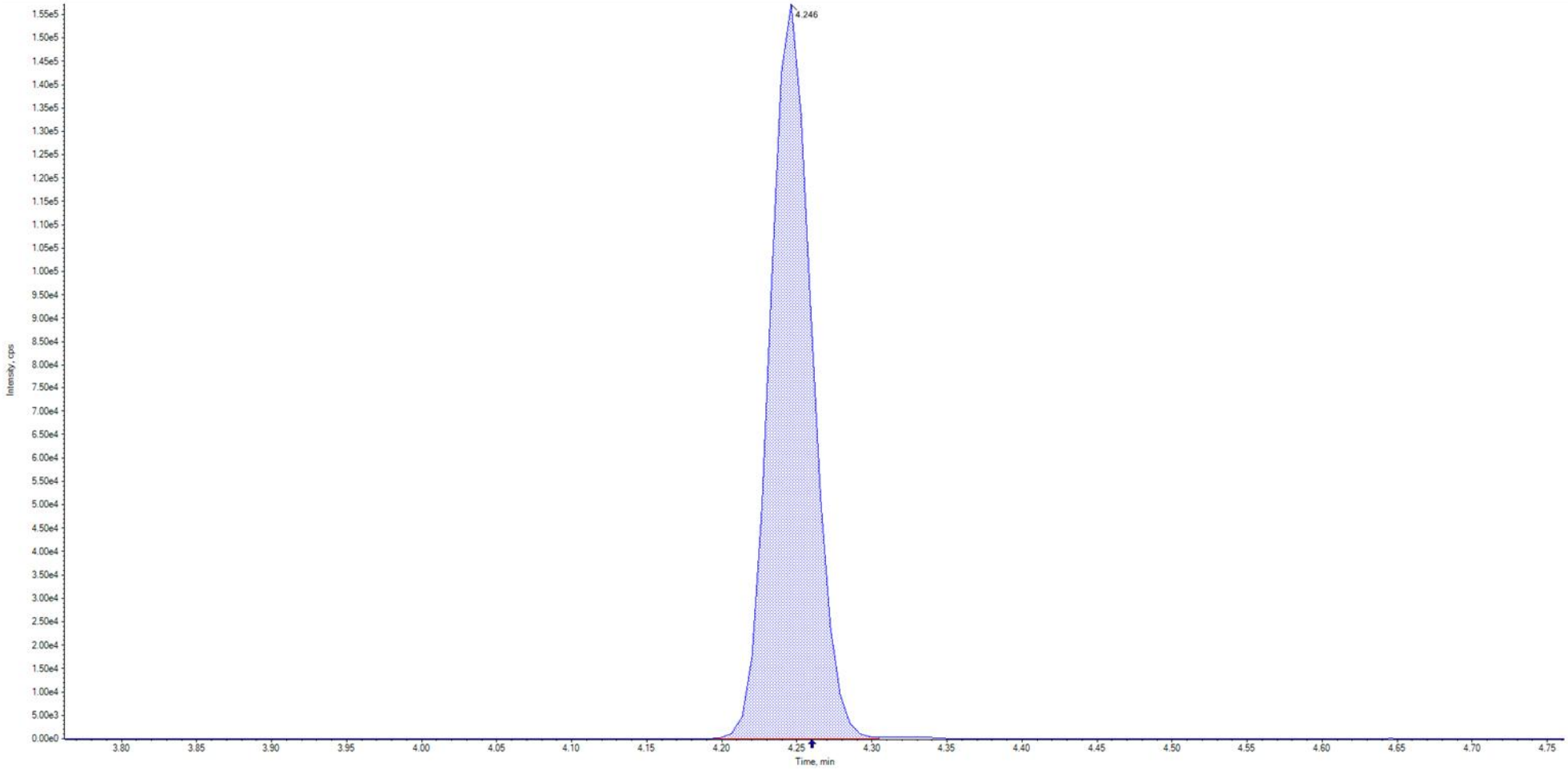

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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Instrument: SCIEX Triple Quad 5500+
User: LCMS05:PNB

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.66	213.0 / 169.0	2188415		10.076	N/A	N/A	N/A	100.8
2	PFPeA	2706-90-3	1.34	263.0 / 219.0	1030348		5.145	0.007	N/A	N/A	102.9
3	PFPeA_2	2706-90-3	1.34	263.0 / 68.9	7666		5.157	0.007	N/A	N/A	103.1
4	PFHxA	307-24-4	2.17	313.0 / 269.0	786636		2.717	0.074	0.089	Pass	108.7
5	PFHxA_2	307-24-4	2.17	313.0 / 119.0	58107		2.719	0.074	0.089	Pass	108.8
6	PFHpA	375-85-9	2.83	363.1 / 319.0	823094		2.616	0.320	0.332	Pass	104.6
7	PFHpA_2	375-85-9	2.83	363.1 / 169.0	263134		2.609	0.320	0.332	Pass	104.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.29	413.1 / 369.1	829959	M5	2.500	0.369	0.369	Pass	100.0
9	PFOA_2	335-67-1	3.29	413.1 / 169.0	306371	M5	2.499	0.369	0.369	Pass	100.0
10	PFNA	375-95-1	3.70	462.8 / 418.9	760639	M5	2.374	0.312	0.303	Pass	95.0
11	PFNA_2	375-95-1	3.70	462.8 / 219.0	237490	M5	2.484	0.312	0.303	Pass	99.4
12	PFDA	335-76-2	4.10	513.1 / 469.1	754031		2.468	0.154	0.162	Pass	98.7
13	PFDA_2	335-76-2	4.10	513.1 / 219.0	116119		2.302	0.154	0.162	Pass	92.1
14	PFUnA	2058-94-8	4.50	563.1 / 519.1	594204		2.433	0.210	0.199	Pass	97.3
15	PFUnA_2	2058-94-8	4.50	563.1 / 269.0	124516		2.627	0.210	0.199	Pass	105.1
16	PFDoA	307-55-1	4.89	613.1 / 569.1	614697		2.643	0.185	0.180	Pass	105.7
17	PFDoA_2	307-55-1	4.89	613.1 / 319.0	113417		2.637	0.185	0.180	Pass	105.5
18	PFTrDA	72629-94-8	5.27	663.1 / 619.1	619815		2.688	0.160	0.160	Pass	107.5
19	PFTrDA_2	72629-94-8	5.27	663.1 / 169.0	99247		2.673	0.160	0.160	Pass	106.9
20	PFTeDA	376-06-7	5.65	713.1 / 669.1	652233		2.679	0.137	0.149	Pass	107.2
21	PFTeDA_2	376-06-7	5.65	713.1 / 169.0	89636		2.523	0.137	0.149	Pass	100.9
22	PFBS	375-73-5	2.16	299.1 / 80.1	439257		2.146	0.393	0.388	Pass	96.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.16	299.1 / 99.1	172657		2.123	0.393	0.388	Pass	95.6
24	PFPeS	2706-91-4	2.89	349.1 / 80.1	456711		2.514	0.316	0.297	Pass	107.0
25	PFPeS_2	2706-91-4	2.88	349.1 / 99.1	144391		2.737	0.316	0.297	Pass	116.5
26	PFHxS	355-46-4	3.38	399.1 / 80.1	381749	M5	2.330	0.314	0.296	Pass	102.2
27	PFHxS_2	355-46-4	3.38	399.1 / 99.1	120043	M5	2.383	0.314	0.296	Pass	104.5
28	PFHpS	375-92-8	3.83	449.1 / 80.1	386962		2.374	0.283	0.258	Pass	99.7
29	PFHpS_2	375-92-8	3.83	449.1 / 99.1	109317		2.549	0.283	0.258	Pass	107.1
30	PFOS	1763-23-1	4.25	499.1 / 80.1	397281	M5	2.208	0.229	0.233	Pass	95.2
31	PFOS_2	1763-23-1	4.25	499.1 / 99.1	90983	M5	2.267	0.229	0.233	Pass	97.7
32	PFNS	68259-12-1	4.66	549.1 / 80.1	278848		2.355	0.299	0.296	Pass	98.1
33	PFNS_2	68259-12-1	4.66	549.1 / 99.1	83501		2.408	0.299	0.296	Pass	100.3
34	PFDS	335-77-3	5.05	599.1 / 80.1	277370		2.381	0.277	0.272	Pass	98.8
35	PFDS_2	335-77-3	5.05	599.1 / 99.1	76697		2.350	0.277	0.272	Pass	97.5
36	PFDoS	79780-39-5	5.80	699.2 / 80.1	256721		2.404	0.263	0.263	Pass	99.4
37	PFDoS_2	79780-39-5	5.80	699.2 / 99.1	67399		2.405	0.263	0.263	Pass	99.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.93	327.1 / 307.1	562638		10.017	0.559	0.559	Pass	106.9
39	4:2FTS_2	757124-72-4	1.93	327.1 / 81.1	314616		9.924	0.559	0.559	Pass	105.9
40	6:2FTS	27619-97-2	3.11	427.2 / 407.2	453397		10.155	0.625	0.593	Pass	106.8
41	6:2FTS_2	27619-97-2	3.11	427.2 / 81.1	283437		10.229	0.625	0.593	Pass	107.6
42	8:2FTS	39108-34-4	3.92	527.2 / 507.2	287373		10.329	0.794	0.759	Pass	107.6
43	8:2FTS_2	39108-34-4	3.92	527.2 / 81.1	228140		11.043	0.794	0.759	Pass	115.0
44	PFOSA	754-91-6	5.27	498.1 / 78.1	472044	M5	2.368	0.023	0.023	Pass	94.7
45	PFOSA_2	754-91-6	5.27	498.1 / 478.0	11058	M5	2.343	0.023	0.023	Pass	93.7
46	NMeFOSA	31506-32-8	5.98	512.2 / 219.0	102469	M5	2.369	1.523	1.457	Pass	94.8
47	NMeFOSA_2	31506-32-8	5.93	512.2 / 169.0	156079		2.485	1.523	1.457	Pass	99.4
48	NEtFOSA	4151-50-2	6.27	526.2 / 219.0	102484		2.520	1.302	1.309	Pass	100.8
49	NEtFOSA_2	4151-50-2	6.23	526.2 / 169.0	133470		2.501	1.302	1.309	Pass	100.0
50	NMeFOSAA	2355-31-9	4.19	570.2 / 419.1	72561	M5	2.738	0.758	0.804	Pass	109.5
51	NMeFOSAA_2	2355-31-9	4.19	570.2 / 483.0	54965		2.718	0.758	0.804	Pass	108.7
52	NEtFOSAA	2991-50-6	4.39	584.2 / 419.1	94437	M5	2.449	0.443	0.419	Pass	98.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.39	584.2 / 526.2	41799	M5	2.459	0.443	0.419	Pass	98.4
54	NMeFOSE	24448-09-7	5.85	616.1 / 58.9	3075312	M5	25.353	N/A	N/A	N/A	101.4
55	NEtFOSE	1691-99-2	6.14	630.0 / 58.9	5137152		25.655	N/A	N/A	N/A	102.6
56	HFPO-DA	13252-13-6	2.43	285.0 / 169.0	1256075		10.063	0.703	0.685	Pass	100.6
57	HFPO-DA_2	13252-13-6	2.43	285.0 / 184.9	882706		10.803	0.703	0.685	Pass	108.0
58	ADONA	919005-14-4	3.00	376.9 / 251.0	2127891		7.850	1.284	0.884	Pass	83.1
59	ADONA_2	919005-14-4	3.00	376.9 / 84.8	2732547		10.021	1.284	0.884	Pass	106.0
60	9Cl-PF3ONS	756426-58-1	4.53	530.8 / 351.1	4130104		10.644	0.311	0.325	Pass	114.1
61	9Cl-PF3ONS_2	756426-58-1	4.53	532.8 / 353.0	1285950		10.162	0.311	0.325	Pass	108.9
62	11Cl-PF3OUdS	763051-92-9	5.32	630.9 / 451.0	2542854		9.963	0.354	0.338	Pass	105.7
63	11Cl-PF3OUdS_2	763051-92-9	5.31	632.9 / 452.9	899902		10.050	0.354	0.338	Pass	106.6
64	3:3FTCA	356-02-5	1.71	241.1 / 177.1	133431		11.767	1.500	1.433	Pass	94.1
65	3:3FTCA_2	356-02-5	1.71	241.1 / 117.0	200144		11.477	1.500	1.433	Pass	91.8
66	5:3FTCA	914637-49-3	3.23	341.1 / 237.1	4862602		71.109	0.885	0.935	Pass	113.8
67	5:3FTCA_2	914637-49-3	3.23	341.1 / 217.0	4301968		67.971	0.885	0.935	Pass	108.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.18	441.1 / 316.9	2560481		52.193	1.875	1.712	Pass	83.5
69	7:3FTCA_2	812-70-4	4.18	441.1 / 337.1	4800896		62.827	1.875	1.712	Pass	100.5
70	PFEESA	113507-82-7	2.53	315.1 / 135.0	2972420		5.210	0.076	0.084	Pass	116.8
71	PFEESA_2	113507-82-7	2.53	315.1 / 82.9	225783		4.643	0.076	0.084	Pass	104.1
72	PFMPA	377-73-1	0.84	229.0 / 85.0	1342999		4.616	N/A	N/A	N/A	92.3
73	PFMBA	863090-89-5	1.64	279.0 / 85.0	1407721		4.858	N/A	N/A	N/A	97.2
74	NFDHA	151772-58-6	2.08	295.0 / 201.0	575666		5.841	0.690	0.781	Pass	116.8
75	NFDHA_2	151772-58-6	2.08	295.0 / 84.9	397268		5.247	0.690	0.781	Pass	105.0
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.150	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.150	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.92	333.2 / 312.1	186110		4.795	N/A	N/A	N/A	95.9
79	13C2-PFOA	Surr	3.28	415.0 / 370.0	378566		2.409	N/A	N/A	N/A	96.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.65	217.0 / 172.0	2575116		9.991	NA	NA	NA	99.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.34	268.0 / 223.0	1156776		4.874	NA	NA	NA	97.5
	13C5-PFHxA	EIS	2.16	318.0 / 273.0	472225		2.315	NA	NA	NA	92.6
	13C4-PFHpA	EIS	2.82	367.0 / 322.0	330270		2.358	NA	NA	NA	94.3
	13C8-PFOA	EIS	3.28	420.8 / 376.0	1141060		2.543	NA	NA	NA	101.7
	13C9-PFNA	EIS	3.70	472.0 / 427.0	472916		1.312	NA	NA	NA	105.0
	13C6-PFDA	EIS	4.10	519.0 / 474.0	466700		1.201	NA	NA	NA	96.1
	13C7-PFUnA	EIS	4.49	570.0 / 525.0	396222		1.181	NA	NA	NA	94.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.89	615.1 / 570.0	304593		1.090	NA	NA	NA	87.2
	13C2-PFTeDA	EIS	5.64	715.1 / 670.1	271761		1.086	NA	NA	NA	86.9
	13C3-PFBS	EIS	2.15	302.1 / 80.1	498116		2.430	NA	NA	NA	104.3
	13C3-PFHxS	EIS	3.38	402.1 / 80.1	389090		2.190	NA	NA	NA	92.4
	13C8-PFOS	EIS	4.25	507.1 / 80.1	434265		2.408	NA	NA	NA	100.3
	13C2-4:2FTS	EIS	1.93	329.1 / 81.1	143537		4.220	NA	NA	NA	90.0
	13C2-6:2FTS	EIS	3.11	429.2 / 81.1	135289		4.305	NA	NA	NA	90.4
	13C2-8:2FTS	EIS	3.92	529.2 / 81.1	120884		4.280	NA	NA	NA	89.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.27	506.1 / 78.1	722284		2.512	NA	NA	NA	100.5
	d3-NMeFOSA	EIS	5.97	515.2 / 219.0	105207		2.488	NA	NA	NA	99.5
	d5-NEtFOSA	EIS	6.25	531.2 / 219.0	94177		2.389	NA	NA	NA	95.6
	d3-NMeFOSAA	EIS	4.19	573.2 / 419.1	180771		4.062	NA	NA	NA	81.2
	d5-NEtFOSAA	EIS	4.38	589.3 / 419.1	199870		4.669	NA	NA	NA	93.4
	d7-NMeFOSE	EIS	5.83	623.2 / 58.9	1173882		23.483	NA	NA	NA	93.9
	d9-NEtFOSE	EIS	6.12	639.2 / 58.9	1747957		24.130	NA	NA	NA	96.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.43	287.0 / 169.0	1351467		9.094	NA	NA	NA	90.9
	13C3-PFBA	NIS	0.65	216.0 / 172.0	1146564		5.796	NA	NA	NA	115.9
	13C2-PFHxA	NIS	2.16	315.0 / 270.0	713114		2.713	NA	NA	NA	108.5
	13C4-PFOA	NIS	3.28	417.0 / 372.0	441853		2.550	NA	NA	NA	102.0
	13C5-PFNA	NIS	3.70	468.0 / 423.0	406511		1.306	NA	NA	NA	104.5
	13C2-PFDA	NIS	4.10	515.1 / 470.1	451850		1.426	NA	NA	NA	114.1
	18O2-PFHxS	NIS	3.38	403.1 / 84.1	359845		2.546	NA	NA	NA	107.4
	13C4-PFOS	NIS	4.25	503.1 / 80.1	313244		2.530	NA	NA	NA	105.4

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

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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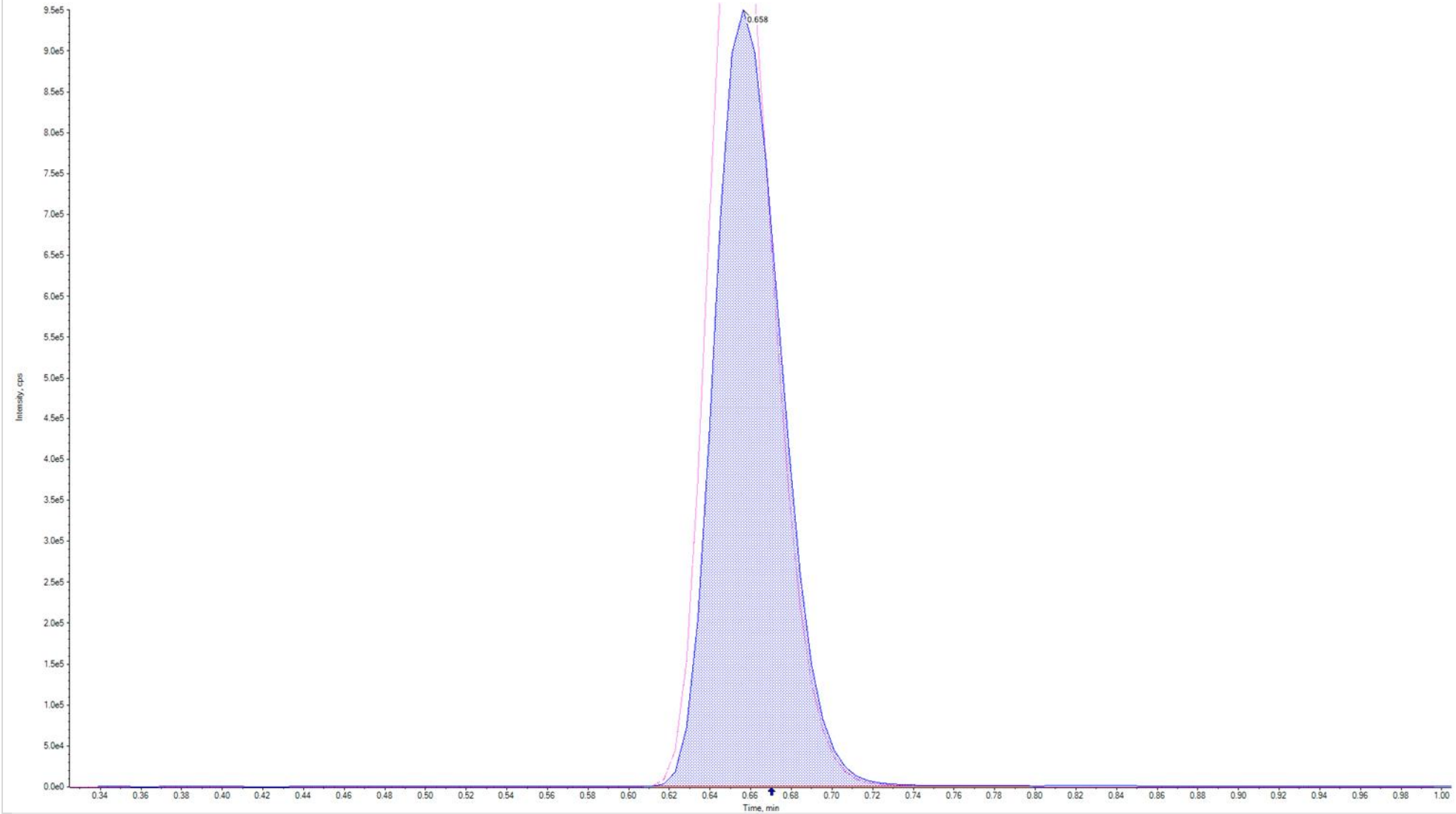
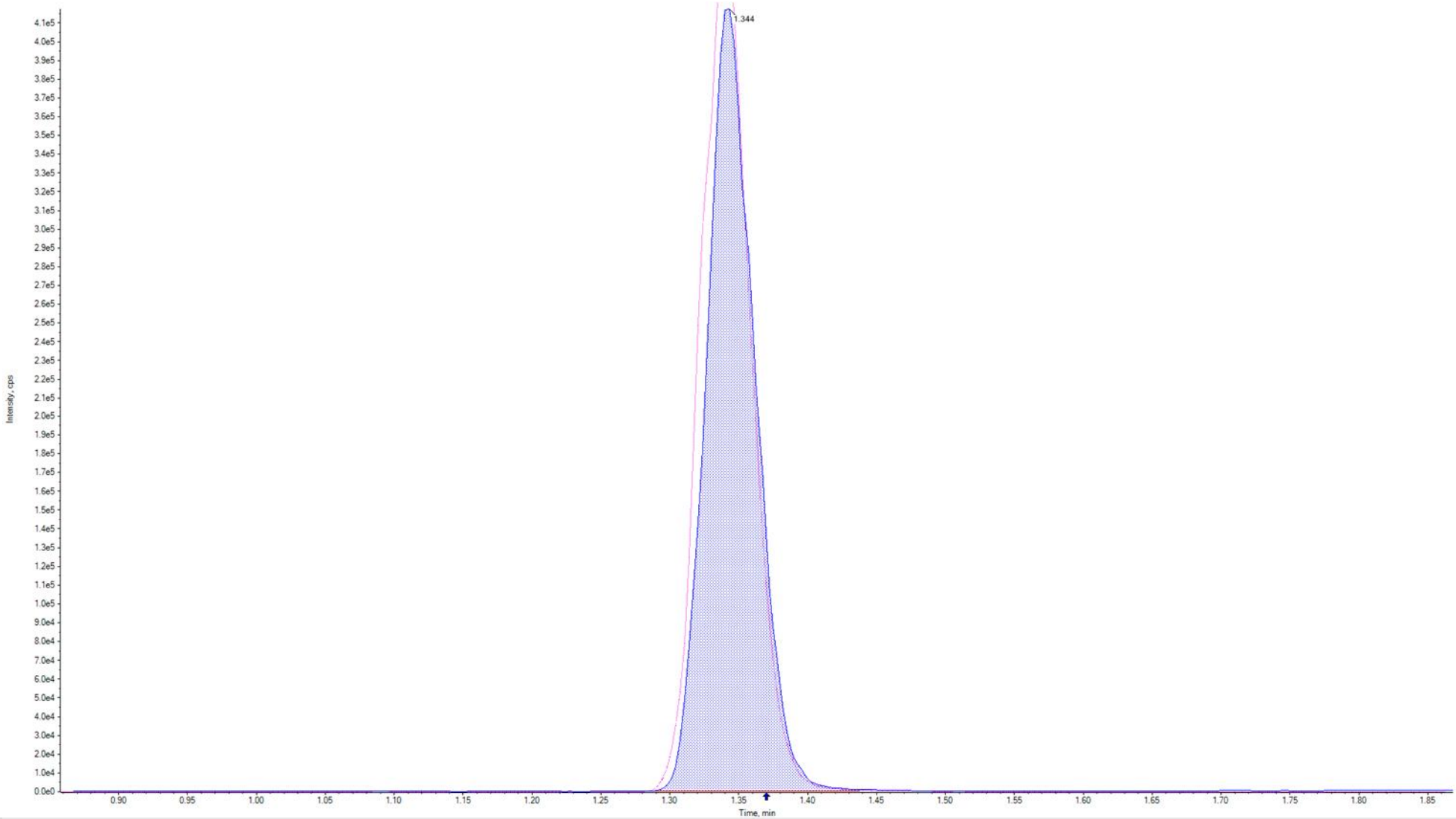
PFBA
Sample: IA1633STD-2.5 S/N:2224.0 Points Across peak:42



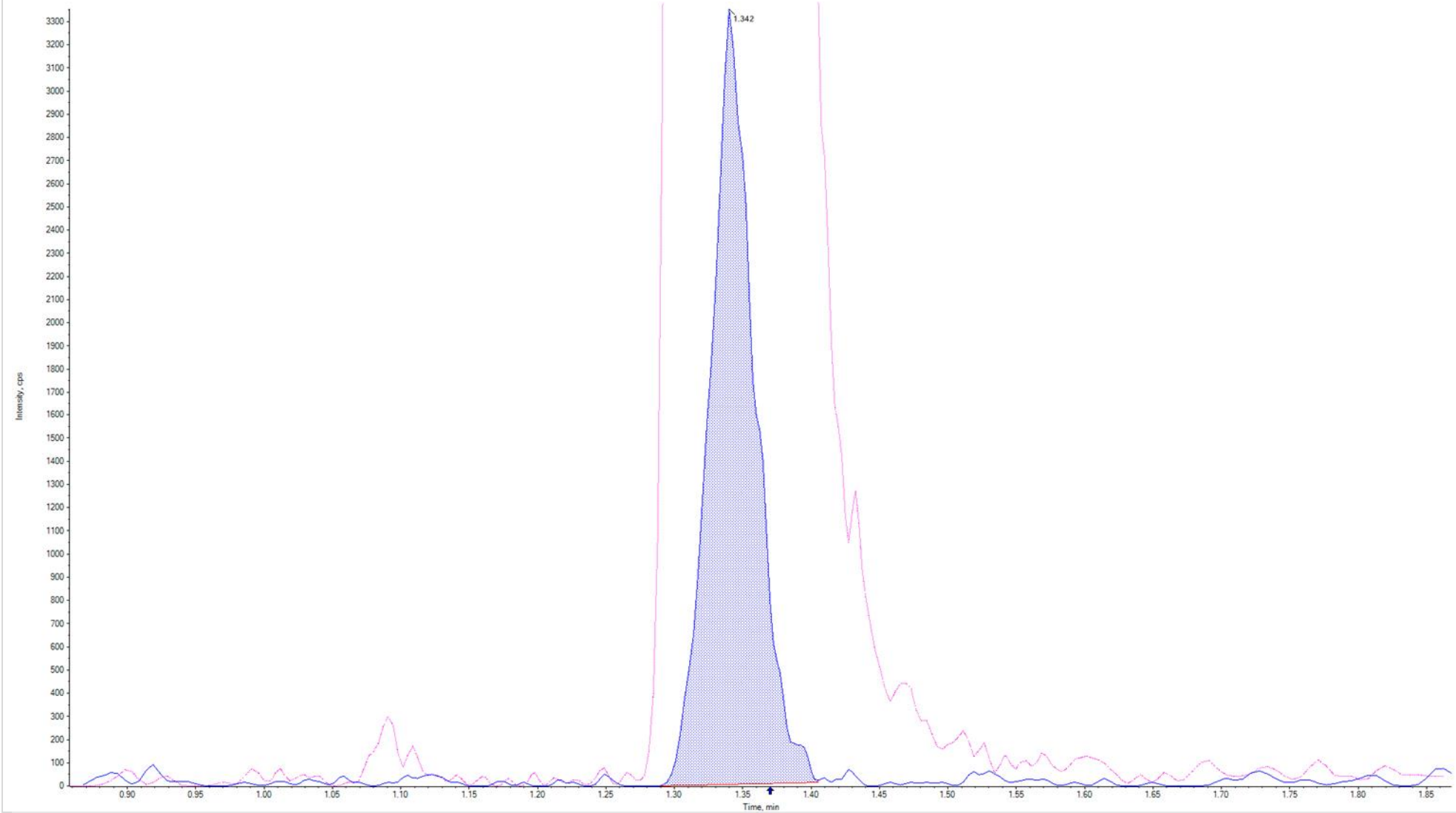
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFPeA
Sample: IA1633STD-2.5 S/N:5572.3 Points Across peak:56



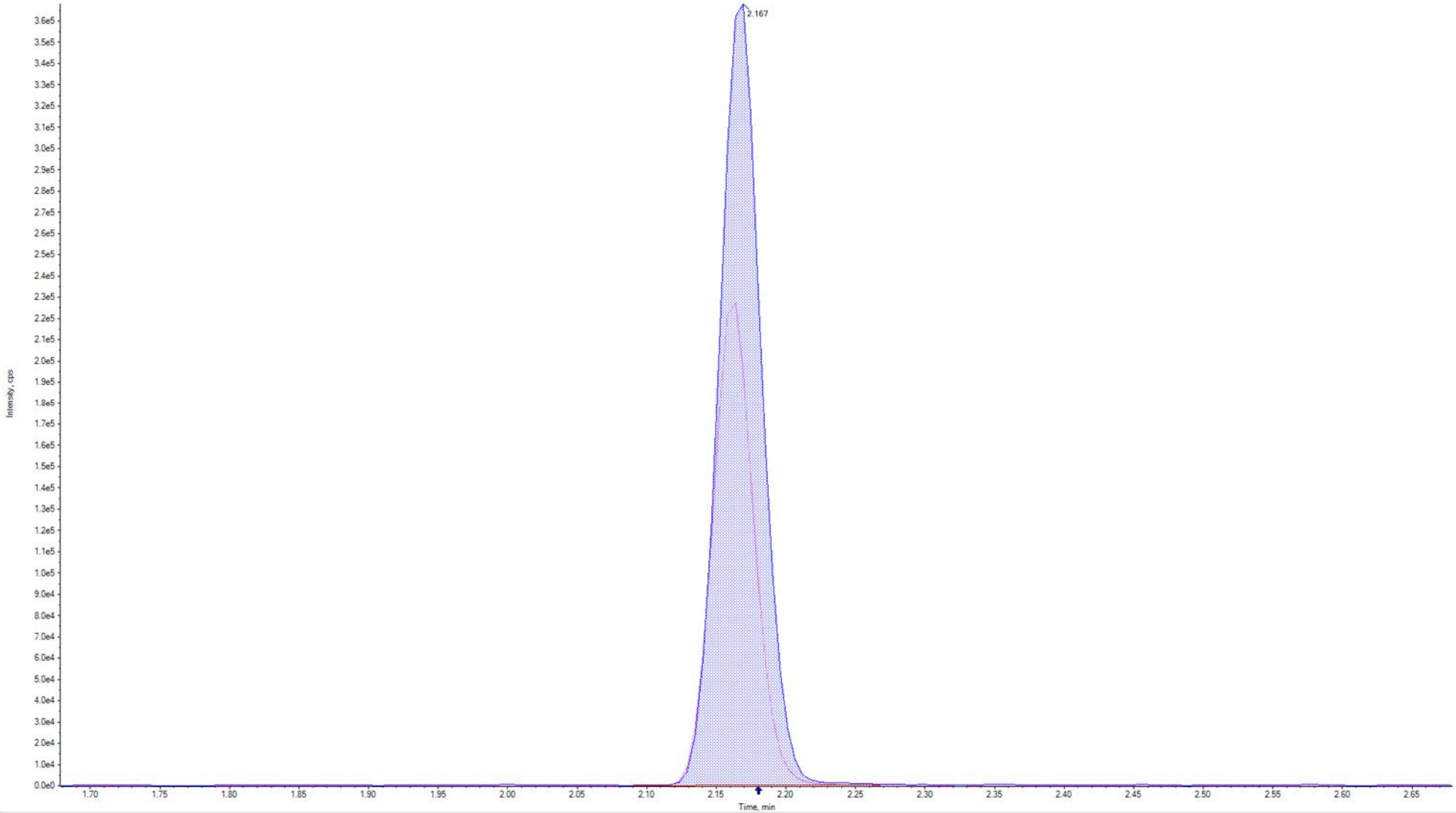
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFPeA_2
Sample: IA1633STD-2.5 S/N:201.3 Points Across peak:42



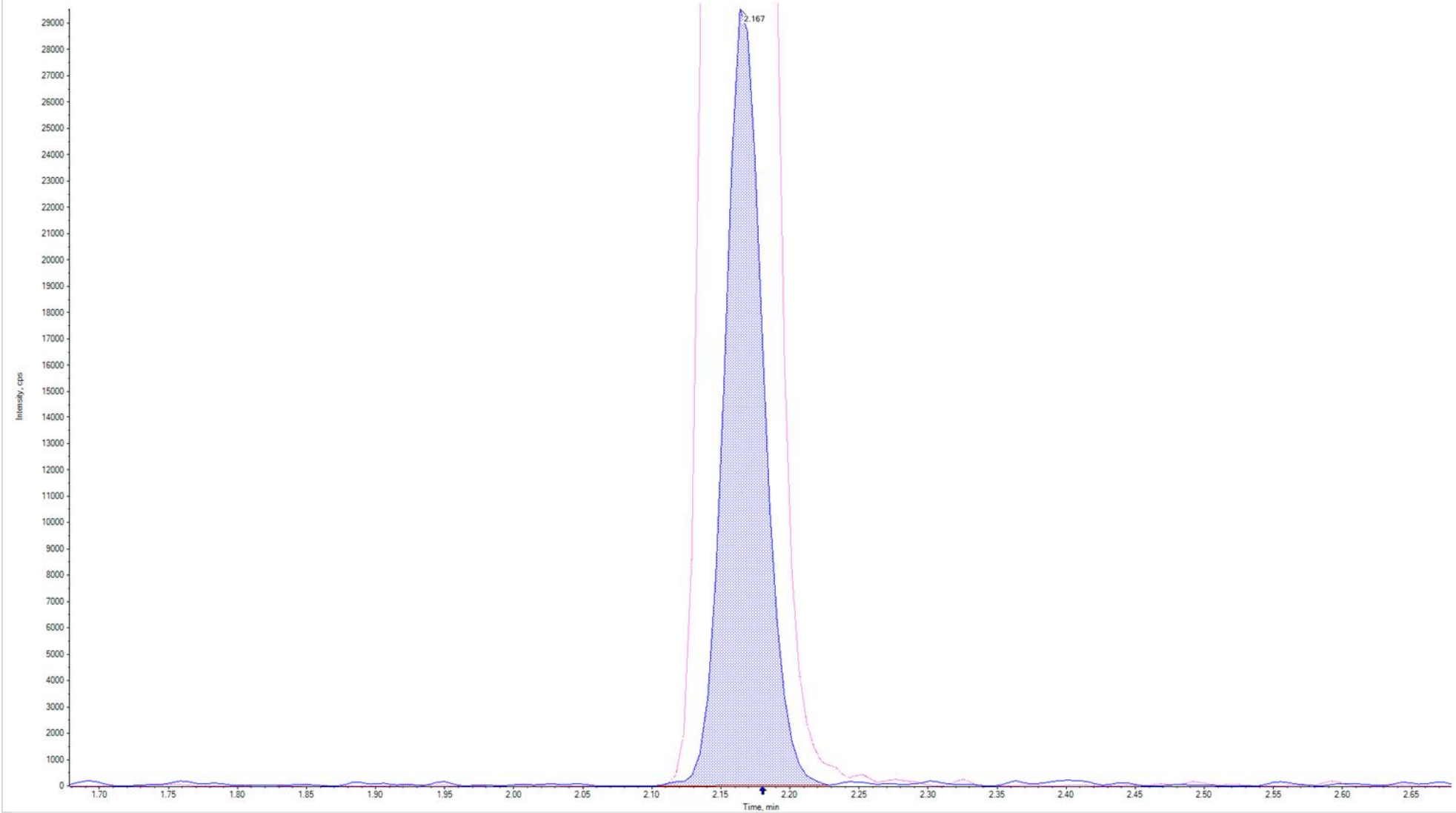
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFHxA
Sample: IA1633STD-2.5 S/N:4207.6 Points Across peak:35



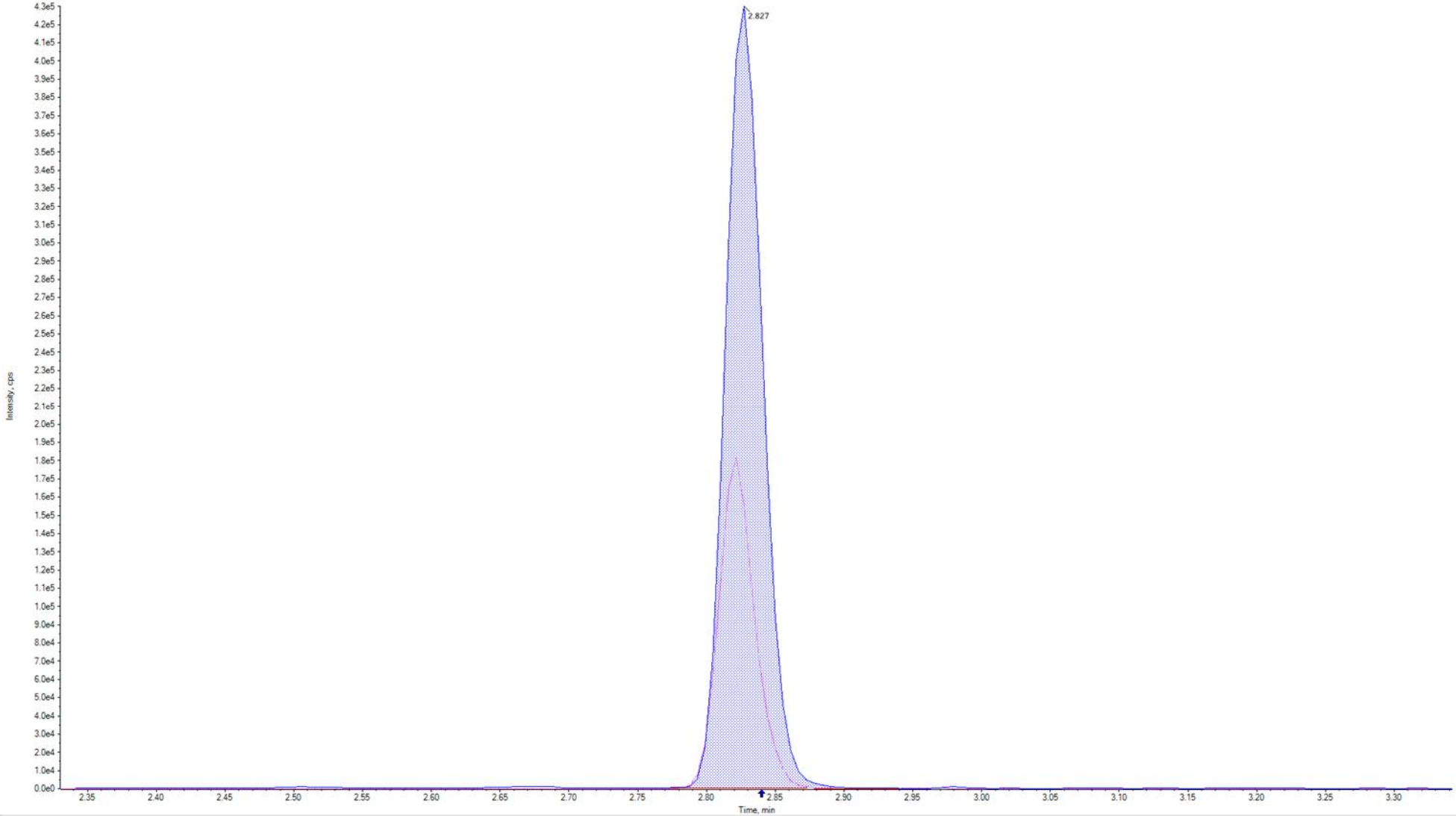
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFHxA_2
Sample: IA1633STD-2.5 S/N:739.9 Points Across peak:25



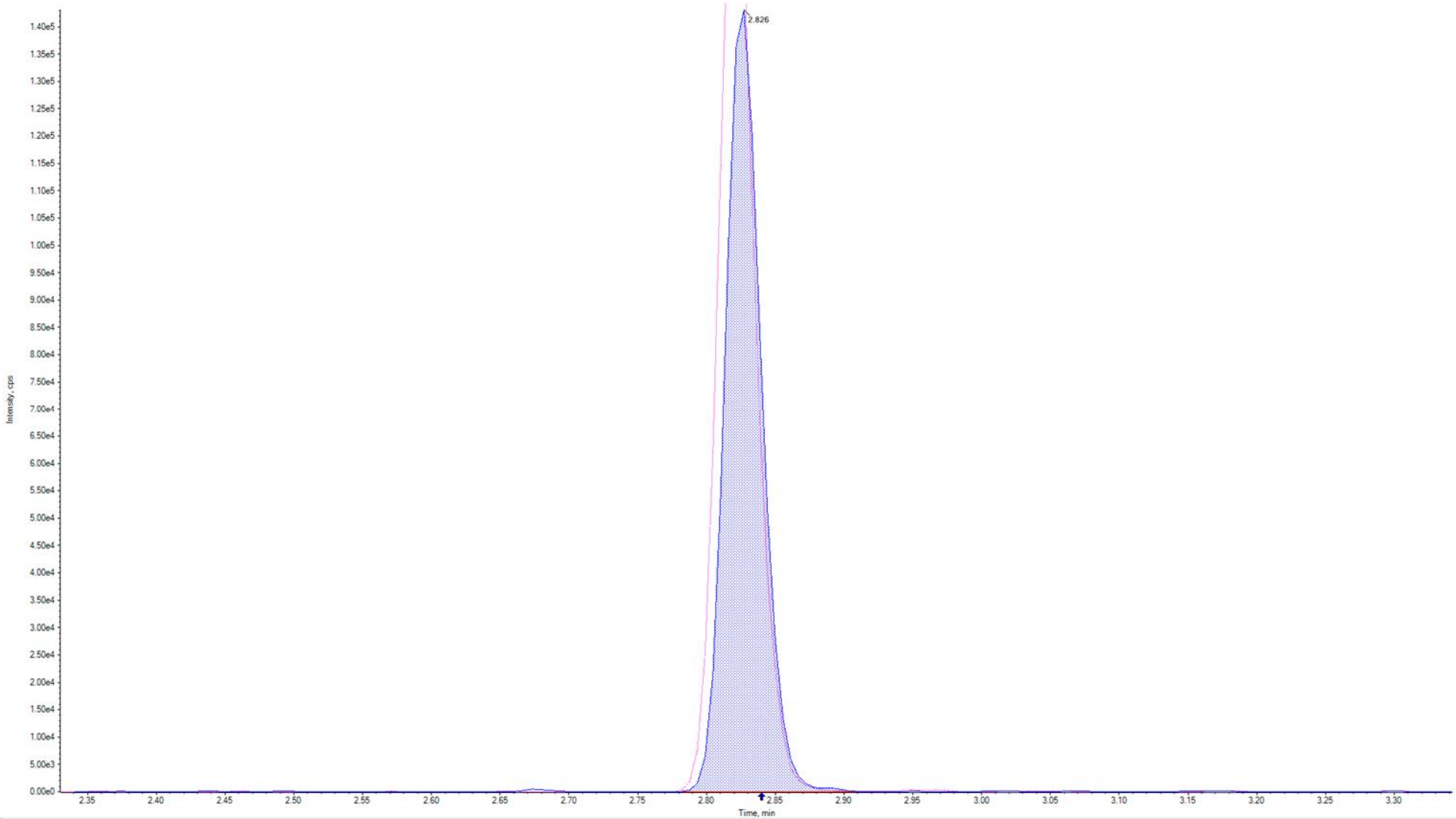
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFHpA
Sample: IA1633STD-2.5 S/N:6524.4 Points Across peak:35



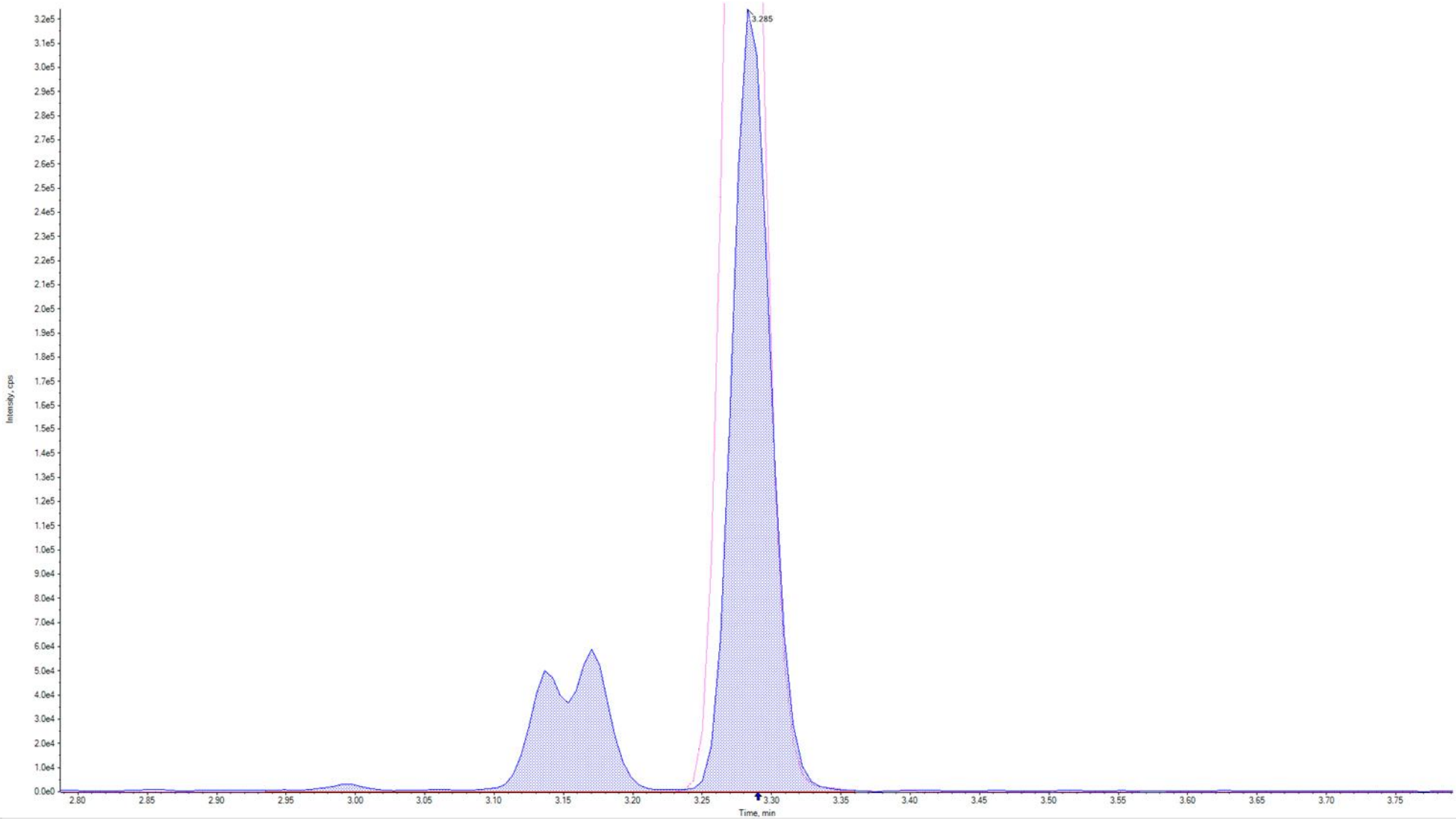
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFHpA_2
Sample: IA1633STD-2.5 S/N:2869.3 Points Across peak:26



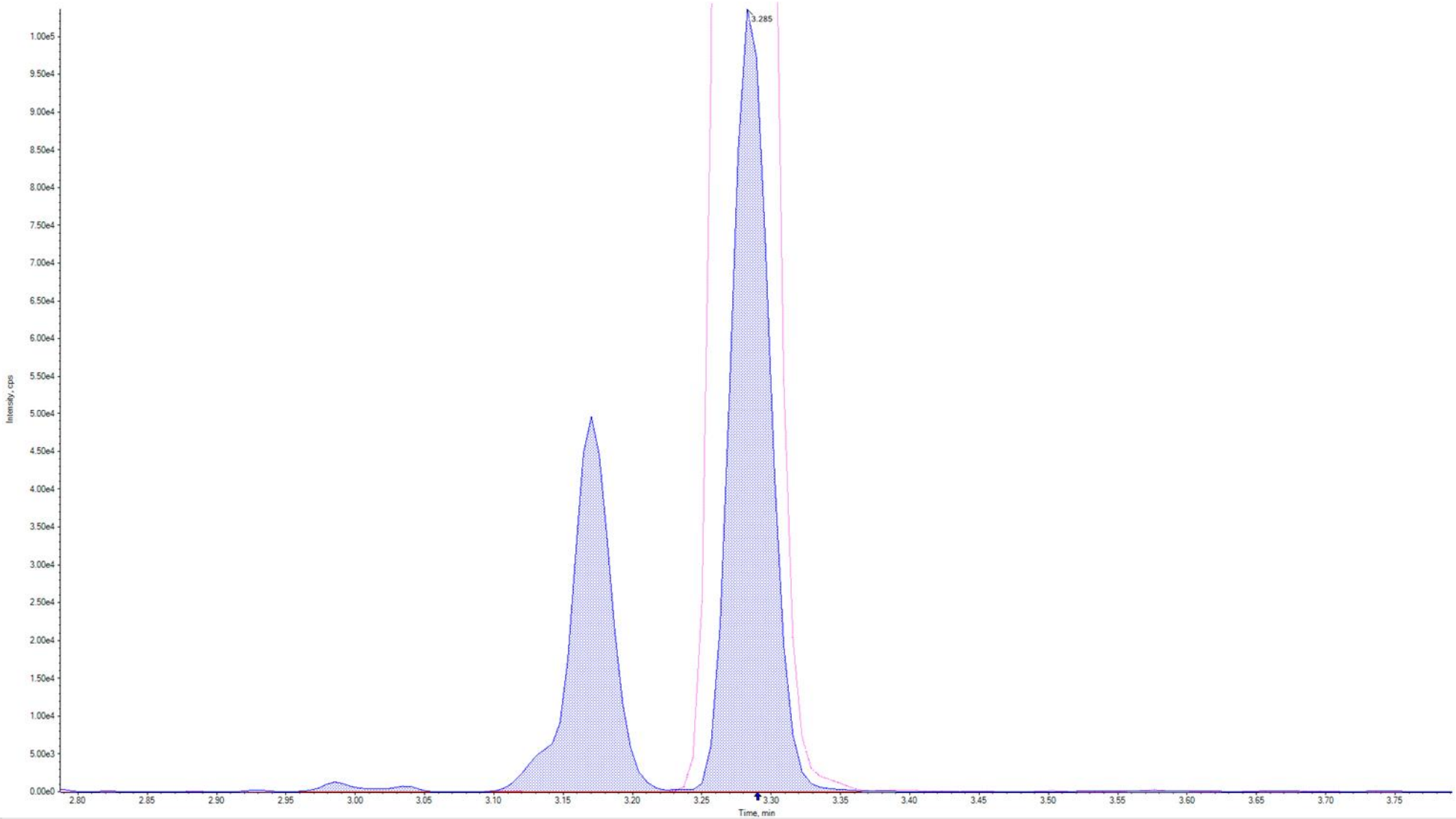
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOA
Sample: IA1633STD-2.5 S/N:558.1 Points Across peak:72



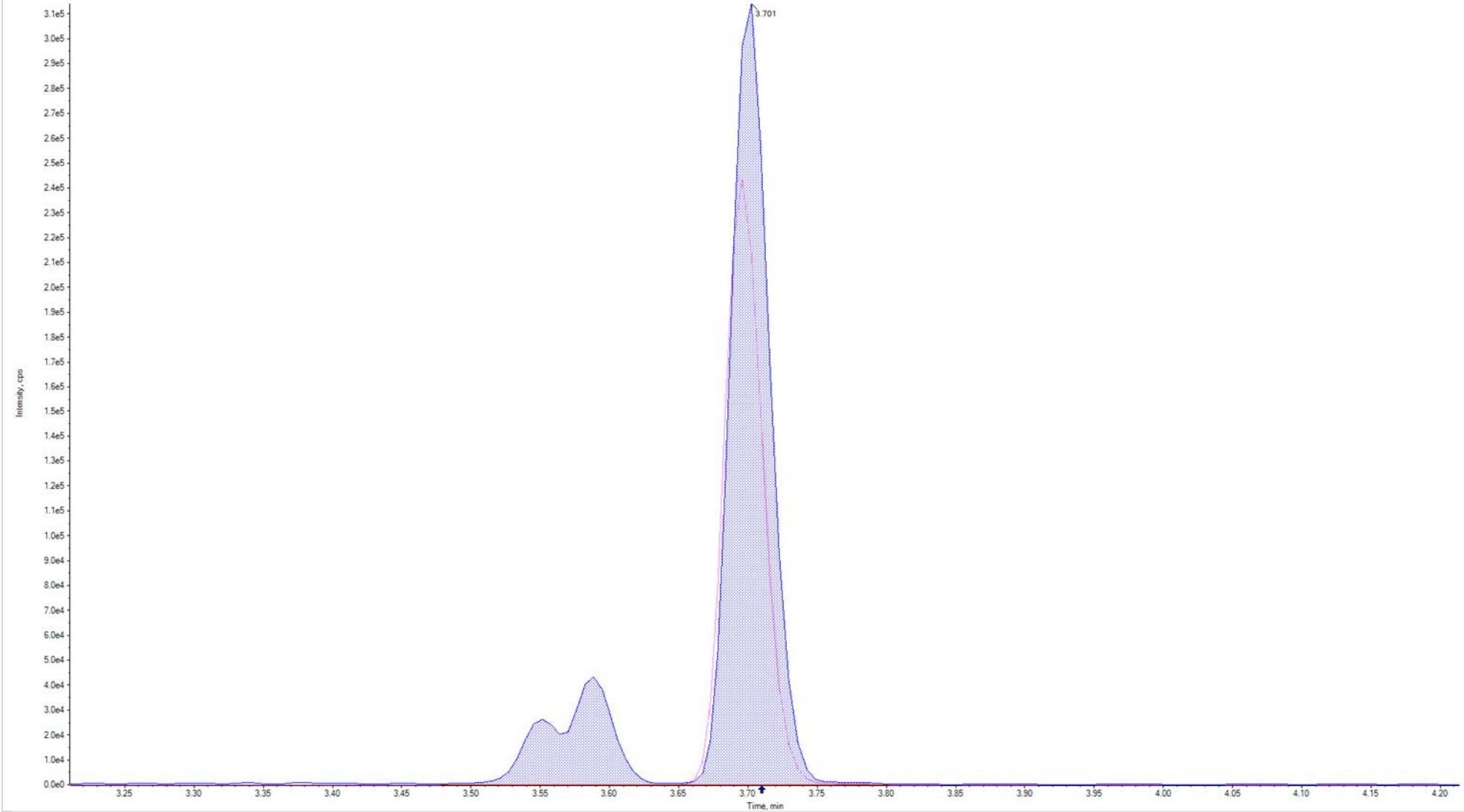
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOA_2
Sample: IA1633STD-2.5 S/N:452.7 Points Across peak:69



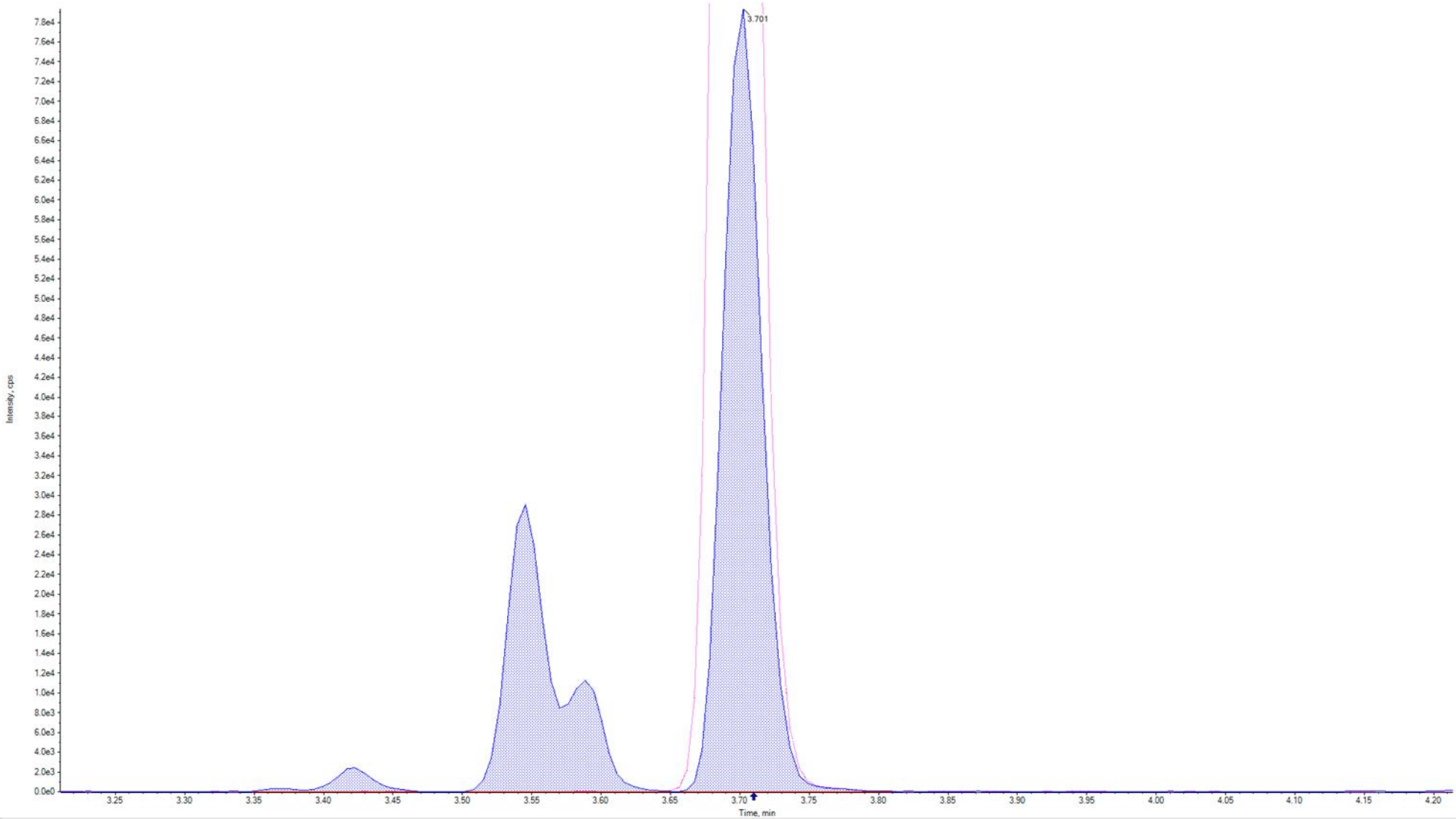
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFNA
Sample: IA1633STD-2.5 S/N:702.4 Points Across peak:54



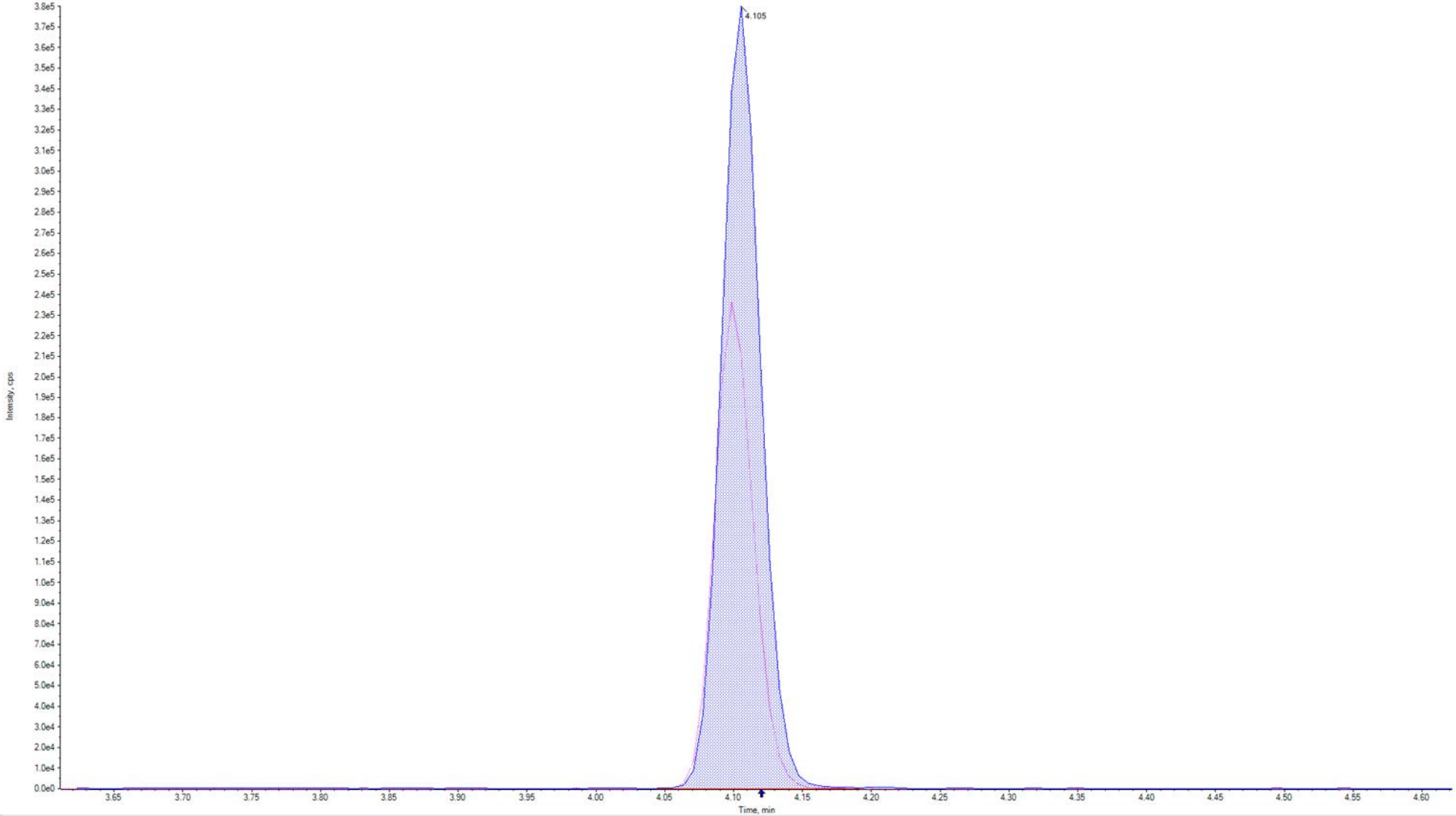
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFNA_2
Sample: IA1633STD-2.5 S/N:359.3 Points Across peak:77



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDA
Sample: IA1633STD-2.5 S/N:6592.1 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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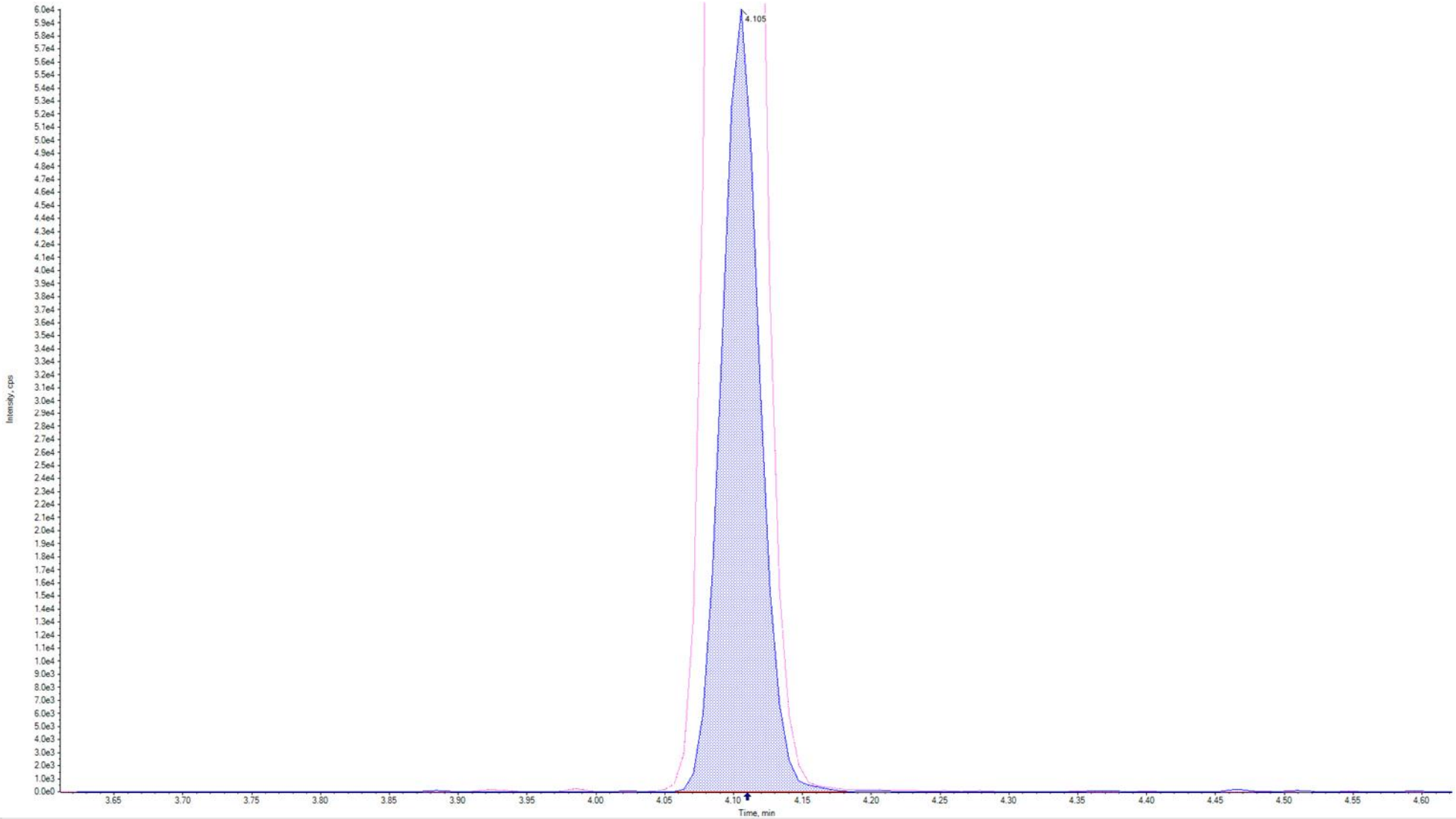
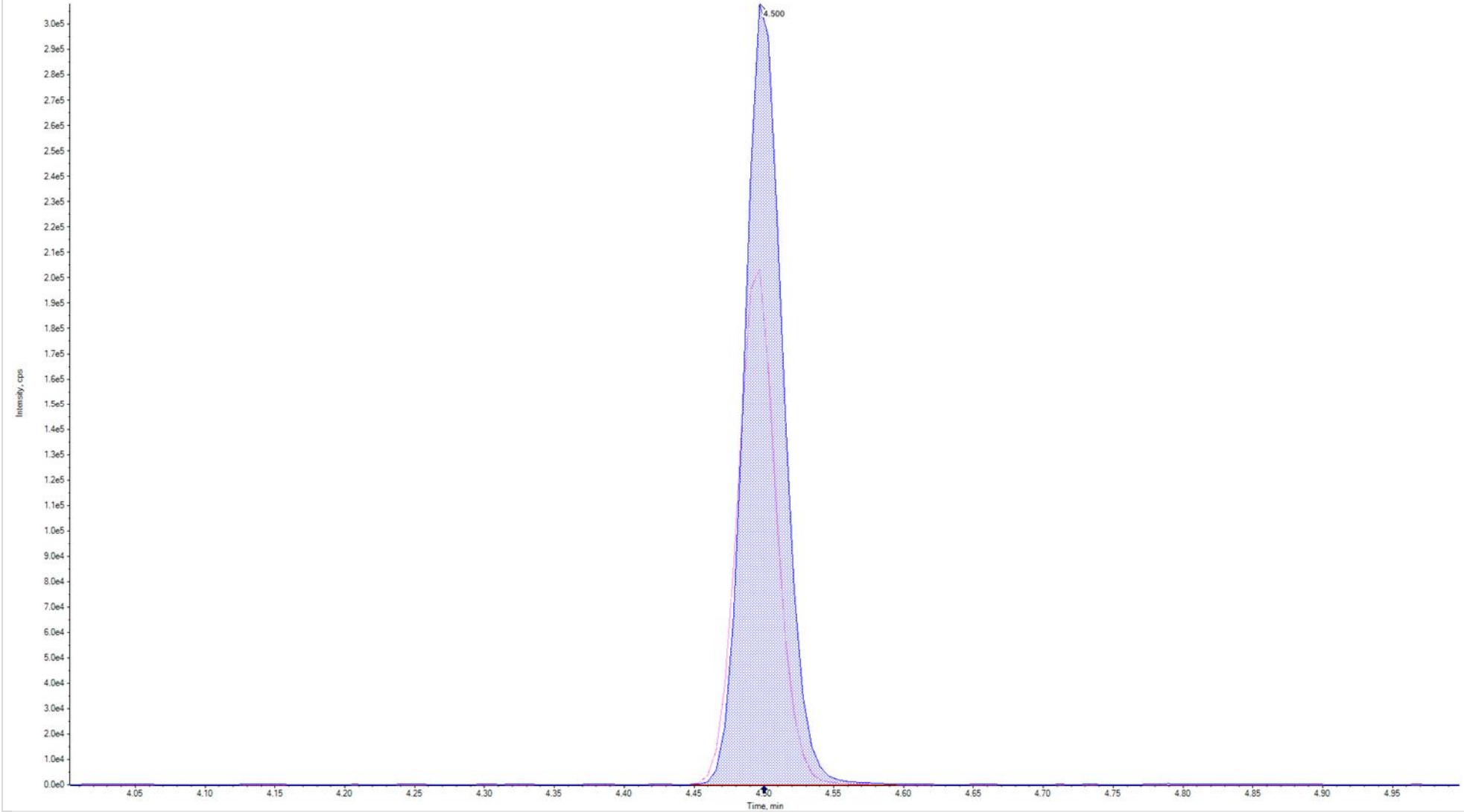
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDA_2
Sample: IA1633STD-2.5 S/N:1204.1 Points Across peak:20



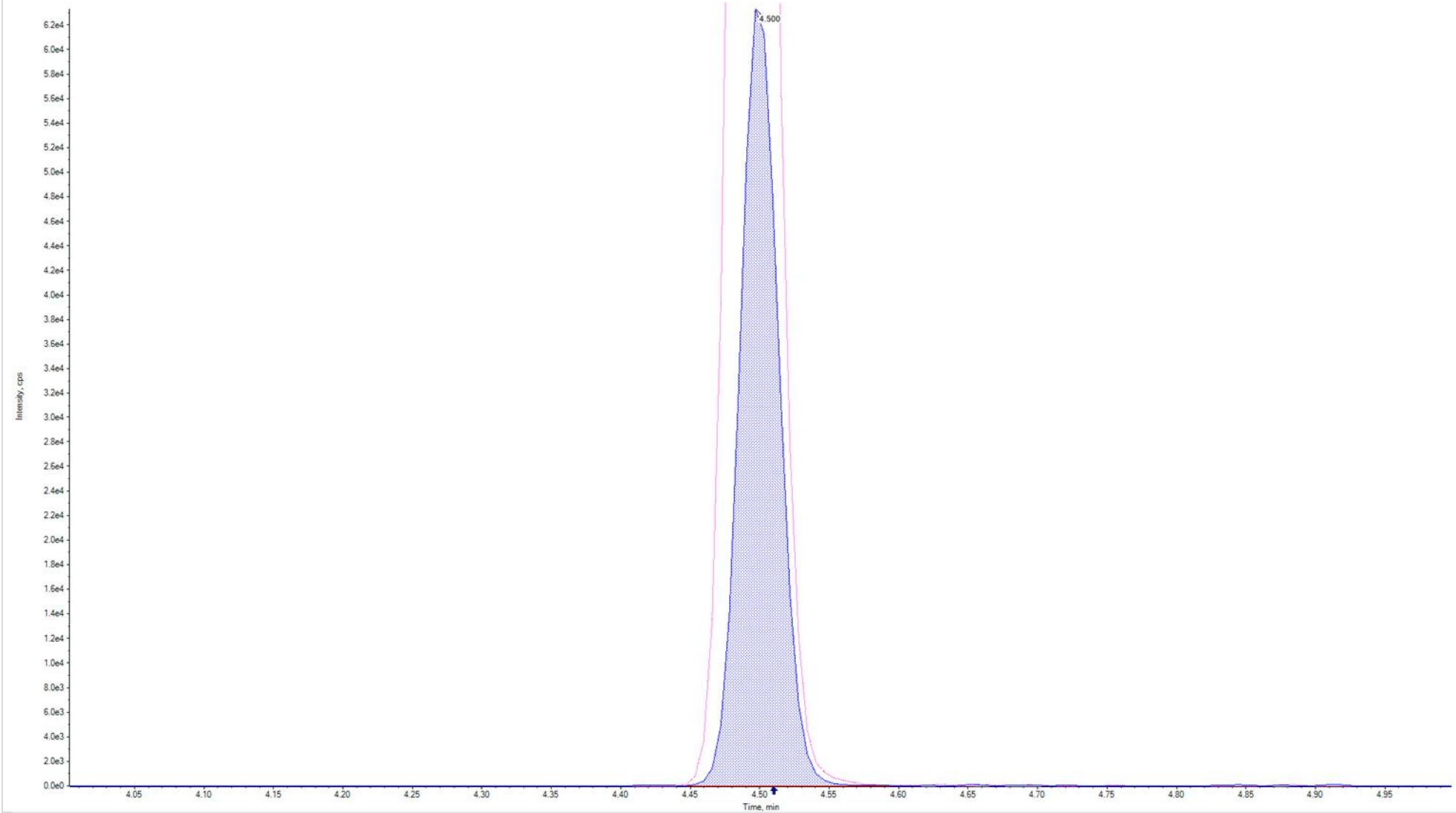
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFUnA
Sample: IA1633STD-2.5 S/N:6946.1 Points Across peak:25



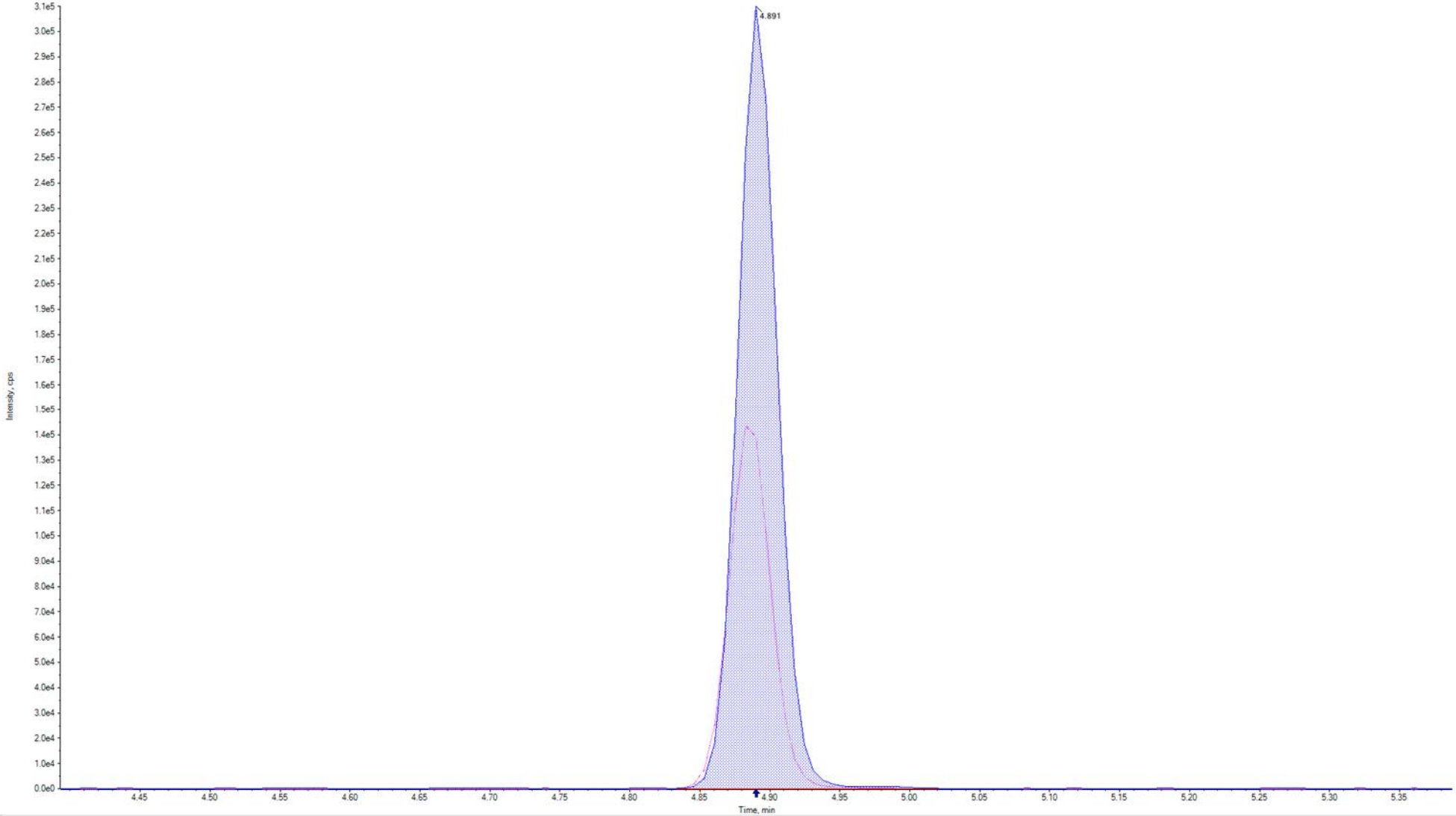
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFUnA_2
Sample: IA1633STD-2.5 S/N:1427.7 Points Across peak:26



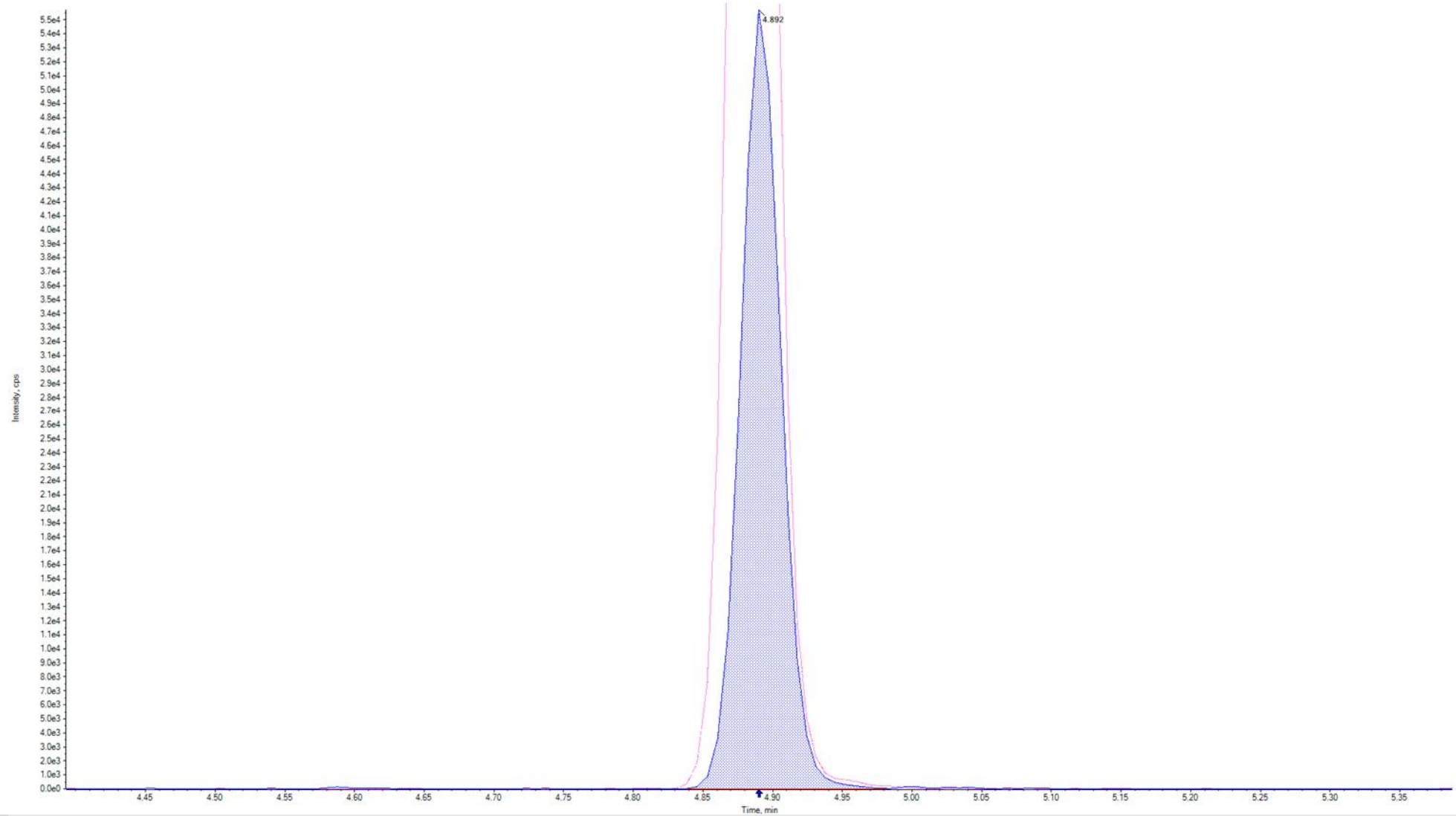
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDoA
Sample: IA1633STD-2.5 S/N:4887.2 Points Across peak:32



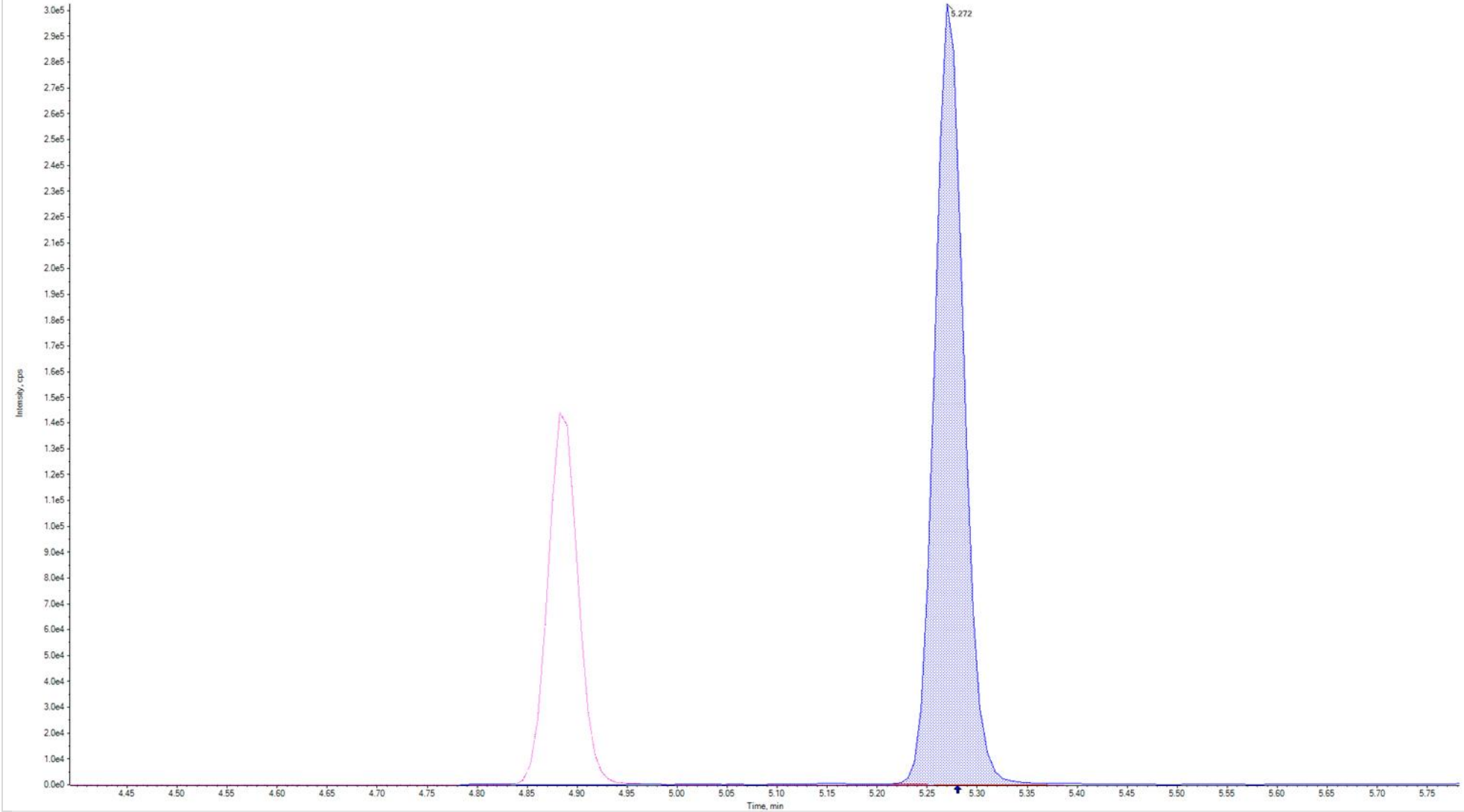
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDoA_2
Sample: IA1633STD-2.5 S/N:1535.9 Points Across peak:28



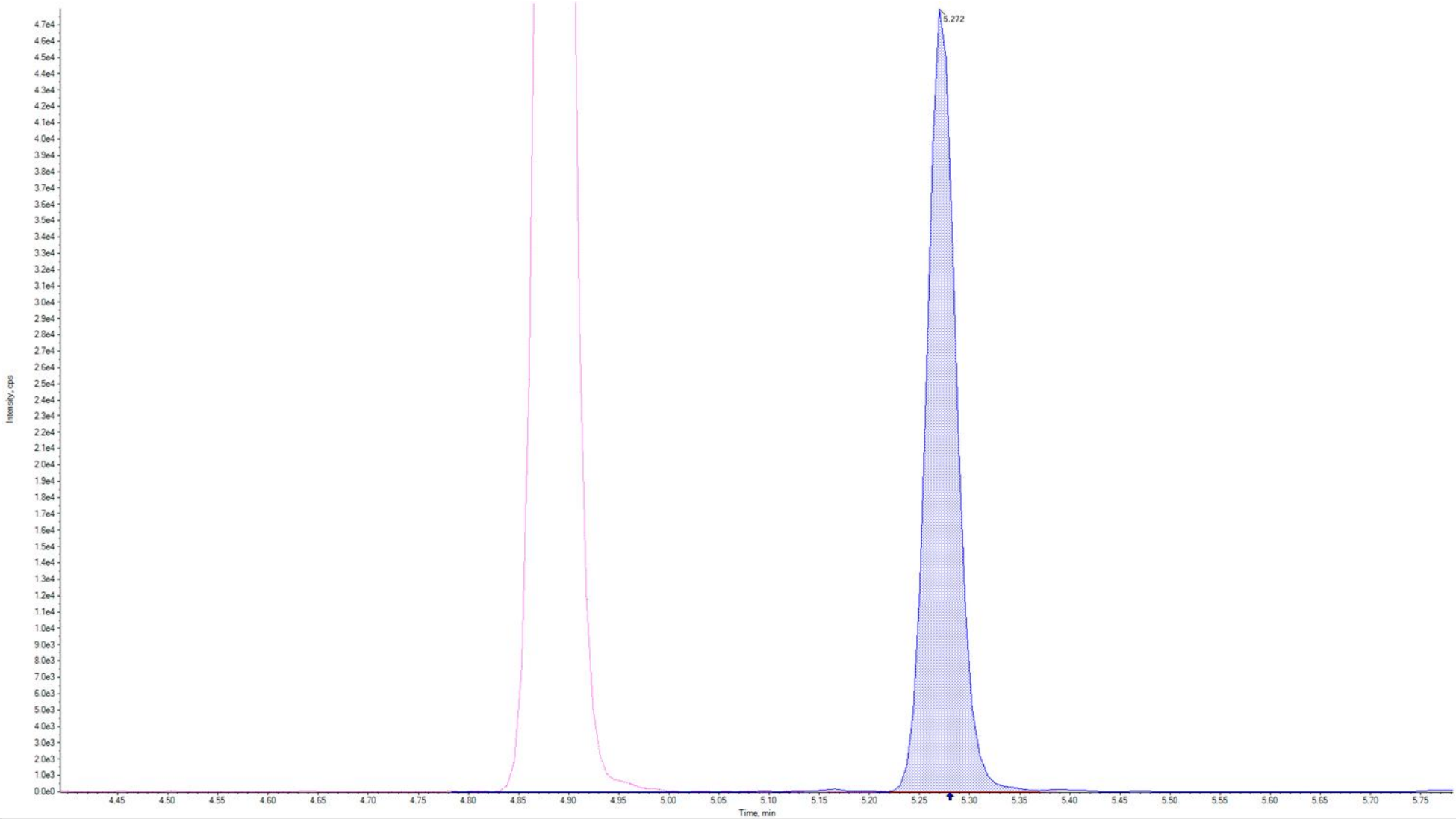
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFTrDA
Sample: IA1633STD-2.5 S/N:2977.0 Points Across peak:25



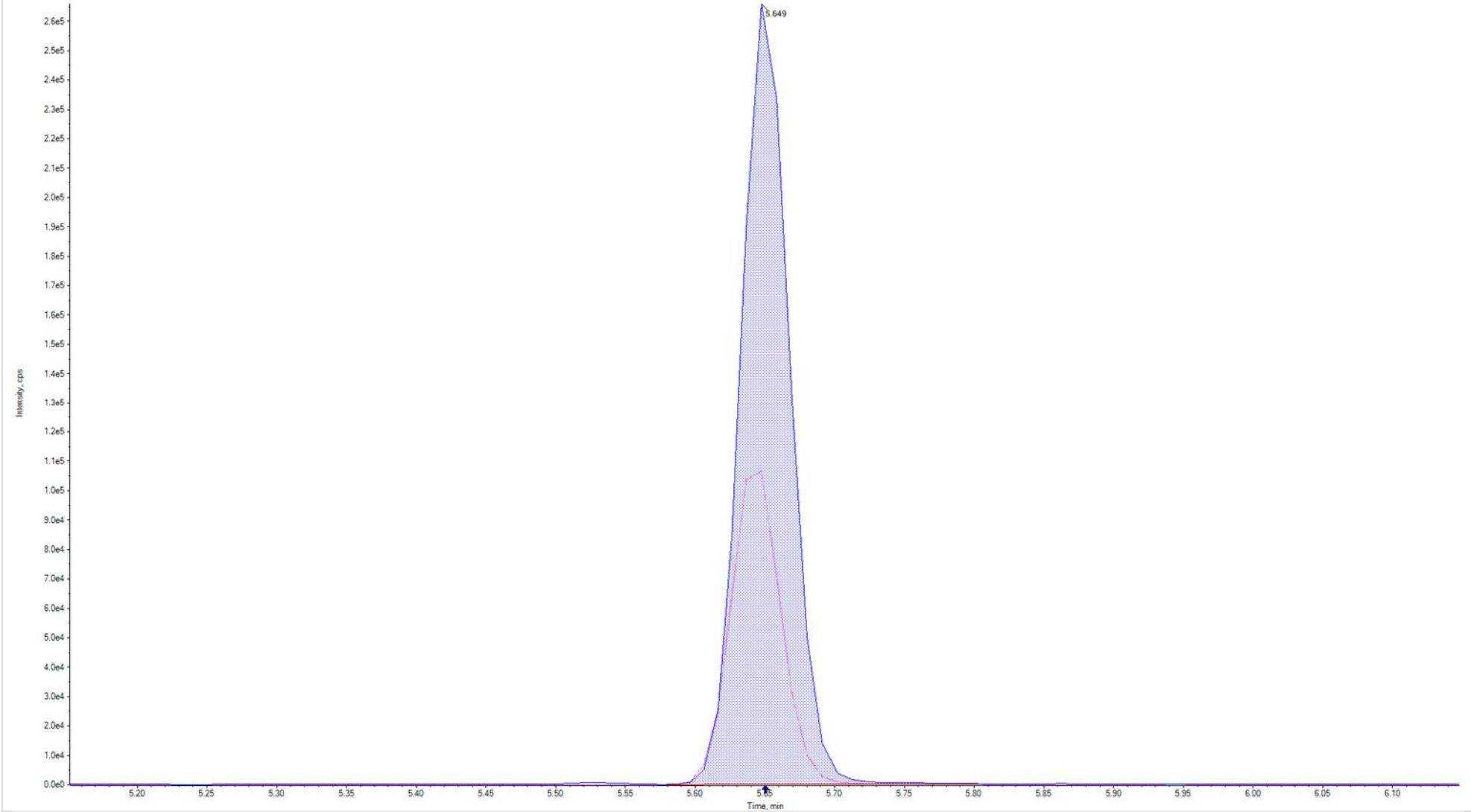
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFTrDA_2
Sample: IA1633STD-2.5 S/N:1923.3 Points Across peak:23

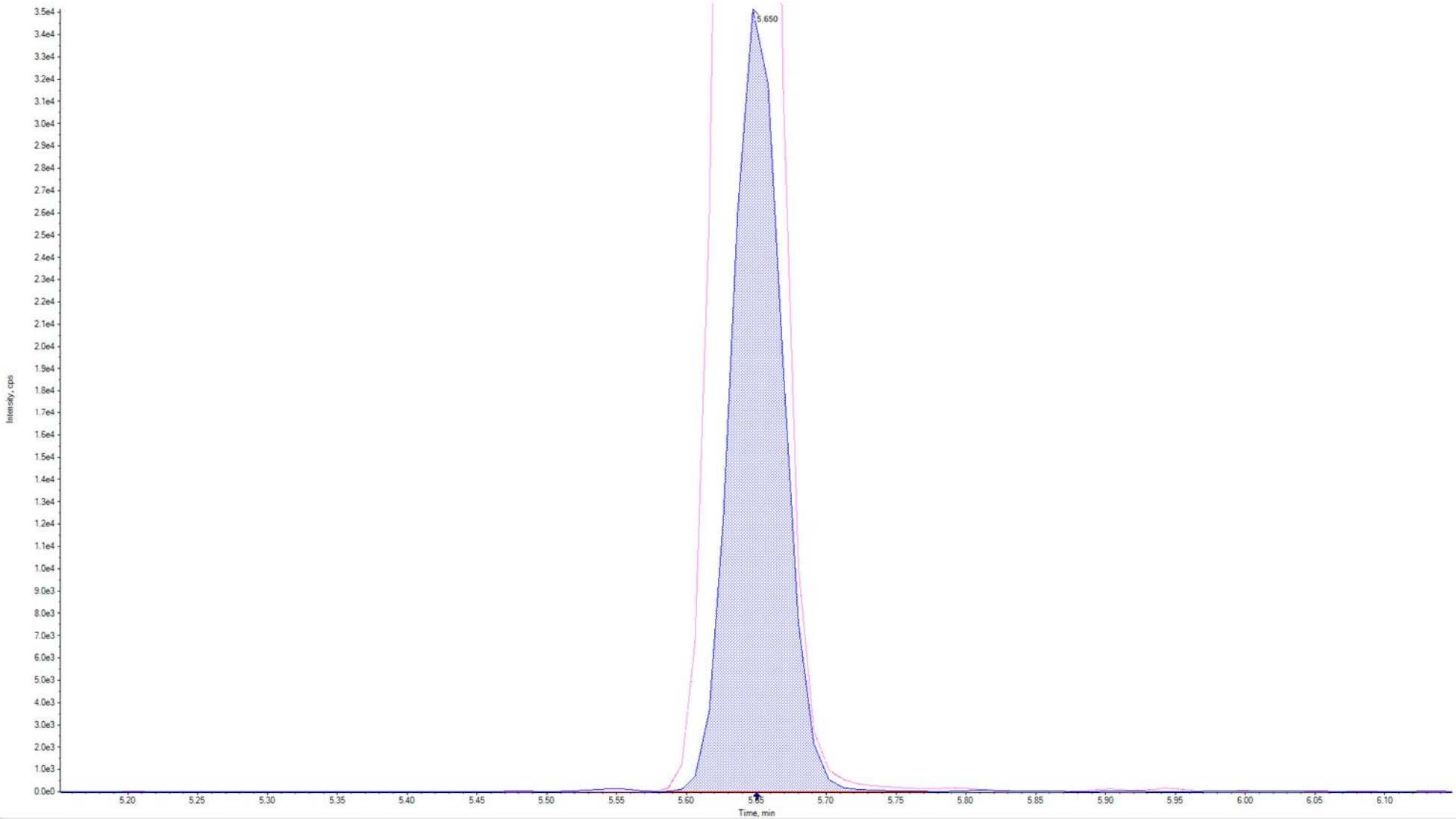


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFTeDA
Sample: IA1633STD-2.5 S/N:1688.9 Points Across peak:25



PFTeDA_2
Sample: IA1633STD-2.5 S/N:1543.1 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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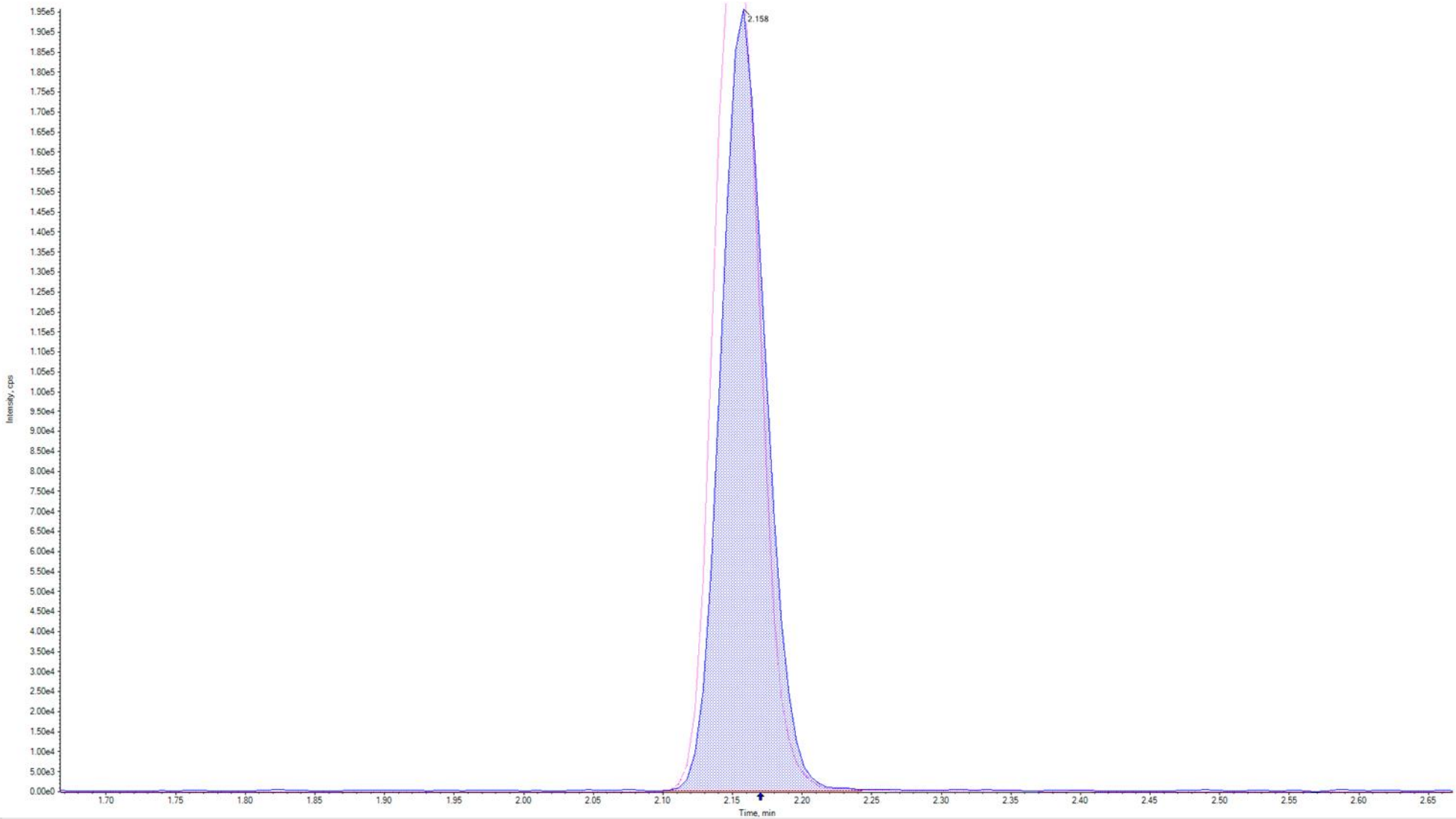
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFBS
Sample: IA1633STD-2.5 S/N:2681.5 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:19:49 PM
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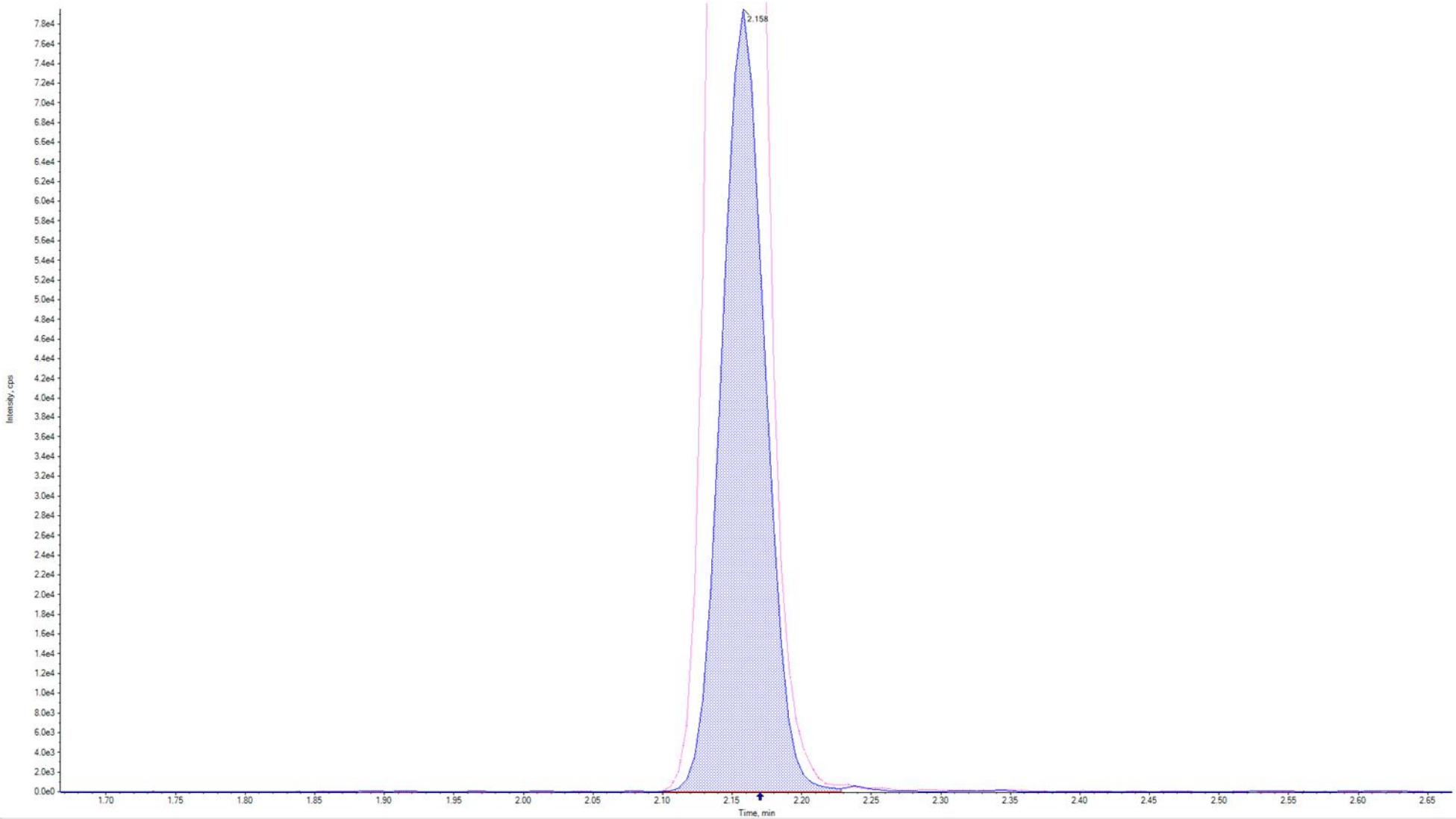
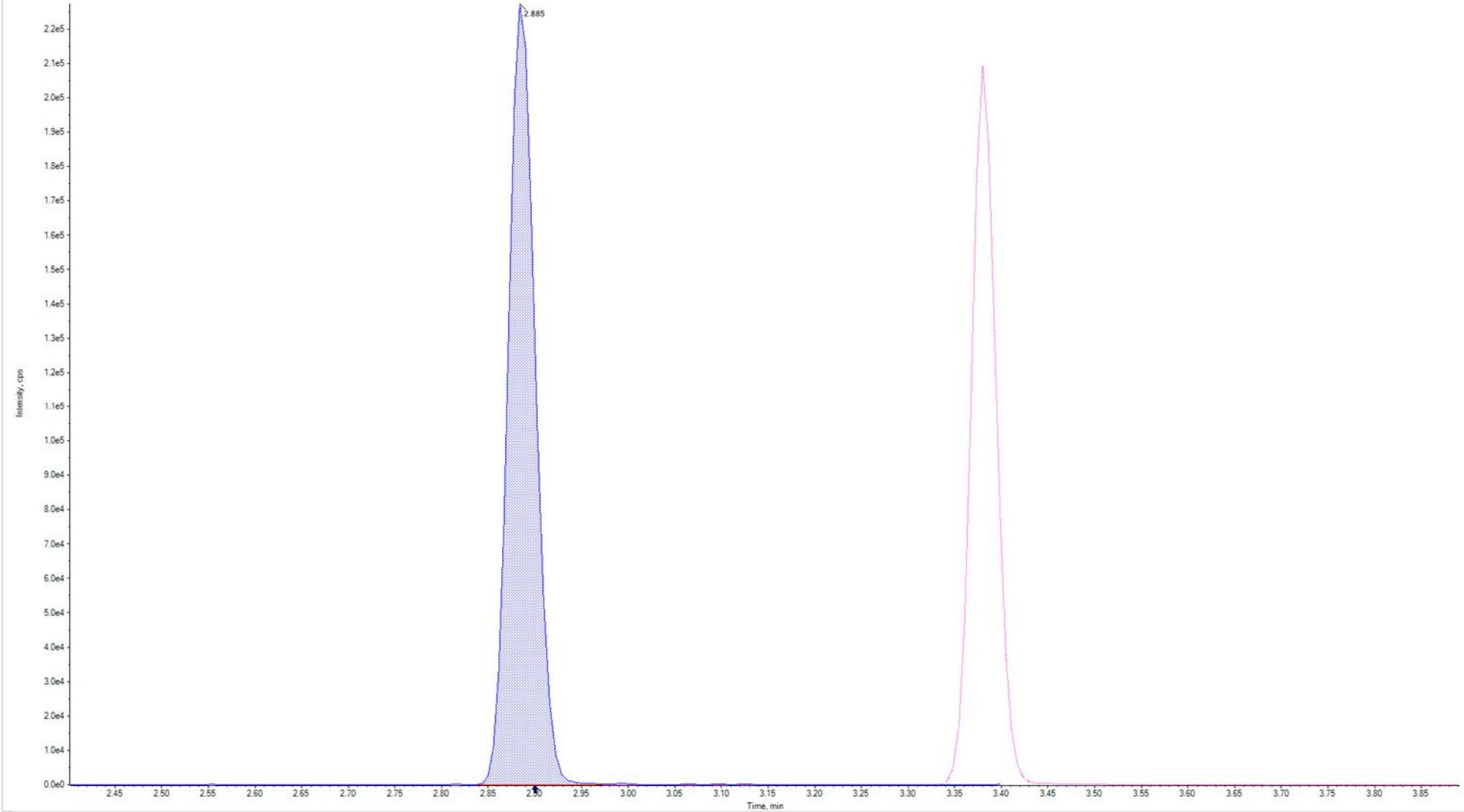
PFBS_2
Sample: IA1633STD-2.5 S/N:1992.7 Points Across peak:25

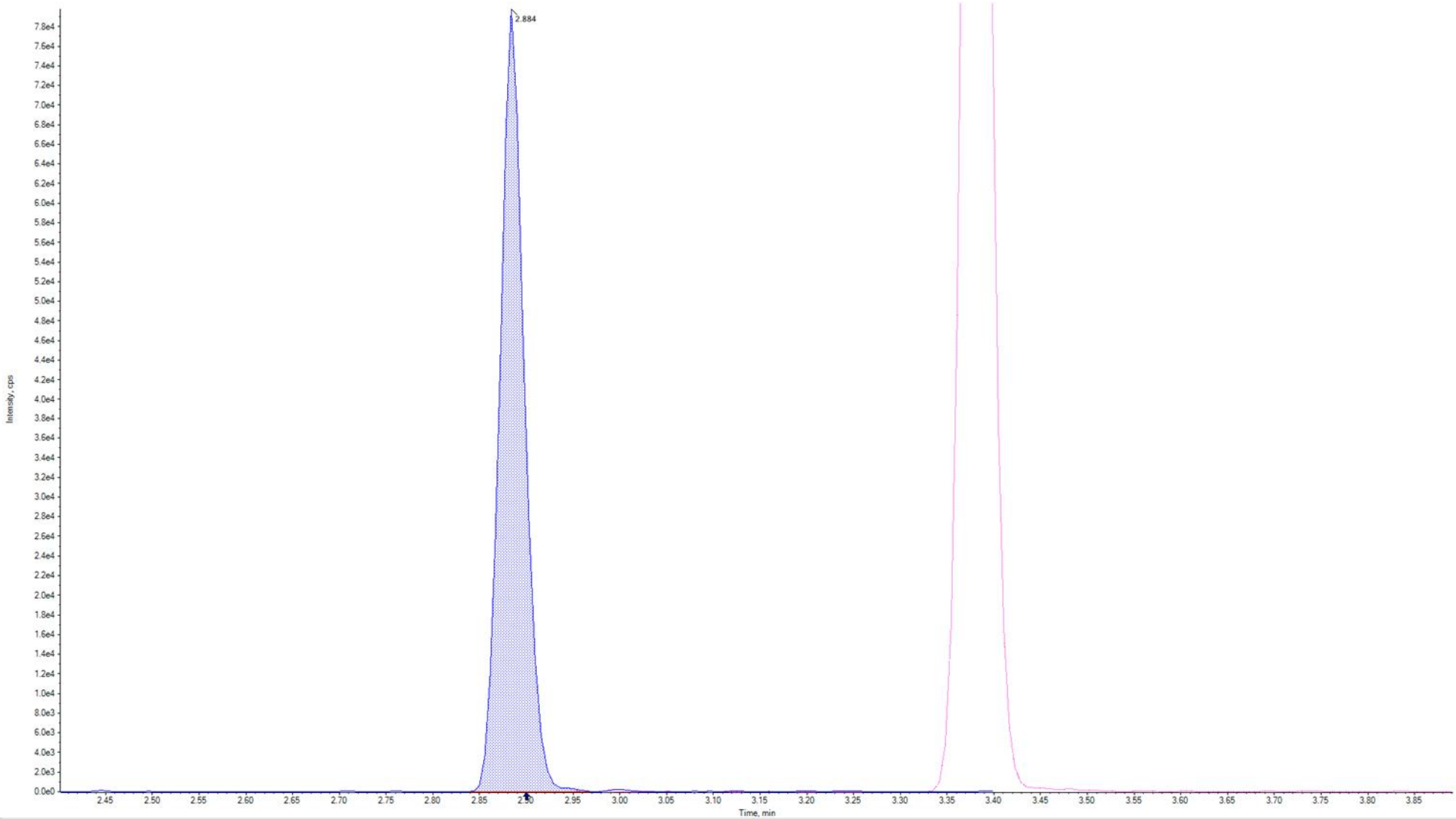


PFPeS
Sample: IA1633STD-2.5 S/N:3710.5 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFPeS_2
Sample: IA1633STD-2.5 S/N:1599.7 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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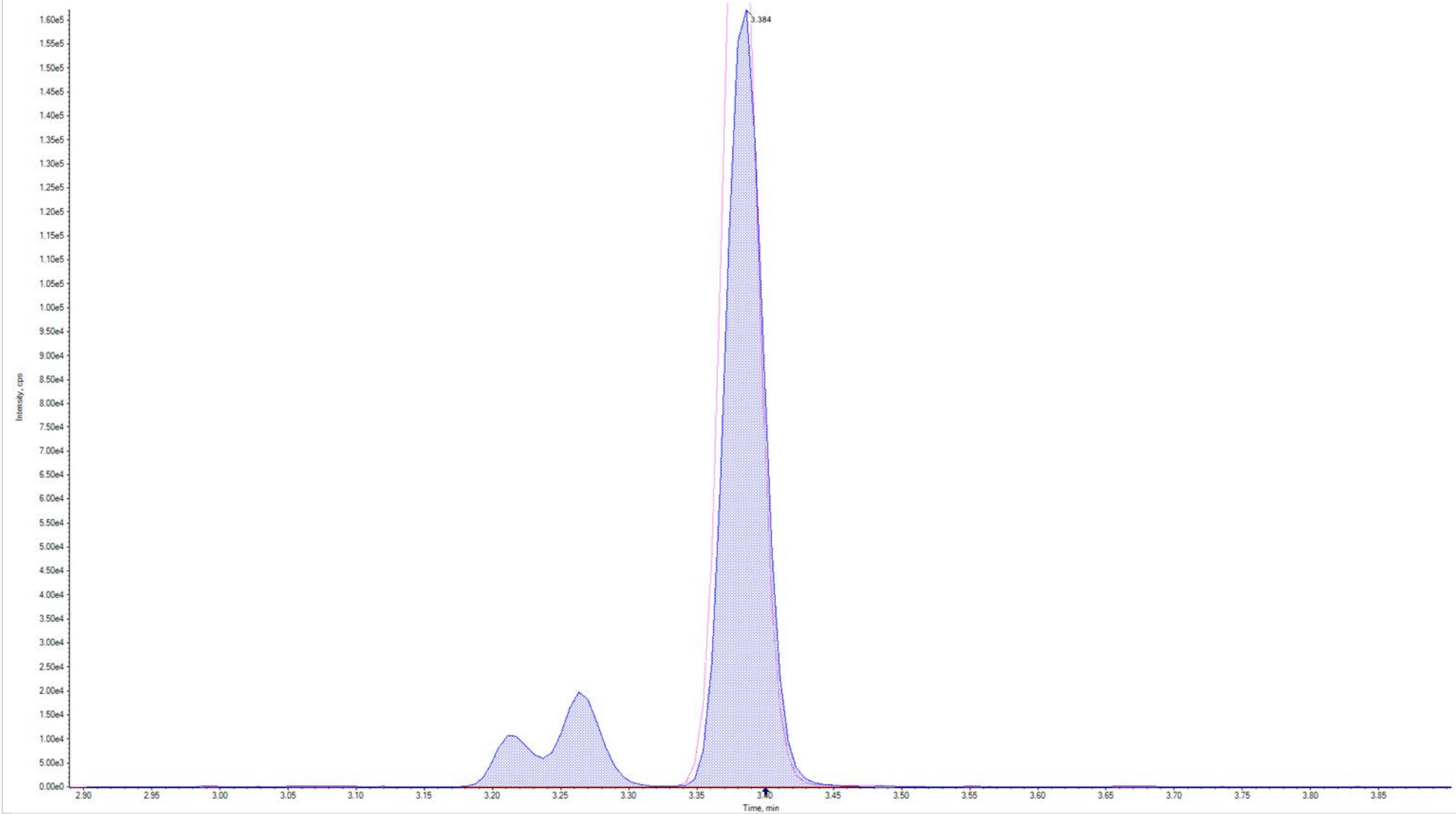
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFHxS
Sample: IA1633STD-2.5 S/N:930.4 Points Across peak:48



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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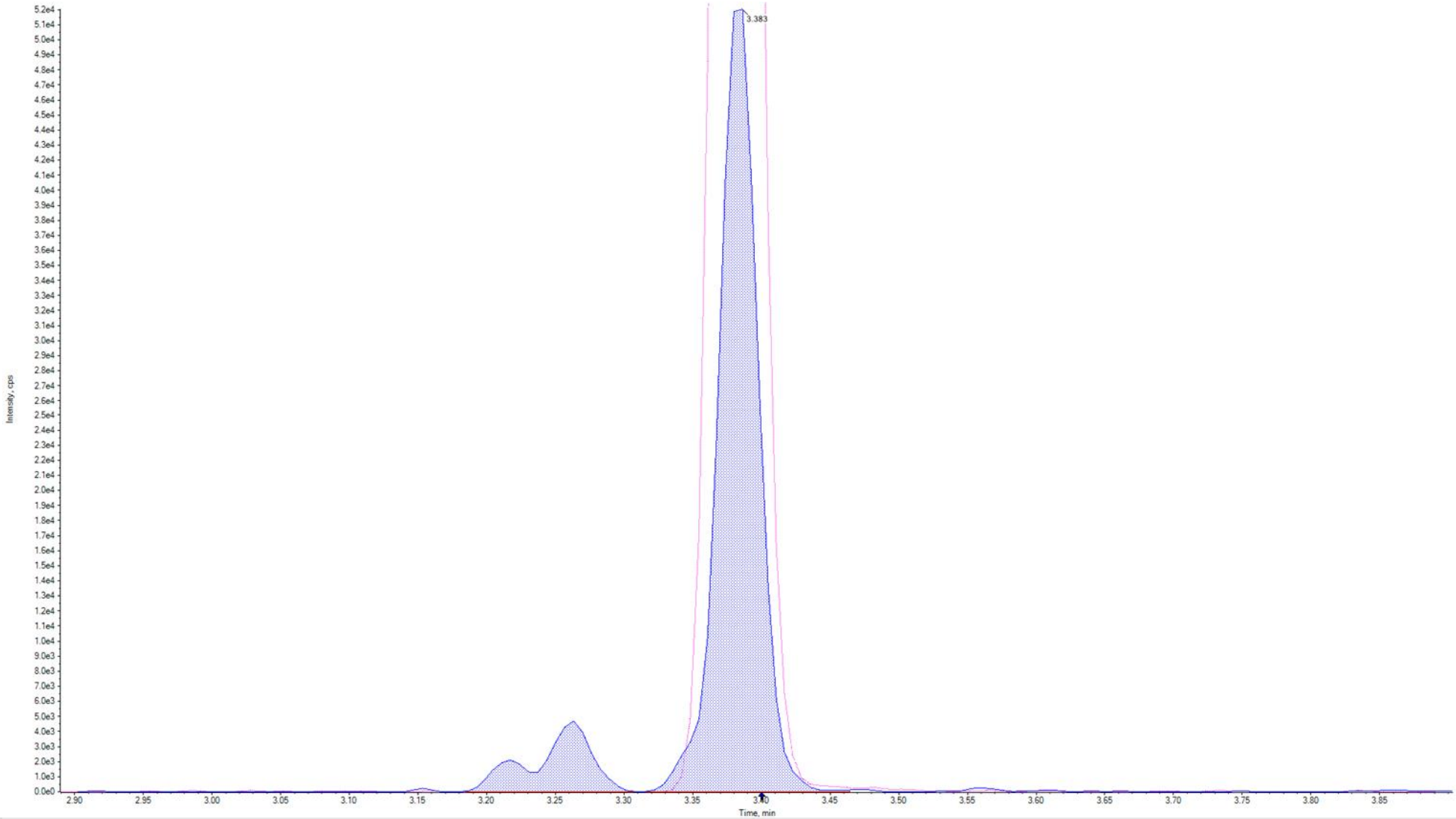
Generated: 11/15/2024 2:54:34 PM

PFHxS_2
Sample: IA1633STD-2.5 S/N:710.1 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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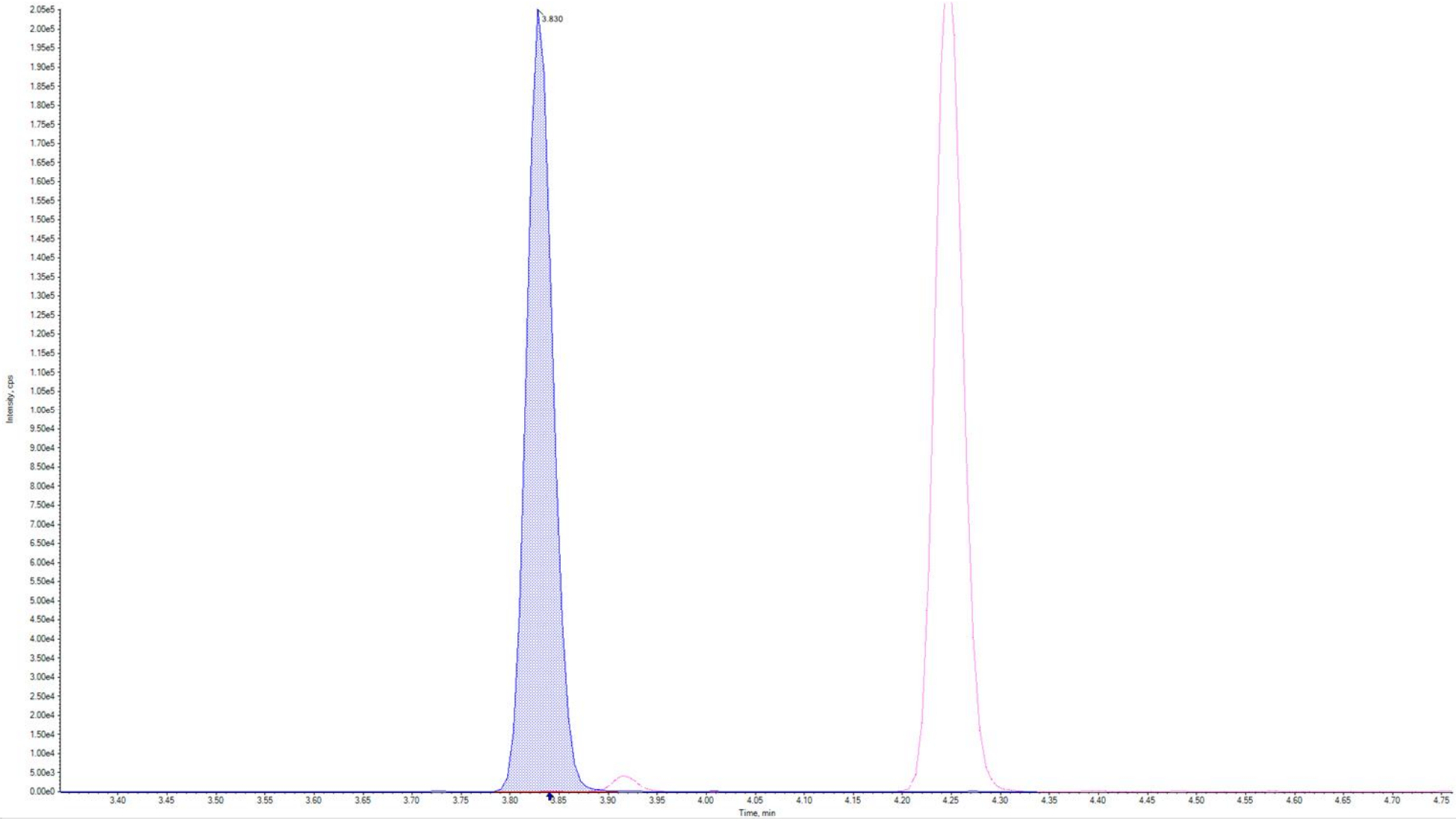
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFHpS
Sample: IA1633STD-2.5 S/N:3673.7 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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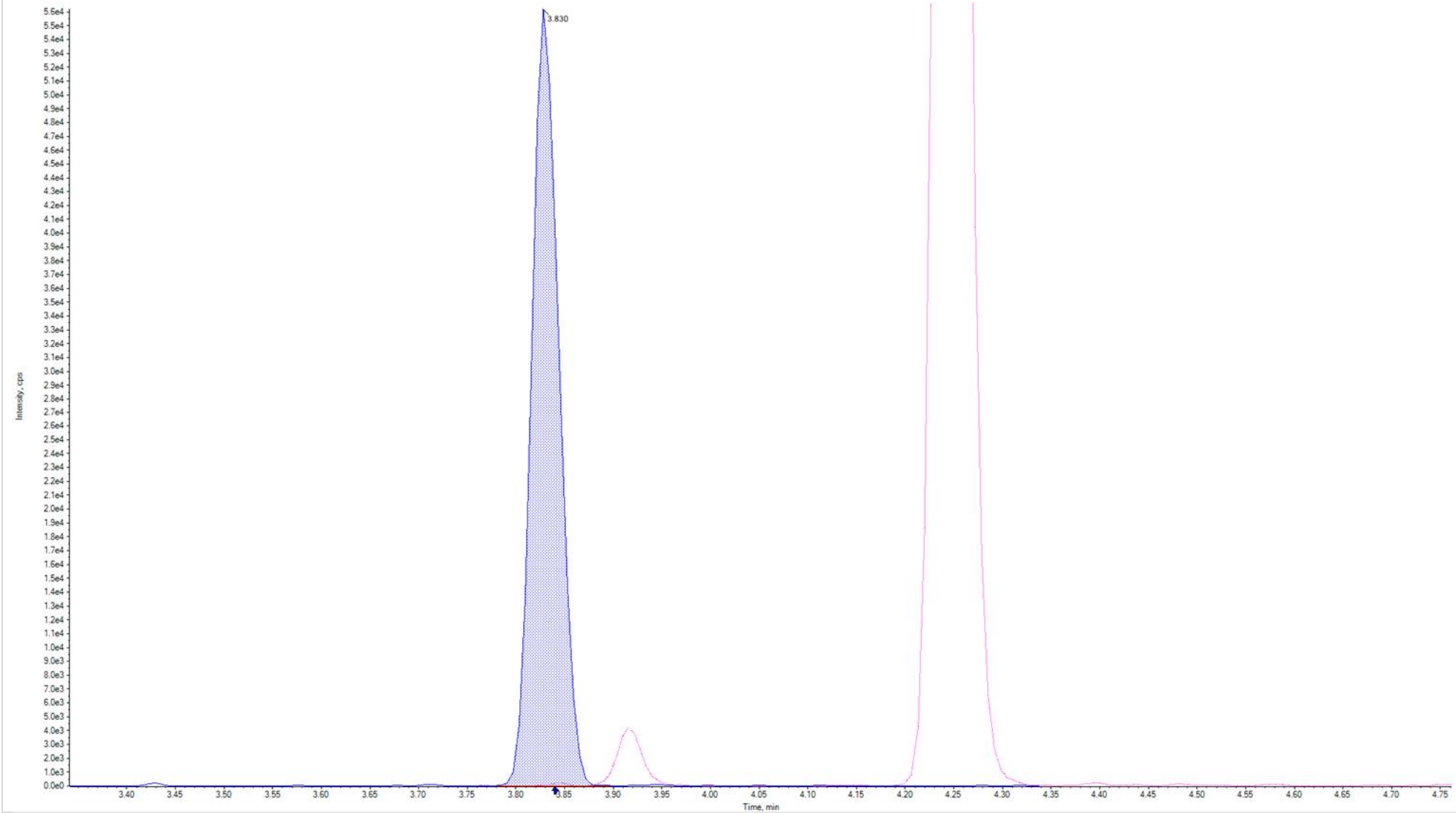
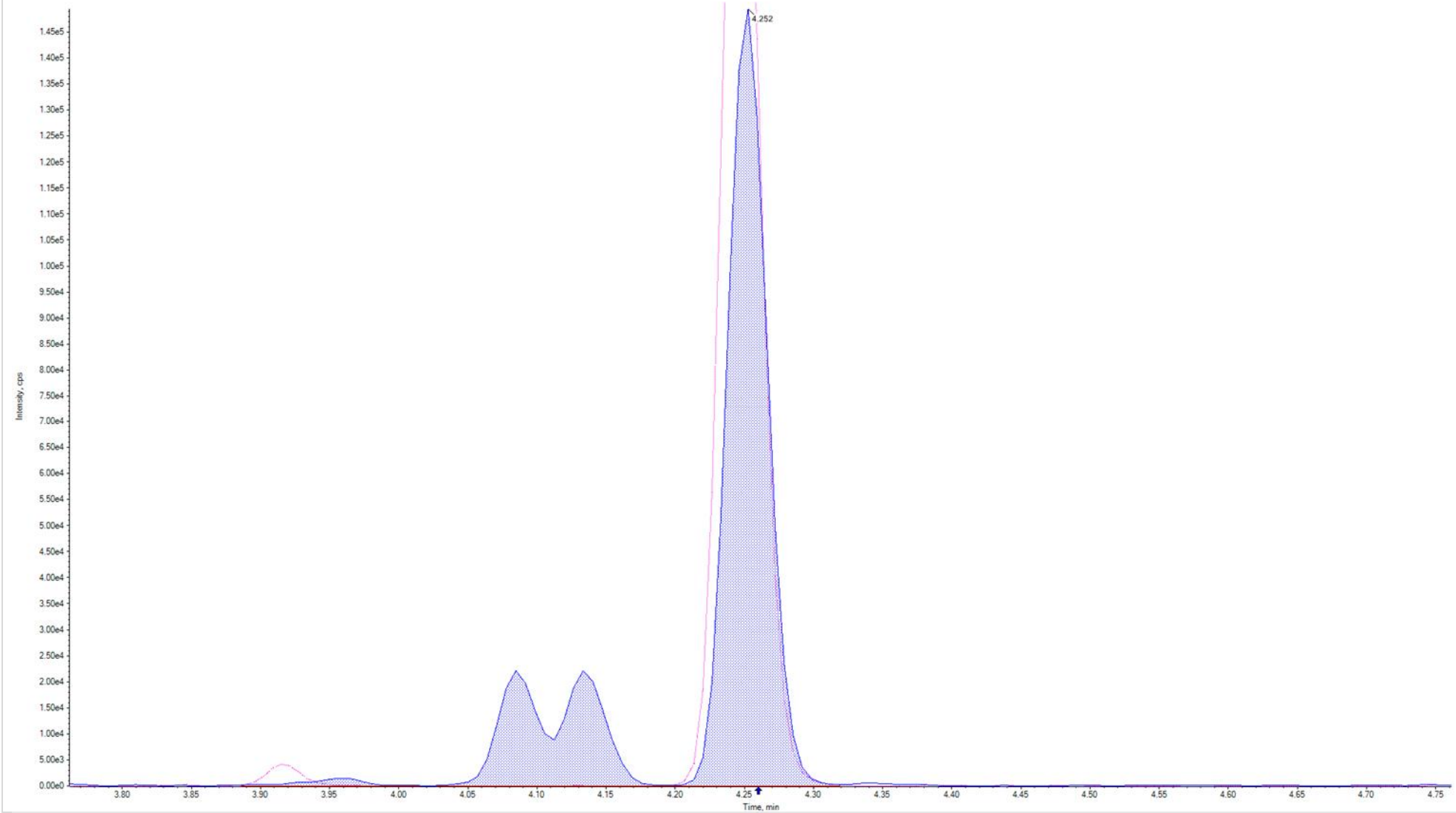
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFHpS_2
Sample: IA1633STD-2.5 S/N:1127.0 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOS
Sample: IA1633STD-2.5 S/N:440.6 Points Across peak:68



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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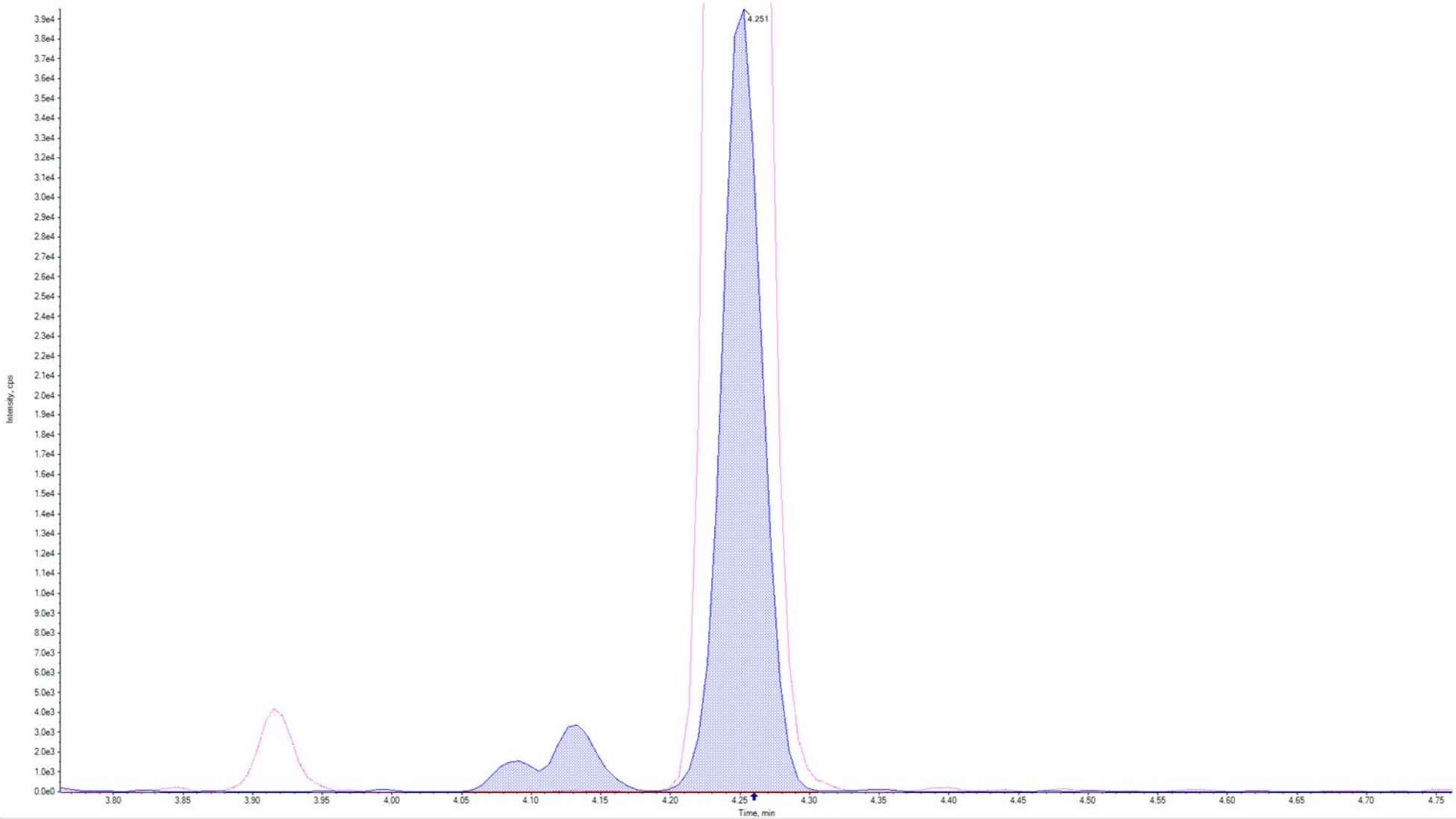
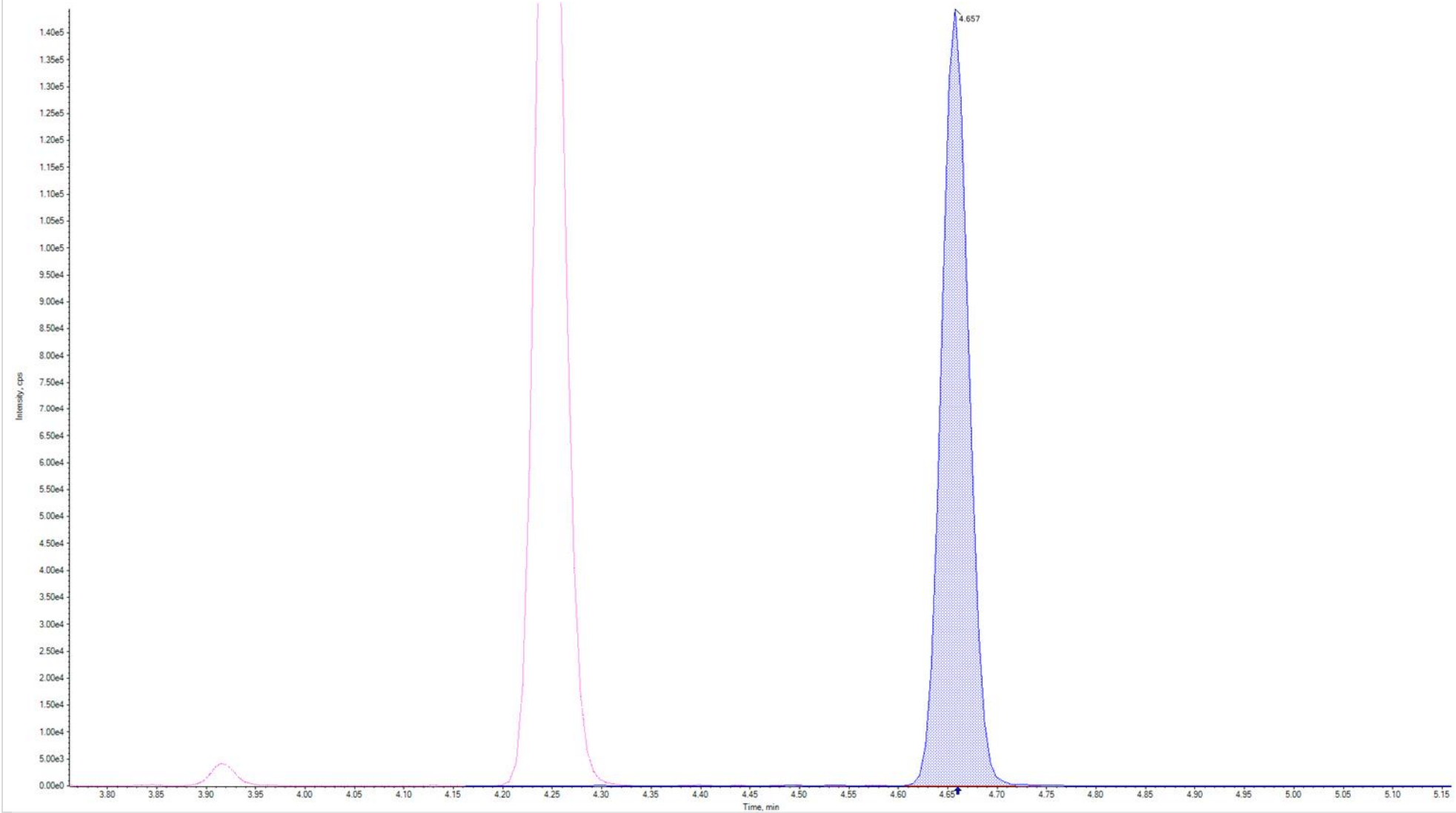
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOS_2
Sample: IA1633STD-2.5 S/N:768.5 Points Across peak:40



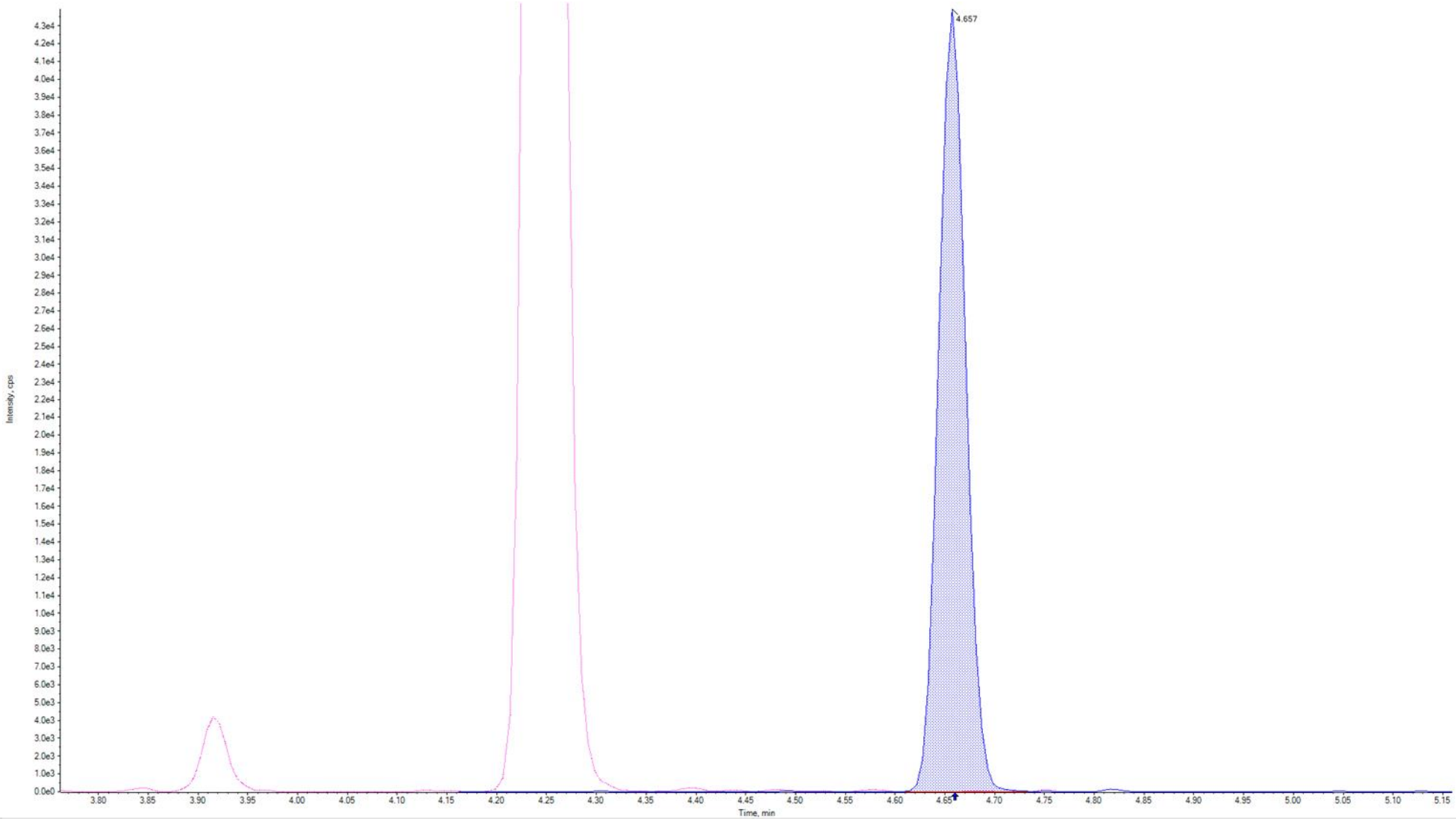
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFNS
Sample: IA1633STD-2.5 S/N:3361.9 Points Across peak:22



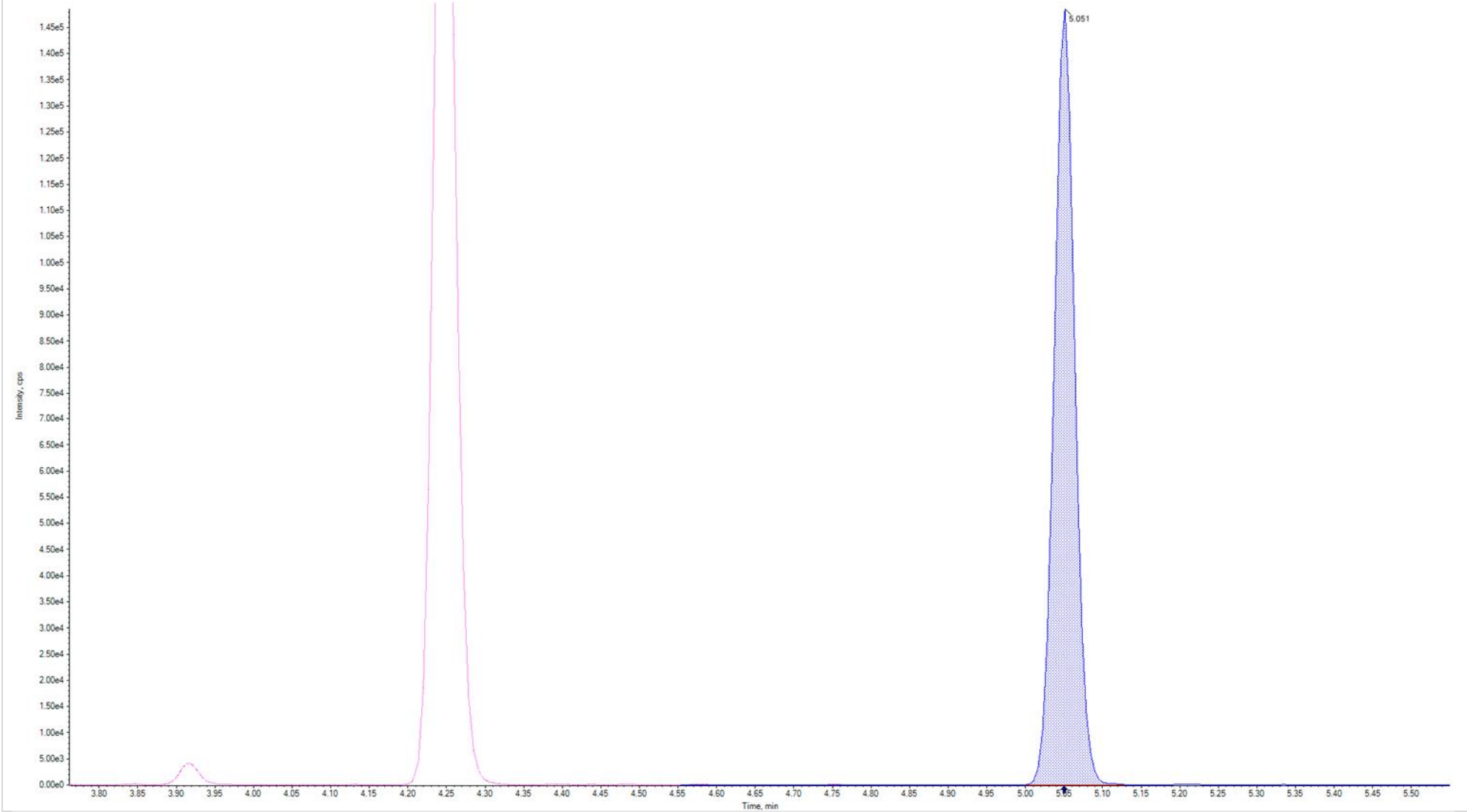
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFNS_2
Sample: IA1633STD-2.5 S/N:1101.2 Points Across peak:29



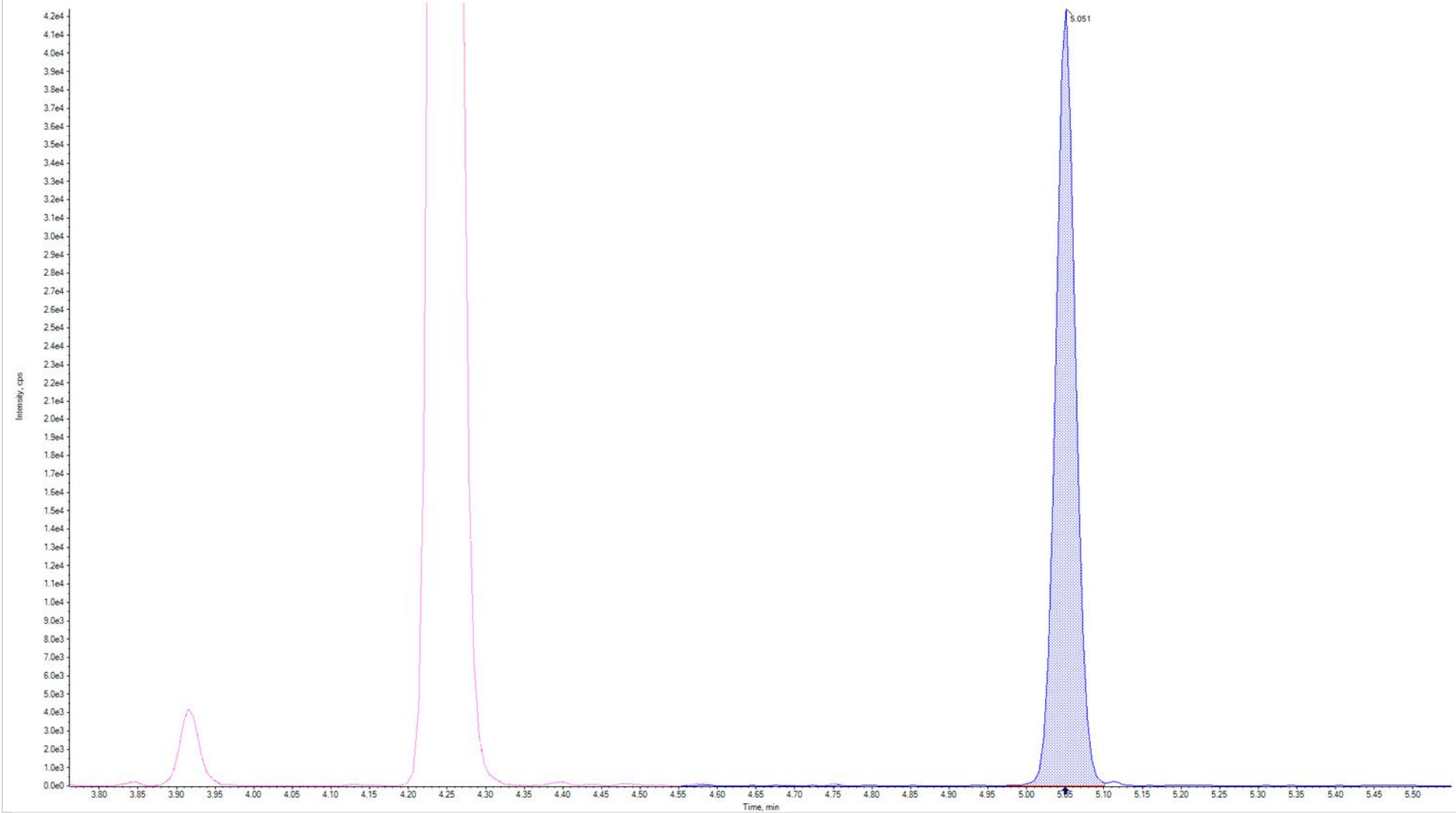
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDS
Sample: IA1633STD-2.5 S/N:3807.2 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDS_2
Sample: IA1633STD-2.5 S/N:1488.0 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
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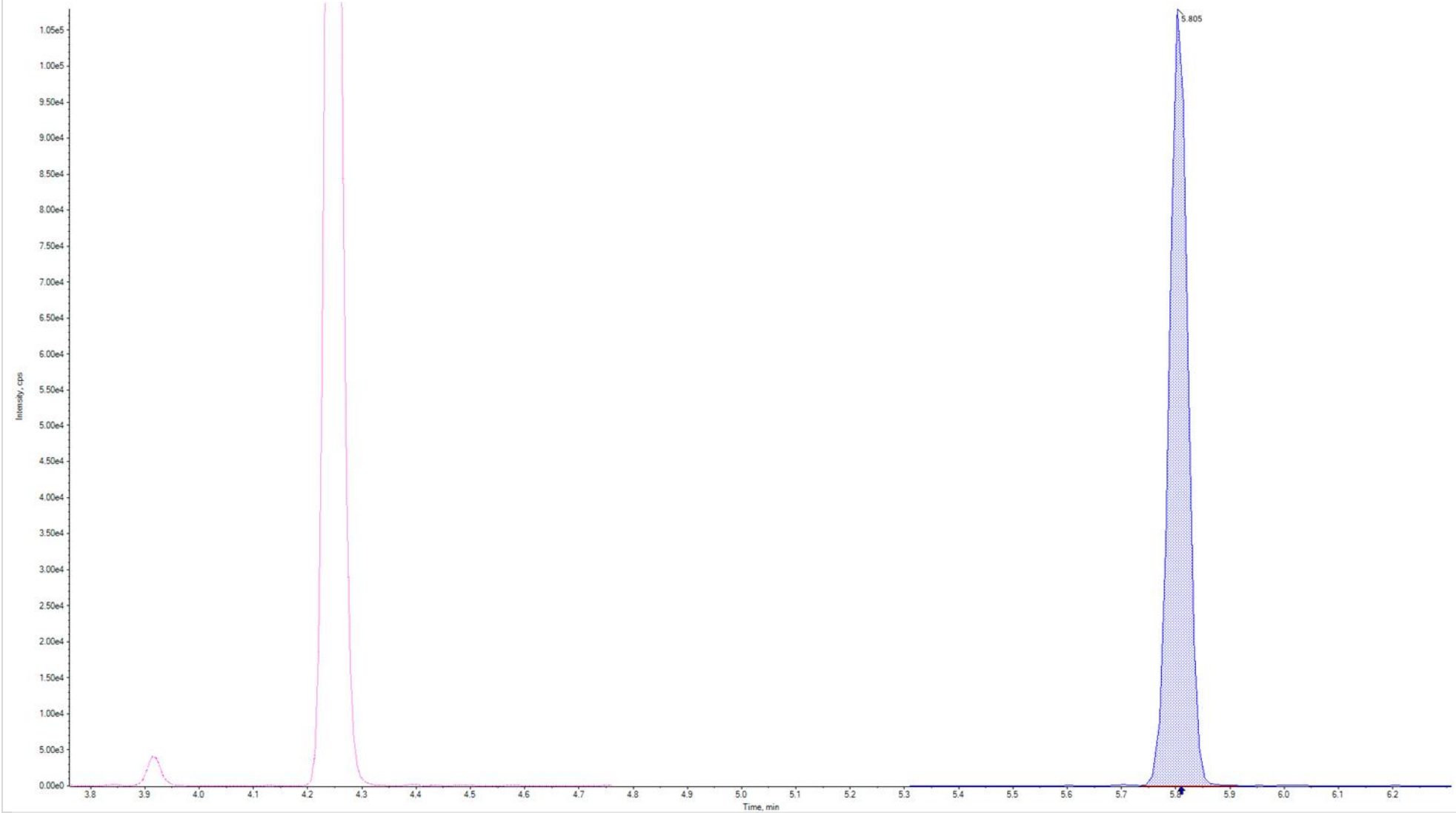
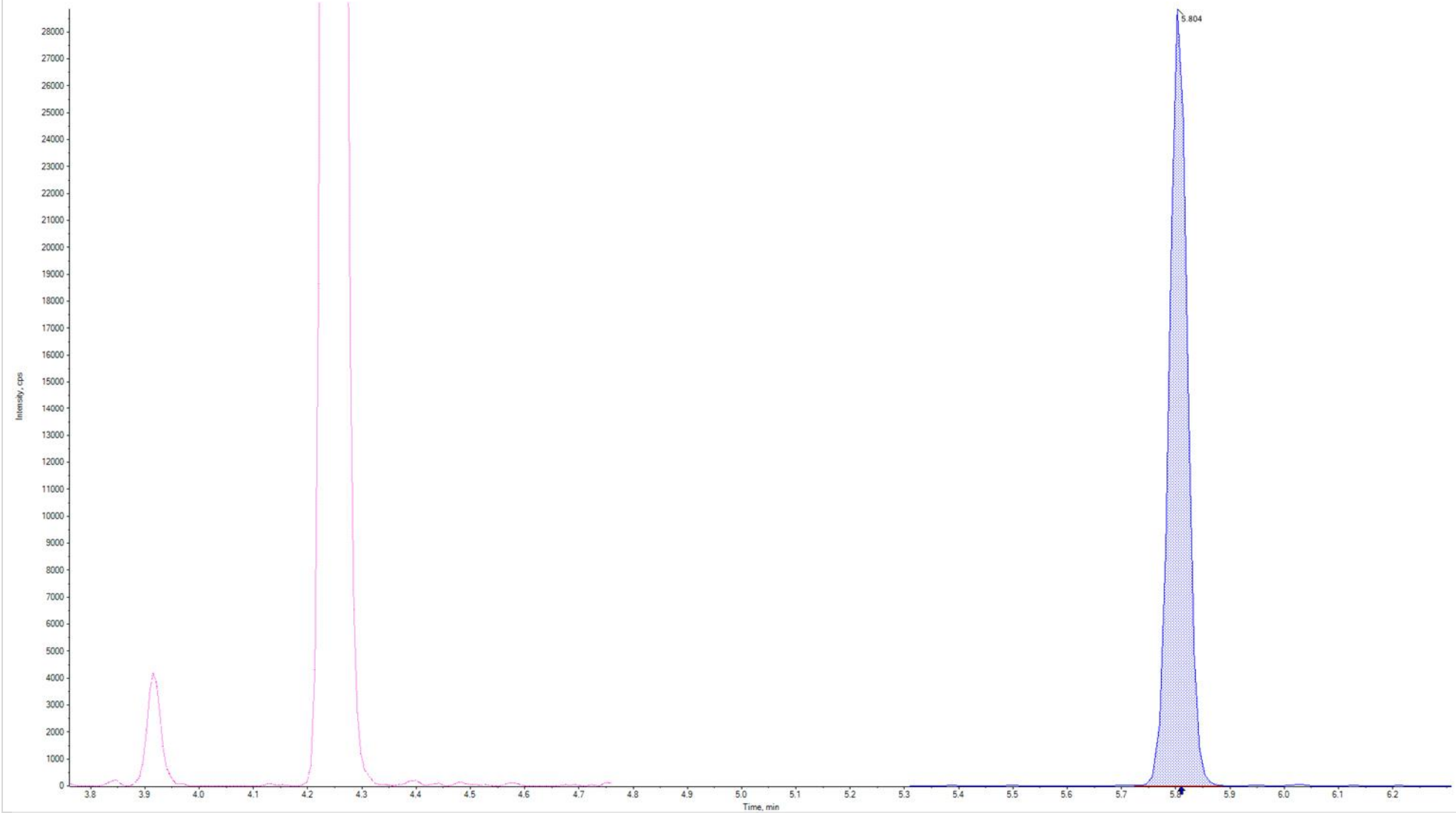
PFDoS
Sample: IA1633STD-2.5 S/N:8385.9 Points Across peak:20

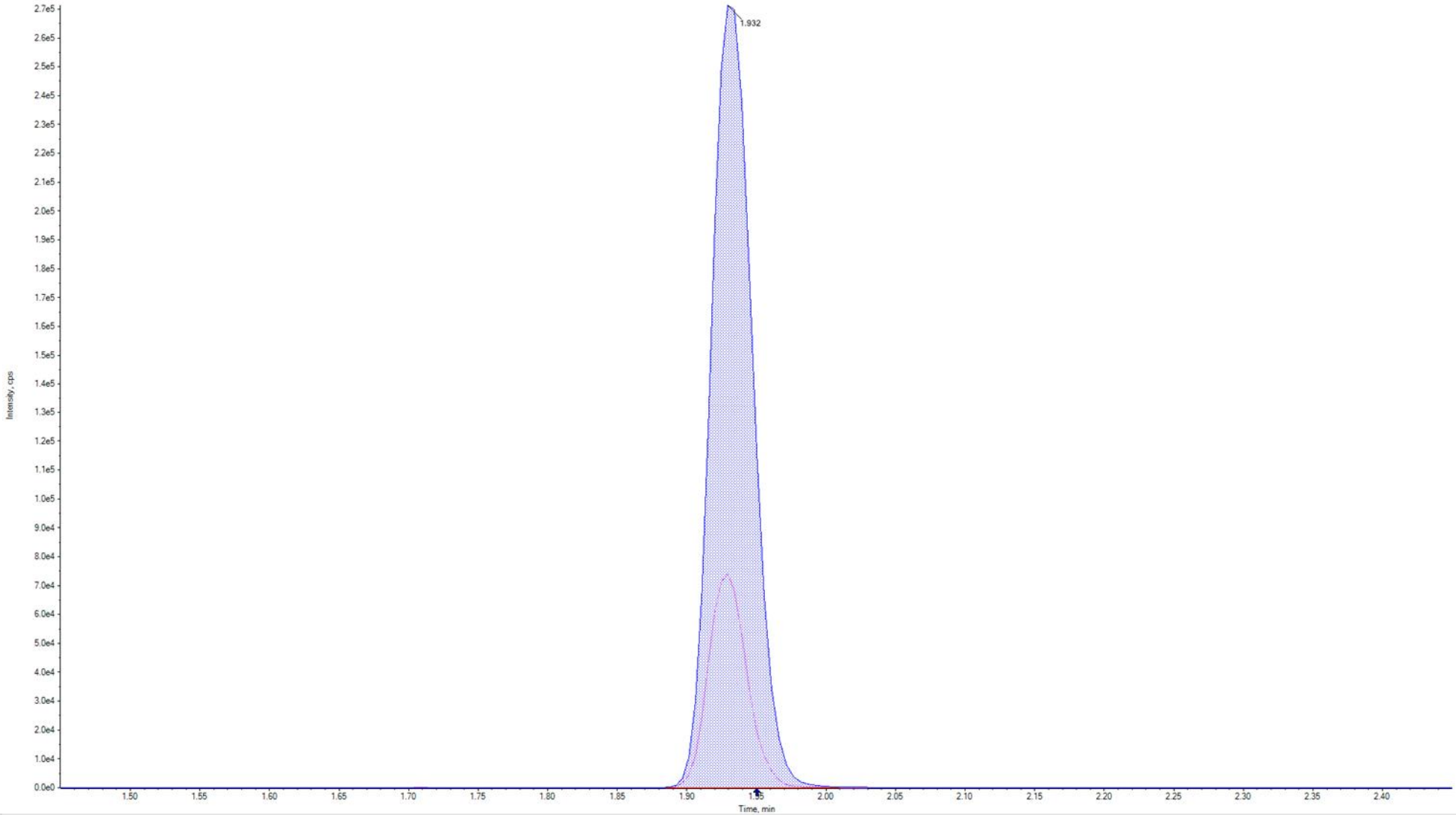


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDoS_2
Sample: IA1633STD-2.5 S/N:2241.3 Points Across peak:19

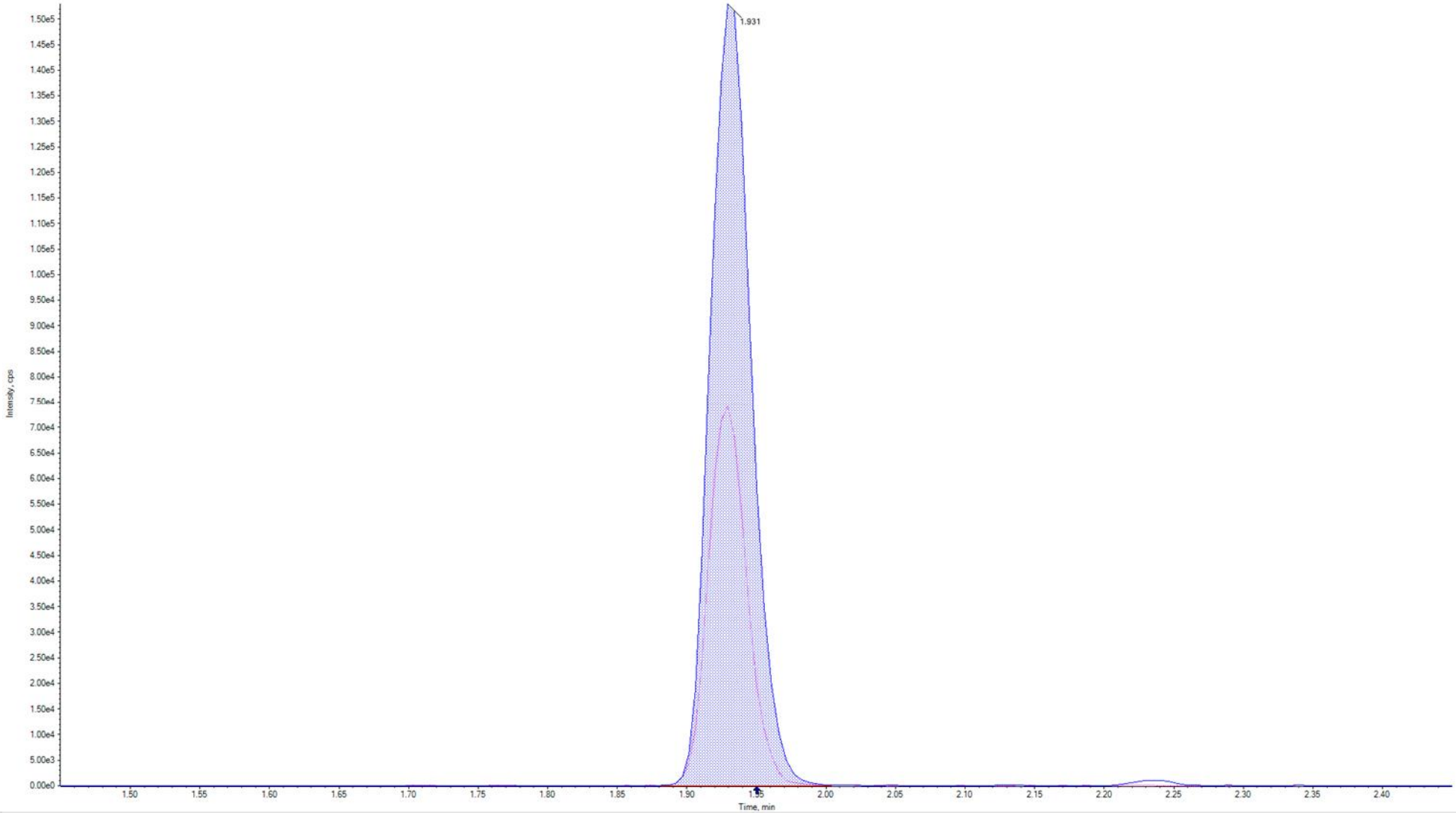


4:2FTS
Sample: IA1633STD-2.5 S/N:8783.5 Points Across peak:30

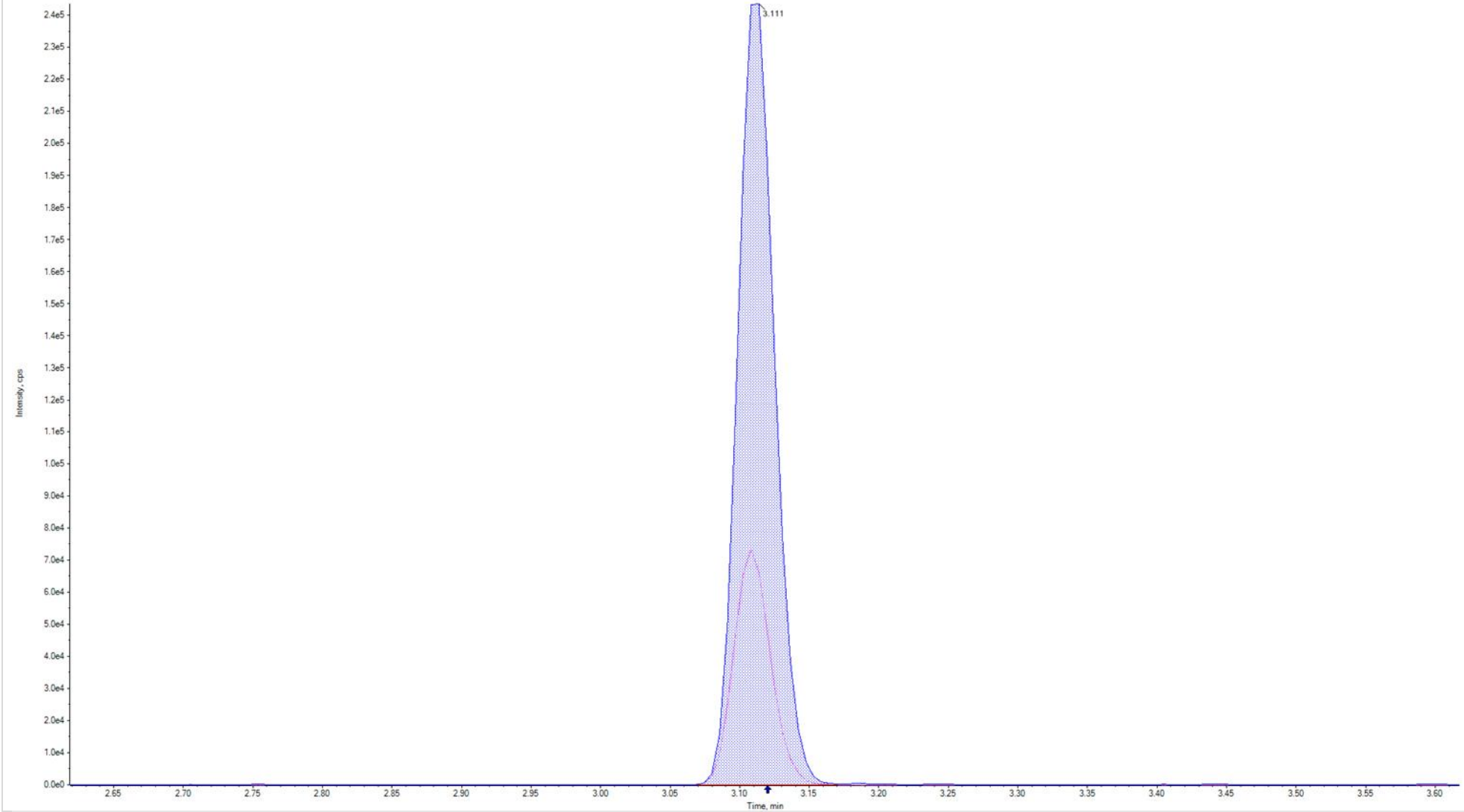


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

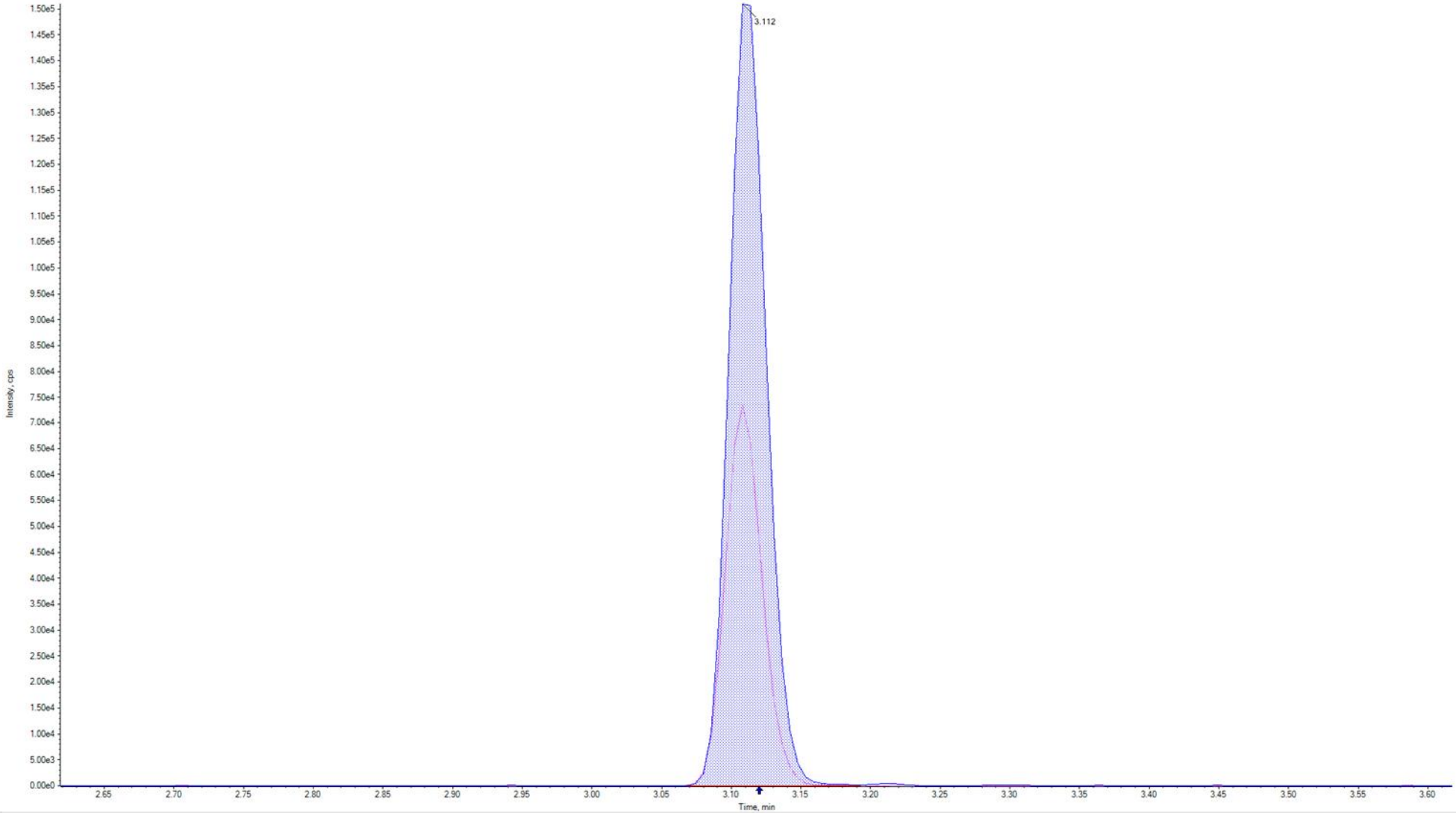
4:2FTS_2
Sample: IA1633STD-2.5 S/N:5033.4 Points Across peak:31



6:2FTS
Sample: IA1633STD-2.5 S/N:4411.4 Points Across peak:21

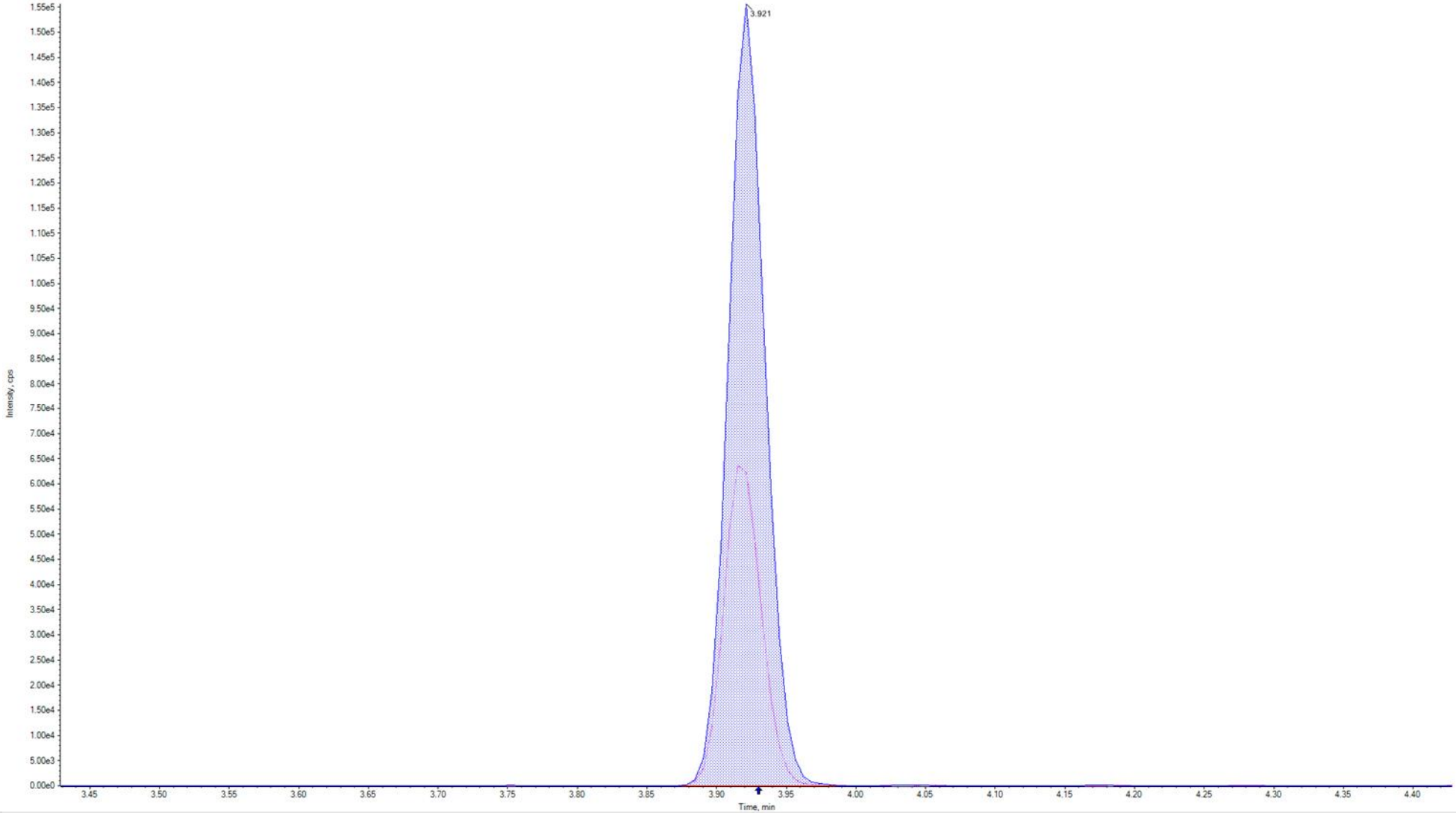


6:2FTS_2
Sample: IA1633STD-2.5 S/N:3027.2 Points Across peak:25



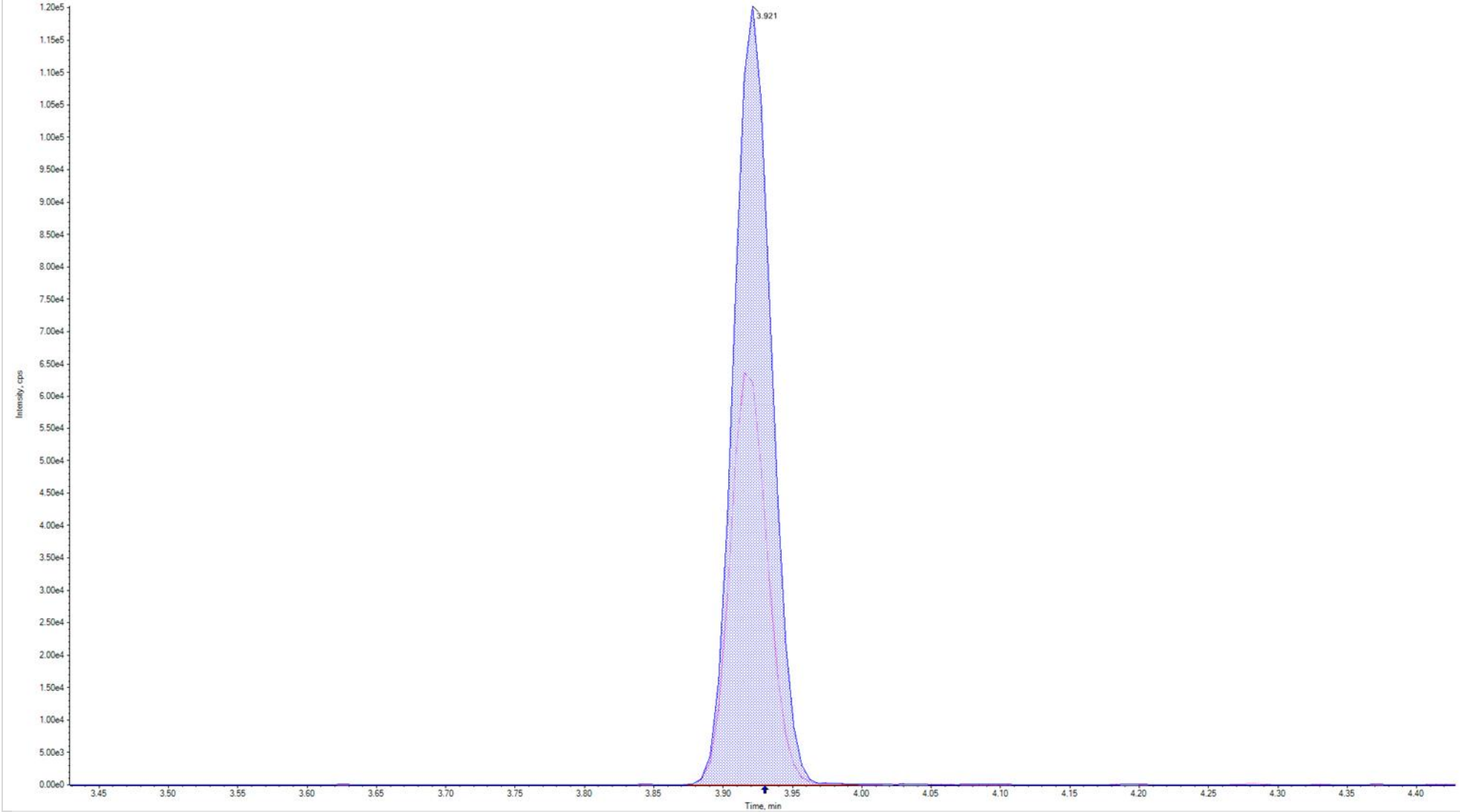
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

8:2FTS
Sample: IA1633STD-2.5 S/N:3121.0 Points Across peak:26



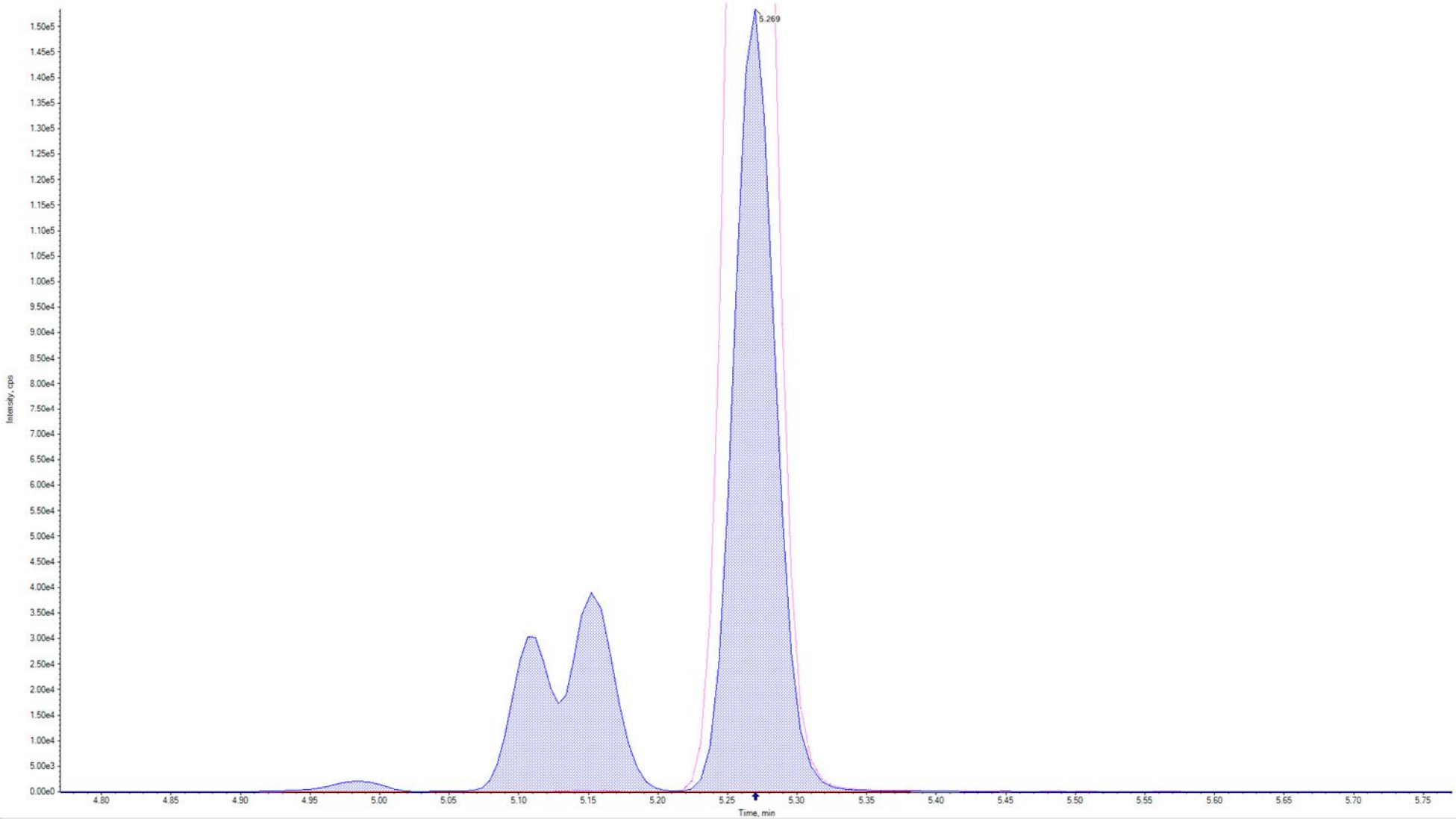
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

8:2FTS_2
Sample: IA1633STD-2.5 S/N:2411.4 Points Across peak:23



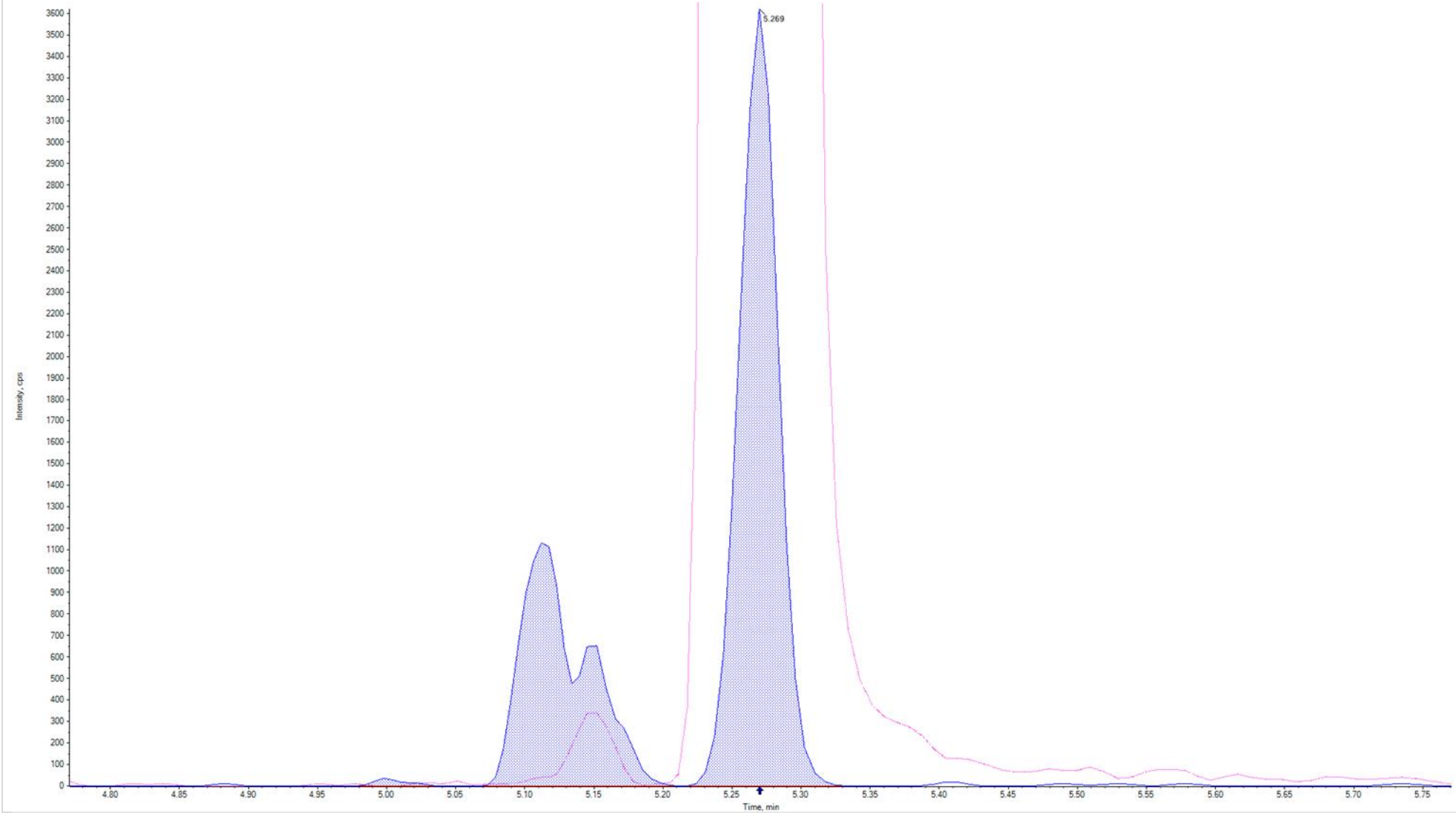
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOSA
Sample: IA1633STD-2.5 S/N:245.5 Points Across peak:71



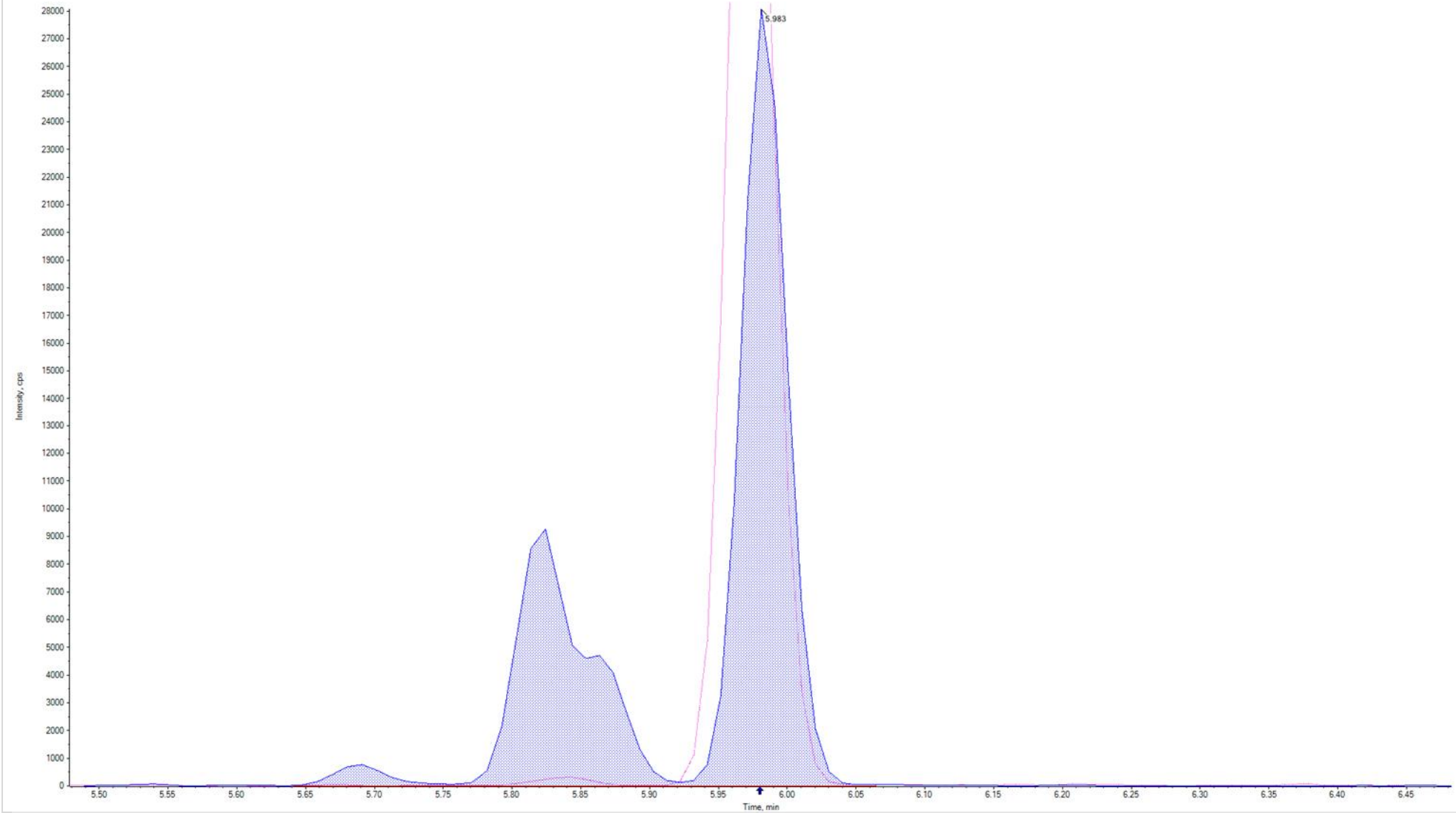
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOSA_2
Sample: IA1633STD-2.5 S/N:287.9 Points Across peak:65



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSA
Sample: IA1633STD-2.5 S/N:289.3 Points Across peak:43



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
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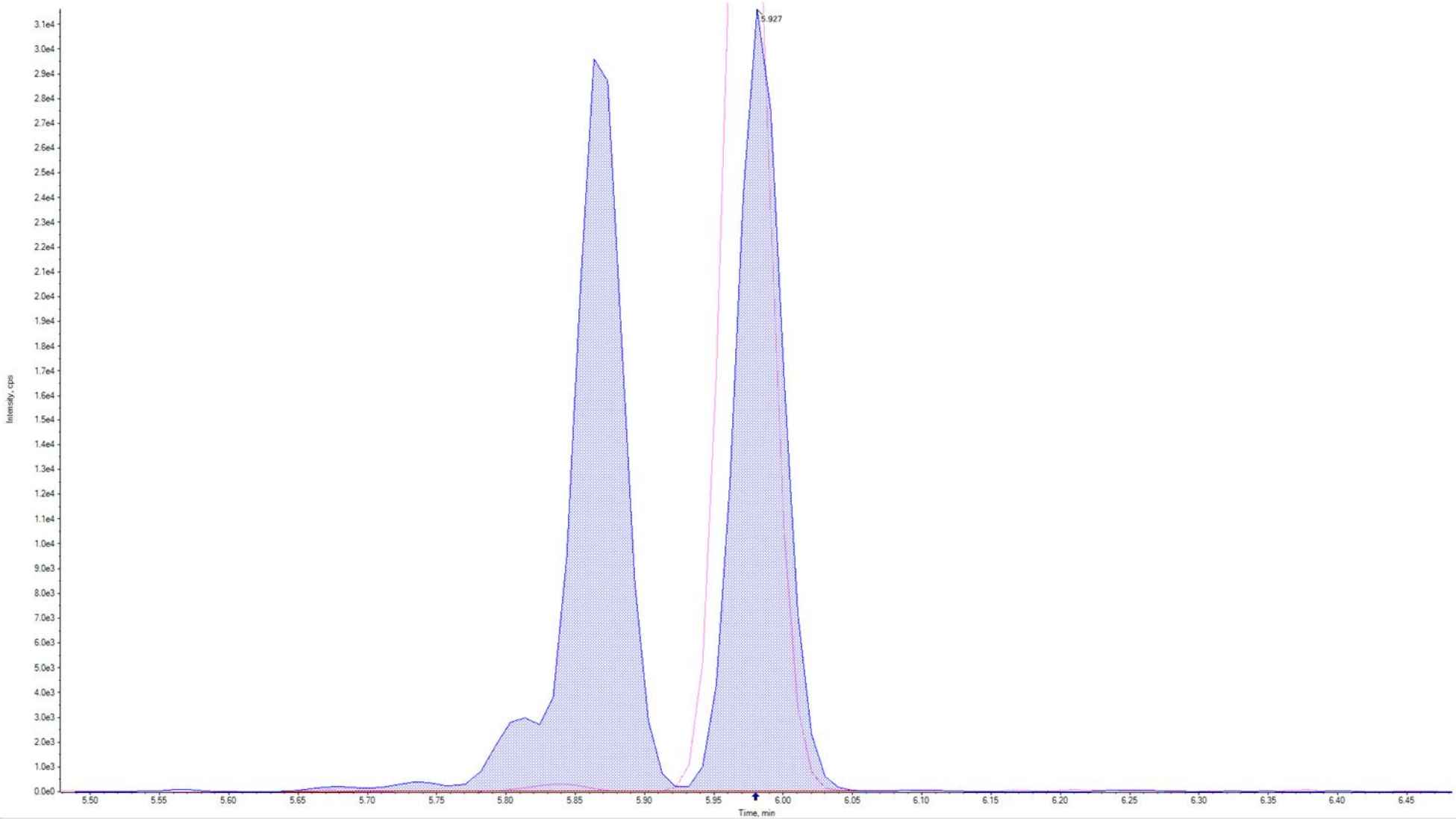
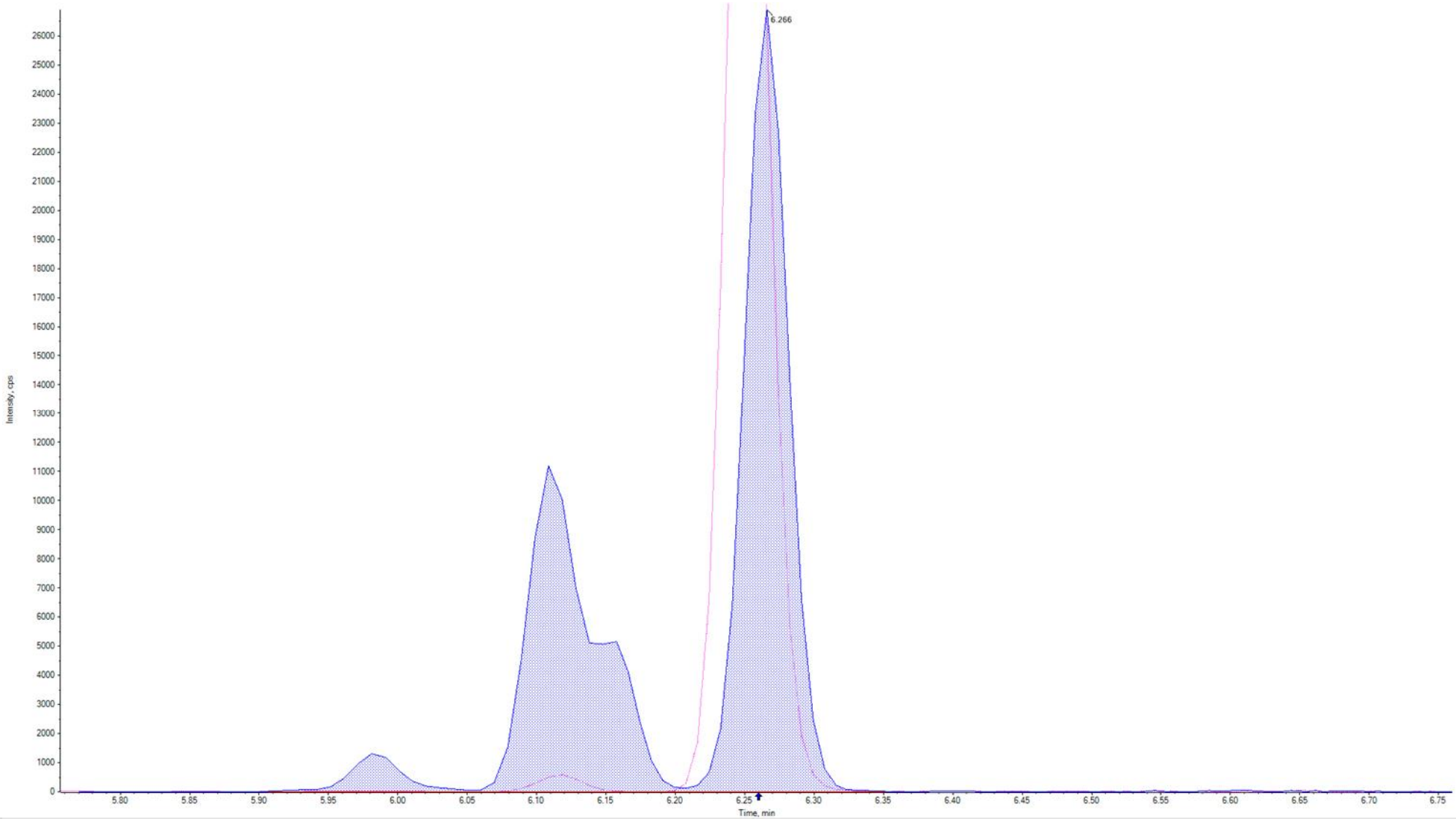
Generated: 11/15/2024 2:54:34 PM

NMeFOSA_2
Sample: IA1633STD-2.5 S/N:249.4 Points Across peak:43

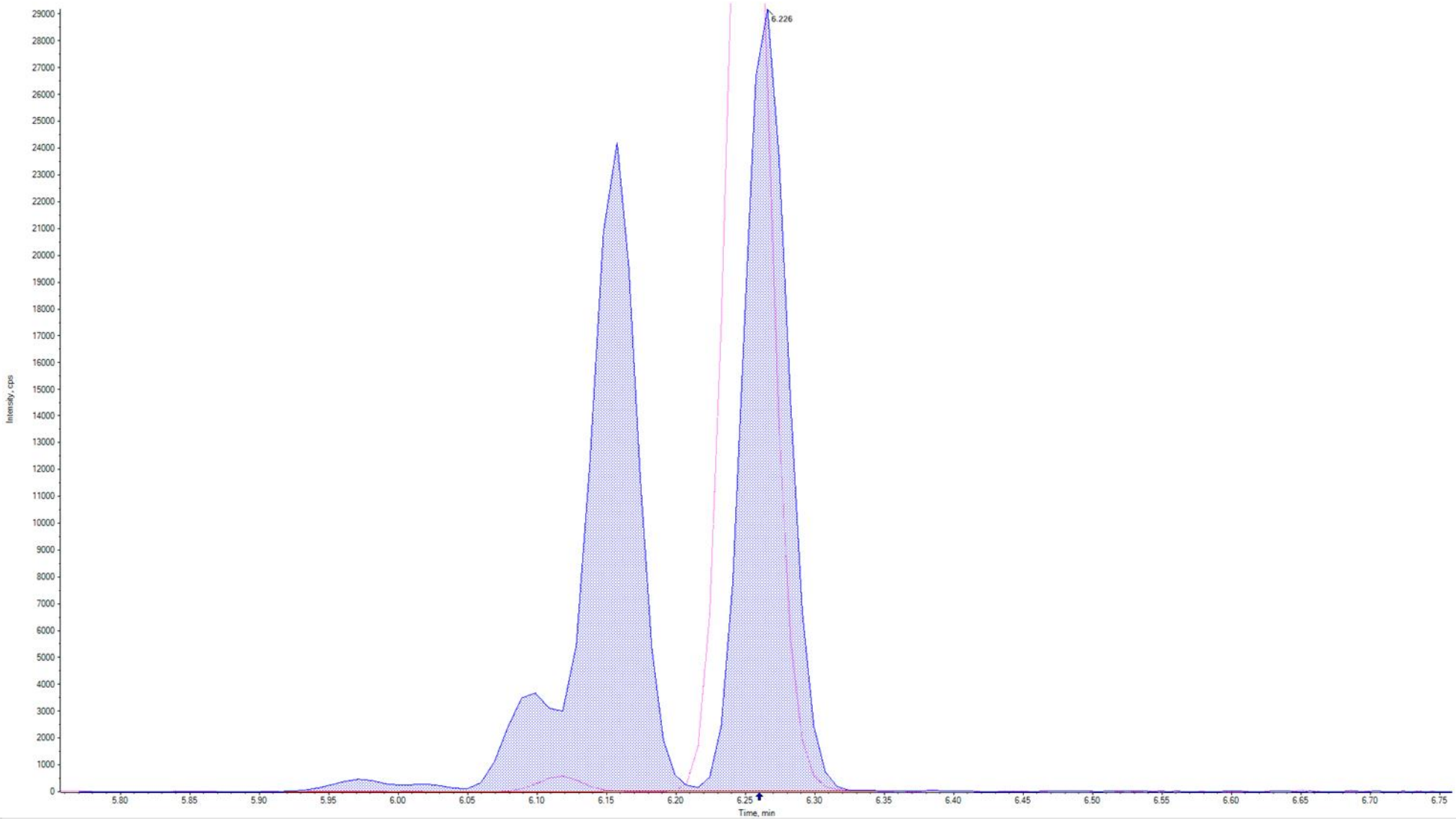


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSA
Sample: IA1633STD-2.5 S/N:718.3 Points Across peak:56

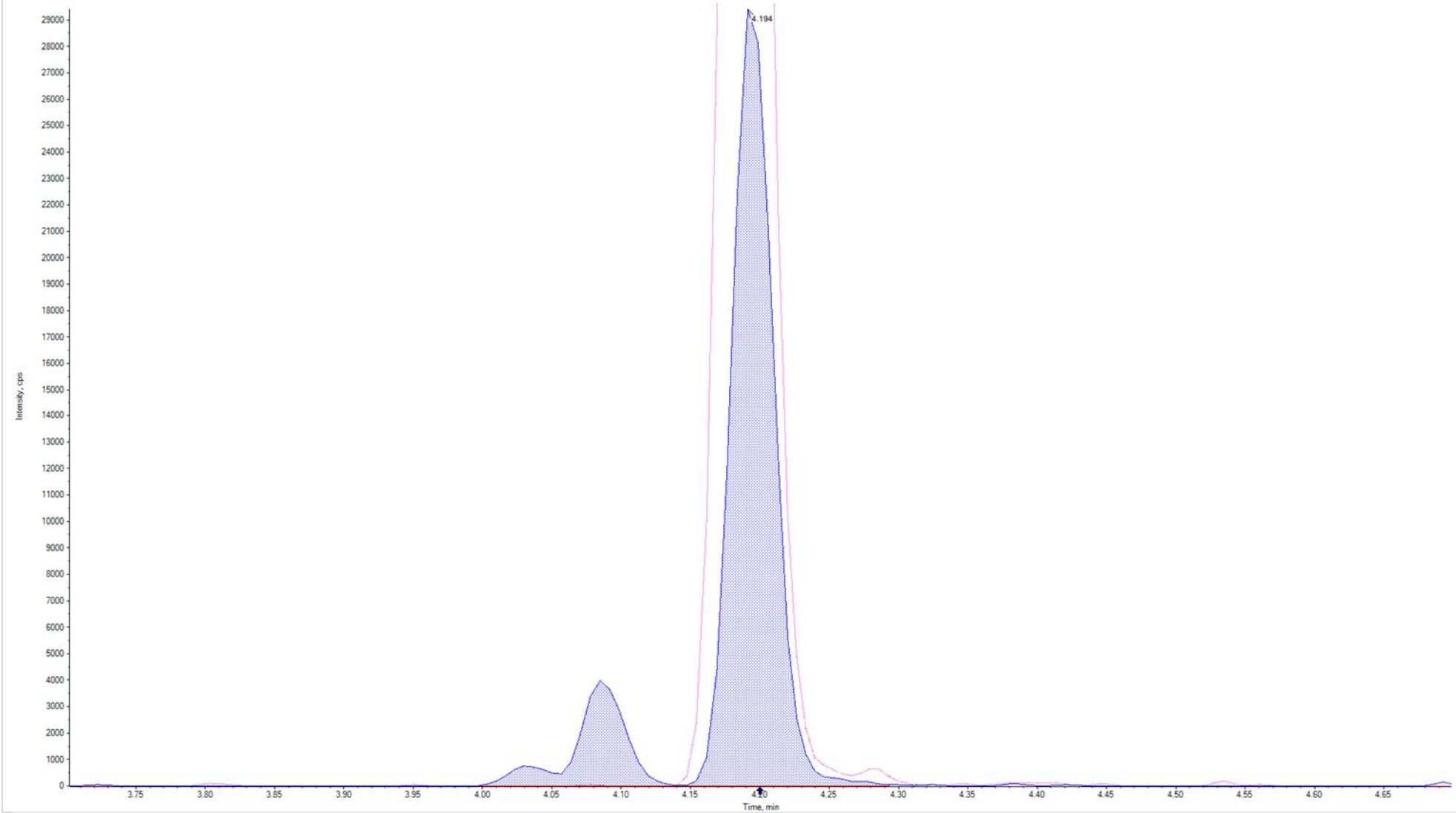


NEtFOSA_2
Sample: IA1633STD-2.5 S/N:846.9 Points Across peak:55



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSAA
Sample: IA1633STD-2.5 S/N:589.8 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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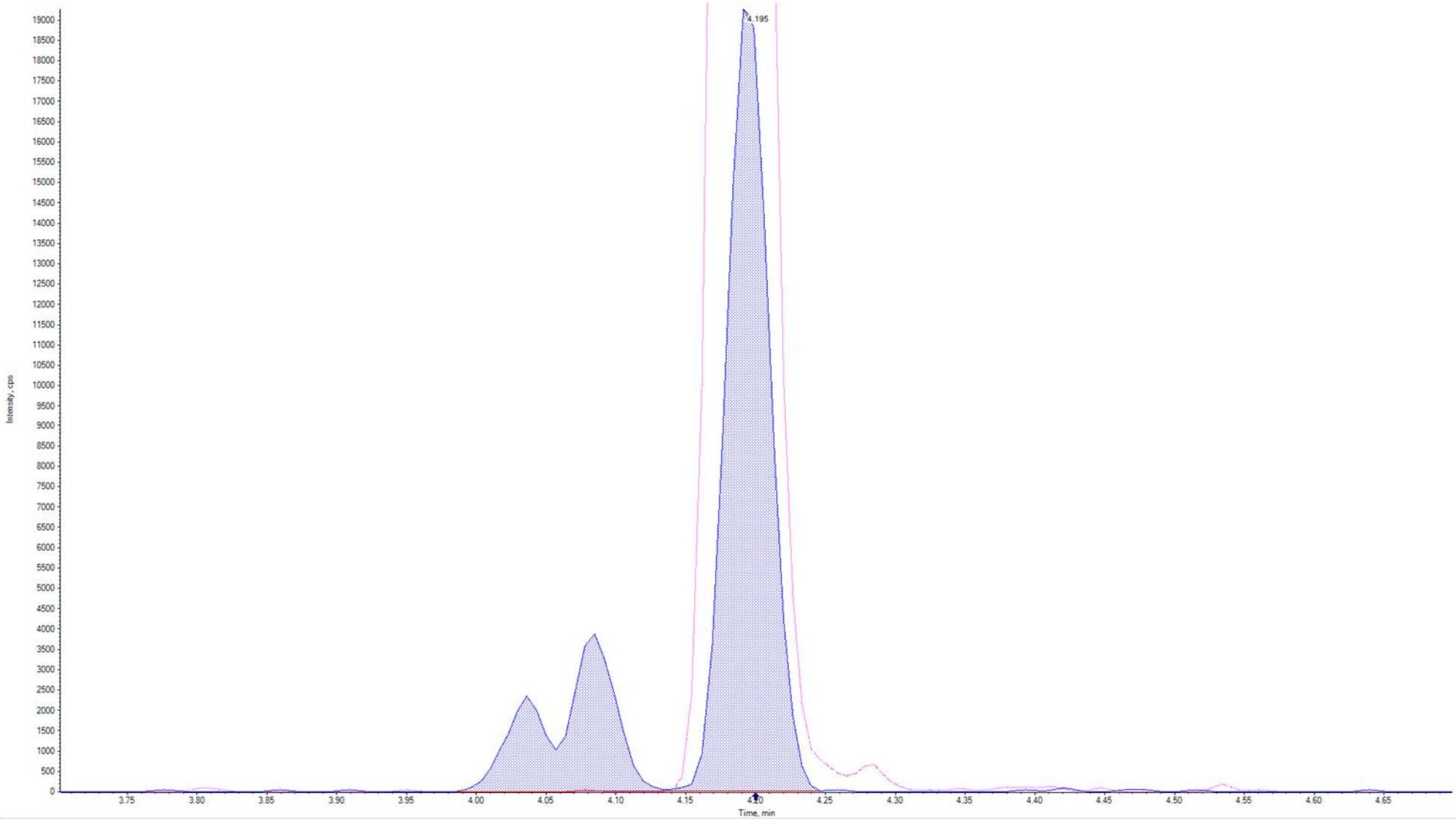
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSAA_2
Sample: IA1633STD-2.5 S/N:386.0 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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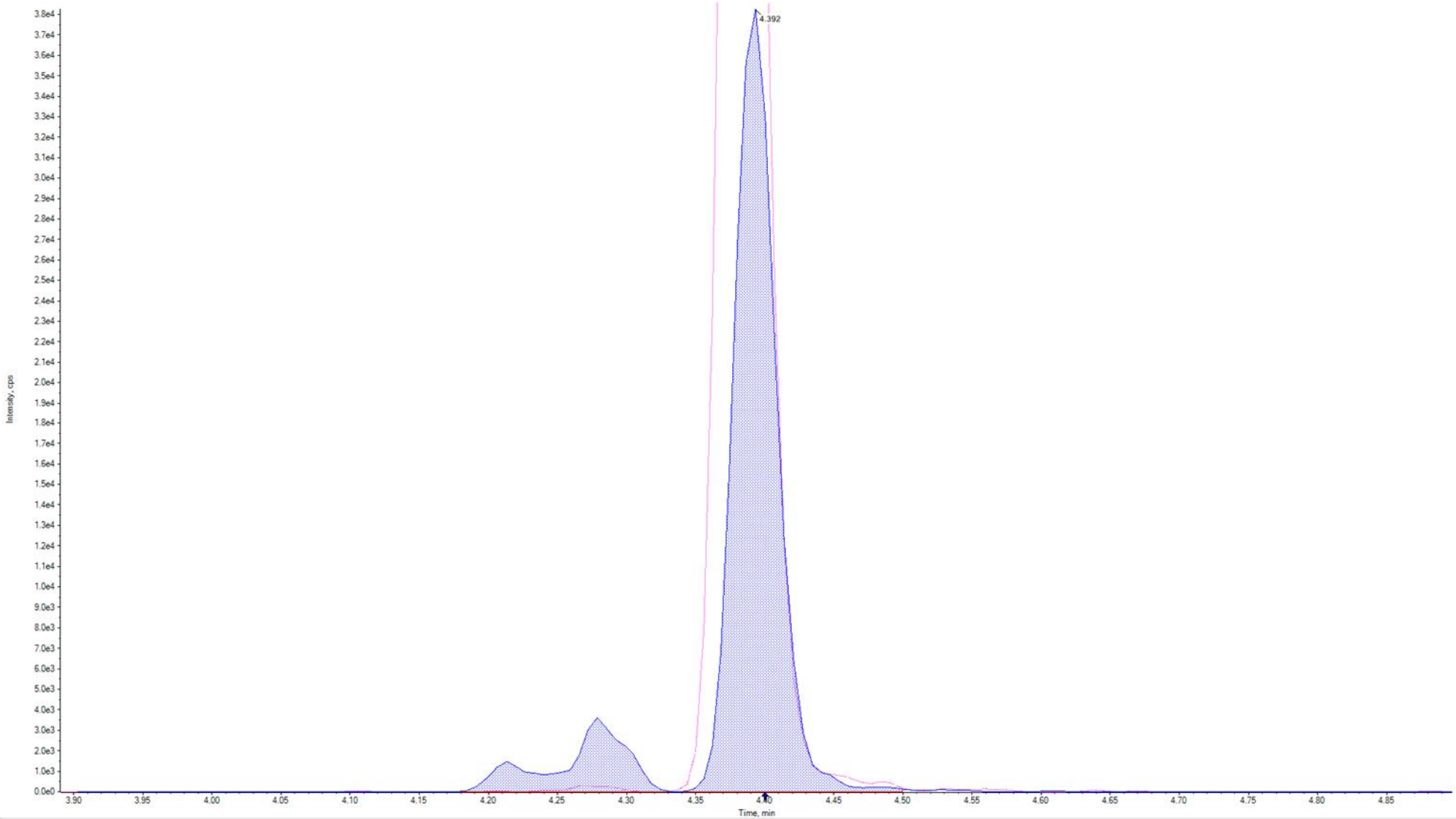
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSAA
Sample: IA1633STD-2.5 S/N:534.6 Points Across peak:52



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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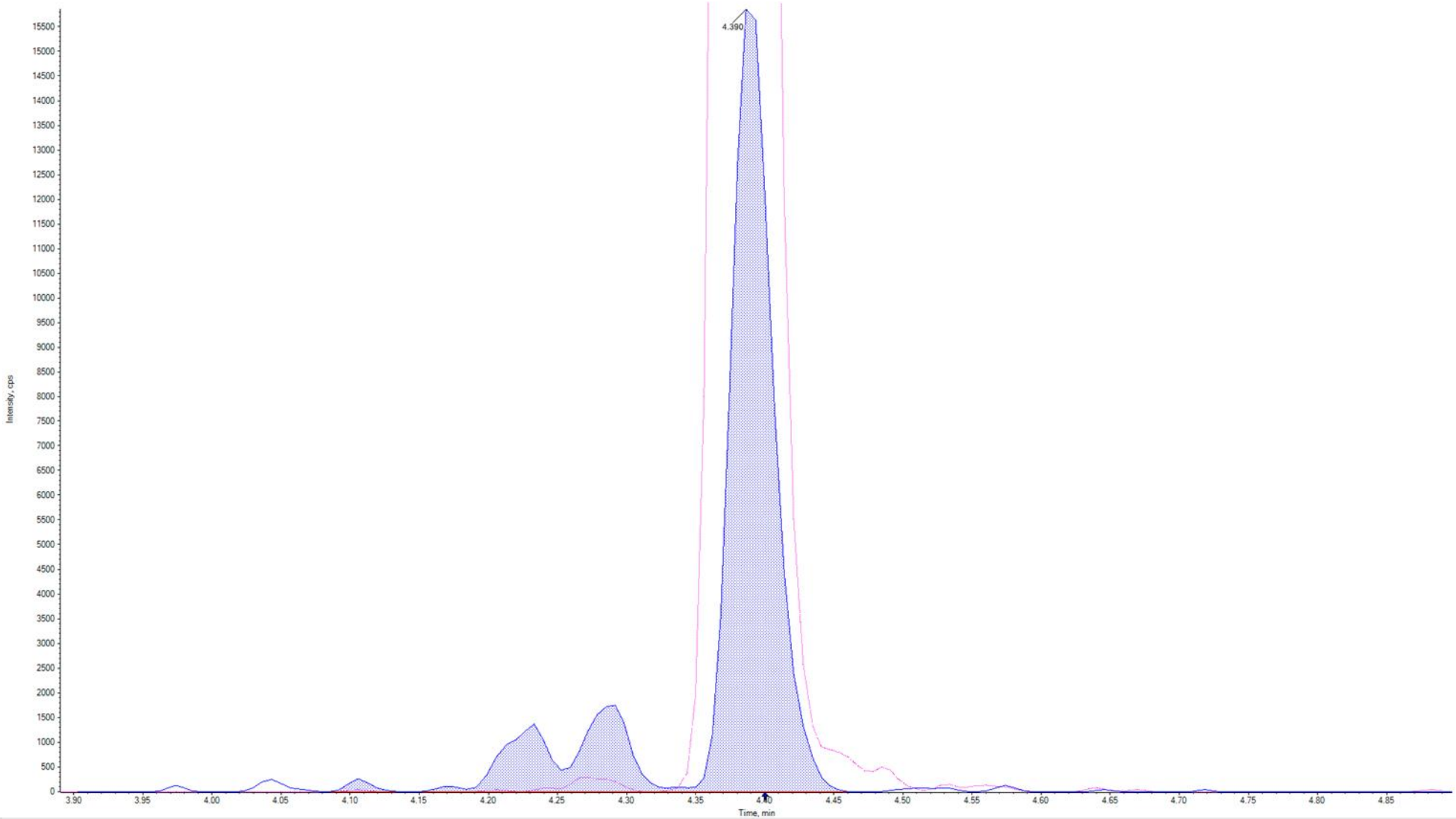
Generated: 11/15/2024 2:54:34 PM

NEtFOSAA_2
Sample: IA1633STD-2.5 S/N:310.1 Points Across peak:58



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:19:49 PM
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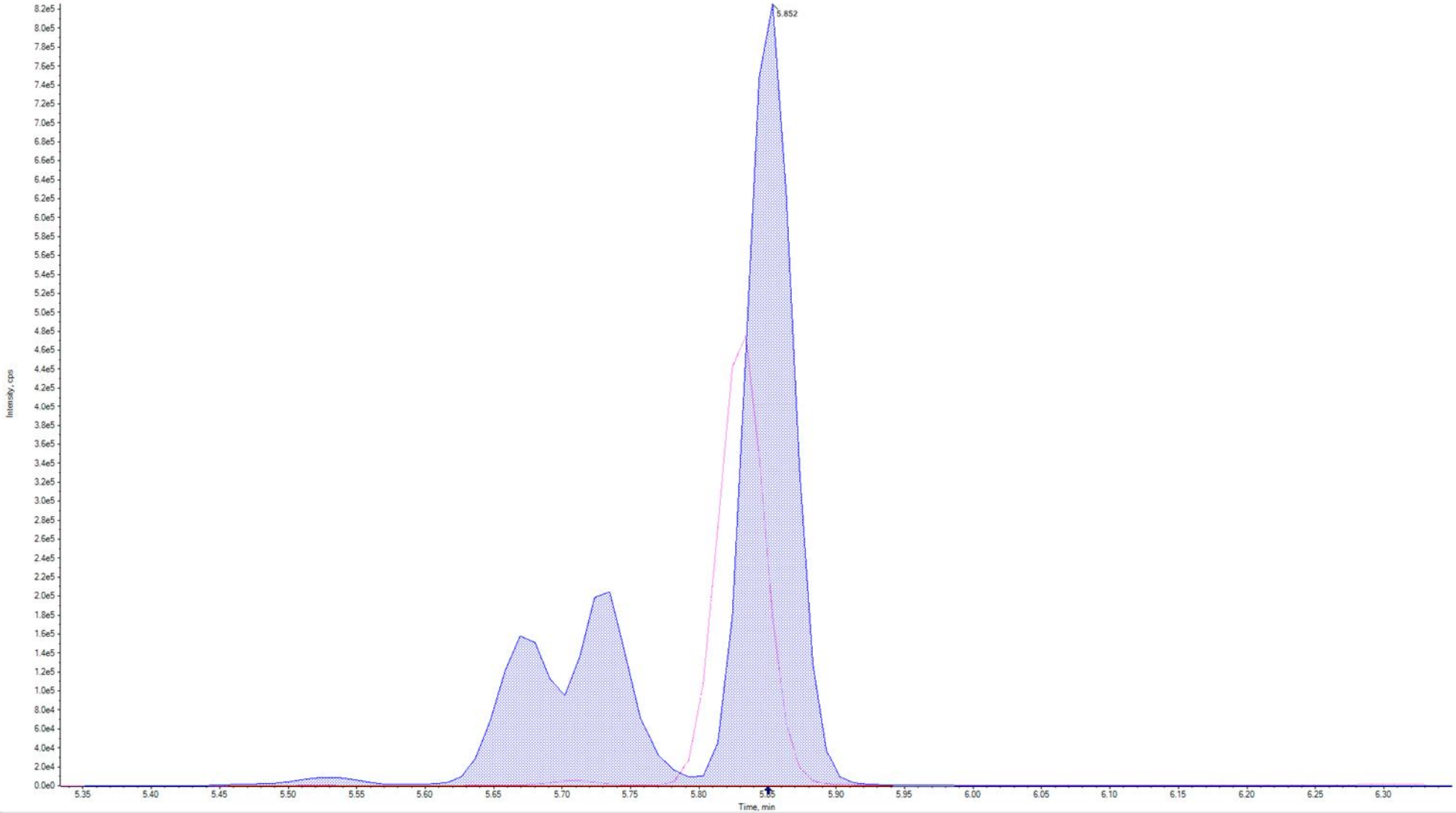
NMeFOSE
Sample: IA1633STD-2.5 S/N:235.5 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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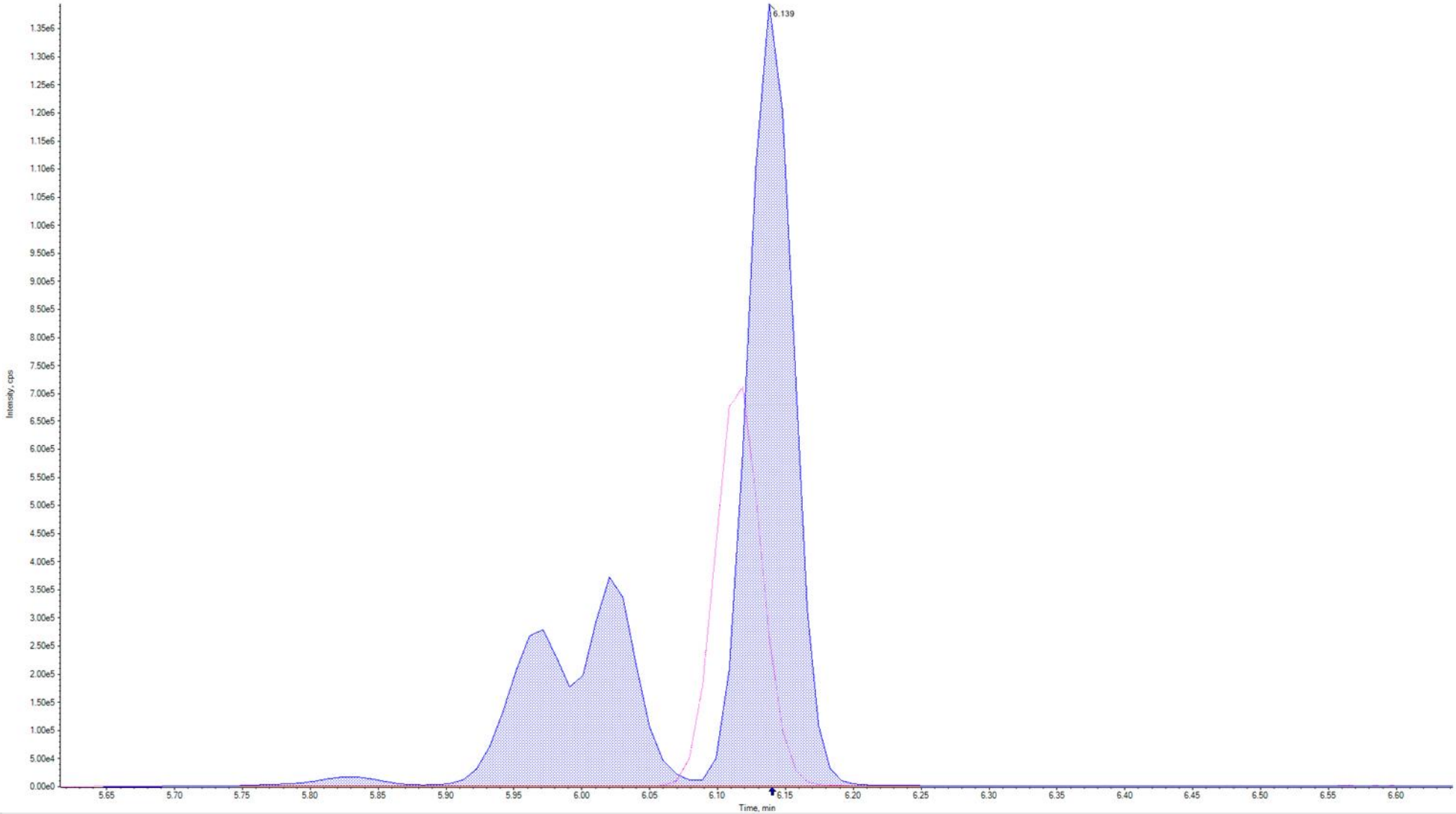
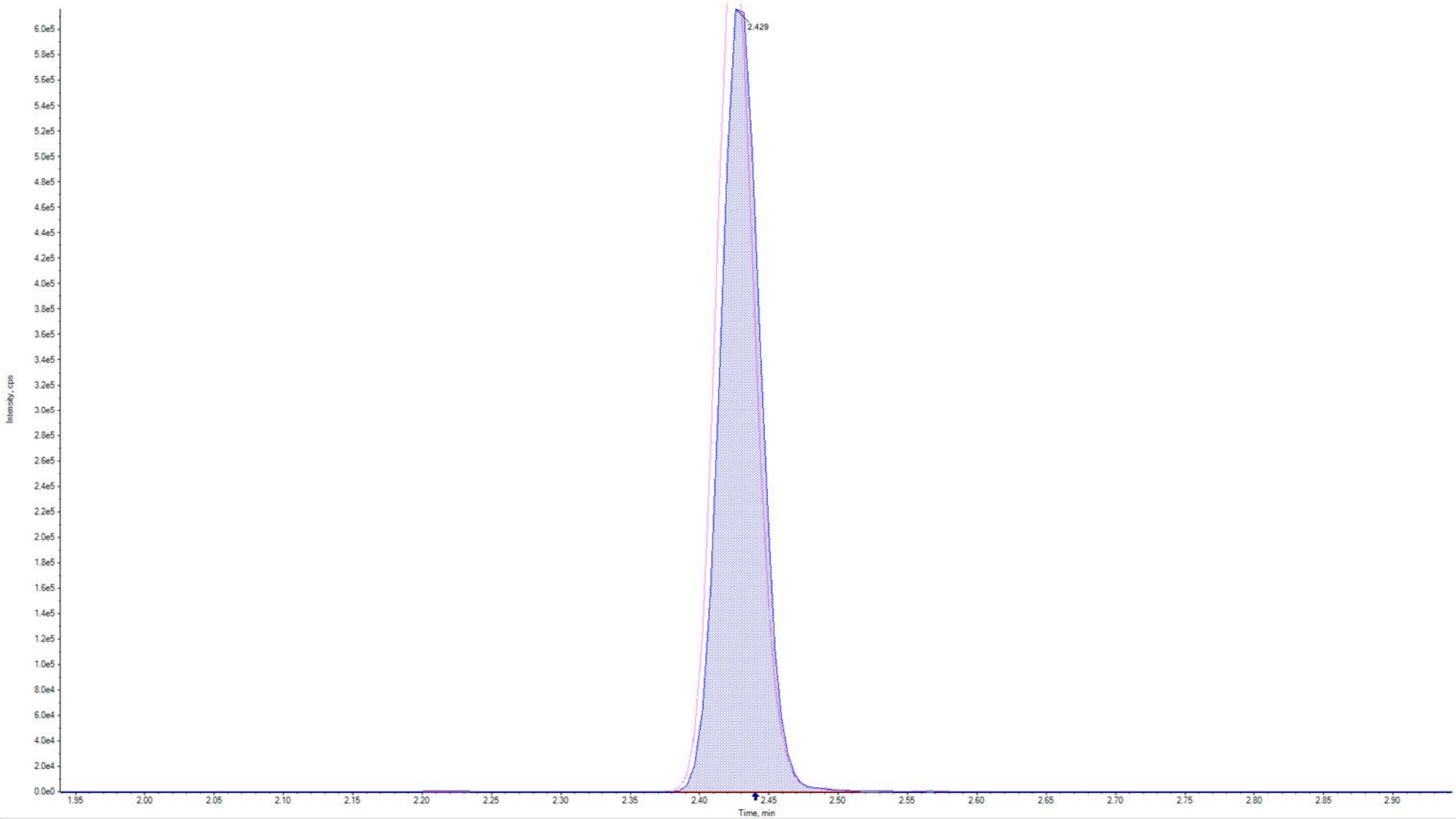
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

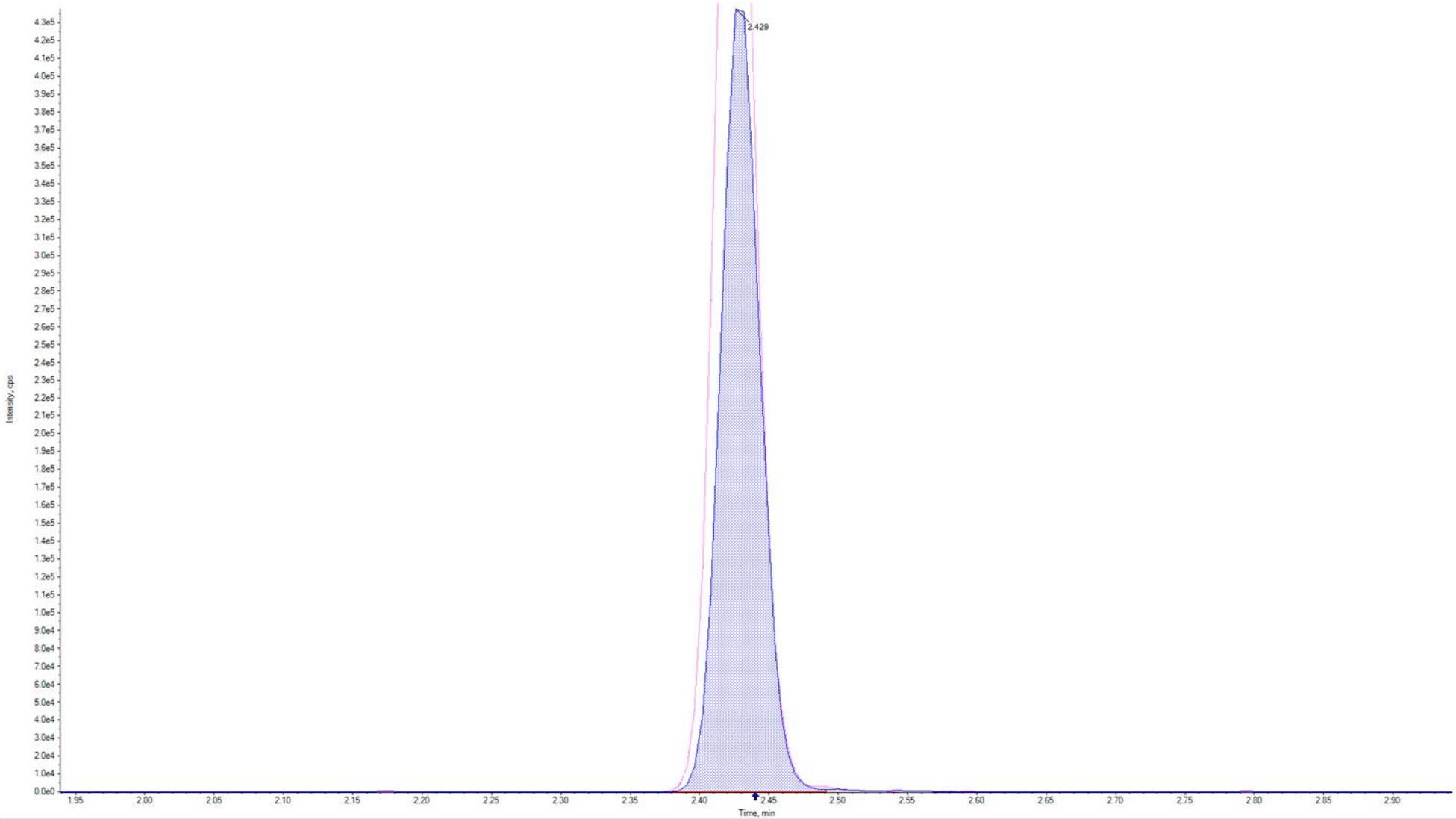
NEtFOSE
Sample: IA1633STD-2.5 S/N:472.2 Points Across peak:58



HFPO-DA
Sample: IA1633STD-2.5 S/N:13895.1 Points Across peak:29

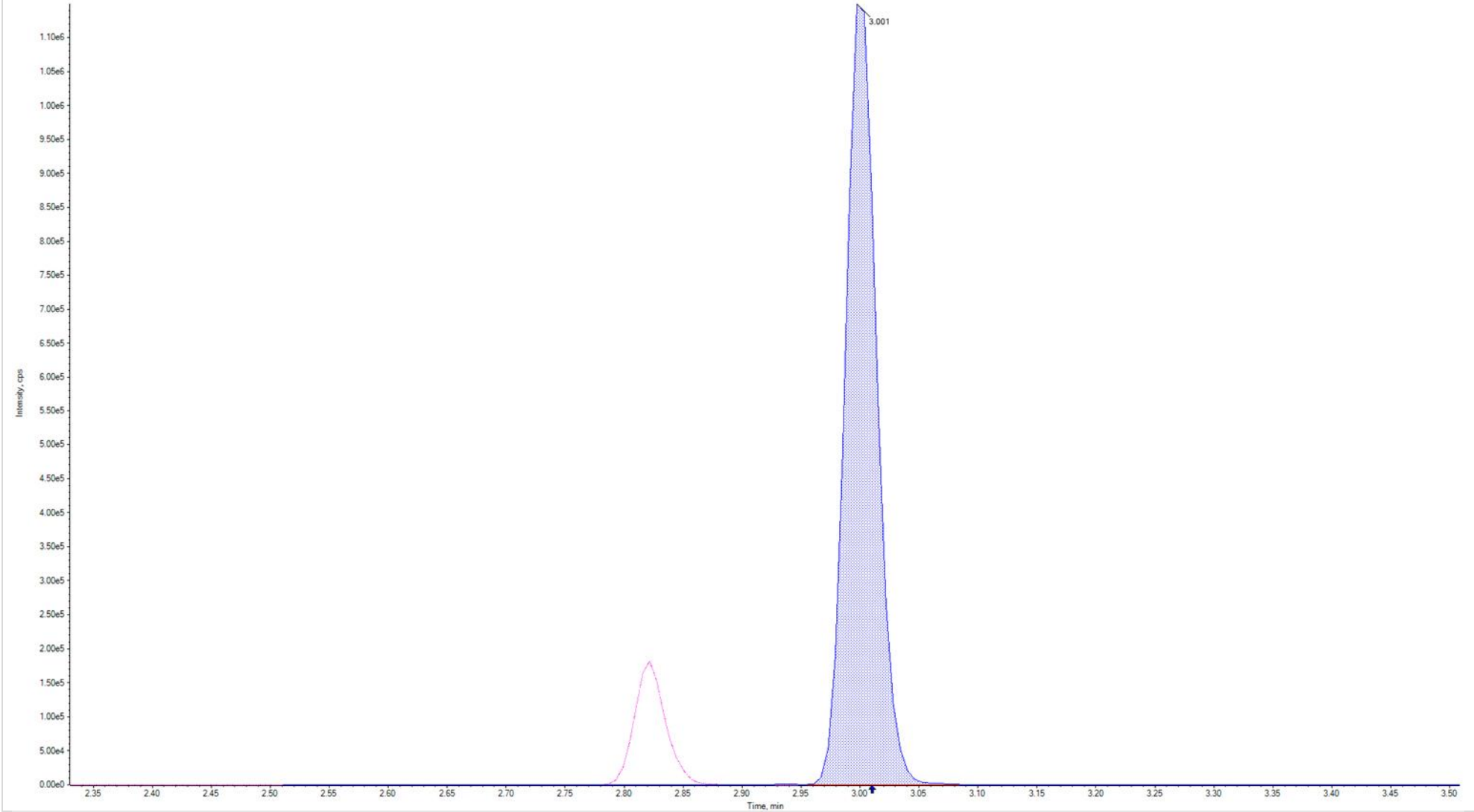


HFPO-DA_2
Sample: IA1633STD-2.5 S/N:9871.4 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

ADONA
Sample: IA1633STD-2.5 S/N:5397.3 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:19:49 PM
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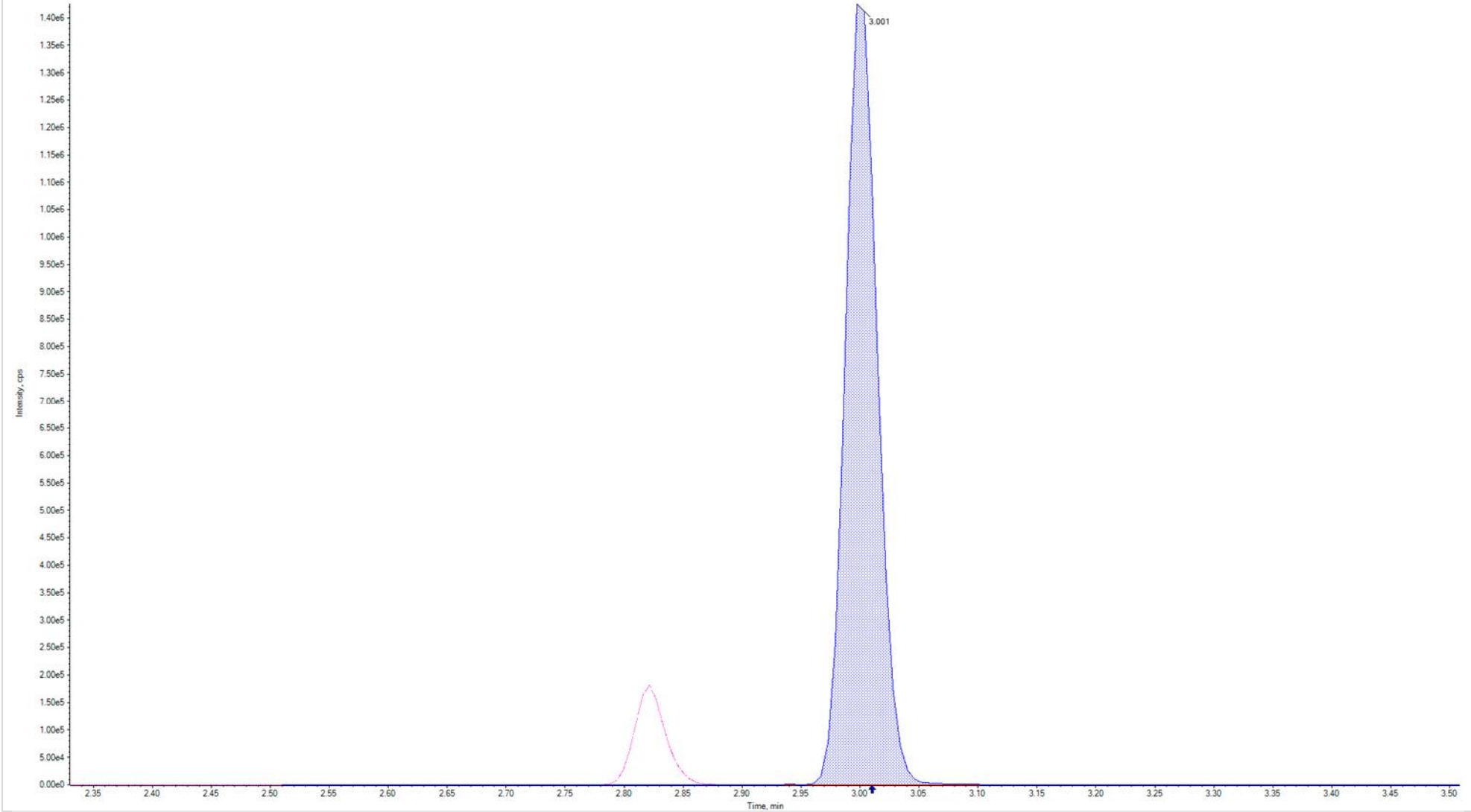
ADONA_2
Sample: IA1633STD-2.5 S/N:28583.0 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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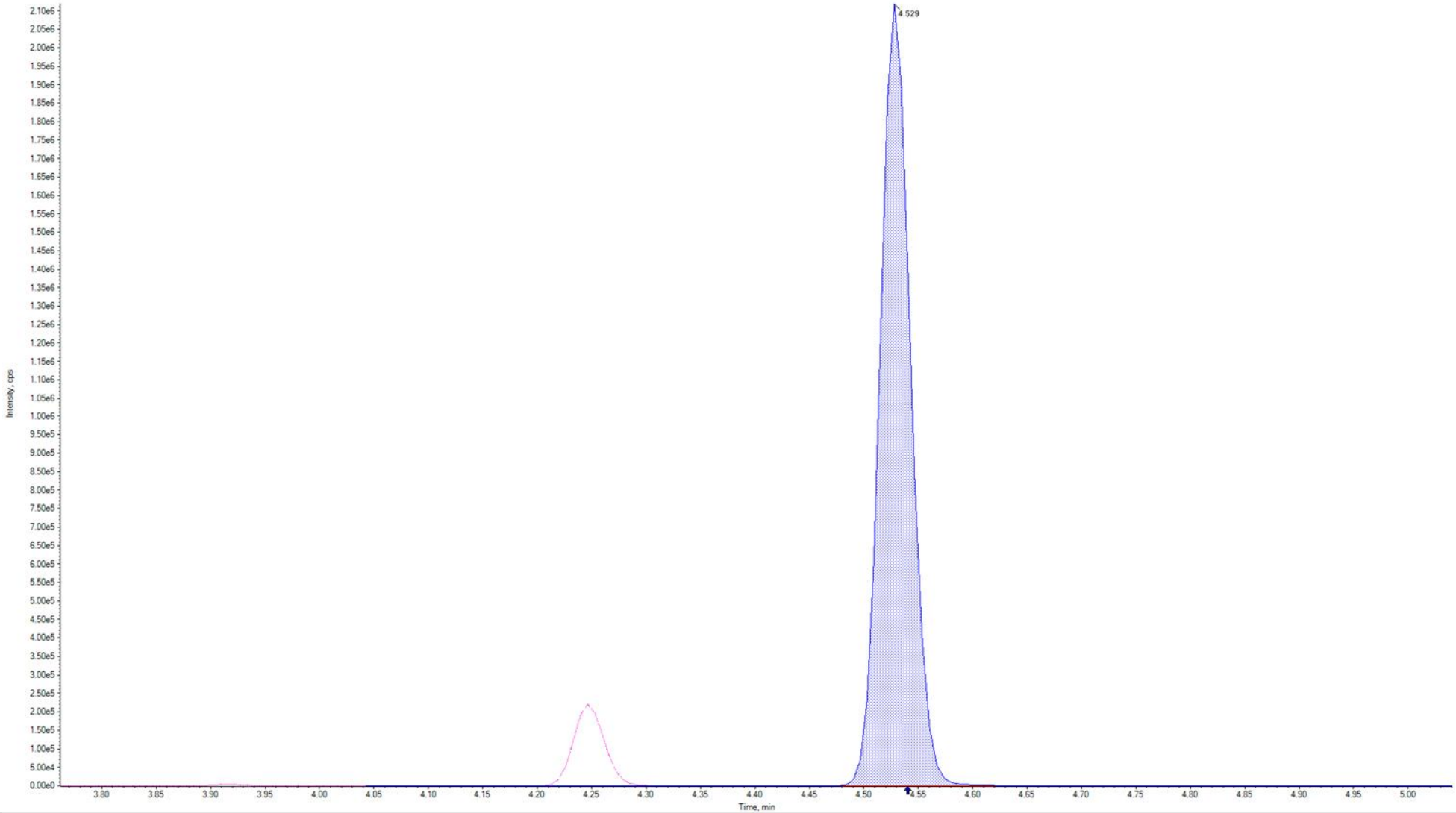
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

9Cl-PF3ONS
Sample: IA1633STD-2.5 S/N:10103.5 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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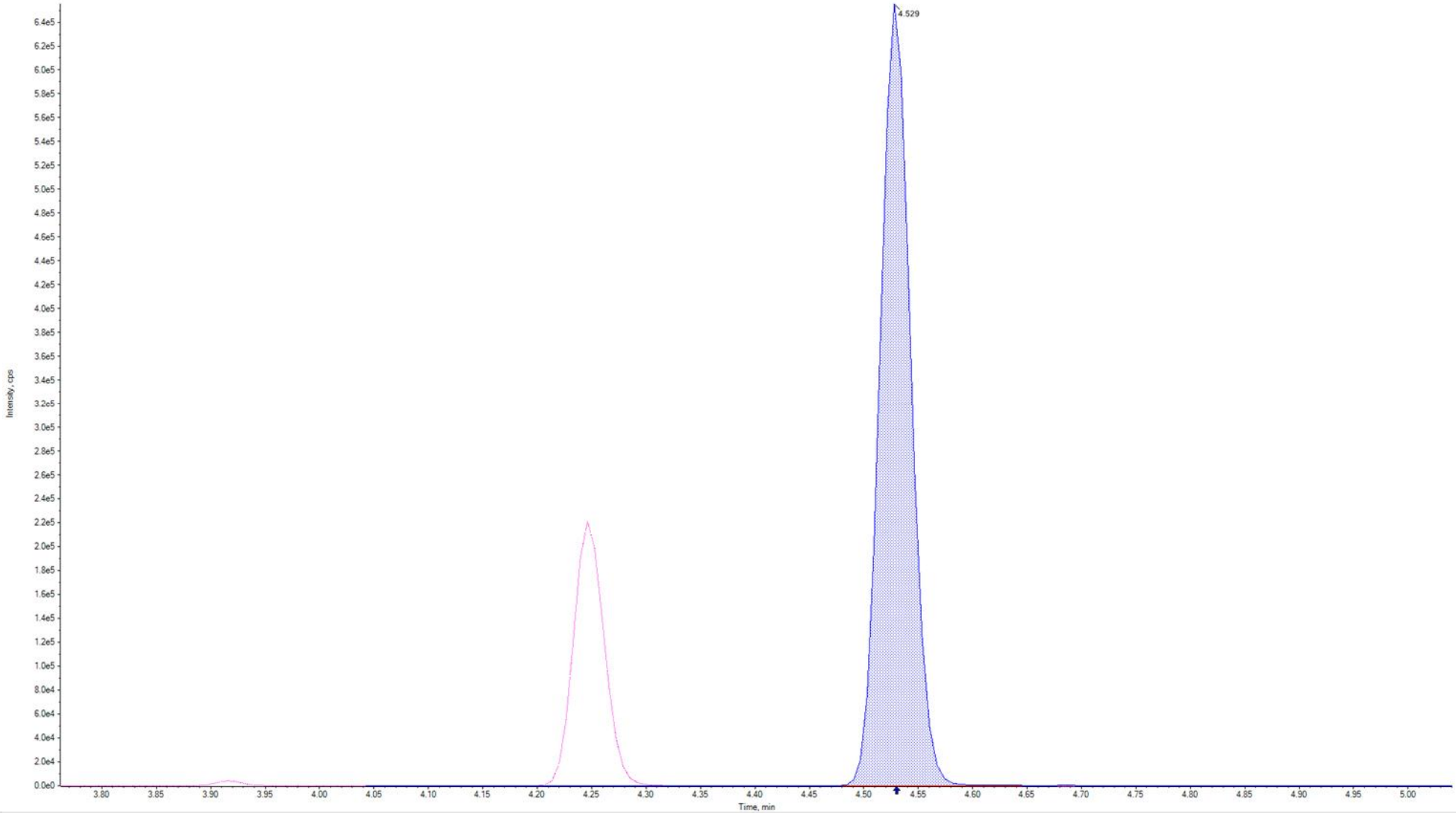
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

9Cl-PF3ONS_2
Sample: IA1633STD-2.5 S/N:3997.0 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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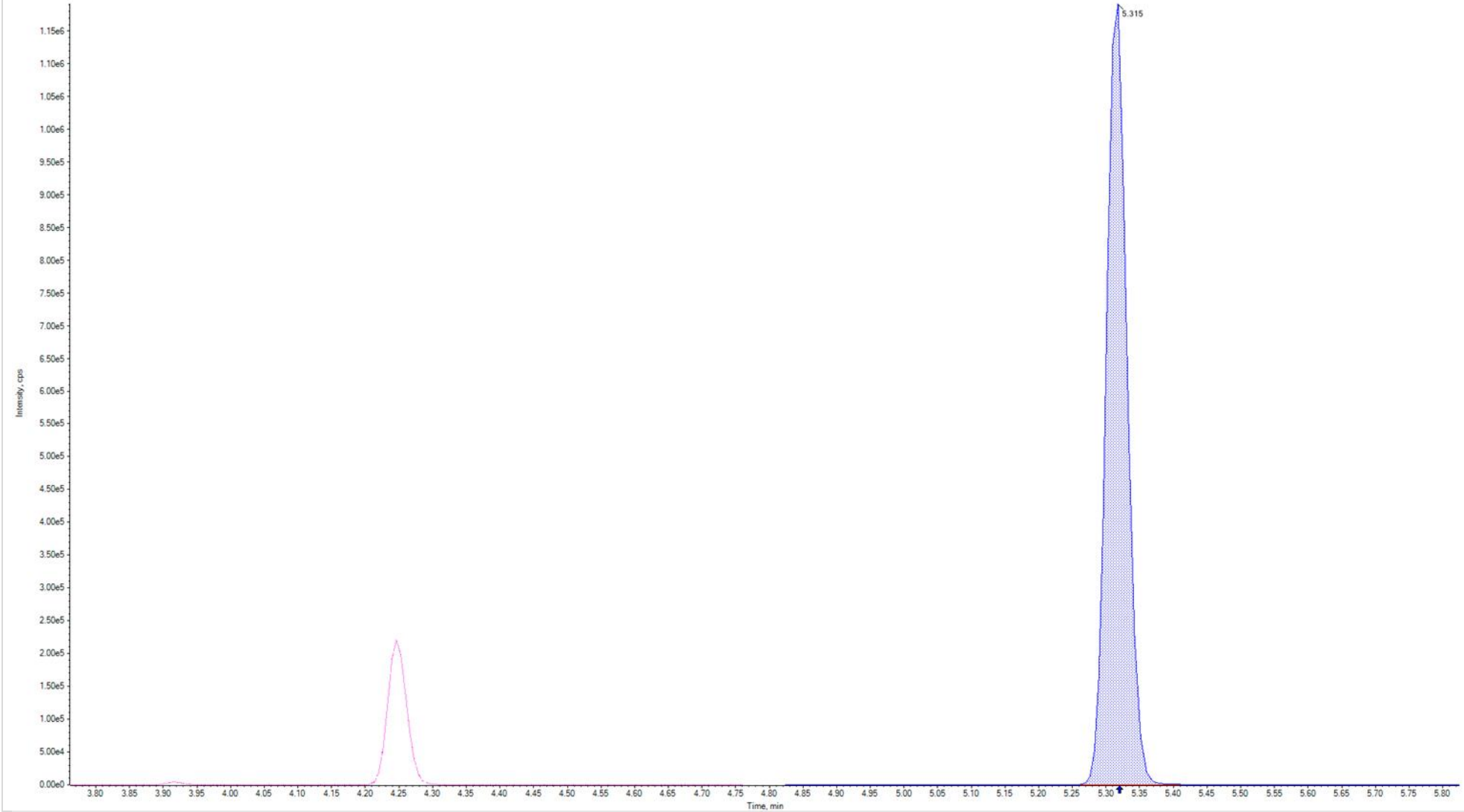
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

11Cl-PF3OUdS
Sample: IA1633STD-2.5 S/N:7522.3 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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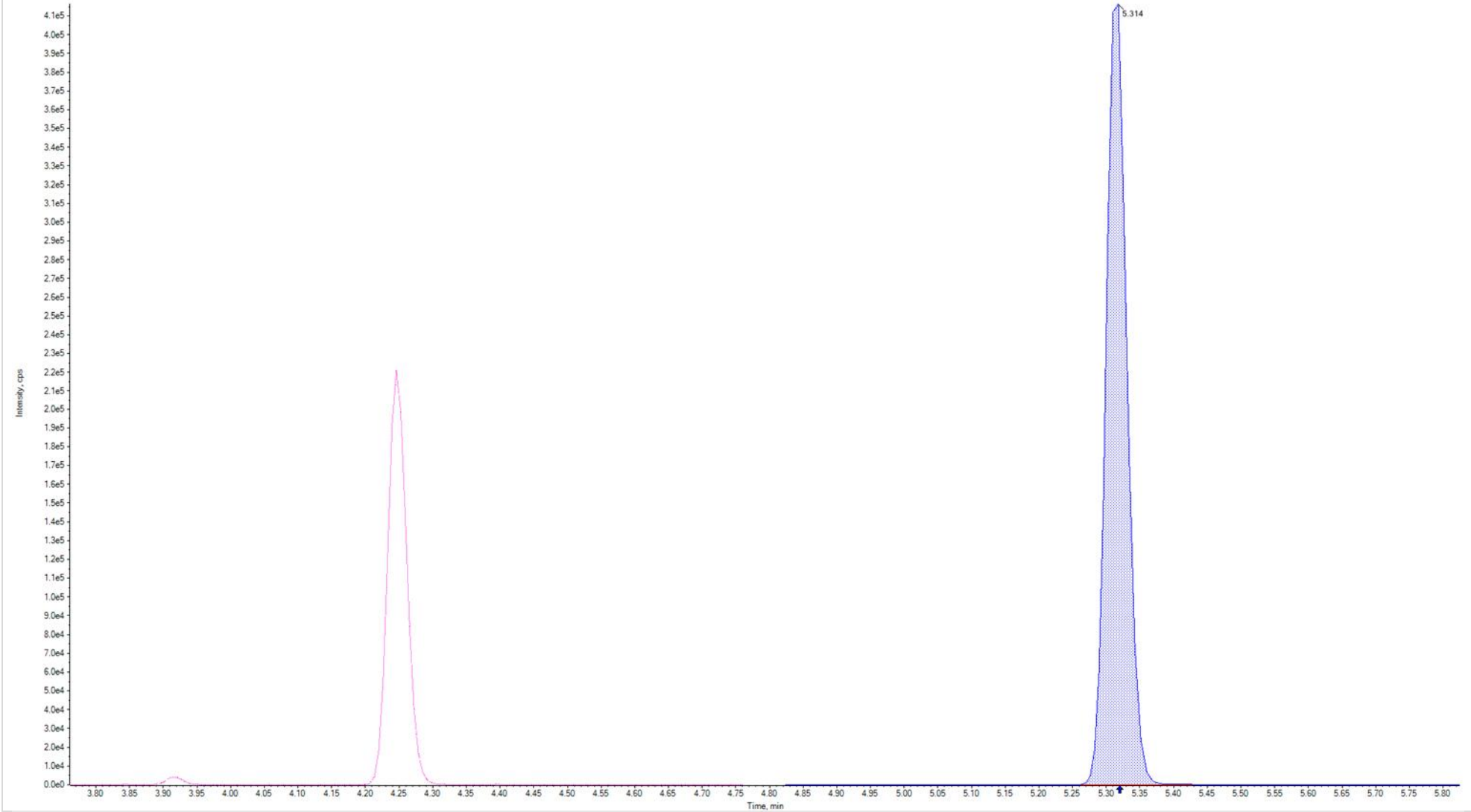
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-2.5 S/N:7875.2 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:19:49 PM
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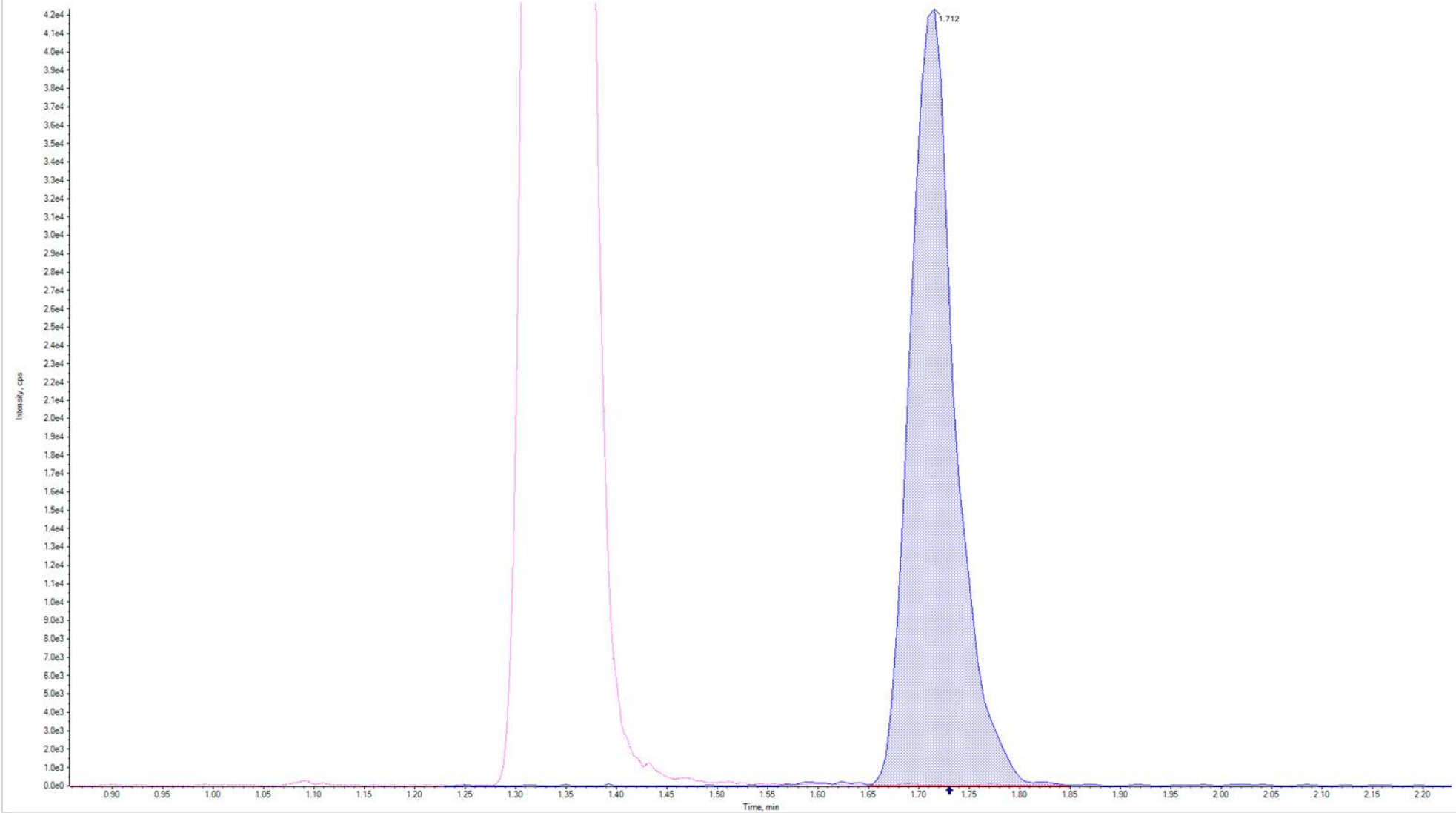
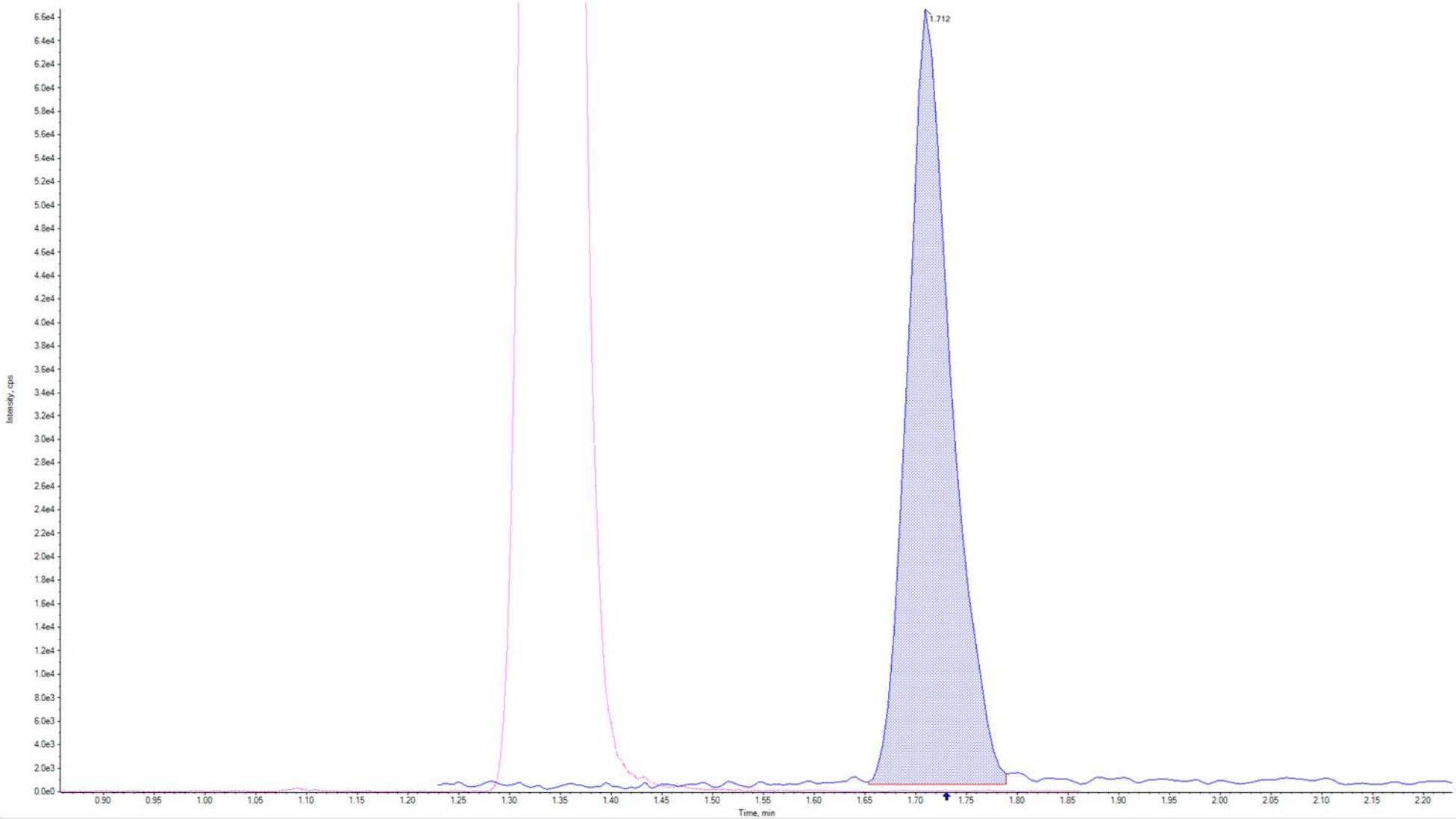
3:3FTCA
Sample: IA1633STD-2.5 S/N:1060.9 Points Across peak:35



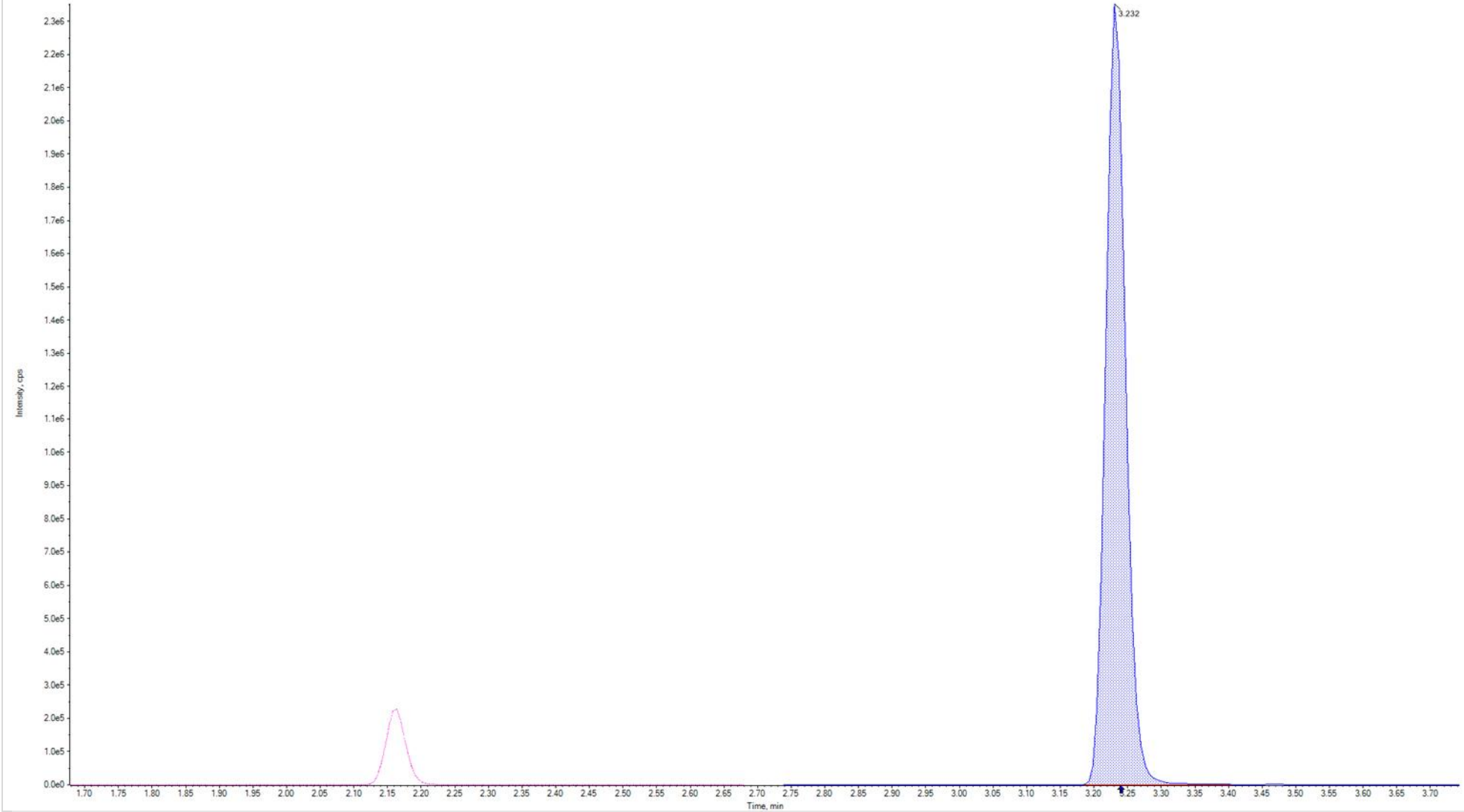
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

3:3FTCA_2
Sample: IA1633STD-2.5 S/N:919.6 Points Across peak:24



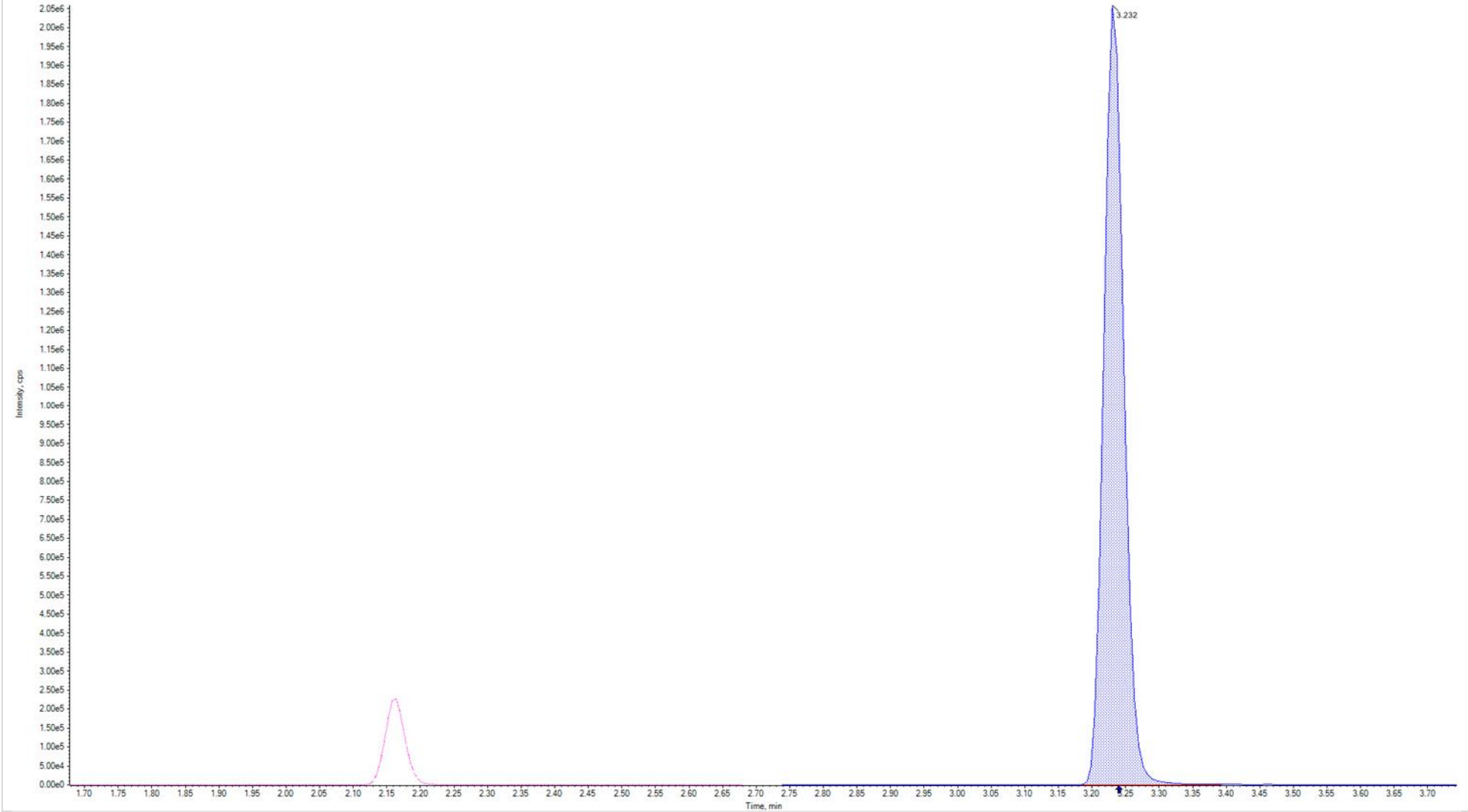
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

5:3FTCA
Sample: IA1633STD-2.5 S/N:7647.3 Points Across peak:42



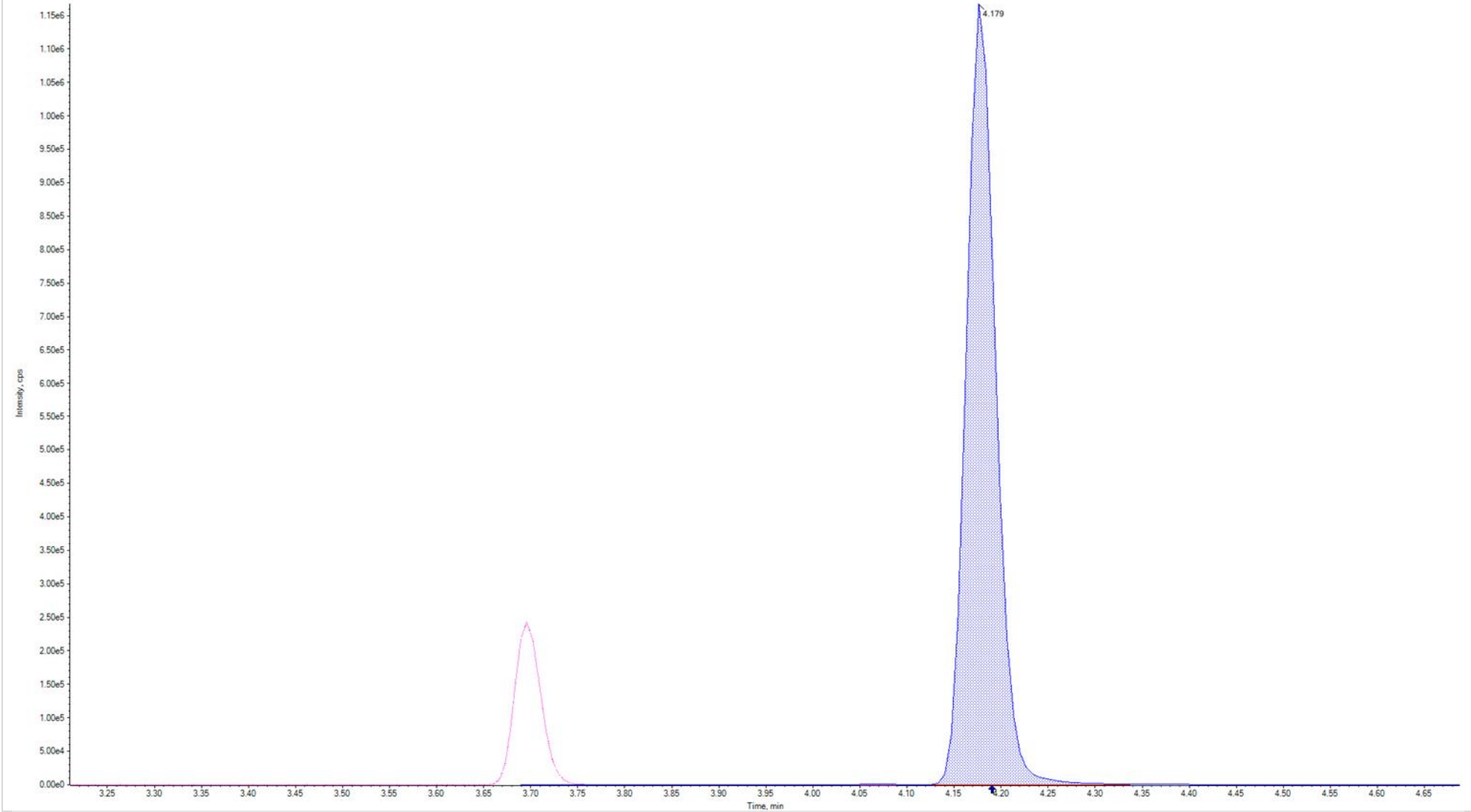
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

5:3FTCA_2
Sample: IA1633STD-2.5 S/N:46438.5 Points Across peak:35



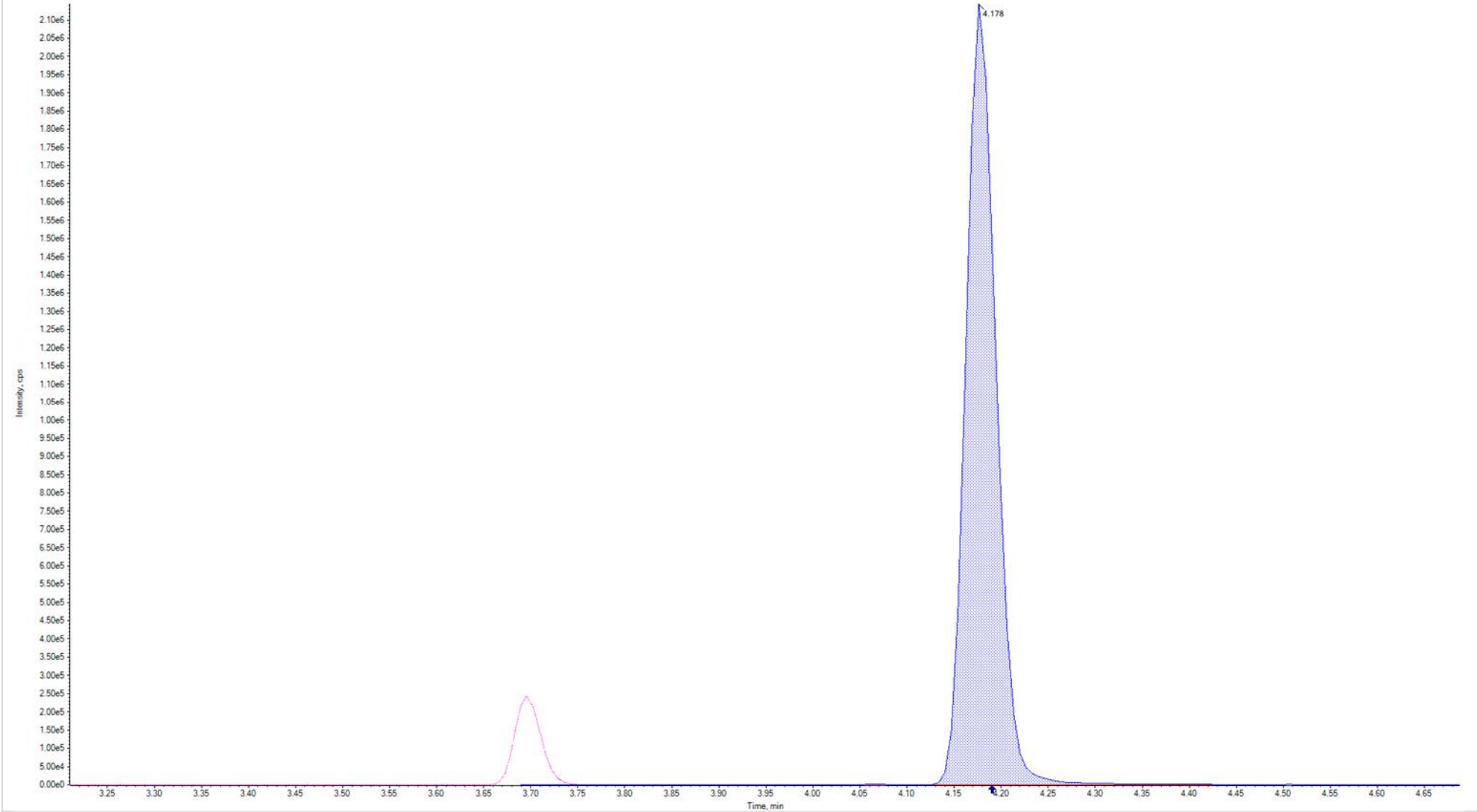
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

7:3FTCA
Sample: IA1633STD-2.5 S/N:32185.1 Points Across peak:35



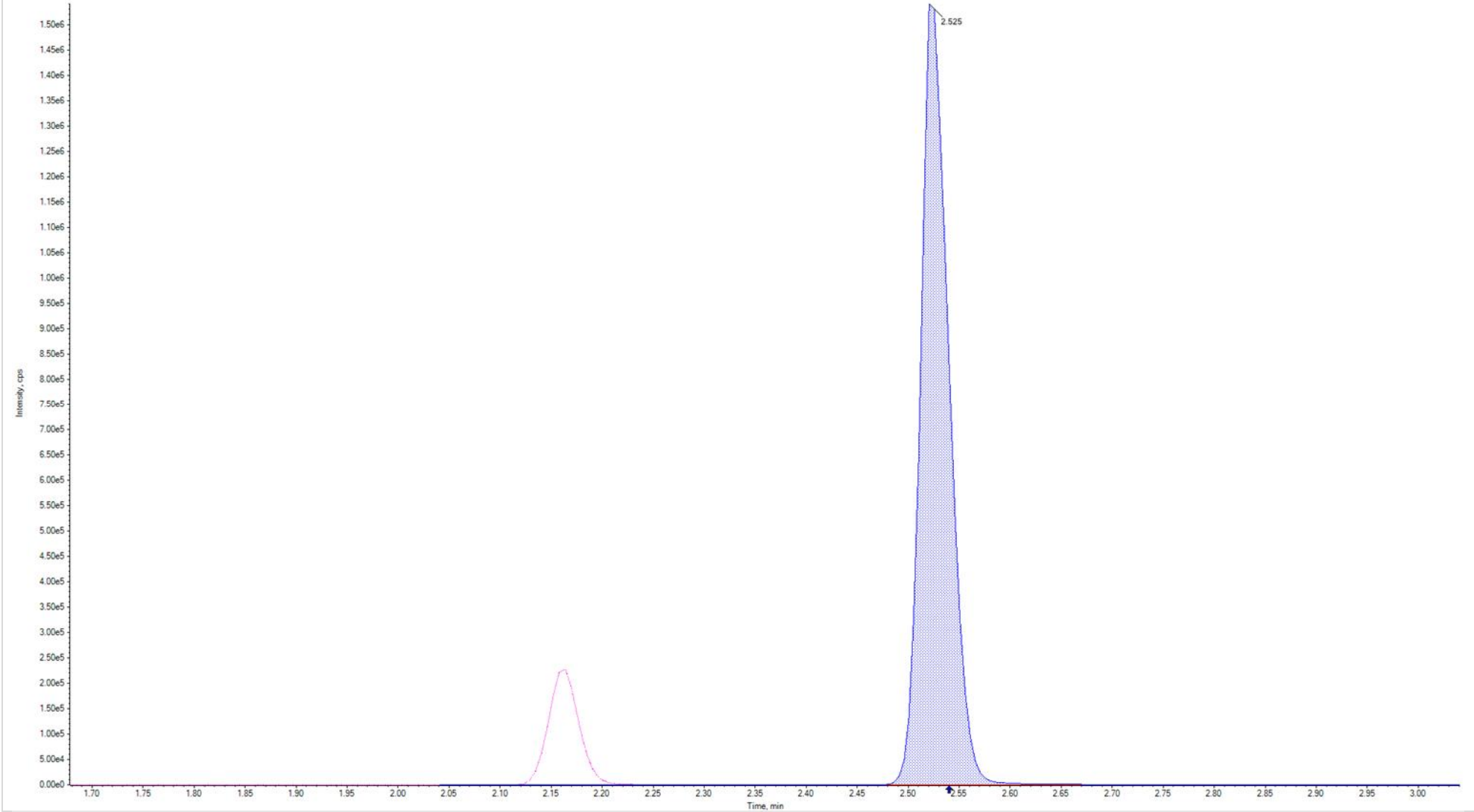
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

7:3FTCA_2
Sample: IA1633STD-2.5 S/N:59116.9 Points Across peak:50



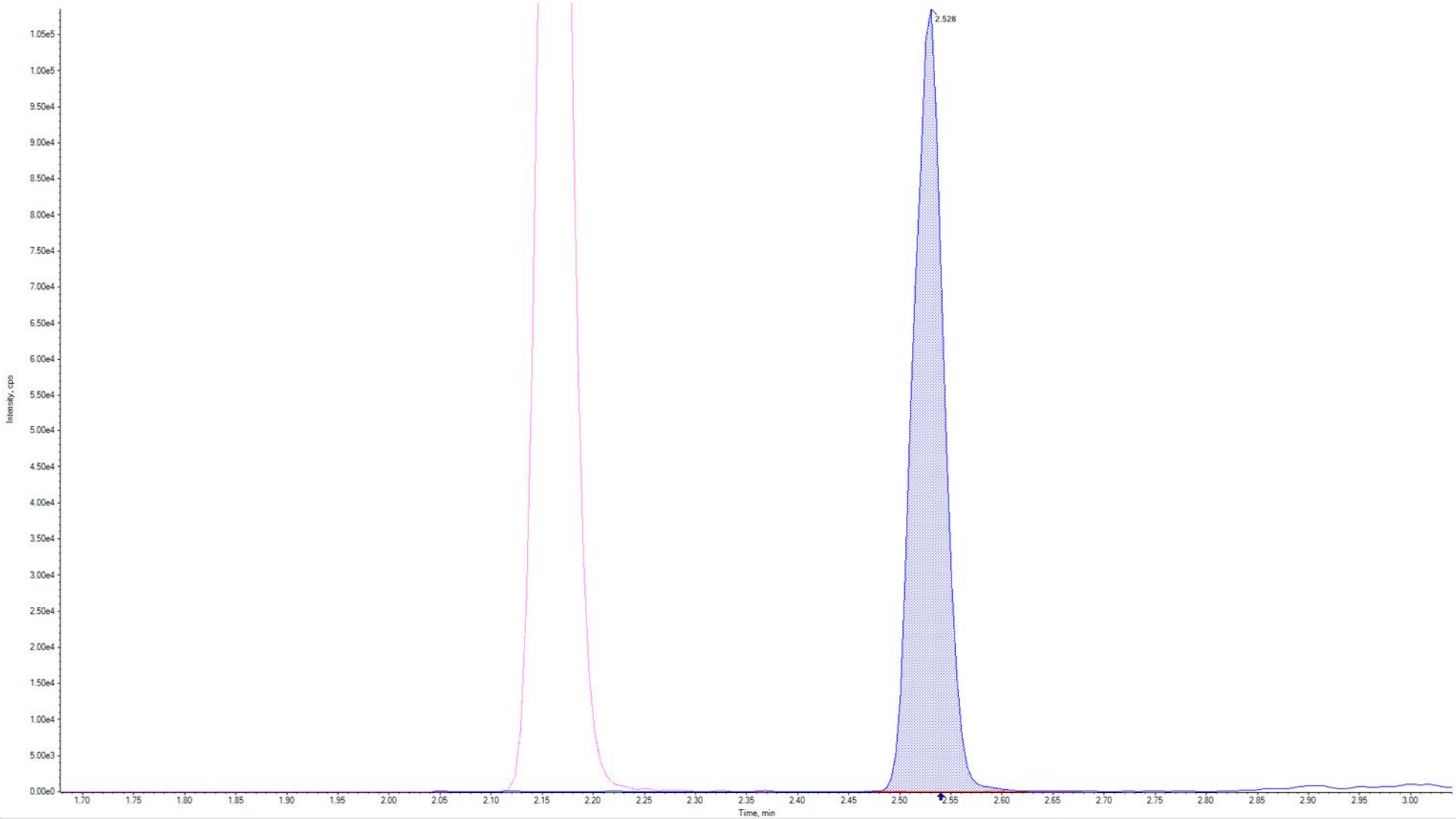
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFEESA
Sample: IA1633STD-2.5 S/N:34753.2 Points Across peak:42



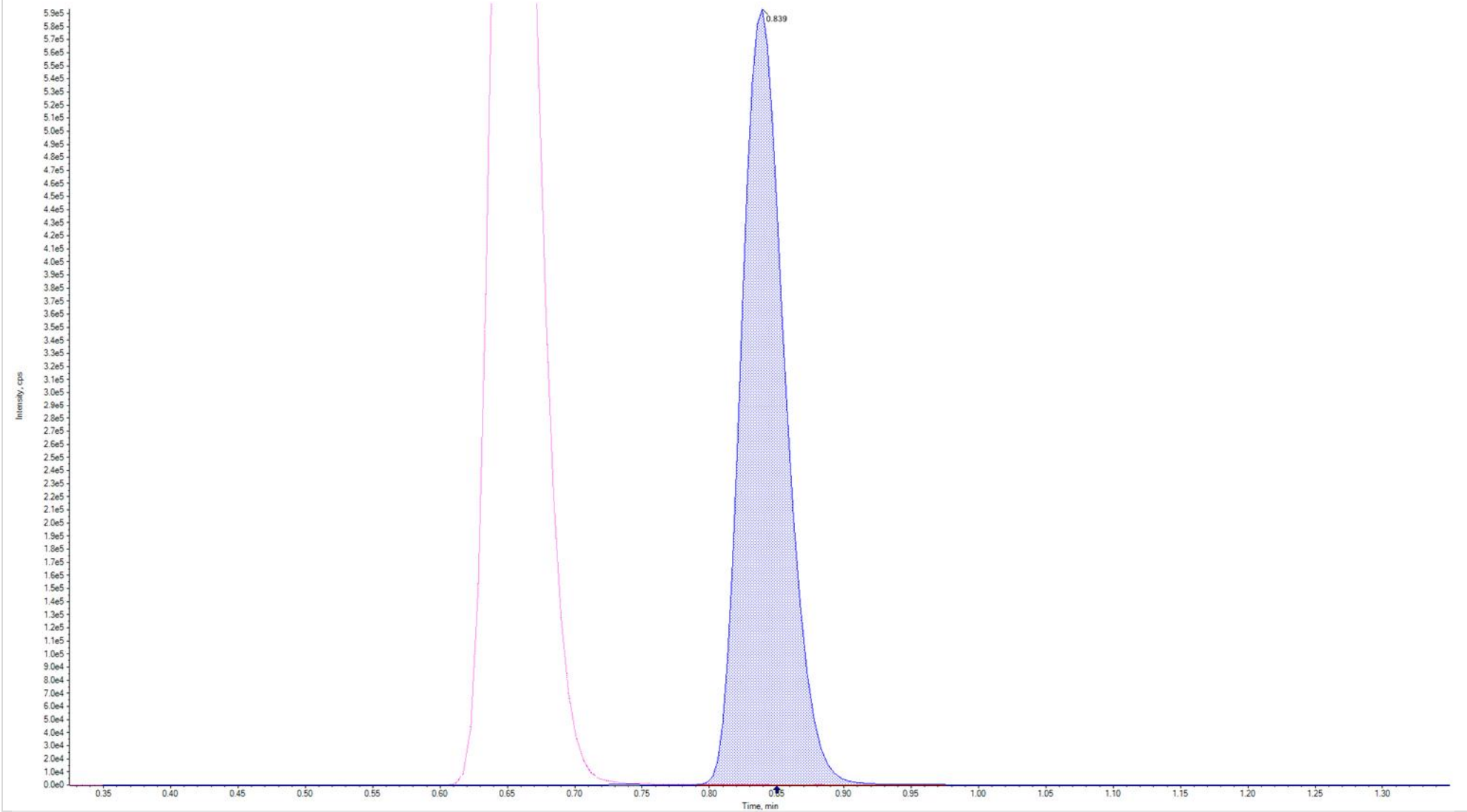
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFEESA_2
Sample: IA1633STD-2.5 S/N:1975.6 Points Across peak:35



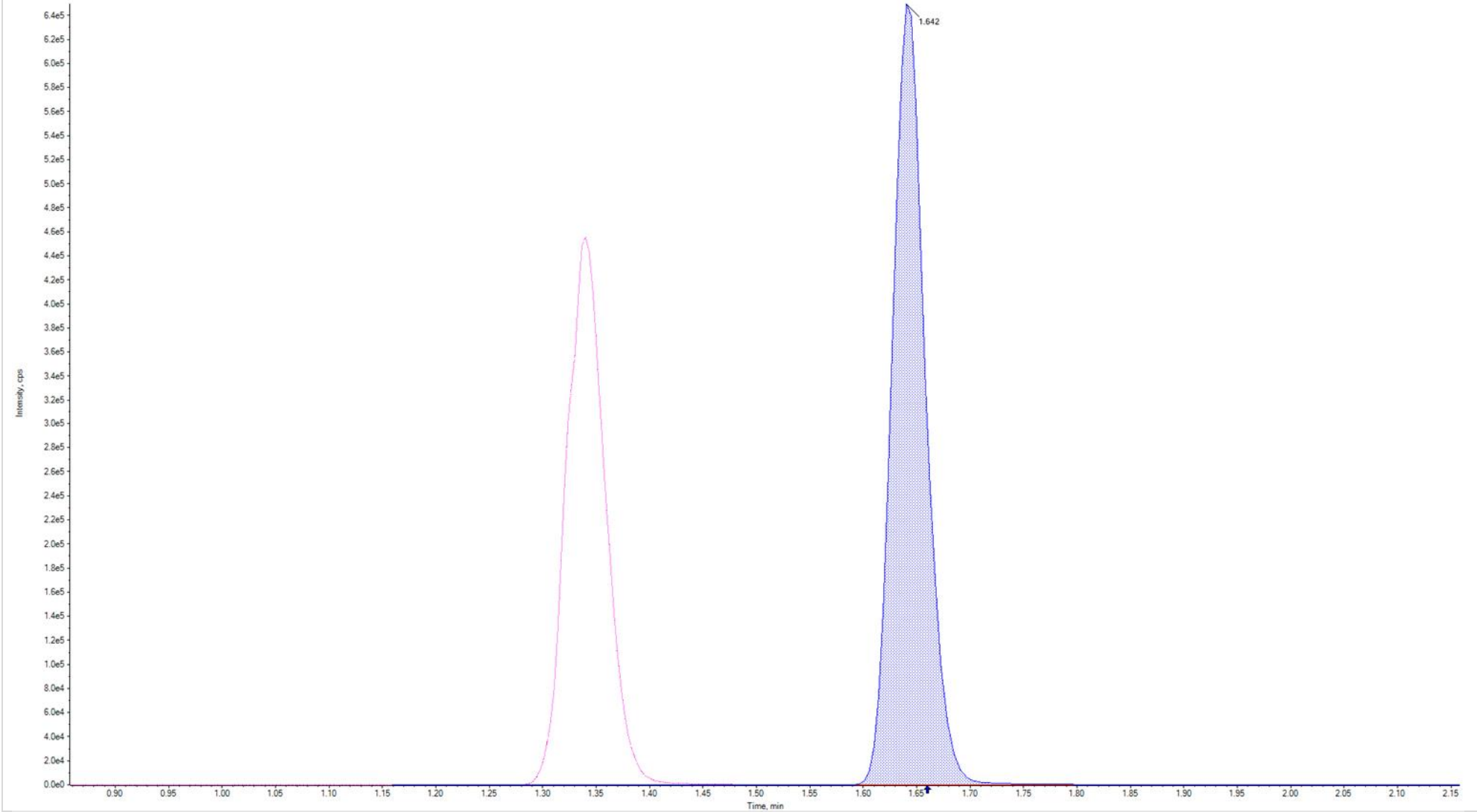
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFMPA
Sample: IA1633STD-2.5 S/N:13840.8 Points Across peak:52



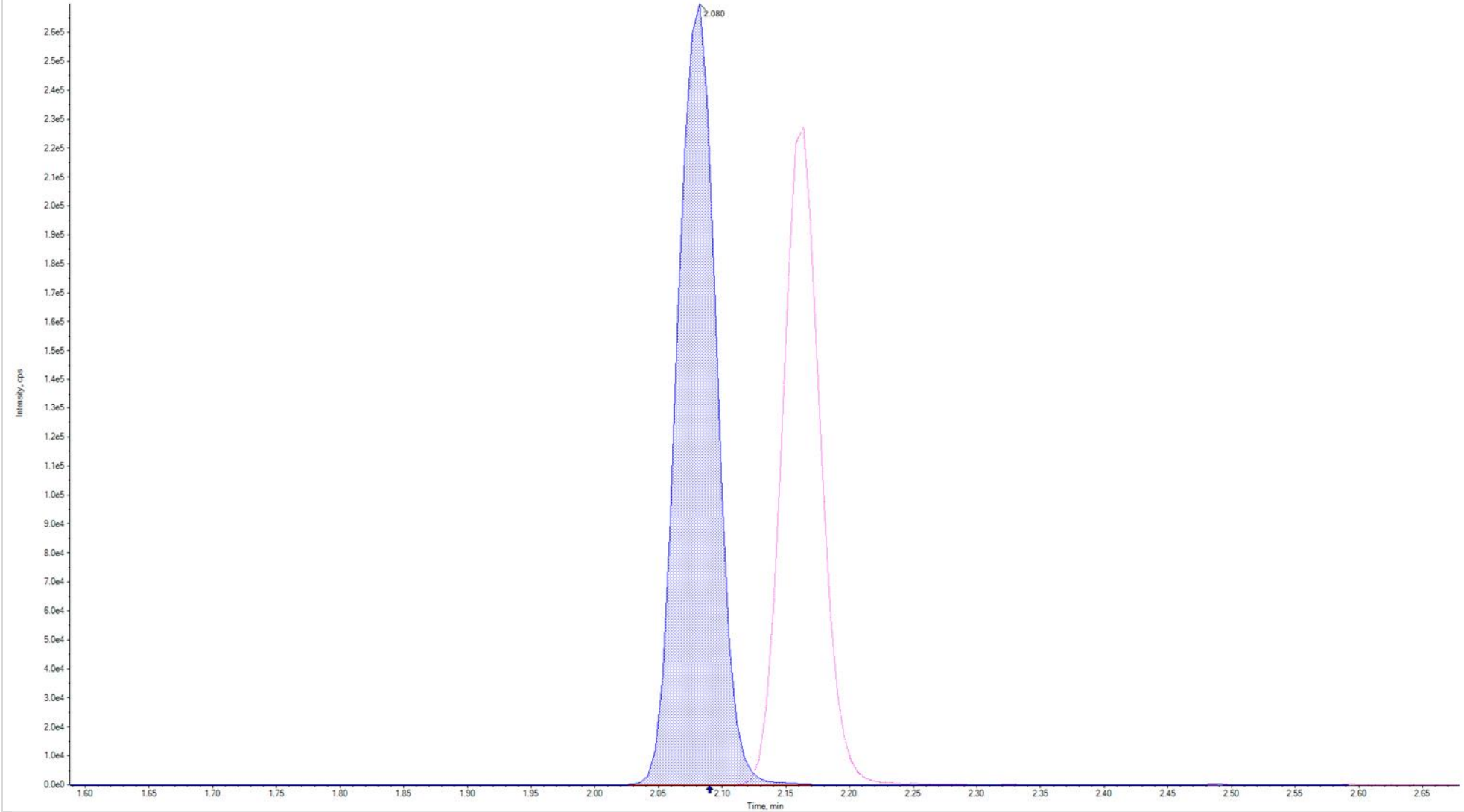
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFMBA
Sample: IA1633STD-2.5 S/N:37441.2 Points Across peak:45



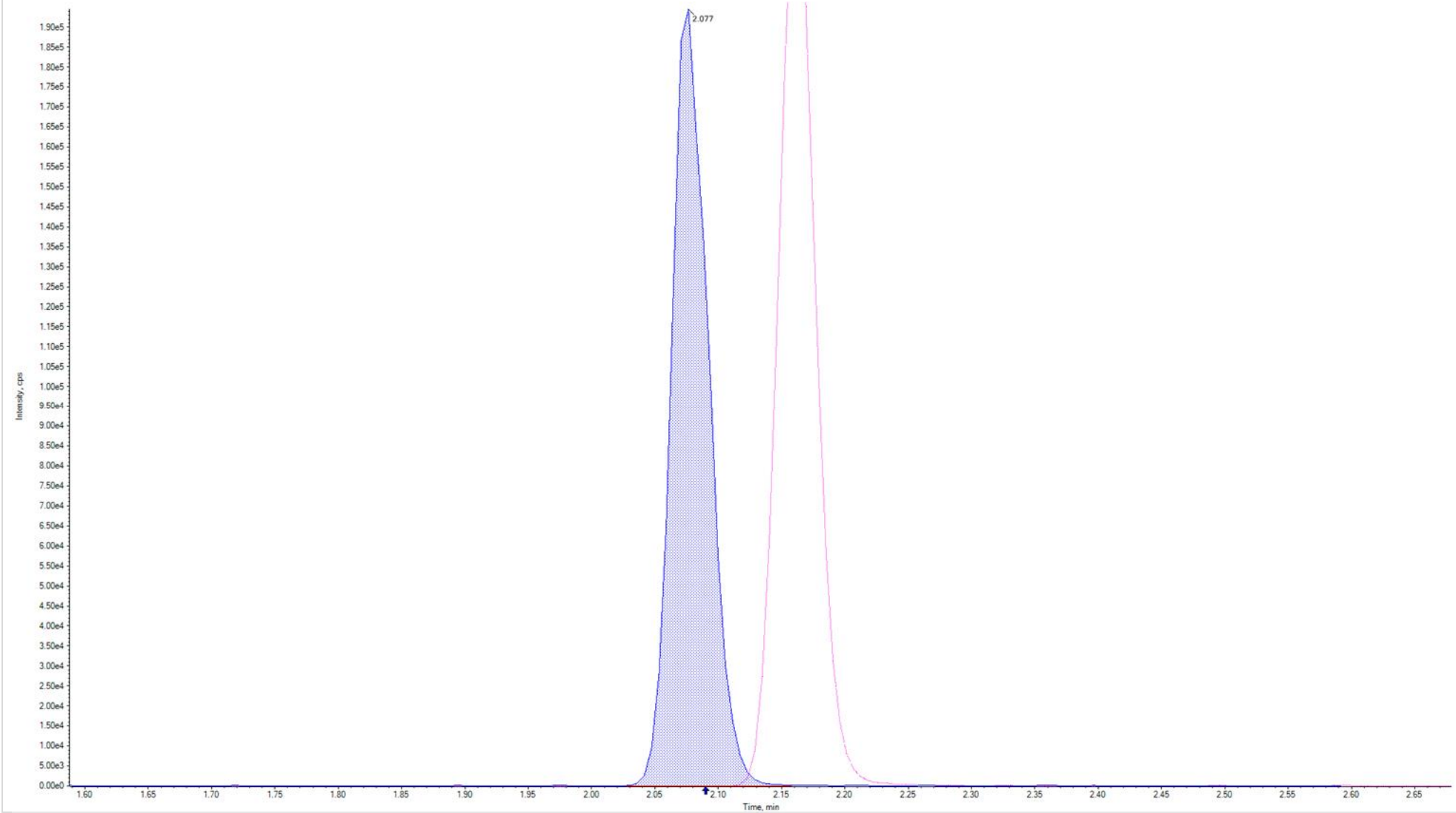
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NFDHA
Sample: IA1633STD-2.5 S/N:6980.9 Points Across peak:37

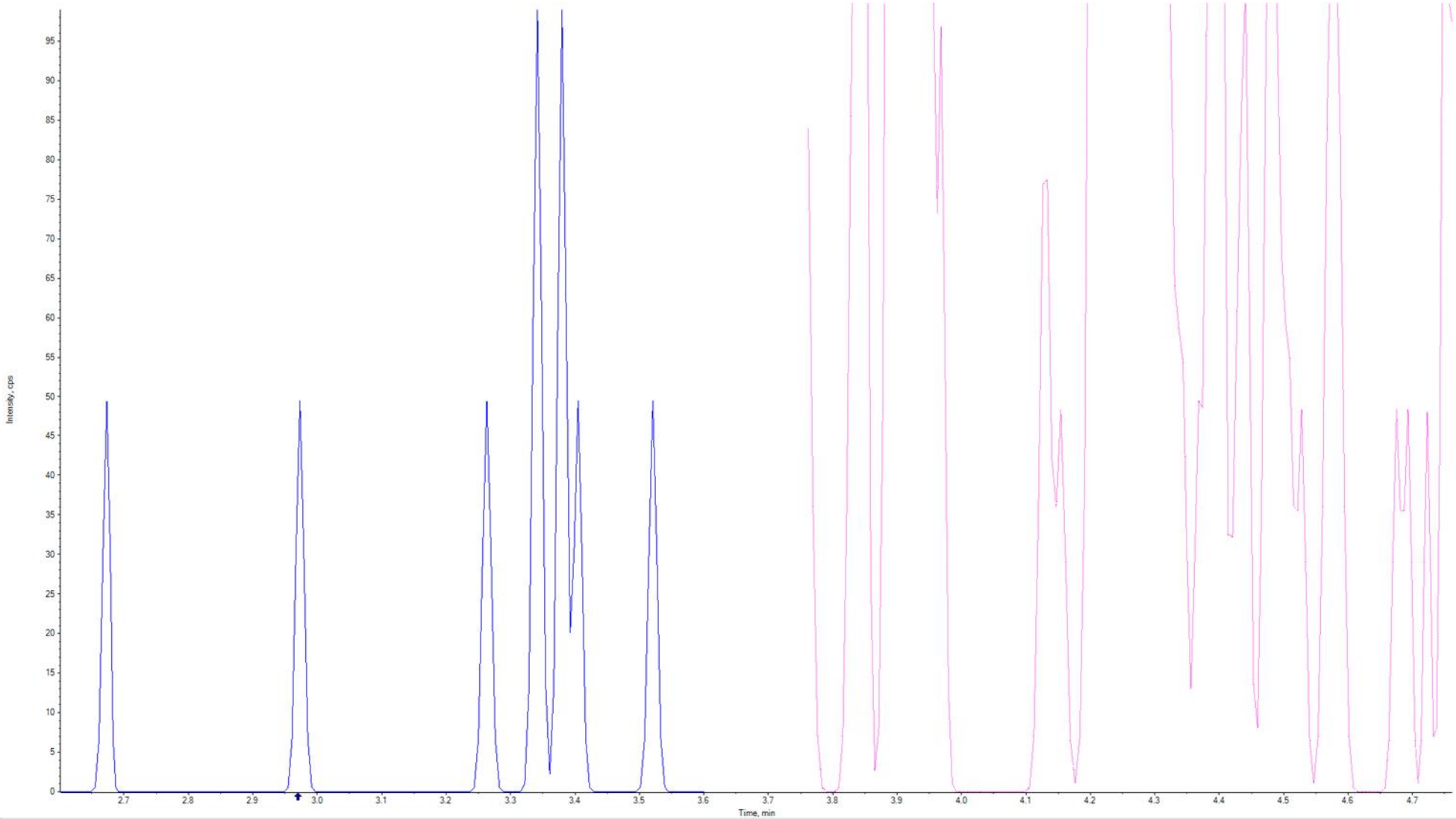


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NFDHA_2
Sample: IA1633STD-2.5 S/N:3187.9 Points Across peak:25

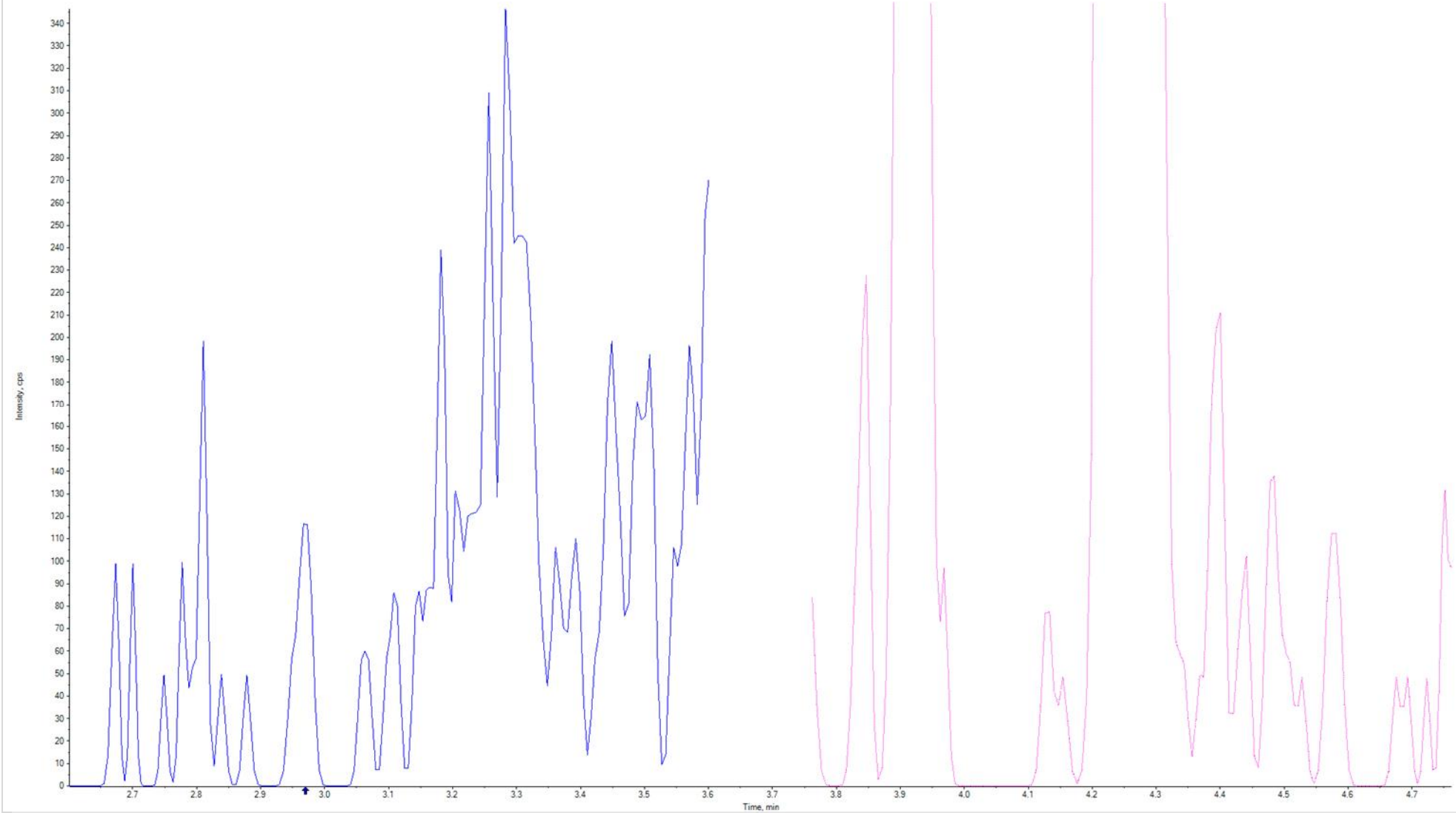


TDCA
Sample: IA1633STD-2.5 S/N:N/A Points Across peak:N/A

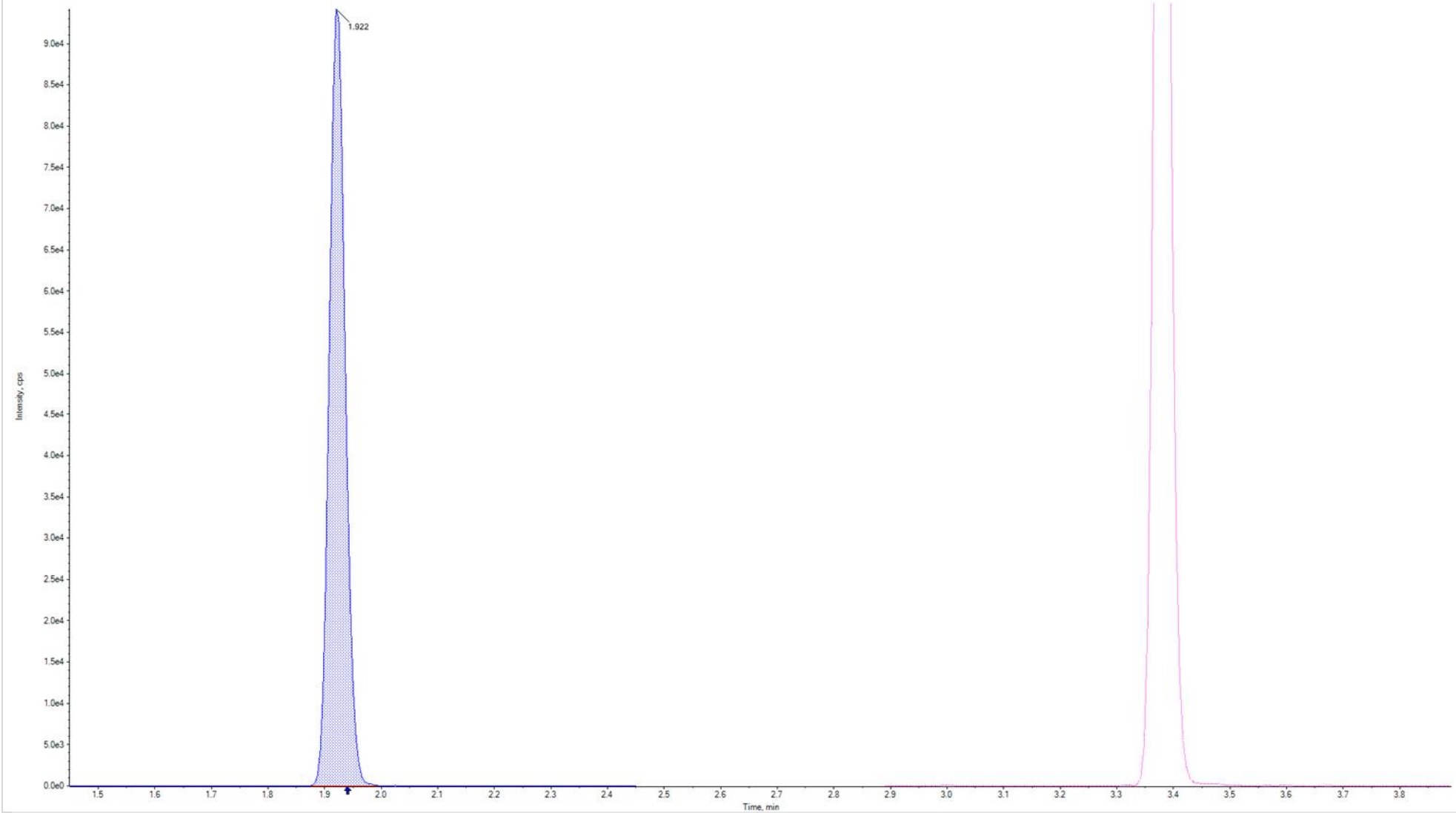


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

TDCA_2
Sample: IA1633STD-2.5 S/N:N/A Points Across peak:N/A

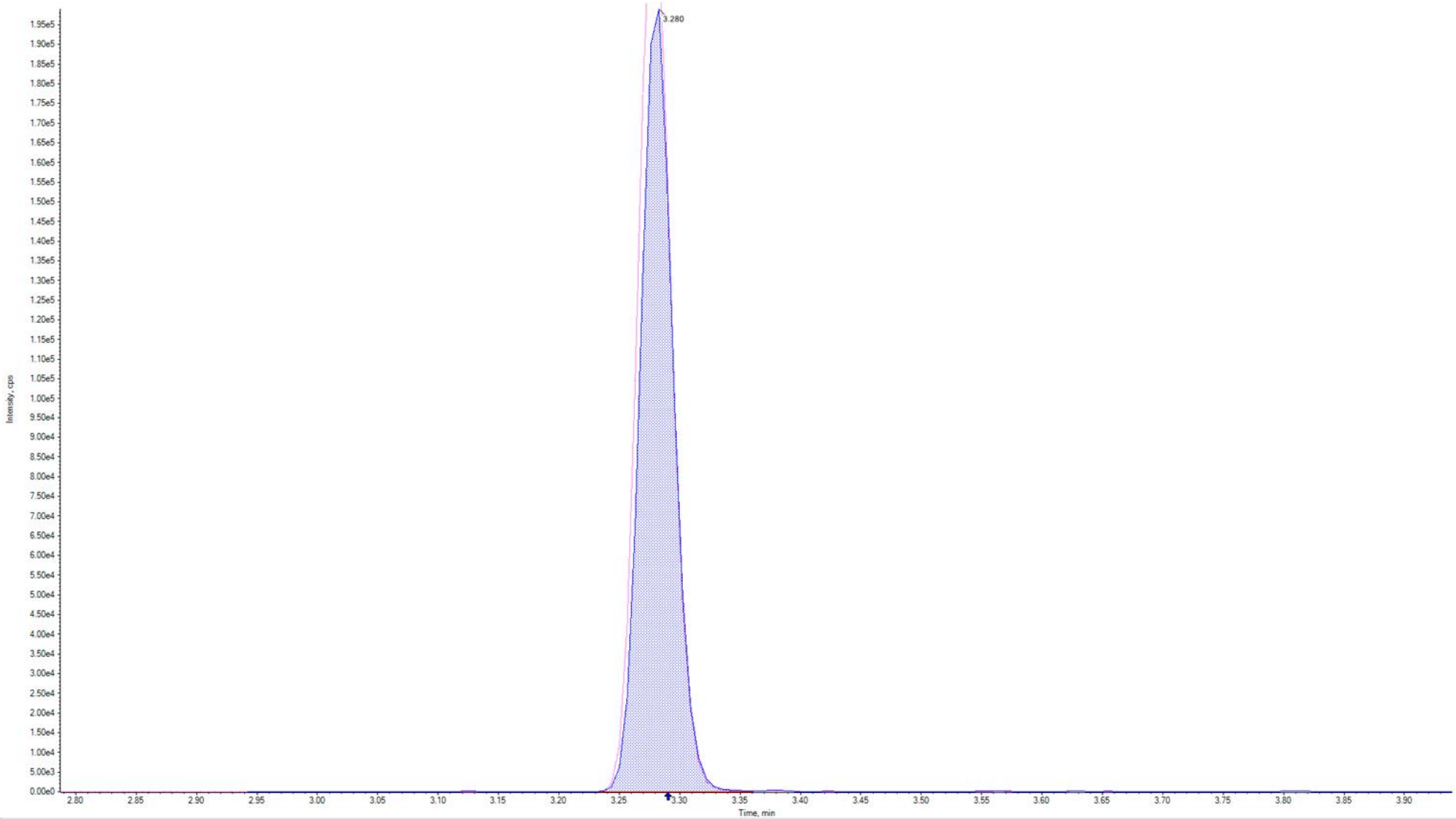


13C2D4-4:2FTS
Sample: IA1633STD-2.5 S/N:3541.1 Points Across peak:34

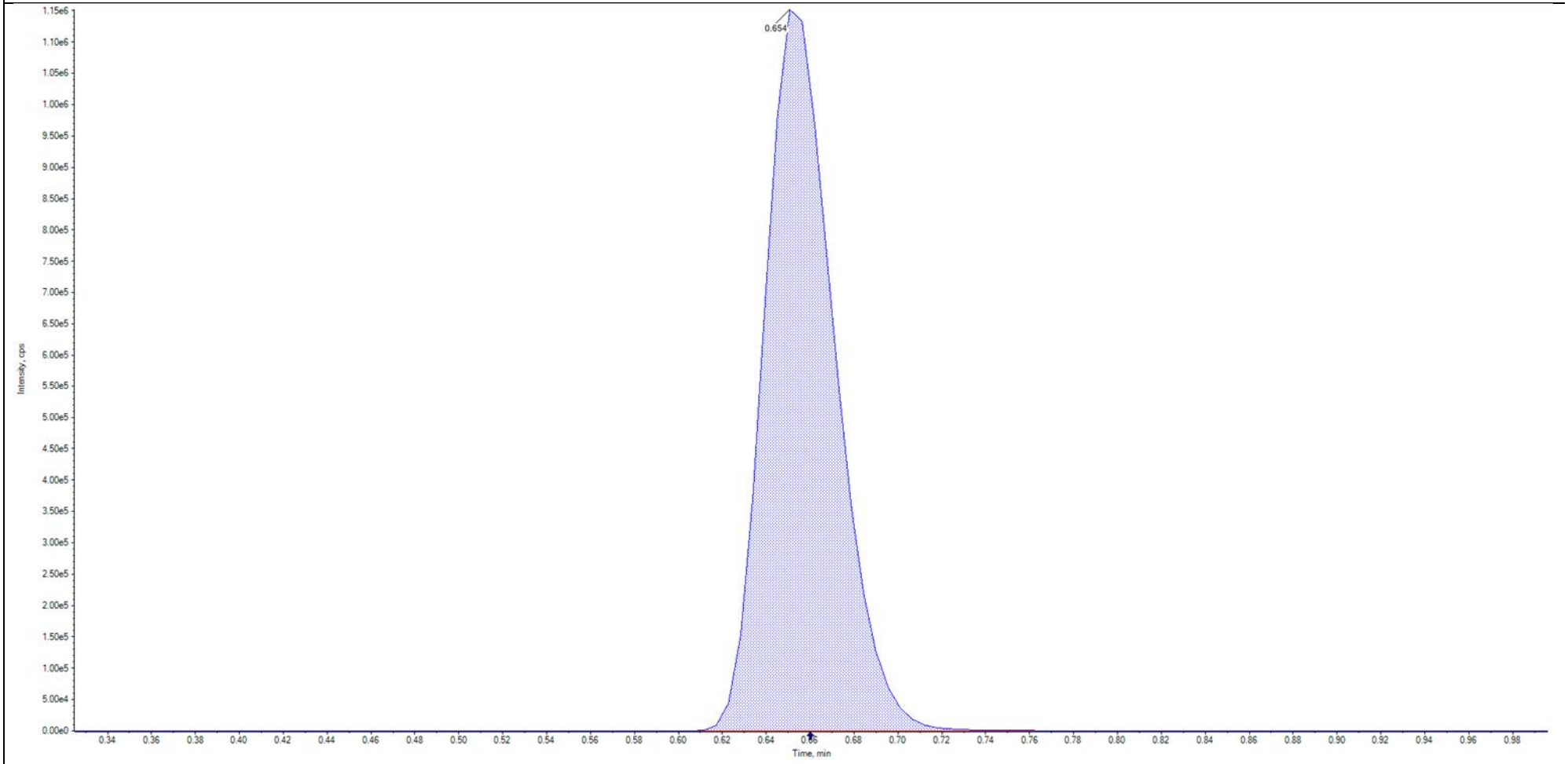


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_10.wiff2_3
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

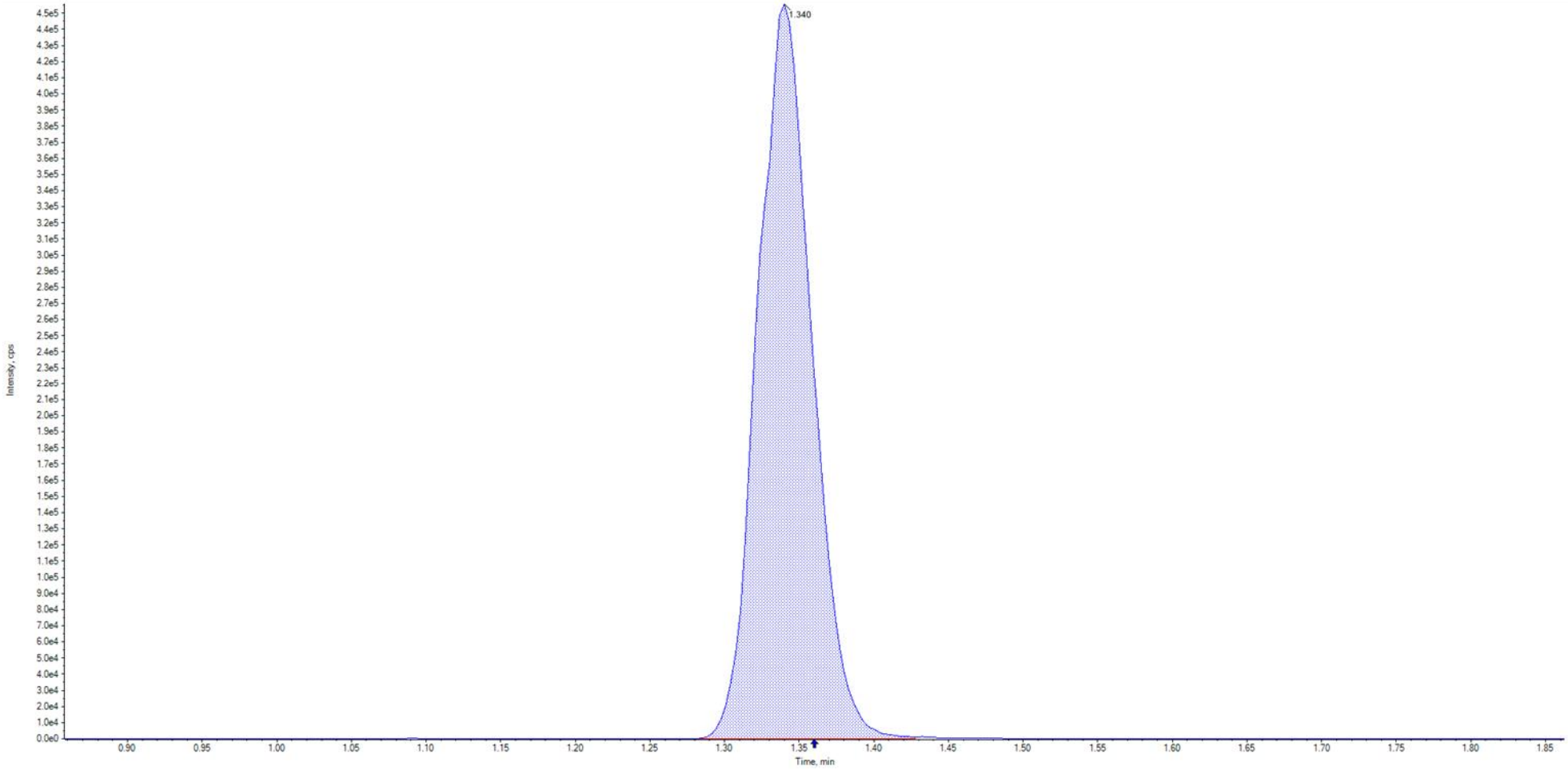
13C2-PFOA
Sample: IA1633STD-2.5 S/N:3954.1 Points Across peak:23



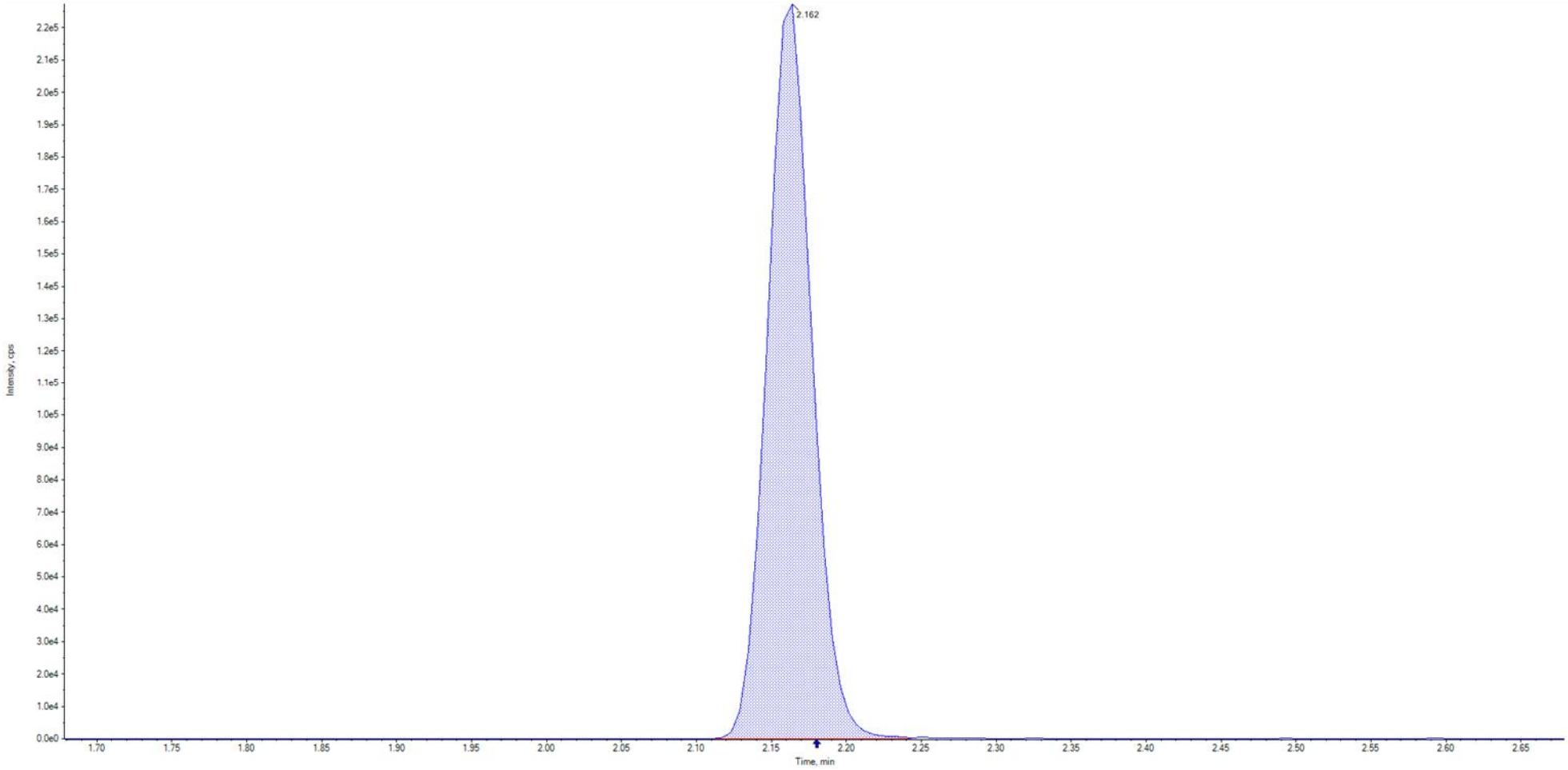
13C4-PFBA
Sample: IA1633STD-2.5



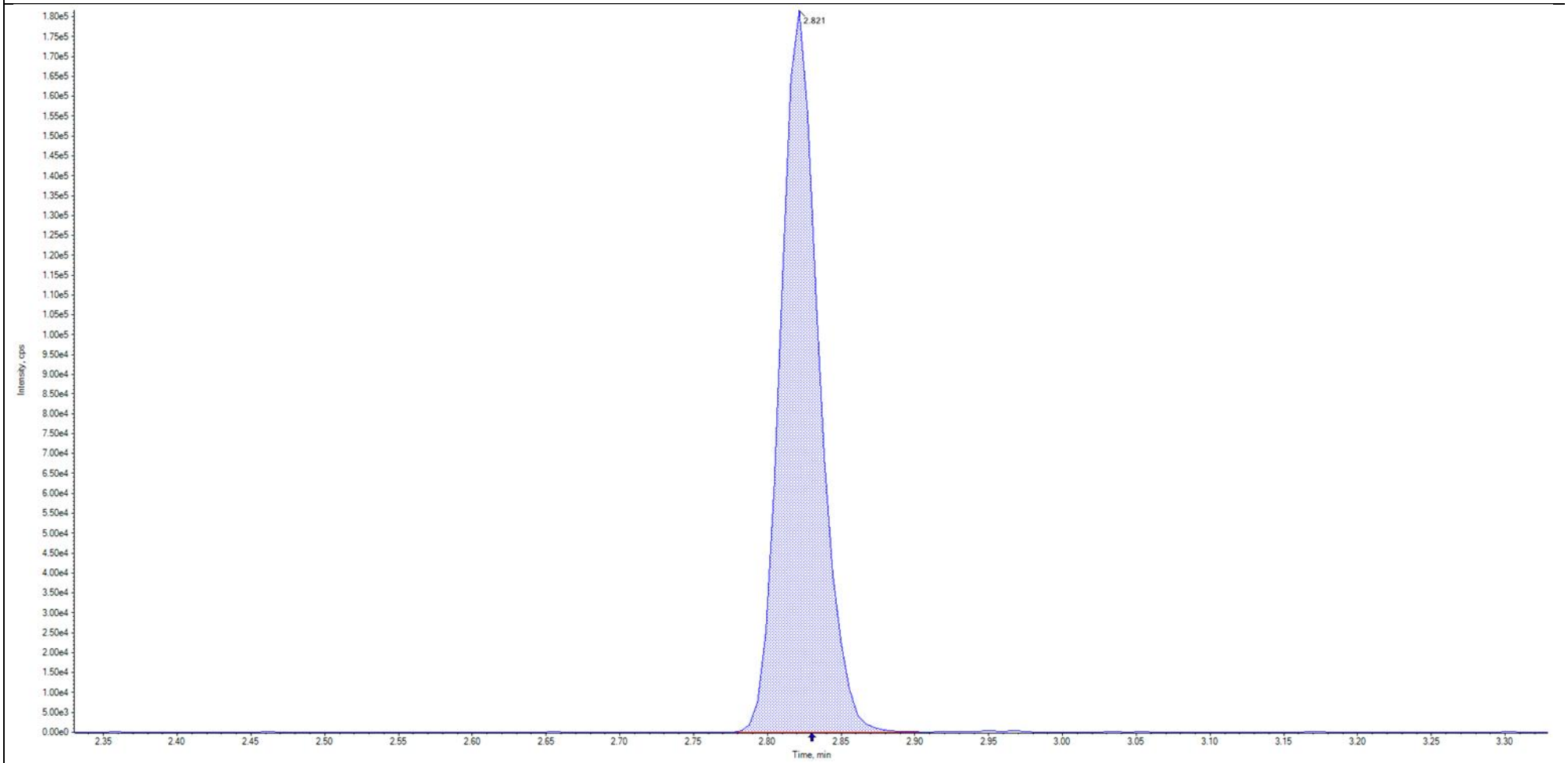
13C5-PFPeA
Sample: IA1633STD-2.5



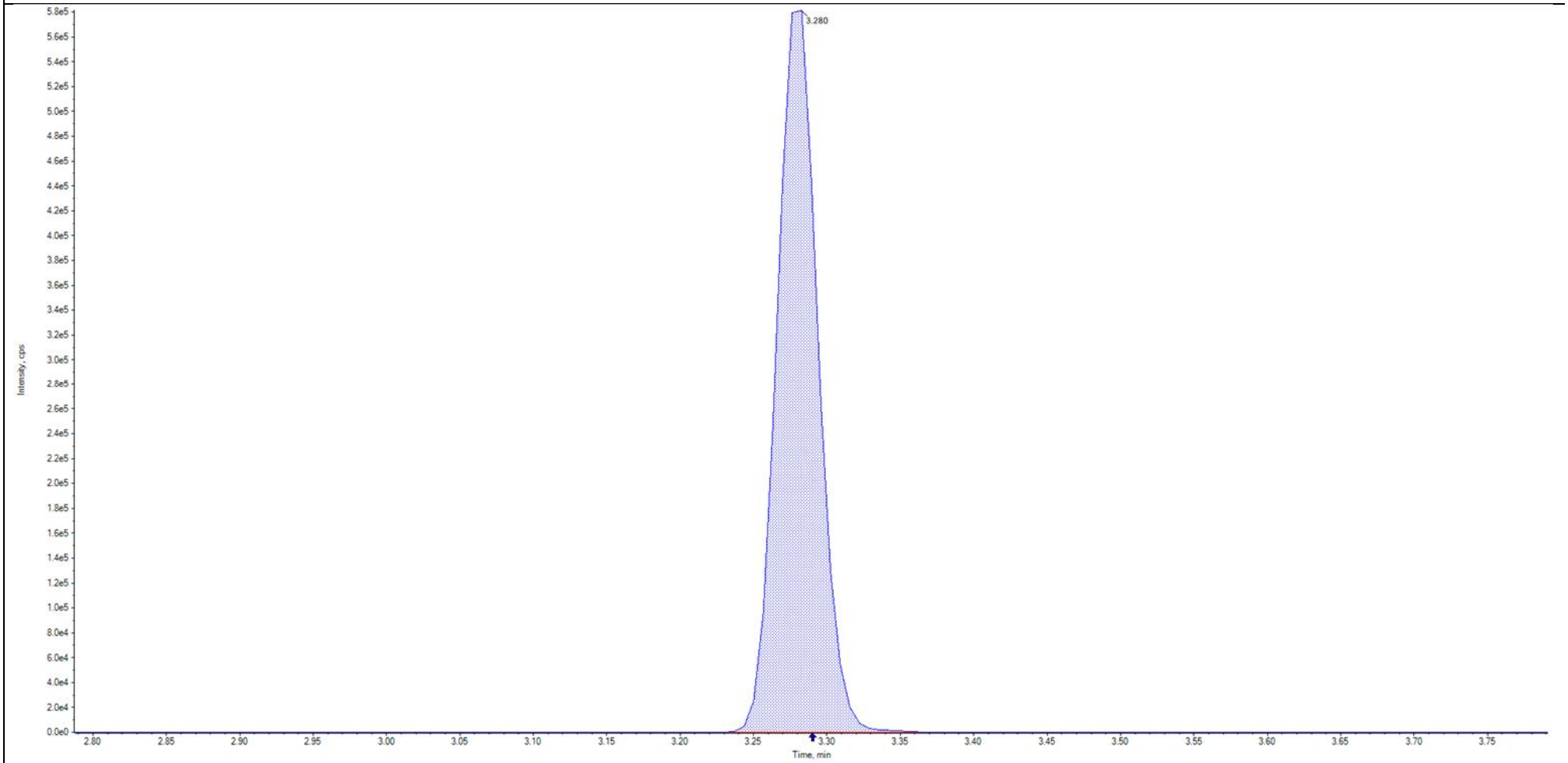
13C5-PFHxA
Sample: IA1633STD-2.5



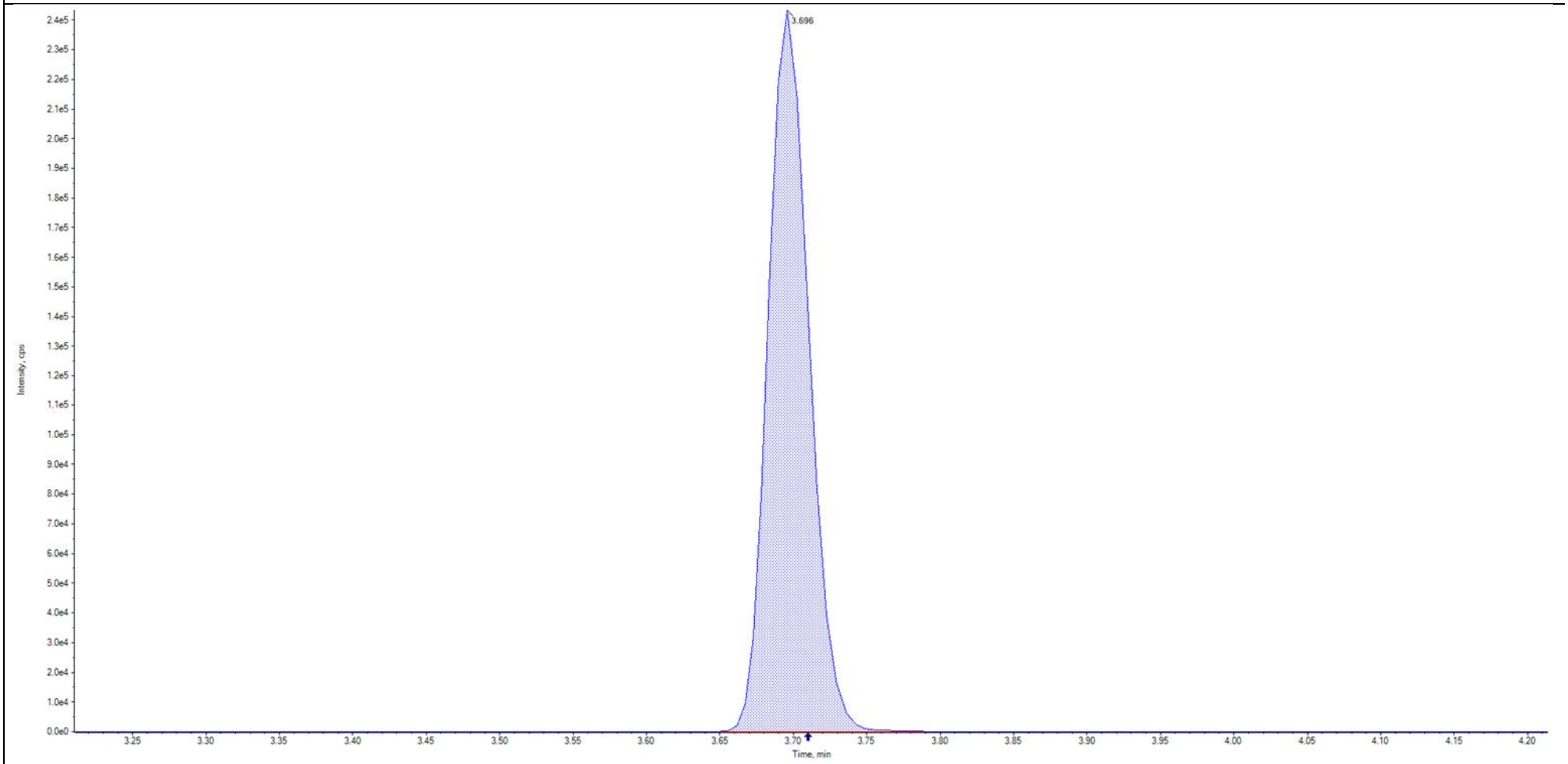
13C4-PFHpA
Sample: IA1633STD-2.5



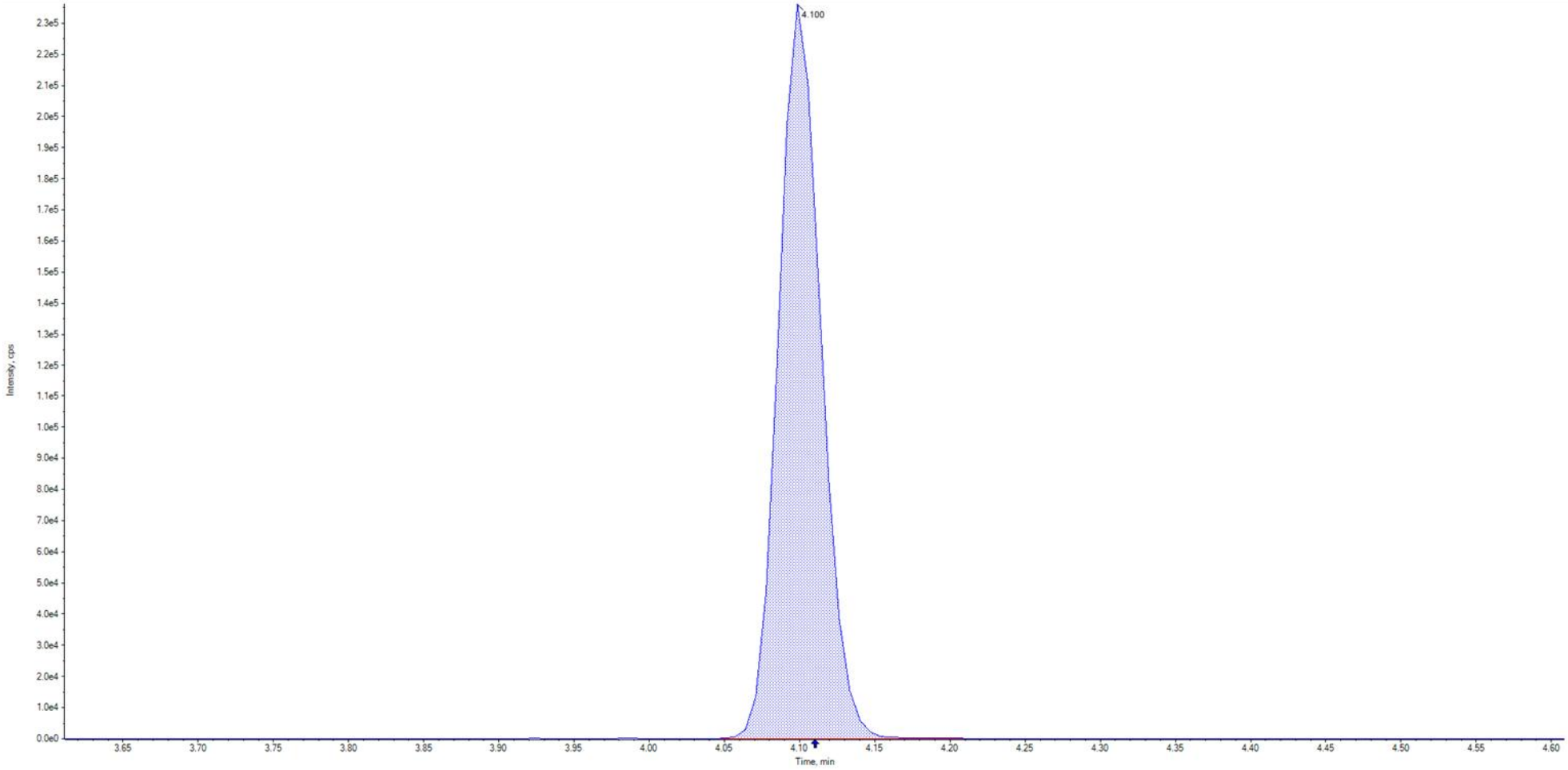
13C8-PFOA
Sample: IA1633STD-2.5



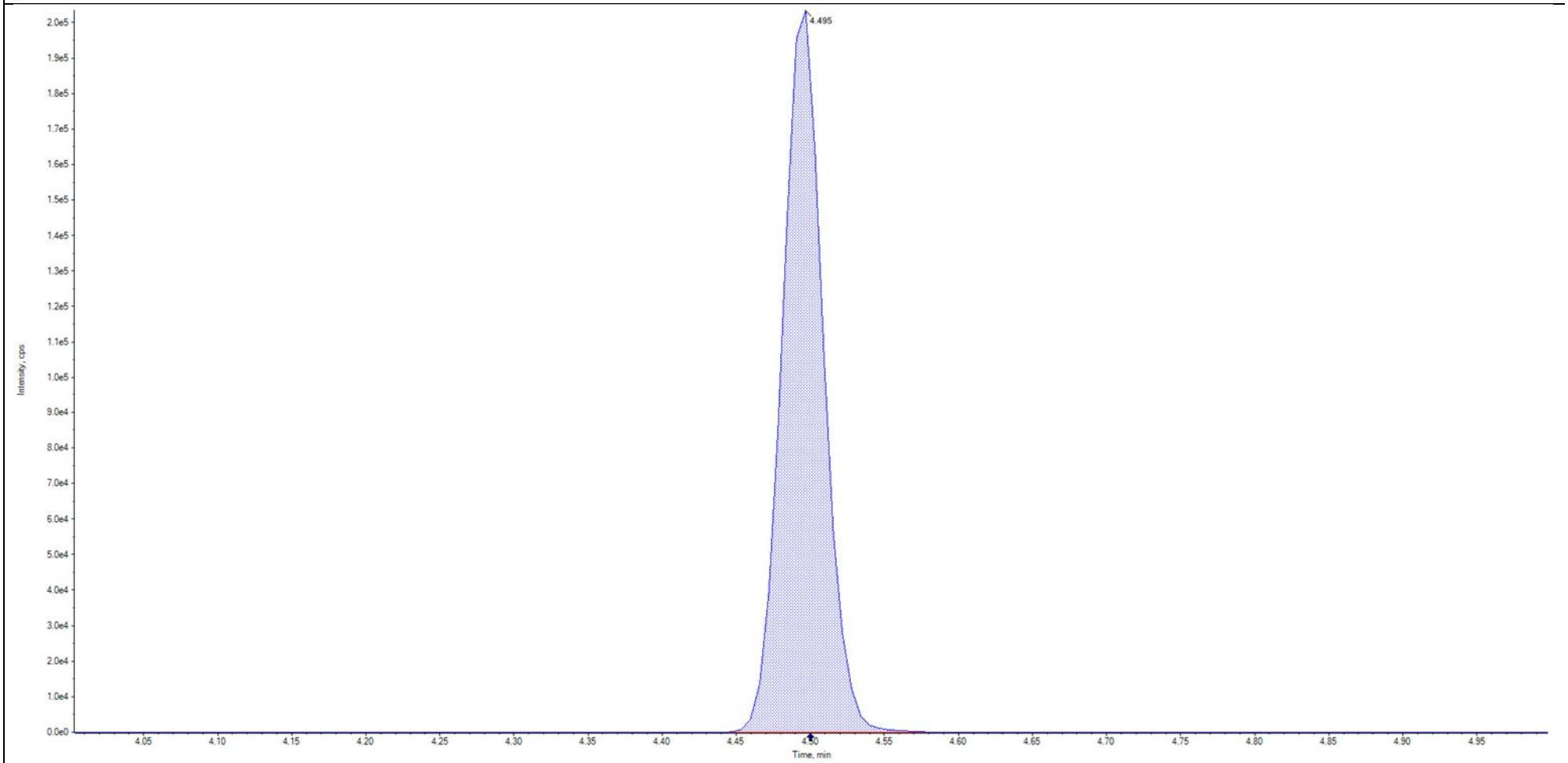
13C9-PFNA
Sample: IA1633STD-2.5



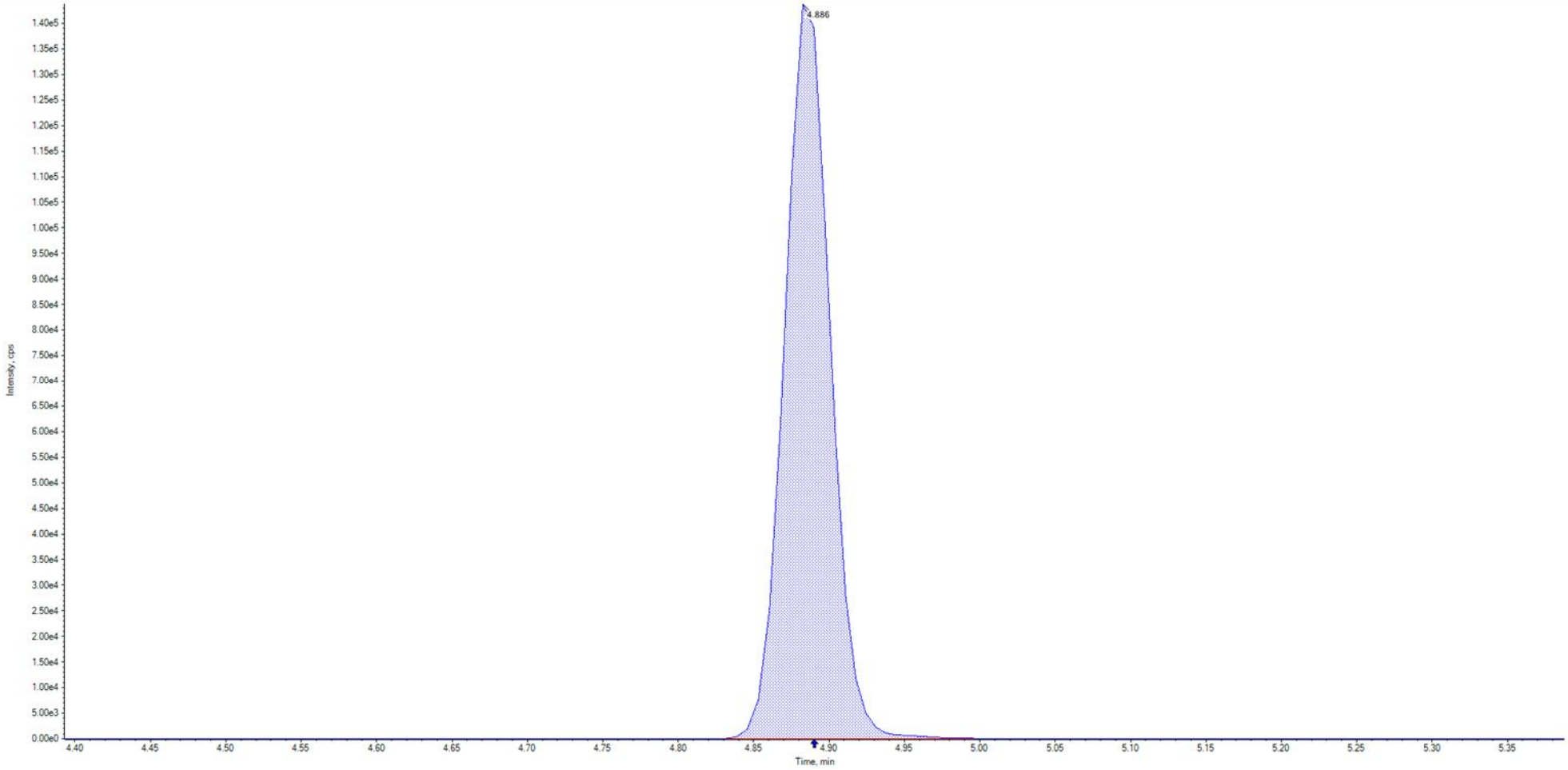
13C6-PFDA
Sample: IA1633STD-2.5



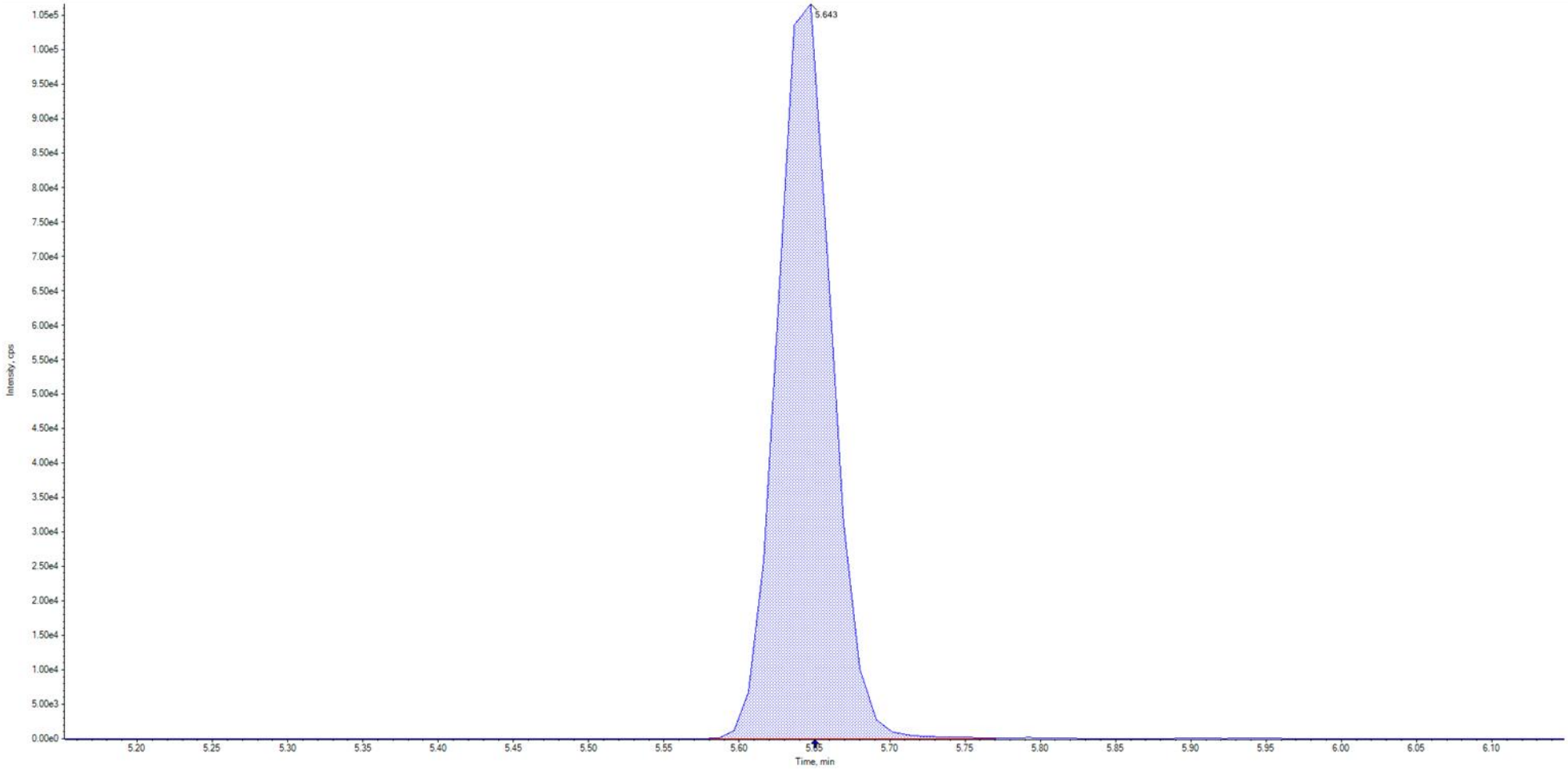
13C7-PFUnA
Sample: IA1633STD-2.5



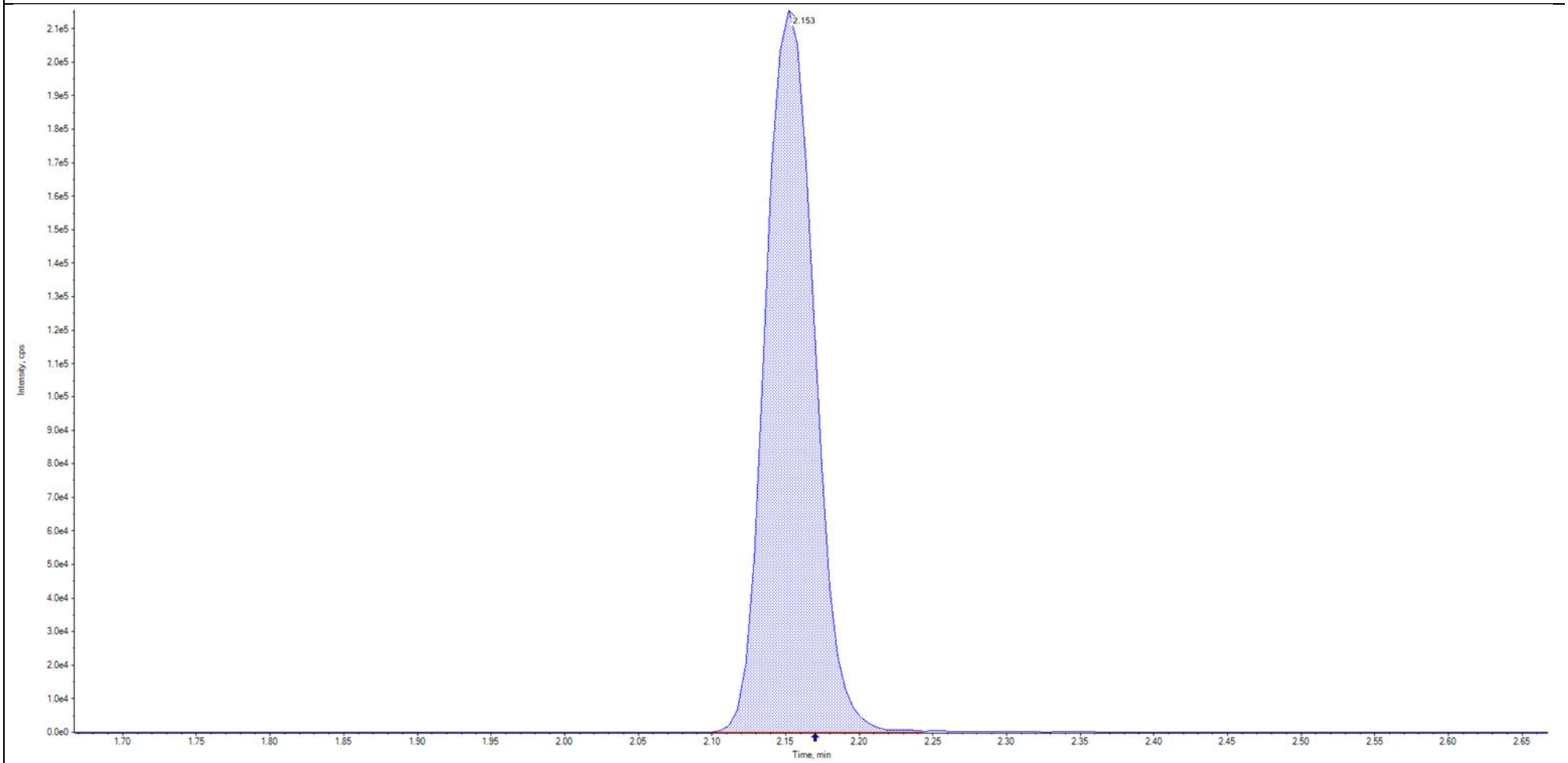
13C2-PFDoA
Sample: IA1633STD-2.5



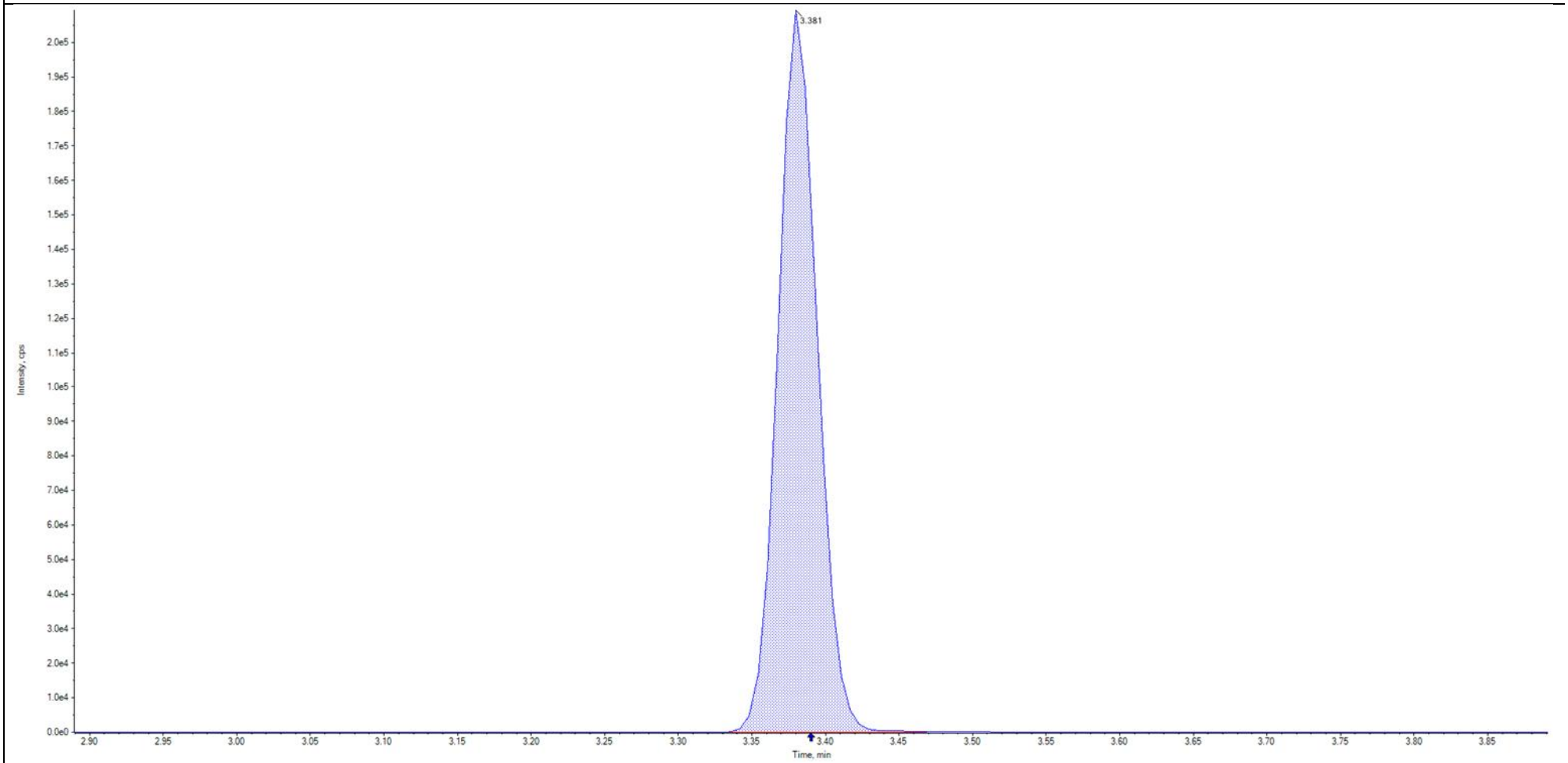
13C2-PFTeDA
Sample: IA1633STD-2.5



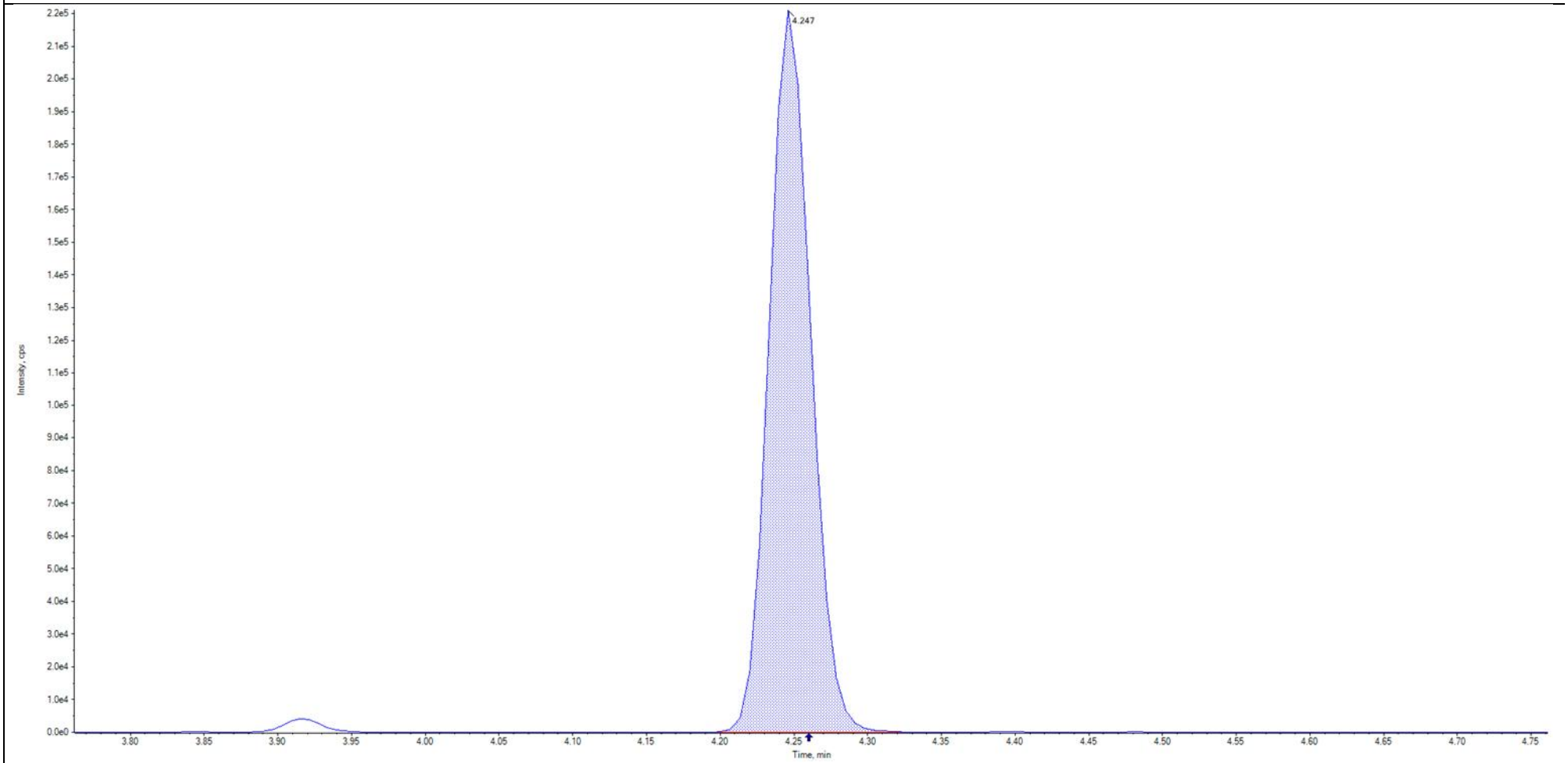
13C3-PFBS
Sample: IA1633STD-2.5



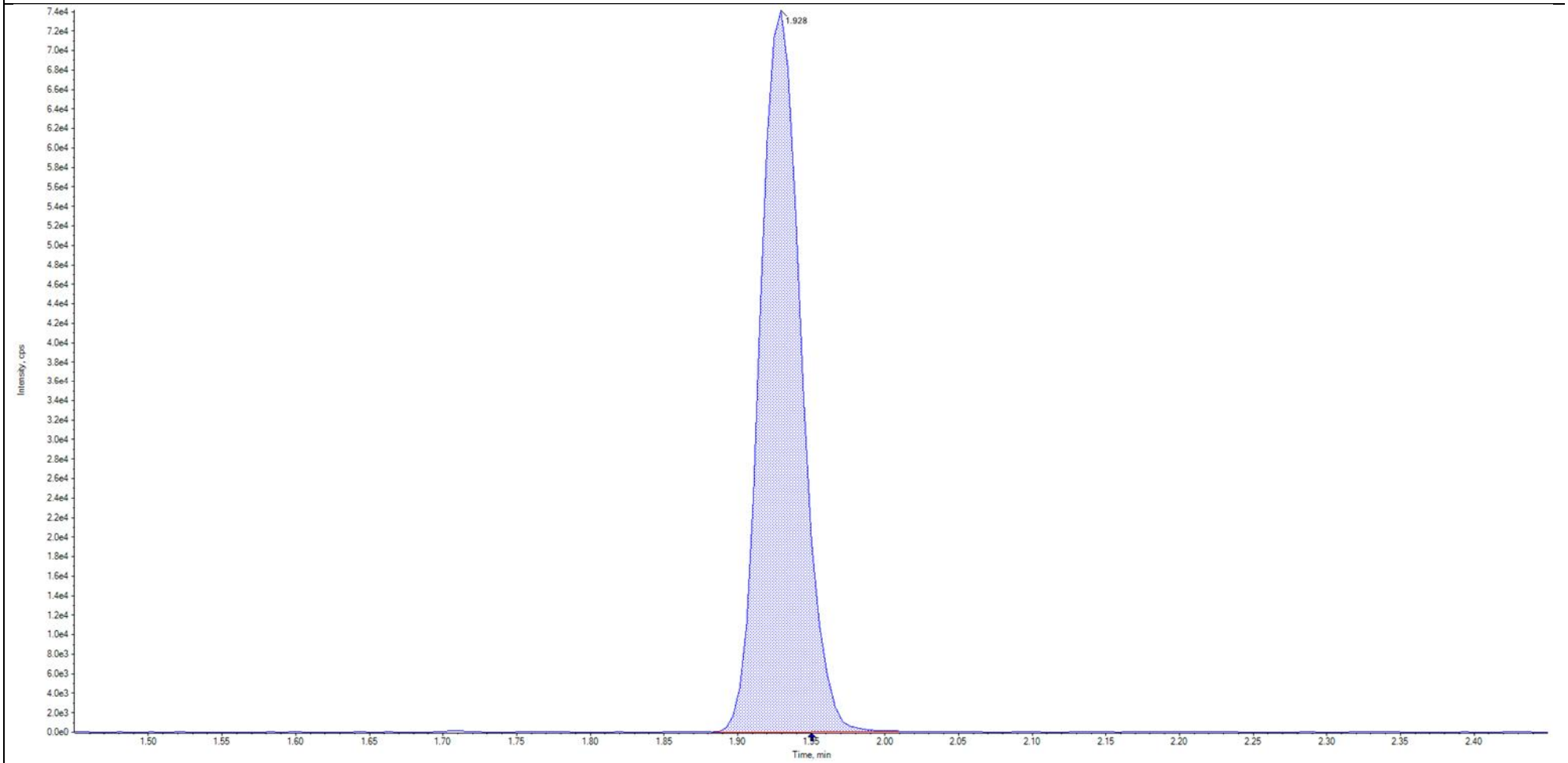
13C3-PFHxS
Sample: IA1633STD-2.5



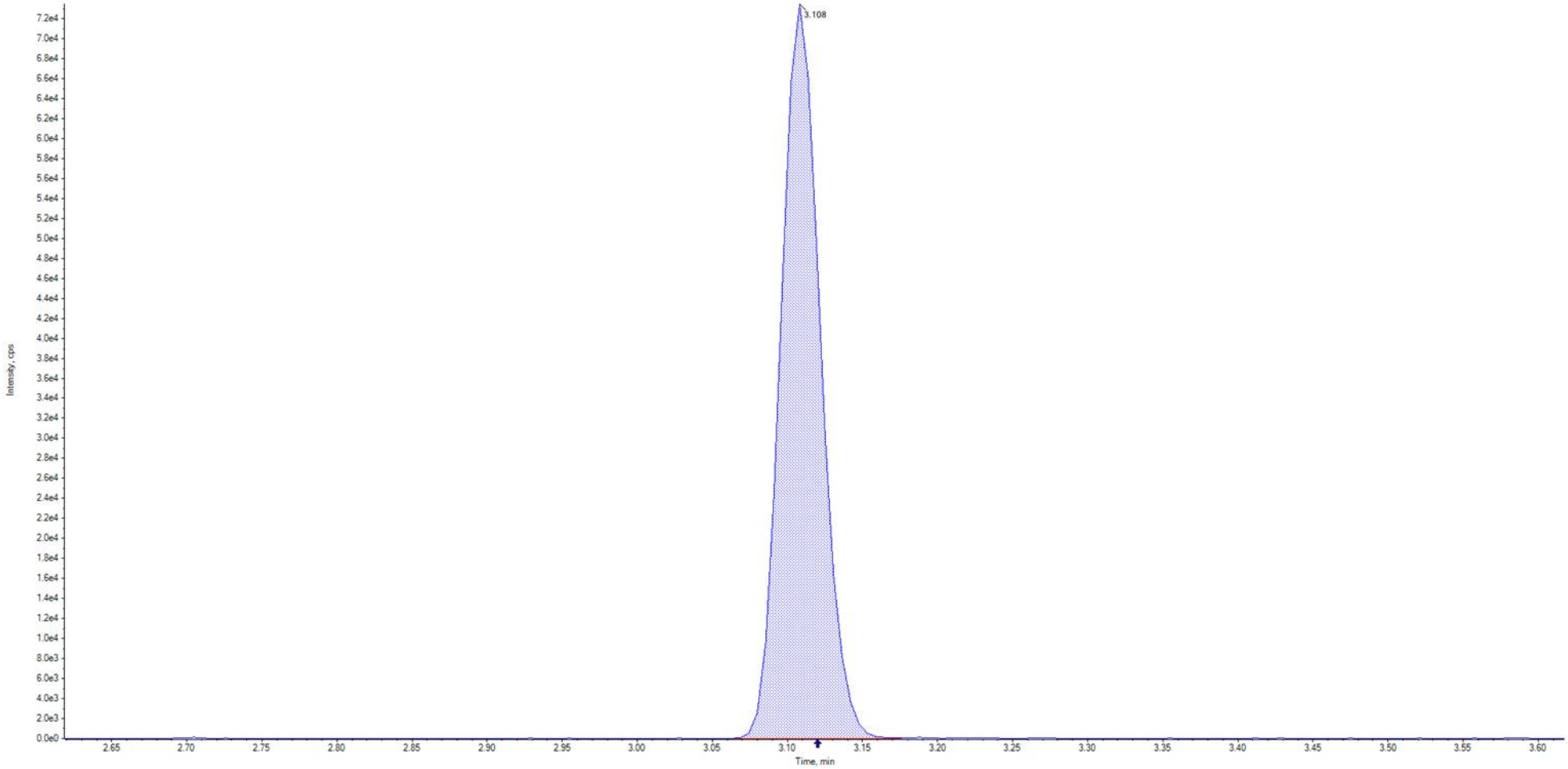
13C8-PFOS
Sample: IA1633STD-2.5



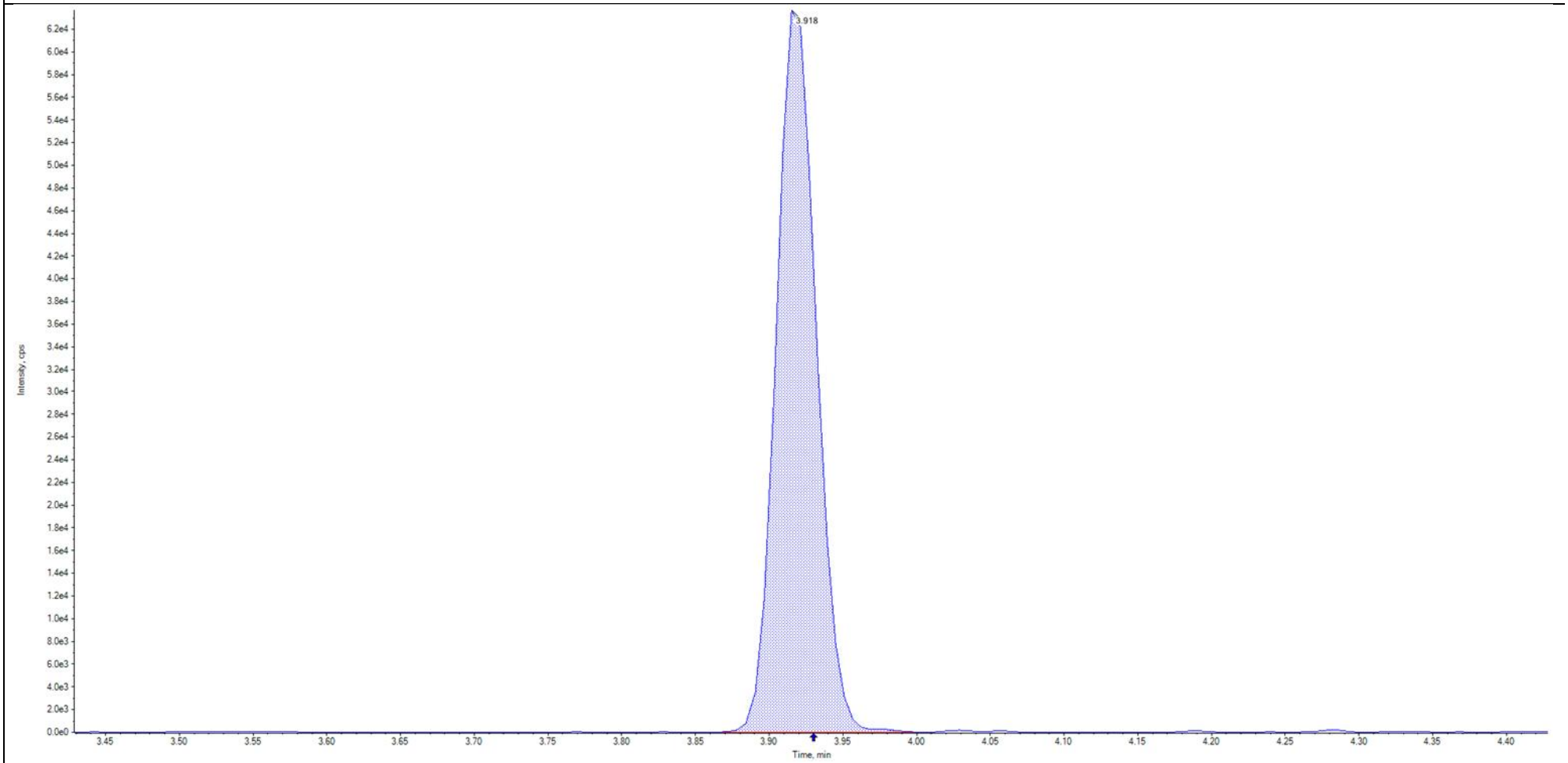
13C2-4:2FTS
Sample: IA1633STD-2.5



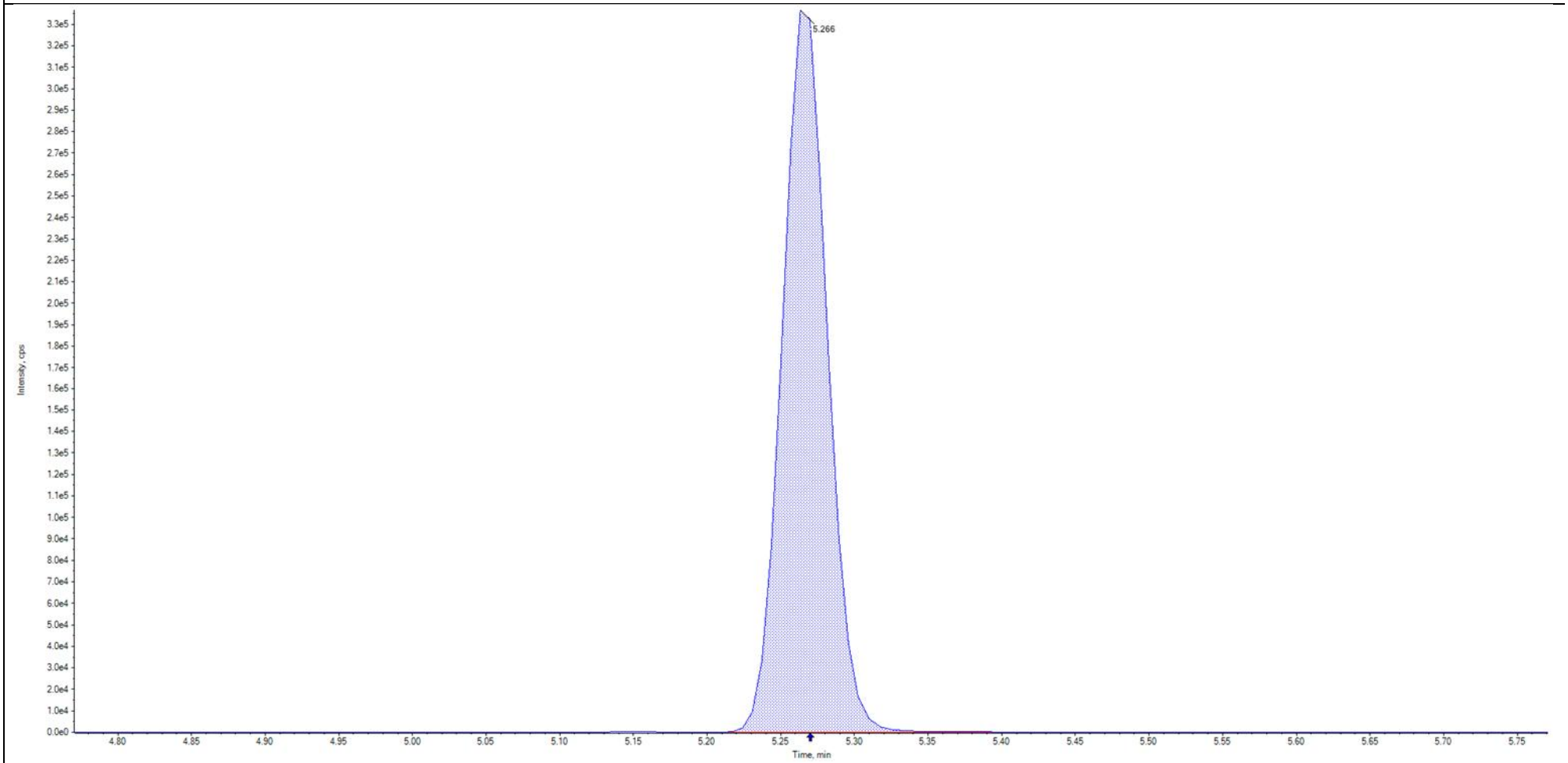
13C2-6:2FTS
Sample: IA1633STD-2.5



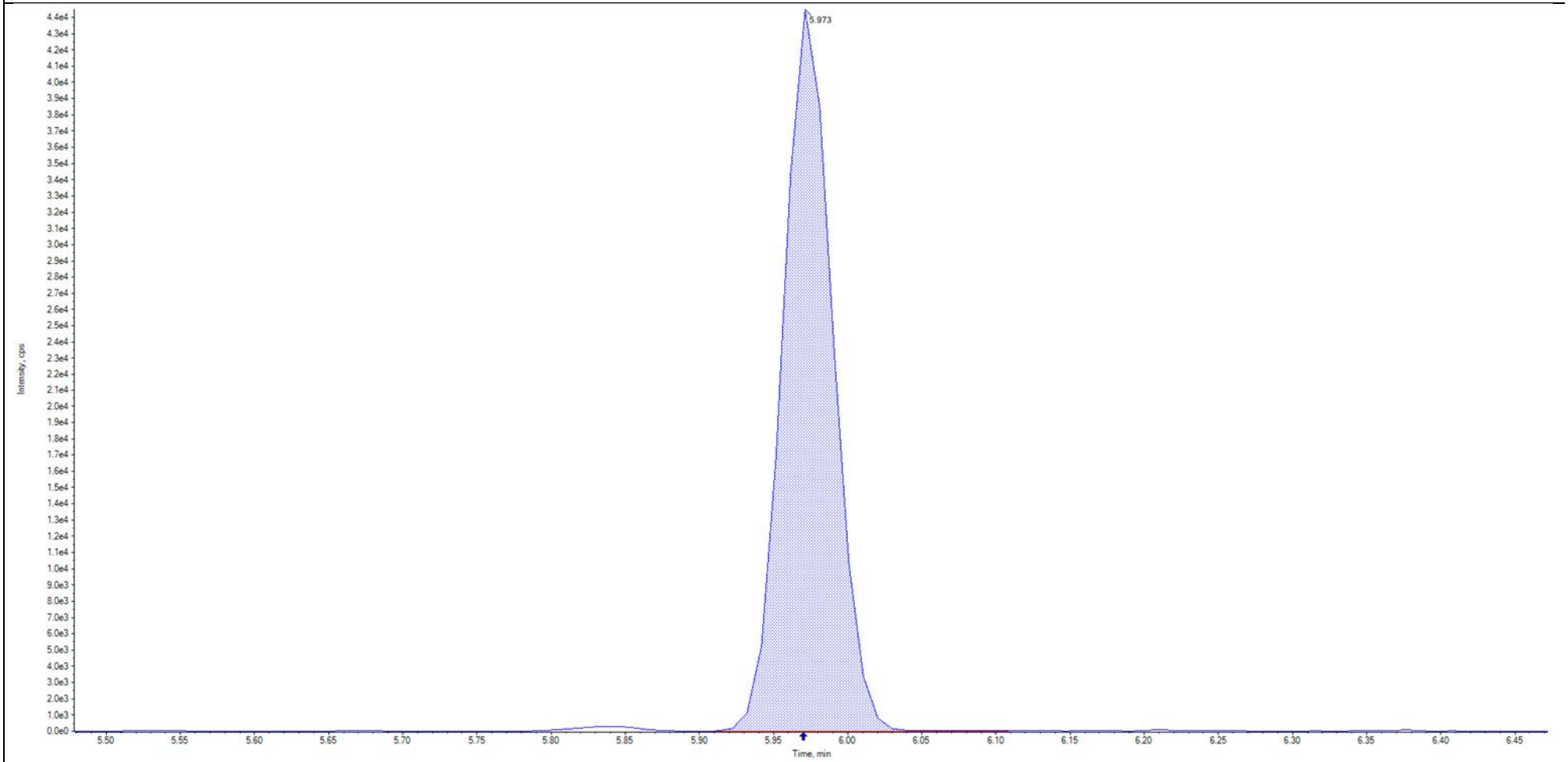
13C2-8:2FTS
Sample: IA1633STD-2.5



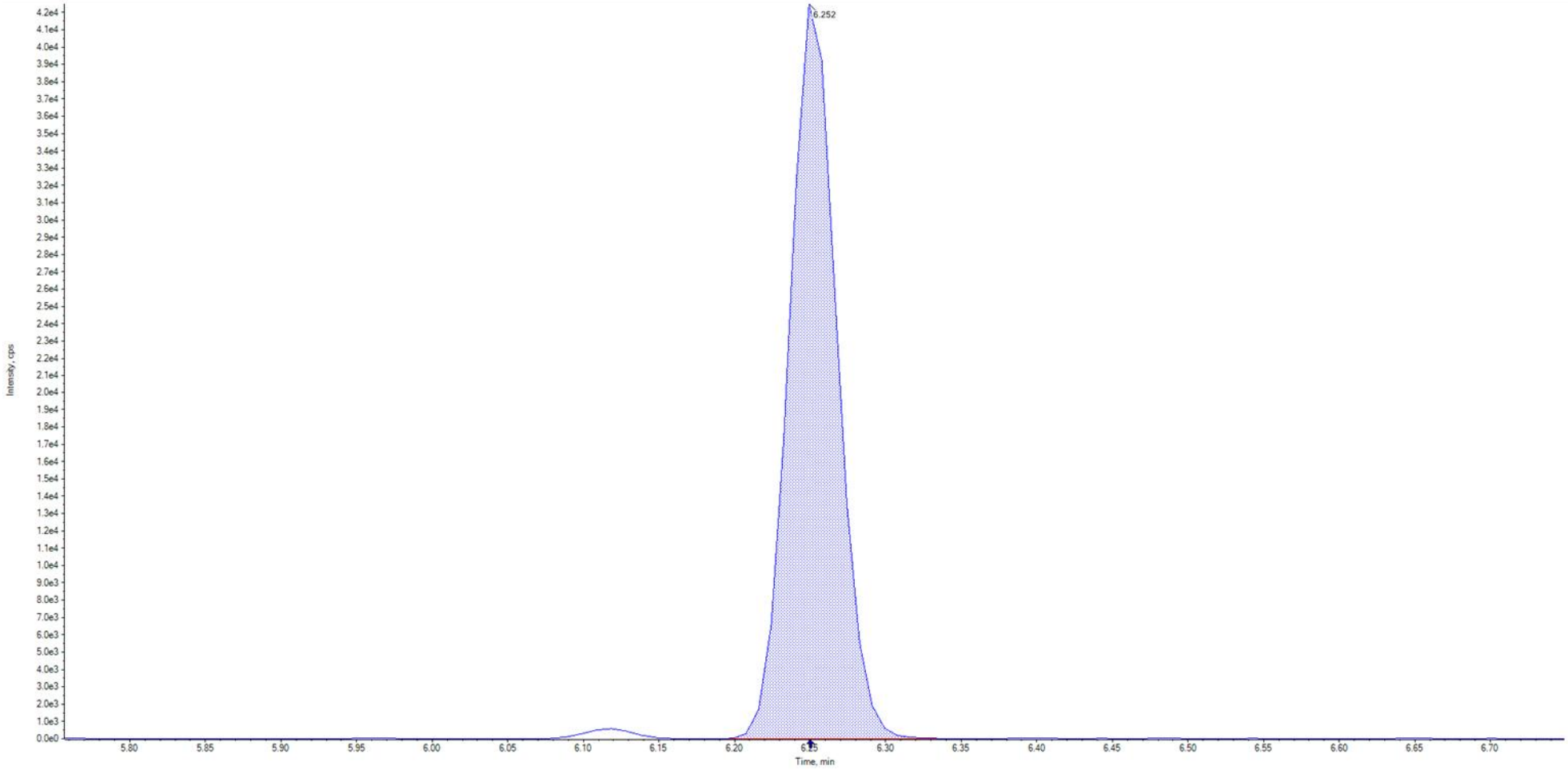
13C8-PFOSA
Sample: IA1633STD-2.5



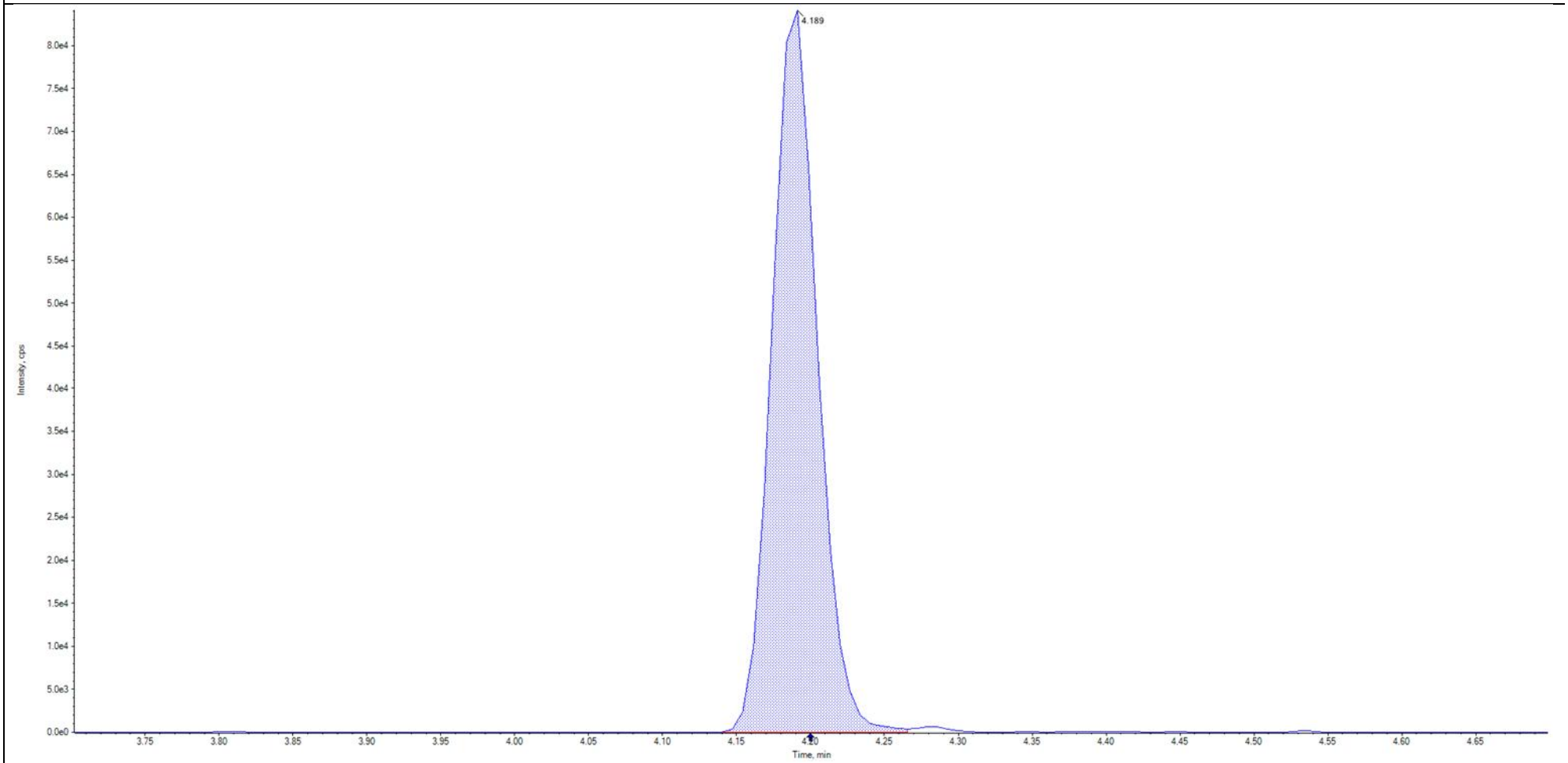
d3-NMeFOSA
Sample: IA1633STD-2.5



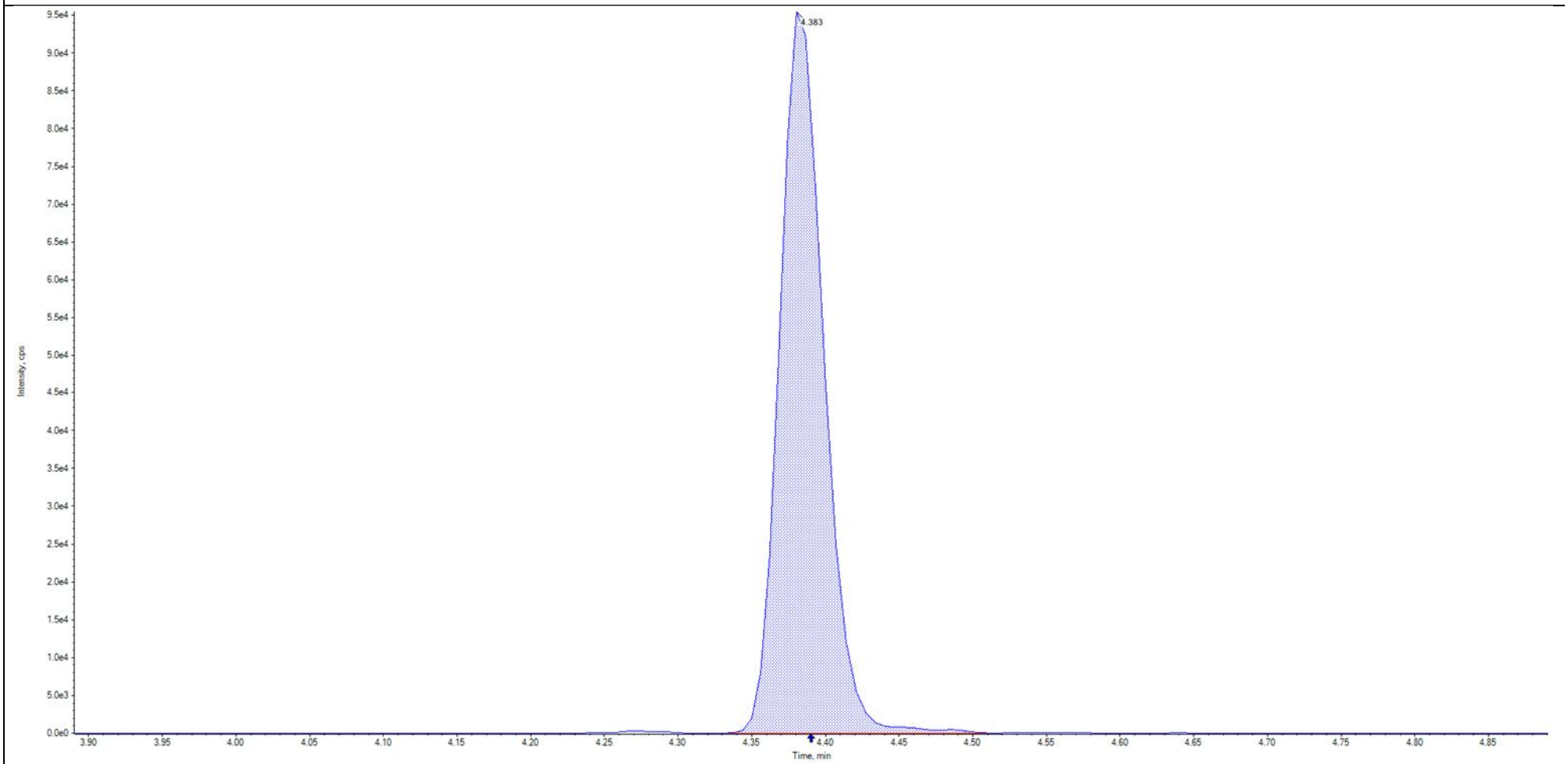
d5-NEtFOSA
Sample: IA1633STD-2.5



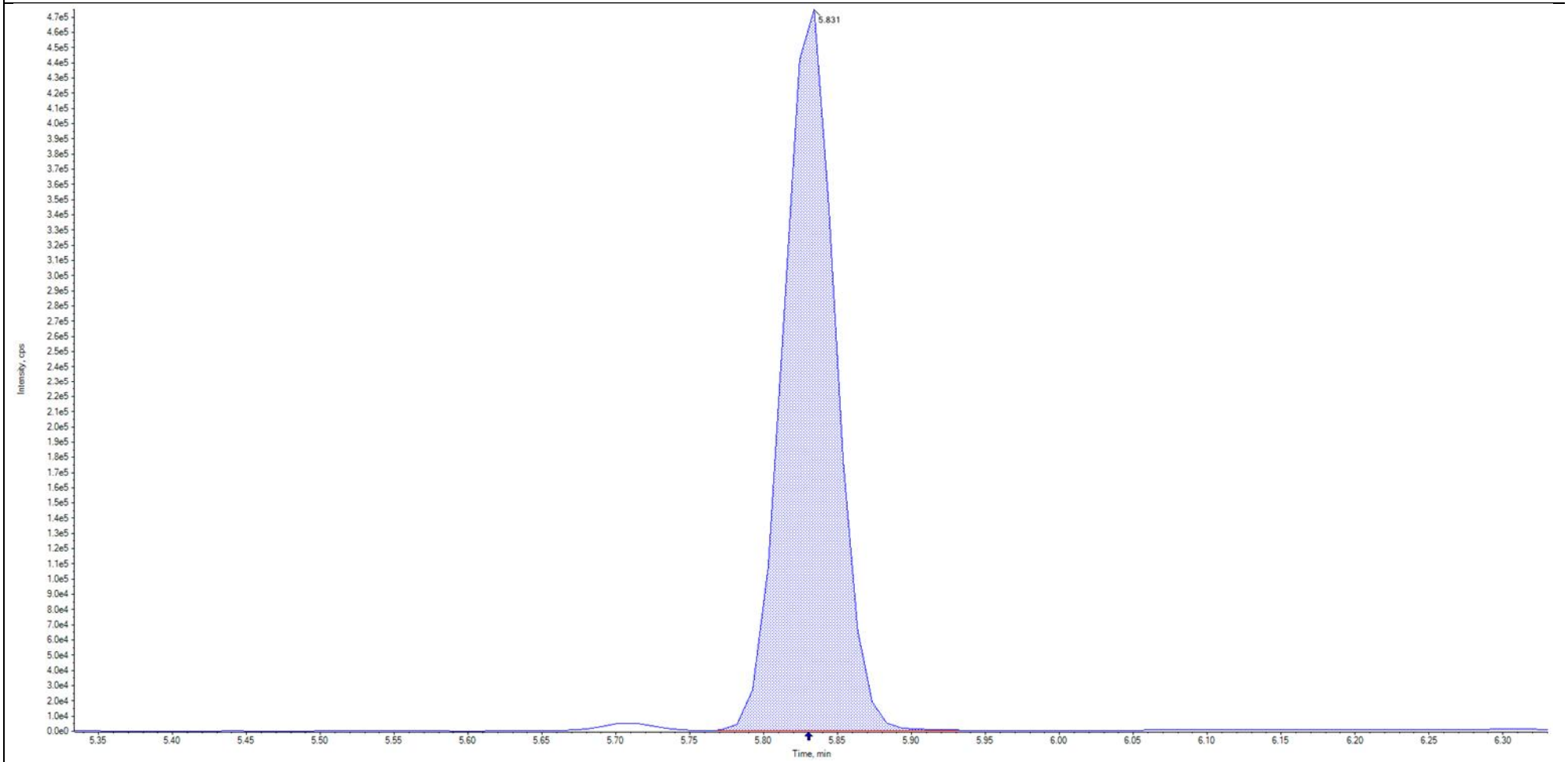
d3-NMeFOSAA
Sample: IA1633STD-2.5



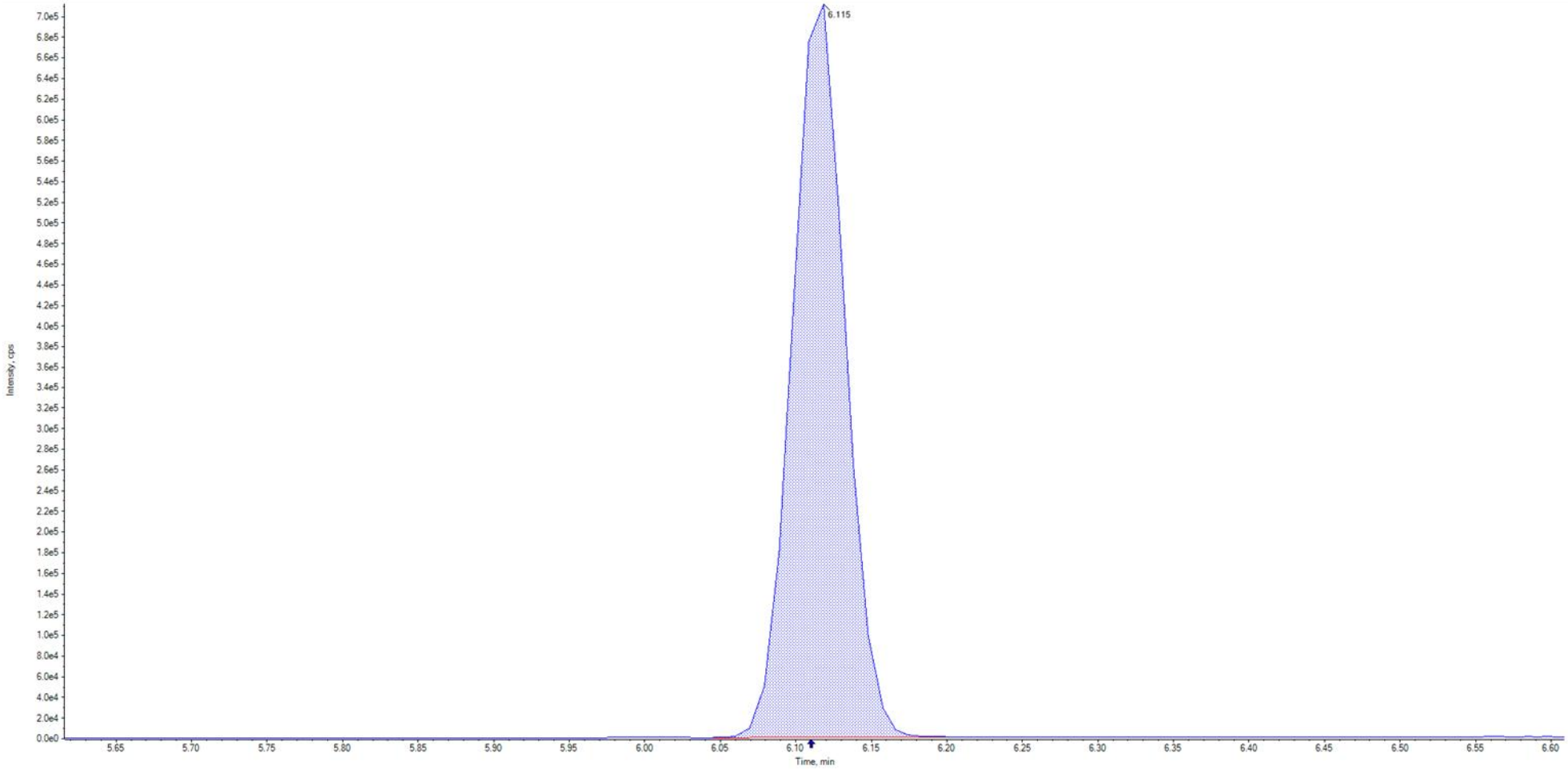
d5-NEtFOSAA
Sample: IA1633STD-2.5



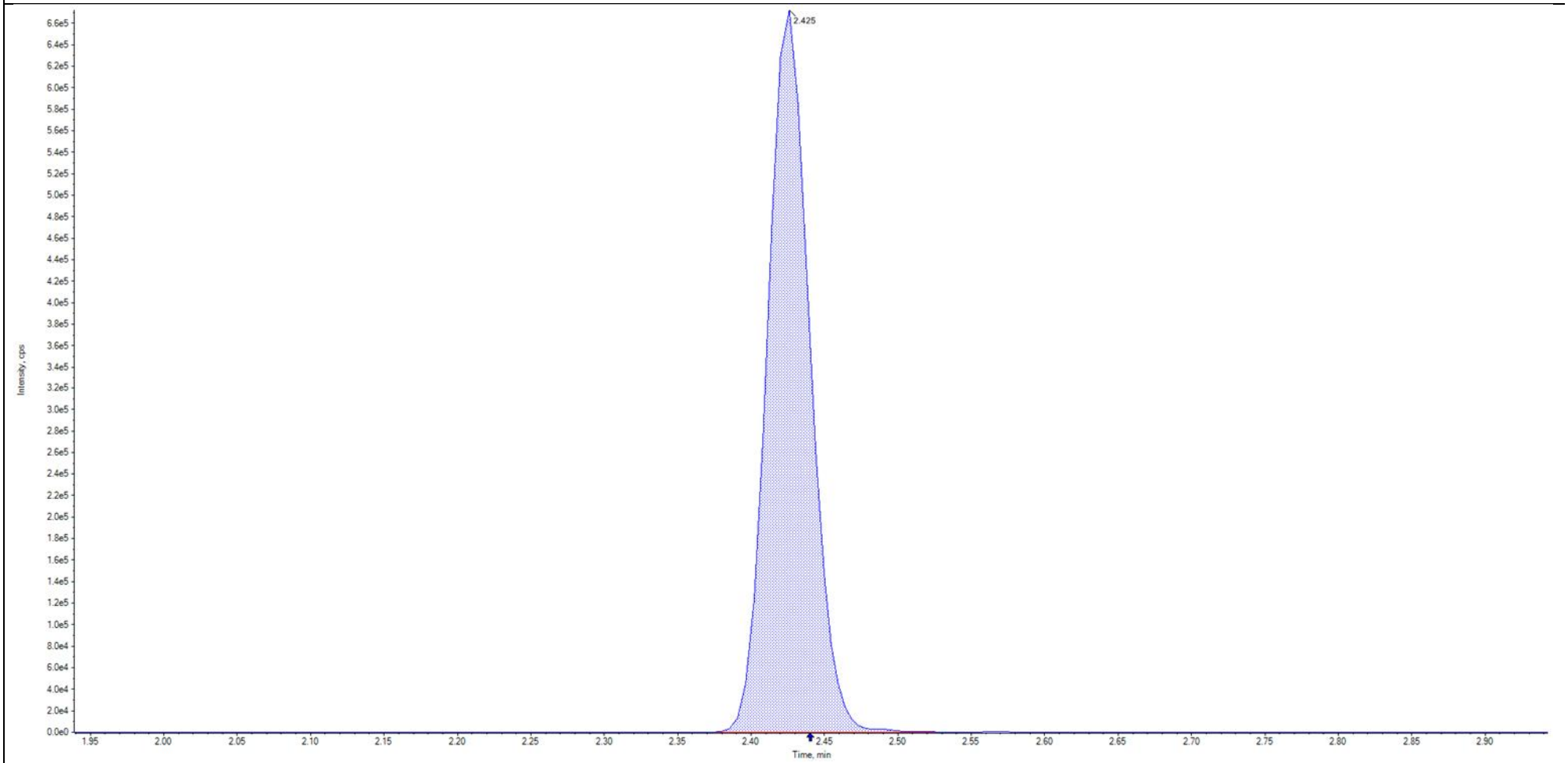
d7-NMeFOSE
Sample: IA1633STD-2.5



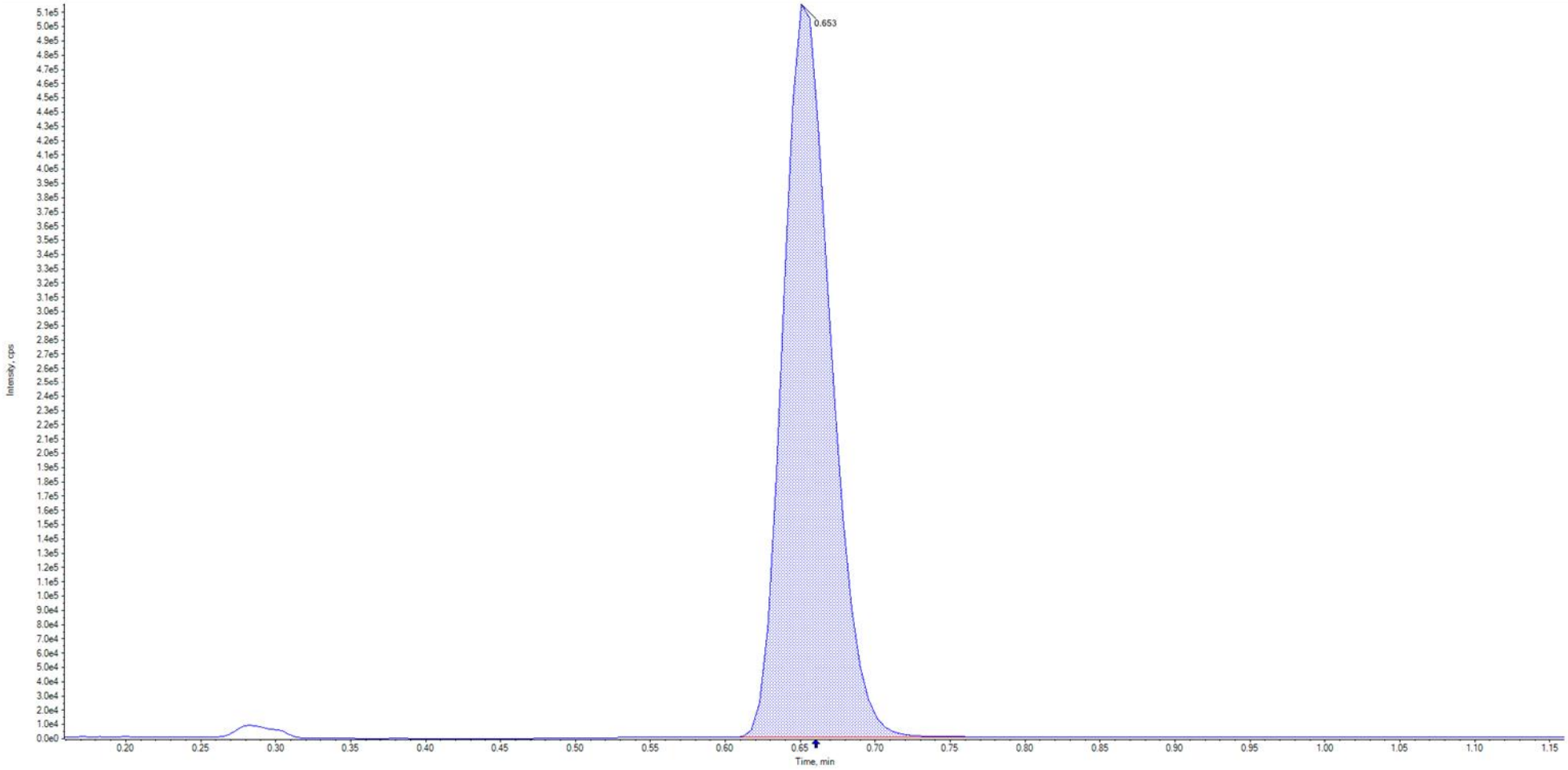
d9-NEtFOSE
Sample: IA1633STD-2.5



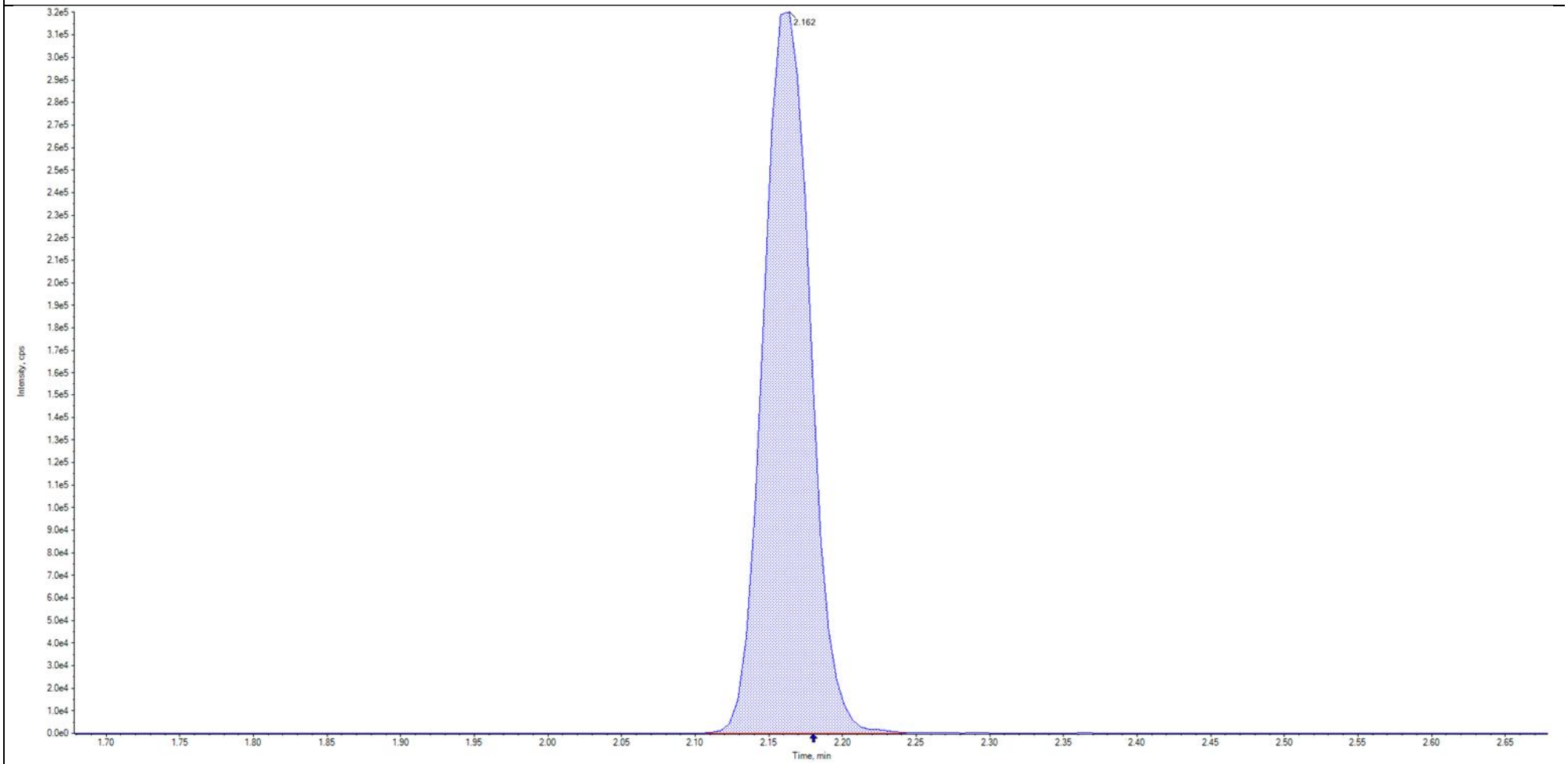
13C3-HFPO-DA
Sample: IA1633STD-2.5



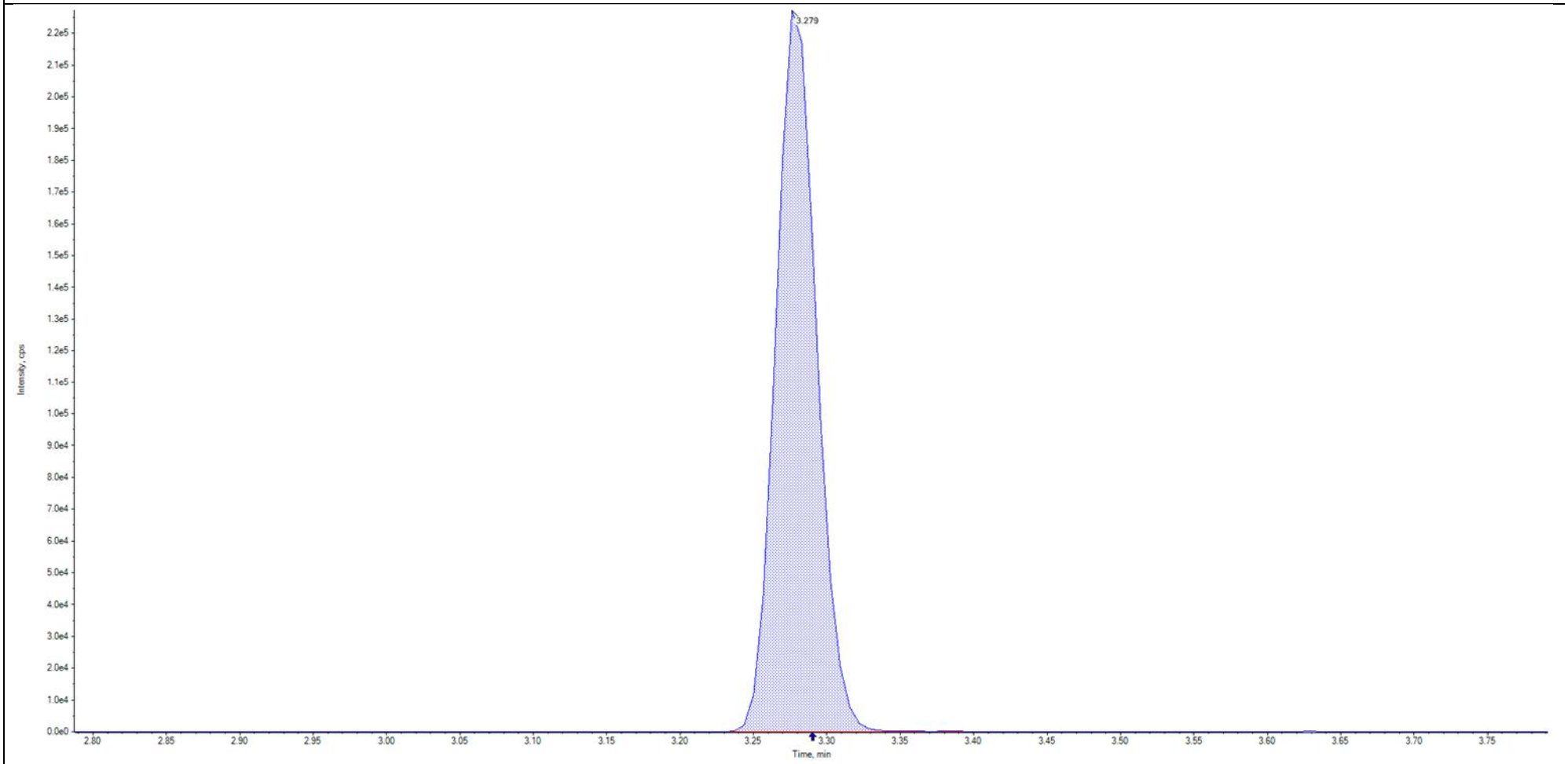
13C3-PFBA
Sample: IA1633STD-2.5



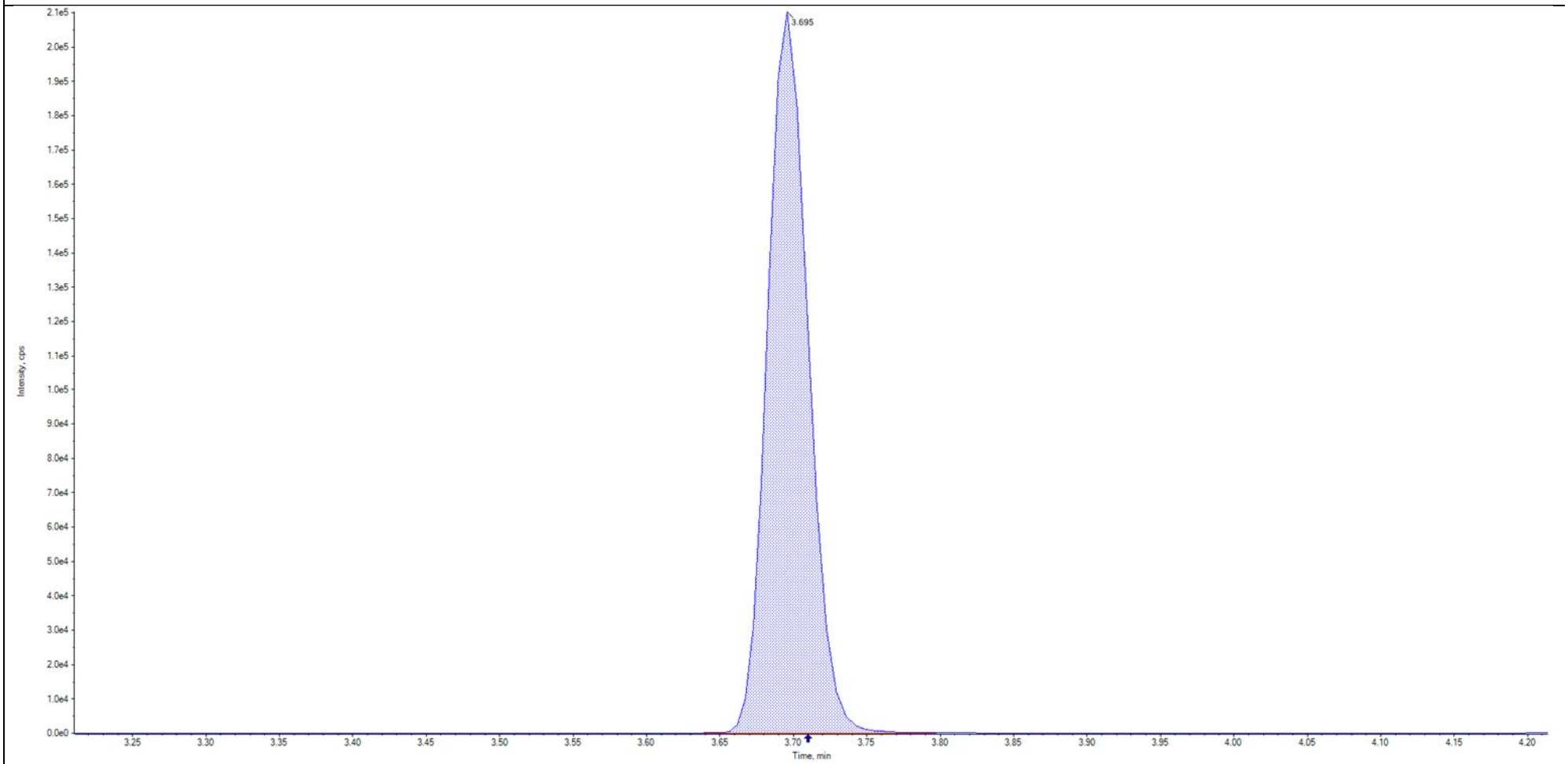
13C2-PFHxA
Sample: IA1633STD-2.5



13C4-PFOA
Sample: IA1633STD-2.5



13C5-PFNA
Sample: IA1633STD-2.5



13C2-PFDA
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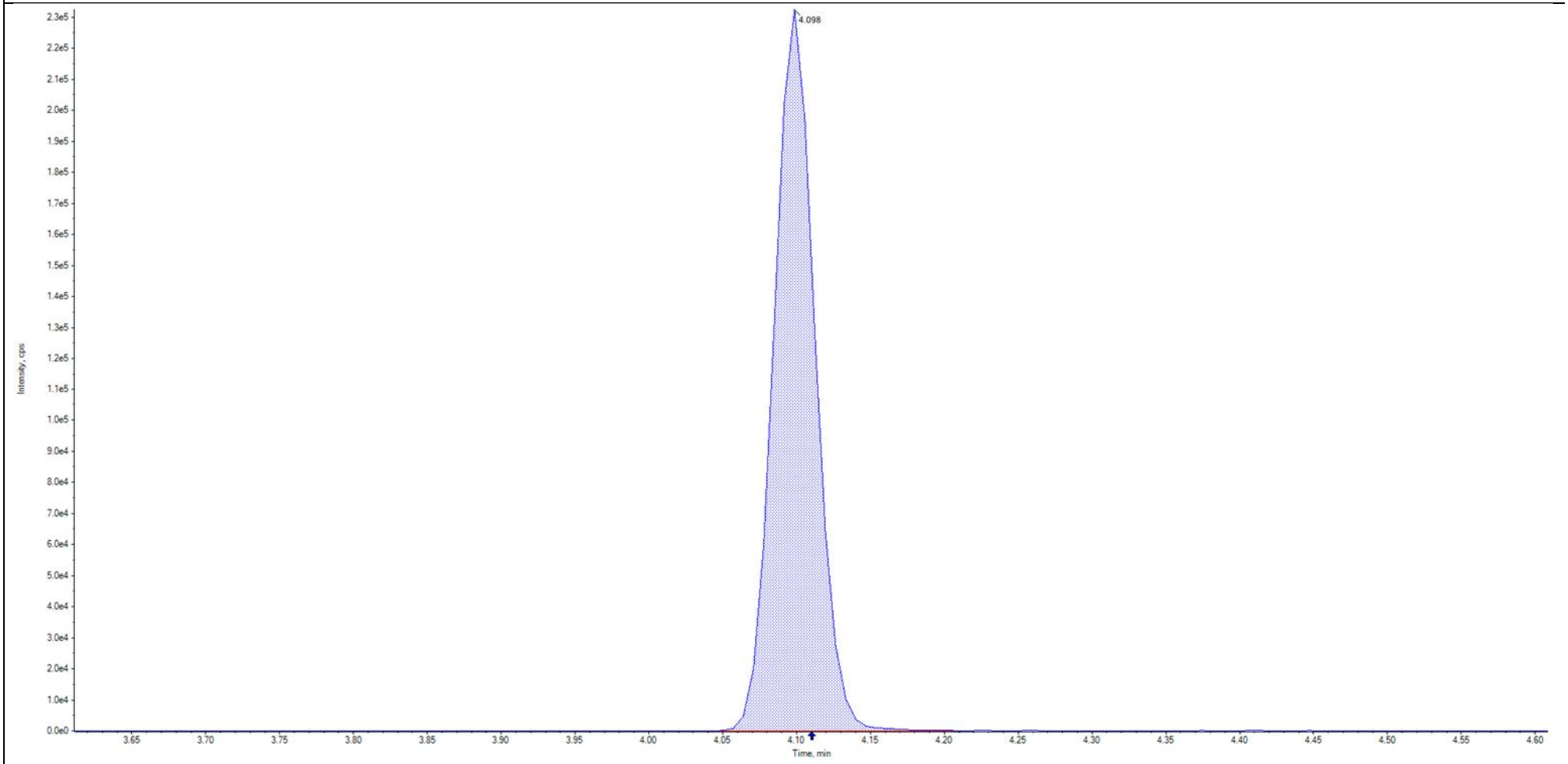

18O2-PFHxS
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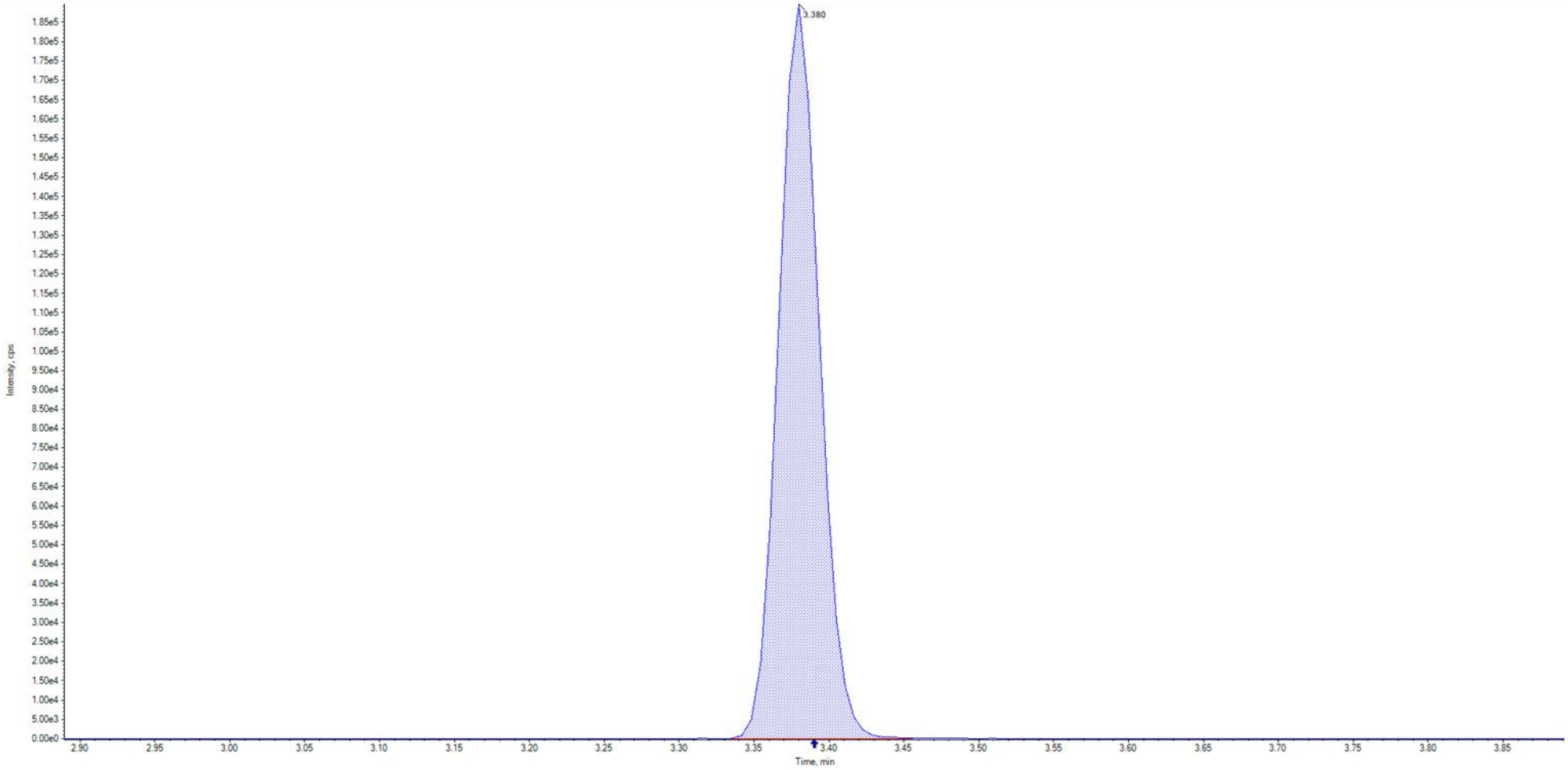

13C4-PFOS
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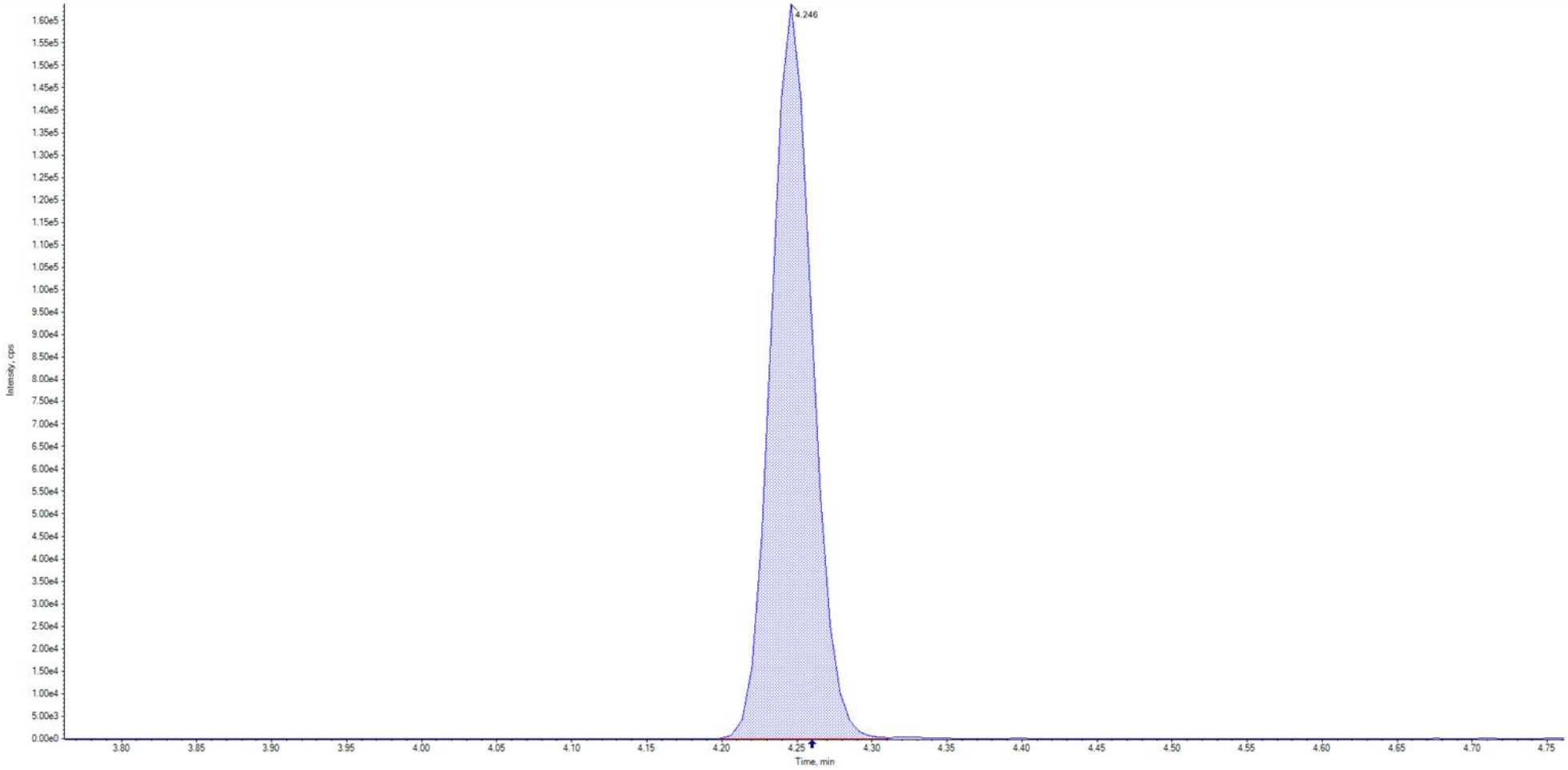

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Method: EPA1633F.qmethod
Calibration: 241115_EPA1633_ICAL

ID: IA1633STD-5.0
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Description: WG1997639,,EPA1633F_241018_L5
Instrument: SCIEX Triple Quad 5500+
User: LCMS05:PNB

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.64	213.0 / 169.0	3722140		18.522	N/A	N/A	N/A	92.6
2	PFPeA	2706-90-3	1.32	263.0 / 219.0	1876017		9.501	0.007	N/A	N/A	95.0
3	PFPeA_2	2706-90-3	1.32	263.0 / 68.9	12913		8.811	0.007	N/A	N/A	88.1
4	PFHxA	307-24-4	2.16	313.0 / 269.0	1150958		4.092	0.089	0.089	Pass	81.9
5	PFHxA_2	307-24-4	2.16	313.0 / 119.0	102726		4.948	0.089	0.089	Pass	99.0
6	PFHpA	375-85-9	2.82	363.1 / 319.0	1464760		4.939	0.332	0.332	Pass	98.8
7	PFHpA_2	375-85-9	2.82	363.1 / 169.0	486561		5.118	0.332	0.332	Pass	102.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.28	413.1 / 369.1	1502126	M5	4.678	0.369	0.369	Pass	93.6
9	PFOA_2	335-67-1	3.28	413.1 / 169.0	554390	M5	4.676	0.369	0.369	Pass	93.5
10	PFNA	375-95-1	3.69	462.8 / 418.9	1353174		4.715	0.303	0.303	Pass	94.3
11	PFNA_2	375-95-1	3.69	462.8 / 219.0	410017	M5	4.788	0.303	0.303	Pass	95.8
12	PFDA	335-76-2	4.09	513.1 / 469.1	1379816		4.781	0.162	0.162	Pass	95.6
13	PFDA_2	335-76-2	4.09	513.1 / 219.0	223642		4.693	0.162	0.162	Pass	93.9
14	PFUnA	2058-94-8	4.49	563.1 / 519.1	1071452		4.938	0.199	0.199	Pass	98.8
15	PFUnA_2	2058-94-8	4.49	563.1 / 269.0	213247		5.065	0.199	0.199	Pass	101.3
16	PFDoA	307-55-1	4.88	613.1 / 569.1	1112401		5.110	0.180	0.180	Pass	102.2
17	PFDoA_2	307-55-1	4.88	613.1 / 319.0	199703		4.960	0.180	0.180	Pass	99.2
18	PFTrDA	72629-94-8	5.26	663.1 / 619.1	1123830		5.206	0.160	0.160	Pass	104.1
19	PFTrDA_2	72629-94-8	5.26	663.1 / 169.0	179443		5.163	0.160	0.160	Pass	103.3
20	PFTeDA	376-06-7	5.64	713.1 / 669.1	1169038		5.154	0.149	0.149	Pass	103.1
21	PFTeDA_2	376-06-7	5.64	713.1 / 169.0	174248		5.264	0.149	0.149	Pass	105.3
22	PFBS	375-73-5	2.15	299.1 / 80.1	790436		4.354	0.388	0.388	Pass	98.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.15	299.1 / 99.1	306923		4.255	0.388	0.388	Pass	95.8
24	PFPeS	2706-91-4	2.87	349.1 / 80.1	783828		4.339	0.297	0.297	Pass	92.3
25	PFPeS_2	2706-91-4	2.87	349.1 / 99.1	233162		4.446	0.297	0.297	Pass	94.6
26	PFHxS	355-46-4	3.38	399.1 / 80.1	715106	M5	4.391	0.296	0.296	Pass	96.3
27	PFHxS_2	355-46-4	3.38	399.1 / 99.1	211339		4.220	0.296	0.296	Pass	92.5
28	PFHpS	375-92-8	3.82	449.1 / 80.1	689834		4.458	0.258	0.258	Pass	93.7
29	PFHpS_2	375-92-8	3.82	449.1 / 99.1	177780		4.367	0.258	0.258	Pass	91.8
30	PFOS	1763-23-1	4.24	499.1 / 80.1	718399	M5	4.208	0.233	0.233	Pass	90.7
31	PFOS_2	1763-23-1	4.24	499.1 / 99.1	167469	M5	4.397	0.233	0.233	Pass	94.8
32	PFNS	68259-12-1	4.65	549.1 / 80.1	492586		4.383	0.296	0.296	Pass	91.3
33	PFNS_2	68259-12-1	4.65	549.1 / 99.1	146022		4.437	0.296	0.296	Pass	92.4
34	PFDS	335-77-3	5.04	599.1 / 80.1	497057		4.496	0.272	0.272	Pass	93.3
35	PFDS_2	335-77-3	5.04	599.1 / 99.1	135226		4.366	0.272	0.272	Pass	90.6
36	PFDoS	79780-39-5	5.79	699.2 / 80.1	447632		4.417	0.263	0.263	Pass	91.3
37	PFDoS_2	79780-39-5	5.79	699.2 / 99.1	117673		4.425	0.263	0.263	Pass	91.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.92	327.1 / 307.1	975286		17.978	0.559	0.559	Pass	96.1
39	4:2FTS_2	757124-72-4	1.92	327.1 / 81.1	545175		17.805	0.559	0.559	Pass	95.2
40	6:2FTS	27619-97-2	3.10	427.2 / 407.2	858068		19.158	0.593	0.593	Pass	100.8
41	6:2FTS_2	27619-97-2	3.10	427.2 / 81.1	508411		18.290	0.593	0.593	Pass	96.3
42	8:2FTS	39108-34-4	3.91	527.2 / 507.2	493181		19.475	0.759	0.759	Pass	101.4
43	8:2FTS_2	39108-34-4	3.91	527.2 / 81.1	374239		19.902	0.759	0.759	Pass	103.7
44	PFOSA	754-91-6	5.26	498.1 / 78.1	832850	M5	4.513	0.023	0.023	Pass	90.3
45	PFOSA_2	754-91-6	5.26	498.1 / 478.0	19538	M5	4.472	0.023	0.023	Pass	89.4
46	NMeFOSA	31506-32-8	5.97	512.2 / 219.0	184746	M5	4.583	1.457	1.457	Pass	91.7
47	NMeFOSA_2	31506-32-8	5.92	512.2 / 169.0	269107		4.597	1.457	1.457	Pass	91.9
48	NEtFOSA	4151-50-2	6.26	526.2 / 219.0	187317		4.744	1.309	1.309	Pass	94.9
49	NEtFOSA_2	4151-50-2	6.22	526.2 / 169.0	245108		4.730	1.309	1.309	Pass	94.6
50	NMeFOSAA	2355-31-9	4.18	570.2 / 419.1	125724	M5	4.510	0.804	0.804	Pass	90.2
51	NMeFOSAA_2	2355-31-9	4.18	570.2 / 483.0	101102	M5	4.752	0.804	0.804	Pass	95.0
52	NEtFOSAA	2991-50-6	4.38	584.2 / 419.1	185356	M5	4.886	0.419	0.419	Pass	97.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.38	584.2 / 526.2	77727	M5	4.649	0.419	0.419	Pass	93.0
54	NMeFOSE	24448-09-7	5.84	616.1 / 58.9	5458640	M5	48.260	N/A	N/A	N/A	96.5
55	NEtFOSE	1691-99-2	6.13	630.0 / 58.9	9239121		48.327	N/A	N/A	N/A	96.7
56	HFPO-DA	13252-13-6	2.42	285.0 / 169.0	2355007		20.588	0.685	0.685	Pass	102.9
57	HFPO-DA_2	13252-13-6	2.42	285.0 / 184.9	1612459		21.534	0.685	0.685	Pass	107.7
58	ADONA	919005-14-4	2.99	376.9 / 251.0	5804234		22.717	0.884	0.884	Pass	120.2
59	ADONA_2	919005-14-4	2.99	376.9 / 84.8	5131986		19.967	0.884	0.884	Pass	105.6
60	9Cl-PF3ONS	756426-58-1	4.52	530.8 / 351.1	6950757		18.874	0.325	0.325	Pass	100.9
61	9Cl-PF3ONS_2	756426-58-1	4.52	532.8 / 353.0	2255531		18.781	0.325	0.325	Pass	100.4
62	11Cl-PF3OUdS	763051-92-9	5.30	630.9 / 451.0	4699795		19.403	0.338	0.338	Pass	102.7
63	11Cl-PF3OUdS_2	763051-92-9	5.30	632.9 / 452.9	1587459		18.679	0.338	0.338	Pass	98.8
64	3:3FTCA	356-02-5	1.70	241.1 / 177.1	252674		22.602	1.433	1.433	Pass	90.4
65	3:3FTCA_2	356-02-5	1.70	241.1 / 117.0	362050		21.058	1.433	1.433	Pass	84.2
66	5:3FTCA	914637-49-3	3.22	341.1 / 237.1	8345090		125.605	0.935	0.935	Pass	100.5
67	5:3FTCA_2	914637-49-3	3.22	341.1 / 217.0	7801217		126.864	0.935	0.935	Pass	101.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.17	441.1 / 316.9	4874910		107.915	1.712	1.712	Pass	86.3
69	7:3FTCA_2	812-70-4	4.17	441.1 / 337.1	8344256		121.903	1.712	1.712	Pass	97.5
70	PFEESA	113507-82-7	2.52	315.1 / 135.0	4975783		8.976	0.084	0.084	Pass	100.6
71	PFEESA_2	113507-82-7	2.52	315.1 / 82.9	416242		8.811	0.084	0.084	Pass	98.8
72	PFMPA	377-73-1	0.82	229.0 / 85.0	2434191		9.041	N/A	N/A	N/A	90.4
73	PFMBA	863090-89-5	1.62	279.0 / 85.0	2675738		9.366	N/A	N/A	N/A	93.7
74	NFDHA	151772-58-6	2.06	295.0 / 201.0	967647		10.105	0.781	0.781	Pass	101.1
75	NFDHA_2	151772-58-6	2.07	295.0 / 84.9	756000		10.278	0.781	0.781	Pass	102.8
76	TDCA	516-50-7	2.96	499.1 / 124.1	3464977		9.710	5.150	5.150	Pass	97.1
77	TDCA_2	516-50-7	2.96	499.1 / 79.9	17845235		9.517	5.150	5.150	Pass	95.2
78	13C2D4-4:2FTS	Surr	1.91	333.2 / 312.1	181463		5.563	N/A	N/A	N/A	111.3
79	13C2-PFOA	Surr	3.27	415.0 / 370.0	367317		2.597	N/A	N/A	N/A	103.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.64	217.0 / 172.0	2382702		10.763	NA	NA	NA	107.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.32	268.0 / 223.0	1140439		5.390	NA	NA	NA	107.8
	13C5-PFHxA	EIS	2.15	318.0 / 273.0	458806		2.523	NA	NA	NA	100.9
	13C4-PFHpA	EIS	2.81	367.0 / 322.0	311309		2.493	NA	NA	NA	99.7
	13C8-PFOA	EIS	3.27	420.8 / 376.0	1103580		2.732	NA	NA	NA	109.3
	13C9-PFNA	EIS	3.69	472.0 / 427.0	423626		1.357	NA	NA	NA	108.5
	13C6-PFDA	EIS	4.09	519.0 / 474.0	440931		1.412	NA	NA	NA	112.9
	13C7-PFUnA	EIS	4.48	570.0 / 525.0	351990		1.305	NA	NA	NA	104.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.87	615.1 / 570.0	285124		1.269	NA	NA	NA	101.6
	13C2-PFTeDA	EIS	5.63	715.1 / 670.1	253177		1.259	NA	NA	NA	100.7
	13C3-PFBS	EIS	2.14	302.1 / 80.1	441863		2.565	NA	NA	NA	110.1
	13C3-PFHxS	EIS	3.37	402.1 / 80.1	386806		2.591	NA	NA	NA	109.3
	13C8-PFOS	EIS	4.24	507.1 / 80.1	412145		2.763	NA	NA	NA	115.1
	13C2-4:2FTS	EIS	1.92	329.1 / 81.1	138637		4.850	NA	NA	NA	103.4
	13C2-6:2FTS	EIS	3.10	429.2 / 81.1	135718		5.138	NA	NA	NA	107.9
	13C2-8:2FTS	EIS	3.91	529.2 / 81.1	110034		4.636	NA	NA	NA	96.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.25	506.1 / 78.1	668761		2.812	NA	NA	NA	112.5
	d3-NMeFOSA	EIS	5.96	515.2 / 219.0	98045		2.803	NA	NA	NA	112.1
	d5-NEtFOSA	EIS	6.24	531.2 / 219.0	91440		2.805	NA	NA	NA	112.2
	d3-NMeFOSAA	EIS	4.18	573.2 / 419.1	190171		5.166	NA	NA	NA	103.3
	d5-NEtFOSAA	EIS	4.37	589.3 / 419.1	196598		5.553	NA	NA	NA	111.1
	d7-NMeFOSE	EIS	5.82	623.2 / 58.9	1094613		26.476	NA	NA	NA	105.9
	d9-NEtFOSE	EIS	6.11	639.2 / 58.9	1668889		27.857	NA	NA	NA	111.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.42	287.0 / 169.0	1238508		9.348	NA	NA	NA	93.5
	13C3-PFBA	NIS	0.64	216.0 / 172.0	984796		4.978	NA	NA	NA	99.6
	13C2-PFHxA	NIS	2.15	315.0 / 270.0	635730		2.418	NA	NA	NA	96.7
	13C4-PFOA	NIS	3.27	417.0 / 372.0	397707		2.295	NA	NA	NA	91.8
	13C5-PFNA	NIS	3.69	468.0 / 423.0	352246		1.132	NA	NA	NA	90.6
	13C2-PFDA	NIS	4.09	515.1 / 470.1	363200		1.147	NA	NA	NA	91.7
	18O2-PFHxS	NIS	3.37	403.1 / 84.1	302423		2.140	NA	NA	NA	90.3
	13C4-PFOS	NIS	4.24	503.1 / 80.1	259071		2.093	NA	NA	NA	87.2

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

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PFBA
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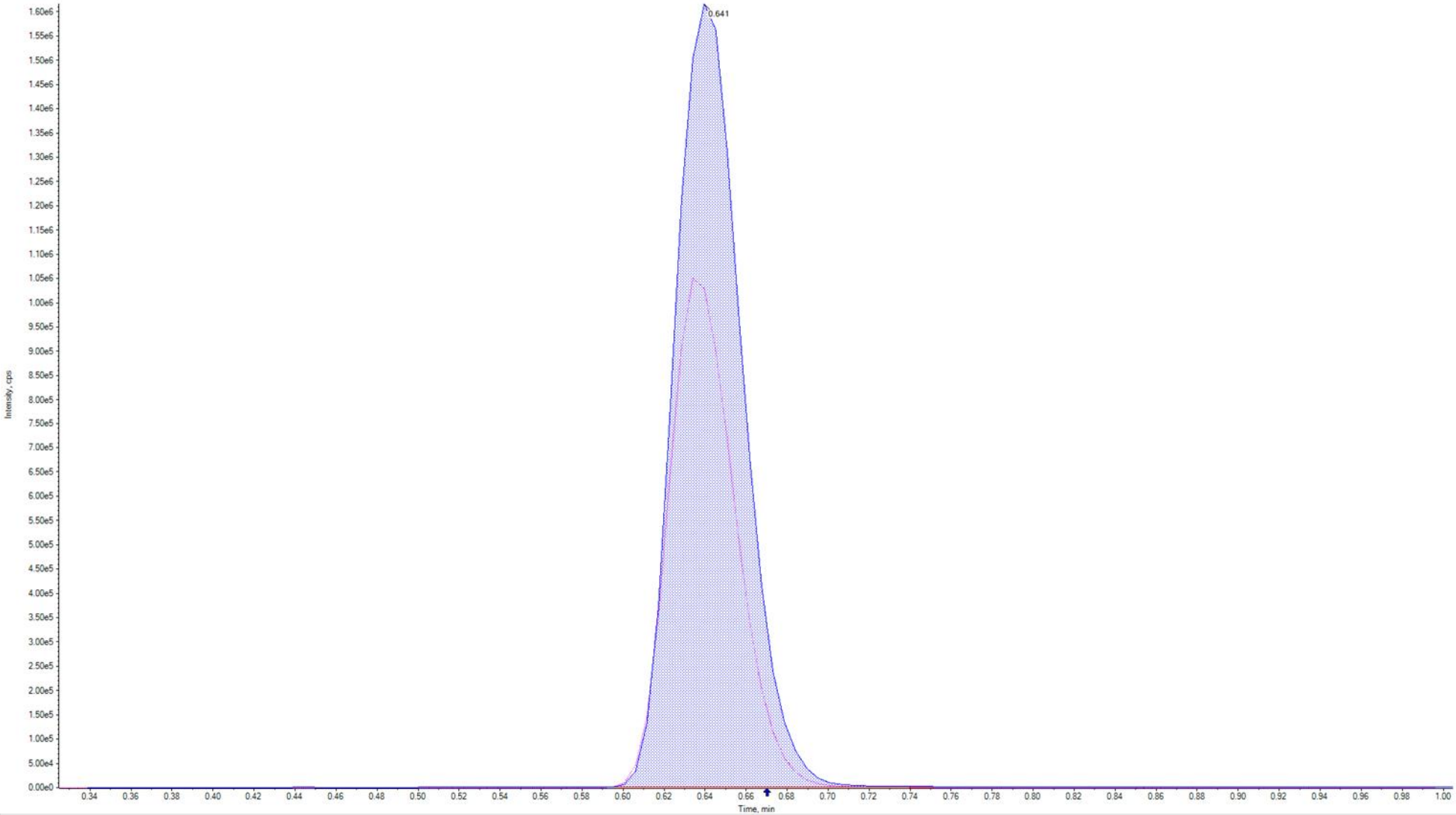

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PFPeA
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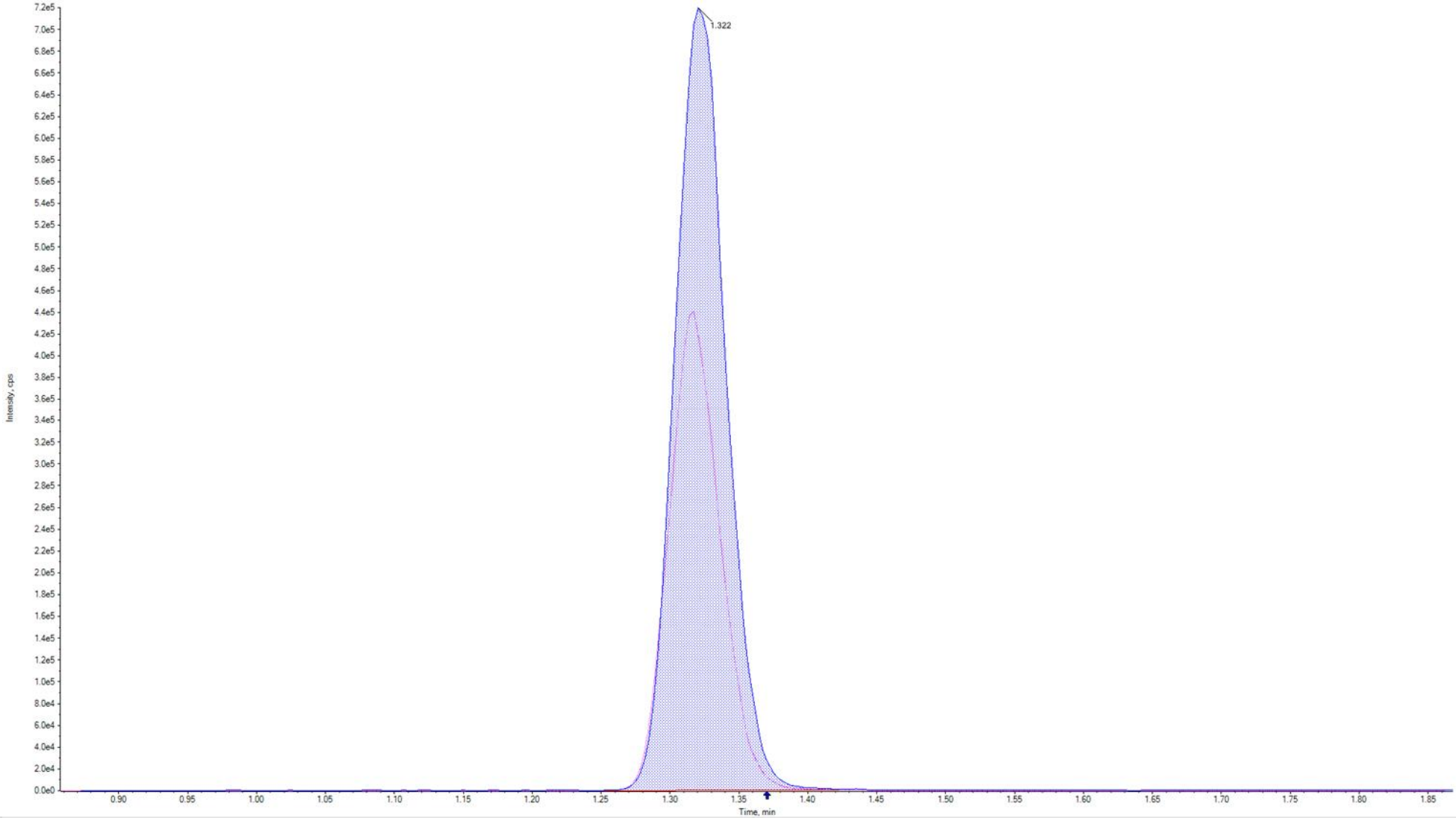

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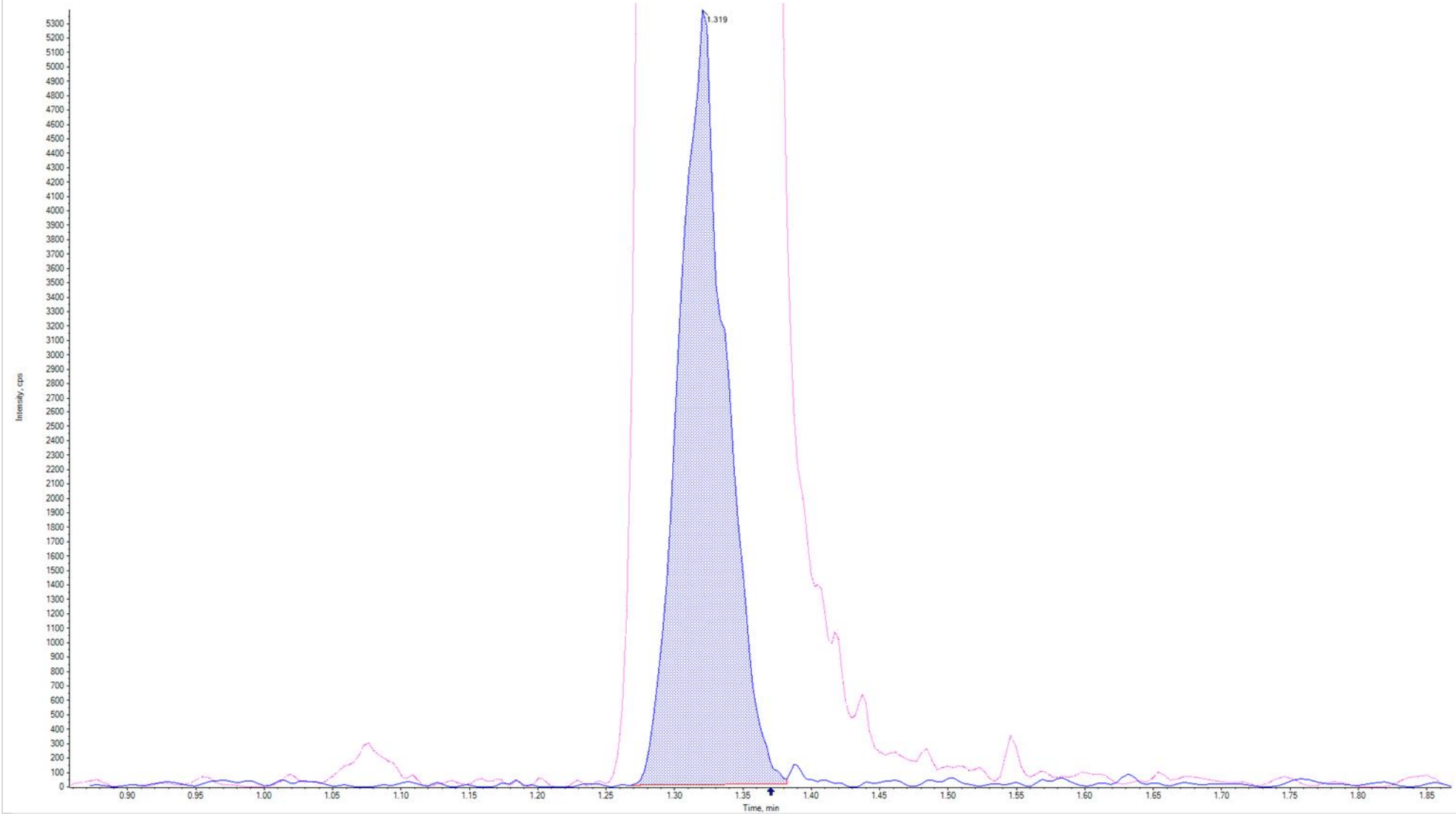

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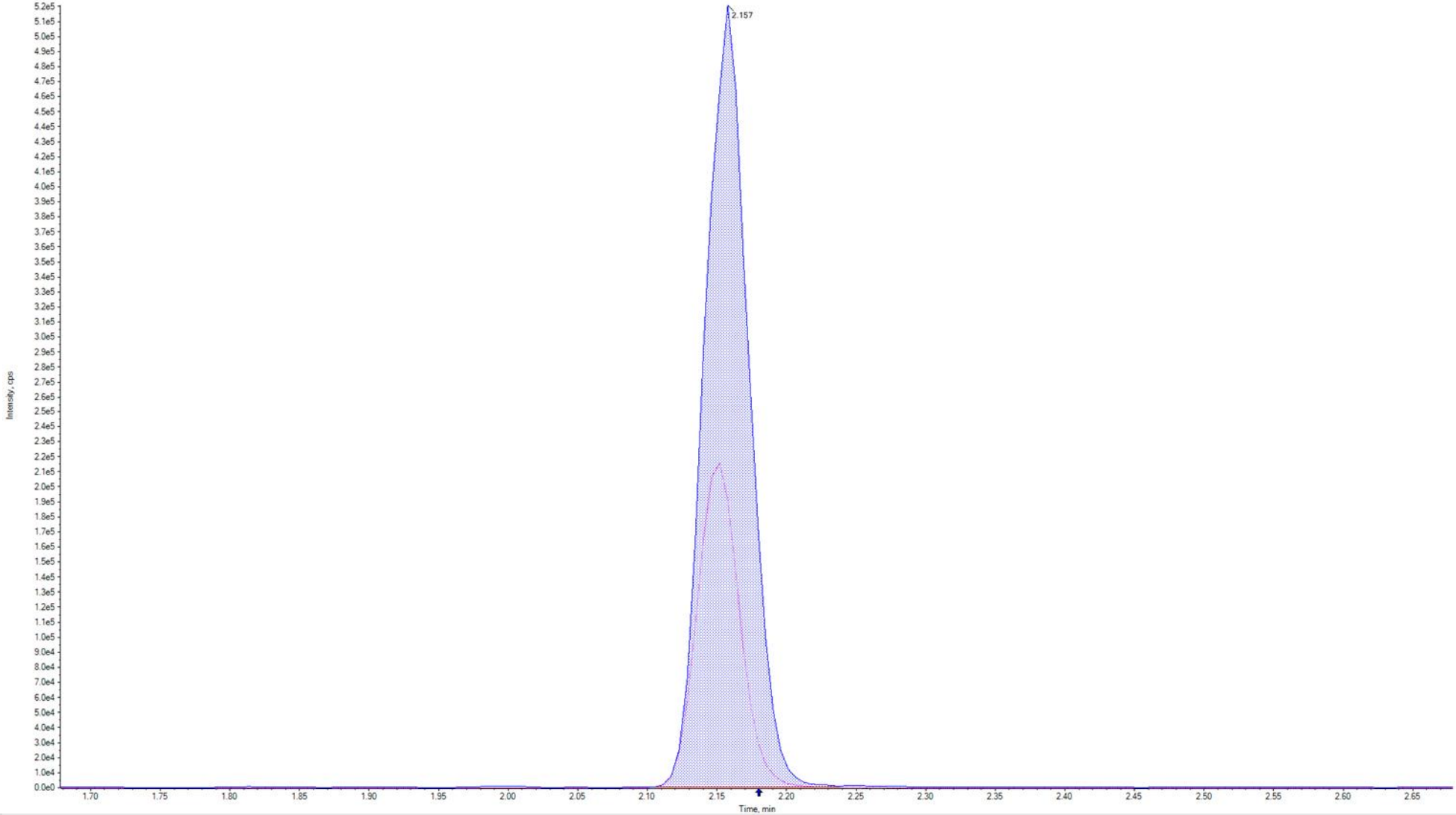
PFHxA
Sample: IA1633STD-5.0 S/N:5234.6 Points Across peak:26



PFHxA_2
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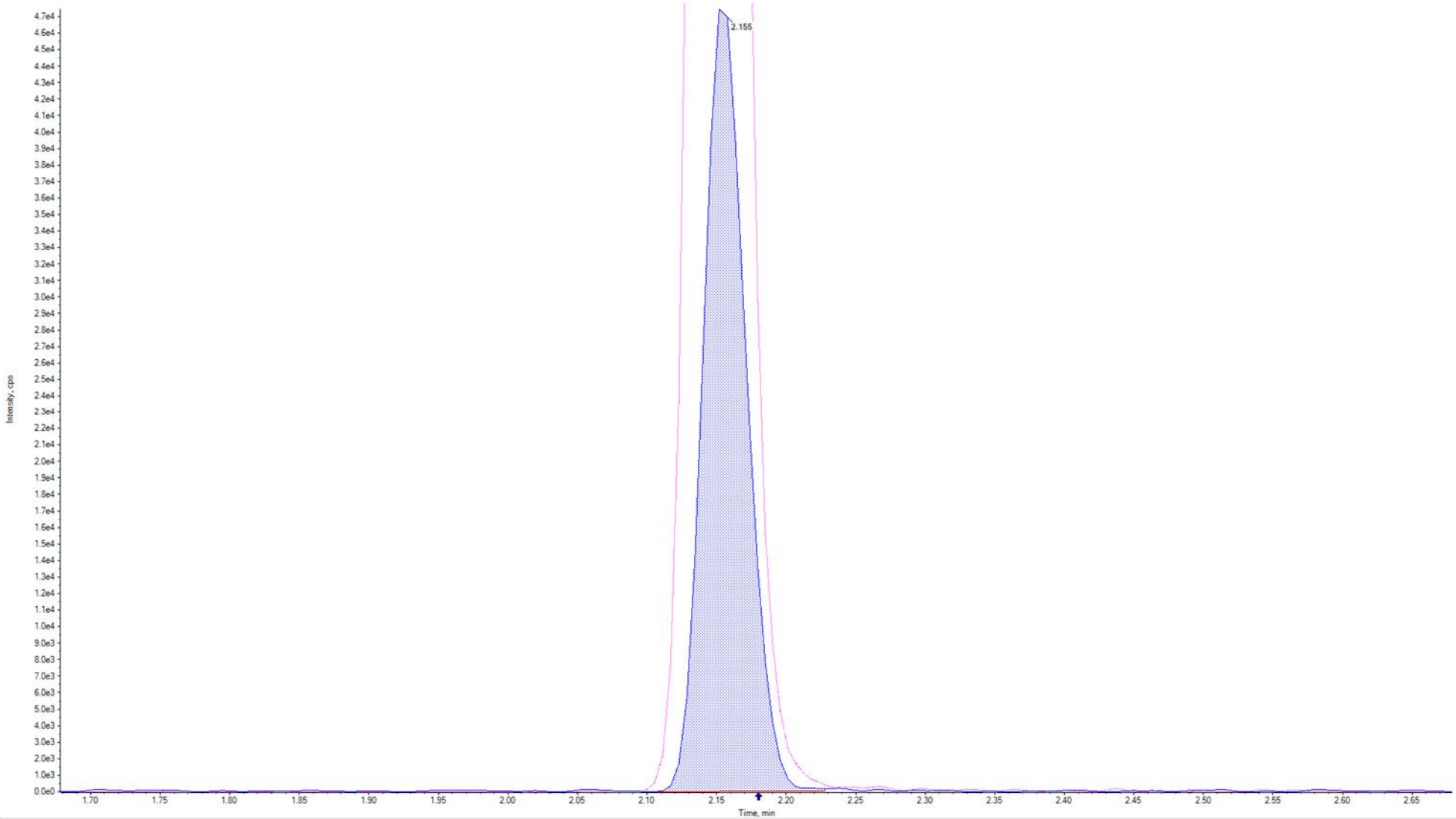

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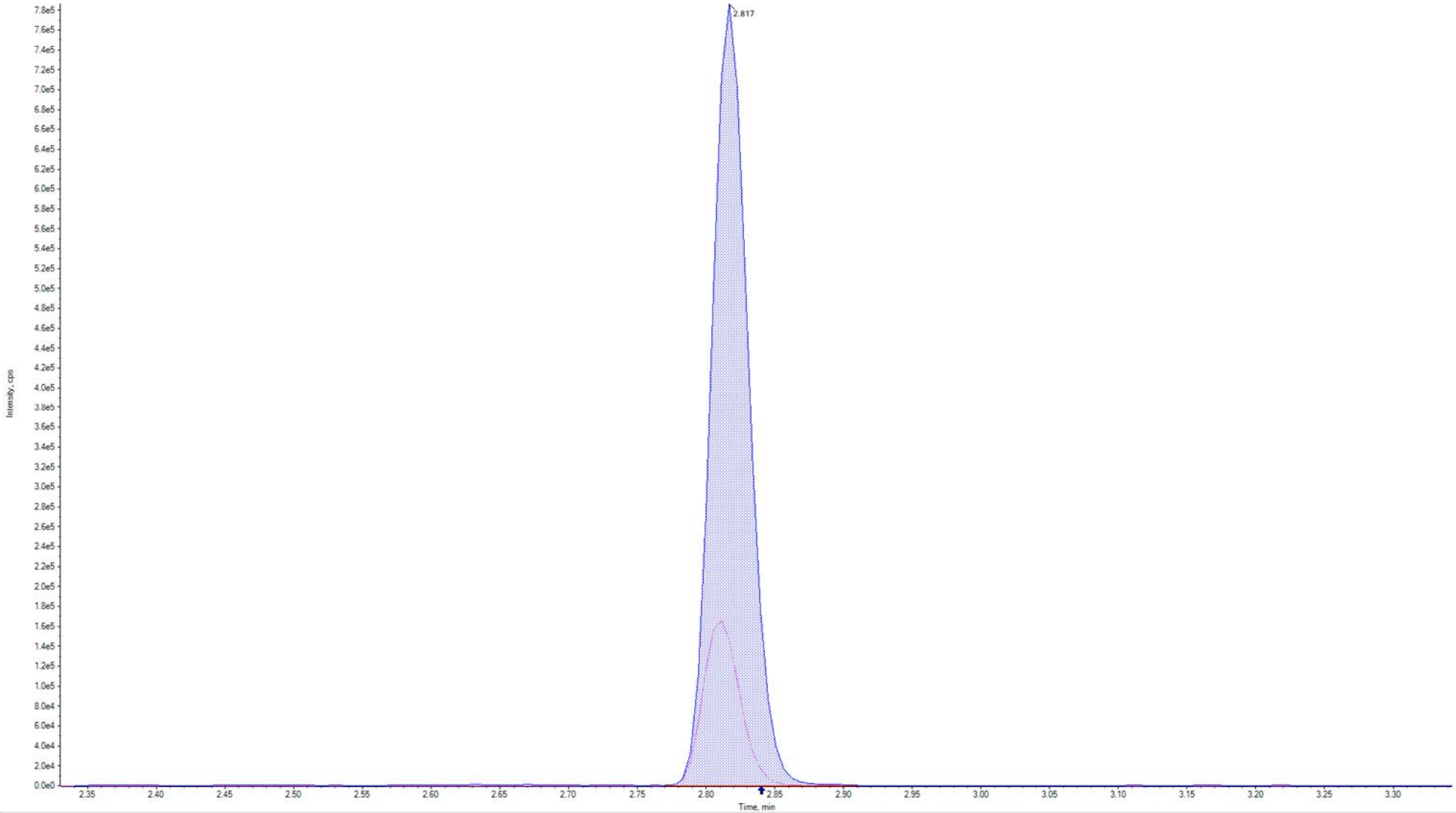
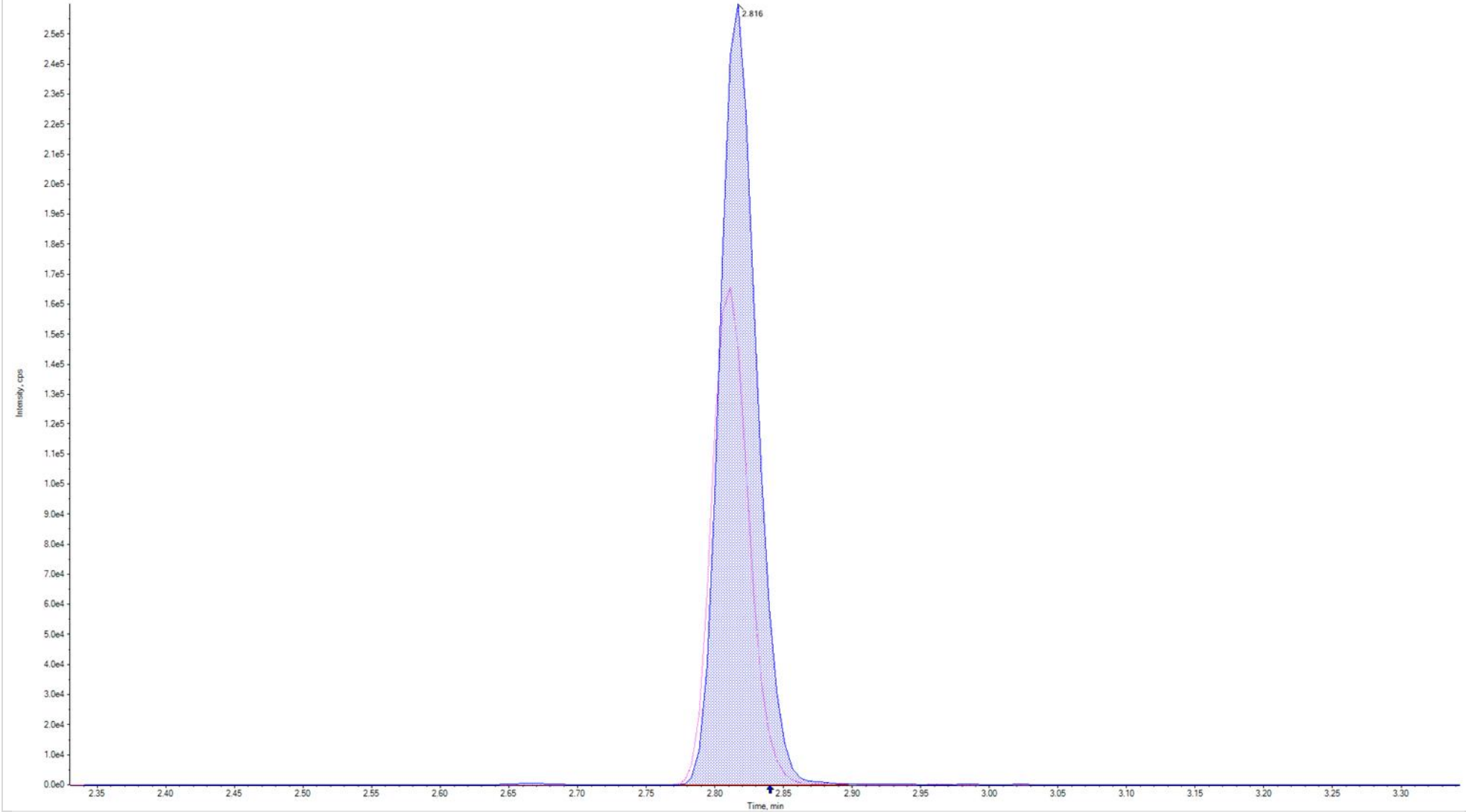
PFHpA
Sample: IA1633STD-5.0 S/N:6202.6 Points Across peak:28



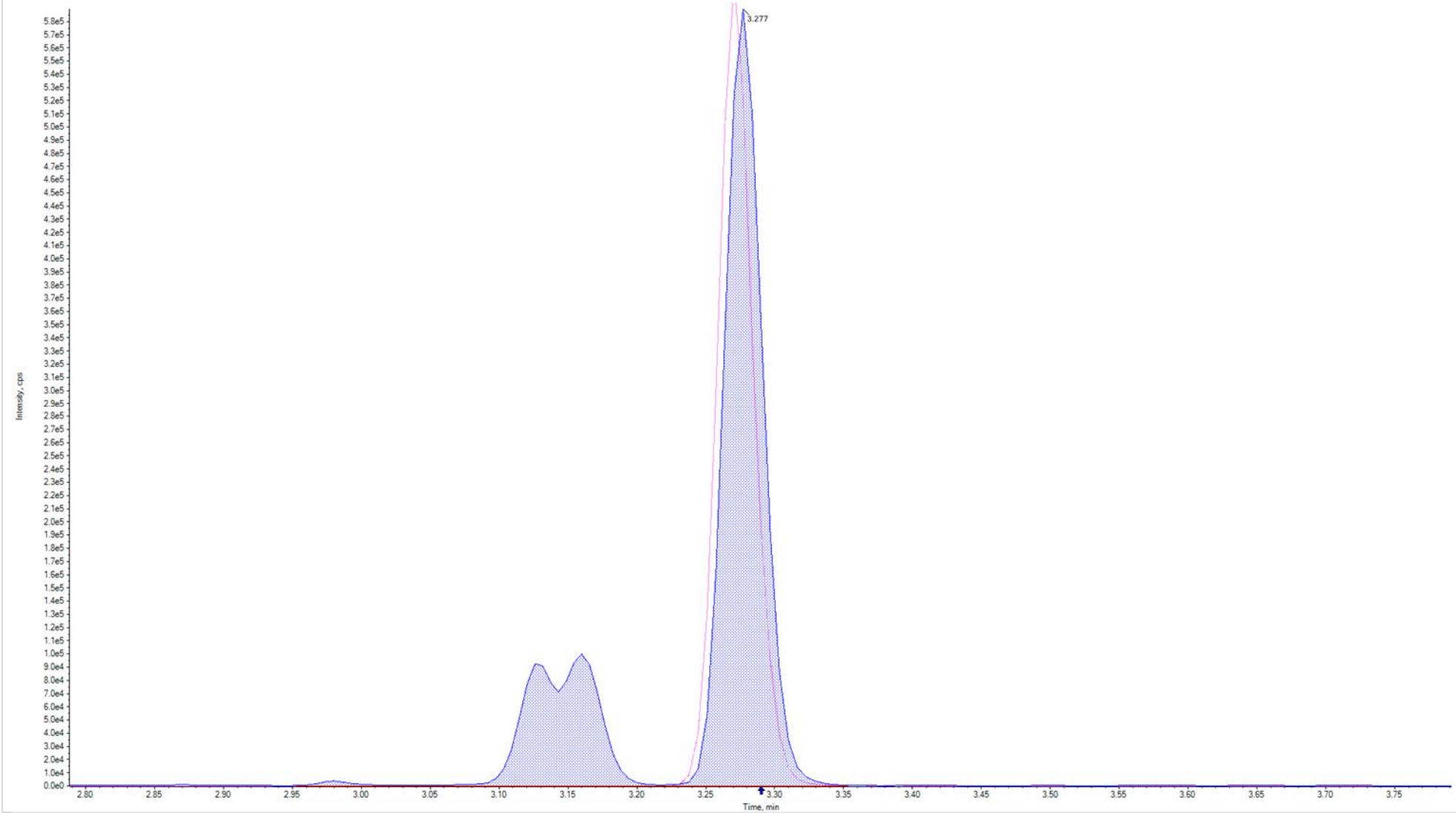
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFHpA_2
Sample: IA1633STD-5.0 S/N:5213.6 Points Across peak:25



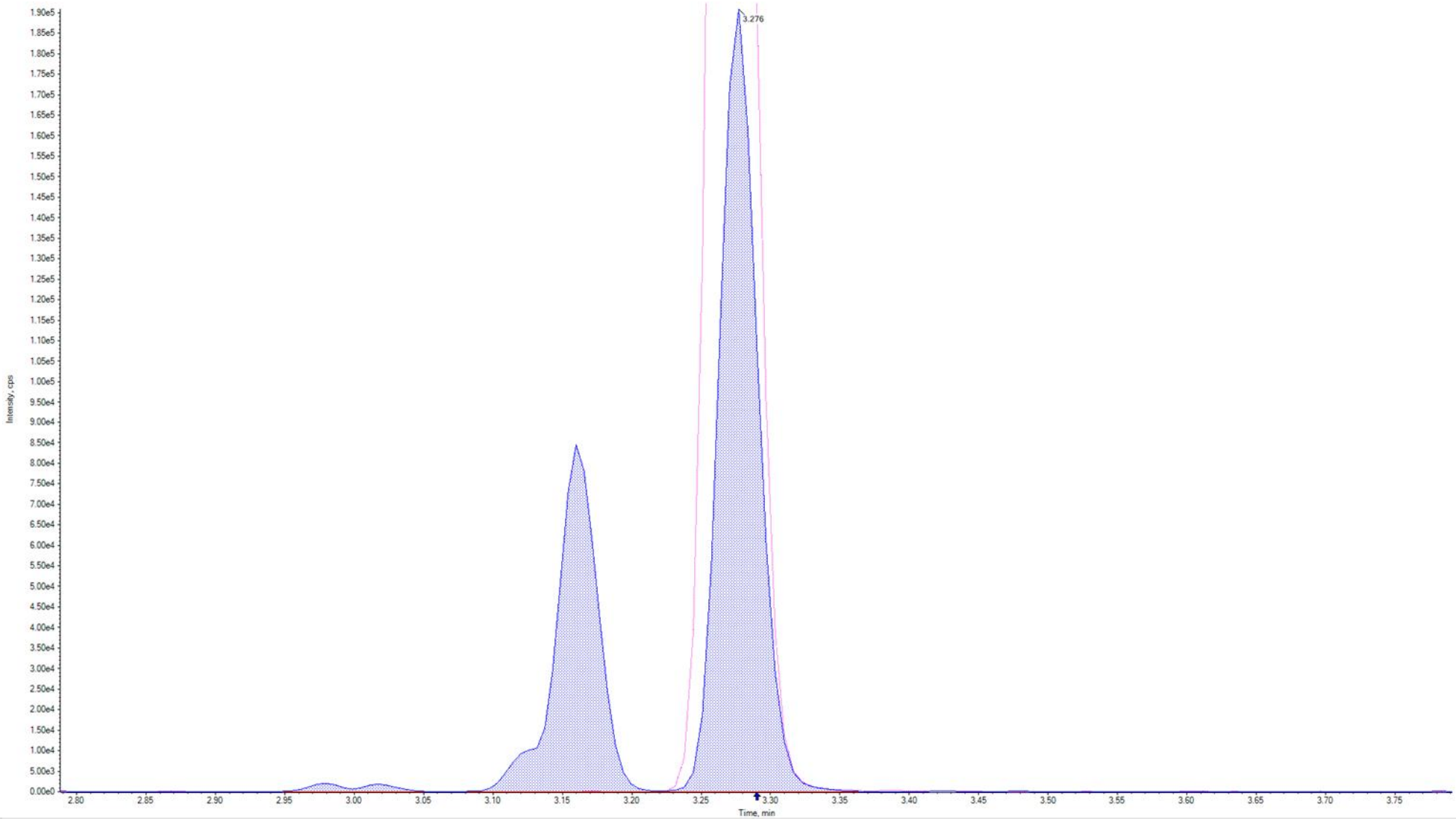
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOA
Sample: IA1633STD-5.0 S/N:699.8 Points Across peak:68



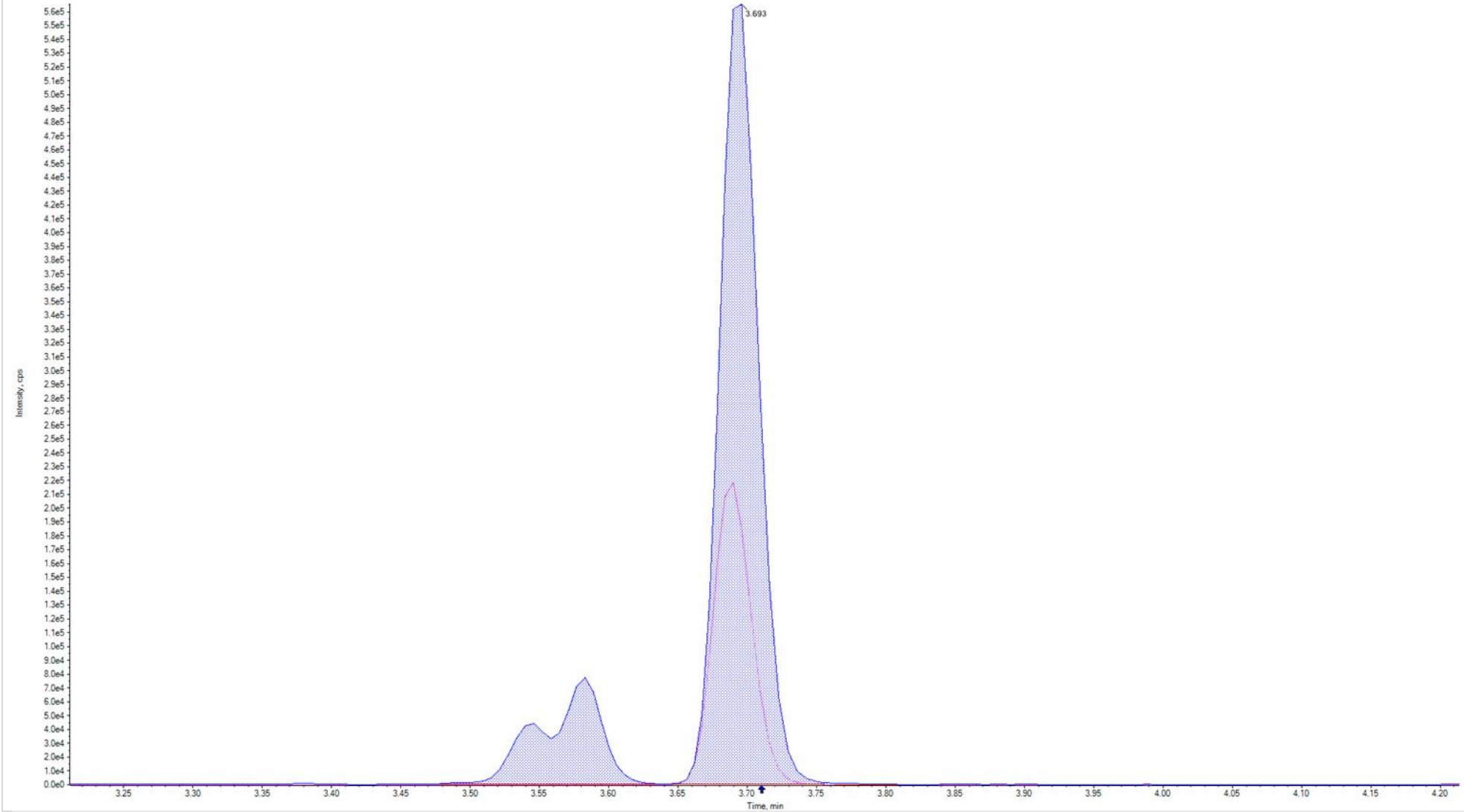
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOA_2
Sample: IA1633STD-5.0 S/N:441.3 Points Across peak:73



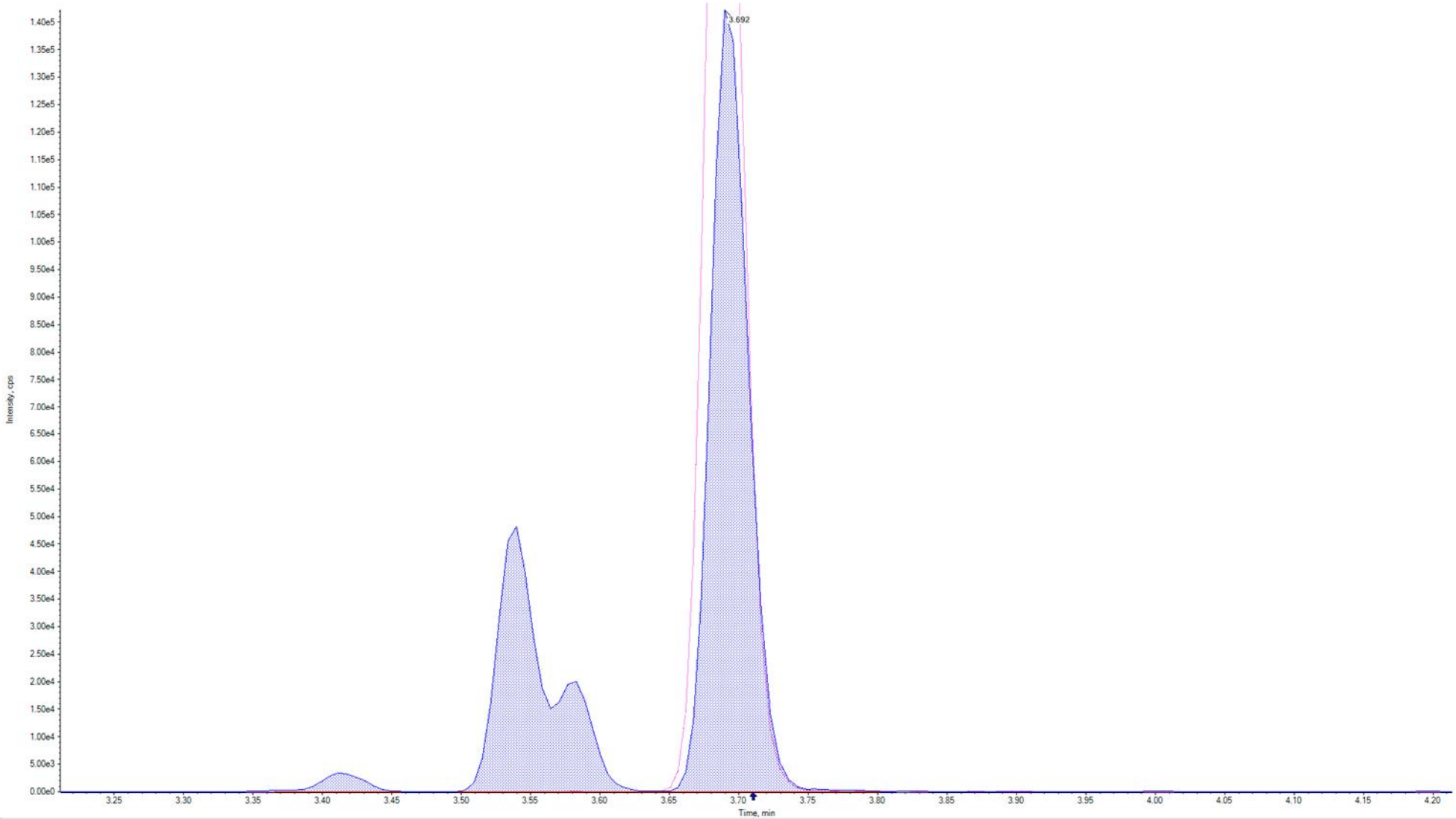
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFNA
Sample: IA1633STD-5.0 S/N:867.5 Points Across peak:60



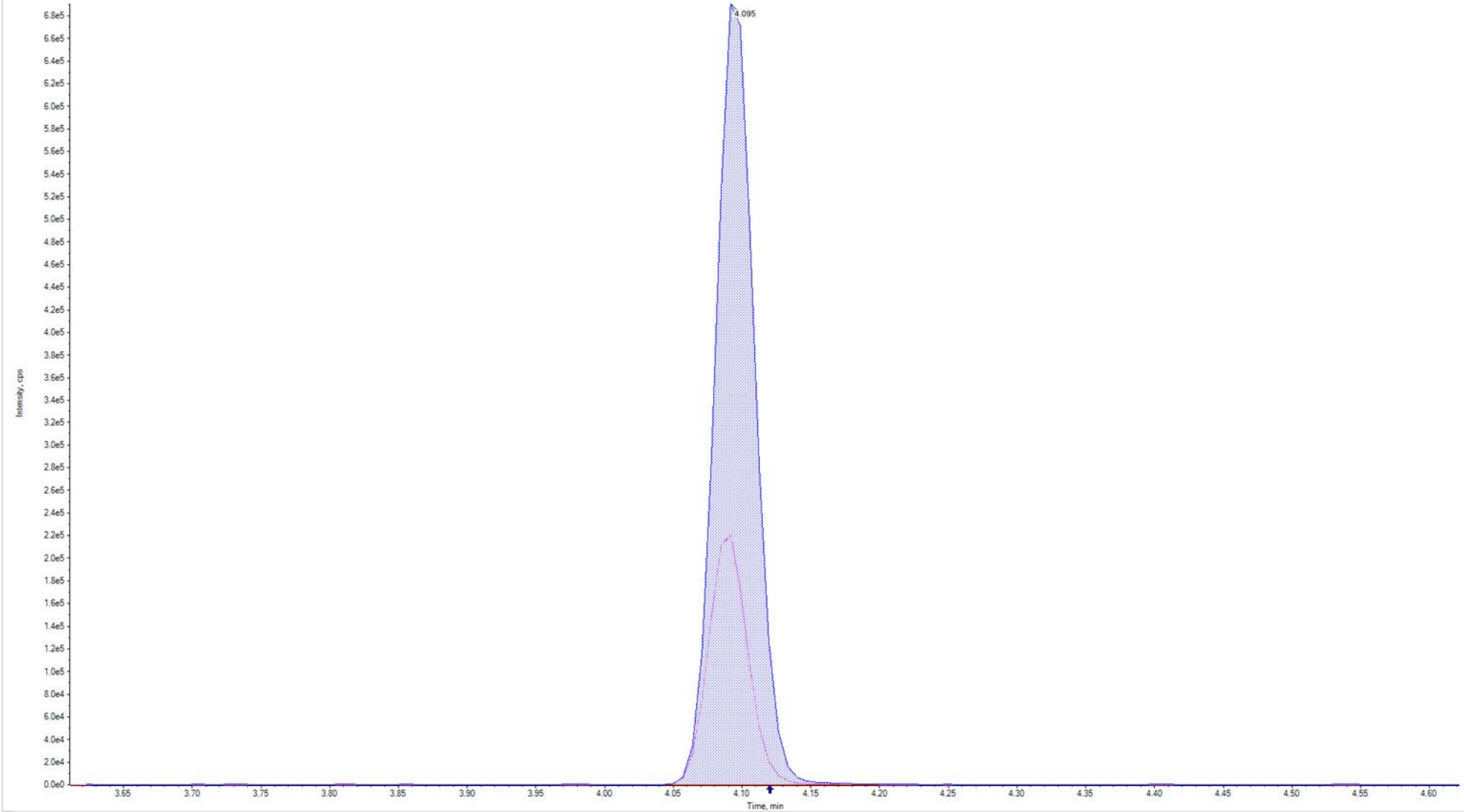
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFNA_2
Sample: IA1633STD-5.0 S/N:492.3 Points Across peak:74



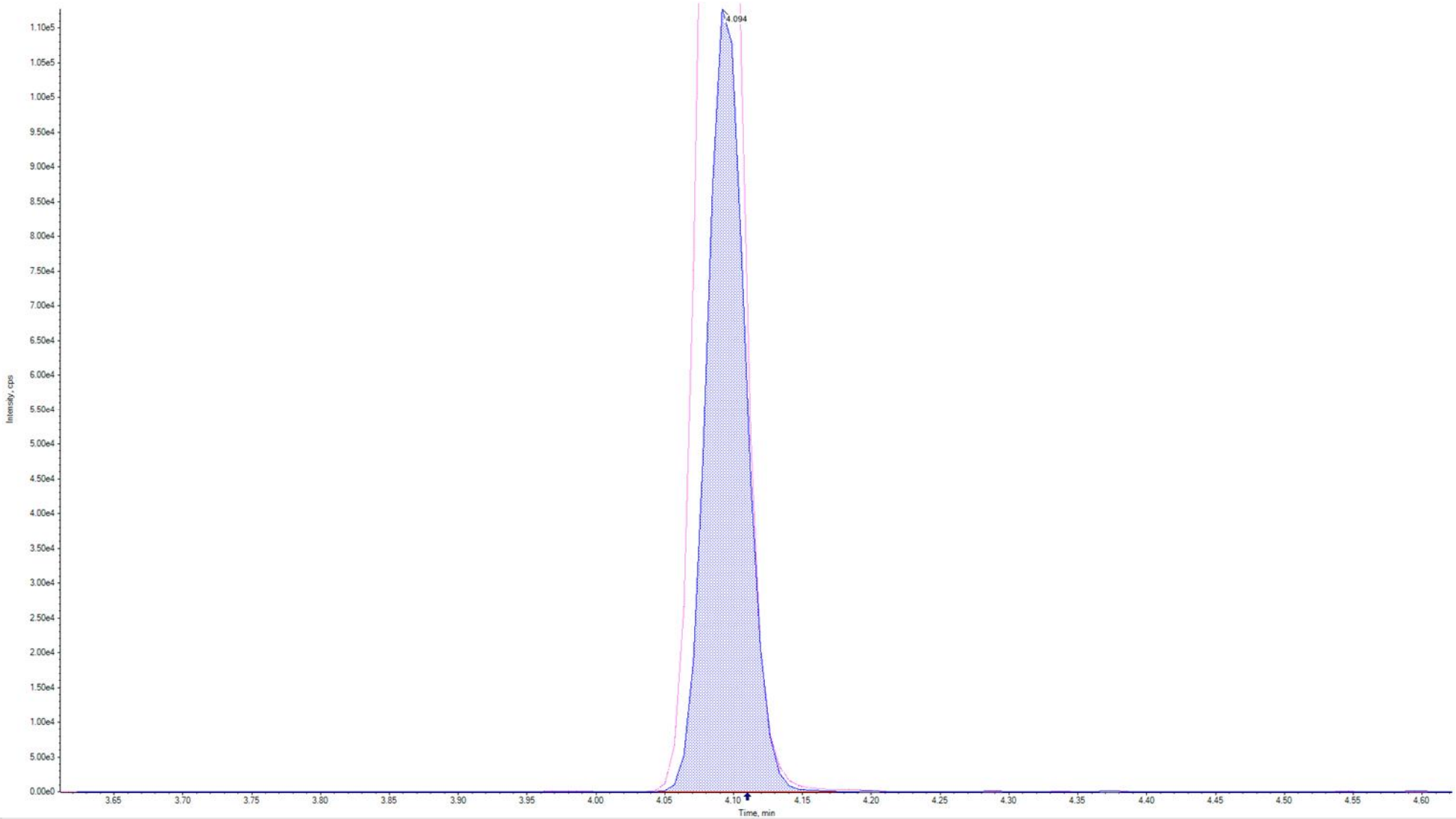
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDA
Sample: IA1633STD-5.0 S/N:13843.3 Points Across peak:24



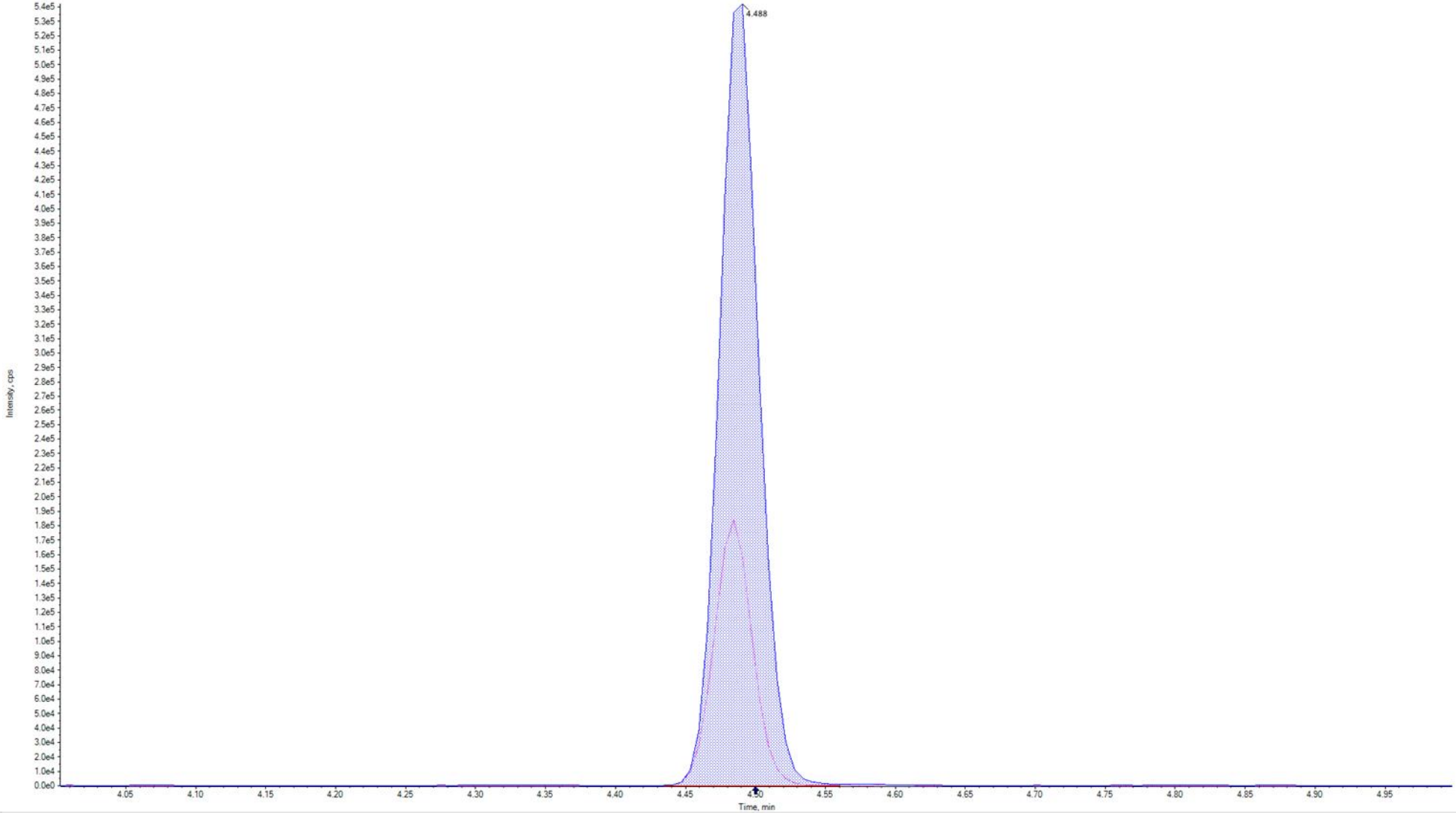
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDA_2
Sample: IA1633STD-5.0 S/N:2259.9 Points Across peak:22

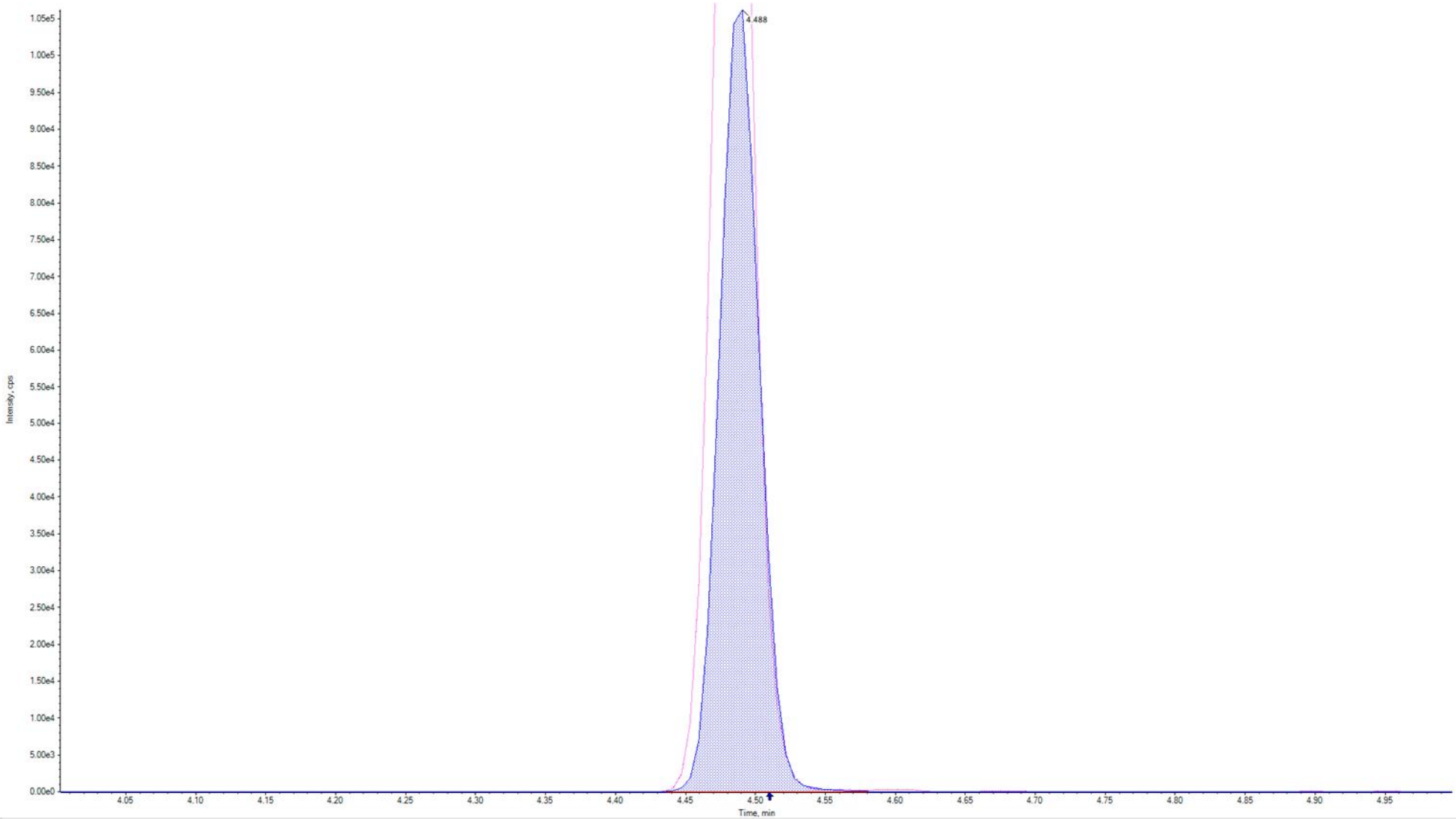


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFUnA
Sample: IA1633STD-5.0 S/N:6040.2 Points Across peak:22

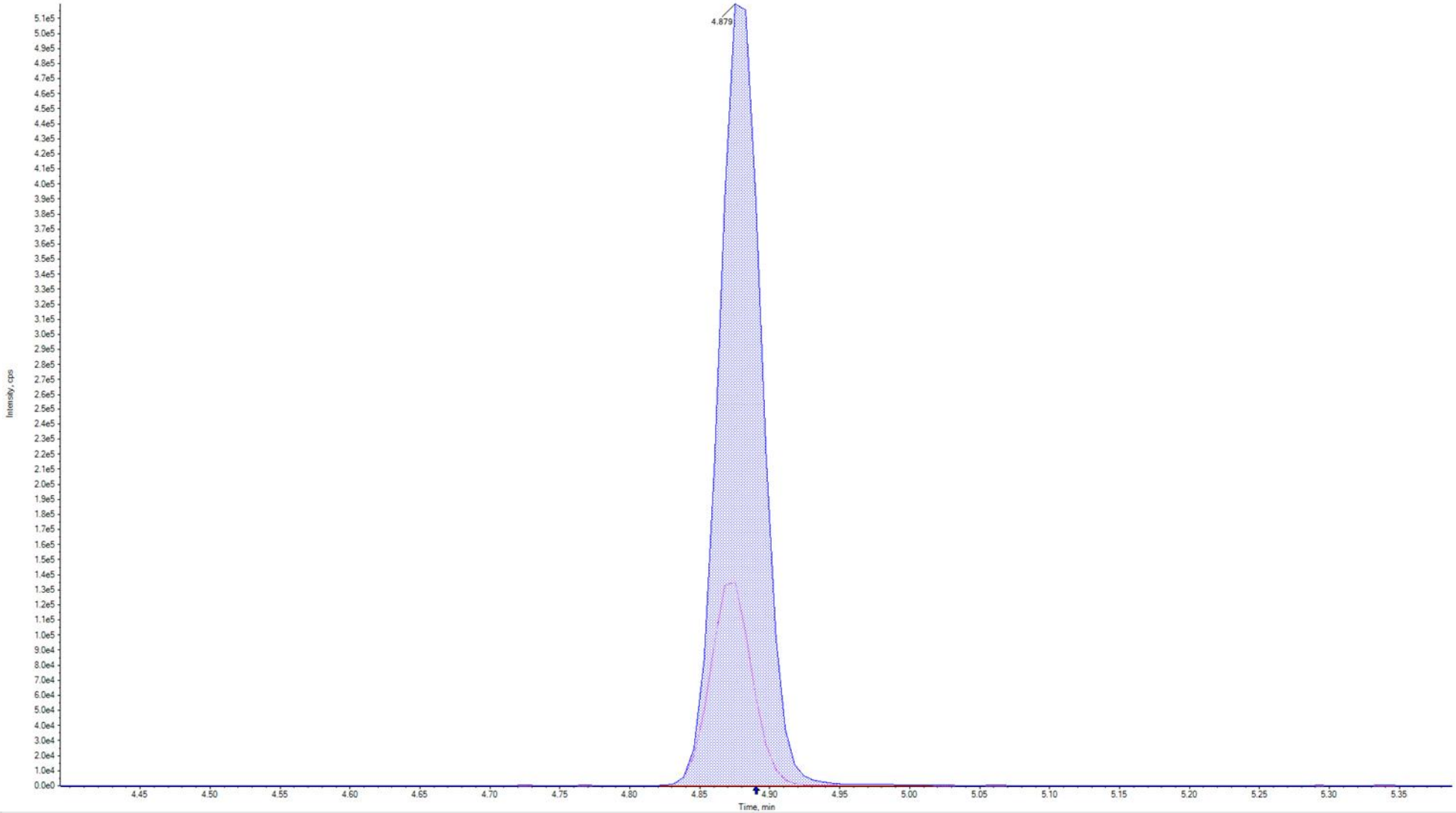


PFUnA_2
Sample: IA1633STD-5.0 S/N:2395.9 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDoA
Sample: IA1633STD-5.0 S/N:14325.8 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:19:49 PM
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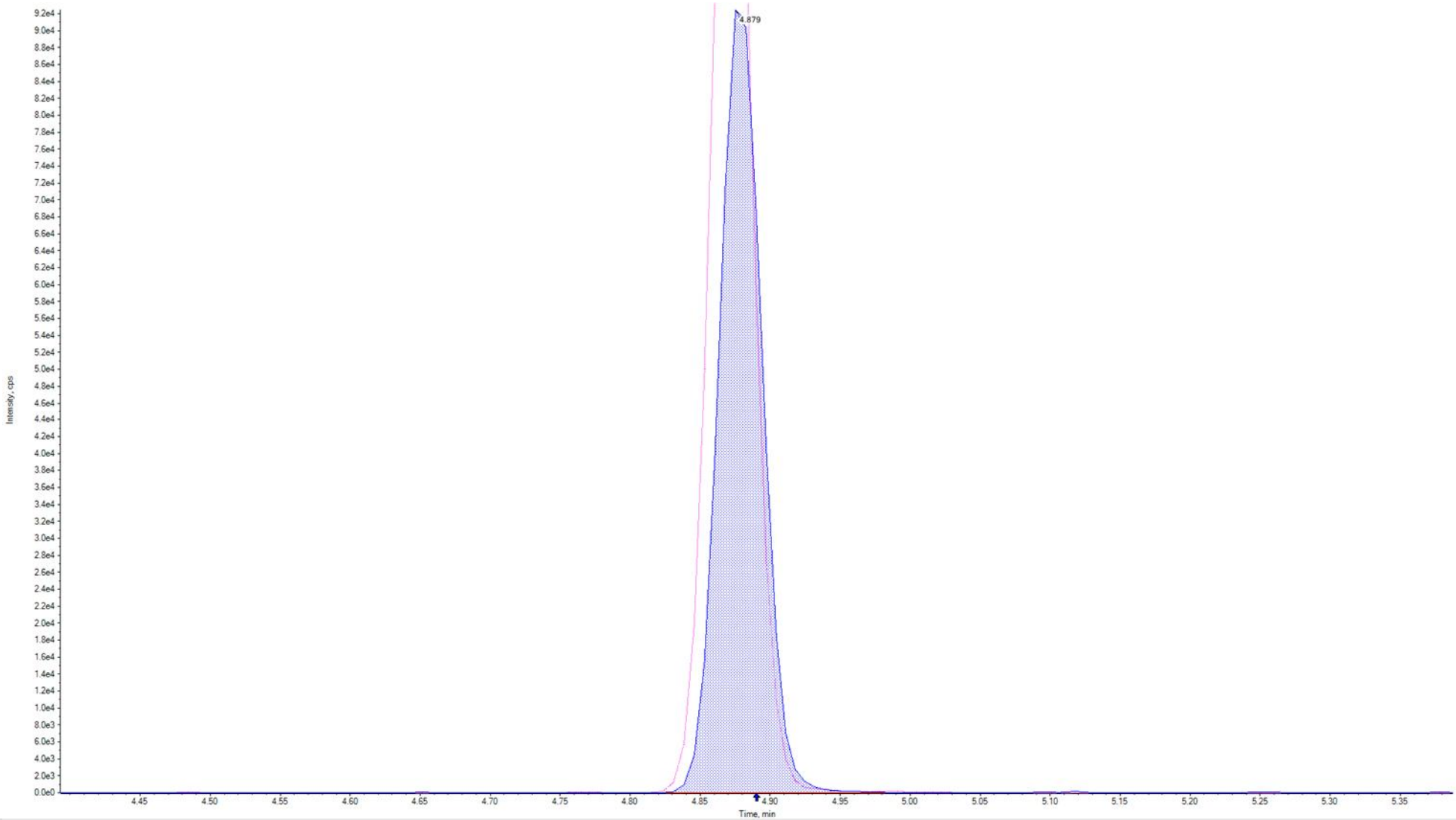
PFDoA_2
Sample: IA1633STD-5.0 S/N:2548.9 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:19:49 PM
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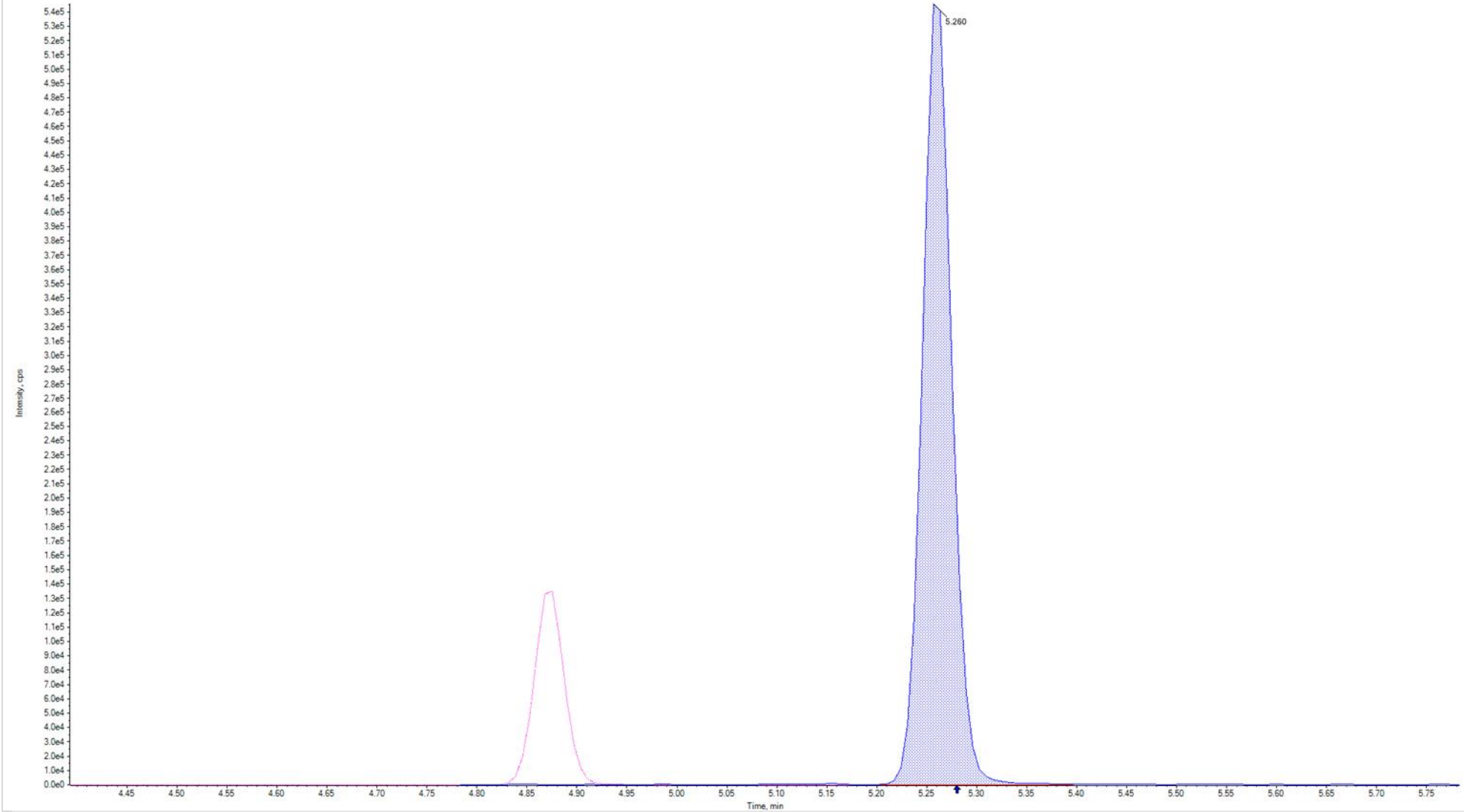
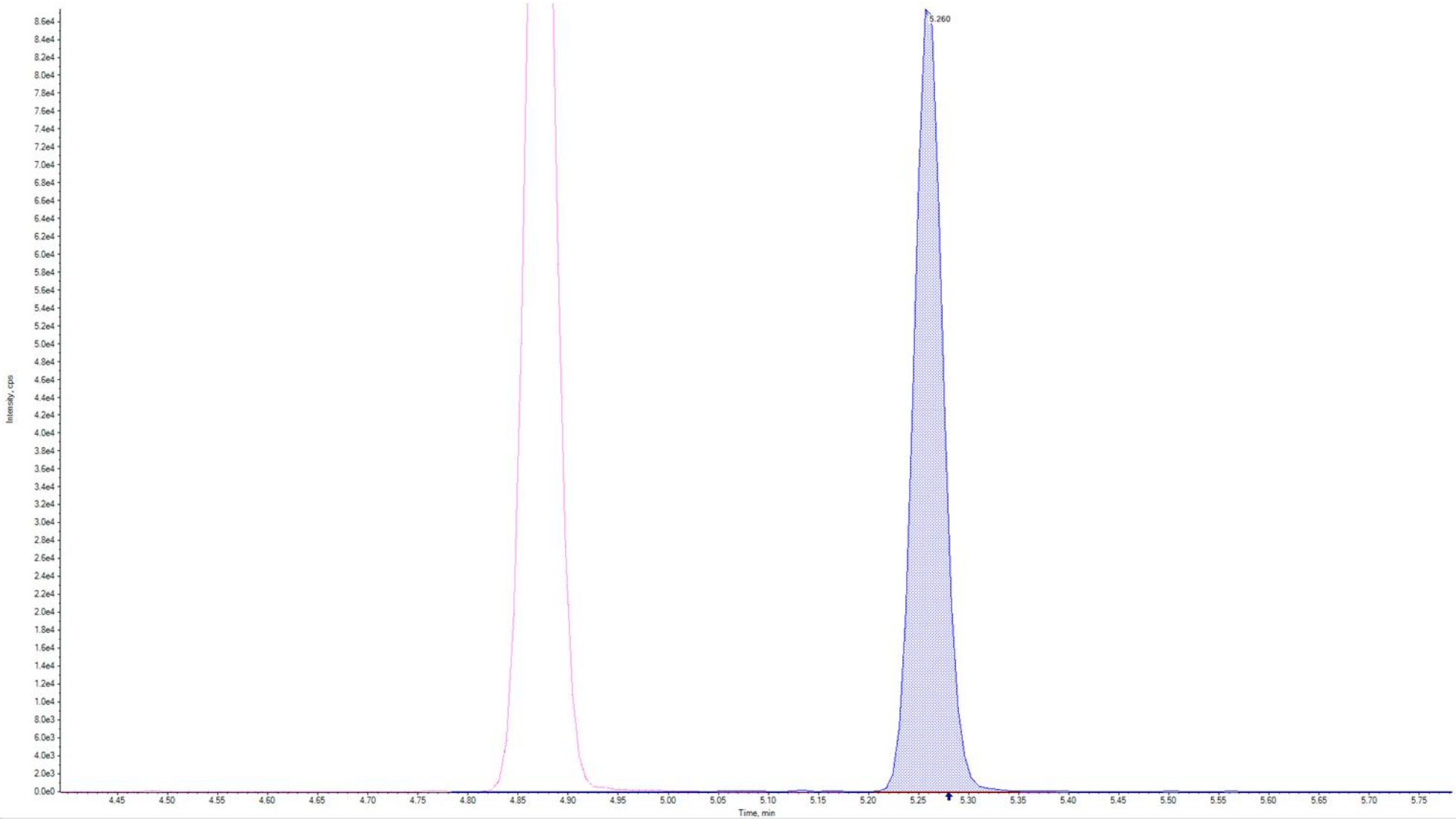
PFTrDA
Sample: IA1633STD-5.0 S/N:3759.8 Points Across peak:31



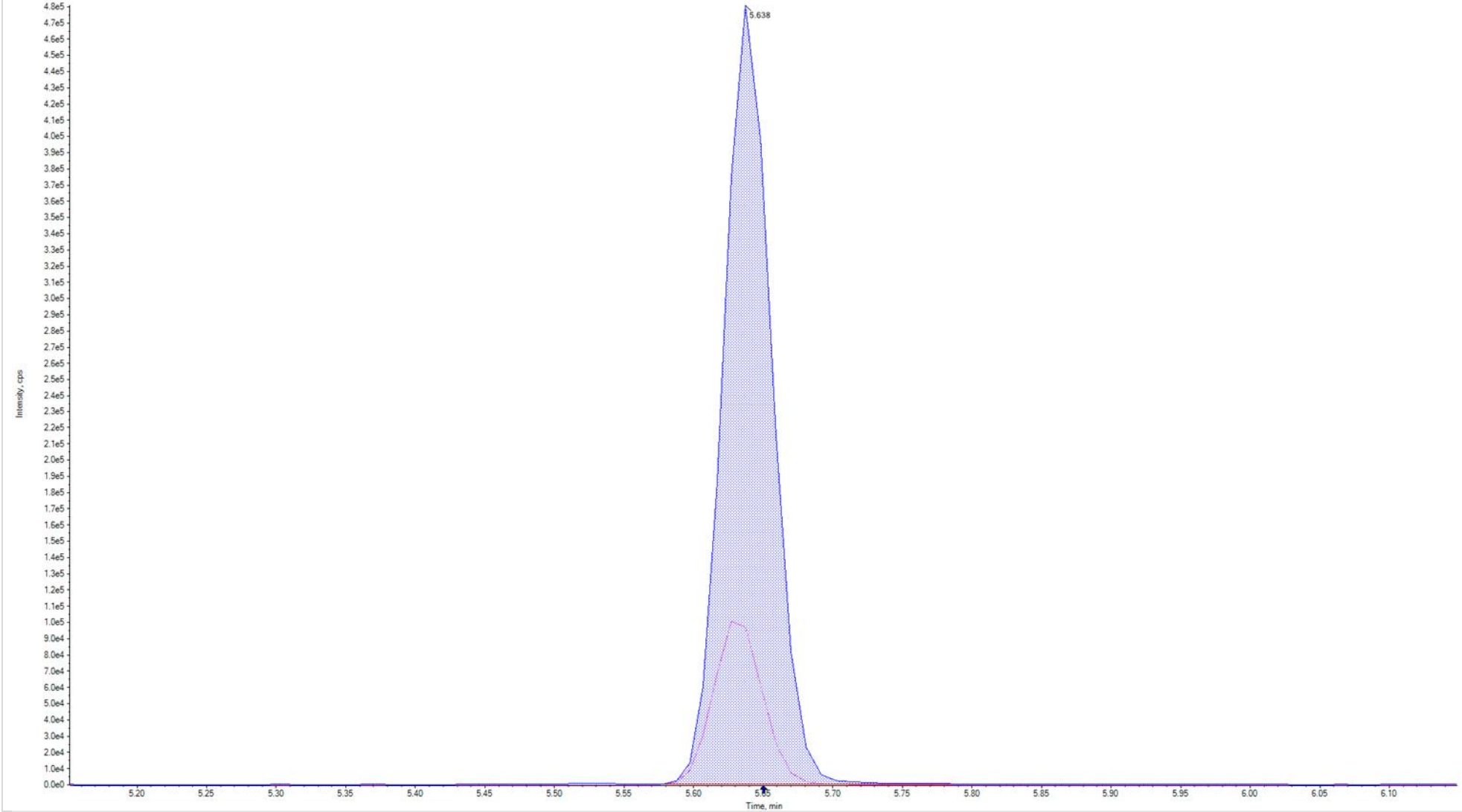
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFTrDA_2
Sample: IA1633STD-5.0 S/N:2788.3 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFTeDA
Sample: IA1633STD-5.0 S/N:2377.9 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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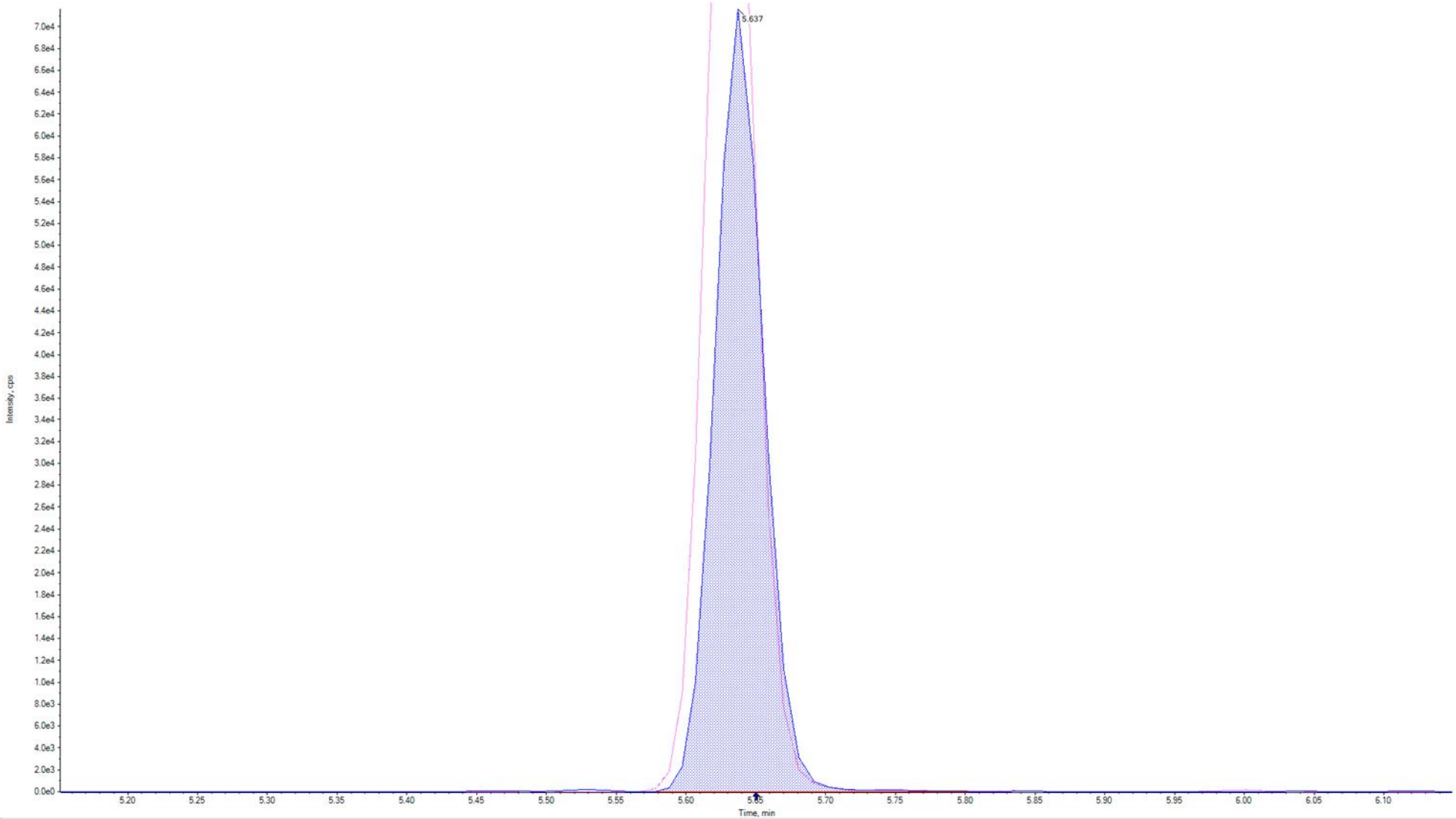
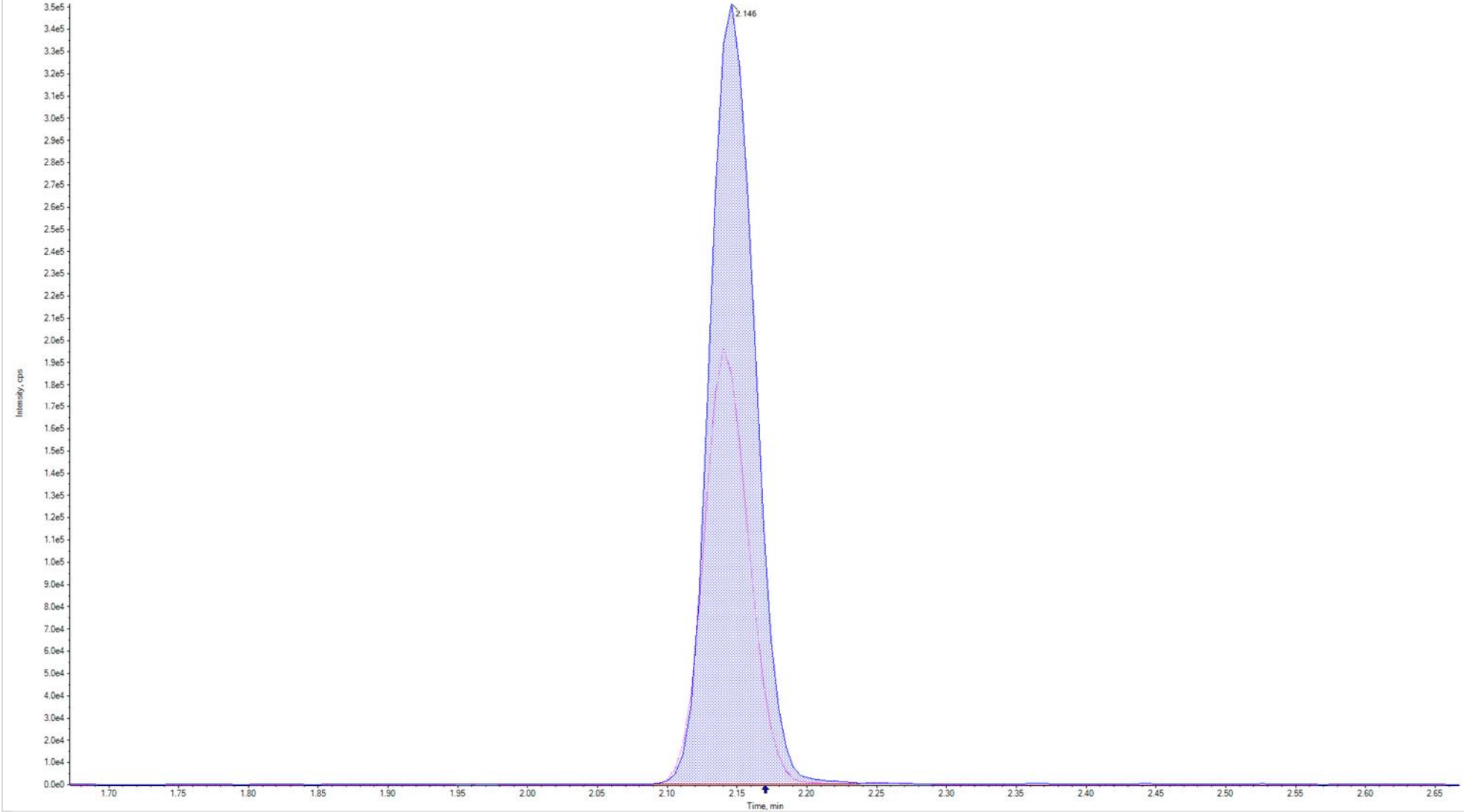
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFTeDA_2
Sample: IA1633STD-5.0 S/N:4486.4 Points Across peak:24



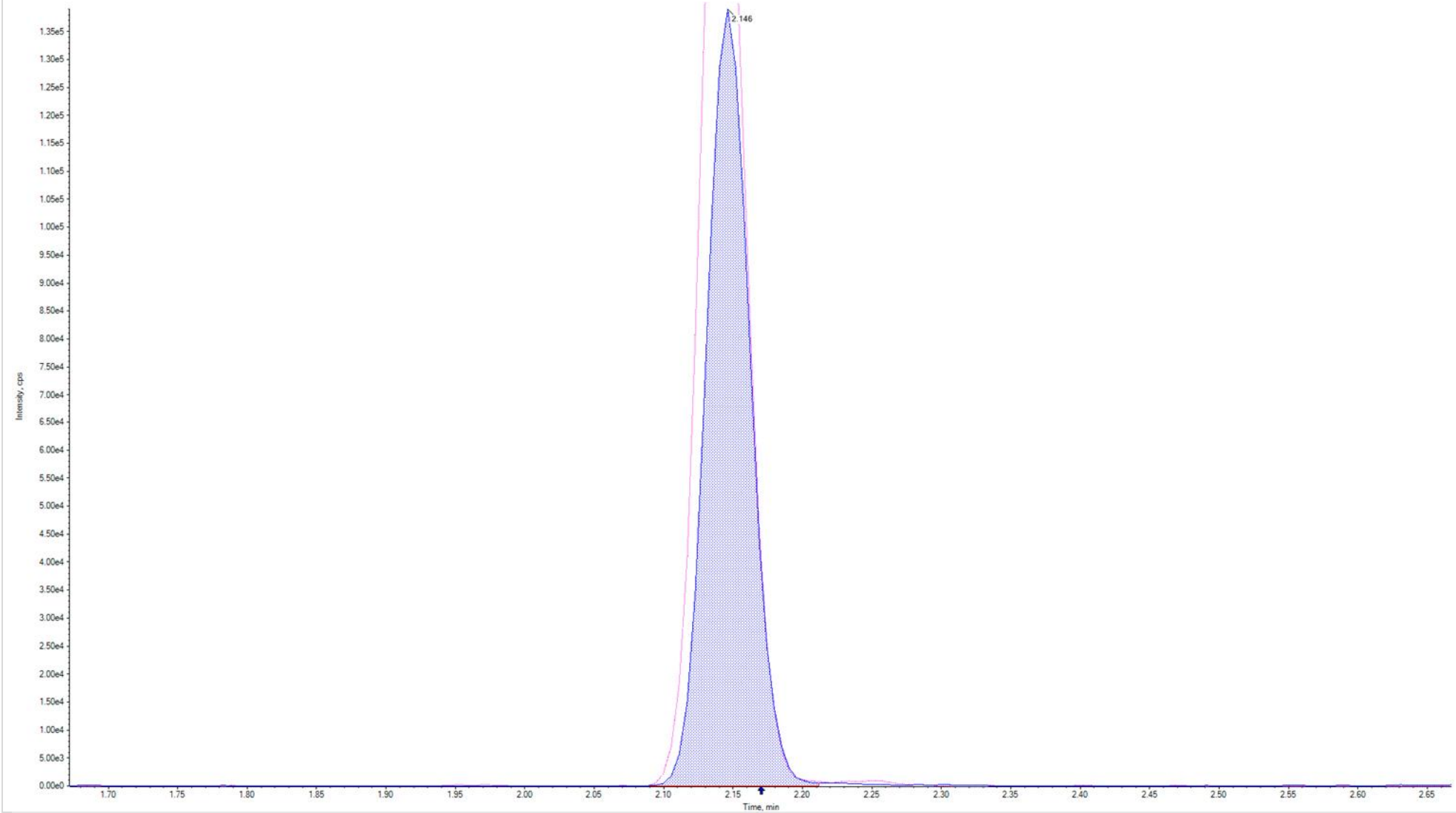
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFBS
Sample: IA1633STD-5.0 S/N:3805.3 Points Across peak:29



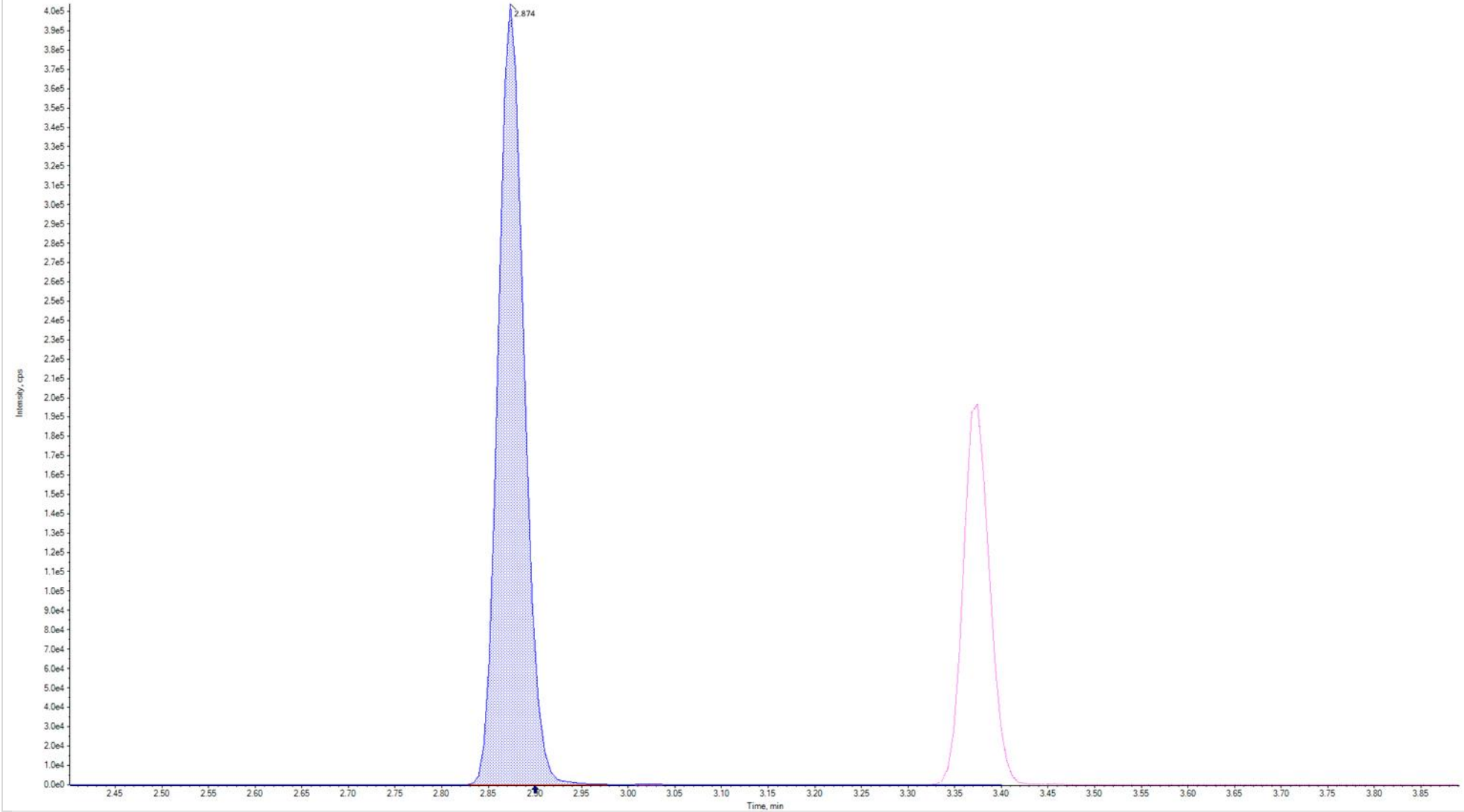
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFBS_2
Sample: IA1633STD-5.0 S/N:3484.0 Points Across peak:25



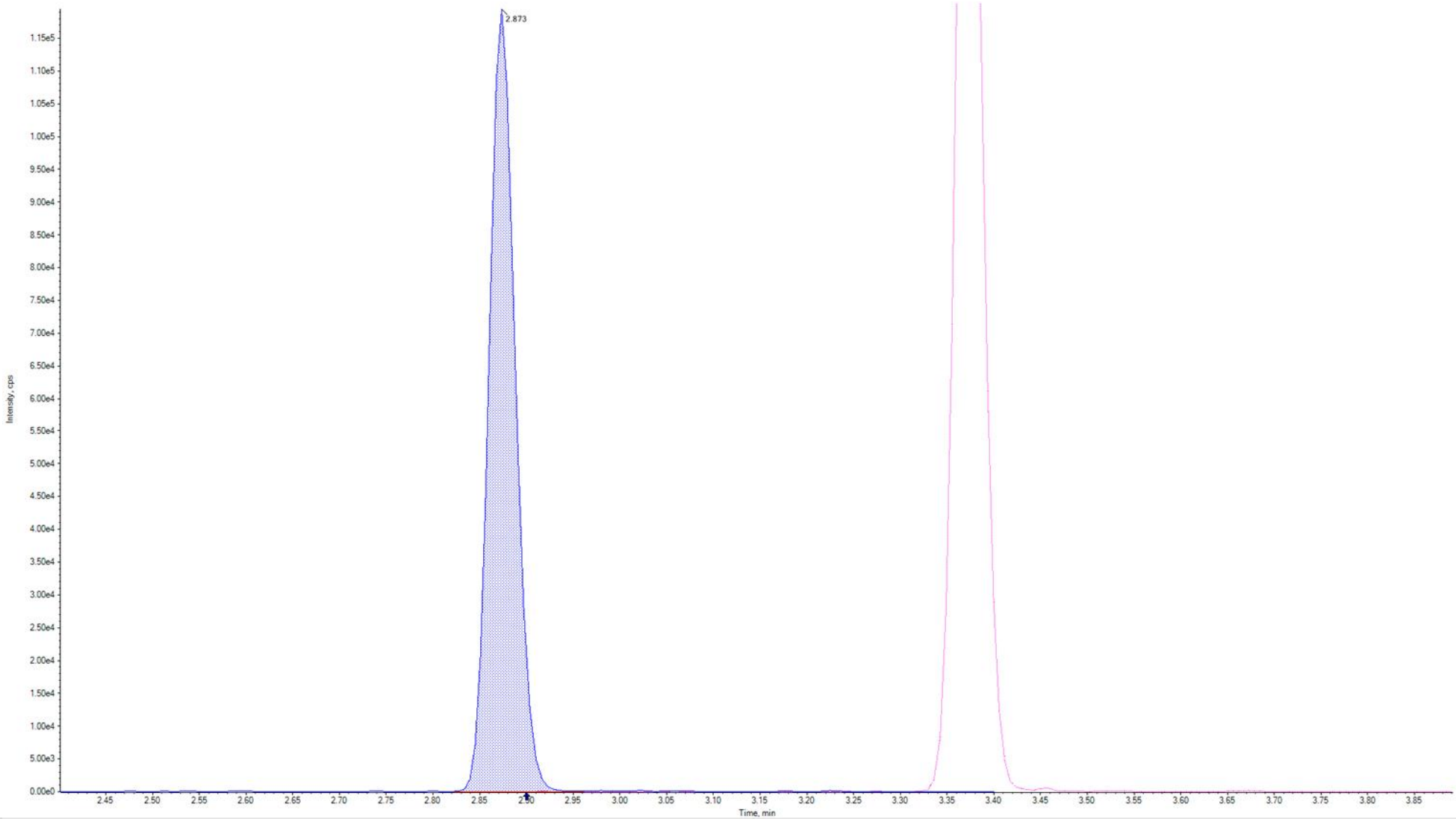
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFPeS
Sample: IA1633STD-5.0 S/N:4610.7 Points Across peak:33

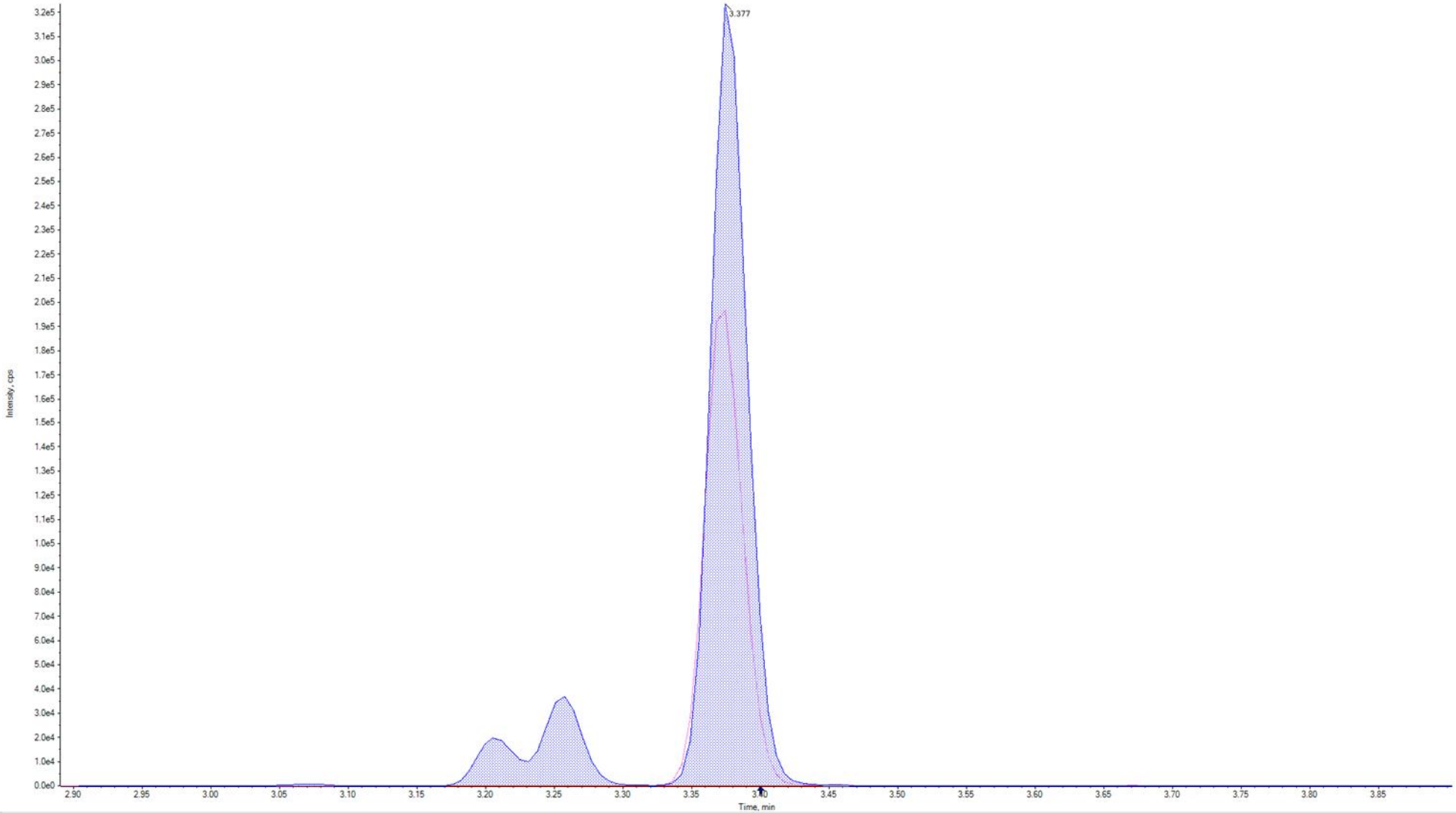


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFPeS_2
Sample: IA1633STD-5.0 S/N:2394.9 Points Across peak:26



PFHxS
Sample: IA1633STD-5.0 S/N:1070.8 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:19:49 PM
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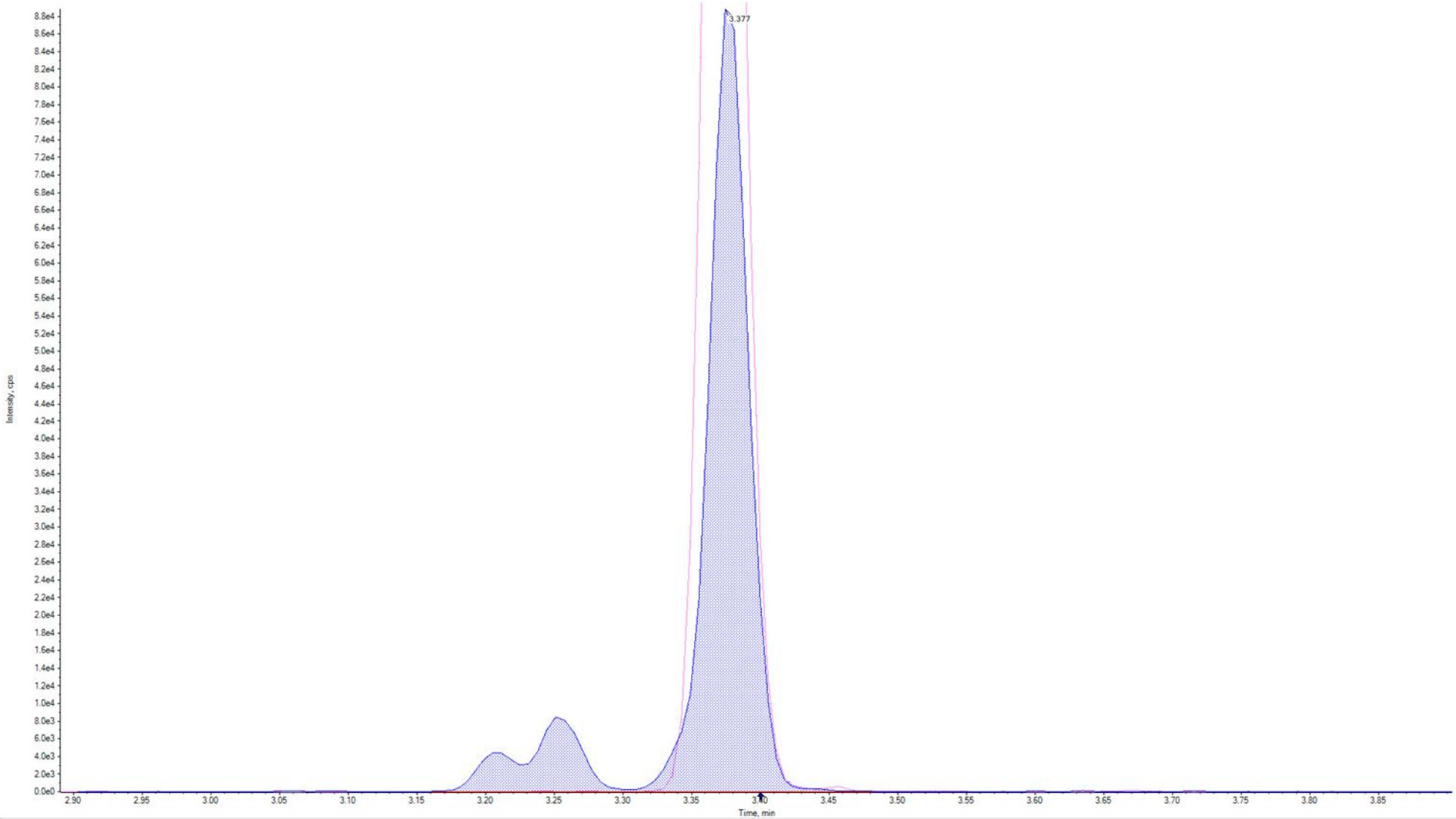
PFHxS_2
Sample: IA1633STD-5.0 S/N:1052.3 Points Across peak:54



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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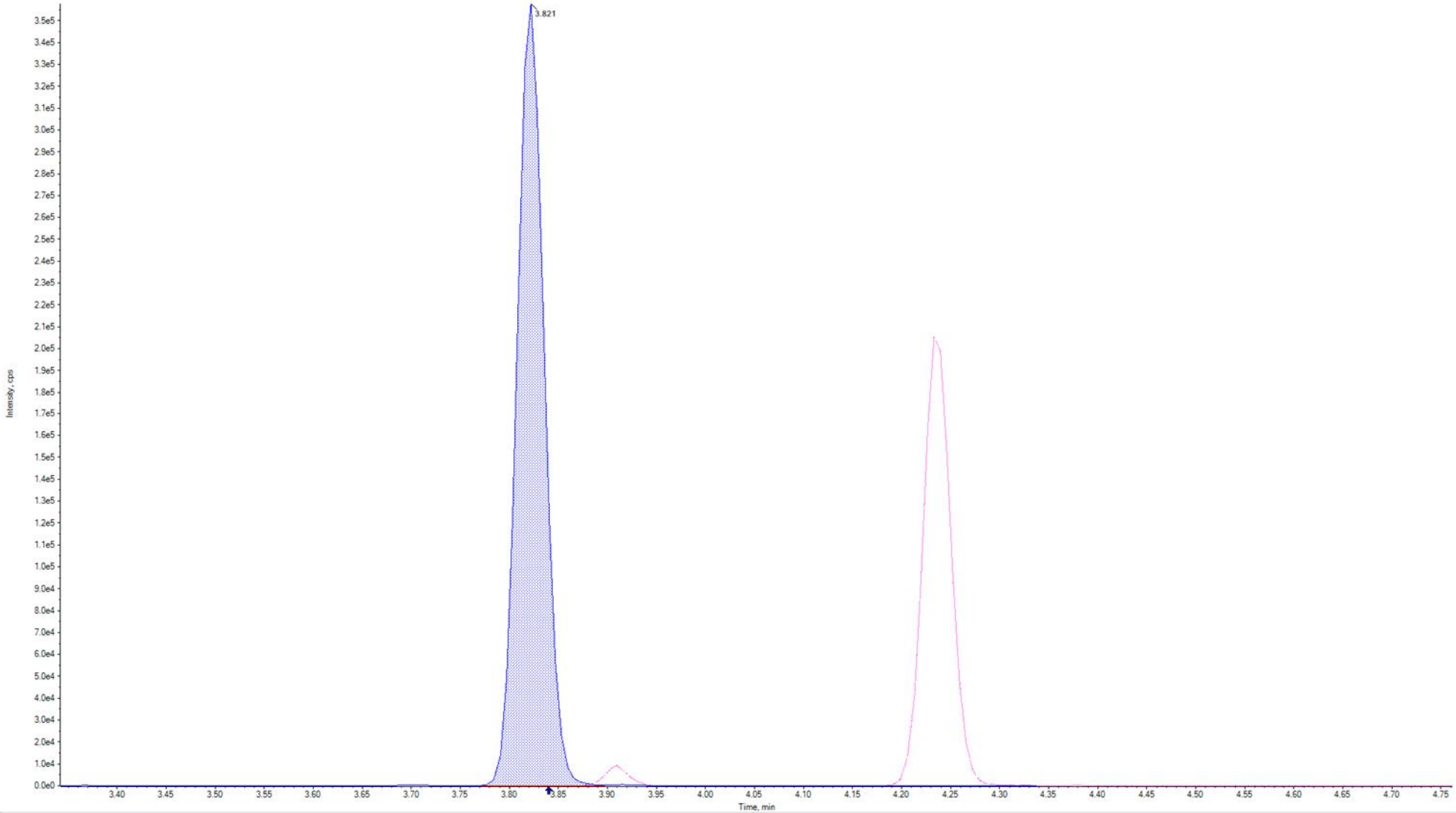
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFHpS
Sample: IA1633STD-5.0 S/N:7171.8 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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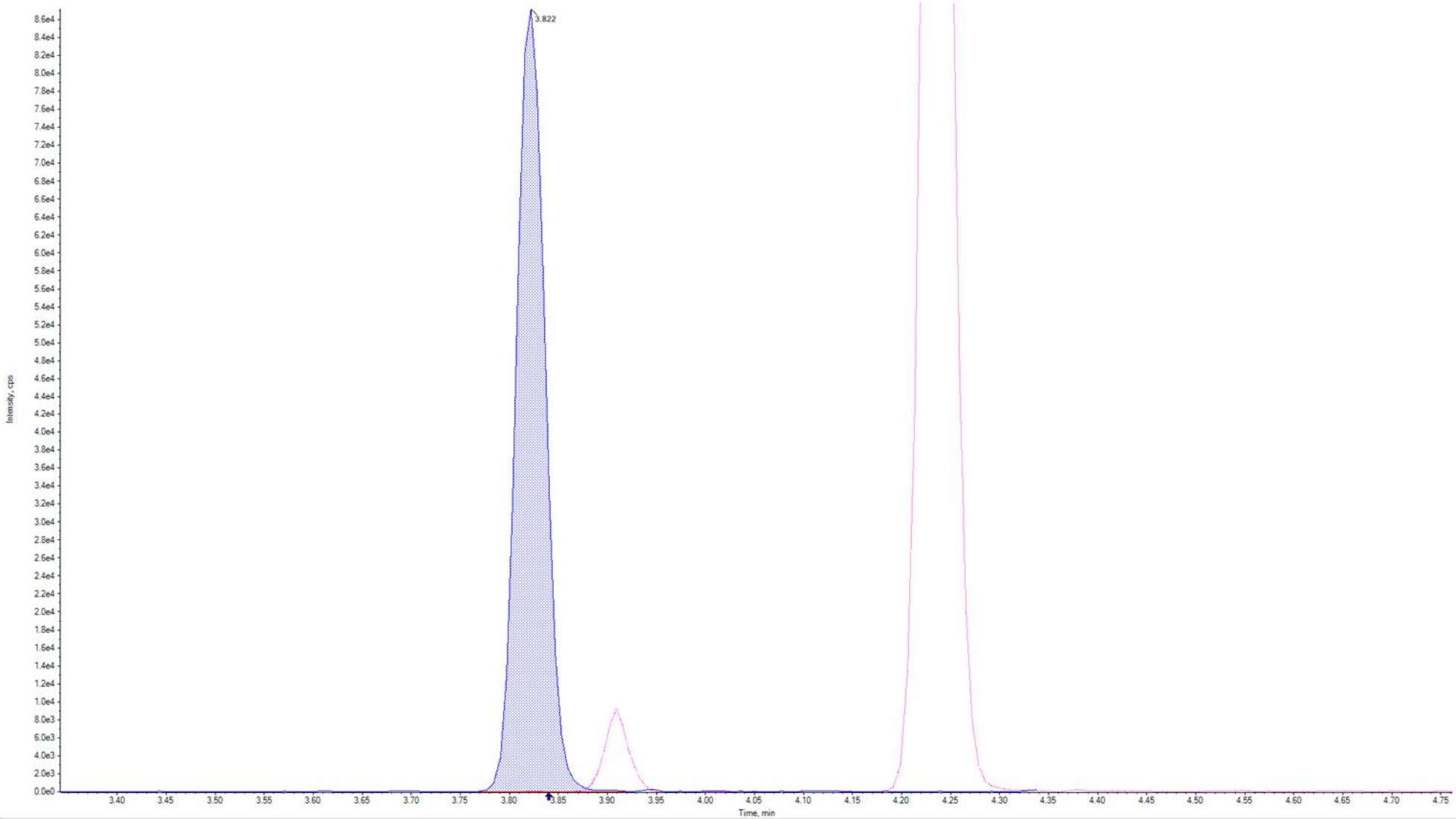
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFHpS_2
Sample: IA1633STD-5.0 S/N:1747.4 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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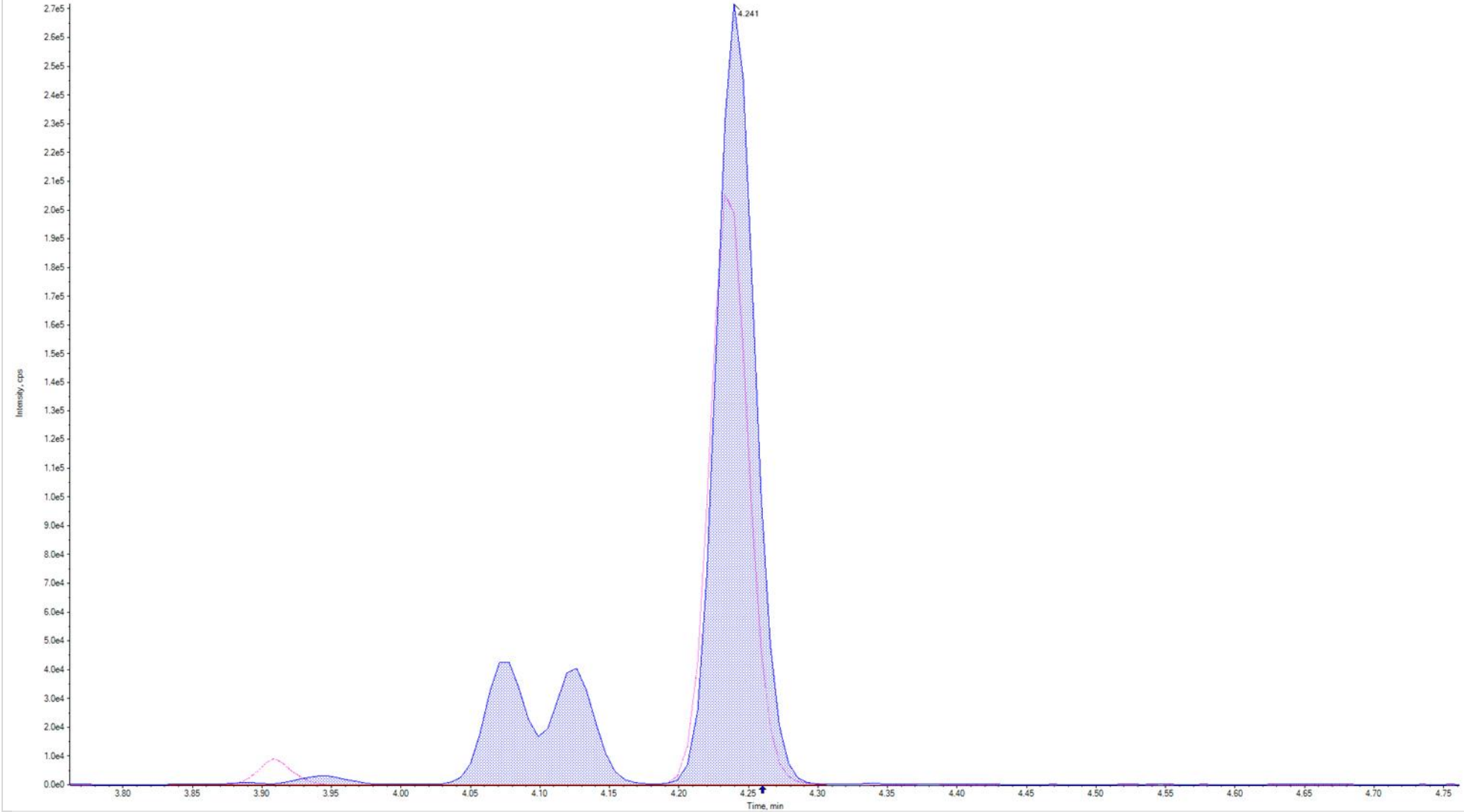
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOS
Sample: IA1633STD-5.0 S/N:506.1 Points Across peak:81



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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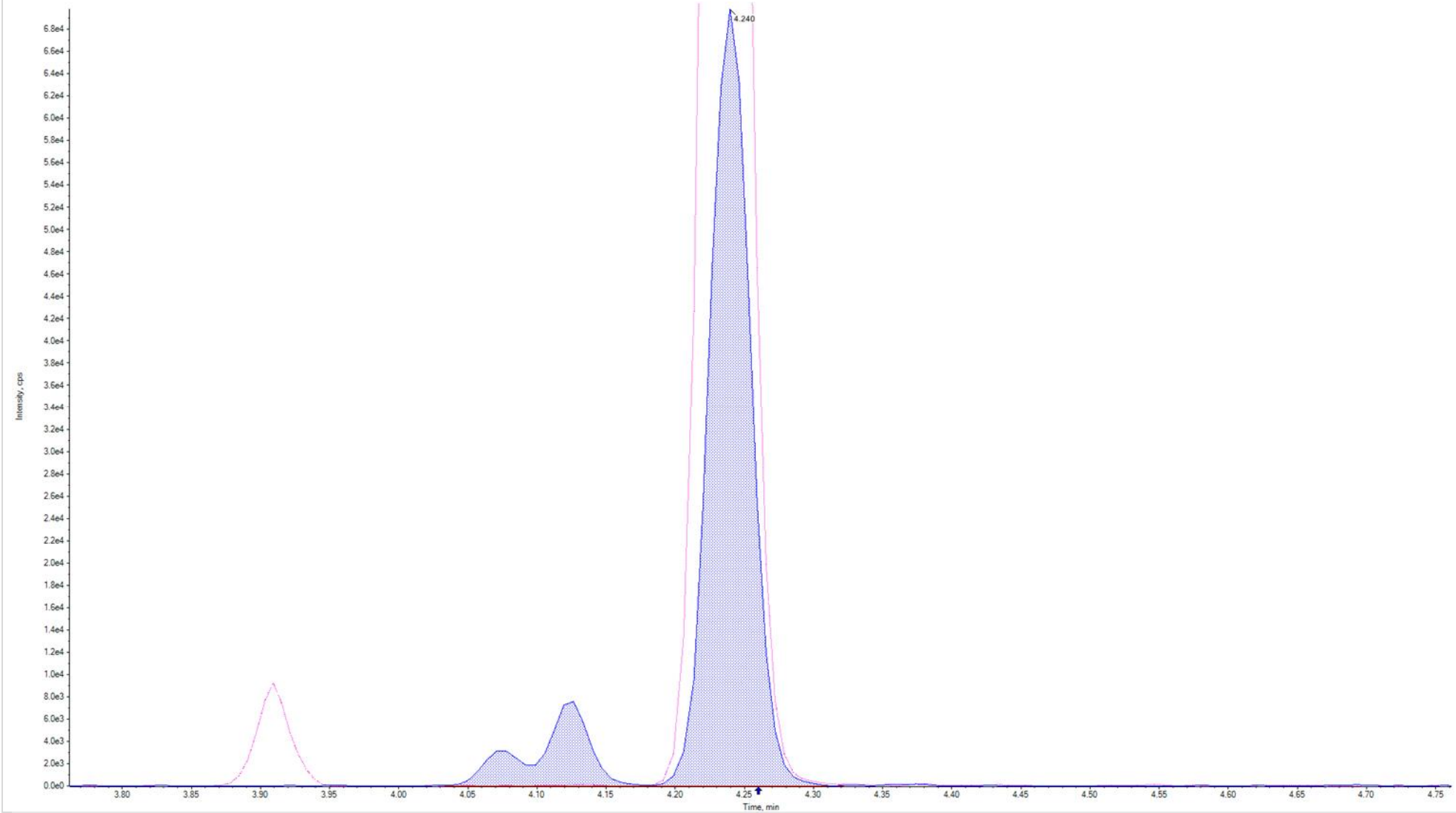
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOS_2
Sample: IA1633STD-5.0 S/N:859.1 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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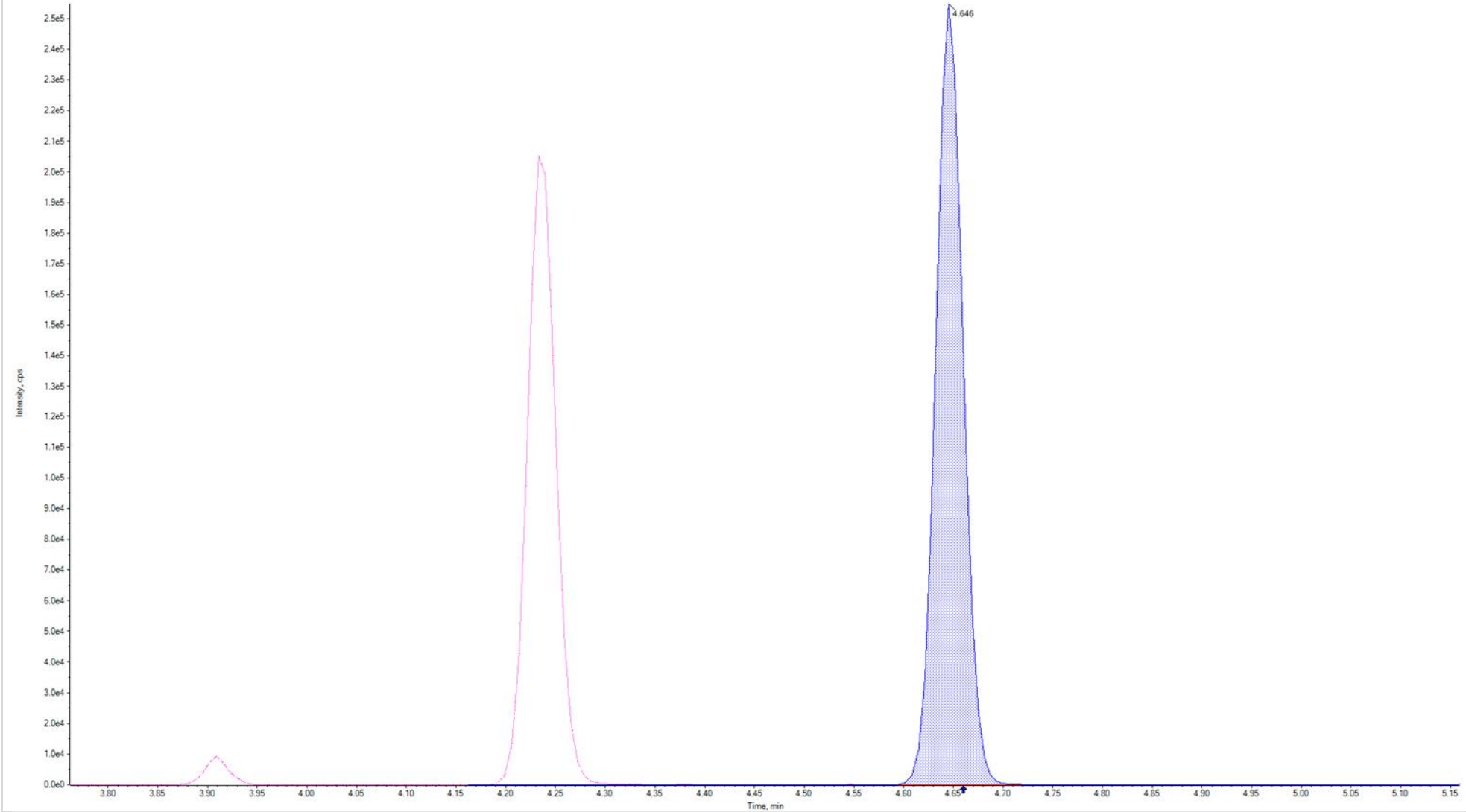
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFNS
Sample: IA1633STD-5.0 S/N:4277.0 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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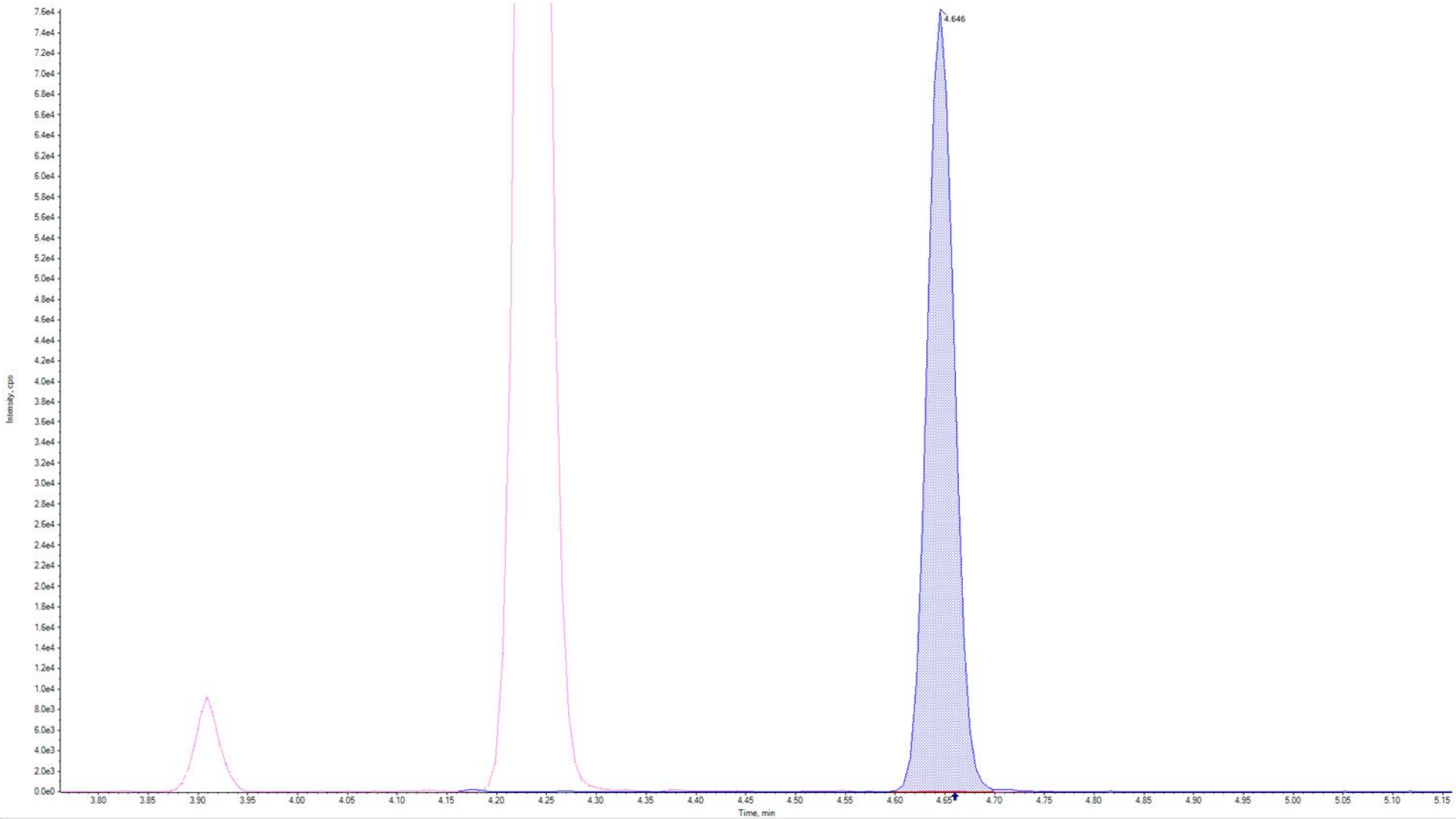
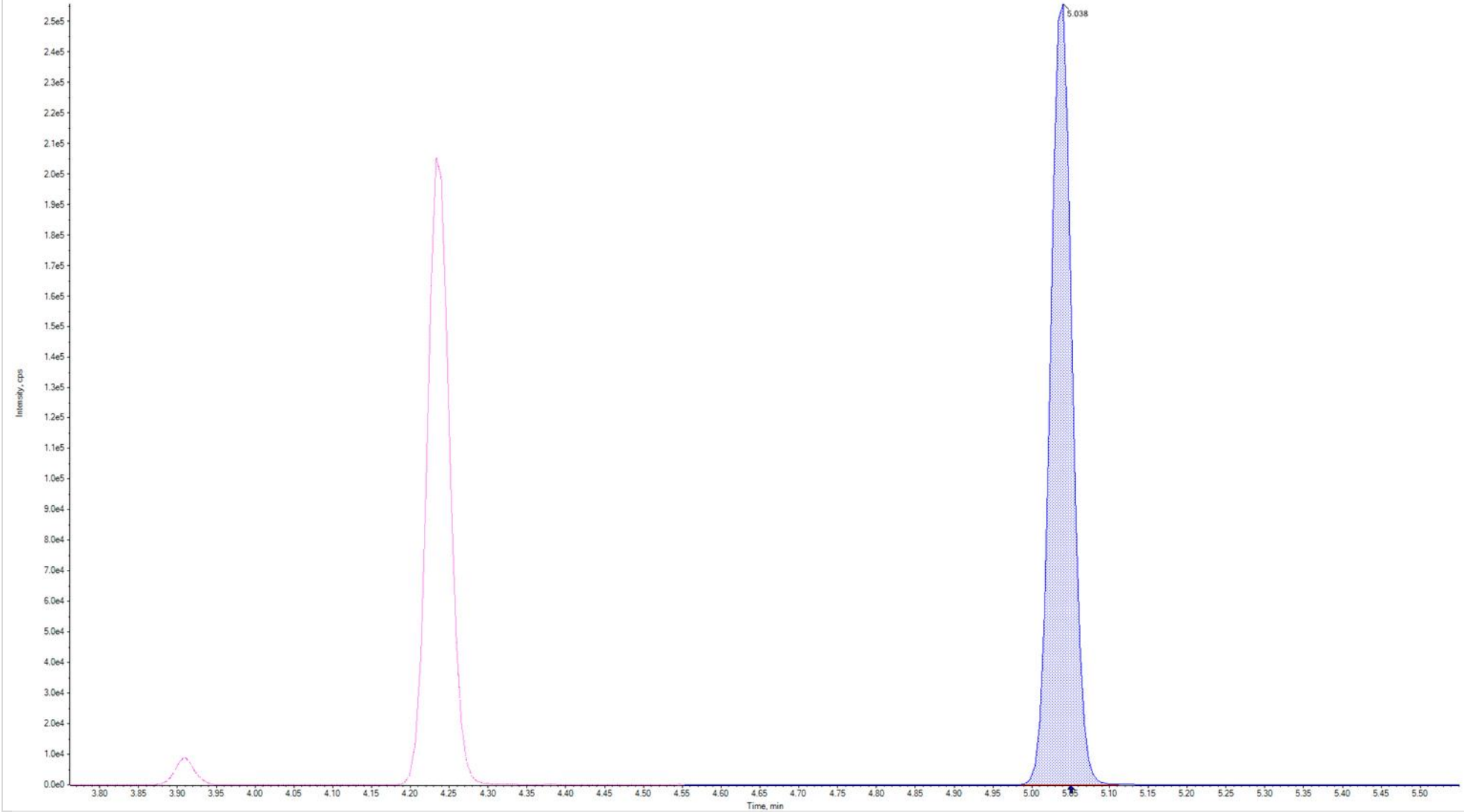
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFNS_2
Sample: IA1633STD-5.0 S/N:1912.4 Points Across peak:25



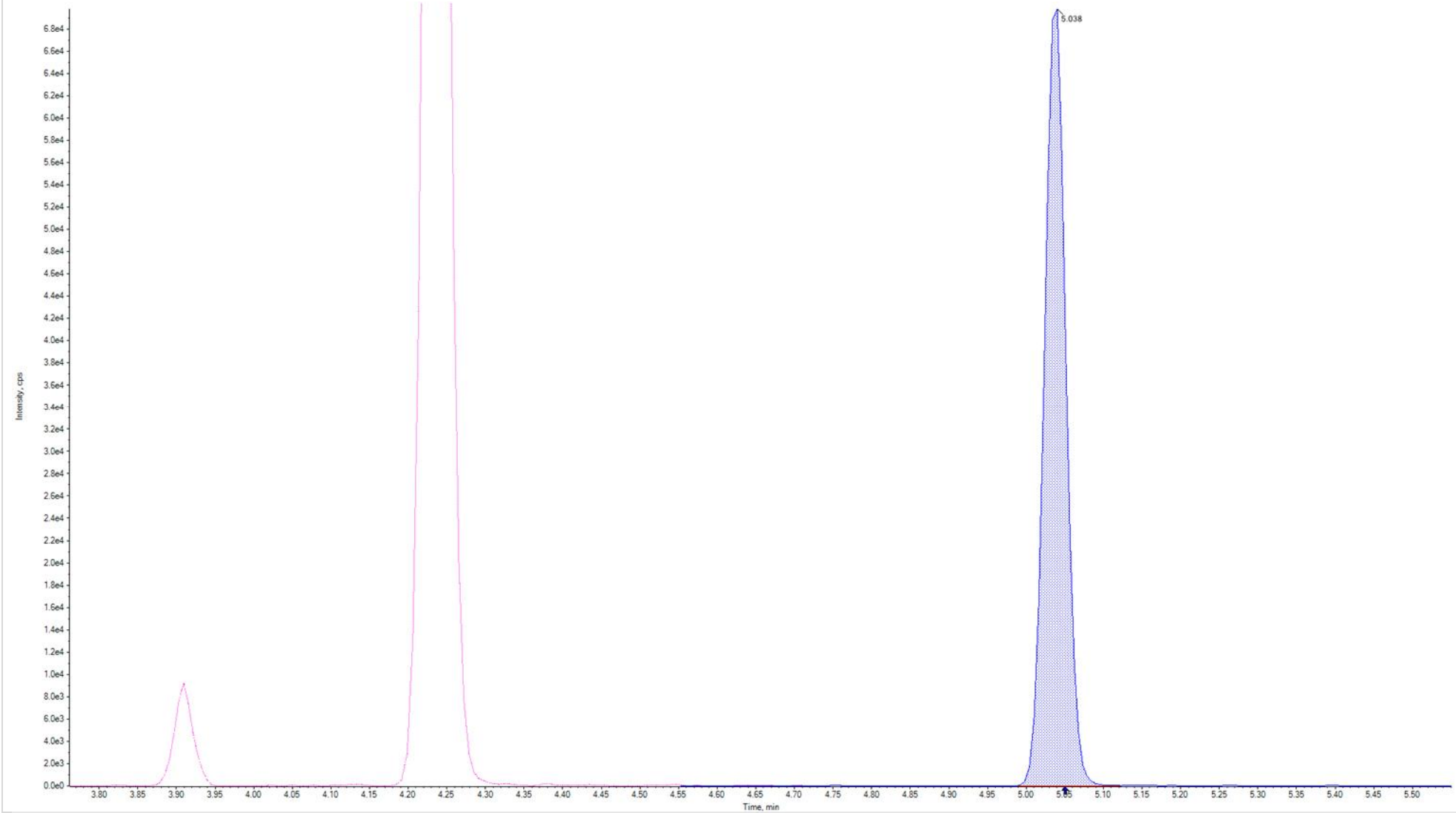
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDS
Sample: IA1633STD-5.0 S/N:5083.2 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDS_2
Sample: IA1633STD-5.0 S/N:2448.4 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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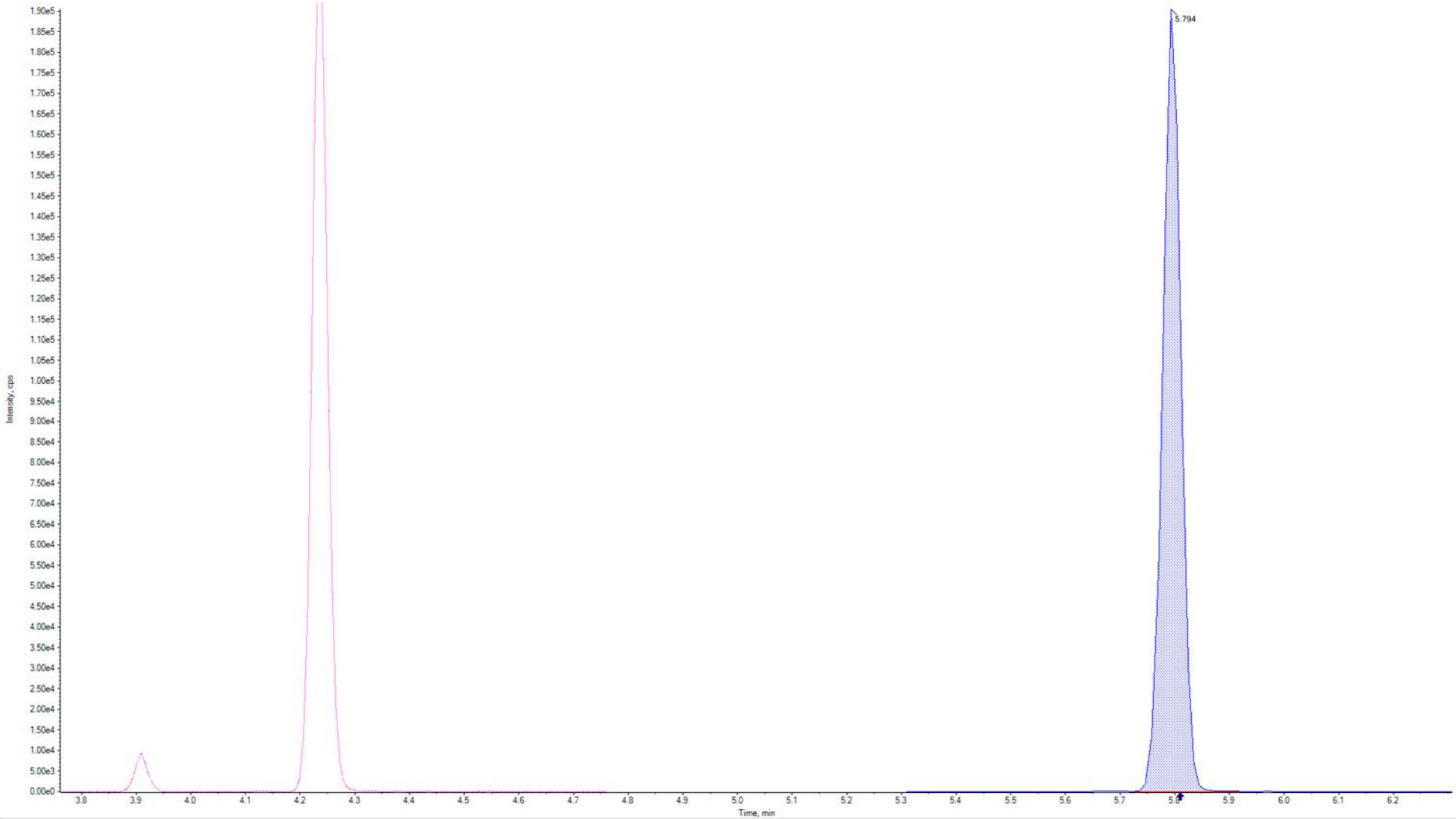
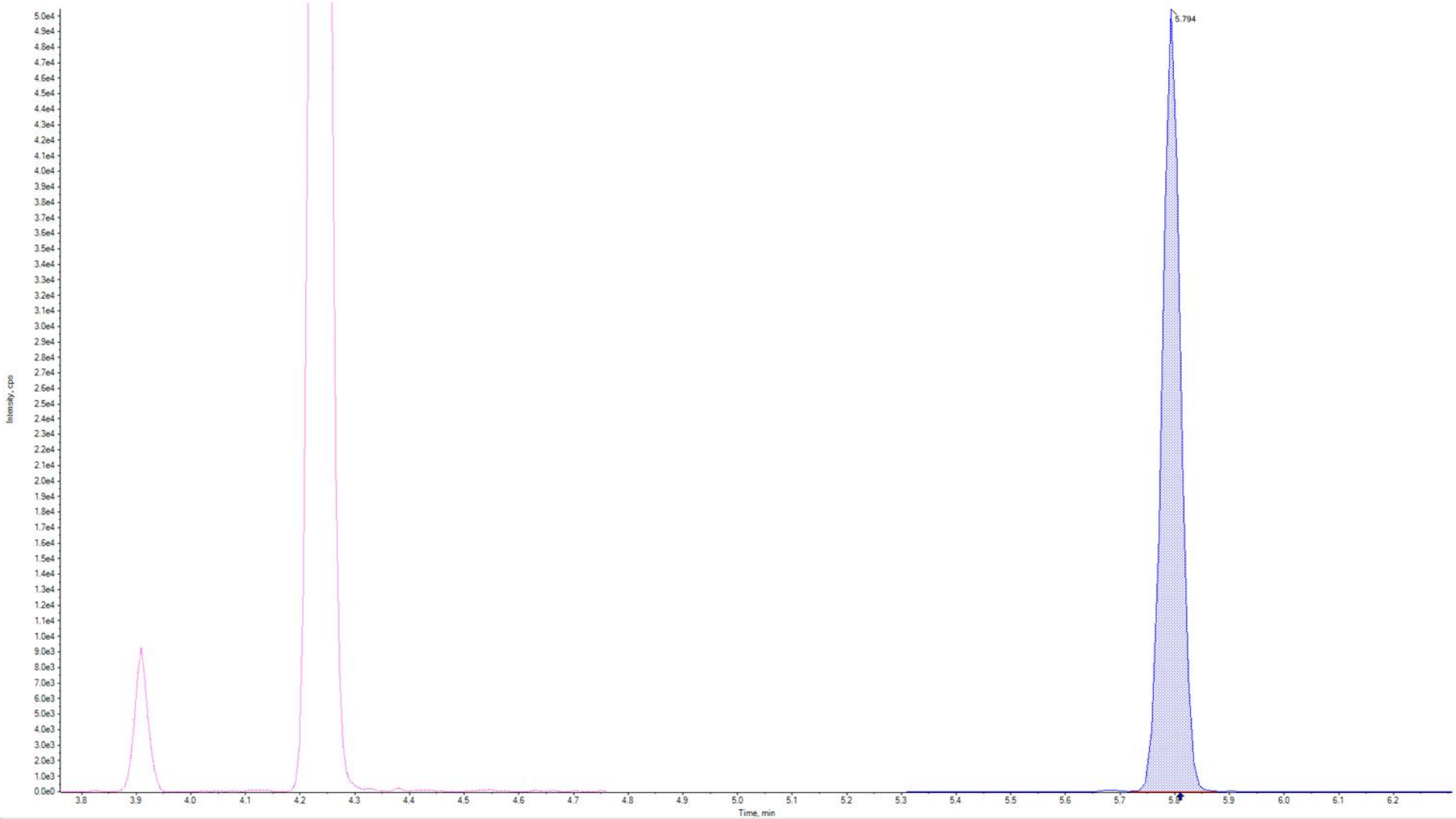
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDoS
Sample: IA1633STD-5.0 S/N:14800.7 Points Across peak:22

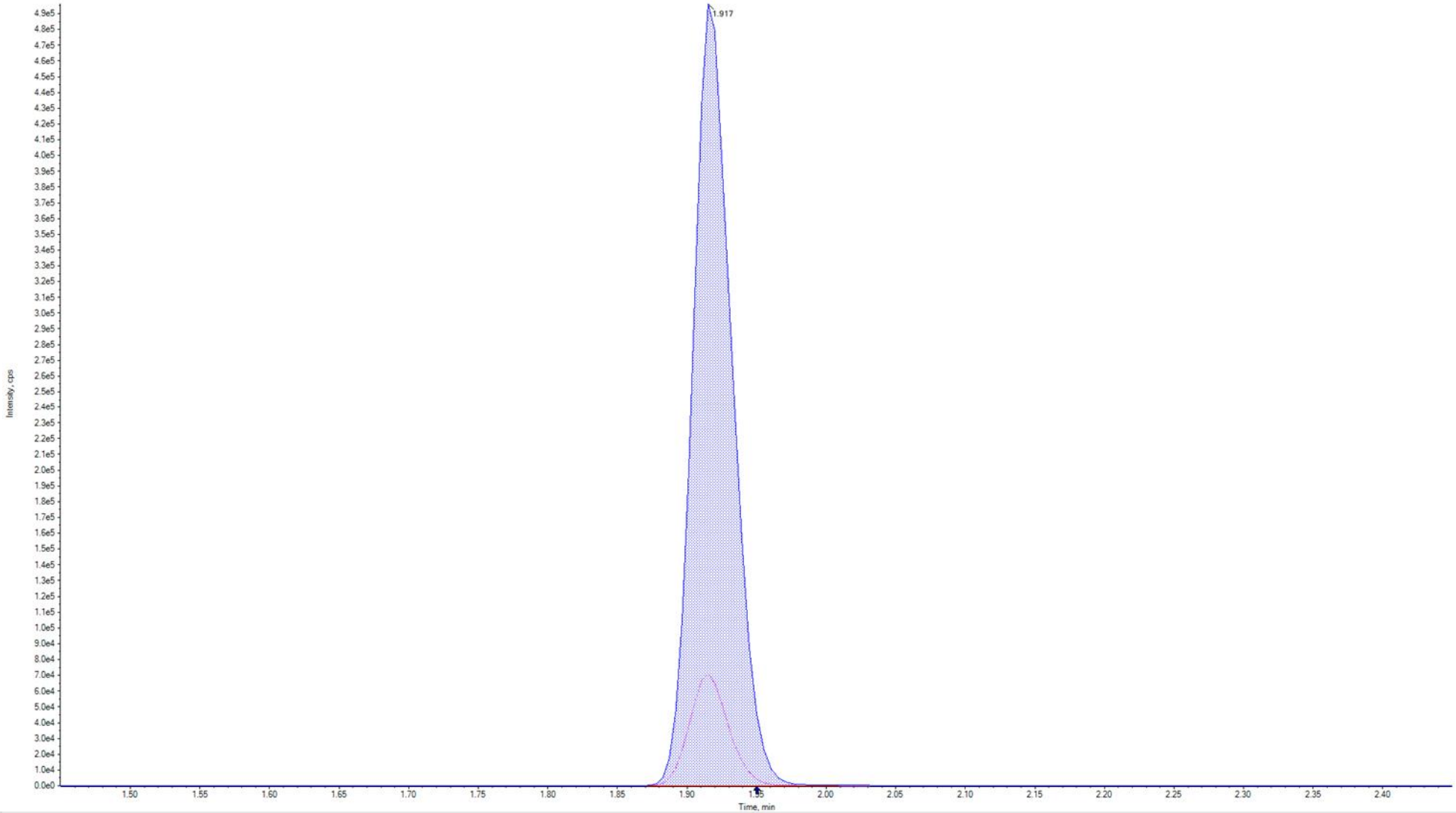


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDoS_2
Sample: IA1633STD-5.0 S/N:2598.0 Points Across peak:17

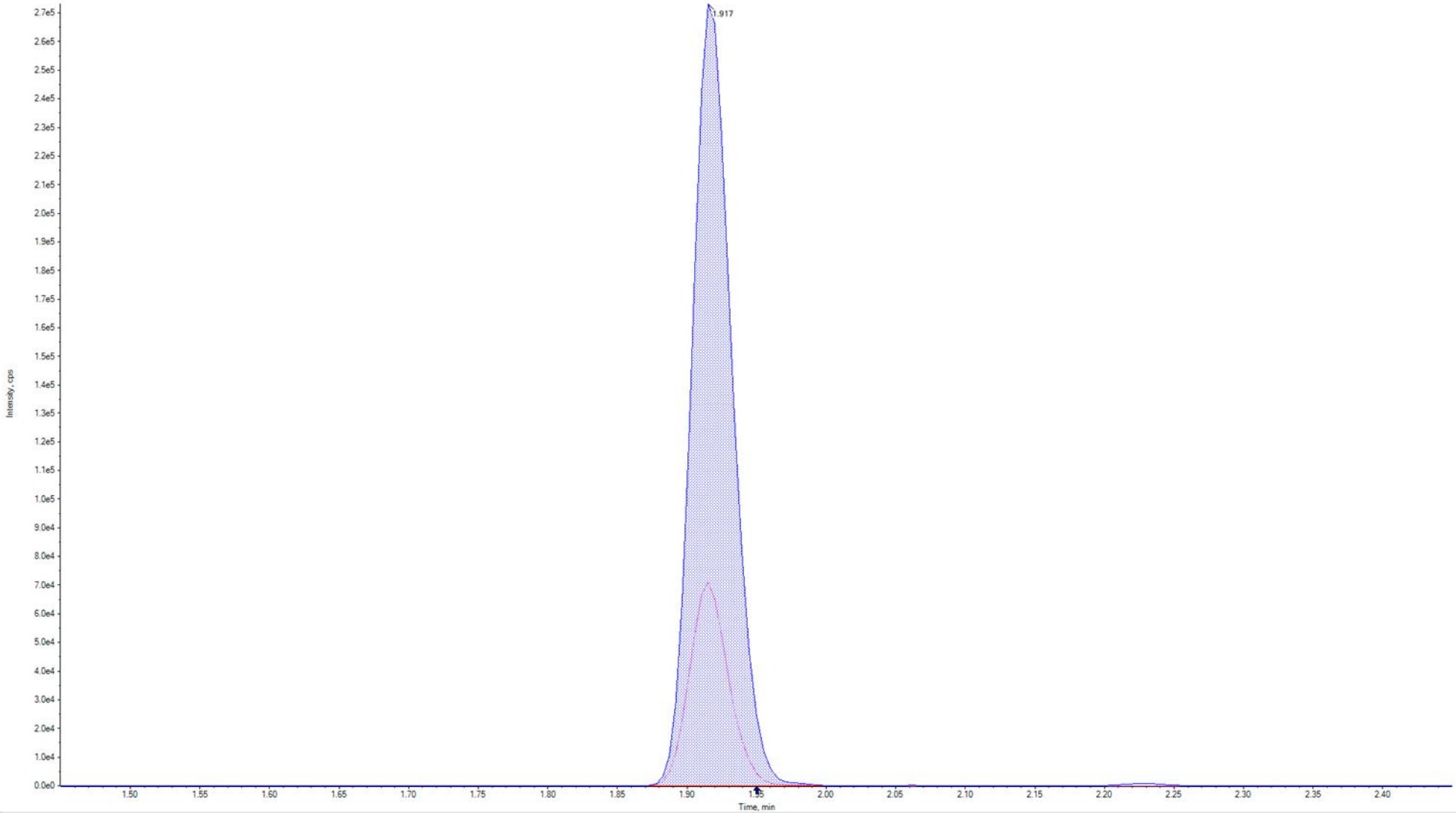


4:2FTS
Sample: IA1633STD-5.0 S/N:9041.3 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

4:2FTS_2
Sample: IA1633STD-5.0 S/N:7361.0 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
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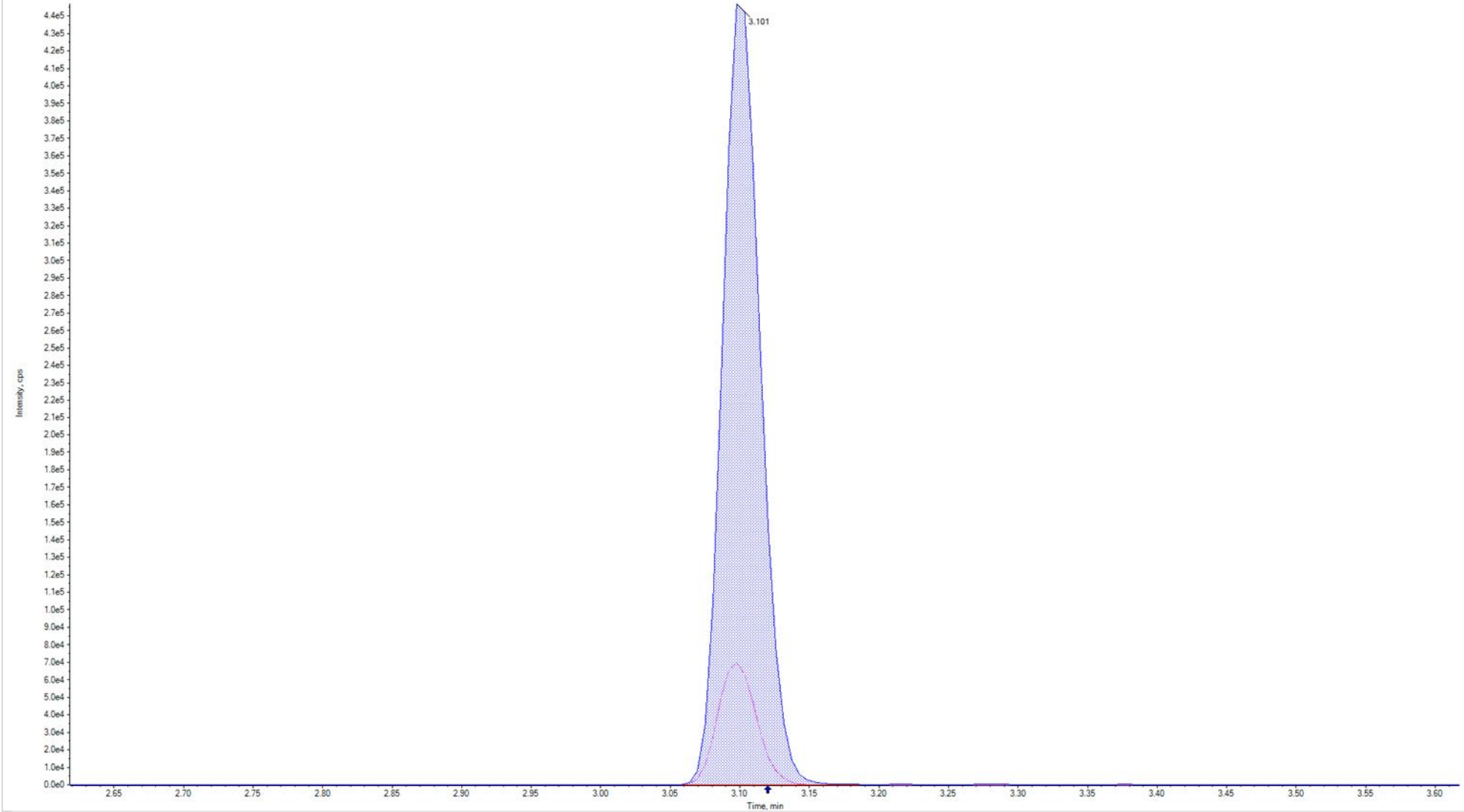
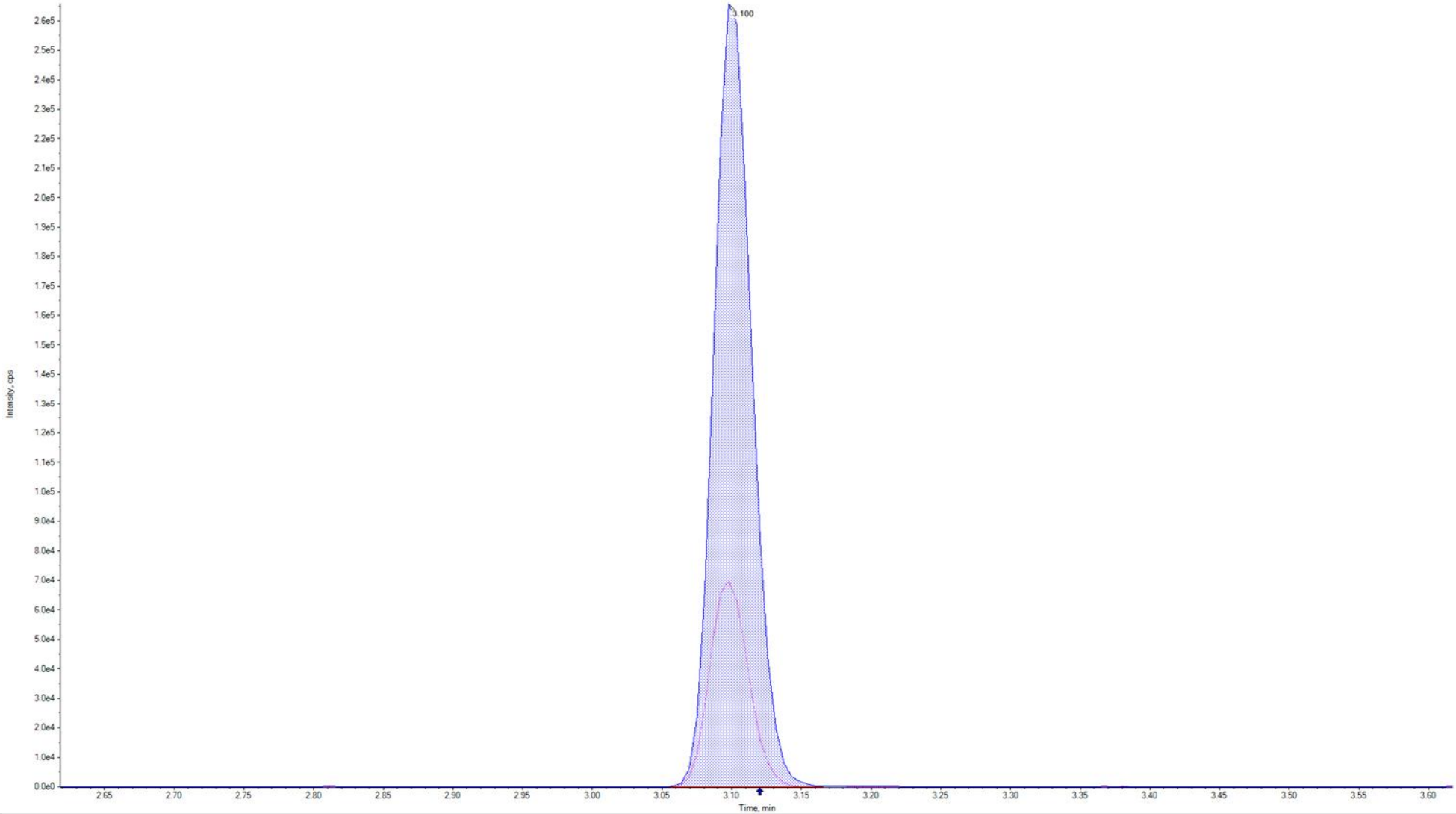
6:2FTS
Sample: IA1633STD-5.0 S/N:8961.5 Points Across peak:29

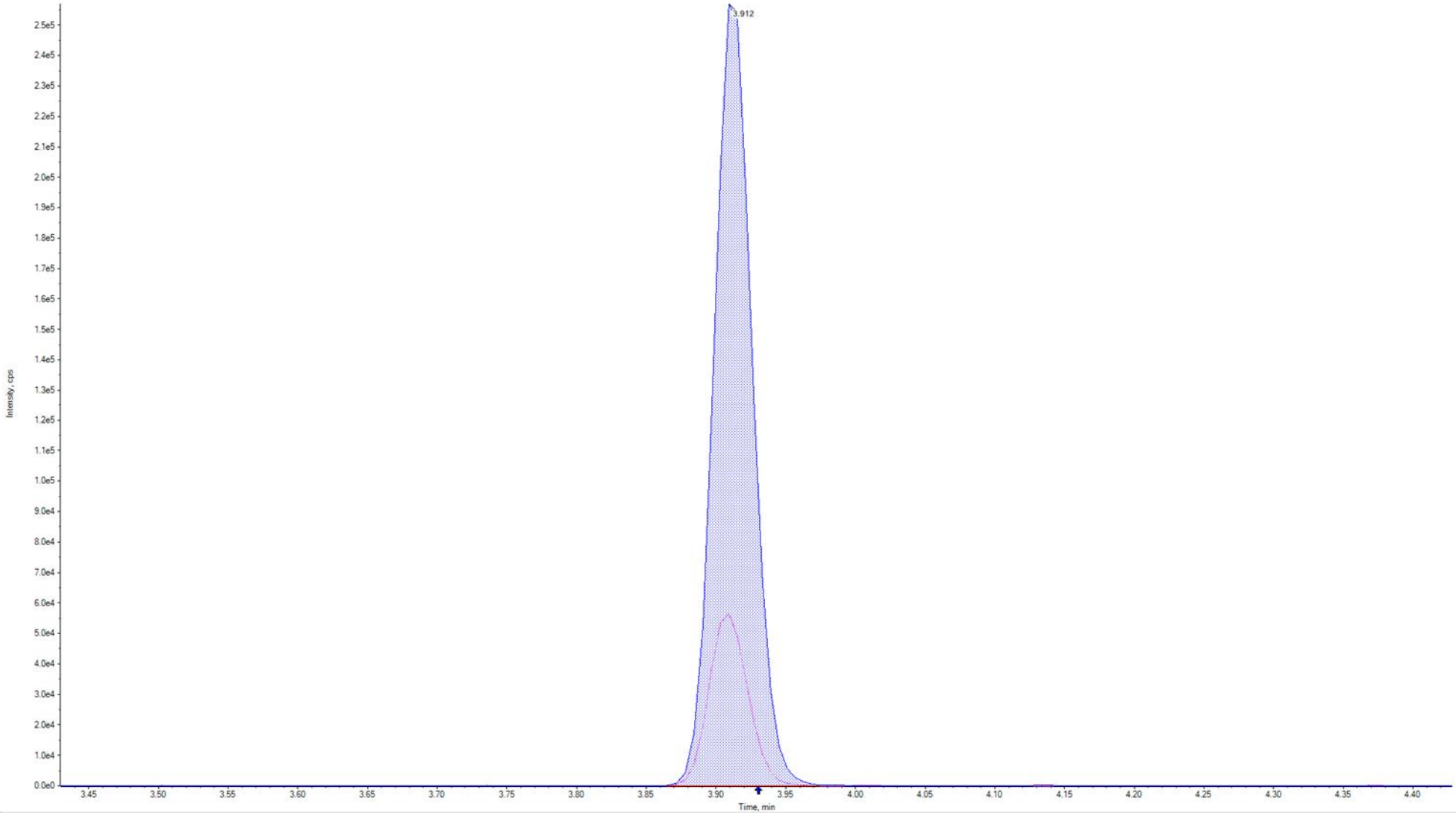


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

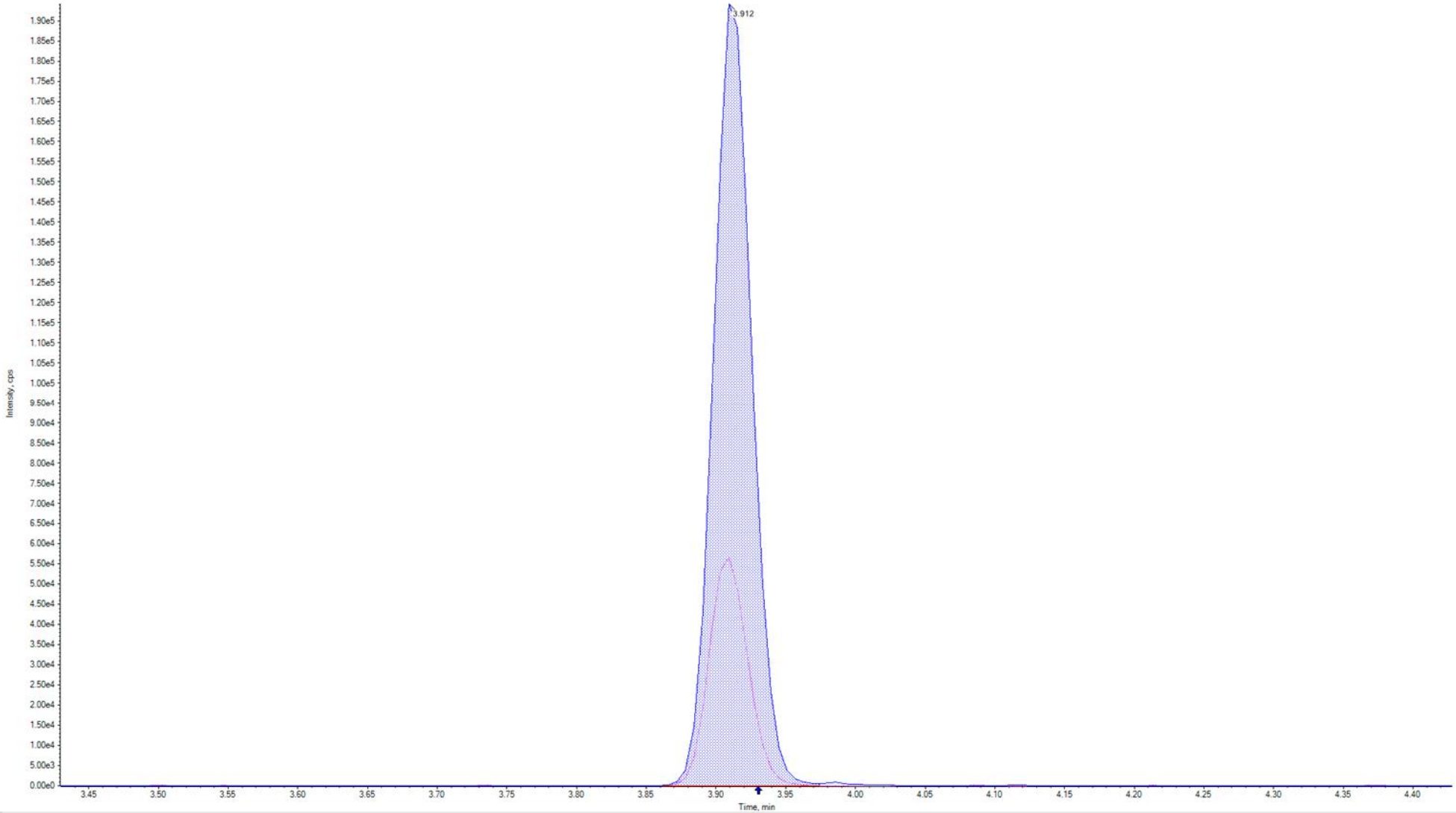
6:2FTS_2
Sample: IA1633STD-5.0 S/N:5329.1 Points Across peak:26



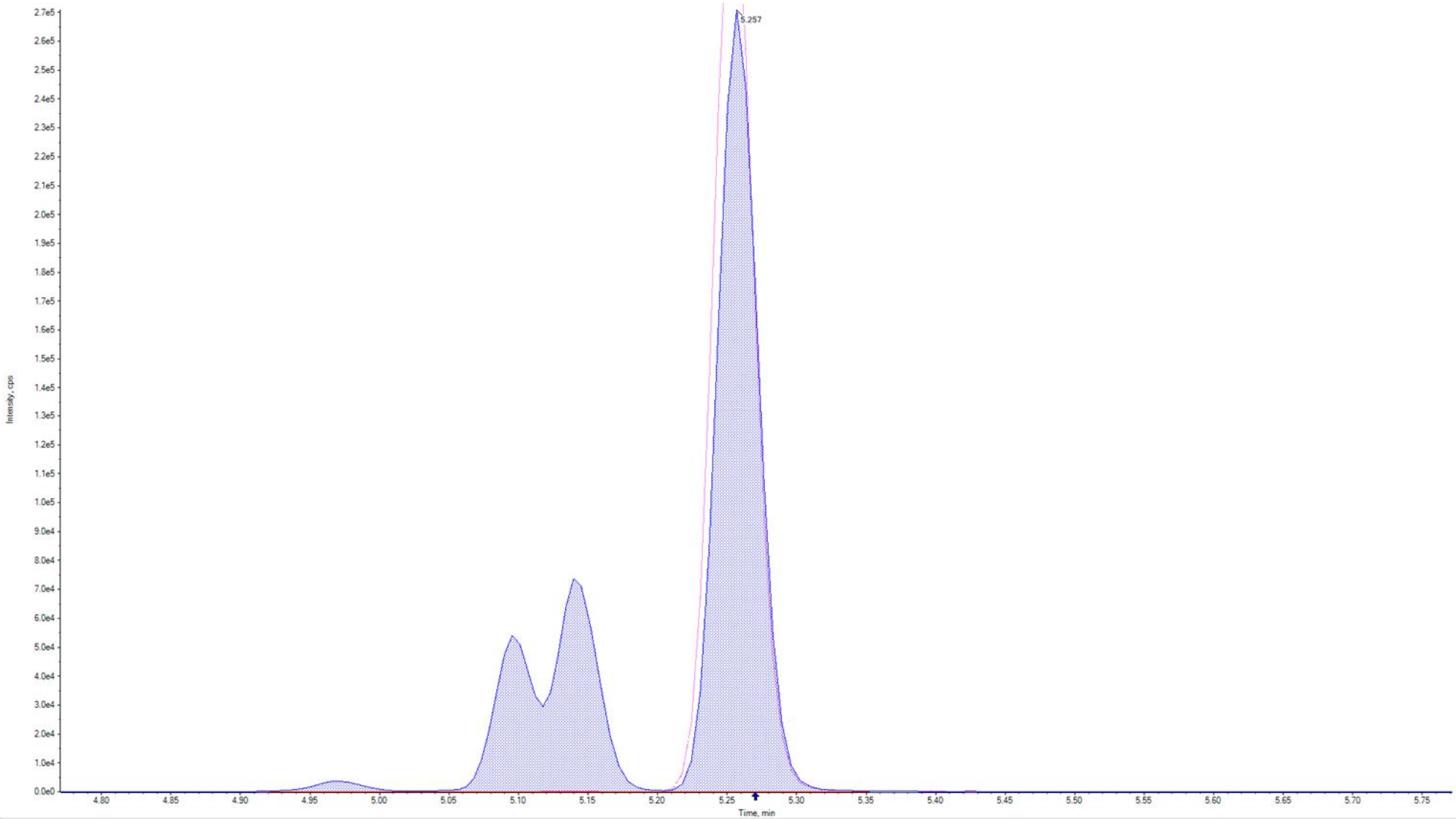
8:2FTS
Sample: IA1633STD-5.0 S/N:5152.9 Points Across peak:26



8:2FTS_2
Sample: IA1633STD-5.0 S/N:3893.9 Points Across peak:23

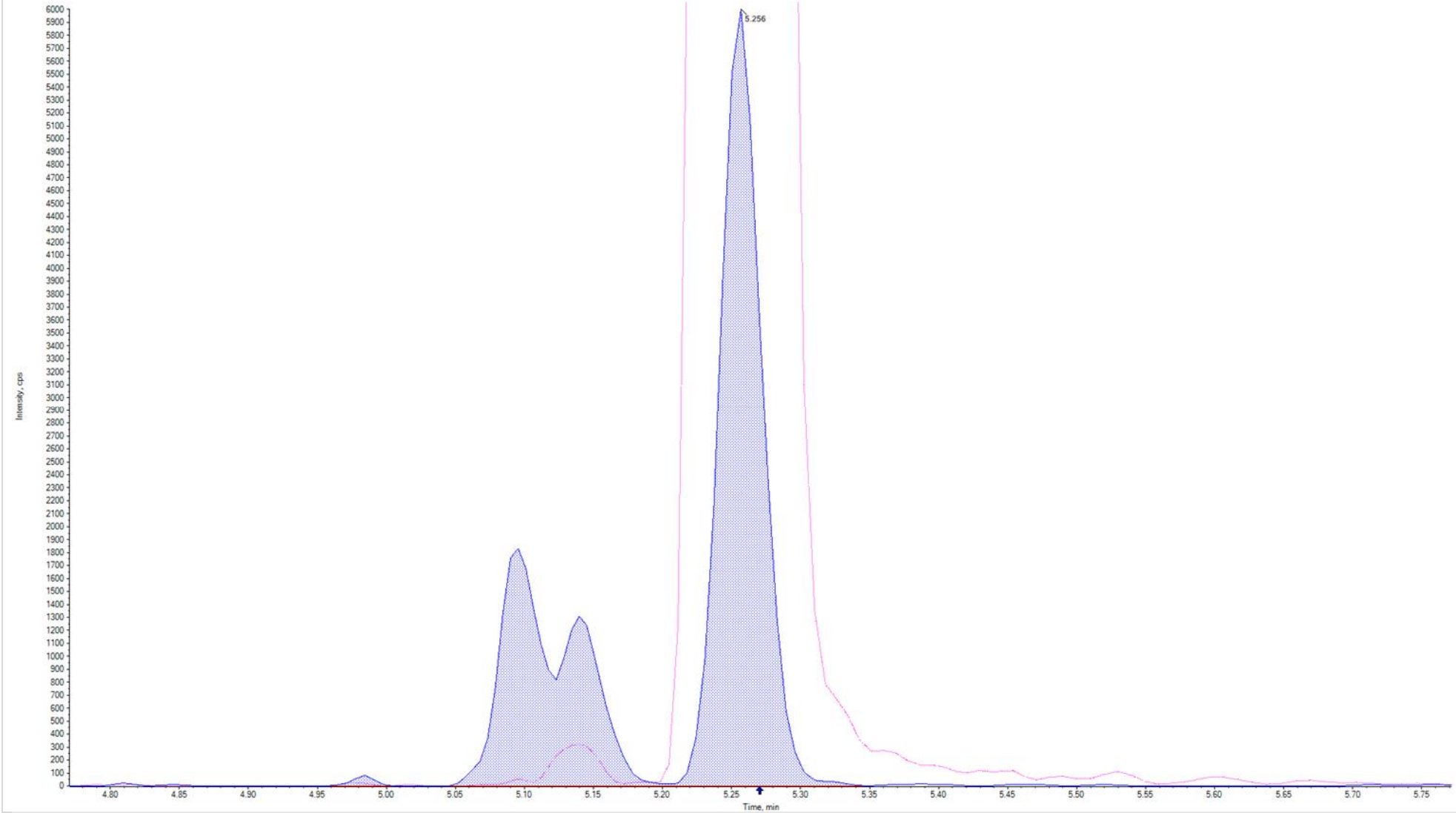


PFOSA
Sample: IA1633STD-5.0 S/N:249.4 Points Across peak:70



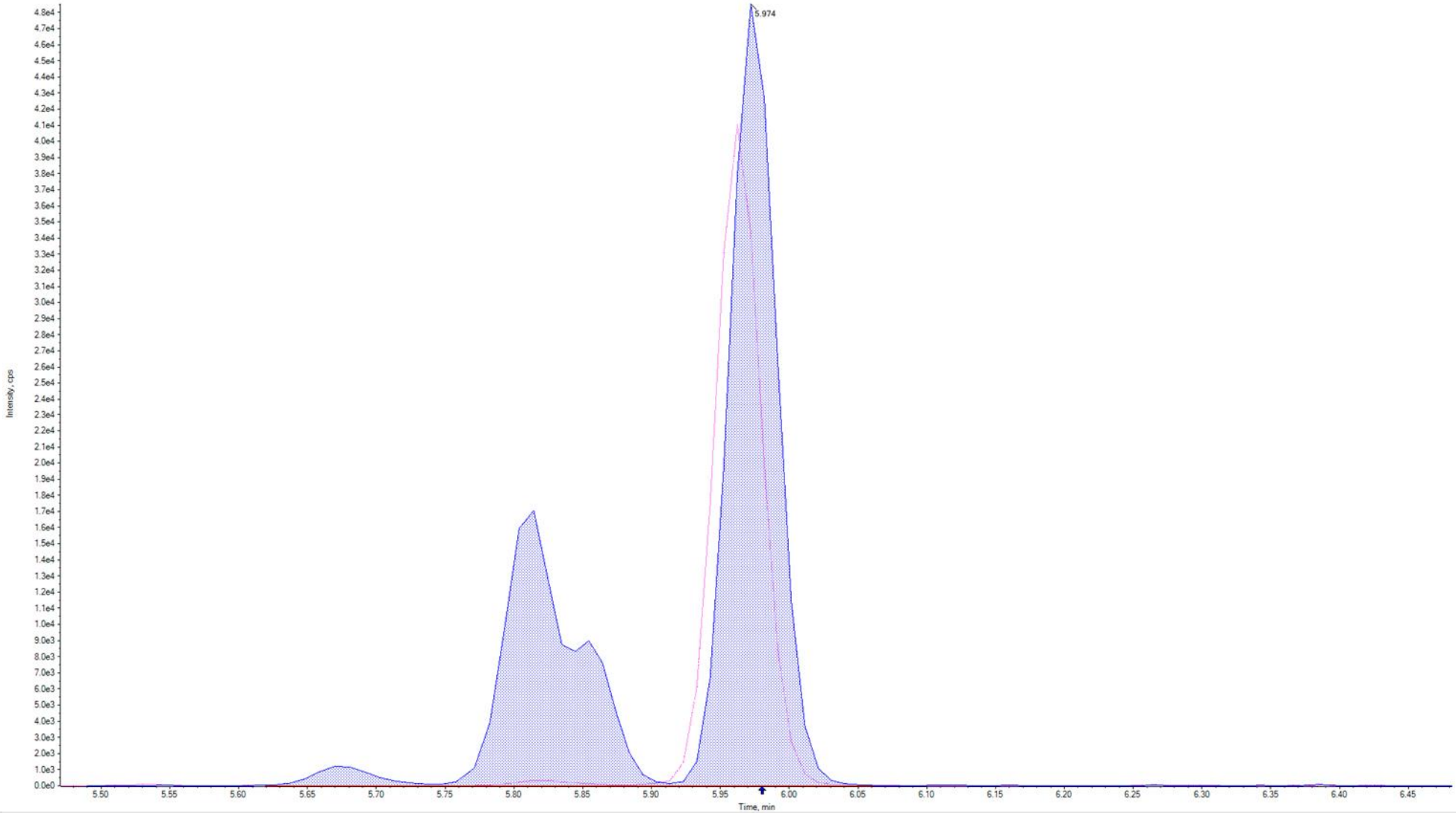
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOSA_2
Sample: IA1633STD-5.0 S/N:229.9 Points Across peak:64



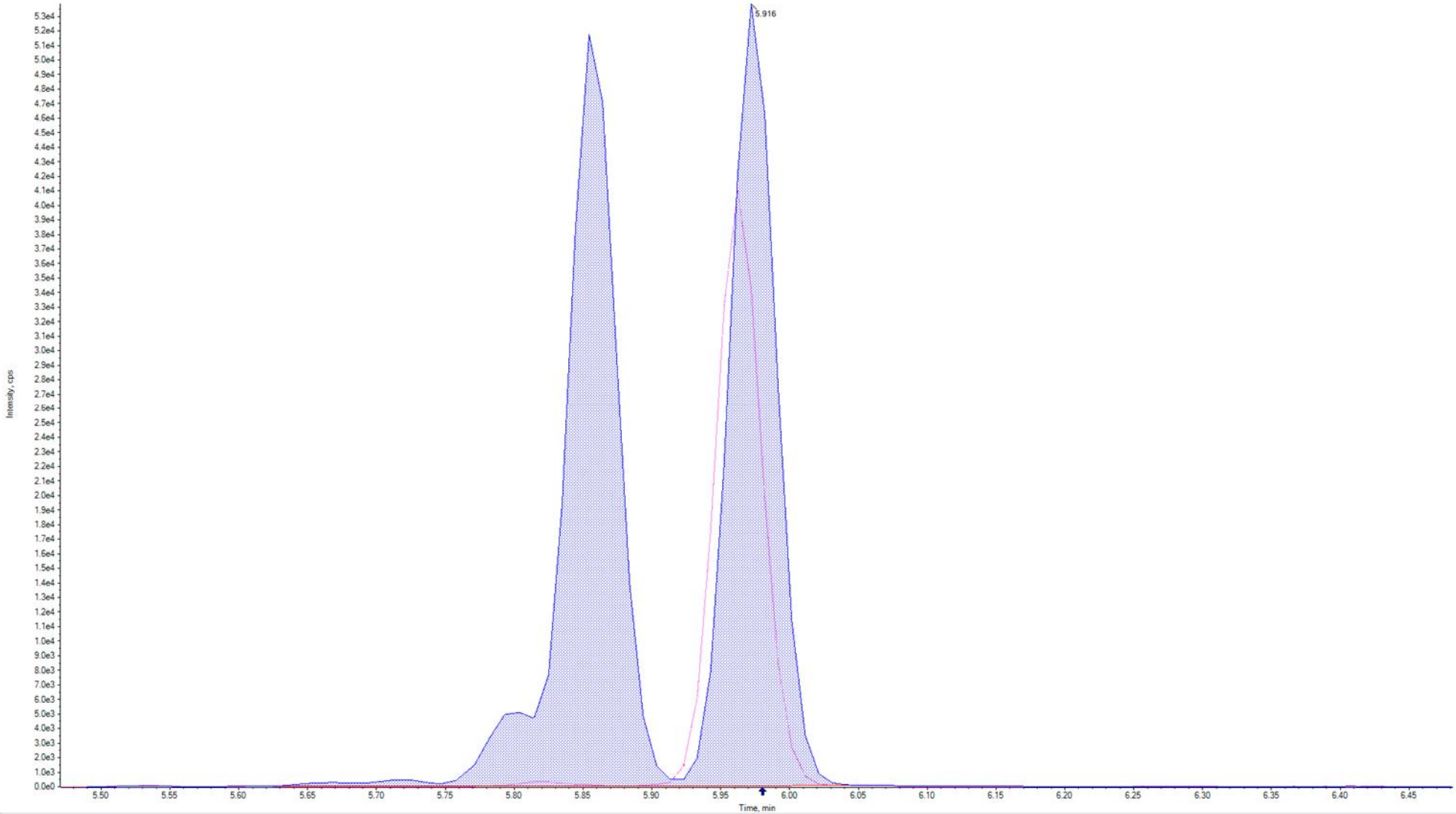
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSA
Sample: IA1633STD-5.0 S/N:288.4 Points Across peak:45



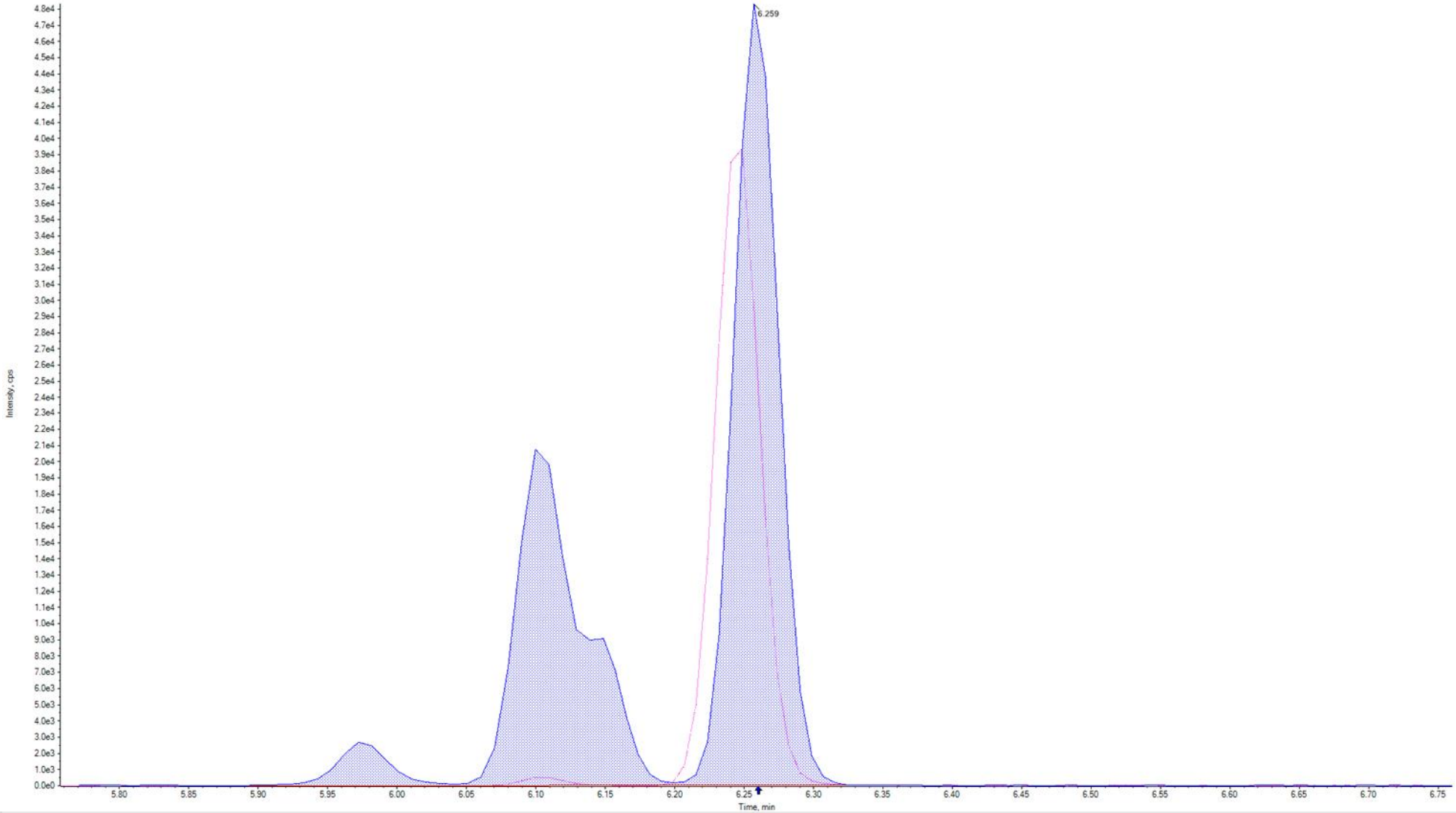
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSA_2
Sample: IA1633STD-5.0 S/N:262.2 Points Across peak:44



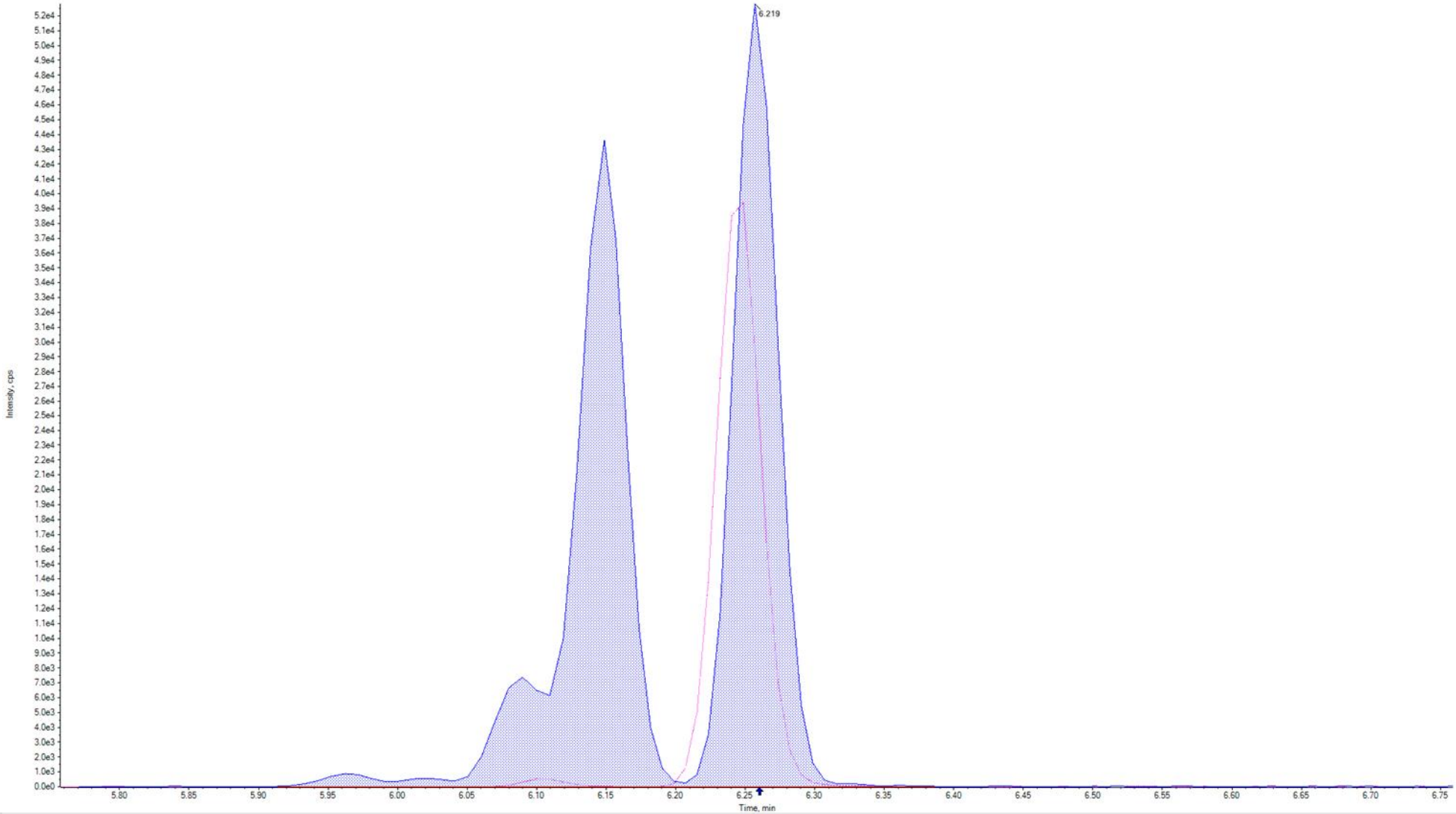
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSA
Sample: IA1633STD-5.0 S/N:799.7 Points Across peak:56



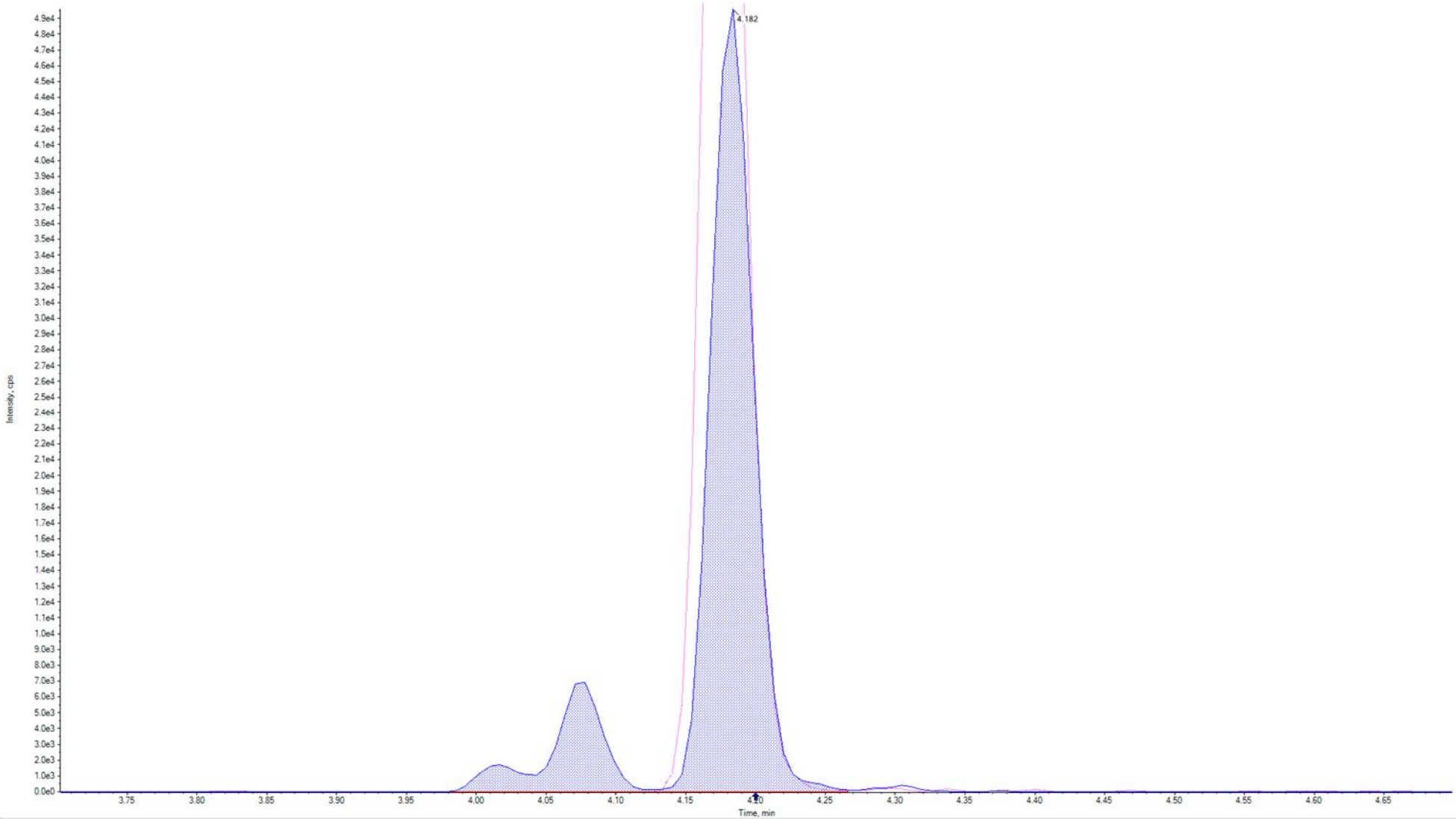
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSA_2
Sample: IA1633STD-5.0 S/N:998.3 Points Across peak:63



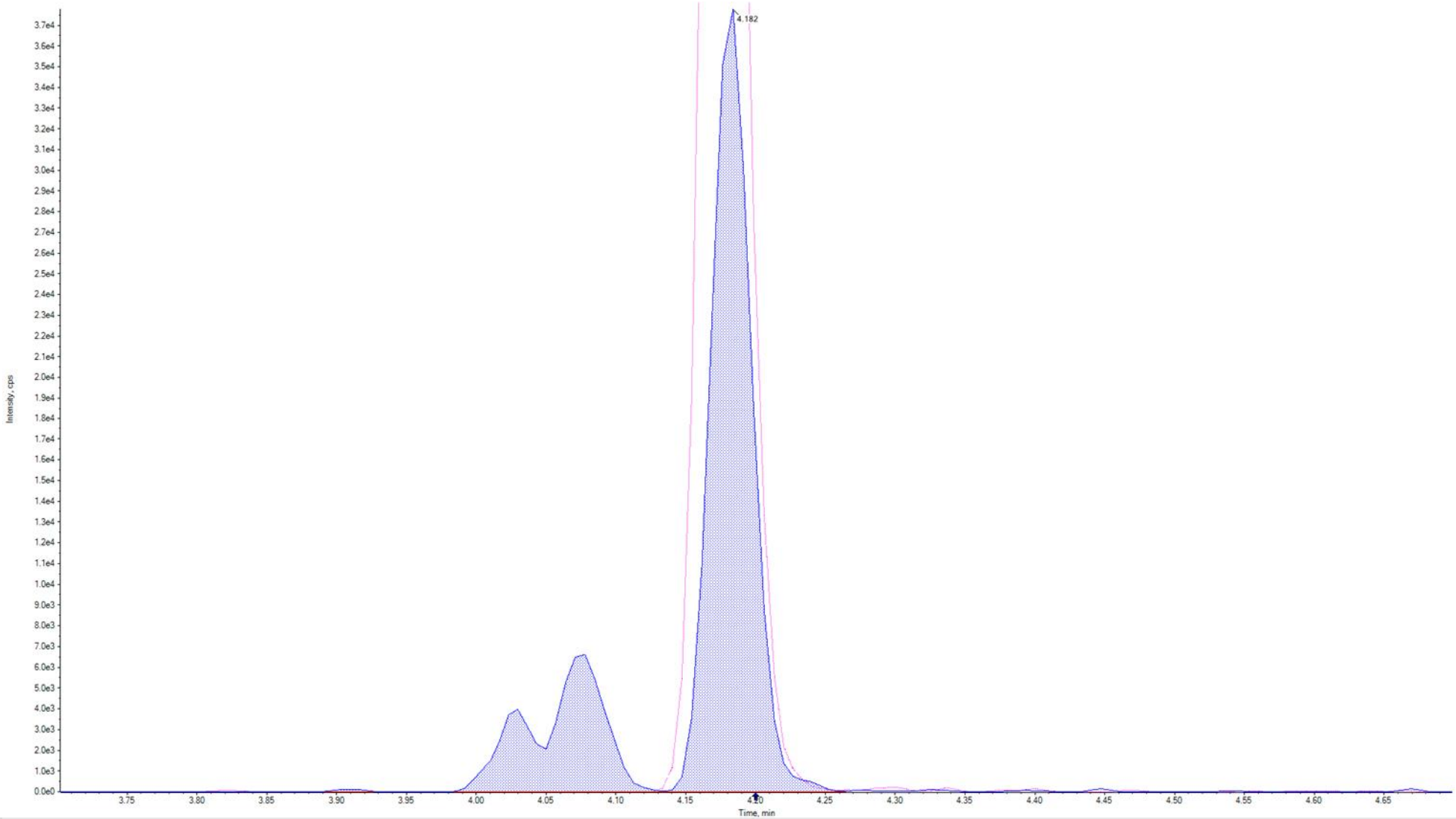
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSAA
Sample: IA1633STD-5.0 S/N:389.6 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSAA_2
Sample: IA1633STD-5.0 S/N:485.4 Points Across peak:58



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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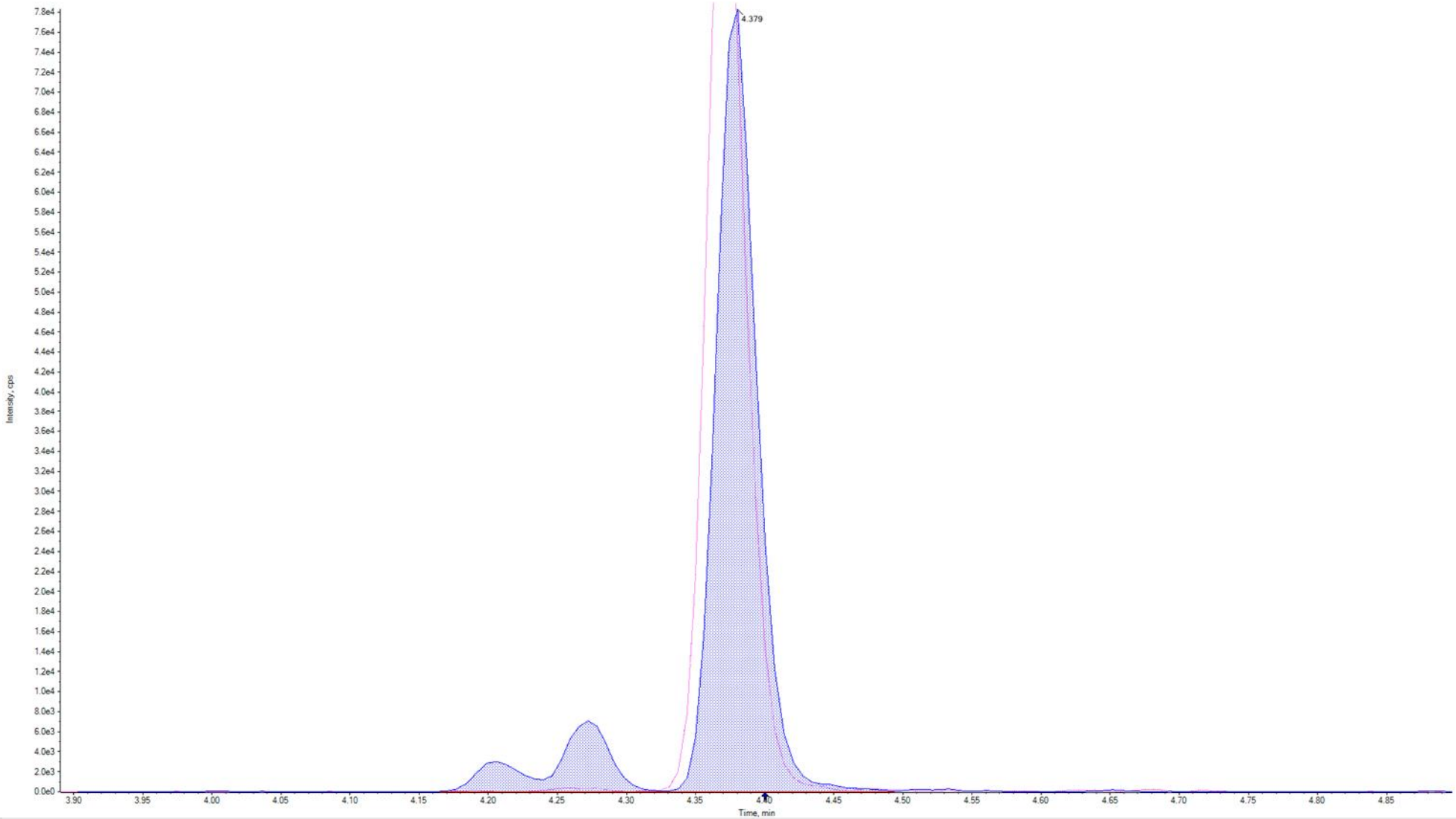
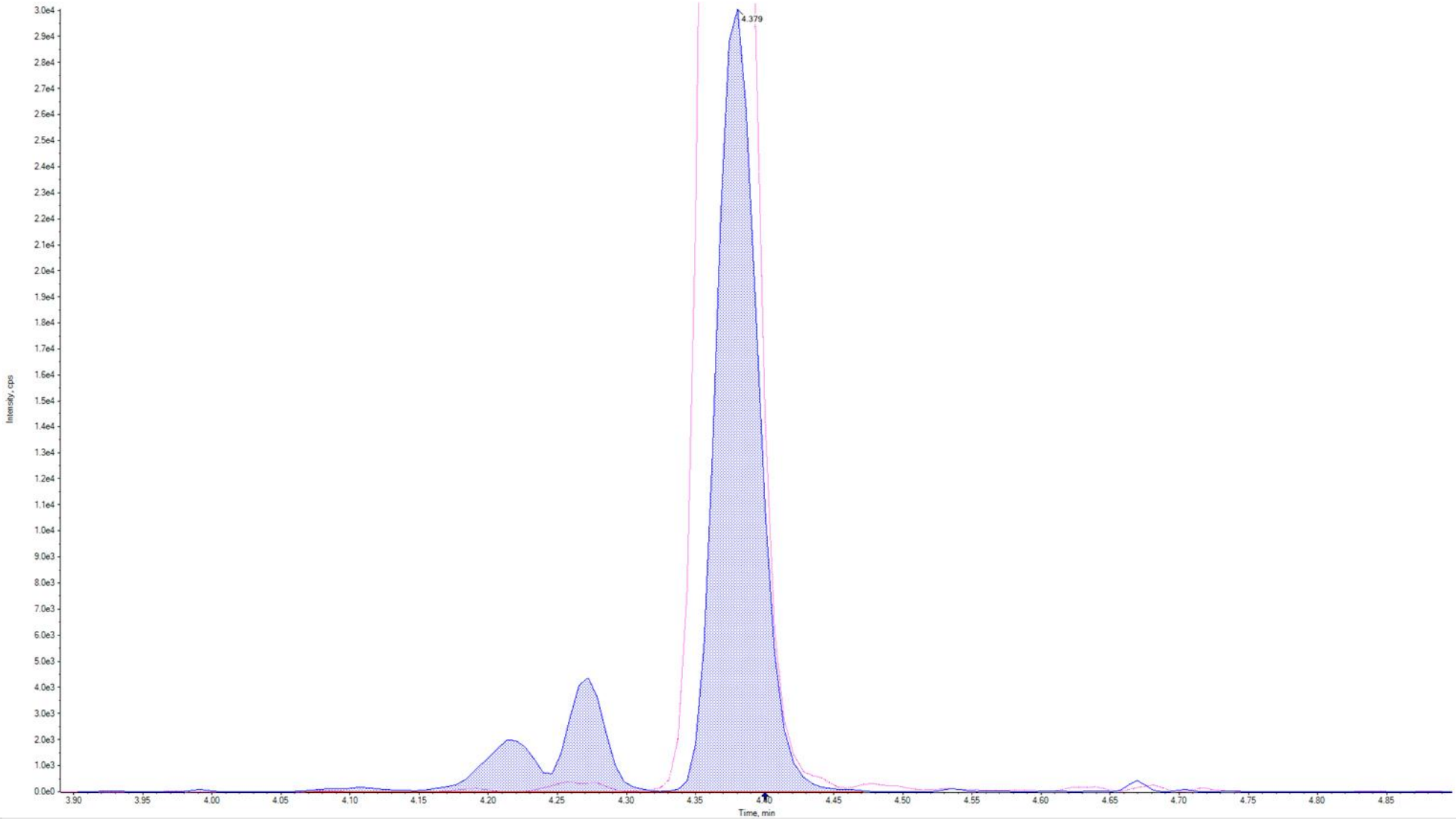
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSAA
Sample: IA1633STD-5.0 S/N:602.0 Points Across peak:52



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSAA_2
Sample: IA1633STD-5.0 S/N:414.6 Points Across peak:62



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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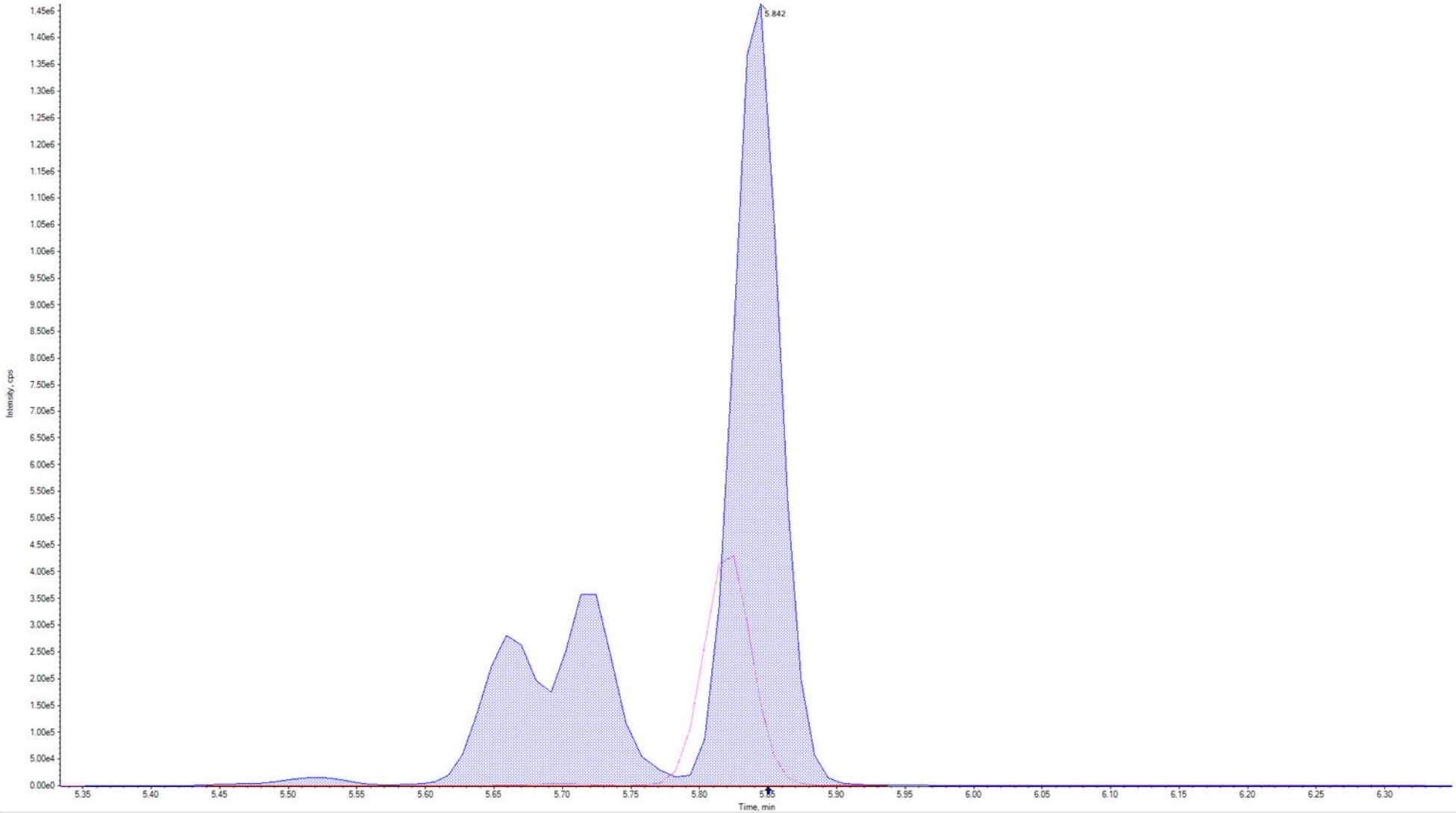
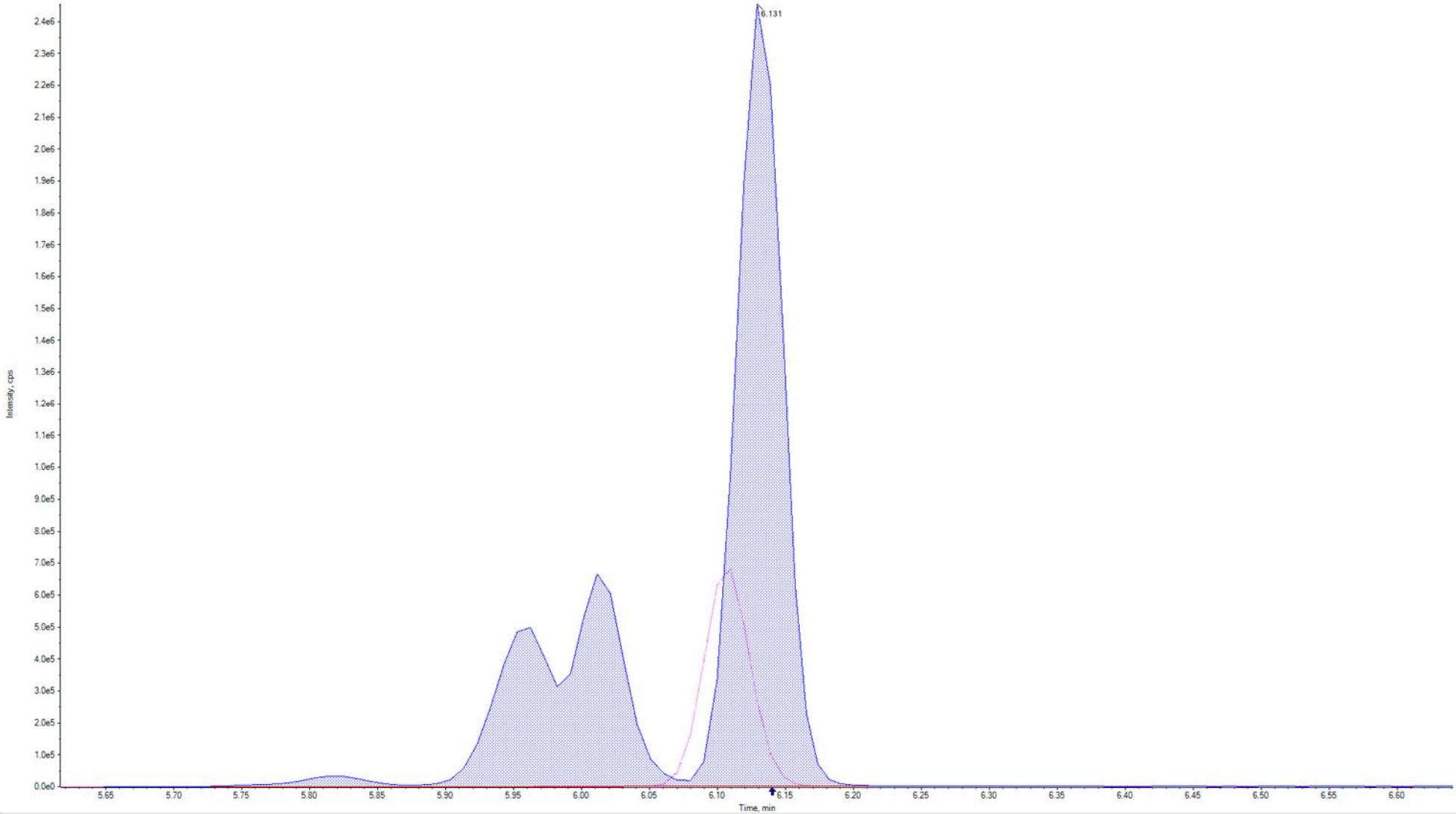
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSE
Sample: IA1633STD-5.0 S/N:231.0 Points Across peak:51



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSE
Sample: IA1633STD-5.0 S/N:467.3 Points Across peak:59



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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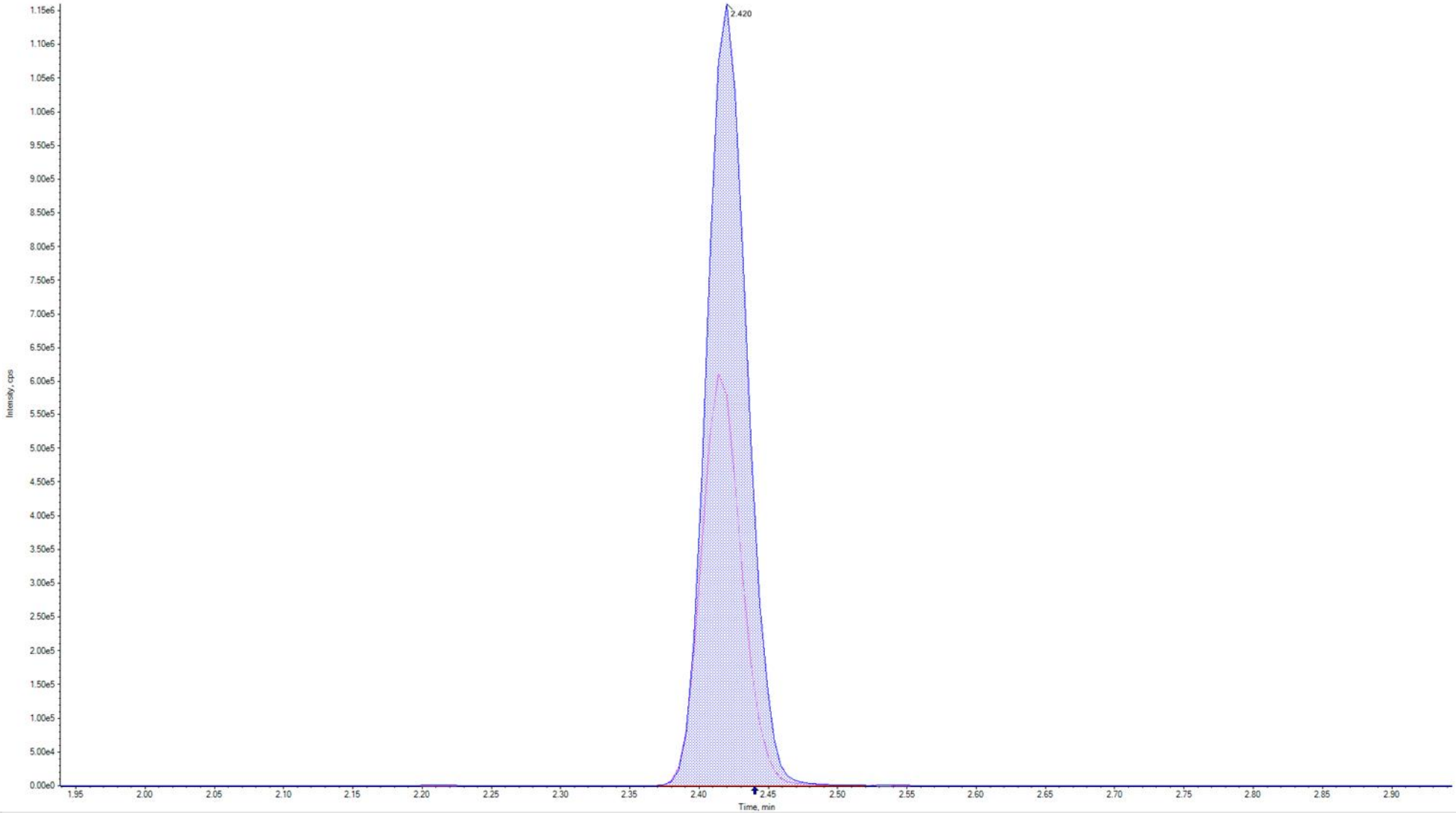
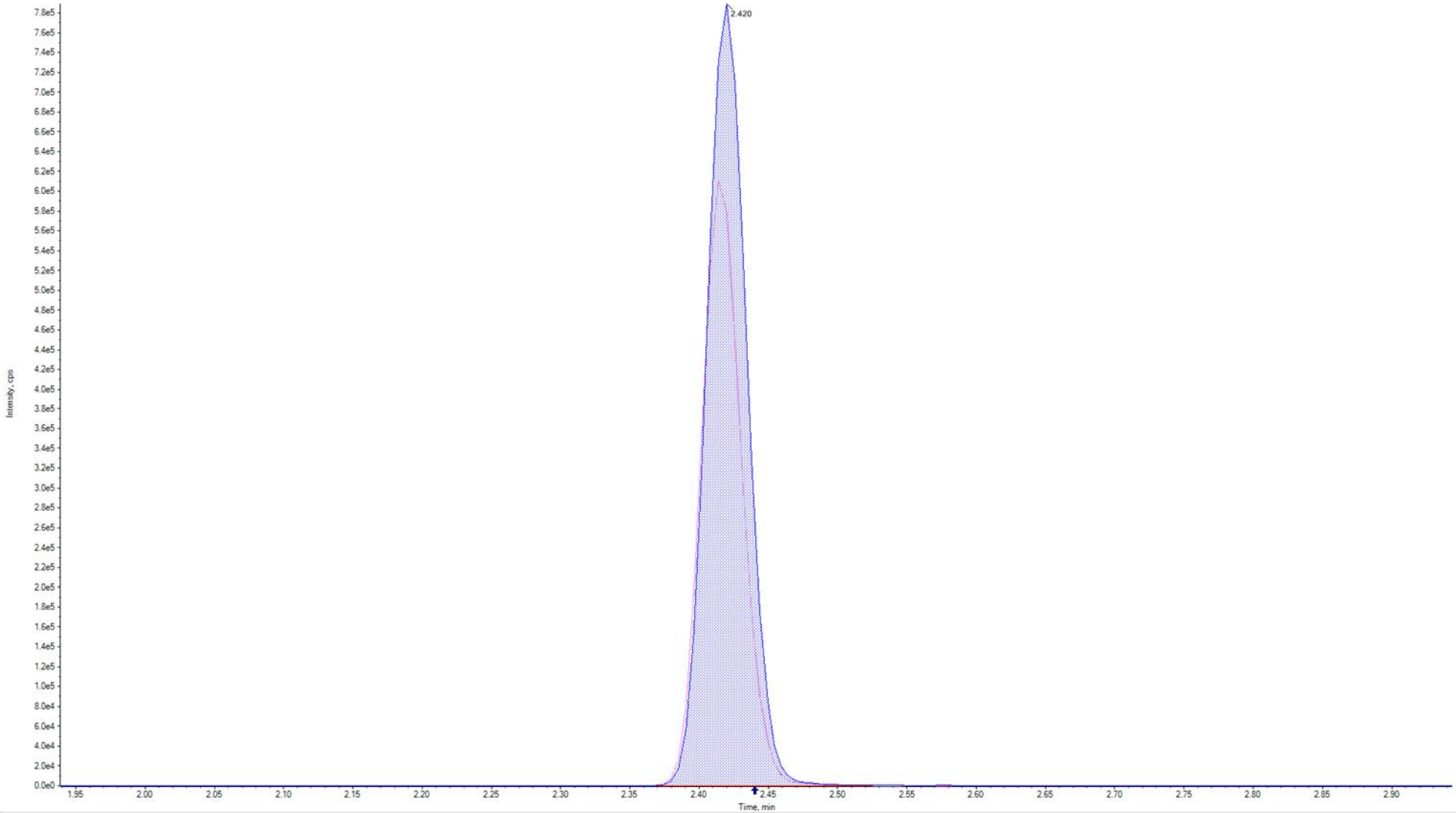
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

HFPO-DA
Sample: IA1633STD-5.0 S/N:8318.1 Points Across peak:35



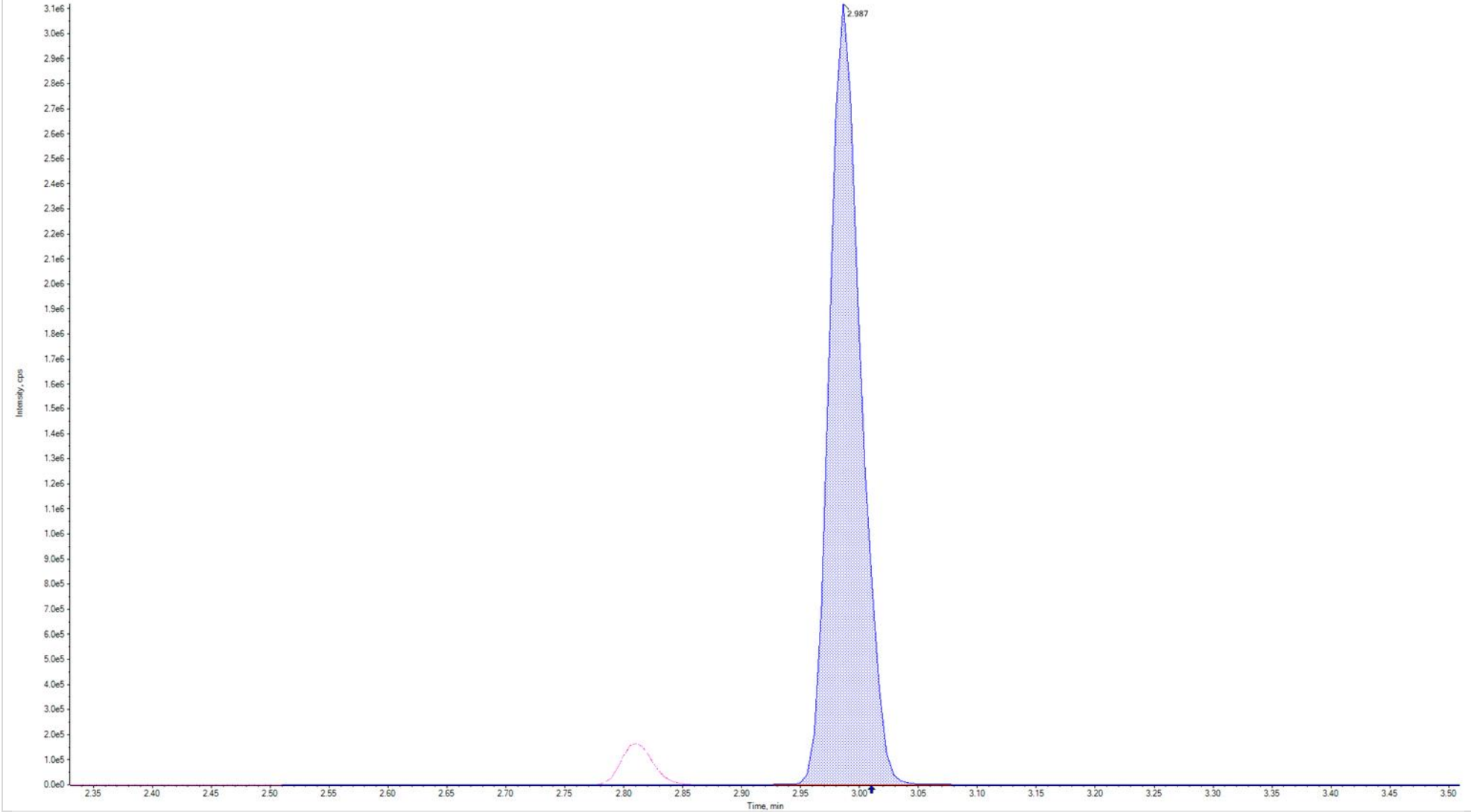
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

HFPO-DA_2
Sample: IA1633STD-5.0 S/N:17799.3 Points Across peak:37



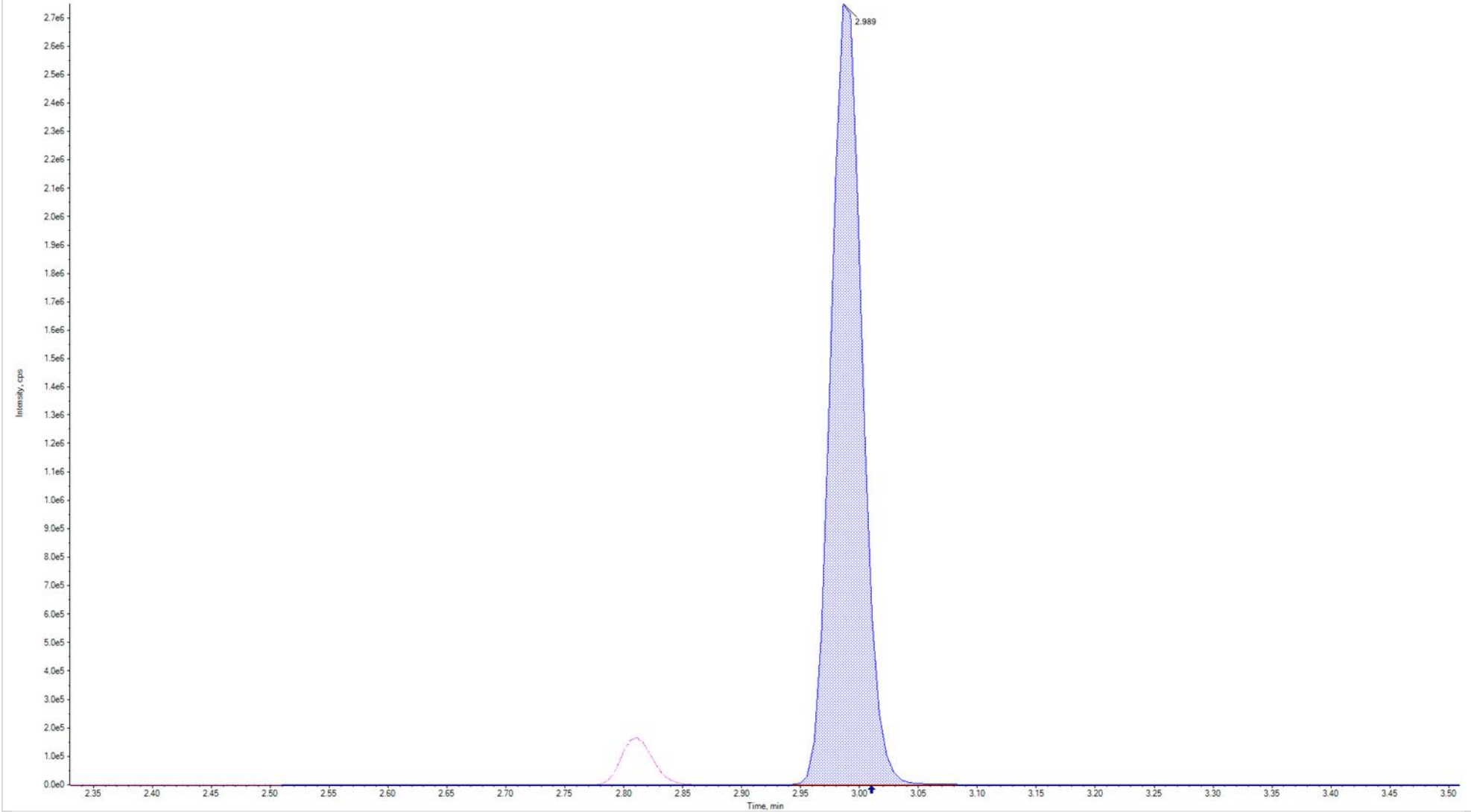
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

ADONA
Sample: IA1633STD-5.0 S/N:6844.0 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

ADONA_2
Sample: IA1633STD-5.0 S/N:8966.7 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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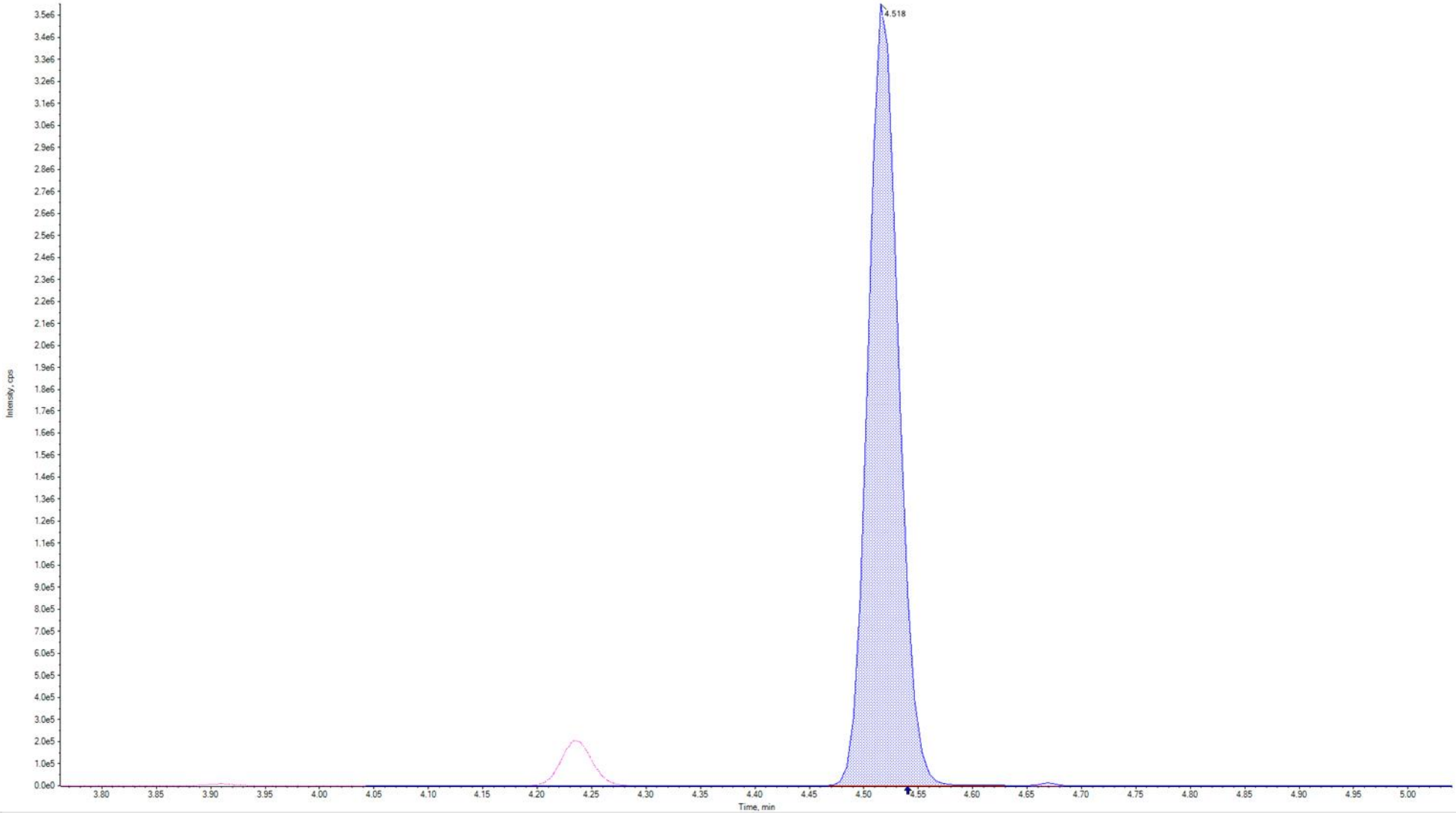
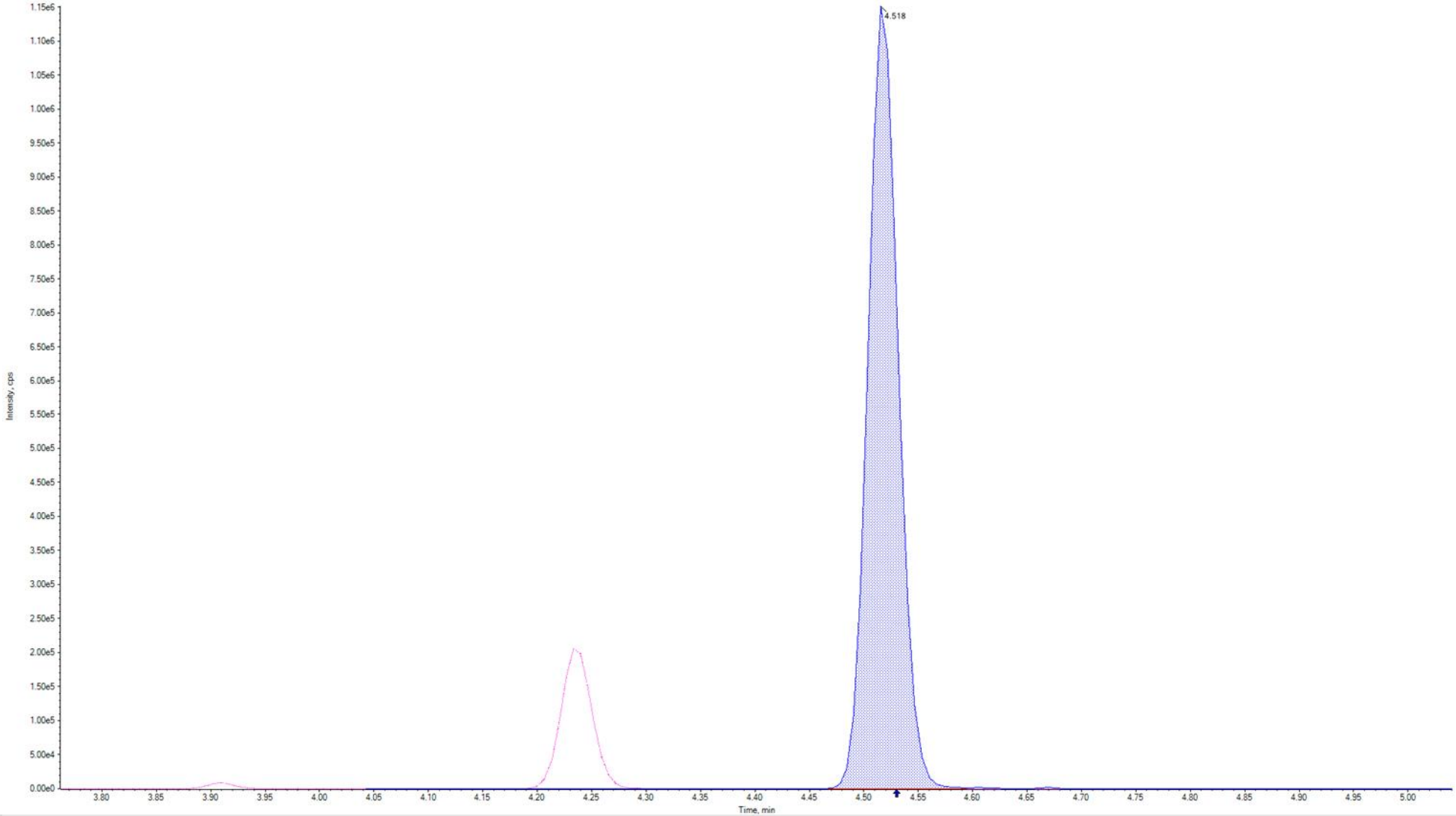
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

9Cl-PF3ONS
Sample: IA1633STD-5.0 S/N:80119.4 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

9Cl-PF3ONS_2
Sample: IA1633STD-5.0 S/N:7998.1 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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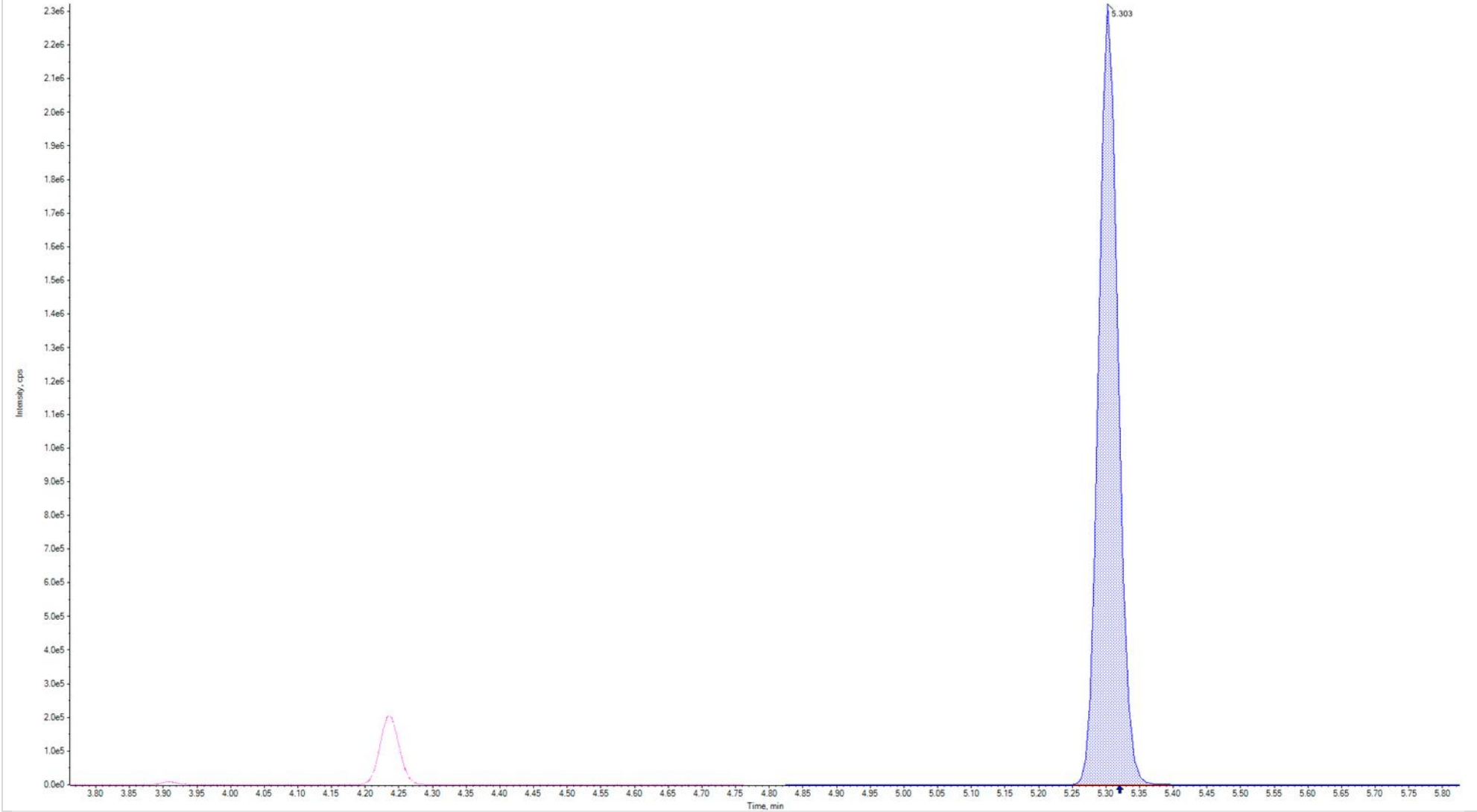
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

11Cl-PF3OUdS
Sample: IA1633STD-5.0 S/N:110581.2 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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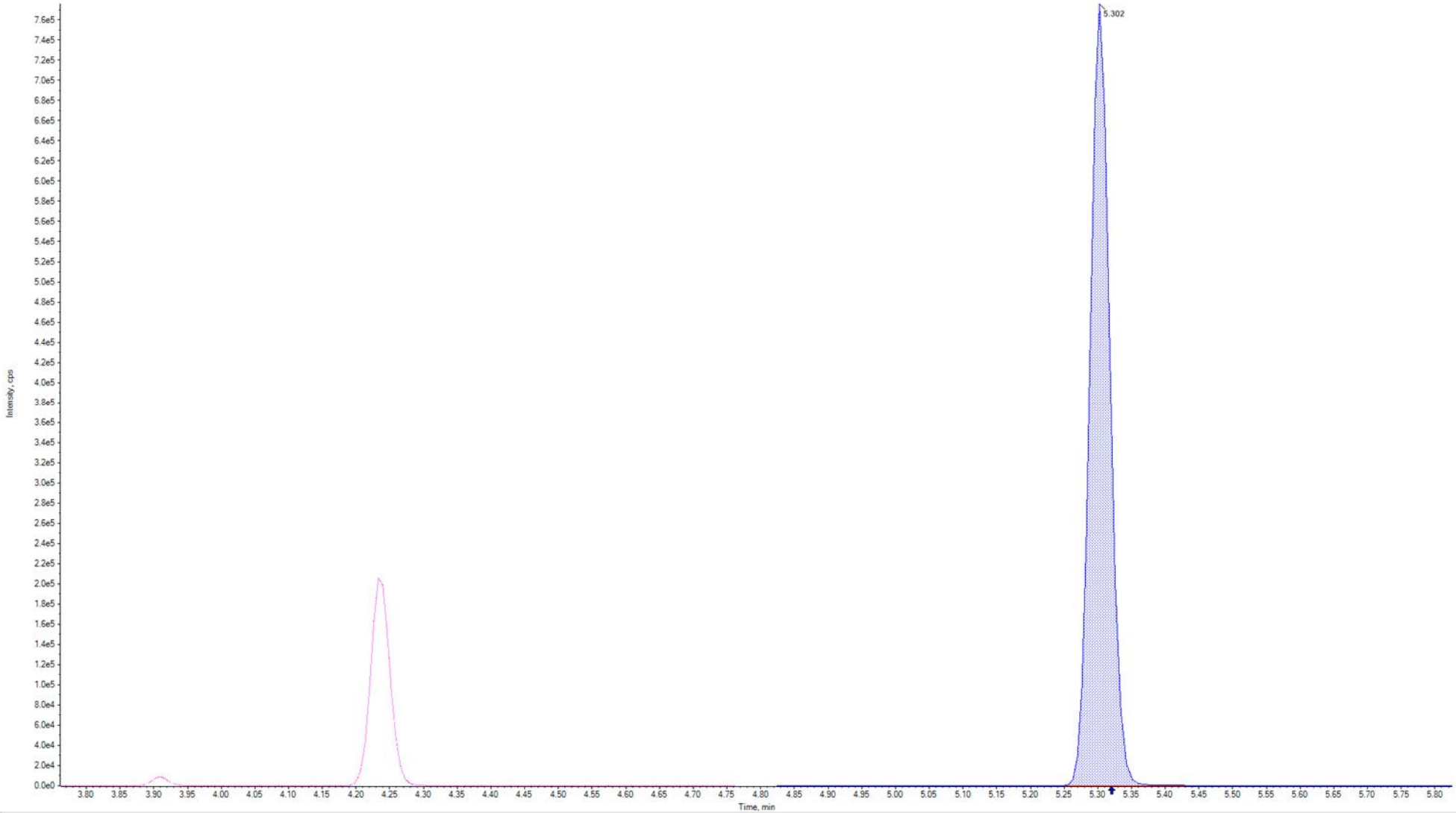
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-5.0 S/N:5719.0 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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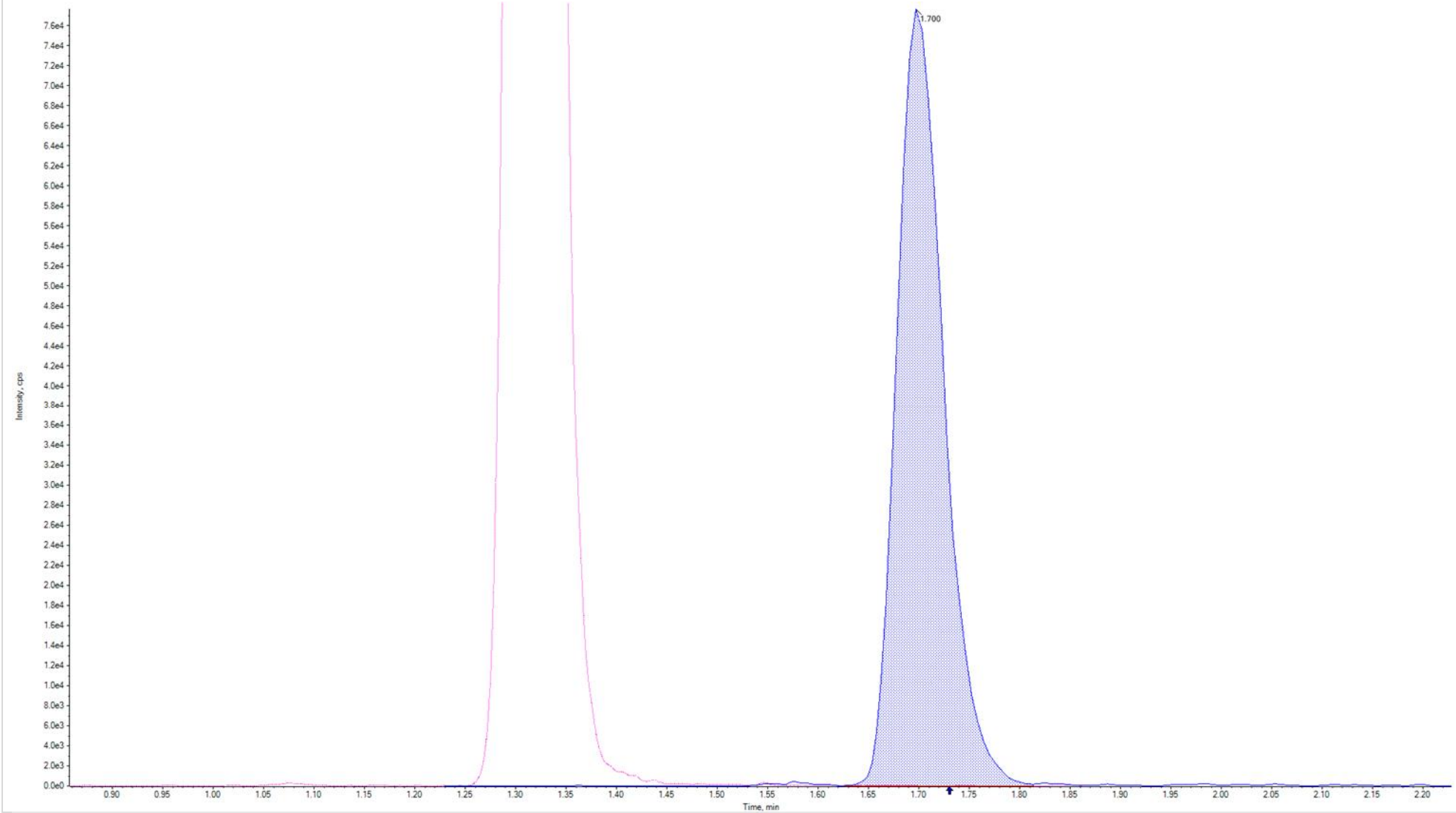
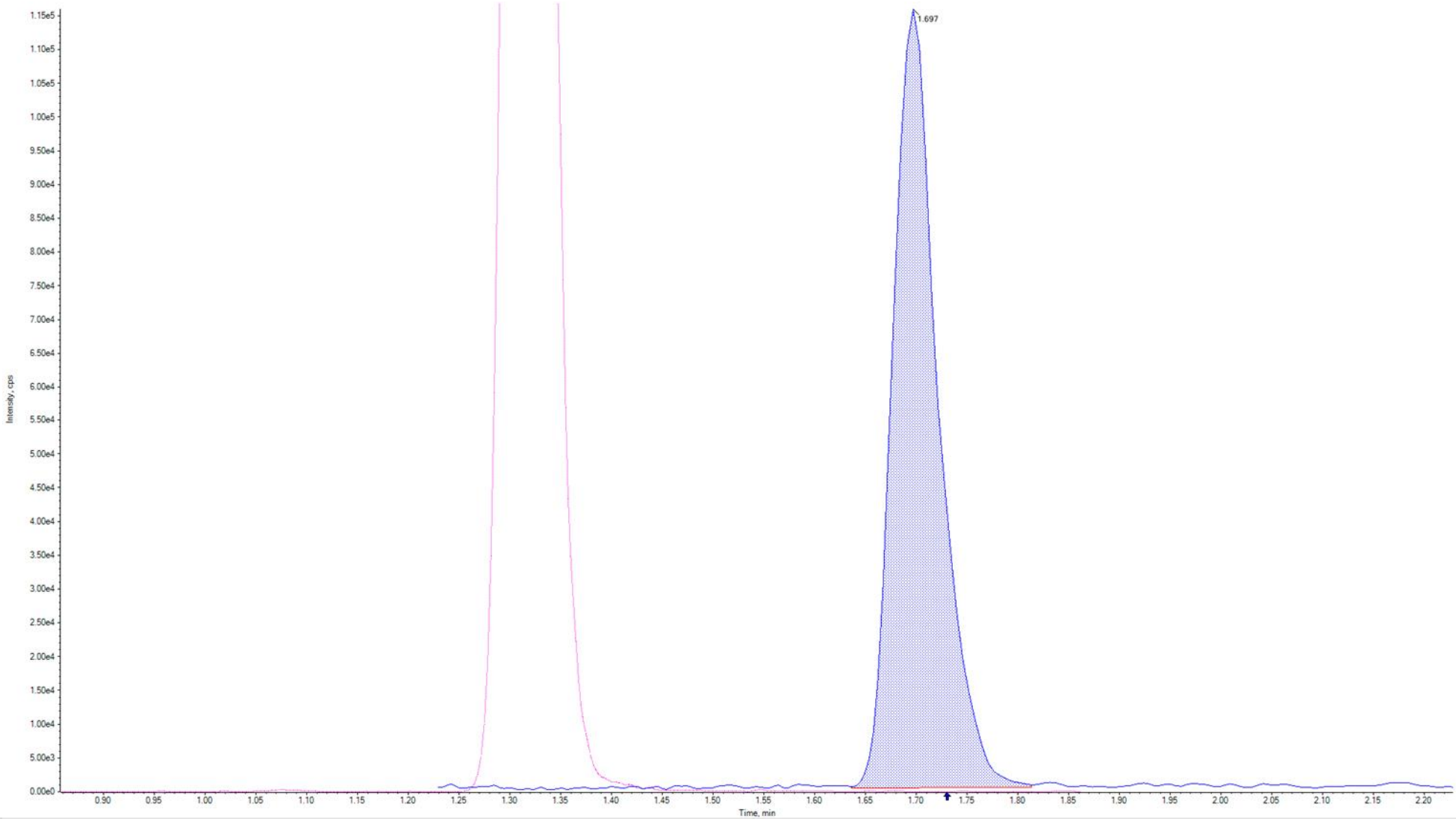
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

3:3FTCA
Sample: IA1633STD-5.0 S/N:1946.0 Points Across peak:35



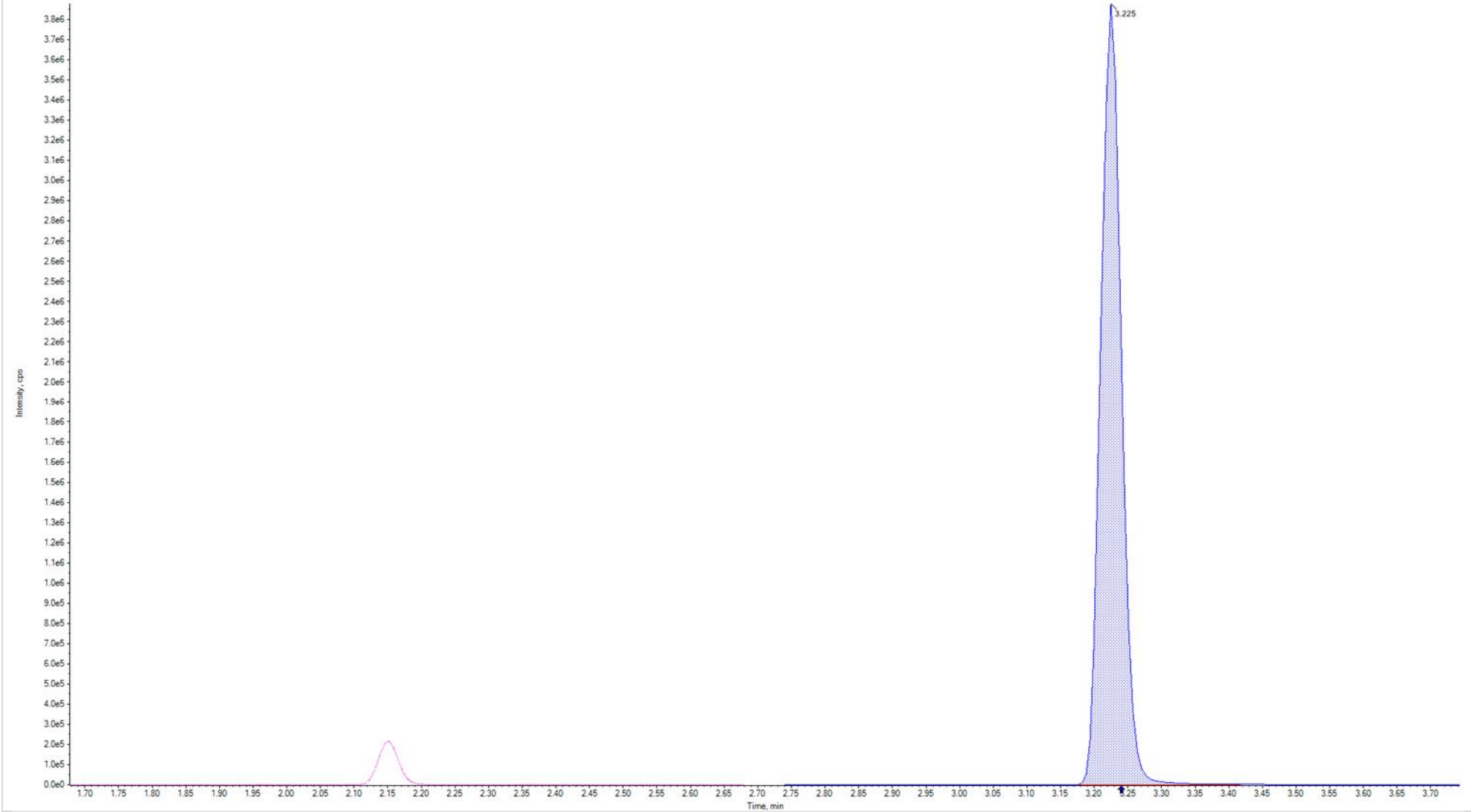
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

3:3FTCA_2
Sample: IA1633STD-5.0 S/N:1094.7 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

5:3FTCA
Sample: IA1633STD-5.0 S/N:87471.9 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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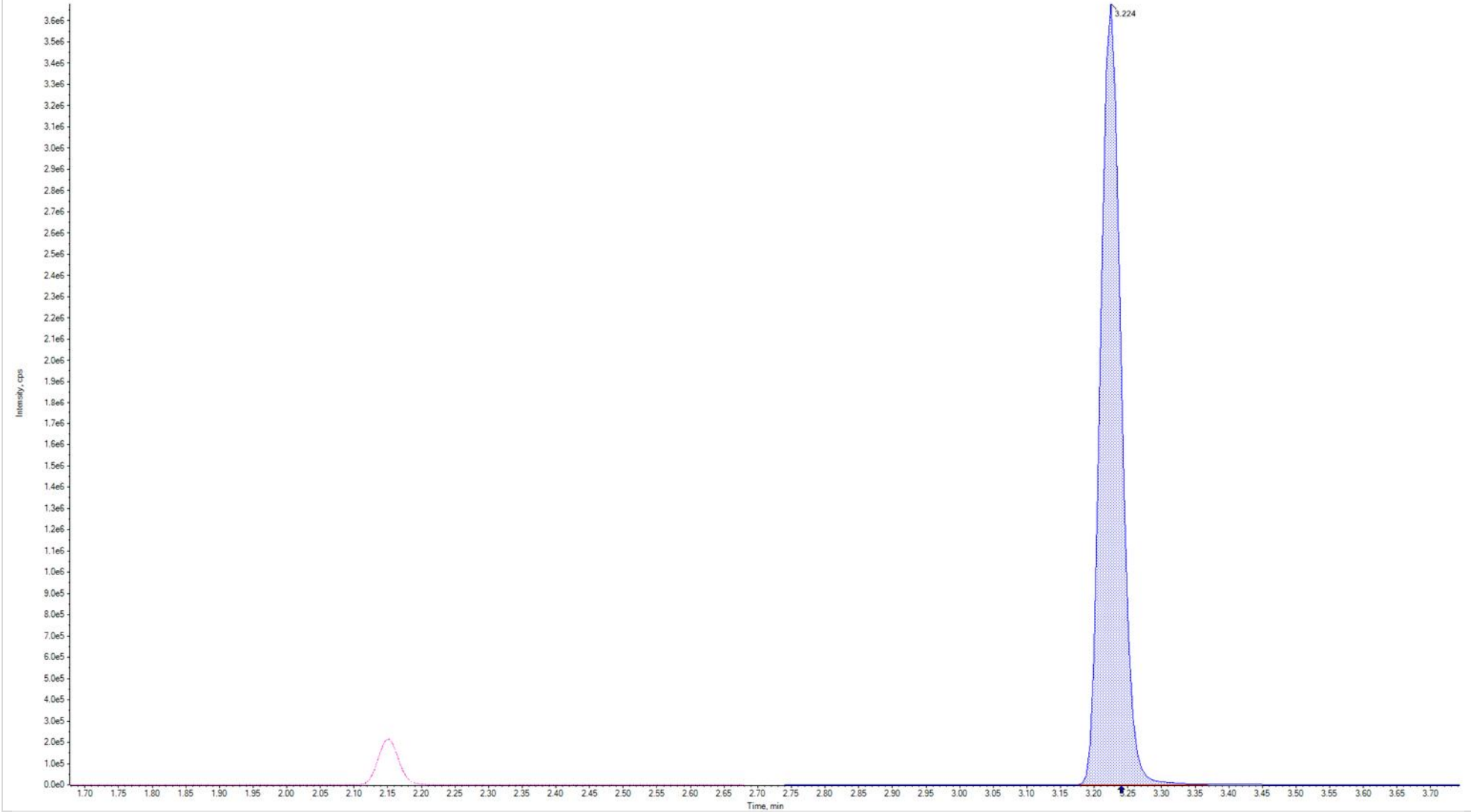
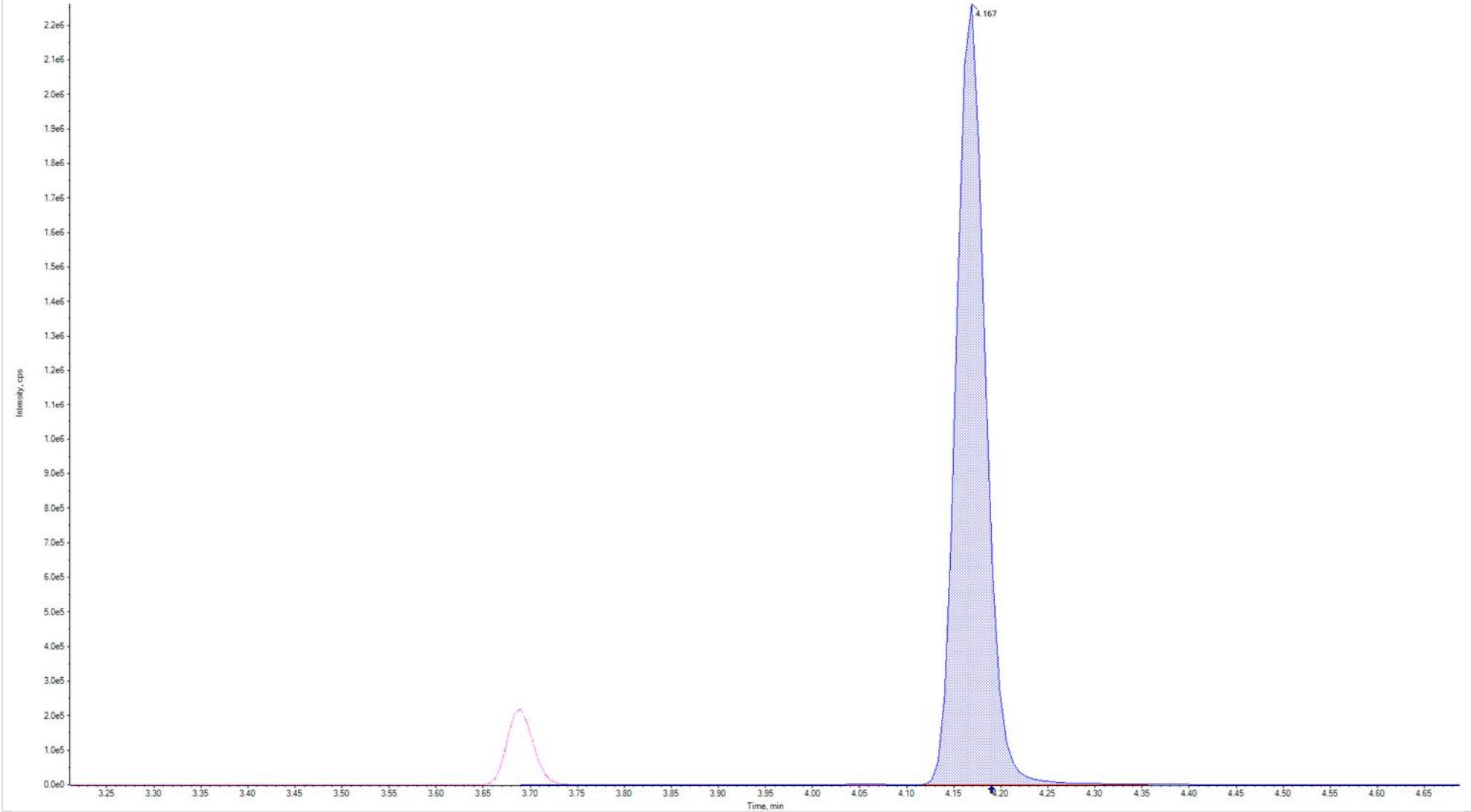
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

5:3FTCA_2
Sample: IA1633STD-5.0 S/N:82992.1 Points Across peak:35

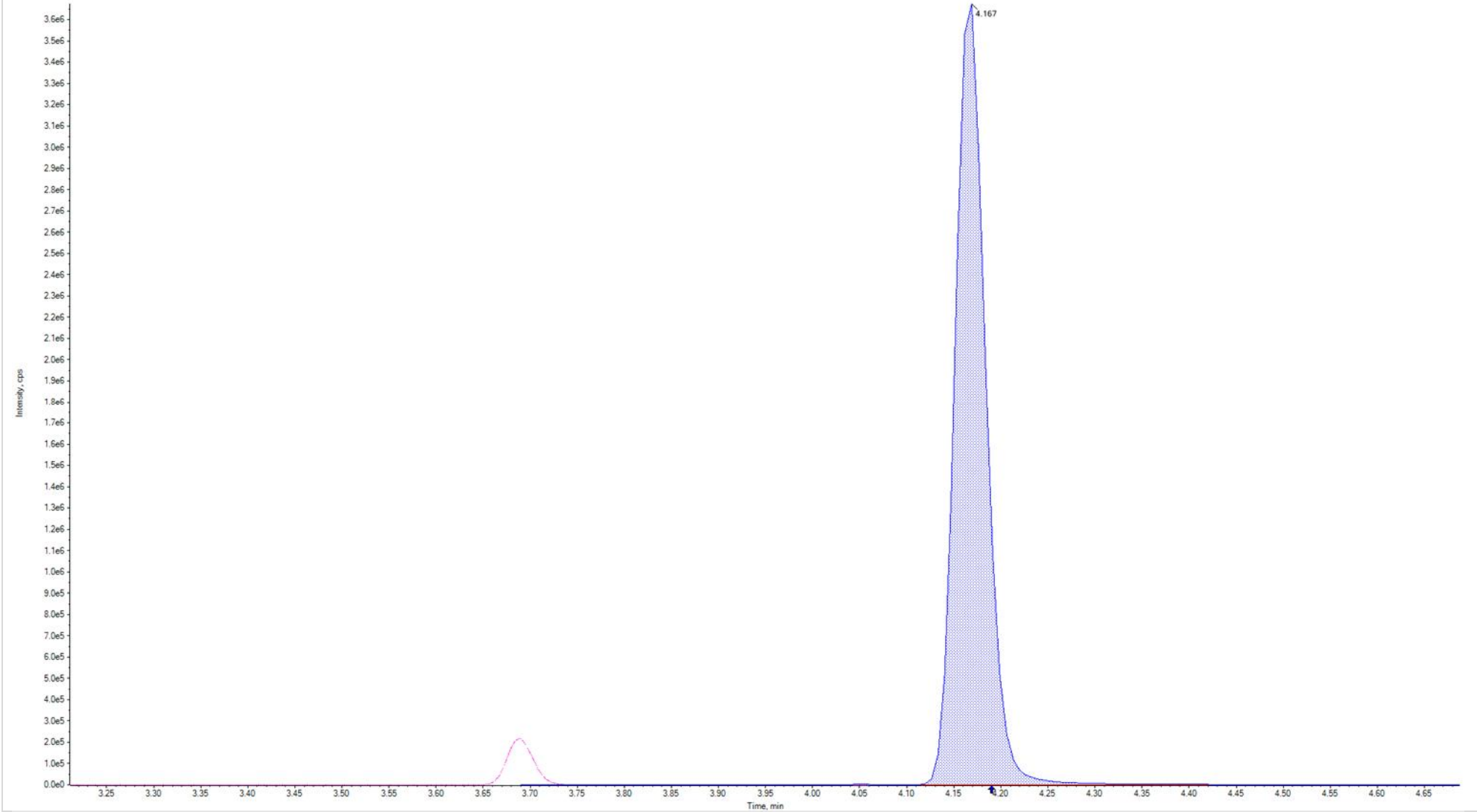


7:3FTCA
Sample: IA1633STD-5.0 S/N:62361.8 Points Across peak:39



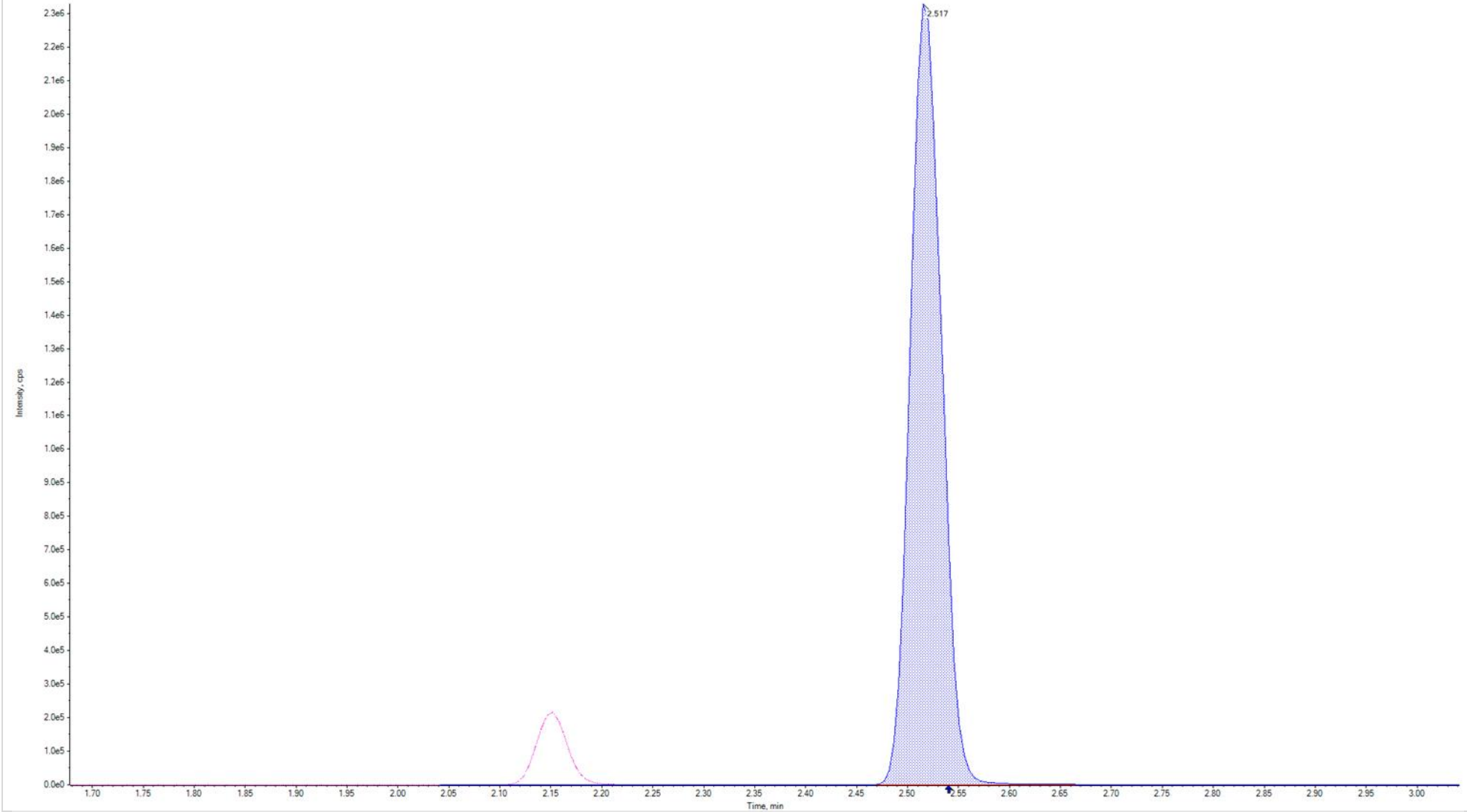
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

7:3FTCA_2
Sample: IA1633STD-5.0 S/N:94537.8 Points Across peak:53



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFEESA
Sample: IA1633STD-5.0 S/N:52529.7 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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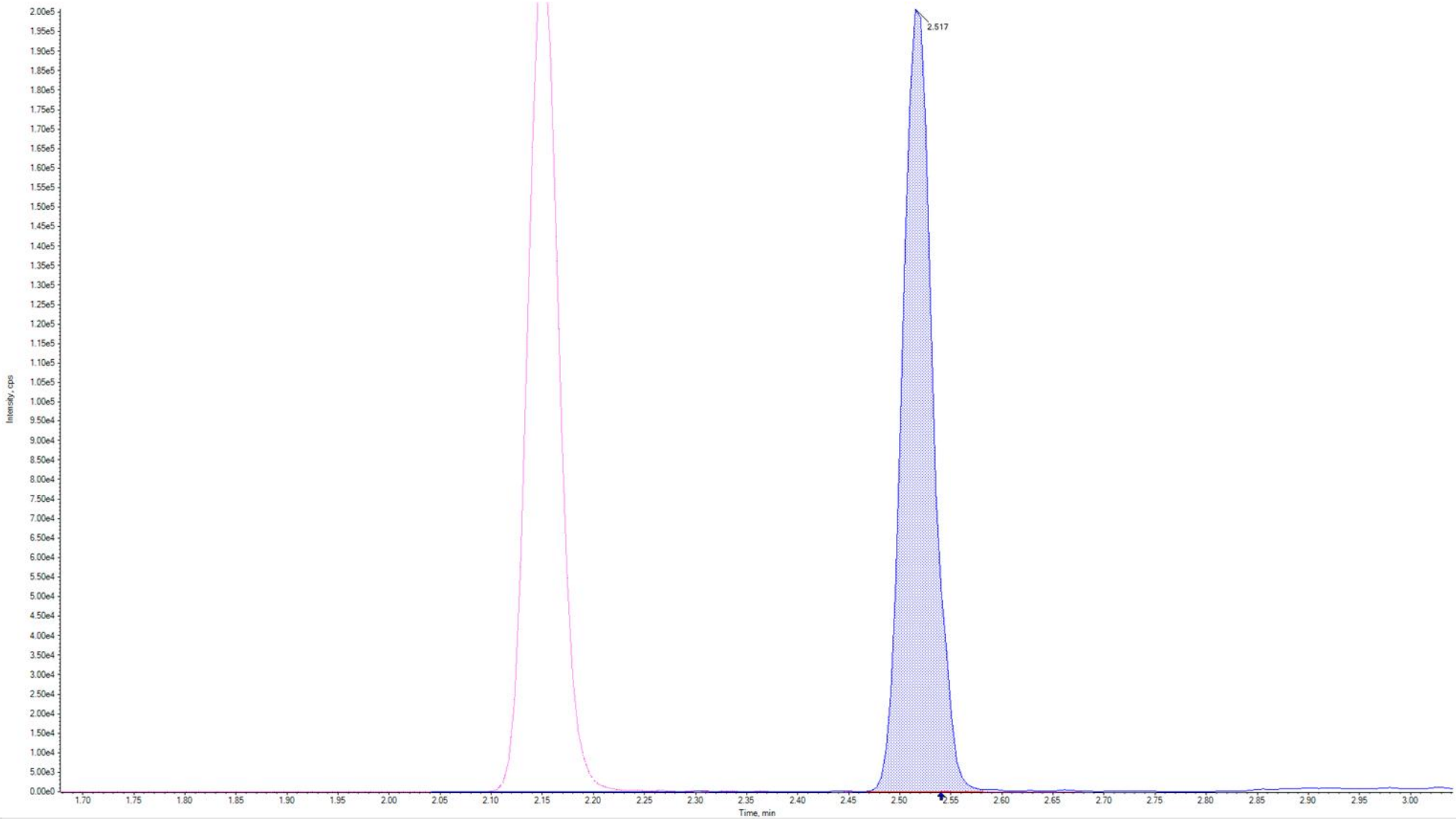
PFEESA_2
Sample: IA1633STD-5.0 S/N:2487.1 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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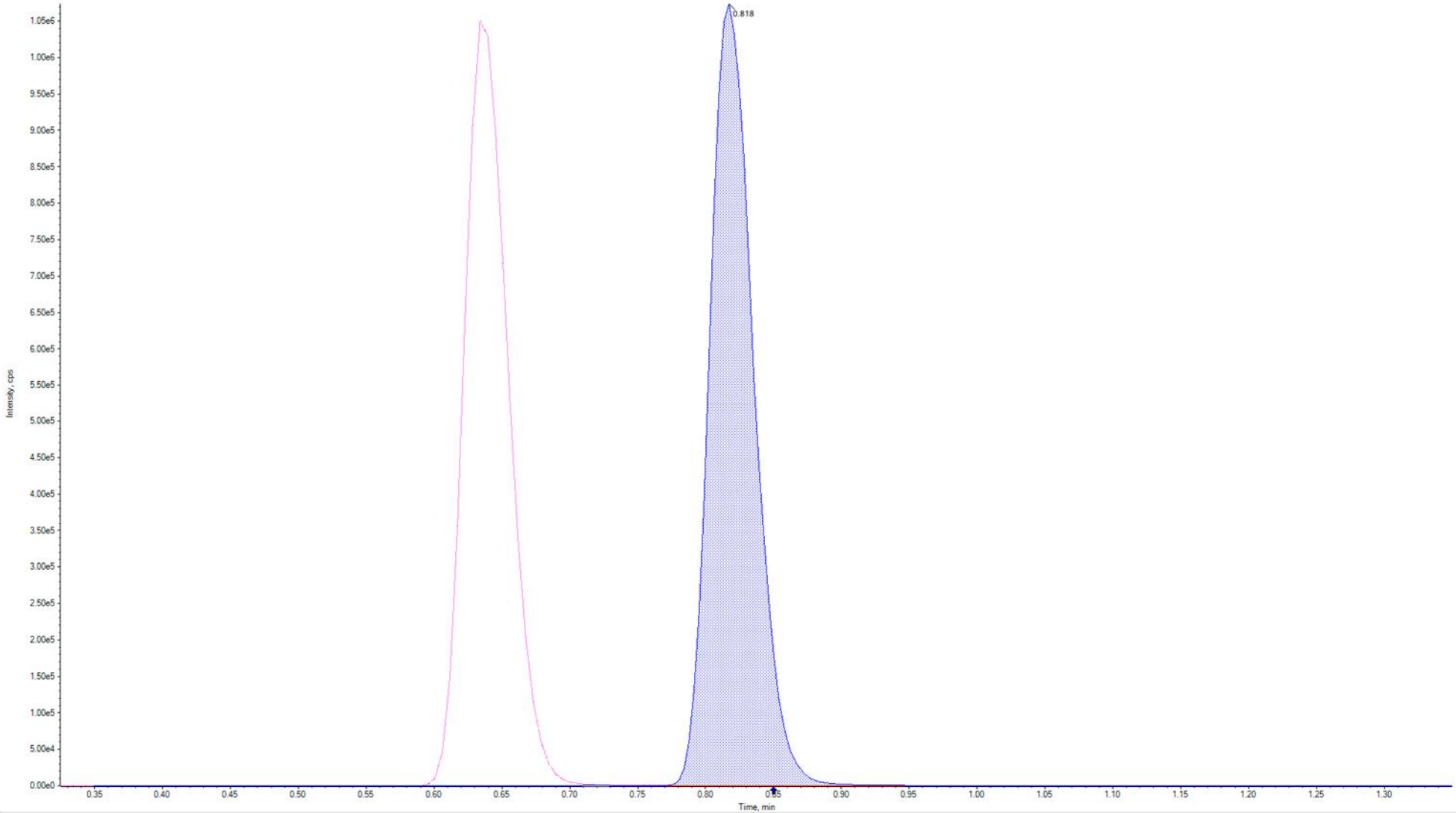
PFMPA
Sample: IA1633STD-5.0 S/N:14266.6 Points Across peak:56



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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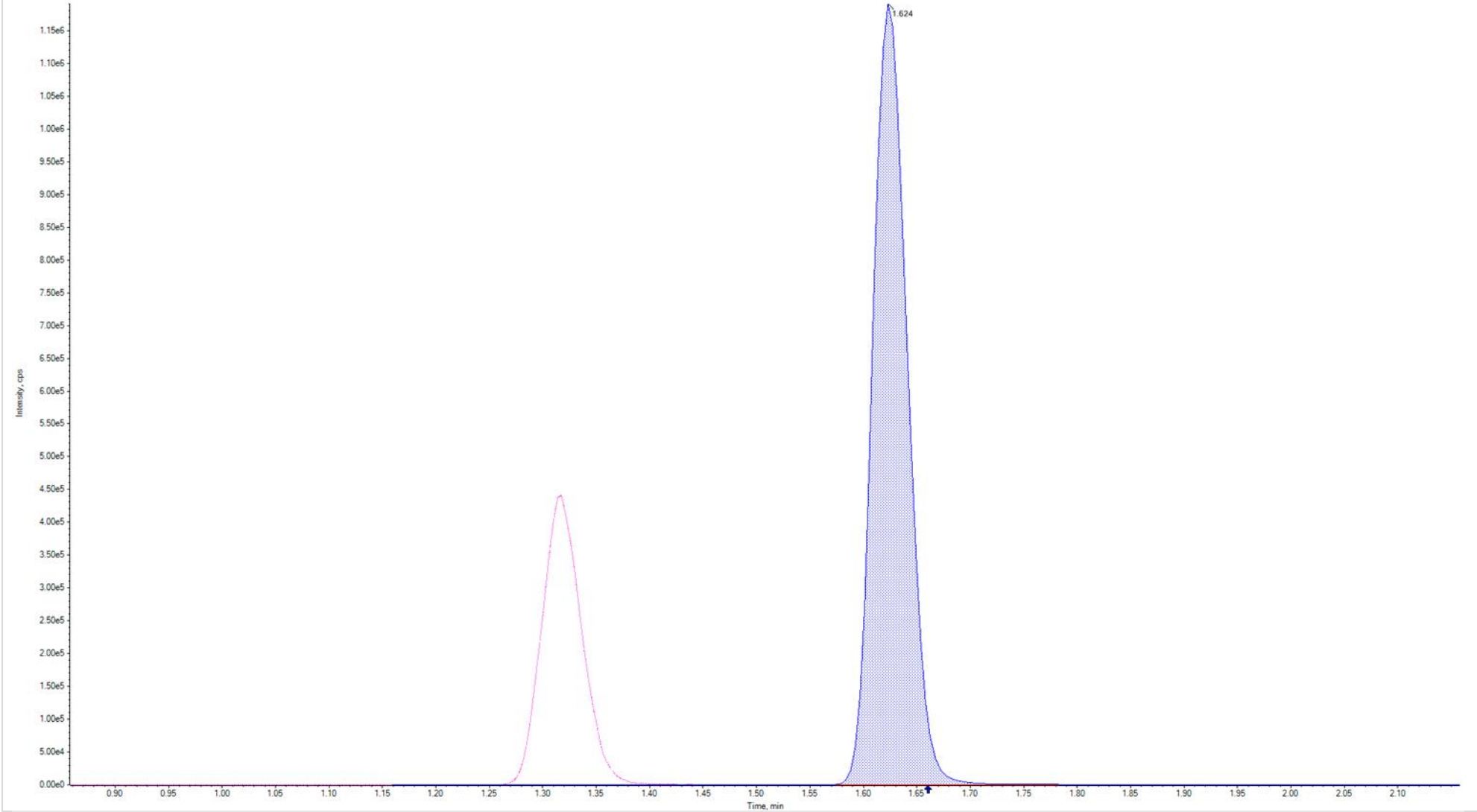
PFMBA
Sample: IA1633STD-5.0 S/N:23827.2 Points Across peak:52



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:19:49 PM
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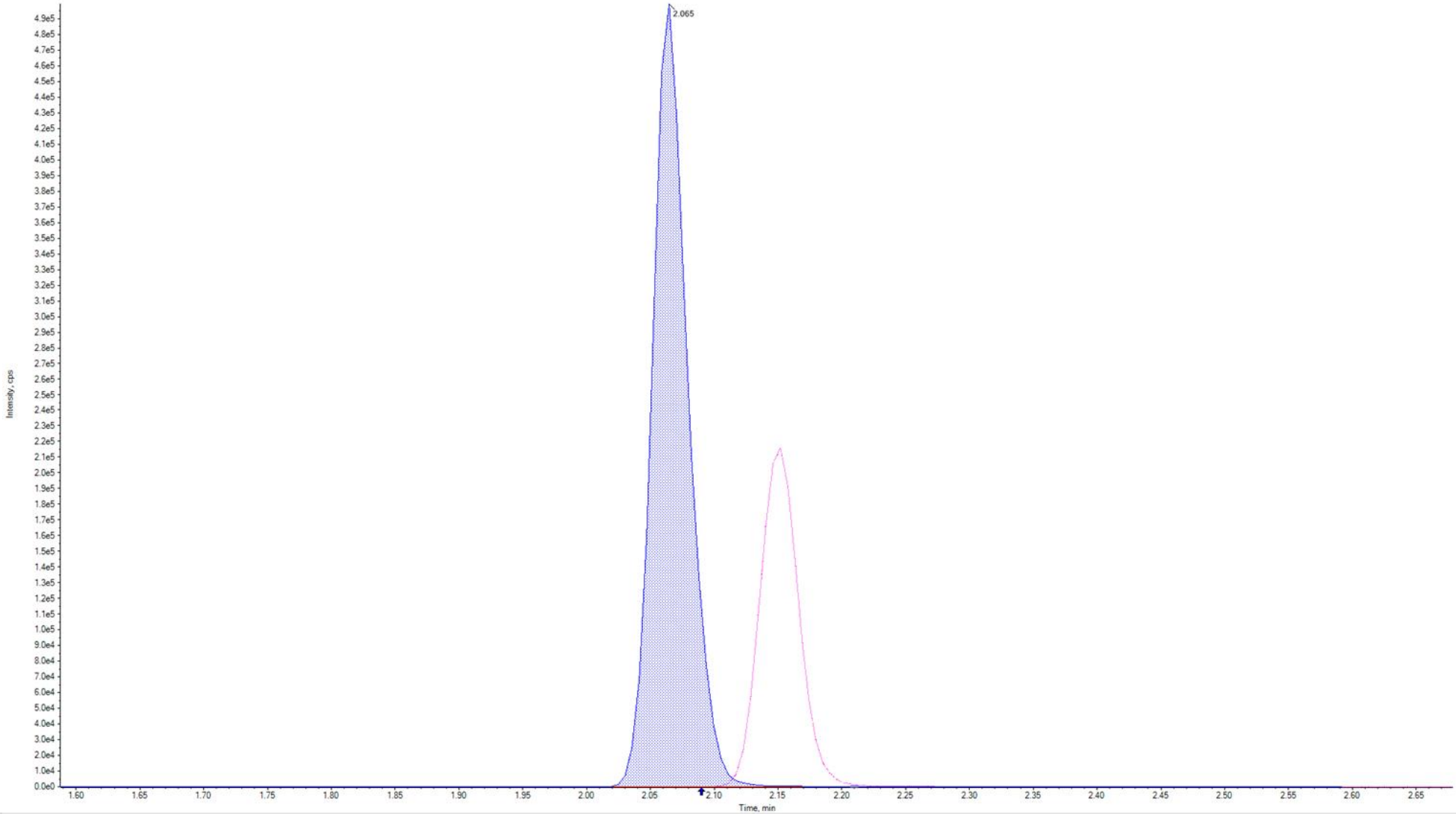
NFDHA
Sample: IA1633STD-5.0 S/N:8136.5 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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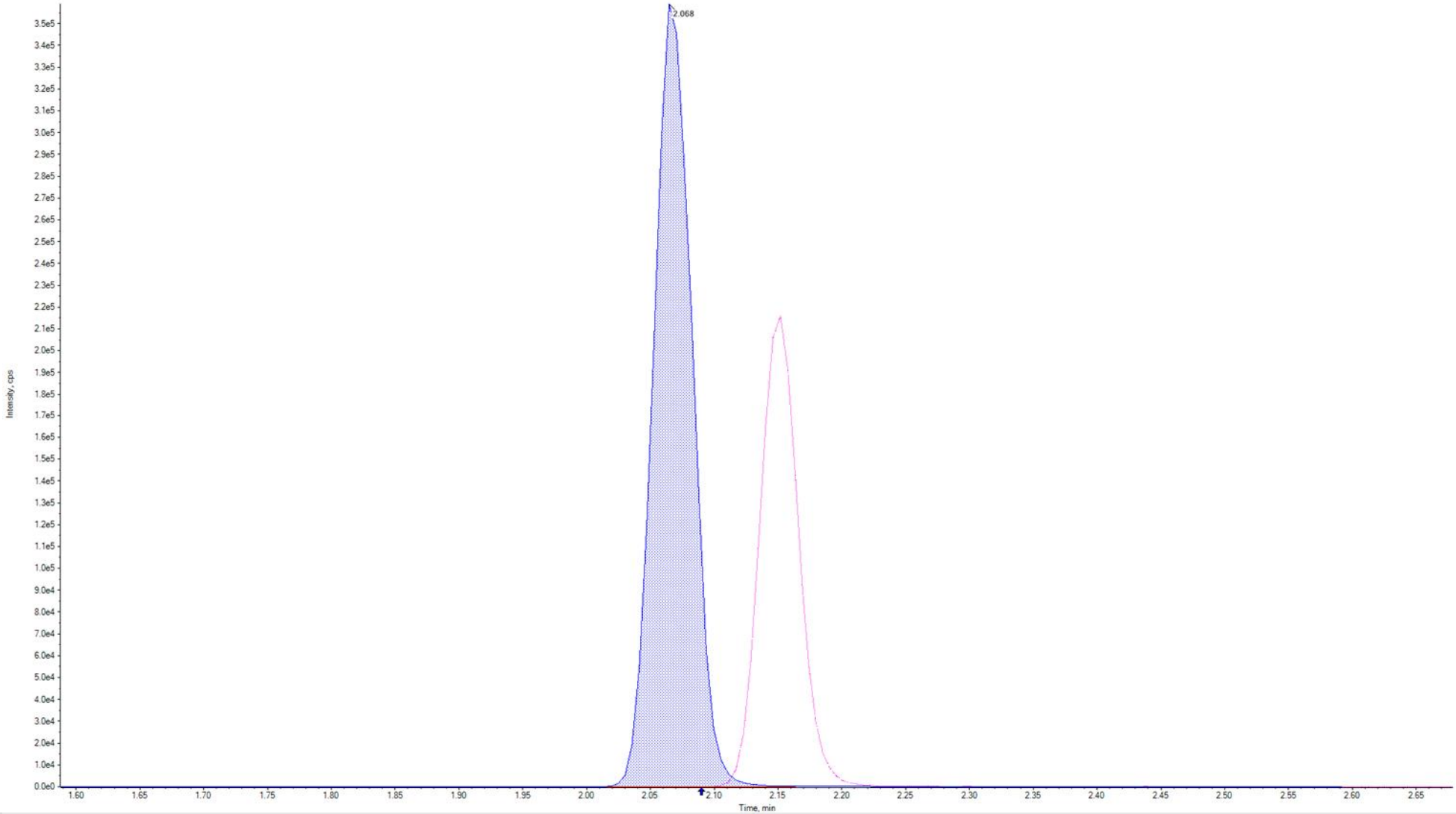
NFDHA_2
Sample: IA1633STD-5.0 S/N:9898.4 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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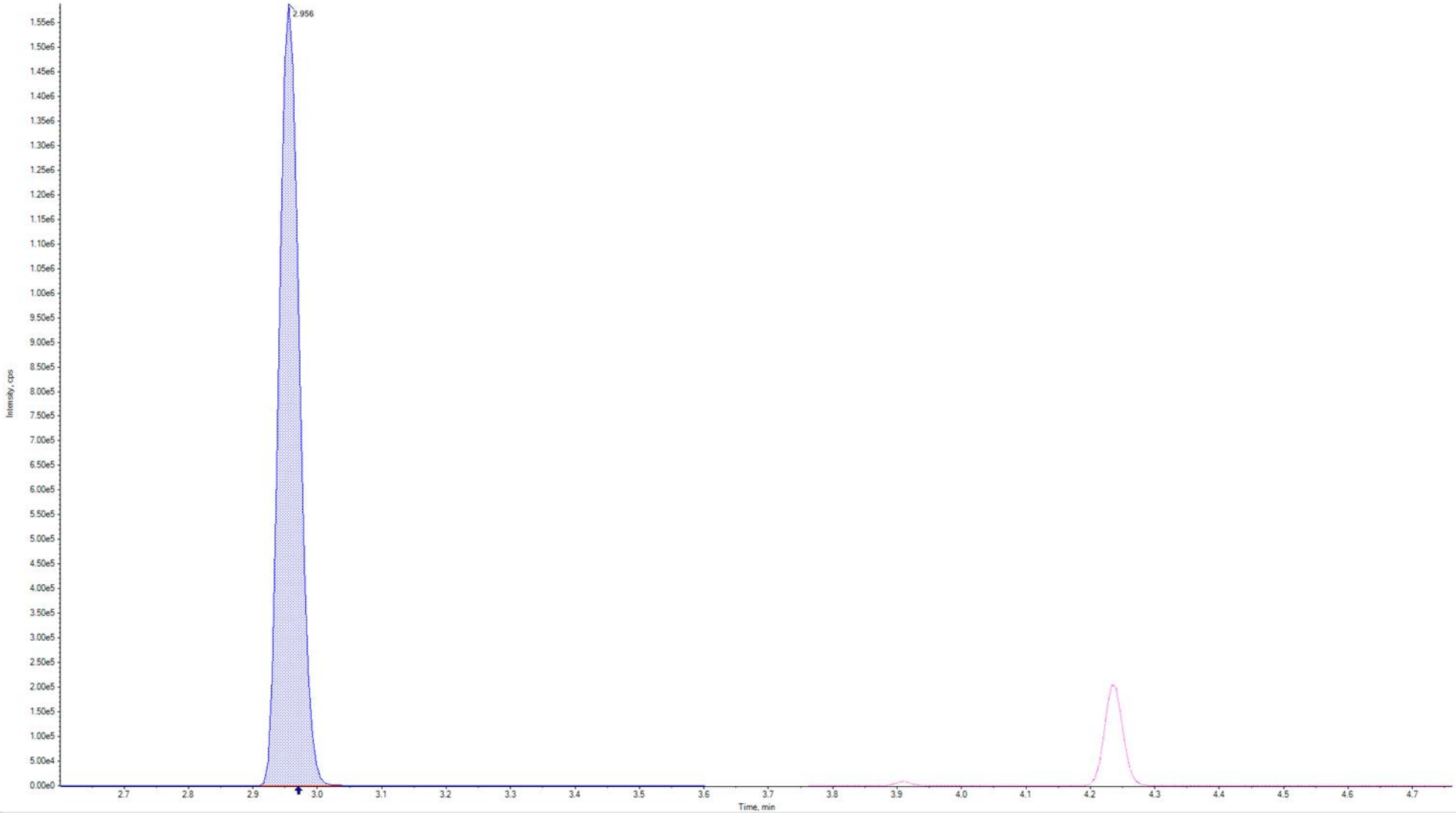
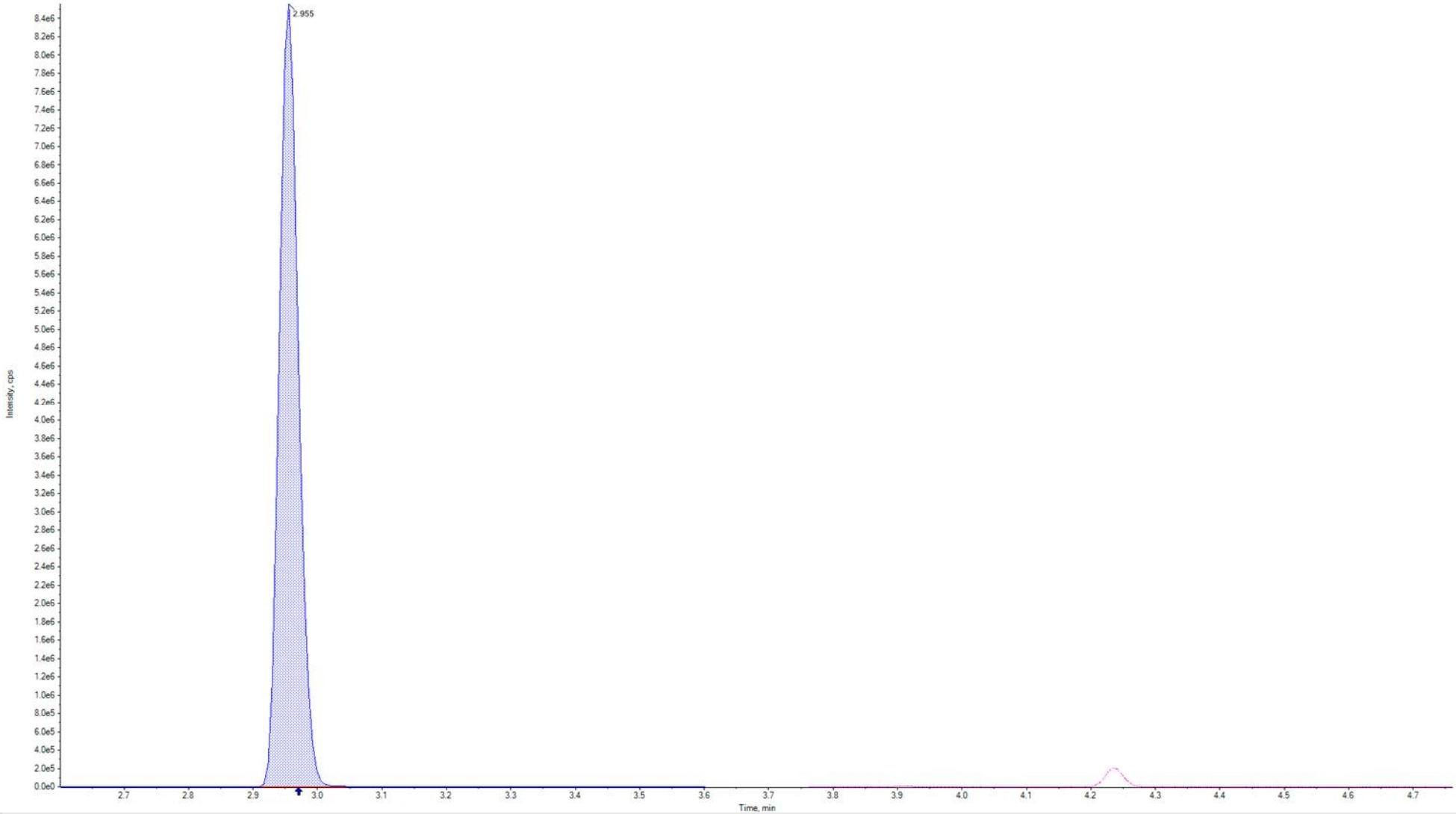
TDCA
Sample: IA1633STD-5.0 S/N:14614.4 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

TDCA_2
Sample: IA1633STD-5.0 S/N:171596.8 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:19:49 PM
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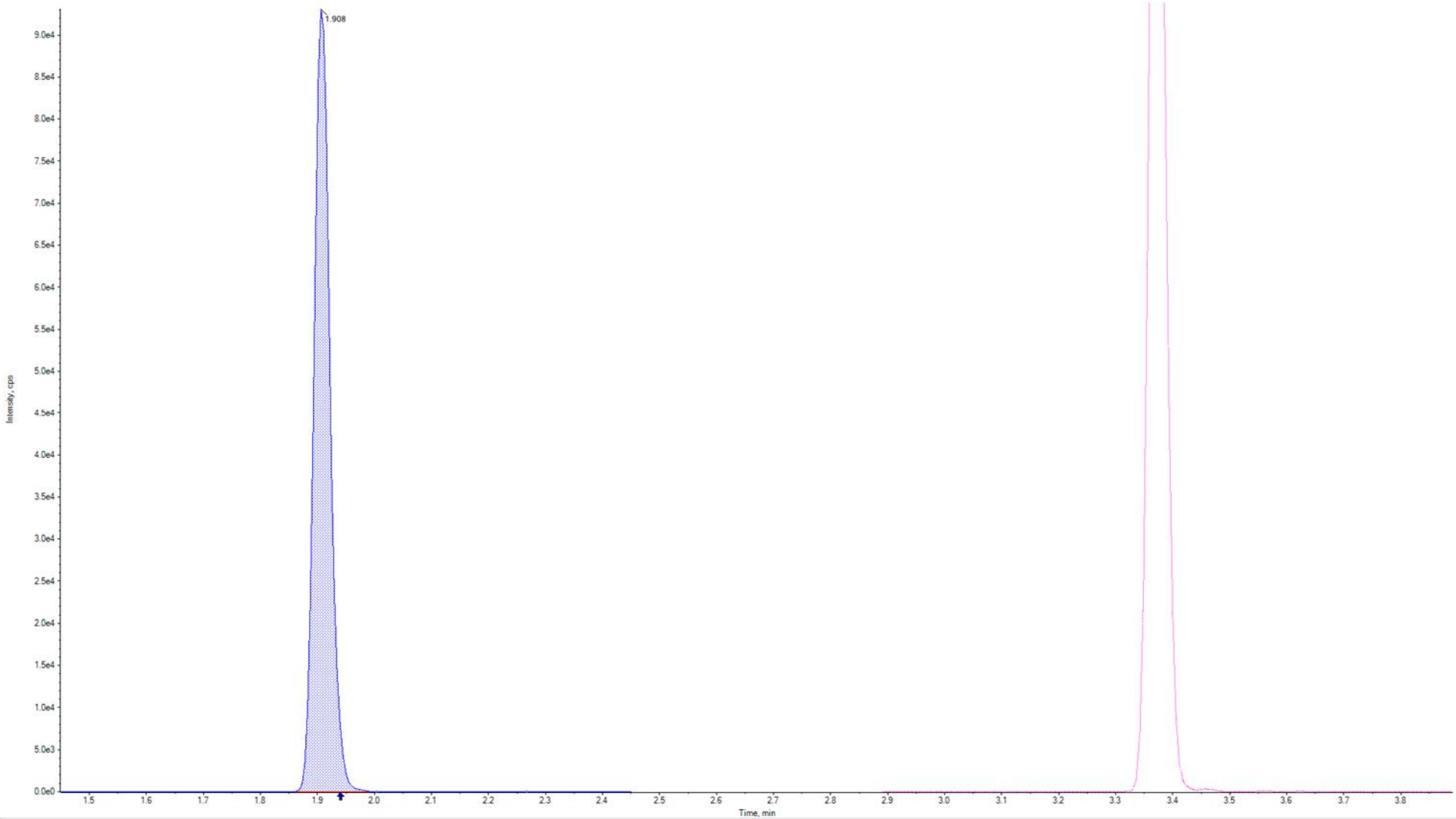
13C2D4-4:2FTS
Sample: IA1633STD-5.0 S/N:3499.2 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
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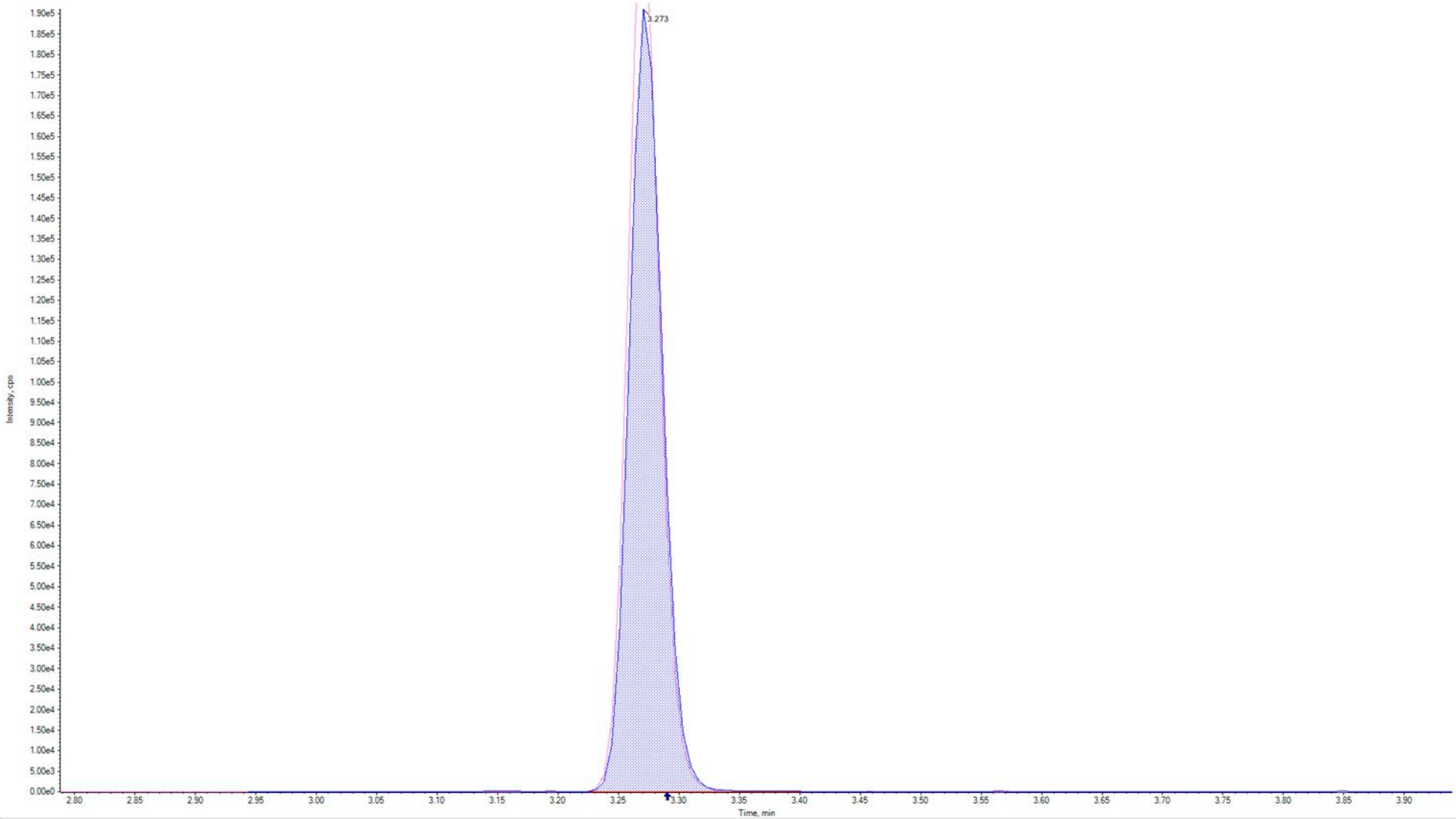
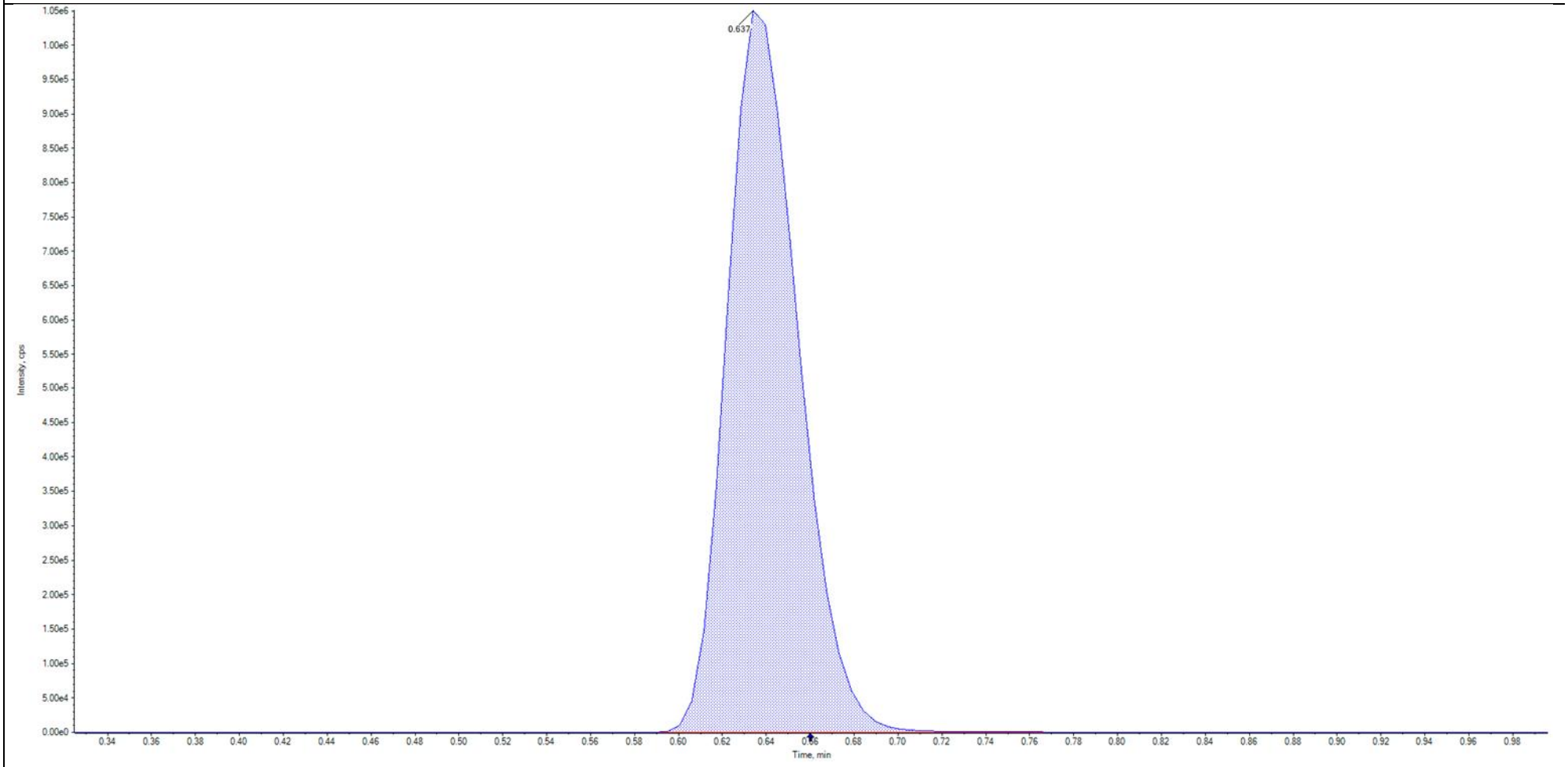
Generated: 11/15/2024 2:54:34 PM

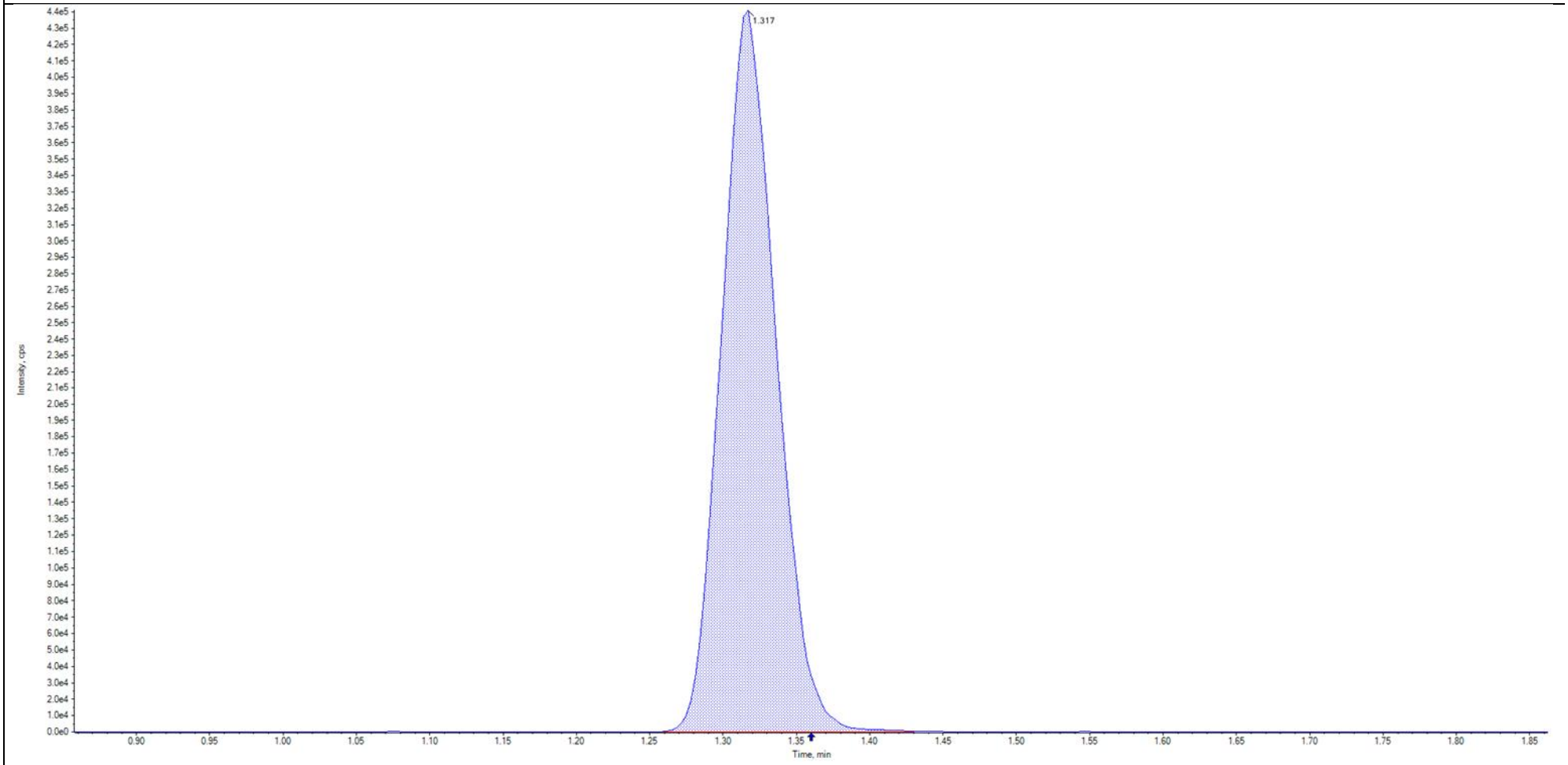
13C2-PFOA
Sample: IA1633STD-5.0 S/N:3726.9 Points Across peak:33



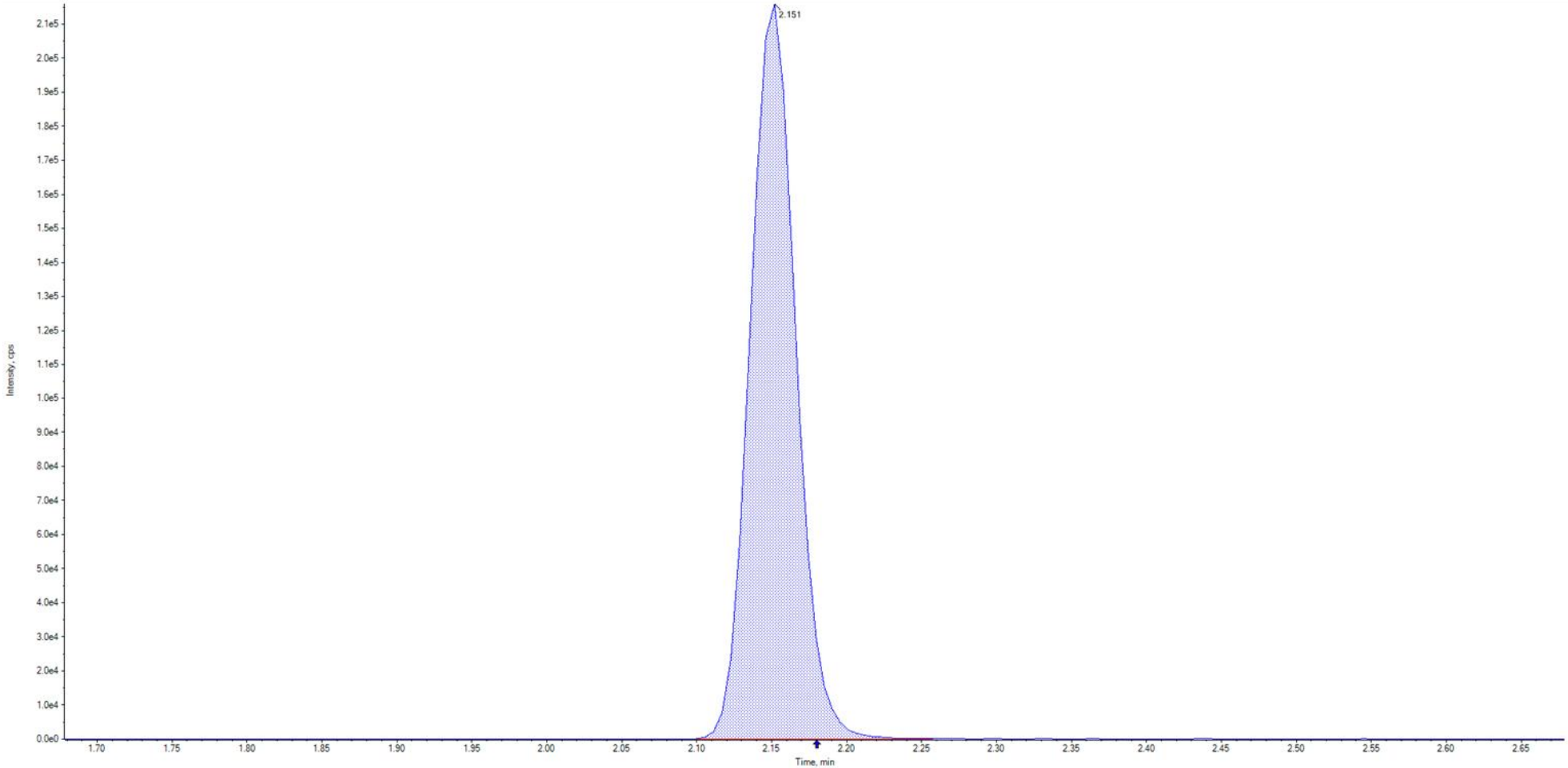
13C4-PFBA
Sample: IA1633STD-5.0



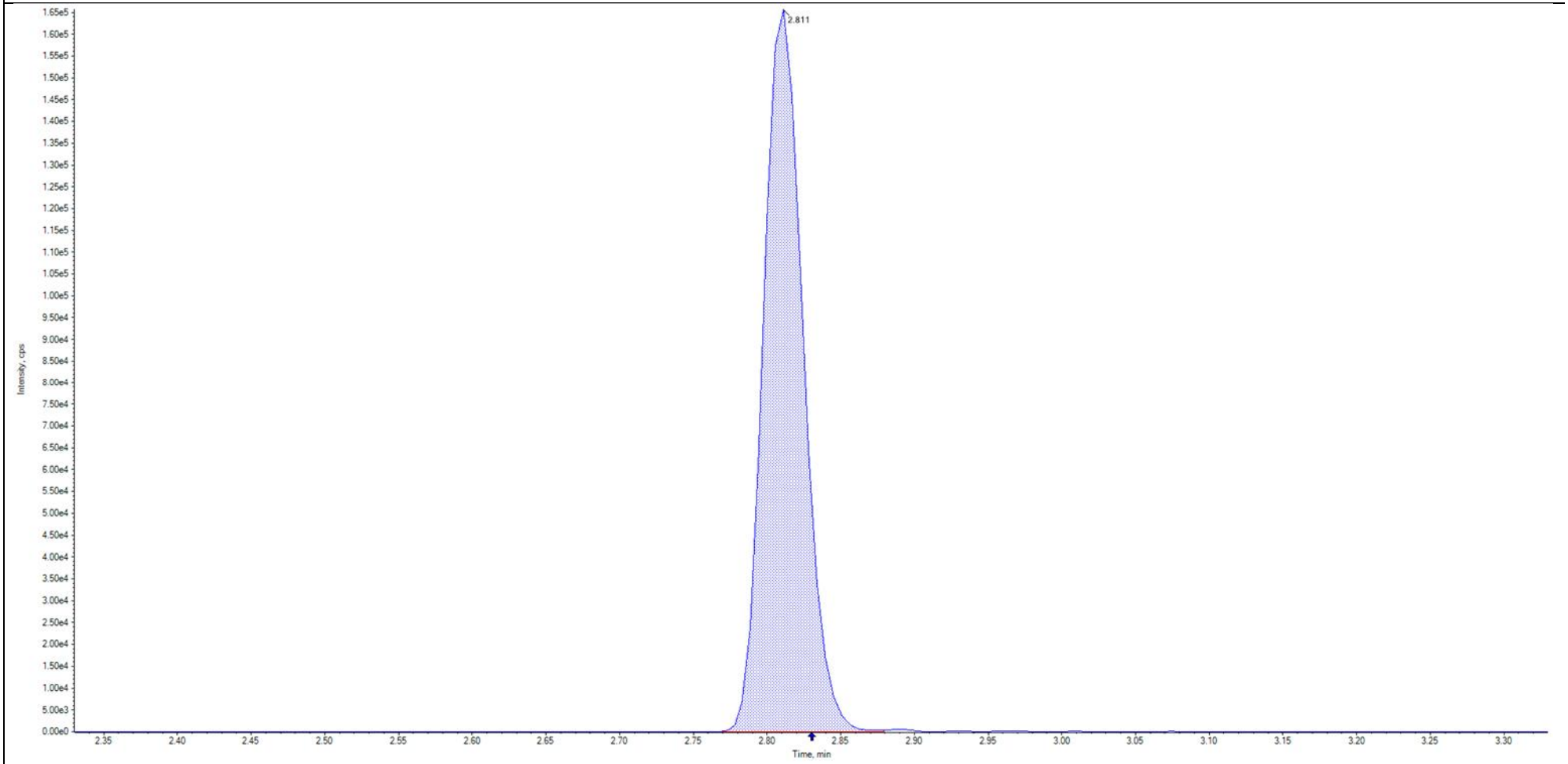
13C5-PFPeA
Sample: IA1633STD-5.0



13C5-PFHxA
Sample: IA1633STD-5.0



13C4-PFHpA
Sample: IA1633STD-5.0



13C8-PFOA
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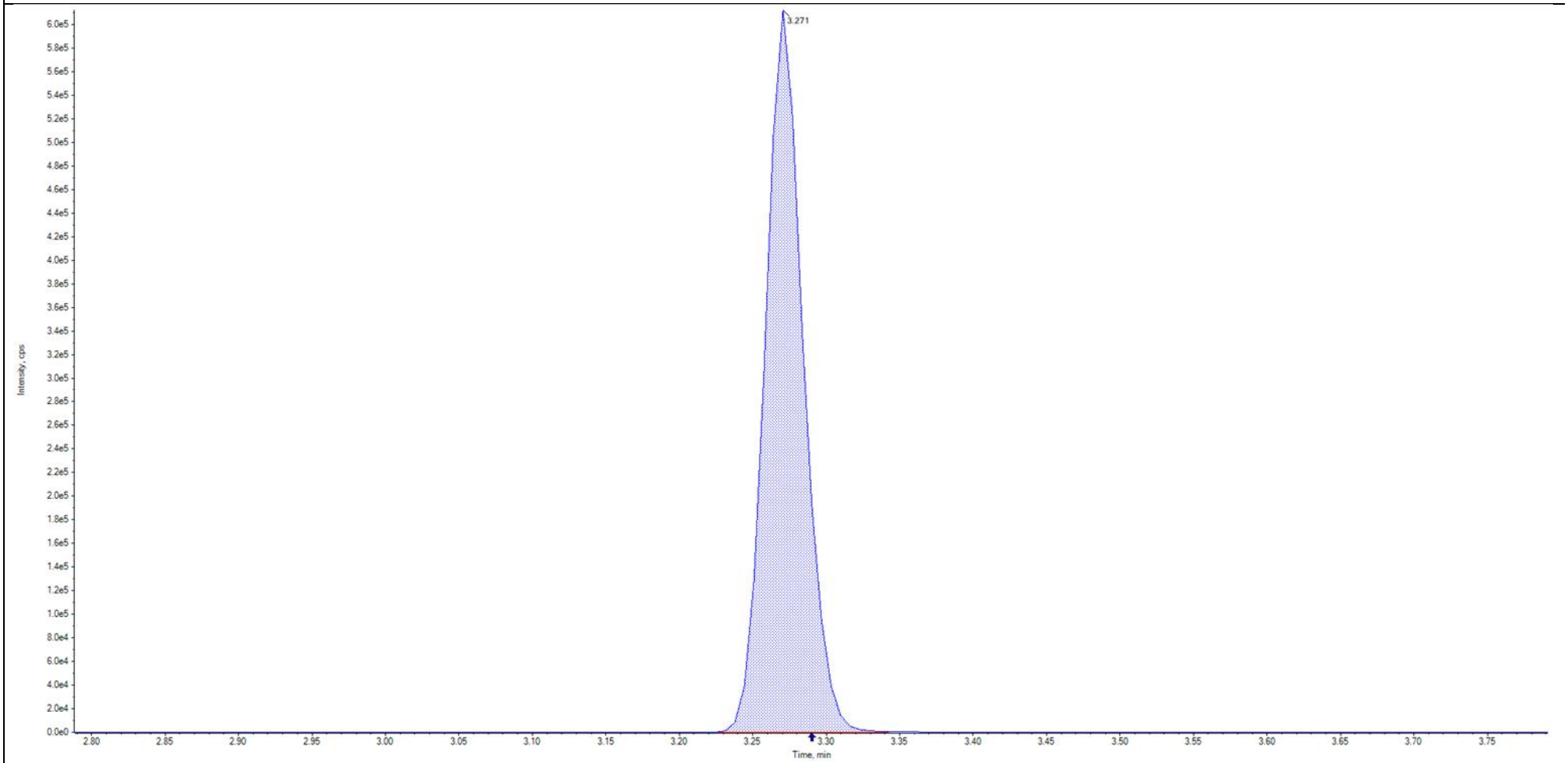
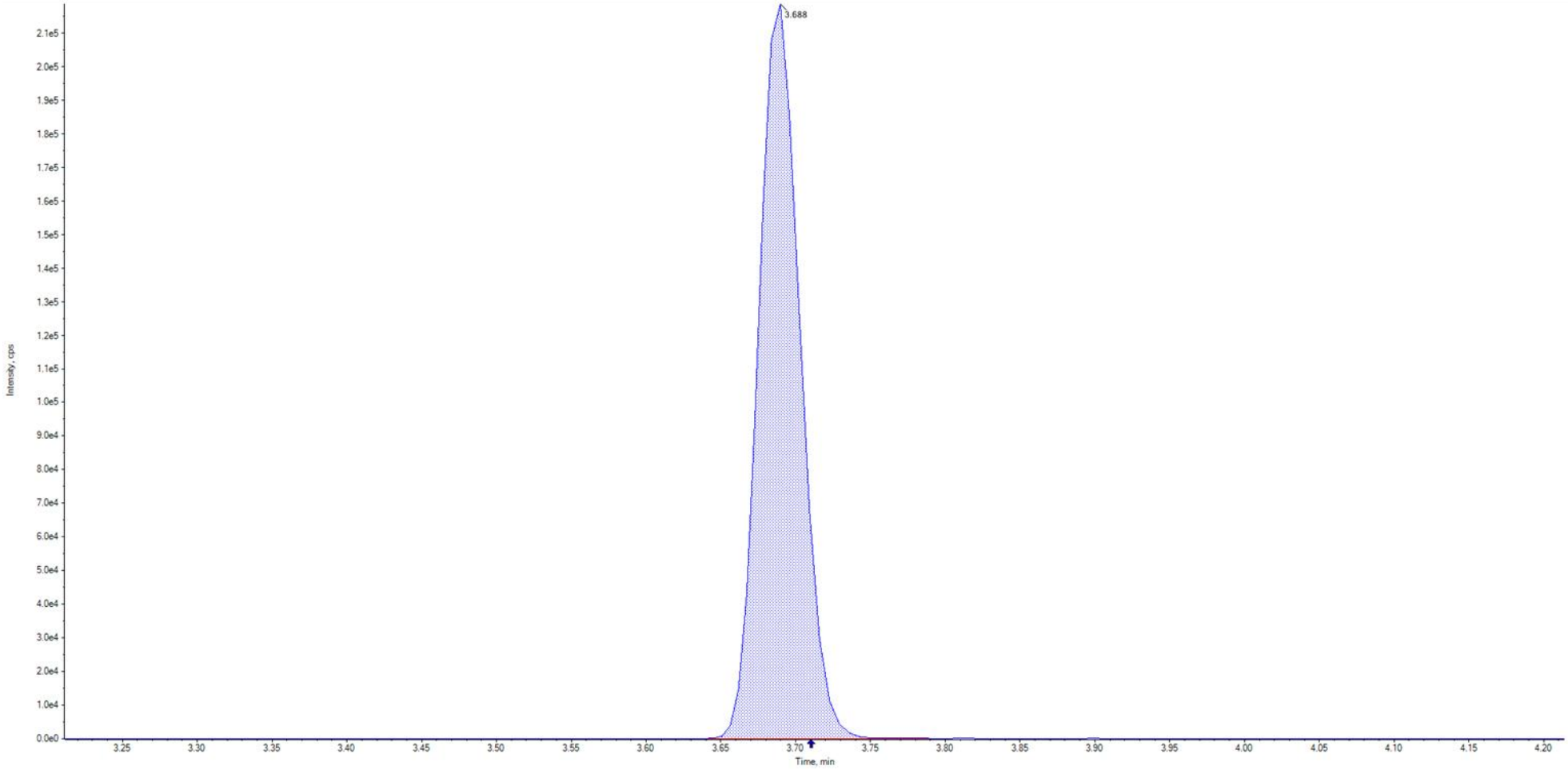


13C9-PFNA
Sample: IA1633STD-5.0



13C6-PFDA
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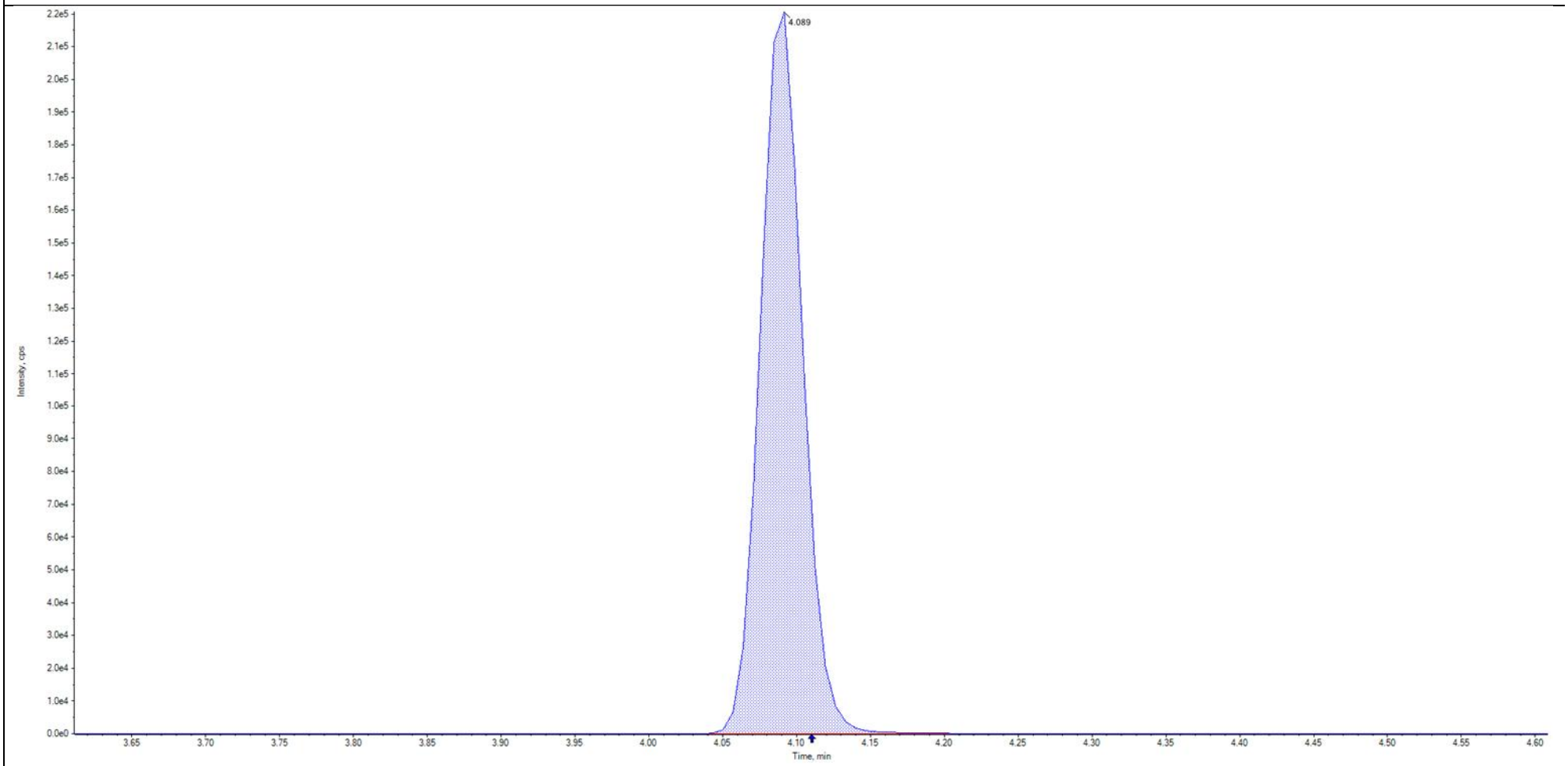
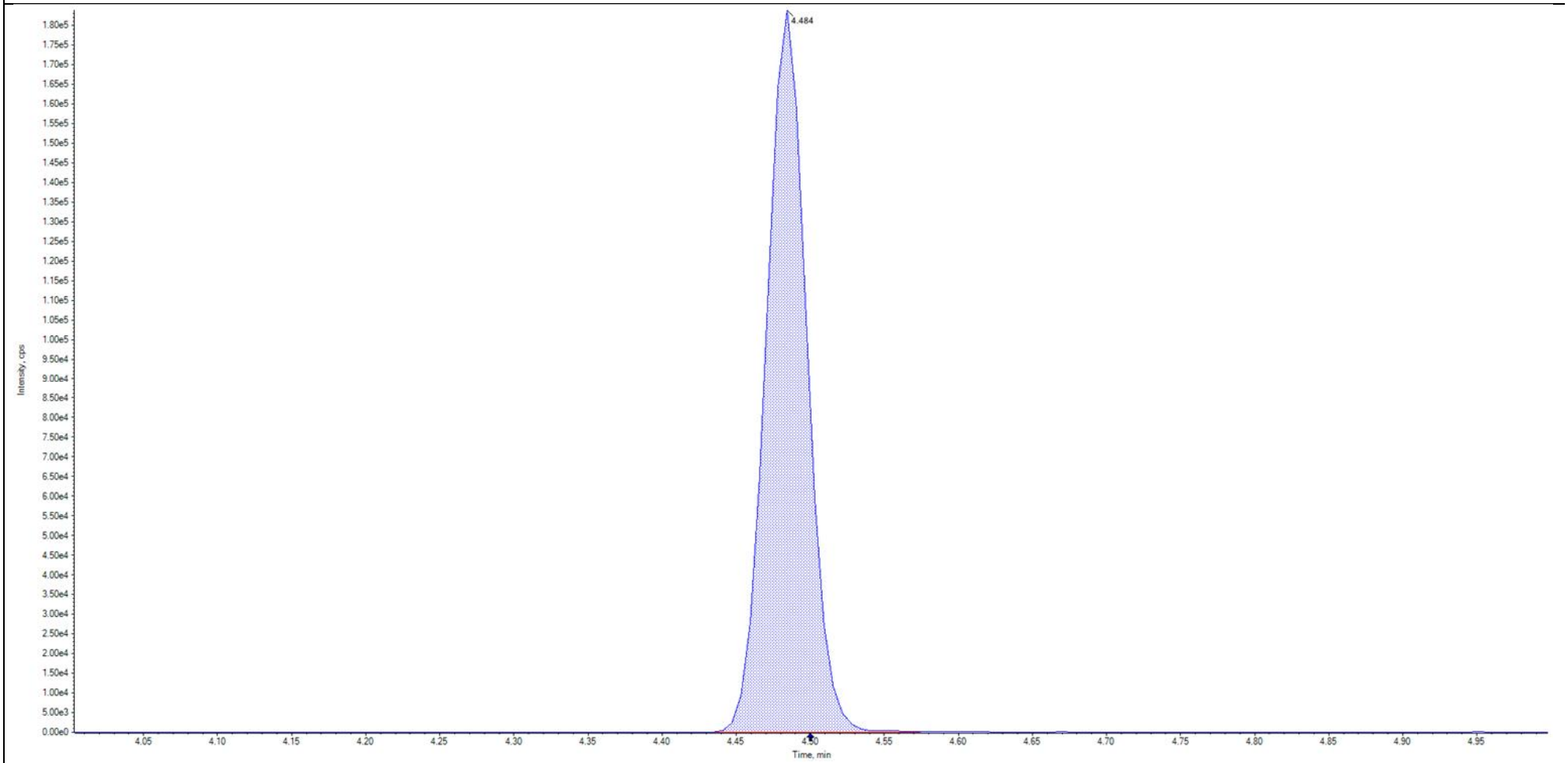
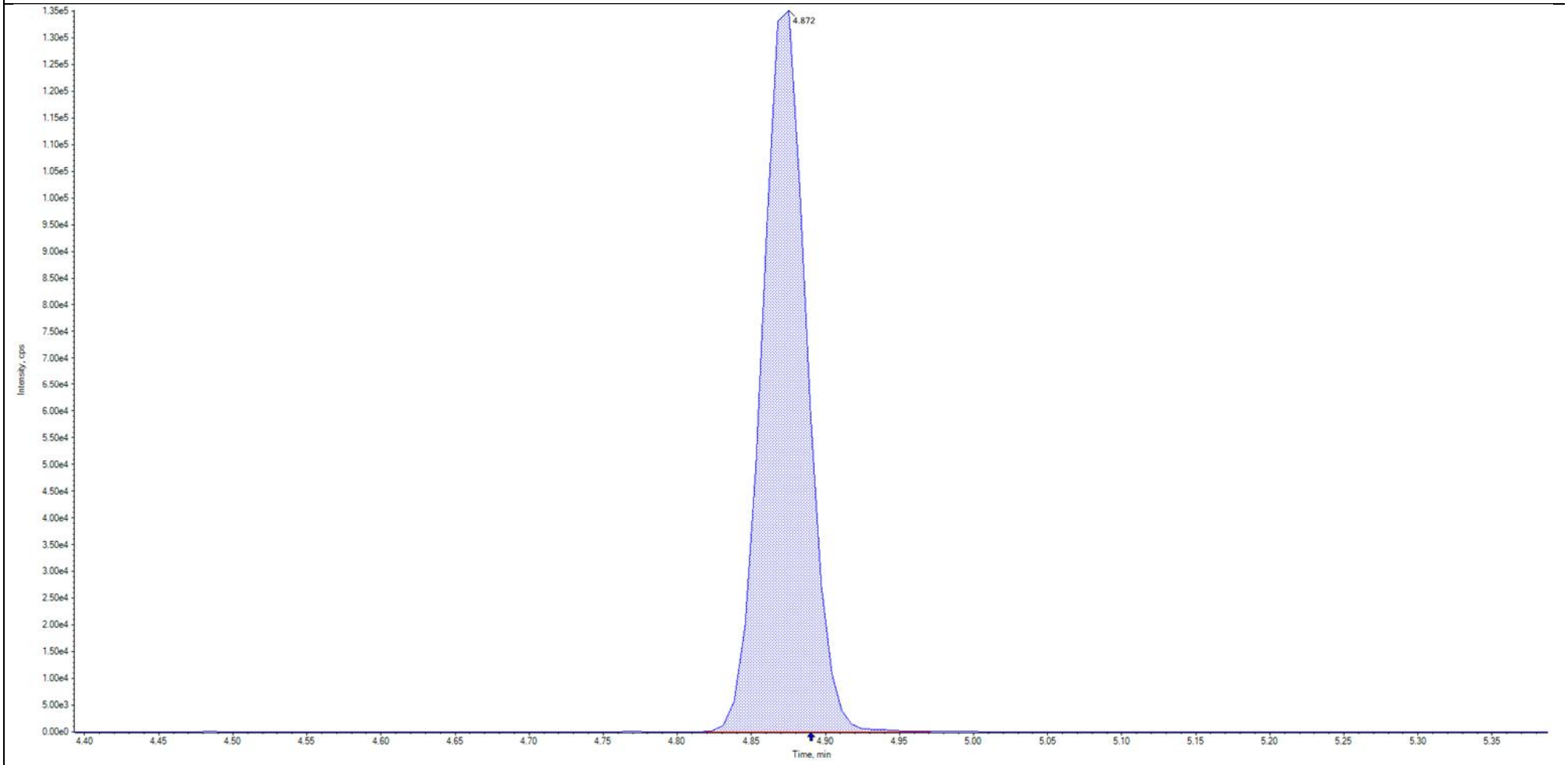


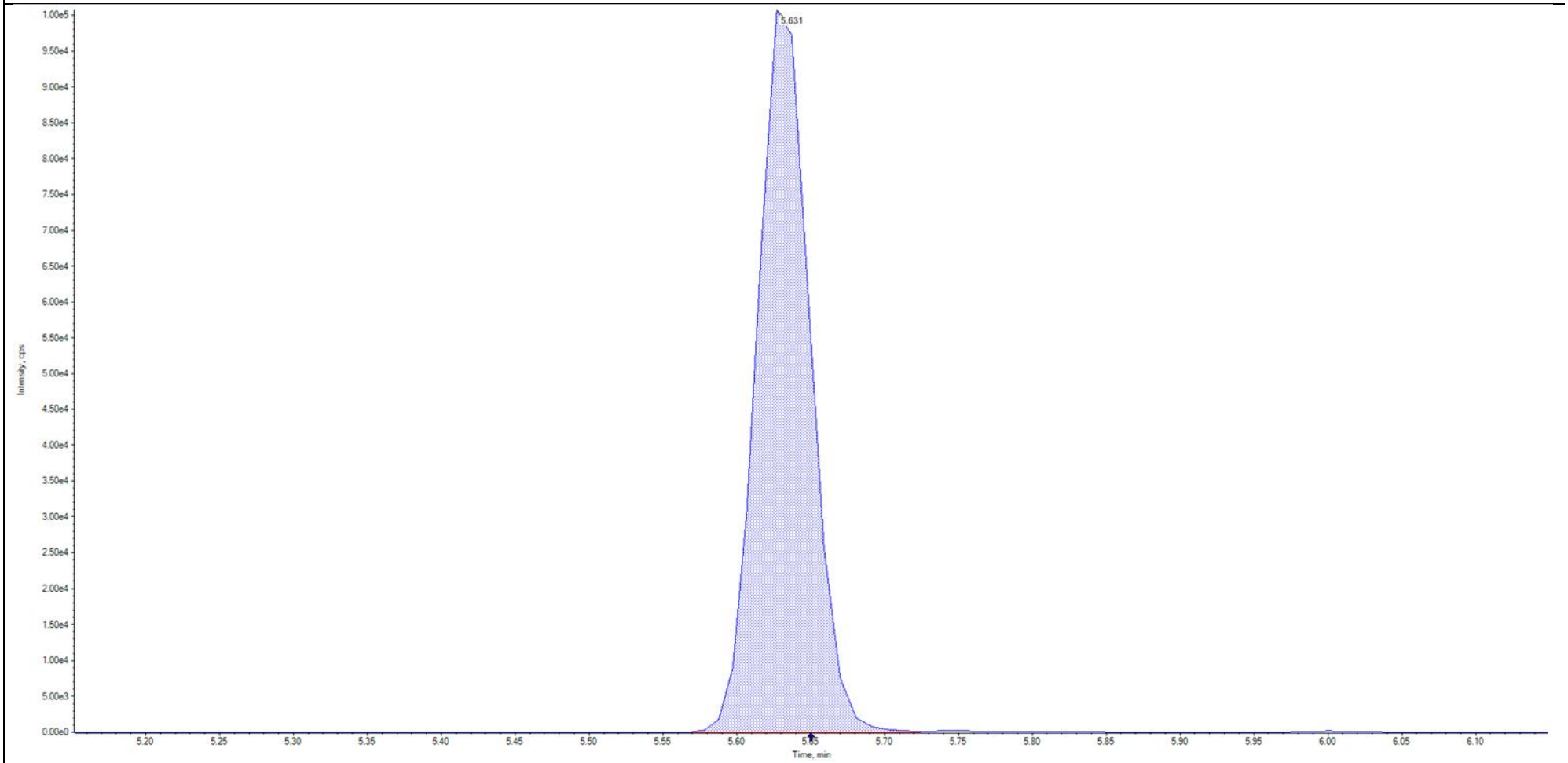
13C7-PFUnA
Sample: IA1633STD-5.0



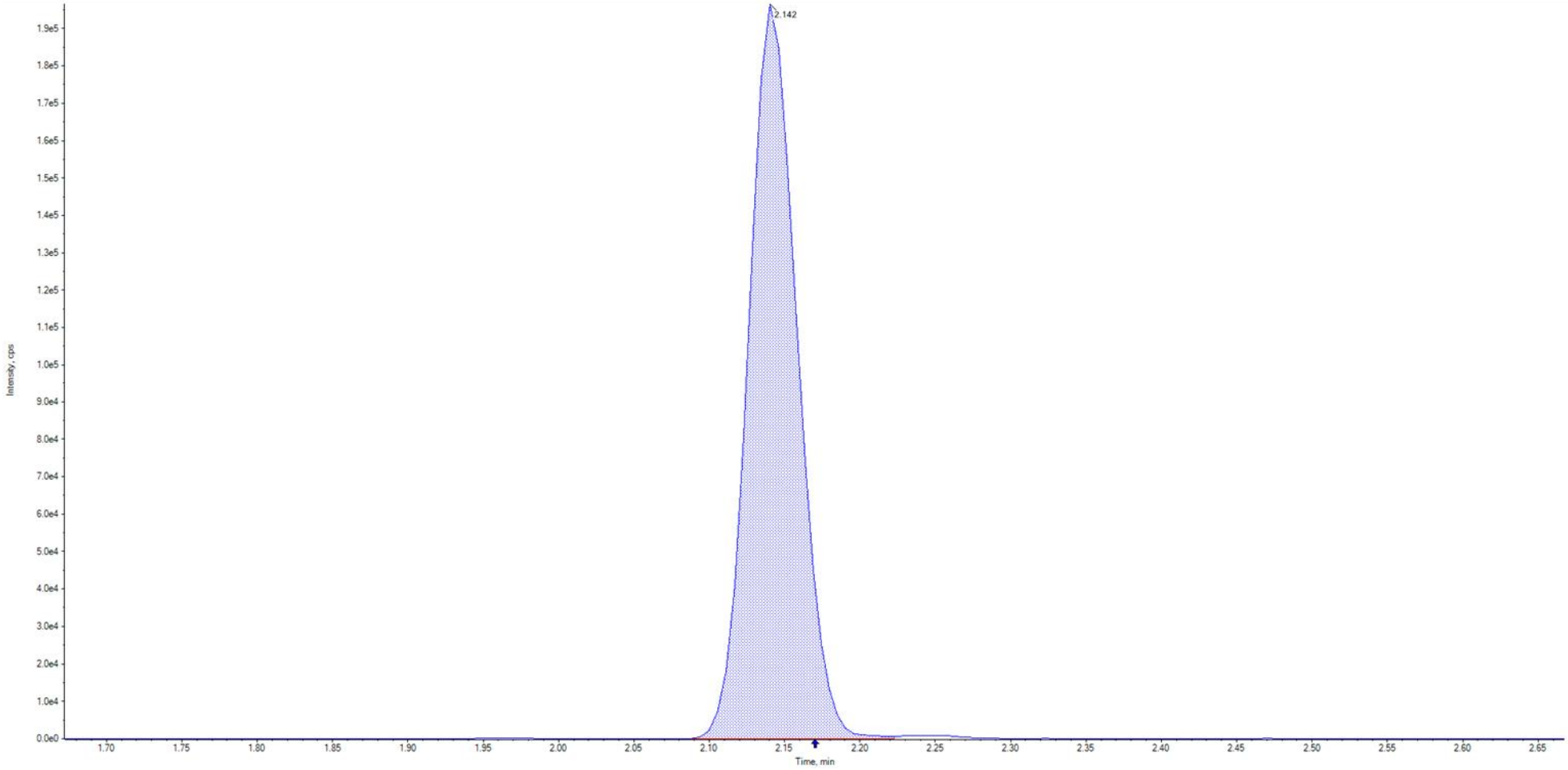
13C2-PFDoA
Sample: IA1633STD-5.0



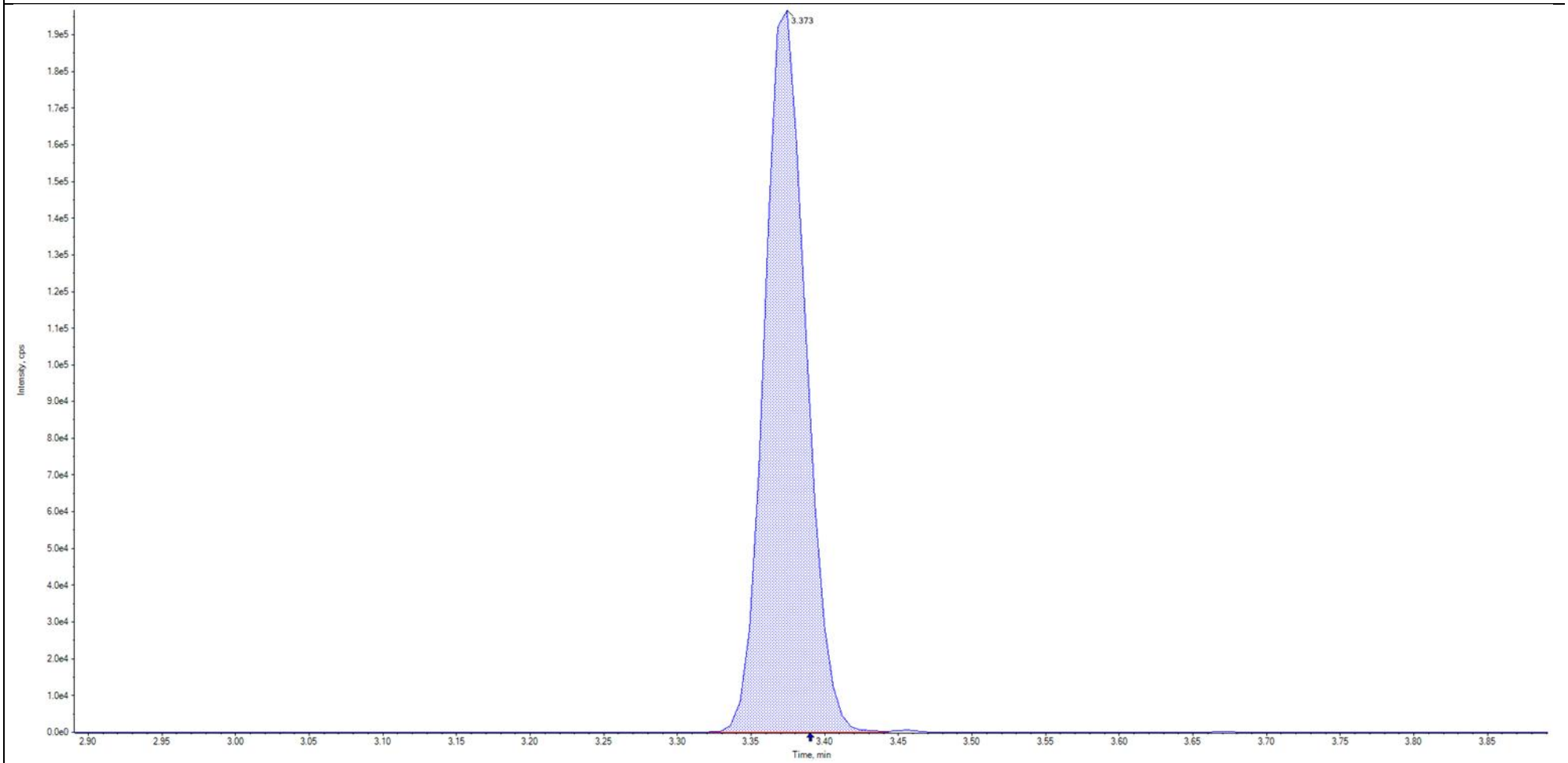
13C2-PFTeDA
Sample: IA1633STD-5.0



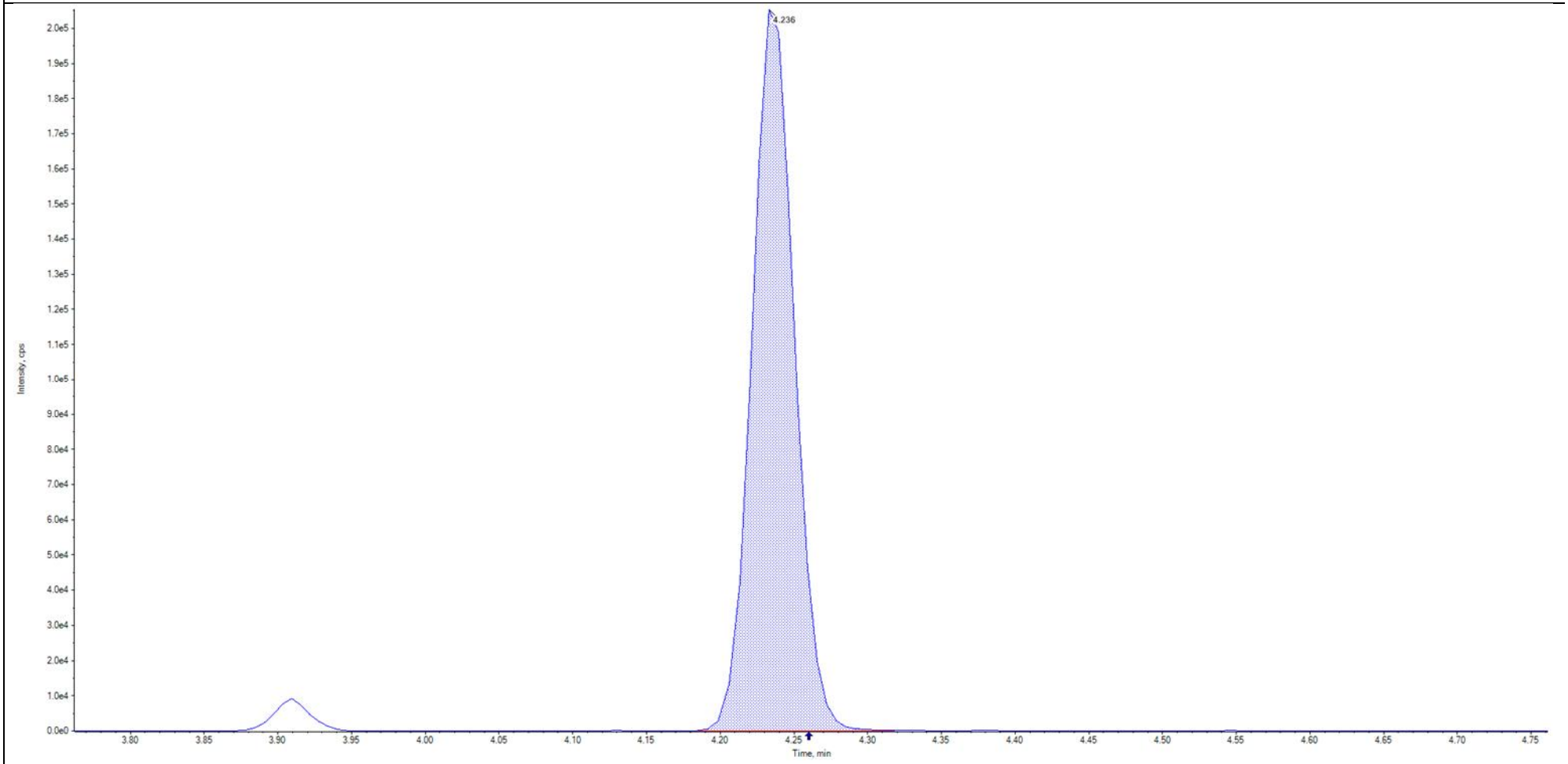
13C3-PFBS
Sample: IA1633STD-5.0



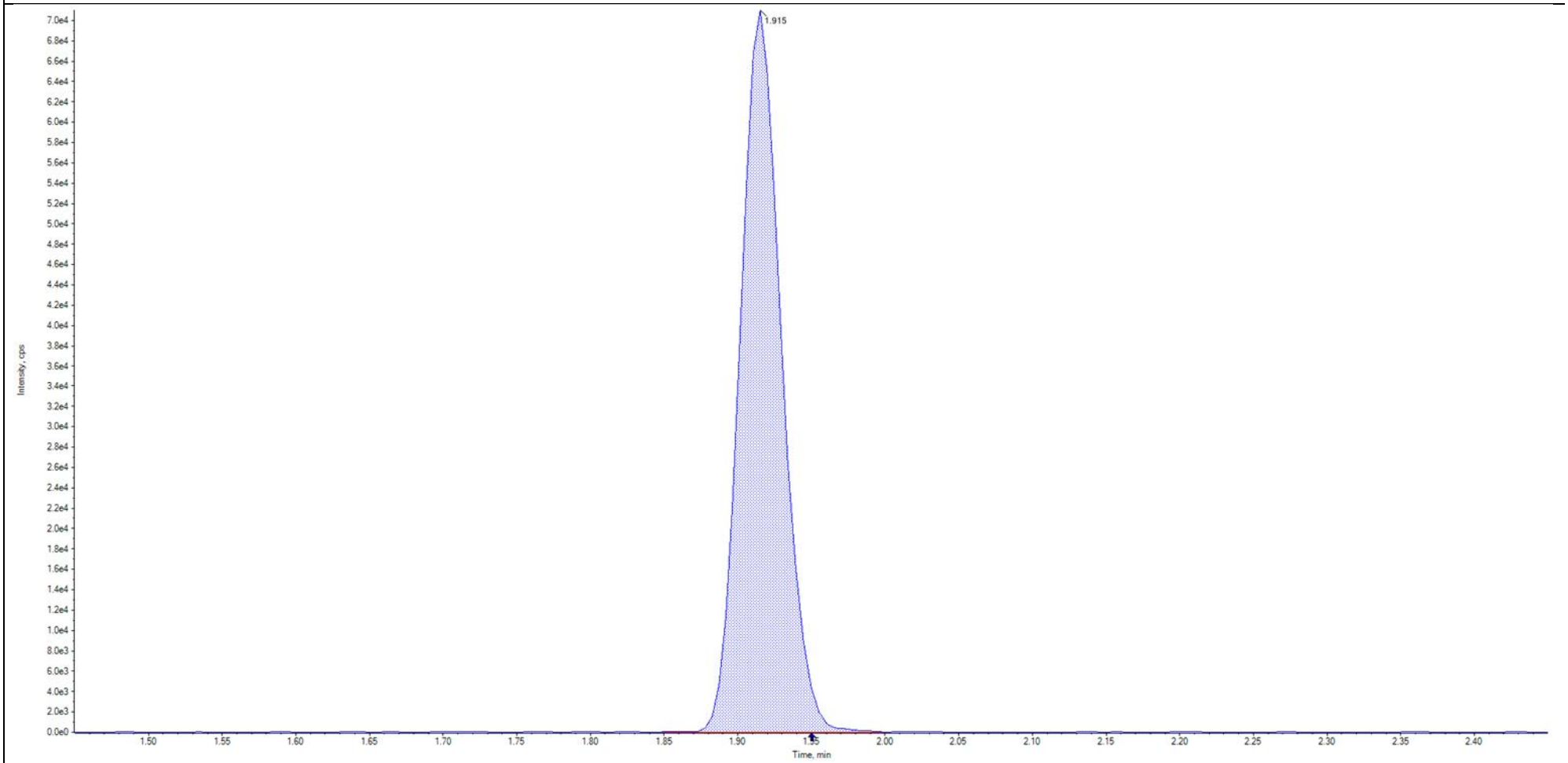
13C3-PFHxS
Sample: IA1633STD-5.0



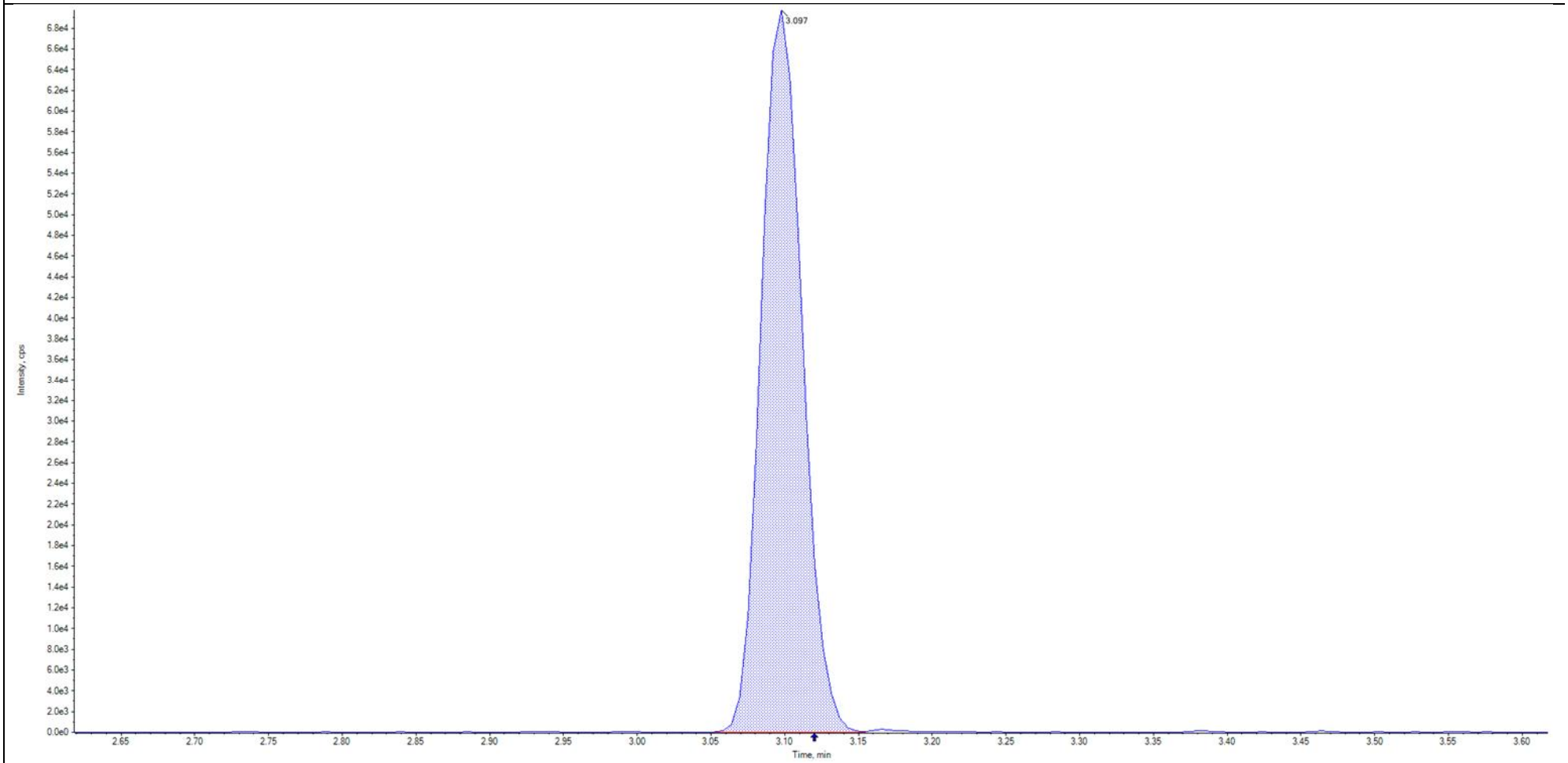
13C8-PFOS
Sample: IA1633STD-5.0



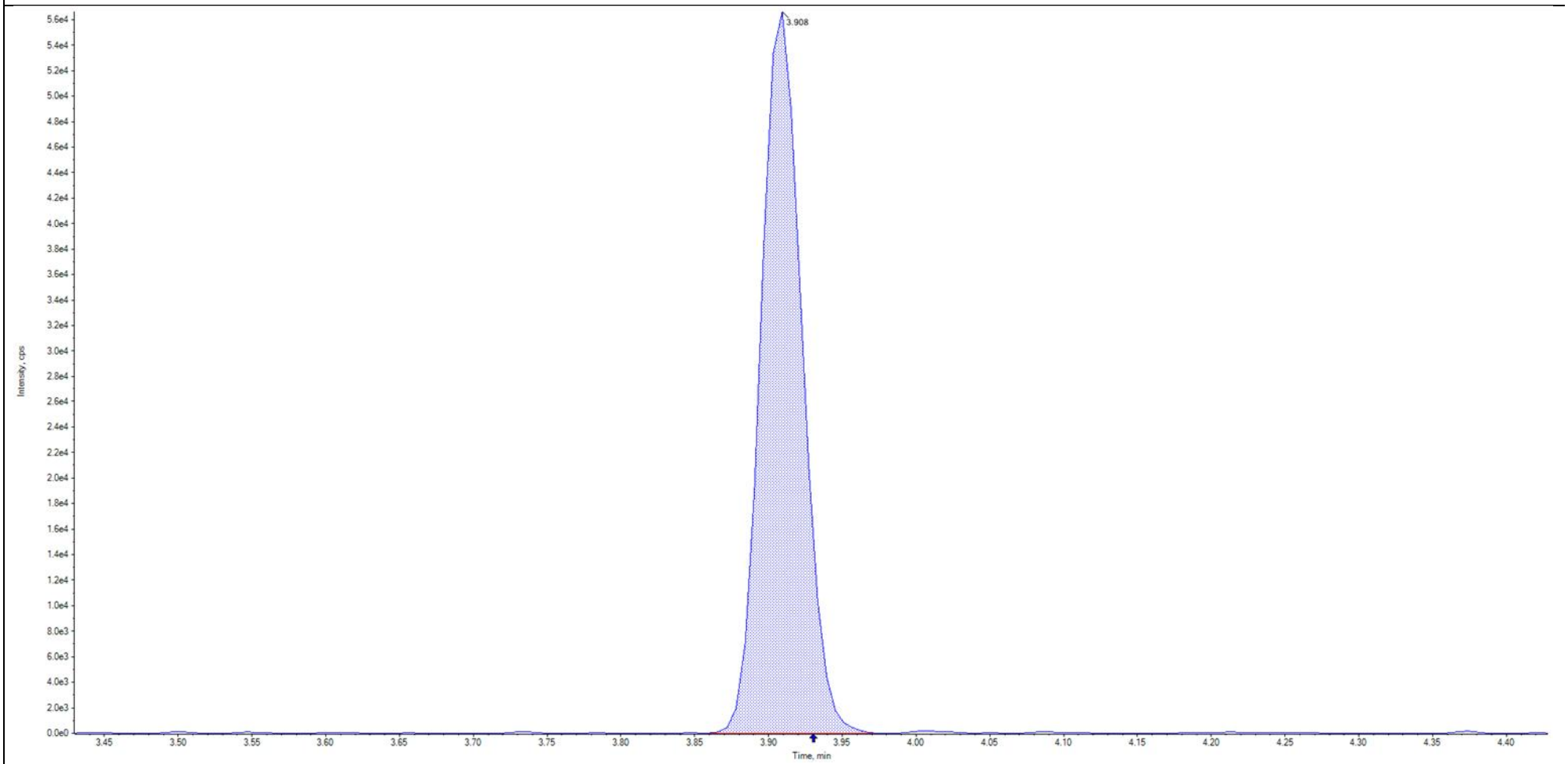
13C2-4:2FTS
Sample: IA1633STD-5.0



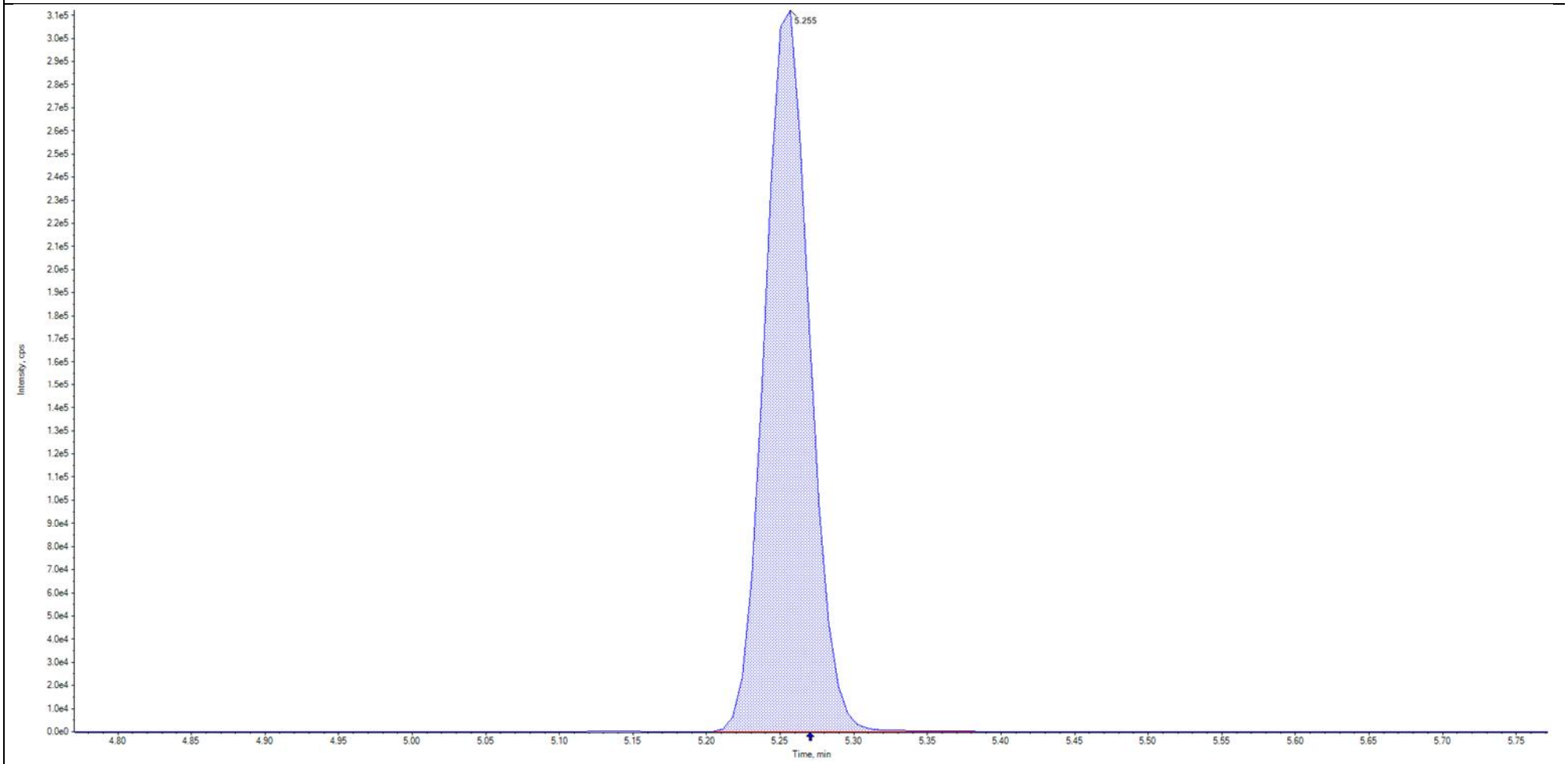
13C2-6:2FTS
Sample: IA1633STD-5.0



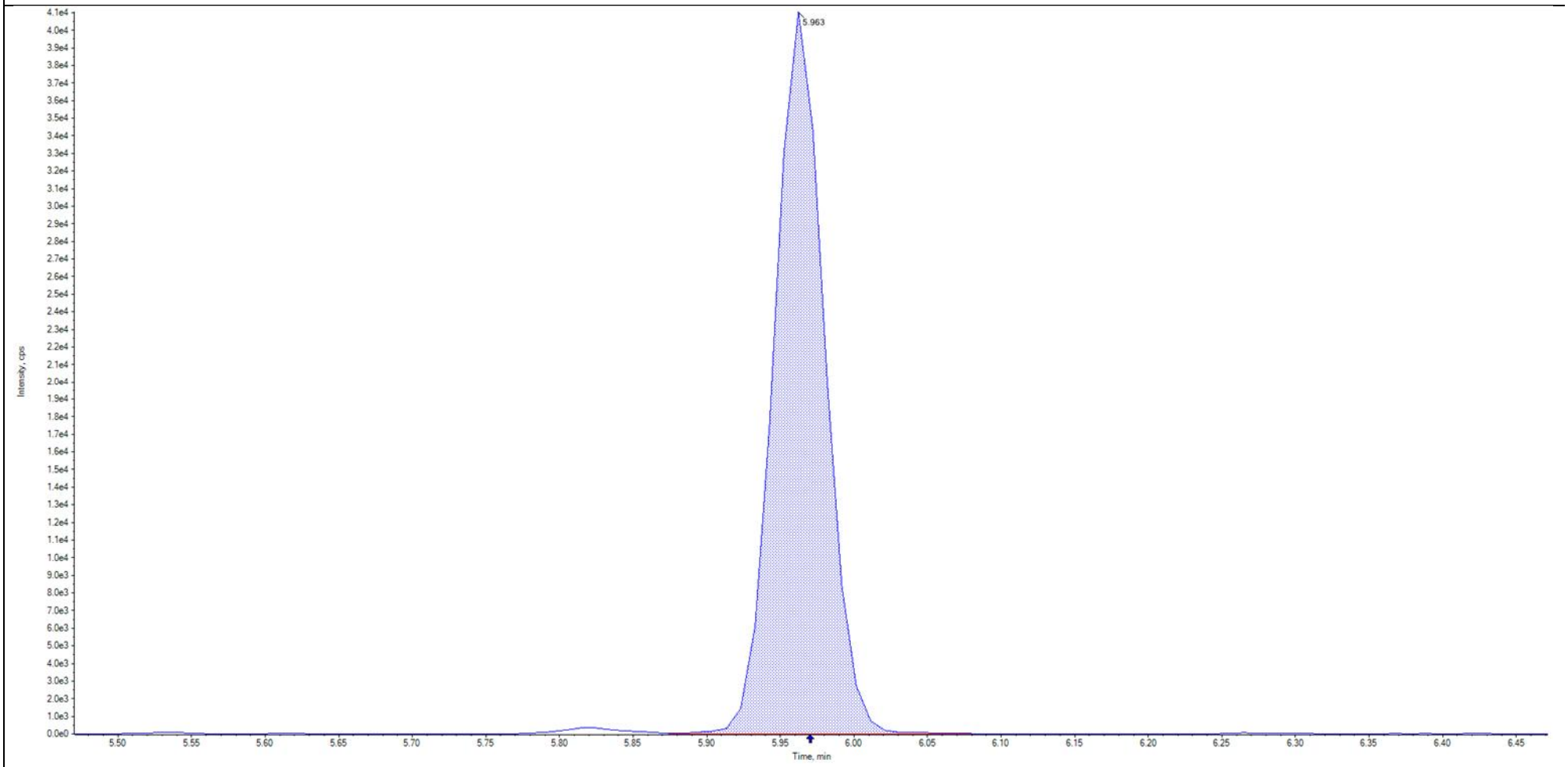
13C2-8:2FTS
Sample: IA1633STD-5.0



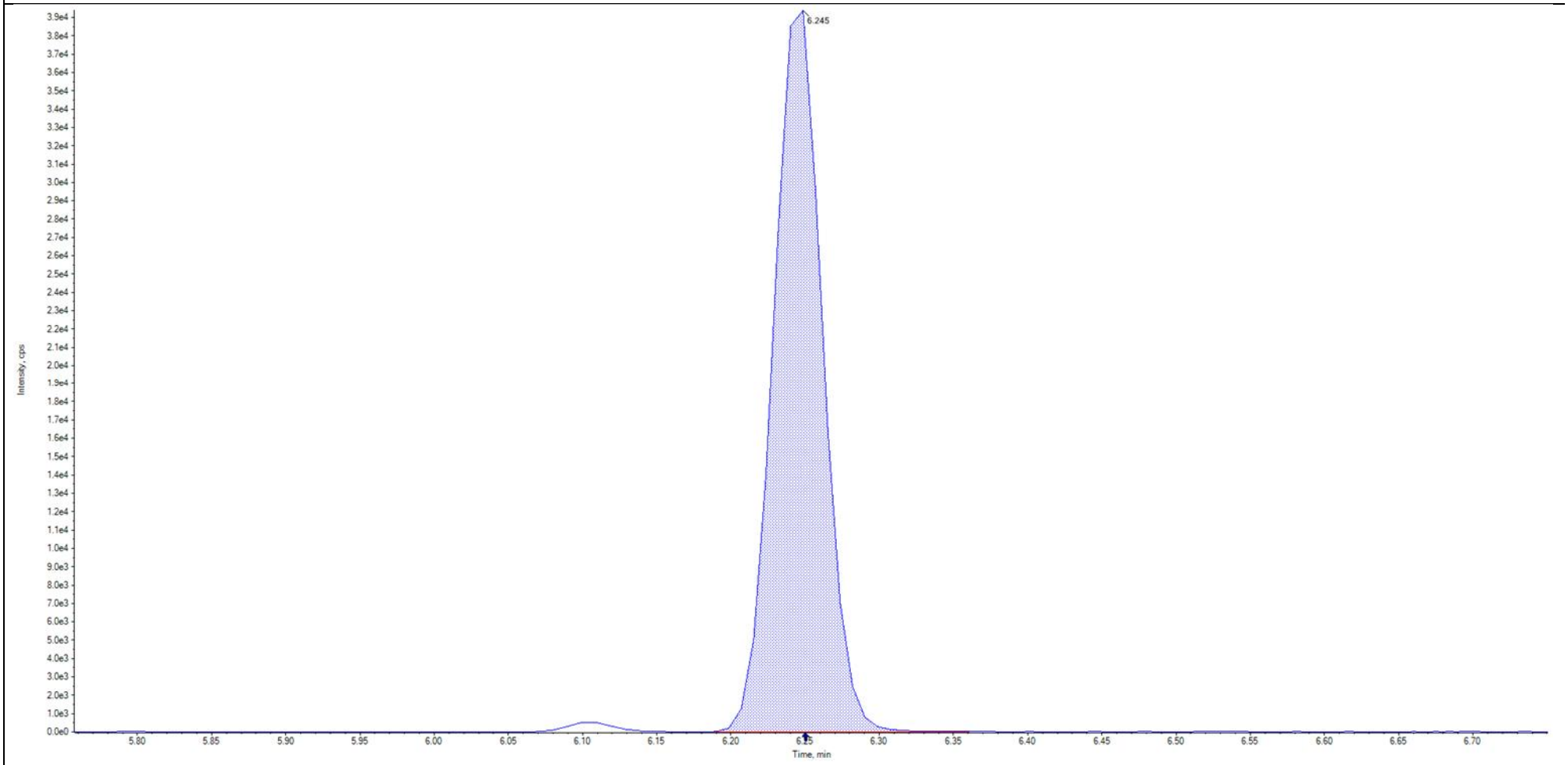
13C8-PFOSA
Sample: IA1633STD-5.0



d3-NMeFOSA
Sample: IA1633STD-5.0



d5-NEtFOSA
Sample: IA1633STD-5.0



d3-NMeFOSAA
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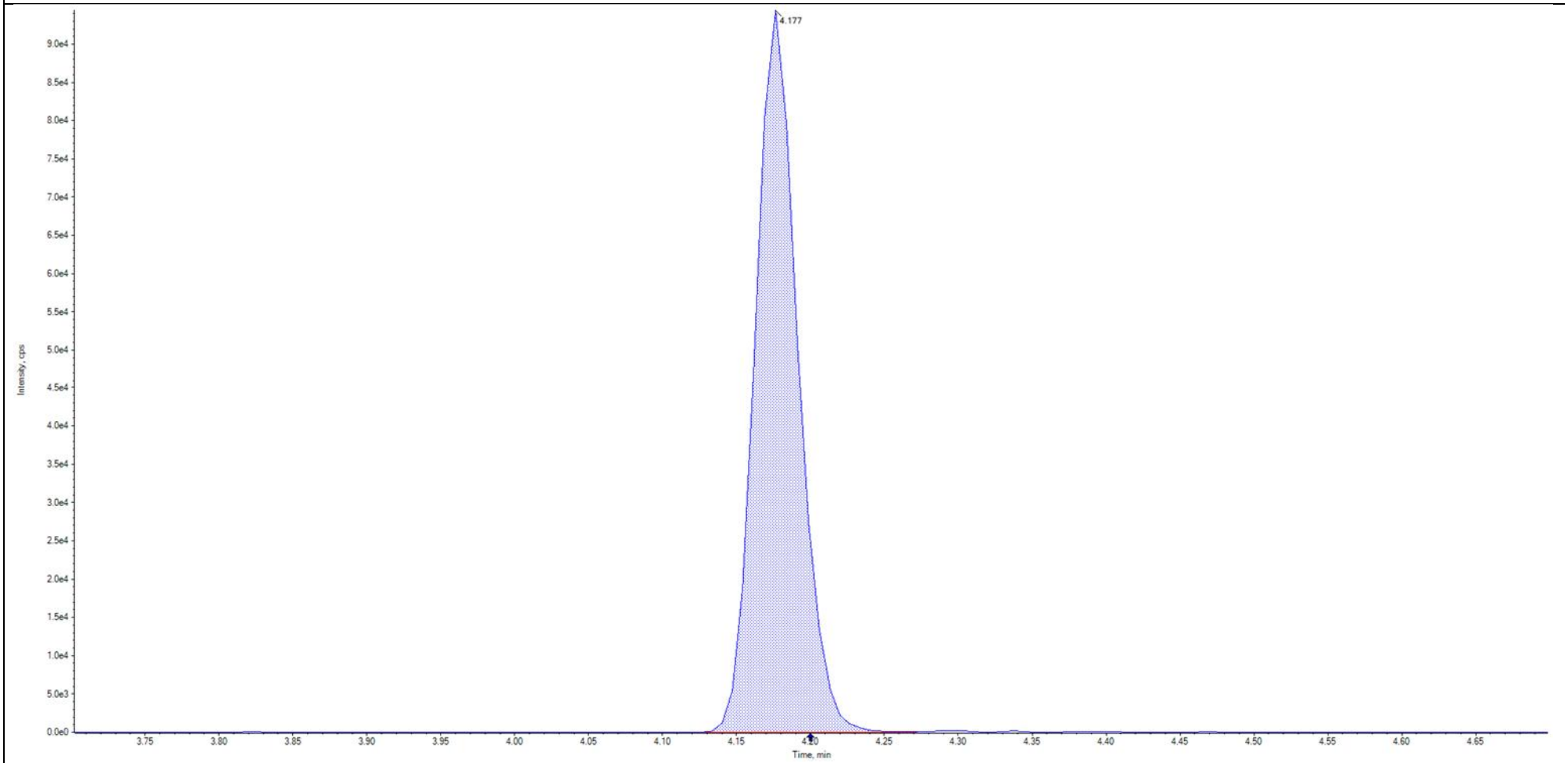
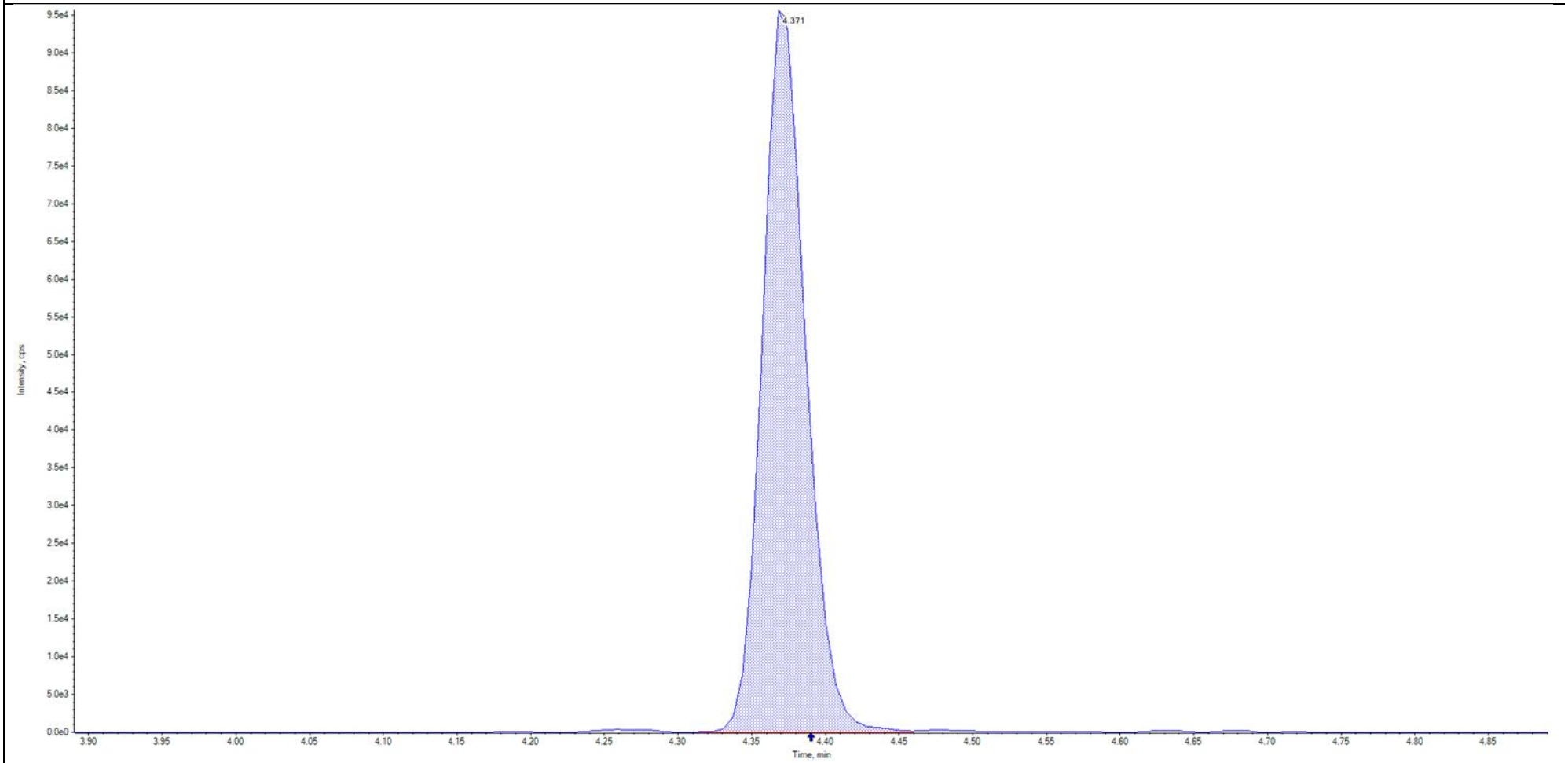
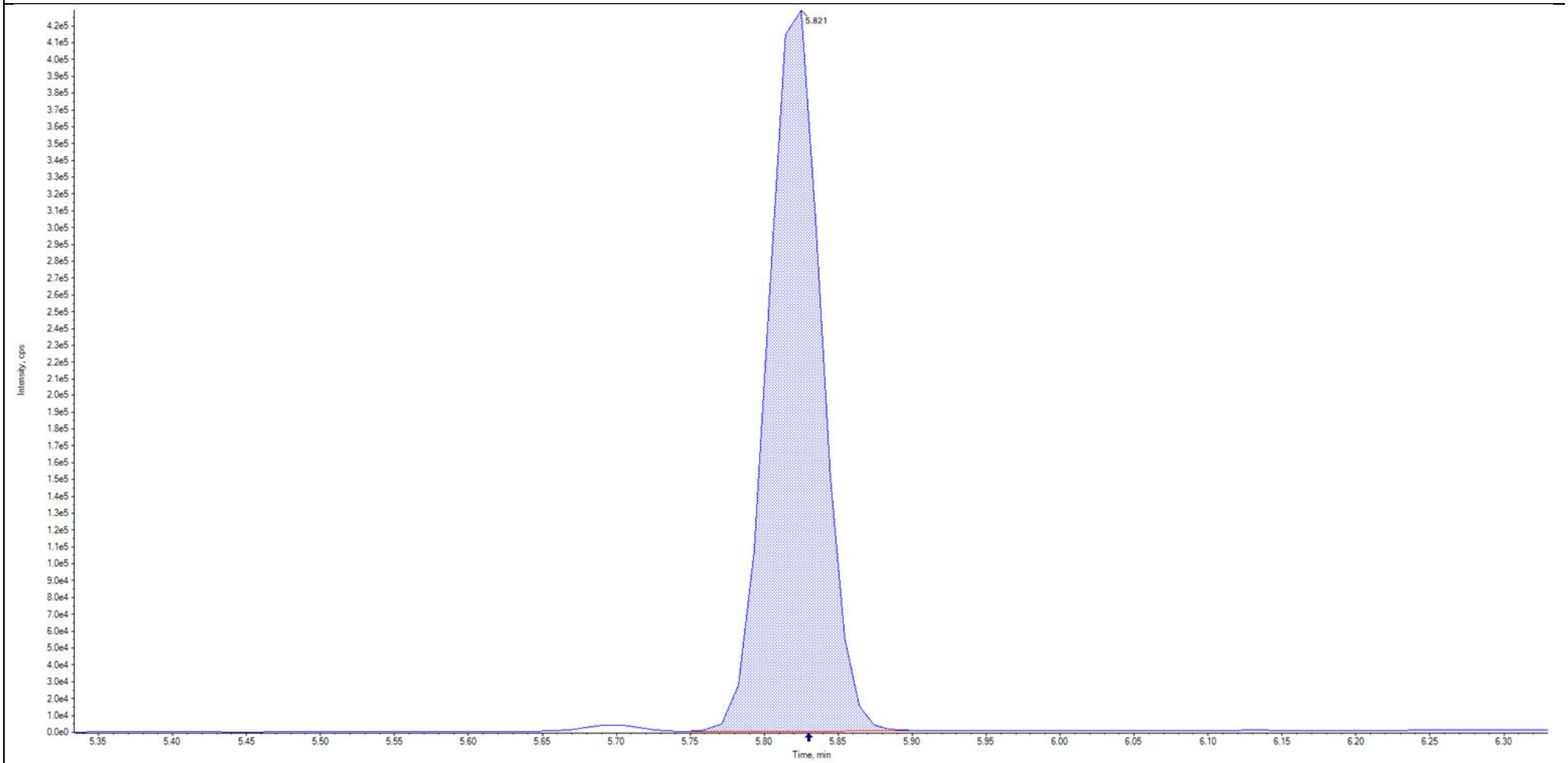


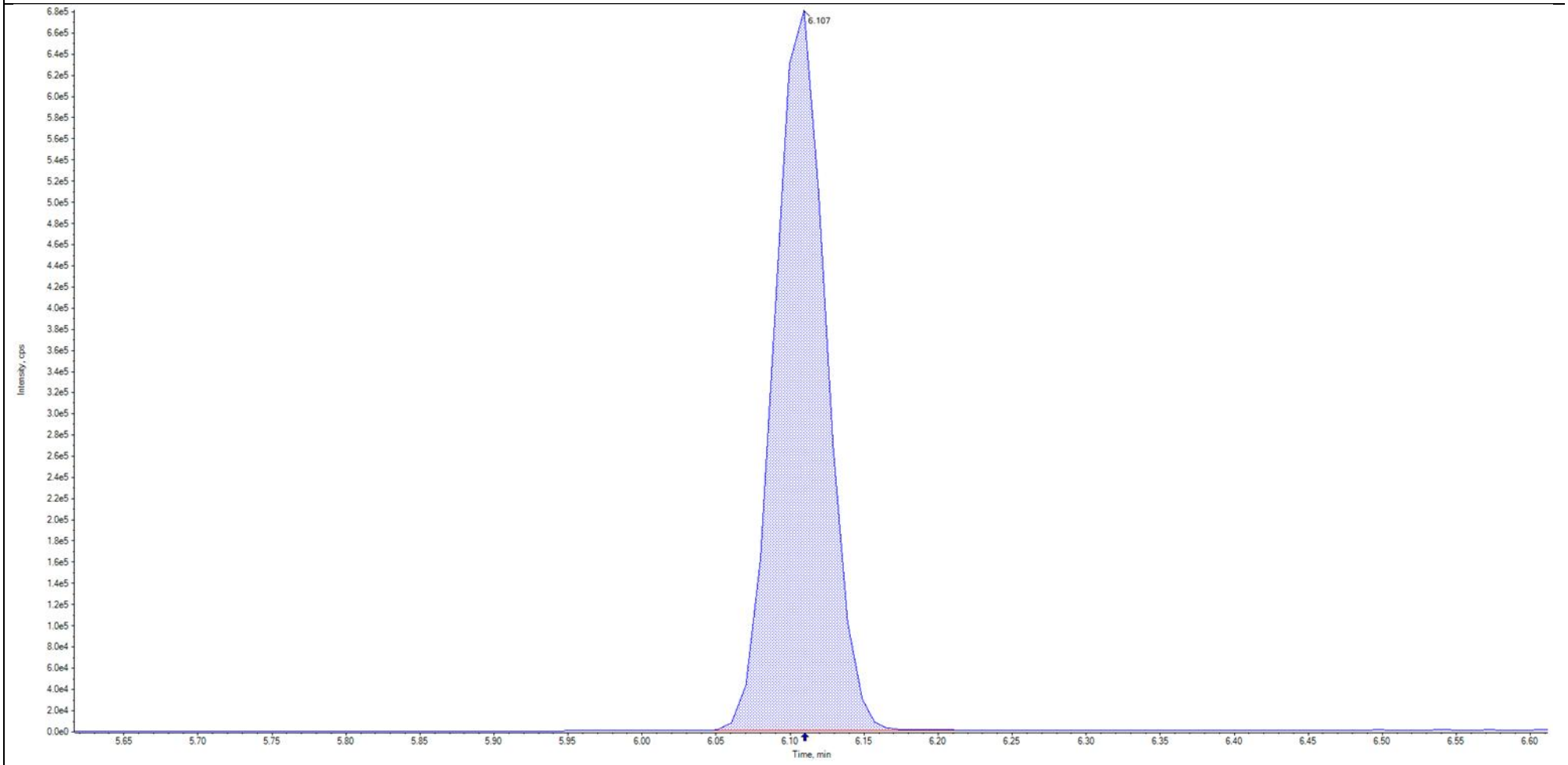
d5-NEtFOSAA
Sample: IA1633STD-5.0



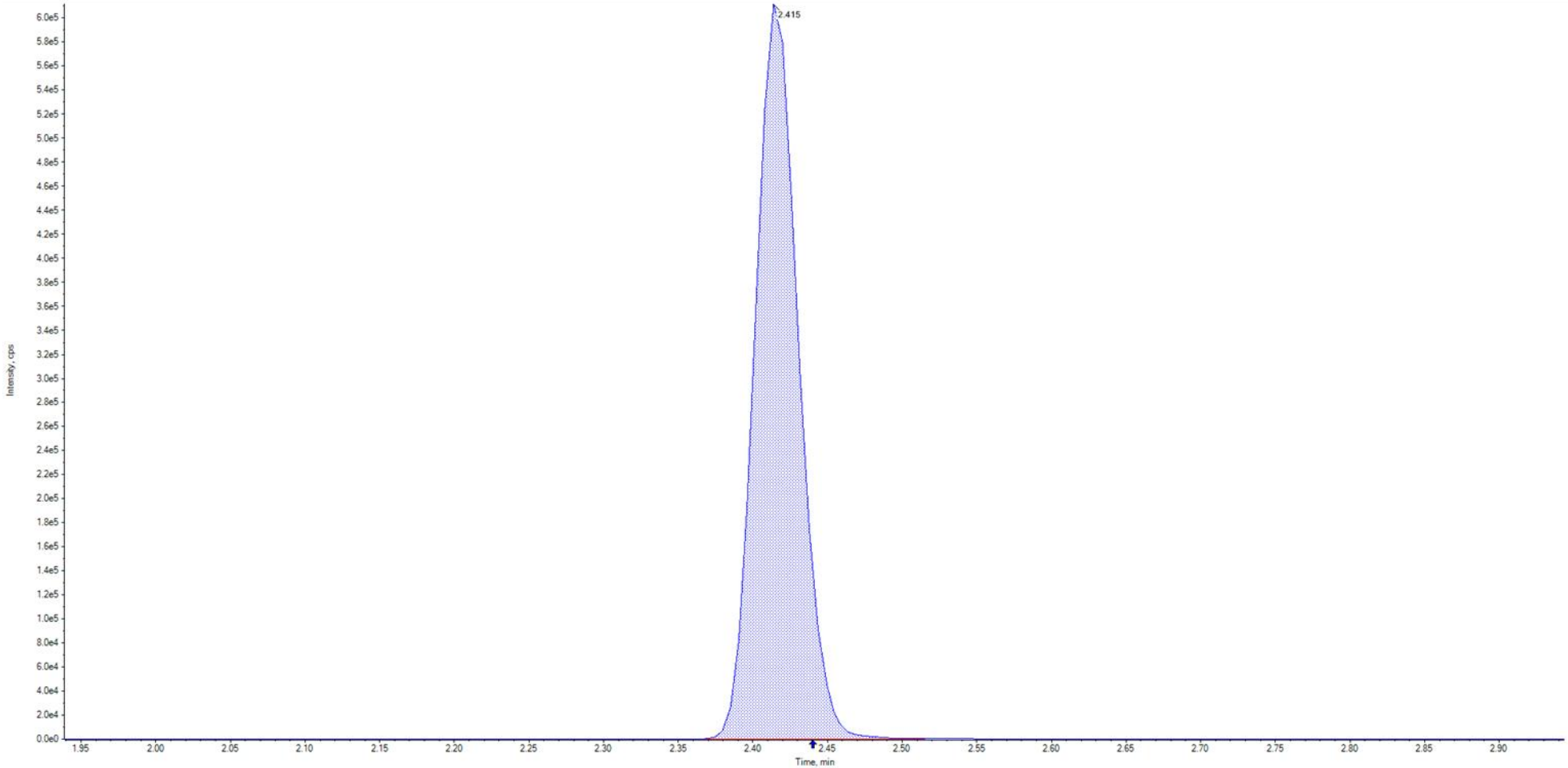
d7-NMeFOSE
Sample: IA1633STD-5.0



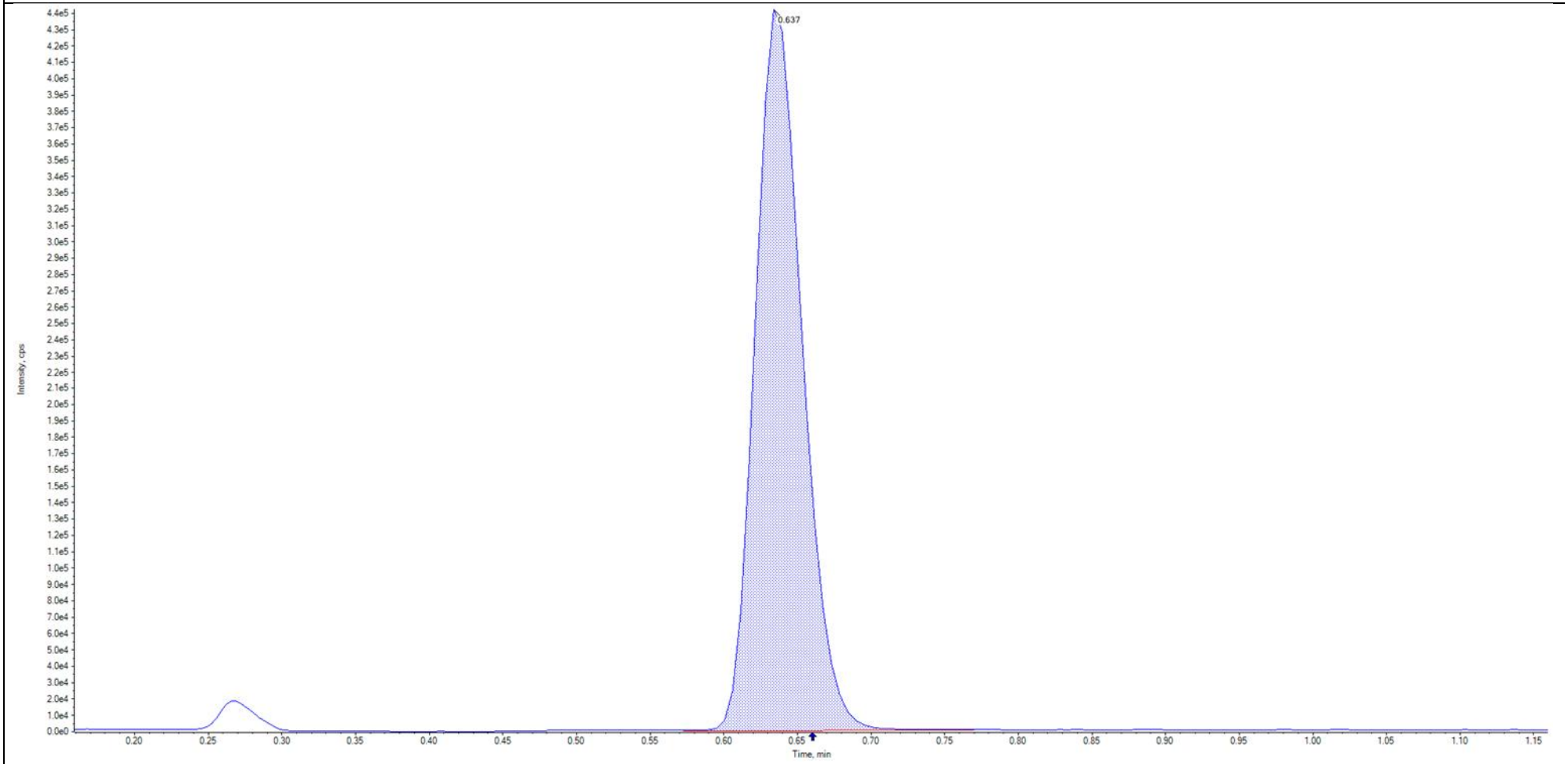
d9-NEtFOSE
Sample: IA1633STD-5.0



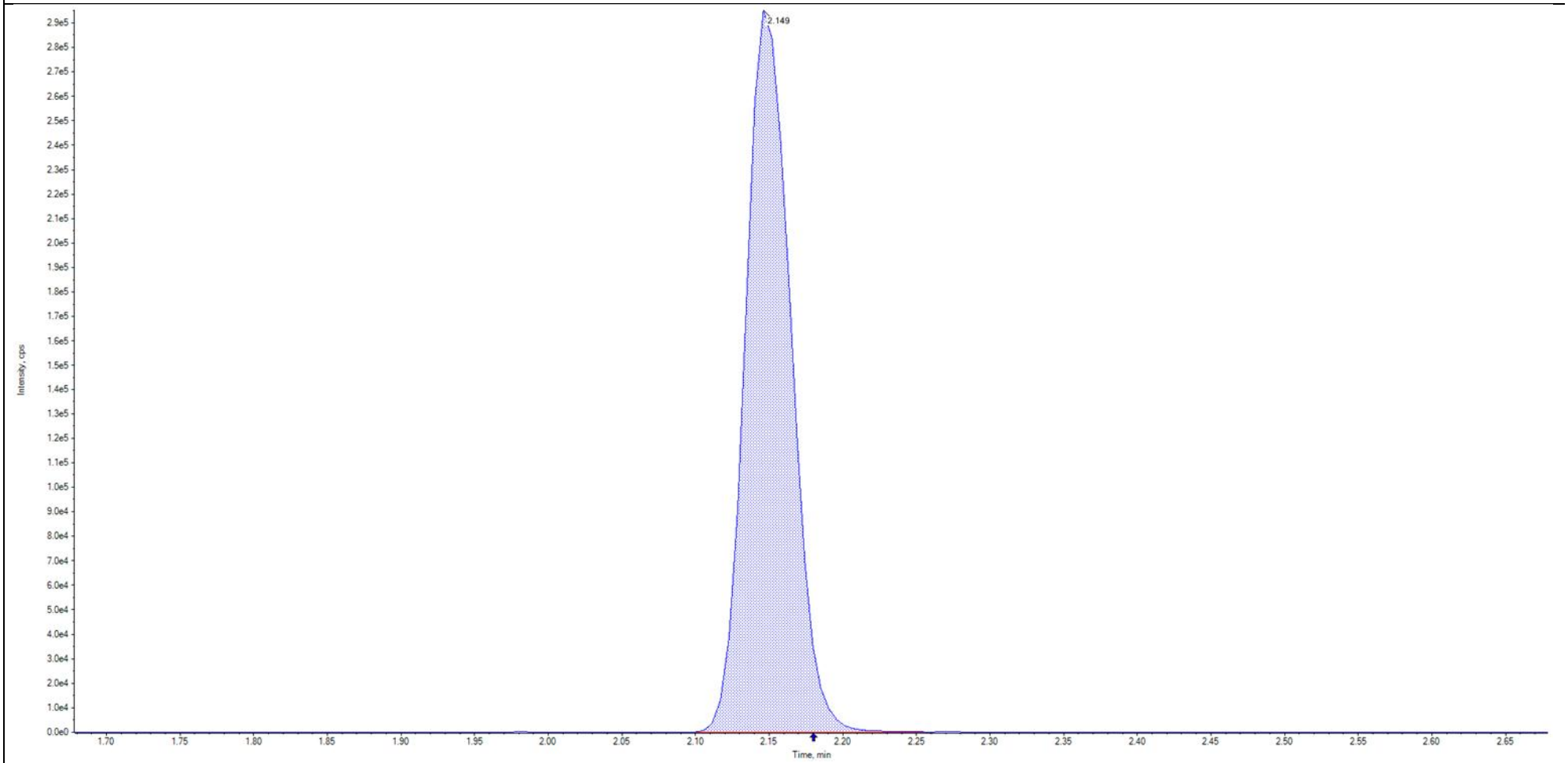
13C3-HFPO-DA
Sample: IA1633STD-5.0



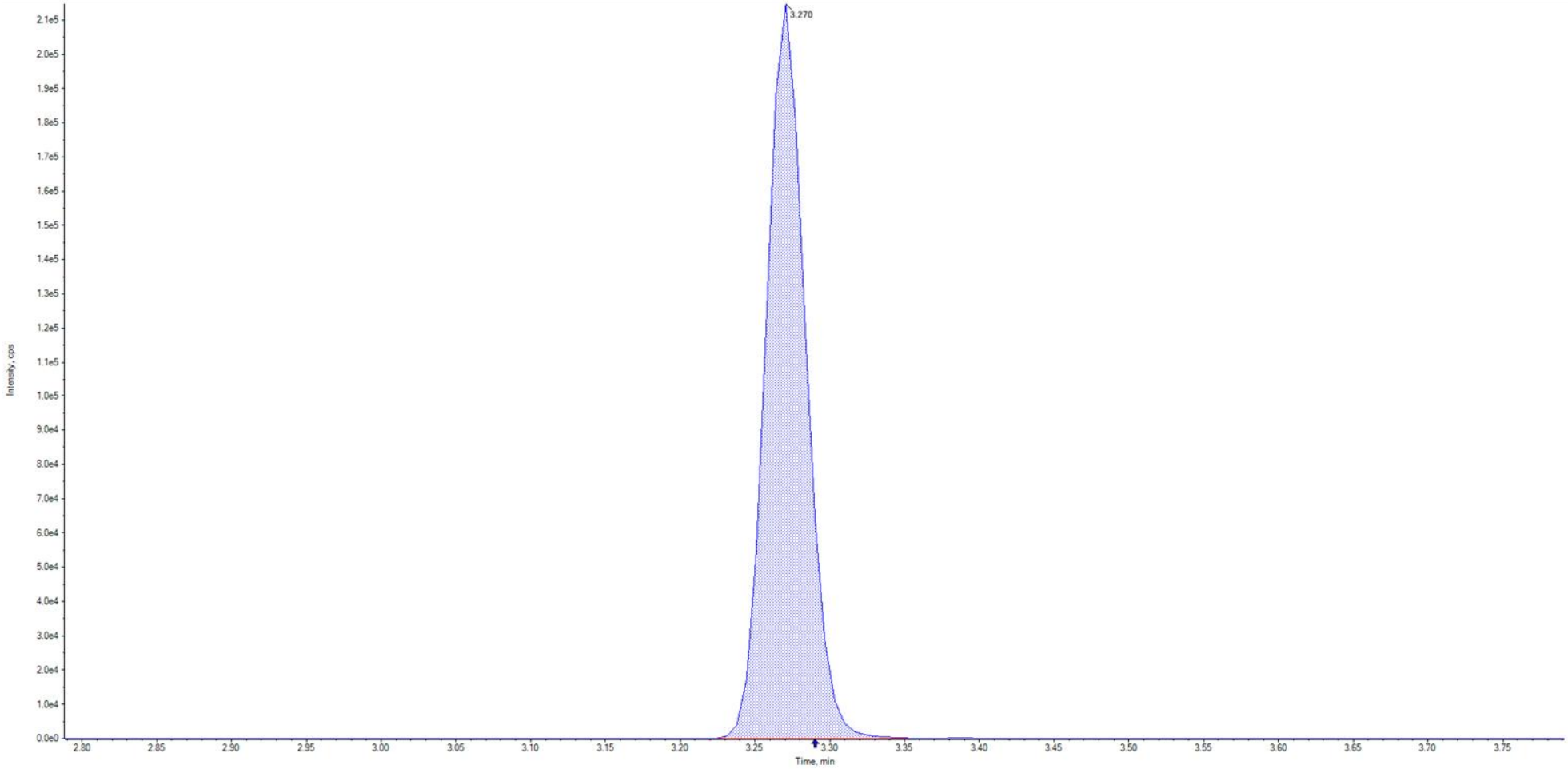
13C3-PFBA
Sample: IA1633STD-5.0



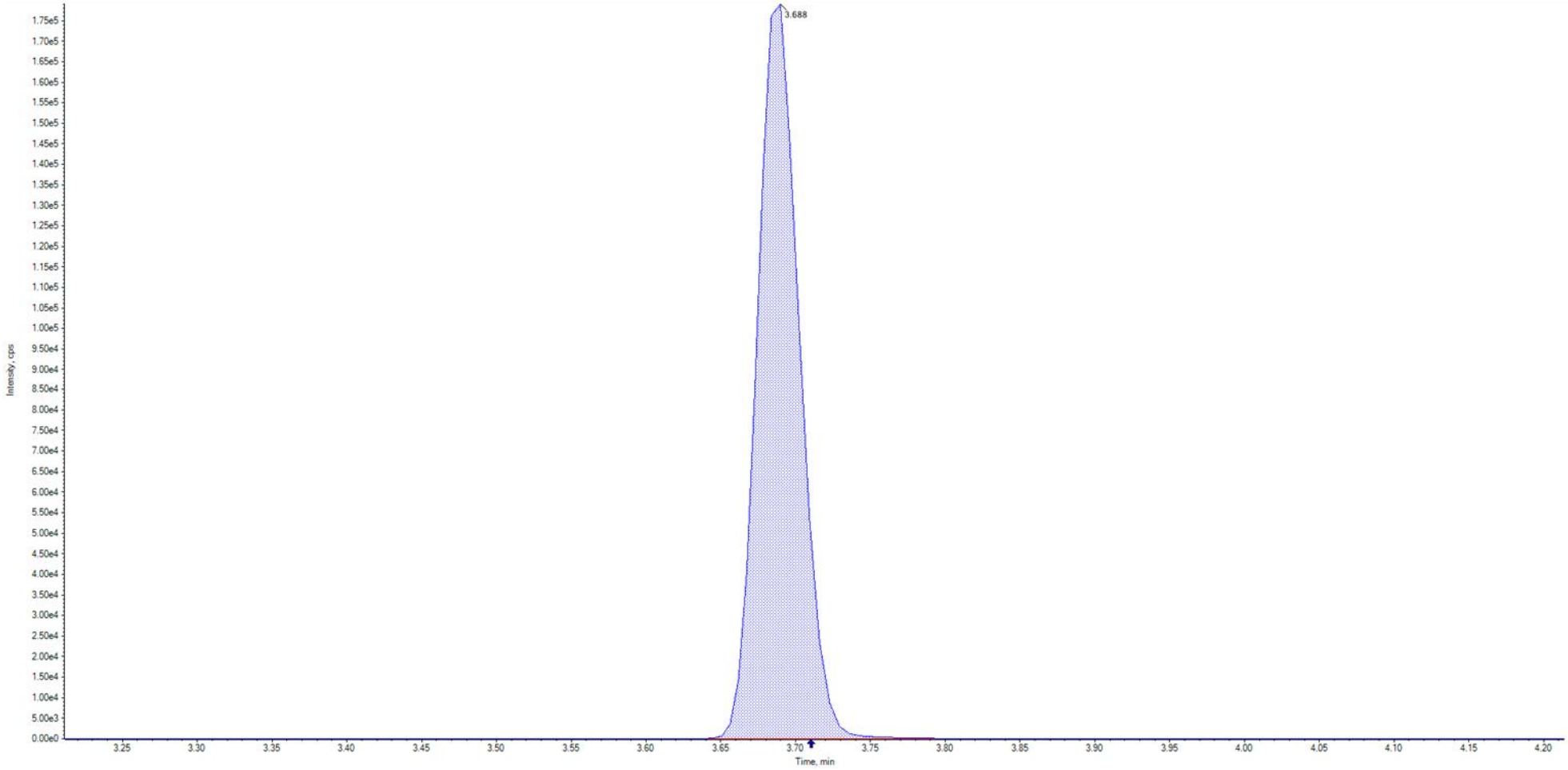
13C2-PFHxA
Sample: IA1633STD-5.0



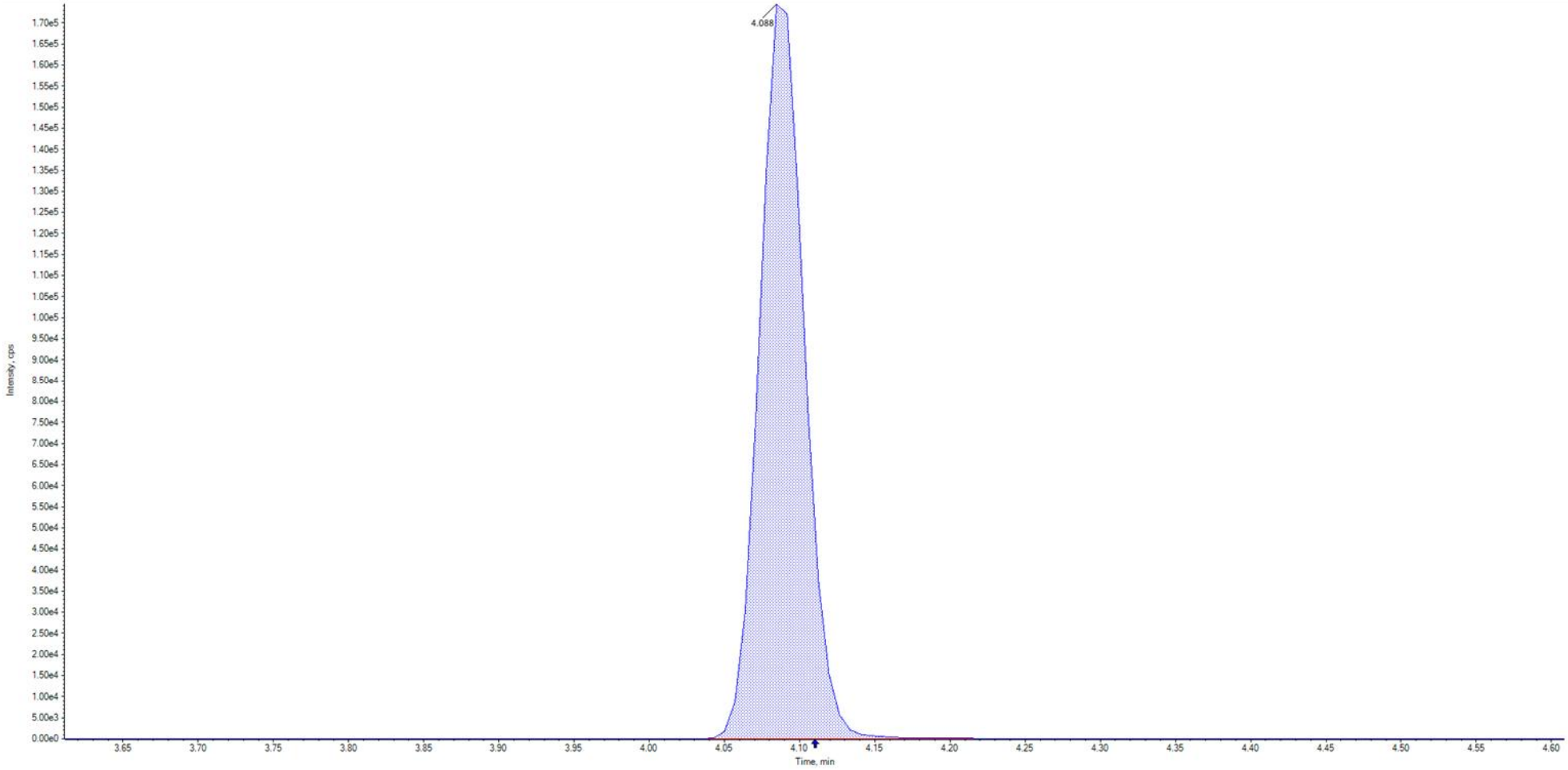
13C4-PFOA
Sample: IA1633STD-5.0



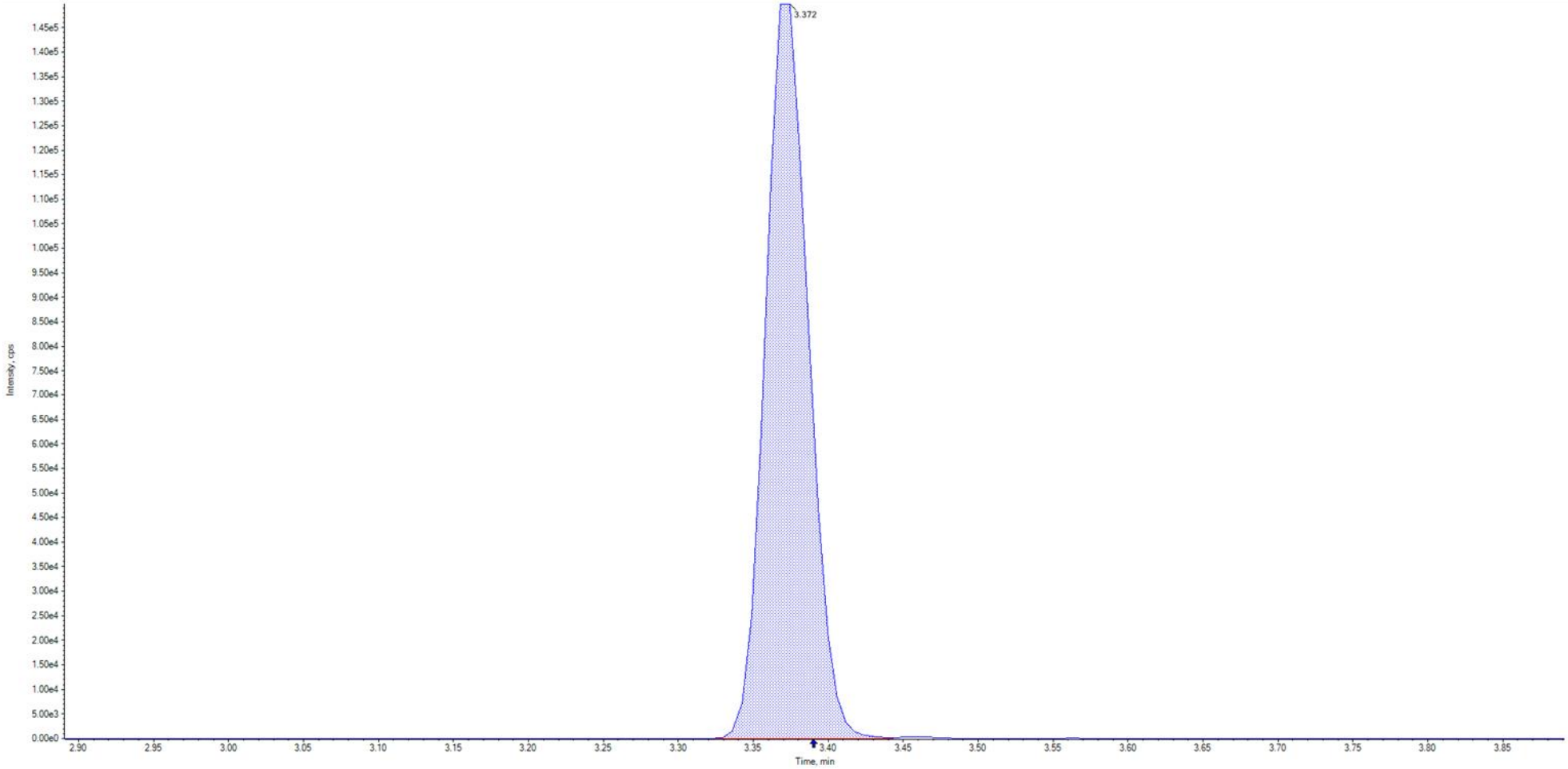
13C5-PFNA
Sample: IA1633STD-5.0



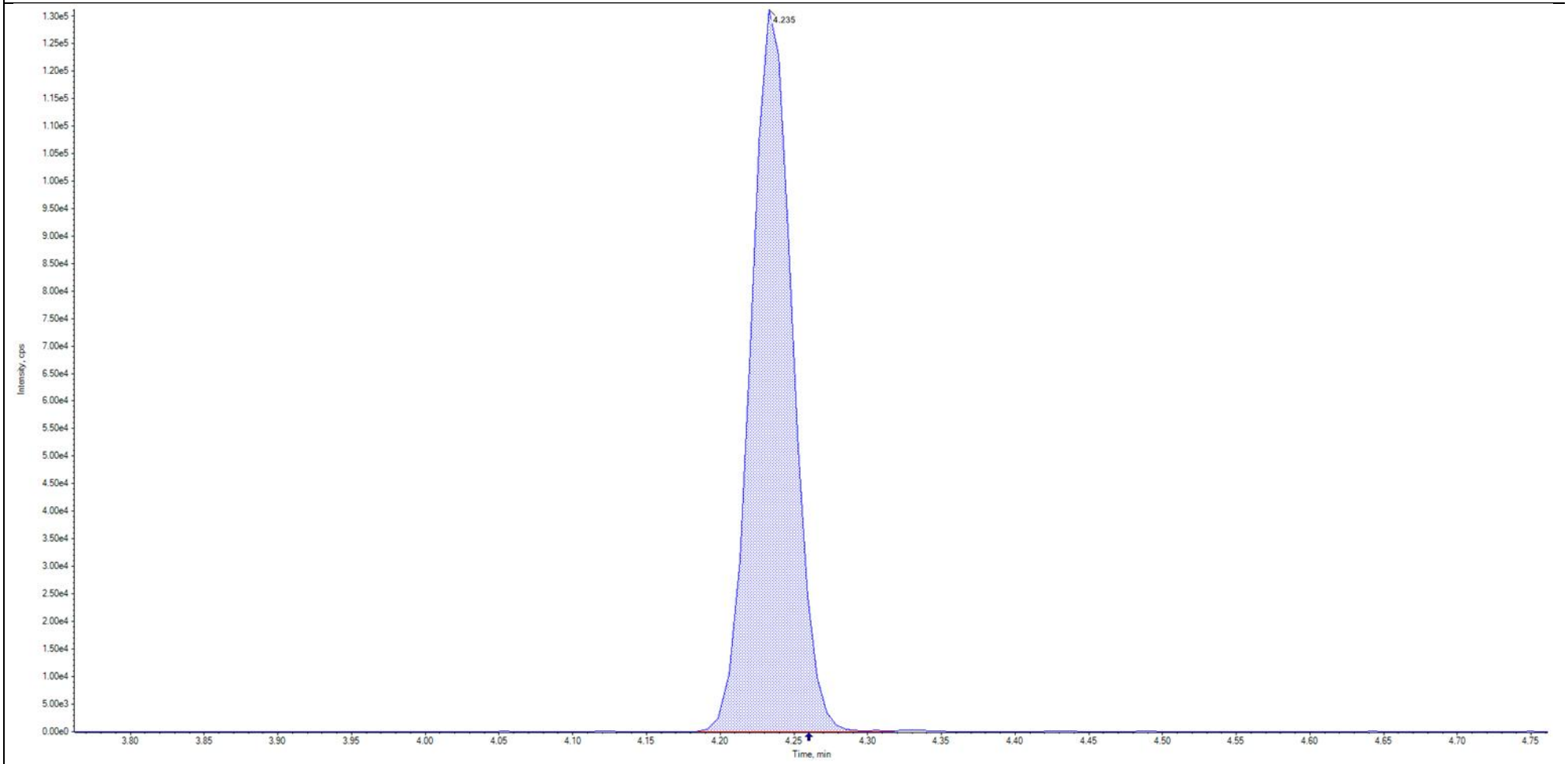
13C2-PFDA
Sample: IA1633STD-5.0



18O2-PFHxS
Sample: IA1633STD-5.0



13C4-PFOS
Sample: IA1633STD-5.0



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_11.wiff2_4
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

Method: EPA1633F.qmethod
Calibration: 241115_EPA1633_ICAL

ID: IA1633STD-12.5
Name: SCI05_241115_12.wiff2
Date & Time: 2024-11-15T13:45:33
Description: WG1997639,,EPA1633F_241008_L6
Instrument: SCIEX Triple Quad 5500+
User: LCMS05:PNB

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.67	213.0 / 169.0	10162672		54.799	N/A	N/A	N/A	109.6
2	PFPeA	2706-90-3	1.36	263.0 / 219.0	5078328		27.361	0.007	N/A	N/A	109.4
3	PFPeA_2	2706-90-3	1.35	263.0 / 68.9	36888		26.777	0.007	N/A	N/A	107.1
4	PFHxA	307-24-4	2.18	313.0 / 269.0	3935321		14.000	0.074	0.089	Pass	112.0
5	PFHxA_2	307-24-4	2.18	313.0 / 119.0	291331		14.040	0.074	0.089	Pass	112.3
6	PFHpA	375-85-9	2.84	363.1 / 319.0	4152383		13.971	0.322	0.332	Pass	111.8
7	PFHpA_2	375-85-9	2.84	363.1 / 169.0	1338700		14.050	0.322	0.332	Pass	112.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.30	413.1 / 369.1	4206037	M5	13.194	0.378	0.369	Pass	105.6
9	PFOA_2	335-67-1	3.30	413.1 / 169.0	1591787	M5	13.525	0.378	0.369	Pass	108.2
10	PFNA	375-95-1	3.72	462.8 / 418.9	3800376		12.985	0.303	0.303	Pass	103.9
11	PFNA_2	375-95-1	3.72	462.8 / 219.0	1149648	M5	13.165	0.303	0.303	Pass	105.3
12	PFDA	335-76-2	4.12	513.1 / 469.1	3842617		14.450	0.154	0.162	Pass	115.6
13	PFDA_2	335-76-2	4.12	513.1 / 219.0	591426		13.471	0.154	0.162	Pass	107.8
14	PFUnA	2058-94-8	4.51	563.1 / 519.1	3259926		13.913	0.197	0.199	Pass	111.3
15	PFUnA_2	2058-94-8	4.51	563.1 / 269.0	640602		14.092	0.197	0.199	Pass	112.7
16	PFDoA	307-55-1	4.90	613.1 / 569.1	3220901		13.521	0.188	0.180	Pass	108.2
17	PFDoA_2	307-55-1	4.90	613.1 / 319.0	604410		13.718	0.188	0.180	Pass	109.8
18	PFTrDA	72629-94-8	5.28	663.1 / 619.1	3240288		13.717	0.159	0.160	Pass	109.7
19	PFTrDA_2	72629-94-8	5.28	663.1 / 169.0	514241		13.520	0.159	0.160	Pass	108.2
20	PFTeDA	376-06-7	5.66	713.1 / 669.1	3323923		14.019	0.142	0.149	Pass	112.2
21	PFTeDA_2	376-06-7	5.66	713.1 / 169.0	472157		13.646	0.142	0.149	Pass	109.2
22	PFBS	375-73-5	2.17	299.1 / 80.1	2223386		12.575	0.395	0.388	Pass	113.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.17	299.1 / 99.1	877787		12.492	0.395	0.388	Pass	112.5
24	PFPeS	2706-91-4	2.89	349.1 / 80.1	2332904		12.783	0.282	0.297	Pass	108.3
25	PFPeS_2	2706-91-4	2.89	349.1 / 99.1	658571		12.430	0.282	0.297	Pass	105.3
26	PFHxS	355-46-4	3.40	399.1 / 80.1	2027581	M5	12.322	0.287	0.296	Pass	108.1
27	PFHxS_2	355-46-4	3.40	399.1 / 99.1	582578		11.512	0.287	0.296	Pass	101.0
28	PFHpS	375-92-8	3.85	449.1 / 80.1	1967722		12.869	0.275	0.258	Pass	108.1
29	PFHpS_2	375-92-8	3.85	449.1 / 99.1	541751		13.467	0.275	0.258	Pass	113.2
30	PFOS	1763-23-1	4.27	499.1 / 80.1	2078822	M5	12.321	0.225	0.233	Pass	106.2
31	PFOS_2	1763-23-1	4.27	499.1 / 99.1	468104		12.436	0.225	0.233	Pass	107.2
32	PFNS	68259-12-1	4.67	549.1 / 80.1	1488646		13.404	0.289	0.296	Pass	111.7
33	PFNS_2	68259-12-1	4.67	549.1 / 99.1	430110		13.224	0.289	0.296	Pass	110.2
34	PFDS	335-77-3	5.06	599.1 / 80.1	1476729		13.515	0.279	0.272	Pass	111.7
35	PFDS_2	335-77-3	5.06	599.1 / 99.1	411721		13.450	0.279	0.272	Pass	111.2
36	PFDoS	79780-39-5	5.81	699.2 / 80.1	1324325		13.224	0.261	0.263	Pass	109.3
37	PFDoS_2	79780-39-5	5.81	699.2 / 99.1	345566		13.149	0.261	0.263	Pass	108.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.94	327.1 / 307.1	2690556		49.330	0.594	0.559	Pass	105.2
39	4:2FTS_2	757124-72-4	1.94	327.1 / 81.1	1597333		51.888	0.594	0.559	Pass	110.6
40	6:2FTS	27619-97-2	3.12	427.2 / 407.2	2370973		53.130	0.602	0.593	Pass	111.6
41	6:2FTS_2	27619-97-2	3.12	427.2 / 81.1	1426722		51.512	0.602	0.593	Pass	108.2
42	8:2FTS	39108-34-4	3.94	527.2 / 507.2	1485443		50.717	0.771	0.759	Pass	105.7
43	8:2FTS_2	39108-34-4	3.94	527.2 / 81.1	1144935		52.645	0.771	0.759	Pass	109.7
44	PFOSA	754-91-6	5.28	498.1 / 78.1	2498732	M5	13.535	0.023	0.023	Pass	108.3
45	PFOSA_2	754-91-6	5.28	498.1 / 478.0	57593	M5	13.177	0.023	0.023	Pass	105.4
46	NMeFOSA	31506-32-8	5.99	512.2 / 219.0	550510	M5	13.862	1.453	1.457	Pass	110.9
47	NMeFOSA_2	31506-32-8	5.94	512.2 / 169.0	800027		13.872	1.453	1.457	Pass	111.0
48	NEtFOSA	4151-50-2	6.28	526.2 / 219.0	536594		13.739	1.294	1.309	Pass	109.9
49	NEtFOSA_2	4151-50-2	6.23	526.2 / 169.0	694572		13.554	1.294	1.309	Pass	108.4
50	NMeFOSAA	2355-31-9	4.21	570.2 / 419.1	409413	M5	13.462	0.759	0.804	Pass	107.7
51	NMeFOSAA_2	2355-31-9	4.21	570.2 / 483.0	310609	M5	13.382	0.759	0.804	Pass	107.1
52	NEtFOSAA	2991-50-6	4.40	584.2 / 419.1	547430	M5	13.950	0.430	0.419	Pass	111.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.40	584.2 / 526.2	235336	M5	13.605	0.430	0.419	Pass	108.8
54	NMeFOSE	24448-09-7	5.86	616.1 / 58.9	16407618	M5	138.462	N/A	N/A	N/A	110.8
55	NEtFOSE	1691-99-2	6.15	630.0 / 58.9	26047831		142.417	N/A	N/A	N/A	113.9
56	HFPO-DA	13252-13-6	2.44	285.0 / 169.0	6832739		53.084	0.690	0.685	Pass	106.2
57	HFPO-DA_2	13252-13-6	2.44	285.0 / 184.9	4713426		55.939	0.690	0.685	Pass	111.9
58	ADONA	919005-14-4	3.01	376.9 / 251.0	13176697		51.459	1.062	0.884	Pass	108.9
59	ADONA_2	919005-14-4	3.01	376.9 / 84.8	13997996		54.343	1.062	0.884	Pass	115.0
60	9Cl-PF3ONS	756426-58-1	4.54	530.8 / 351.1	19236966		52.858	0.329	0.325	Pass	113.2
61	9Cl-PF3ONS_2	756426-58-1	4.54	532.8 / 353.0	6320779		53.258	0.329	0.325	Pass	114.0
62	11Cl-PF3OUdS	763051-92-9	5.32	630.9 / 451.0	13086369		54.670	0.345	0.338	Pass	115.8
63	11Cl-PF3OUdS_2	763051-92-9	5.32	632.9 / 452.9	4518854		53.806	0.345	0.338	Pass	114.0
64	3:3FTCA	356-02-5	1.72	241.1 / 177.1	736159		70.052	1.560	1.433	Pass	112.1
65	3:3FTCA_2	356-02-5	1.72	241.1 / 117.0	1148212		71.045	1.560	1.433	Pass	113.7
66	5:3FTCA	914637-49-3	3.24	341.1 / 237.1	23751302		357.682	0.911	0.935	Pass	114.5
67	5:3FTCA_2	914637-49-3	3.24	341.1 / 217.0	21635654		352.029	0.911	0.935	Pass	112.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.19	441.1 / 316.9	16393918		334.715	1.489	1.712	Pass	107.1
69	7:3FTCA_2	812-70-4	4.19	441.1 / 337.1	24403069		349.605	1.489	1.712	Pass	111.9
70	PFEESA	113507-82-7	2.54	315.1 / 135.0	13740865		24.802	0.086	0.084	Pass	111.2
71	PFEESA_2	113507-82-7	2.54	315.1 / 82.9	1186159		25.121	0.086	0.084	Pass	112.7
72	PFMPA	377-73-1	0.85	229.0 / 85.0	6886485		27.717	N/A	N/A	N/A	110.9
73	PFMBA	863090-89-5	1.65	279.0 / 85.0	7492130		27.897	N/A	N/A	N/A	111.6
74	NFDHA	151772-58-6	2.09	295.0 / 201.0	2597670		27.141	0.791	0.781	Pass	108.6
75	NFDHA_2	151772-58-6	2.09	295.0 / 84.9	2055107		27.954	0.791	0.781	Pass	111.8
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.150	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.150	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.93	333.2 / 312.1	165231		4.457	N/A	N/A	N/A	89.1
79	13C2-PFOA	Surr	3.29	415.0 / 370.0	342711		2.234	N/A	N/A	N/A	89.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.67	217.0 / 172.0	2198840		9.741	NA	NA	NA	97.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.35	268.0 / 223.0	1072029		4.678	NA	NA	NA	93.6
	13C5-PFHxA	EIS	2.18	318.0 / 273.0	458560		2.328	NA	NA	NA	93.1
	13C4-PFHpA	EIS	2.83	367.0 / 322.0	311988		2.307	NA	NA	NA	92.3
	13C8-PFOA	EIS	3.29	420.8 / 376.0	1095569		2.501	NA	NA	NA	100.0
	13C9-PFNA	EIS	3.71	472.0 / 427.0	431992		1.163	NA	NA	NA	93.1
	13C6-PFDA	EIS	4.12	519.0 / 474.0	406264		1.172	NA	NA	NA	93.8
	13C7-PFUnA	EIS	4.51	570.0 / 525.0	380078		1.270	NA	NA	NA	101.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.90	615.1 / 570.0	312001		1.252	NA	NA	NA	100.1
	13C2-PFTeDA	EIS	5.65	715.1 / 670.1	264647		1.186	NA	NA	NA	94.9
	13C3-PFBS	EIS	2.17	302.1 / 80.1	430384		2.198	NA	NA	NA	94.3
	13C3-PFHxS	EIS	3.39	402.1 / 80.1	390823		2.303	NA	NA	NA	97.2
	13C8-PFOS	EIS	4.26	507.1 / 80.1	407297		2.345	NA	NA	NA	97.7
	13C2-4:2FTS	EIS	1.94	329.1 / 81.1	139384		4.291	NA	NA	NA	91.5
	13C2-6:2FTS	EIS	3.12	429.2 / 81.1	135226		4.505	NA	NA	NA	94.6
	13C2-8:2FTS	EIS	3.94	529.2 / 81.1	127261		4.718	NA	NA	NA	98.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.28	506.1 / 78.1	669011		2.416	NA	NA	NA	96.7
	d3-NMeFOSA	EIS	5.98	515.2 / 219.0	96600		2.372	NA	NA	NA	94.9
	d5-NEtFOSA	EIS	6.26	531.2 / 219.0	90436		2.383	NA	NA	NA	95.3
	d3-NMeFOSAA	EIS	4.20	573.2 / 419.1	207448		4.841	NA	NA	NA	96.8
	d5-NEtFOSAA	EIS	4.40	589.3 / 419.1	203388		4.934	NA	NA	NA	98.7
	d7-NMeFOSE	EIS	5.84	623.2 / 58.9	1146784		23.825	NA	NA	NA	95.3
	d9-NEtFOSE	EIS	6.12	639.2 / 58.9	1596585		22.890	NA	NA	NA	91.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.44	287.0 / 169.0	1393685		9.711	NA	NA	NA	97.1
	13C3-PFBA	NIS	0.67	216.0 / 172.0	1004146		5.076	NA	NA	NA	101.5
	13C2-PFHxA	NIS	2.17	315.0 / 270.0	688660		2.620	NA	NA	NA	104.8
	13C4-PFOA	NIS	3.29	417.0 / 372.0	431392		2.490	NA	NA	NA	99.6
	13C5-PFNA	NIS	3.71	468.0 / 423.0	418949		1.346	NA	NA	NA	107.7
	13C2-PFDA	NIS	4.11	515.1 / 470.1	403024		1.272	NA	NA	NA	101.8
	18O2-PFHxS	NIS	3.39	403.1 / 84.1	343708		2.432	NA	NA	NA	102.6
	13C4-PFOS	NIS	4.26	503.1 / 80.1	301619		2.436	NA	NA	NA	101.5

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

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PFBA
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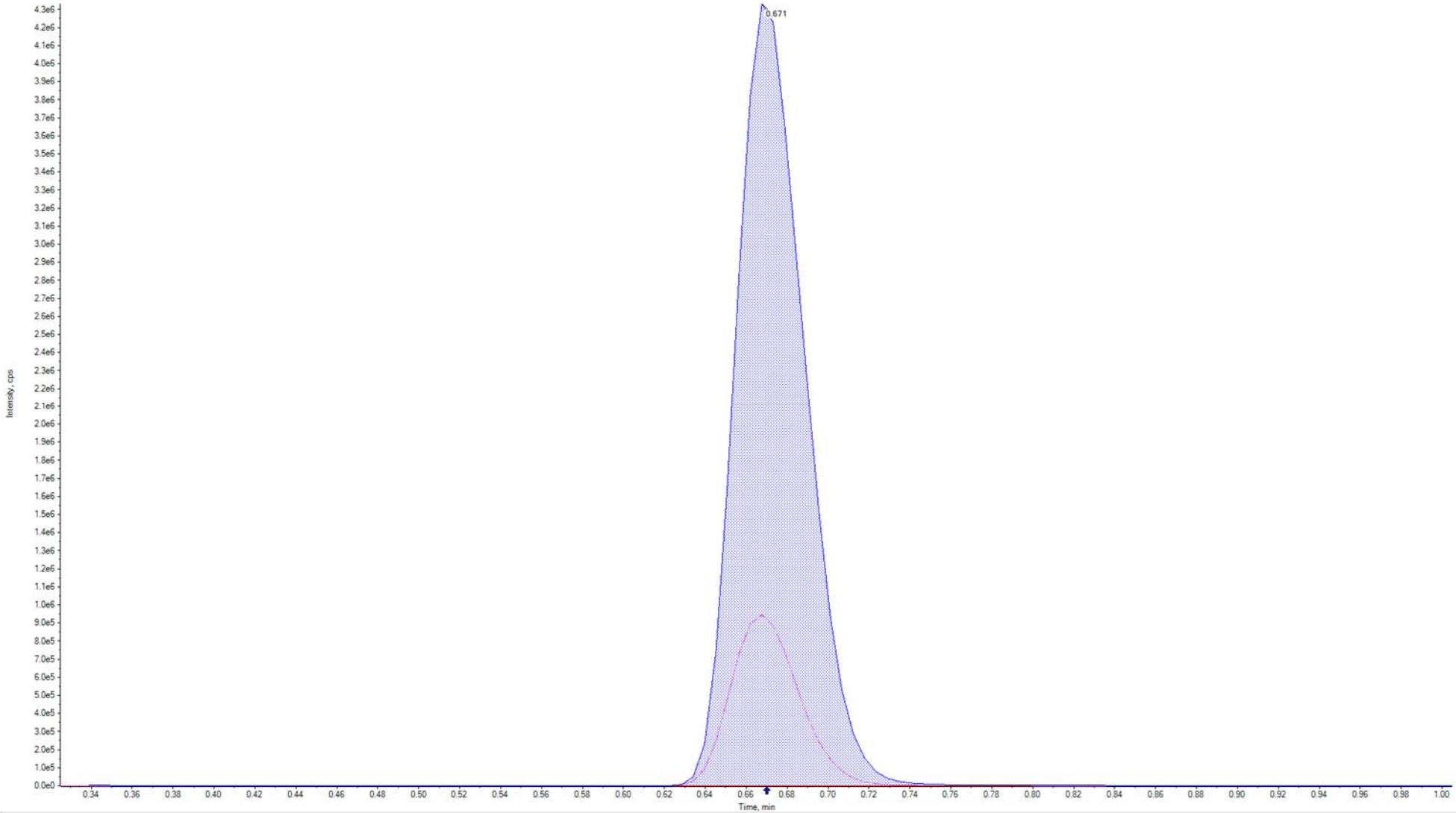

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PFPeA
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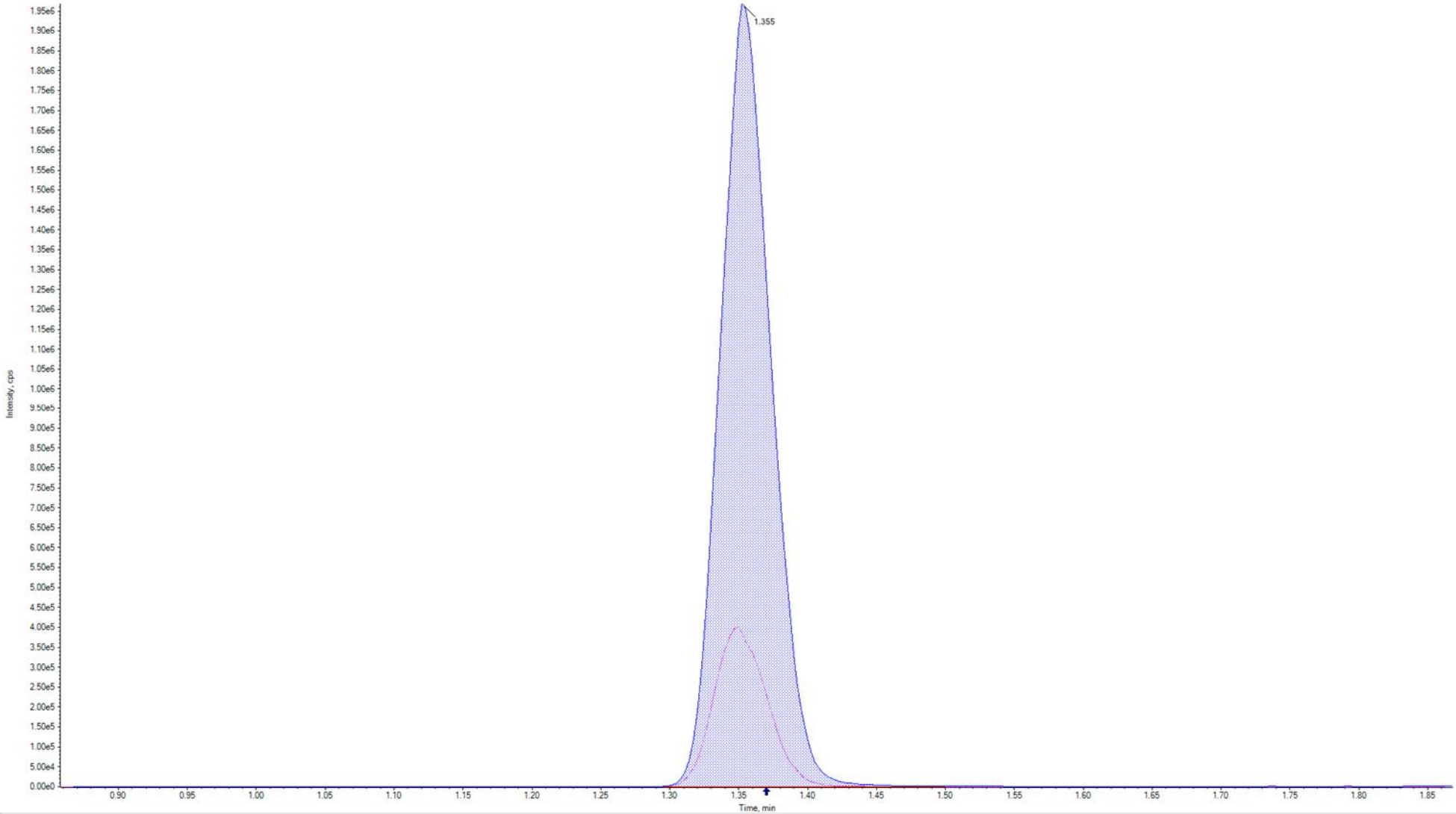

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PFPeA_2
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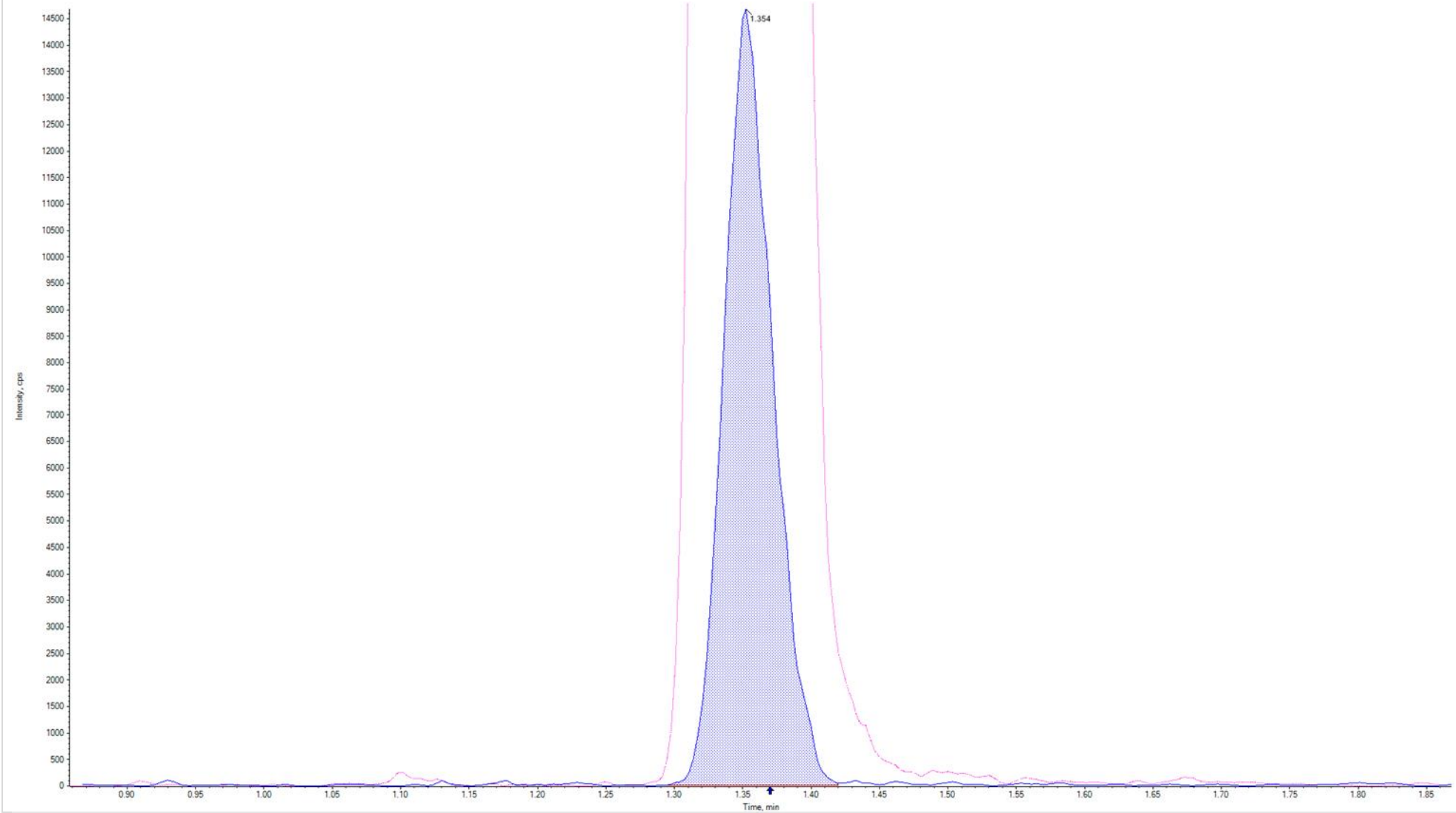

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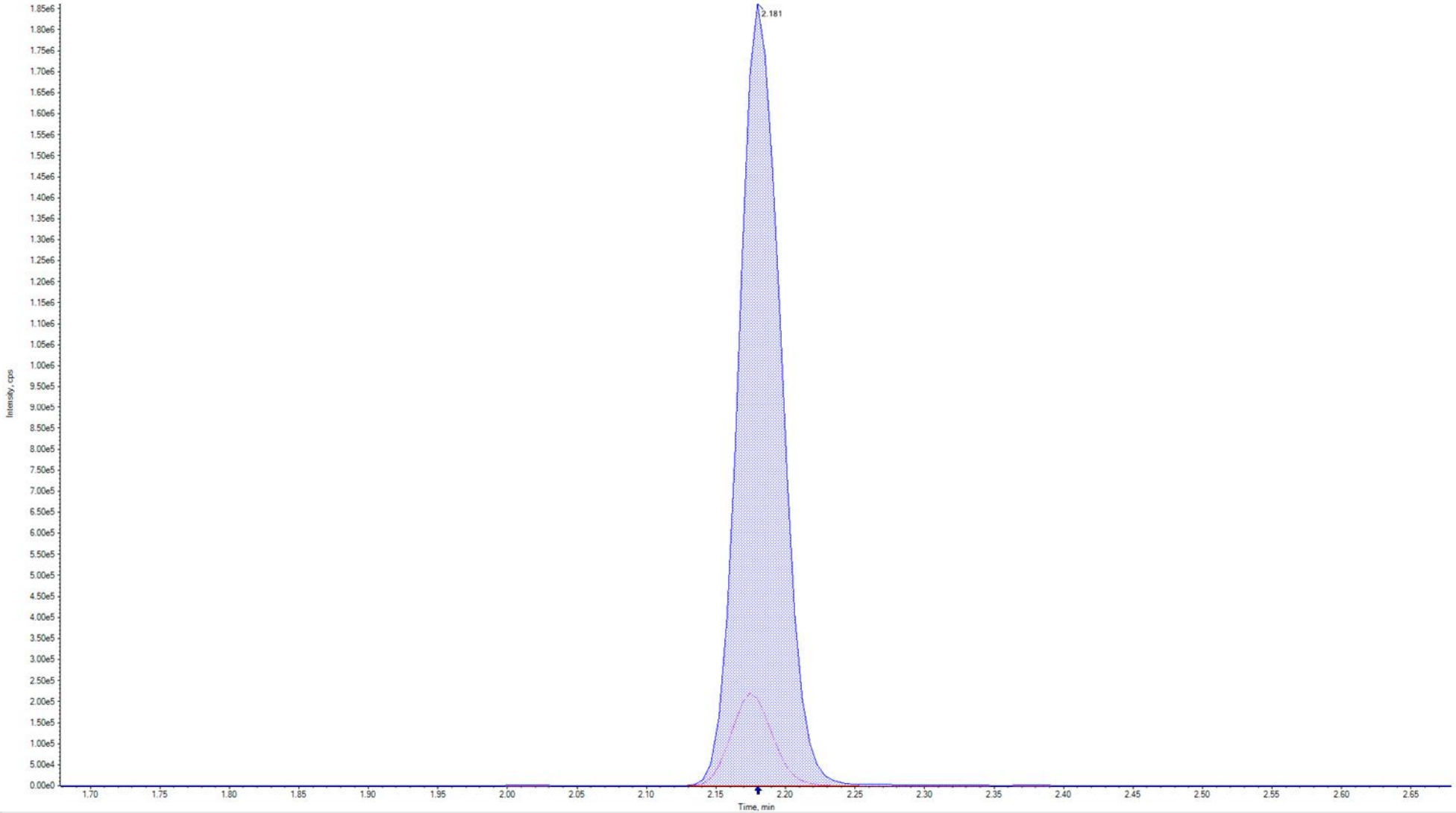
PFHxA
Sample: IA1633STD-12.5 S/N:9898.0 Points Across peak:26



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PFHxA_2
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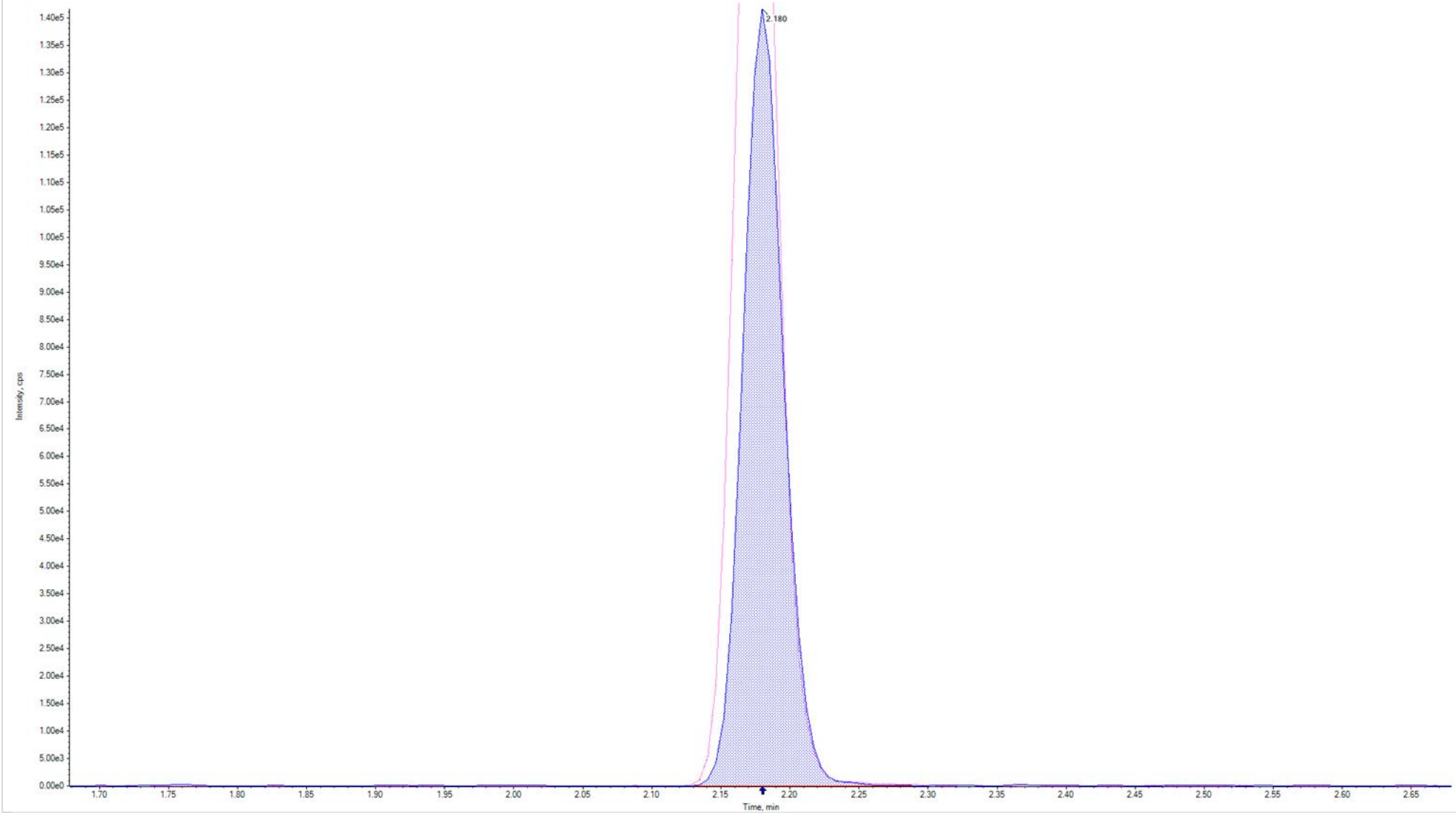

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PFHpA
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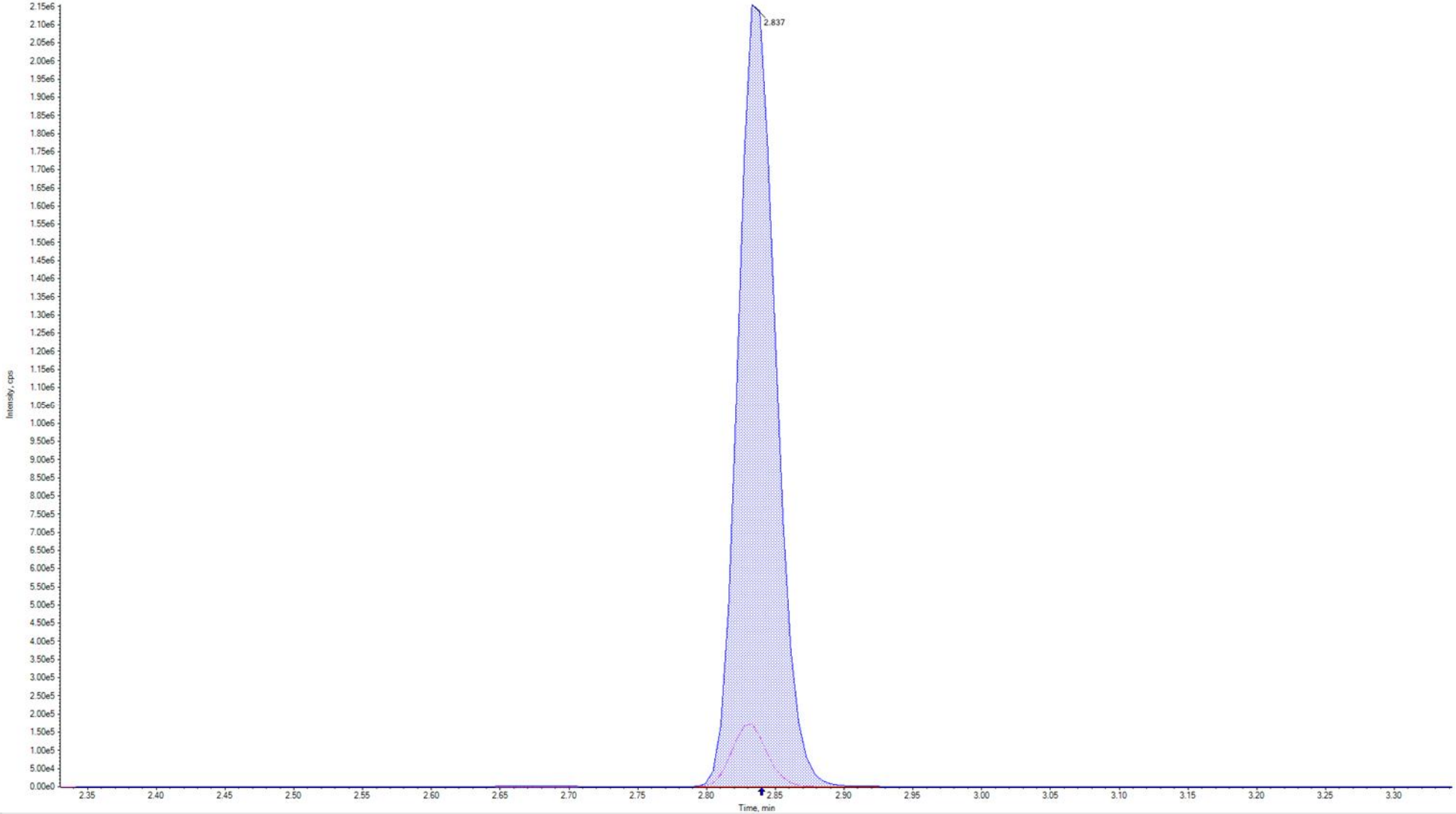
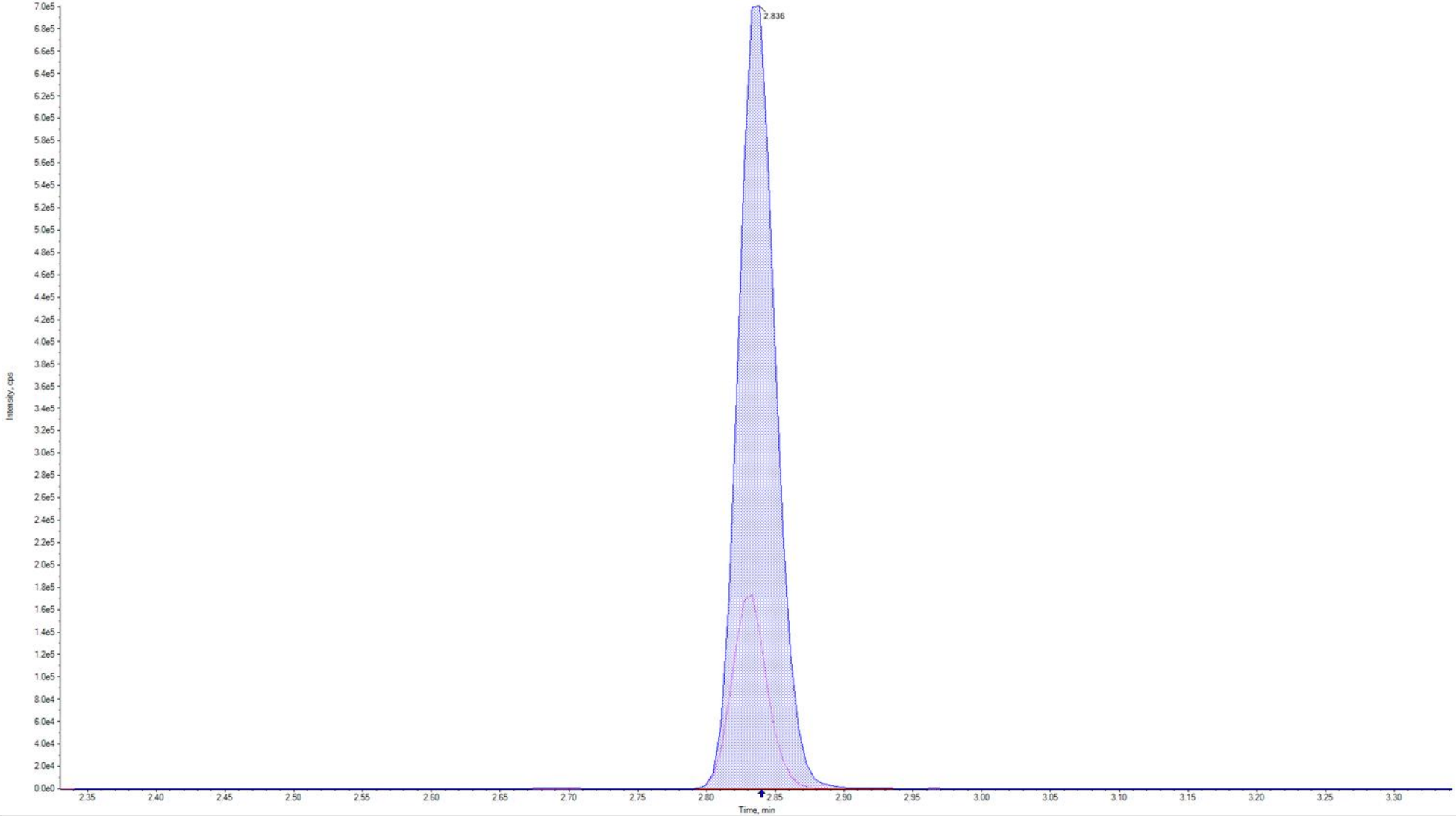


PFHpA_2
Sample: IA1633STD-12.5 S/N:14044.0 Points Across peak:30



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PFOA
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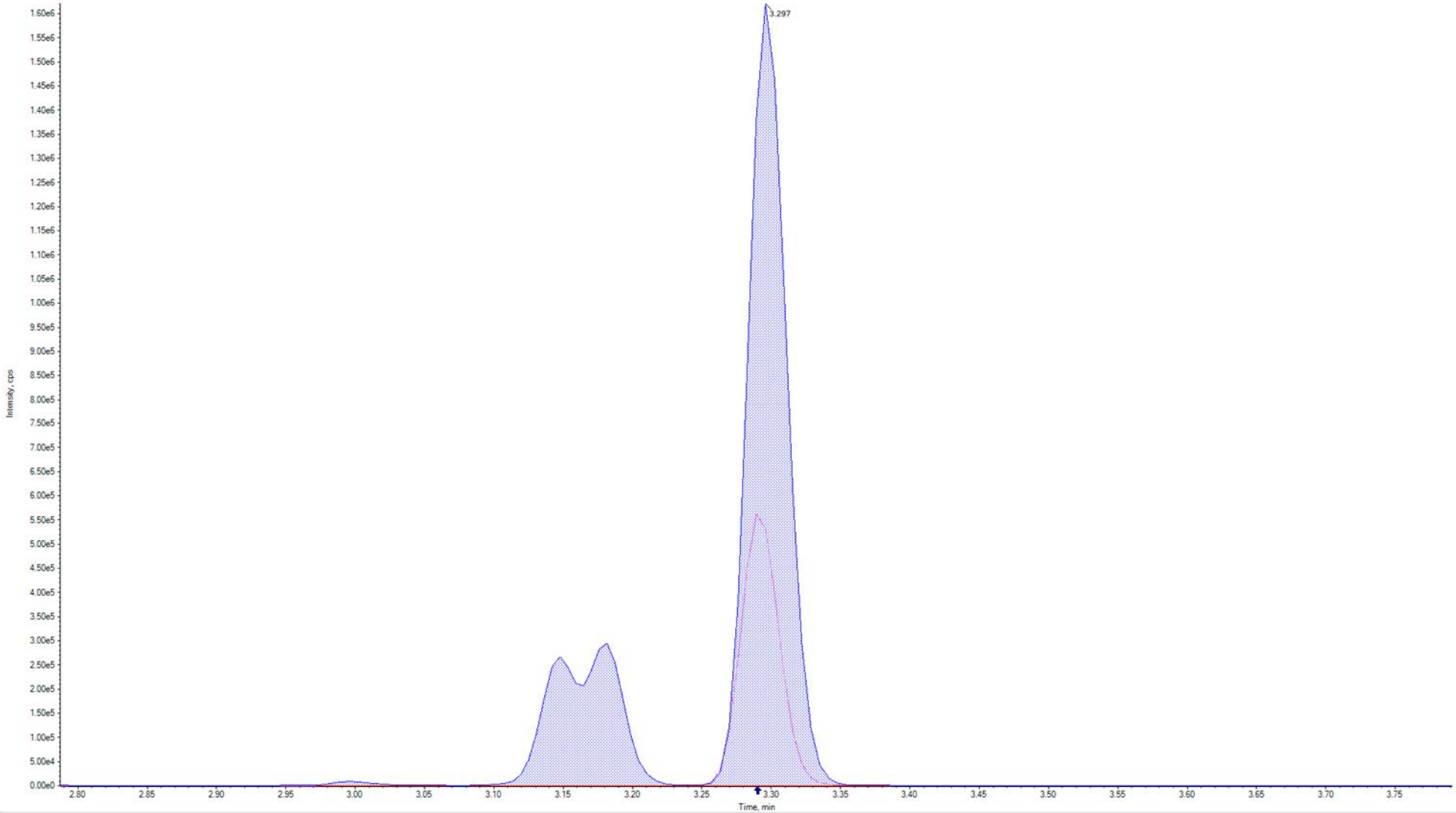

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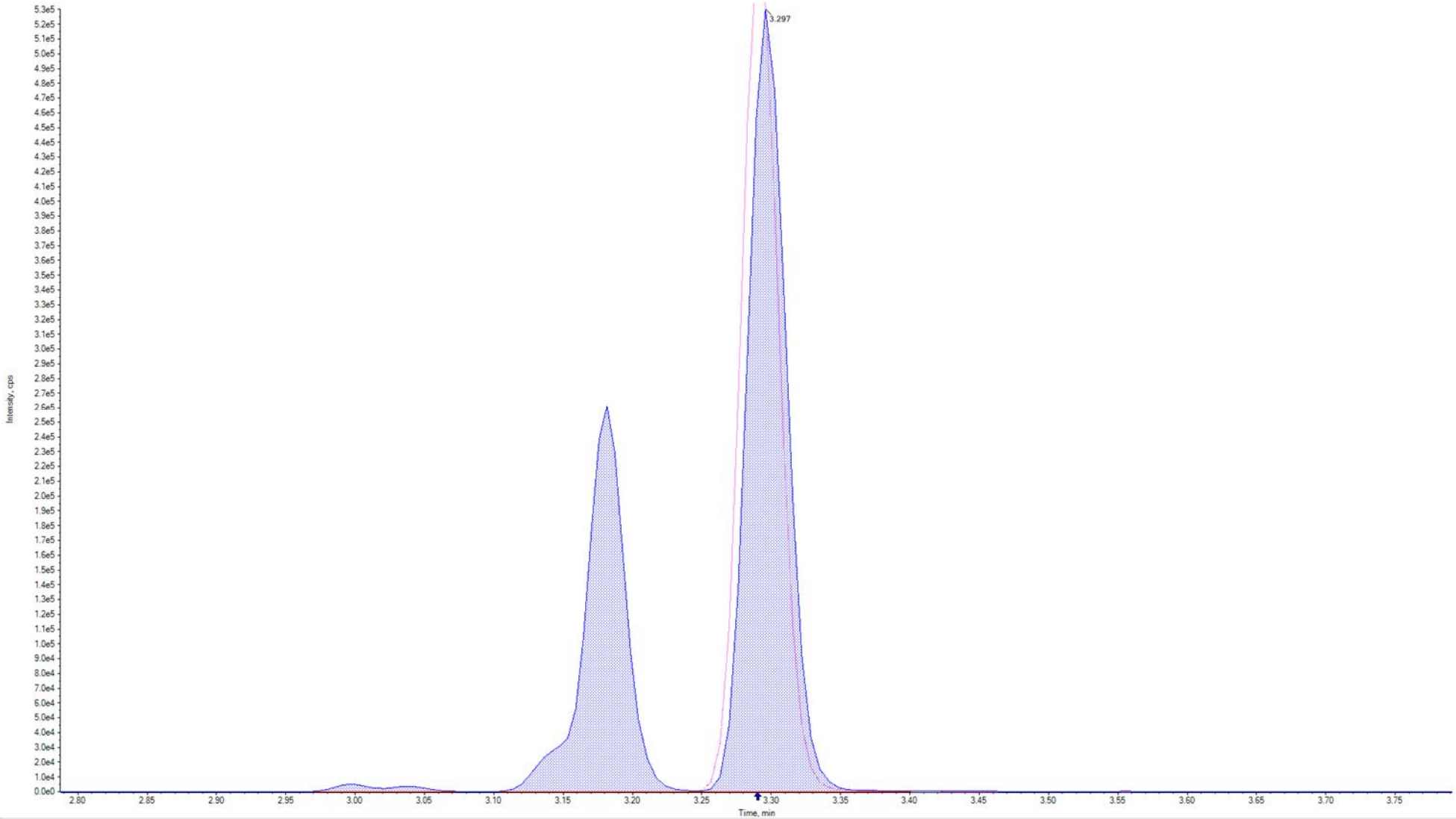
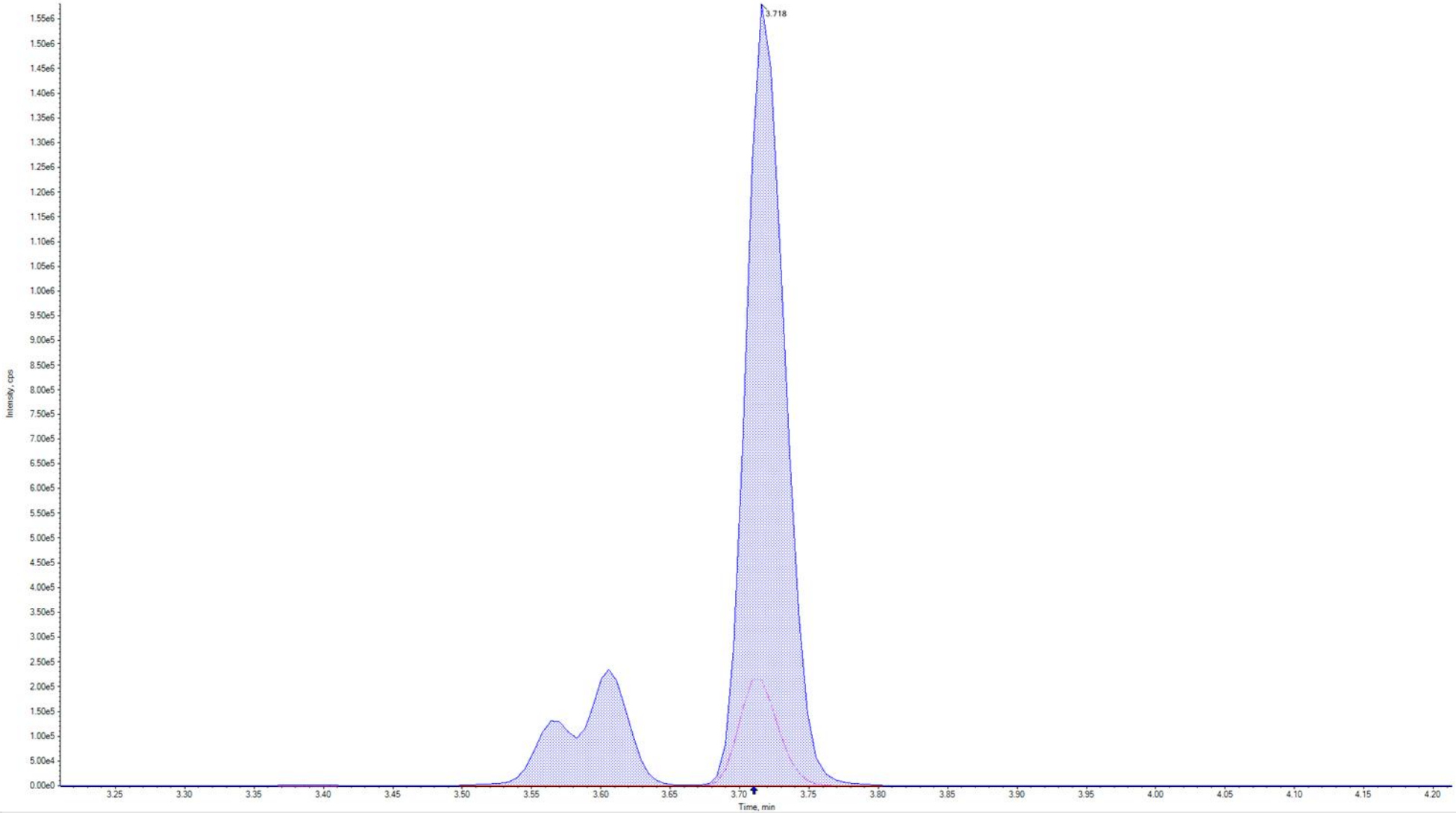
PFOA_2
Sample: IA1633STD-12.5 S/N:493.8 Points Across peak:74

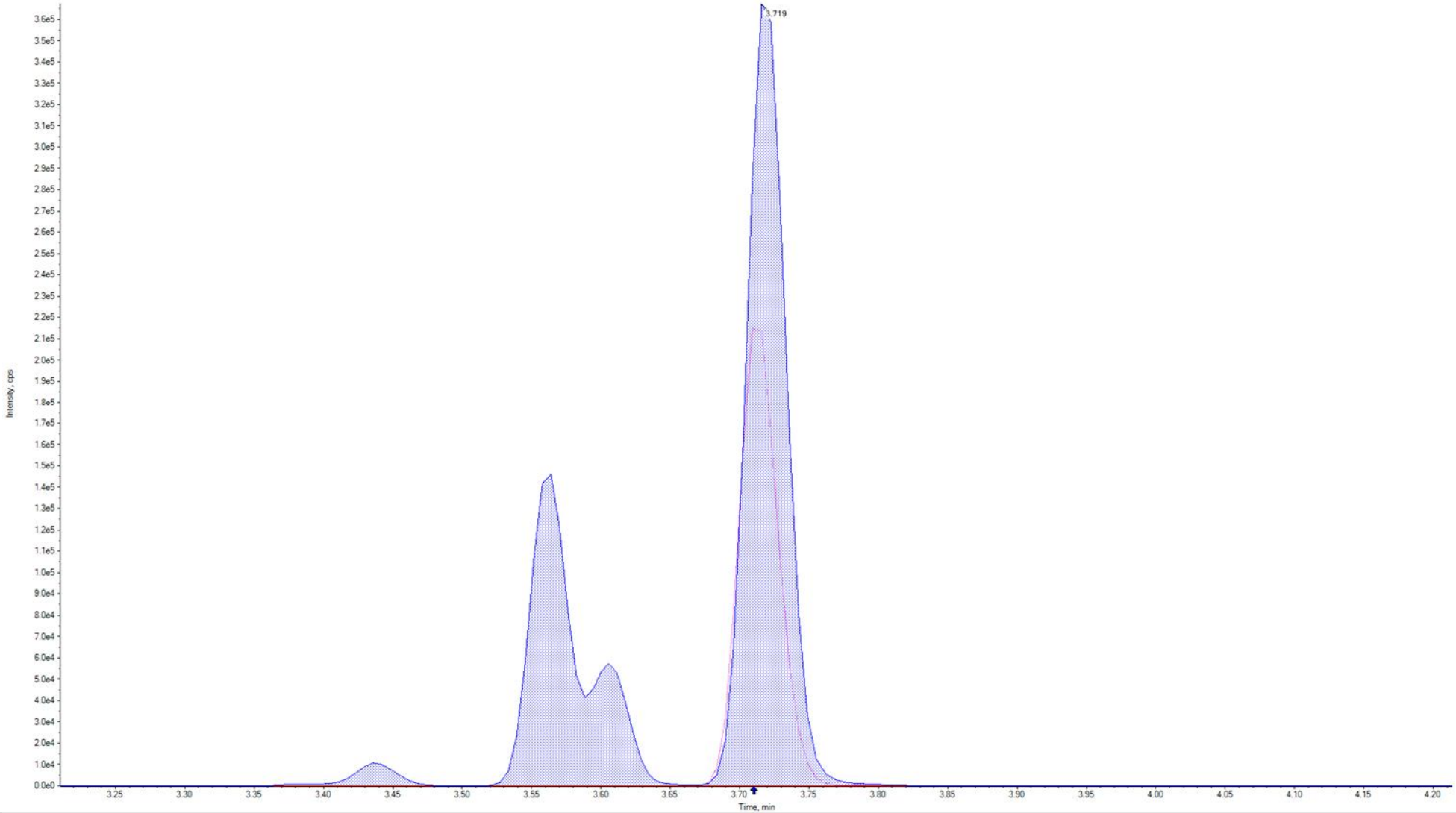


PFNA
Sample: IA1633STD-12.5 S/N:1048.8 Points Across peak:55



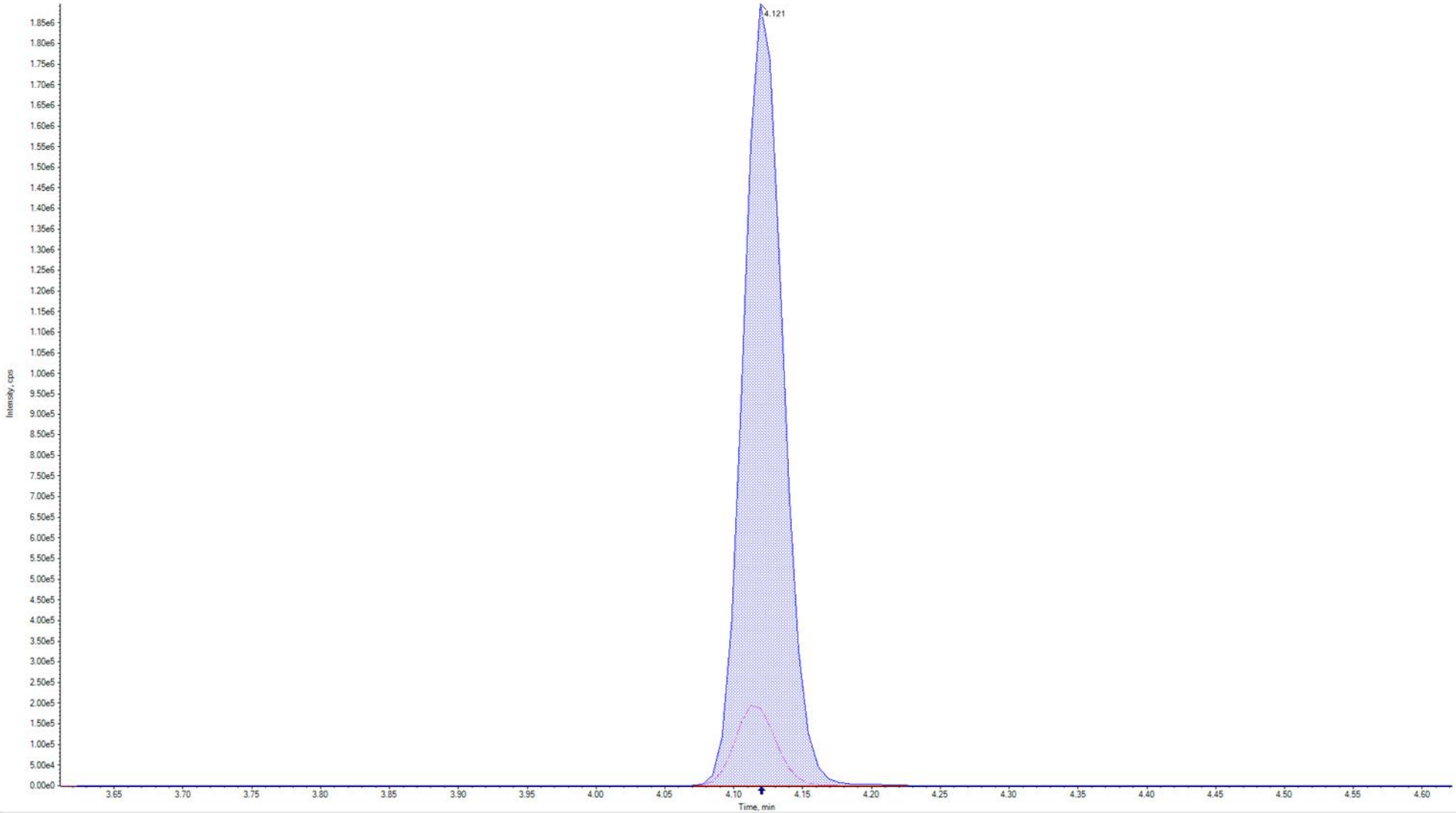
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFNA_2
Sample: IA1633STD-12.5 S/N:443.0 Points Across peak:78



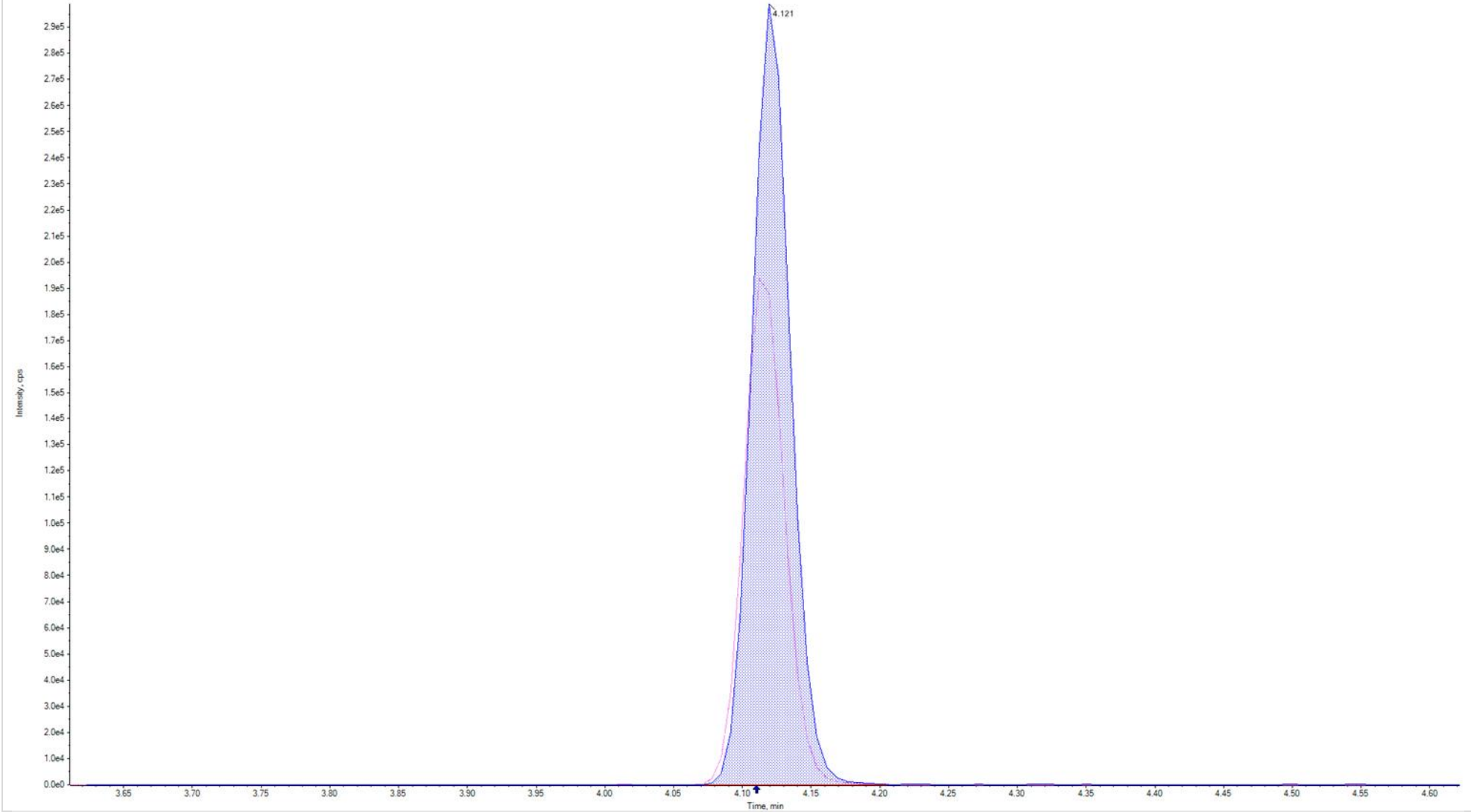
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDA
Sample: IA1633STD-12.5 S/N:11355.3 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDA_2
Sample: IA1633STD-12.5 S/N:4714.9 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
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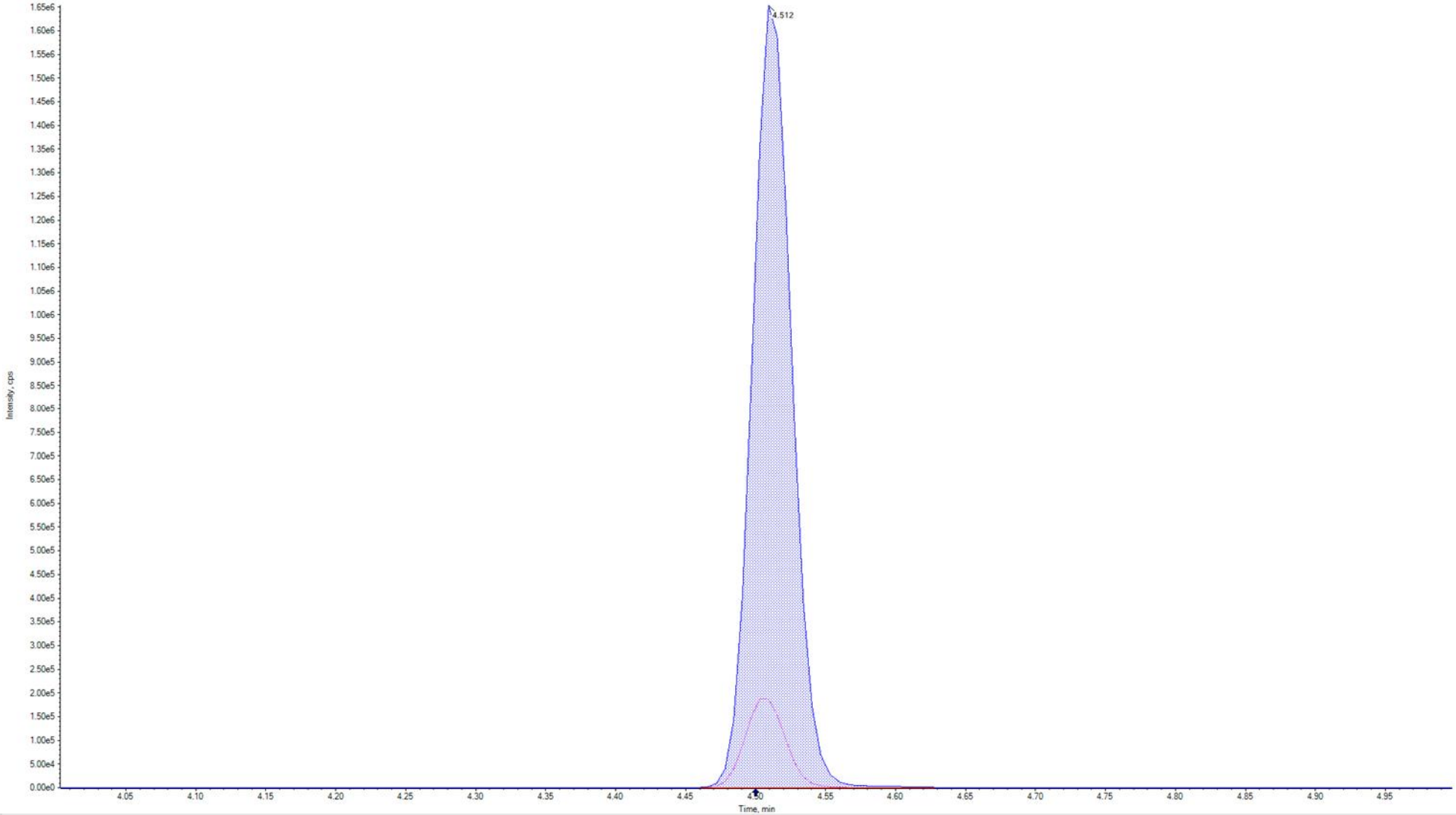
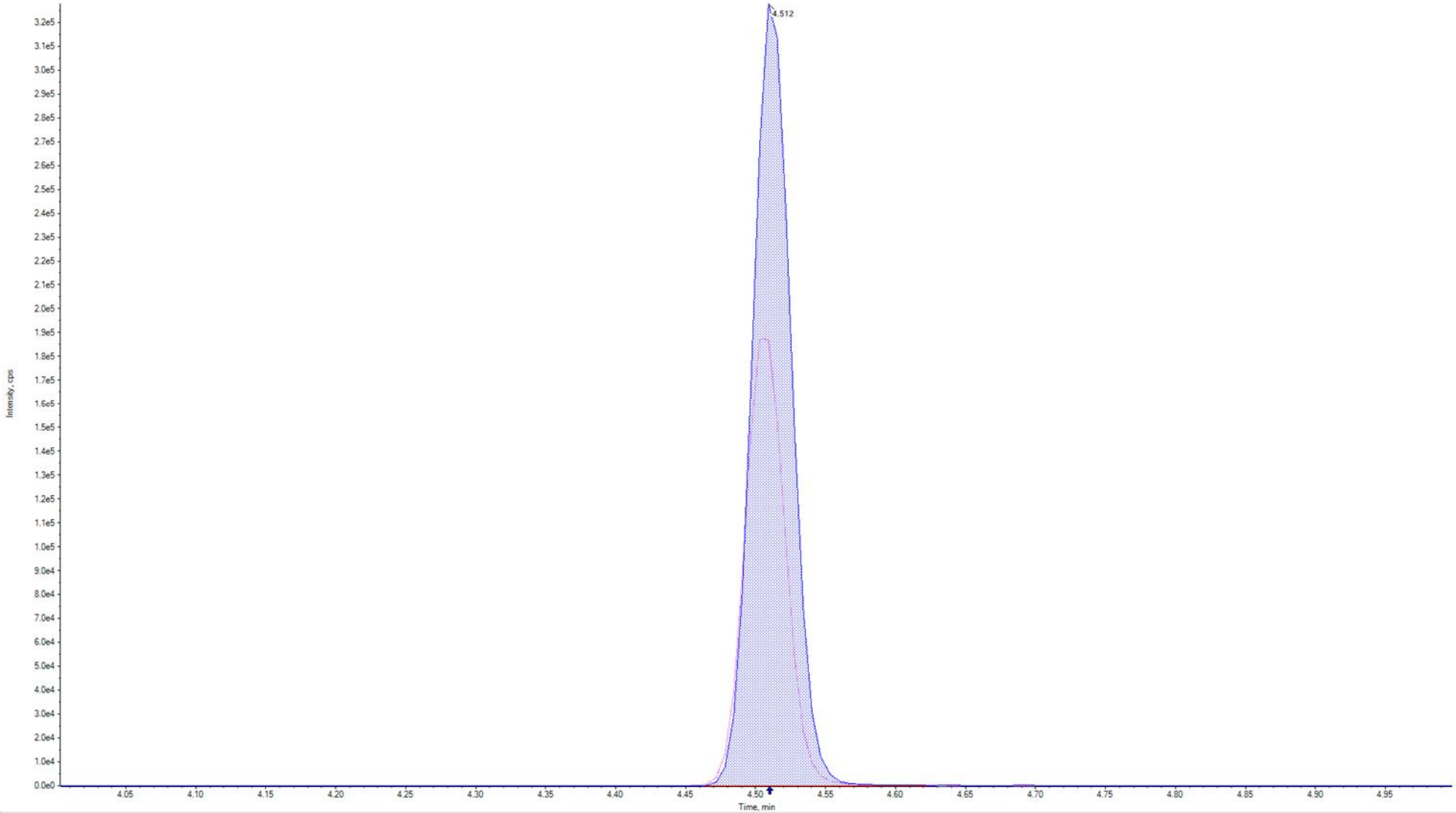
PFUnA
Sample: IA1633STD-12.5 S/N:9176.6 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFUnA_2
Sample: IA1633STD-12.5 S/N:7393.7 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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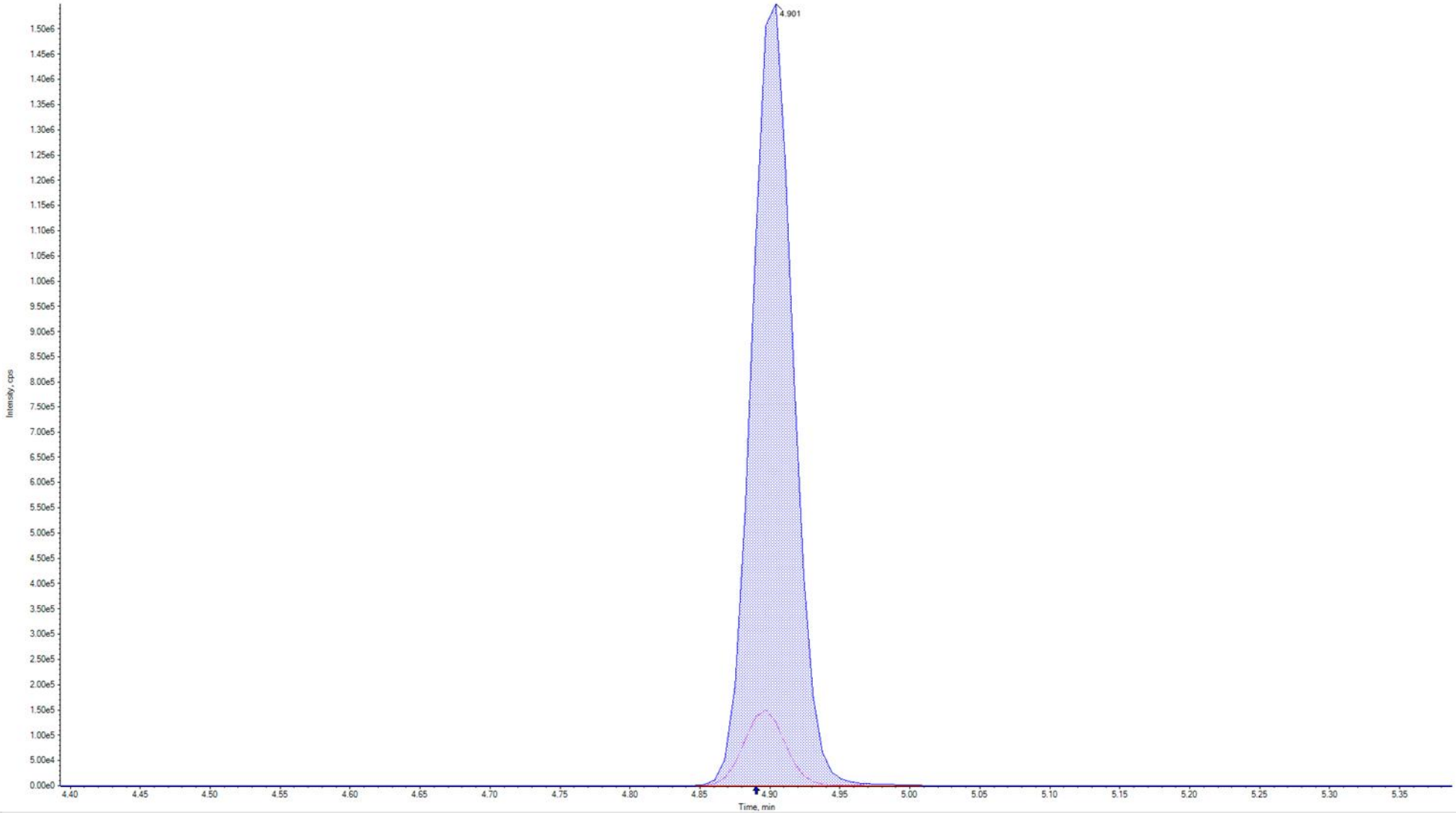
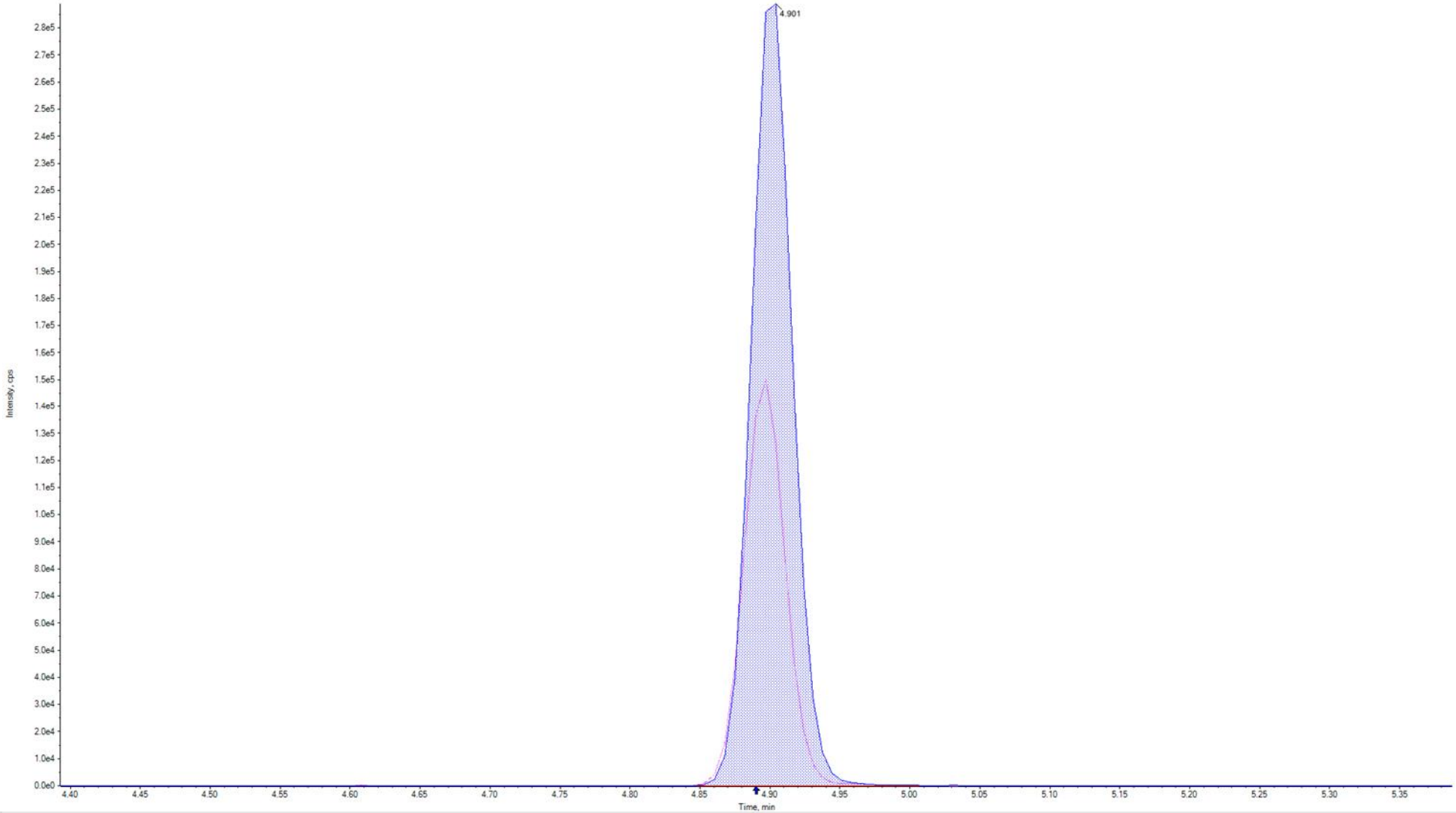
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDoA
Sample: IA1633STD-12.5 S/N:12506.5 Points Across peak:32

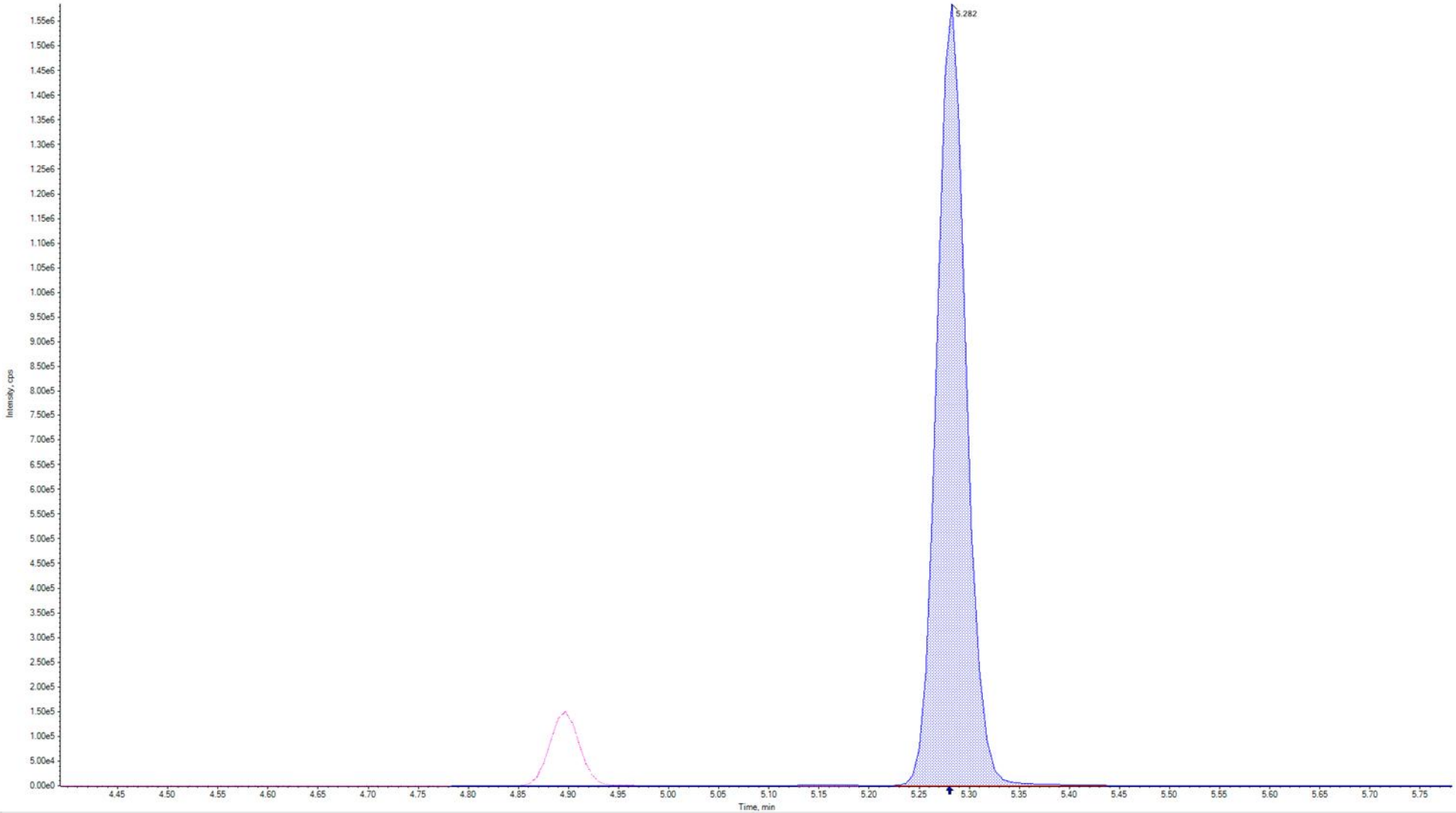


PFDoA_2
Sample: IA1633STD-12.5 S/N:5350.2 Points Across peak:28



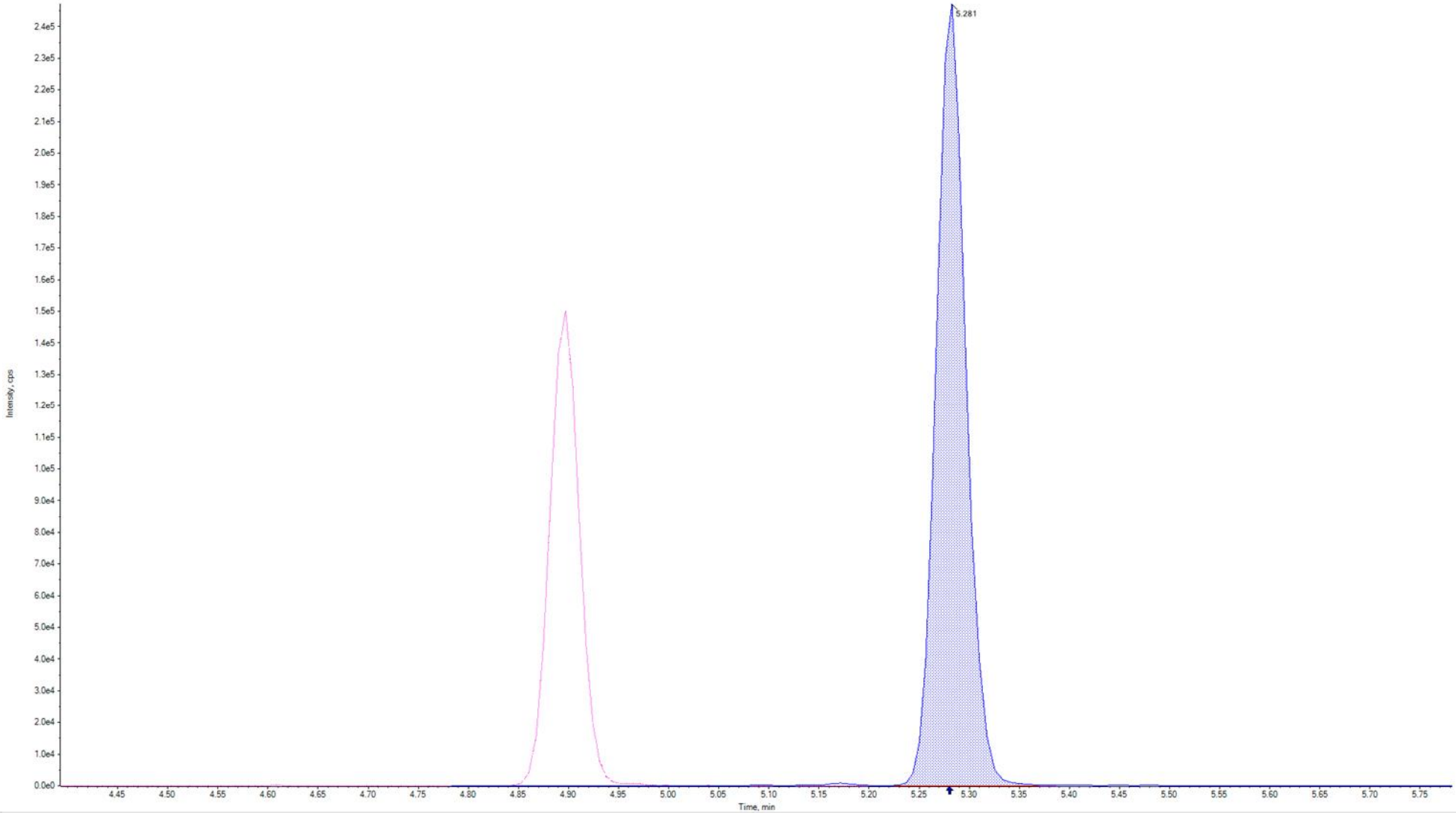
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFTrDA
Sample: IA1633STD-12.5 S/N:5296.0 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFTrDA_2
Sample: IA1633STD-12.5 S/N:2819.6 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
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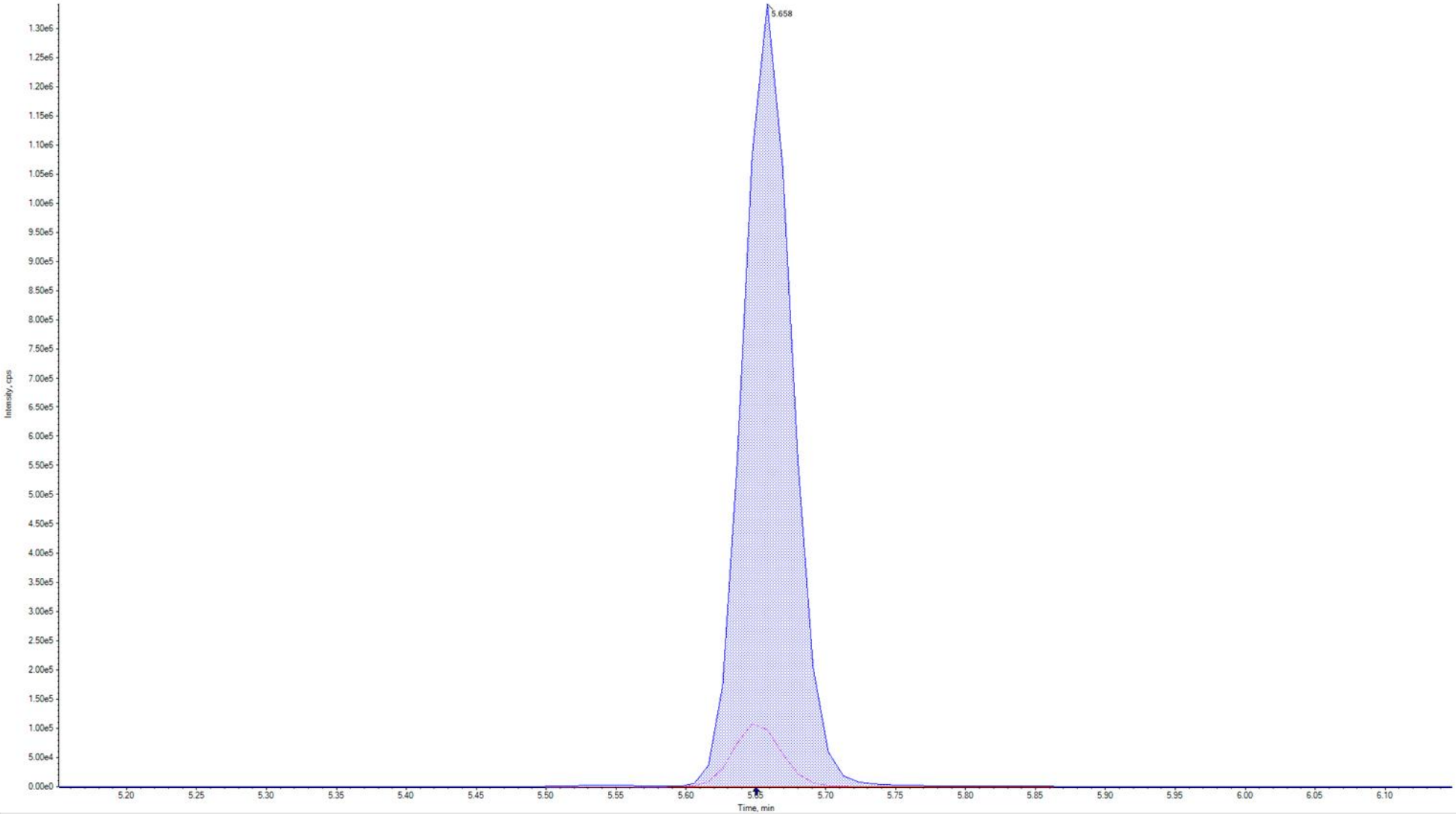
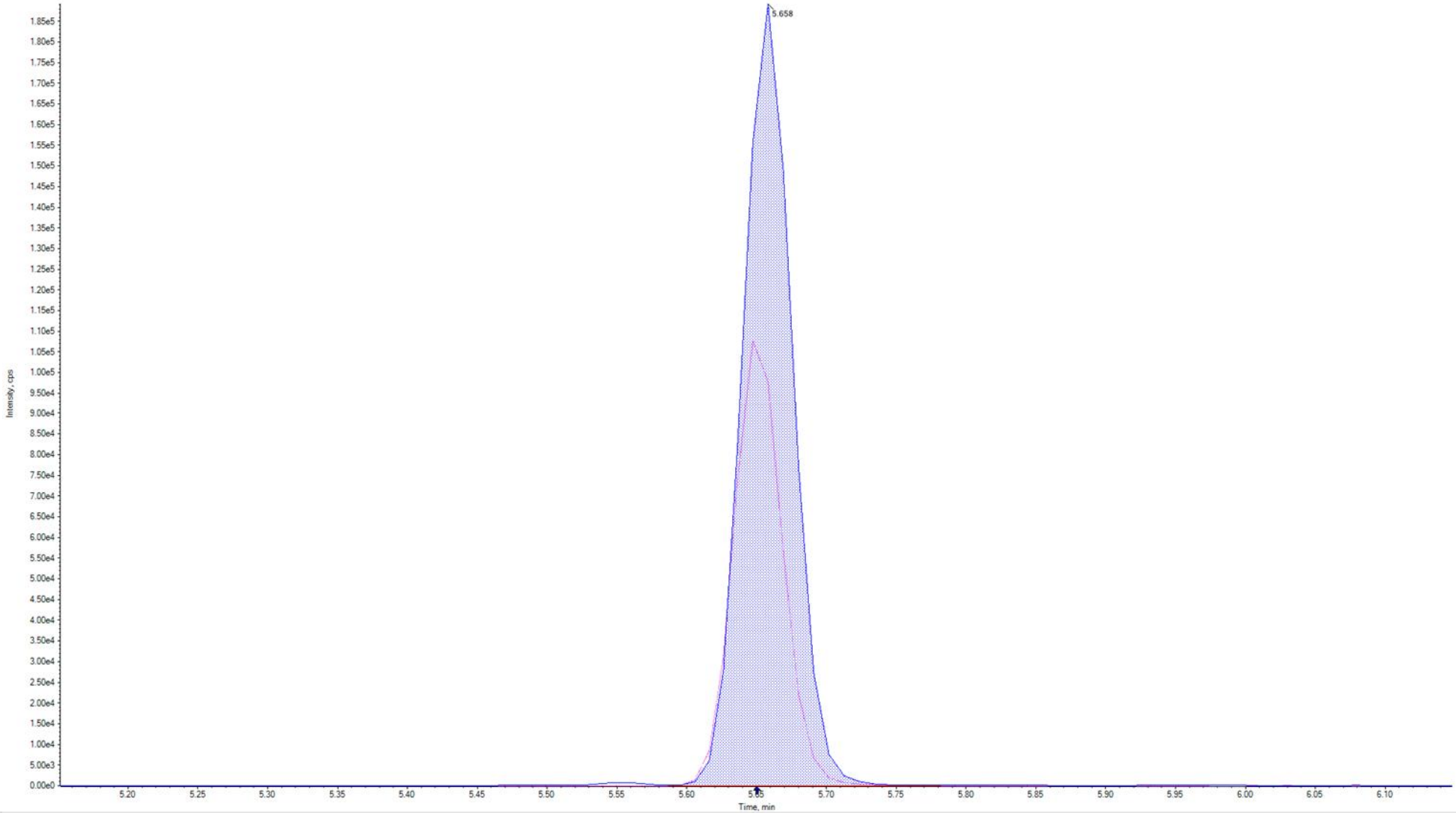
PFTeDA
Sample: IA1633STD-12.5 S/N:4573.7 Points Across peak:32



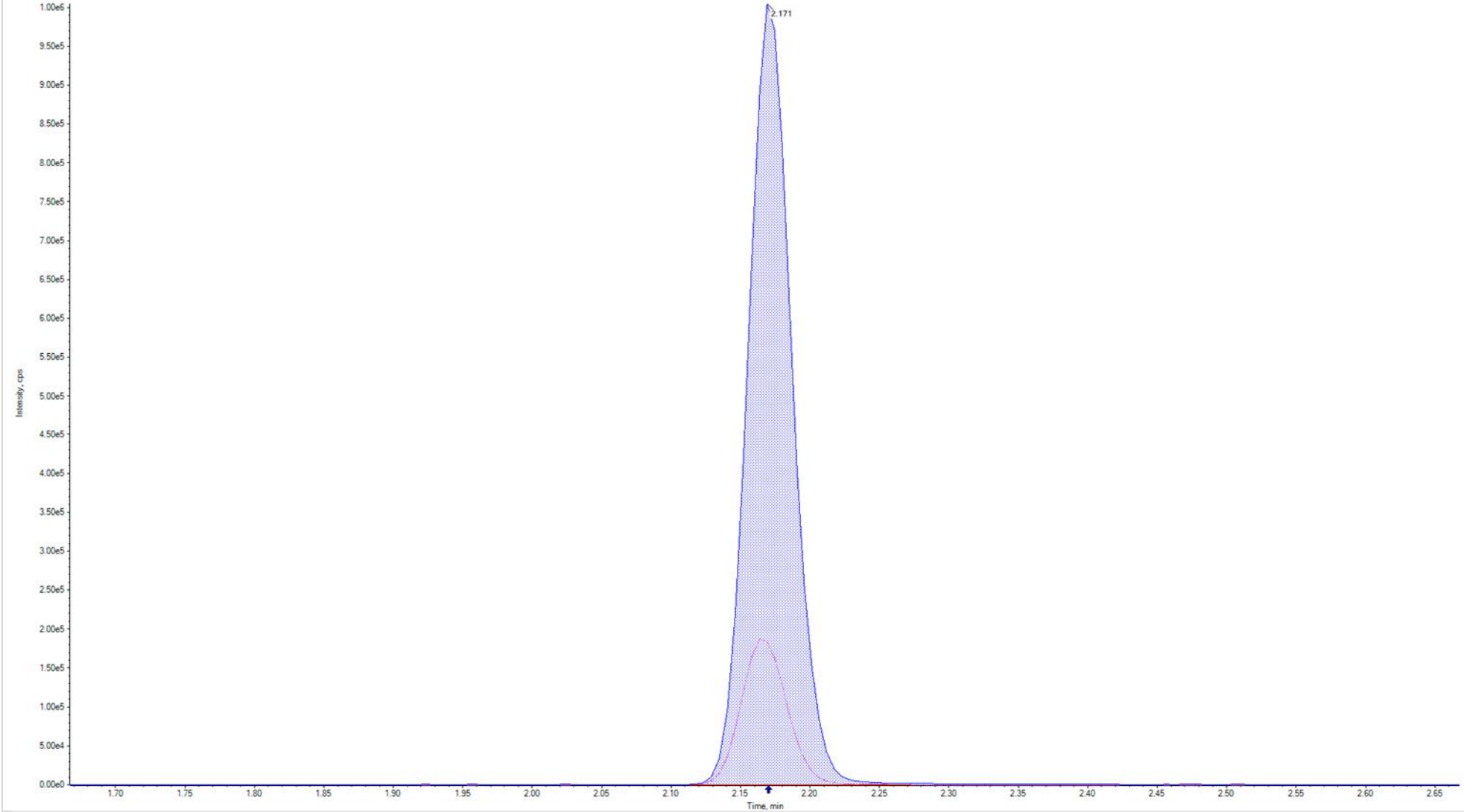
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFTeDA_2
Sample: IA1633STD-12.5 S/N:11855.4 Points Across peak:19



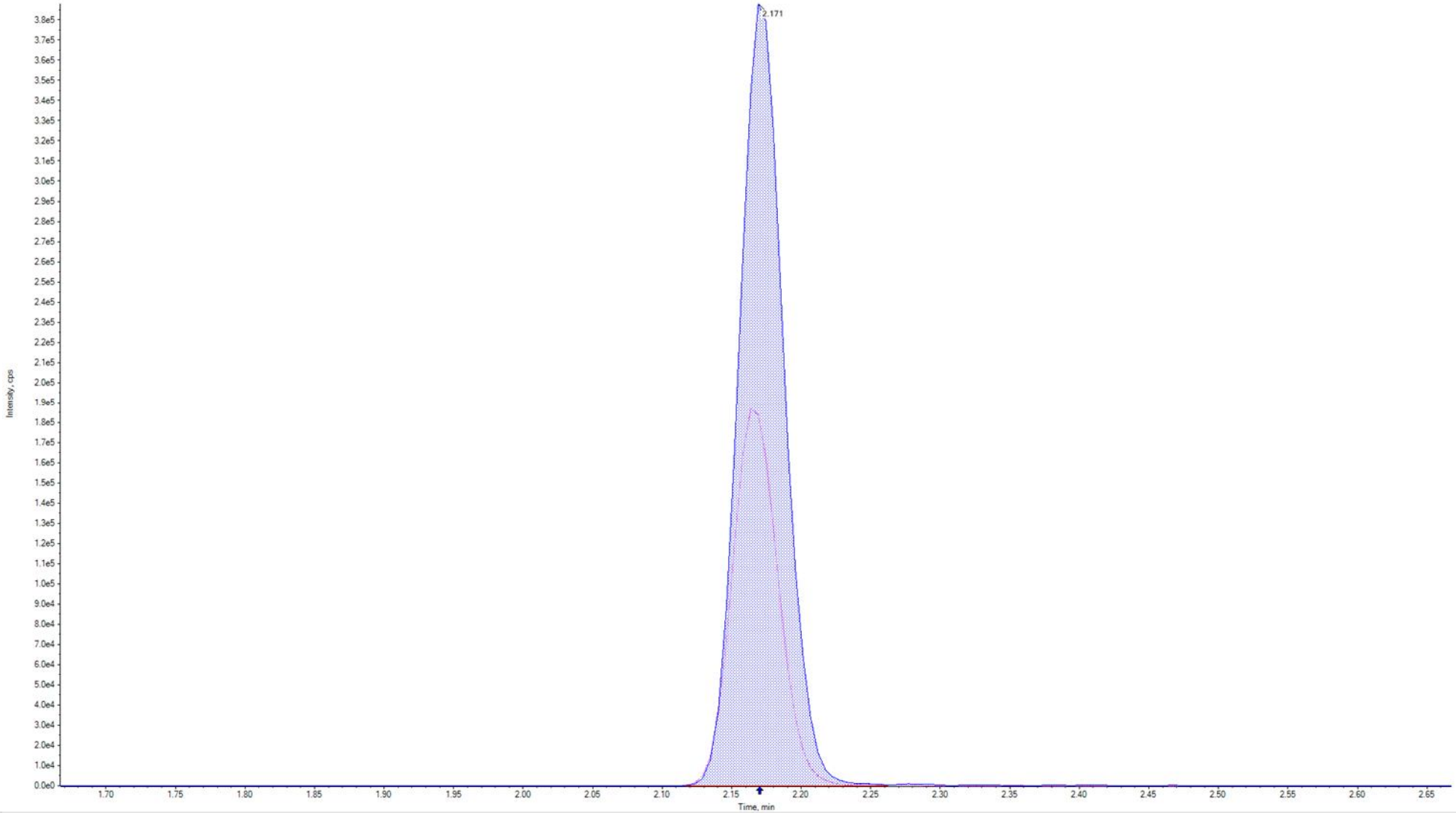
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFBS
Sample: IA1633STD-12.5 S/N:7671.0 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFBS_2
Sample: IA1633STD-12.5 S/N:3977.3 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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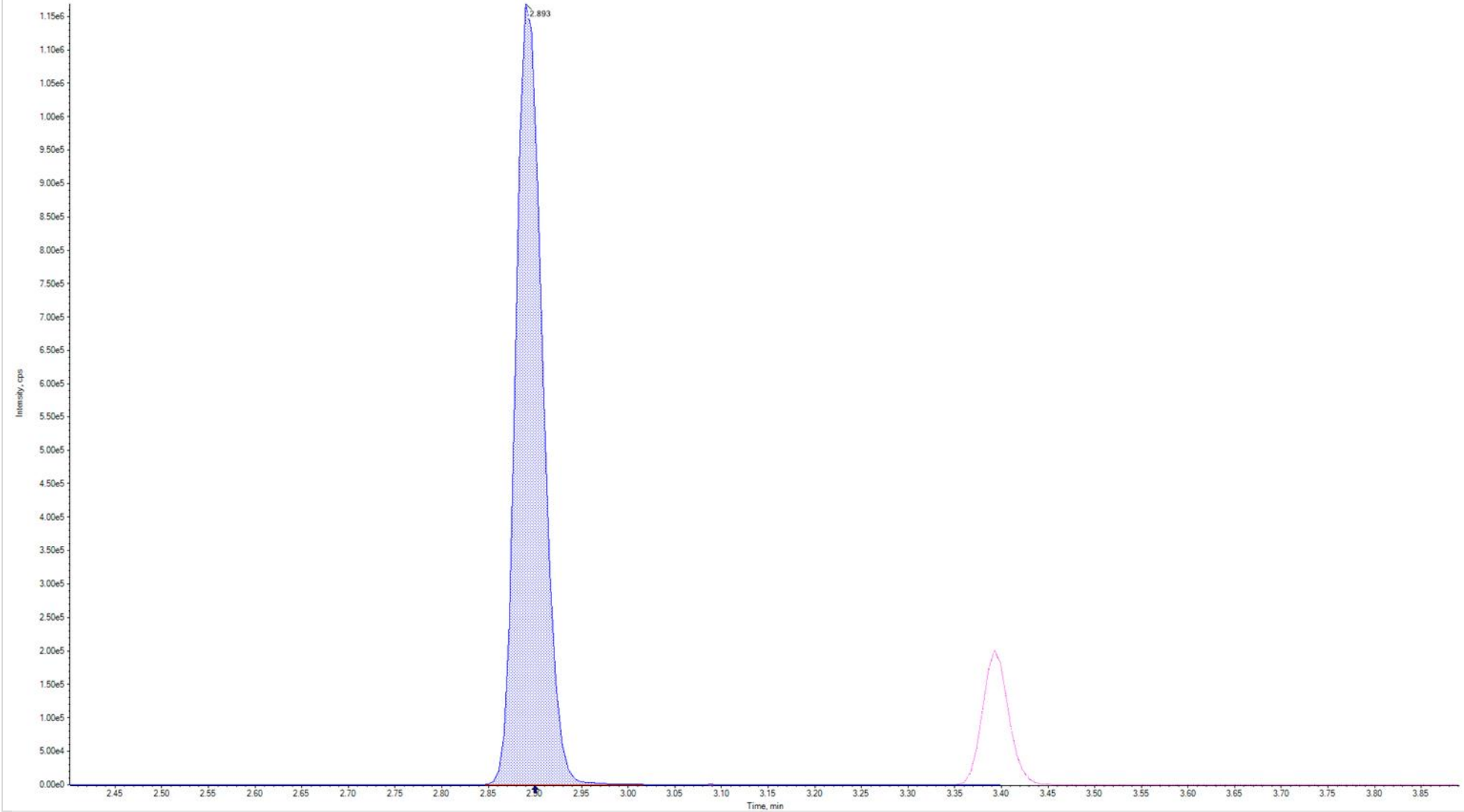
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFPeS
Sample: IA1633STD-12.5 S/N:23434.4 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:19:49 PM
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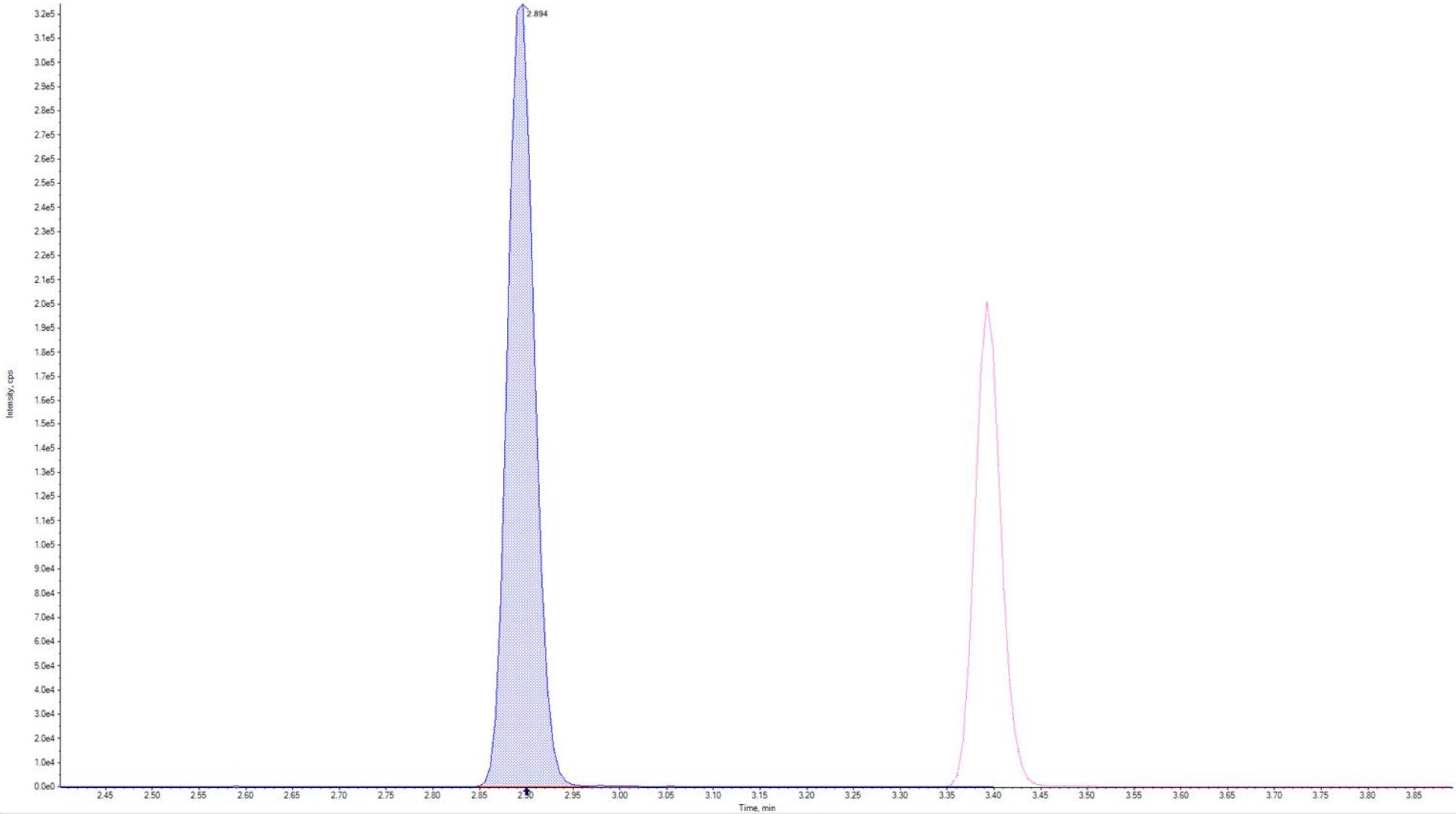
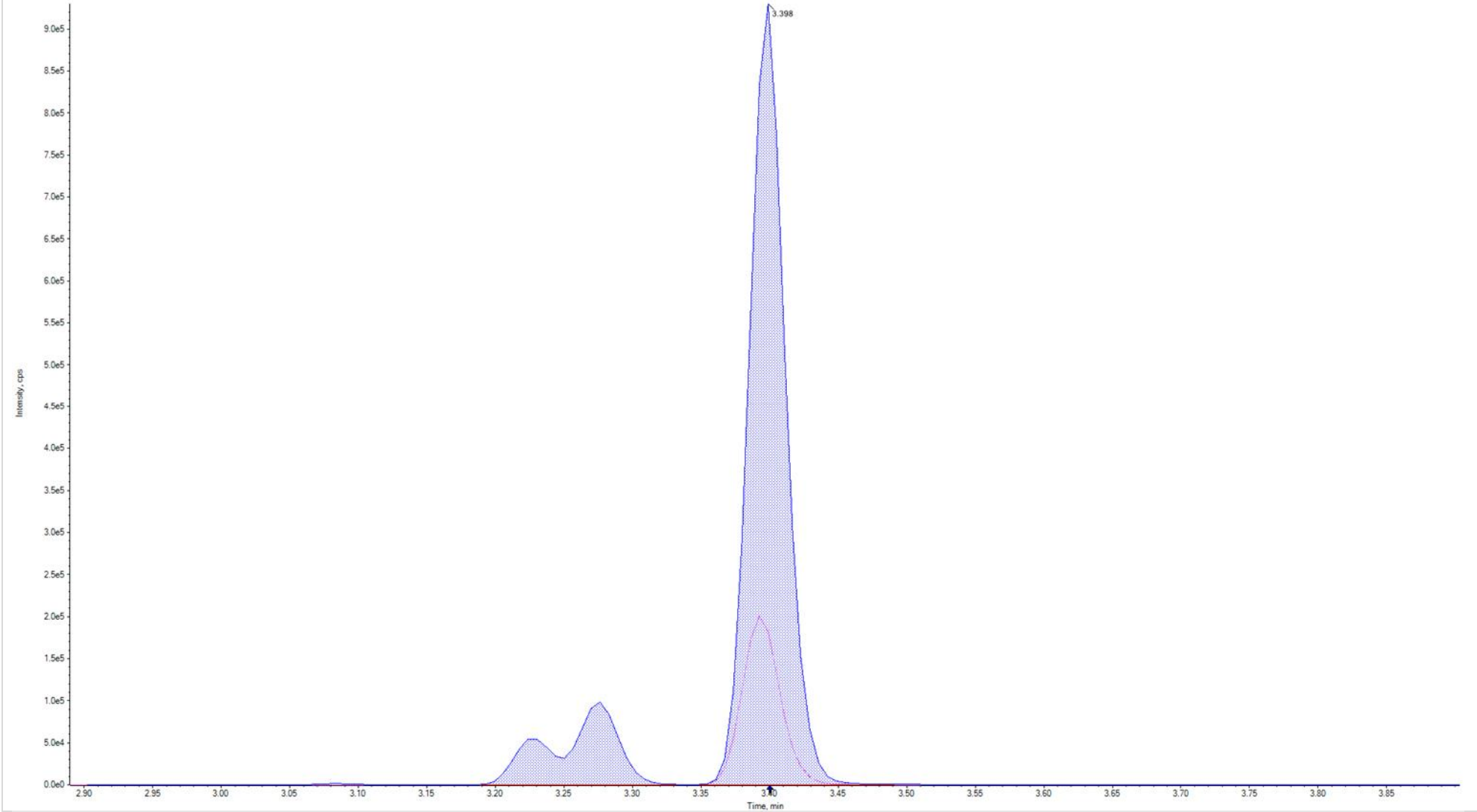
PFPeS_2
Sample: IA1633STD-12.5 S/N:6502.3 Points Across peak:24



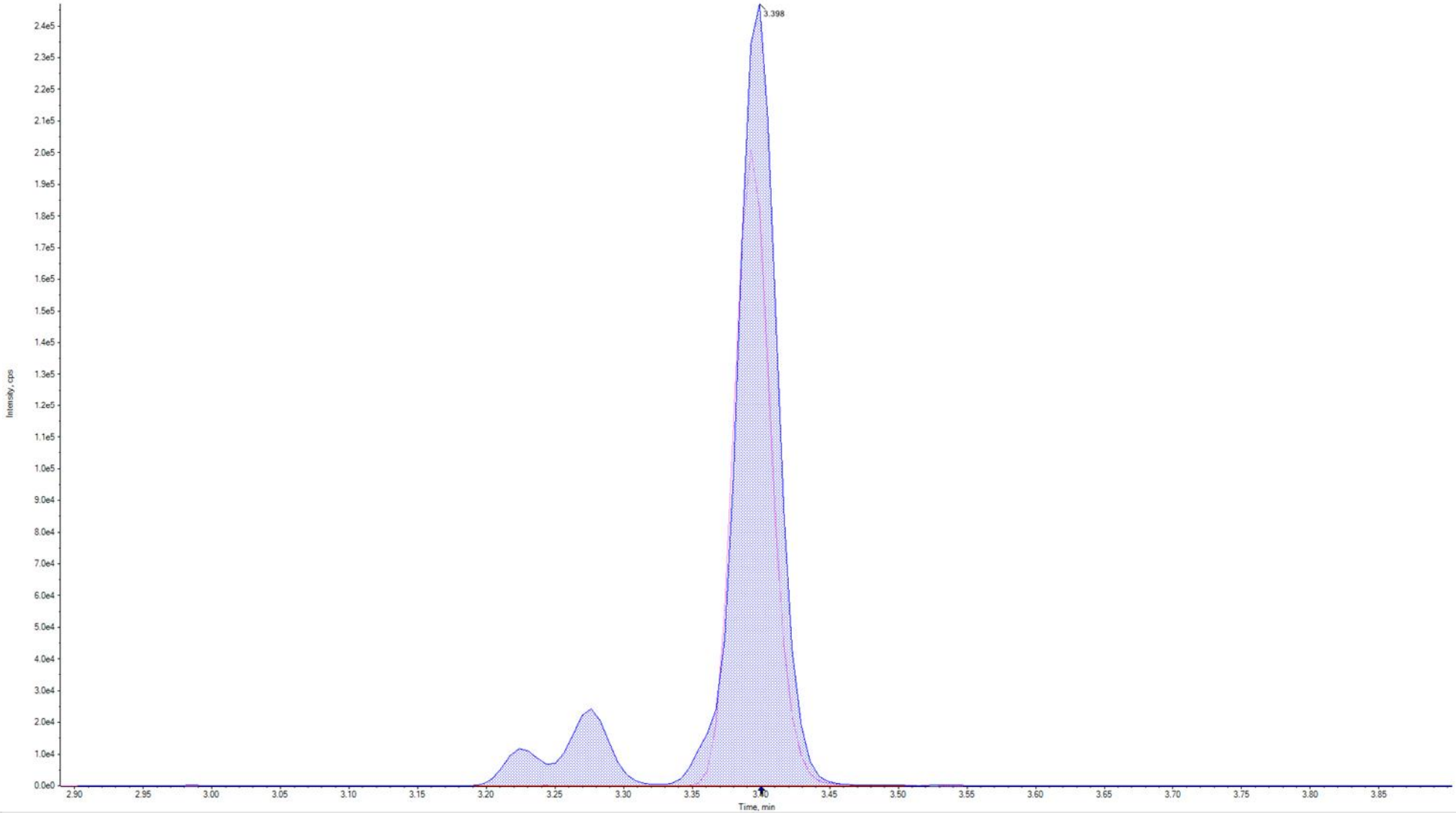
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFHxS
Sample: IA1633STD-12.5 S/N:1232.9 Points Across peak:49



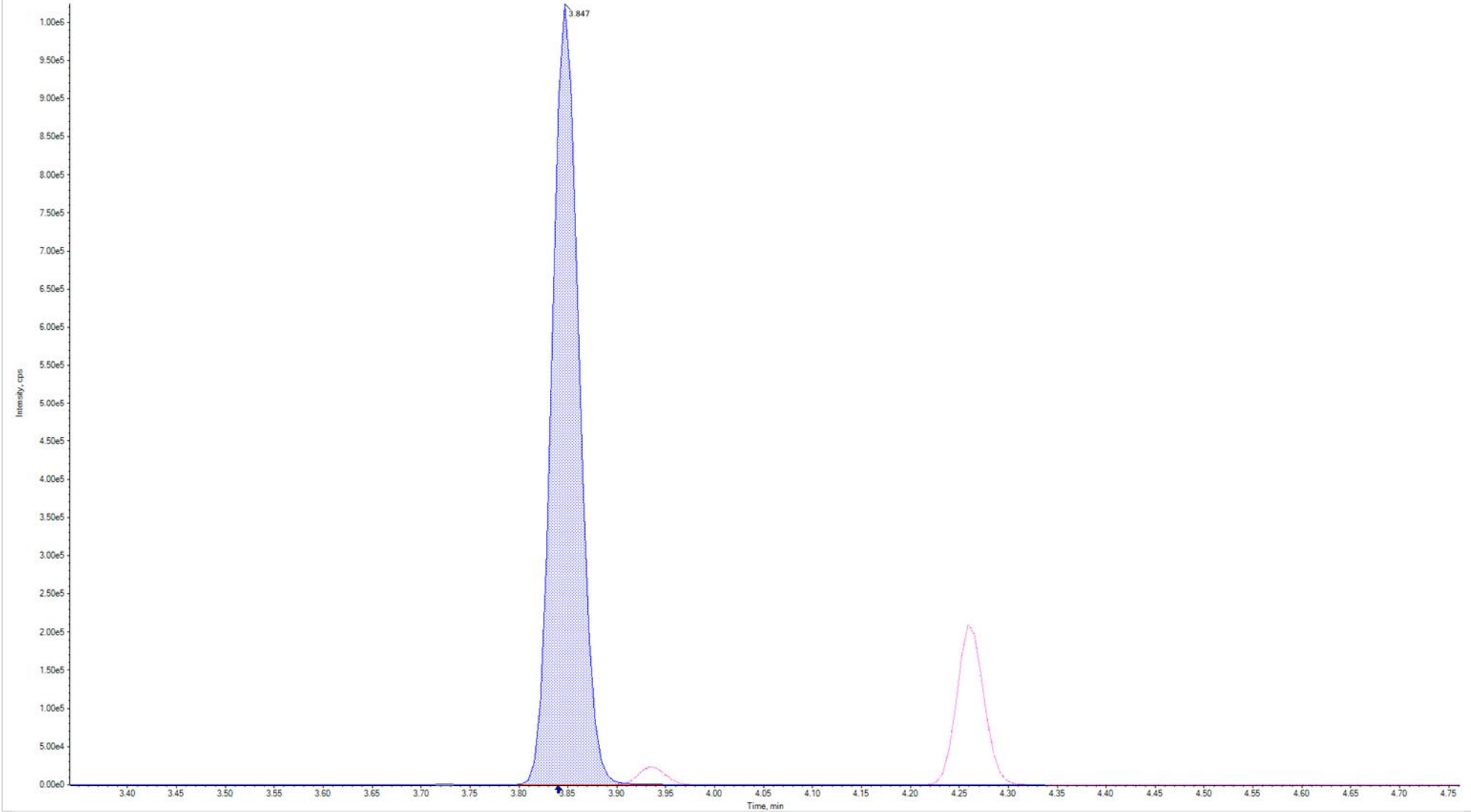
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFHxS_2
Sample: IA1633STD-12.5 S/N:1136.7 Points Across peak:54



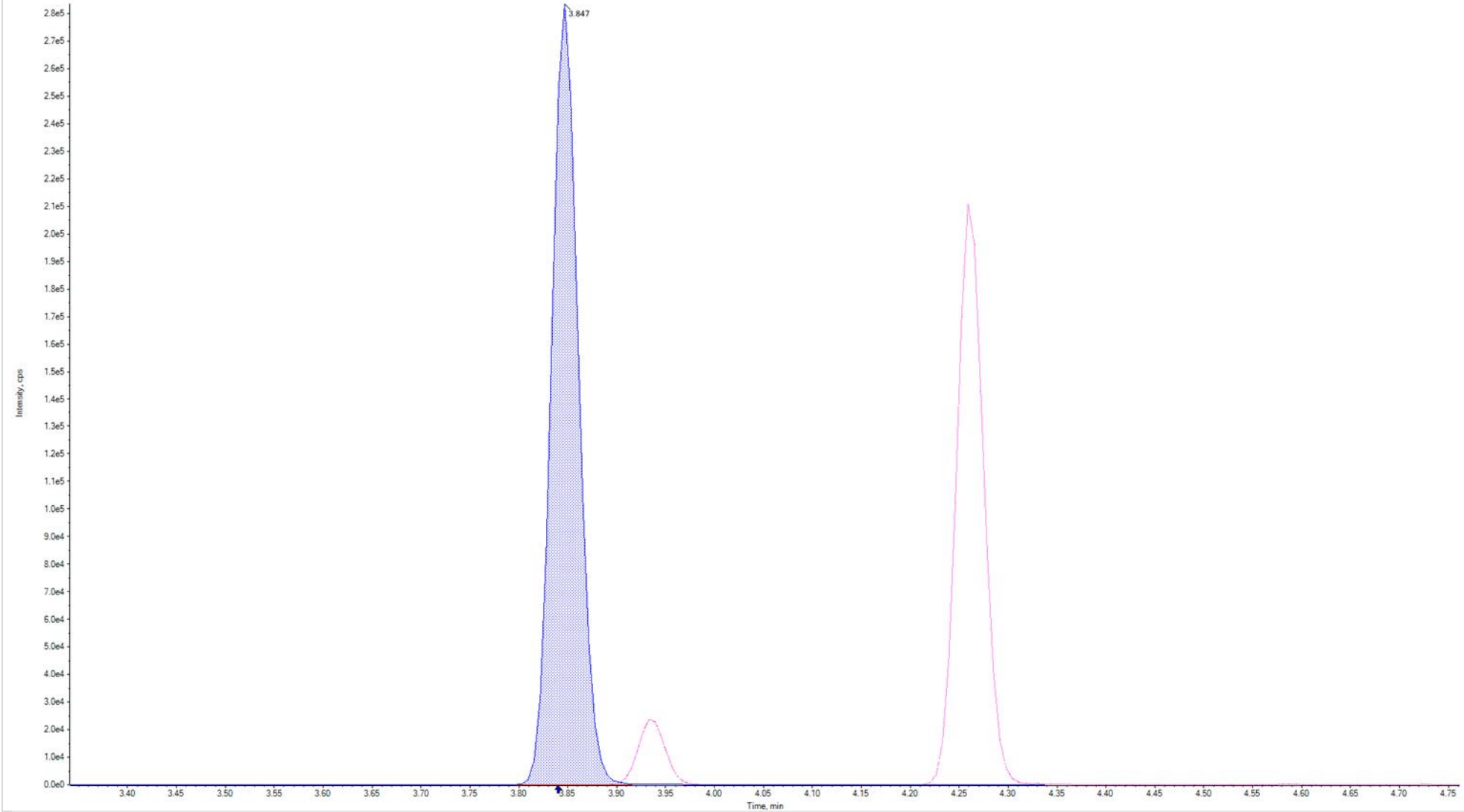
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFHpS
Sample: IA1633STD-12.5 S/N:20534.2 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFHpS_2
Sample: IA1633STD-12.5 S/N:4296.9 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:19:49 PM
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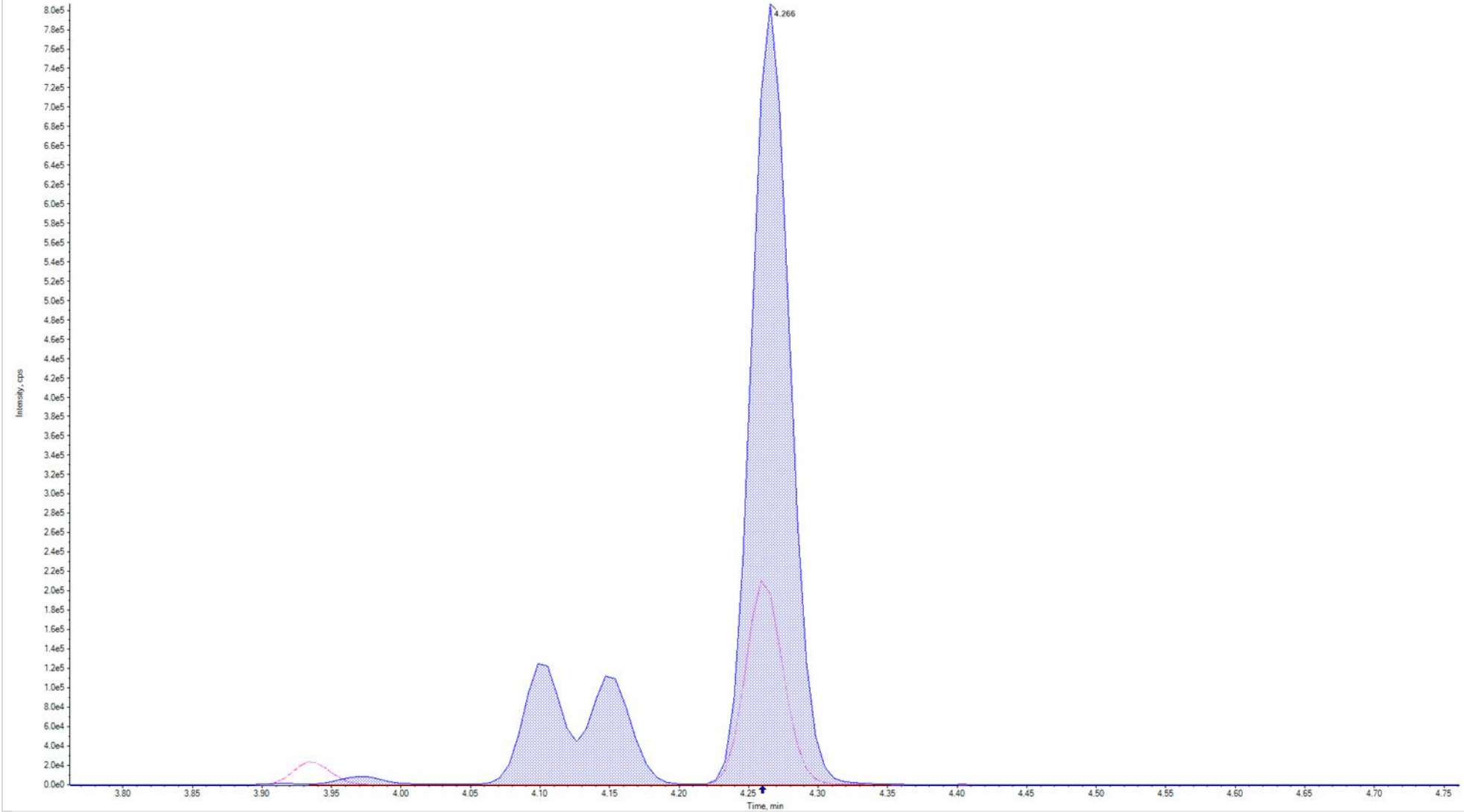
PFOS
Sample: IA1633STD-12.5 S/N:582.2 Points Across peak:65



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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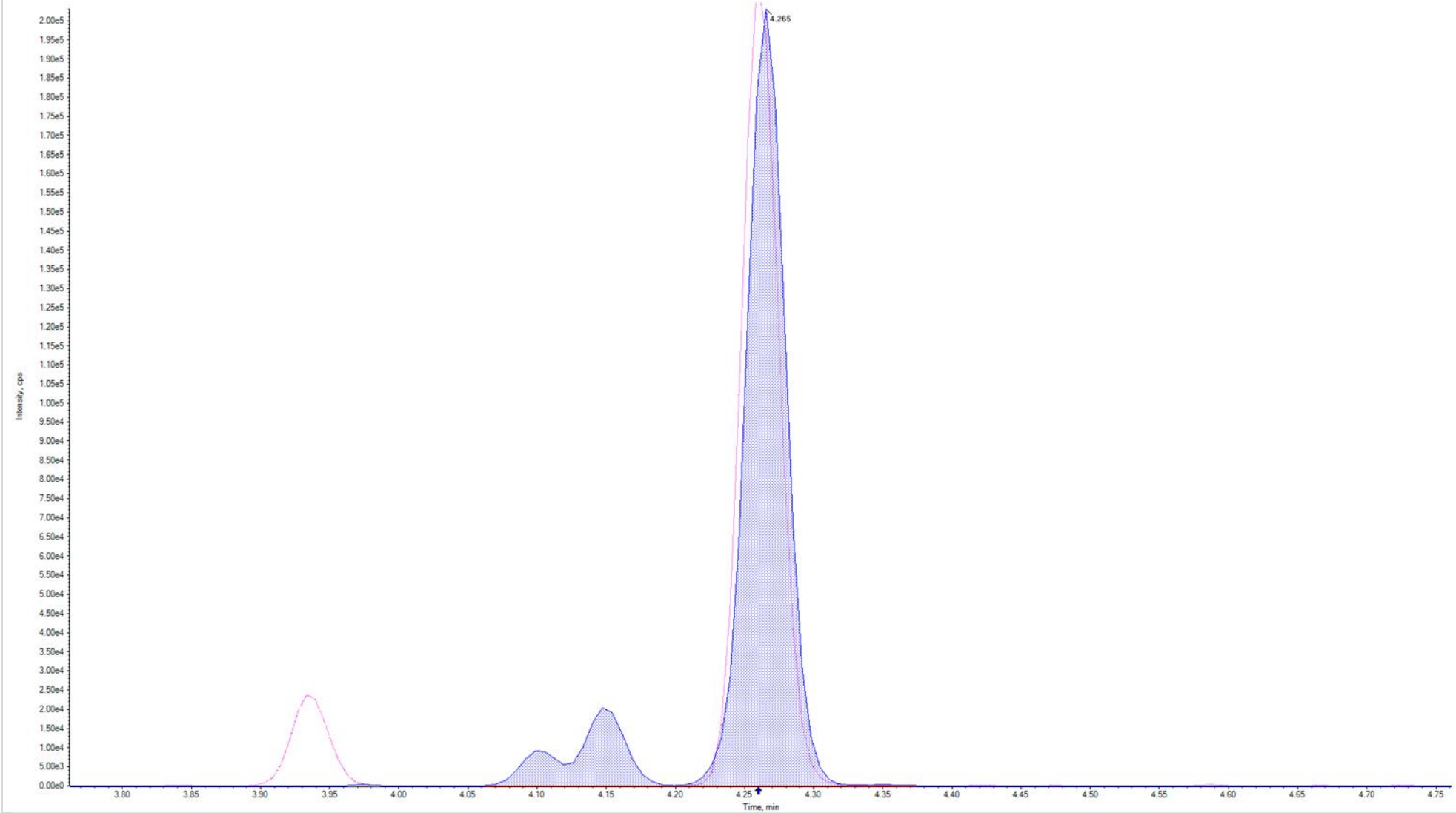
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOS_2
Sample: IA1633STD-12.5 S/N:1111.6 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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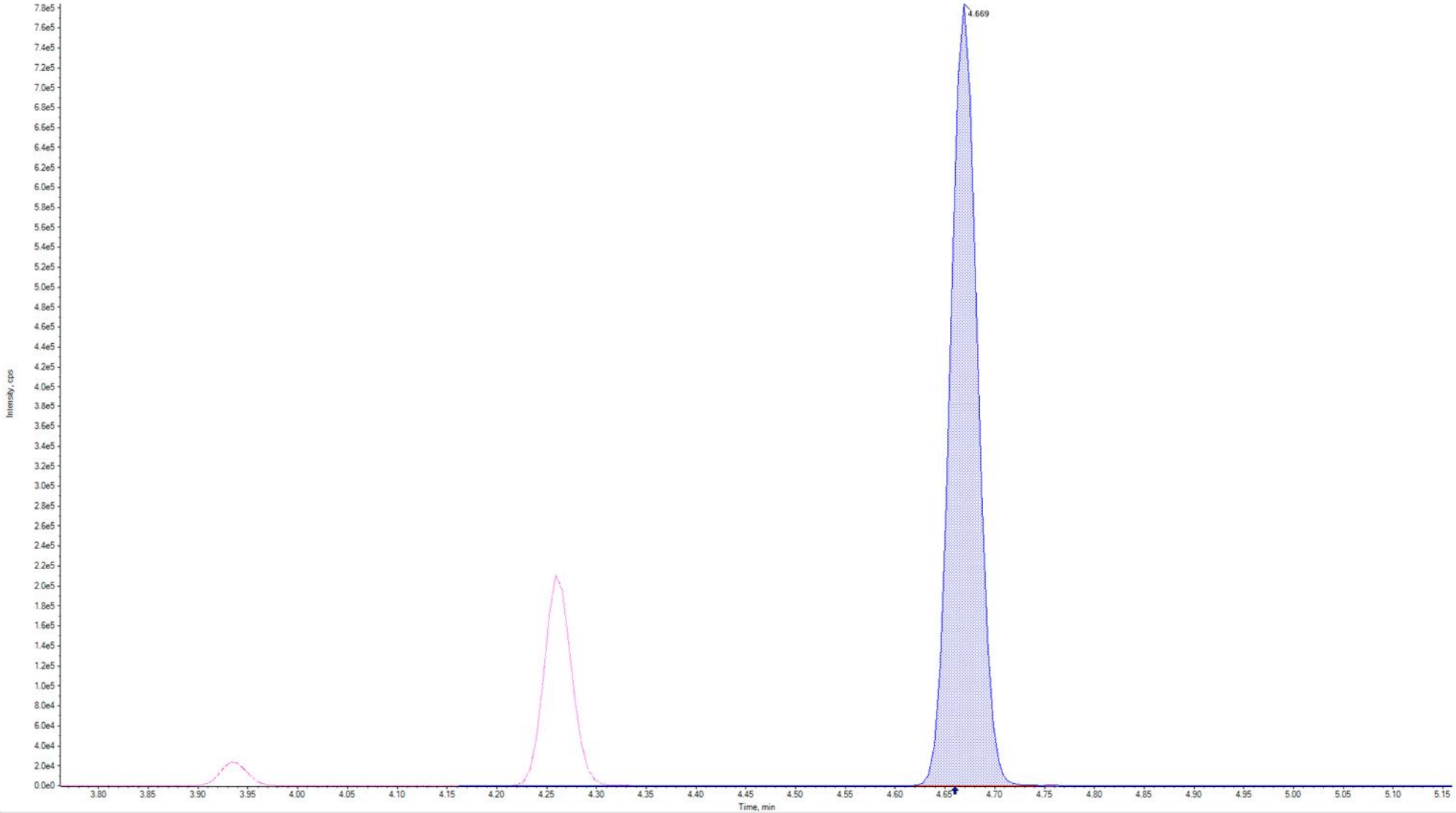
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFNS
Sample: IA1633STD-12.5 S/N:4816.9 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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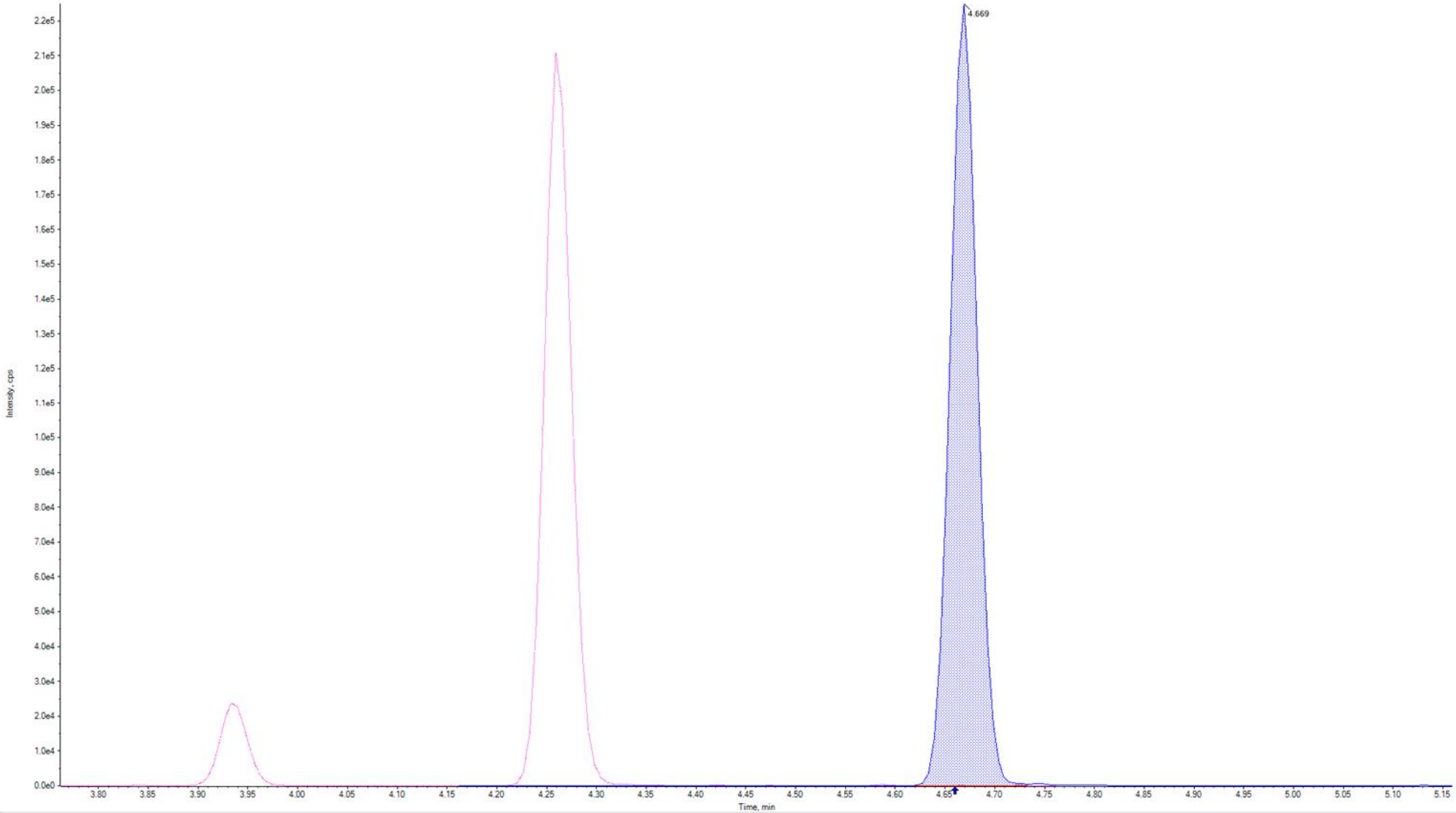
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFNS_2
Sample: IA1633STD-12.5 S/N:5637.5 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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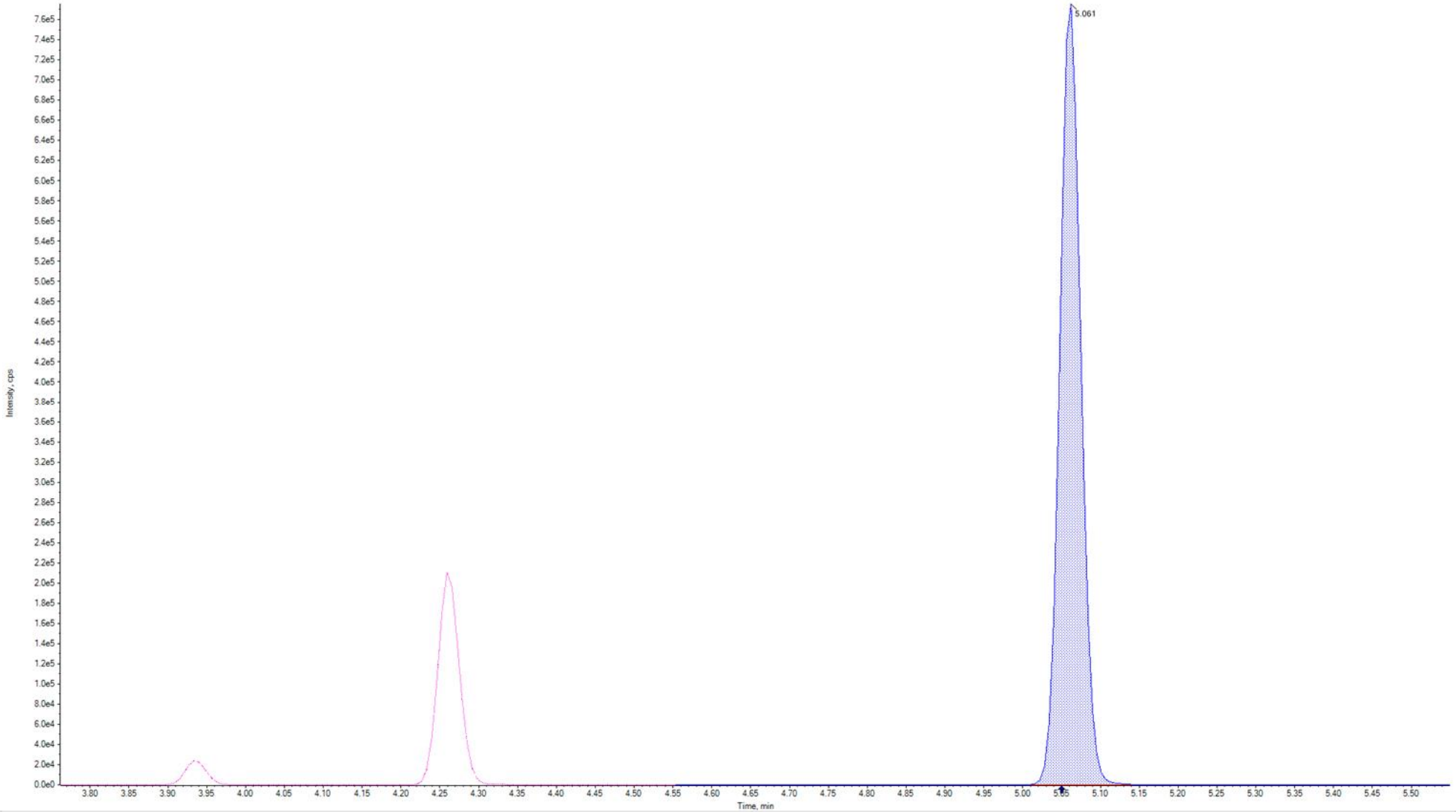
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDS
Sample: IA1633STD-12.5 S/N:27215.8 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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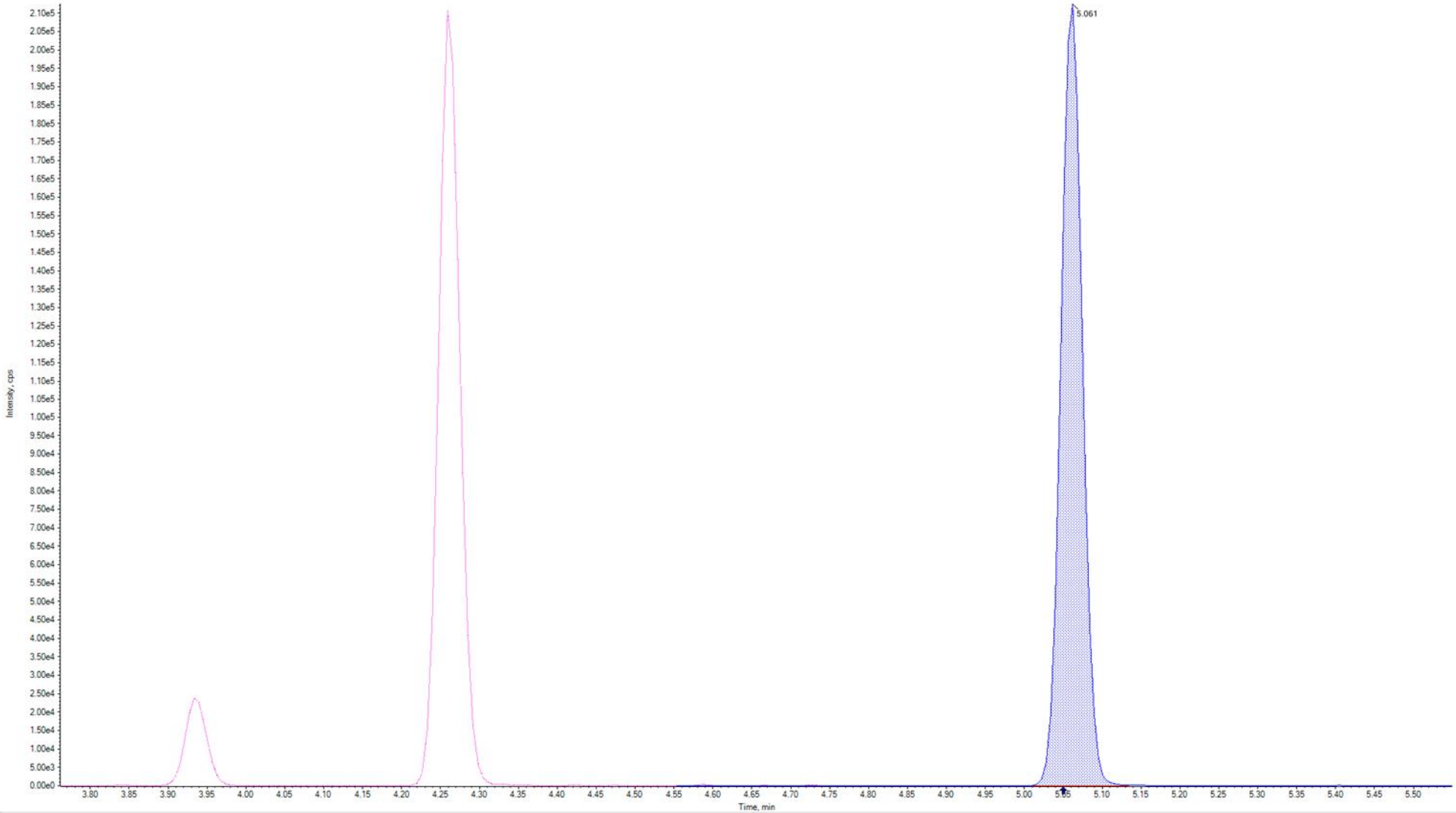
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDS_2
Sample: IA1633STD-12.5 S/N:5956.7 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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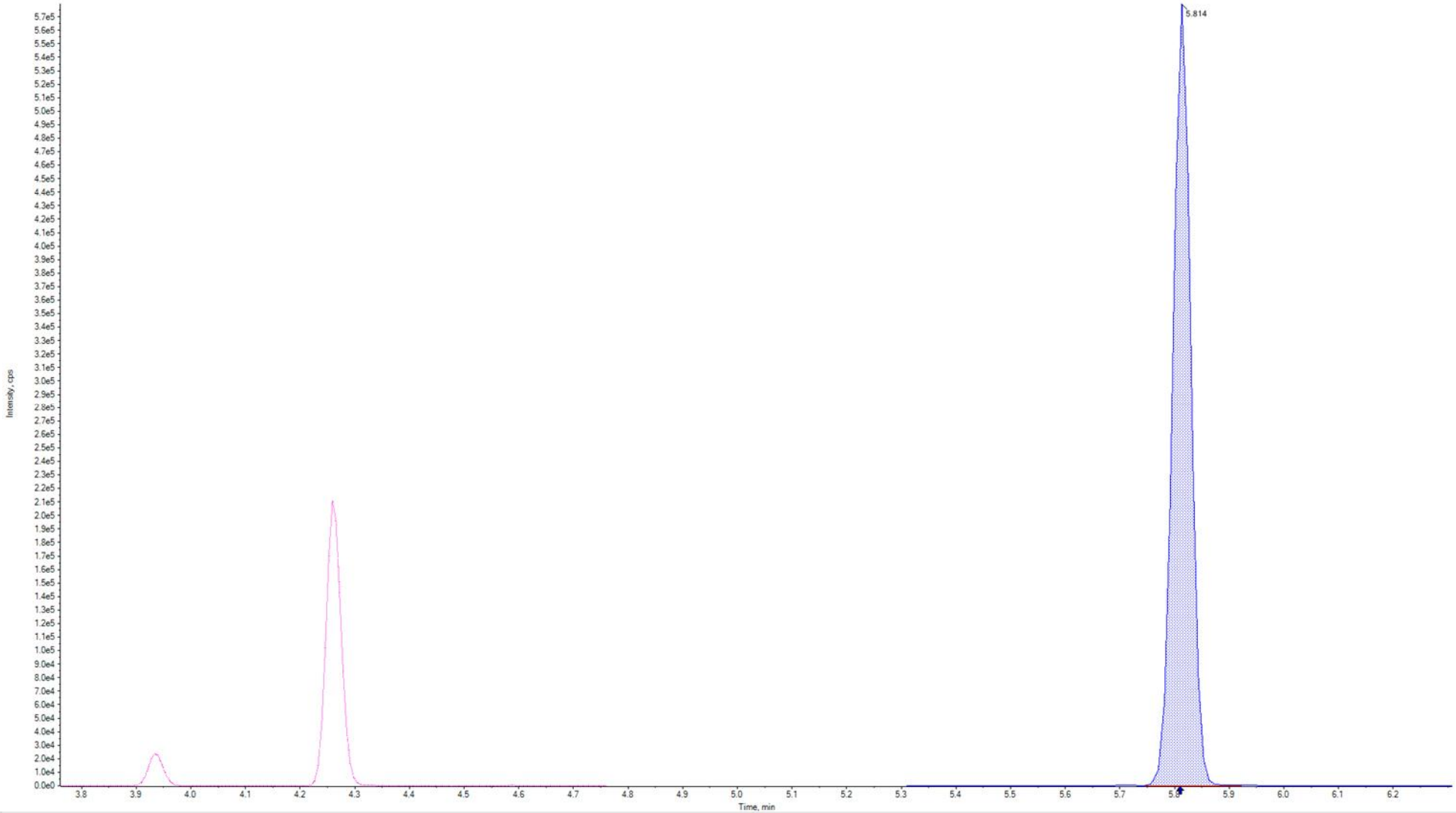
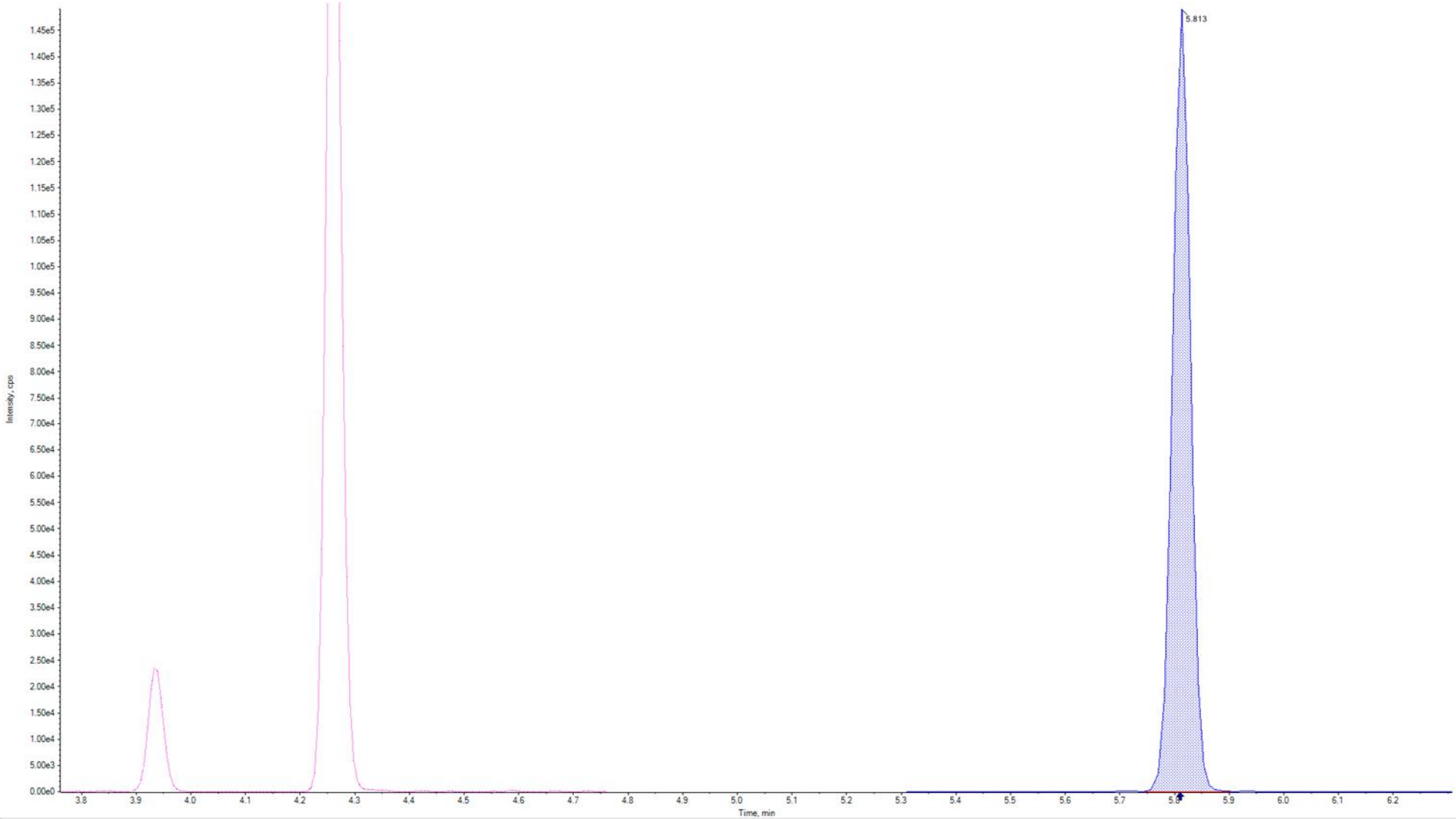
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDoS
Sample: IA1633STD-12.5 S/N:13326.9 Points Across peak:18

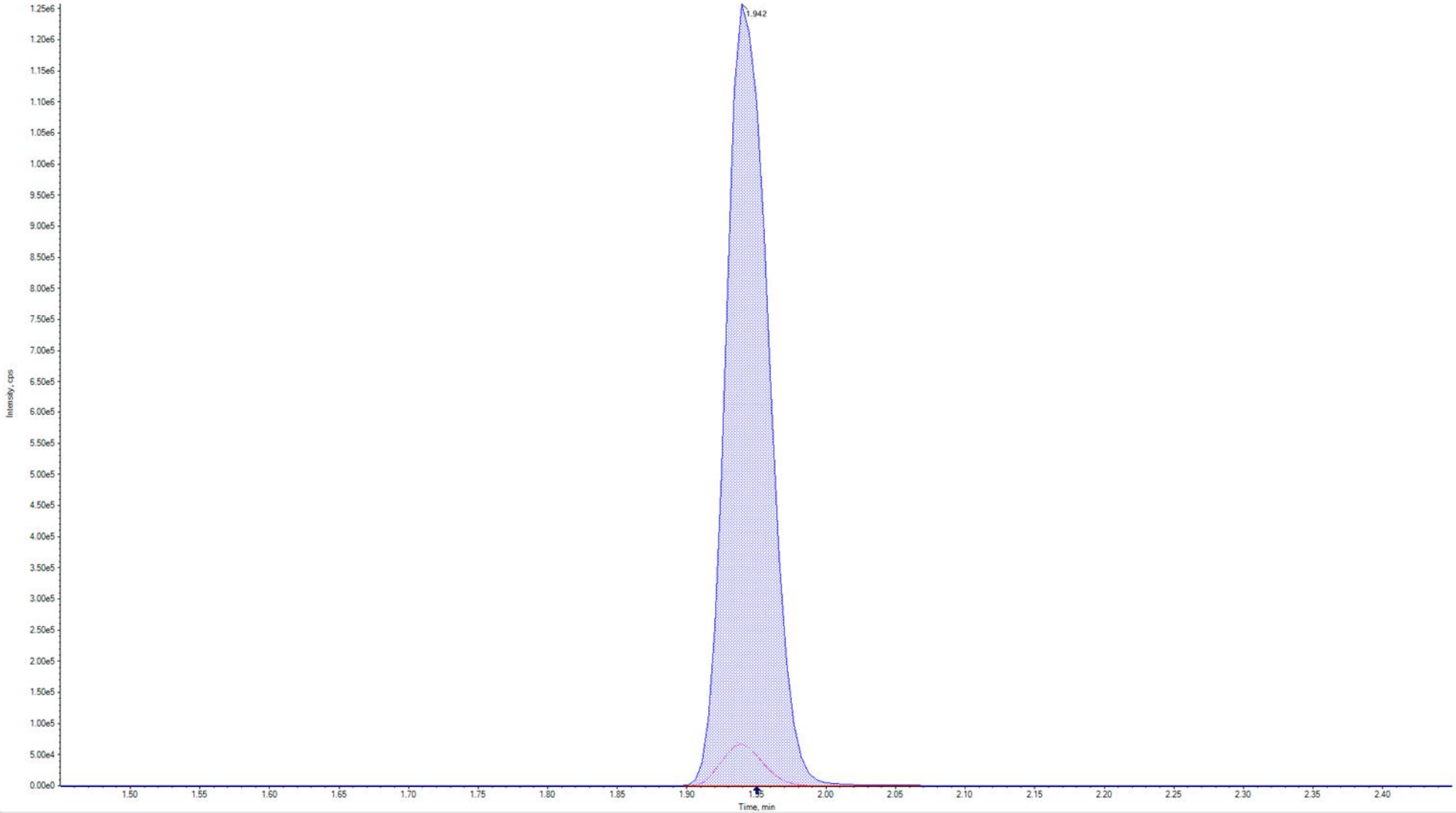


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

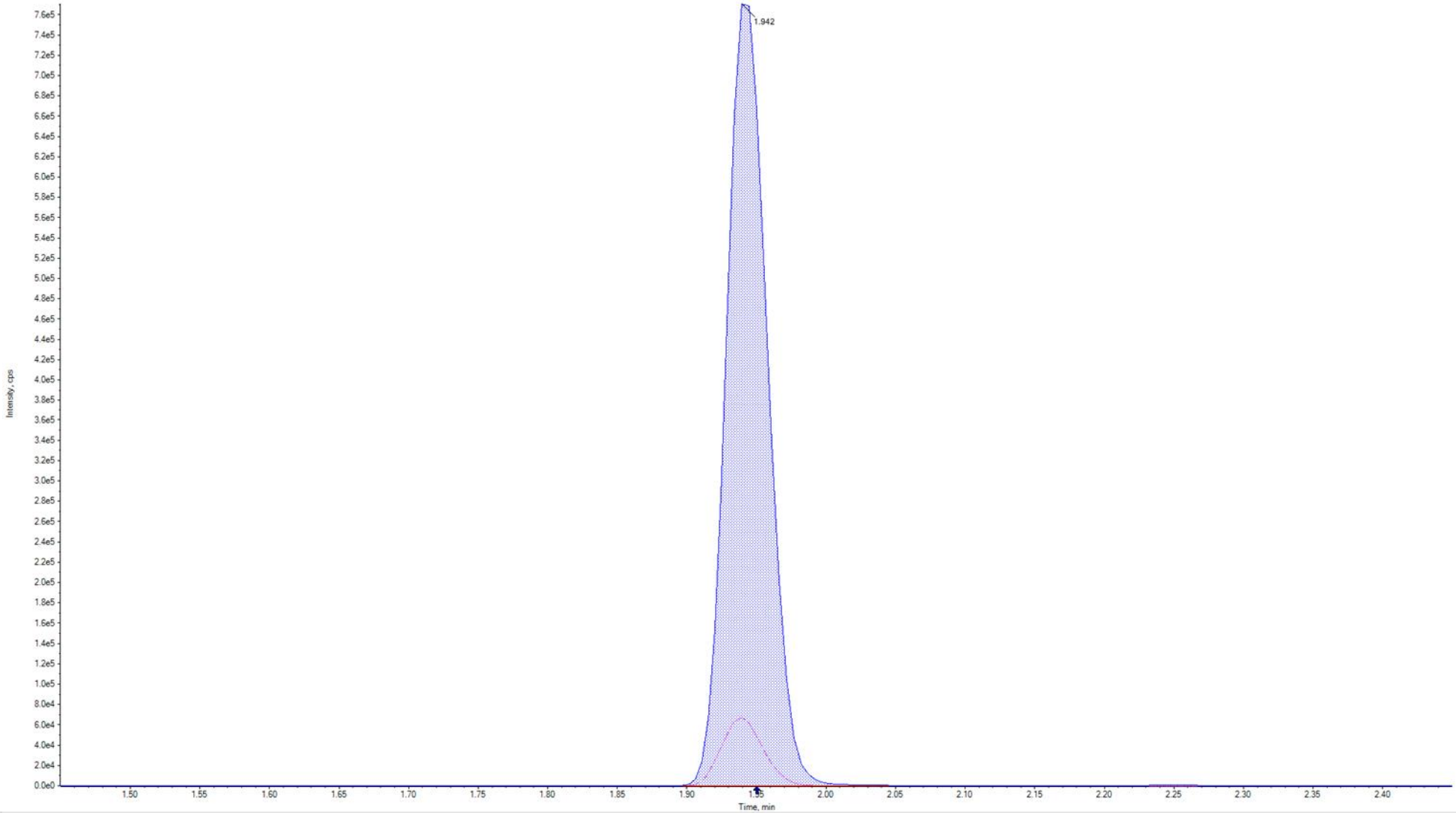
PFDoS_2
Sample: IA1633STD-12.5 S/N:3758.1 Points Across peak:17



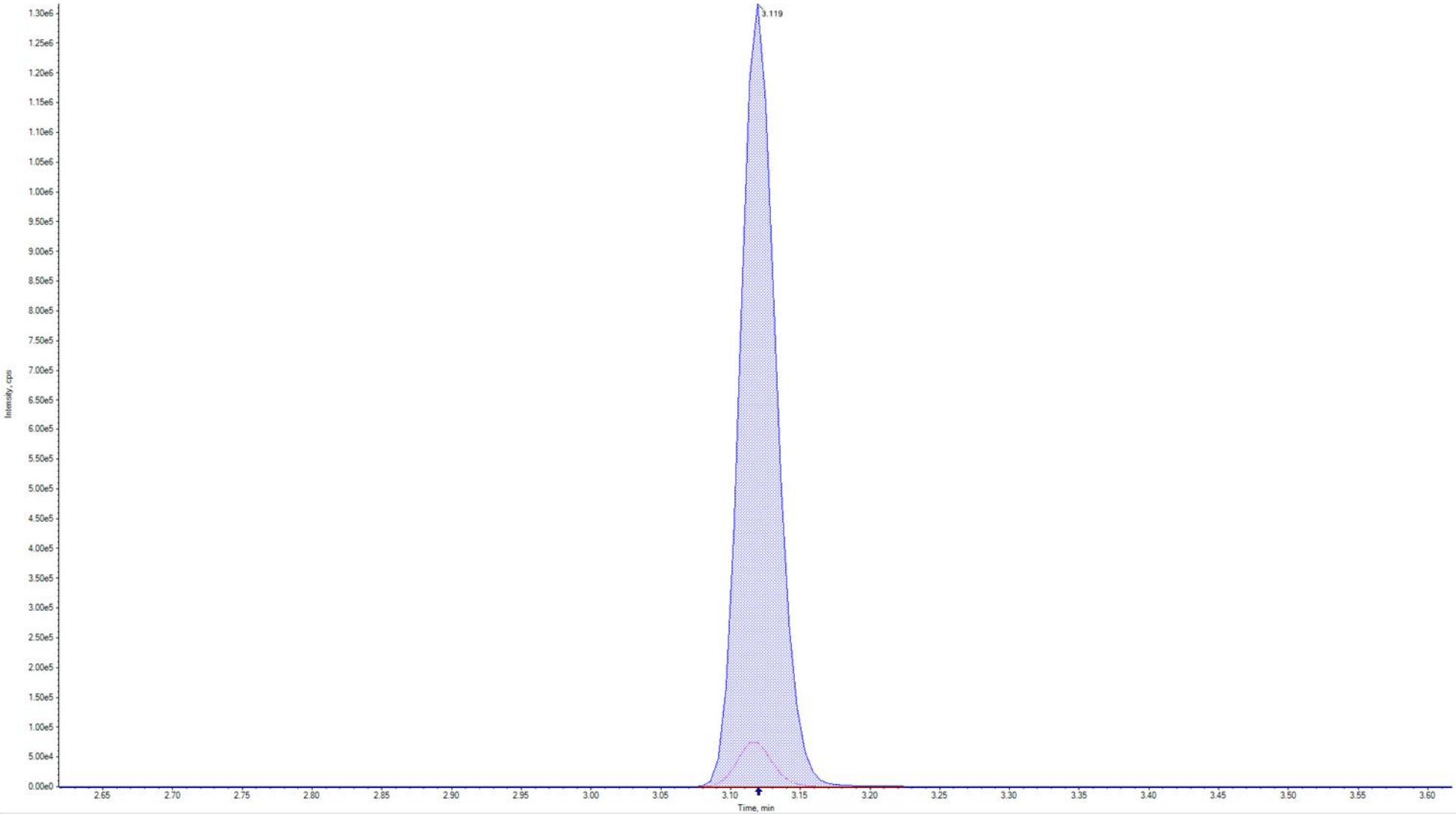
4:2FTS
Sample: IA1633STD-12.5 S/N:11550.1 Points Across peak:43



4:2FTS_2
Sample: IA1633STD-12.5 S/N:11389.8 Points Across peak:38

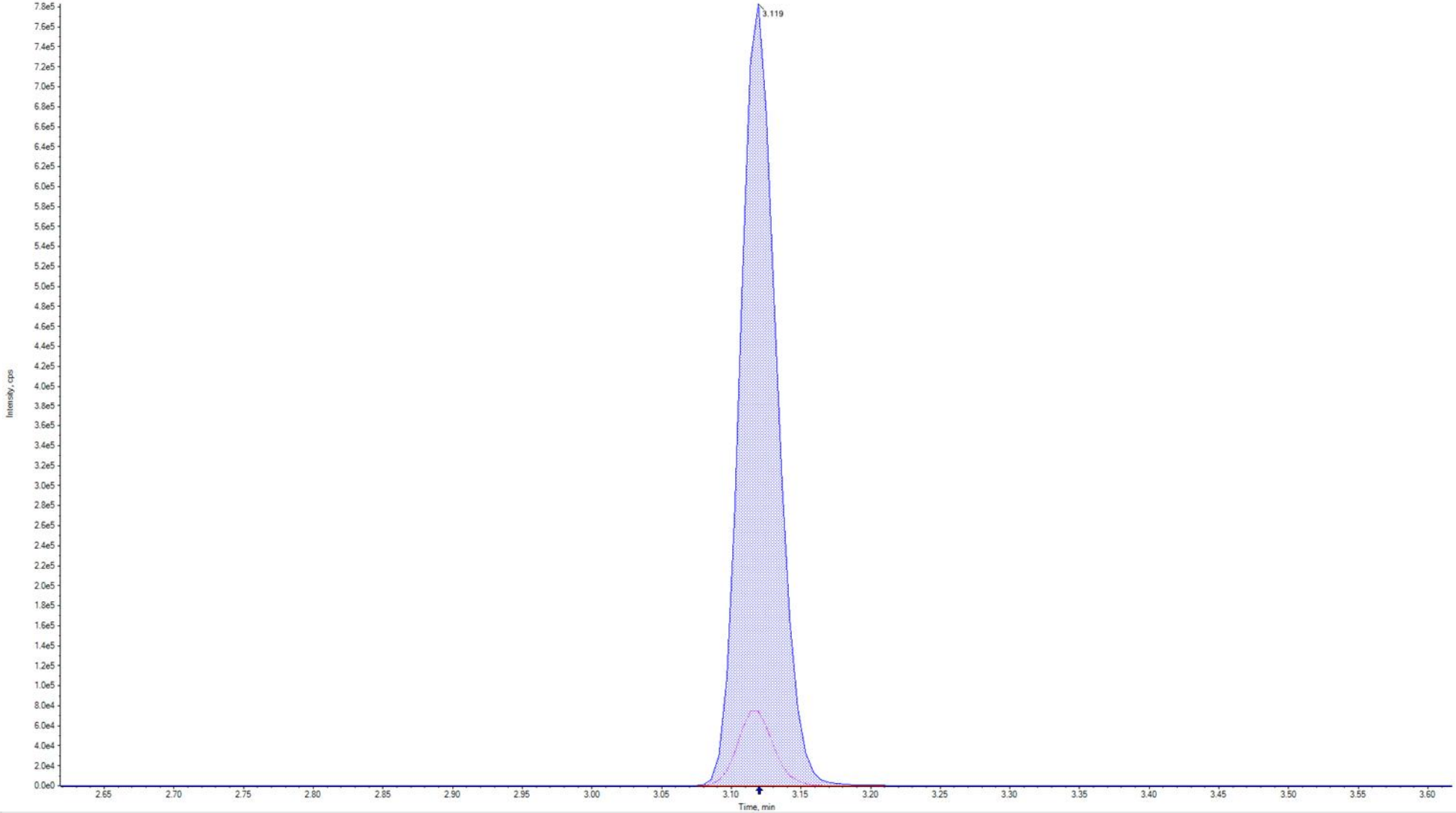


6:2FTS
Sample: IA1633STD-12.5 S/N:14352.7 Points Across peak:34

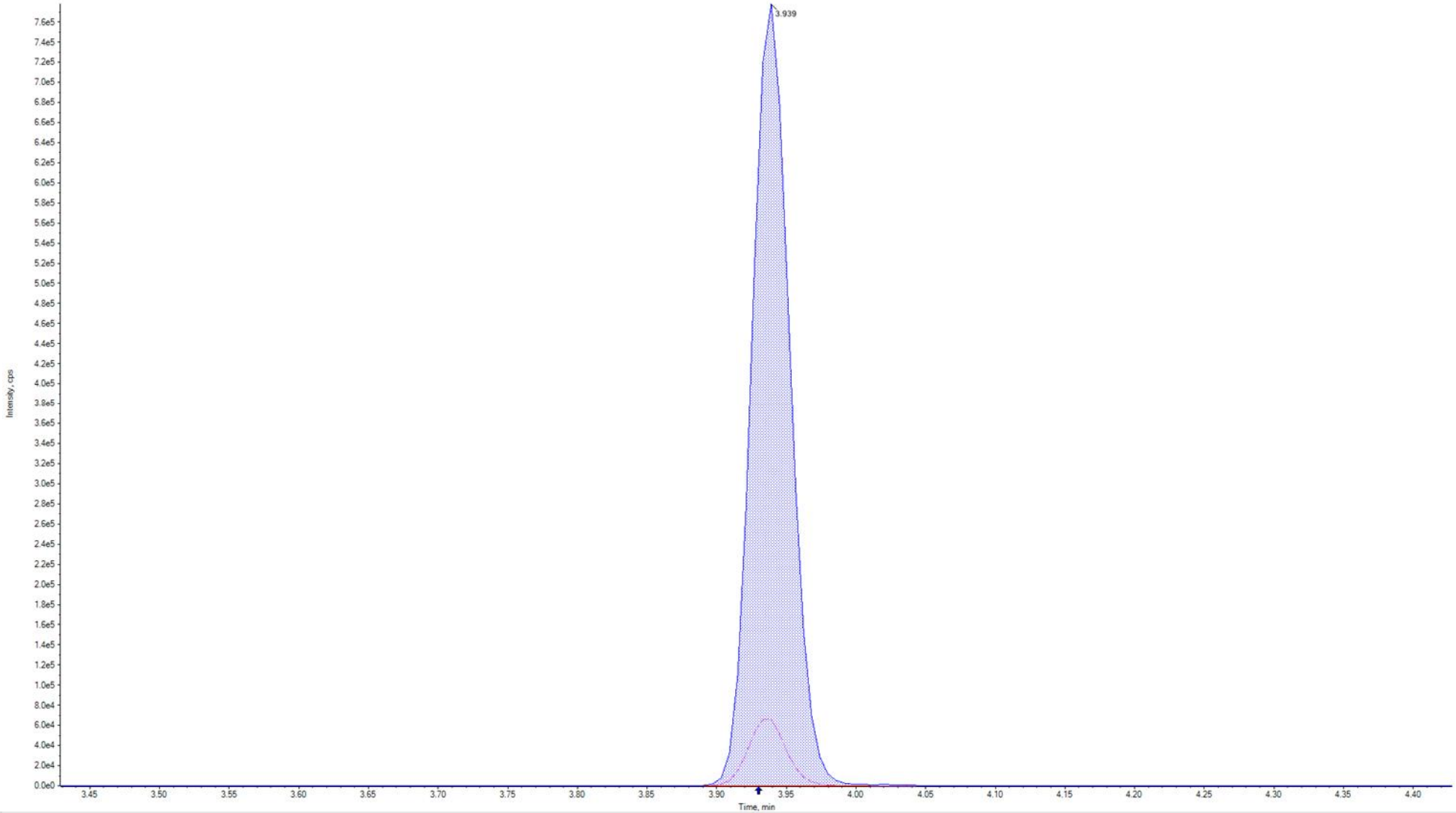


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

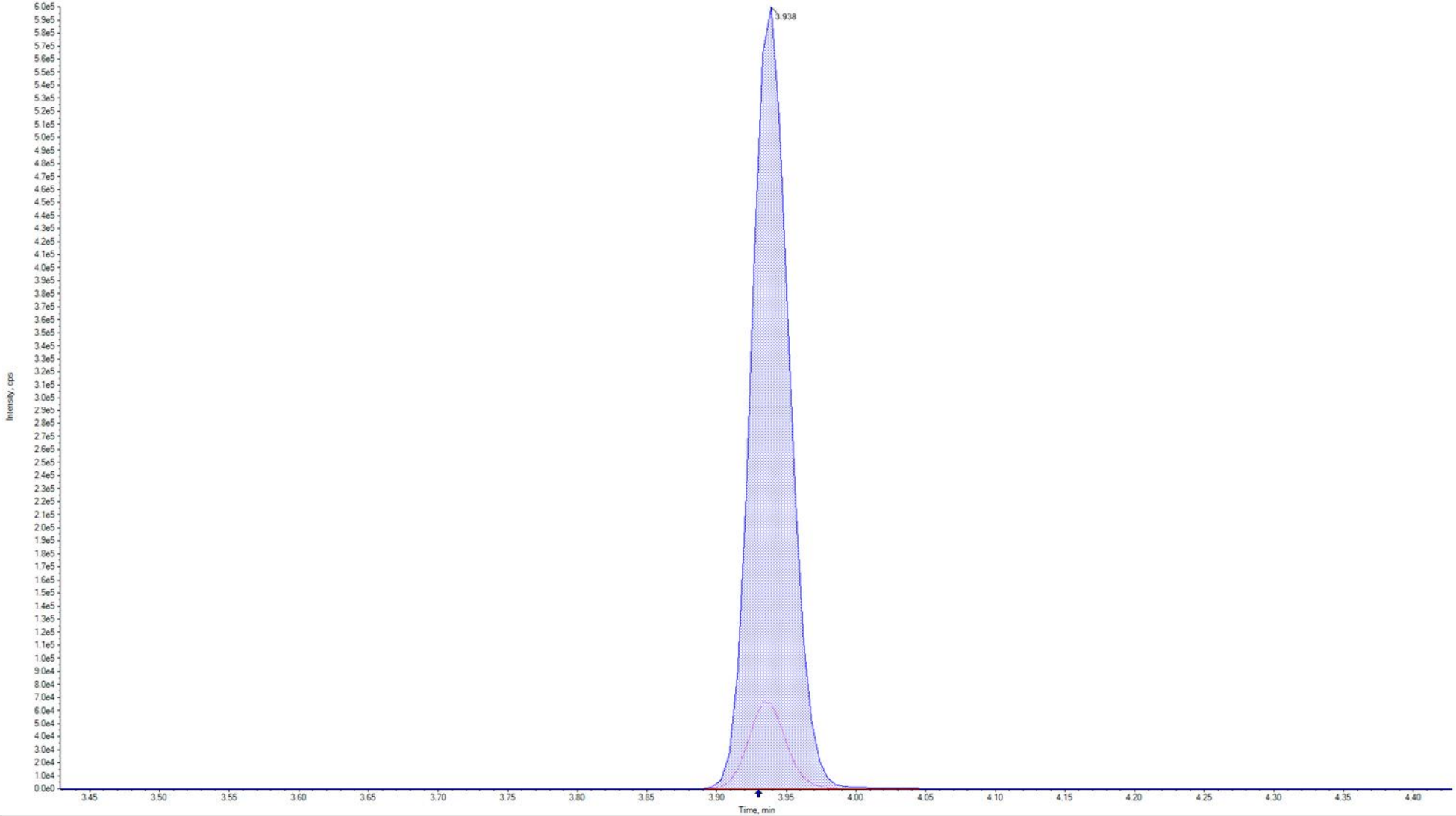
6:2FTS_2
Sample: IA1633STD-12.5 S/N:7563.9 Points Across peak:32



8:2FTS
Sample: IA1633STD-12.5 S/N:15214.0 Points Across peak:26

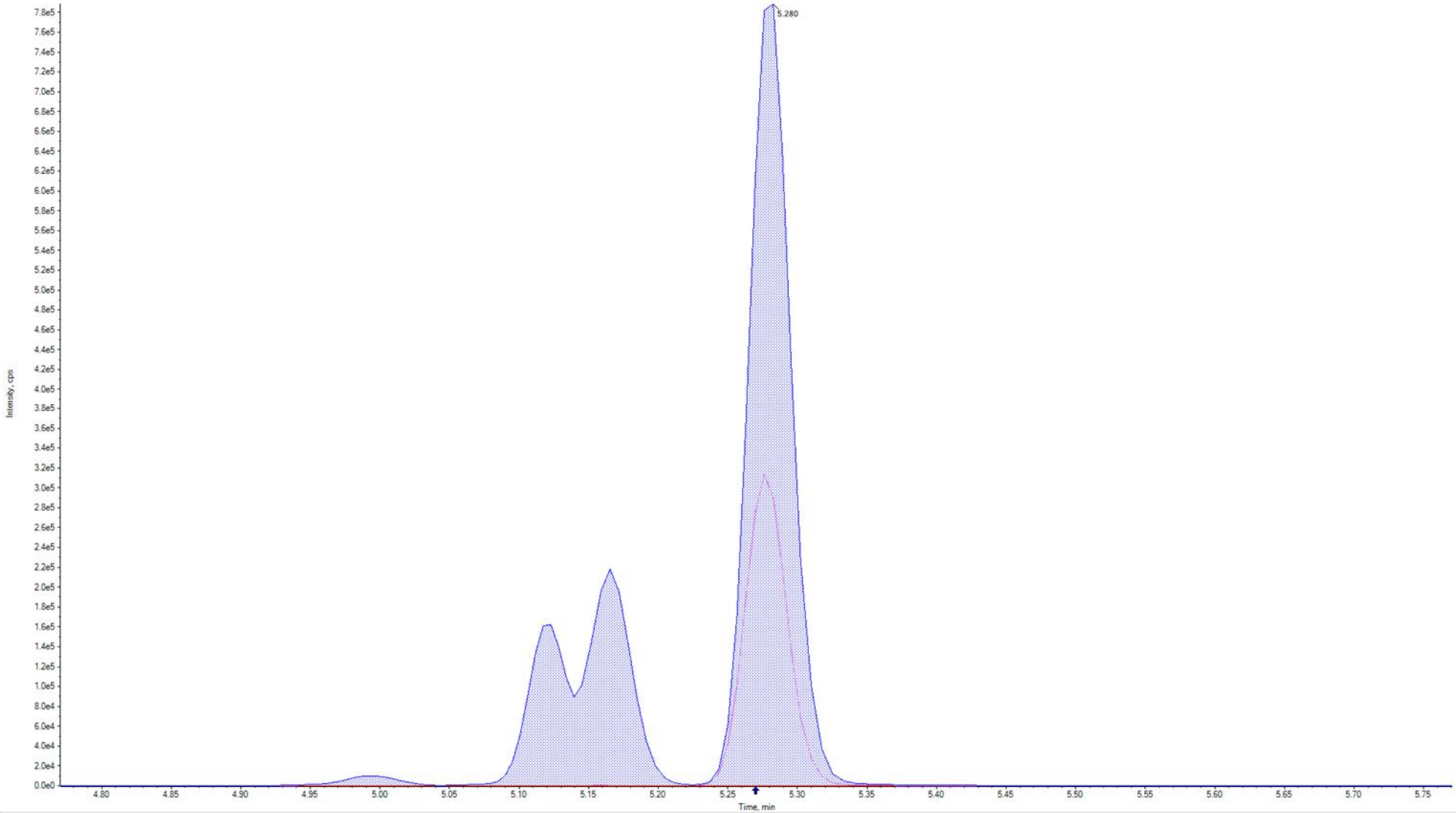


8:2FTS_2
Sample: IA1633STD-12.5 S/N:7913.8 Points Across peak:33



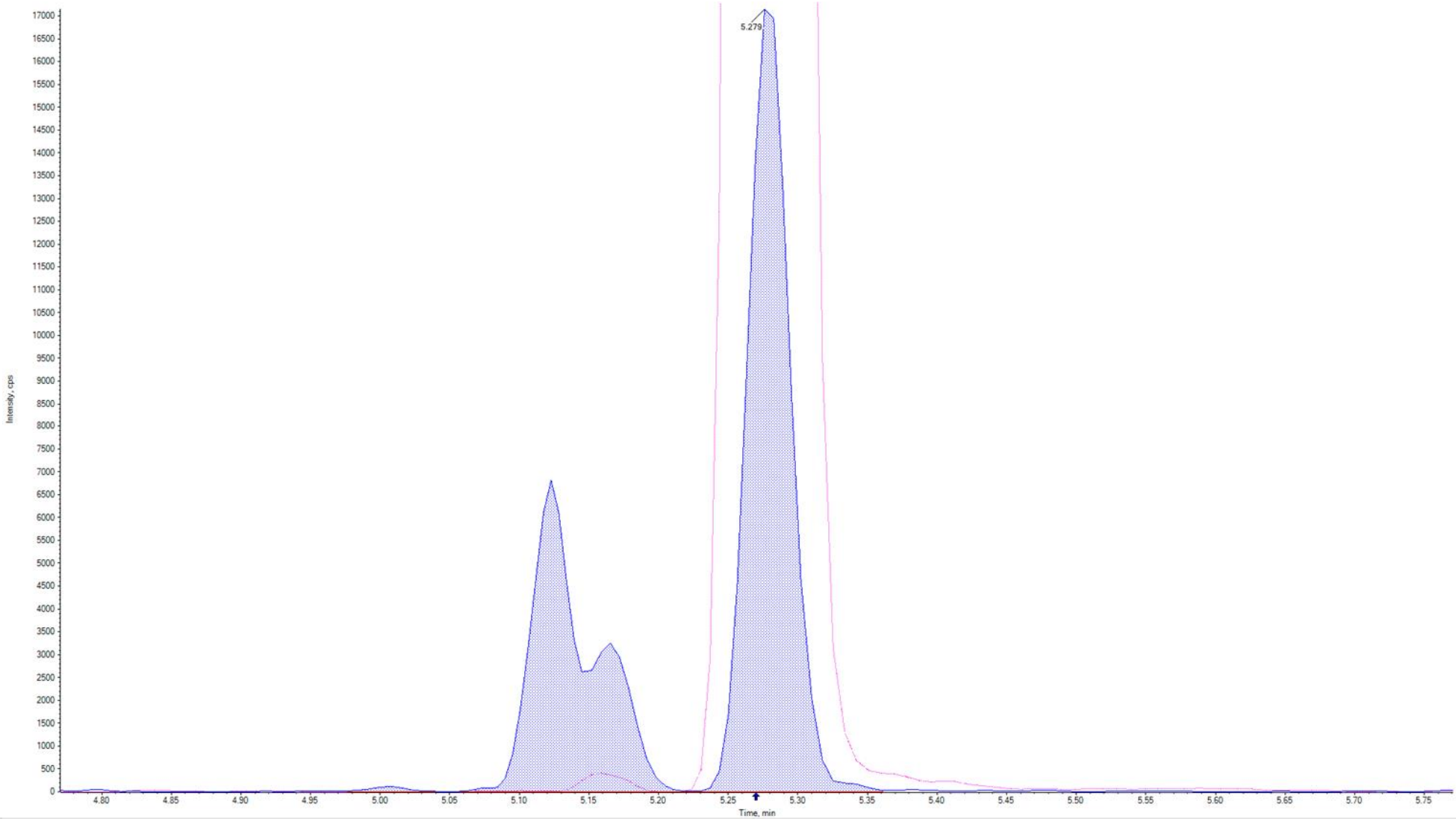
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOSA
Sample: IA1633STD-12.5 S/N:286.5 Points Across peak:69



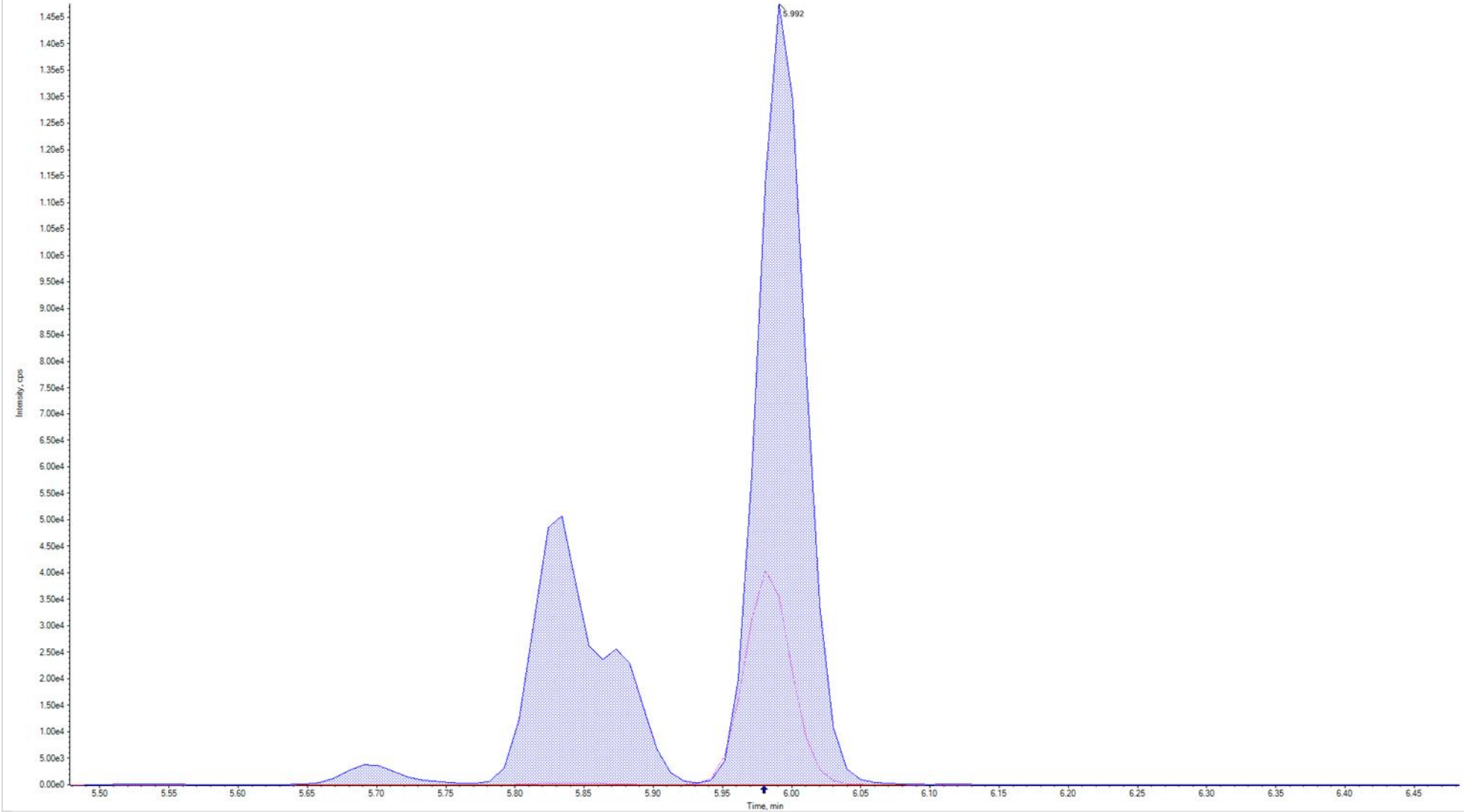
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOSA_2
Sample: IA1633STD-12.5 S/N:297.8 Points Across peak:63



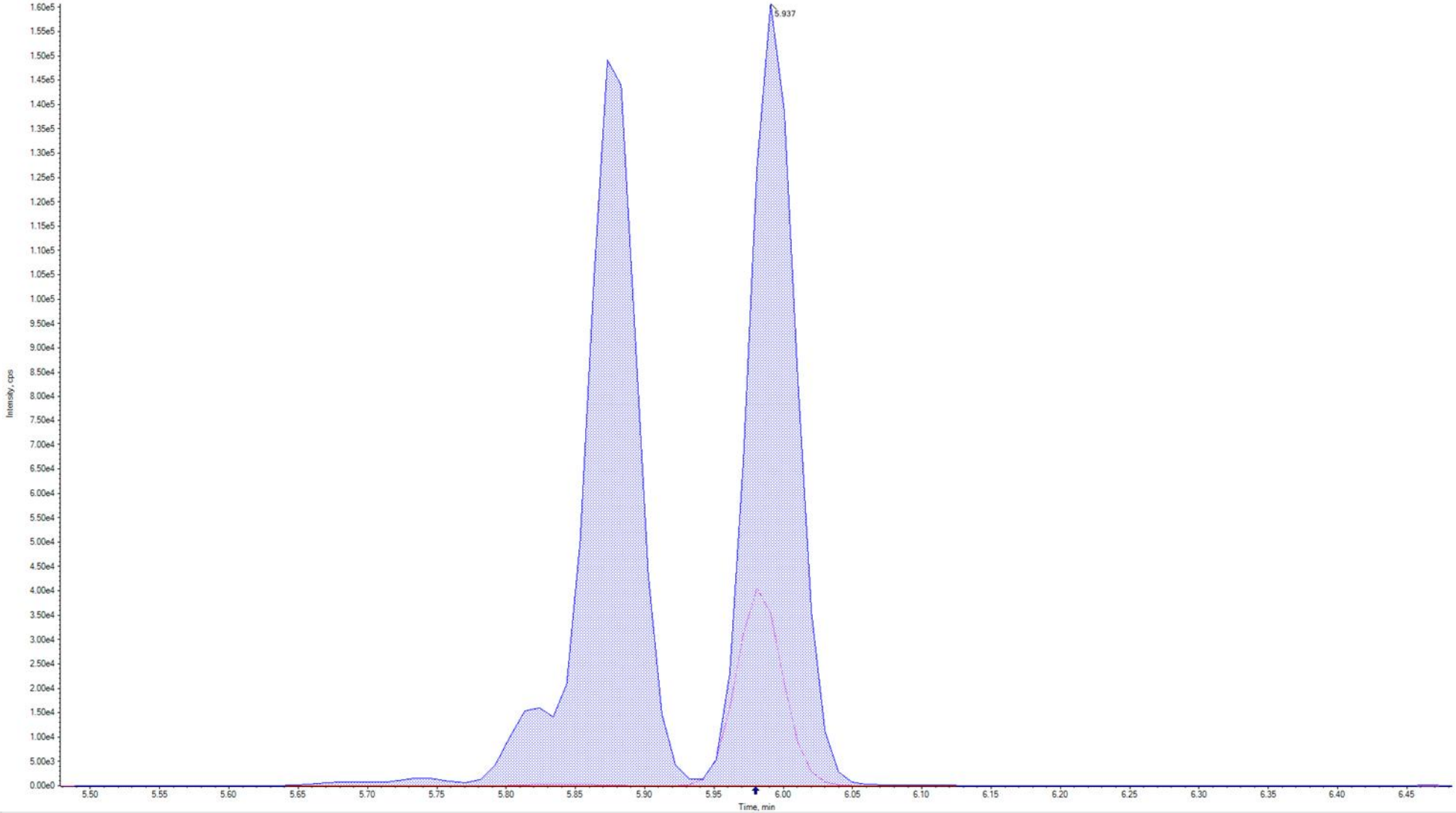
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSA
Sample: IA1633STD-12.5 S/N:280.3 Points Across peak:45



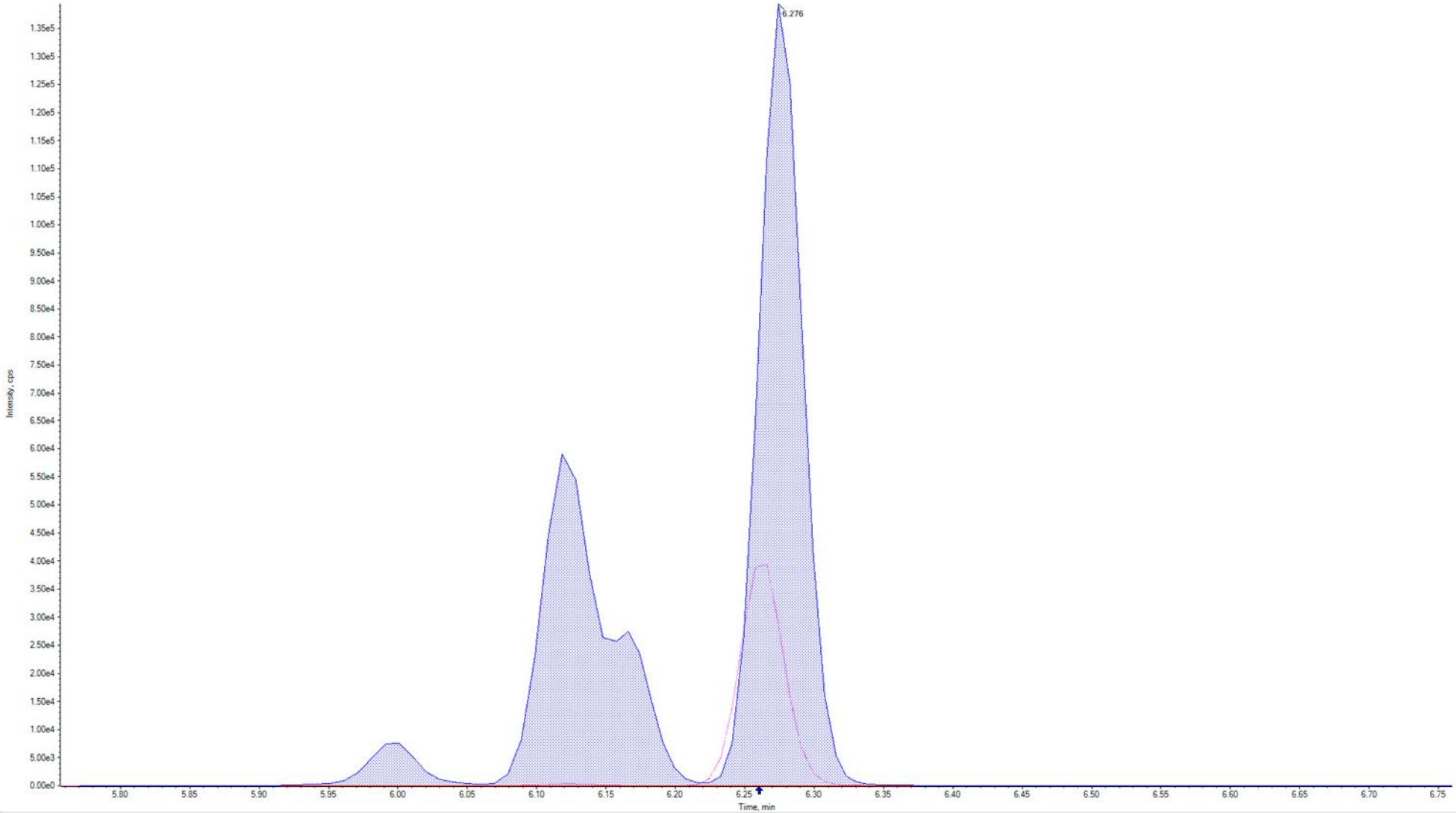
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSA_2
Sample: IA1633STD-12.5 S/N:279.2 Points Across peak:52



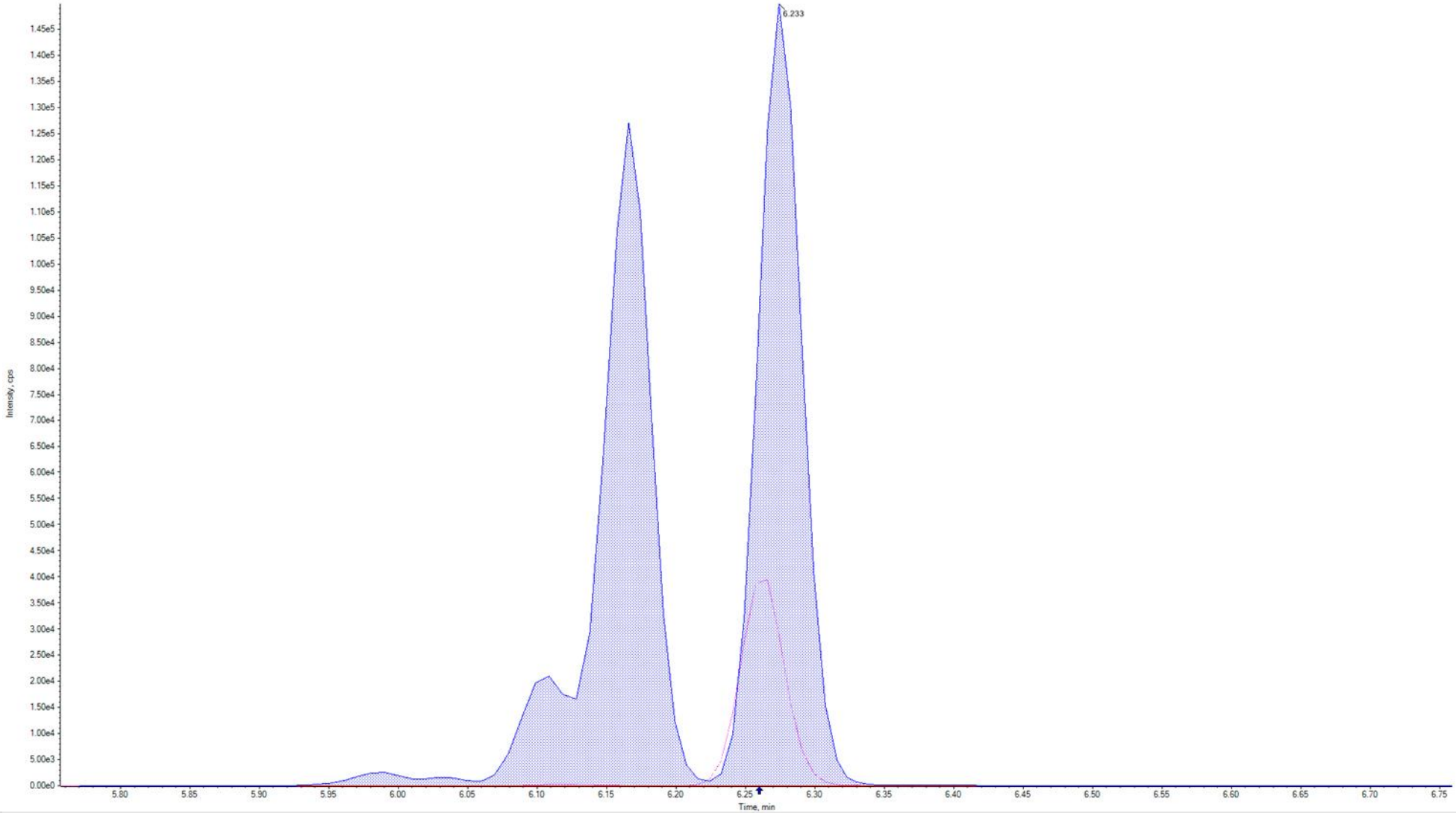
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSA
Sample: IA1633STD-12.5 S/N:1130.1 Points Across peak:57



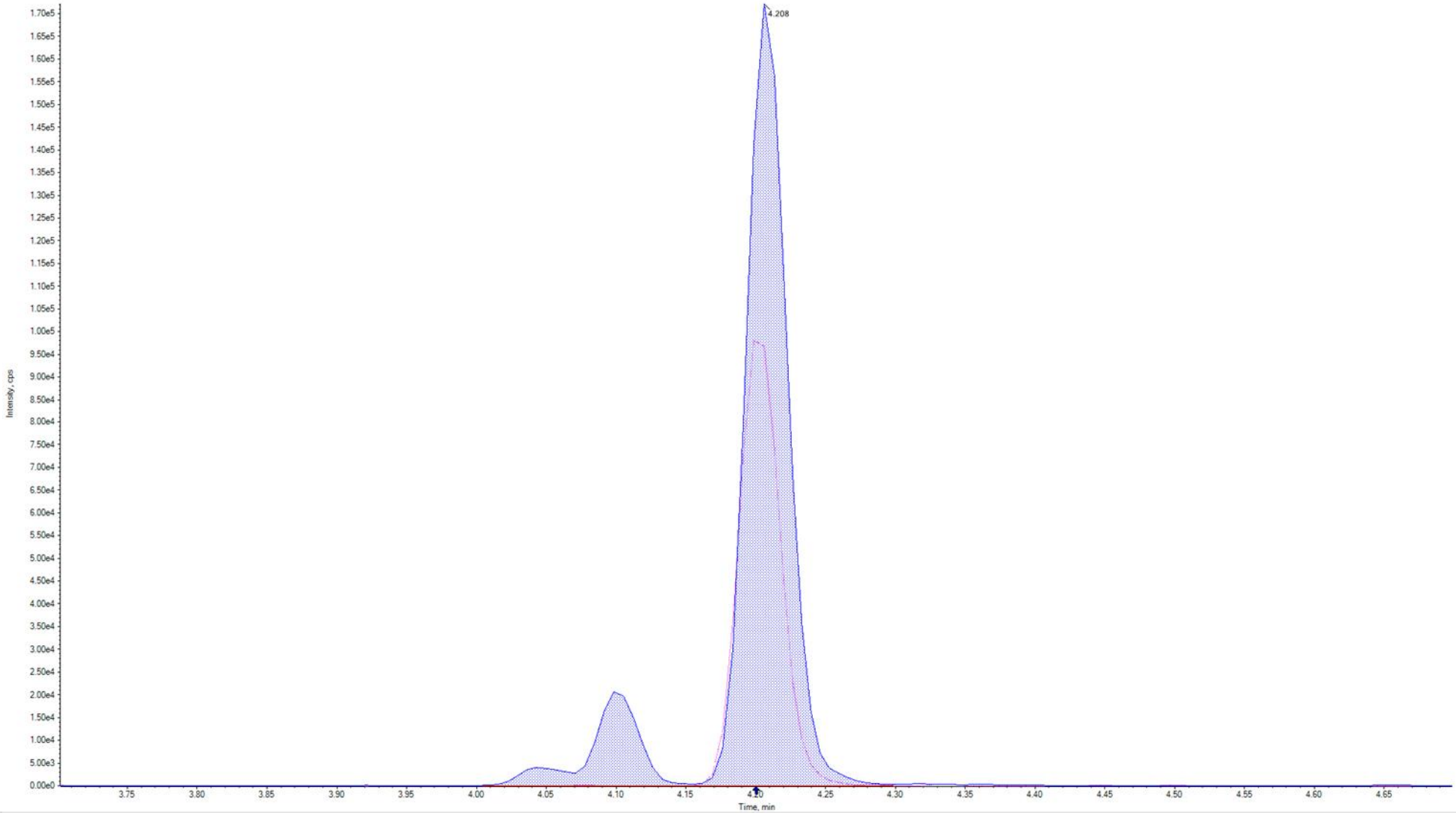
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSA_2
Sample: IA1633STD-12.5 S/N:1085.9 Points Across peak:64



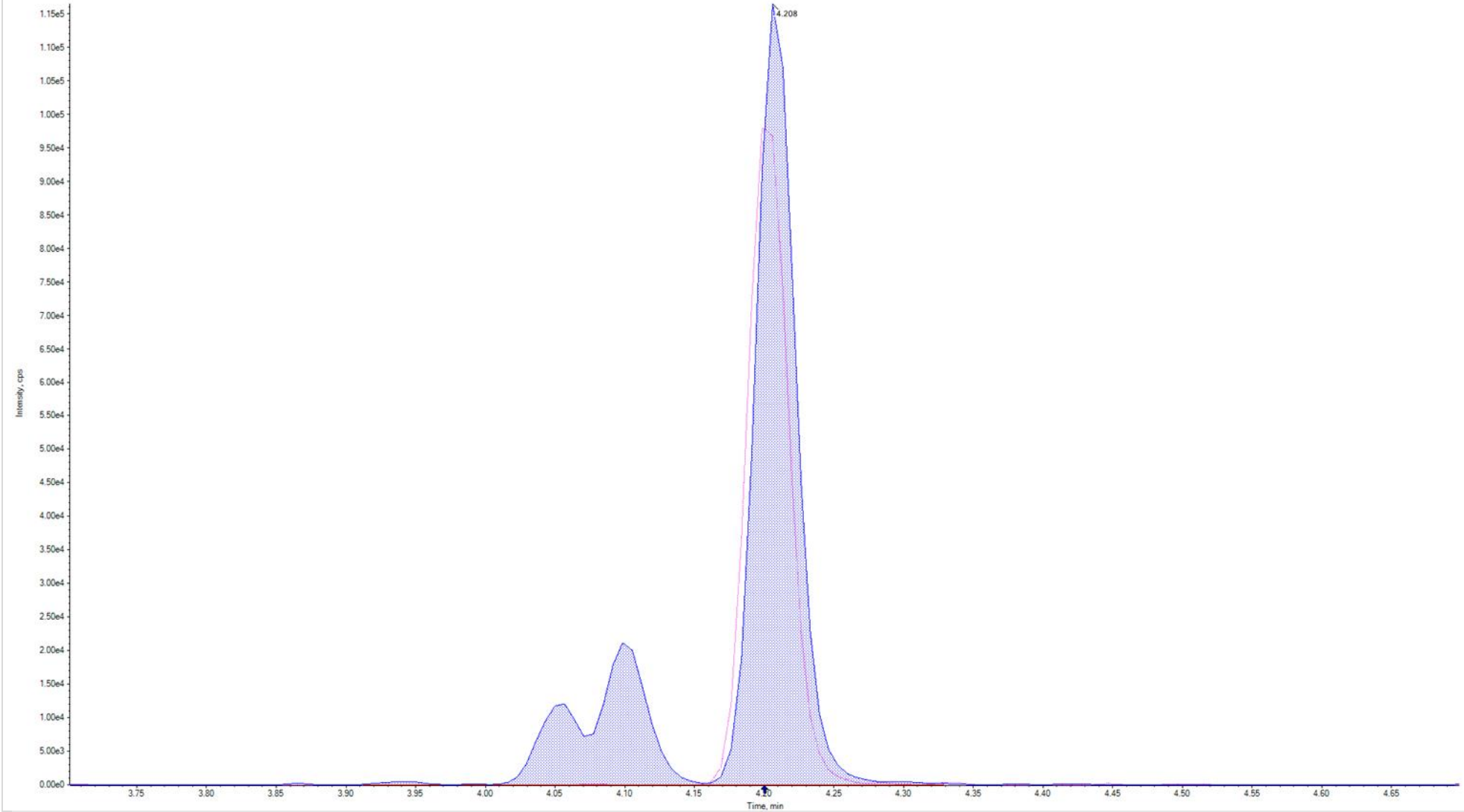
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSAA
Sample: IA1633STD-12.5 S/N:571.1 Points Across peak:48



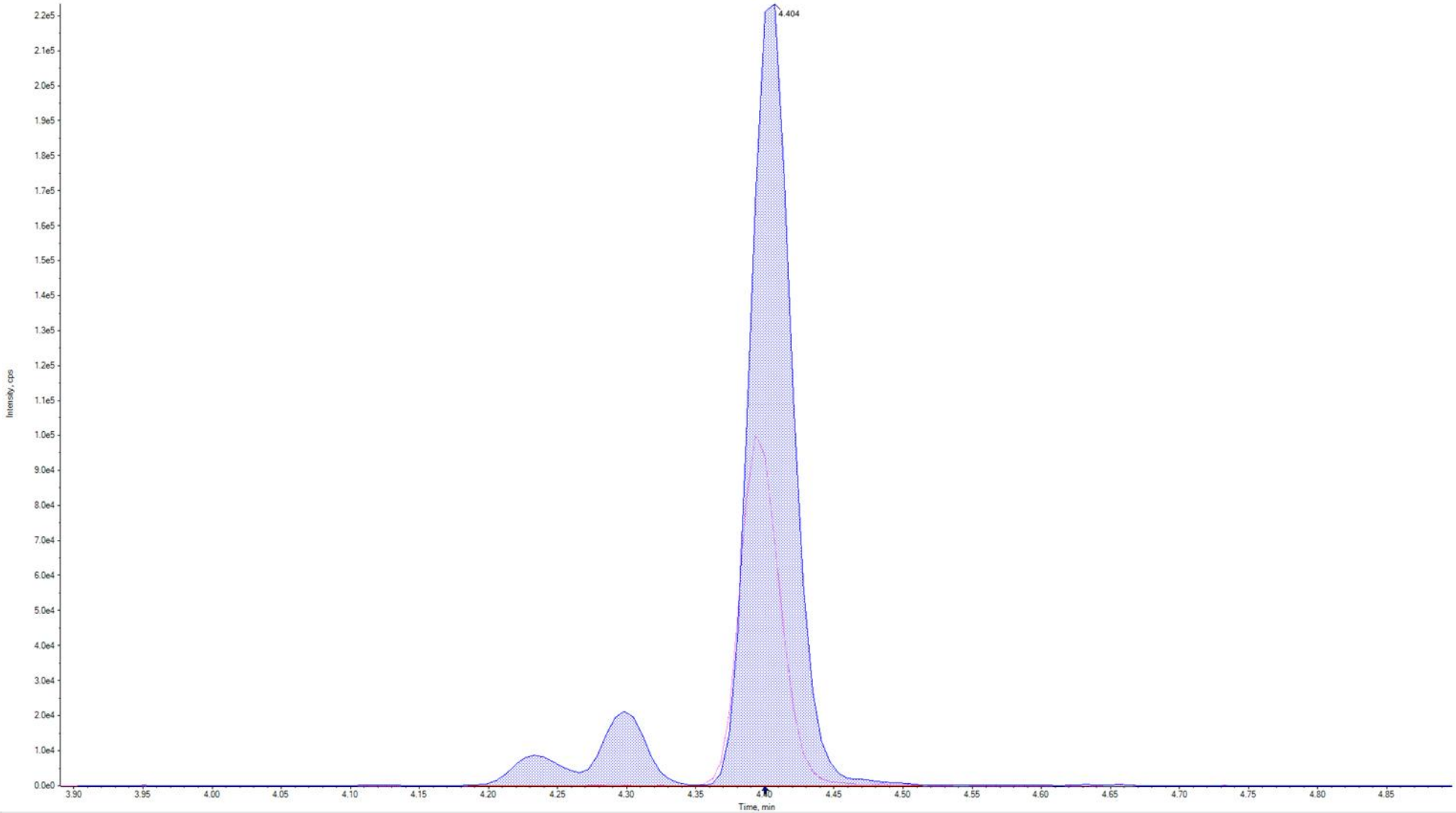
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSAA_2
Sample: IA1633STD-12.5 S/N:510.3 Points Across peak:65



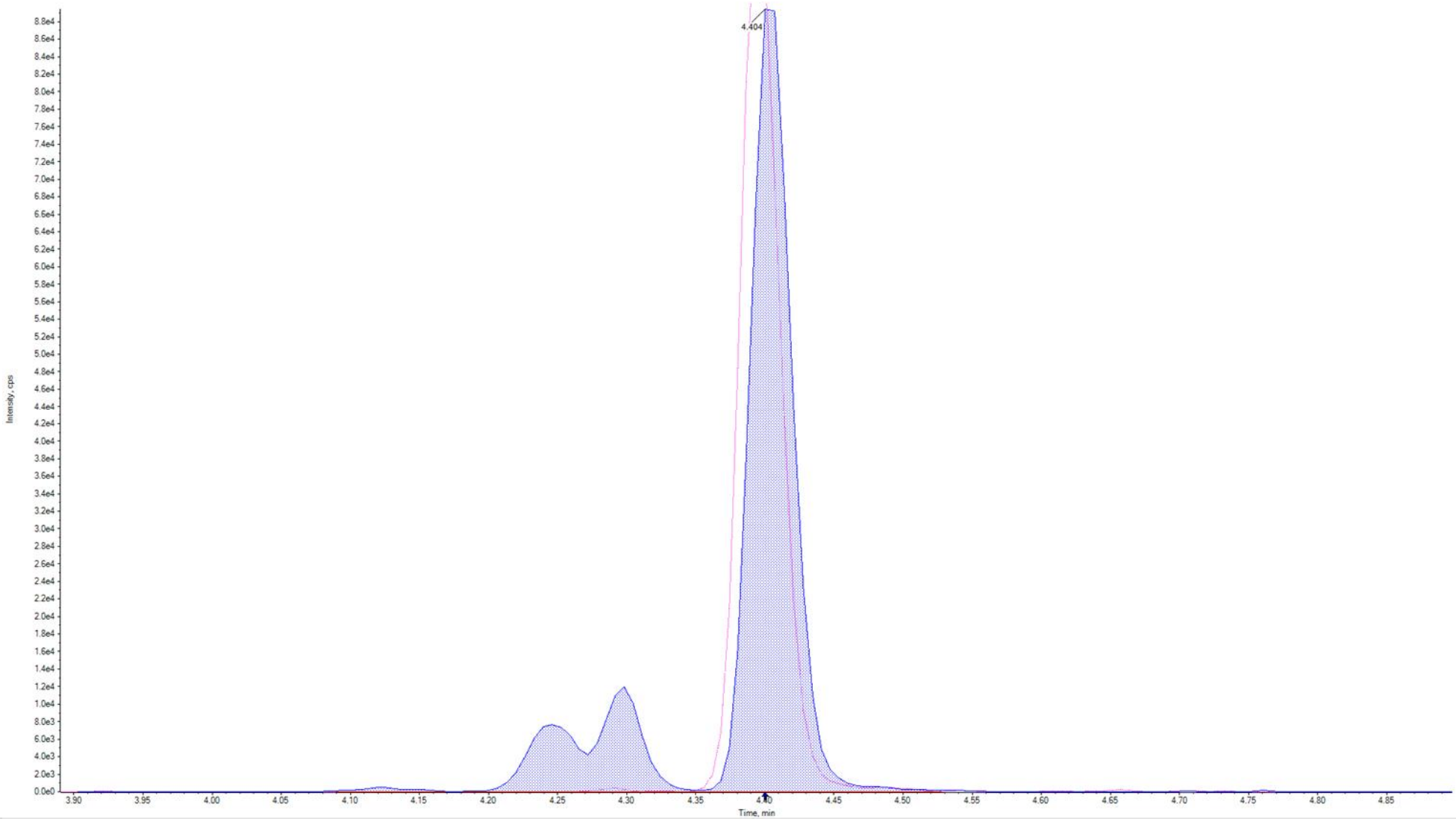
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSAA
Sample: IA1633STD-12.5 S/N:880.4 Points Across peak:52

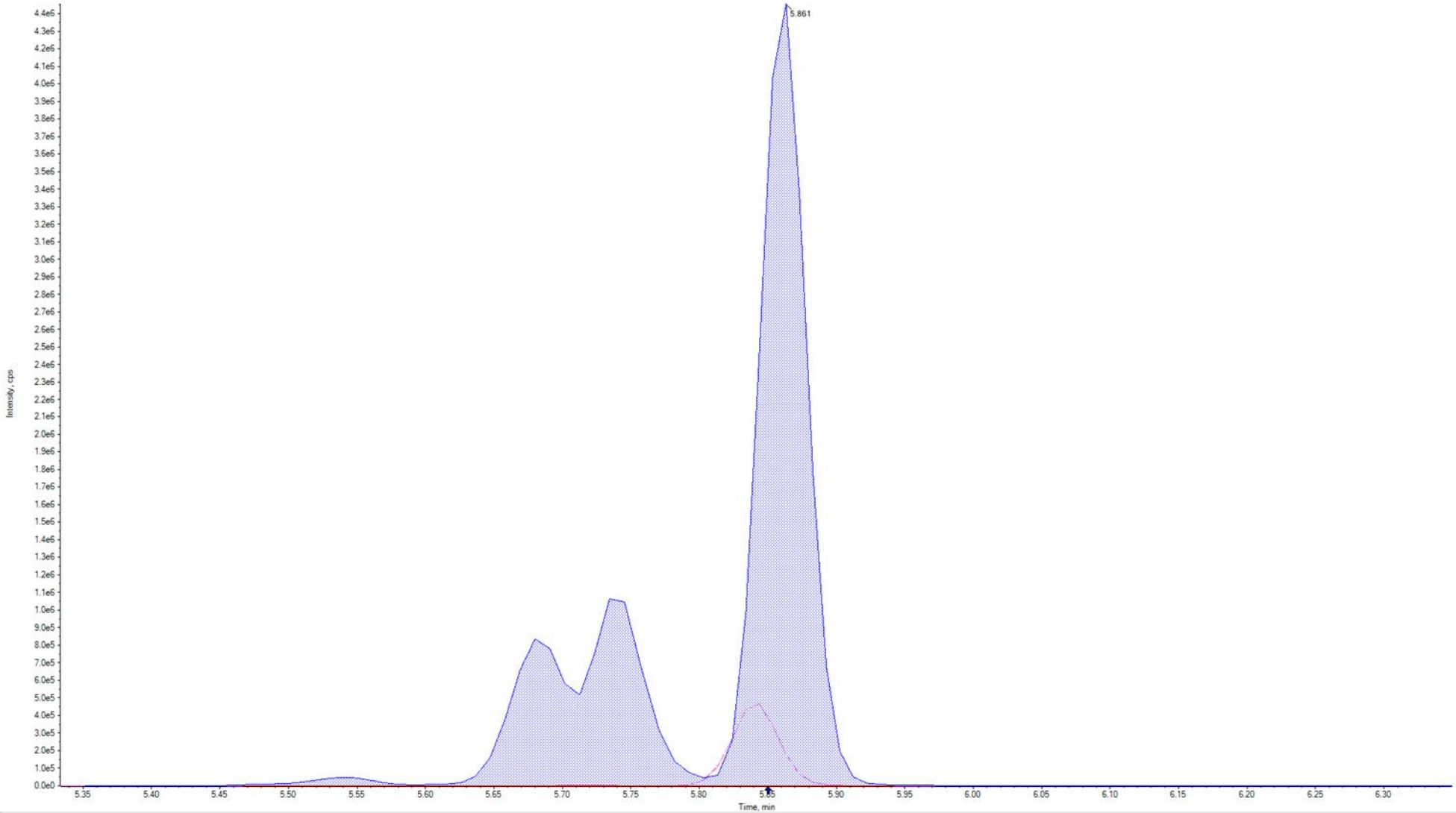


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSAA_2
Sample: IA1633STD-12.5 S/N:577.7 Points Across peak:68

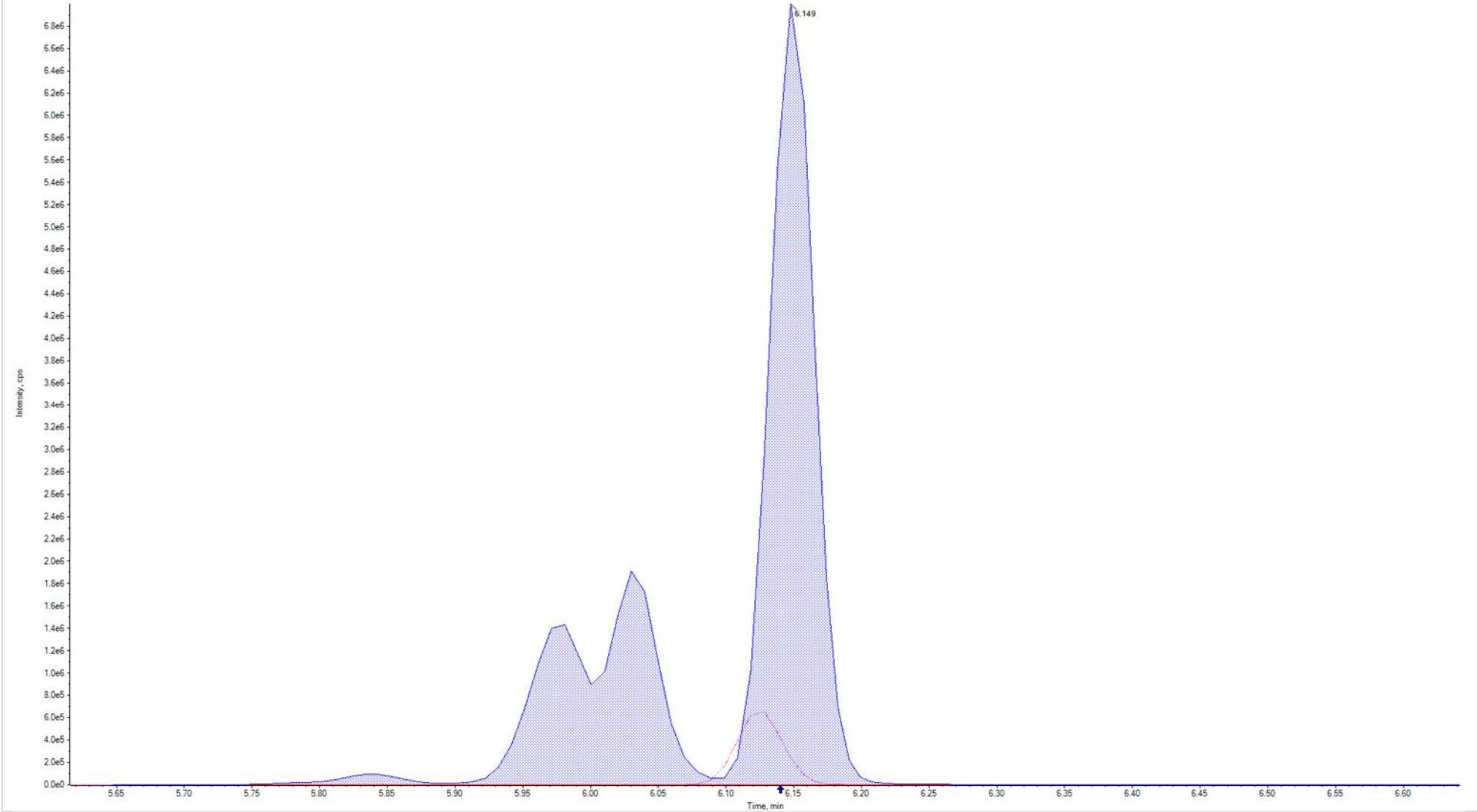


NMeFOSE
Sample: IA1633STD-12.5 S/N:245.9 Points Across peak:49

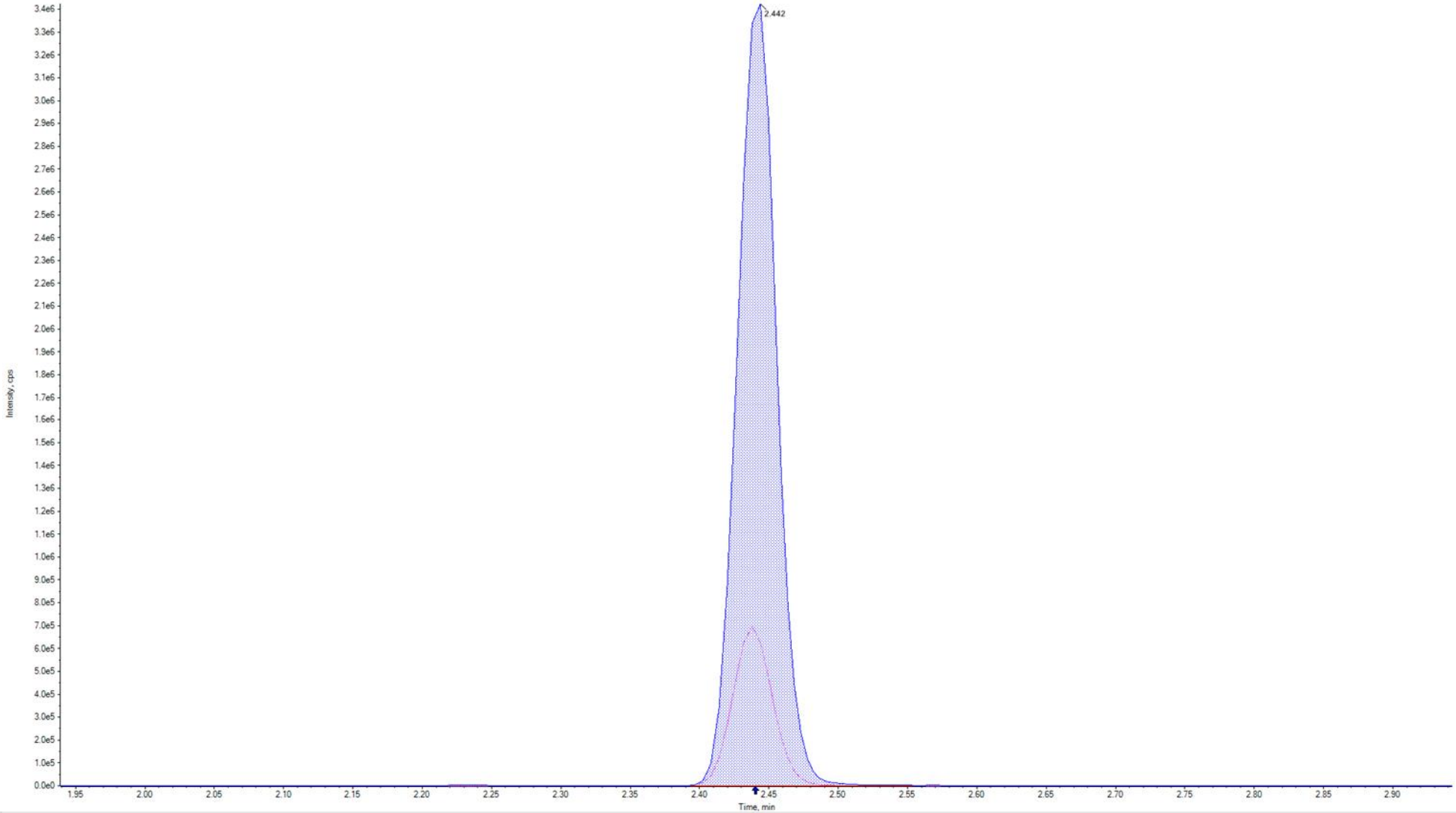


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSE
Sample: IA1633STD-12.5 S/N:450.5 Points Across peak:68

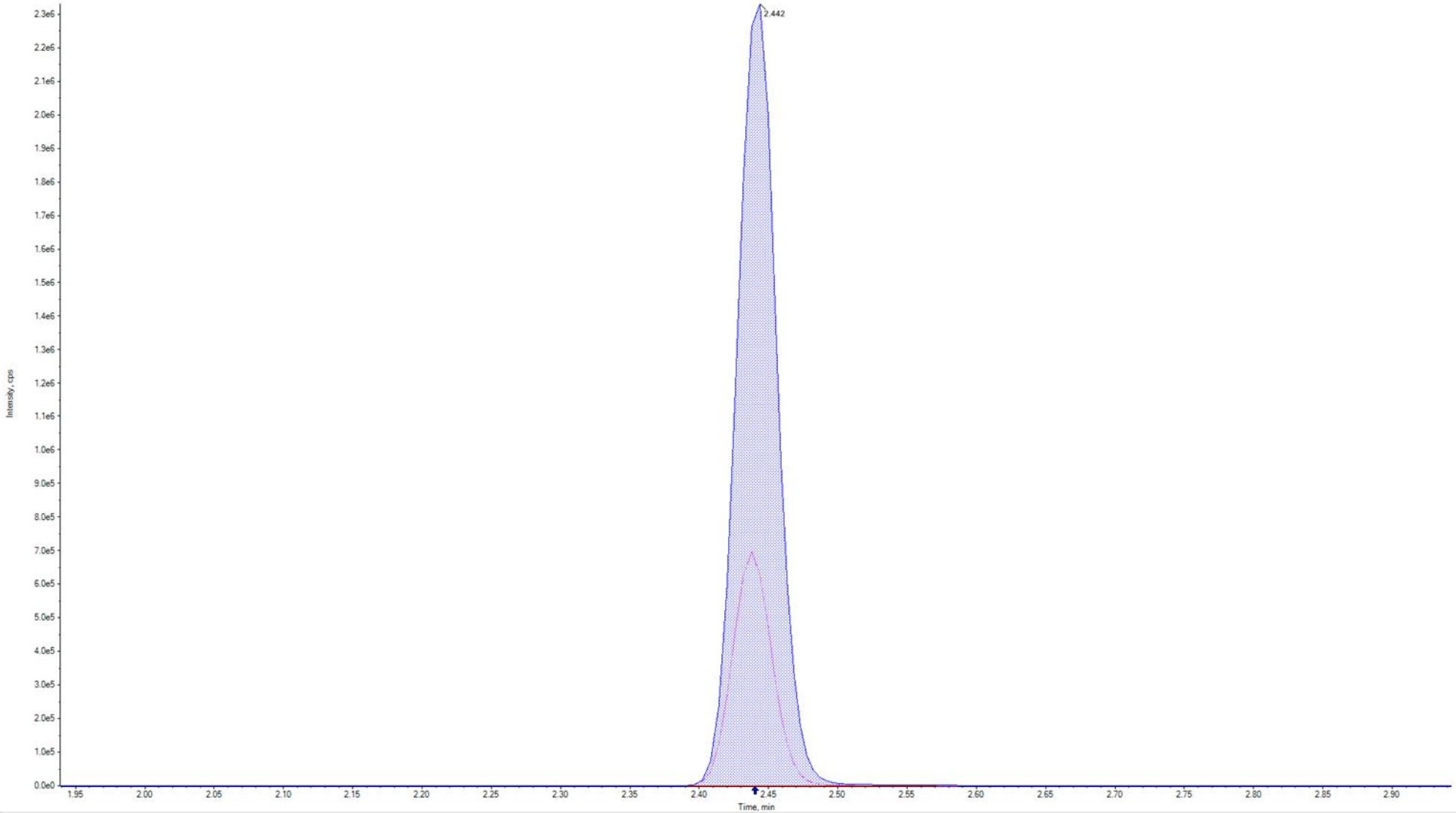


HFPO-DA
Sample: IA1633STD-12.5 S/N:8608.1 Points Across peak:38



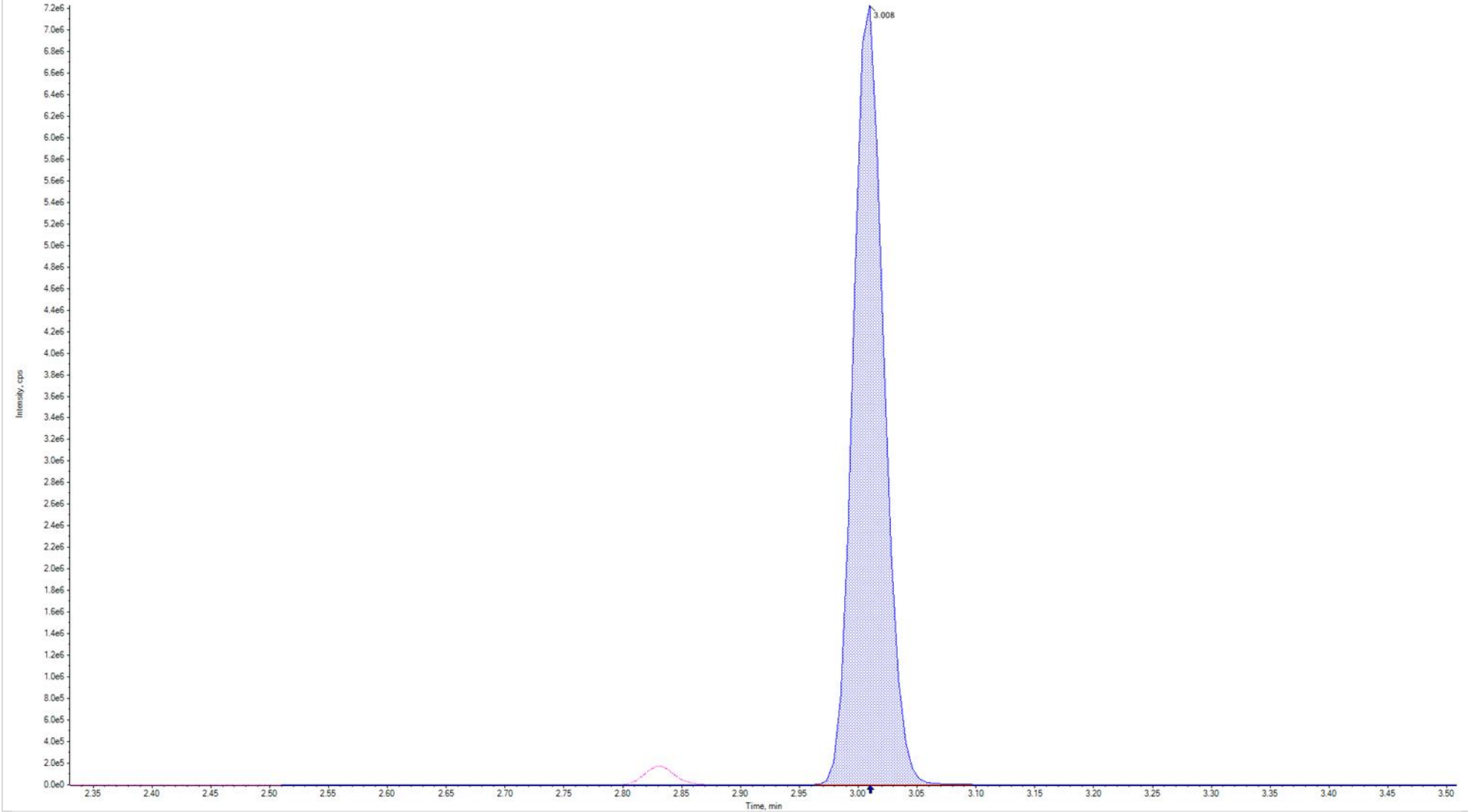
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

HFPO-DA_2
Sample: IA1633STD-12.5 S/N:52574.9 Points Across peak:39



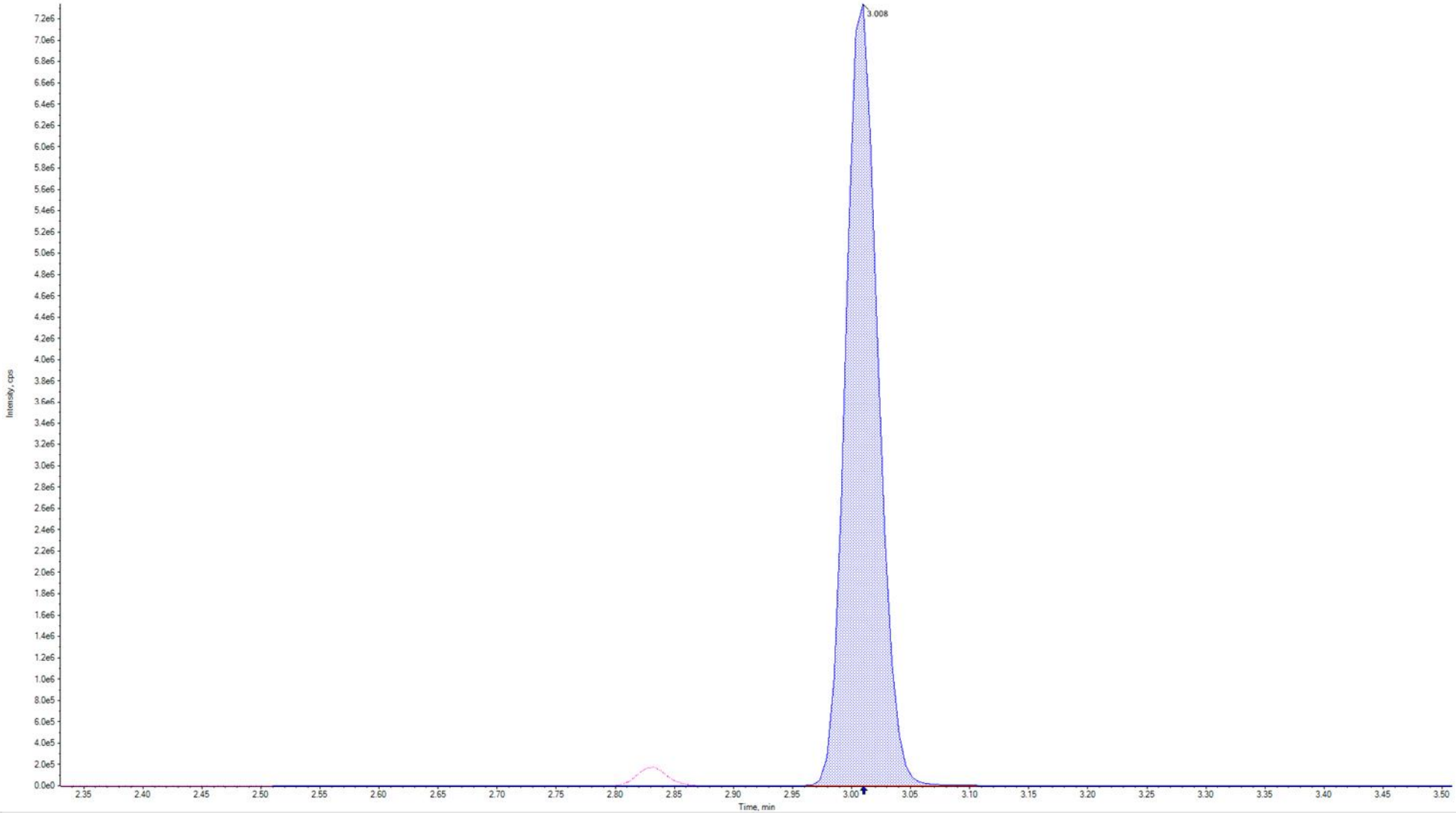
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

ADONA
Sample: IA1633STD-12.5 S/N:121984.9 Points Across peak:29



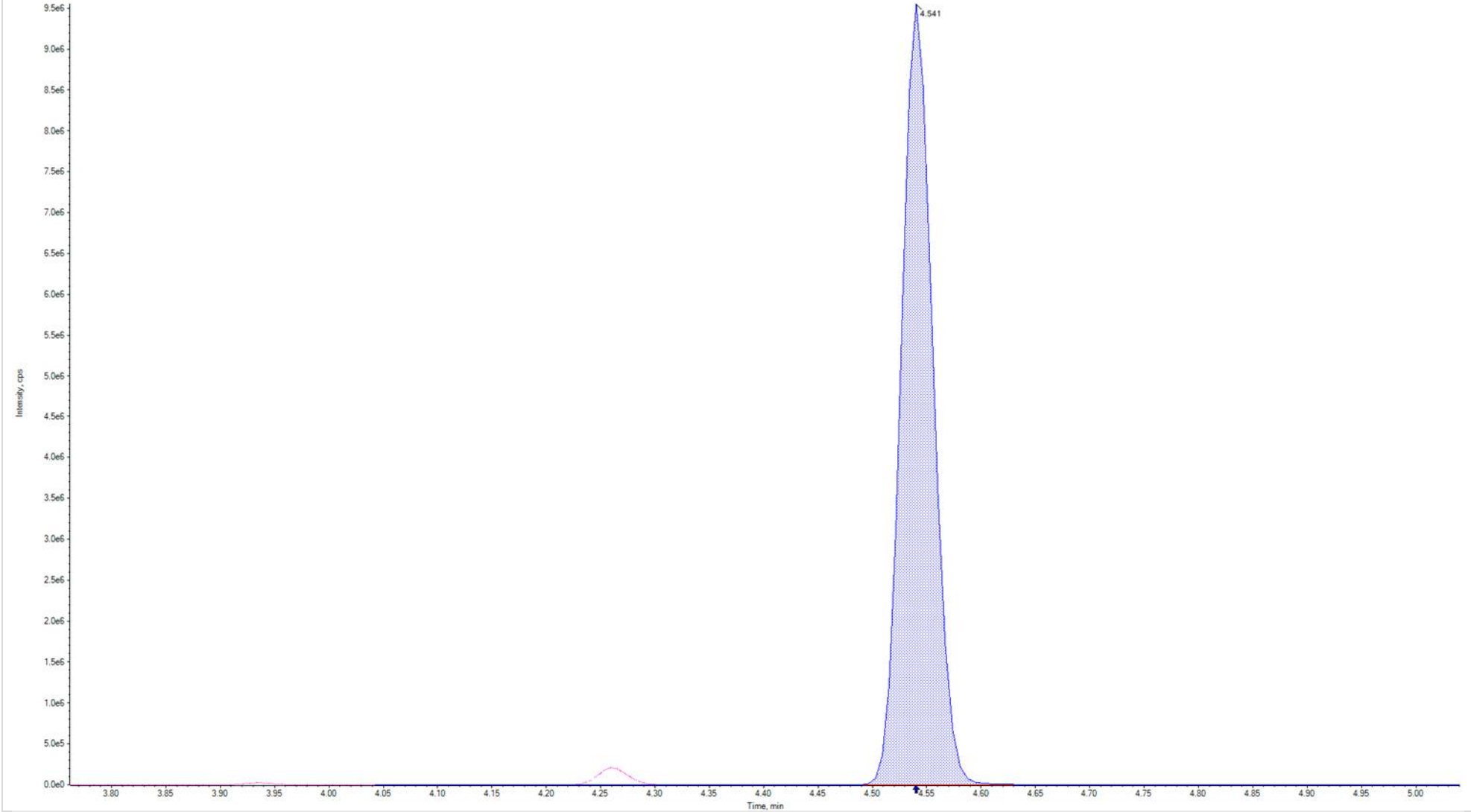
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

ADONA_2
Sample: IA1633STD-12.5 S/N:147200.8 Points Across peak:37



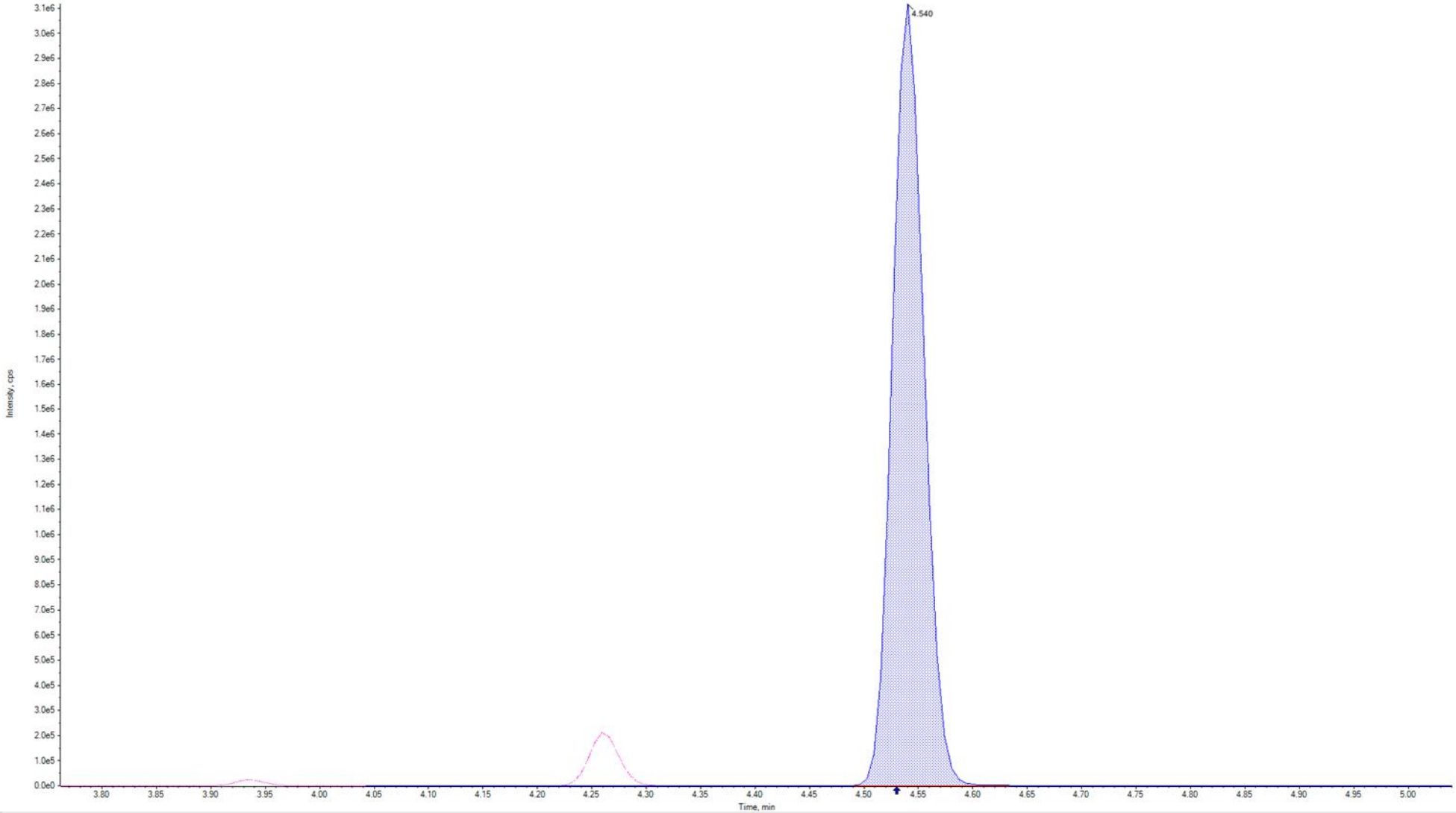
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

9Cl-PF3ONS
Sample: IA1633STD-12.5 S/N:215491.7 Points Across peak:29



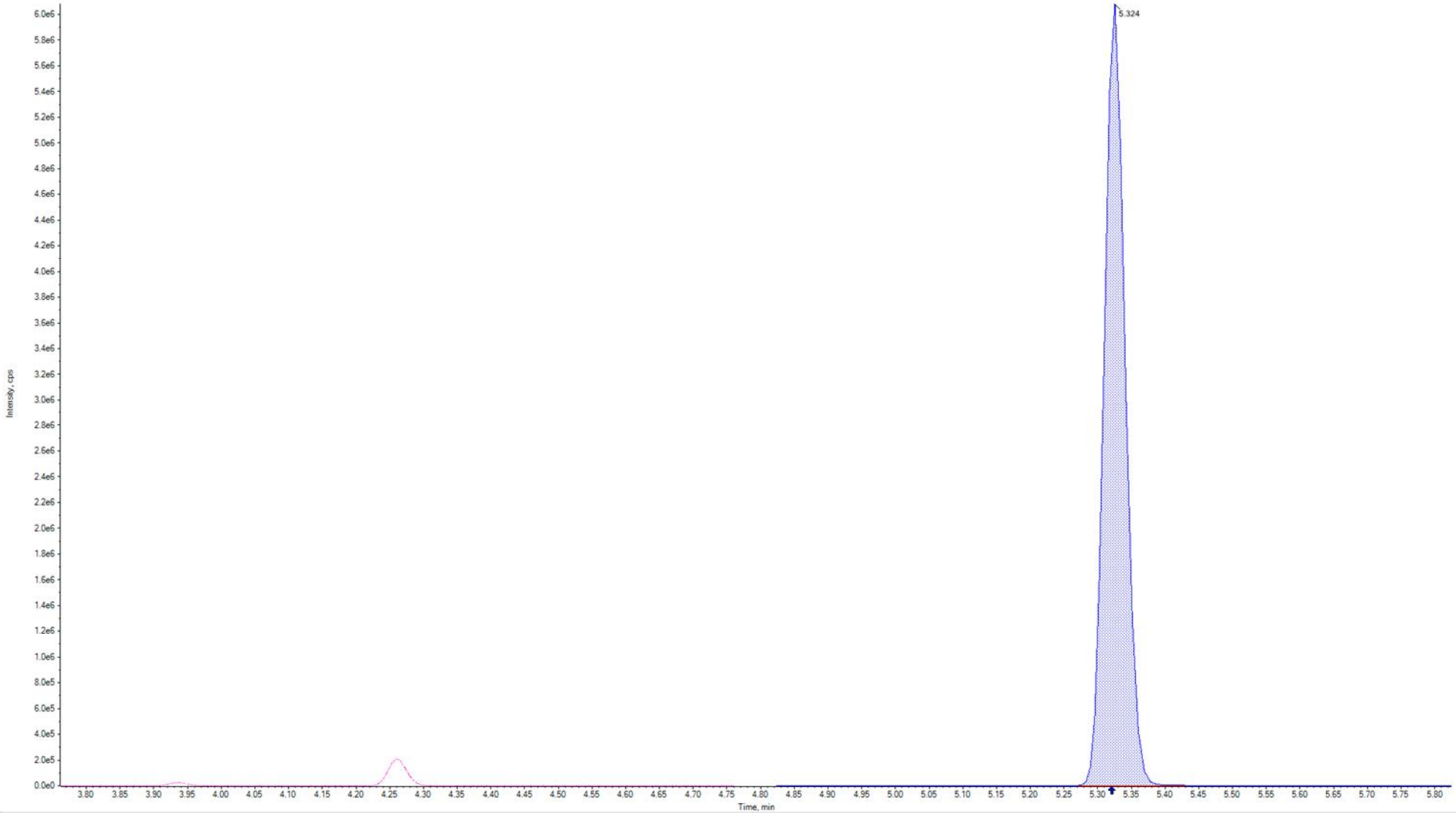
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

9Cl-PF3ONS_2
Sample: IA1633STD-12.5 S/N:8200.5 Points Across peak:36



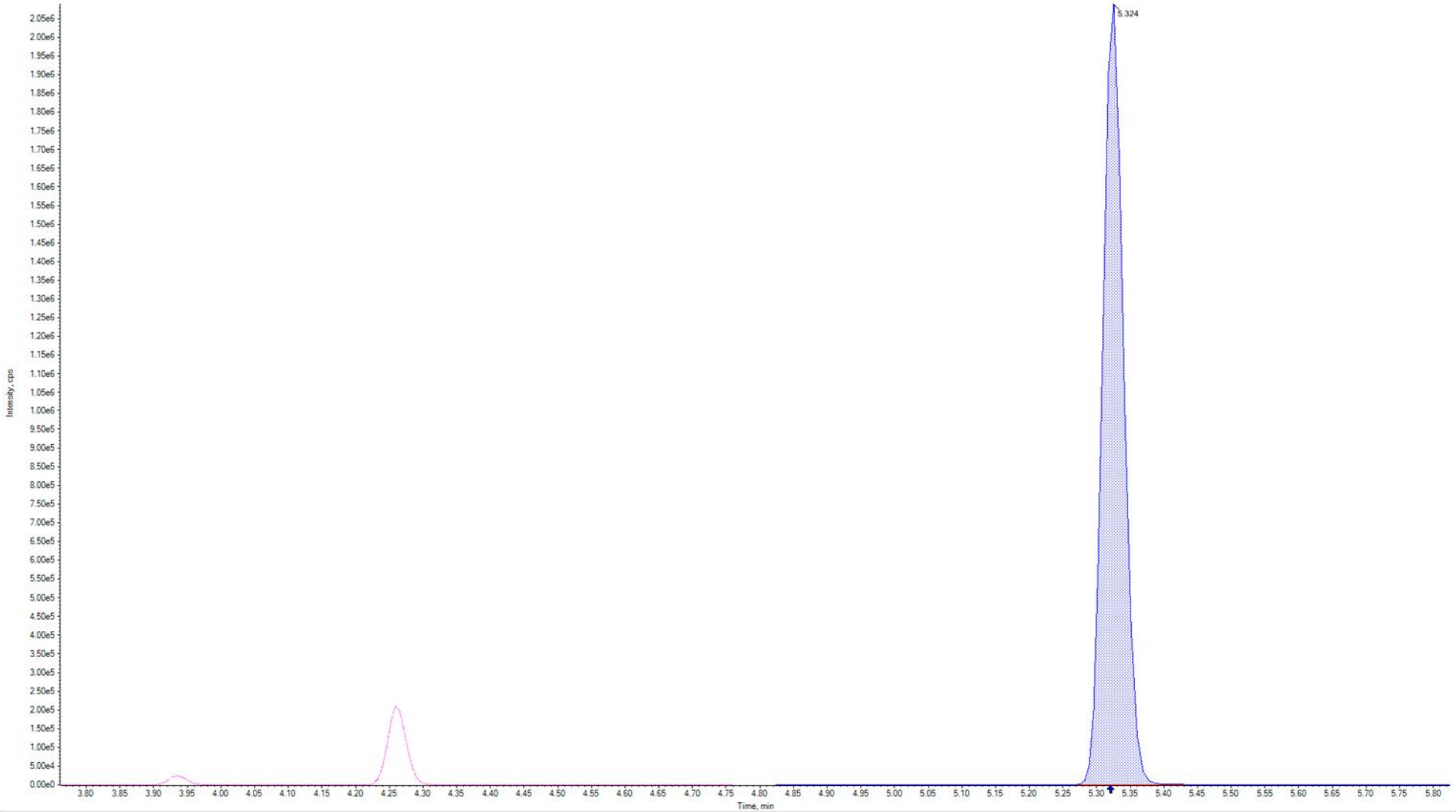
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

11Cl-PF3OUdS
Sample: IA1633STD-12.5 S/N:12690.0 Points Across peak:36



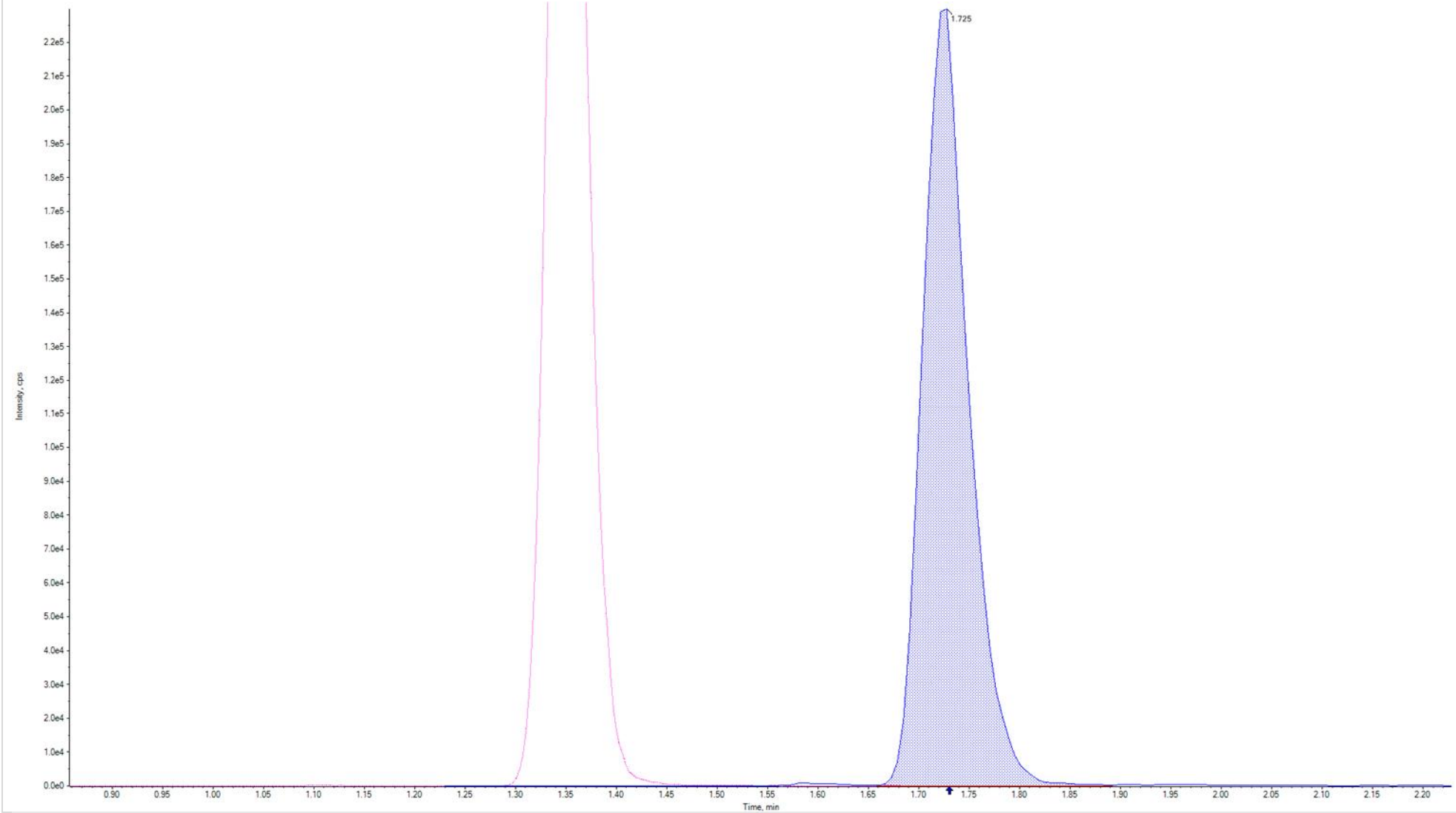
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-12.5 S/N:99508.0 Points Across peak:37



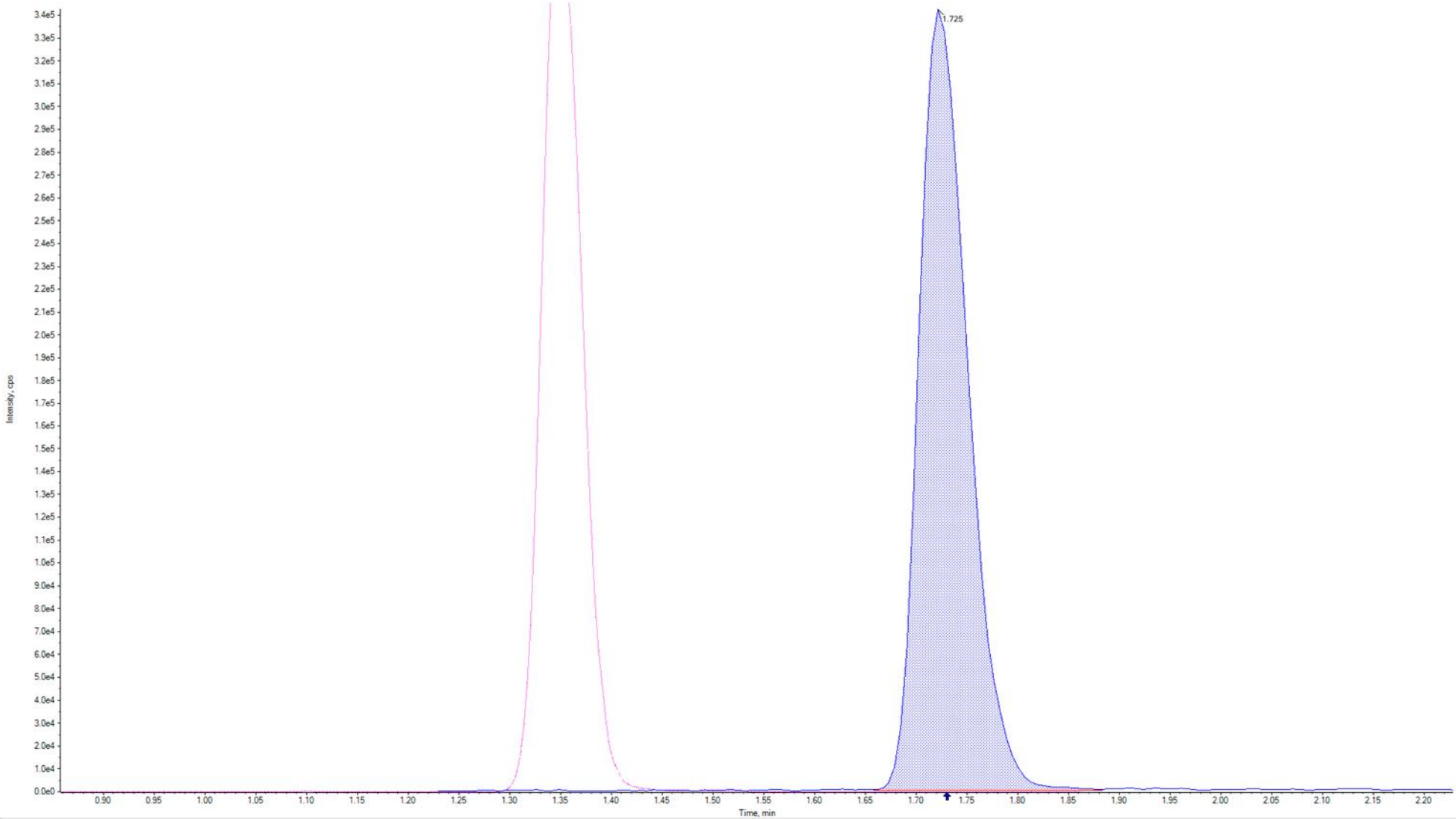
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

3:3FTCA
Sample: IA1633STD-12.5 S/N:3363.6 Points Across peak:41



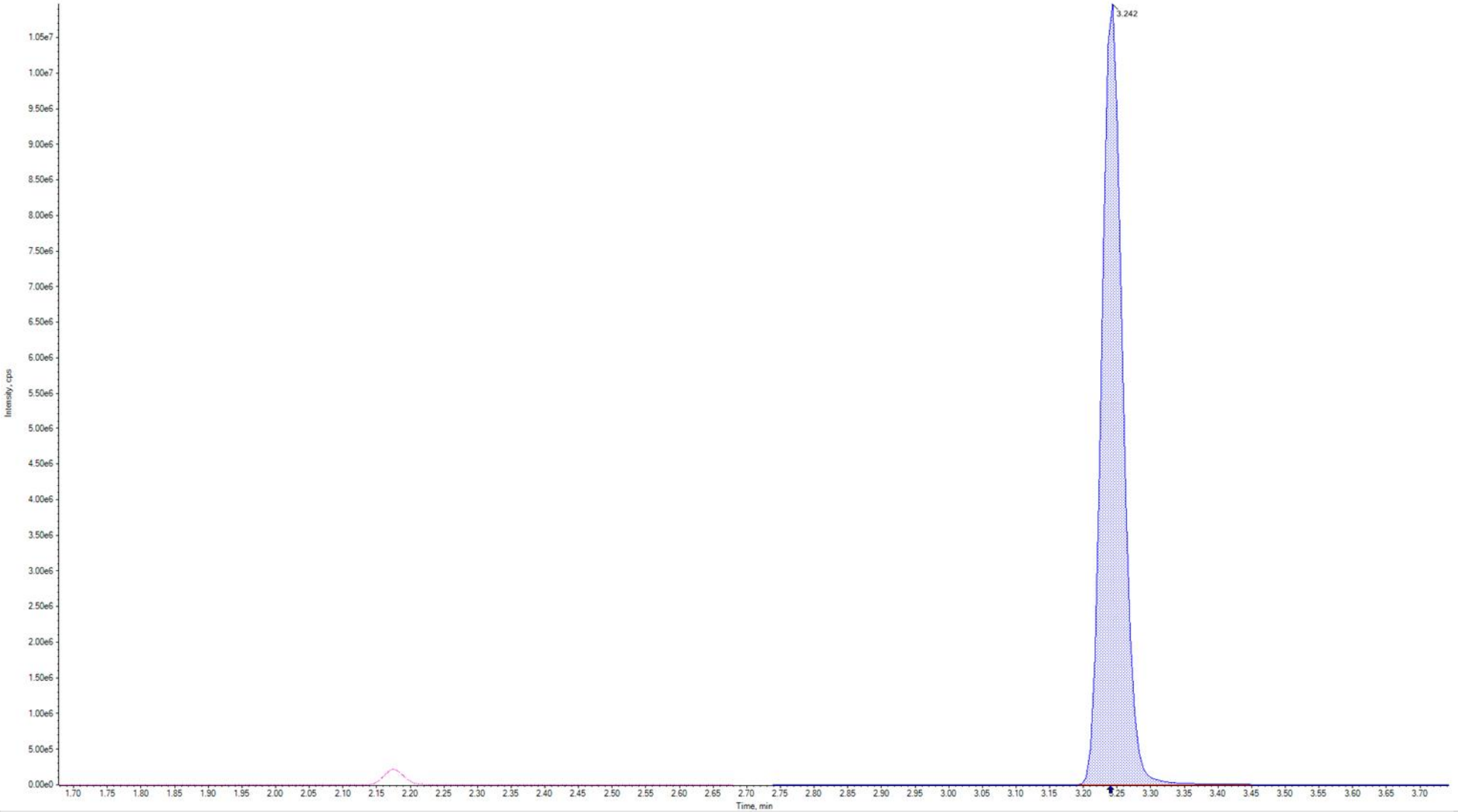
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

3:3FTCA_2
Sample: IA1633STD-12.5 S/N:2200.3 Points Across peak:39



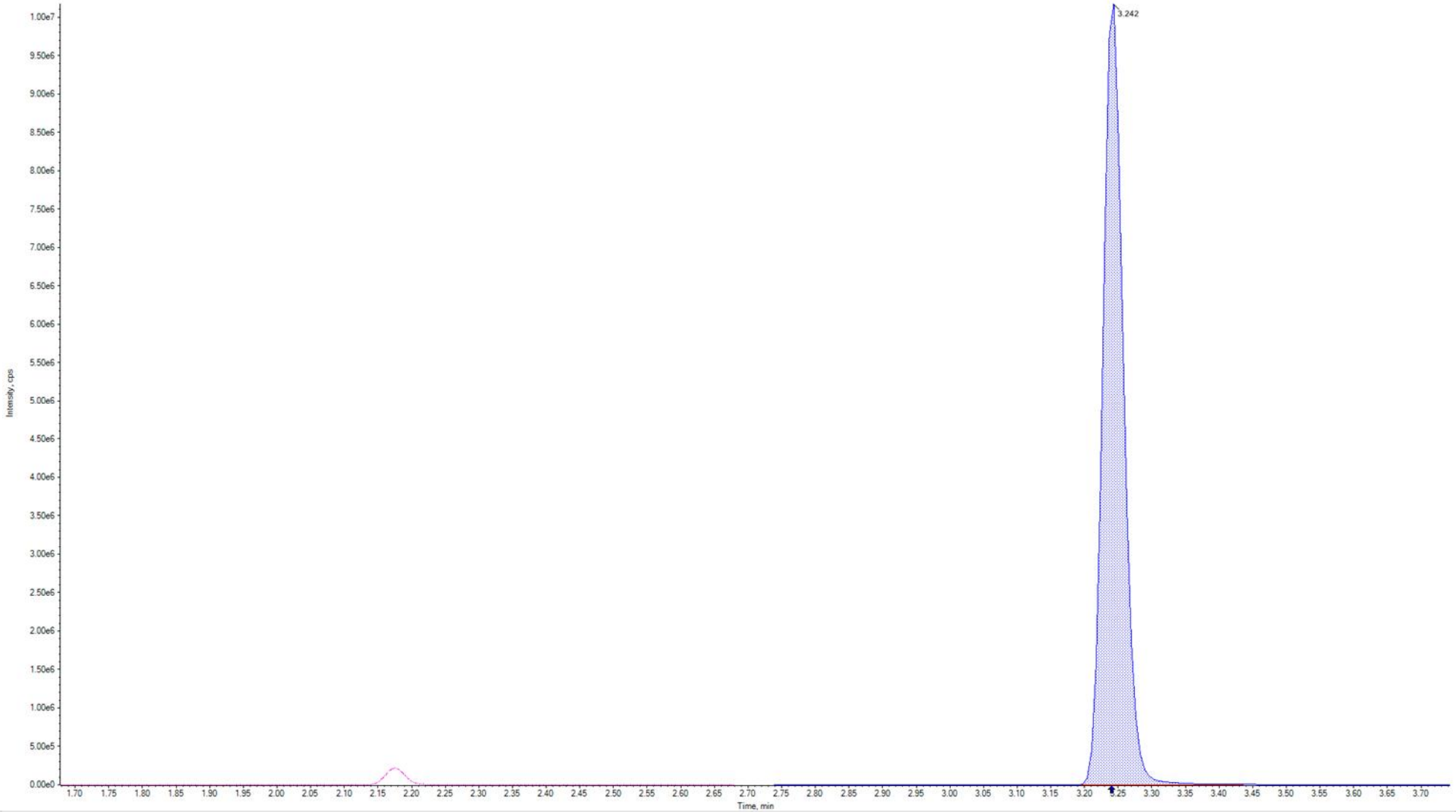
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

5:3FTCA
Sample: IA1633STD-12.5 S/N:68836.0 Points Across peak:50

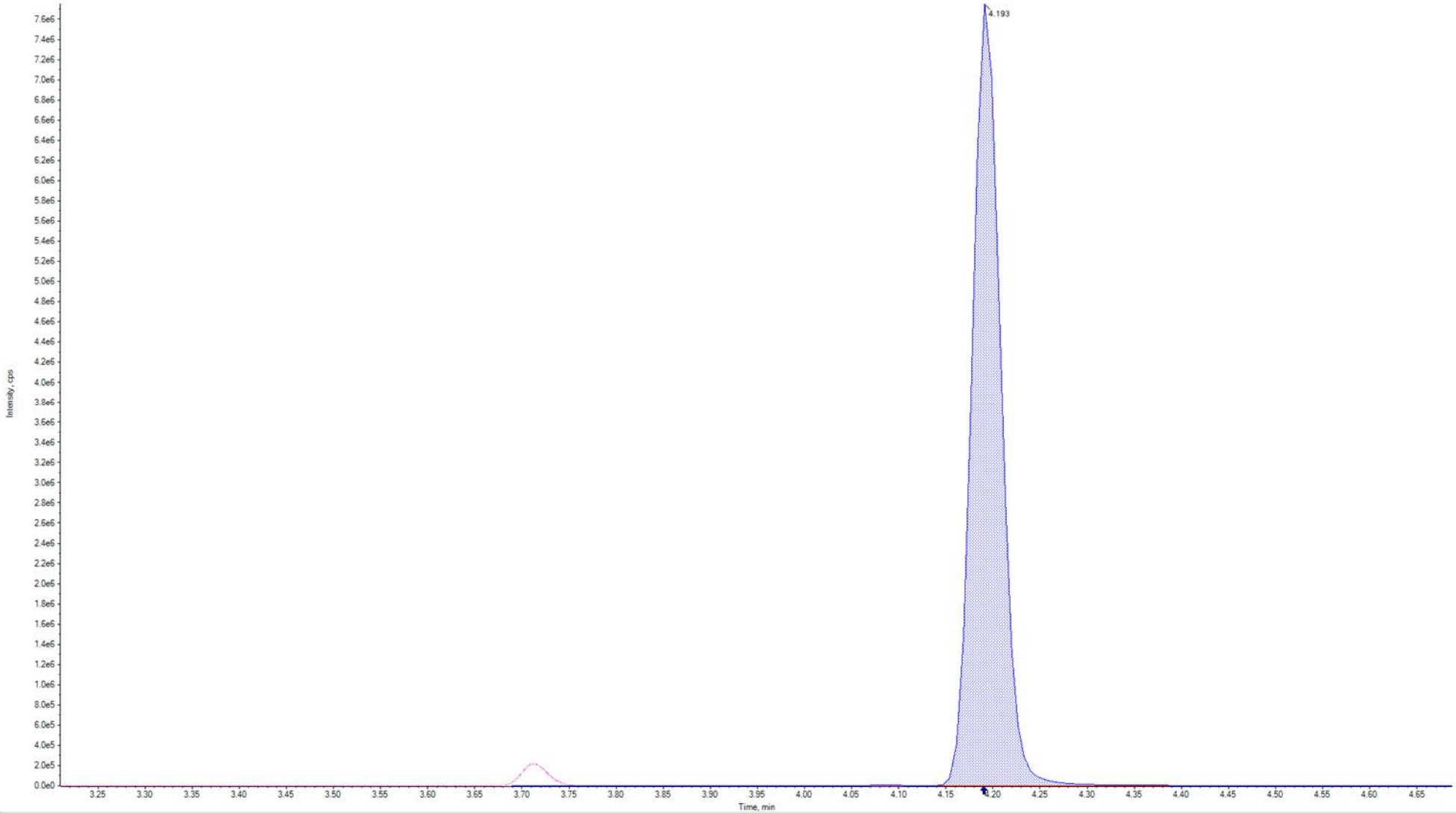


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

5:3FTCA_2
Sample: IA1633STD-12.5 S/N:229476.4 Points Across peak:42

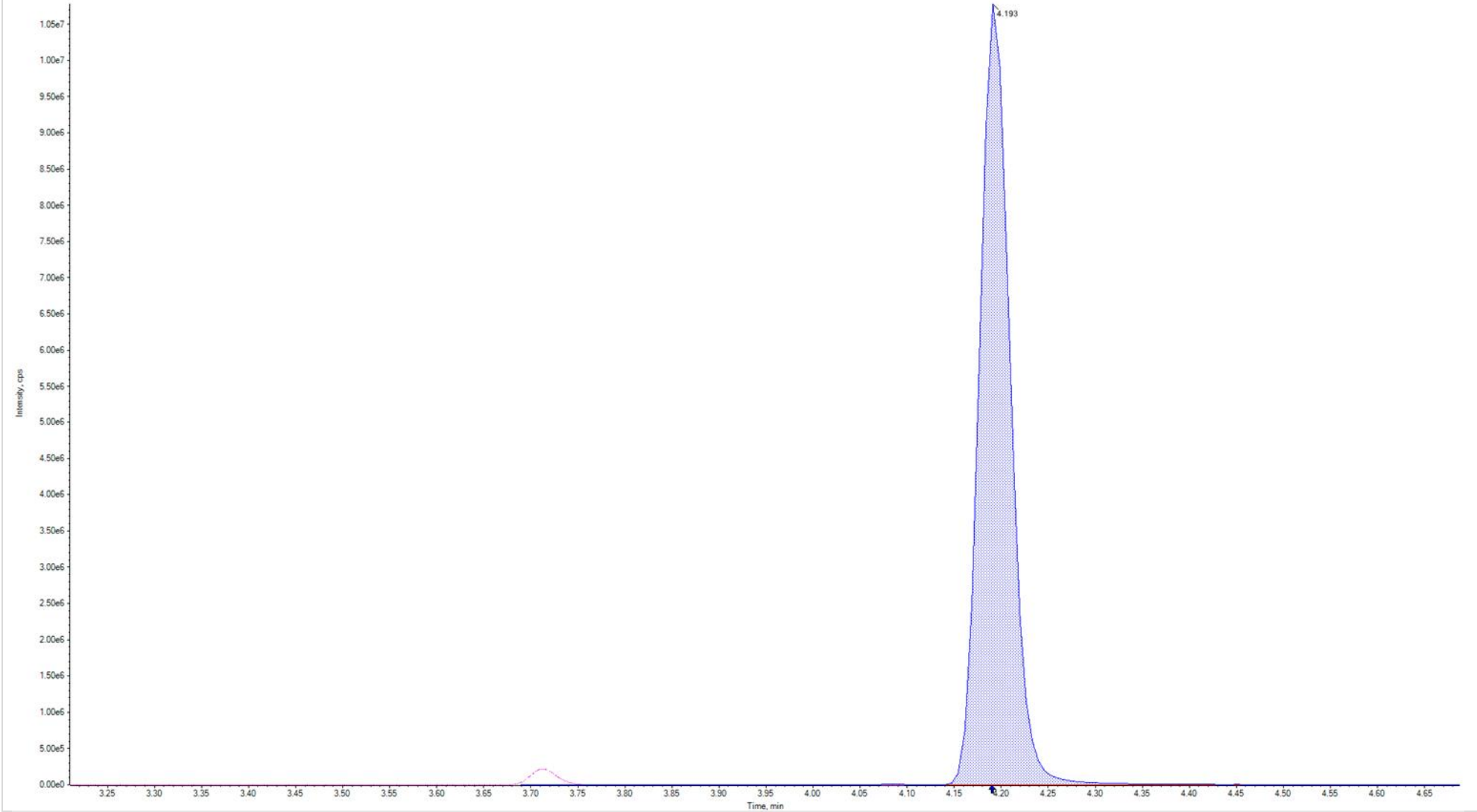


7:3FTCA
Sample: IA1633STD-12.5 S/N:136238.9 Points Across peak:42



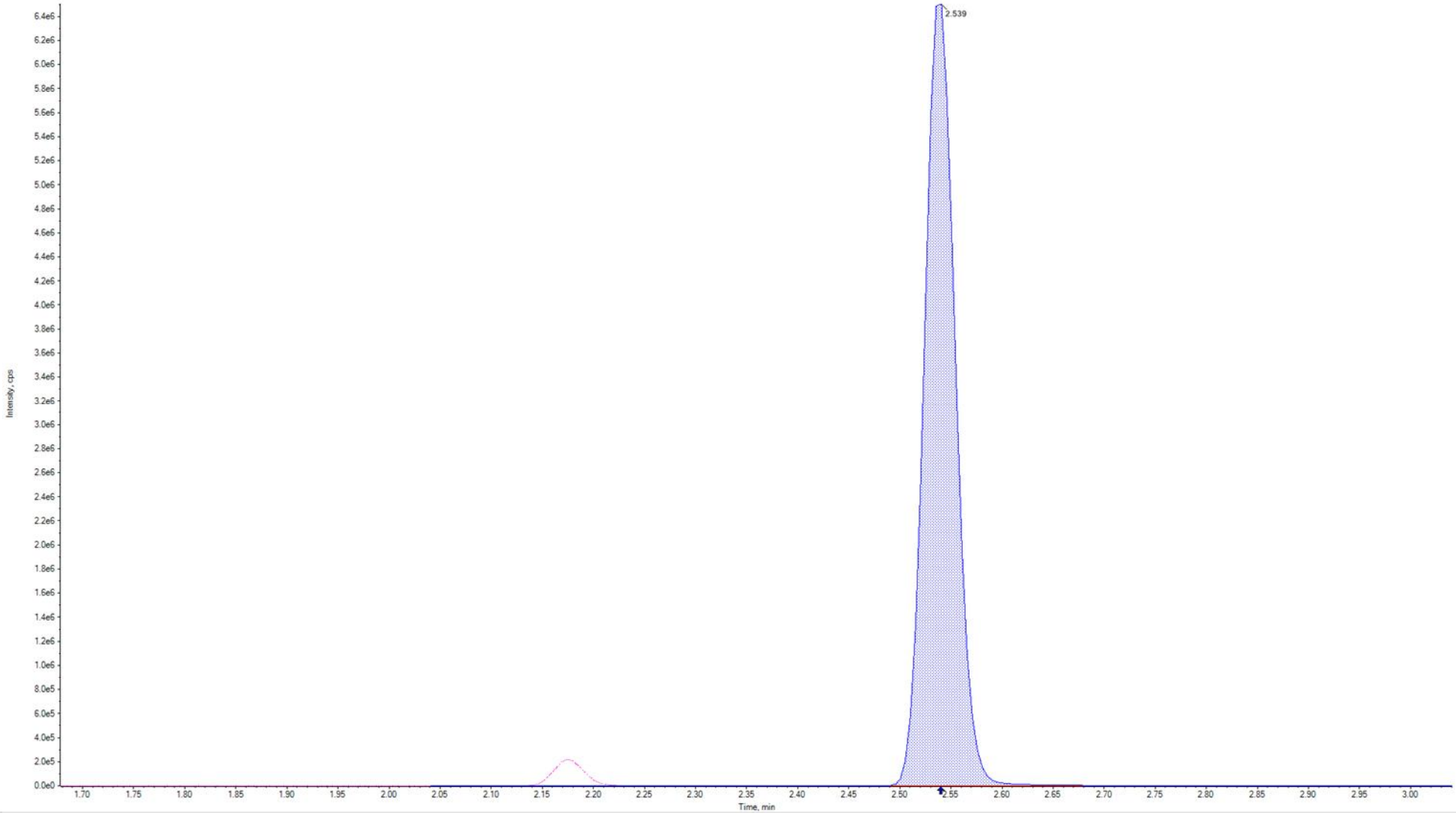
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

7:3FTCA_2
Sample: IA1633STD-12.5 S/N:58040.3 Points Across peak:57



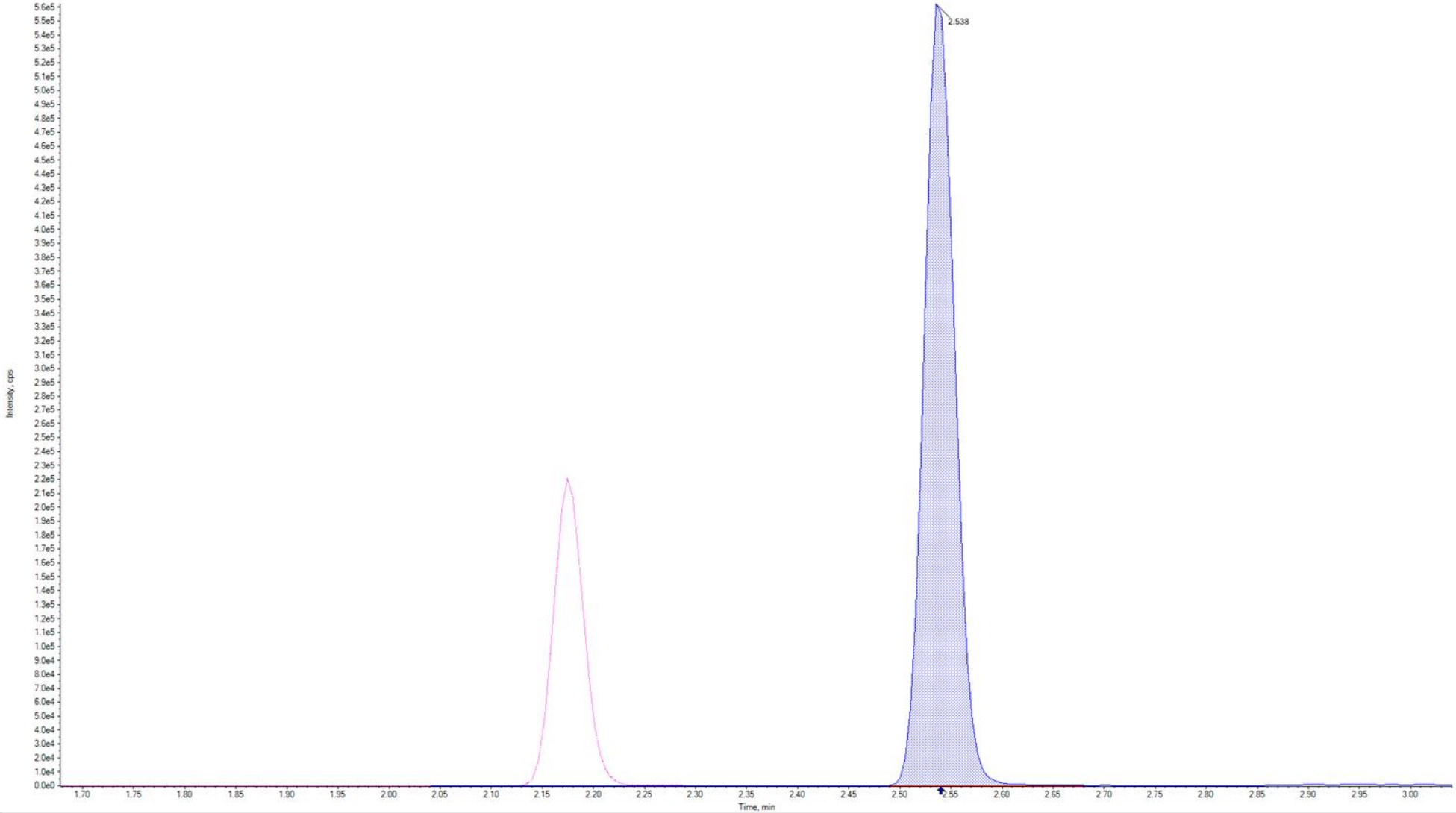
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFEESA
Sample: IA1633STD-12.5 S/N:146721.0 Points Across peak:48



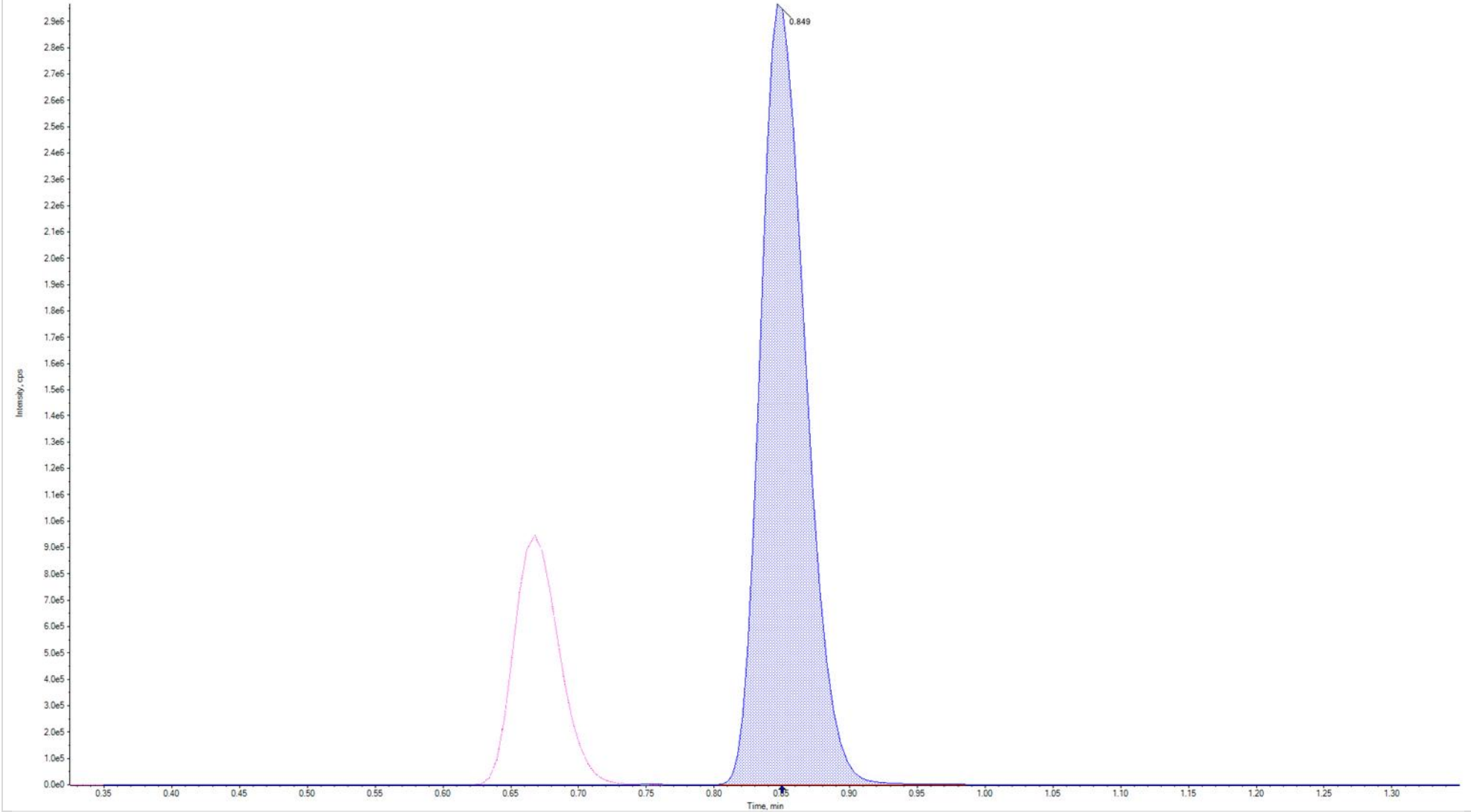
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFEESA_2
Sample: IA1633STD-12.5 S/N:4361.9 Points Across peak:40



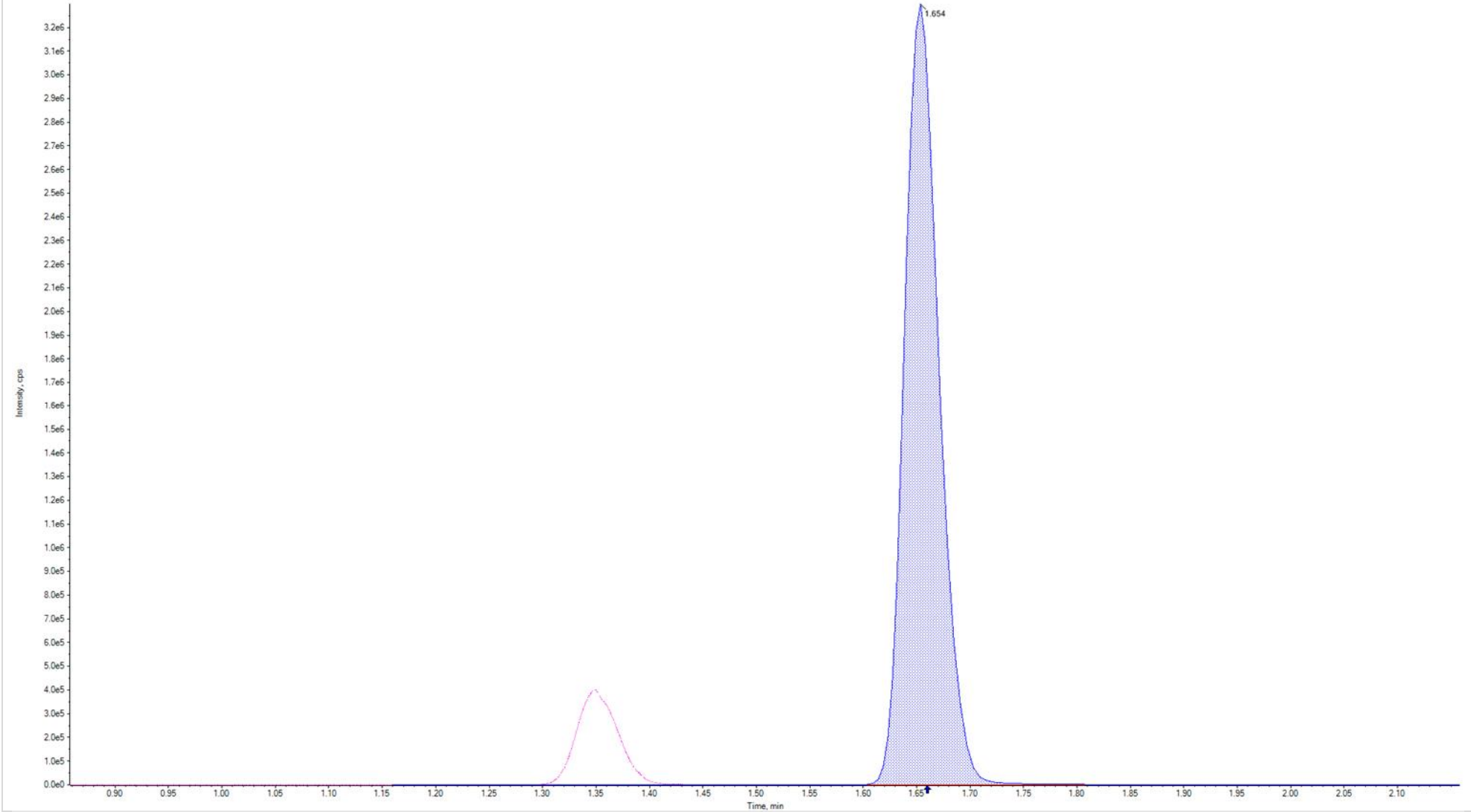
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFMPA
Sample: IA1633STD-12.5 S/N:24186.9 Points Across peak:62



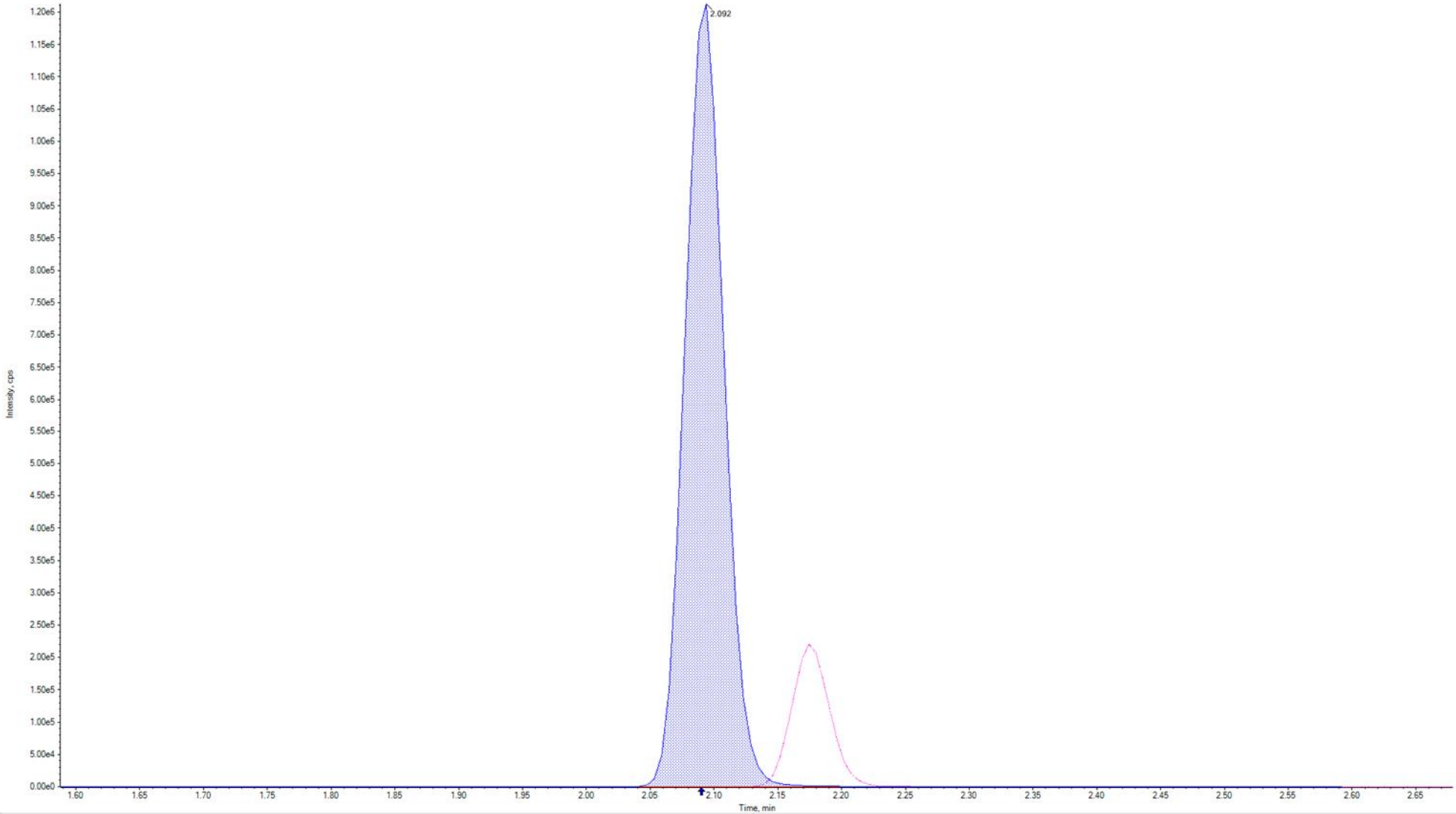
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFMBA
Sample: IA1633STD-12.5 S/N:76316.5 Points Across peak:58



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NFDHA
Sample: IA1633STD-12.5 S/N:15071.1 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
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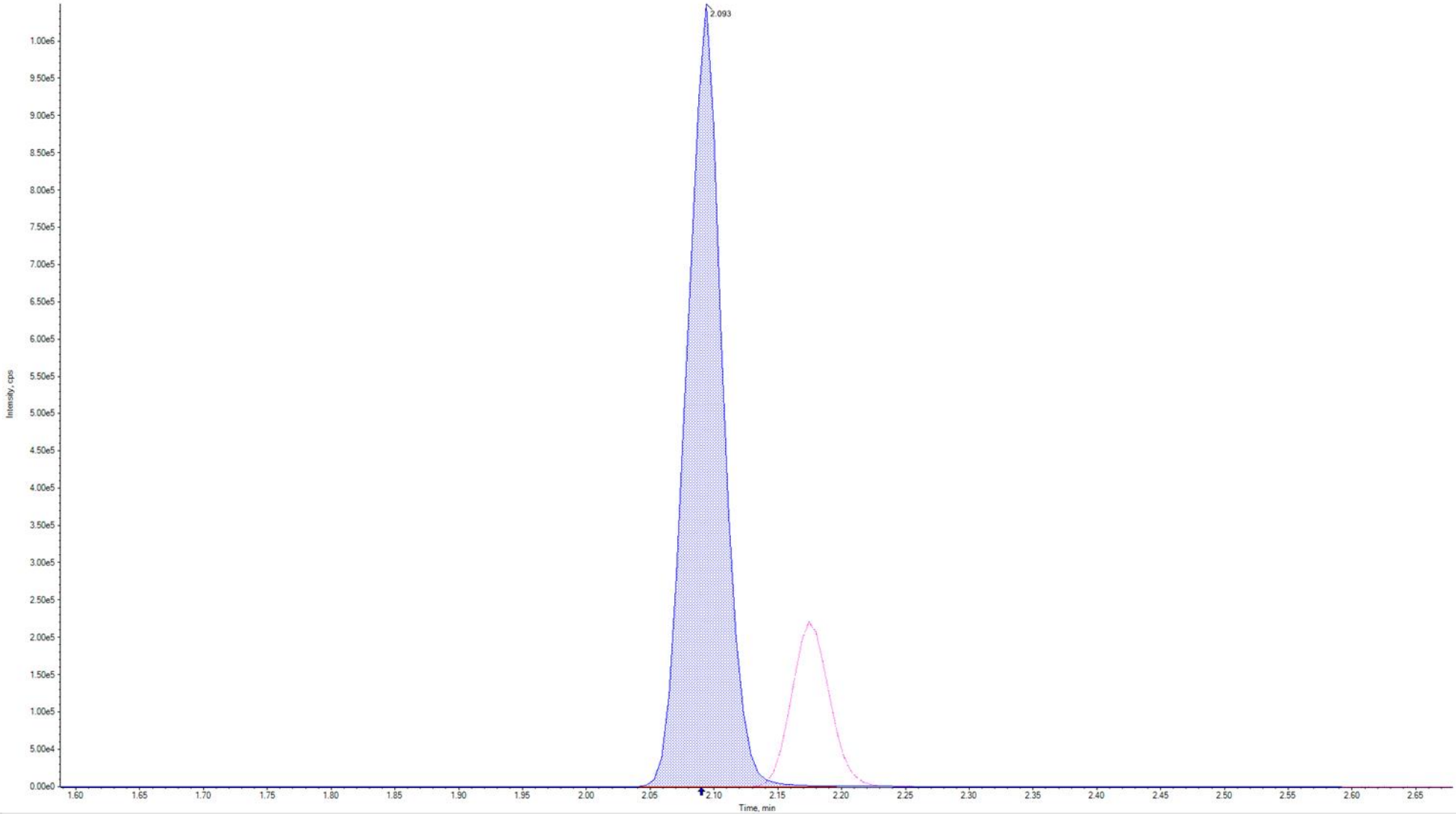
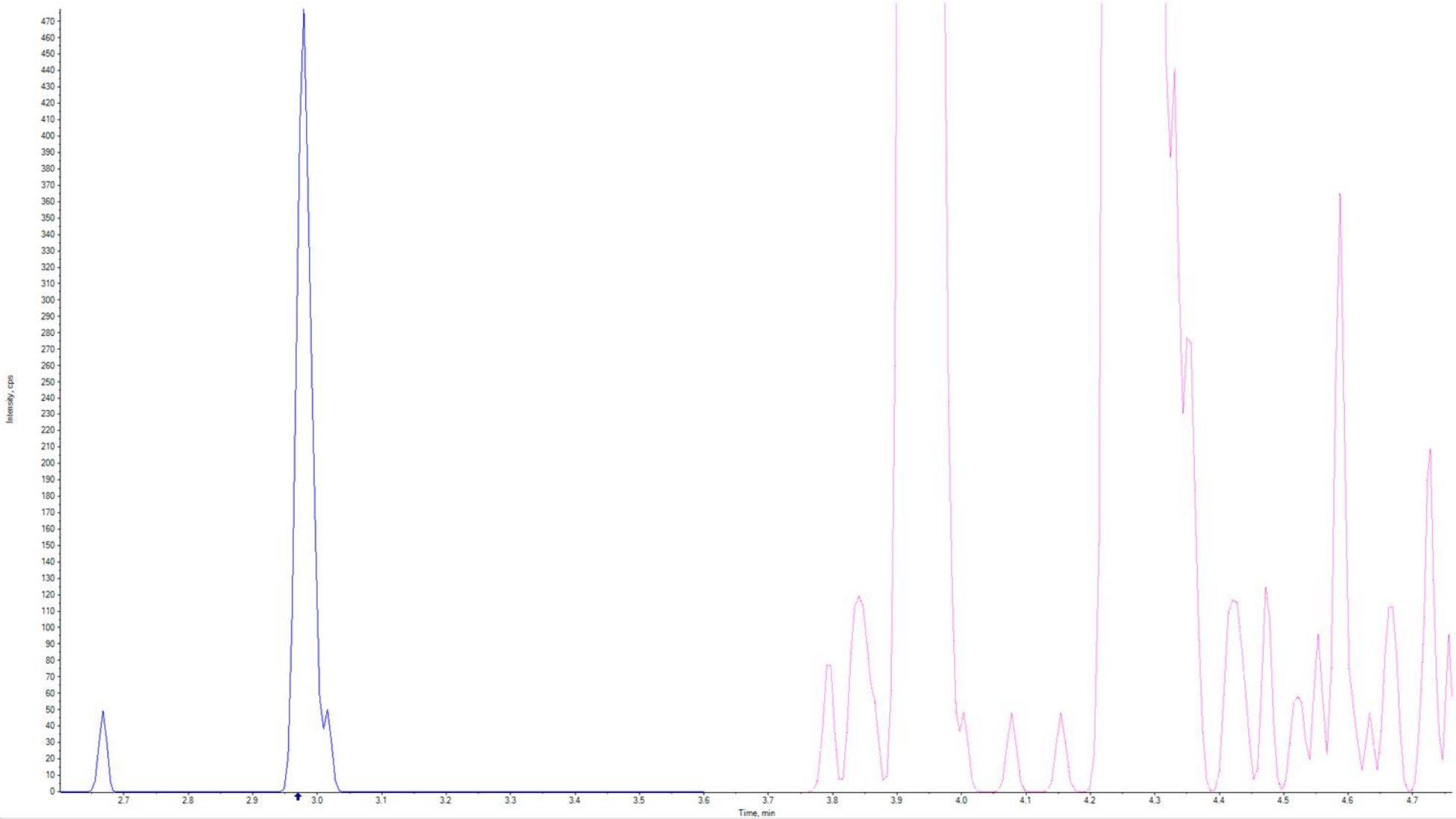
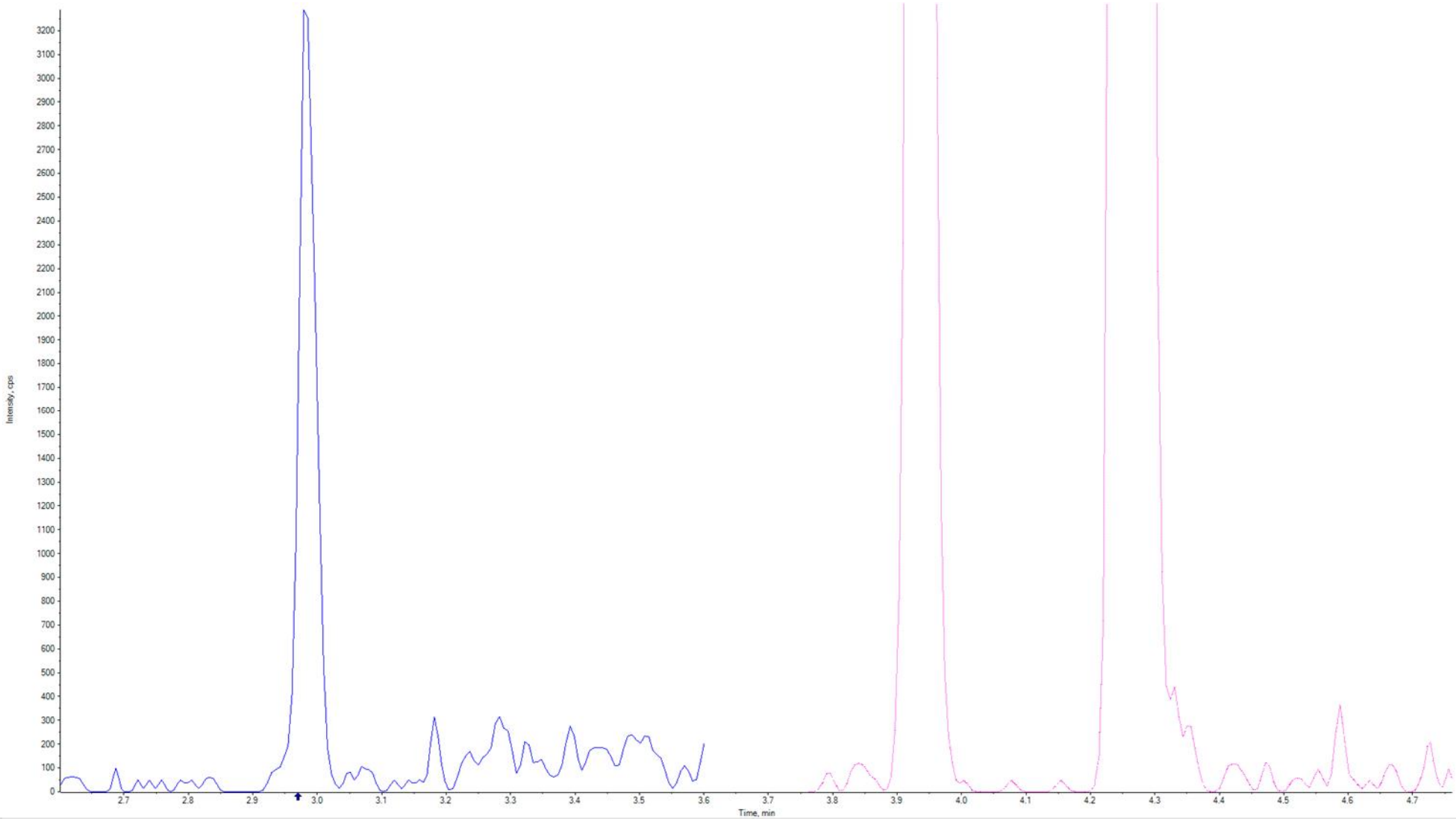
NFDHA_2
Sample: IA1633STD-12.5 S/N:28940.3 Points Across peak:32



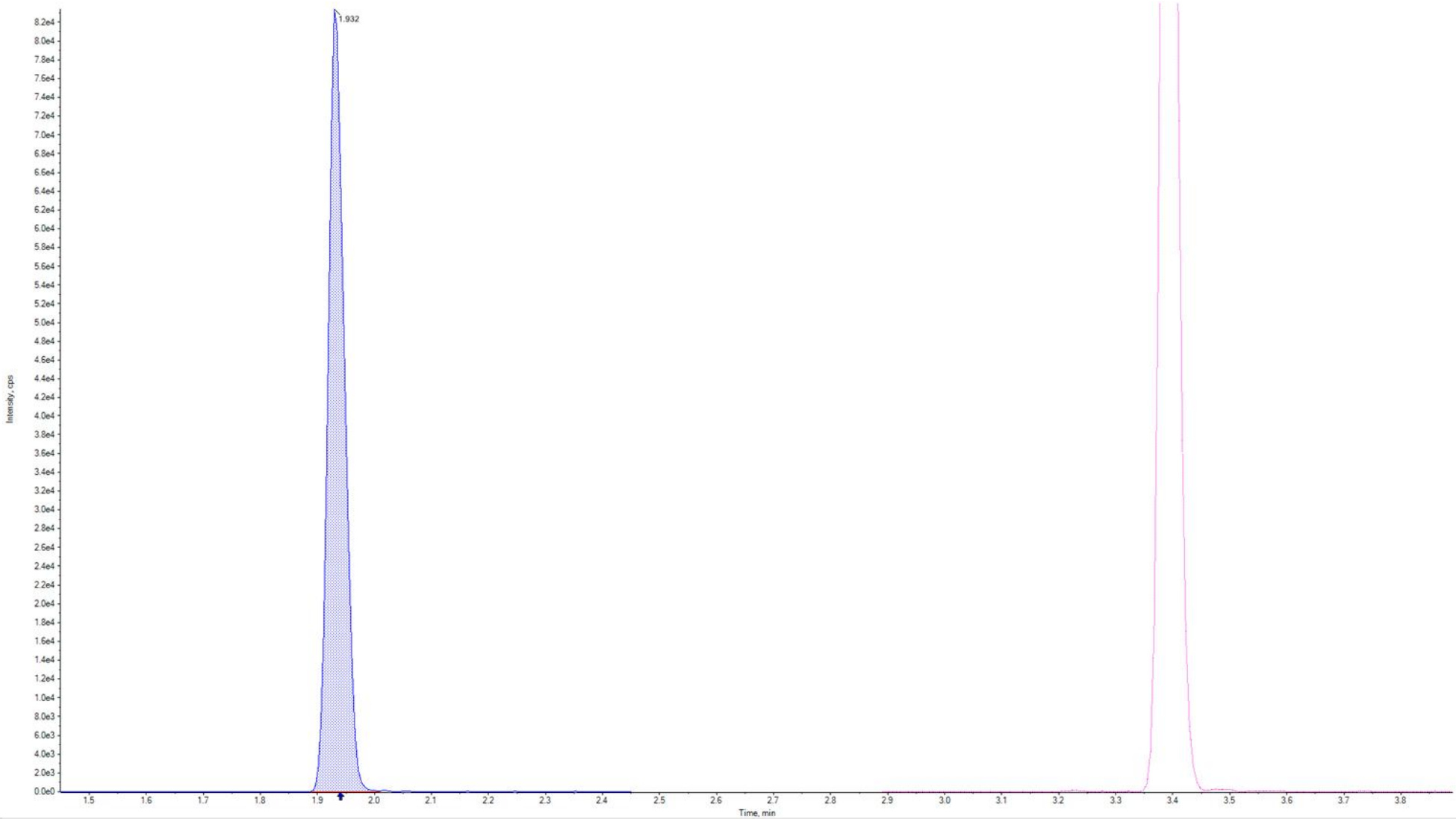
TDCA
Sample: IA1633STD-12.5 S/N:N/A Points Across peak:N/A



TDCA_2
Sample: IA1633STD-12.5 S/N:N/A Points Across peak:N/A



13C2D4-4:2FTS
Sample: IA1633STD-12.5 S/N:3015.6 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
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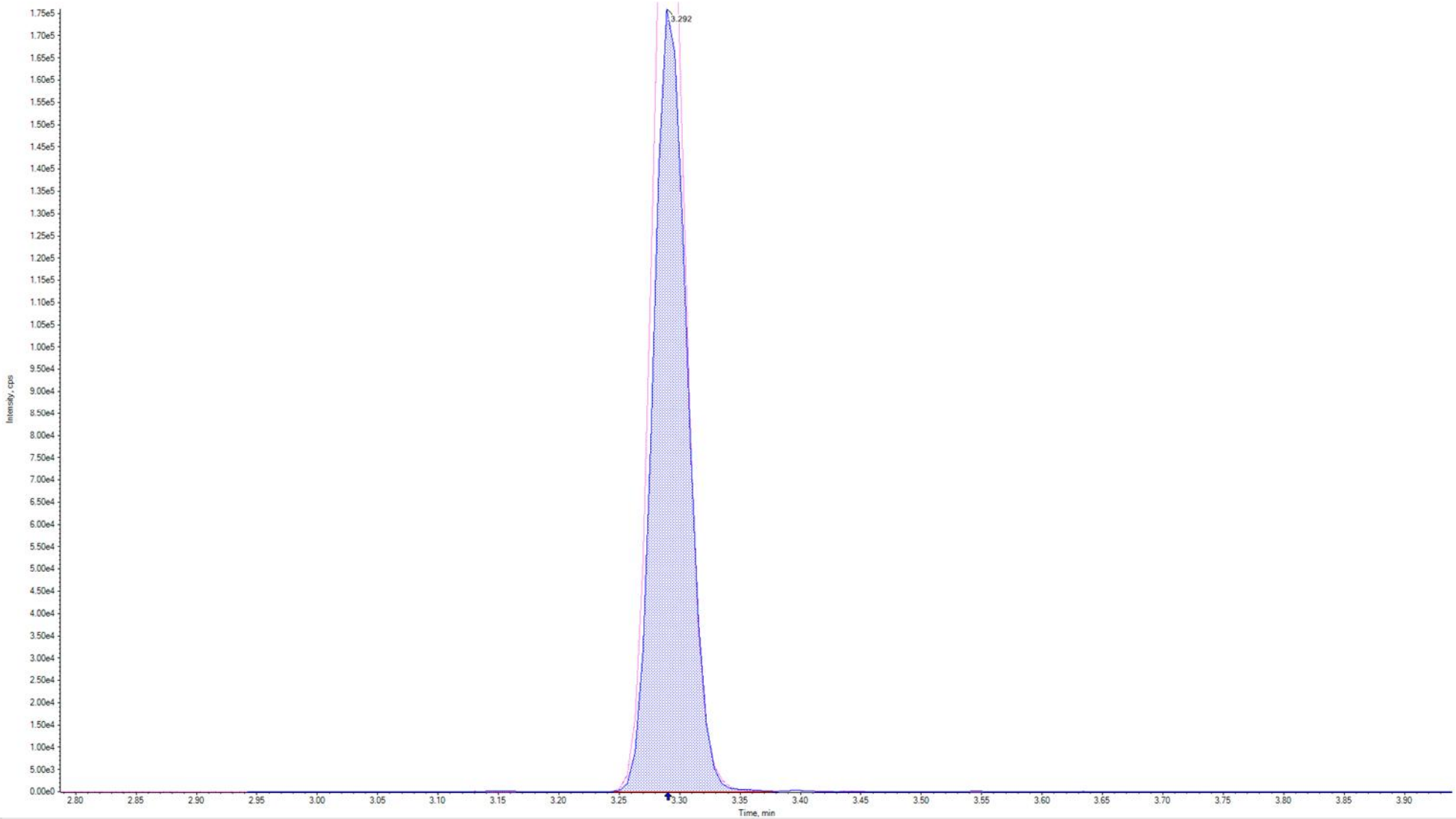
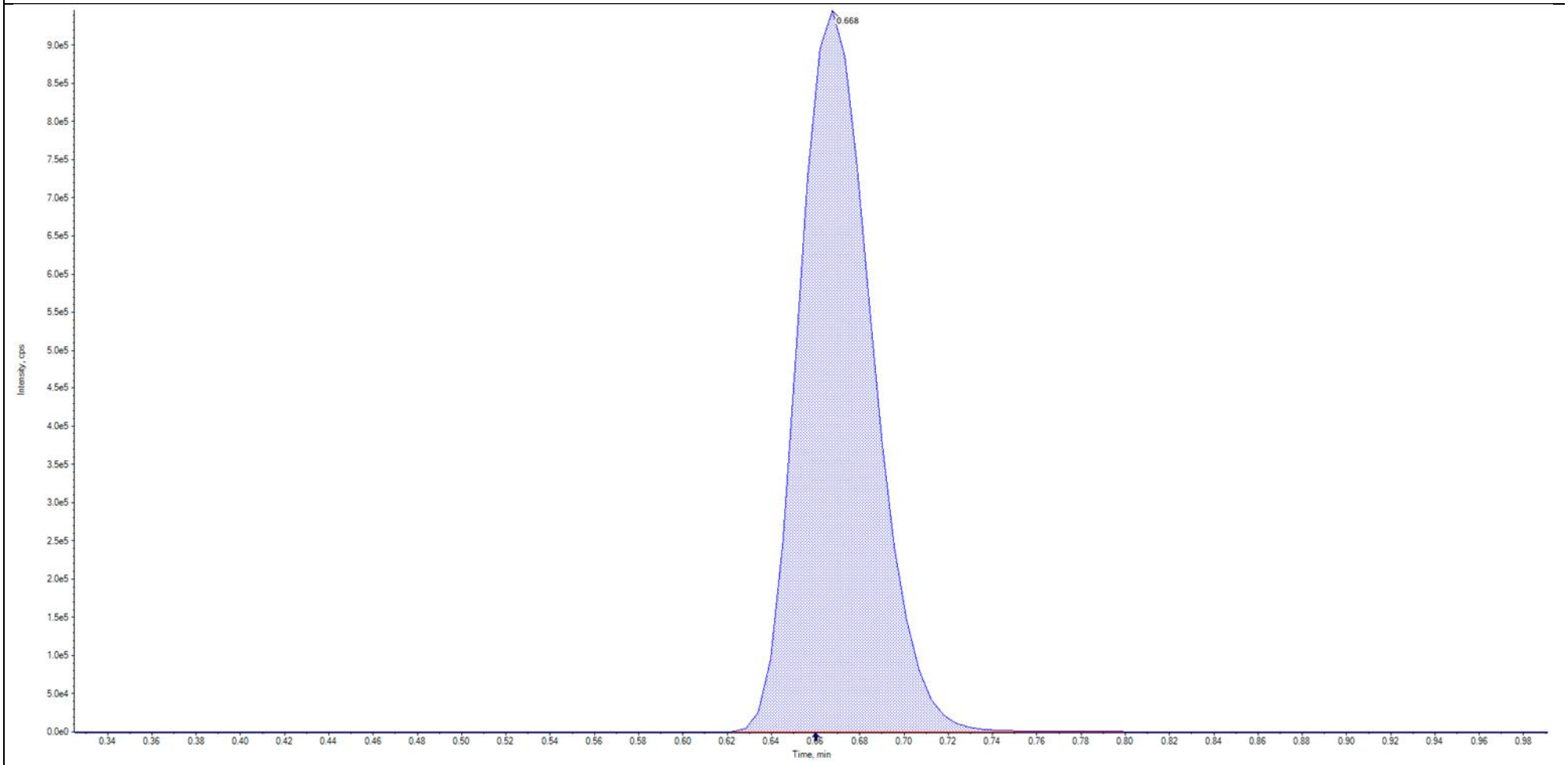
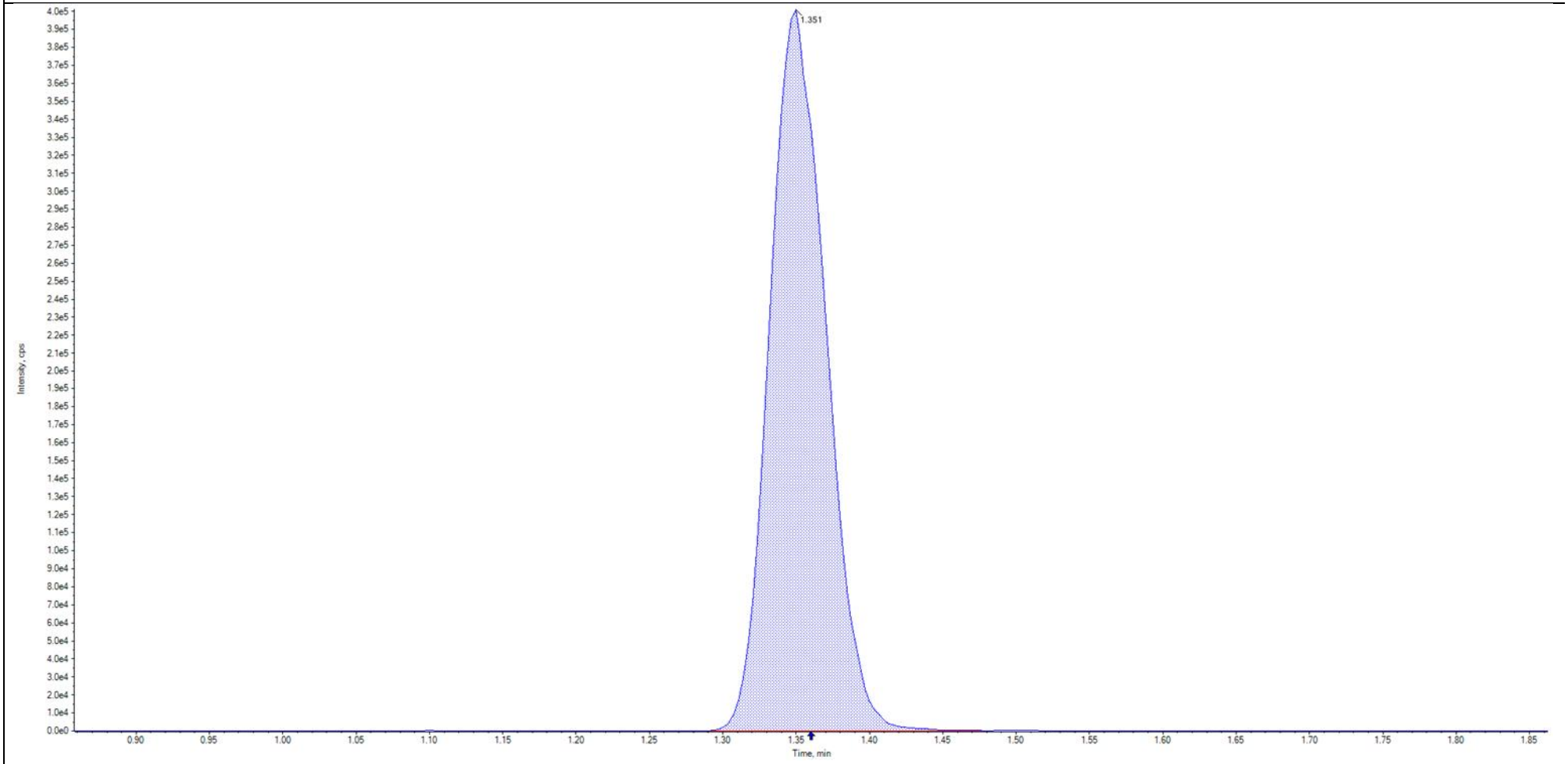
13C2-PFOA
Sample: IA1633STD-12.5 S/N:3969.5 Points Across peak:26



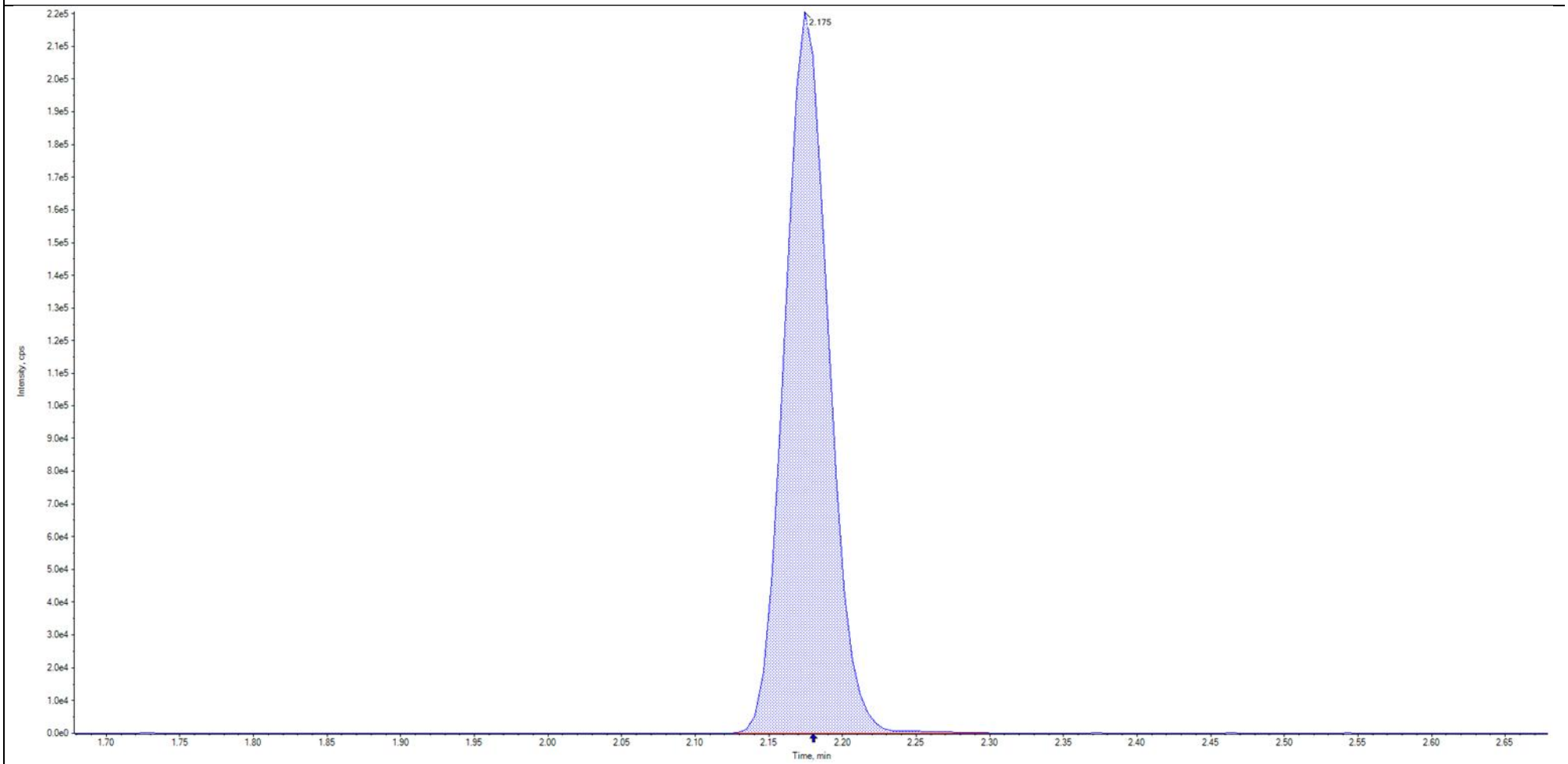
13C4-PFBA
Sample: IA1633STD-12.5



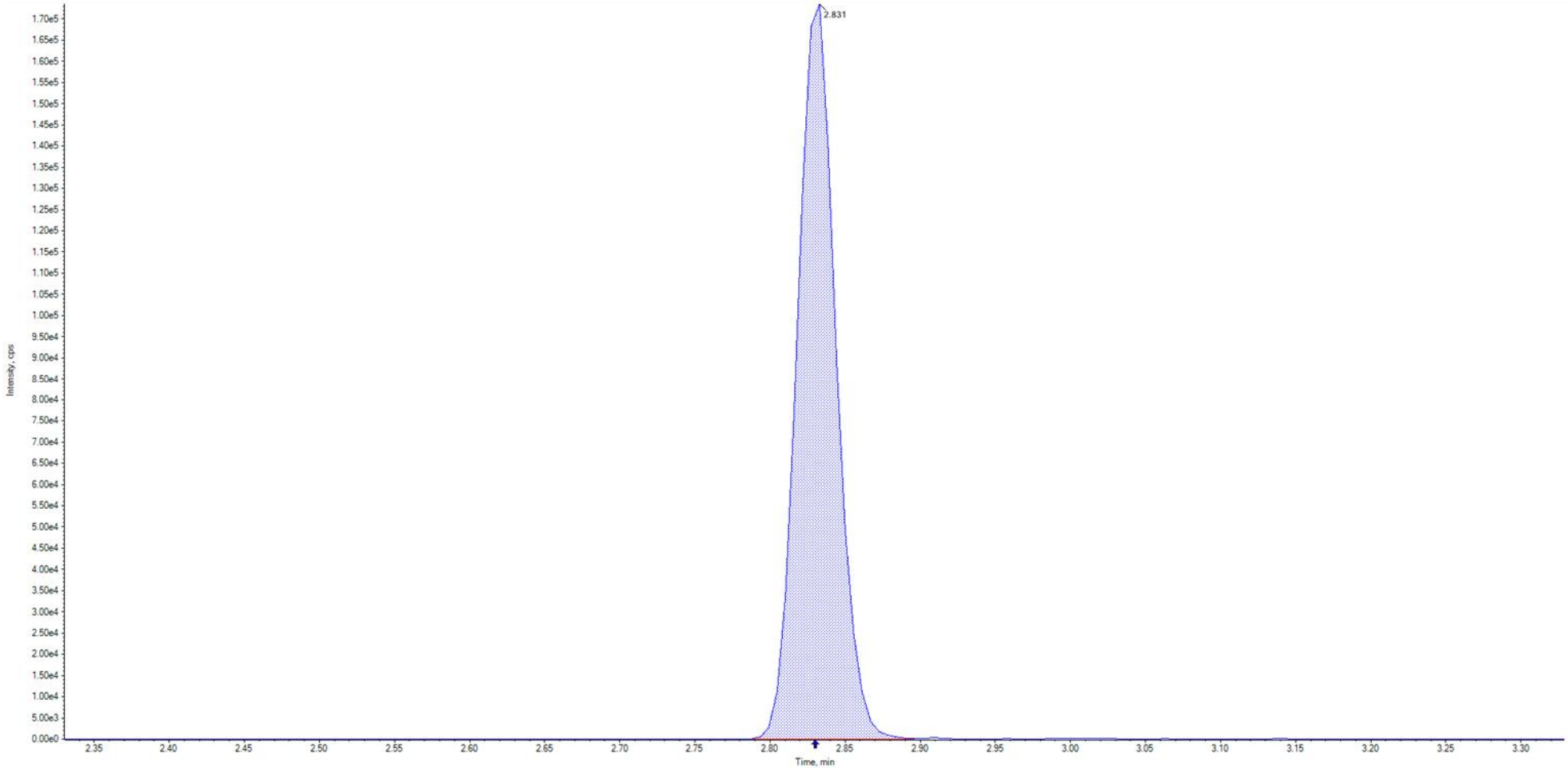
13C5-PFPeA
Sample: IA1633STD-12.5



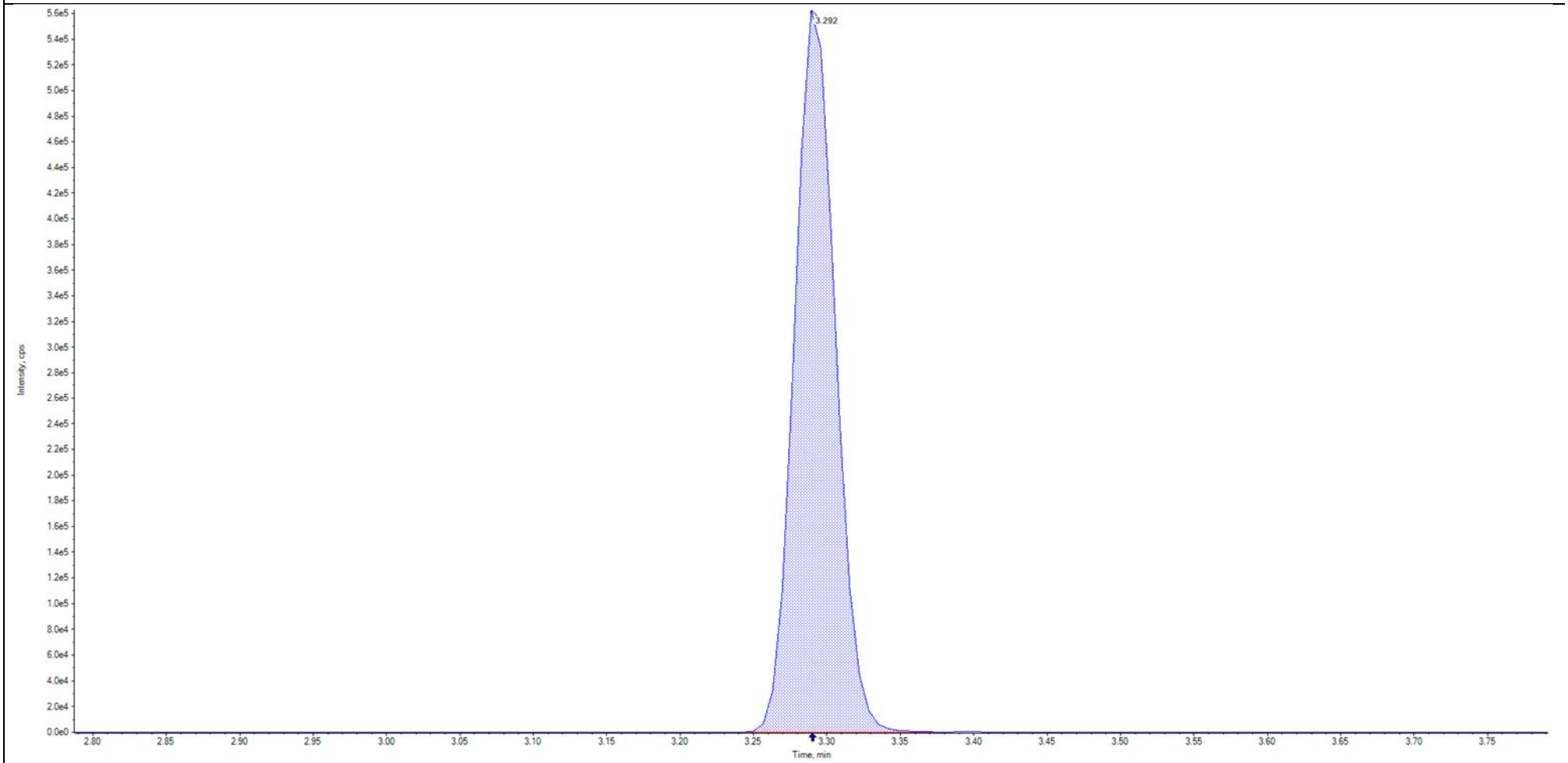
13C5-PFHxA
Sample: IA1633STD-12.5



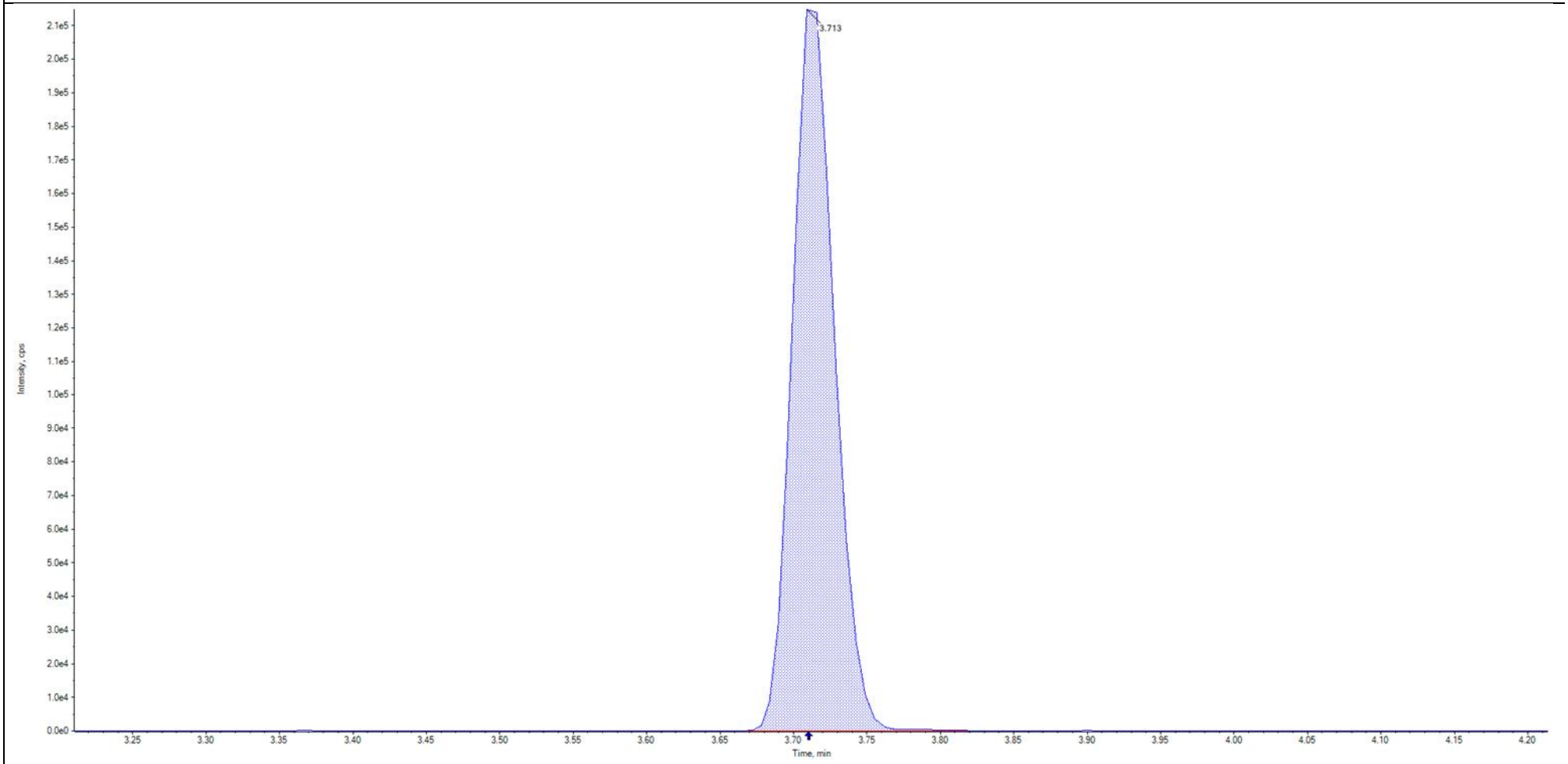
13C4-PFHpA
Sample: IA1633STD-12.5



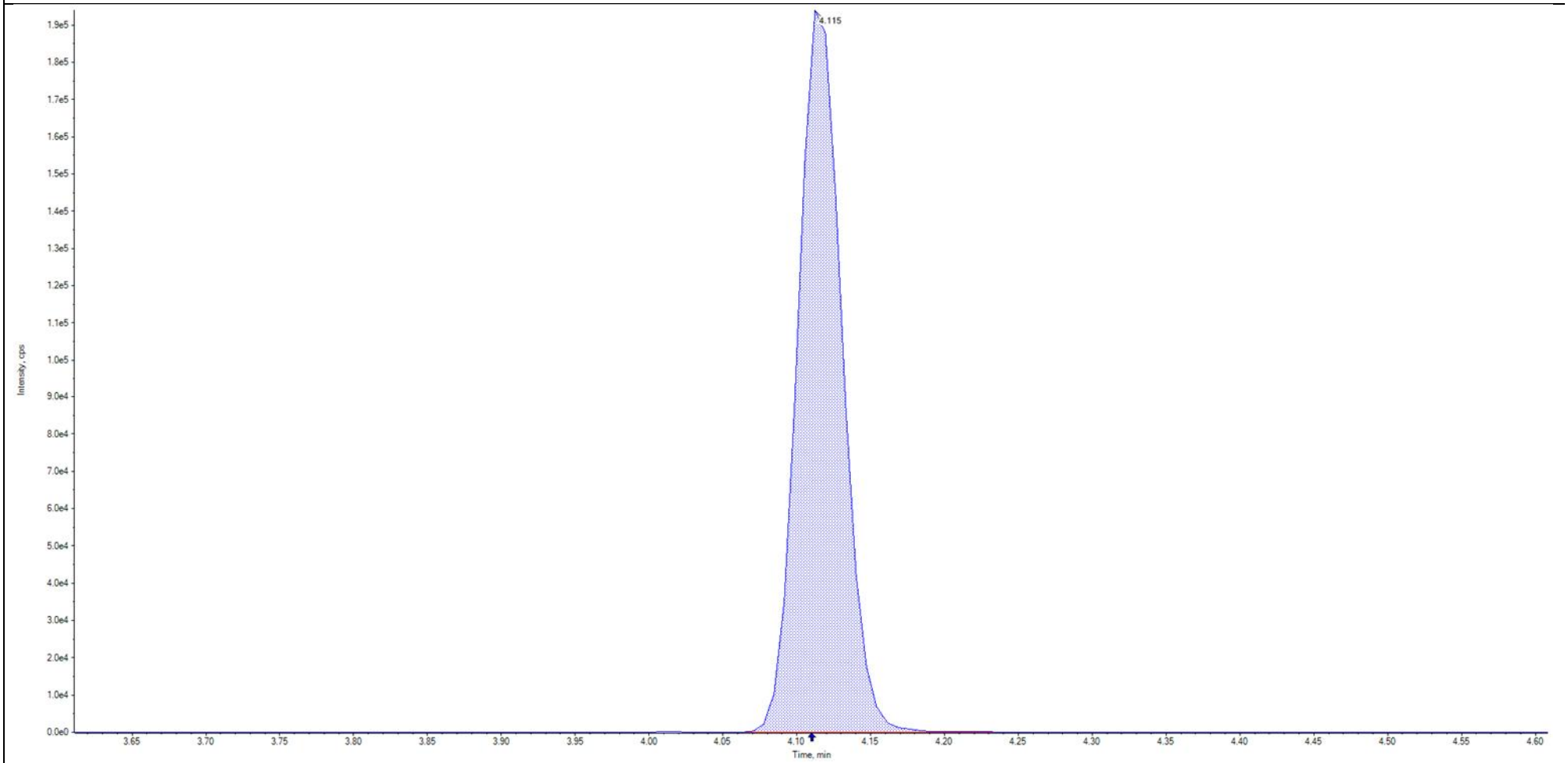
13C8-PFOA
Sample: IA1633STD-12.5



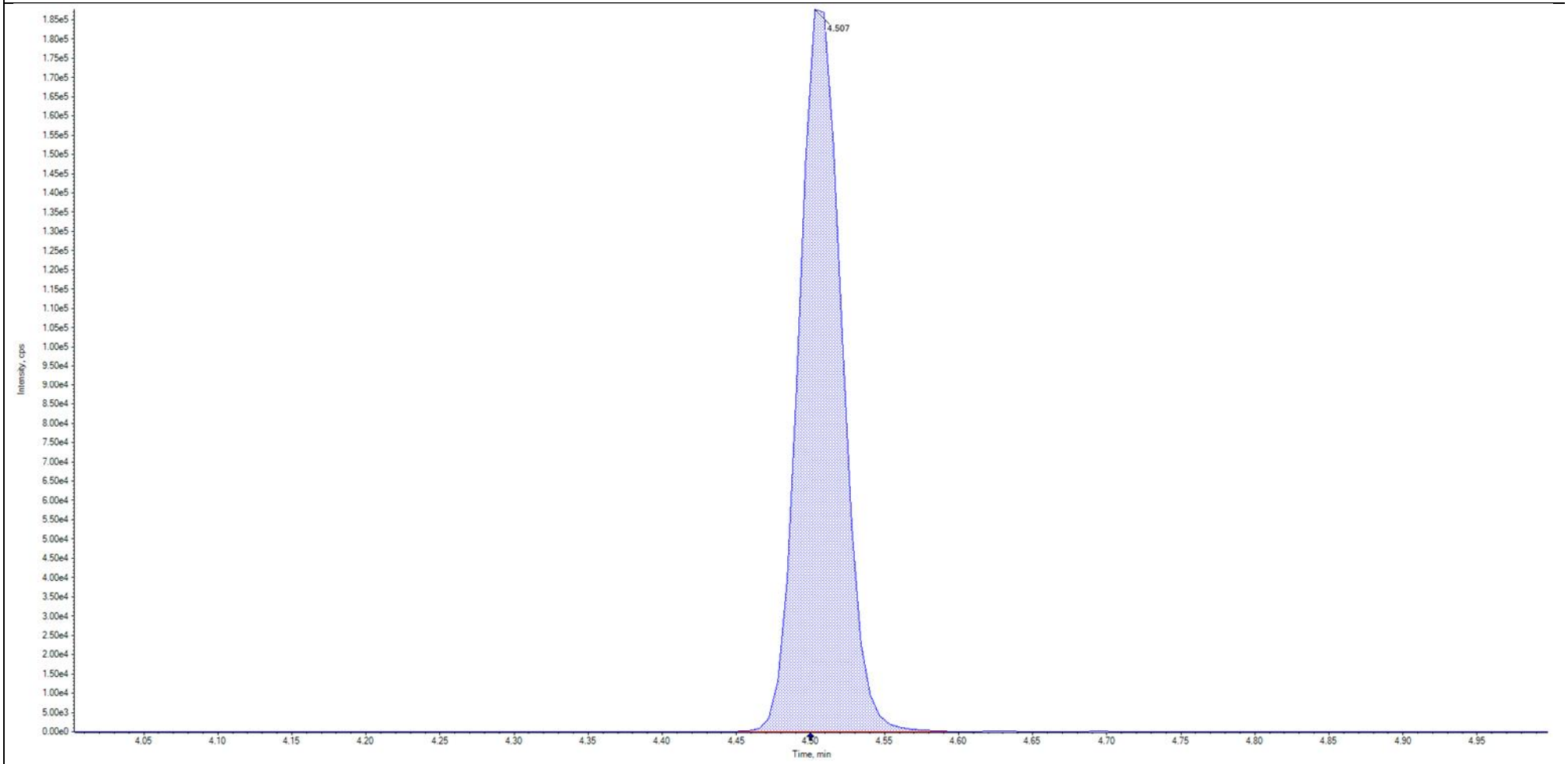
13C9-PFNA
Sample: IA1633STD-12.5



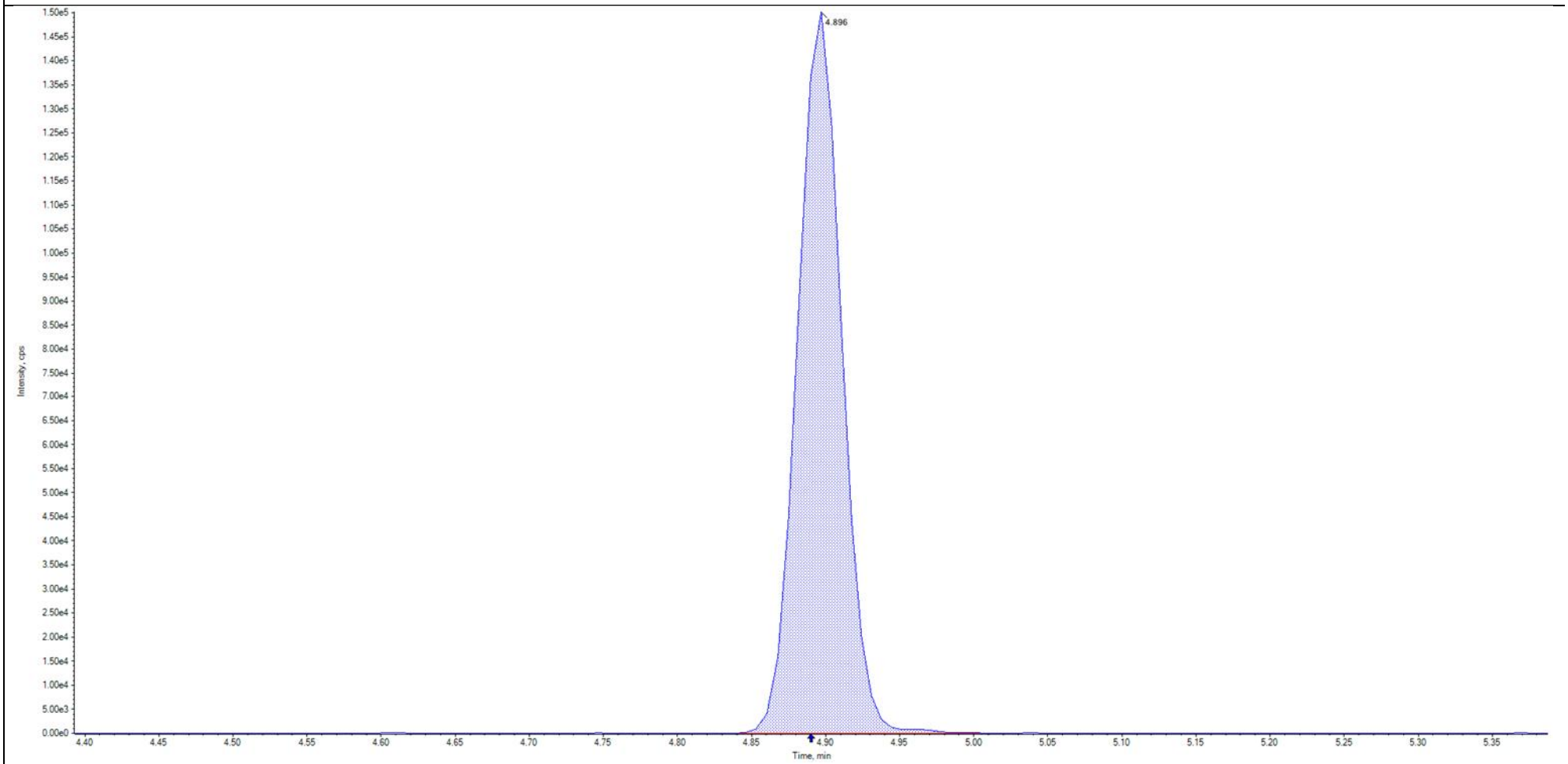
13C6-PFDA
Sample: IA1633STD-12.5



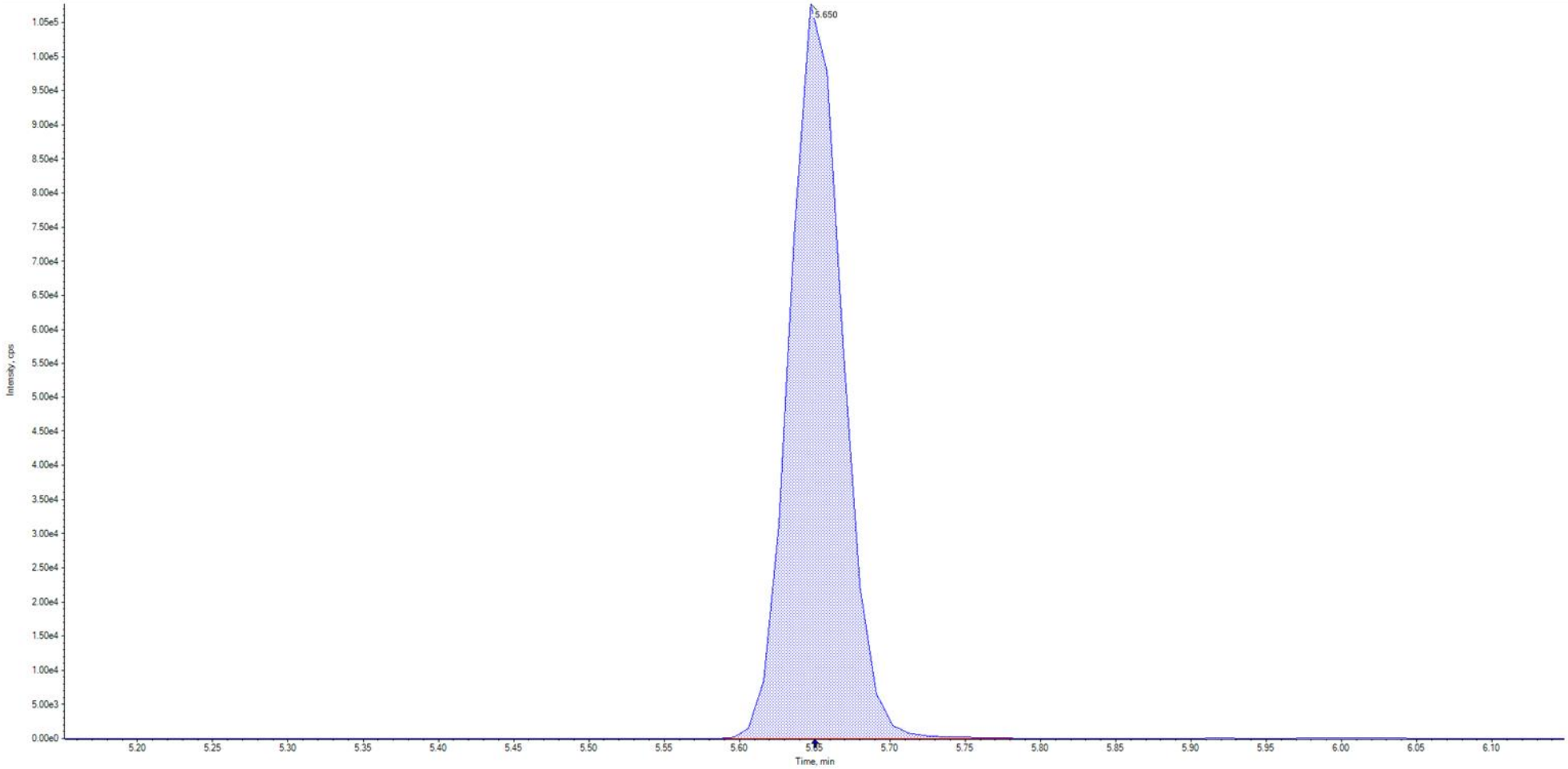
13C7-PFUnA
Sample: IA1633STD-12.5



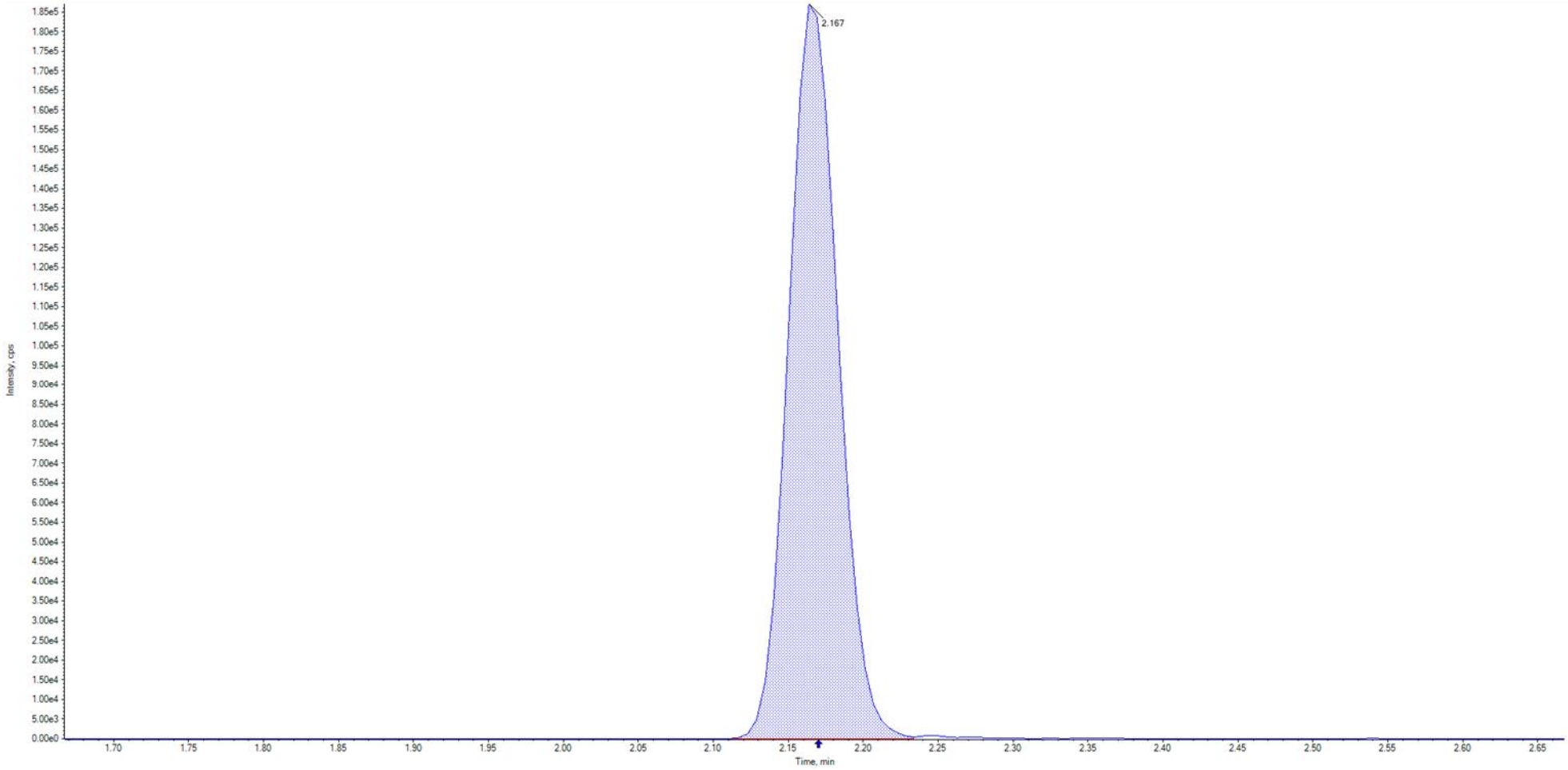
13C2-PFDoA
Sample: IA1633STD-12.5



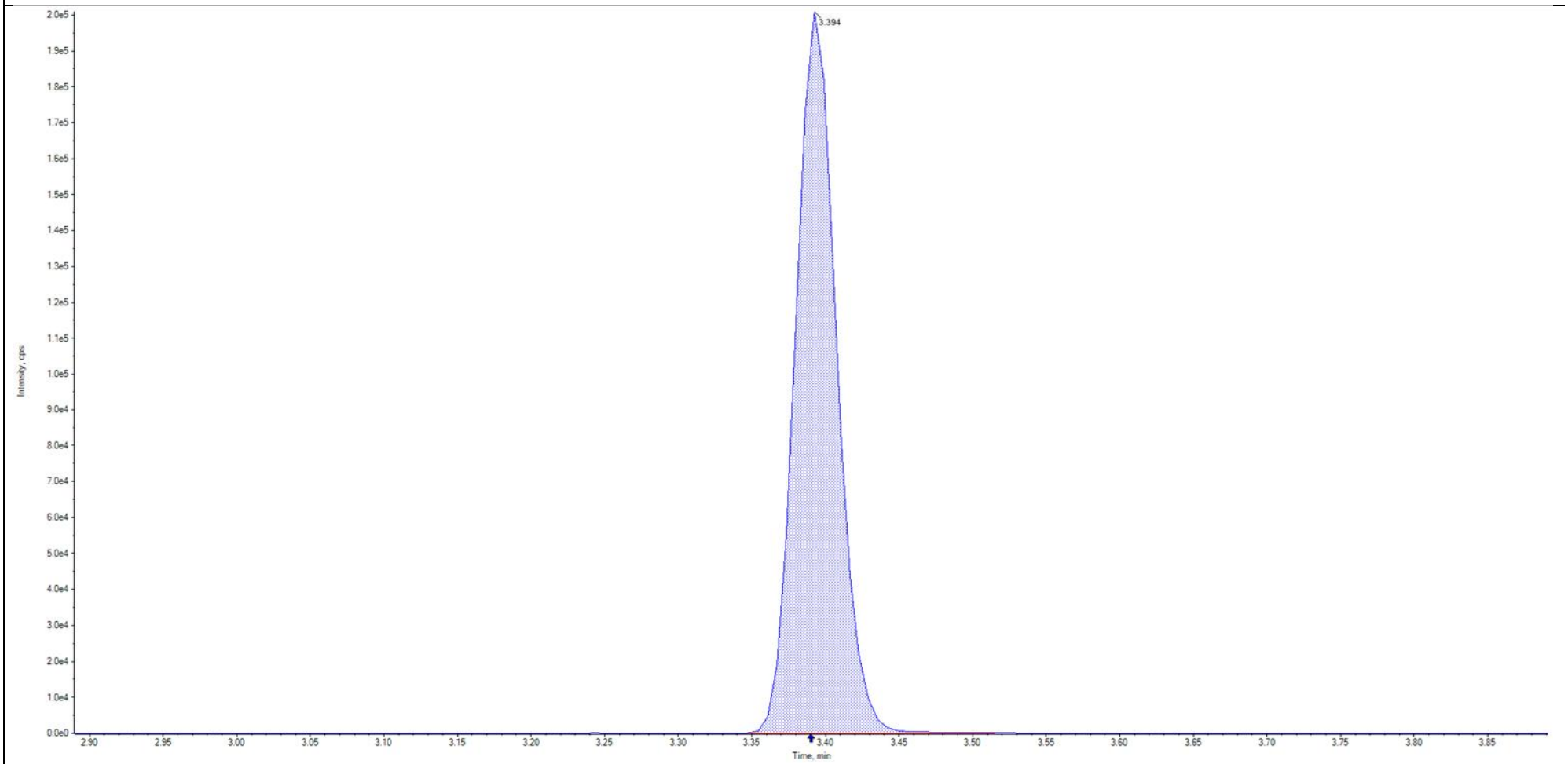
13C2-PFTeDA
Sample: IA1633STD-12.5



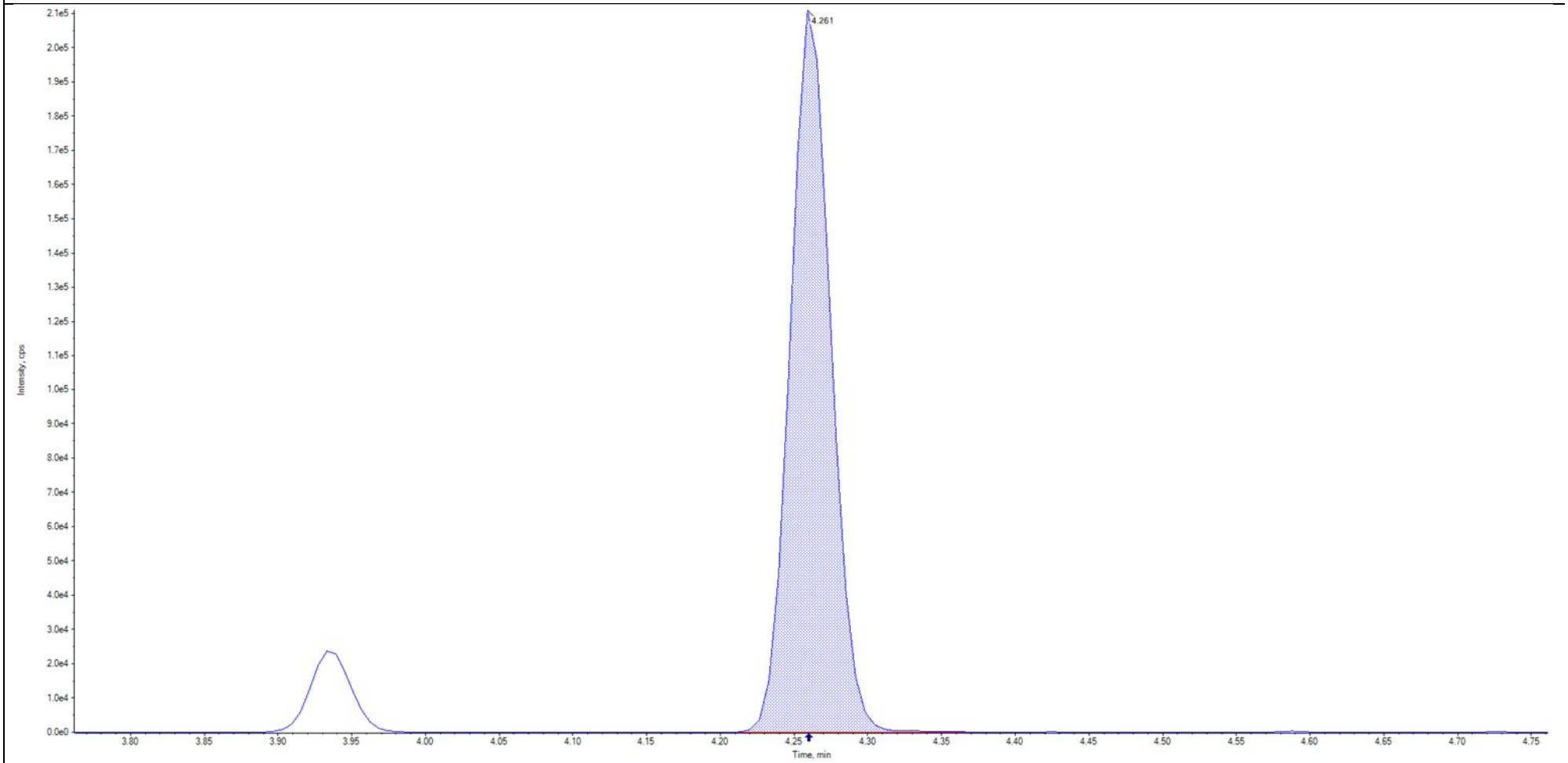
13C3-PFBS
Sample: IA1633STD-12.5



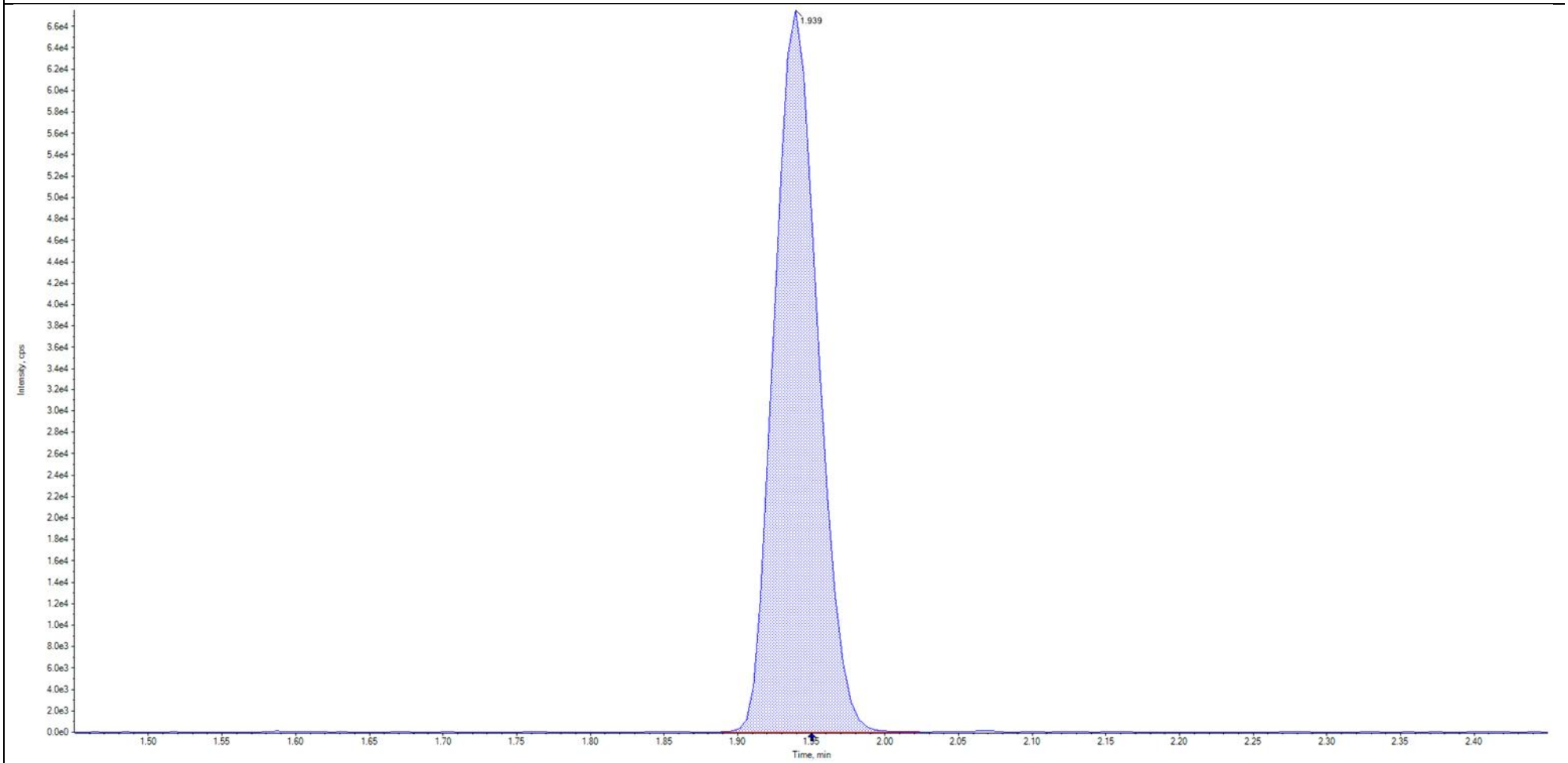
13C3-PFHxS
Sample: IA1633STD-12.5



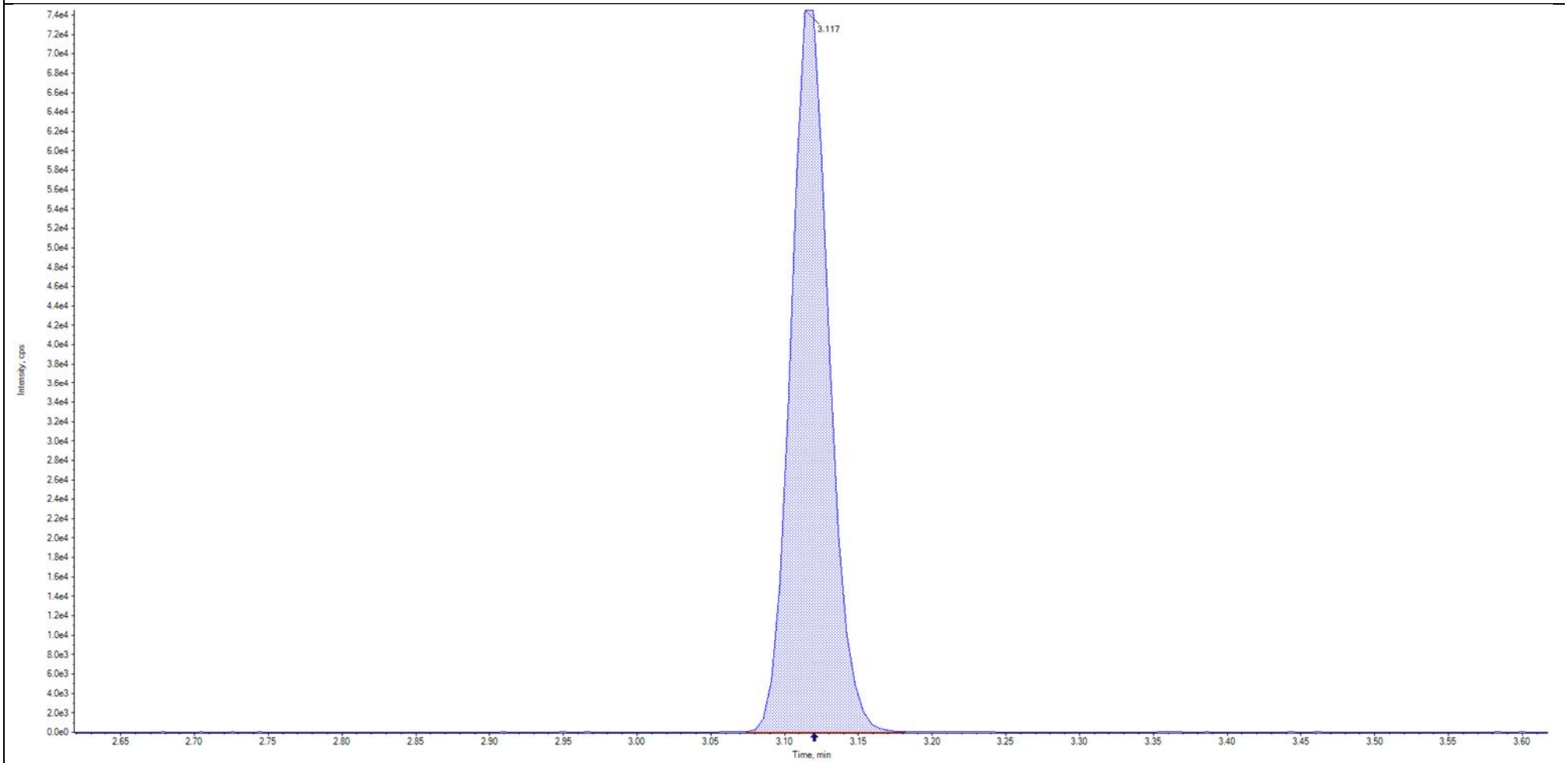
13C8-PFOS
Sample: IA1633STD-12.5



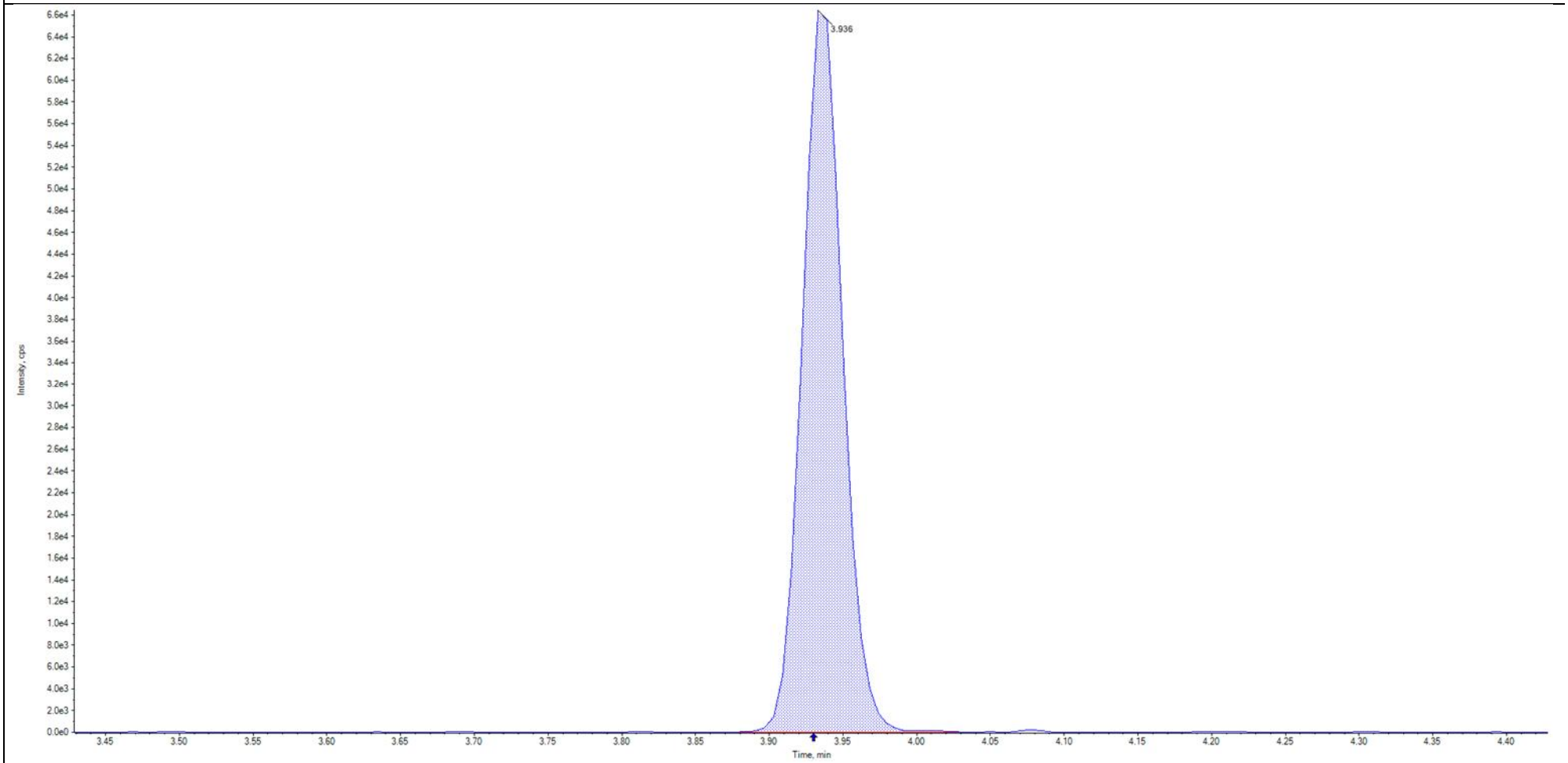
13C2-4:2FTS
Sample: IA1633STD-12.5



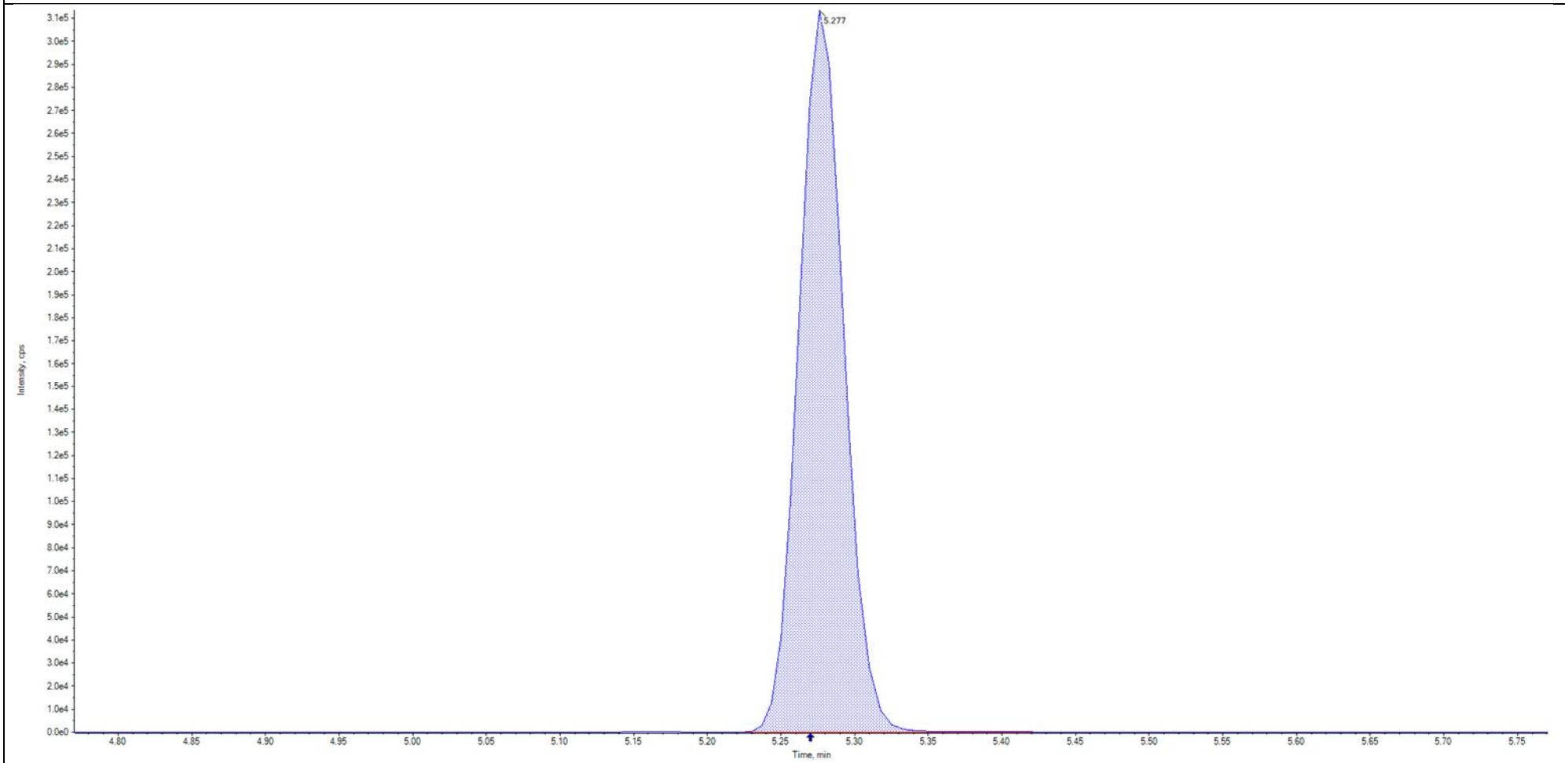
13C2-6:2FTS
Sample: IA1633STD-12.5



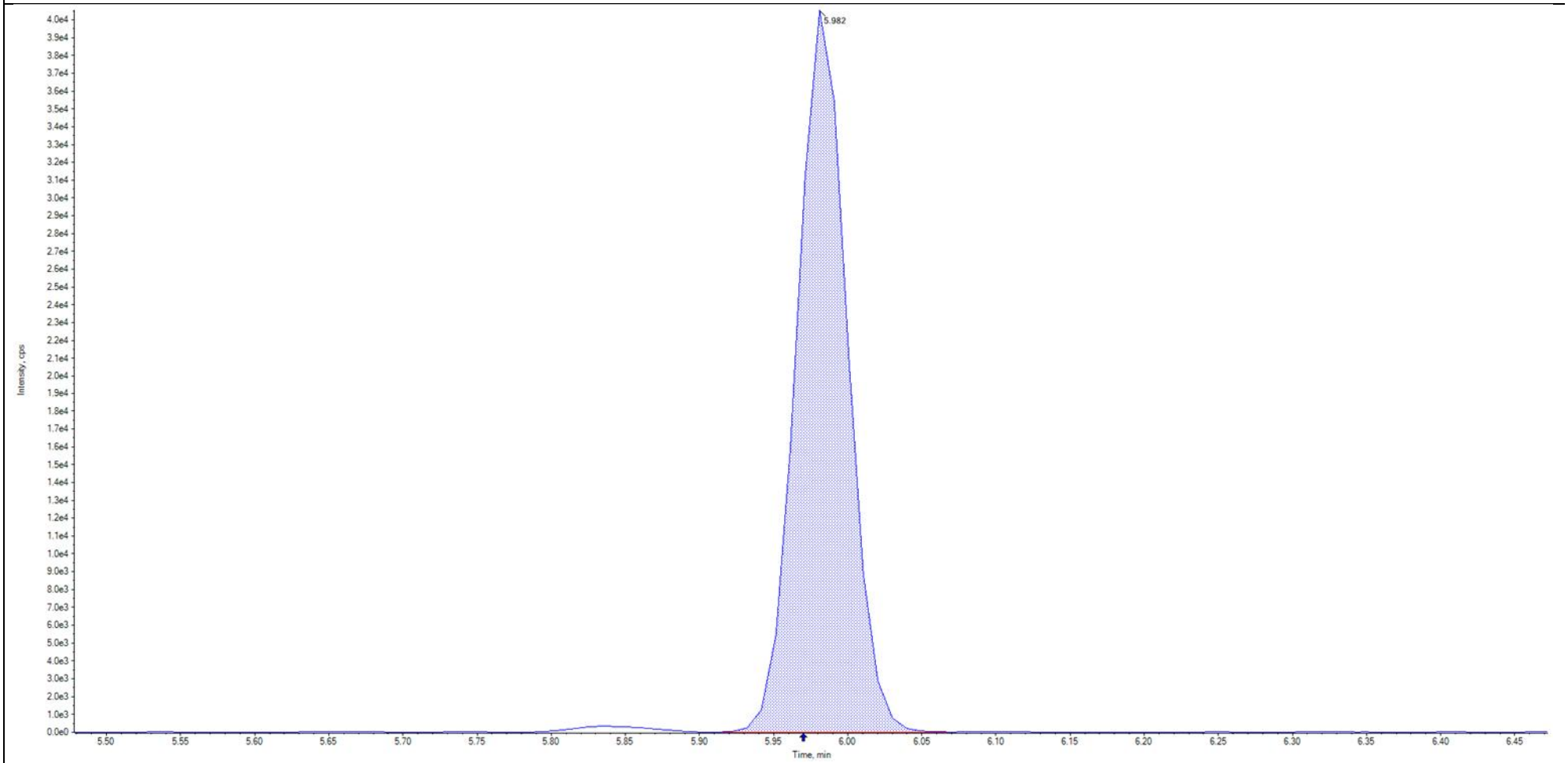
13C2-8:2FTS
Sample: IA1633STD-12.5



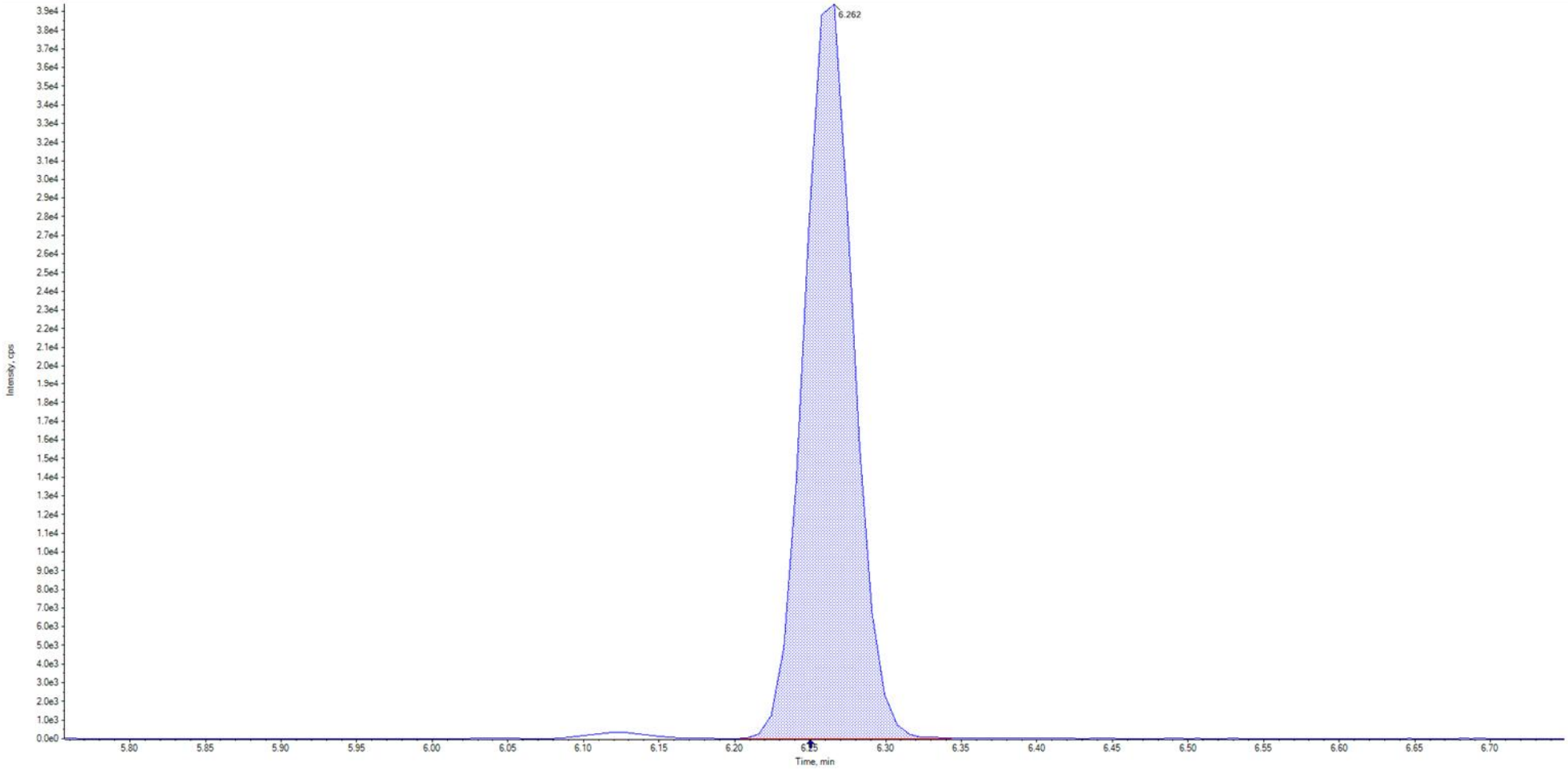
13C8-PFOSA
Sample: IA1633STD-12.5



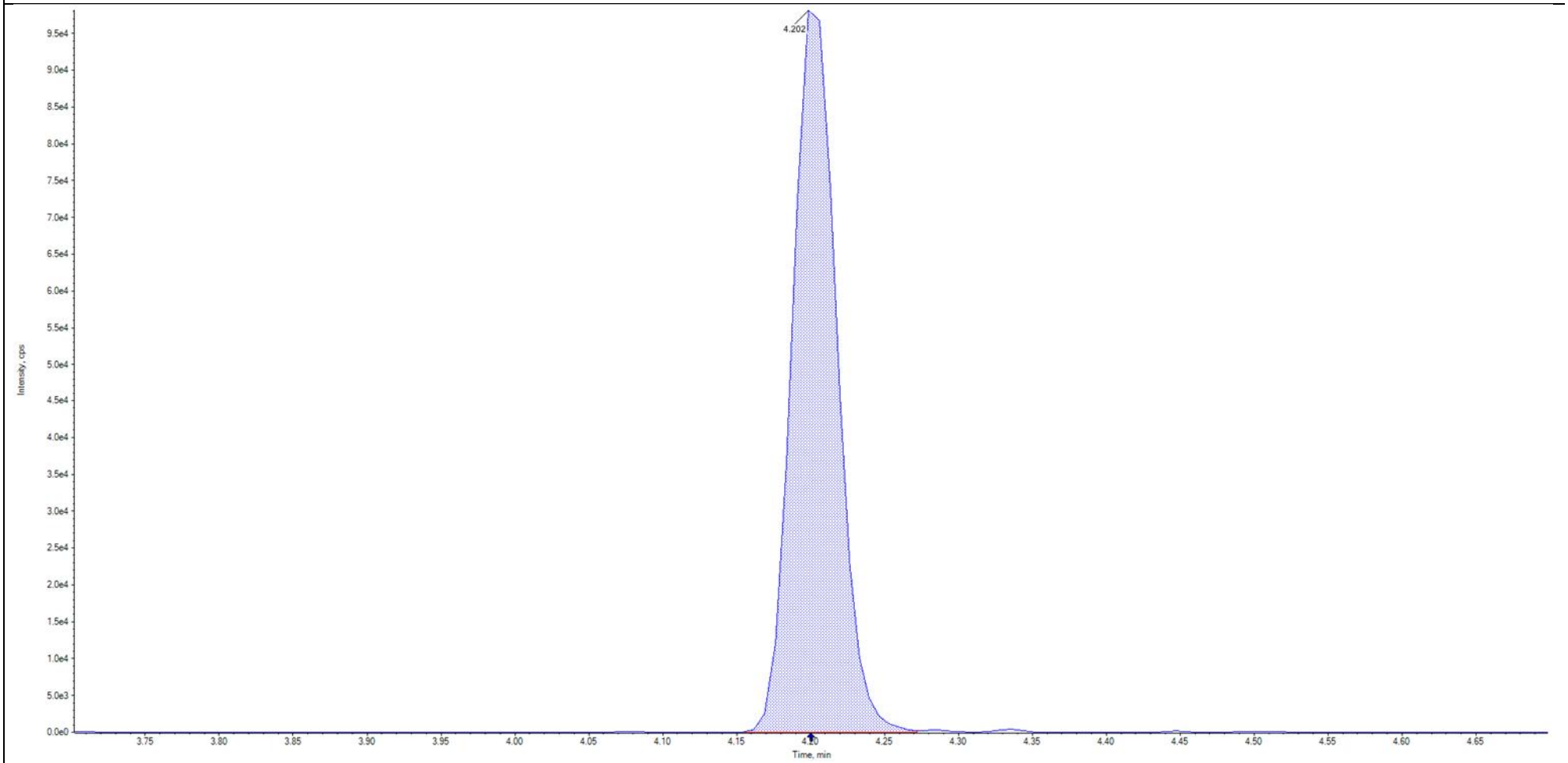
d3-NMeFOSA
Sample: IA1633STD-12.5



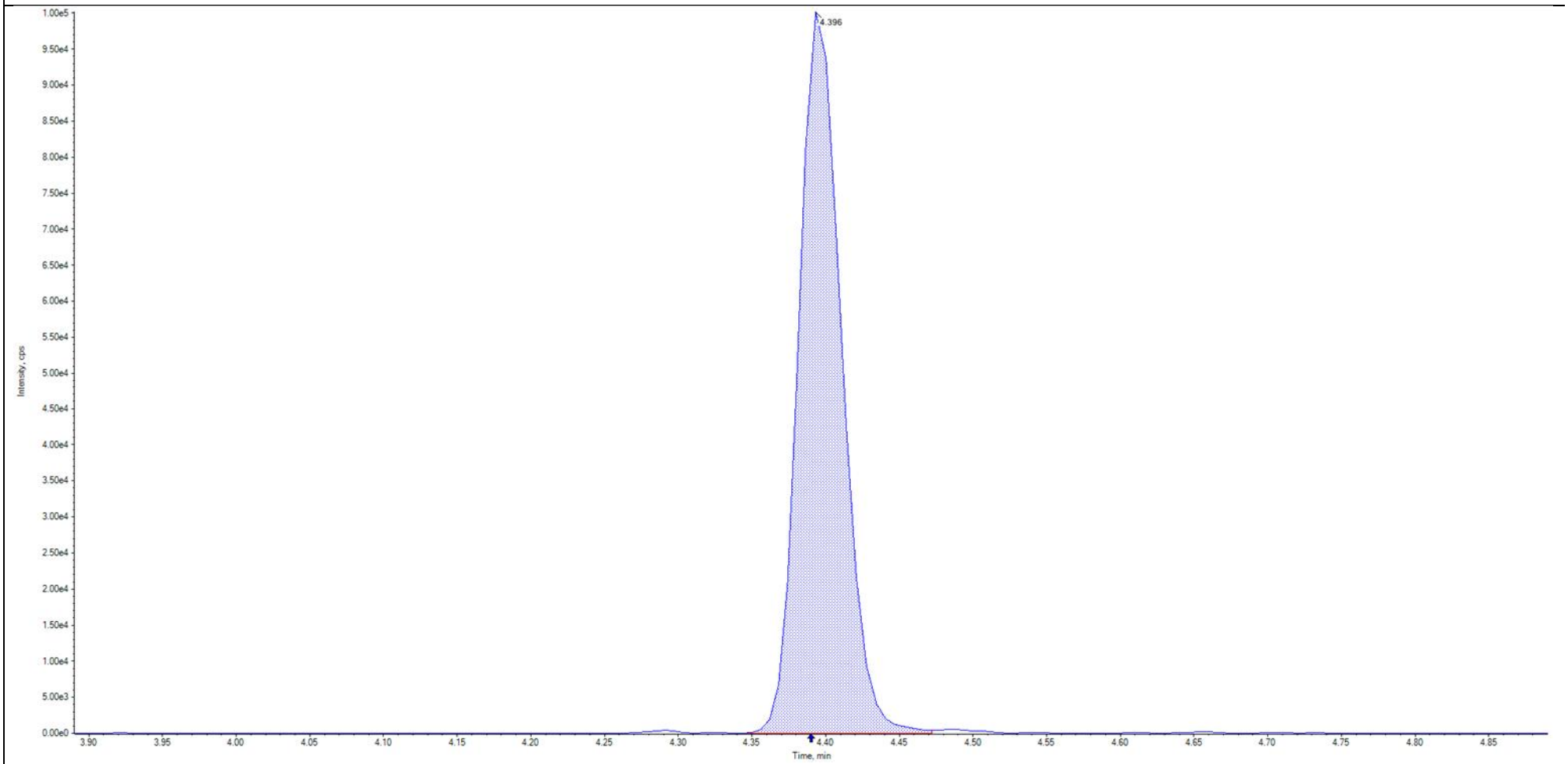
d5-NEtFOSA
Sample: IA1633STD-12.5



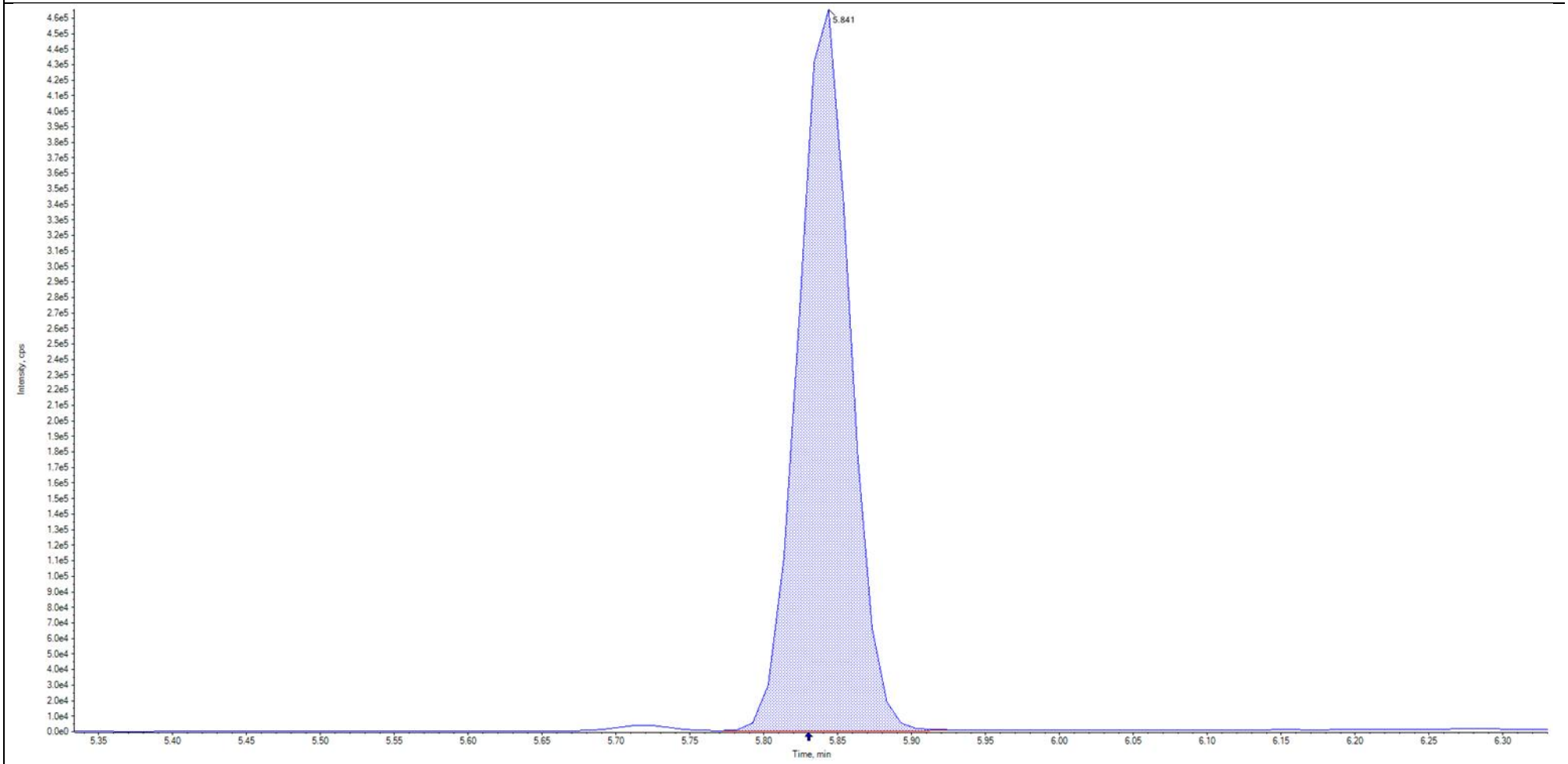
d3-NMeFOSAA
Sample: IA1633STD-12.5



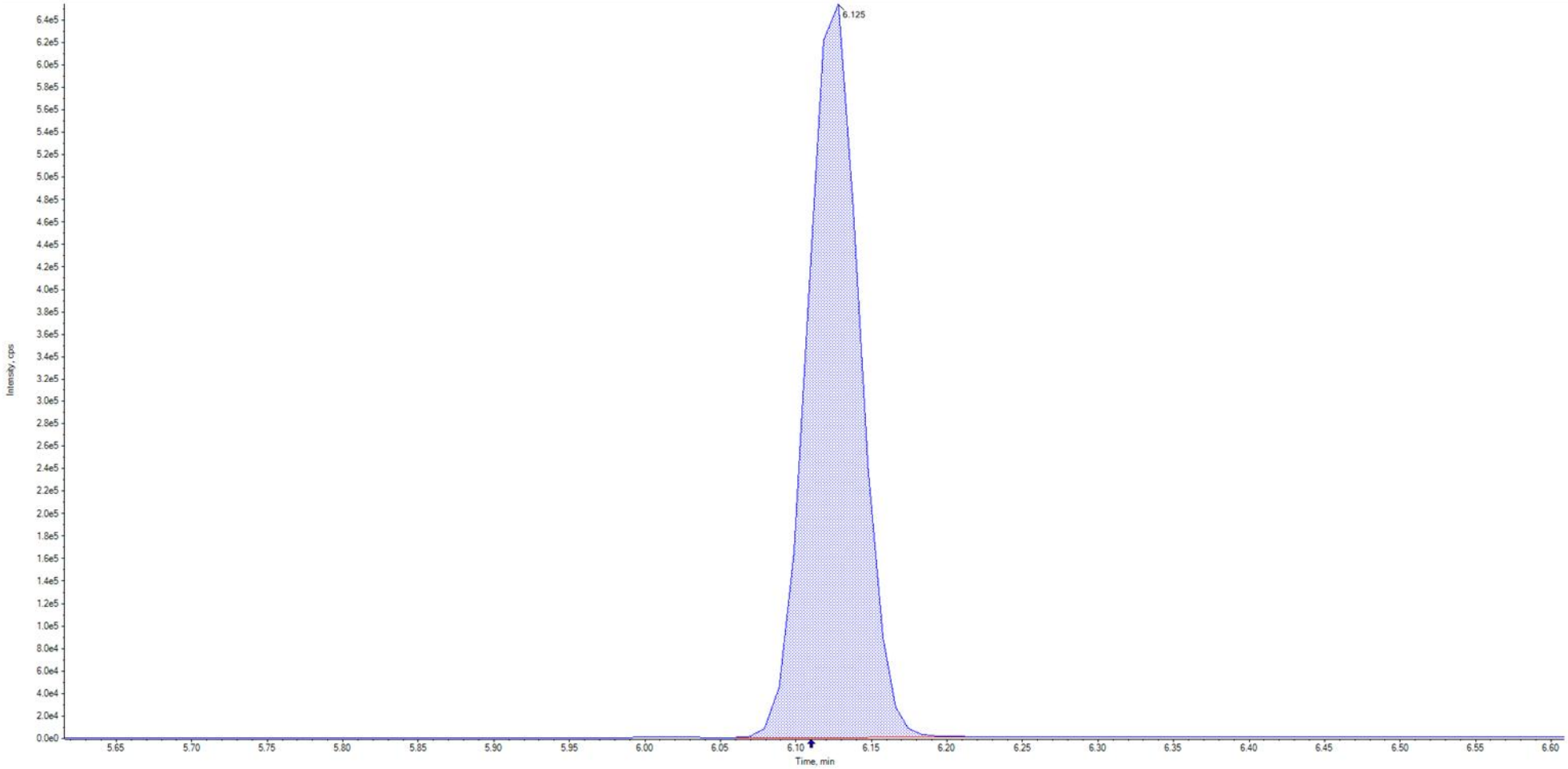
d5-NEtFOSAA
Sample: IA1633STD-12.5



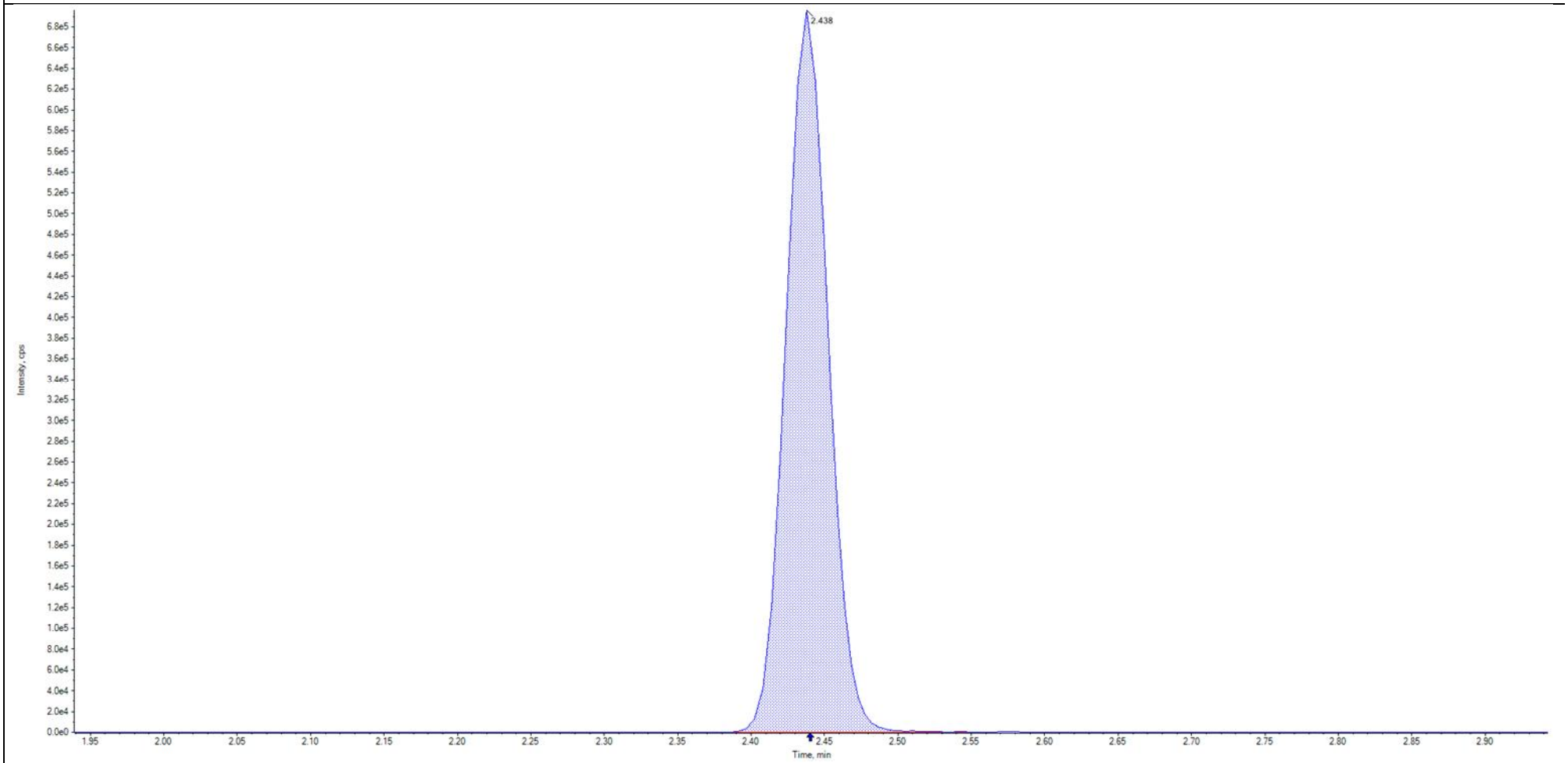
d7-NMeFOSE
Sample: IA1633STD-12.5



d9-NEtFOSE
Sample: IA1633STD-12.5



13C3-HFPO-DA
Sample: IA1633STD-12.5



13C3-PFBA
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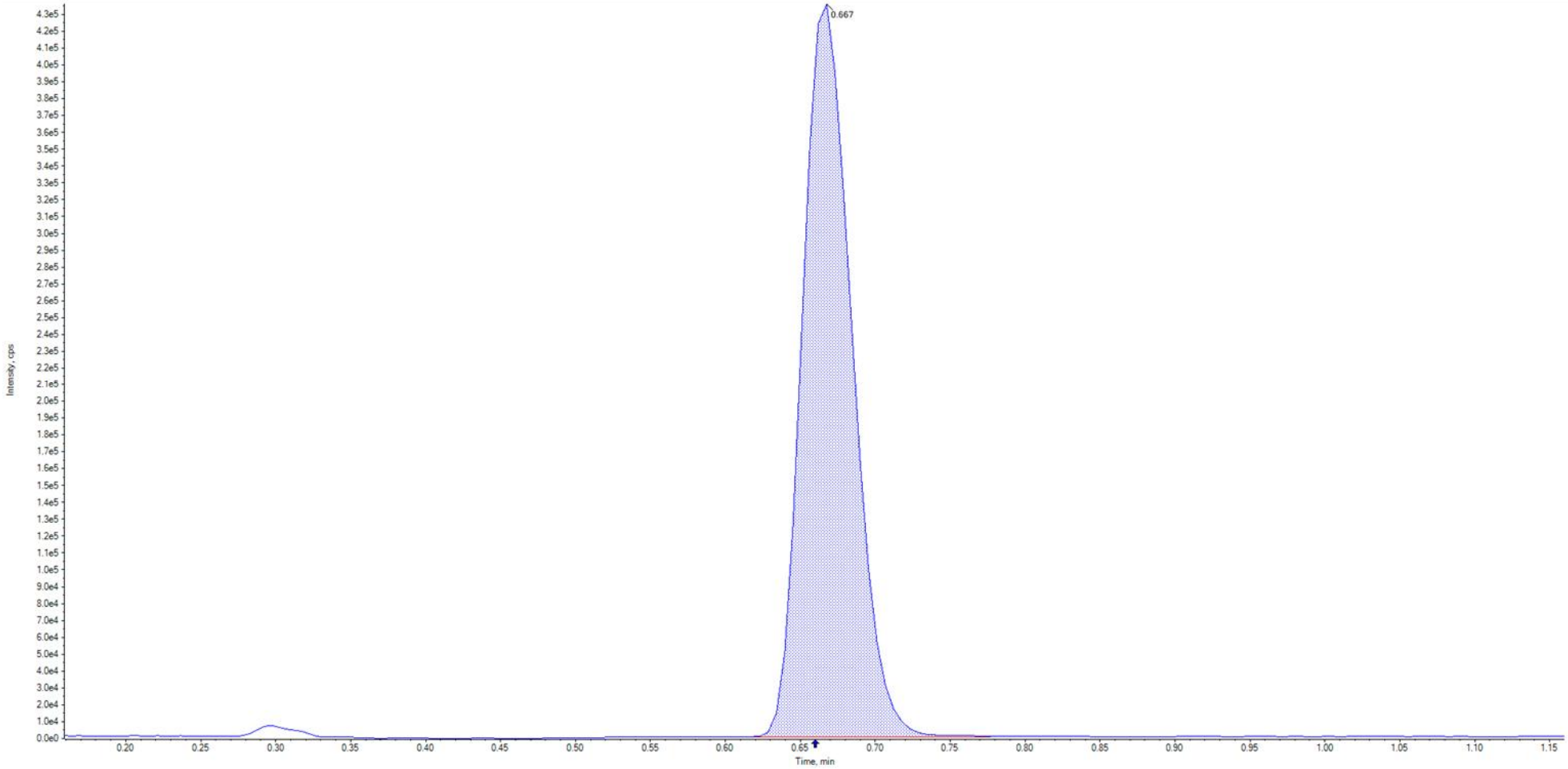
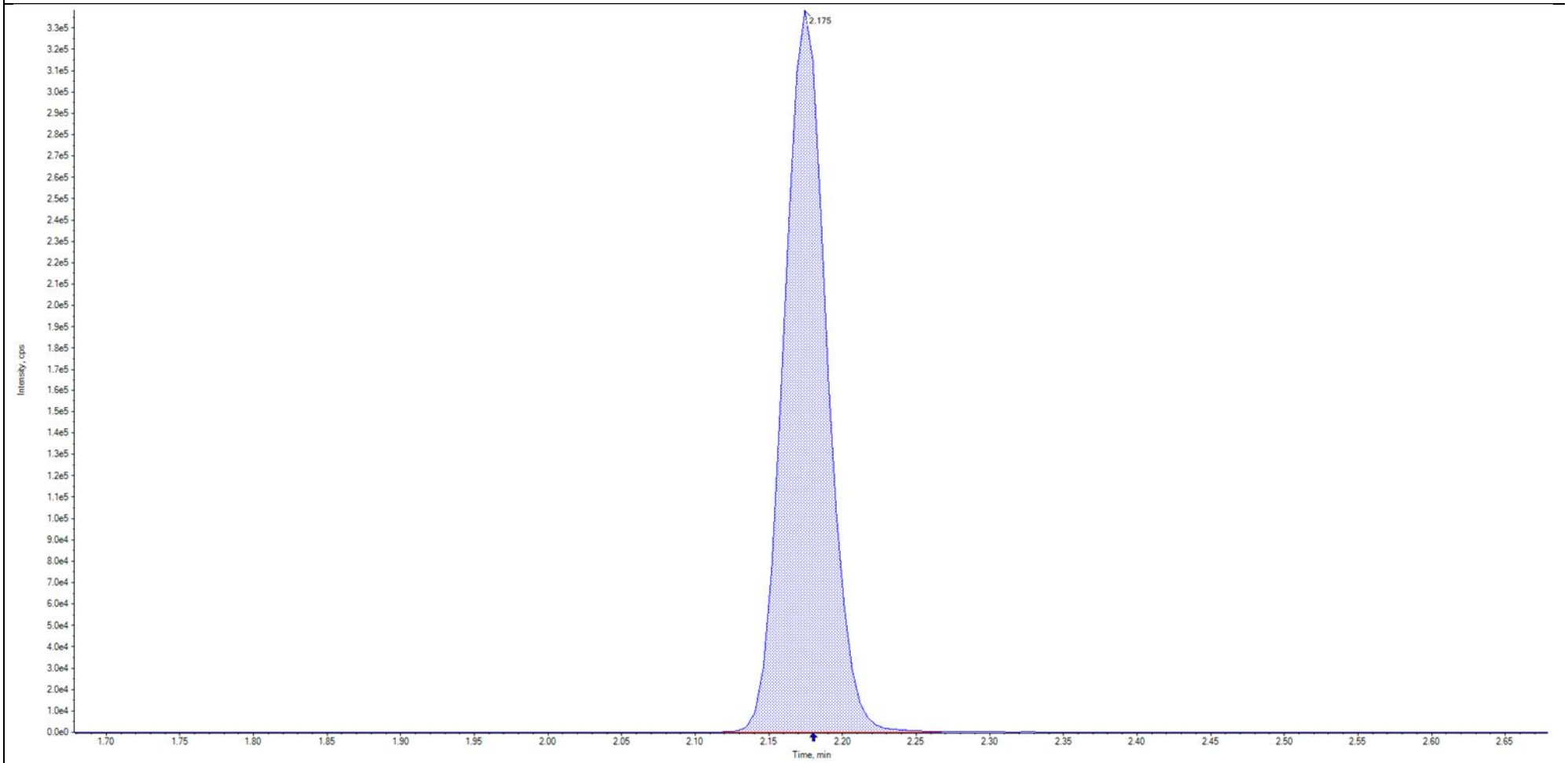
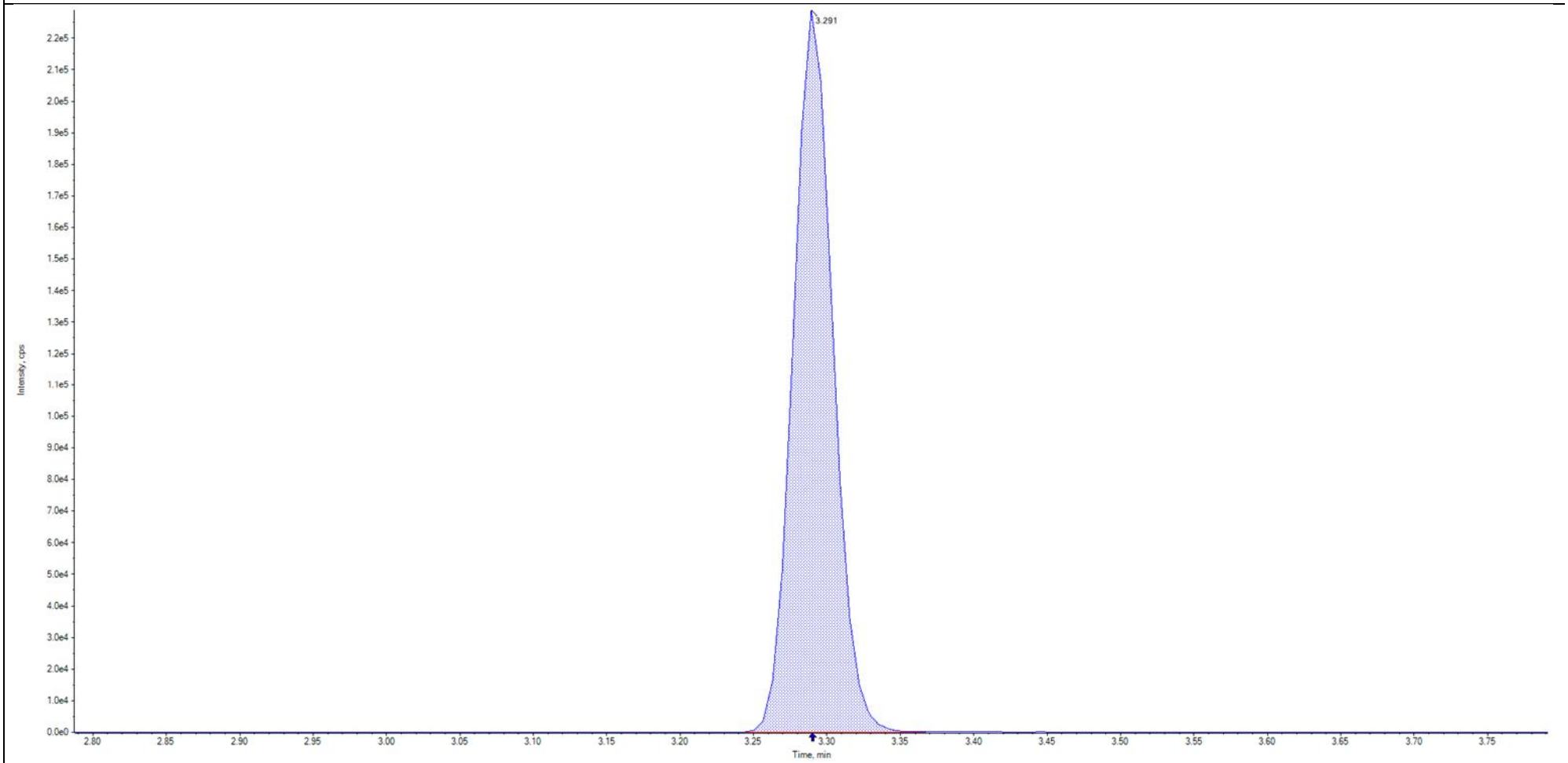


13C2-PFHxA
Sample: IA1633STD-12.5



13C4-PFOA
Sample: IA1633STD-12.5



13C5-PFNA
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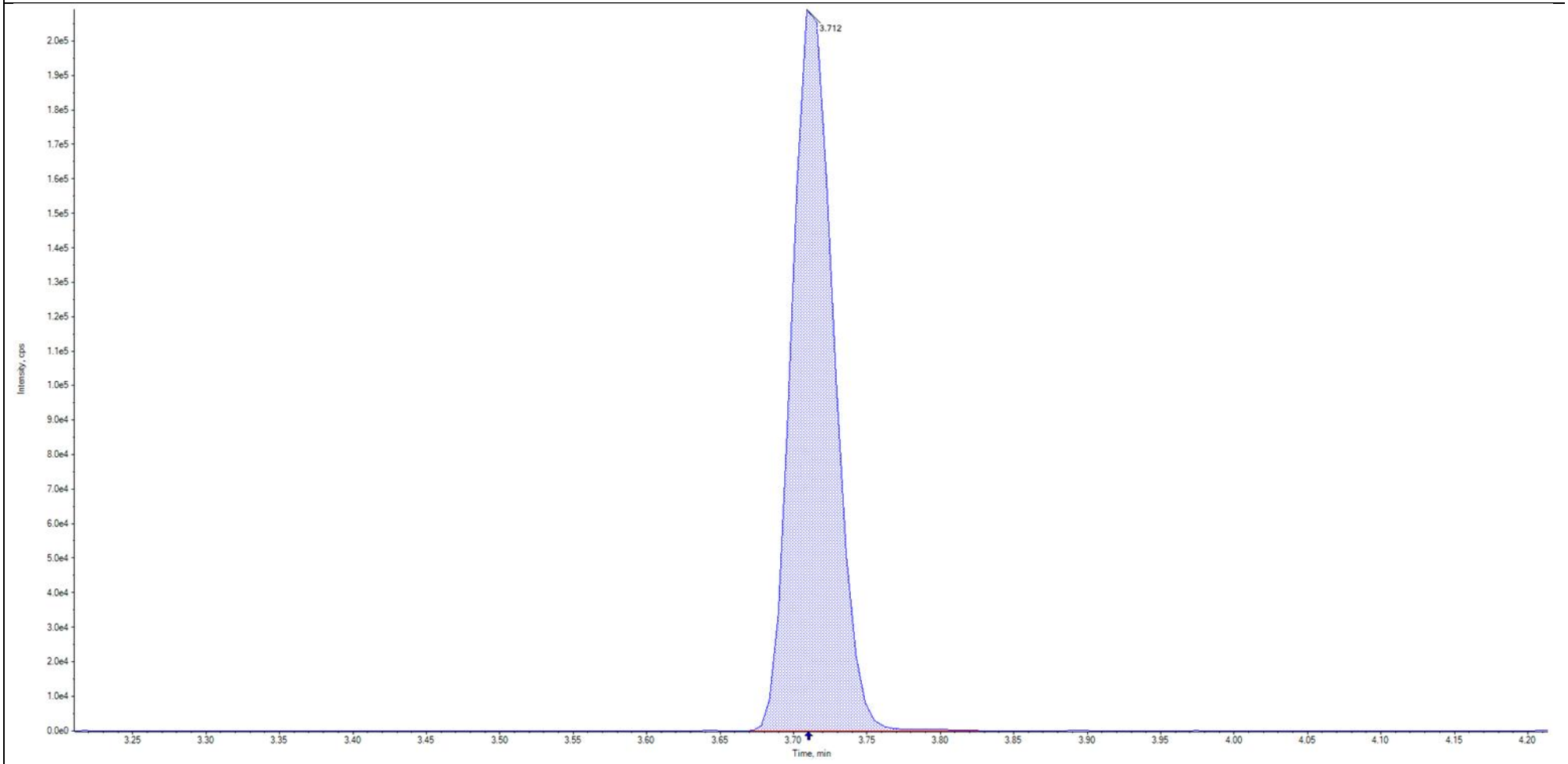
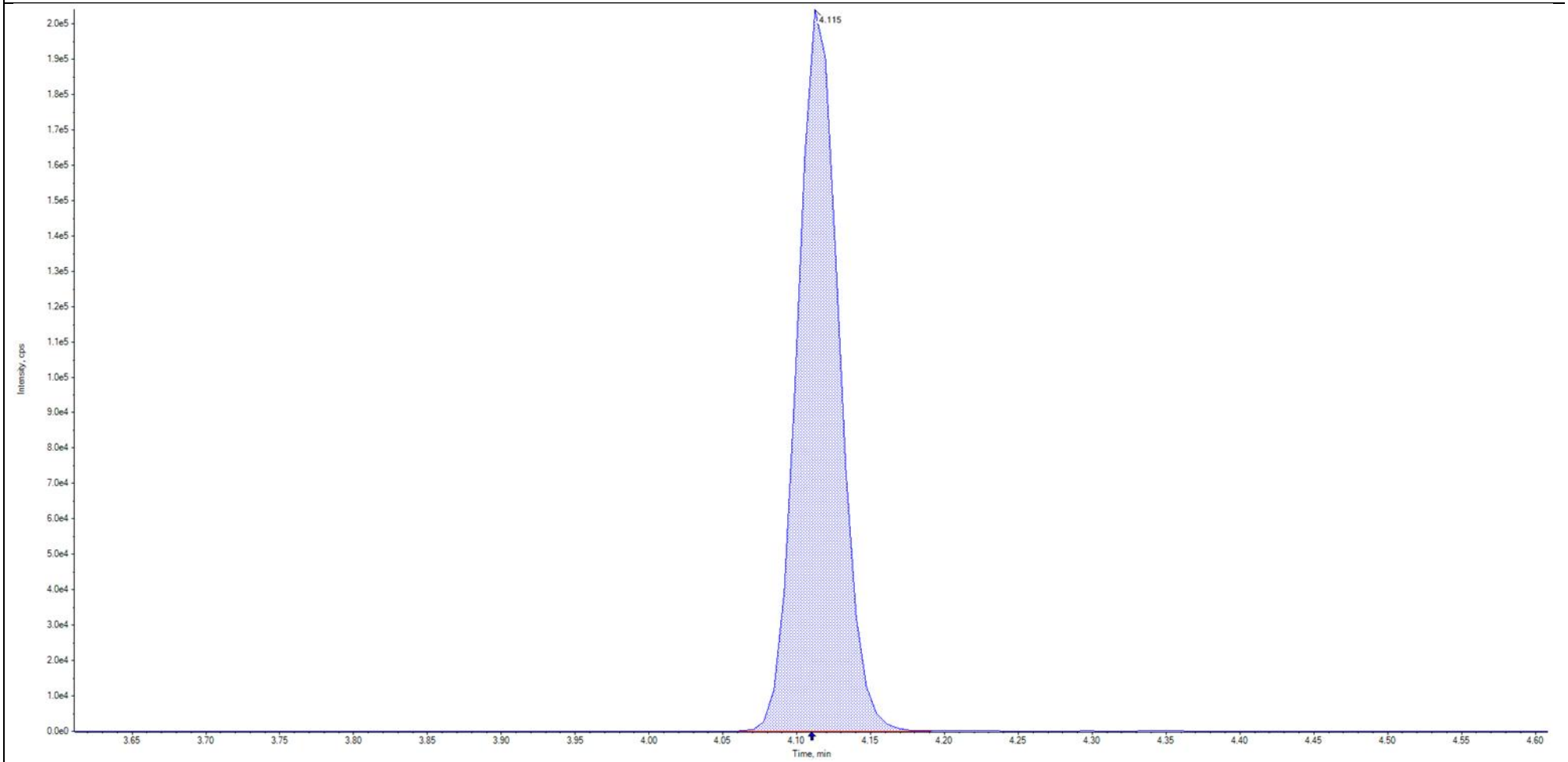
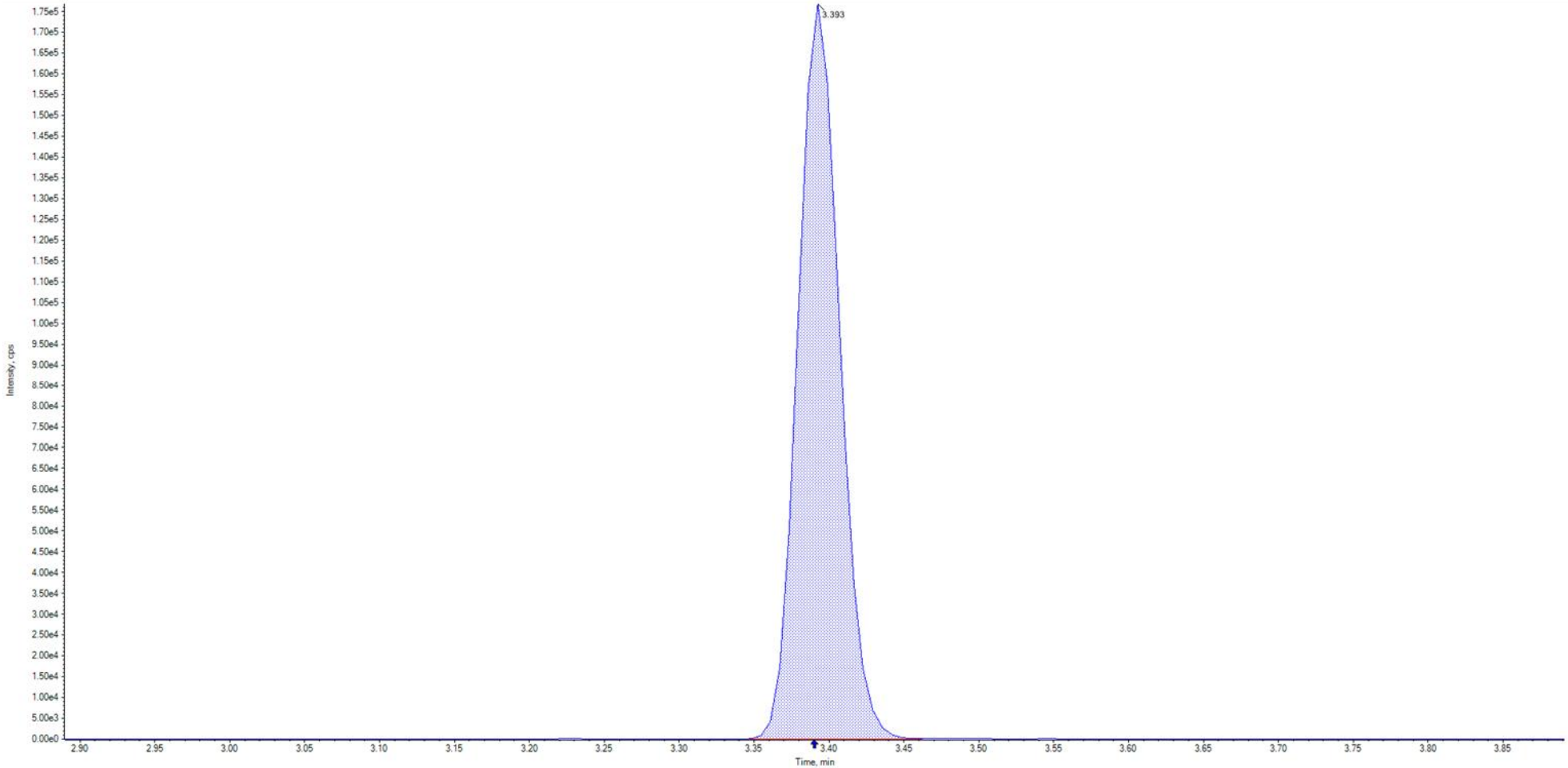


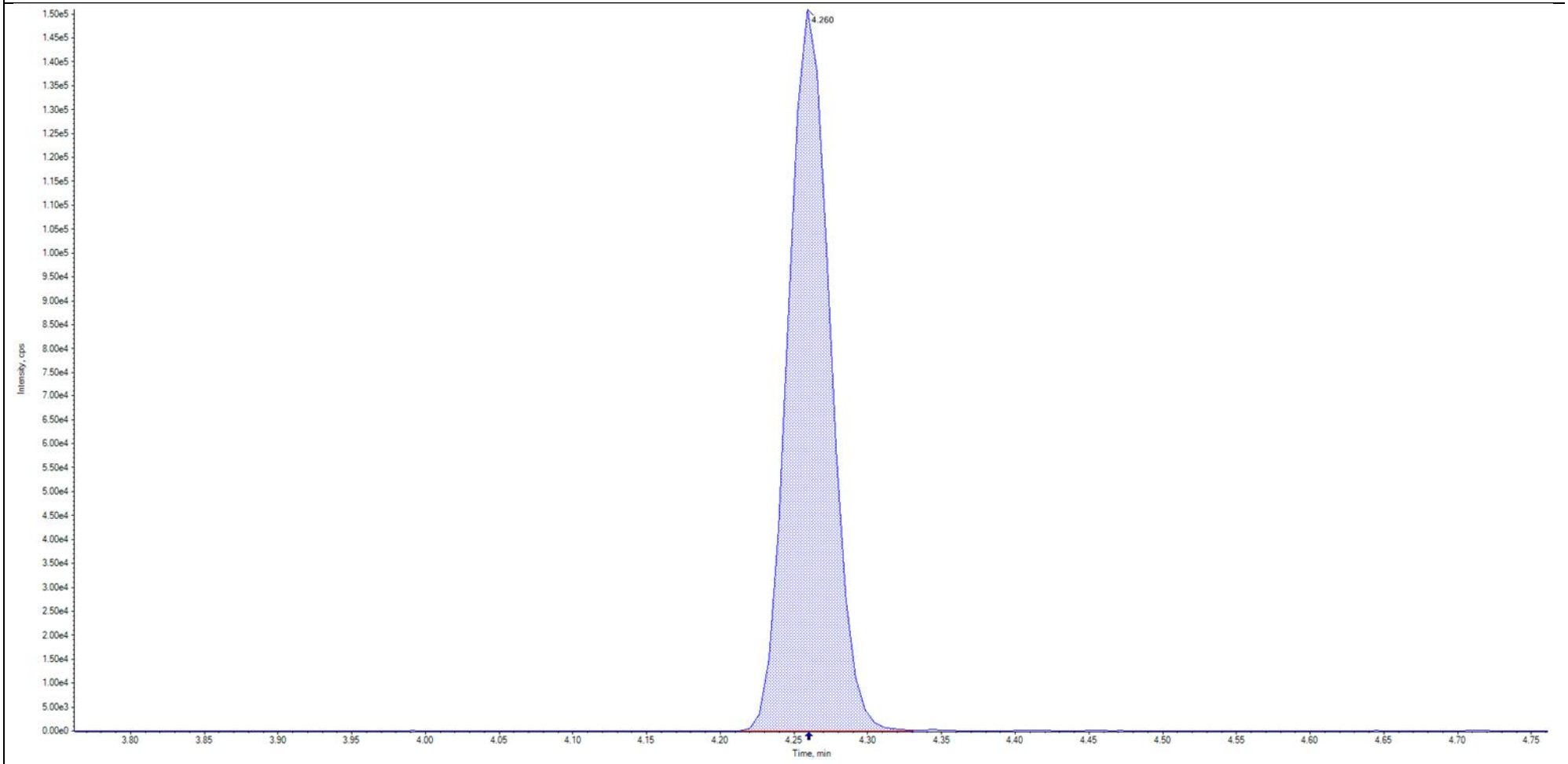
13C2-PFDA
Sample: IA1633STD-12.5



18O2-PFHxS
Sample: IA1633STD-12.5



13C4-PFOS
Sample: IA1633STD-12.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_12.wiff2_5
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

Method: EPA1633F.qmethod
Calibration: 241115_EPA1633_ICAL

ID: IA1633STD-25
Name: SCI05_241115_13.wiff2
Date & Time: 2024-11-15T13:54:34
Description: WG1997639,,EPA1633F_241008_L7
Instrument: SCIEX Triple Quad 5500+
User: LCMS05:PNB

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.65	213.0 / 169.0	18020772		105.670	N/A	N/A	N/A	105.7
2	PFPeA	2706-90-3	1.33	263.0 / 219.0	9771493		53.438	0.007	N/A	N/A	106.9
3	PFPeA_2	2706-90-3	1.33	263.0 / 68.9	68773		50.673	0.007	N/A	N/A	101.4
4	PFHxA	307-24-4	2.16	313.0 / 269.0	7393103		26.118	0.076	0.089	Pass	104.5
5	PFHxA_2	307-24-4	2.16	313.0 / 119.0	561215		26.859	0.076	0.089	Pass	107.4
6	PFHpA	375-85-9	2.82	363.1 / 319.0	8059448		26.427	0.329	0.332	Pass	105.7
7	PFHpA_2	375-85-9	2.82	363.1 / 169.0	2654701		27.153	0.329	0.332	Pass	108.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.28	413.1 / 369.1	8286077	M5	25.745	0.374	0.369	Pass	103.0
9	PFOA_2	335-67-1	3.28	413.1 / 169.0	3102849	M5	26.112	0.374	0.369	Pass	104.5
10	PFNA	375-95-1	3.70	462.8 / 418.9	7511417	M5	25.032	0.303	0.303	Pass	100.1
11	PFNA_2	375-95-1	3.70	462.8 / 219.0	2274659	M5	25.405	0.303	0.303	Pass	101.6
12	PFDA	335-76-2	4.10	513.1 / 469.1	6977600		26.432	0.163	0.162	Pass	105.7
13	PFDA_2	335-76-2	4.10	513.1 / 219.0	1134701		26.036	0.163	0.162	Pass	104.1
14	PFUnA	2058-94-8	4.50	563.1 / 519.1	5869750		27.415	0.192	0.199	Pass	109.7
15	PFUnA_2	2058-94-8	4.50	563.1 / 269.0	1126430		27.116	0.192	0.199	Pass	108.5
16	PFDoA	307-55-1	4.89	613.1 / 569.1	6052061		25.936	0.188	0.180	Pass	103.7
17	PFDoA_2	307-55-1	4.89	613.1 / 319.0	1140718		26.431	0.188	0.180	Pass	105.7
18	PFTrDA	72629-94-8	5.27	663.1 / 619.1	5881961		25.420	0.163	0.160	Pass	101.7
19	PFTrDA_2	72629-94-8	5.27	663.1 / 169.0	956850		25.682	0.163	0.160	Pass	102.7
20	PFTeDA	376-06-7	5.65	713.1 / 669.1	6523121		26.477	0.148	0.149	Pass	105.9
21	PFTeDA_2	376-06-7	5.64	713.1 / 169.0	963414		26.796	0.148	0.149	Pass	107.2
22	PFBS	375-73-5	2.15	299.1 / 80.1	4175695		24.246	0.430	0.388	Pass	109.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.15	299.1 / 99.1	1796907		26.255	0.430	0.388	Pass	118.3
24	PFPeS	2706-91-4	2.88	349.1 / 80.1	4530718		24.615	0.287	0.297	Pass	104.8
25	PFPeS_2	2706-91-4	2.88	349.1 / 99.1	1299279		24.315	0.287	0.297	Pass	103.5
26	PFHxS	355-46-4	3.38	399.1 / 80.1	3854309	M5	23.224	0.305	0.296	Pass	101.9
27	PFHxS_2	355-46-4	3.38	399.1 / 99.1	1174327		23.010	0.305	0.296	Pass	100.9
28	PFHpS	375-92-8	3.83	449.1 / 80.1	3971788		26.111	0.269	0.258	Pass	109.7
29	PFHpS_2	375-92-8	3.83	449.1 / 99.1	1069389		26.721	0.269	0.258	Pass	112.3
30	PFOS	1763-23-1	4.25	499.1 / 80.1	4109334	M5	24.482	0.227	0.233	Pass	105.5
31	PFOS_2	1763-23-1	4.25	499.1 / 99.1	930930	M5	24.862	0.227	0.233	Pass	107.2
32	PFNS	68259-12-1	4.66	549.1 / 80.1	2838748		25.693	0.291	0.296	Pass	107.1
33	PFNS_2	68259-12-1	4.66	549.1 / 99.1	825710		25.520	0.291	0.296	Pass	106.3
34	PFDS	335-77-3	5.05	599.1 / 80.1	2807815		25.831	0.274	0.272	Pass	107.2
35	PFDS_2	335-77-3	5.05	599.1 / 99.1	769449		25.268	0.274	0.272	Pass	104.9
36	PFDoS	79780-39-5	5.80	699.2 / 80.1	2711924		27.222	0.255	0.263	Pass	112.5
37	PFDoS_2	79780-39-5	5.80	699.2 / 99.1	691547		26.451	0.255	0.263	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	1.92	327.1 / 307.1	5256678		91.073	0.590	0.559	Pass	97.2
39	4:2FTS_2	757124-72-4	1.92	327.1 / 81.1	3100079		95.160	0.590	0.559	Pass	101.6
40	6:2FTS	27619-97-2	3.11	427.2 / 407.2	4545177		101.621	0.608	0.593	Pass	106.9
41	6:2FTS_2	27619-97-2	3.11	427.2 / 81.1	2762882		99.529	0.608	0.593	Pass	104.7
42	8:2FTS	39108-34-4	3.92	527.2 / 507.2	2804271		97.249	0.777	0.759	Pass	101.3
43	8:2FTS_2	39108-34-4	3.92	527.2 / 81.1	2178073		101.722	0.777	0.759	Pass	106.0
44	PFOSA	754-91-6	5.27	498.1 / 78.1	4907309	M5	27.559	0.023	0.023	Pass	110.2
45	PFOSA_2	754-91-6	5.27	498.1 / 478.0	115115	M5	27.306	0.023	0.023	Pass	109.2
46	NMeFOSA	31506-32-8	5.98	512.2 / 219.0	1125025	M5	28.106	1.390	1.457	Pass	112.4
47	NMeFOSA_2	31506-32-8	5.92	512.2 / 169.0	1563291		26.892	1.390	1.457	Pass	107.6
48	NEtFOSA	4151-50-2	6.26	526.2 / 219.0	1090896		27.675	1.302	1.309	Pass	110.7
49	NEtFOSA_2	4151-50-2	6.23	526.2 / 169.0	1420060		27.456	1.302	1.309	Pass	109.8
50	NMeFOSAA	2355-31-9	4.19	570.2 / 419.1	870588		24.694	0.722	0.804	Pass	98.8
51	NMeFOSAA_2	2355-31-9	4.19	570.2 / 483.0	628449	M5	23.357	0.722	0.804	Pass	93.4
52	NEtFOSAA	2991-50-6	4.39	584.2 / 419.1	1084897		28.118	0.416	0.419	Pass	112.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.39	584.2 / 526.2	451353	M5	26.538	0.416	0.419	Pass	106.2
54	NMeFOSE	24448-09-7	5.85	616.1 / 58.9	33544675	M5	270.712	N/A	N/A	N/A	108.3
55	NEtFOSE	1691-99-2	6.13	630.0 / 58.9	53763421		267.273	N/A	N/A	N/A	106.9
56	HFPO-DA	13252-13-6	2.43	285.0 / 169.0	13705845		106.876	0.615	0.685	Pass	106.9
57	HFPO-DA_2	13252-13-6	2.43	285.0 / 184.9	8427684		100.392	0.615	0.685	Pass	100.4
58	ADONA	919005-14-4	3.00	376.9 / 251.0	25503901		97.068	1.018	0.884	Pass	102.7
59	ADONA_2	919005-14-4	3.00	376.9 / 84.8	25952120		98.189	1.018	0.884	Pass	103.9
60	9Cl-PF3ONS	756426-58-1	4.53	530.8 / 351.1	34359494		94.903	0.318	0.325	Pass	101.7
61	9Cl-PF3ONS_2	756426-58-1	4.53	532.8 / 353.0	10923430		92.519	0.318	0.325	Pass	99.2
62	11Cl-PF3OUdS	763051-92-9	5.31	630.9 / 451.0	22904661		96.187	0.348	0.338	Pass	102.0
63	11Cl-PF3OUdS_2	763051-92-9	5.31	632.9 / 452.9	7962302		95.302	0.348	0.338	Pass	101.1
64	3:3FTCA	356-02-5	1.70	241.1 / 177.1	1527841		147.571	1.391	1.433	Pass	118.1
65	3:3FTCA_2	356-02-5	1.70	241.1 / 117.0	2125685		133.502	1.391	1.433	Pass	106.8
66	5:3FTCA	914637-49-3	3.23	341.1 / 237.1	42544435		636.261	0.927	0.935	Pass	101.8
67	5:3FTCA_2	914637-49-3	3.23	341.1 / 217.0	39445710		637.368	0.927	0.935	Pass	102.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.18	441.1 / 316.9	34179466		636.144	1.321	1.712	Pass	101.8
69	7:3FTCA_2	812-70-4	4.18	441.1 / 337.1	45135198		630.676	1.321	1.712	Pass	100.9
70	PFEESA	113507-82-7	2.52	315.1 / 135.0	26041769		46.679	0.088	0.084	Pass	104.7
71	PFEESA_2	113507-82-7	2.52	315.1 / 82.9	2279881		47.950	0.088	0.084	Pass	107.5
72	PFMPA	377-73-1	0.83	229.0 / 85.0	12856153		56.270	N/A	N/A	N/A	112.5
73	PFMBA	863090-89-5	1.63	279.0 / 85.0	13775165		52.063	N/A	N/A	N/A	104.1
74	NFDHA	151772-58-6	2.07	295.0 / 201.0	4920969		51.059	0.755	0.781	Pass	102.1
75	NFDHA_2	151772-58-6	2.07	295.0 / 84.9	3714695		50.178	0.755	0.781	Pass	100.4
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.150	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.150	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.91	333.2 / 312.1	181413		4.990	N/A	N/A	N/A	99.8
79	13C2-PFOA	Surr	3.28	415.0 / 370.0	429782		2.672	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	0.65	217.0 / 172.0	2021981		9.869	NA	NA	NA	98.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.33	268.0 / 223.0	1056163		4.785	NA	NA	NA	95.7
	13C5-PFHxA	EIS	2.16	318.0 / 273.0	461757		2.434	NA	NA	NA	97.4
	13C4-PFHpA	EIS	2.82	367.0 / 322.0	320132		2.457	NA	NA	NA	98.3
	13C8-PFOA	EIS	3.28	420.8 / 376.0	1106125		2.408	NA	NA	NA	96.3
	13C9-PFNA	EIS	3.69	472.0 / 427.0	442912		1.284	NA	NA	NA	102.7
	13C6-PFDA	EIS	4.10	519.0 / 474.0	403285		1.232	NA	NA	NA	98.6
	13C7-PFUnA	EIS	4.49	570.0 / 525.0	347317		1.229	NA	NA	NA	98.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.88	615.1 / 570.0	305621		1.299	NA	NA	NA	103.9
	13C2-PFTeDA	EIS	5.64	715.1 / 670.1	274988		1.305	NA	NA	NA	104.4
	13C3-PFBS	EIS	2.15	302.1 / 80.1	419199		2.183	NA	NA	NA	93.7
	13C3-PFHxS	EIS	3.38	402.1 / 80.1	394157		2.369	NA	NA	NA	99.9
	13C8-PFOS	EIS	4.24	507.1 / 80.1	405180		2.315	NA	NA	NA	96.5
	13C2-4:2FTS	EIS	1.92	329.1 / 81.1	147505		4.630	NA	NA	NA	98.7
	13C2-6:2FTS	EIS	3.10	429.2 / 81.1	135533		4.604	NA	NA	NA	96.7
	13C2-8:2FTS	EIS	3.92	529.2 / 81.1	125292		4.736	NA	NA	NA	98.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.26	506.1 / 78.1	645298		2.313	NA	NA	NA	92.5
	d3-NMeFOSA	EIS	5.97	515.2 / 219.0	97366		2.373	NA	NA	NA	94.9
	d5-NEtFOSA	EIS	6.25	531.2 / 219.0	91275		2.386	NA	NA	NA	95.5
	d3-NMeFOSAA	EIS	4.19	573.2 / 419.1	240480		5.568	NA	NA	NA	111.4
	d5-NEtFOSAA	EIS	4.38	589.3 / 419.1	199975		4.814	NA	NA	NA	96.3
	d7-NMeFOSE	EIS	5.83	623.2 / 58.9	1199174		24.722	NA	NA	NA	98.9
	d9-NEtFOSE	EIS	6.11	639.2 / 58.9	1755960		24.981	NA	NA	NA	99.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.42	287.0 / 169.0	1388528		10.045	NA	NA	NA	100.5
	13C3-PFBA	NIS	0.65	216.0 / 172.0	911377		4.607	NA	NA	NA	92.1
	13C2-PFHxA	NIS	2.16	315.0 / 270.0	663297		2.523	NA	NA	NA	100.9
	13C4-PFOA	NIS	3.28	417.0 / 372.0	452297		2.610	NA	NA	NA	104.4
	13C5-PFNA	NIS	3.69	468.0 / 423.0	389244		1.251	NA	NA	NA	100.1
	13C2-PFDA	NIS	4.10	515.1 / 470.1	380566		1.201	NA	NA	NA	96.1
	18O2-PFHxS	NIS	3.38	403.1 / 84.1	337070		2.385	NA	NA	NA	100.6
	13C4-PFOS	NIS	4.24	503.1 / 80.1	303959		2.455	NA	NA	NA	102.3

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

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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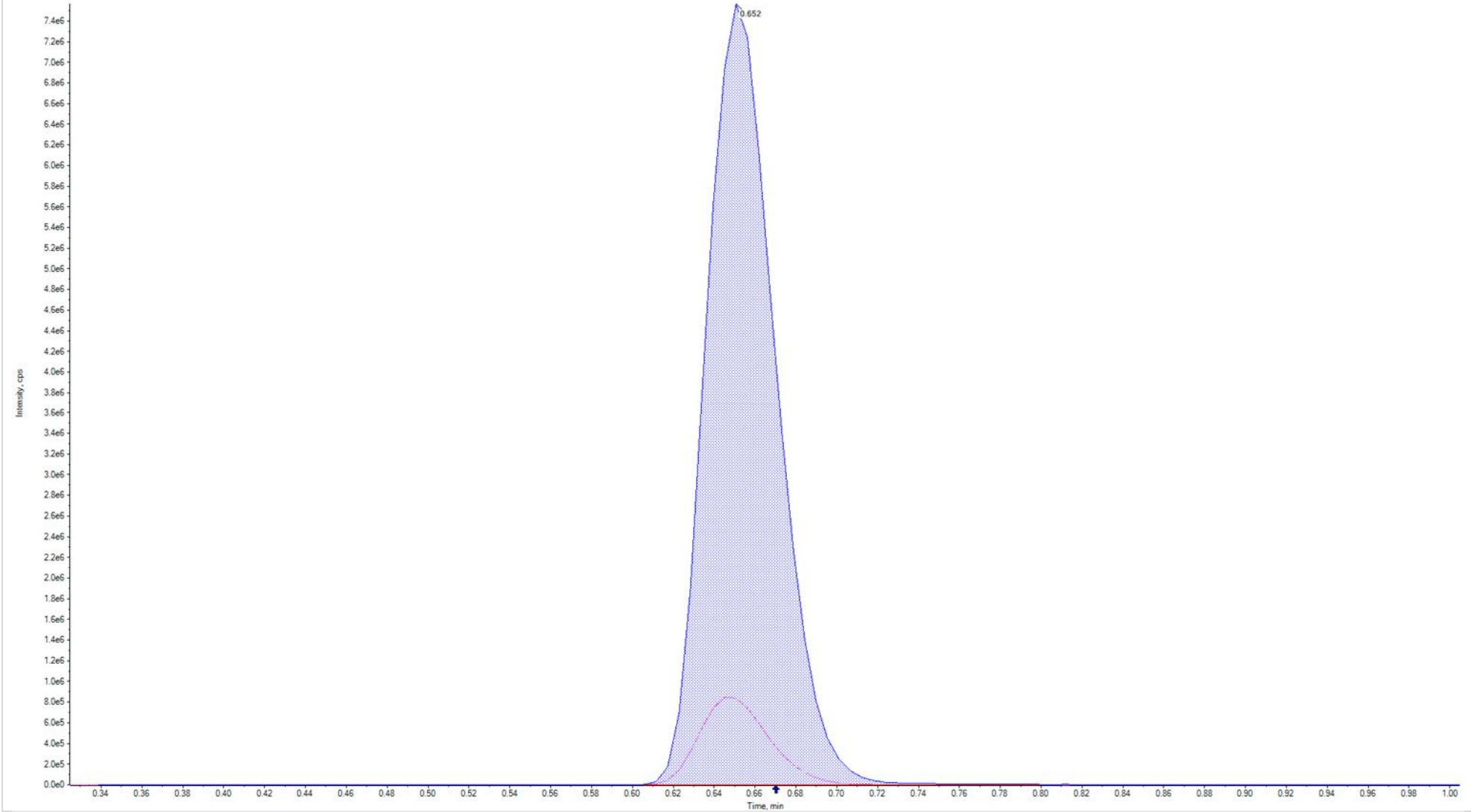
PFBA
Sample: IA1633STD-25 S/N:5379.4 Points Across peak:52



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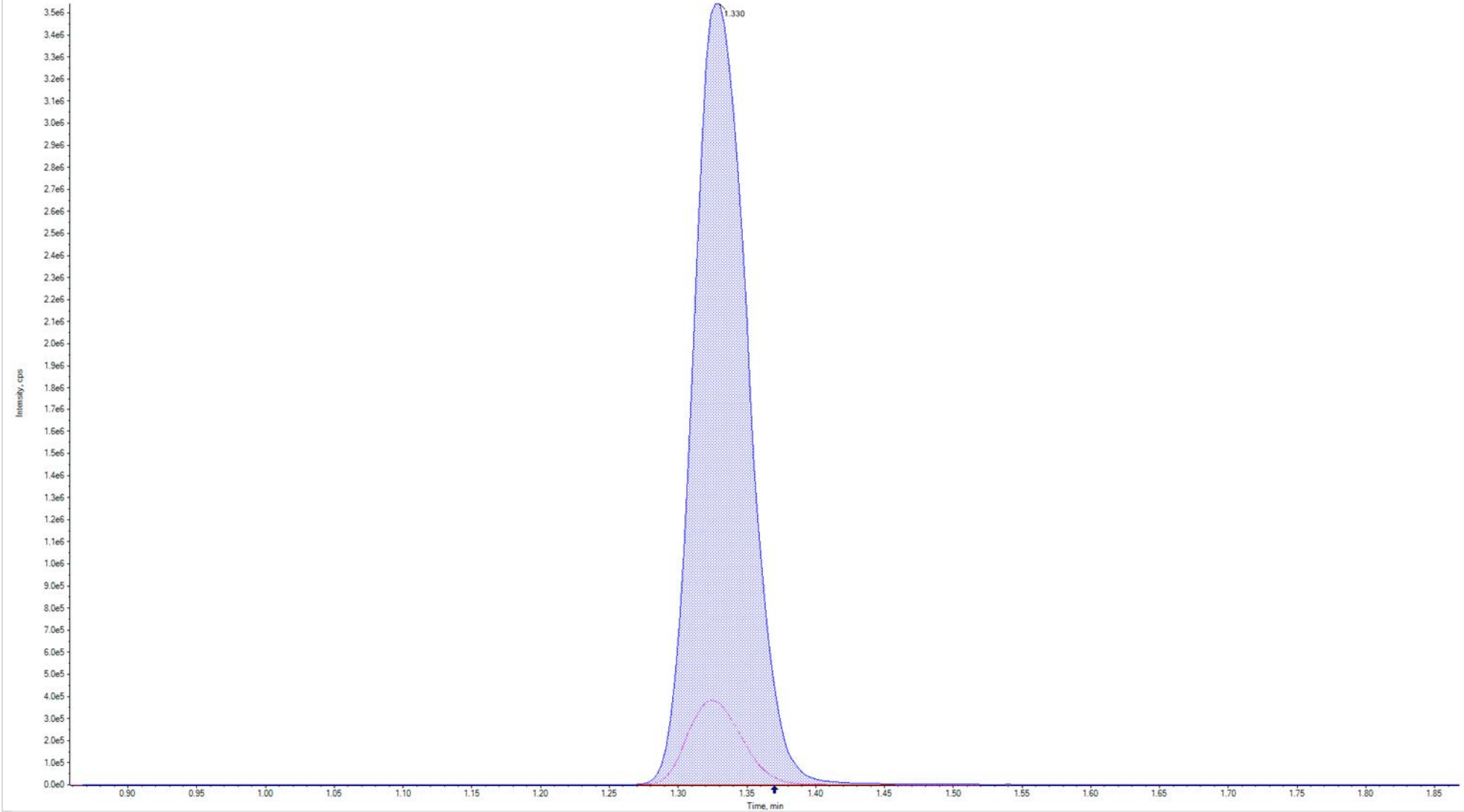
PFPeA
Sample: IA1633STD-25 S/N:14738.4 Points Across peak:72



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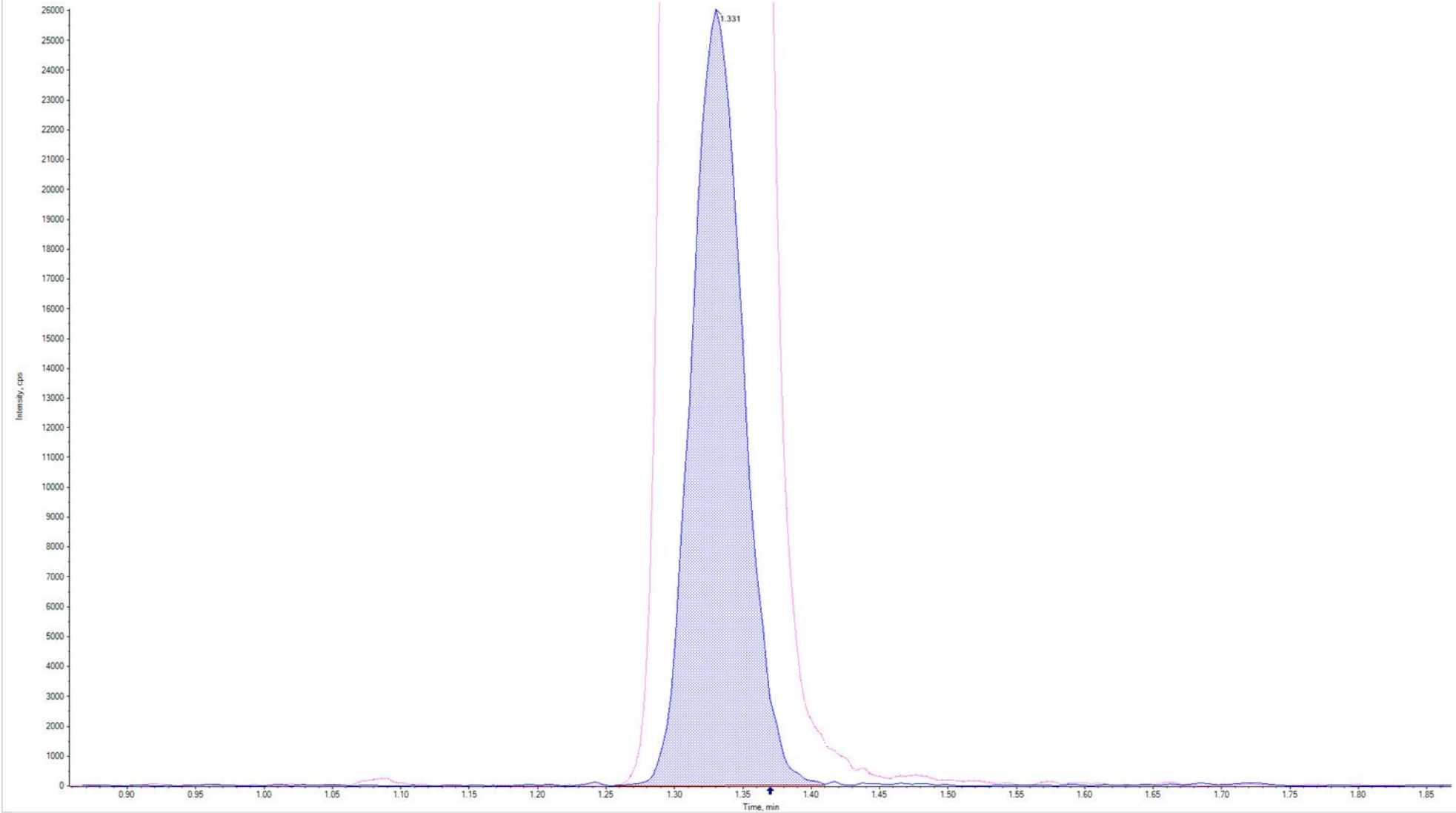
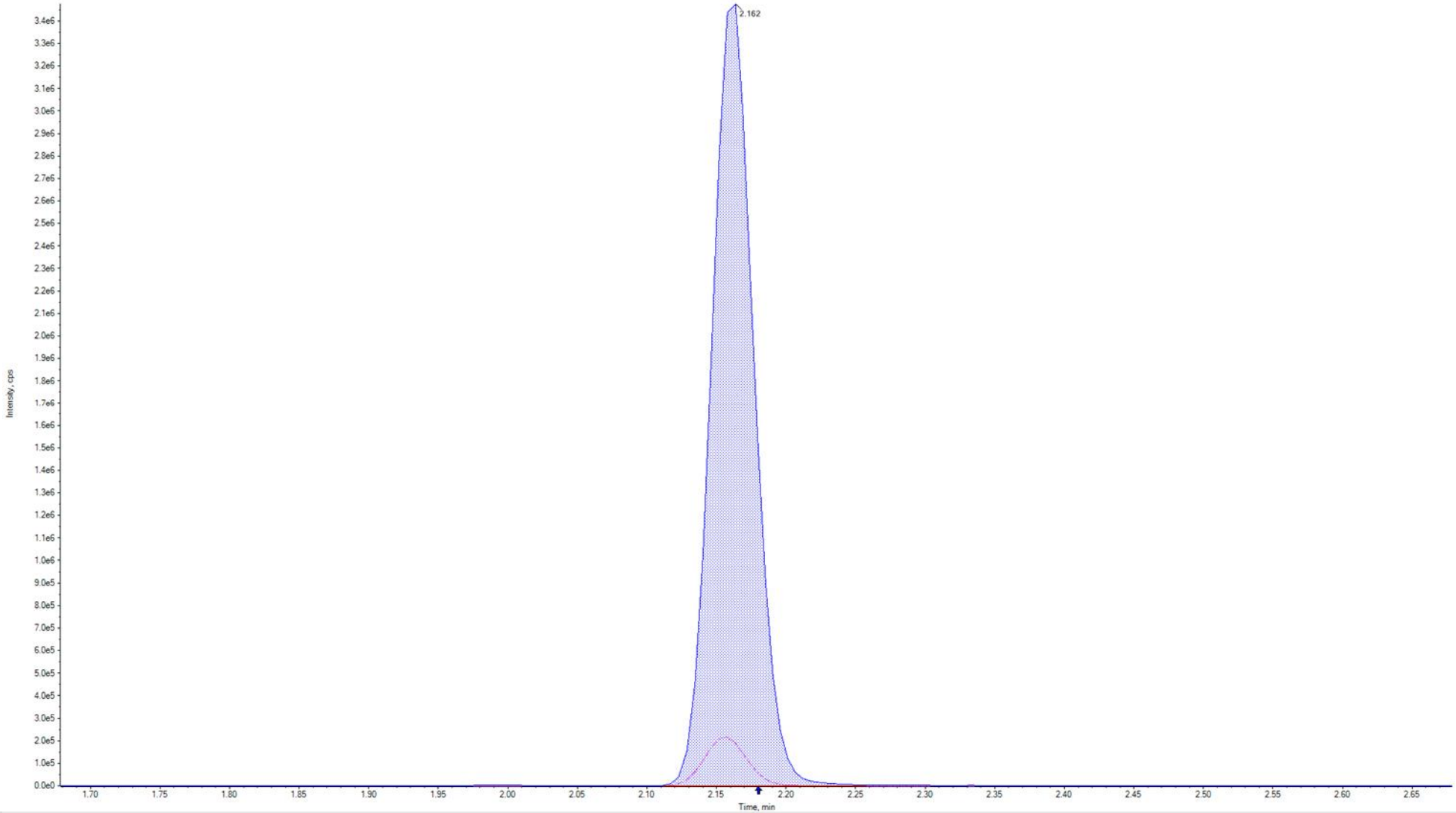
PFPeA_2
Sample: IA1633STD-25 S/N:1566.5 Points Across peak:55



PFHxA
Sample: IA1633STD-25 S/N:19339.8 Points Across peak:31



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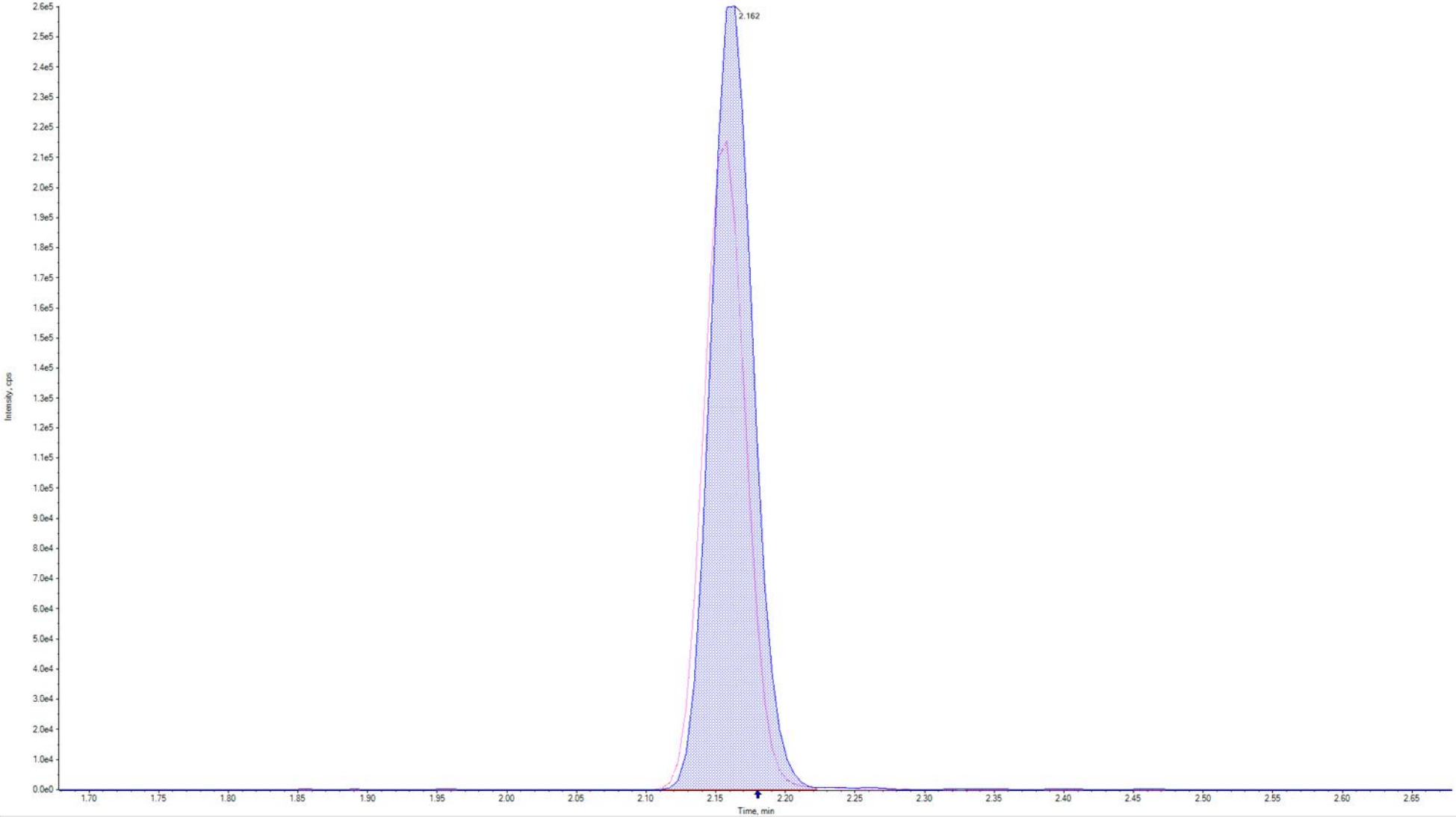
PFHxA_2
Sample: IA1633STD-25 S/N:6521.8 Points Across peak:23



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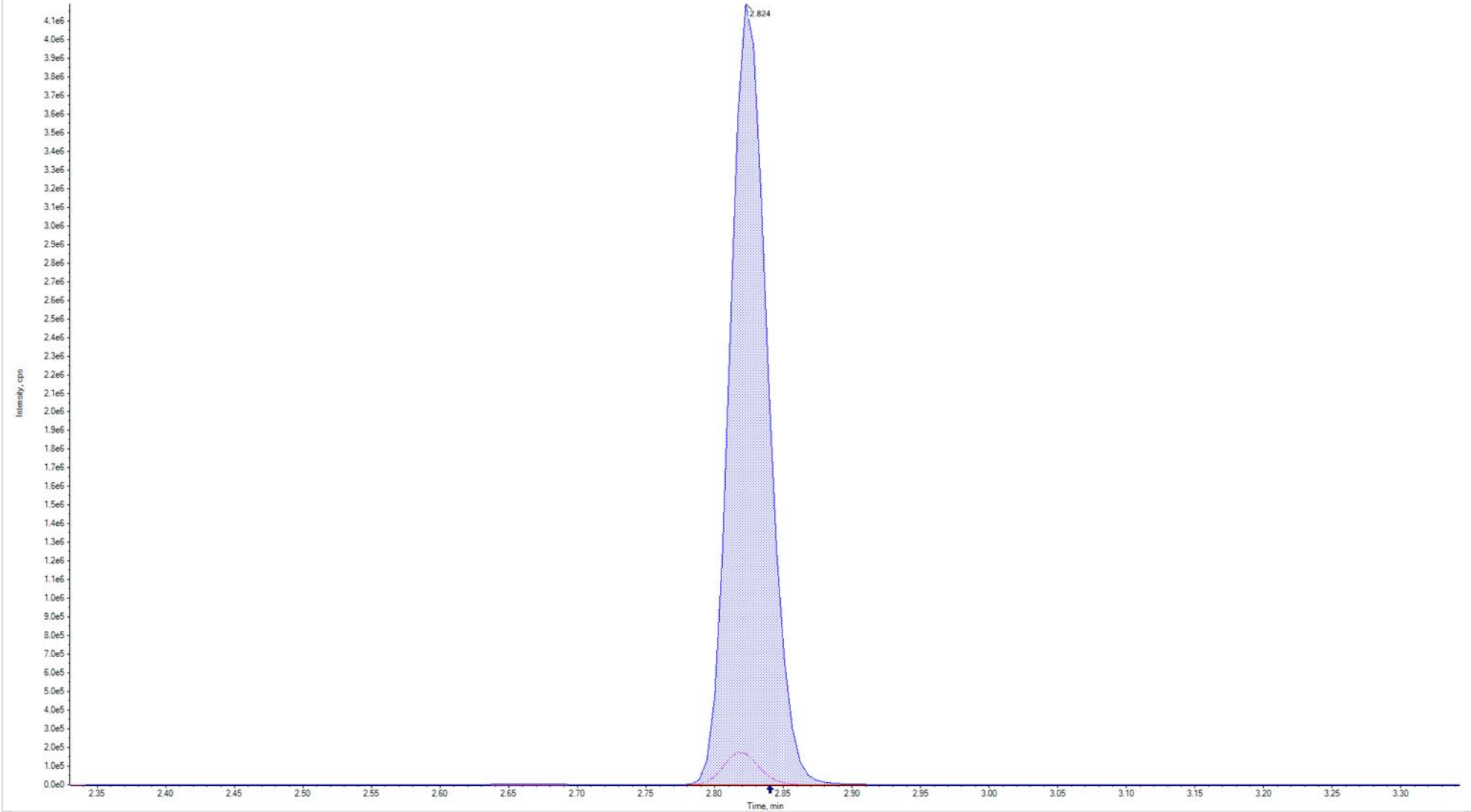
PFHpA
Sample: IA1633STD-25 S/N:13896.1 Points Across peak:36



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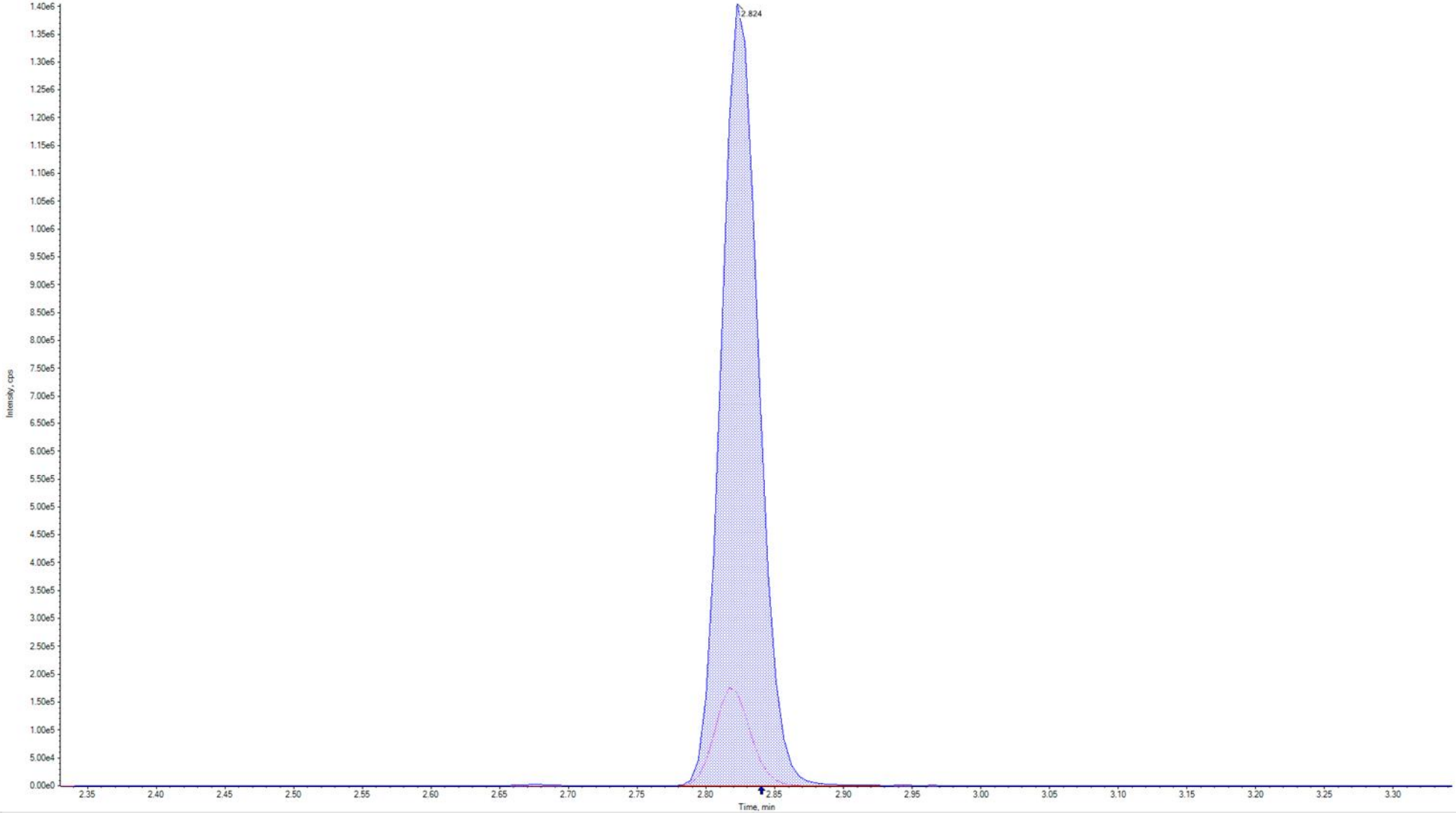
PFHpA_2
Sample: IA1633STD-25 S/N:11178.2 Points Across peak:33



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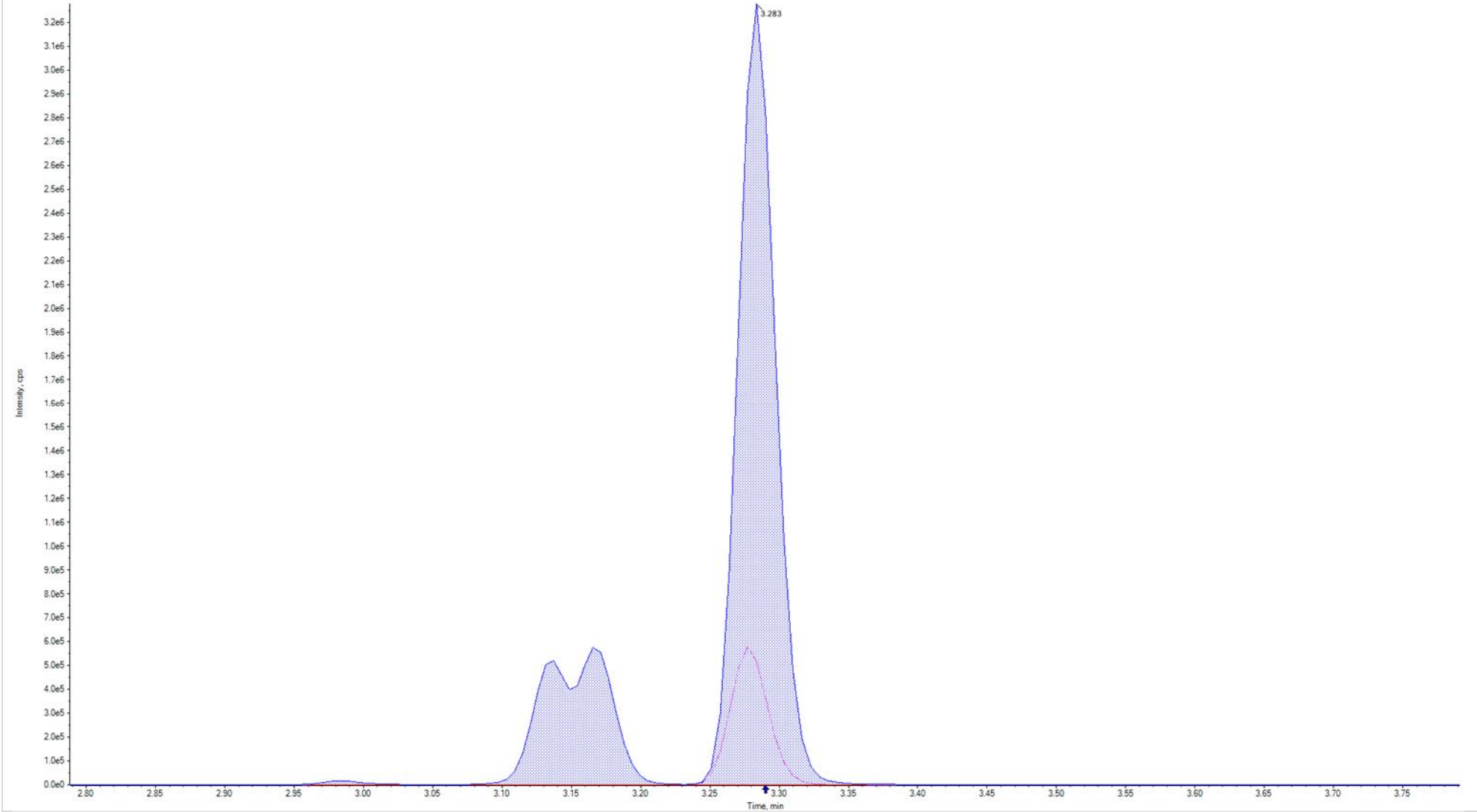
PFOA
Sample: IA1633STD-25 S/N:858.5 Points Across peak:69



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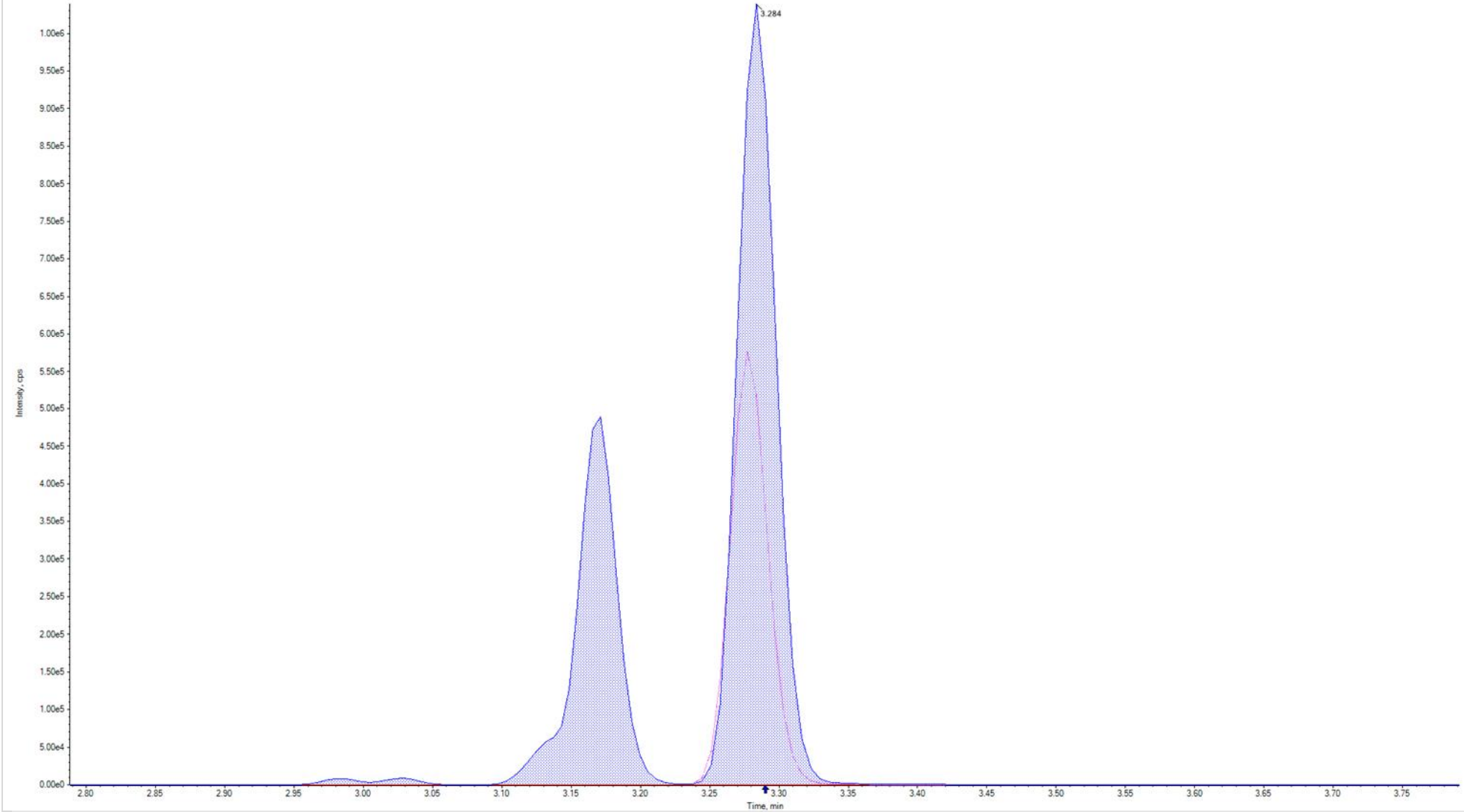
PFOA_2
Sample: IA1633STD-25 S/N:469.8 Points Across peak:69



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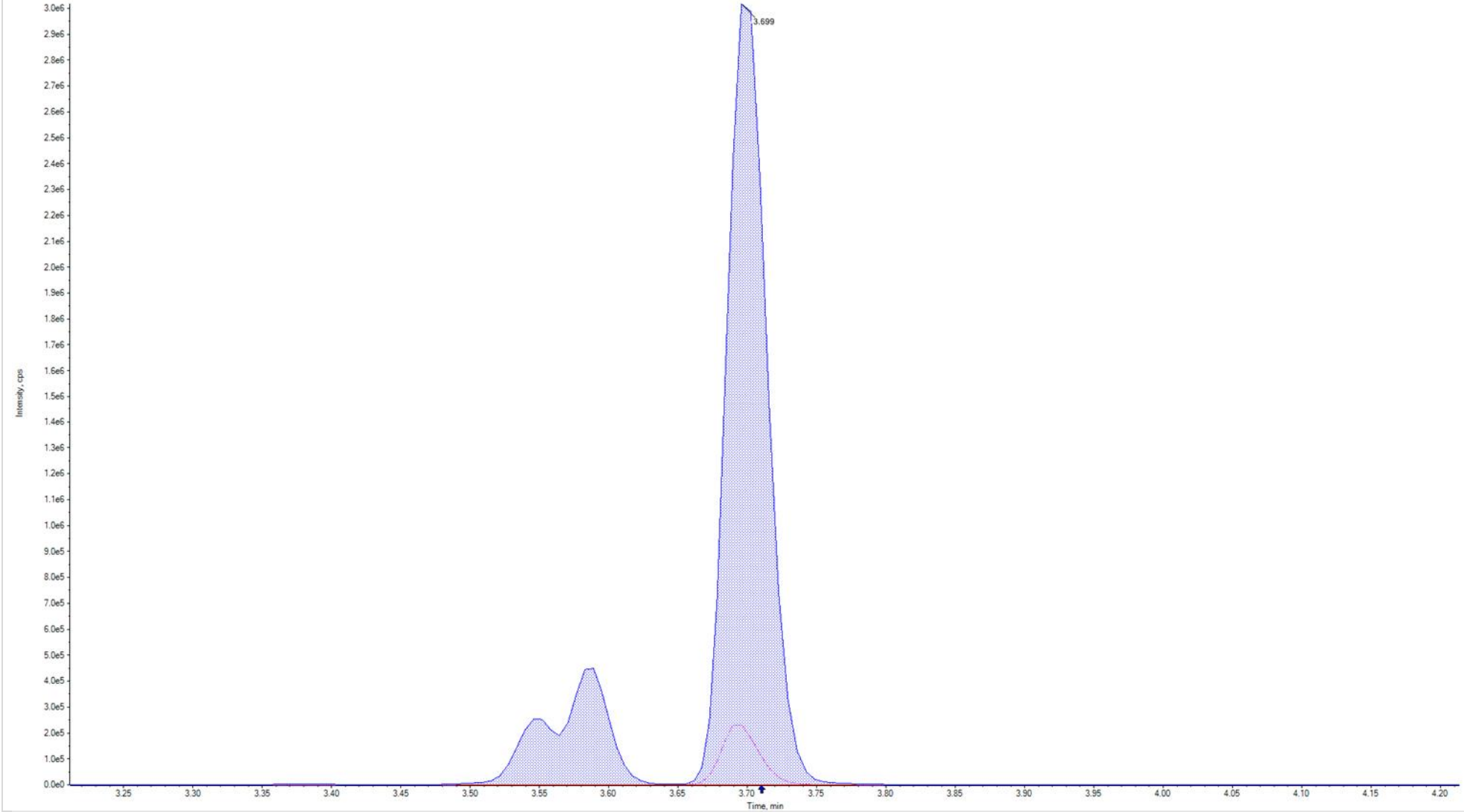
PFNA
Sample: IA1633STD-25 S/N:1114.0 Points Across peak:49



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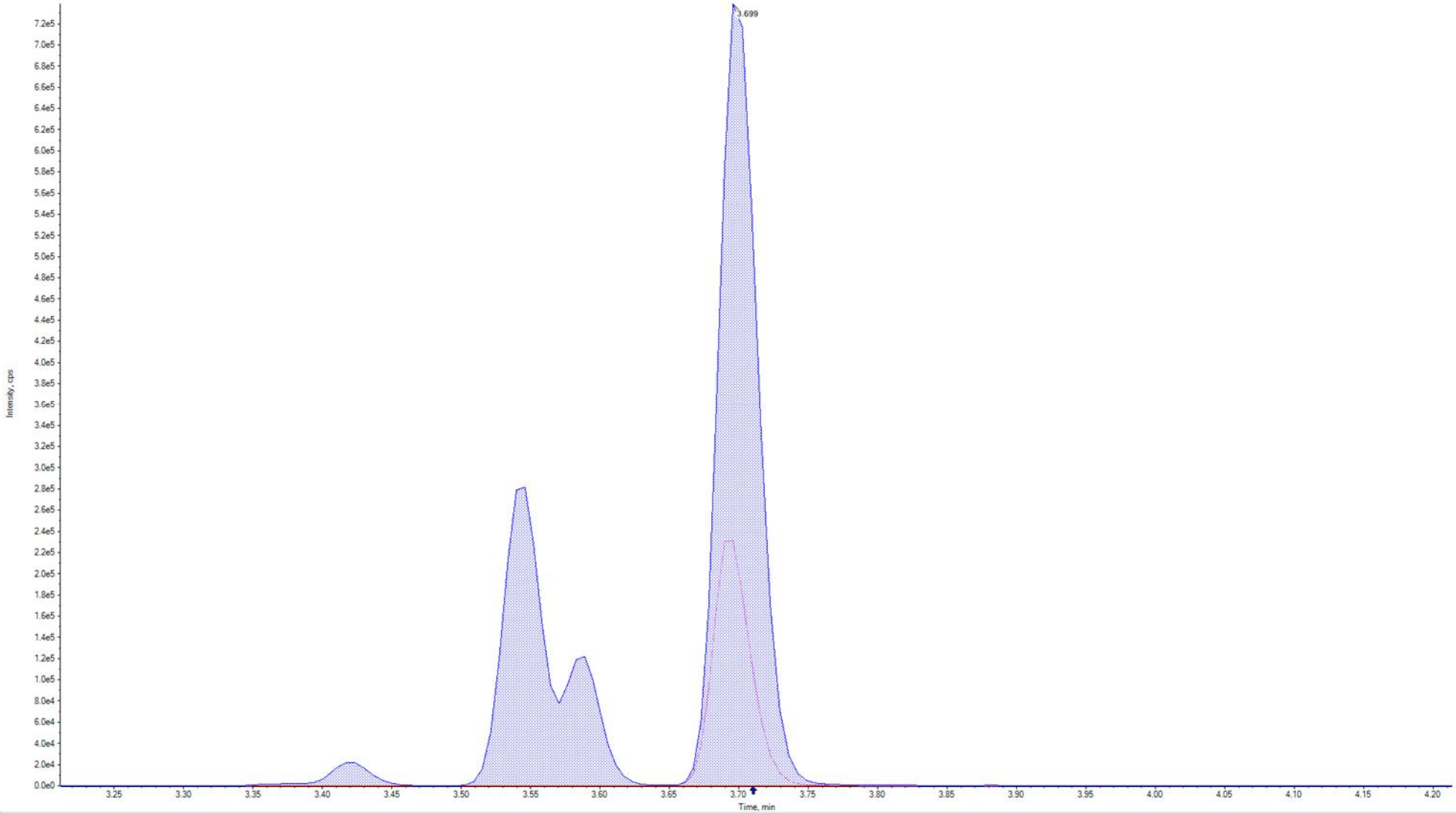
PFNA_2
Sample: IA1633STD-25 S/N:451.8 Points Across peak:72



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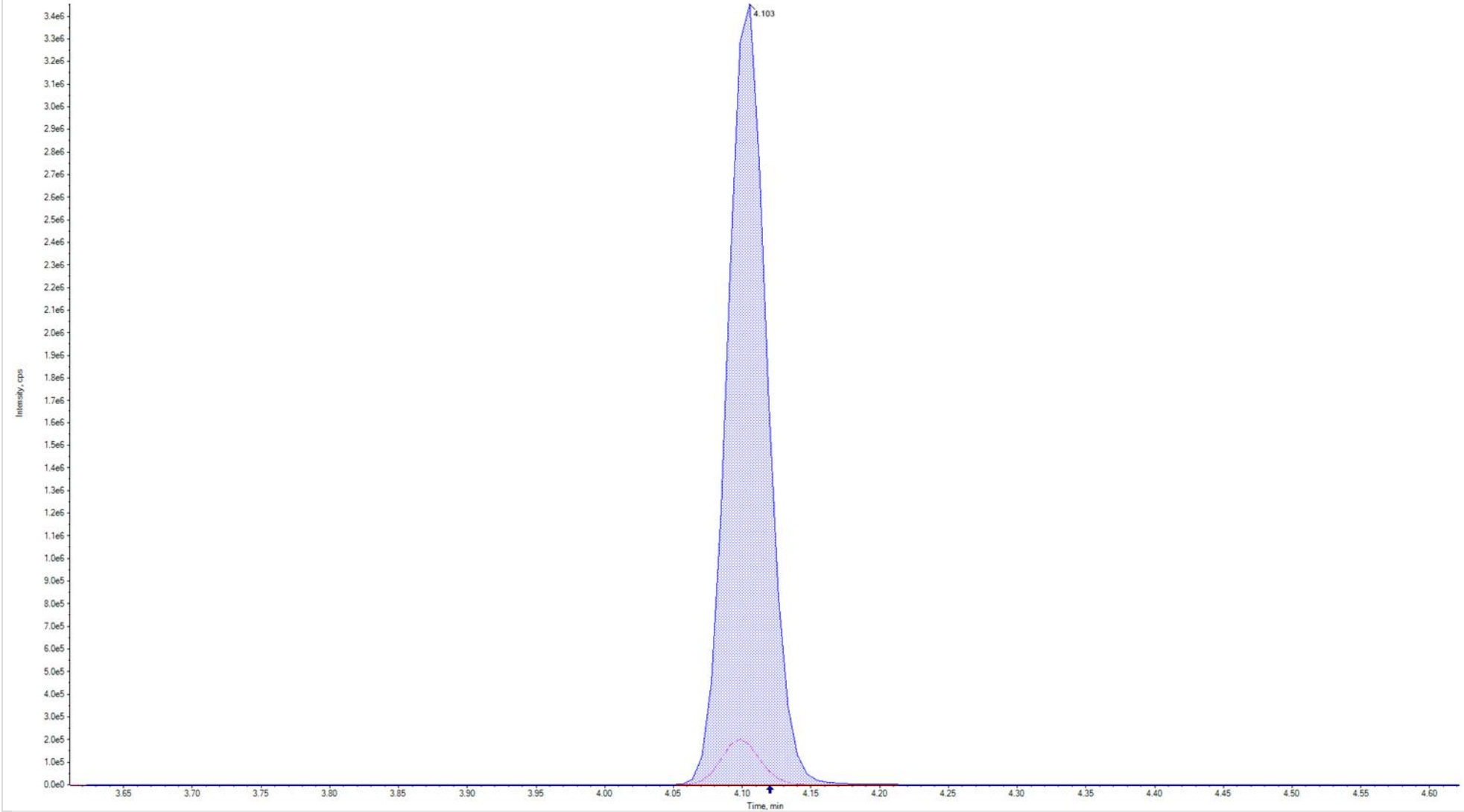
PFDA
Sample: IA1633STD-25 S/N:16898.4 Points Across peak:41



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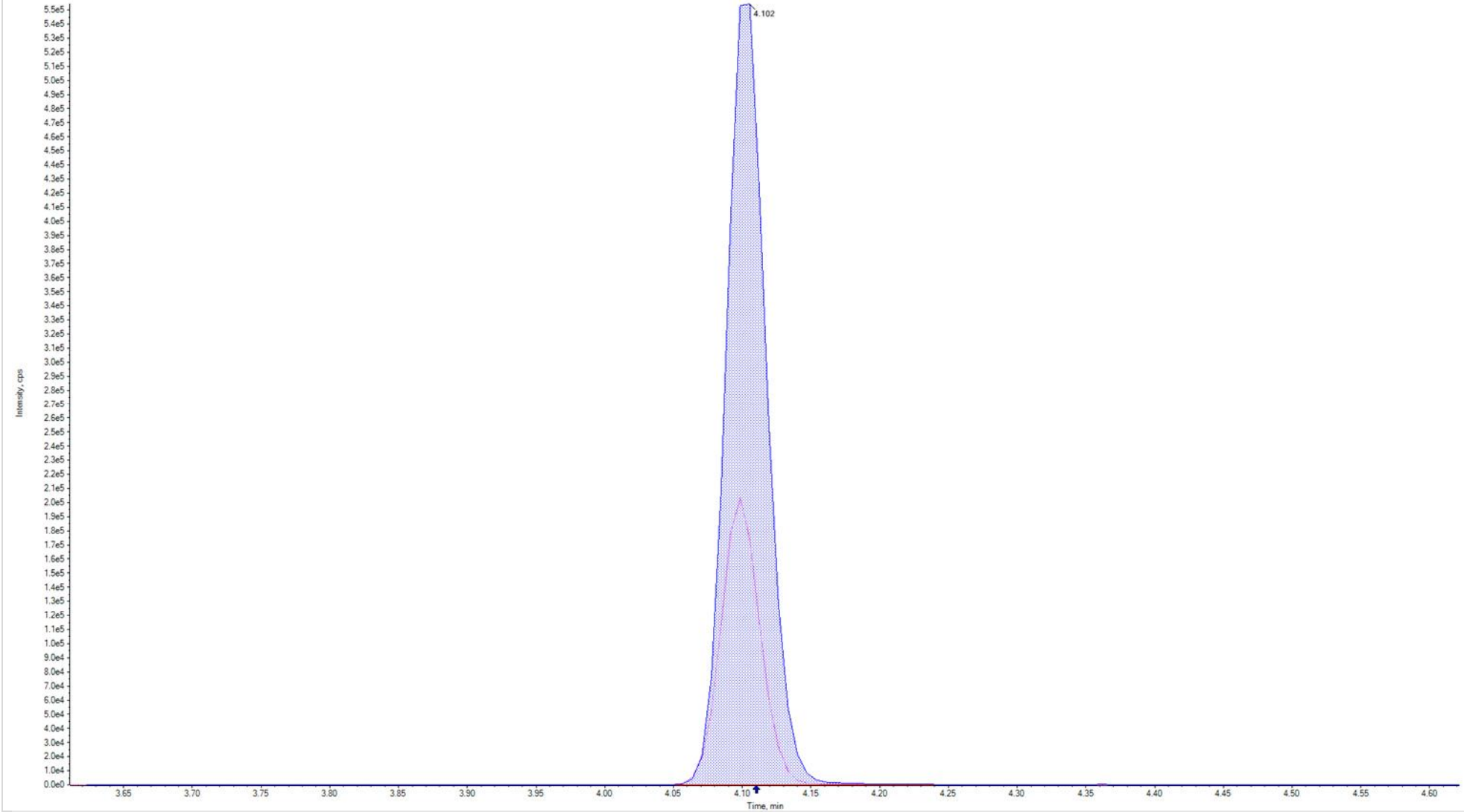
PFDA_2
Sample: IA1633STD-25 S/N:10556.5 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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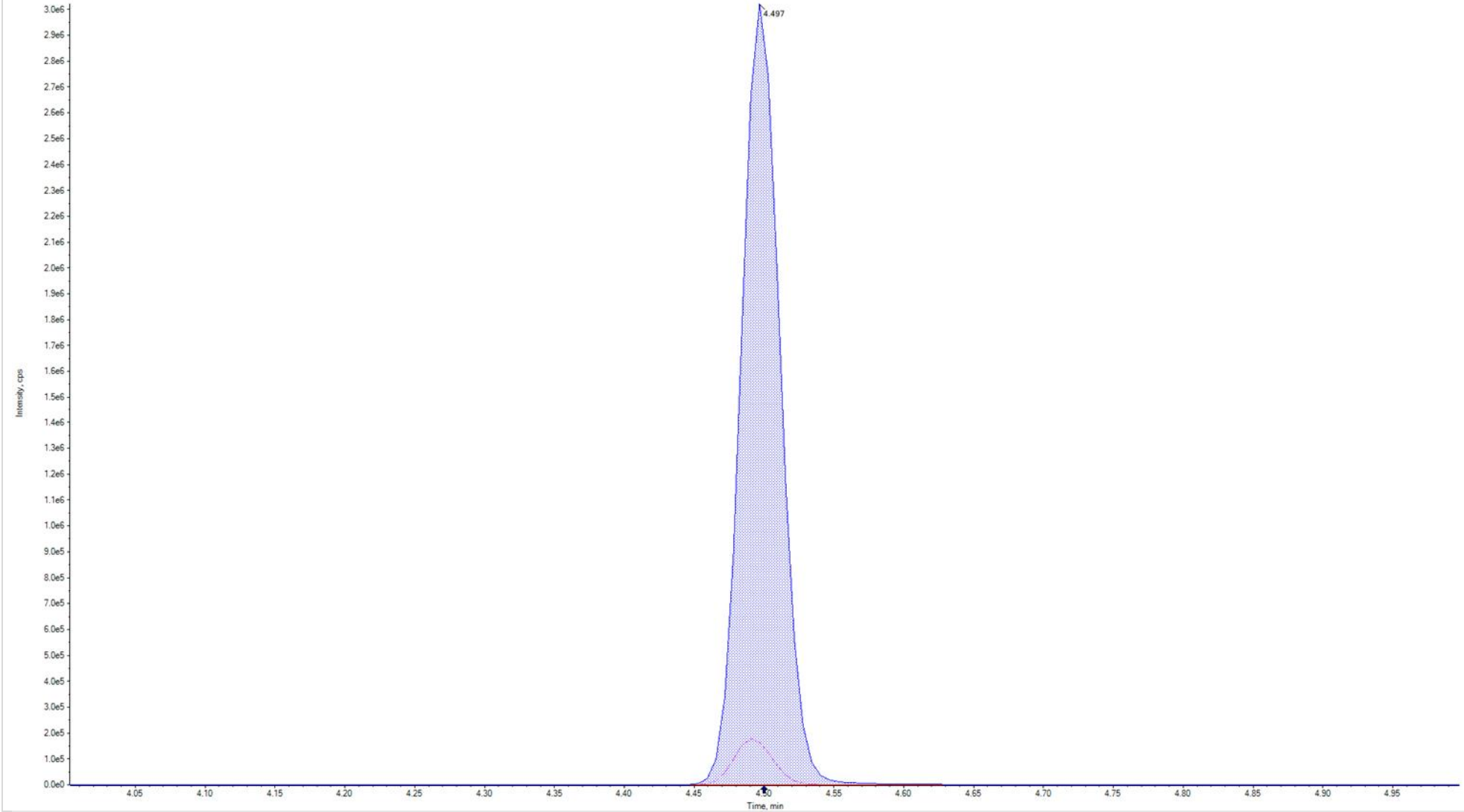
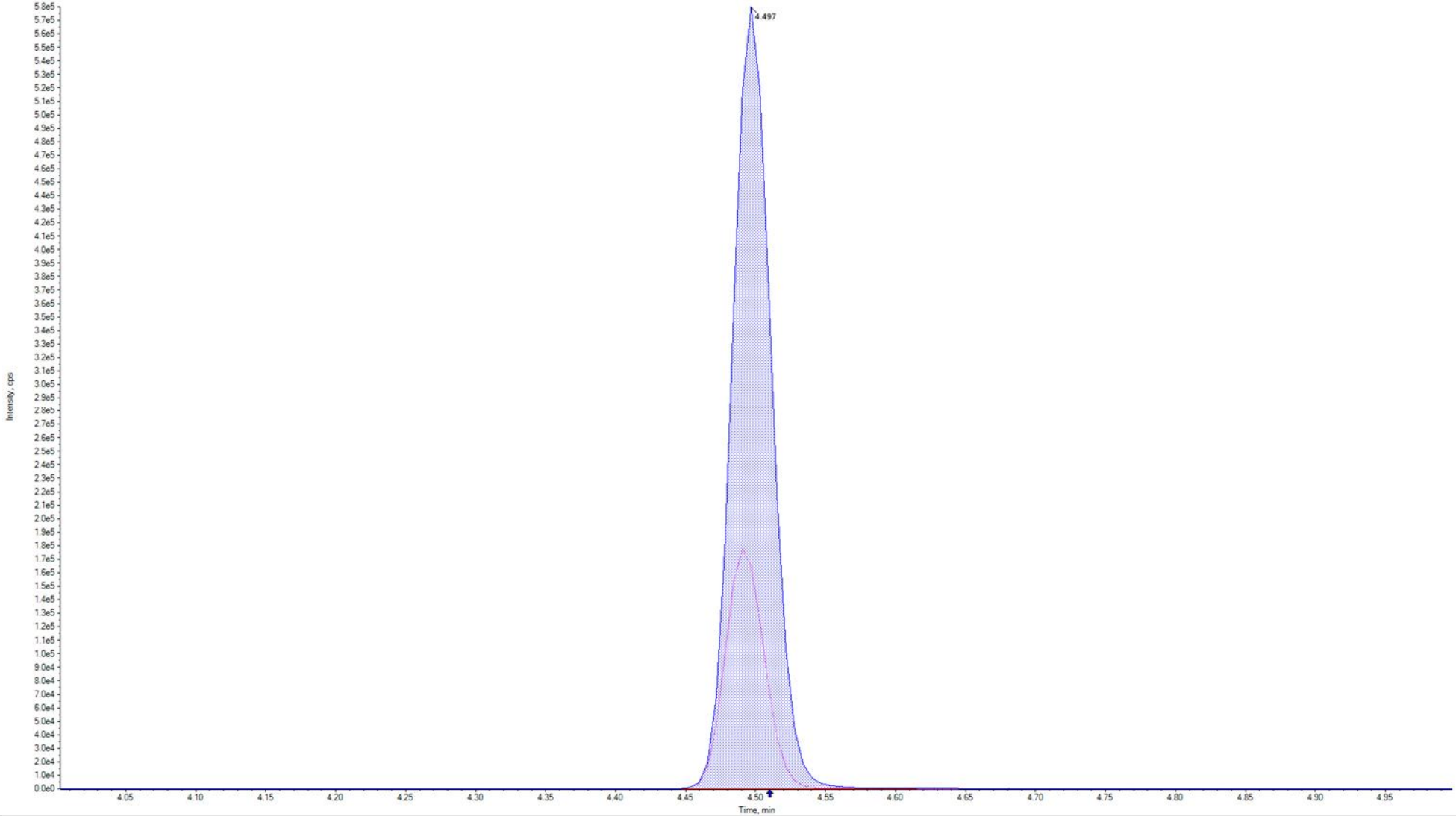
PFUnA
Sample: IA1633STD-25 S/N:32732.2 Points Across peak:35



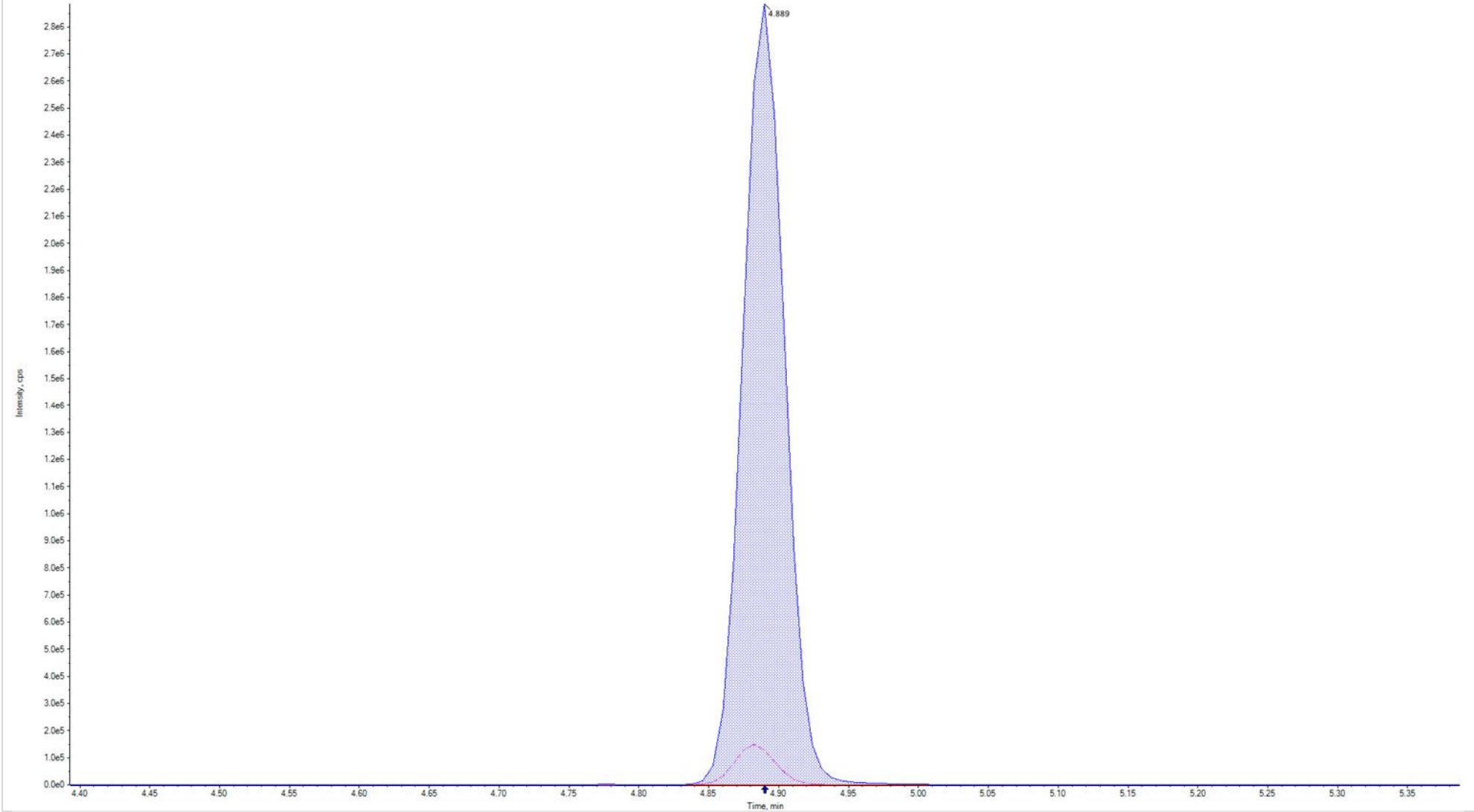
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFUnA_2
Sample: IA1633STD-25 S/N:6526.5 Points Across peak:28



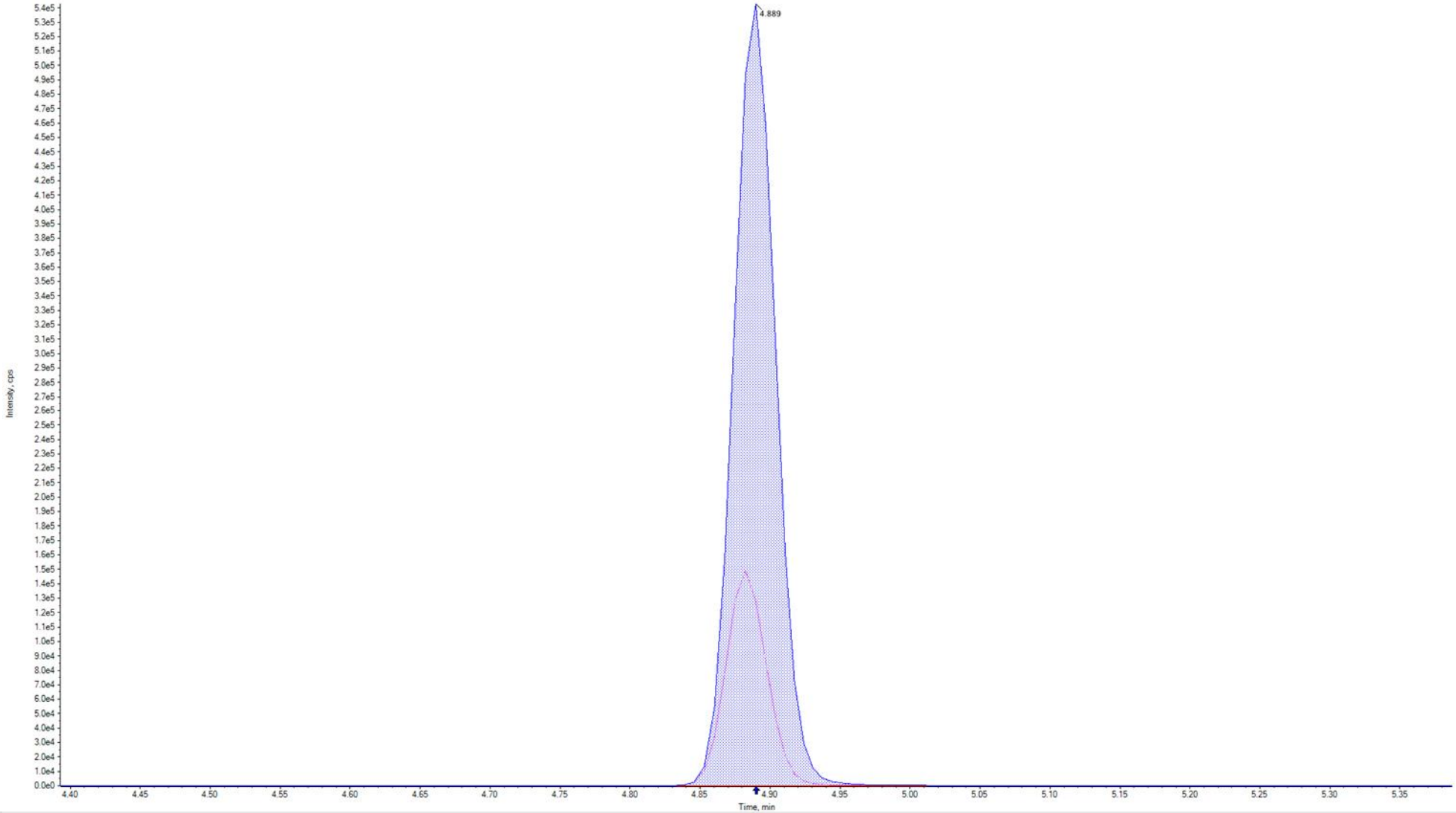
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDoA
Sample: IA1633STD-25 S/N:13401.0 Points Across peak:30



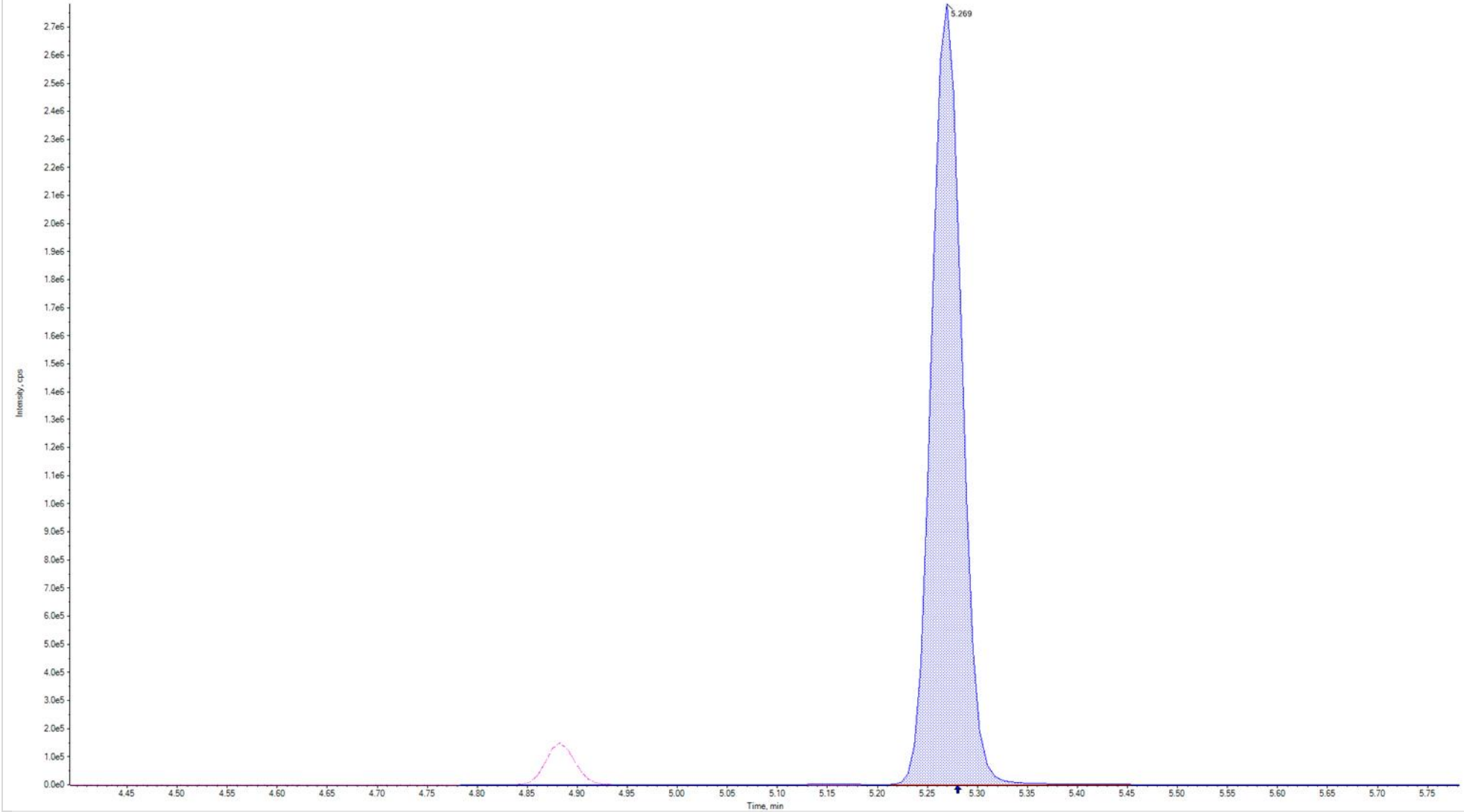
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDoA_2
Sample: IA1633STD-25 S/N:4930.9 Points Across peak:33



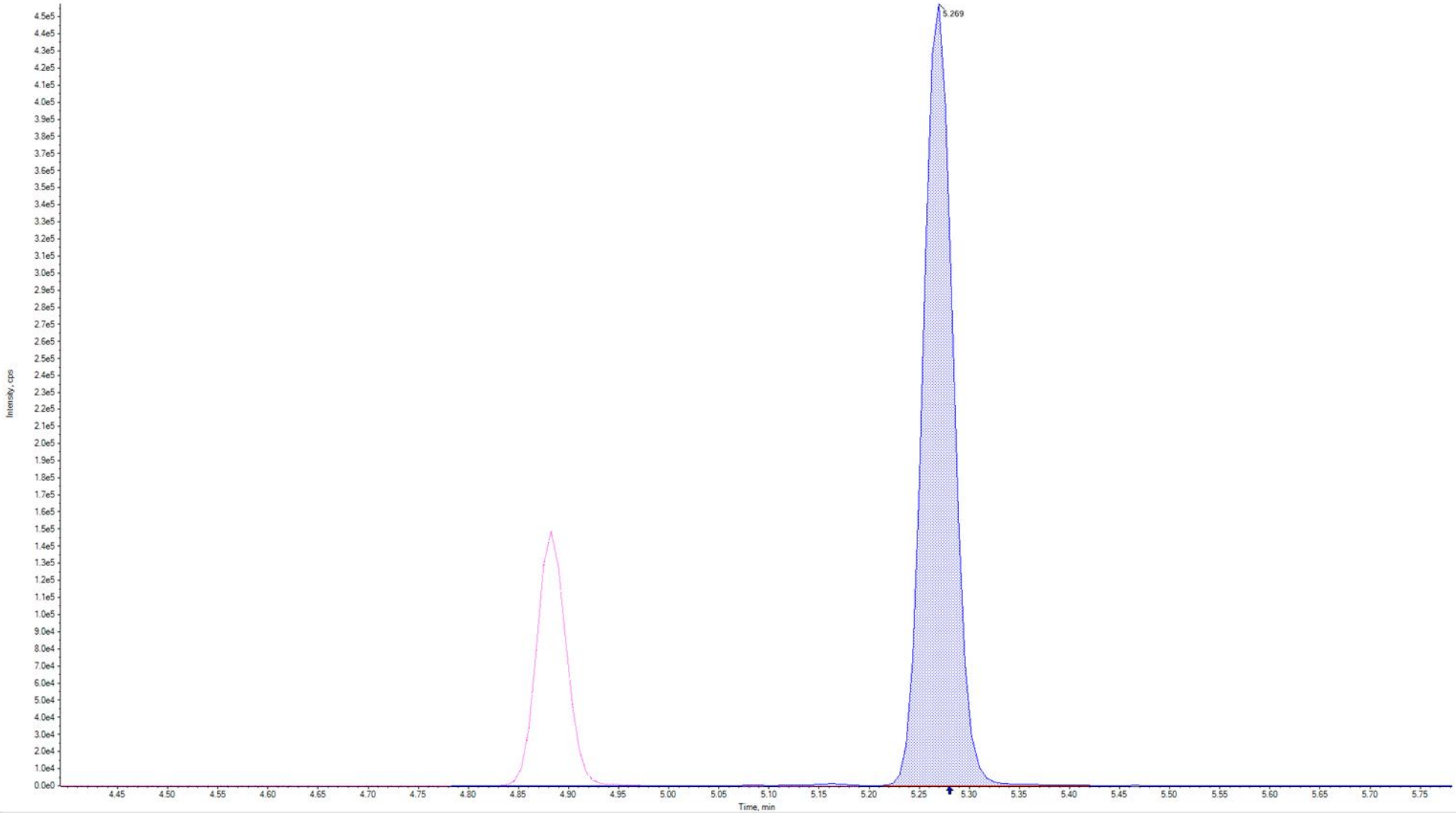
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFTrDA
Sample: IA1633STD-25 S/N:7666.0 Points Across peak:37



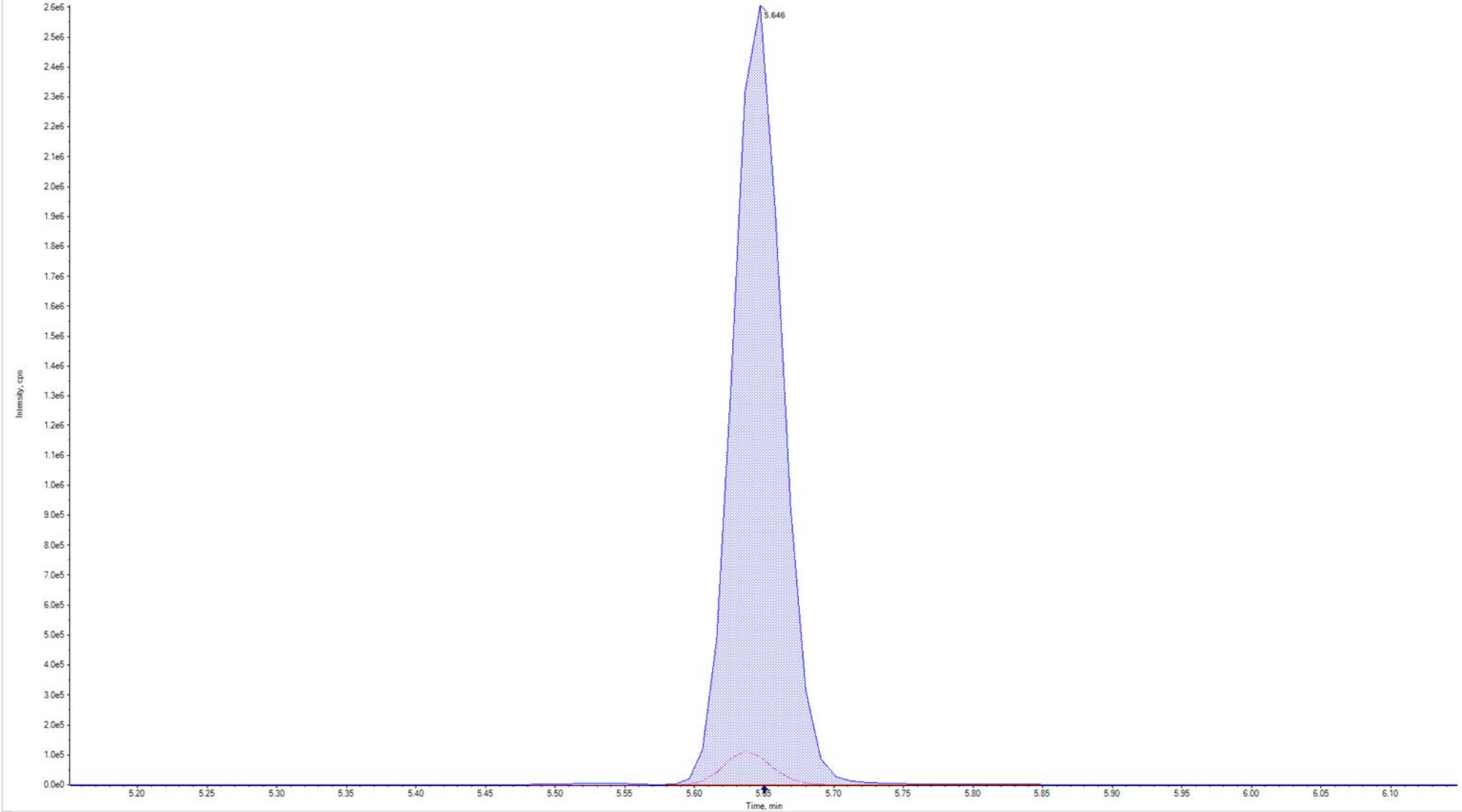
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFTrDA_2
Sample: IA1633STD-25 S/N:18346.3 Points Across peak:32



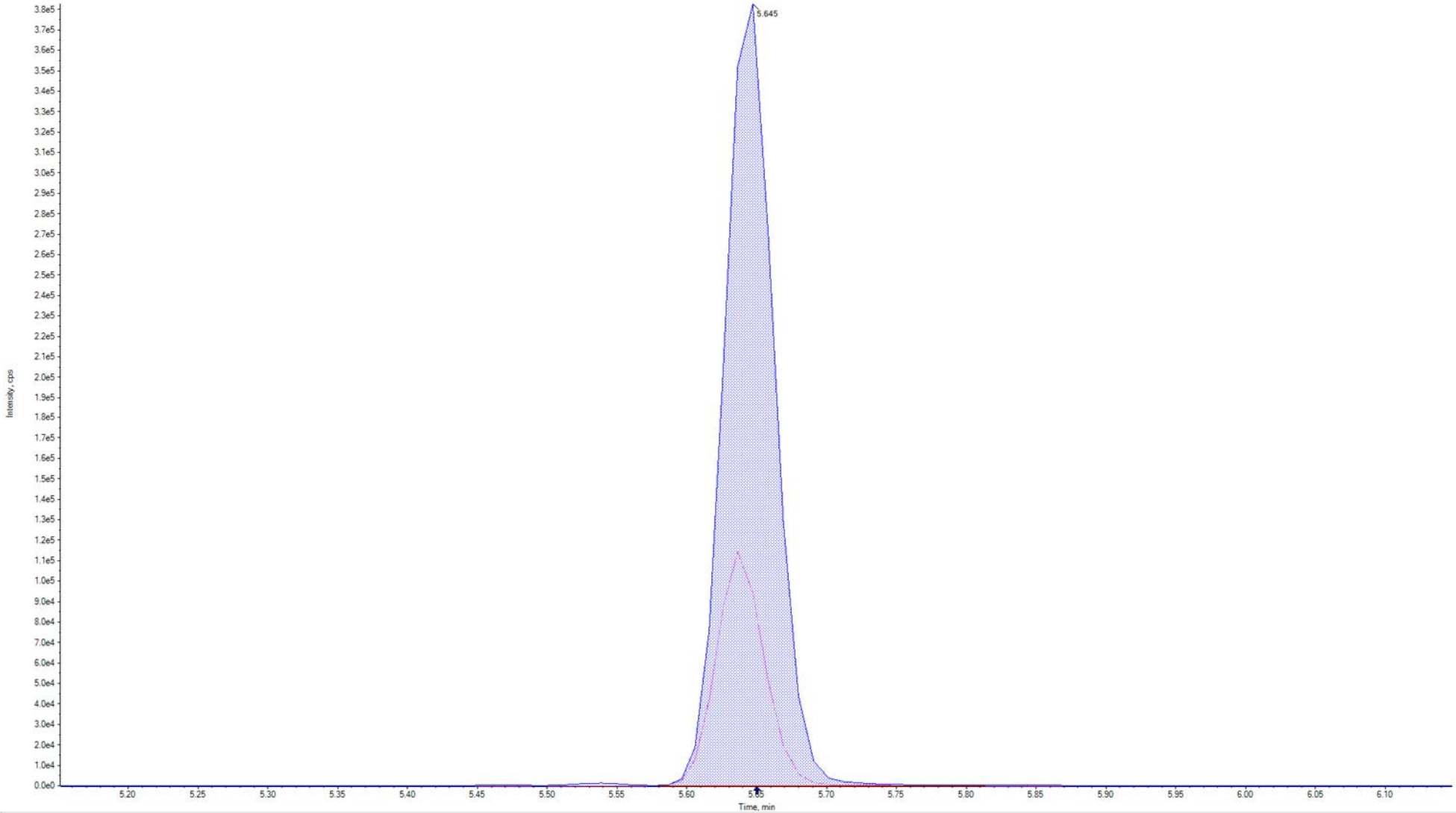
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFTeDA
Sample: IA1633STD-25 S/N:4430.5 Points Across peak:29



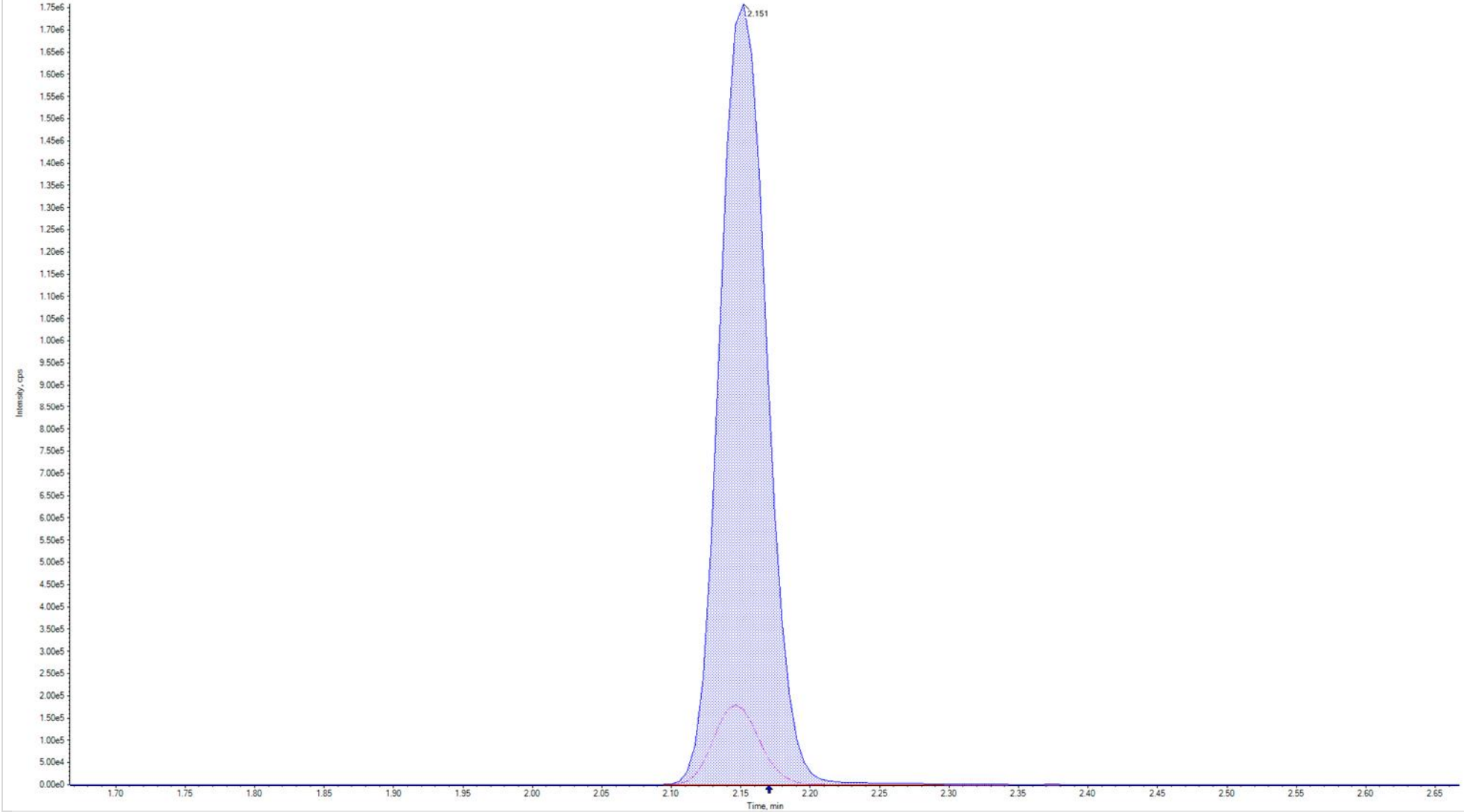
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFTeDA_2
Sample: IA1633STD-25 S/N:23981.4 Points Across peak:23



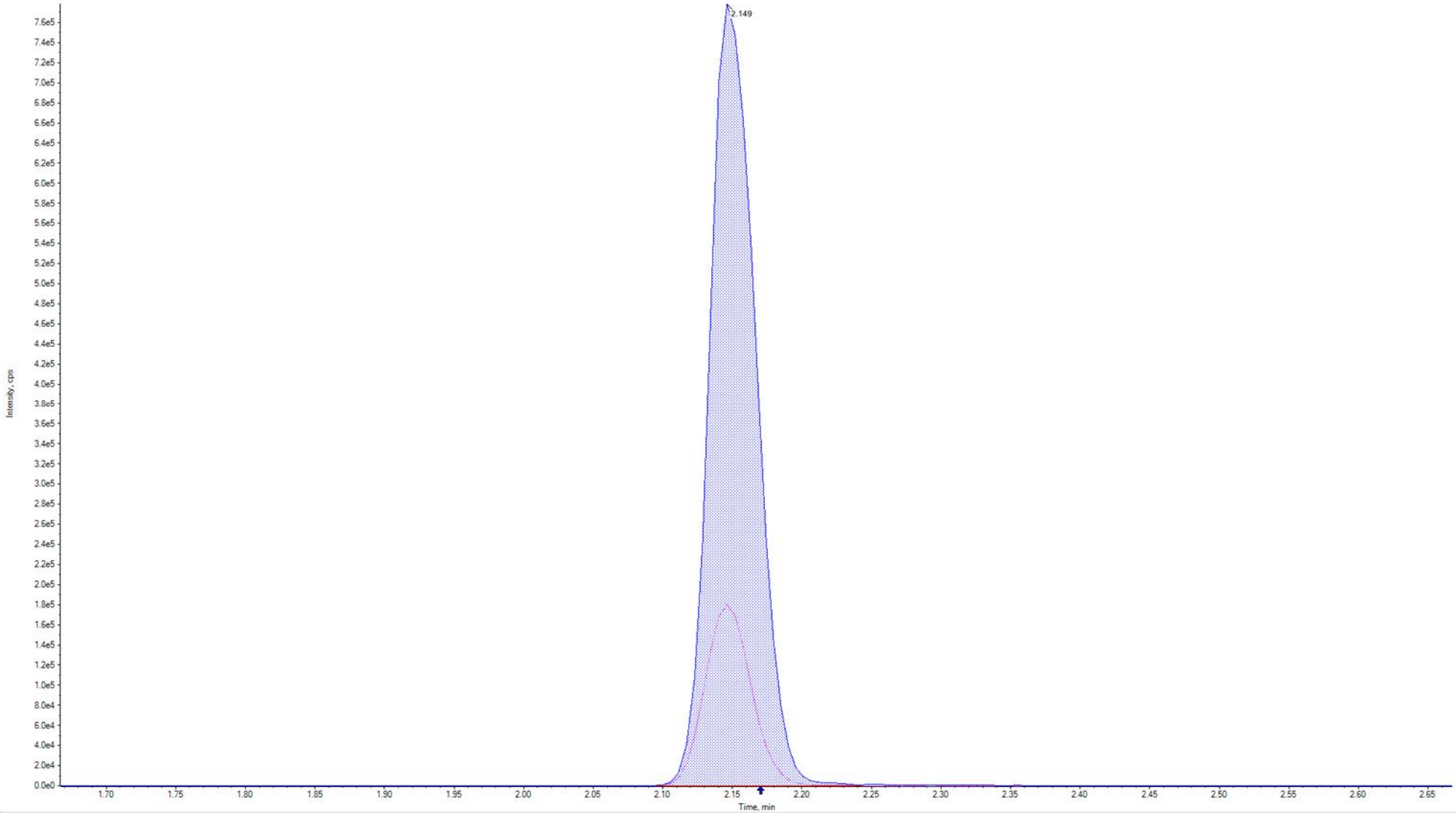
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFBS
Sample: IA1633STD-25 S/N:10905.5 Points Across peak:43



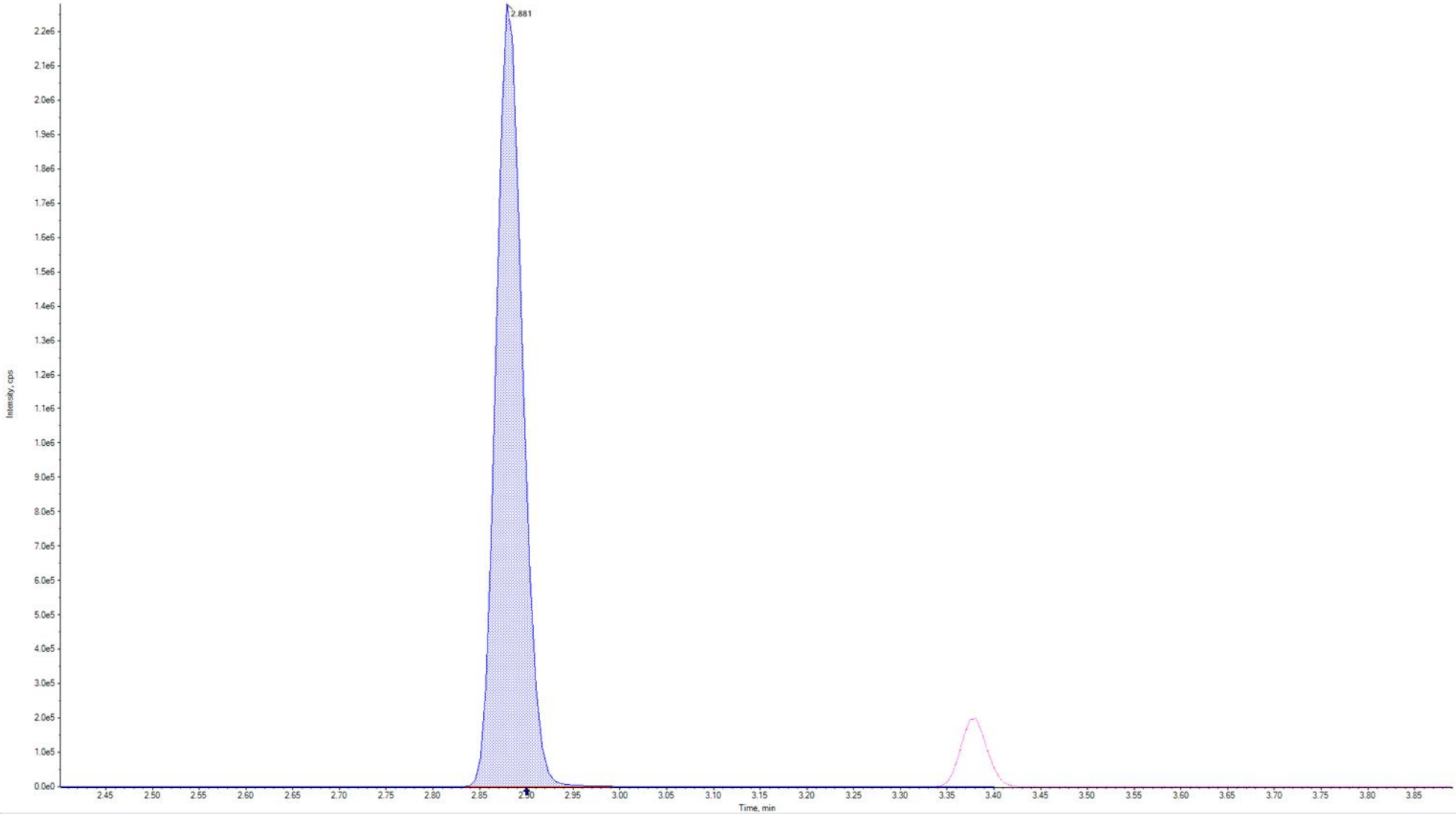
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFBS_2
Sample: IA1633STD-25 S/N:19514.5 Points Across peak:34



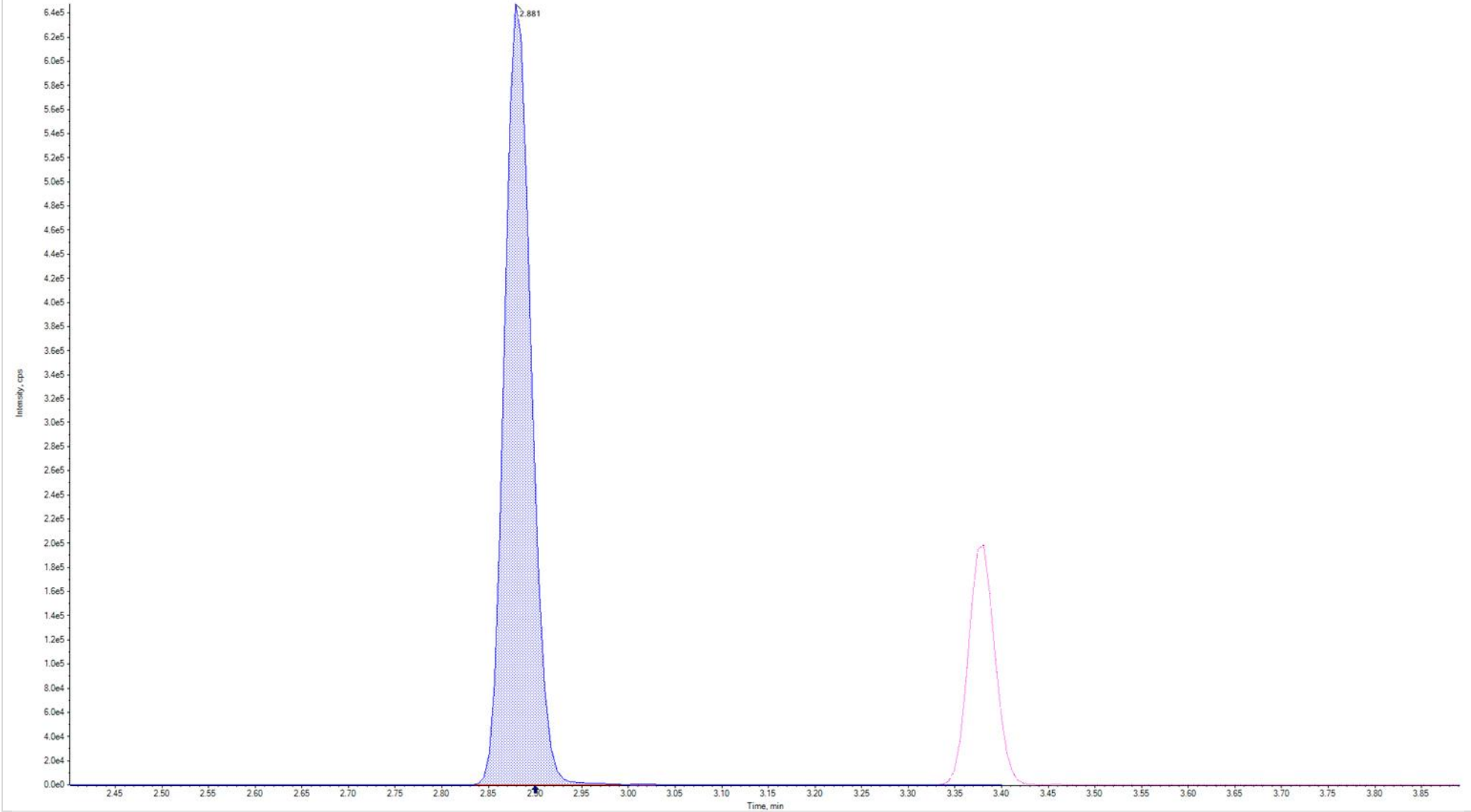
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFPeS
Sample: IA1633STD-25 S/N:9441.0 Points Across peak:37



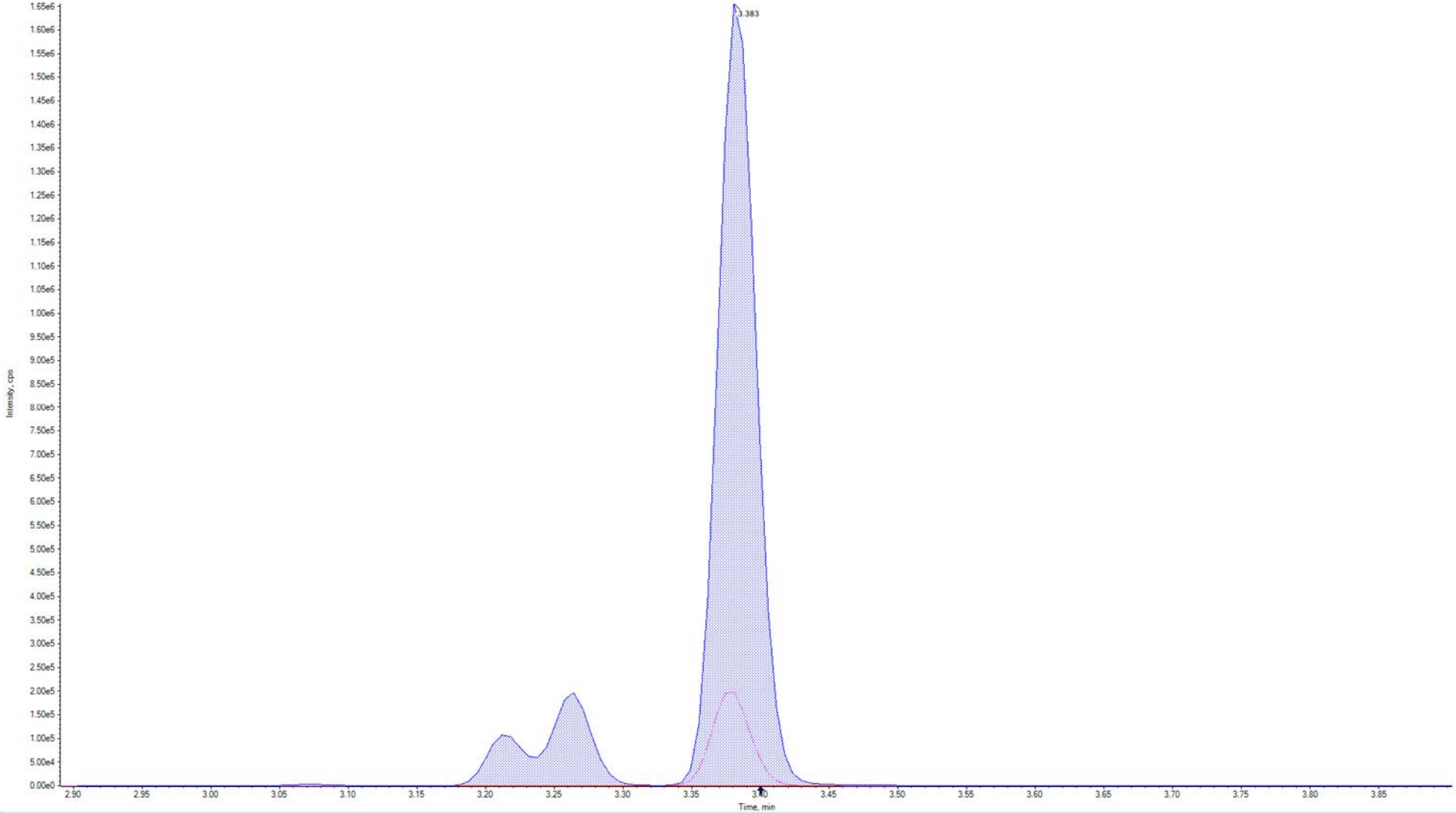
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFPeS_2
Sample: IA1633STD-25 S/N:6508.9 Points Across peak:30



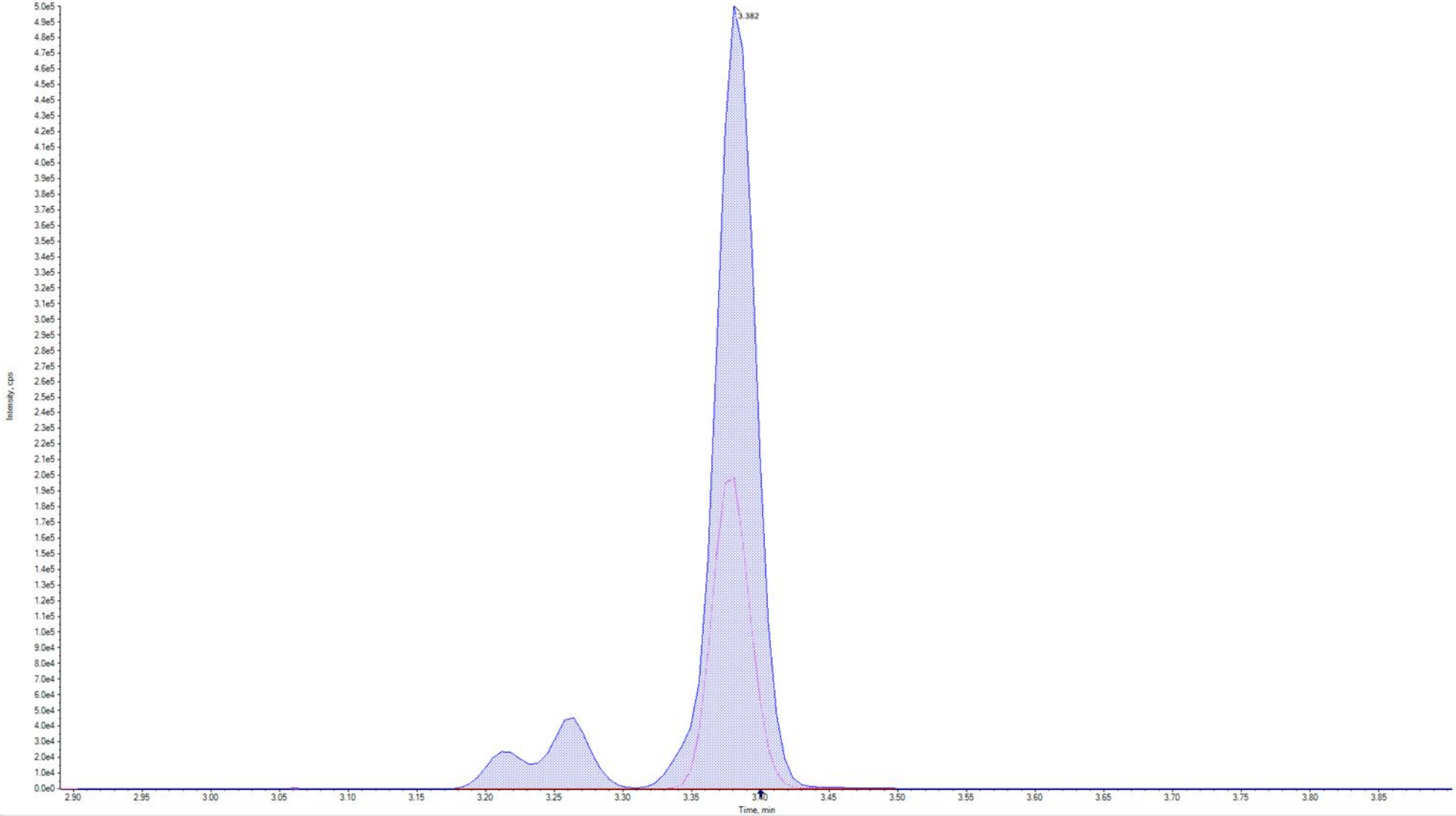
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFHxS
Sample: IA1633STD-25 S/N:1084.8 Points Across peak:46



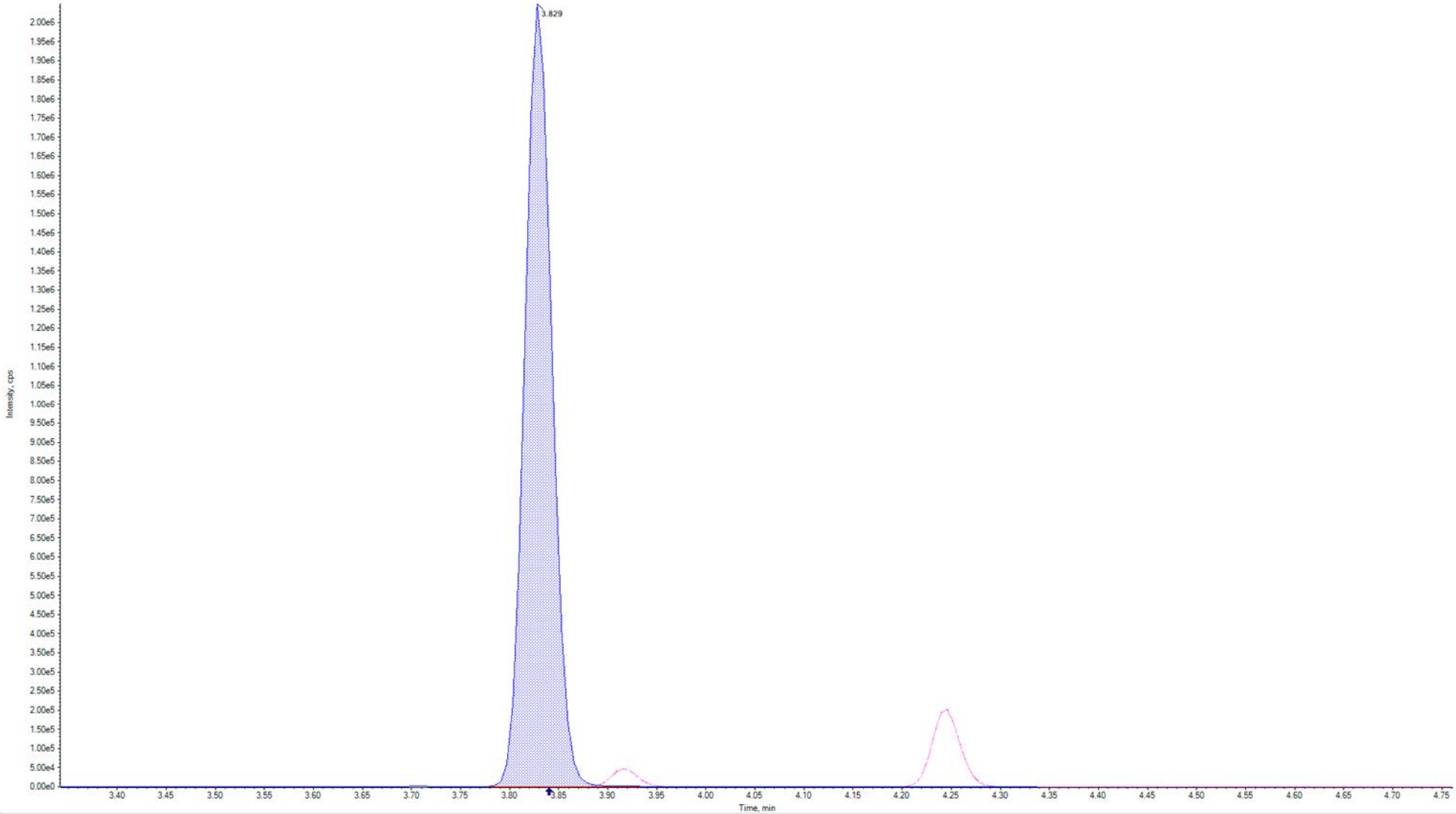
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFHxS_2
Sample: IA1633STD-25 S/N:1171.7 Points Across peak:56



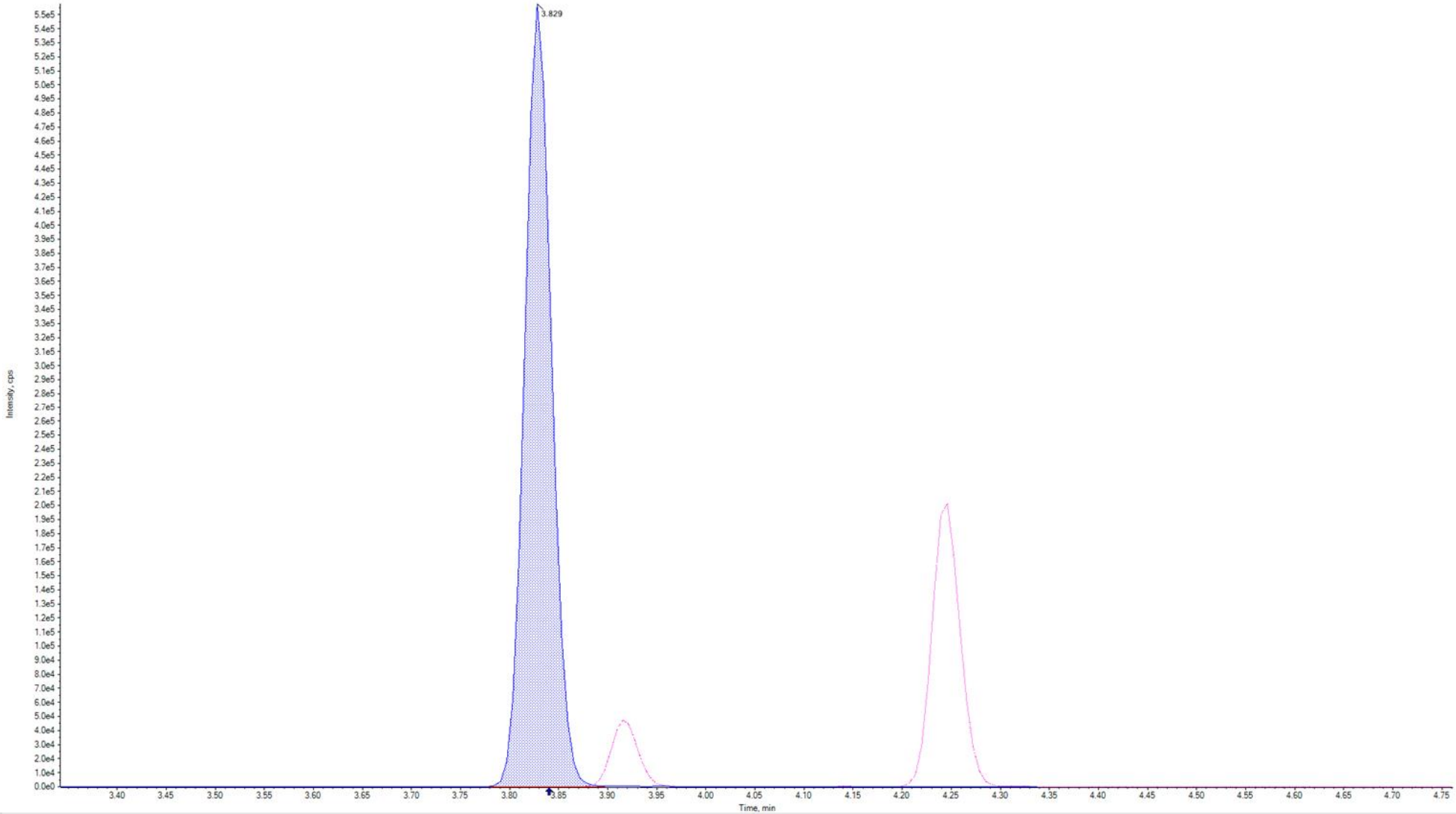
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFHpS
Sample: IA1633STD-25 S/N:7815.5 Points Across peak:31



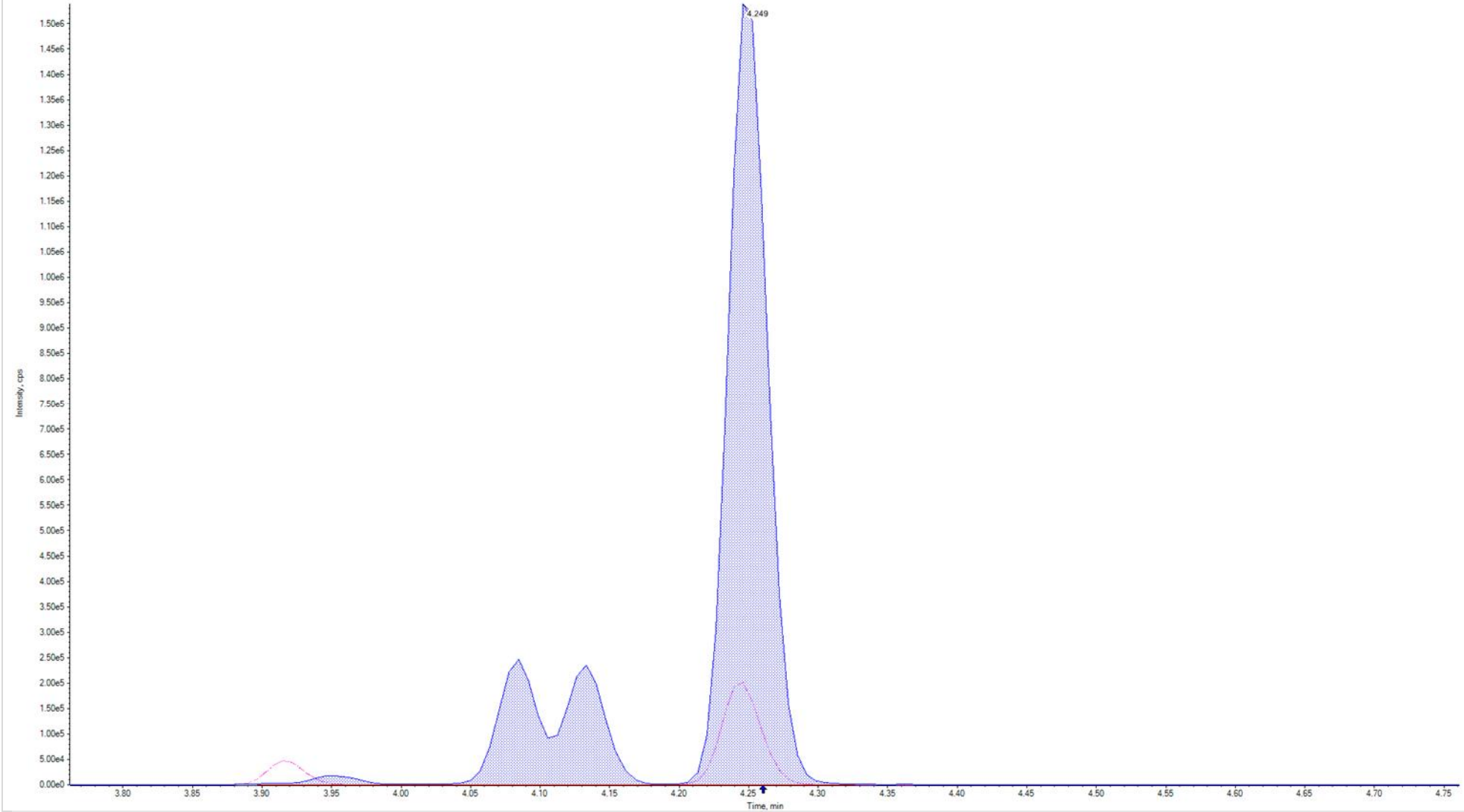
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFHpS_2
Sample: IA1633STD-25 S/N:7066.0 Points Across peak:23



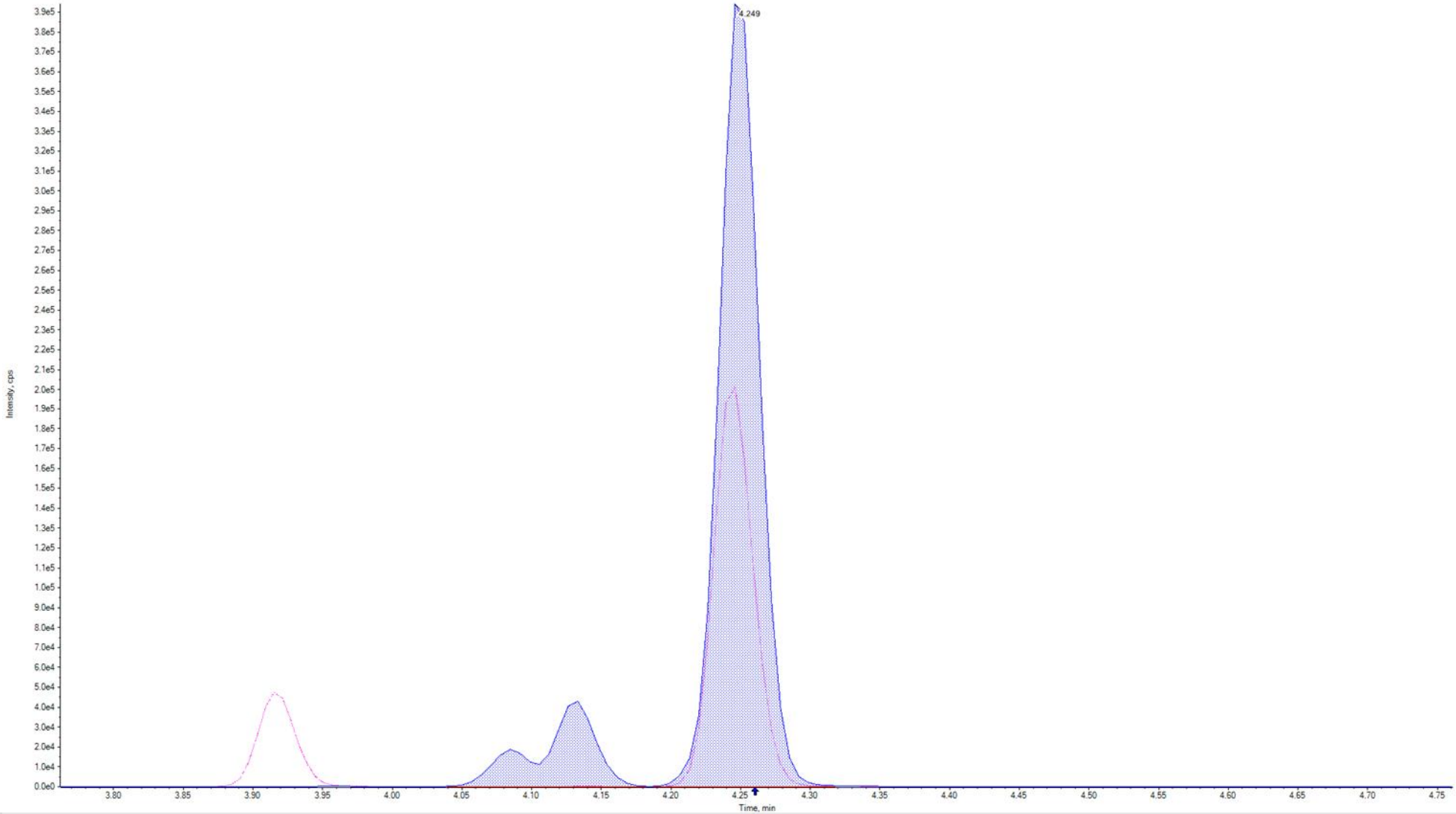
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOS
Sample: IA1633STD-25 S/N:583.5 Points Across peak:67



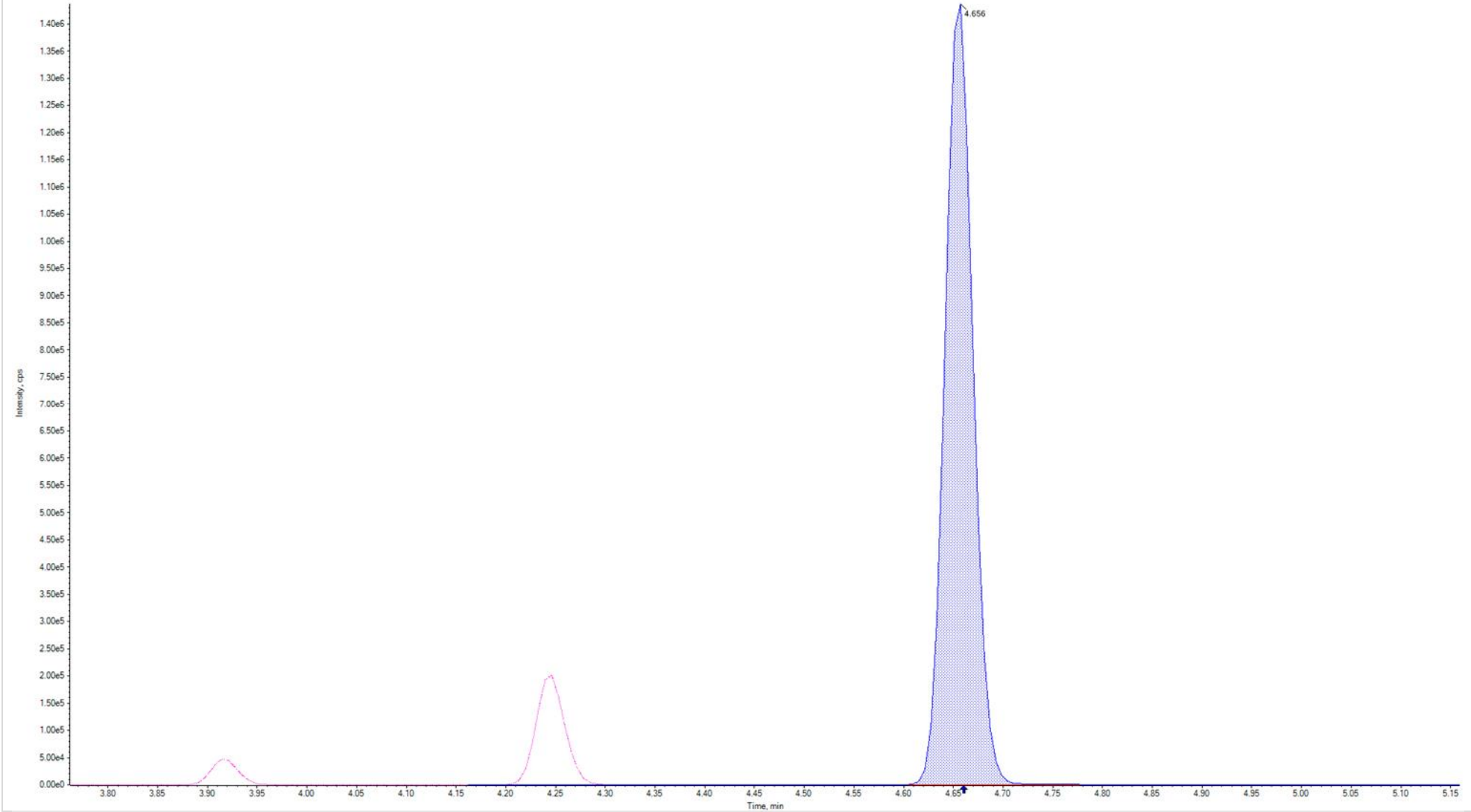
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOS_2
Sample: IA1633STD-25 S/N:1327.4 Points Across peak:42



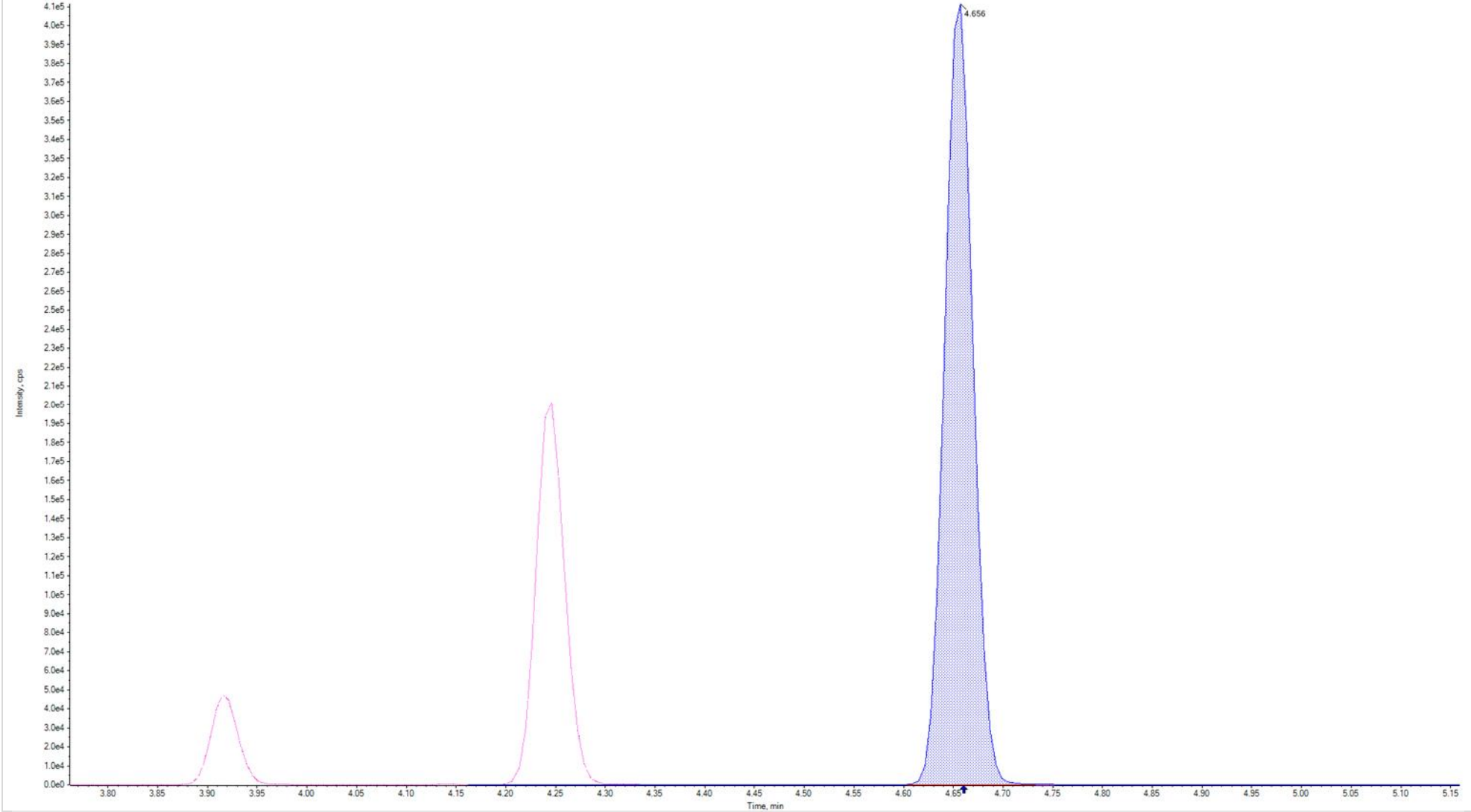
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFNS
Sample: IA1633STD-25 S/N:36011.5 Points Across peak:41



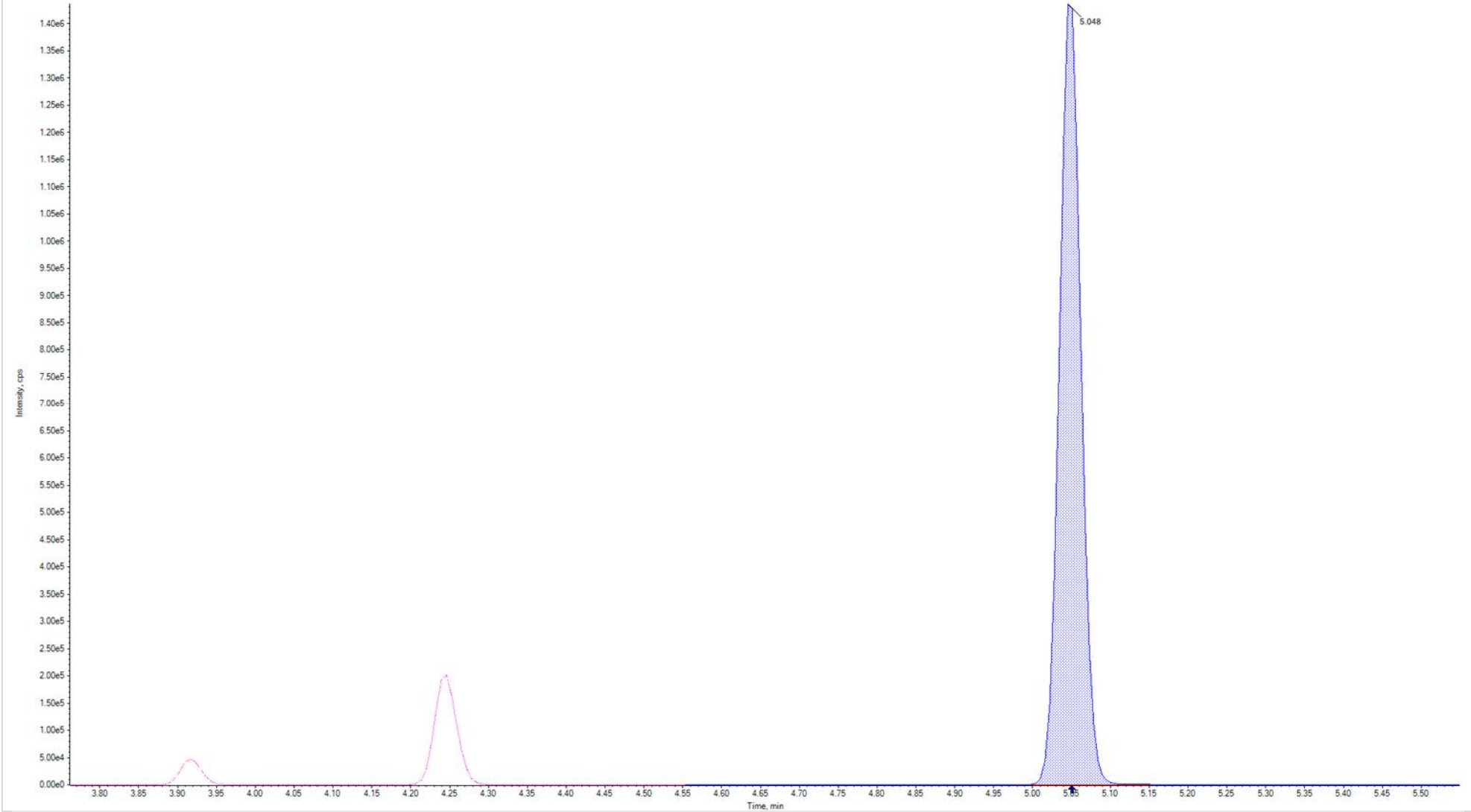
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFNS_2
Sample: IA1633STD-25 S/N:8479.0 Points Across peak:27



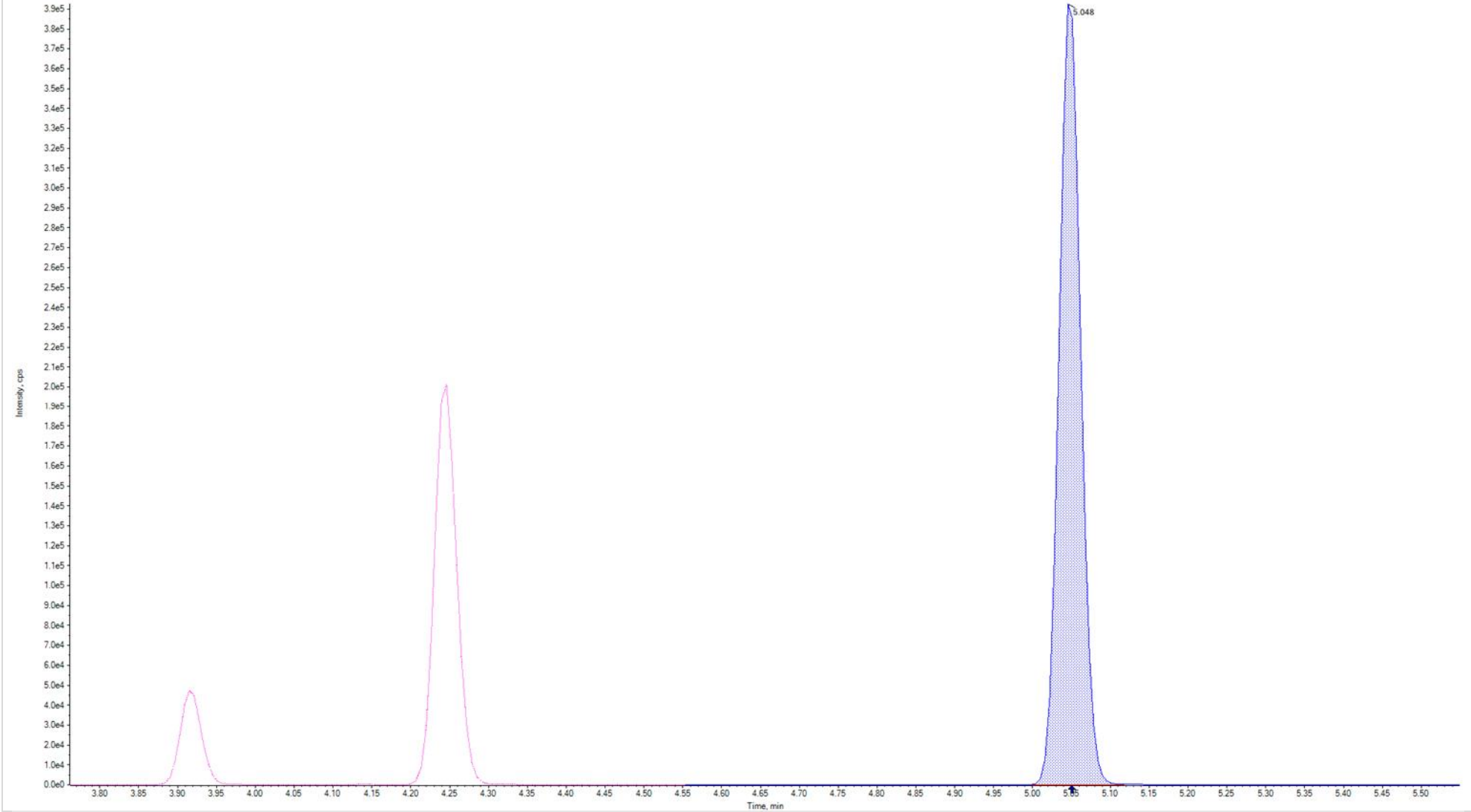
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDS
Sample: IA1633STD-25 S/N:50396.0 Points Across peak:39



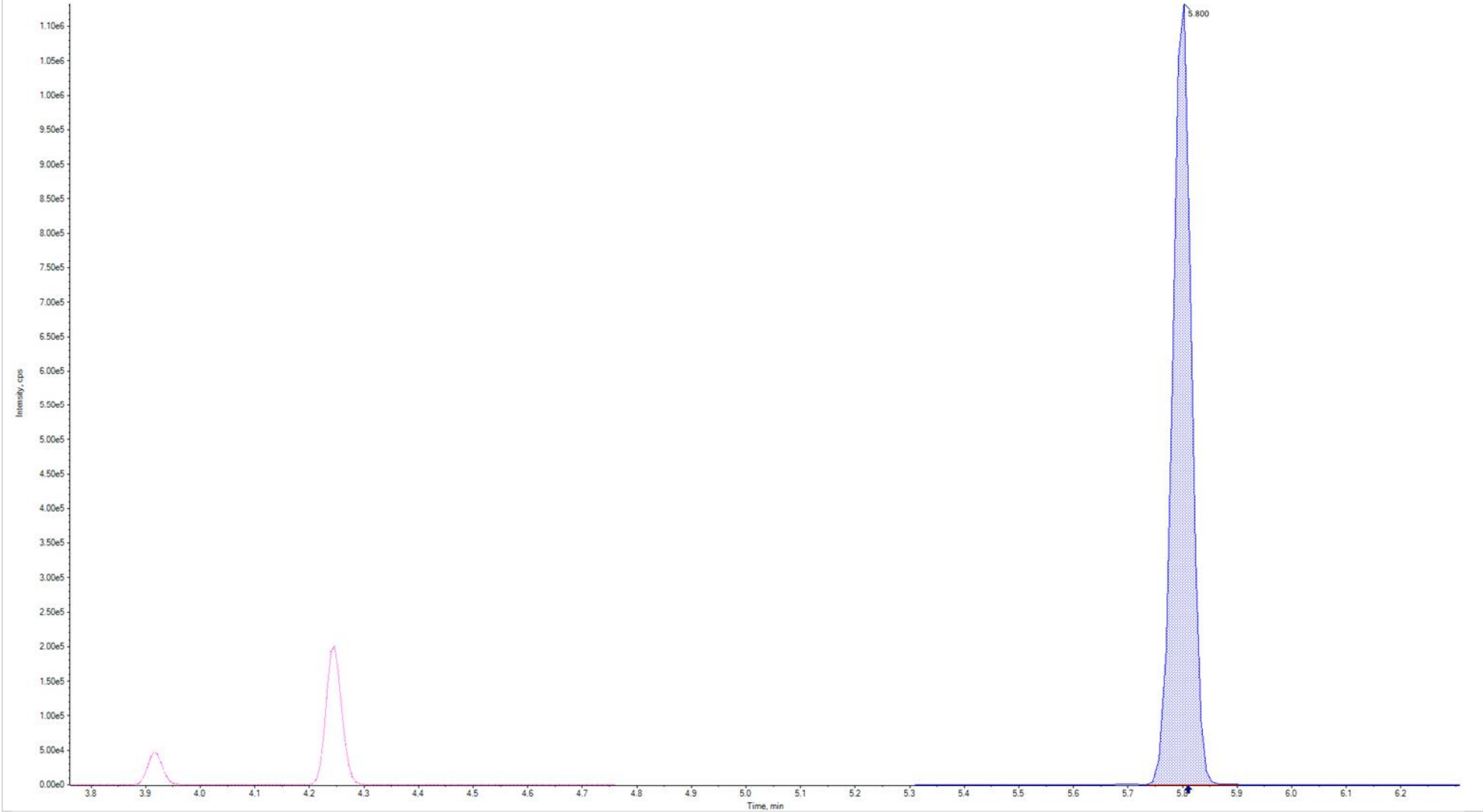
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDS_2
Sample: IA1633STD-25 S/N:8006.8 Points Across peak:25



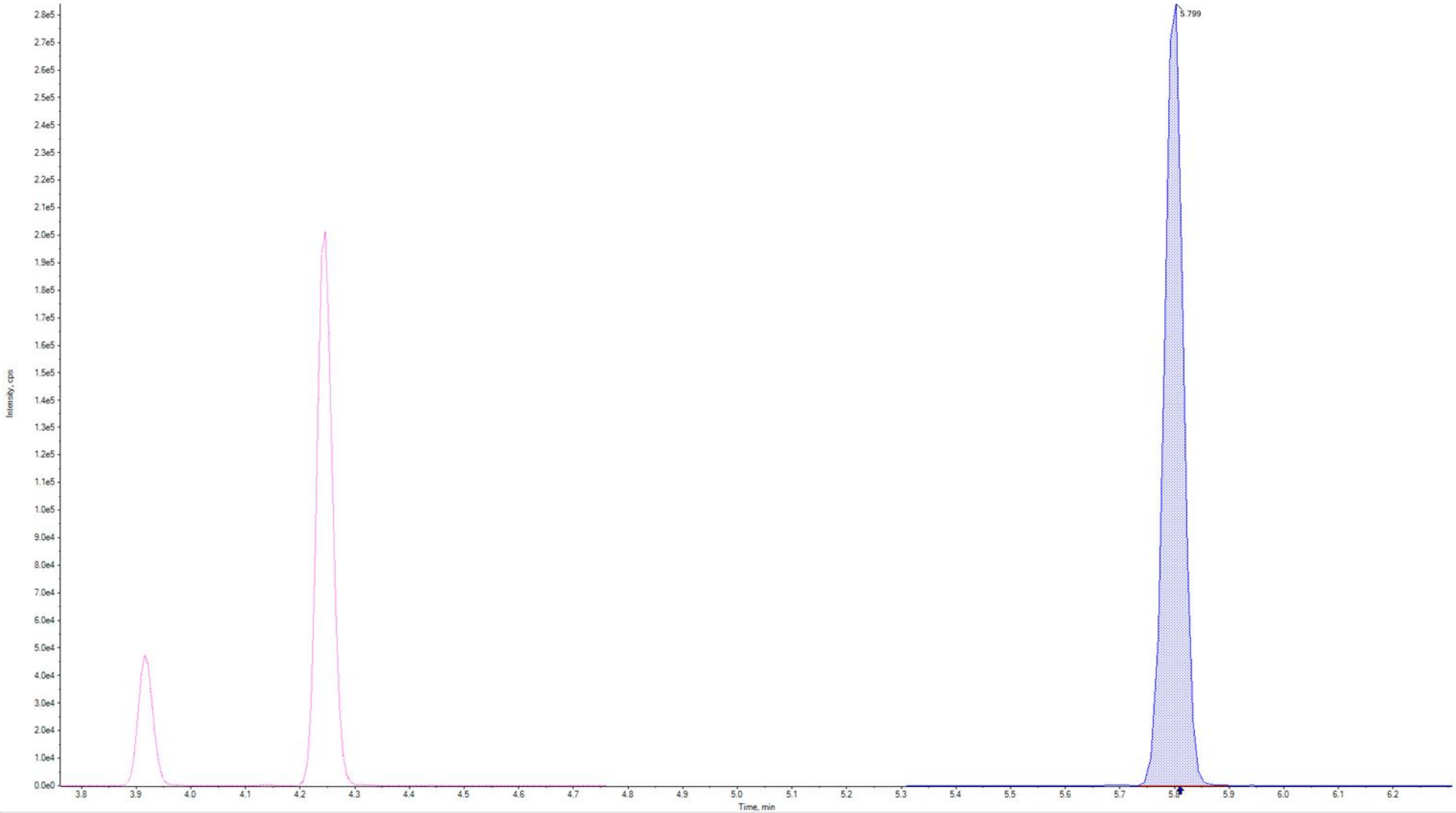
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDoS
Sample: IA1633STD-25 S/N:10884.6 Points Across peak:23



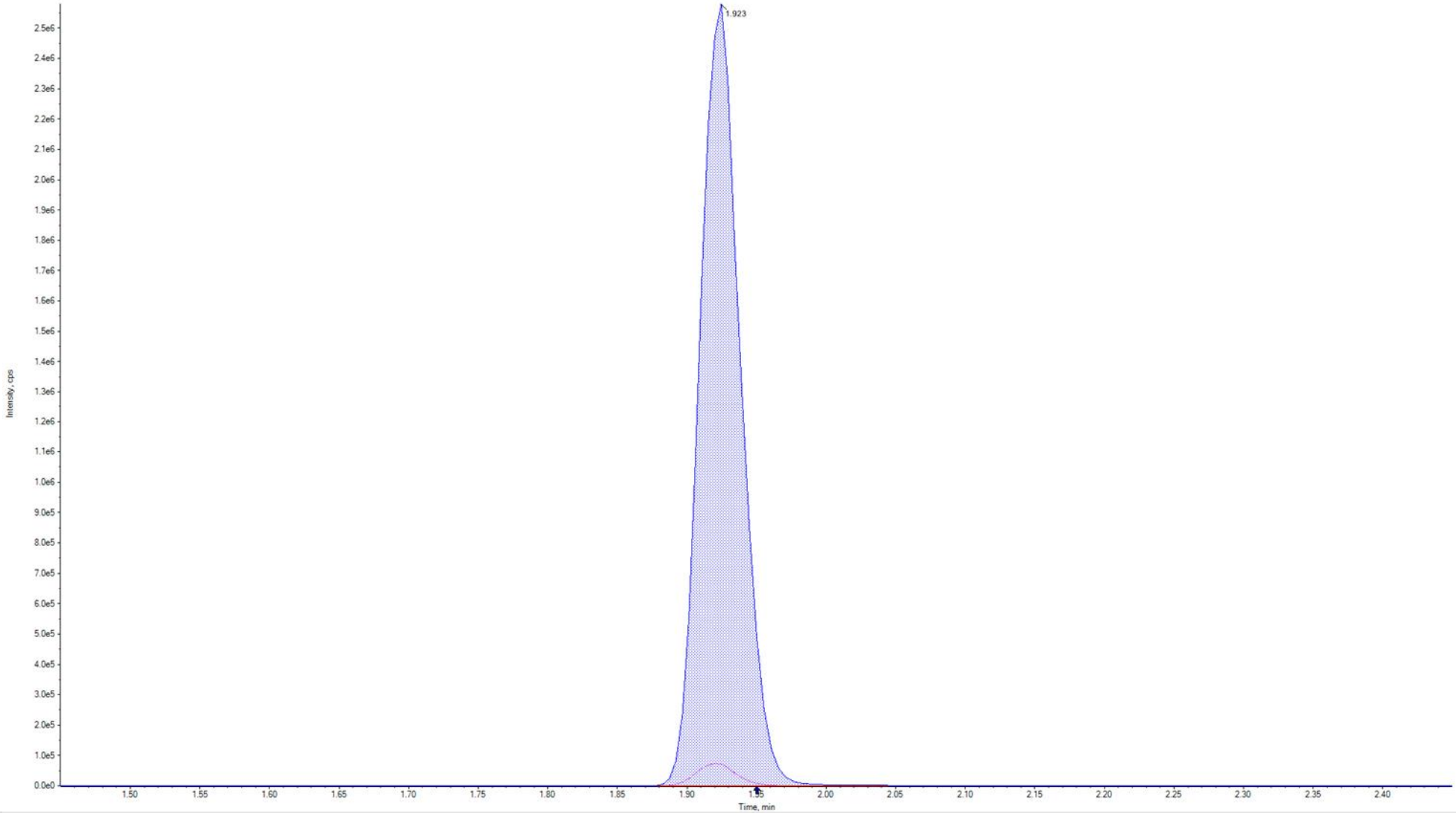
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDoS_2
Sample: IA1633STD-25 S/N:22068.4 Points Across peak:20



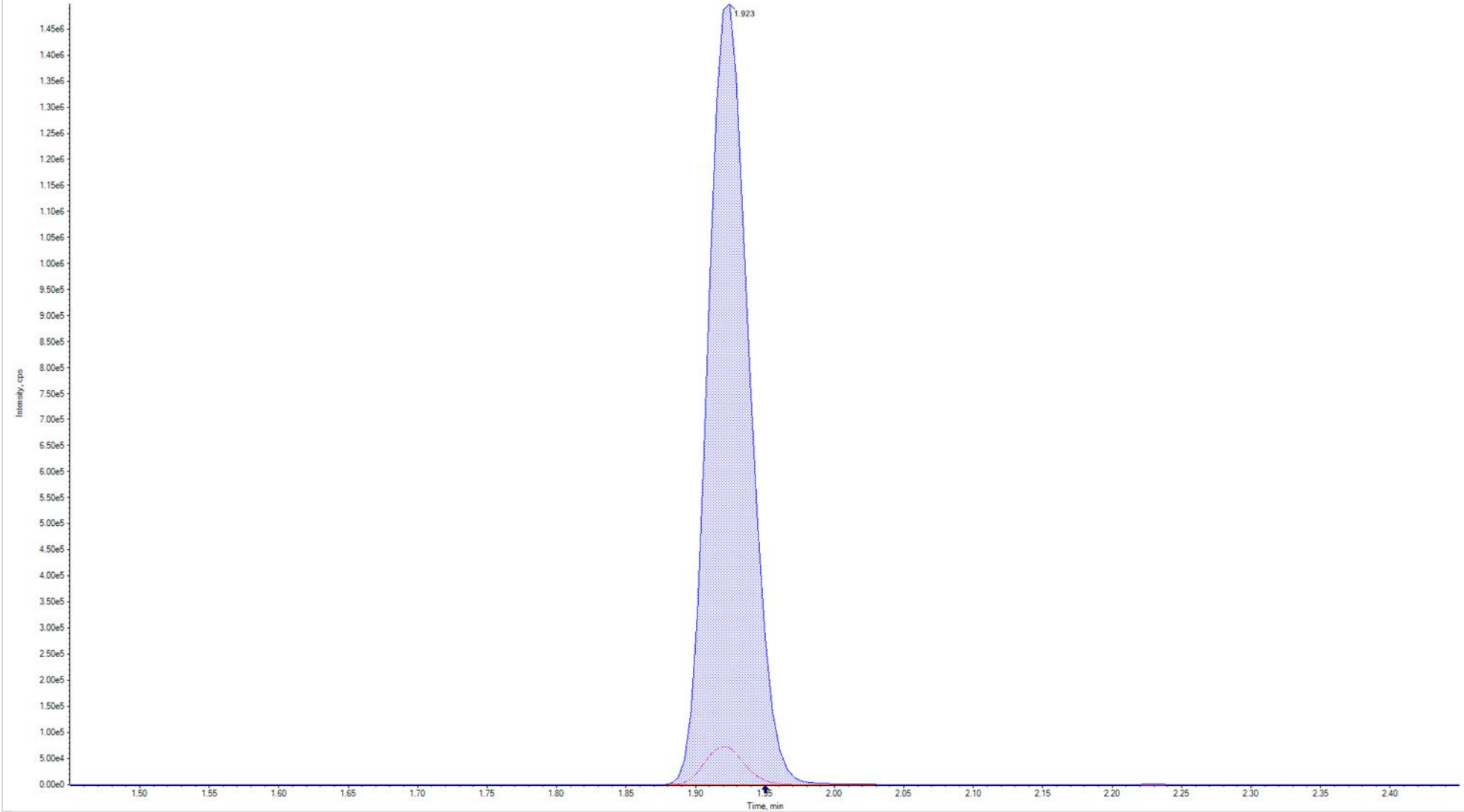
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

4:2FTS
Sample: IA1633STD-25 S/N:16249.2 Points Across peak:50



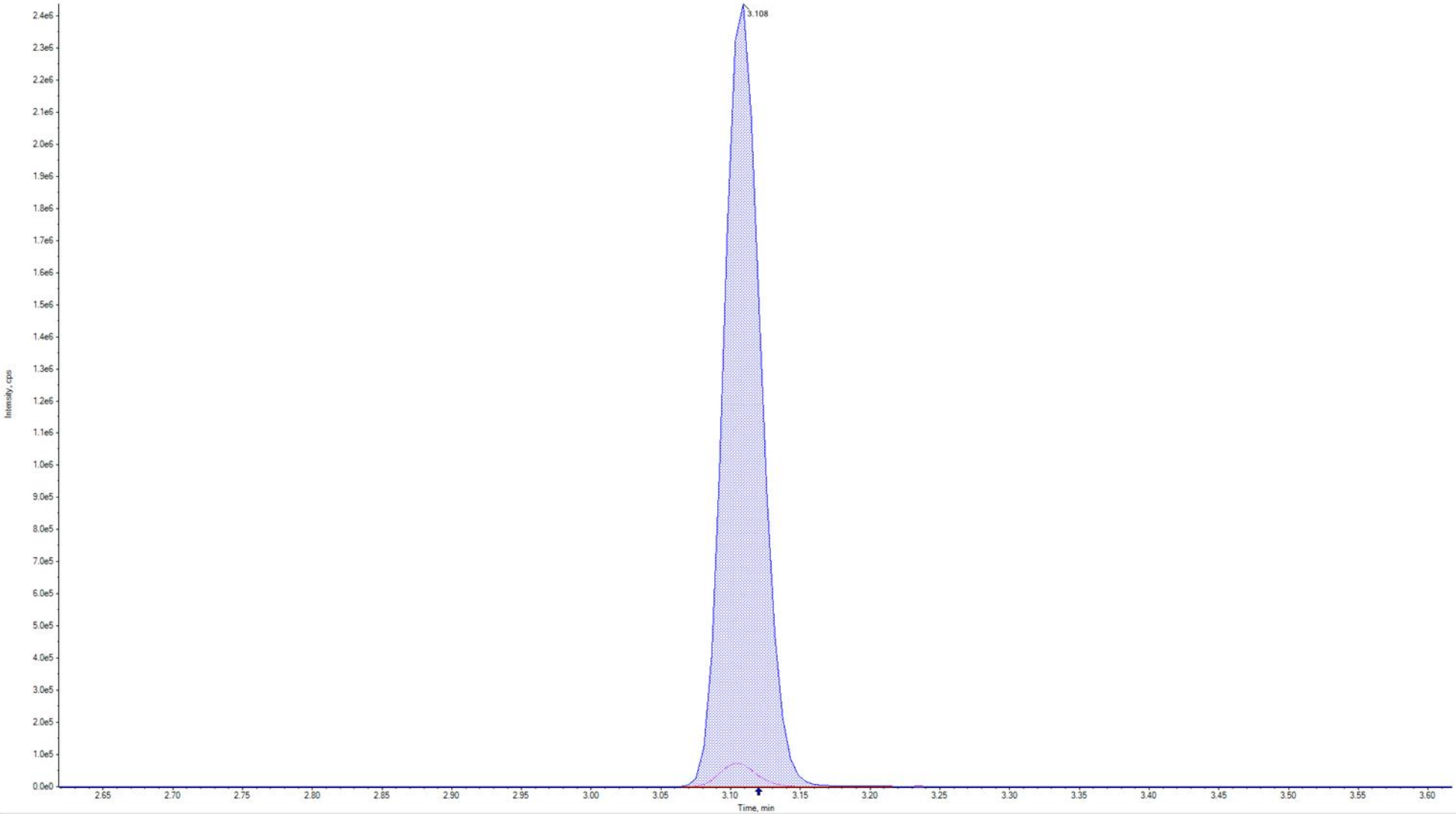
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

4:2FTS_2
Sample: IA1633STD-25 S/N:12719.6 Points Across peak:41



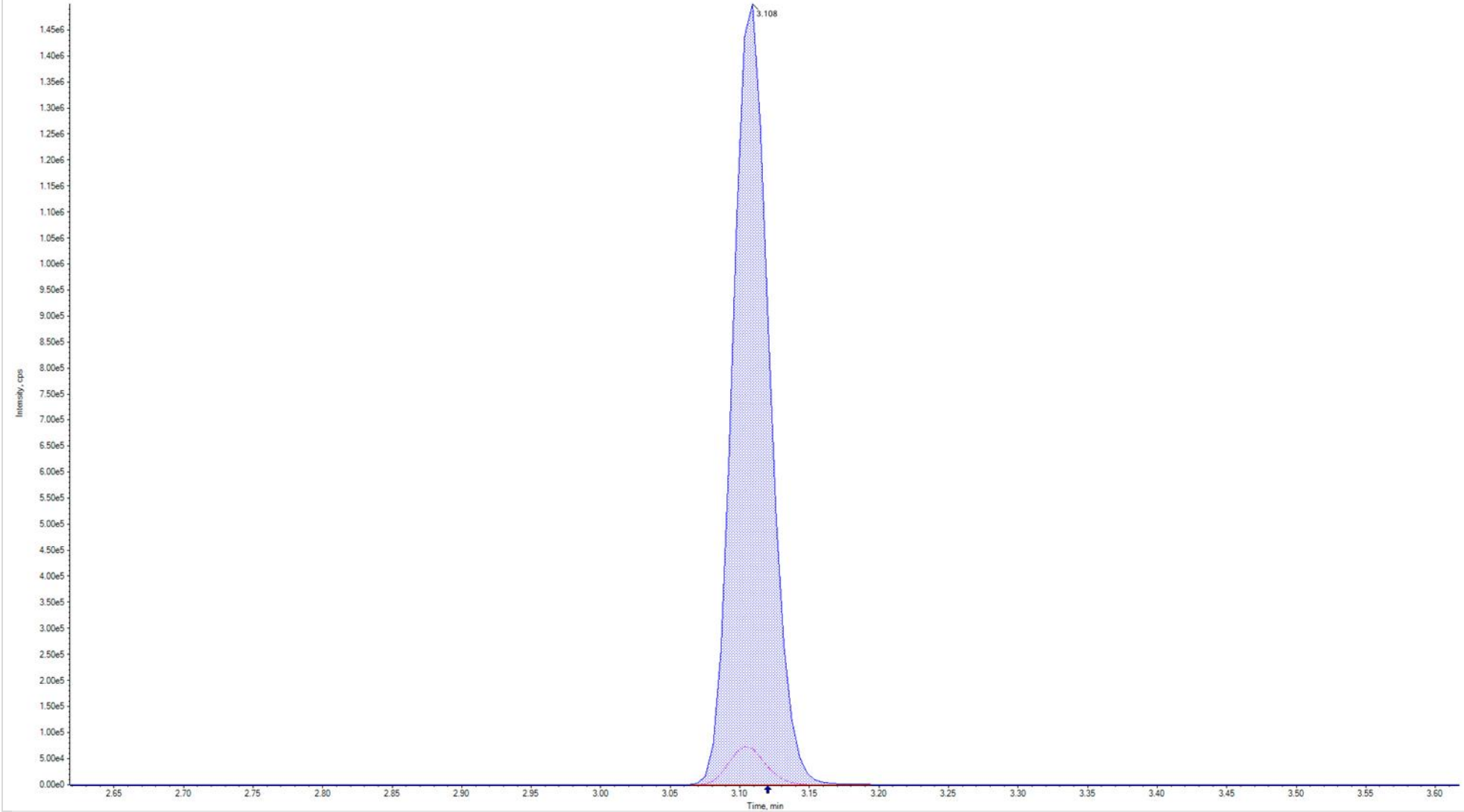
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

6:2FTS
Sample: IA1633STD-25 S/N:15103.3 Points Across peak:33



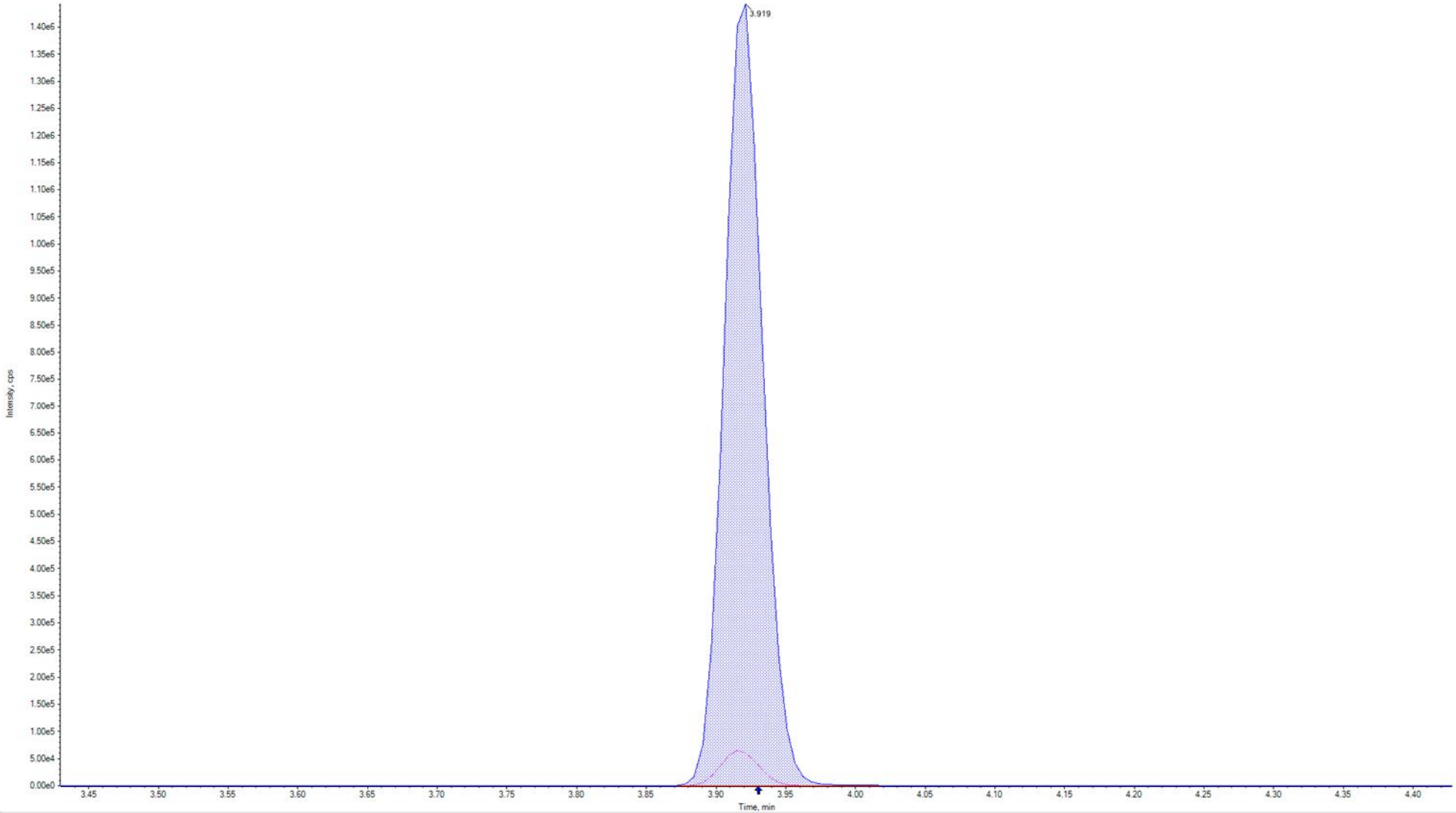
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

6:2FTS_2
Sample: IA1633STD-25 S/N:11645.3 Points Across peak:34



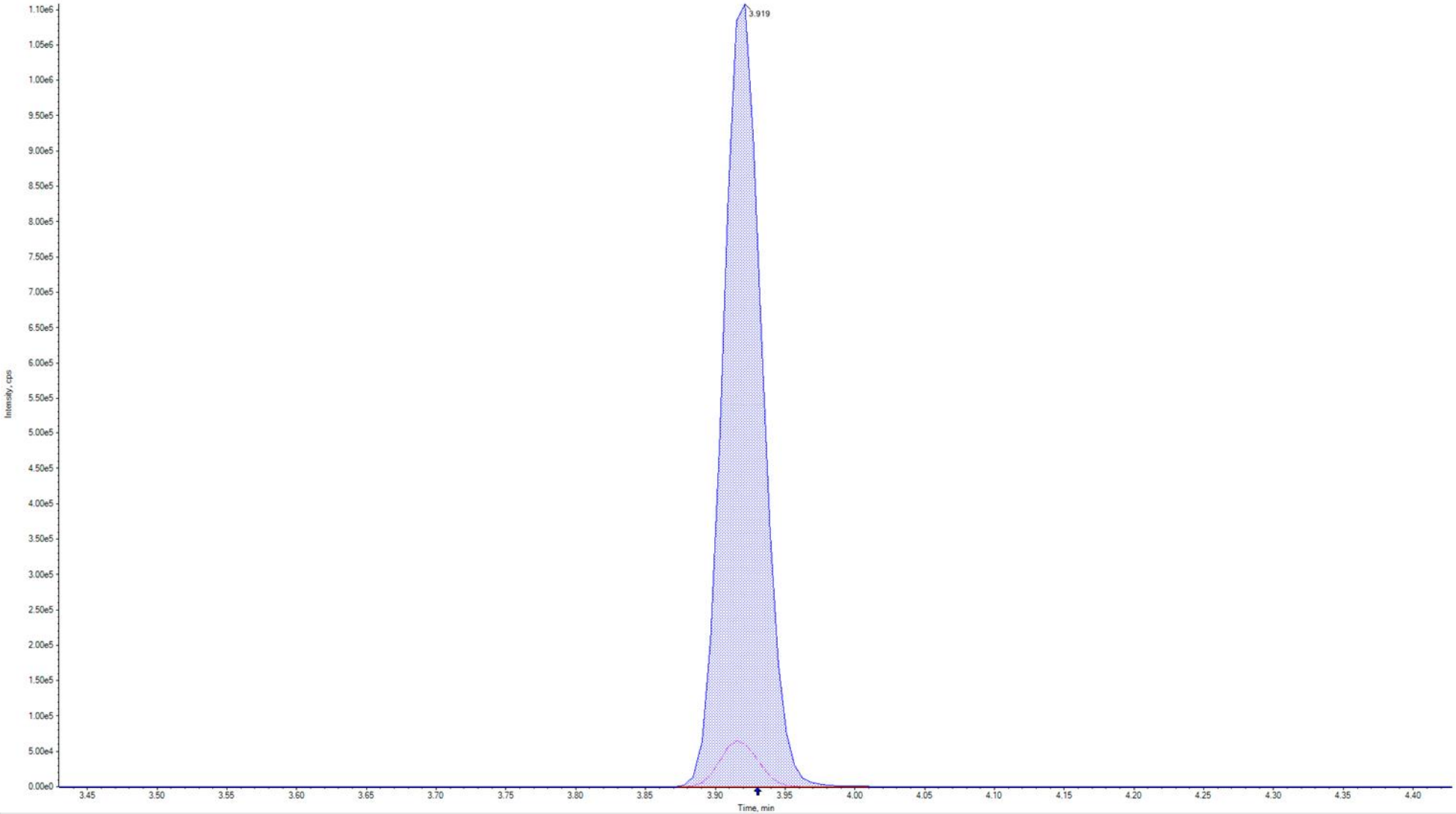
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

8:2FTS
Sample: IA1633STD-25 S/N:8169.8 Points Across peak:38



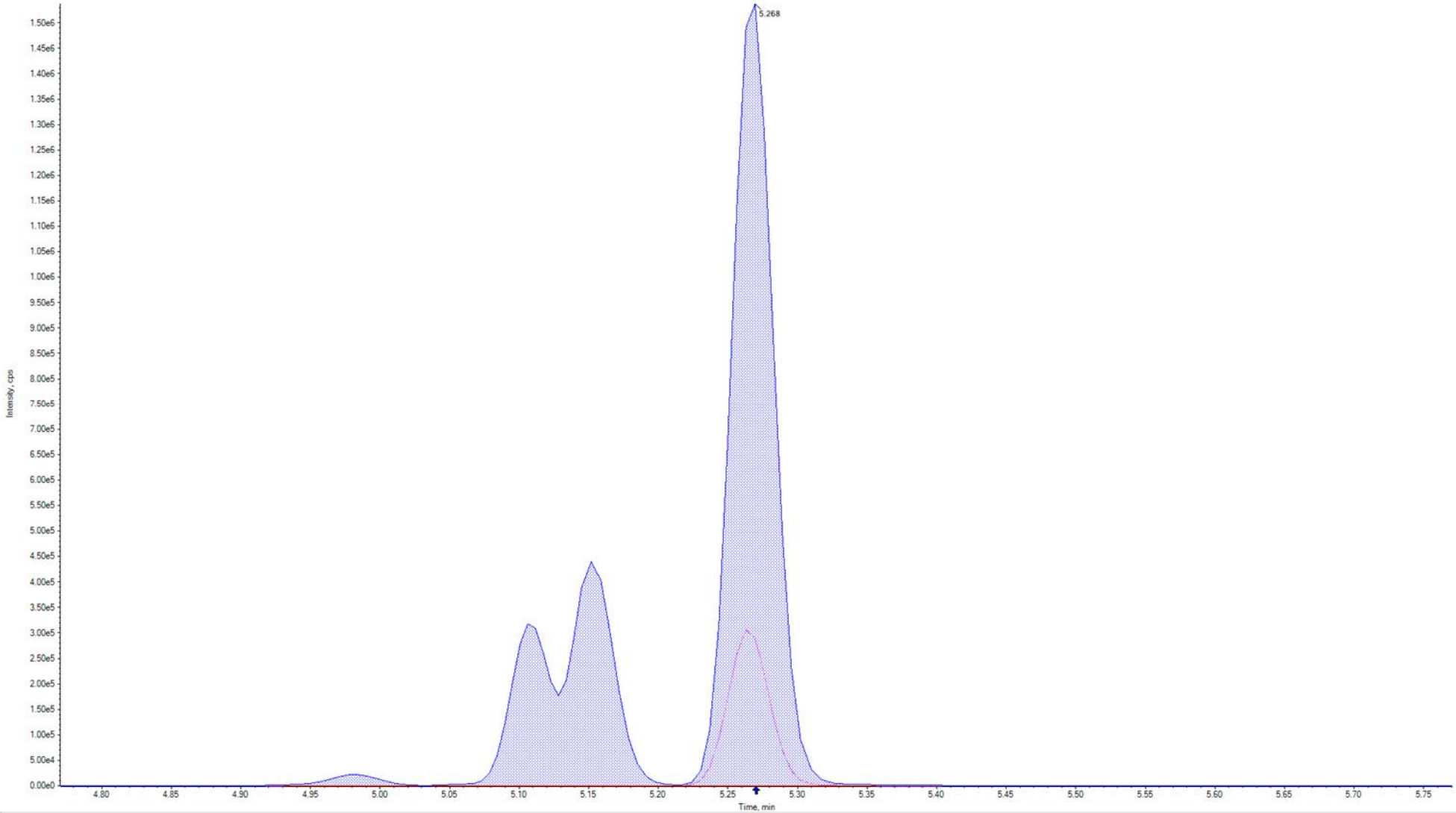
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

8:2FTS_2
Sample: IA1633STD-25 S/N:9941.4 Points Across peak:29



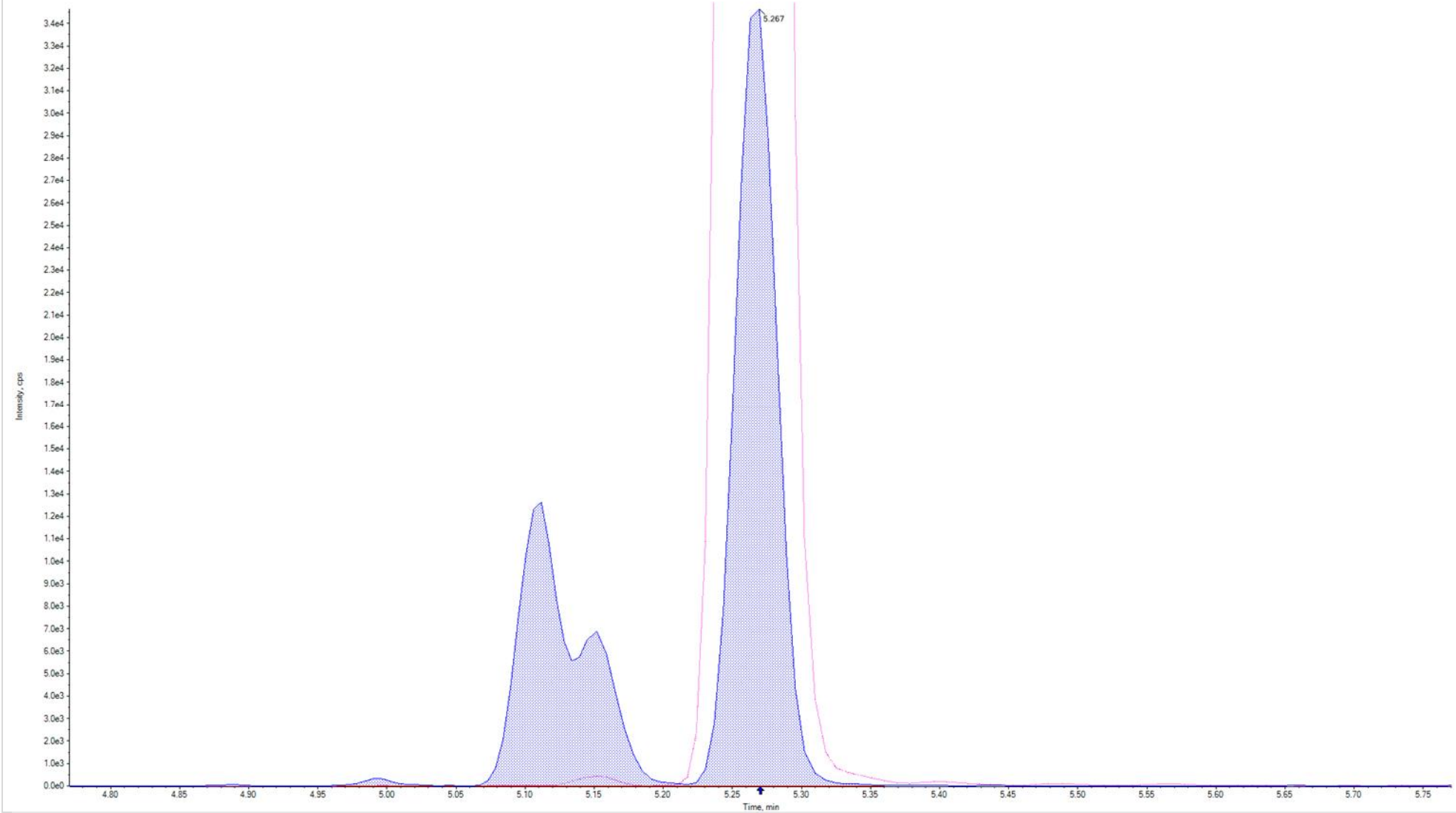
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOSA
Sample: IA1633STD-25 S/N:254.4 Points Across peak:68



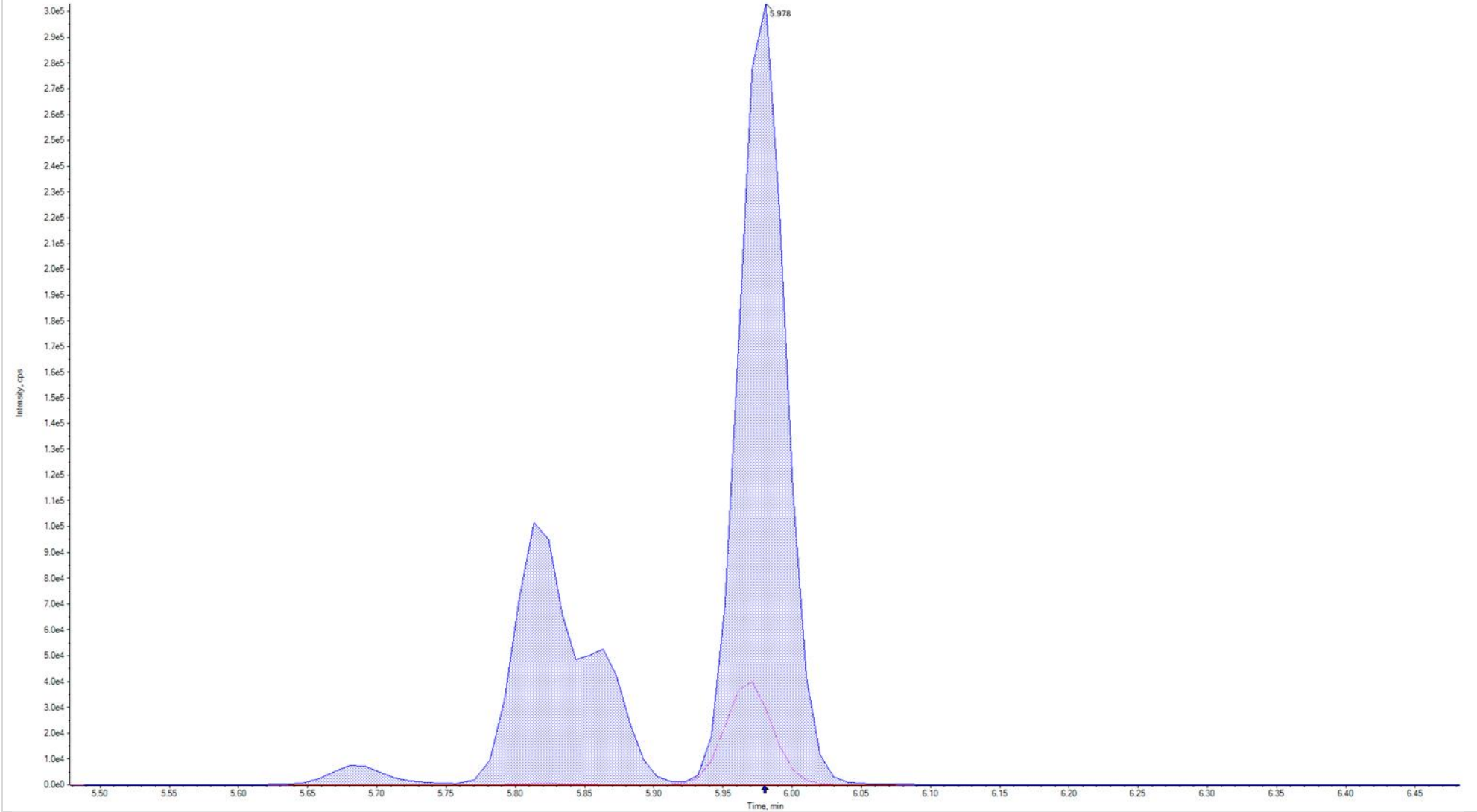
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOSA_2
Sample: IA1633STD-25 S/N:303.9 Points Across peak:64



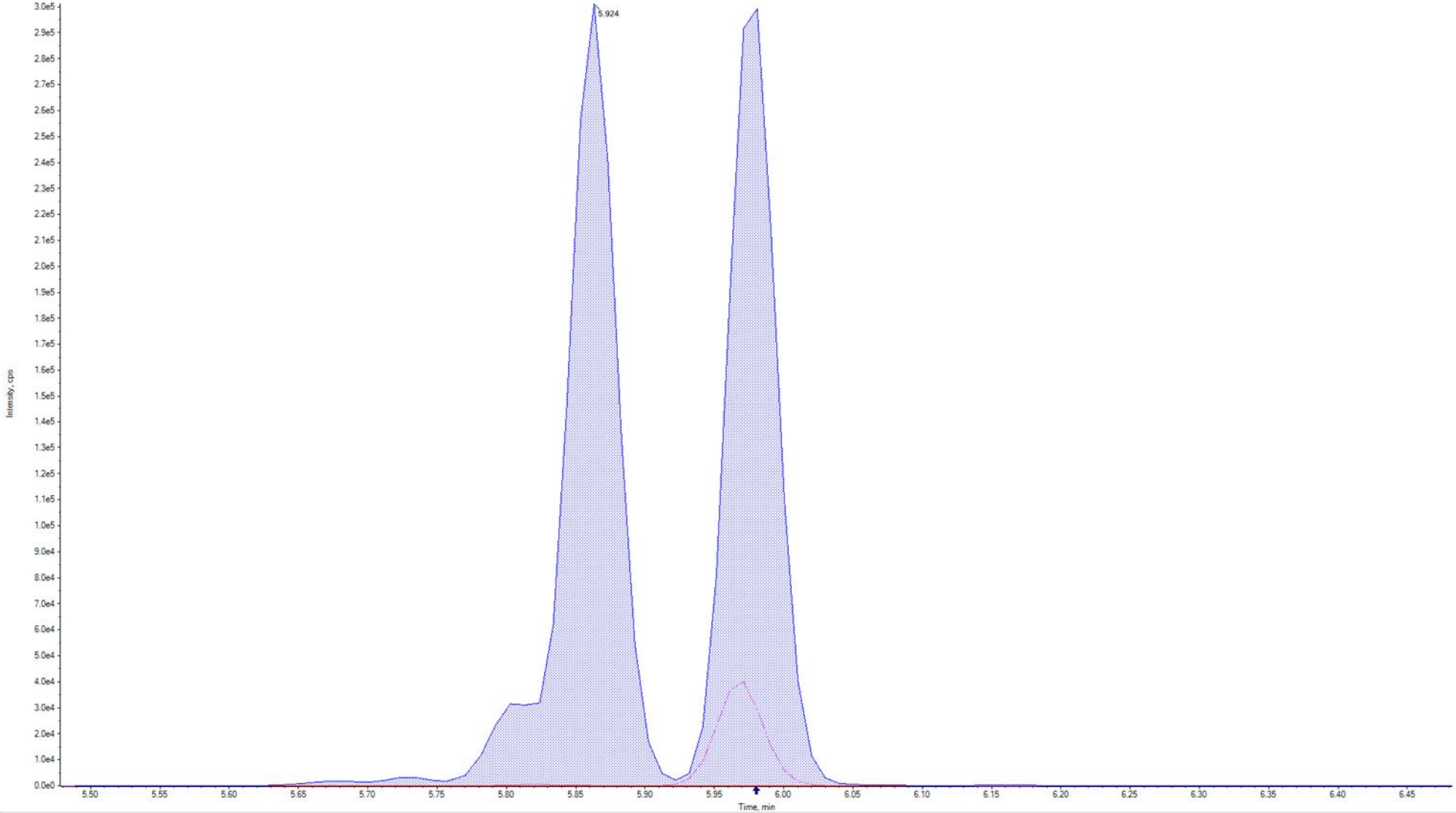
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSA
Sample: IA1633STD-25 S/N:284.1 Points Across peak:45



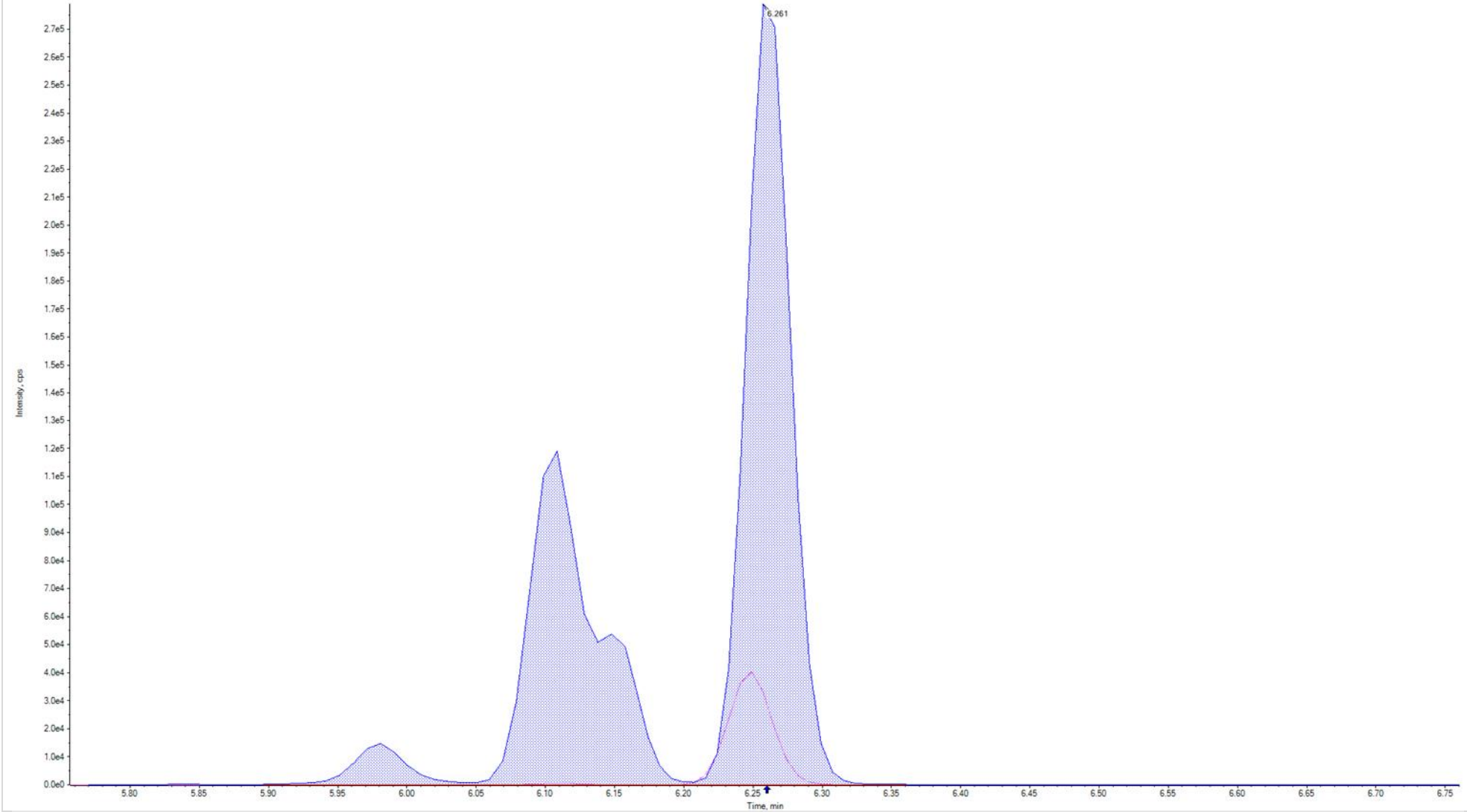
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSA_2
Sample: IA1633STD-25 S/N:230.5 Points Across peak:51



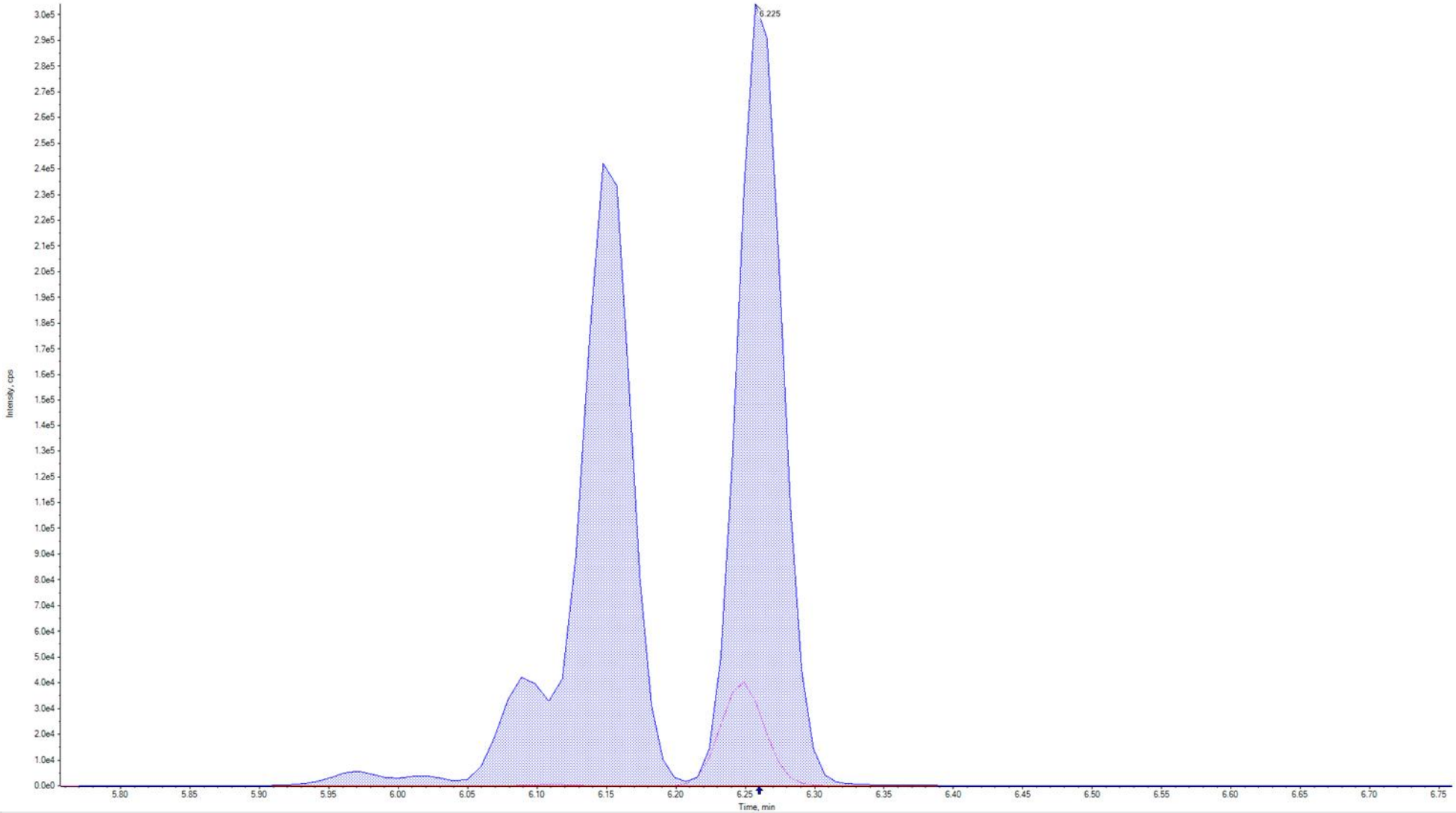
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSA
Sample: IA1633STD-25 S/N:1030.9 Points Across peak:62



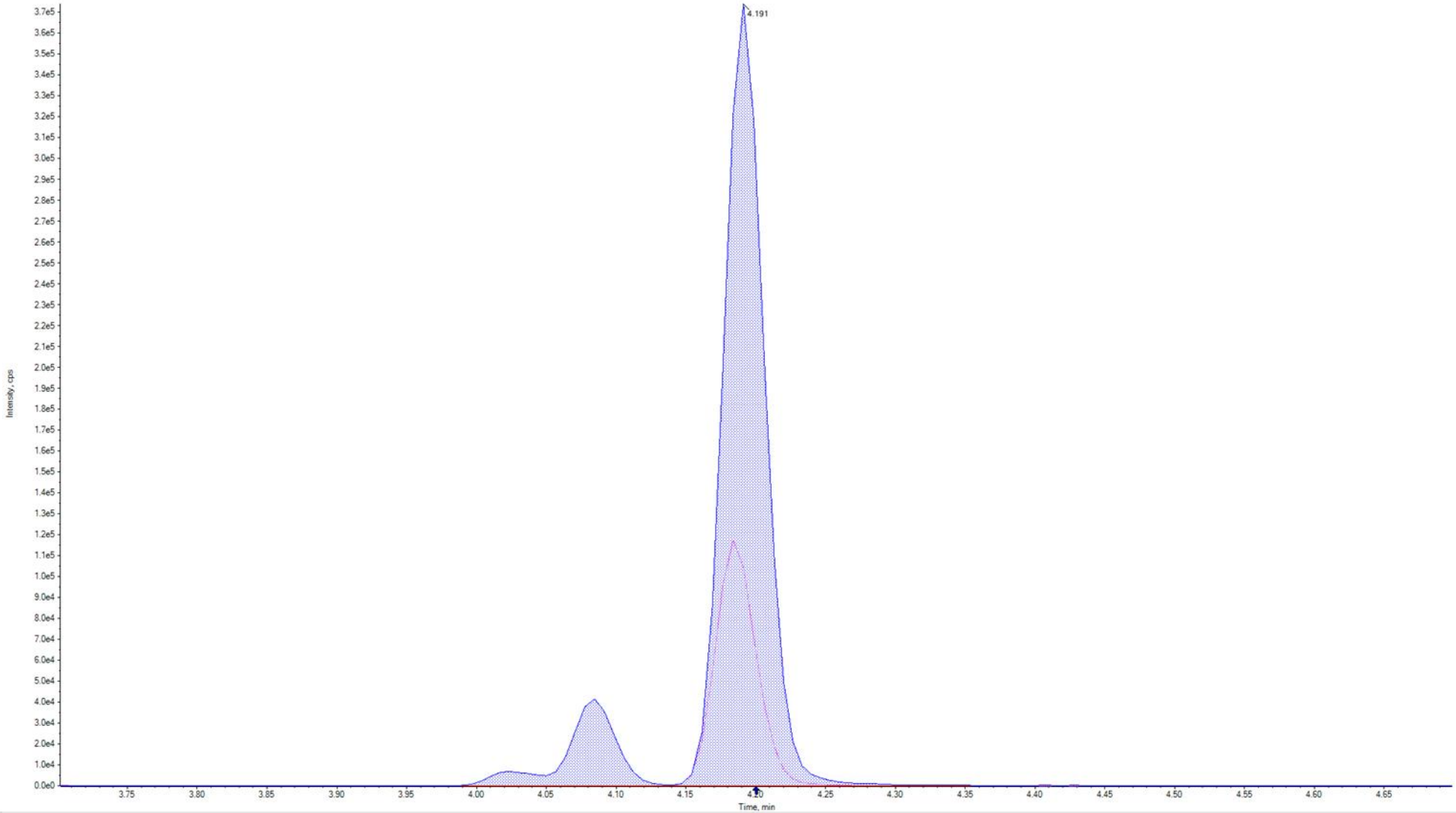
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSA_2
Sample: IA1633STD-25 S/N:976.5 Points Across peak:63



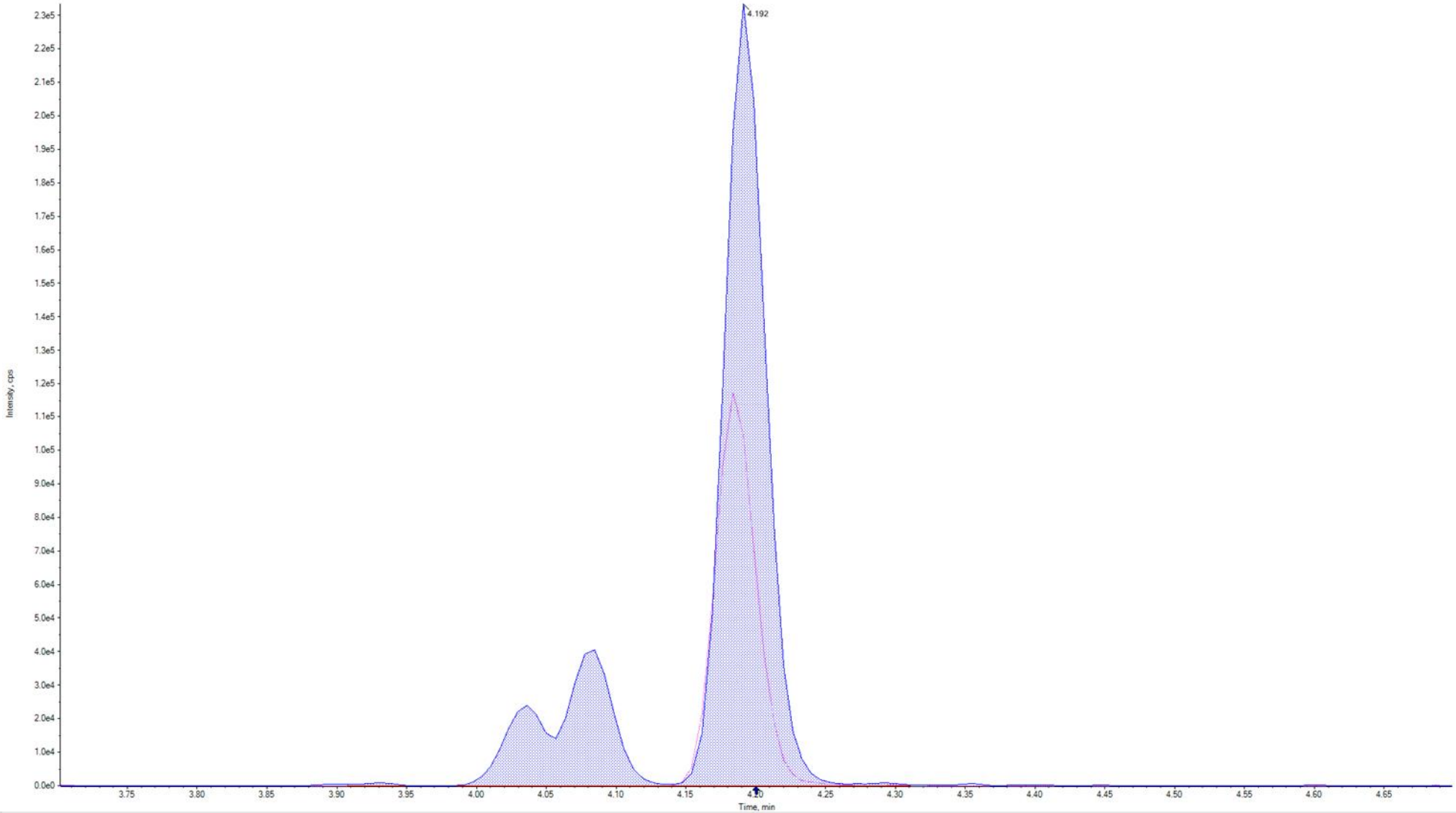
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSAA
Sample: IA1633STD-25 S/N:969.0 Points Across peak:59



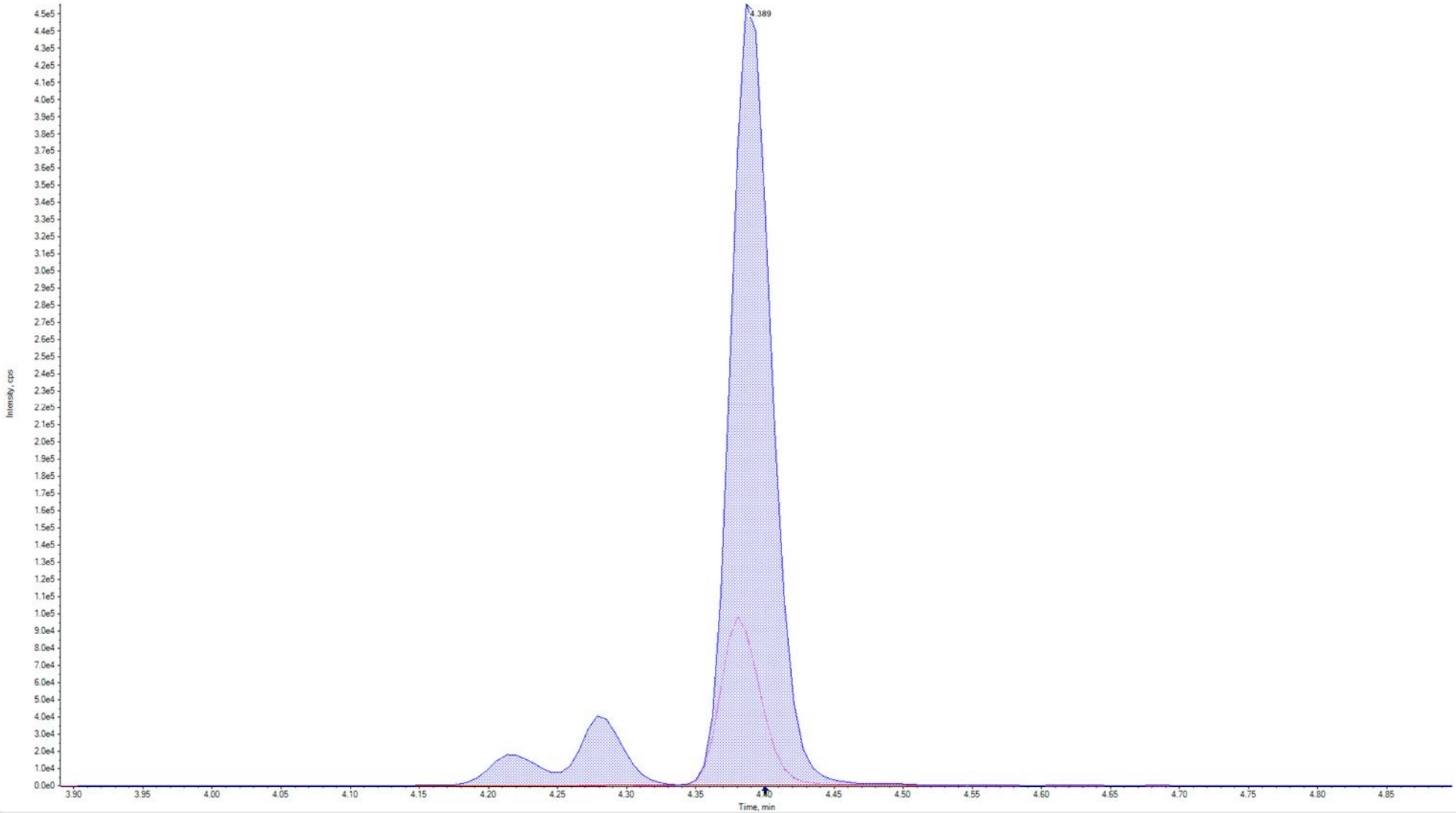
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSAA_2
Sample: IA1633STD-25 S/N:545.0 Points Across peak:63



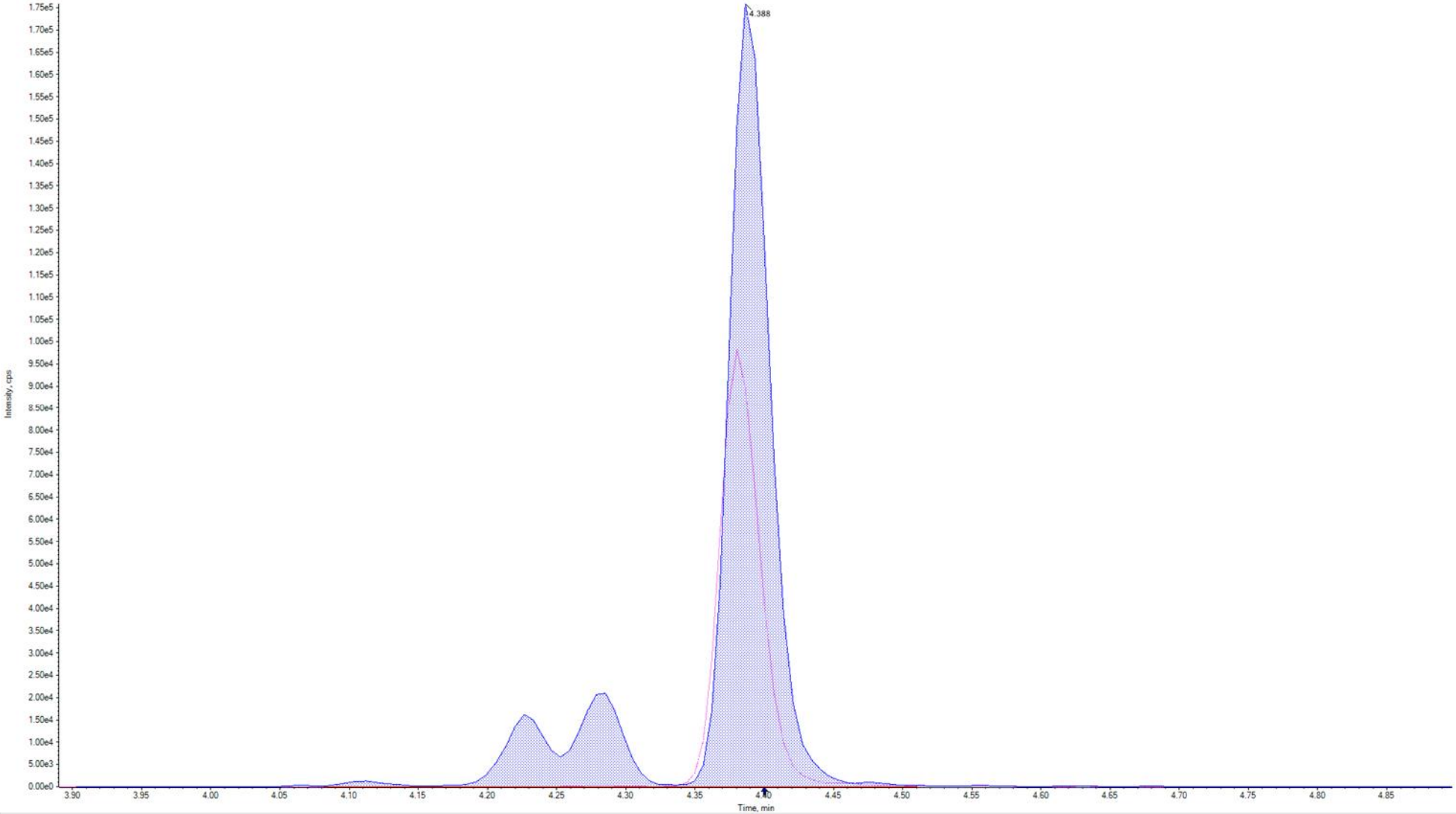
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSAA
Sample: IA1633STD-25 S/N:787.3 Points Across peak:62



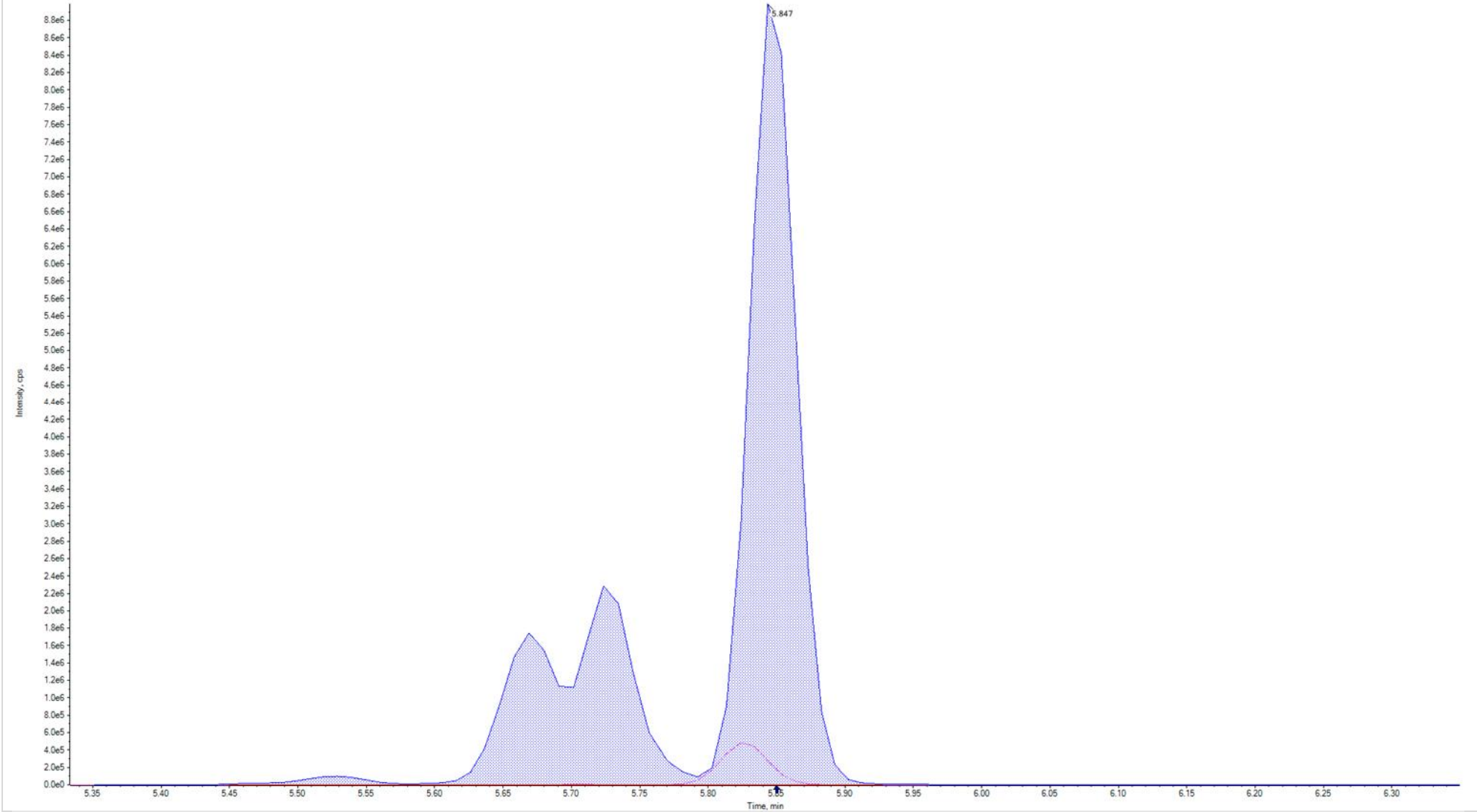
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSAA_2
Sample: IA1633STD-25 S/N:485.1 Points Across peak:67



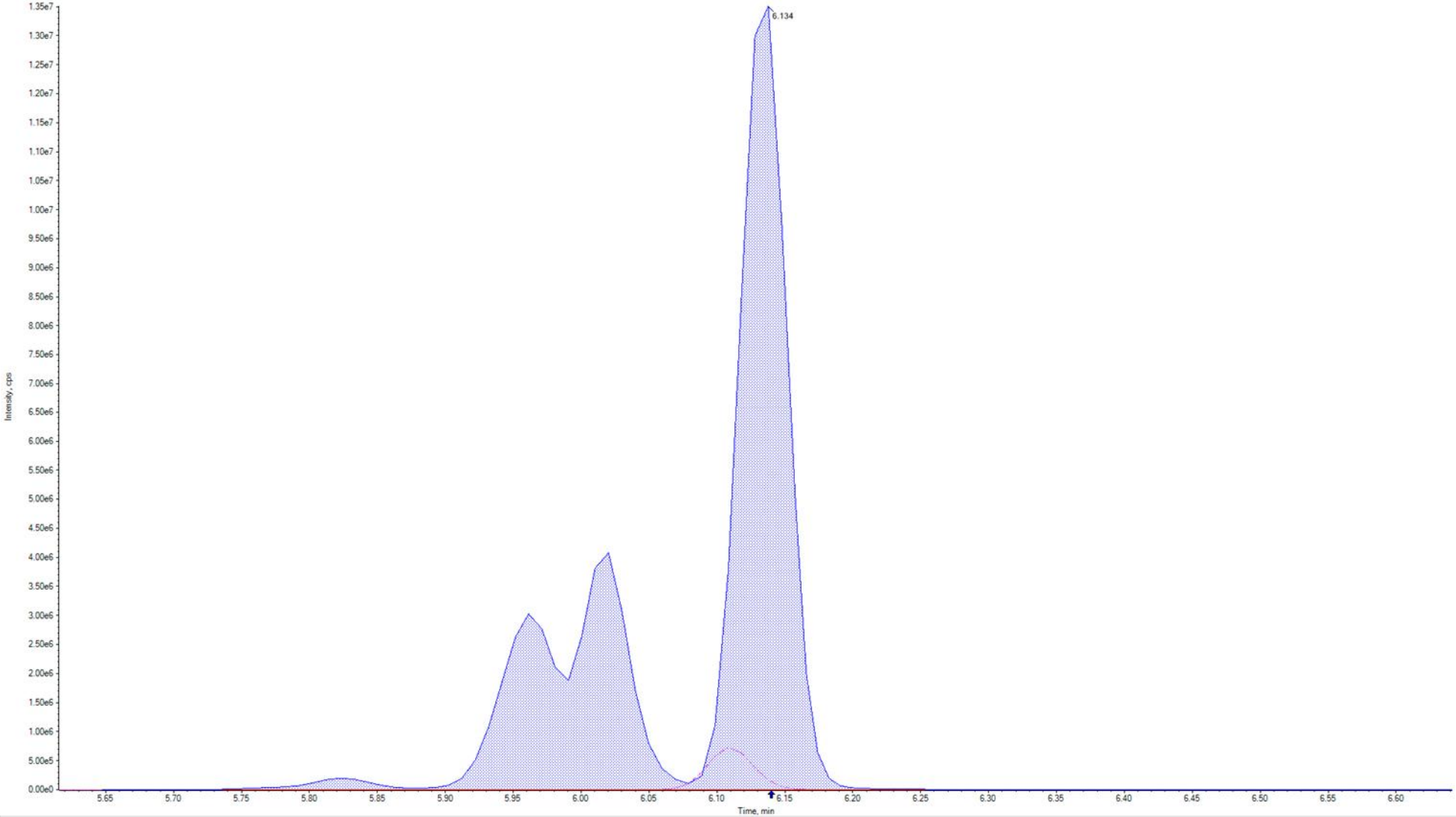
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSE
Sample: IA1633STD-25 S/N:224.4 Points Across peak:49



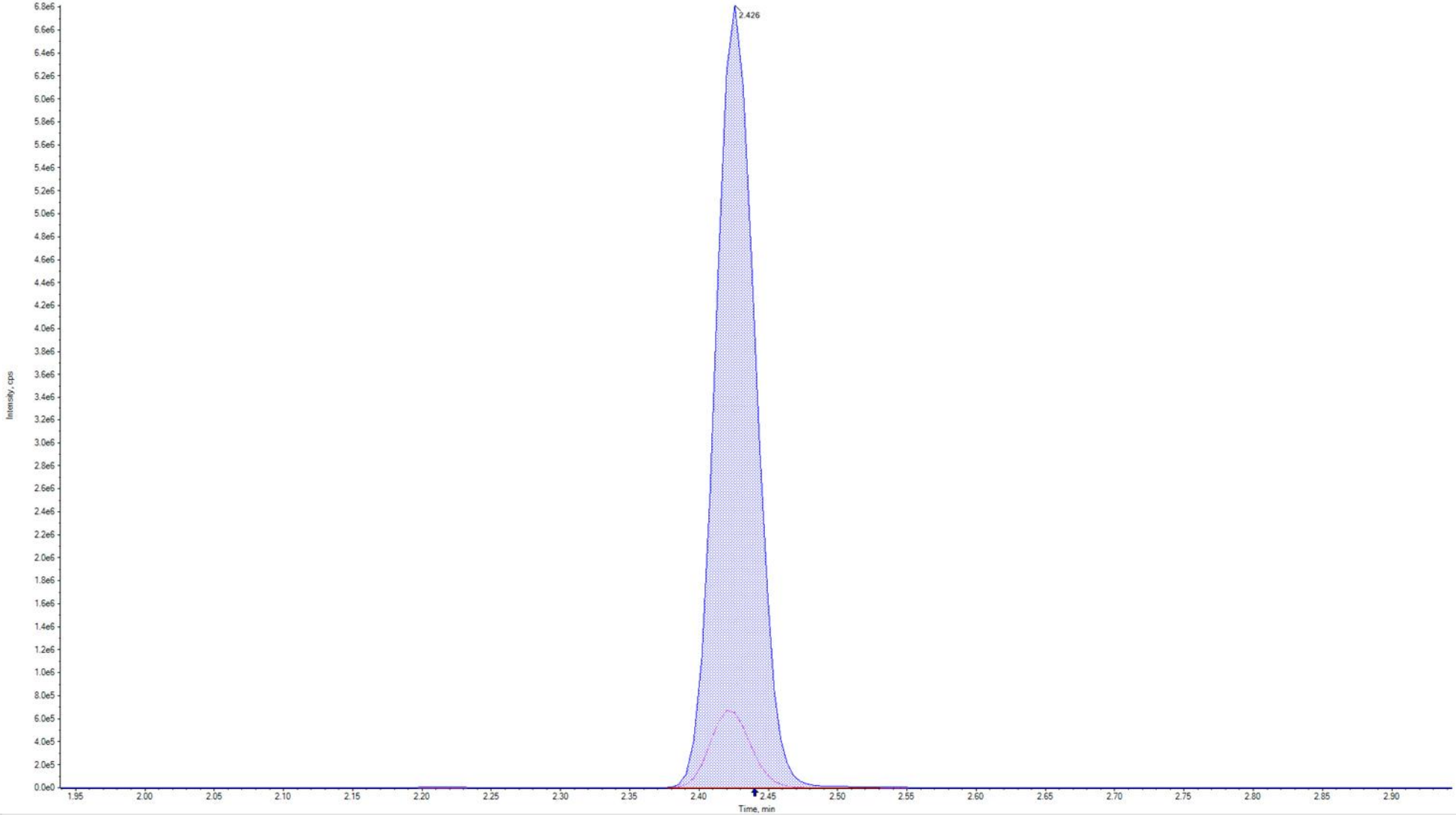
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSE
Sample: IA1633STD-25 S/N:391.8 Points Across peak:65



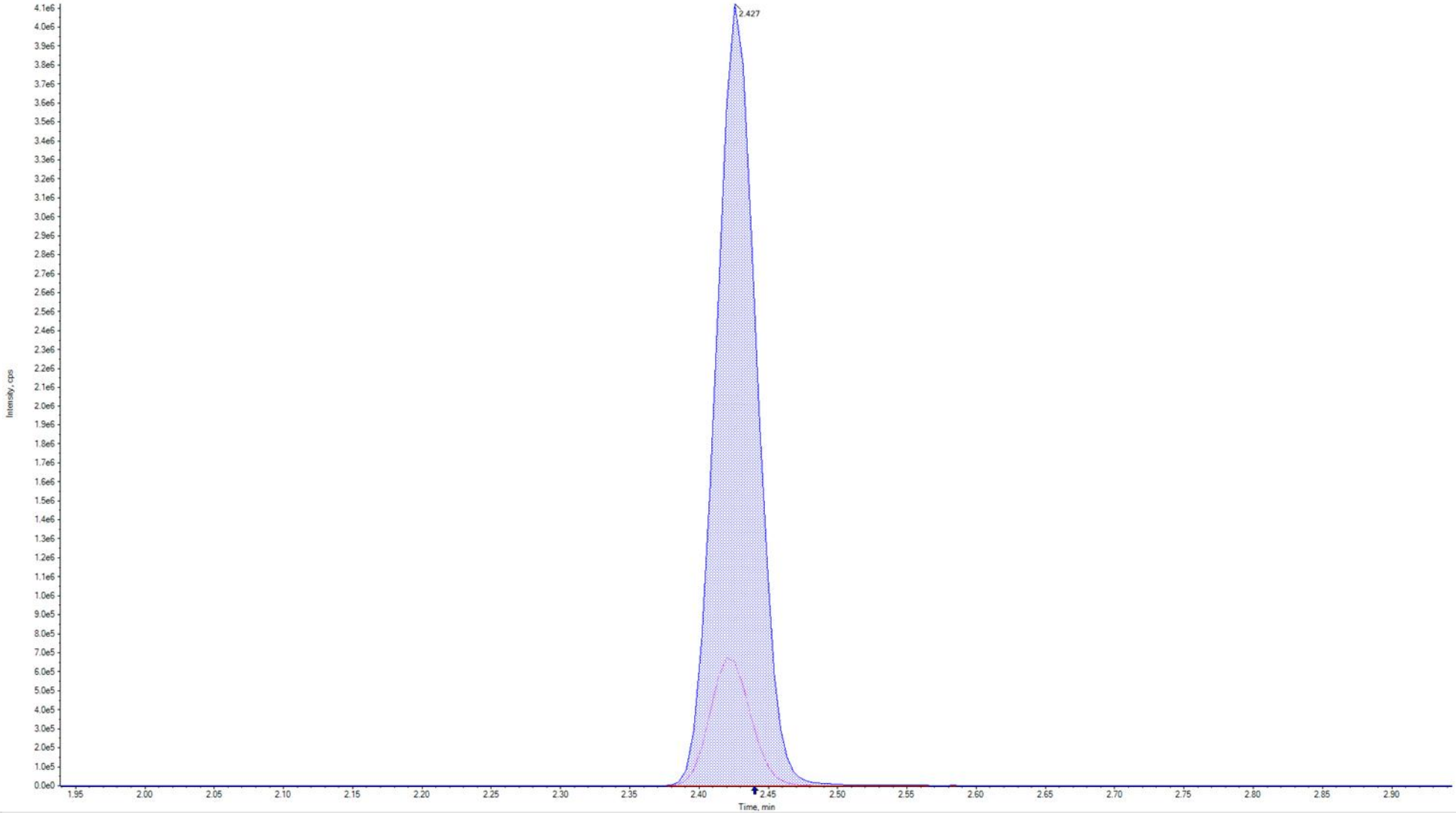
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

HFPO-DA
Sample: IA1633STD-25 S/N:153720.3 Points Across peak:33



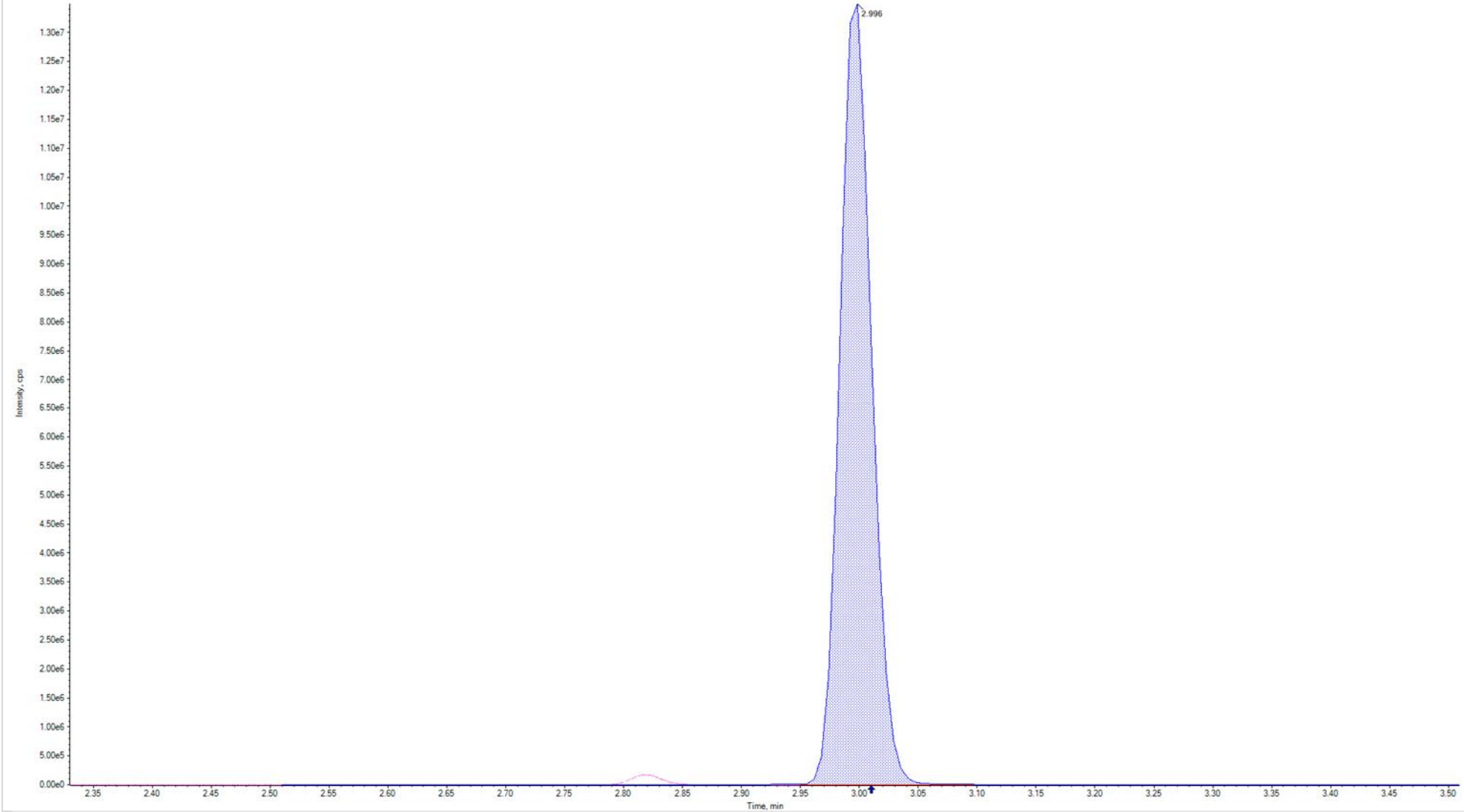
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

HFPO-DA_2
Sample: IA1633STD-25 S/N:92991.1 Points Across peak:48



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

ADONA
Sample: IA1633STD-25 S/N:68104.8 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
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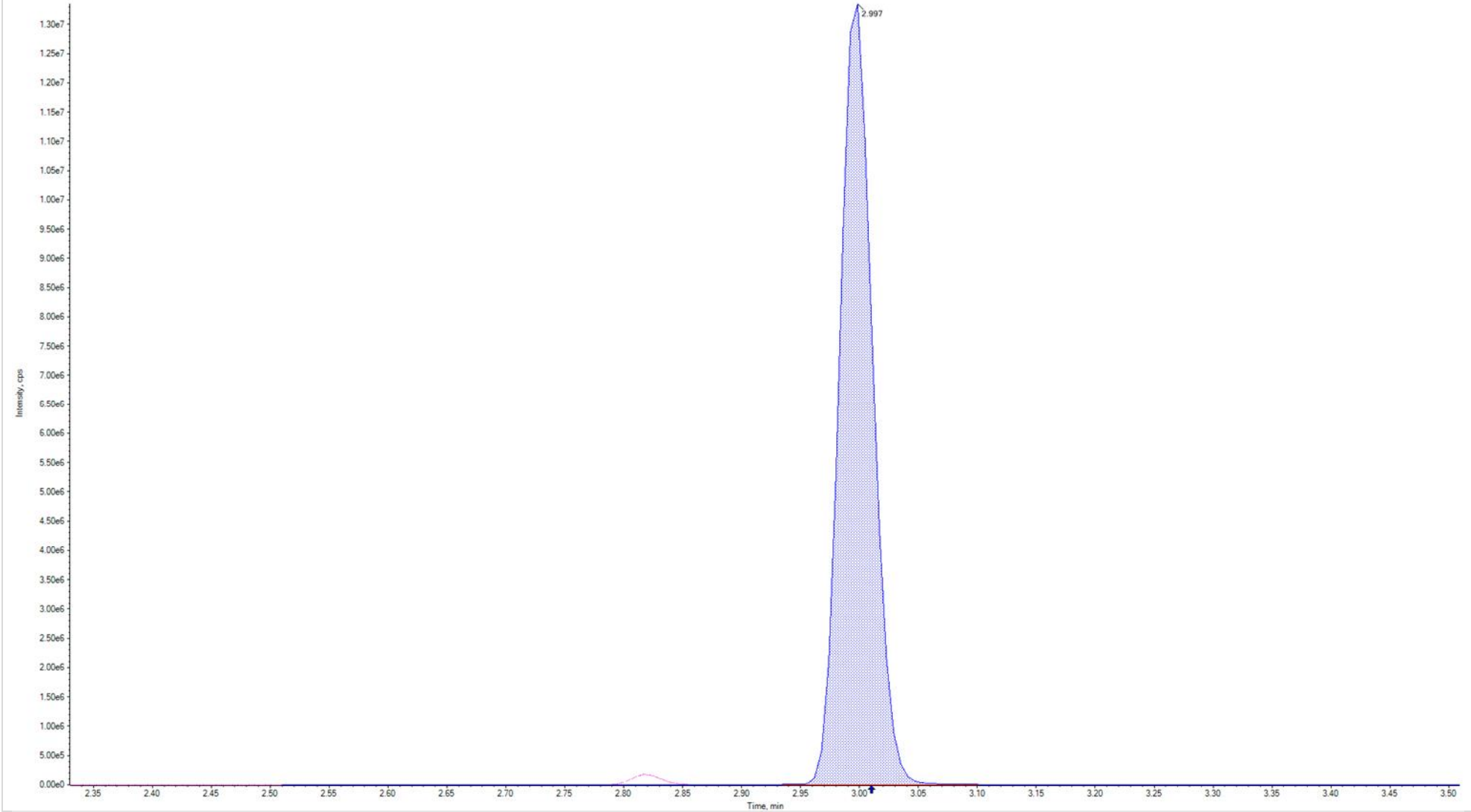
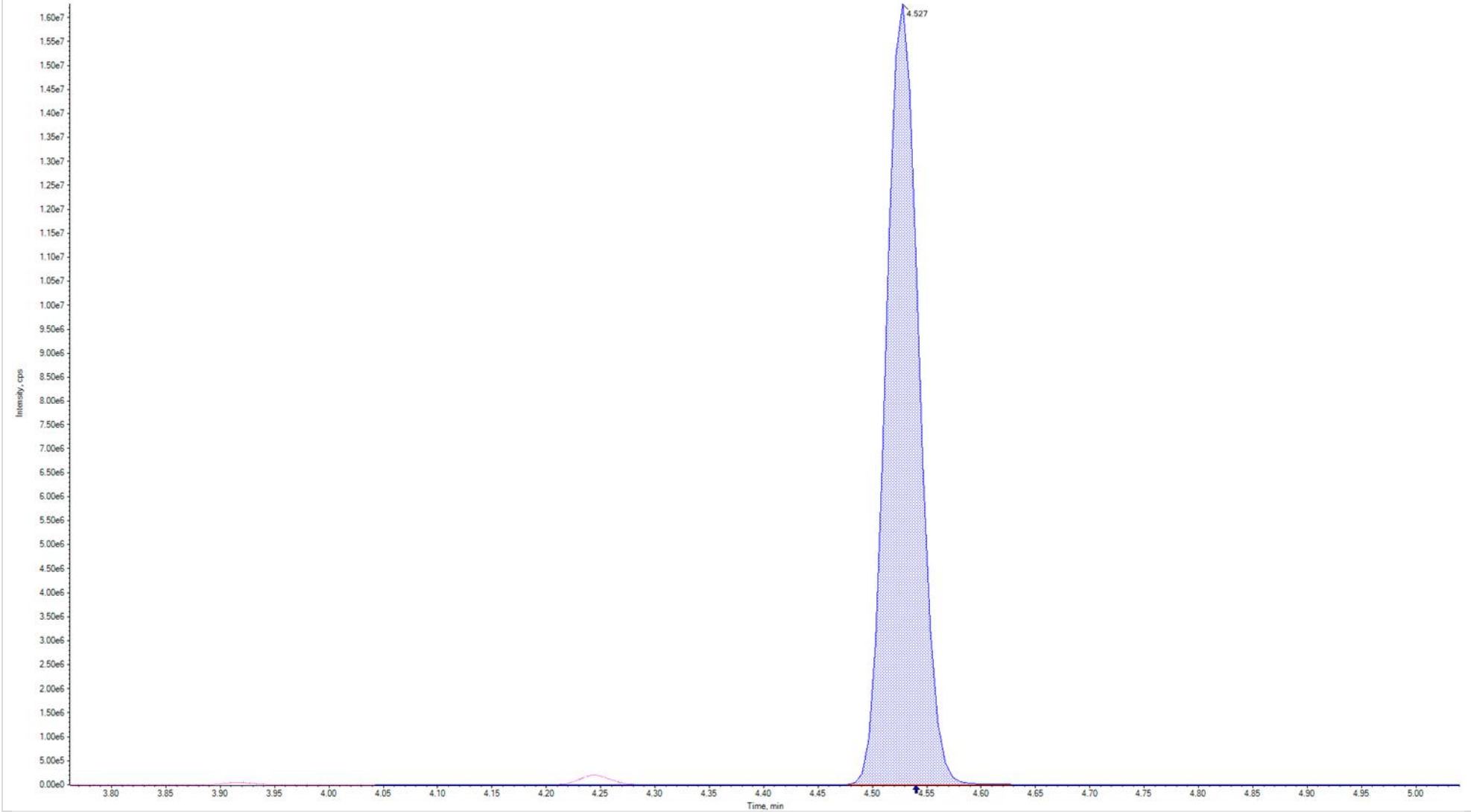
ADONA_2
Sample: IA1633STD-25 S/N:267700.9 Points Across peak:50



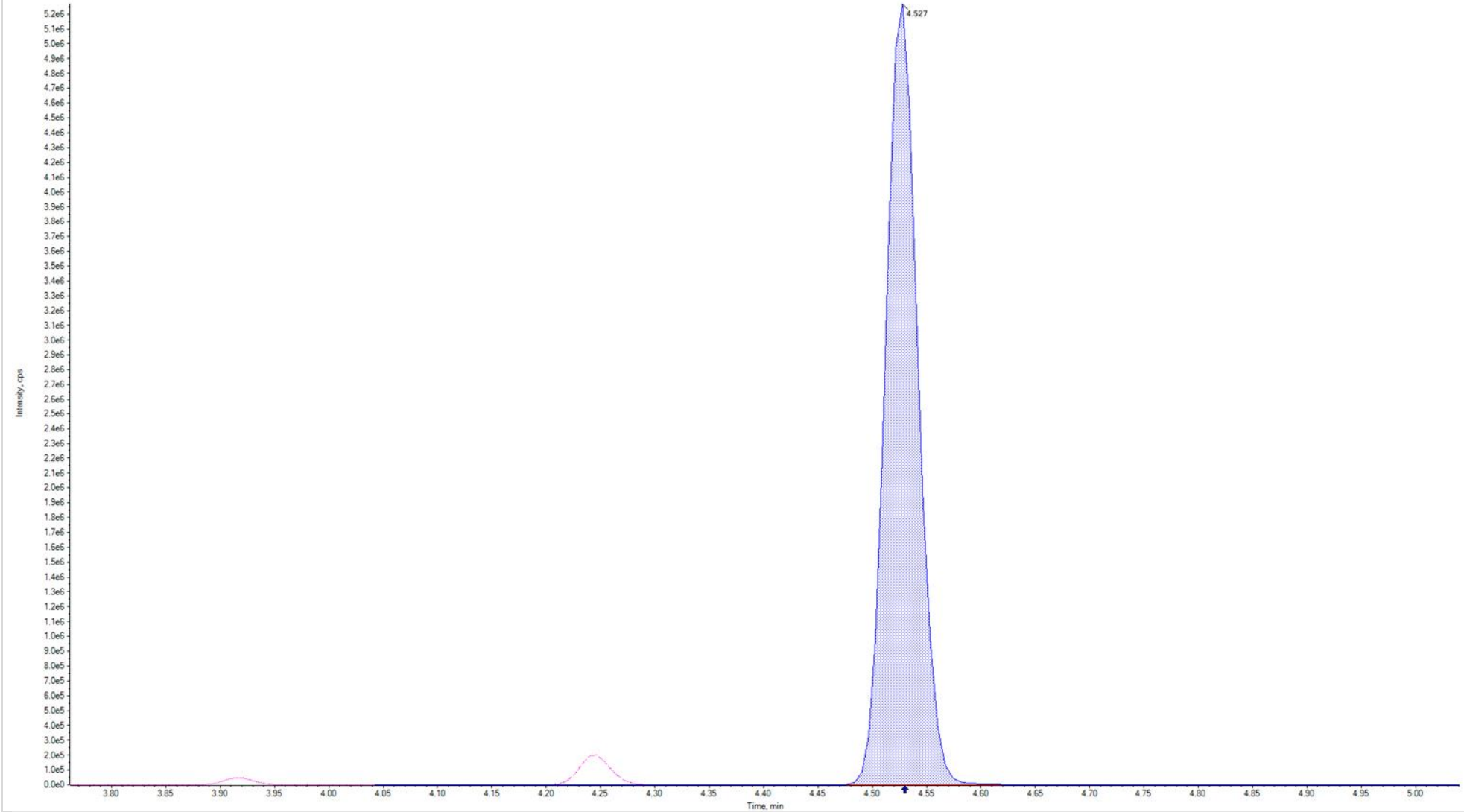
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

9Cl-PF3ONS
Sample: IA1633STD-25 S/N:10992.3 Points Across peak:38



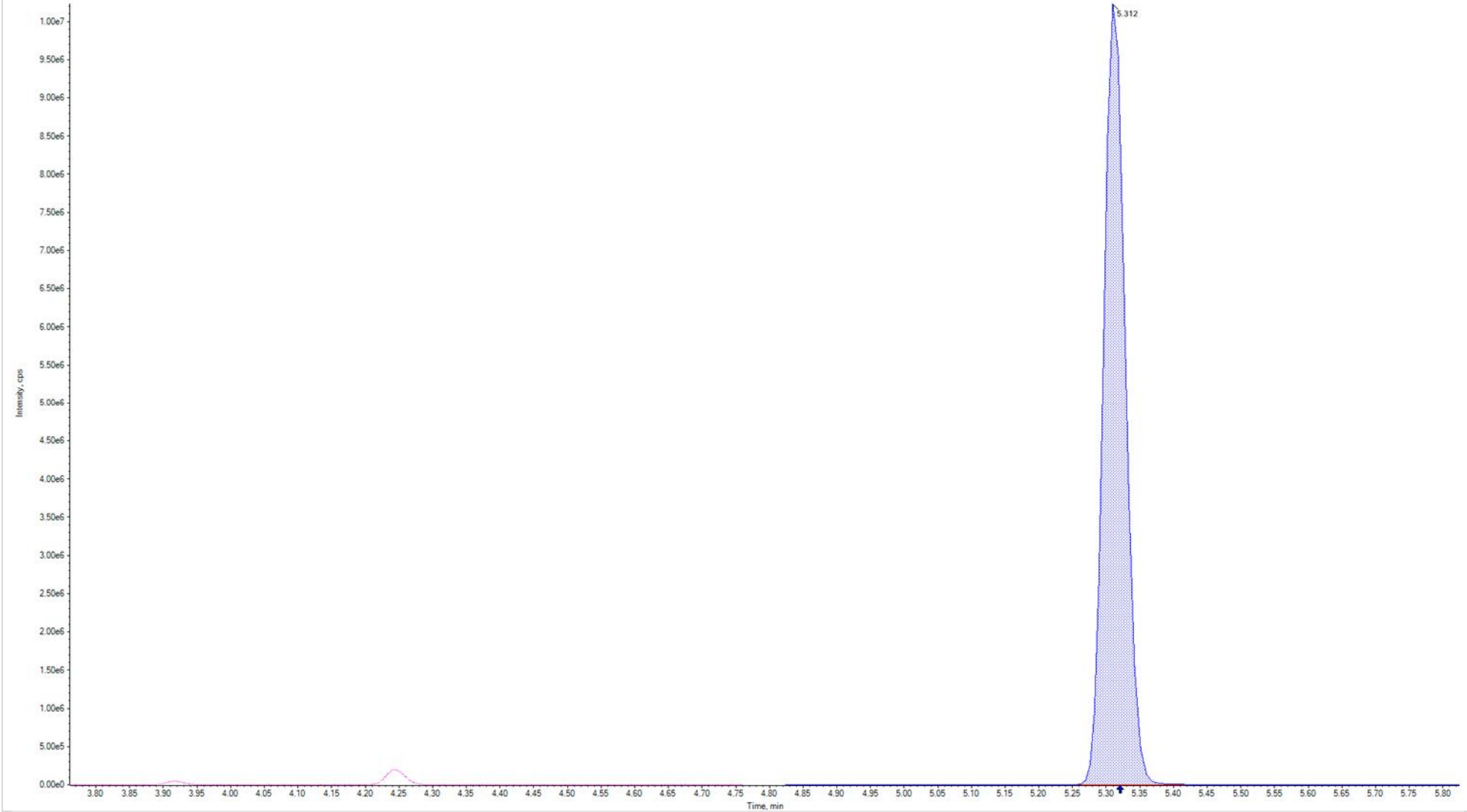
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

9Cl-PF3ONS_2
Sample: IA1633STD-25 S/N:8695.1 Points Across peak:30



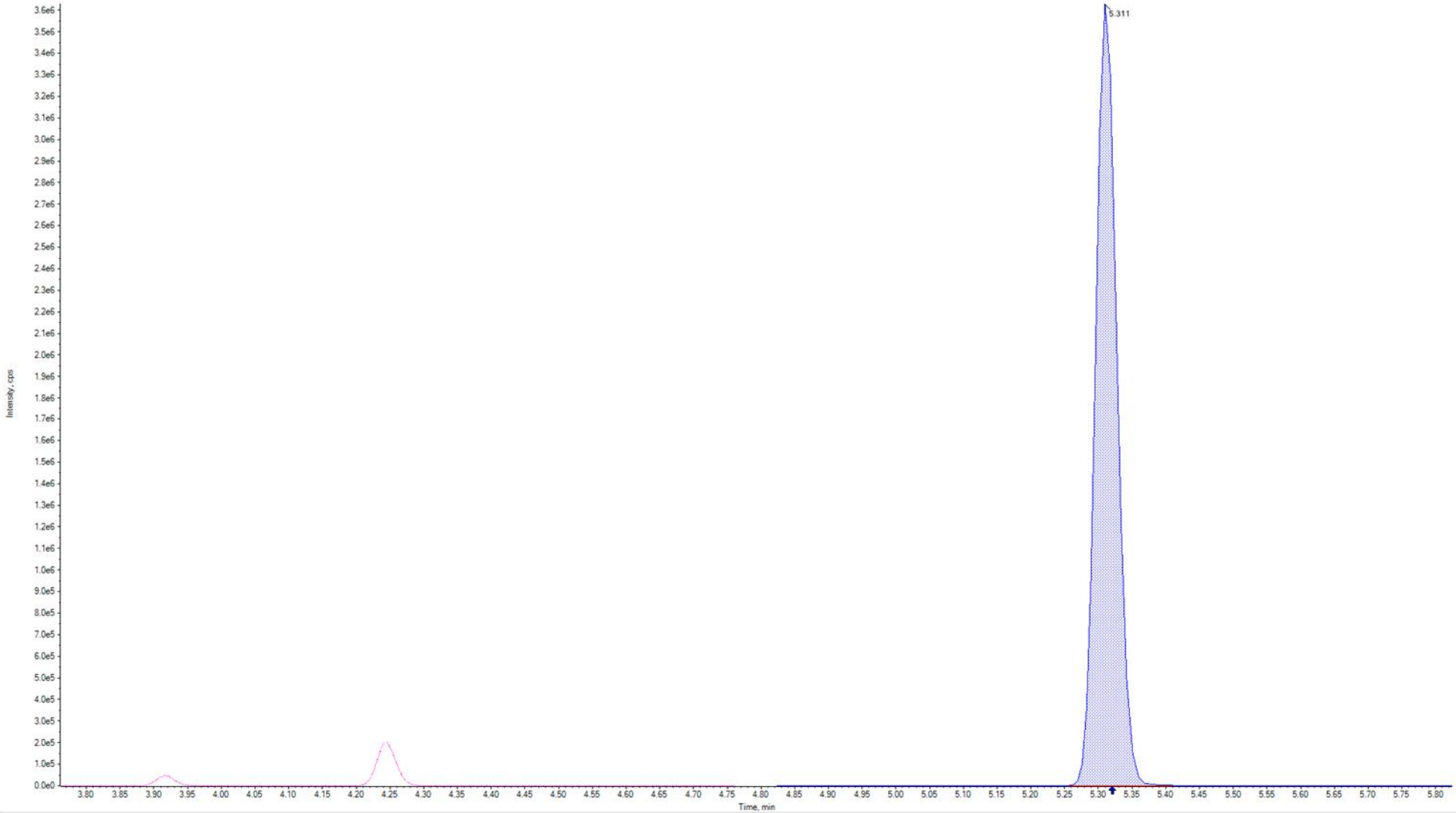
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

11Cl-PF3OUdS
Sample: IA1633STD-25 S/N:487241.4 Points Across peak:37



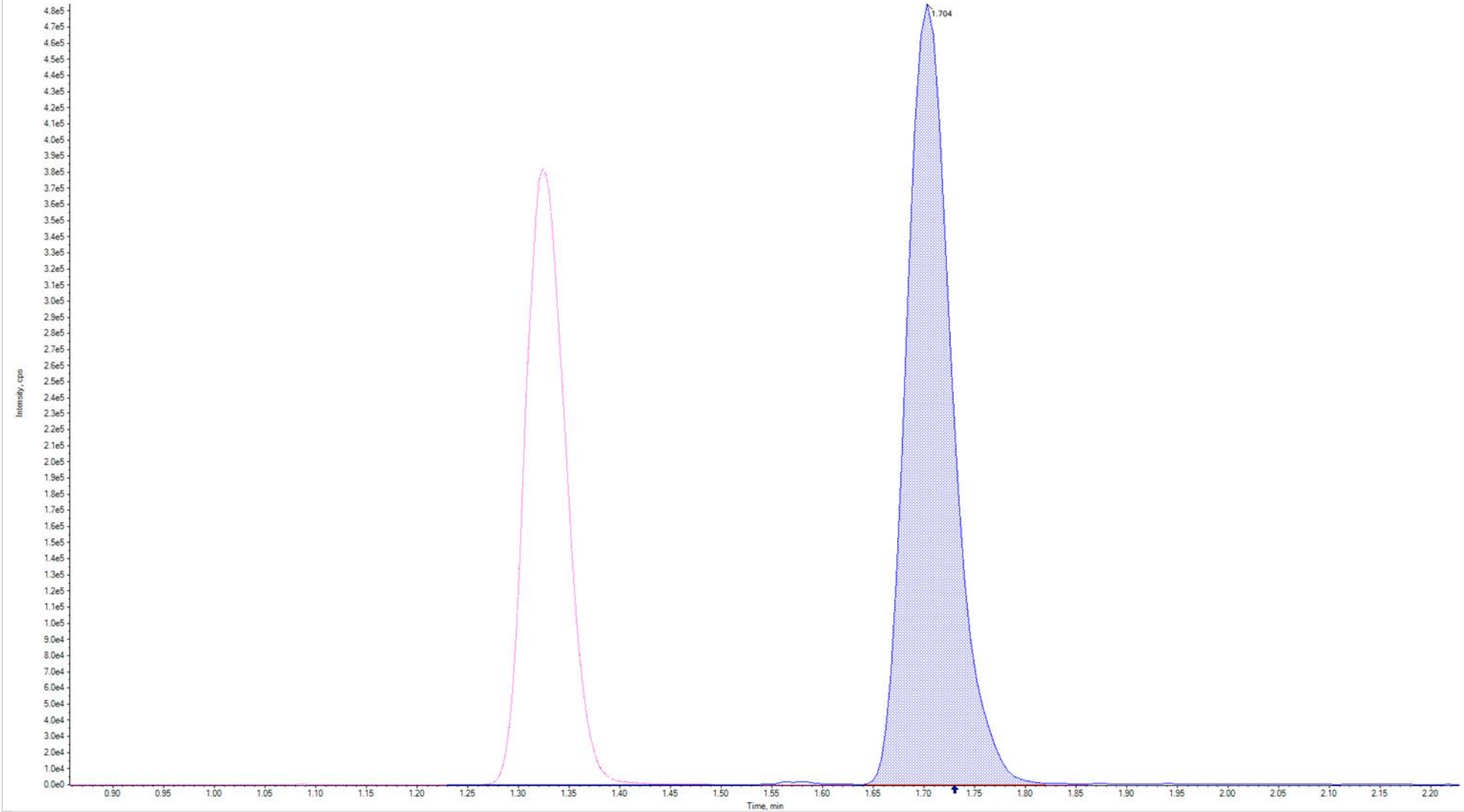
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-25 S/N:7898.1 Points Across peak:32



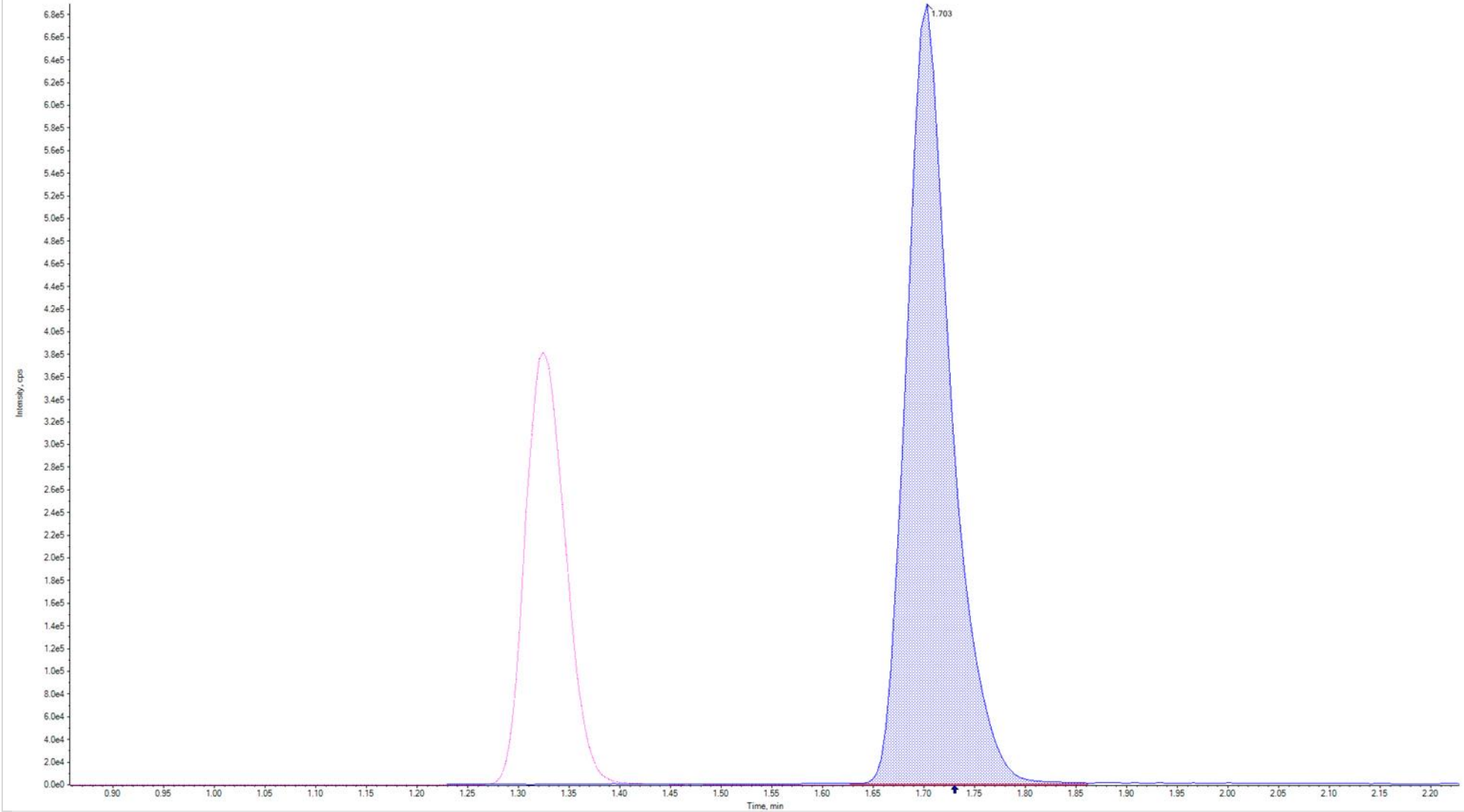
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

3:3FTCA
Sample: IA1633STD-25 S/N:2833.6 Points Across peak:33



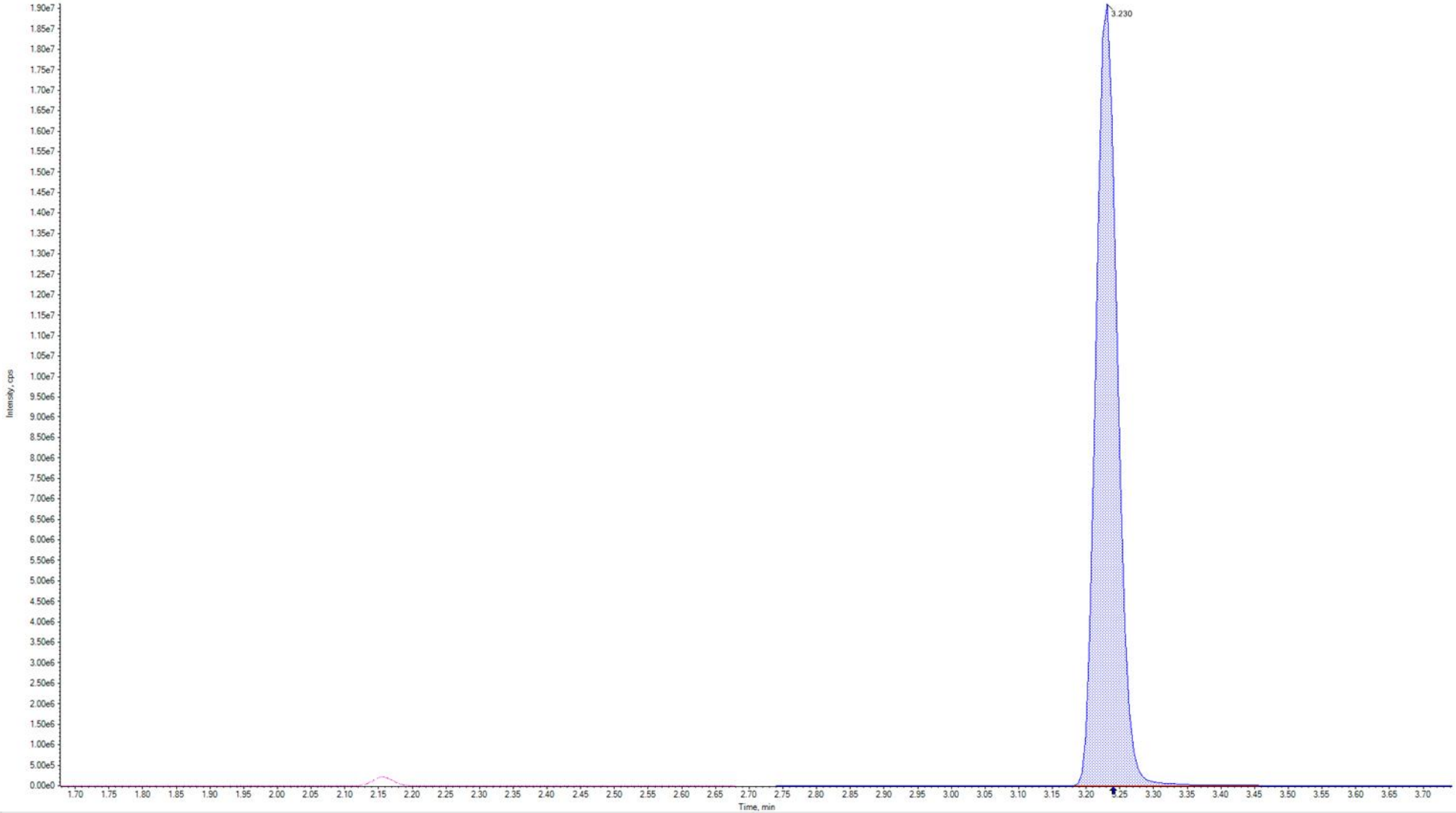
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

3:3FTCA_2
Sample: IA1633STD-25 S/N:3023.8 Points Across peak:42



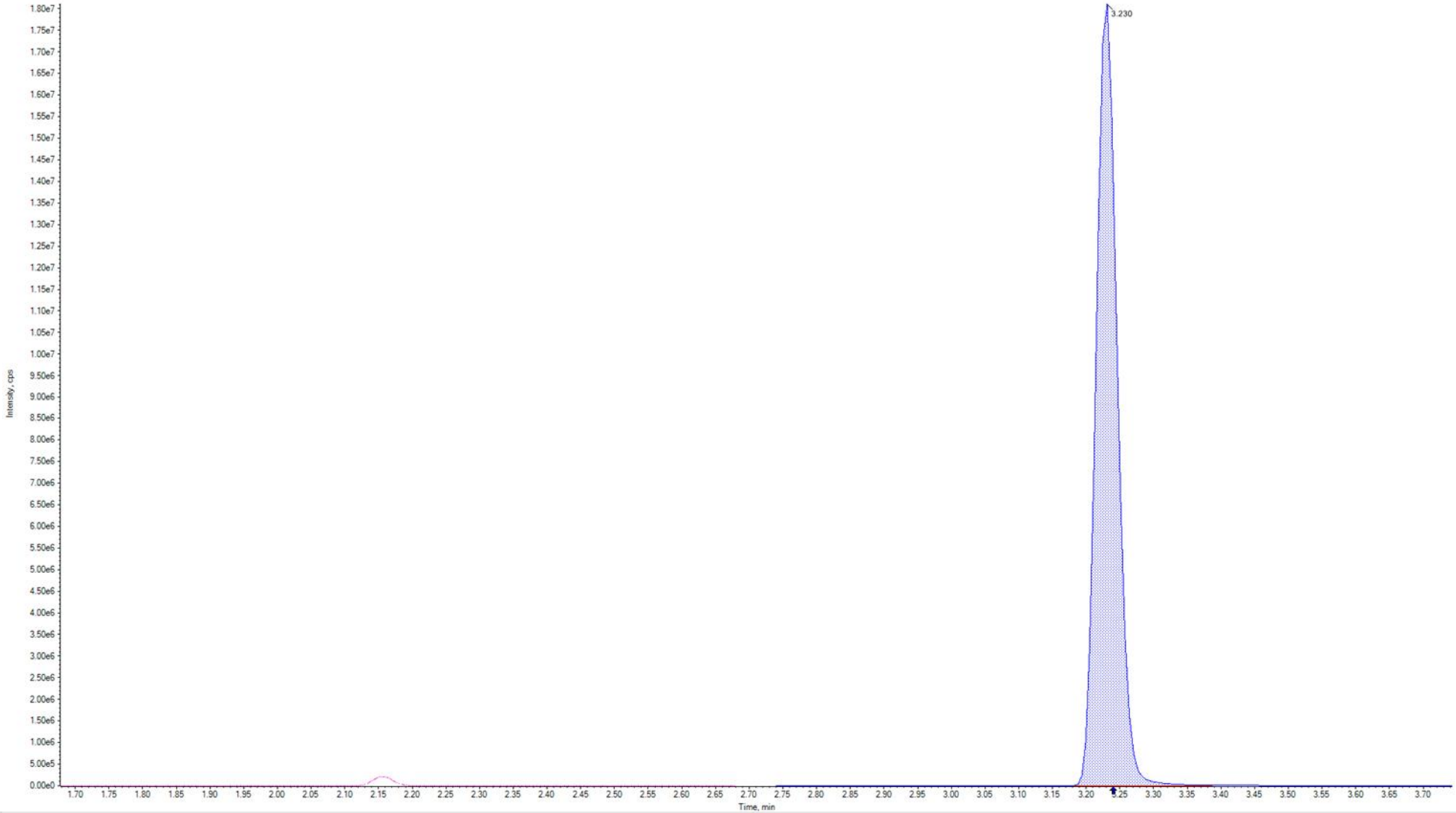
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

5:3FTCA
Sample: IA1633STD-25 S/N:62705.1 Points Across peak:48



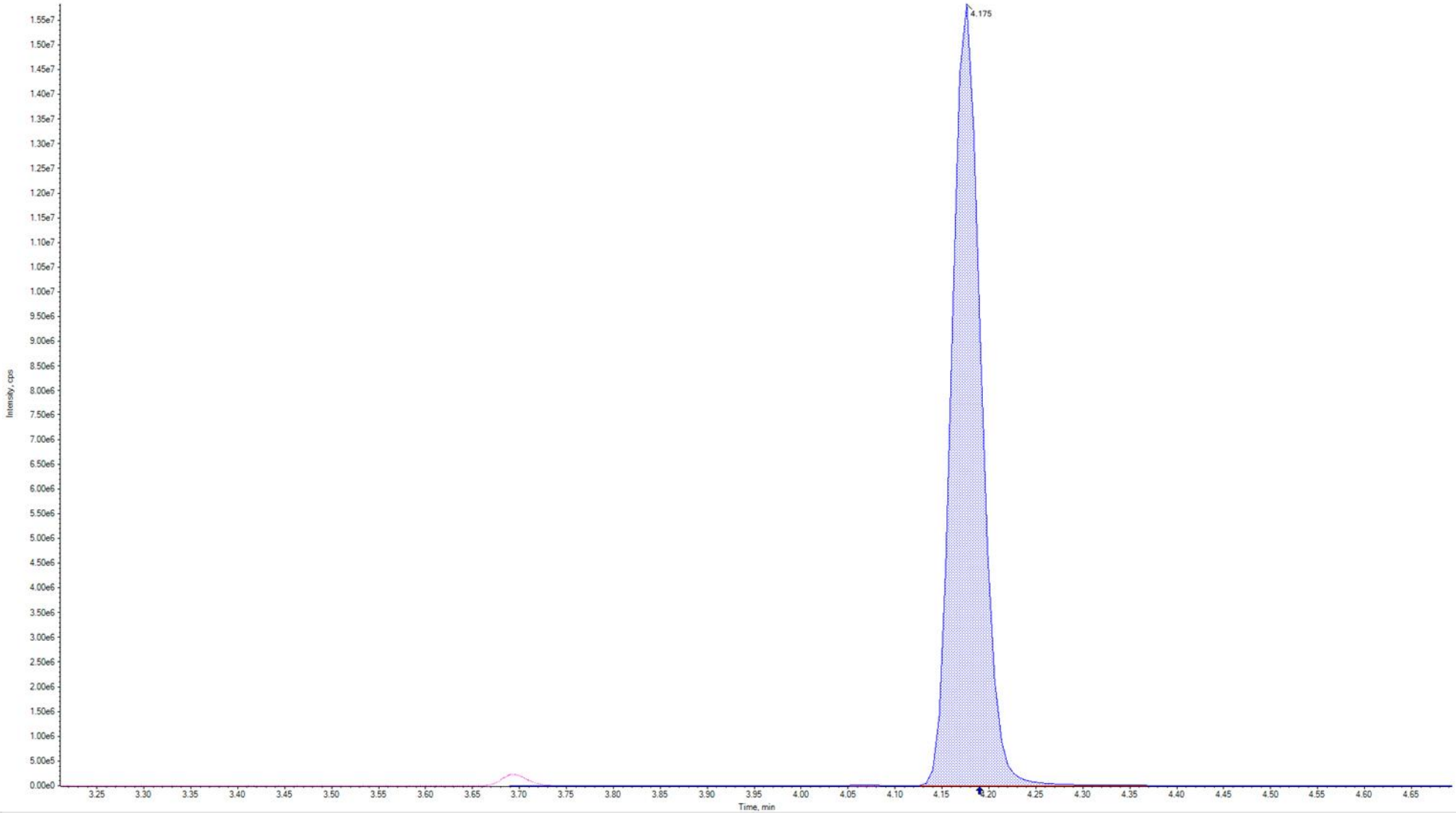
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

5:3FTCA_2
Sample: IA1633STD-25 S/N:219093.7 Points Across peak:36



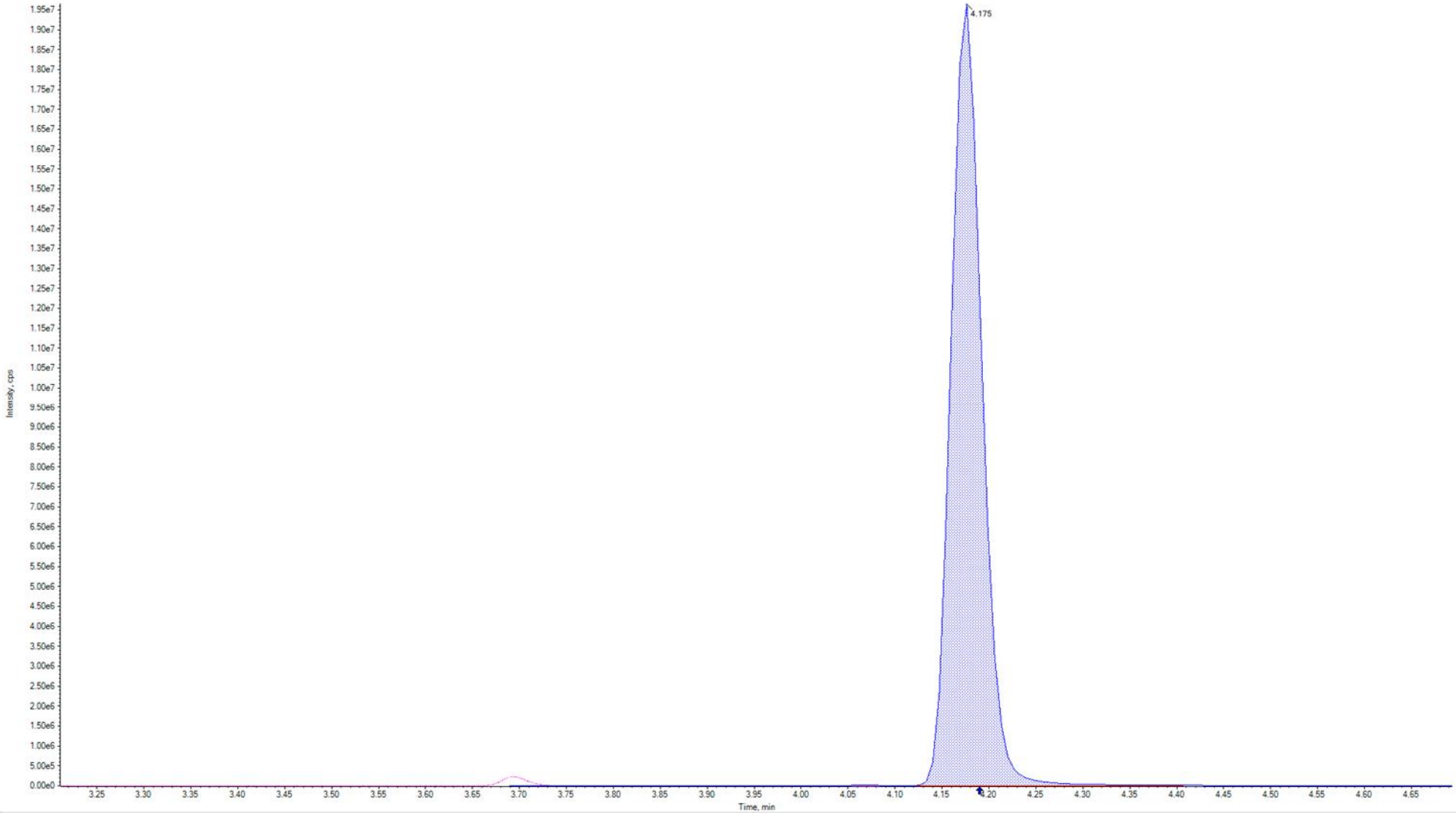
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

7:3FTCA
Sample: IA1633STD-25 S/N:58947.3 Points Across peak:49



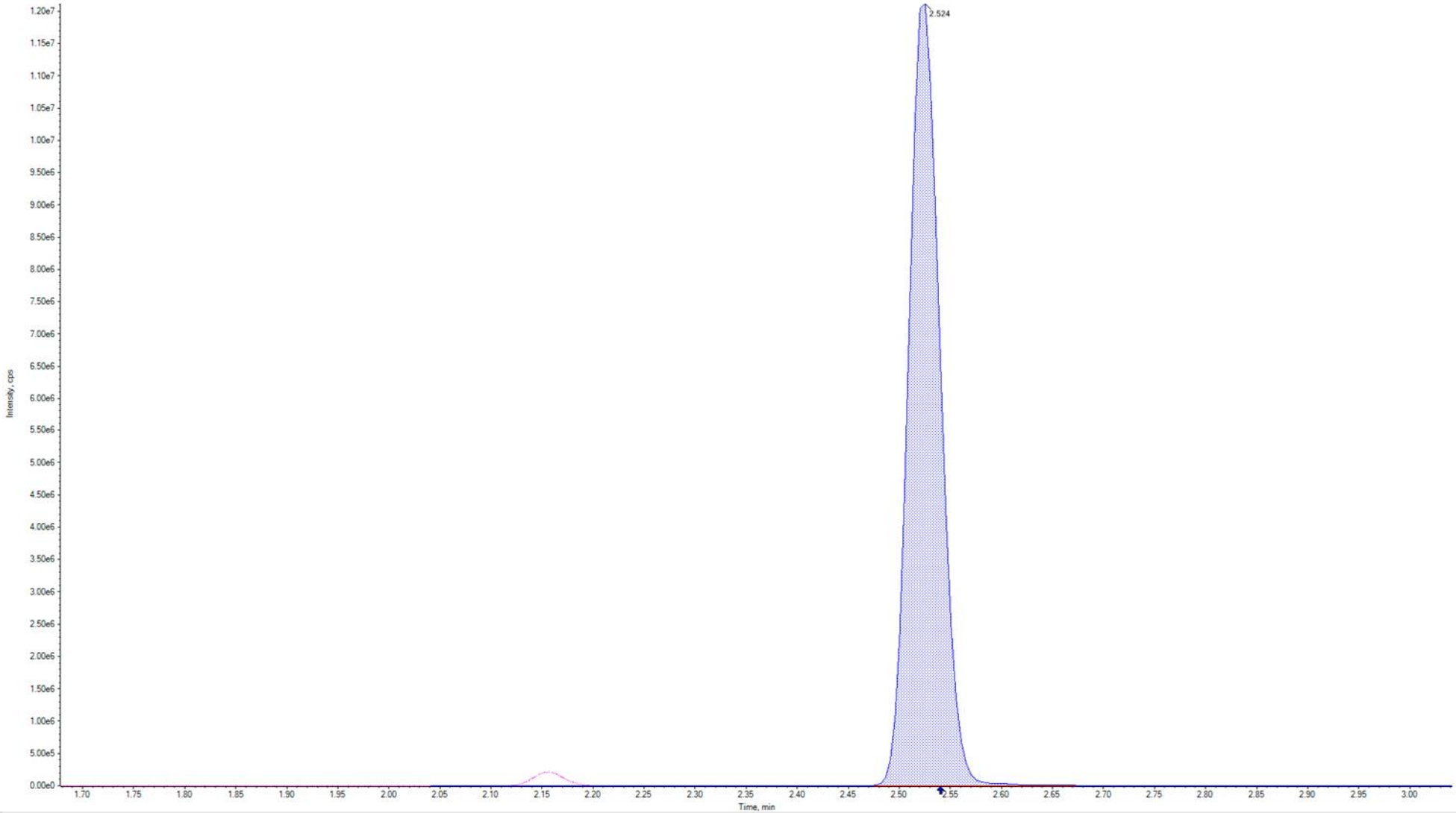
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

7:3FTCA_2
Sample: IA1633STD-25 S/N:45058.1 Points Across peak:46



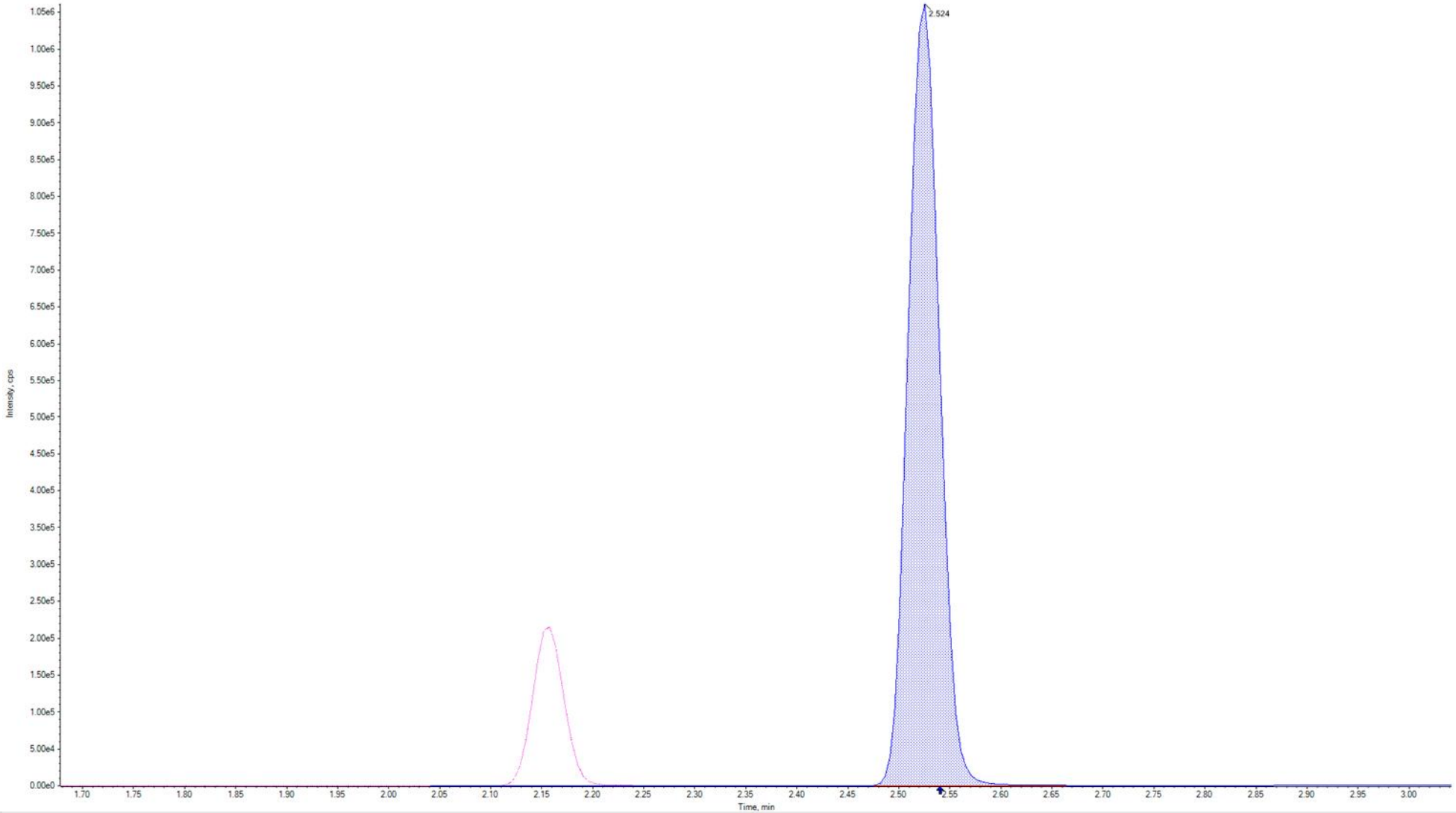
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFEESA
Sample: IA1633STD-25 S/N:273251.8 Points Across peak:44



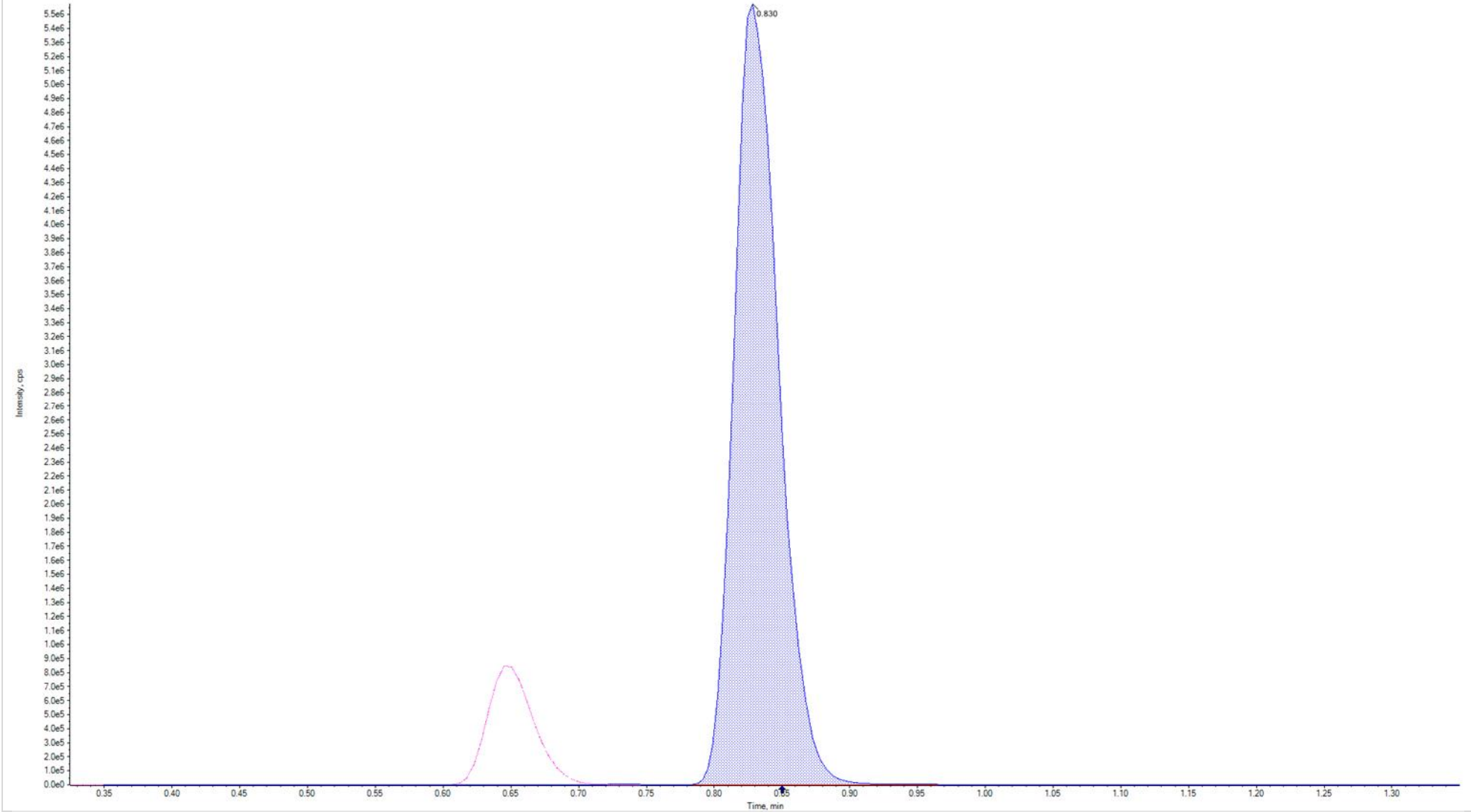
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFEESA_2
Sample: IA1633STD-25 S/N:4389.6 Points Across peak:41



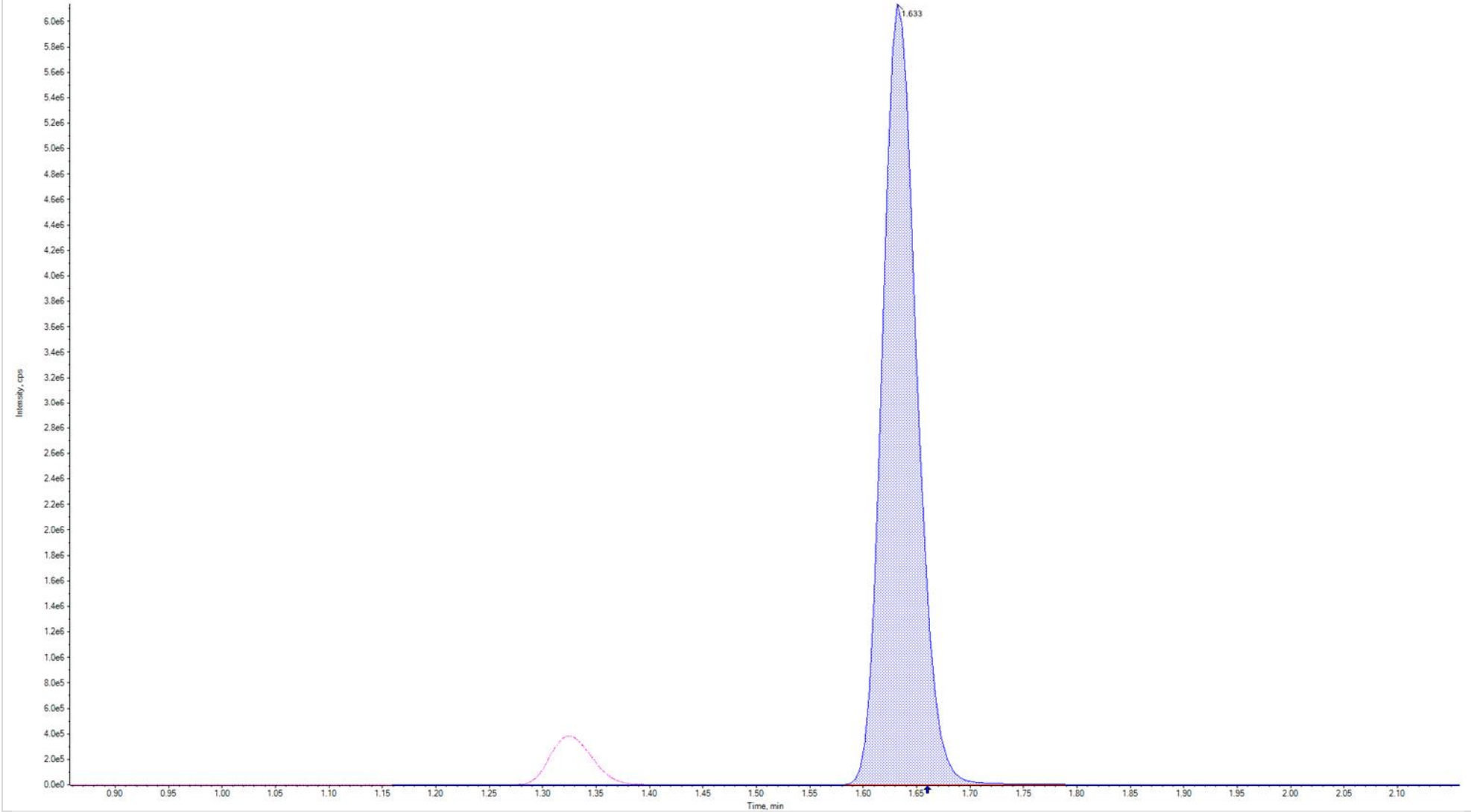
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFMPA
Sample: IA1633STD-25 S/N:27672.1 Points Across peak:47



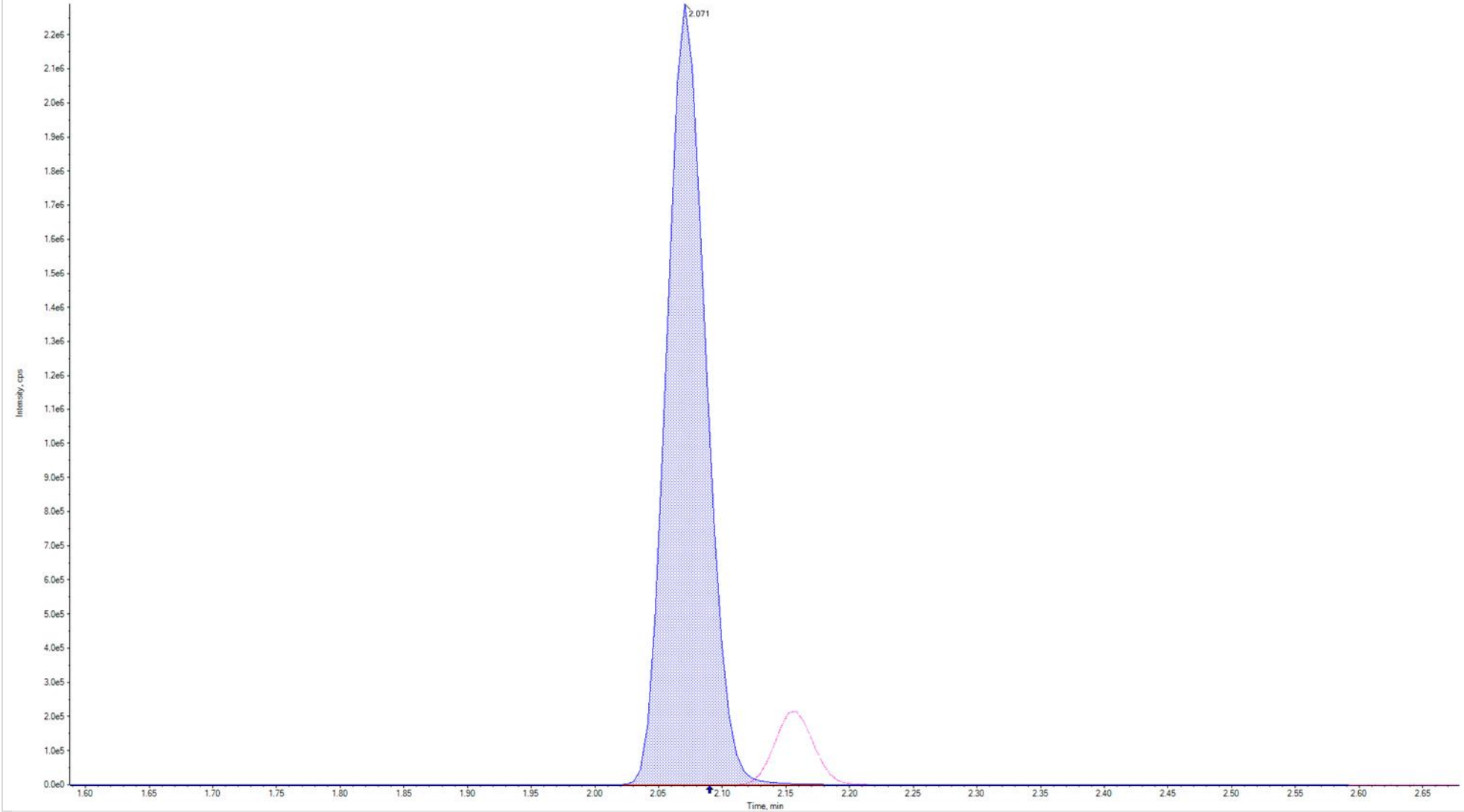
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFMBA
Sample: IA1633STD-25 S/N:45283.9 Points Across peak:53



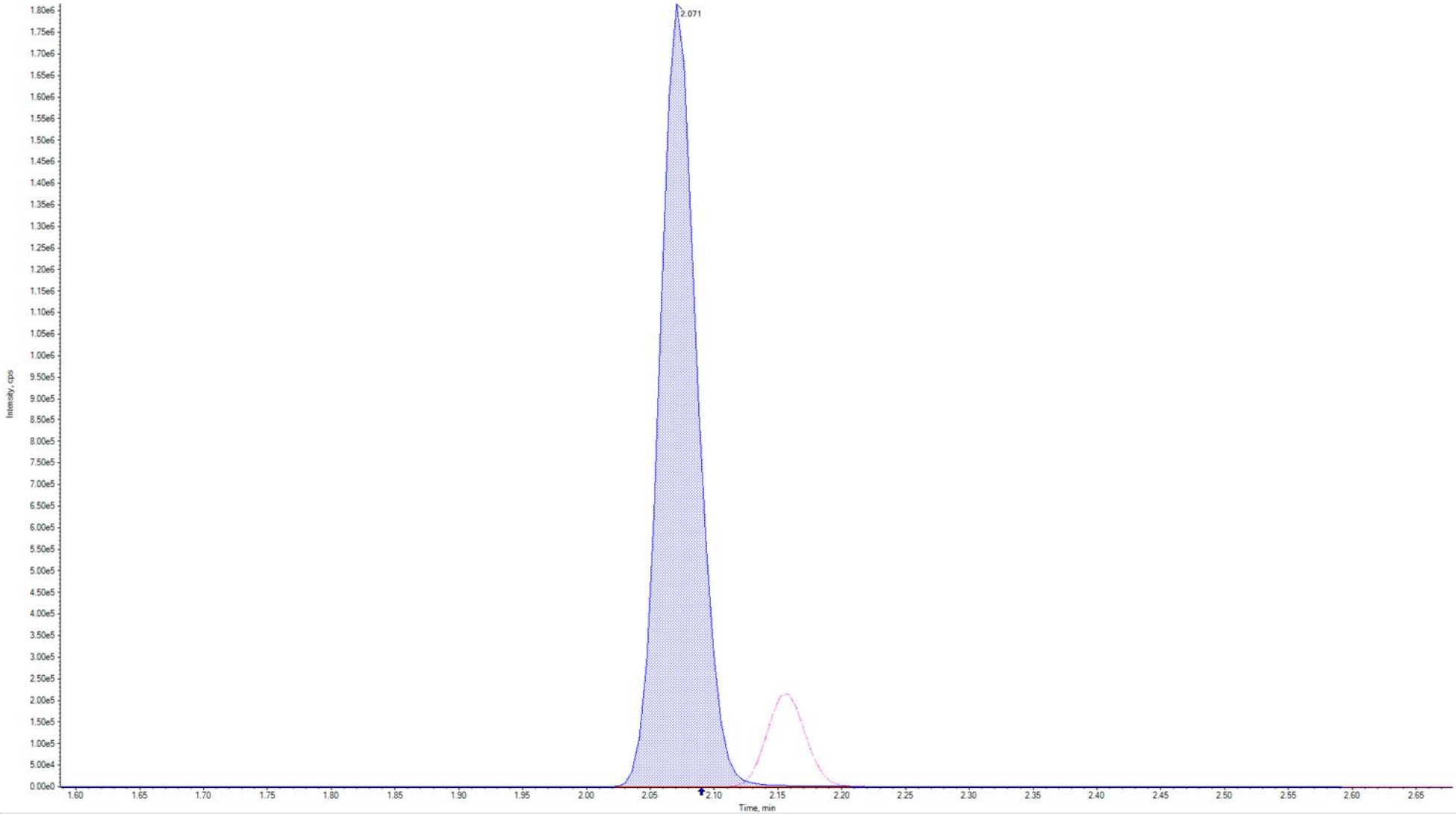
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NFDHA
Sample: IA1633STD-25 S/N:10205.6 Points Across peak:34

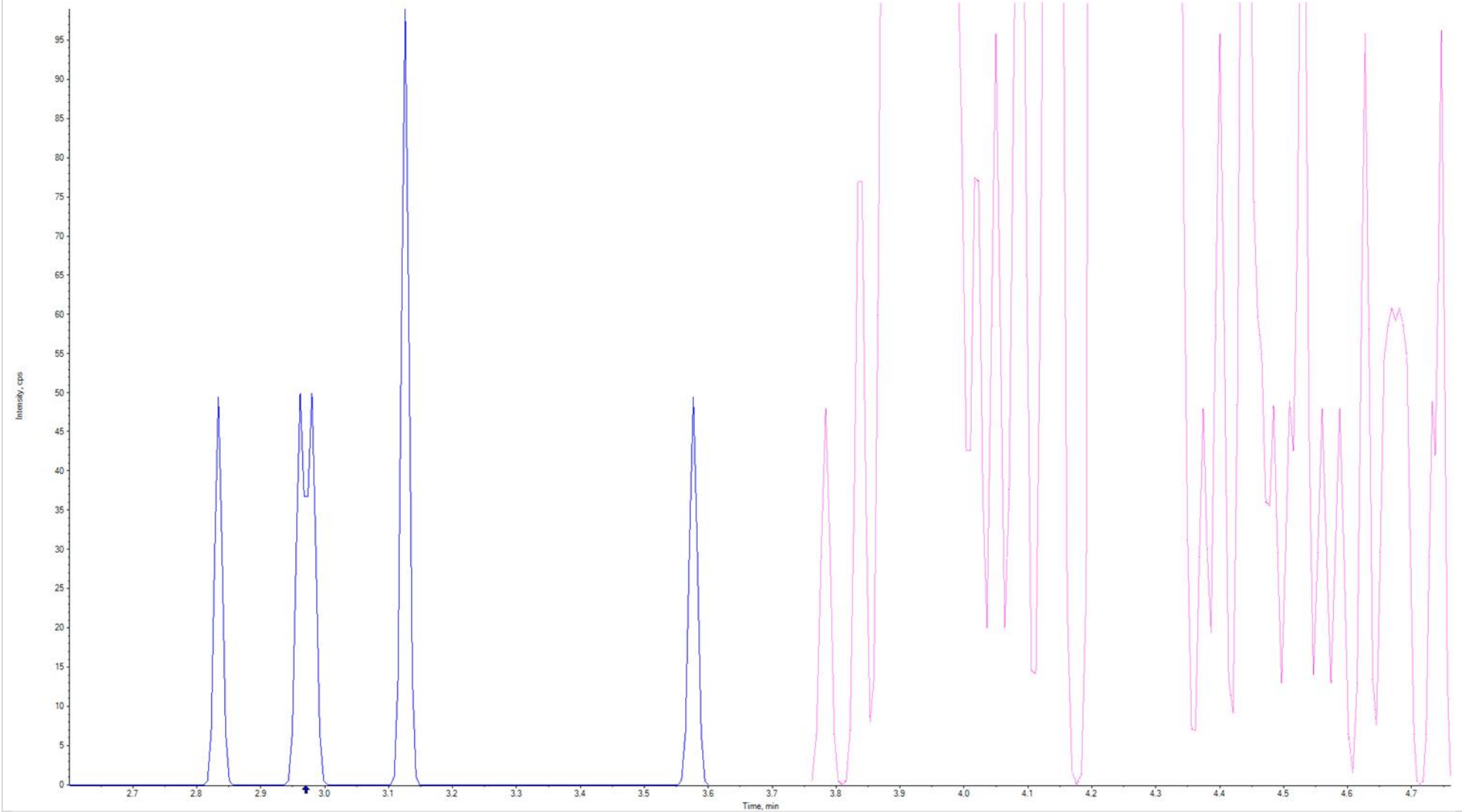


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_13.wiff2_6
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NFDHA_2
Sample: IA1633STD-25 S/N:50068.4 Points Across peak:39



TDCA
Sample: IA1633STD-25 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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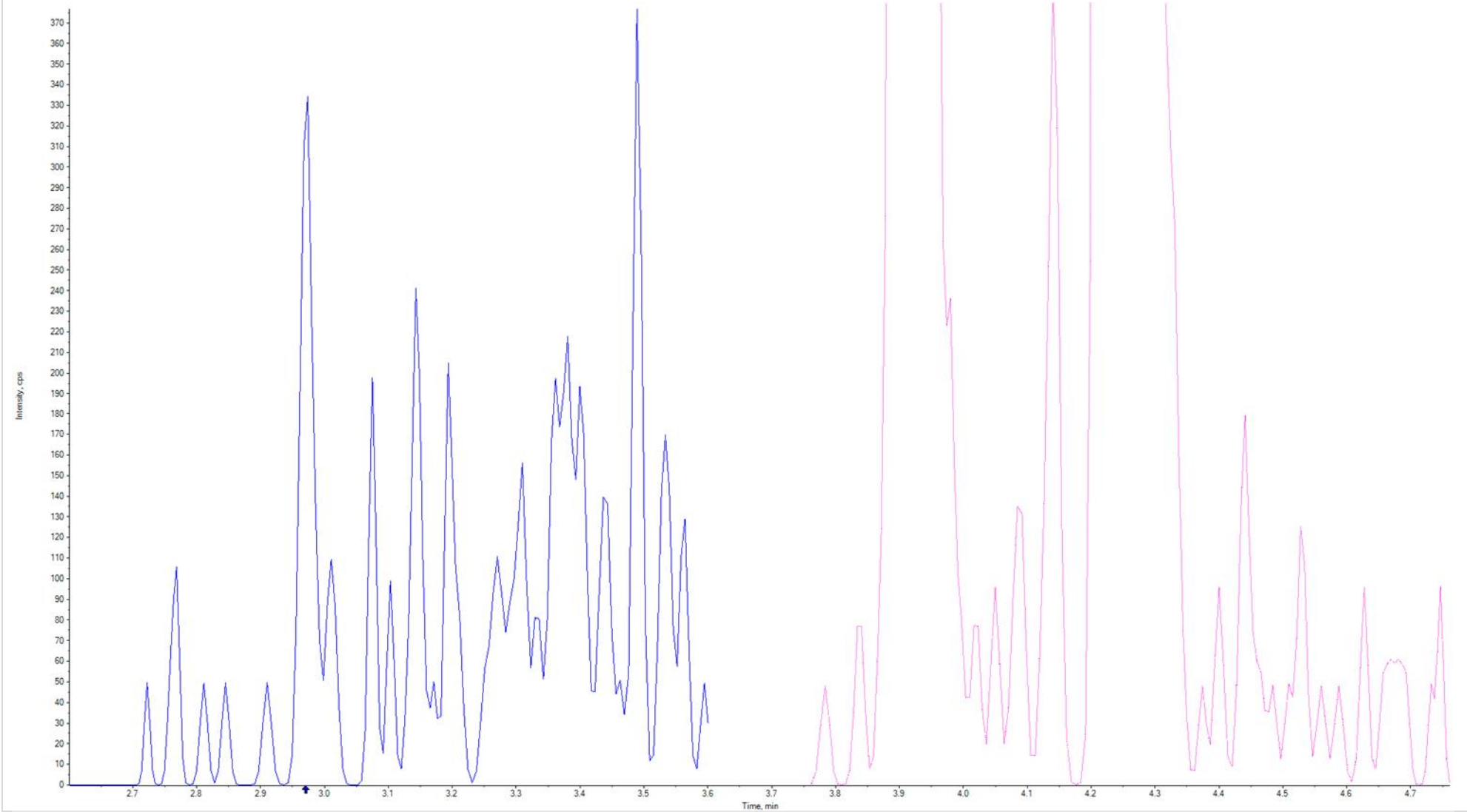
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

TDCA_2
Sample: IA1633STD-25 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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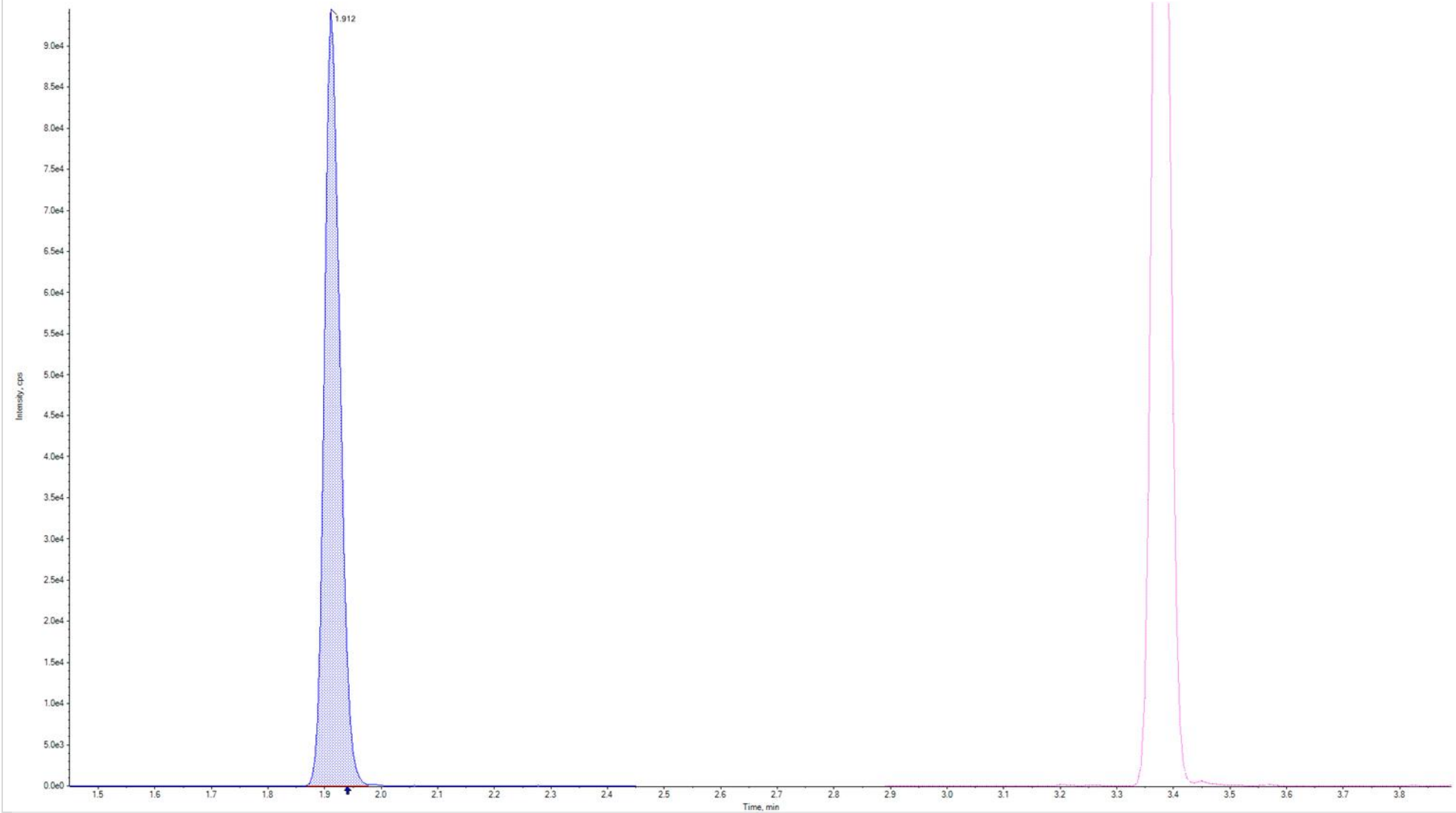
13C2D4-4:2FTS
Sample: IA1633STD-25 S/N:3552.3 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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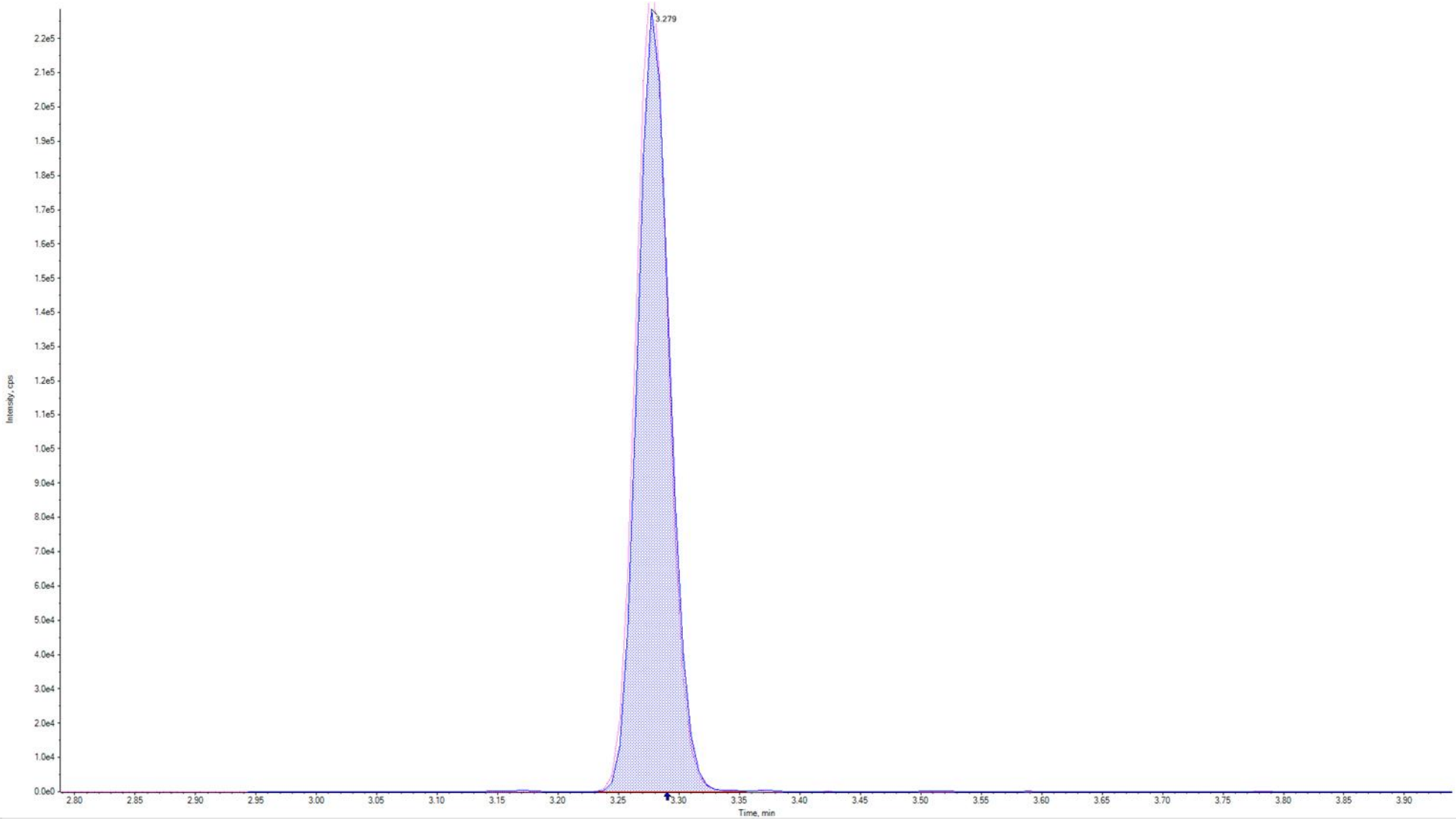
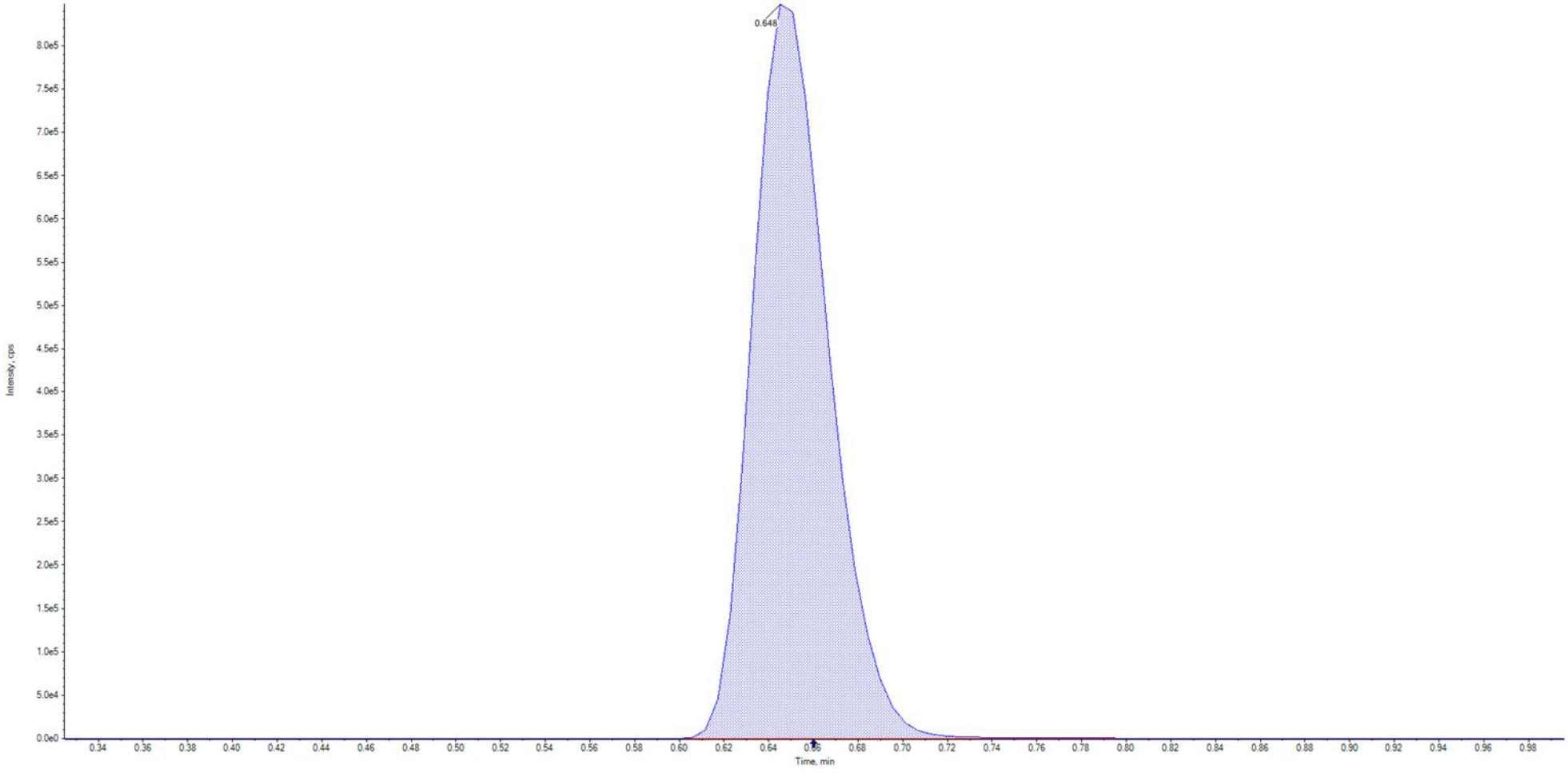
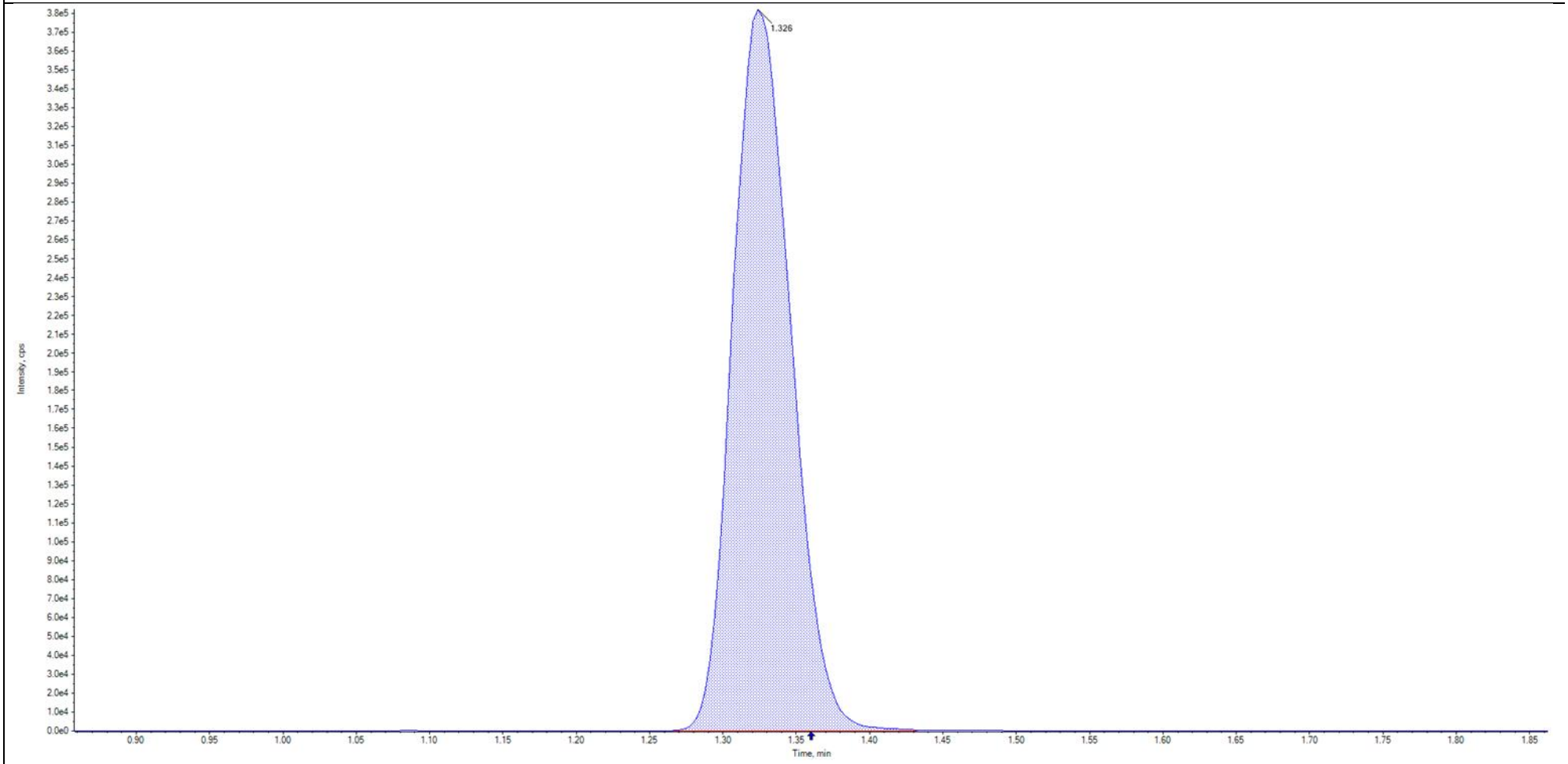
13C2-PFOA
Sample: IA1633STD-25 S/N:5156.4 Points Across peak:23



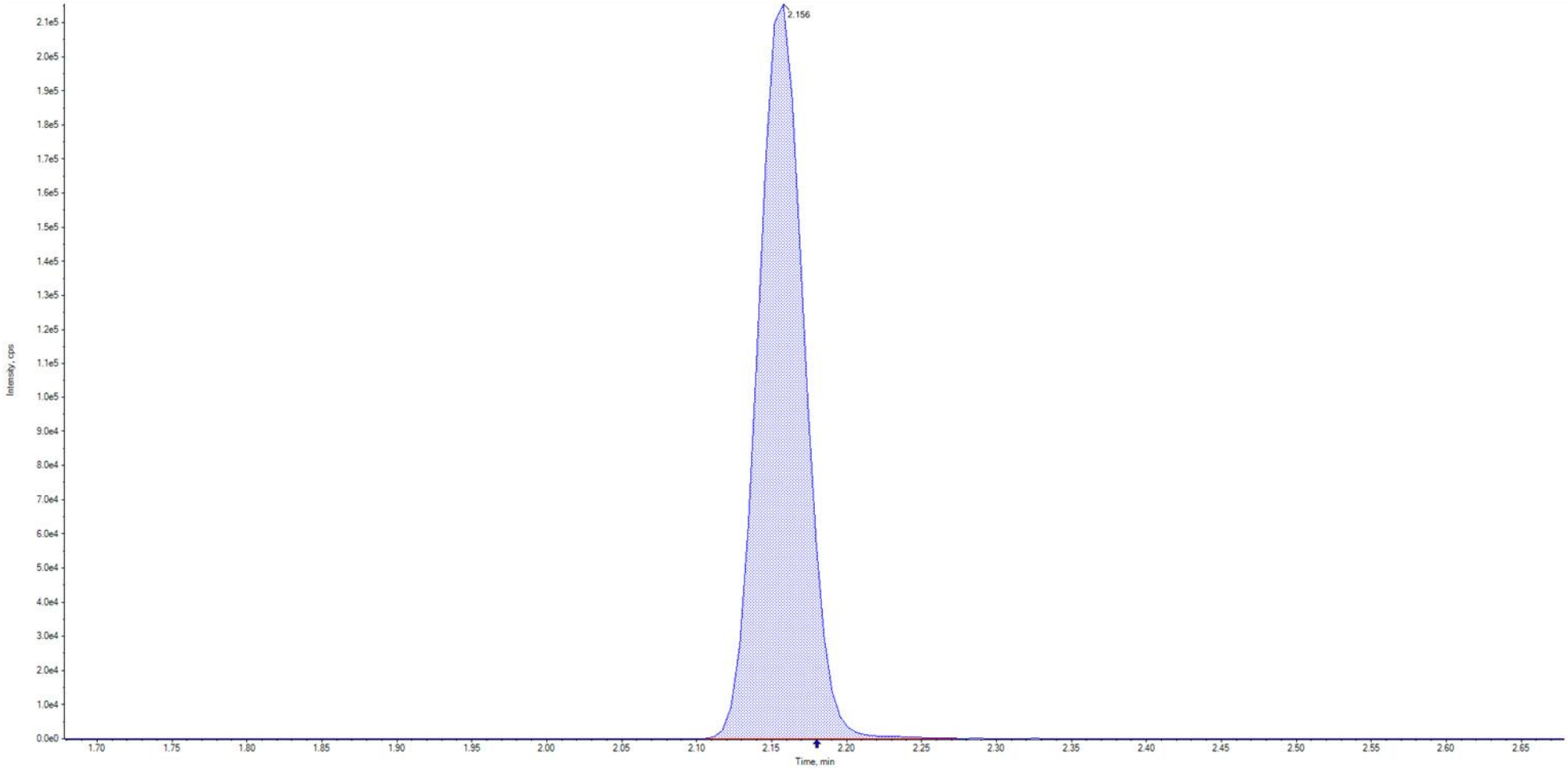
13C4-PFBA
Sample: IA1633STD-25



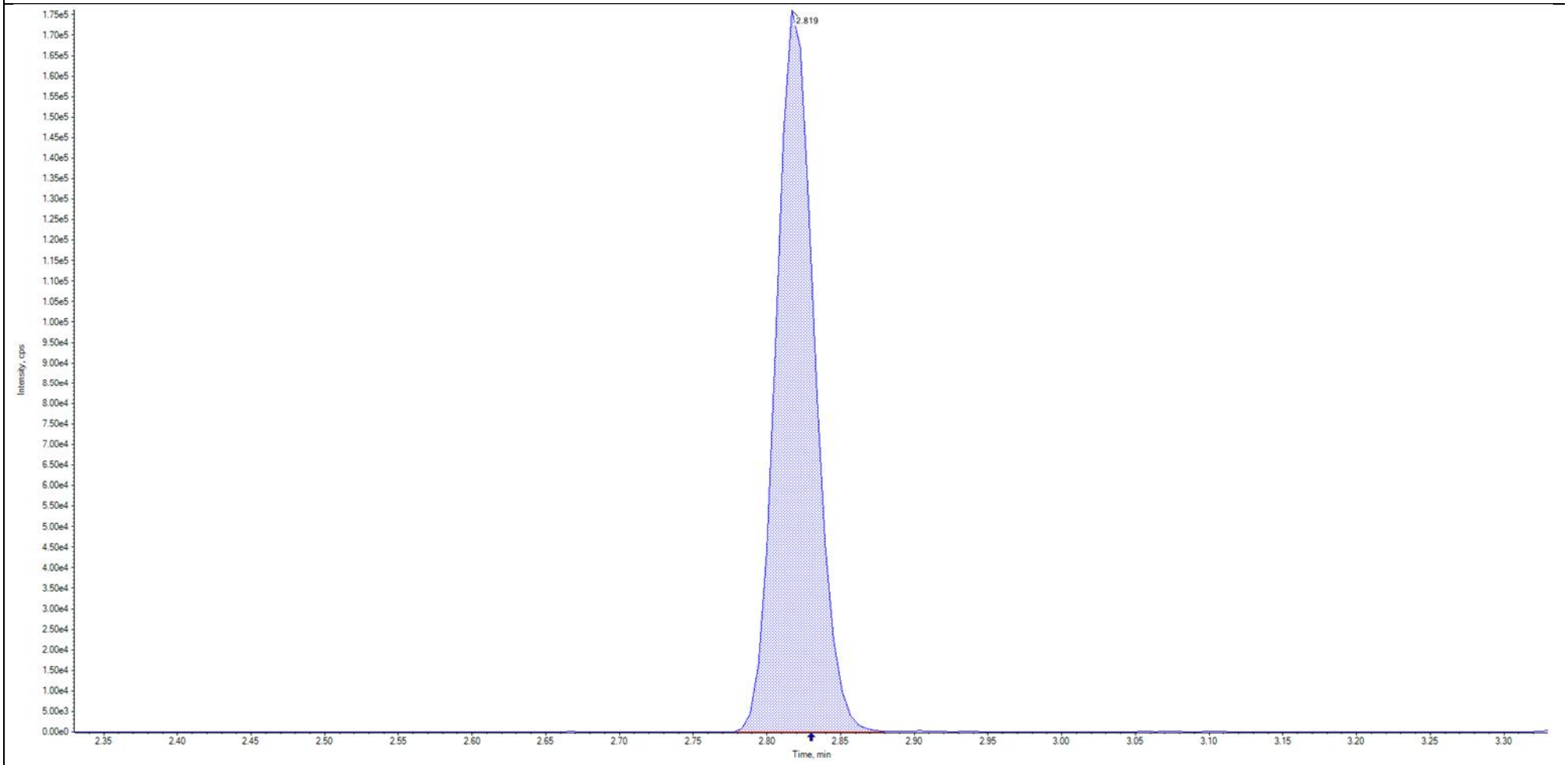
13C5-PFPeA
Sample: IA1633STD-25



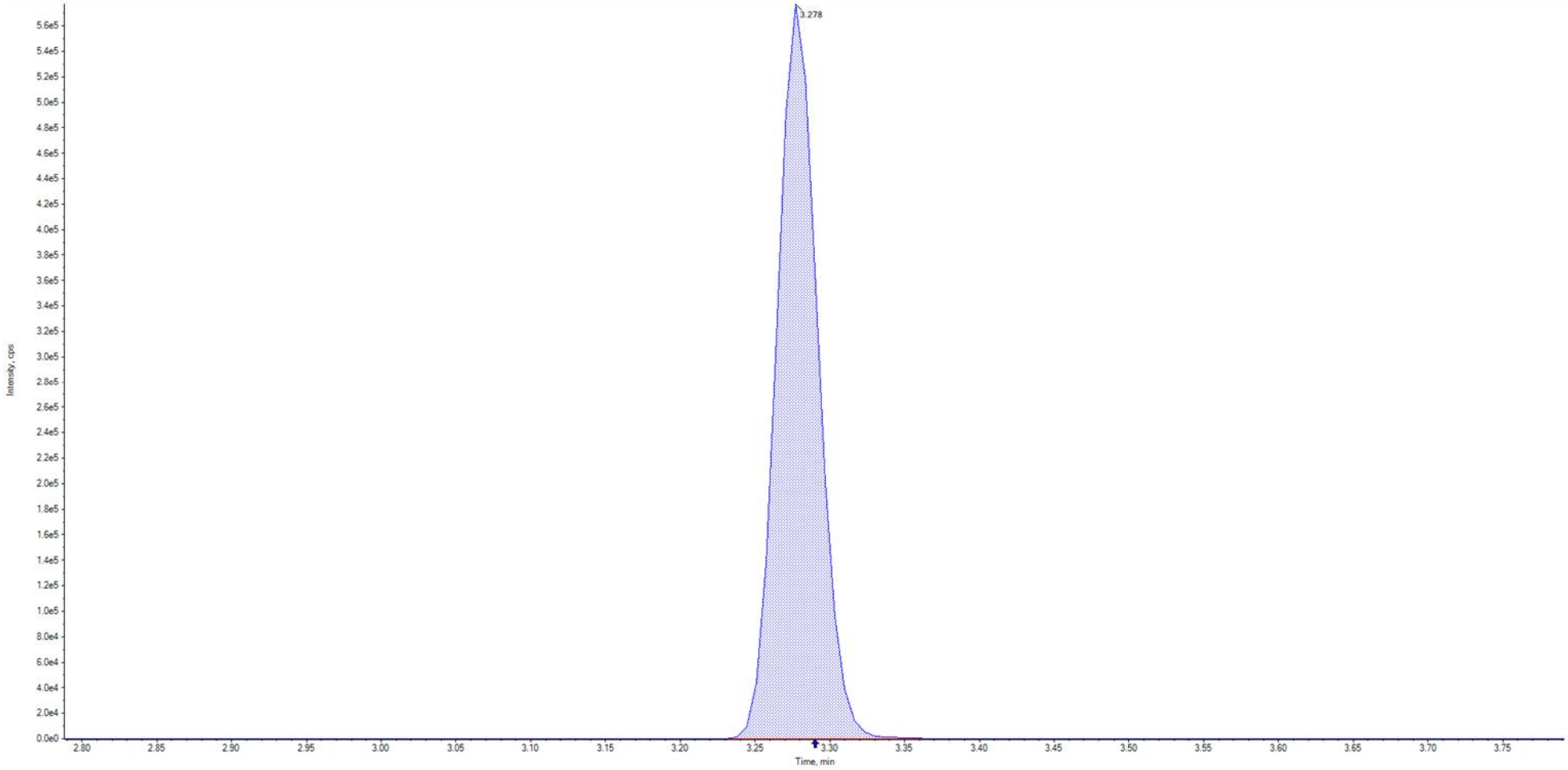
13C5-PFHxA
Sample: IA1633STD-25



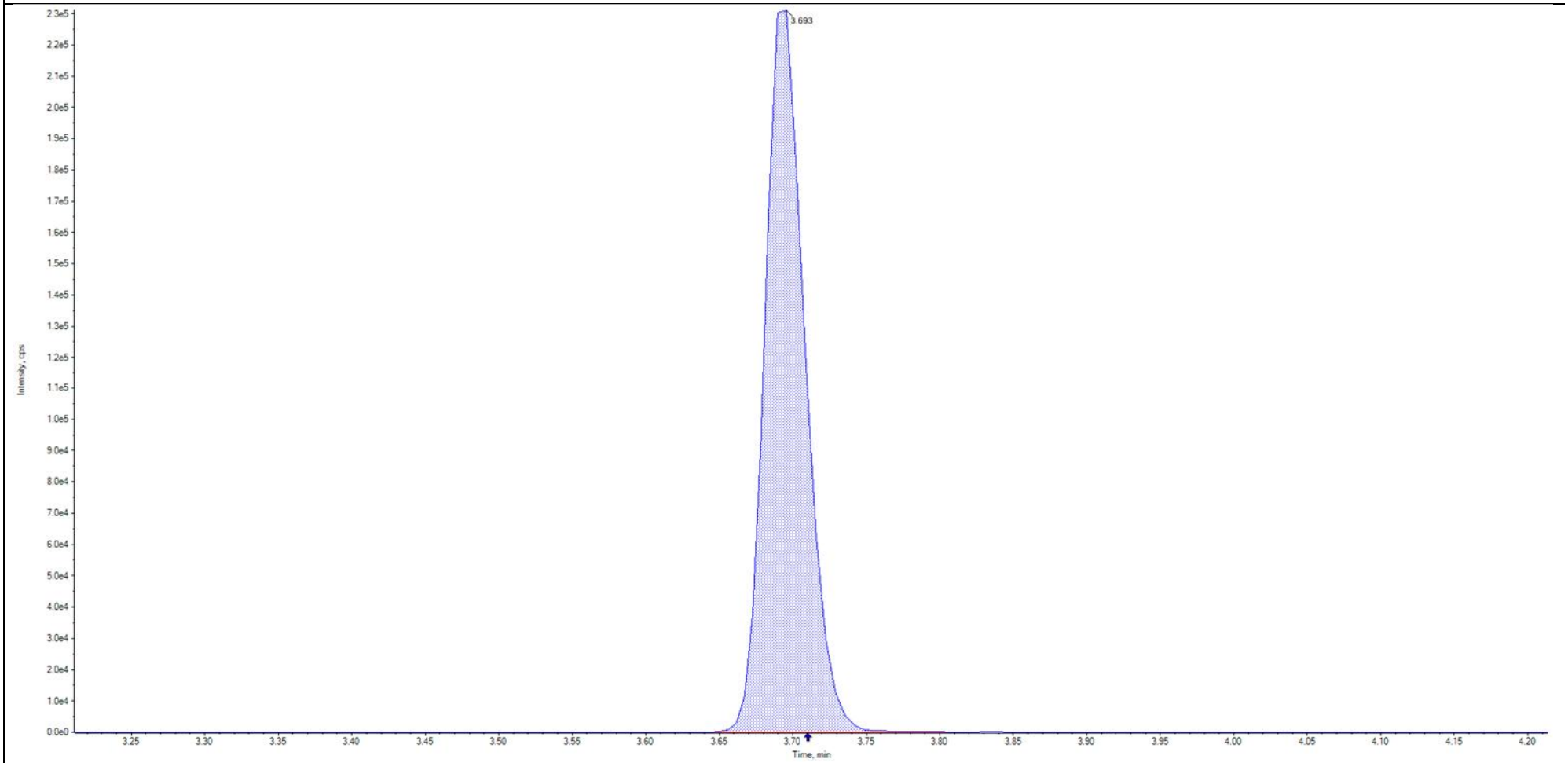
13C4-PFHpA
Sample: IA1633STD-25



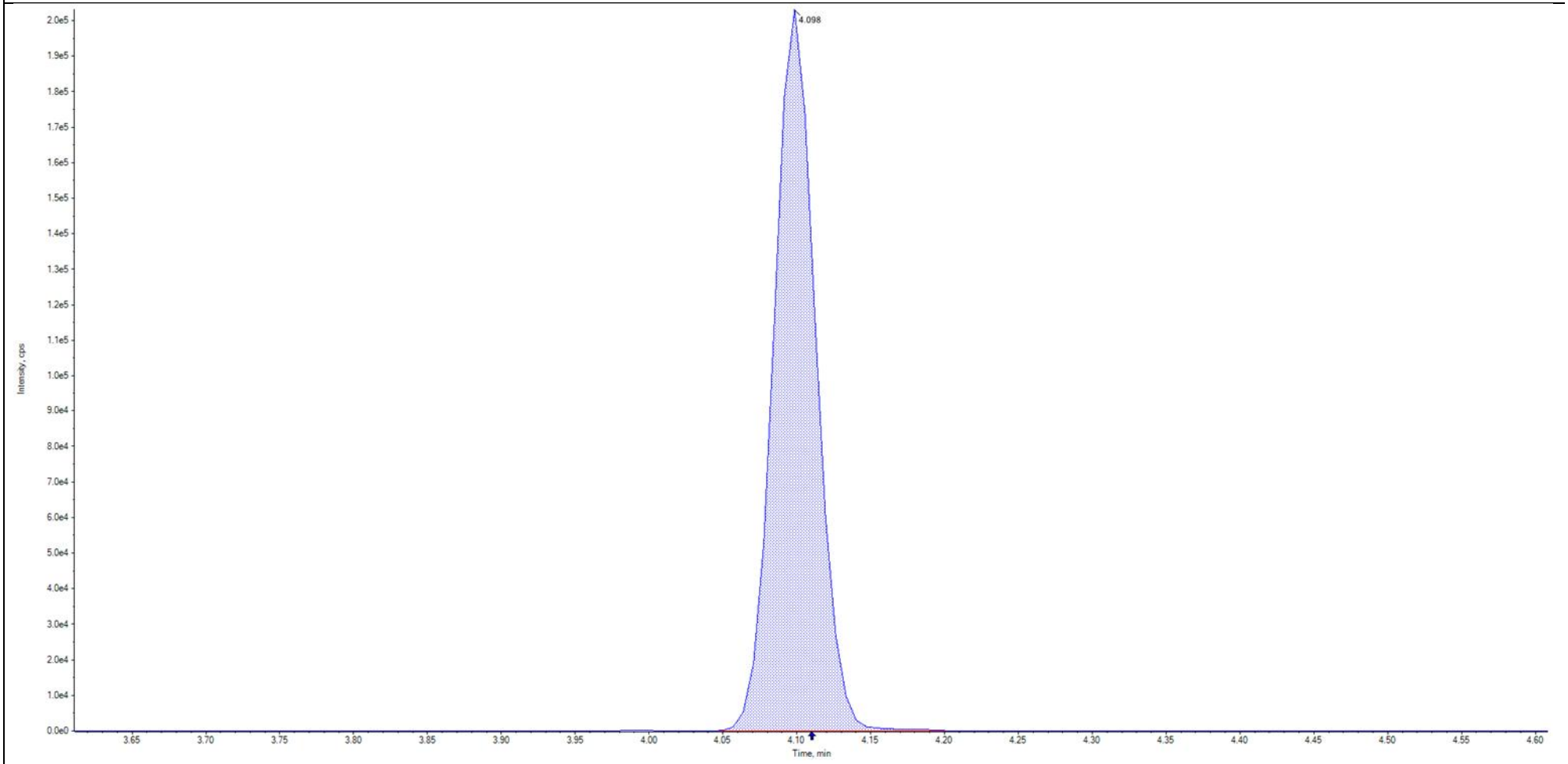
13C8-PFOA
Sample: IA1633STD-25



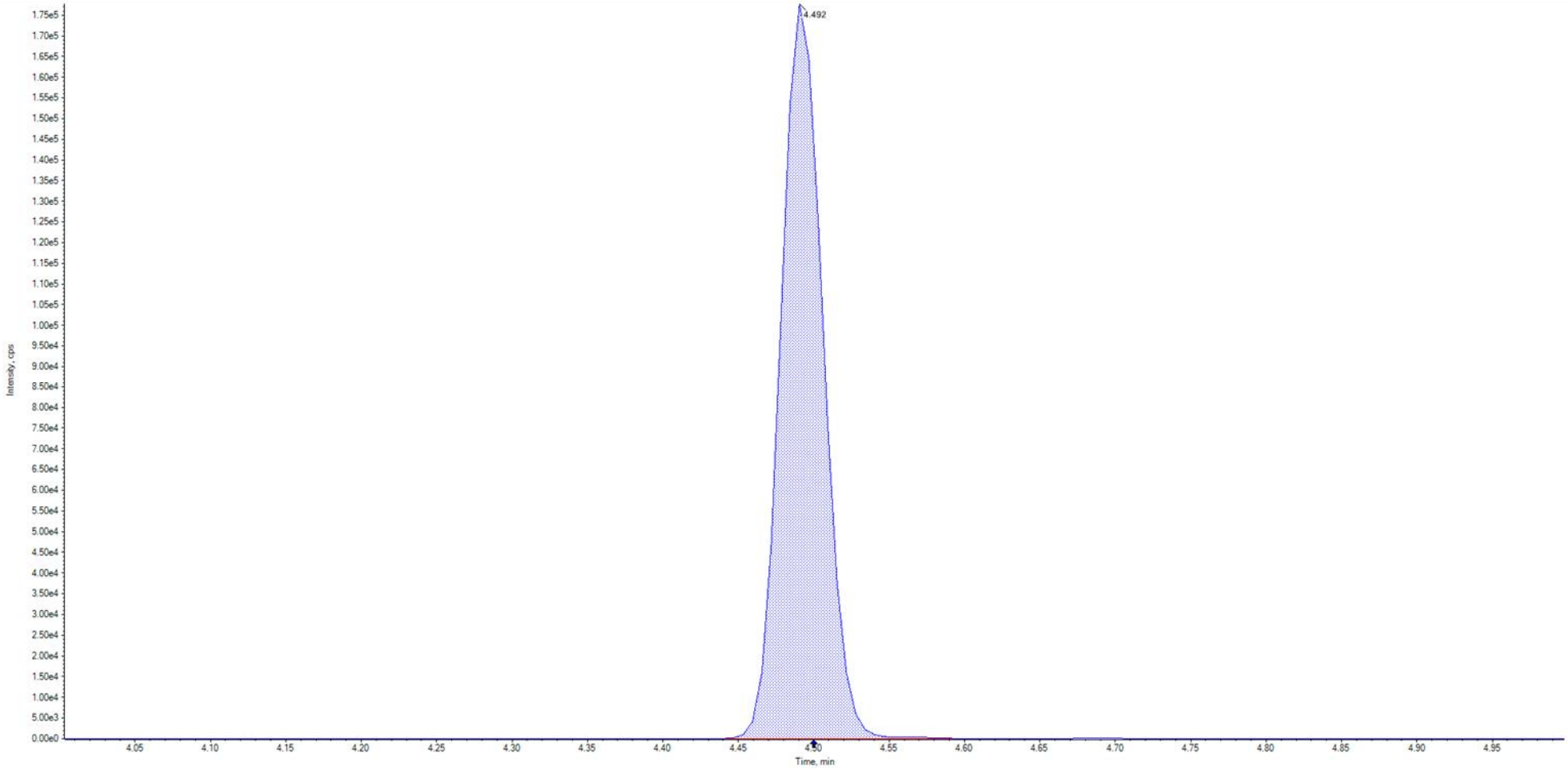
13C9-PFNA
Sample: IA1633STD-25



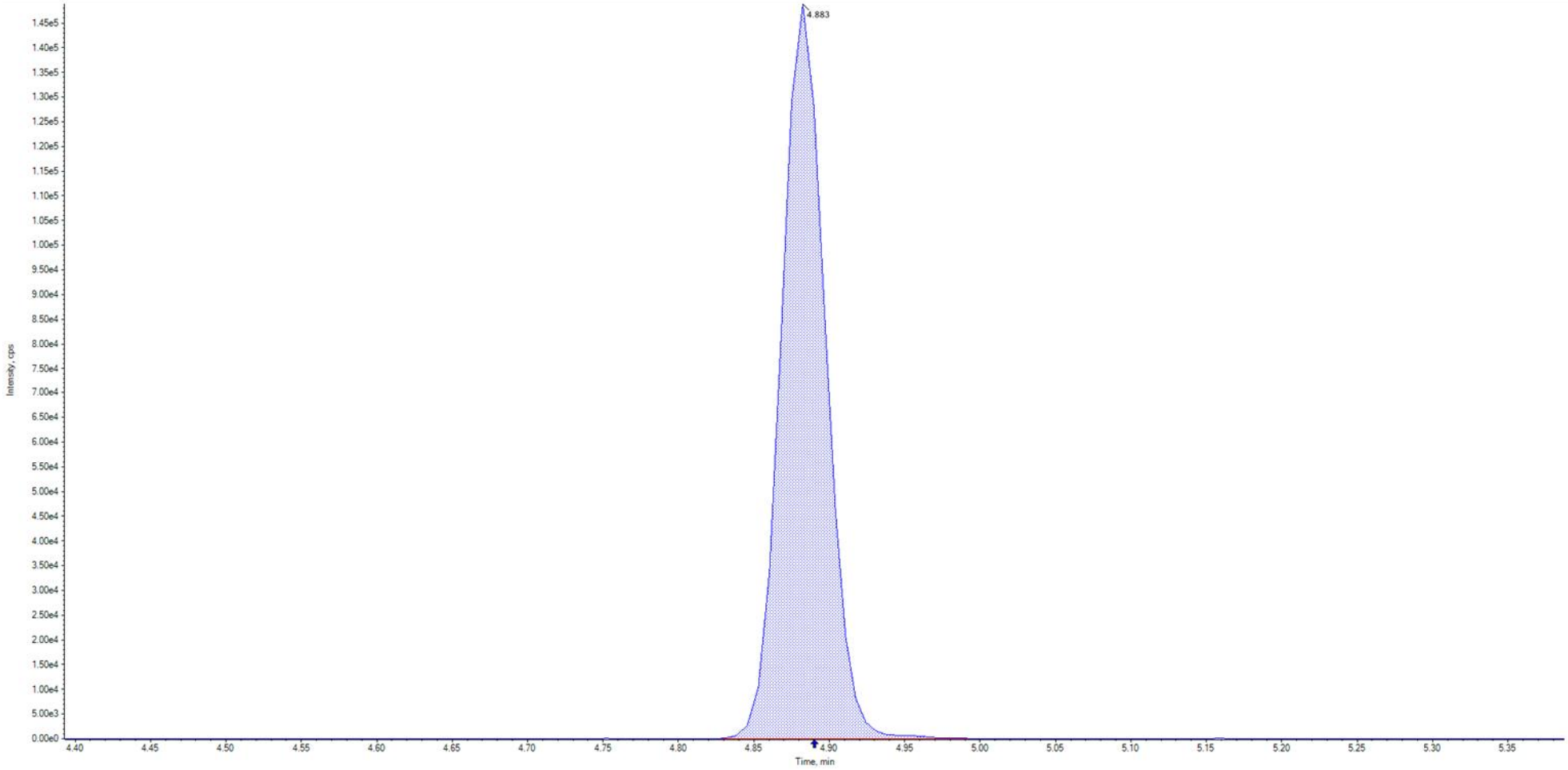
13C6-PFDA
Sample: IA1633STD-25



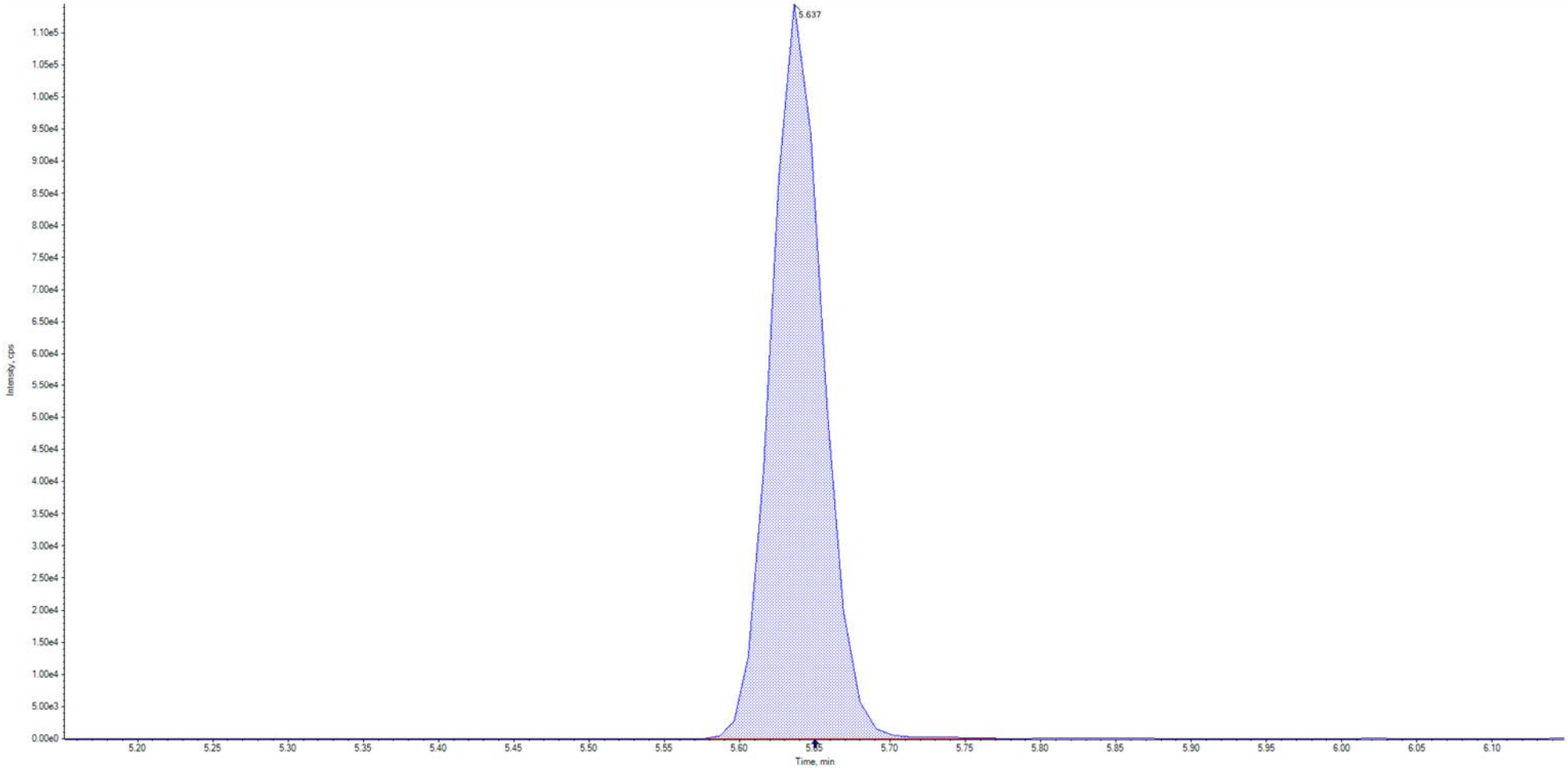
13C7-PFUnA
Sample: IA1633STD-25



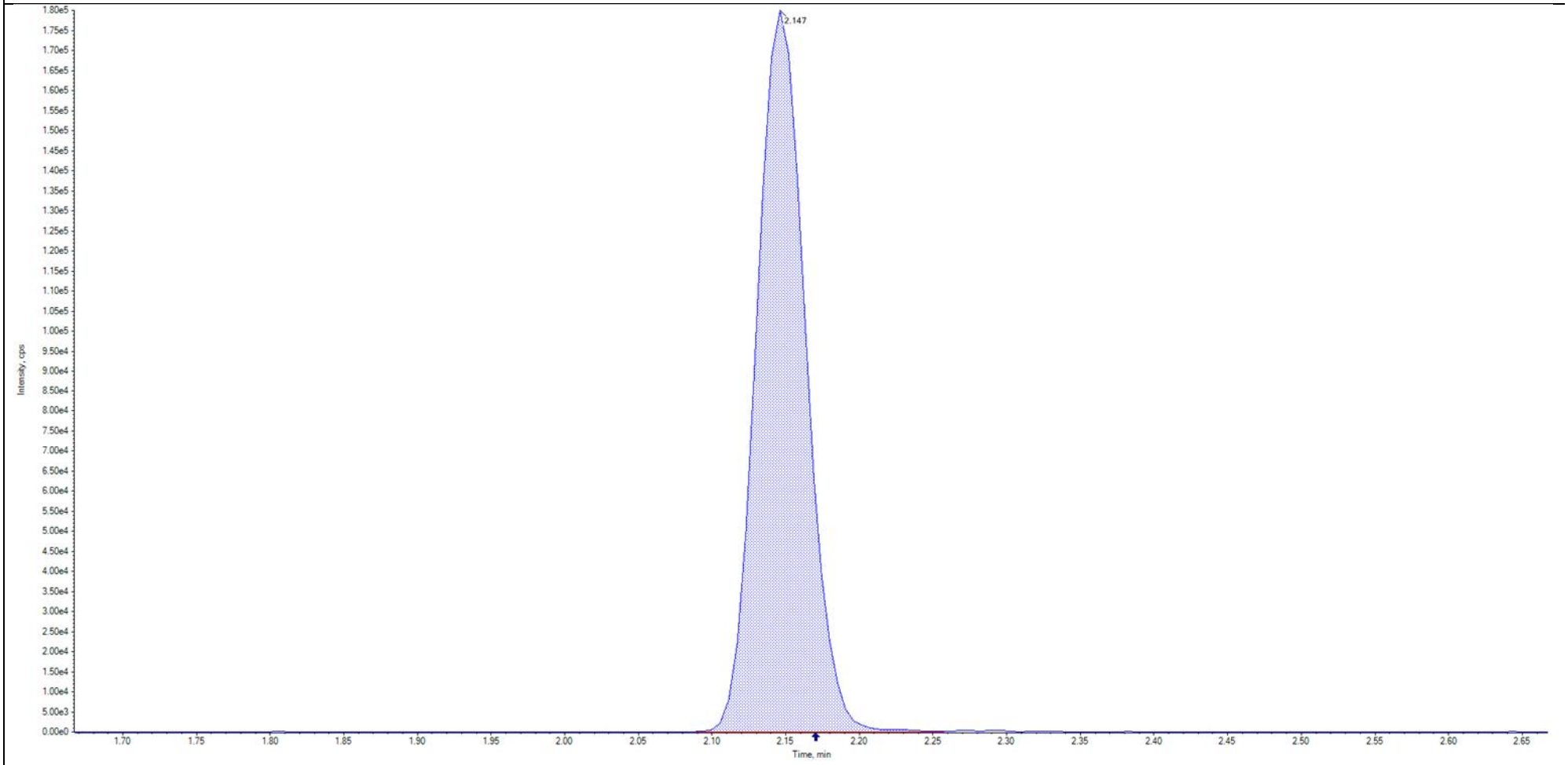
13C2-PFDoA
Sample: IA1633STD-25



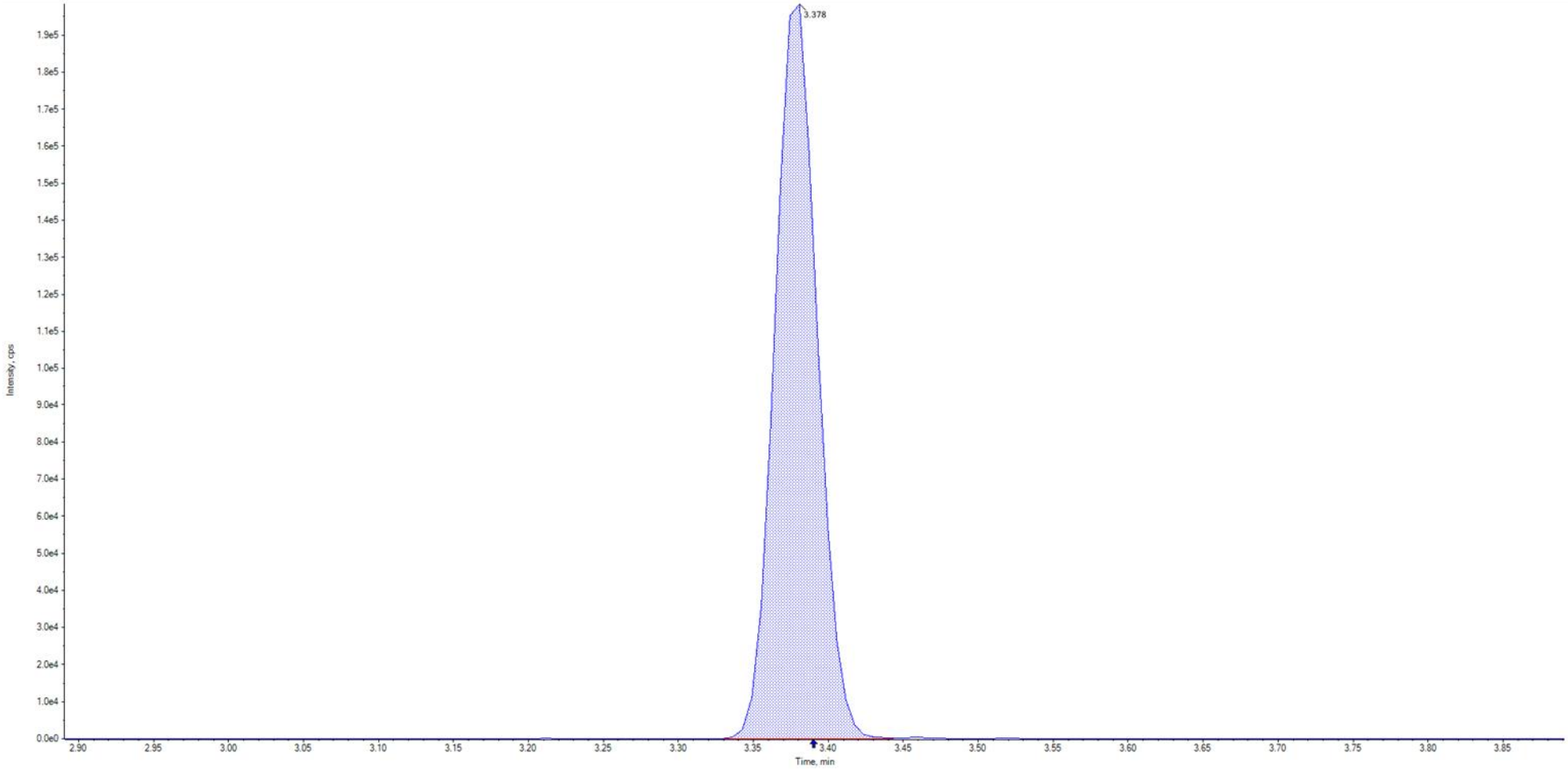
13C2-PFTeDA
Sample: IA1633STD-25



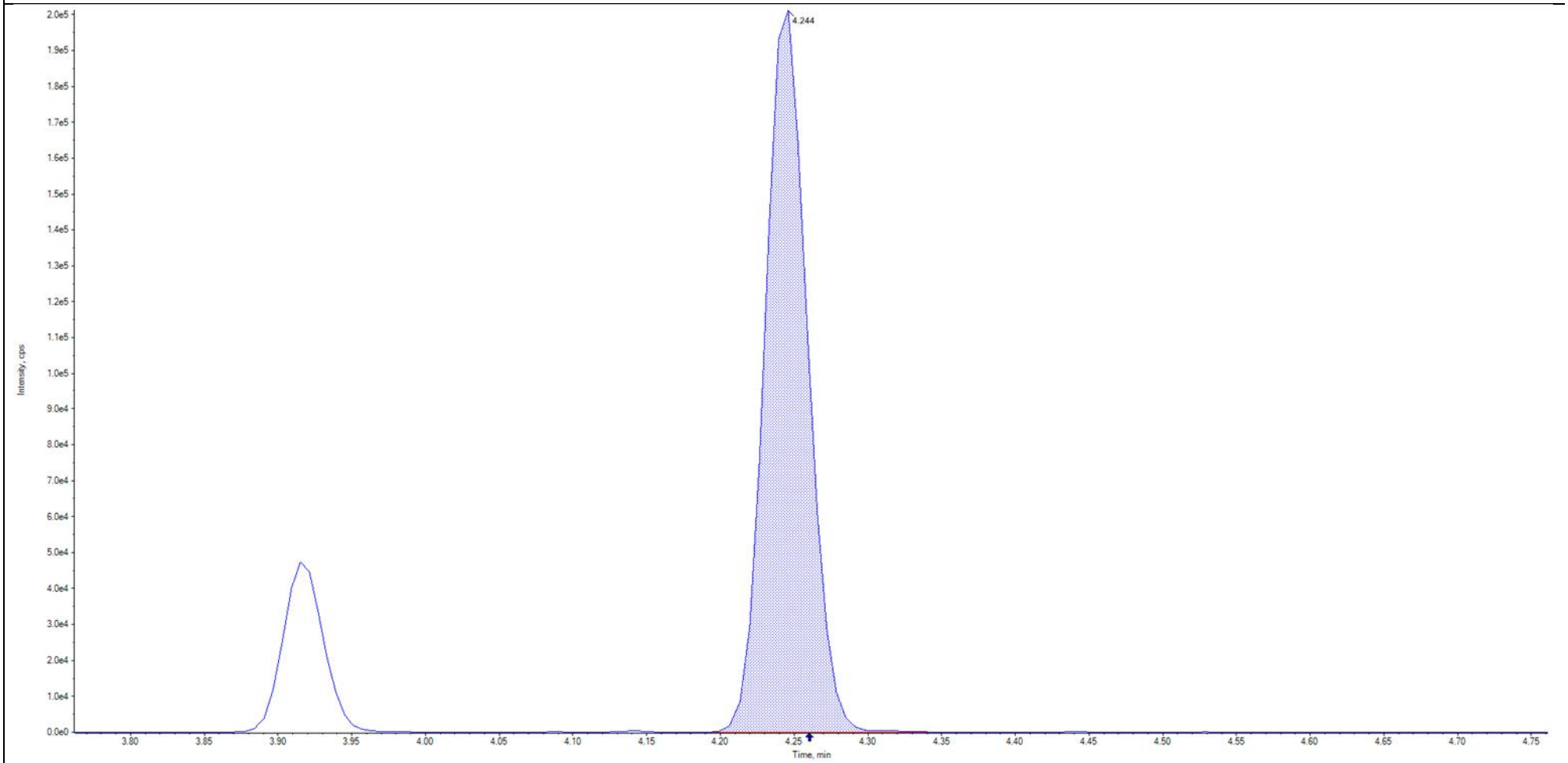
13C3-PFBS
Sample: IA1633STD-25



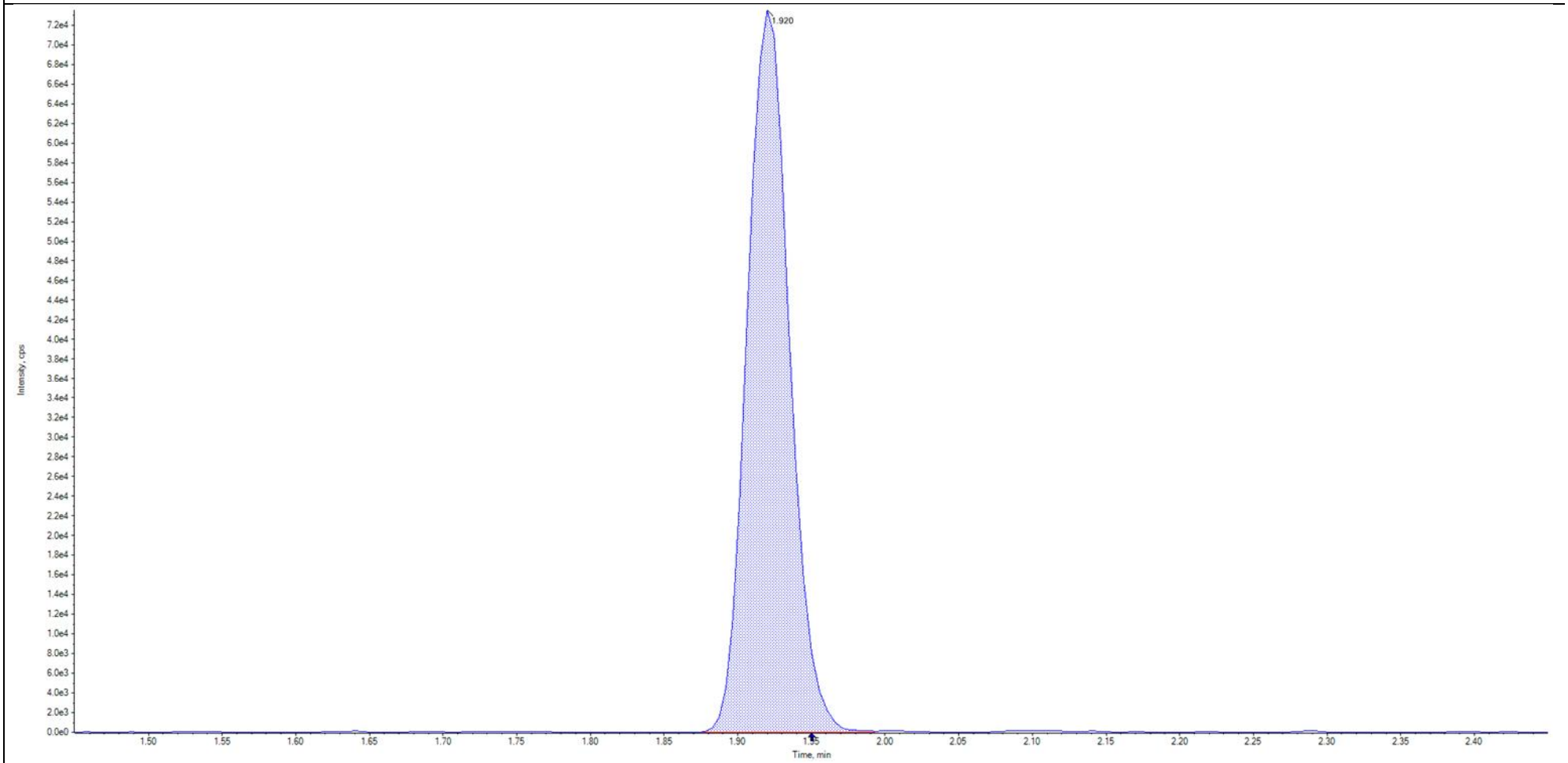
13C3-PFHxS
Sample: IA1633STD-25



13C8-PFOS
Sample: IA1633STD-25



13C2-4:2FTS
Sample: IA1633STD-25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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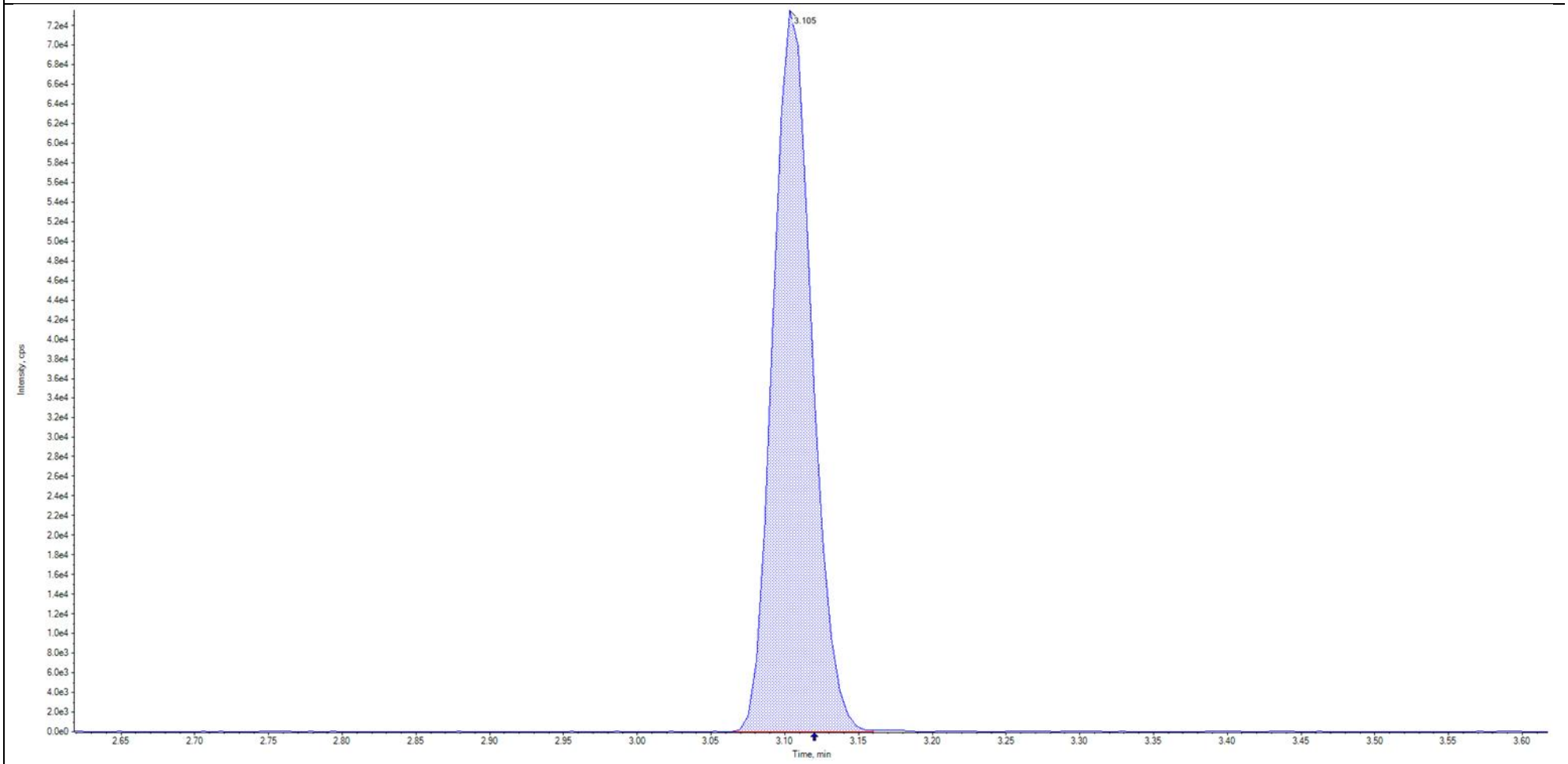
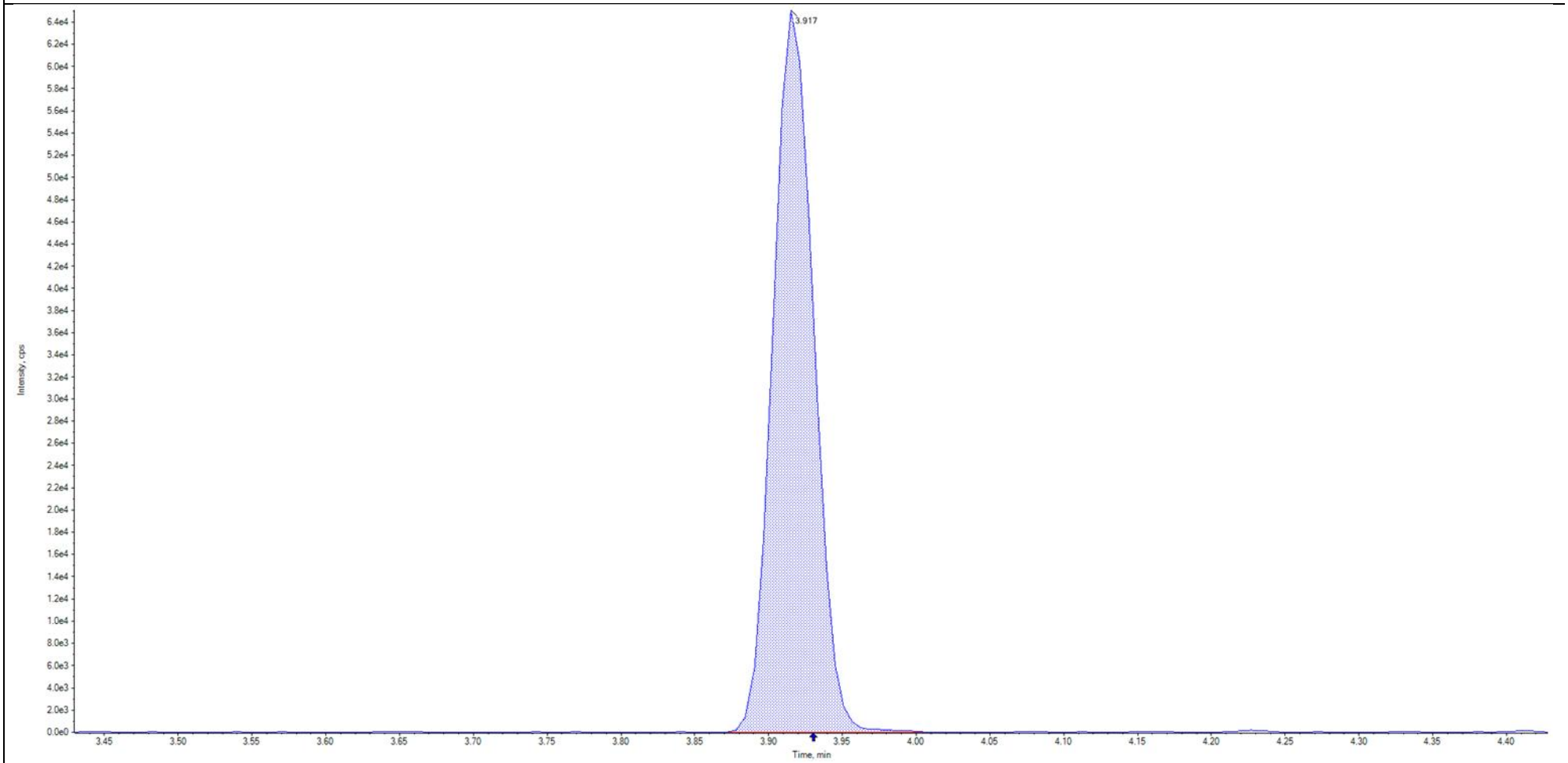
Generated: 11/15/2024 2:54:34 PM

13C2-6:2FTS
Sample: IA1633STD-25



13C2-8:2FTS
Sample: IA1633STD-25



13C8-PFOSA
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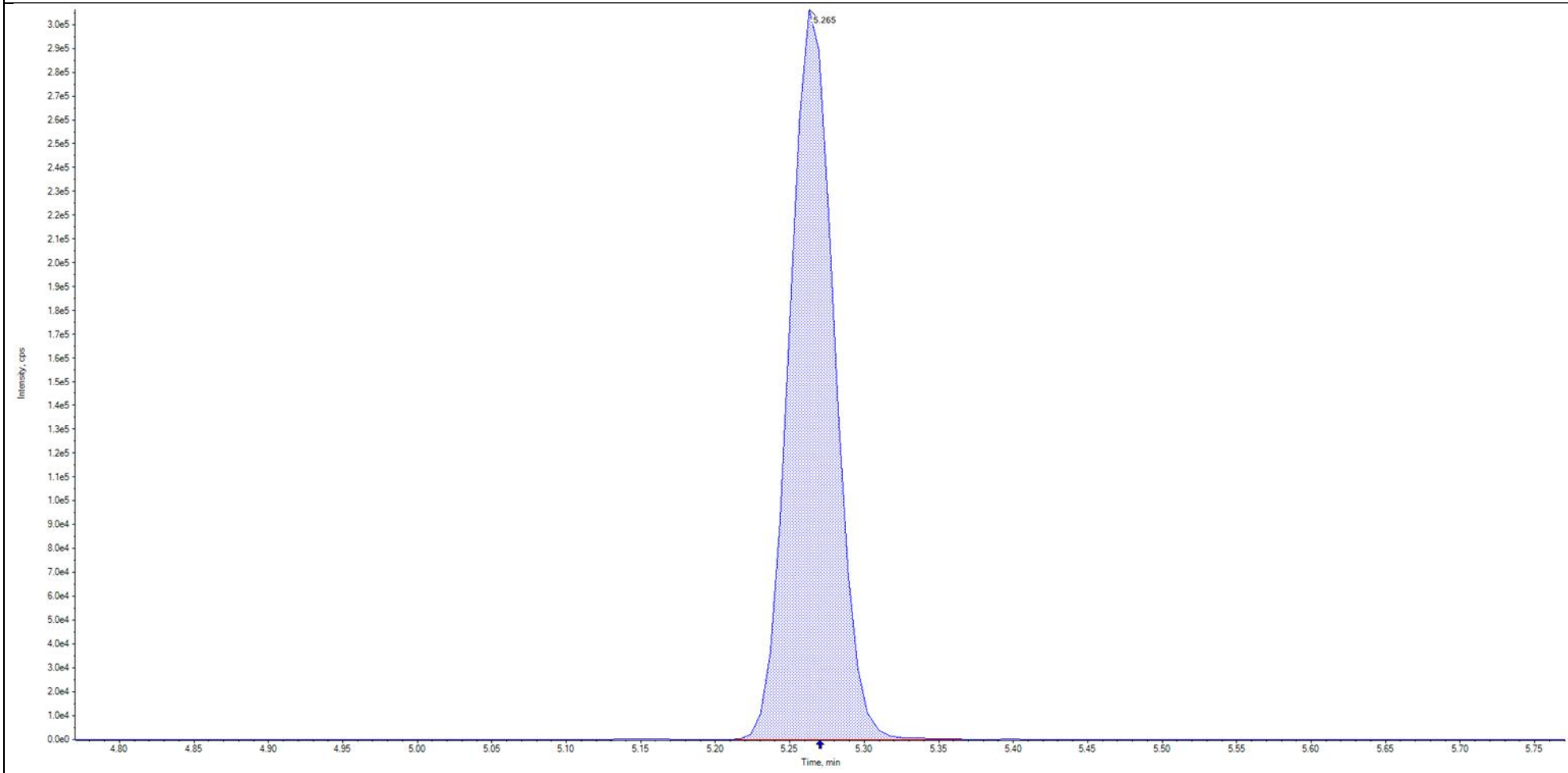

d3-NMeFOSA
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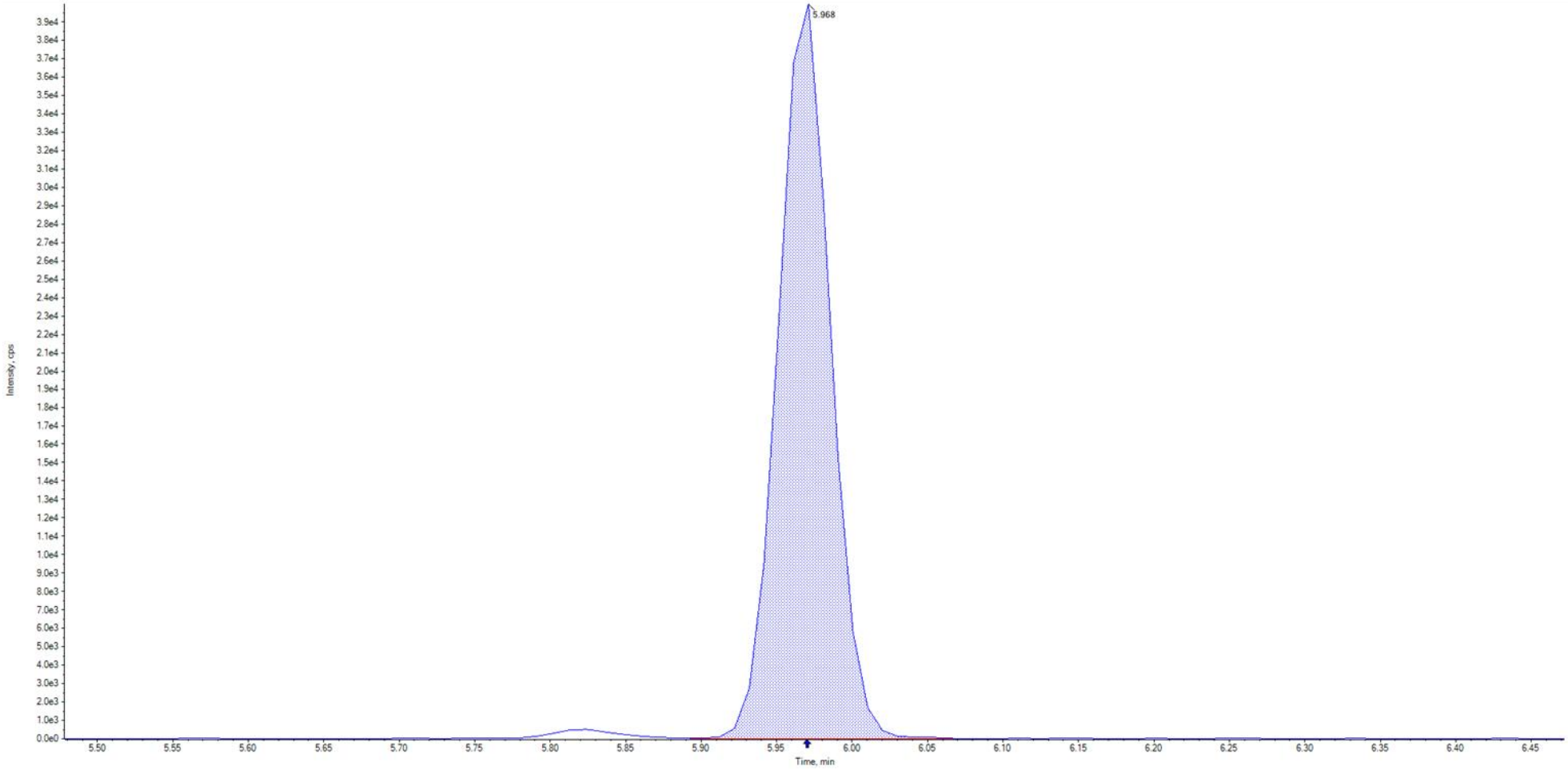
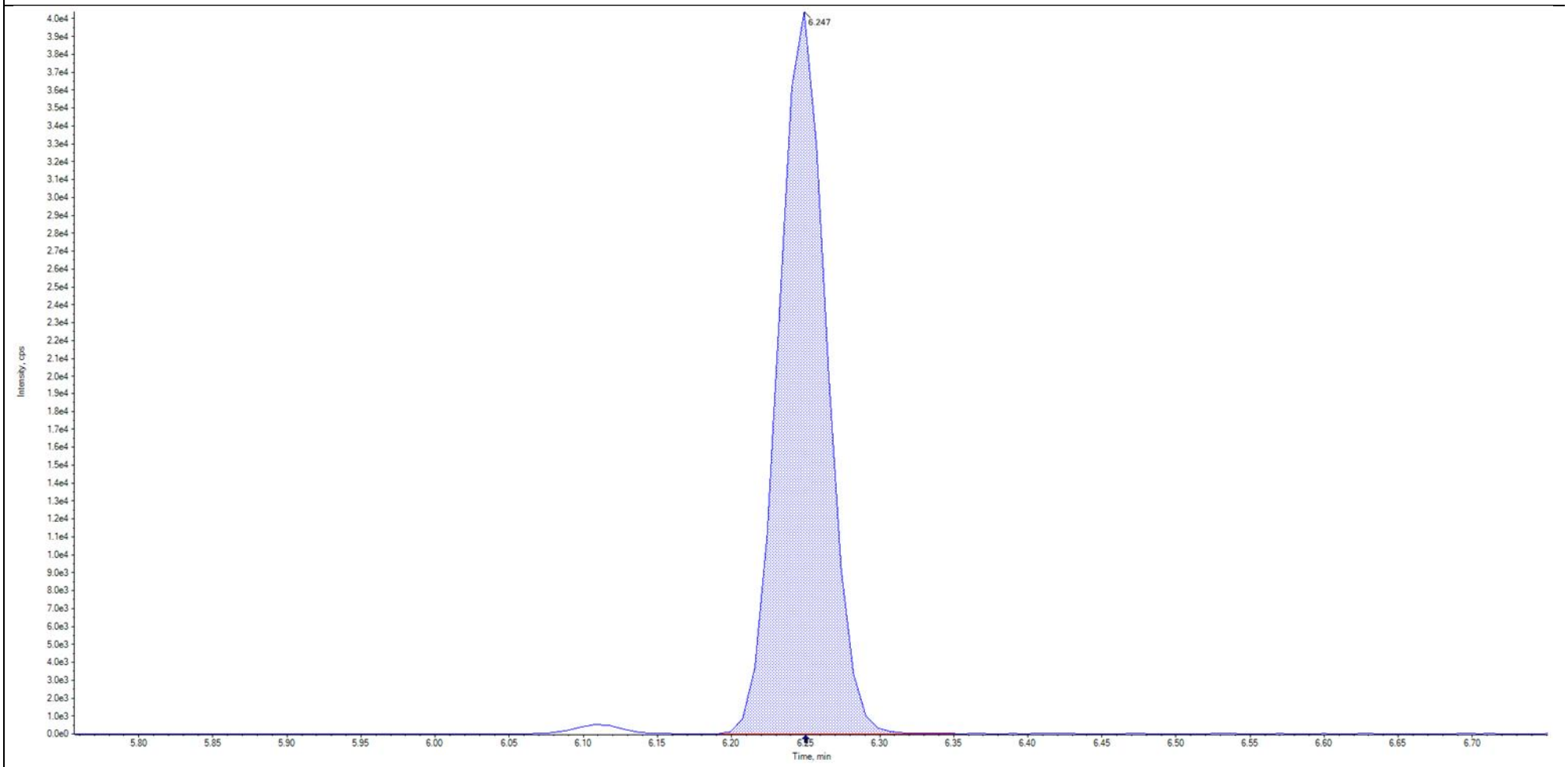


d5-NEtFOSA
Sample: IA1633STD-25



d3-NMeFOSAA
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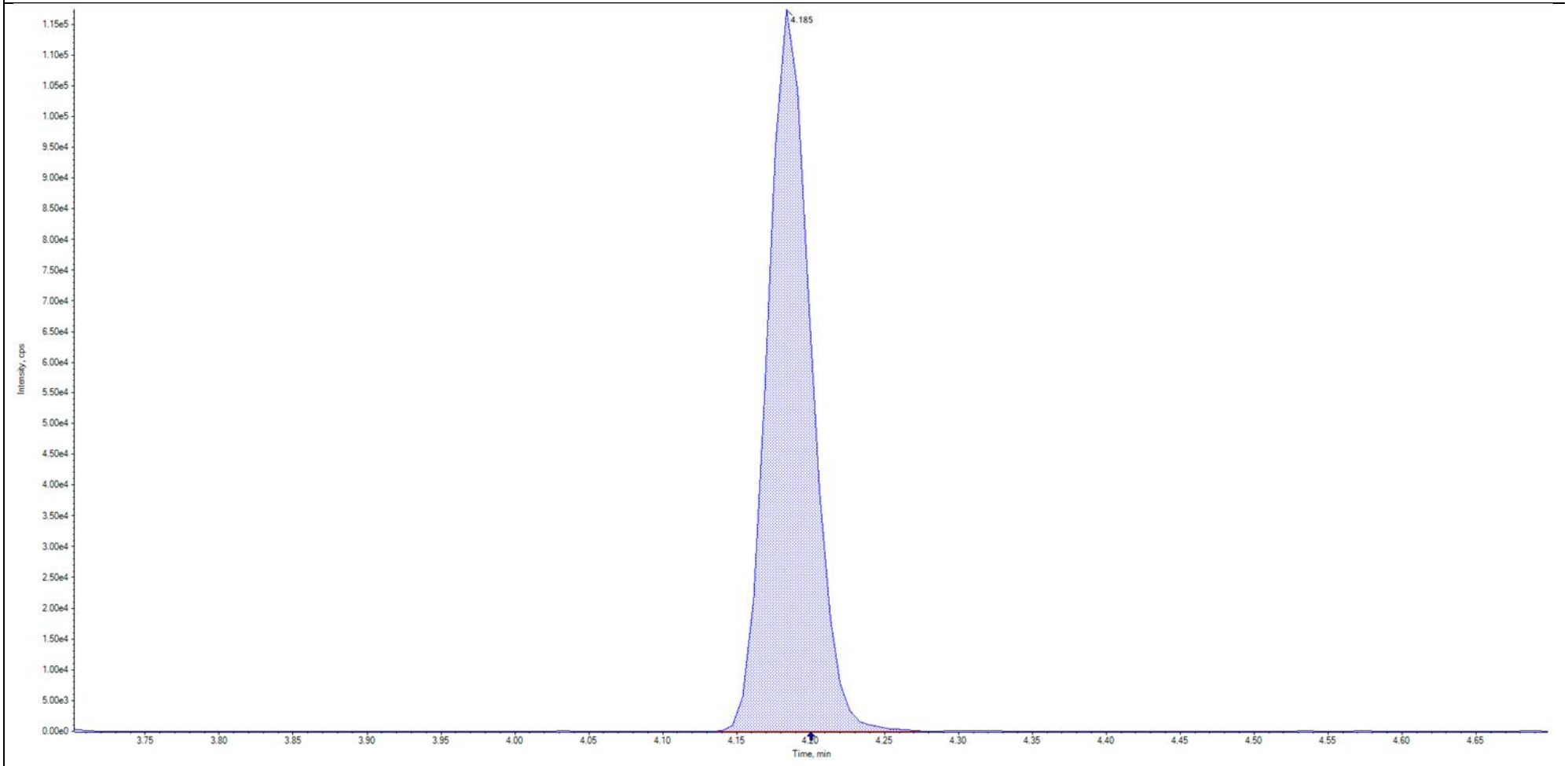

d5-NEtFOSAA
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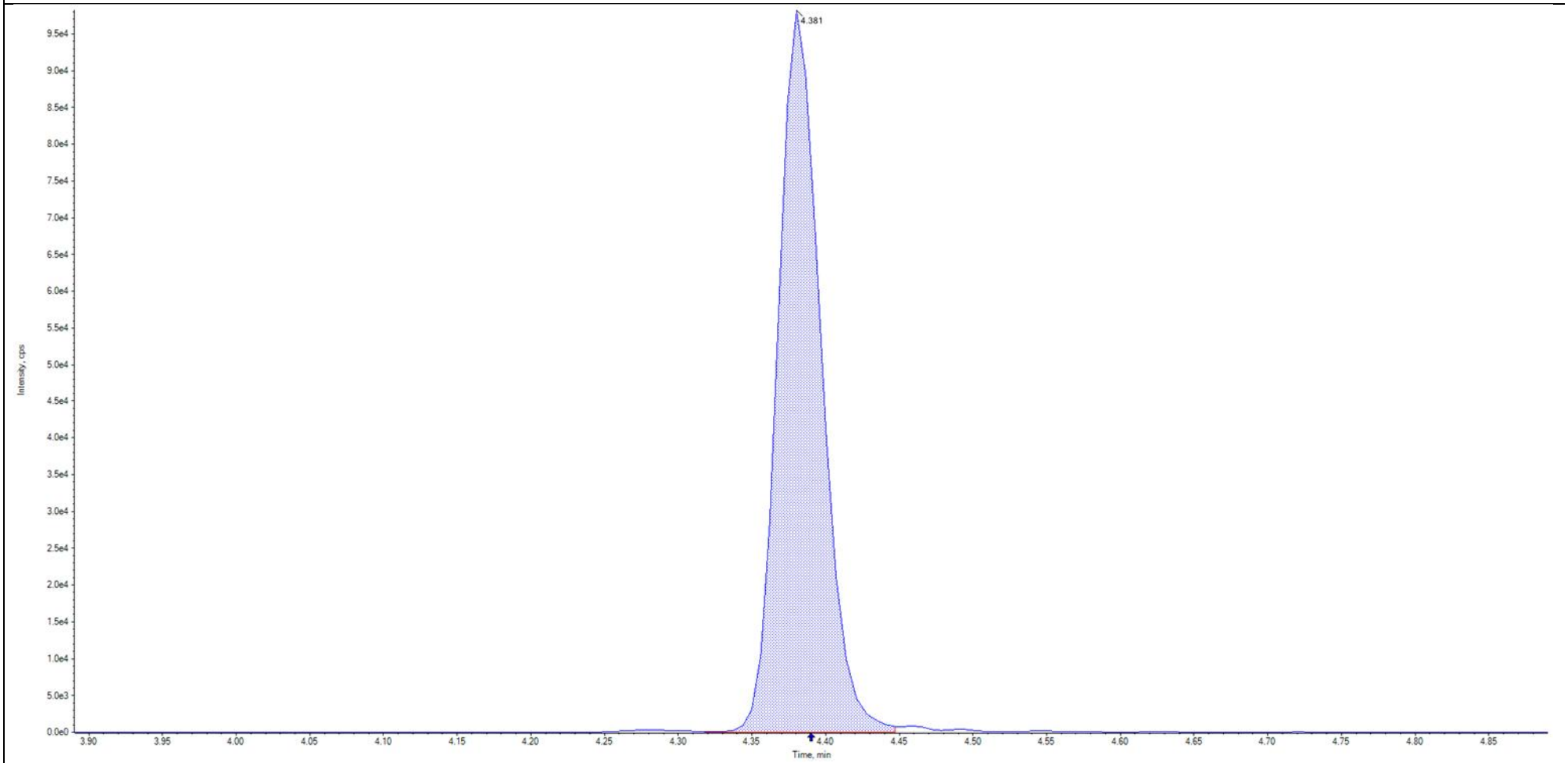
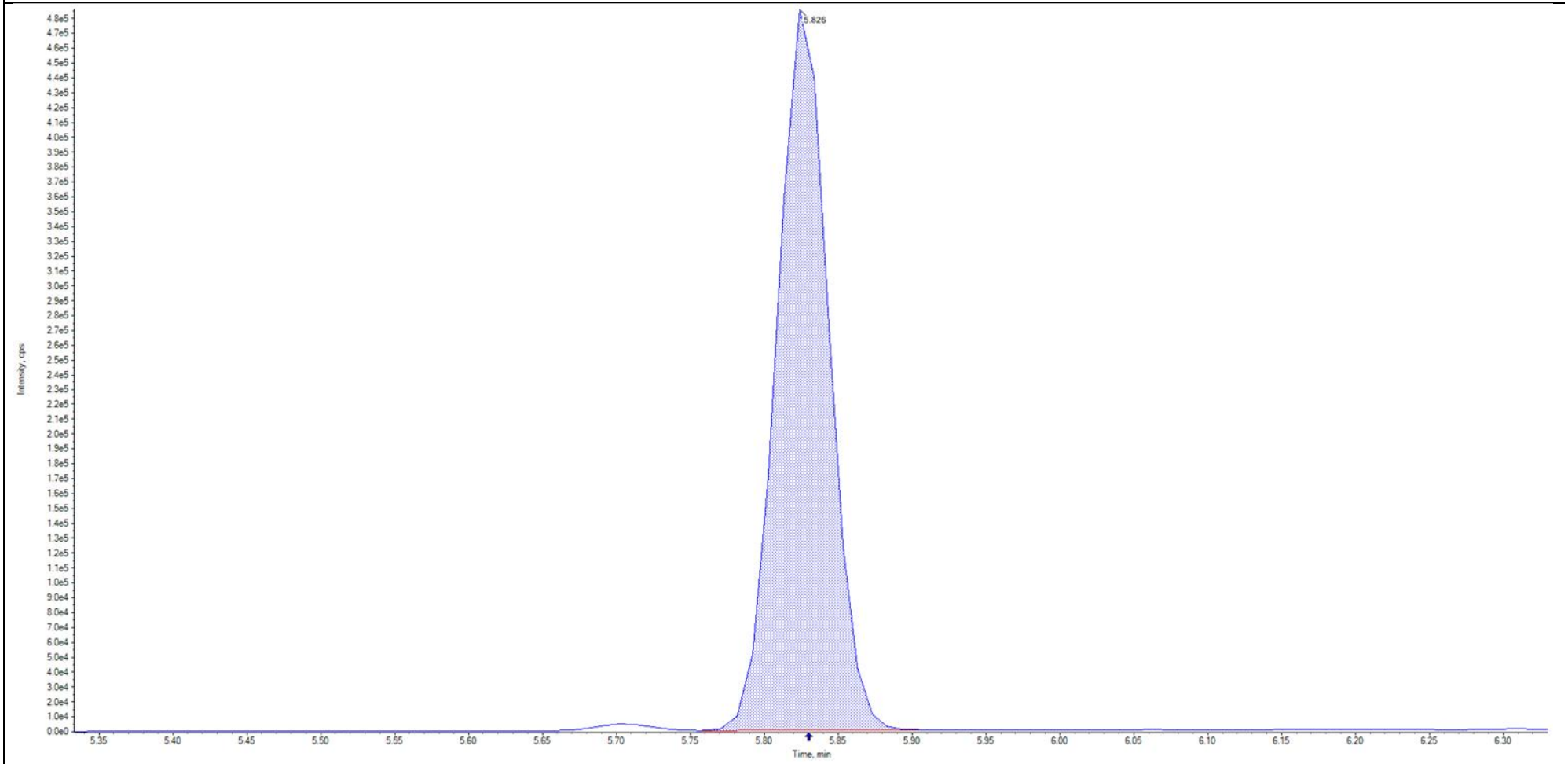
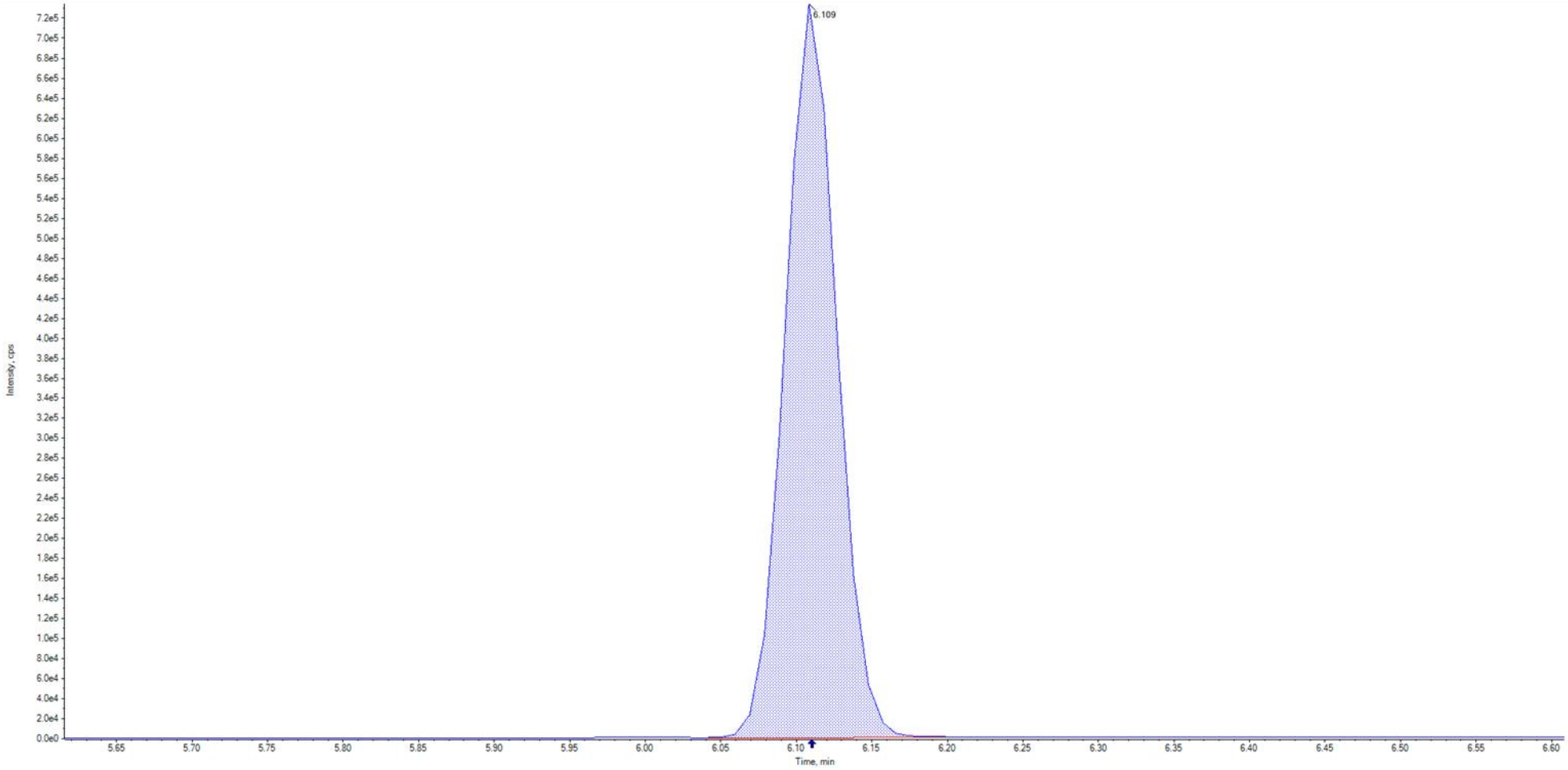


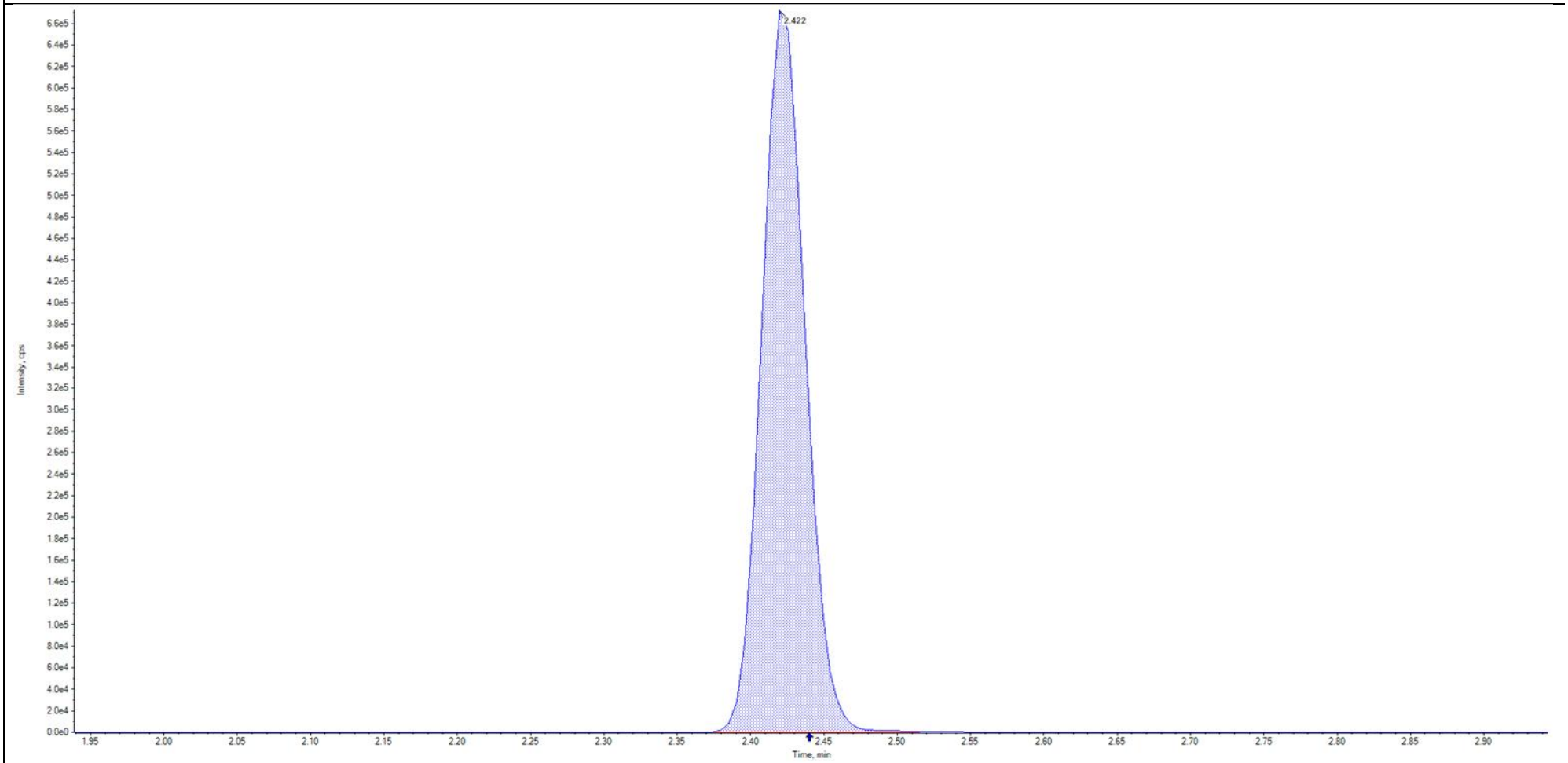
d7-NMeFOSE
Sample: IA1633STD-25



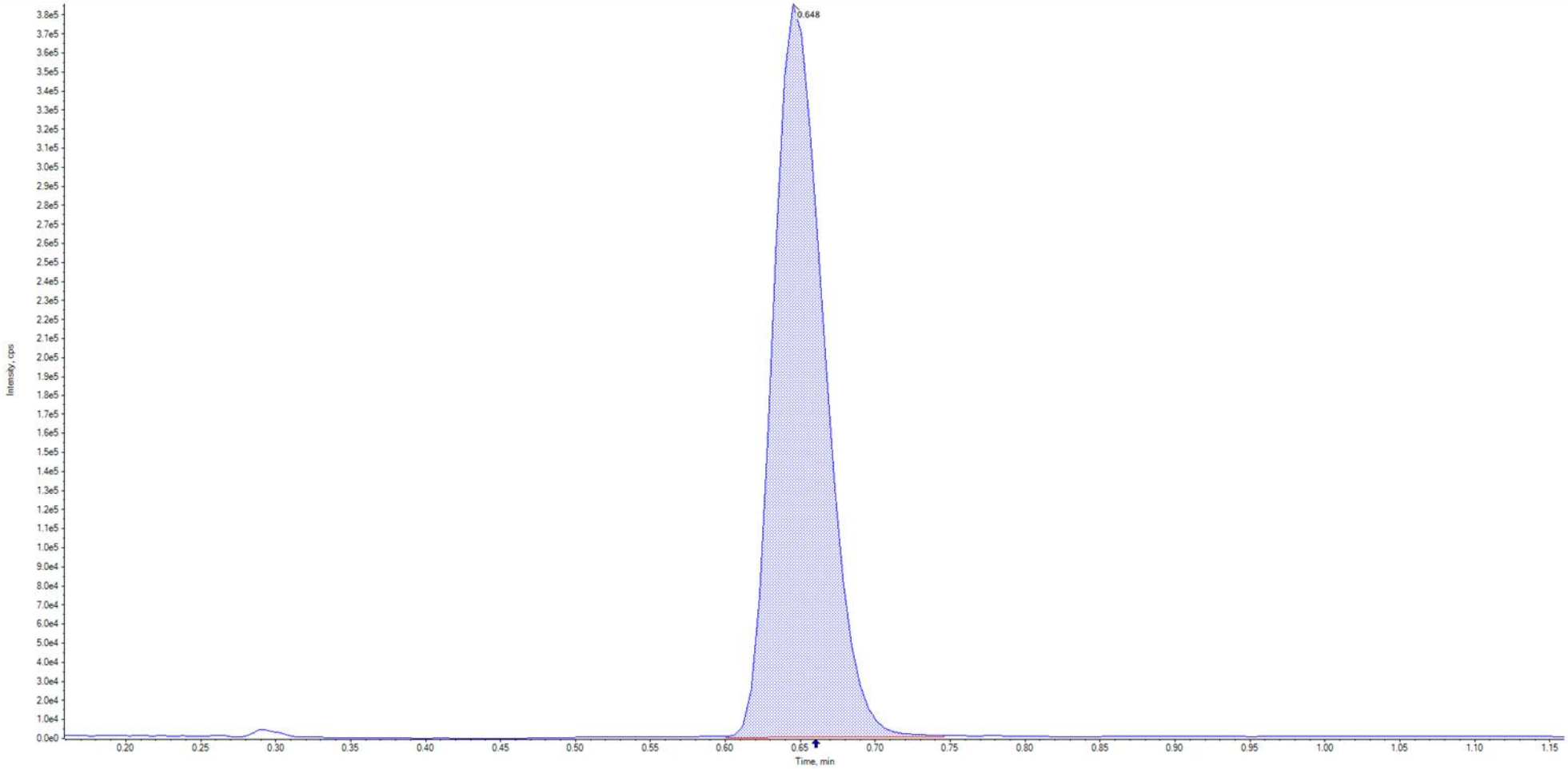
d9-NEtFOSE
Sample: IA1633STD-25



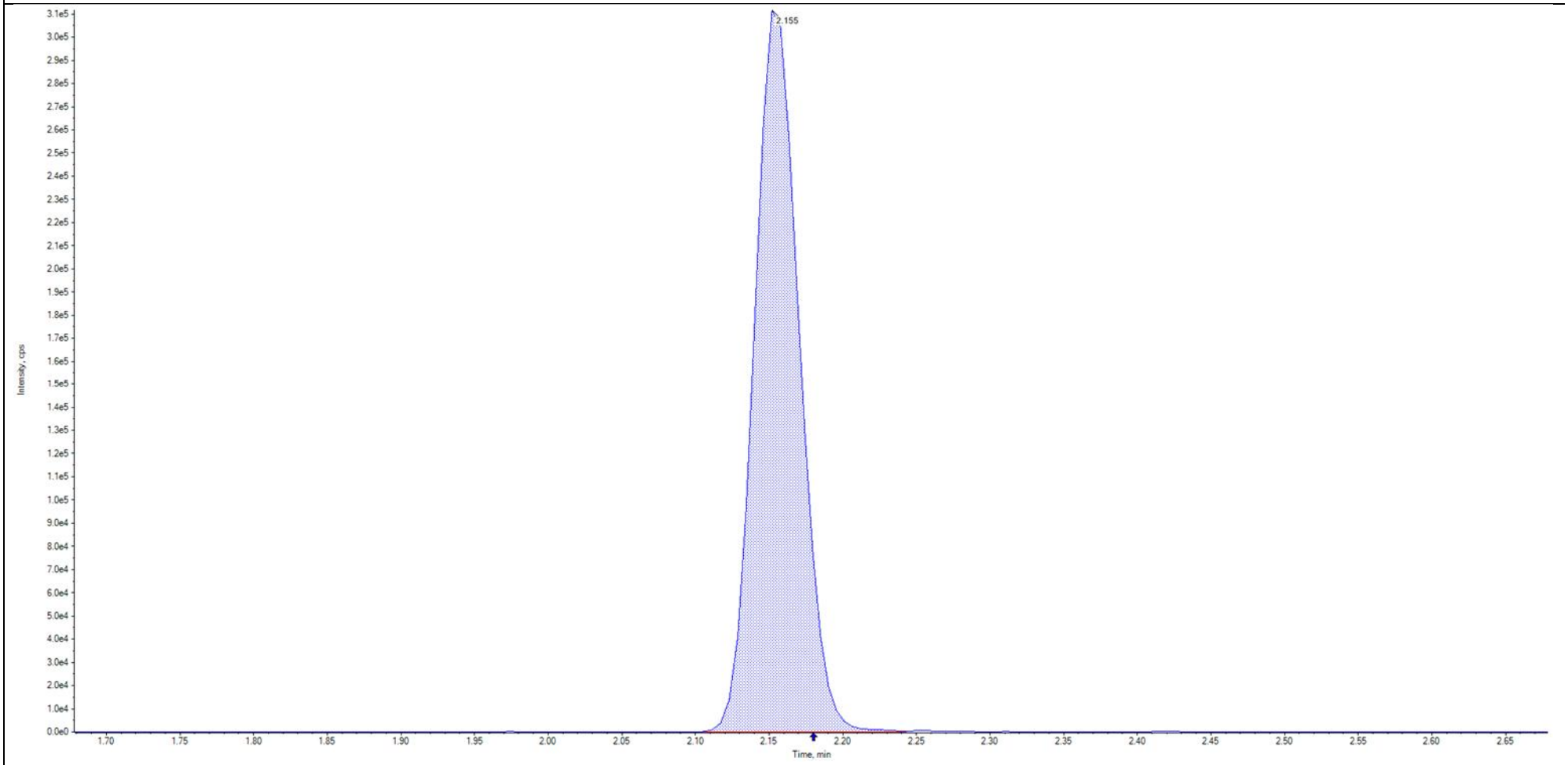
13C3-HFPO-DA
Sample: IA1633STD-25



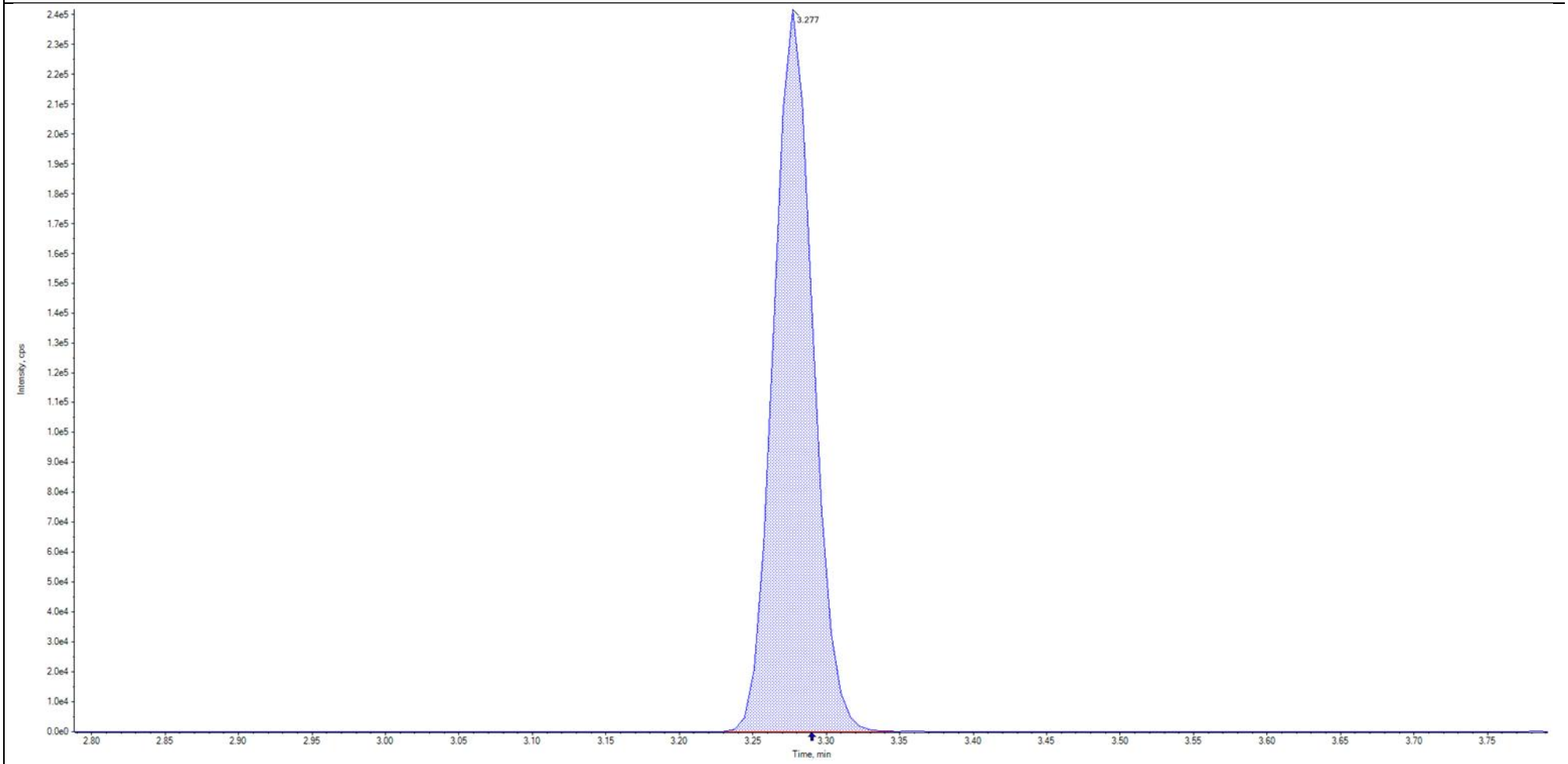
13C3-PFBA
Sample: IA1633STD-25



13C2-PFHxA
Sample: IA1633STD-25



13C4-PFOA
Sample: IA1633STD-25



13C5-PFNA
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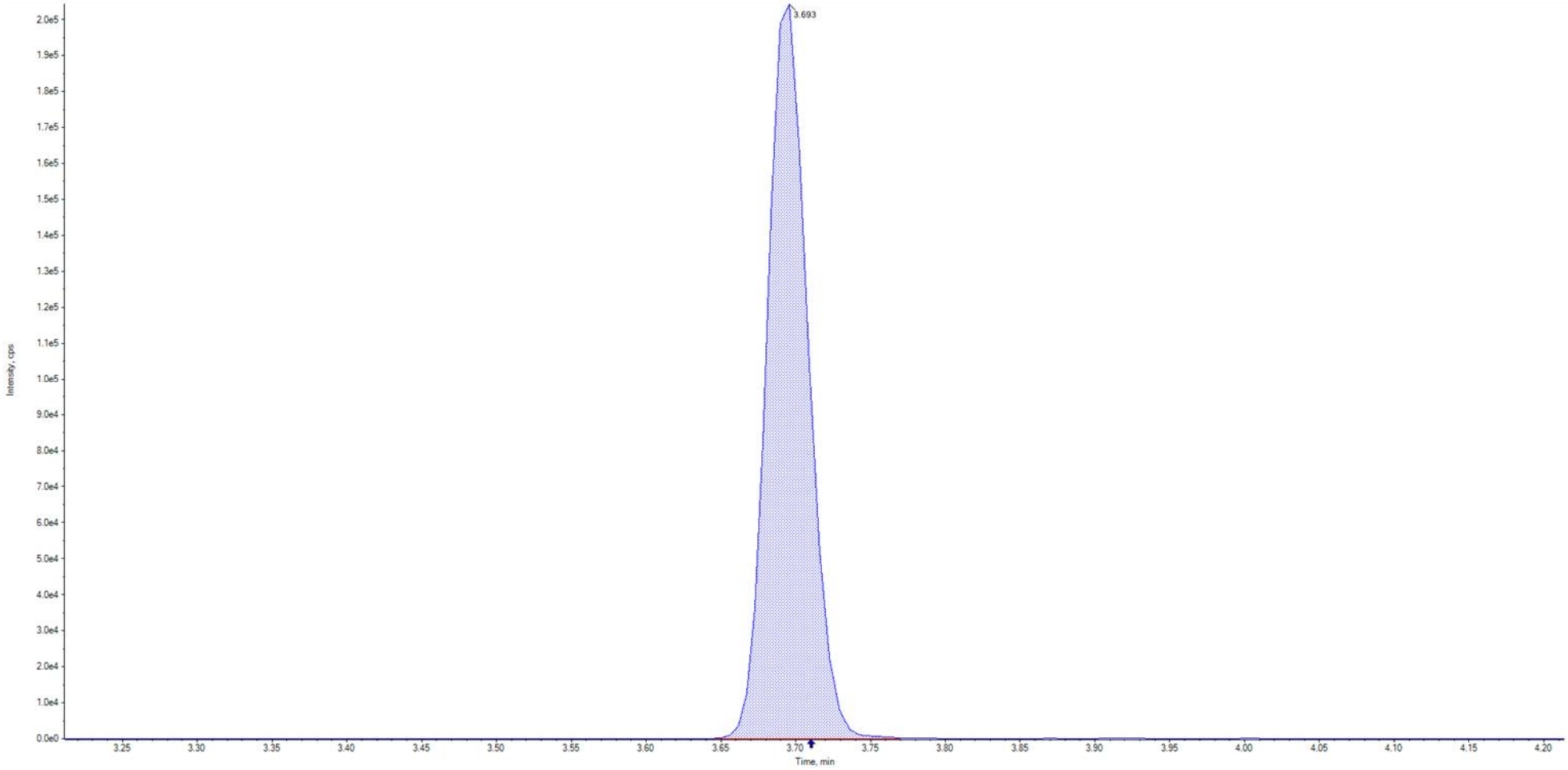
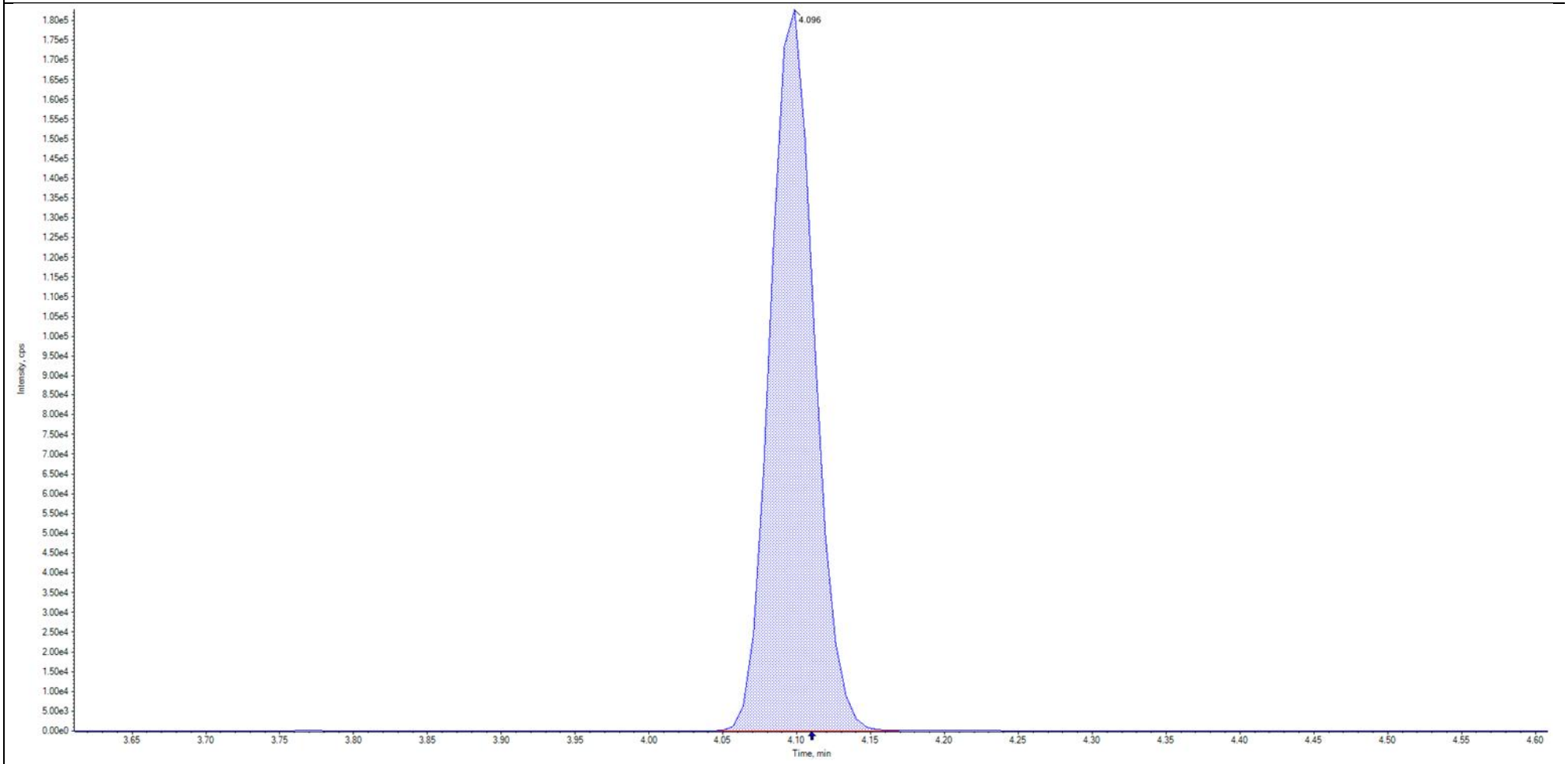
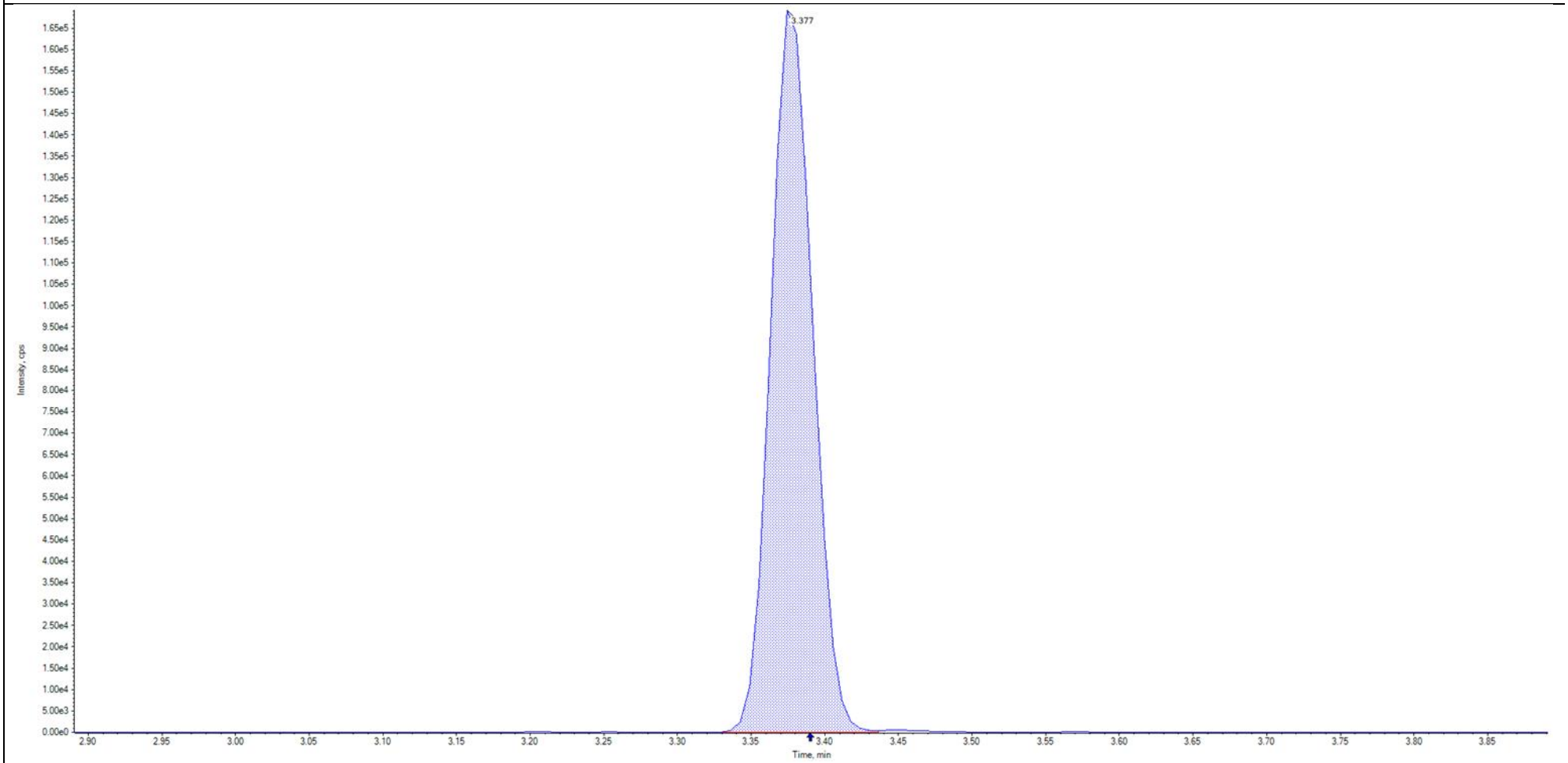


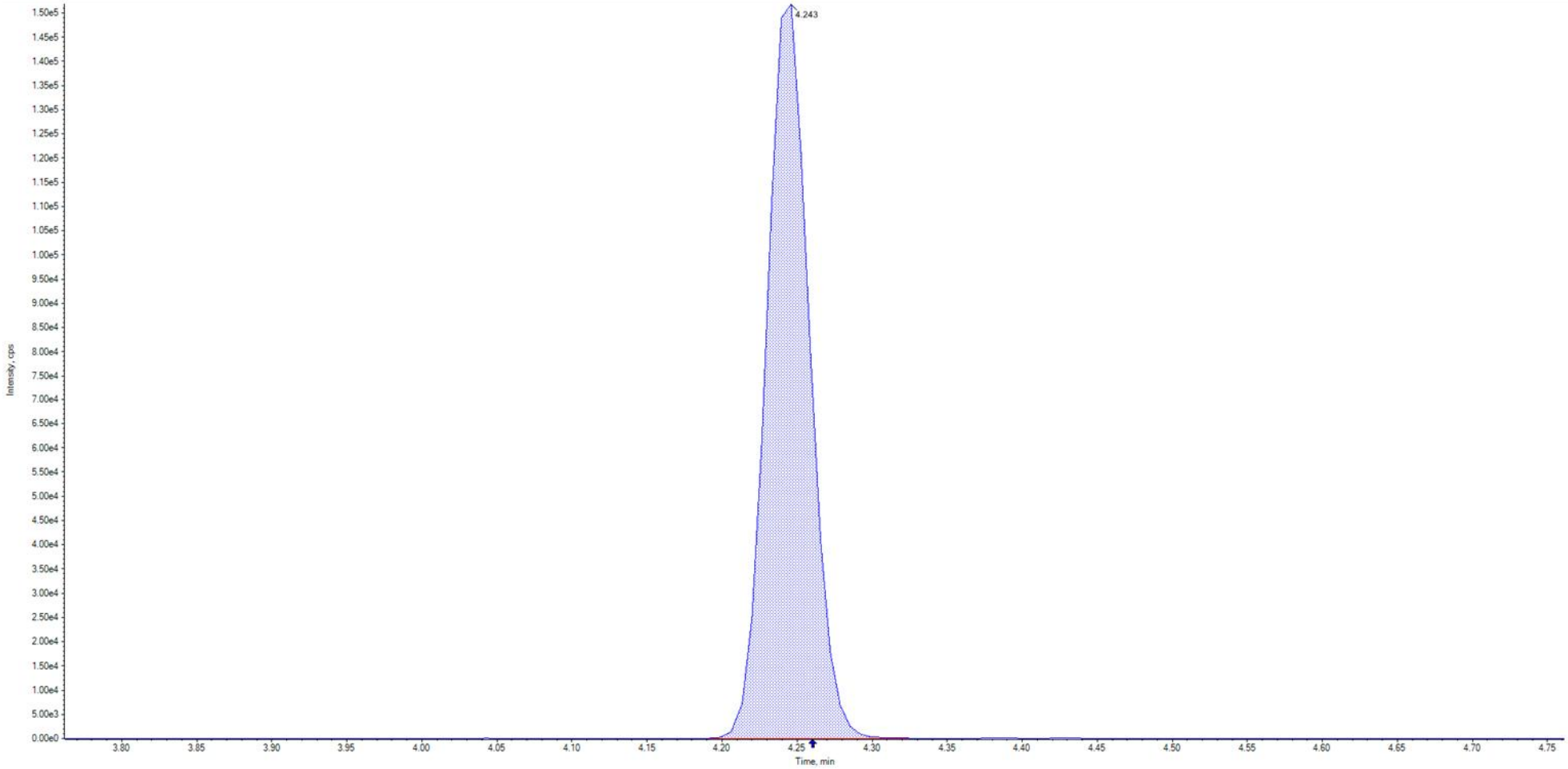
13C2-PFDA
Sample: IA1633STD-25



18O2-PFHxS
Sample: IA1633STD-25



13C4-PFOS
Sample: IA1633STD-25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 11/15/2024 2:54:34 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Method: EPA1633F.qmethod
Calibration: 241115_EPA1633_ICAL

ID: IA1633STD-50
Name: SCI05_241115_14.wiff2
Date & Time: 2024-11-15T14:03:36
Description: WG1997639,,EPA1633F_241008_L8
Instrument: SCIEX Triple Quad 5500+
User: LCMS05:PNB

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.67	213.0 / 169.0	31505090		211.596	N/A	N/A	N/A	105.8
2	PFPeA	2706-90-3	1.35	263.0 / 219.0	17379895		104.700	0.007	N/A	N/A	104.7
3	PFPeA_2	2706-90-3	1.35	263.0 / 68.9	122576		99.488	0.007	N/A	N/A	99.5
4	PFHxA	307-24-4	2.18	313.0 / 269.0	13824322		50.314	0.075	0.089	Pass	100.6
5	PFHxA_2	307-24-4	2.18	313.0 / 119.0	1036576		51.108	0.075	0.089	Pass	102.2
6	PFHpA	375-85-9	2.84	363.1 / 319.0	14801197		46.187	0.321	0.332	Pass	92.4
7	PFHpA_2	375-85-9	2.84	363.1 / 169.0	4744218		46.179	0.321	0.332	Pass	92.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.30	413.1 / 369.1	15551212	M5	52.451	0.376	0.369	Pass	104.9
9	PFOA_2	335-67-1	3.30	413.1 / 169.0	5849620	M5	53.438	0.376	0.369	Pass	106.9
10	PFNA	375-95-1	3.72	462.8 / 418.9	13850342		52.980	0.307	0.303	Pass	106.0
11	PFNA_2	375-95-1	3.72	462.8 / 219.0	4256202	M5	54.563	0.307	0.303	Pass	109.1
12	PFDA	335-76-2	4.12	513.1 / 469.1	12632641		51.656	0.159	0.162	Pass	103.3
13	PFDA_2	335-76-2	4.12	513.1 / 219.0	2003260		49.617	0.159	0.162	Pass	99.2
14	PFUnA	2058-94-8	4.51	563.1 / 519.1	10335511		52.817	0.191	0.199	Pass	105.6
15	PFUnA_2	2058-94-8	4.51	563.1 / 269.0	1976191		52.051	0.191	0.199	Pass	104.1
16	PFDoA	307-55-1	4.90	613.1 / 569.1	10887259		48.998	0.185	0.180	Pass	98.0
17	PFDoA_2	307-55-1	4.90	613.1 / 319.0	2017604		49.094	0.185	0.180	Pass	98.2
18	PFTrDA	72629-94-8	5.28	663.1 / 619.1	10963889		49.759	0.155	0.160	Pass	99.5
19	PFTrDA_2	72629-94-8	5.28	663.1 / 169.0	1694892		47.774	0.155	0.160	Pass	95.6
20	PFTeDA	376-06-7	5.66	713.1 / 669.1	11385794		48.180	0.145	0.149	Pass	96.4
21	PFTeDA_2	376-06-7	5.66	713.1 / 169.0	1645317		47.709	0.145	0.149	Pass	95.4
22	PFBS	375-73-5	2.17	299.1 / 80.1	7612177		47.070	0.404	0.388	Pass	106.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.17	299.1 / 99.1	3072467		47.807	0.404	0.388	Pass	107.7
24	PFPeS	2706-91-4	2.89	349.1 / 80.1	8532945		50.637	0.288	0.297	Pass	107.7
25	PFPeS_2	2706-91-4	2.89	349.1 / 99.1	2456672		50.216	0.288	0.297	Pass	106.8
26	PFHxS	355-46-4	3.40	399.1 / 80.1	7288145		47.967	0.301	0.296	Pass	105.2
27	PFHxS_2	355-46-4	3.40	399.1 / 99.1	2193553		46.946	0.301	0.296	Pass	103.0
28	PFHpS	375-92-8	3.84	449.1 / 80.1	7091992		49.633	0.275	0.258	Pass	104.3
29	PFHpS_2	375-92-8	3.84	449.1 / 99.1	1950853		51.893	0.275	0.258	Pass	109.0
30	PFOS	1763-23-1	4.26	499.1 / 80.1	7666167	M5	48.621	0.225	0.233	Pass	104.8
31	PFOS_2	1763-23-1	4.26	499.1 / 99.1	1726816		49.094	0.225	0.233	Pass	105.8
32	PFNS	68259-12-1	4.67	549.1 / 80.1	5278817		50.863	0.292	0.296	Pass	106.0
33	PFNS_2	68259-12-1	4.67	549.1 / 99.1	1542460		50.750	0.292	0.296	Pass	105.7
34	PFDS	335-77-3	5.06	599.1 / 80.1	5374751		52.638	0.274	0.272	Pass	109.2
35	PFDS_2	335-77-3	5.06	599.1 / 99.1	1470978		51.423	0.274	0.272	Pass	106.7
36	PFDoS	79780-39-5	5.81	699.2 / 80.1	5017886		53.621	0.250	0.263	Pass	110.8
37	PFDoS_2	79780-39-5	5.81	699.2 / 99.1	1256415		51.159	0.250	0.263	Pass	105.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.94	327.1 / 307.1	10626847		185.908	0.557	0.559	Pass	99.4
39	4:2FTS_2	757124-72-4	1.94	327.1 / 81.1	5922246		183.562	0.557	0.559	Pass	98.2
40	6:2FTS	27619-97-2	3.12	427.2 / 407.2	8441130		183.785	0.620	0.593	Pass	96.7
41	6:2FTS_2	27619-97-2	3.12	427.2 / 81.1	5229850		183.465	0.620	0.593	Pass	96.6
42	8:2FTS	39108-34-4	3.93	527.2 / 507.2	5203269		163.507	0.794	0.759	Pass	85.2
43	8:2FTS_2	39108-34-4	3.93	527.2 / 81.1	4133547		174.929	0.794	0.759	Pass	91.1
44	PFOSA	754-91-6	5.28	498.1 / 78.1	9373125	M5	54.208	0.023	0.023	Pass	108.4
45	PFOSA_2	754-91-6	5.28	498.1 / 478.0	219214	M5	53.550	0.023	0.023	Pass	107.1
46	NMeFOSA	31506-32-8	5.99	512.2 / 219.0	2159783	M5	52.205	1.423	1.457	Pass	104.4
47	NMeFOSA_2	31506-32-8	5.94	512.2 / 169.0	3073729		51.159	1.423	1.457	Pass	102.3
48	NEtFOSA	4151-50-2	6.28	526.2 / 219.0	2136520		53.311	1.303	1.309	Pass	106.6
49	NEtFOSA_2	4151-50-2	6.24	526.2 / 169.0	2783093		52.925	1.303	1.309	Pass	105.9
50	NMeFOSAA	2355-31-9	4.20	570.2 / 419.1	1825395	M5	50.923	0.644	0.804	Pass	101.9
51	NMeFOSAA_2	2355-31-9	4.21	570.2 / 483.0	1175714	M5	42.975	0.644	0.804	Pass	86.0
52	NEtFOSAA	2991-50-6	4.40	584.2 / 419.1	1959543		52.481	0.438	0.419	Pass	105.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.40	584.2 / 526.2	858834	M5	52.182	0.438	0.419	Pass	104.4
54	NMeFOSE	24448-09-7	5.86	616.1 / 58.9	62433418	M5	523.040	N/A	N/A	N/A	104.6
55	NEtFOSE	1691-99-2	6.15	630.0 / 58.9	93921094		506.512	N/A	N/A	N/A	101.3
56	HFPO-DA	13252-13-6	2.44	285.0 / 169.0	26503272		204.138	0.579	0.685	Pass	102.1
57	HFPO-DA_2	13252-13-6	2.44	285.0 / 184.9	15355882		180.682	0.579	0.685	Pass	90.3
58	ADONA	919005-14-4	3.01	376.9 / 251.0	52530566		190.263	0.867	0.884	Pass	100.7
59	ADONA_2	919005-14-4	3.01	376.9 / 84.8	45535963		163.952	0.867	0.884	Pass	86.8
60	9Cl-PF3ONS	756426-58-1	4.54	530.8 / 351.1	55132596		162.109	0.335	0.325	Pass	86.7
61	9Cl-PF3ONS_2	756426-58-1	4.54	532.8 / 353.0	18472331		166.557	0.335	0.325	Pass	89.1
62	11Cl-PF3OUdS	763051-92-9	5.33	630.9 / 451.0	38315373		171.291	0.356	0.338	Pass	90.6
63	11Cl-PF3OUdS_2	763051-92-9	5.33	632.9 / 452.9	13629993		173.671	0.356	0.338	Pass	91.9
64	3:3FTCA	356-02-5	1.73	241.1 / 177.1	3347004		356.113	1.272	1.433	Pass	142.5
65	3:3FTCA_2	356-02-5	1.73	241.1 / 117.0	4257142		294.521	1.272	1.433	Pass	117.8
66	5:3FTCA	914637-49-3	3.25	341.1 / 237.1	73713430		1135.706	0.937	0.935	Pass	90.9
67	5:3FTCA_2	914637-49-3	3.25	341.1 / 217.0	69064359		1149.664	0.937	0.935	Pass	92.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.19	441.1 / 316.9	65688882		1242.925	1.218	1.712	Pass	99.4
69	7:3FTCA_2	812-70-4	4.19	441.1 / 337.1	79993700		1282.972	1.218	1.712	Pass	102.6
70	PFEESA	113507-82-7	2.54	315.1 / 135.0	46680617		86.202	0.091	0.084	Pass	96.6
71	PFEESA_2	113507-82-7	2.54	315.1 / 82.9	4228769		91.625	0.091	0.084	Pass	102.7
72	PFMPA	377-73-1	0.85	229.0 / 85.0	23491584		117.768	N/A	N/A	N/A	117.8
73	PFMBA	863090-89-5	1.65	279.0 / 85.0	26869875		111.869	N/A	N/A	N/A	111.9
74	NFDHA	151772-58-6	2.09	295.0 / 201.0	8965475		95.835	0.789	0.781	Pass	95.8
75	NFDHA_2	151772-58-6	2.09	295.0 / 84.9	7074586		98.450	0.789	0.781	Pass	98.5
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.150	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.150	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.93	333.2 / 312.1	176322		4.884	N/A	N/A	N/A	97.7
79	13C2-PFOA	Surr	3.29	415.0 / 370.0	418488		2.576	N/A	N/A	N/A	103.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.66	217.0 / 172.0	1765339		9.627	NA	NA	NA	96.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.35	268.0 / 223.0	958786		4.714	NA	NA	NA	94.3
	13C5-PFHxA	EIS	2.17	318.0 / 273.0	448216		2.564	NA	NA	NA	102.6
	13C4-PFHpA	EIS	2.83	367.0 / 322.0	336398		2.803	NA	NA	NA	112.1
	13C8-PFOA	EIS	3.29	420.8 / 376.0	1018960		2.197	NA	NA	NA	87.9
	13C9-PFNA	EIS	3.71	472.0 / 427.0	385876		1.141	NA	NA	NA	91.3
	13C6-PFDA	EIS	4.11	519.0 / 474.0	373609		1.206	NA	NA	NA	96.5
	13C7-PFUnA	EIS	4.51	570.0 / 525.0	317436		1.187	NA	NA	NA	95.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.90	615.1 / 570.0	291023		1.307	NA	NA	NA	104.5
	13C2-PFTeDA	EIS	5.65	715.1 / 670.1	263766		1.323	NA	NA	NA	105.8
	13C3-PFBS	EIS	2.16	302.1 / 80.1	393645		2.065	NA	NA	NA	88.6
	13C3-PFHxS	EIS	3.40	402.1 / 80.1	360862		2.184	NA	NA	NA	92.2
	13C8-PFOS	EIS	4.26	507.1 / 80.1	380611		2.297	NA	NA	NA	95.7
	13C2-4:2FTS	EIS	1.94	329.1 / 81.1	146080		4.618	NA	NA	NA	98.5
	13C2-6:2FTS	EIS	3.12	429.2 / 81.1	139177		4.761	NA	NA	NA	100.0
	13C2-8:2FTS	EIS	3.93	529.2 / 81.1	138270		5.264	NA	NA	NA	109.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.28	506.1 / 78.1	626607		2.373	NA	NA	NA	94.9
	d3-NMeFOSA	EIS	5.98	515.2 / 219.0	100633		2.591	NA	NA	NA	103.6
	d5-NEtFOSA	EIS	6.26	531.2 / 219.0	92800		2.563	NA	NA	NA	102.5
	d3-NMeFOSAA	EIS	4.20	573.2 / 419.1	244516		5.981	NA	NA	NA	119.6
	d5-NEtFOSAA	EIS	4.40	589.3 / 419.1	193515		4.921	NA	NA	NA	98.4
	d7-NMeFOSE	EIS	5.84	623.2 / 58.9	1155174		25.158	NA	NA	NA	100.6
	d9-NEtFOSE	EIS	6.12	639.2 / 58.9	1618662		24.327	NA	NA	NA	97.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.43	287.0 / 169.0	1405742		11.037	NA	NA	NA	110.4
	13C3-PFBA	NIS	0.66	216.0 / 172.0	815685		4.123	NA	NA	NA	82.5
	13C2-PFHxA	NIS	2.17	315.0 / 270.0	611171		2.325	NA	NA	NA	93.0
	13C4-PFOA	NIS	3.29	417.0 / 372.0	456745		2.636	NA	NA	NA	105.4
	13C5-PFNA	NIS	3.71	468.0 / 423.0	381417		1.226	NA	NA	NA	98.1
	13C2-PFDA	NIS	4.11	515.1 / 470.1	360185		1.137	NA	NA	NA	91.0
	18O2-PFHxS	NIS	3.40	403.1 / 84.1	334704		2.368	NA	NA	NA	99.9
	13C4-PFOS	NIS	4.26	503.1 / 80.1	287729		2.324	NA	NA	NA	96.8

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

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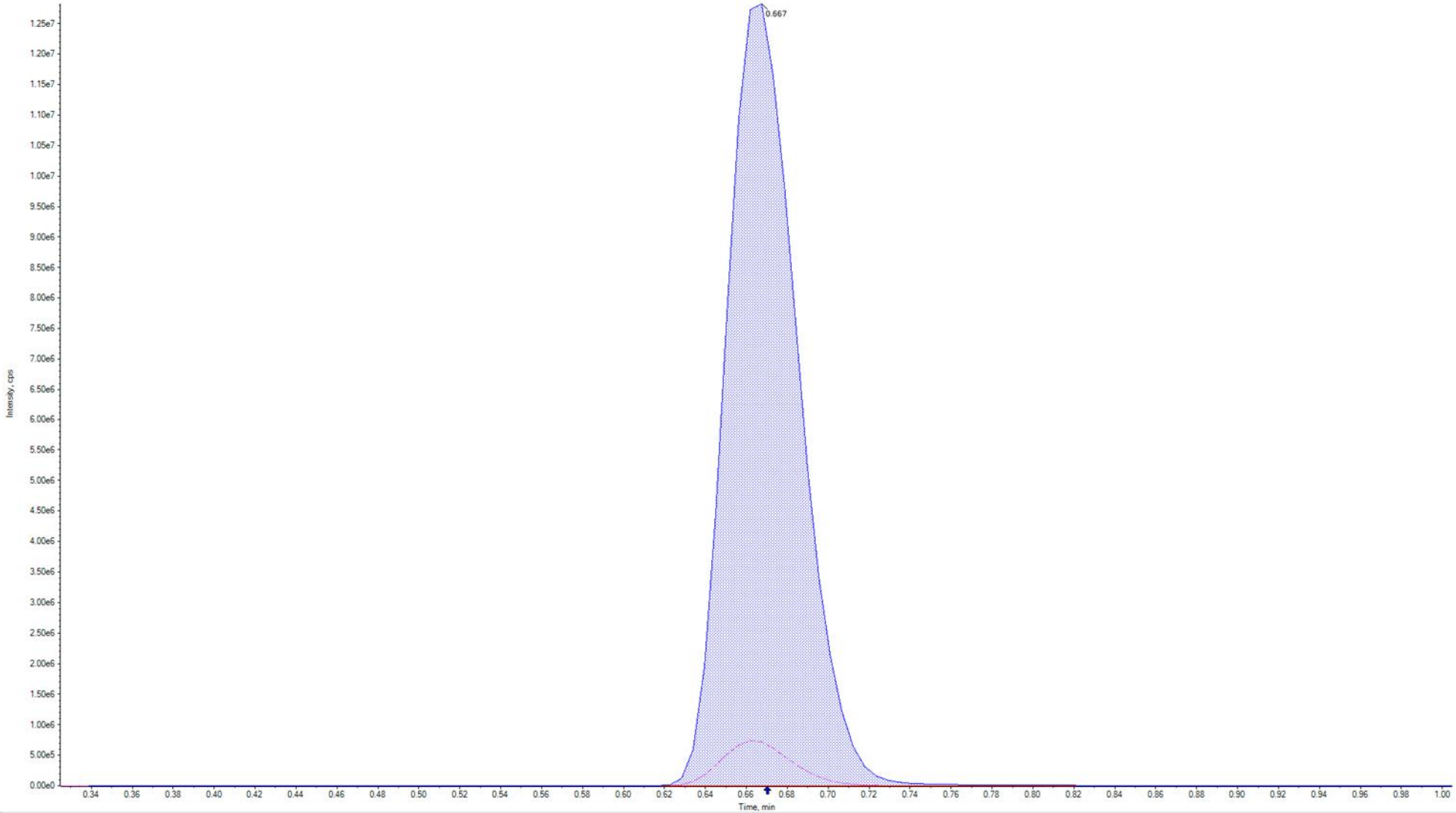
PFBA
Sample: IA1633STD-50 S/N:6555.8 Points Across peak:61



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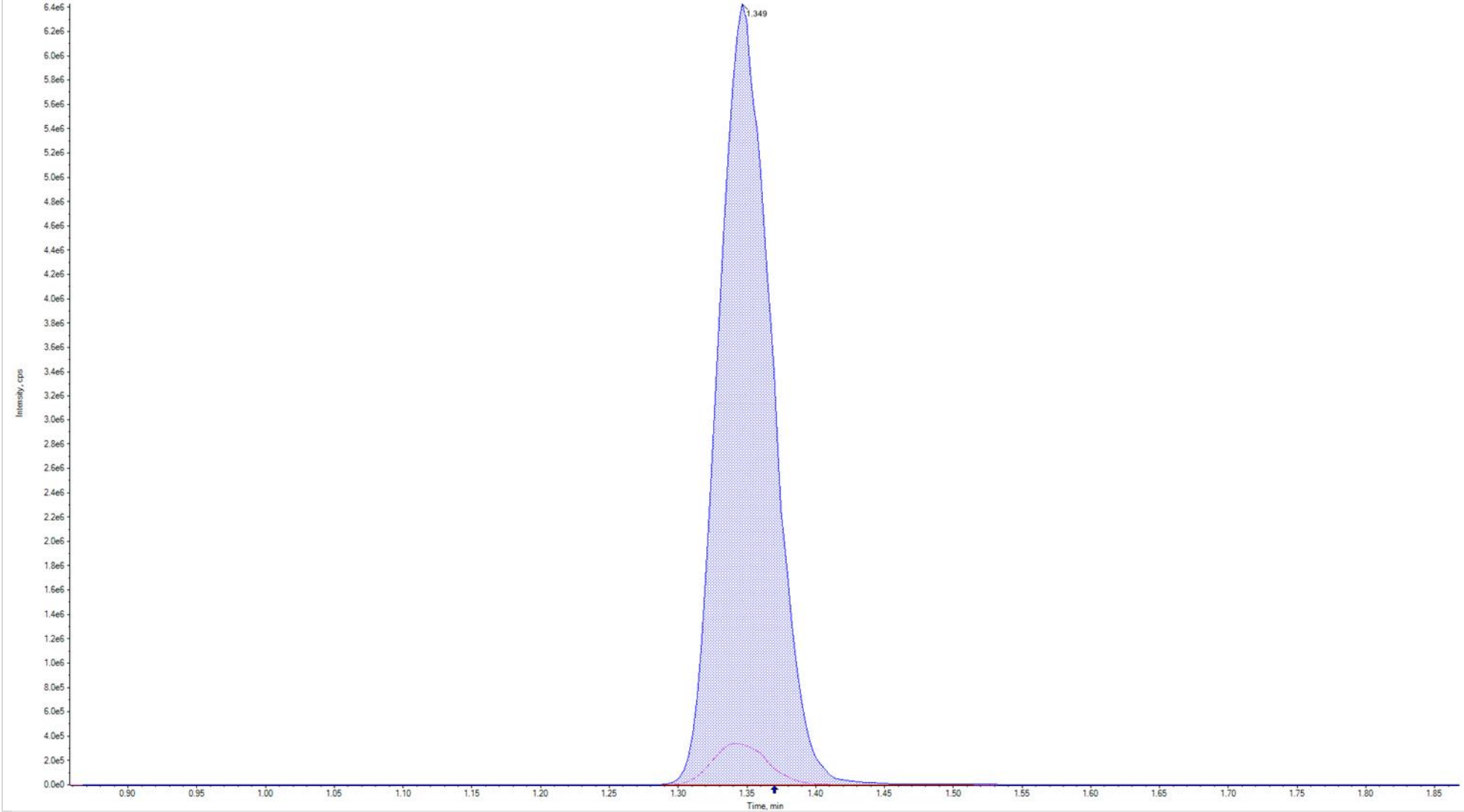
PFPeA
Sample: IA1633STD-50 S/N:22140.1 Points Across peak:86



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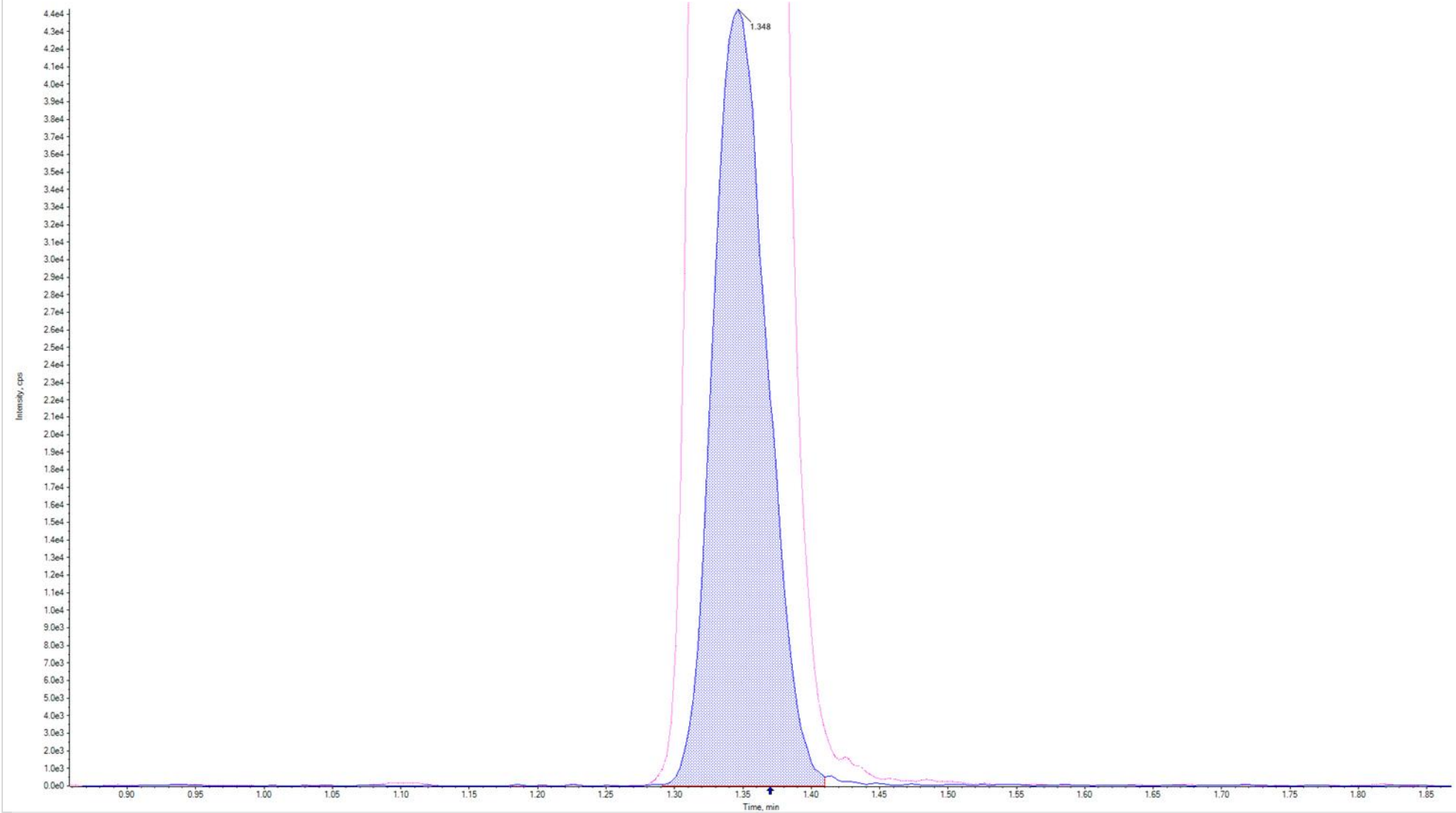
PFPeA_2
Sample: IA1633STD-50 S/N:2663.4 Points Across peak:43



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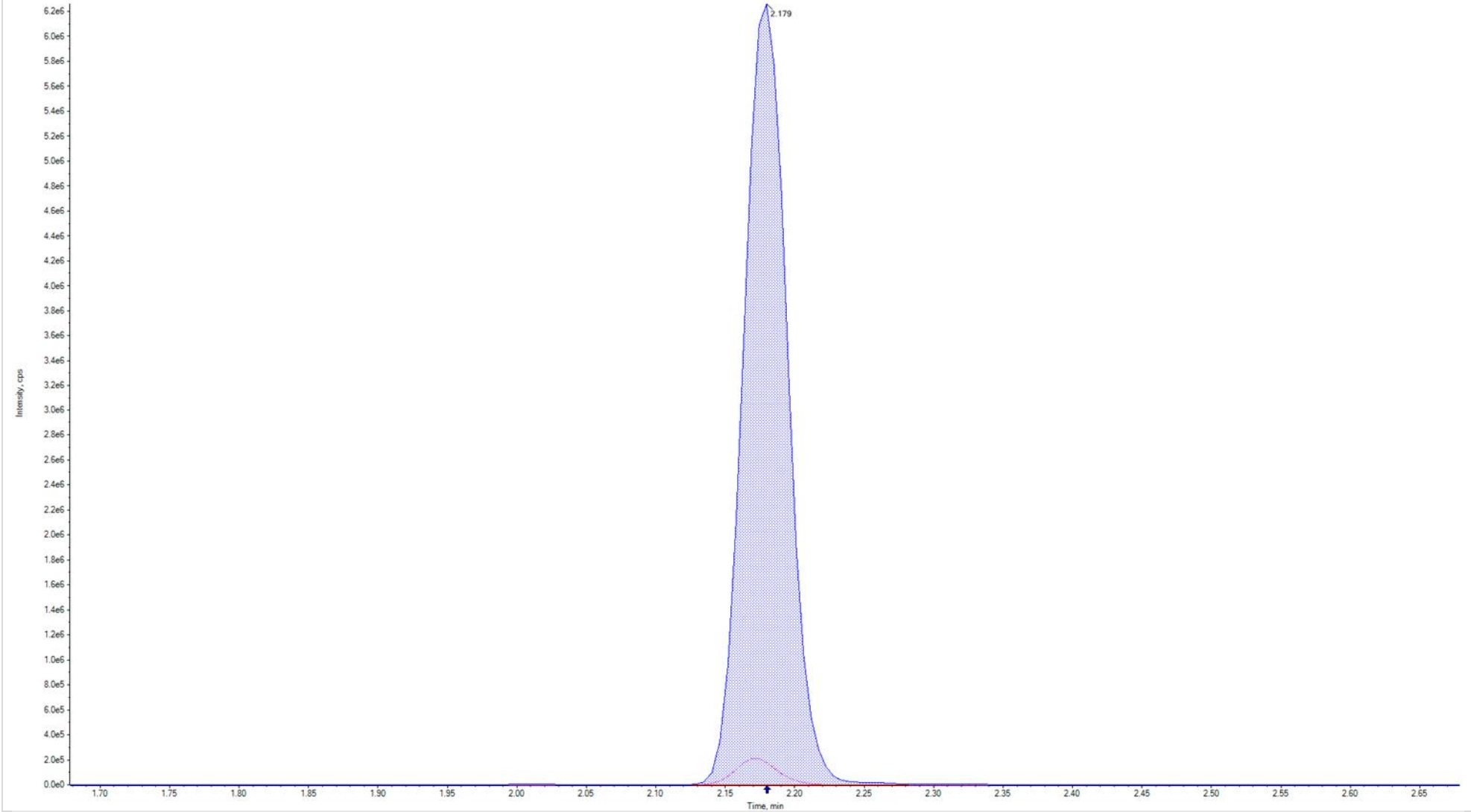
PFHxA
Sample: IA1633STD-50 S/N:15604.1 Points Across peak:34



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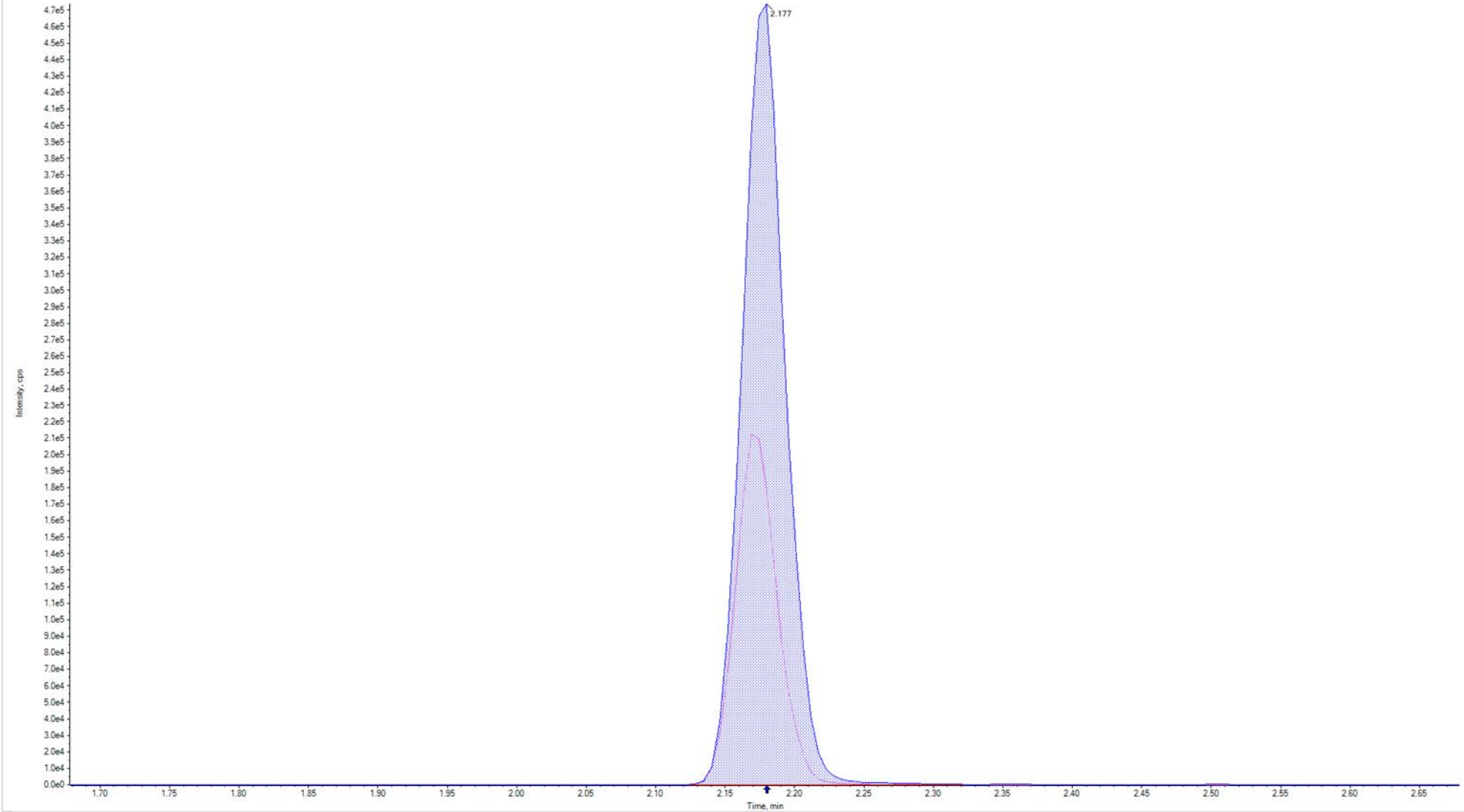
PFHxA_2
Sample: IA1633STD-50 S/N:11875.7 Points Across peak:43



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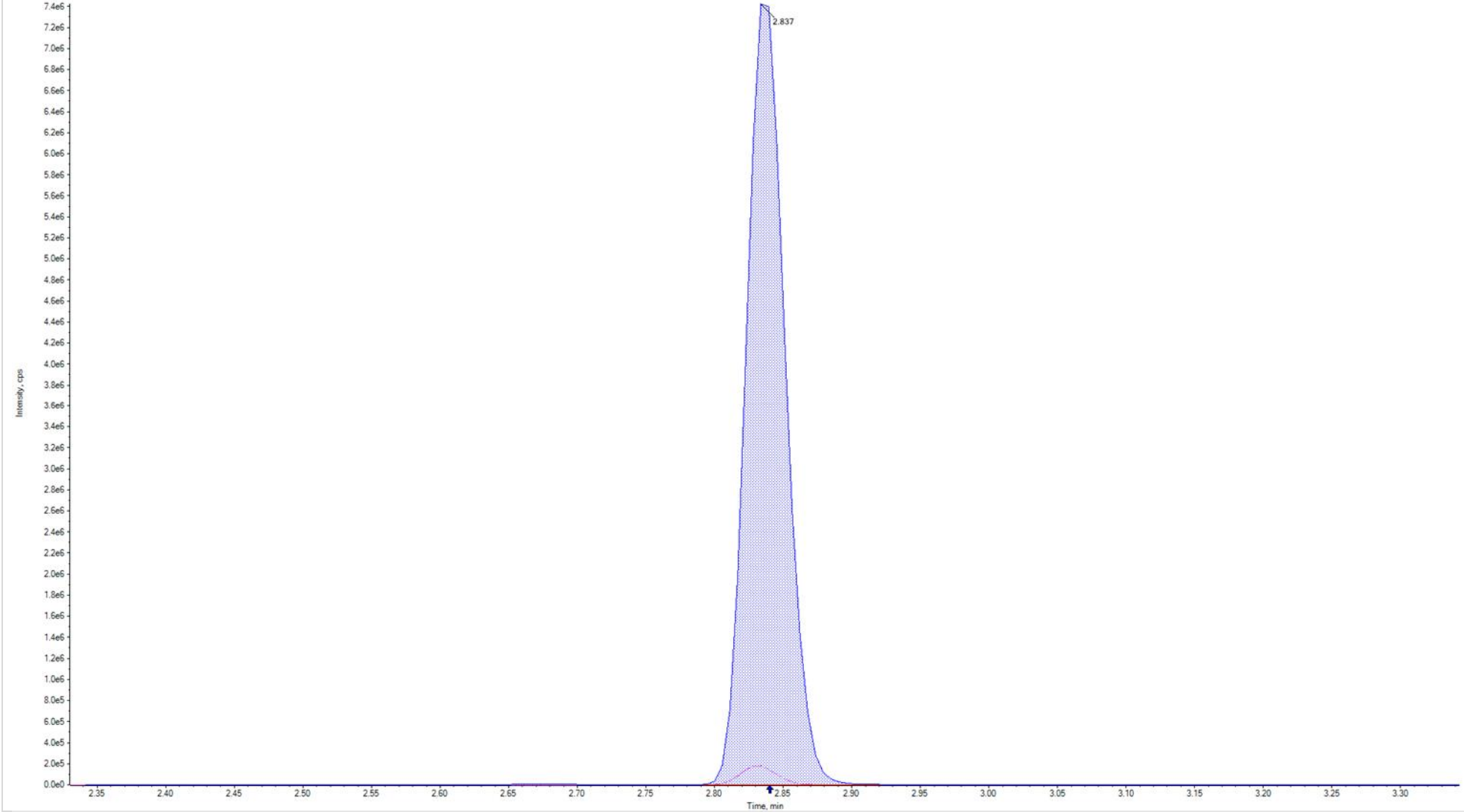
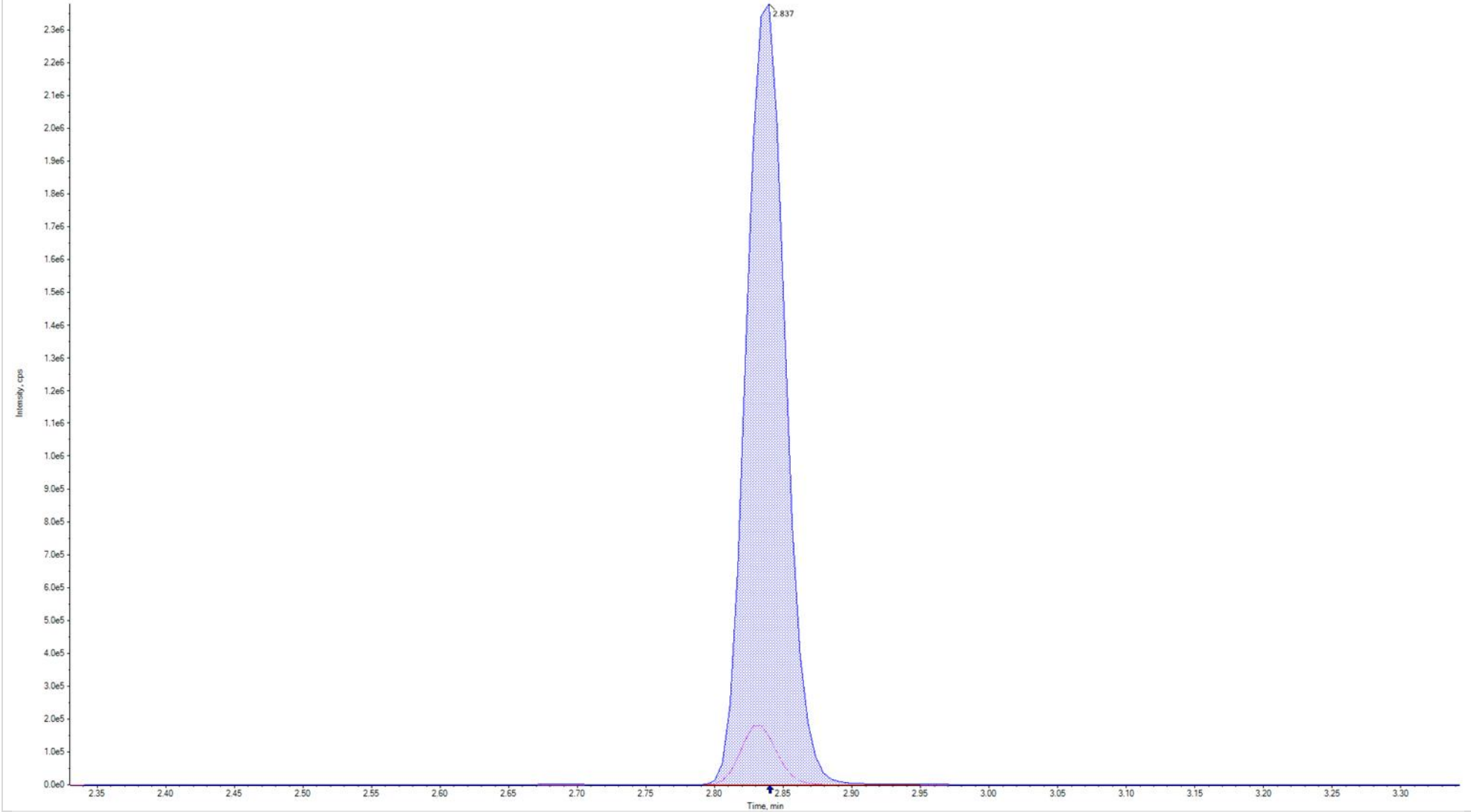
PFHpA
Sample: IA1633STD-50 S/N:11369.9 Points Across peak:41



PFHpA_2
Sample: IA1633STD-50 S/N:10780.5 Points Across peak:30



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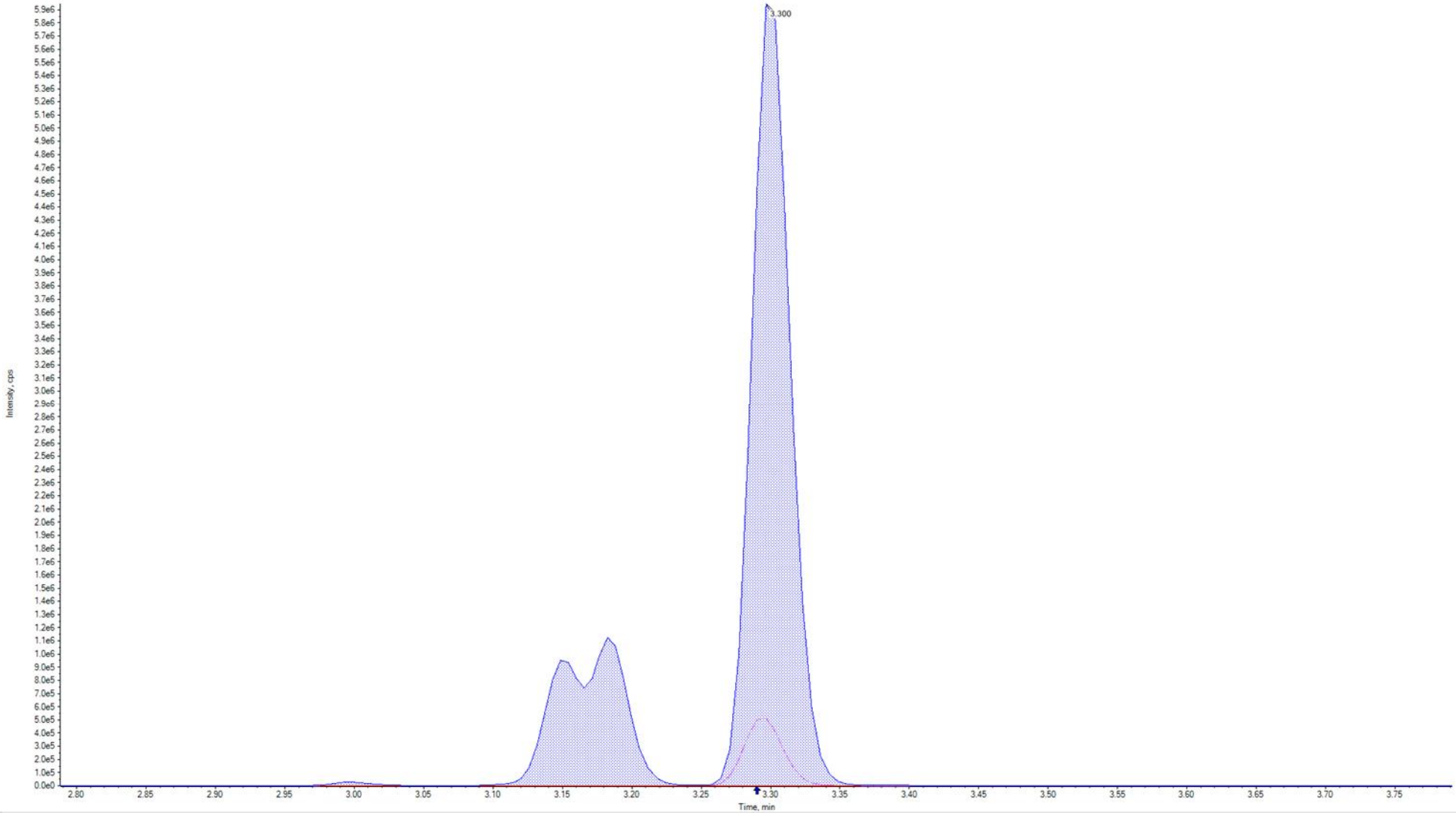
PFOA
Sample: IA1633STD-50 S/N:1059.4 Points Across peak:66



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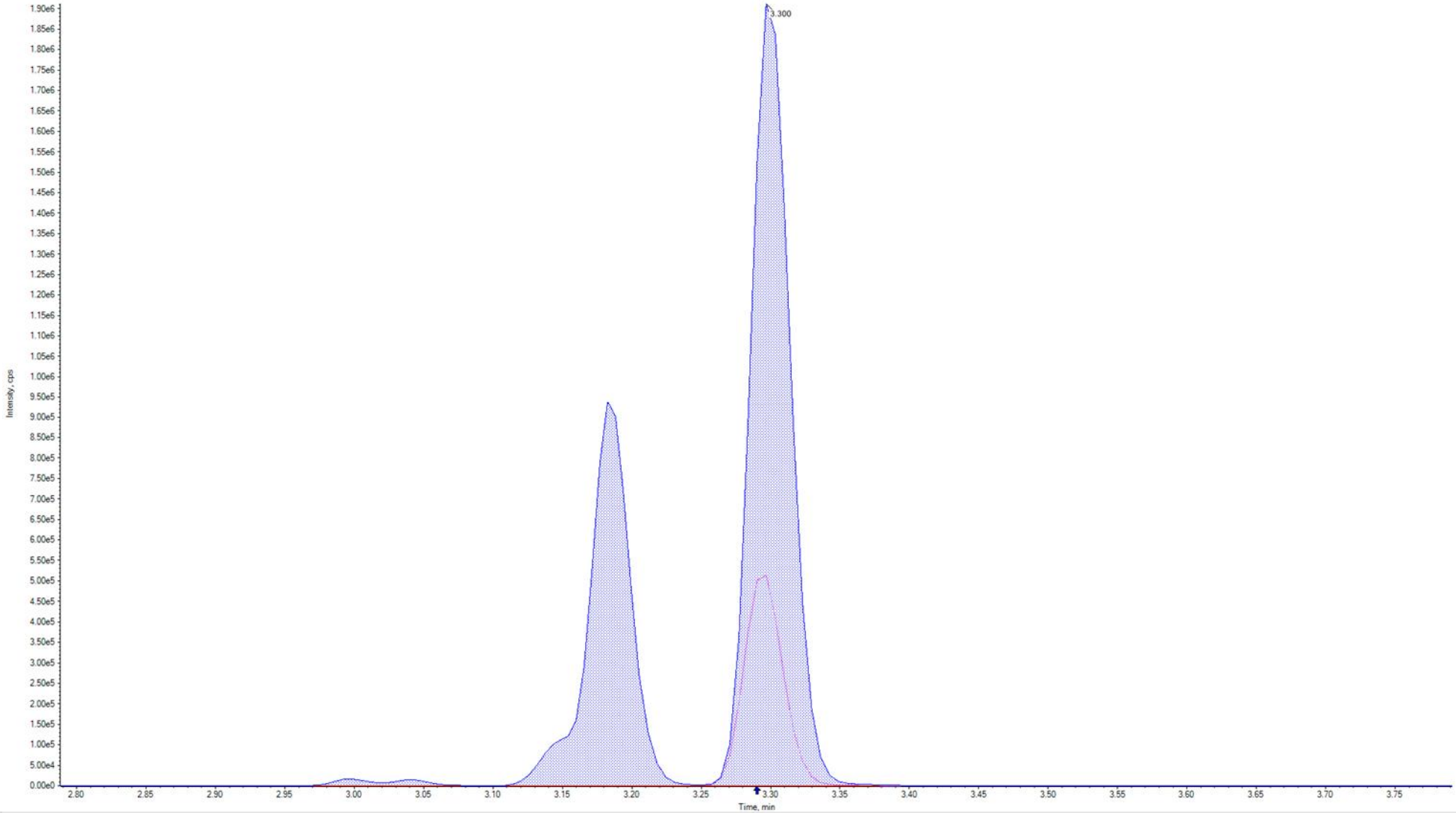
PFOA_2
Sample: IA1633STD-50 S/N:540.8 Points Across peak:69



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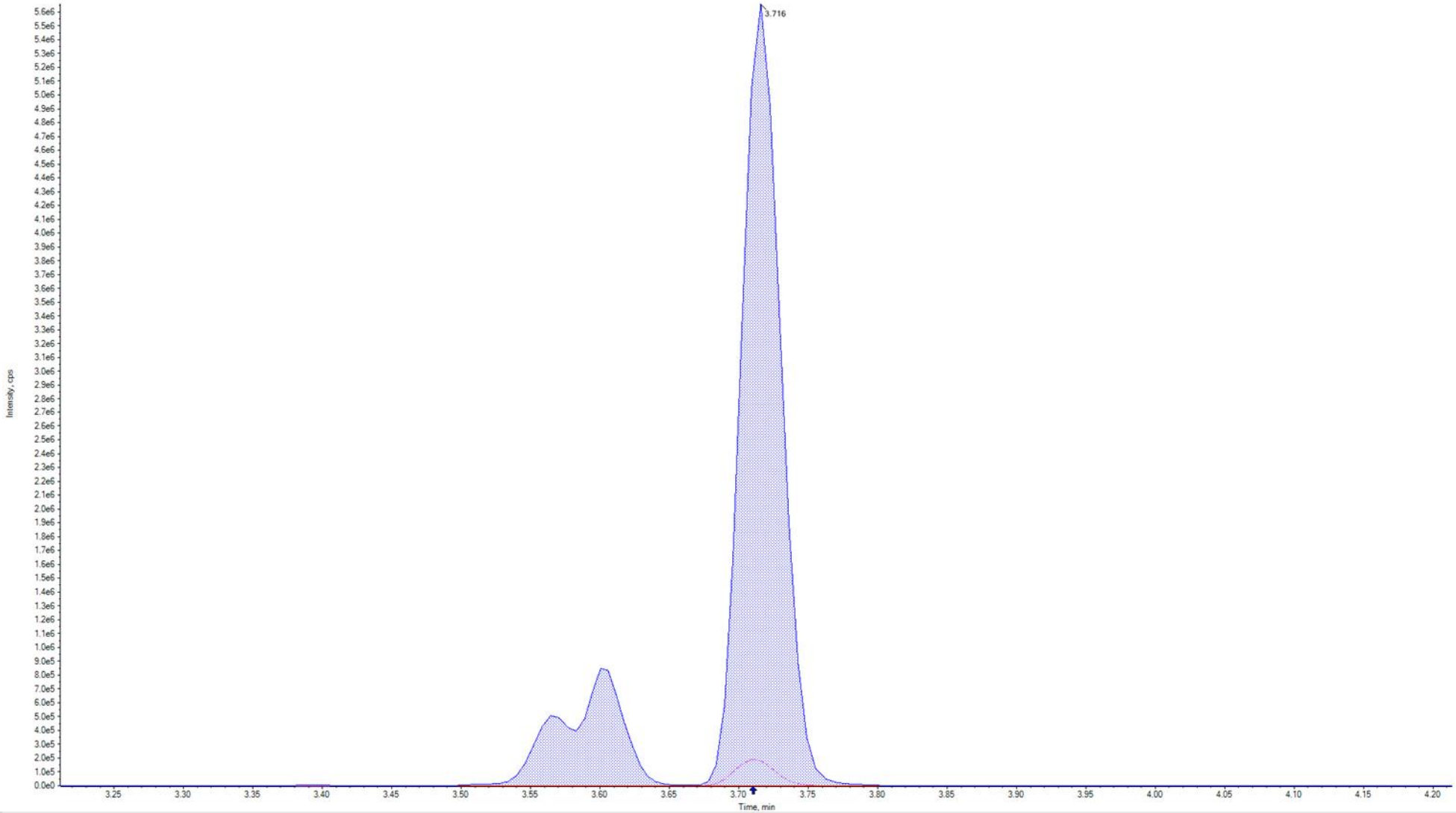
PFNA
Sample: IA1633STD-50 S/N:1082.6 Points Across peak:67



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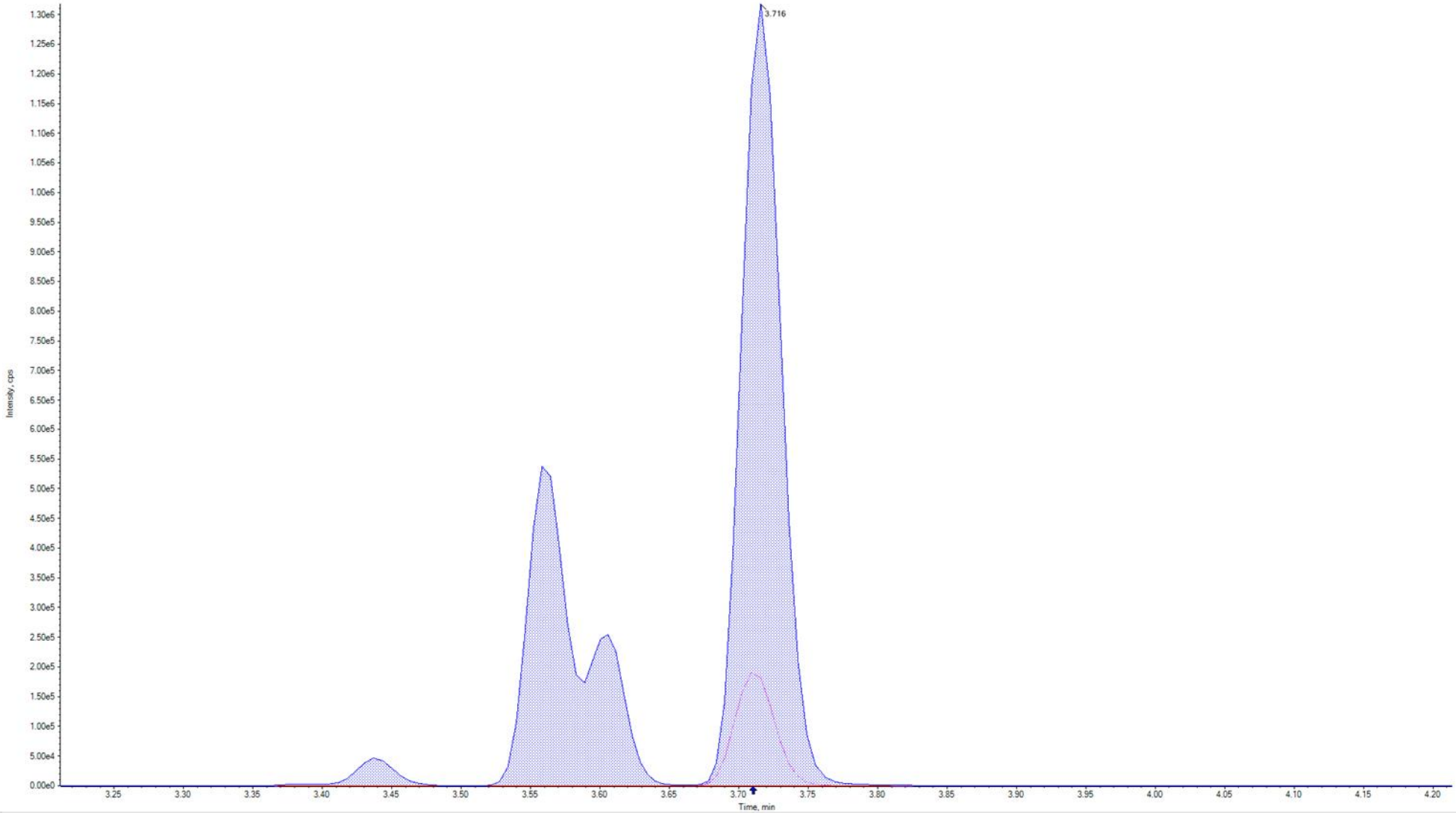
PFNA_2
Sample: IA1633STD-50 S/N:430.3 Points Across peak:73



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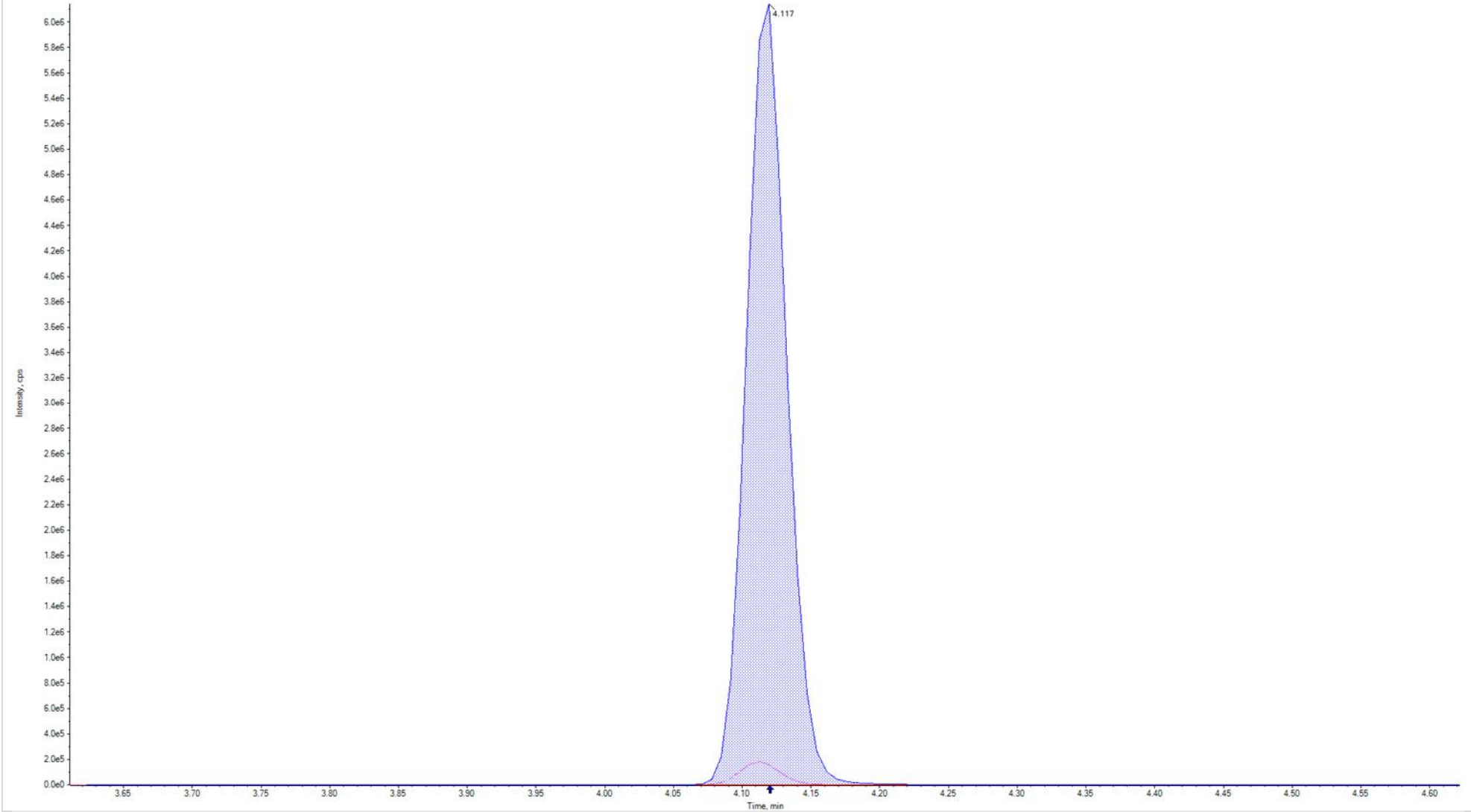
PFDA
Sample: IA1633STD-50 S/N:47374.5 Points Across peak:31



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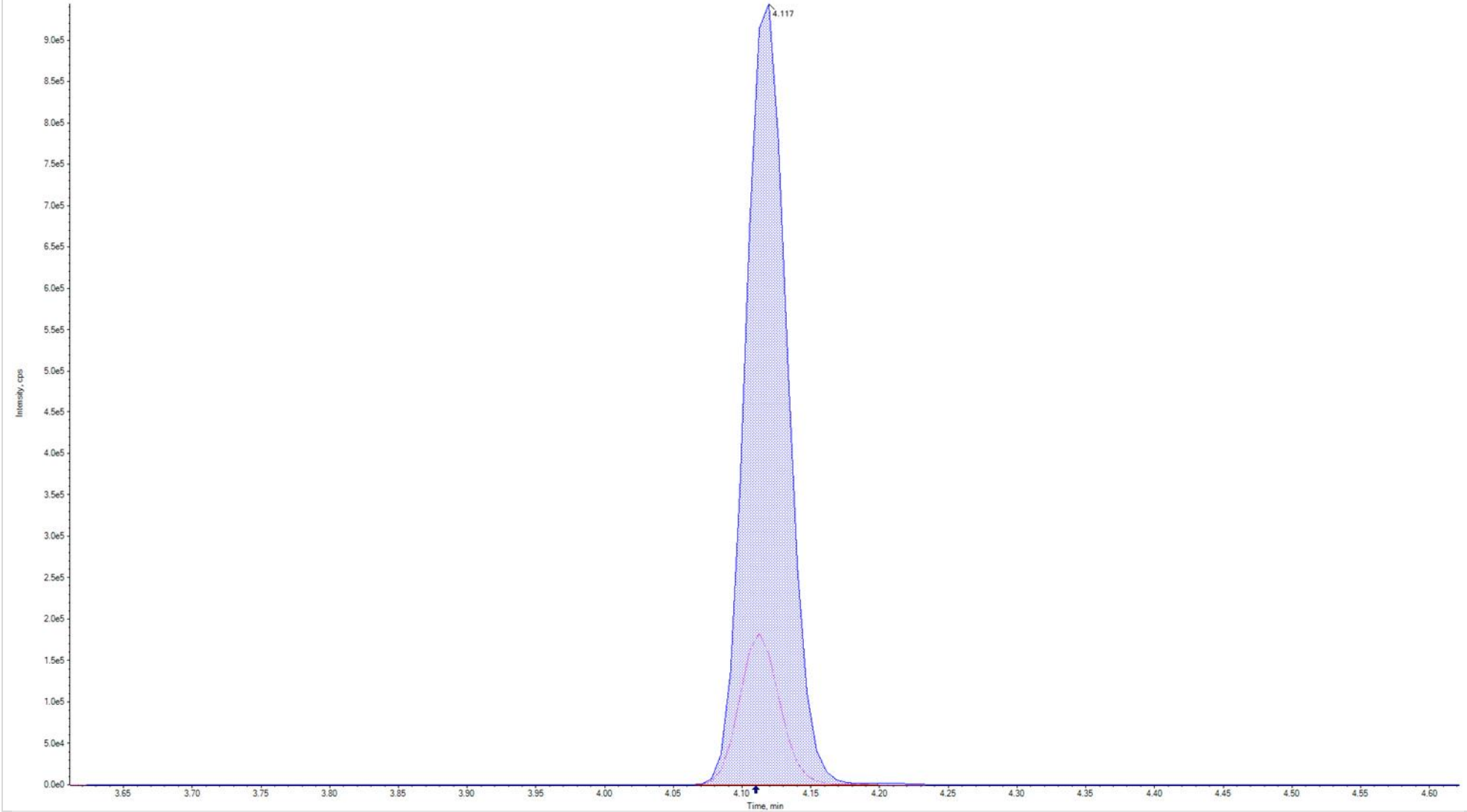
PFDA_2
Sample: IA1633STD-50 S/N:6899.2 Points Across peak:22



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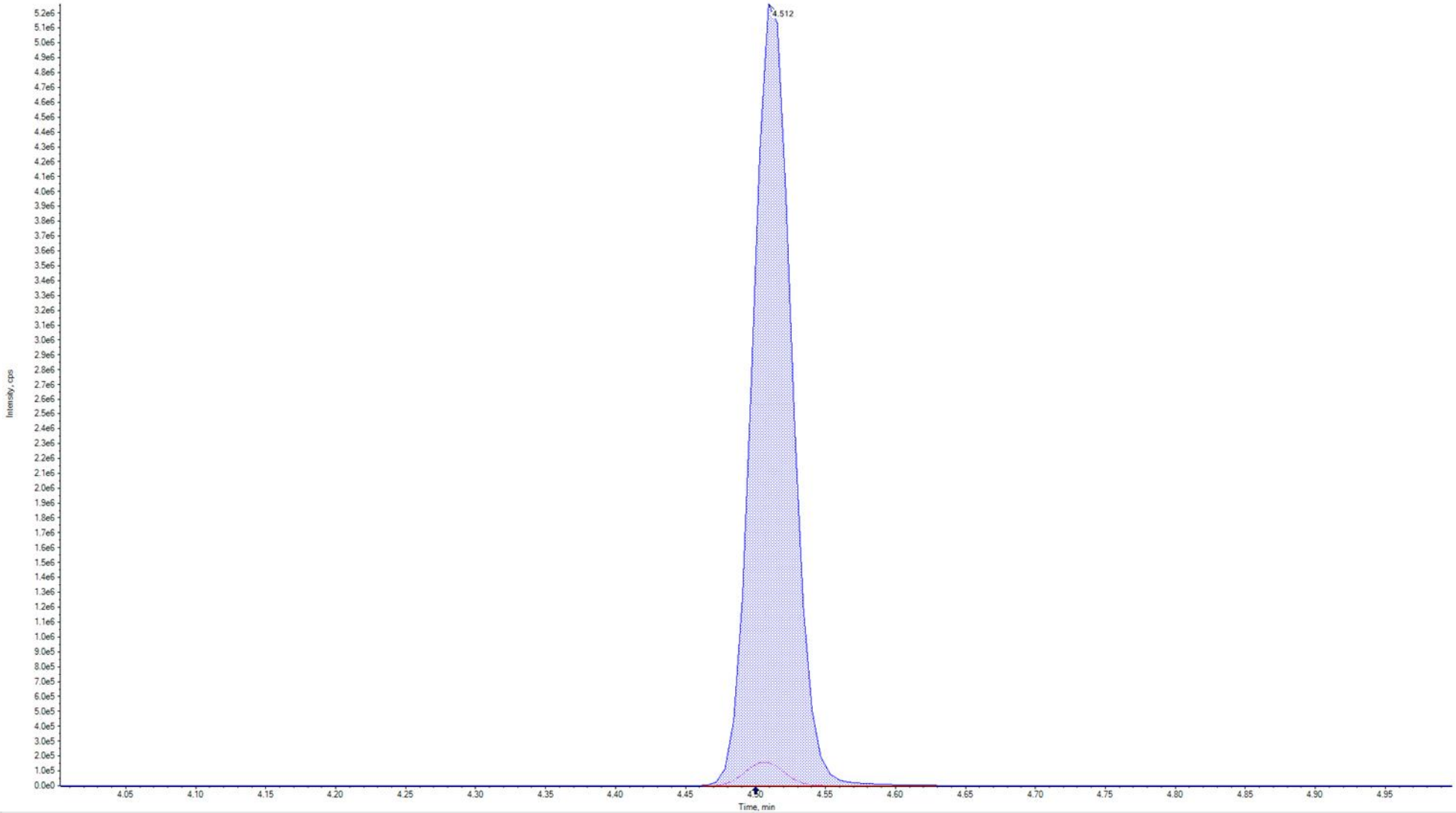
PFUnA
Sample: IA1633STD-50 S/N:16780.3 Points Across peak:32



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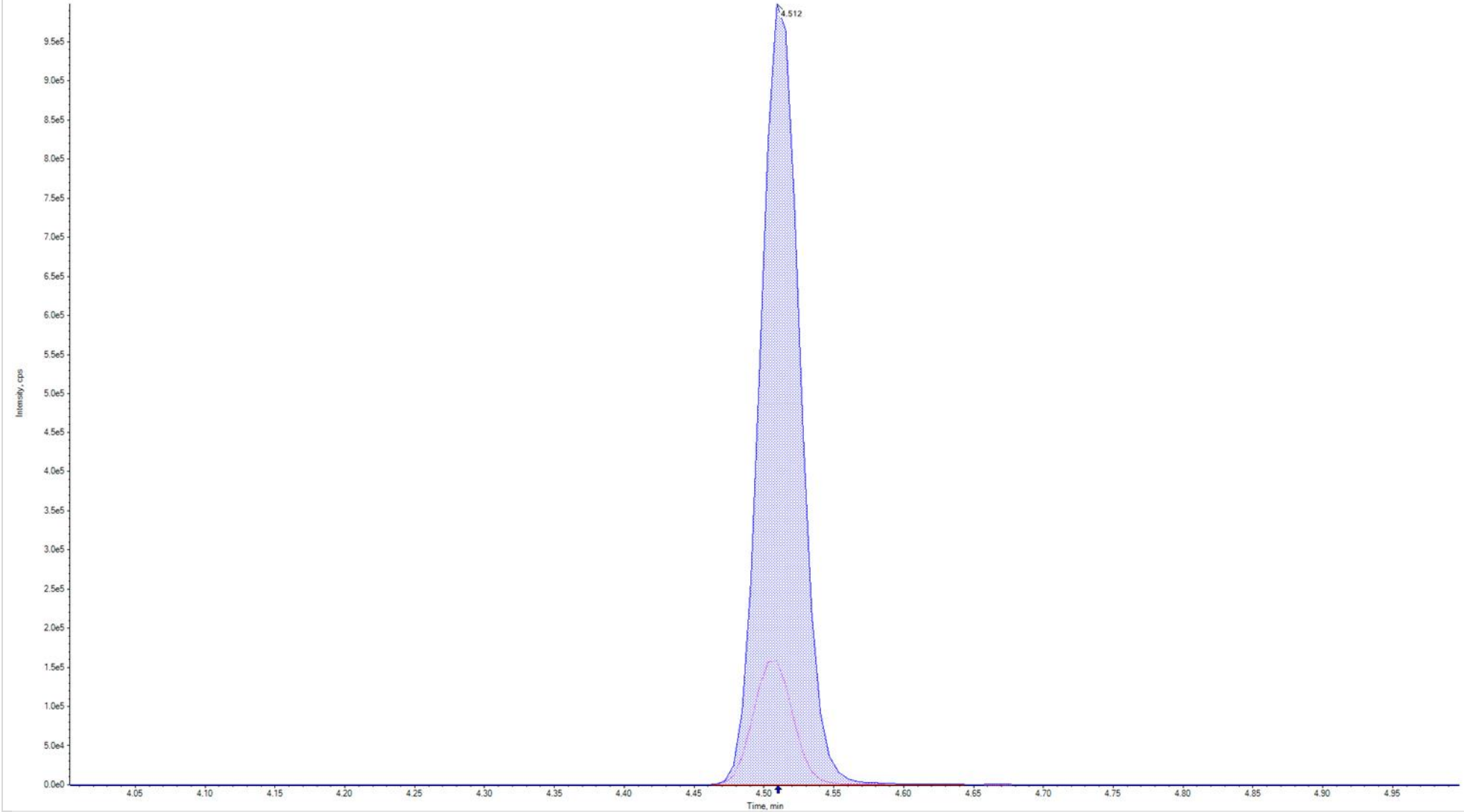
PFUnA_2
Sample: IA1633STD-50 S/N:8897.7 Points Across peak:34



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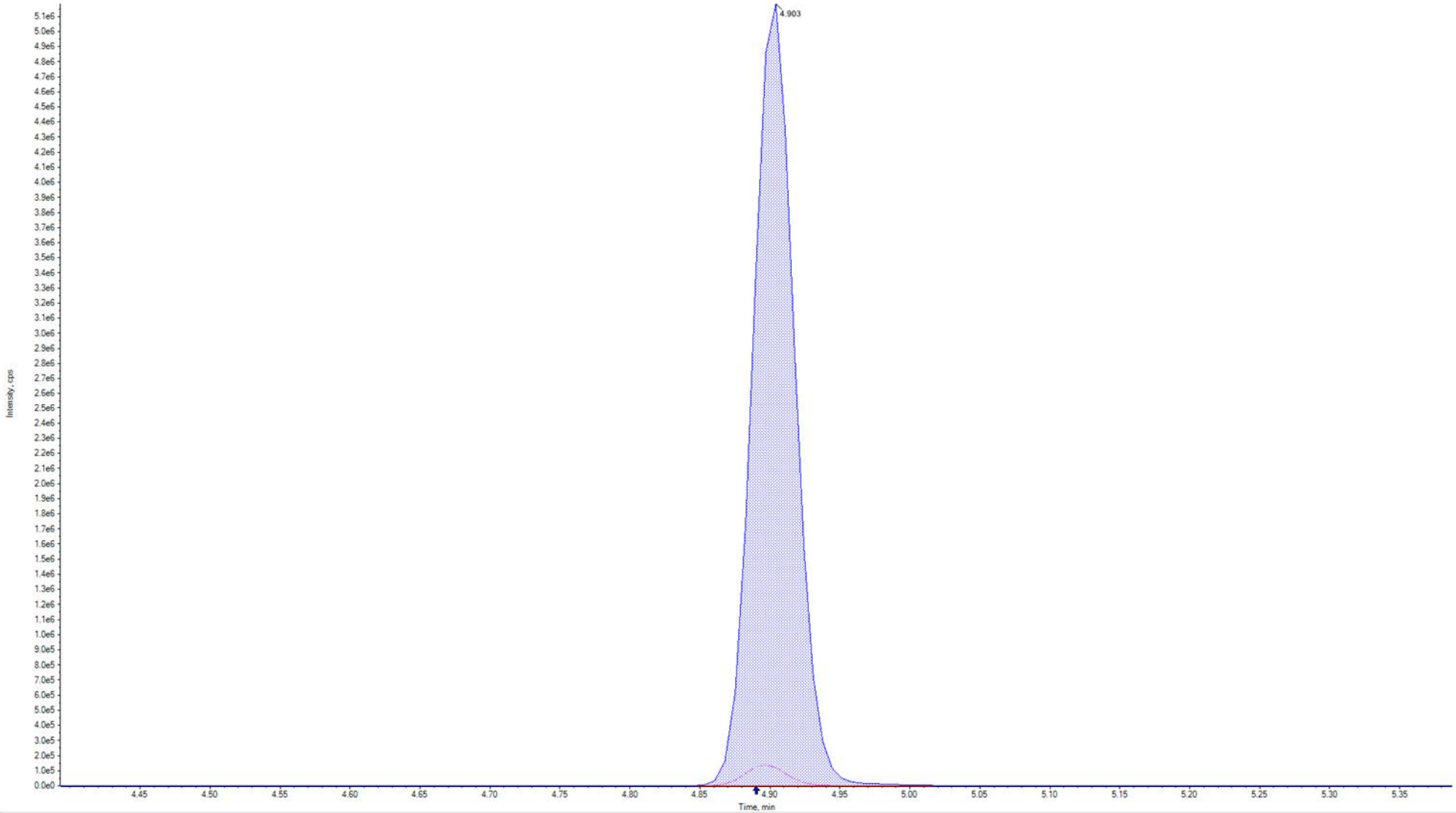
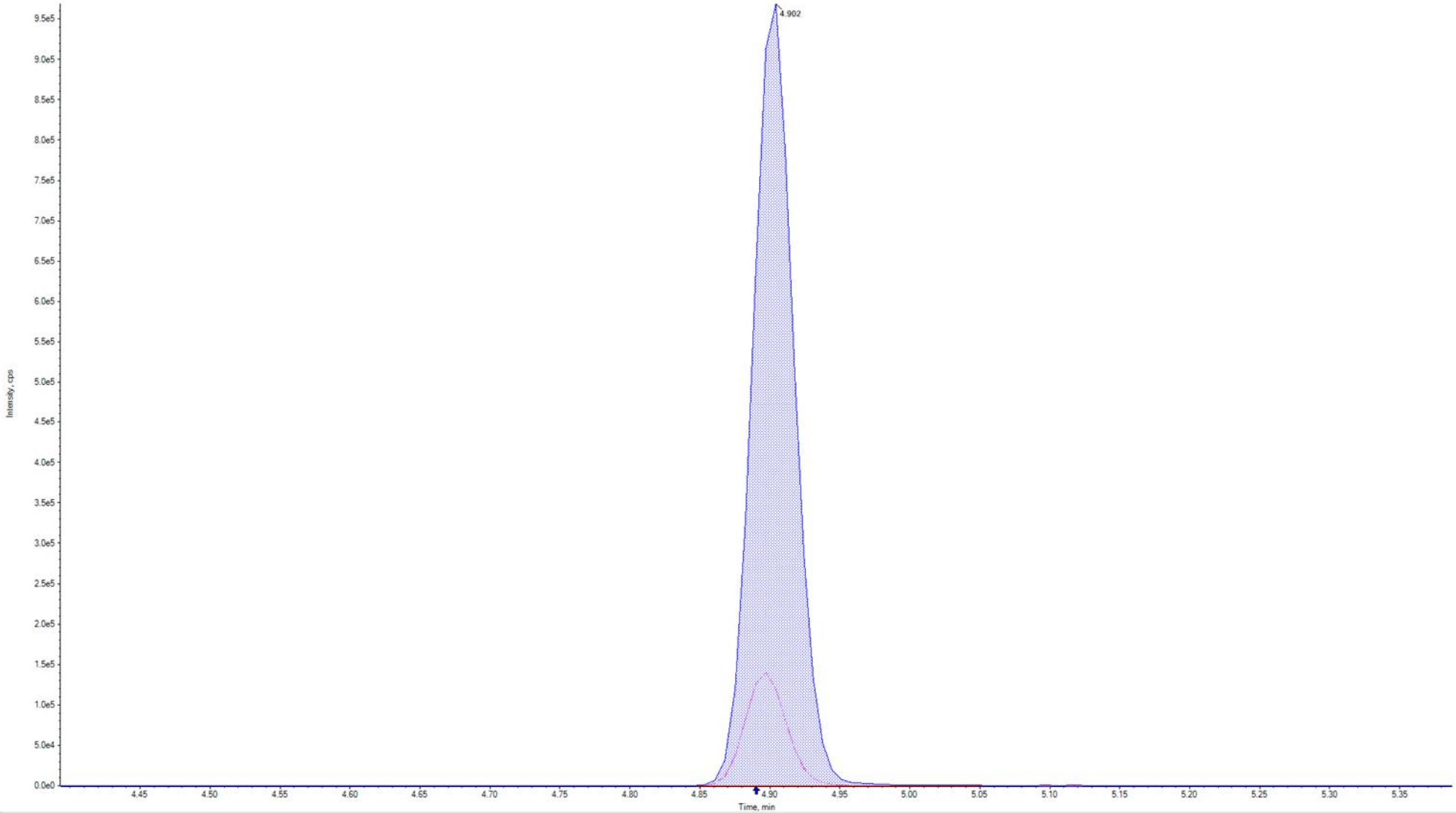
PFDoA
Sample: IA1633STD-50 S/N:14983.7 Points Across peak:33



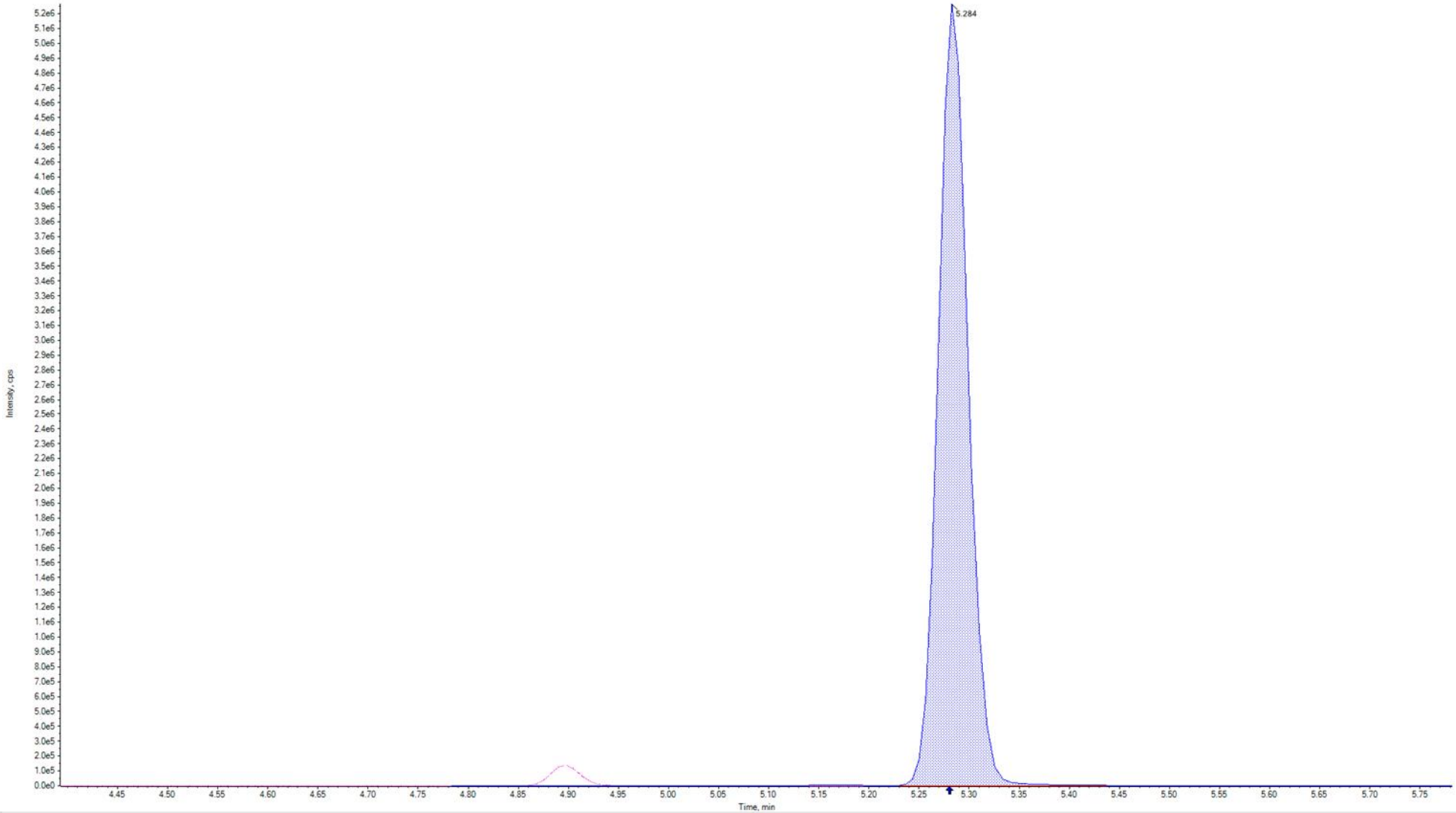
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDoA_2
Sample: IA1633STD-50 S/N:3163.4 Points Across peak:38



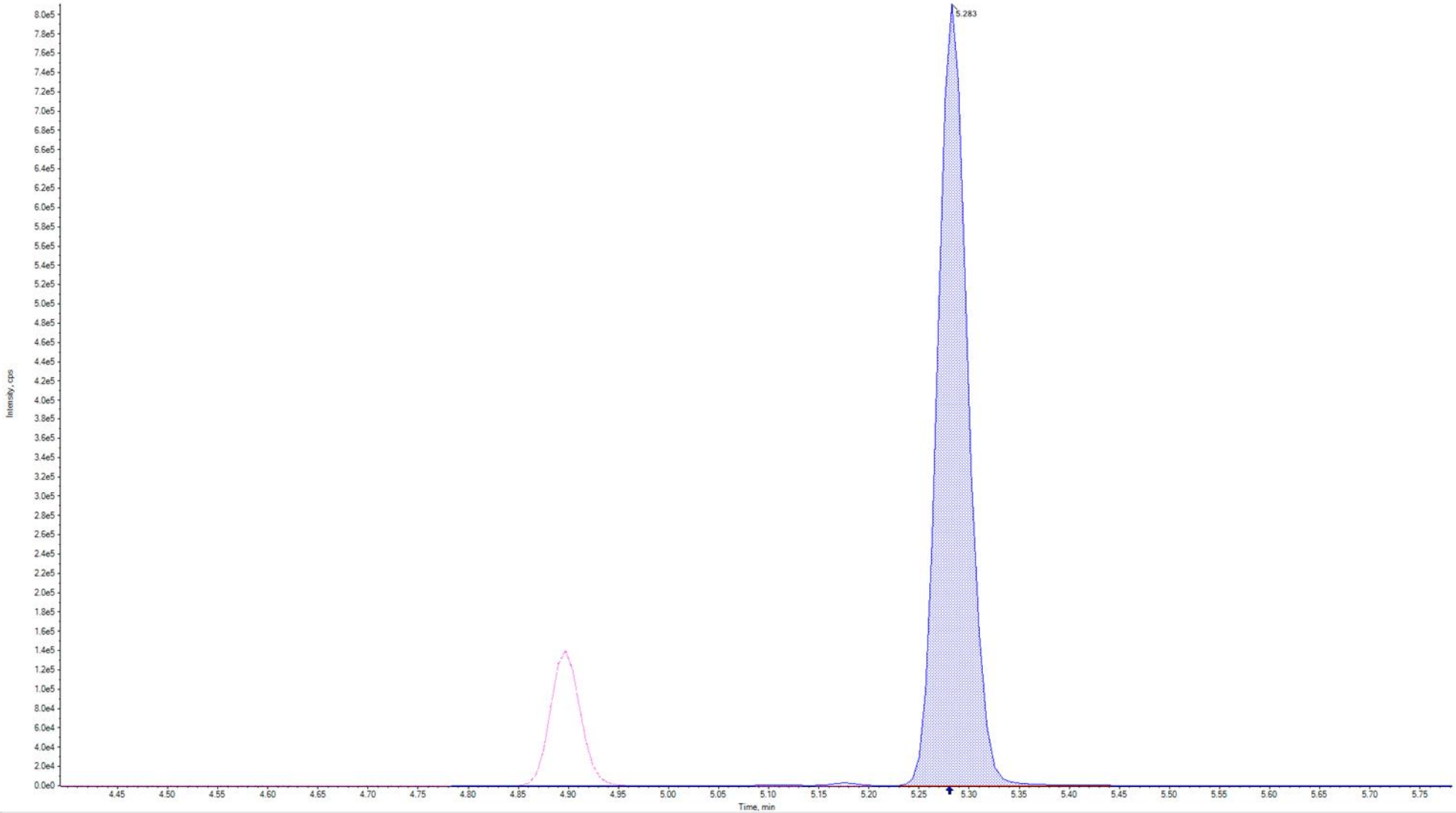
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFTrDA
Sample: IA1633STD-50 S/N:10311.2 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFTrDA_2
Sample: IA1633STD-50 S/N:2539.5 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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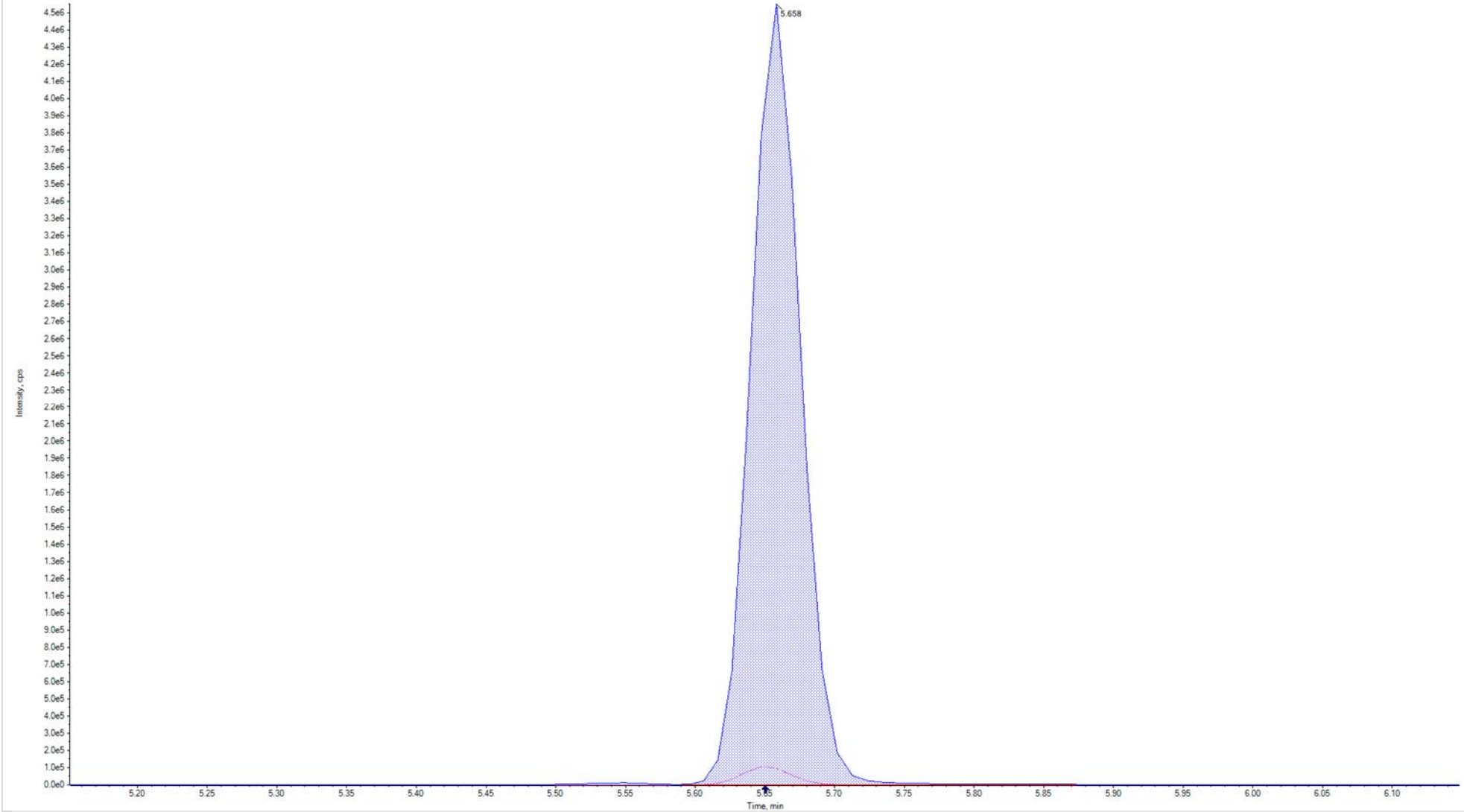
PFTeDA
Sample: IA1633STD-50 S/N:6527.5 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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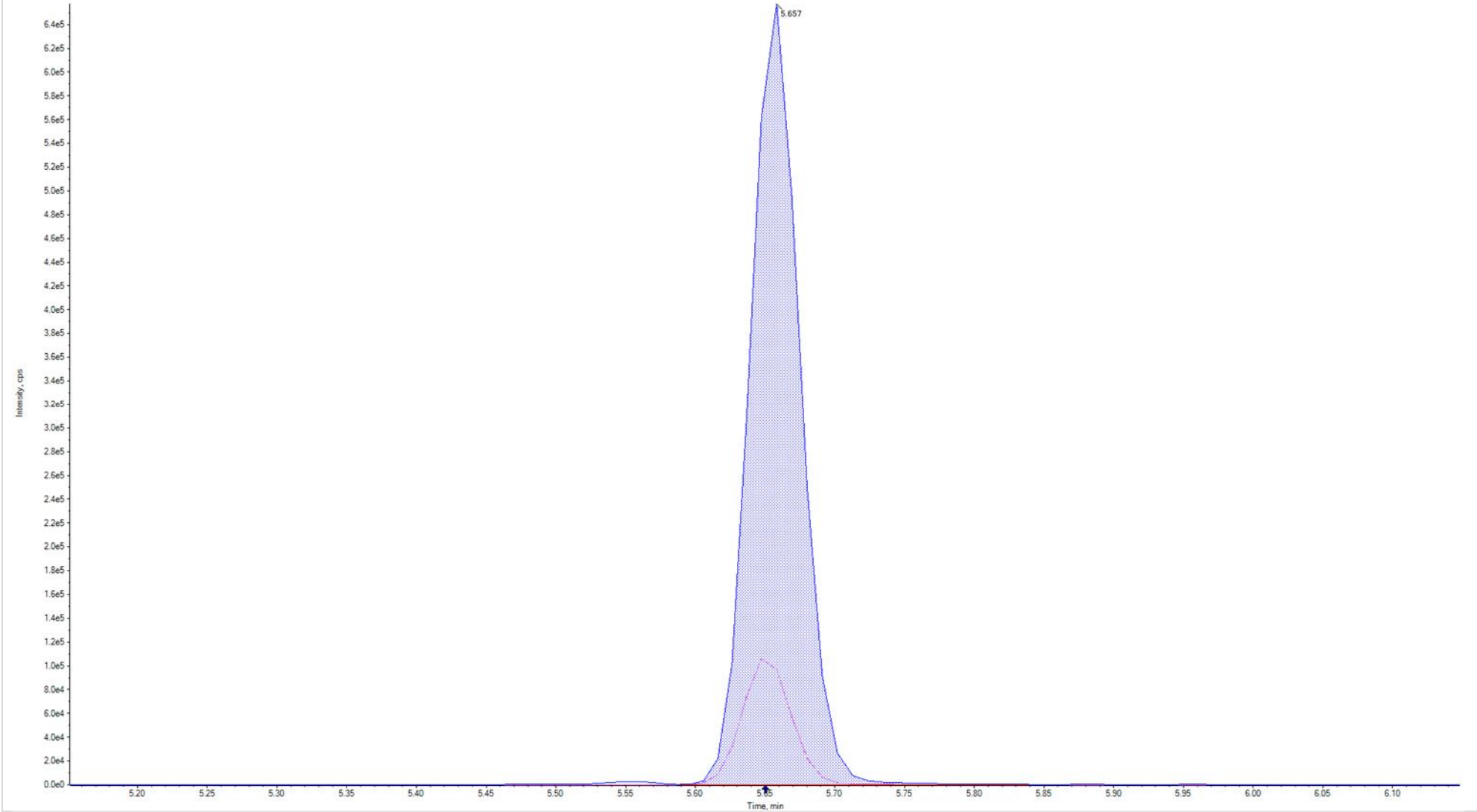
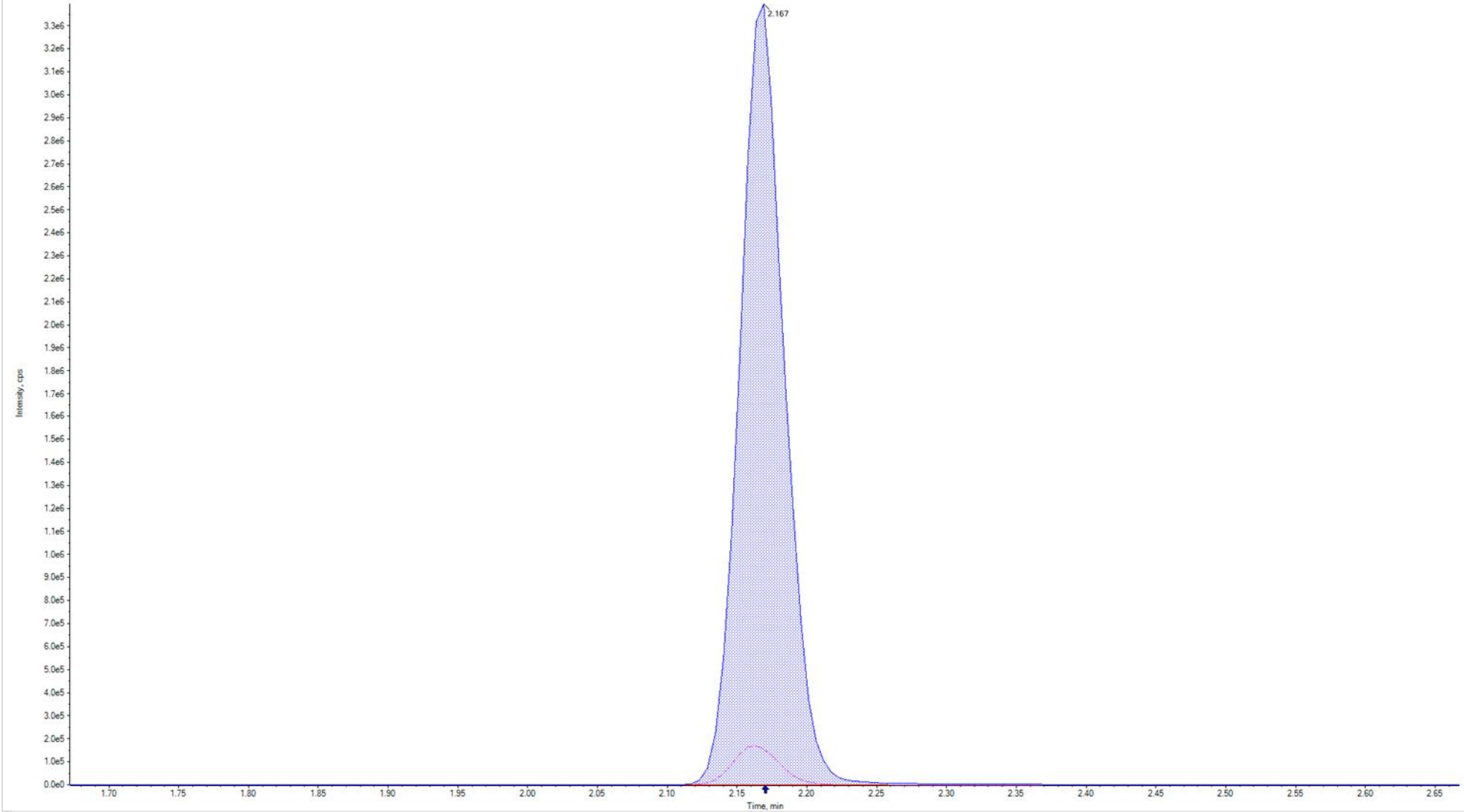
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFTeDA_2
Sample: IA1633STD-50 S/N:41192.7 Points Across peak:26



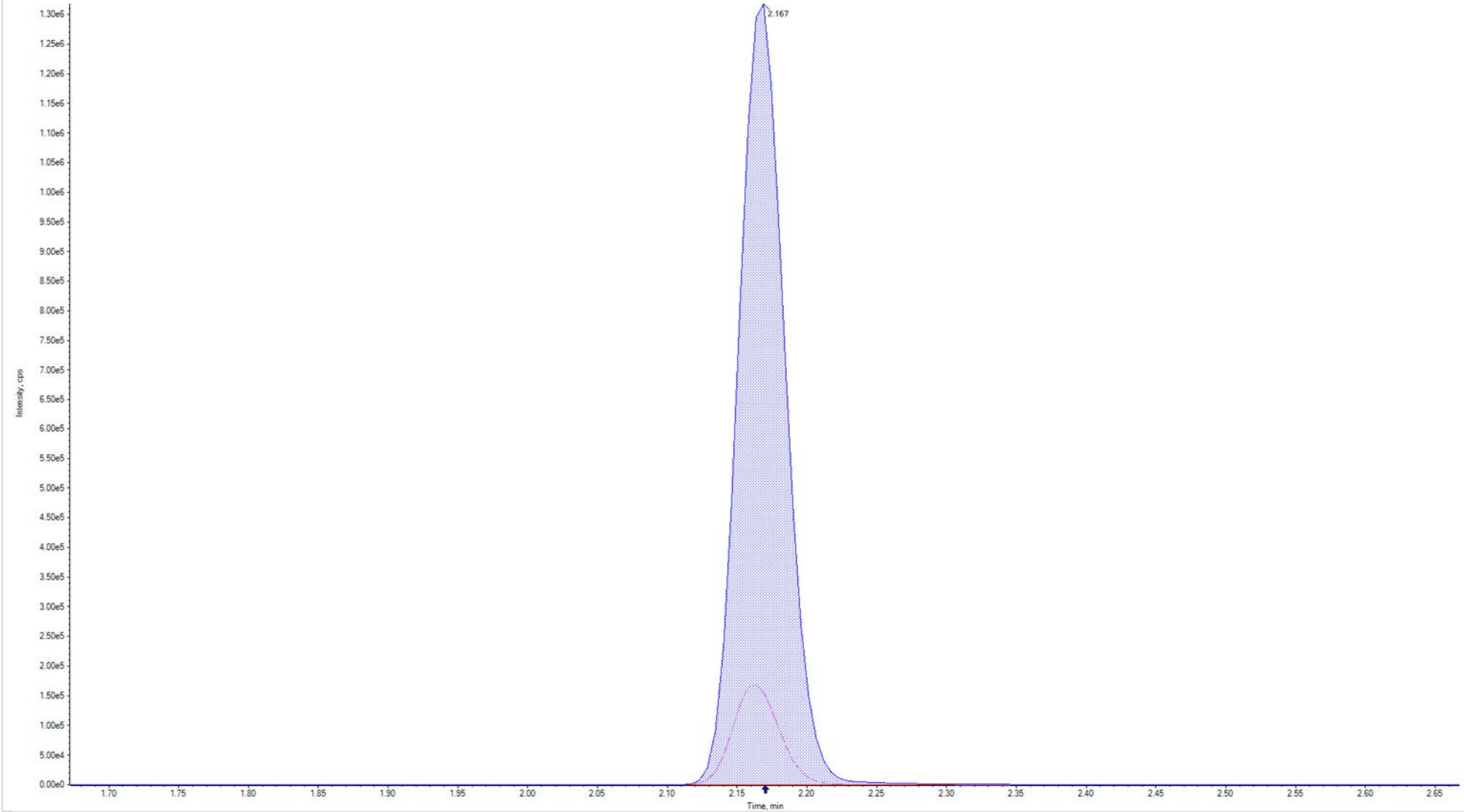
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFBS
Sample: IA1633STD-50 S/N:16324.3 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFBS_2
Sample: IA1633STD-50 S/N:33033.2 Points Across peak:41



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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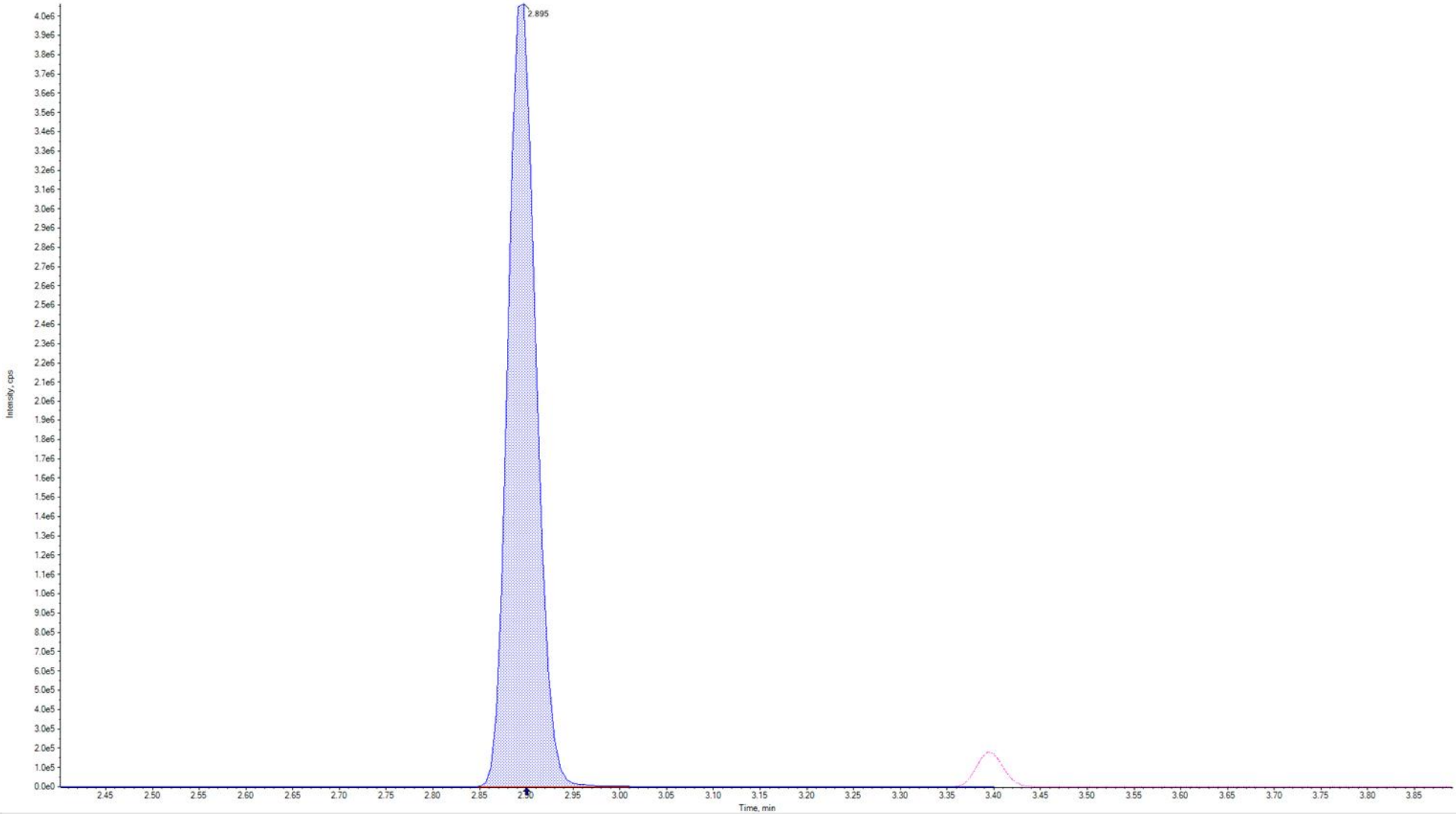
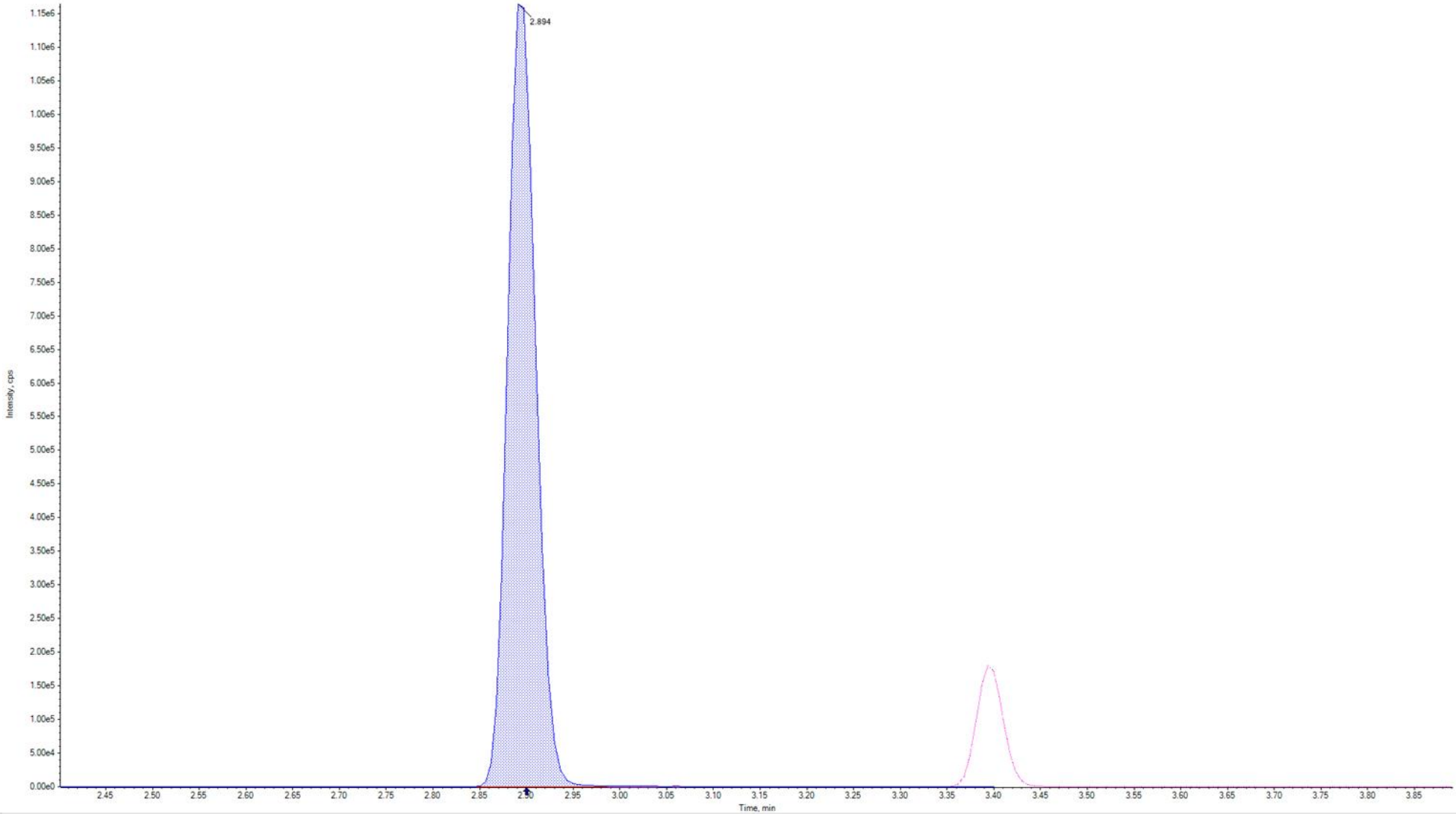
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFPeS
Sample: IA1633STD-50 S/N:13700.5 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFPeS_2
Sample: IA1633STD-50 S/N:10467.5 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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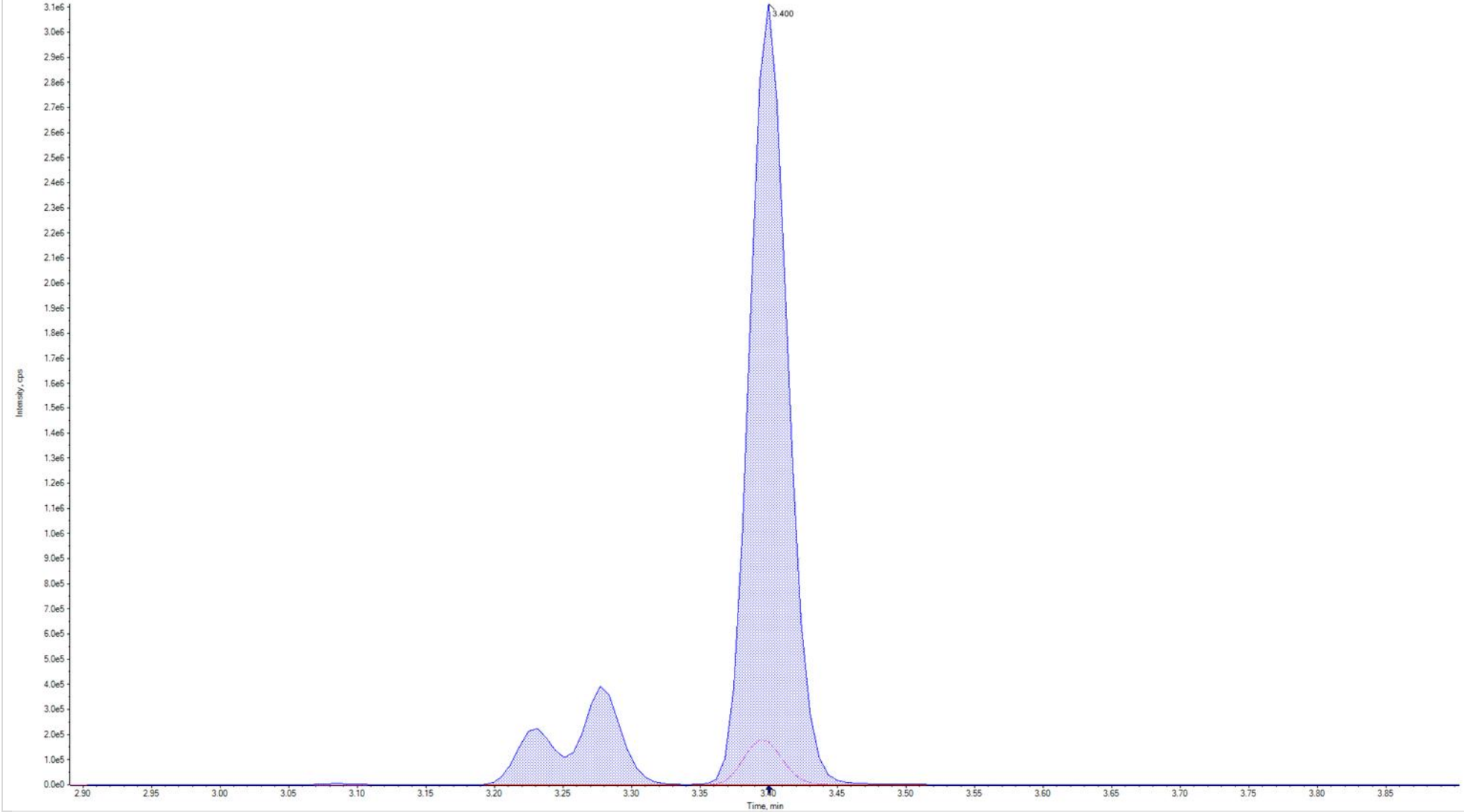
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFHxS
Sample: IA1633STD-50 S/N:1055.0 Points Across peak:57



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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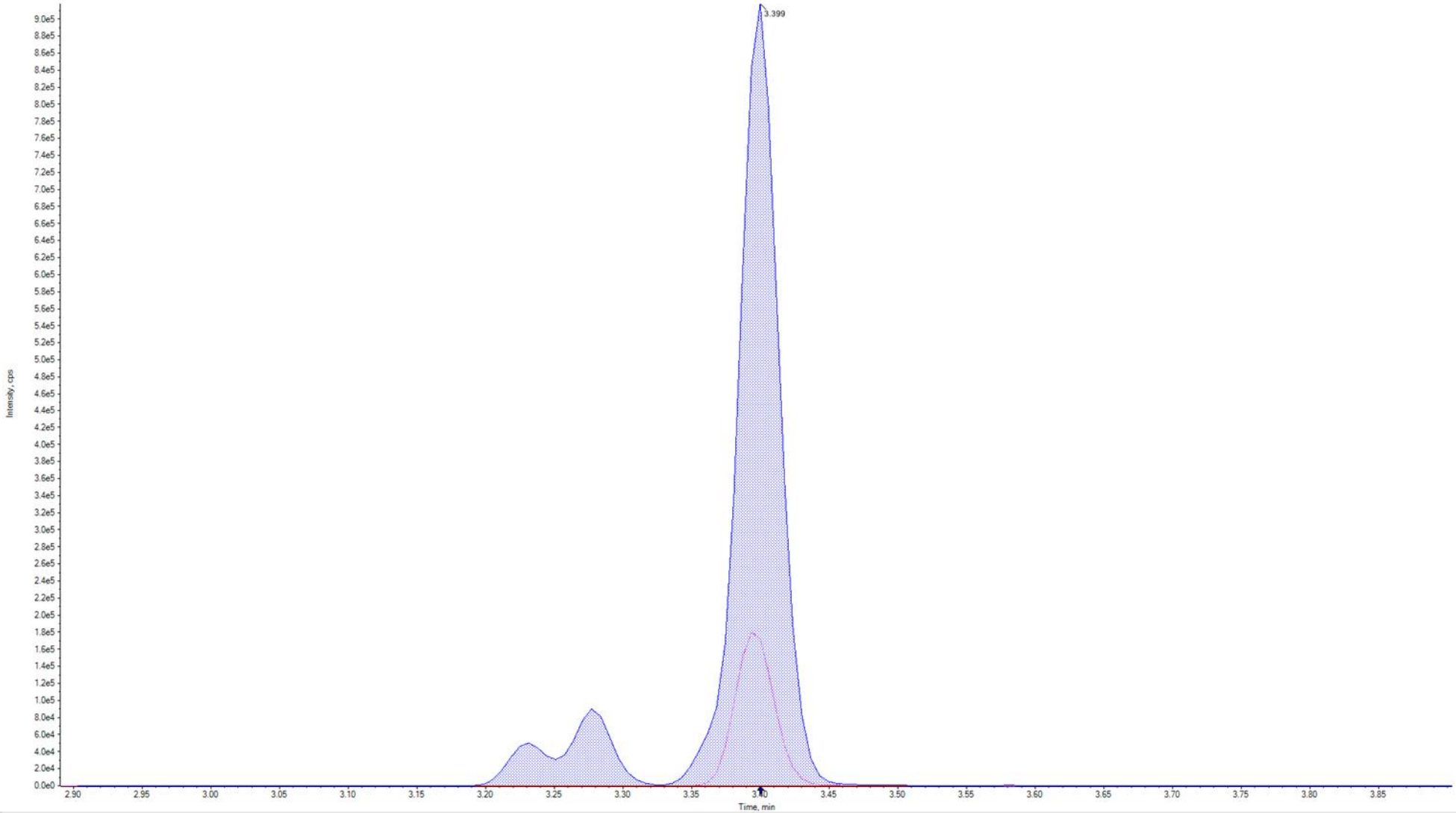
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFHxS_2
Sample: IA1633STD-50 S/N:1269.7 Points Across peak:59



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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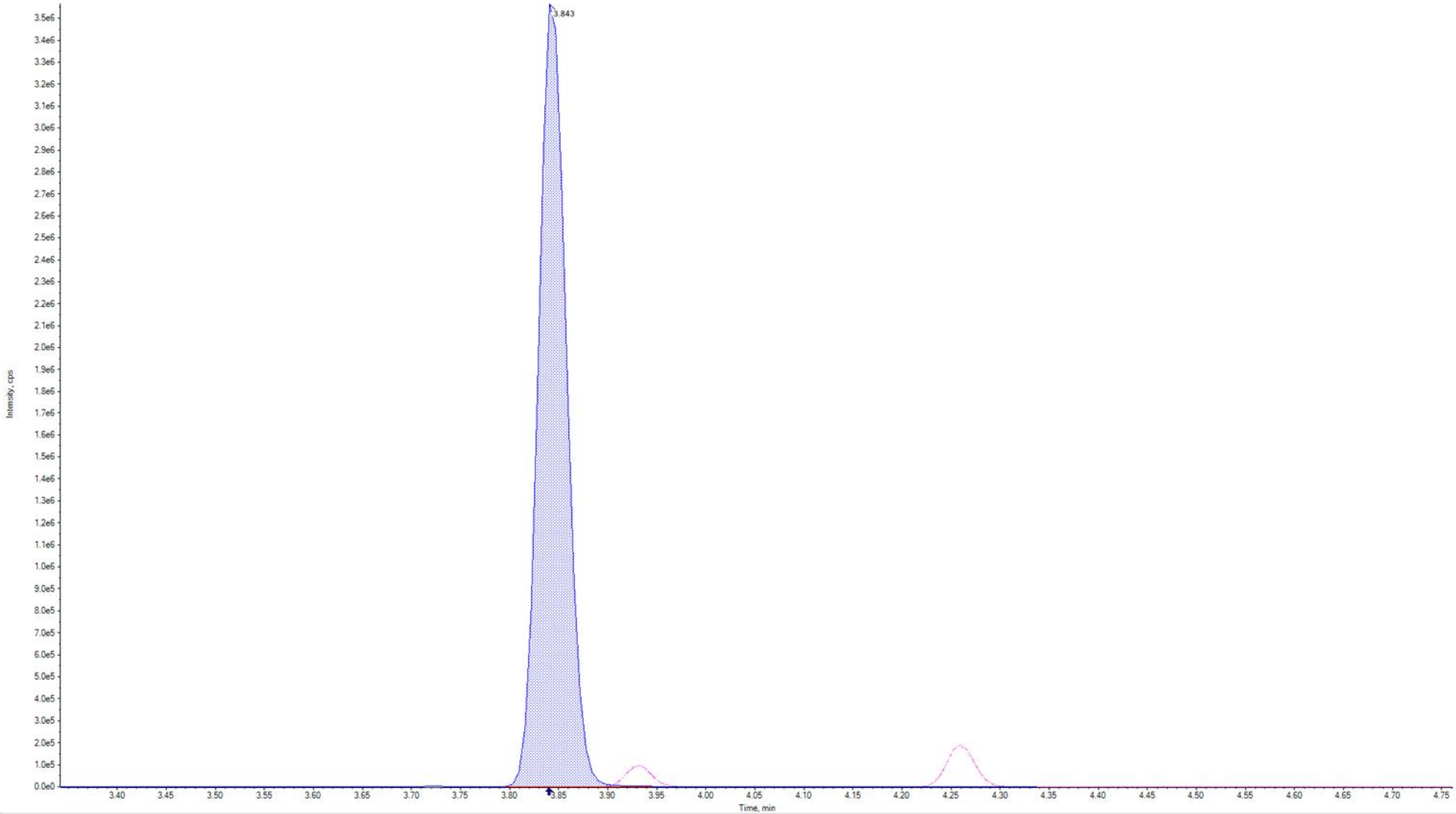
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFHpS
Sample: IA1633STD-50 S/N:8065.1 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:19:49 PM
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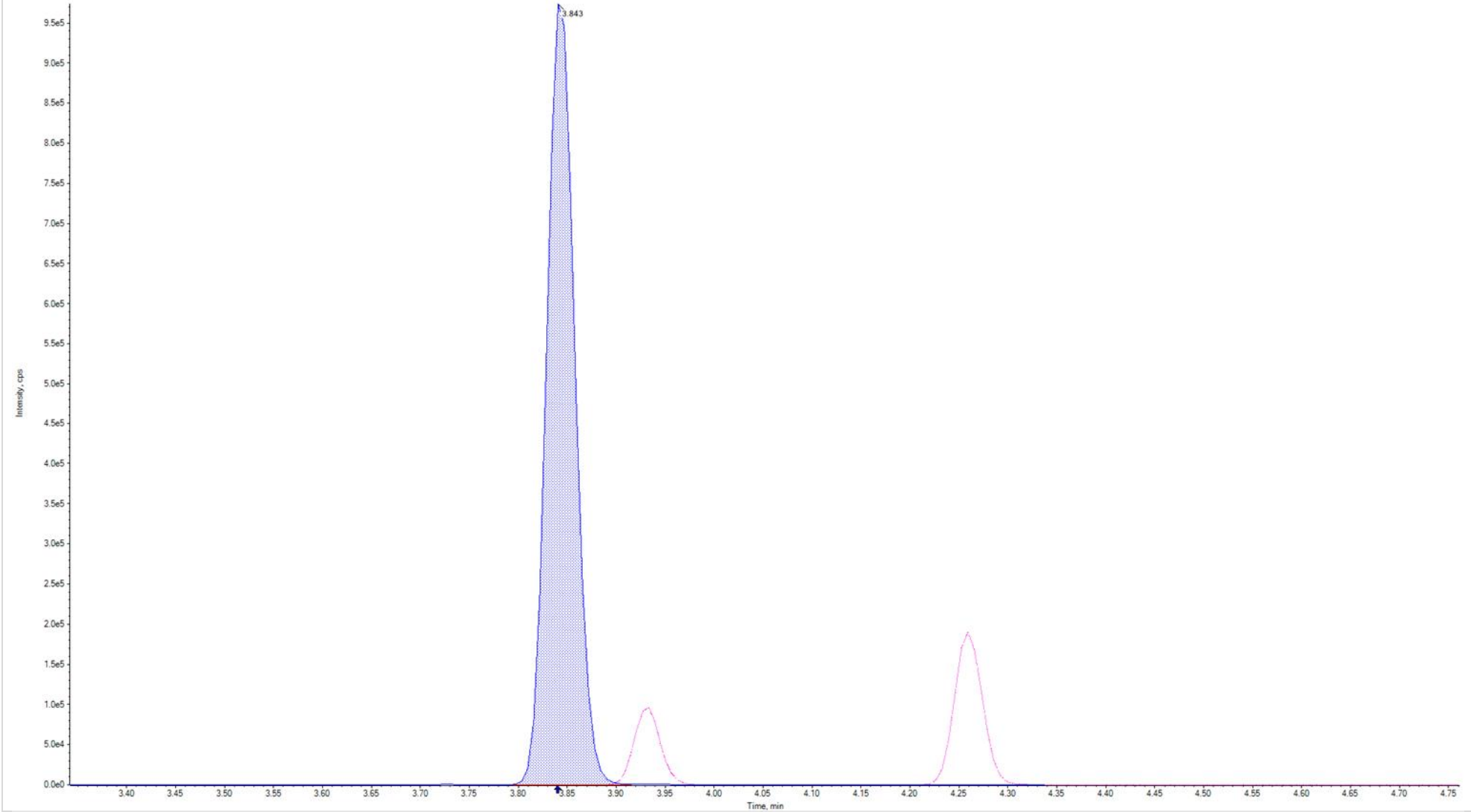
PFHpS_2
Sample: IA1633STD-50 S/N:6813.0 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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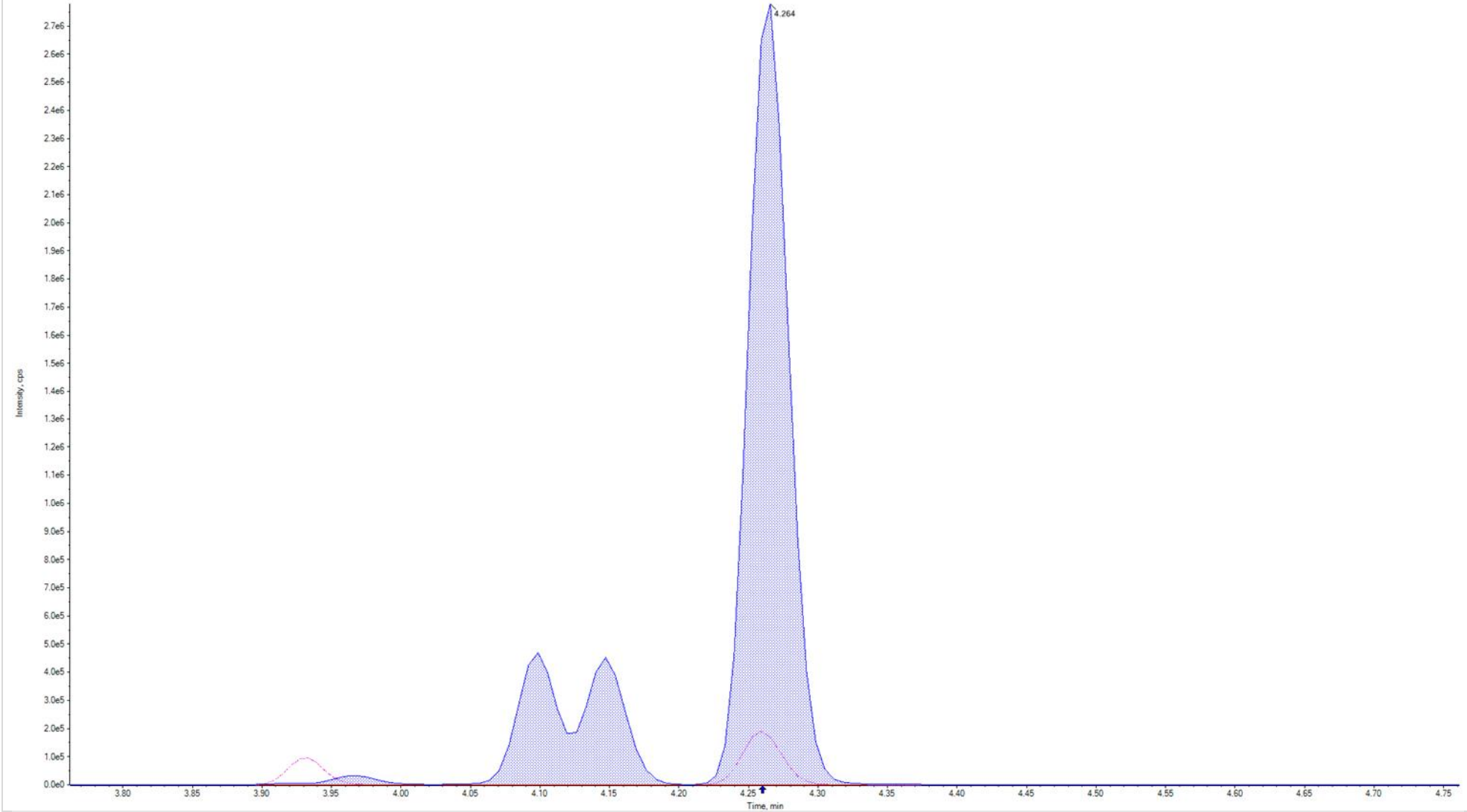
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOS
Sample: IA1633STD-50 S/N:548.2 Points Across peak:68



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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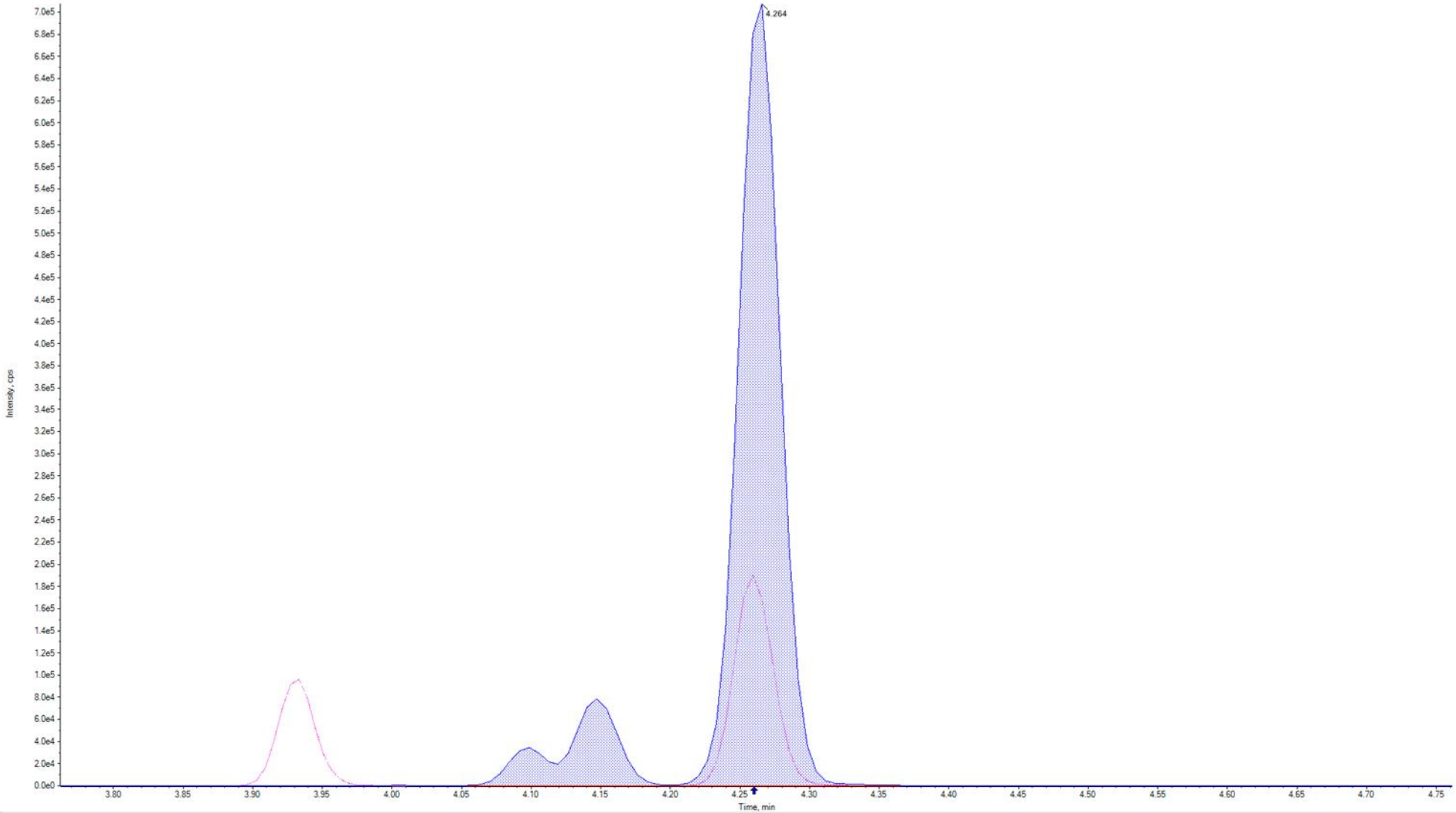
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFOS_2
Sample: IA1633STD-50 S/N:1370.0 Points Across peak:55



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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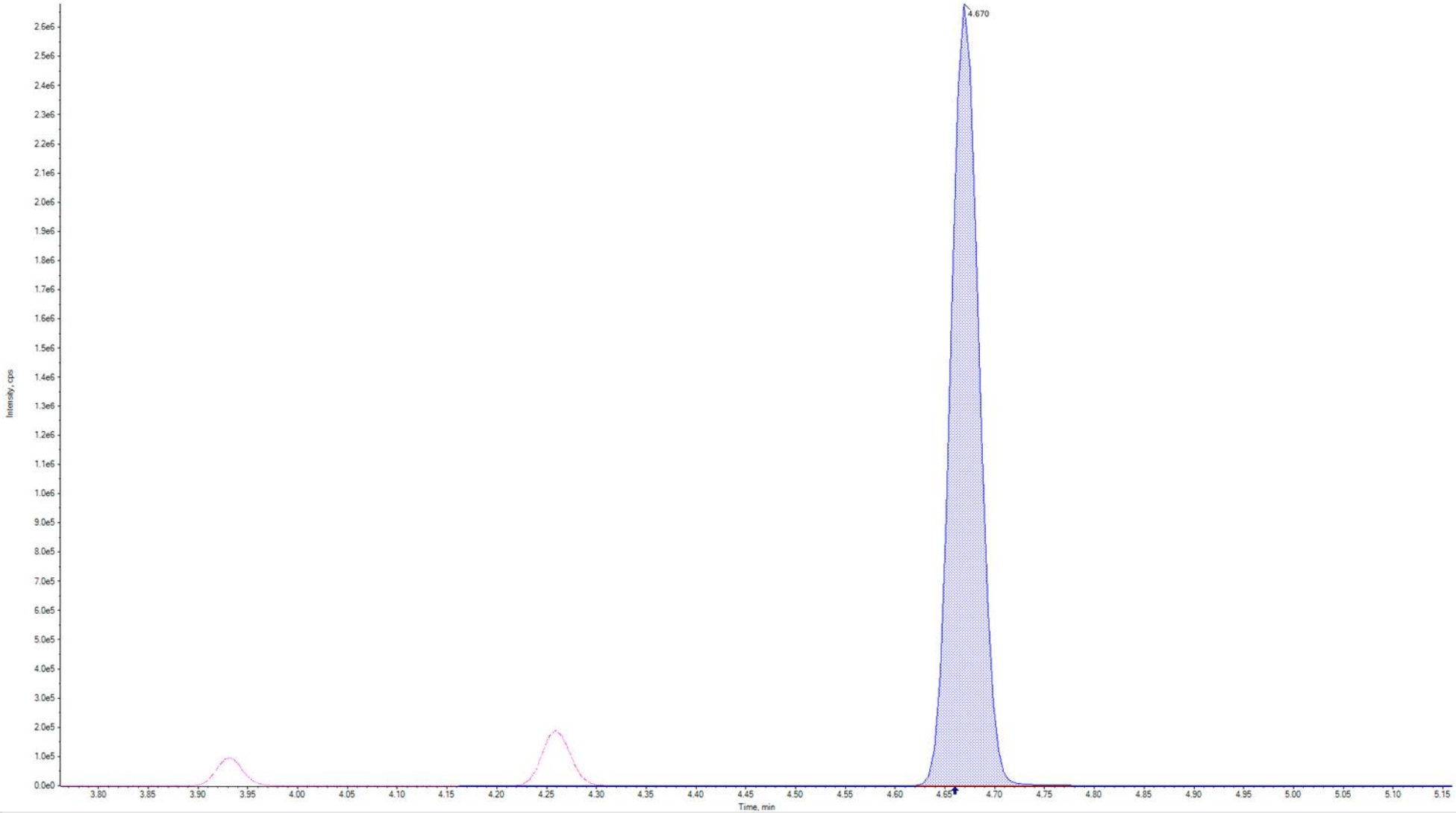
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFNS
Sample: IA1633STD-50 S/N:5512.4 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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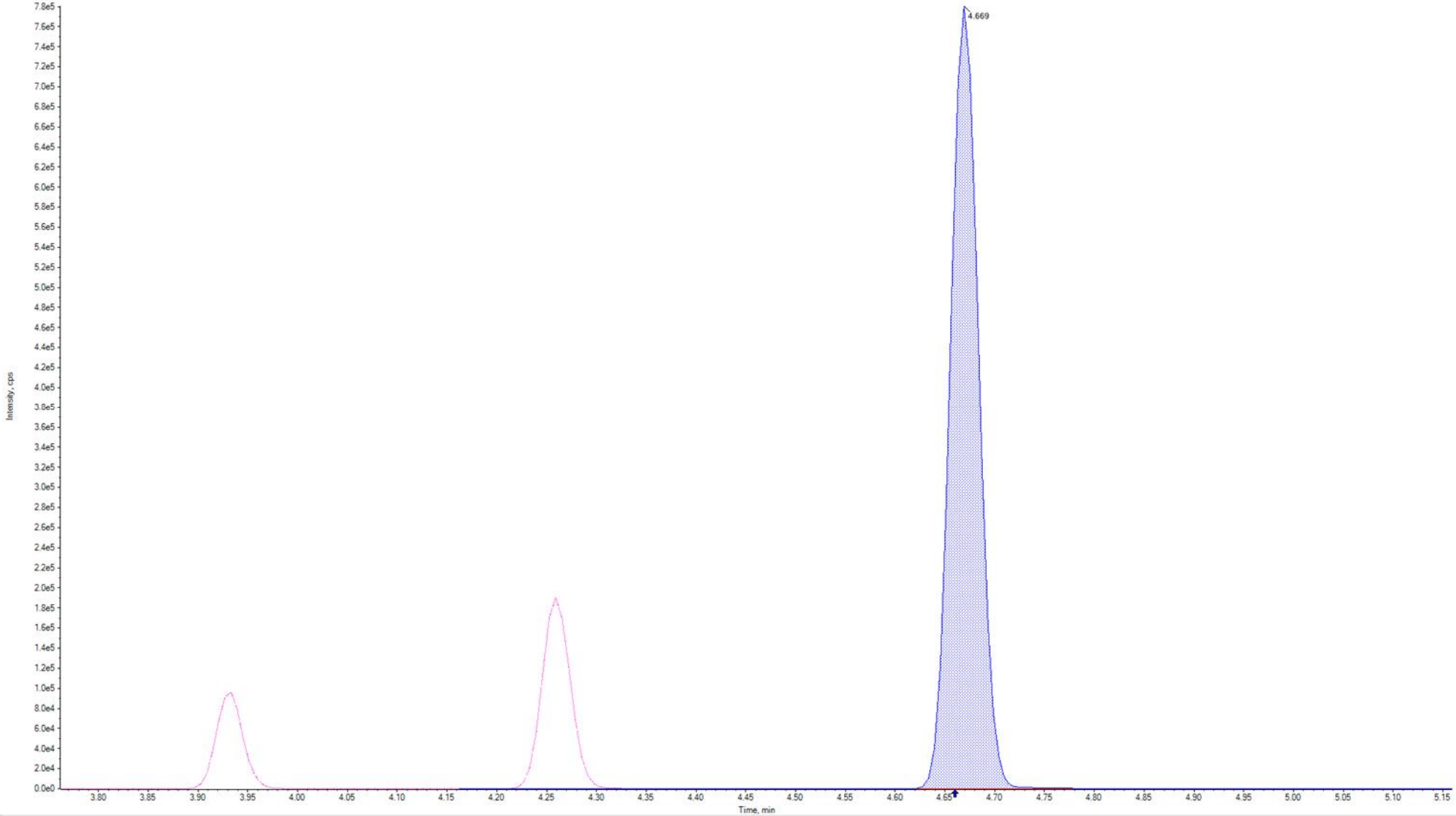
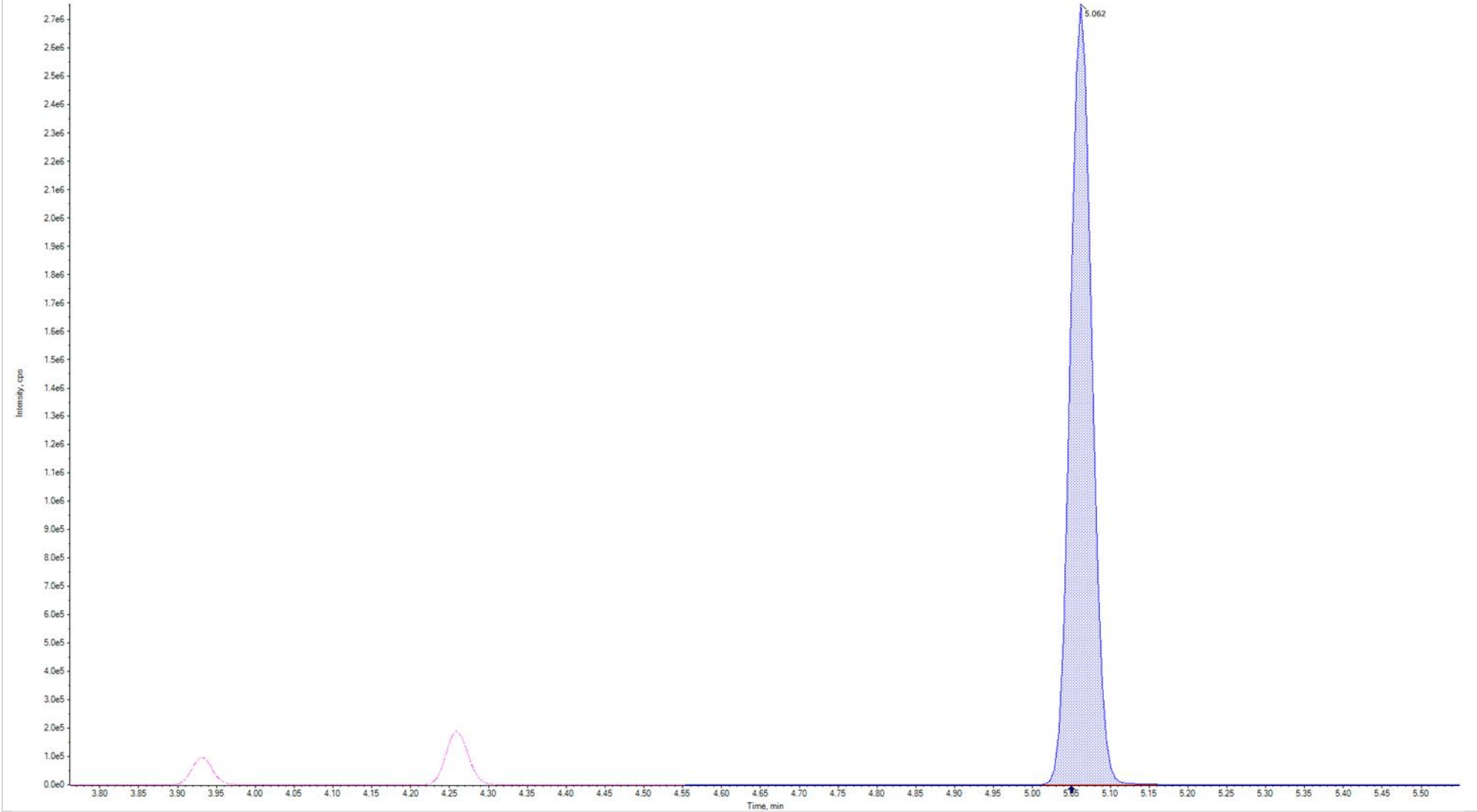
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFNS_2
Sample: IA1633STD-50 S/N:6261.5 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDS
Sample: IA1633STD-50 S/N:96693.2 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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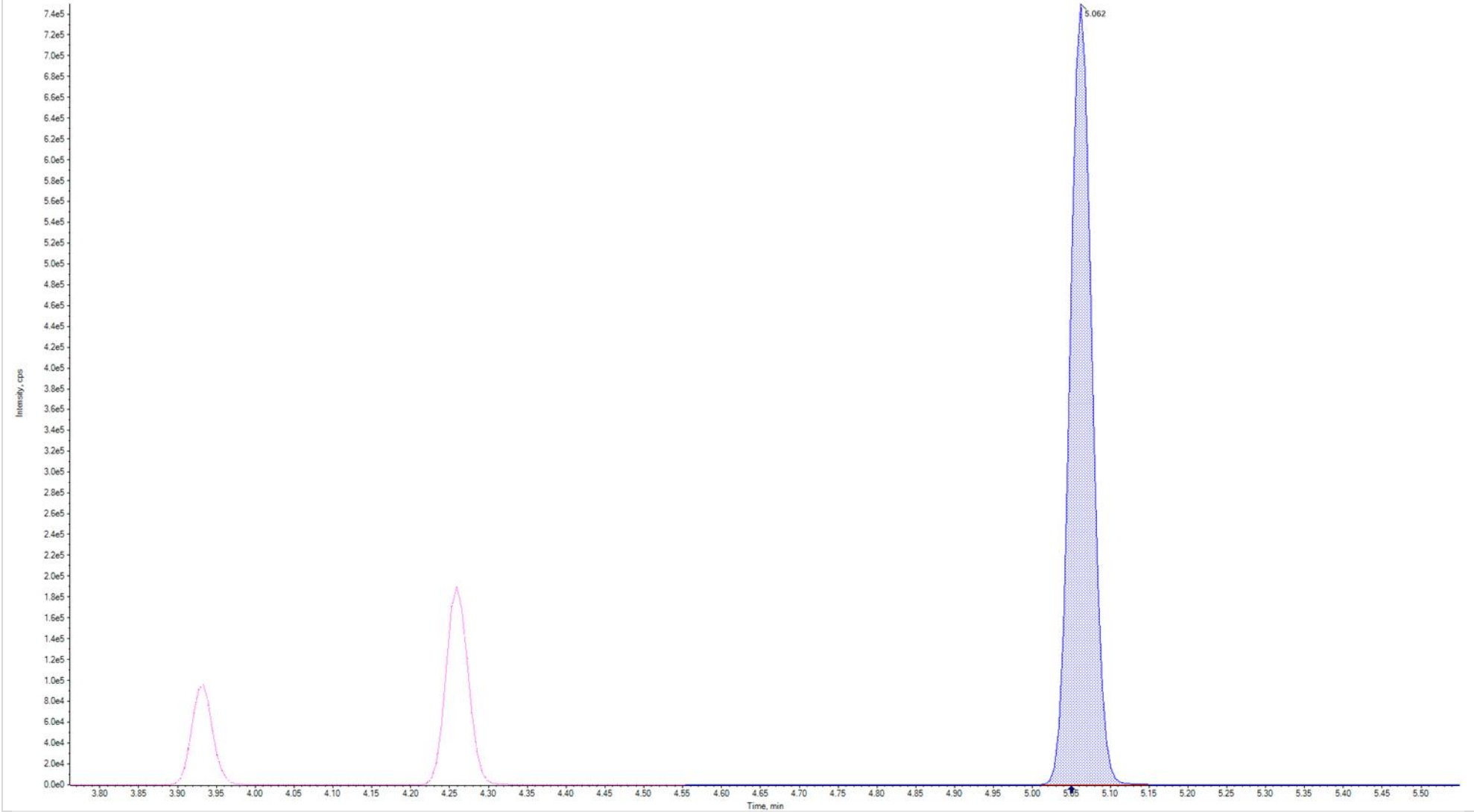
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDS_2
Sample: IA1633STD-50 S/N:7348.8 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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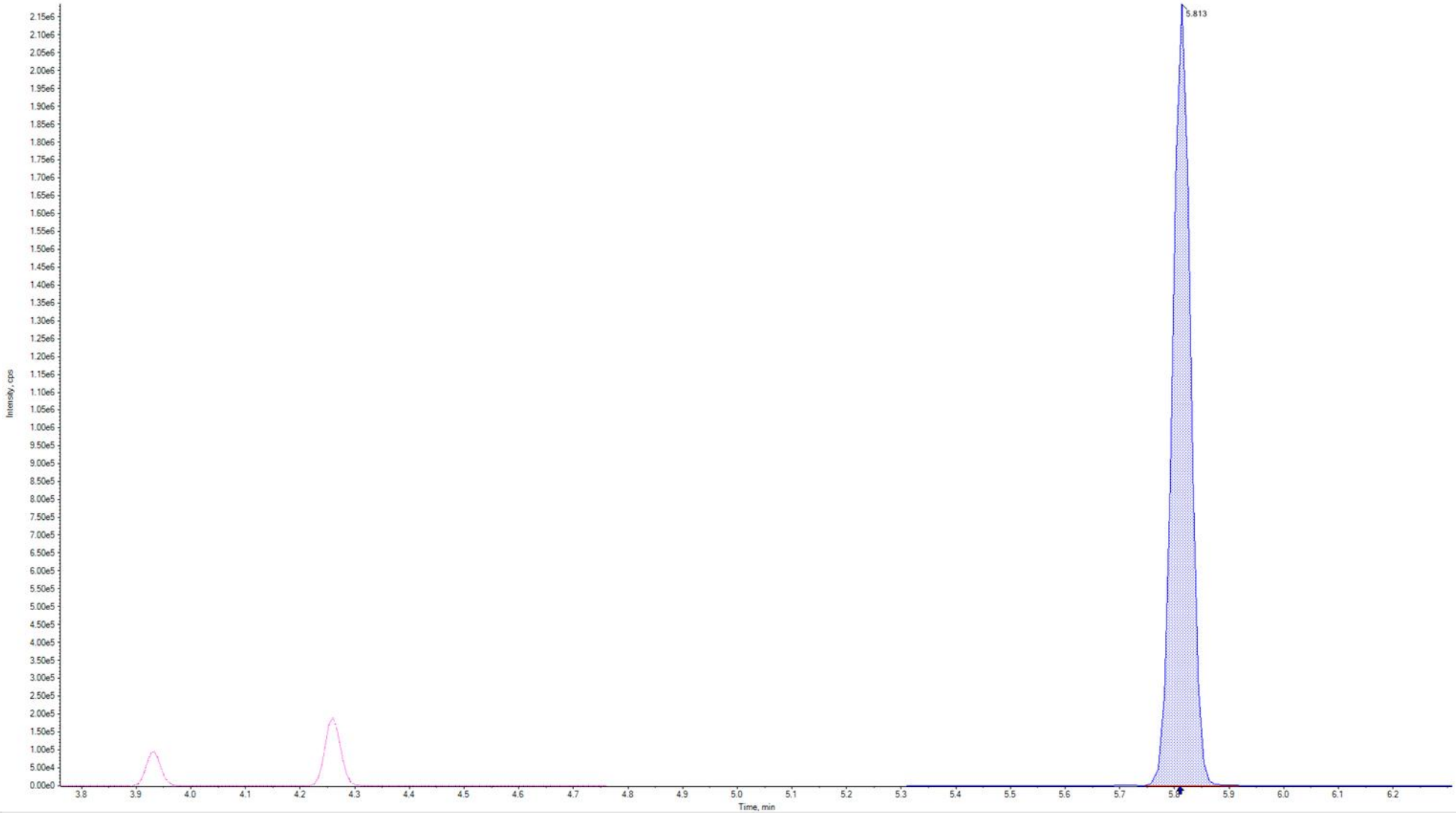
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFDoS
Sample: IA1633STD-50 S/N:169888.2 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:19:49 PM
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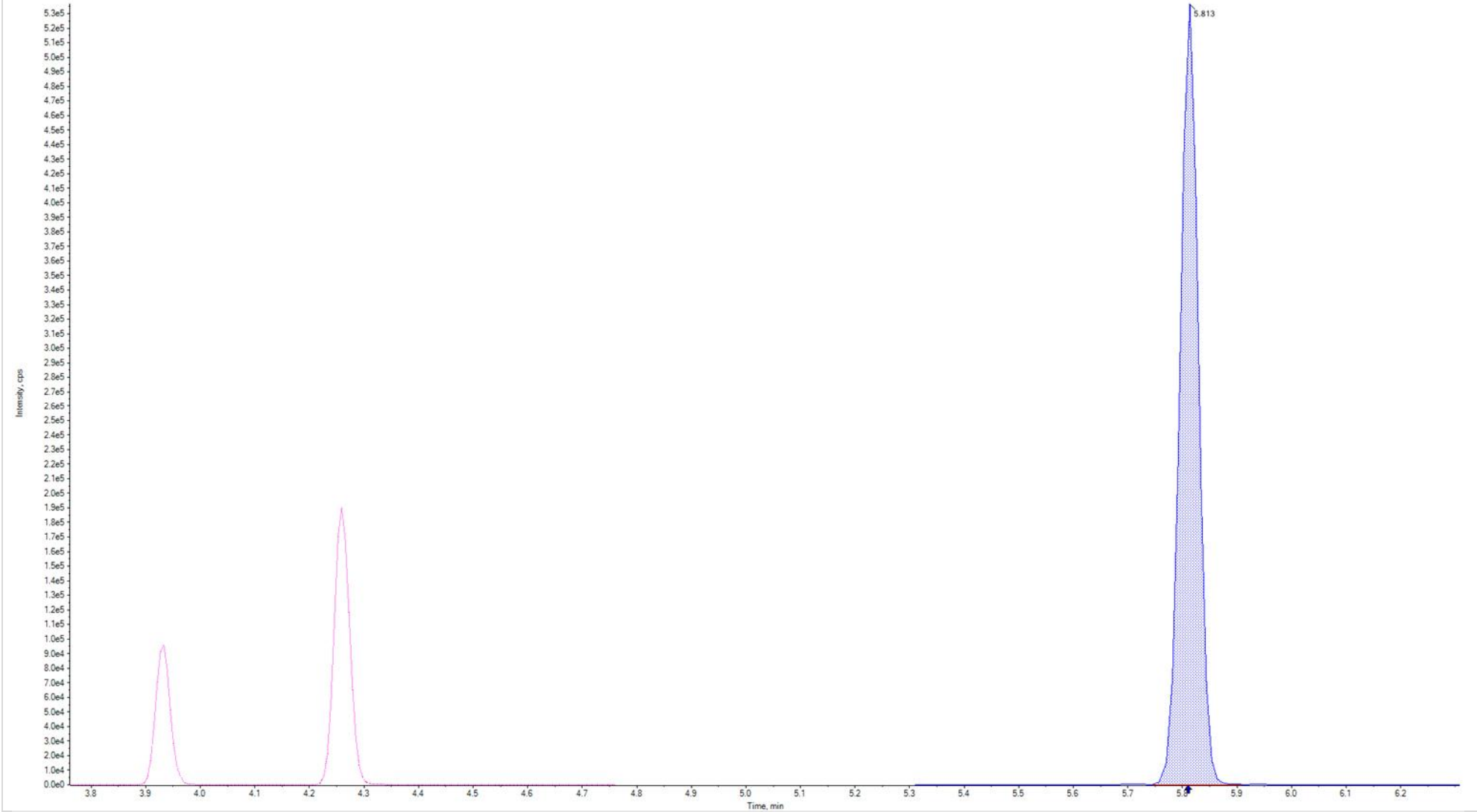
PFDoS_2
Sample: IA1633STD-50 S/N:4371.1 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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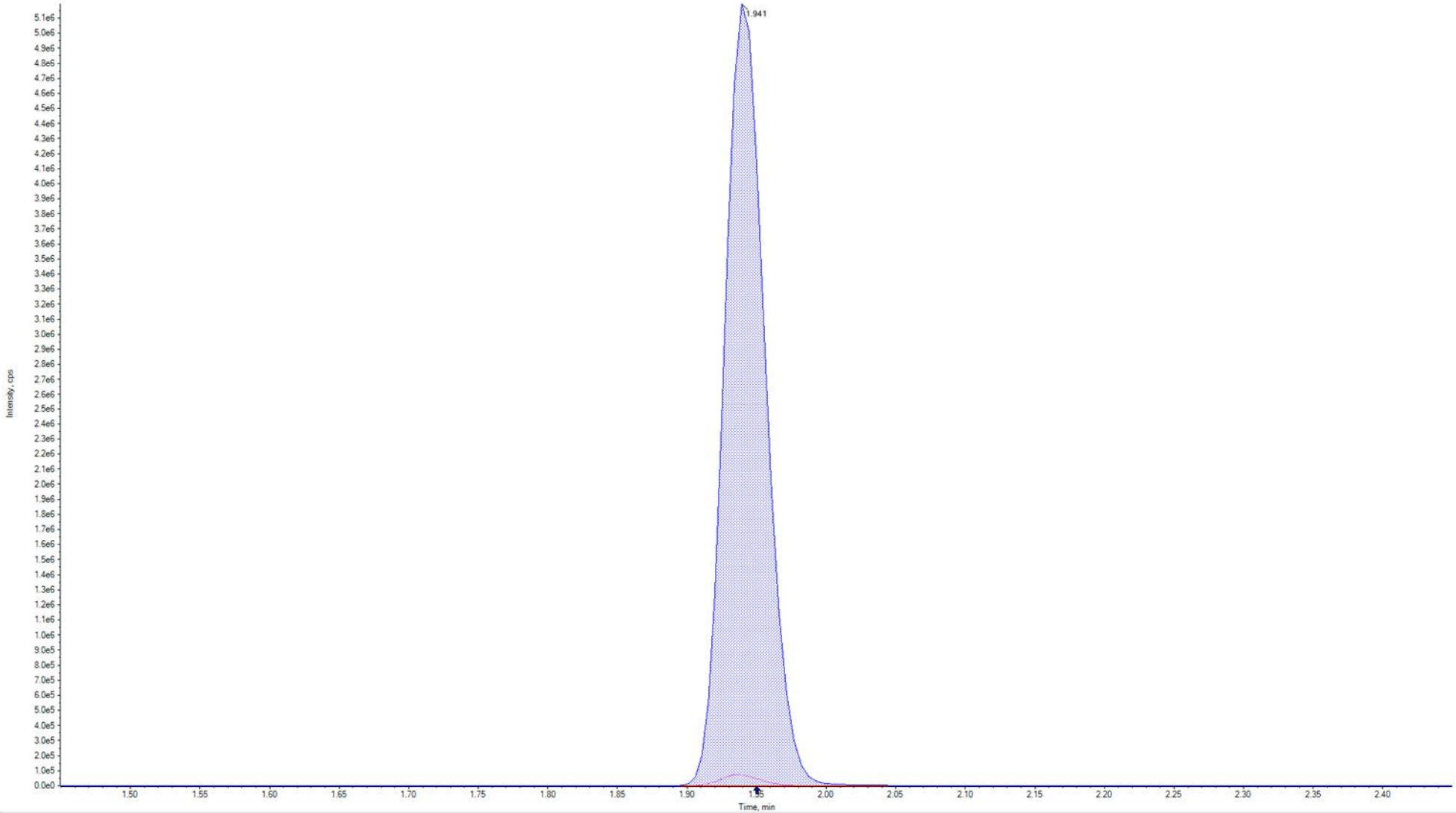
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

4:2FTS
Sample: IA1633STD-50 S/N:14904.7 Points Across peak:54



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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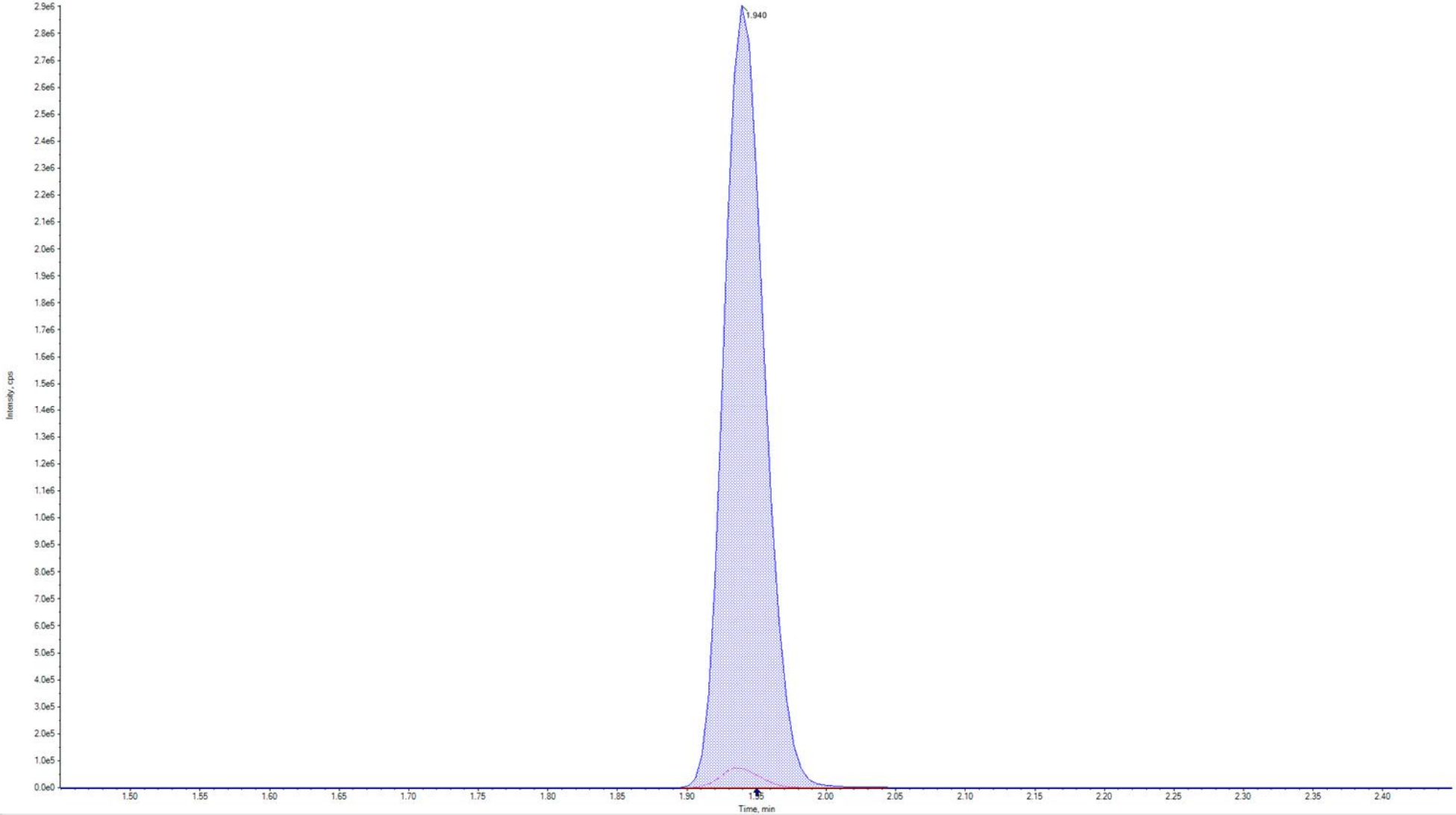
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

4:2FTS_2
Sample: IA1633STD-50 S/N:109185.2 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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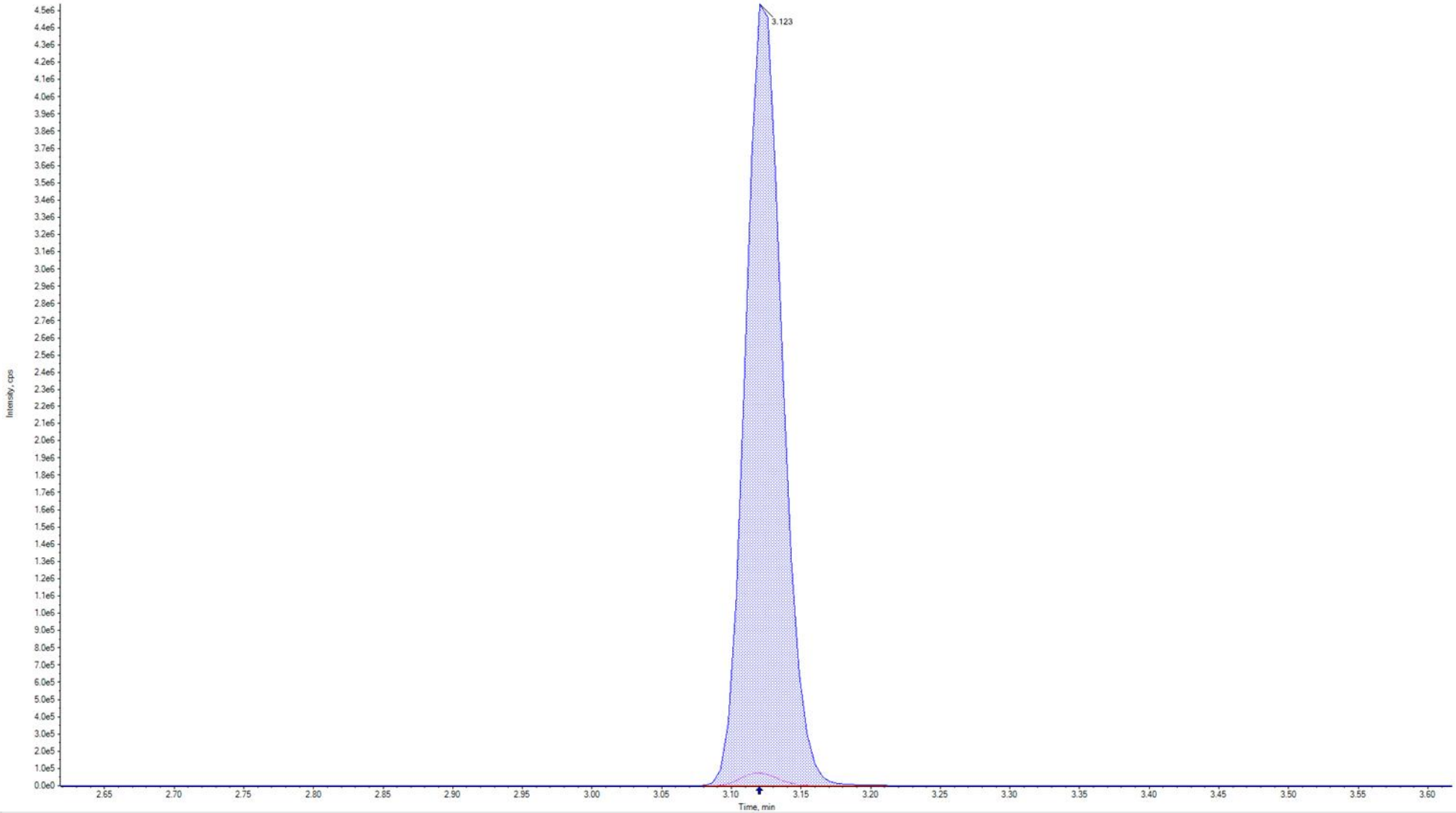
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

6:2FTS
Sample: IA1633STD-50 S/N:19110.9 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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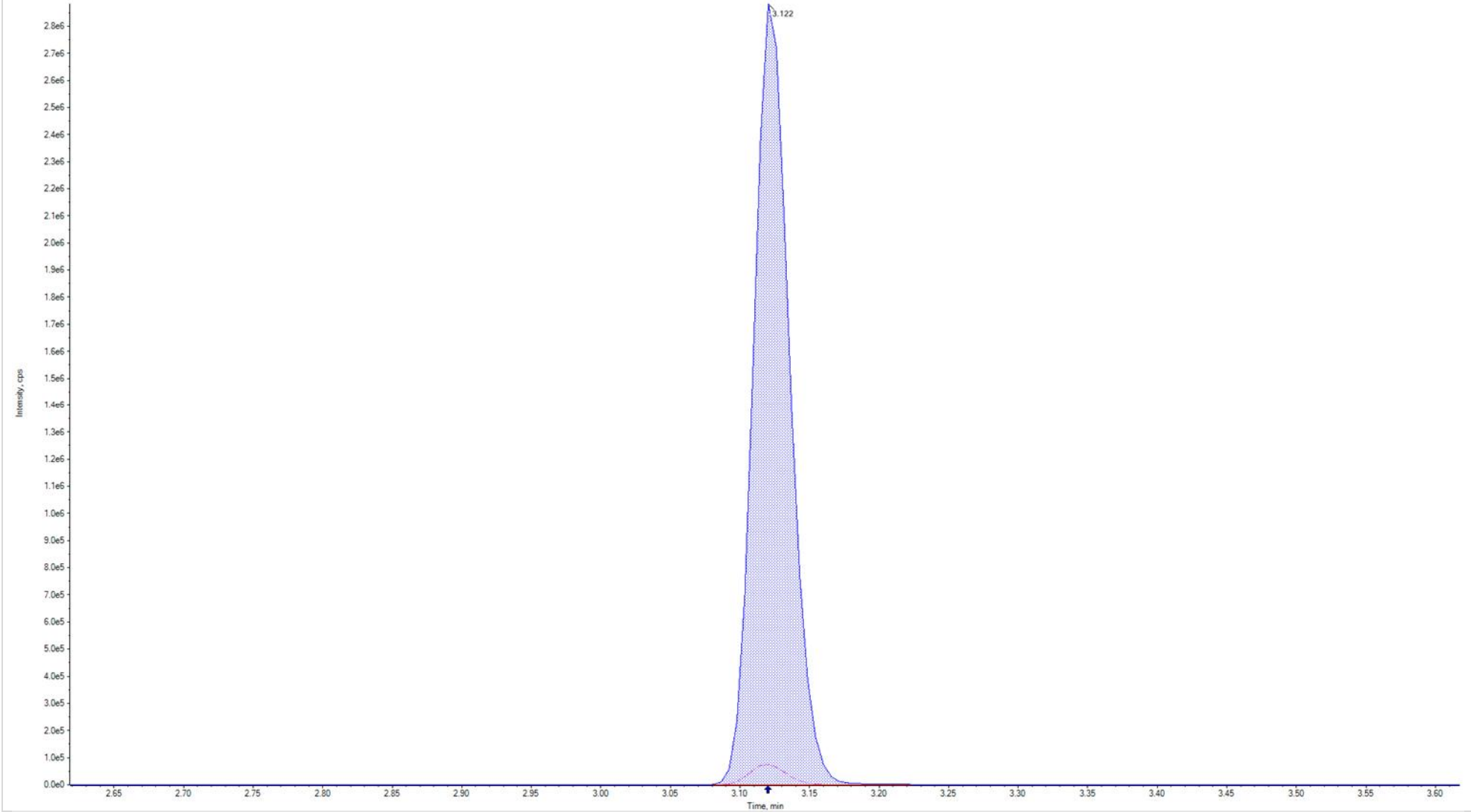
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

6:2FTS_2
Sample: IA1633STD-50 S/N:16737.5 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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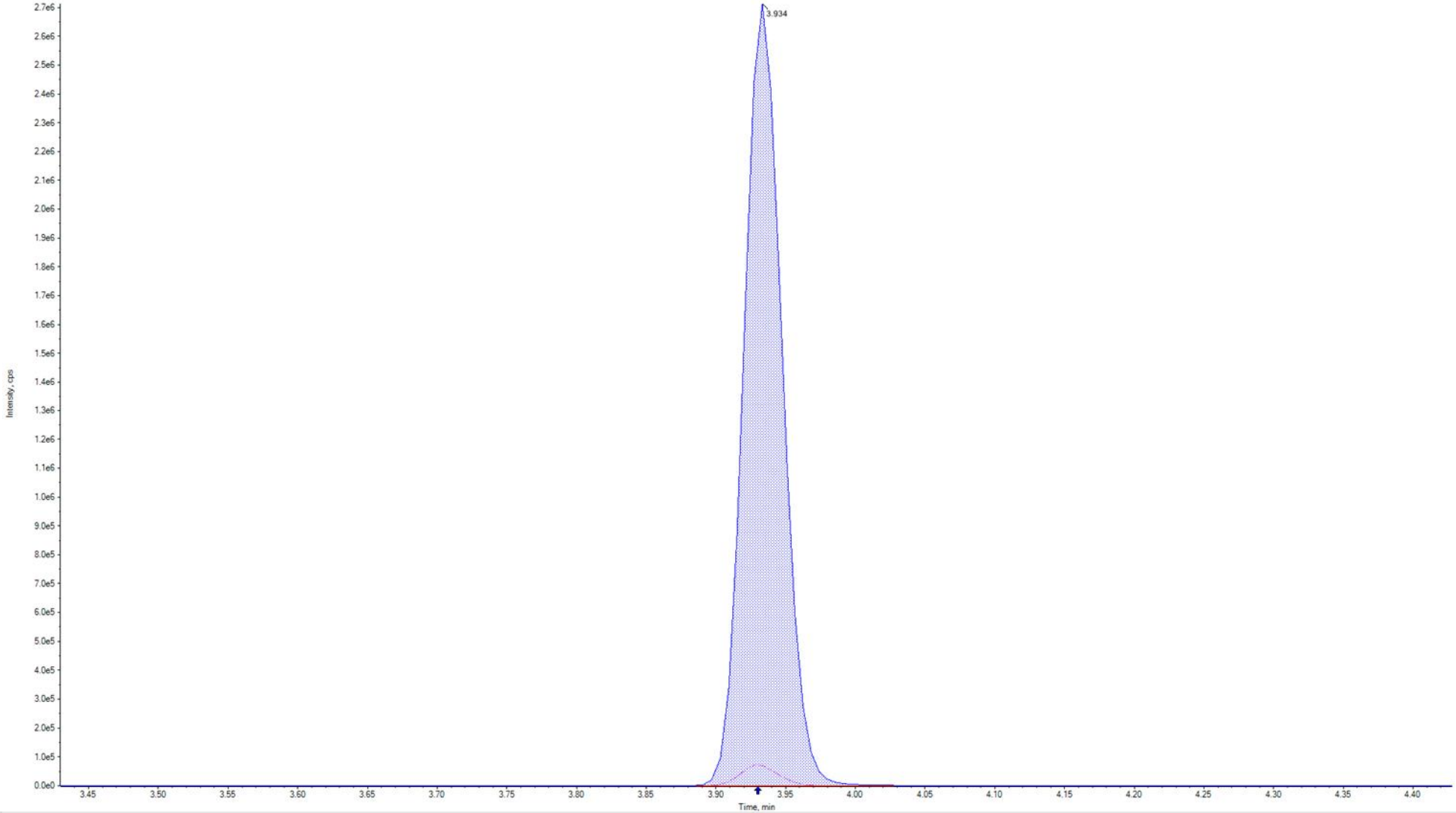
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

8:2FTS
Sample: IA1633STD-50 S/N:9627.5 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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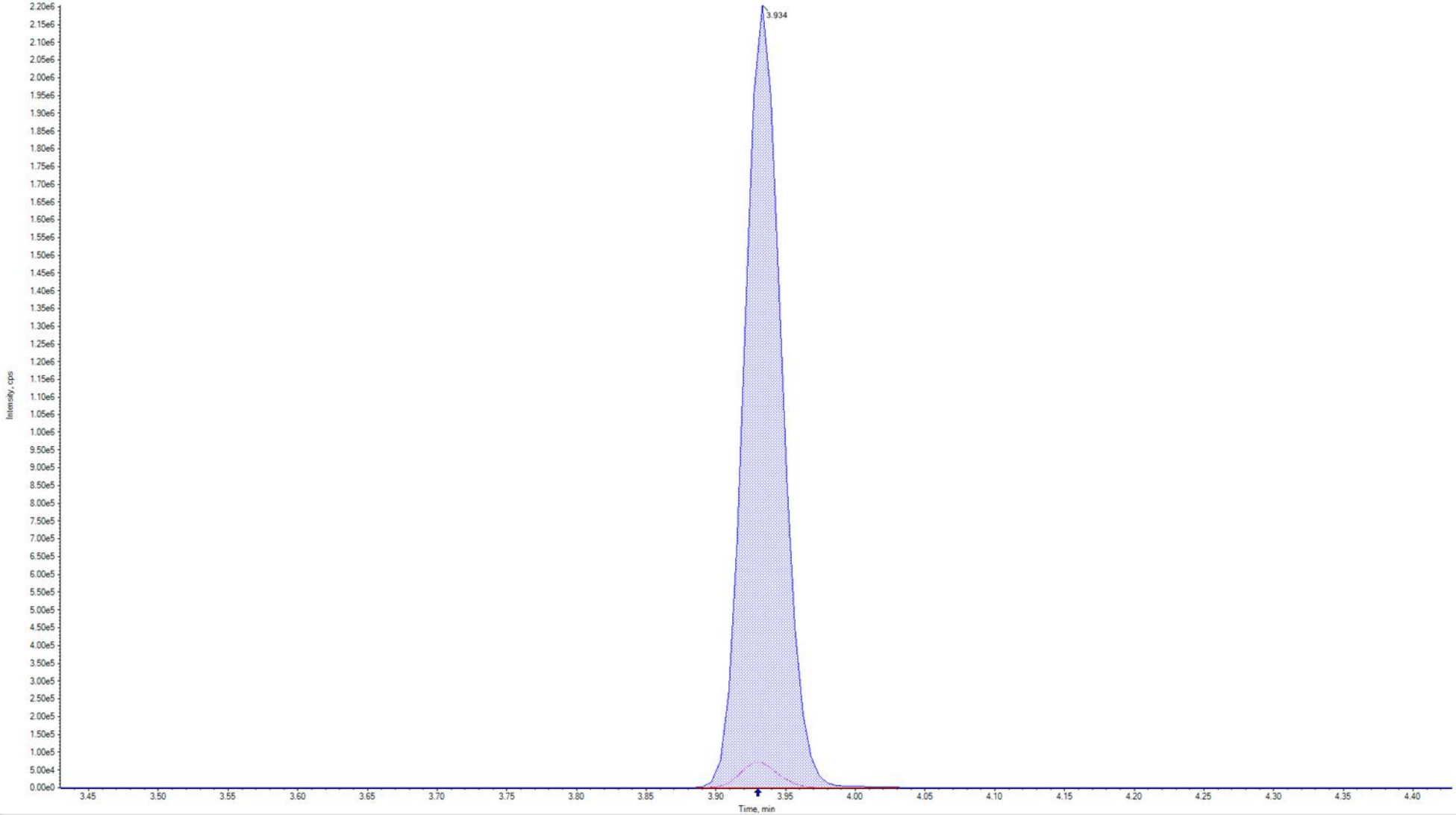
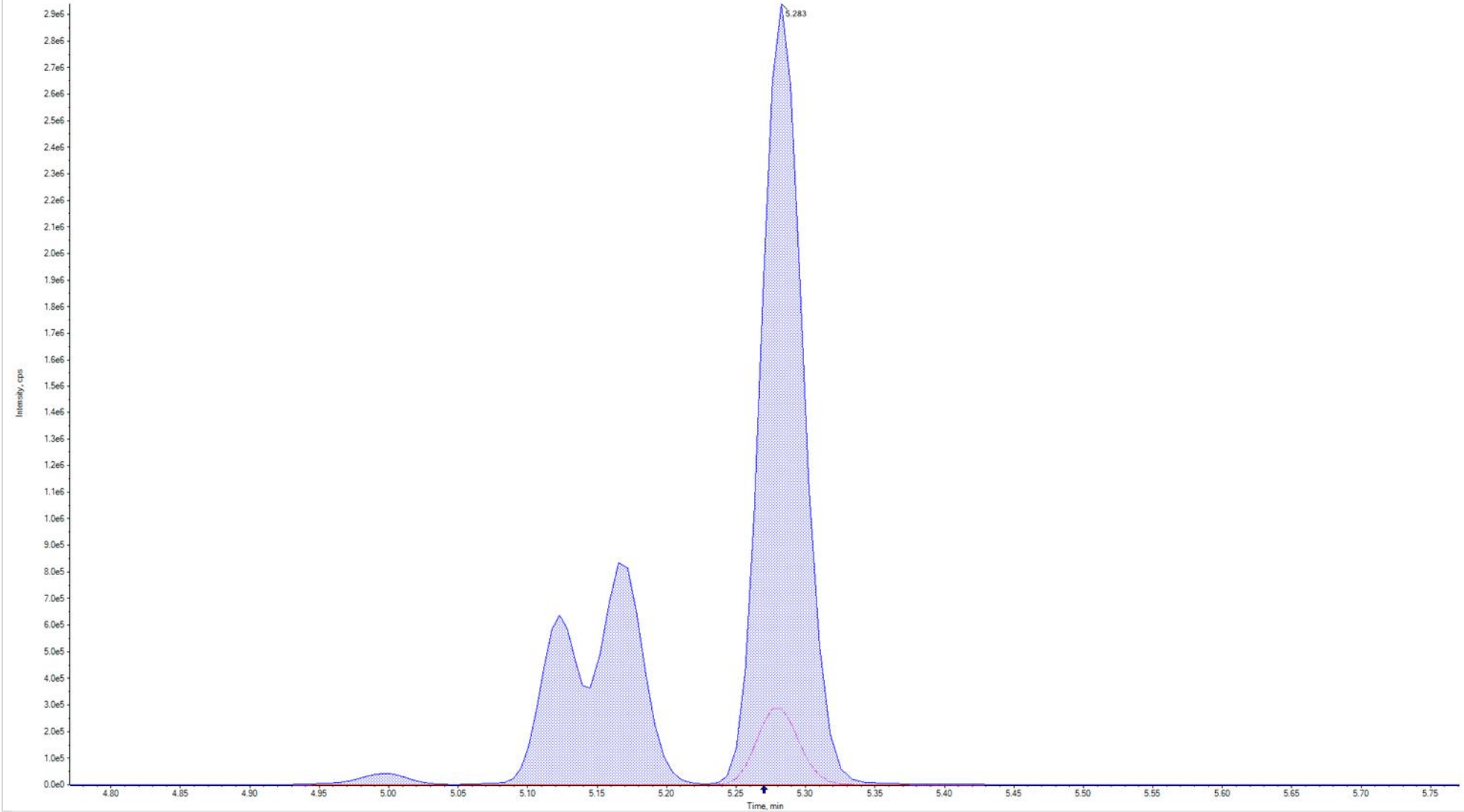
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

8:2FTS_2
Sample: IA1633STD-50 S/N:7544.0 Points Across peak:40



PFOSA
Sample: IA1633STD-50 S/N:235.3 Points Across peak:68



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
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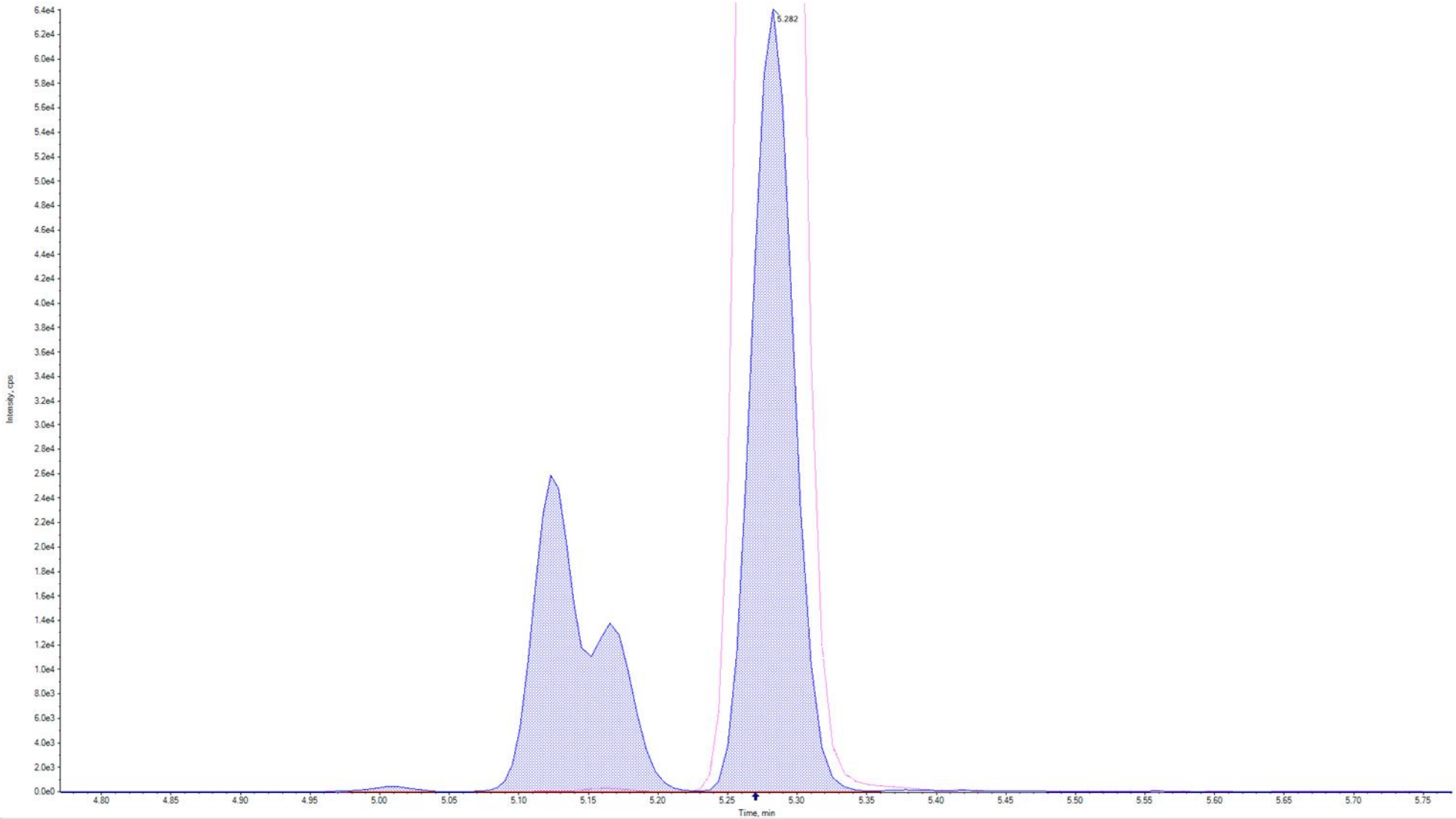
PFOSA_2
Sample: IA1633STD-50 S/N:310.1 Points Across peak:61



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:19:49 PM
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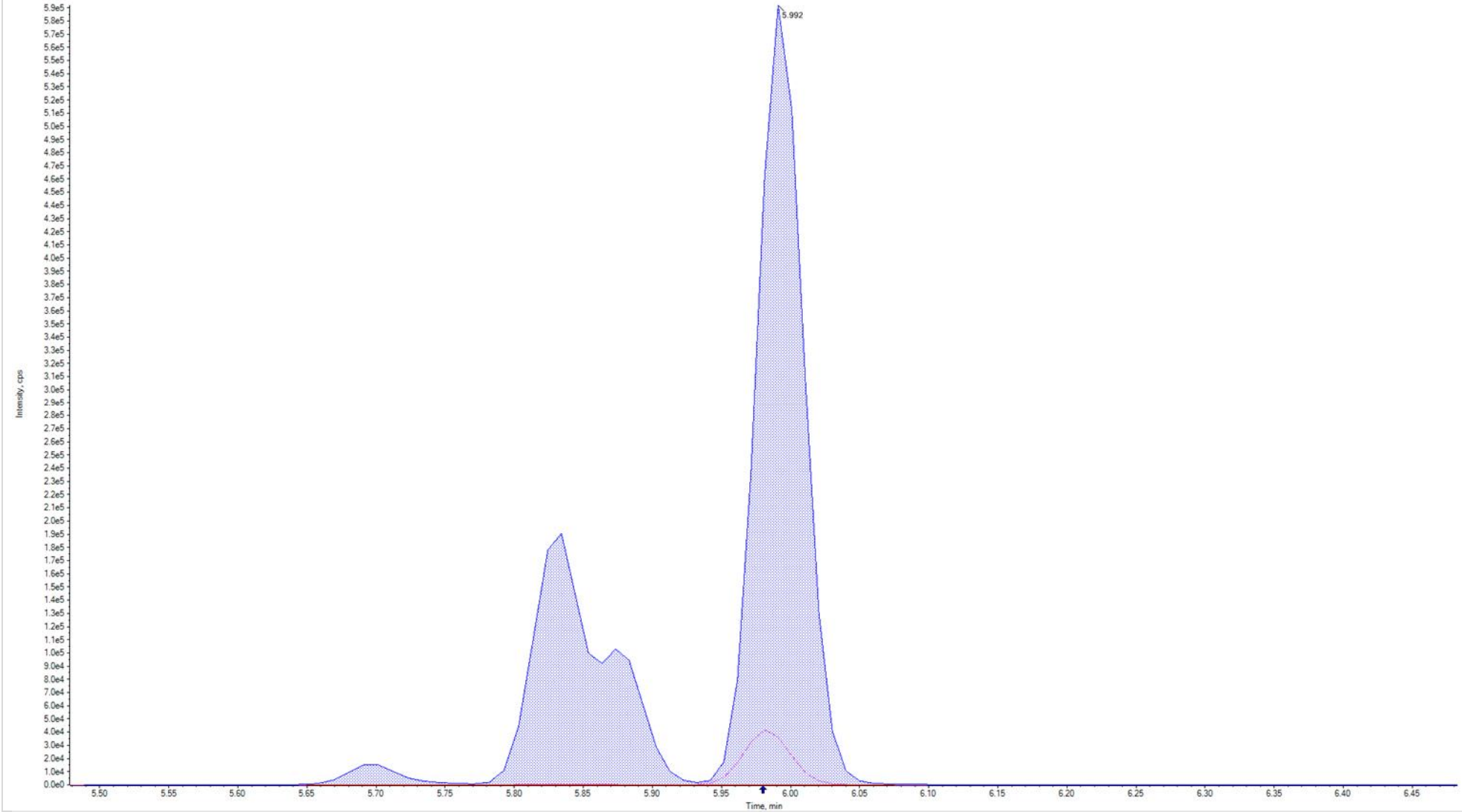
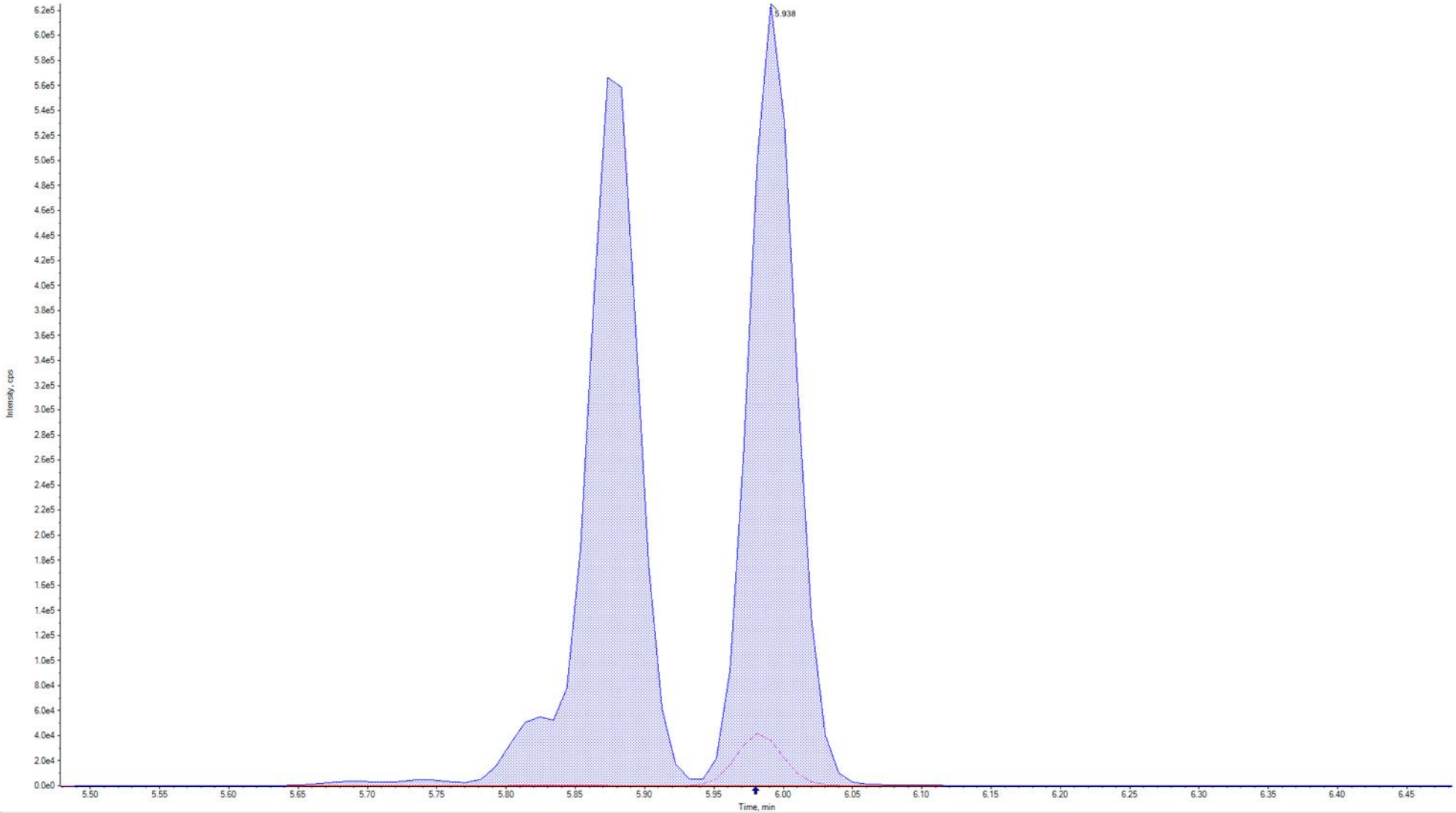
NMeFOSA
Sample: IA1633STD-50 S/N:324.9 Points Across peak:43



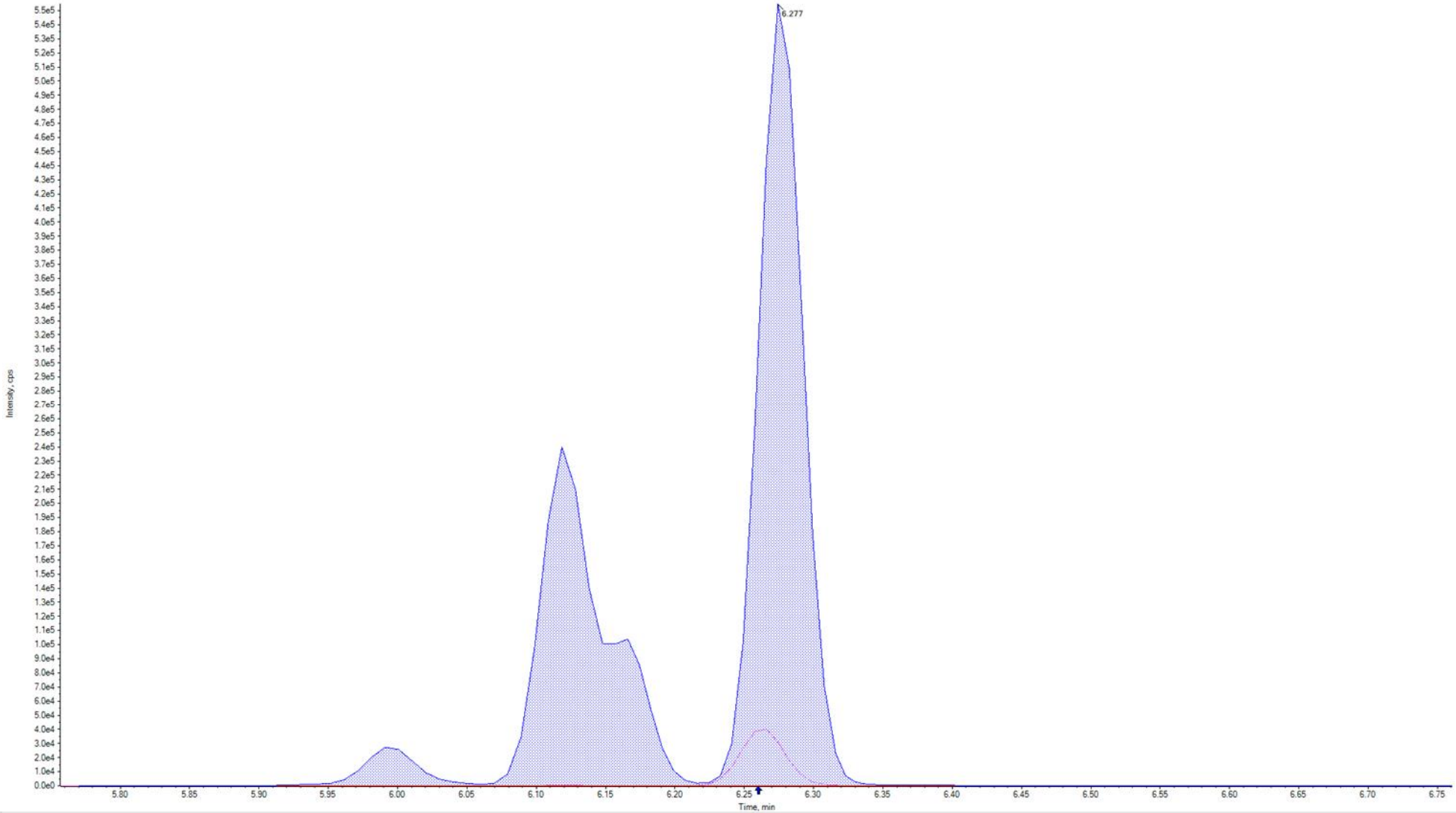
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSA_2
Sample: IA1633STD-50 S/N:282.5 Points Across peak:51



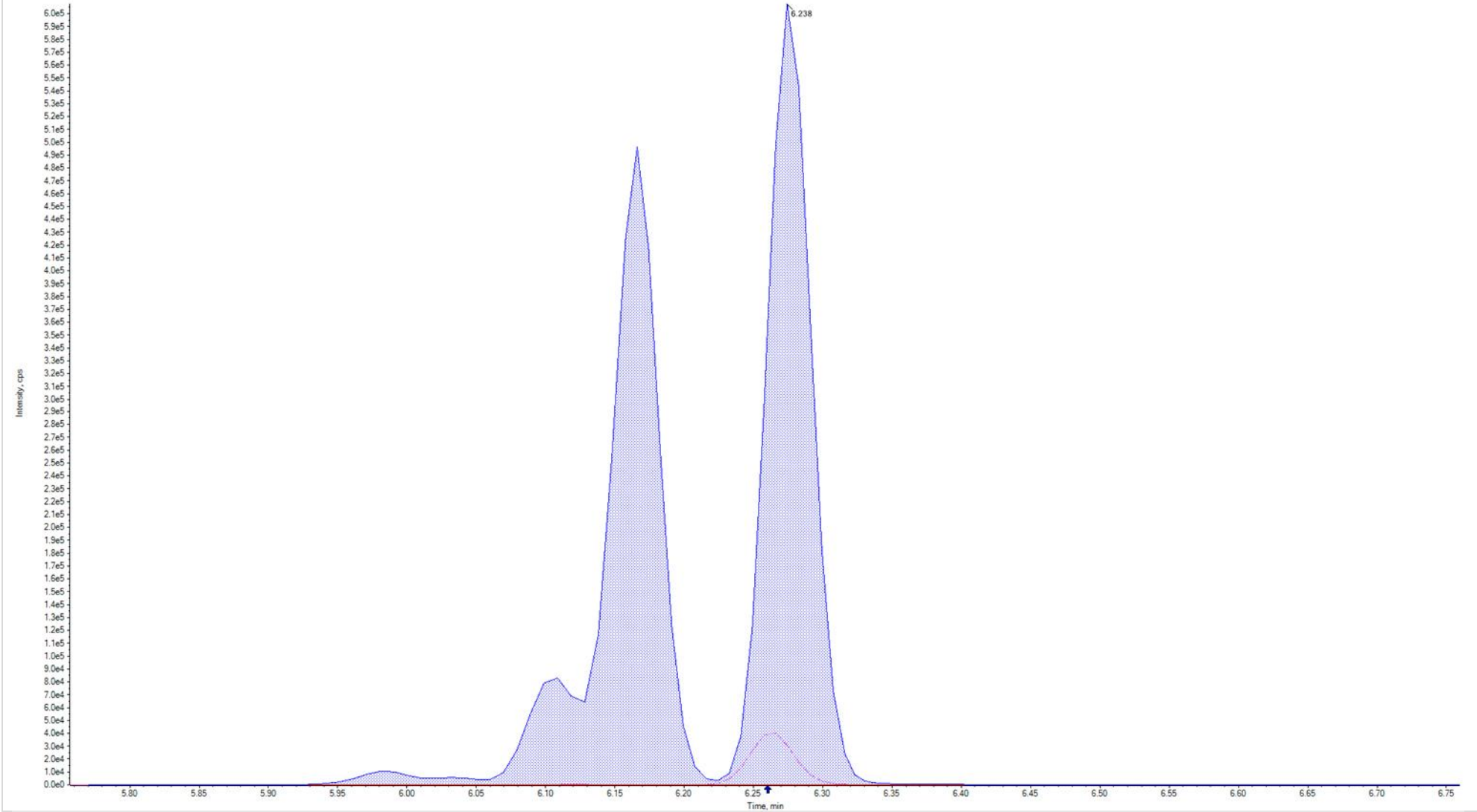
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSA
Sample: IA1633STD-50 S/N:1131.4 Points Across peak:63



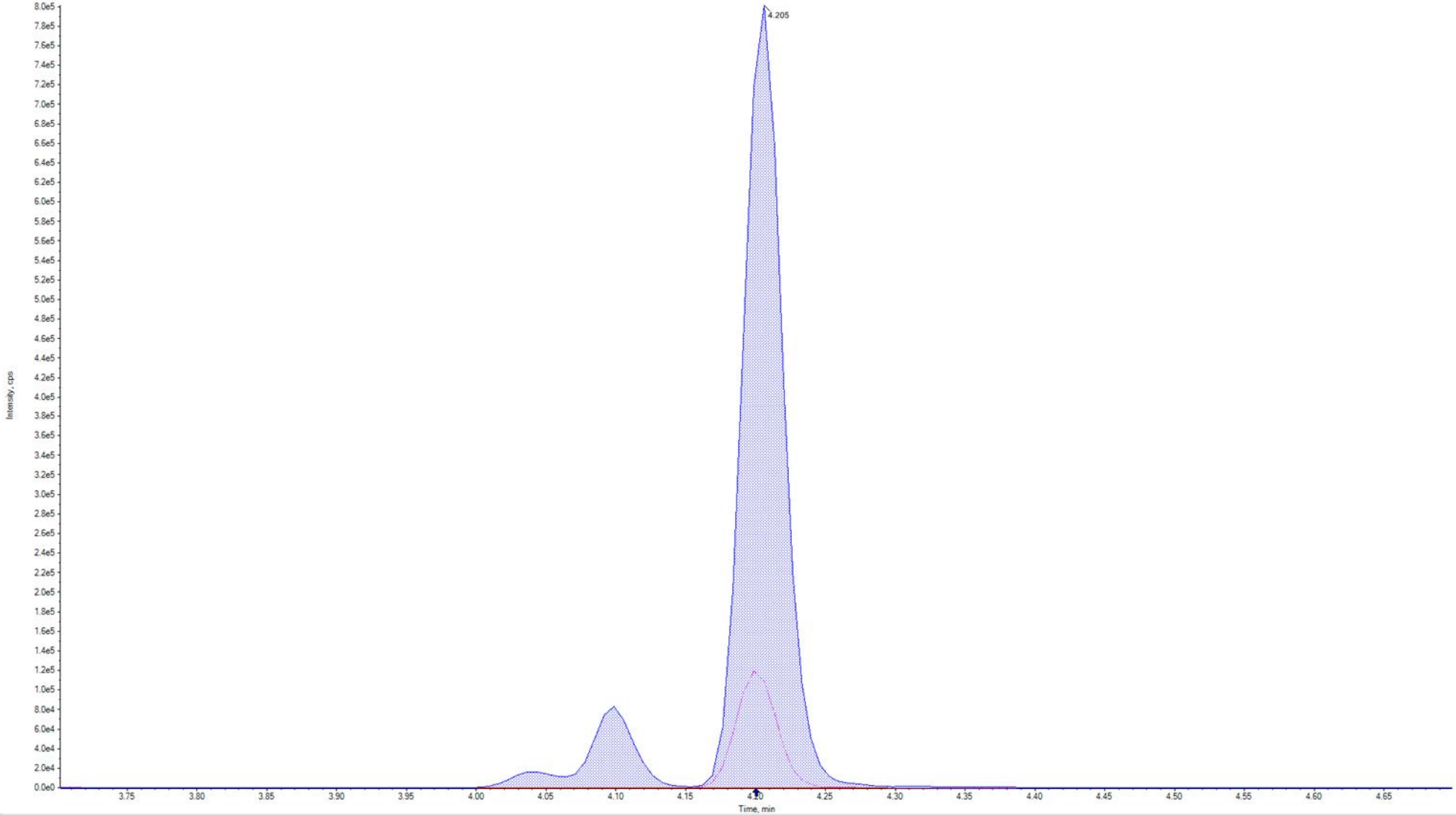
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSA_2
Sample: IA1633STD-50 S/N:1228.0 Points Across peak:63



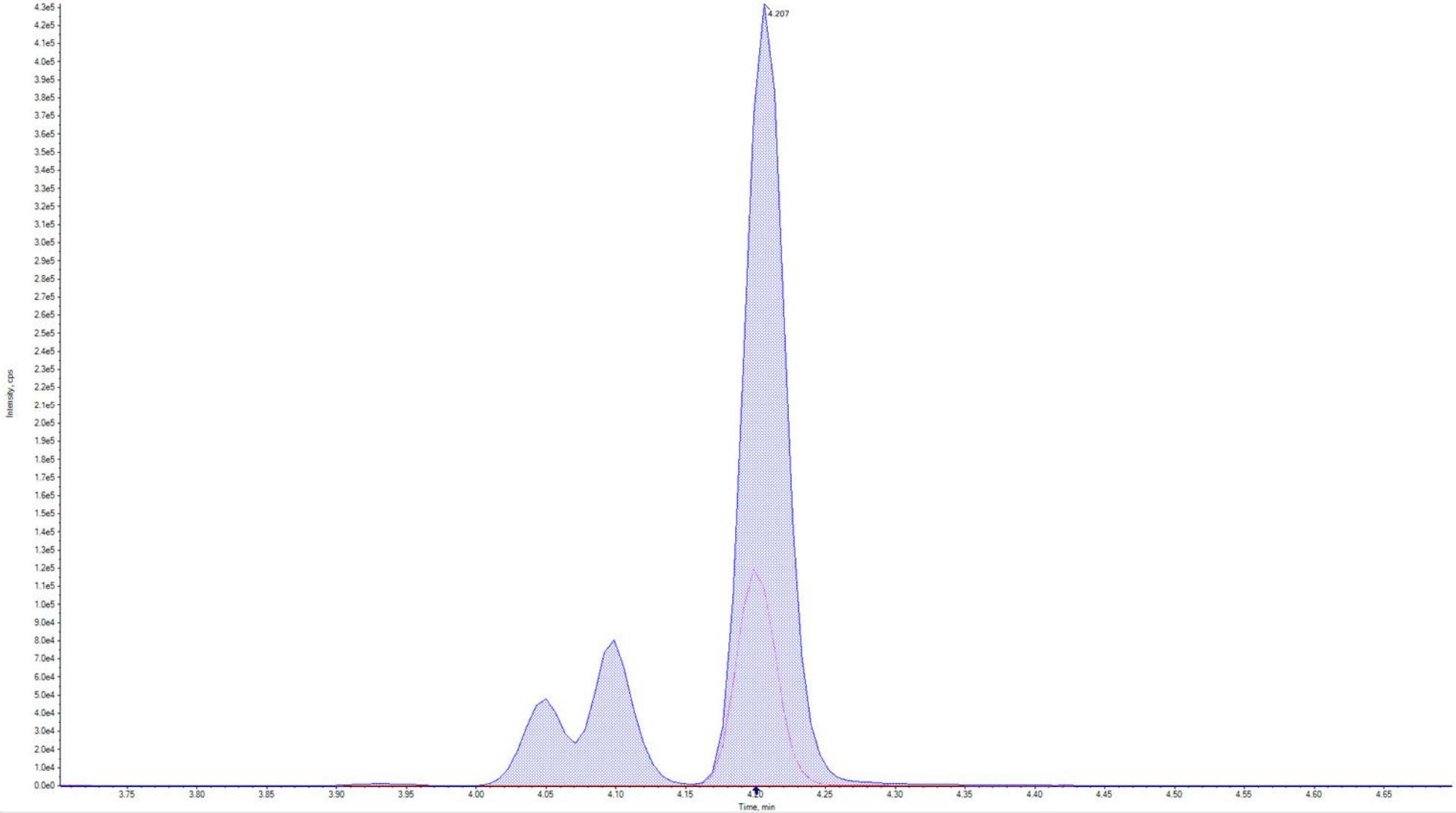
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSAA
Sample: IA1633STD-50 S/N:938.1 Points Across peak:45



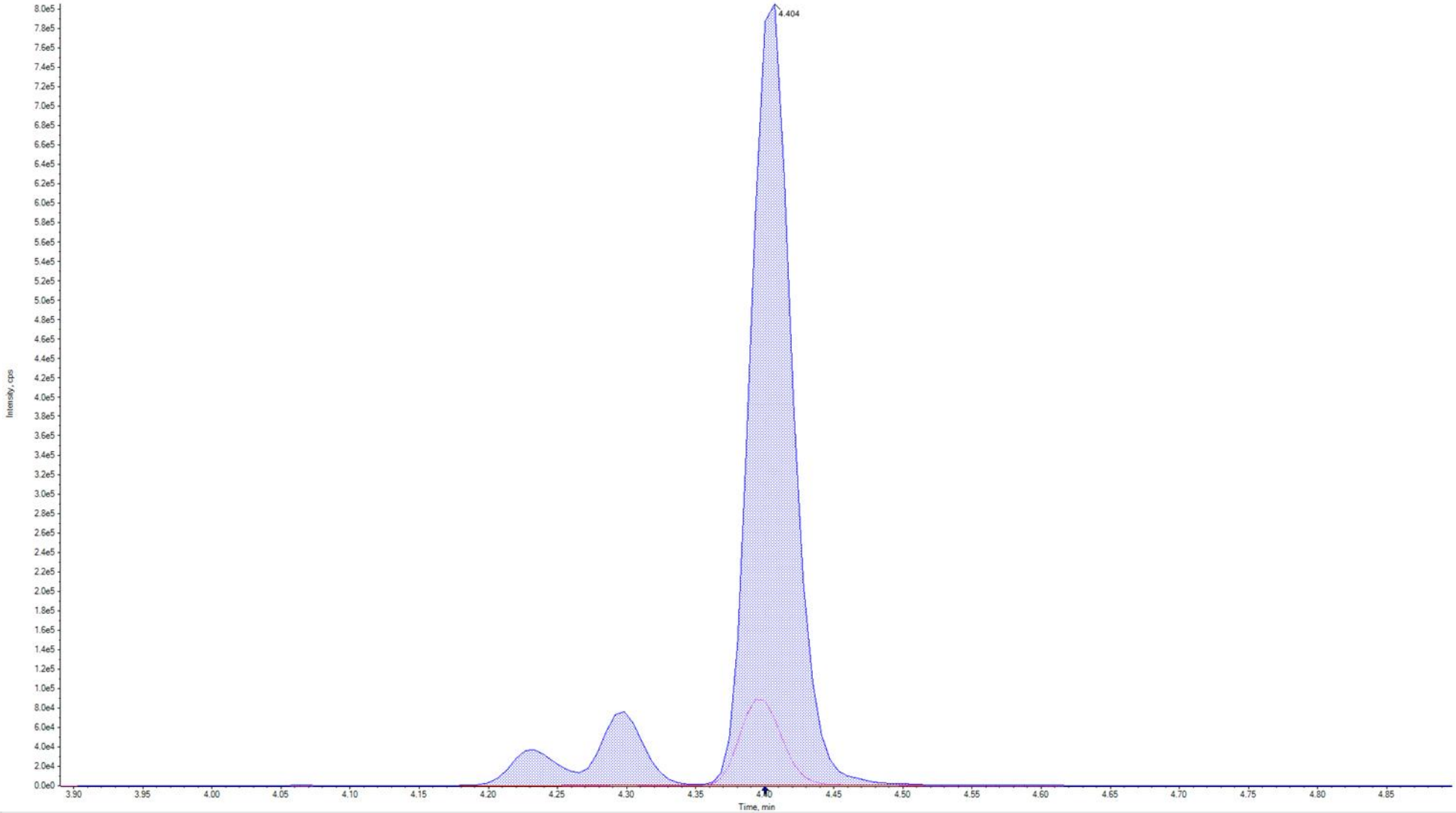
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSAA_2
Sample: IA1633STD-50 S/N:560.8 Points Across peak:69



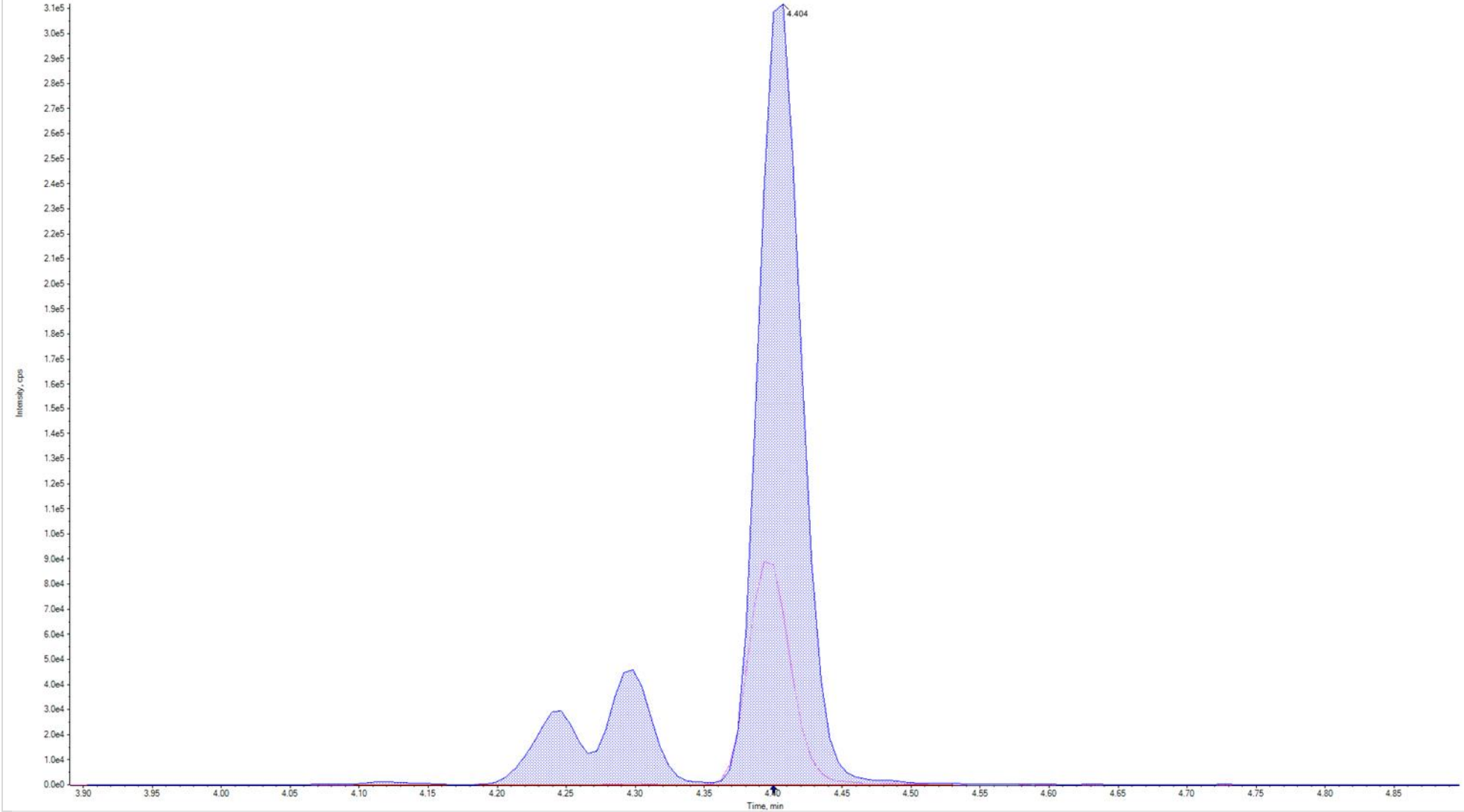
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSAA
Sample: IA1633STD-50 S/N:797.3 Points Across peak:57



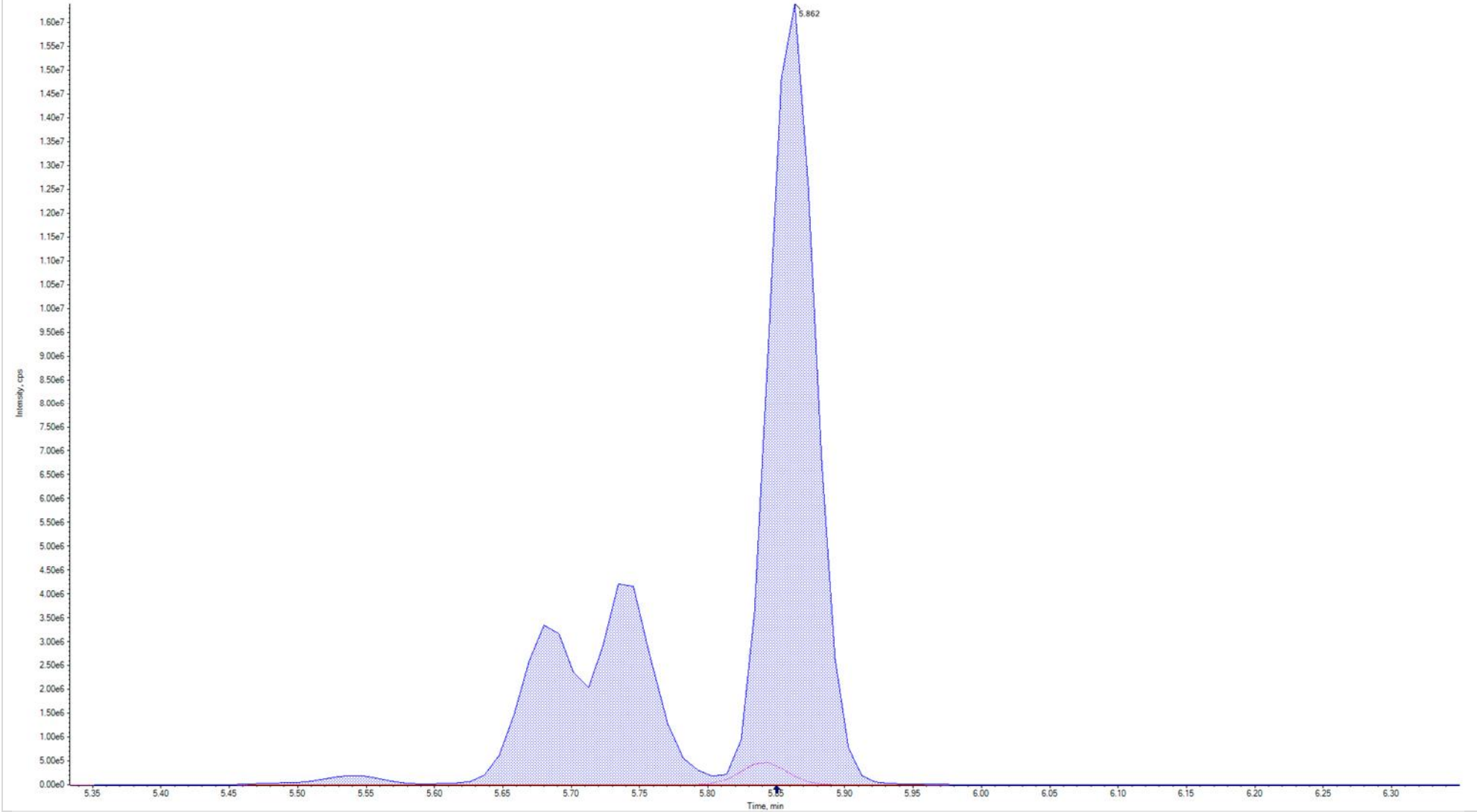
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSAA_2
Sample: IA1633STD-50 S/N:506.7 Points Across peak:68



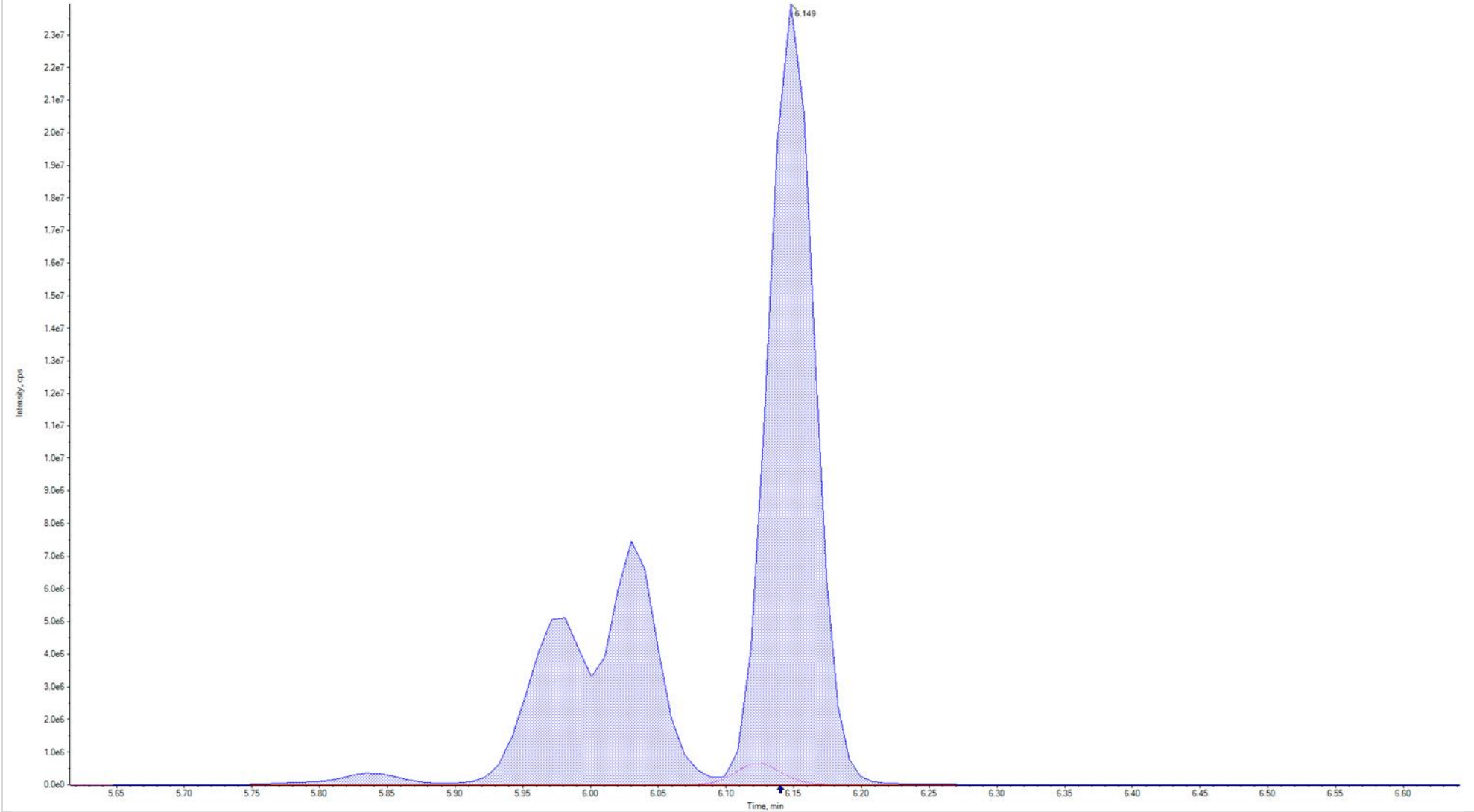
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSE
Sample: IA1633STD-50 S/N:230.4 Points Across peak:50



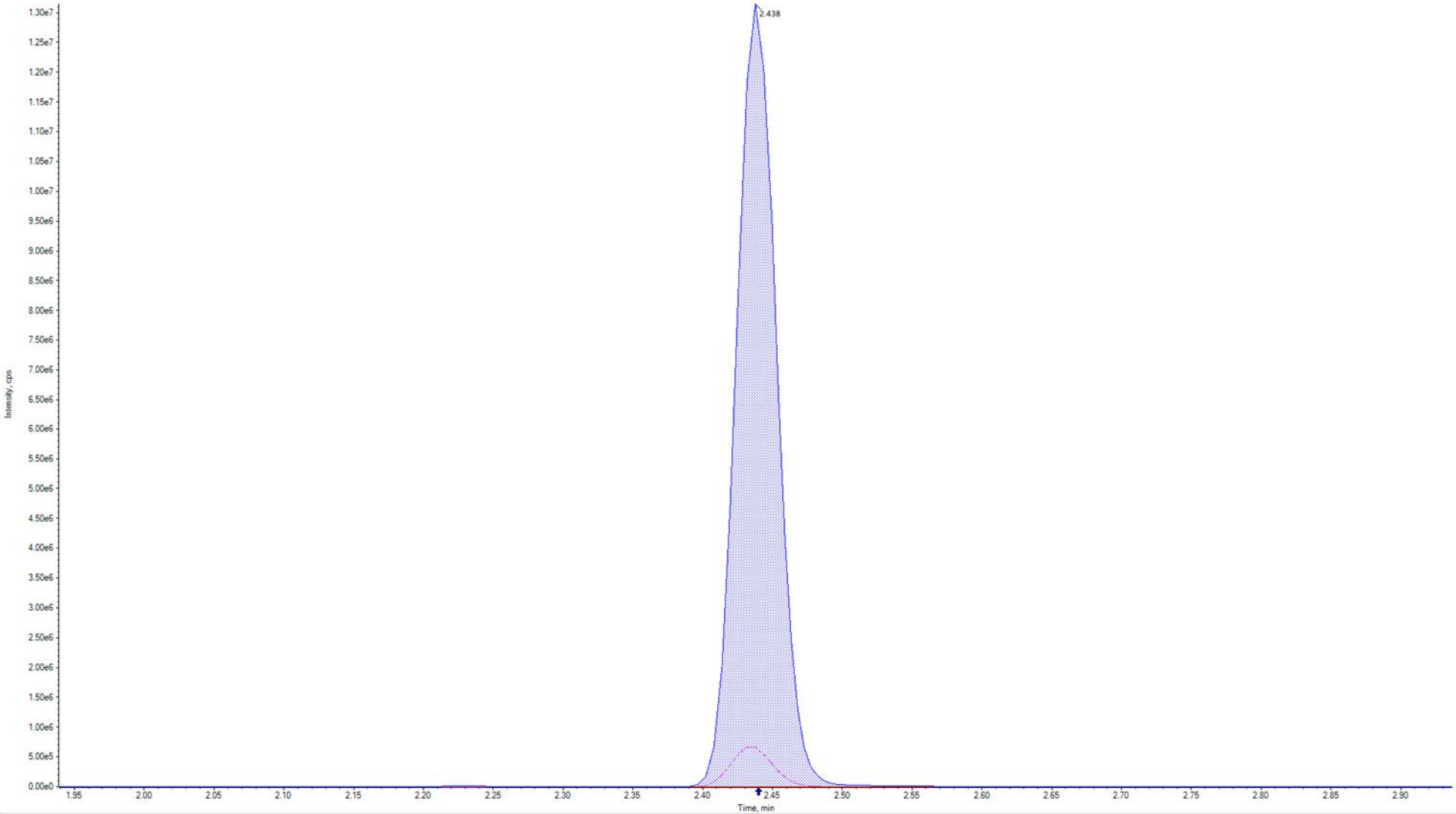
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSE
Sample: IA1633STD-50 S/N:423.0 Points Across peak:76



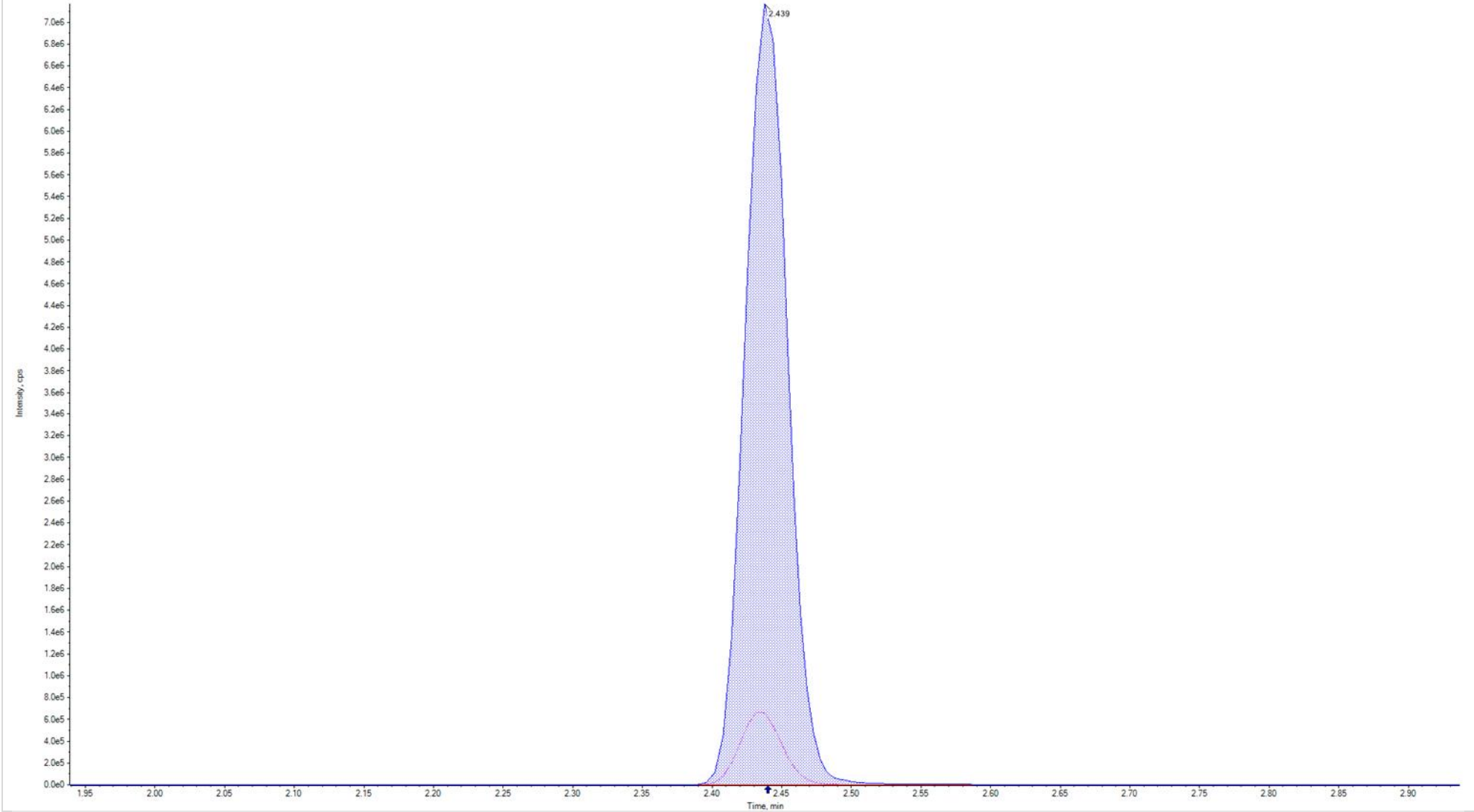
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

HFPO-DA
Sample: IA1633STD-50 S/N:7975.4 Points Across peak:64



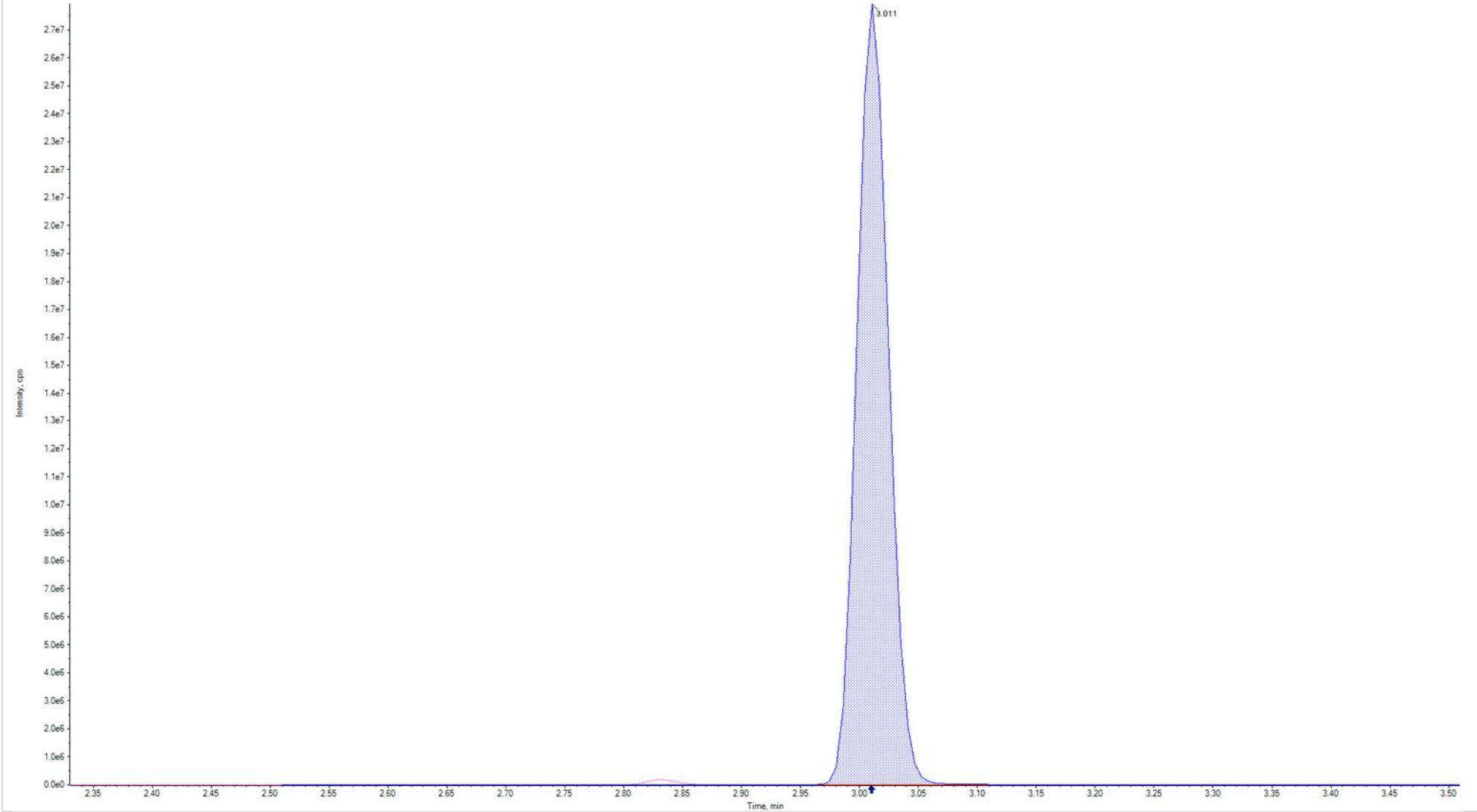
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

HFPO-DA_2
Sample: IA1633STD-50 S/N:61522.0 Points Across peak:59



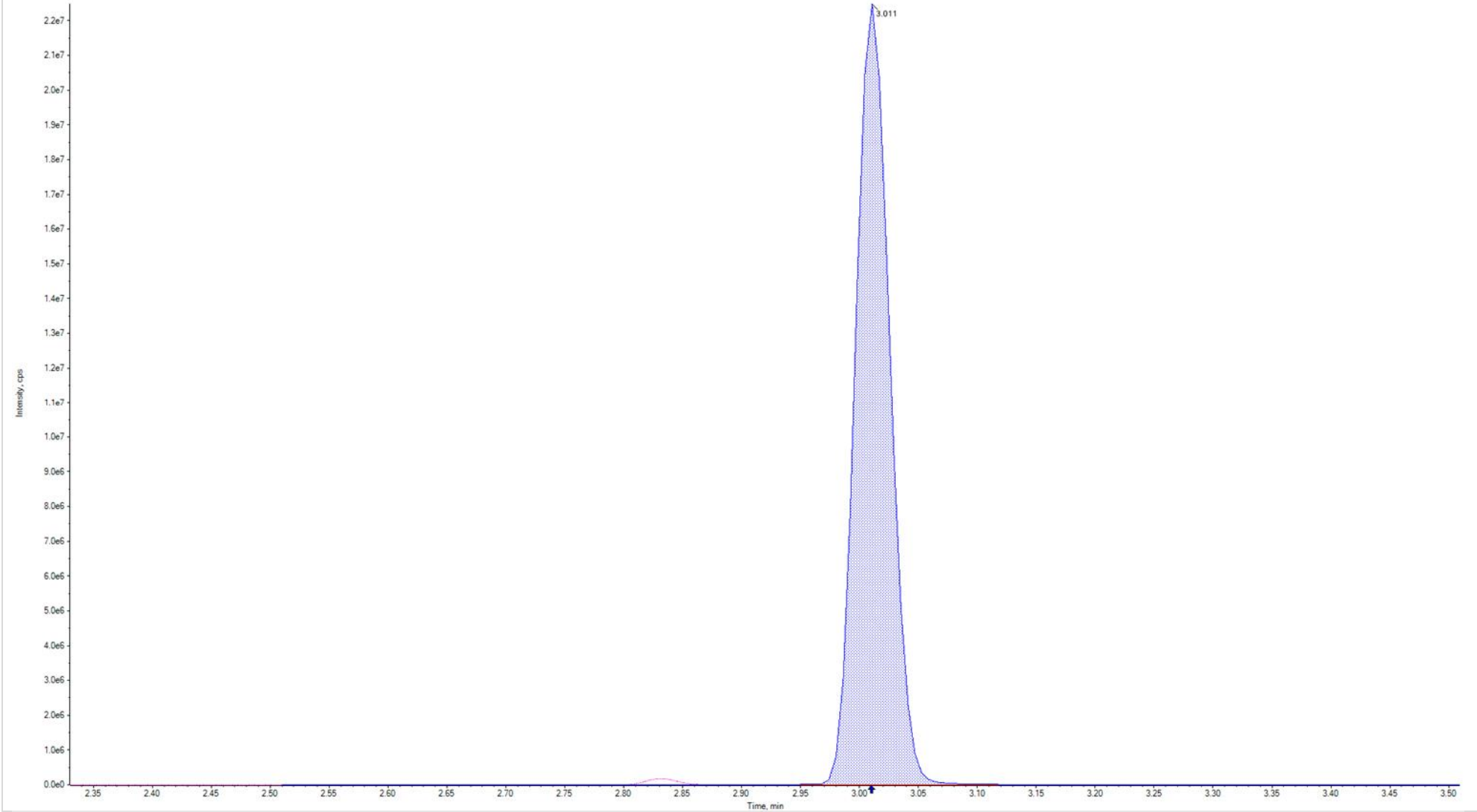
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

ADONA
Sample: IA1633STD-50 S/N:63347.4 Points Across peak:40



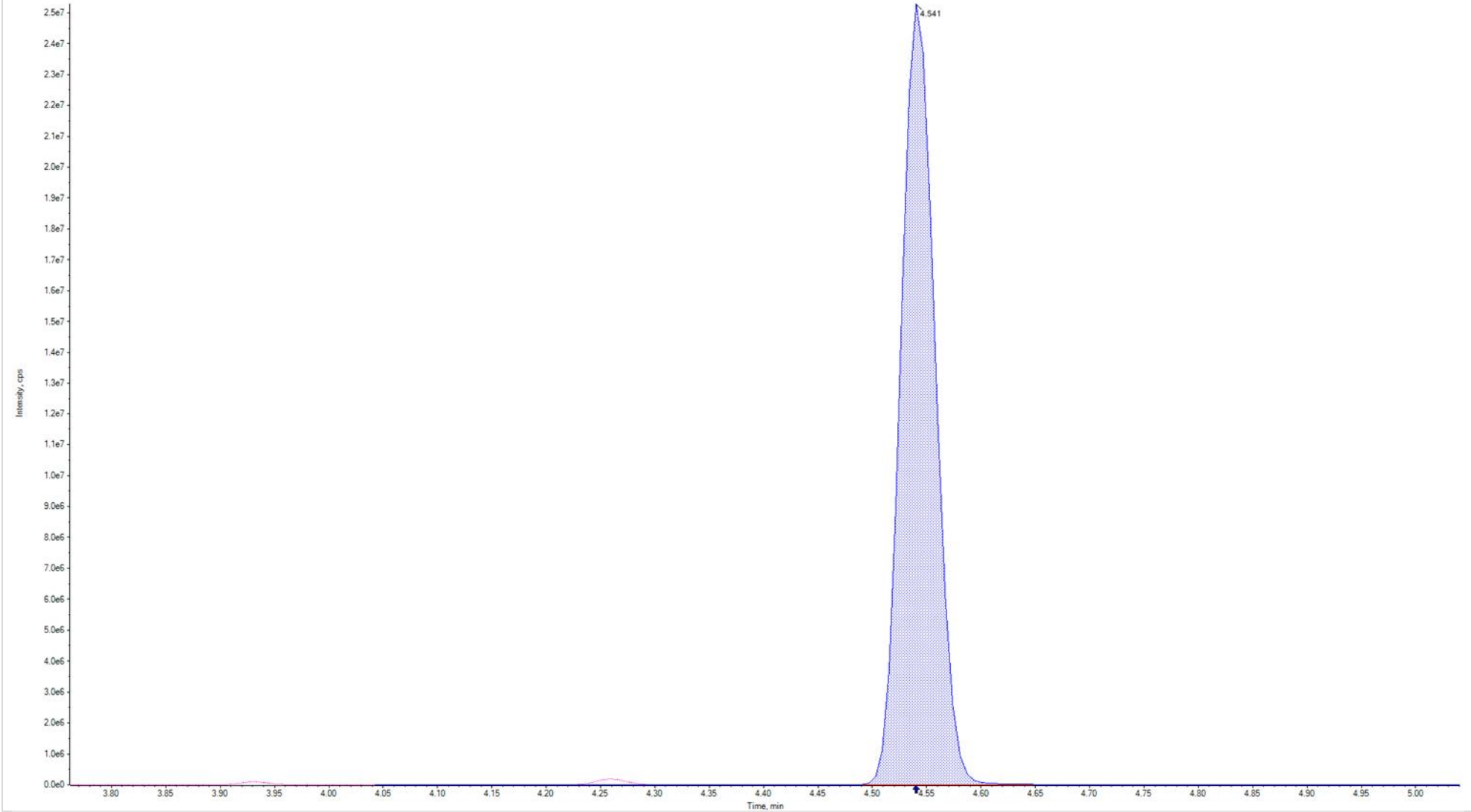
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

ADONA_2
Sample: IA1633STD-50 S/N:286193.0 Points Across peak:51



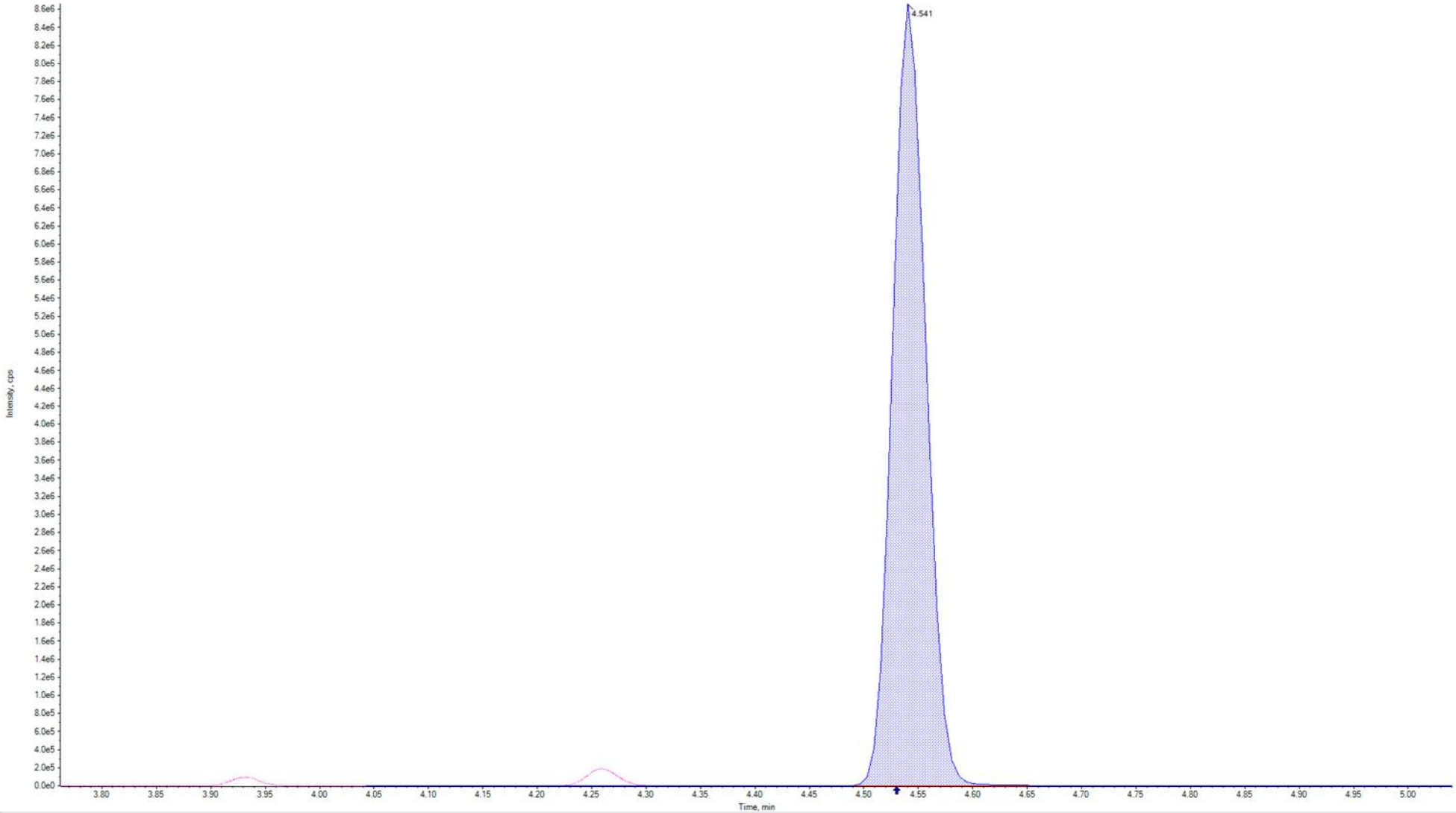
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

9Cl-PF3ONS
Sample: IA1633STD-50 S/N:326637.1 Points Across peak:50



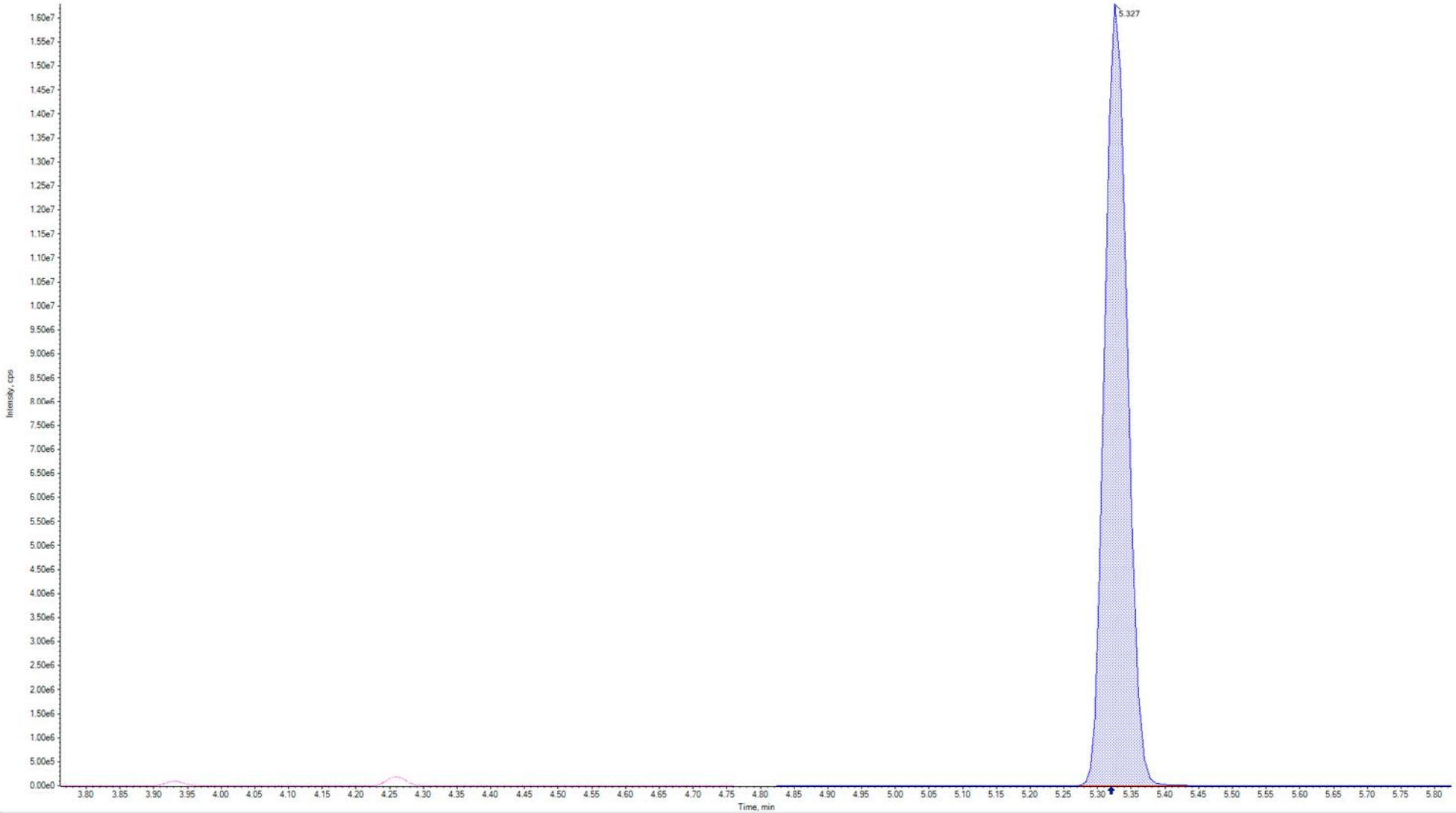
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

9Cl-PF3ONS_2
Sample: IA1633STD-50 S/N:8493.0 Points Across peak:38



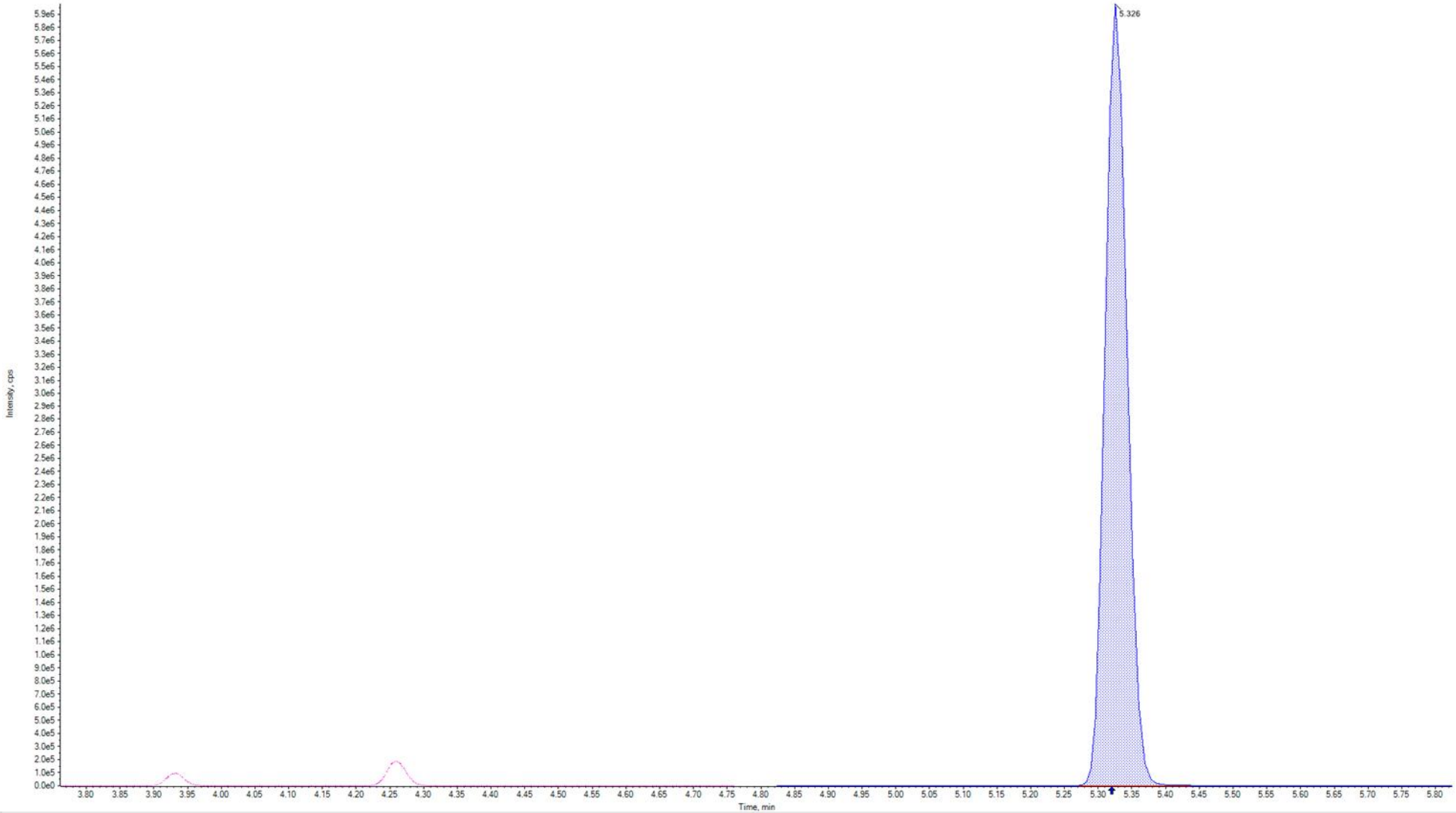
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

11Cl-PF3OUdS
Sample: IA1633STD-50 S/N:15051.2 Points Across peak:37



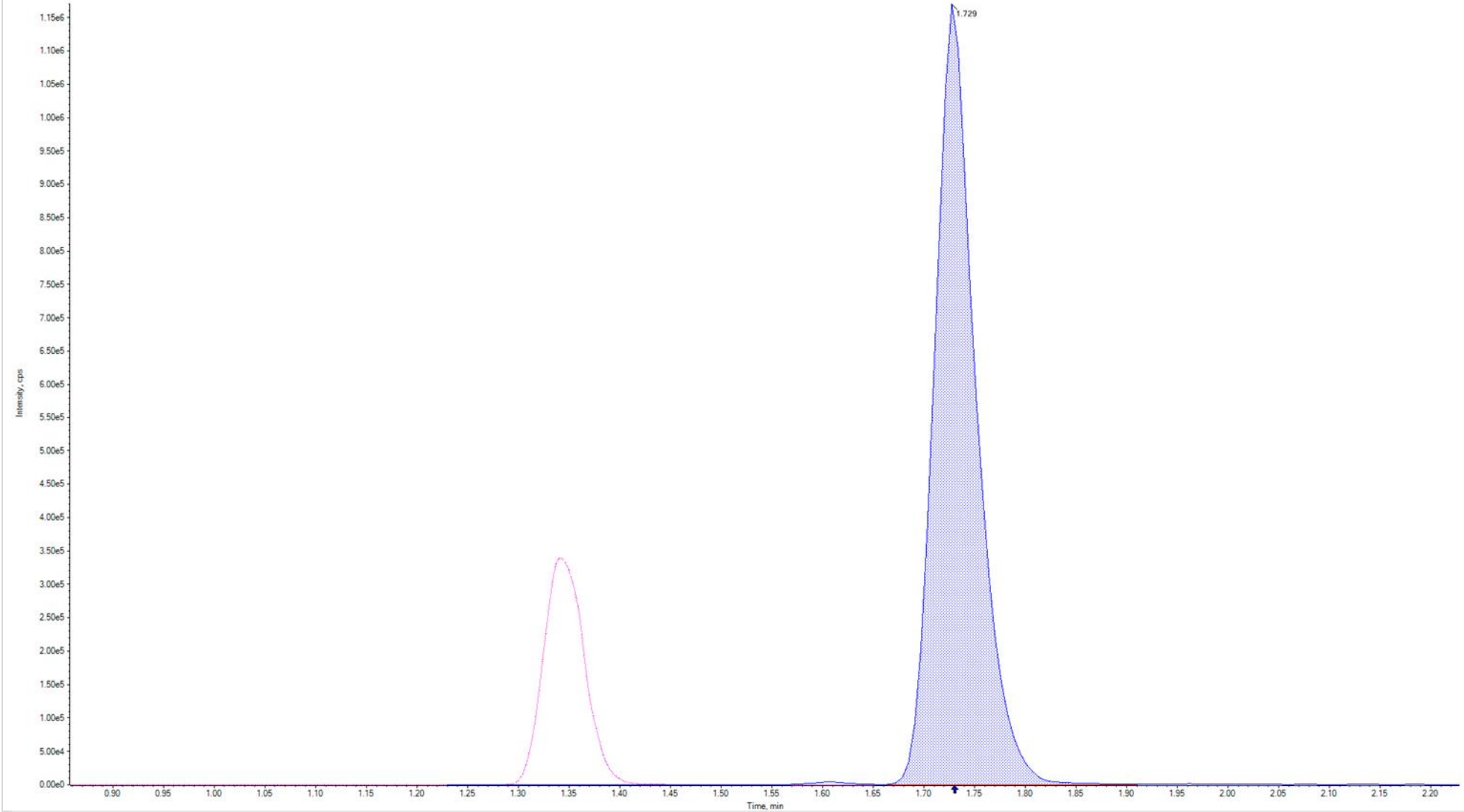
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-50 S/N:284737.2 Points Across peak:38



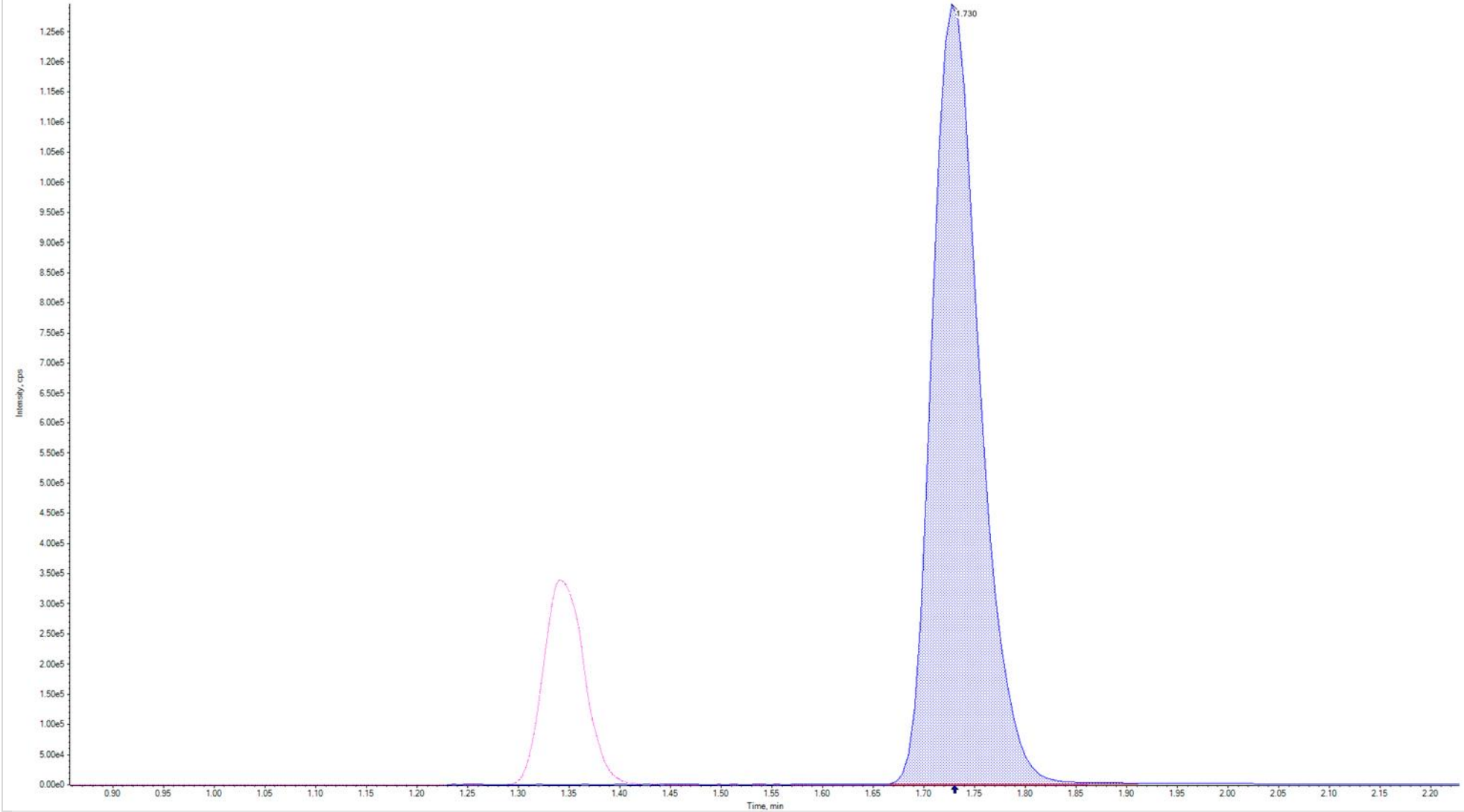
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

3:3FTCA
Sample: IA1633STD-50 S/N:3661.7 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

3:3FTCA_2
Sample: IA1633STD-50 S/N:3893.8 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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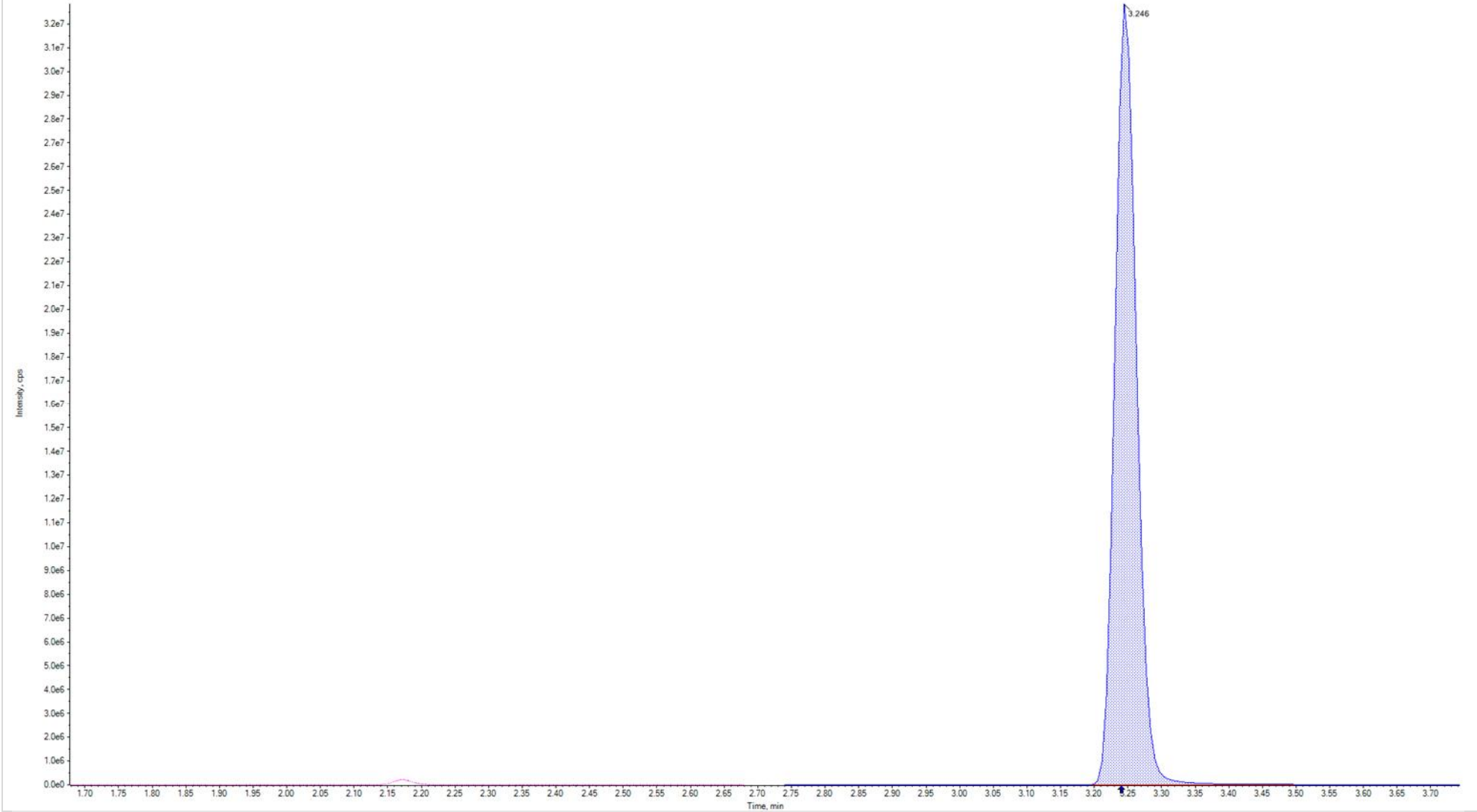
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

5:3FTCA
Sample: IA1633STD-50 S/N:132127.0 Points Across peak:64



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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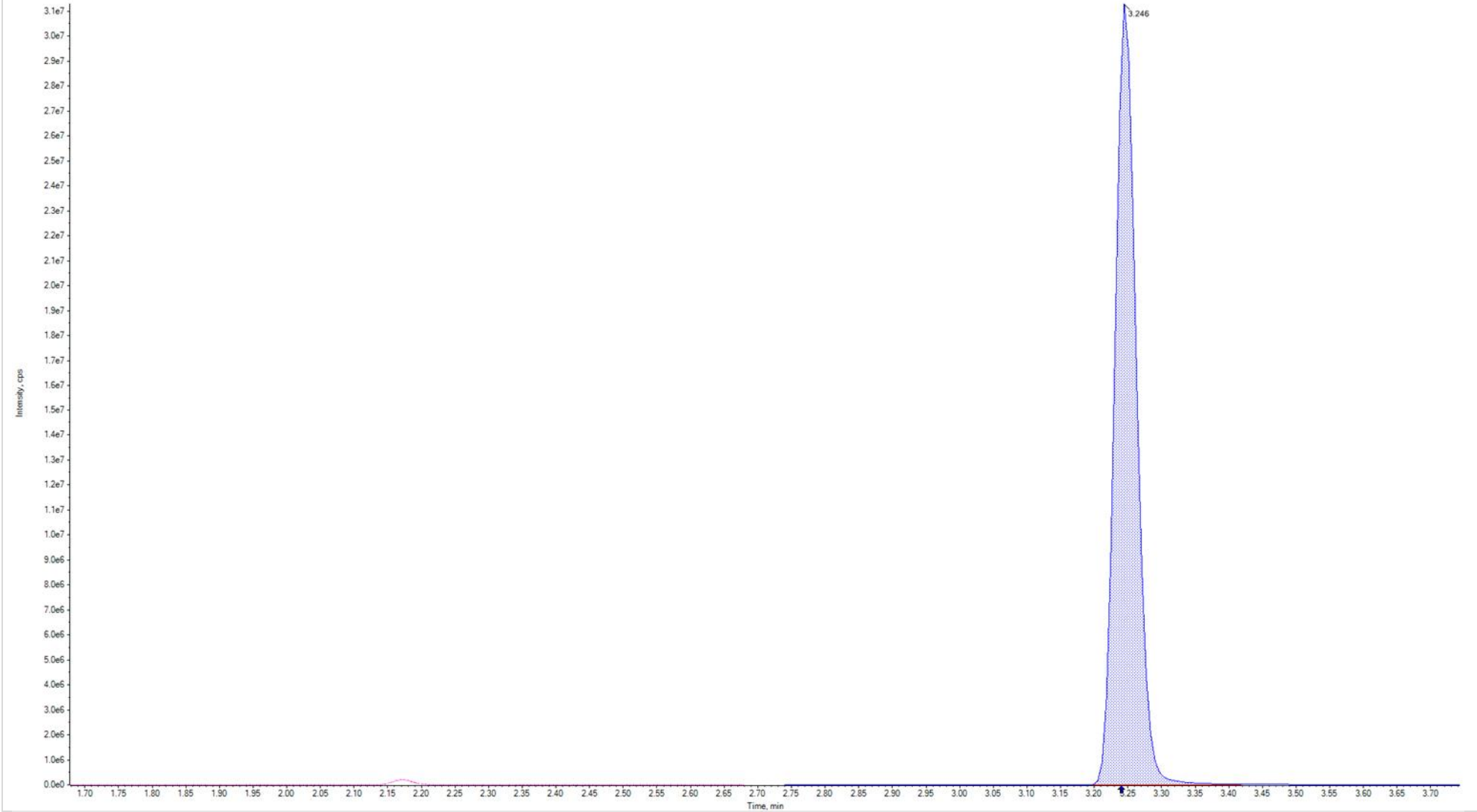
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

5:3FTCA_2
Sample: IA1633STD-50 S/N:61102.2 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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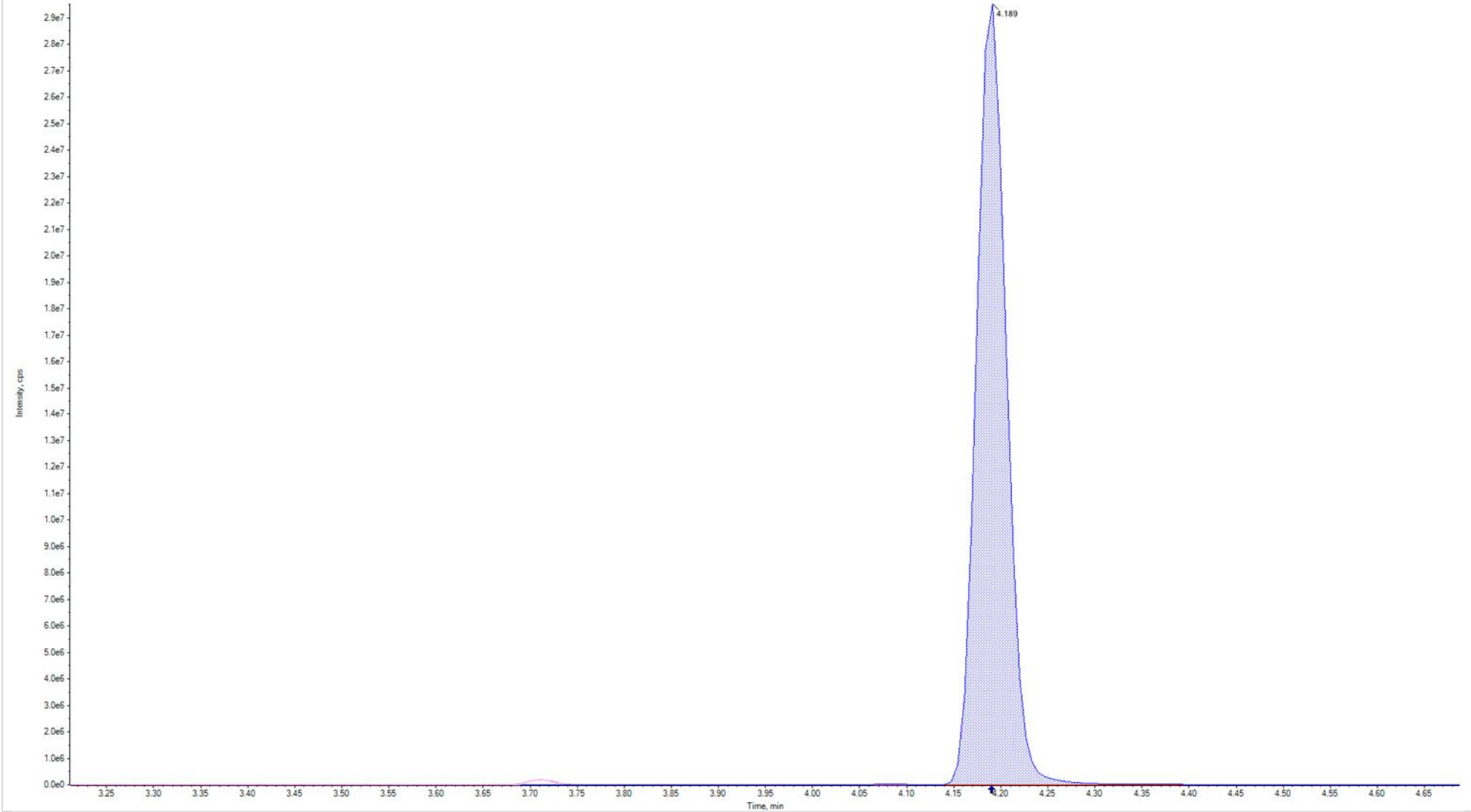
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

7:3FTCA
Sample: IA1633STD-50 S/N:26929.7 Points Across peak:52



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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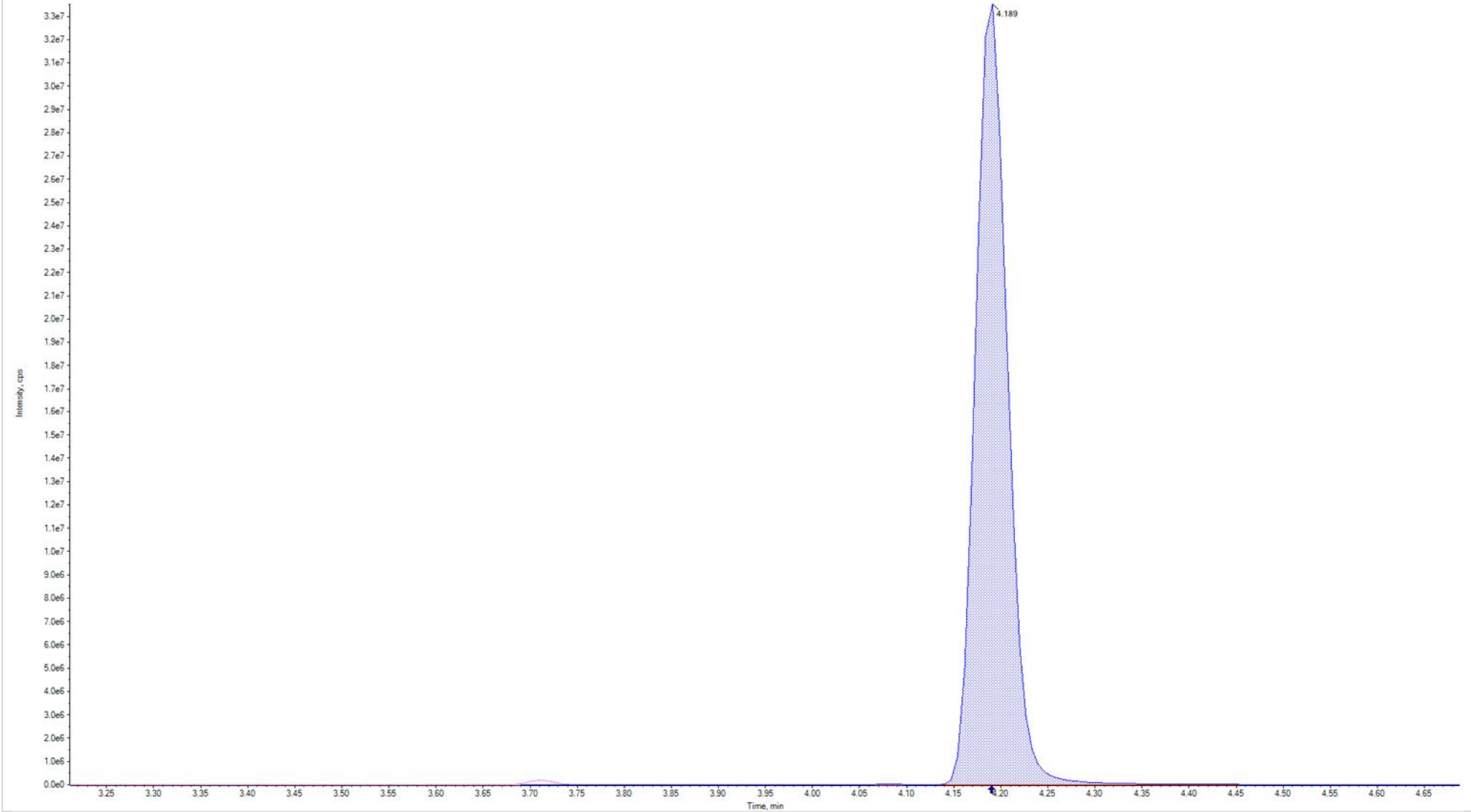
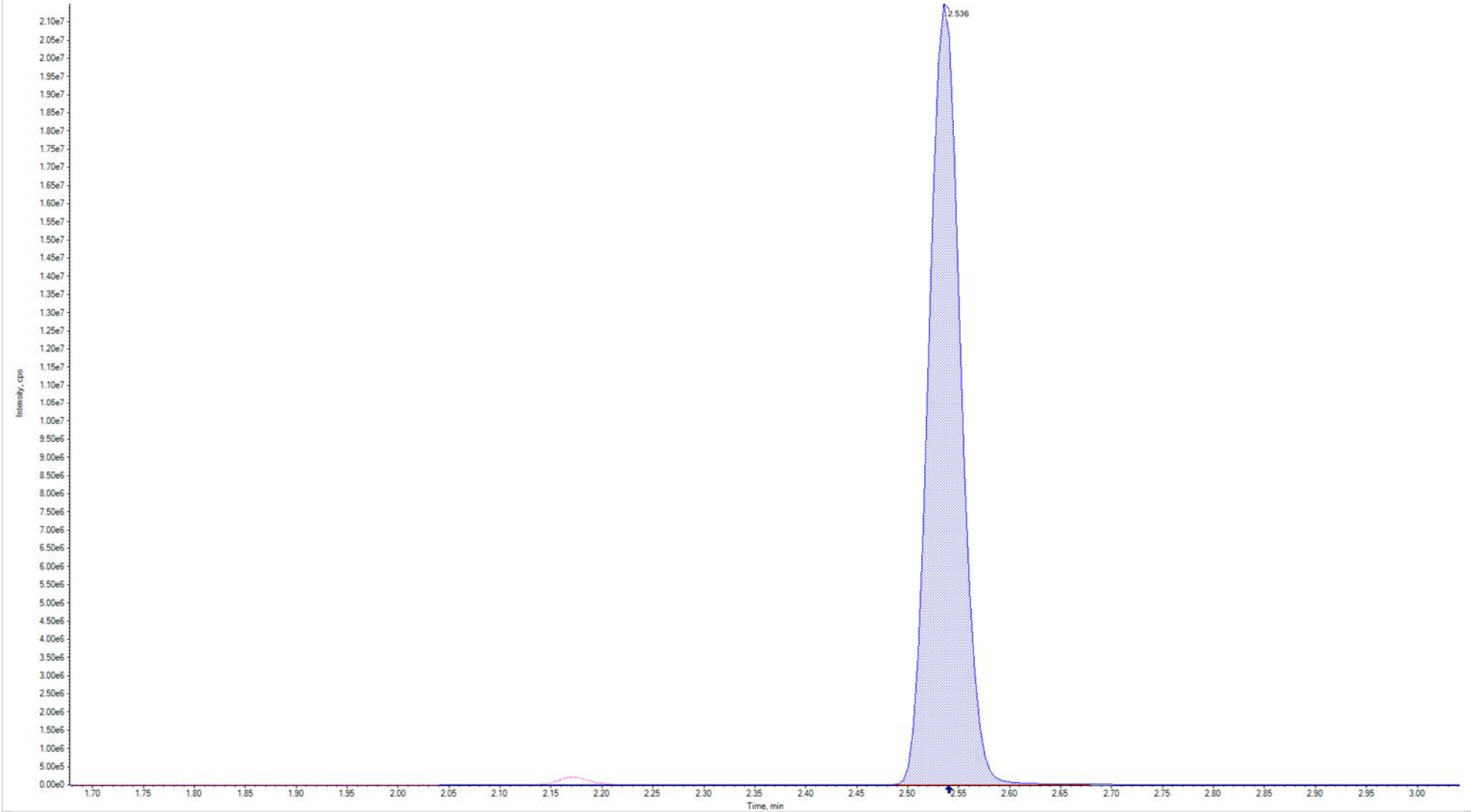
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

7:3FTCA_2
Sample: IA1633STD-50 S/N:31115.6 Points Across peak:55



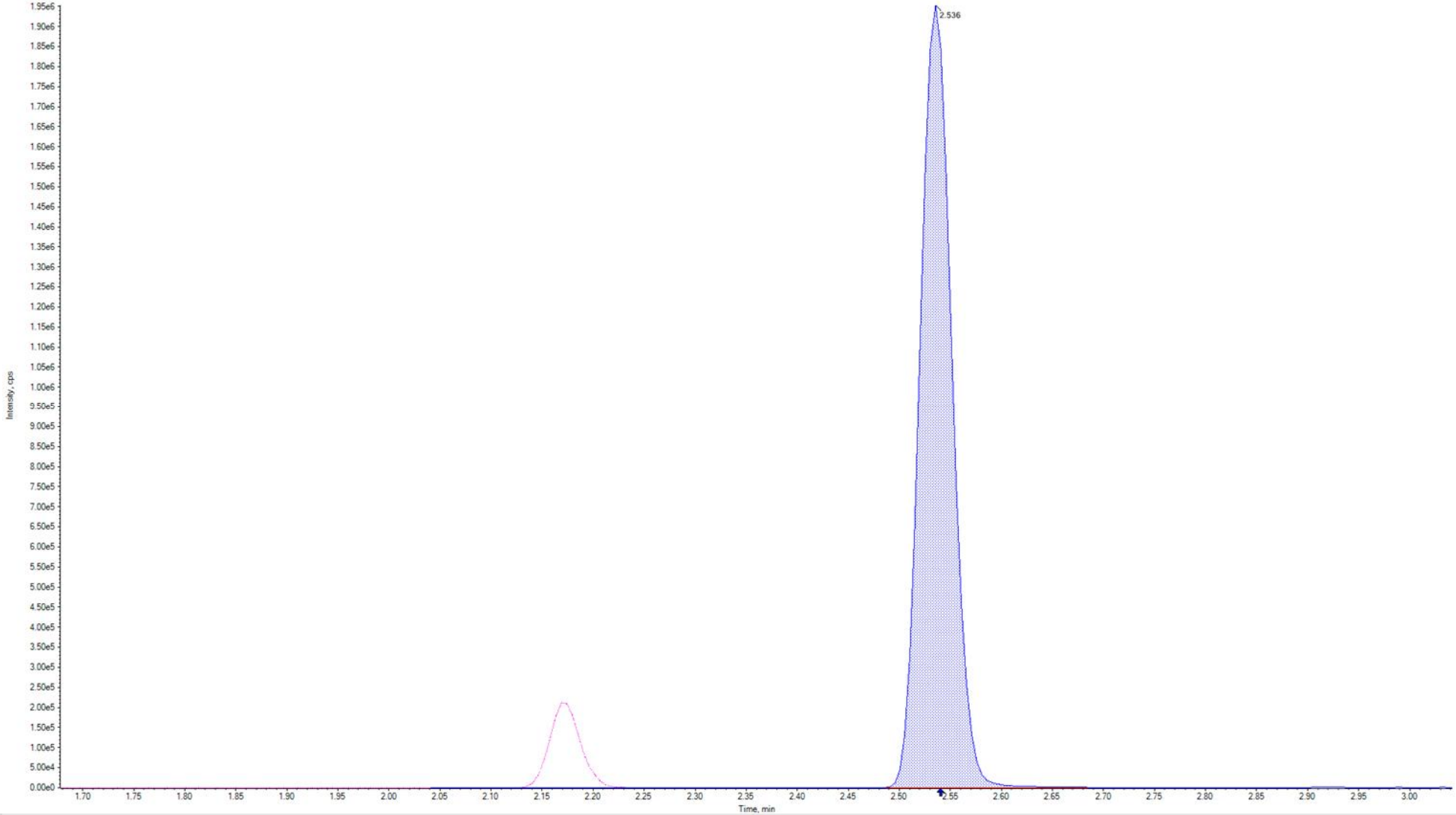
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFEESA
Sample: IA1633STD-50 S/N:125458.5 Points Across peak:42



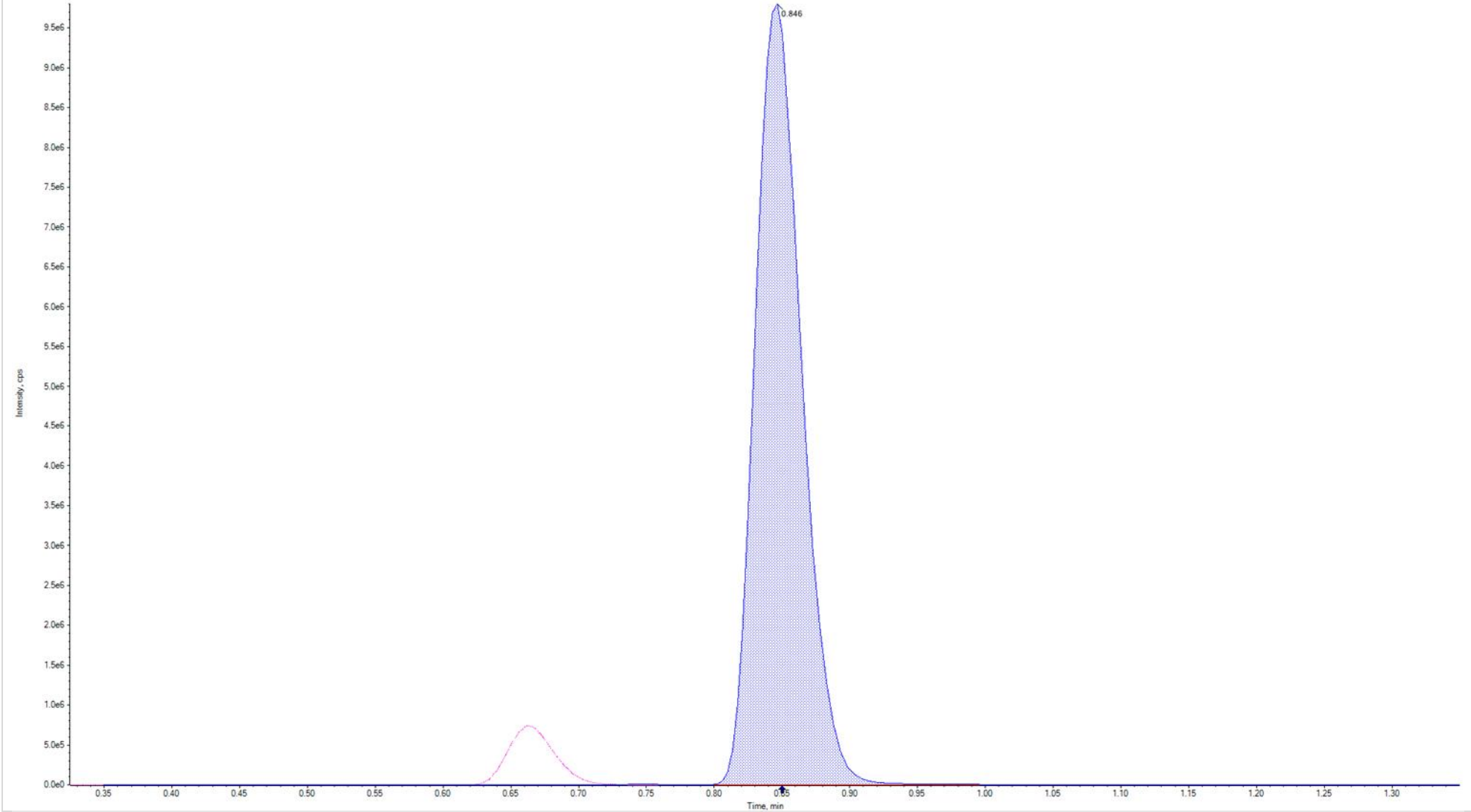
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFEESA_2
Sample: IA1633STD-50 S/N:44048.1 Points Across peak:43



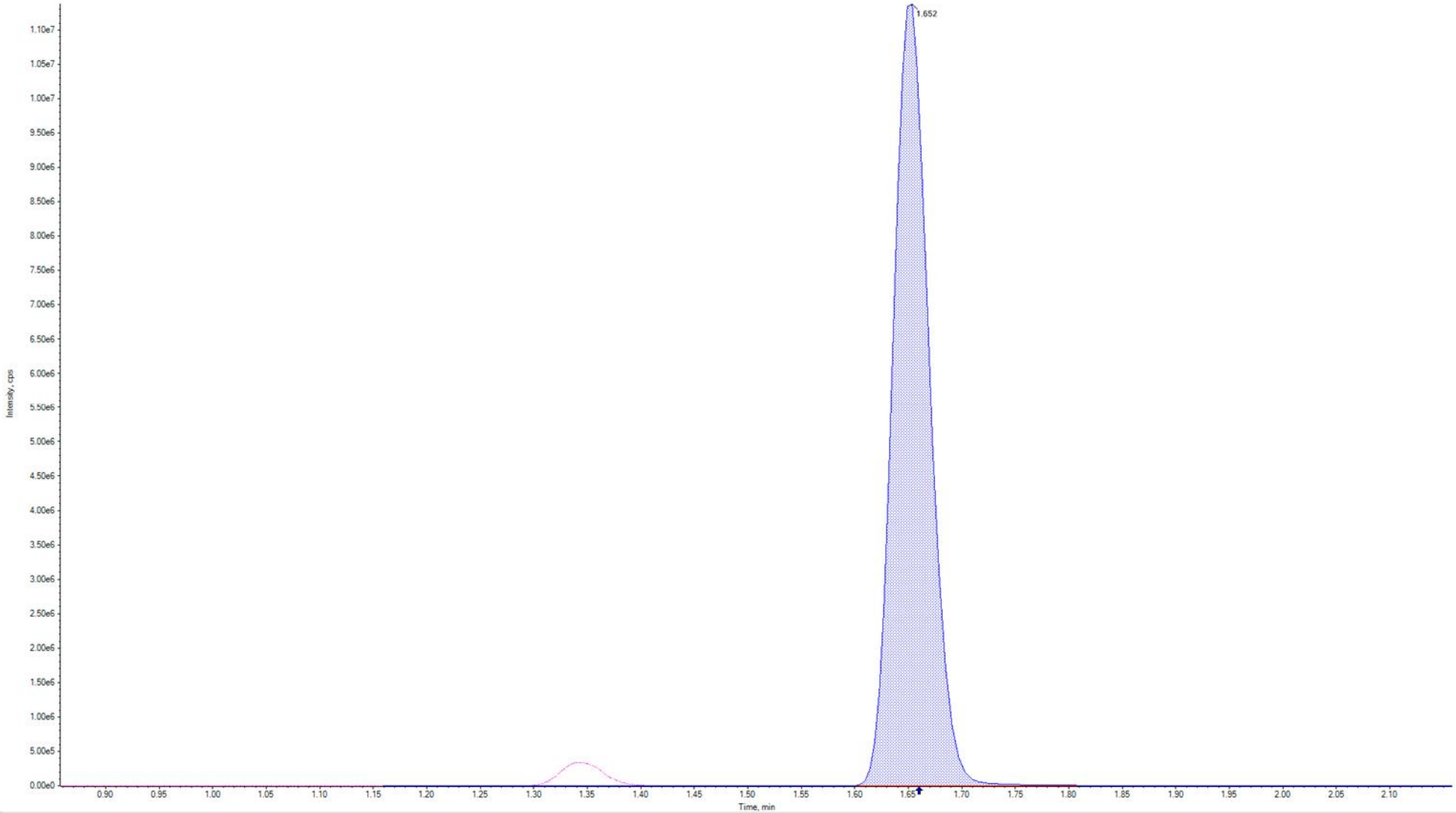
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFMPA
Sample: IA1633STD-50 S/N:33096.2 Points Across peak:61



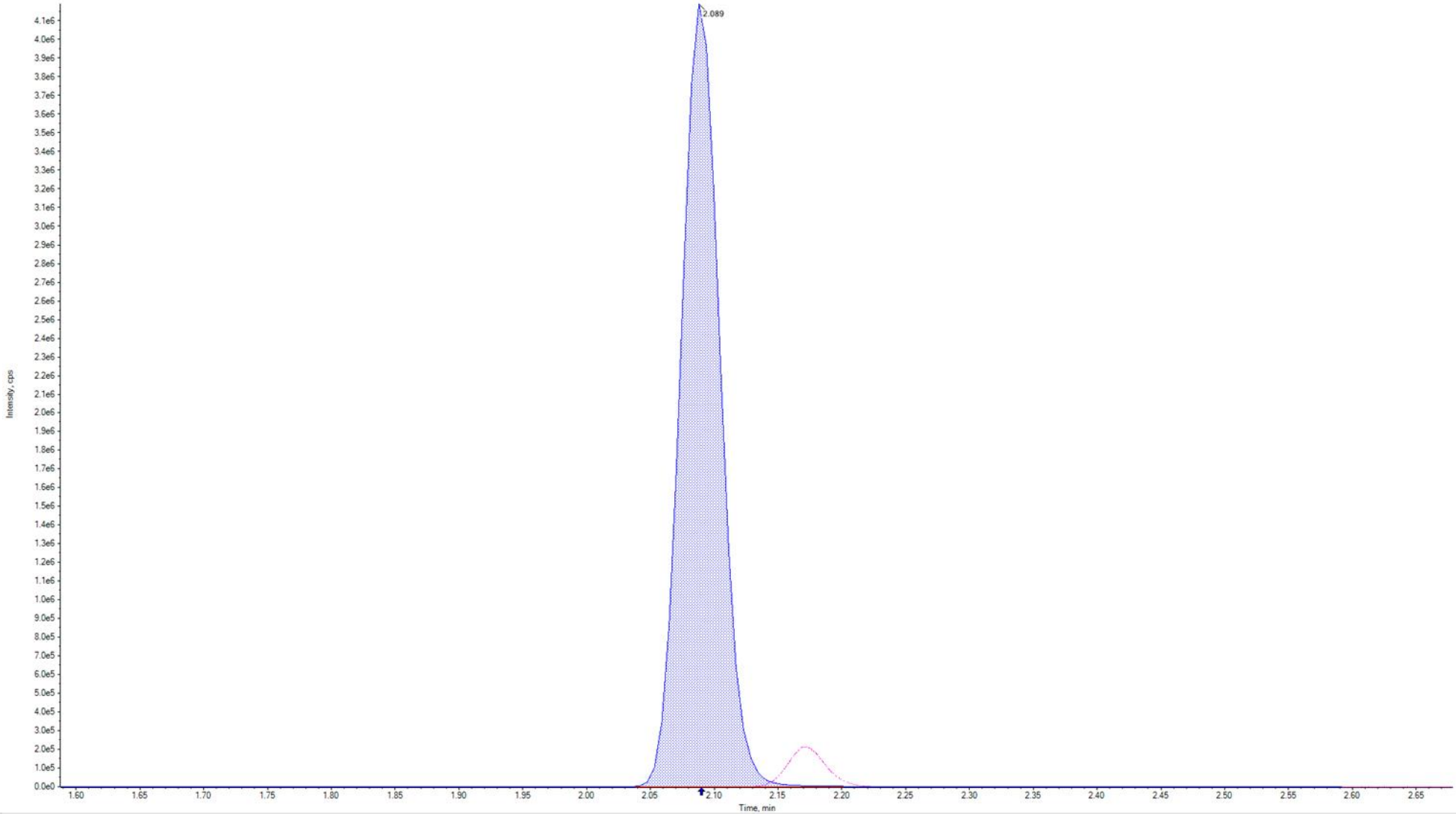
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

PFMBA
Sample: IA1633STD-50 S/N:75411.1 Points Across peak:54



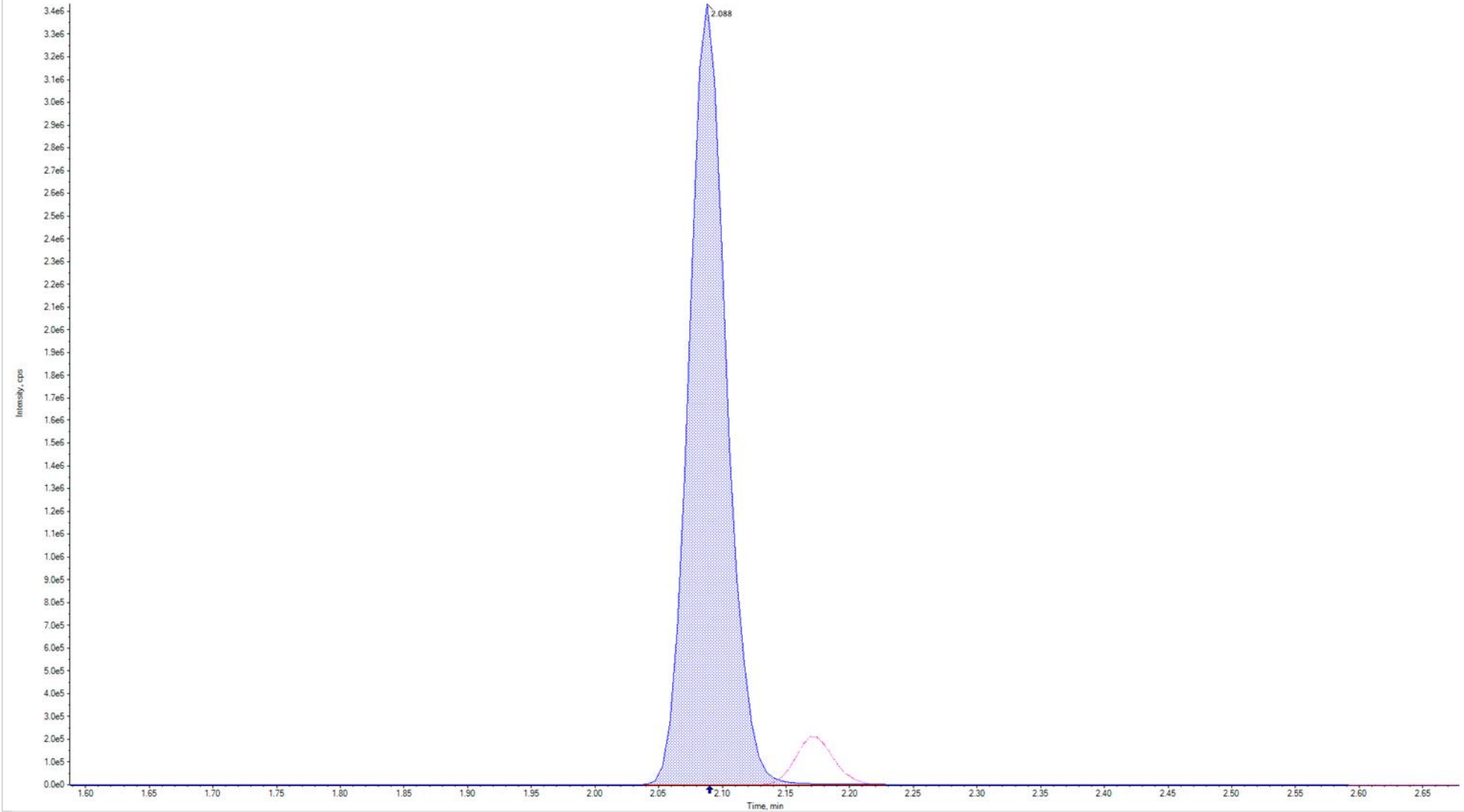
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NFDHA
Sample: IA1633STD-50 S/N:13694.7 Points Across peak:37



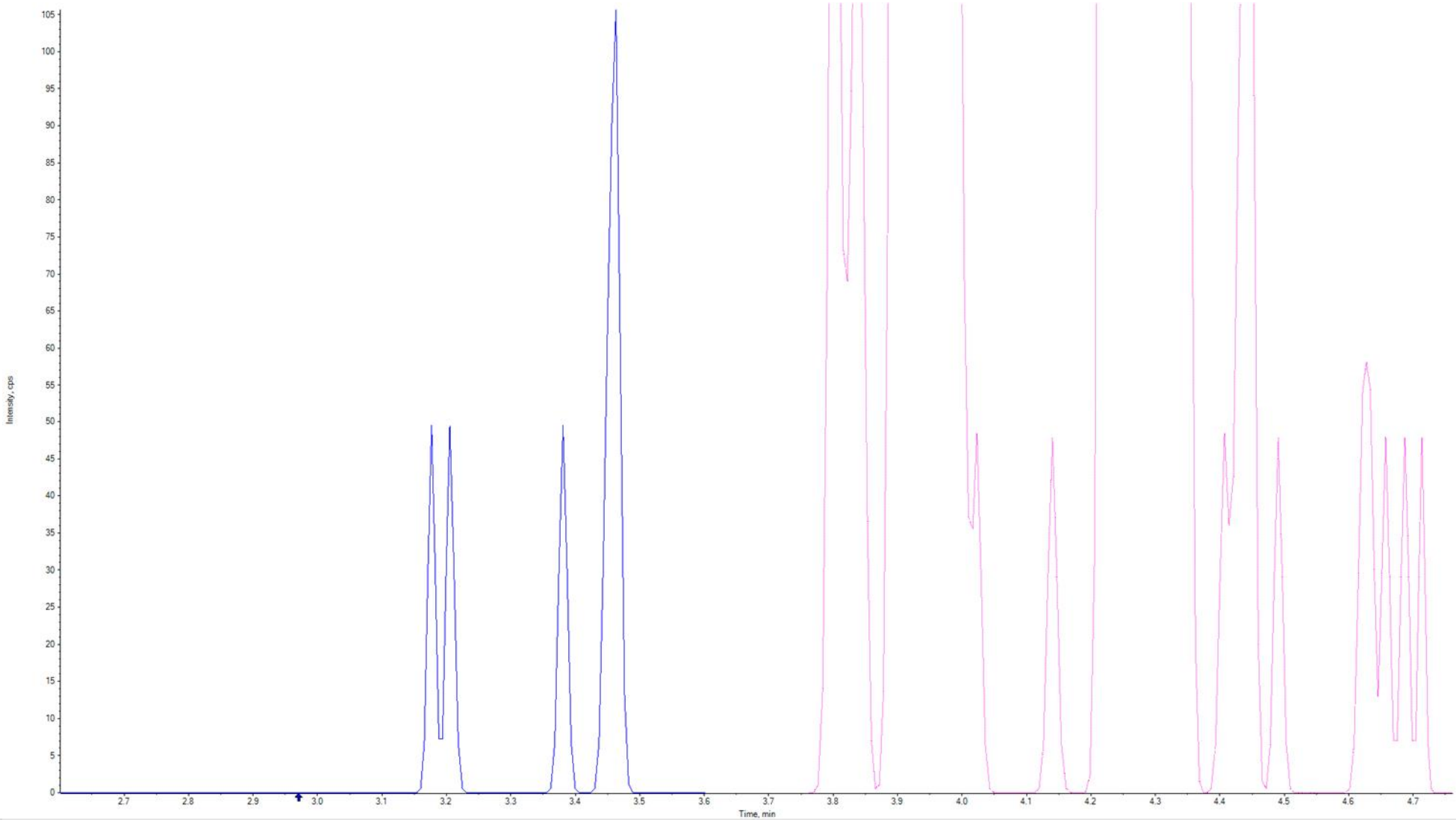
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

NFDHA_2
Sample: IA1633STD-50 S/N:94643.0 Points Across peak:46

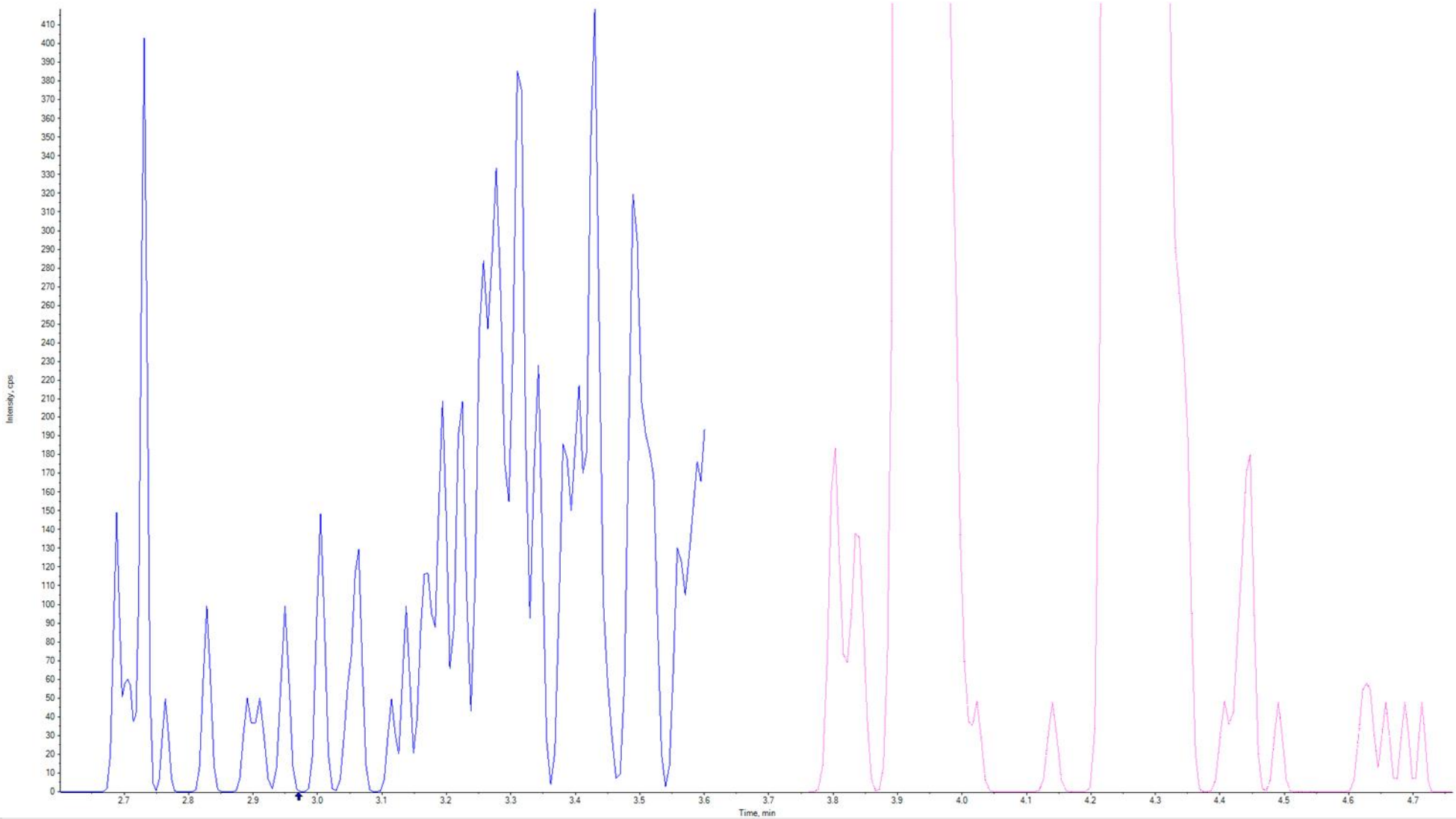


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

TDCA
Sample: IA1633STD-50 S/N:N/A Points Across peak:N/A

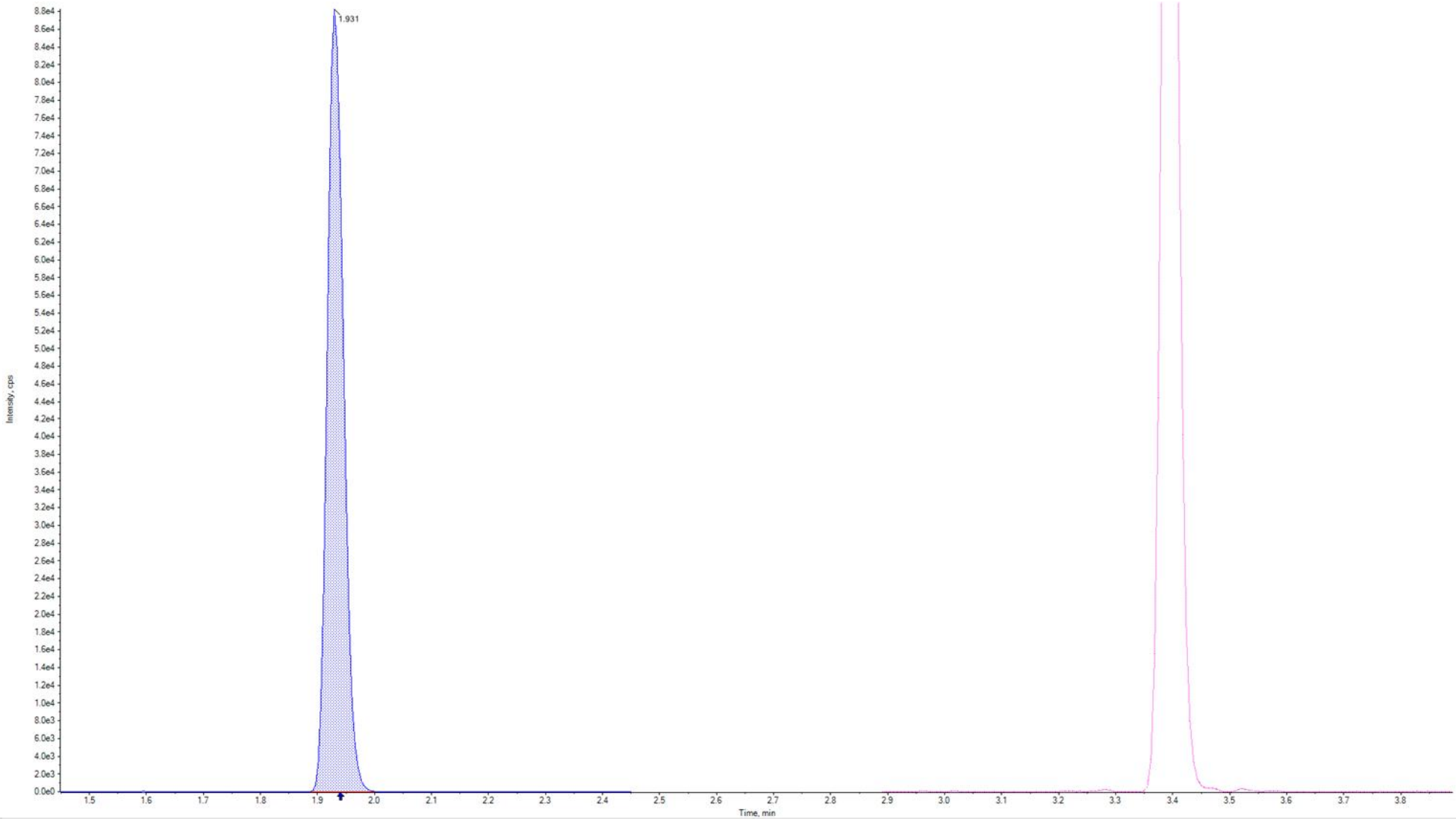


TDCA_2
Sample: IA1633STD-50 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_14.wiff2_7
Last Altered: 11/15/2024 3:19:49 PM
Generated: 11/15/2024 2:54:34 PM

13C2D4-4:2FTS
Sample: IA1633STD-50 S/N:3318.6 Points Across peak:34



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Alpha Analytical LLC
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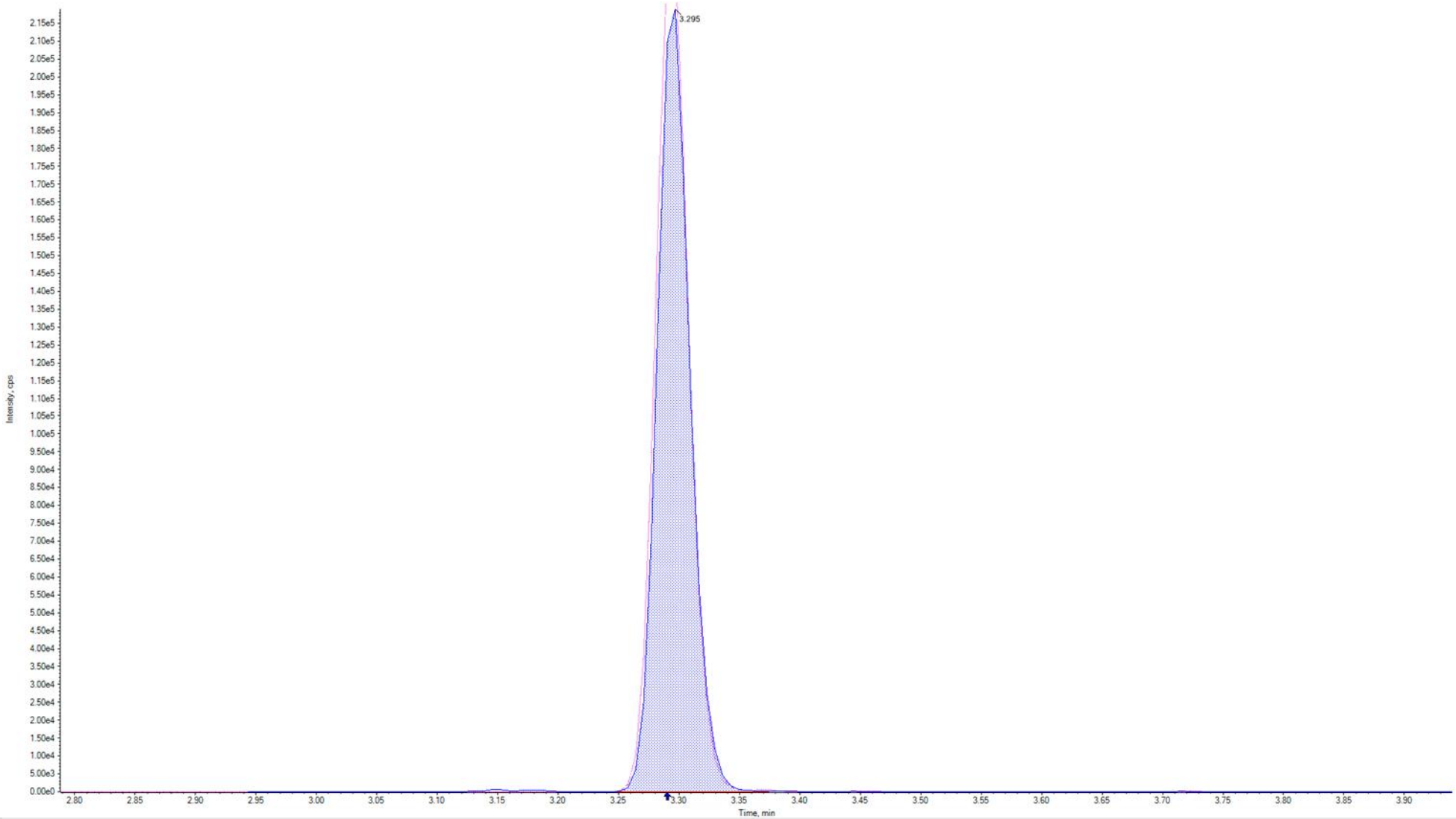
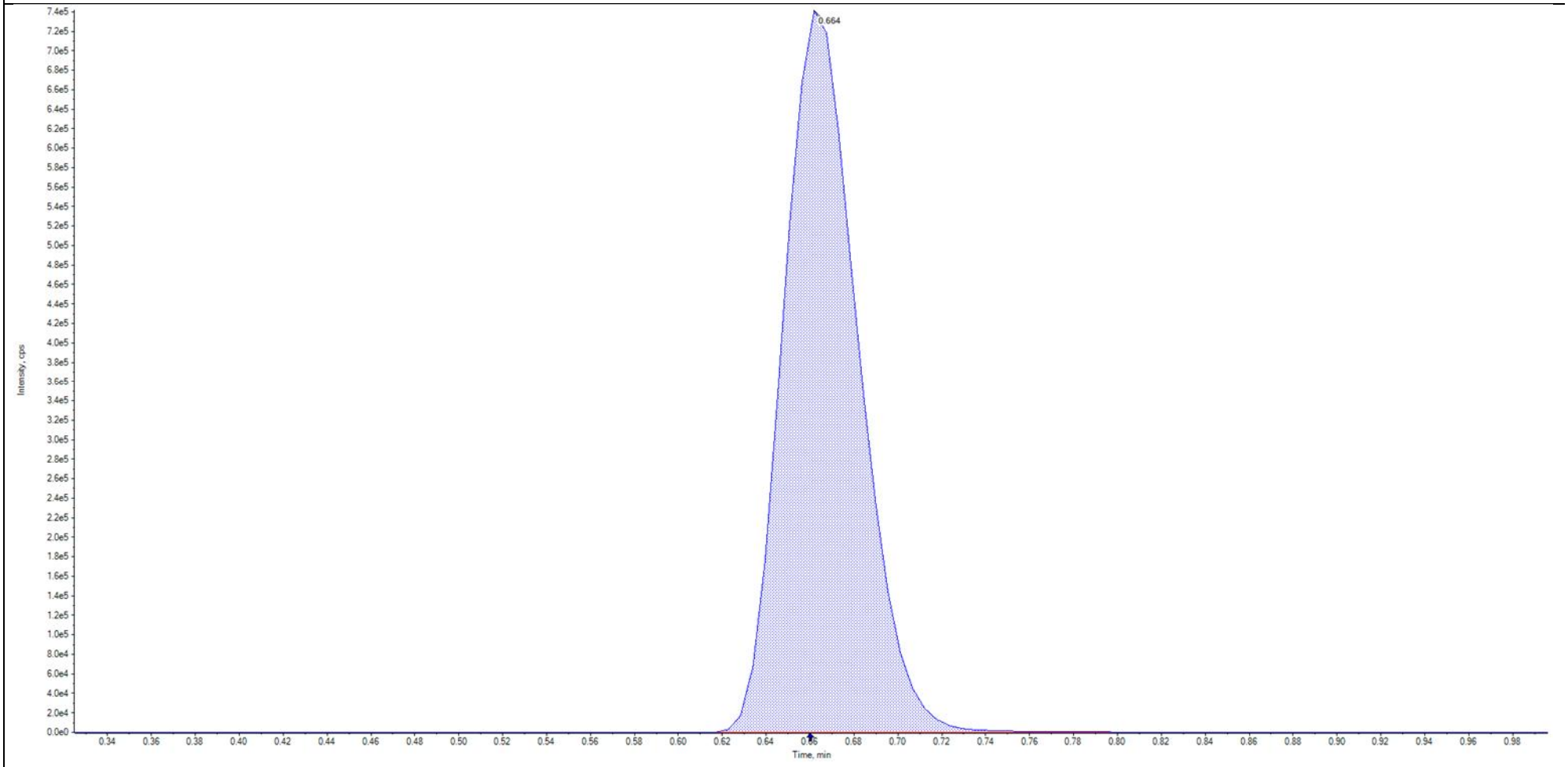
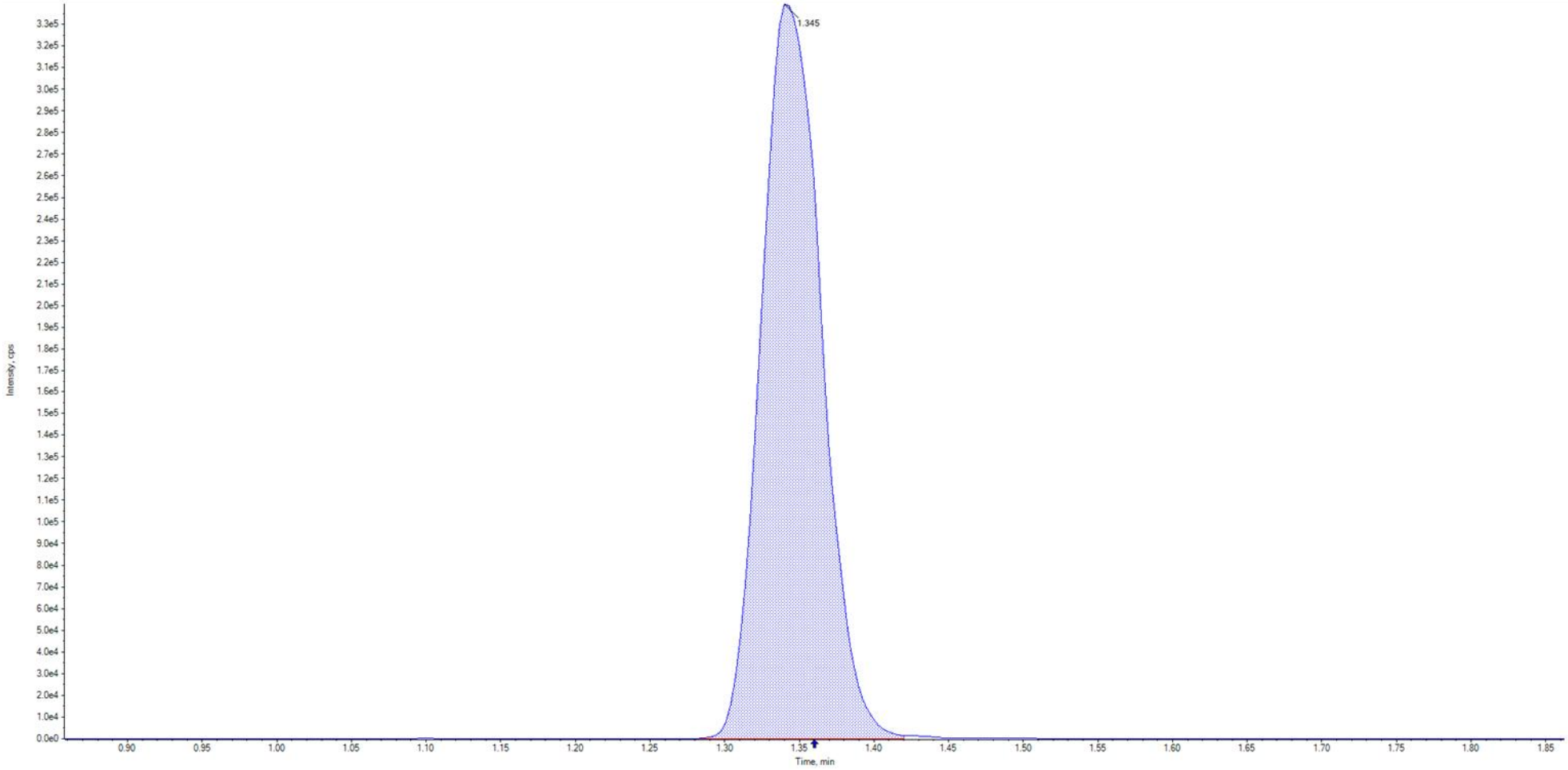
13C2-PFOA
Sample: IA1633STD-50 S/N:4075.8 Points Across peak:23



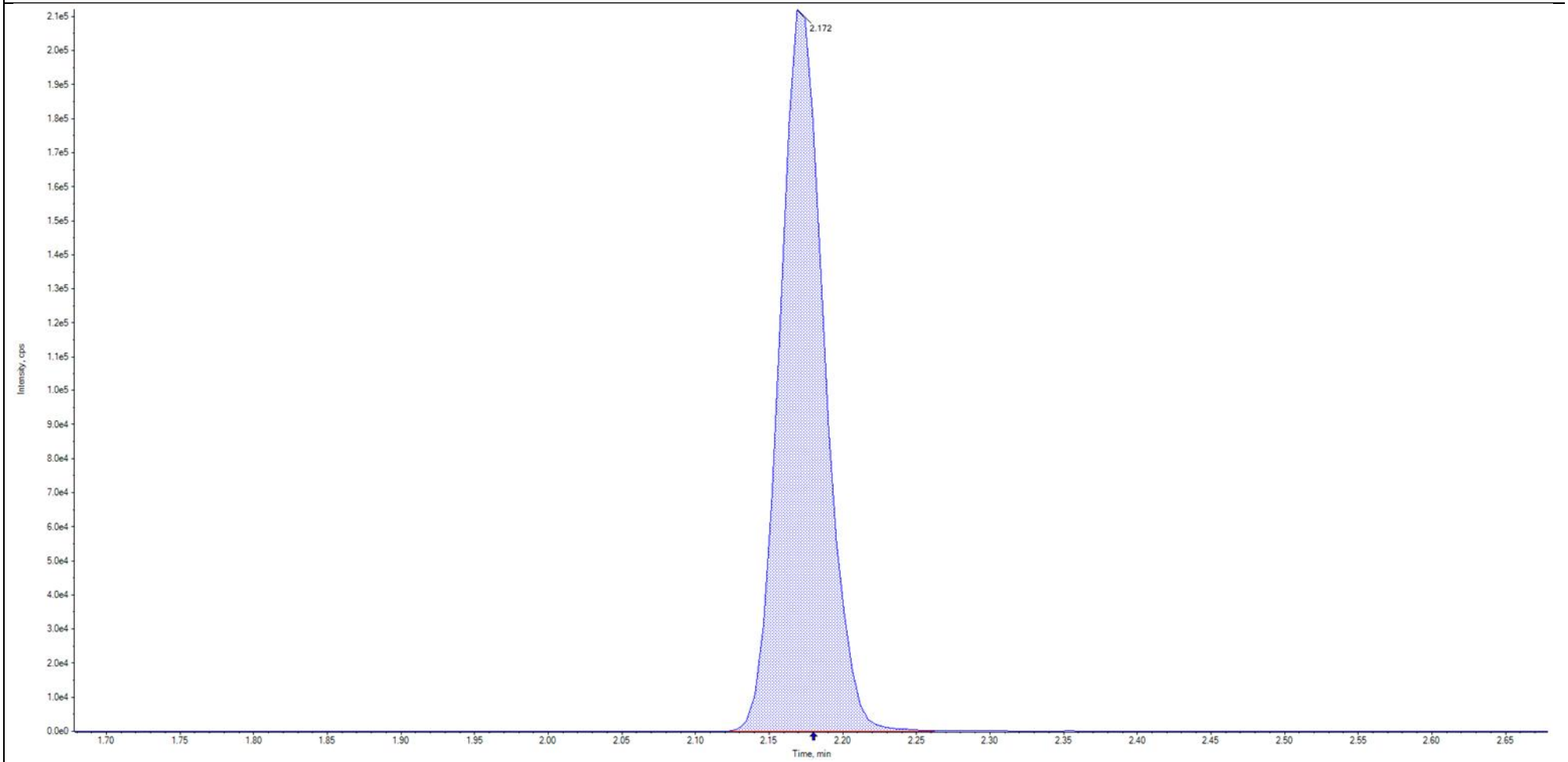
13C4-PFBA
Sample: IA1633STD-50



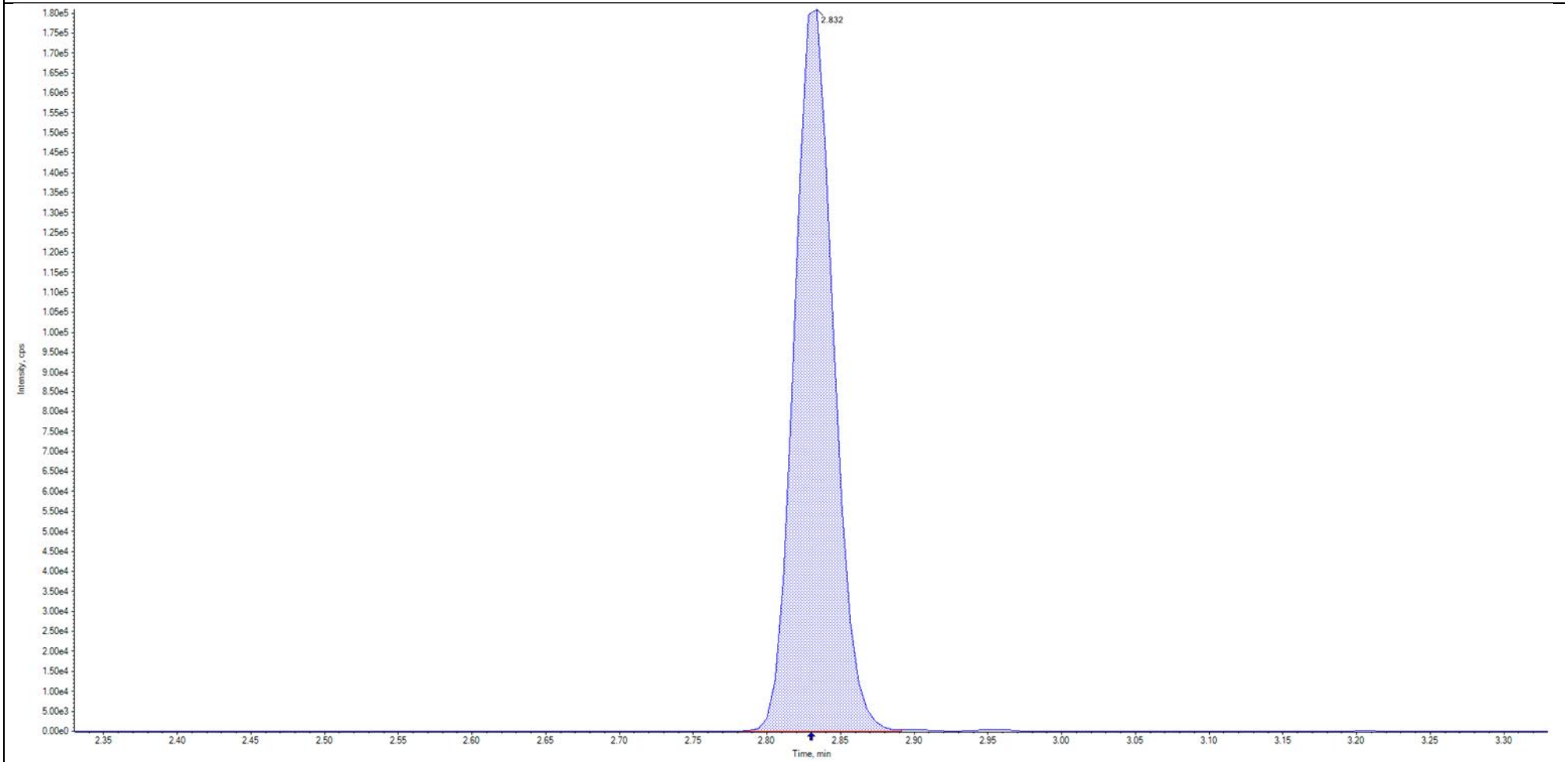
13C5-PFPeA
Sample: IA1633STD-50



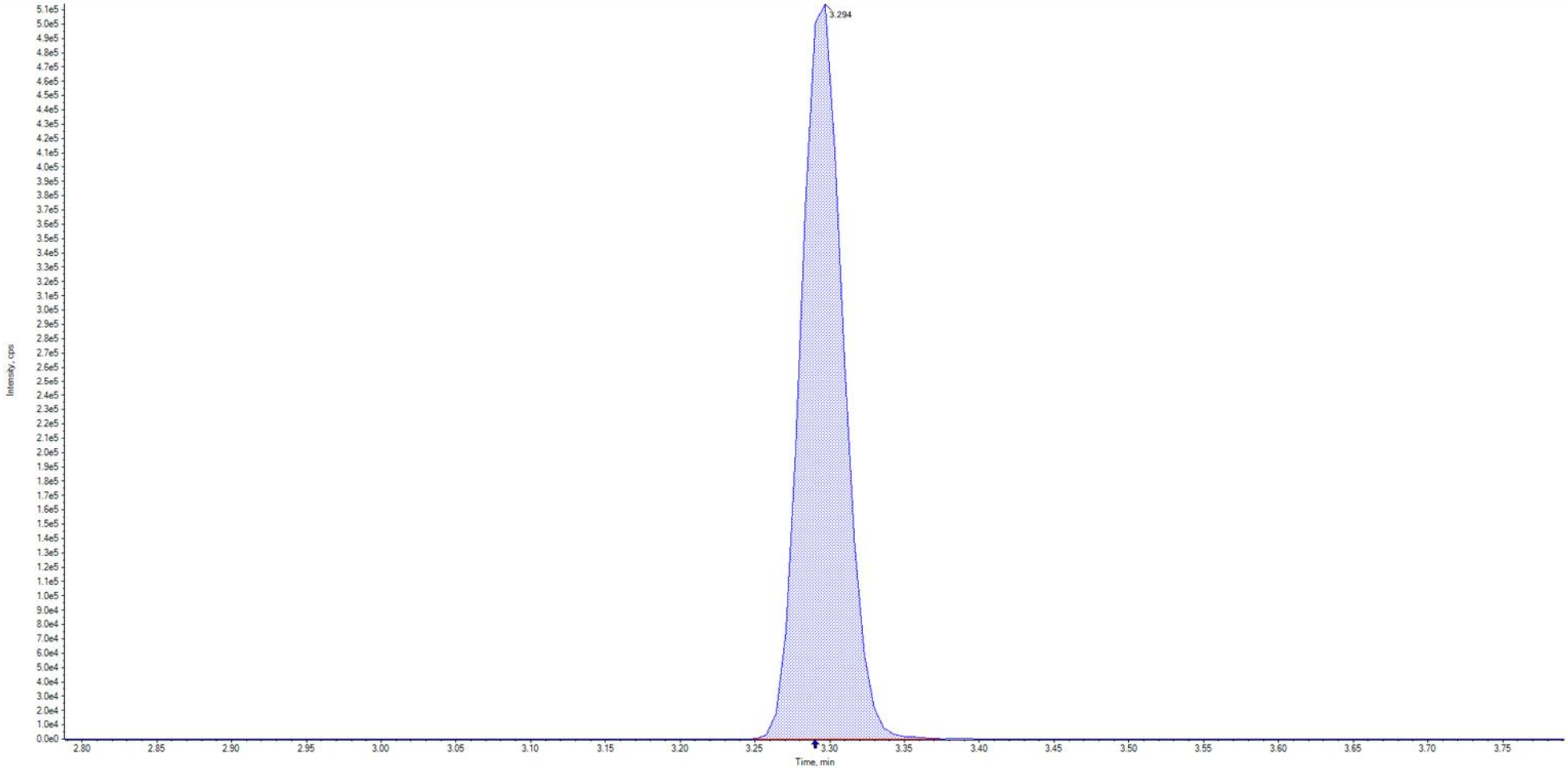
13C5-PFHxA
Sample: IA1633STD-50



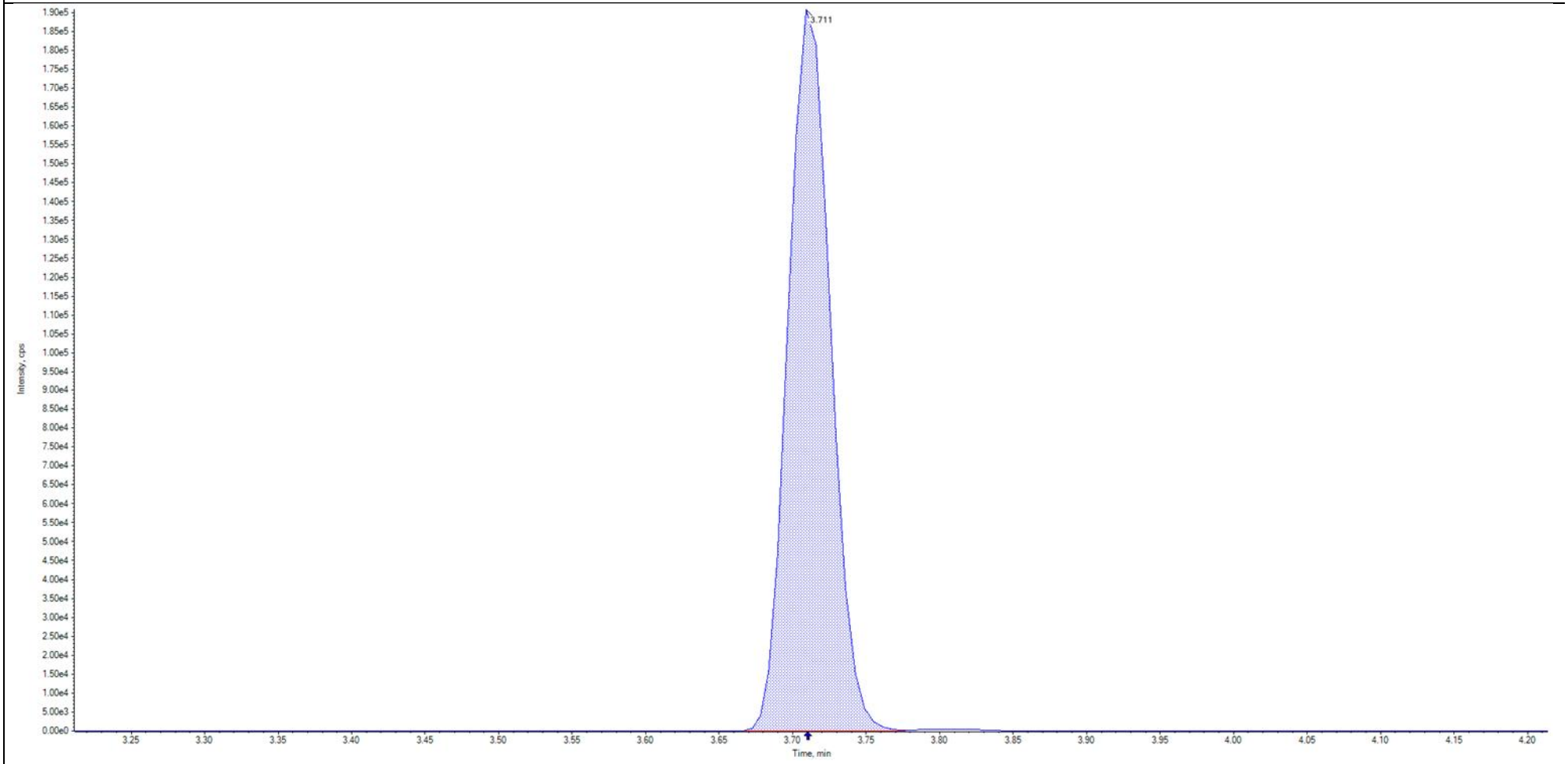
13C4-PFHpA
Sample: IA1633STD-50



13C8-PFOA
Sample: IA1633STD-50



13C9-PFNA
Sample: IA1633STD-50



13C6-PFDA
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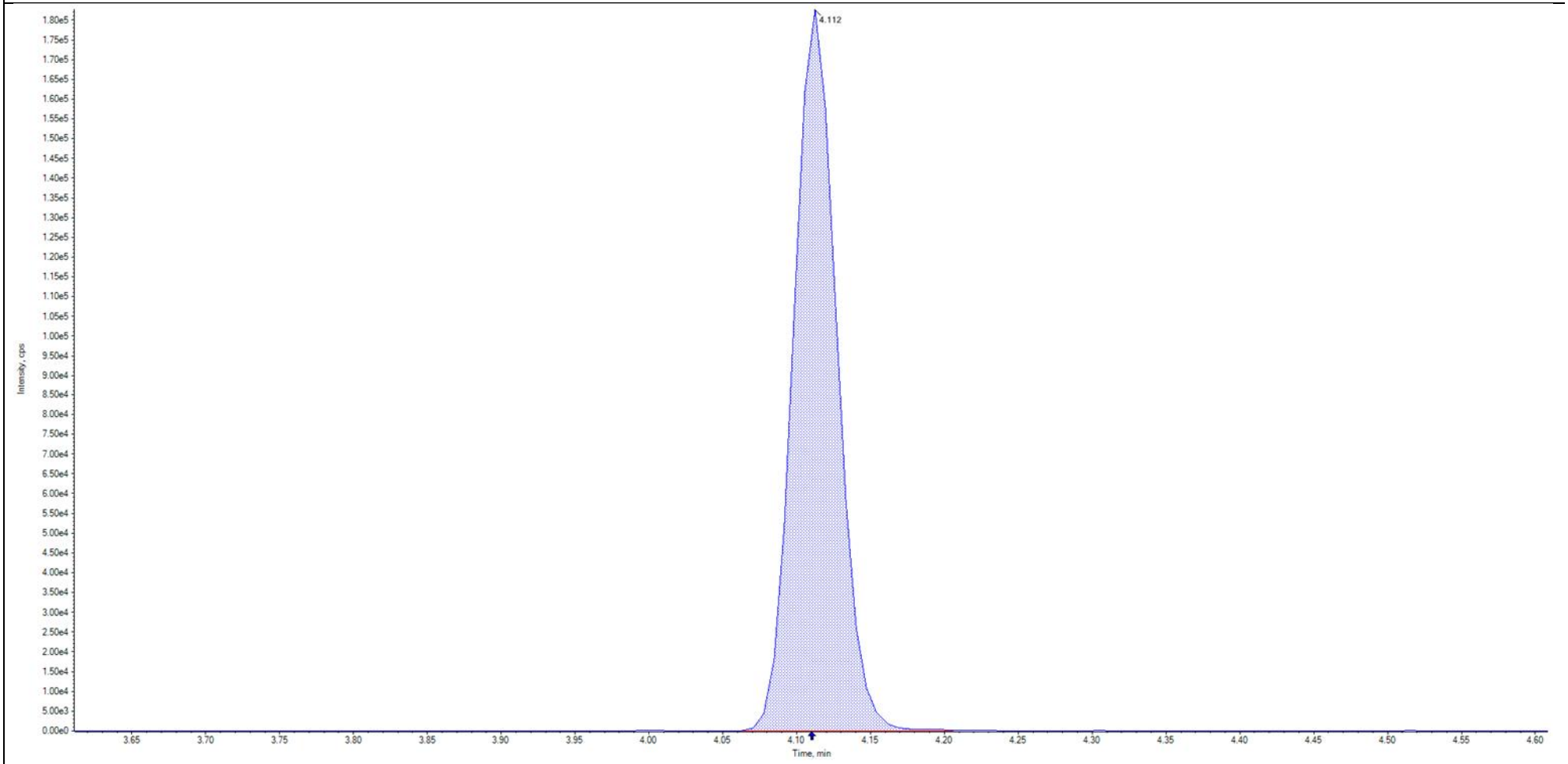
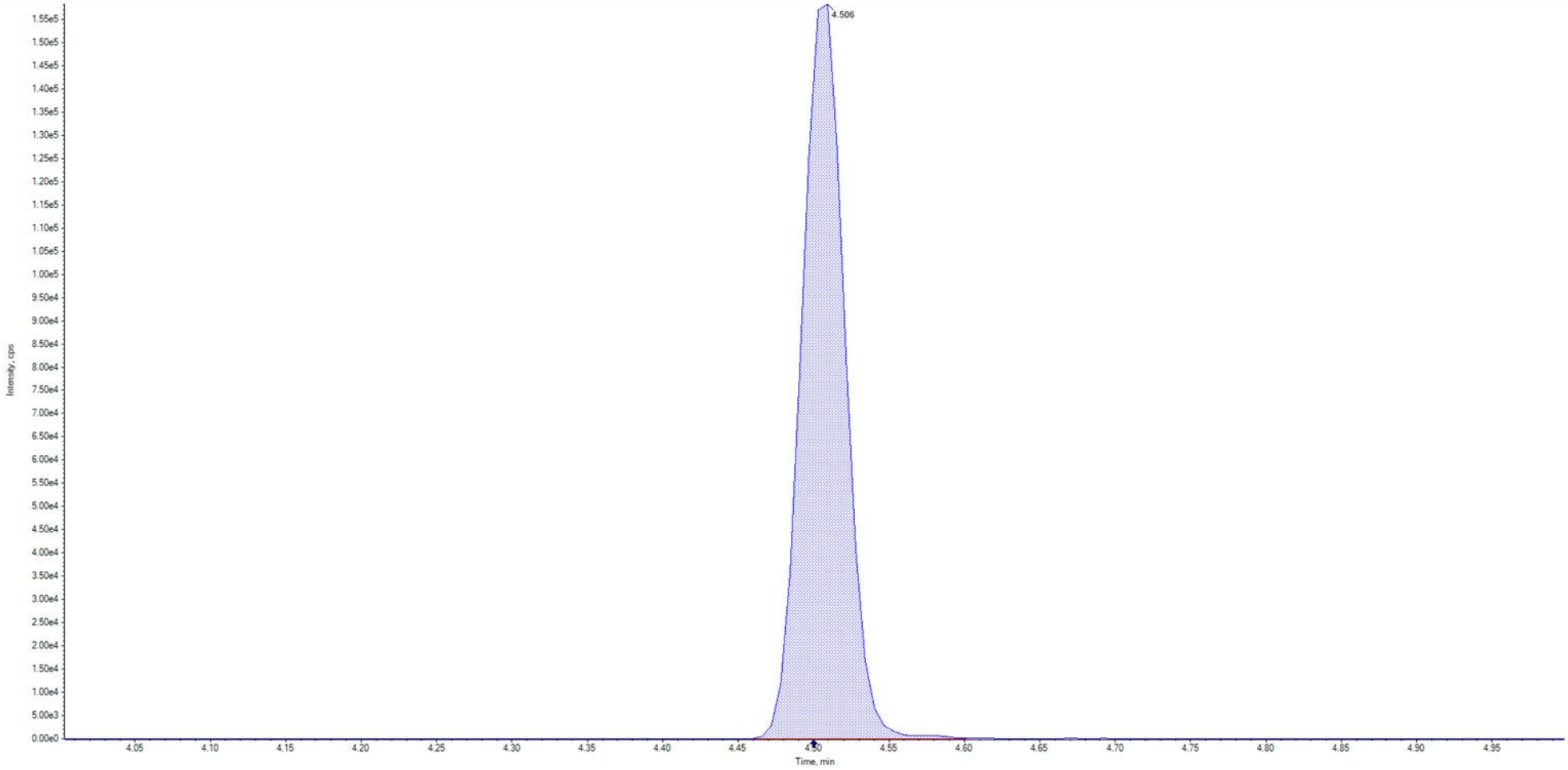
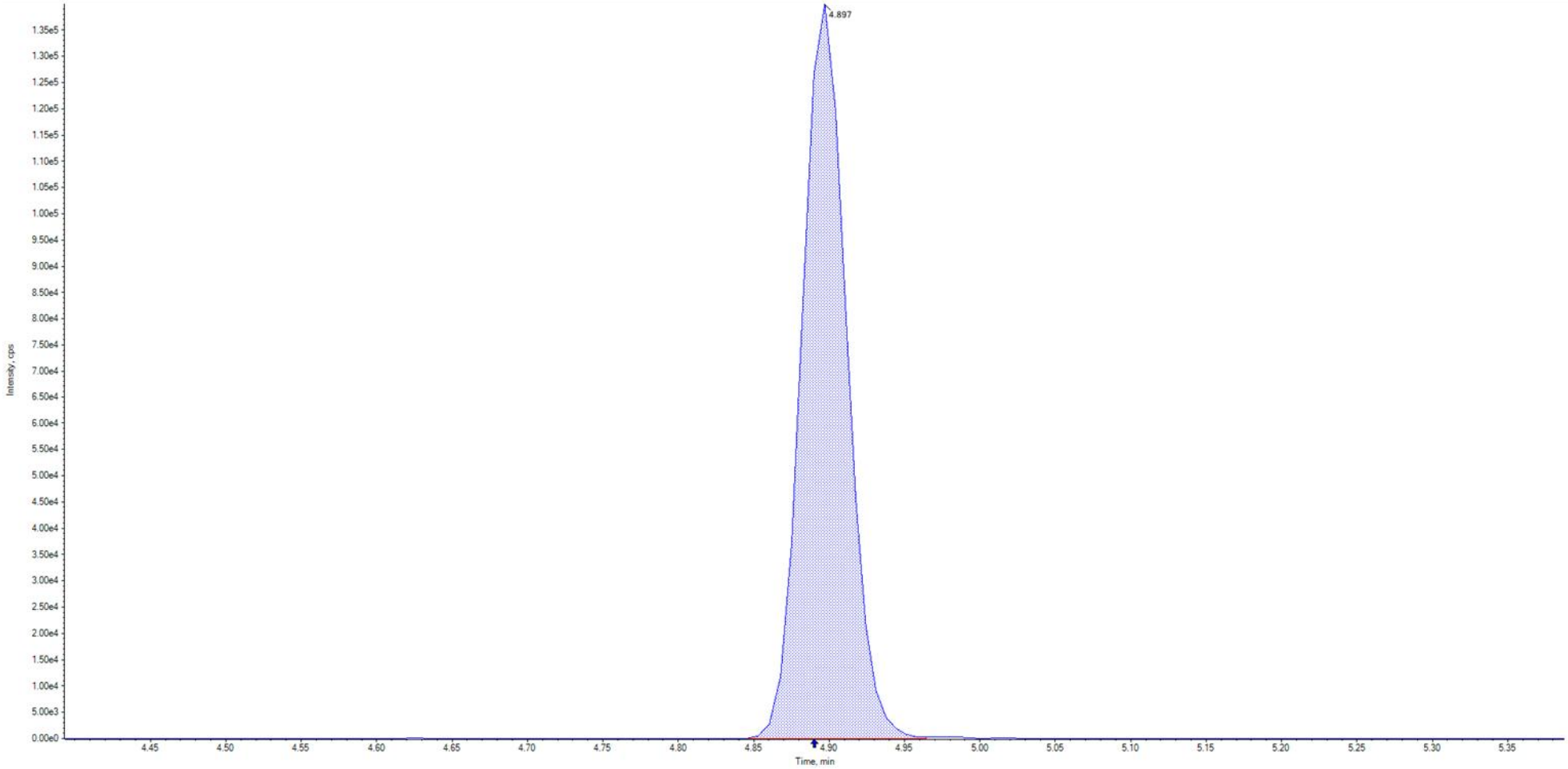


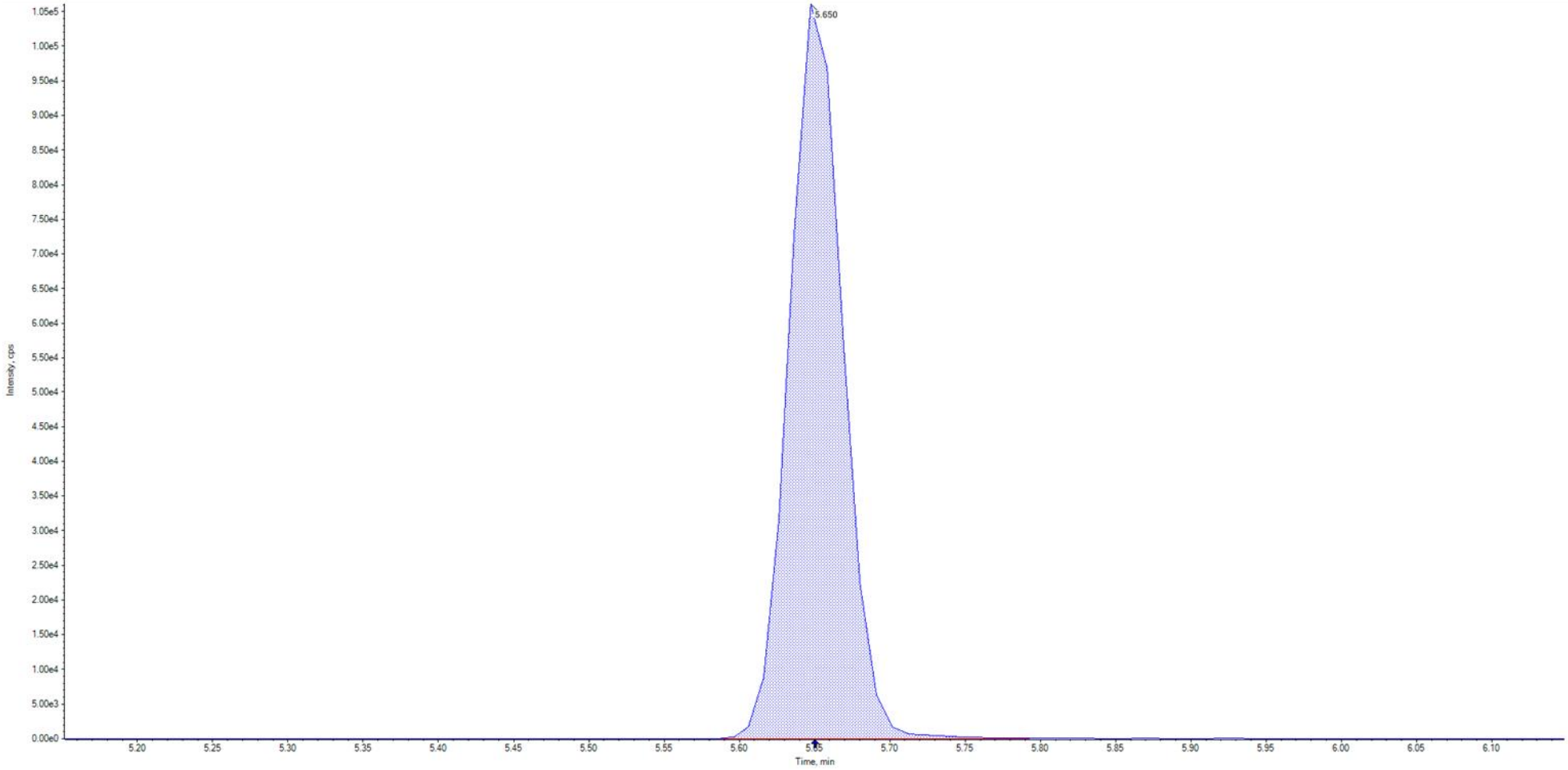
13C7-PFUnA
Sample: IA1633STD-50



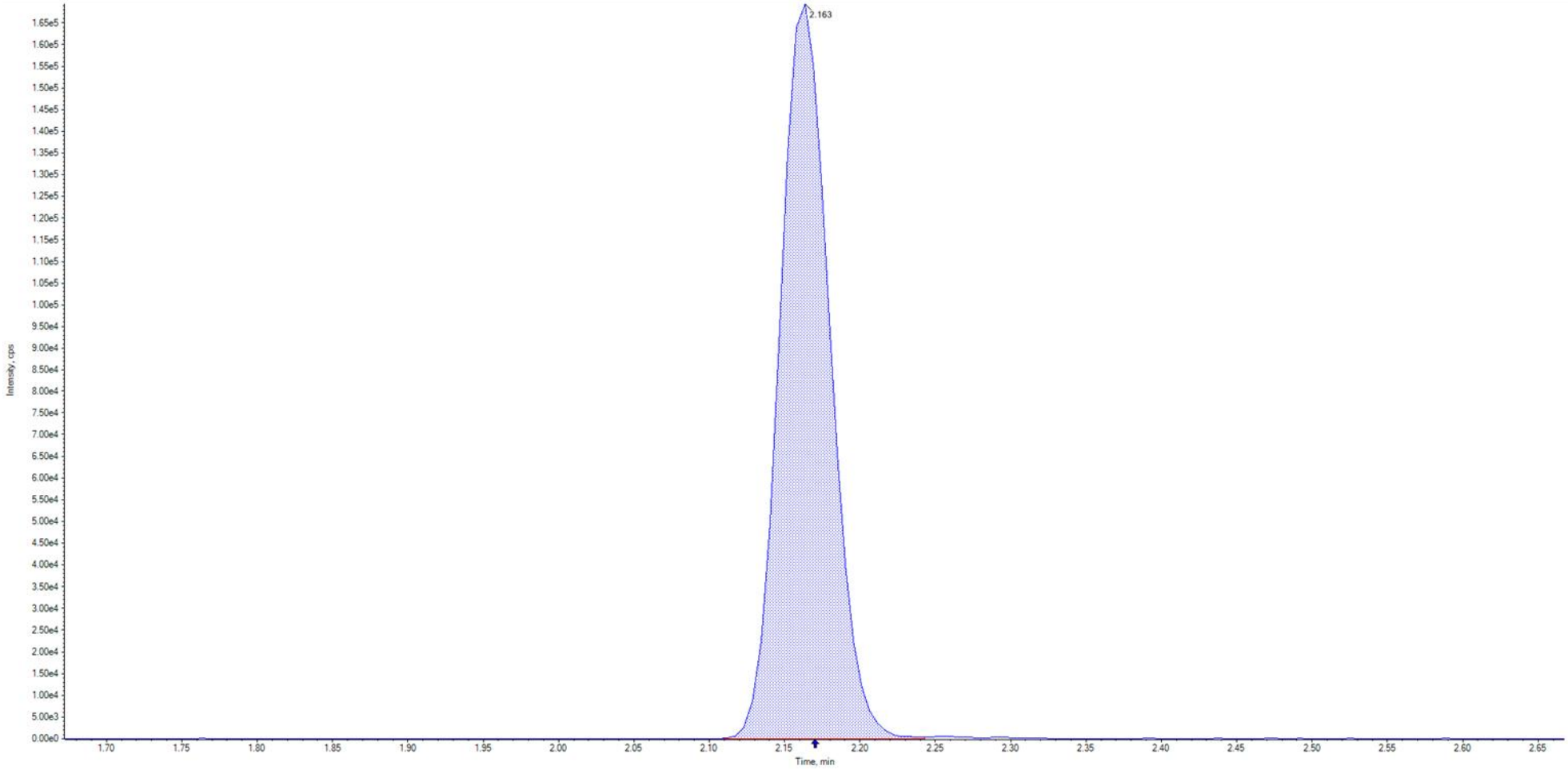
13C2-PFDoA
Sample: IA1633STD-50



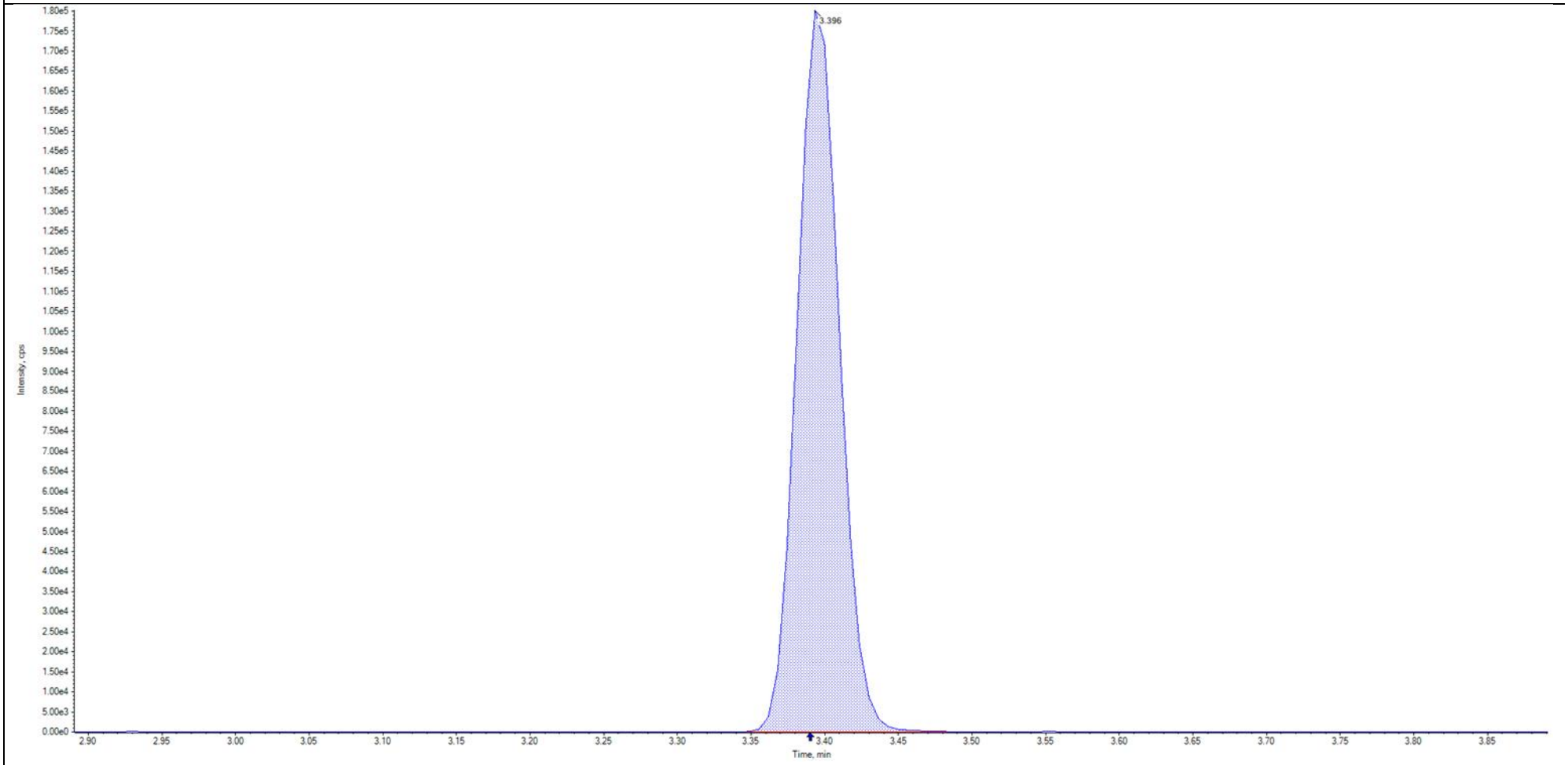
13C2-PFTeDA
Sample: IA1633STD-50



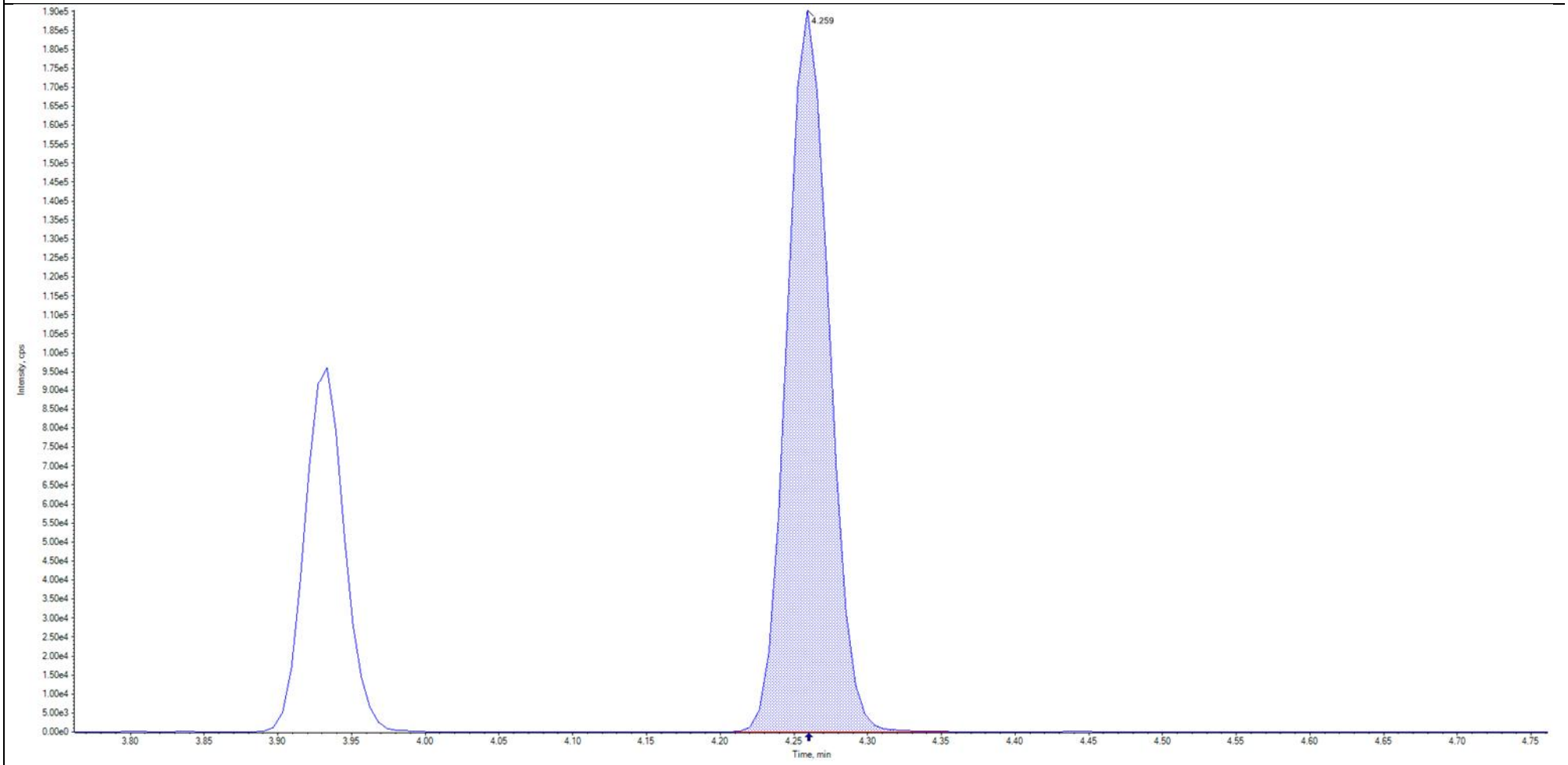
13C3-PFBS
Sample: IA1633STD-50



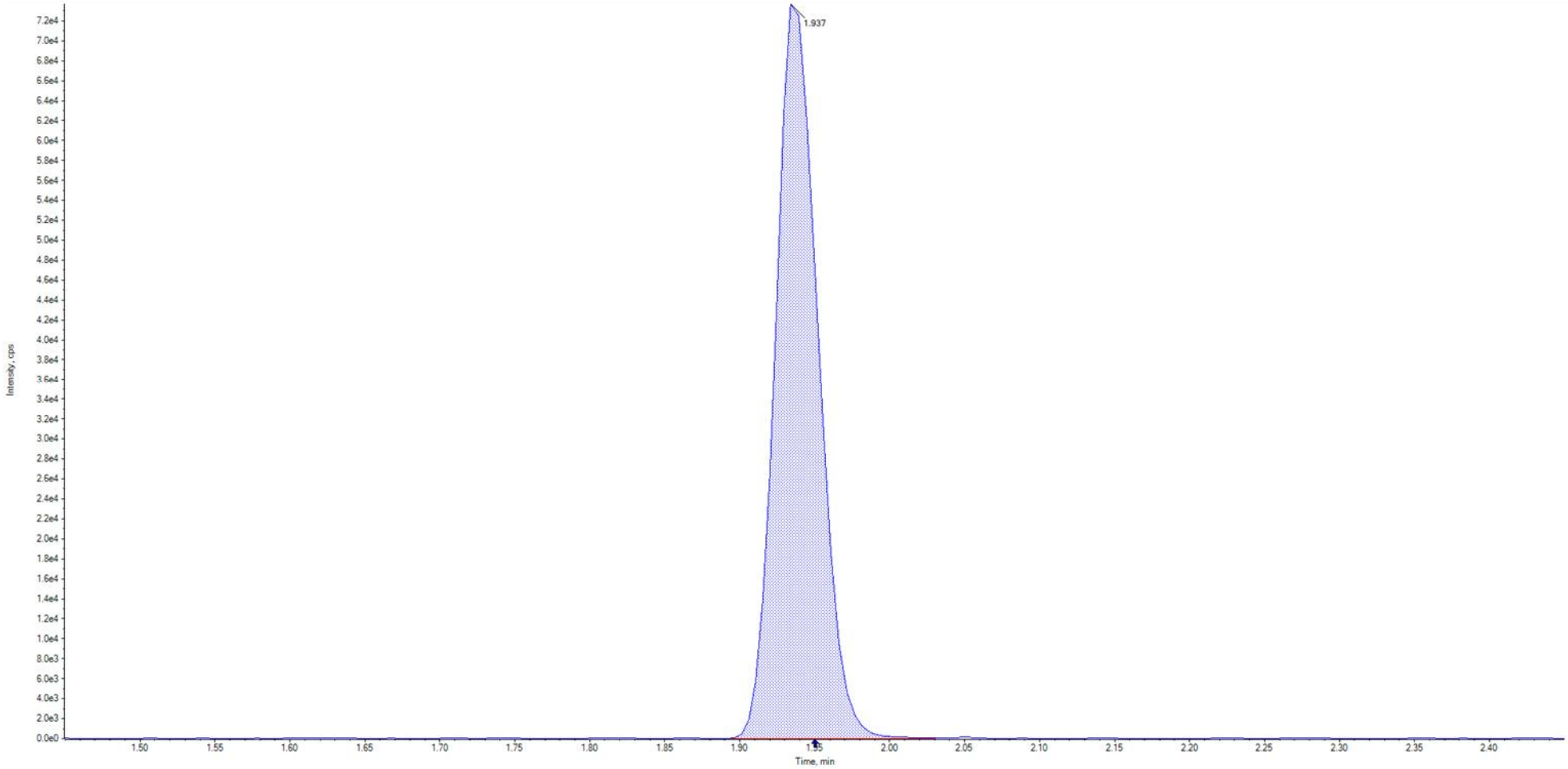
13C3-PFHxS
Sample: IA1633STD-50



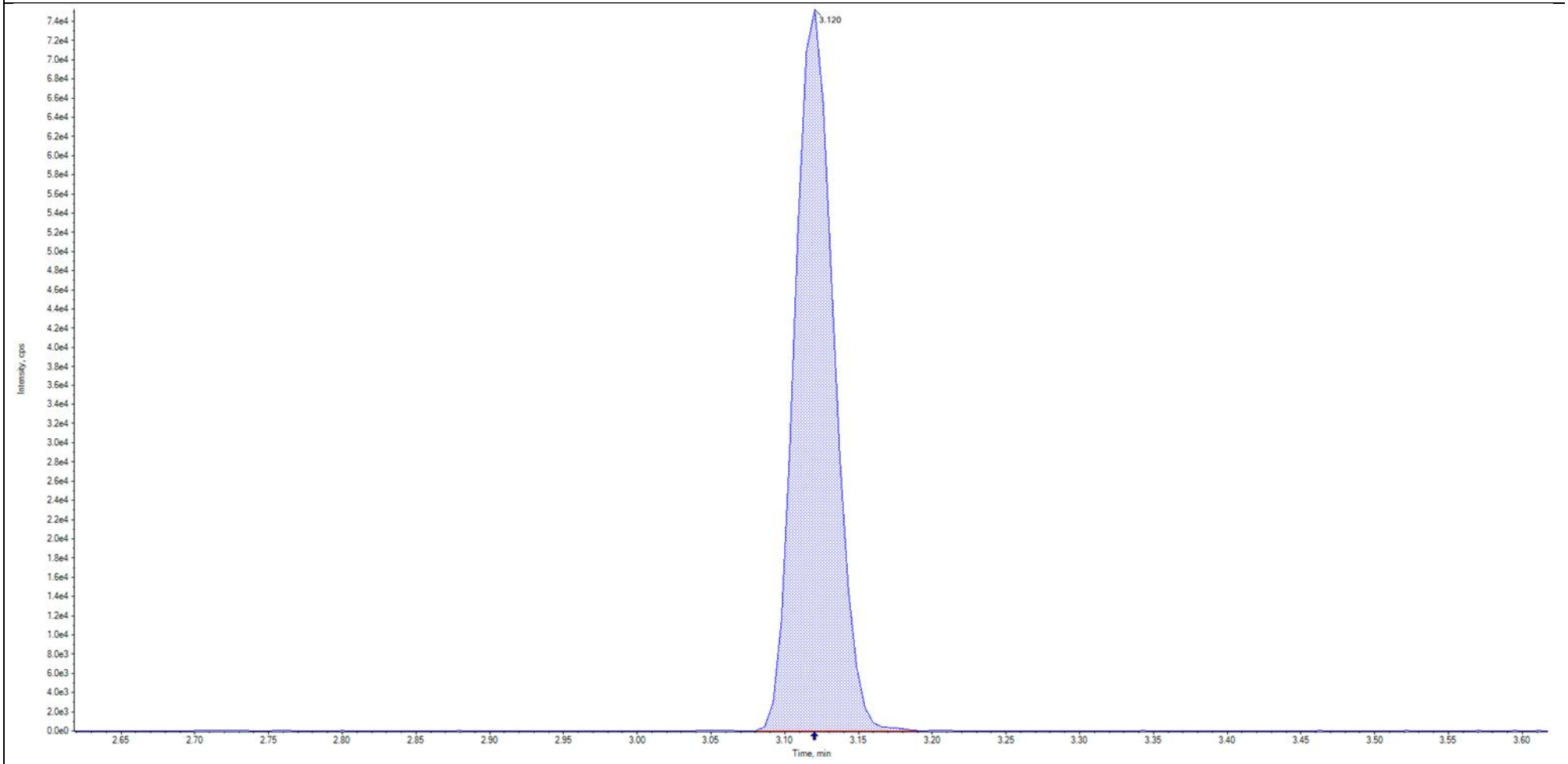
13C8-PFOS
Sample: IA1633STD-50



13C2-4:2FTS
Sample: IA1633STD-50



13C2-6:2FTS
Sample: IA1633STD-50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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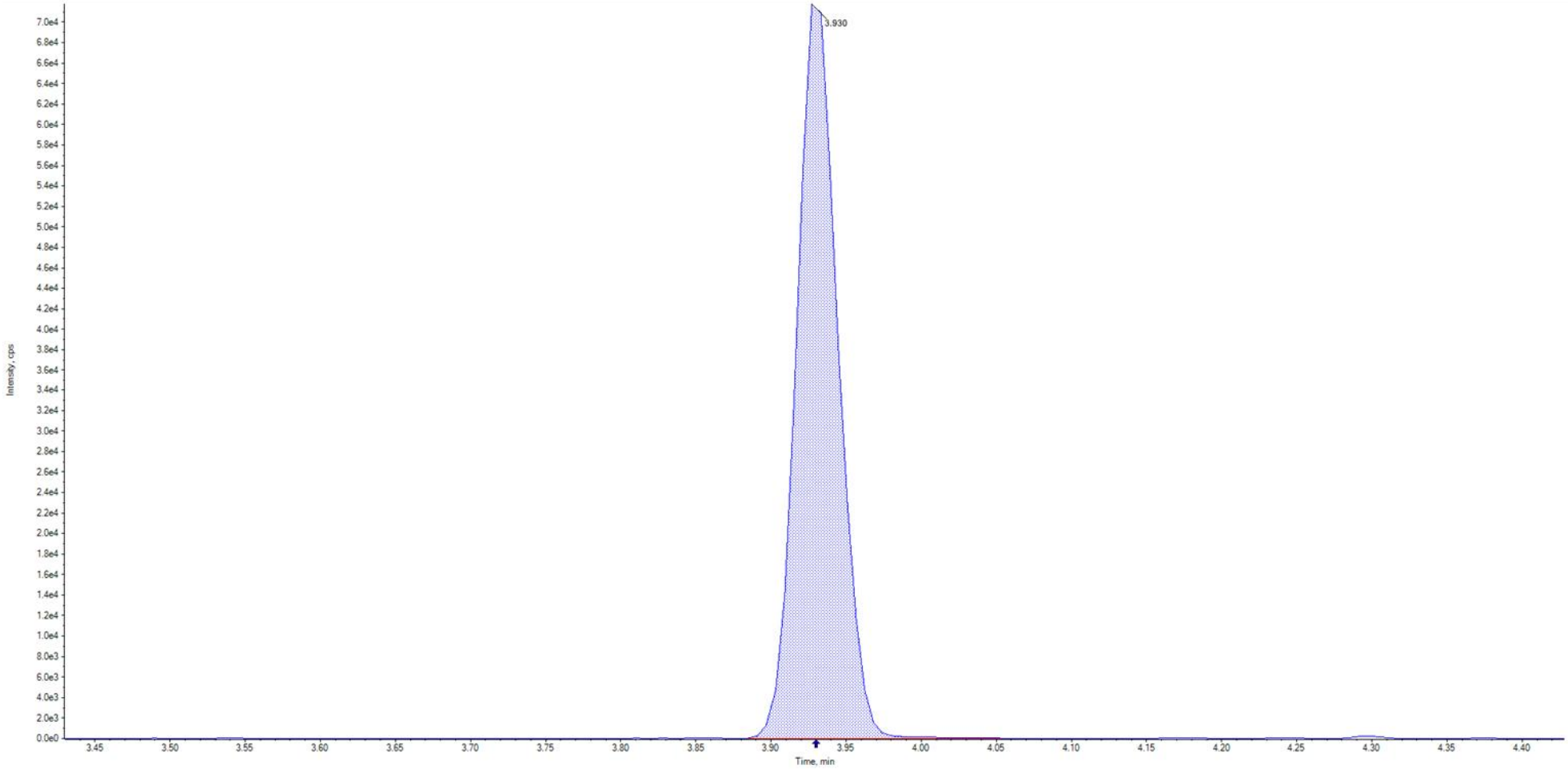
13C2-8:2FTS
Sample: IA1633STD-50



13C8-PFOSA
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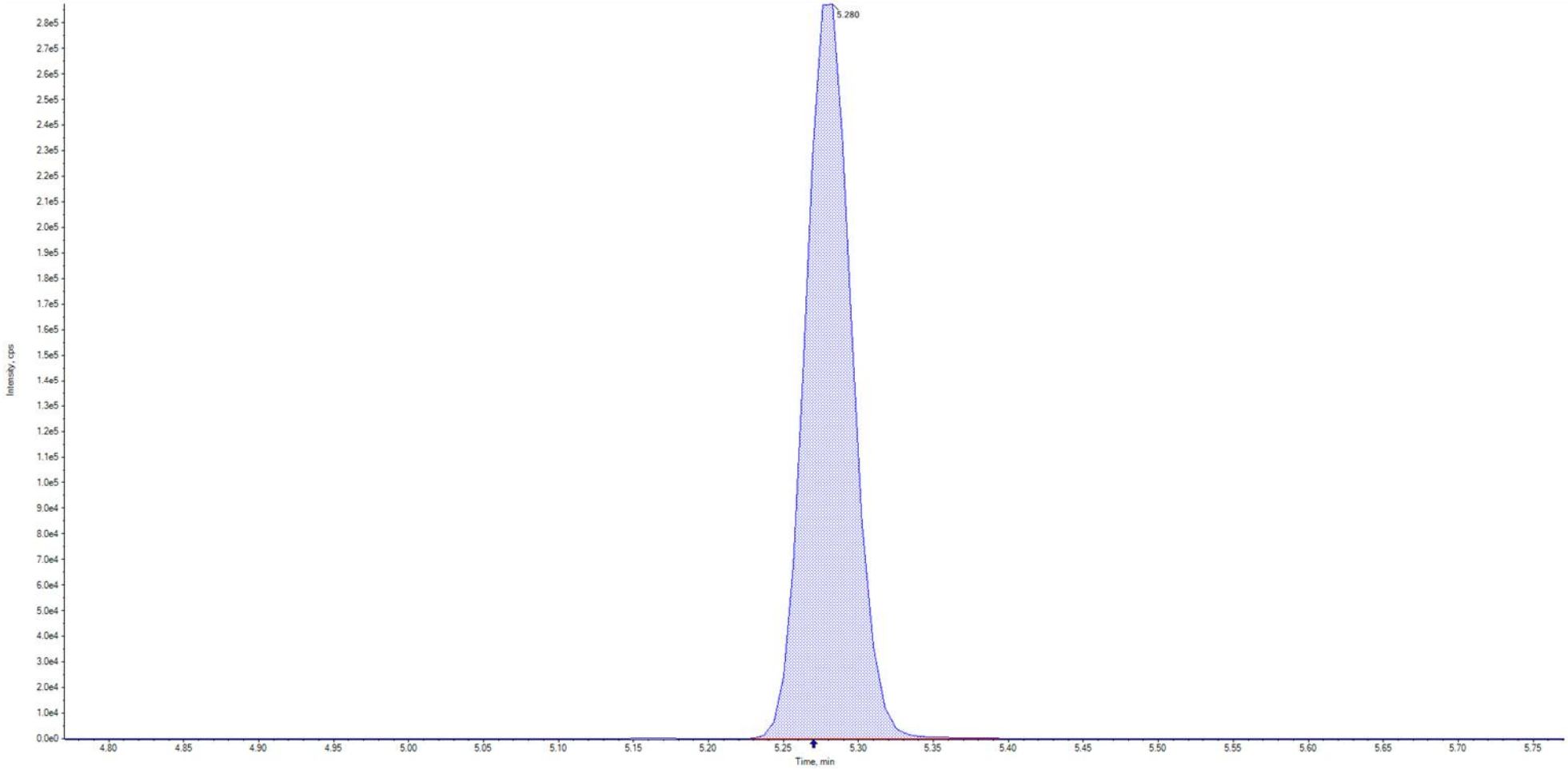

d3-NMeFOSA
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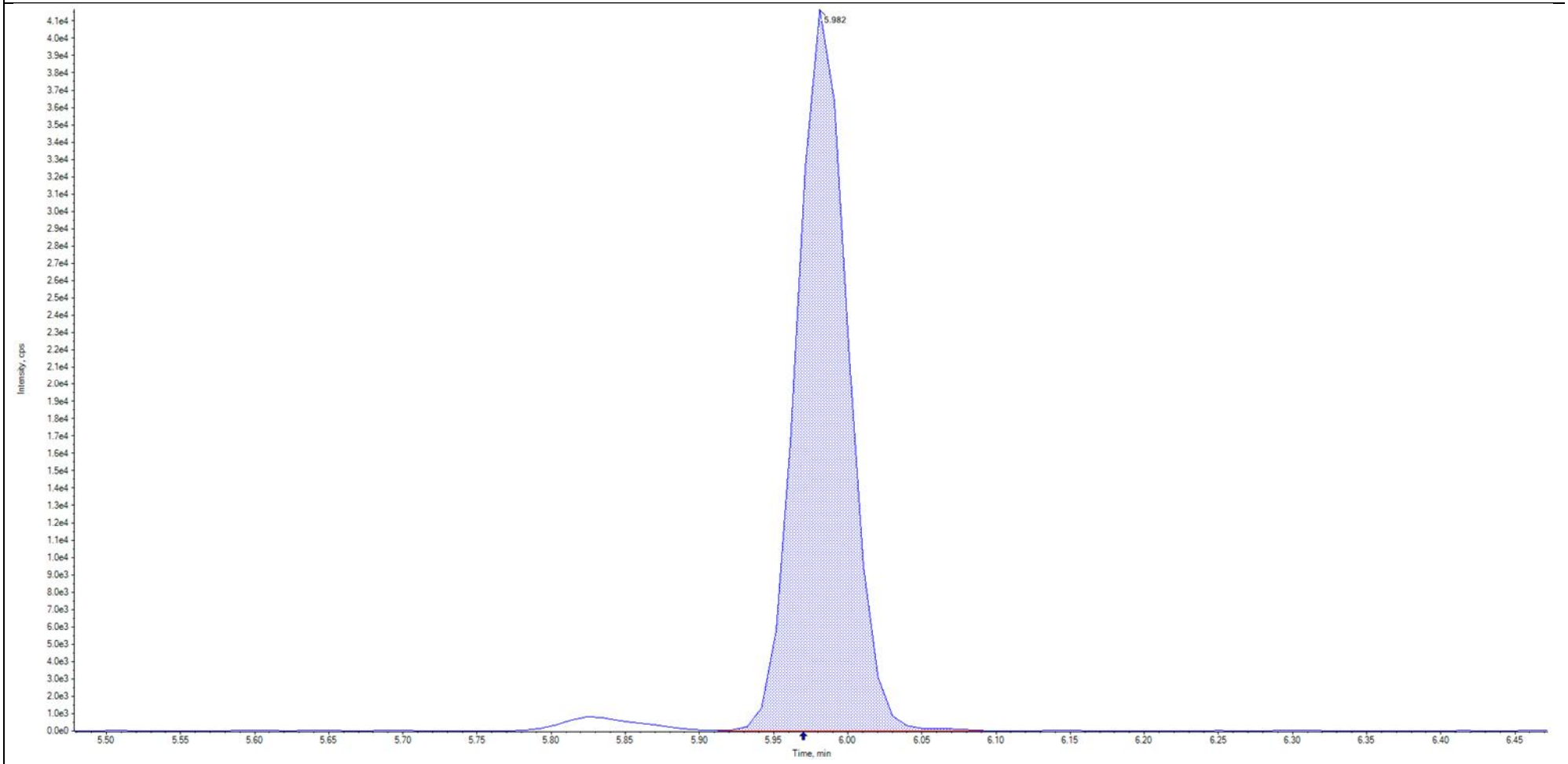
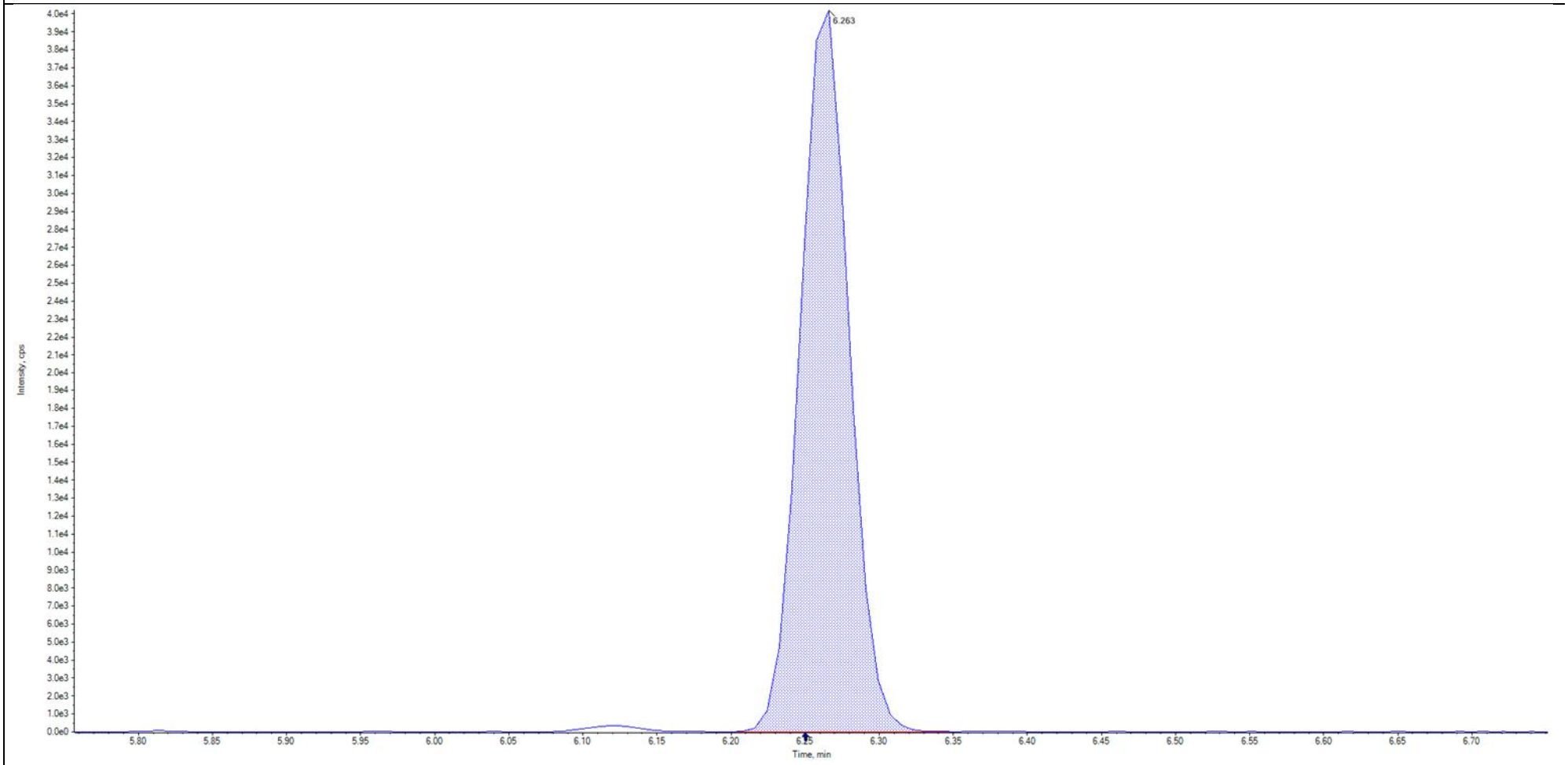


d5-NEtFOSA
Sample: IA1633STD-50



d3-NMeFOSAA
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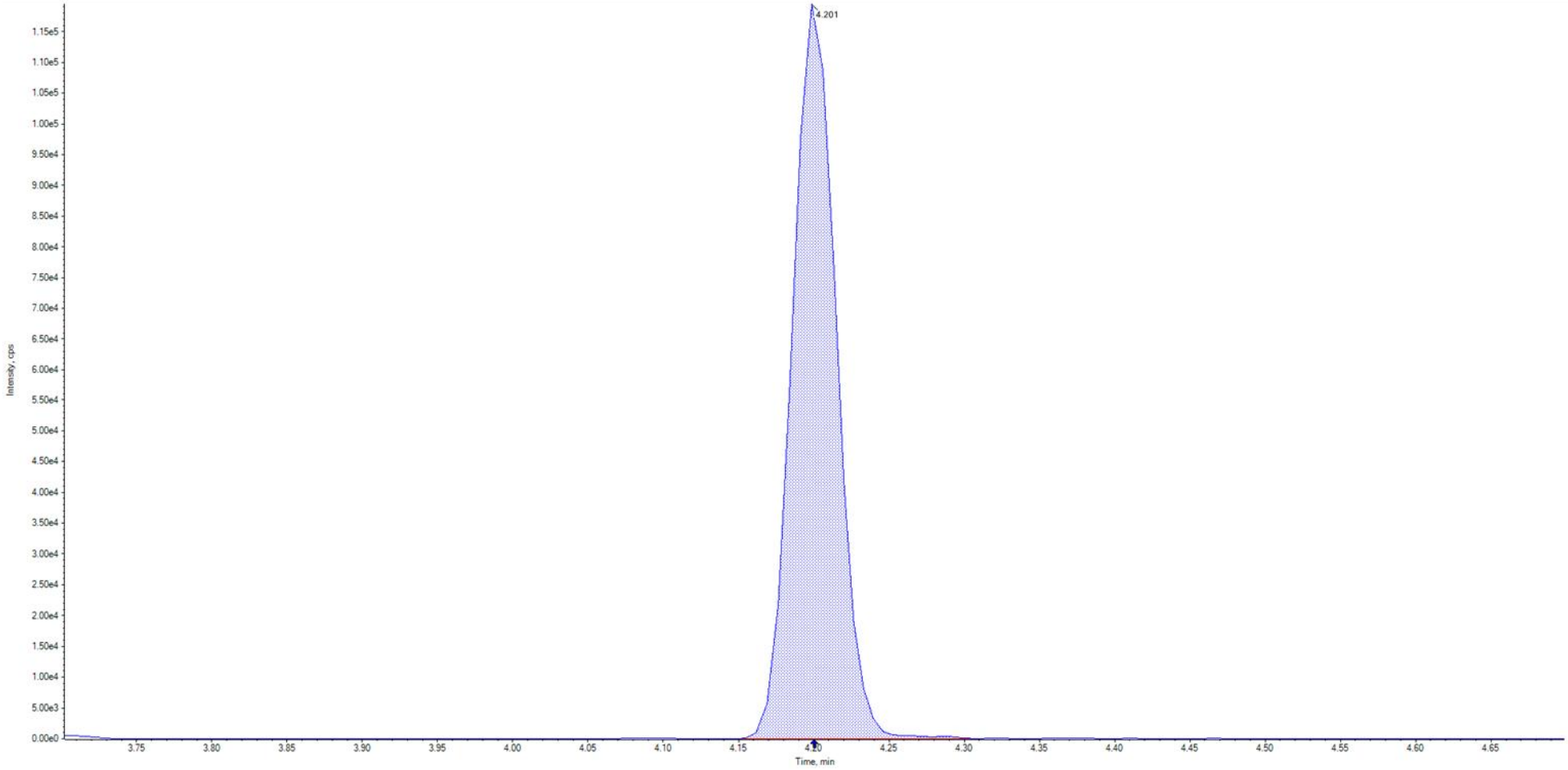
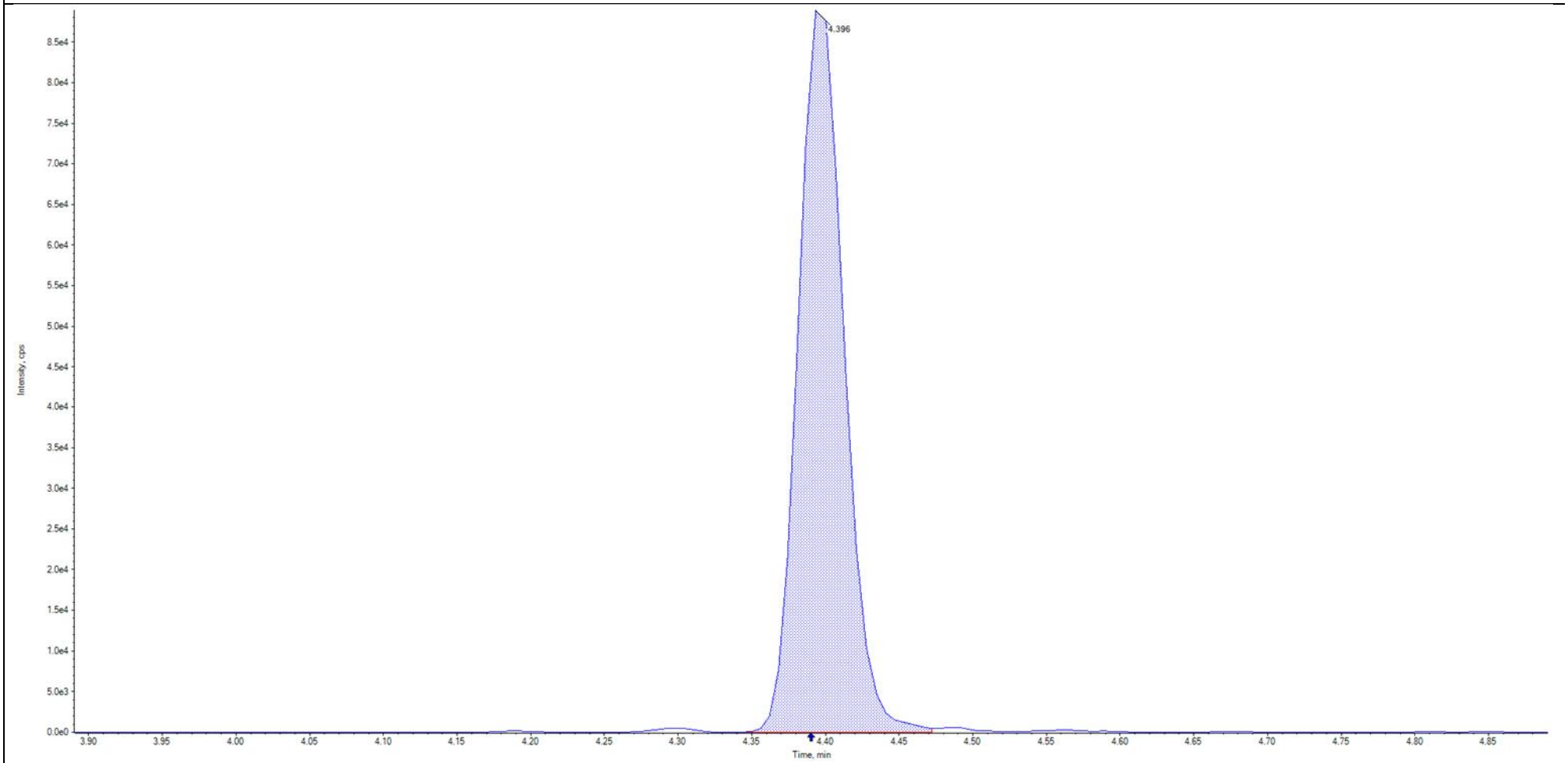
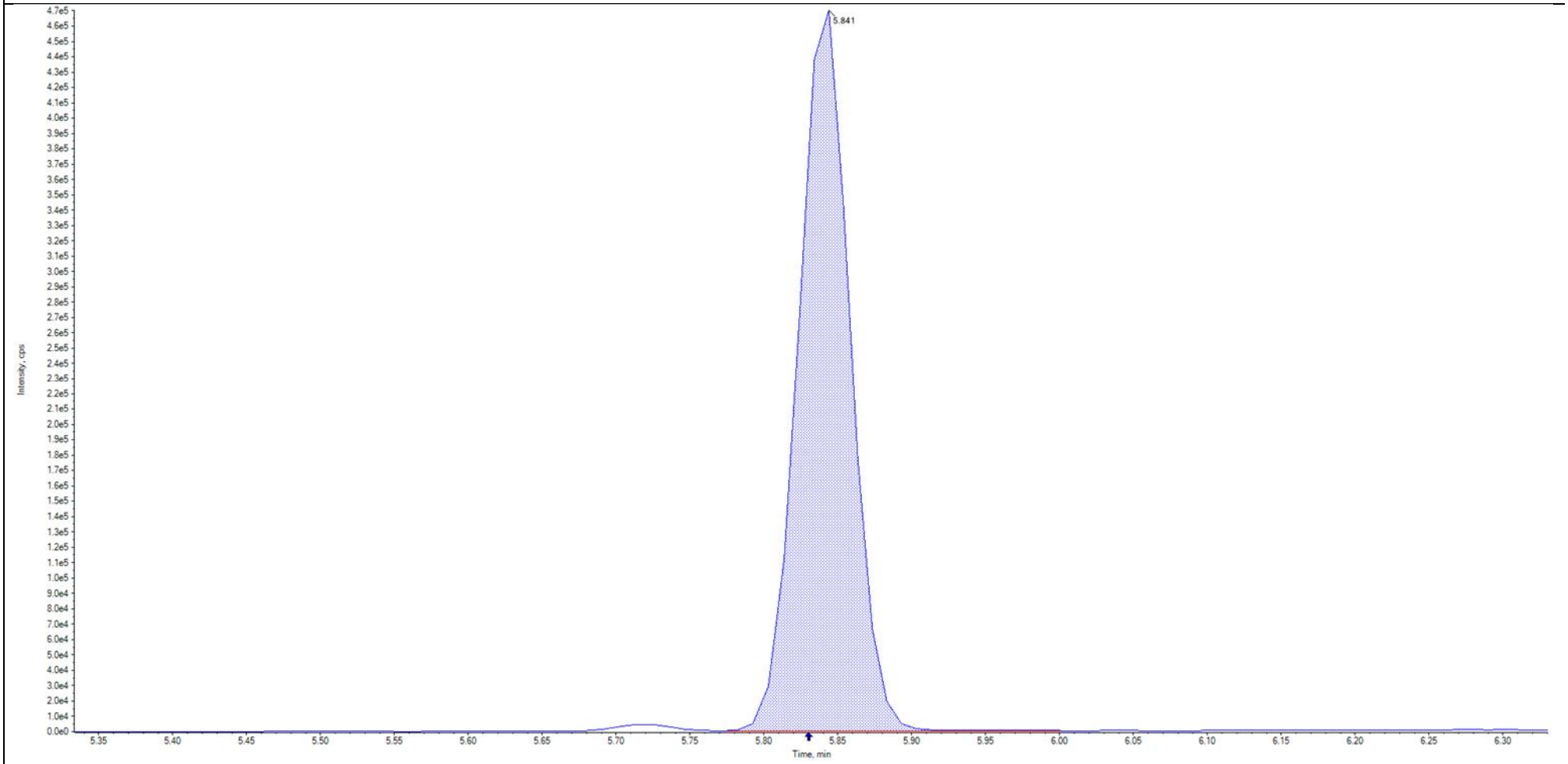


d5-NEtFOSAA
Sample: IA1633STD-50



d7-NMeFOSE
Sample: IA1633STD-50



d9-NEtFOSE
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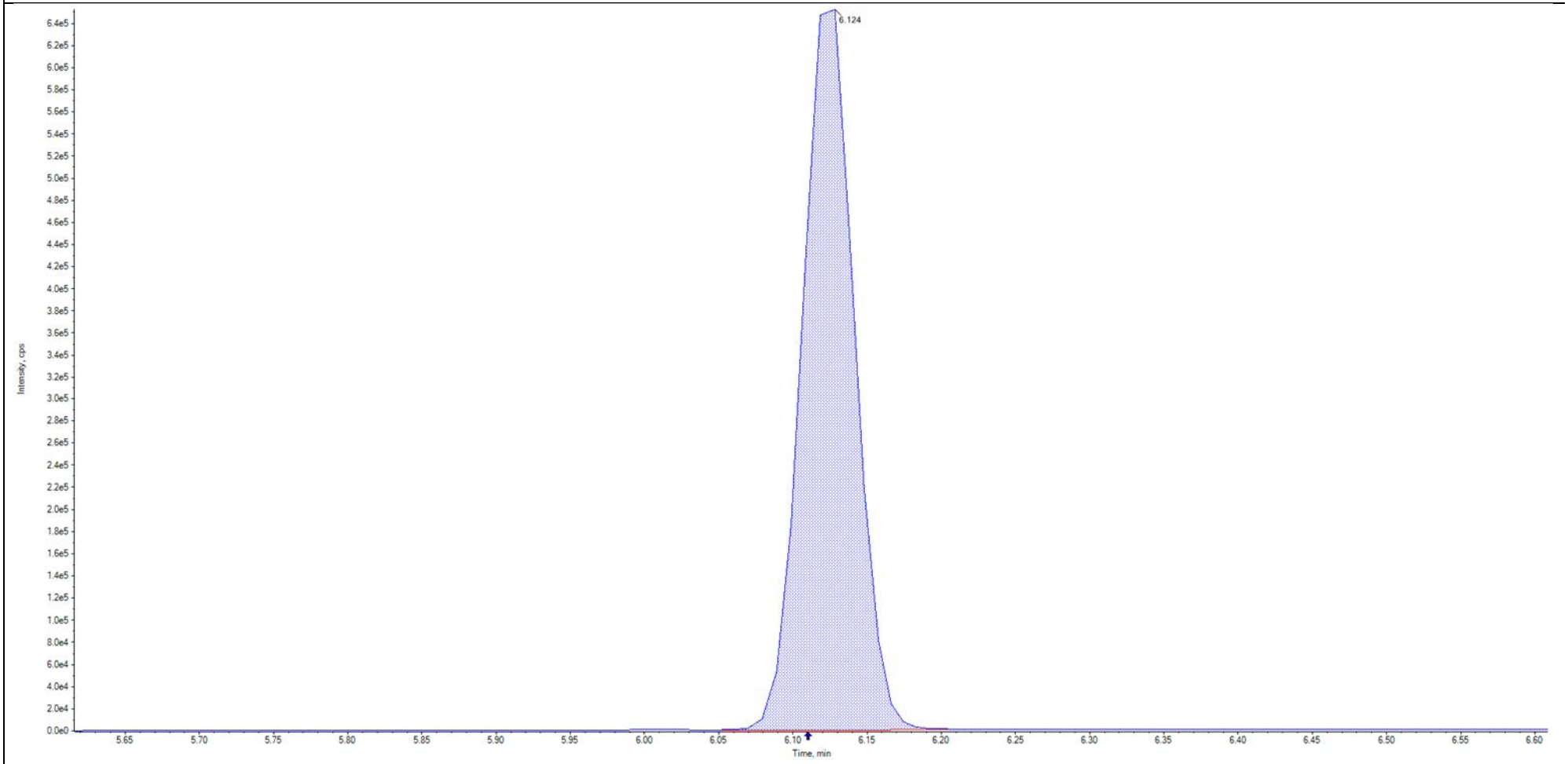

13C3-HFPO-DA
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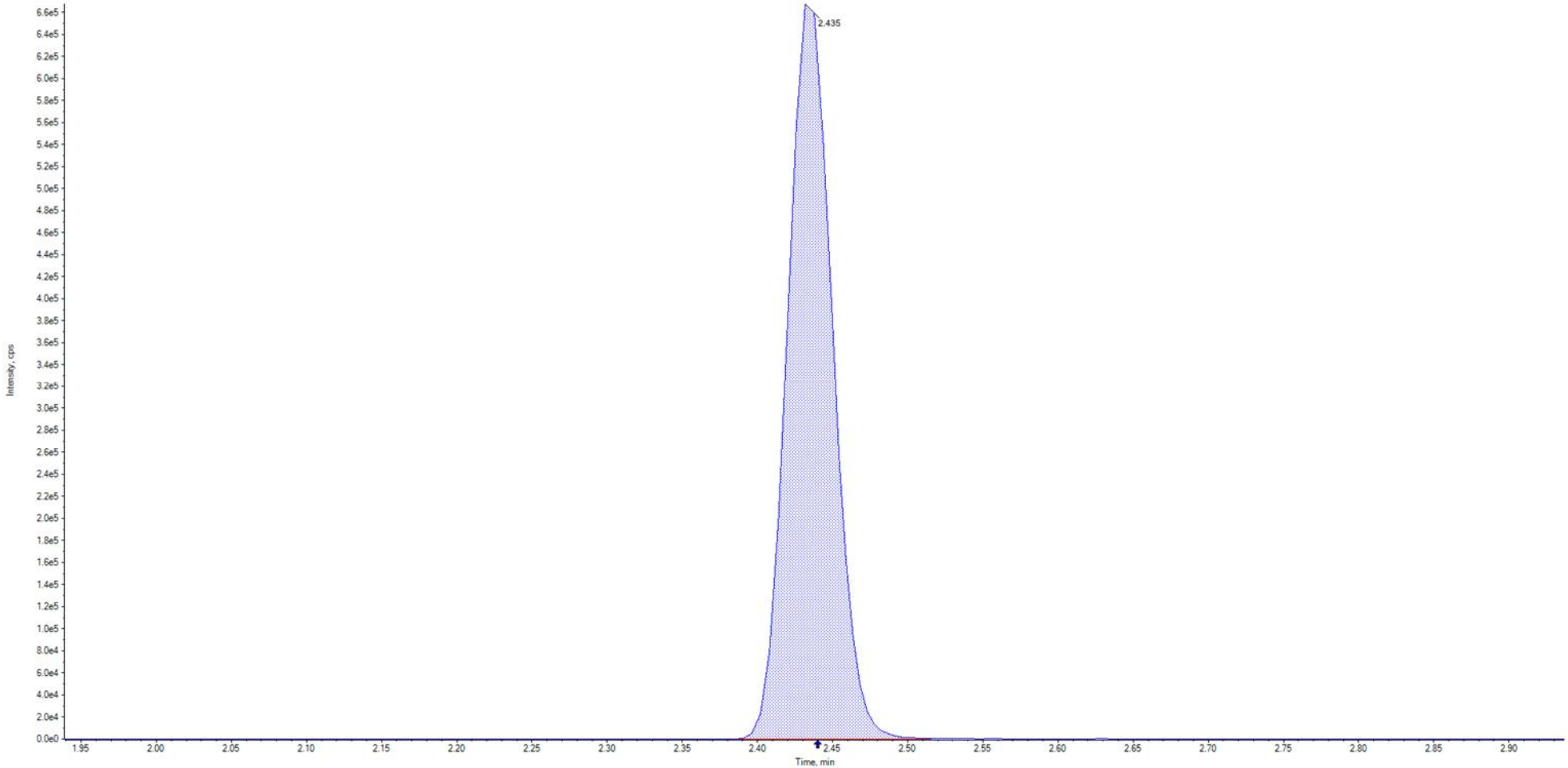

13C3-PFBA
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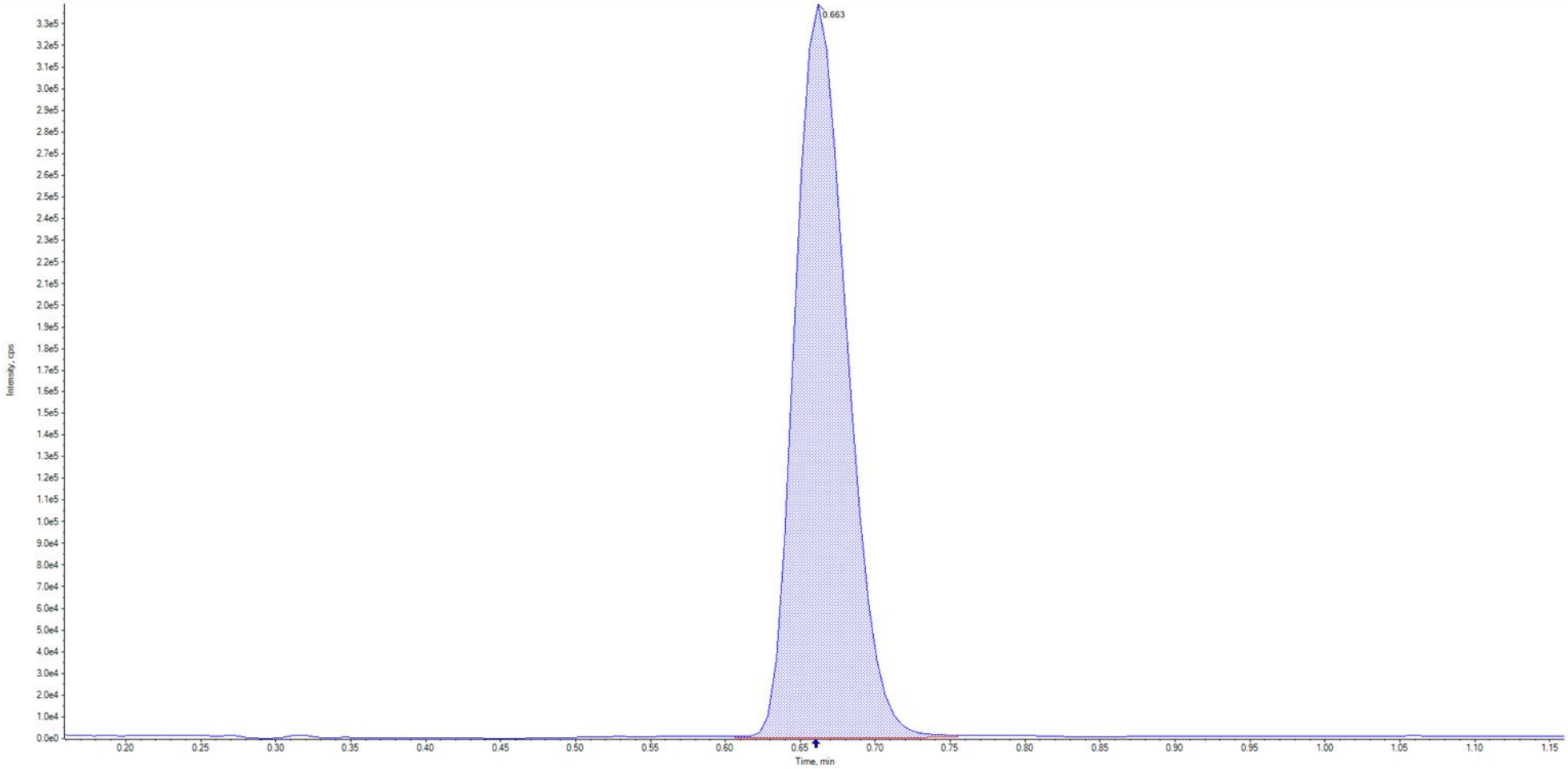
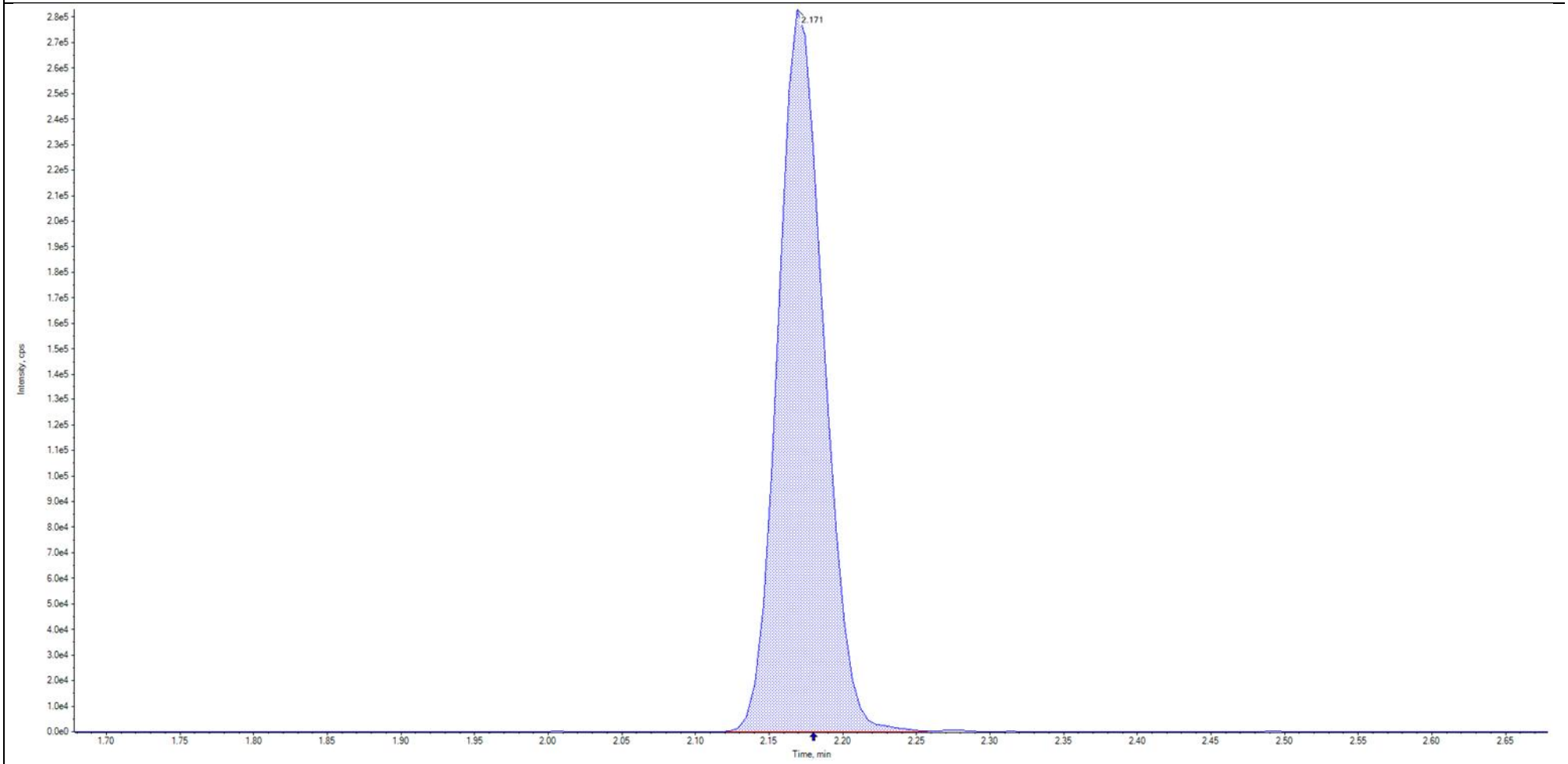


13C2-PFHxA
Sample: IA1633STD-50



13C4-PFOA
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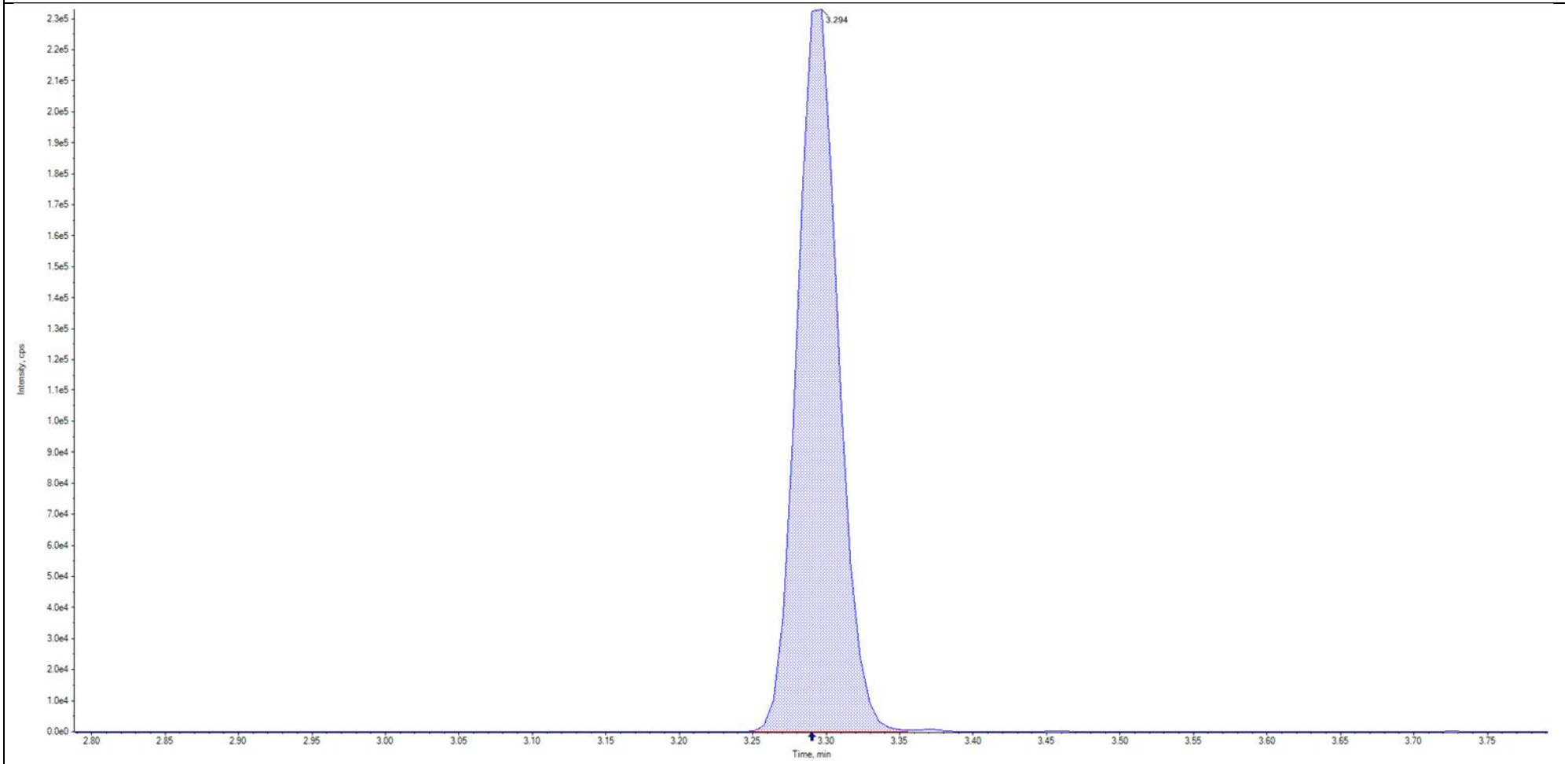

13C5-PFNA
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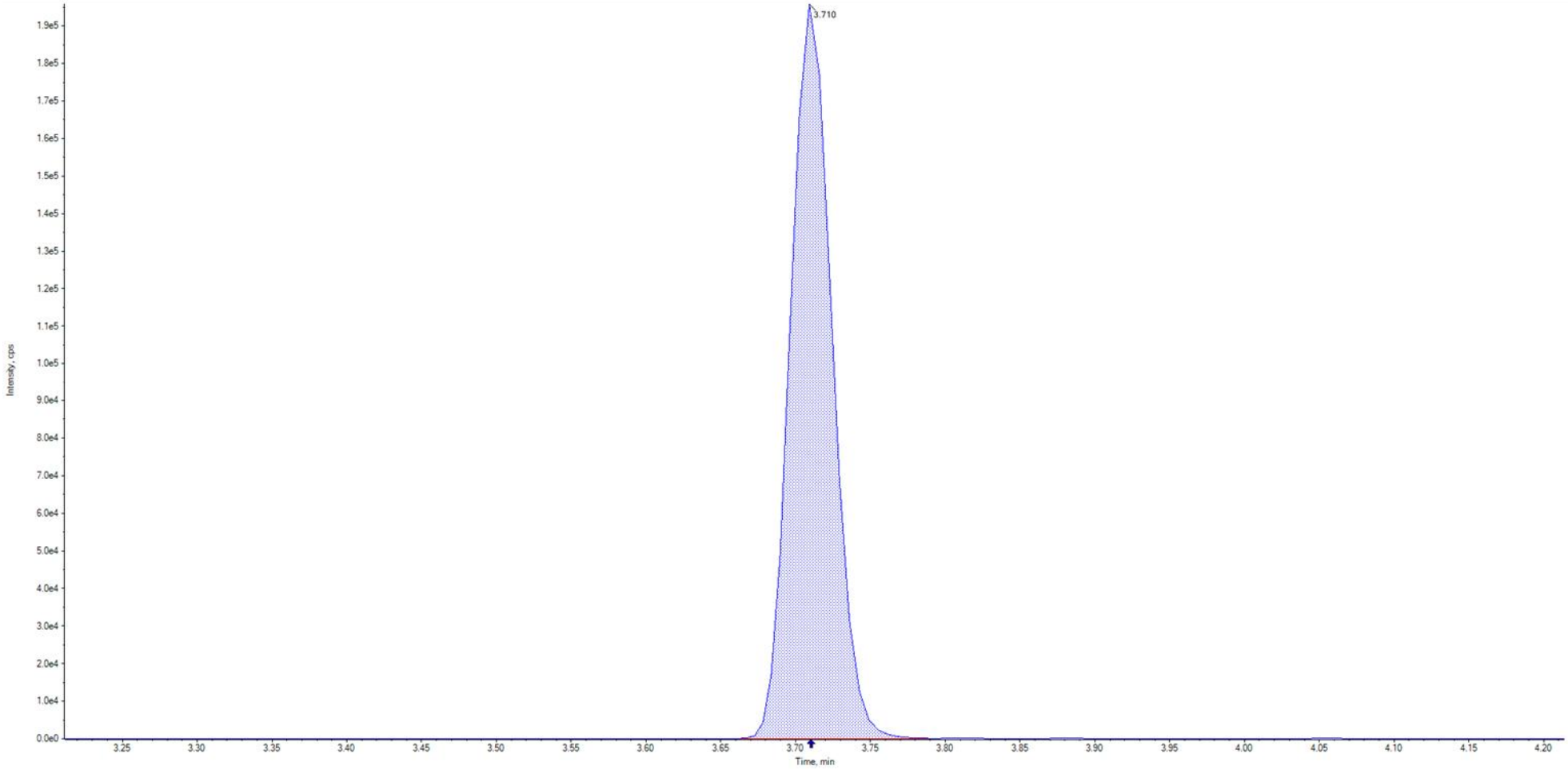

13C2-PFDA
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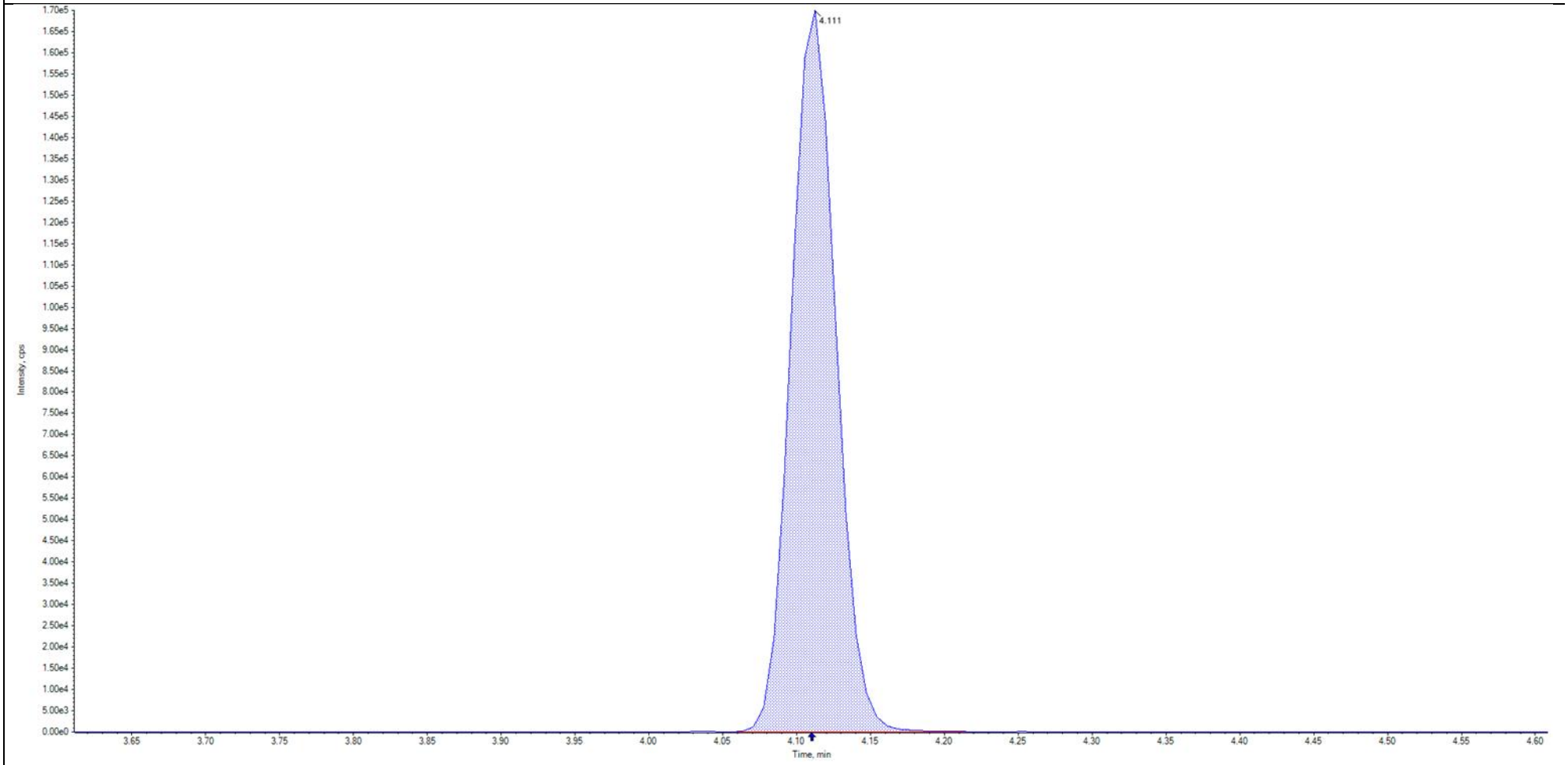
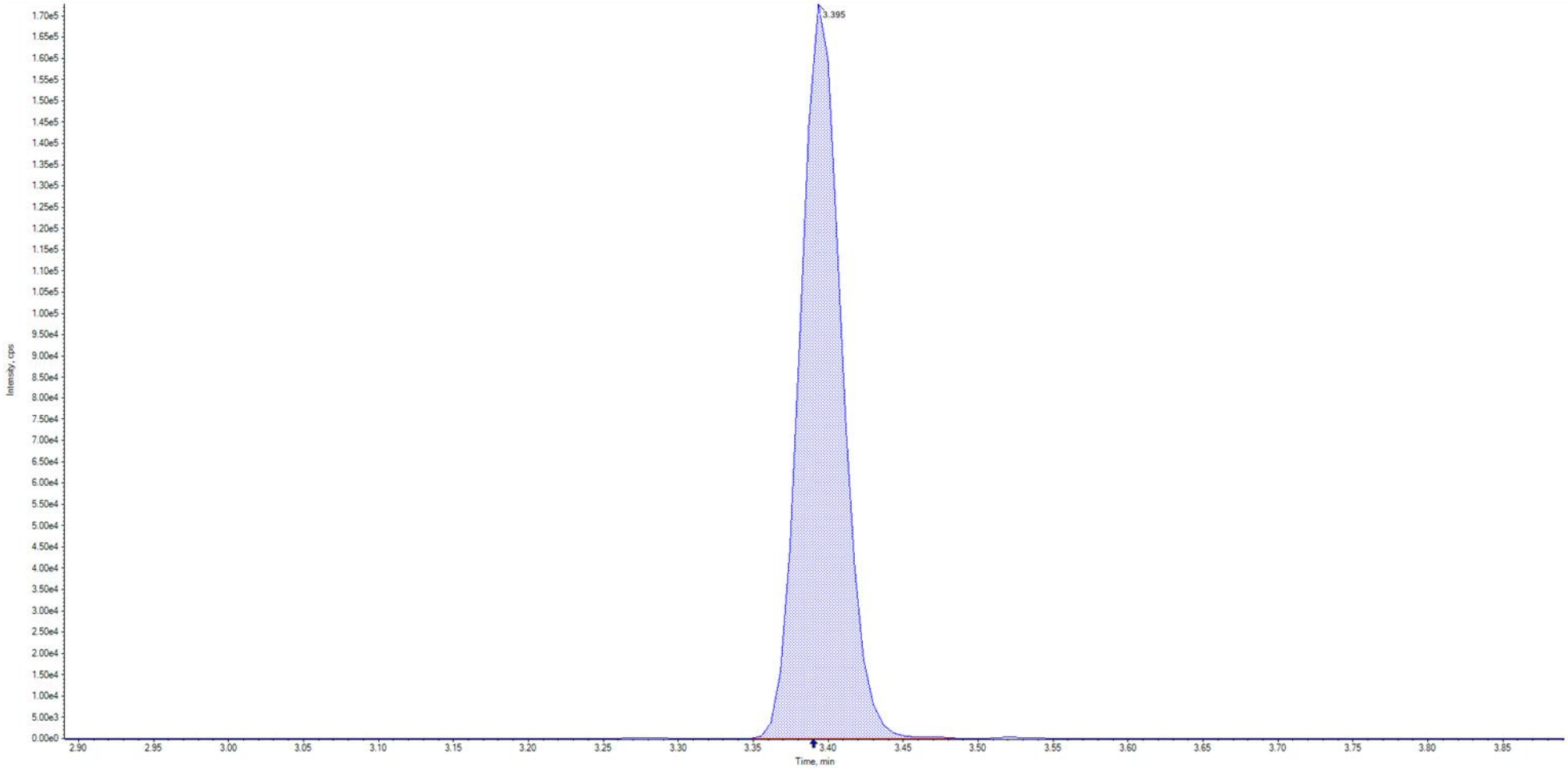


18O2-PFHxS
Sample: IA1633STD-50



13C4-PFOS
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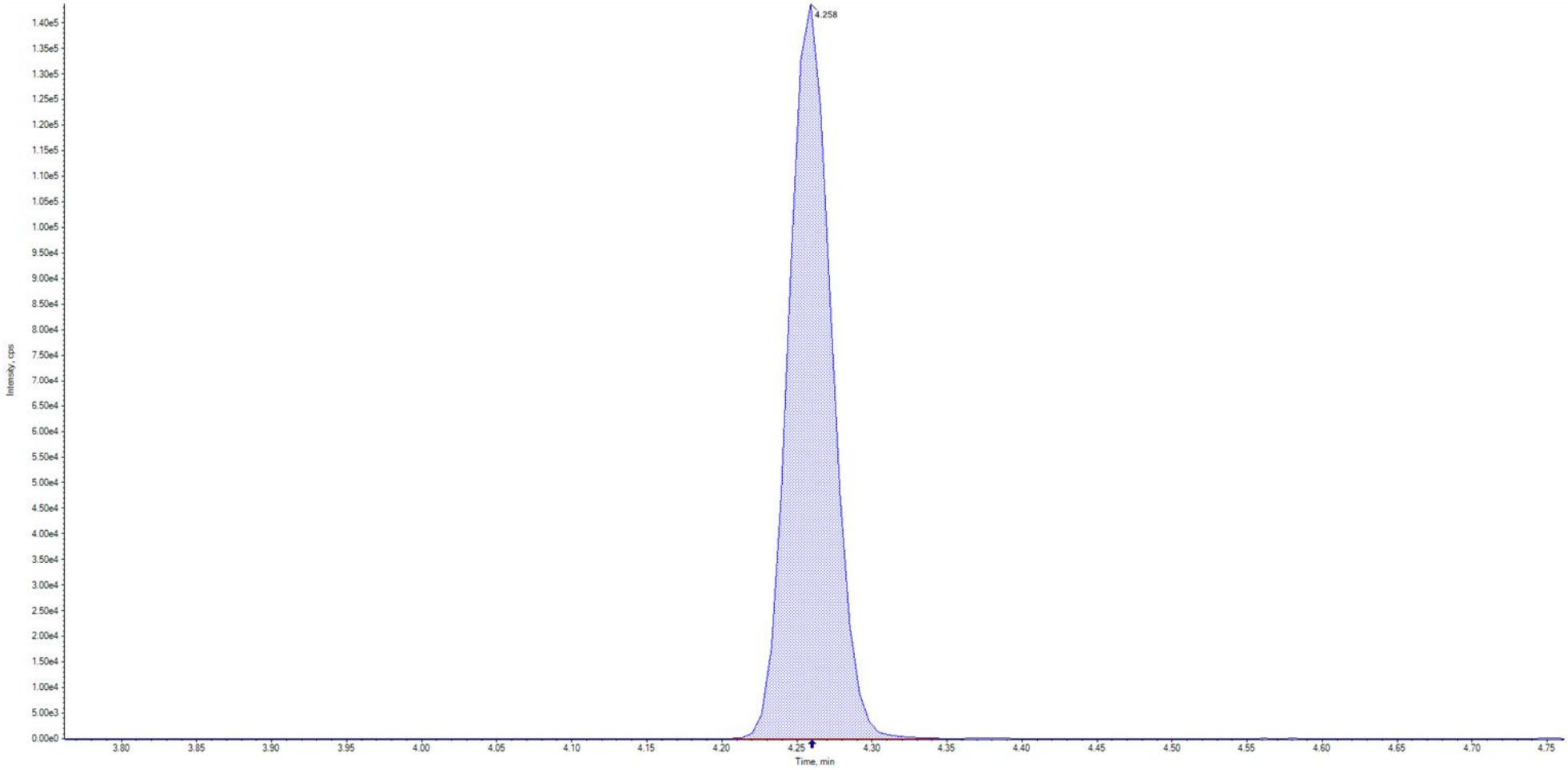

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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Calibration: 241115_EPA1633_ICAL

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Date & Time: 2024-11-15T14:12:38
Description: WG1997639,,EPA1633F_241008_L9
Instrument: SCIEX Triple Quad 5500+
User: LCMS05:PNB

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.66	213.0 / 169.0	35954203		231.790	N/A	N/A	N/A	92.7
2	PFPeA	2706-90-3	1.33	263.0 / 219.0	20075280		114.724	0.007	N/A	N/A	91.8
3	PFPeA_2	2706-90-3	1.33	263.0 / 68.9	147914		113.886	0.007	N/A	N/A	91.1
4	PFHxA	307-24-4	2.17	313.0 / 269.0	15217825		50.933	0.076	0.089	Pass	81.5
5	PFHxA_2	307-24-4	2.17	313.0 / 119.0	1149931		52.139	0.076	0.089	Pass	83.4
6	PFHpA	375-85-9	2.83	363.1 / 319.0	16513667		47.703	0.329	0.332	Pass	76.3
7	PFHpA_2	375-85-9	2.83	363.1 / 169.0	5438385		49.004	0.329	0.332	Pass	78.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.29	413.1 / 369.1	17808114	M5	57.470	0.374	0.369	Pass	92.0
9	PFOA_2	335-67-1	3.29	413.1 / 169.0	6666084	M5	58.267	0.374	0.369	Pass	93.2
10	PFNA	375-95-1	3.70	462.8 / 418.9	15926557		57.255	0.308	0.303	Pass	91.6
11	PFNA_2	375-95-1	3.70	462.8 / 219.0	4901448	M5	59.053	0.308	0.303	Pass	94.5
12	PFDA	335-76-2	4.11	513.1 / 469.1	15768448		56.004	0.163	0.162	Pass	89.6
13	PFDA_2	335-76-2	4.11	513.1 / 219.0	2568319		55.251	0.163	0.162	Pass	88.4
14	PFUnA	2058-94-8	4.50	563.1 / 519.1	11630237		55.698	0.195	0.199	Pass	89.1
15	PFUnA_2	2058-94-8	4.50	563.1 / 269.0	2270234		56.038	0.195	0.199	Pass	89.7
16	PFDoA	307-55-1	4.89	613.1 / 569.1	12540666		51.350	0.191	0.180	Pass	82.2
17	PFDoA_2	307-55-1	4.89	613.1 / 319.0	2392560		52.969	0.191	0.180	Pass	84.8
18	PFTrDA	72629-94-8	5.27	663.1 / 619.1	12033694		49.691	0.162	0.160	Pass	79.5
19	PFTrDA_2	72629-94-8	5.27	663.1 / 169.0	1945666		49.898	0.162	0.160	Pass	79.8
20	PFTeDA	376-06-7	5.65	713.1 / 669.1	13084710		48.965	0.149	0.149	Pass	78.3
21	PFTeDA_2	376-06-7	5.65	713.1 / 169.0	1951129		50.033	0.149	0.149	Pass	80.1
22	PFBS	375-73-5	2.16	299.1 / 80.1	9006376		52.595	0.397	0.388	Pass	94.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.16	299.1 / 99.1	3572979		52.505	0.397	0.388	Pass	94.6
24	PFPeS	2706-91-4	2.89	349.1 / 80.1	9780856		53.721	0.289	0.297	Pass	91.4
25	PFPeS_2	2706-91-4	2.89	349.1 / 99.1	2827059		53.485	0.289	0.297	Pass	91.0
26	PFHxS	355-46-4	3.39	399.1 / 80.1	8101843		49.352	0.314	0.296	Pass	86.6
27	PFHxS_2	355-46-4	3.39	399.1 / 99.1	2547886		50.469	0.314	0.296	Pass	88.5
28	PFHpS	375-92-8	3.83	449.1 / 80.1	8296229		57.370	0.275	0.258	Pass	96.4
29	PFHpS_2	375-92-8	3.83	449.1 / 99.1	2279867		59.923	0.275	0.258	Pass	100.7
30	PFOS	1763-23-1	4.25	499.1 / 80.1	8780381	M5	55.025	0.231	0.233	Pass	94.9
31	PFOS_2	1763-23-1	4.25	499.1 / 99.1	2025670		56.905	0.231	0.233	Pass	98.1
32	PFNS	68259-12-1	4.66	549.1 / 80.1	6086973		57.951	0.290	0.296	Pass	96.6
33	PFNS_2	68259-12-1	4.66	549.1 / 99.1	1765201		57.387	0.290	0.296	Pass	95.7
34	PFDS	335-77-3	5.05	599.1 / 80.1	5994566		58.010	0.276	0.272	Pass	96.2
35	PFDS_2	335-77-3	5.05	599.1 / 99.1	1653881		57.129	0.276	0.272	Pass	94.7
36	PFDoS	79780-39-5	5.81	699.2 / 80.1	5918470		62.492	0.253	0.263	Pass	103.3
37	PFDoS_2	79780-39-5	5.81	699.2 / 99.1	1498951		60.308	0.253	0.263	Pass	99.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.93	327.1 / 307.1	12250895		201.511	0.565	0.559	Pass	86.1
39	4:2FTS_2	757124-72-4	1.93	327.1 / 81.1	6916367		201.564	0.565	0.559	Pass	86.1
40	6:2FTS	27619-97-2	3.11	427.2 / 407.2	9683180		191.604	0.637	0.593	Pass	80.5
41	6:2FTS_2	27619-97-2	3.11	427.2 / 81.1	6165823		196.577	0.637	0.593	Pass	82.6
42	8:2FTS	39108-34-4	3.92	527.2 / 507.2	6008991		181.545	0.775	0.759	Pass	75.6
43	8:2FTS_2	39108-34-4	3.92	527.2 / 81.1	4656426		189.458	0.775	0.759	Pass	78.9
44	PFOSA	754-91-6	5.27	498.1 / 78.1	11053128	M5	61.074	0.023	0.023	Pass	97.7
45	PFOSA_2	754-91-6	5.27	498.1 / 478.0	253366	M5	59.133	0.023	0.023	Pass	94.6
46	NMeFOSA	31506-32-8	5.99	512.2 / 219.0	2551488		59.146	1.426	1.457	Pass	94.6
47	NMeFOSA_2	31506-32-8	5.94	512.2 / 169.0	3638616		58.080	1.426	1.457	Pass	92.9
48	NEtFOSA	4151-50-2	6.27	526.2 / 219.0	2571867		58.256	1.301	1.309	Pass	93.2
49	NEtFOSA_2	4151-50-2	6.23	526.2 / 169.0	3345120		57.747	1.301	1.309	Pass	92.4
50	NMeFOSAA	2355-31-9	4.19	570.2 / 419.1	2184229		57.821	0.659	0.804	Pass	92.5
51	NMeFOSAA_2	2355-31-9	4.20	570.2 / 483.0	1439268	M5	49.922	0.659	0.804	Pass	79.9
52	NEtFOSAA	2991-50-6	4.39	584.2 / 419.1	2366612		60.180	0.435	0.419	Pass	96.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.39	584.2 / 526.2	1029683	M5	59.401	0.435	0.419	Pass	95.0
54	NMeFOSE	24448-09-7	5.86	616.1 / 58.9	74197675	M5	564.858	N/A	N/A	N/A	90.4
55	NEtFOSE	1691-99-2	6.15	630.0 / 58.9	113319505		543.271	N/A	N/A	N/A	86.9
56	HFPO-DA	13252-13-6	2.43	285.0 / 169.0	32020843		225.358	0.555	0.685	Pass	90.1
57	HFPO-DA_2	13252-13-6	2.43	285.0 / 184.9	17775272		191.105	0.555	0.685	Pass	76.4
58	ADONA	919005-14-4	3.00	376.9 / 251.0	66885676		224.264	0.723	0.884	Pass	94.9
59	ADONA_2	919005-14-4	3.00	376.9 / 84.8	48383477		161.266	0.723	0.884	Pass	68.3
60	9Cl-PF3ONS	756426-58-1	4.53	530.8 / 351.1	62392737		181.273	0.335	0.325	Pass	77.8
61	9Cl-PF3ONS_2	756426-58-1	4.53	532.8 / 353.0	20909804		186.290	0.335	0.325	Pass	80.0
62	11Cl-PF3OUdS	763051-92-9	5.32	630.9 / 451.0	42353737		187.091	0.365	0.338	Pass	79.3
63	11Cl-PF3OUdS_2	763051-92-9	5.31	632.9 / 452.9	15453108		194.557	0.365	0.338	Pass	82.4
64	3:3FTCA	356-02-5	1.71	241.1 / 177.1	3802191		383.761	1.280	1.433	Pass	122.8
65	3:3FTCA_2	356-02-5	1.71	241.1 / 117.0	4865437		319.312	1.280	1.433	Pass	102.2
66	5:3FTCA	914637-49-3	3.24	341.1 / 237.1	80705017		1143.461	0.961	0.935	Pass	73.2
67	5:3FTCA_2	914637-49-3	3.24	341.1 / 217.0	77570368		1187.447	0.961	0.935	Pass	76.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.18	441.1 / 316.9	75842820		1327.593	1.191	1.712	Pass	85.0
69	7:3FTCA_2	812-70-4	4.18	441.1 / 337.1	90328493		1361.535	1.191	1.712	Pass	87.1
70	PFEESA	113507-82-7	2.53	315.1 / 135.0	54220696		92.076	0.088	0.084	Pass	82.2
71	PFEESA_2	113507-82-7	2.53	315.1 / 82.9	4797814		95.597	0.088	0.084	Pass	85.4
72	PFMPA	377-73-1	0.83	229.0 / 85.0	25918452		124.721	N/A	N/A	N/A	99.8
73	PFMBA	863090-89-5	1.64	279.0 / 85.0	30074560		118.779	N/A	N/A	N/A	95.0
74	NFDHA	151772-58-6	2.08	295.0 / 201.0	9801386		96.347	0.830	0.781	Pass	77.1
75	NFDHA_2	151772-58-6	2.08	295.0 / 84.9	8139459		104.163	0.830	0.781	Pass	83.3
76	TDCA	516-50-7	2.97	499.1 / 124.1	3518003		10.548	5.414	5.150	Pass	105.5
77	TDCA_2	516-50-7	2.97	499.1 / 79.9	19046351		10.868	5.414	5.150	Pass	108.7
78	13C2D4-4:2FTS	Surr	1.92	333.2 / 312.1	165946		4.667	N/A	N/A	N/A	93.3
79	13C2-PFOA	Surr	3.28	415.0 / 370.0	391536		2.339	N/A	N/A	N/A	93.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.65	217.0 / 172.0	1839125		9.963	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	1.33	268.0 / 223.0	1010710		4.720	NA	NA	NA	94.4
	13C5-PFHxA	EIS	2.16	318.0 / 273.0	487400		2.648	NA	NA	NA	105.9
	13C4-PFHpA	EIS	2.83	367.0 / 322.0	363388		2.875	NA	NA	NA	115.0
	13C8-PFOA	EIS	3.28	420.8 / 376.0	1064947		2.228	NA	NA	NA	89.1
	13C9-PFNA	EIS	3.70	472.0 / 427.0	410587		1.153	NA	NA	NA	92.2
	13C6-PFDA	EIS	4.10	519.0 / 474.0	430144		1.270	NA	NA	NA	101.6
	13C7-PFUnA	EIS	4.50	570.0 / 525.0	338720		1.158	NA	NA	NA	92.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.88	615.1 / 570.0	319859		1.313	NA	NA	NA	105.1
	13C2-PFTeDA	EIS	5.65	715.1 / 670.1	298266		1.368	NA	NA	NA	109.4
	13C3-PFBS	EIS	2.15	302.1 / 80.1	416815		2.220	NA	NA	NA	95.3
	13C3-PFHxS	EIS	3.38	402.1 / 80.1	389893		2.396	NA	NA	NA	101.1
	13C8-PFOS	EIS	4.25	507.1 / 80.1	385196		2.152	NA	NA	NA	89.7
	13C2-4:2FTS	EIS	1.93	329.1 / 81.1	155365		4.986	NA	NA	NA	106.3
	13C2-6:2FTS	EIS	3.11	429.2 / 81.1	153141		5.319	NA	NA	NA	111.7
	13C2-8:2FTS	EIS	3.92	529.2 / 81.1	143816		5.559	NA	NA	NA	115.8

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.27	506.1 / 78.1	655853		2.298	NA	NA	NA	91.9
d3-NMeFOSA	EIS	5.98	515.2 / 219.0	104931		2.500	NA	NA	NA	100.0
d5-NEtFOSA	EIS	6.26	531.2 / 219.0	102228		2.613	NA	NA	NA	104.5
d3-NMeFOSAA	EIS	4.19	573.2 / 419.1	257677		5.834	NA	NA	NA	116.7
d5-NEtFOSAA	EIS	4.38	589.3 / 419.1	203815		4.797	NA	NA	NA	95.9
d7-NMeFOSE	EIS	5.84	623.2 / 58.9	1271207		25.625	NA	NA	NA	102.5
d9-NEtFOSE	EIS	6.12	639.2 / 58.9	1820837		25.329	NA	NA	NA	101.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.43	287.0 / 169.0	1538473		11.472	NA	NA	NA	114.7
	13C3-PFBA	NIS	0.65	216.0 / 172.0	821137		4.151	NA	NA	NA	83.0
	13C2-PFHxA	NIS	2.16	315.0 / 270.0	643490		2.448	NA	NA	NA	97.9
	13C4-PFOA	NIS	3.28	417.0 / 372.0	470715		2.717	NA	NA	NA	108.7
	13C5-PFNA	NIS	3.70	468.0 / 423.0	401713		1.291	NA	NA	NA	103.3
	13C2-PFDA	NIS	4.10	515.1 / 470.1	393884		1.243	NA	NA	NA	99.5
	18O2-PFHxS	NIS	3.38	403.1 / 84.1	329659		2.332	NA	NA	NA	98.4
	13C4-PFOS	NIS	4.25	503.1 / 80.1	310862		2.511	NA	NA	NA	104.6

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

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PFBA
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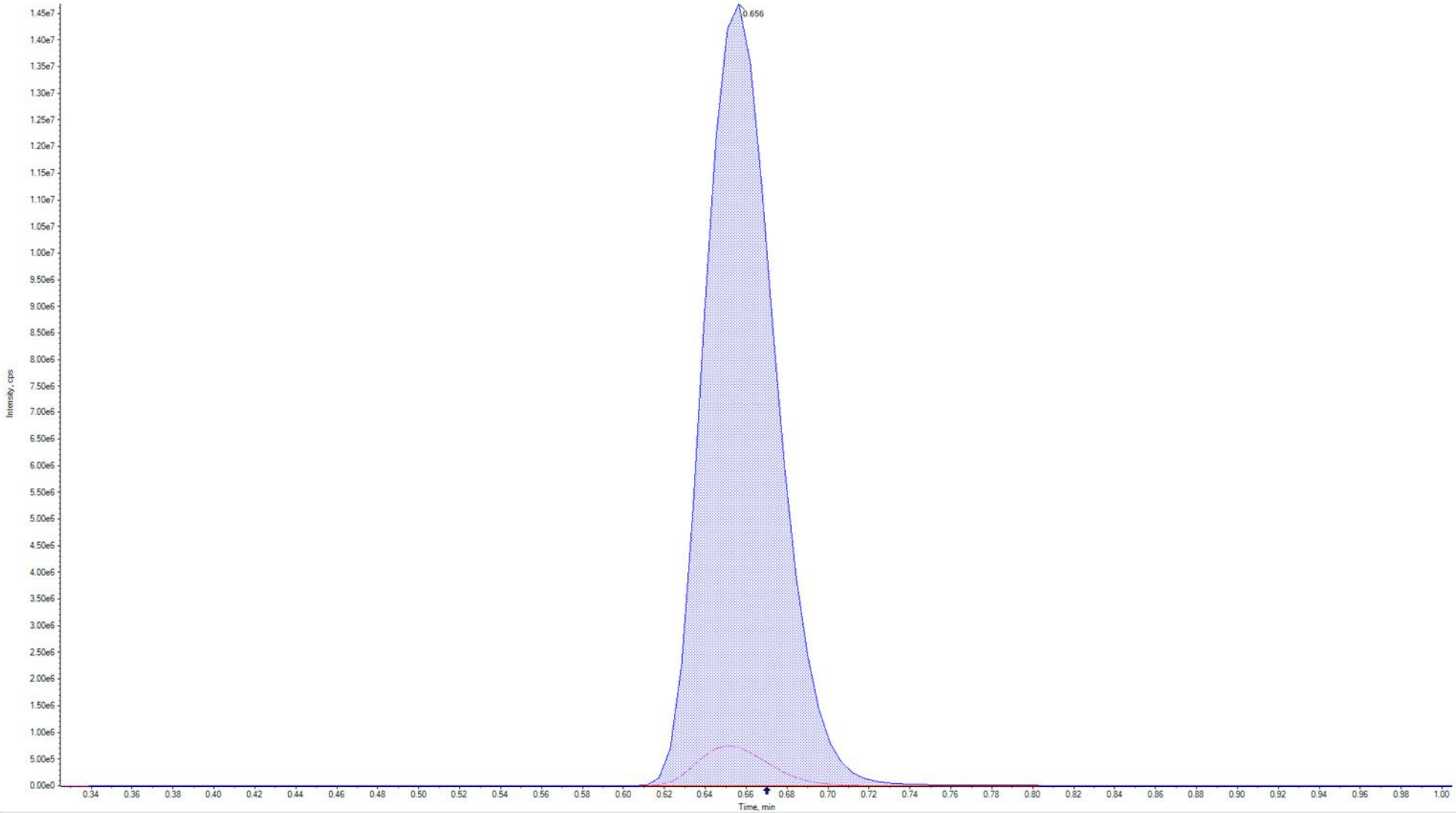

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PFPeA
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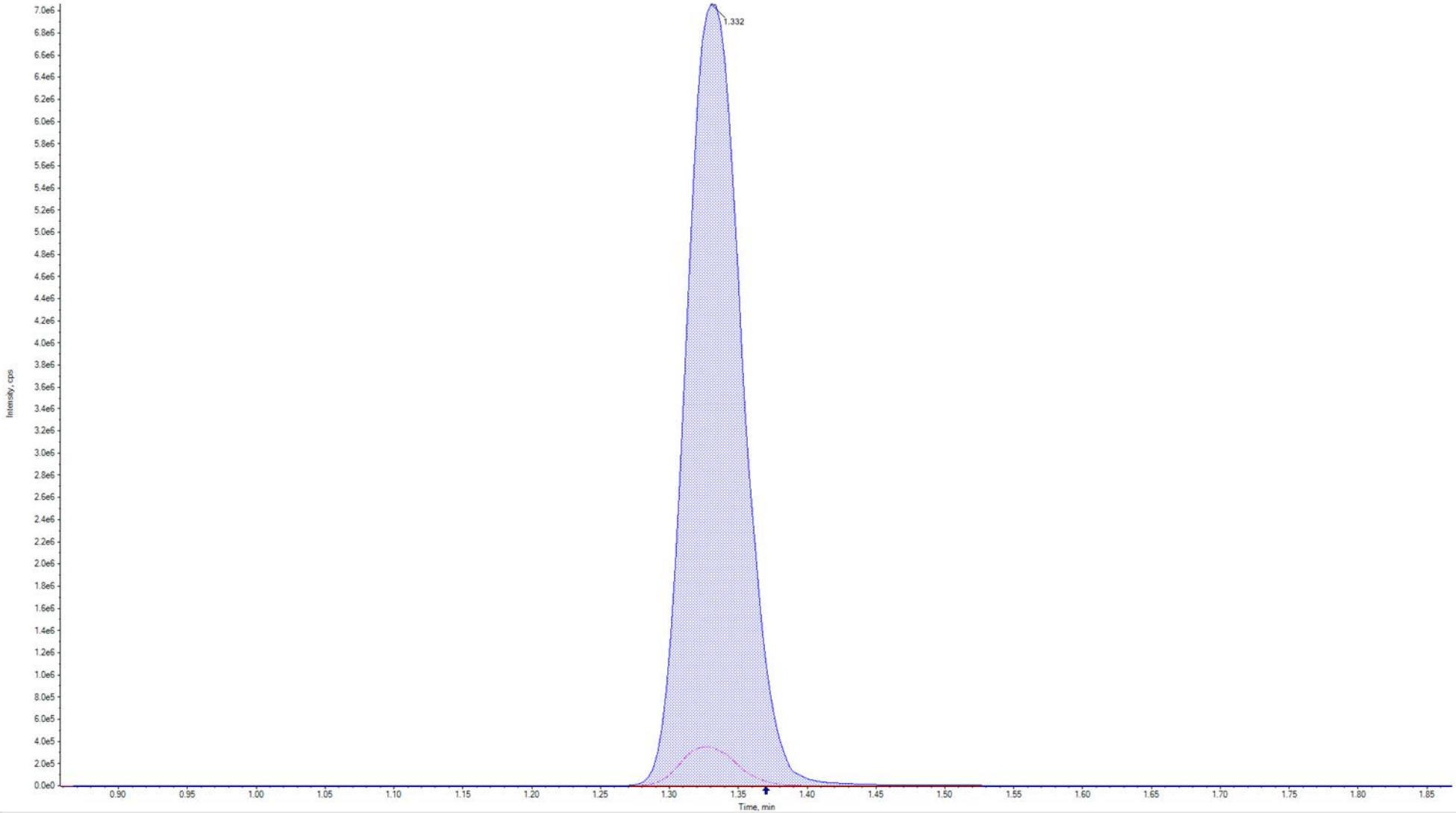

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PFPeA_2
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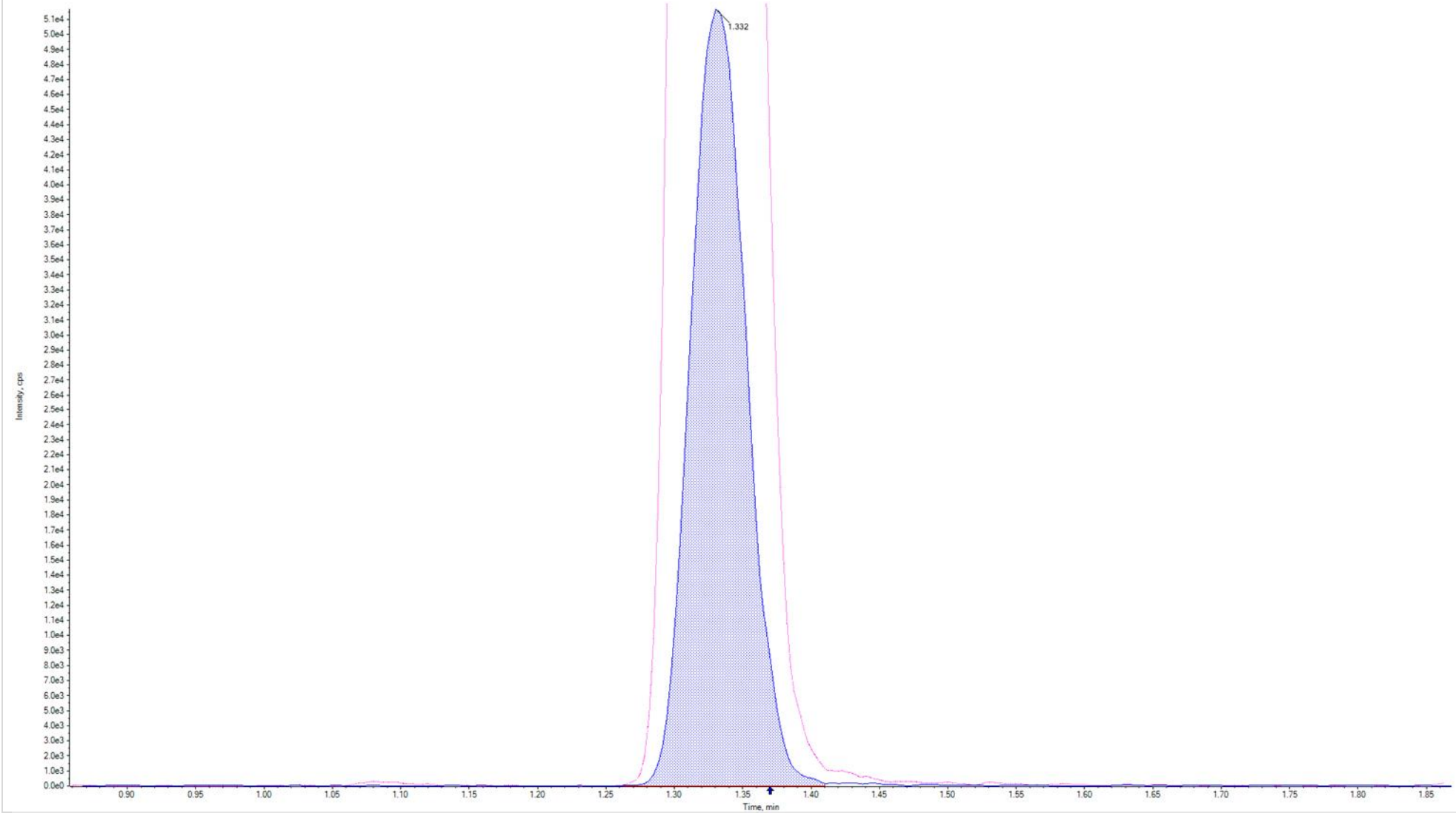

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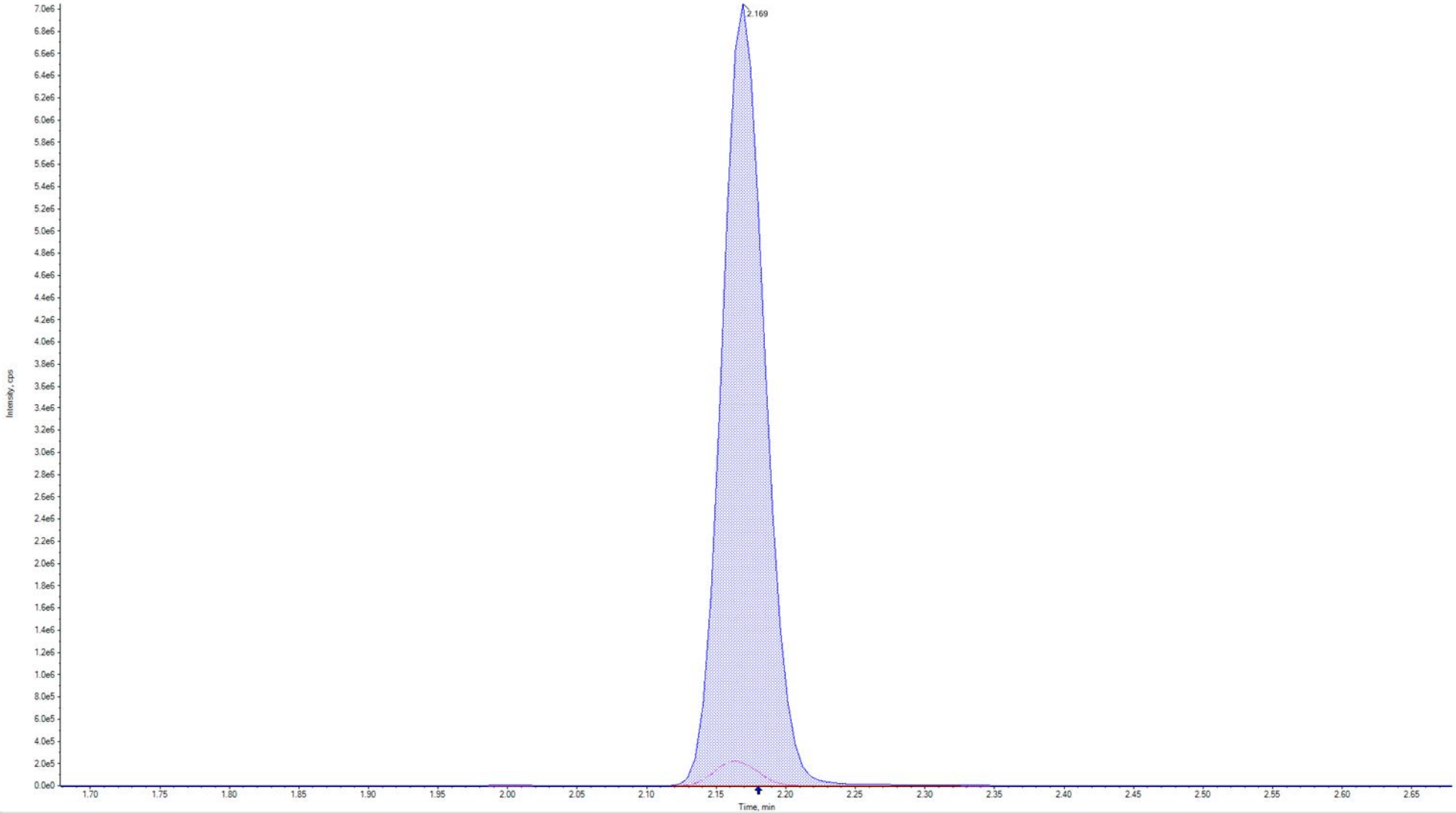
PFHxA
Sample: IA1633STD-62.5 S/N:11603.4 Points Across peak:46



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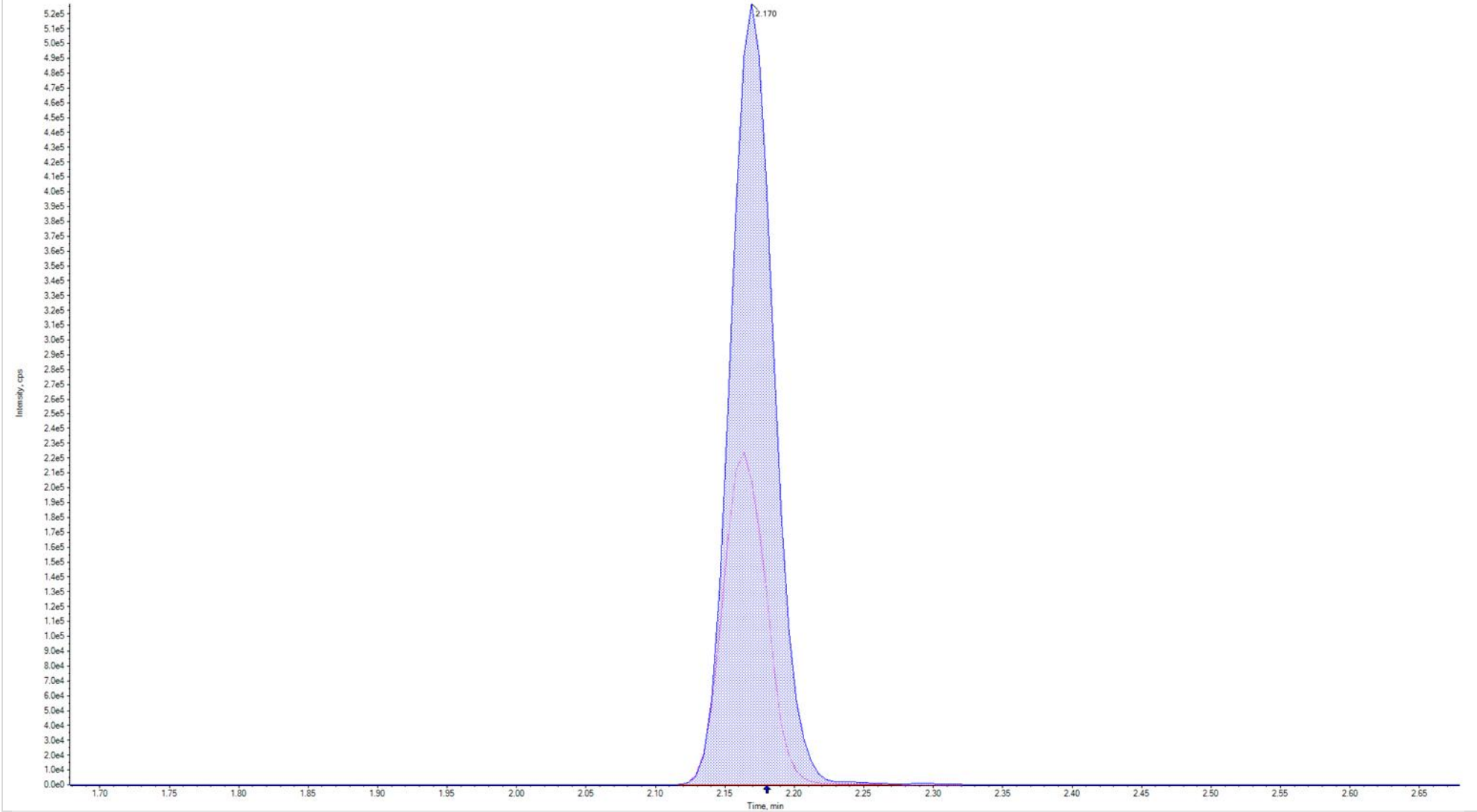
PFHxA_2
Sample: IA1633STD-62.5 S/N:13201.7 Points Across peak:33



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PFHpA
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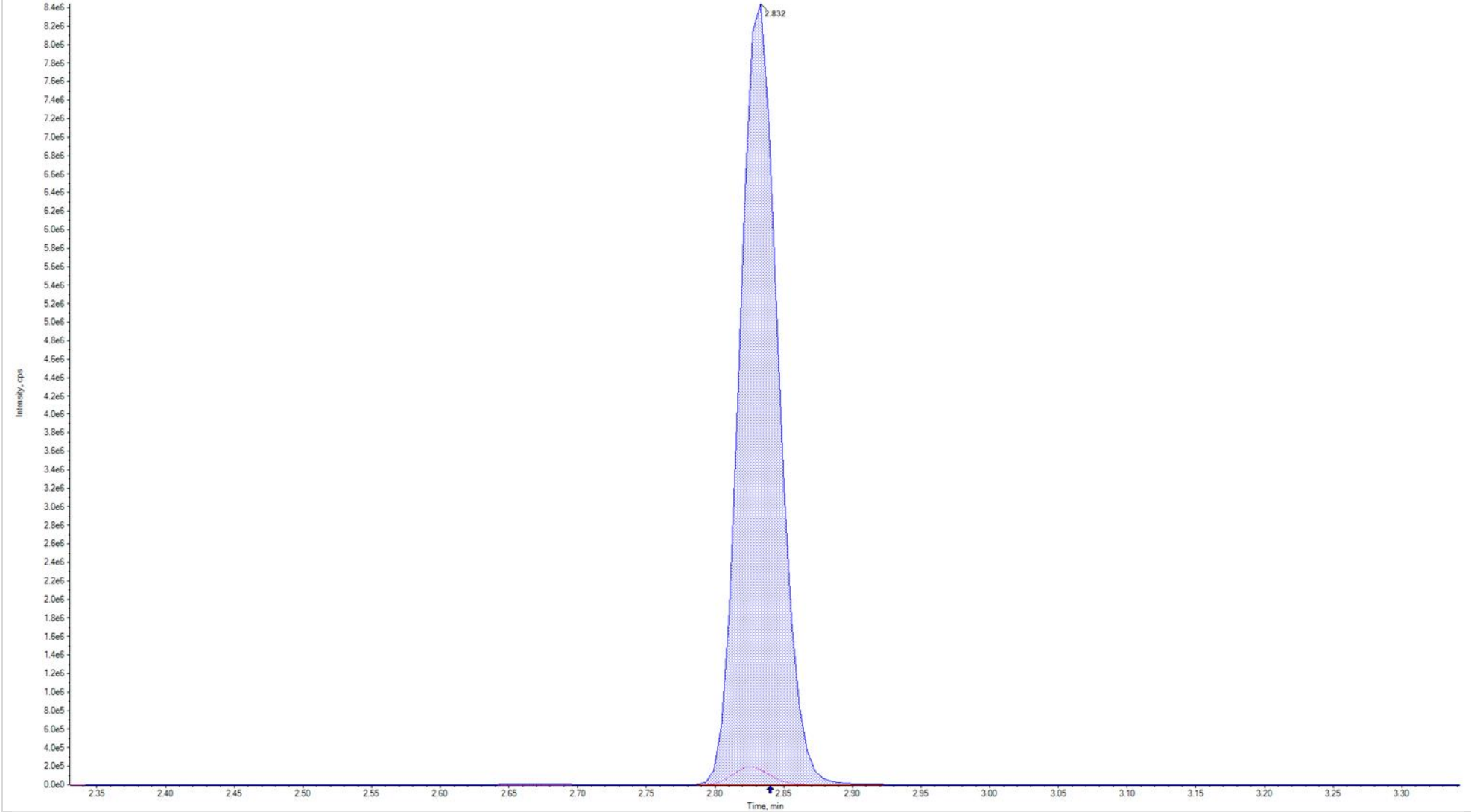

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PFHpA_2
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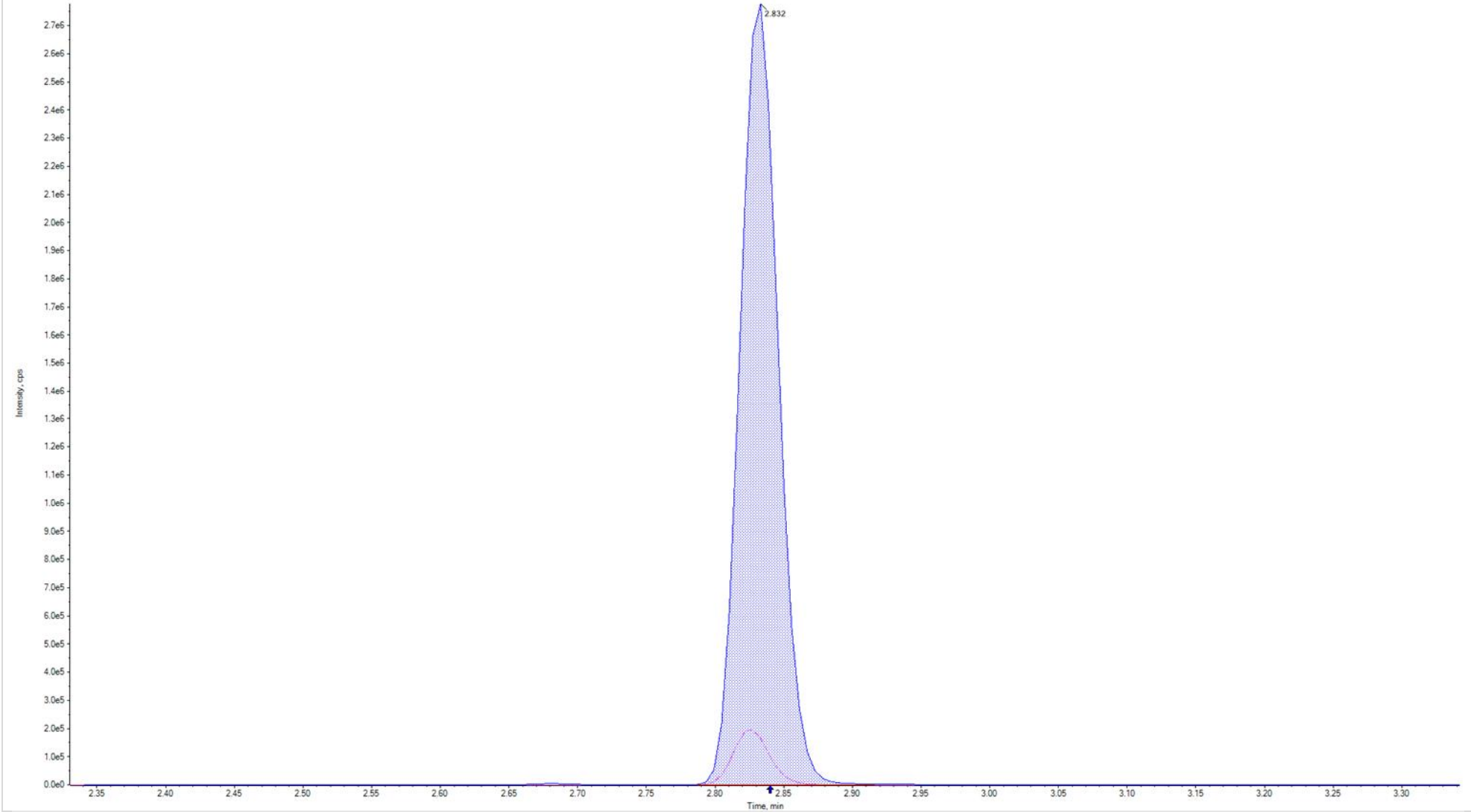

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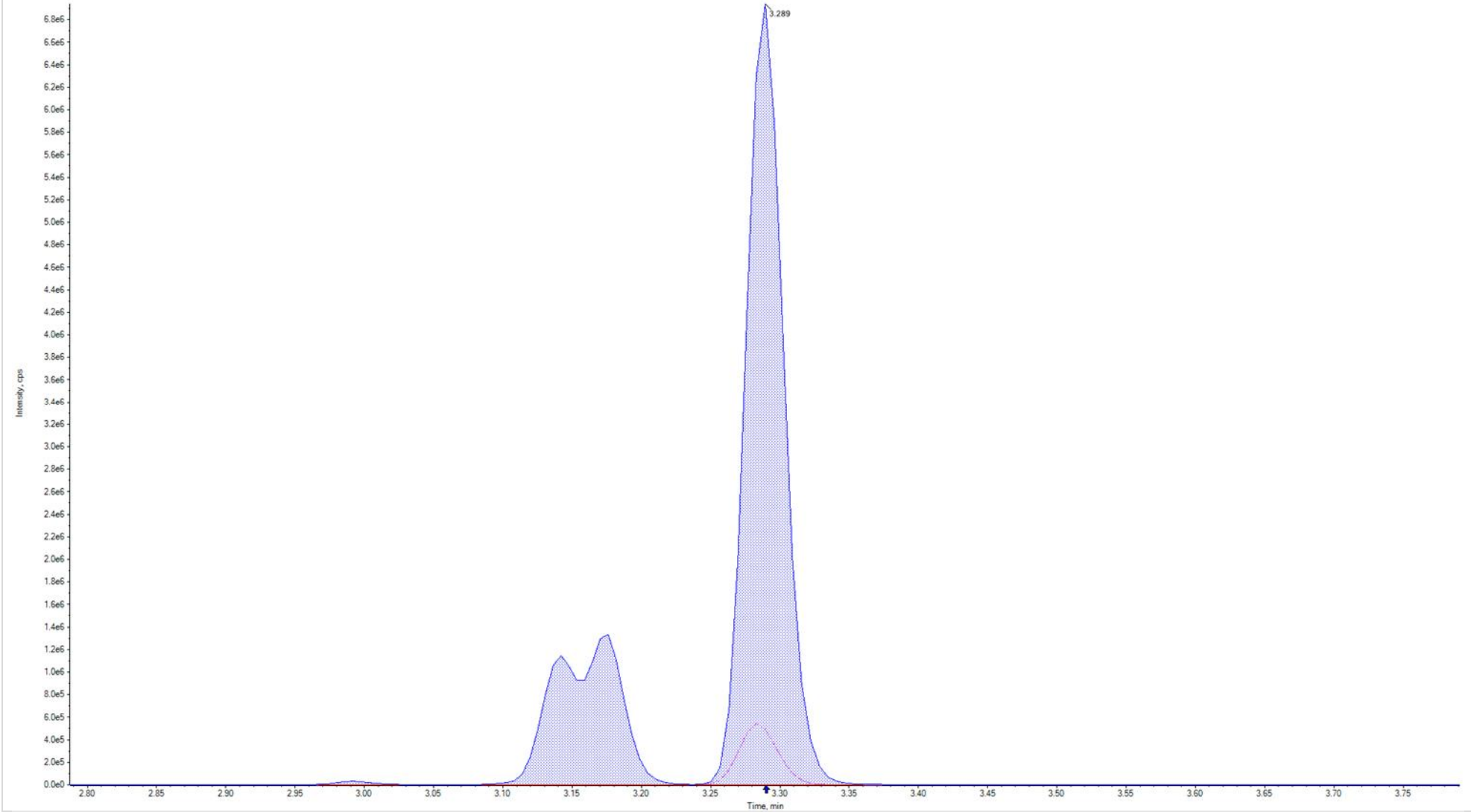
PFOA
Sample: IA1633STD-62.5 S/N:931.3 Points Across peak:66



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PFOA_2
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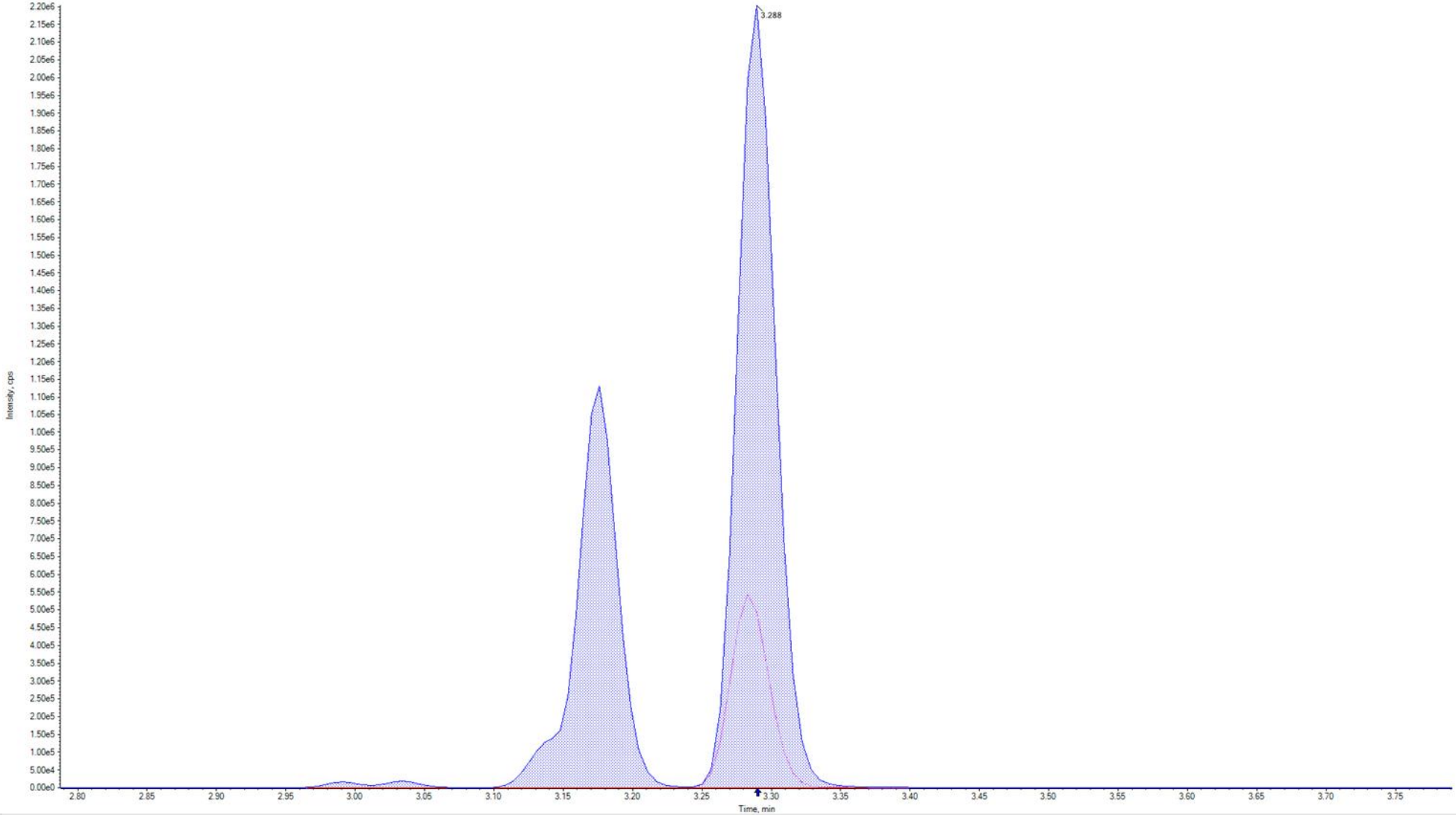

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PFNA
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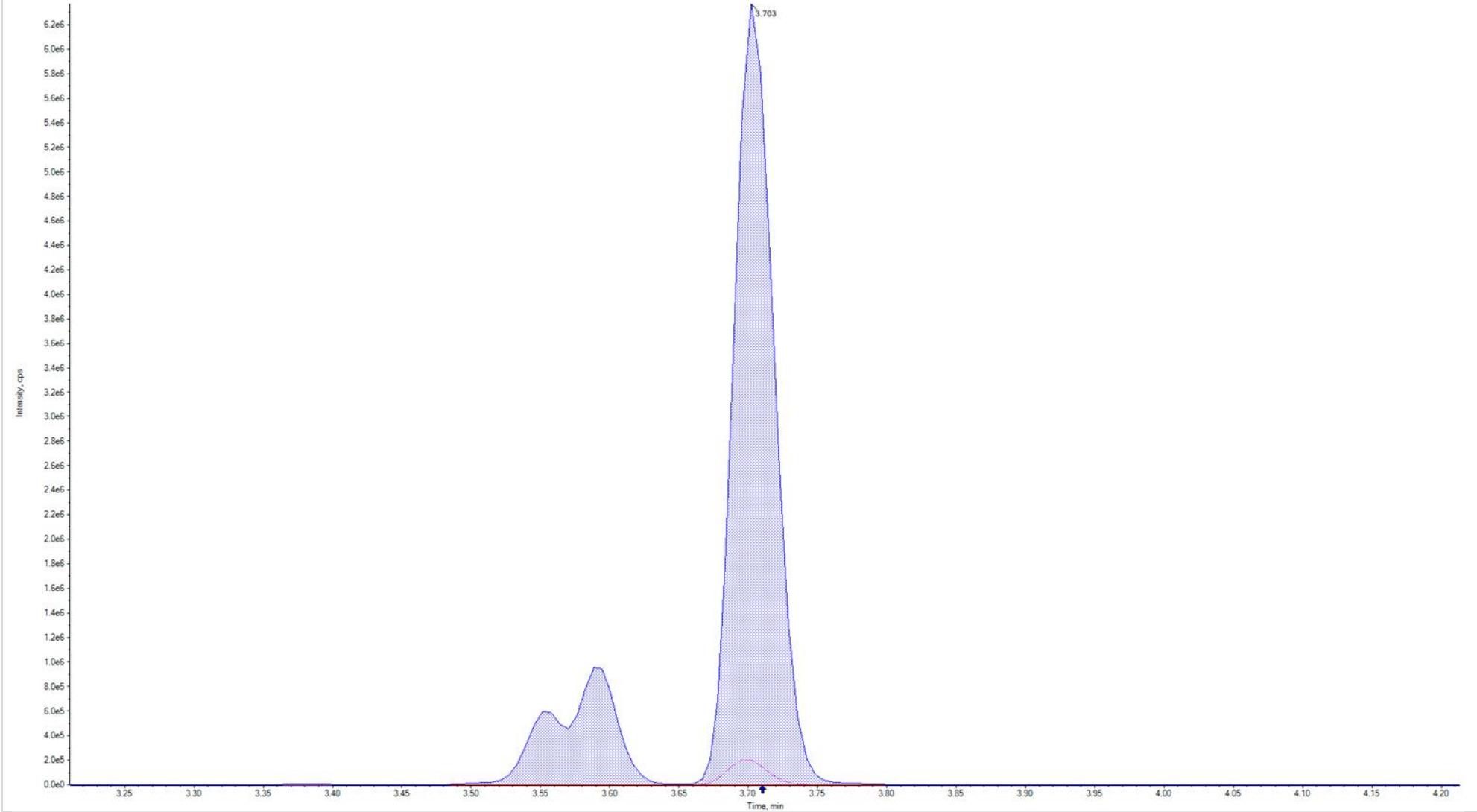

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PFNA_2
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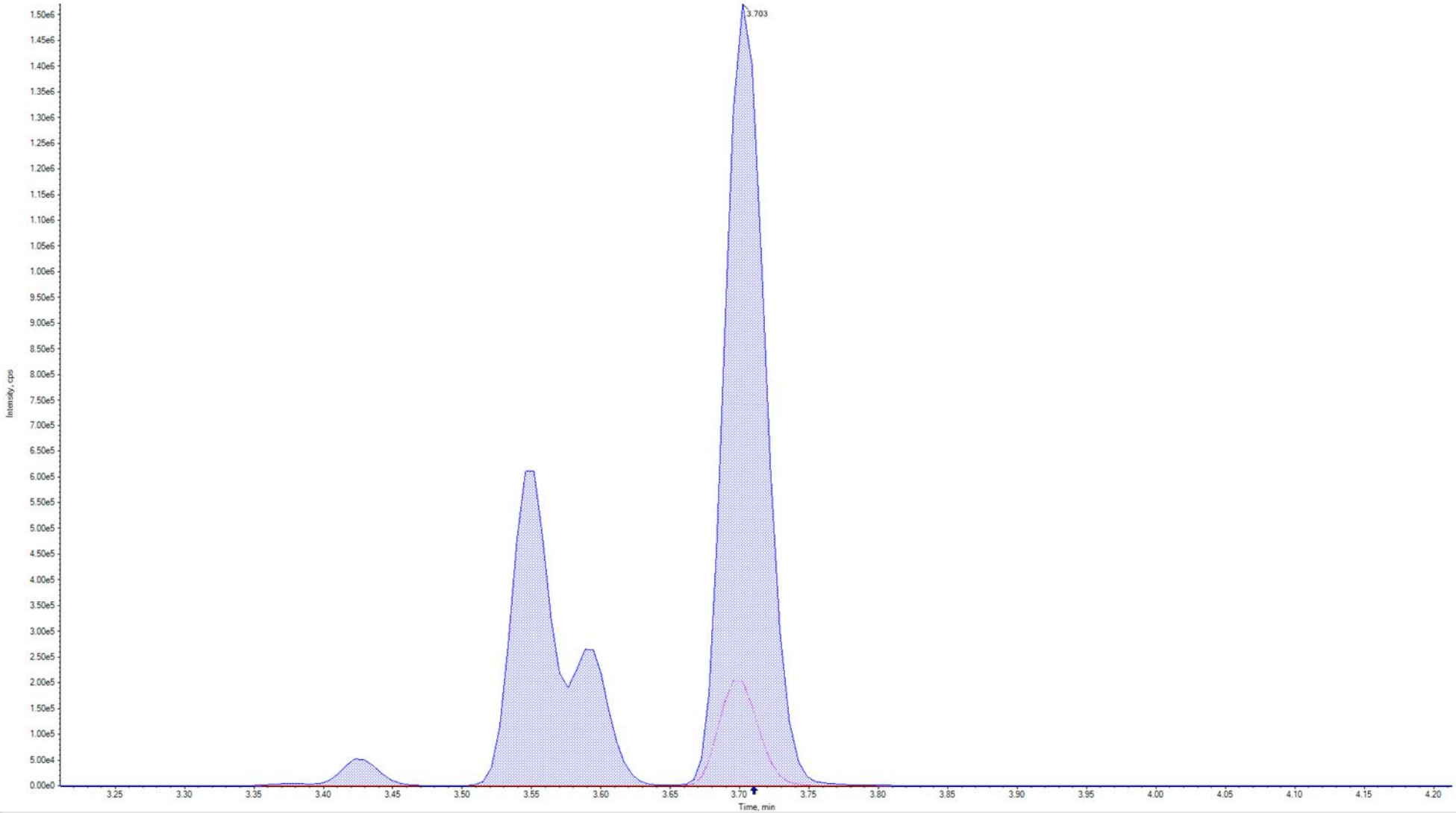

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PFDA
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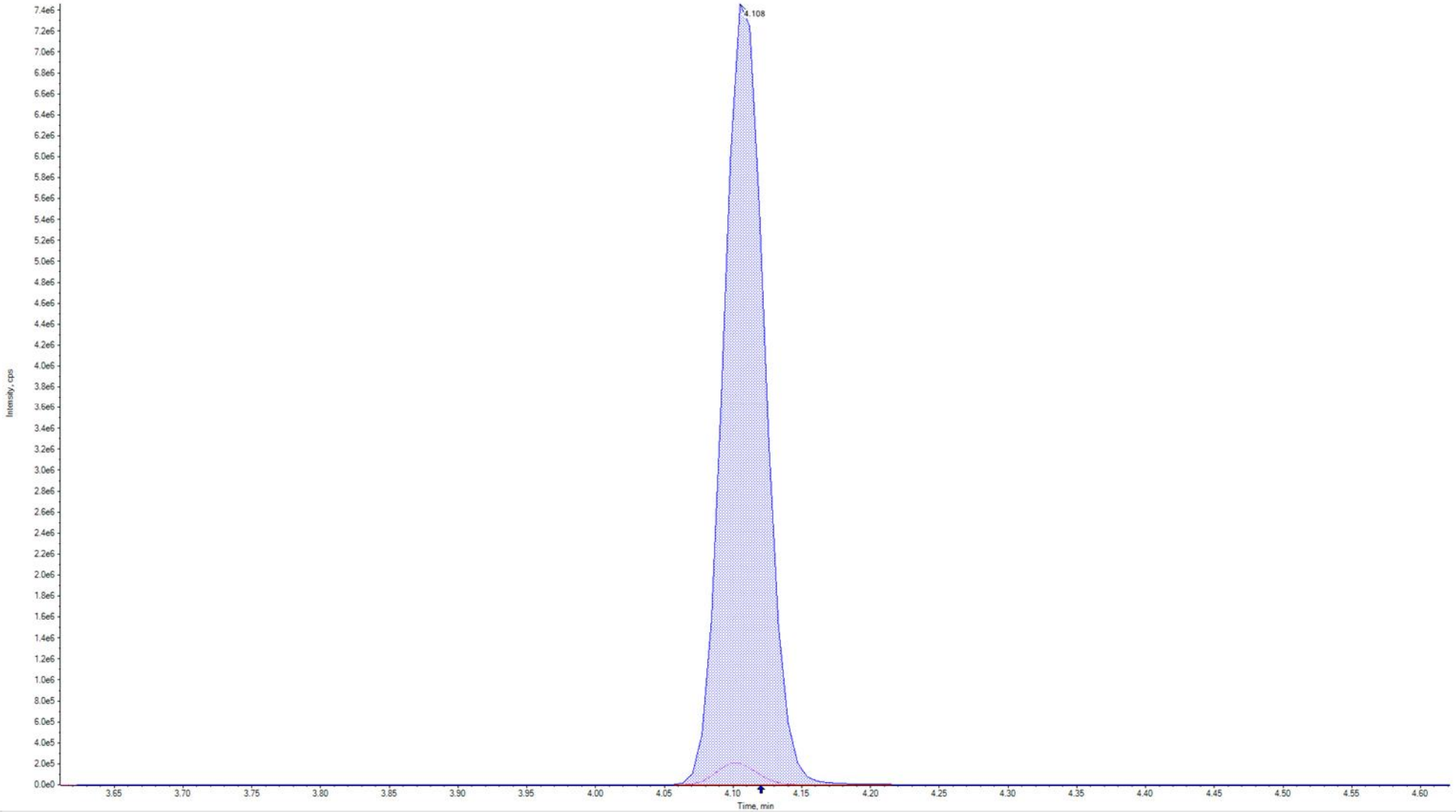

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PFDA_2
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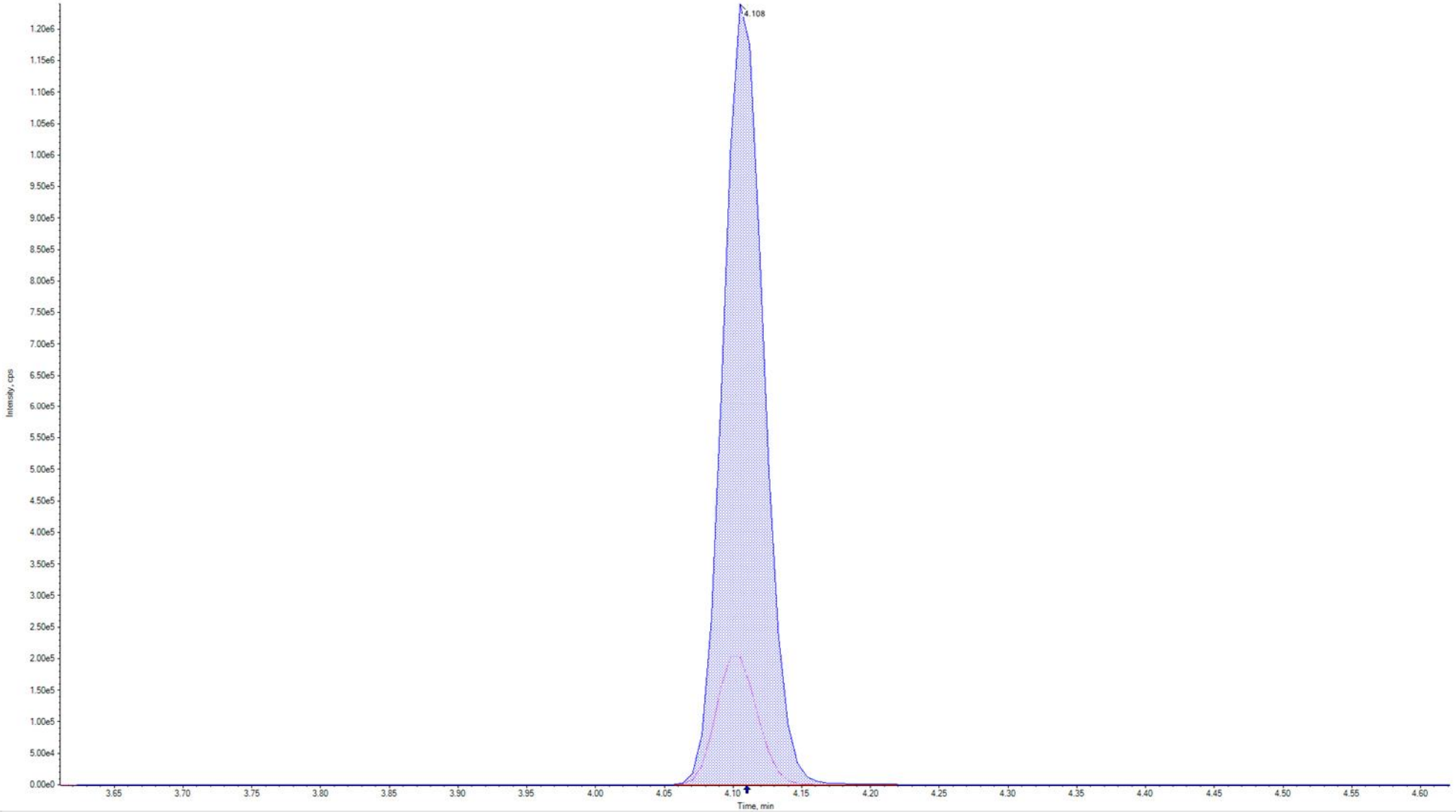

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PFUnA
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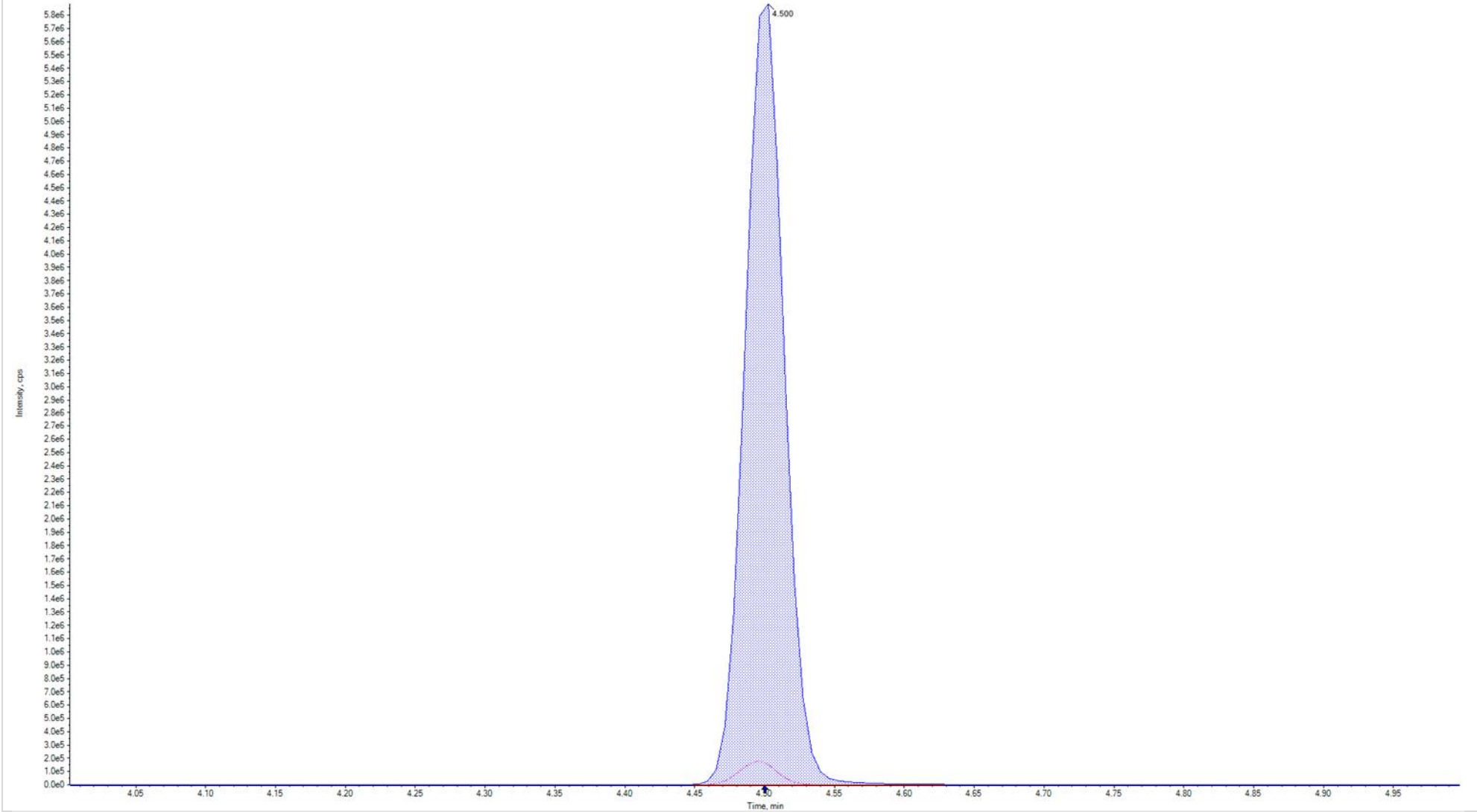

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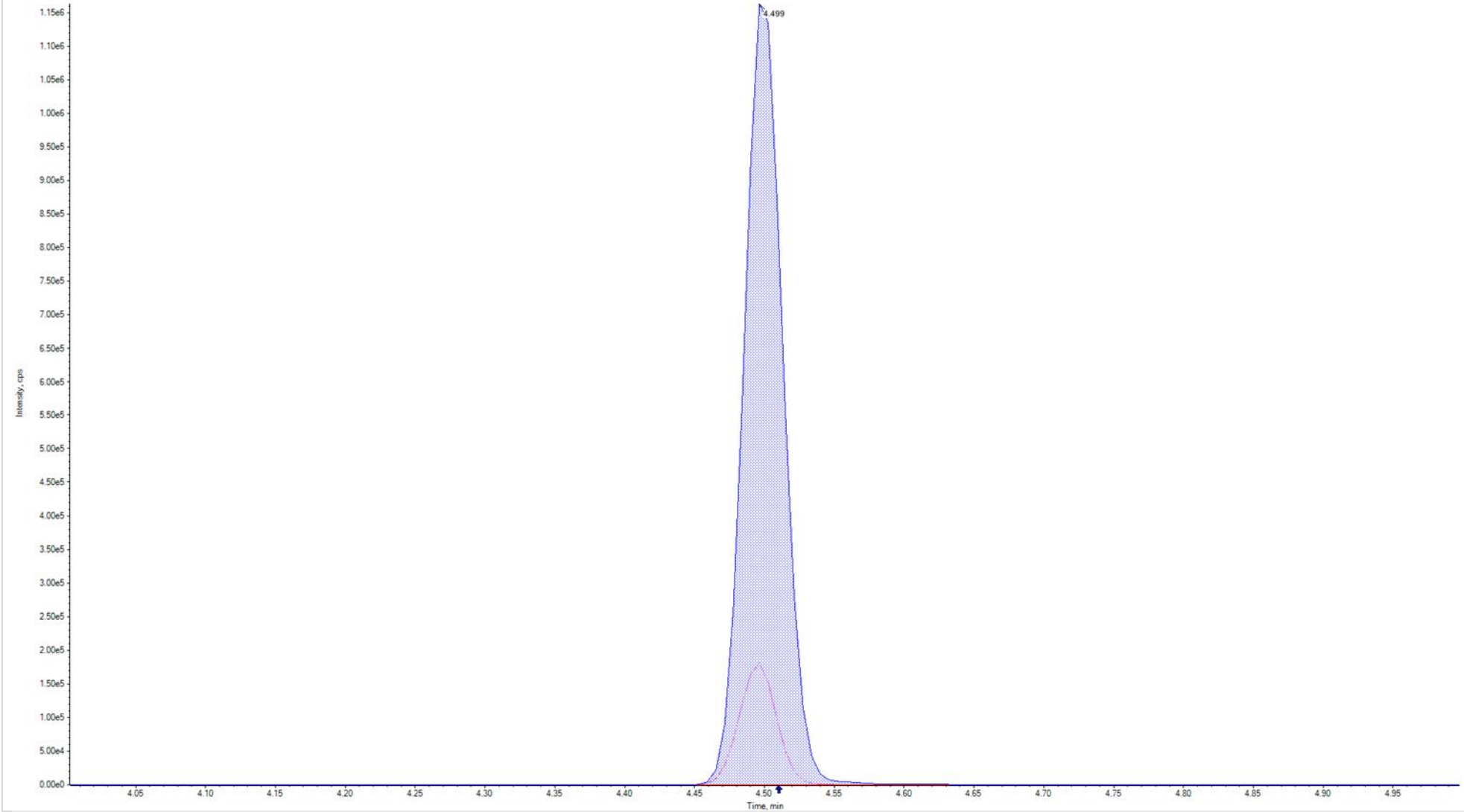
PFUnA_2
Sample: IA1633STD-62.5 S/N:10125.5 Points Across peak:35



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PFDoA
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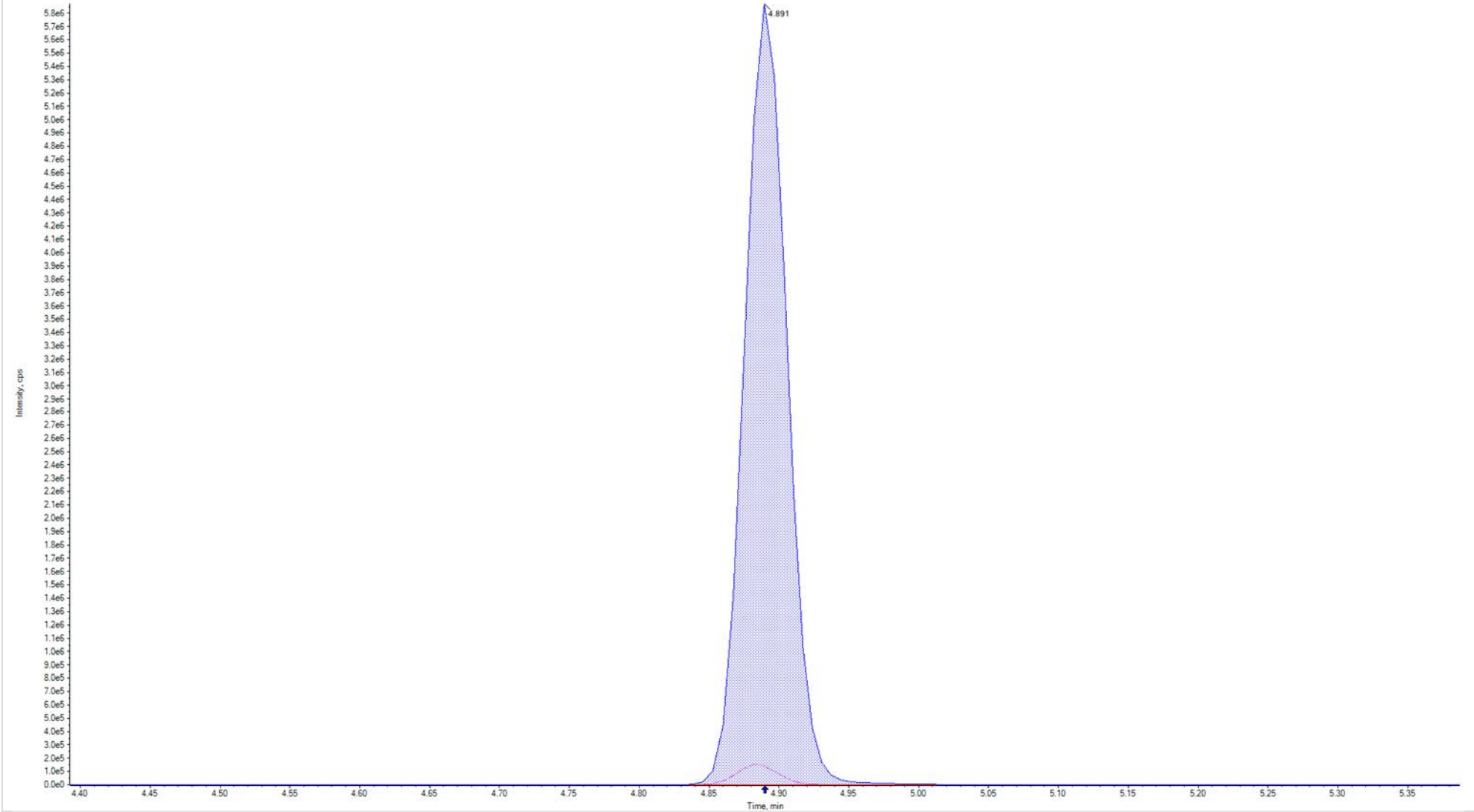

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFDoA_2
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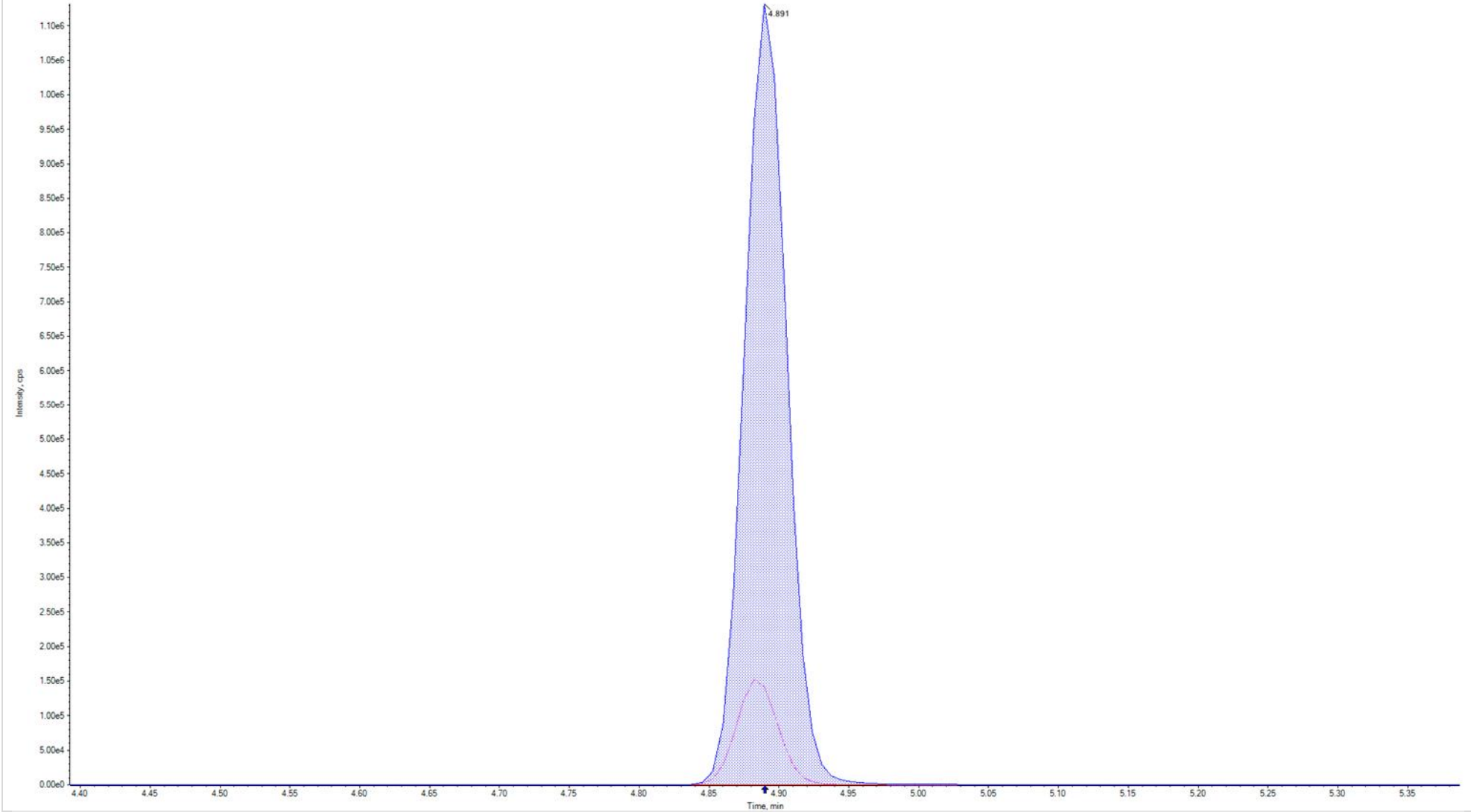
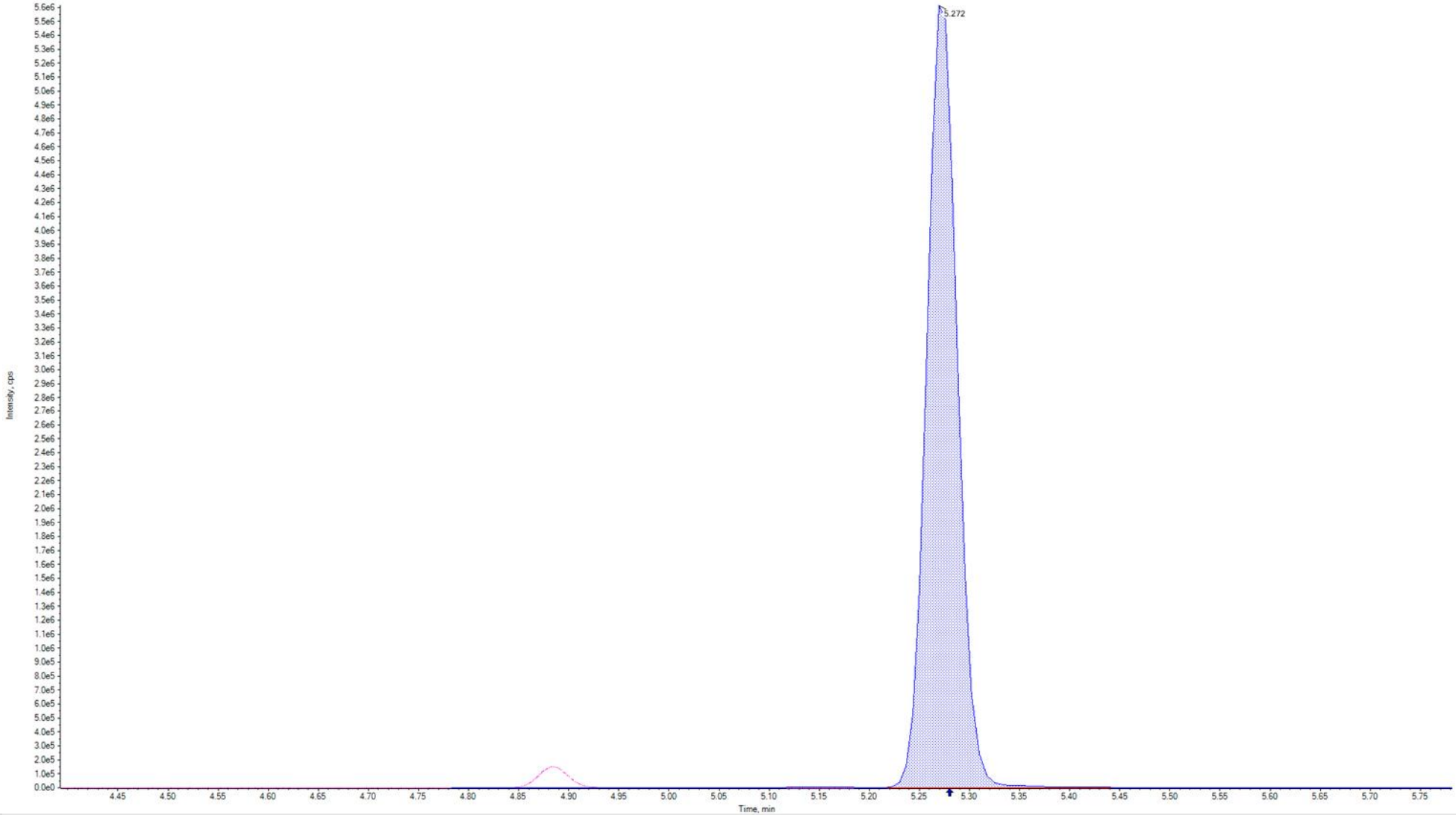


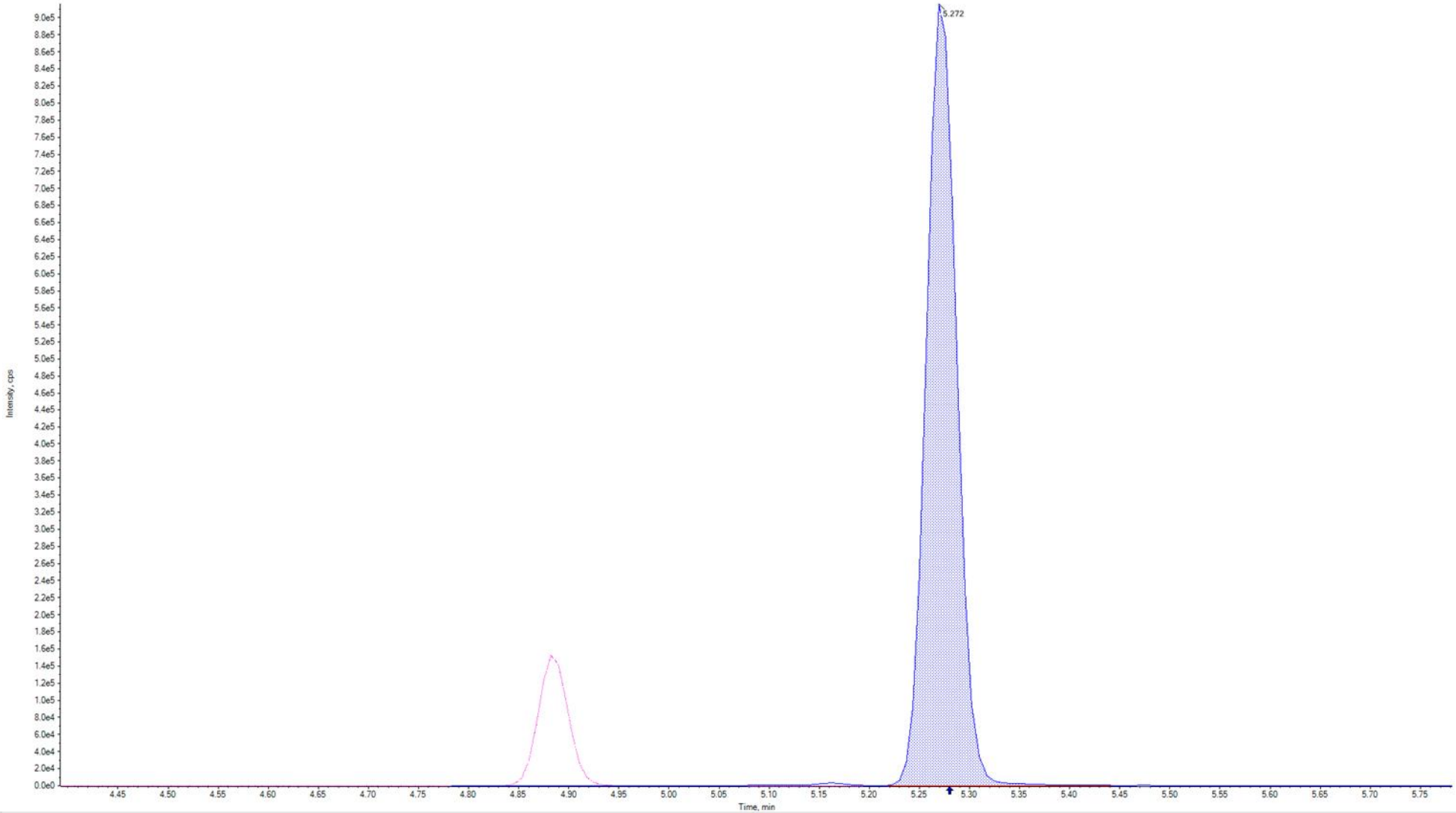
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

PFTrDA
Sample: IA1633STD-62.5 S/N:9690.4 Points Across peak:37



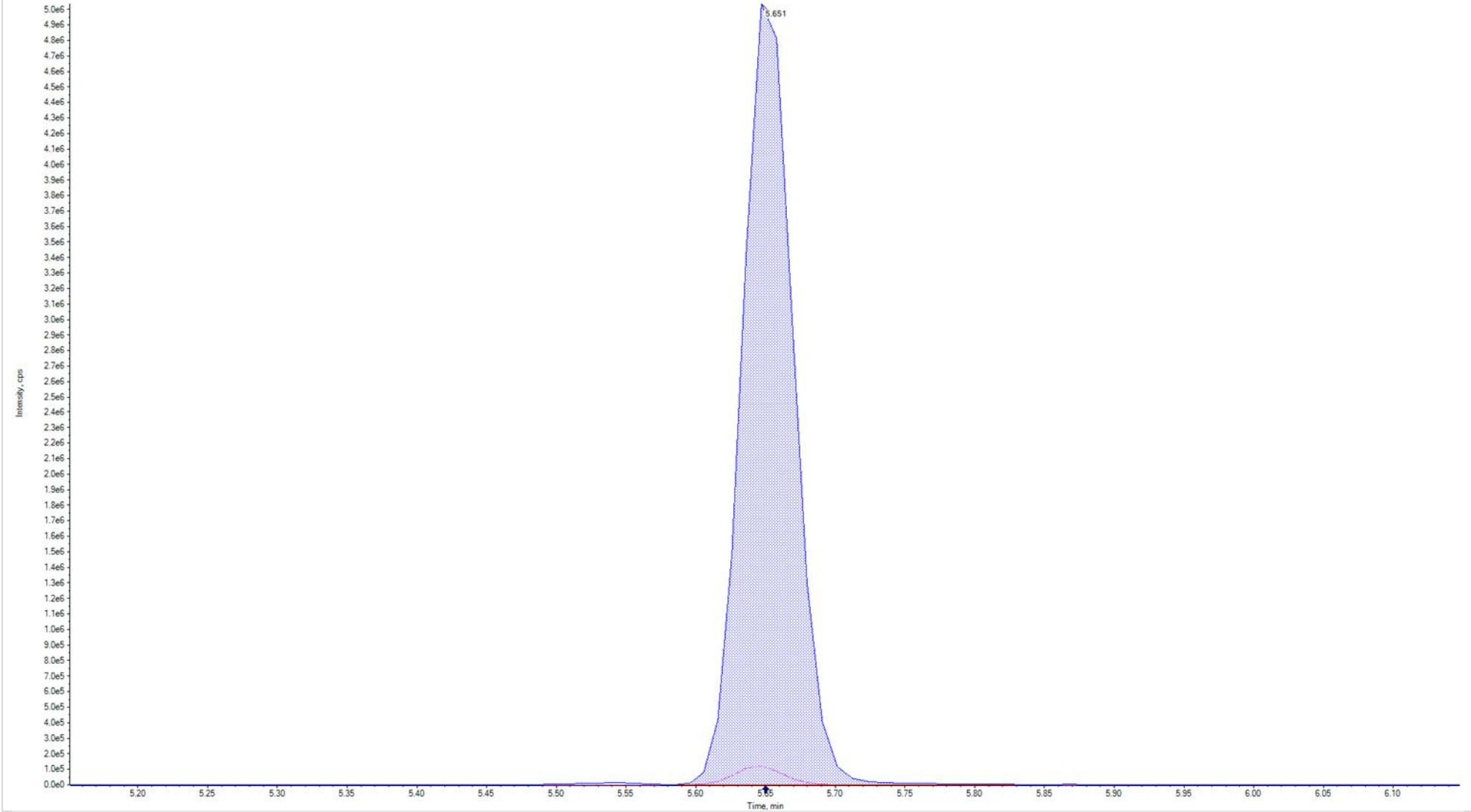
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

PFTrDA_2
Sample: IA1633STD-62.5 S/N:2929.2 Points Across peak:34



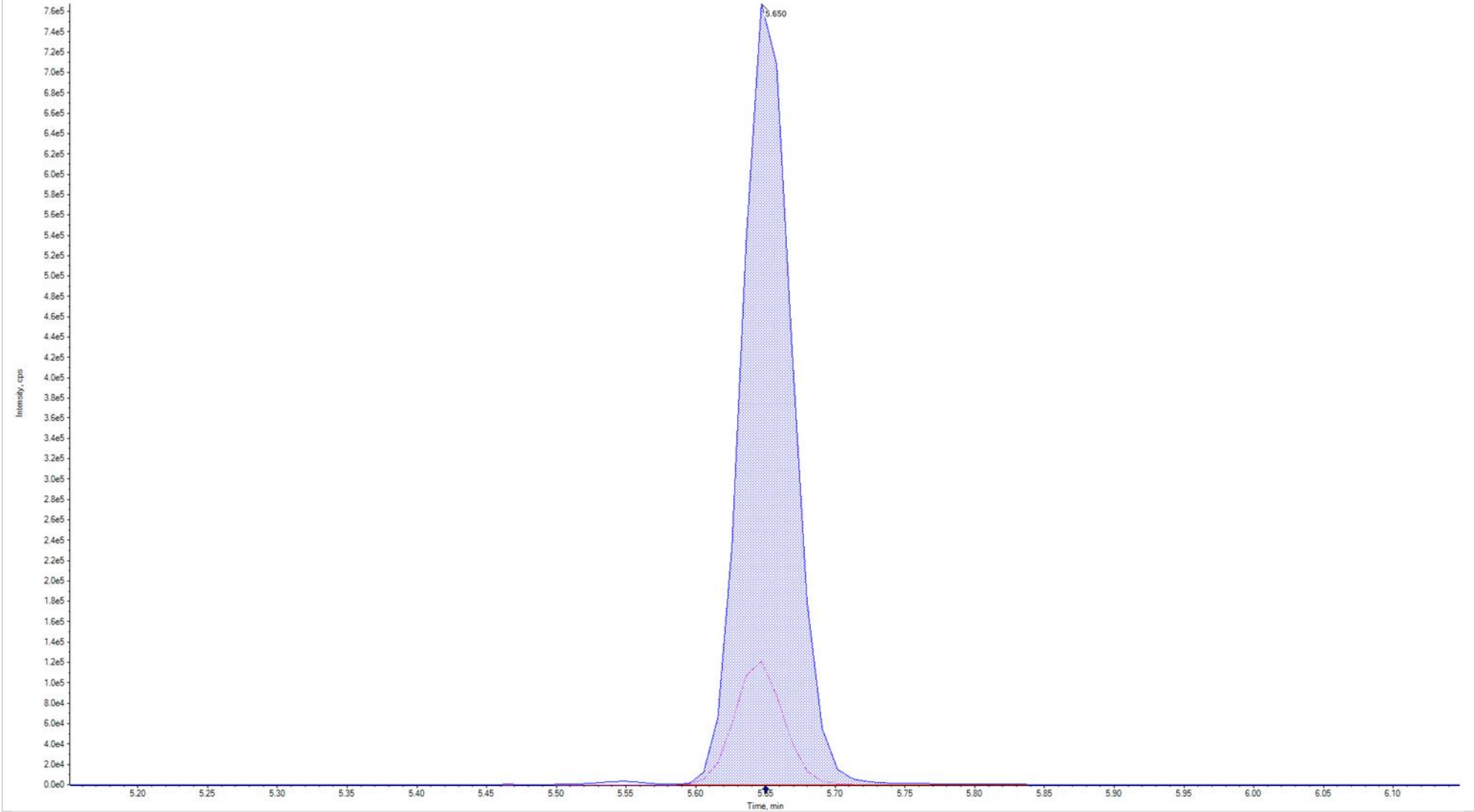
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

PFTeDA
Sample: IA1633STD-62.5 S/N:5738.5 Points Across peak:26



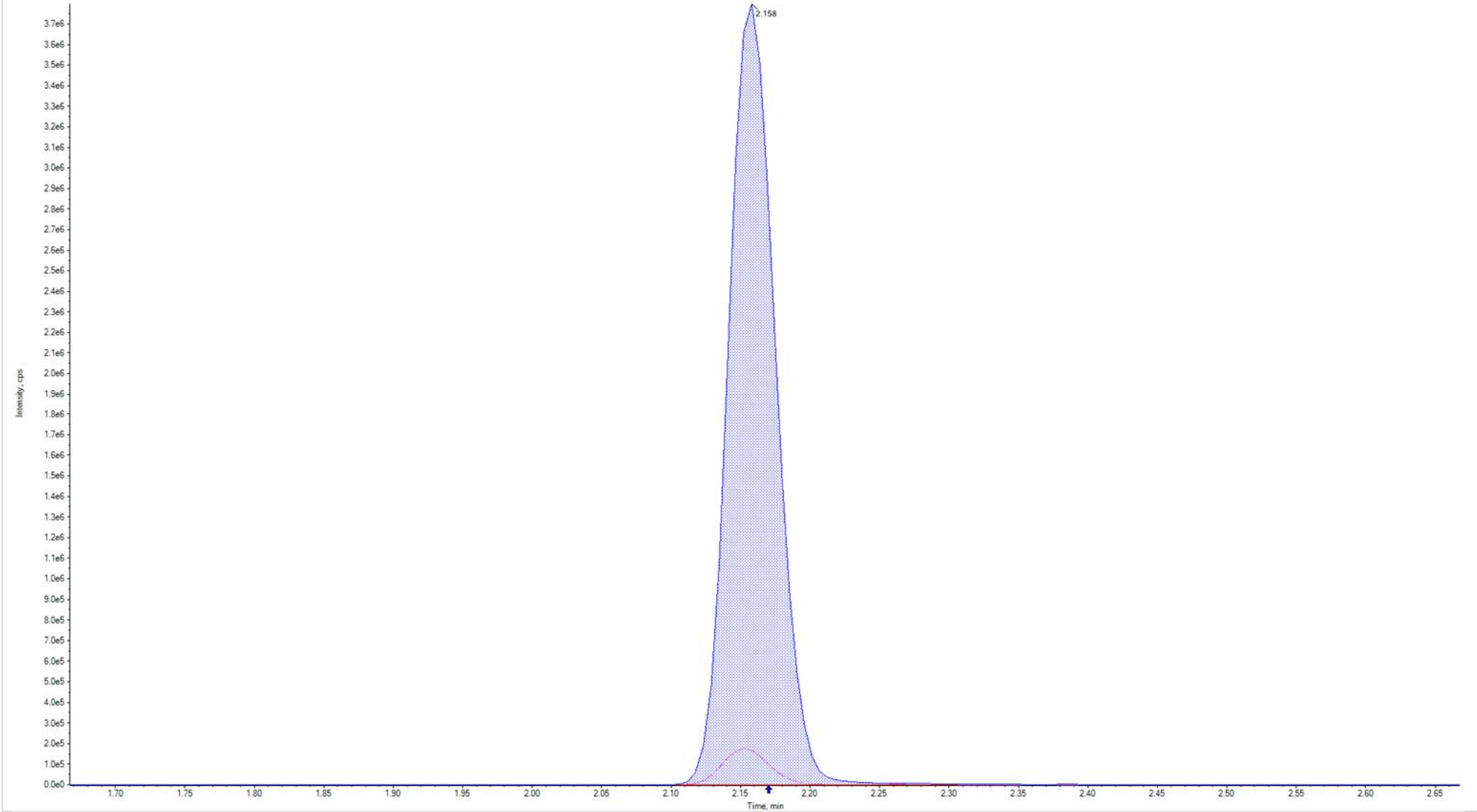
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

PFTeDA_2
Sample: IA1633STD-62.5 S/N:48083.1 Points Across peak:31



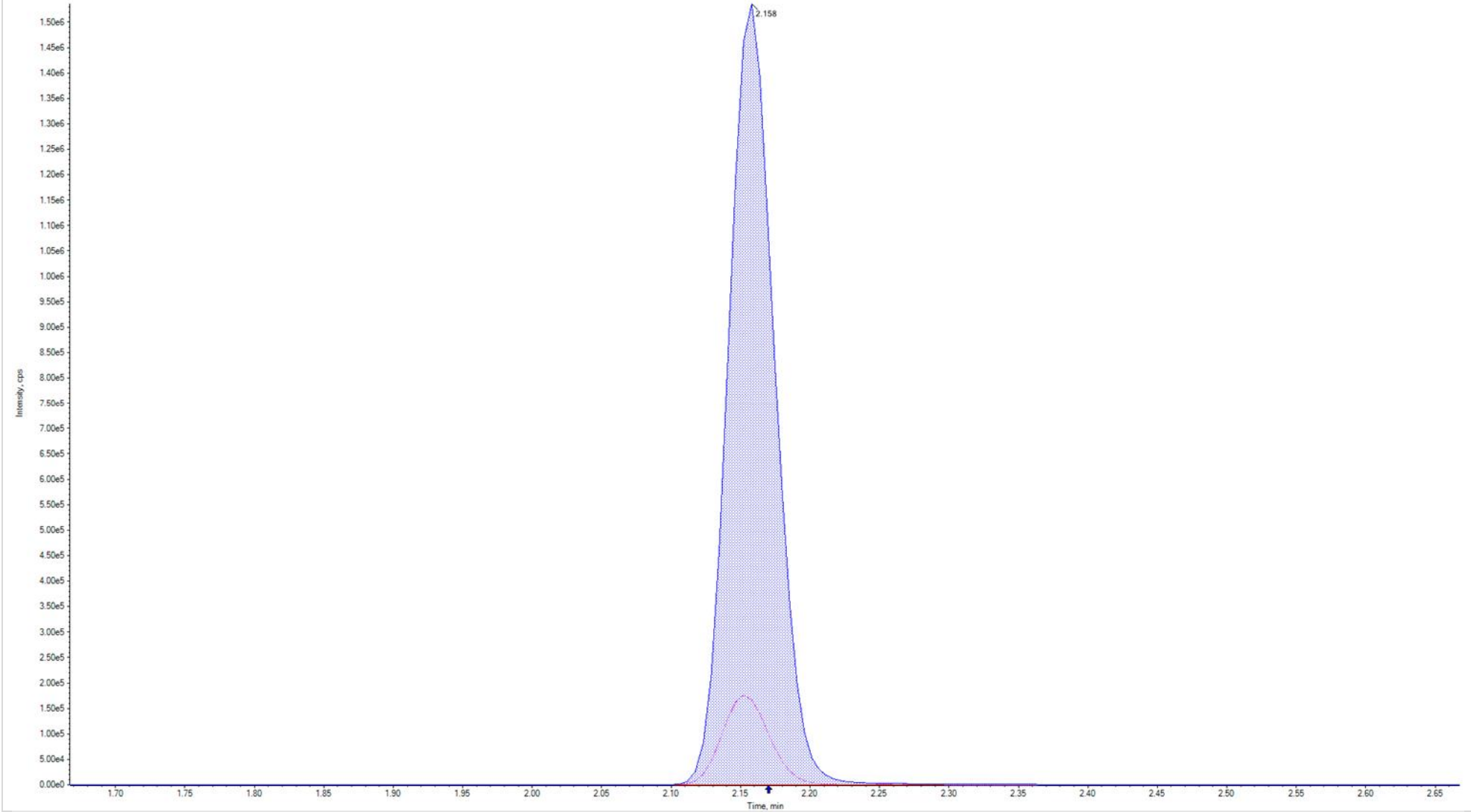
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

PFBS
Sample: IA1633STD-62.5 S/N:15651.1 Points Across peak:47



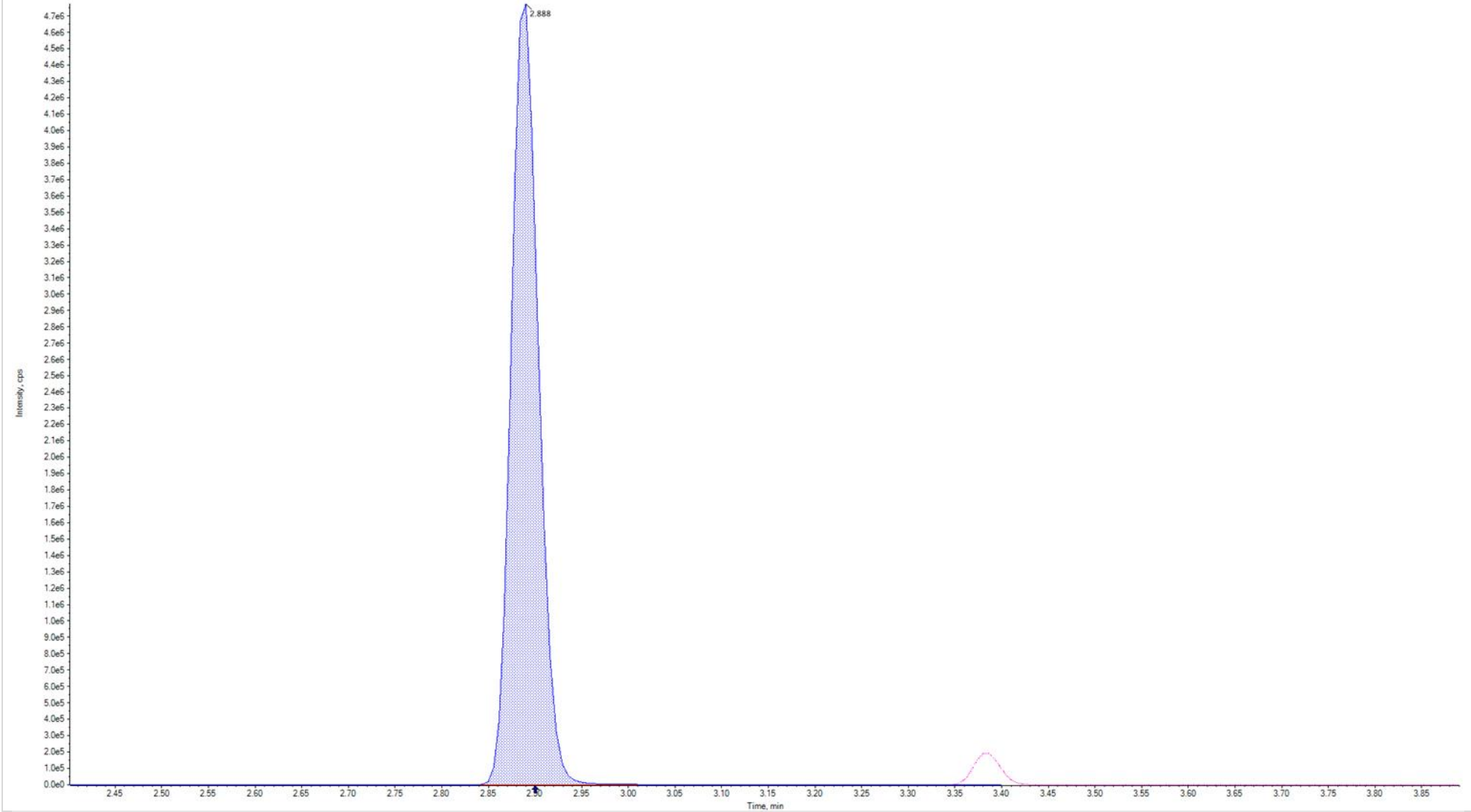
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

PFBS_2
Sample: IA1633STD-62.5 S/N:38495.5 Points Across peak:42



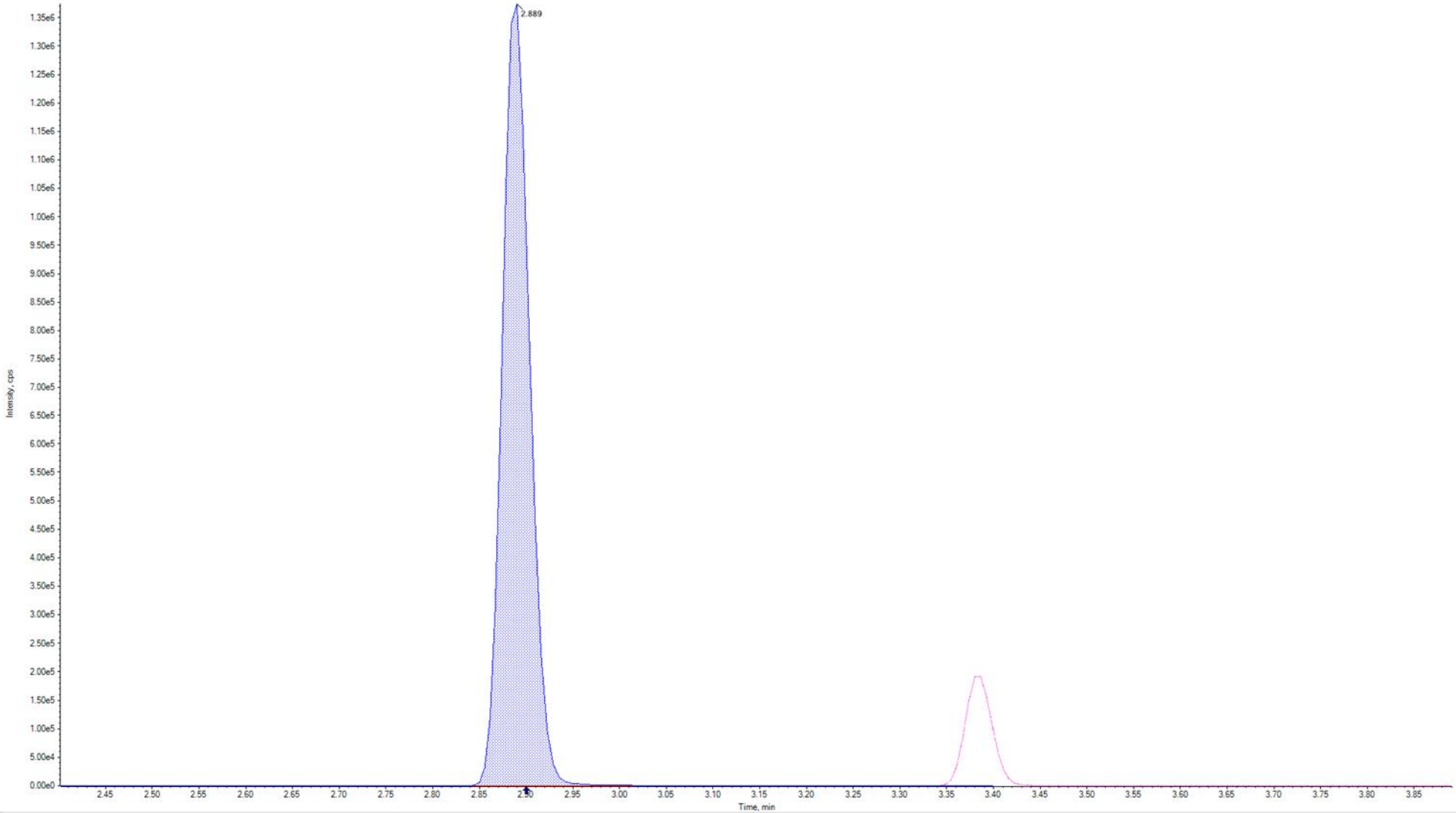
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

PFPeS
Sample: IA1633STD-62.5 S/N:95733.6 Points Across peak:36



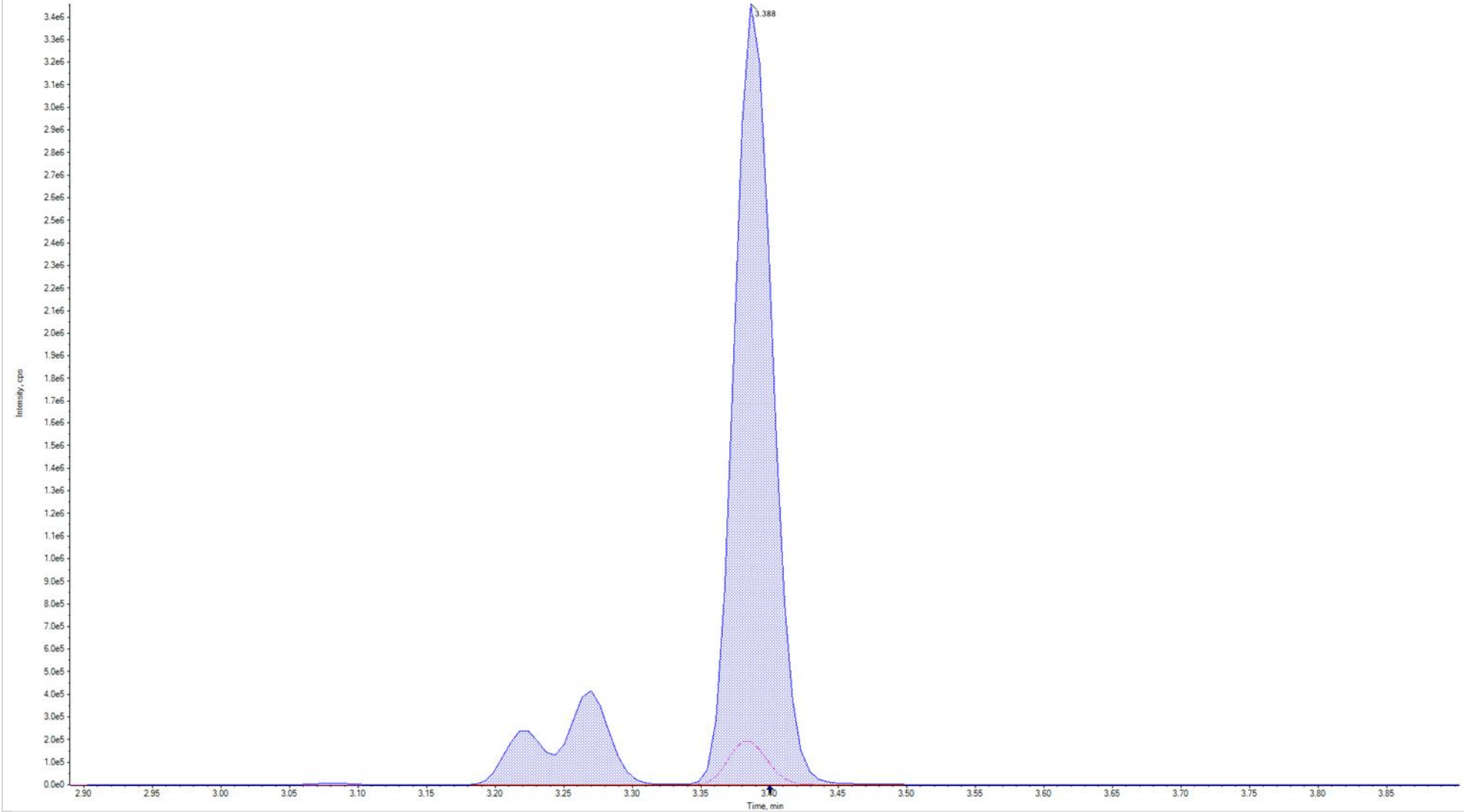
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

PFPeS_2
Sample: IA1633STD-62.5 S/N:10300.3 Points Across peak:32



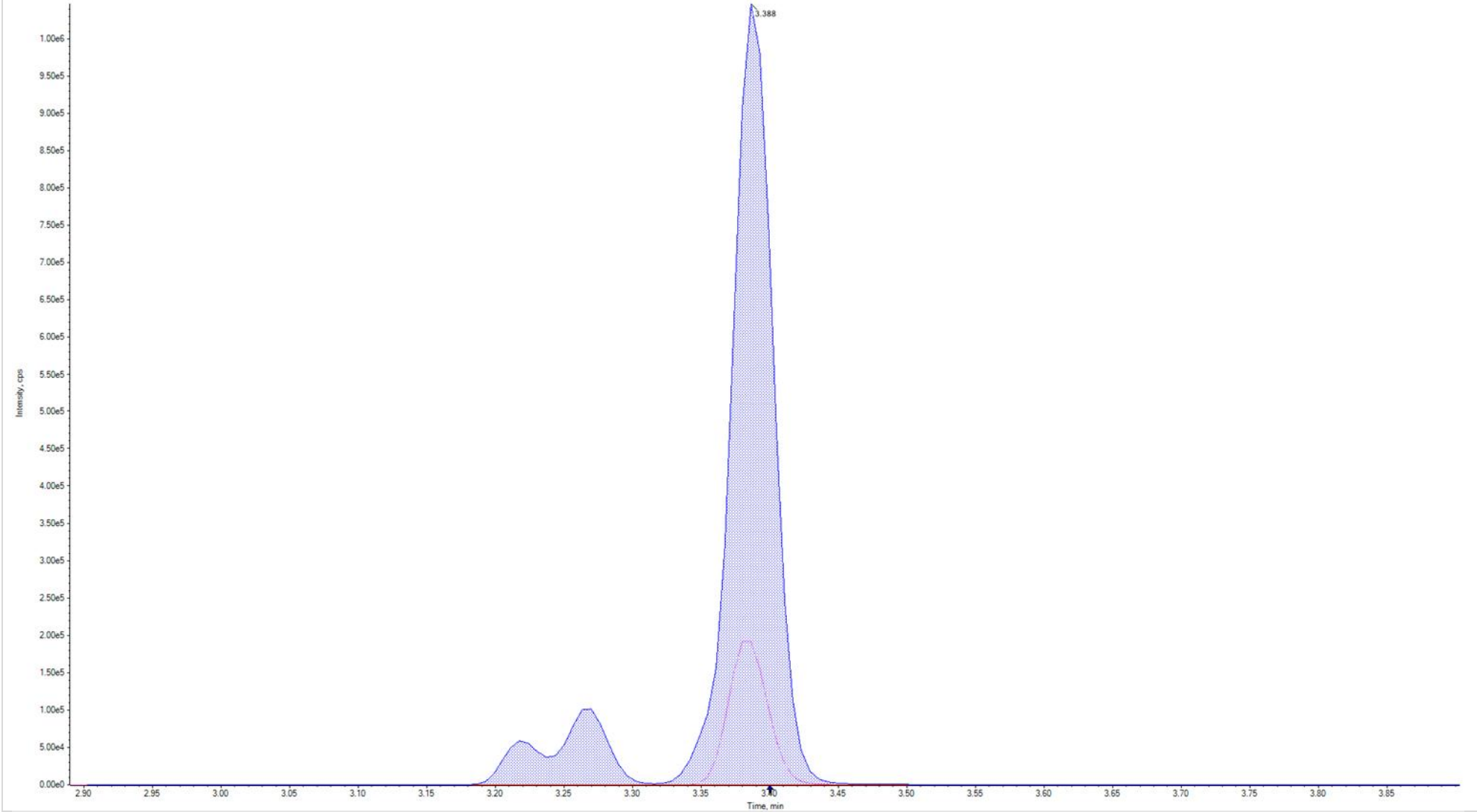
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

PFHxS
Sample: IA1633STD-62.5 S/N:977.0 Points Across peak:58



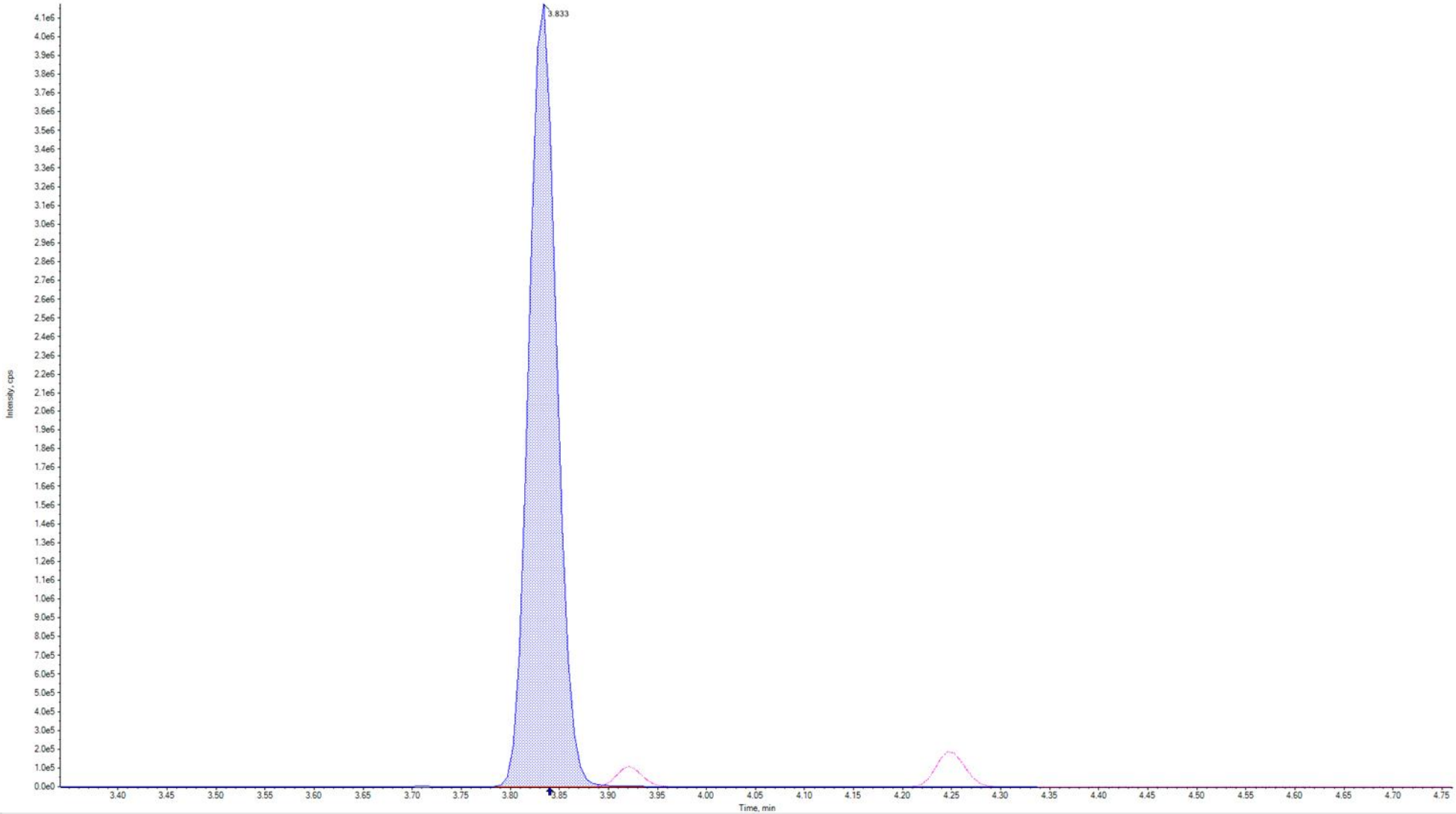
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

PFHxS_2
Sample: IA1633STD-62.5 S/N:1217.8 Points Across peak:56



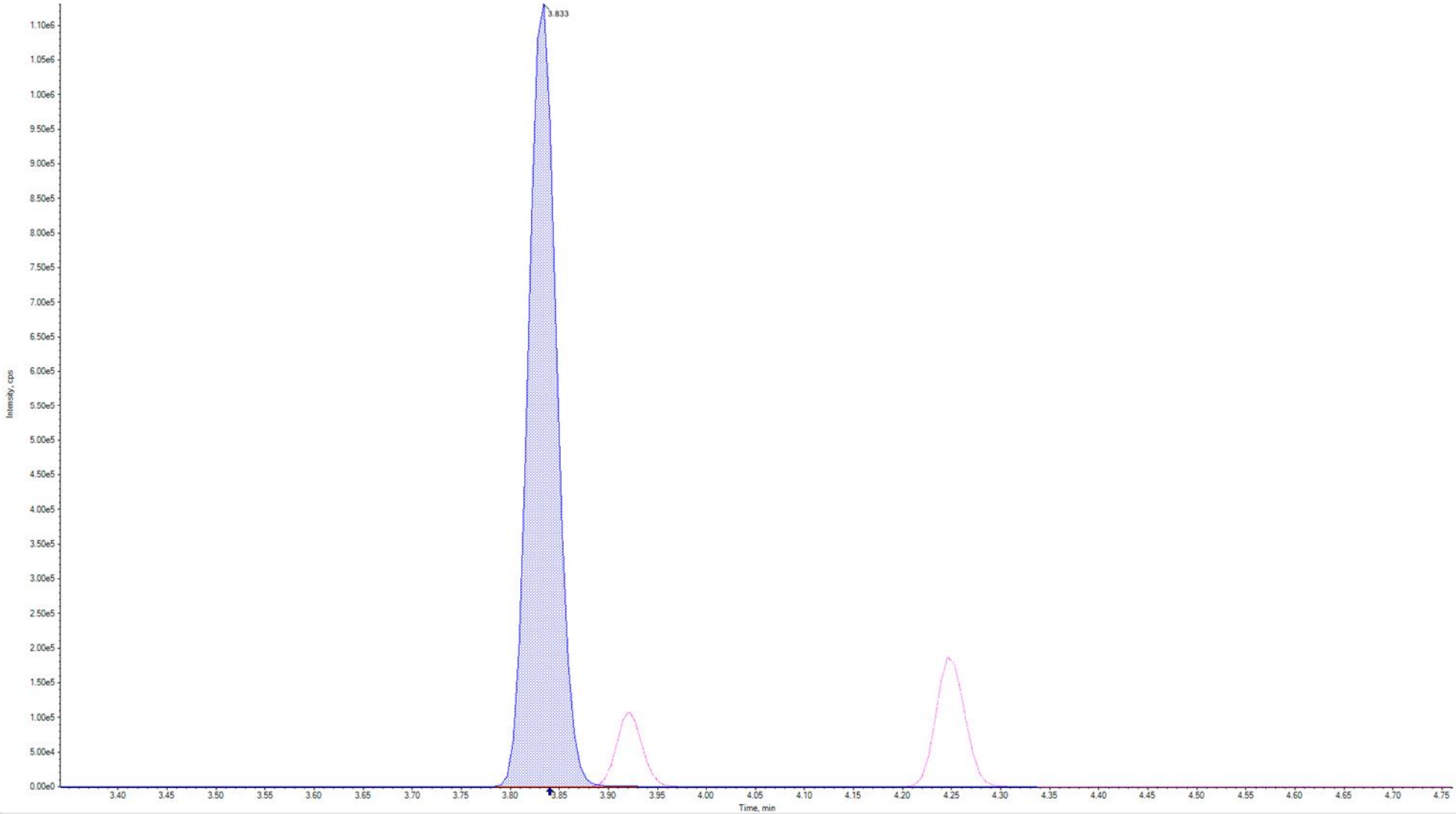
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

PFHpS
Sample: IA1633STD-62.5 S/N:7634.5 Points Across peak:34



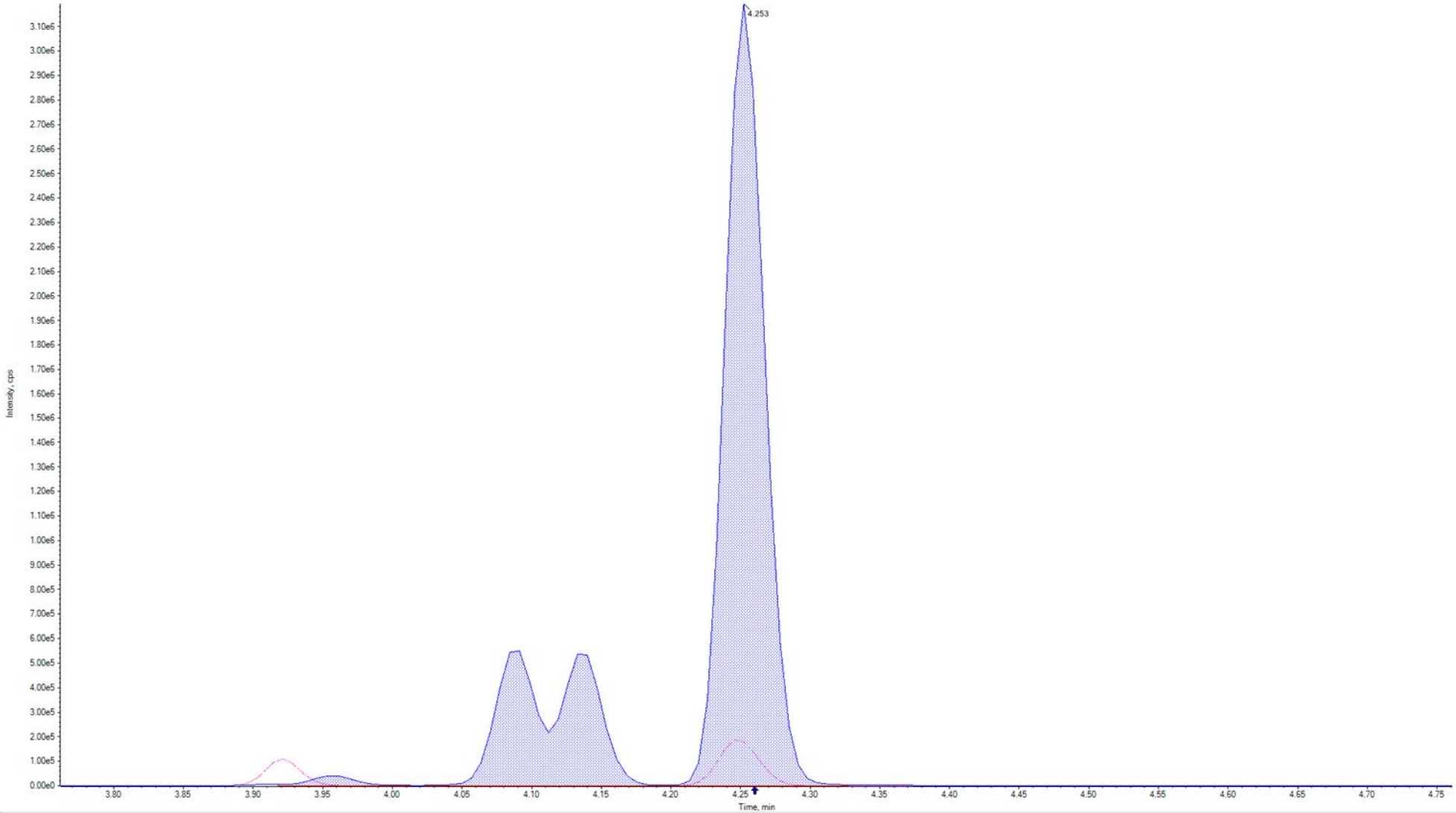
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

PFHpS_2
Sample: IA1633STD-62.5 S/N:22678.3 Points Across peak:32

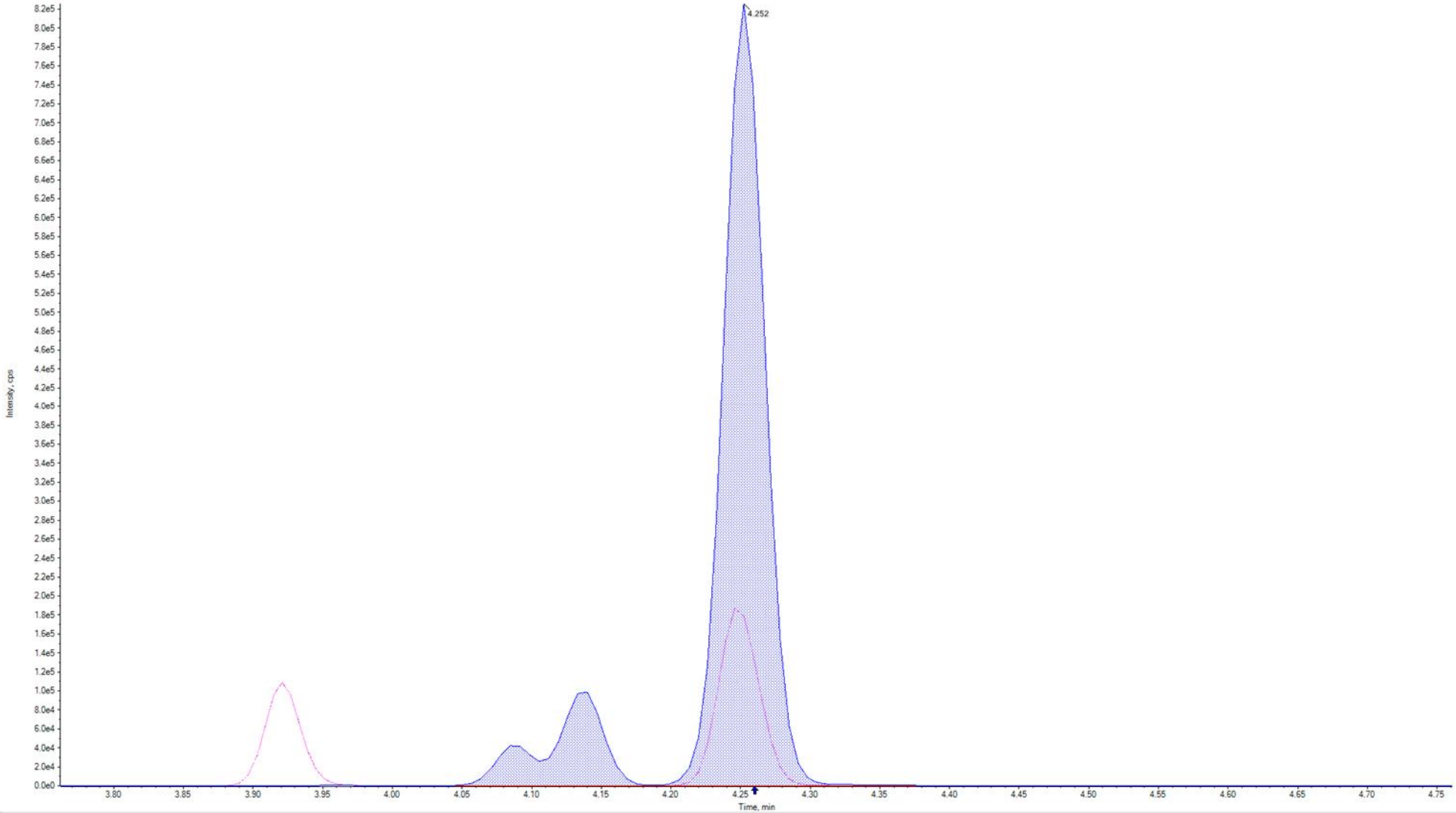


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

PFOS
Sample: IA1633STD-62.5 S/N:572.8 Points Across peak:64

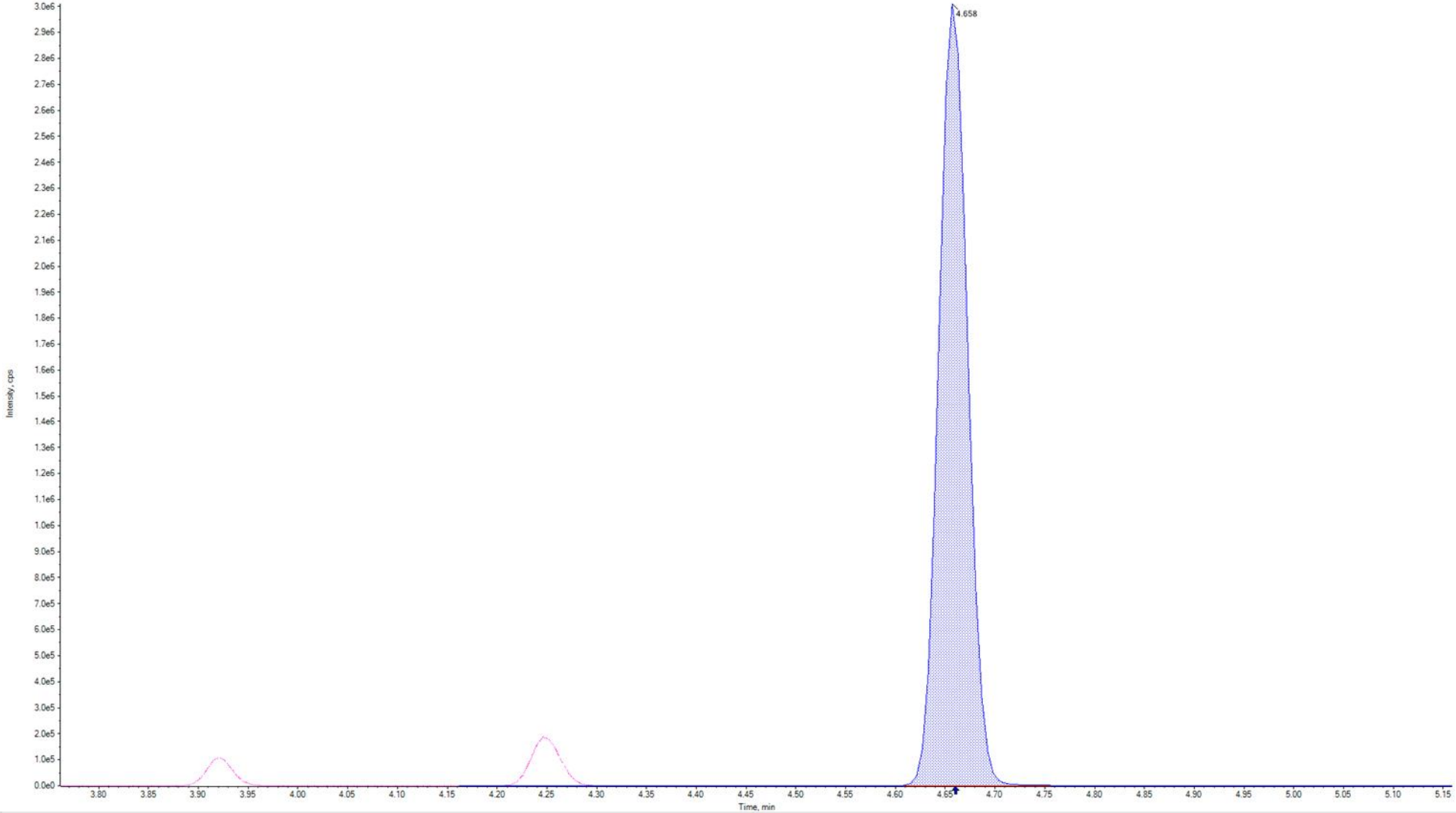


PFOS_2
Sample: IA1633STD-62.5 S/N:1233.9 Points Across peak:57



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

PFNS
Sample: IA1633STD-62.5 S/N:6779.5 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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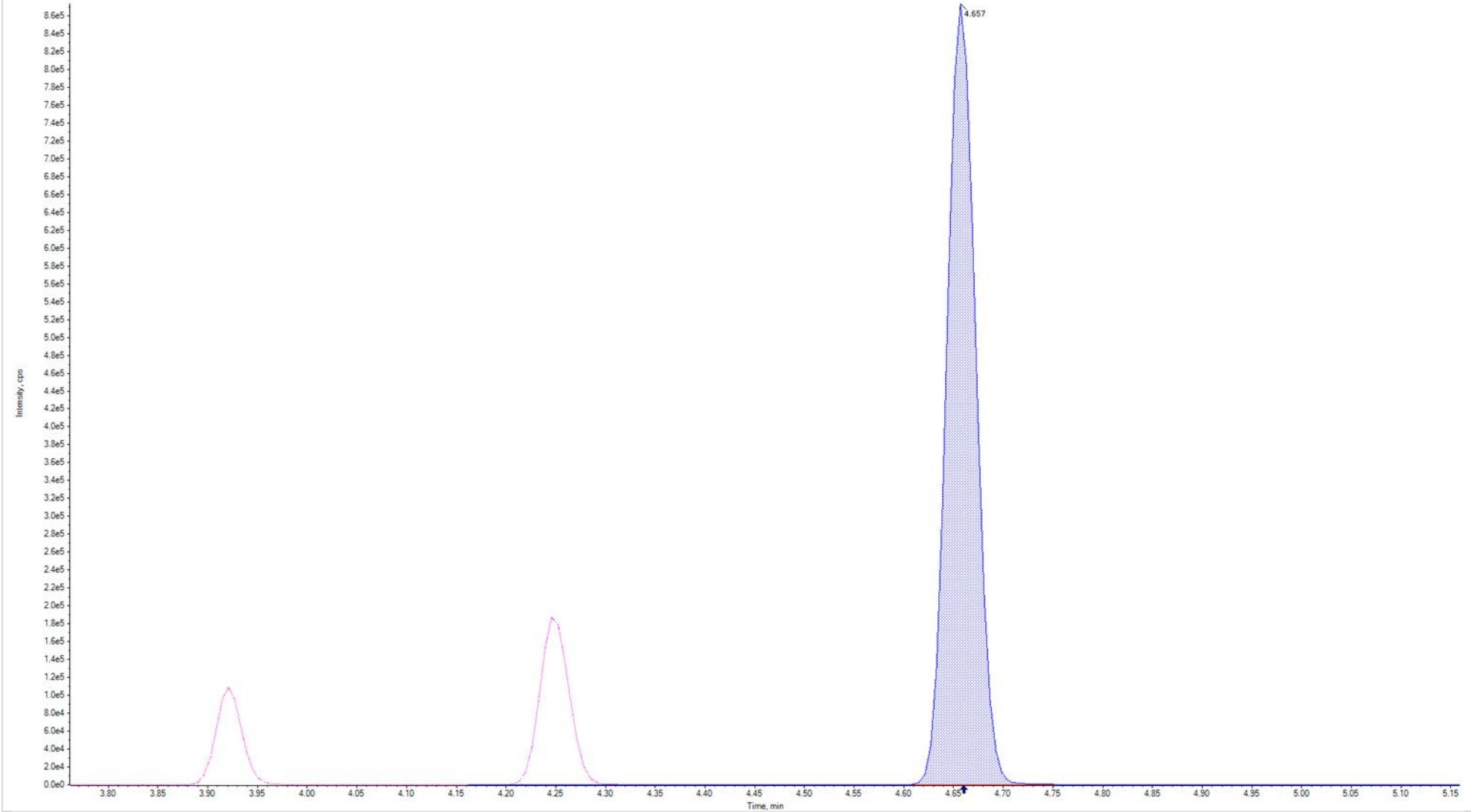
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

PFNS_2
Sample: IA1633STD-62.5 S/N:7904.1 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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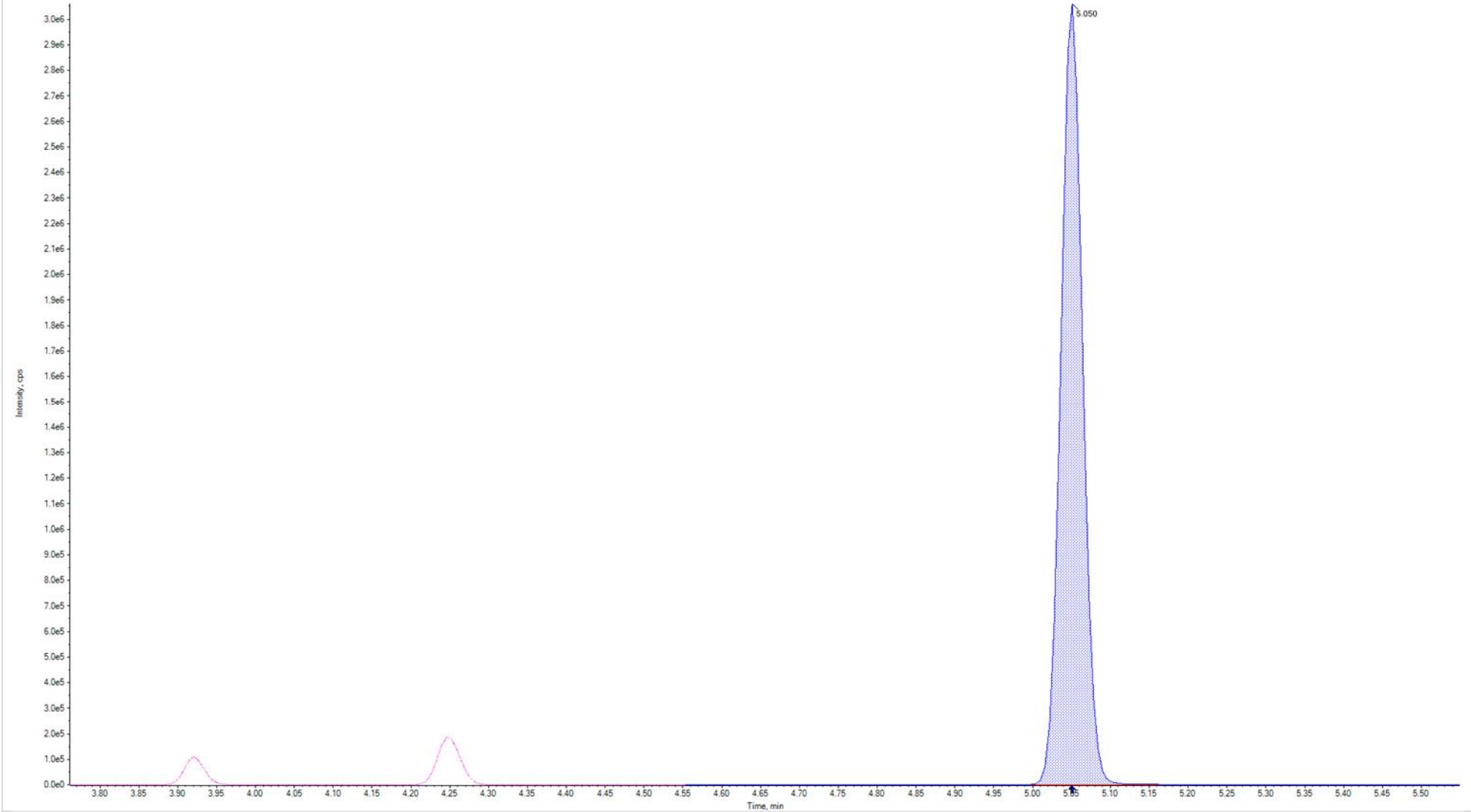
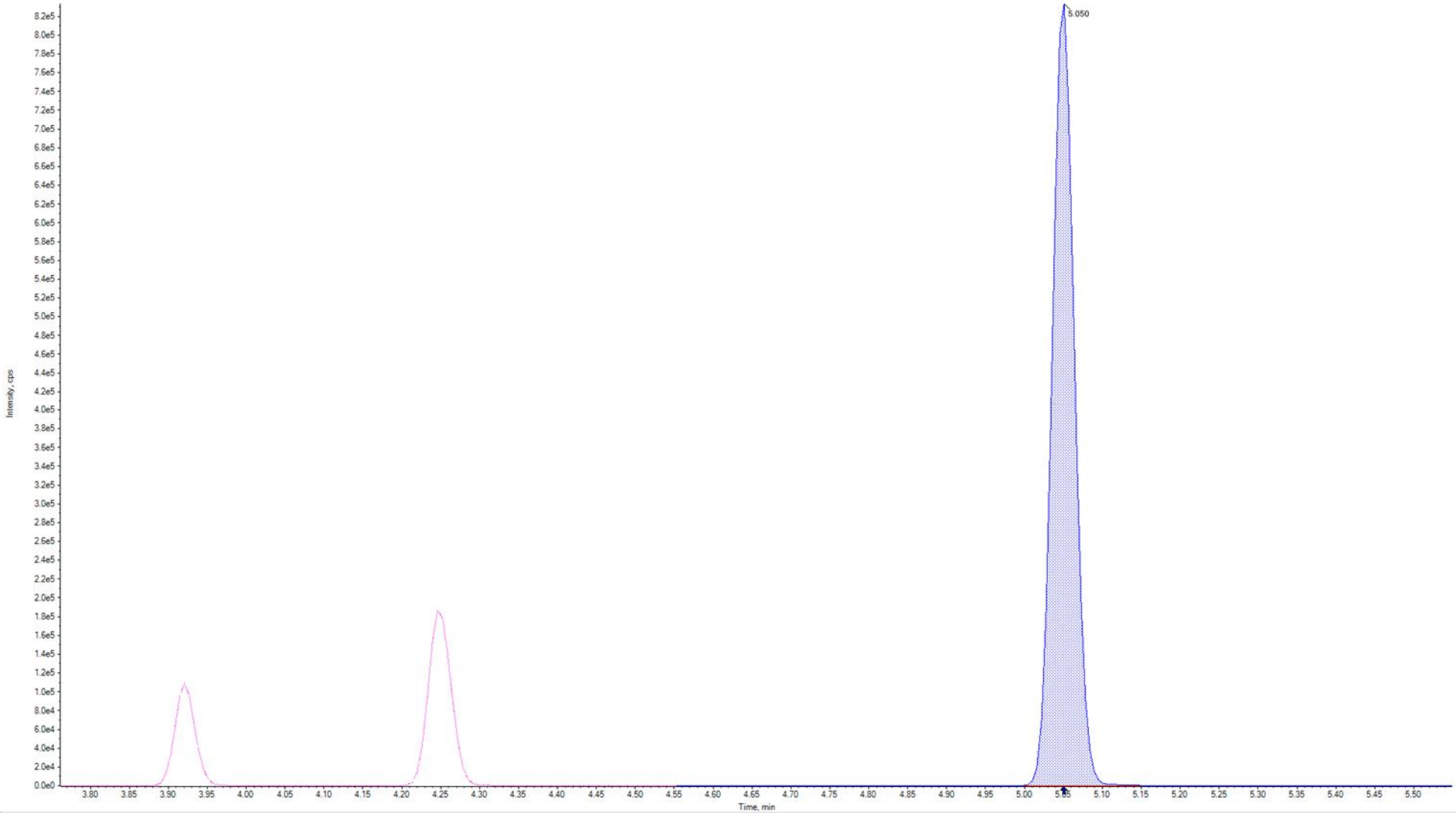
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

PFDS
Sample: IA1633STD-62.5 S/N:7038.2 Points Across peak:47



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

PFDS_2
Sample: IA1633STD-62.5 S/N:11897.6 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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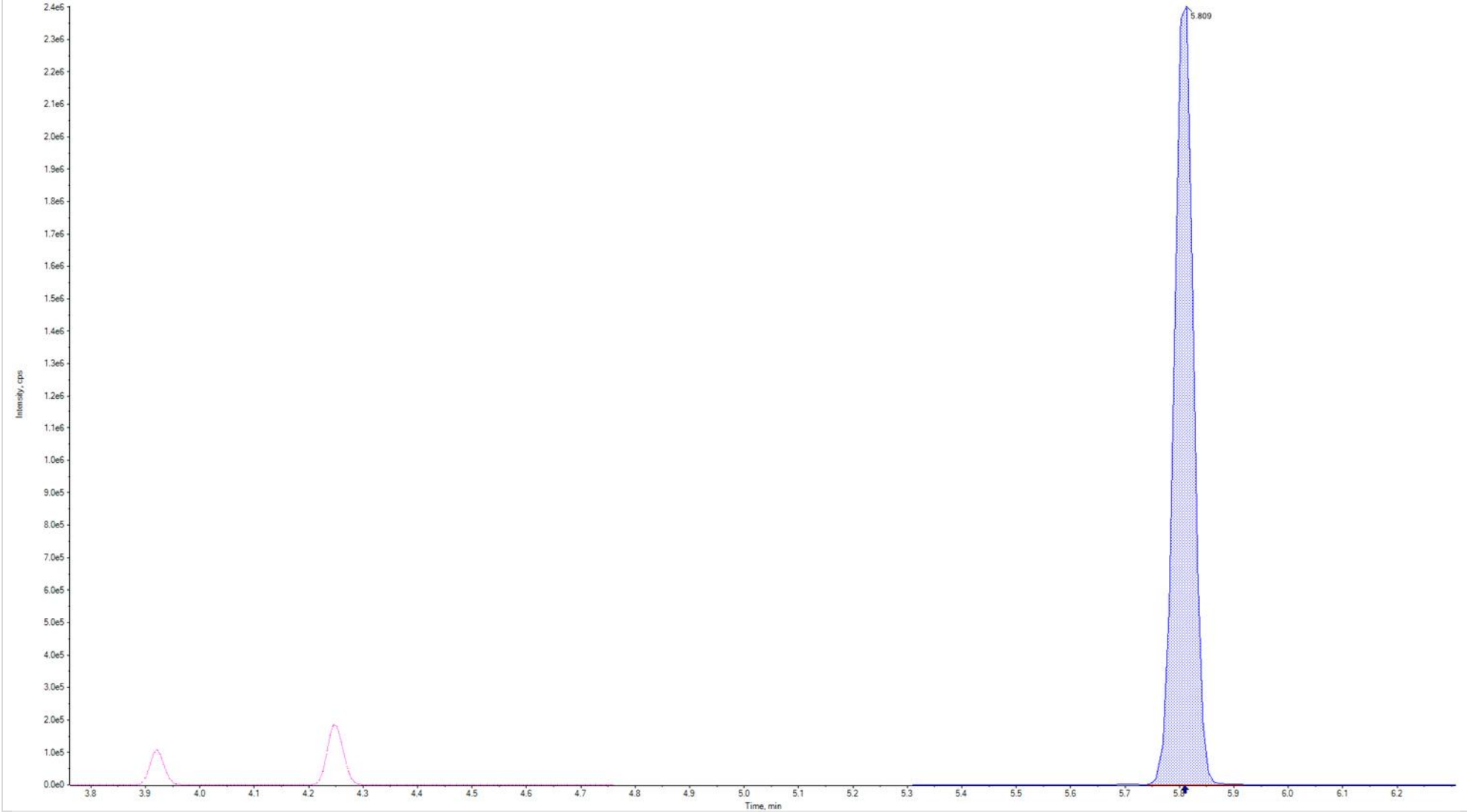
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

PFDoS
Sample: IA1633STD-62.5 S/N:10446.5 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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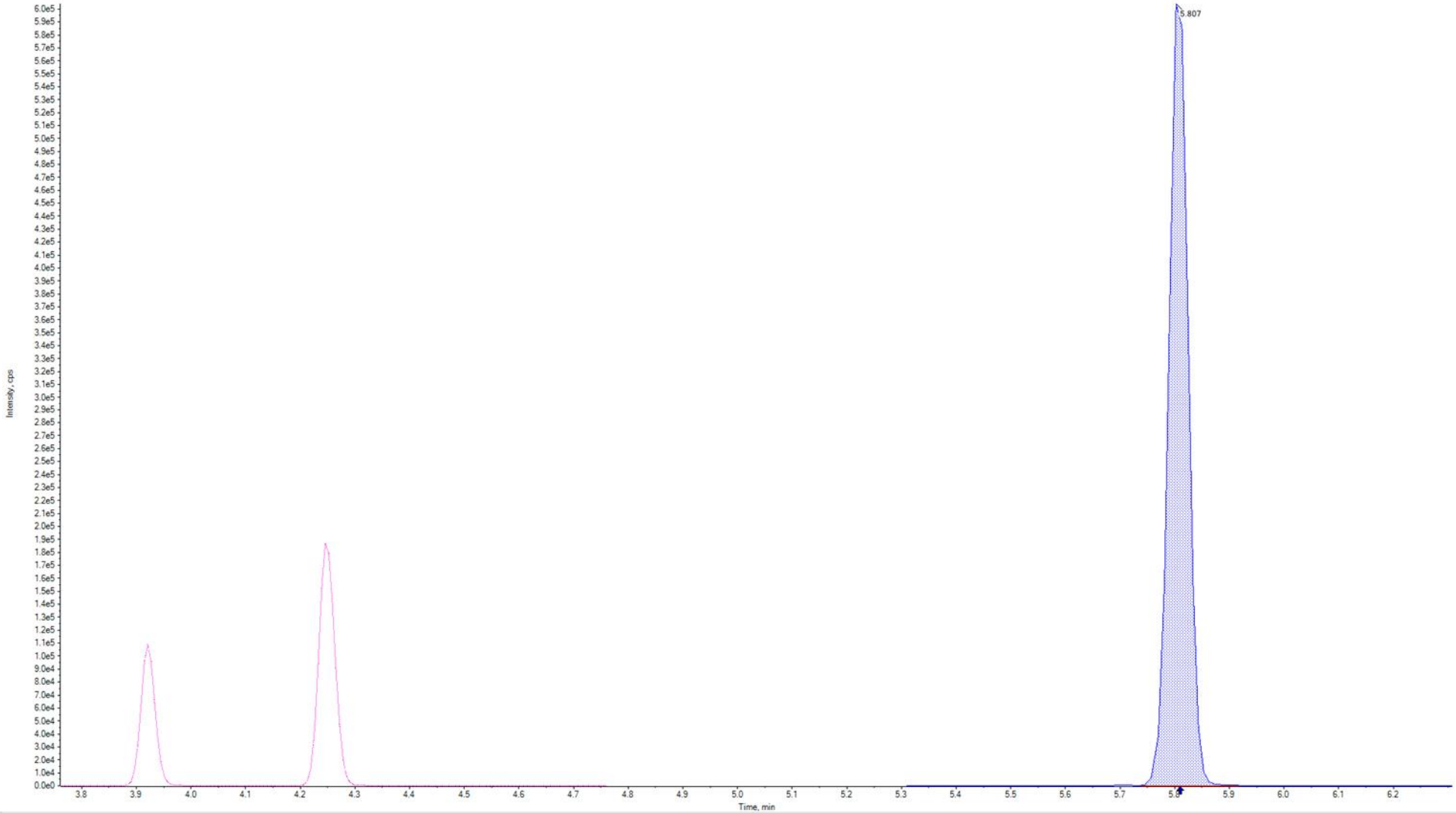
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

PFDoS_2
Sample: IA1633STD-62.5 S/N:46927.6 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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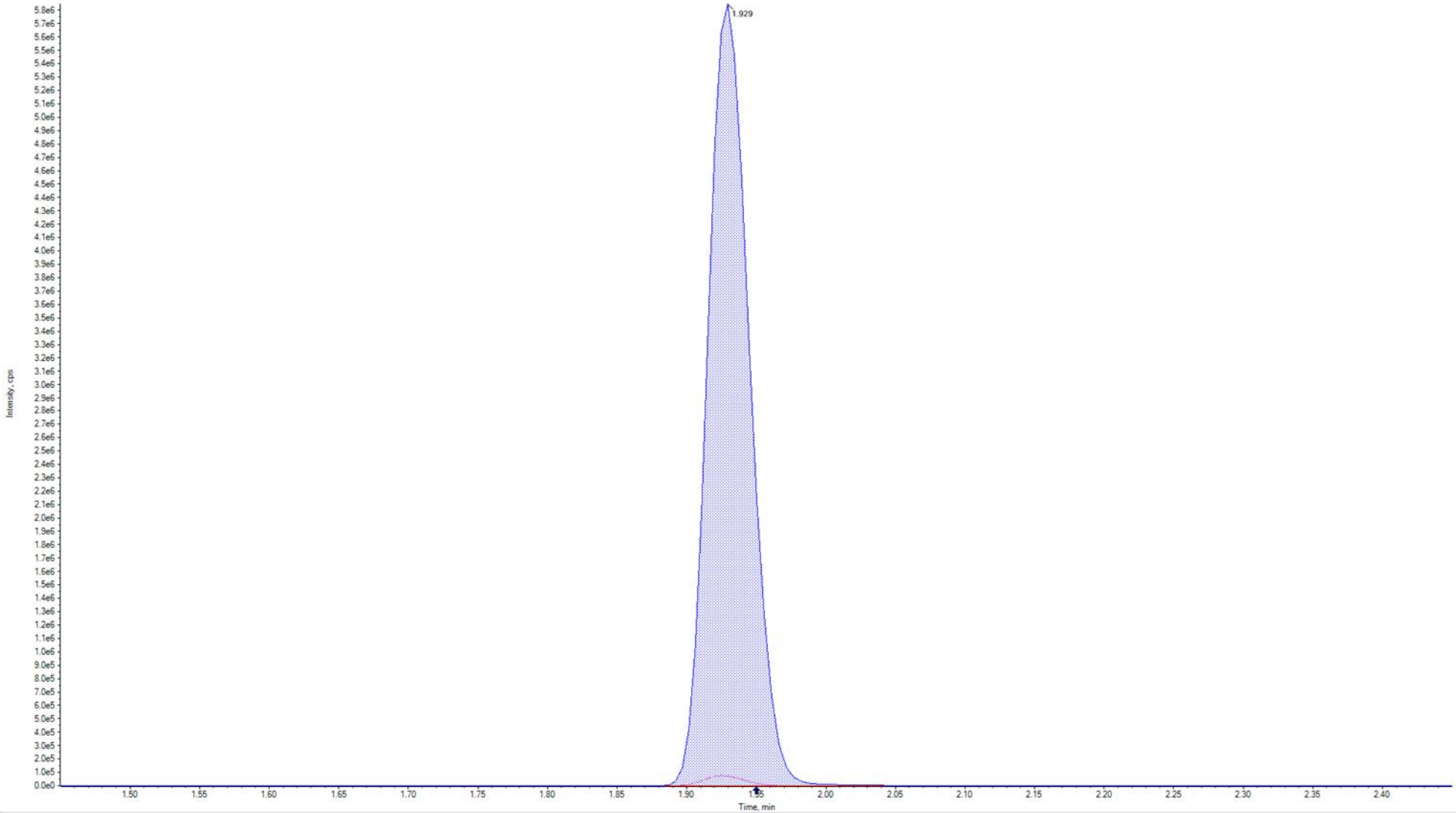
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

4:2FTS
Sample: IA1633STD-62.5 S/N:219858.8 Points Across peak:47



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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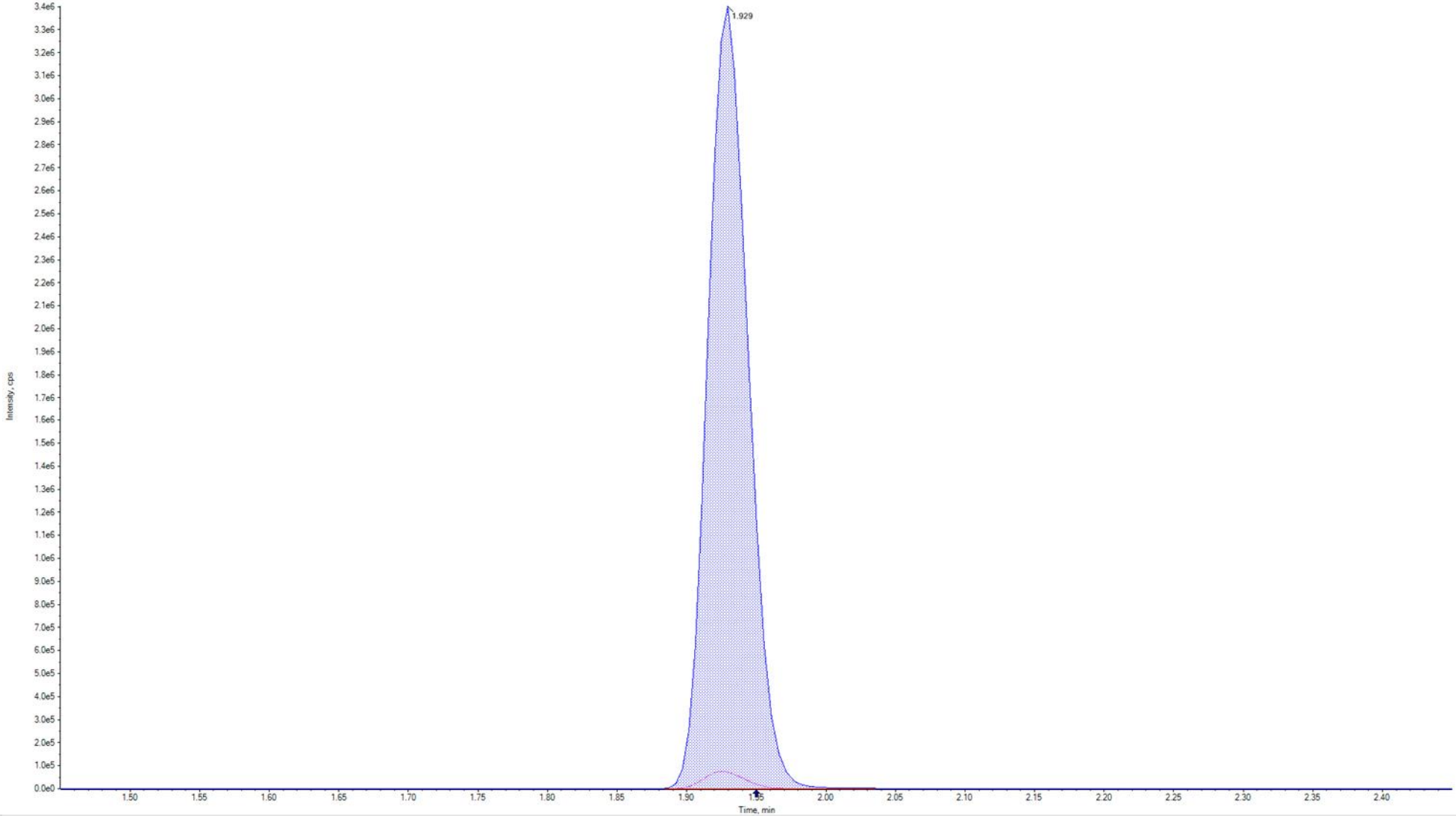
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

4:2FTS_2
Sample: IA1633STD-62.5 S/N:14916.8 Points Across peak:43



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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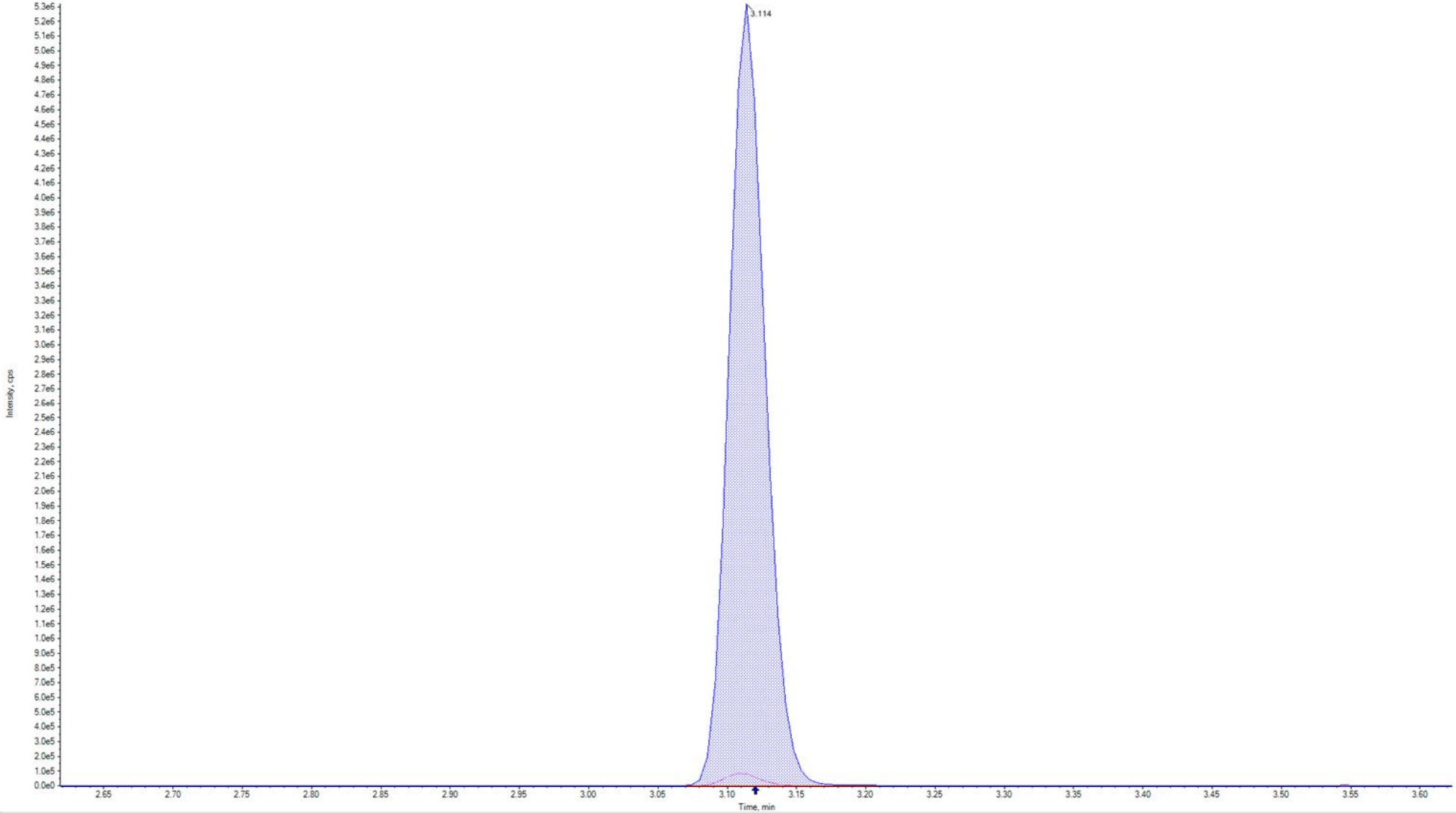
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

6:2FTS
Sample: IA1633STD-62.5 S/N:15437.9 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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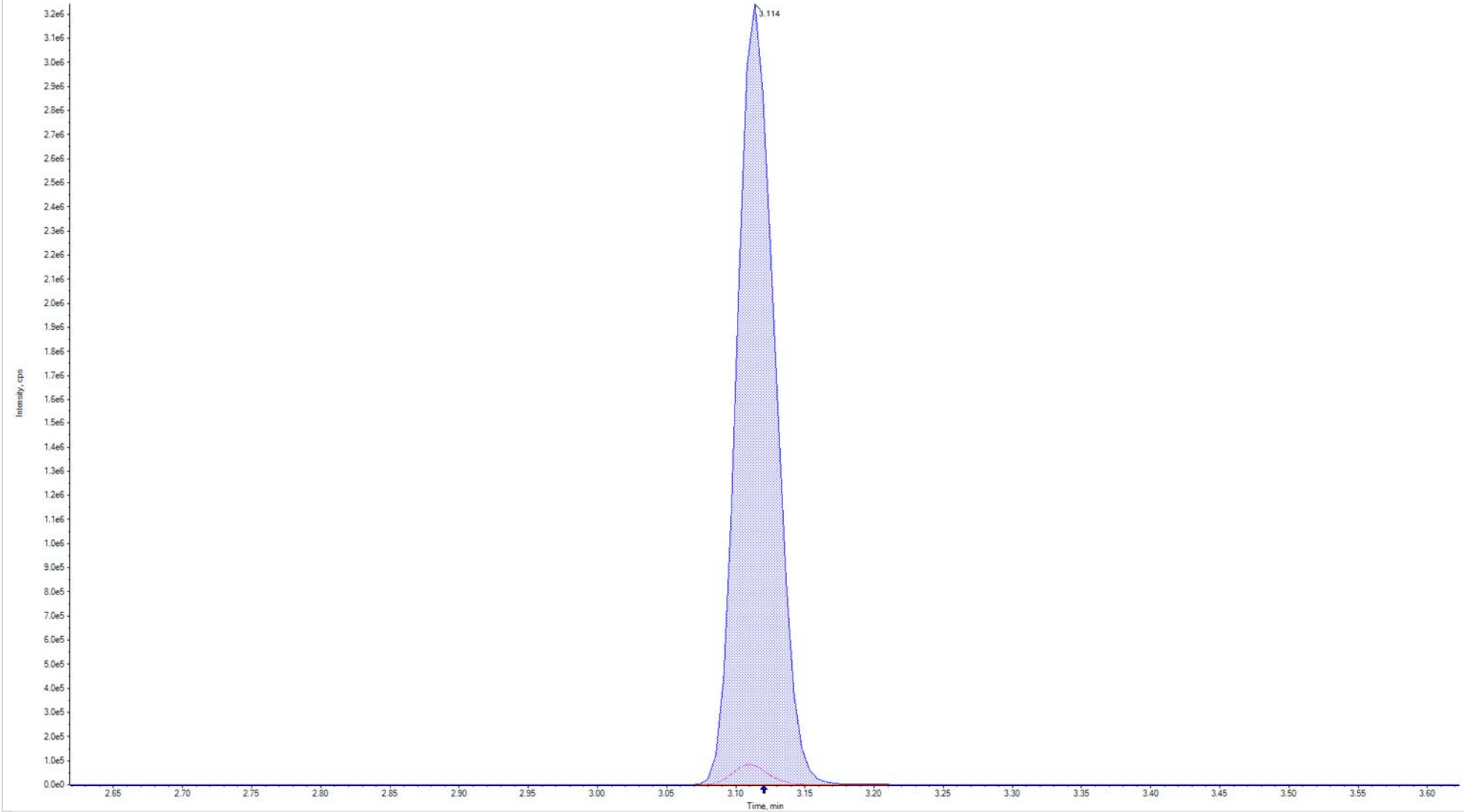
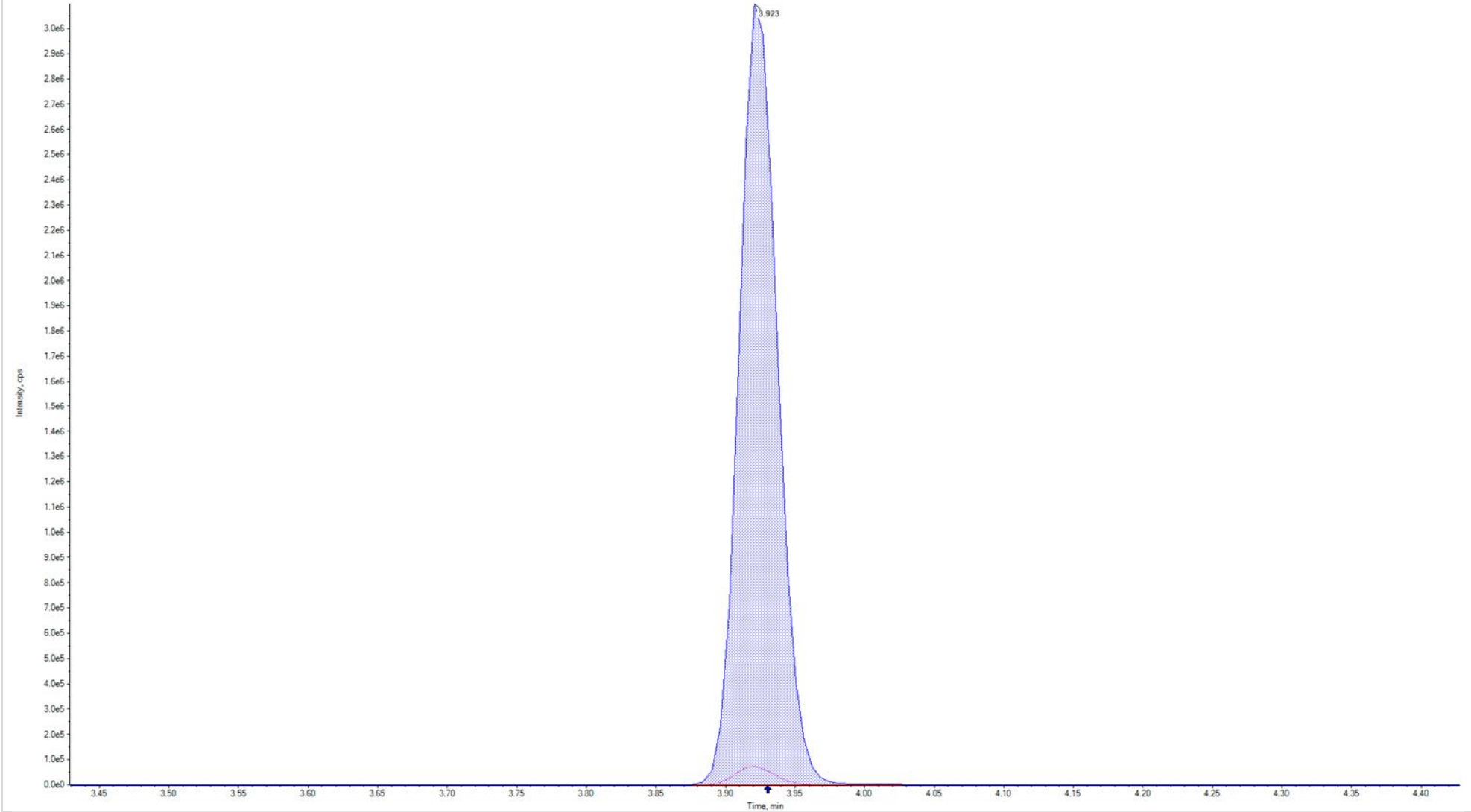
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

6:2FTS_2
Sample: IA1633STD-62.5 S/N:9357.6 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

8:2FTS
Sample: IA1633STD-62.5 S/N:10229.7 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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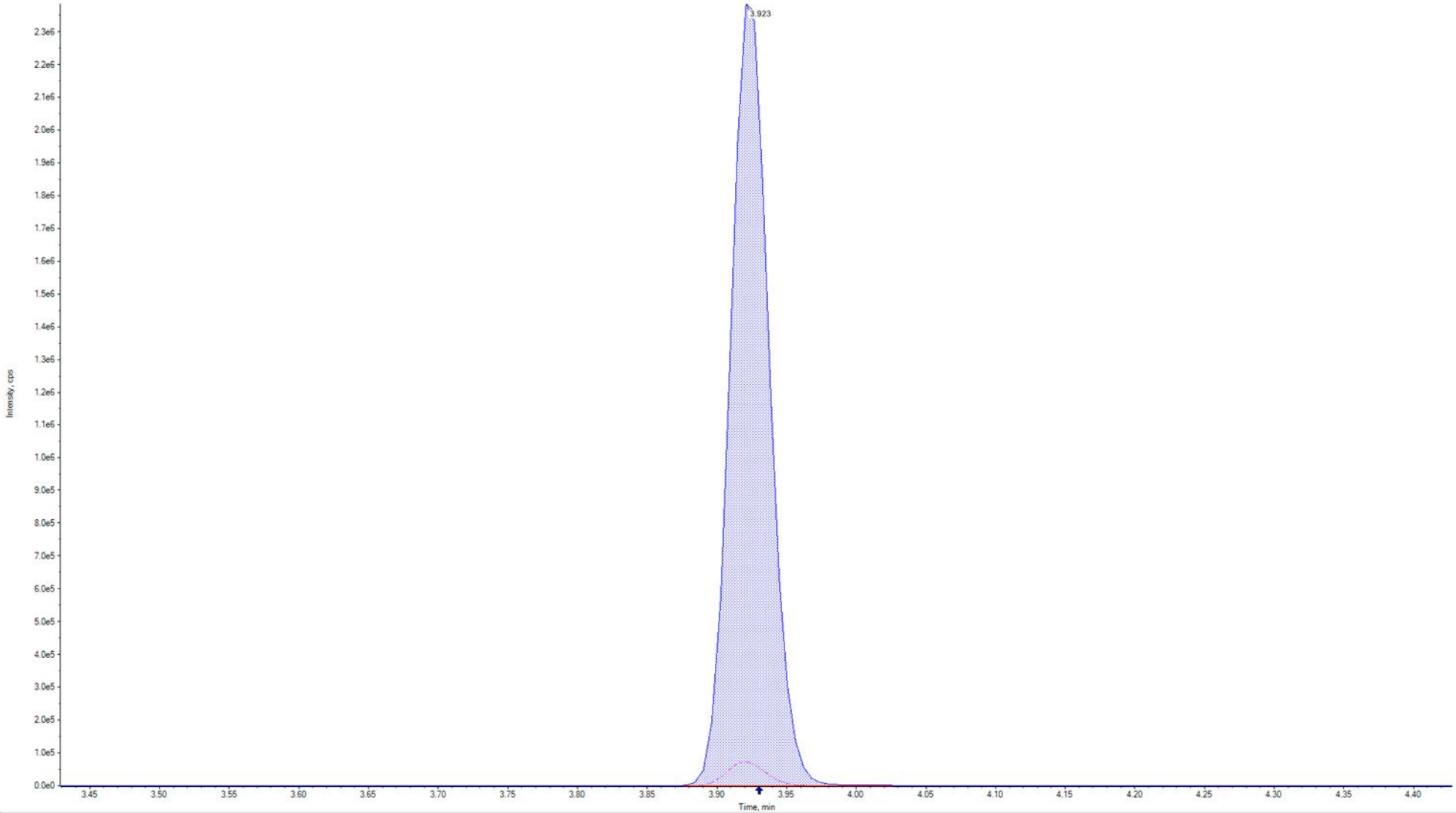
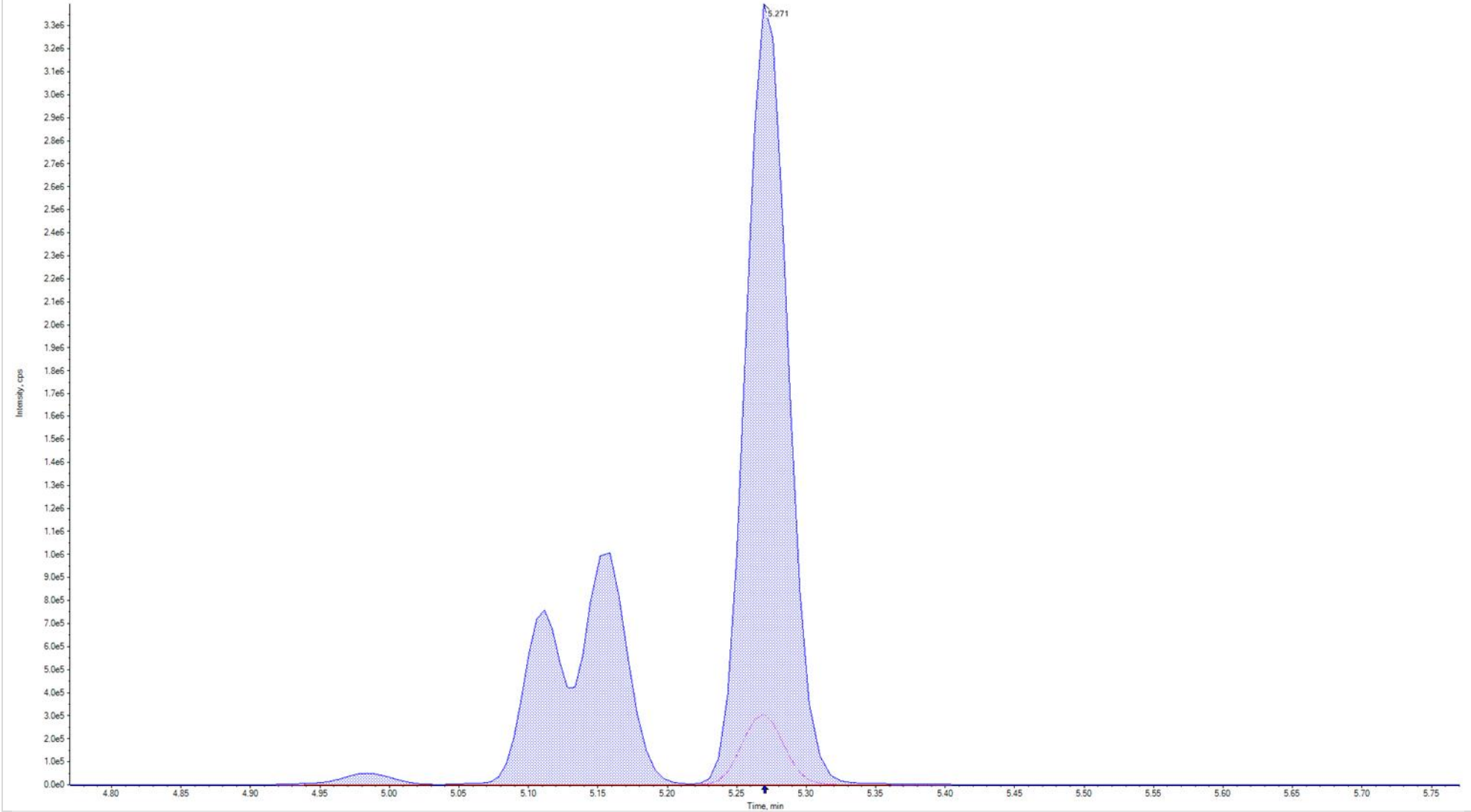
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

8:2FTS_2
Sample: IA1633STD-62.5 S/N:9535.6 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

PFOSA
Sample: IA1633STD-62.5 S/N:225.4 Points Across peak:68



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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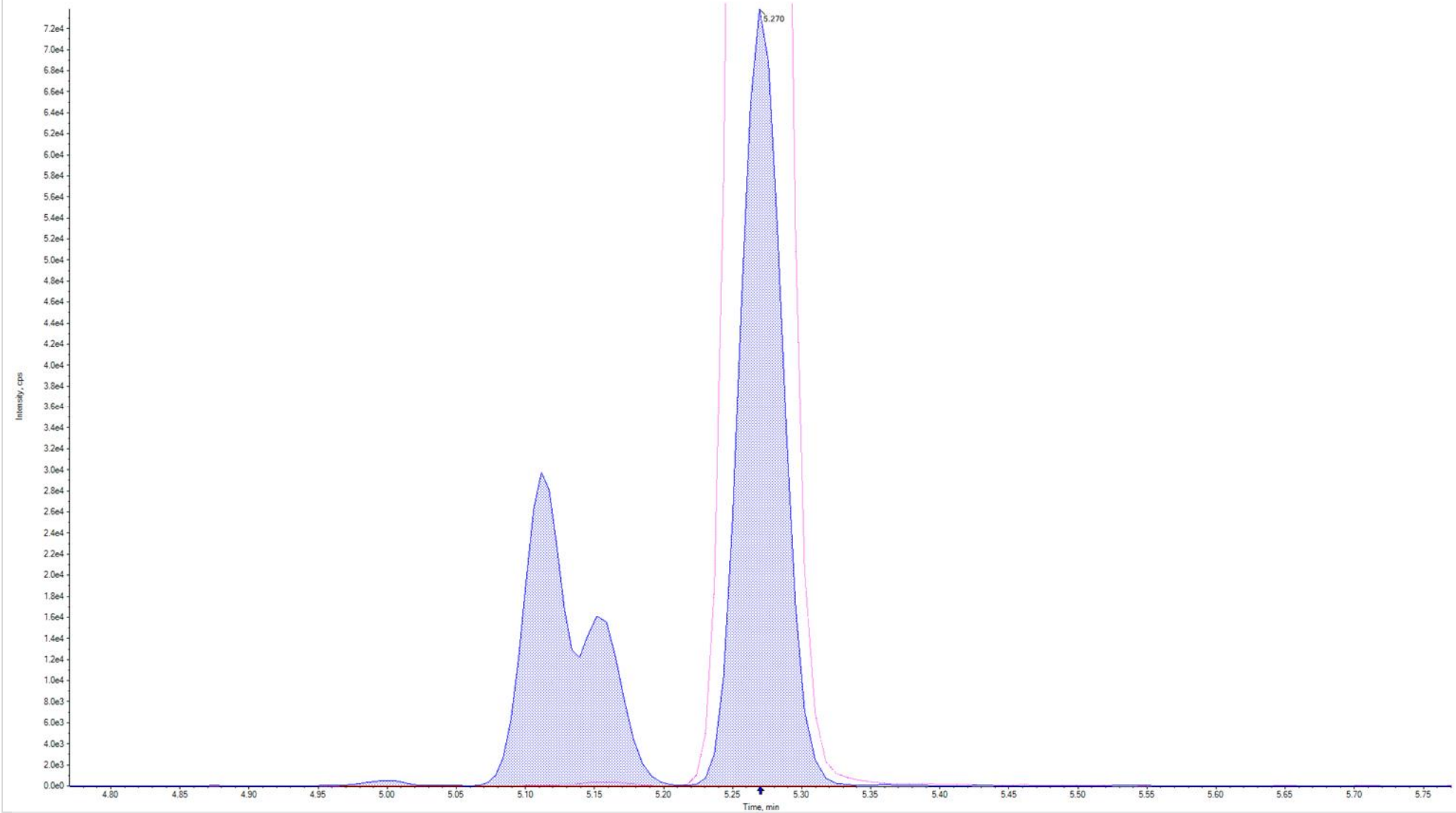
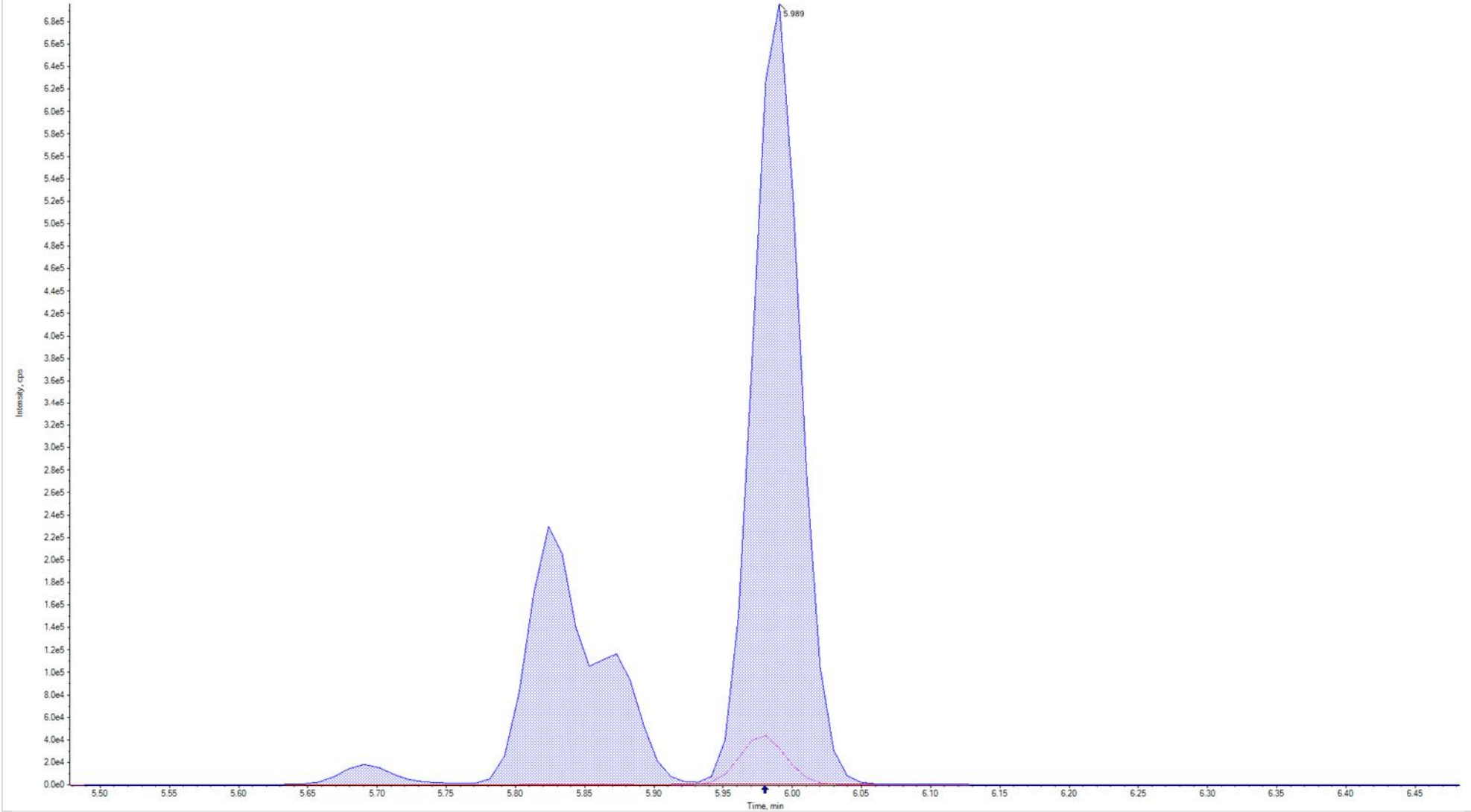
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

PFOSA_2
Sample: IA1633STD-62.5 S/N:287.8 Points Across peak:61



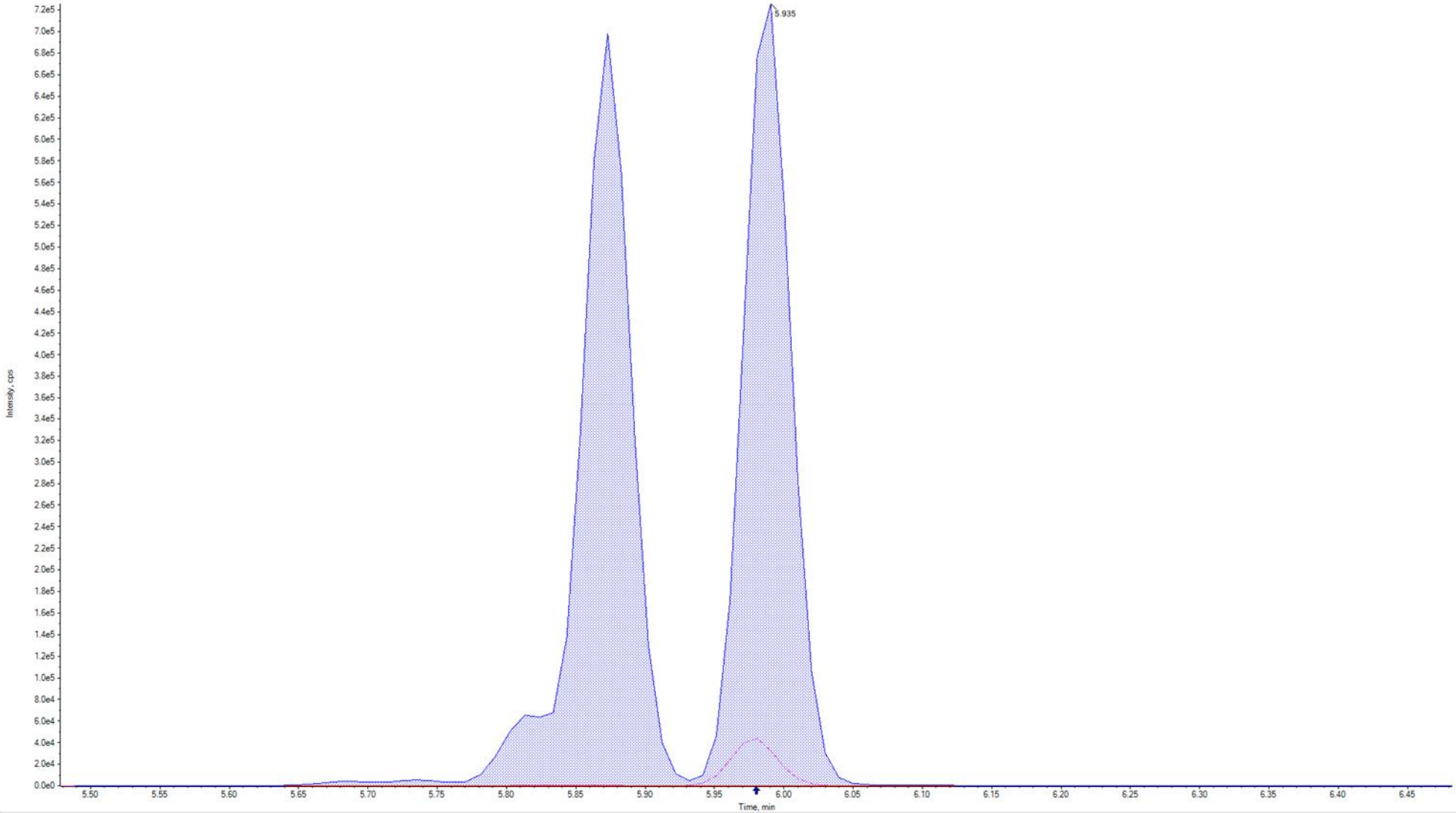
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSA
Sample: IA1633STD-62.5 S/N:287.8 Points Across peak:48



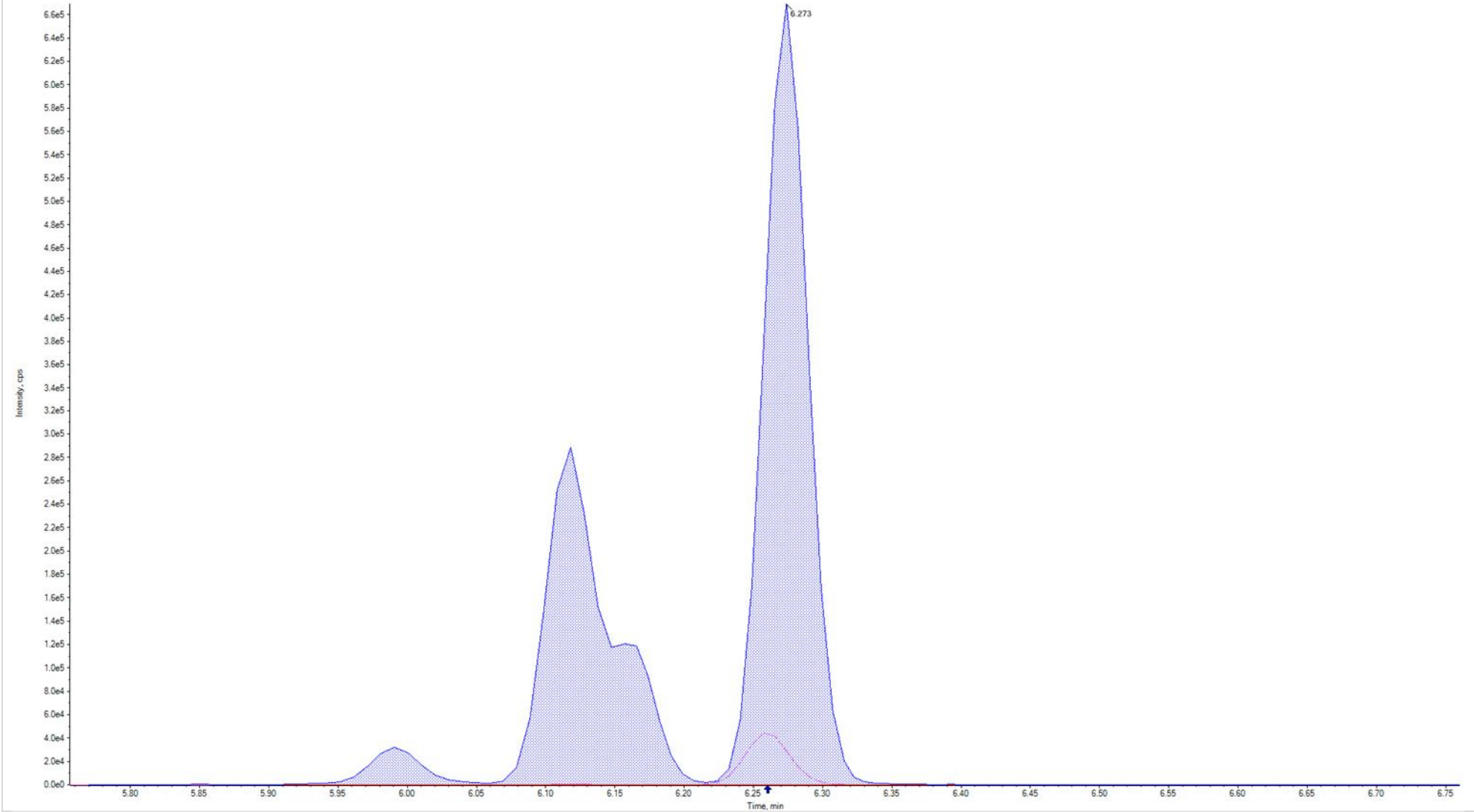
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSA_2
Sample: IA1633STD-62.5 S/N:231.3 Points Across peak:55



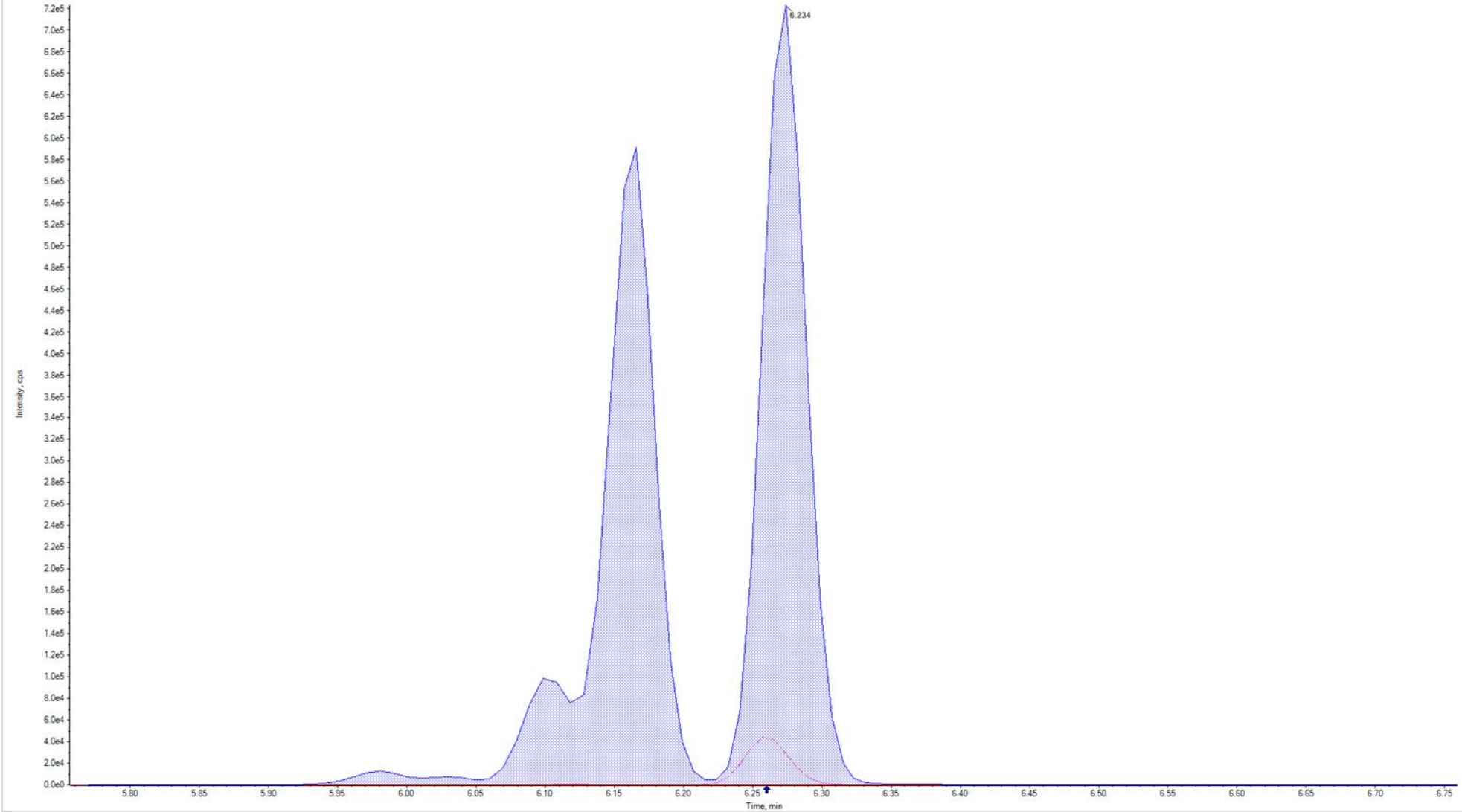
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSA
Sample: IA1633STD-62.5 S/N:1168.0 Points Across peak:69



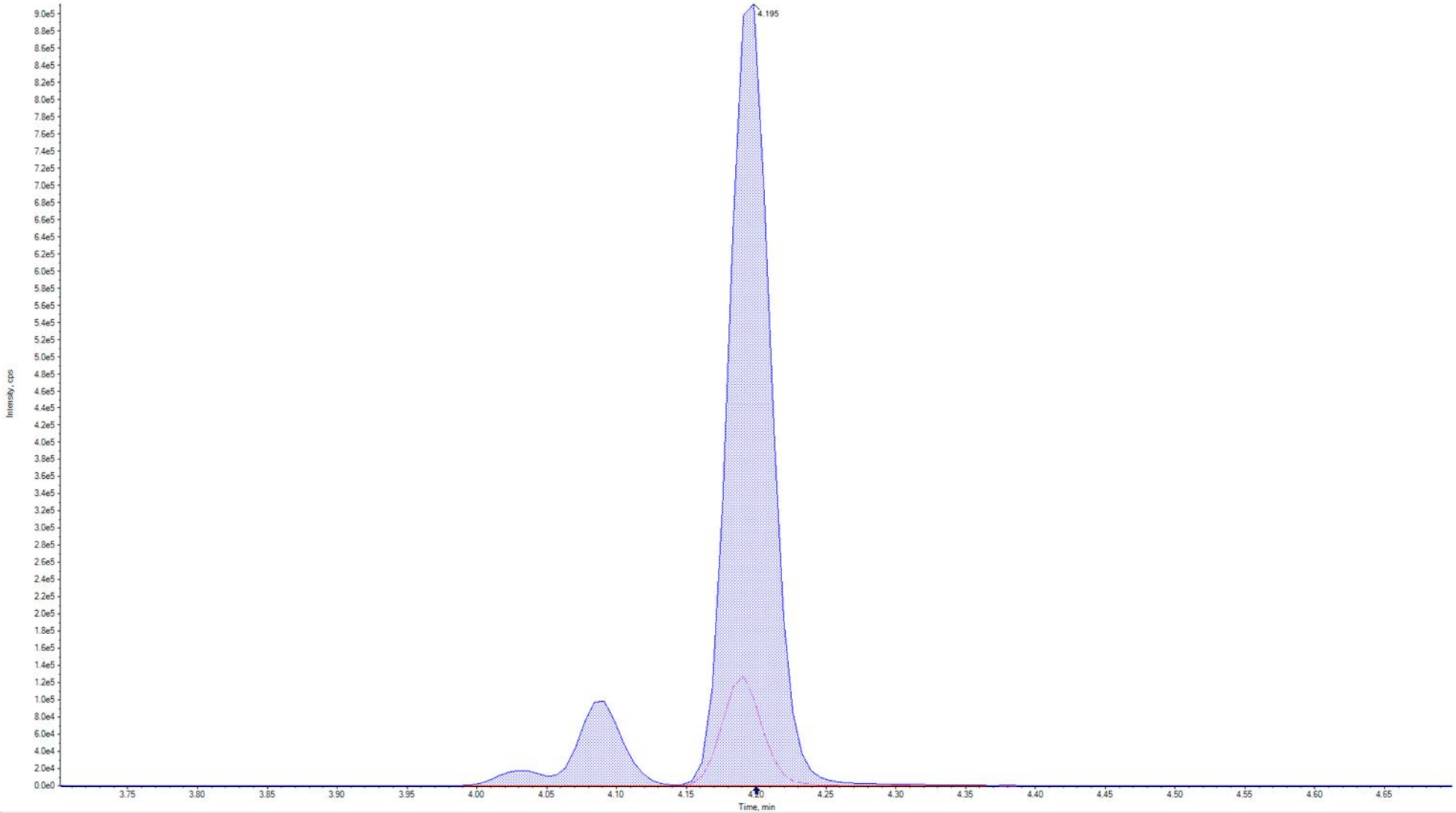
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSA_2
Sample: IA1633STD-62.5 S/N:1147.2 Points Across peak:67



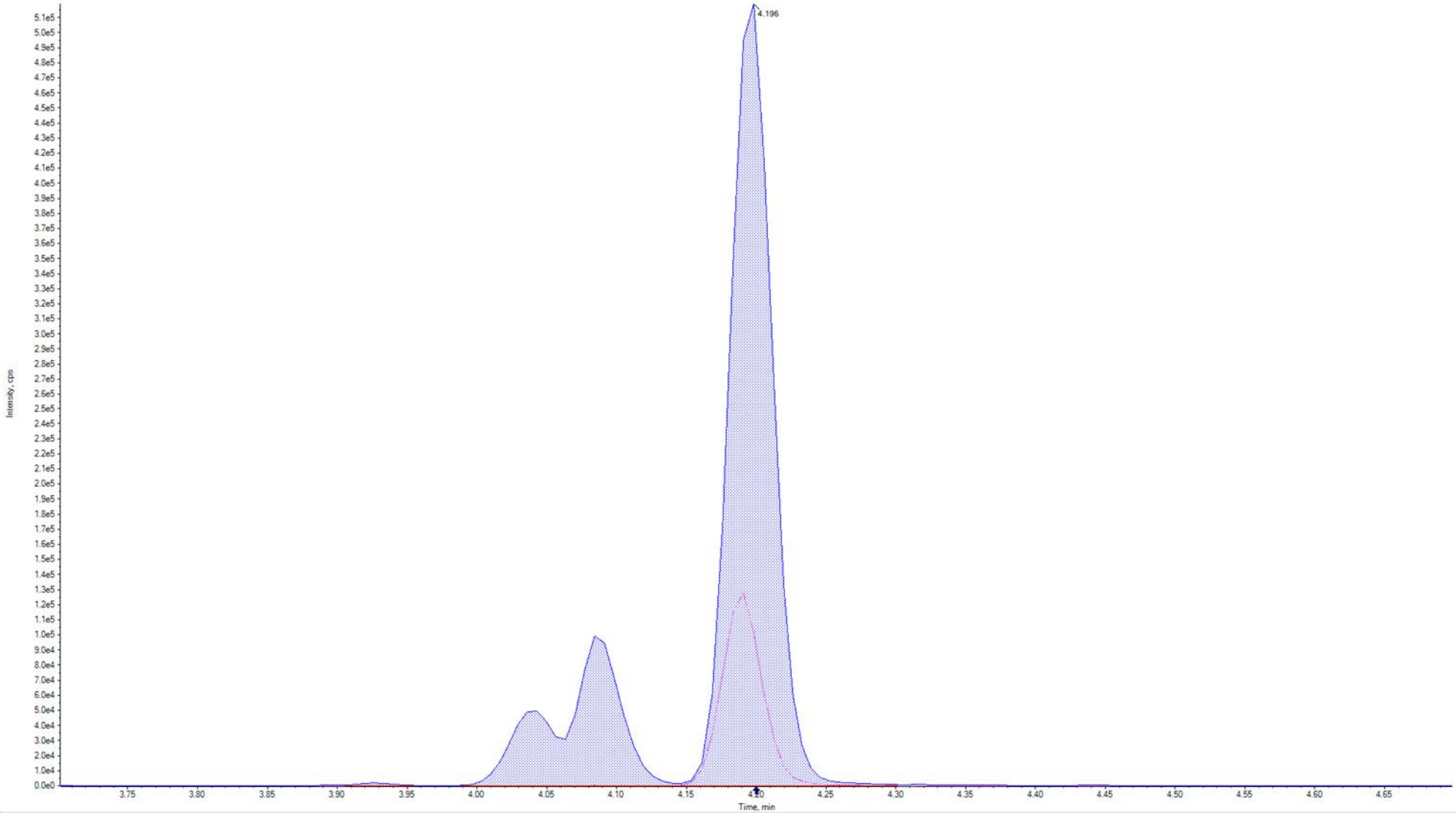
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSAA
Sample: IA1633STD-62.5 S/N:934.0 Points Across peak:64



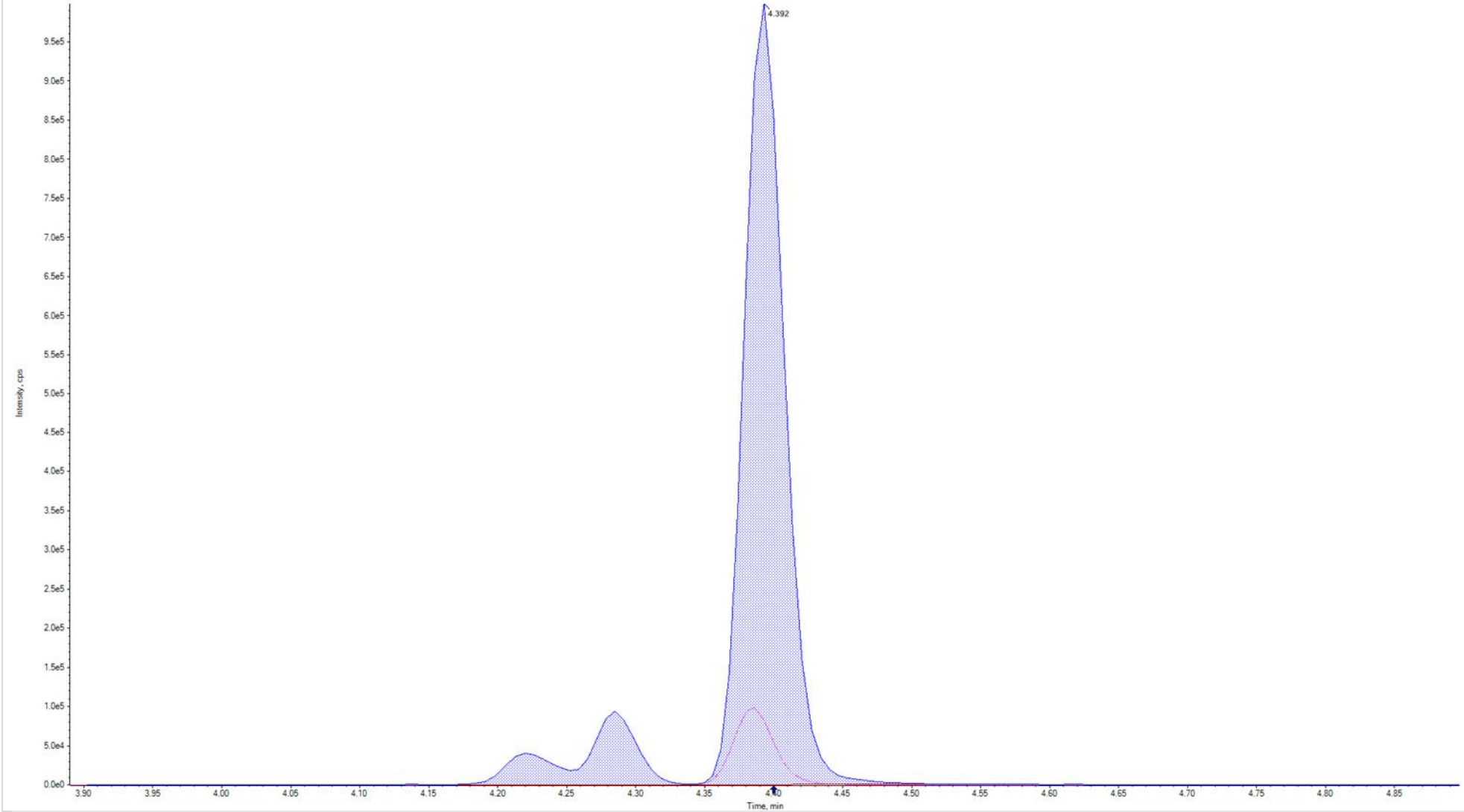
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSAA_2
Sample: IA1633STD-62.5 S/N:594.2 Points Across peak:62



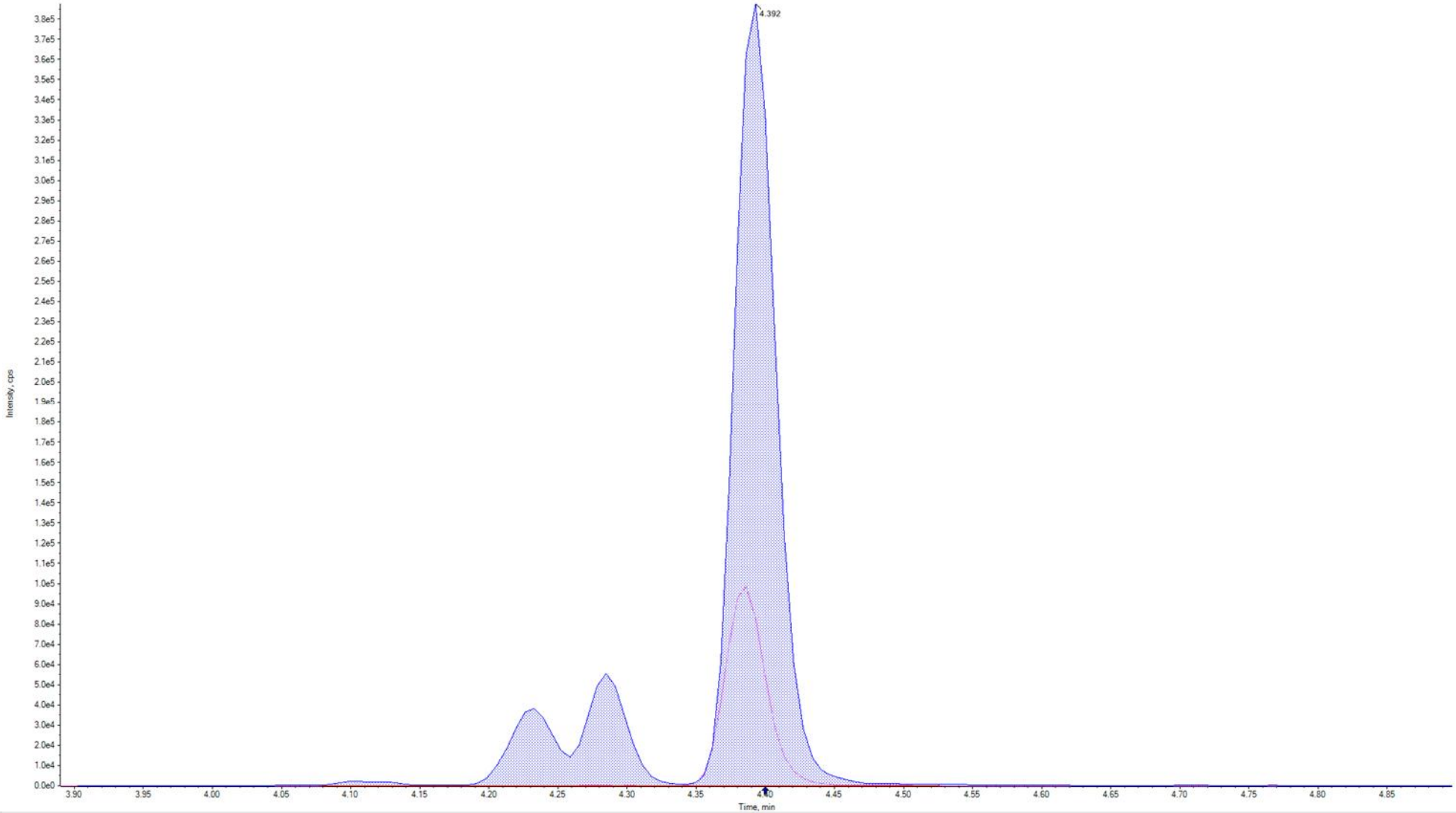
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSAA
Sample: IA1633STD-62.5 S/N:754.9 Points Across peak:59



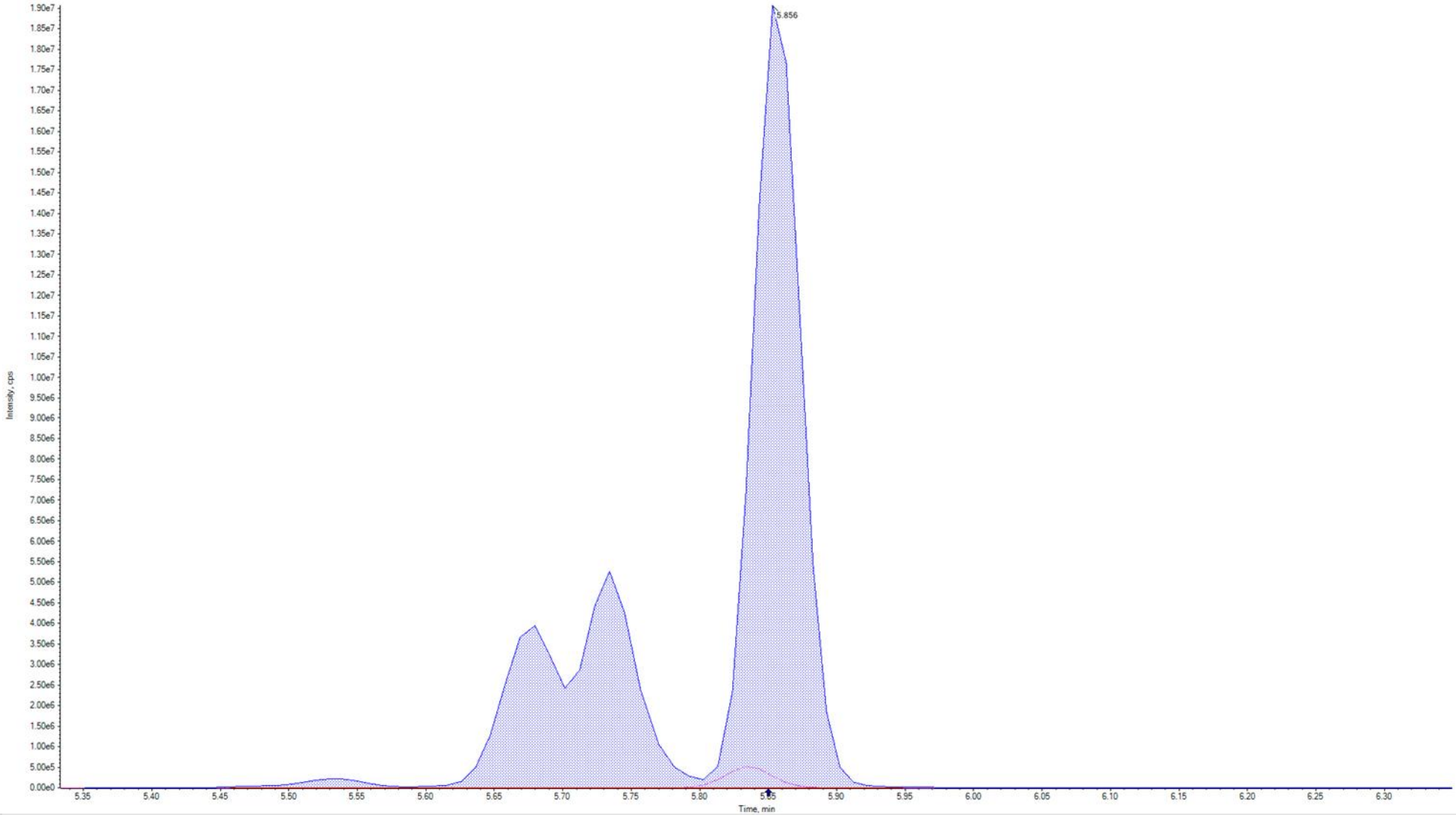
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSAA_2
Sample: IA1633STD-62.5 S/N:485.2 Points Across peak:69



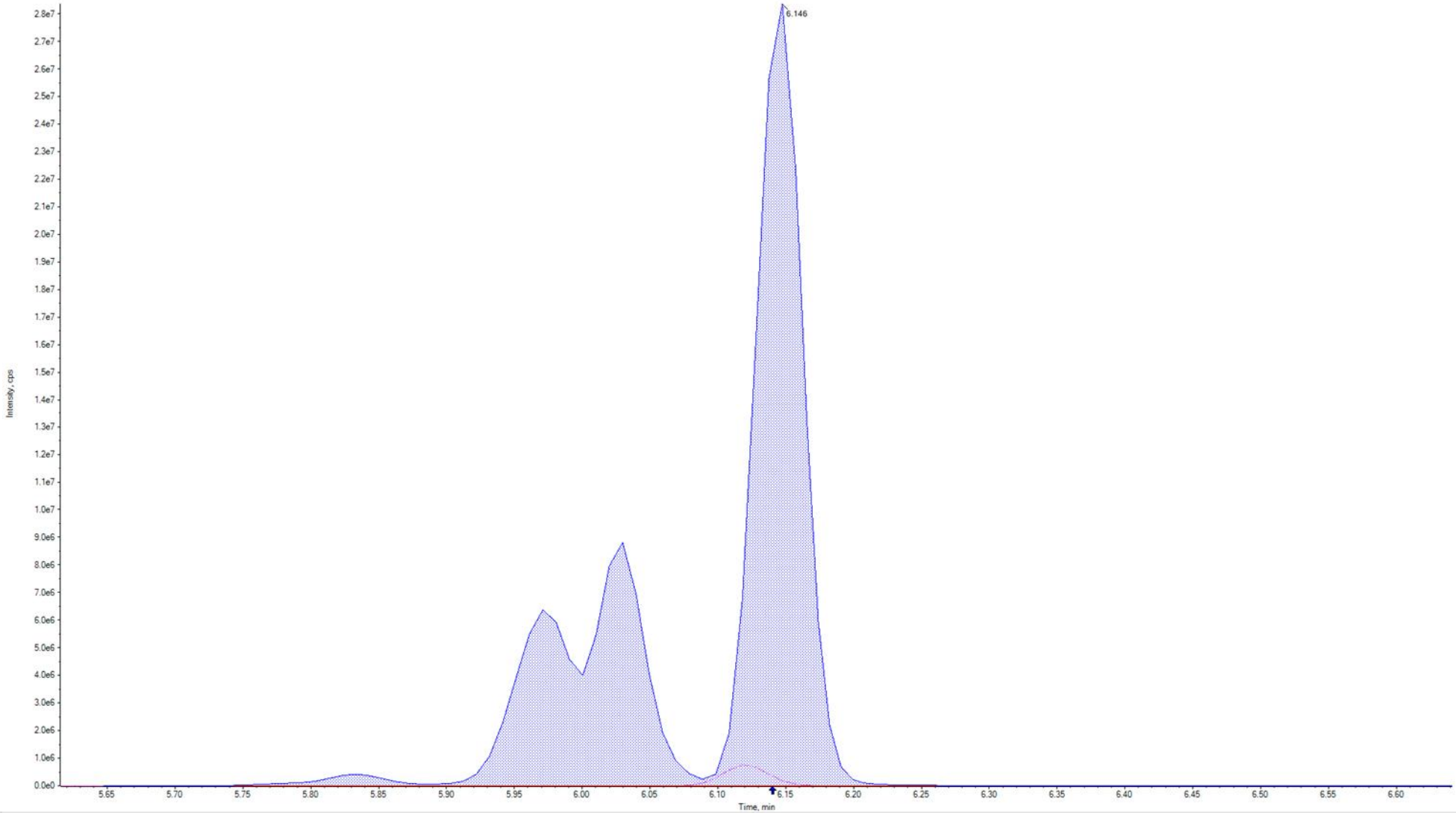
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

NMeFOSE
Sample: IA1633STD-62.5 S/N:214.0 Points Across peak:50

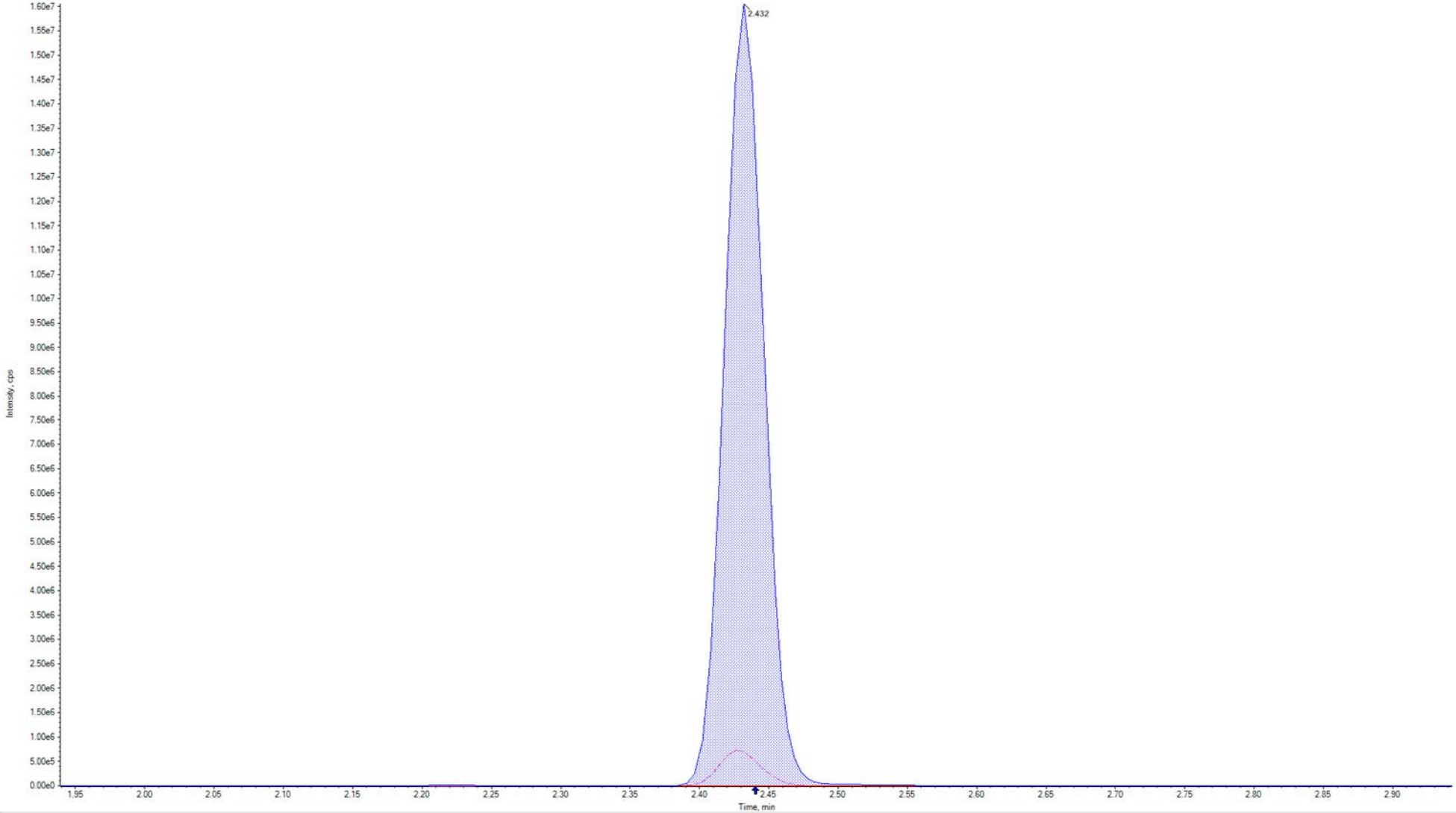


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

NEtFOSE
Sample: IA1633STD-62.5 S/N:406.0 Points Across peak:75

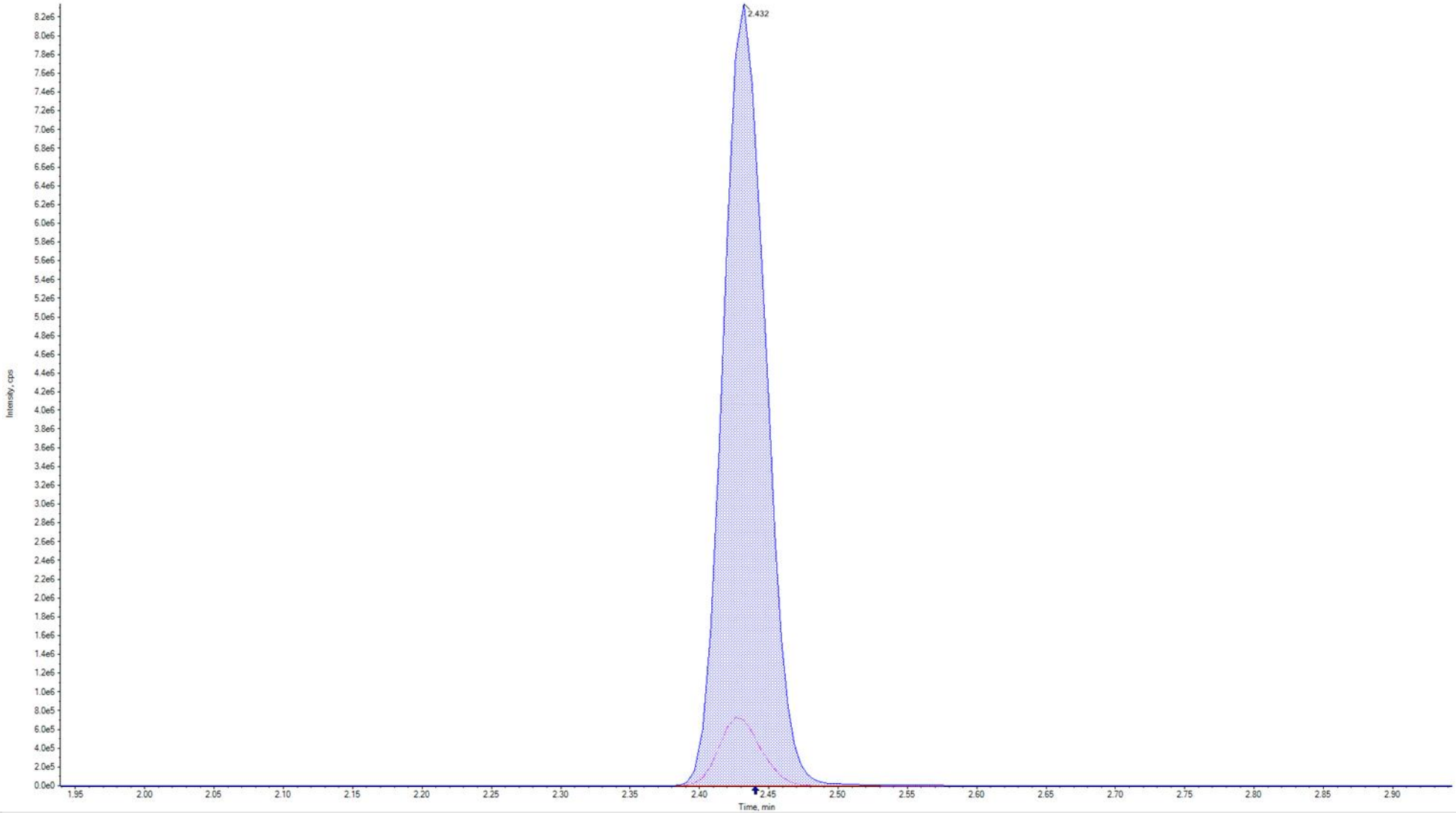


HFPO-DA
Sample: IA1633STD-62.5 S/N:297455.5 Points Across peak:53



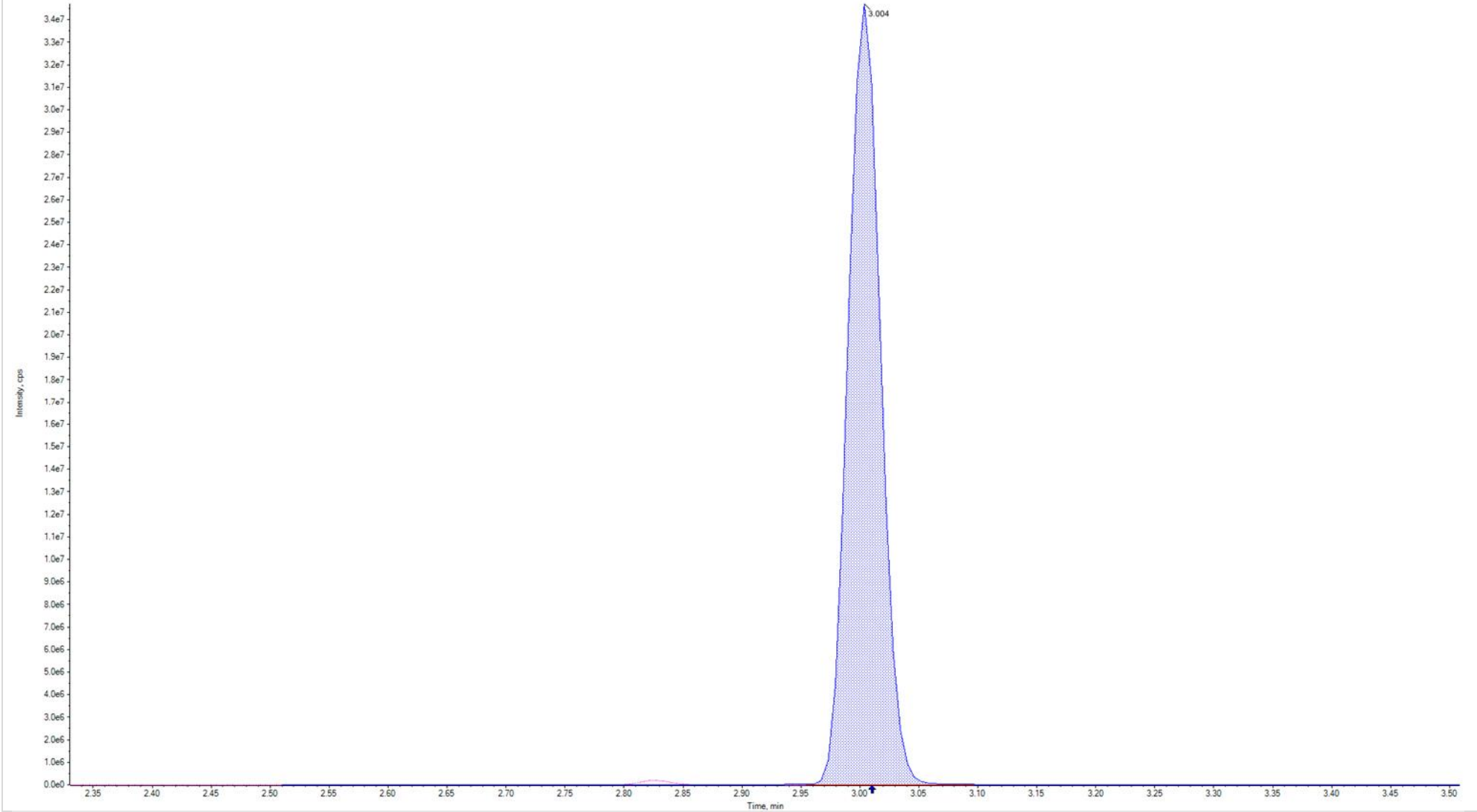
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

HFPO-DA_2
Sample: IA1633STD-62.5 S/N:176971.6 Points Across peak:32



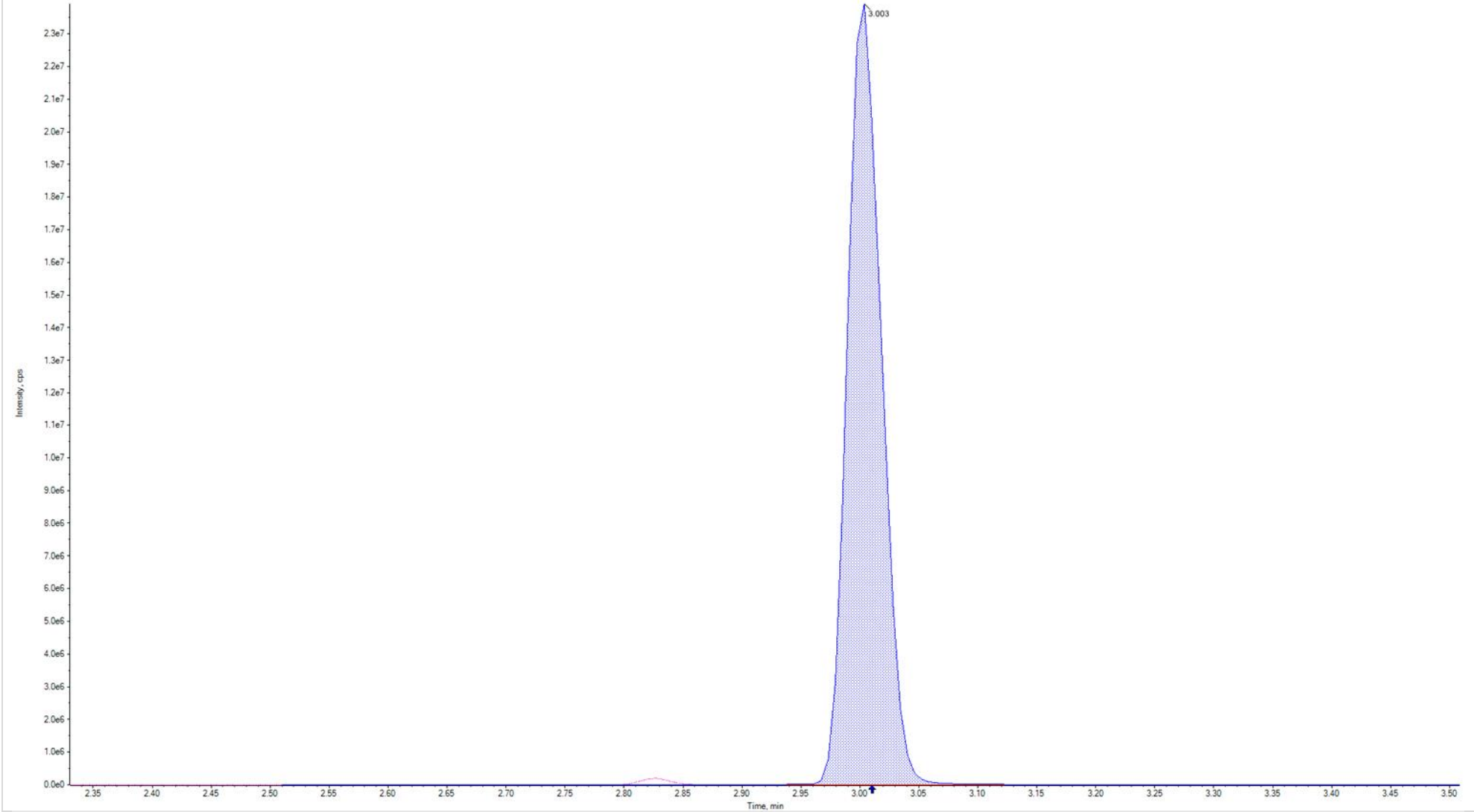
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

ADONA
Sample: IA1633STD-62.5 S/N:40302.3 Points Across peak:40



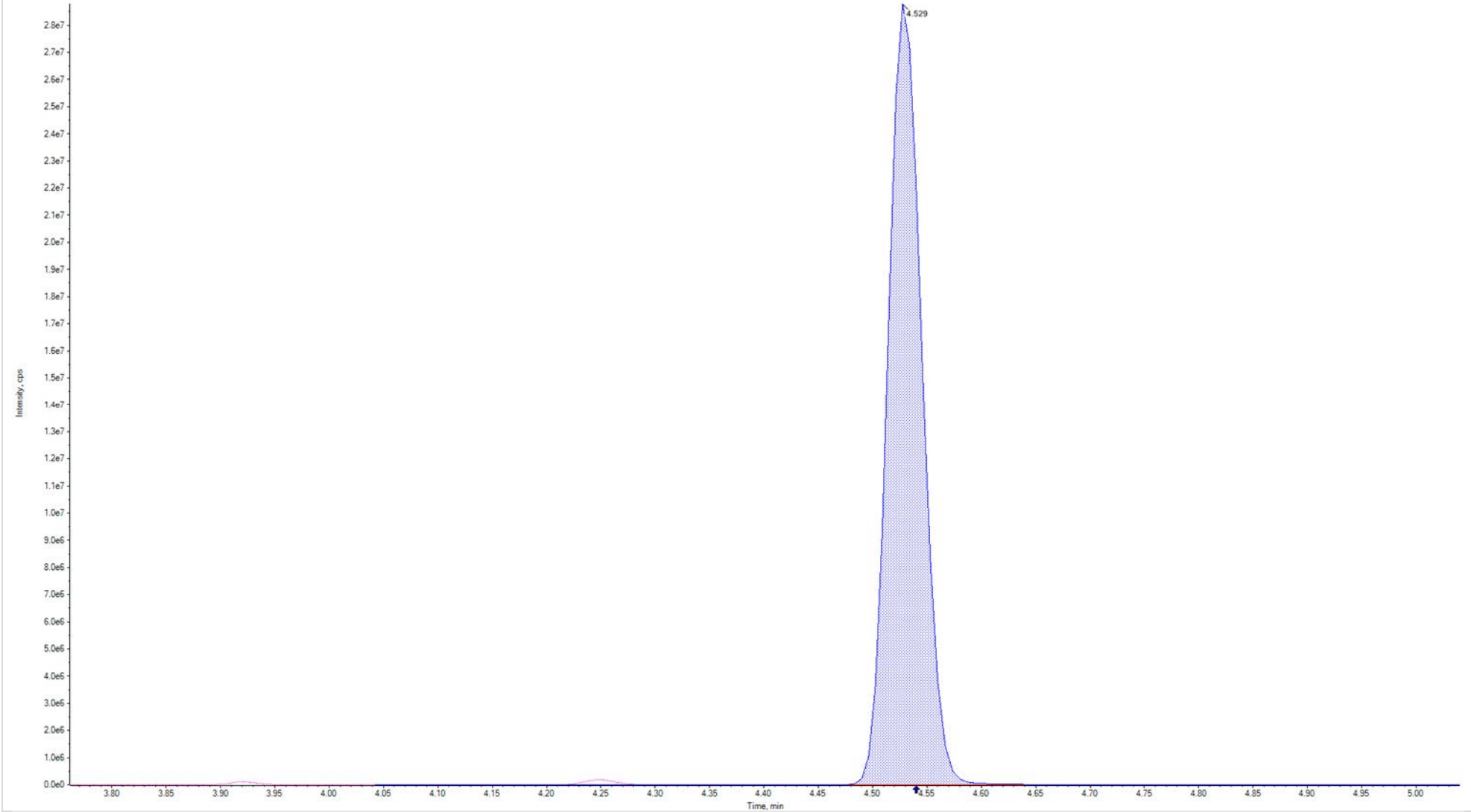
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

ADONA_2
Sample: IA1633STD-62.5 S/N:99350.7 Points Across peak:57



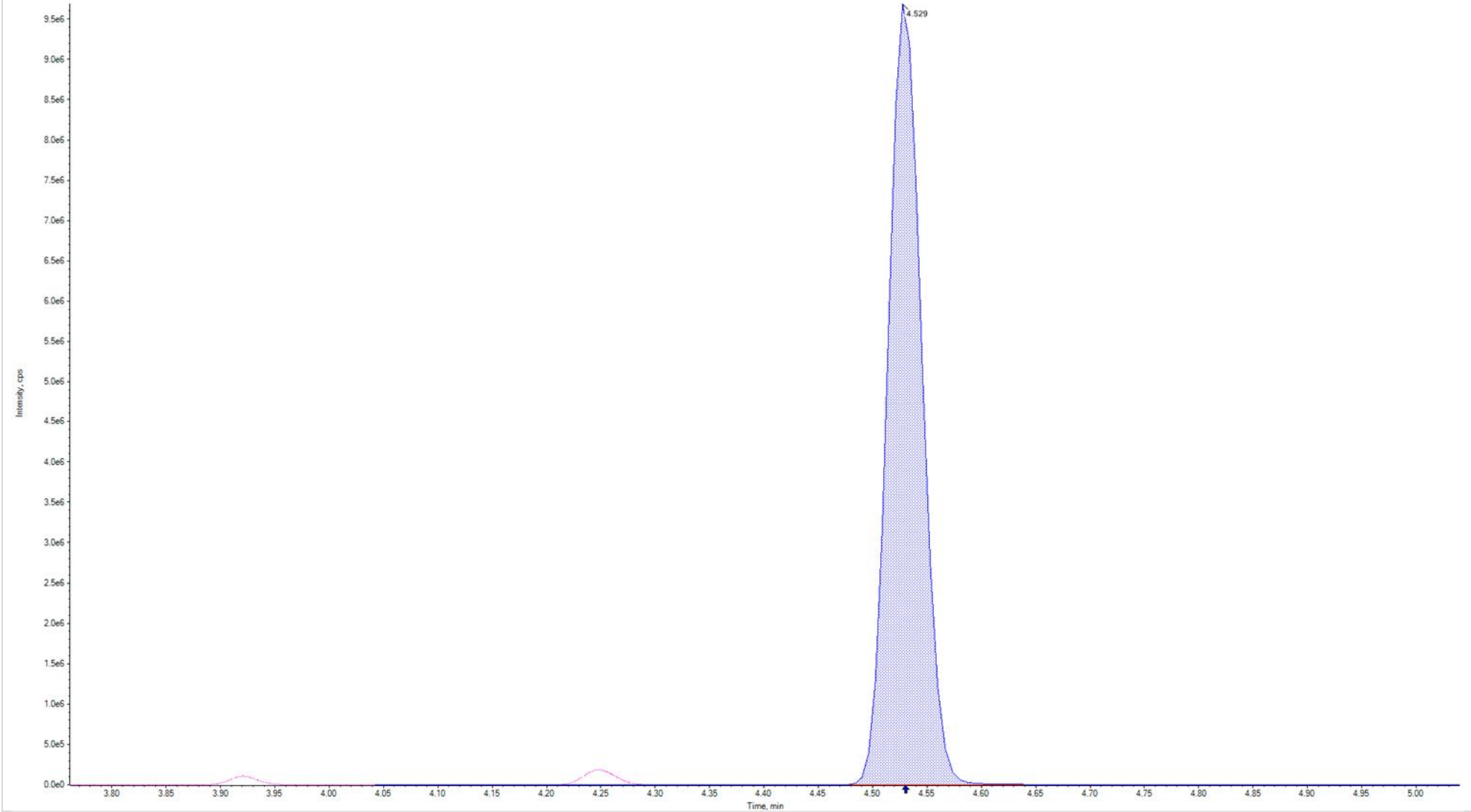
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

9Cl-PF3ONS
Sample: IA1633STD-62.5 S/N:649421.0 Points Across peak:41



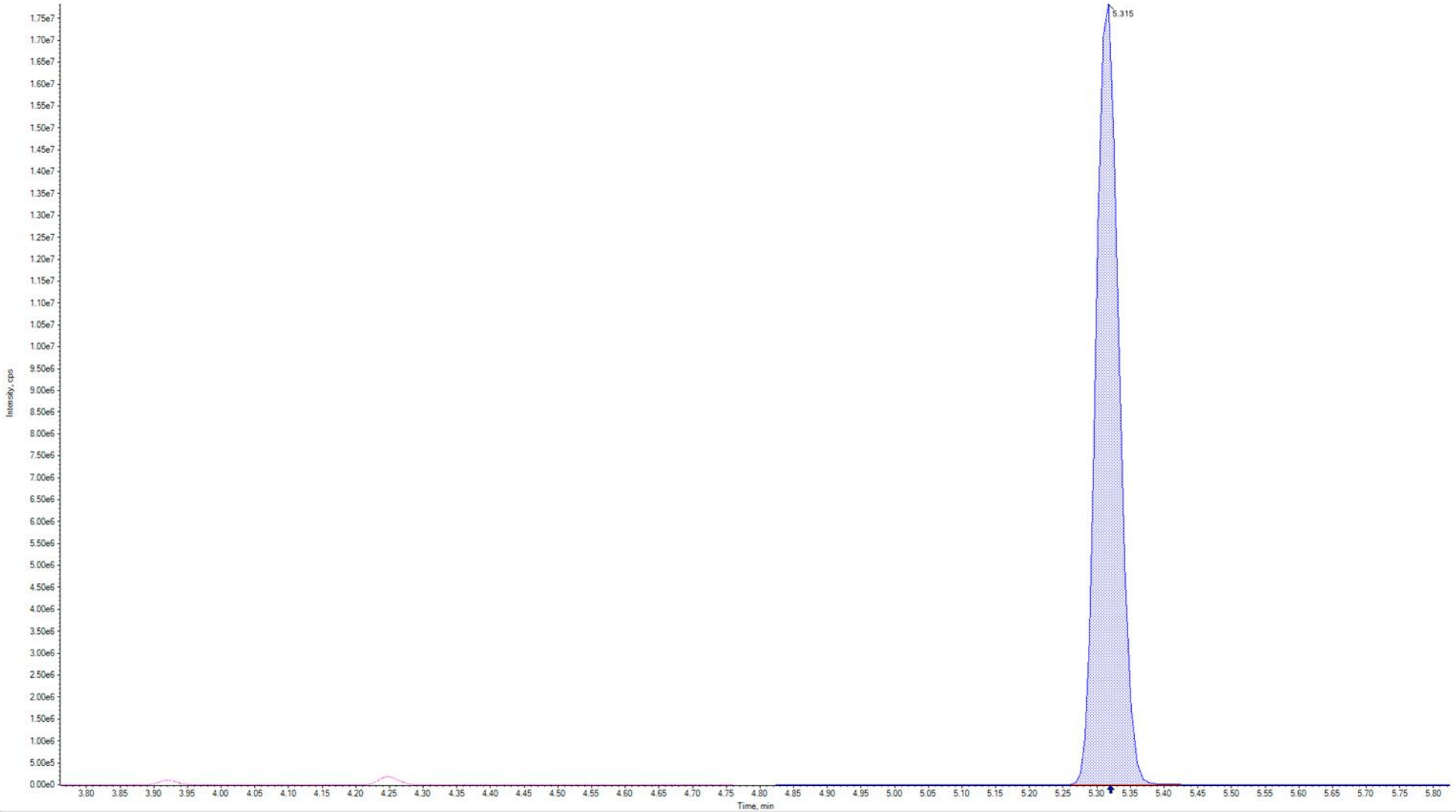
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

9Cl-PF3ONS_2
Sample: IA1633STD-62.5 S/N:218534.3 Points Across peak:42



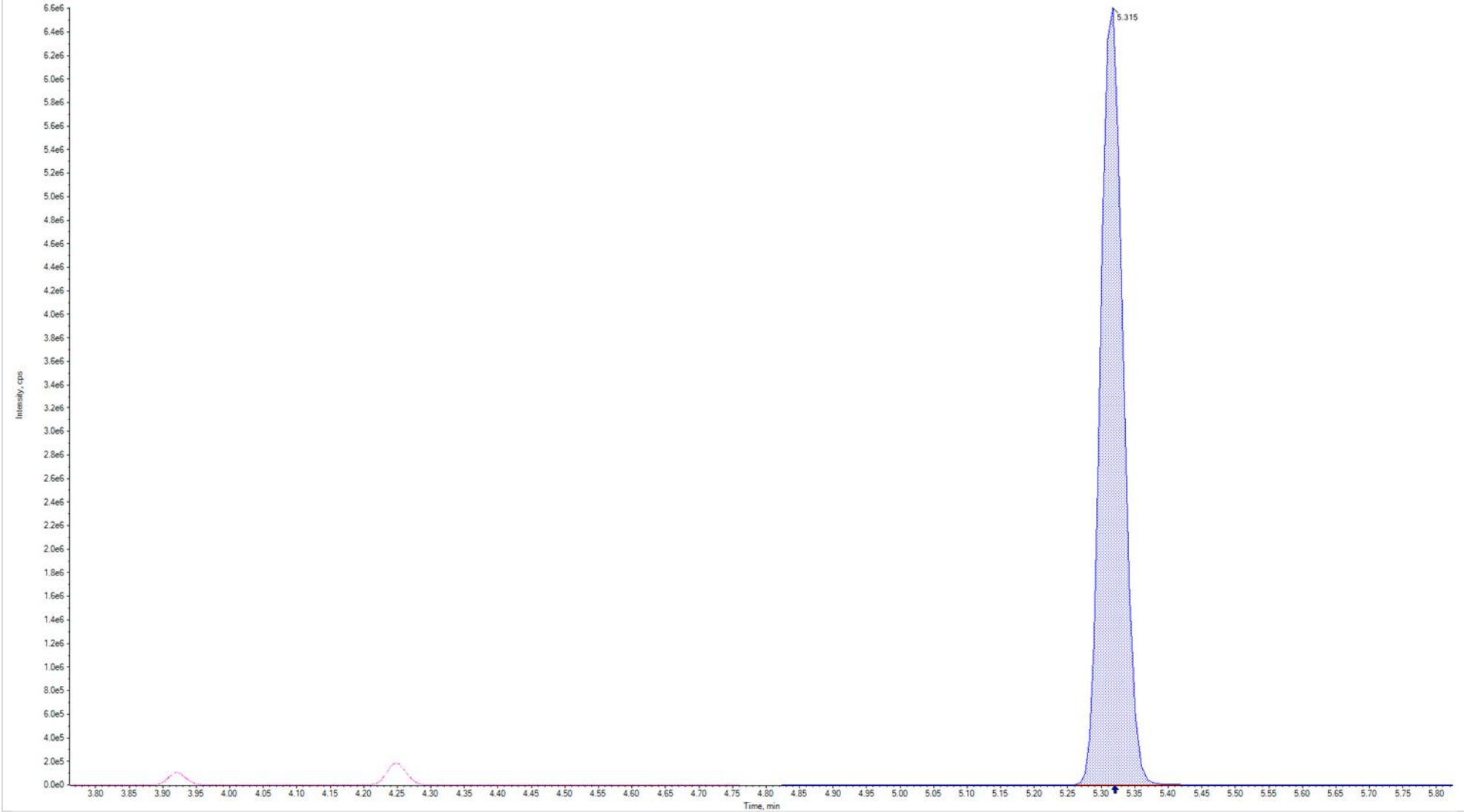
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

11Cl-PF3OUdS
Sample: IA1633STD-62.5 S/N:849115.4 Points Across peak:36



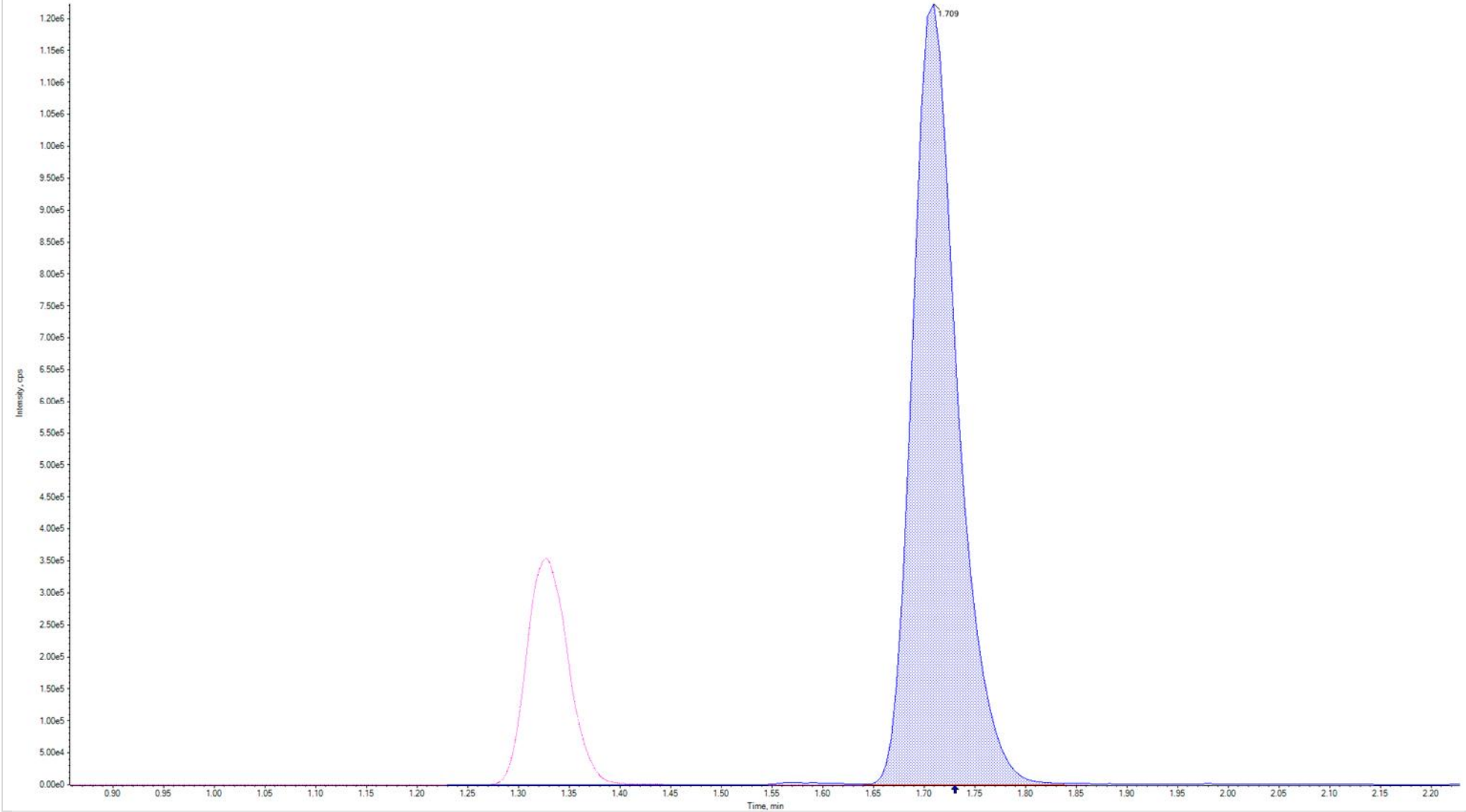
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-62.5 S/N:12573.7 Points Across peak:35



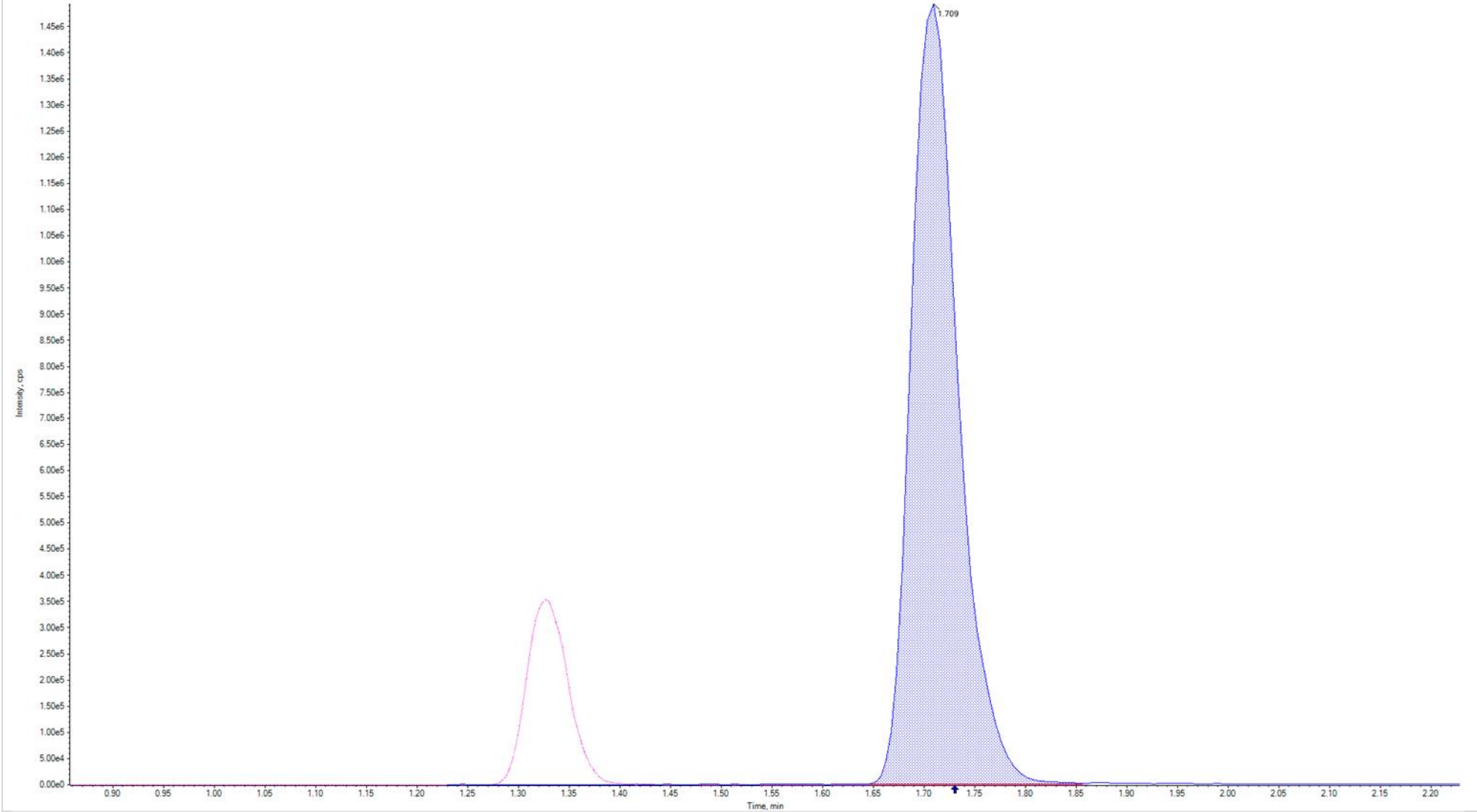
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

3:3FTCA
Sample: IA1633STD-62.5 S/N:2722.7 Points Across peak:35



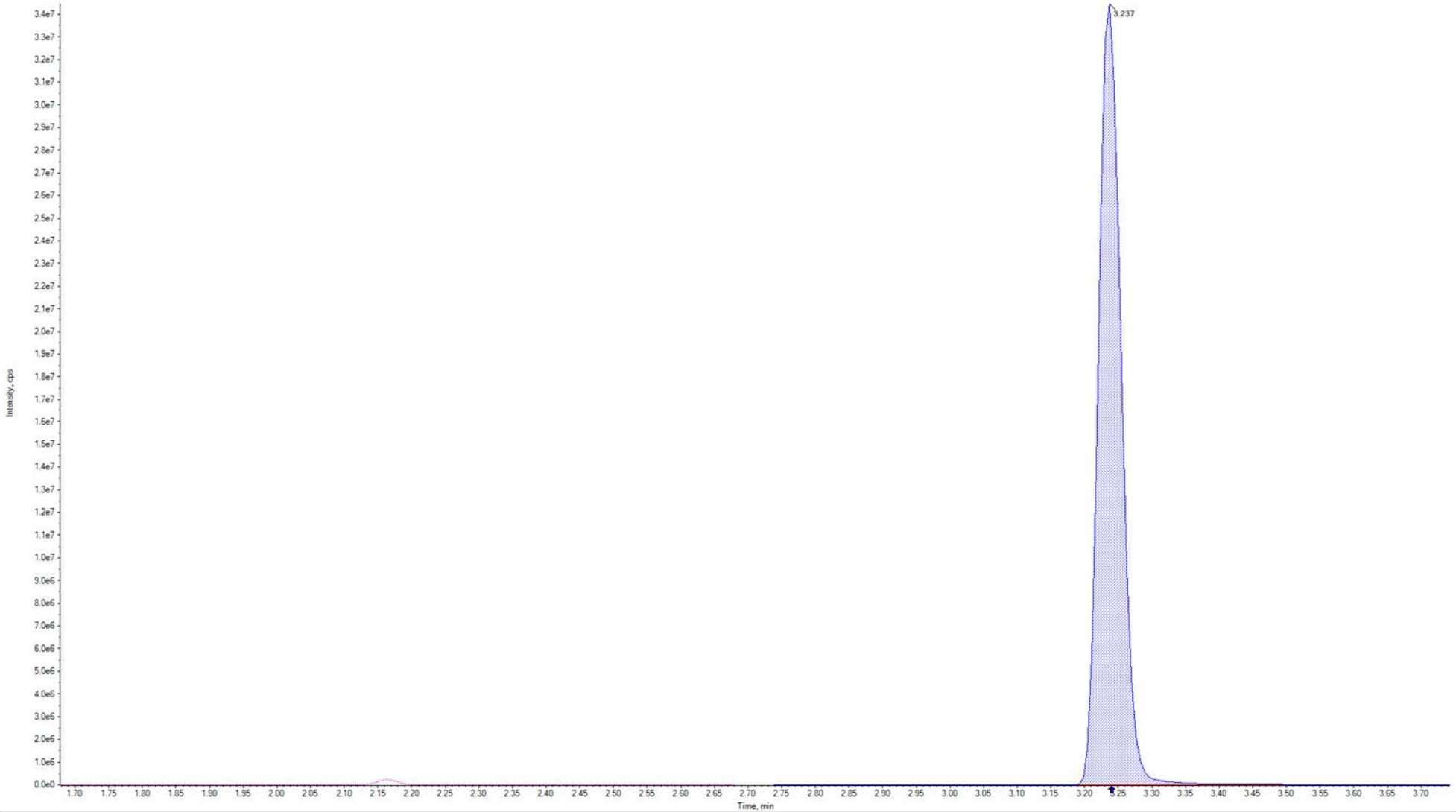
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

3:3FTCA_2
Sample: IA1633STD-62.5 S/N:5281.1 Points Across peak:39



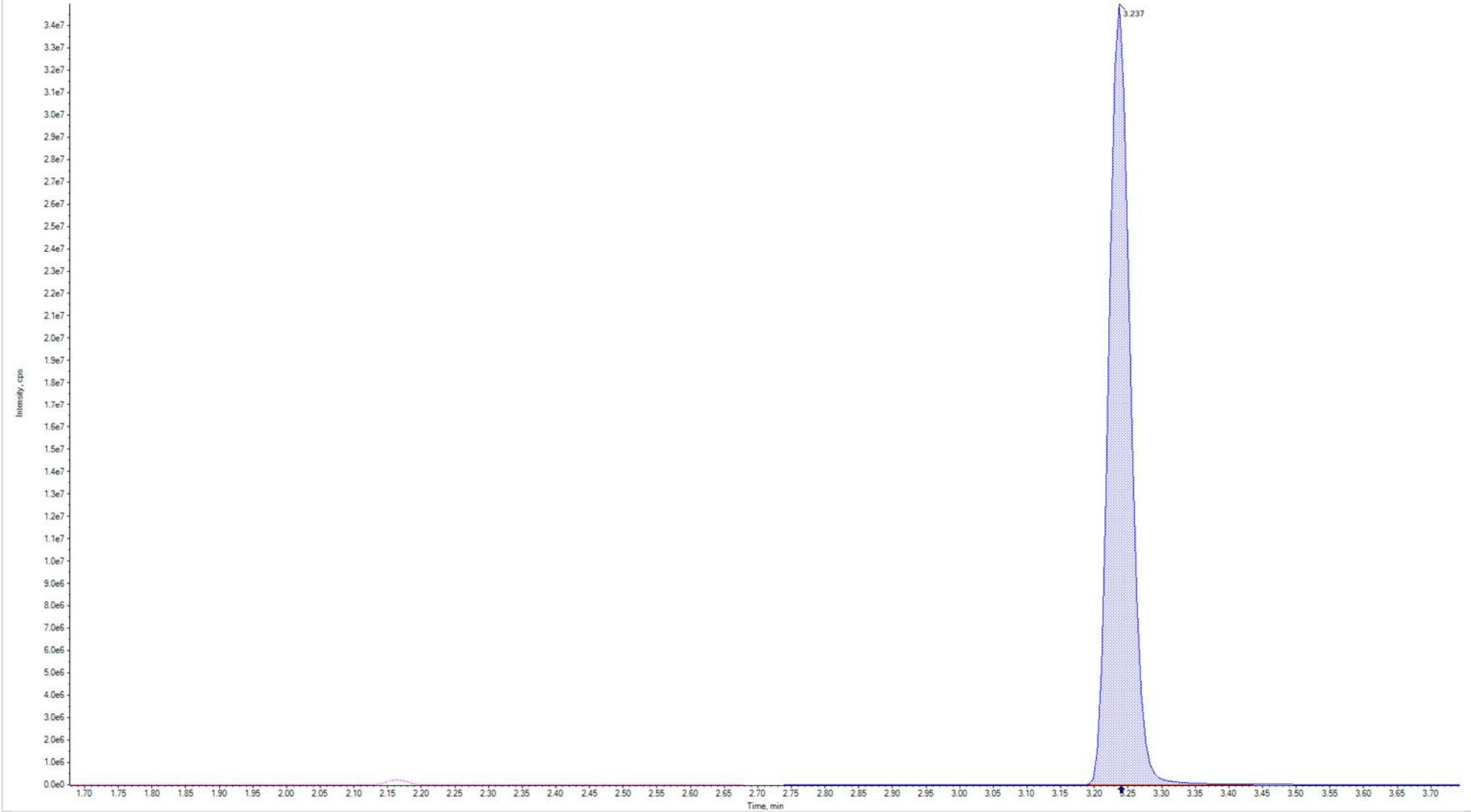
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

5:3FTCA
Sample: IA1633STD-62.5 S/N:58289.7 Points Across peak:59



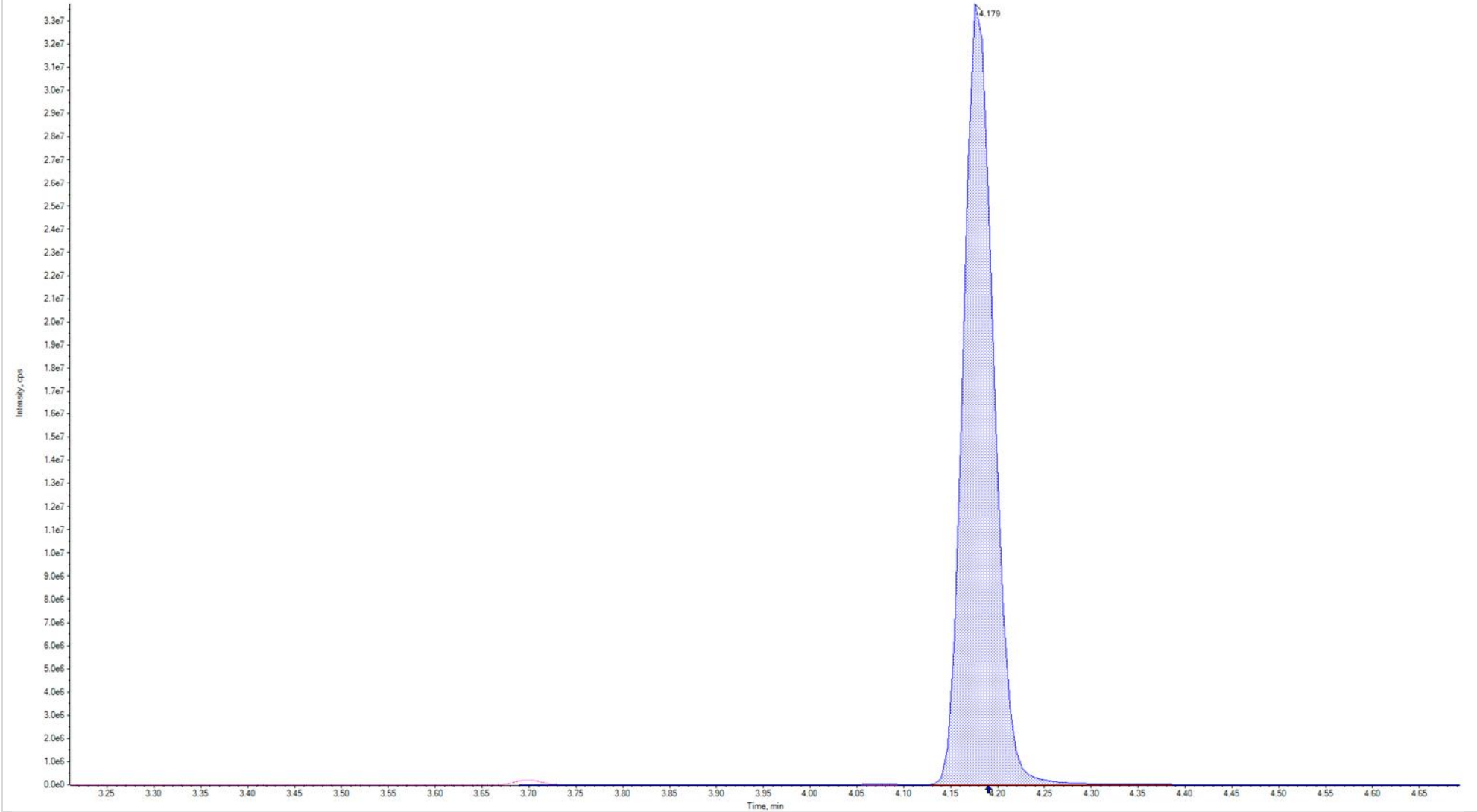
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

5:3FTCA_2
Sample: IA1633STD-62.5 S/N:47990.8 Points Across peak:43



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

7:3FTCA
Sample: IA1633STD-62.5 S/N:29765.4 Points Across peak:55



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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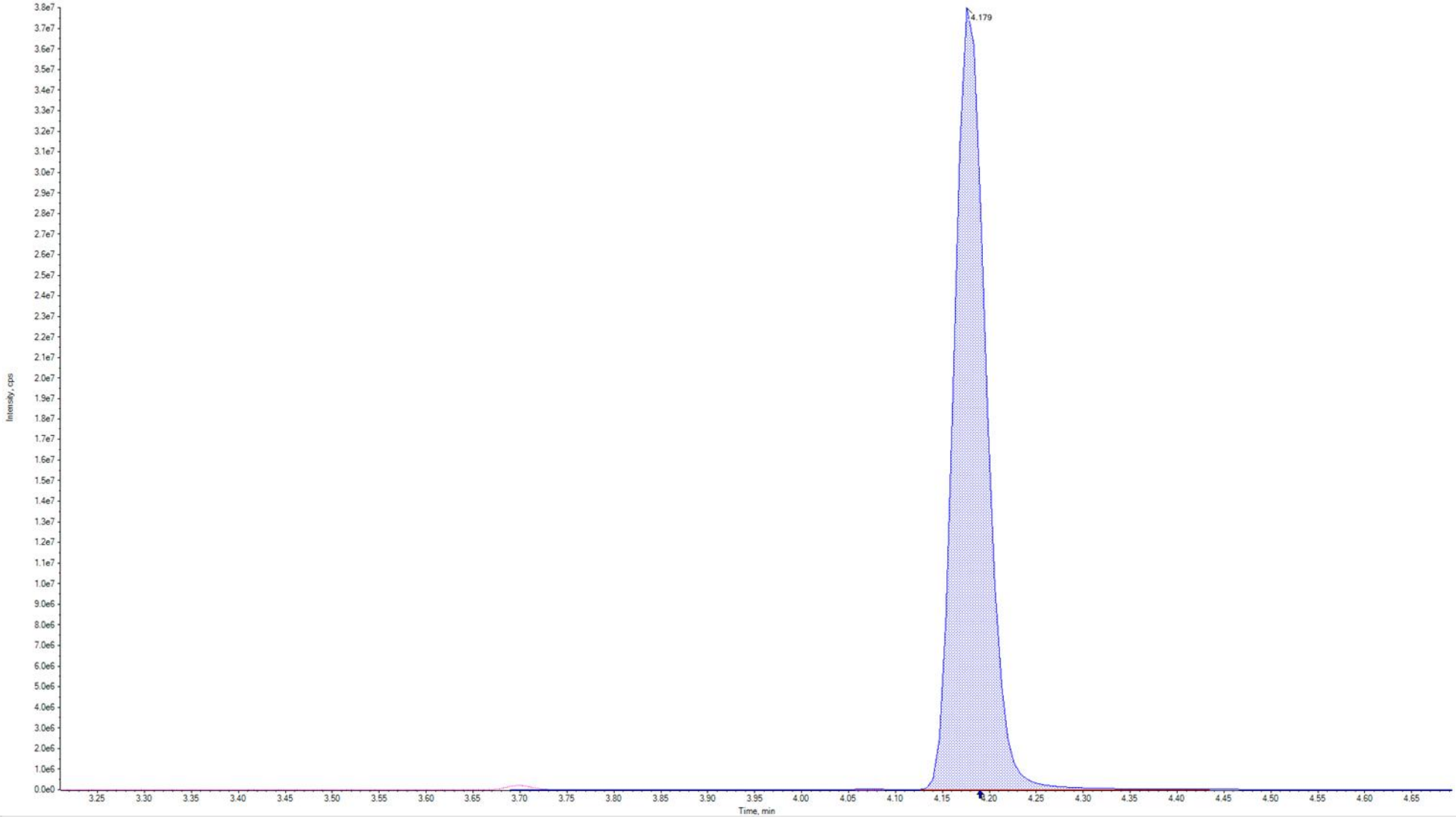
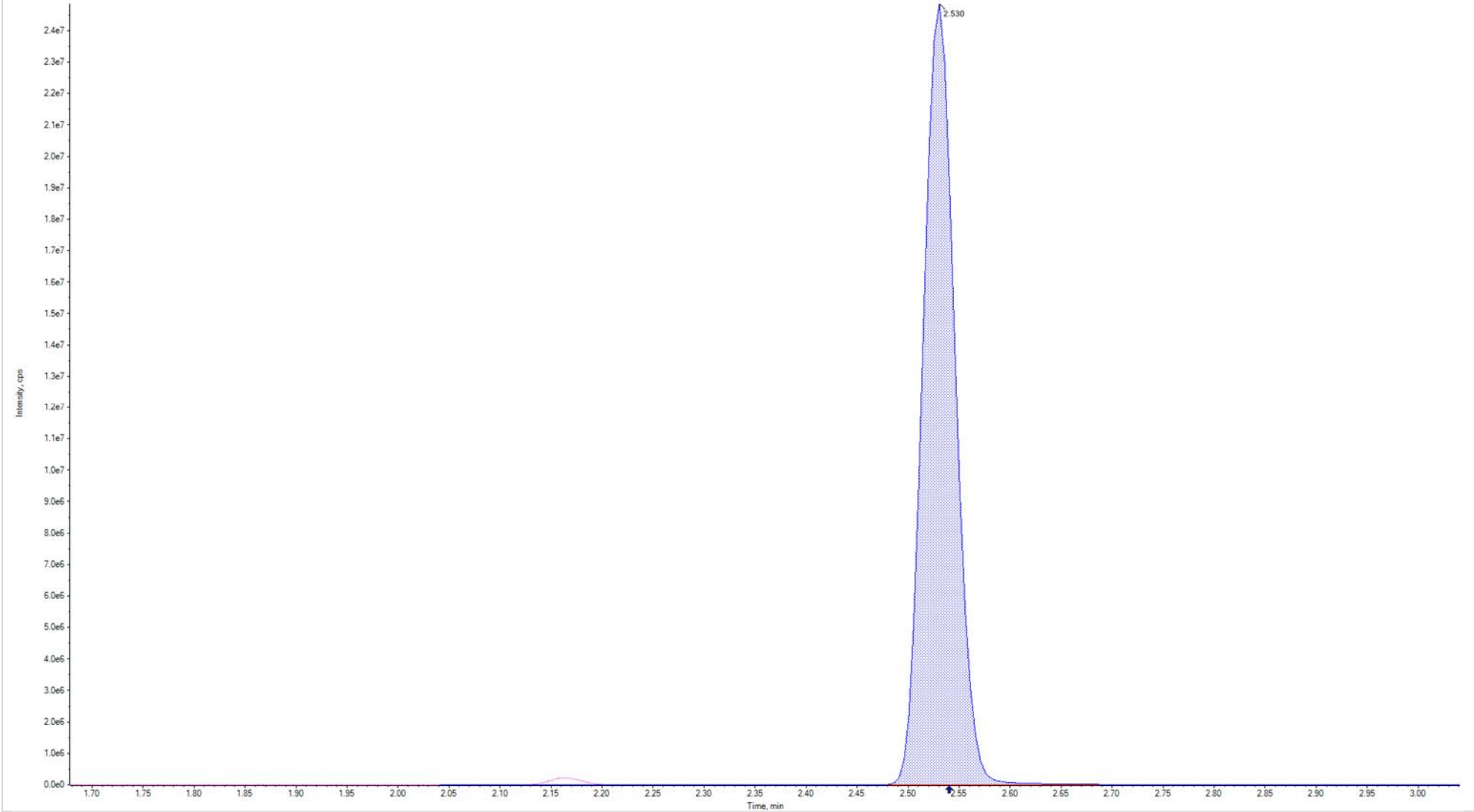
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

7:3FTCA_2
Sample: IA1633STD-62.5 S/N:23208.2 Points Across peak:49



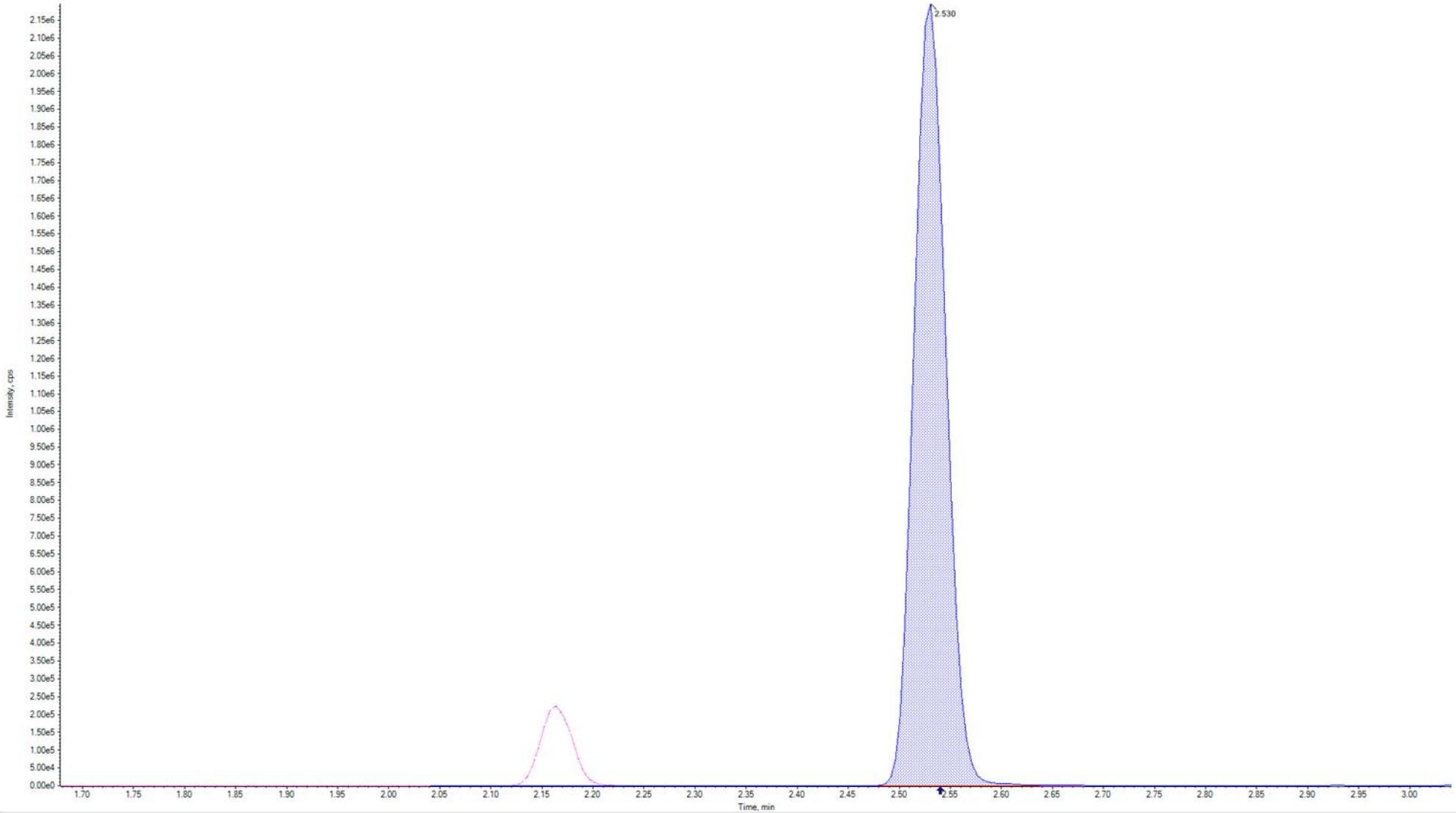
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

PFEESA
Sample: IA1633STD-62.5 S/N:446523.4 Points Across peak:57



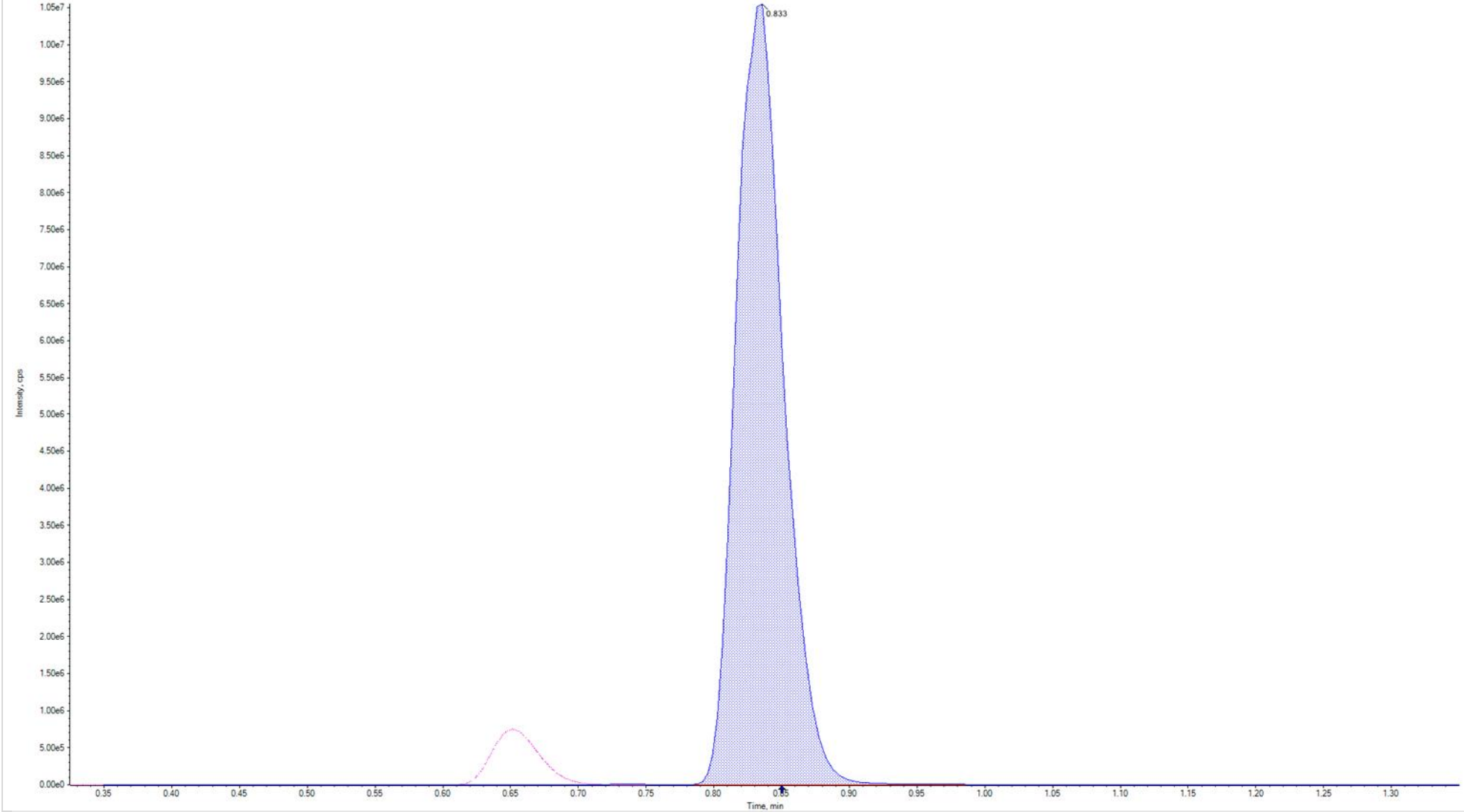
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

PFEESA_2
Sample: IA1633STD-62.5 S/N:4962.8 Points Across peak:34



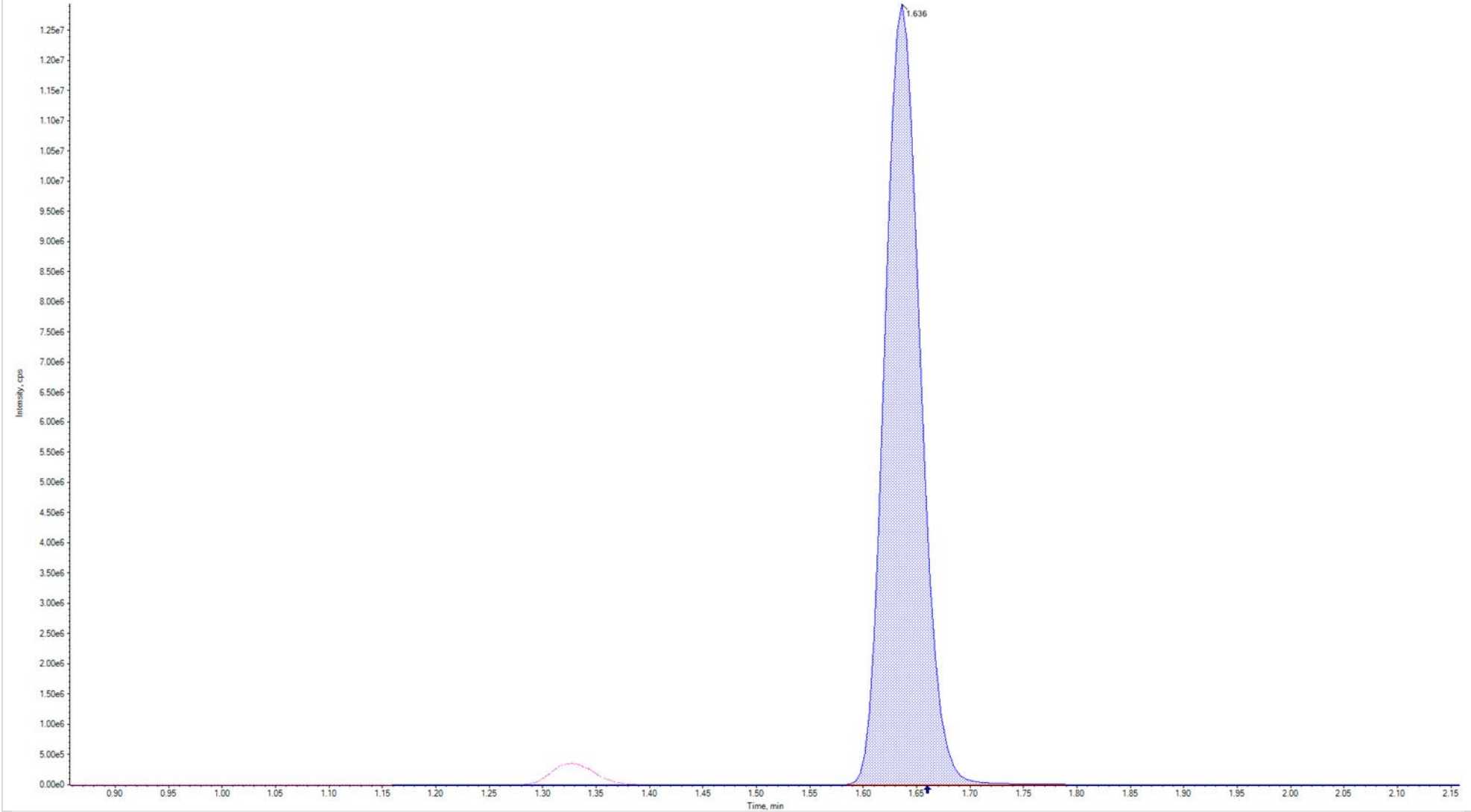
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

PFMPA
Sample: IA1633STD-62.5 S/N:27586.6 Points Across peak:53



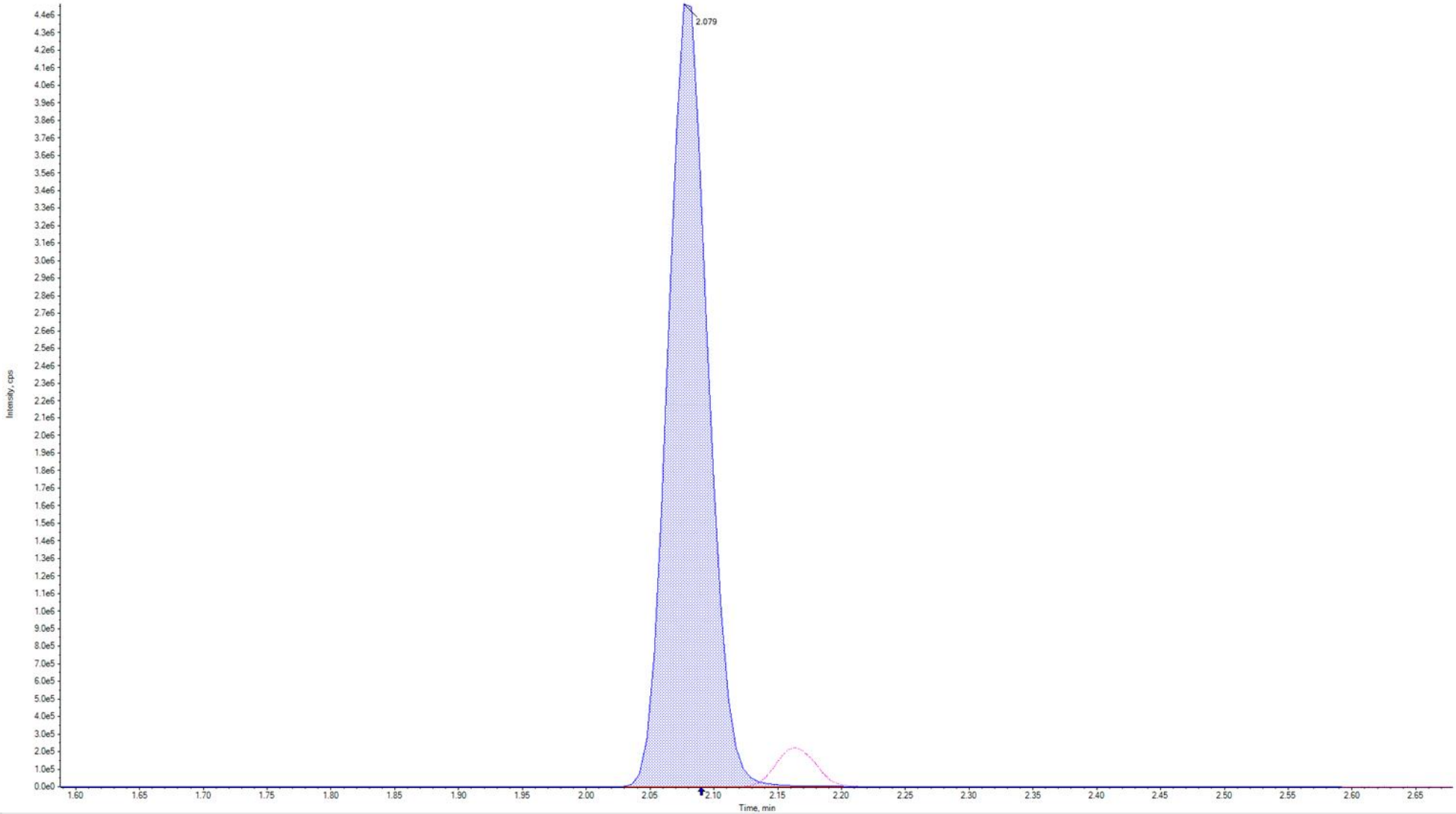
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

PFMBA
Sample: IA1633STD-62.5 S/N:53040.9 Points Across peak:64



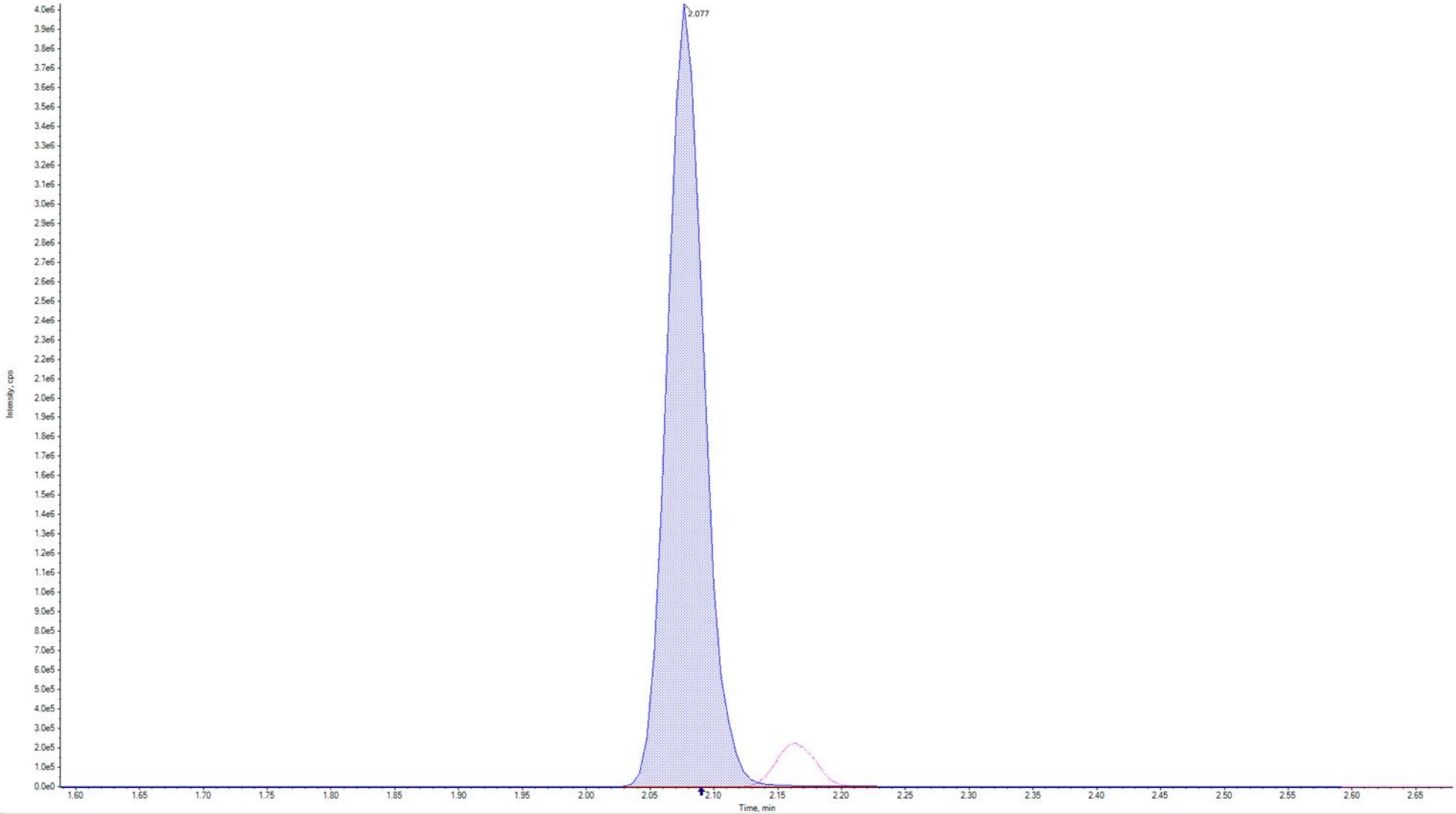
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

NFDHA
Sample: IA1633STD-62.5 S/N:123071.0 Points Across peak:46



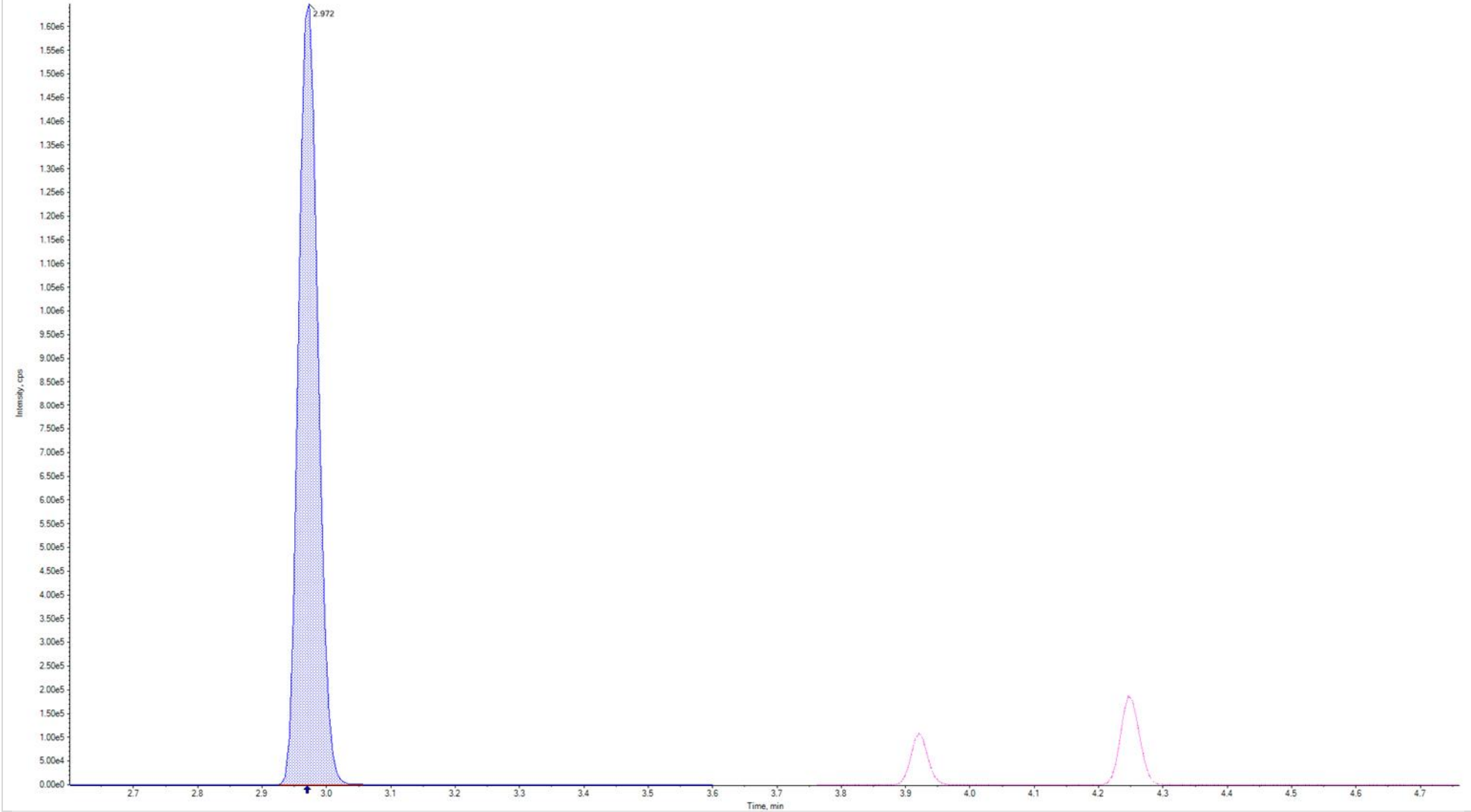
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

NFDHA_2
Sample: IA1633STD-62.5 S/N:111099.9 Points Across peak:45



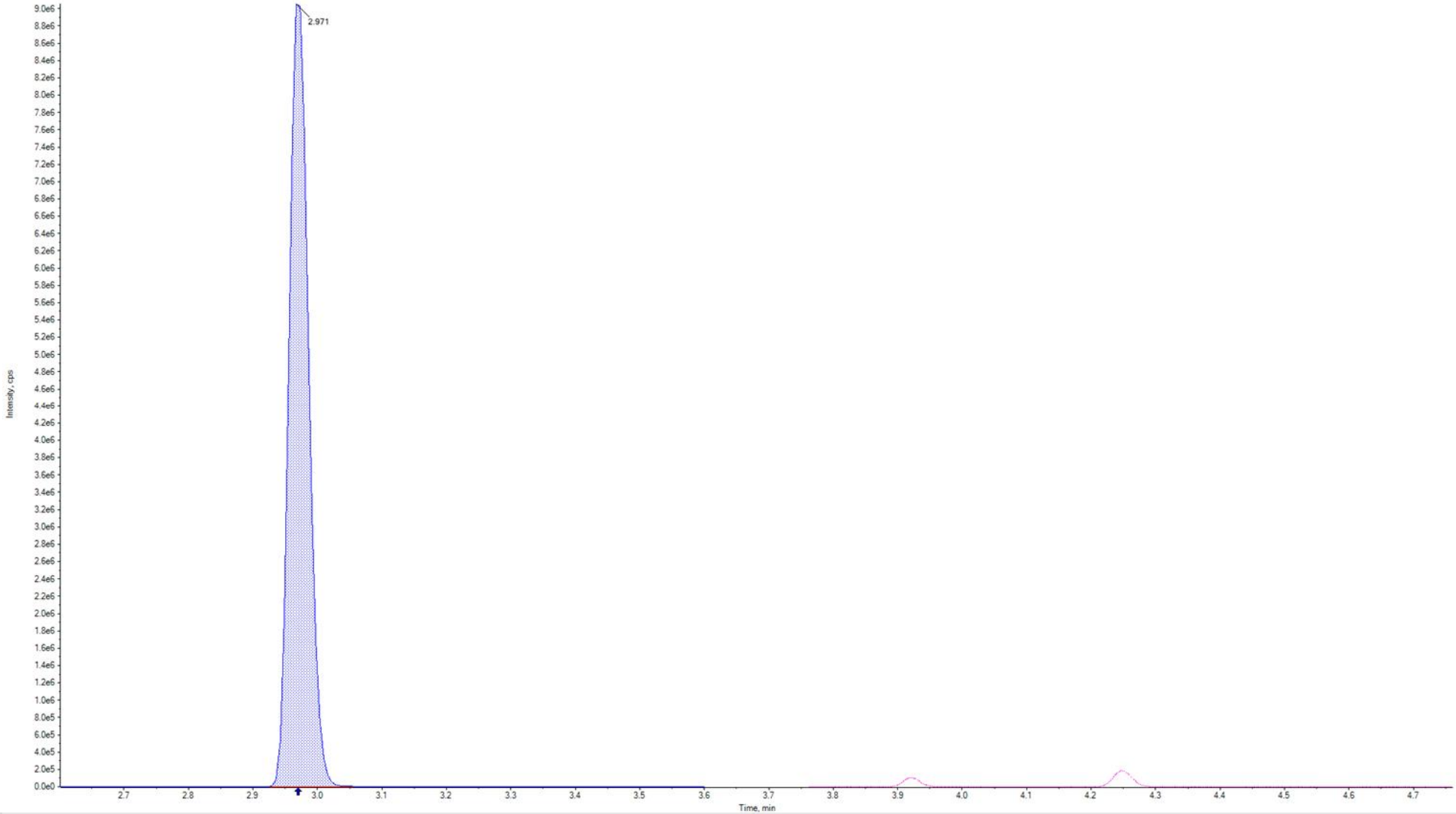
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

TDCA
Sample: IA1633STD-62.5 S/N:12026.1 Points Across peak:37



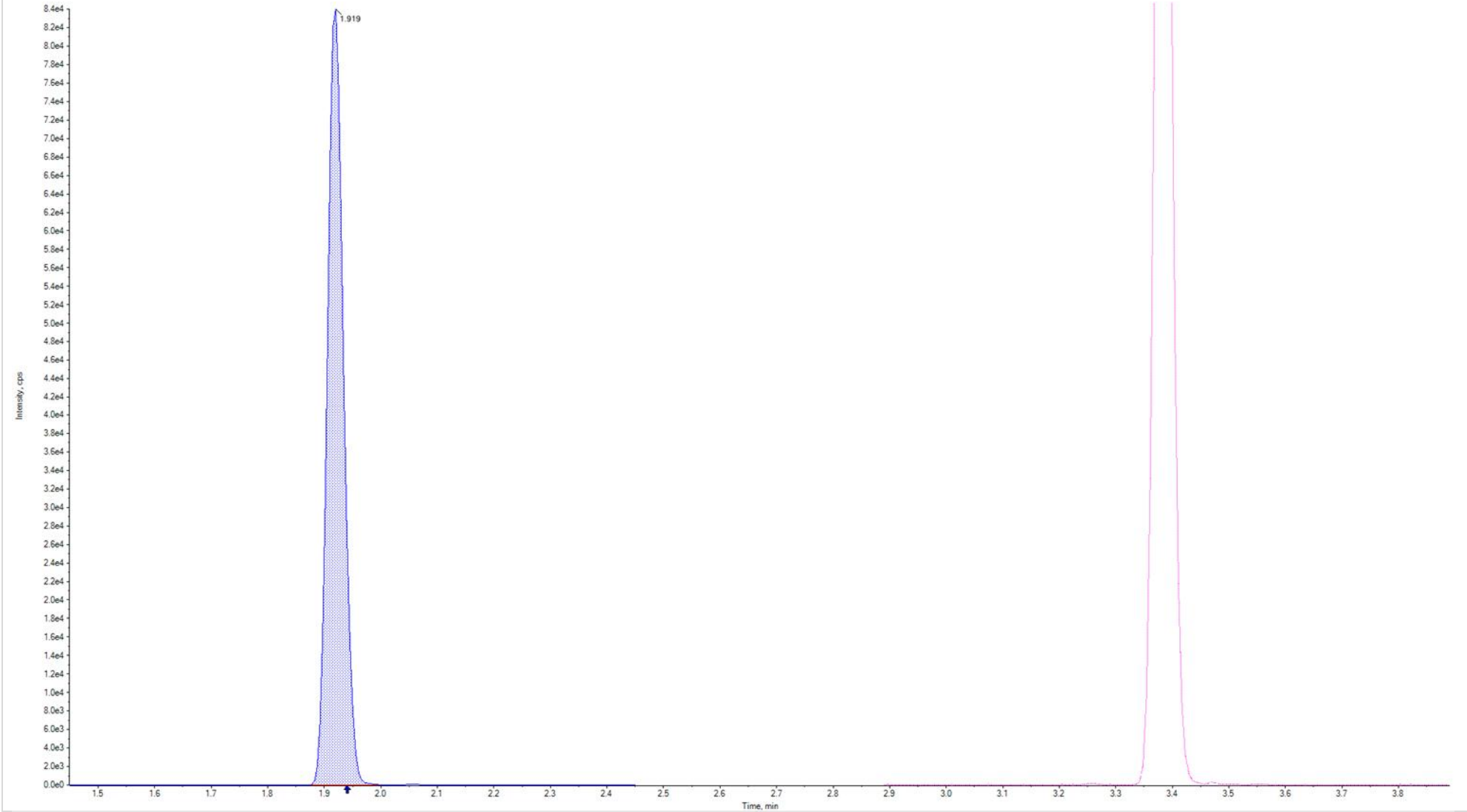
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

TDCA_2
Sample: IA1633STD-62.5 S/N:9598.1 Points Across peak:38

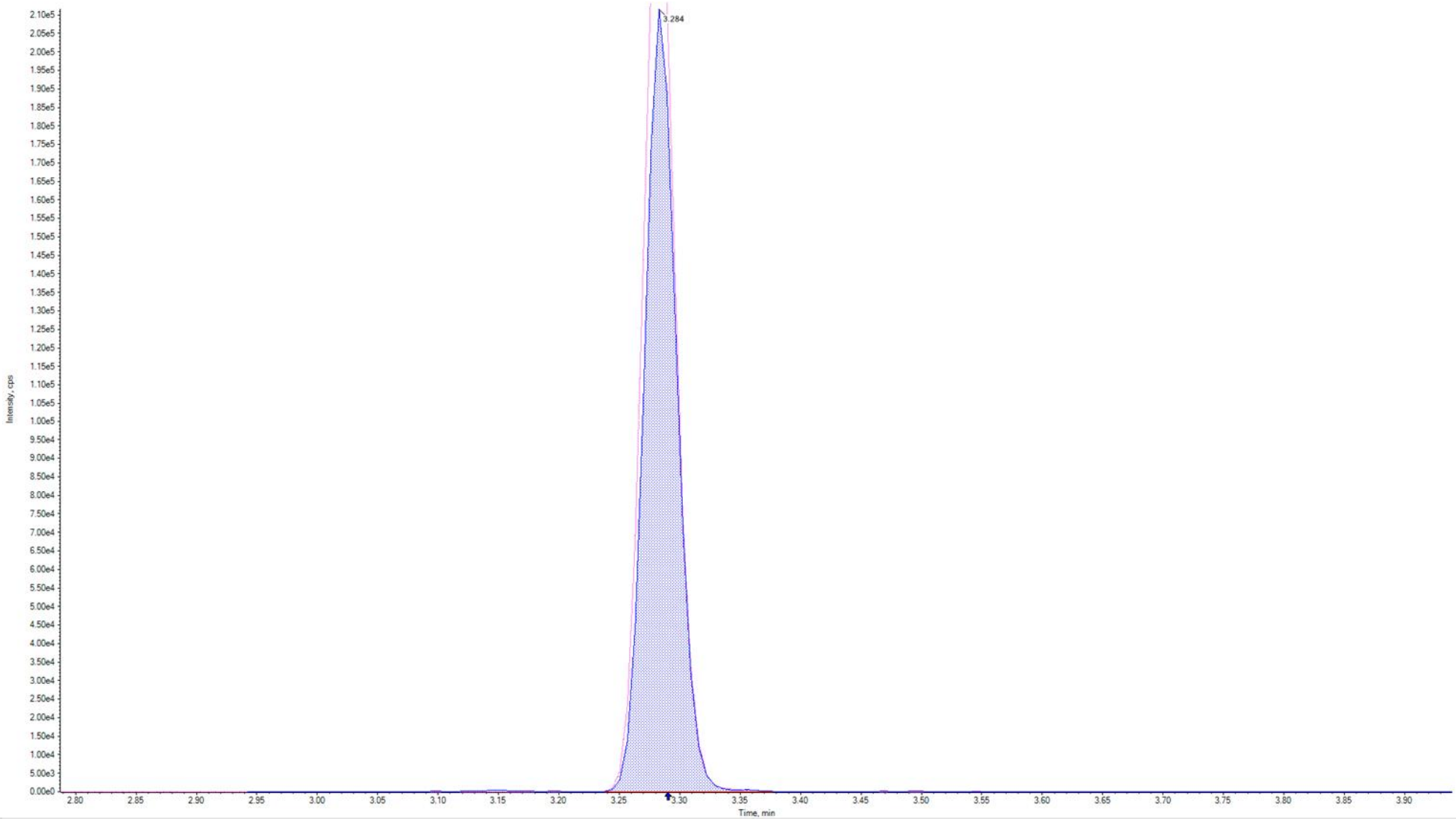


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_15.wiff2_8
Last Altered: 11/15/2024 3:43:17 PM
Generated: 11/15/2024 2:54:34 PM

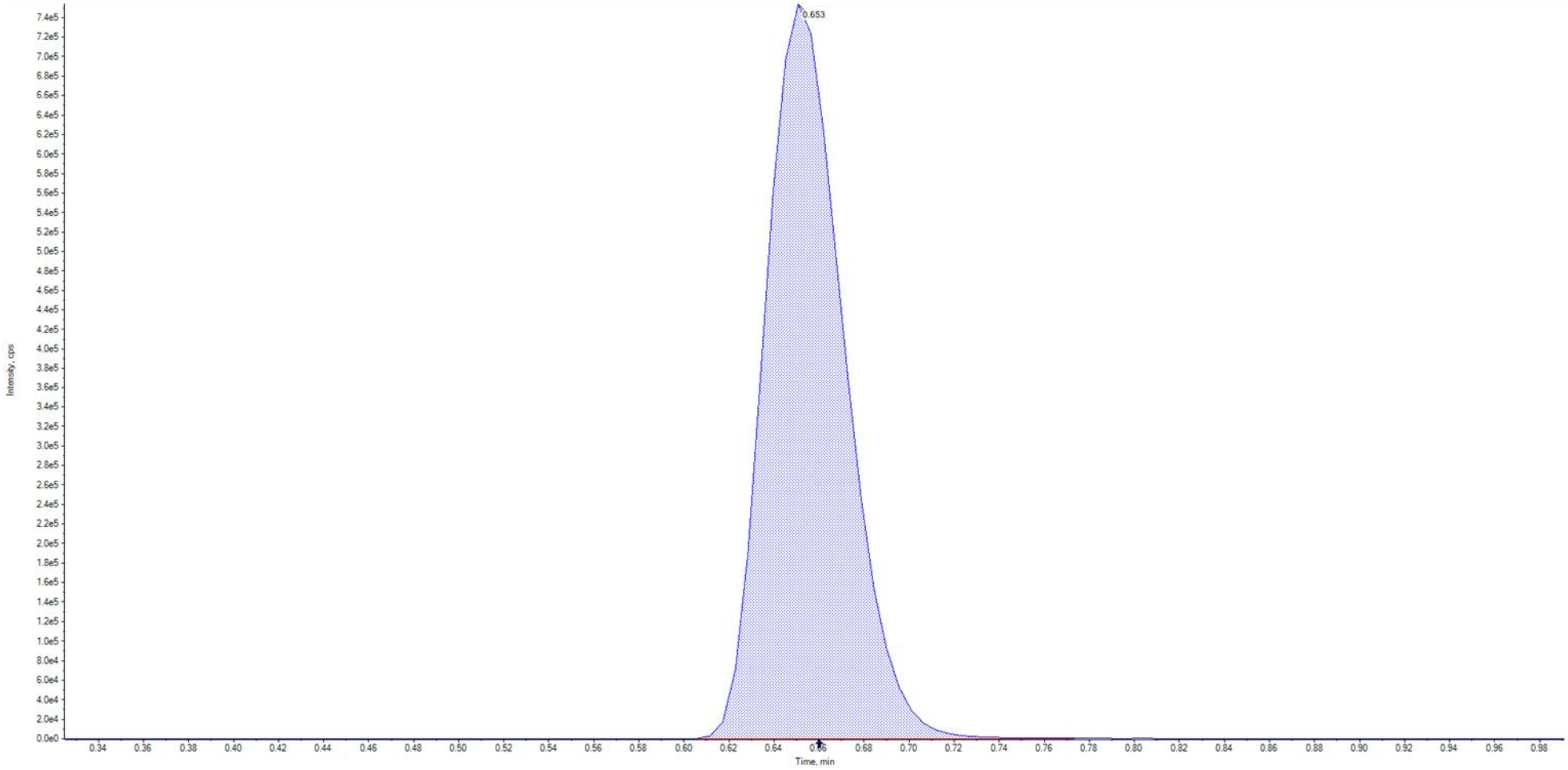
13C2D4-4:2FTS
Sample: IA1633STD-62.5 S/N:3158.5 Points Across peak:33



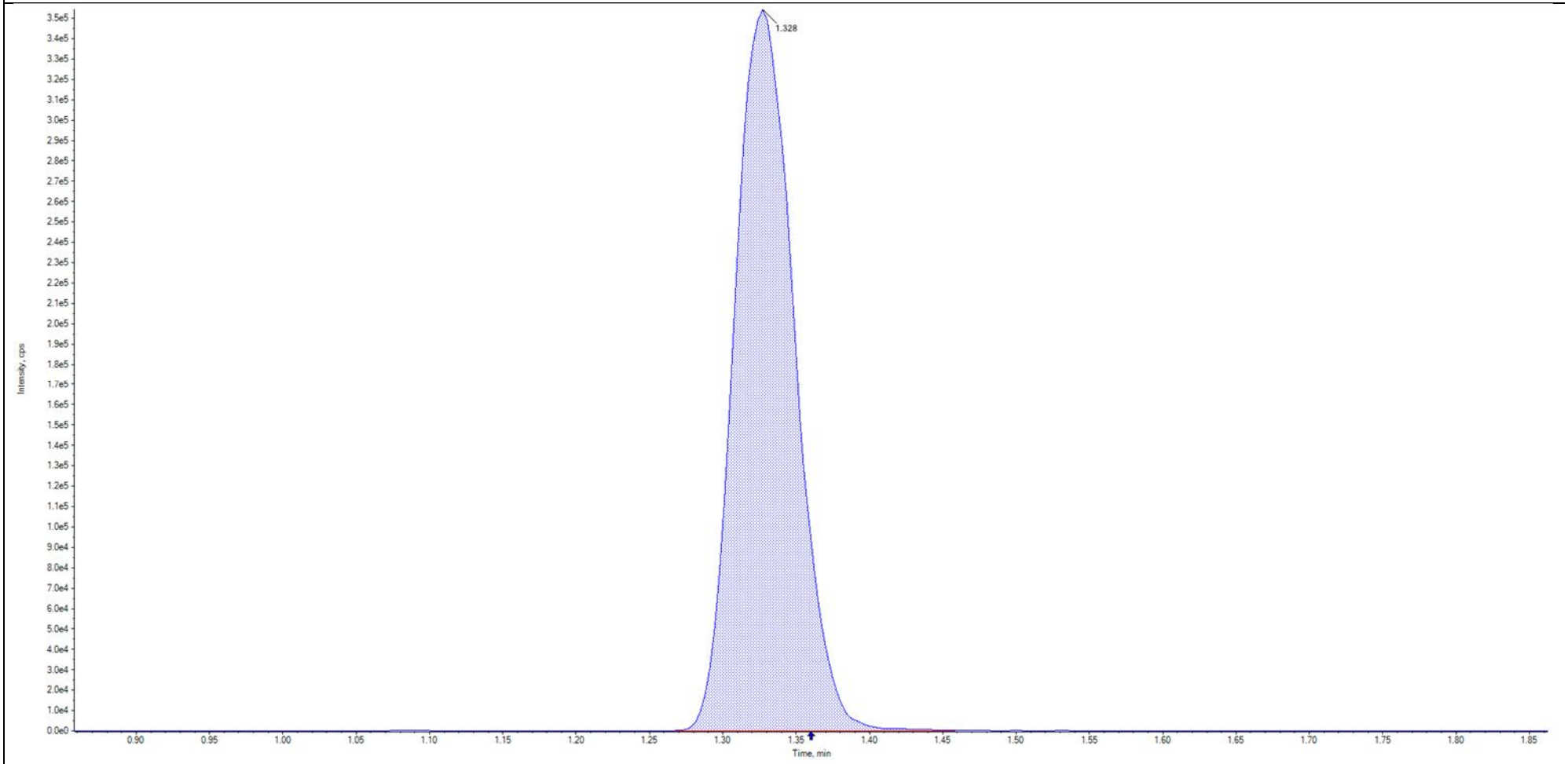
13C2-PFOA
Sample: IA1633STD-62.5 S/N:4168.5 Points Across peak:25



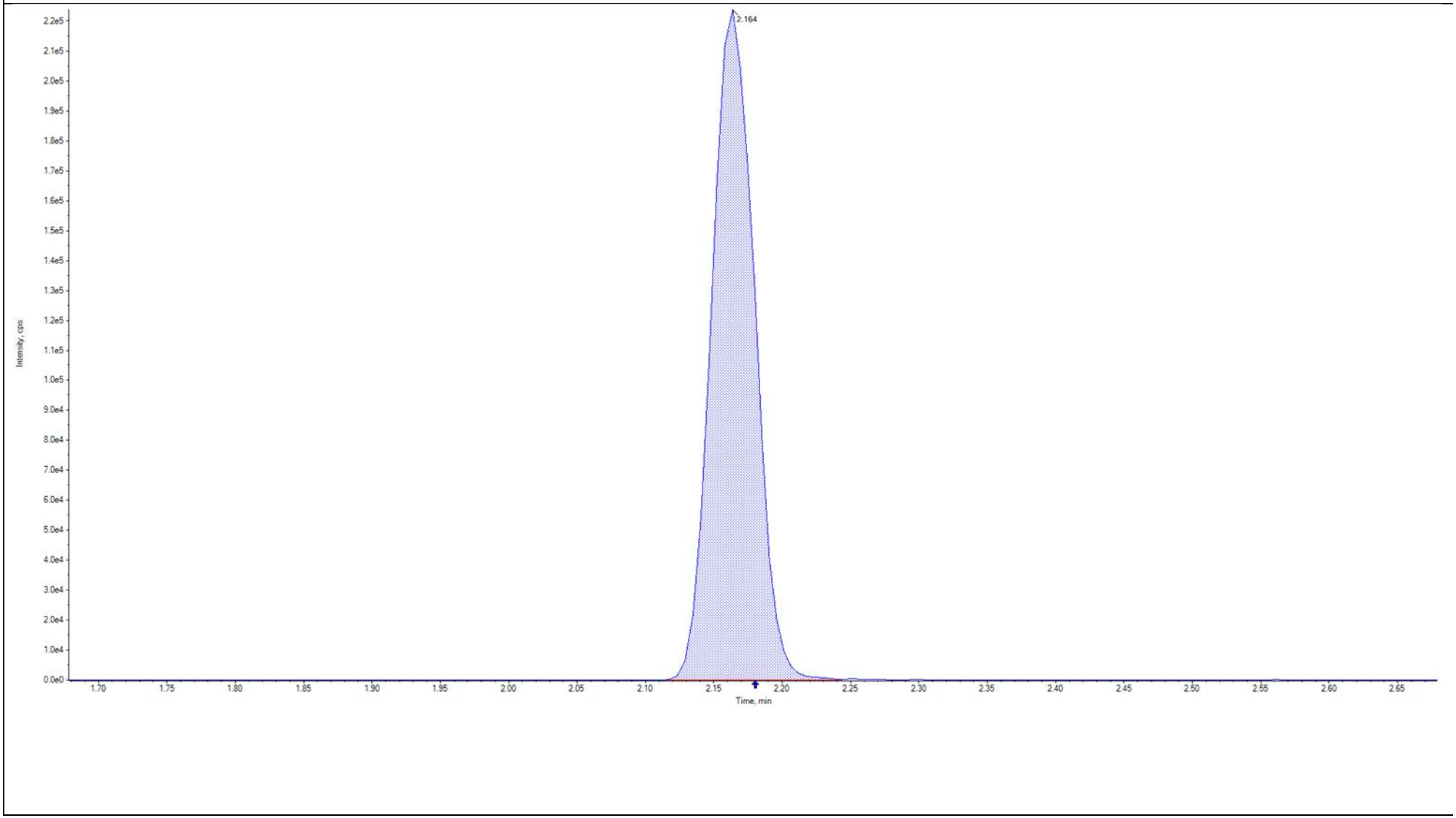
13C4-PFBA
Sample: IA1633STD-62.5



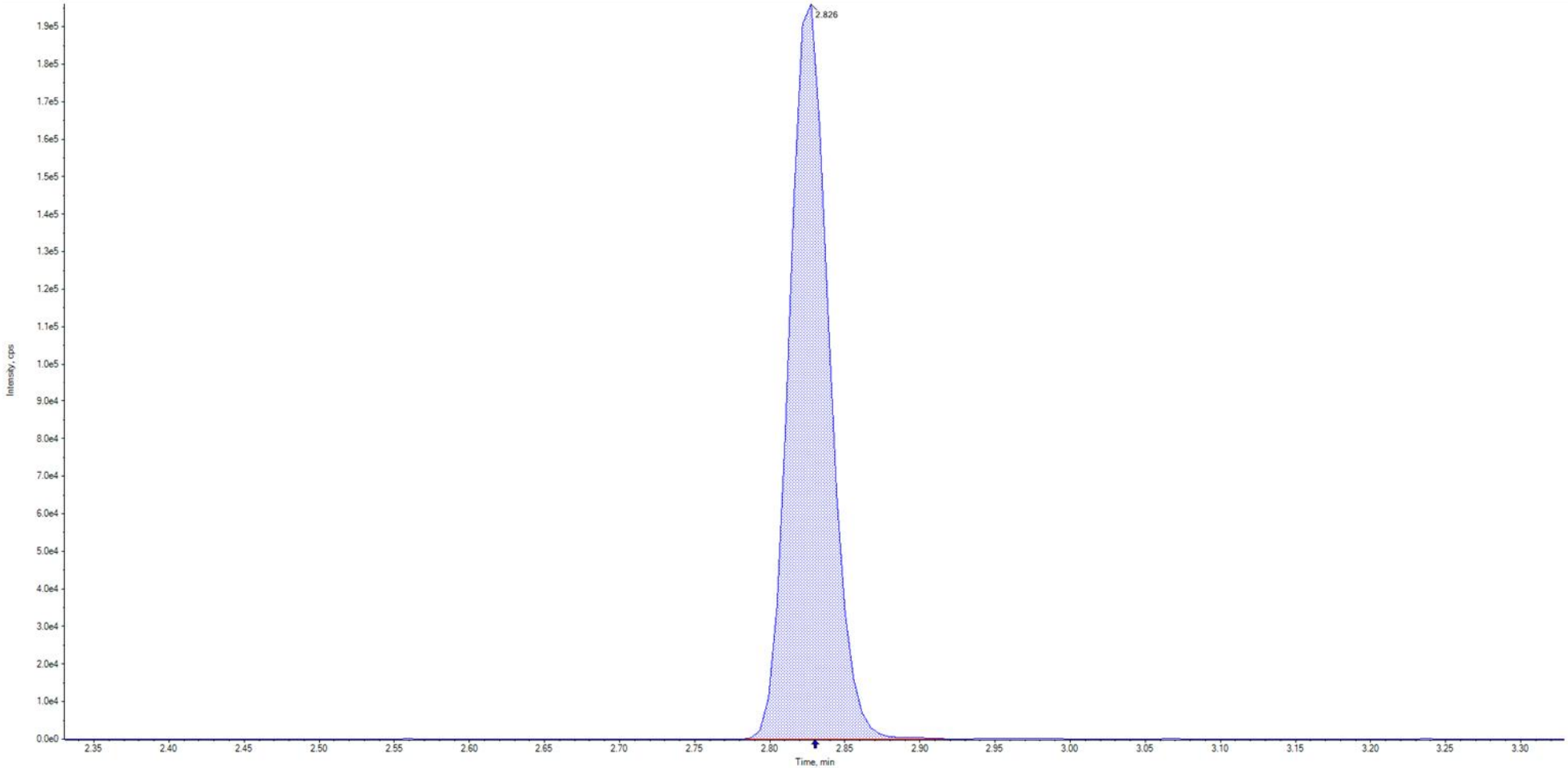
13C5-PFPeA
Sample: IA1633STD-62.5



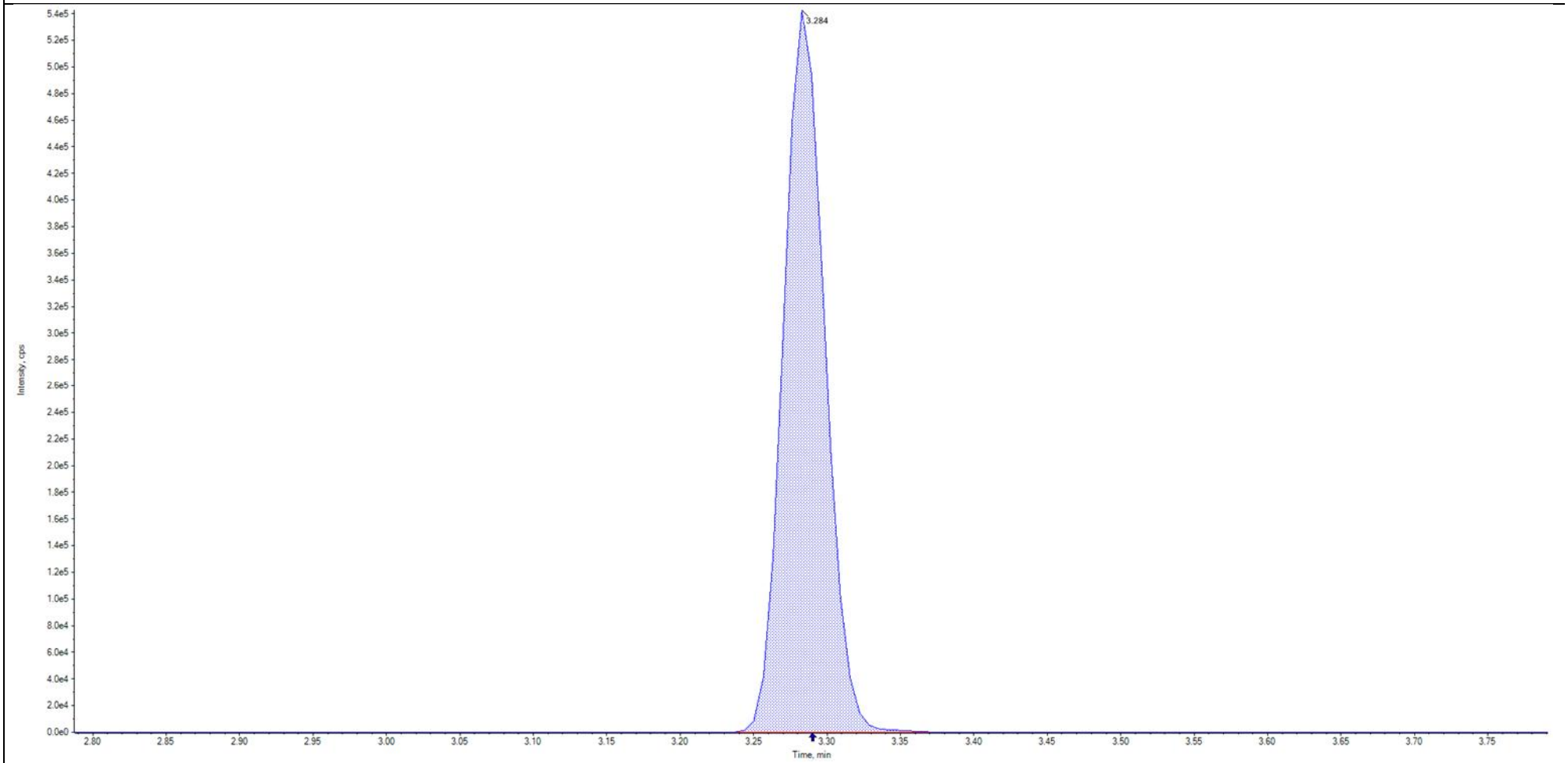
13C5-PFHxA
Sample: IA1633STD-62.5



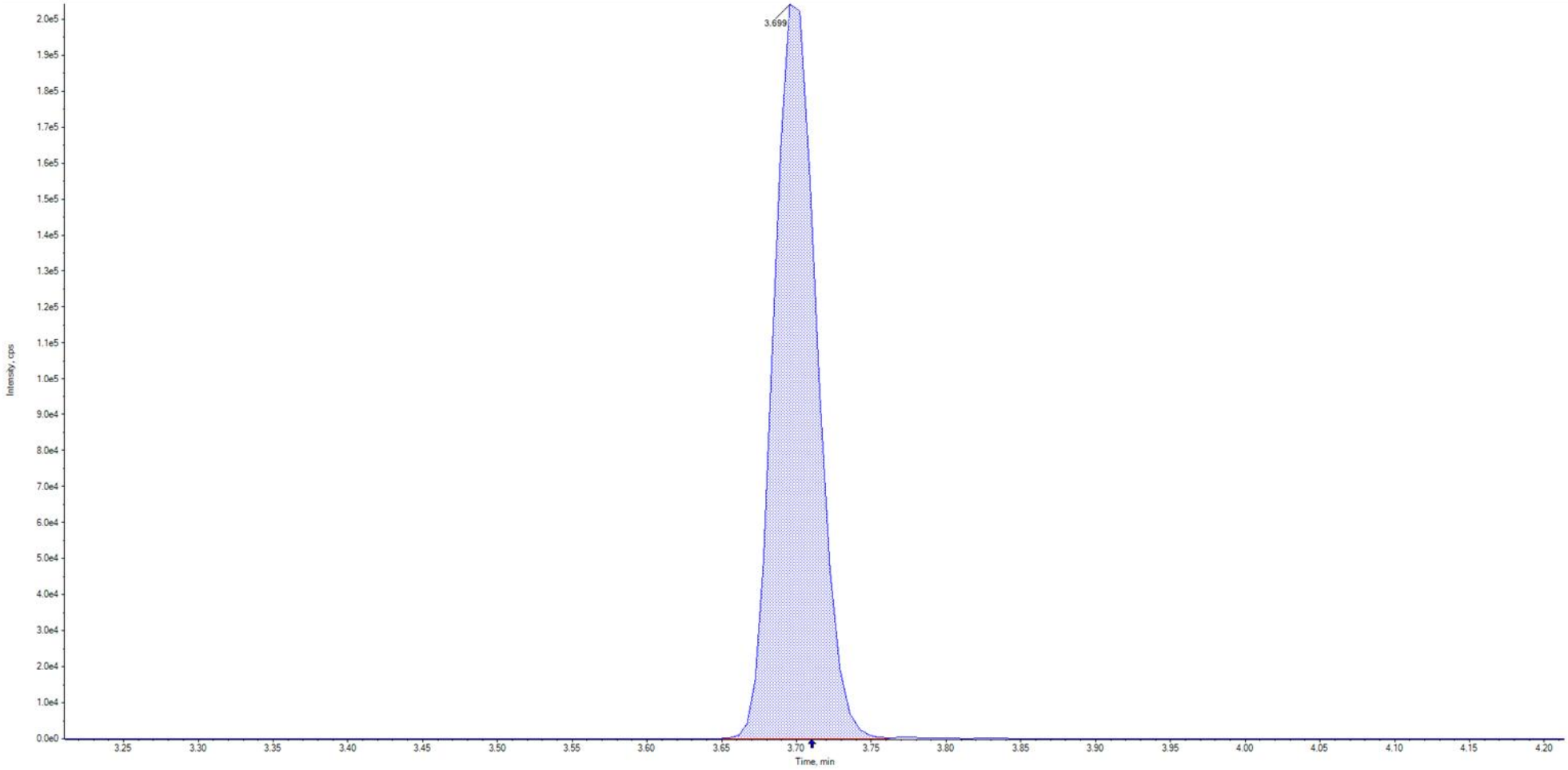
13C4-PFHpA
Sample: IA1633STD-62.5



13C8-PFOA
Sample: IA1633STD-62.5



13C9-PFNA
Sample: IA1633STD-62.5



13C6-PFDA
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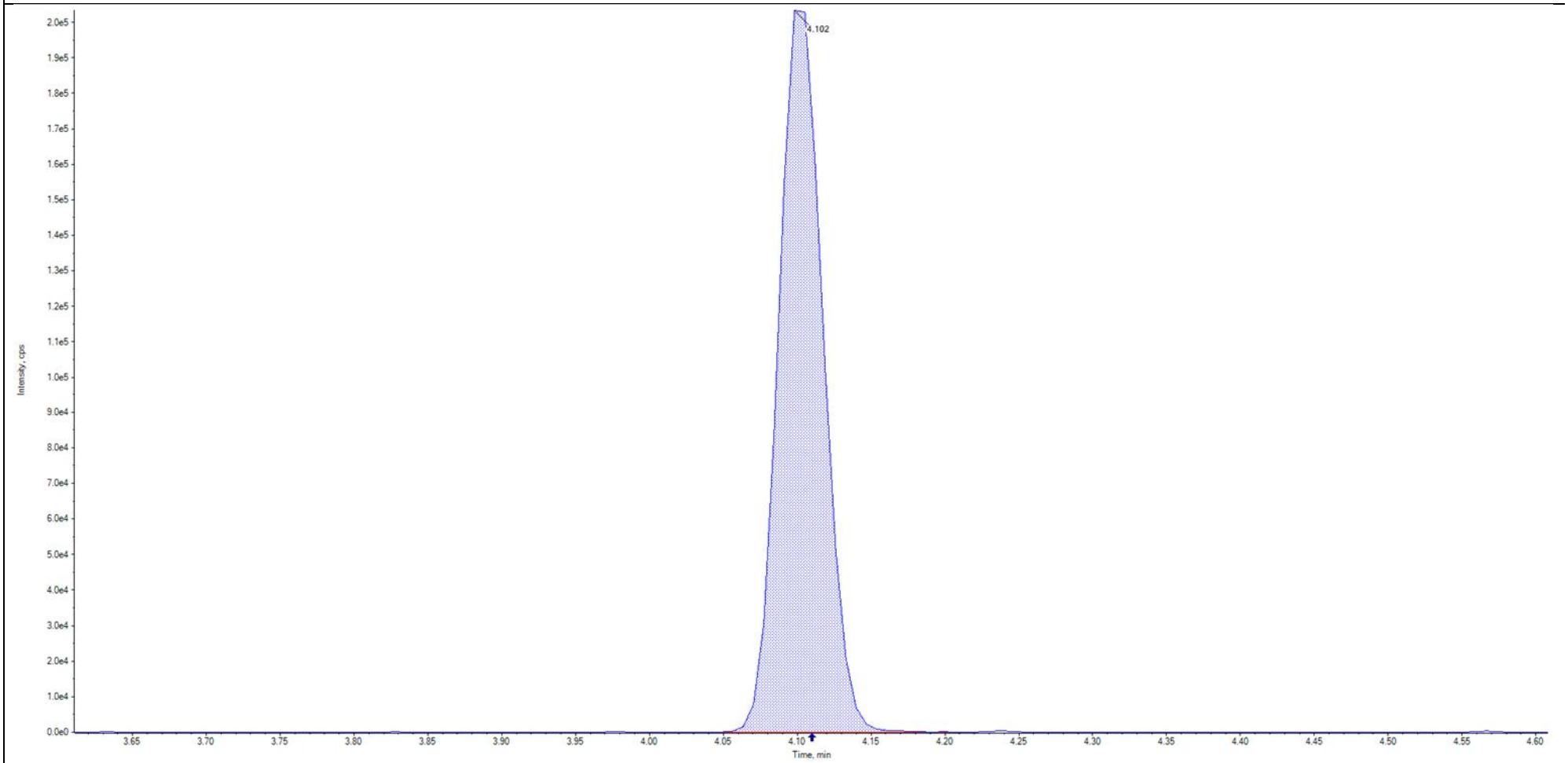

13C7-PFUnA
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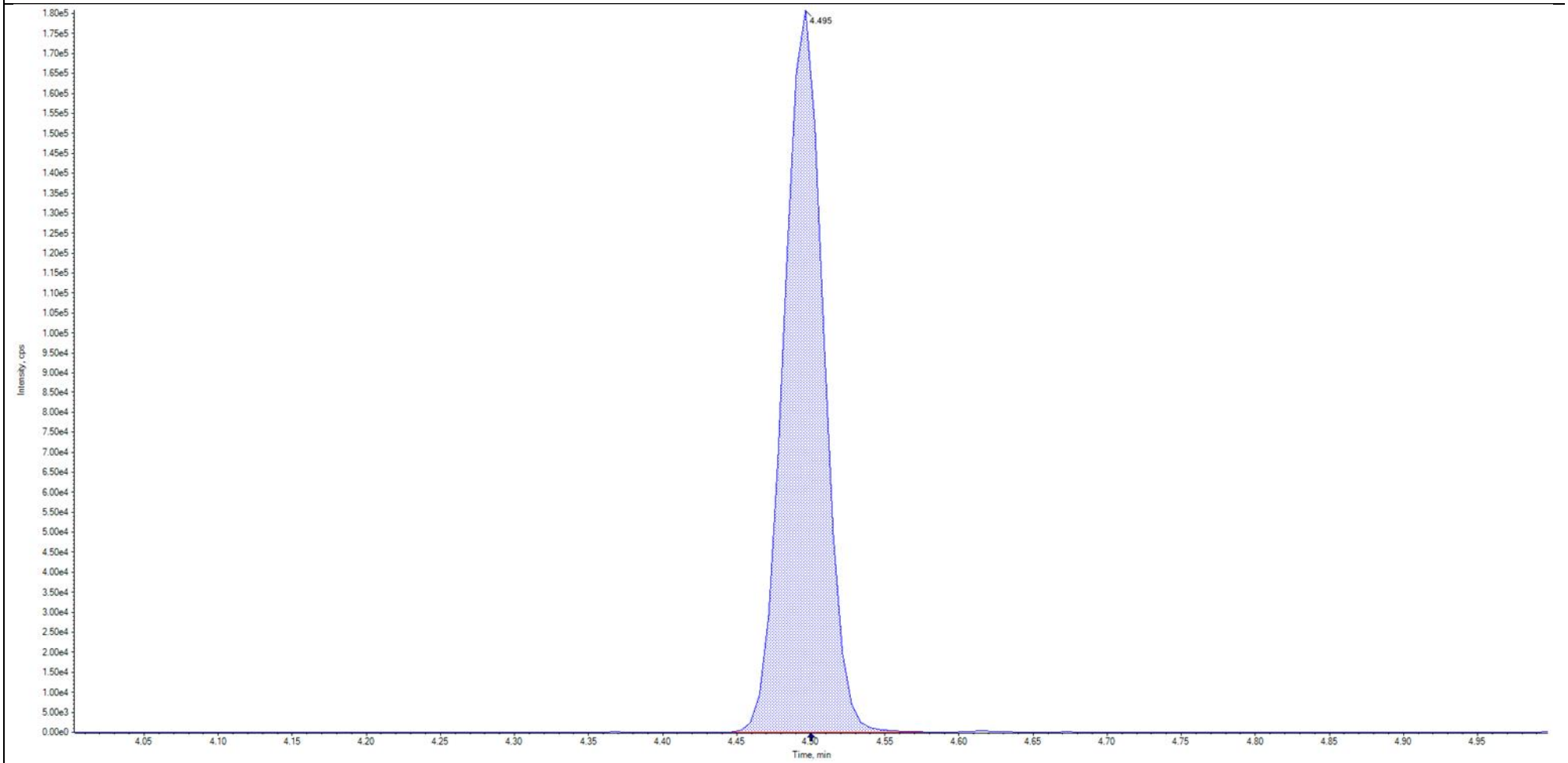
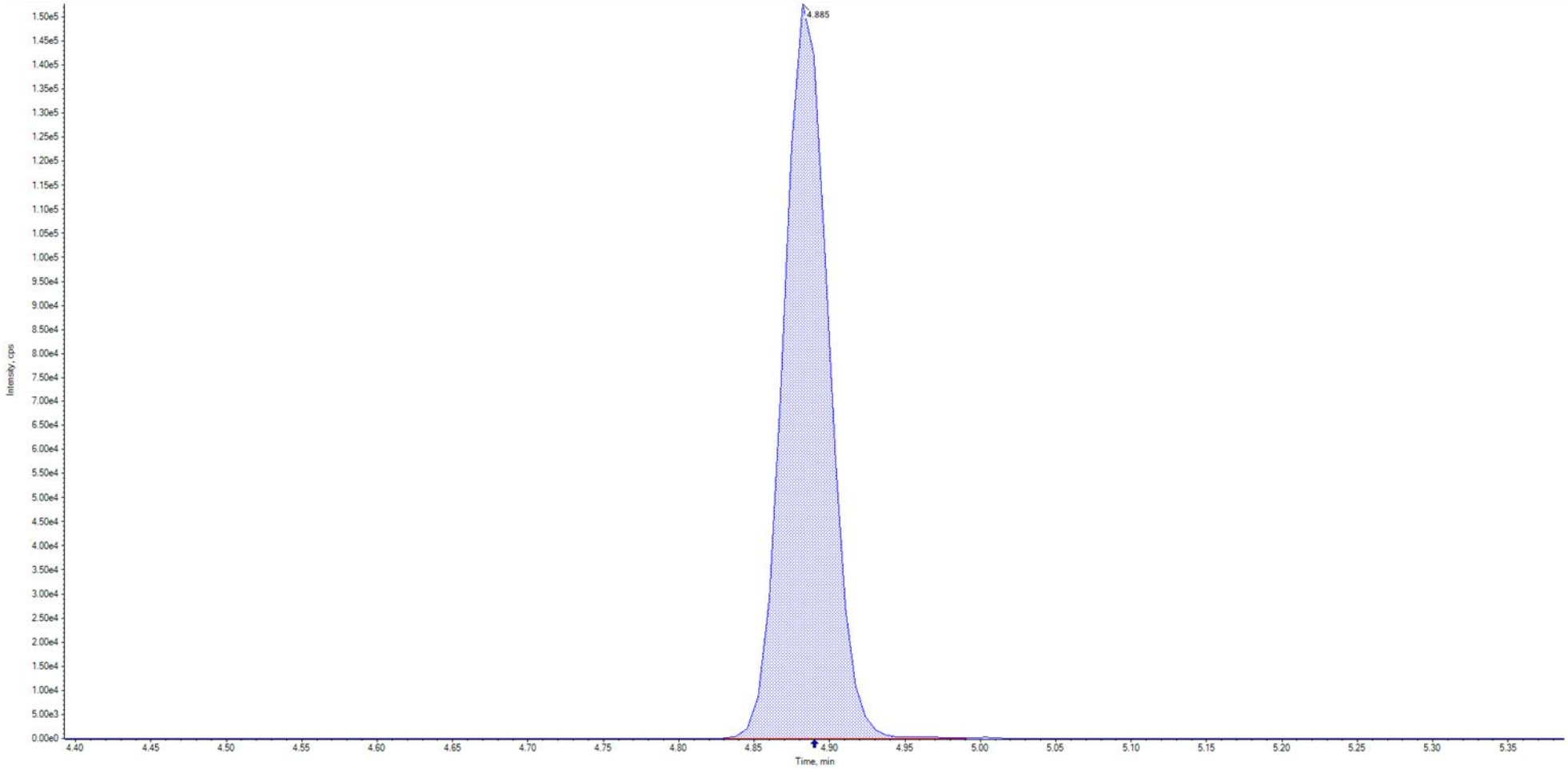
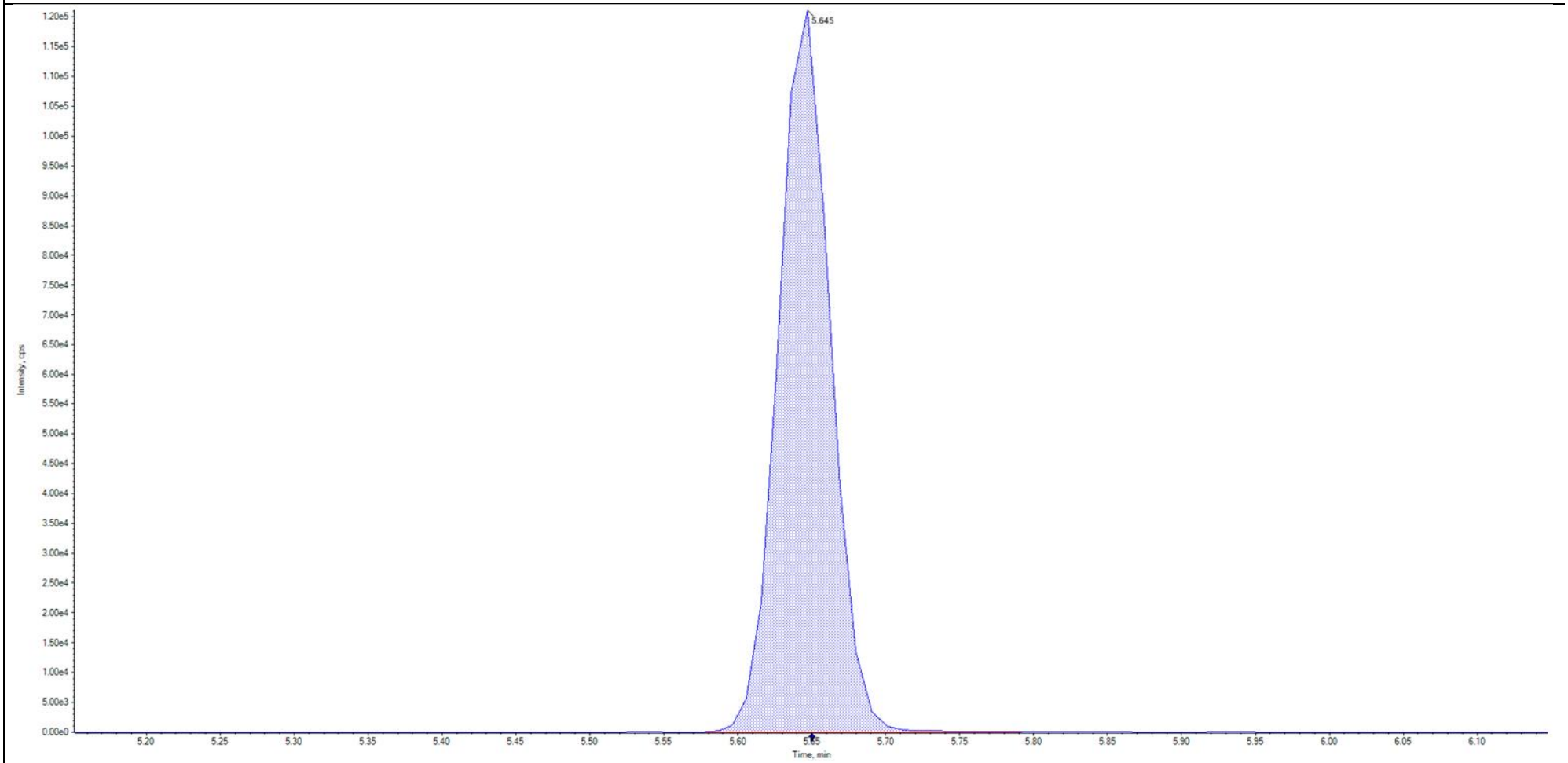


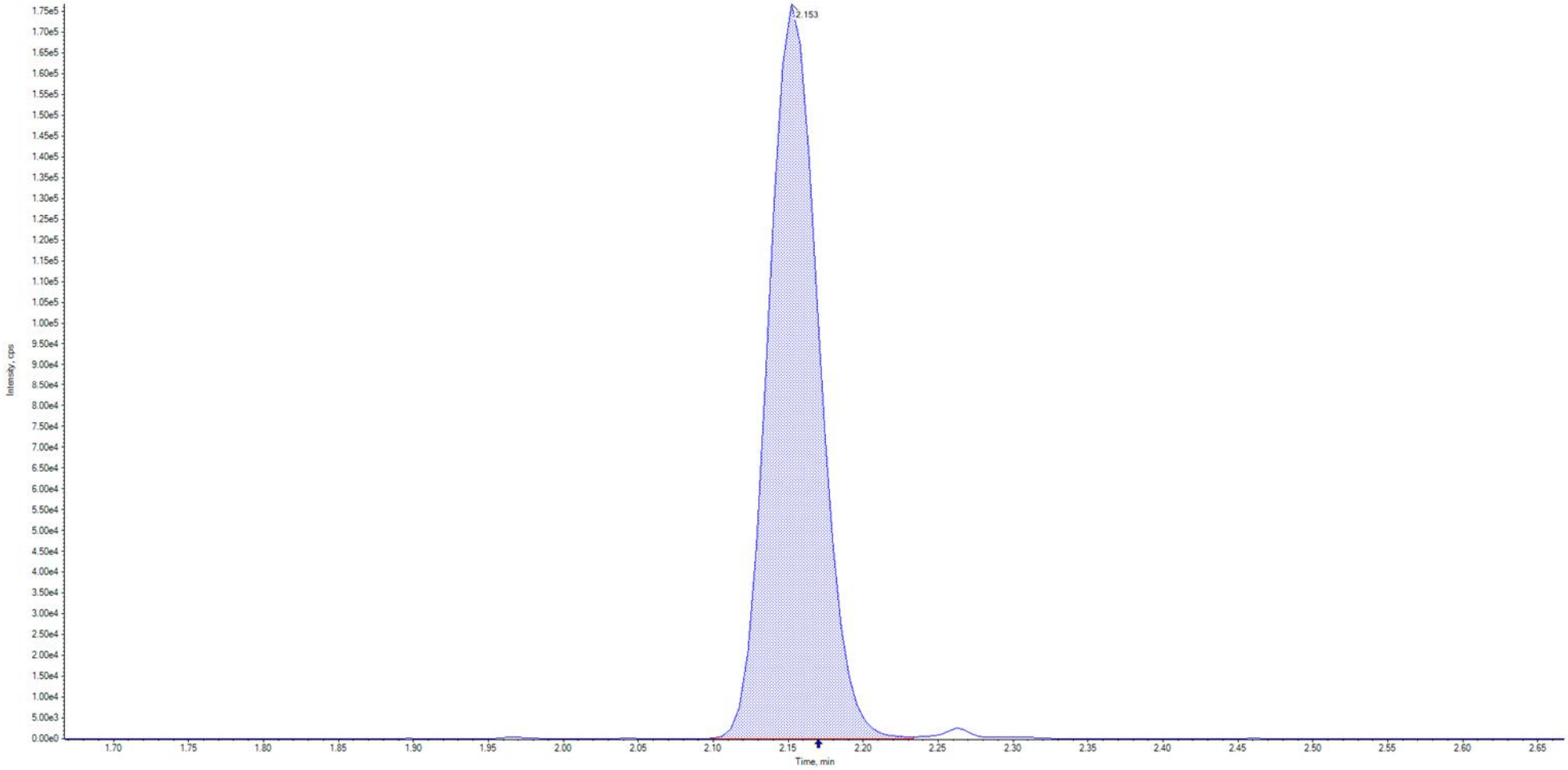
13C2-PFDoA
Sample: IA1633STD-62.5



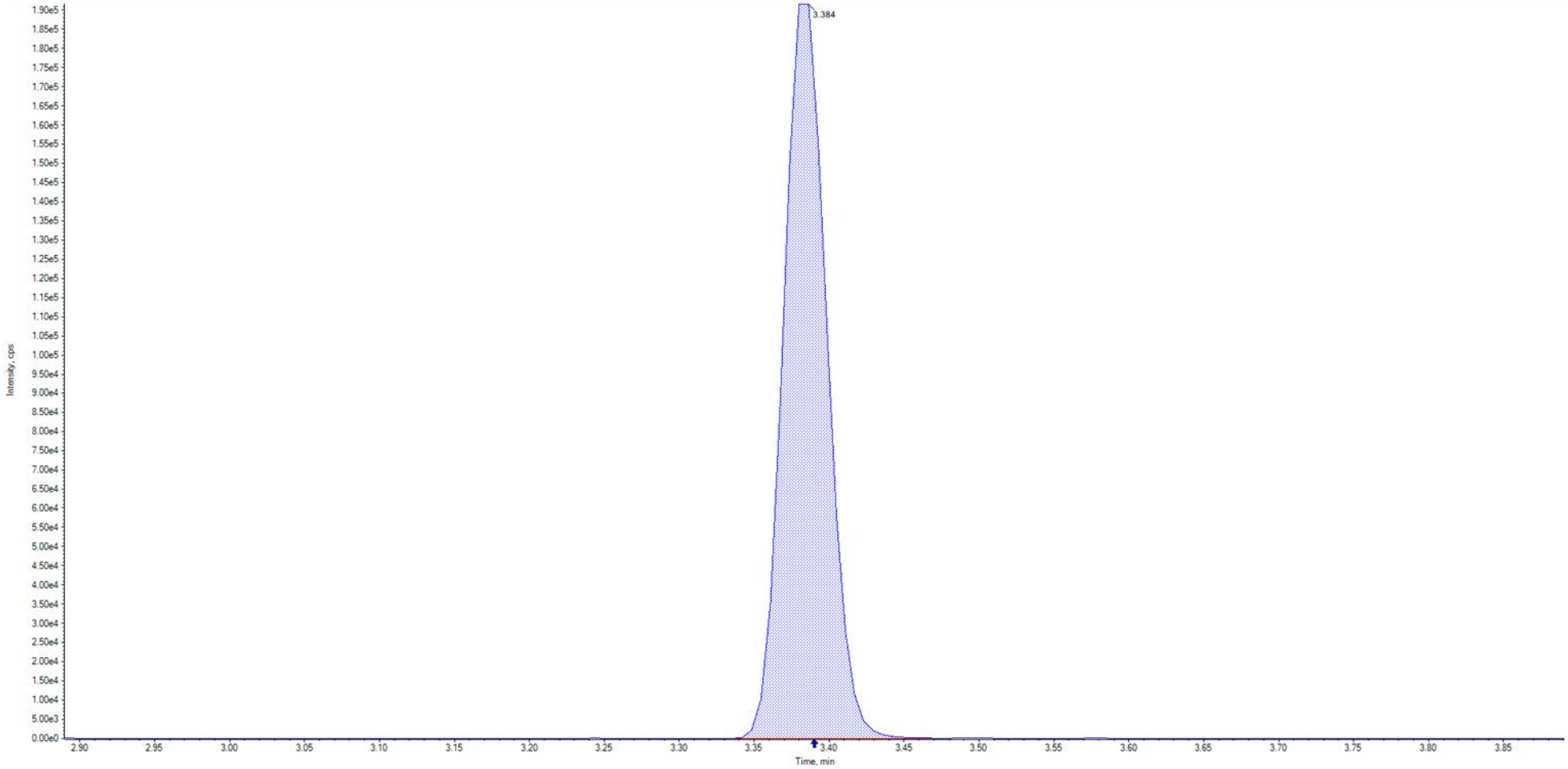
13C2-PFTeDA
Sample: IA1633STD-62.5



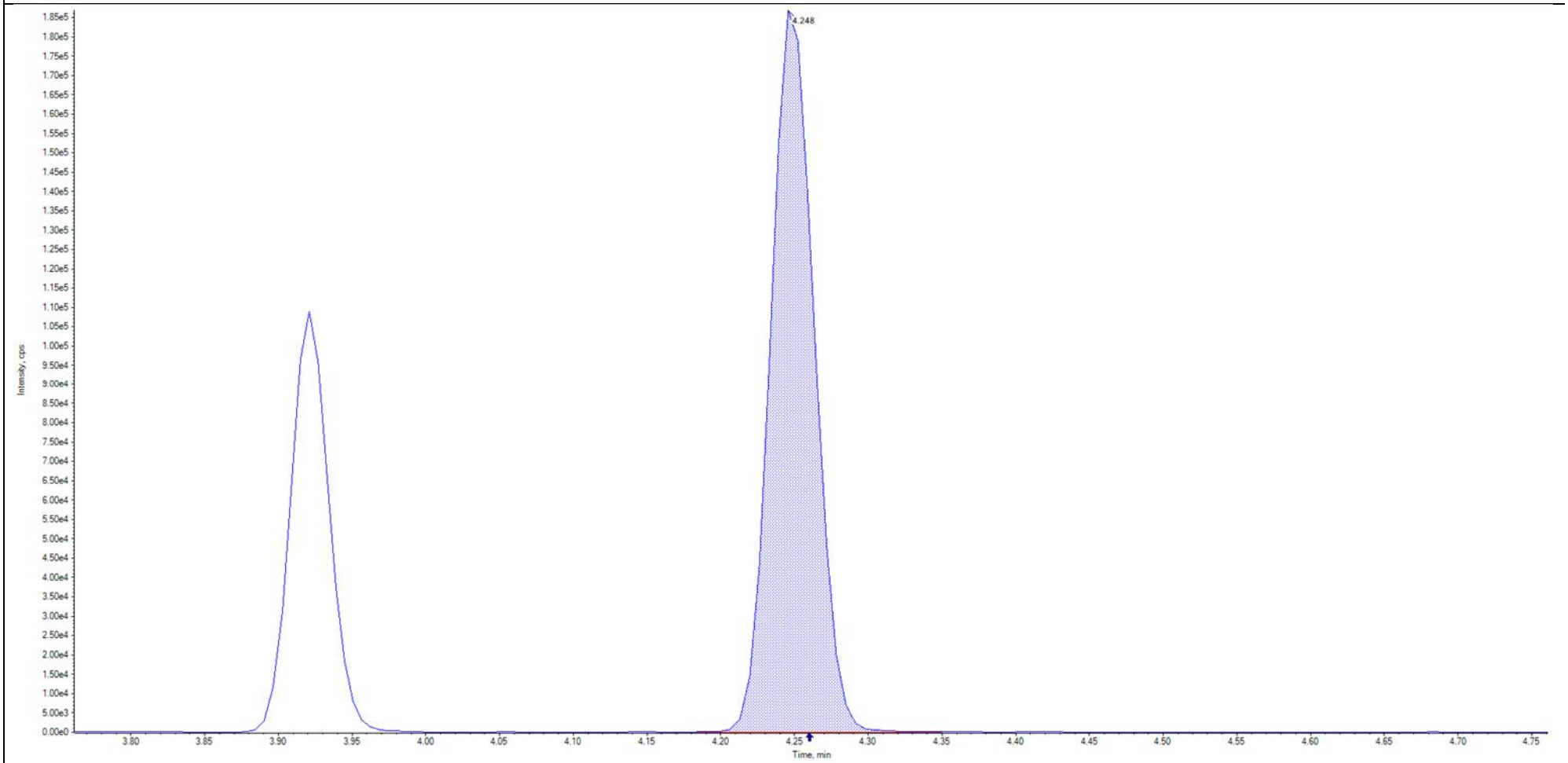
13C3-PFBS
Sample: IA1633STD-62.5



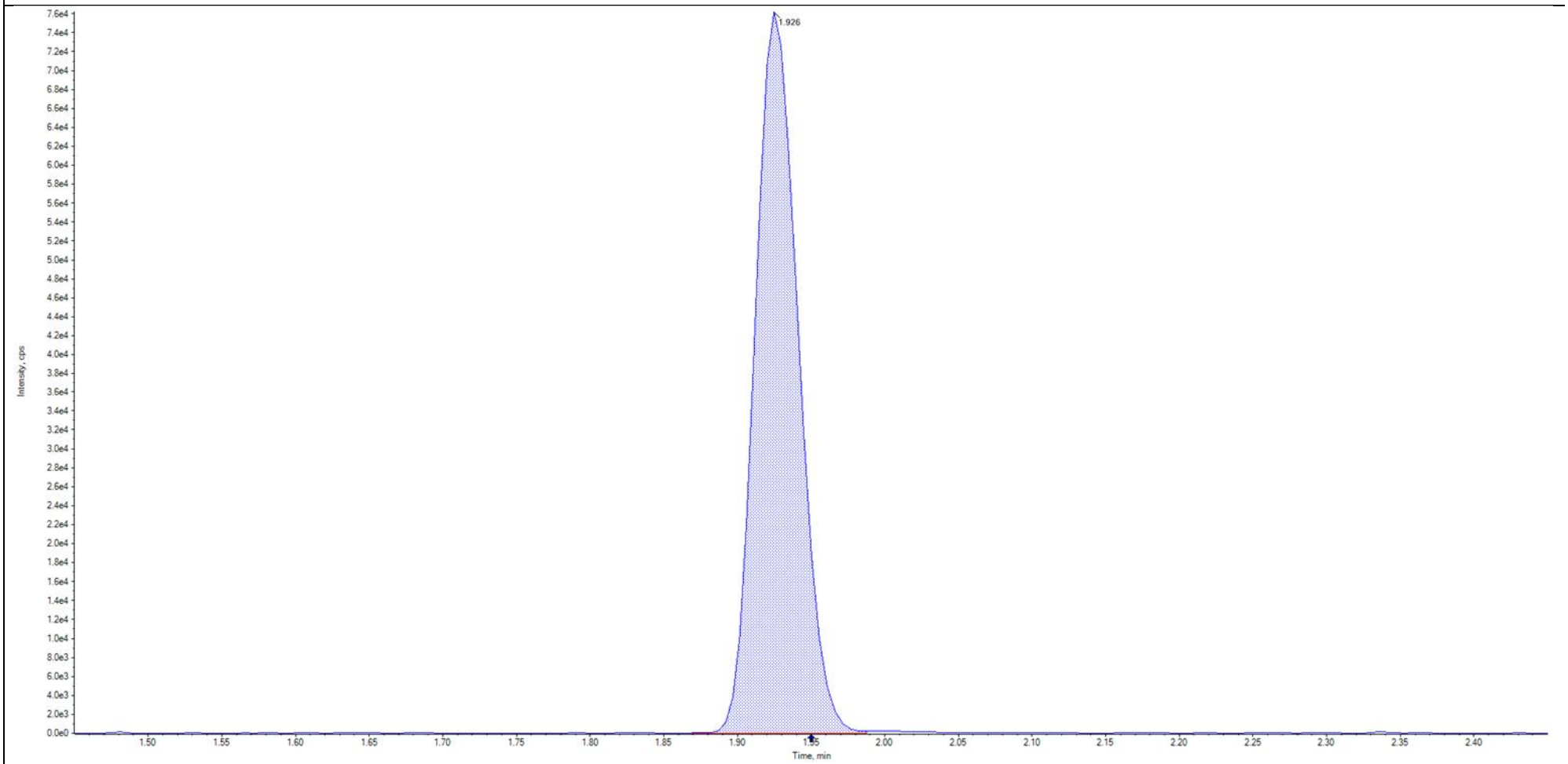
13C3-PFHxS
Sample: IA1633STD-62.5



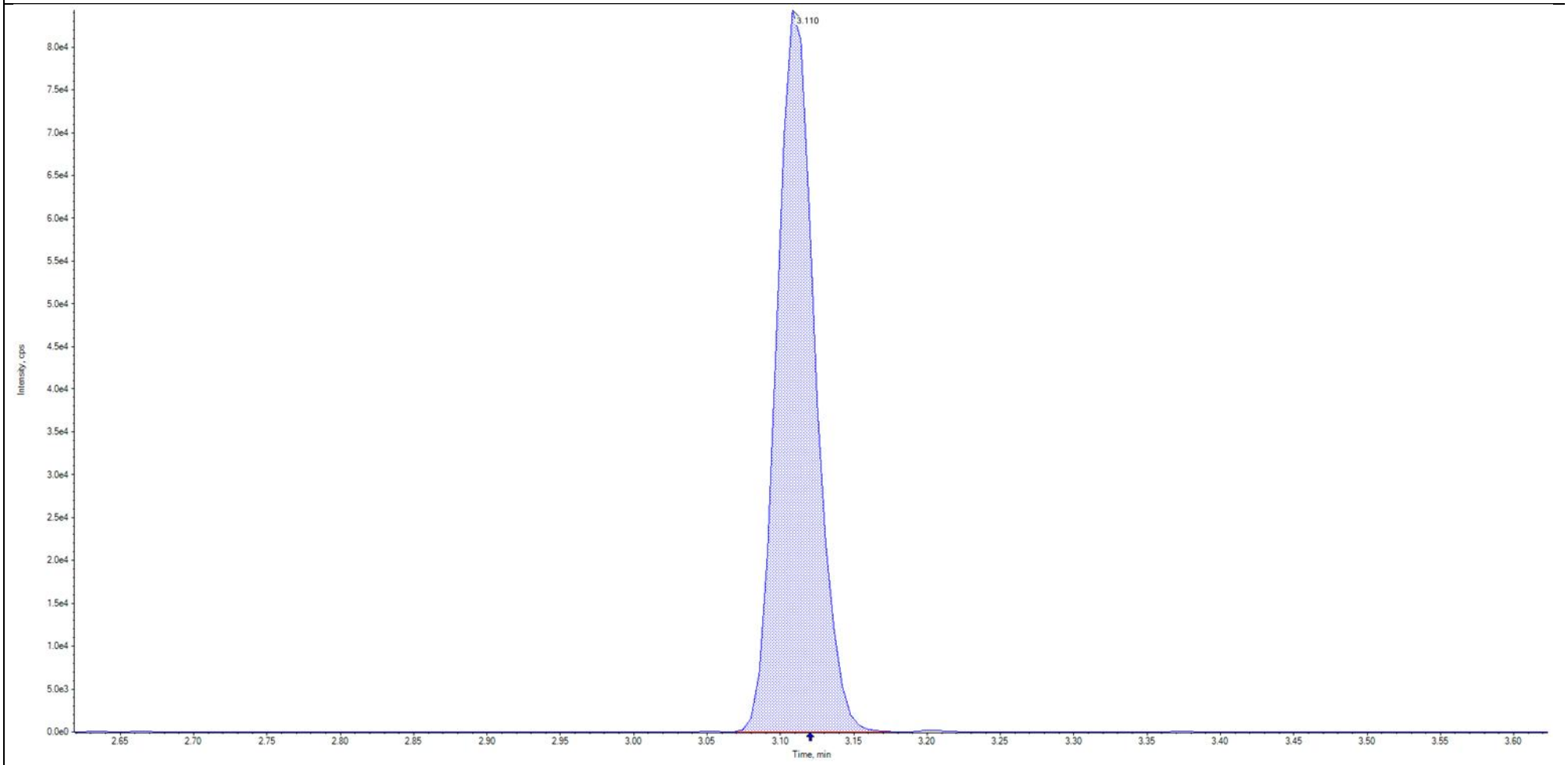
13C8-PFOS
Sample: IA1633STD-62.5



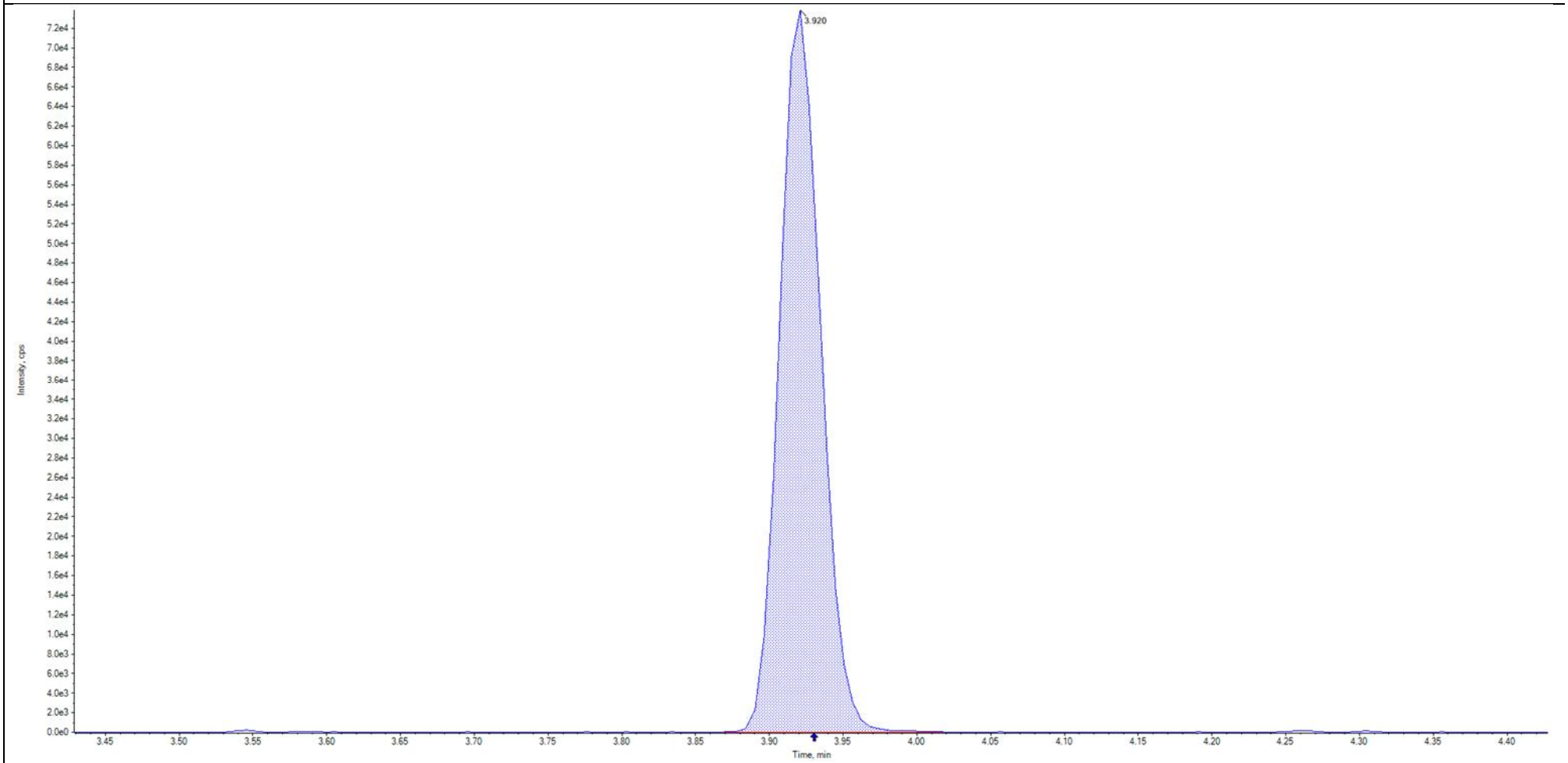
13C2-4:2FTS
Sample: IA1633STD-62.5



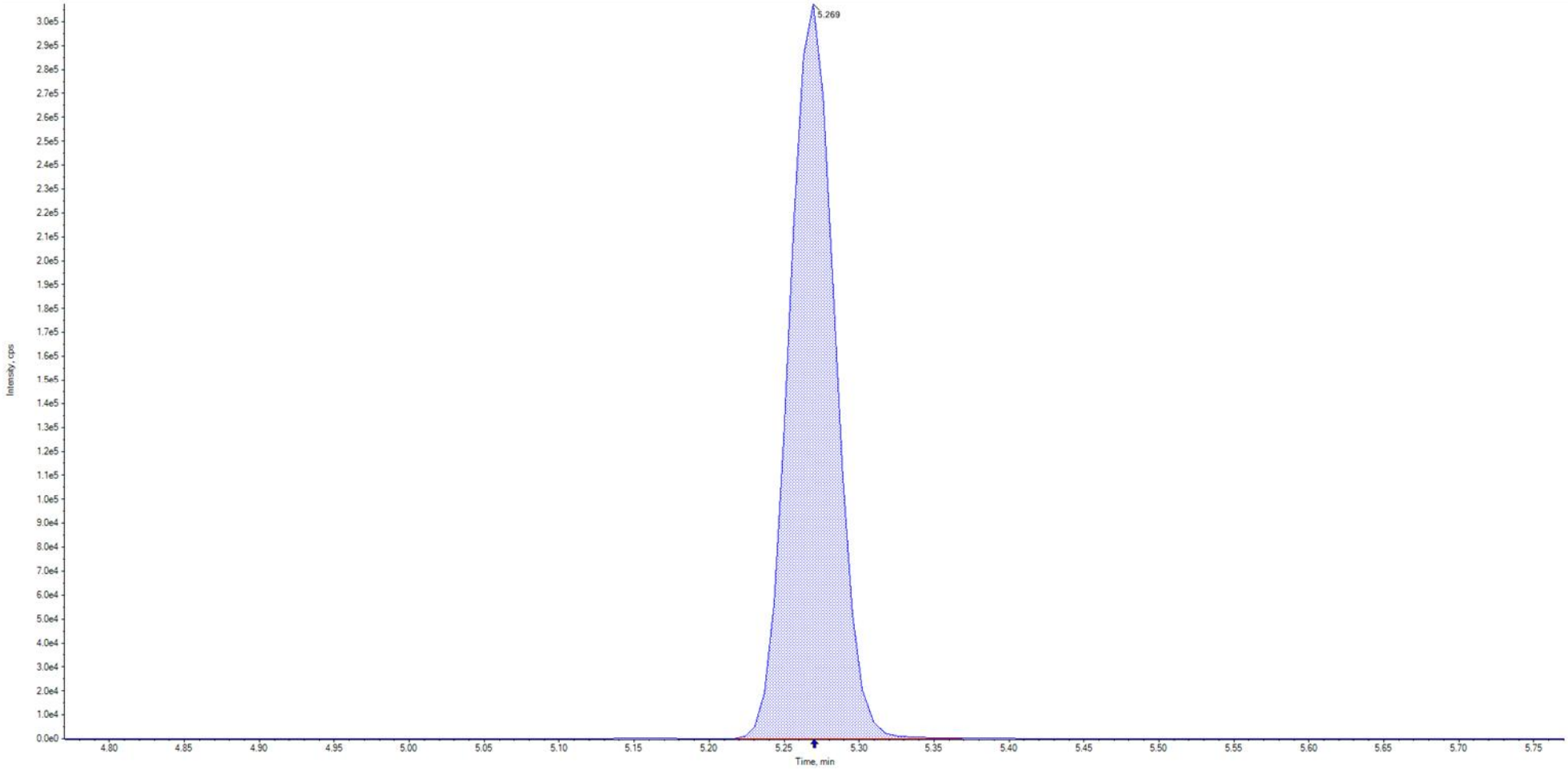
13C2-6:2FTS
Sample: IA1633STD-62.5



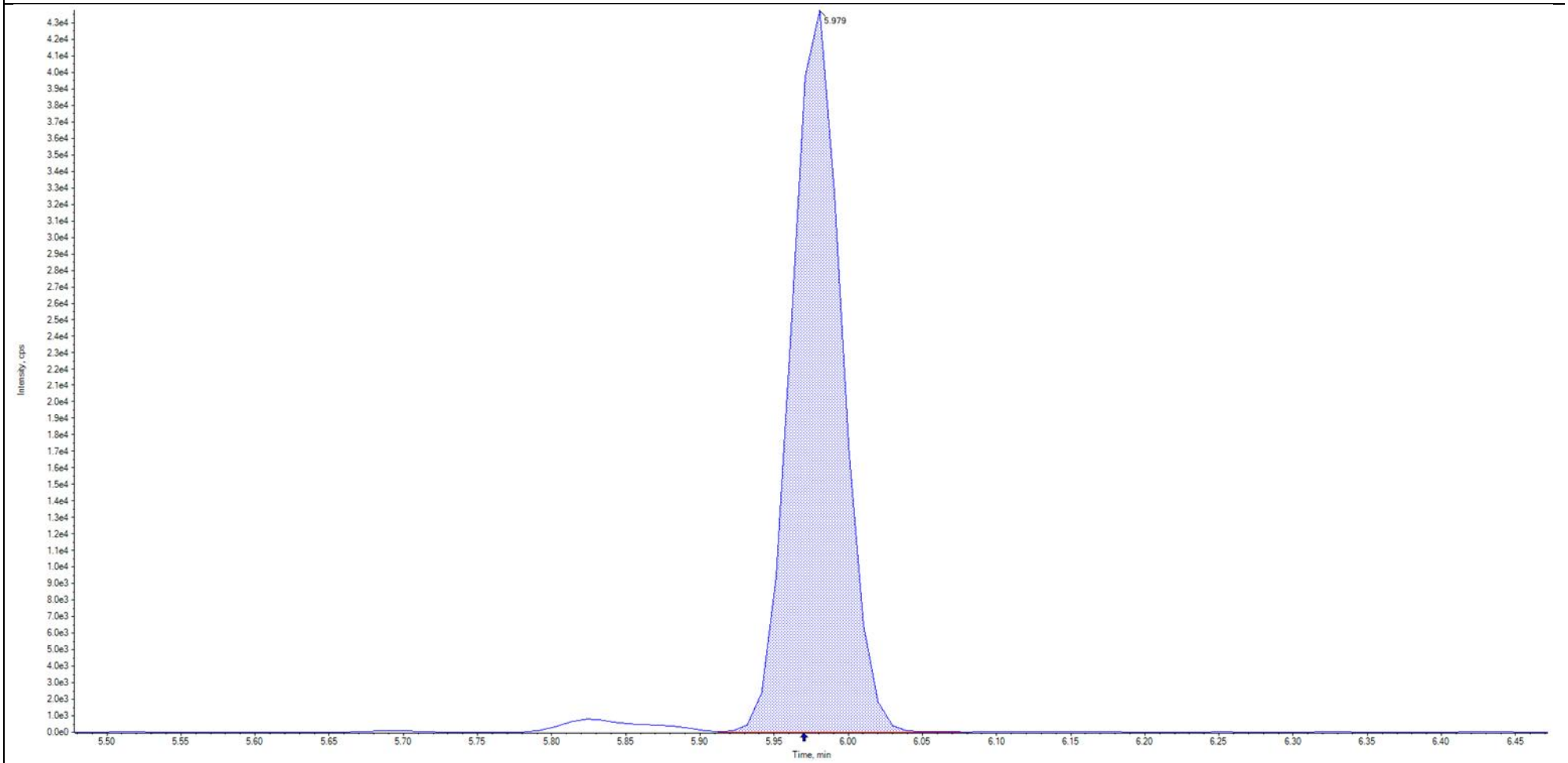
13C2-8:2FTS
Sample: IA1633STD-62.5



13C8-PFOSA
Sample: IA1633STD-62.5



d3-NMeFOSA
Sample: IA1633STD-62.5



d5-NEtFOSA
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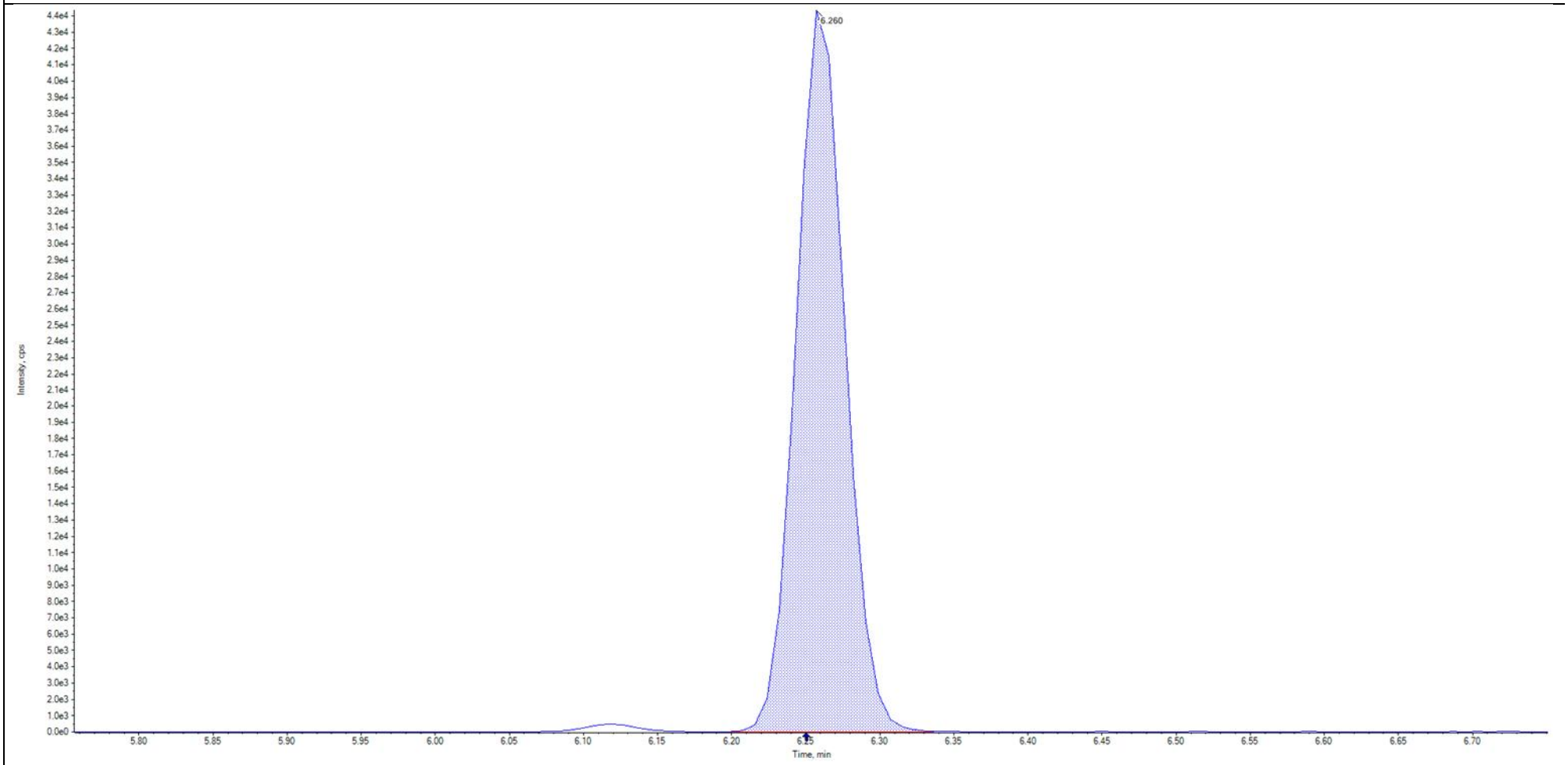
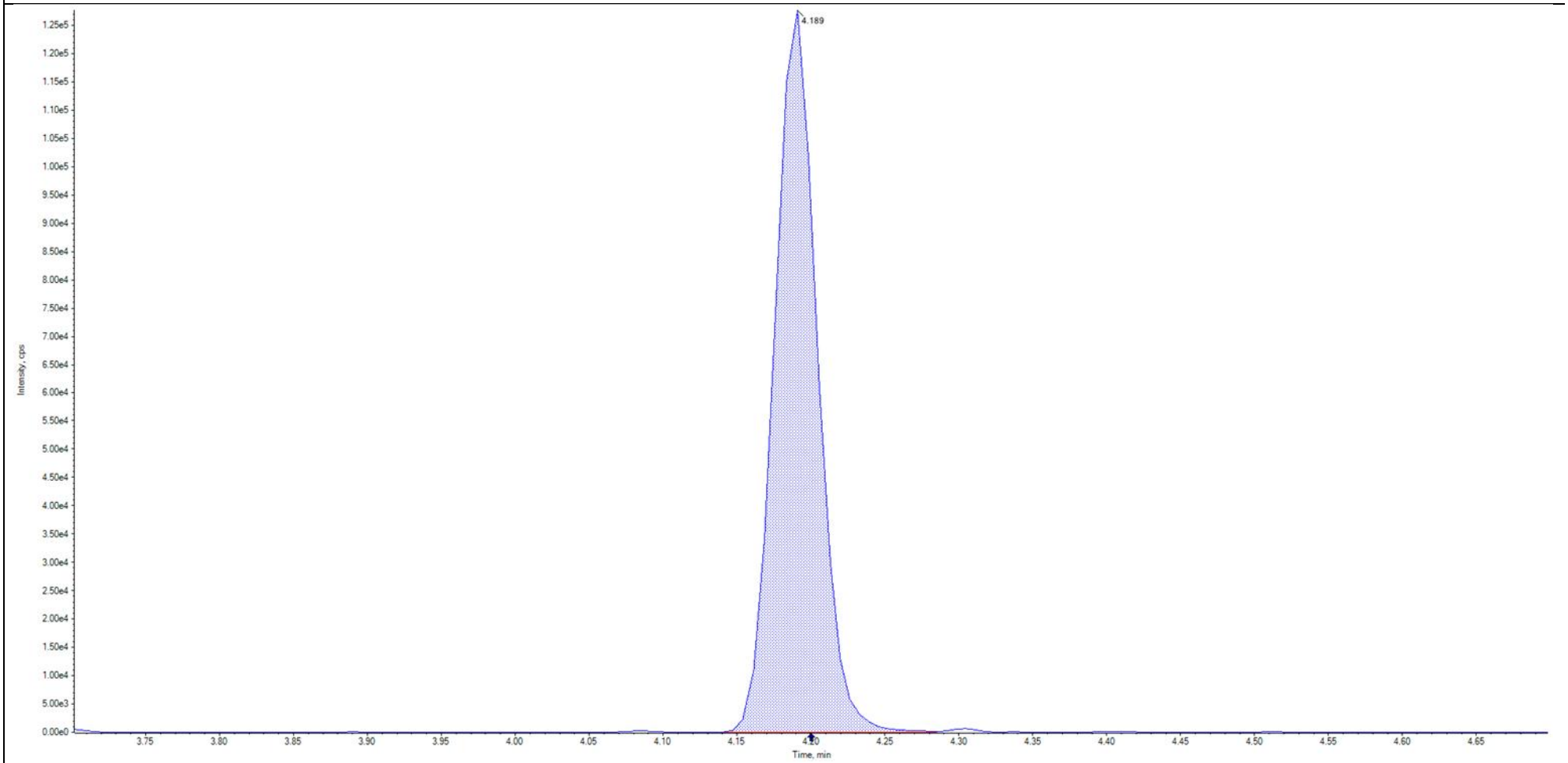
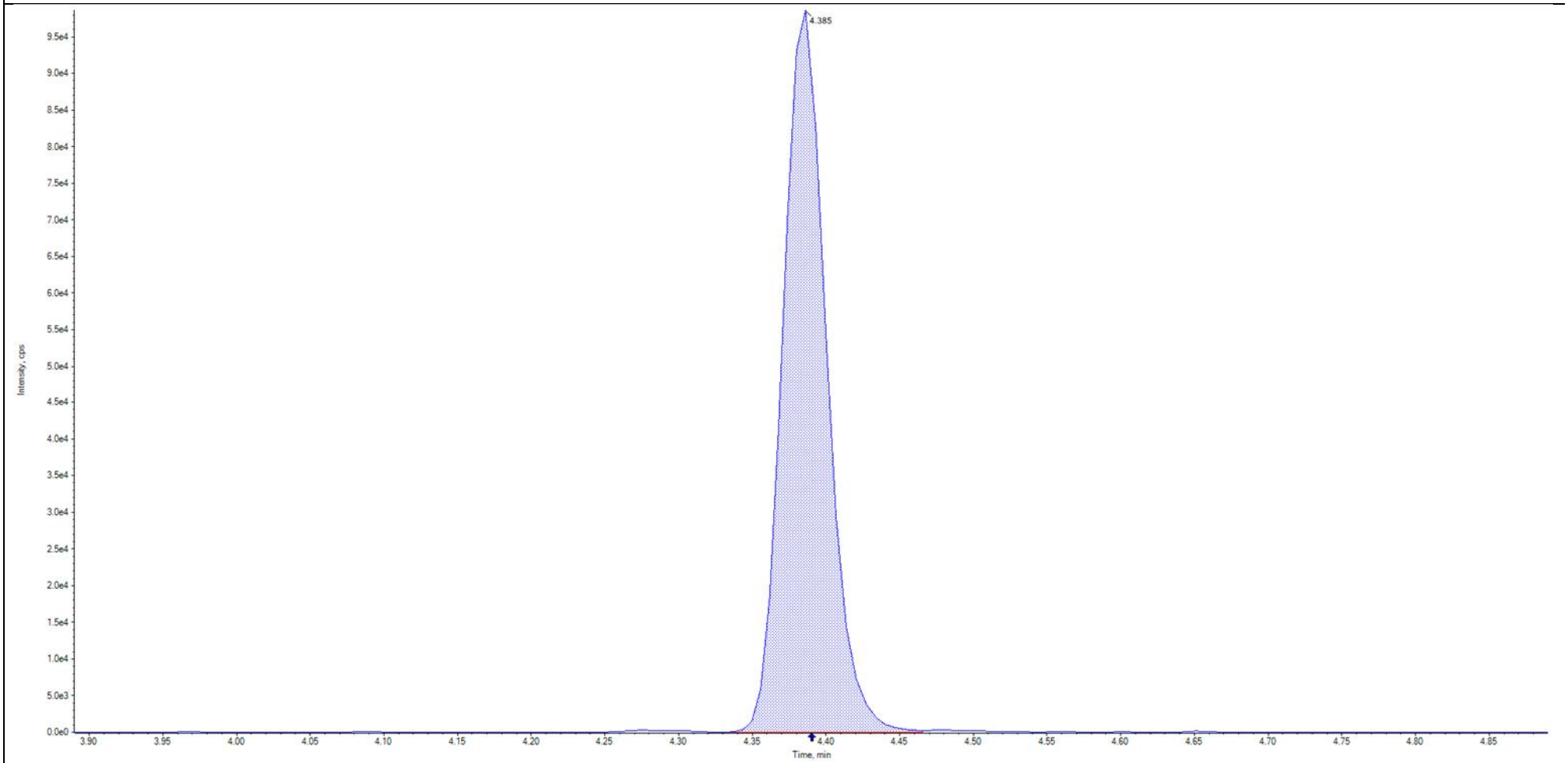


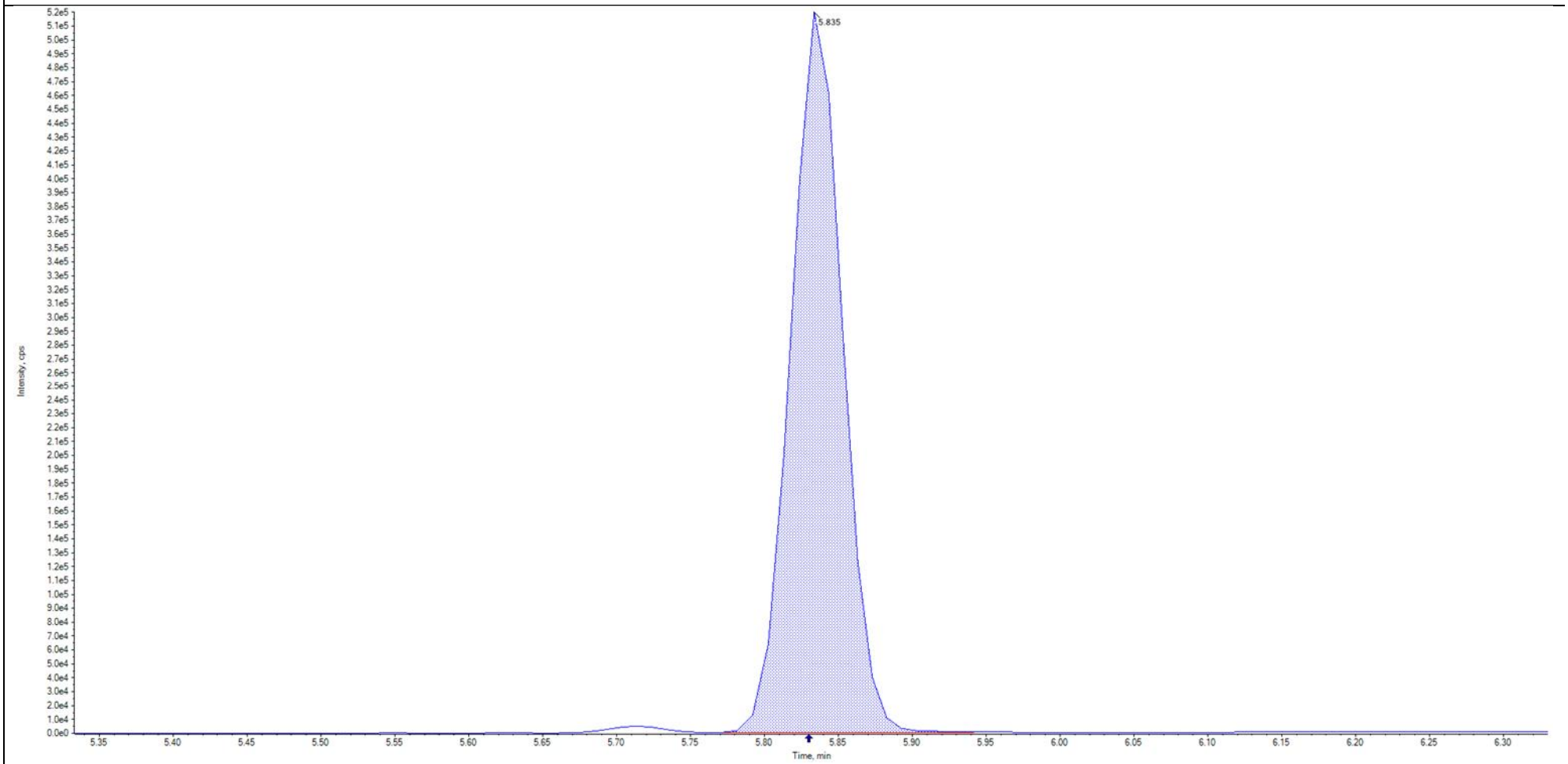
d3-NMeFOSAA
Sample: IA1633STD-62.5



d5-NEtFOSAA
Sample: IA1633STD-62.5



d7-NMeFOSE
Sample: IA1633STD-62.5



d9-NEtFOSE
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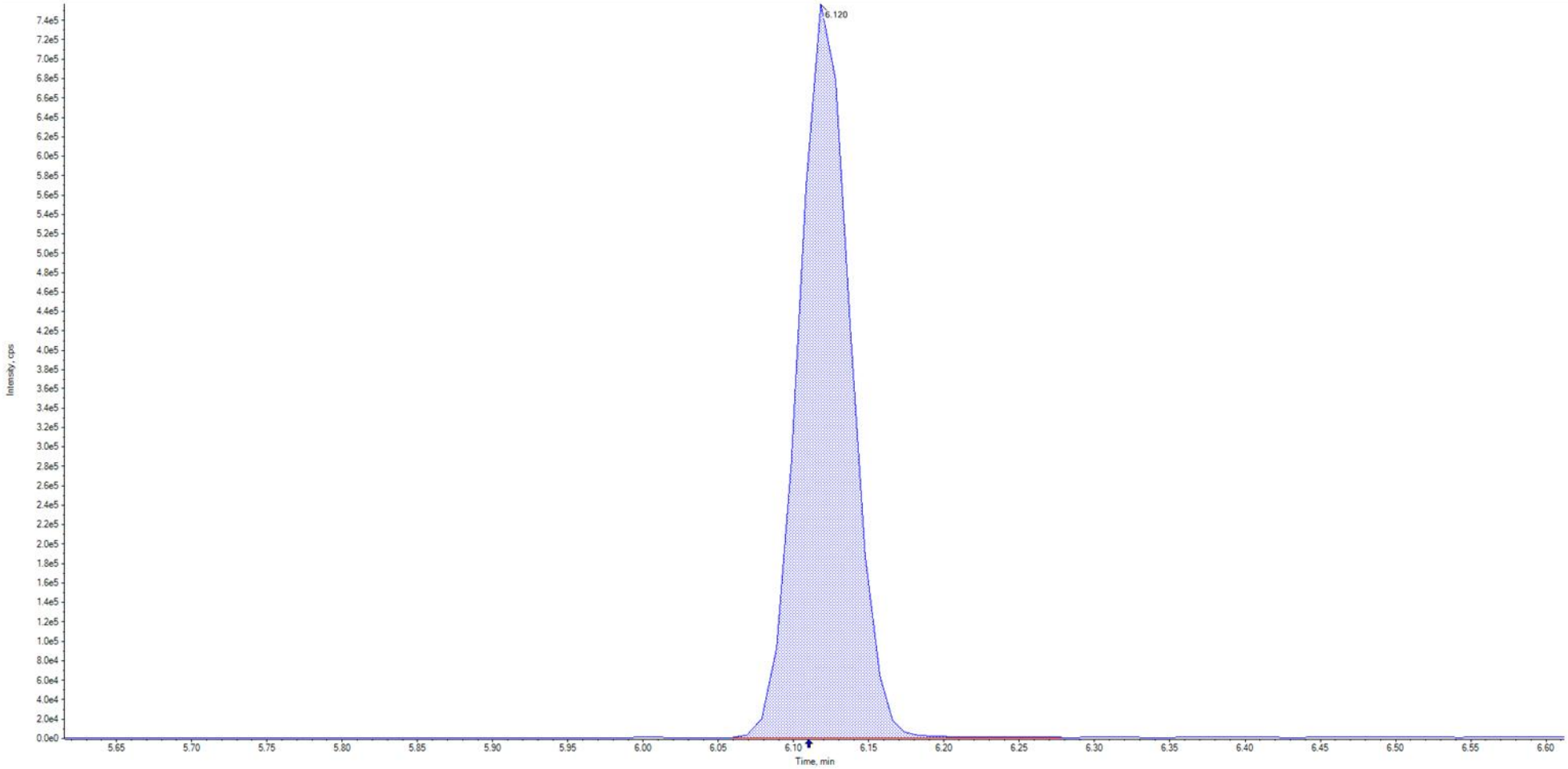
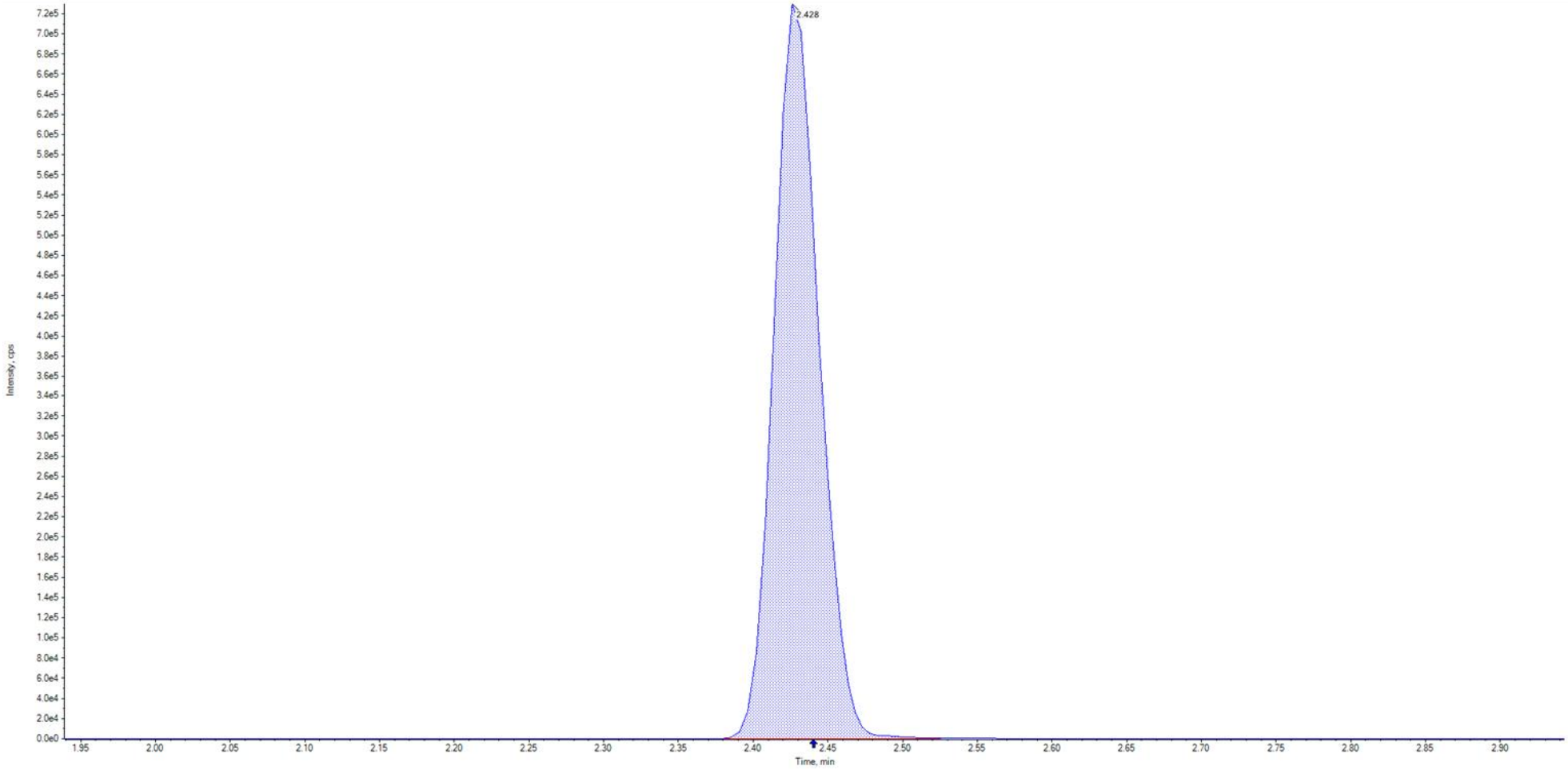


13C3-HFPO-DA
Sample: IA1633STD-62.5



13C3-PFBA
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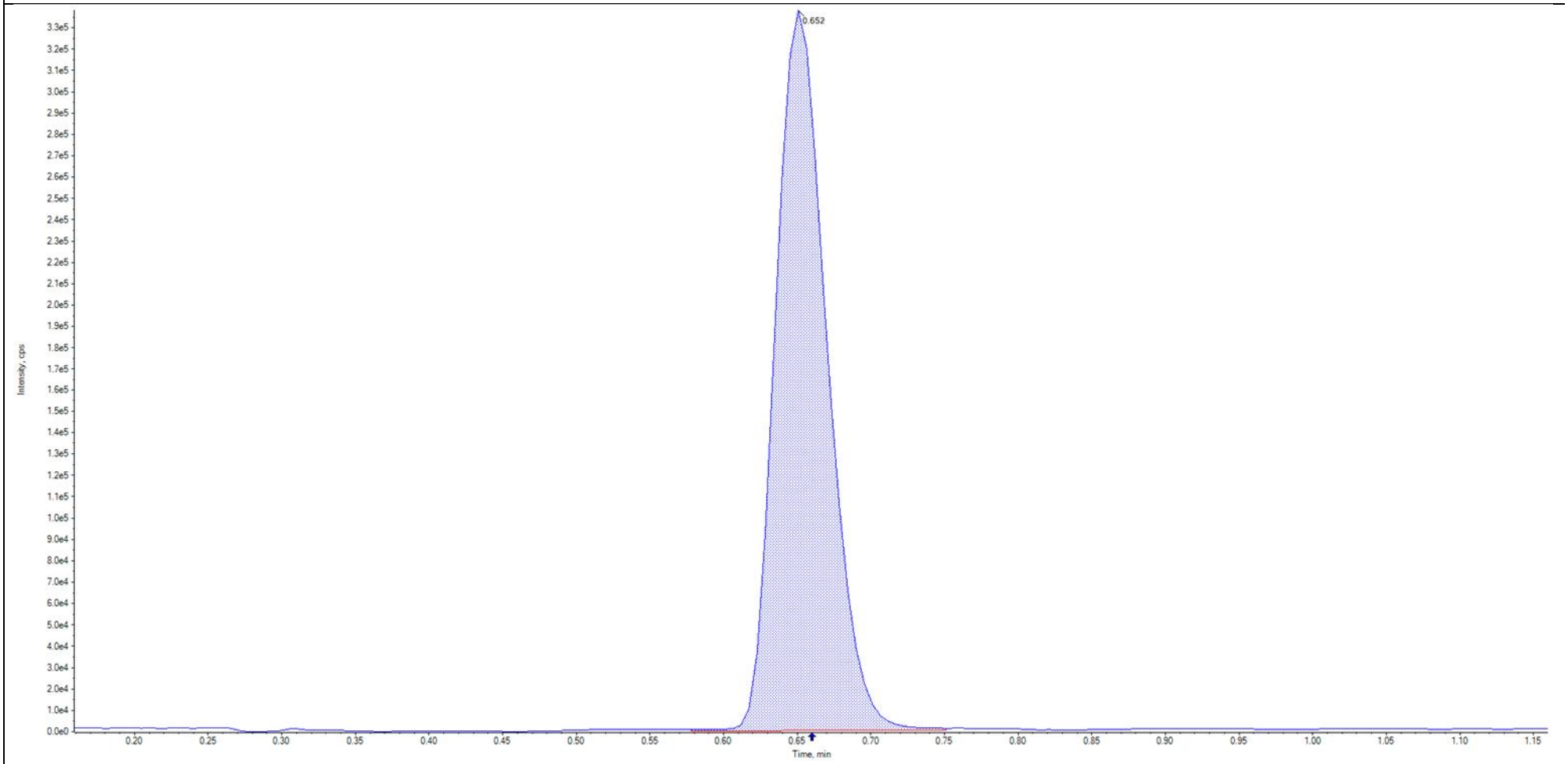

13C2-PFHxA
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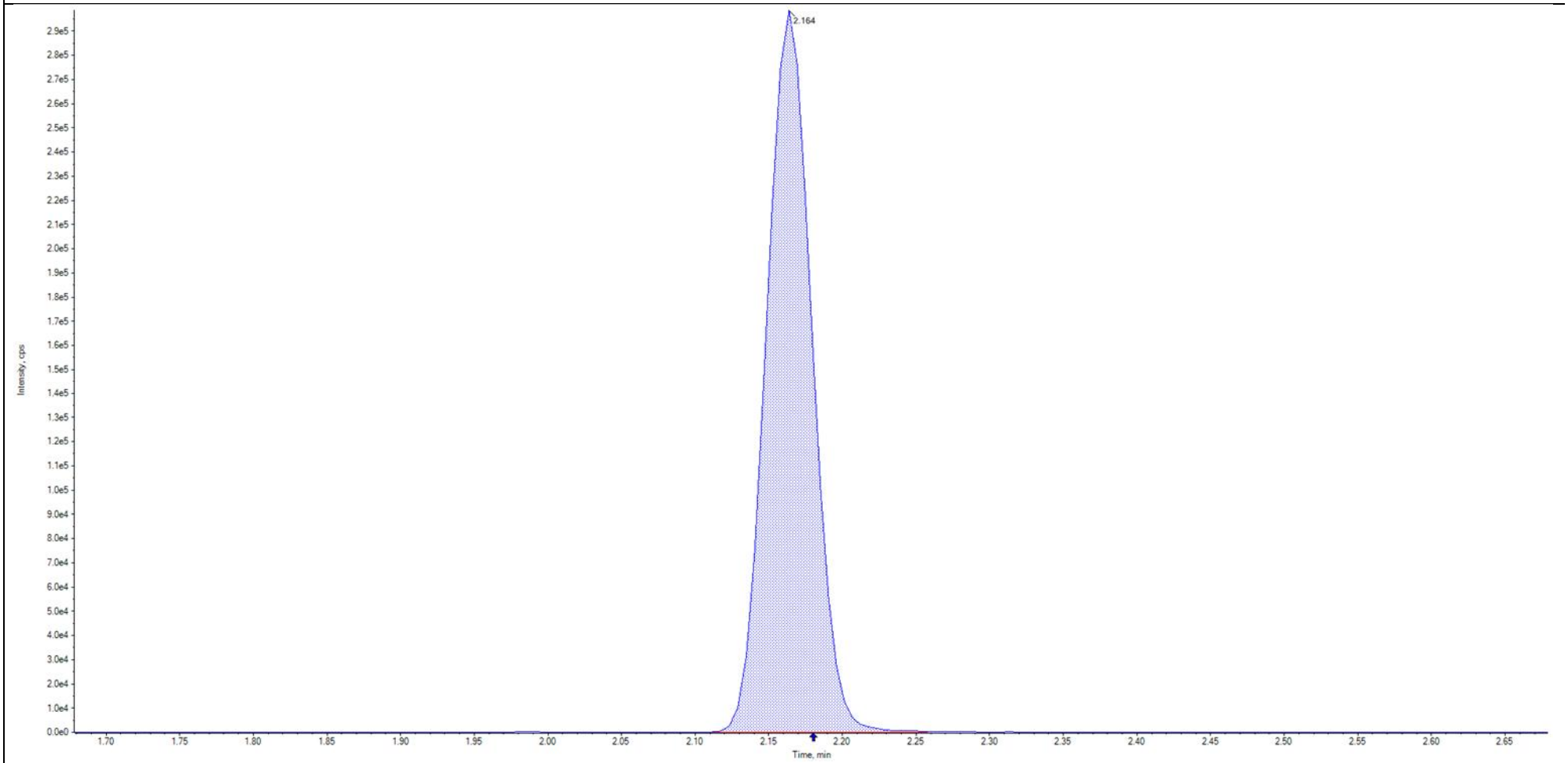
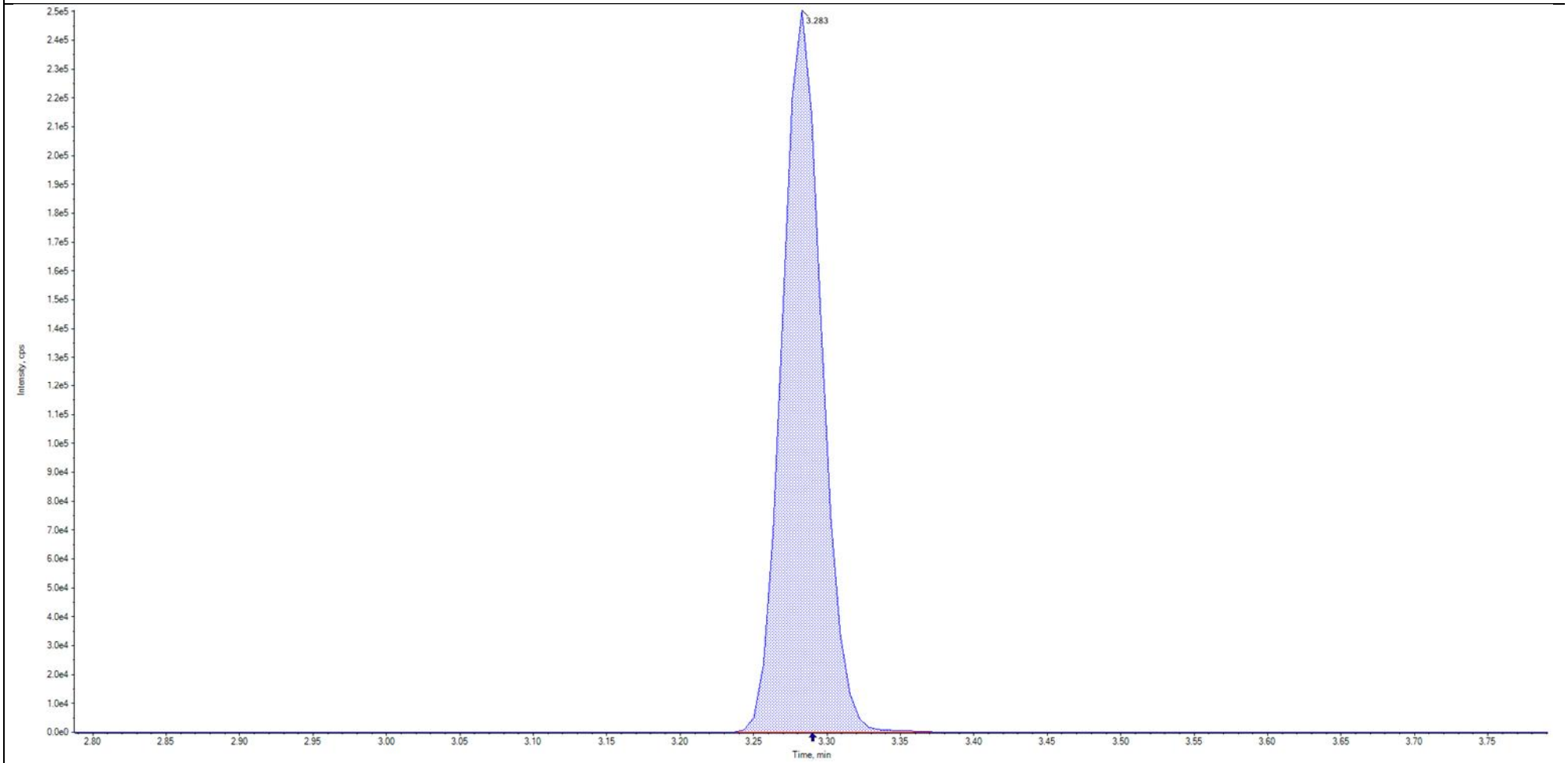


13C4-PFOA
Sample: IA1633STD-62.5



13C5-PFNA
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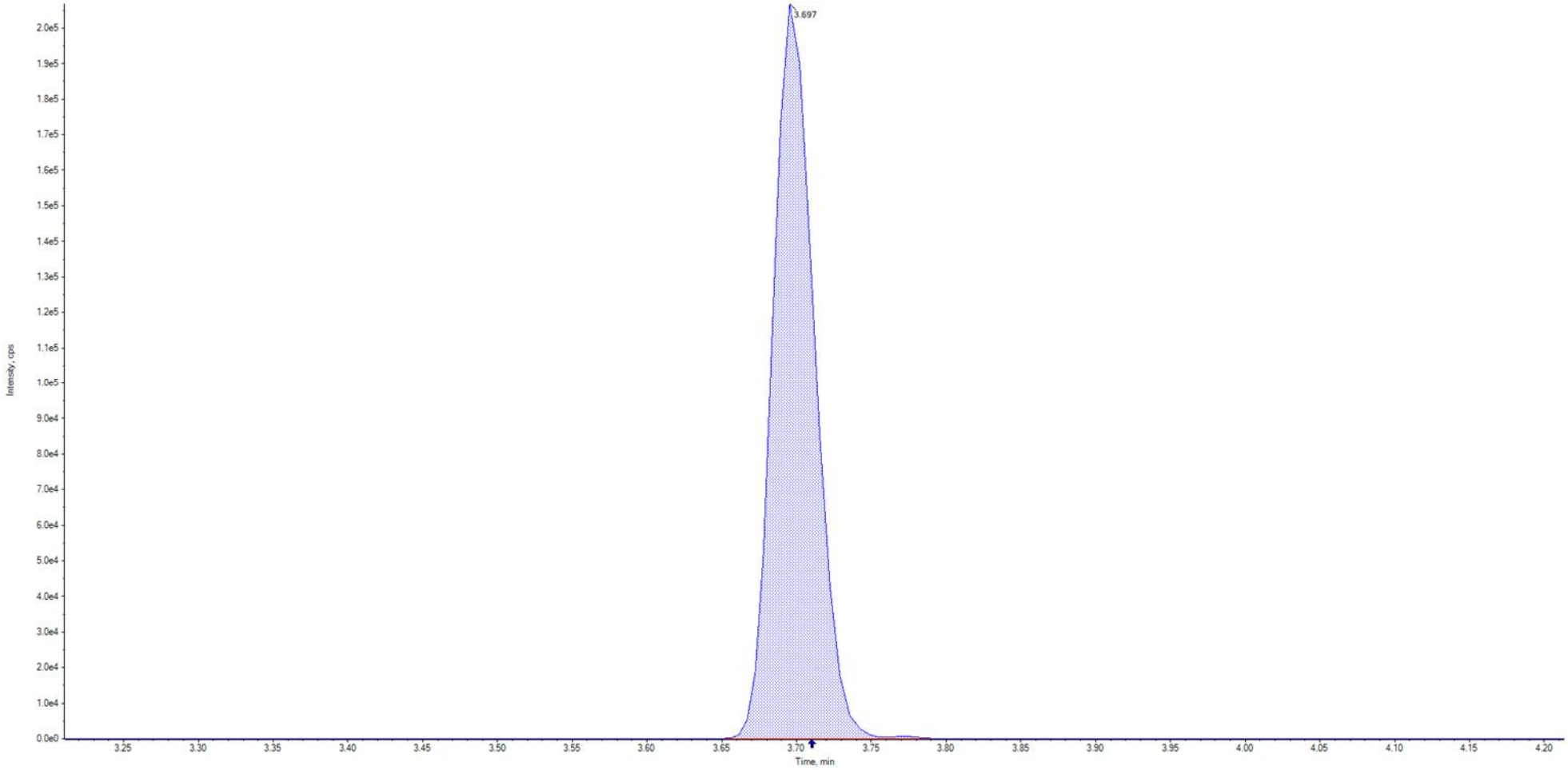
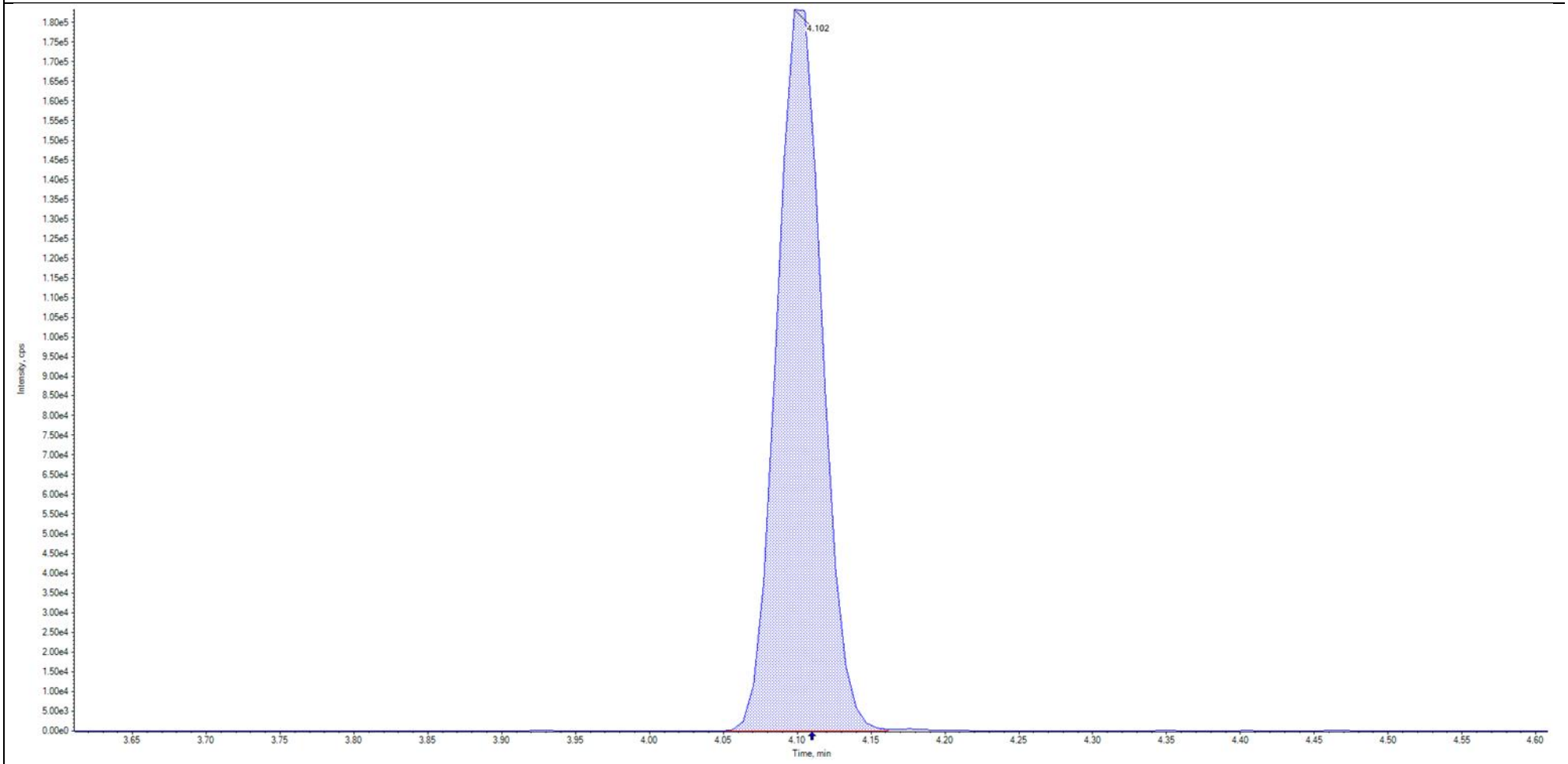


13C2-PFDA
Sample: IA1633STD-62.5



18O2-PFHxS
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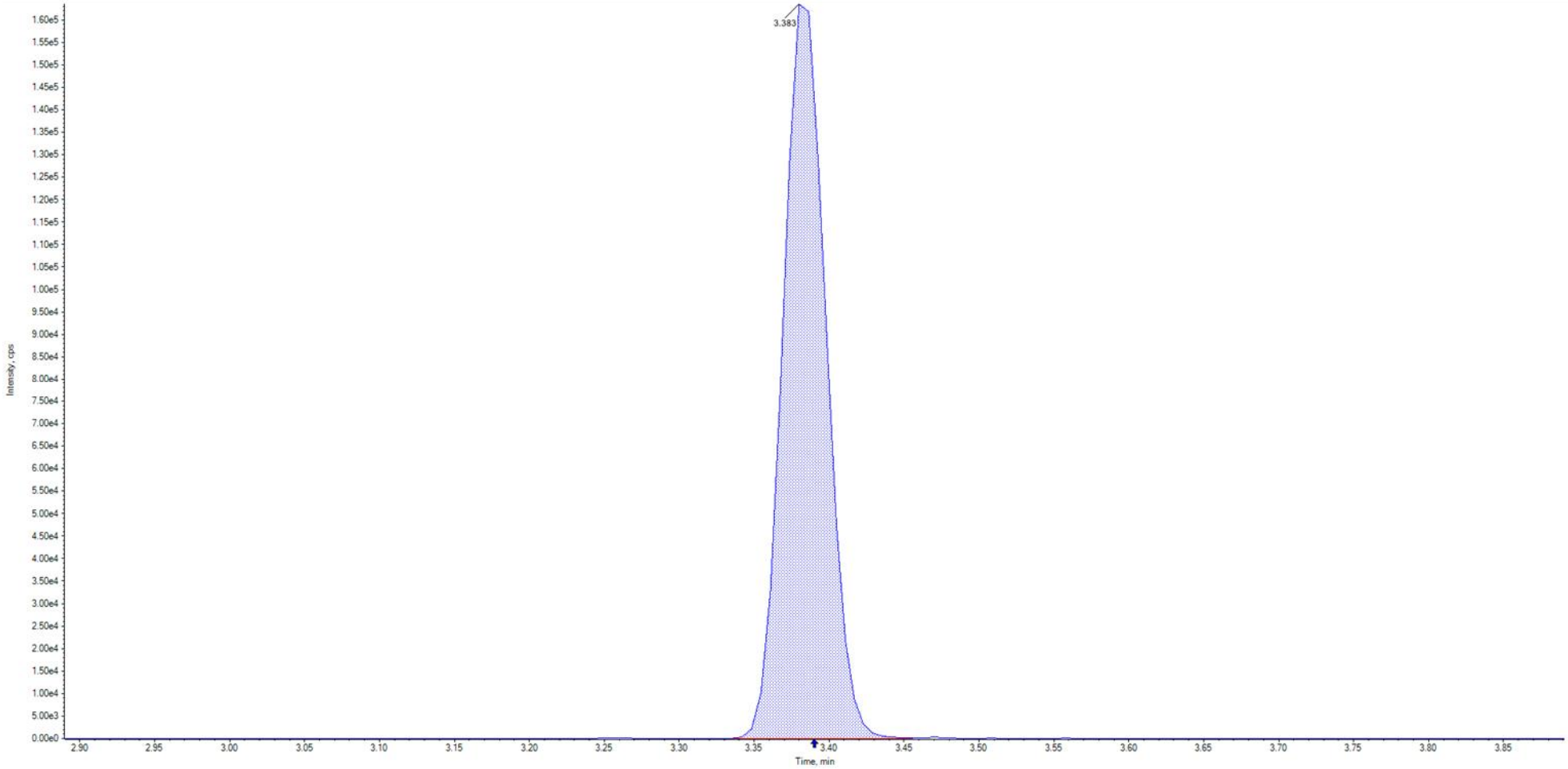

13C4-PFOS
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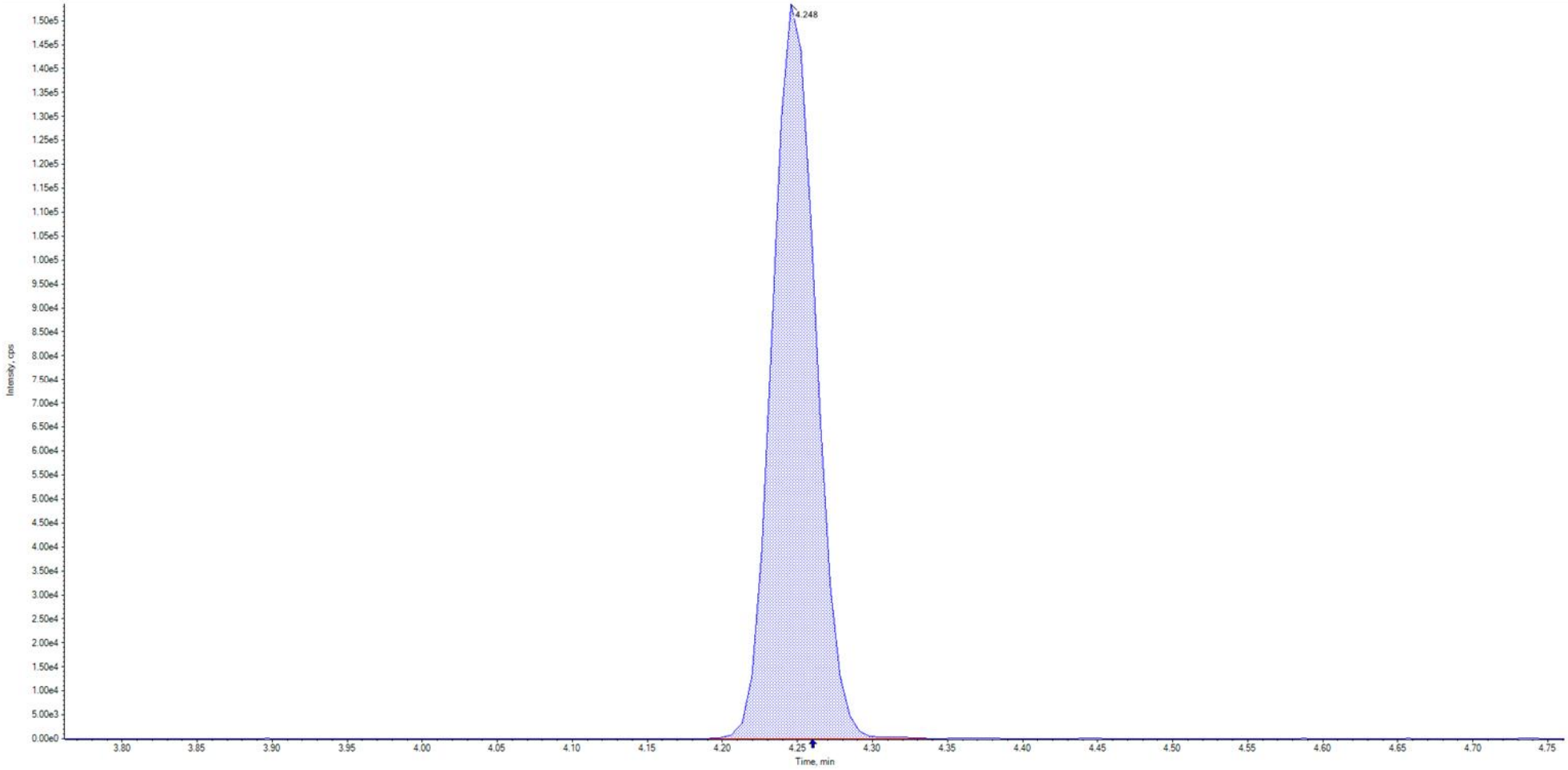

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Method: EPA1633F.qmethod
Calibration: 241115_EPA1633_ICAL

ID: WG1997639-1,BSICS
Name: SCI05_241115_15.wiff2
Date & Time: 2024-11-15T14:12:38
Description: WG1997639,,EPA1633F_241014_L9
Instrument: SCIEX Triple Quad 5500+
User: LCMS05:PNB

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
76	TDCA	RT +/- PFOS	1.28	499.1 / 124.1	3518003		10.548	5.414	5.150	Pass	105.5
77	TDCA_2	RT +/- PFOS	1.28	499.1 / 79.9	19046351		10.868	5.414	5.150	Pass	108.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.65	217.0 / 172.0	1839125		9.963	NA	NA	NA	99.6
	13C5-PFPeA	EIS	1.33	268.0 / 223.0	1010710		4.720	NA	NA	NA	94.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFHxA	EIS	2.16	318.0 / 273.0	487400		2.648	NA	NA	NA	105.9
	13C4-PFHpA	EIS	2.83	367.0 / 322.0	363388		2.875	NA	NA	NA	115.0
	13C8-PFOA	EIS	3.28	420.8 / 376.0	1064947		2.228	NA	NA	NA	89.1
	13C9-PFNA	EIS	3.70	472.0 / 427.0	410587		1.153	NA	NA	NA	92.2
	13C6-PFDA	EIS	4.10	519.0 / 474.0	430144		1.270	NA	NA	NA	101.6
	13C7-PFUnA	EIS	4.50	570.0 / 525.0	338720		1.158	NA	NA	NA	92.7
	13C2-PFDoA	EIS	4.88	615.1 / 570.0	319859		1.313	NA	NA	NA	105.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFTeDA	EIS	5.65	715.1 / 670.1	298266		1.368	NA	NA	NA	109.4
	13C3-PFBS	EIS	2.15	302.1 / 80.1	416815		2.220	NA	NA	NA	95.3
	13C3-PFHxS	EIS	3.38	402.1 / 80.1	389893		2.396	NA	NA	NA	101.1
	13C8-PFOS	EIS	4.25	507.1 / 80.1	385196		2.152	NA	NA	NA	89.7
	13C2-4:2FTS	EIS	1.93	329.1 / 81.1	155365		4.986	NA	NA	NA	106.3
	13C2-6:2FTS	EIS	3.11	429.2 / 81.1	153141		5.319	NA	NA	NA	111.7
	13C2-8:2FTS	EIS	3.92	529.2 / 81.1	143816		5.559	NA	NA	NA	115.8
	13C8-PFOSA	EIS	5.27	506.1 / 78.1	655853		2.298	NA	NA	NA	91.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	d3-NMeFOSA	EIS	5.98	515.2 / 219.0	104931		2.500	NA	NA	NA	100.0
	d5-NEtFOSA	EIS	6.26	531.2 / 219.0	102228		2.613	NA	NA	NA	104.5
	d3-NMeFOSAA	EIS	4.19	573.2 / 419.1	257677		5.834	NA	NA	NA	116.7
	d5-NEtFOSAA	EIS	4.38	589.3 / 419.1	203815		4.797	NA	NA	NA	95.9
	d7-NMeFOSE	EIS	5.84	623.2 / 58.9	1271207		25.625	NA	NA	NA	102.5
	d9-NEtFOSE	EIS	6.12	639.2 / 58.9	1820837		25.329	NA	NA	NA	101.3
	13C3-HFPO-DA	EIS	2.43	287.0 / 169.0	1538473		11.472	NA	NA	NA	114.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-PFBA	NIS	0.65	216.0 / 172.0	821137		4.151	NA	NA	NA	83.0
	13C2-PFHxA	NIS	2.16	315.0 / 270.0	643490		2.448	NA	NA	NA	97.9
	13C4-PFOA	NIS	3.28	417.0 / 372.0	470715		2.717	NA	NA	NA	108.7
	13C5-PFNA	NIS	3.70	468.0 / 423.0	401713		1.291	NA	NA	NA	103.3
	13C2-PFDA	NIS	4.10	515.1 / 470.1	393884		1.243	NA	NA	NA	99.5
	18O2-PFHxS	NIS	3.38	403.1 / 84.1	329659		2.332	NA	NA	NA	98.4
	13C4-PFOS	NIS	4.25	503.1 / 80.1	310862		2.511	NA	NA	NA	104.6

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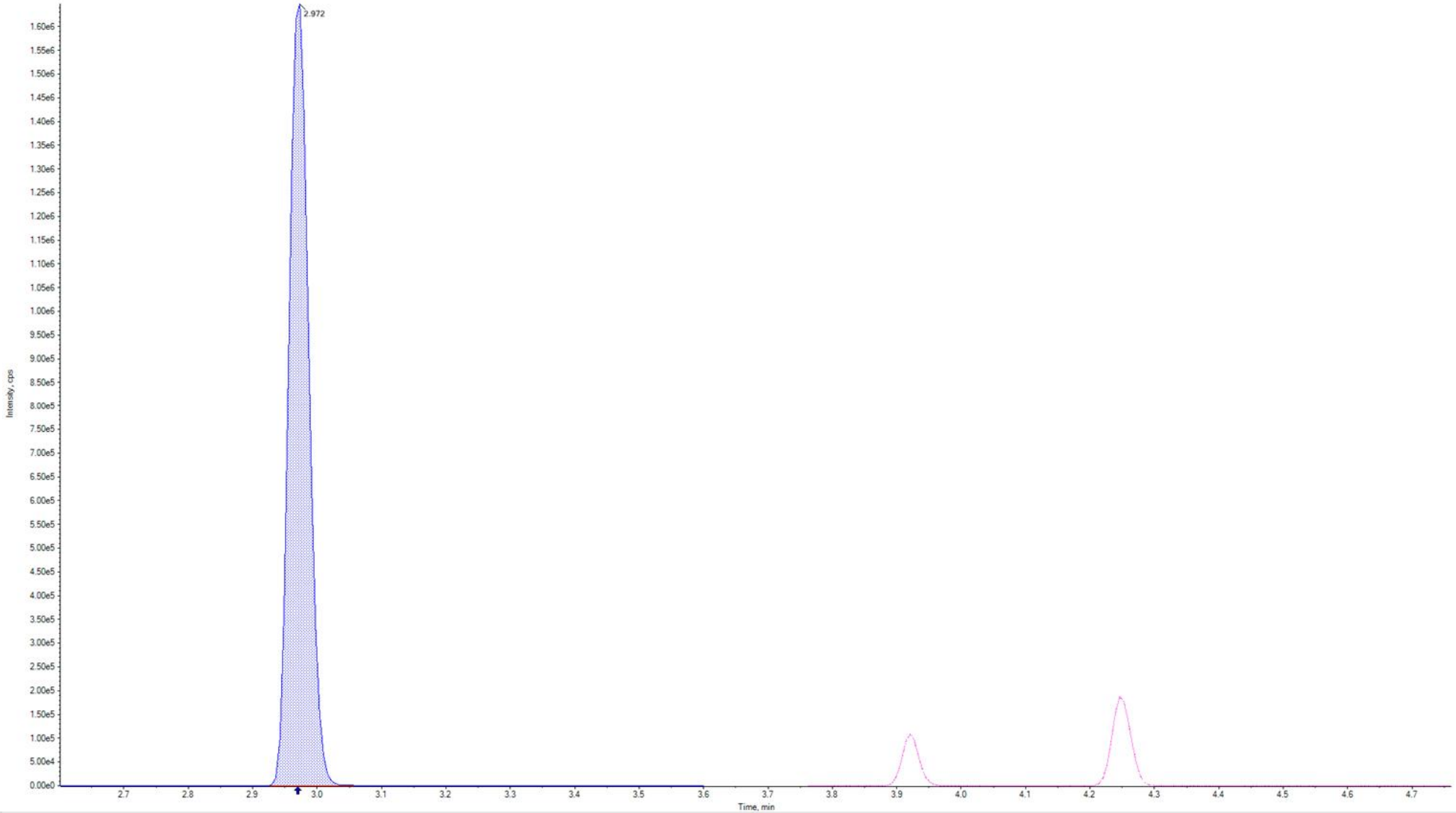

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:26:33 PM
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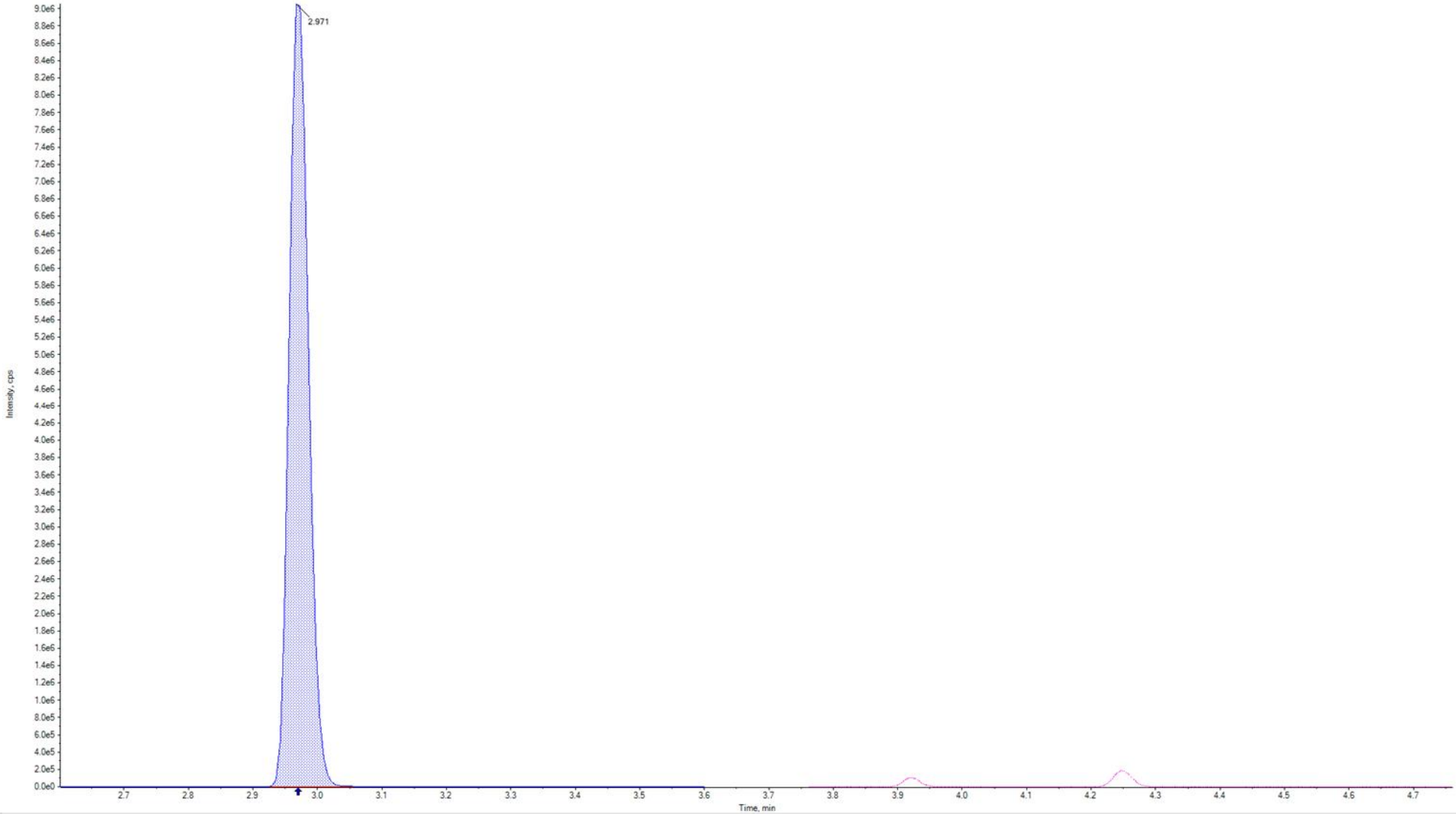
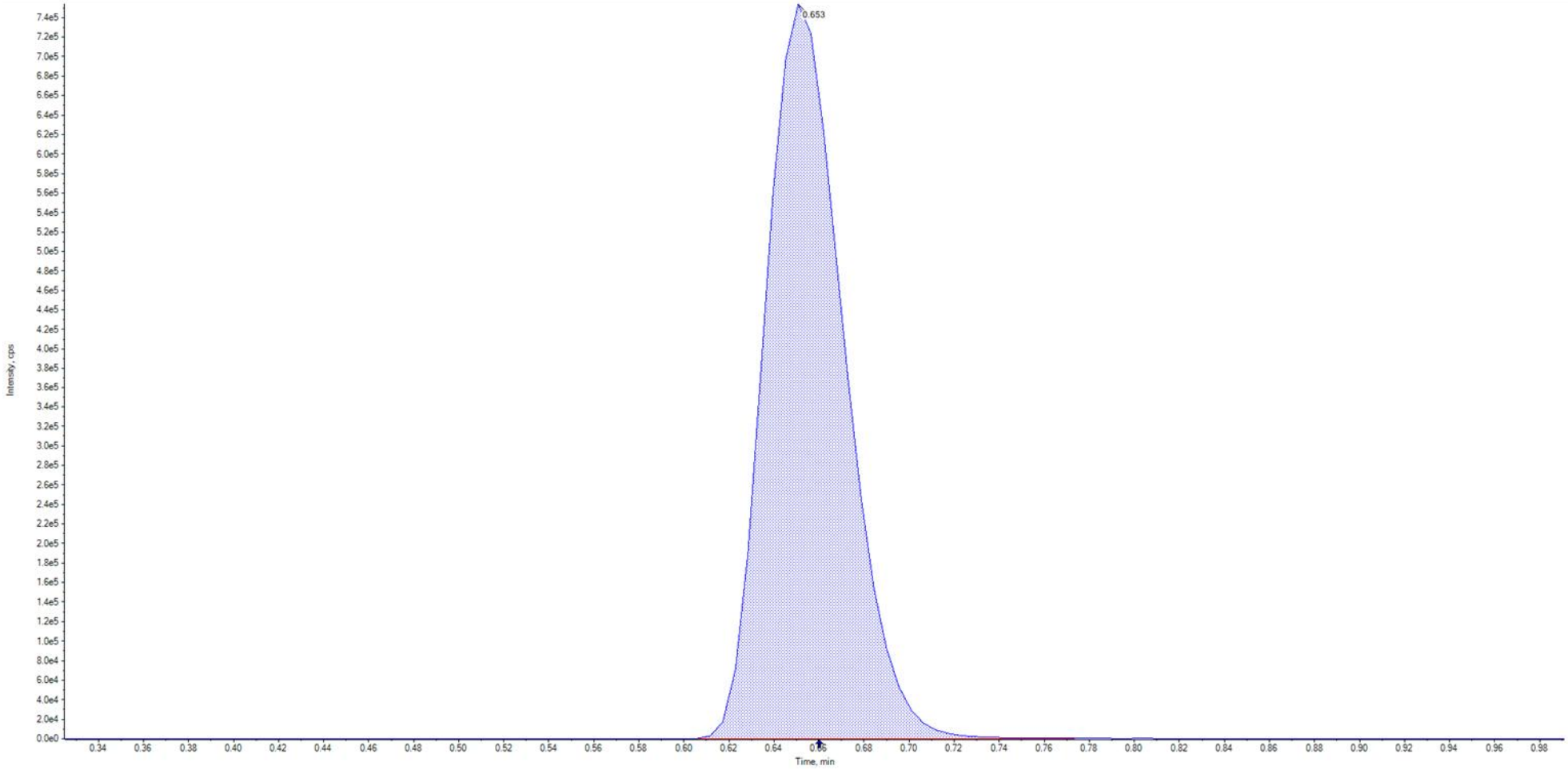
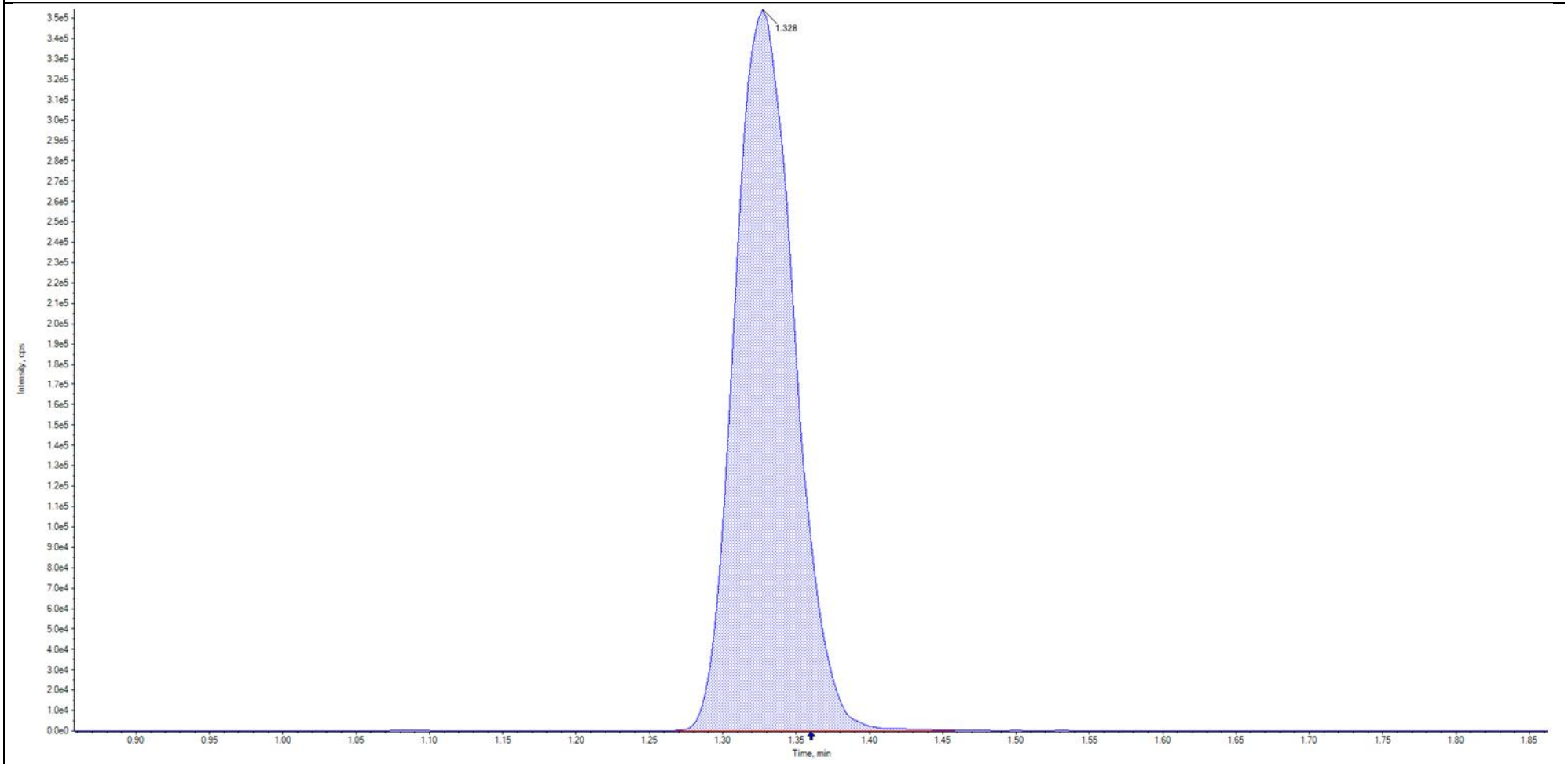
TDCA_2
Sample: WG1997639-1,BSICS S/N:9598.1 Points Across peak:38



13C4-PFBA
Sample: WG1997639-1,BSICS



13C5-PFPeA
Sample: WG1997639-1,BSICS



13C5-PFHxA
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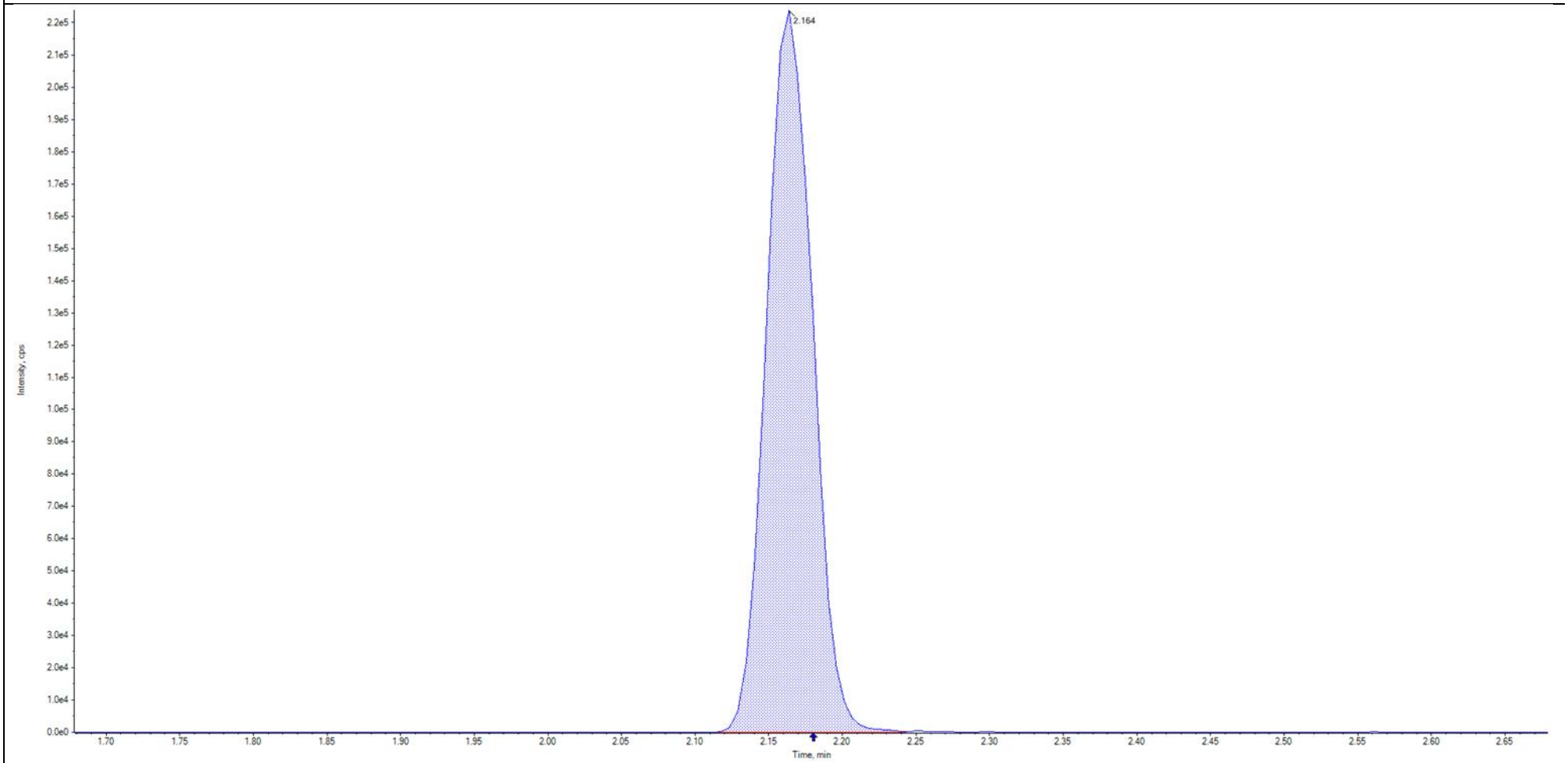

13C4-PFHpA
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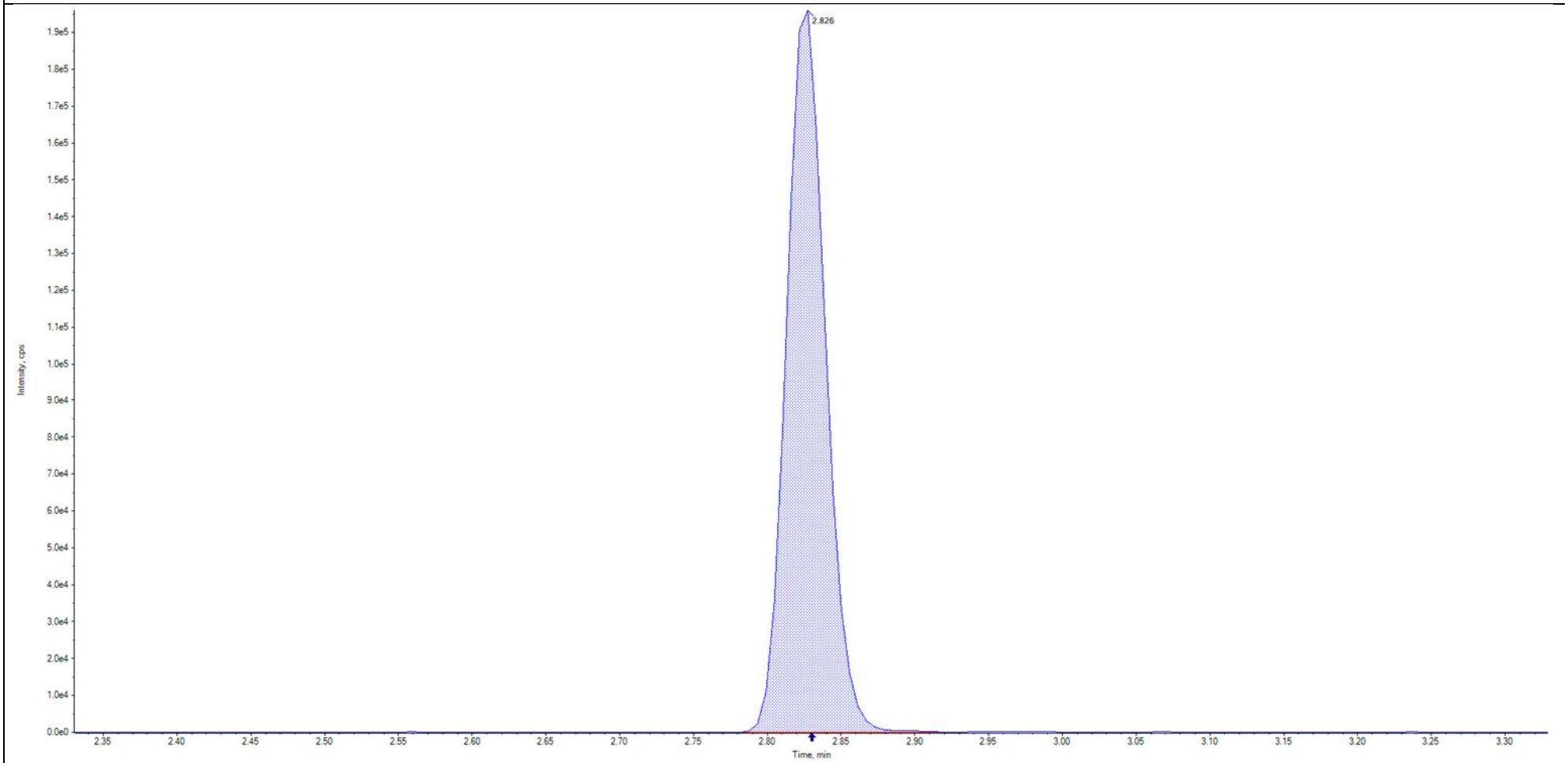
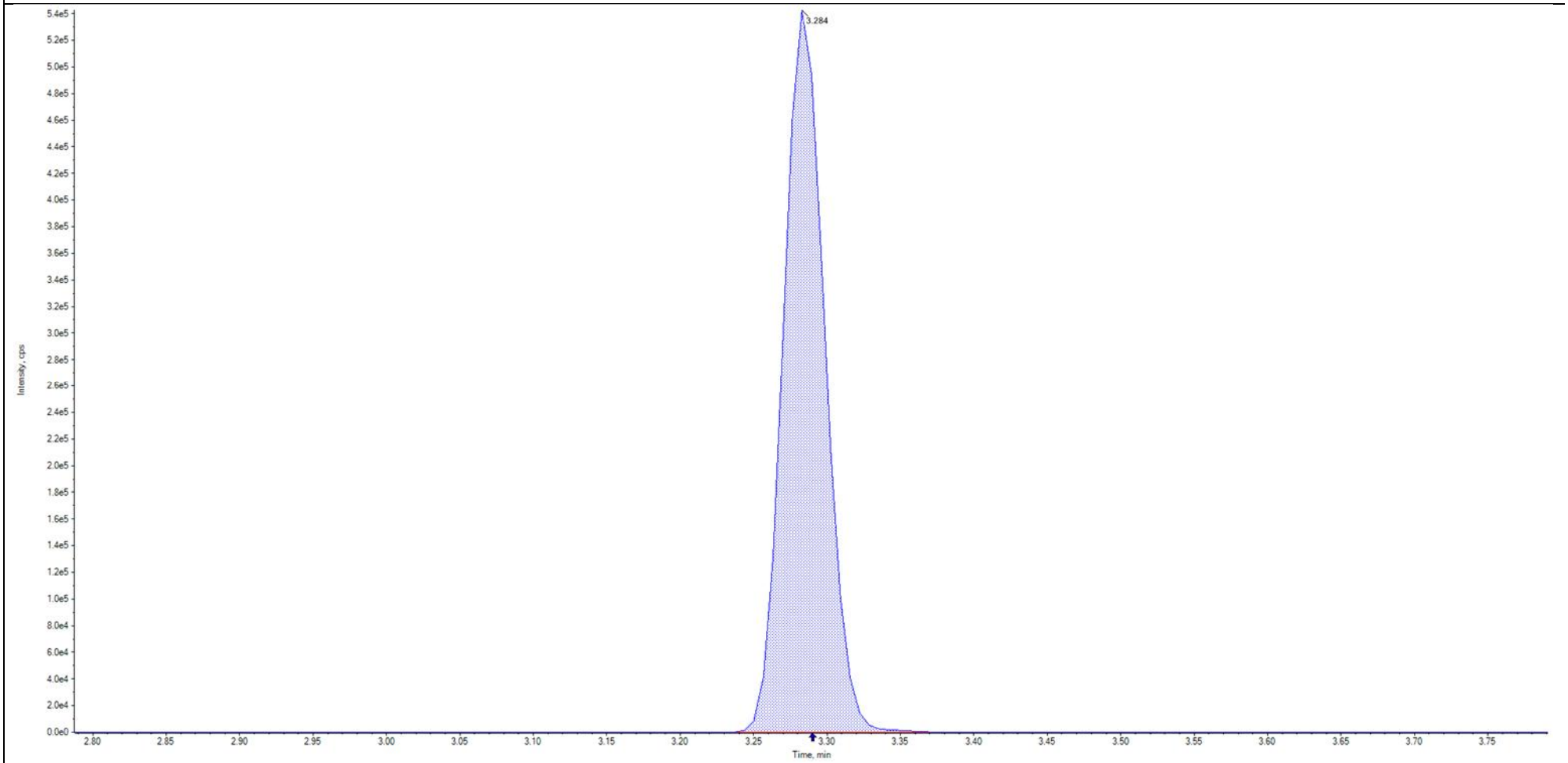
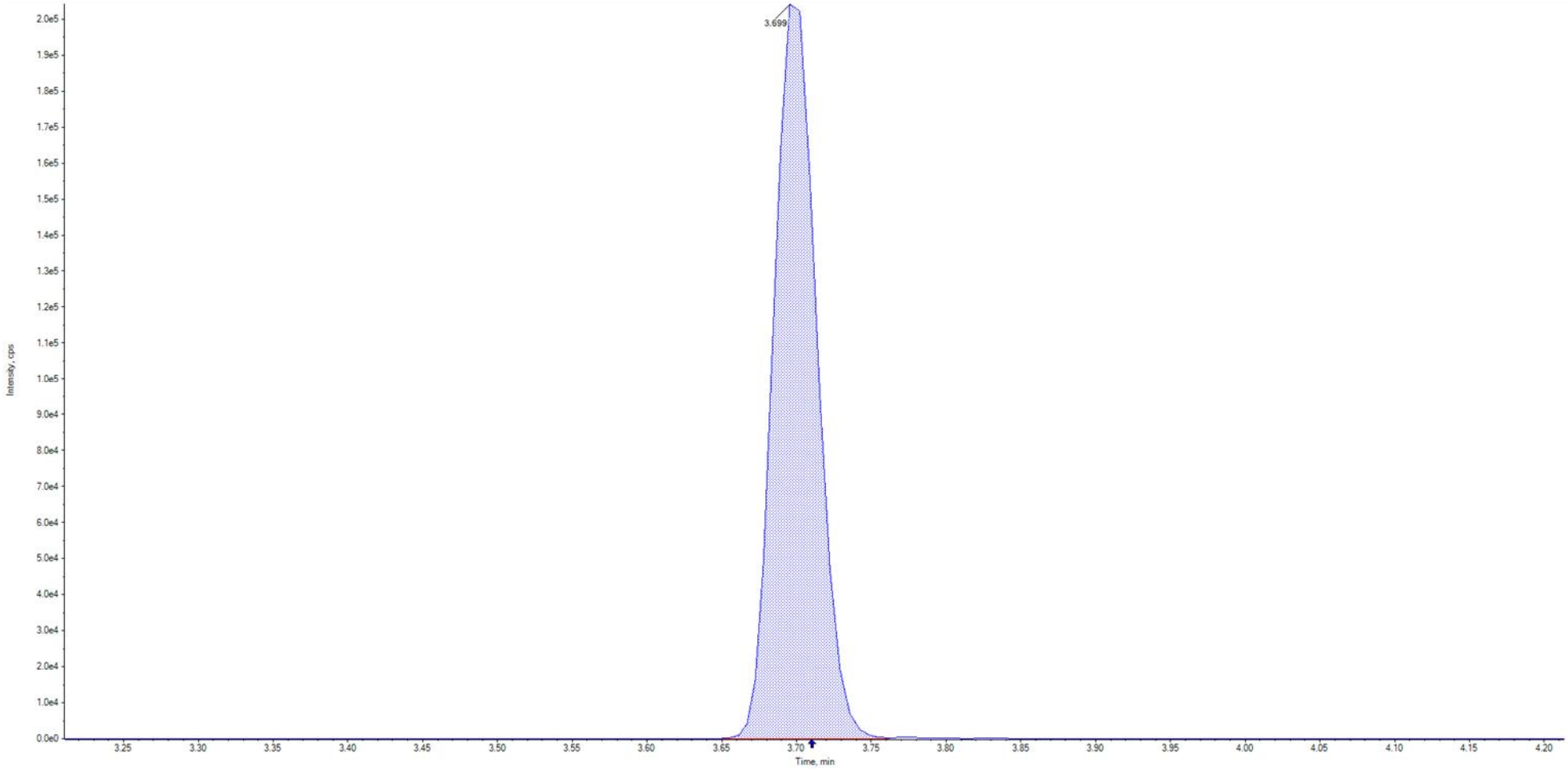


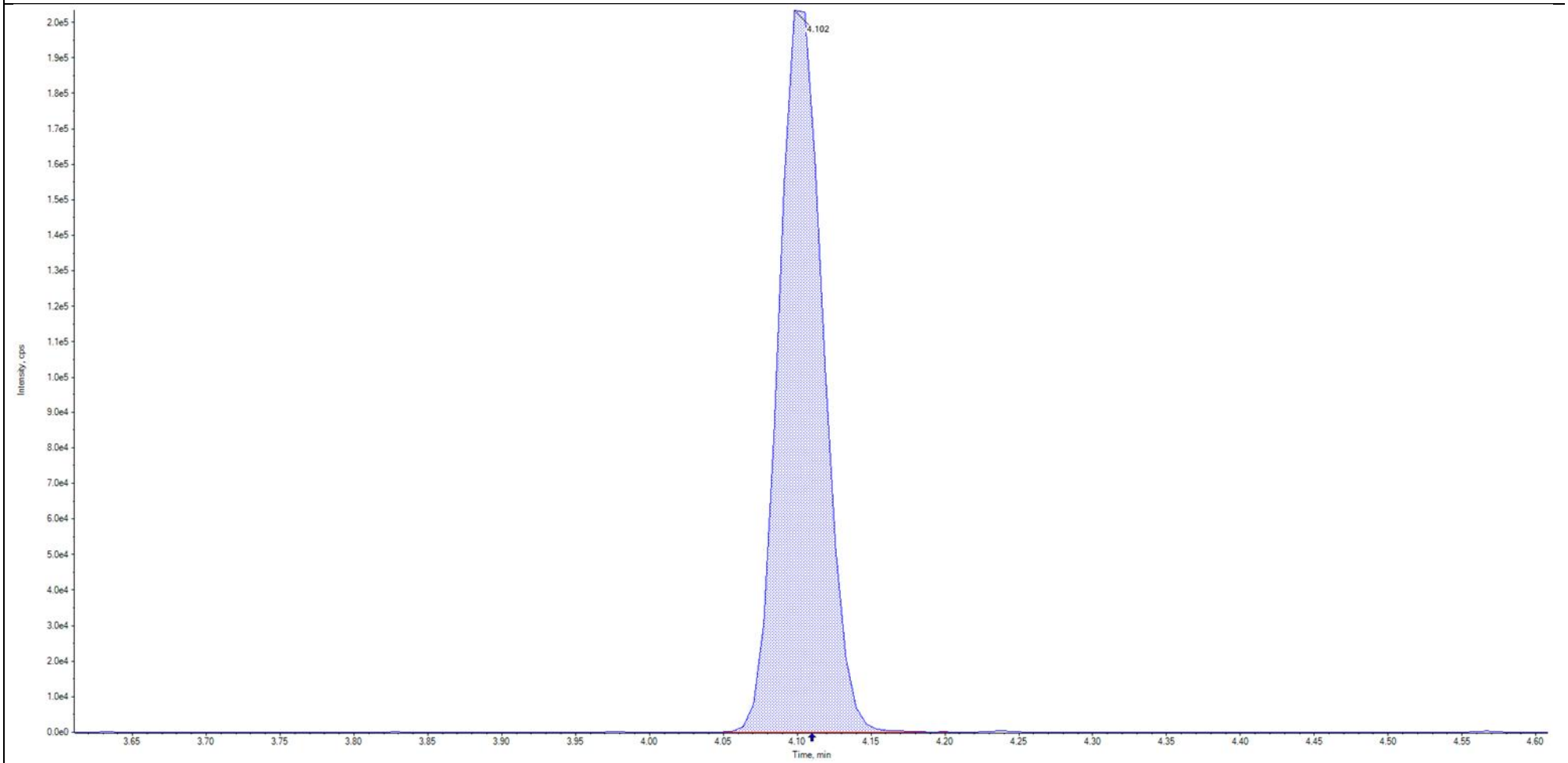
13C8-PFOA
Sample: WG1997639-1,BSICS



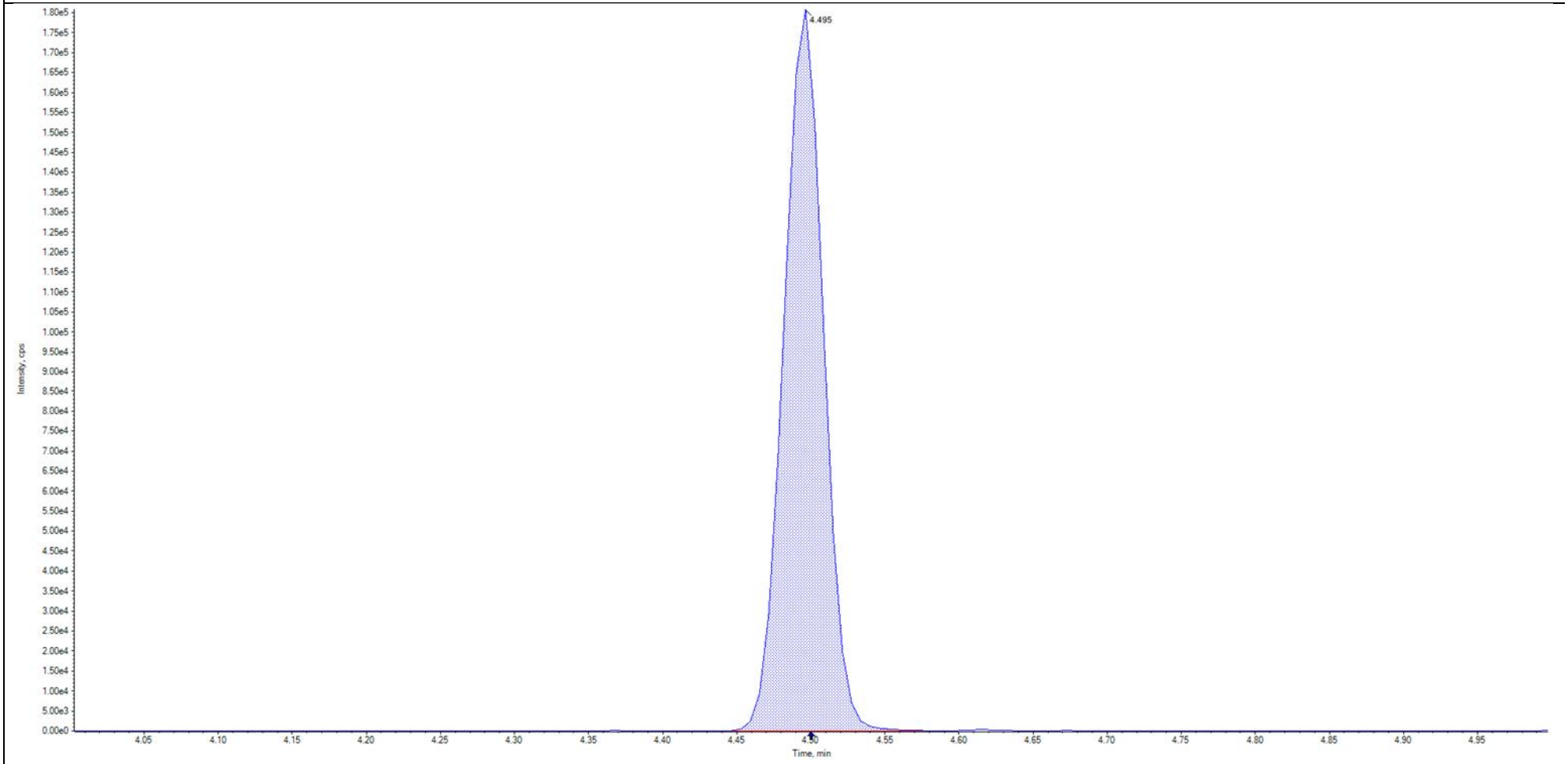
13C9-PFNA
Sample: WG1997639-1,BSICS



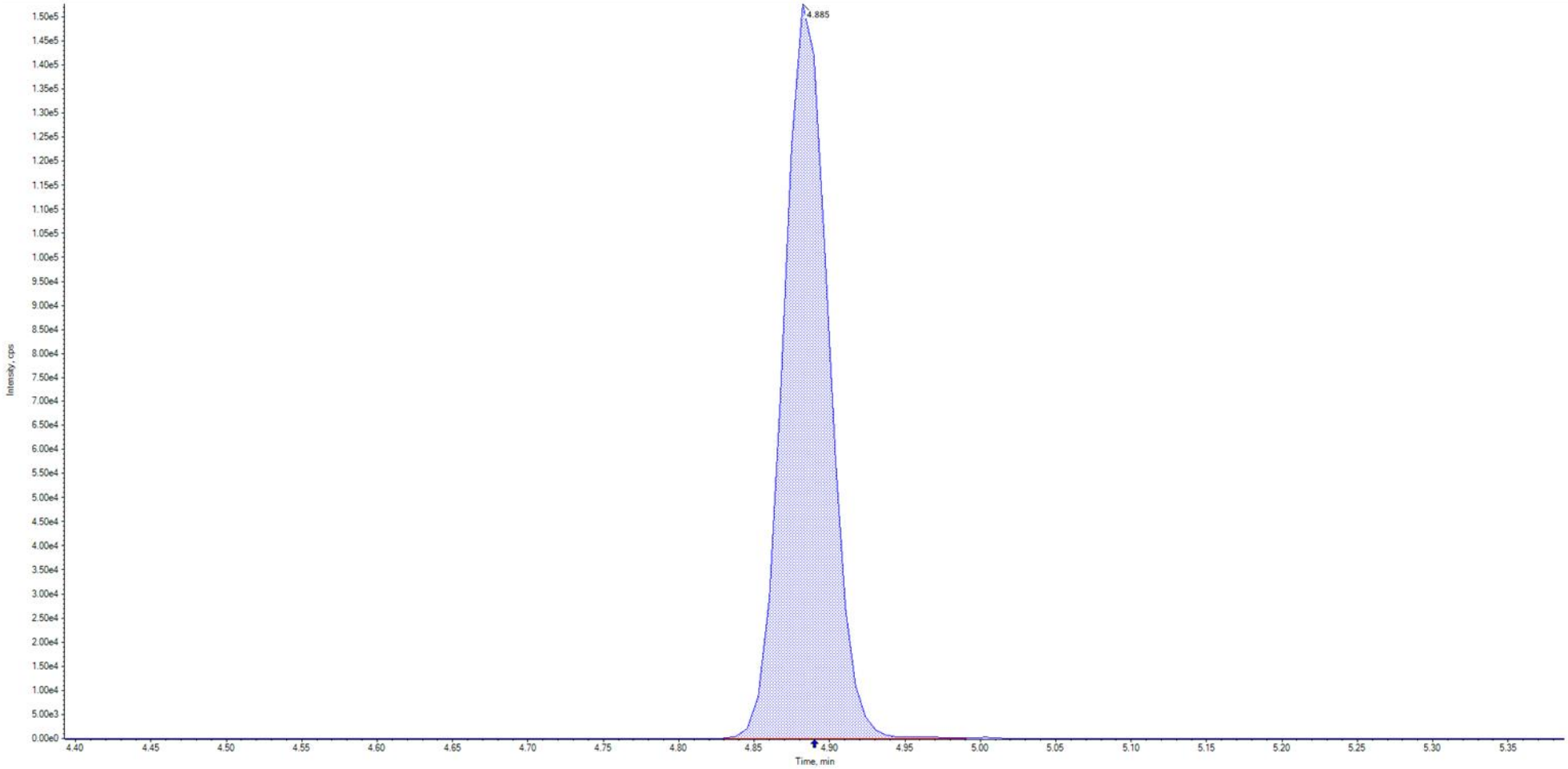
13C6-PFDA
Sample: WG1997639-1,BSICS



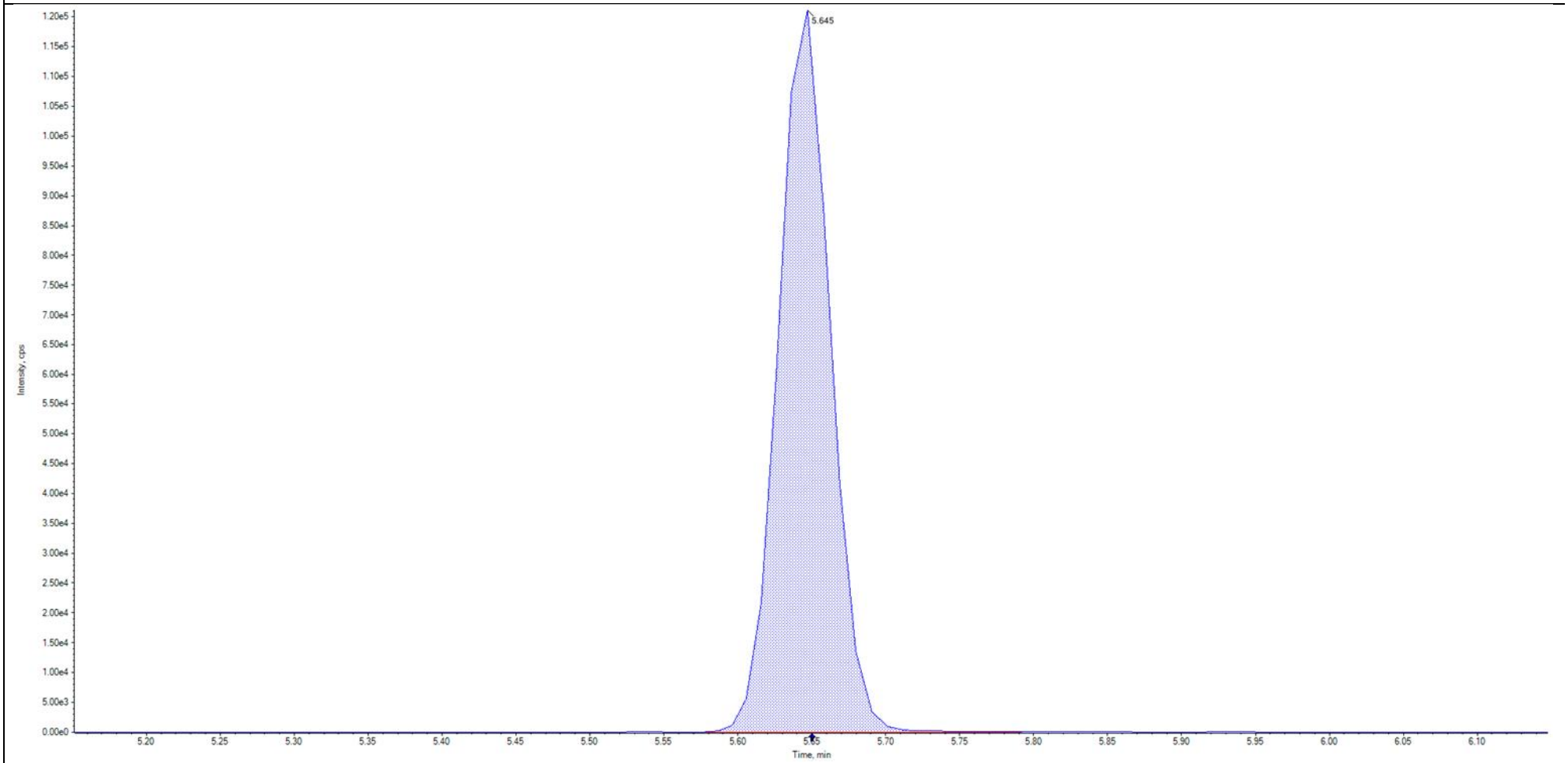
13C7-PFUnA
Sample: WG1997639-1,BSICS



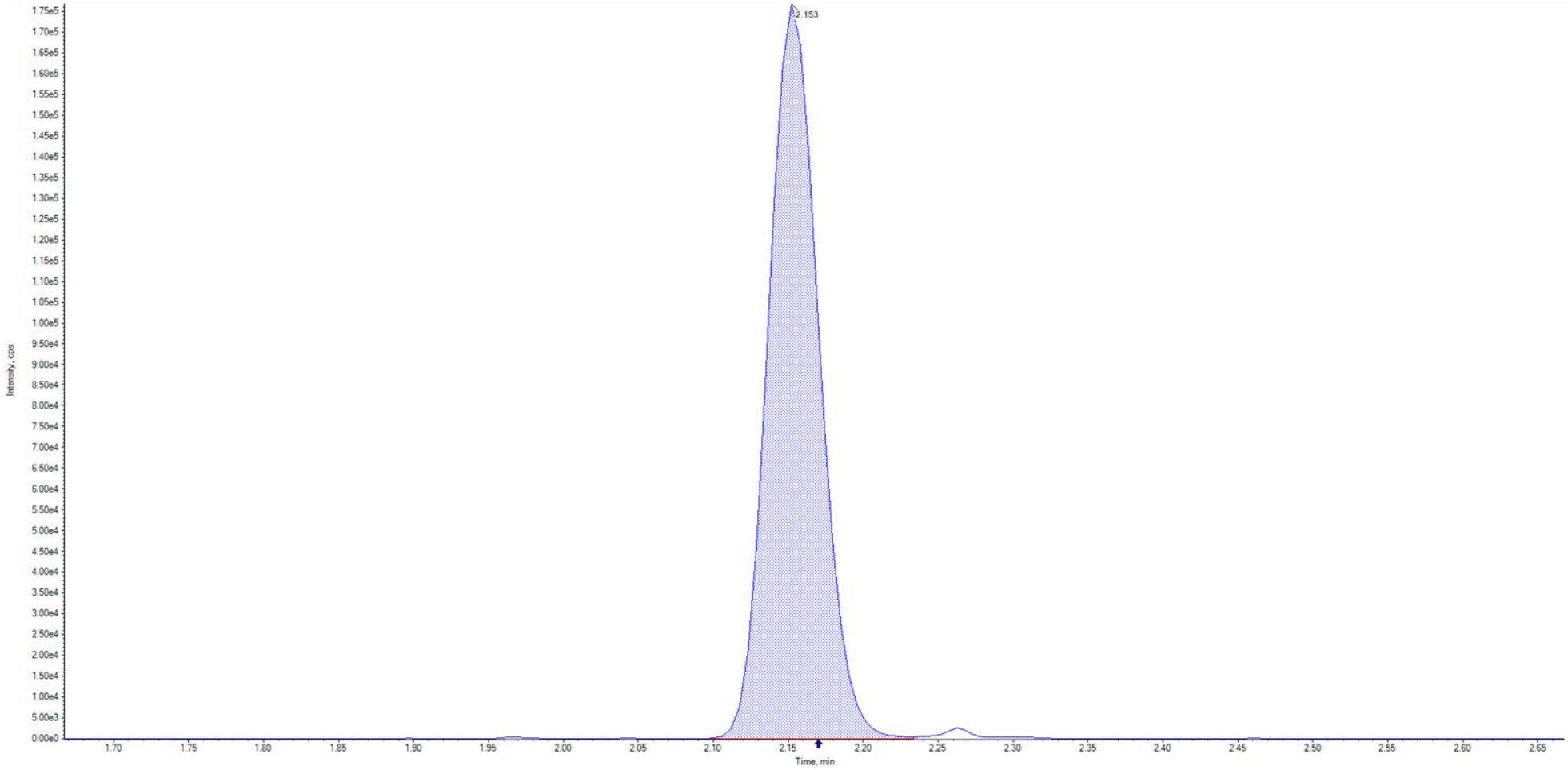
13C2-PFDoA
Sample: WG1997639-1,BSICS



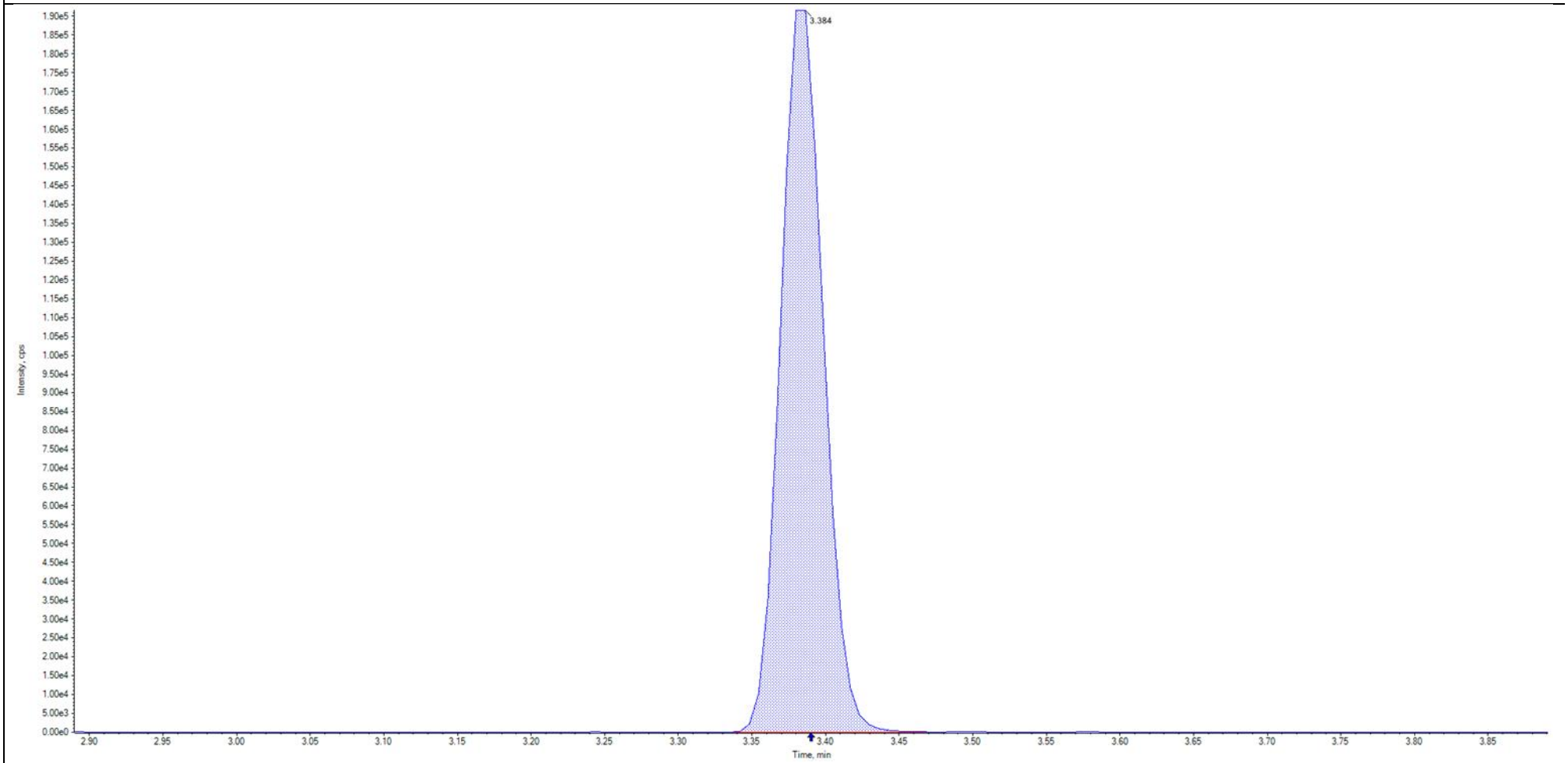
13C2-PFTeDA
Sample: WG1997639-1,BSICS



13C3-PFBS
Sample: WG1997639-1,BSICS



13C3-PFHxS
Sample: WG1997639-1,BSICS



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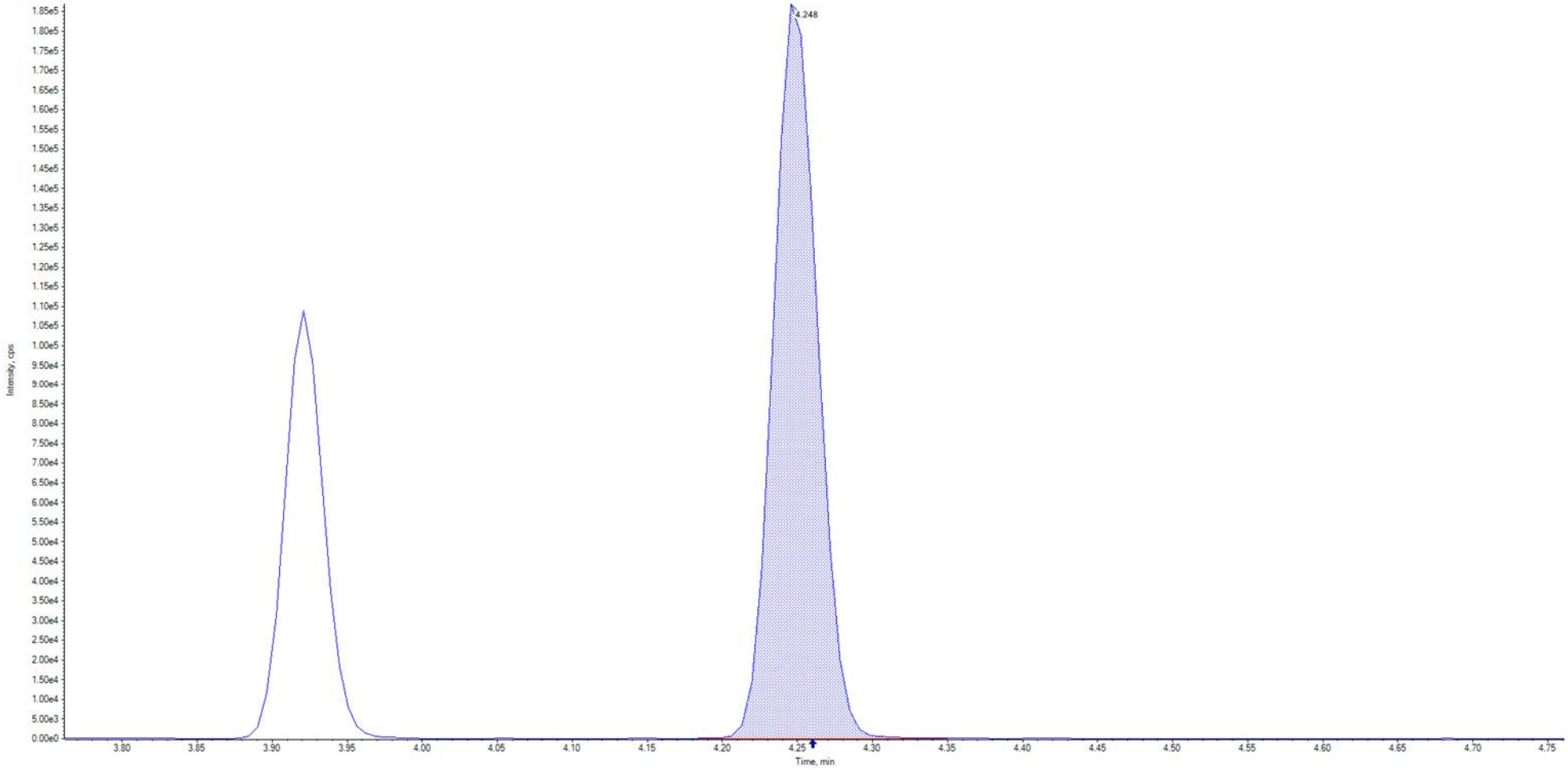
13C8-PFOS
Sample: WG1997639-1,BSICS



13C2-4:2FTS
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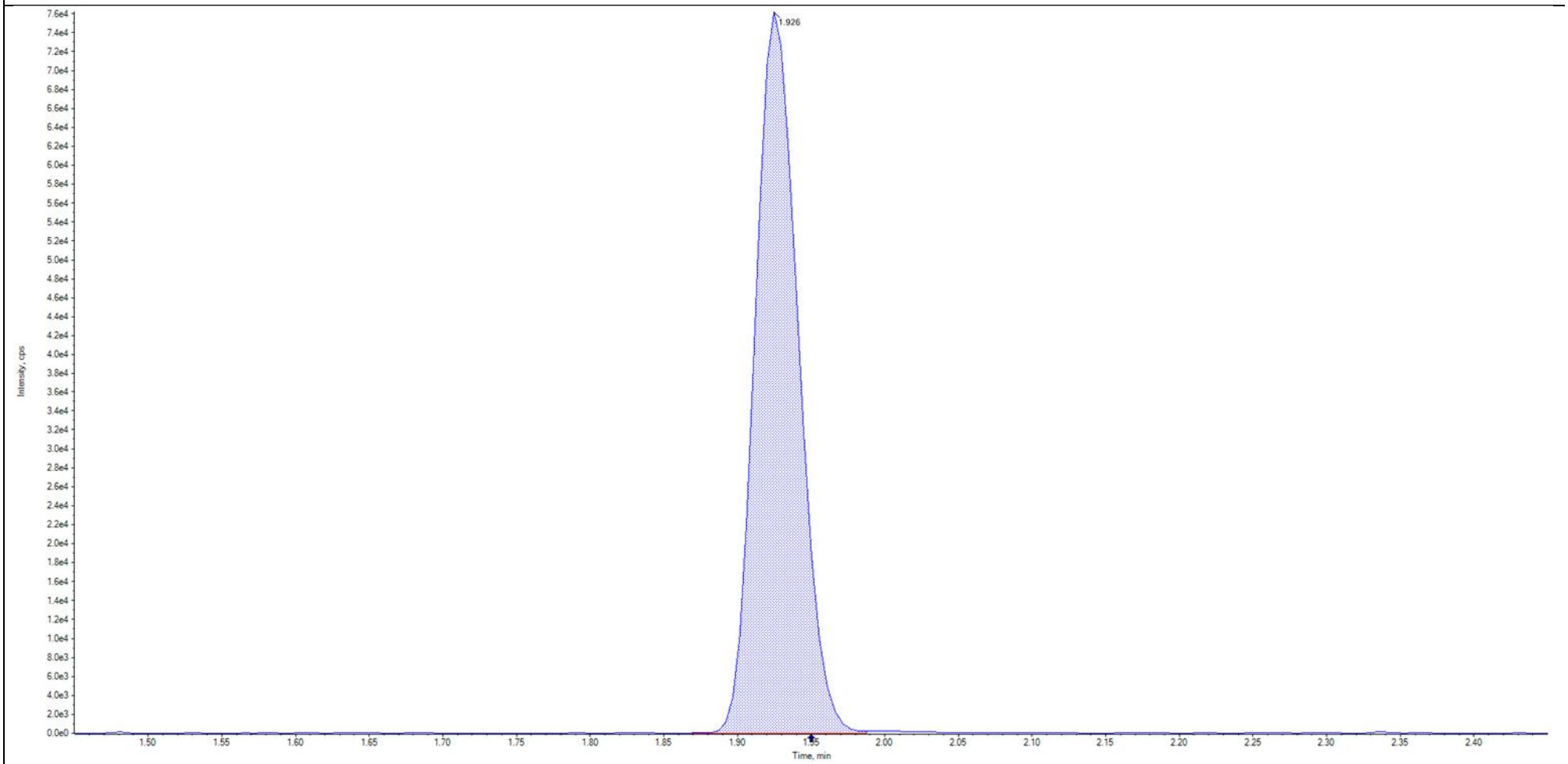

13C2-6:2FTS
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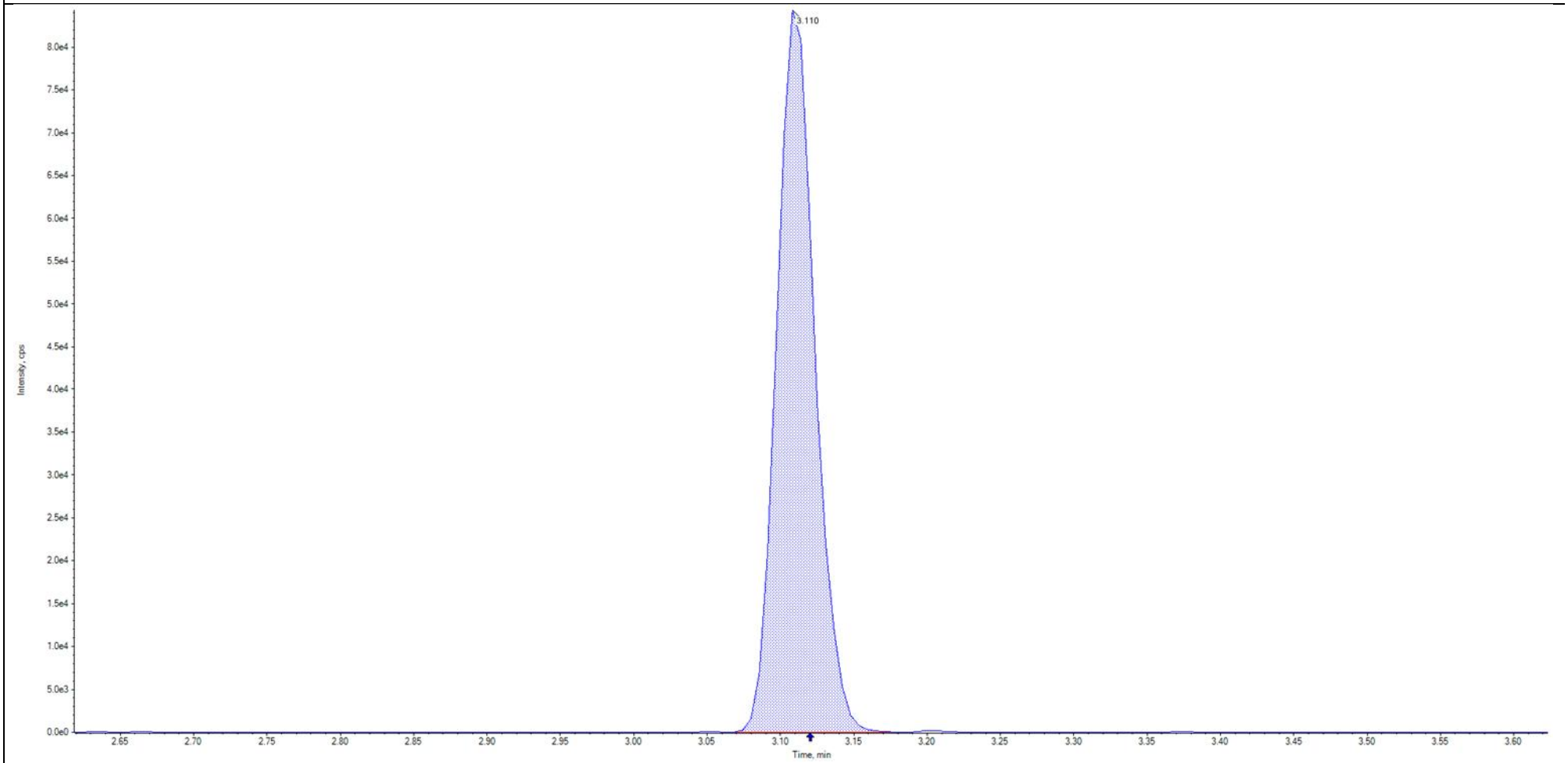
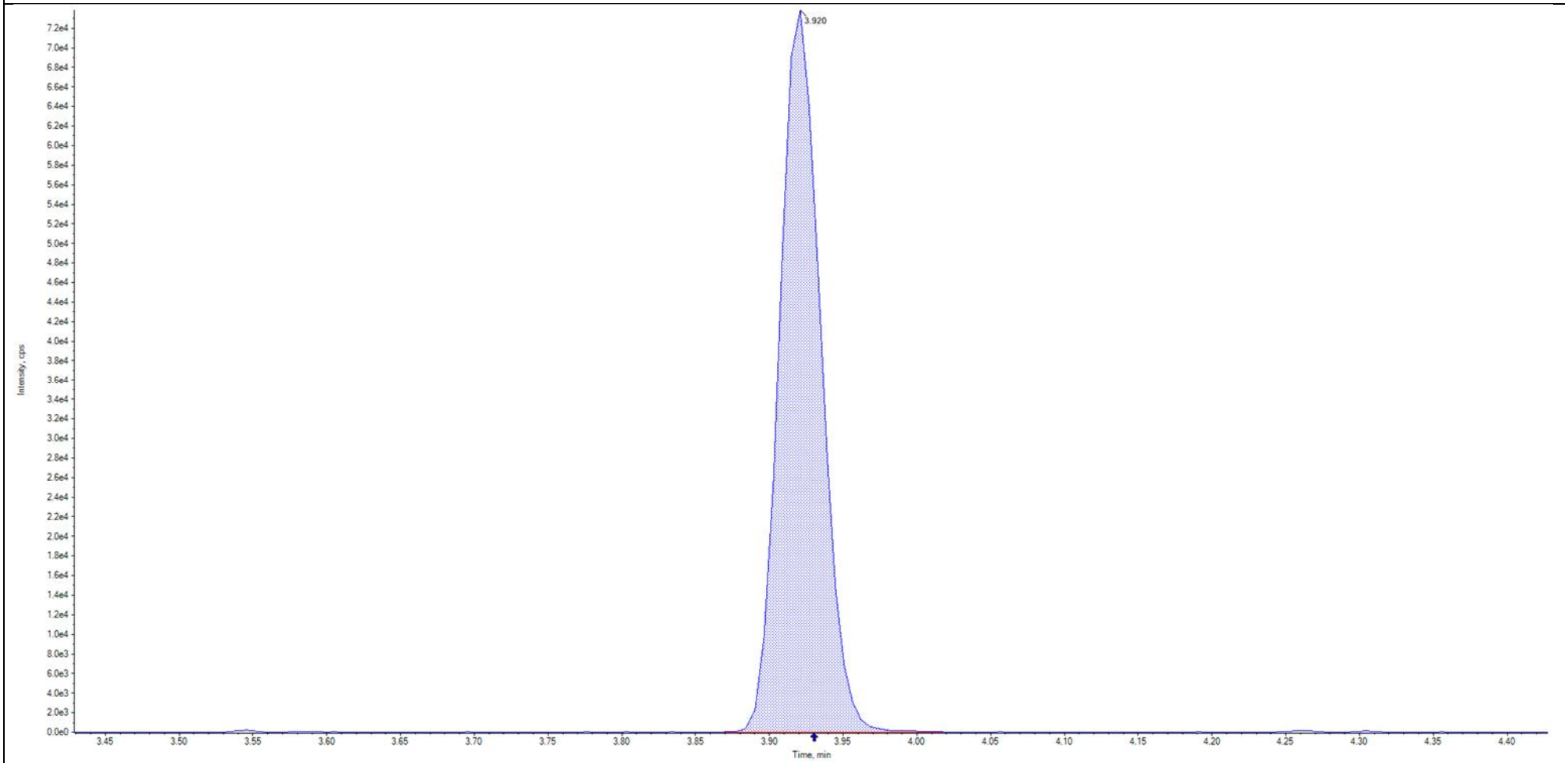
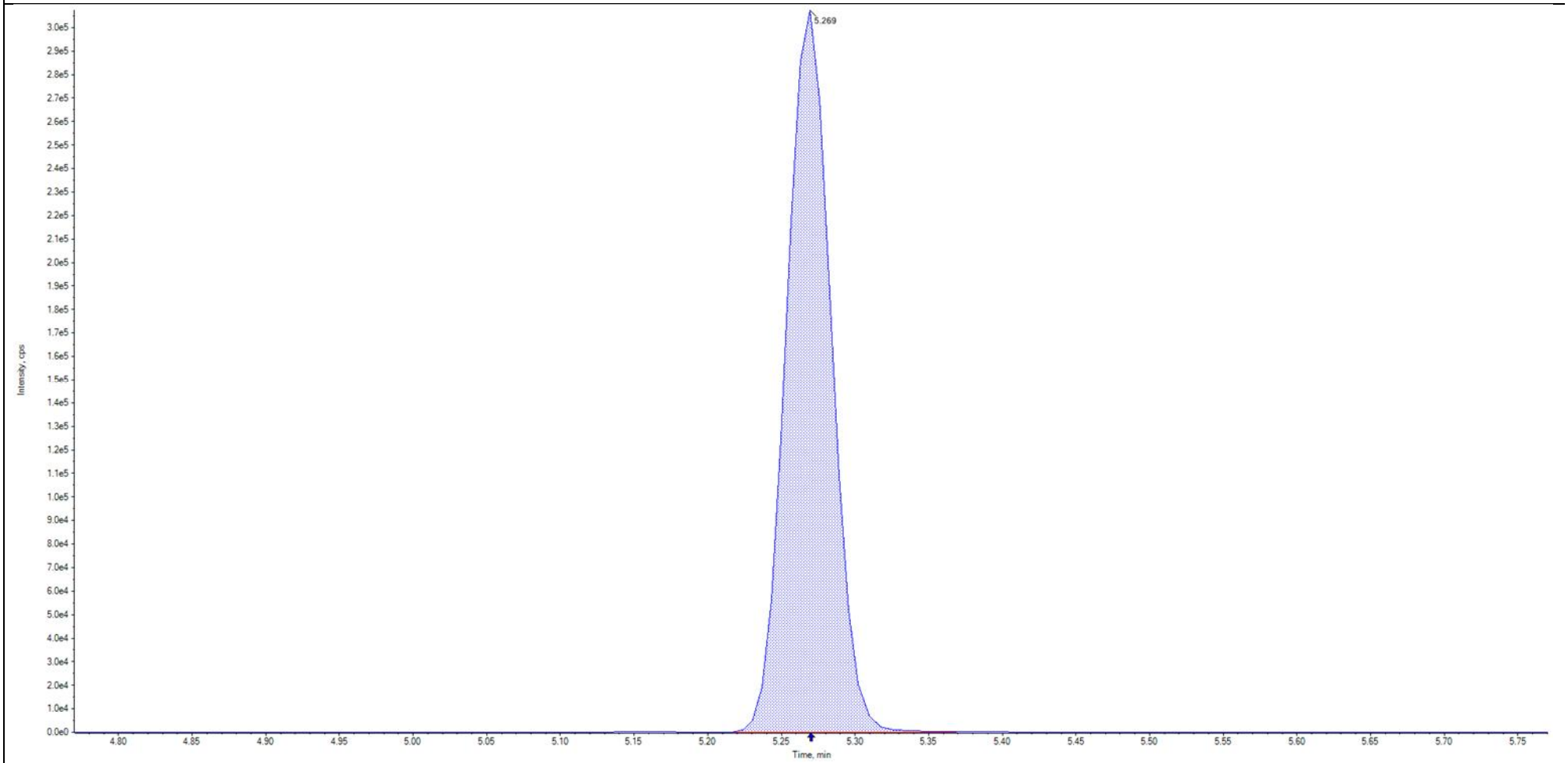


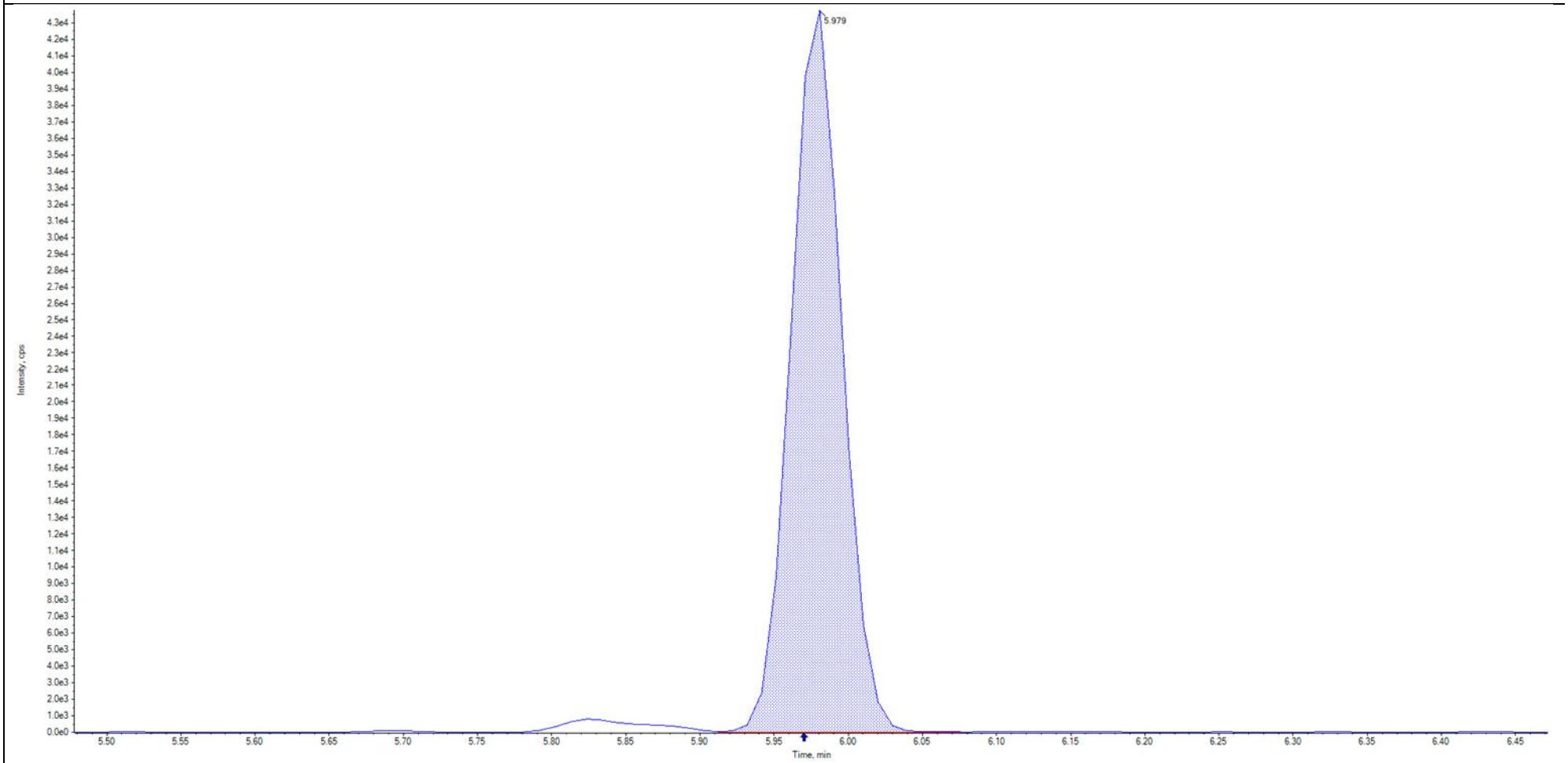
13C2-8:2FTS
Sample: WG1997639-1,BSICS



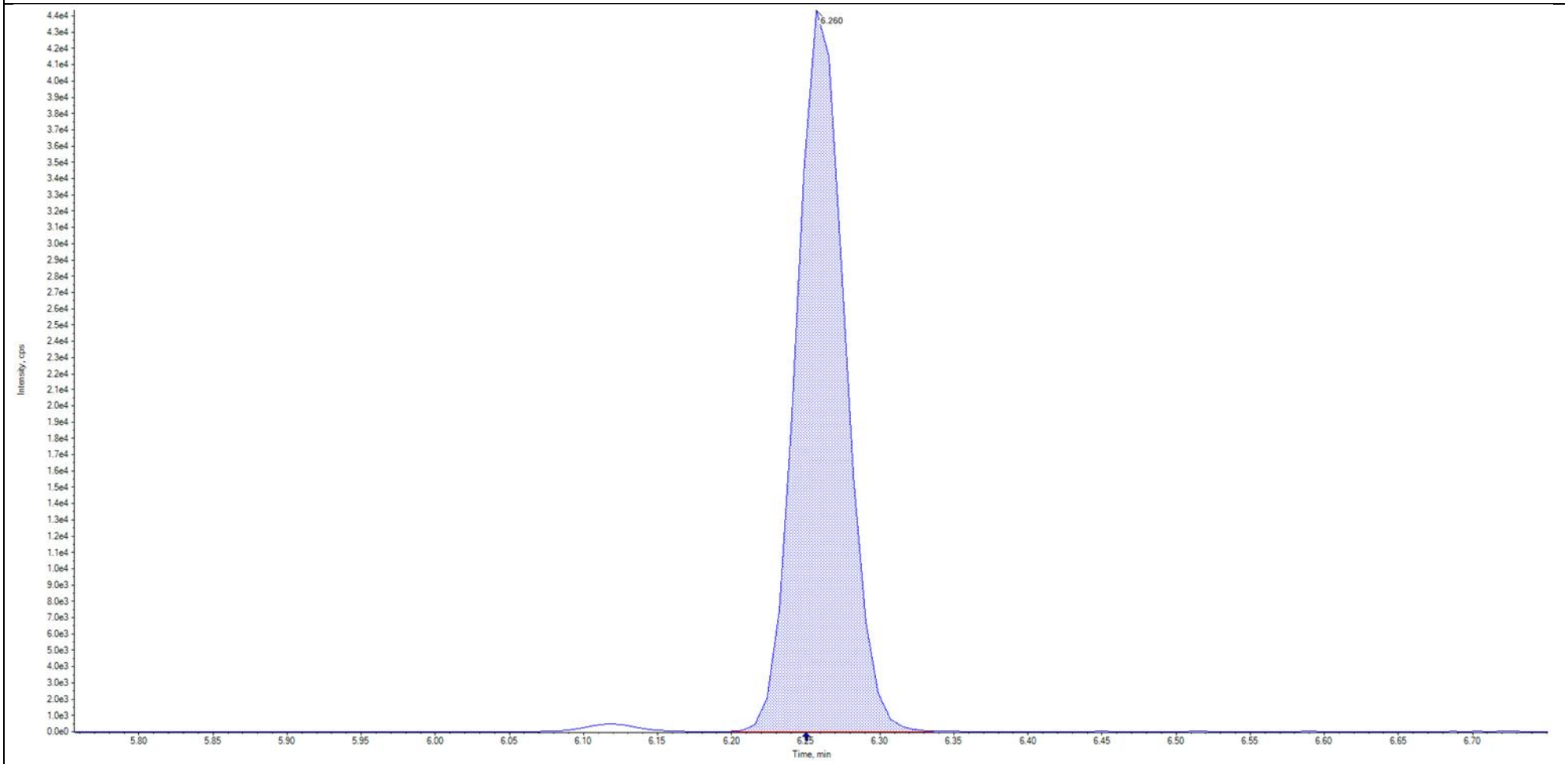
13C8-PFOSA
Sample: WG1997639-1,BSICS



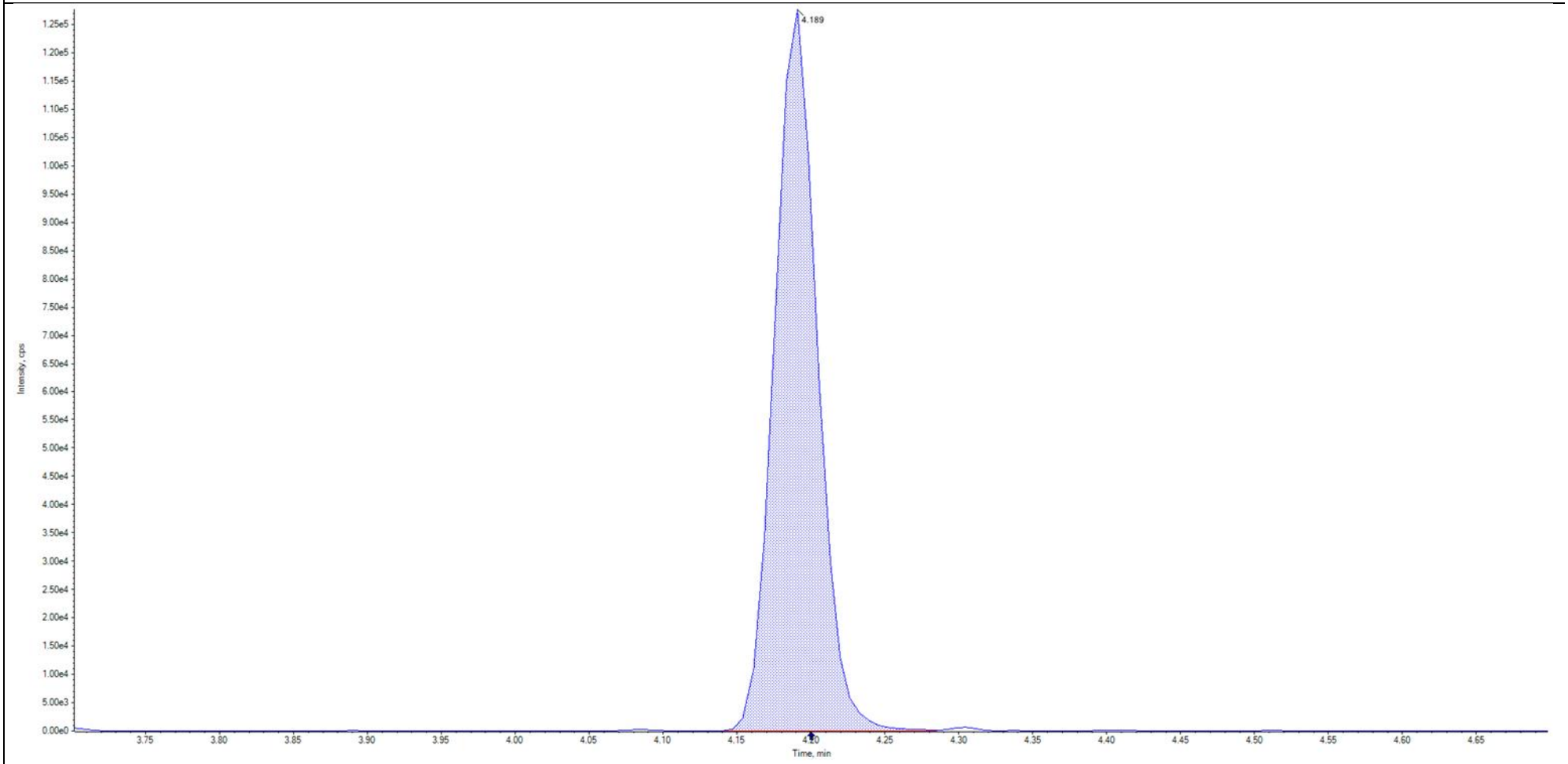
d3-NMeFOSA
Sample: WG1997639-1,BSICS



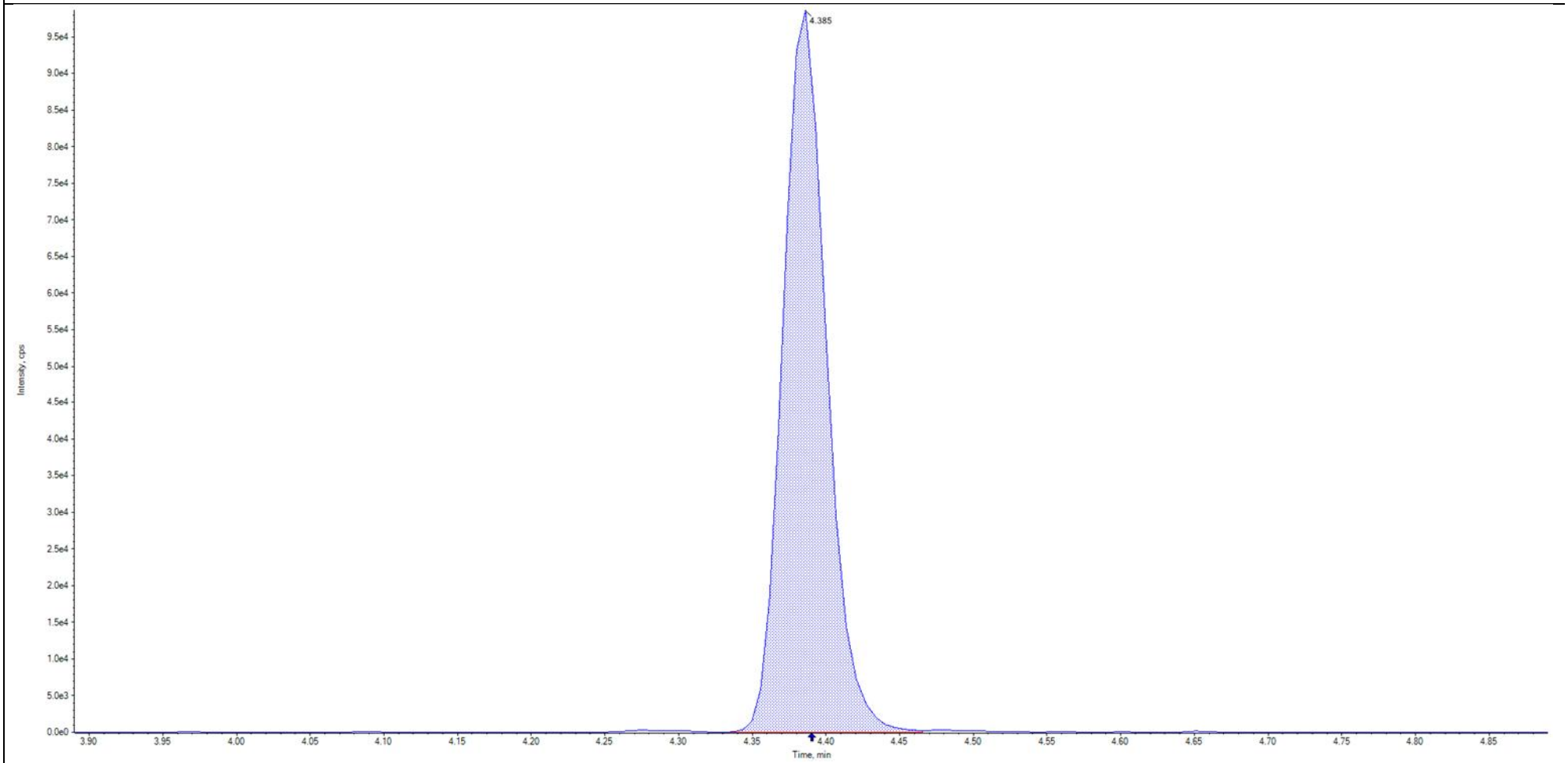
d5-NEtFOSA
Sample: WG1997639-1,BSICS



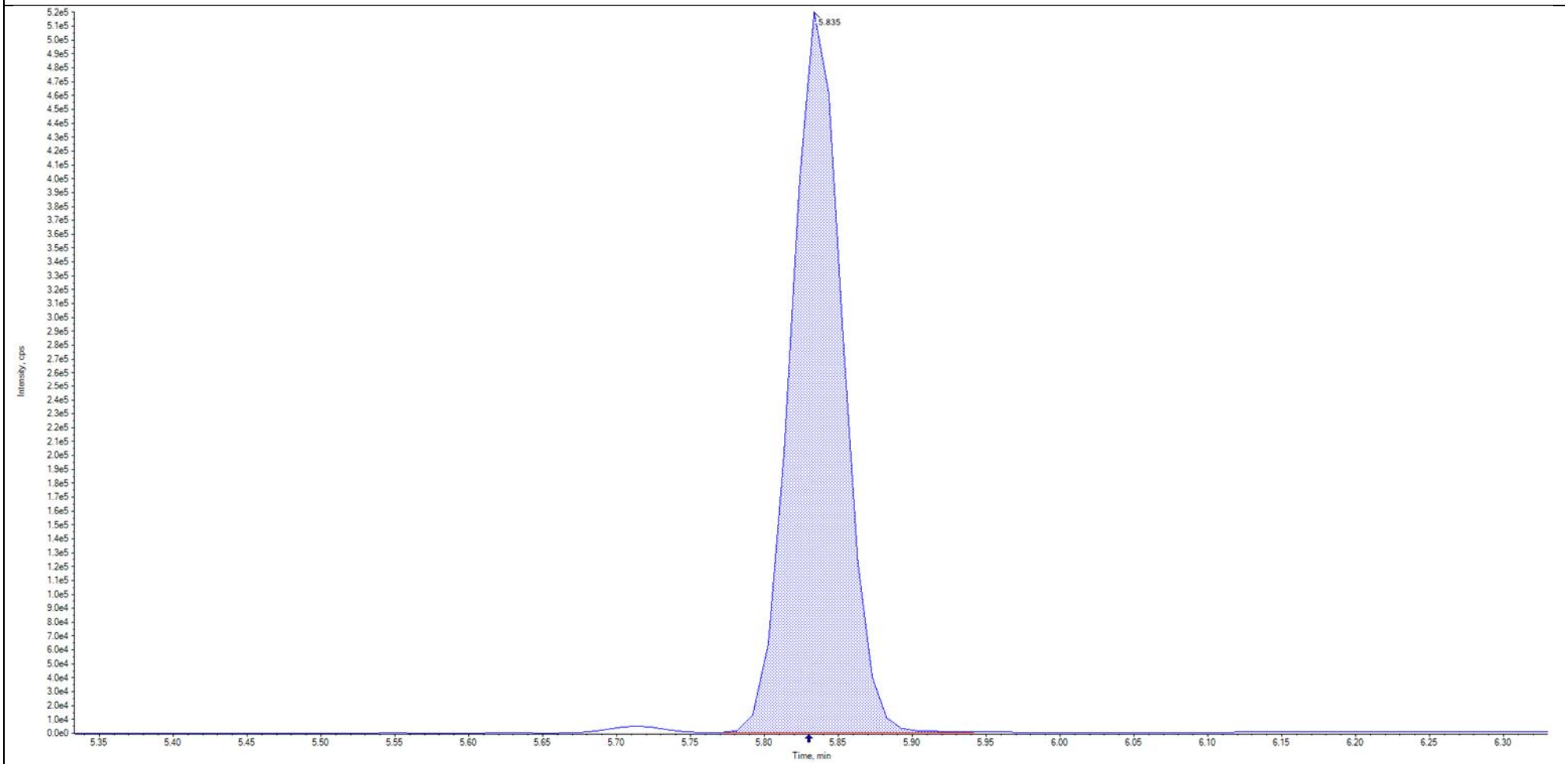
d3-NMeFOSAA
Sample: WG1997639-1,BSICS



d5-NEtFOSAA
Sample: WG1997639-1,BSICS



d7-NMeFOSE
Sample: WG1997639-1,BSICS



d9-NEtFOSE
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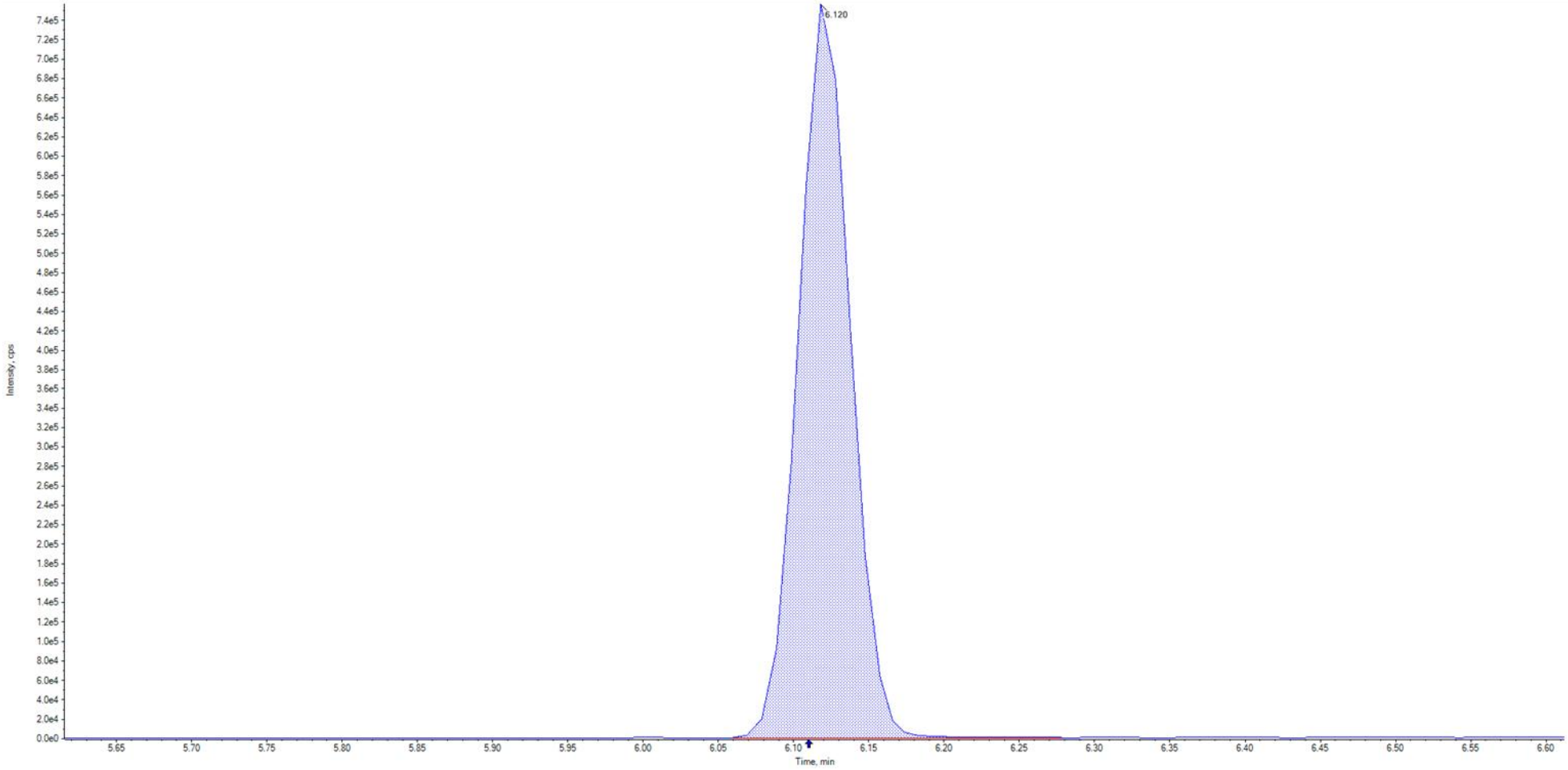
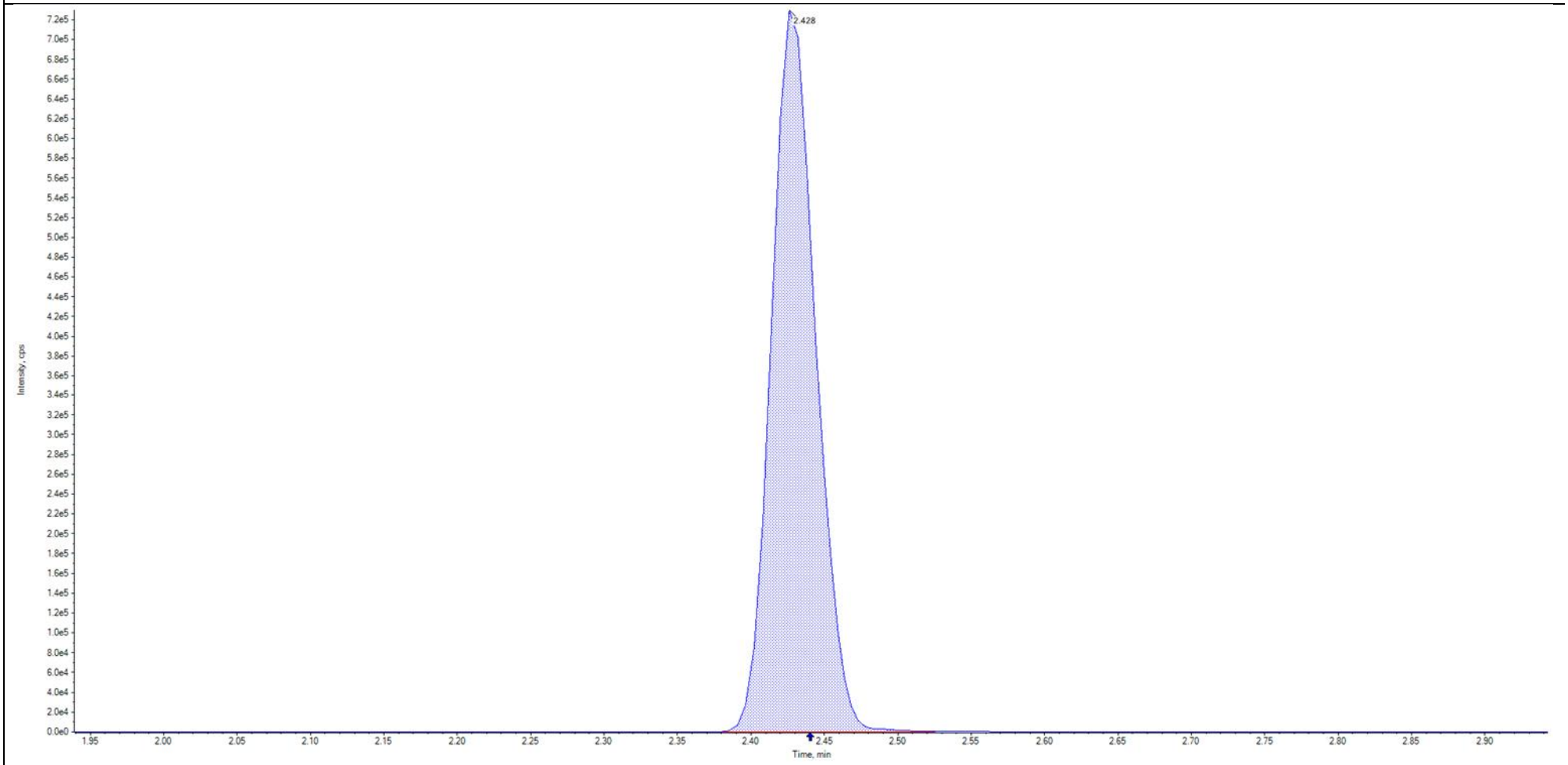
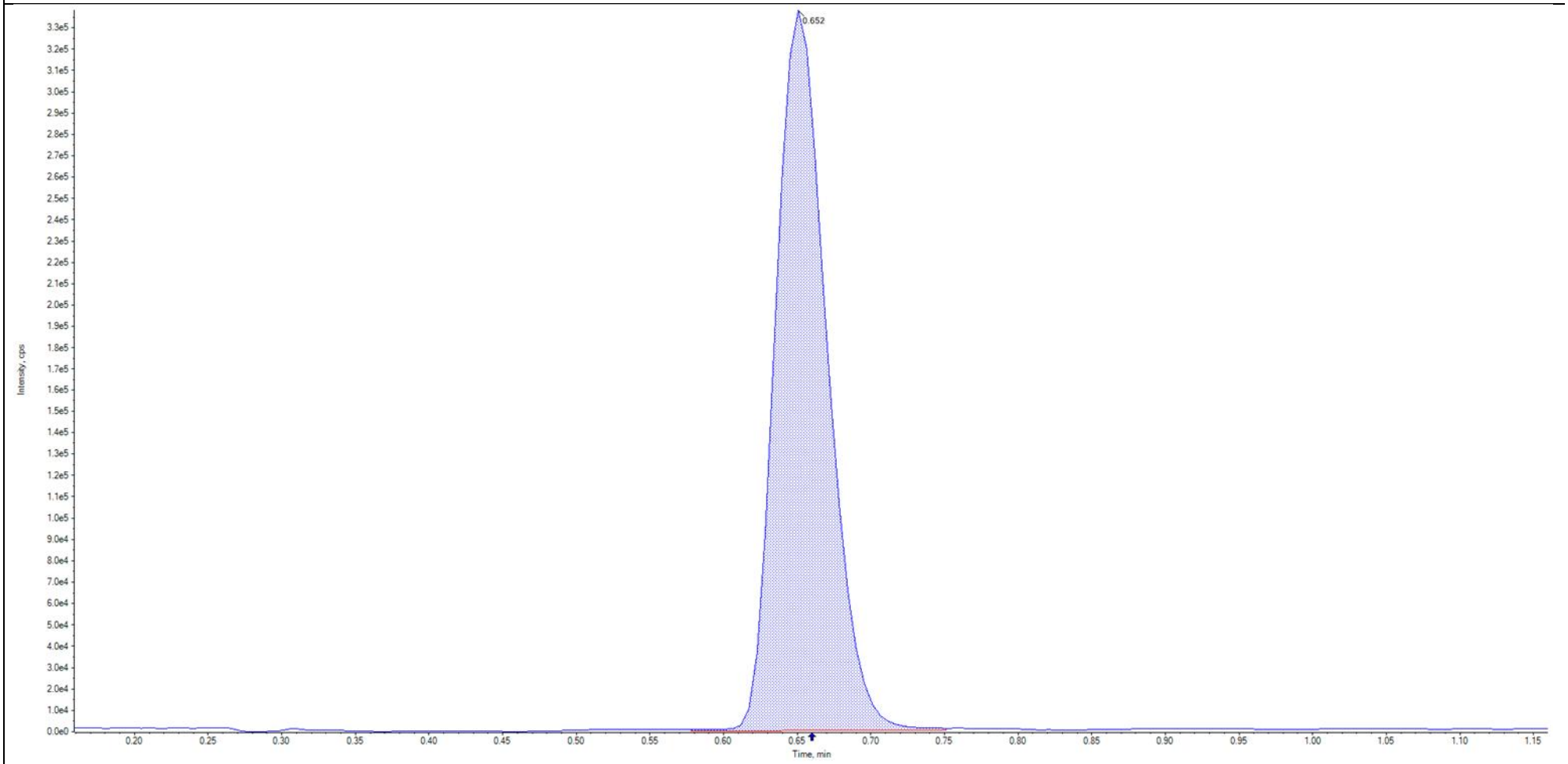


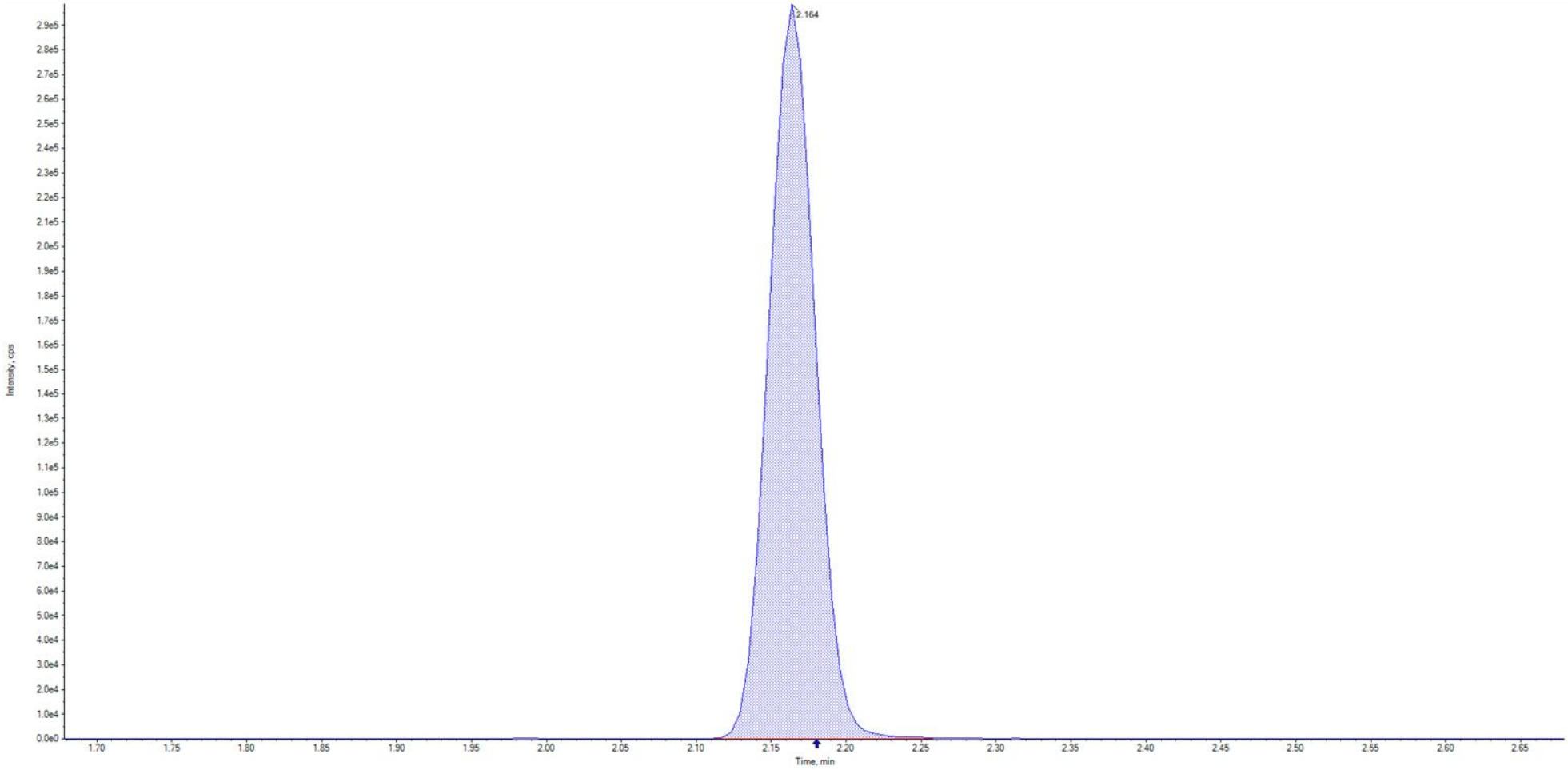
13C3-HFPO-DA
Sample: WG1997639-1,BSICS



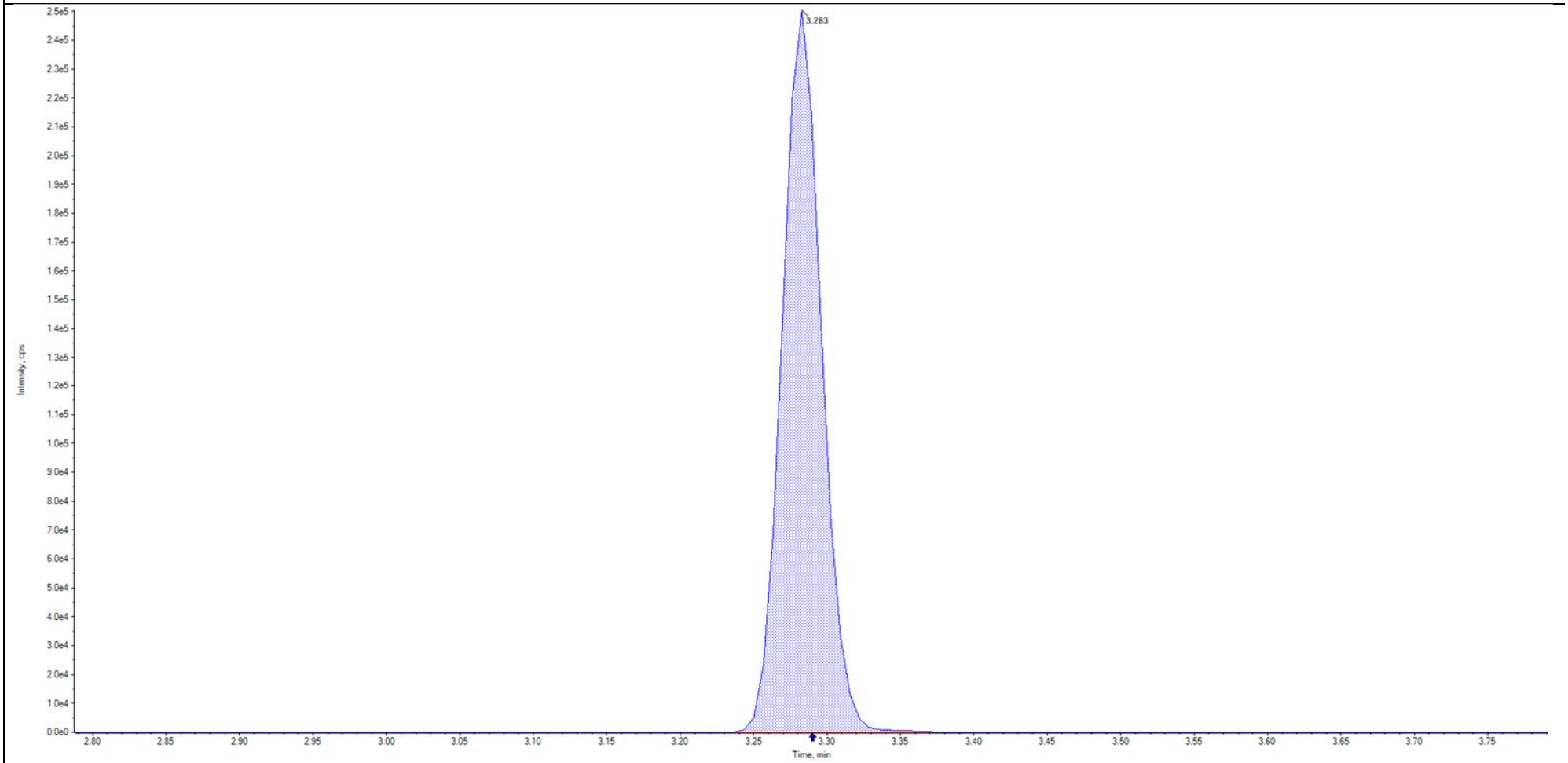
13C3-PFBA
Sample: WG1997639-1,BSICS



13C2-PFHxA
Sample: WG1997639-1,BSICS



13C4-PFOA
Sample: WG1997639-1,BSICS



13C5-PFNA
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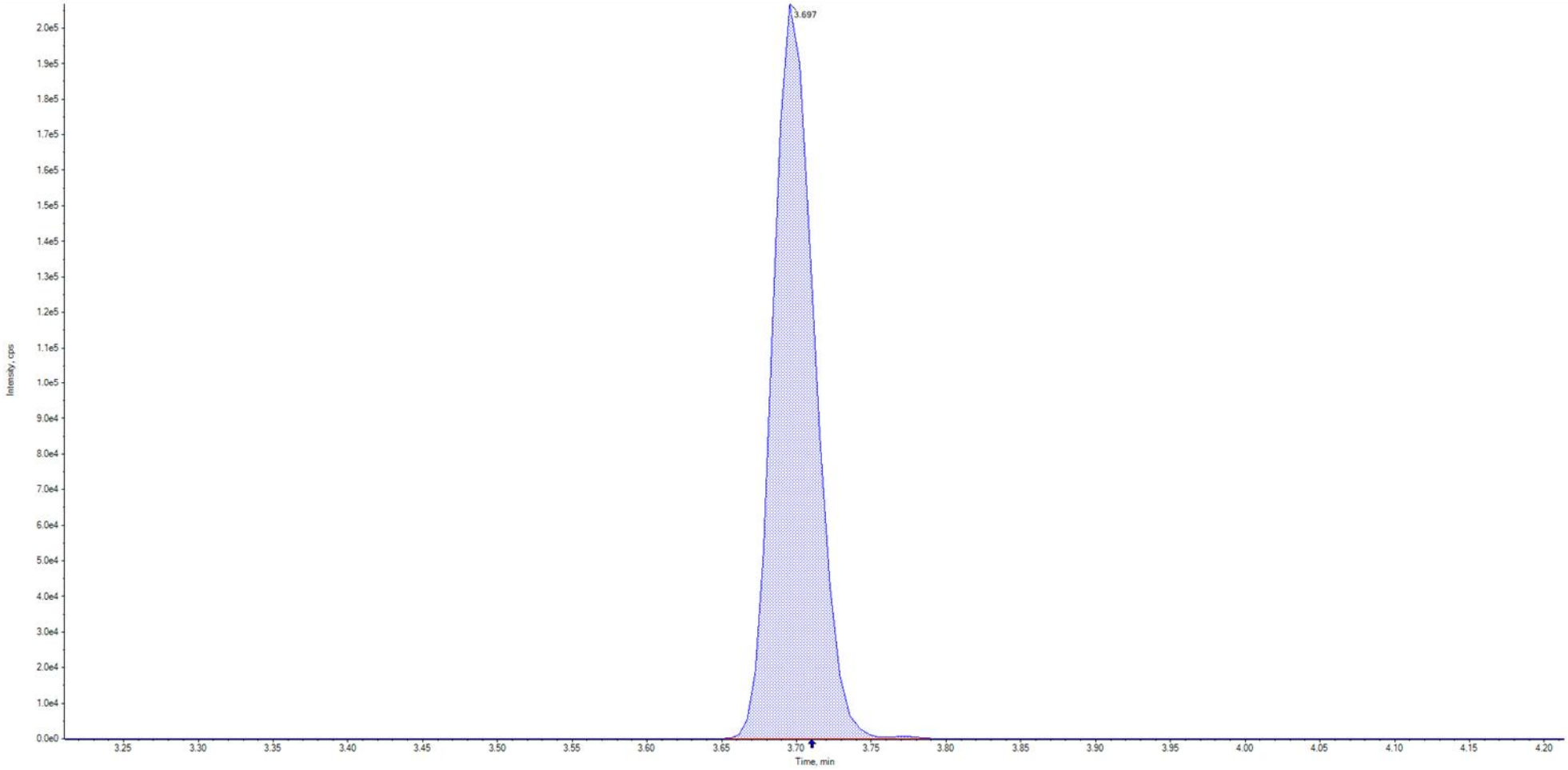
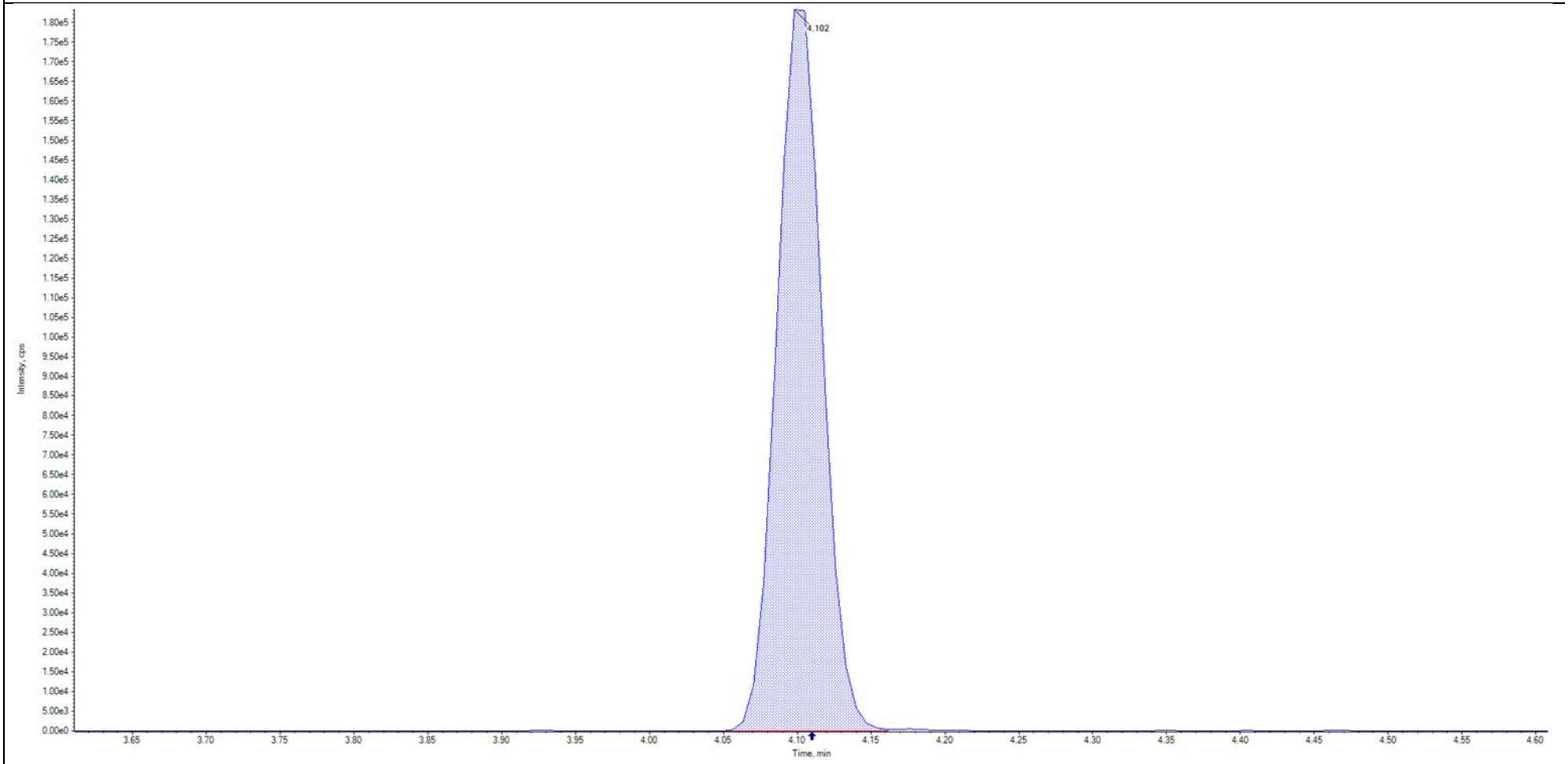
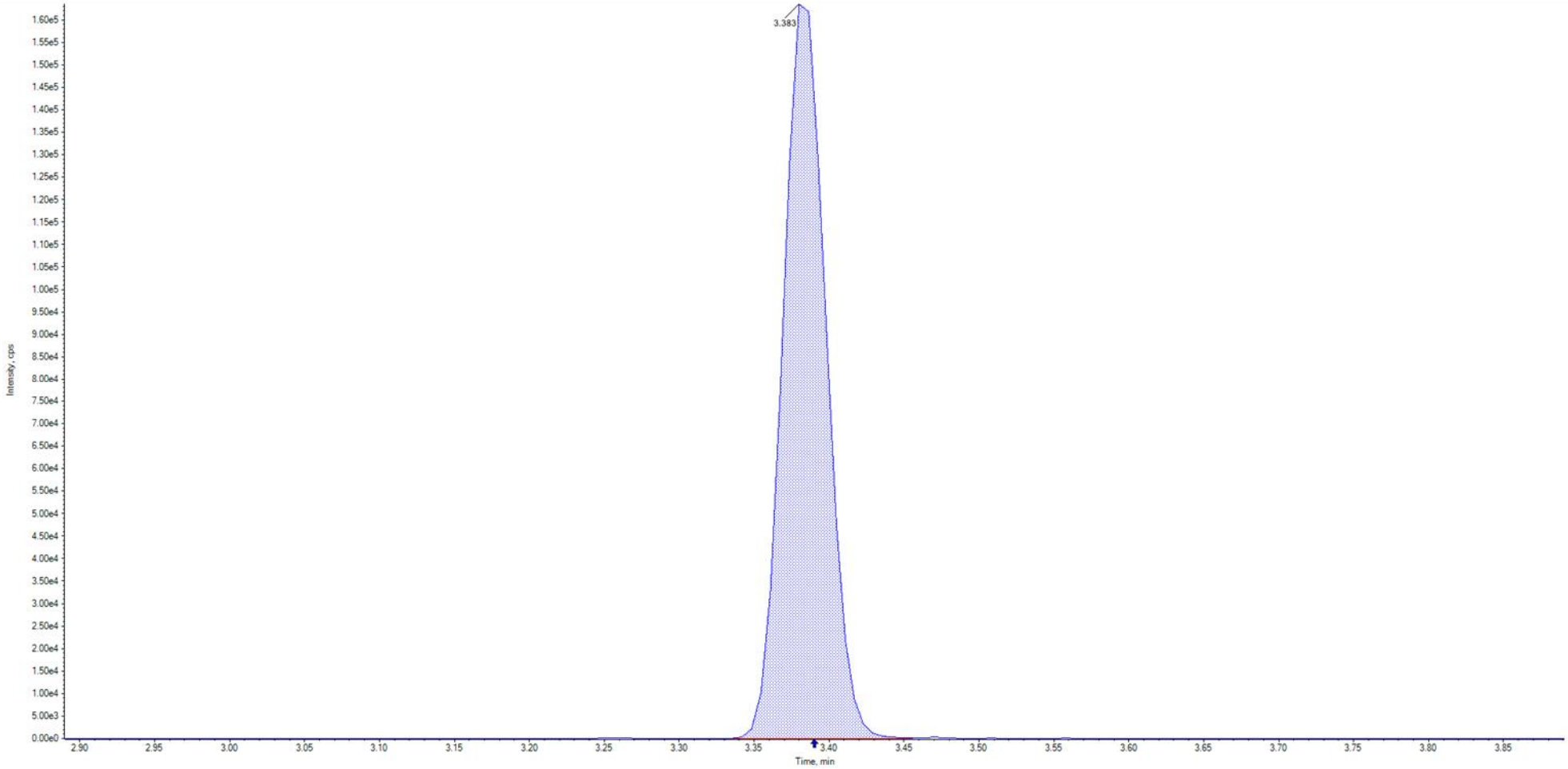


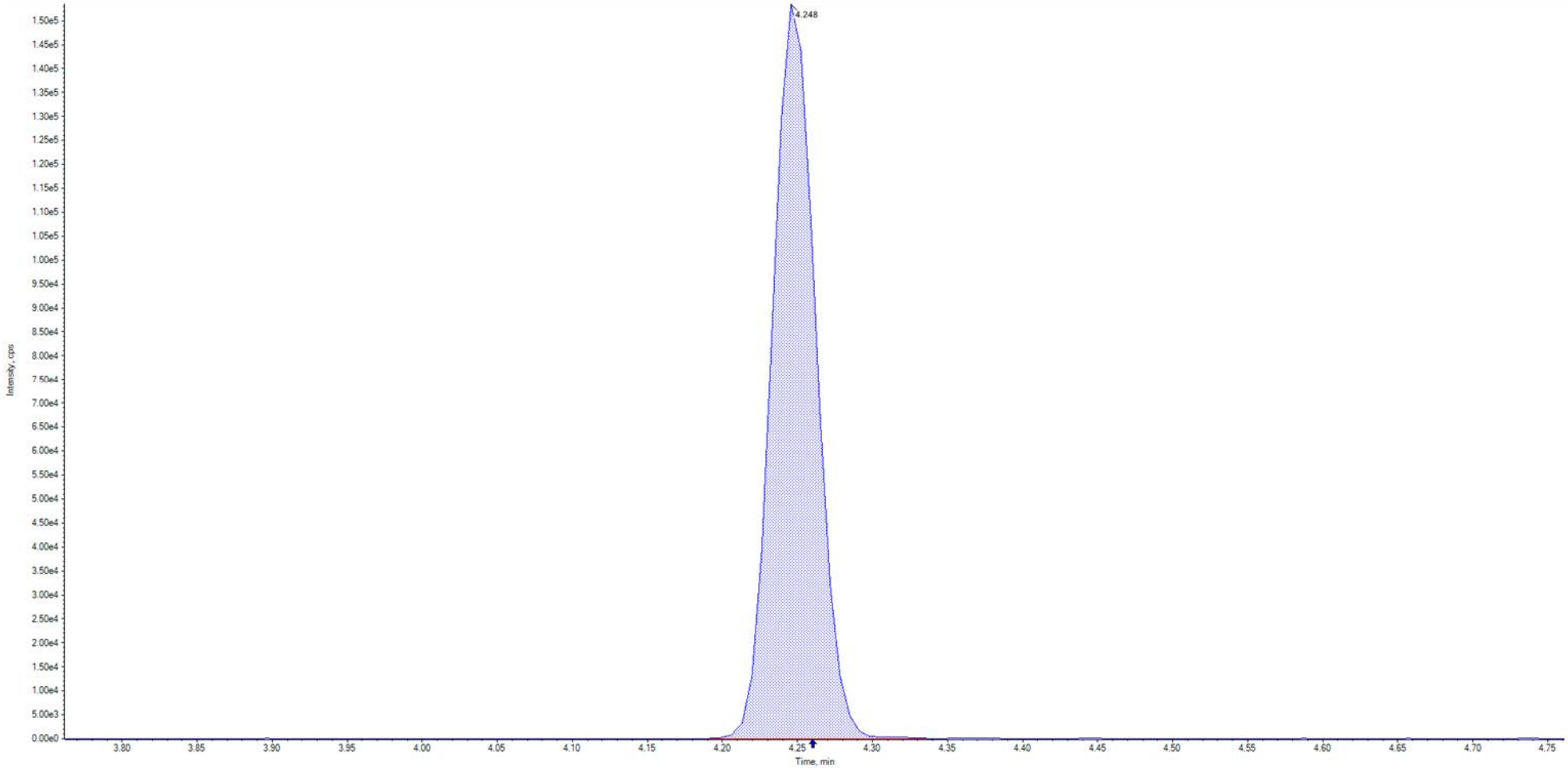
13C2-PFDA
Sample: WG1997639-1,BSICS



18O2-PFHxS
Sample: WG1997639-1,BSICS



13C4-PFOS
Sample: WG1997639-1,BSICS



Alpha Analytical LLC
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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Method: EPA1633F.qmethod
Calibration: 241115_EPA1633_ICAL

ID: WG1997639-2,INSTBLANK
Name: SCI05_241115_16.wiff2
Date & Time: 2024-11-15T14:23:48
Description: WG1997639,
Instrument: SCIEX Triple Quad 5500+
User: LCMS05:PNB

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	N/A	213.0 / 169.0	N/A		N/A	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	N/A	263.0 / 219.0	N/A		N/A	N/A	N/A	N/A	N/A
3	PFPeA_2	2706-90-3	N/A	263.0 / 68.9	N/A		N/A	N/A	N/A	N/A	N/A
4	PFHxA	307-24-4	N/A	313.0 / 269.0	N/A		N/A	N/A	0.089	N/A	N/A
5	PFHxA_2	307-24-4	N/A	313.0 / 119.0	N/A		N/A	N/A	0.089	N/A	N/A
6	PFHpA	375-85-9	N/A	363.1 / 319.0	N/A		N/A	N/A	0.332	N/A	N/A
7	PFHpA_2	375-85-9	N/A	363.1 / 169.0	N/A		N/A	N/A	0.332	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	0.369	N/A	N/A
9	PFOA_2	335-67-1	N/A	413.1 / 169.0	N/A		N/A	N/A	0.369	N/A	N/A
10	PFNA	375-95-1	N/A	462.8 / 418.9	N/A		N/A	N/A	0.303	N/A	N/A
11	PFNA_2	375-95-1	N/A	462.8 / 219.0	N/A		N/A	N/A	0.303	N/A	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.162	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.162	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.199	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.199	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.180	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.180	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.160	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.160	N/A	N/A
20	PFTeDA	376-06-7	5.67	713.1 / 669.1	5094		0.022	0.099	0.149	Pass	N/A
21	PFTeDA_2	376-06-7	5.68	713.1 / 169.0	504		0.015	0.099	0.149	Pass	N/A
22	PFBS	375-73-5	N/A	299.1 / 80.1	N/A		N/A	N/A	0.388	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	0.388	N/A	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.297	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.297	N/A	N/A
26	PFHxS	355-46-4	N/A	399.1 / 80.1	N/A		N/A	N/A	0.296	N/A	N/A
27	PFHxS_2	355-46-4	N/A	399.1 / 99.1	N/A		N/A	N/A	0.296	N/A	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.258	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.258	N/A	N/A
30	PFOS	1763-23-1	N/A	499.1 / 80.1	N/A		N/A	N/A	0.233	N/A	N/A
31	PFOS_2	1763-23-1	N/A	499.1 / 99.1	N/A		N/A	N/A	0.233	N/A	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.296	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.296	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.272	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.272	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.263	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.263	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.92	327.1 / 307.1	5070		0.087	0.491	0.559	Pass	N/A
39	4:2FTS_2	757124-72-4	1.92	327.1 / 81.1	2489		0.075	0.491	0.559	Pass	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.593	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.593	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.759	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.759	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.023	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.023	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.457	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.457	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.309	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.309	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.804	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.804	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.419	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	0.419	N/A	N/A
54	NMeFOSE	24448-09-7	5.87	616.1 / 58.9	7708	M5	0.067	N/A	N/A	N/A	N/A
55	NEtFOSE	1691-99-2	6.16	630.0 / 58.9	16015		0.080	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	0.685	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.685	N/A	N/A
58	ADONA	919005-14-4	N/A	376.9 / 251.0	N/A		N/A	N/A	0.884	N/A	N/A
59	ADONA_2	919005-14-4	N/A	376.9 / 84.8	N/A		N/A	N/A	0.884	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.325	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.325	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	5.33	630.9 / 451.0	3742		0.015	0.304	0.338	Pass	N/A
63	11Cl-PF3OUdS_2	763051-92-9	5.33	632.9 / 452.9	1137		0.013	0.304	0.338	Pass	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.433	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.433	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	0.935	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	0.935	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	1.712	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.712	N/A	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.084	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.084	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	0.781	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.781	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.150	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.150	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.91	333.2 / 312.1	186519		5.092	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	3.30	415.0 / 370.0	331005		2.312	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.63	217.0 / 172.0	2473874		9.736	NA	NA	NA	97.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.30	268.0 / 223.0	1093731		5.112	NA	NA	NA	102.2
	13C5-PFHxA	EIS	2.16	318.0 / 273.0	442156		2.405	NA	NA	NA	96.2
	13C4-PFHpA	EIS	2.83	367.0 / 322.0	280256		2.220	NA	NA	NA	88.8
	13C8-PFOA	EIS	3.30	420.8 / 376.0	1092546		2.672	NA	NA	NA	106.9
	13C9-PFNA	EIS	3.71	472.0 / 427.0	410437		1.106	NA	NA	NA	88.5
	13C6-PFDA	EIS	4.12	519.0 / 474.0	500170		1.303	NA	NA	NA	104.2
	13C7-PFUnA	EIS	4.51	570.0 / 525.0	365272		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	4.90	615.1 / 570.0	285059		1.033	NA	NA	NA	82.6
	13C2-PFTeDA	EIS	5.66	715.1 / 670.1	253400		1.025	NA	NA	NA	82.0
	13C3-PFBS	EIS	2.14	302.1 / 80.1	458273		2.369	NA	NA	NA	101.7
	13C3-PFHxS	EIS	3.40	402.1 / 80.1	390655		2.330	NA	NA	NA	98.3
	13C8-PFOS	EIS	4.26	507.1 / 80.1	420778		2.479	NA	NA	NA	103.3
	13C2-4:2FTS	EIS	1.92	329.1 / 81.1	149593		4.660	NA	NA	NA	99.4
	13C2-6:2FTS	EIS	3.12	429.2 / 81.1	127662		4.304	NA	NA	NA	90.4
	13C2-8:2FTS	EIS	3.93	529.2 / 81.1	108990		4.089	NA	NA	NA	85.2

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.28	506.1 / 78.1	683125		2.525	NA	NA	NA	101.0
d3-NMeFOSA	EIS	5.99	515.2 / 219.0	96870		2.434	NA	NA	NA	97.4
d5-NEtFOSA	EIS	6.27	531.2 / 219.0	92990		2.507	NA	NA	NA	100.3
d3-NMeFOSAA	EIS	4.20	573.2 / 419.1	170018		4.059	NA	NA	NA	81.2
d5-NEtFOSAA	EIS	4.40	589.3 / 419.1	190209		4.722	NA	NA	NA	94.4
d7-NMeFOSE	EIS	5.85	623.2 / 58.9	1113982		23.681	NA	NA	NA	94.7
d9-NEtFOSE	EIS	6.13	639.2 / 58.9	1745304		25.604	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	2.43	287.0 / 169.0	1175637		8.775	NA	NA	NA	87.8
	13C3-PFBA	NIS	0.63	216.0 / 172.0	1130349		5.714	NA	NA	NA	114.3
	13C2-PFHxA	NIS	2.16	315.0 / 270.0	642856		2.445	NA	NA	NA	97.8
	13C4-PFOA	NIS	3.29	417.0 / 372.0	402626		2.324	NA	NA	NA	92.9
	13C5-PFNA	NIS	3.71	468.0 / 423.0	418599		1.345	NA	NA	NA	107.6
	13C2-PFDA	NIS	4.11	515.1 / 470.1	446442		1.409	NA	NA	NA	112.7
	18O2-PFHxS	NIS	3.39	403.1 / 84.1	339615		2.403	NA	NA	NA	101.4
	13C4-PFOS	NIS	4.26	503.1 / 80.1	294772		2.381	NA	NA	NA	99.2

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

PFBA
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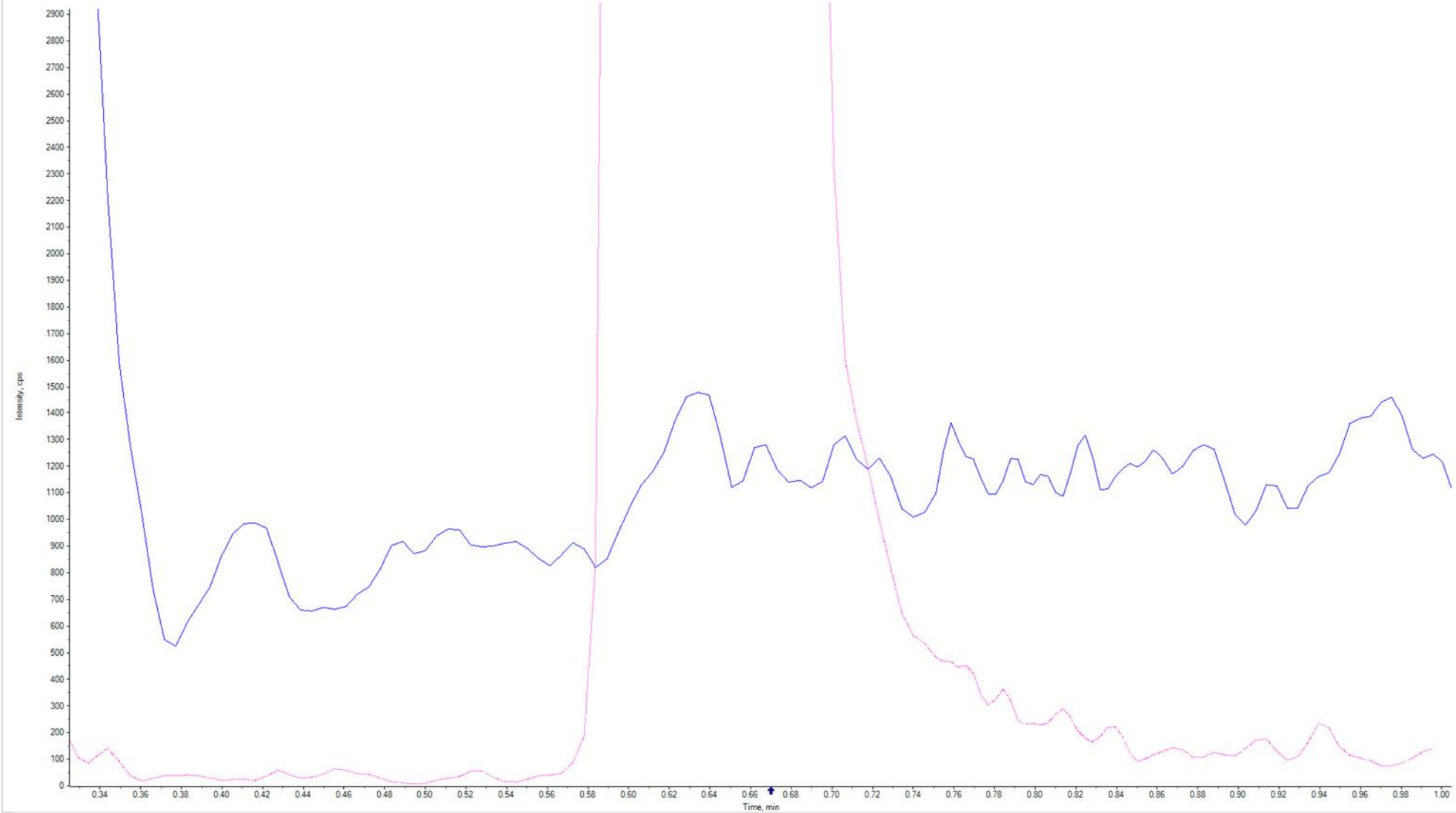

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PFPeA
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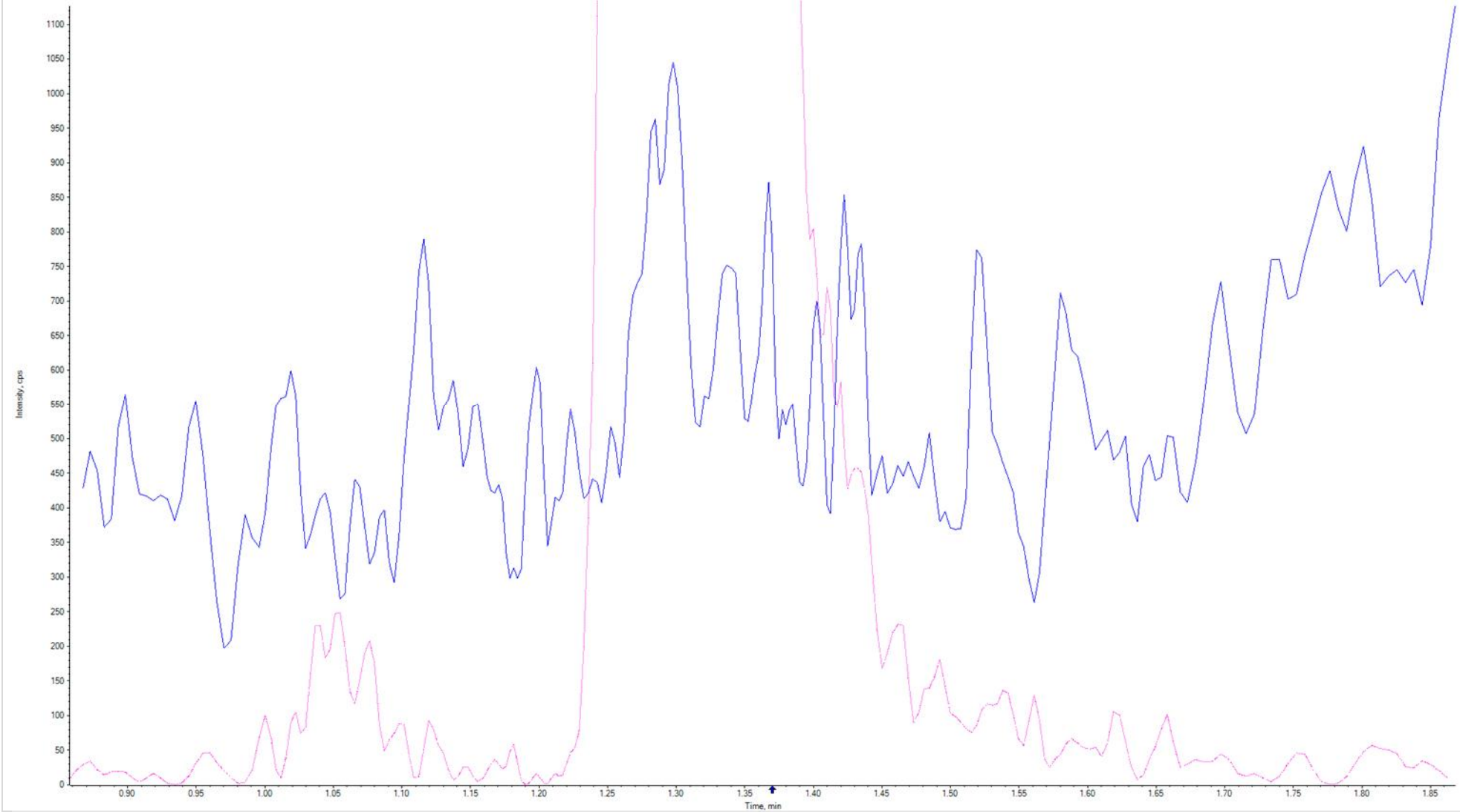

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PFPeA_2
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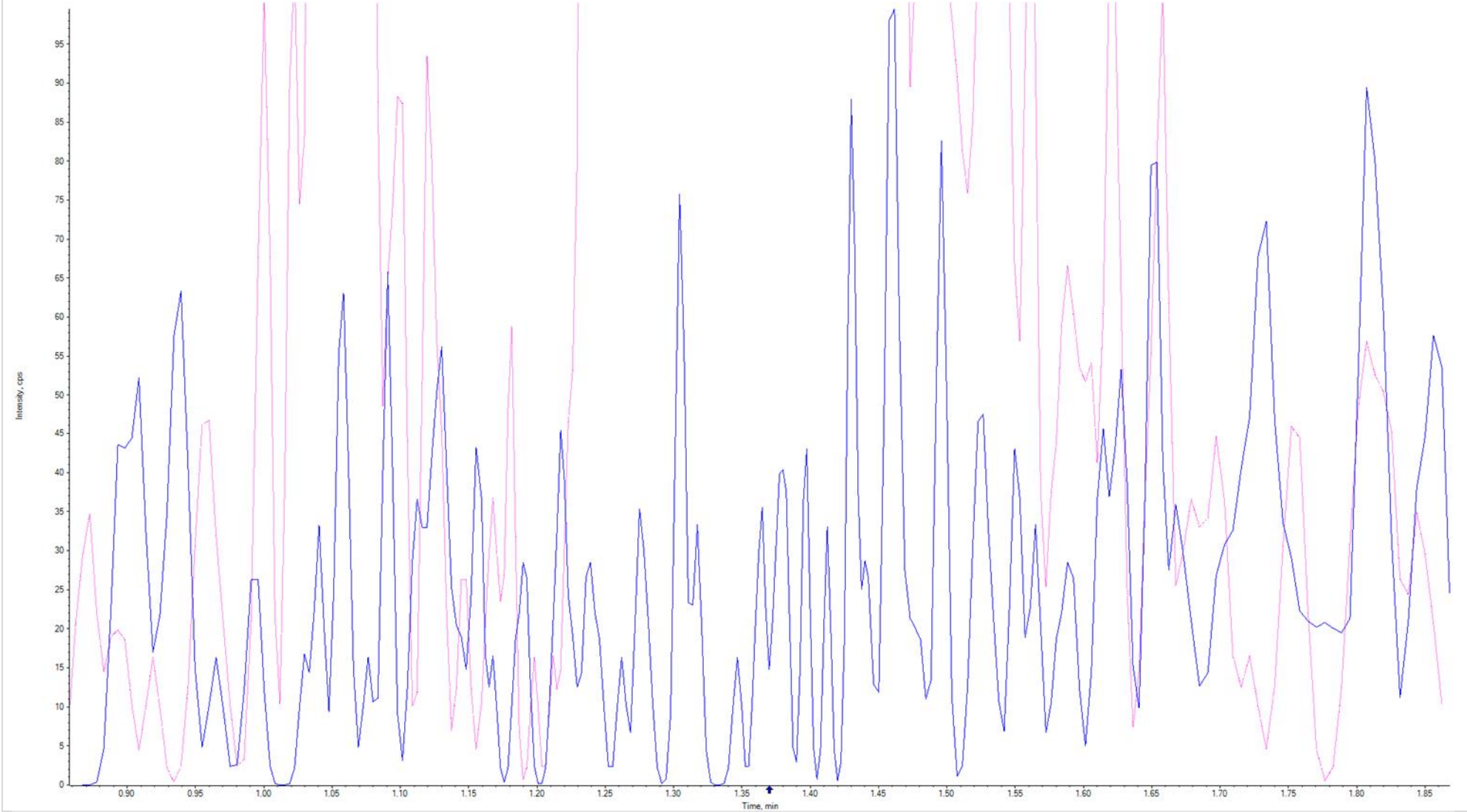

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PFHxA
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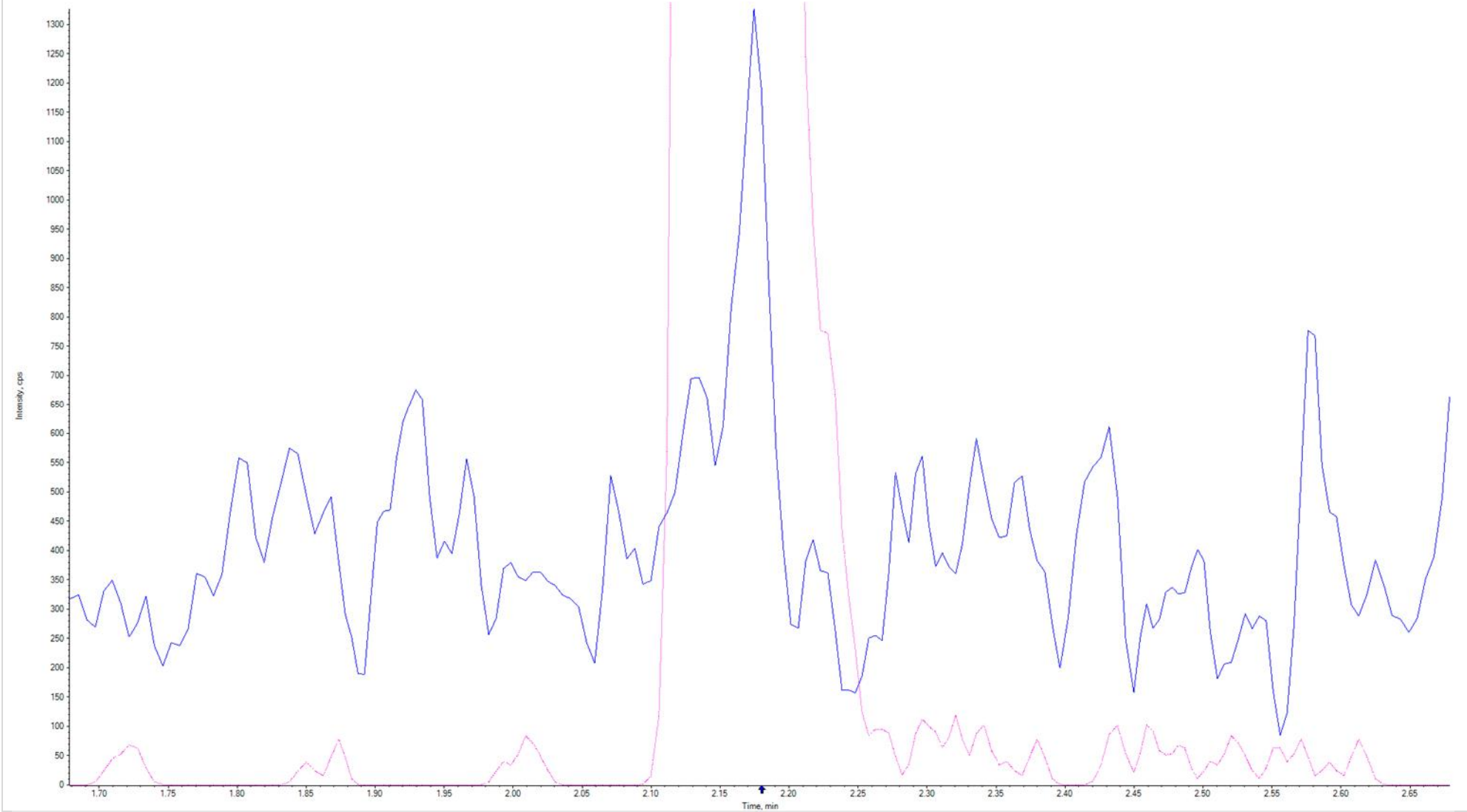

PFHxA_2
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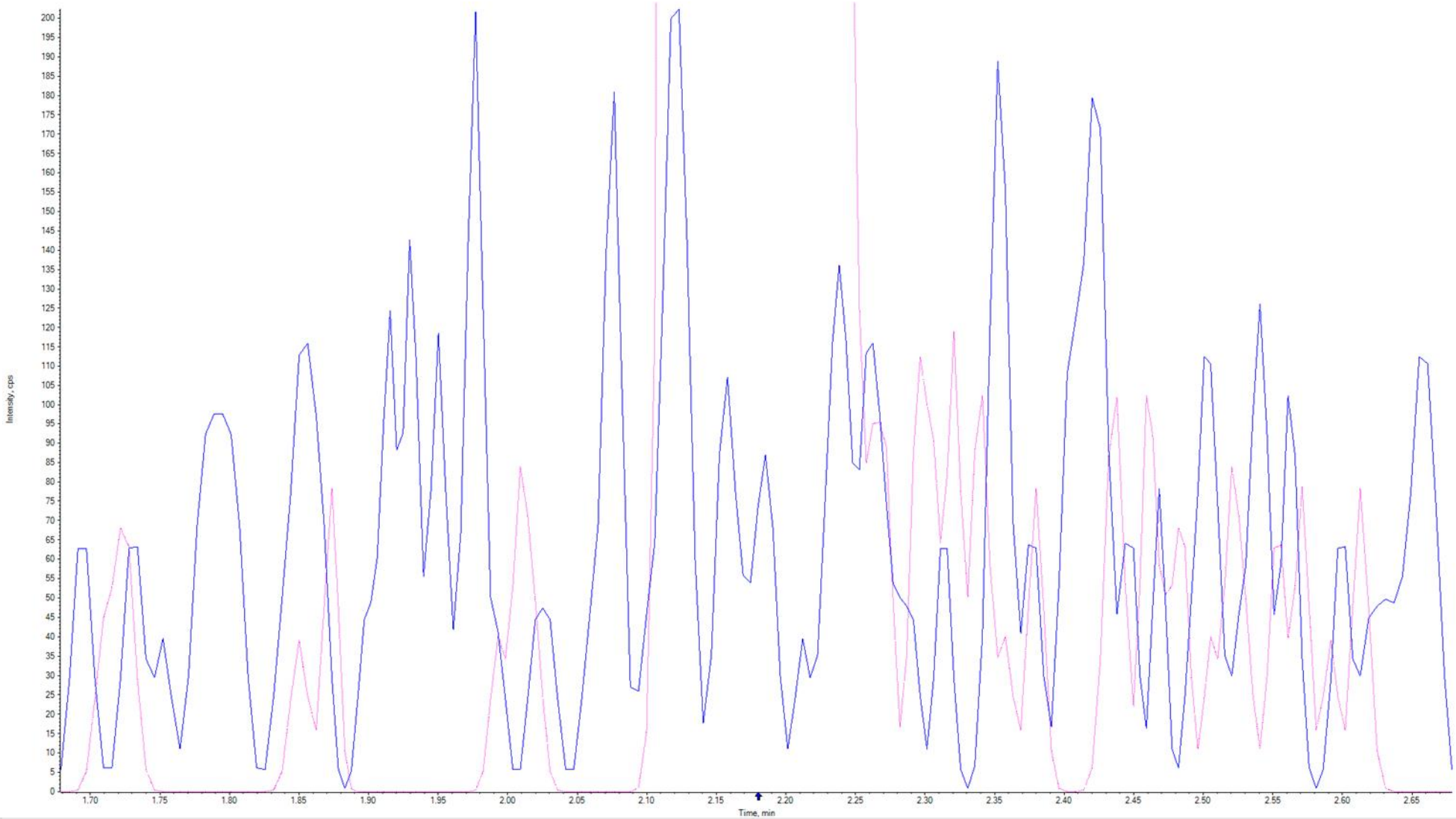

PFHpA
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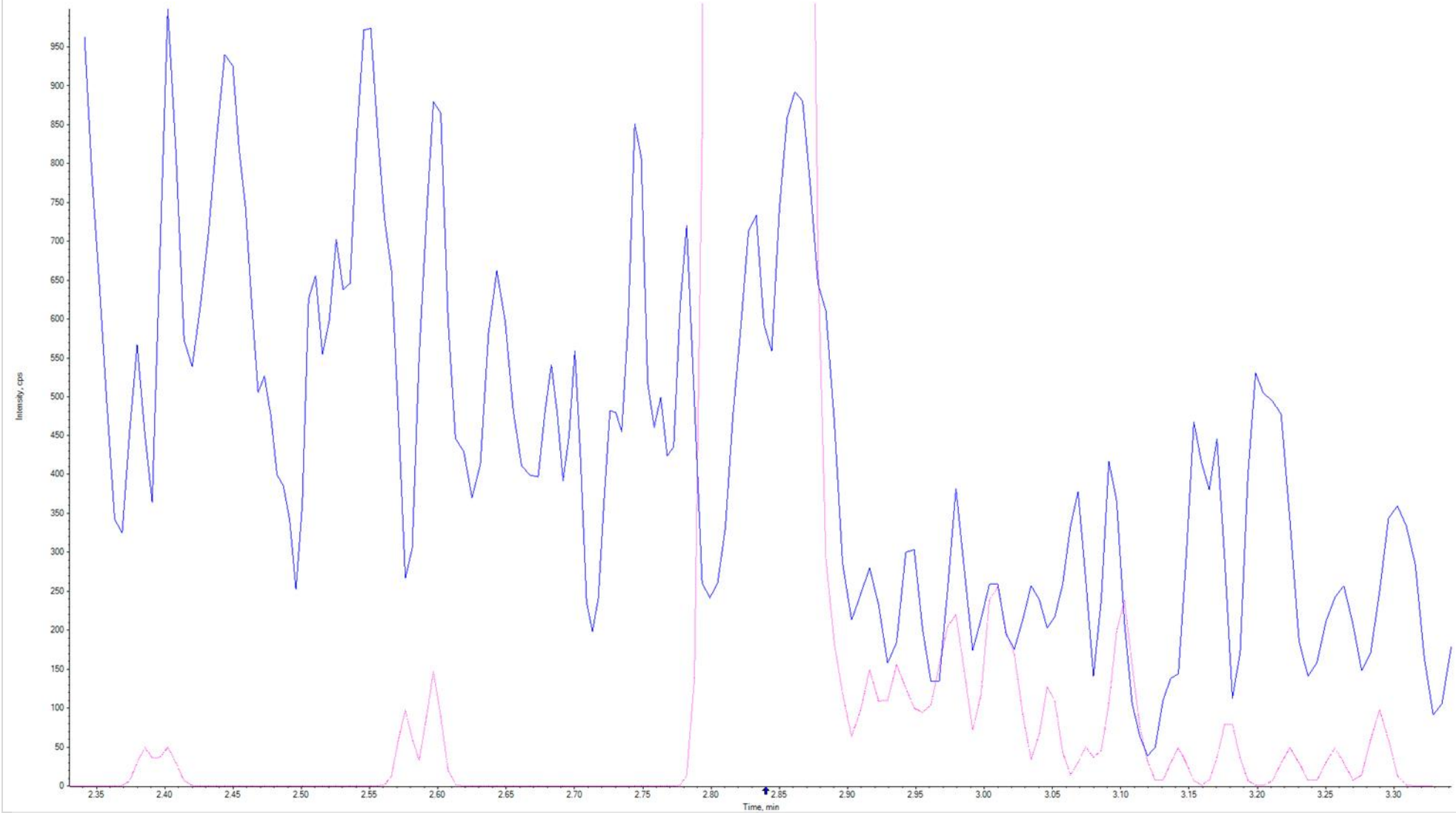

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PFHpA_2
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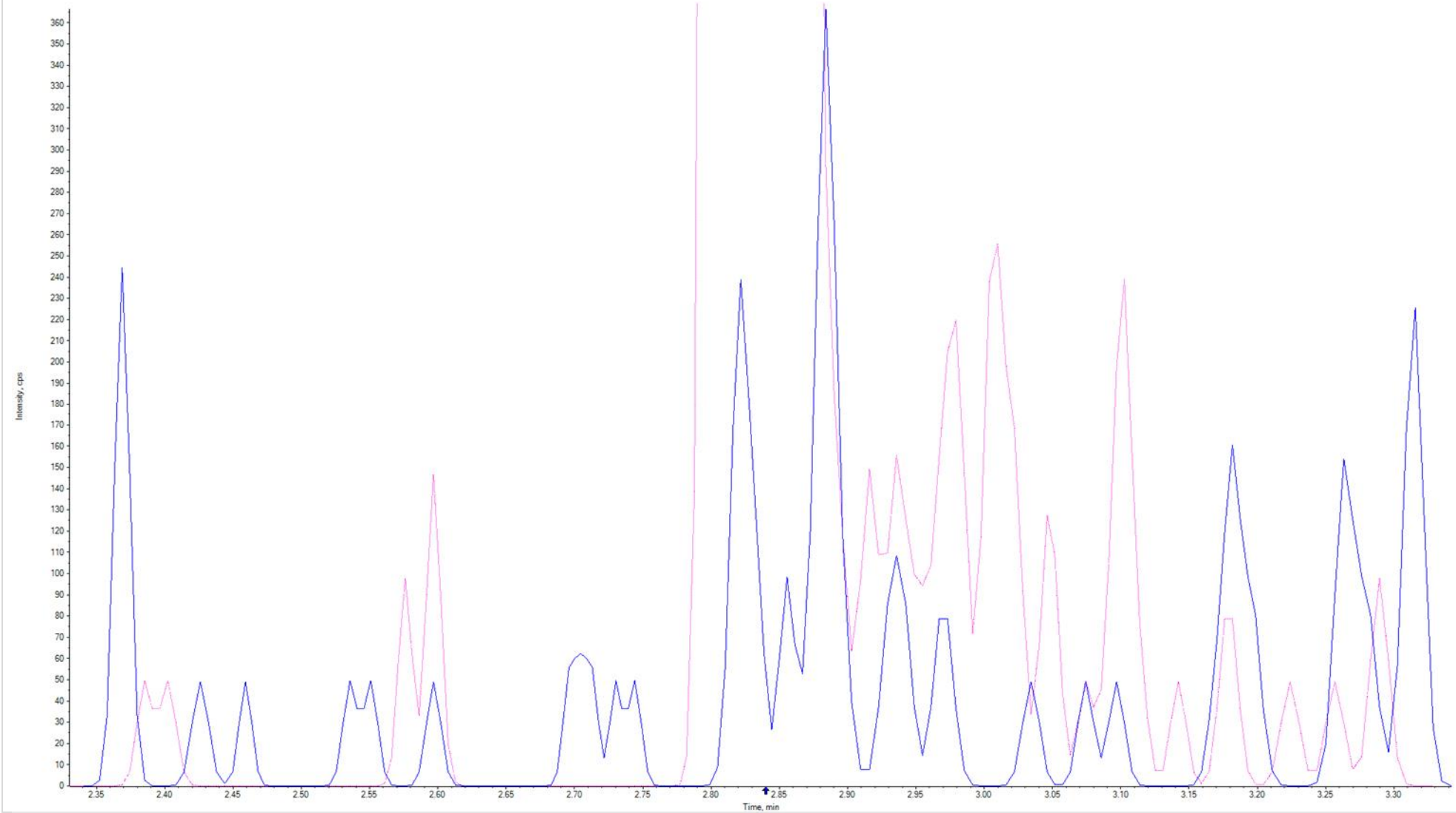

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PFOA
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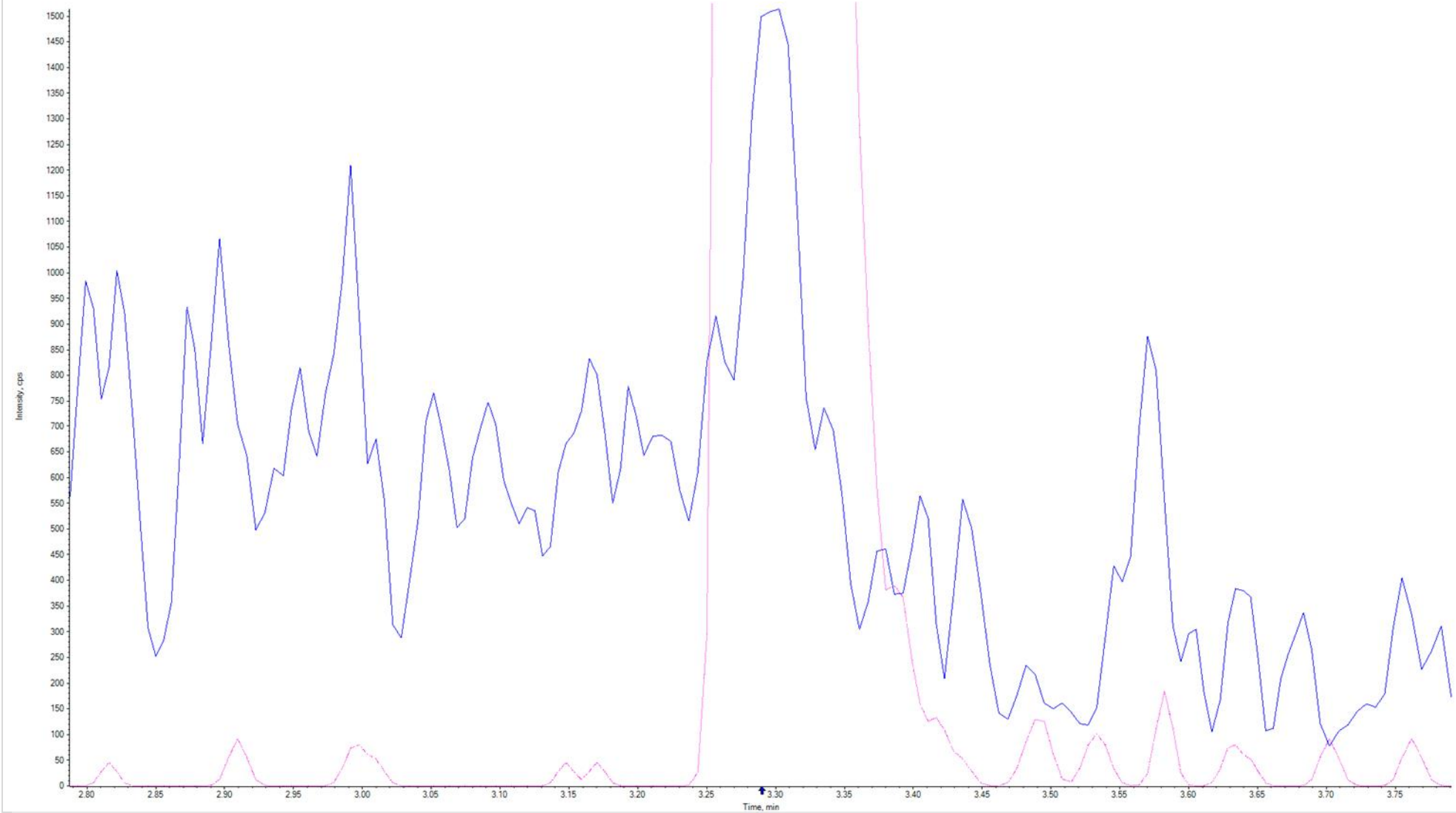

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PFOA_2
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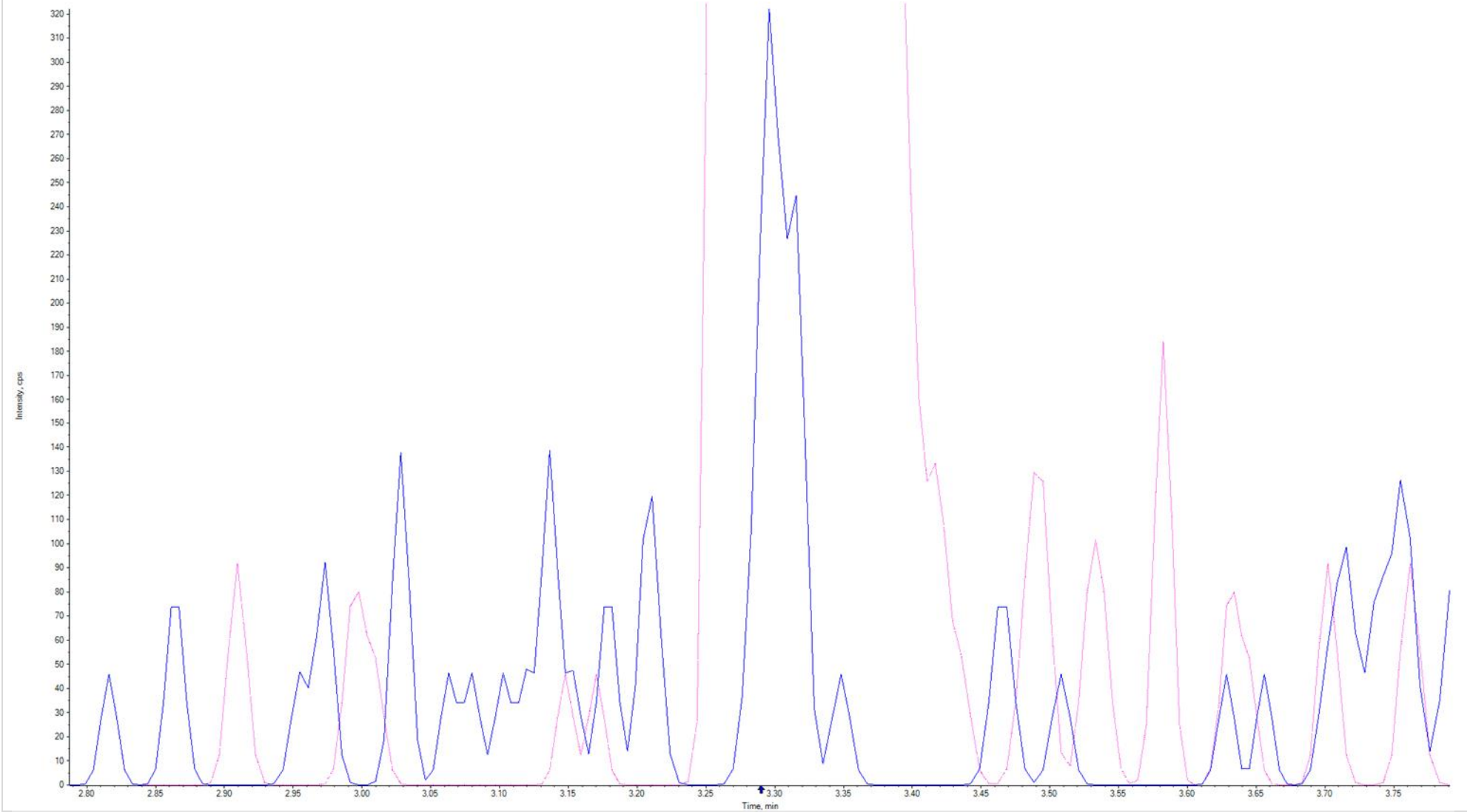

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PFNA
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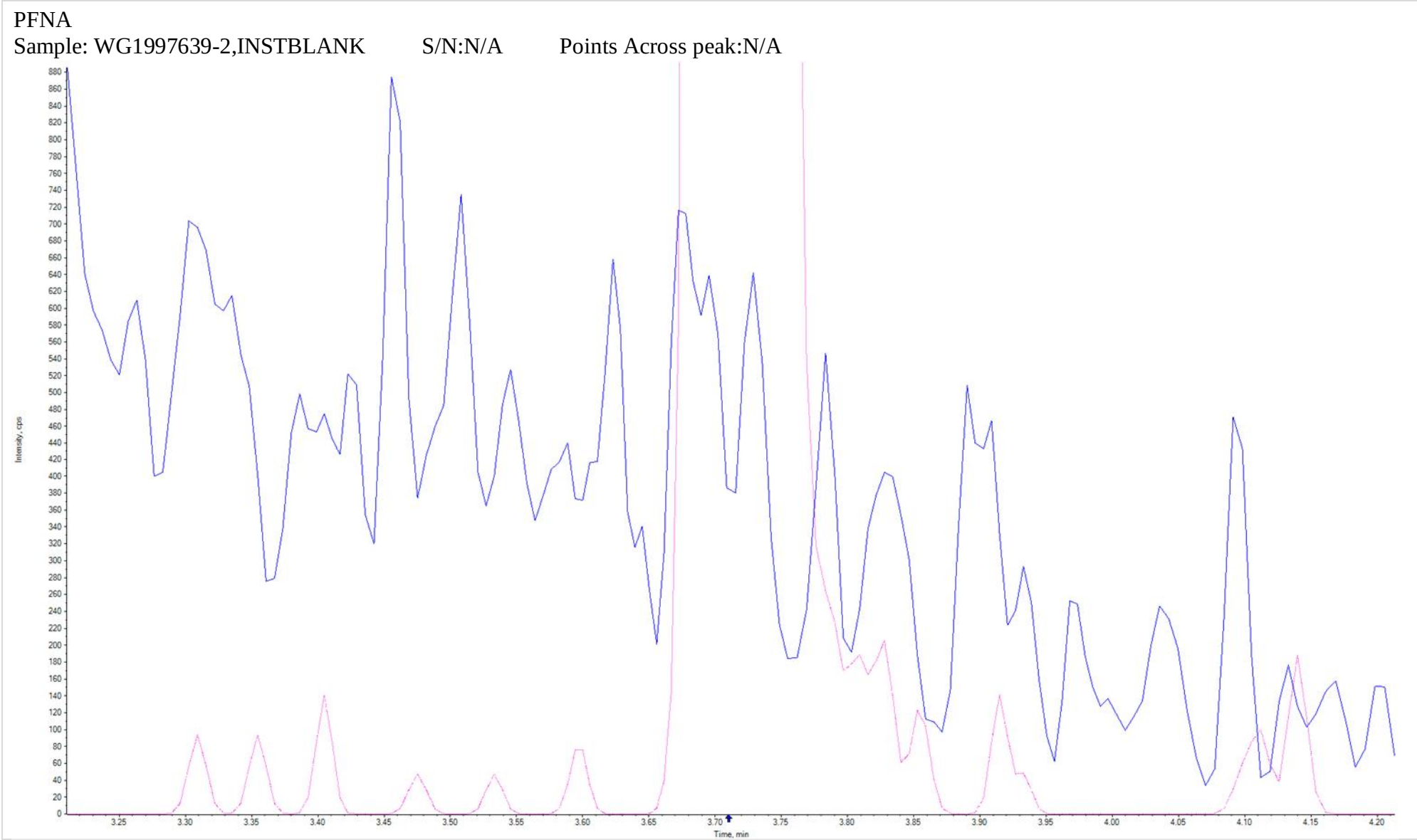

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PFNA_2
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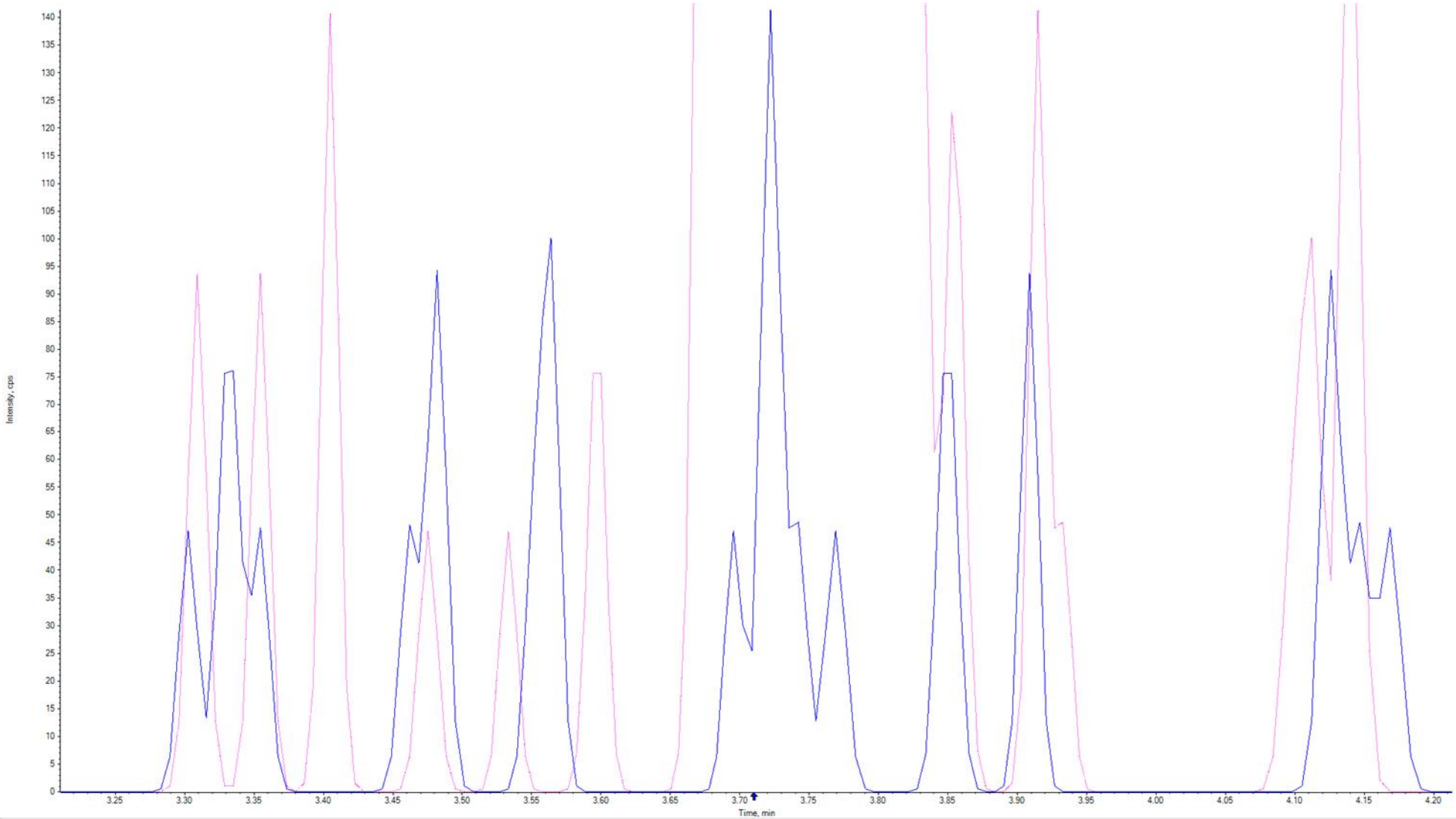

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PFDA
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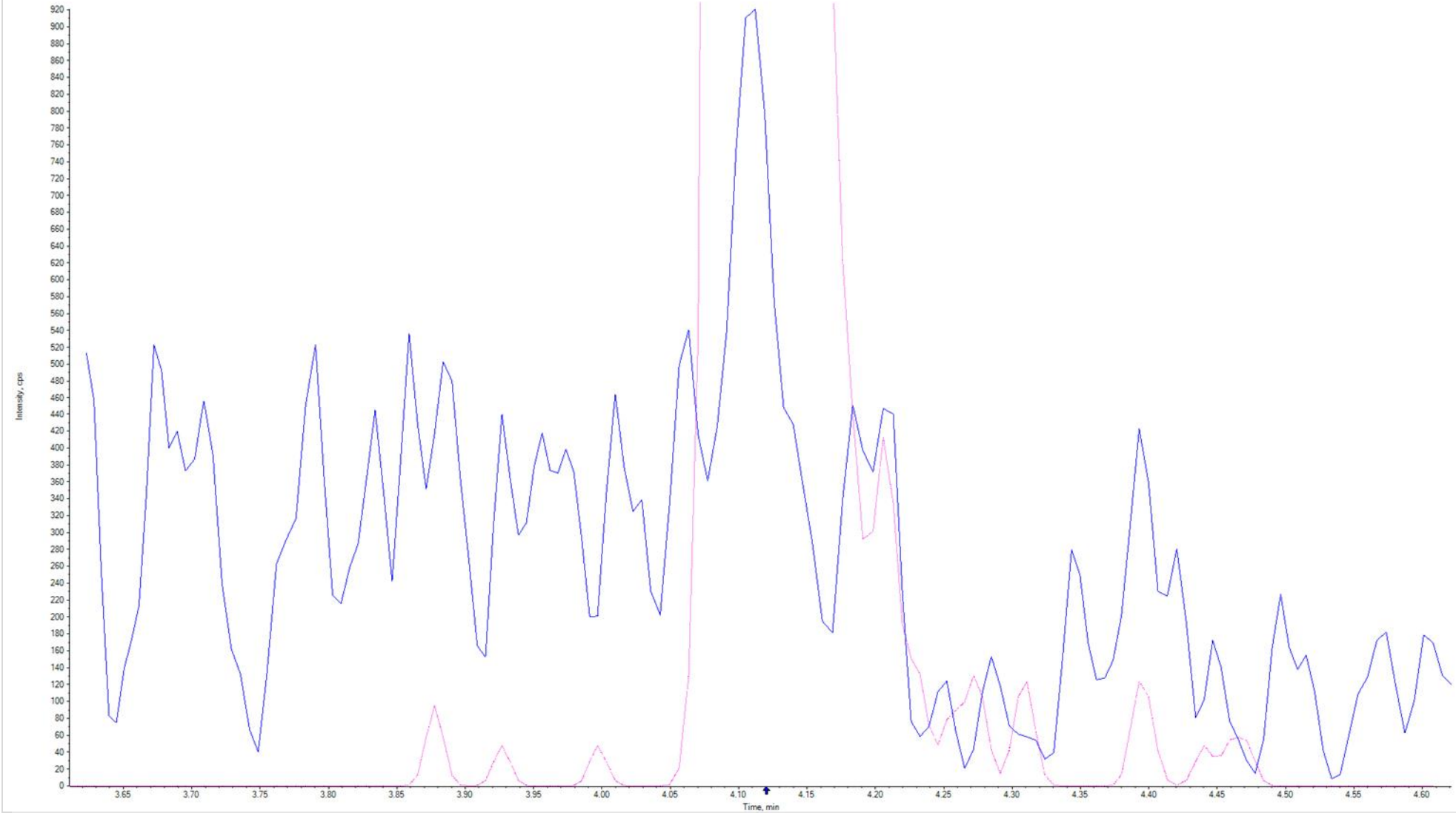

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PFDA_2
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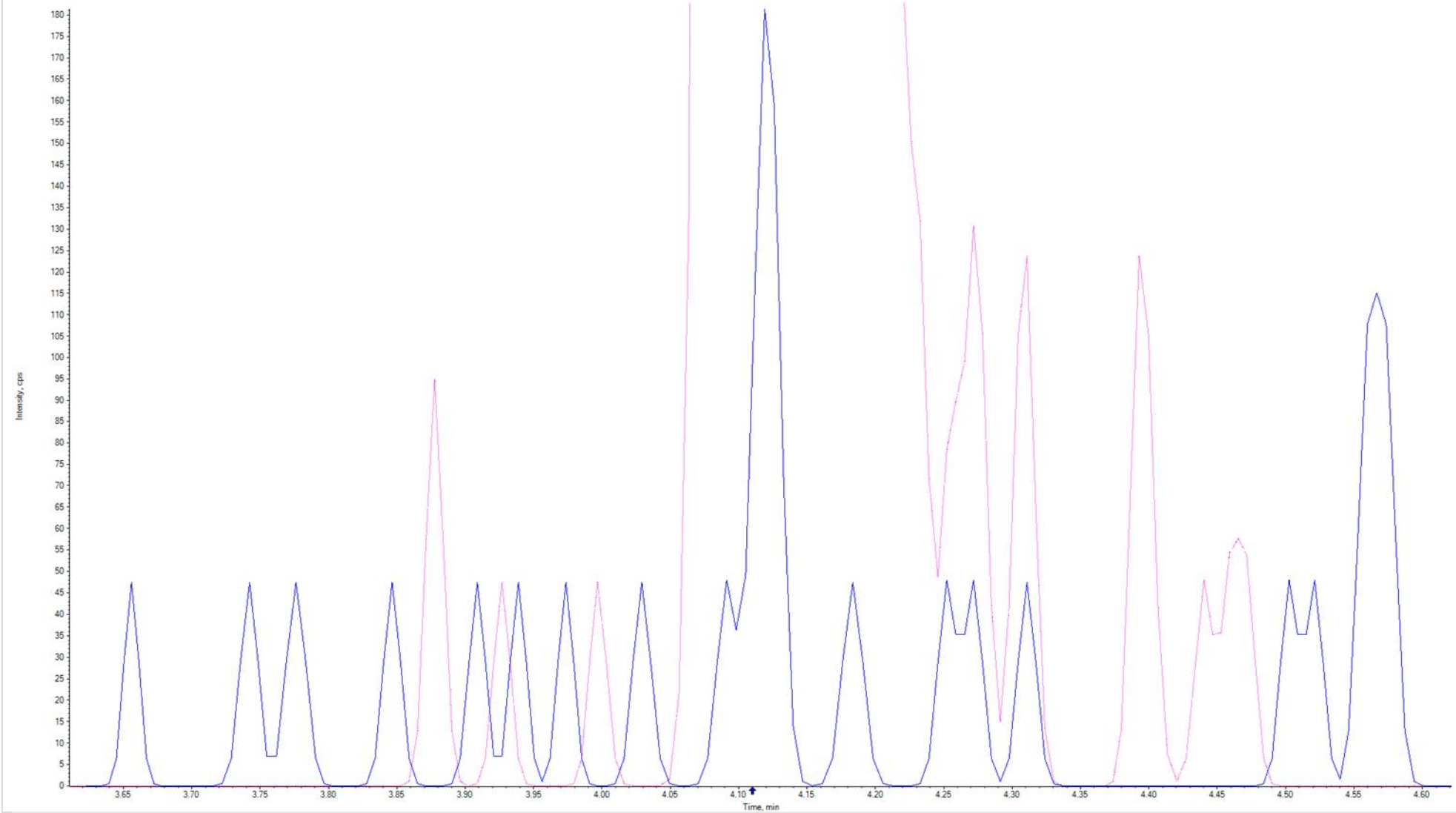

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PFUnA
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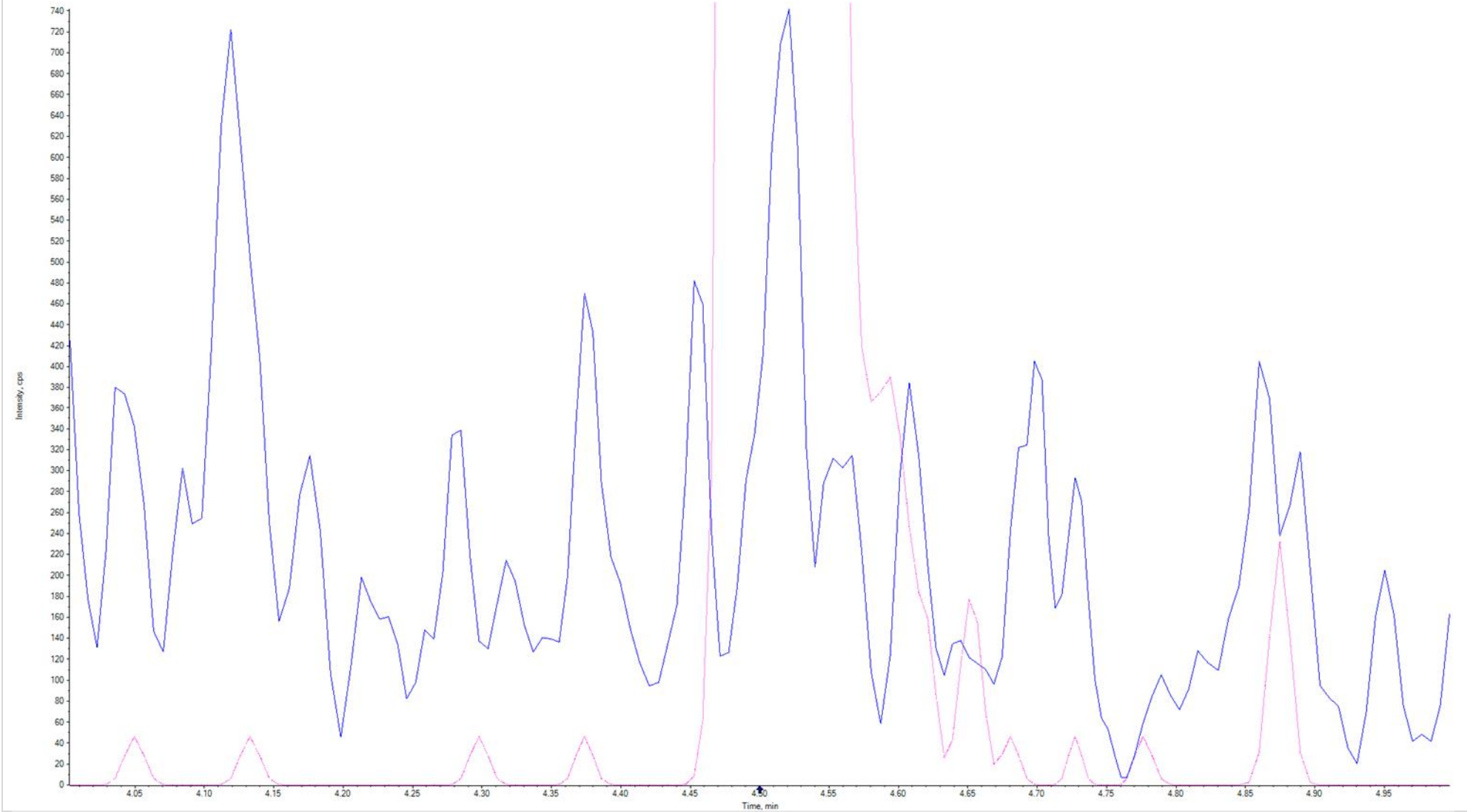

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PFUnA_2
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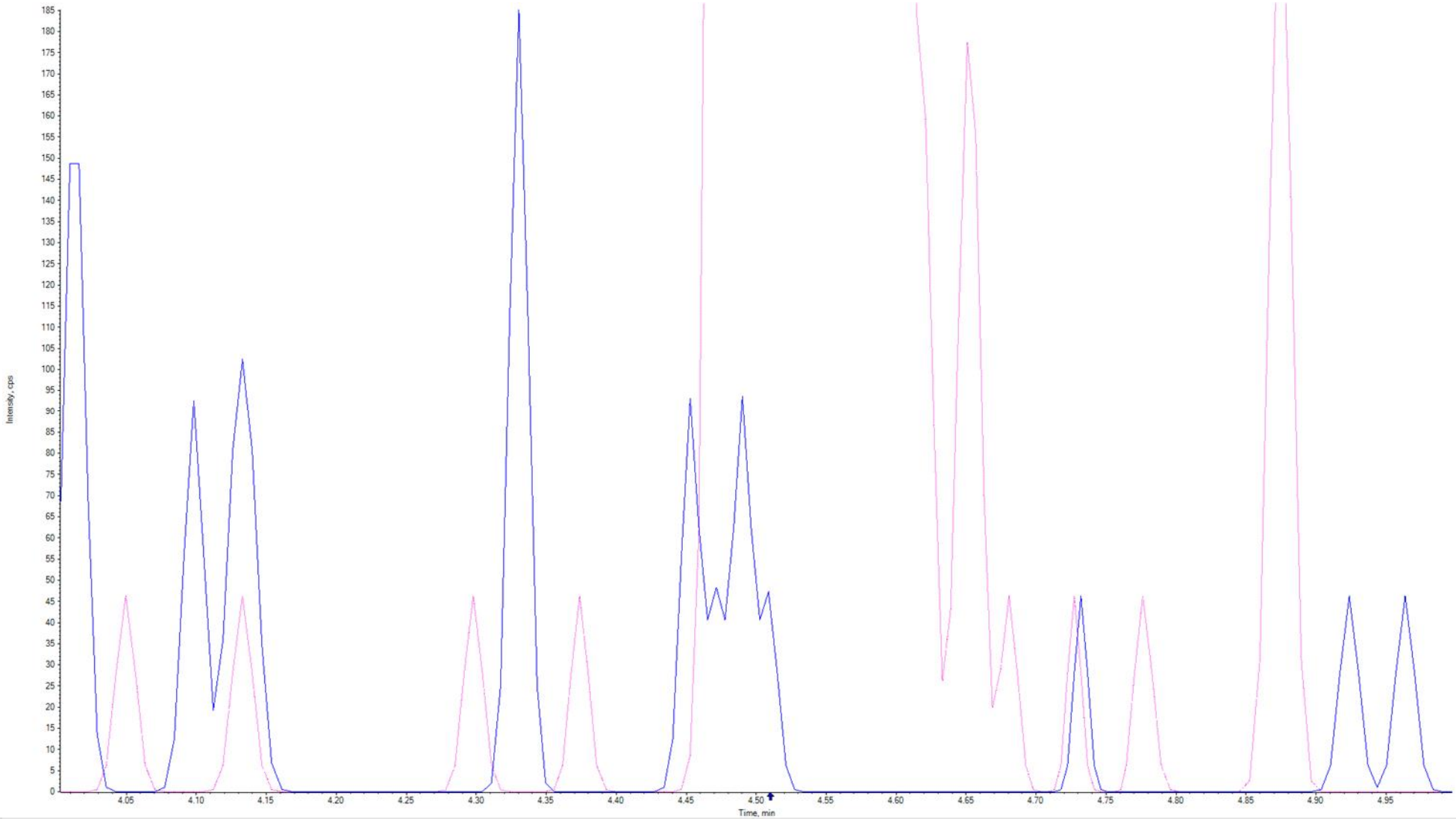

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PFDoA
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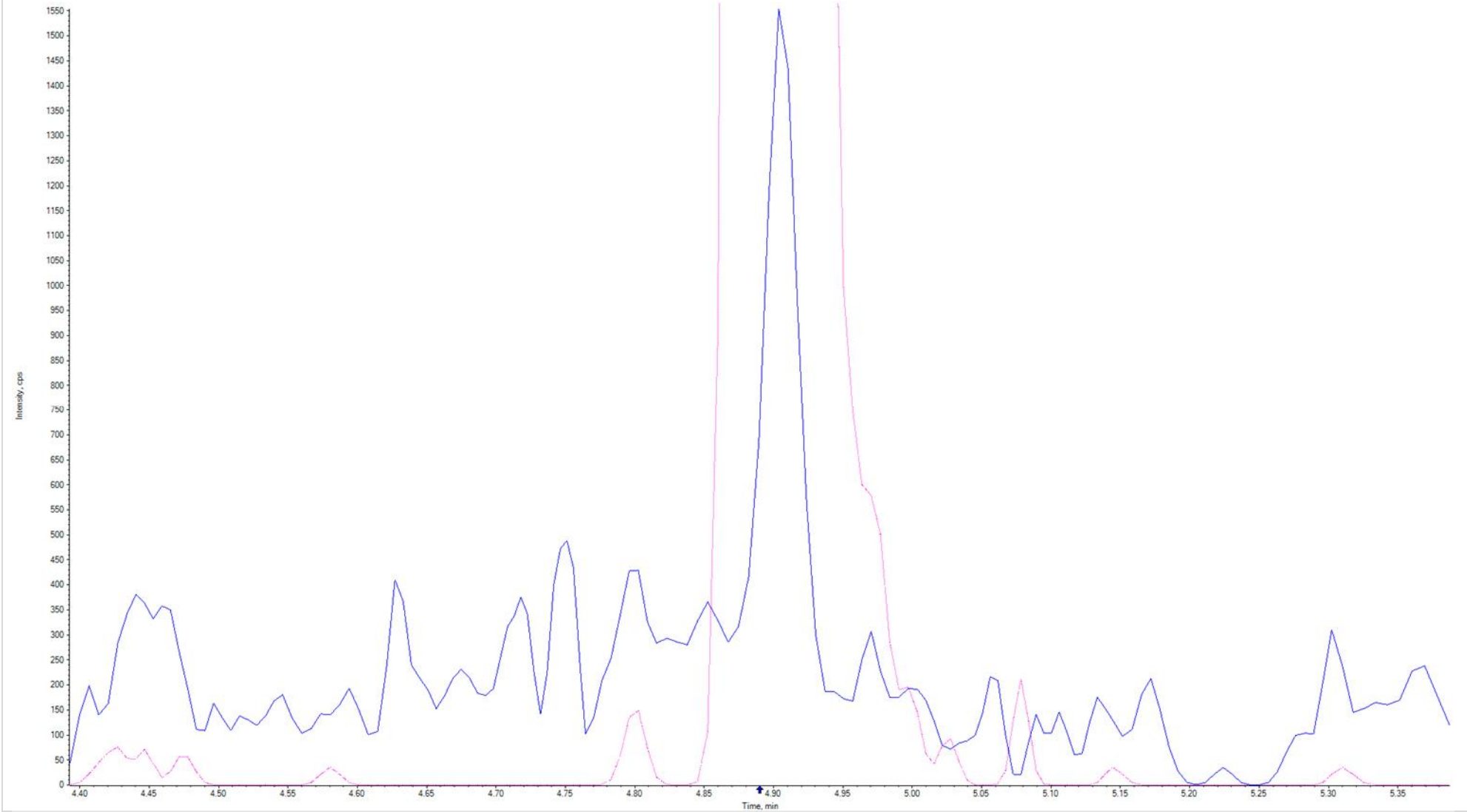

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PFDoA_2
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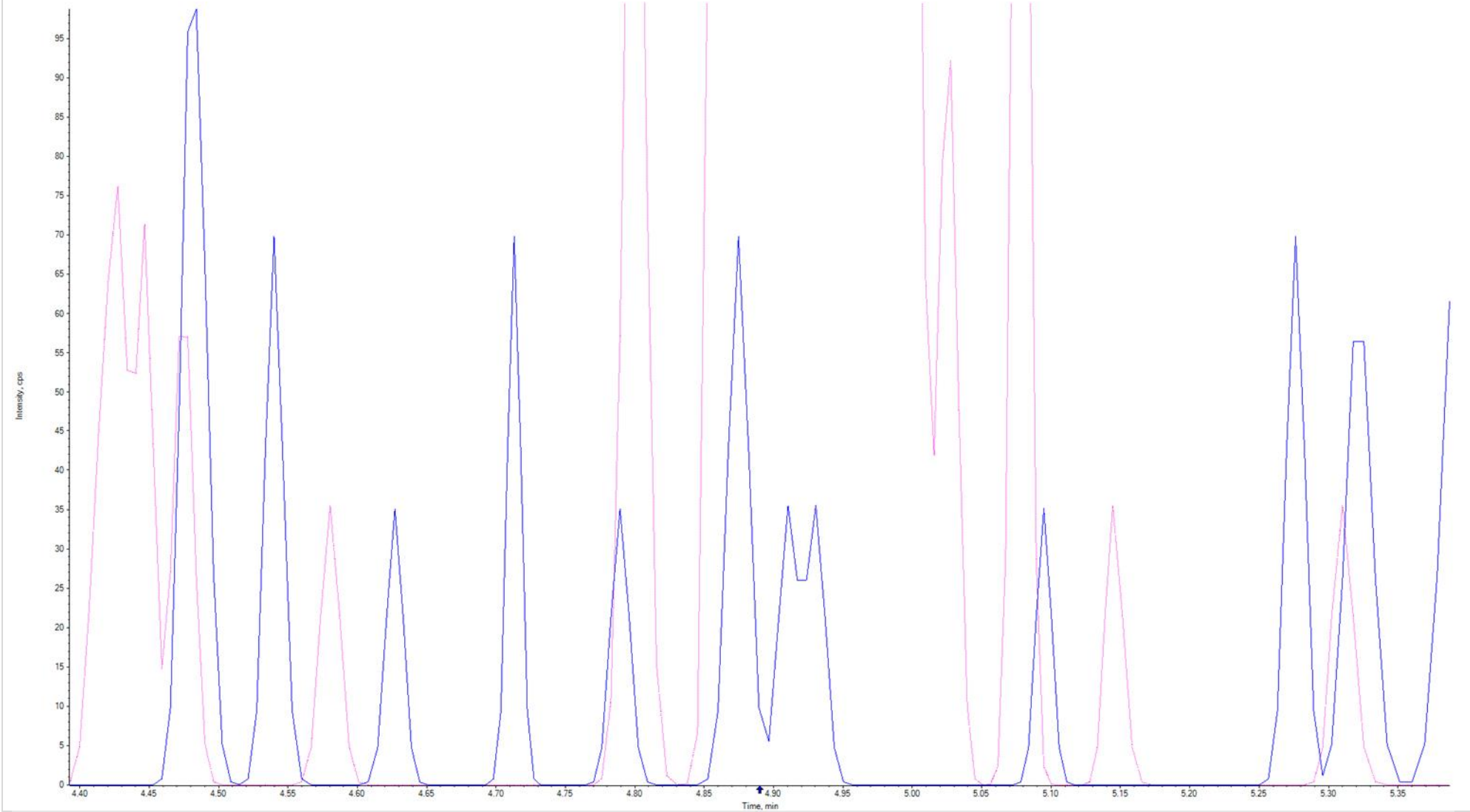

PFTrDA
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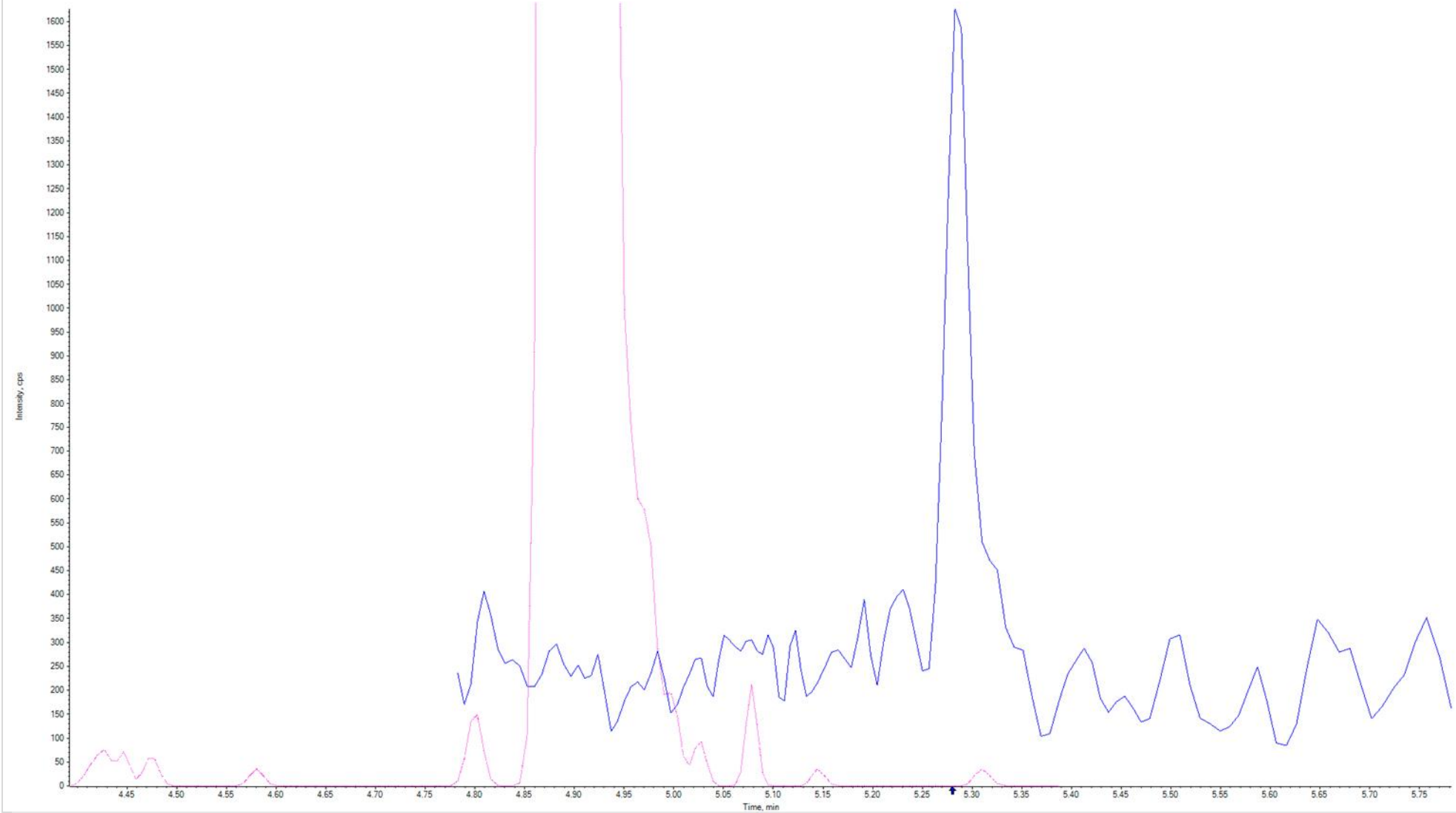

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Alpha Analytical LLC
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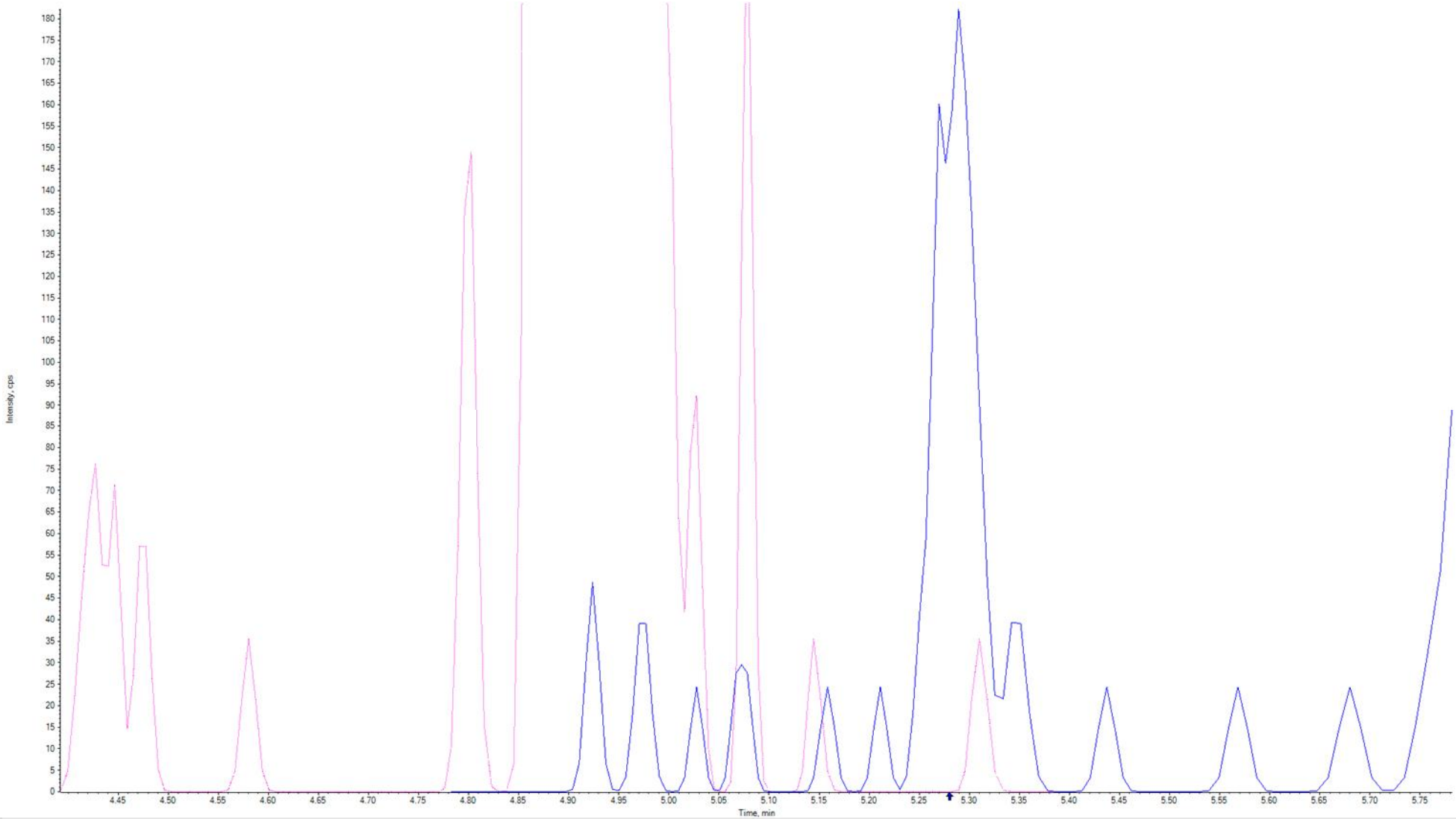
PFTrDA_2
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



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PFTeDA
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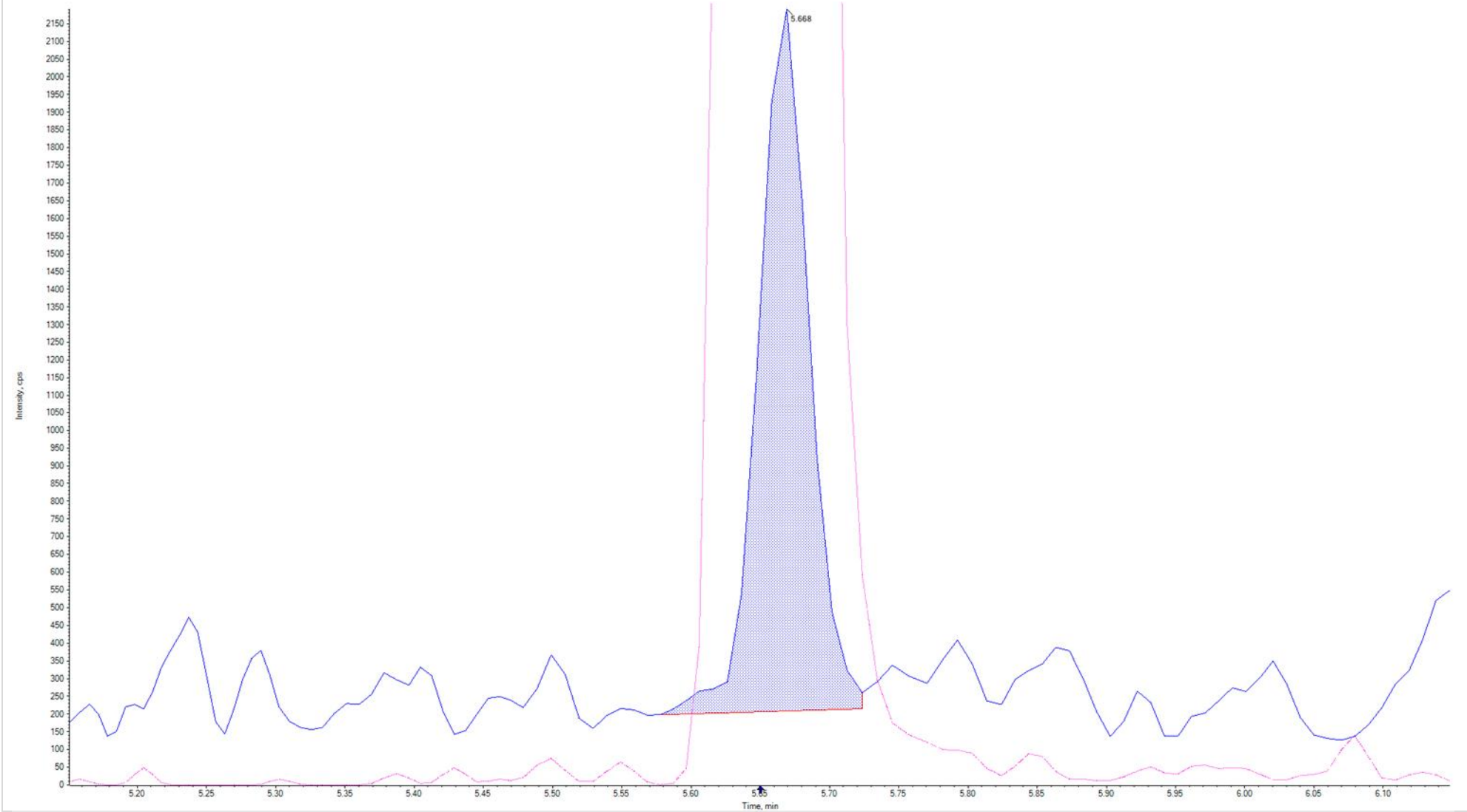

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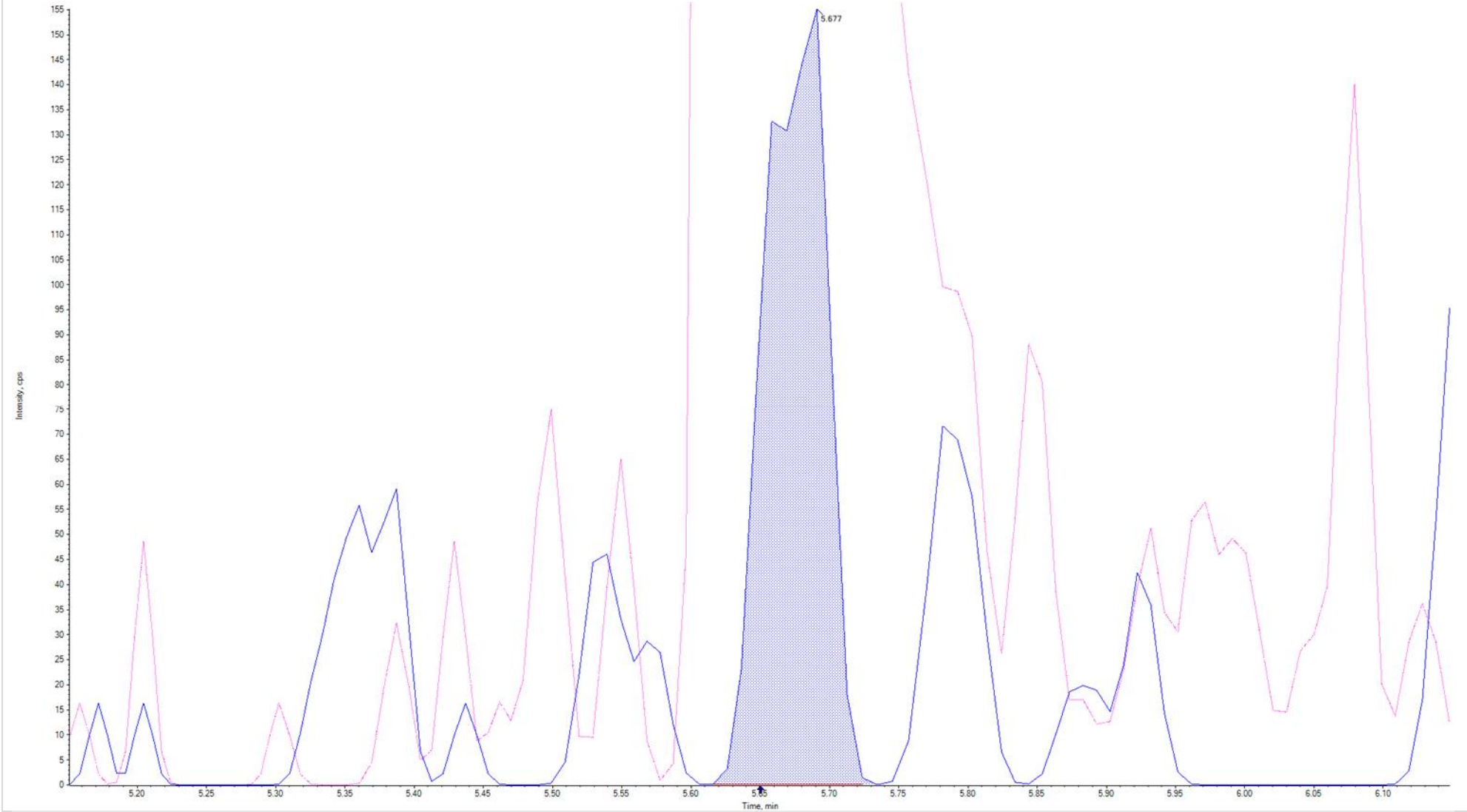
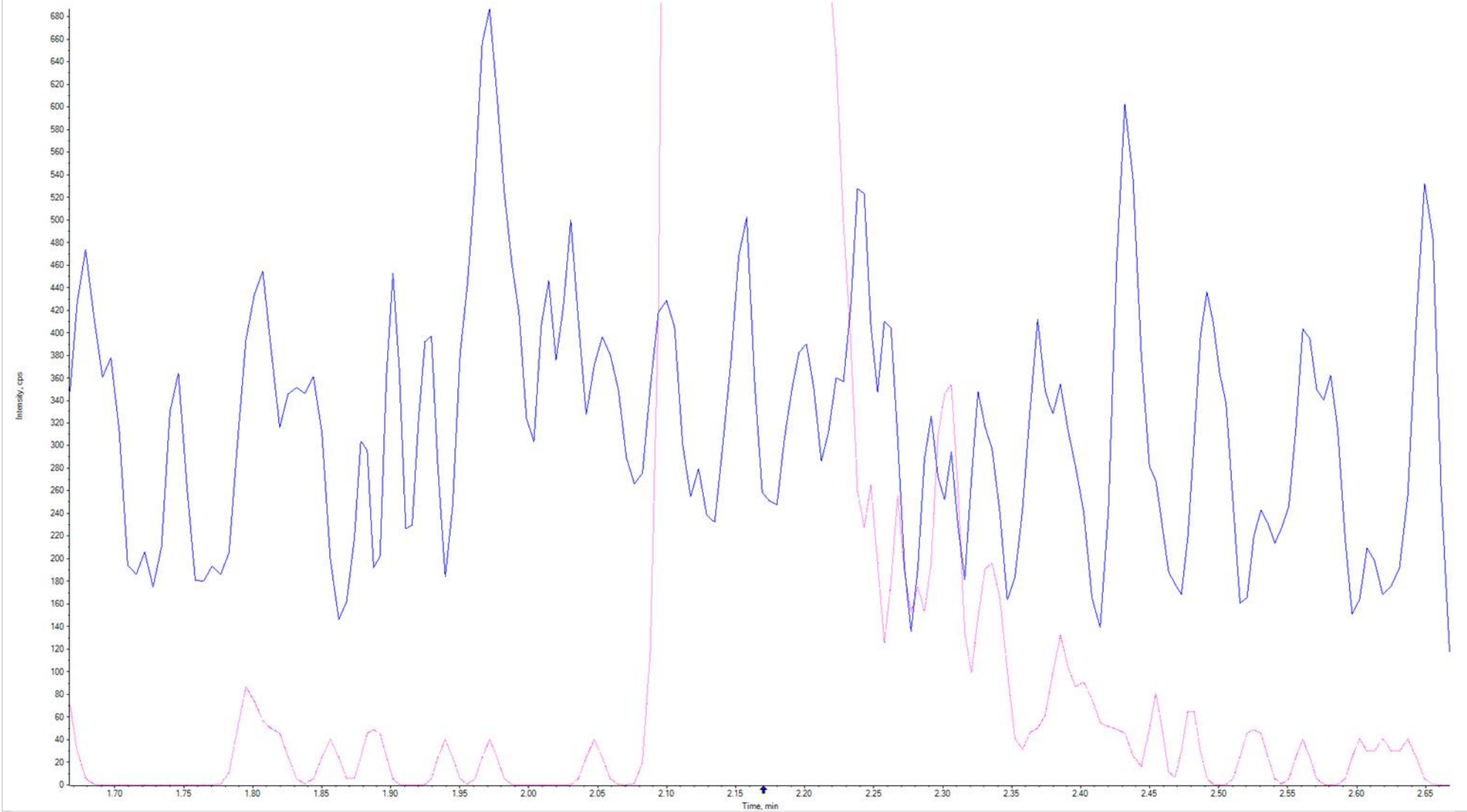
PFTeDA_2
Sample: WG1997639-2,INSTBLANK S/N:9.7 Points Across peak:13



PFBS
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

PFBS_2
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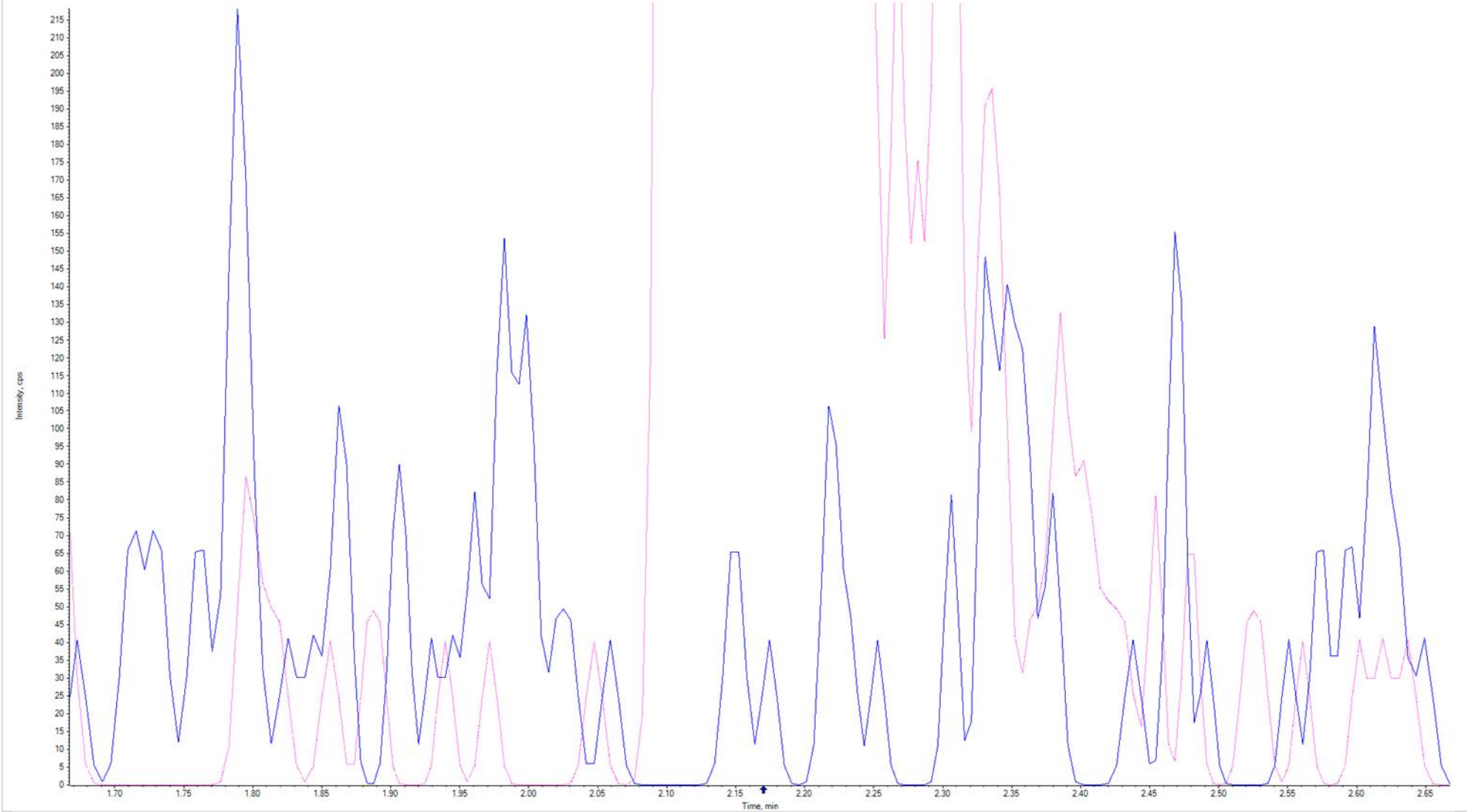

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PFPeS
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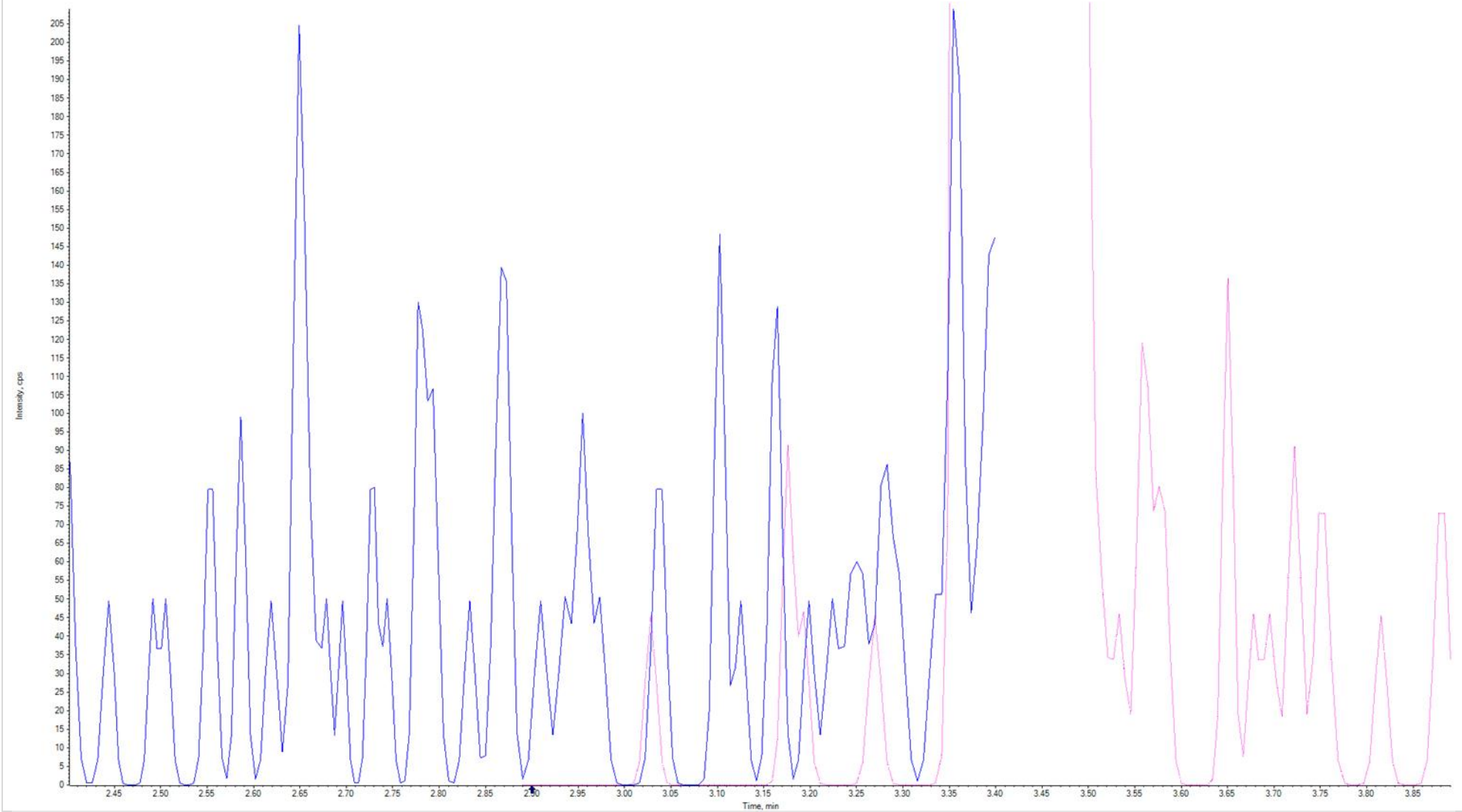

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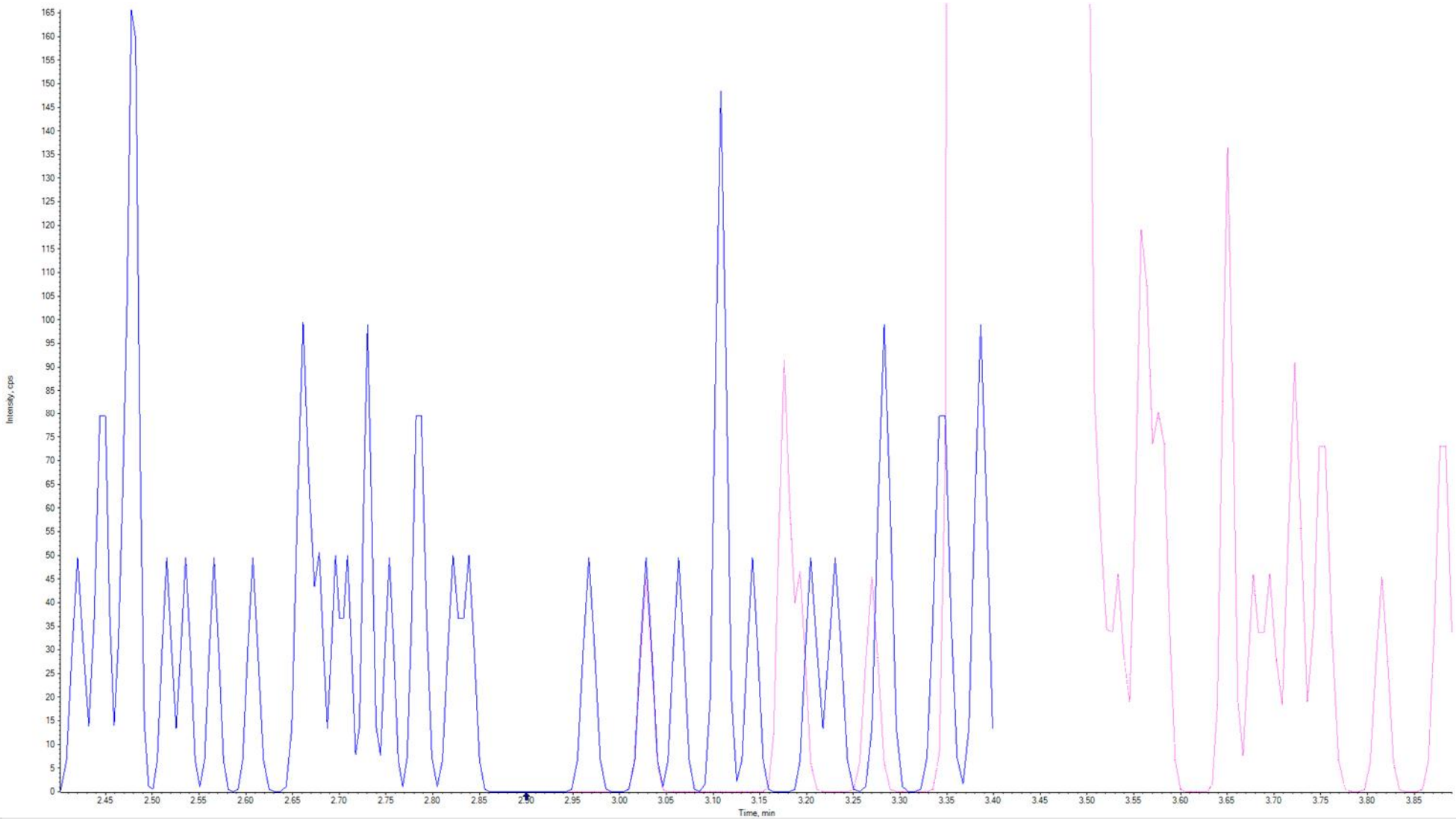

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PFHxS
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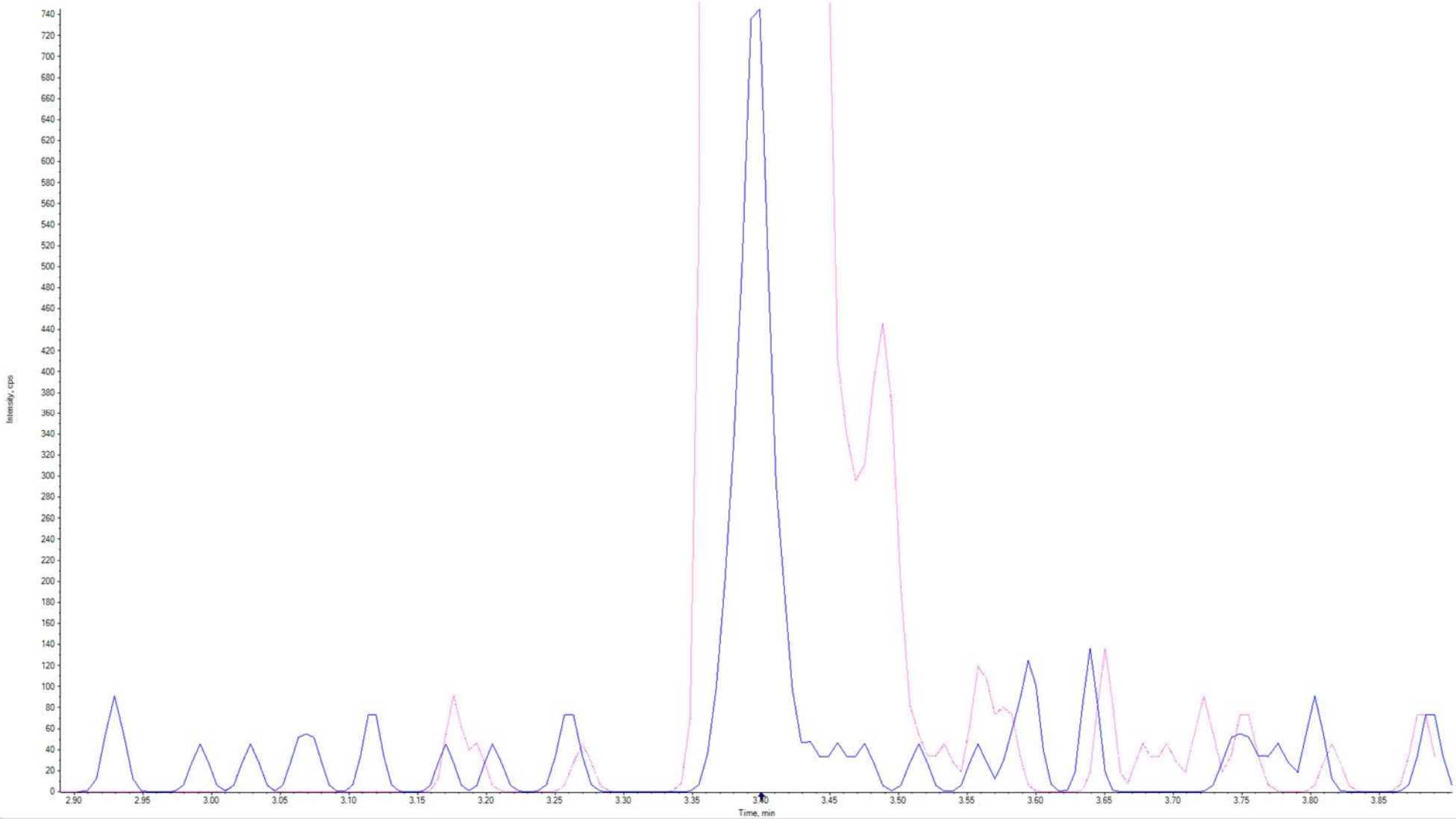

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFHxS_2
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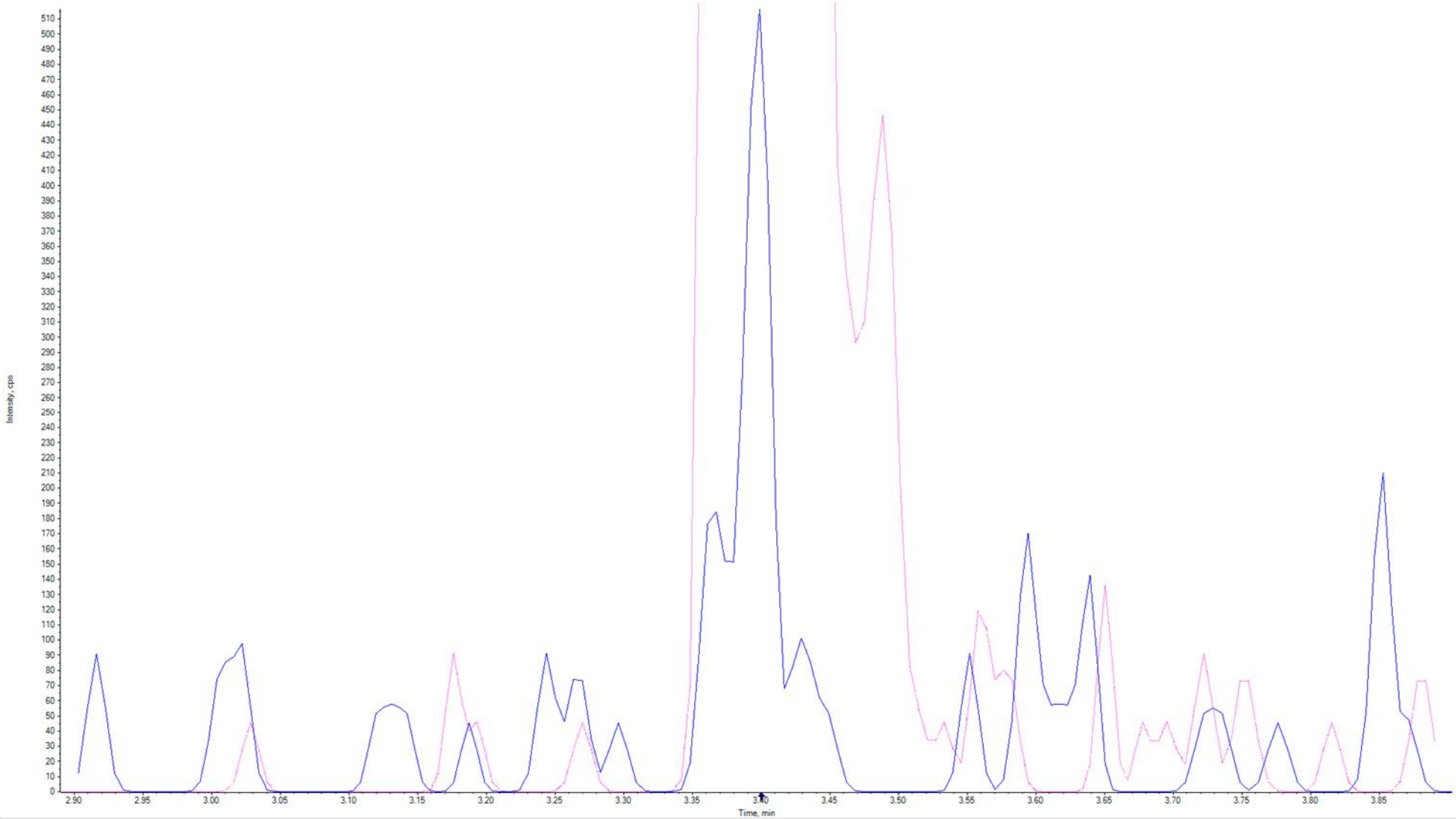

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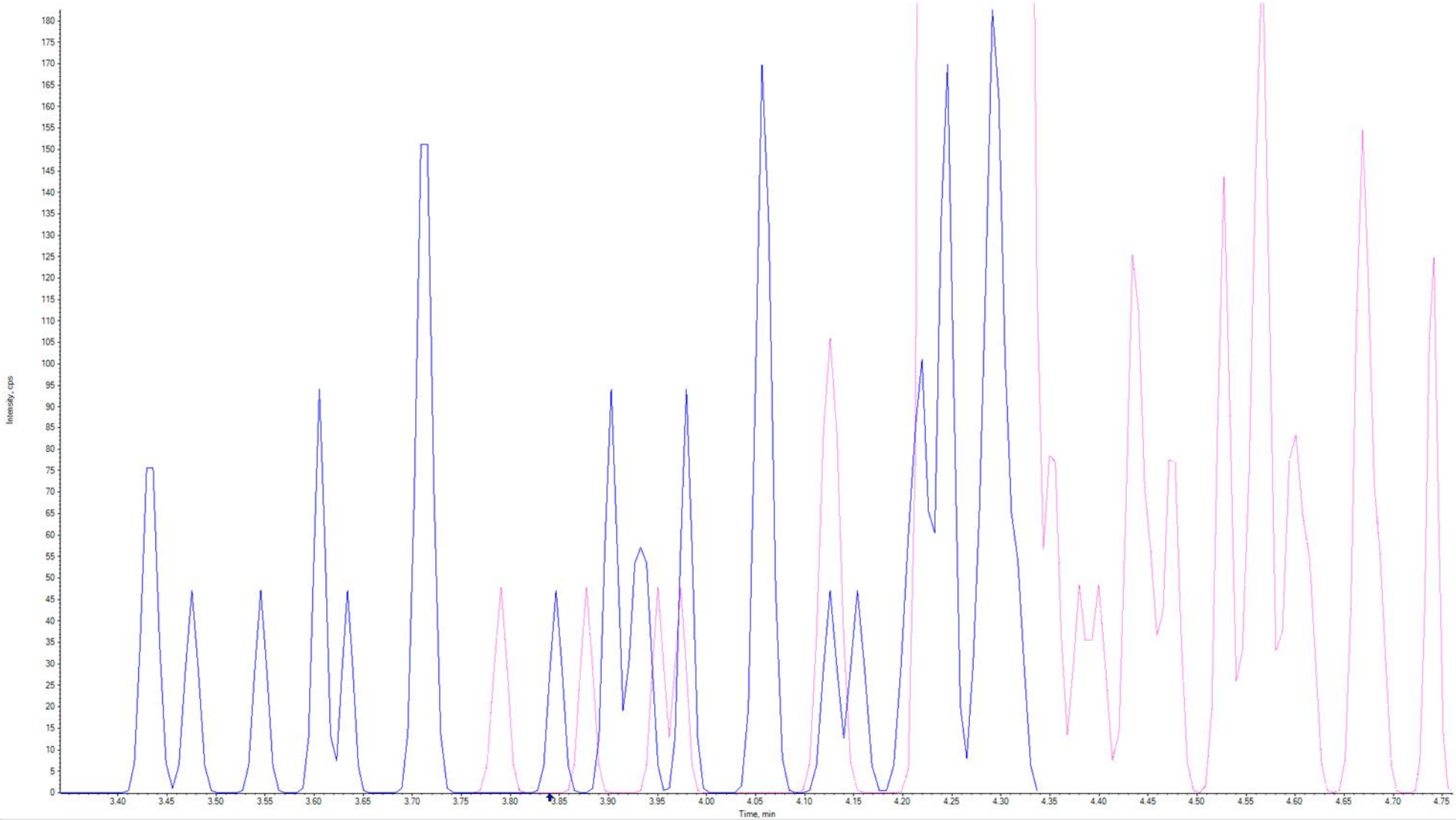

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PFHpS_2
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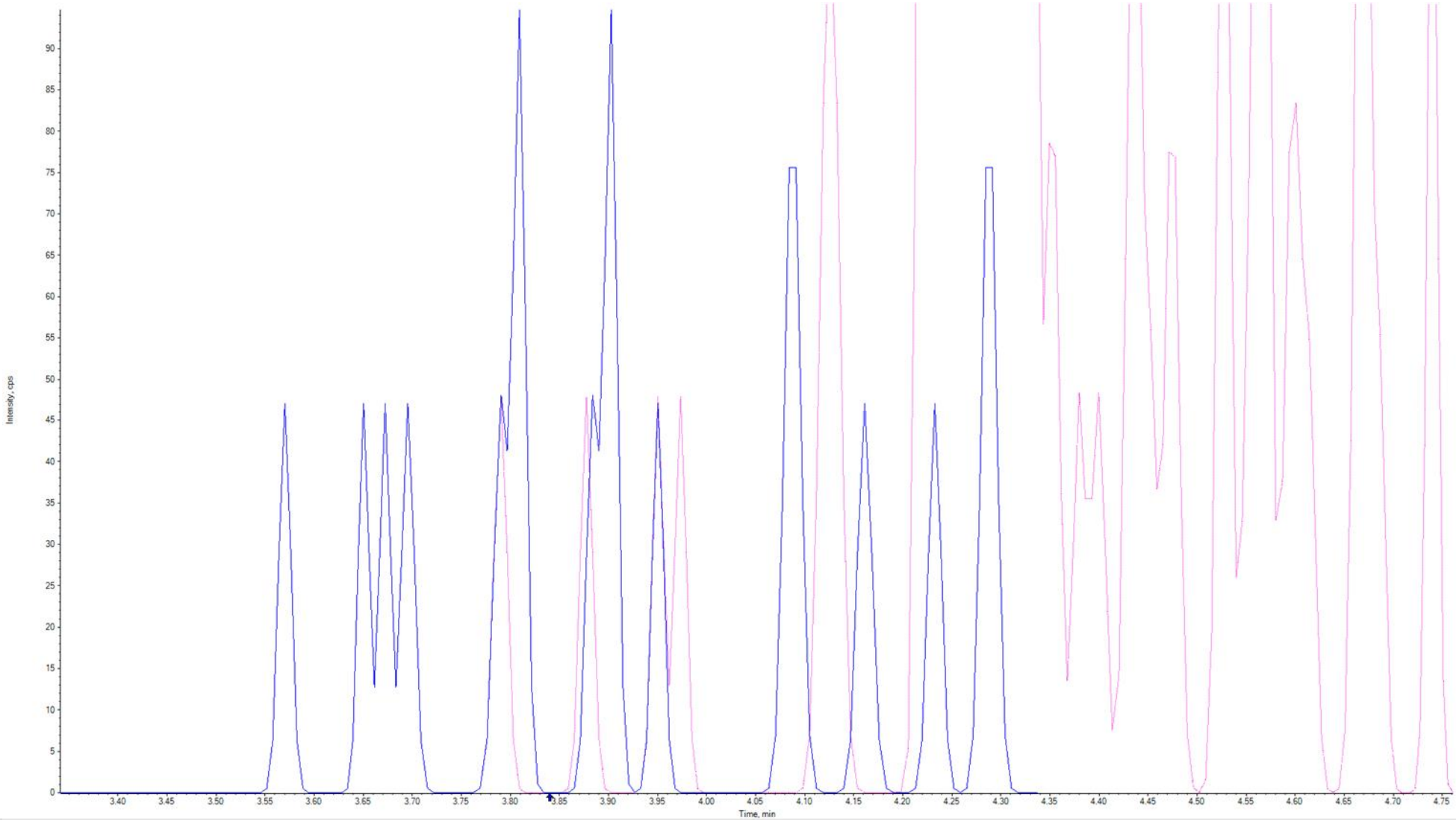

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PFOS
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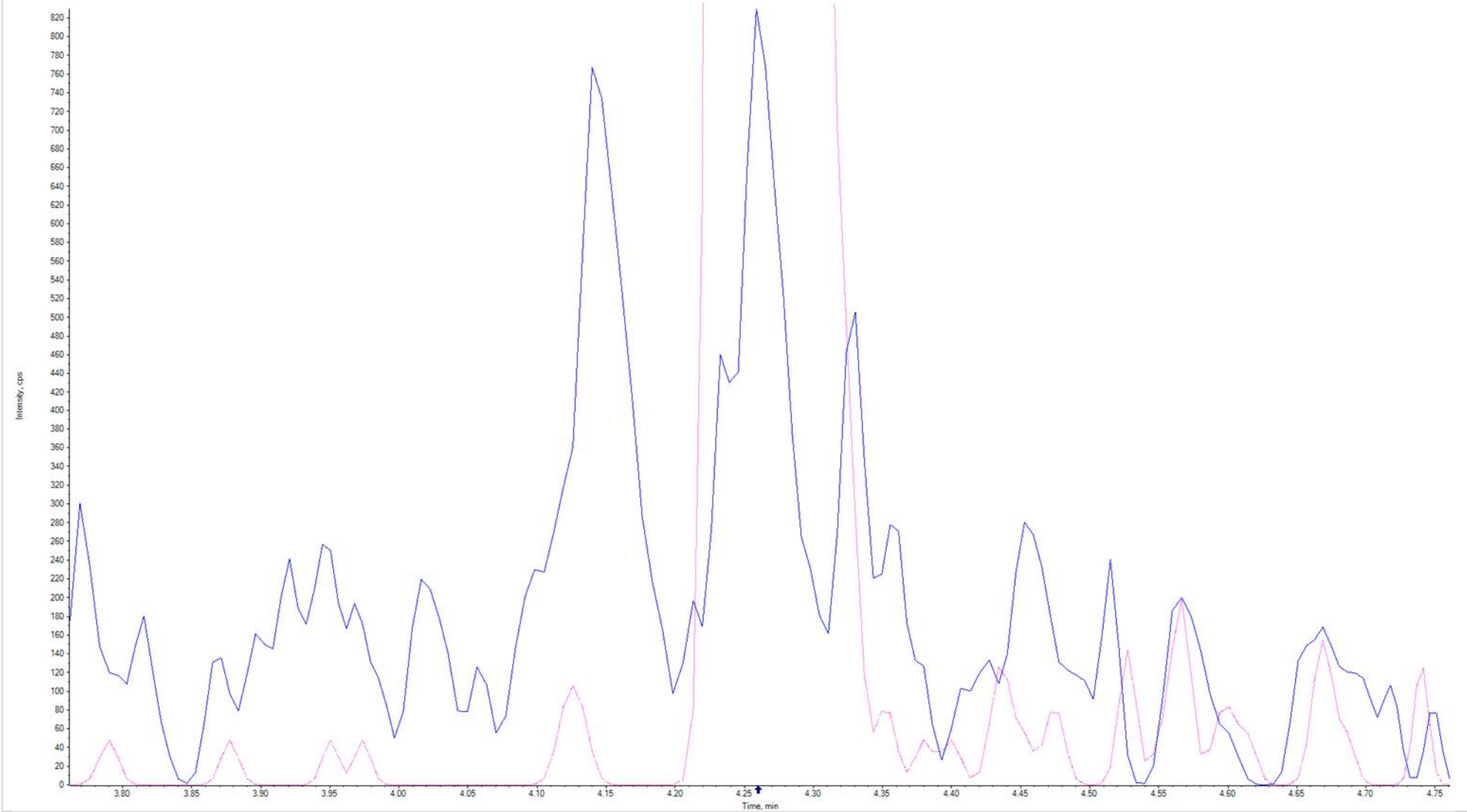

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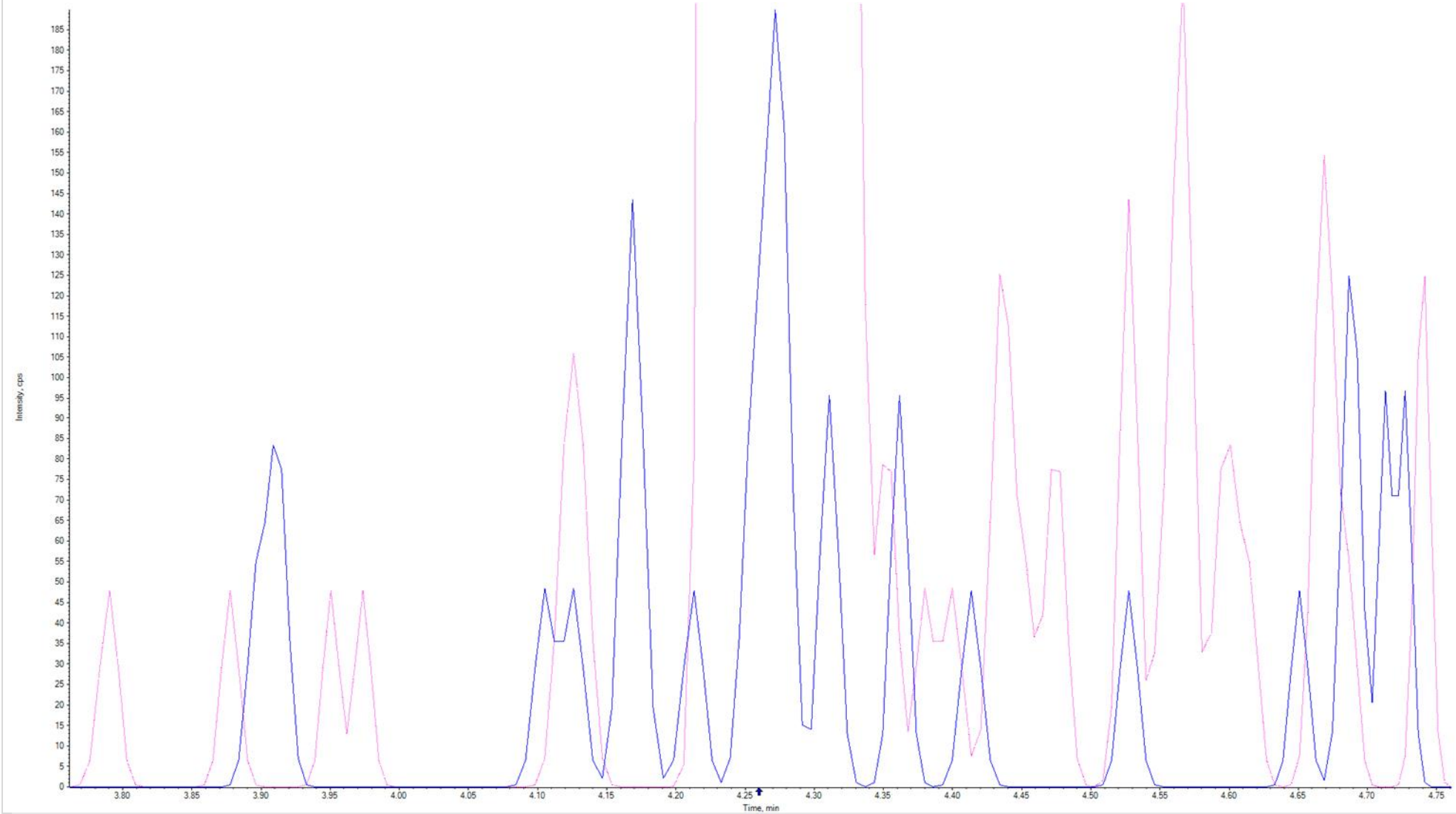
PFOS_2
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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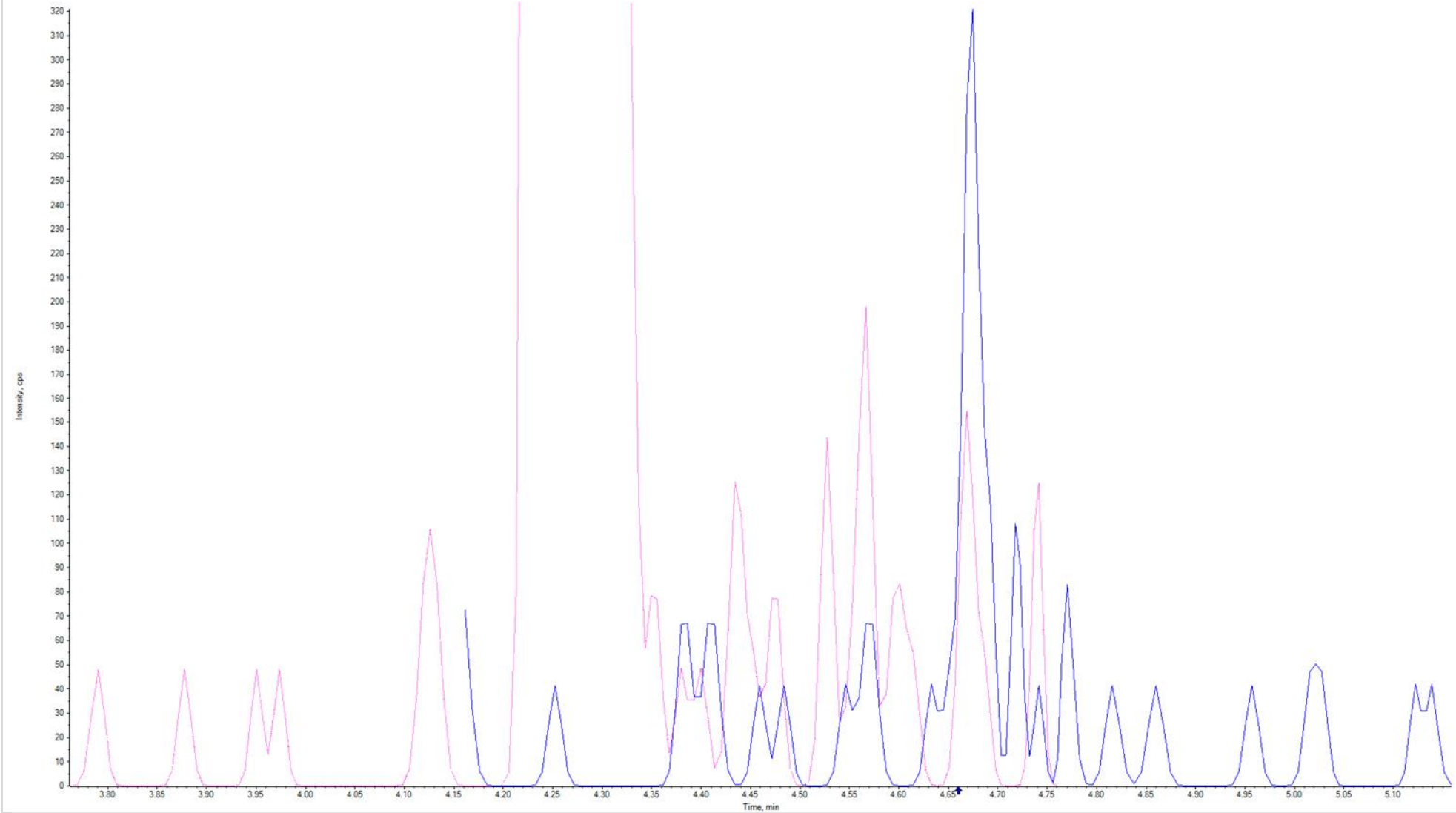
PFNS
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFNS_2
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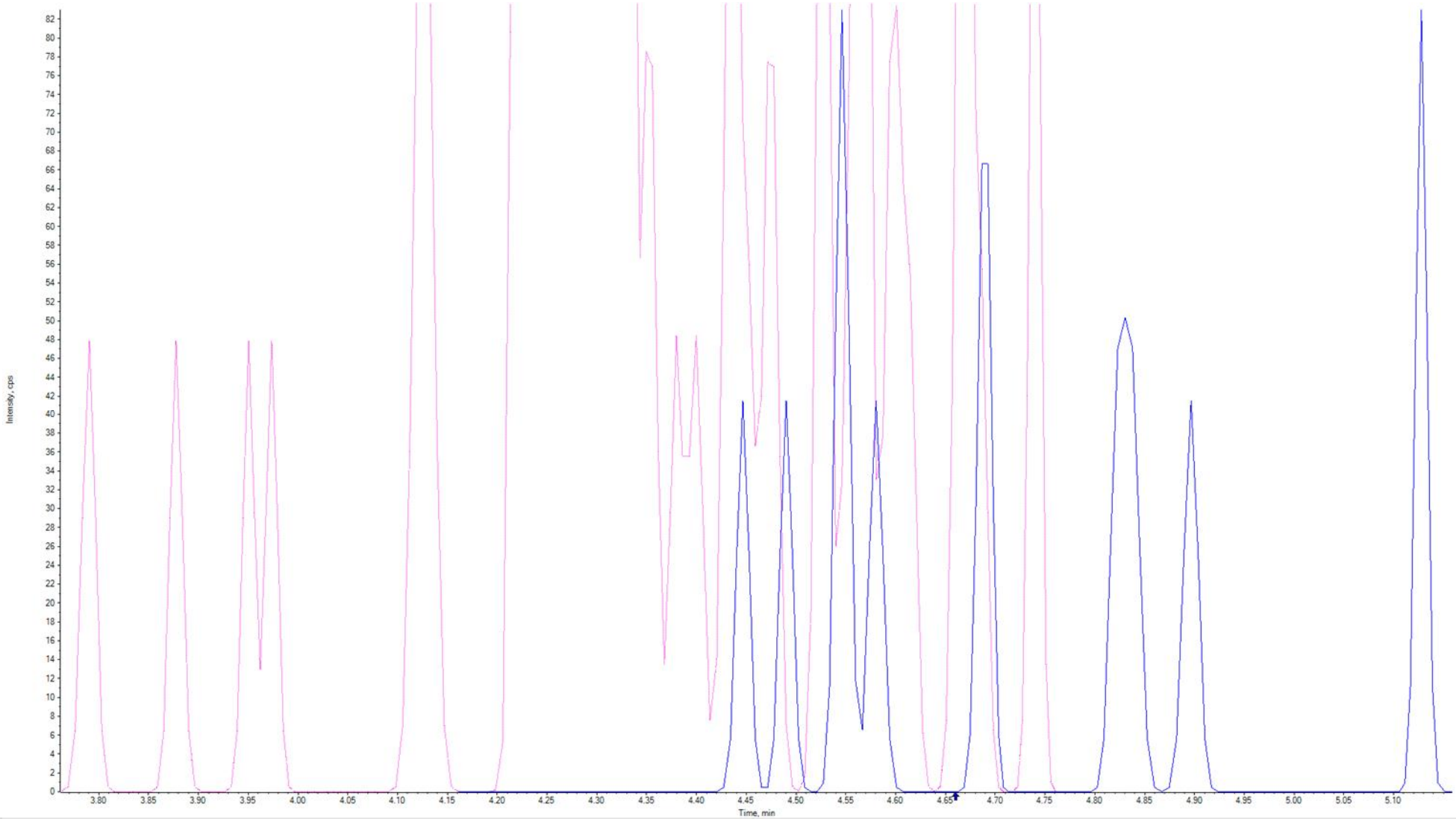

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PFDS
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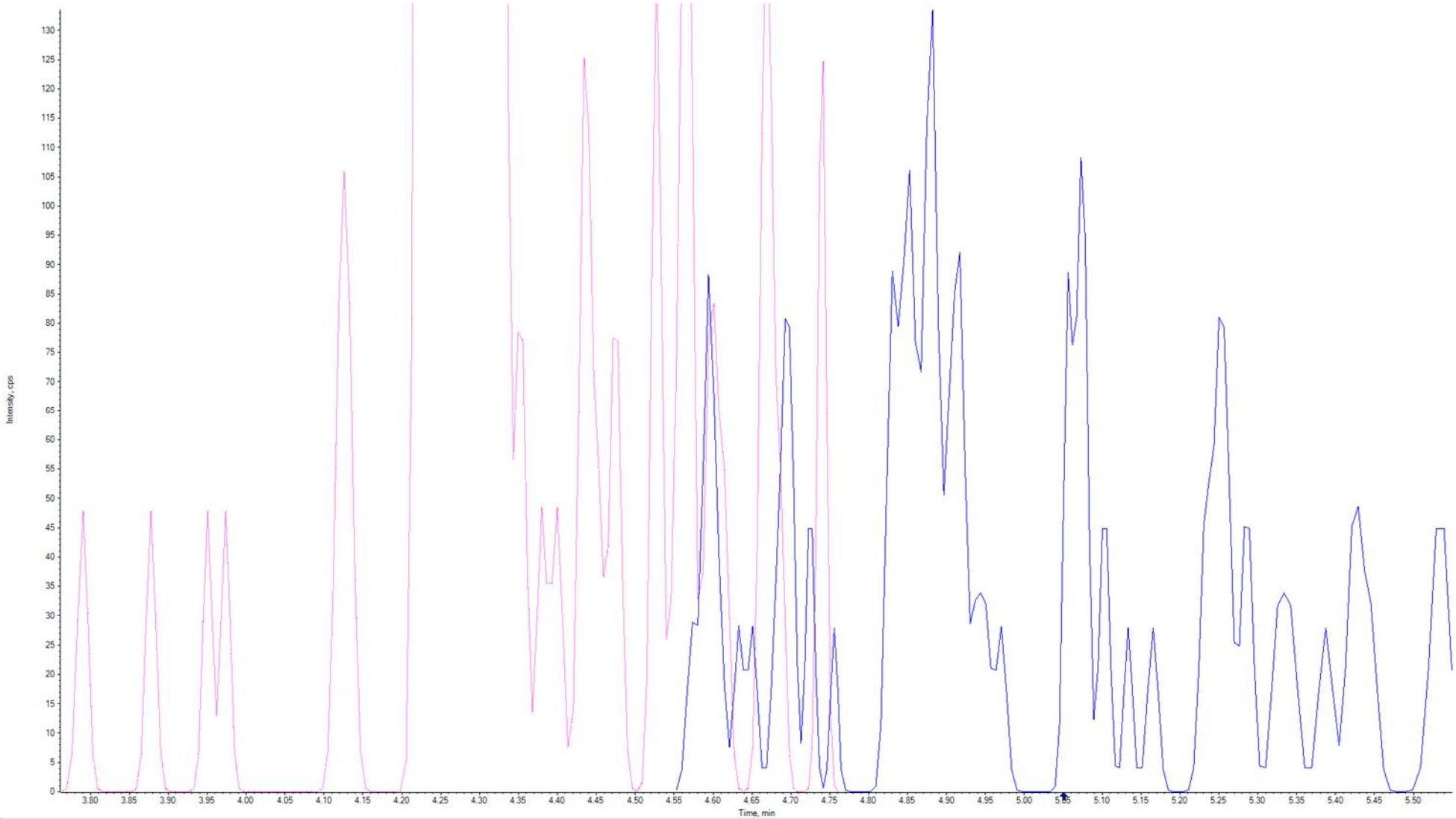

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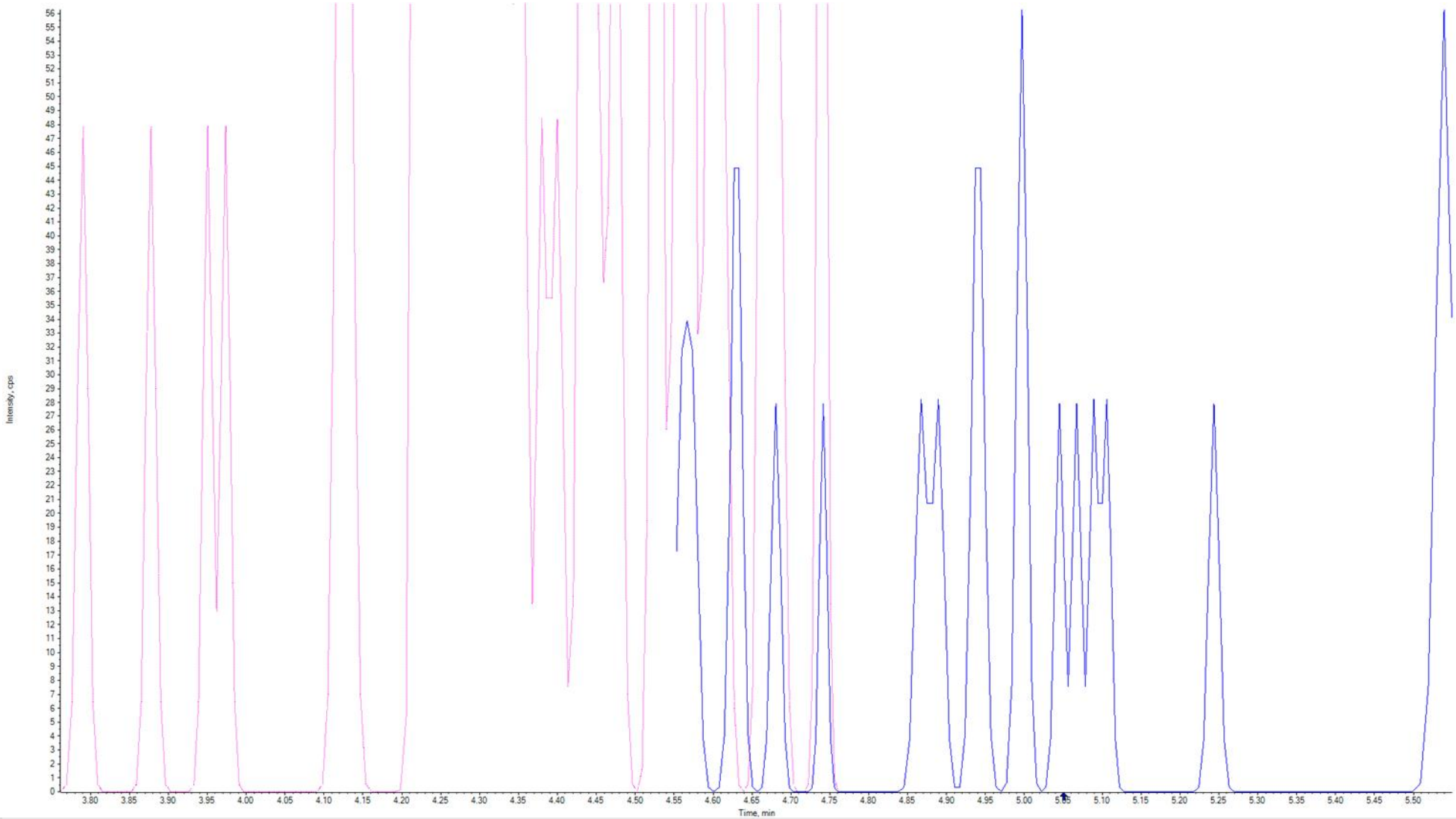
PFDS_2
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



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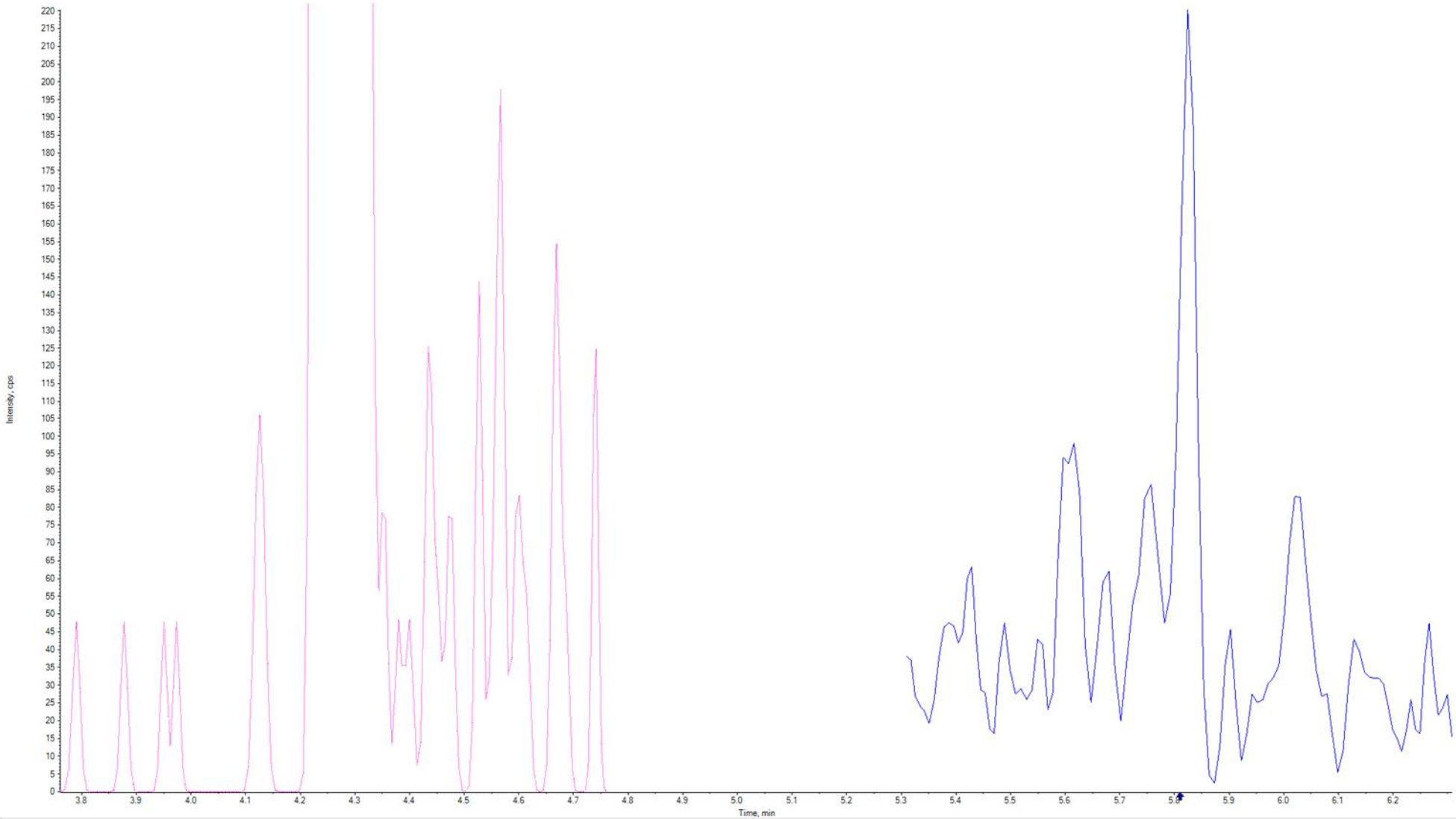
PFDoS
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



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PFDoS_2
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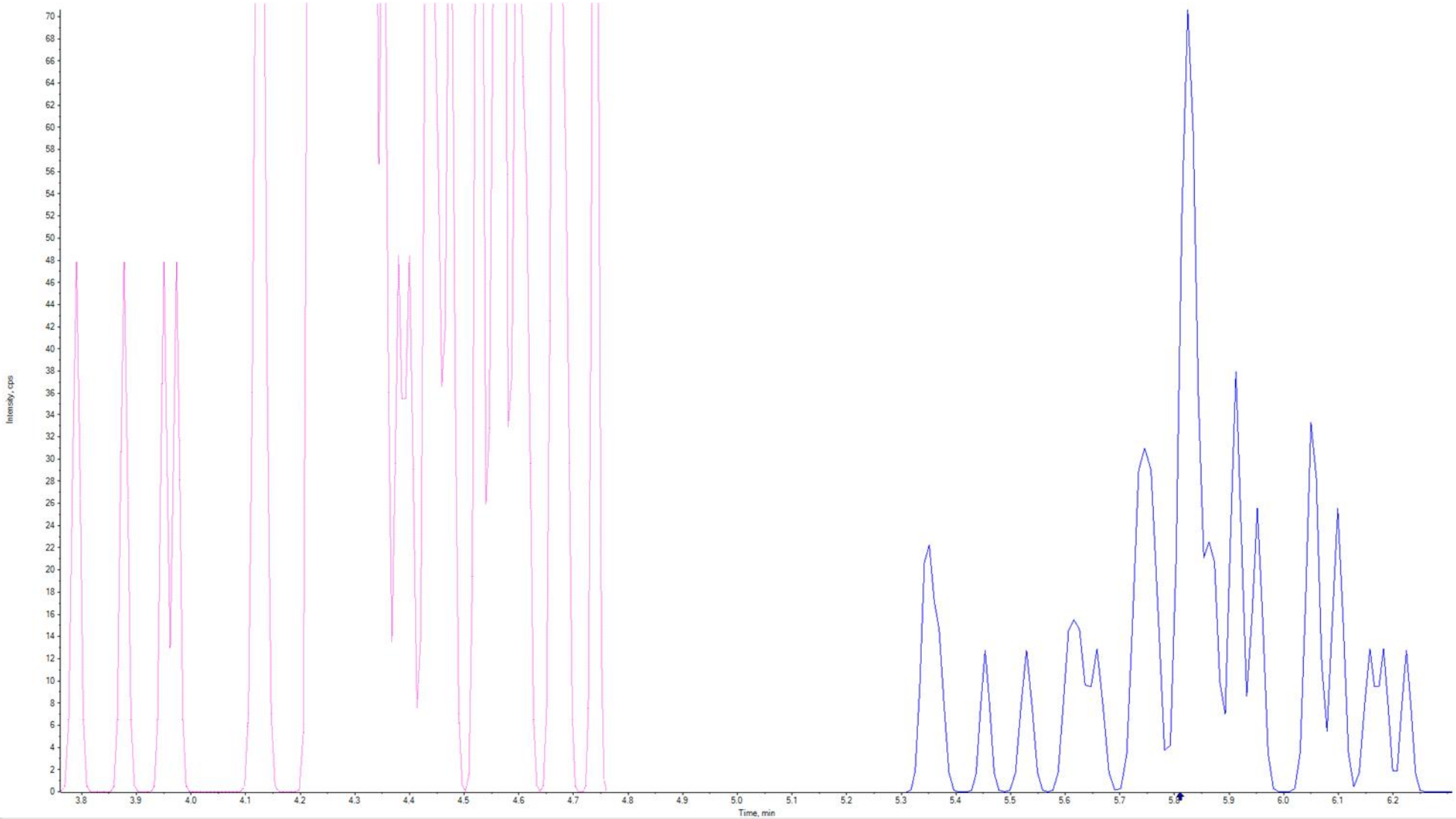

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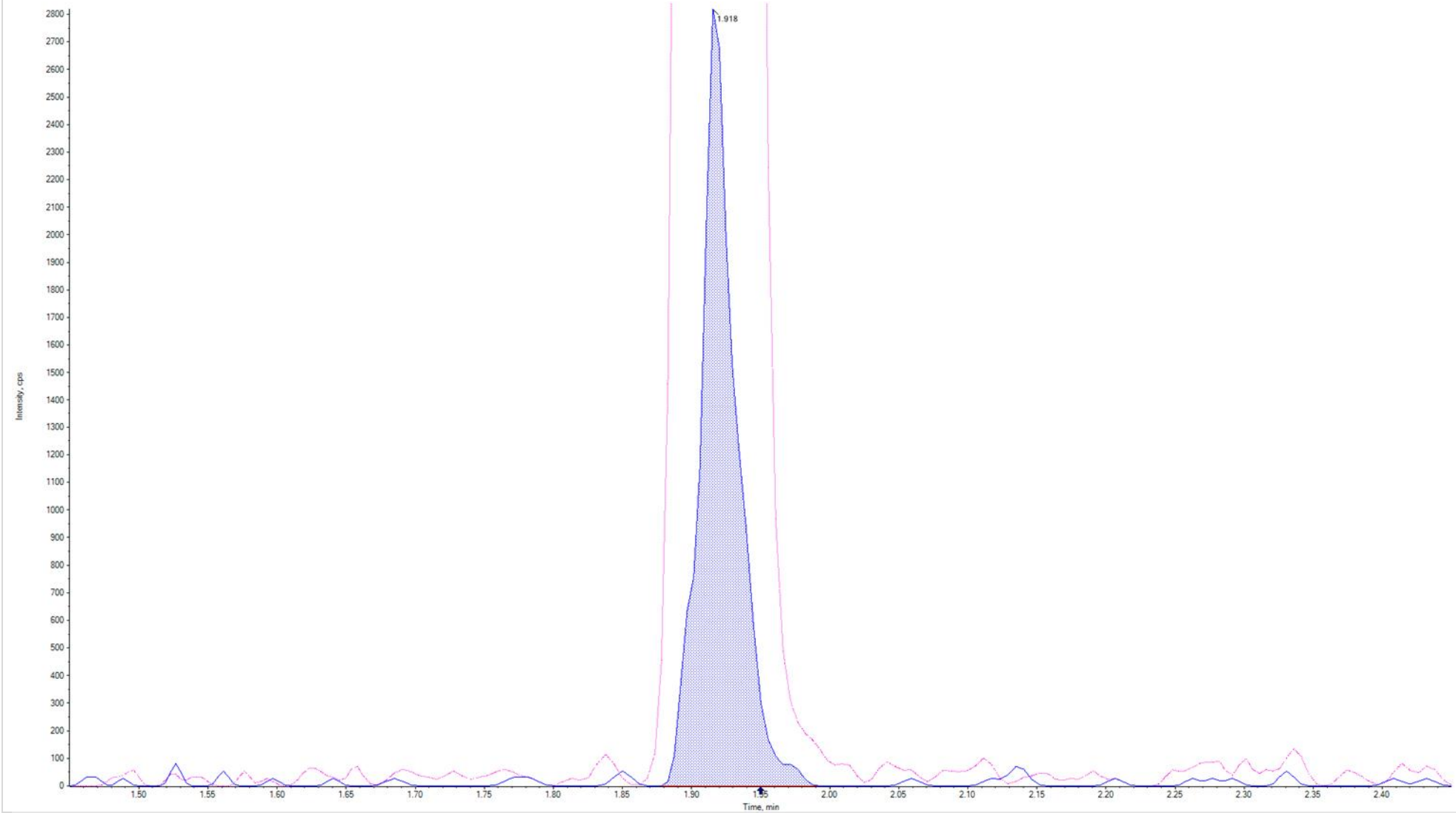
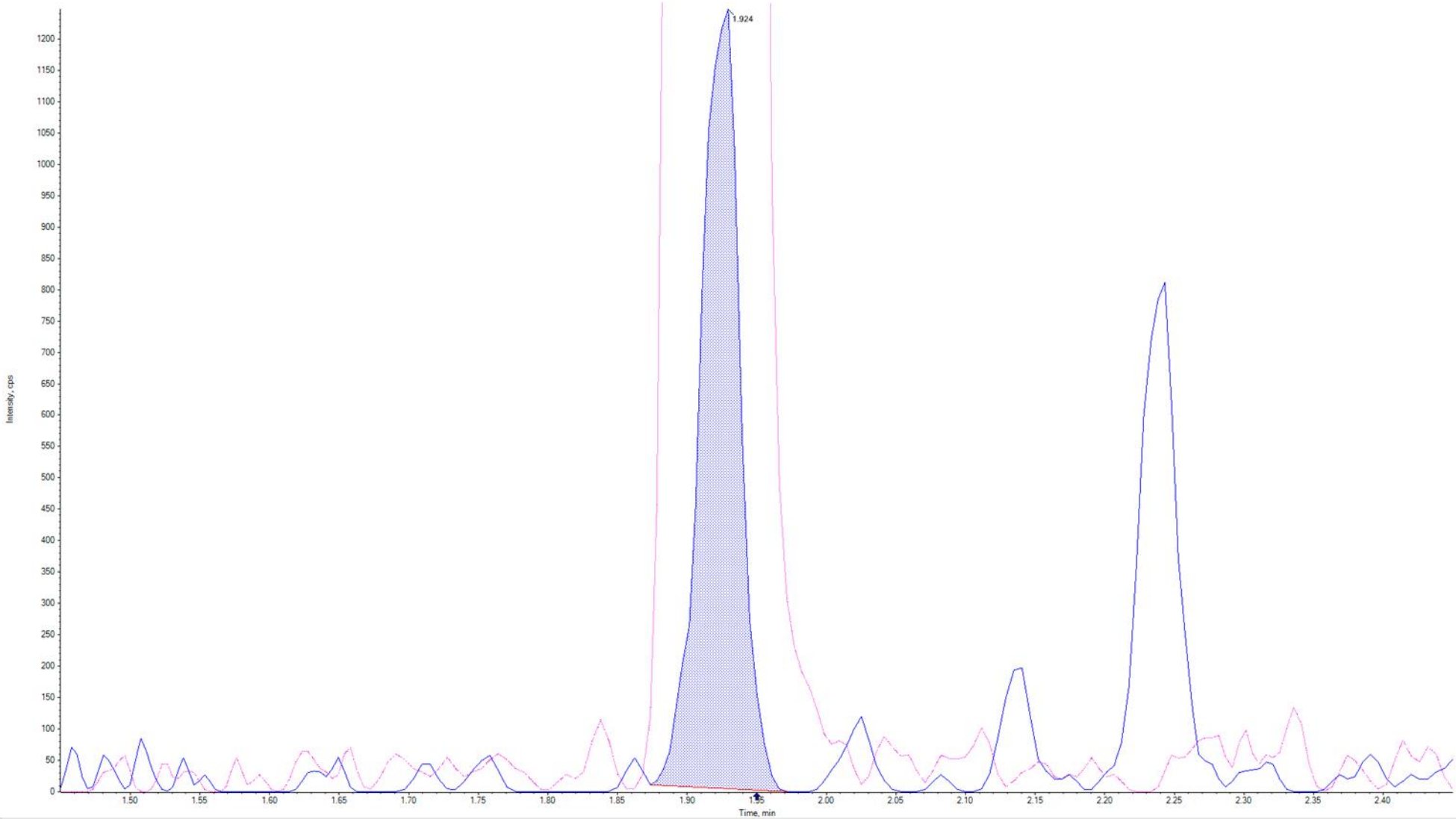
4:2FTS
Sample: WG1997639-2,INSTBLANK S/N:106.0 Points Across peak:27



4:2FTS_2
Sample: WG1997639-2,INSTBLANK S/N:46.7 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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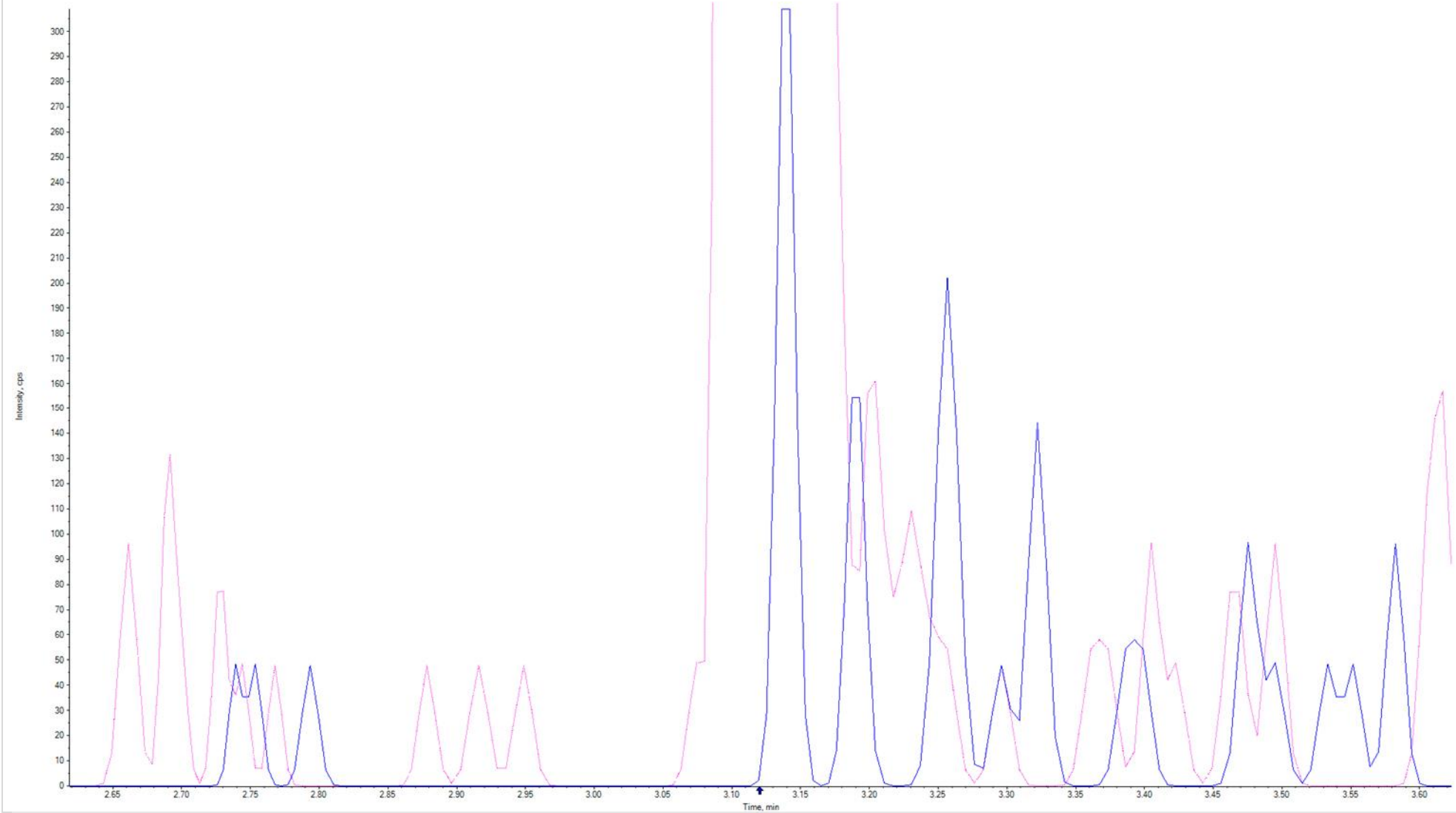
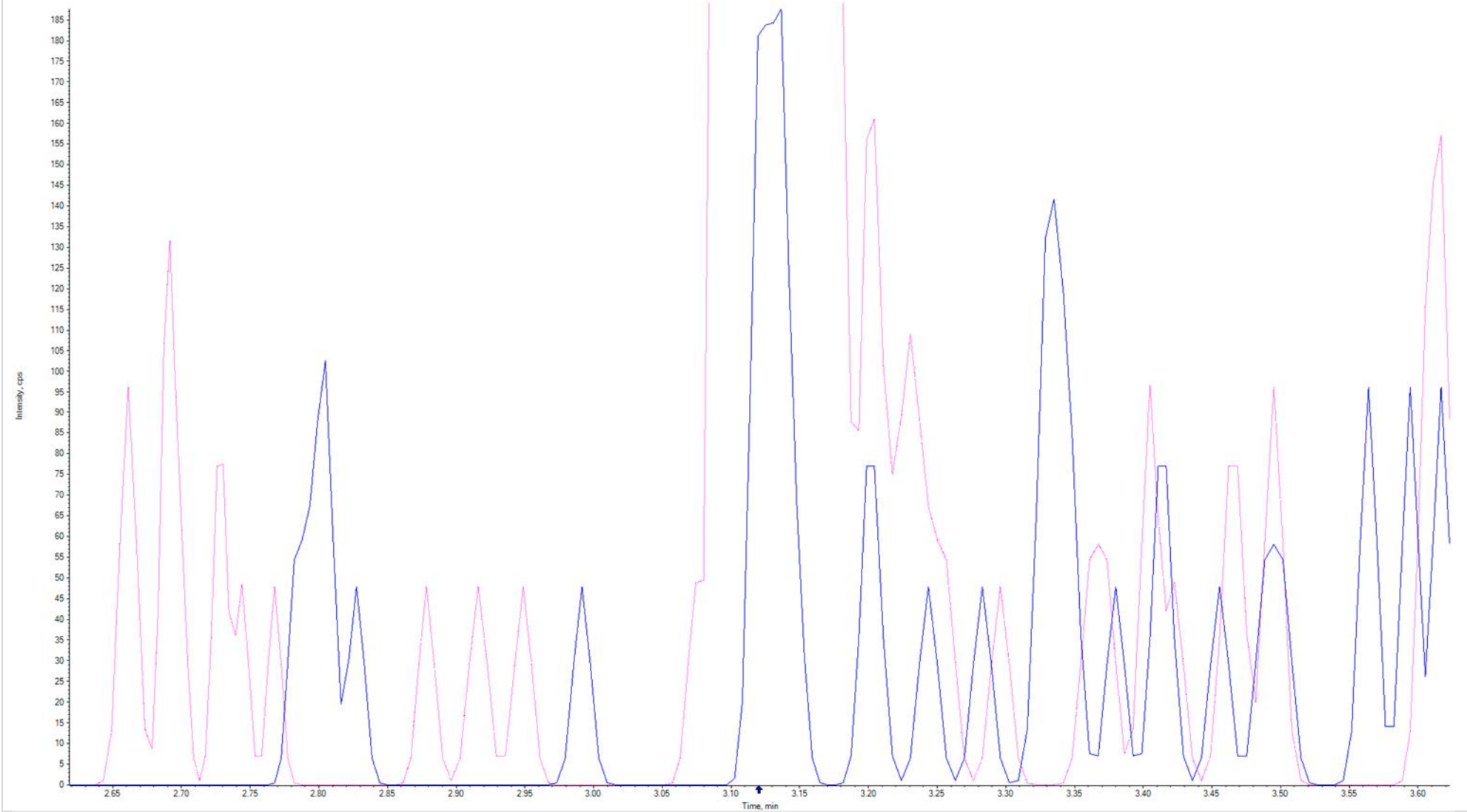
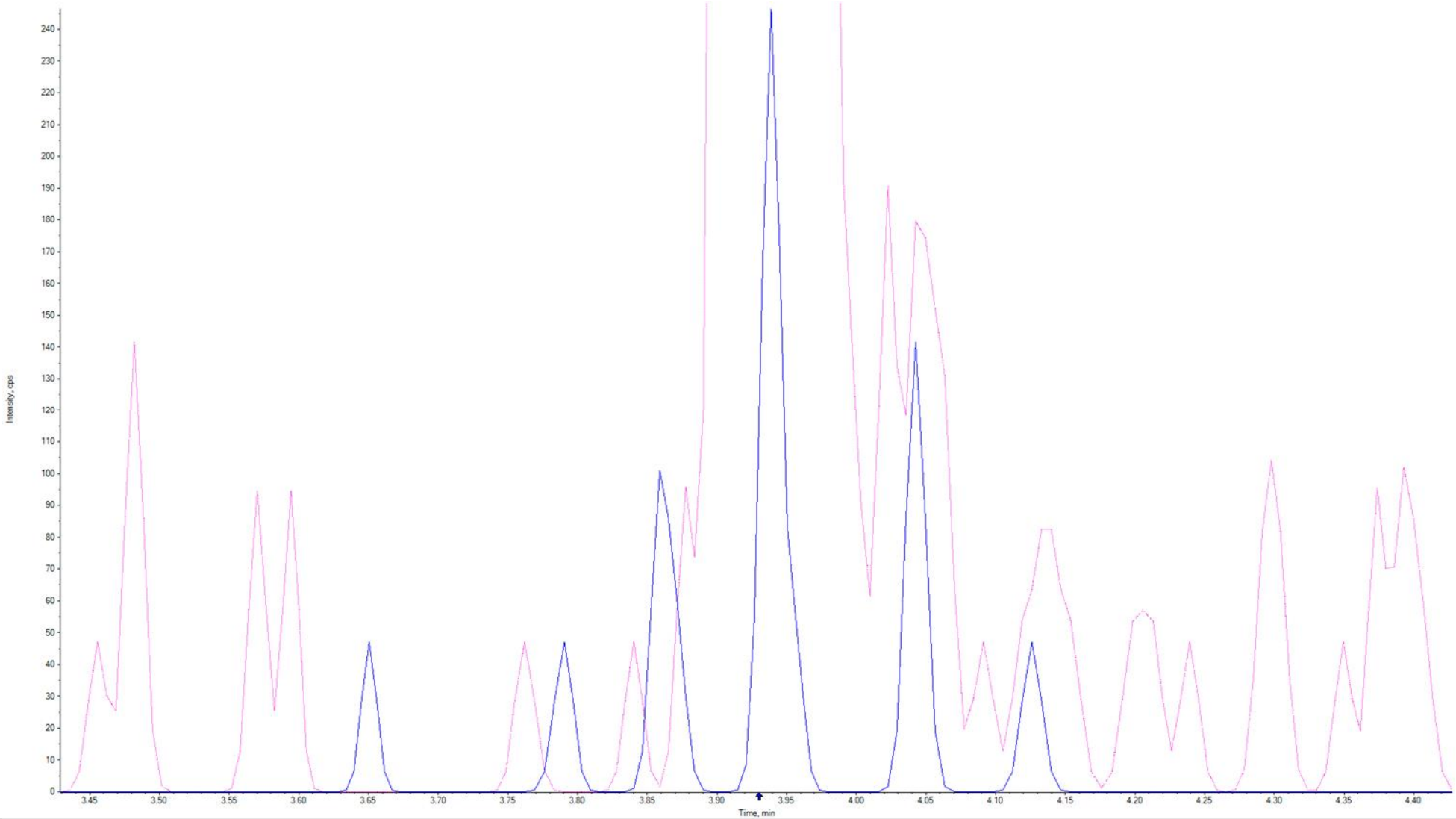
6:2FTS
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



6:2FTS_2
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



8:2FTS
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



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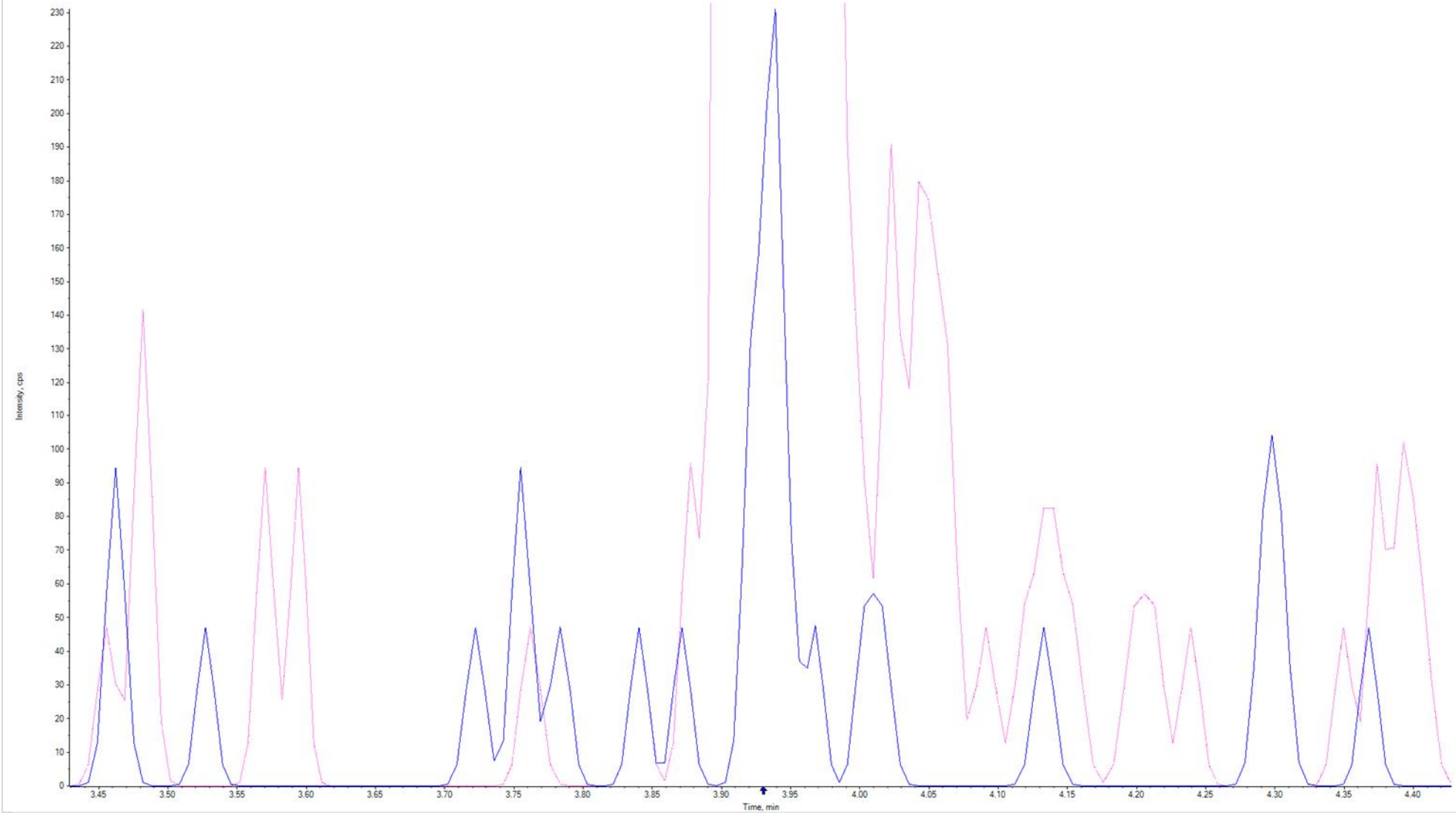

PFOSA
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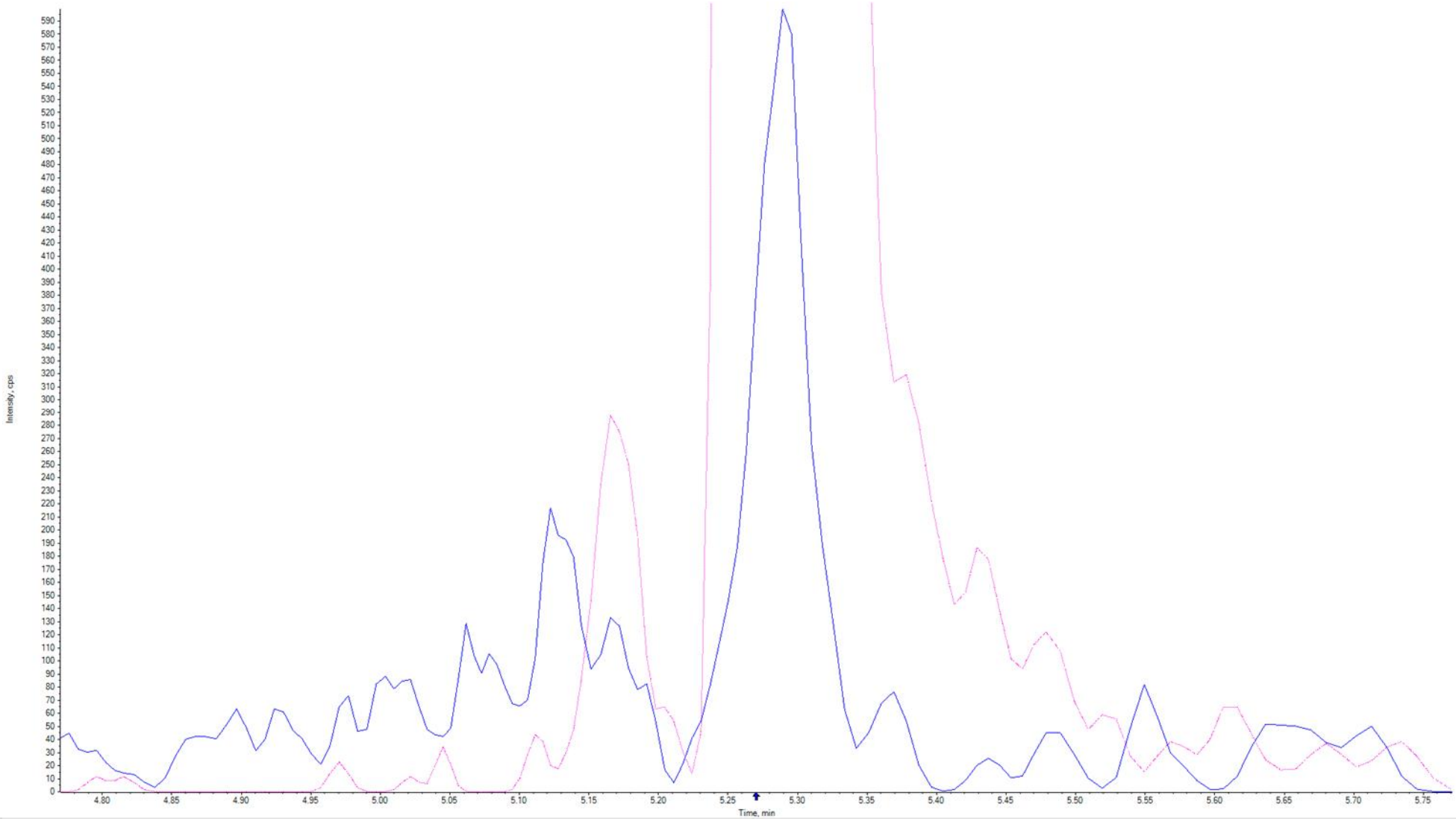

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PFOSA_2
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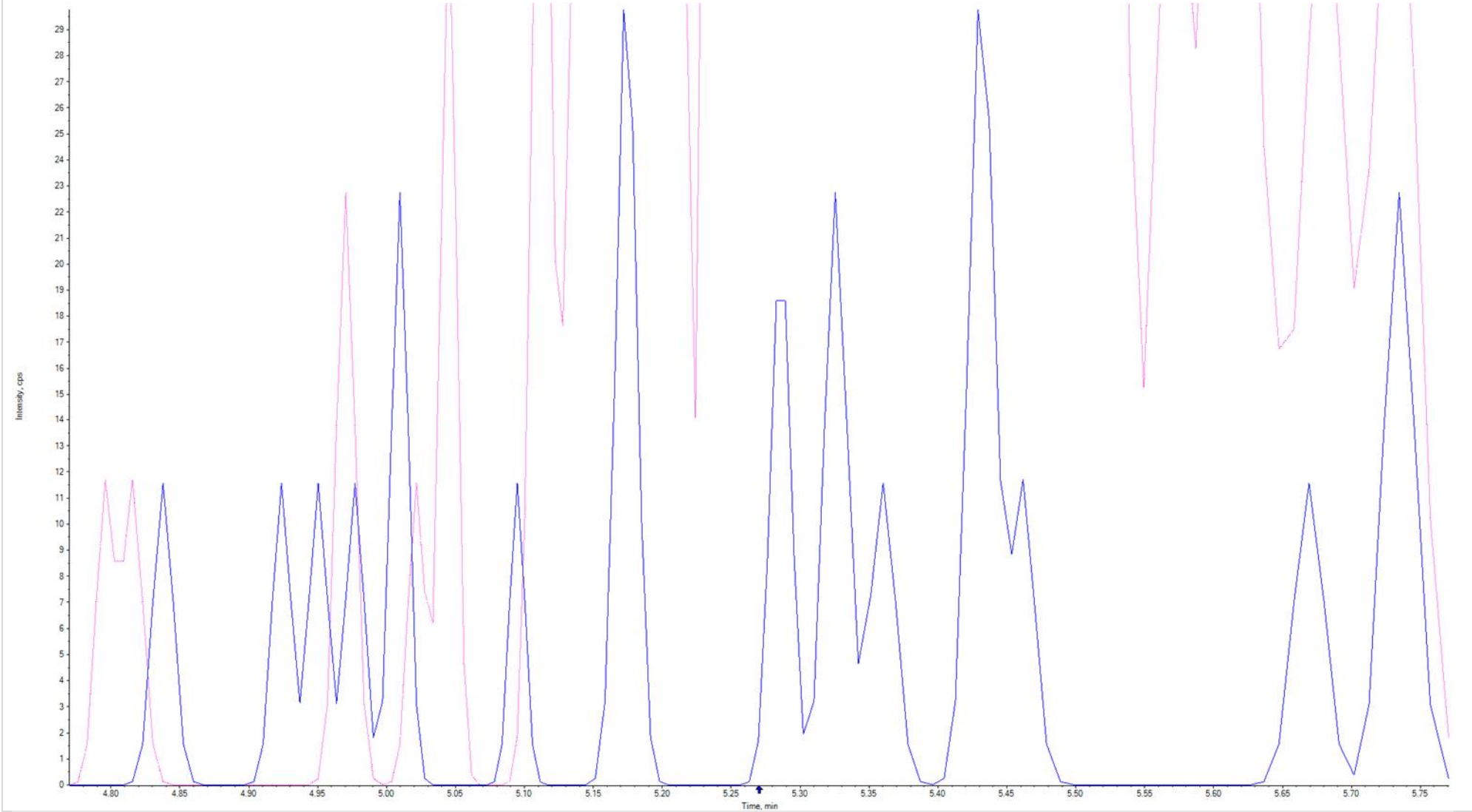

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NMeFOSA
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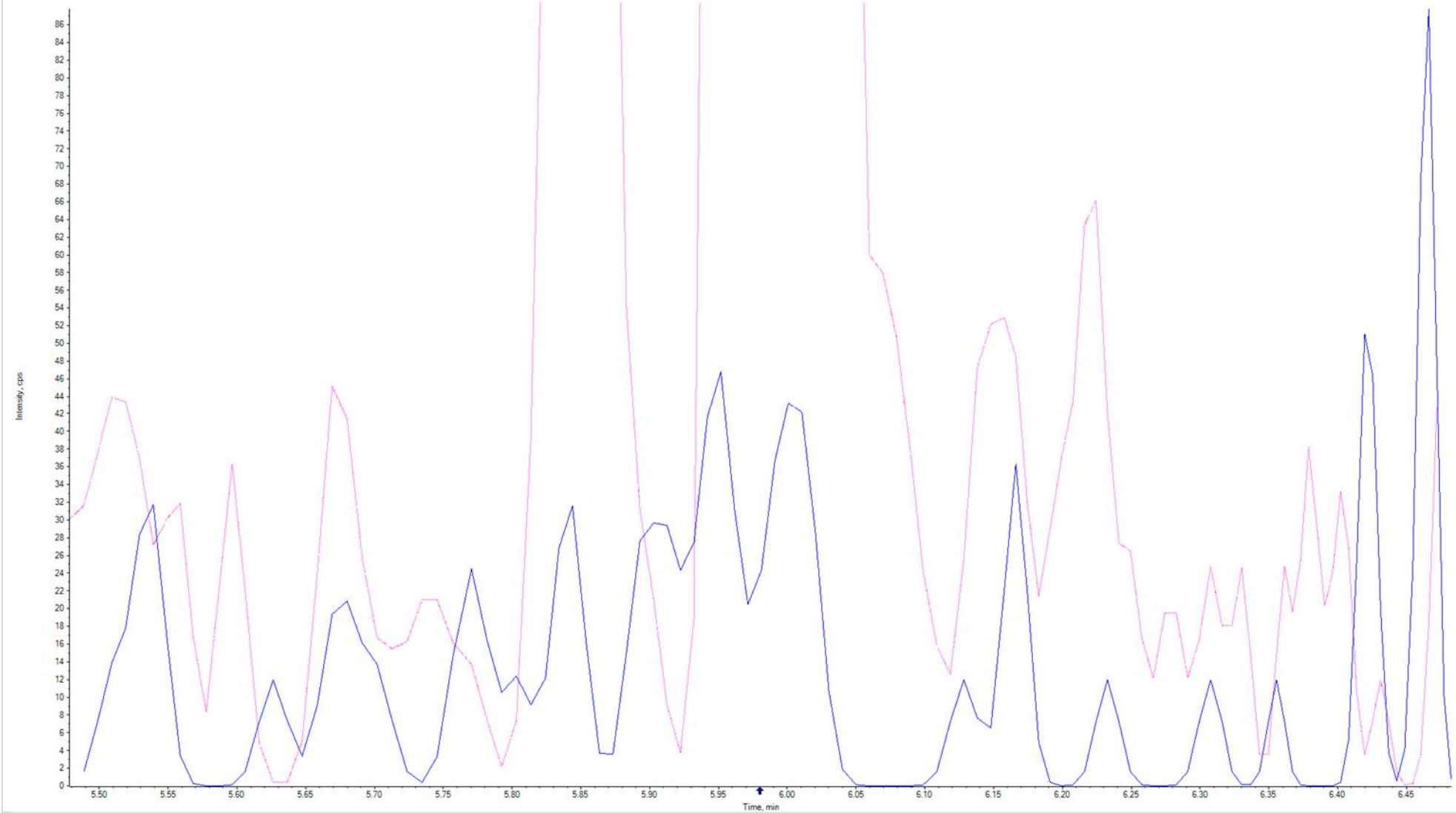

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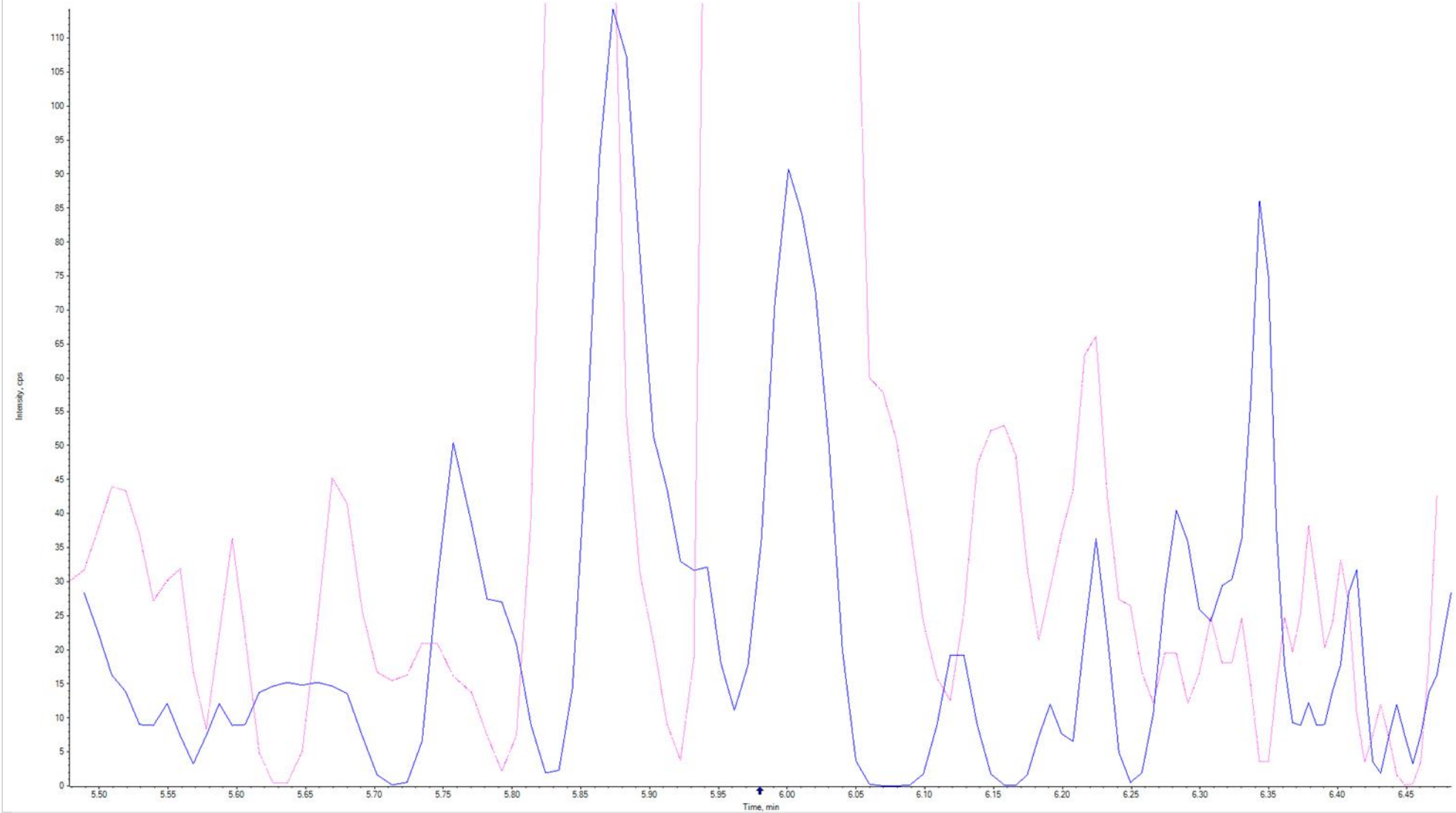

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NEtFOSA
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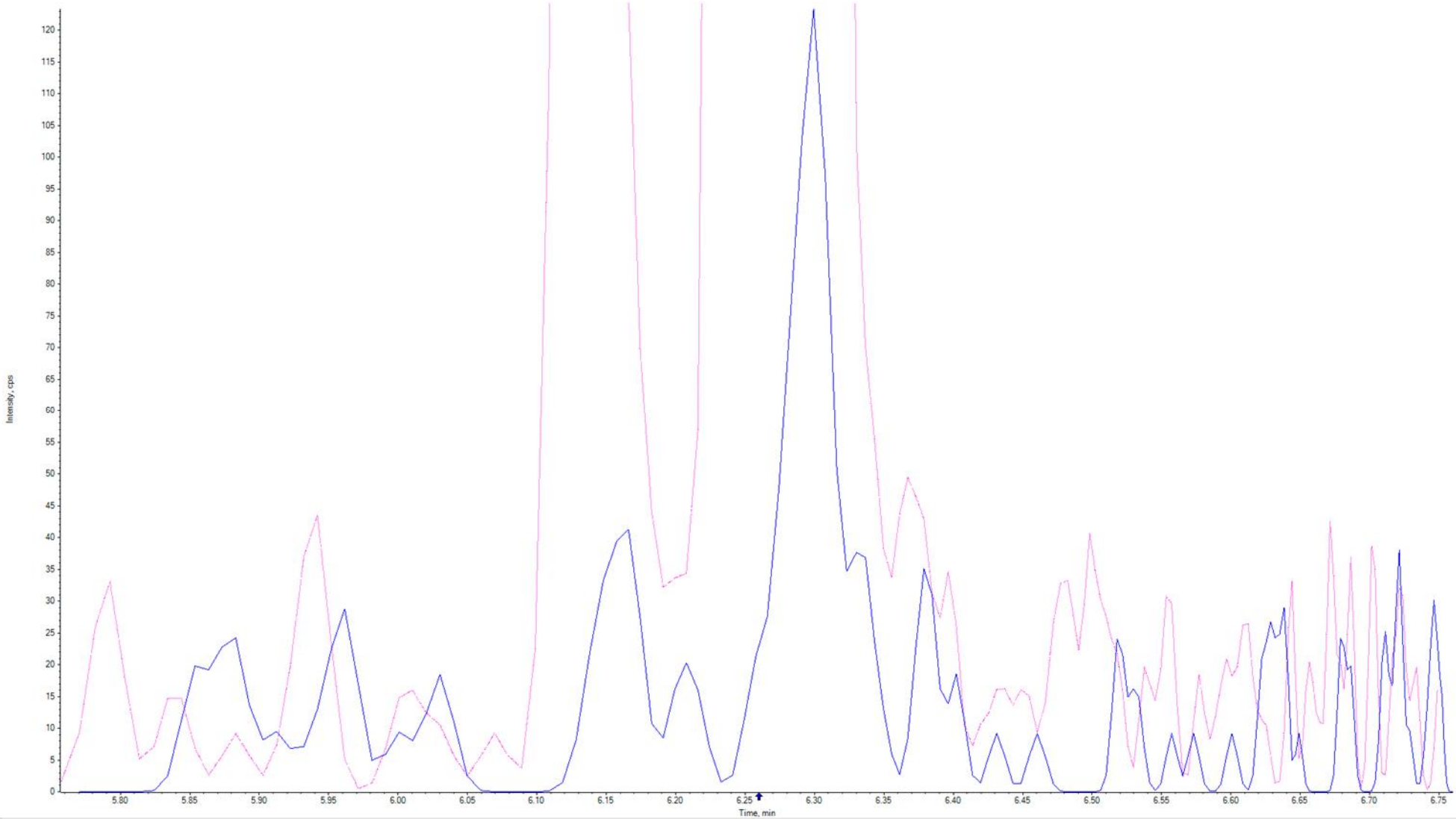

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NEtFOSA_2
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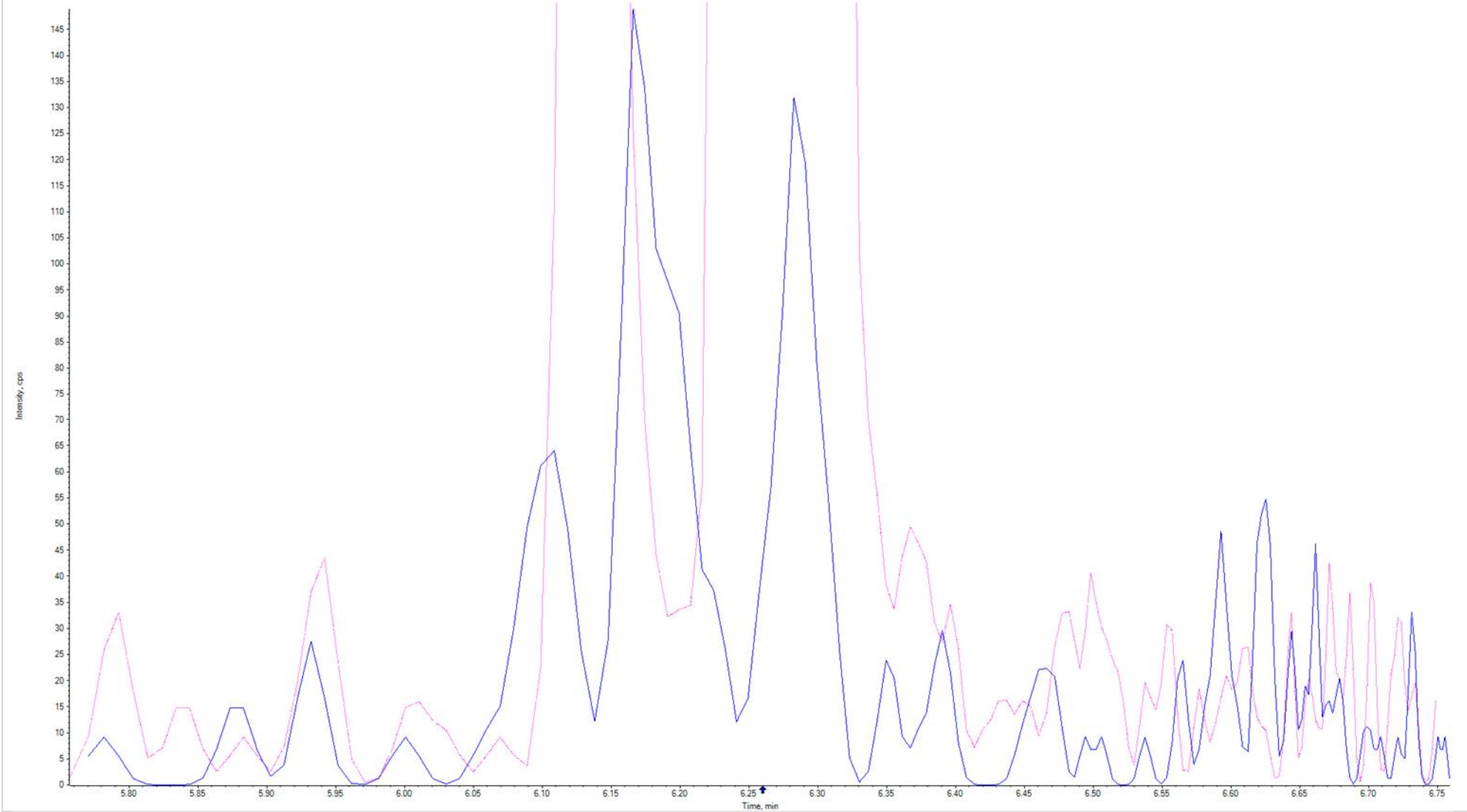

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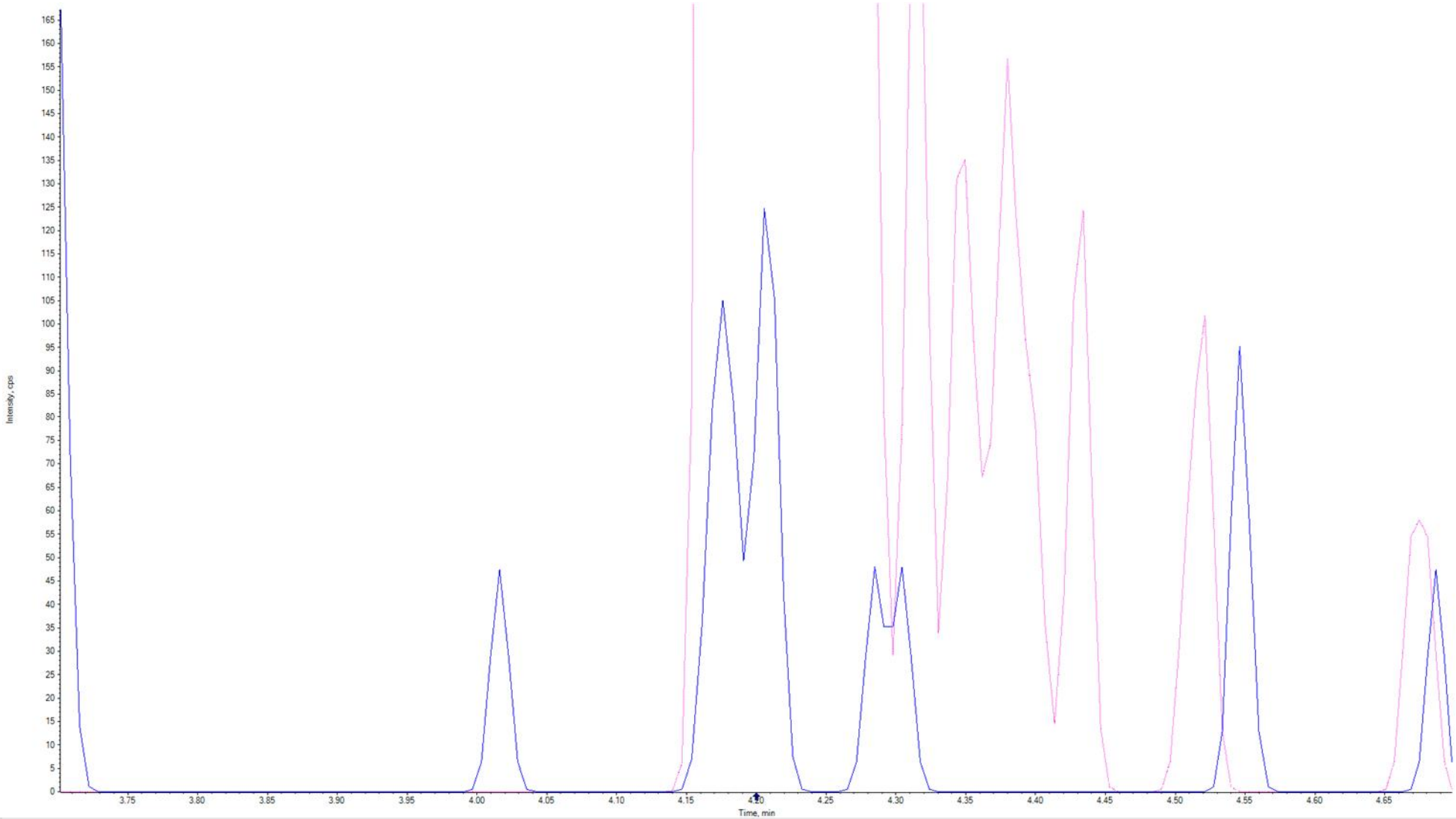

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NMeFOSAA_2
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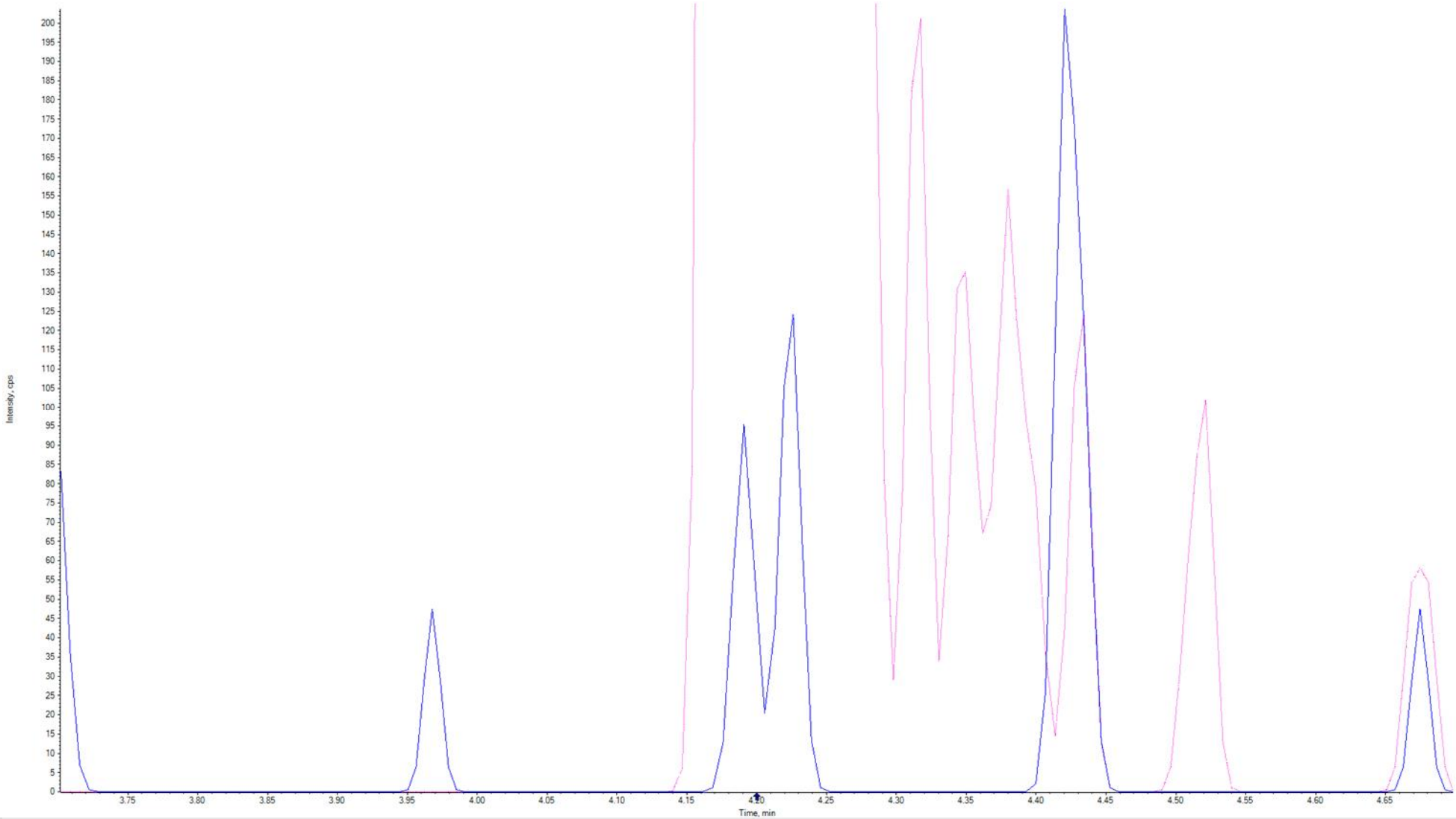

NEtFOSAA
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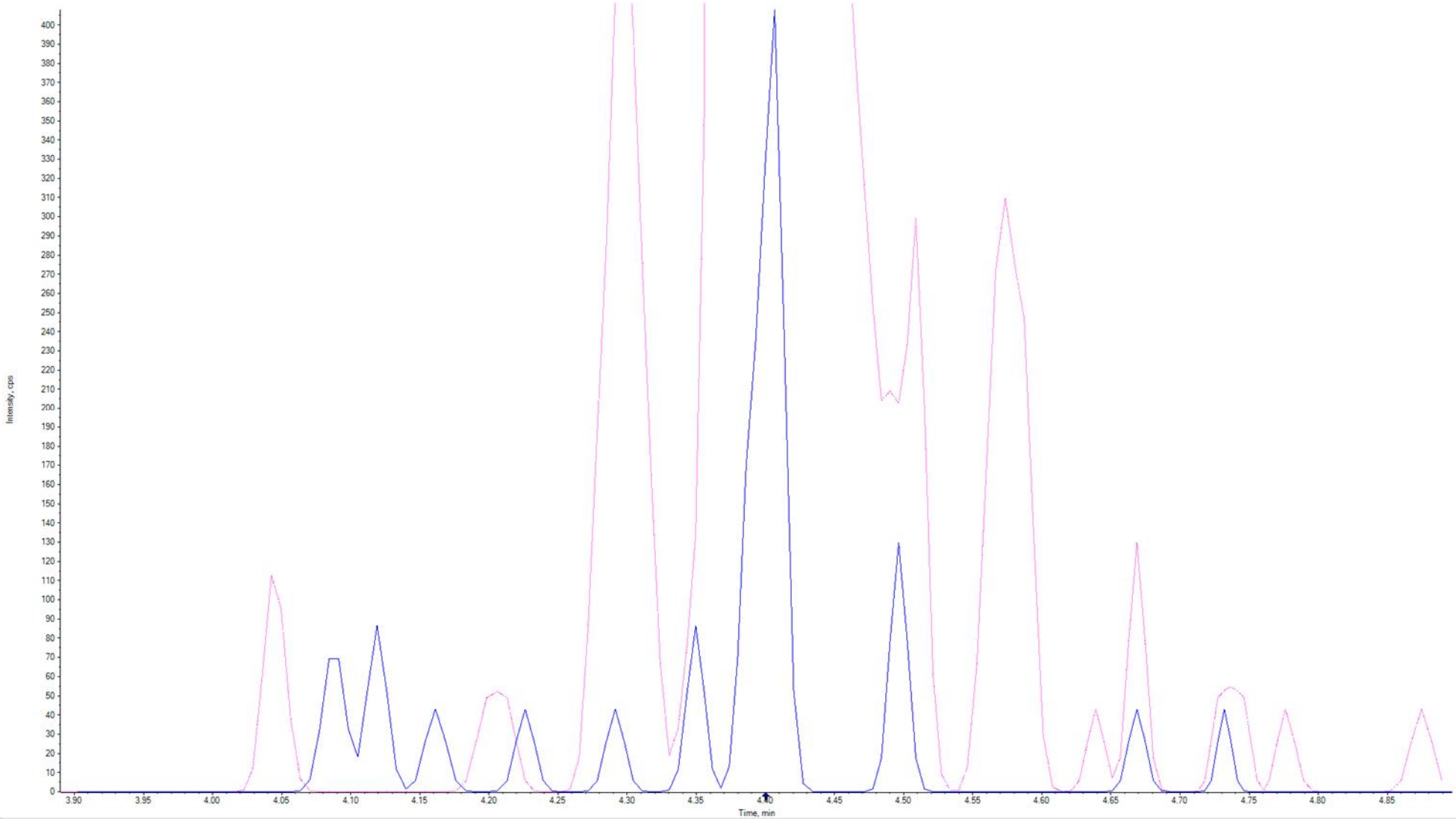

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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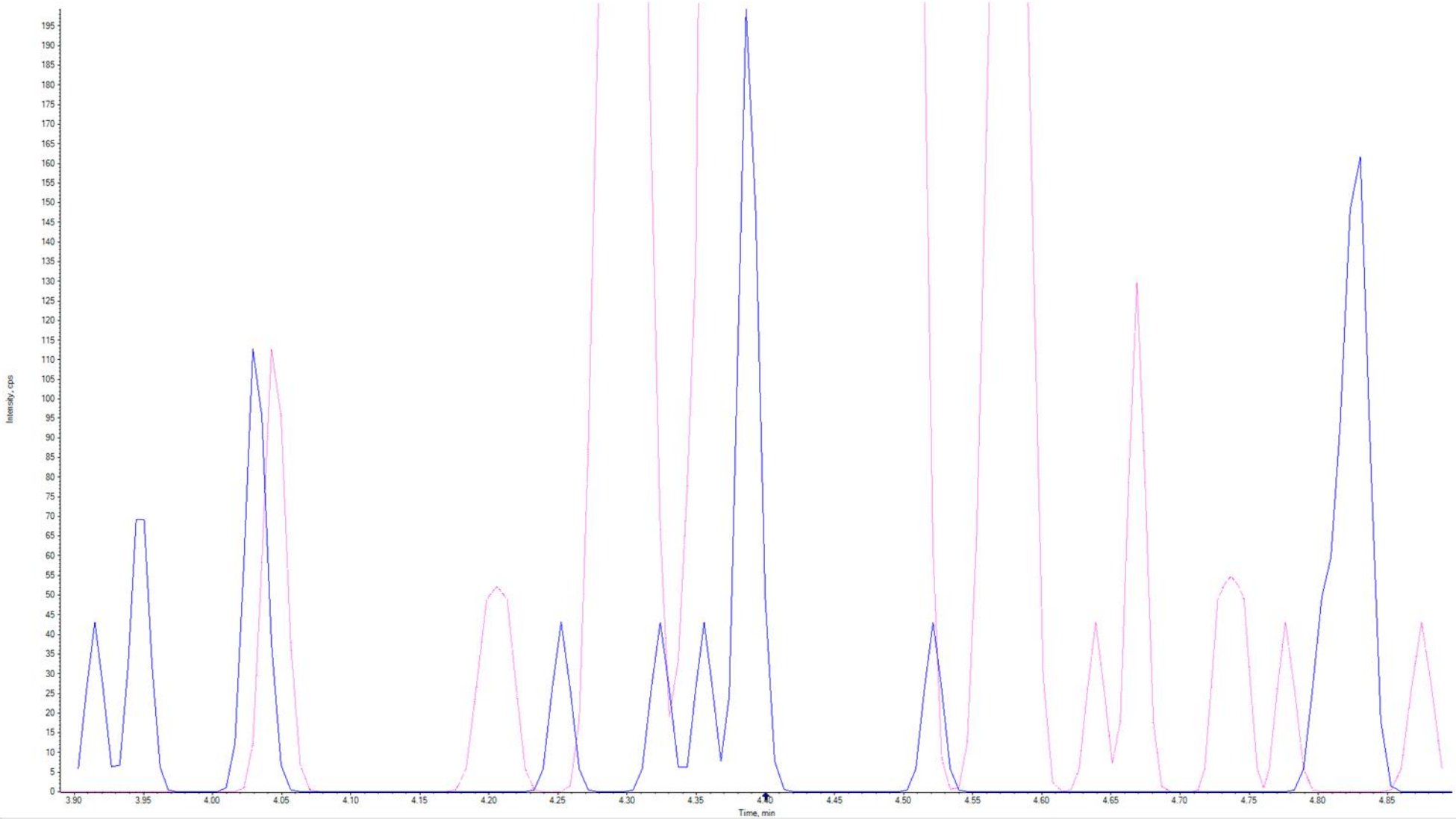

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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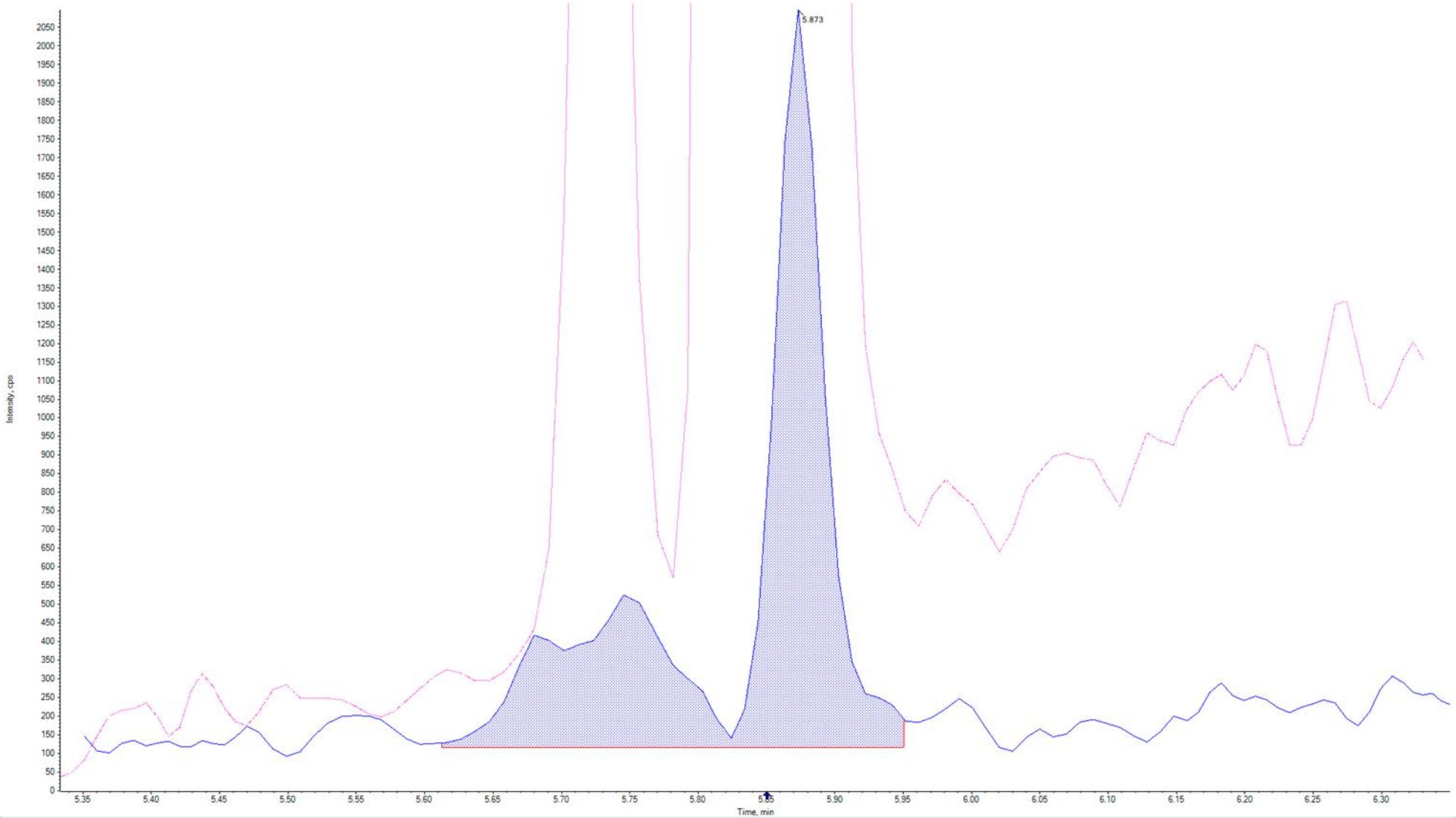
NMeFOSE
Sample: WG1997639-2,INSTBLANK S/N:68.4 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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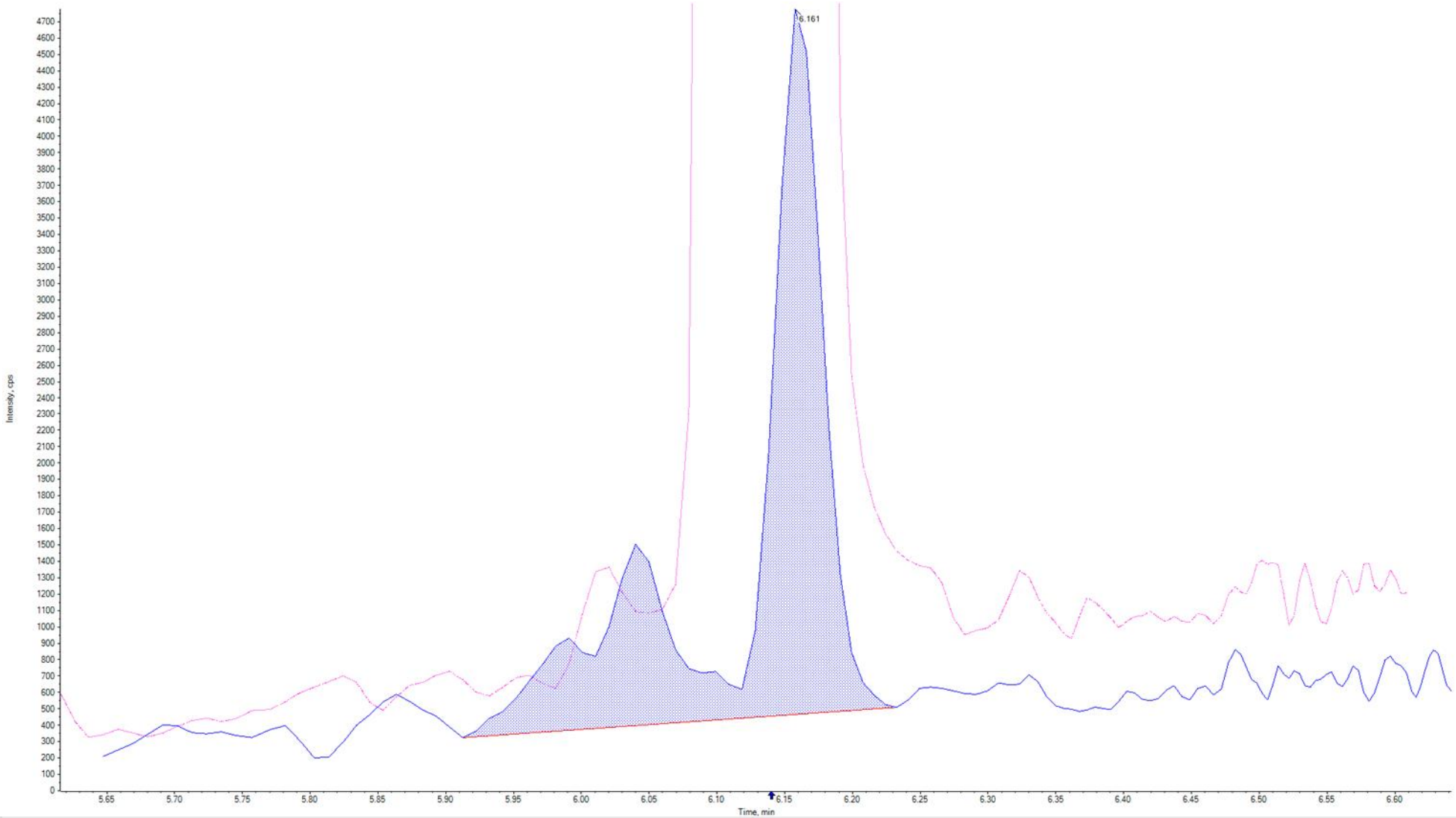
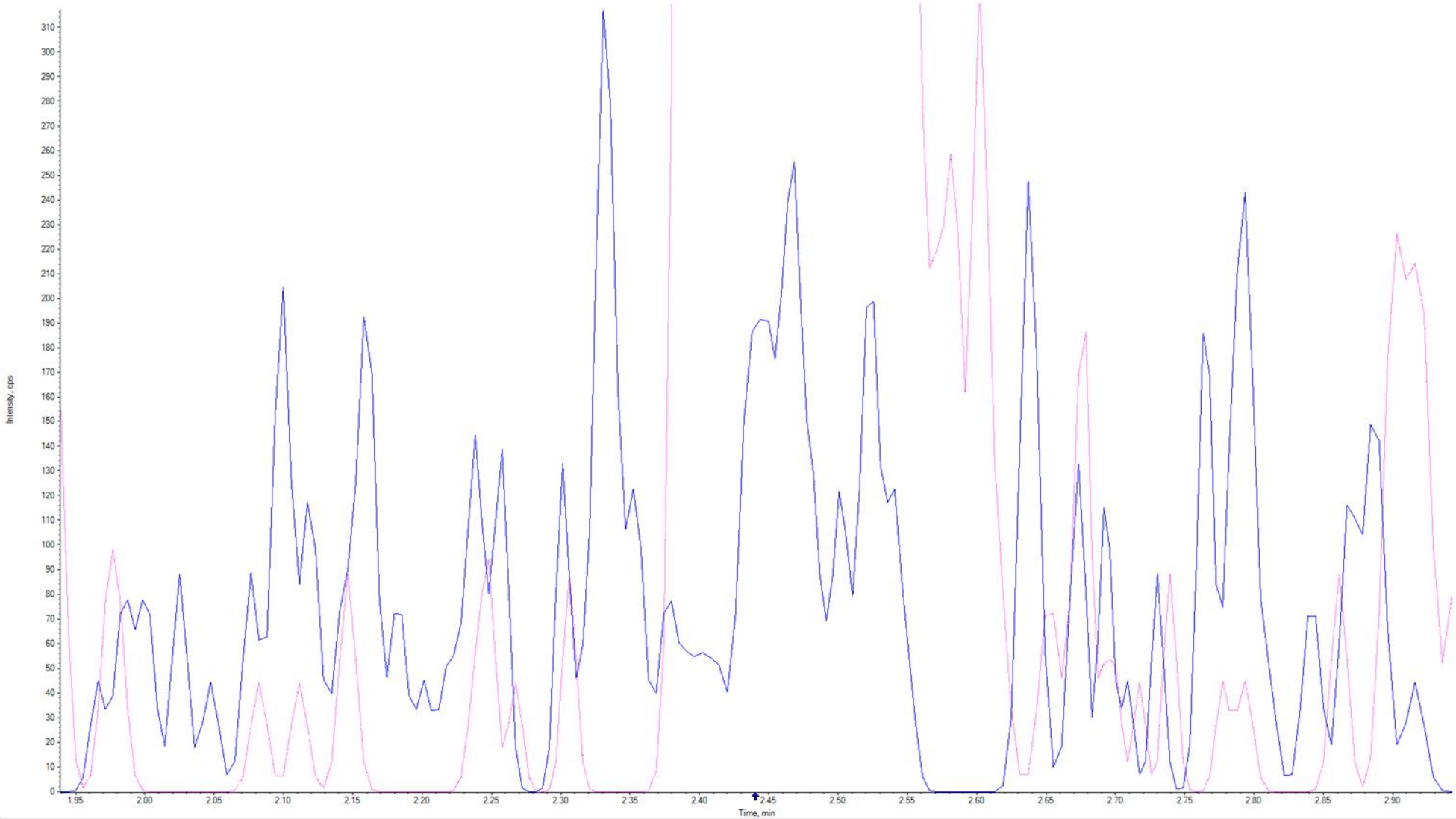
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

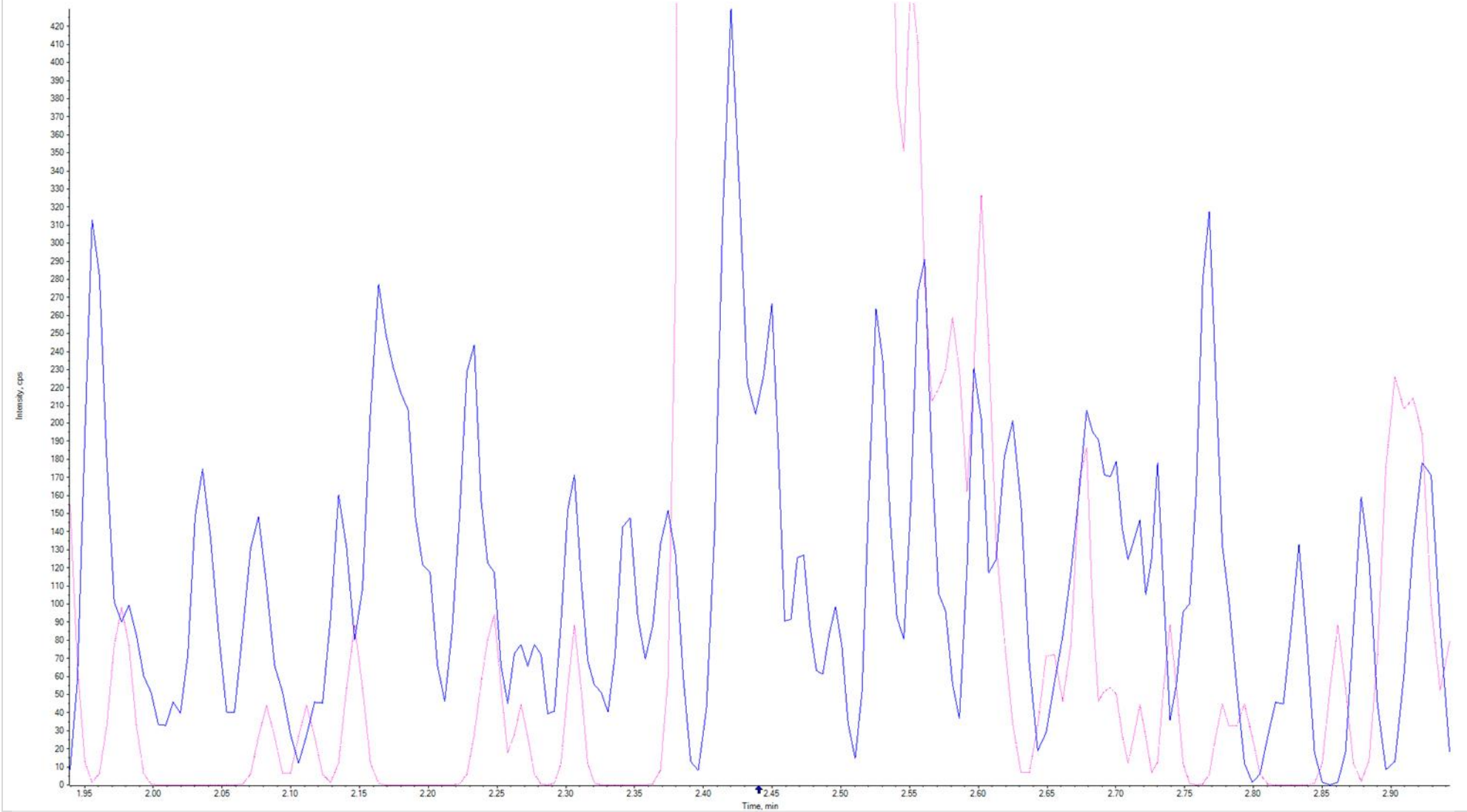
NEtFOSE
Sample: WG1997639-2,INSTBLANK S/N:58.2 Points Across peak:35



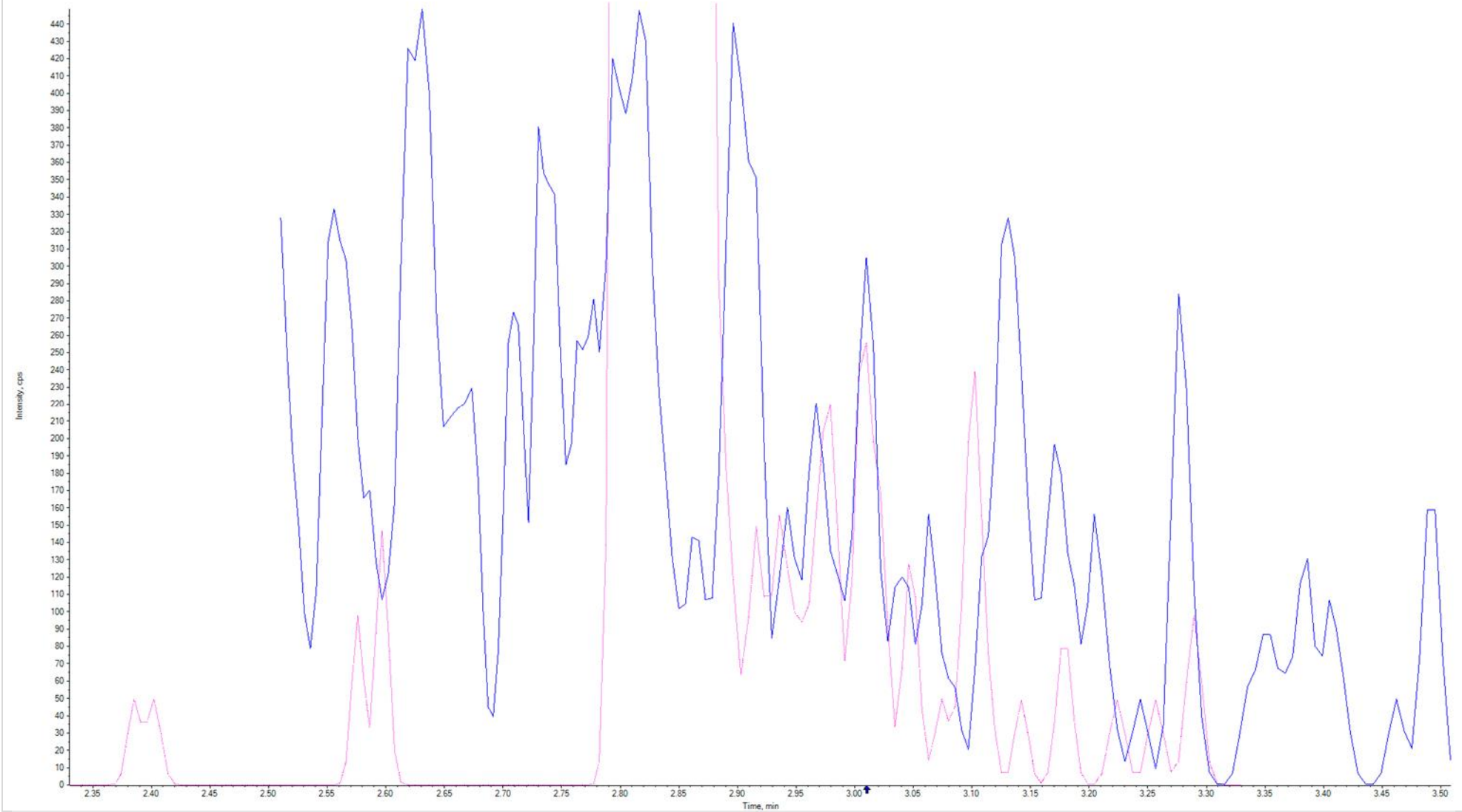
HFPO-DA
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



HFPO-DA_2
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A

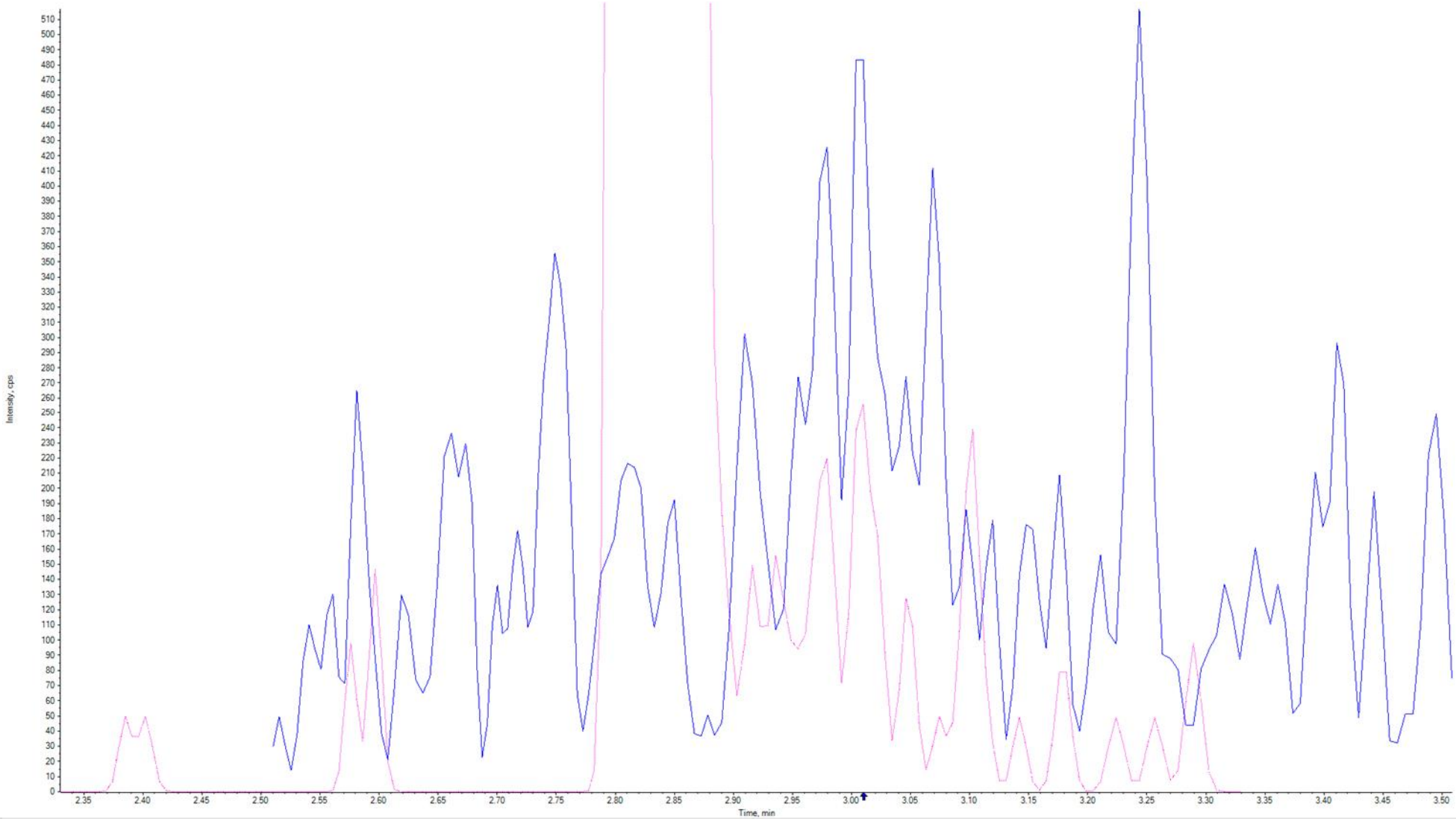


ADONA
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_16.wiff2_2
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

ADONA_2
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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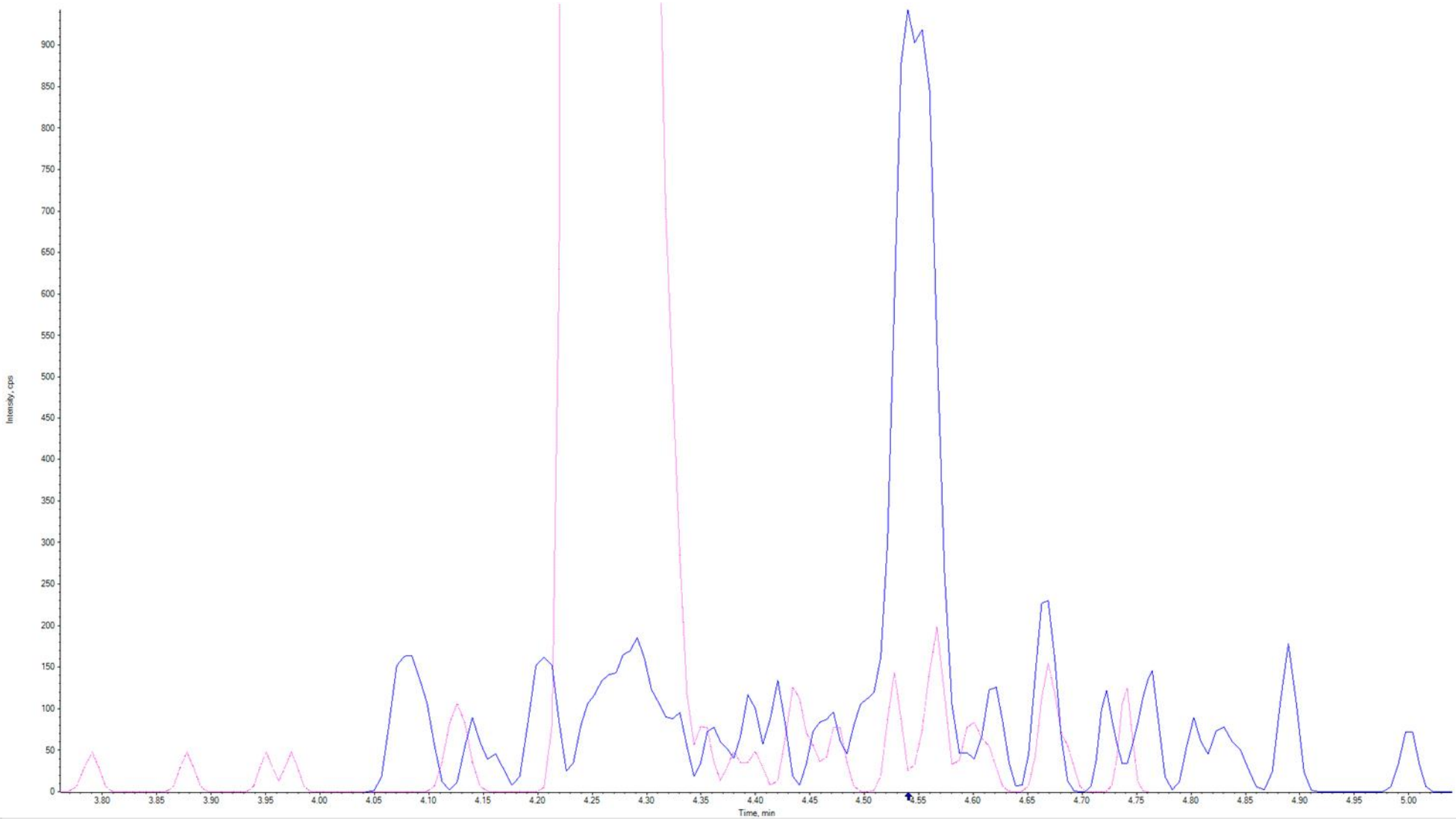
9Cl-PF3ONS
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



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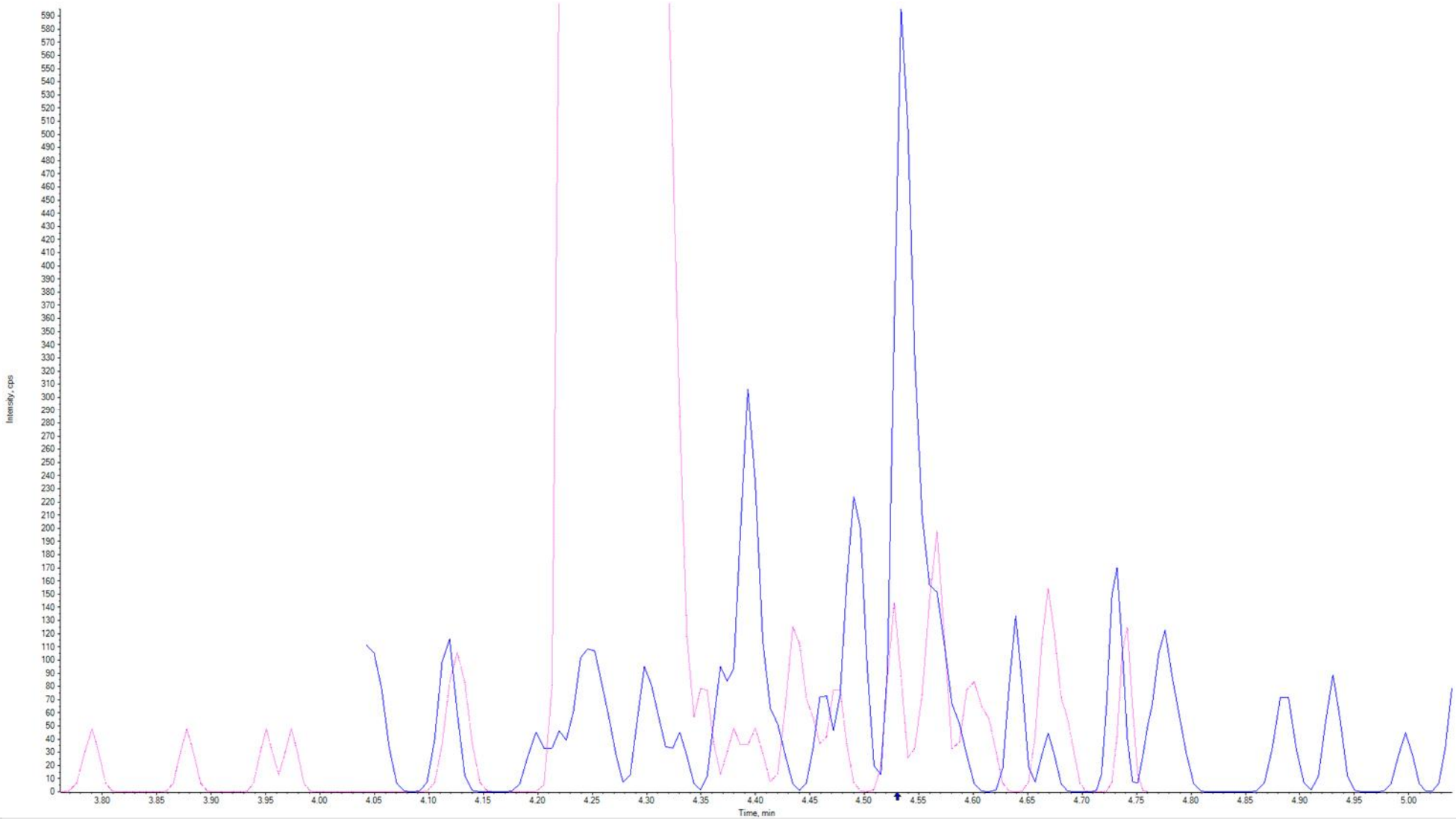
9Cl-PF3ONS_2
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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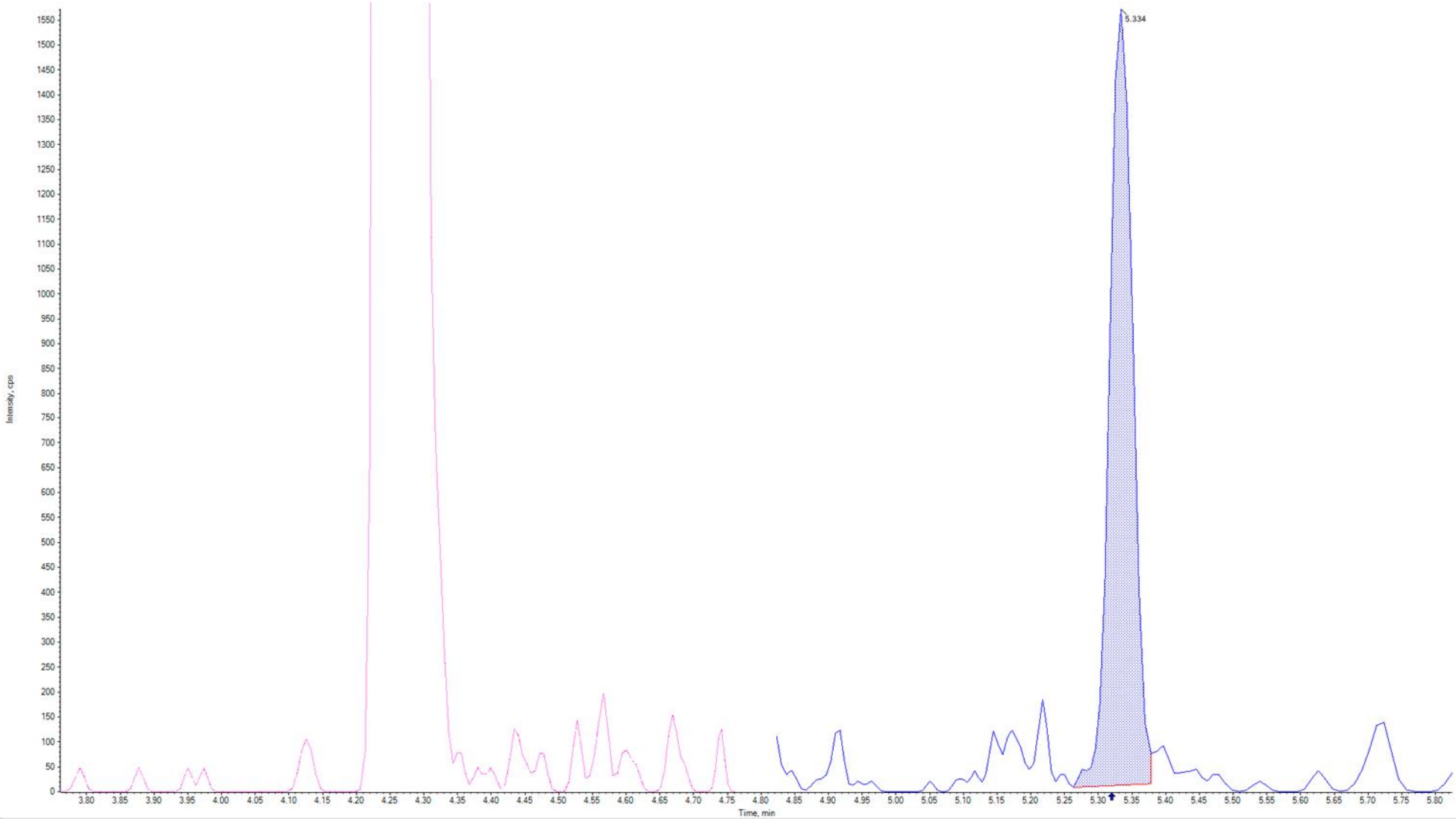
11Cl-PF3OUdS
Sample: WG1997639-2,INSTBLANK S/N:74.2 Points Across peak:16



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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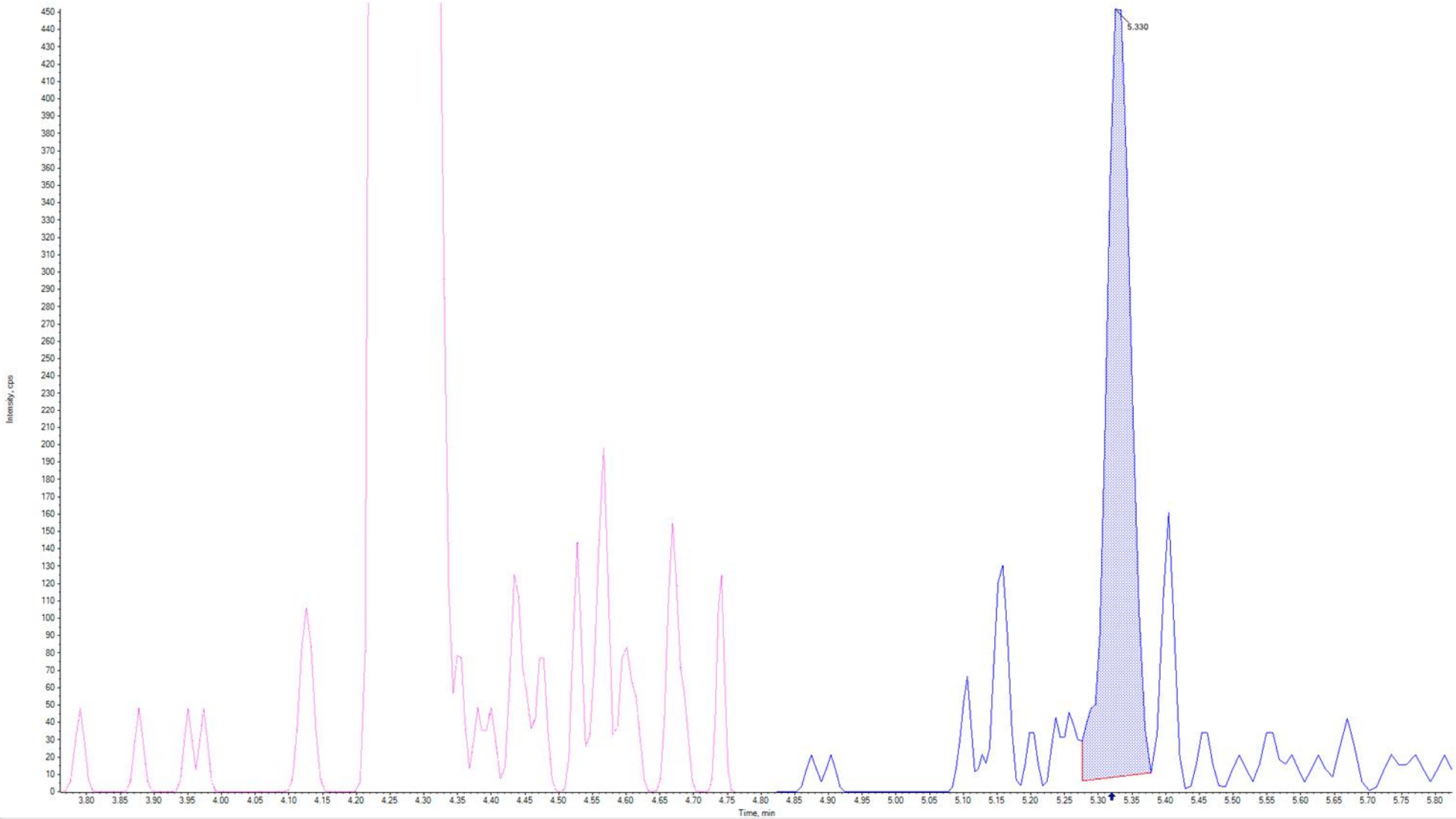
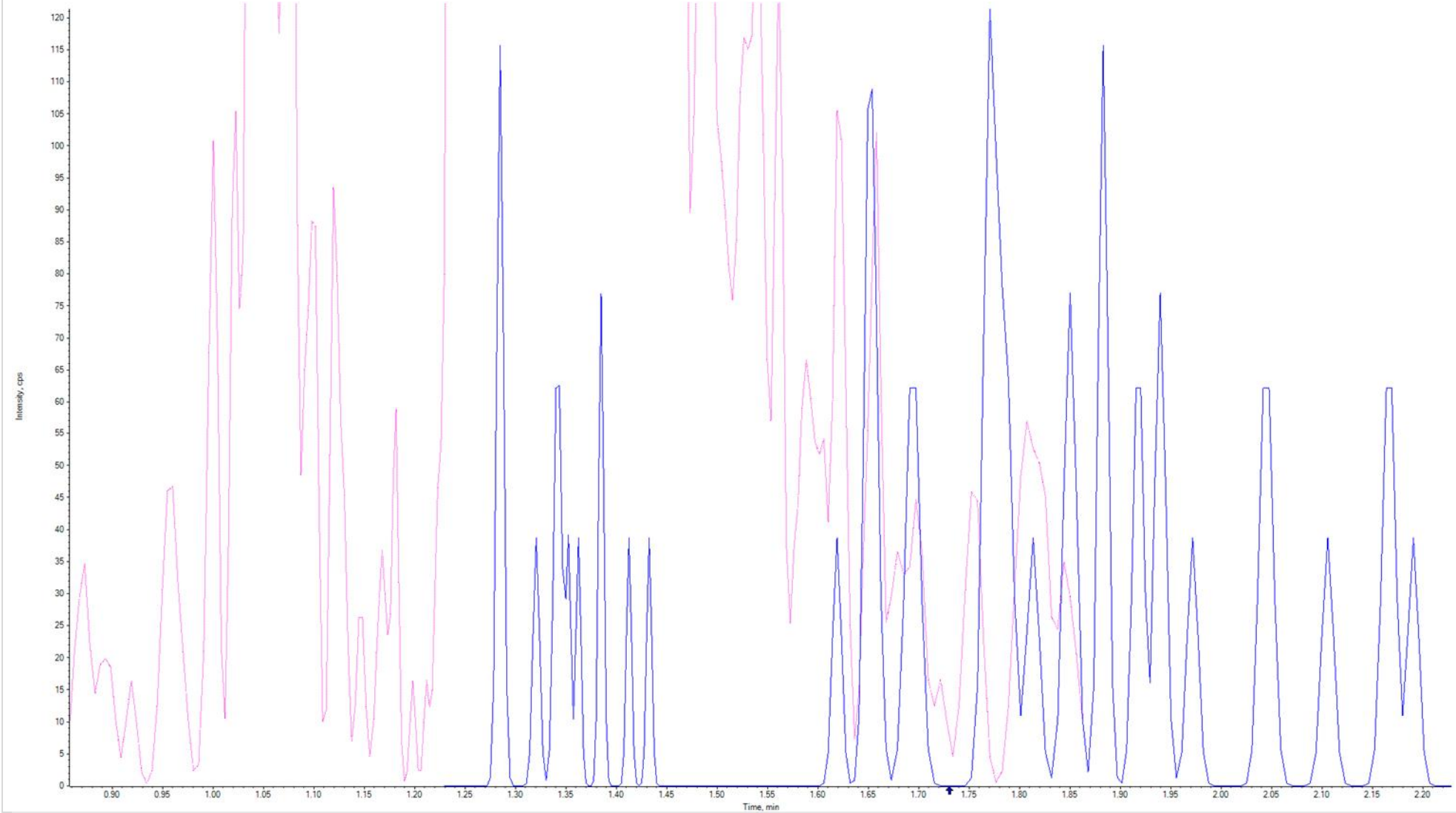
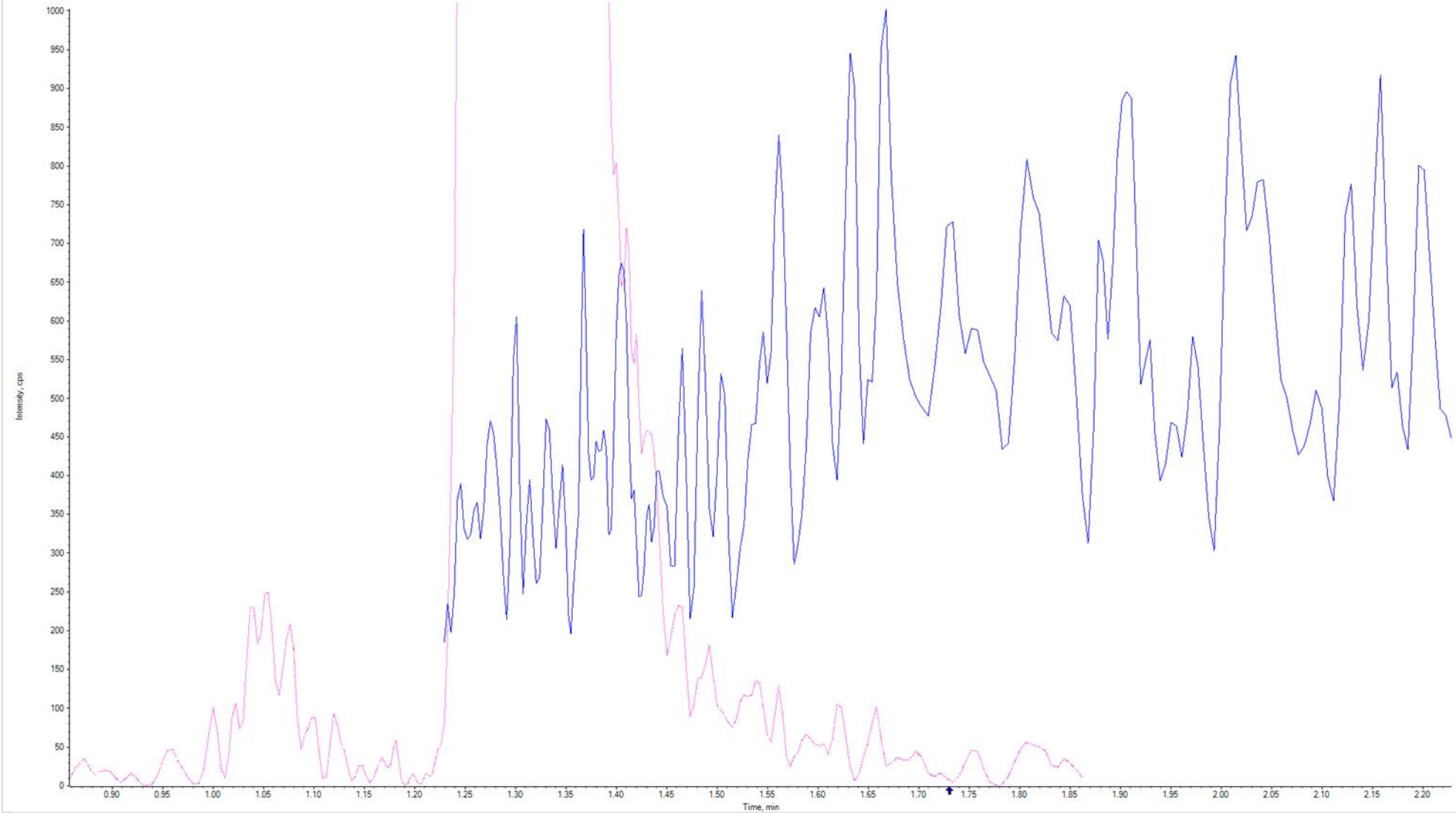
11Cl-PF3OUdS_2
Sample: WG1997639-2,INSTBLANK S/N:21.1 Points Across peak:14



3:3FTCA
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



3:3FTCA_2
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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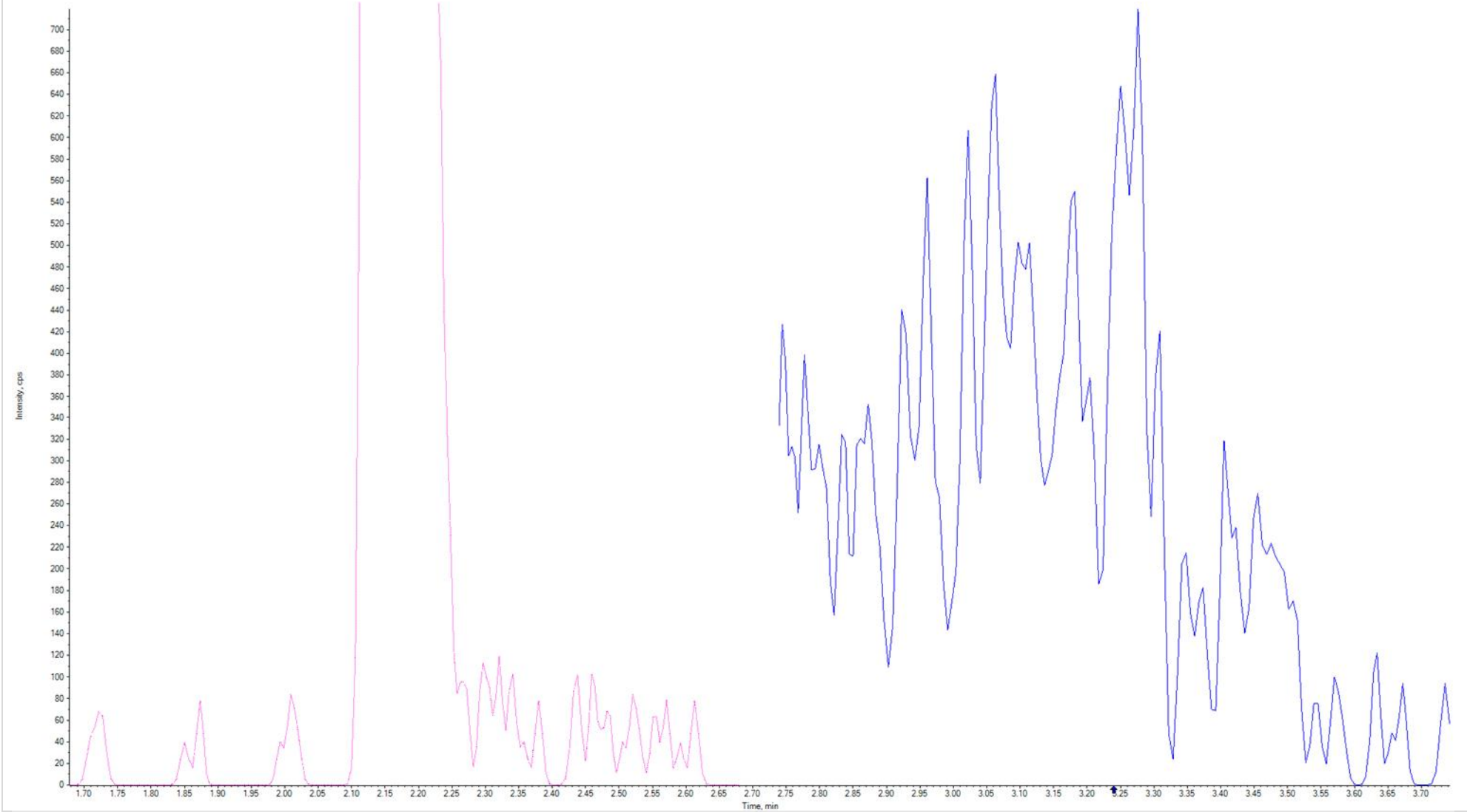
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

5:3FTCA
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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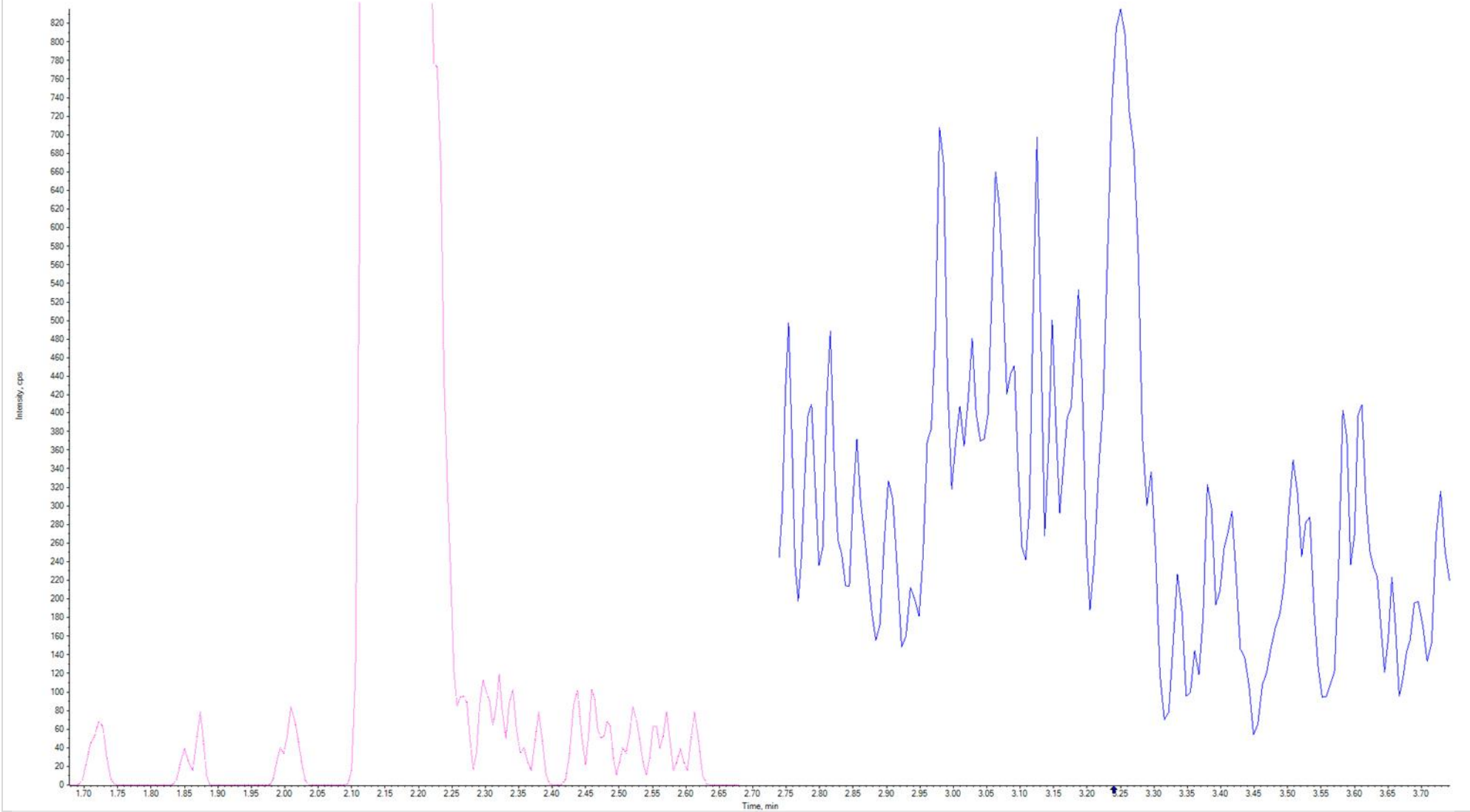
5:3FTCA_2
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:27:20 PM
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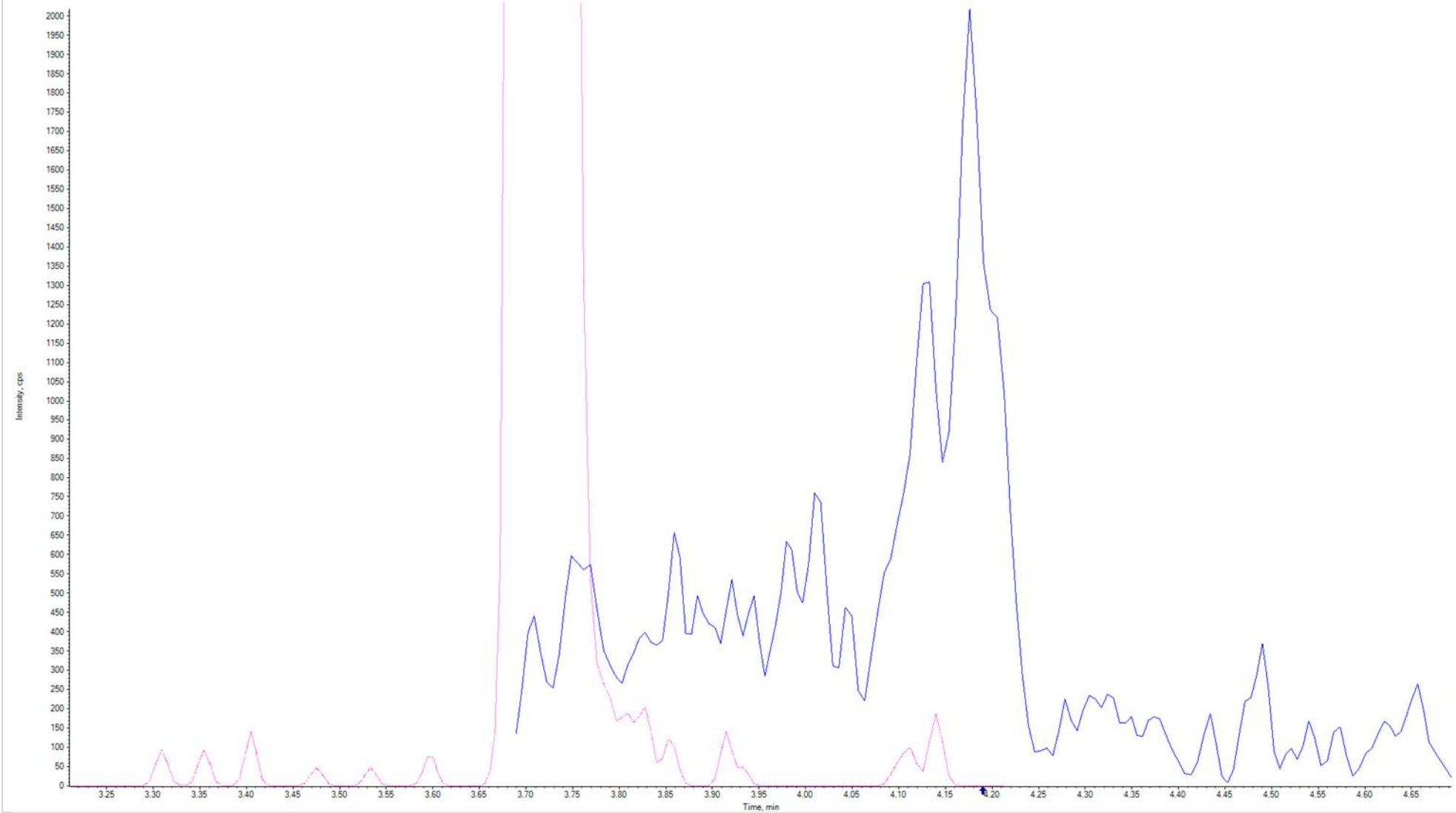
7:3FTCA
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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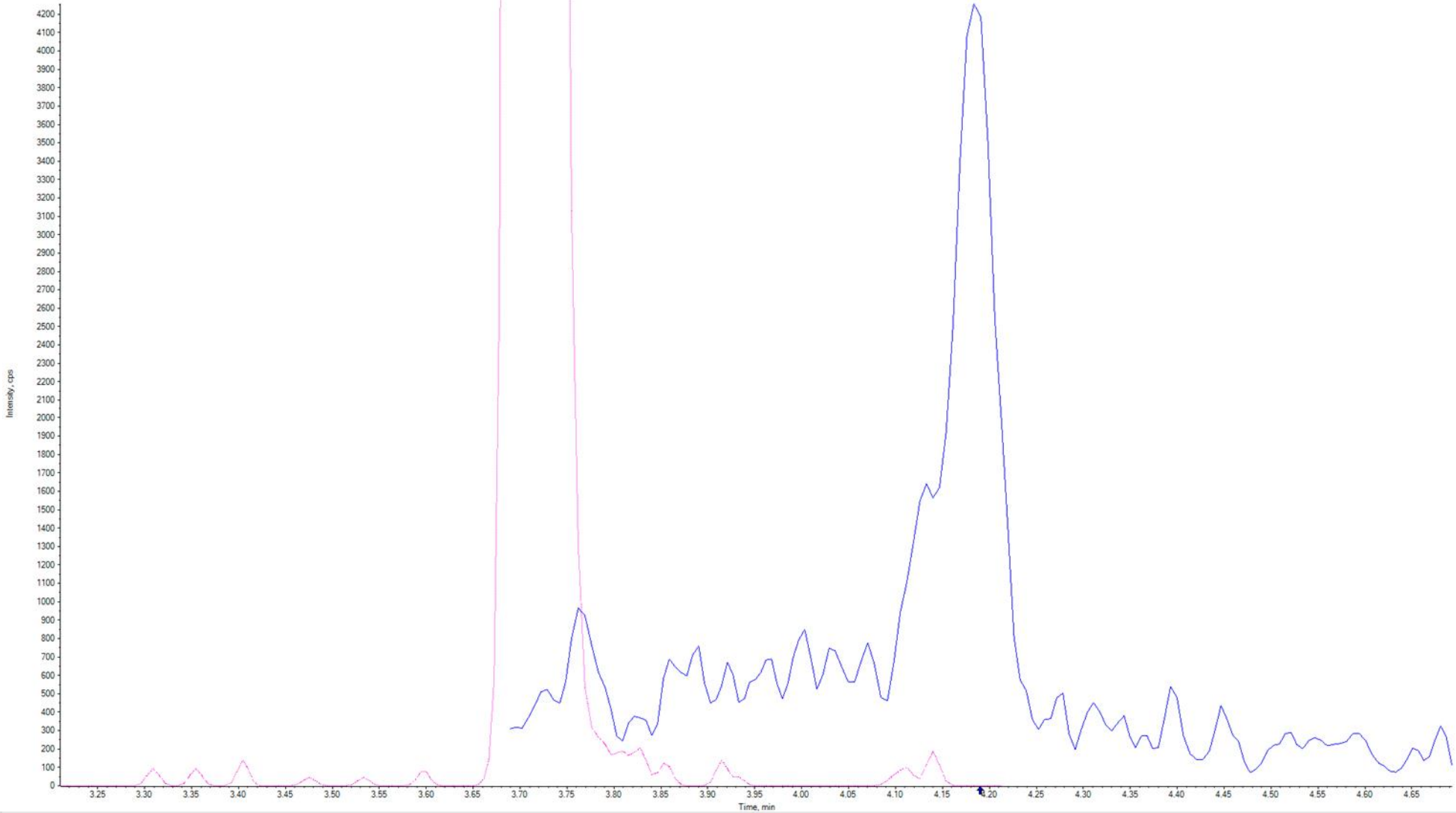
7:3FTCA_2
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



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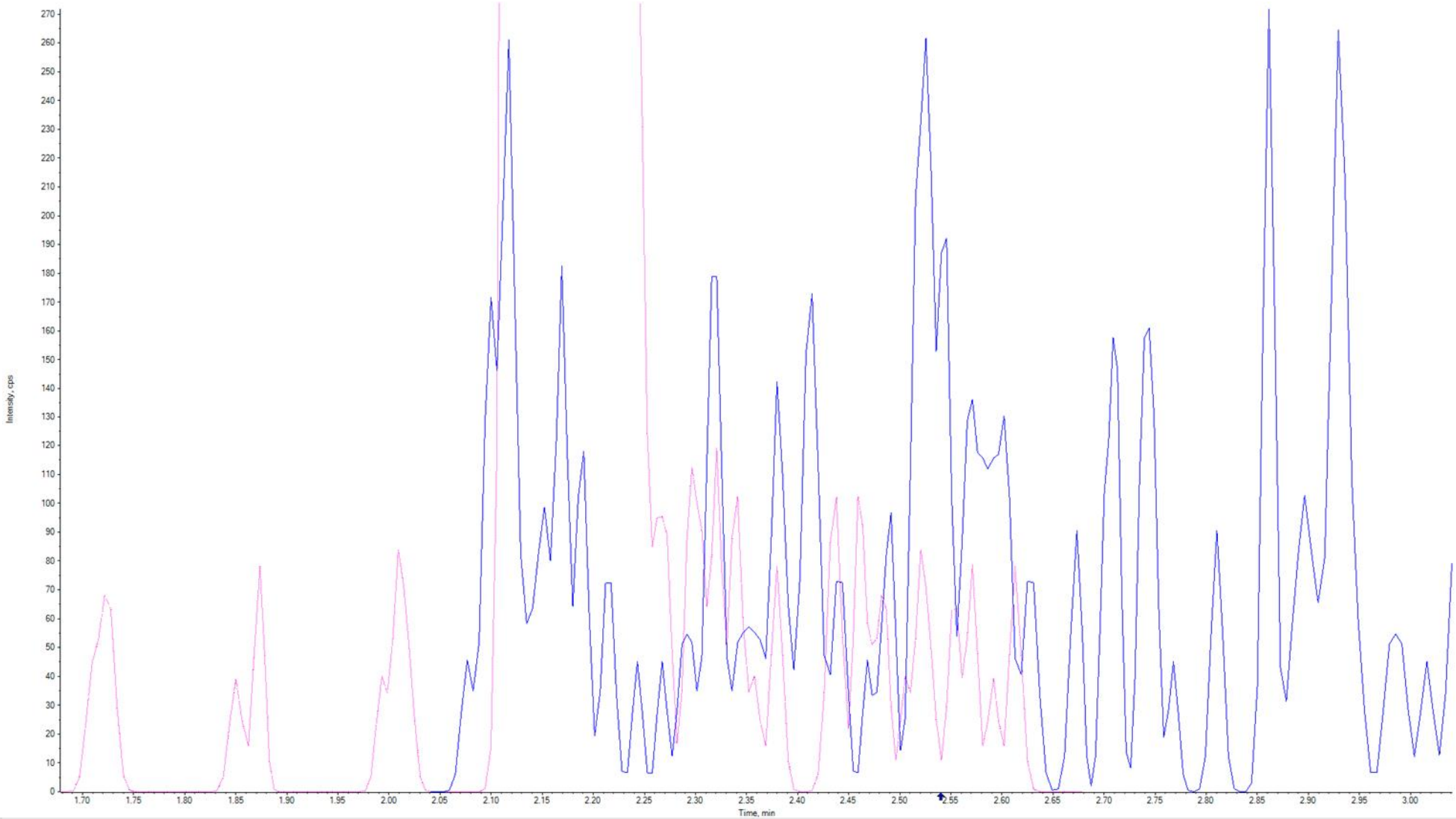
PFEESA
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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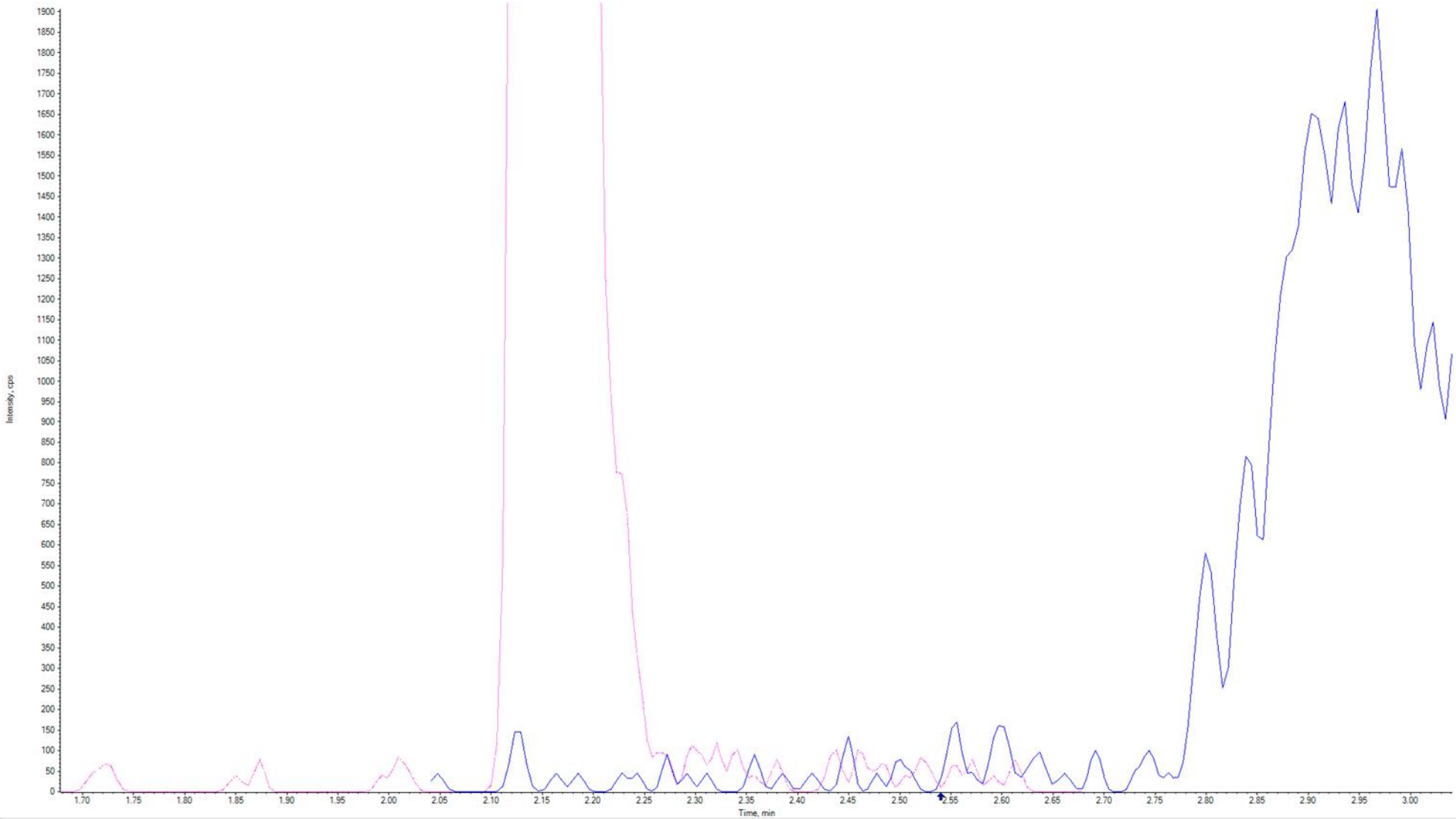
PFEESA_2
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



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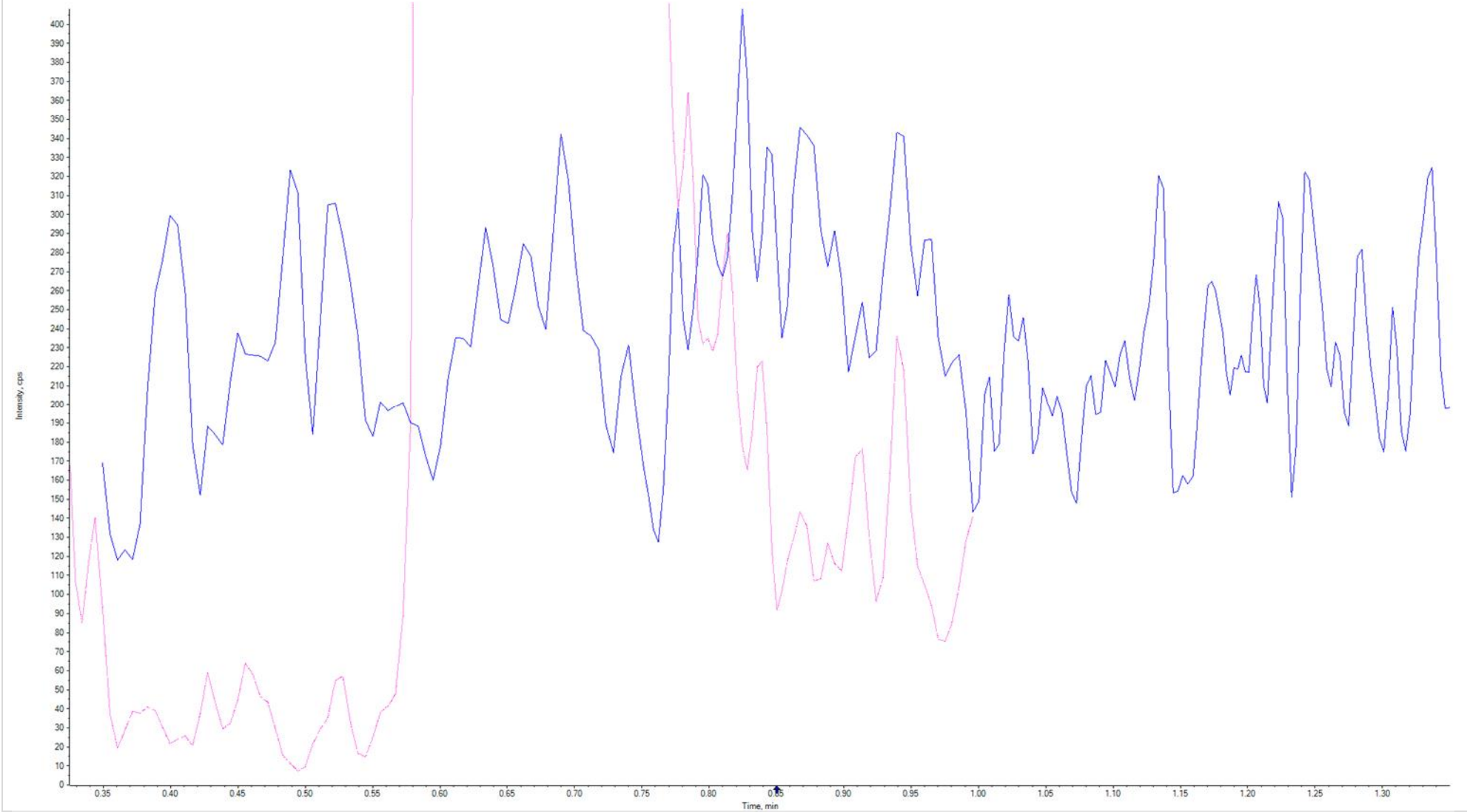
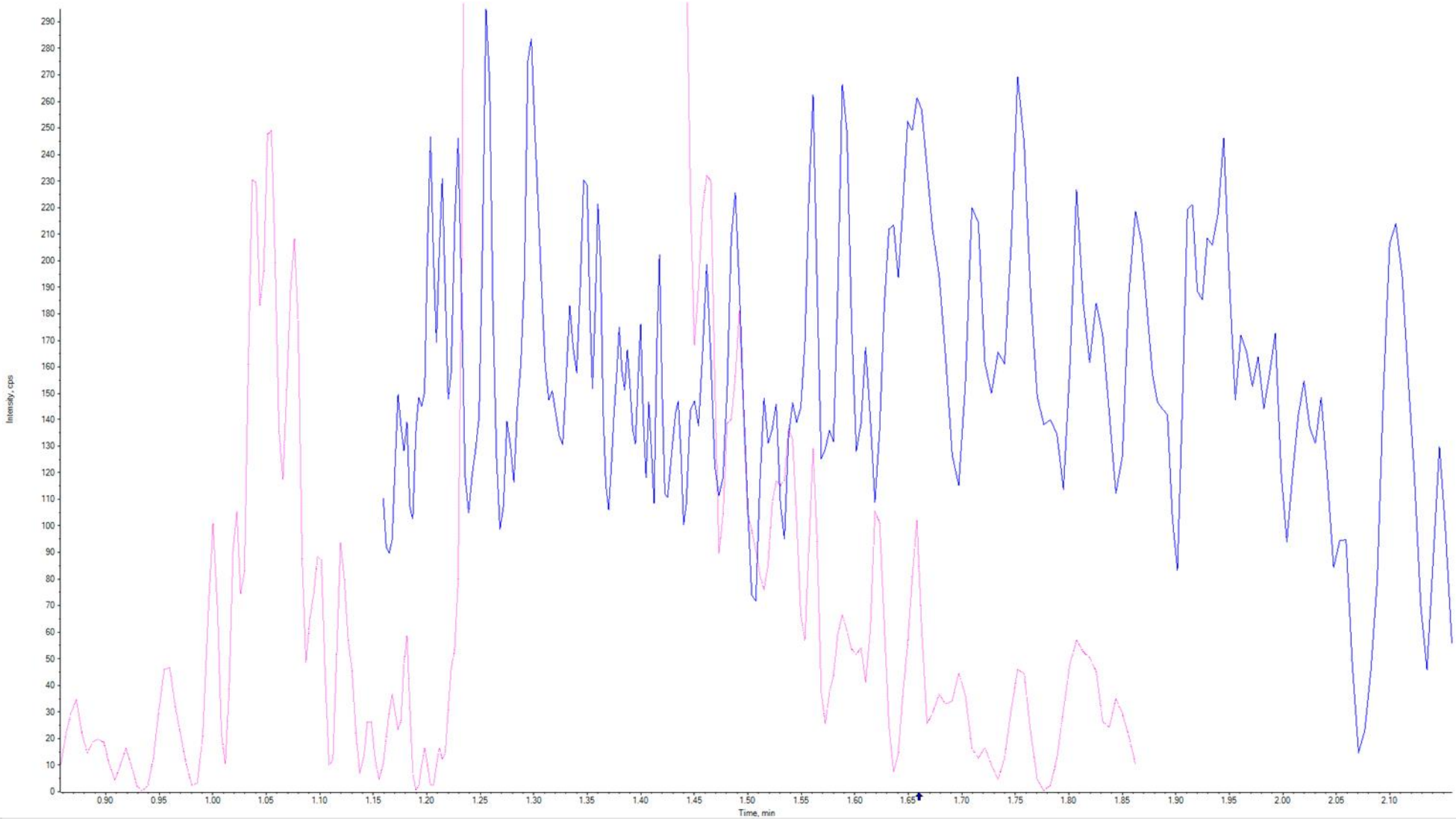
Generated: 11/15/2024 2:59:39 PM

PFMPA
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



PFMBA
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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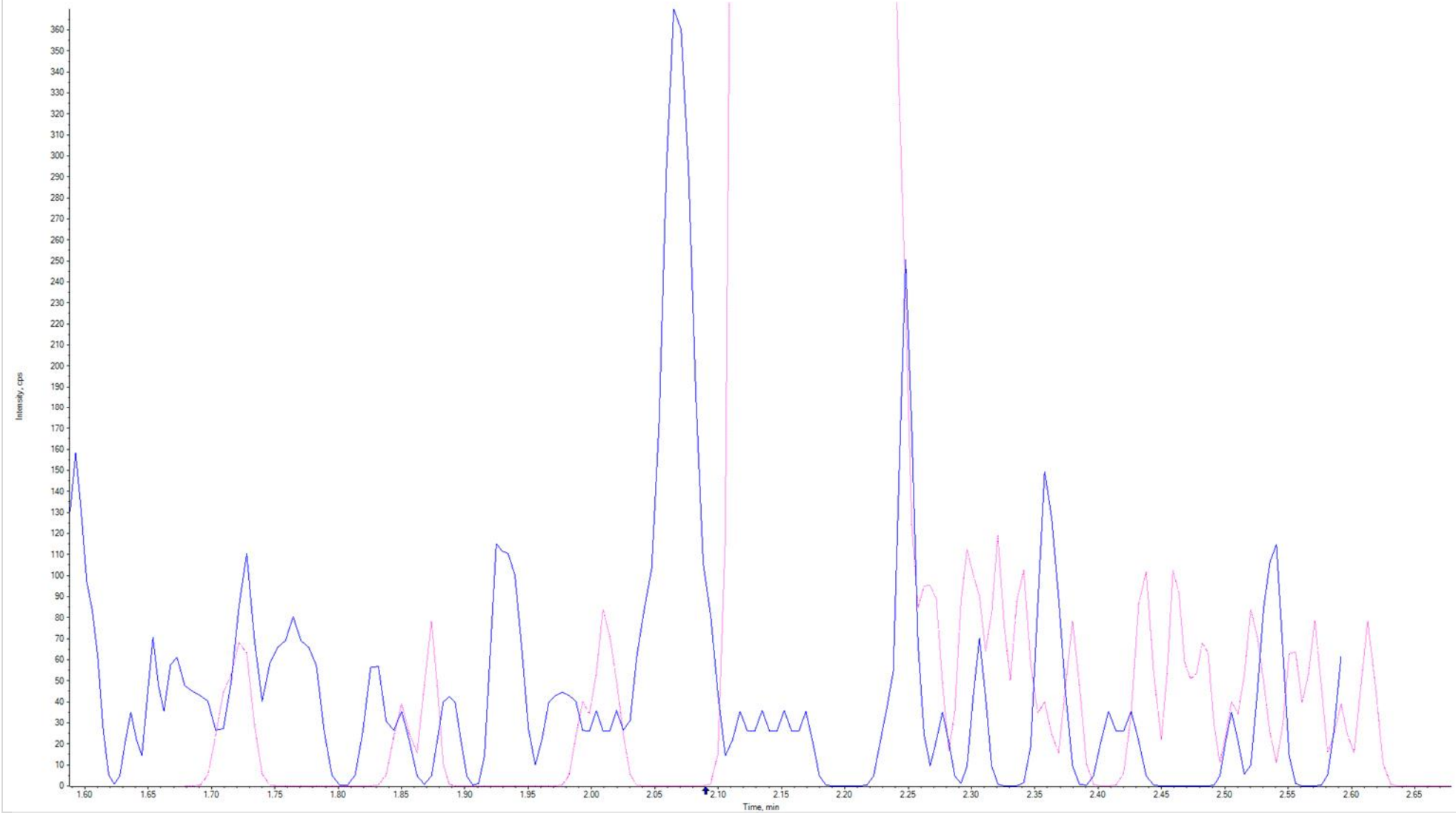
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

NFDHA
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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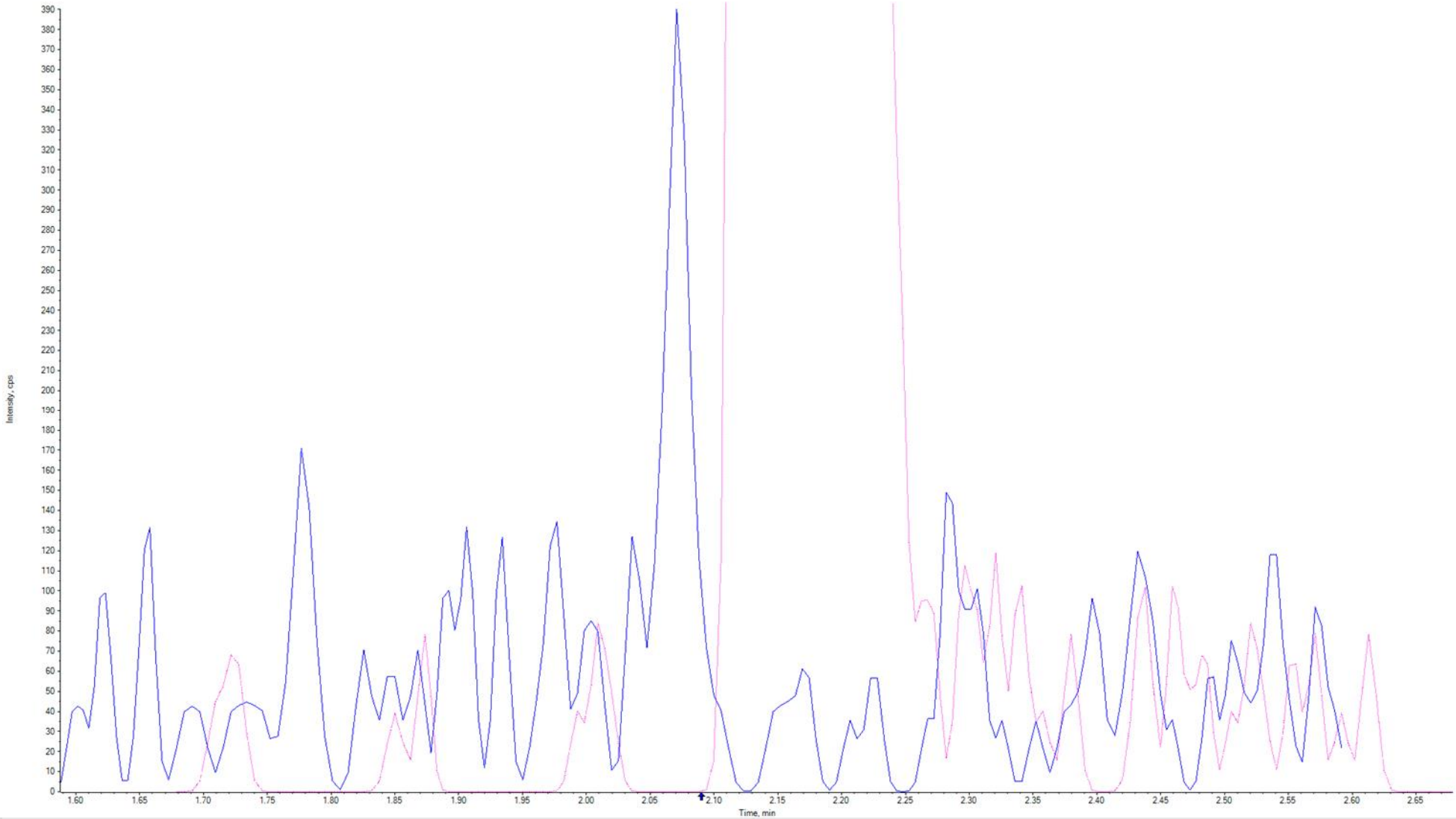
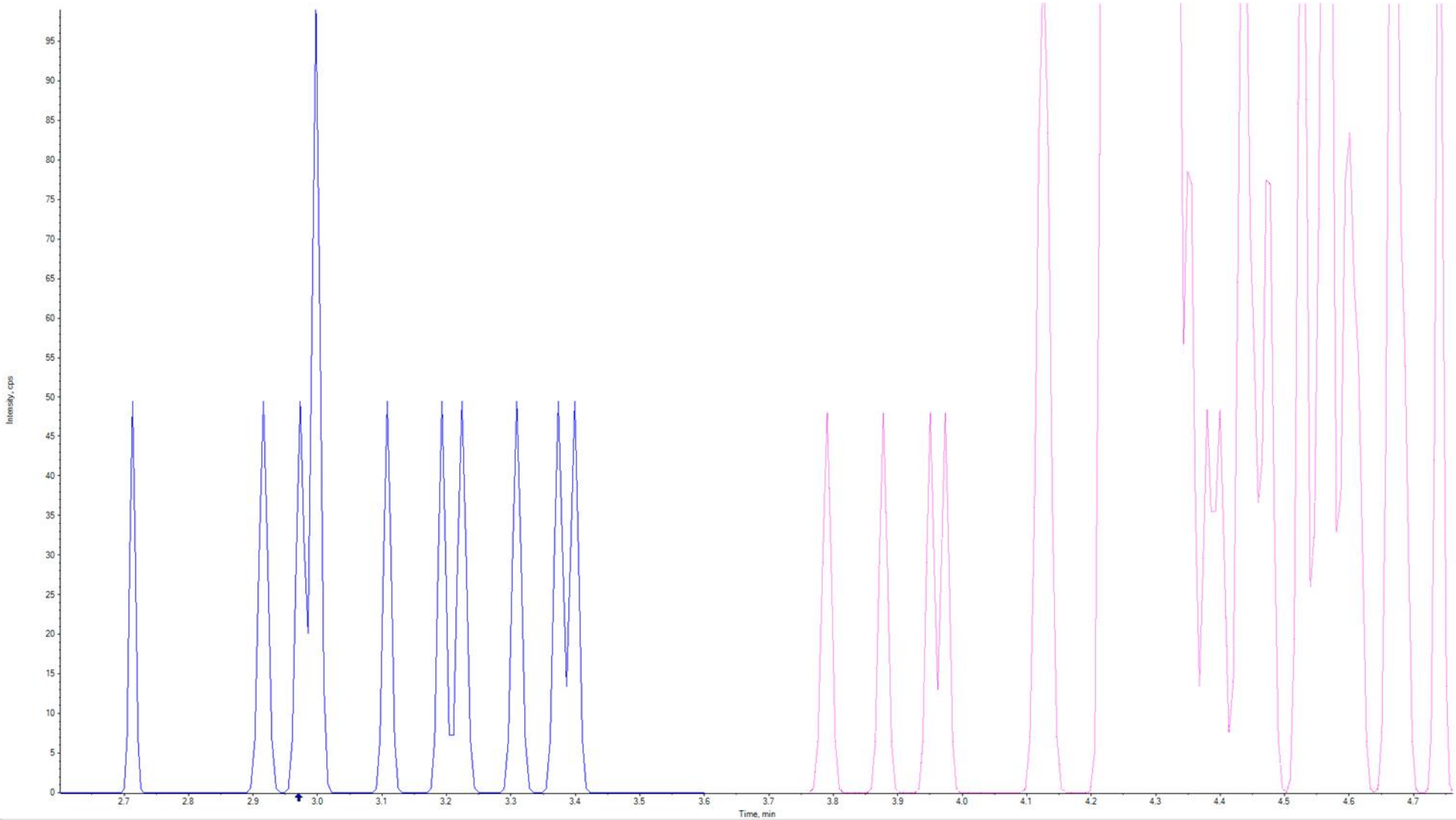
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

NFDHA_2
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



TDCA
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:27:20 PM
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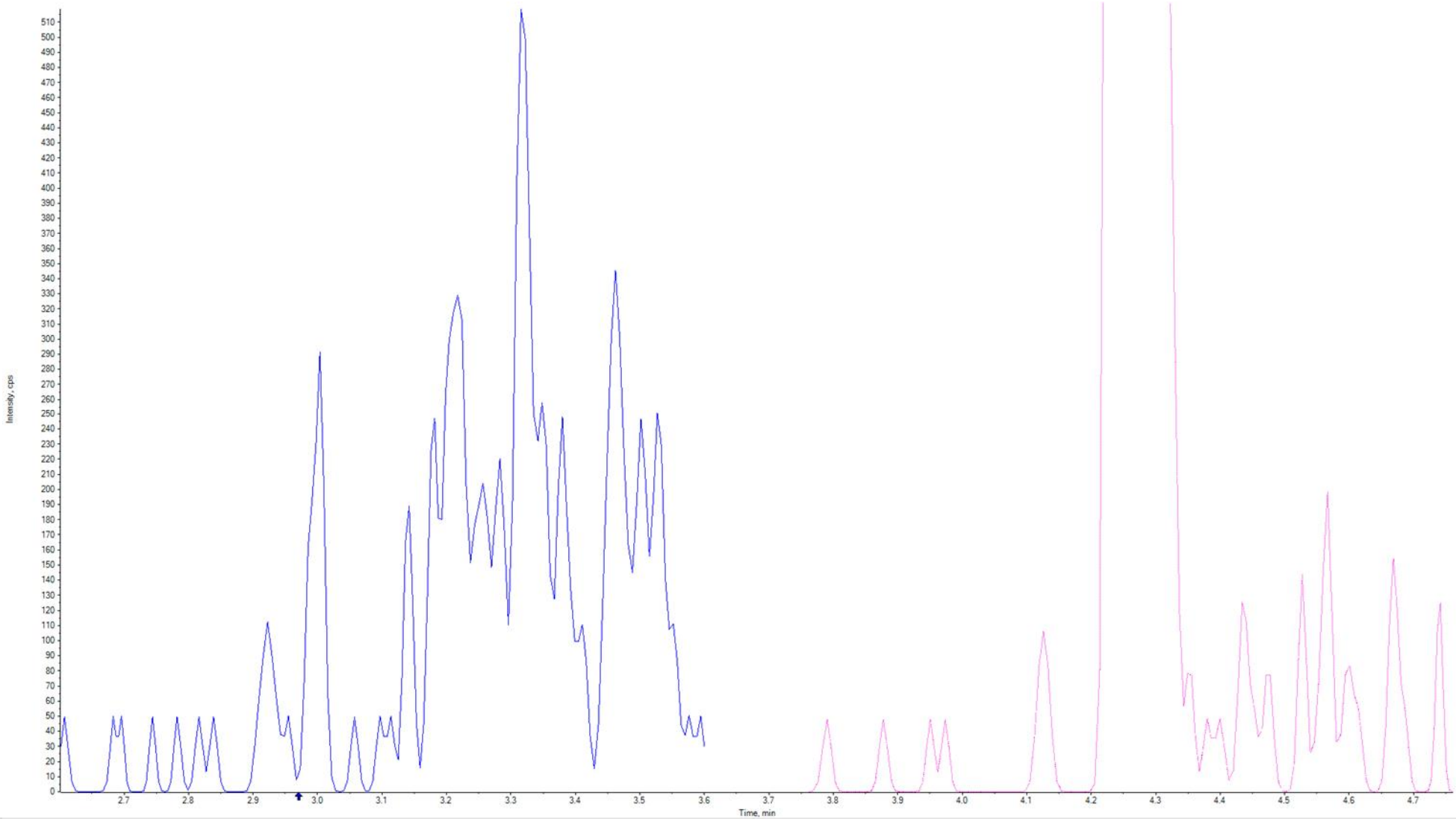
TDCA_2
Sample: WG1997639-2,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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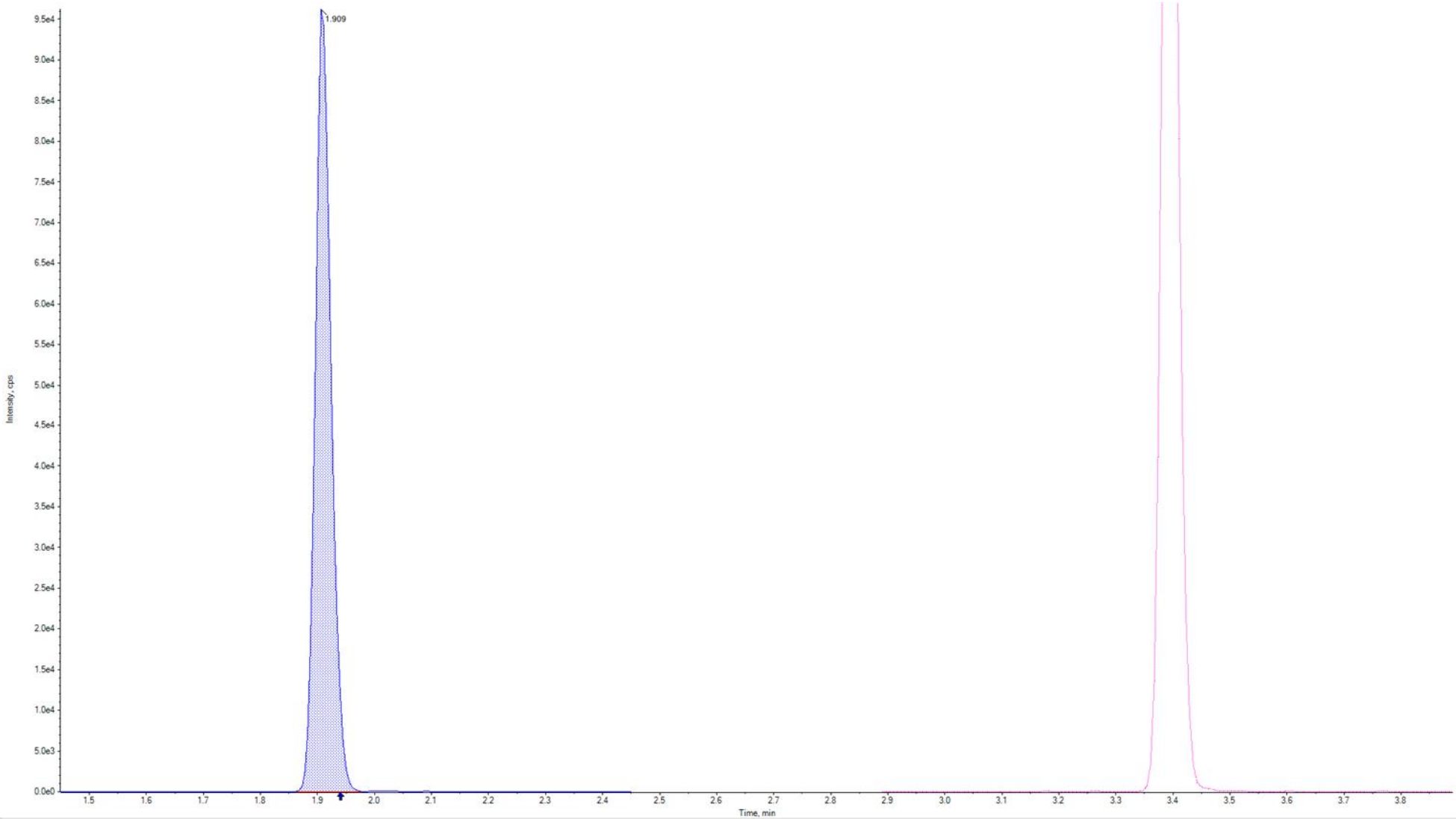
13C2D4-4:2FTS
Sample: WG1997639-2,INSTBLANK S/N:2937.3 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:27:20 PM
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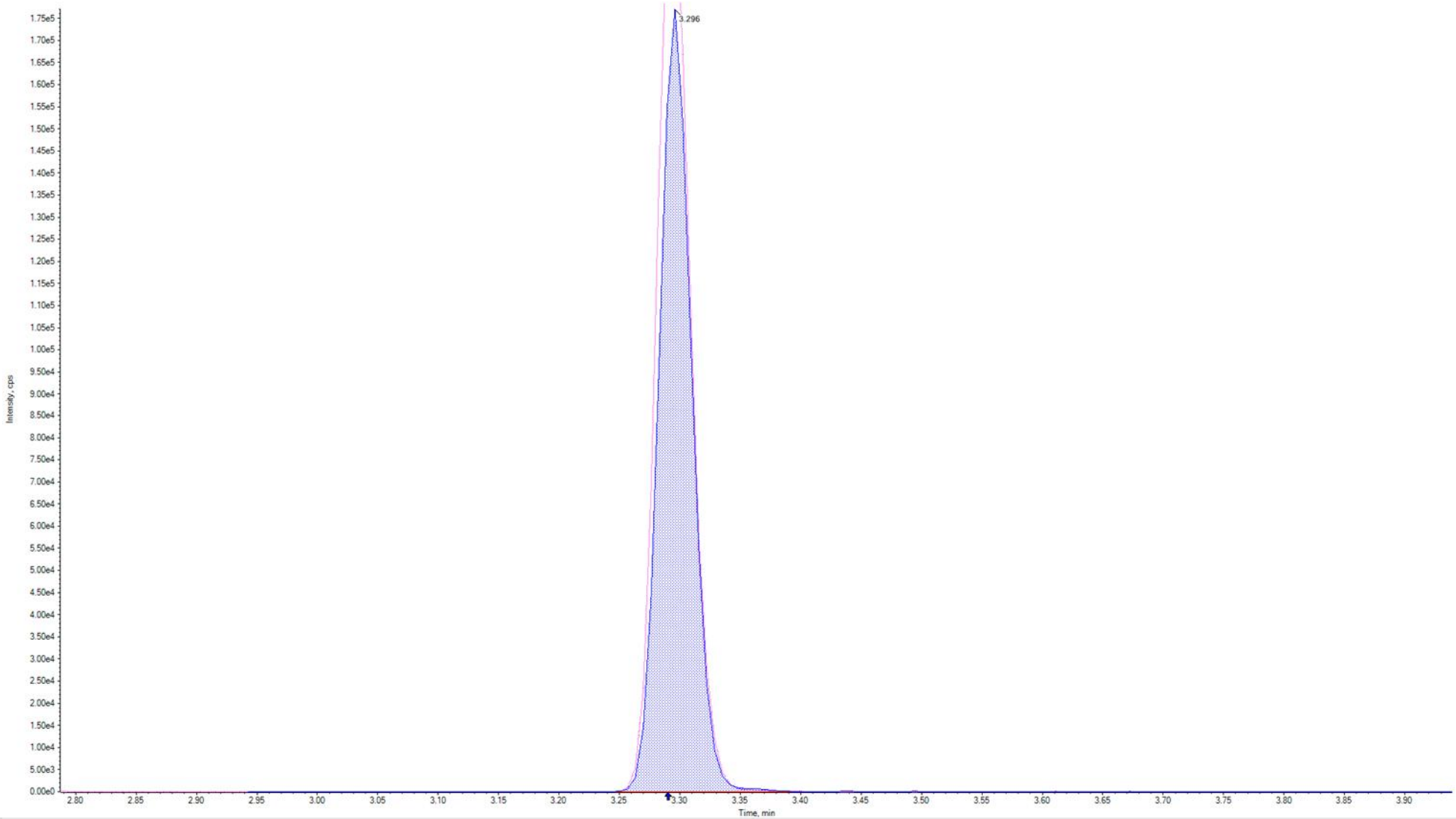
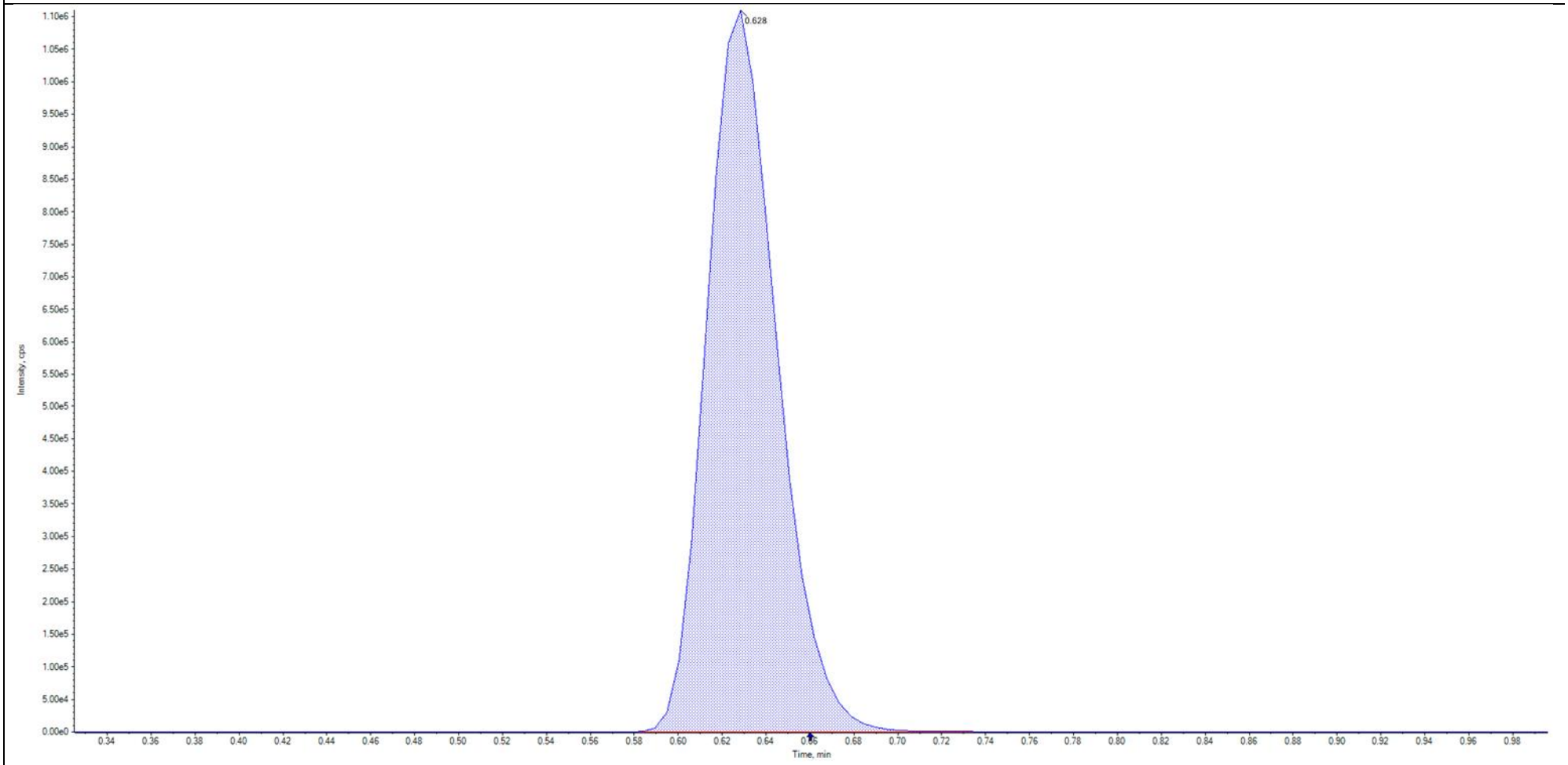
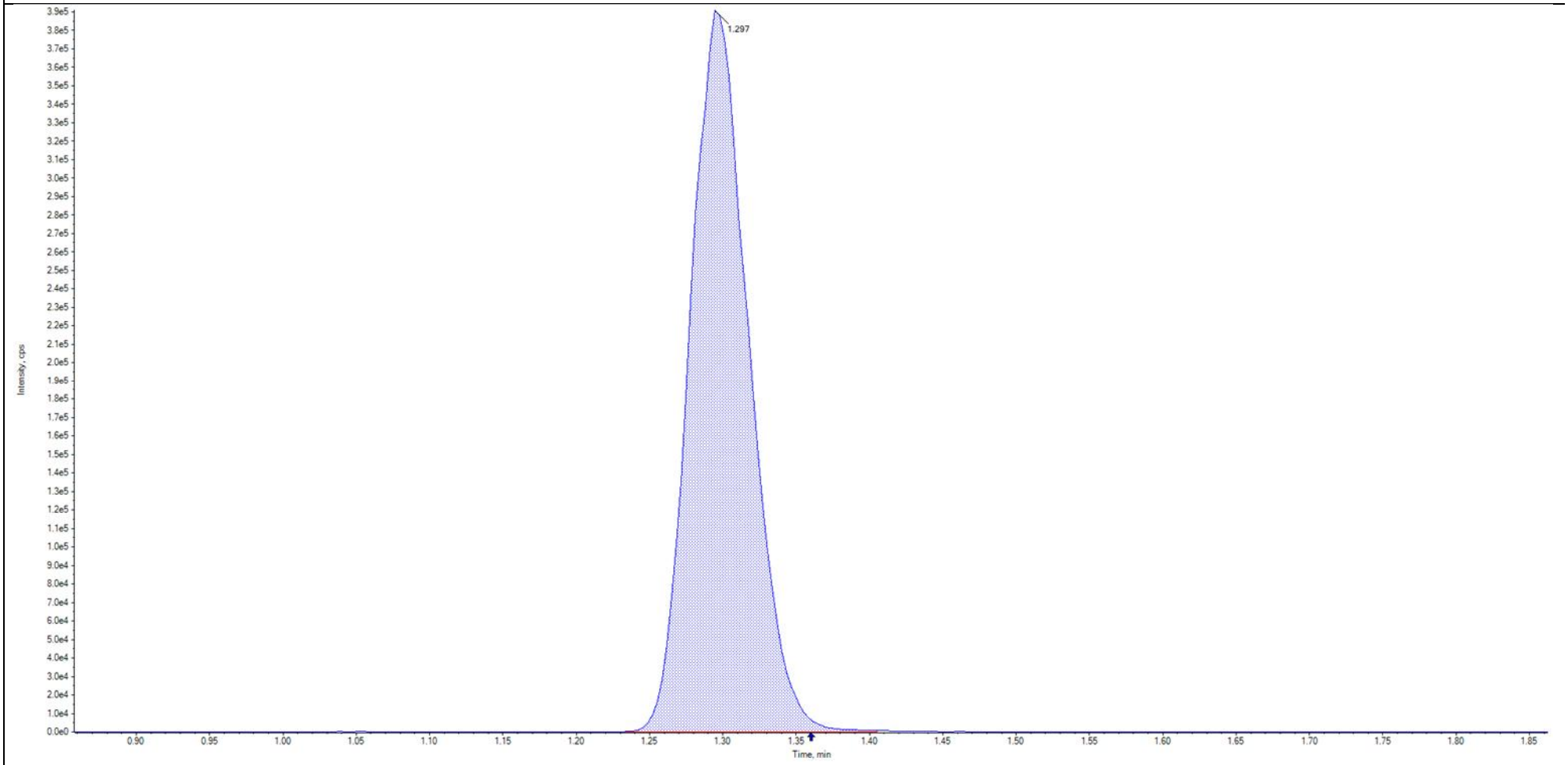
13C2-PFOA
Sample: WG1997639-2,INSTBLANK S/N:3994.7 Points Across peak:29



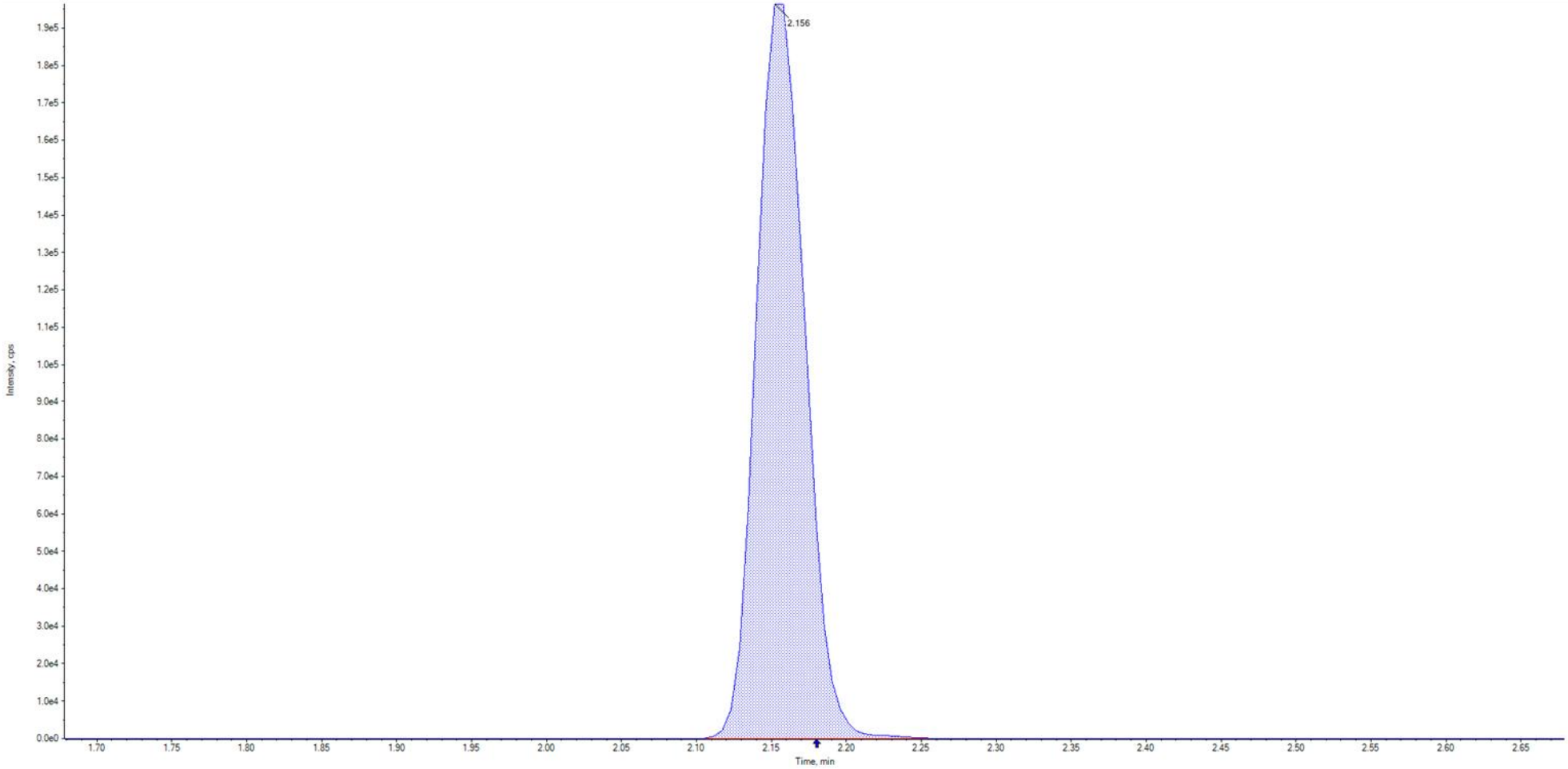
13C4-PFBA
Sample: WG1997639-2,INSTBLANK



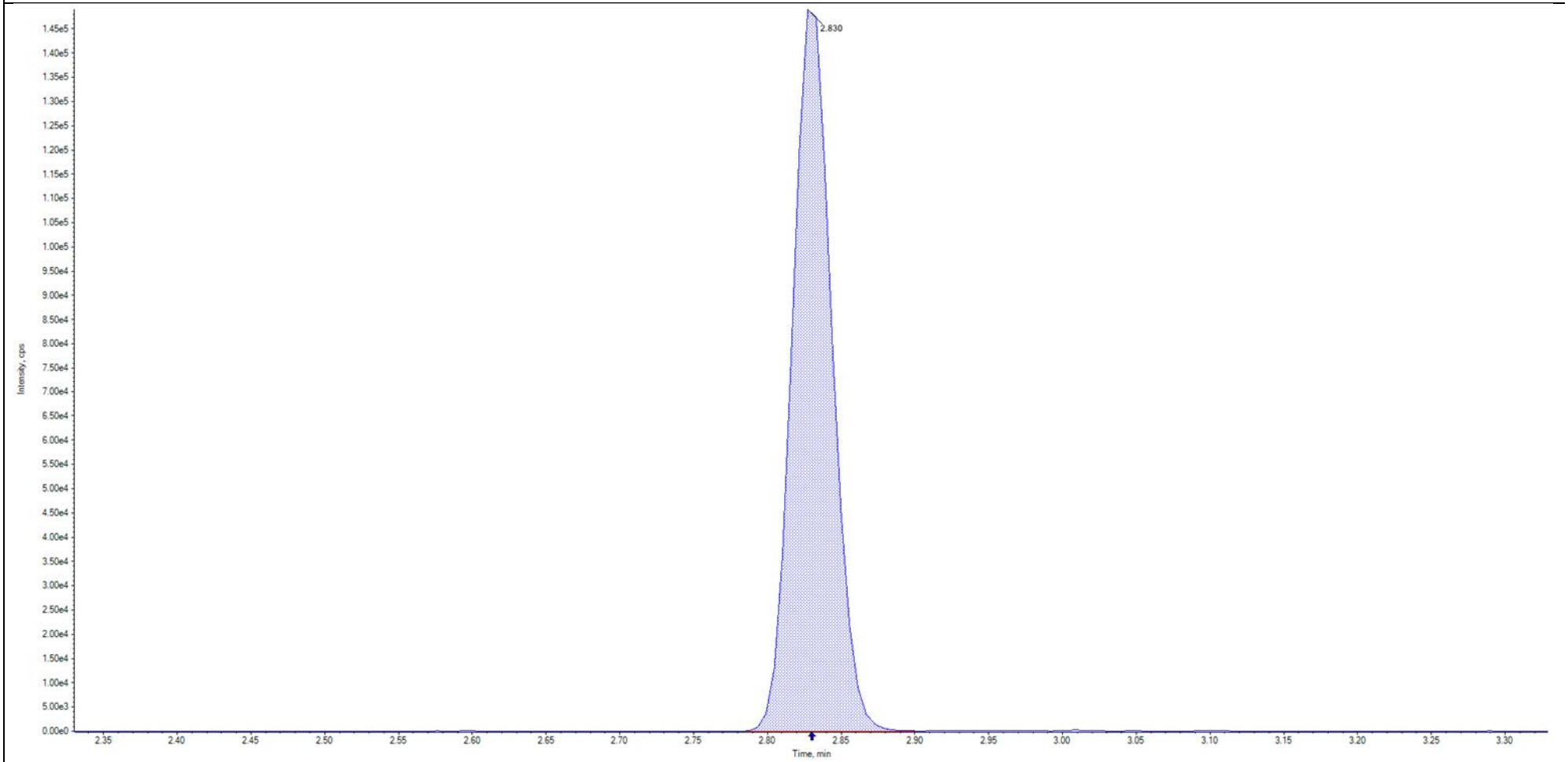
13C5-PFPeA
Sample: WG1997639-2,INSTBLANK



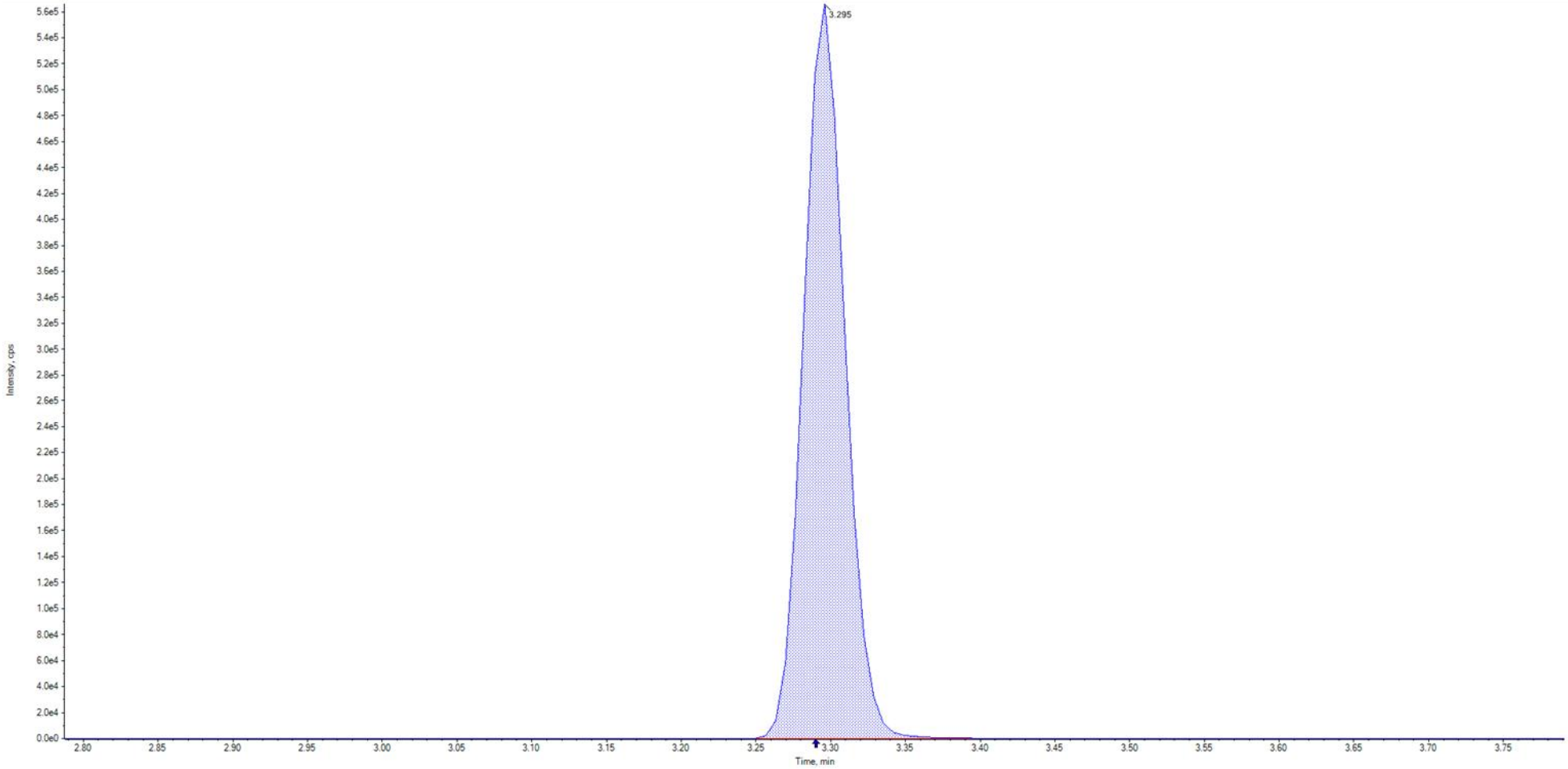
13C5-PFHxA
Sample: WG1997639-2,INSTBLANK



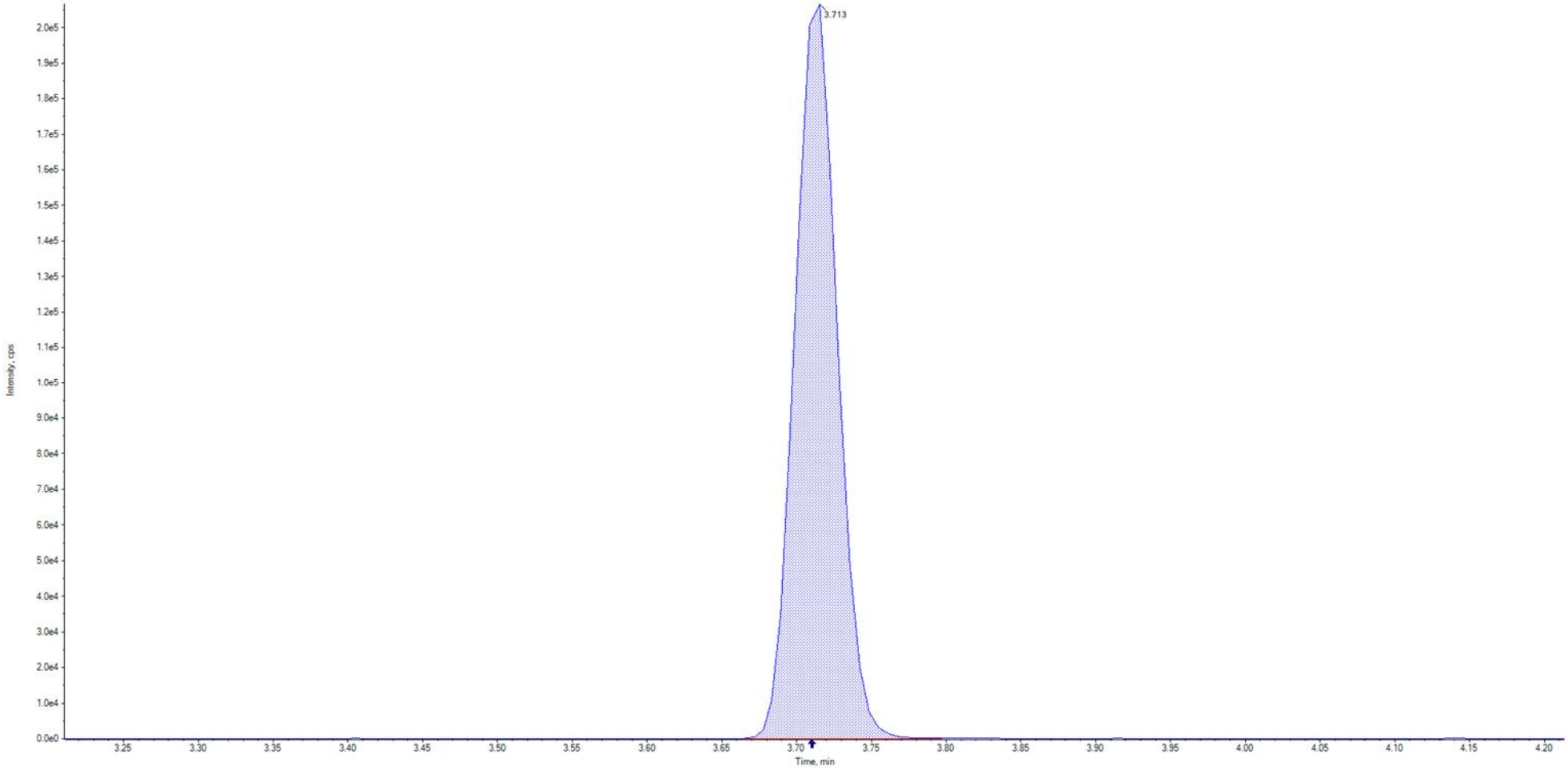
13C4-PFHpA
Sample: WG1997639-2,INSTBLANK



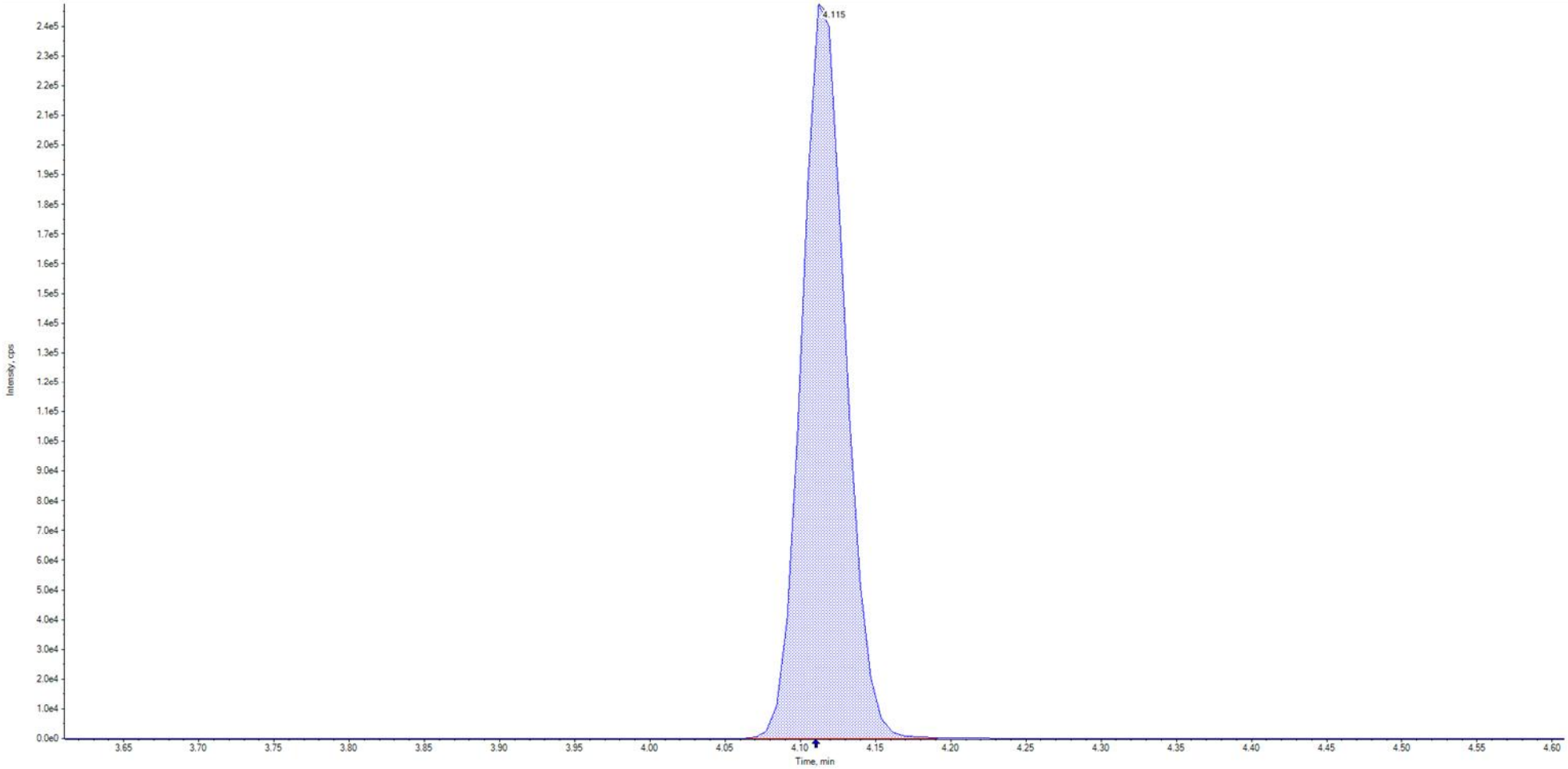
13C8-PFOA
Sample: WG1997639-2,INSTBLANK



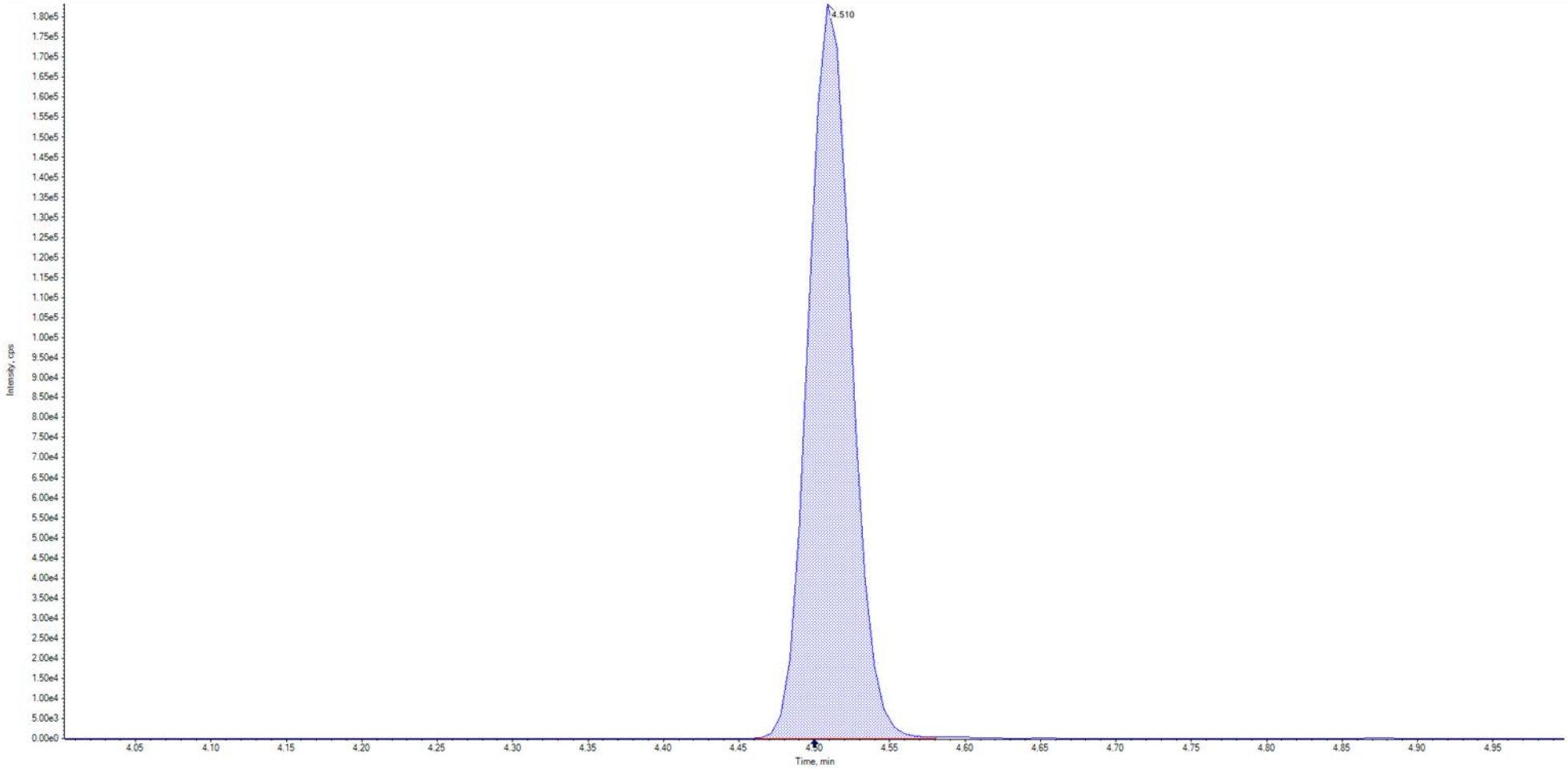
13C9-PFNA
Sample: WG1997639-2,INSTBLANK



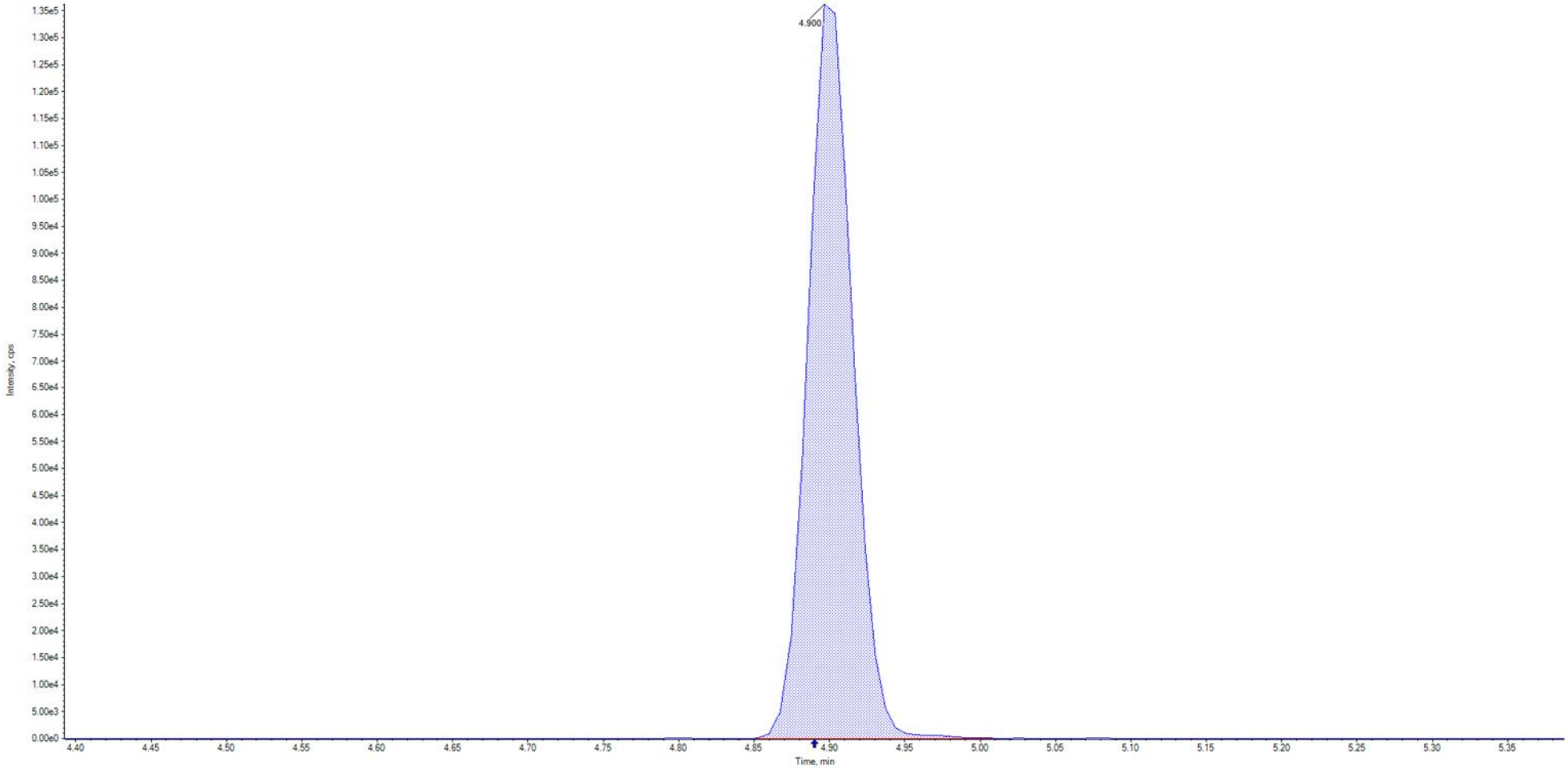
13C6-PFDA
Sample: WG1997639-2,INSTBLANK



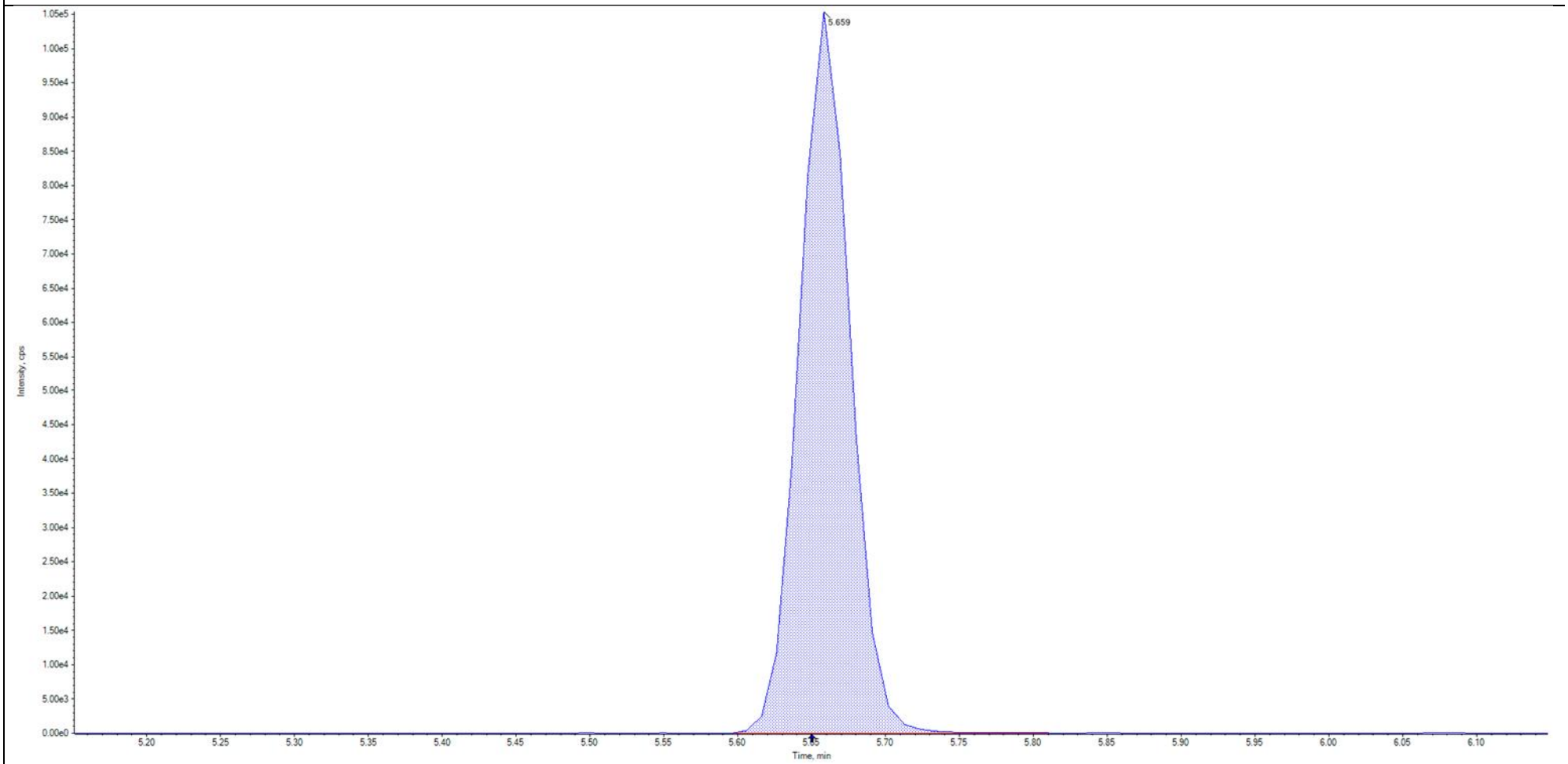
13C7-PFUnA
Sample: WG1997639-2,INSTBLANK



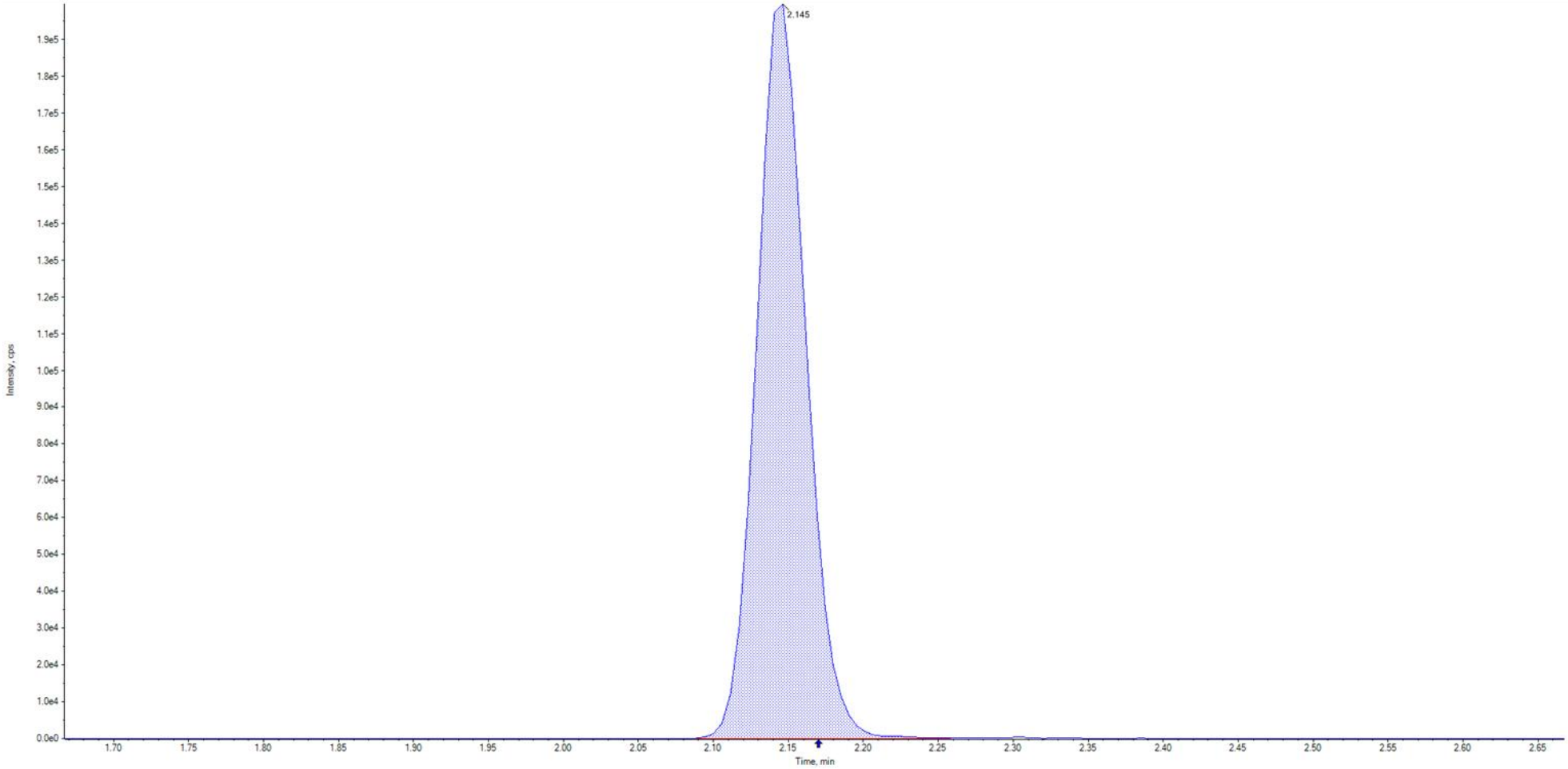
13C2-PFDoA
Sample: WG1997639-2,INSTBLANK



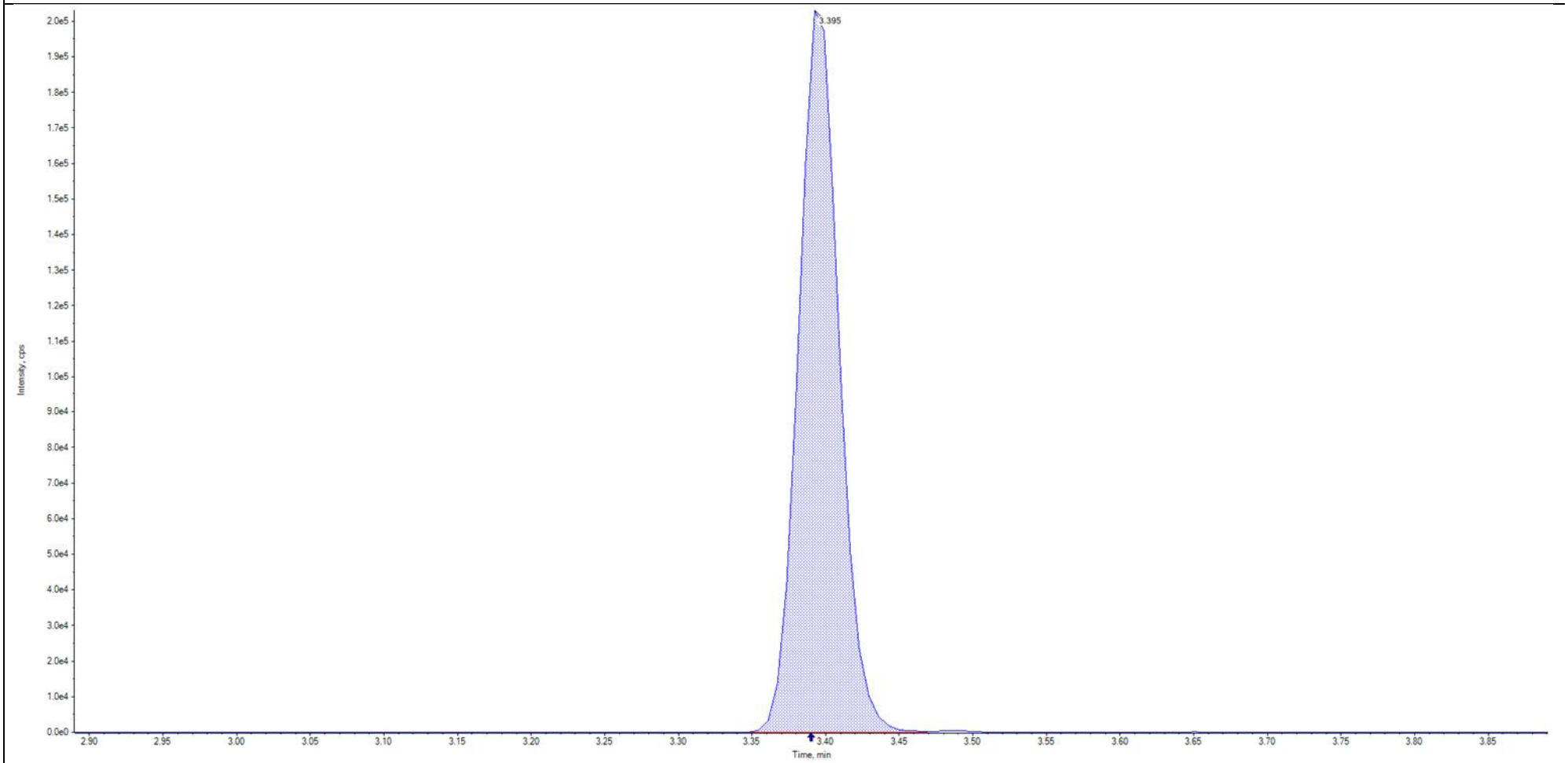
13C2-PFTeDA
Sample: WG1997639-2,INSTBLANK



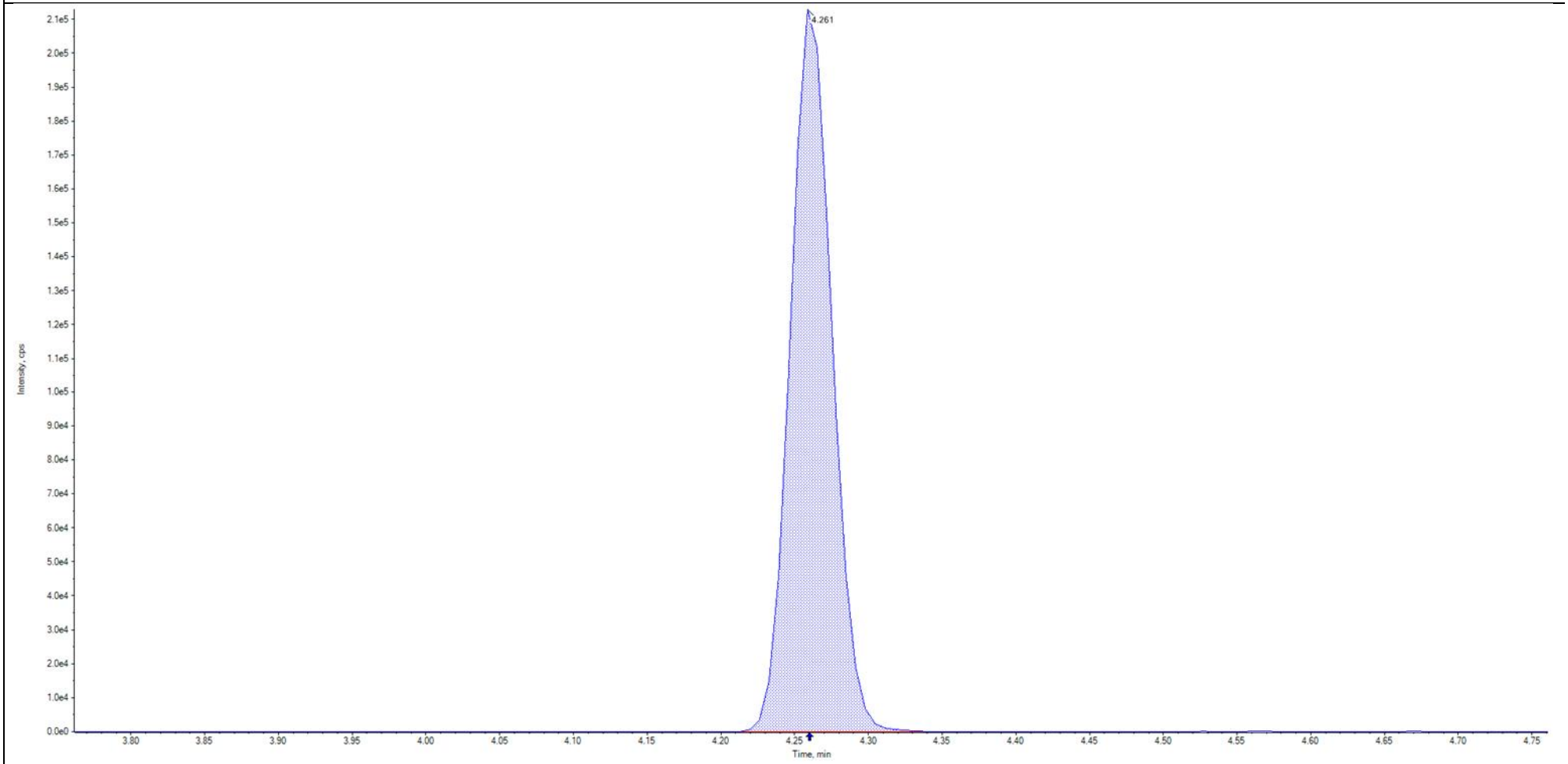
13C3-PFBS
Sample: WG1997639-2,INSTBLANK



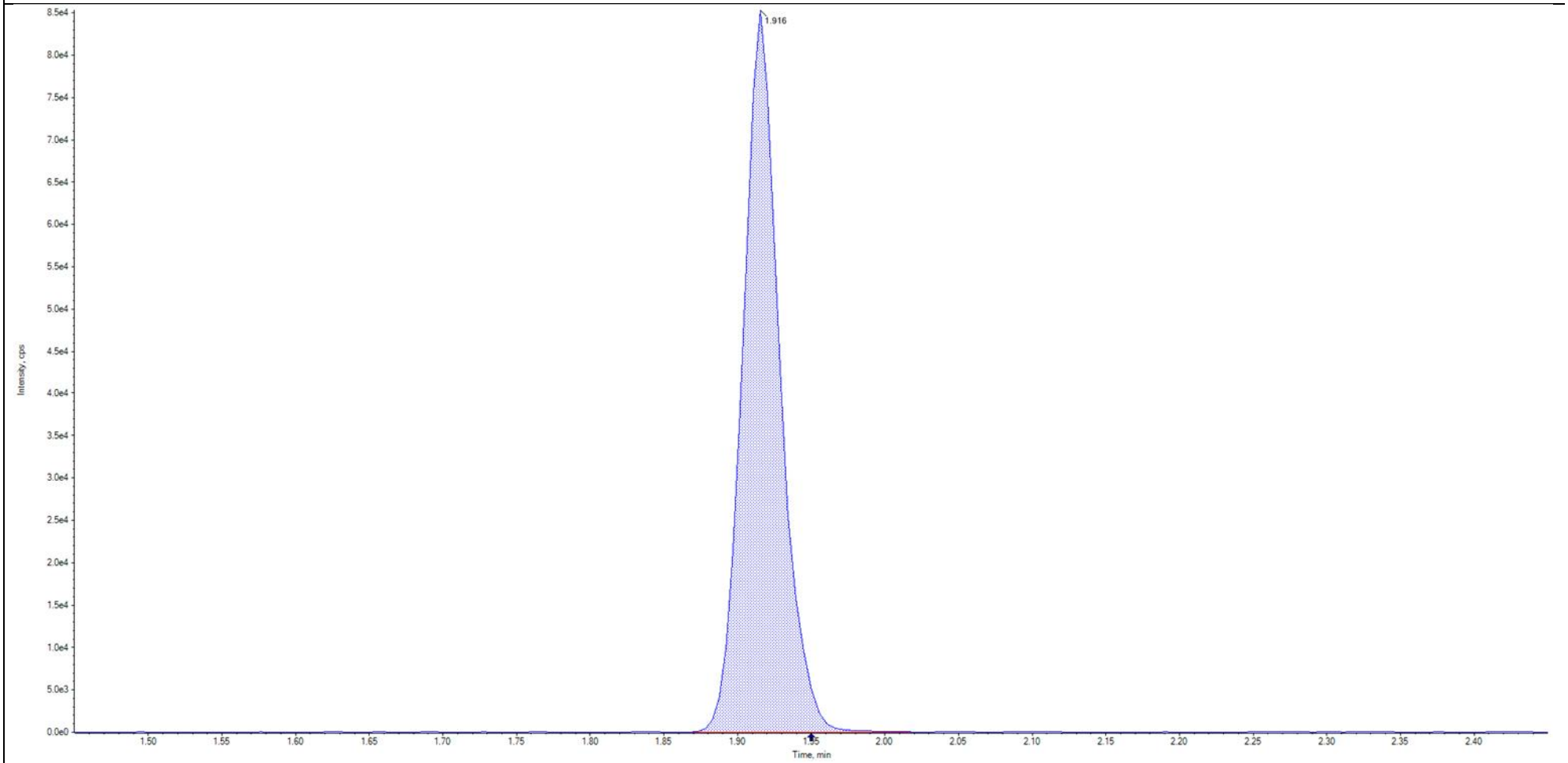
13C3-PFHxS
Sample: WG1997639-2,INSTBLANK



13C8-PFOS
Sample: WG1997639-2,INSTBLANK



13C2-4:2FTS
Sample: WG1997639-2,INSTBLANK



13C2-6:2FTS
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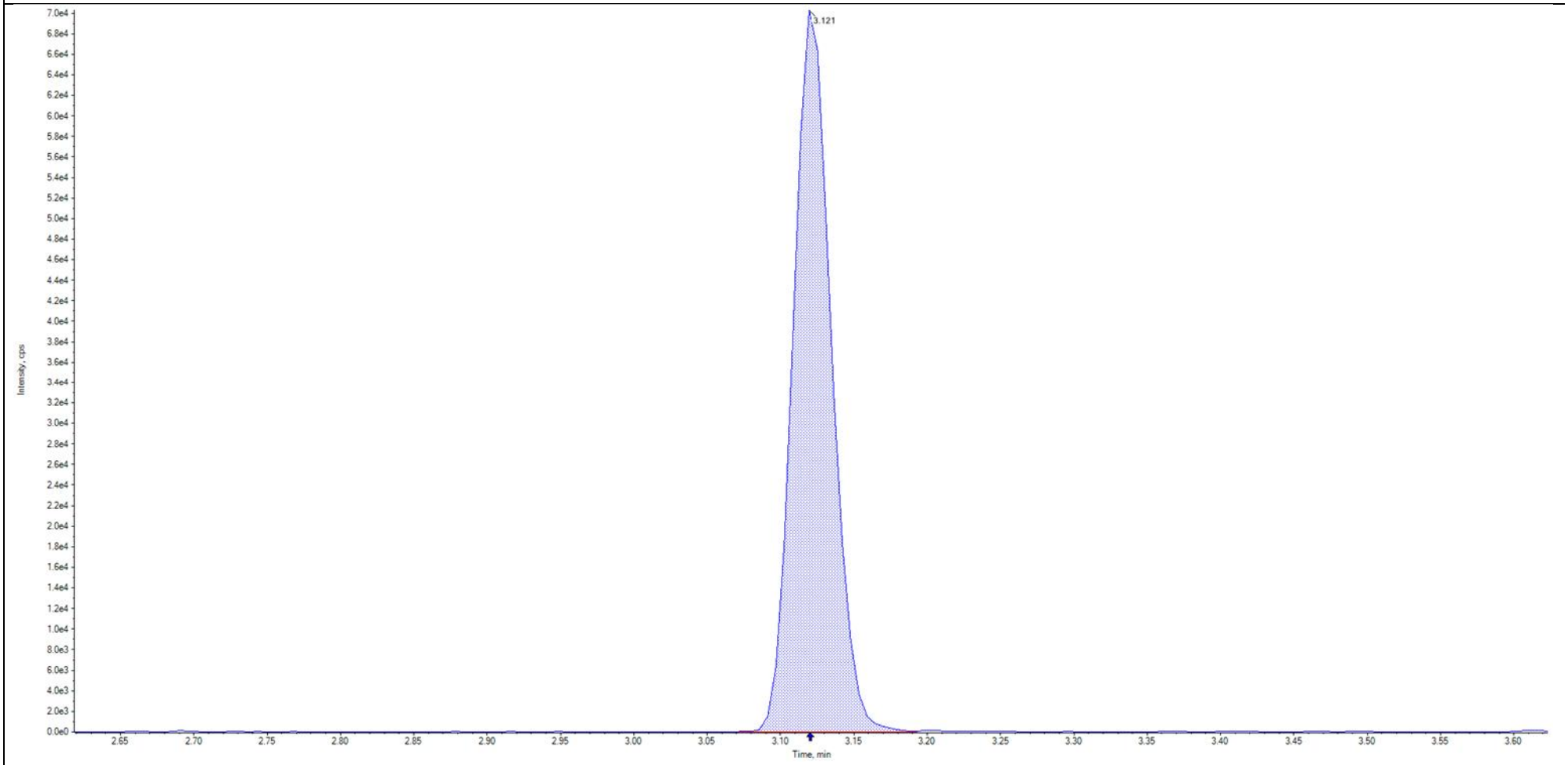

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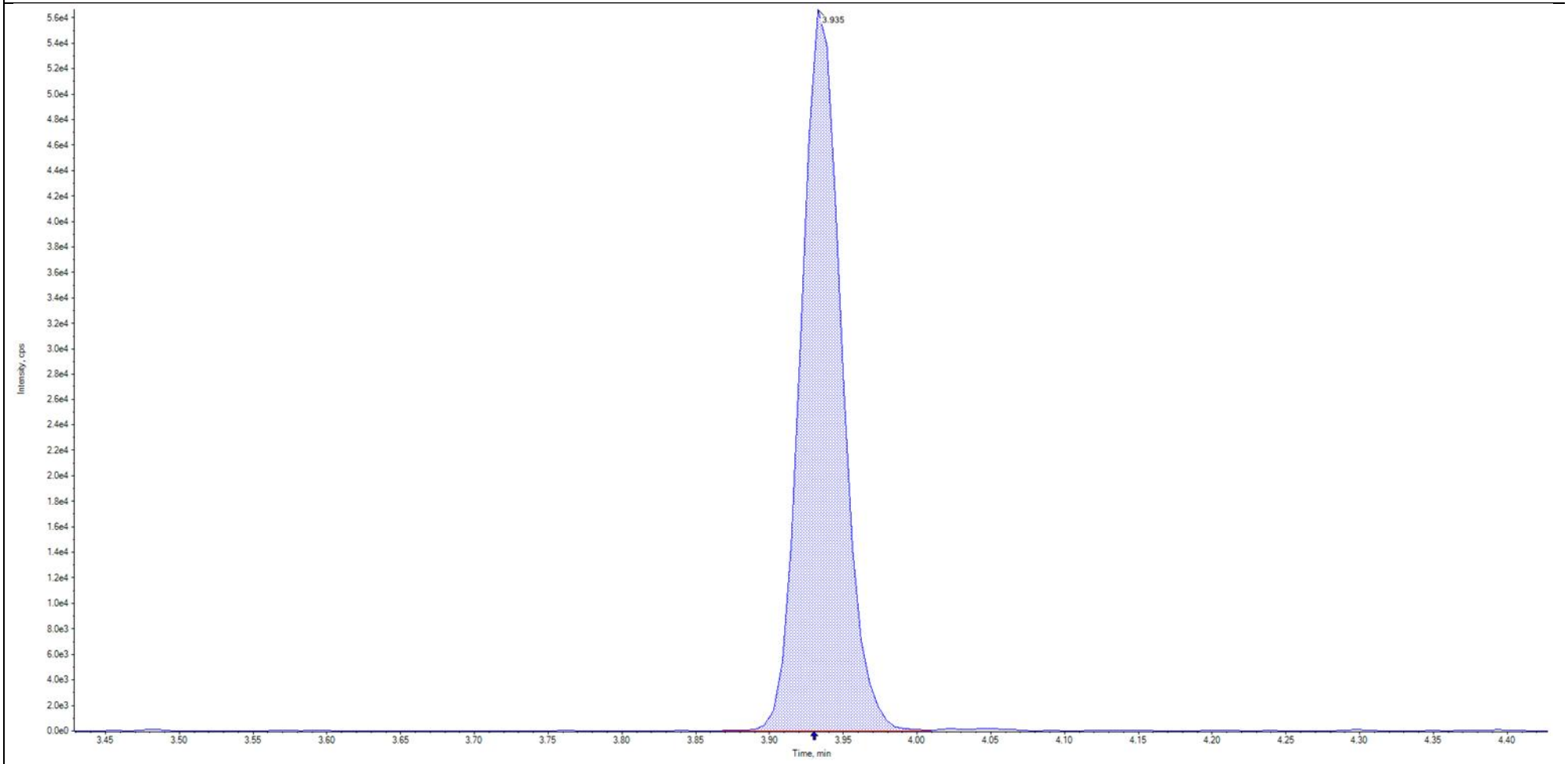
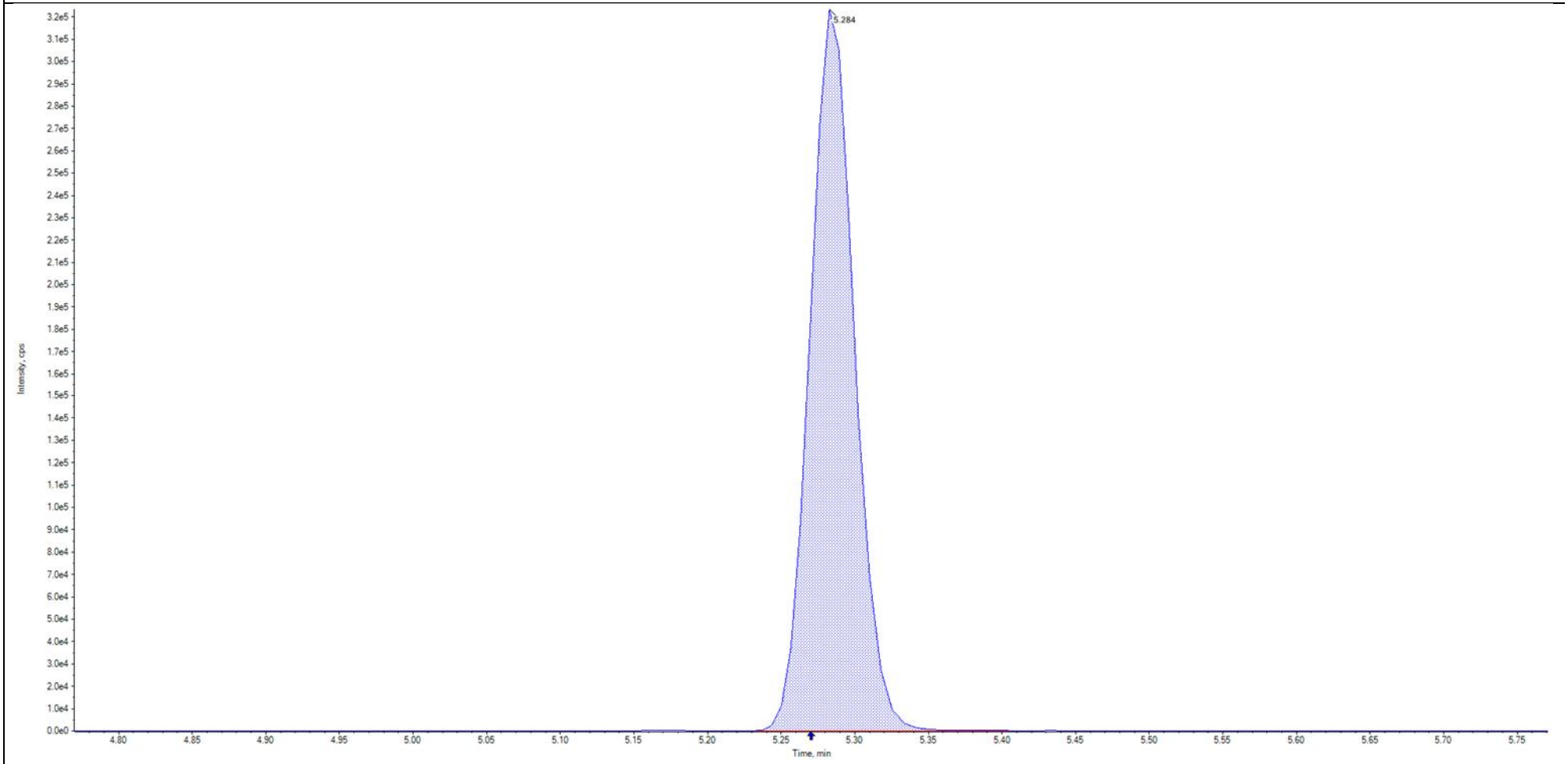
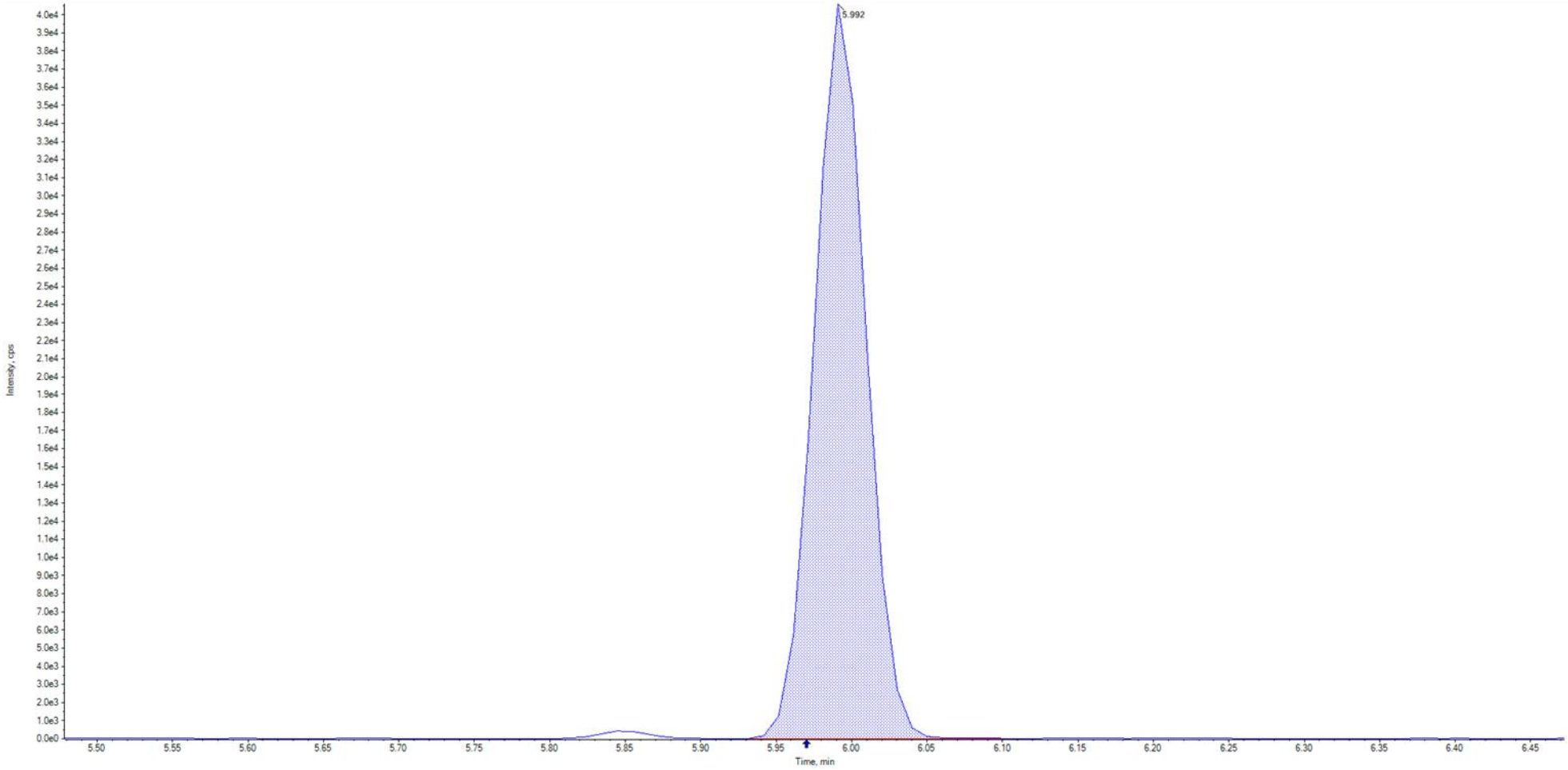


13C8-PFOSA
Sample: WG1997639-2,INSTBLANK



d3-NMeFOSA
Sample: WG1997639-2,INSTBLANK



d5-NEtFOSA
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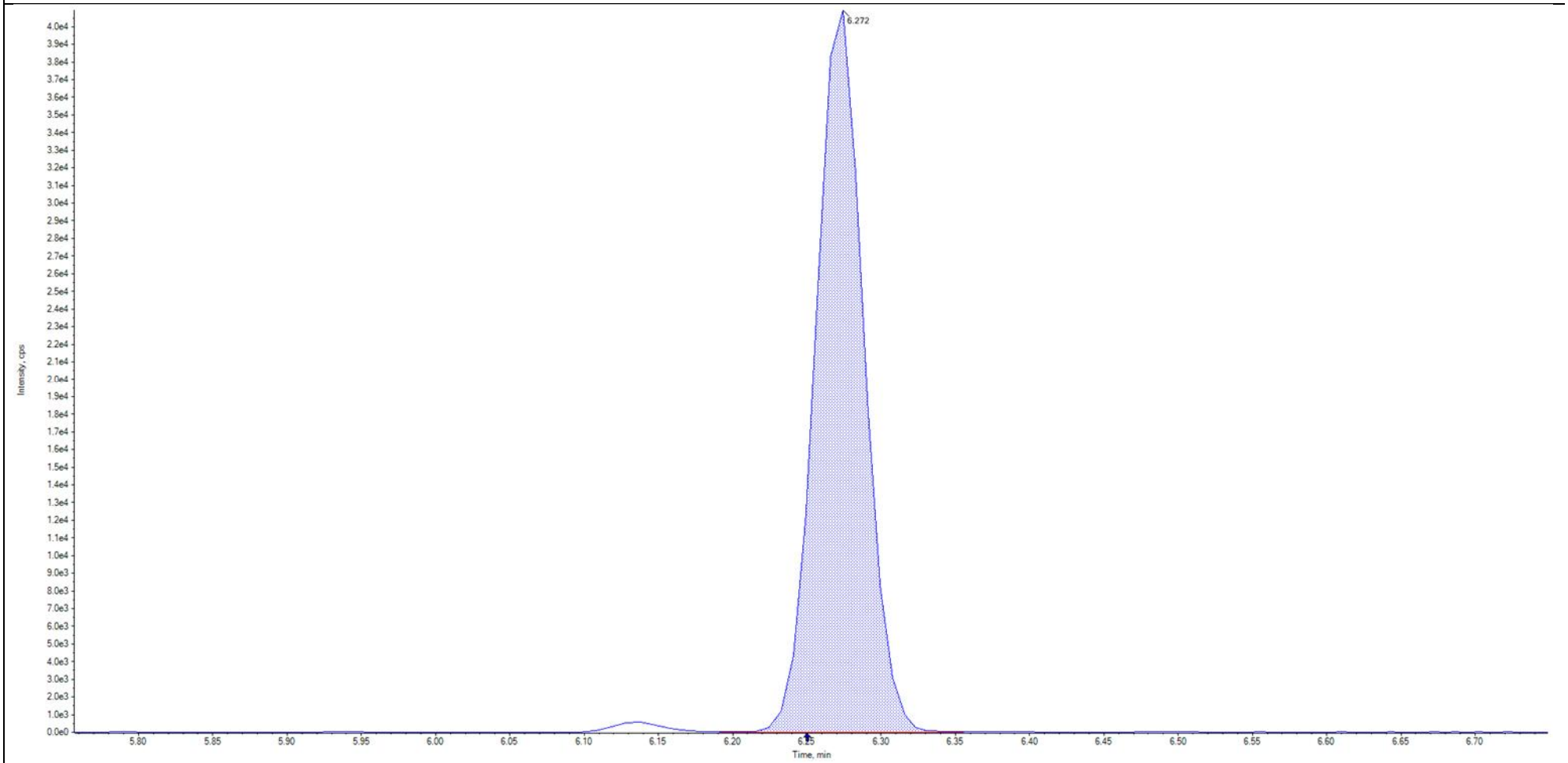

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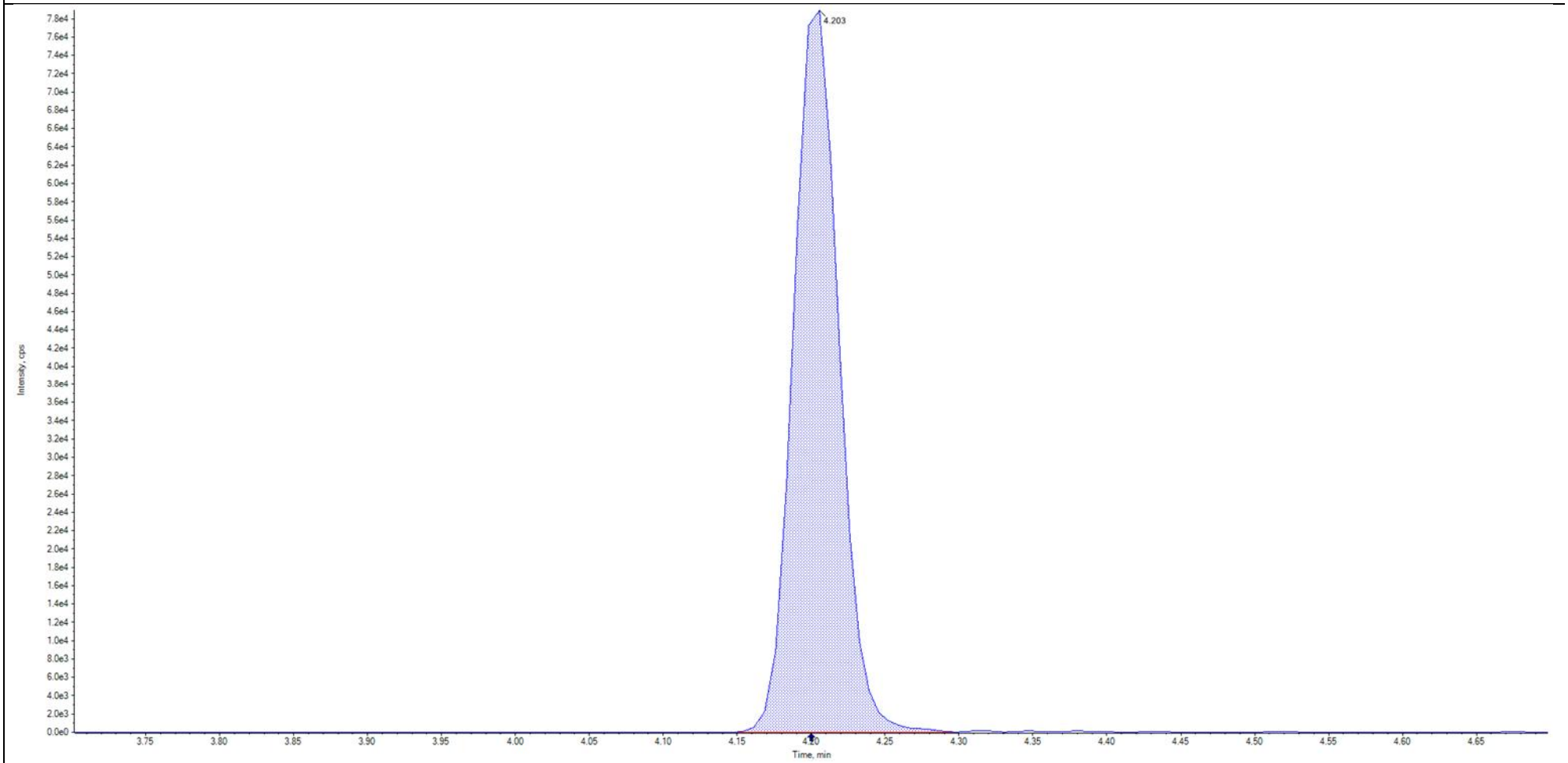
Sample: WG1997639-2,INSTBLANK



d5-NEtFOSAA
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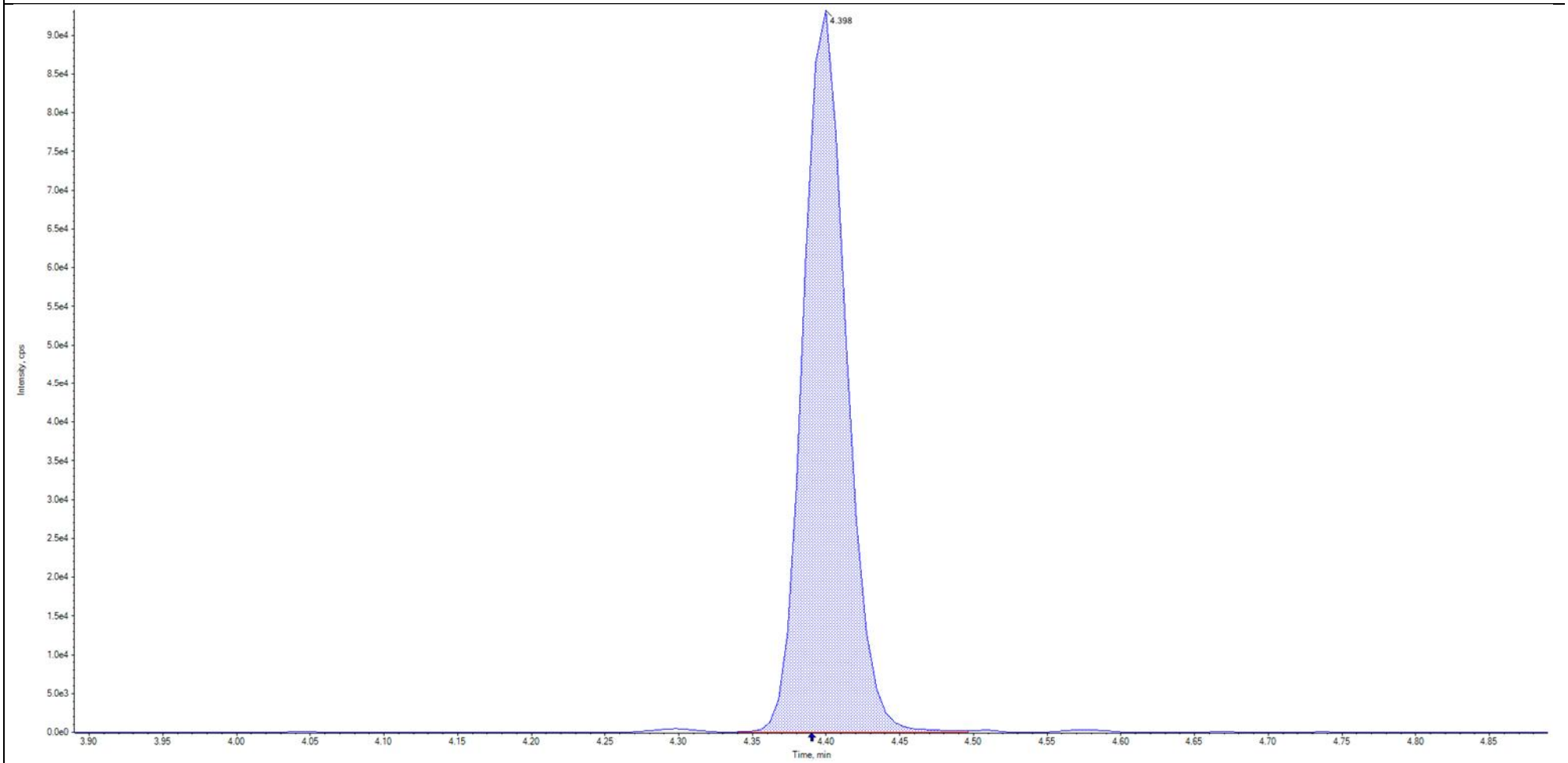

d7-NMeFOSE
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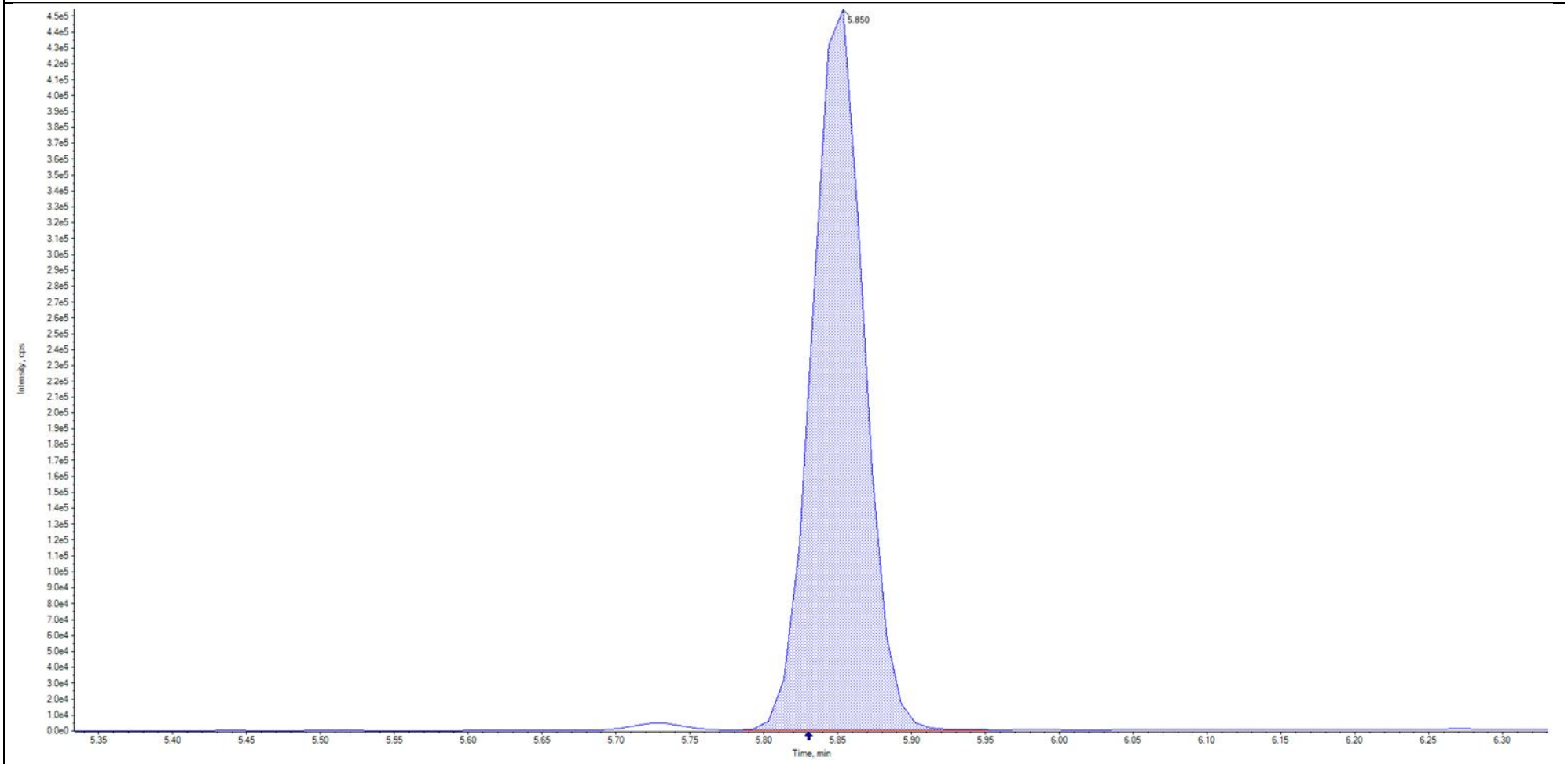

d9-NEtFOSE
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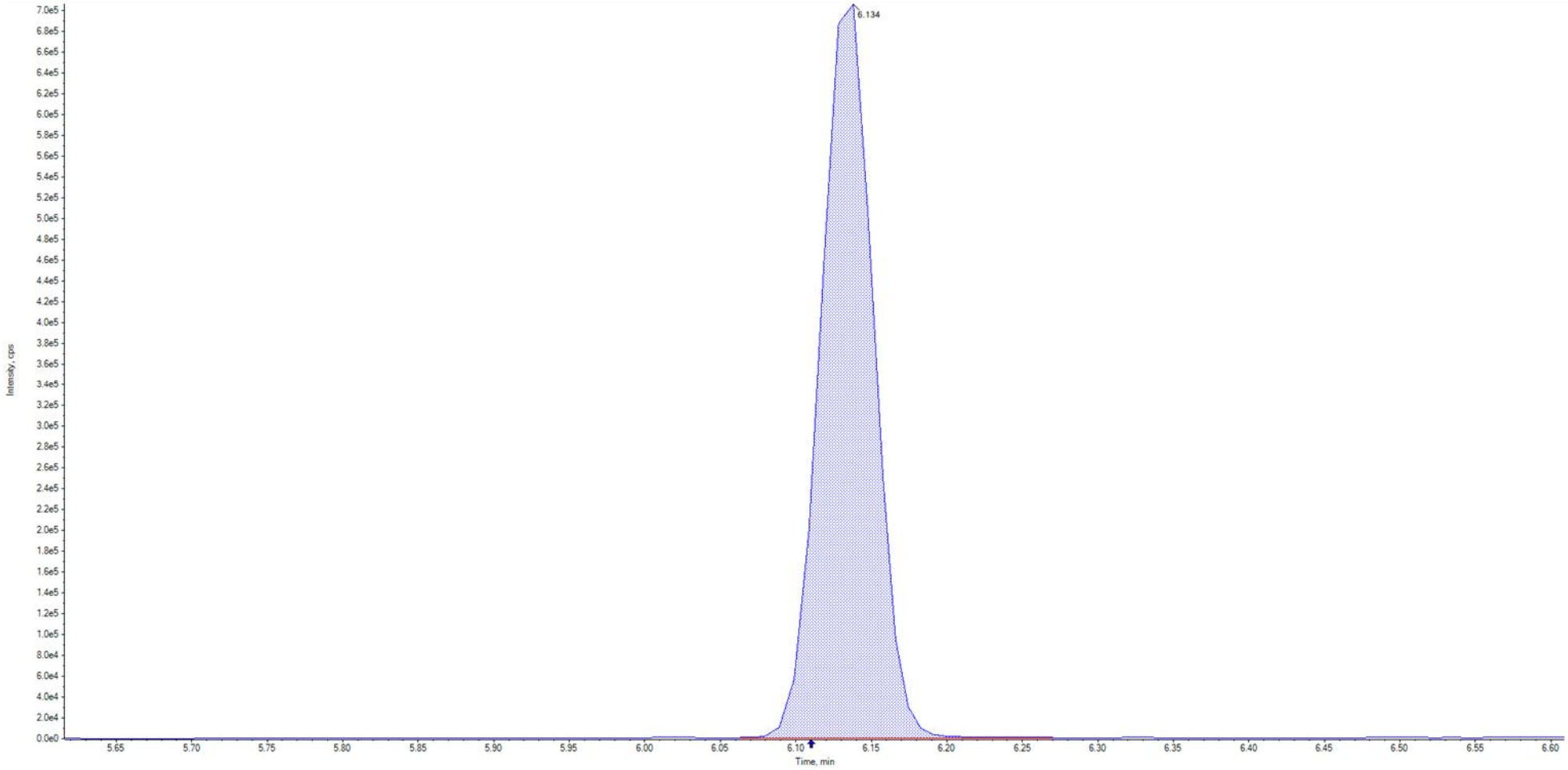
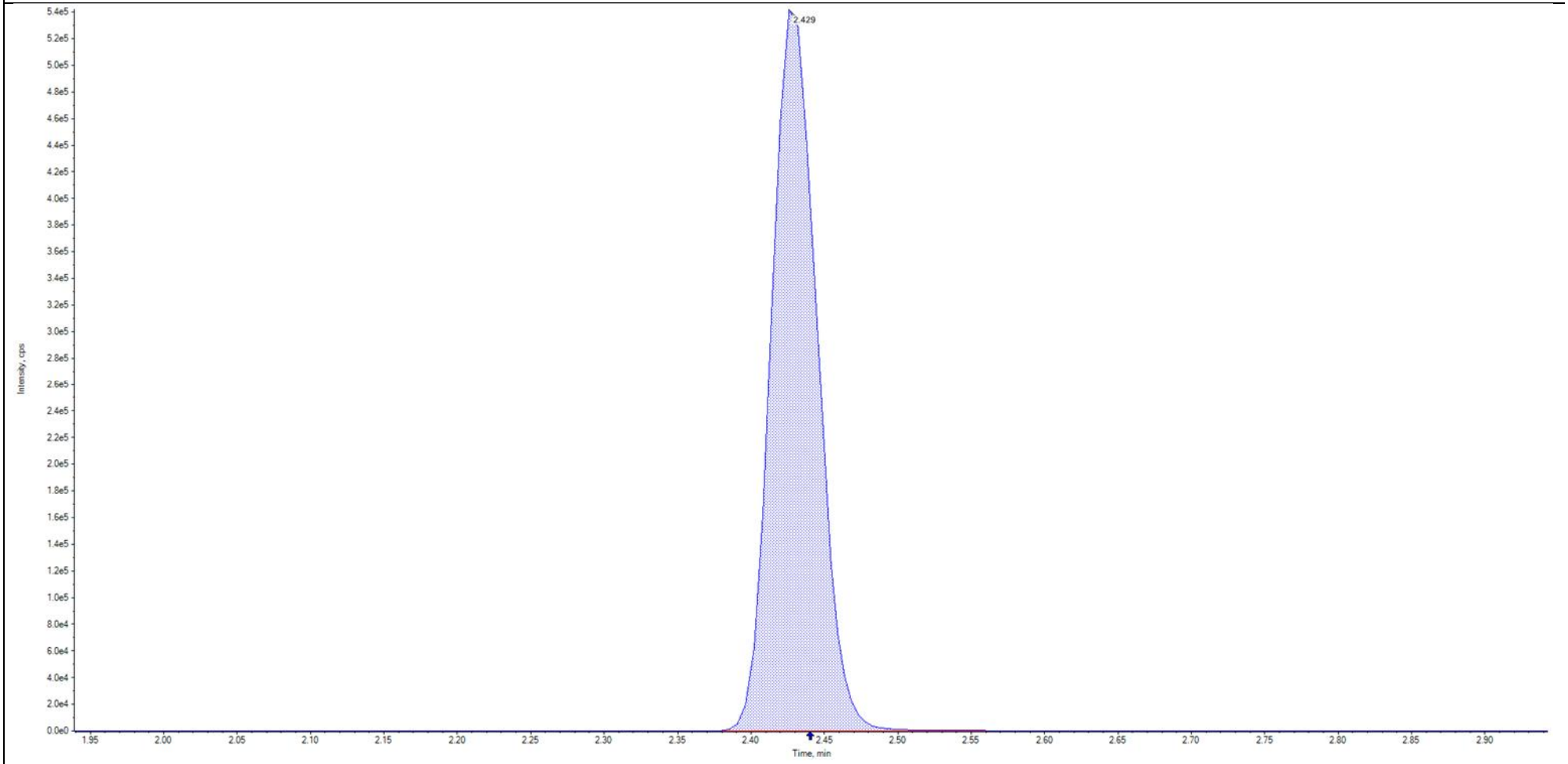
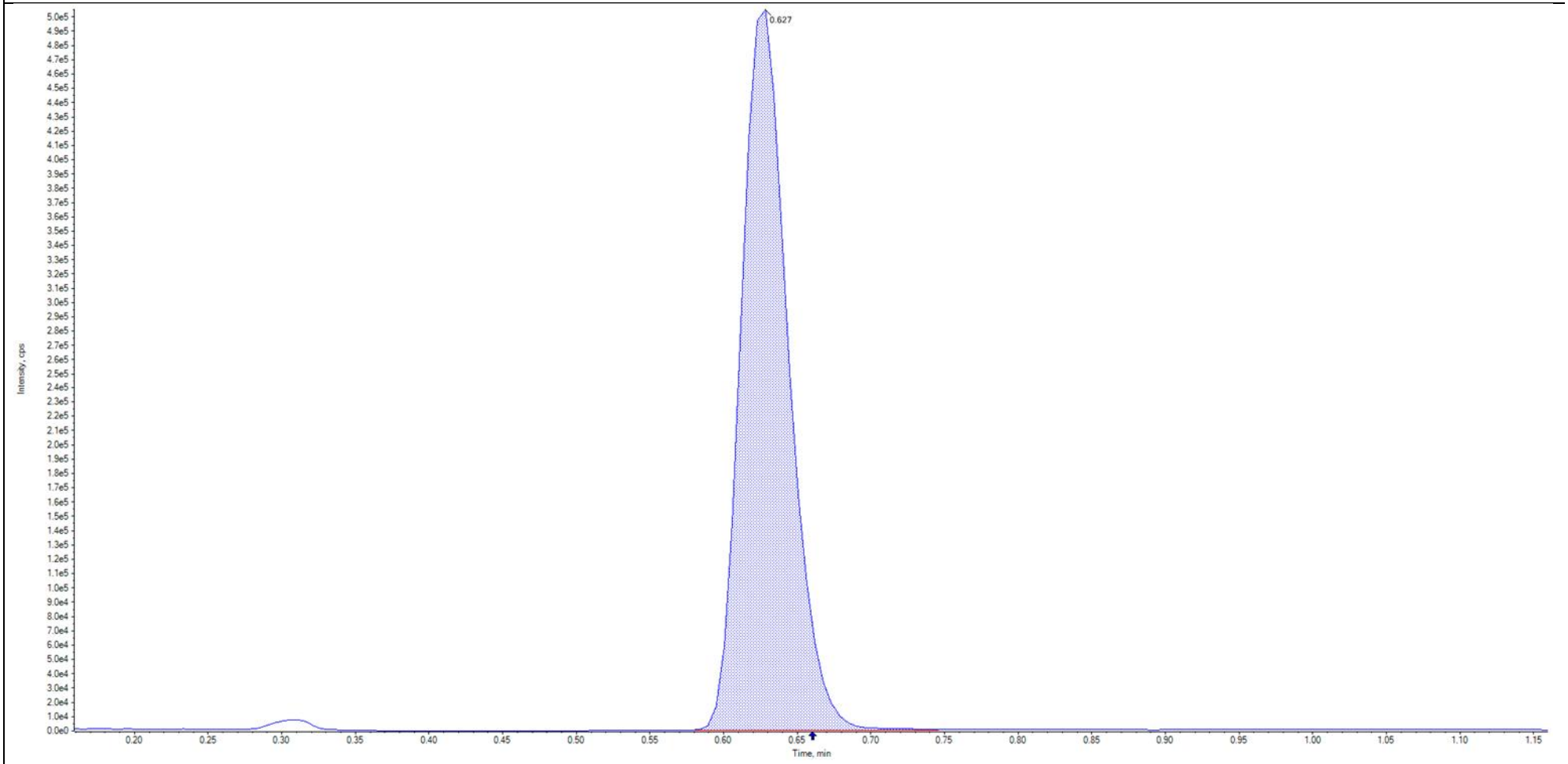


13C3-HFPO-DA
Sample: WG1997639-2,INSTBLANK



13C3-PFBA
Sample: WG1997639-2,INSTBLANK



13C2-PFHxA
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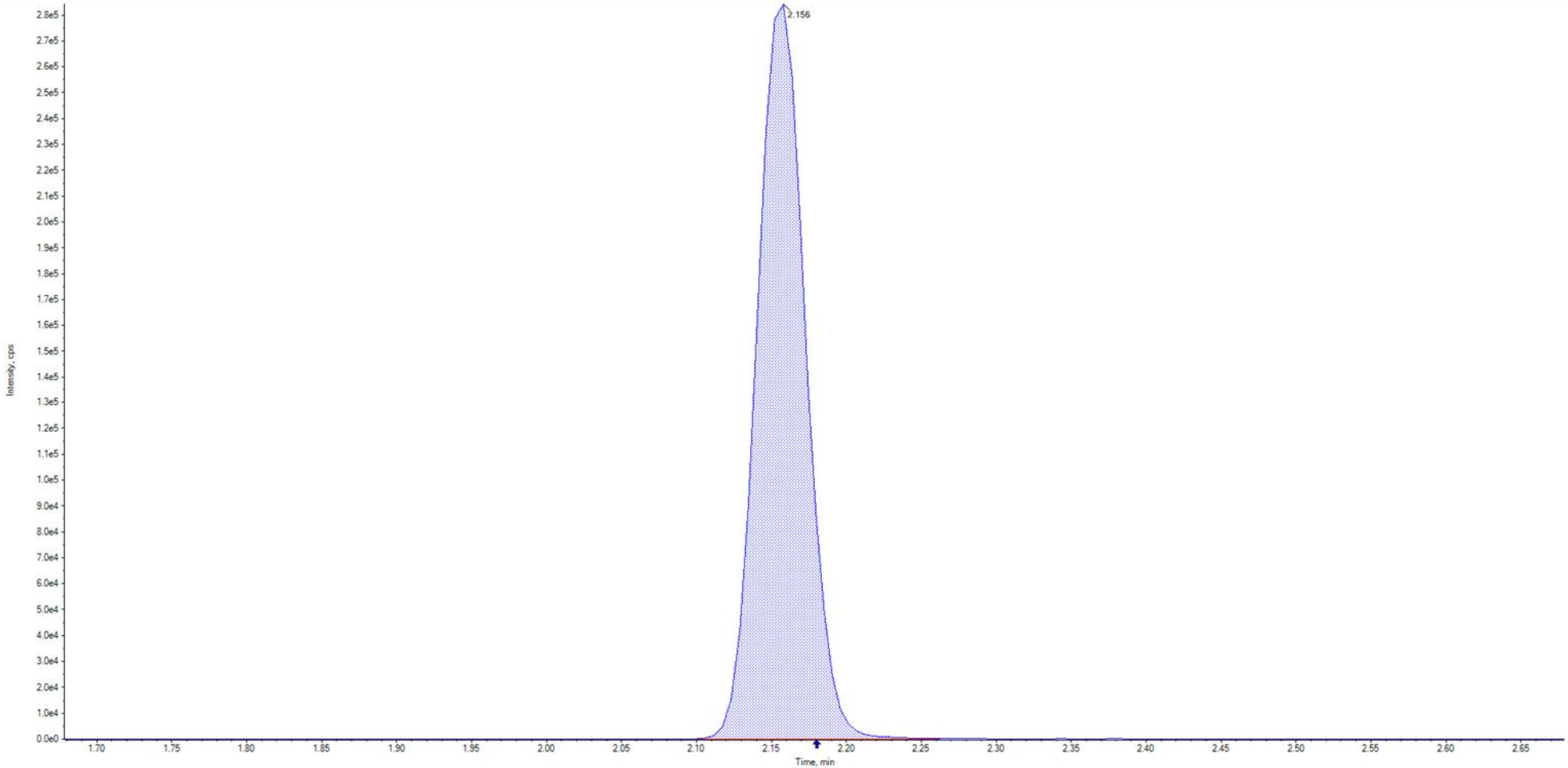

13C4-PFOA
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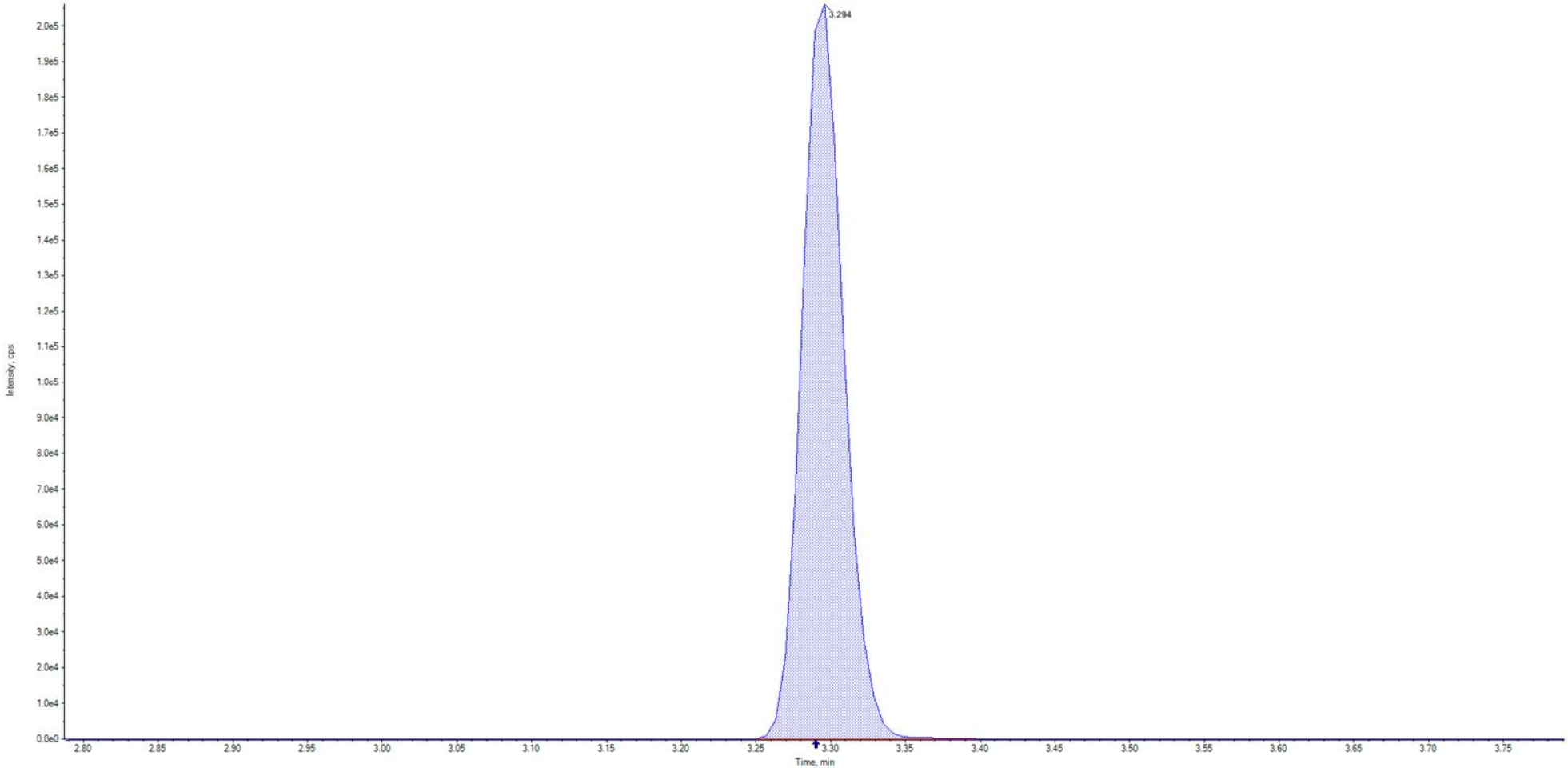
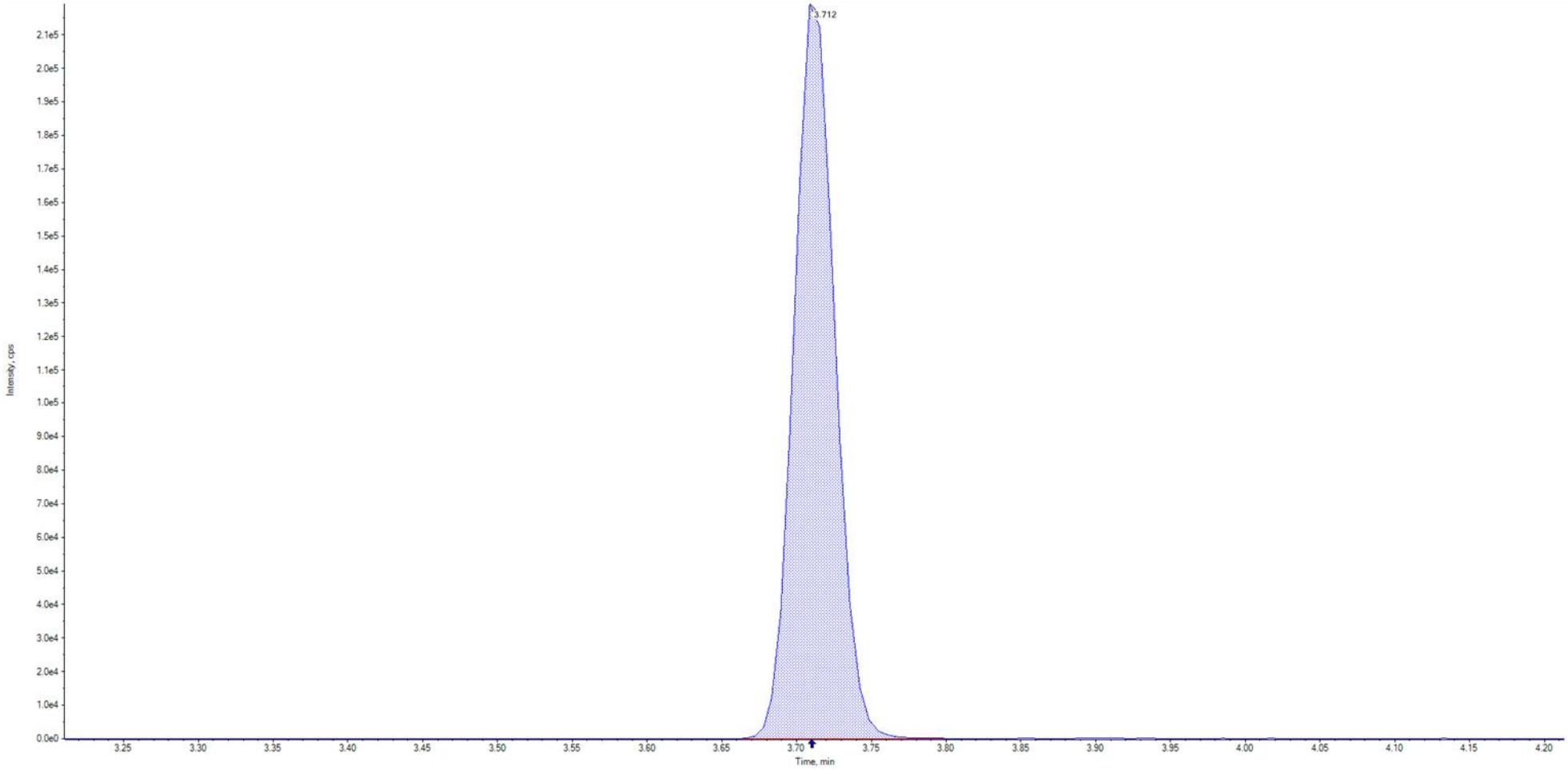


13C5-PFNA
Sample: WG1997639-2,INSTBLANK



13C2-PFDA
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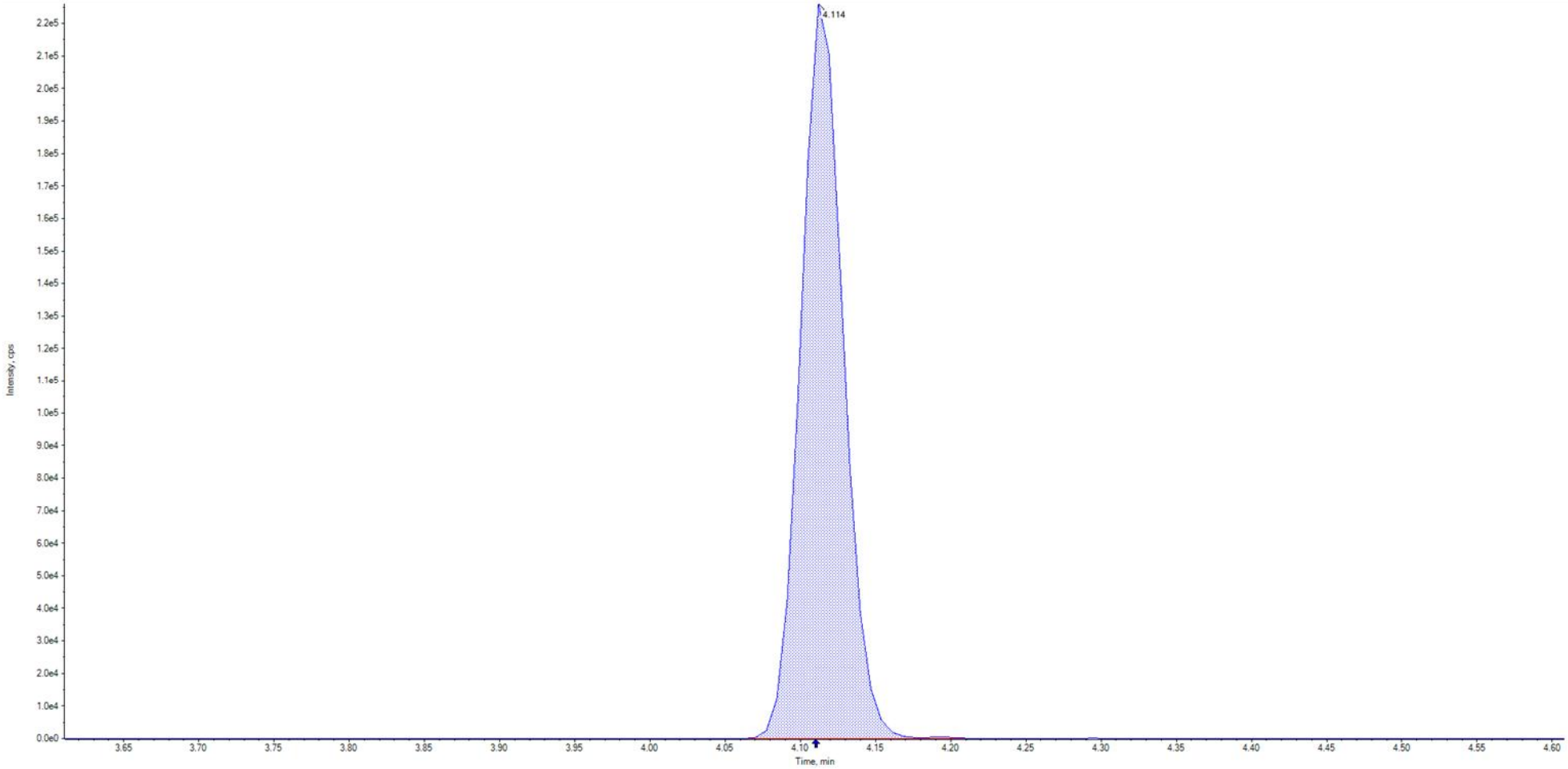

18O2-PFHxS
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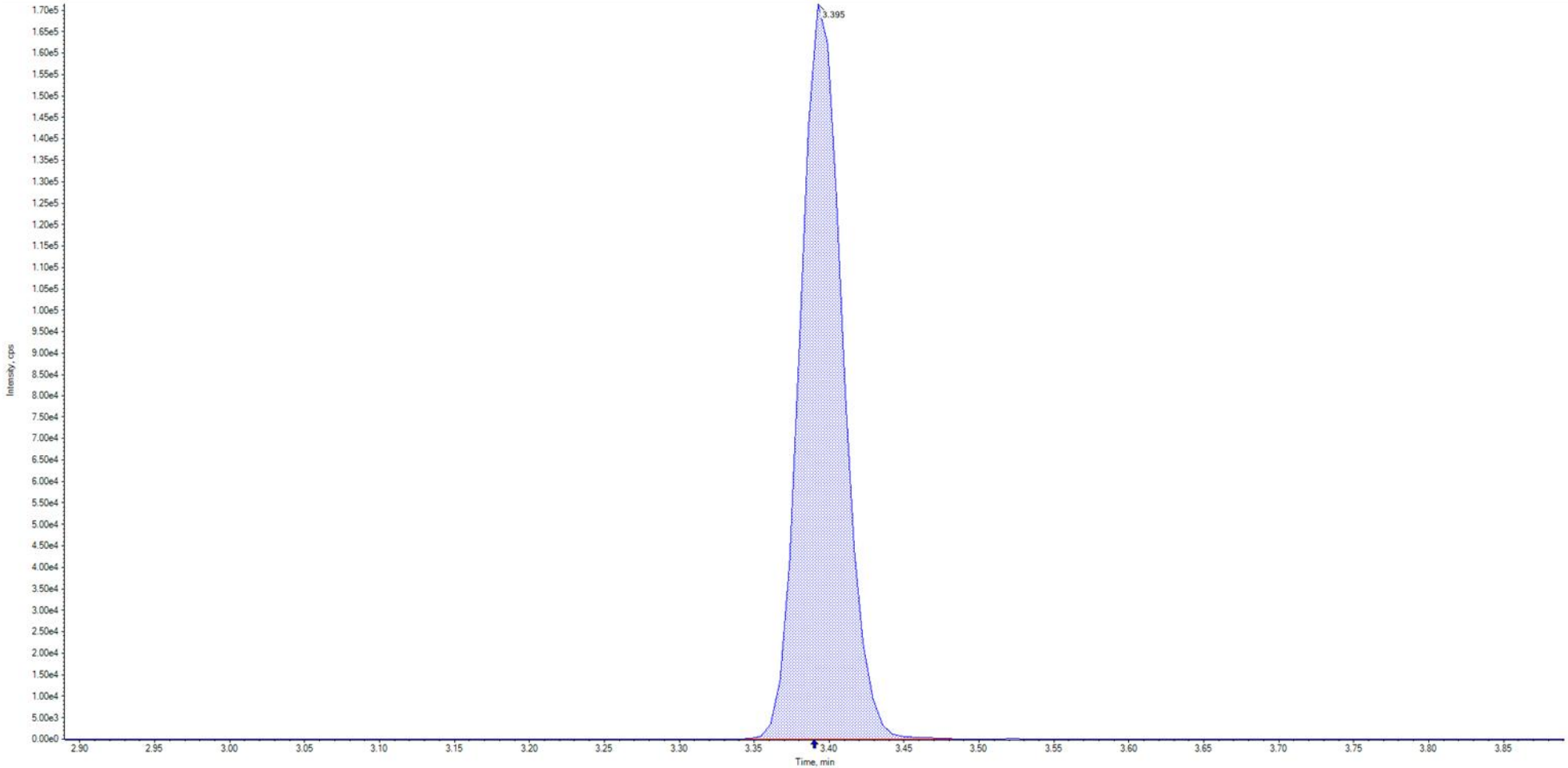

13C4-PFOS
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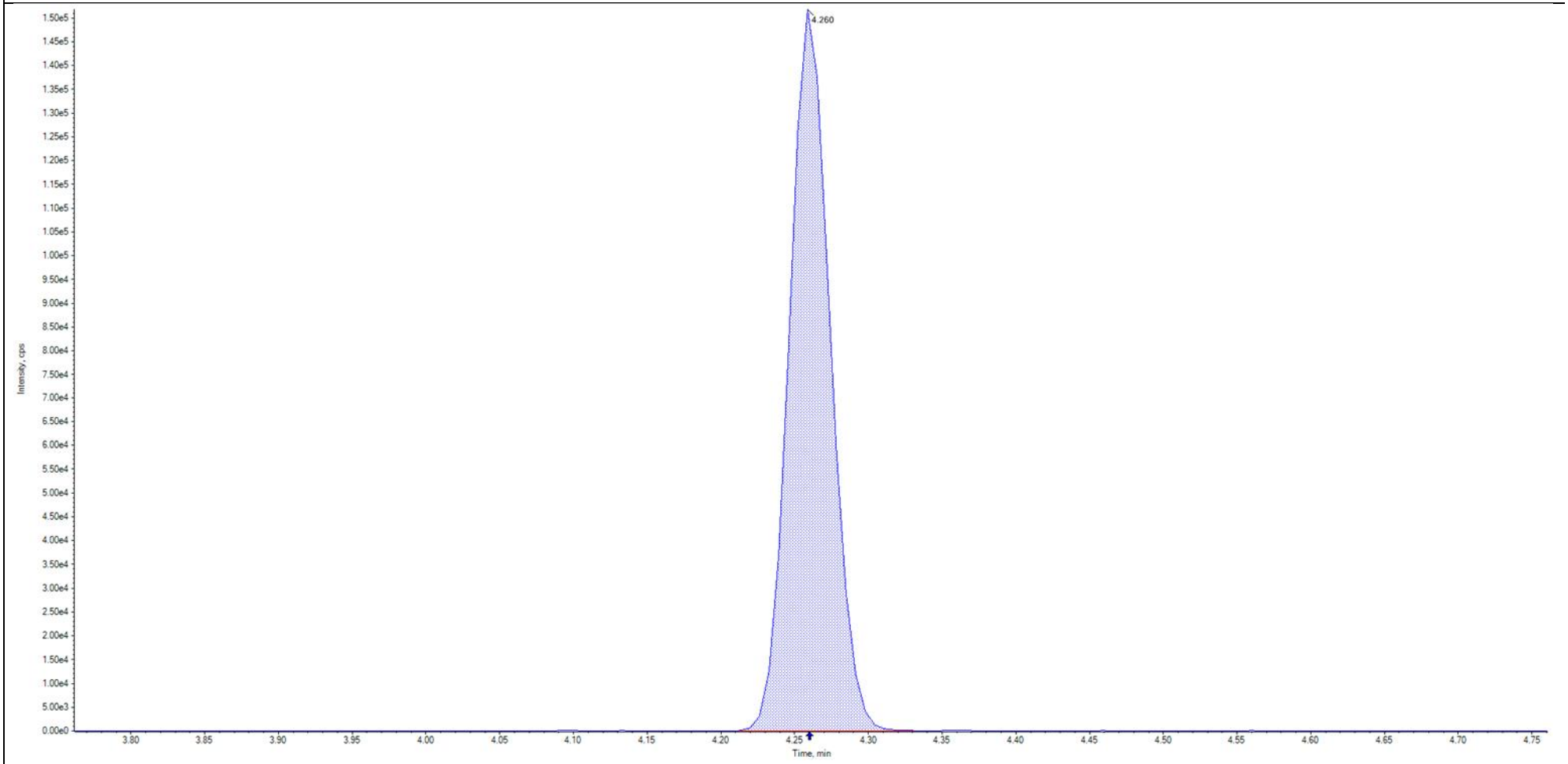

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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Method: EPA1633F.qmethod
Calibration: 241115_EPA1633_ICAL

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Date & Time: 2024-11-15T14:32:47
Description: WG1997639,
Instrument: SCIEX Triple Quad 5500+
User: LCMS05:PNB

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	N/A	213.0 / 169.0	N/A		N/A	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	N/A	263.0 / 219.0	N/A		N/A	N/A	N/A	N/A	N/A
3	PFPeA_2	2706-90-3	N/A	263.0 / 68.9	N/A		N/A	N/A	N/A	N/A	N/A
4	PFHxA	307-24-4	N/A	313.0 / 269.0	N/A		N/A	N/A	0.089	N/A	N/A
5	PFHxA_2	307-24-4	N/A	313.0 / 119.0	N/A		N/A	N/A	0.089	N/A	N/A
6	PFHpA	375-85-9	N/A	363.1 / 319.0	N/A		N/A	N/A	0.332	N/A	N/A
7	PFHpA_2	375-85-9	N/A	363.1 / 169.0	N/A		N/A	N/A	0.332	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	0.369	N/A	N/A
9	PFOA_2	335-67-1	N/A	413.1 / 169.0	N/A		N/A	N/A	0.369	N/A	N/A
10	PFNA	375-95-1	N/A	462.8 / 418.9	N/A		N/A	N/A	0.303	N/A	N/A
11	PFNA_2	375-95-1	N/A	462.8 / 219.0	N/A		N/A	N/A	0.303	N/A	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.162	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.162	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.199	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.199	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.180	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.180	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.160	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.160	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.149	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.149	N/A	N/A
22	PFBS	375-73-5	N/A	299.1 / 80.1	N/A		N/A	N/A	0.388	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	0.388	N/A	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.297	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.297	N/A	N/A
26	PFHxS	355-46-4	N/A	399.1 / 80.1	N/A		N/A	N/A	0.296	N/A	N/A
27	PFHxS_2	355-46-4	N/A	399.1 / 99.1	N/A		N/A	N/A	0.296	N/A	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.258	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.258	N/A	N/A
30	PFOS	1763-23-1	N/A	499.1 / 80.1	N/A		N/A	N/A	0.233	N/A	N/A
31	PFOS_2	1763-23-1	N/A	499.1 / 99.1	N/A		N/A	N/A	0.233	N/A	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.296	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.296	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.272	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.272	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.263	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.263	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.95	327.1 / 307.1	4406		0.074	0.588	0.559	Pass	N/A
39	4:2FTS_2	757124-72-4	1.95	327.1 / 81.1	2591		0.077	0.588	0.559	Pass	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.593	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.593	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.759	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.759	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.023	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.023	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.457	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.457	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.309	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.309	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.804	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.804	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.419	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	0.419	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	0.685	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.685	N/A	N/A
58	ADONA	919005-14-4	N/A	376.9 / 251.0	N/A		N/A	N/A	0.884	N/A	N/A
59	ADONA_2	919005-14-4	N/A	376.9 / 84.8	N/A		N/A	N/A	0.884	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.325	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.325	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.338	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.338	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.433	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.433	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	0.935	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	0.935	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	1.712	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.712	N/A	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.084	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.084	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	0.781	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.781	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.150	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.150	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.94	333.2 / 312.1	164331		4.667	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	3.30	415.0 / 370.0	340711		2.398	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.67	217.0 / 172.0	2377754		9.576	NA	NA	NA	95.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.36	268.0 / 223.0	1090680		5.227	NA	NA	NA	104.5
	13C5-PFHxA	EIS	2.18	318.0 / 273.0	420952		2.347	NA	NA	NA	93.9
	13C4-PFHpA	EIS	2.84	367.0 / 322.0	283058		2.299	NA	NA	NA	91.9
	13C8-PFOA	EIS	3.30	420.8 / 376.0	1118482		2.757	NA	NA	NA	110.3
	13C9-PFNA	EIS	3.71	472.0 / 427.0	416656		1.161	NA	NA	NA	92.9
	13C6-PFDA	EIS	4.12	519.0 / 474.0	479282		1.265	NA	NA	NA	101.2
	13C7-PFUnA	EIS	4.51	570.0 / 525.0	369447		1.129	NA	NA	NA	90.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.90	615.1 / 570.0	267385		0.981	NA	NA	NA	78.5
	13C2-PFTeDA	EIS	5.66	715.1 / 670.1	238057		0.976	NA	NA	NA	78.1
	13C3-PFBS	EIS	2.18	302.1 / 80.1	478868		2.576	NA	NA	NA	110.5
	13C3-PFHxS	EIS	3.40	402.1 / 80.1	377886		2.345	NA	NA	NA	99.0
	13C8-PFOS	EIS	4.26	507.1 / 80.1	401935		2.322	NA	NA	NA	96.7
	13C2-4:2FTS	EIS	1.95	329.1 / 81.1	151789		4.920	NA	NA	NA	104.9
	13C2-6:2FTS	EIS	3.13	429.2 / 81.1	126654		4.443	NA	NA	NA	93.3
	13C2-8:2FTS	EIS	3.93	529.2 / 81.1	106091		4.142	NA	NA	NA	86.3

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.28	506.1 / 78.1	671990		2.435	NA	NA	NA	97.4
d3-NMeFOSA	EIS	5.99	515.2 / 219.0	99505		2.452	NA	NA	NA	98.1
d5-NEtFOSA	EIS	6.27	531.2 / 219.0	89787		2.374	NA	NA	NA	94.9
d3-NMeFOSAA	EIS	4.20	573.2 / 419.1	159131		3.726	NA	NA	NA	74.5
d5-NEtFOSAA	EIS	4.40	589.3 / 419.1	186214		4.533	NA	NA	NA	90.7
d7-NMeFOSE	EIS	5.85	623.2 / 58.9	1063751		22.174	NA	NA	NA	88.7
d9-NEtFOSE	EIS	6.13	639.2 / 58.9	1617892		23.273	NA	NA	NA	93.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.45	287.0 / 169.0	1278074		9.781	NA	NA	NA	97.8
	13C3-PFBA	NIS	0.67	216.0 / 172.0	1104604		5.584	NA	NA	NA	111.7
	13C2-PFHxA	NIS	2.18	315.0 / 270.0	627021		2.385	NA	NA	NA	95.4
	13C4-PFOA	NIS	3.30	417.0 / 372.0	399437		2.305	NA	NA	NA	92.2
	13C5-PFNA	NIS	3.71	468.0 / 423.0	404756		1.301	NA	NA	NA	104.1
	13C2-PFDA	NIS	4.11	515.1 / 470.1	440714		1.391	NA	NA	NA	111.3
	18O2-PFHxS	NIS	3.40	403.1 / 84.1	326402		2.309	NA	NA	NA	97.4
	13C4-PFOS	NIS	4.26	503.1 / 80.1	300615		2.428	NA	NA	NA	101.2

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

PFBA
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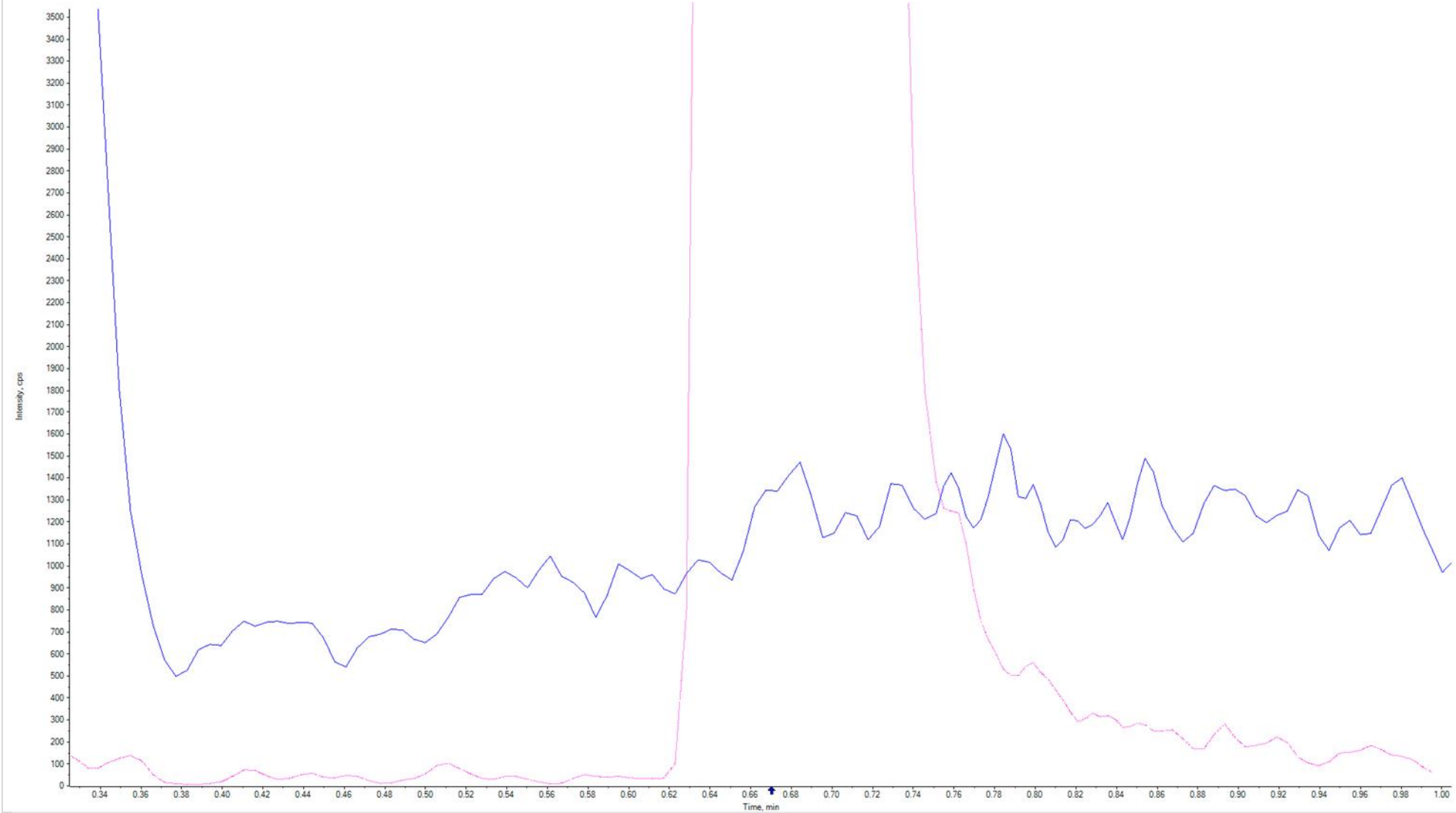

PFPeA
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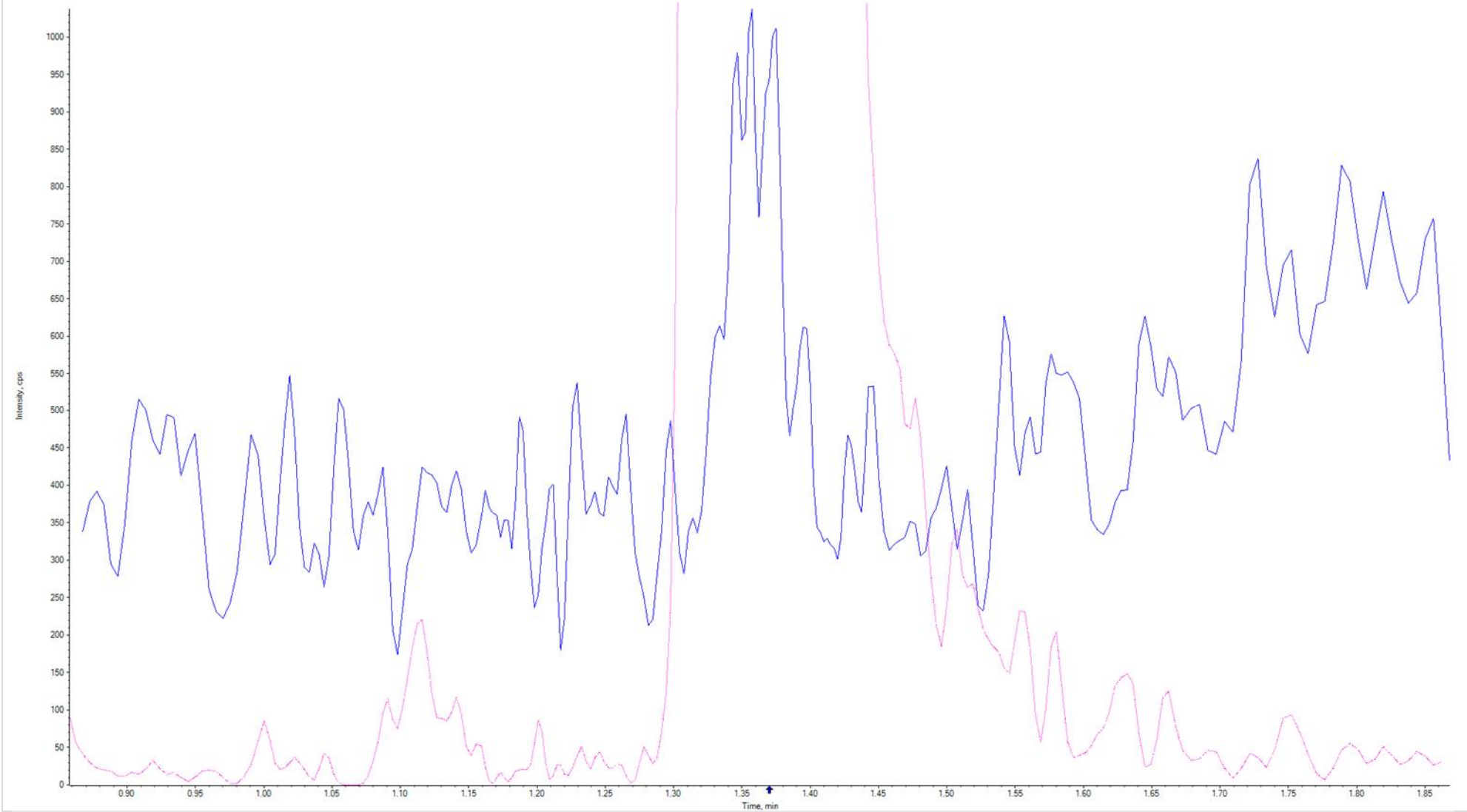

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PFPeA_2
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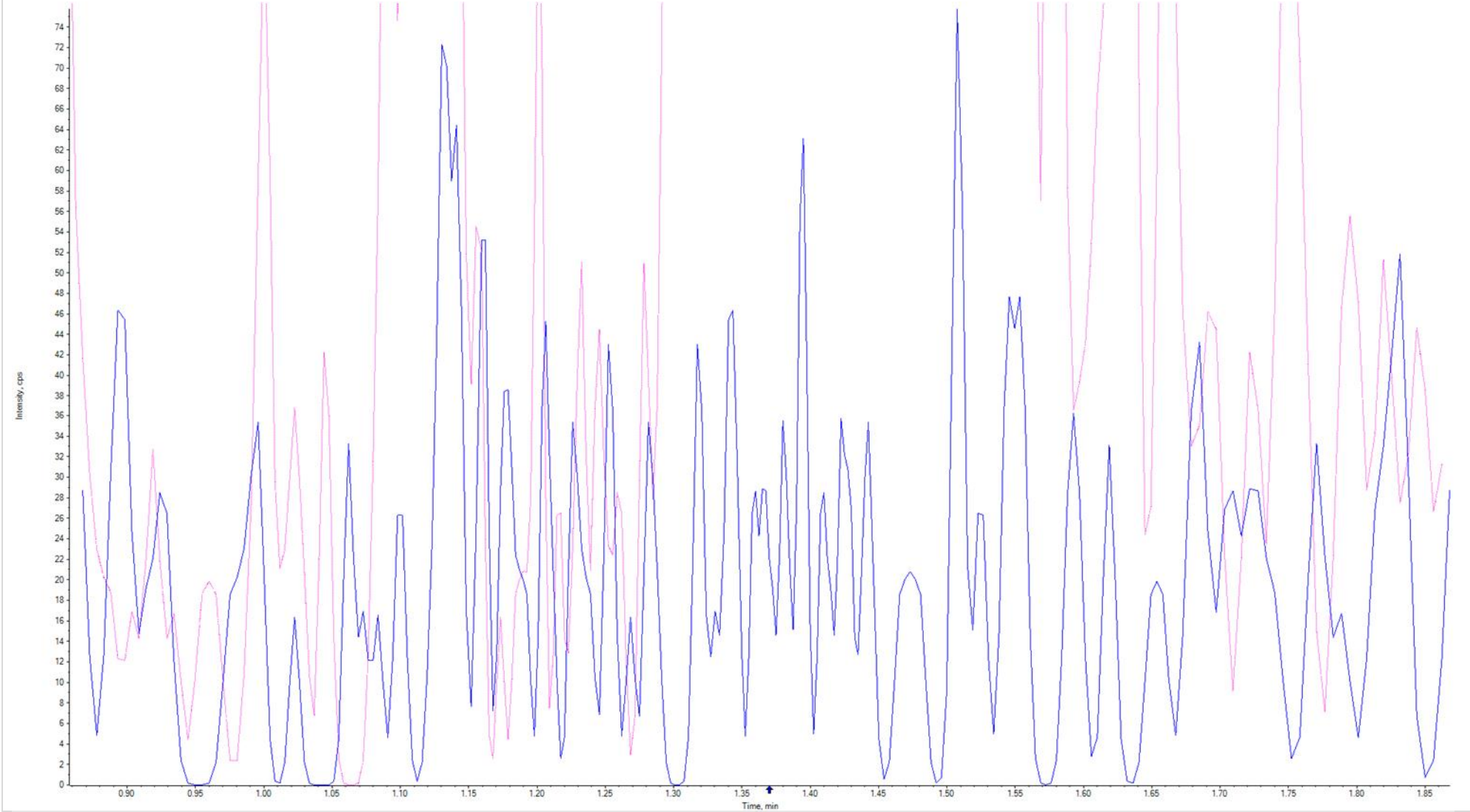

PFHxA
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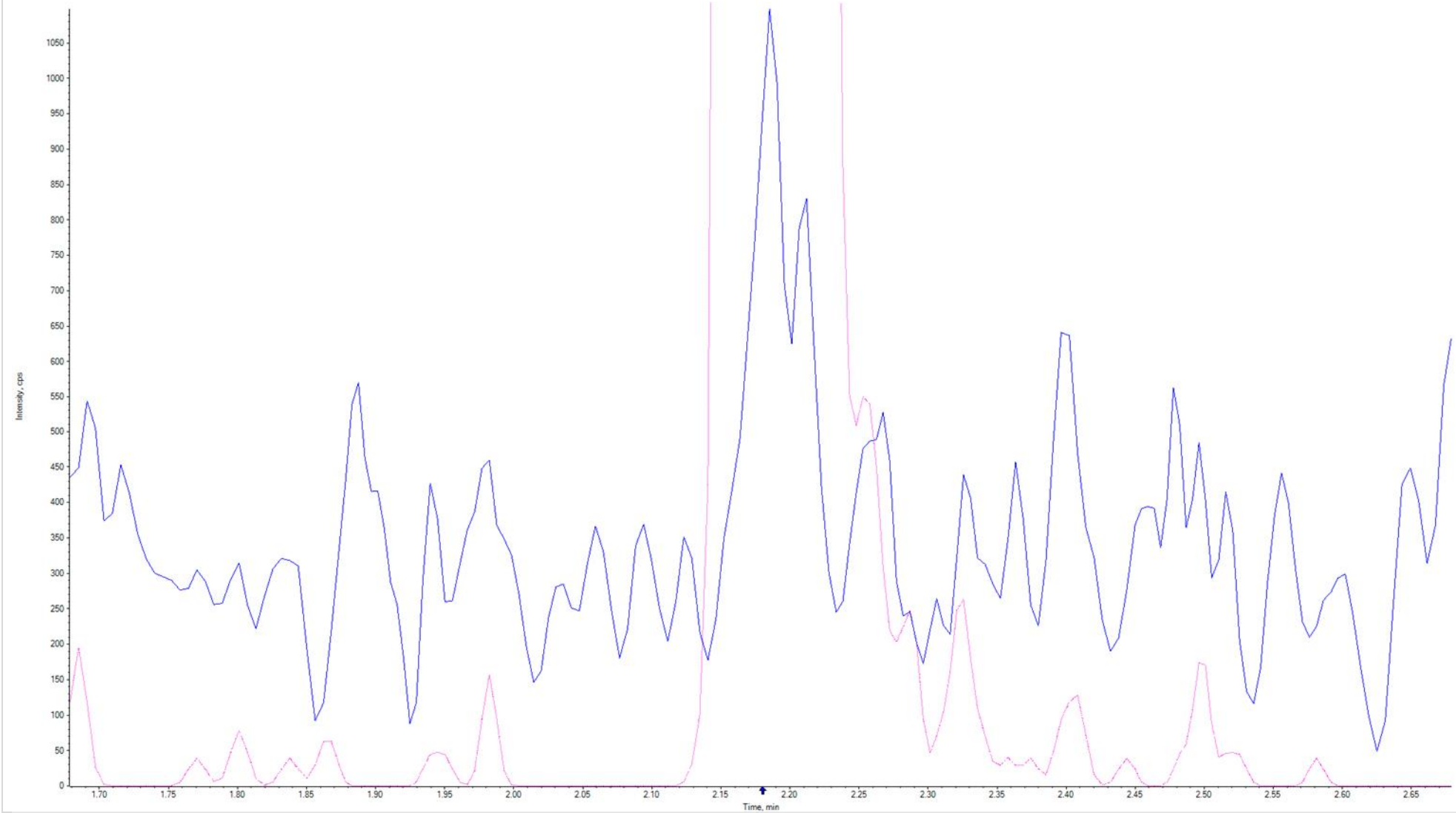

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PFHxA_2
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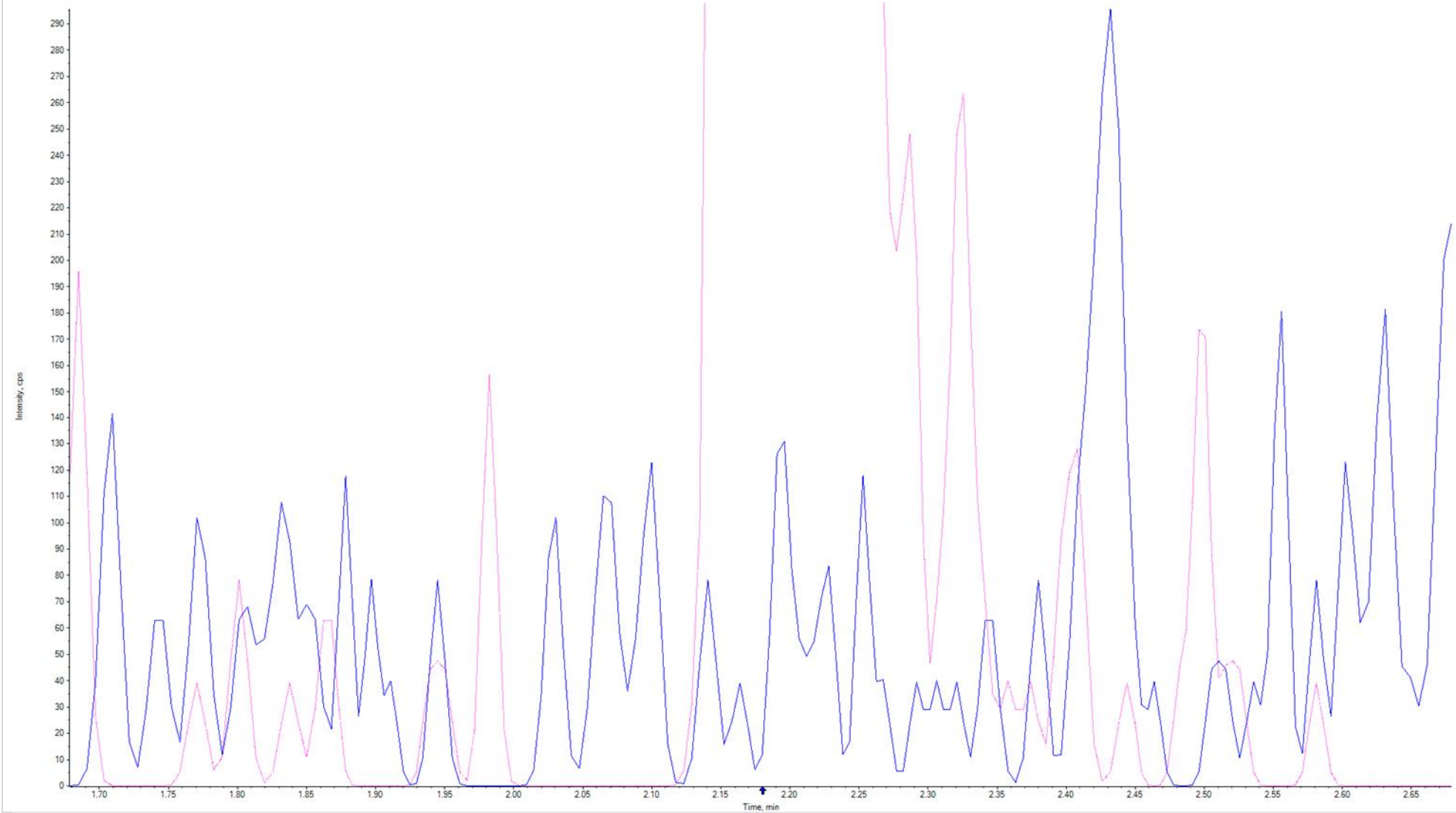

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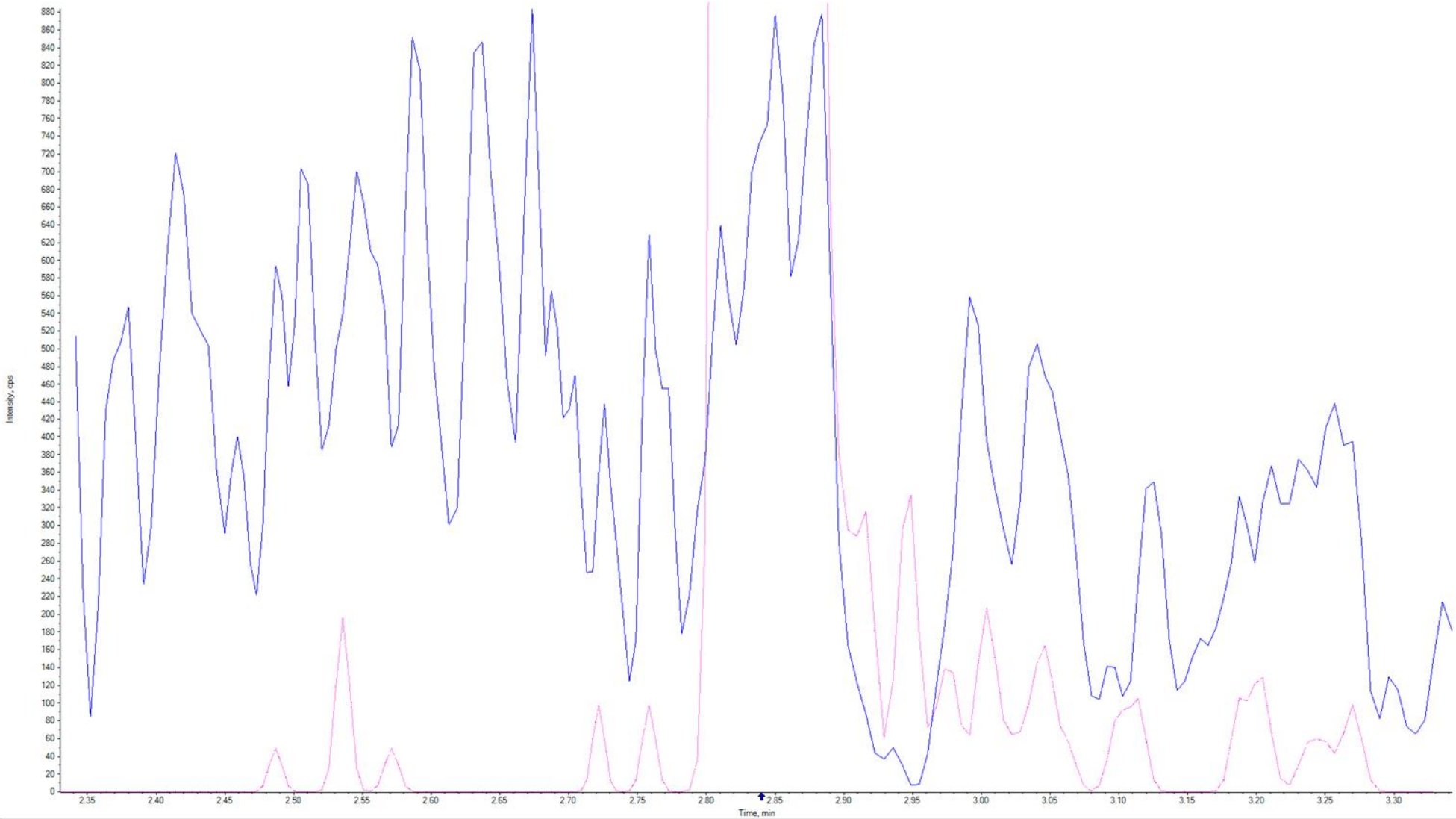

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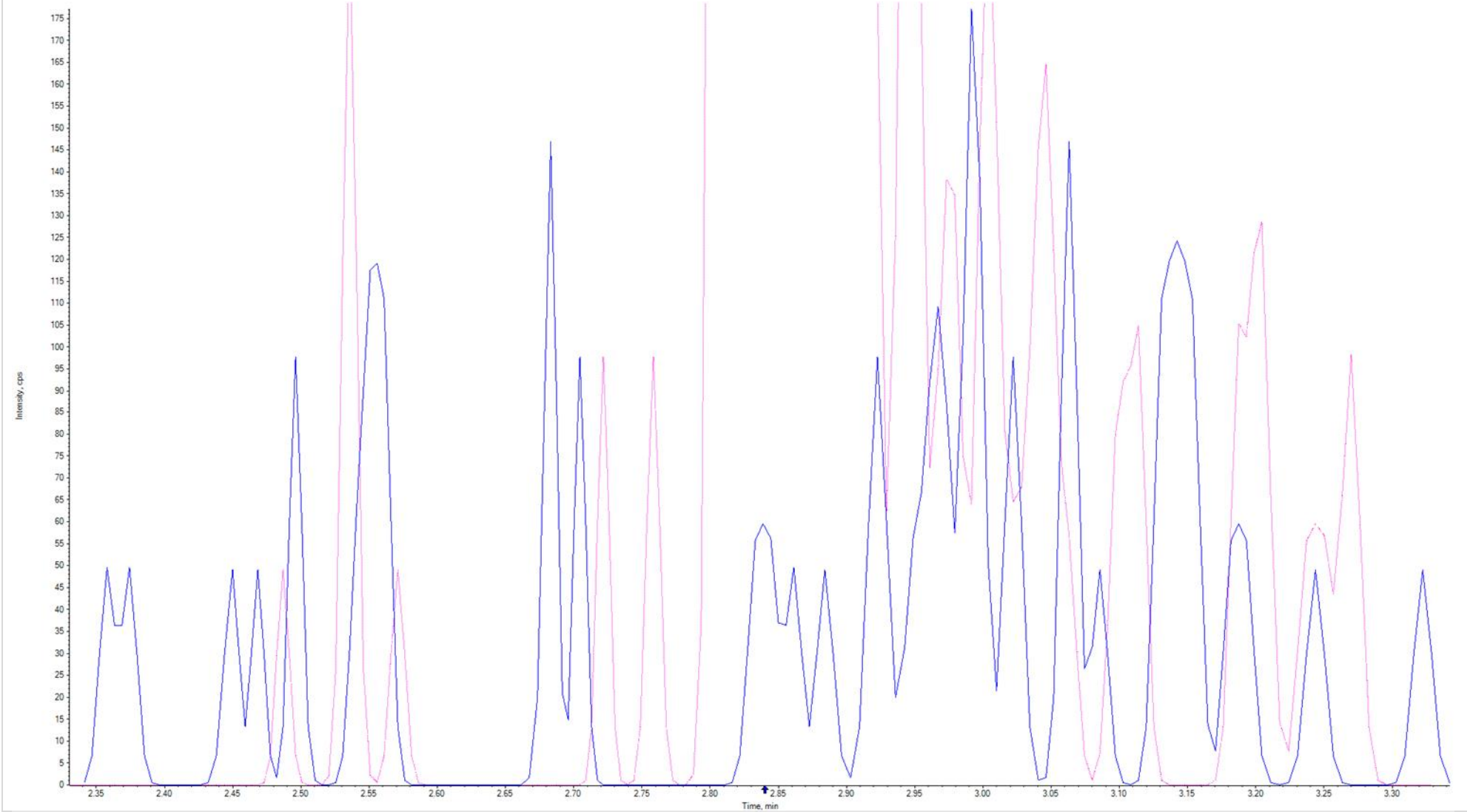

PFOA
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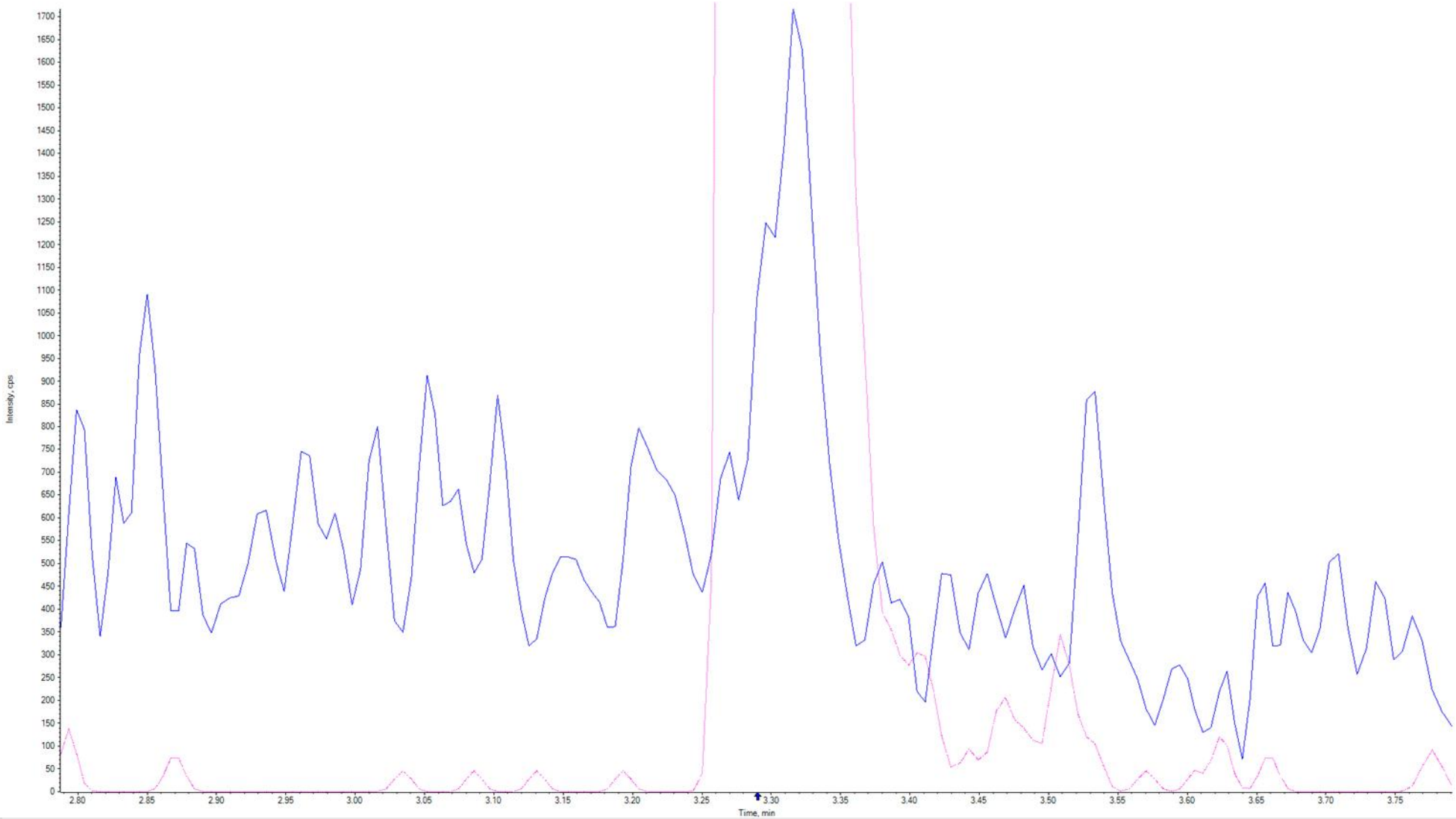

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PFOA_2
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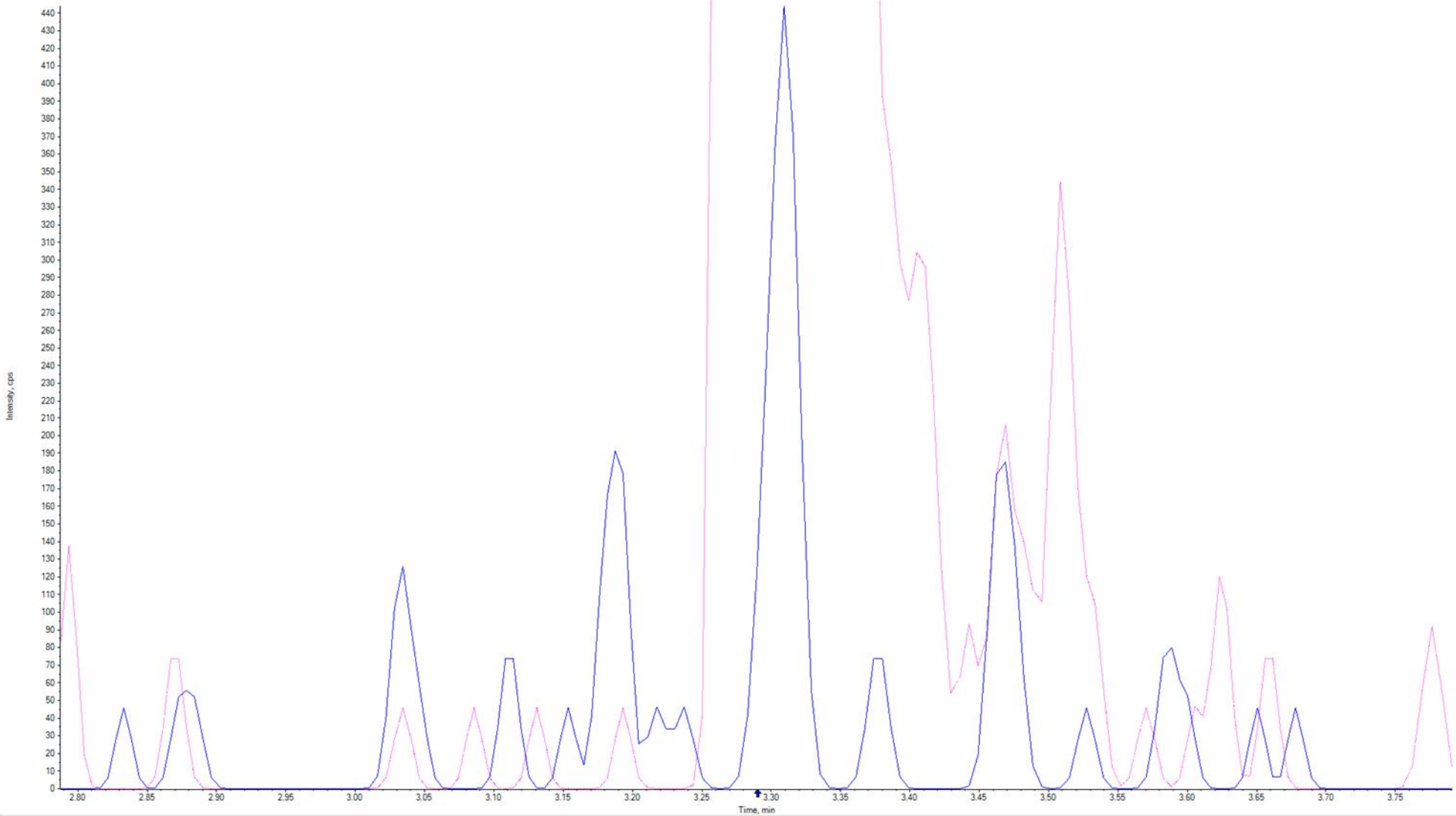

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PFNA
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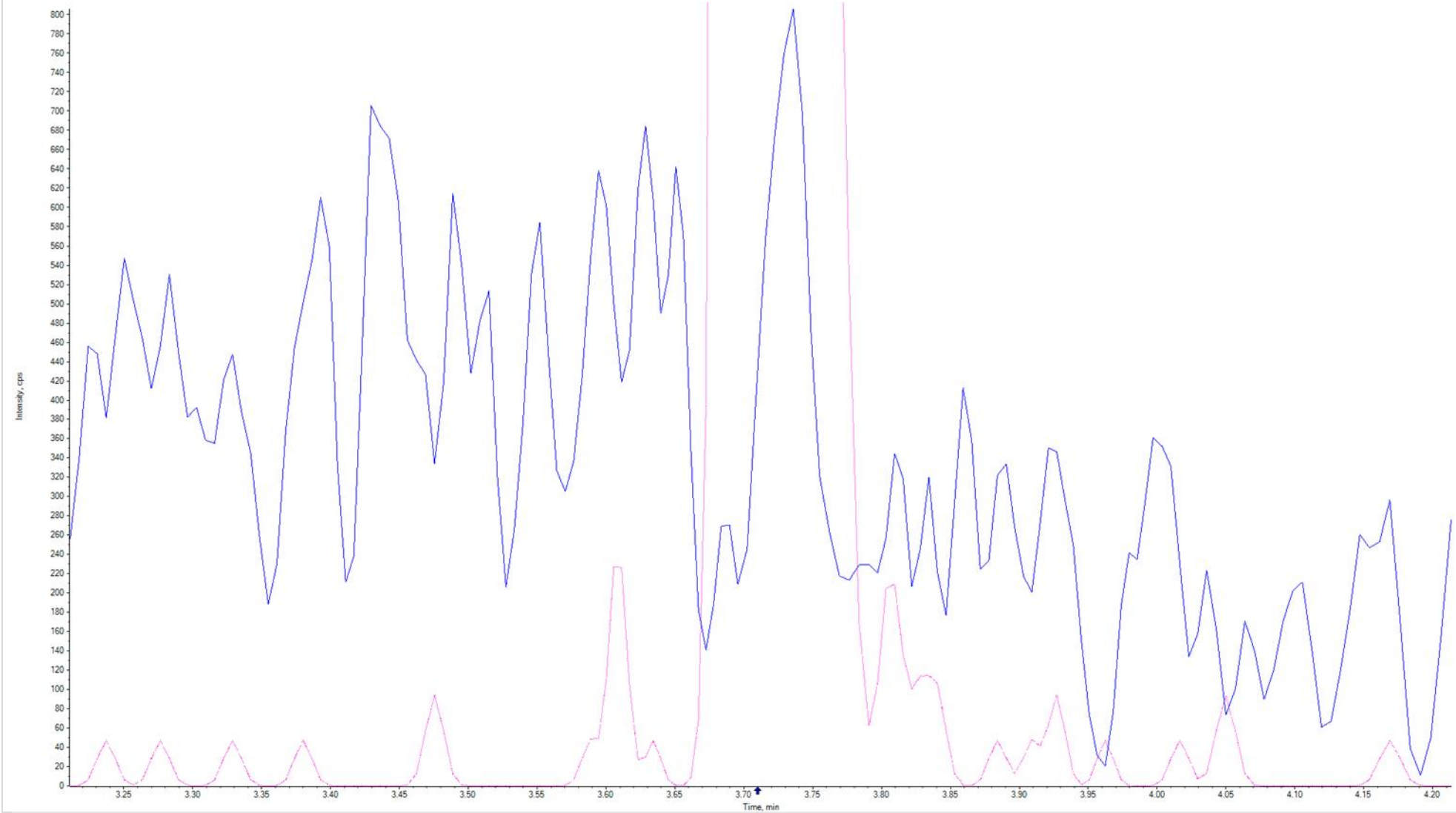

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PFNA_2
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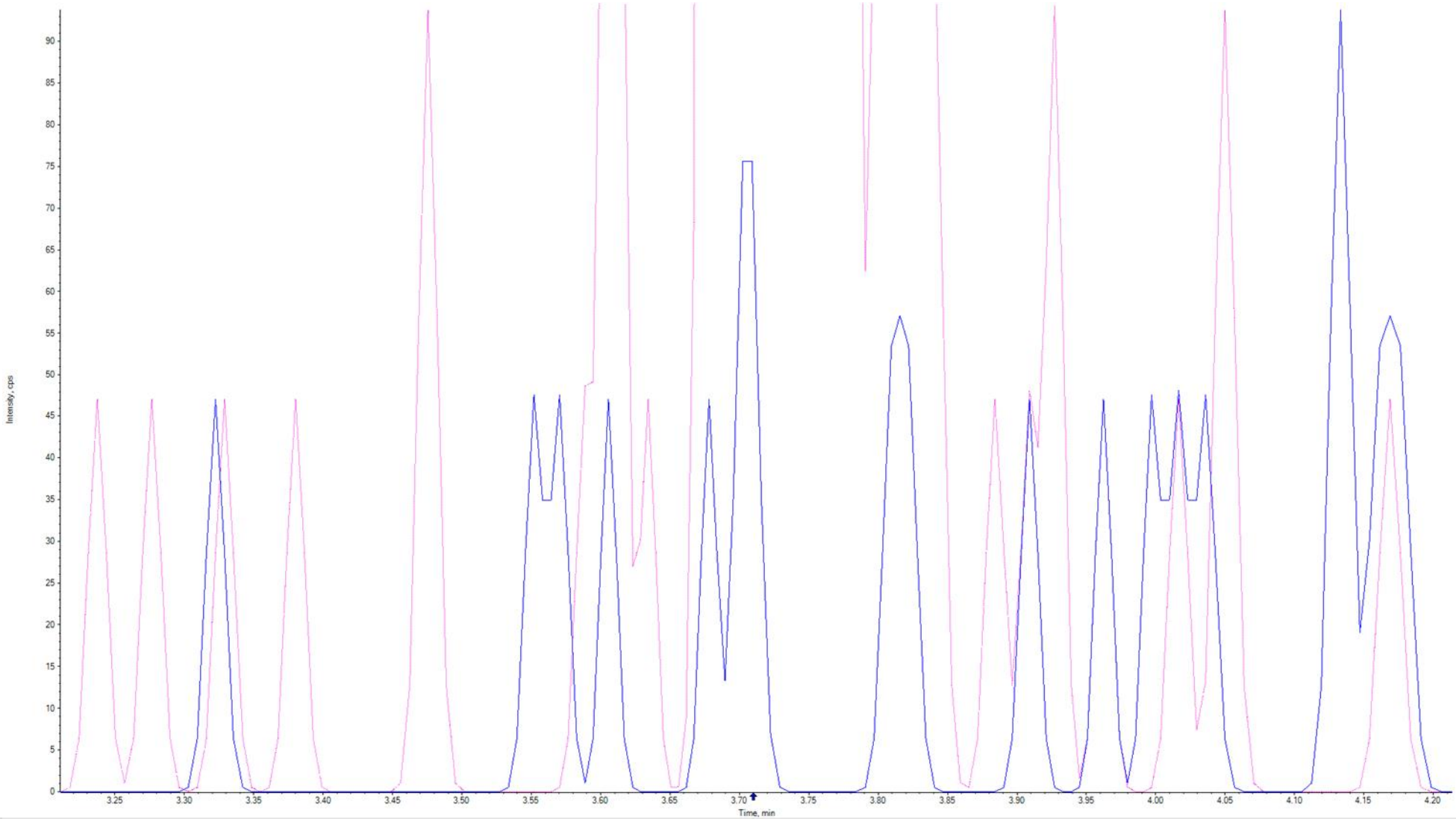

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PFDA
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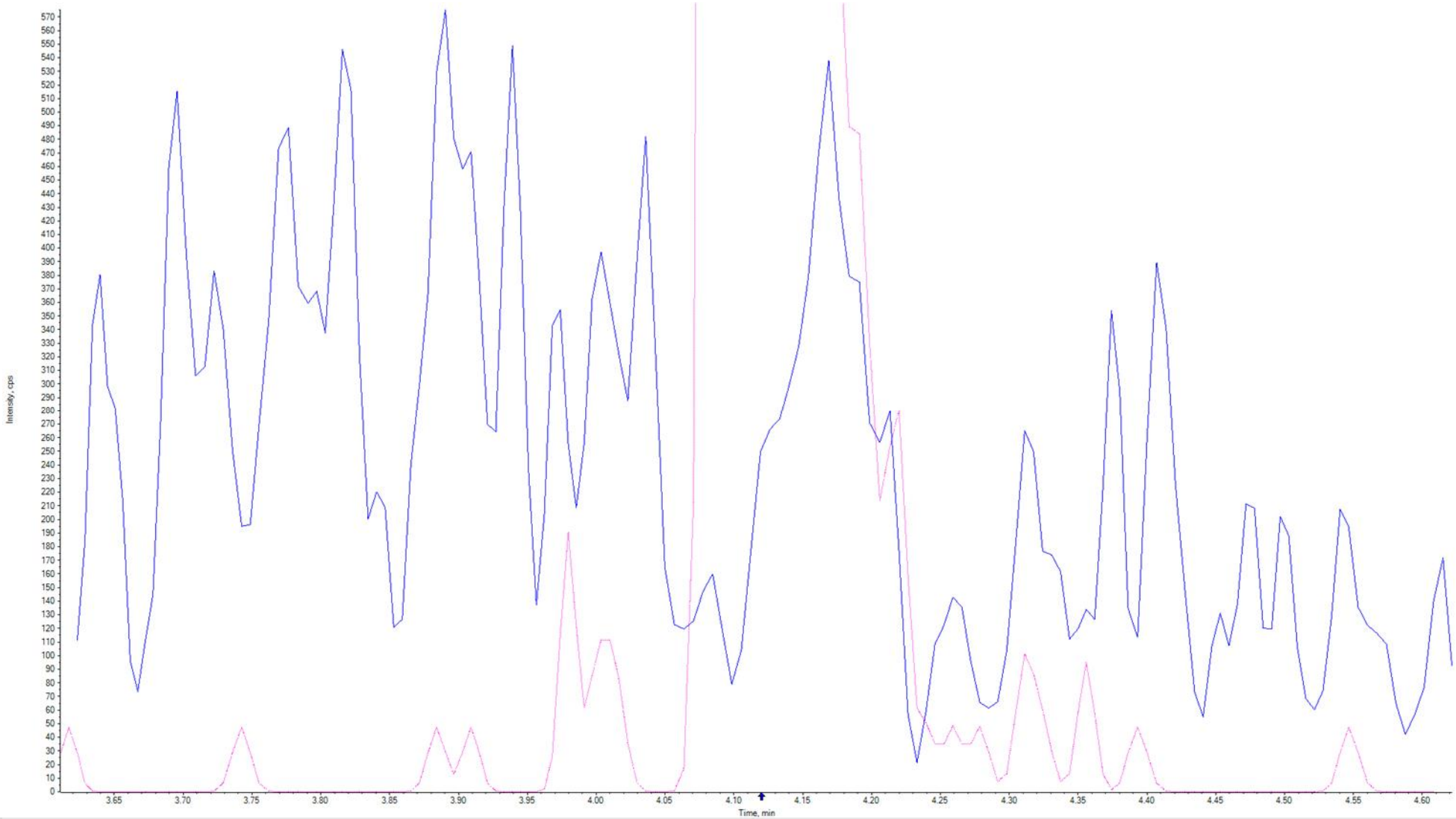

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PFDA_2
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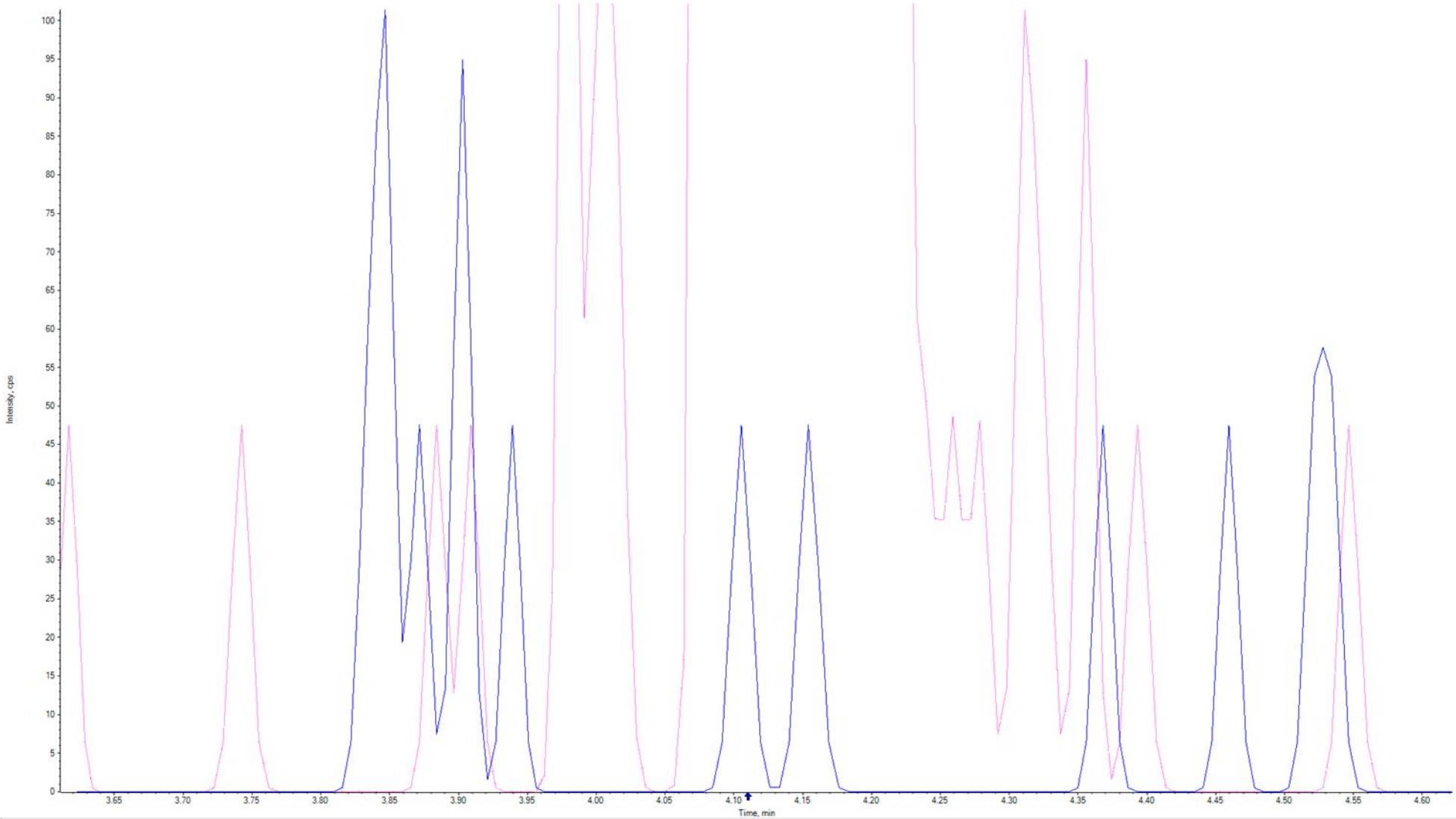

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PFUnA
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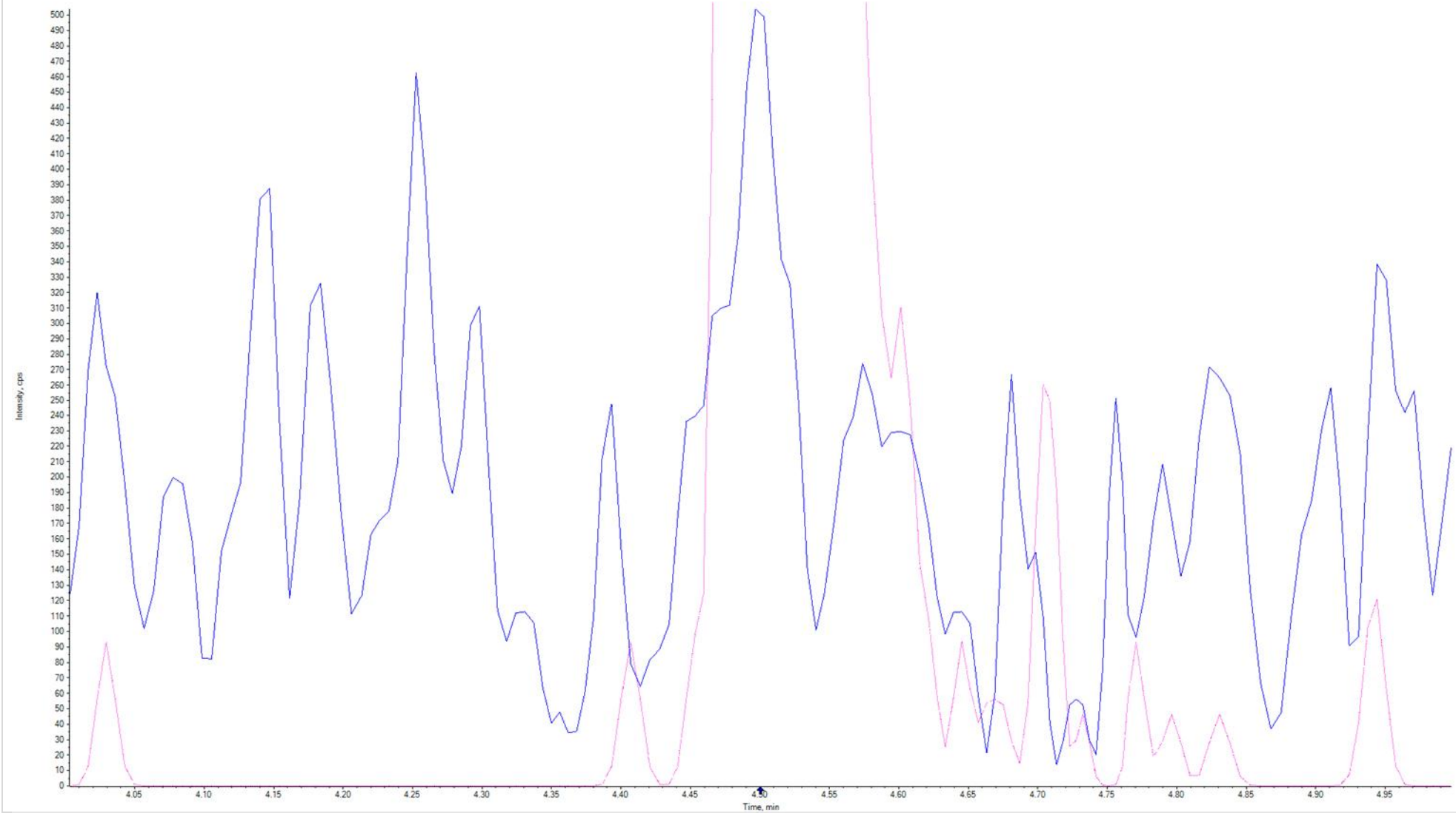

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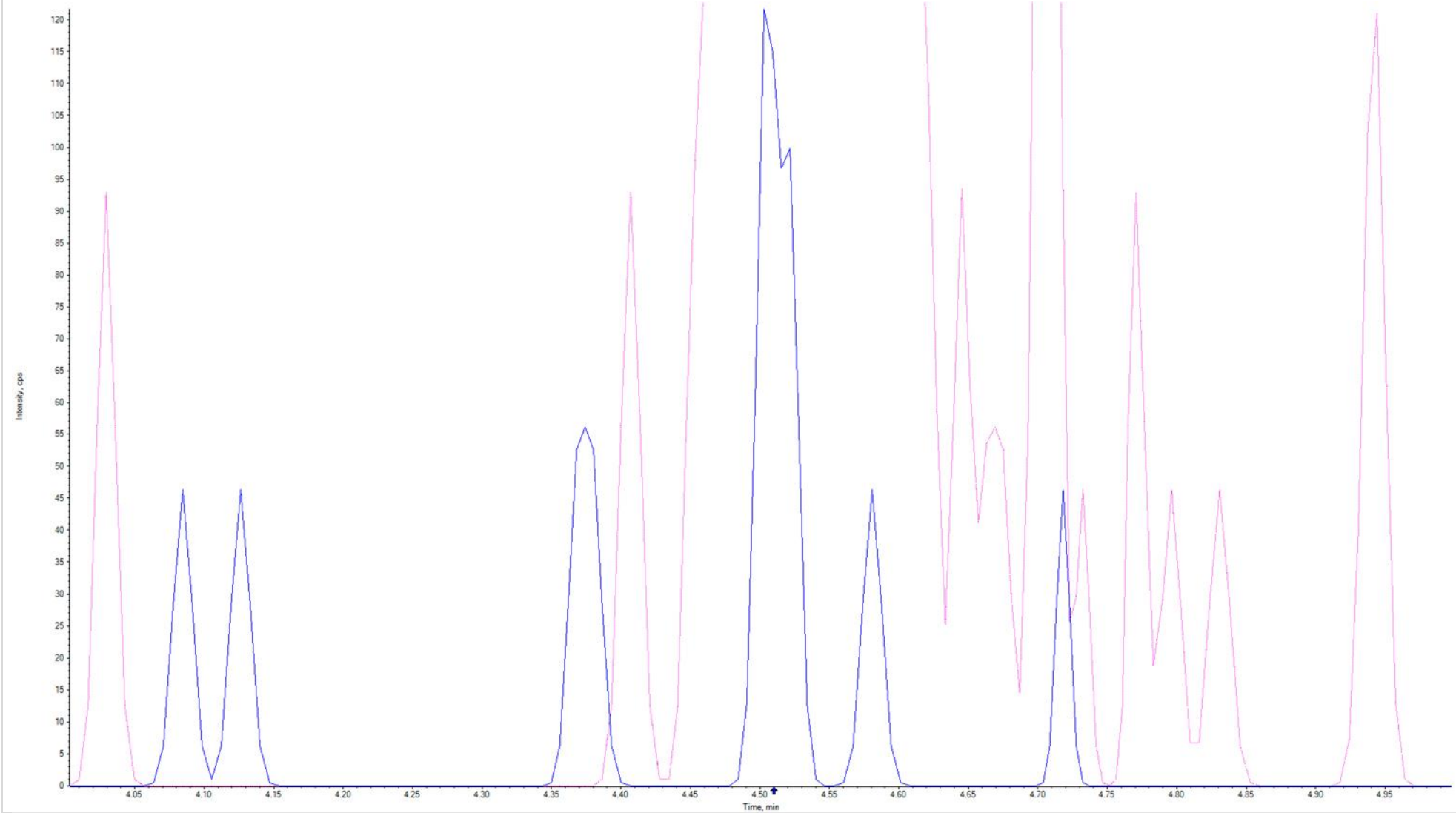

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PFDoA
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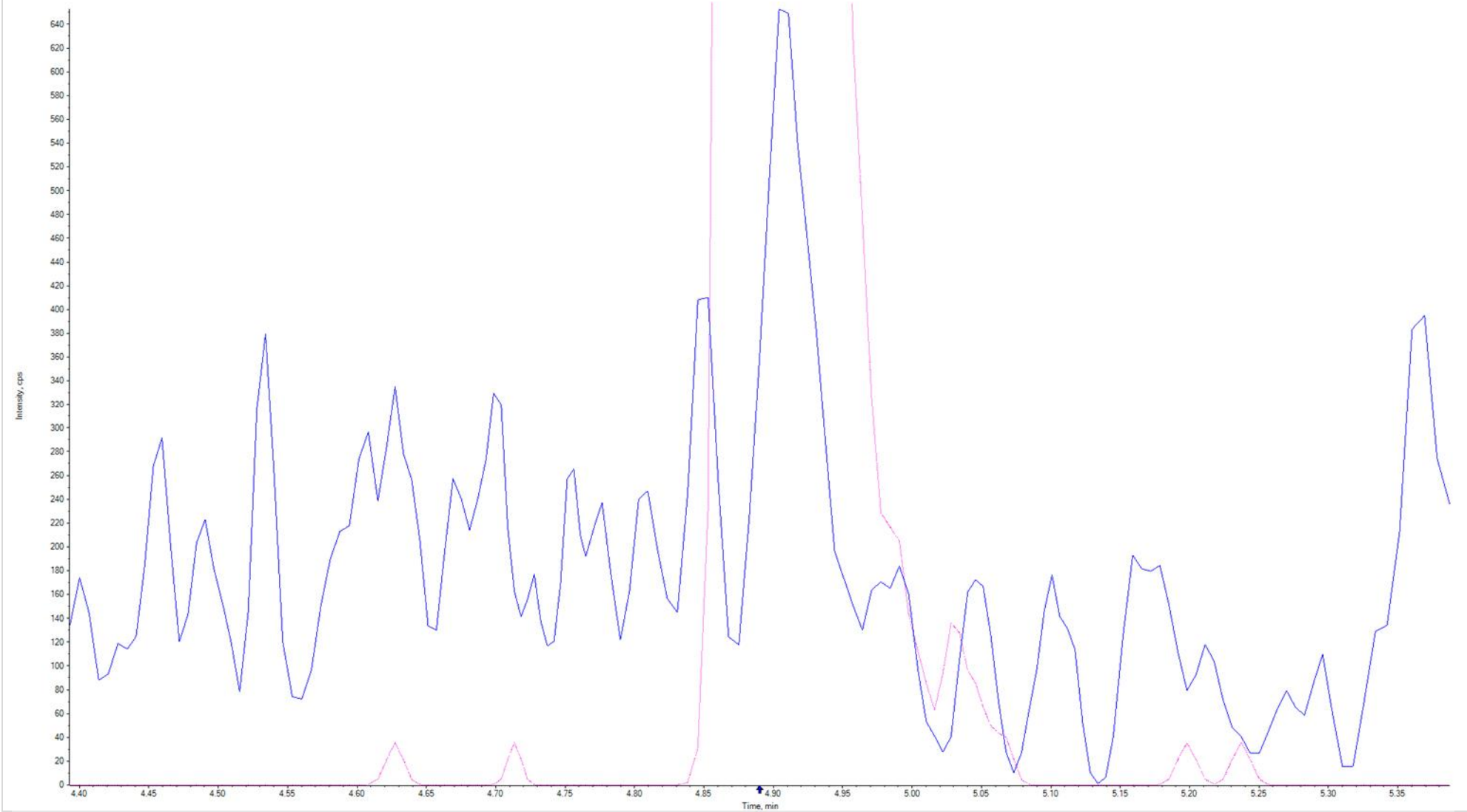

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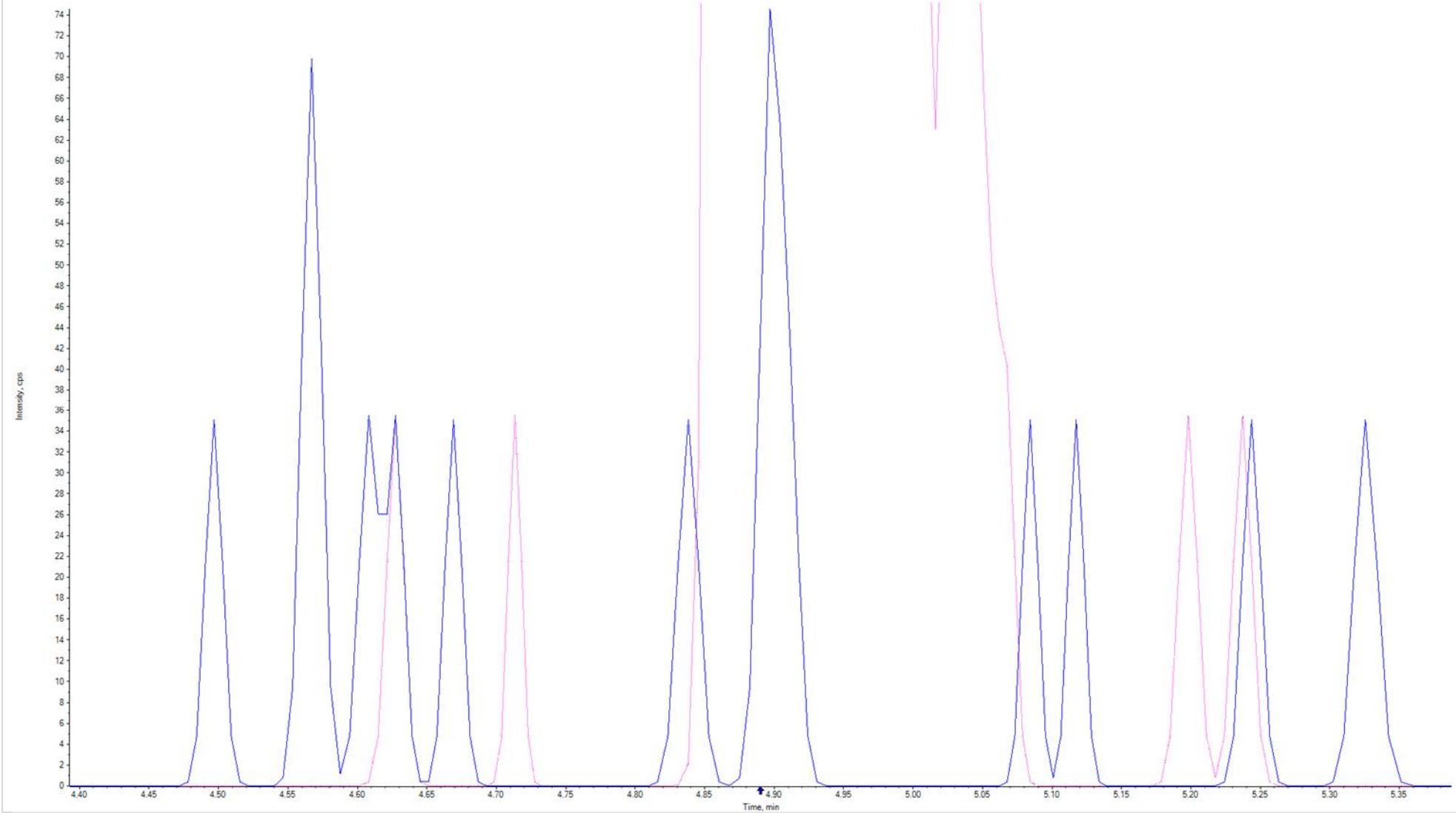

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PFTrDA
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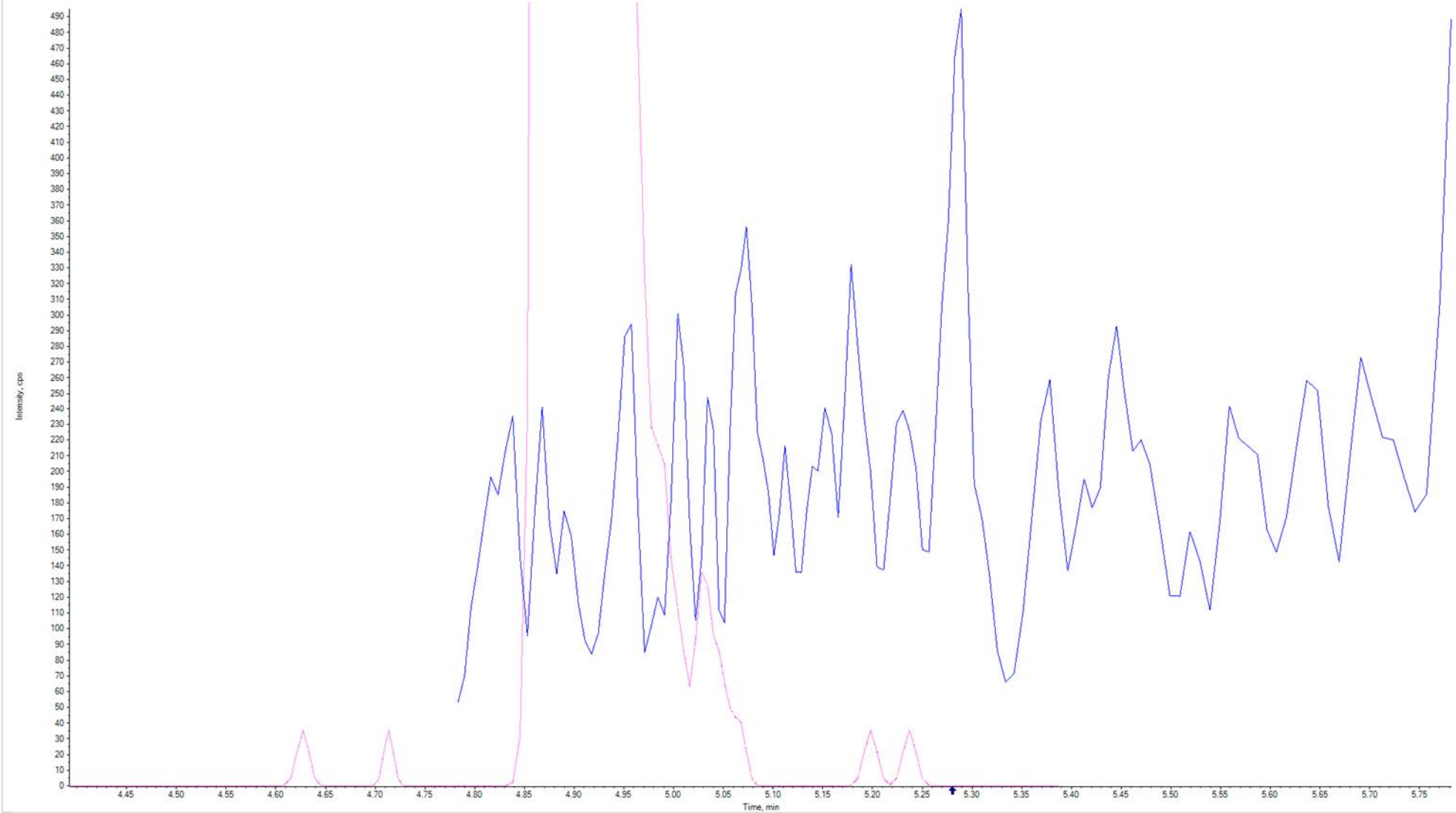

PFTrDA_2
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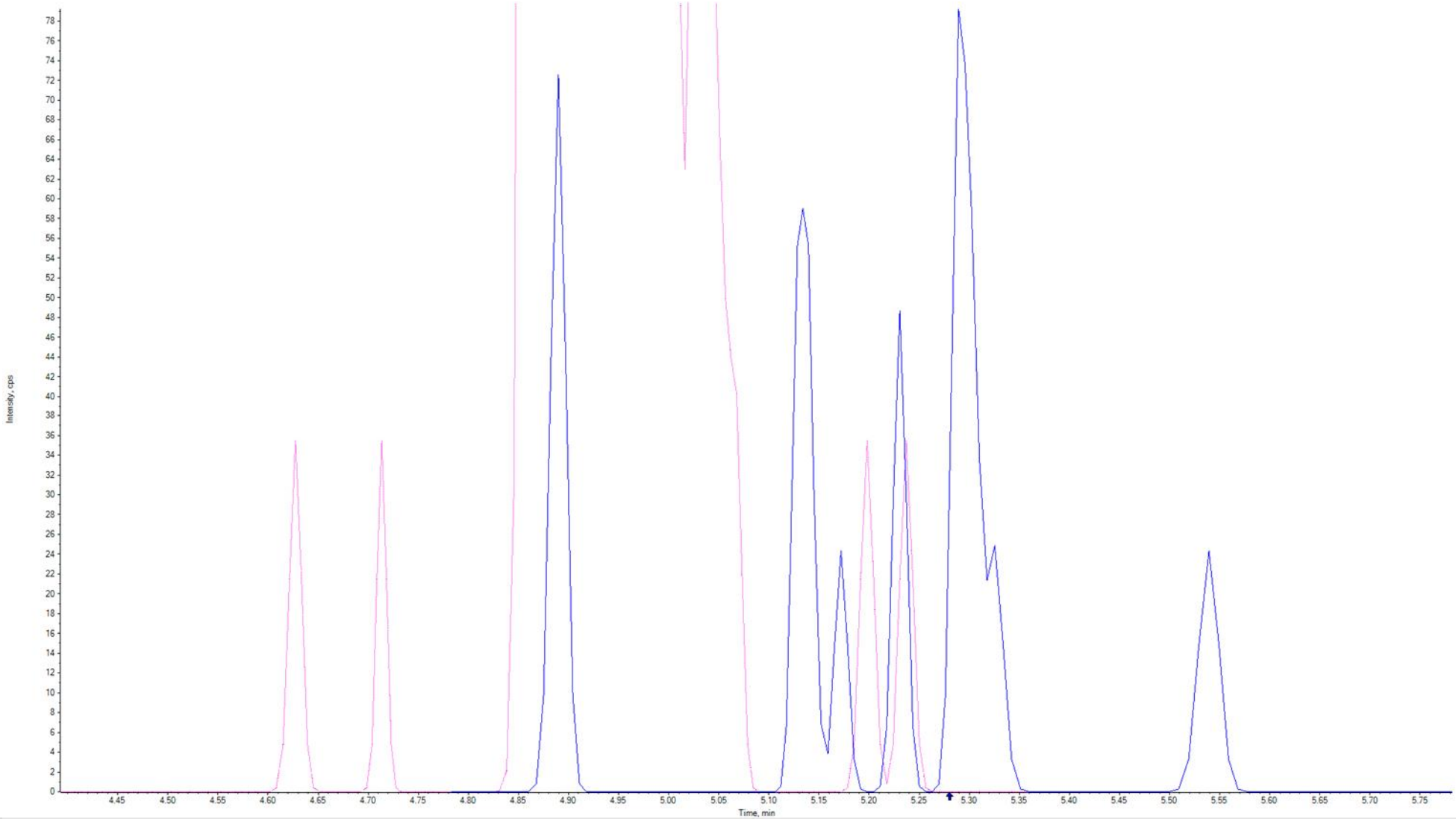

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PFTeDA
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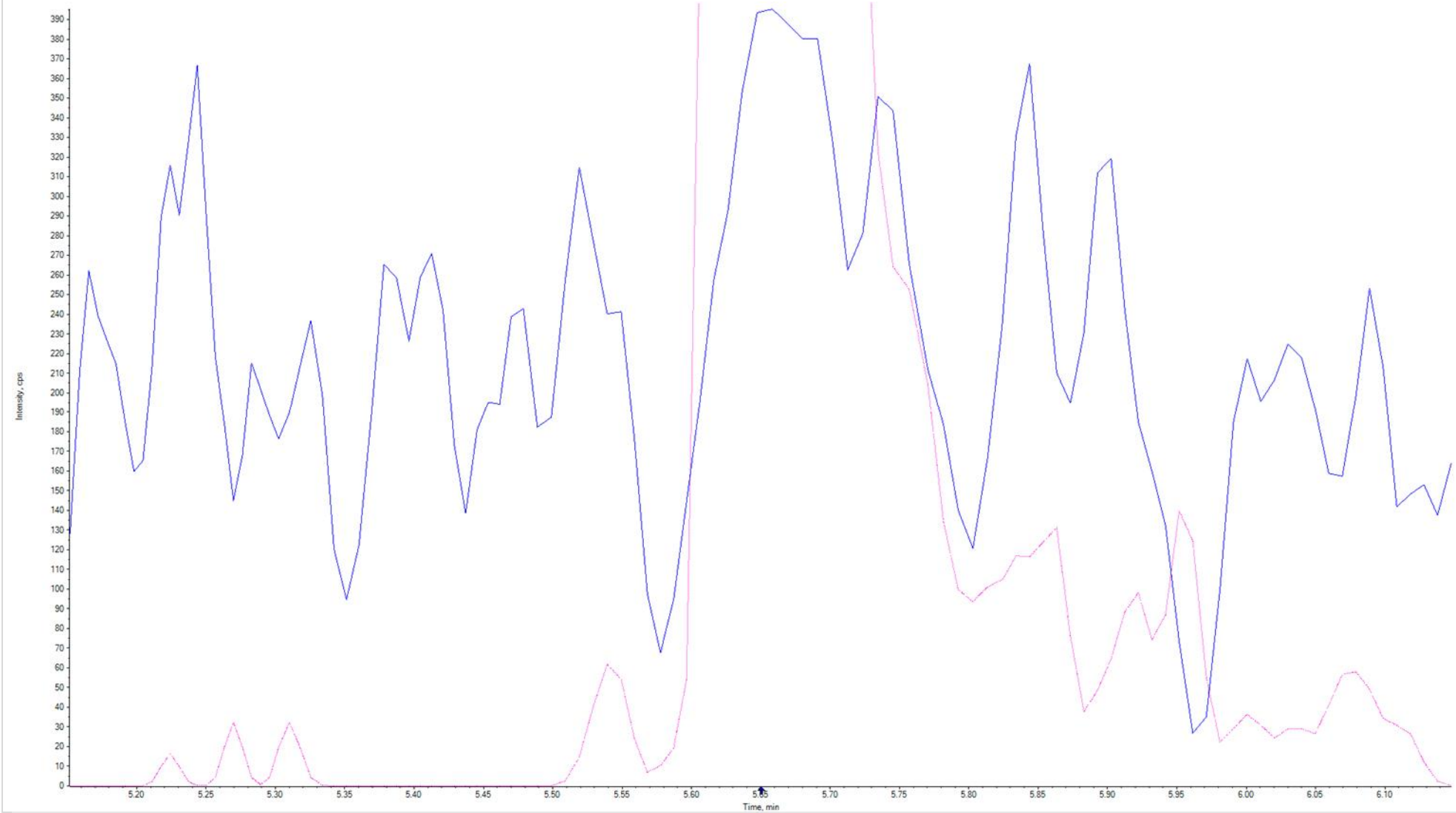

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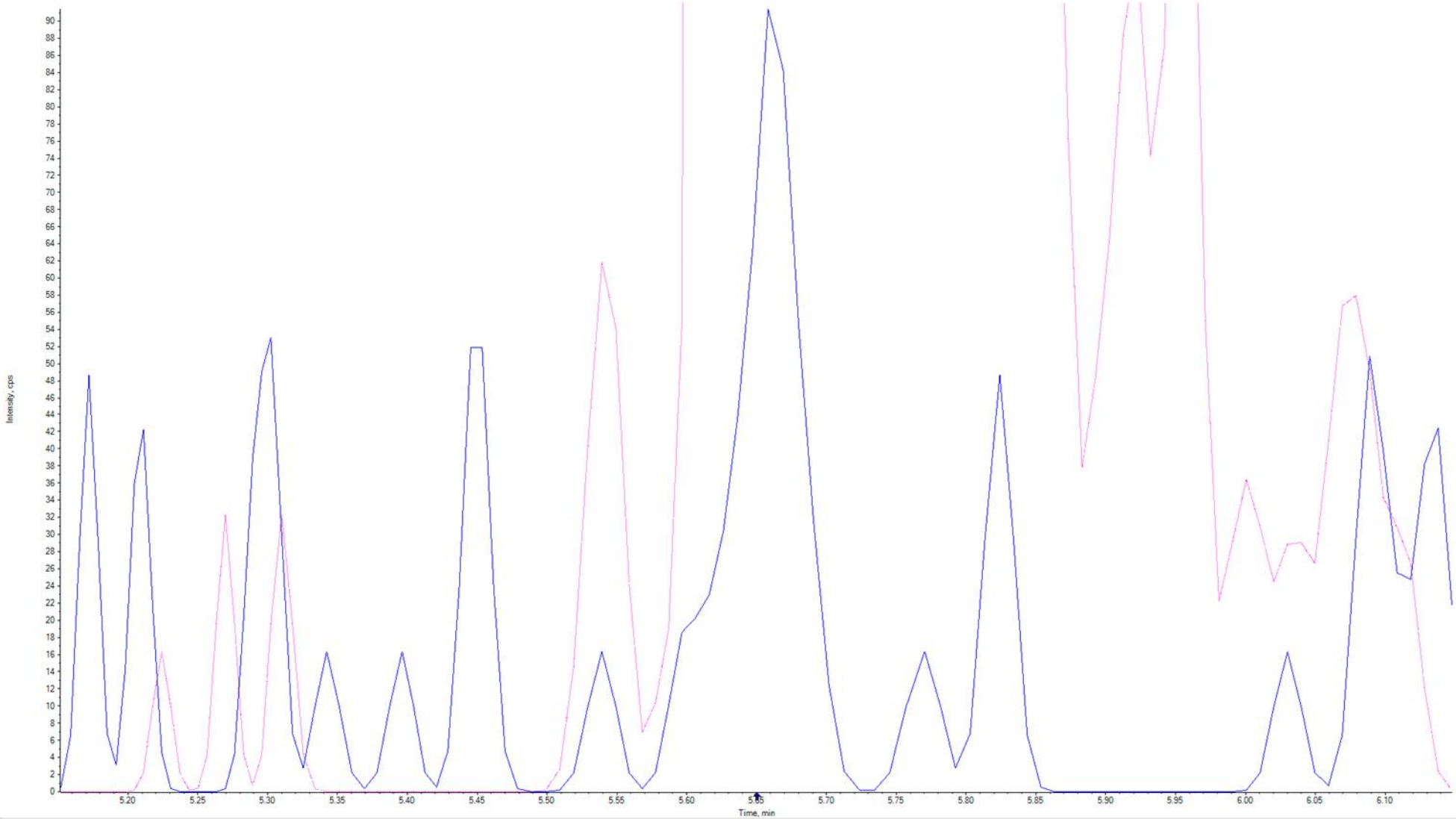

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PFBS
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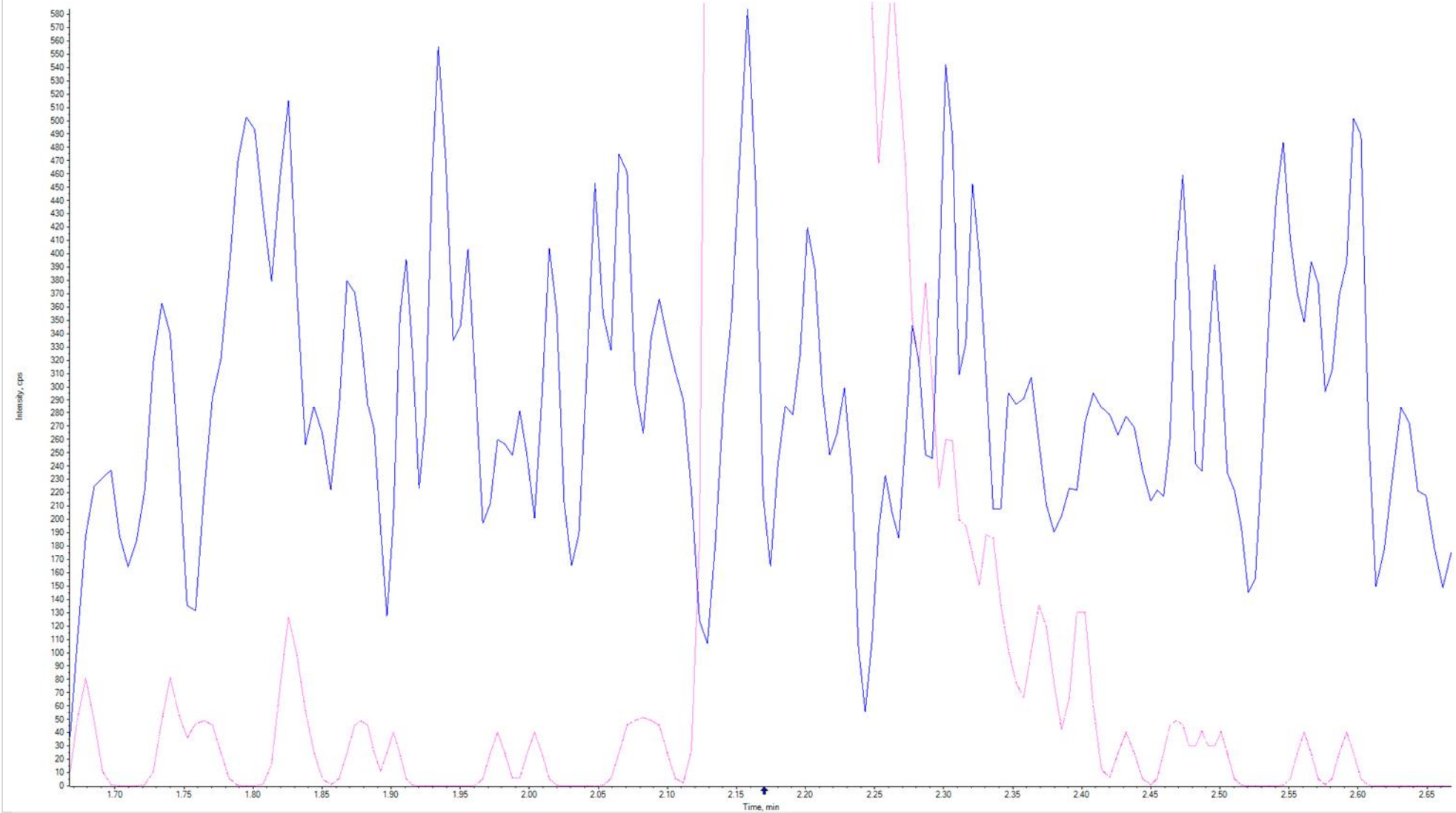

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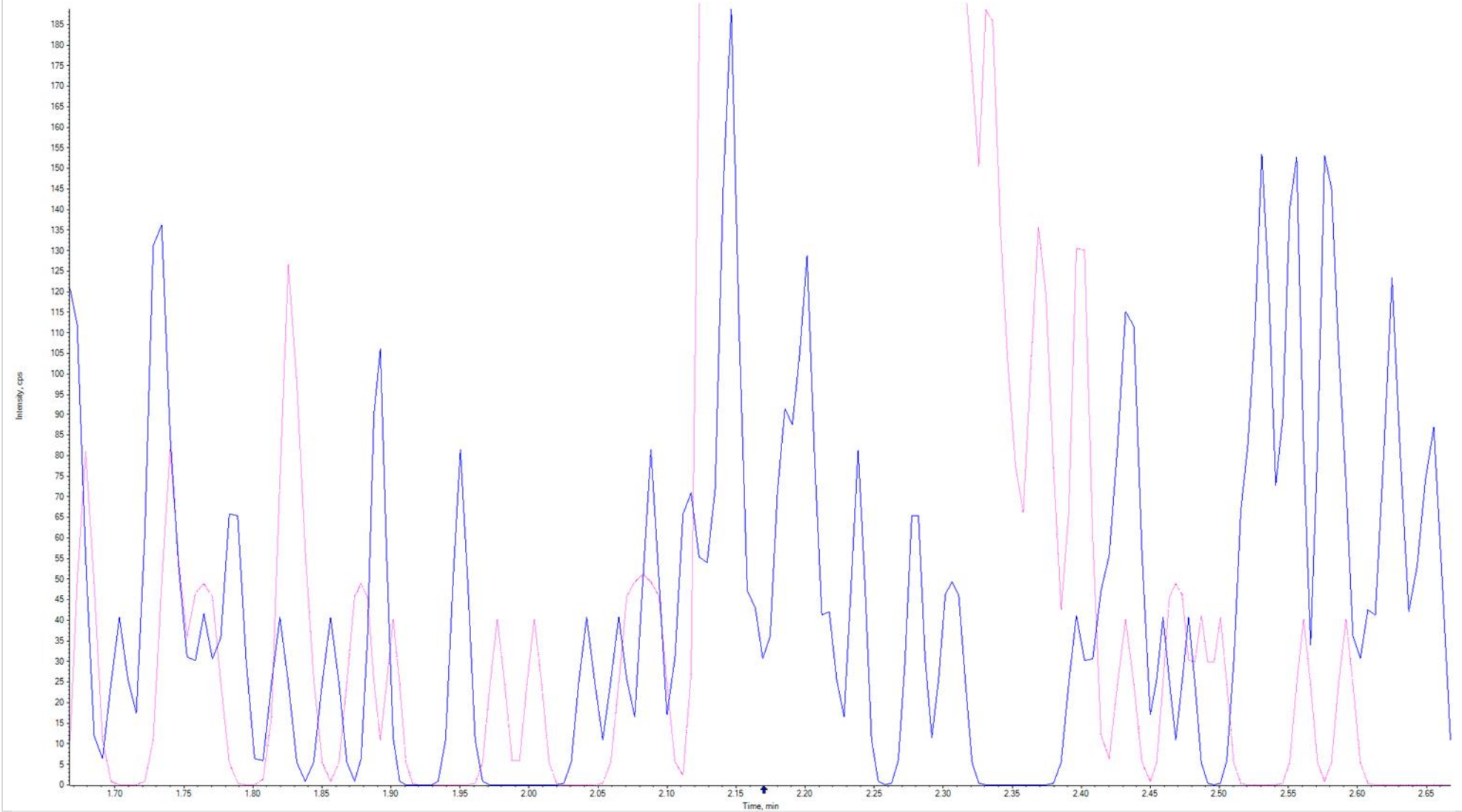

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PFPeS
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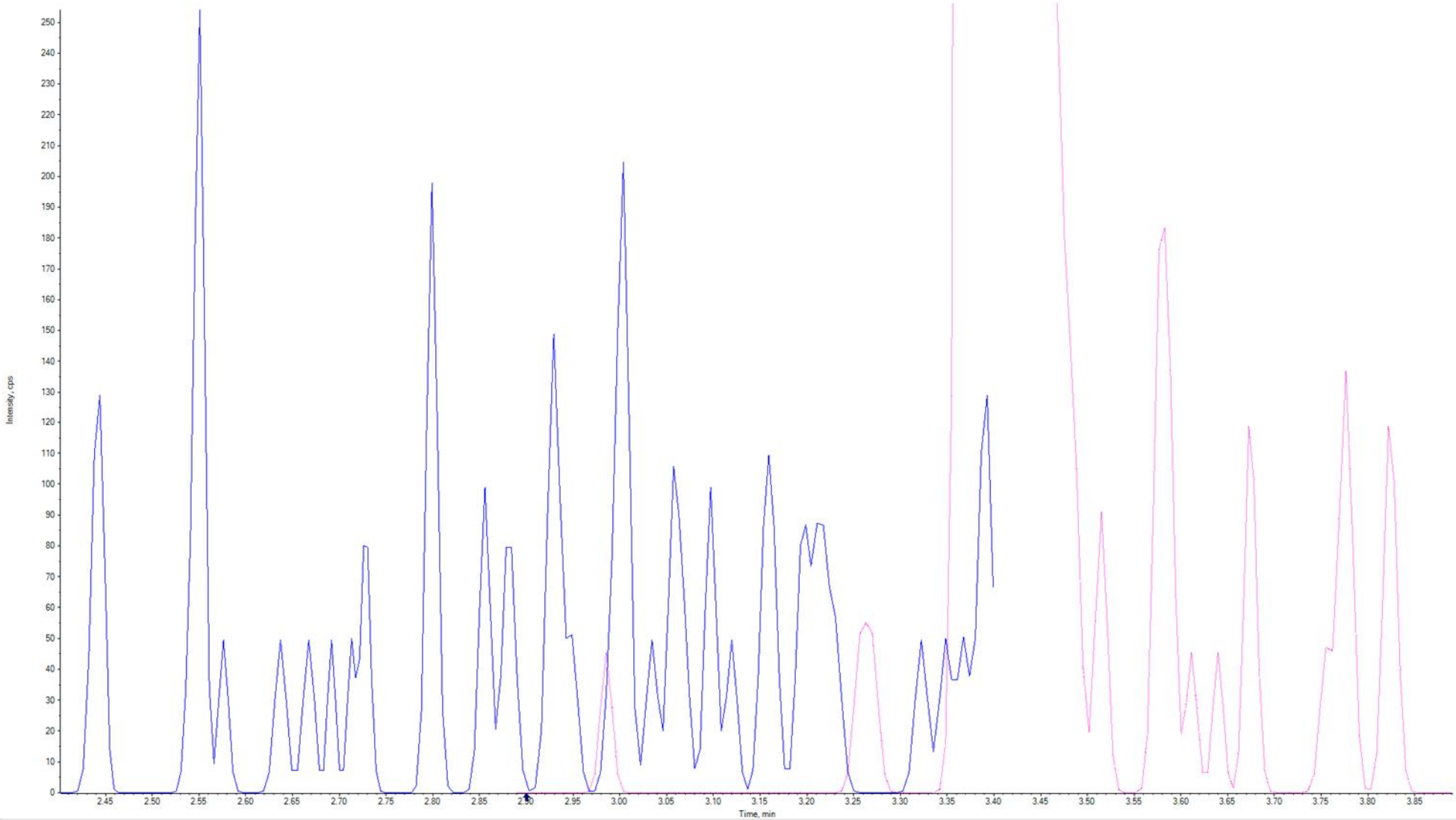

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PFPeS_2
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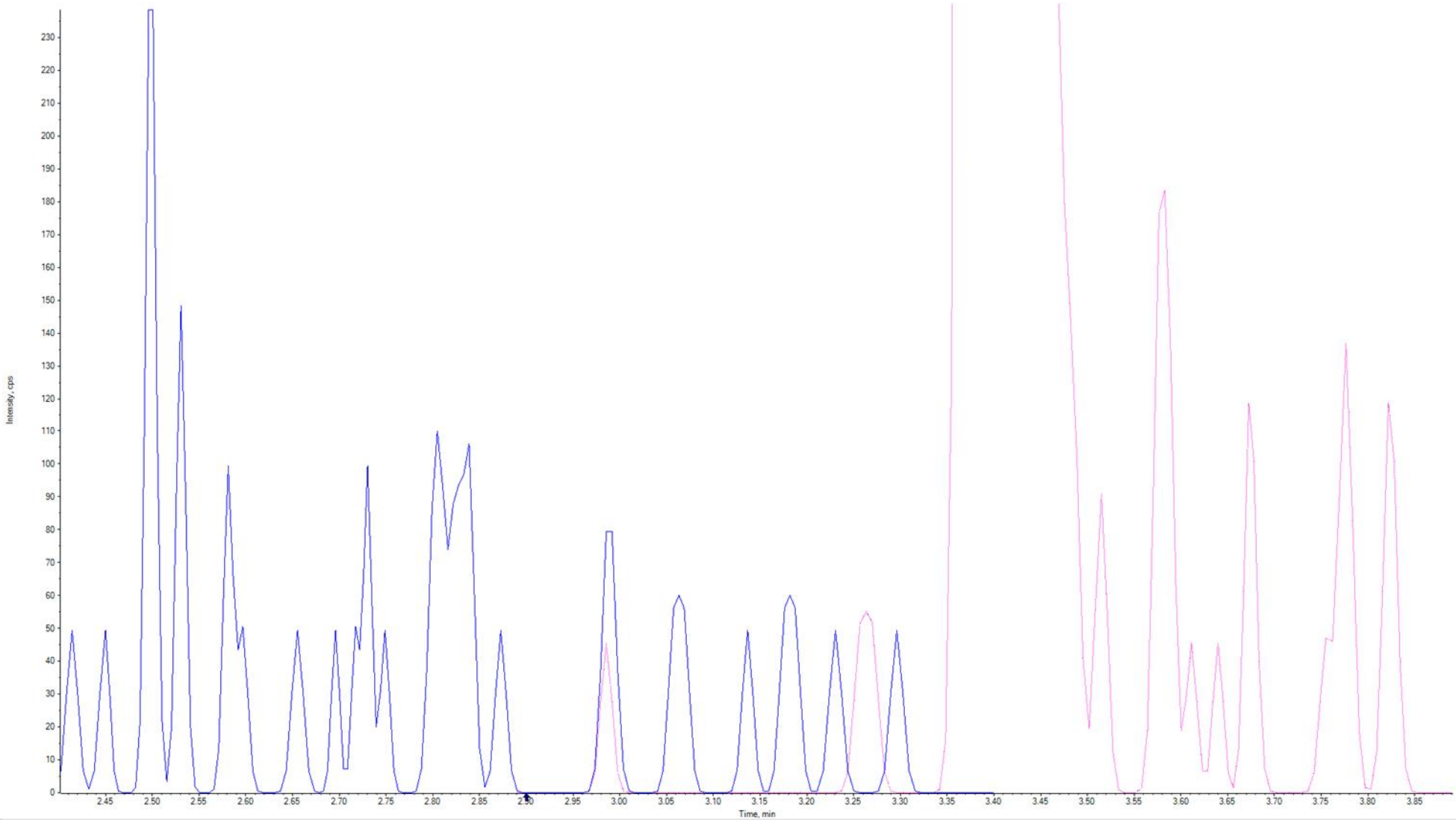

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PFHxS
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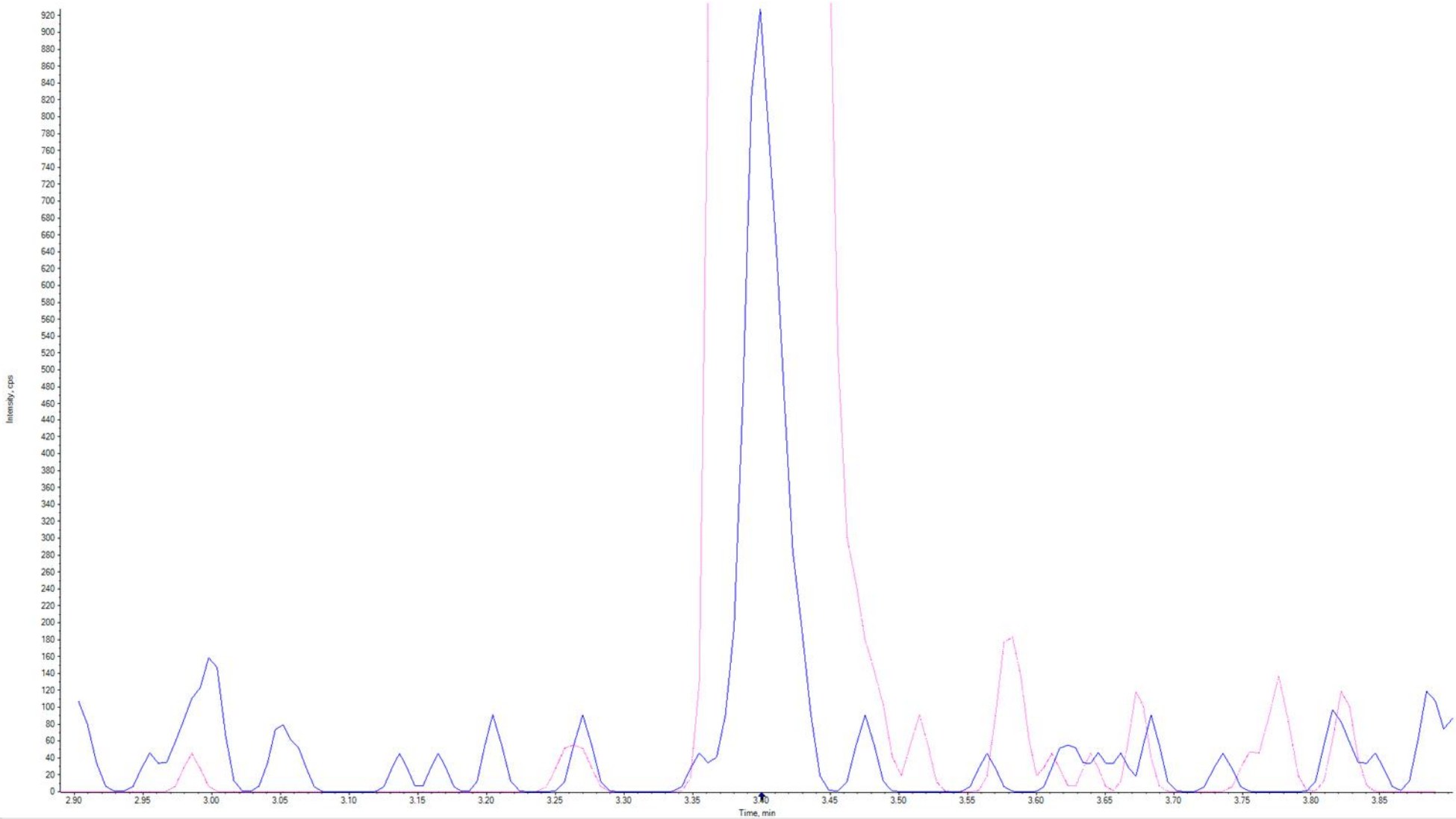

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PFHxS_2
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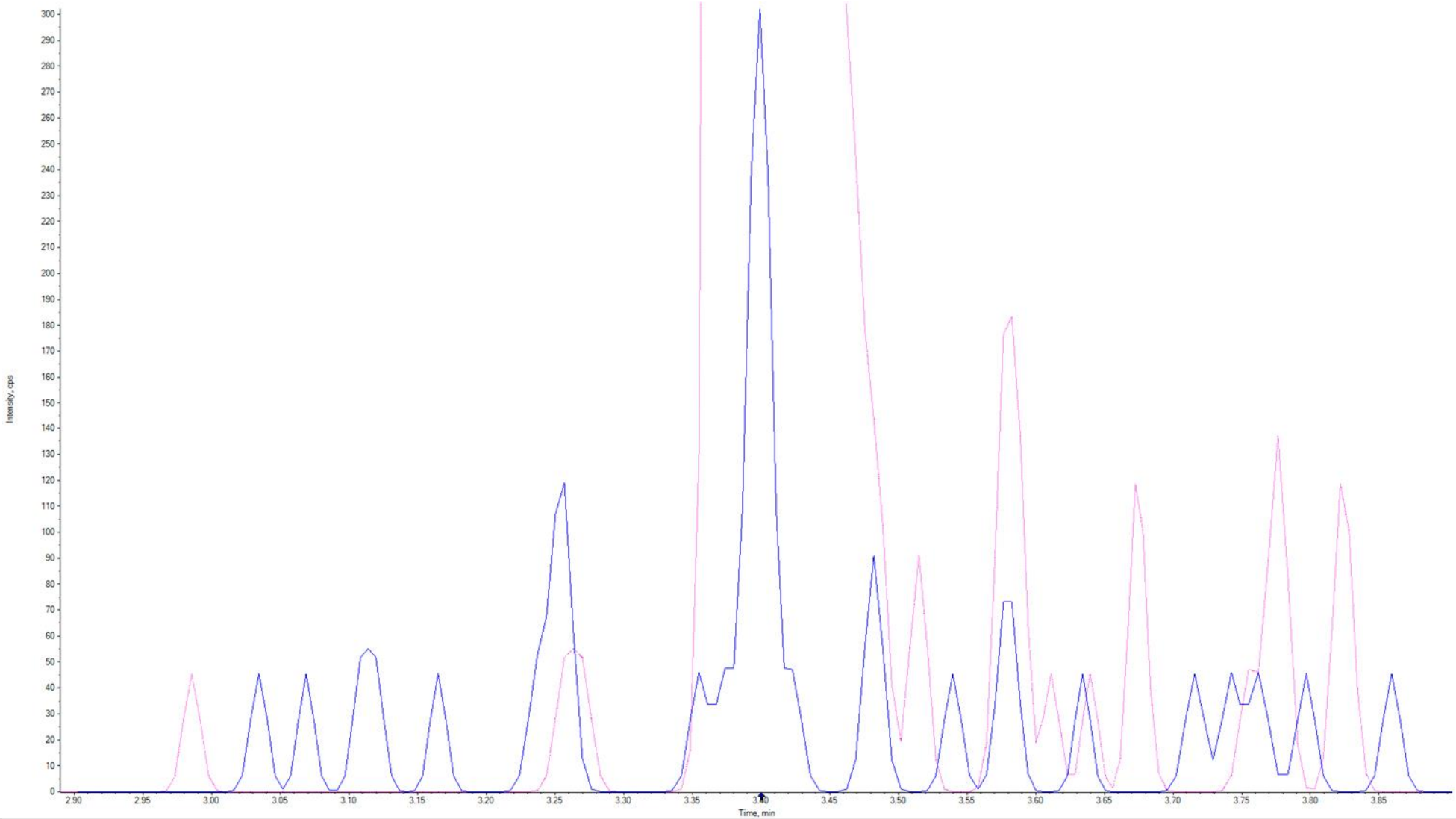

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PFHpS
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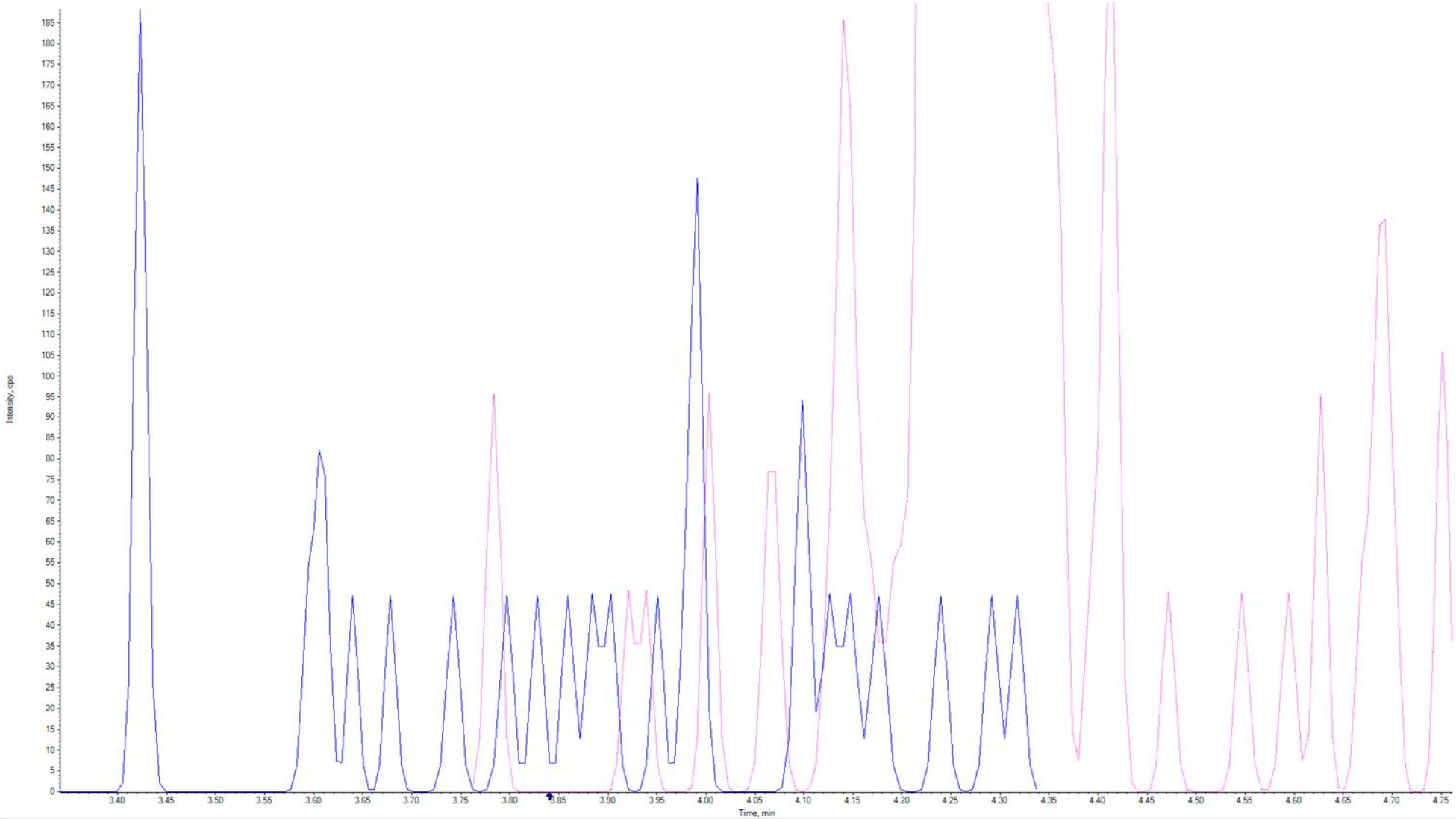

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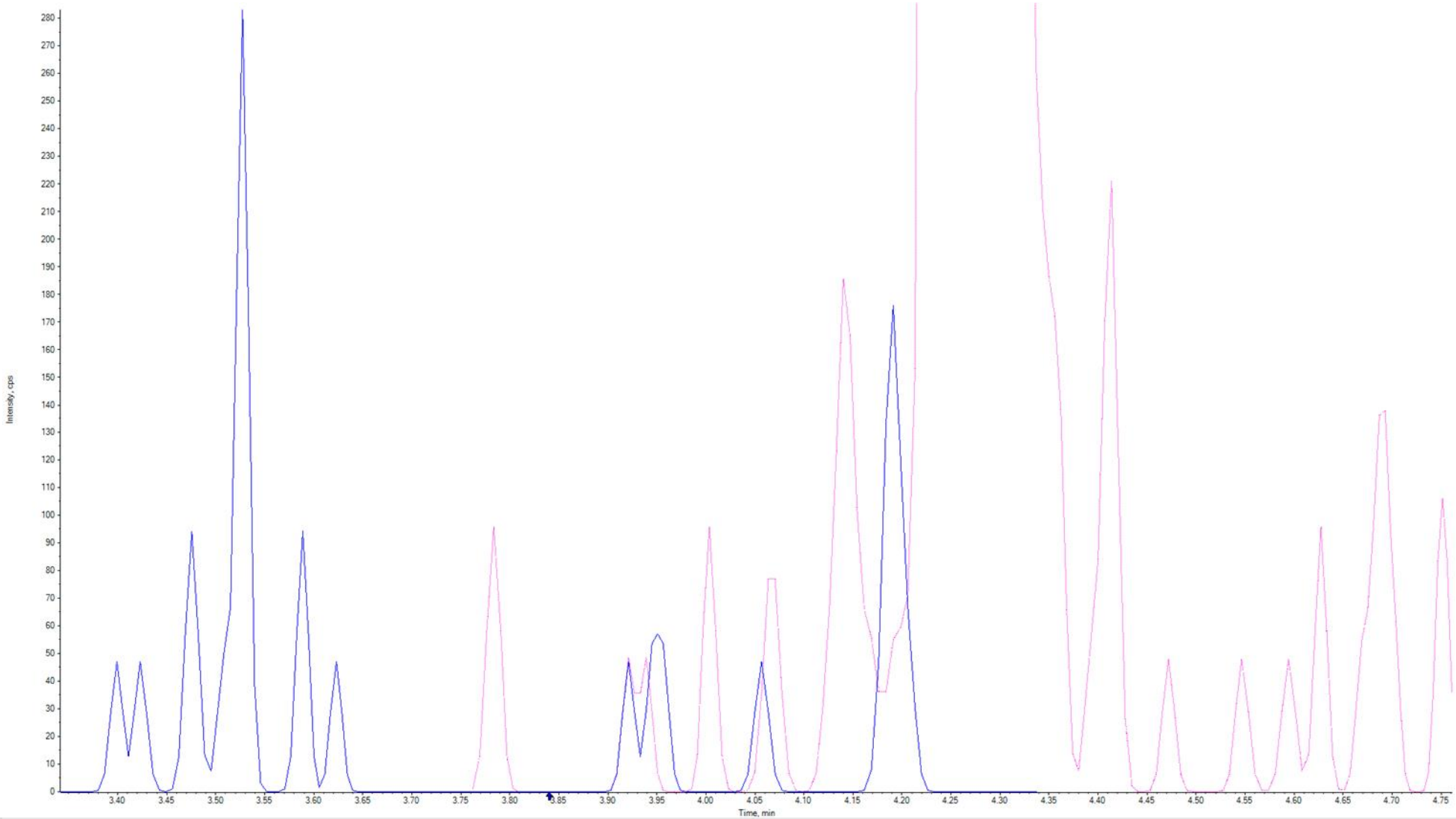
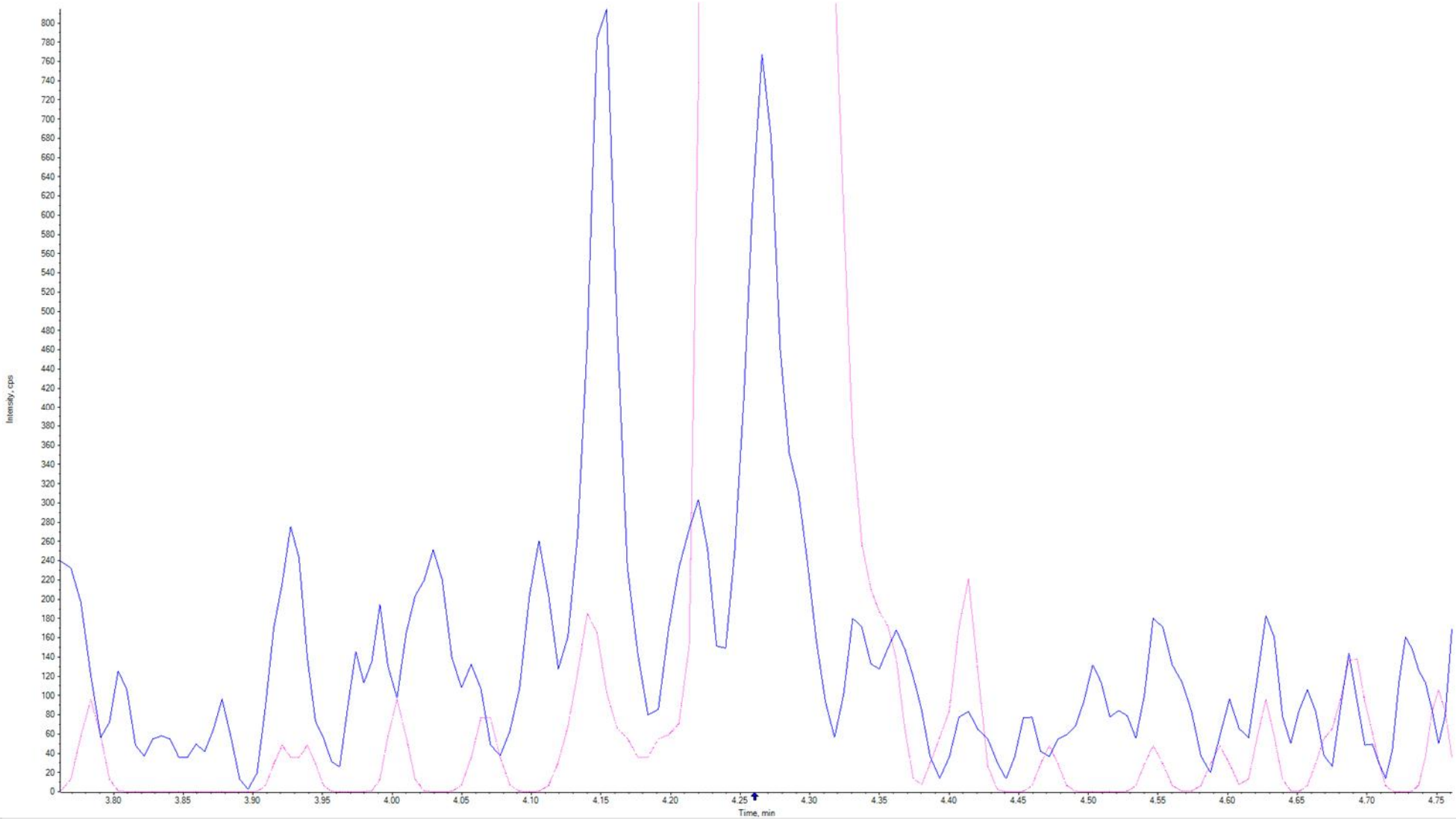
PFHpS_2
Sample: WG1997639-3,INSTBLANK S/N:N/A Points Across peak:N/A



PFOS
Sample: WG1997639-3,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_17.wiff2_3
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PFOS_2
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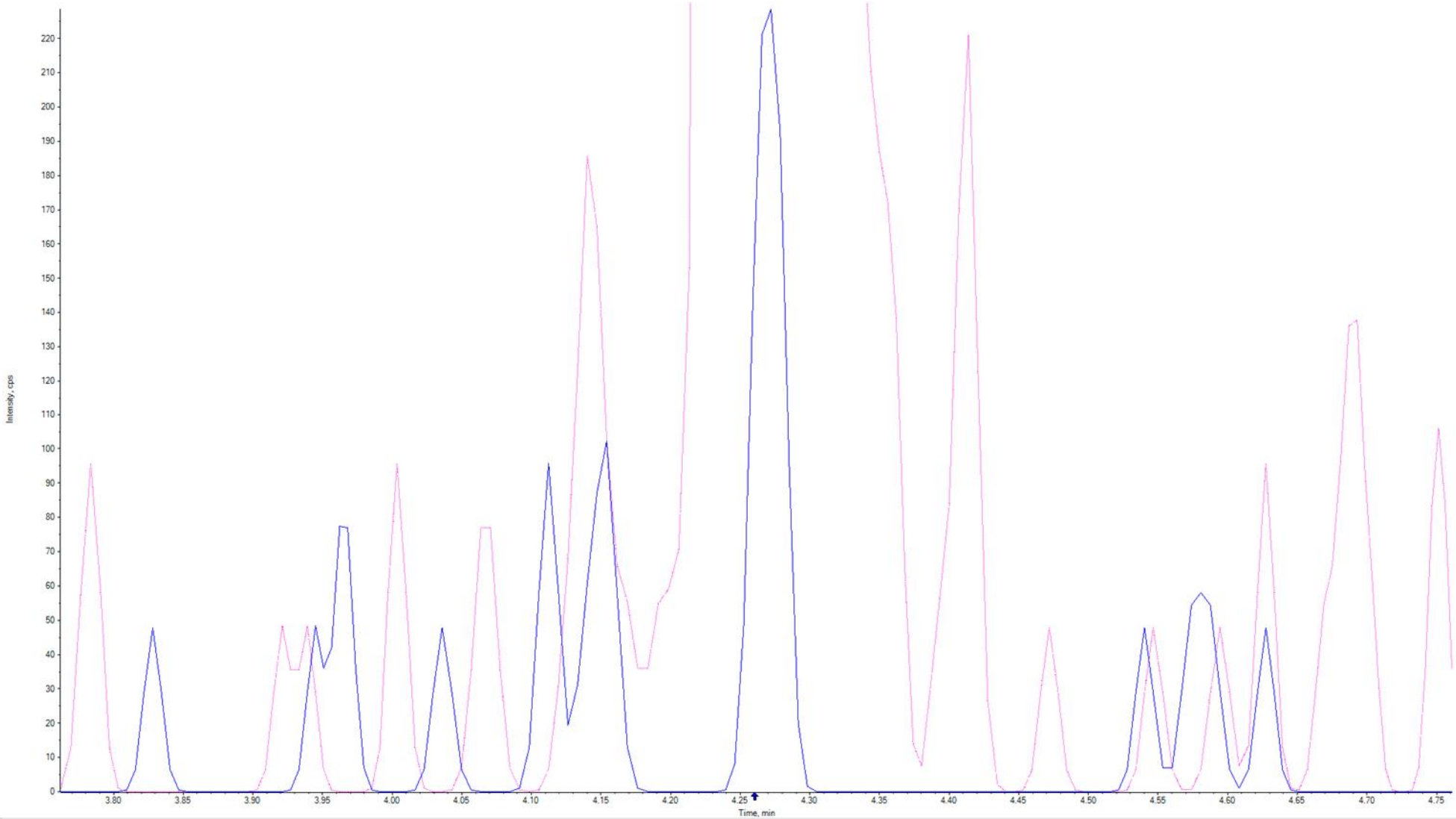

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PFNS
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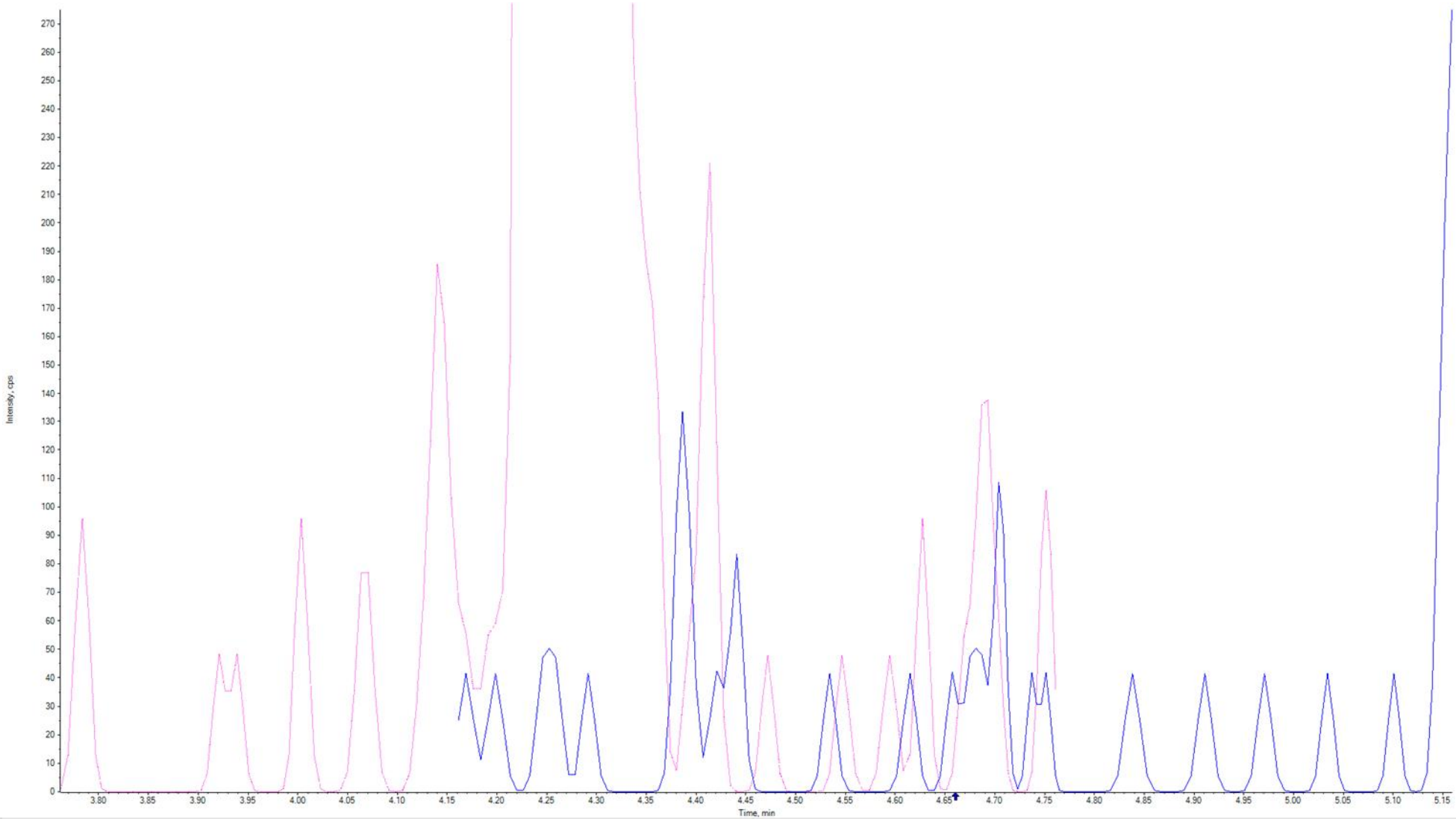

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PFNS_2
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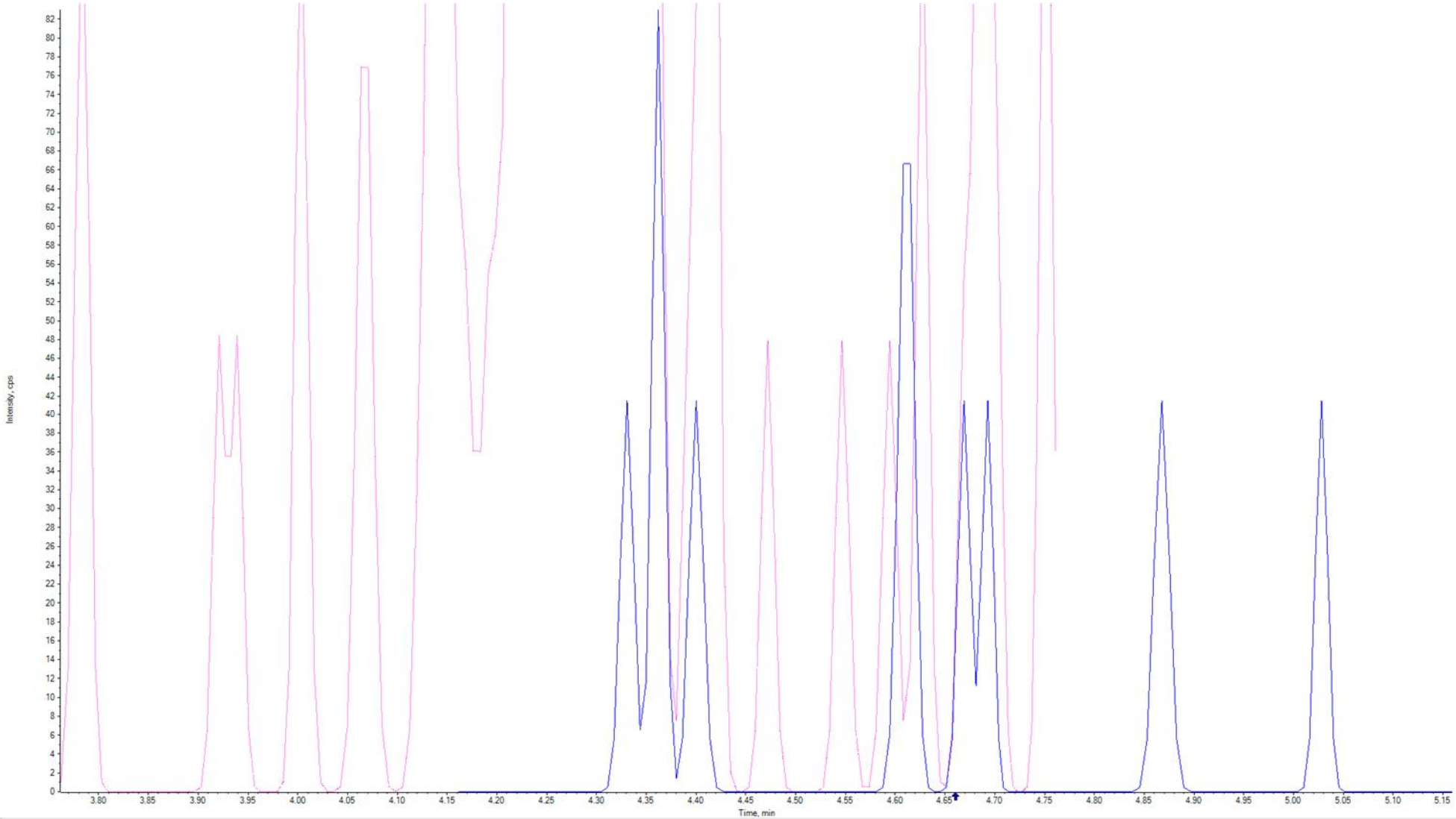

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PFDS
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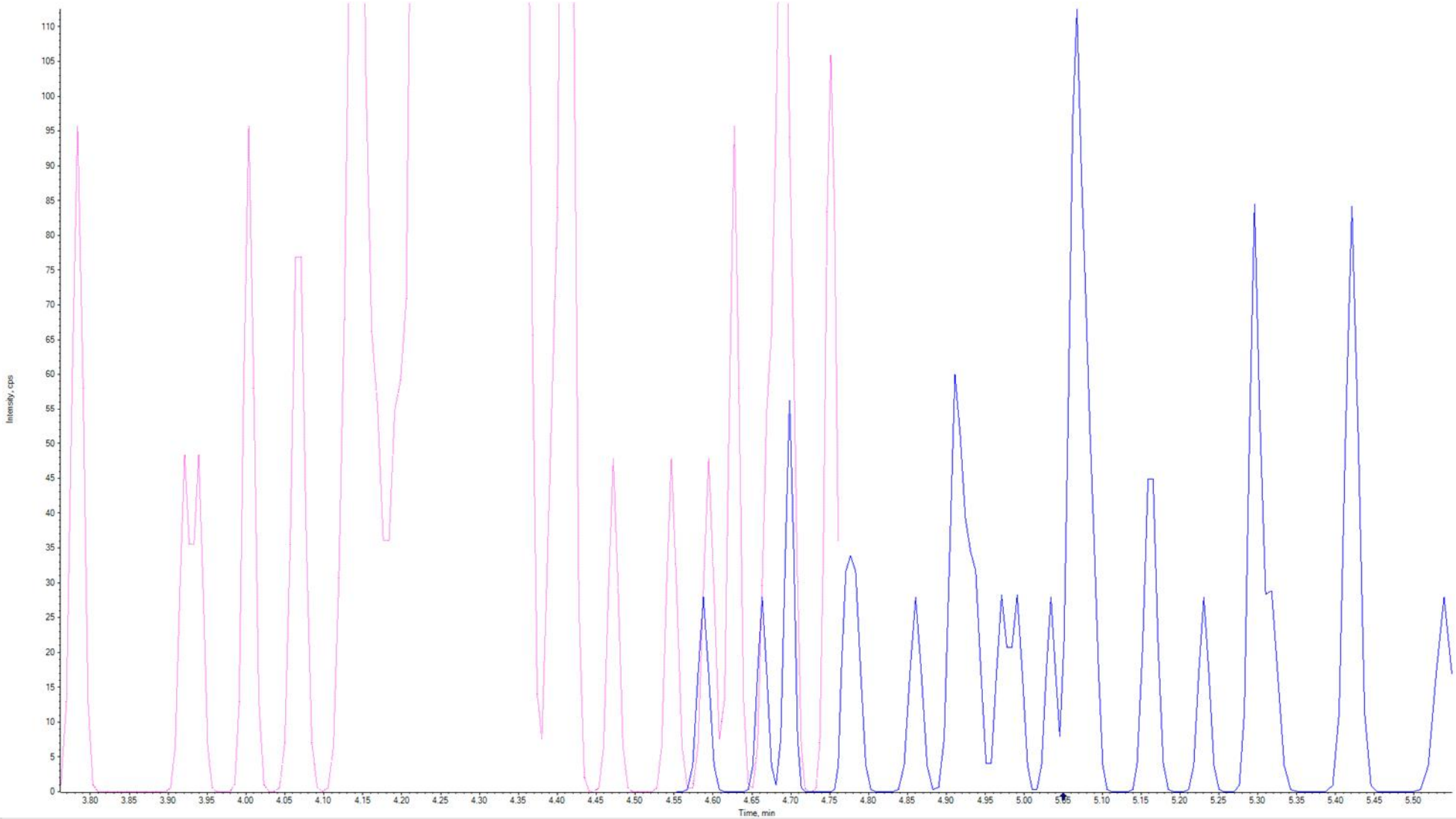

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFDS_2
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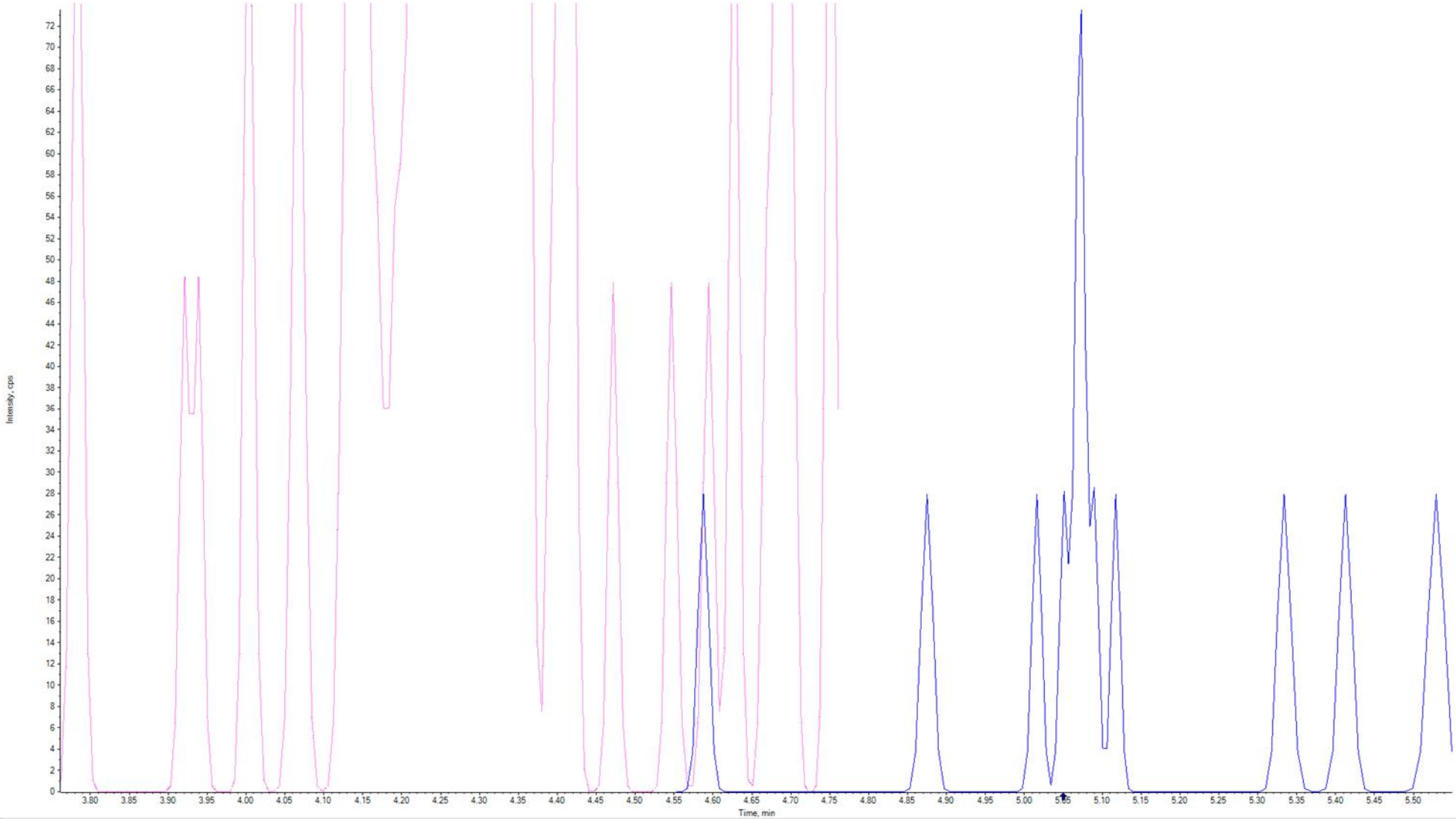

PFDoS
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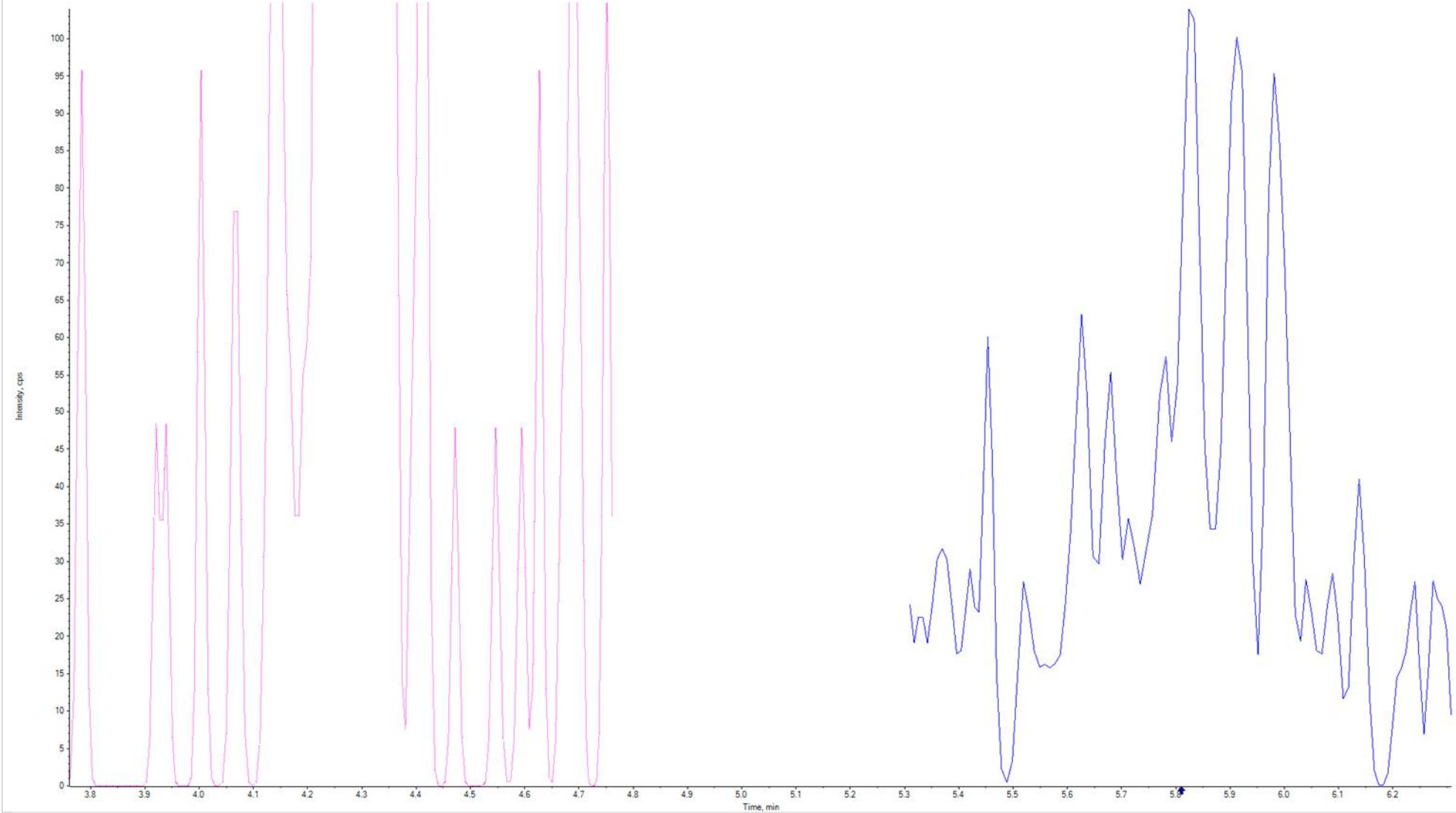

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFDoS_2
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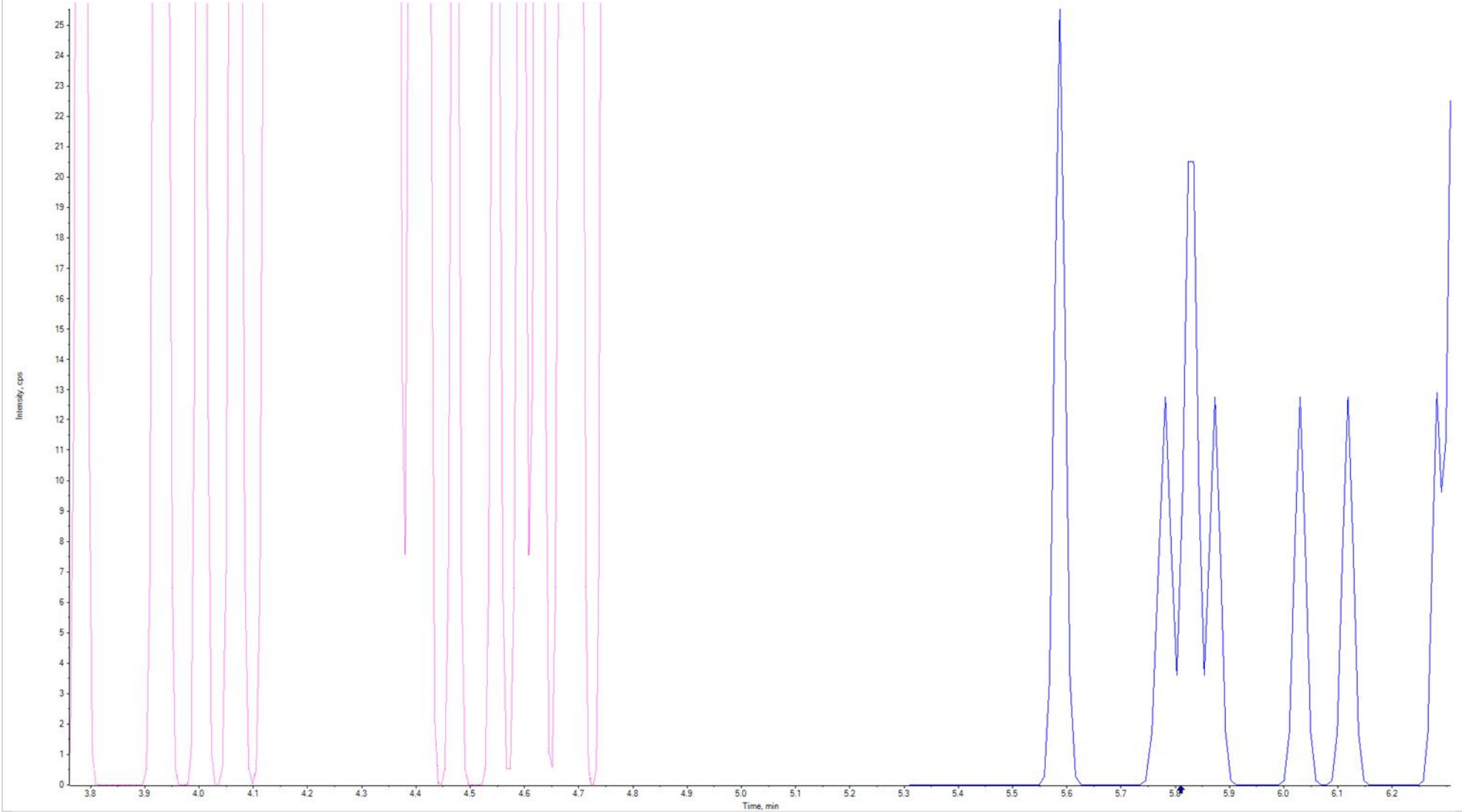

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Alpha Analytical LLC
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Last Altered: 11/15/2024 3:30:10 PM
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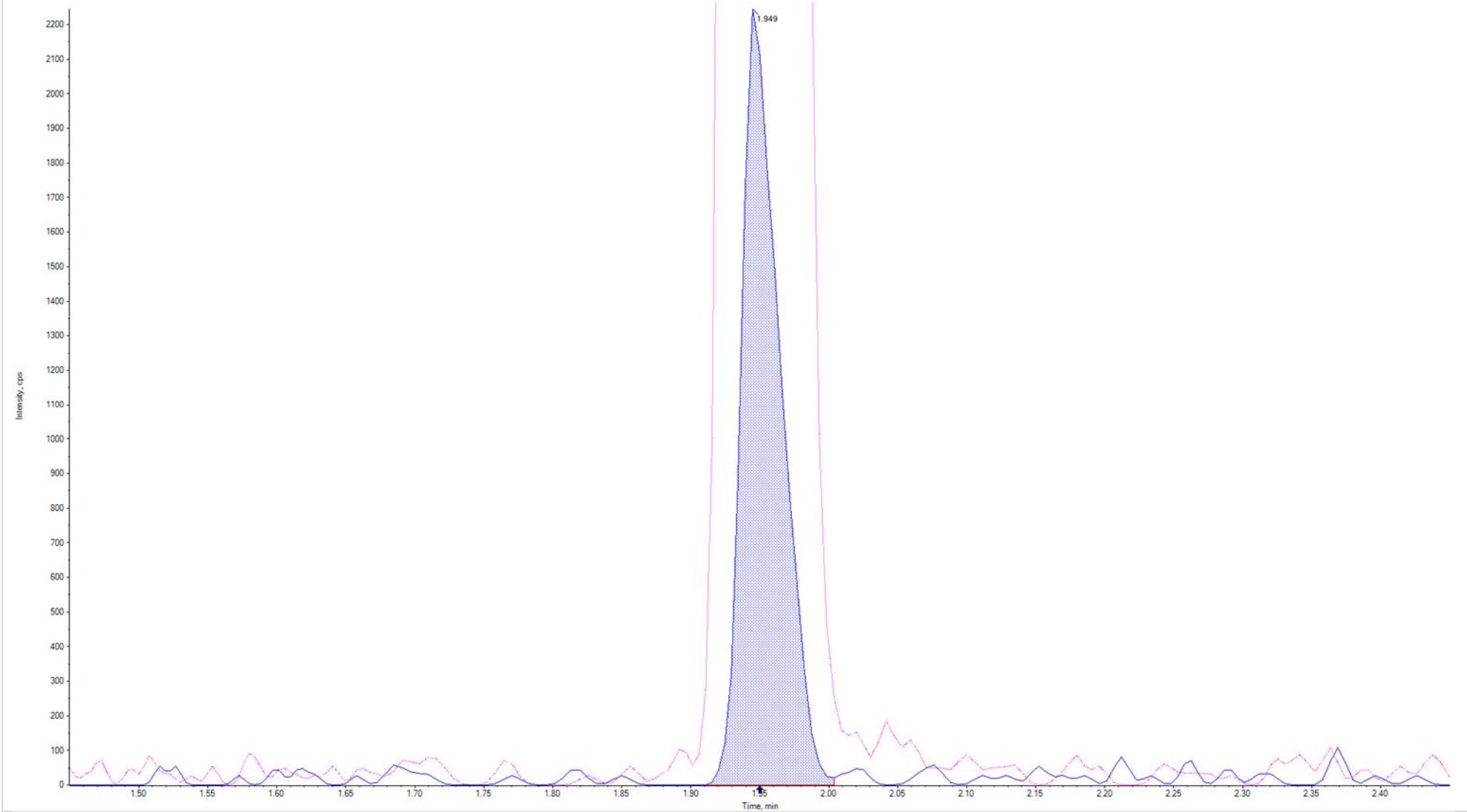
4:2FTS
Sample: WG1997639-3,INSTBLANK S/N:84.4 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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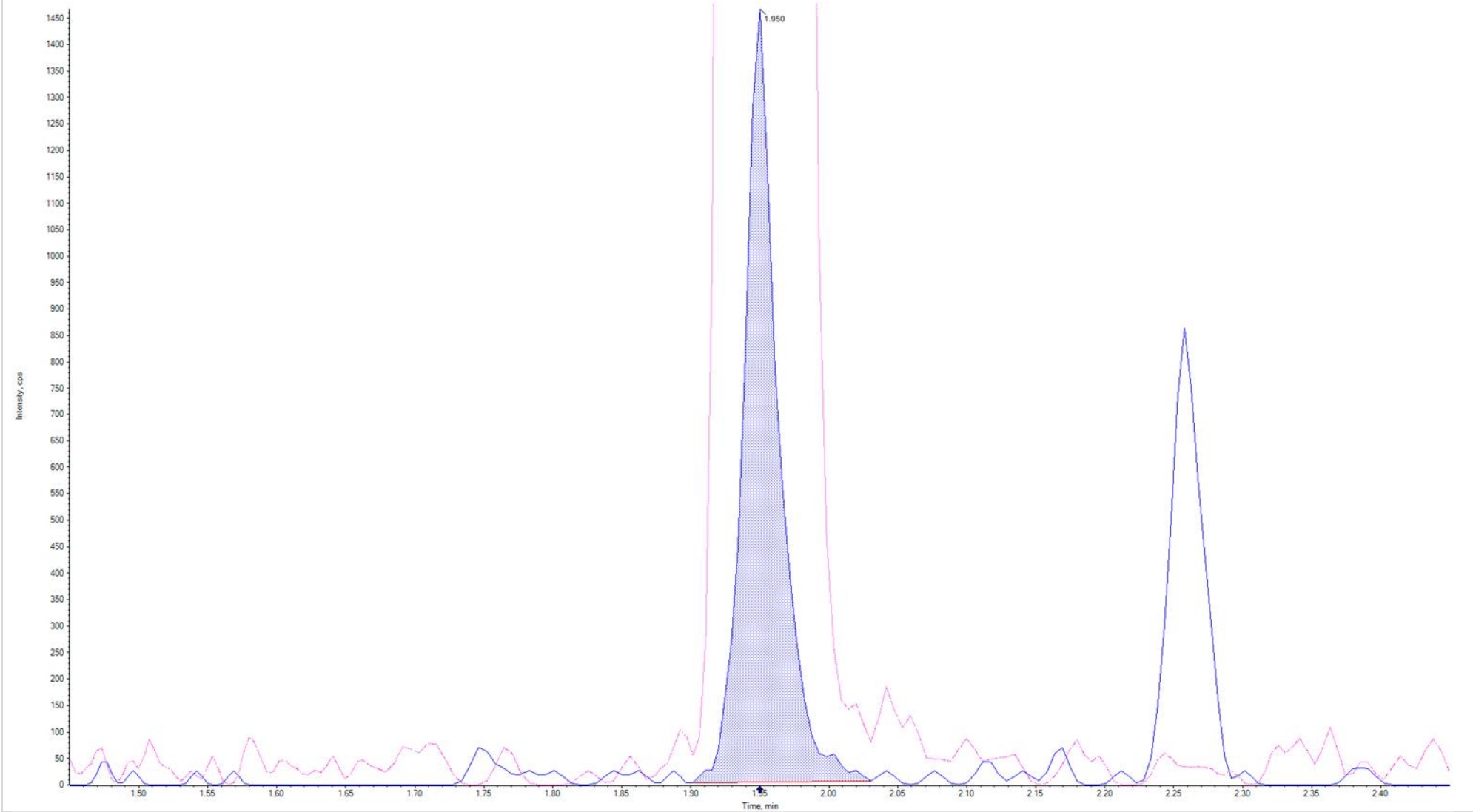
4:2FTS_2
Sample: WG1997639-3,INSTBLANK S/N:55.0 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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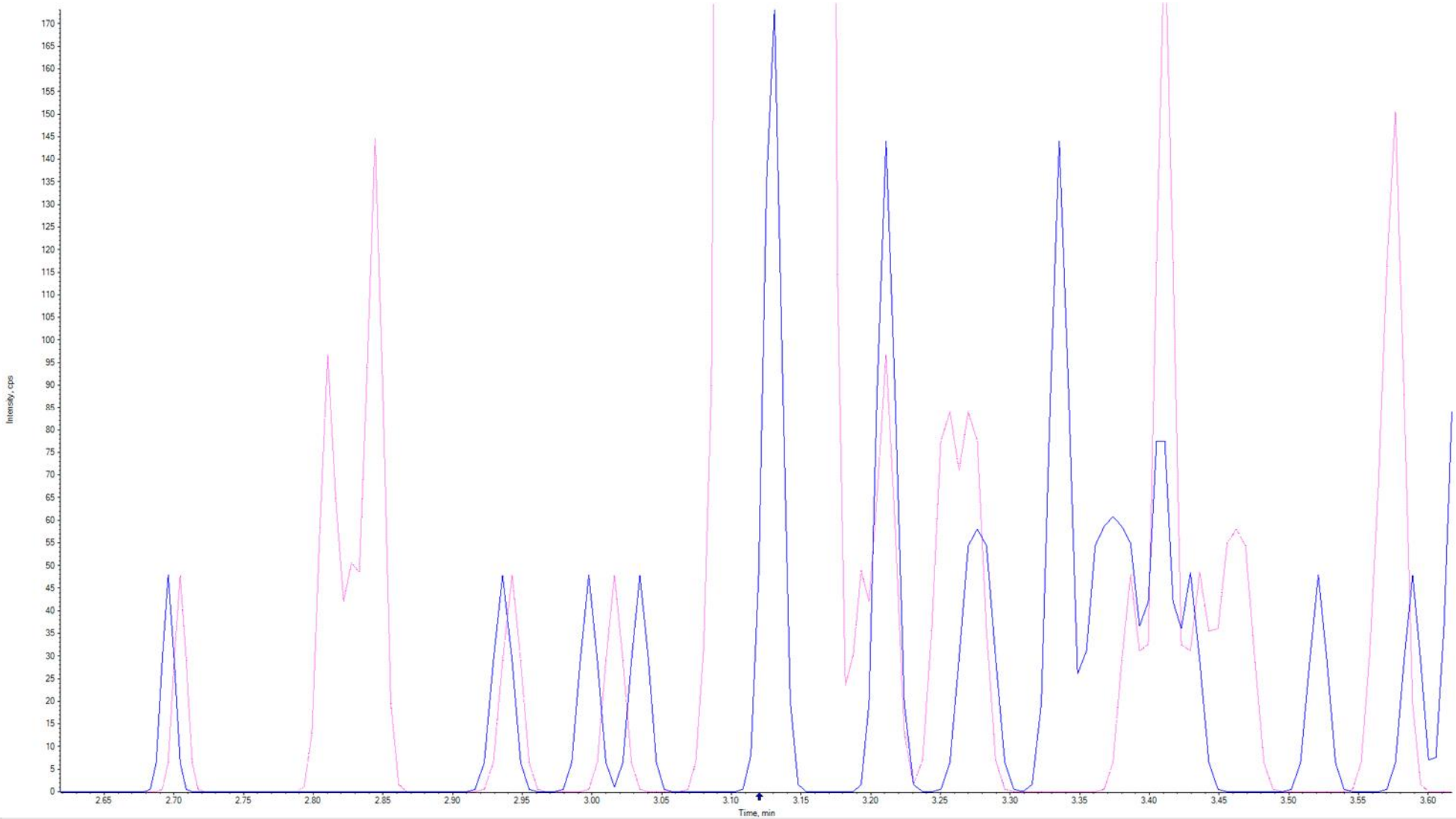
Last Altered: 11/15/2024 3:30:10 PM
Generated: 11/15/2024 2:59:39 PM

6:2FTS
Sample: WG1997639-3,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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6:2FTS_2
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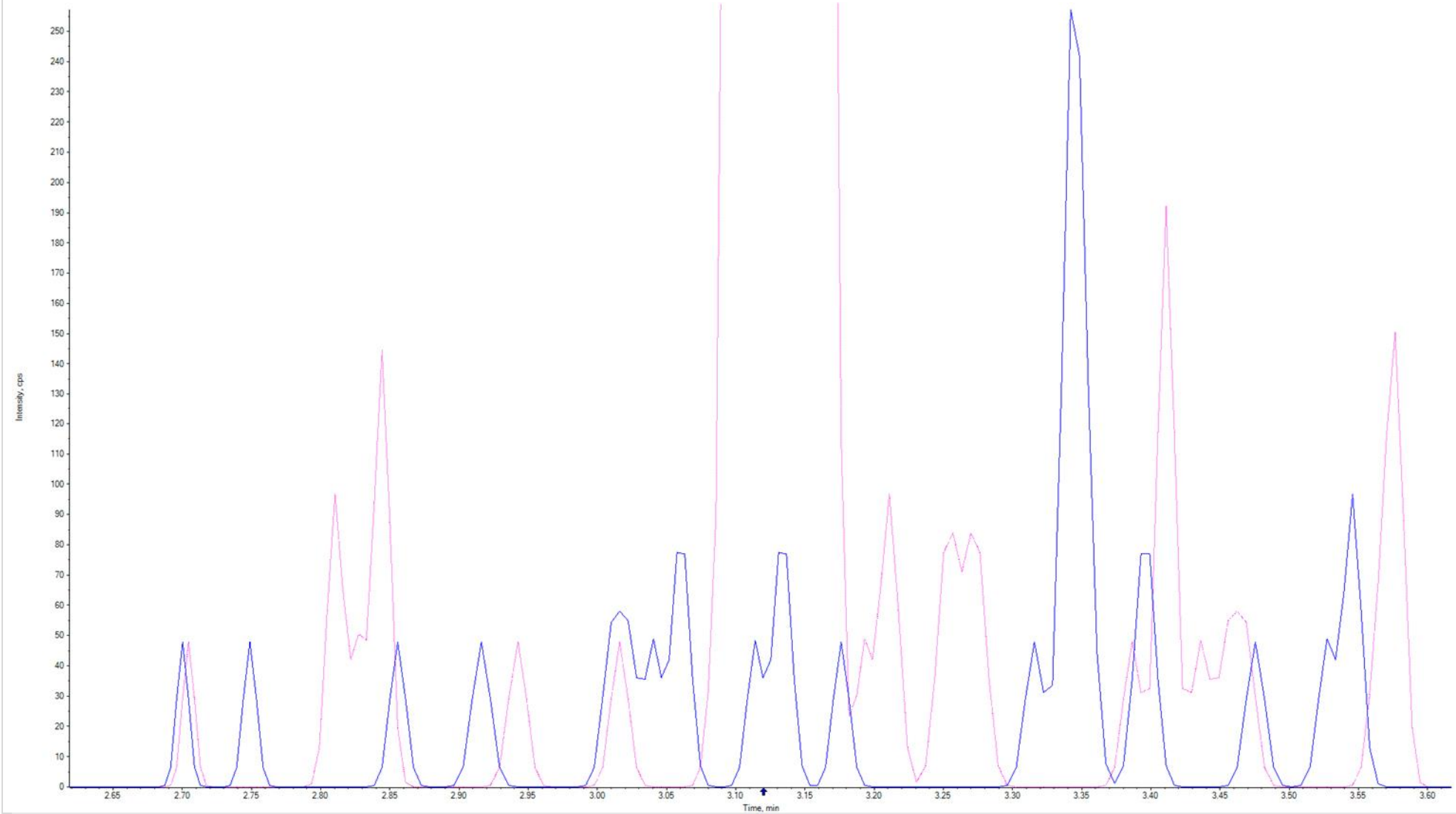

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8:2FTS
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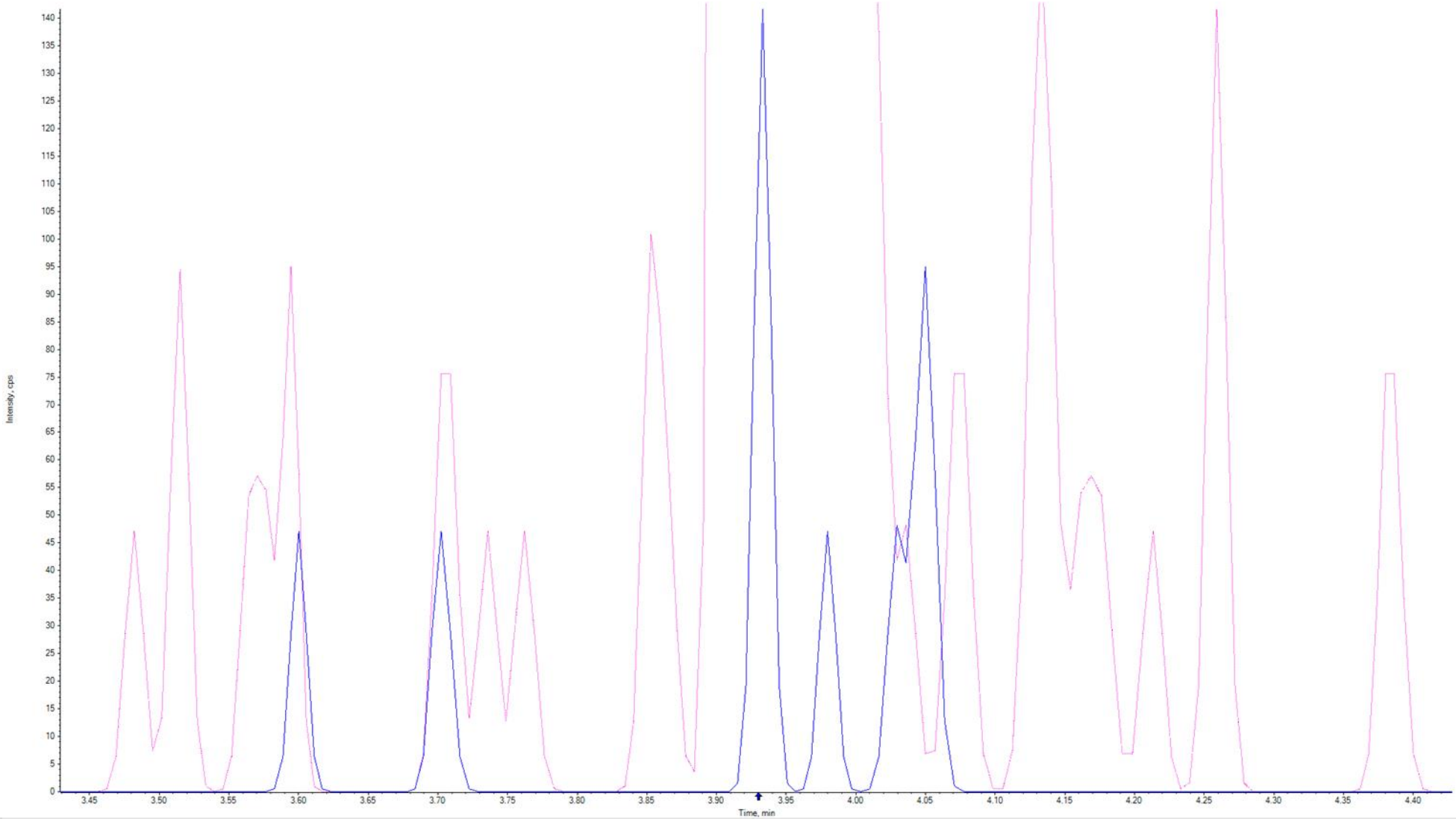

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8:2FTS_2
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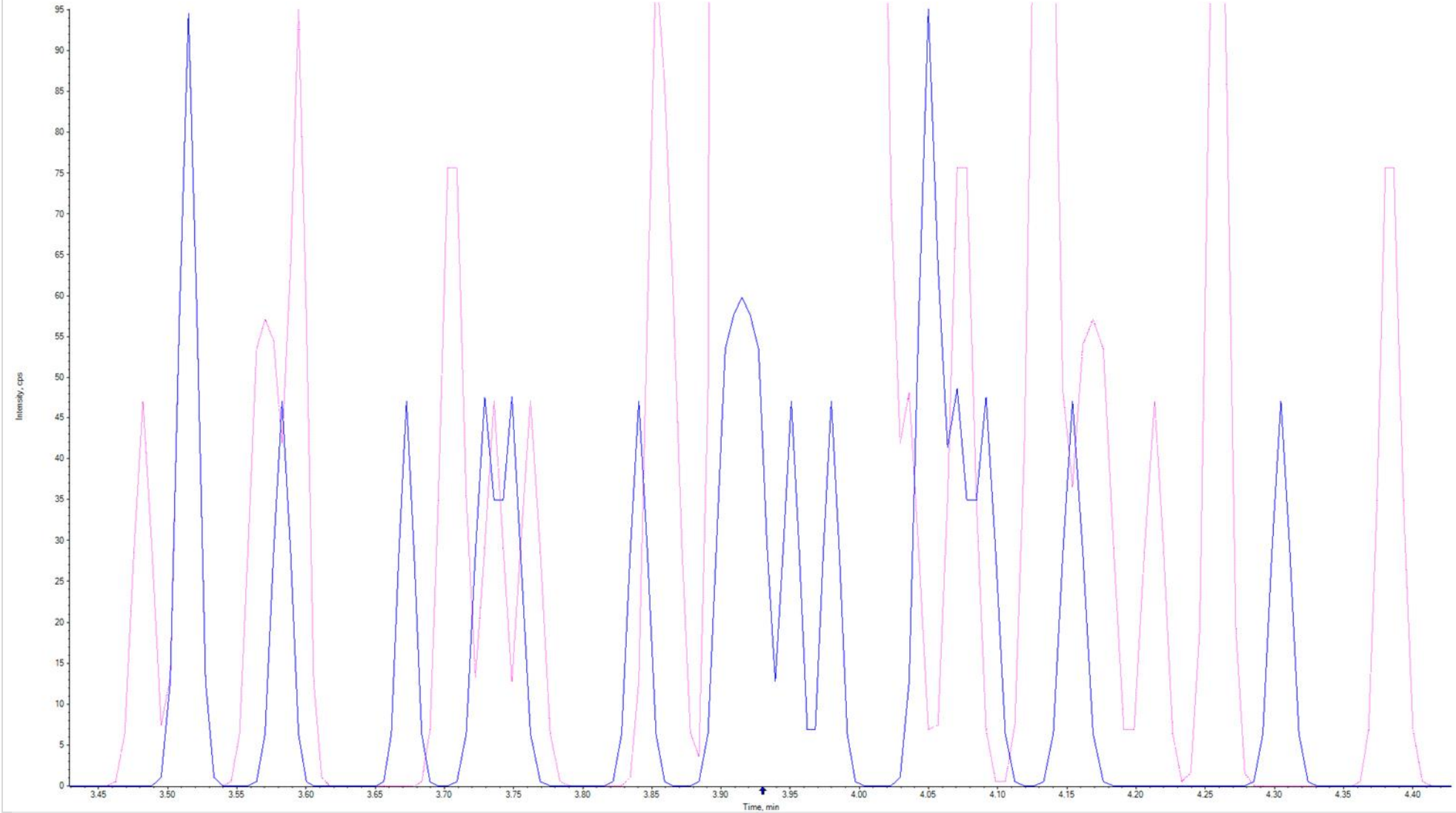

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PFOSA
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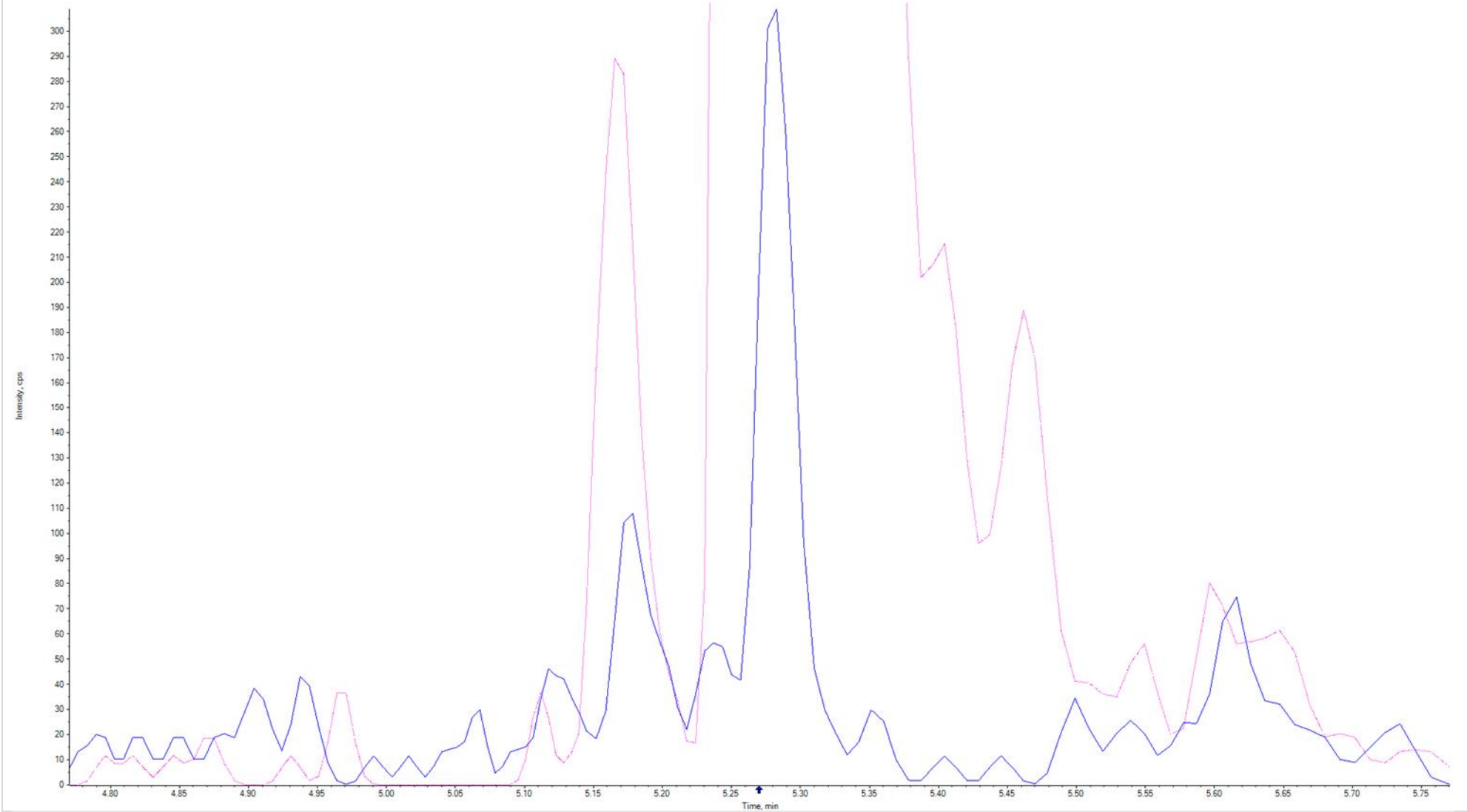

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PFOSA_2
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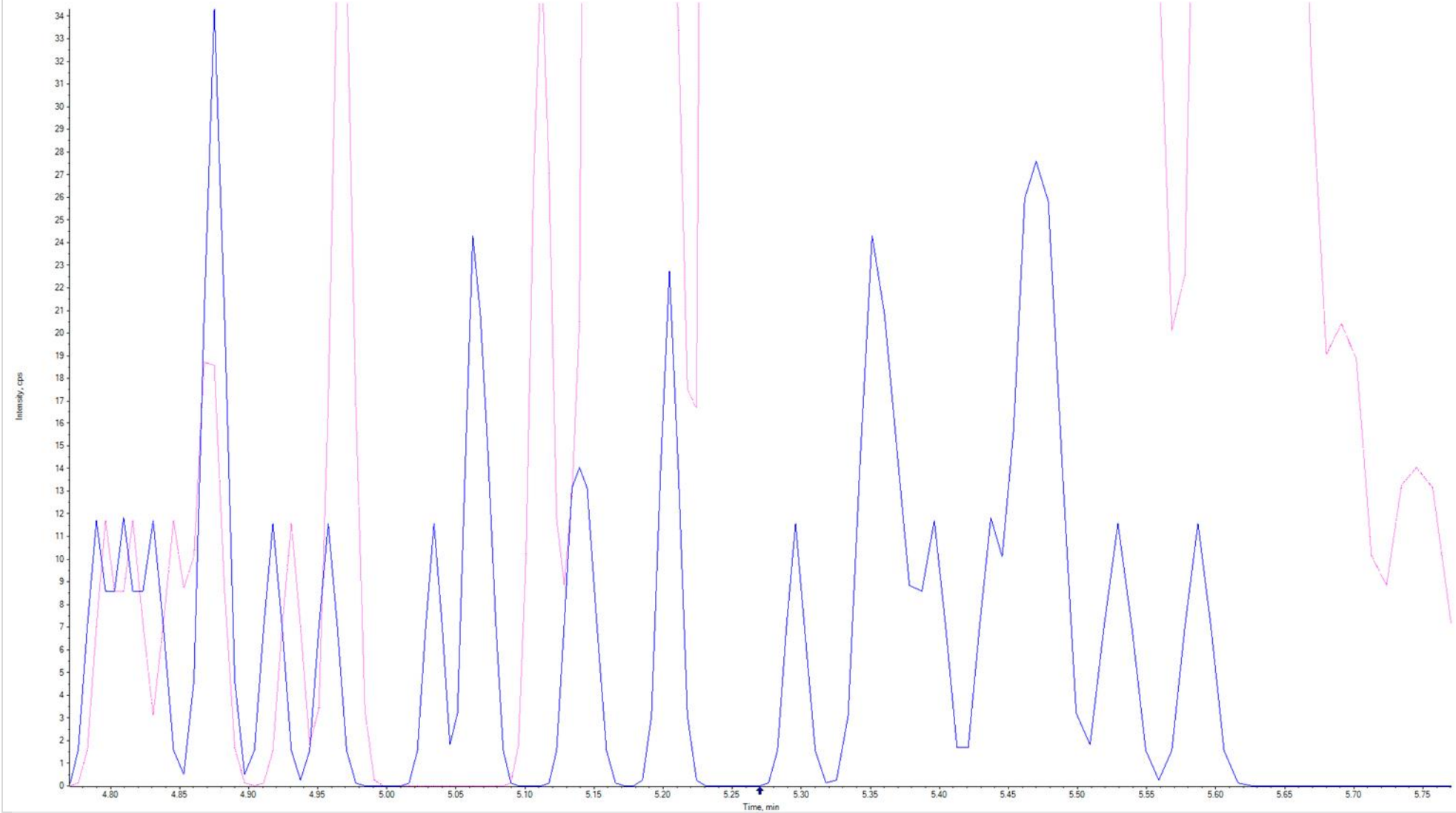

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NMeFOSA
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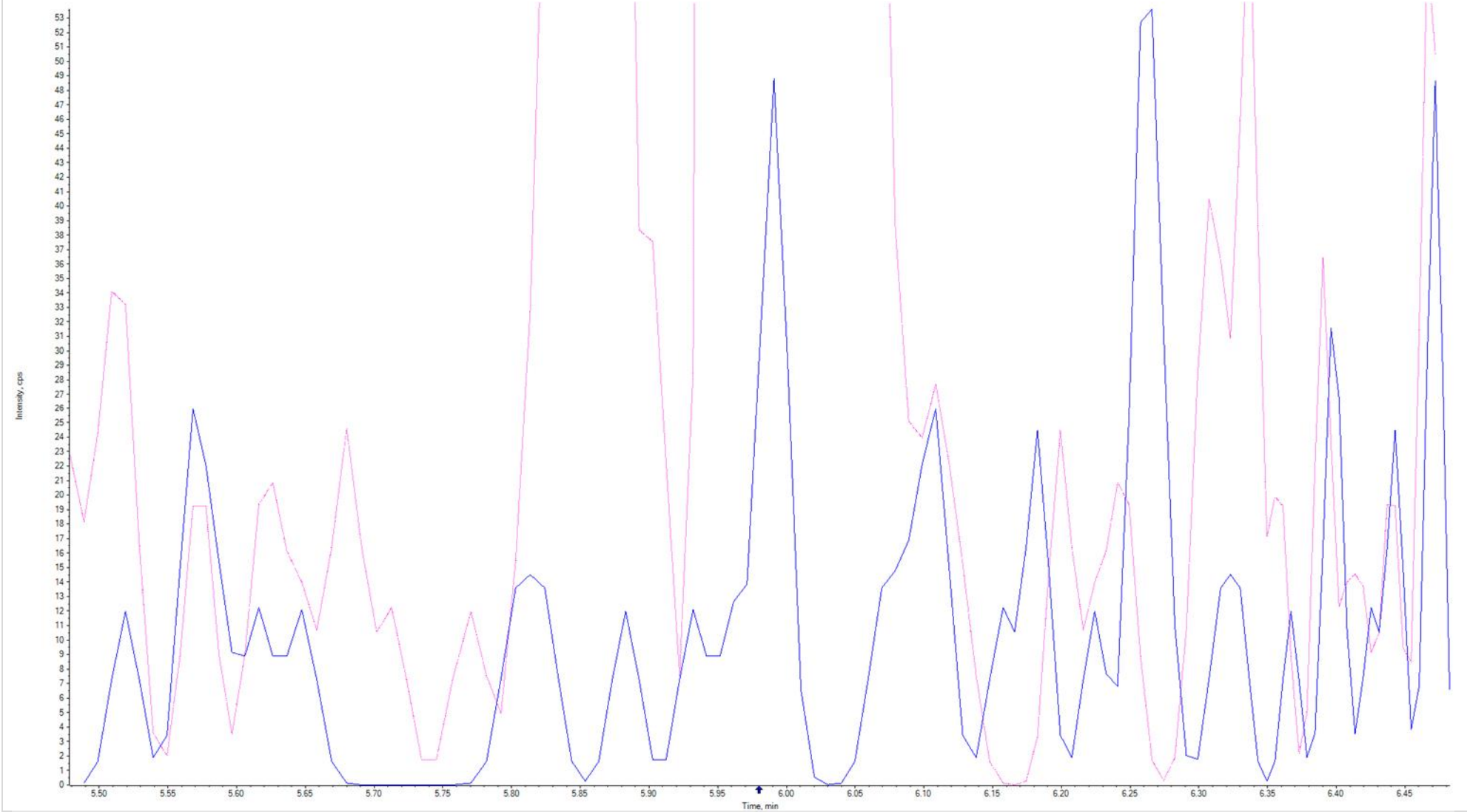

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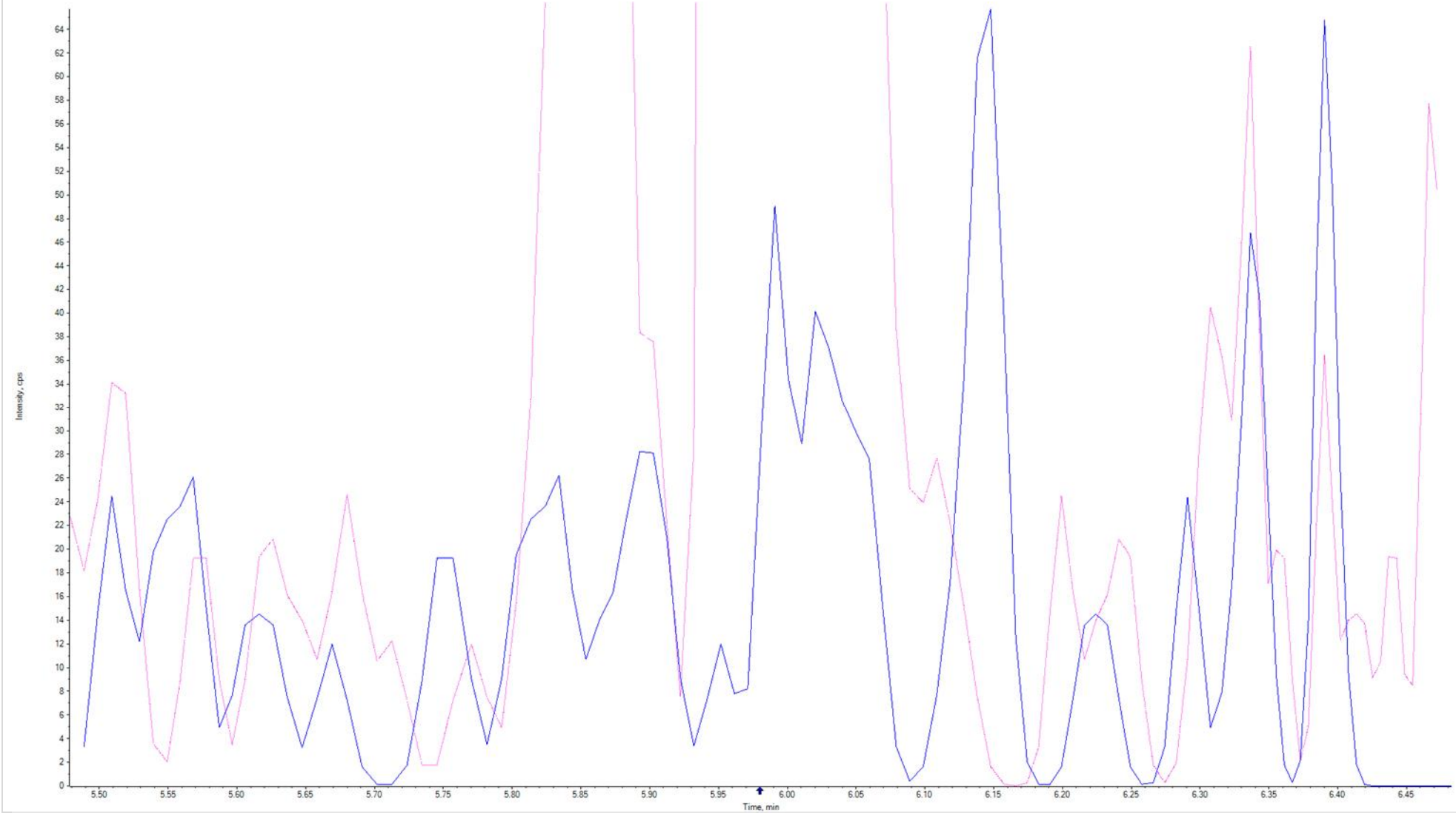

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NEtFOSA
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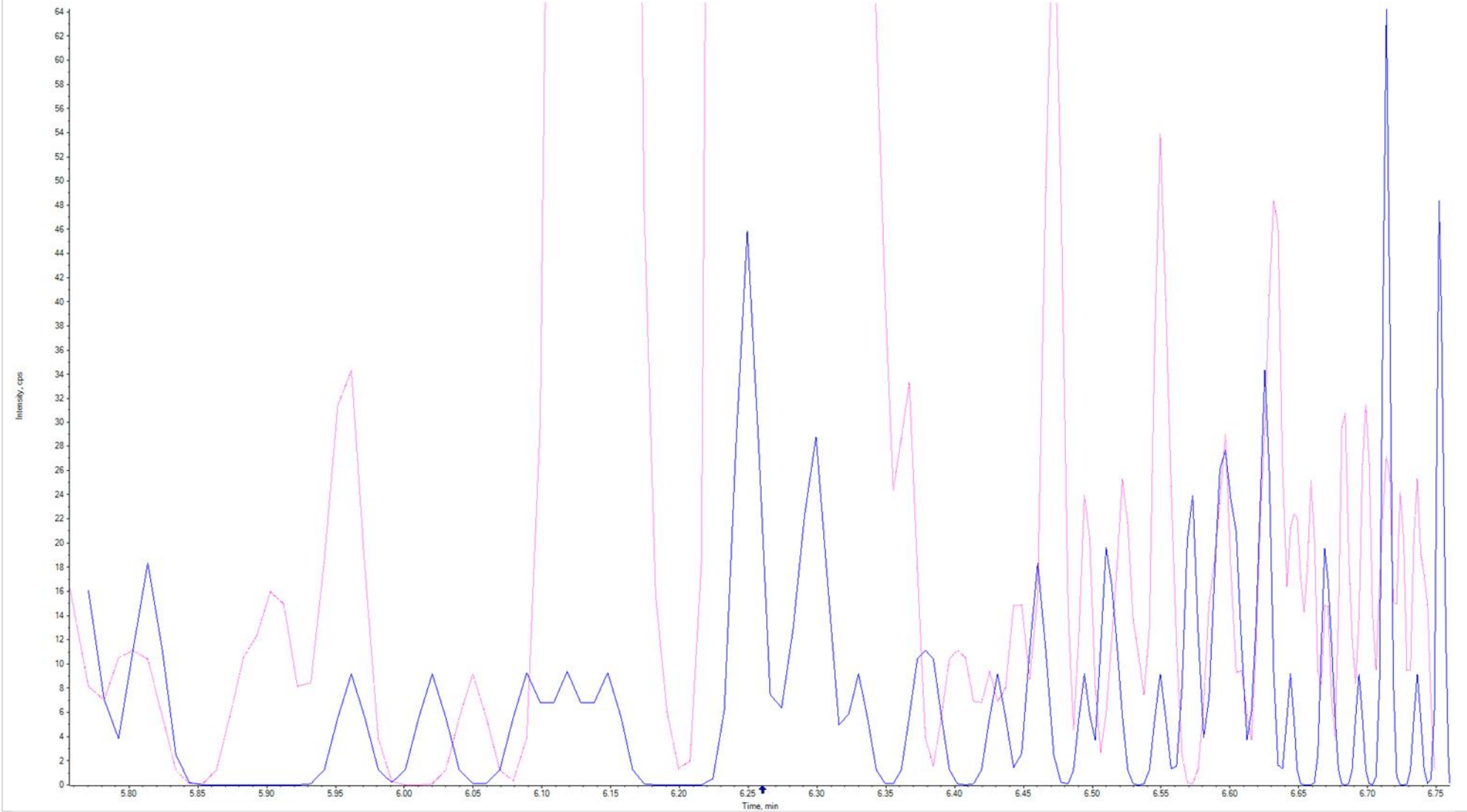

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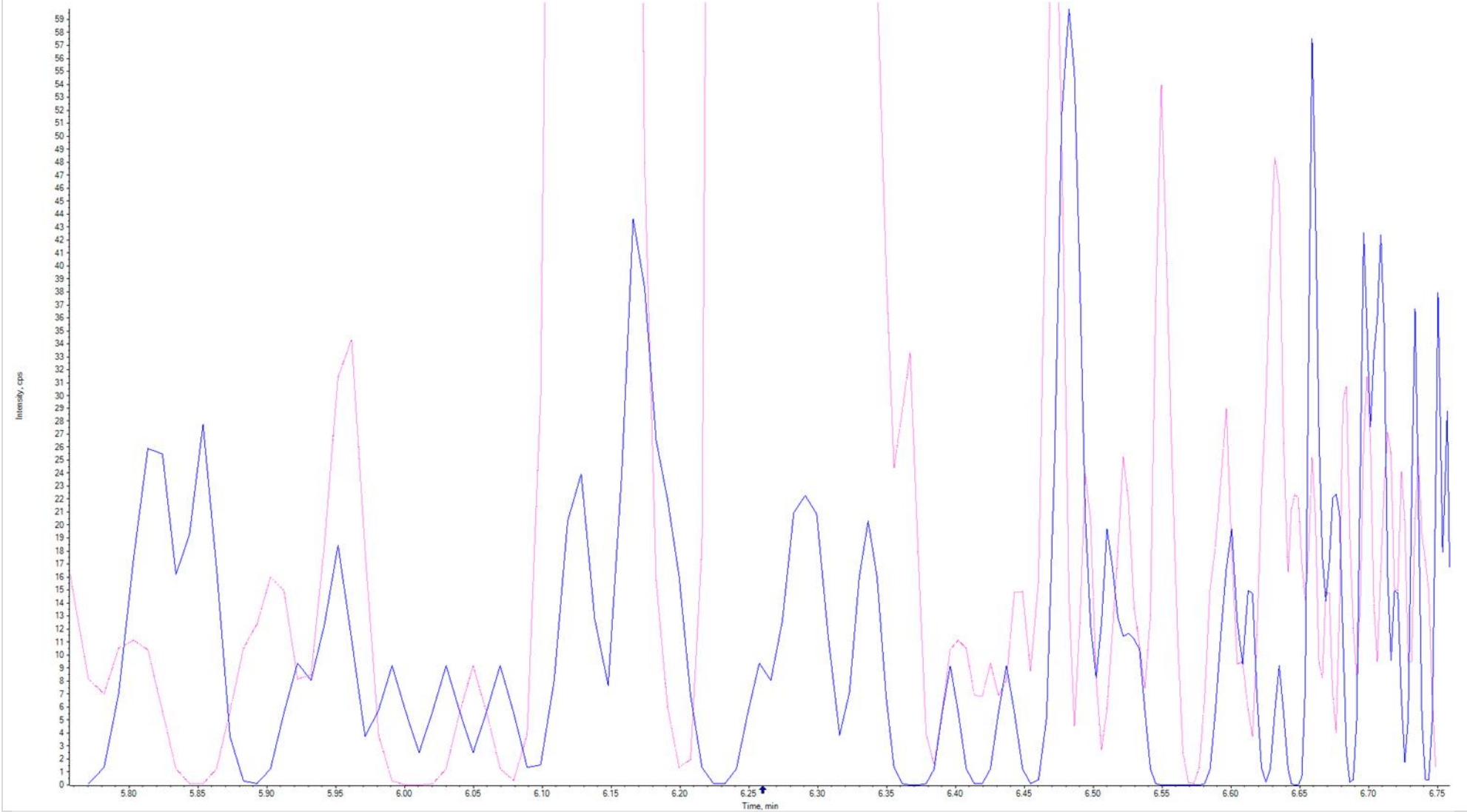

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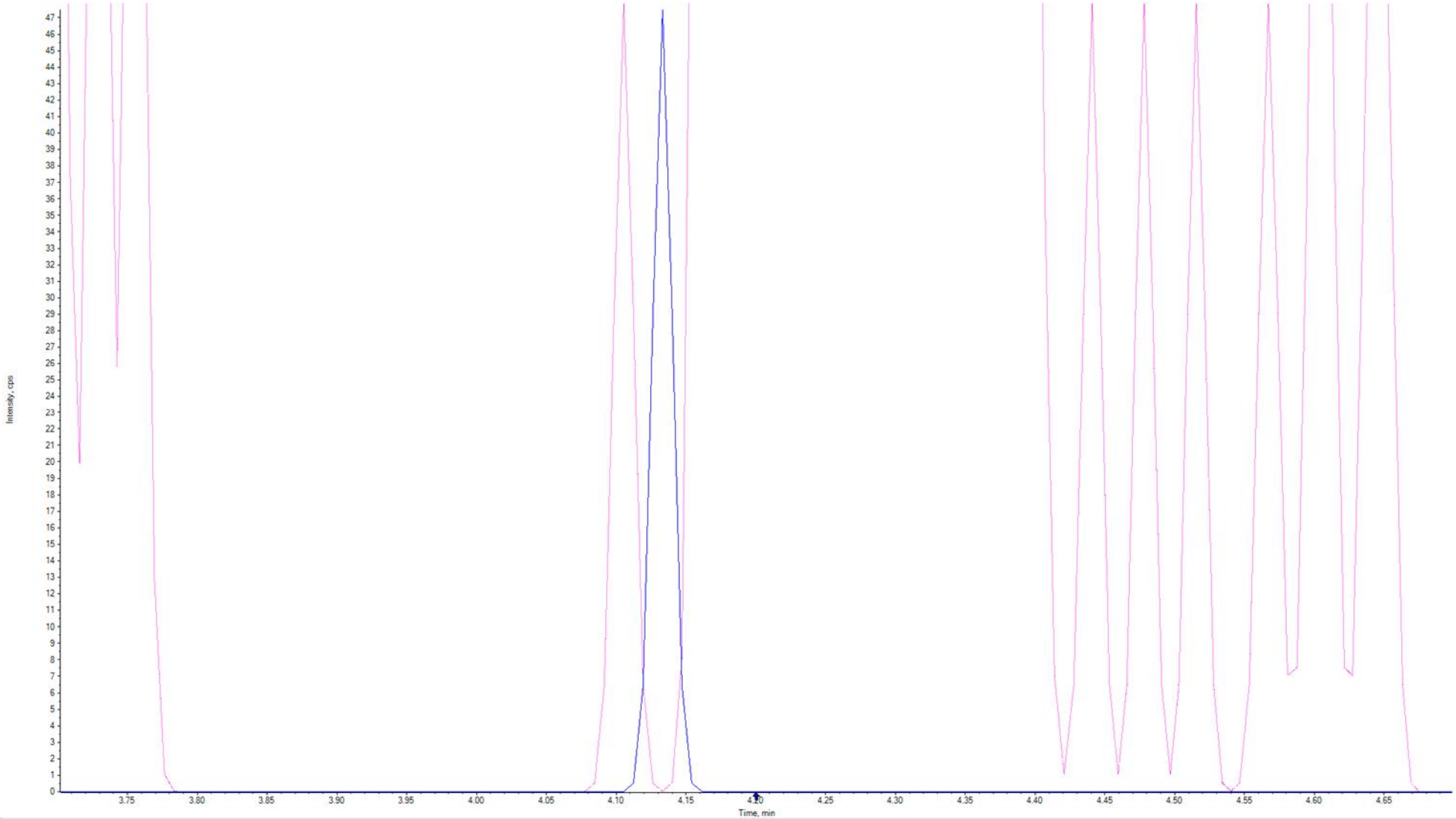

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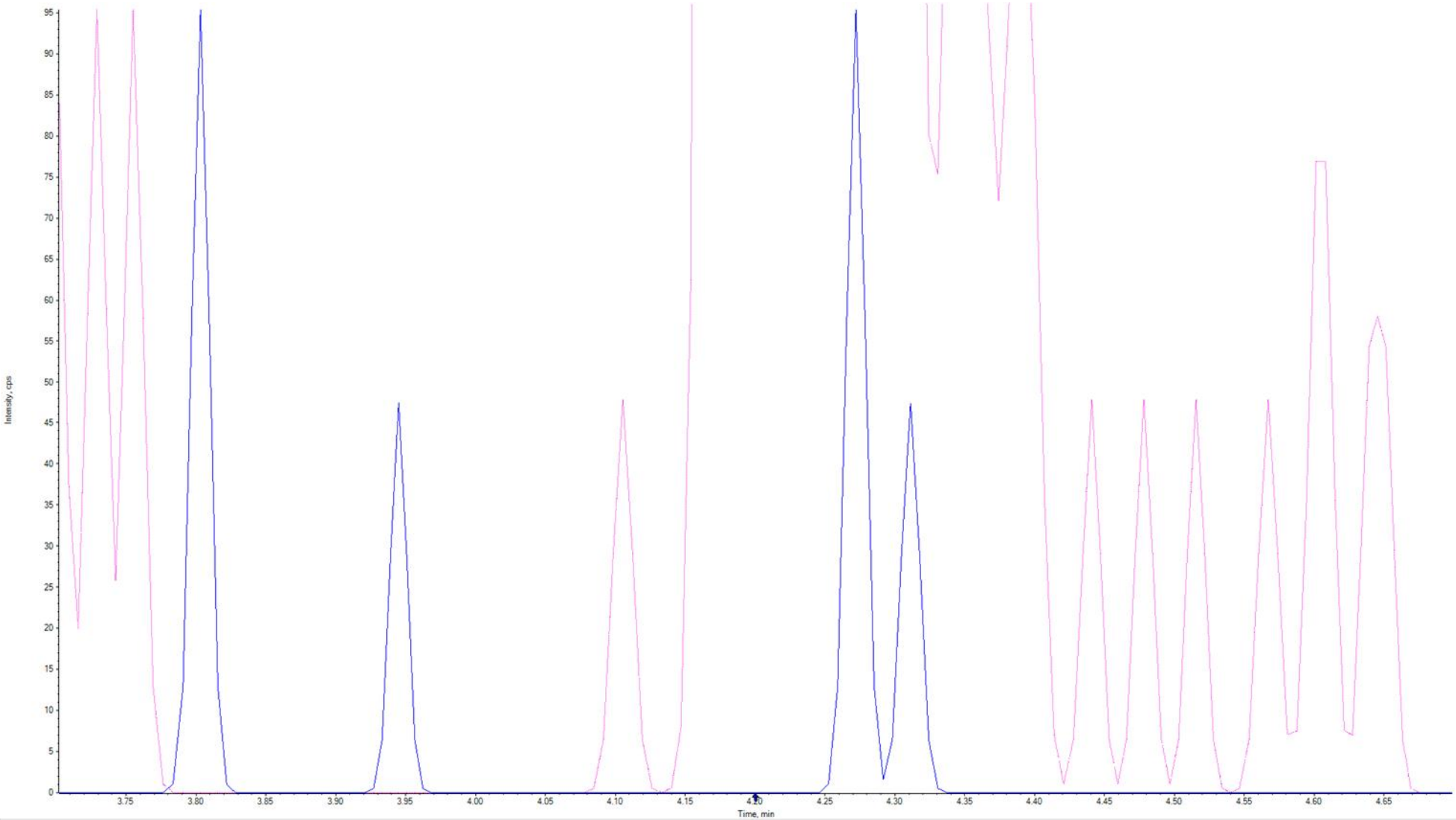

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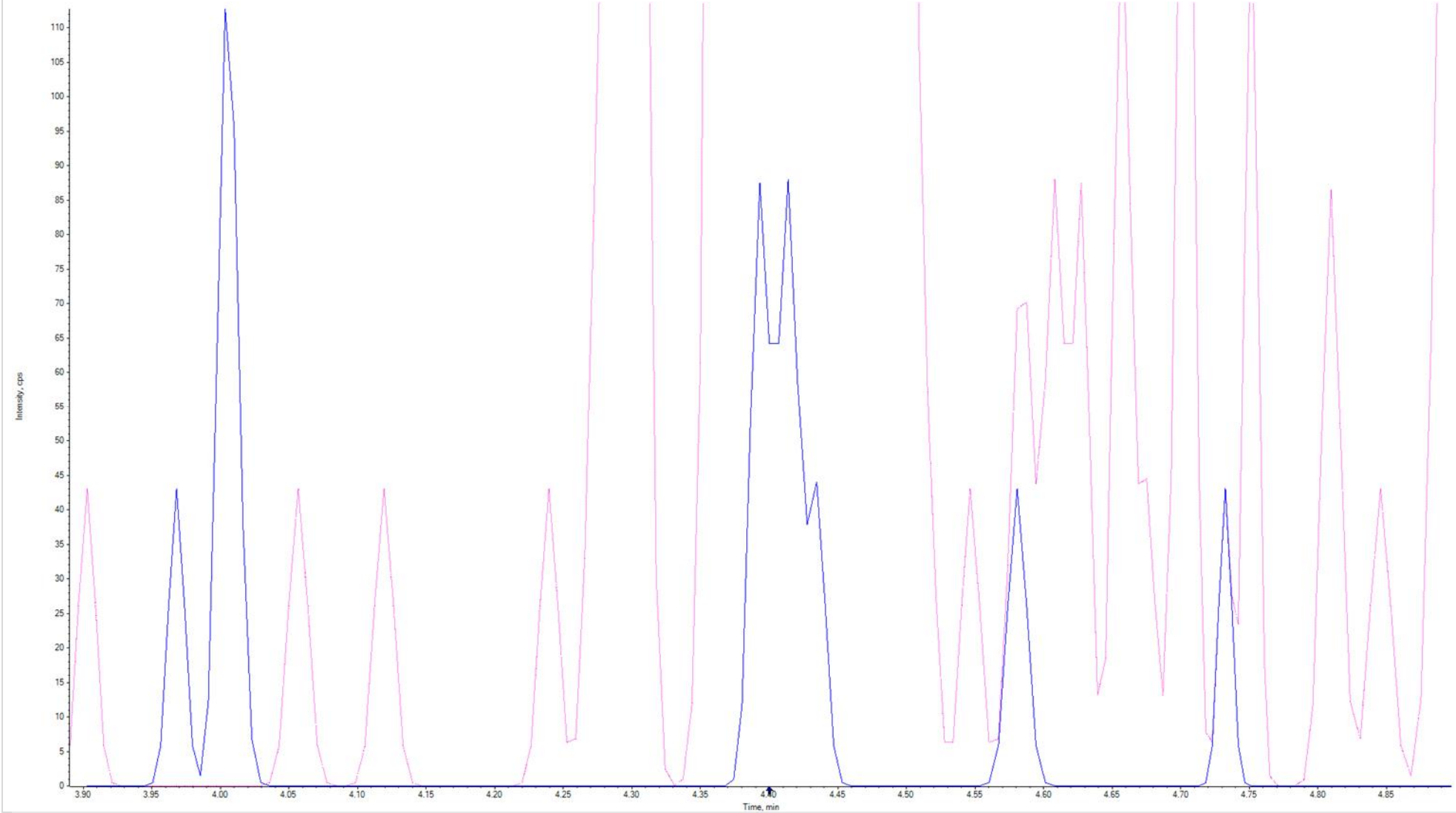

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NEtFOSAA_2
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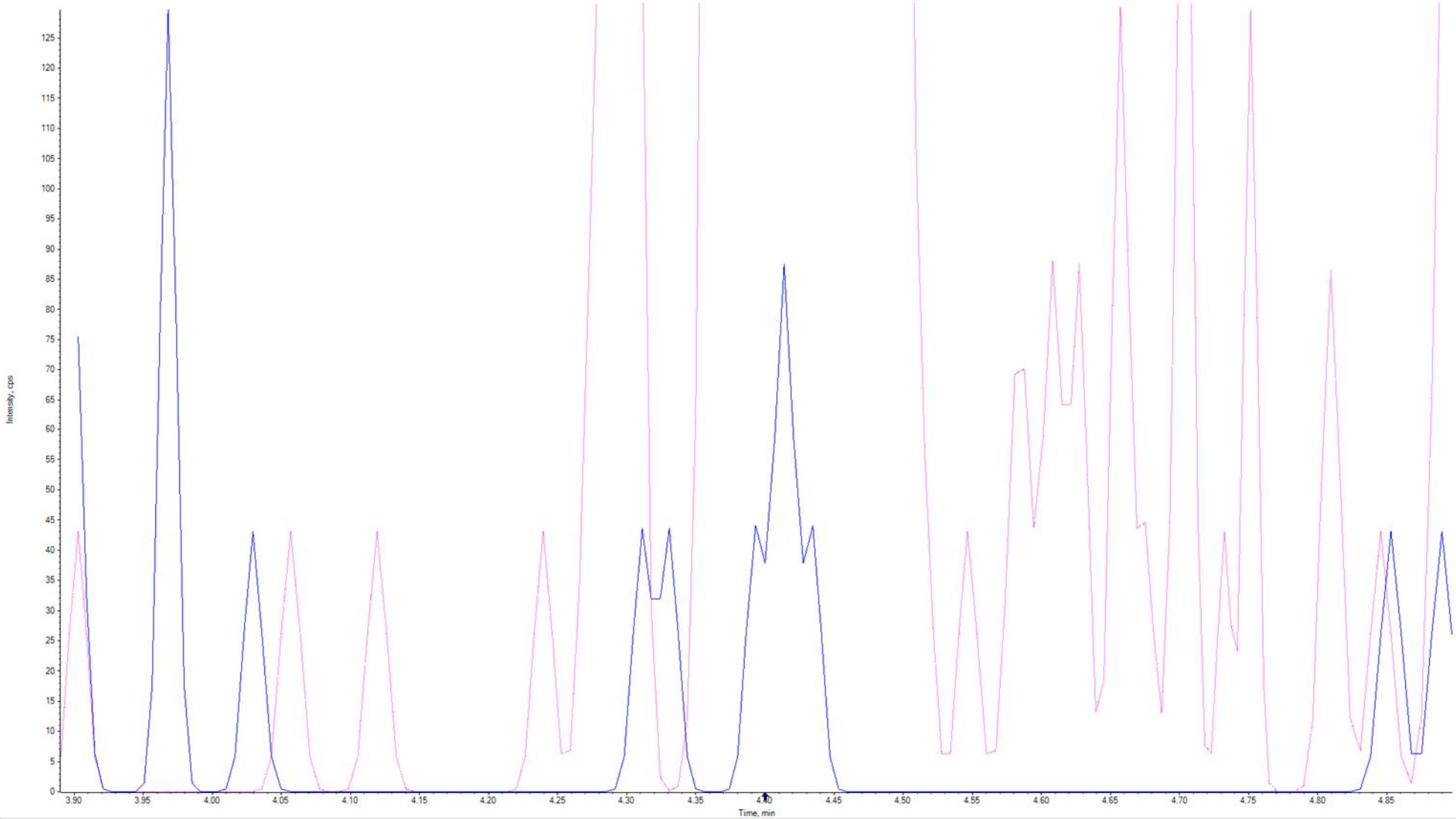

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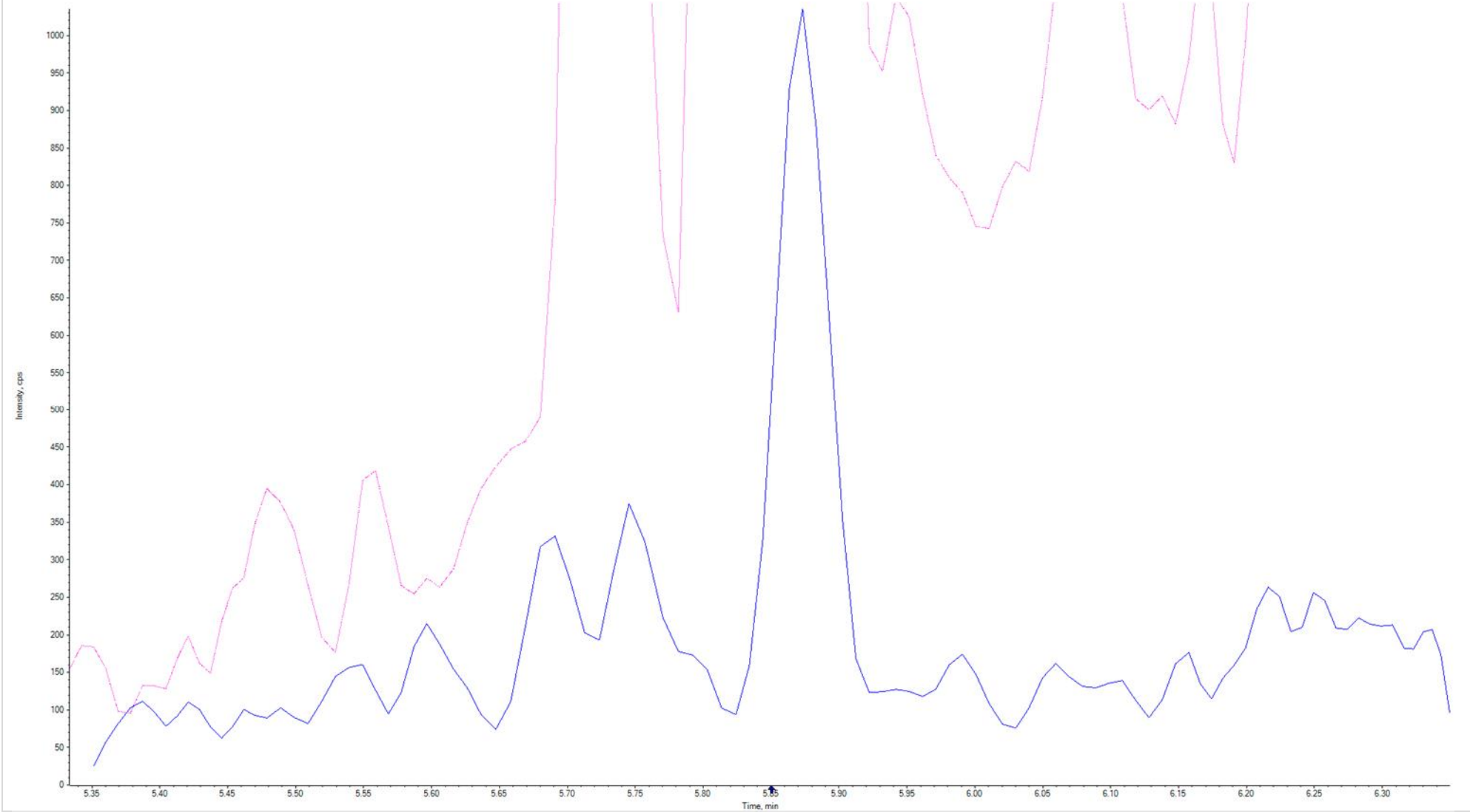

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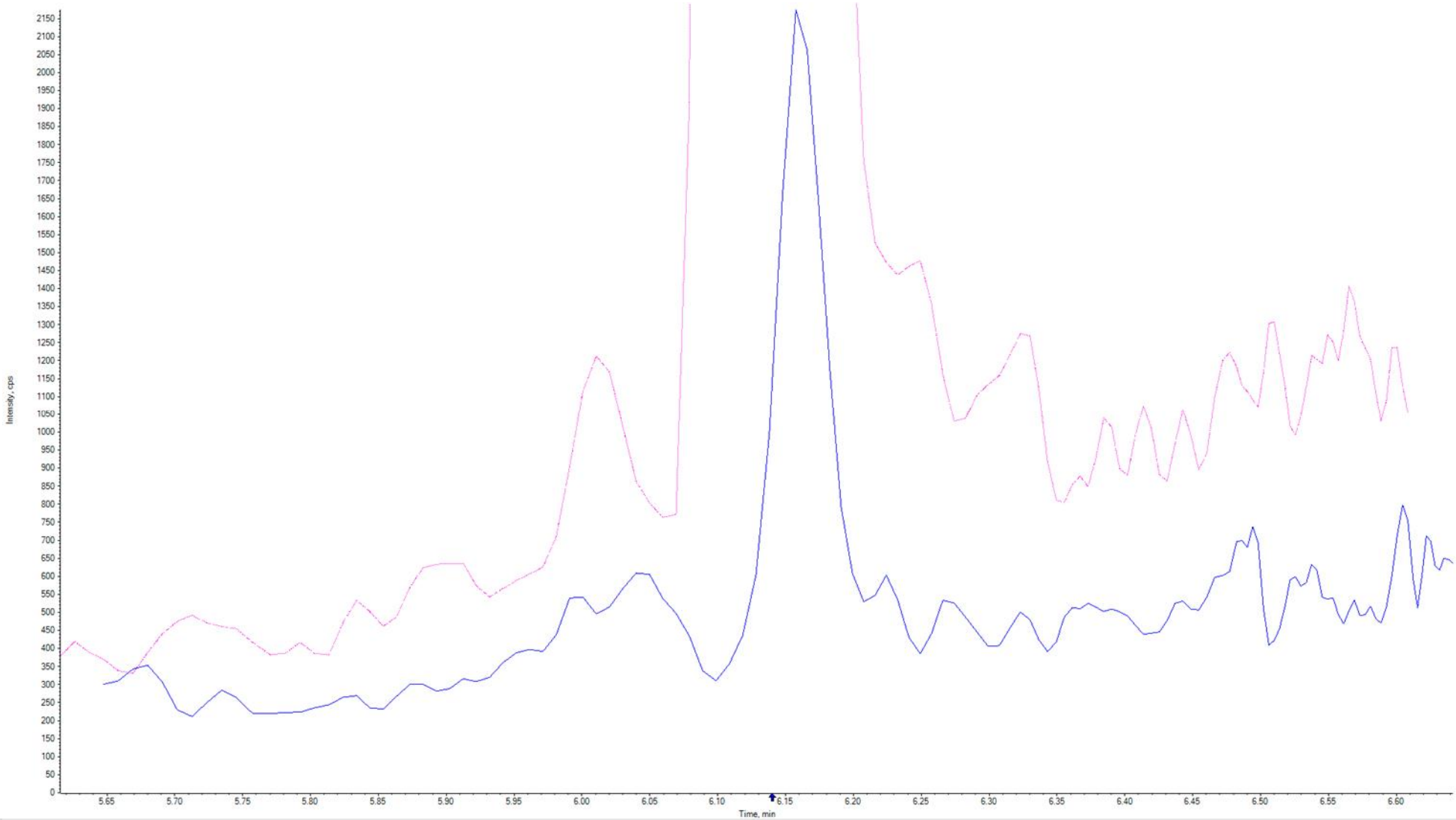

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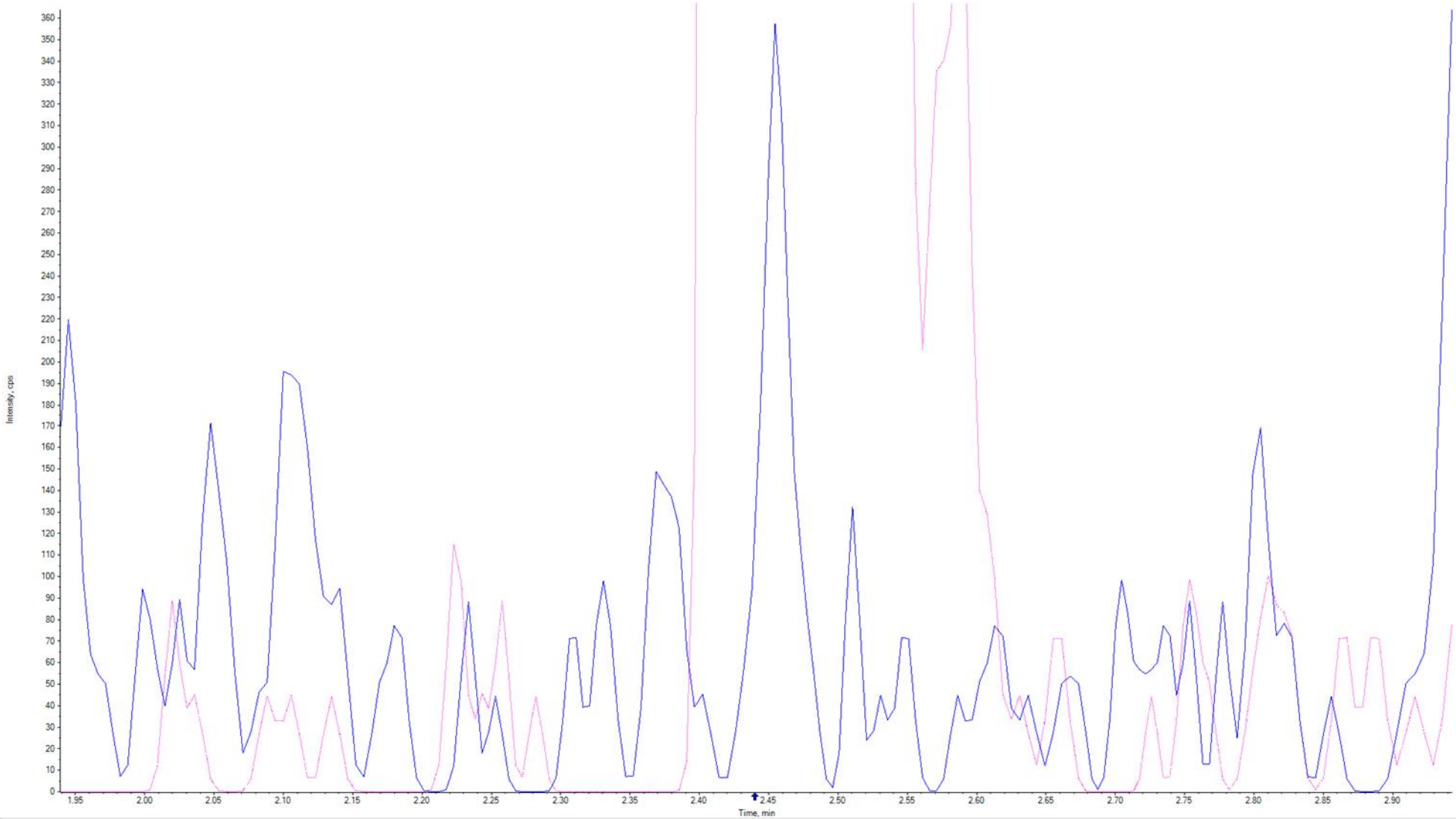

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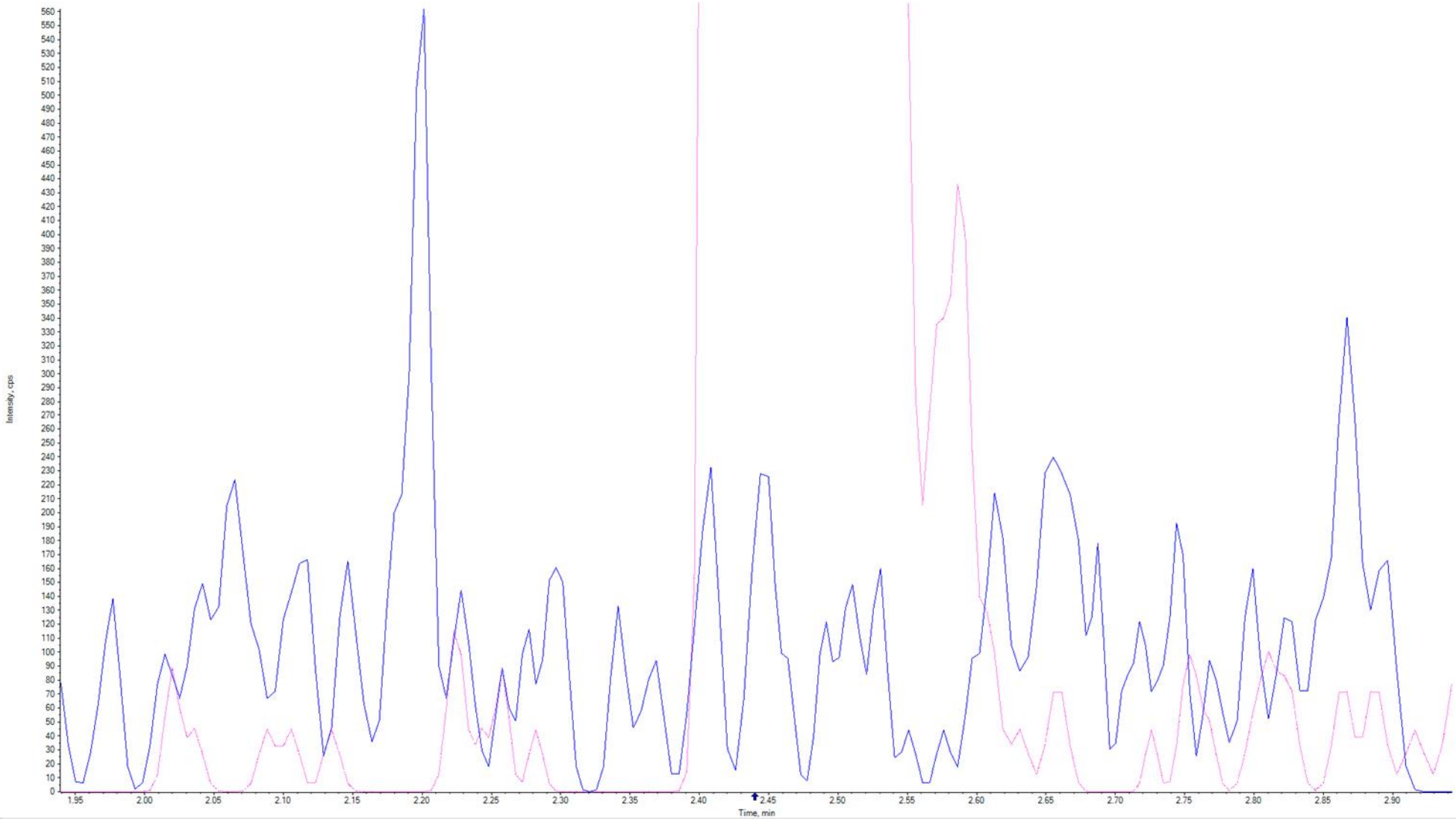

ADONA
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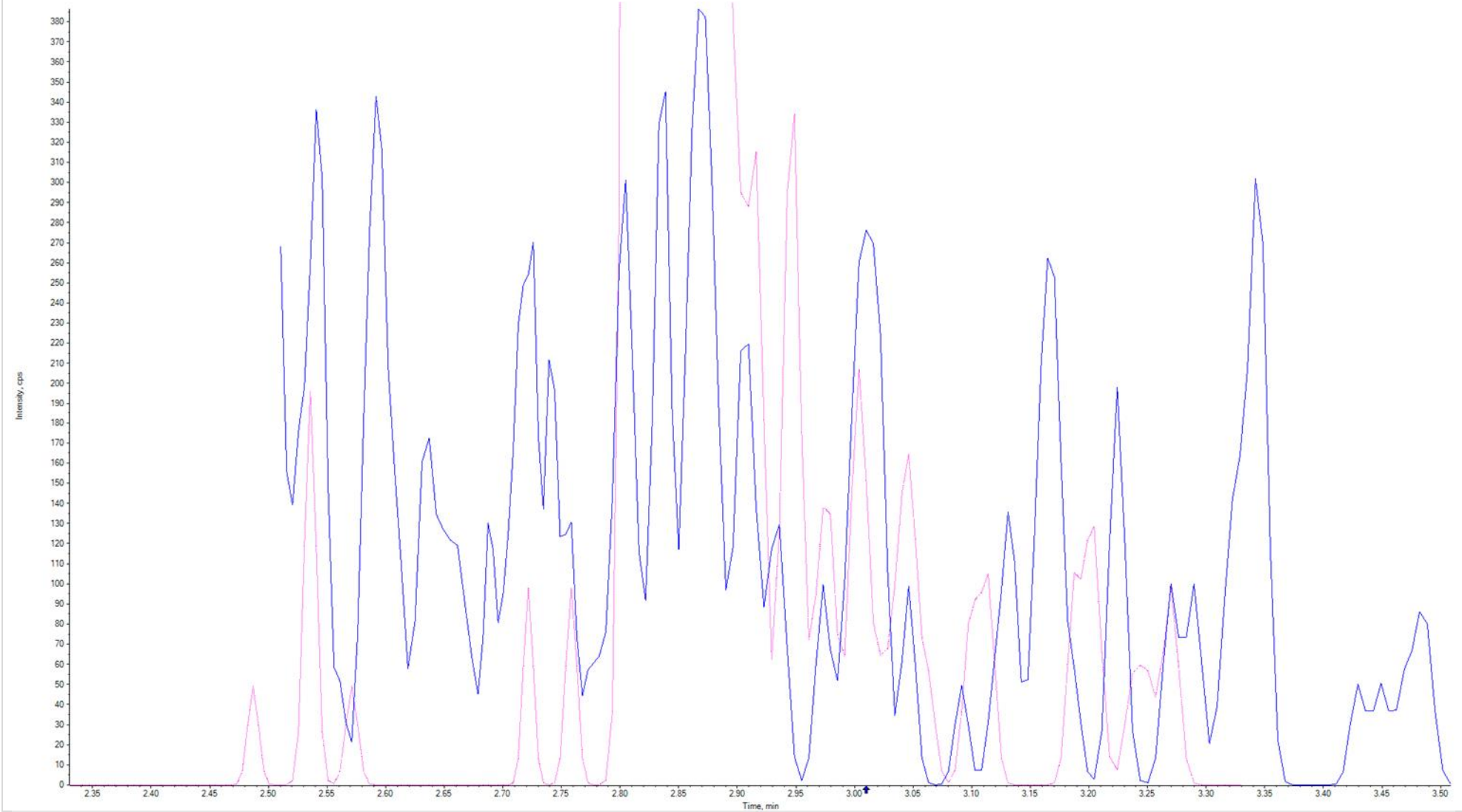

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ADONA_2
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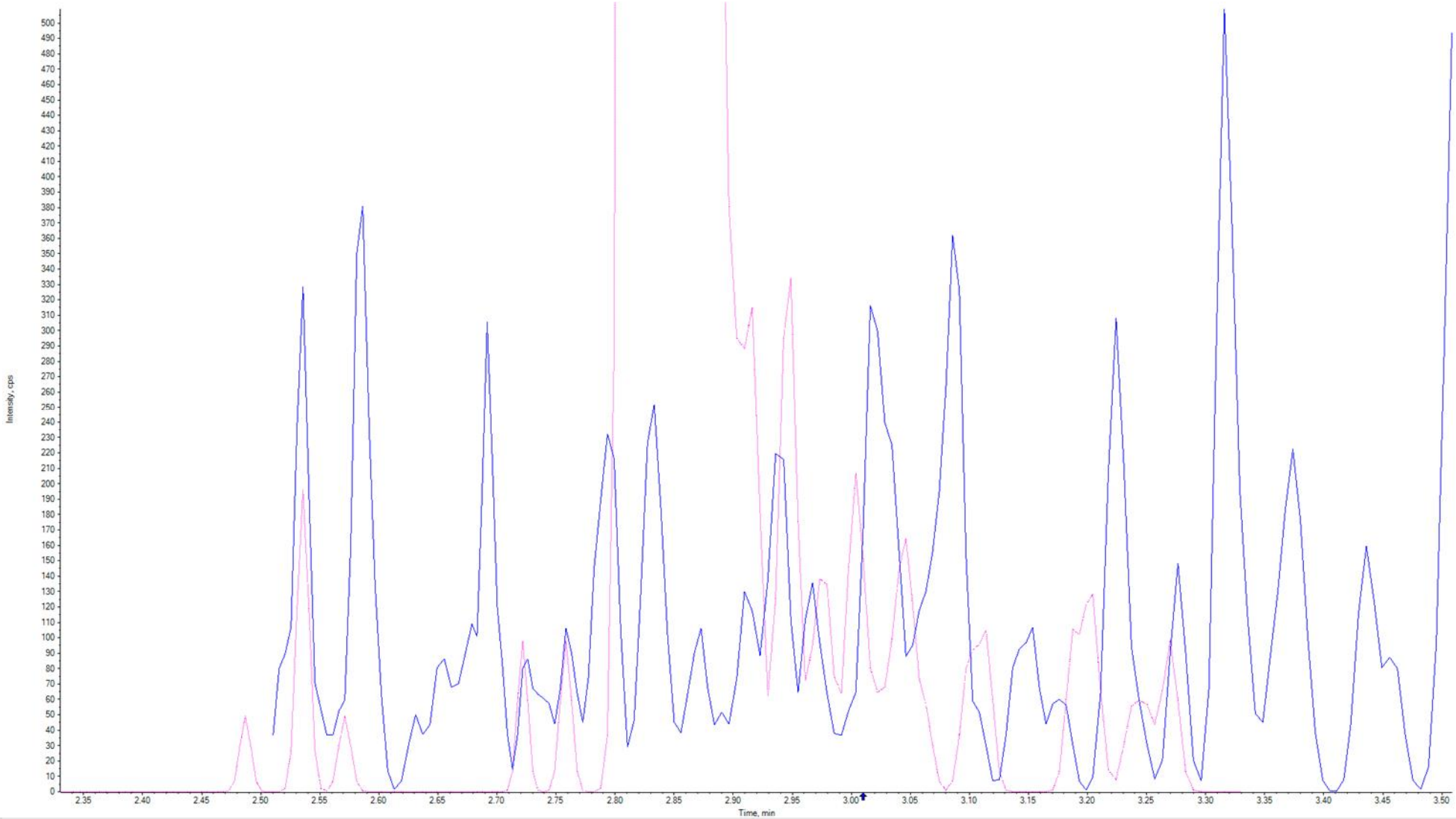

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9Cl-PF3ONS
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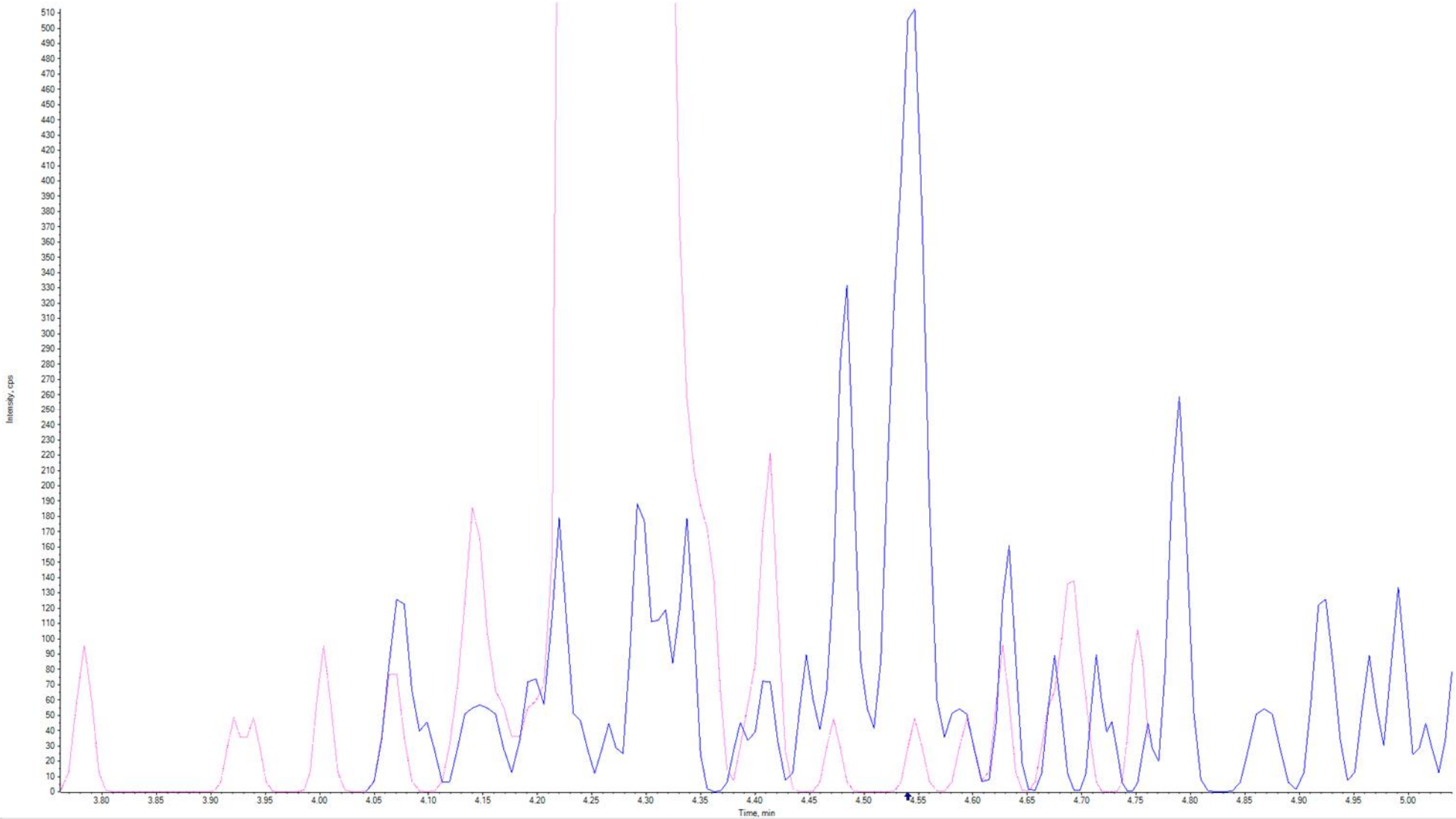

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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9Cl-PF3ONS_2
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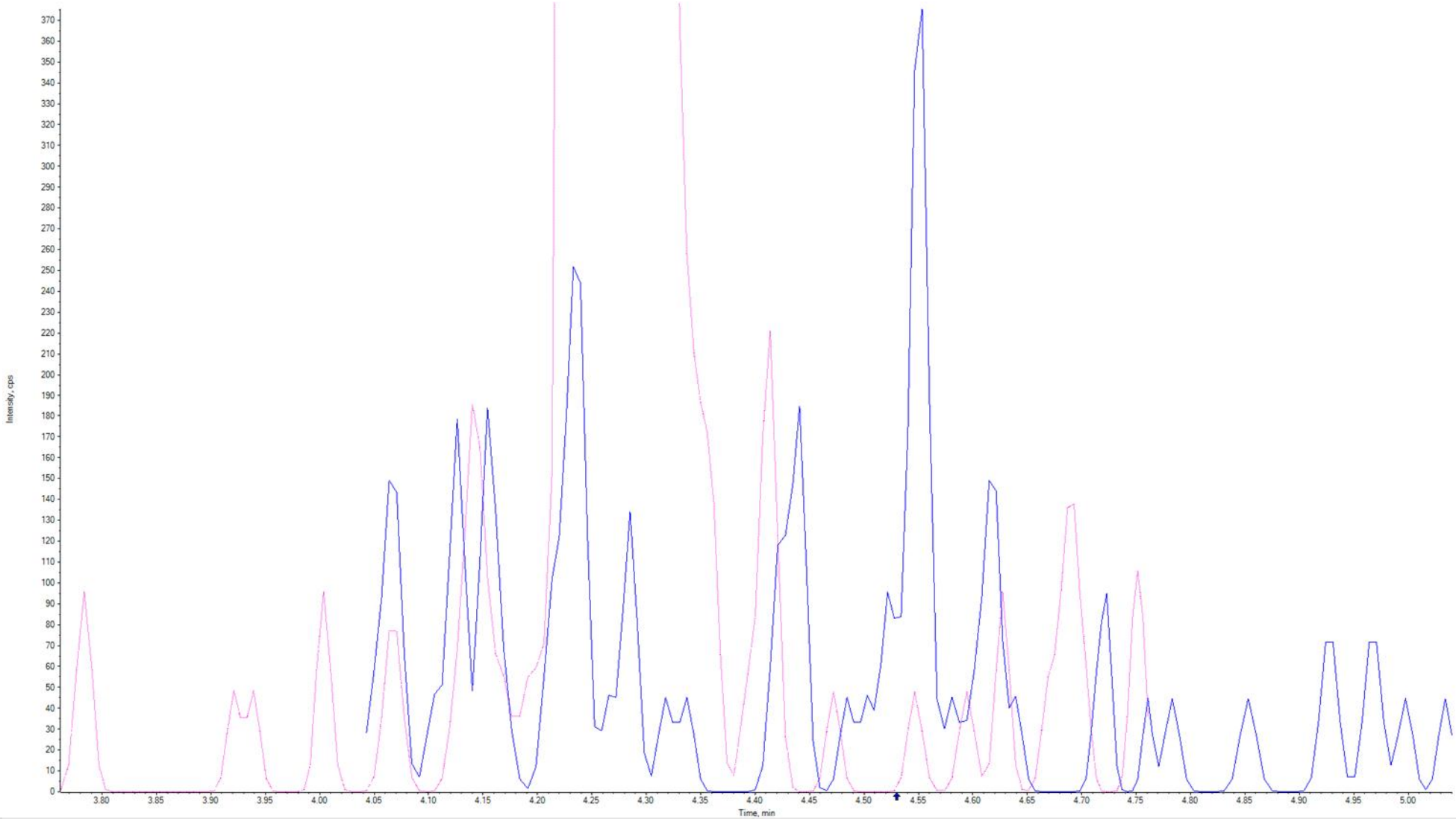

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11Cl-PF3OUdS
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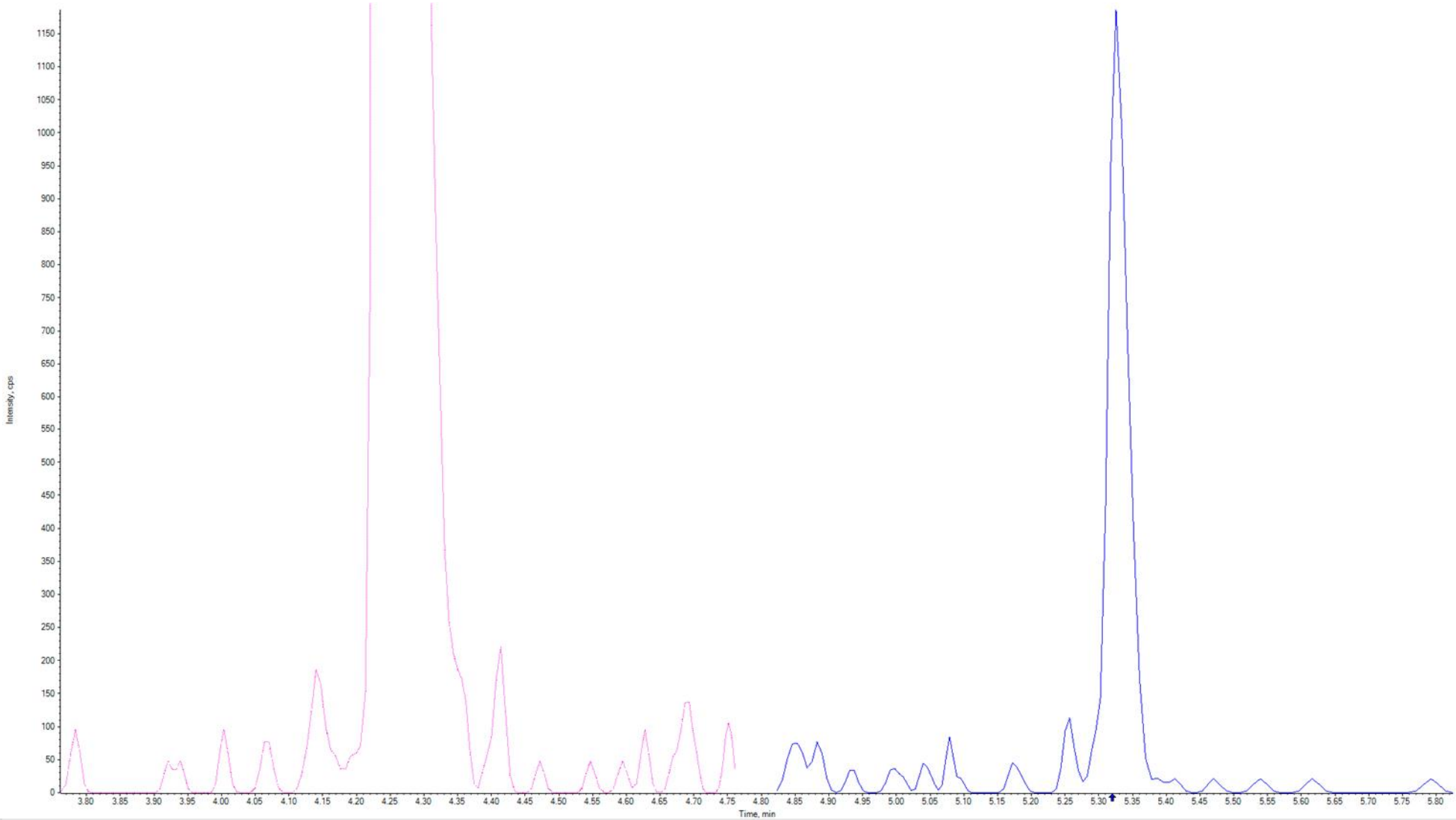

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_17.wiff2_3
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11Cl-PF3OUdS_2
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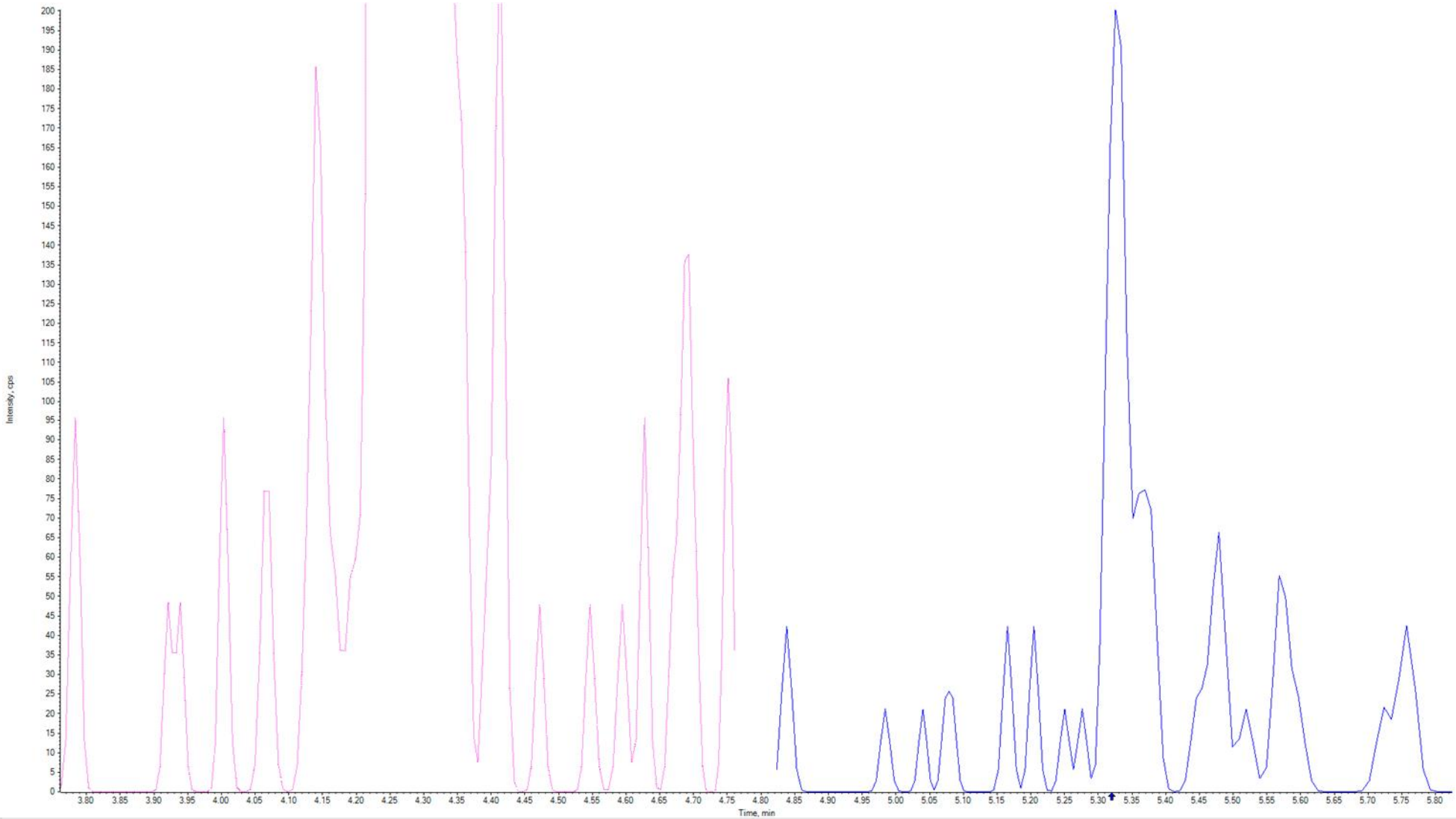

3:3FTCA
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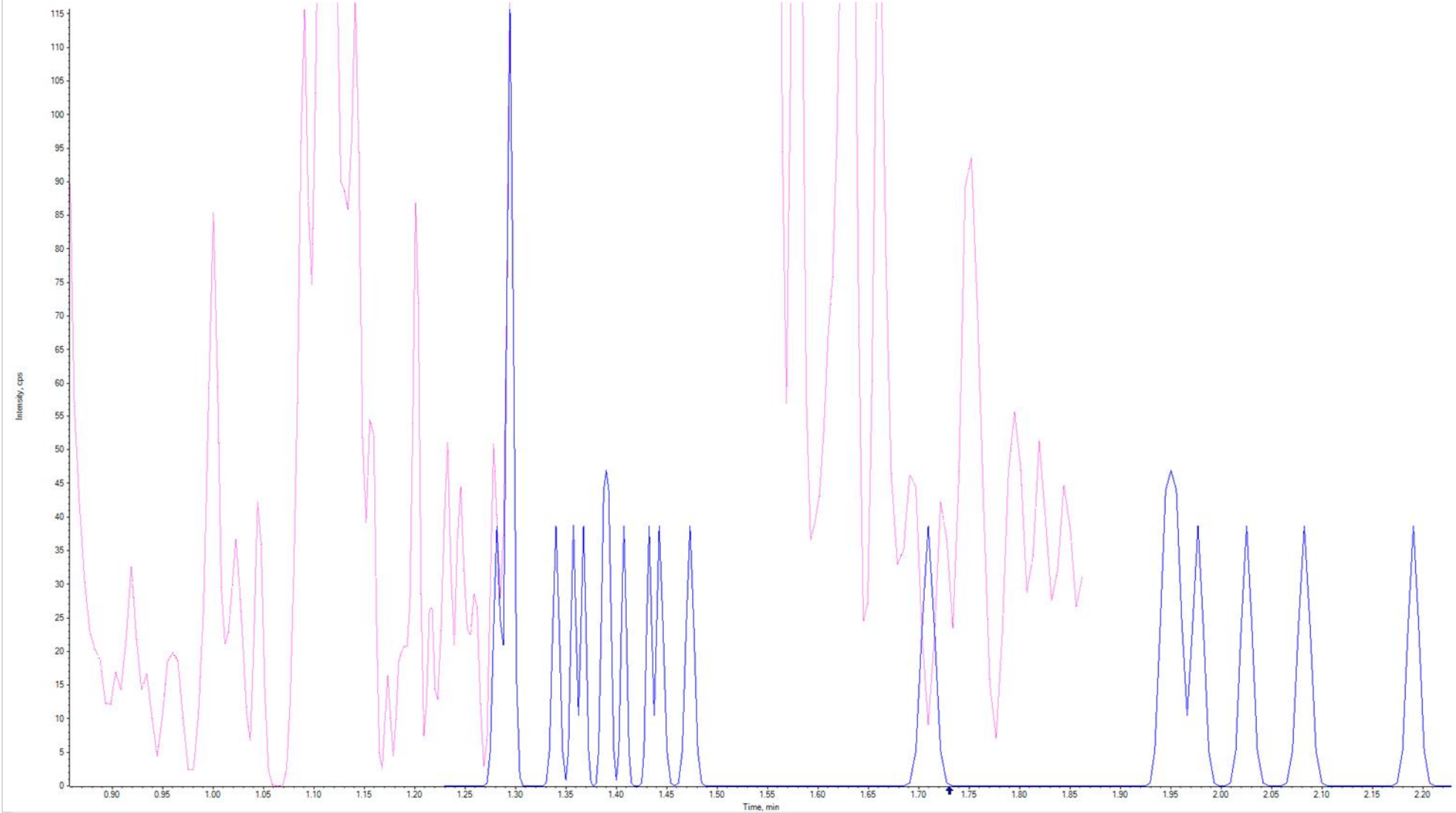

3:3FTCA_2
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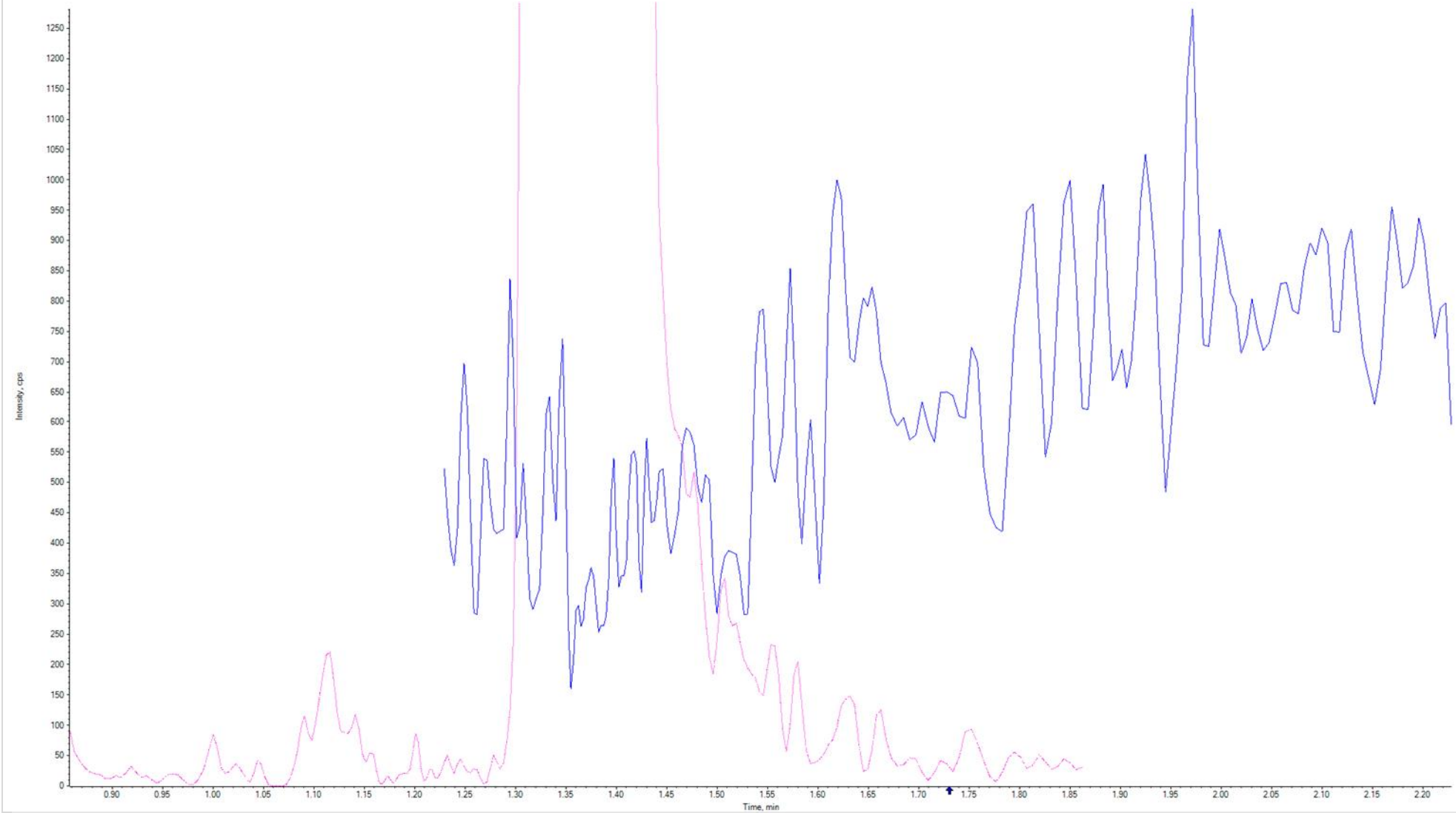

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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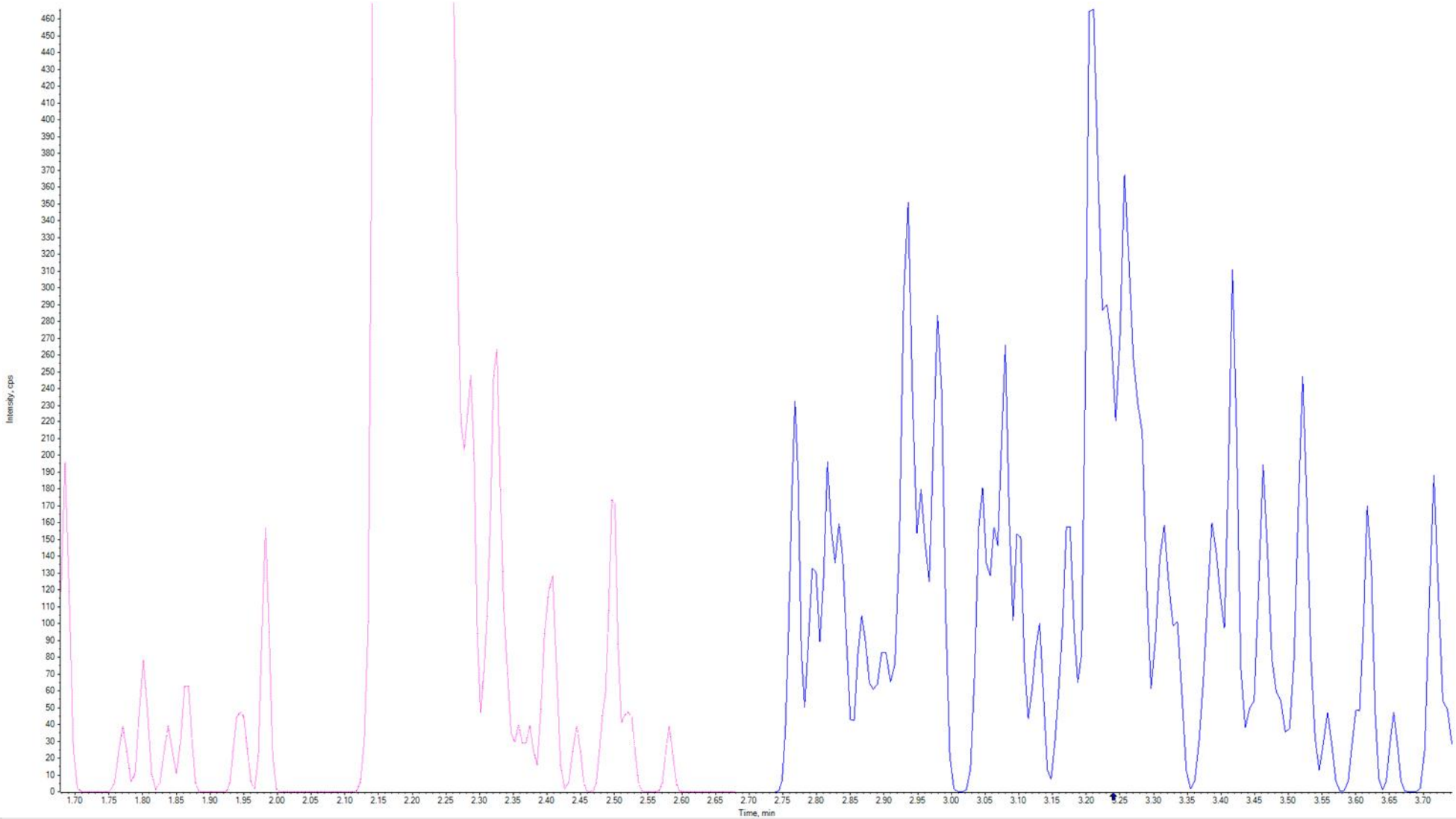
5:3FTCA
Sample: WG1997639-3,INSTBLANK S/N:N/A Points Across peak:N/A



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5:3FTCA_2
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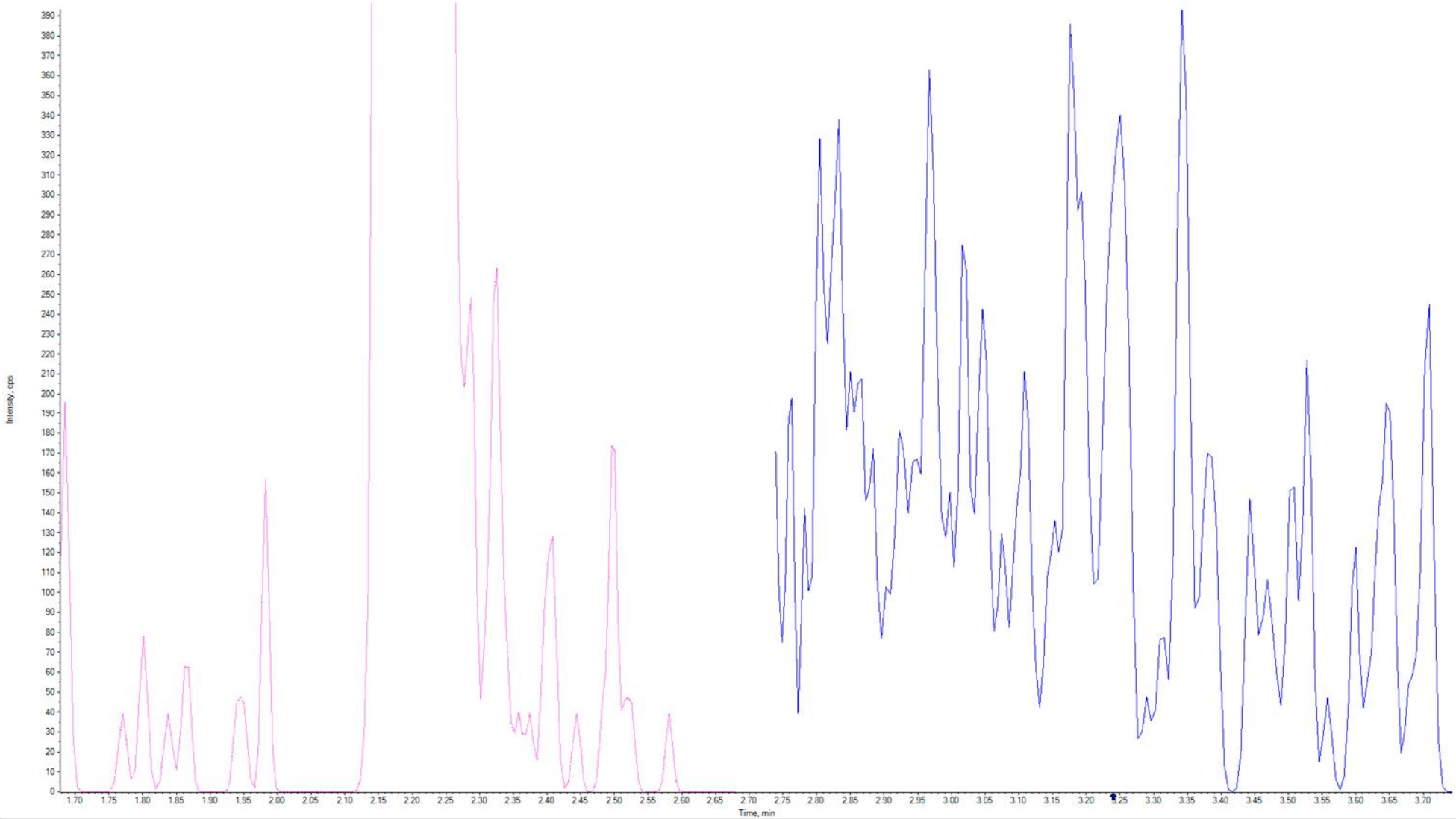

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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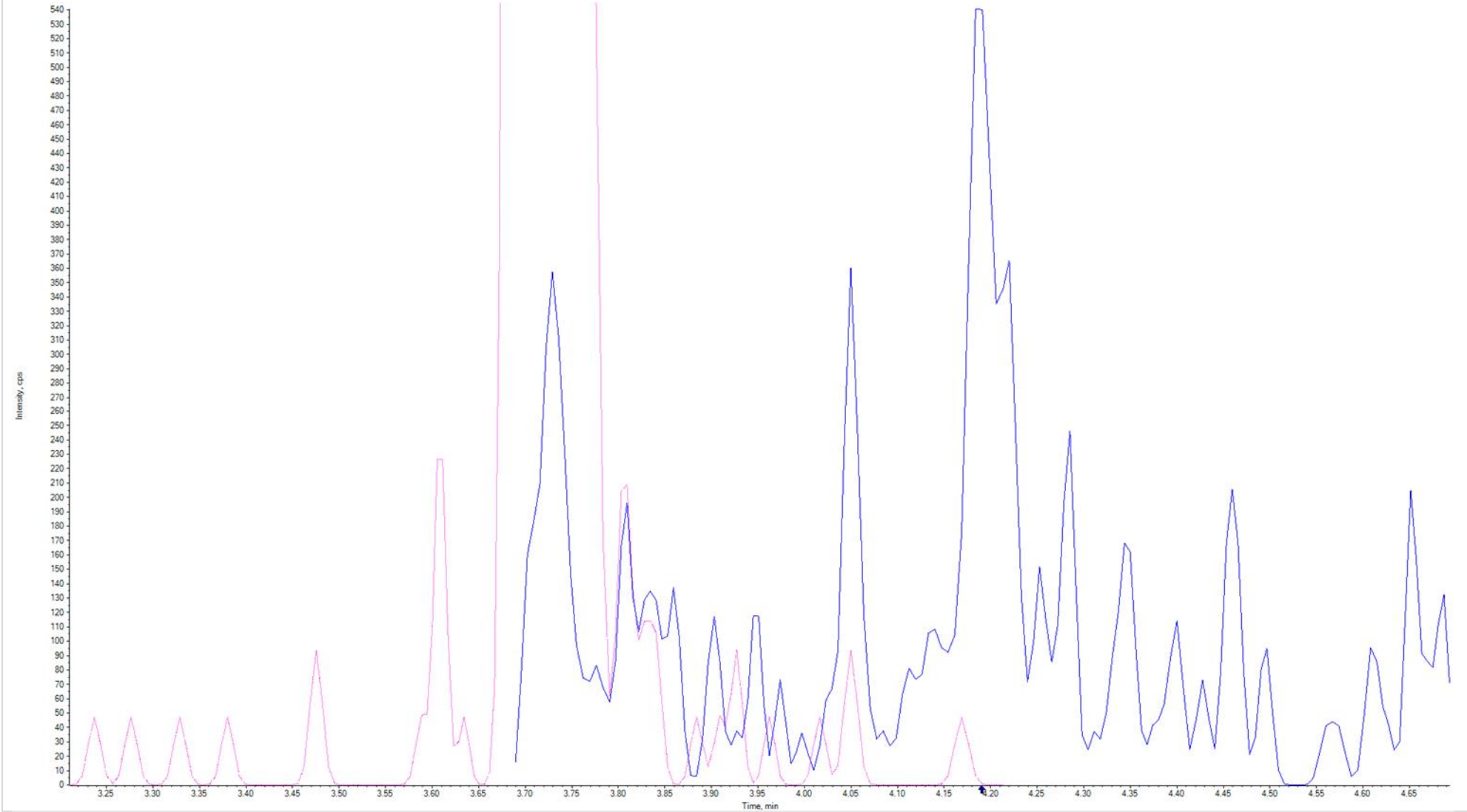
Last Altered: 11/15/2024 3:30:10 PM
Generated: 11/15/2024 2:59:39 PM

7:3FTCA
Sample: WG1997639-3,INSTBLANK S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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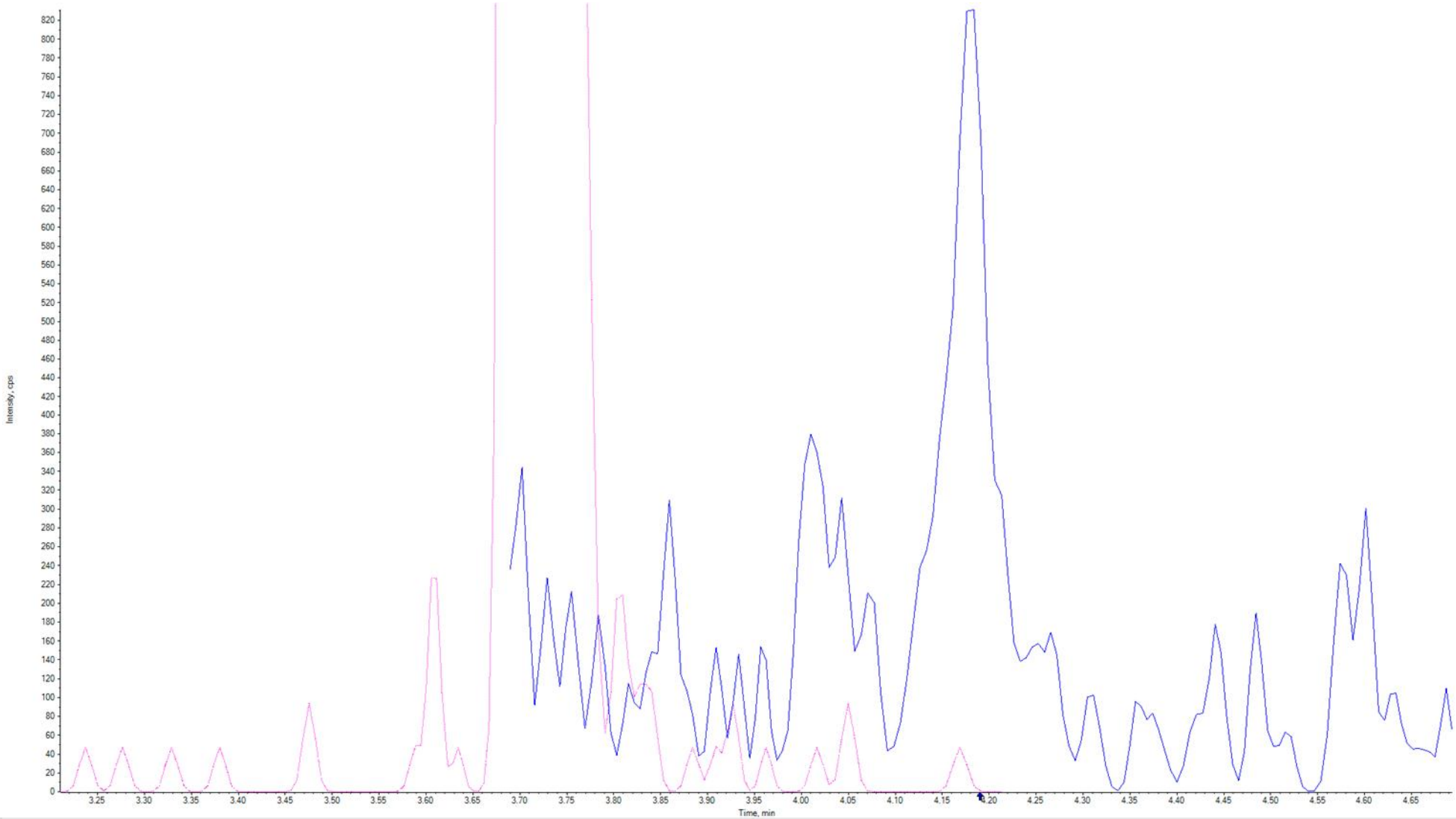
Last Altered: 11/15/2024 3:30:10 PM
Generated: 11/15/2024 2:59:39 PM

7:3FTCA_2
Sample: WG1997639-3,INSTBLANK S/N:N/A Points Across peak:N/A



PFEESA
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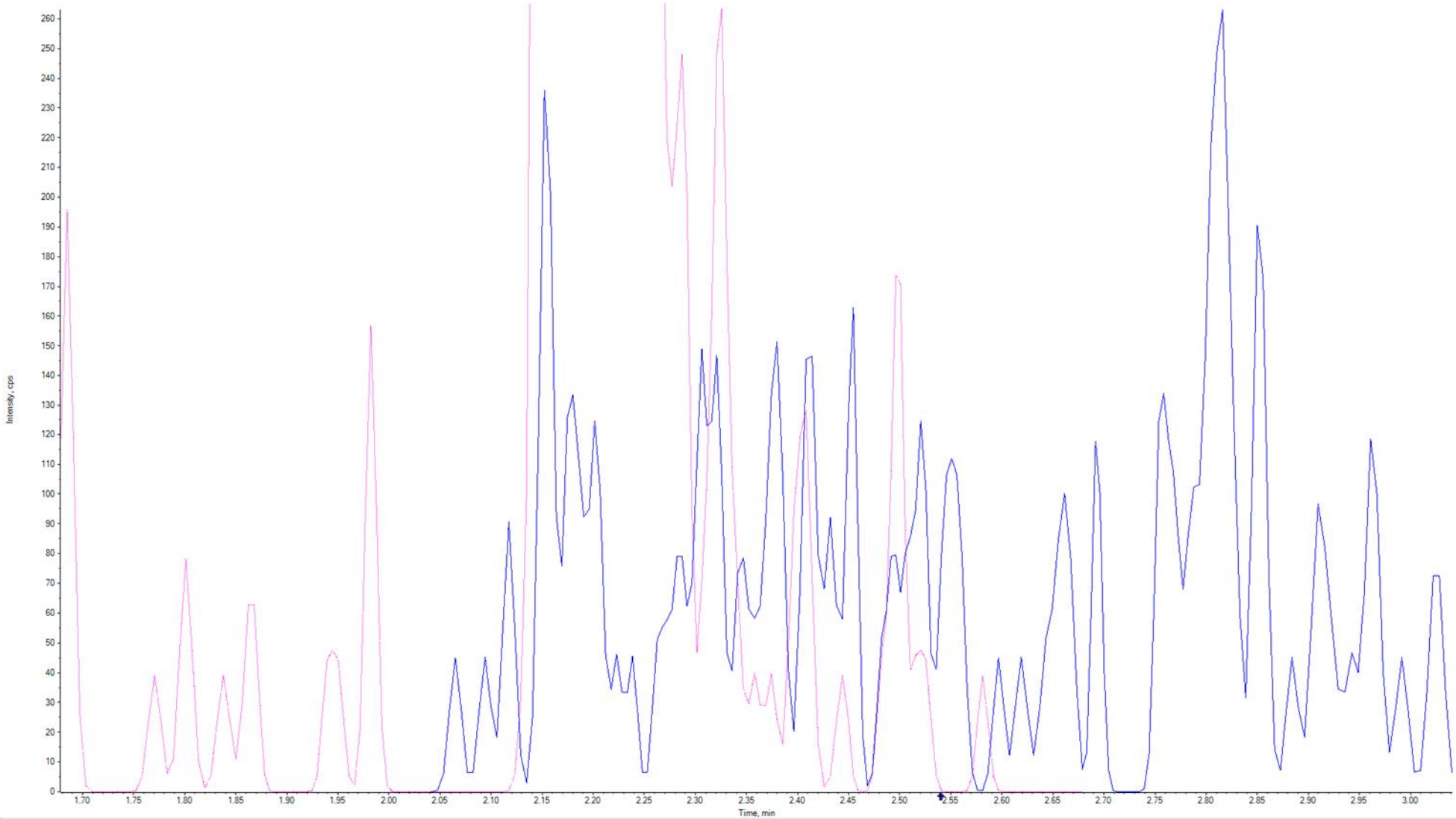

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFEESA_2
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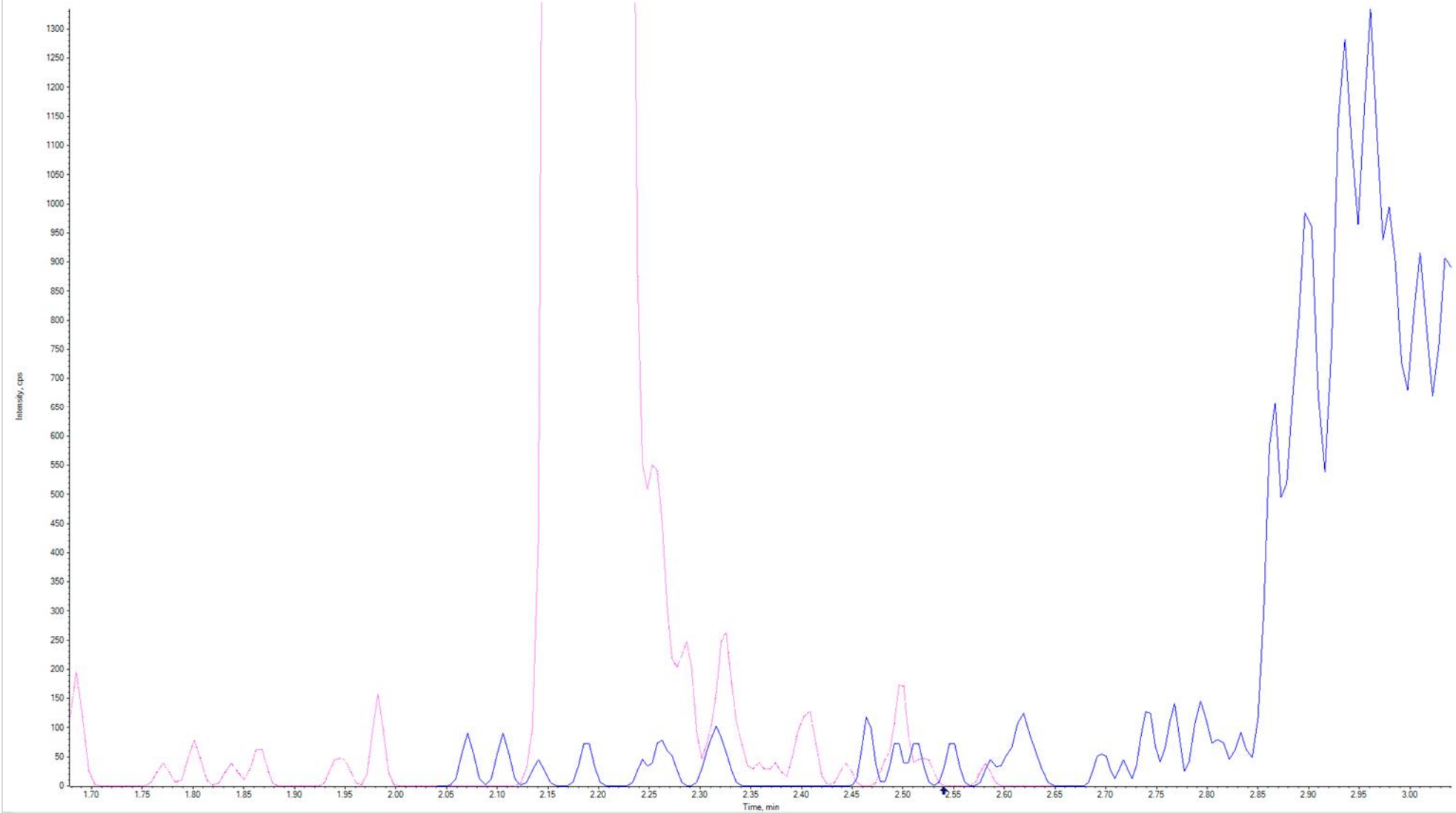

PFMPA
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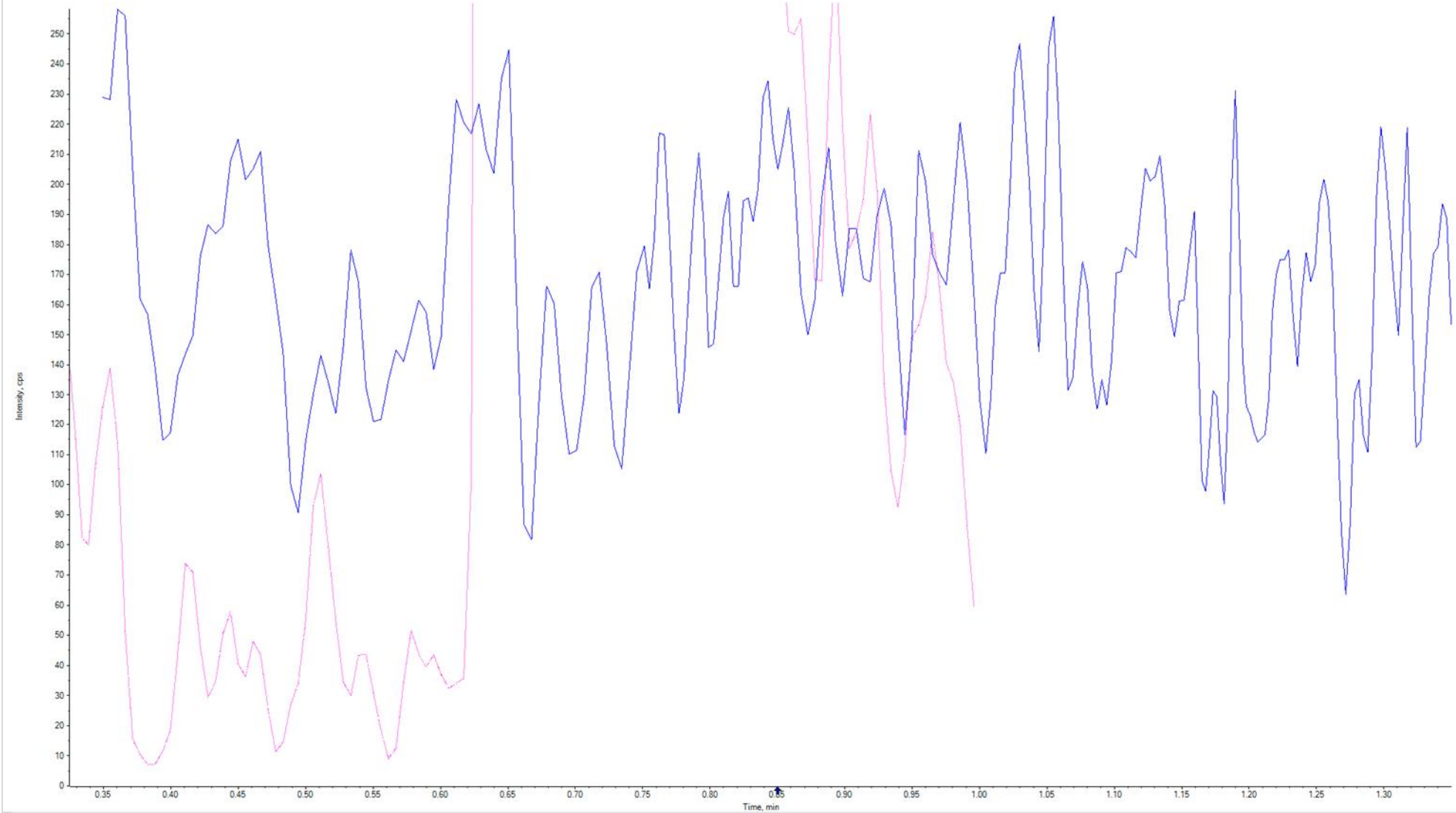

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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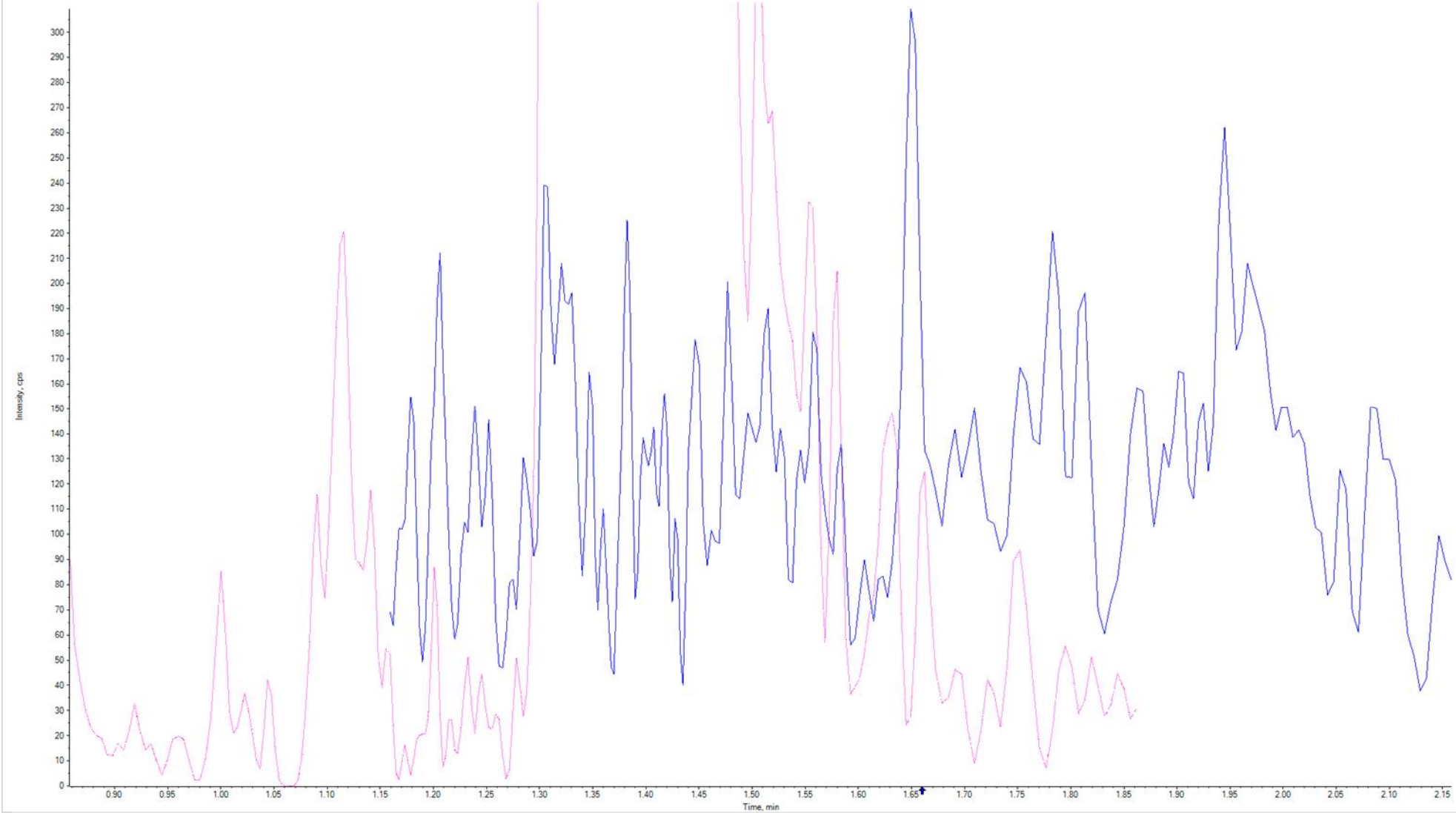
Generated: 11/15/2024 2:59:39 PM

PFMBA
Sample: WG1997639-3,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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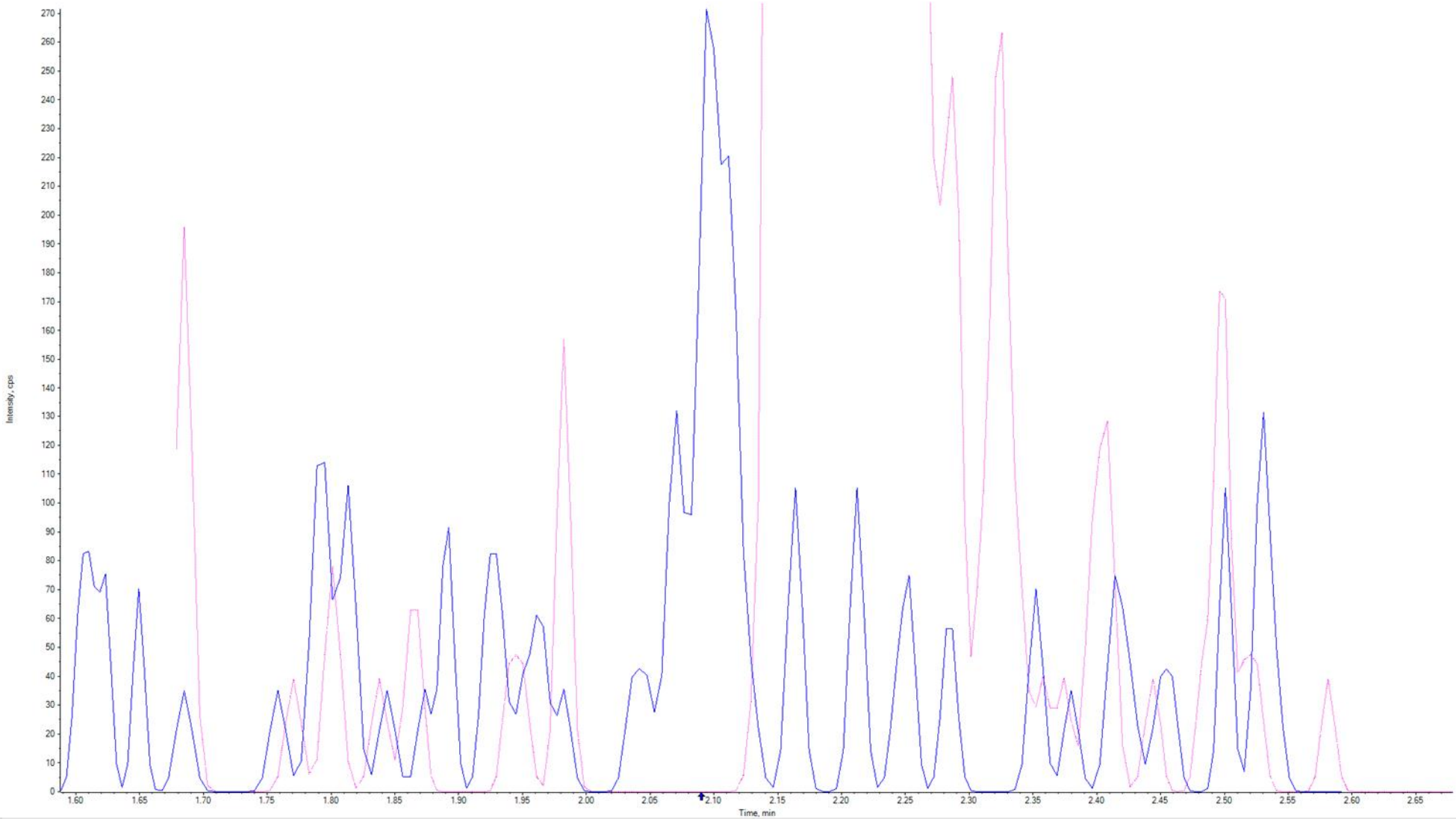
Last Altered: 11/15/2024 3:30:10 PM
Generated: 11/15/2024 2:59:39 PM

NFDHA
Sample: WG1997639-3,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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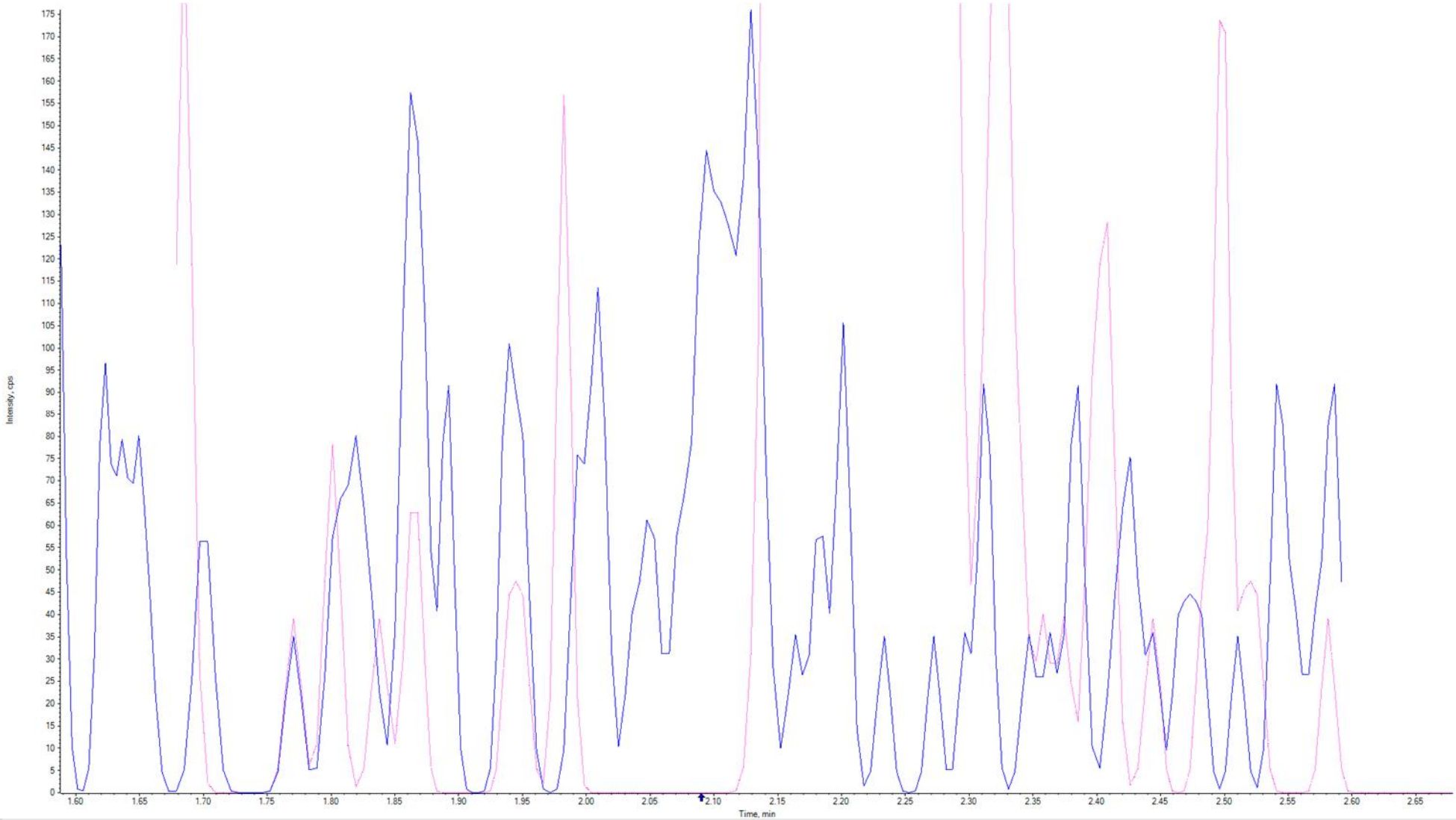
Last Altered: 11/15/2024 3:30:10 PM
Generated: 11/15/2024 2:59:39 PM

NFDHA_2
Sample: WG1997639-3,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:30:10 PM
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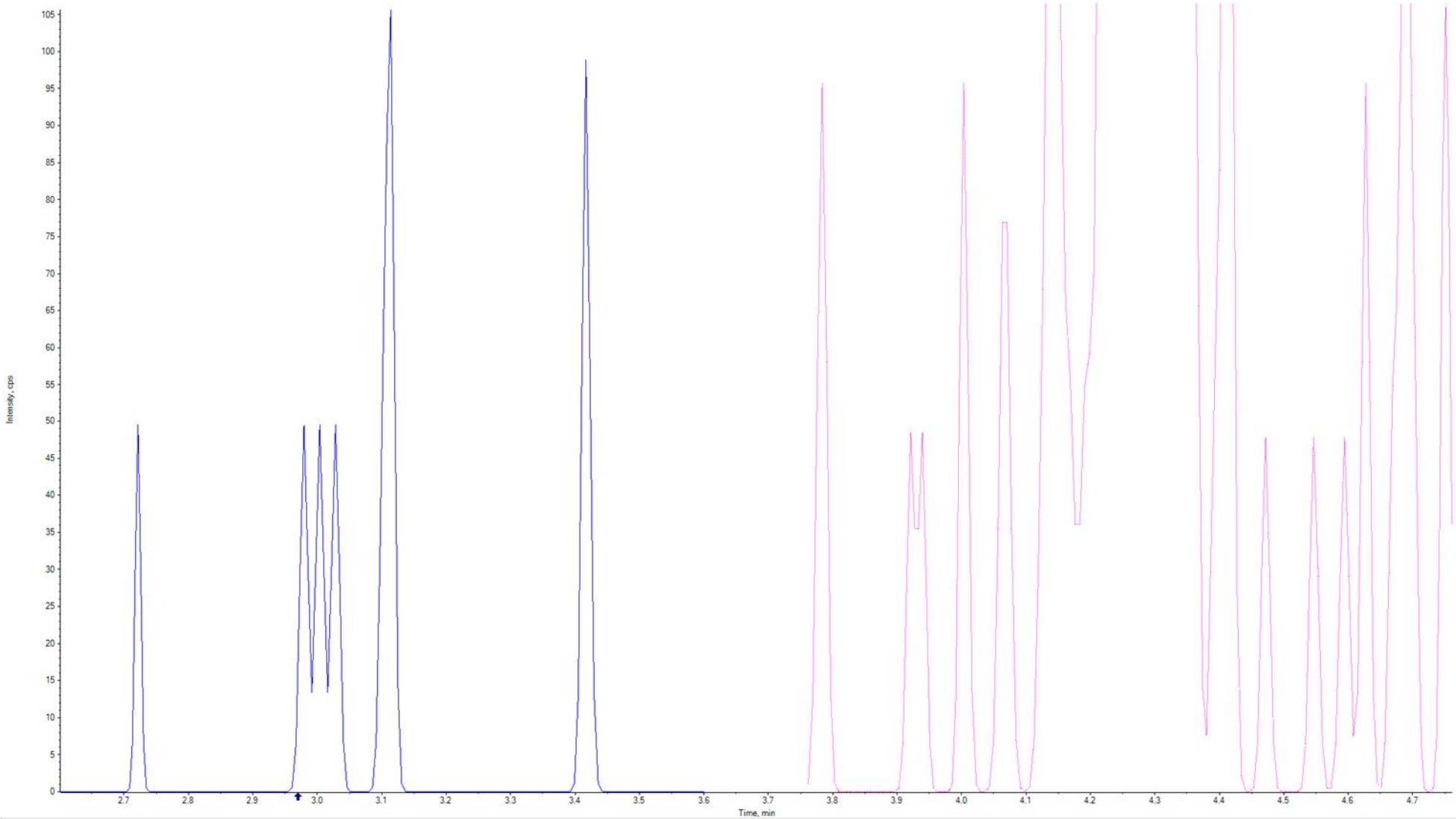
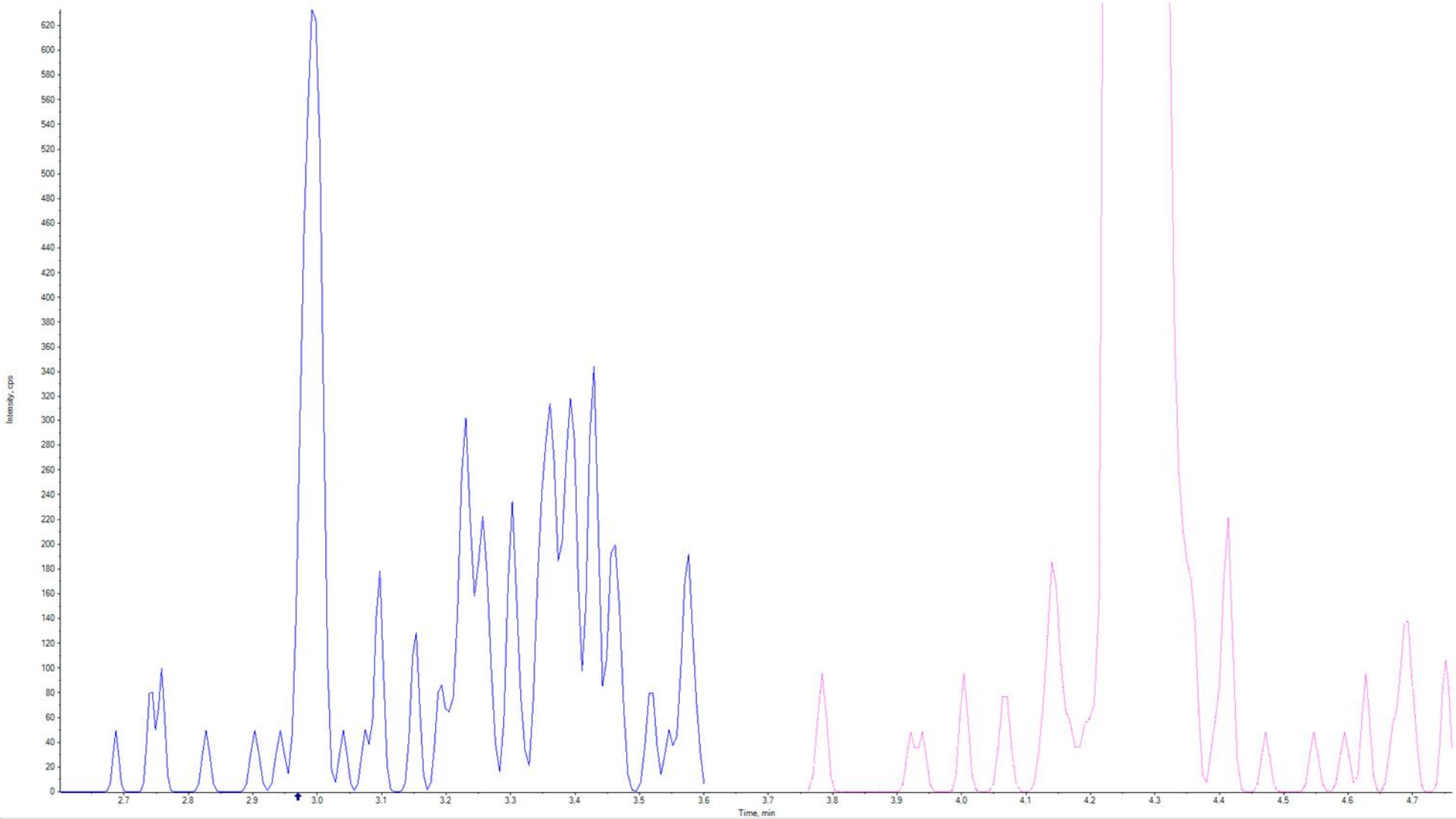
TDCA
Sample: WG1997639-3,INSTBLANK S/N:N/A Points Across peak:N/A



TDCA_2
Sample: WG1997639-3,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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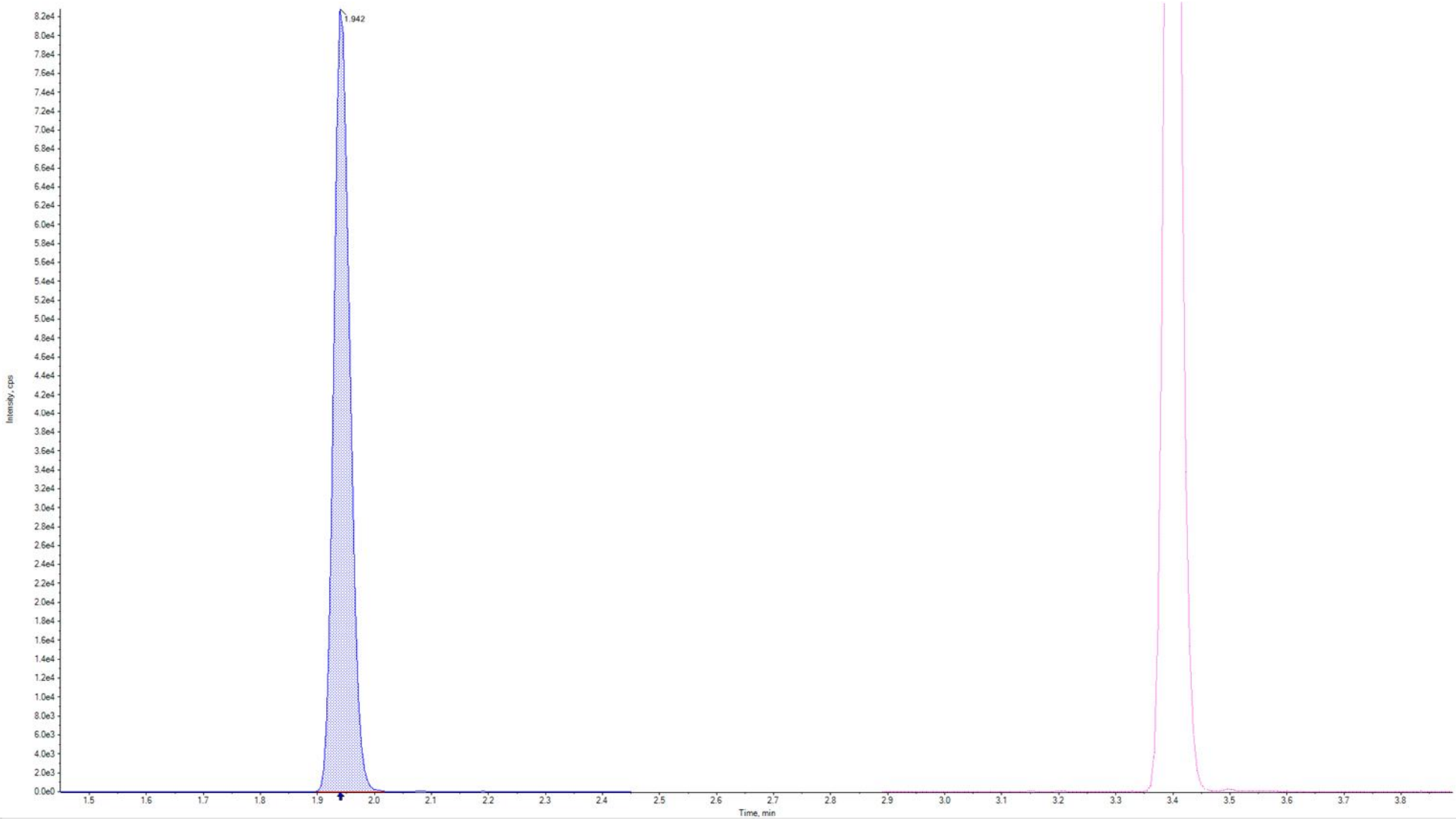
Last Altered: 11/15/2024 3:30:10 PM
Generated: 11/15/2024 2:59:39 PM

13C2D4-4:2FTS
Sample: WG1997639-3,INSTBLANK S/N:3112.7 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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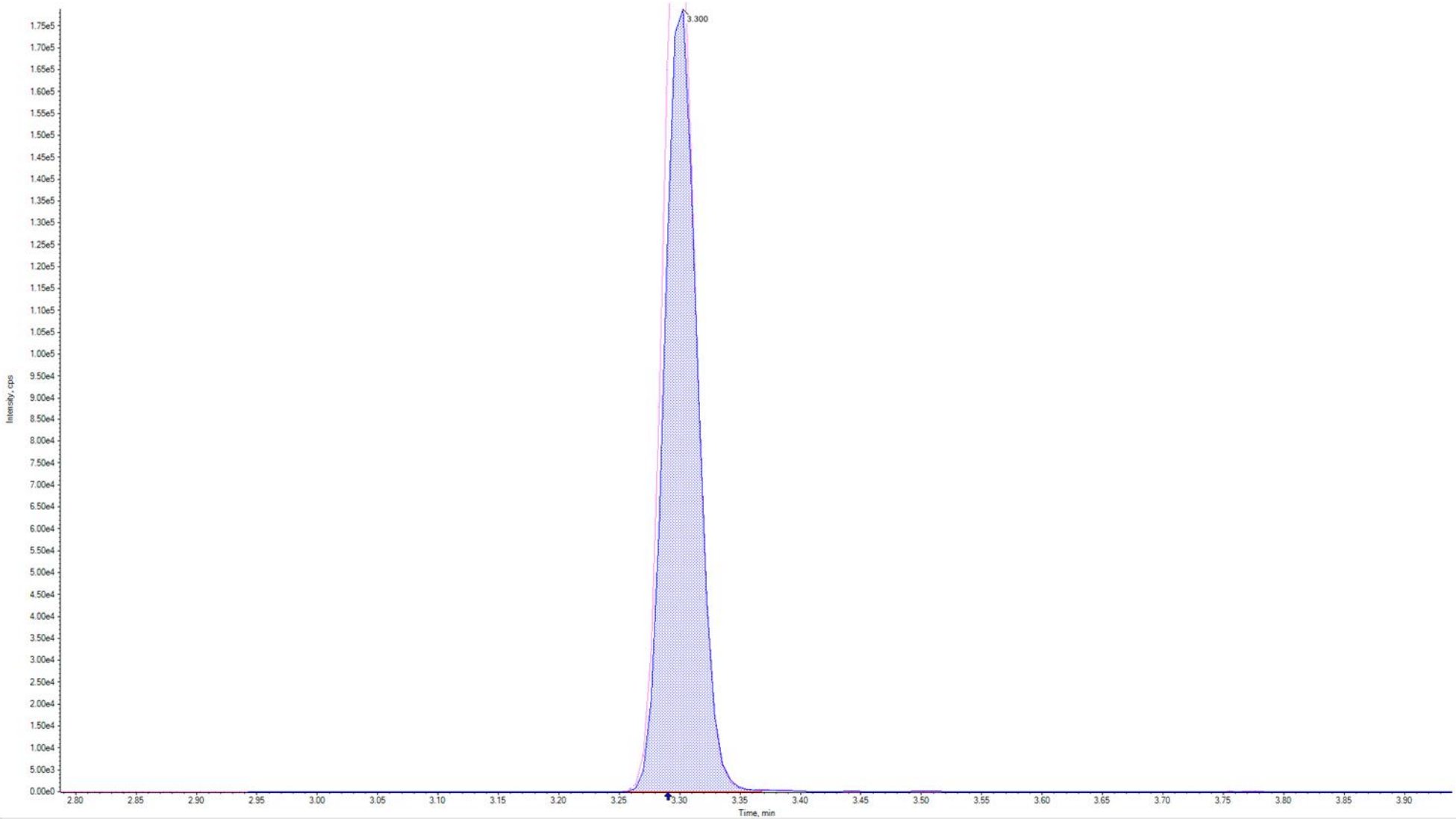
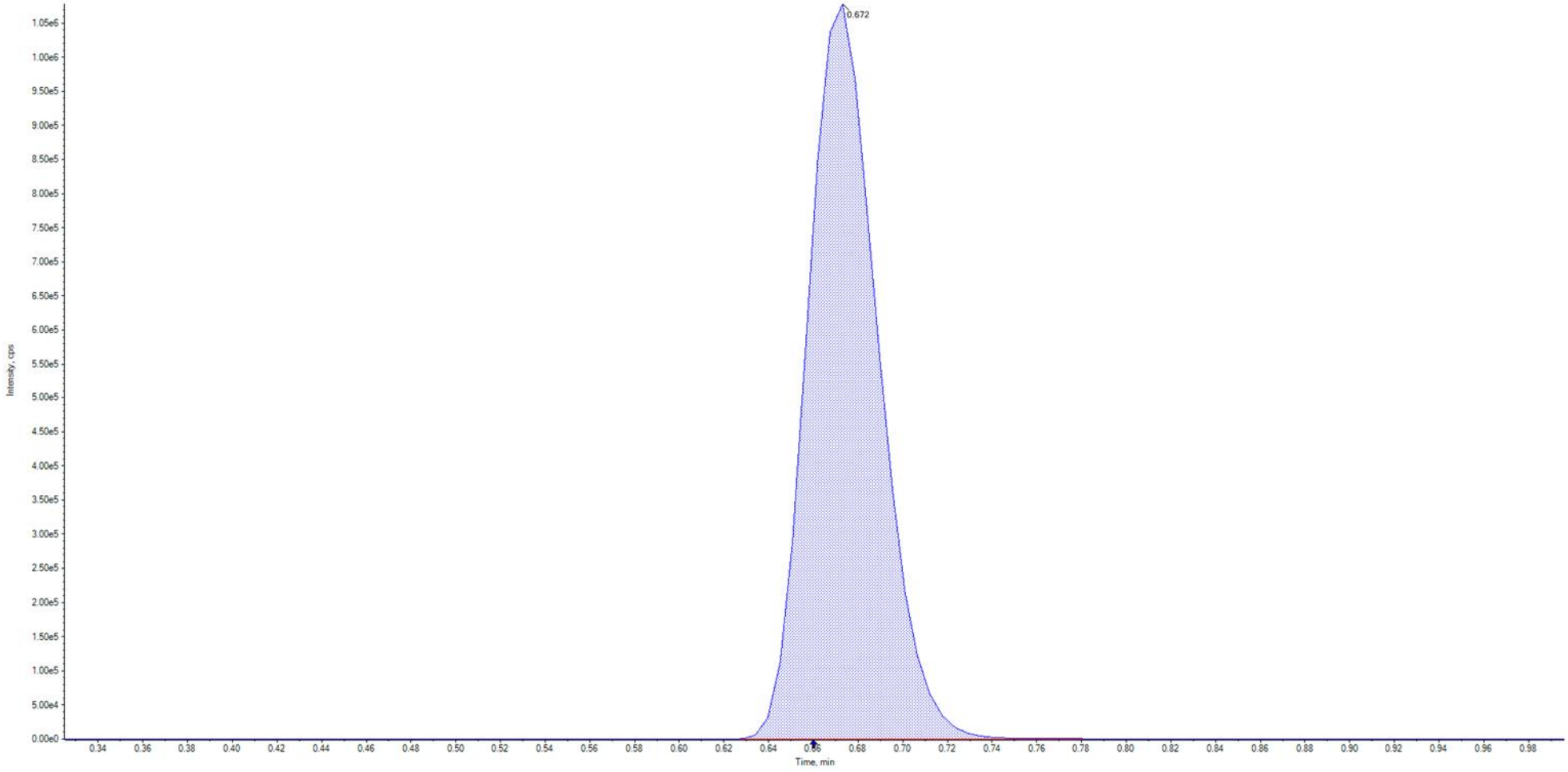
Last Altered: 11/15/2024 3:30:10 PM
Generated: 11/15/2024 2:59:39 PM

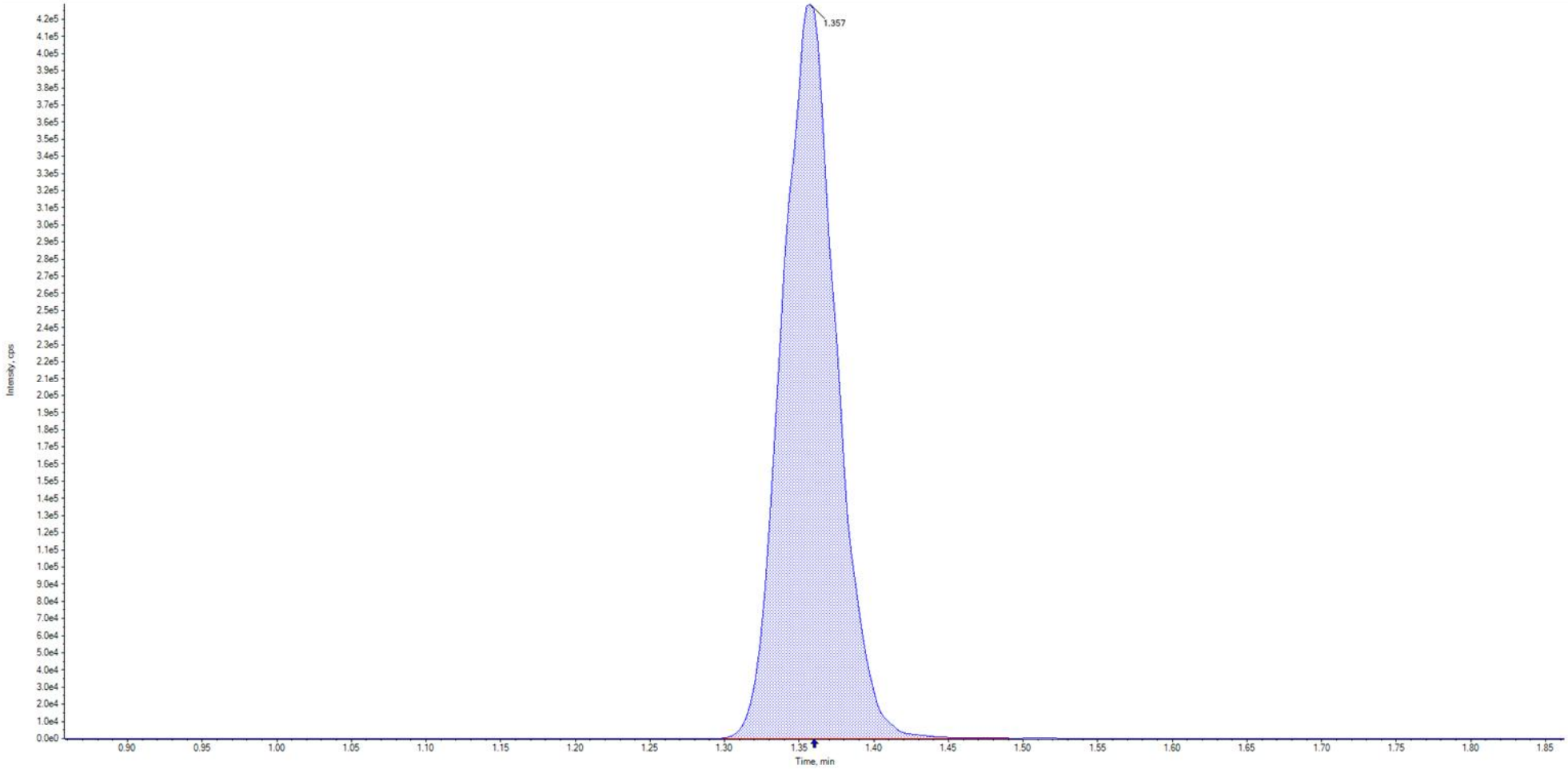
13C2-PFOA
Sample: WG1997639-3,INSTBLANK S/N:4034.4 Points Across peak:24



13C4-PFBA
Sample: WG1997639-3,INSTBLANK



13C5-PFPeA
Sample: WG1997639-3,INSTBLANK



13C5-PFHxA
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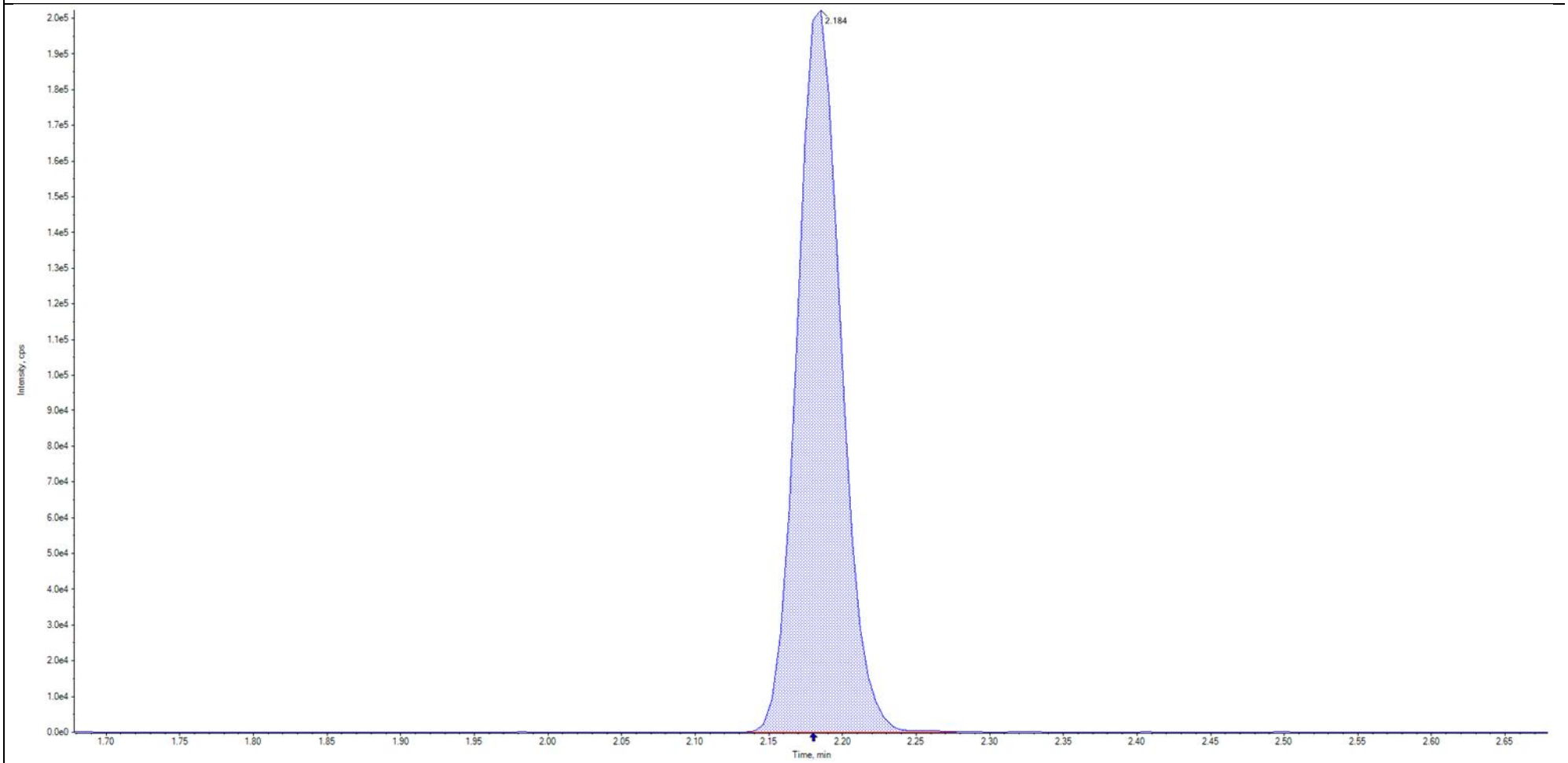
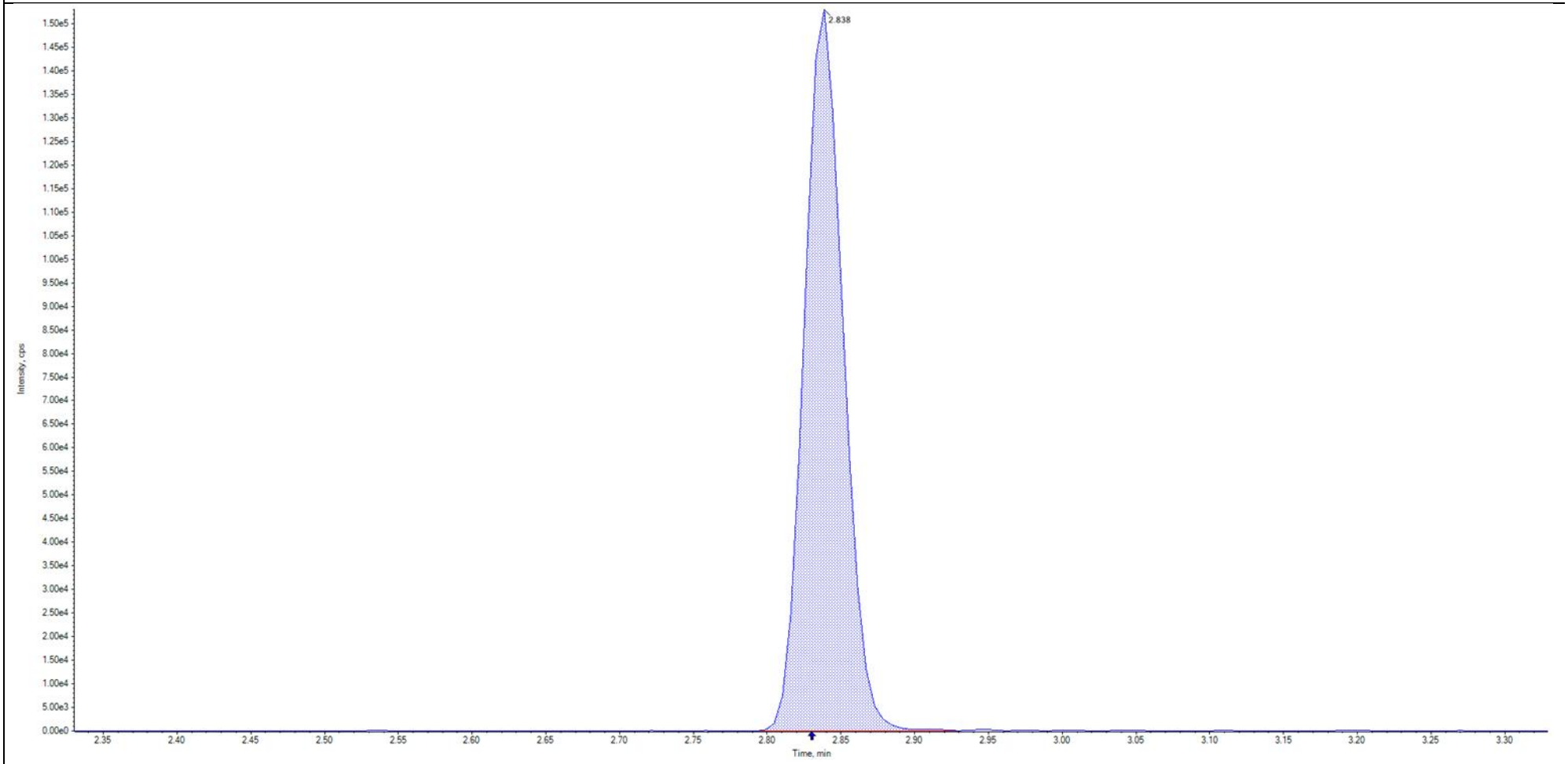
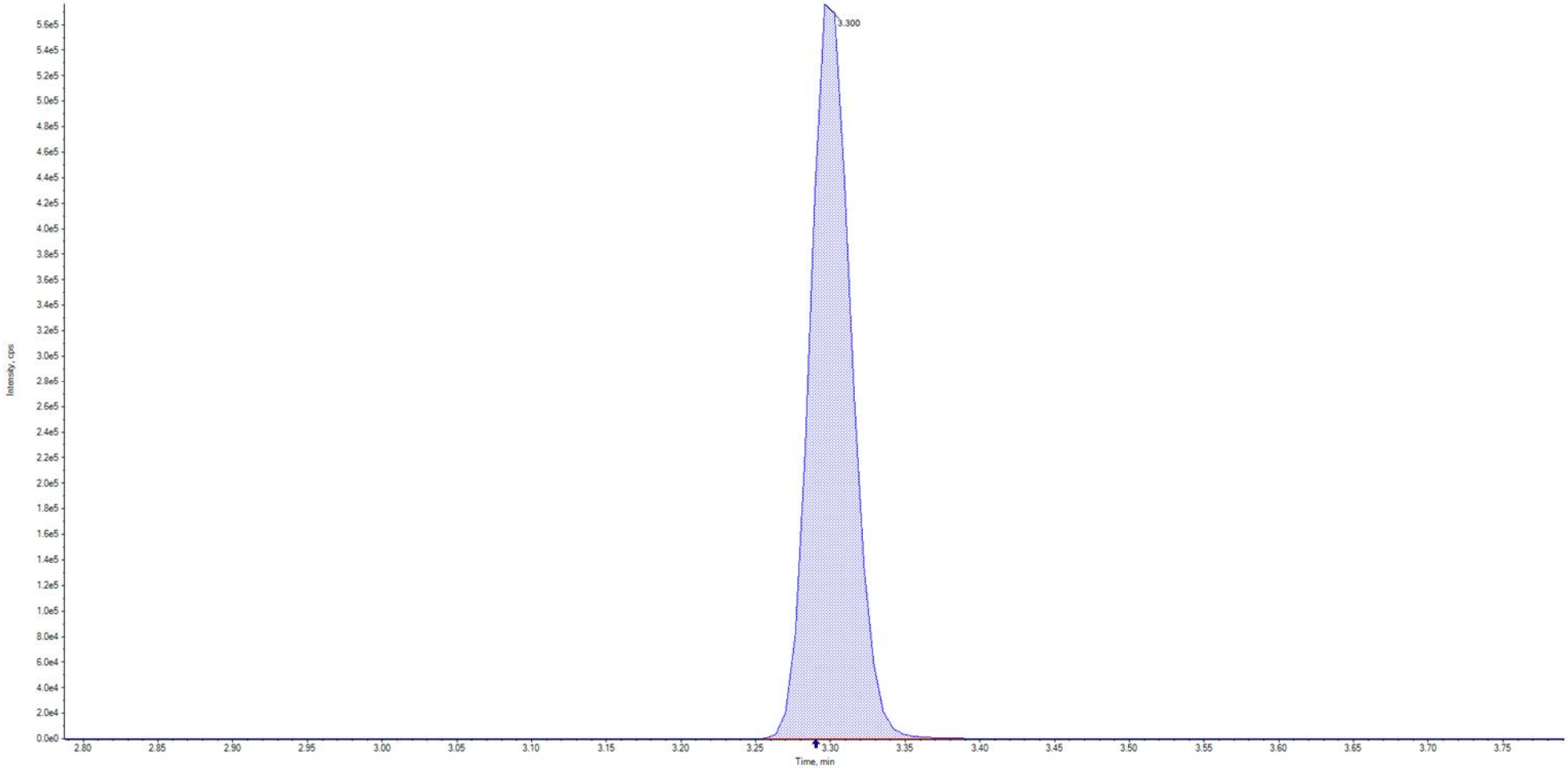


13C4-PFHpA
Sample: WG1997639-3,INSTBLANK



13C8-PFOA
Sample: WG1997639-3,INSTBLANK



13C9-PFNA
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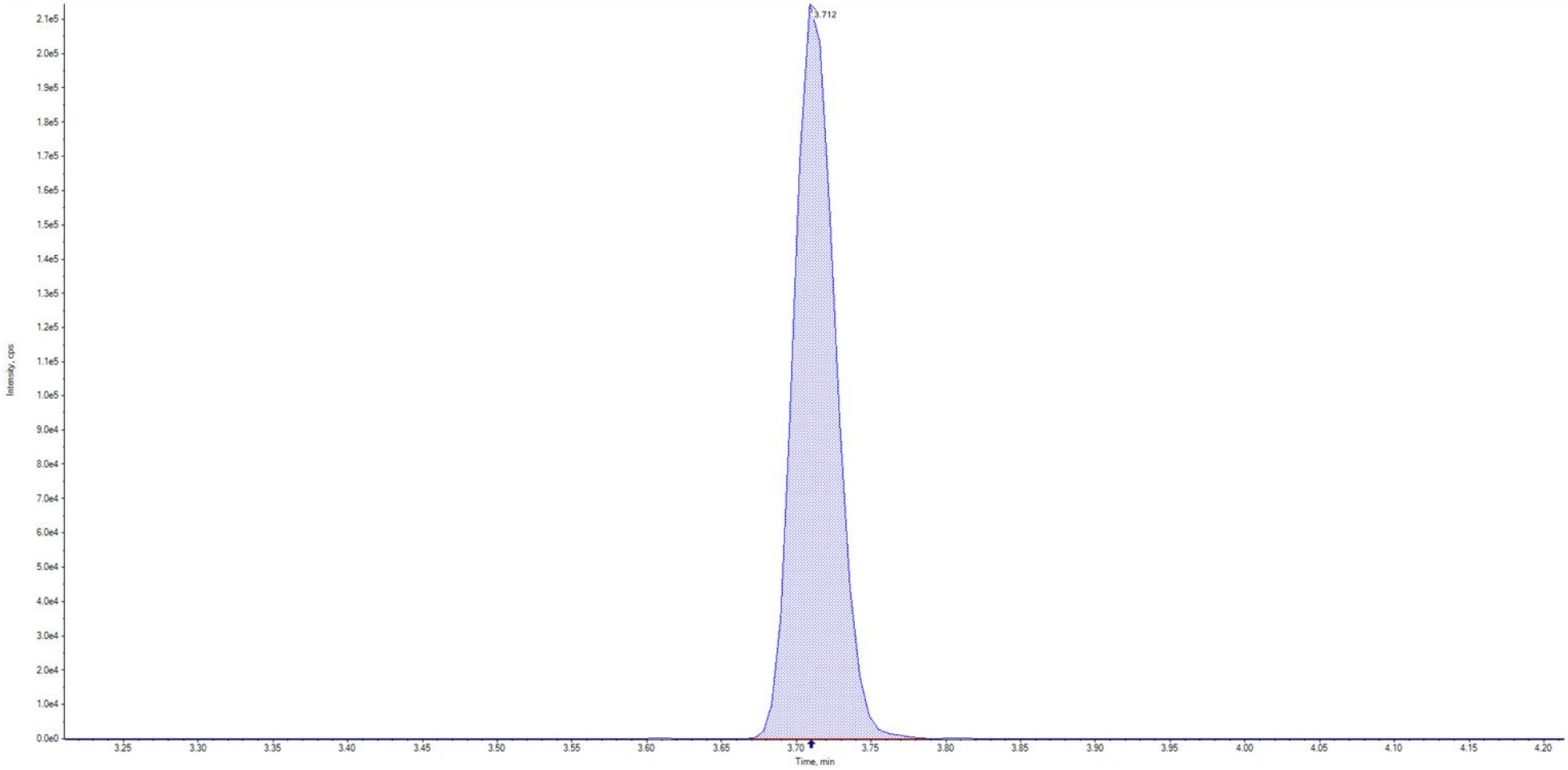

13C6-PFDA
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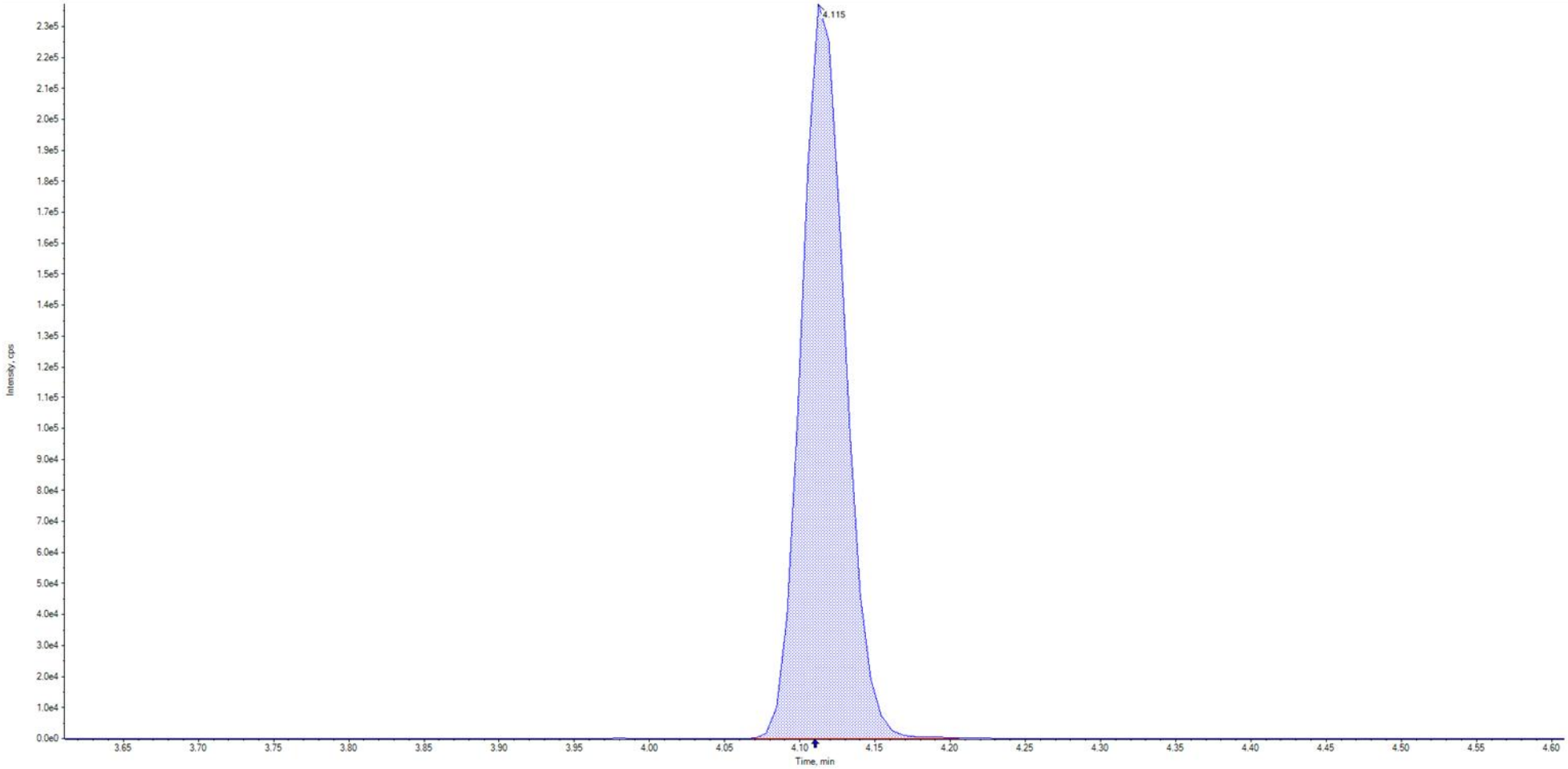
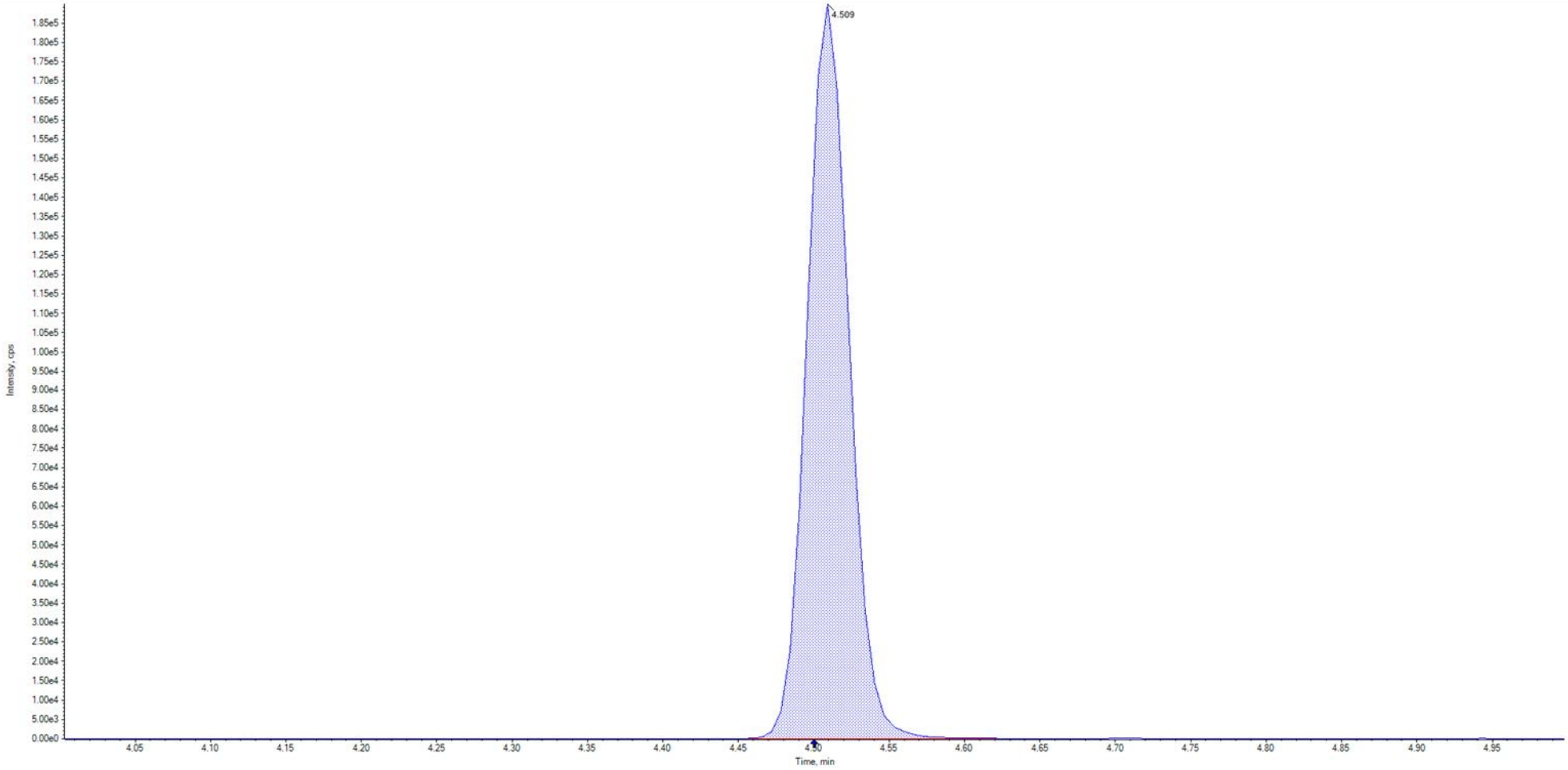
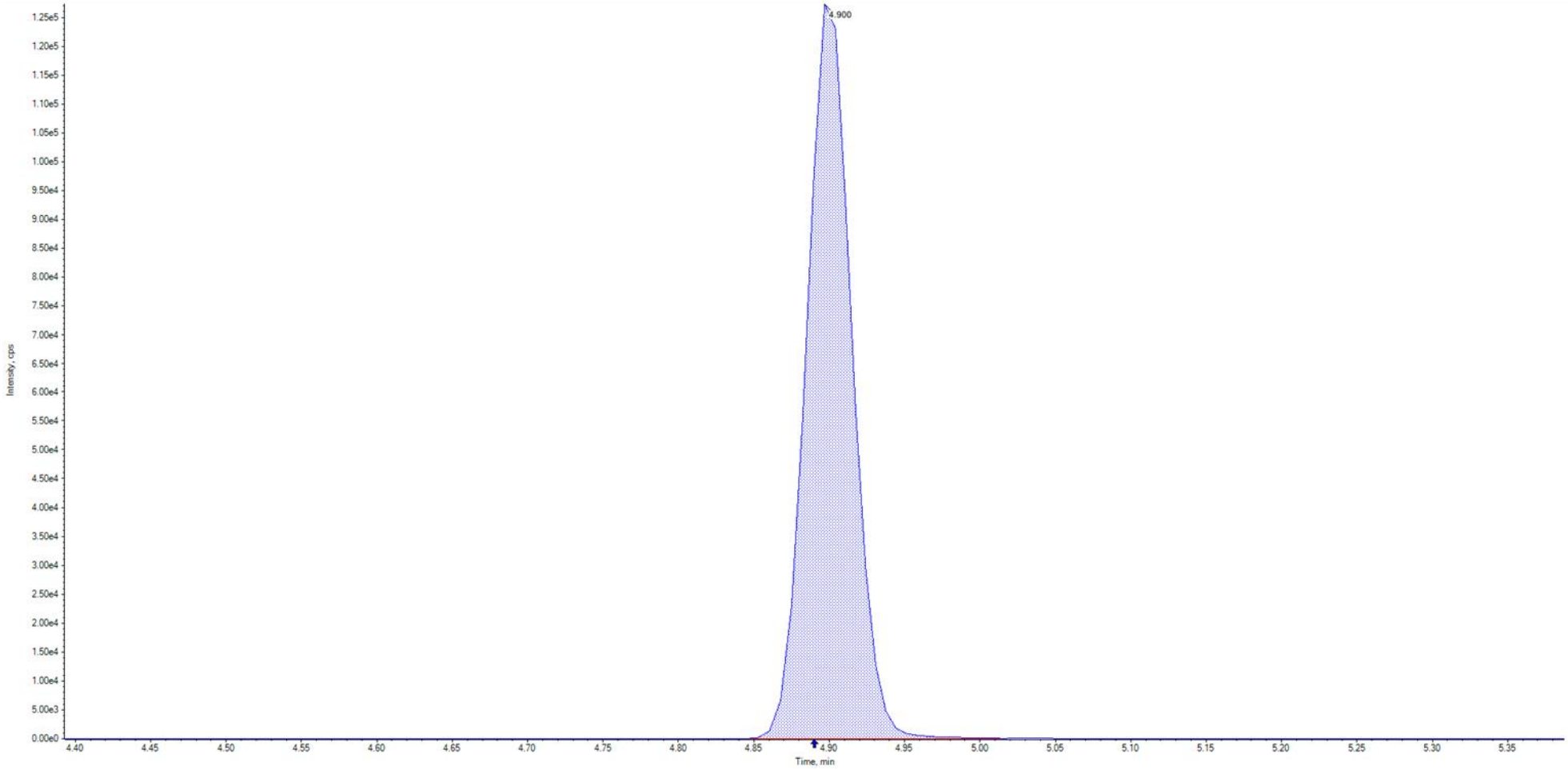


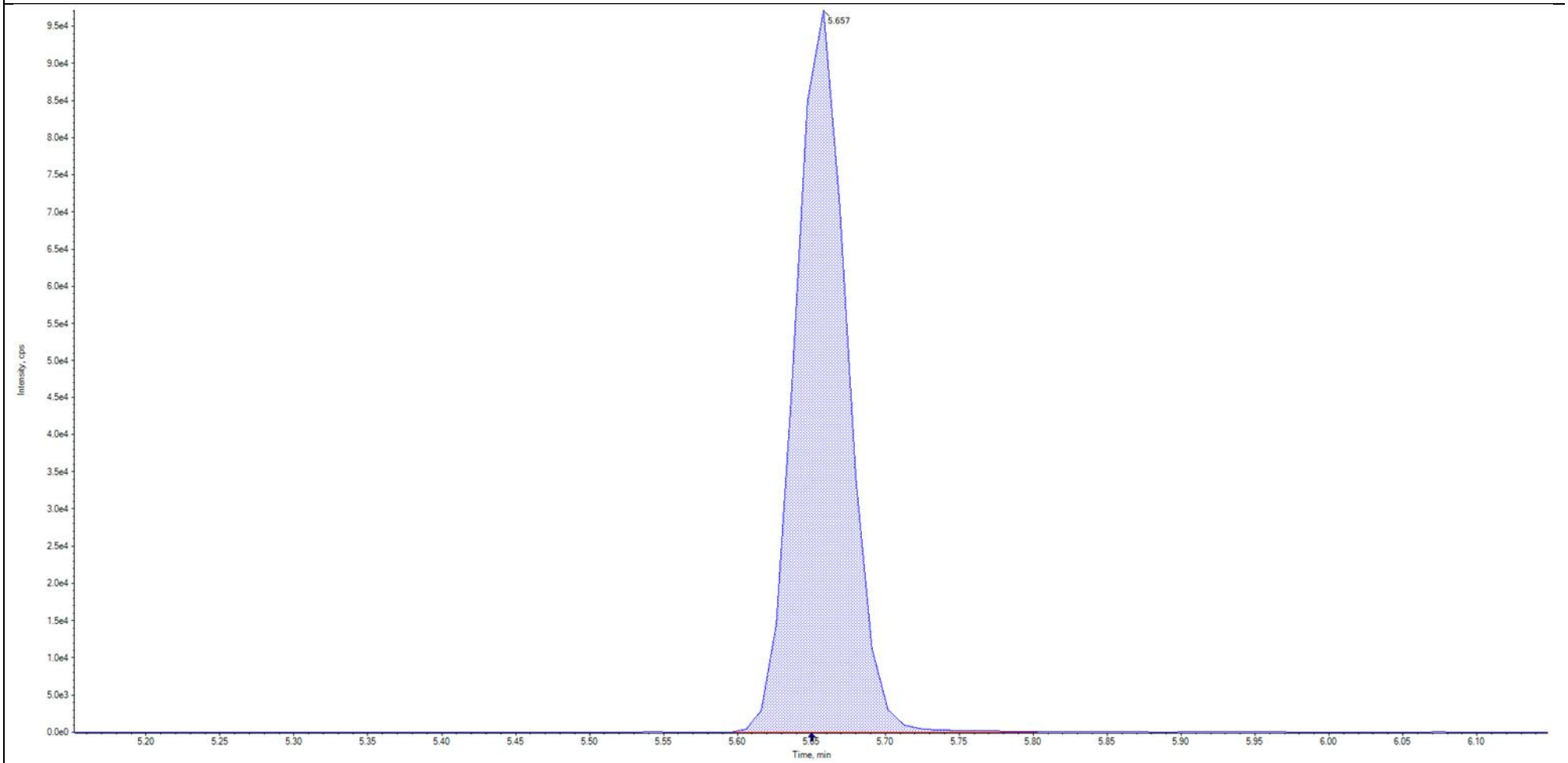
13C7-PFUnA
Sample: WG1997639-3,INSTBLANK



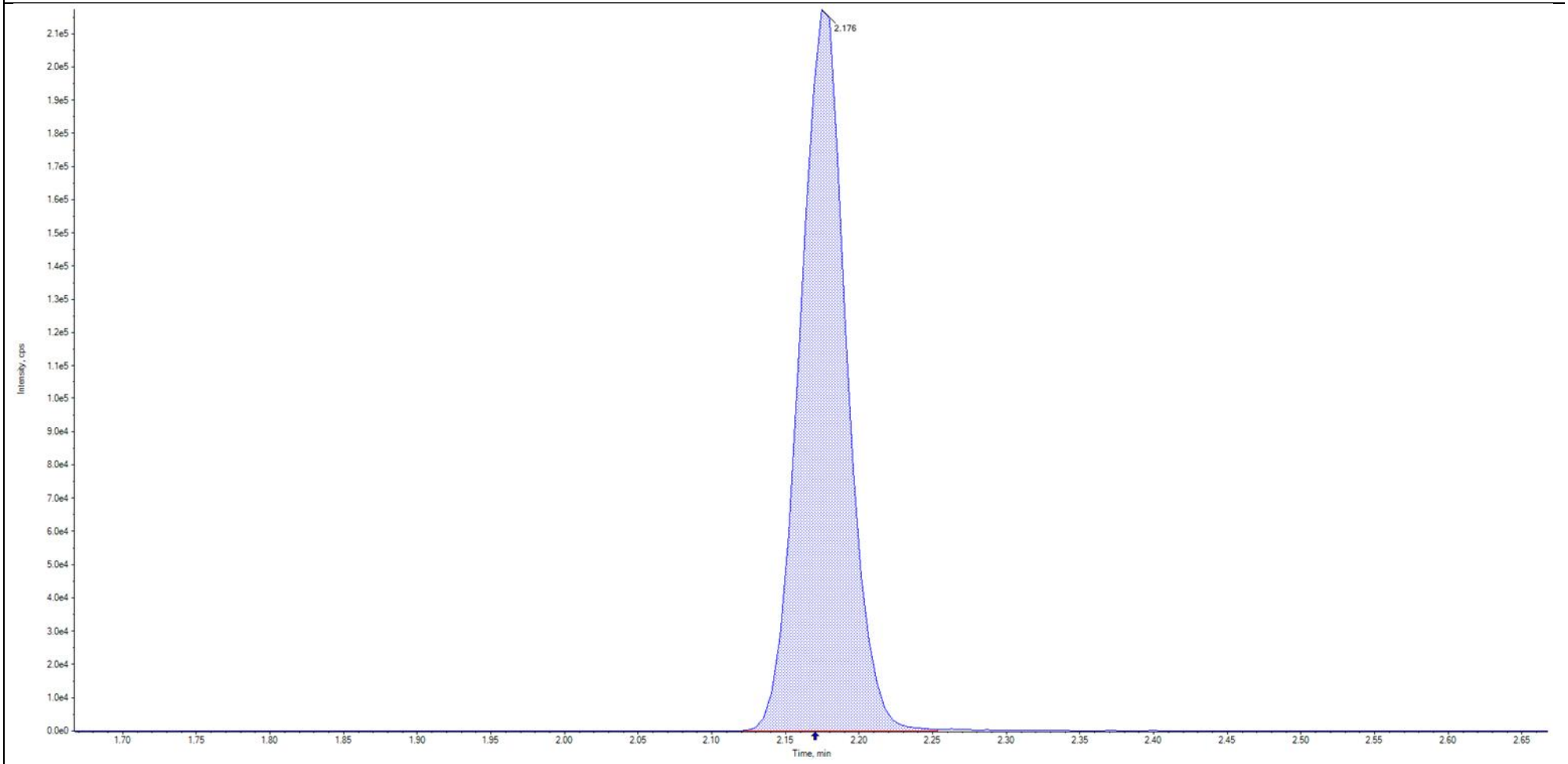
13C2-PFDoA
Sample: WG1997639-3,INSTBLANK



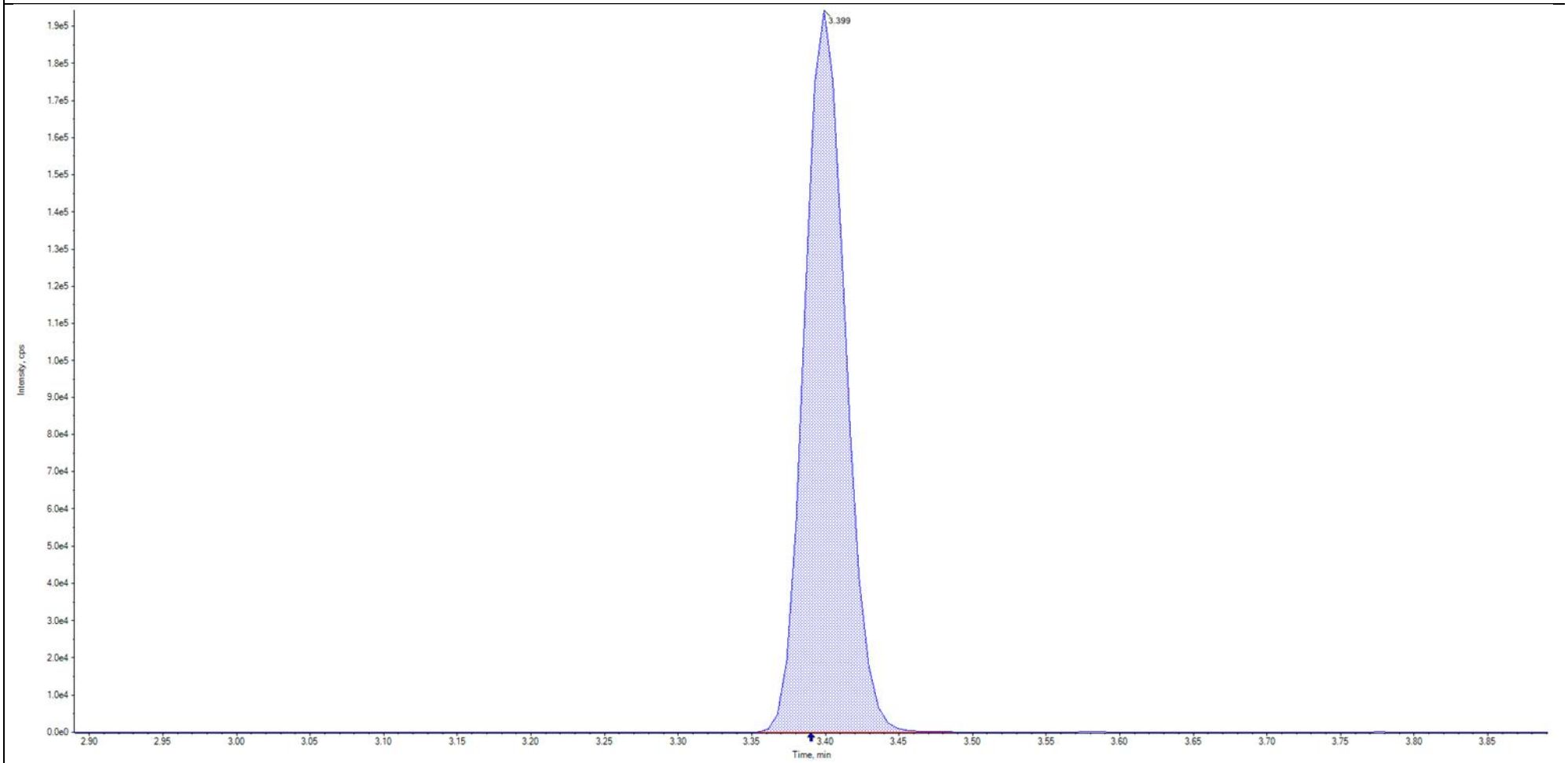
13C2-PFTeDA
Sample: WG1997639-3,INSTBLANK



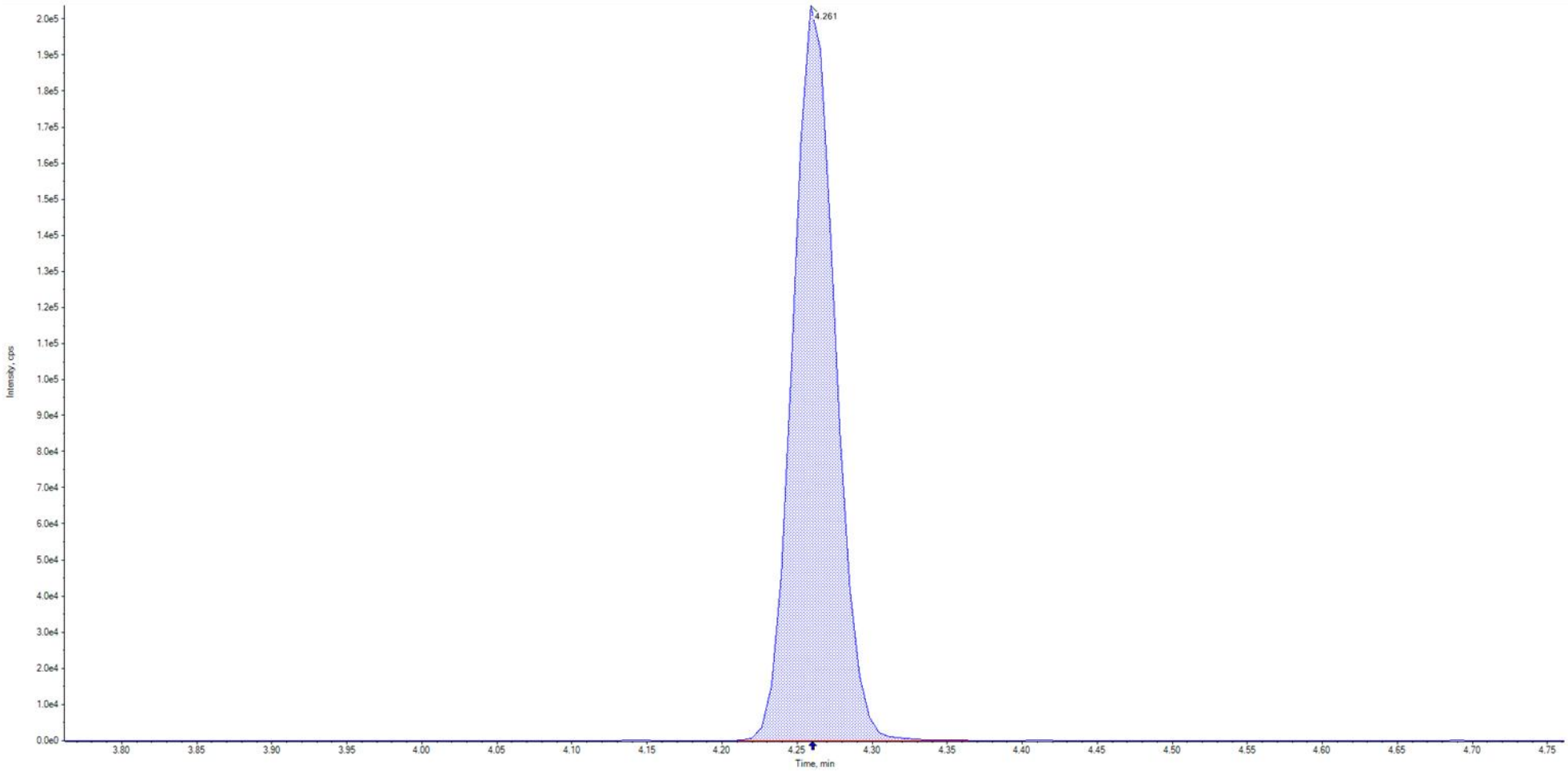
13C3-PFBS
Sample: WG1997639-3,INSTBLANK



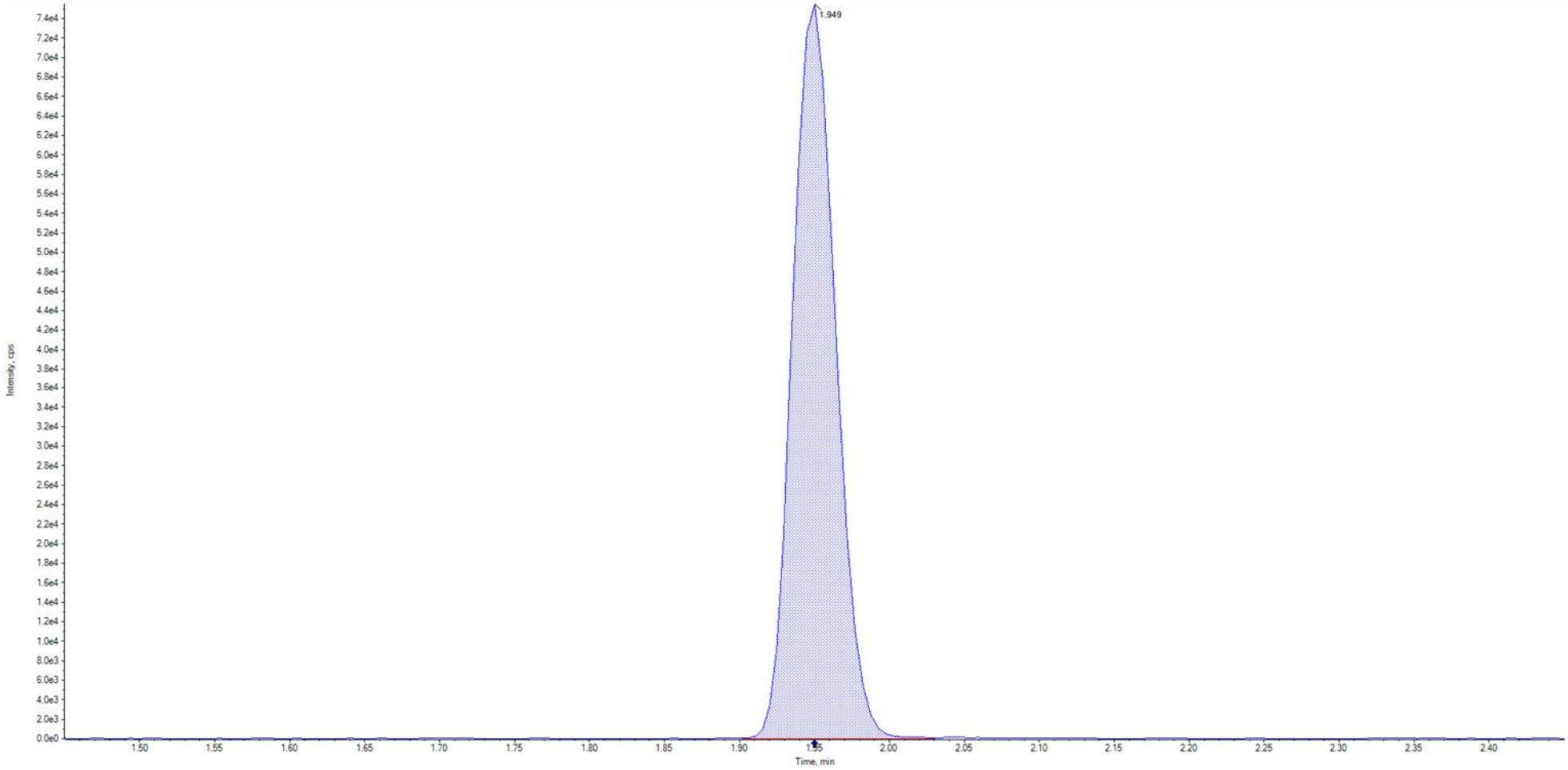
13C3-PFHxS
Sample: WG1997639-3,INSTBLANK



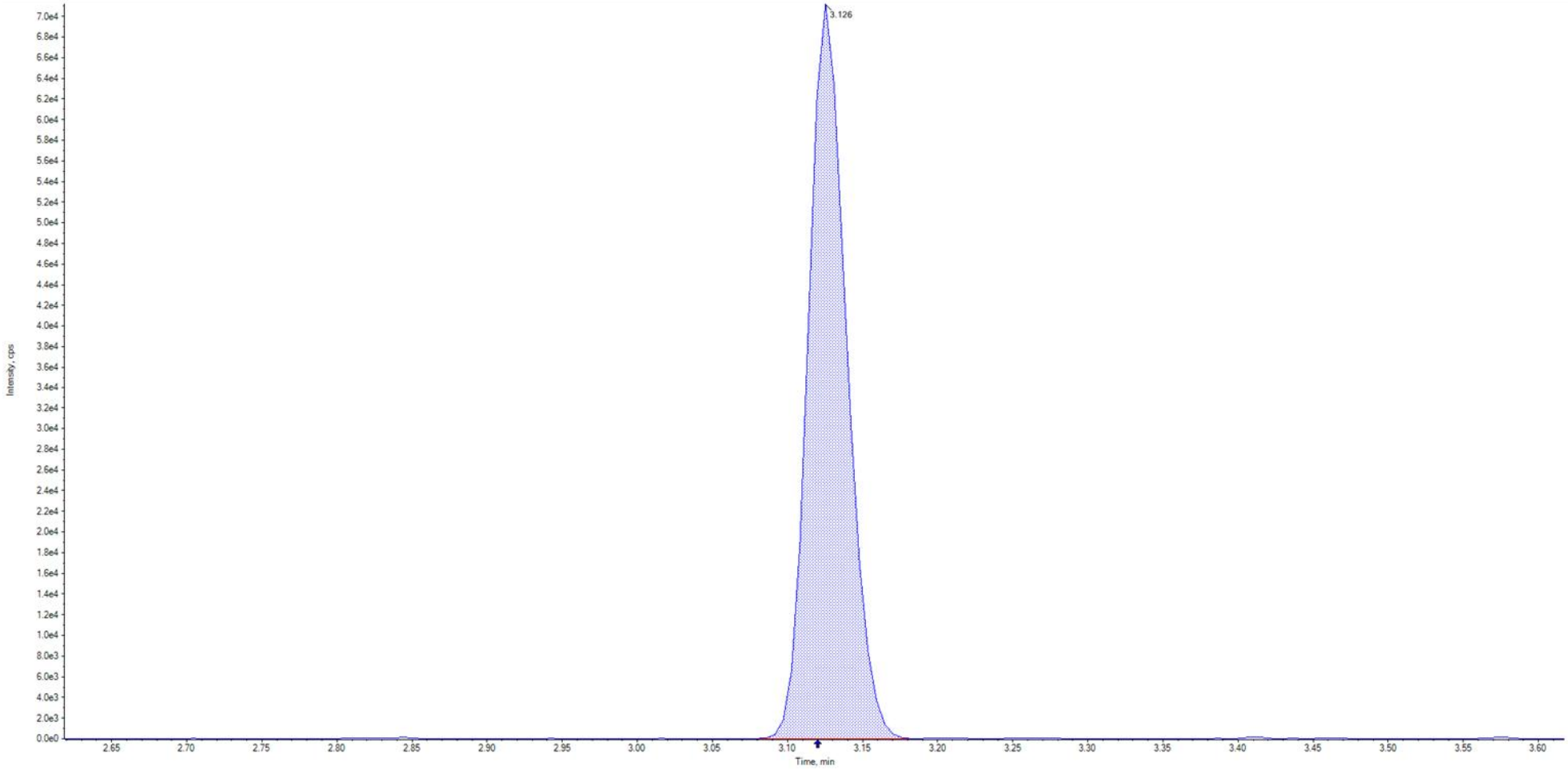
13C8-PFOS
Sample: WG1997639-3,INSTBLANK



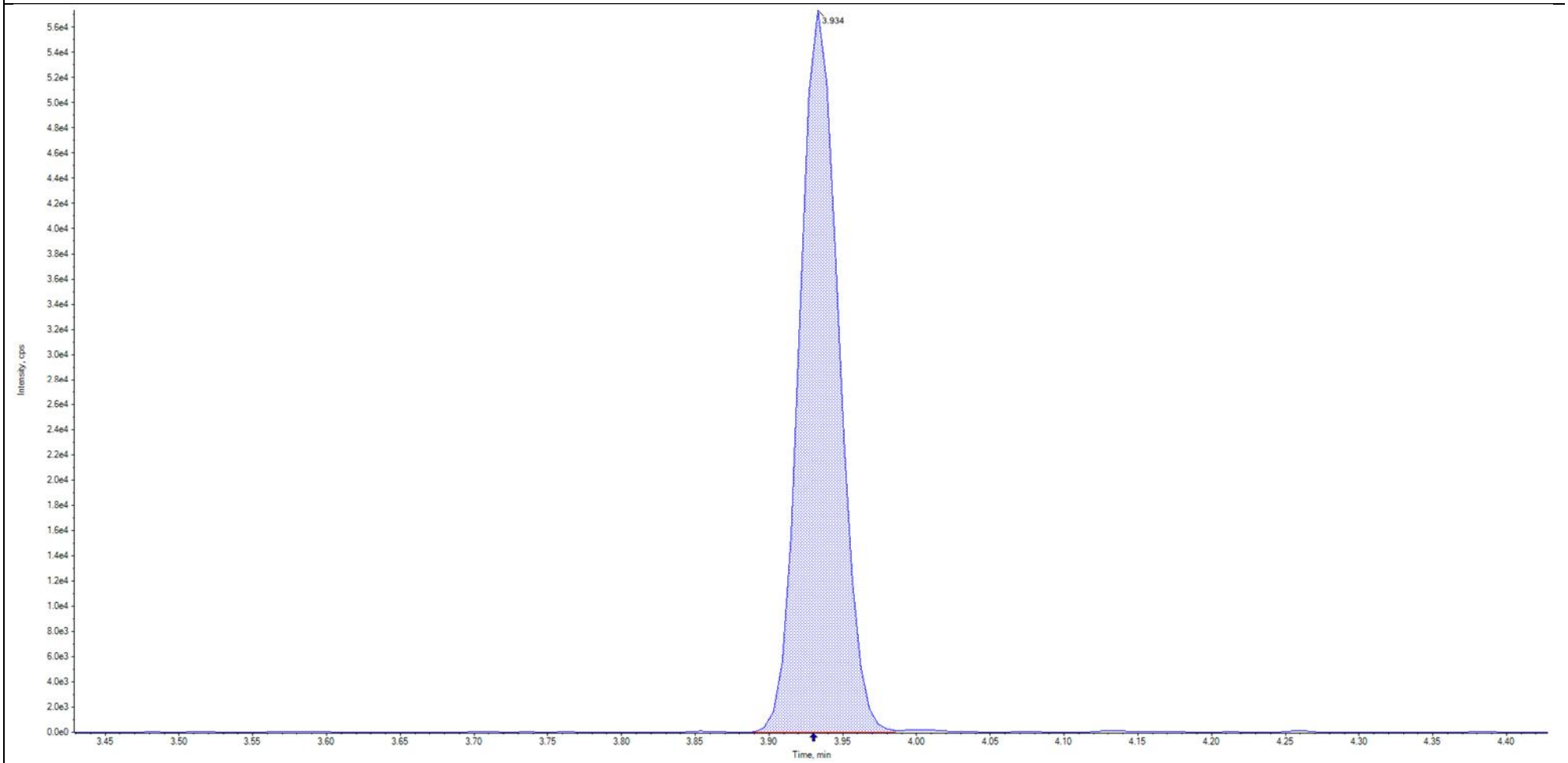
13C2-4:2FTS
Sample: WG1997639-3,INSTBLANK



13C2-6:2FTS
Sample: WG1997639-3,INSTBLANK



13C2-8:2FTS
Sample: WG1997639-3,INSTBLANK



13C8-PFOSA
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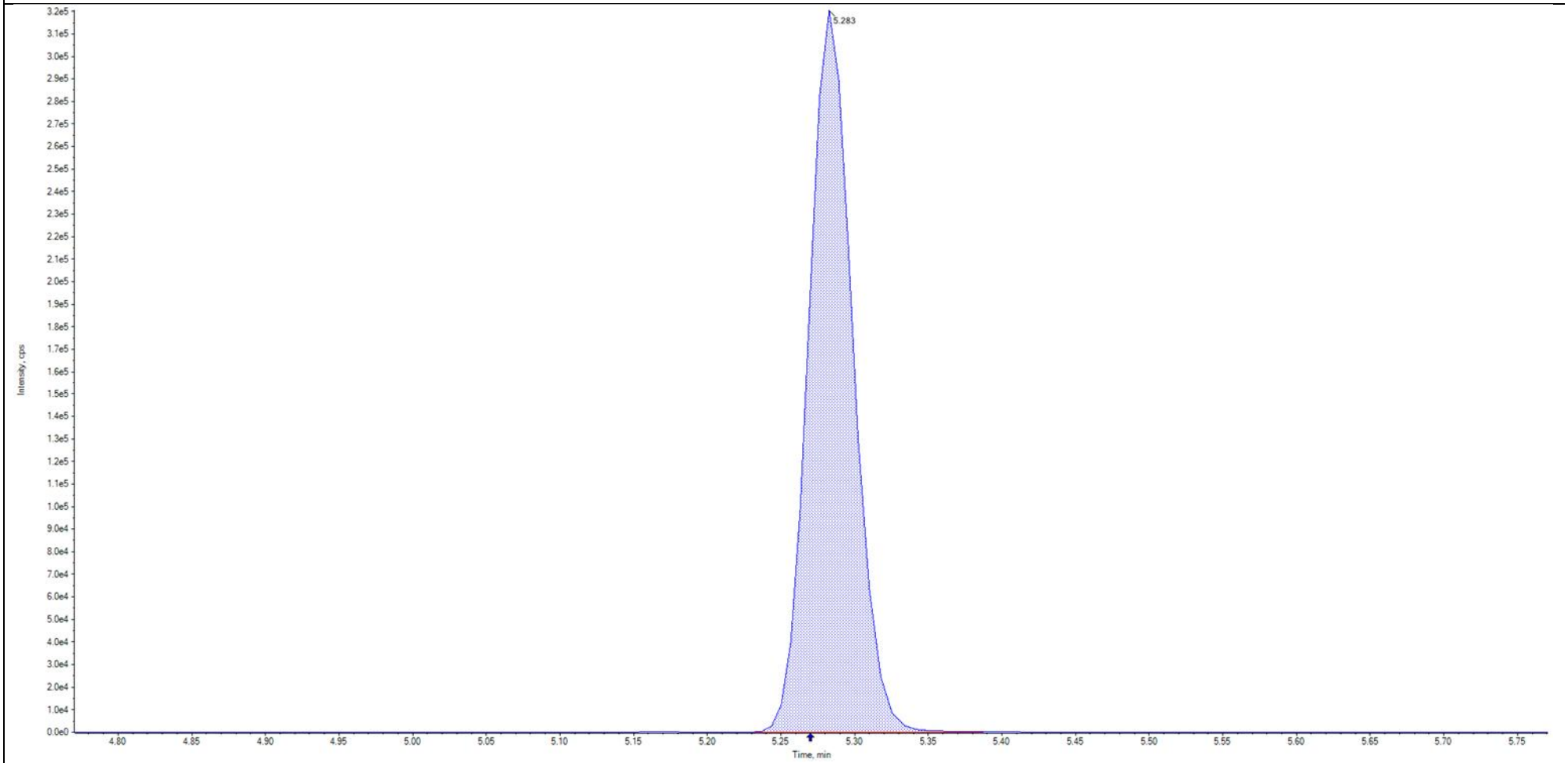
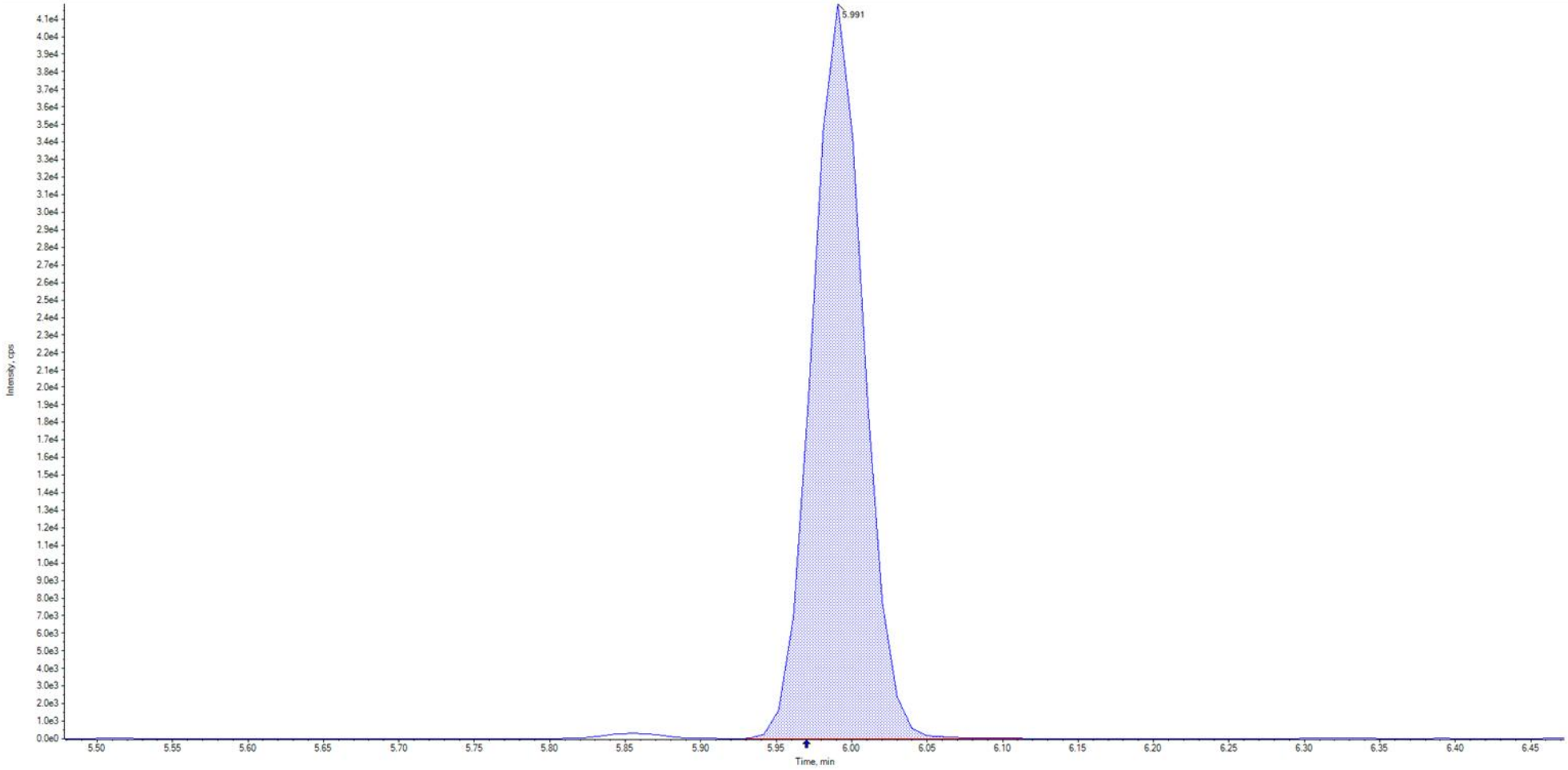
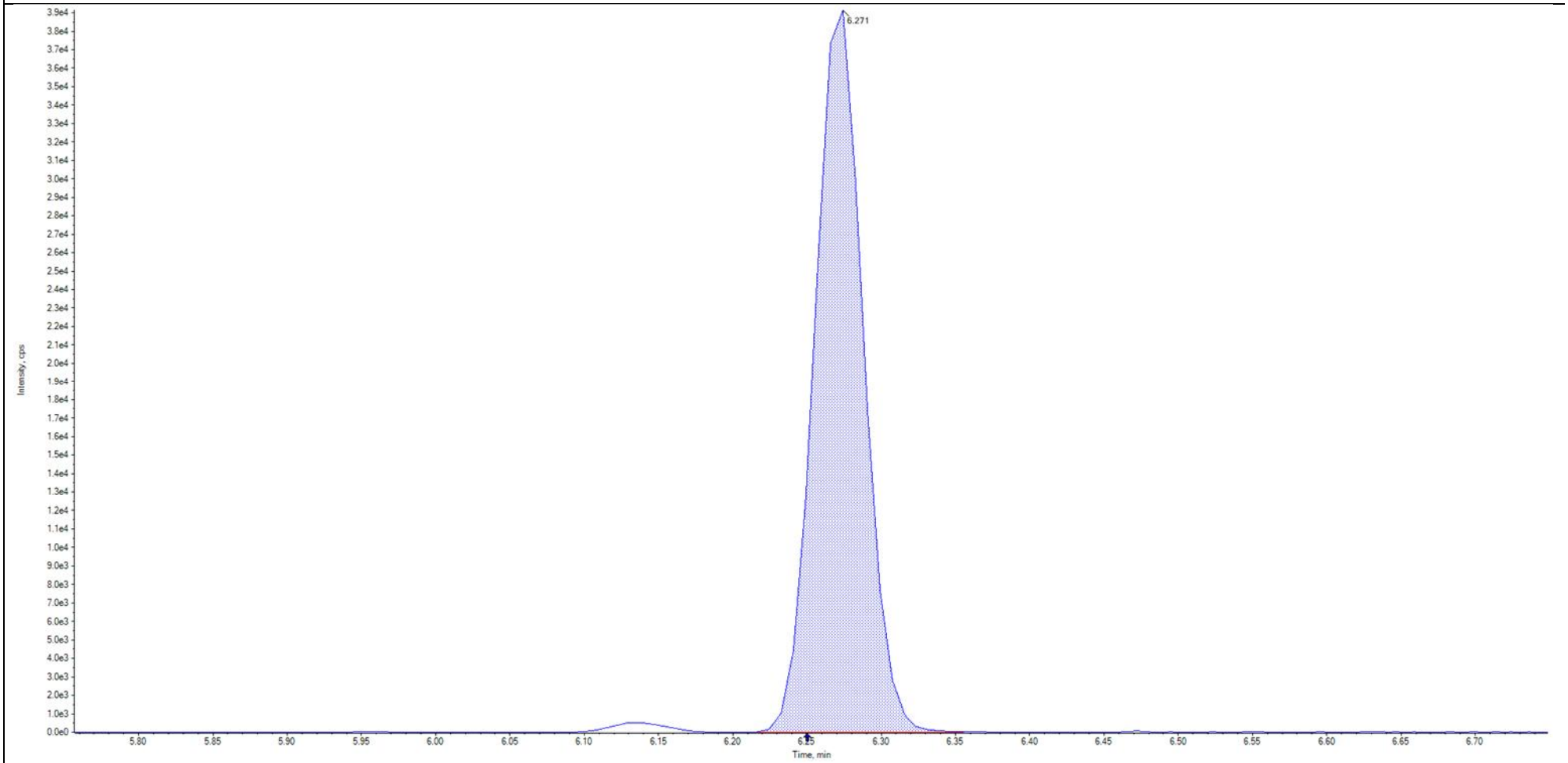


d3-NMeFOSA
Sample: WG1997639-3,INSTBLANK



d5-NEtFOSA
Sample: WG1997639-3,INSTBLANK



d3-NMeFOSAA
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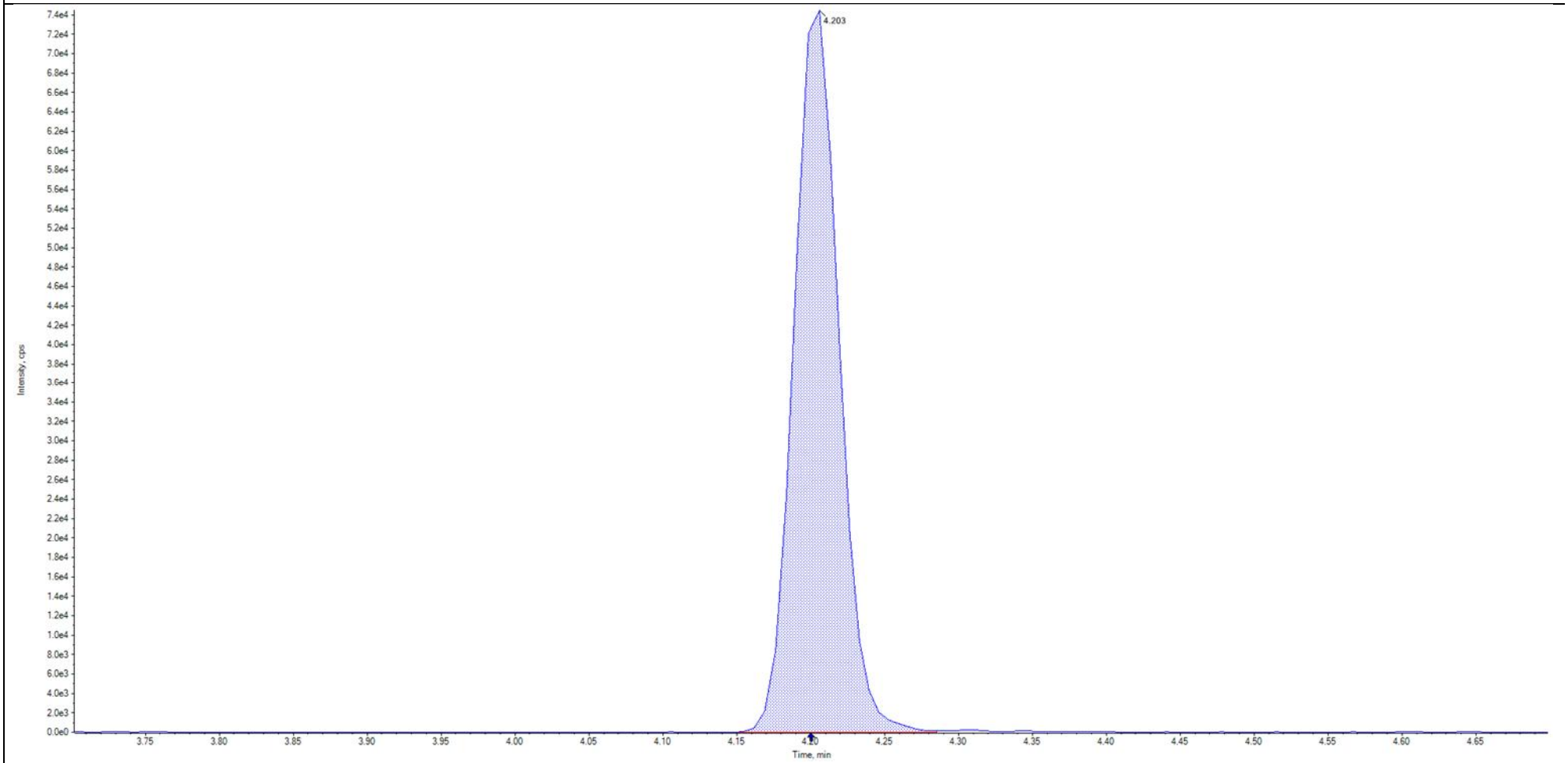

d5-NEtFOSAA
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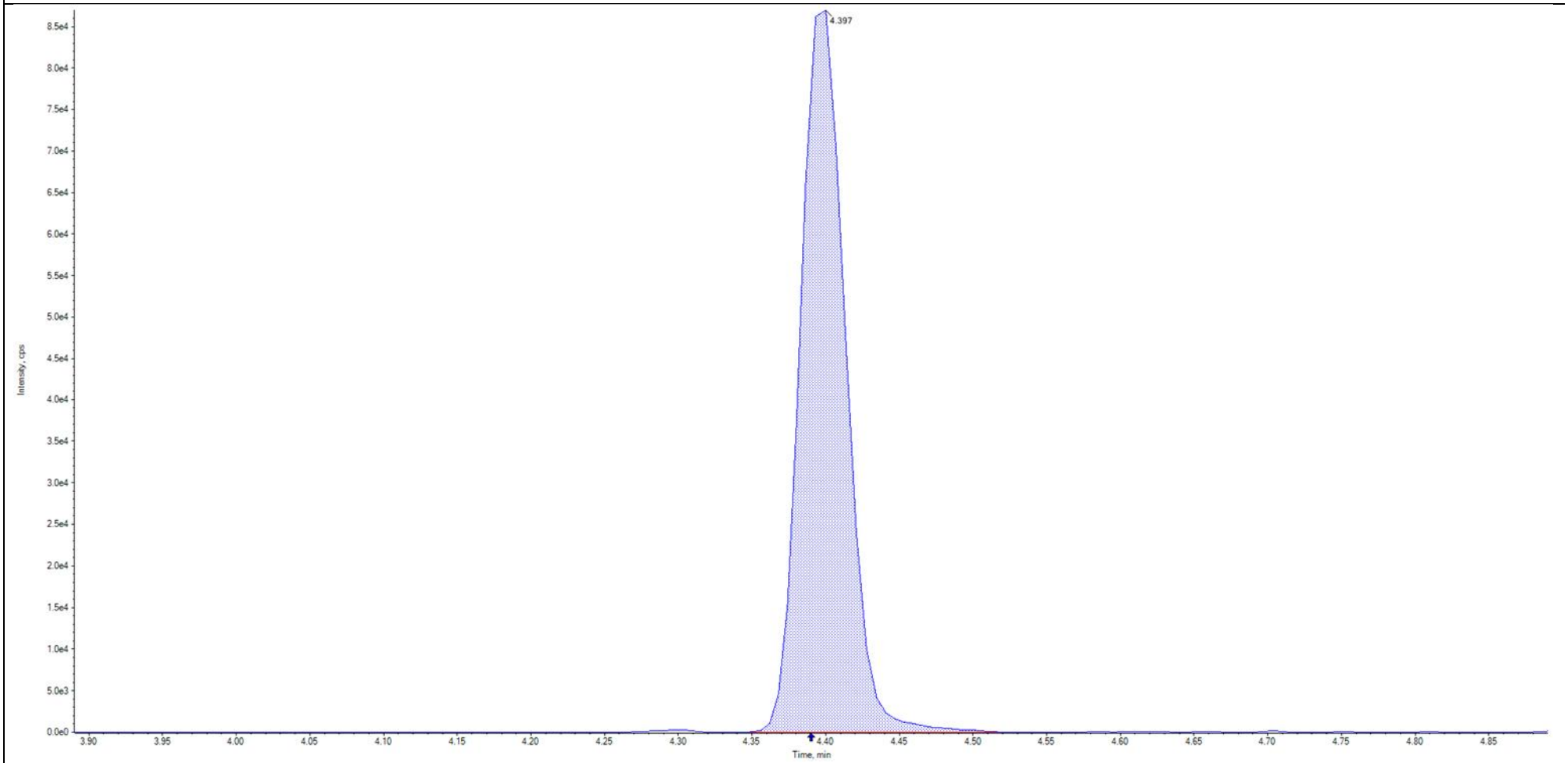

d7-NMeFOSE
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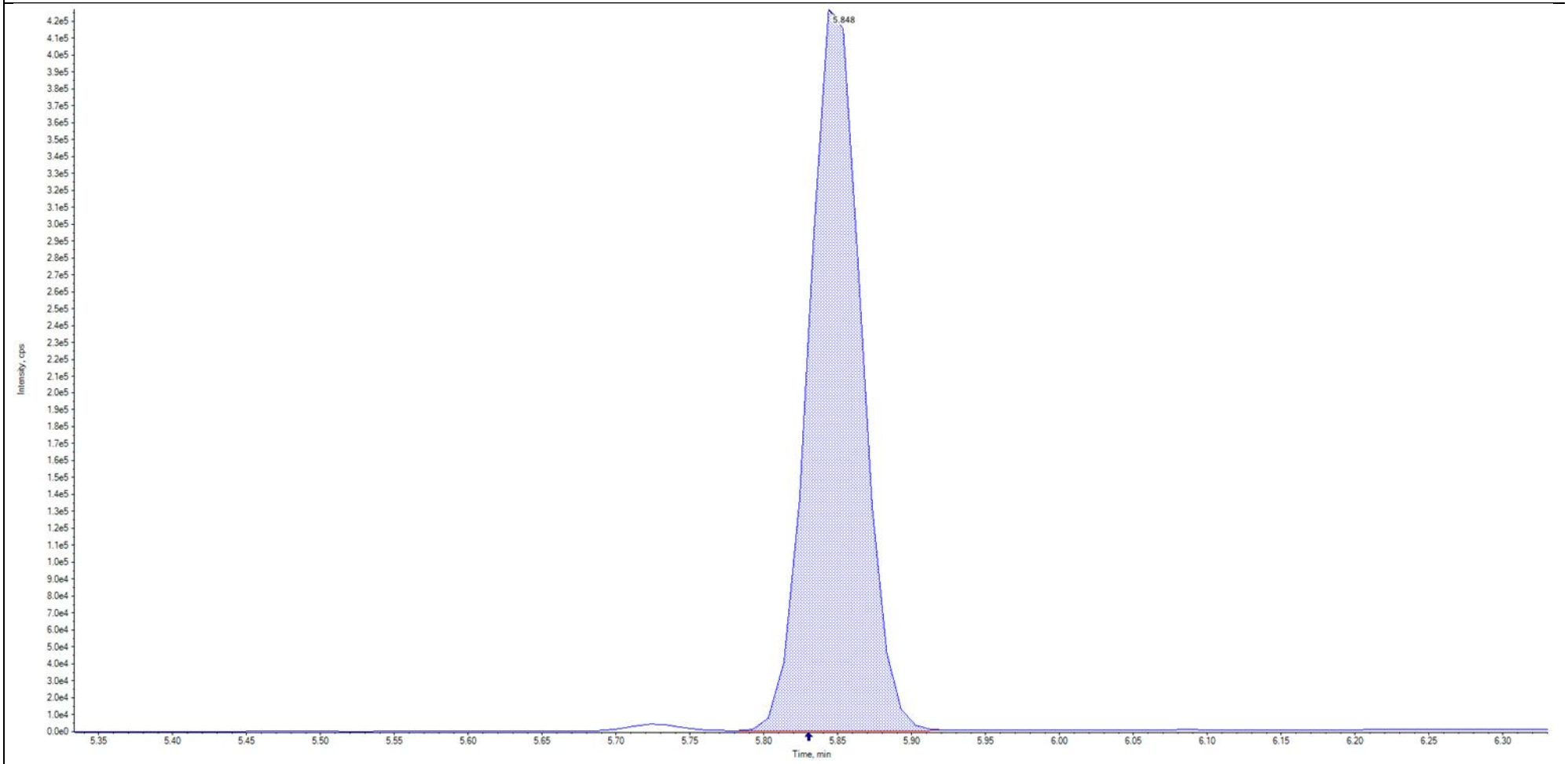
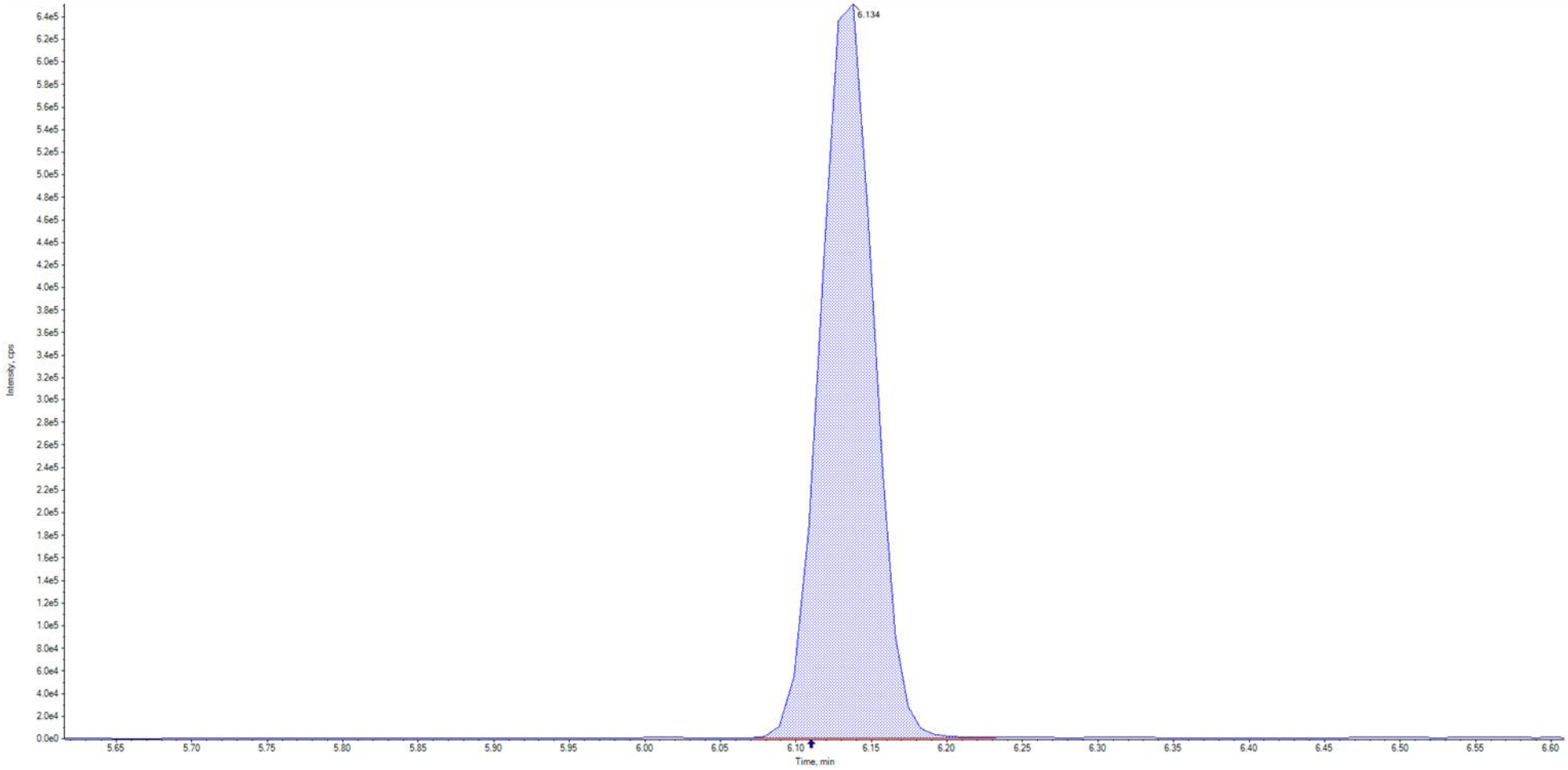
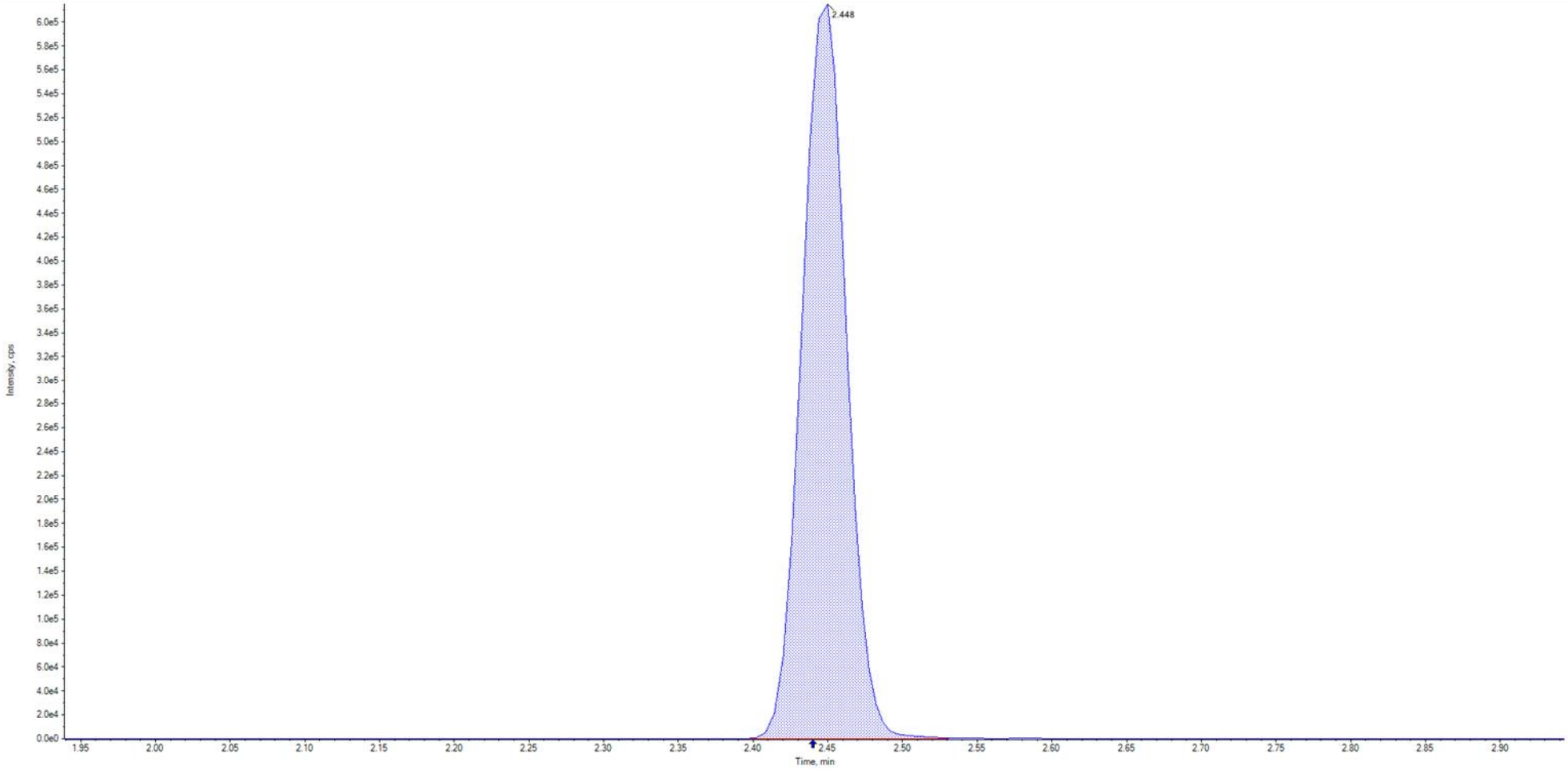


d9-NEtFOSE
Sample: WG1997639-3,INSTBLANK



13C3-HFPO-DA
Sample: WG1997639-3,INSTBLANK



13C3-PFBA
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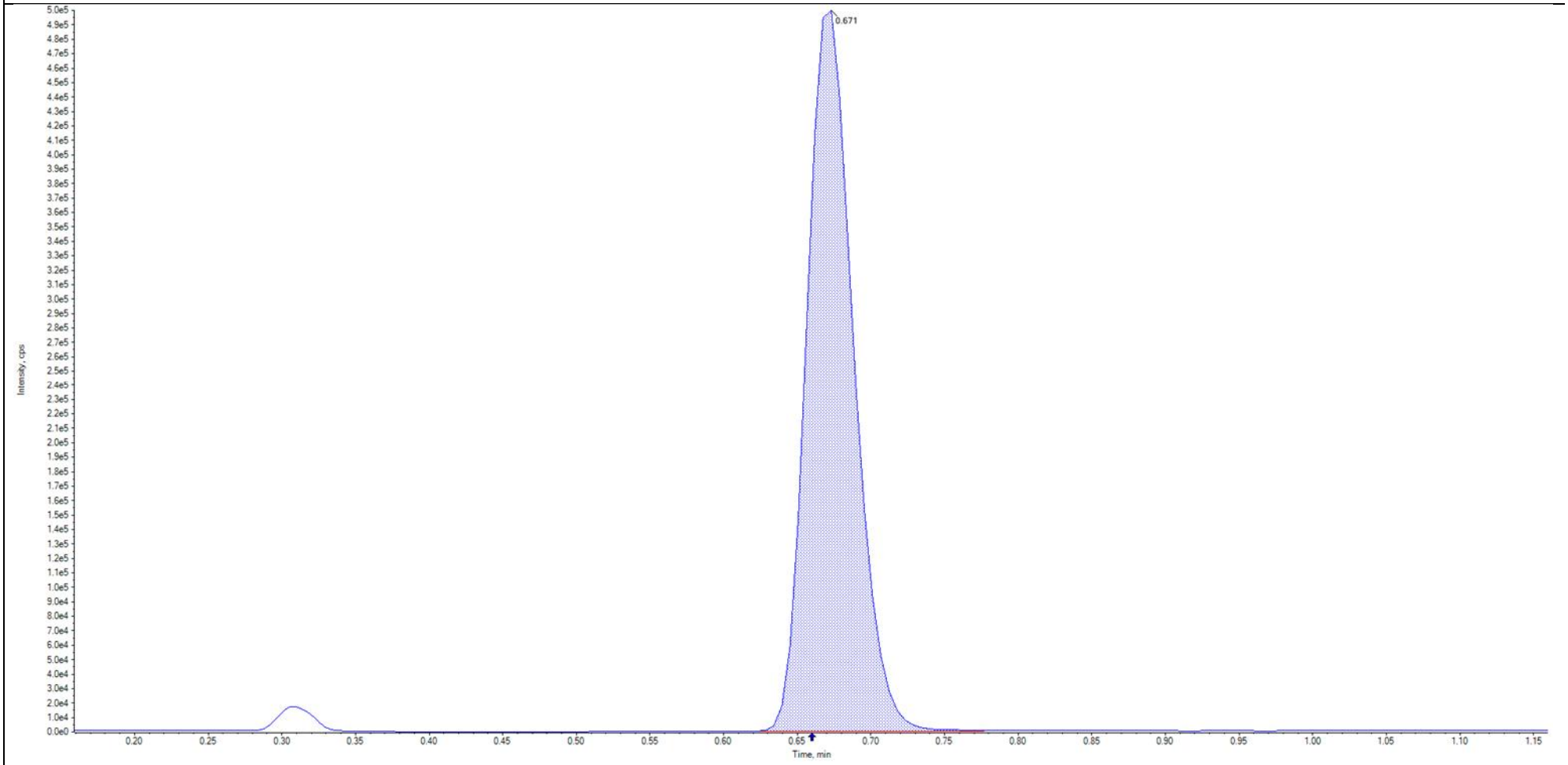

13C2-PFHxA
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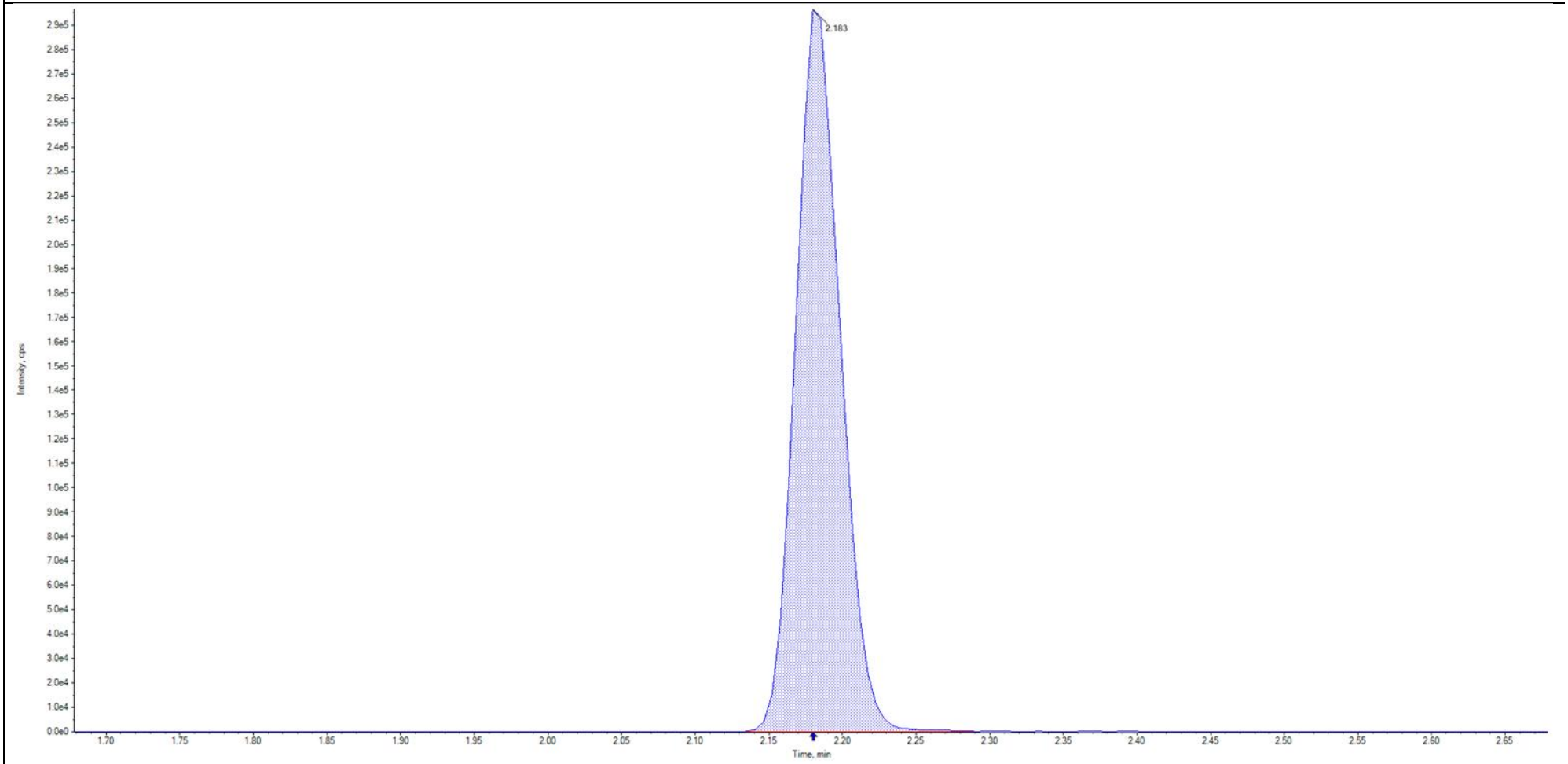

13C4-PFOA
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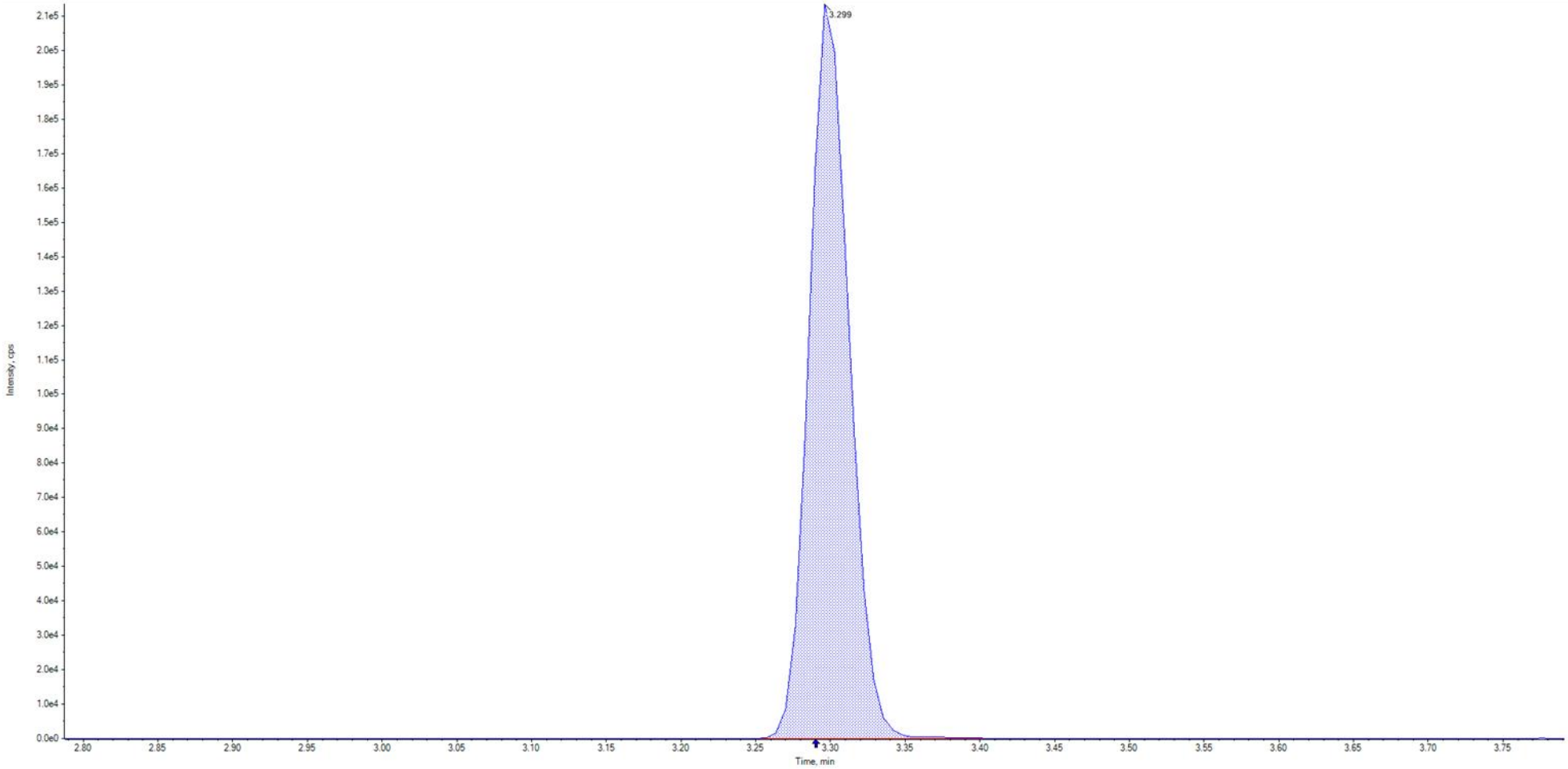

13C5-PFNA
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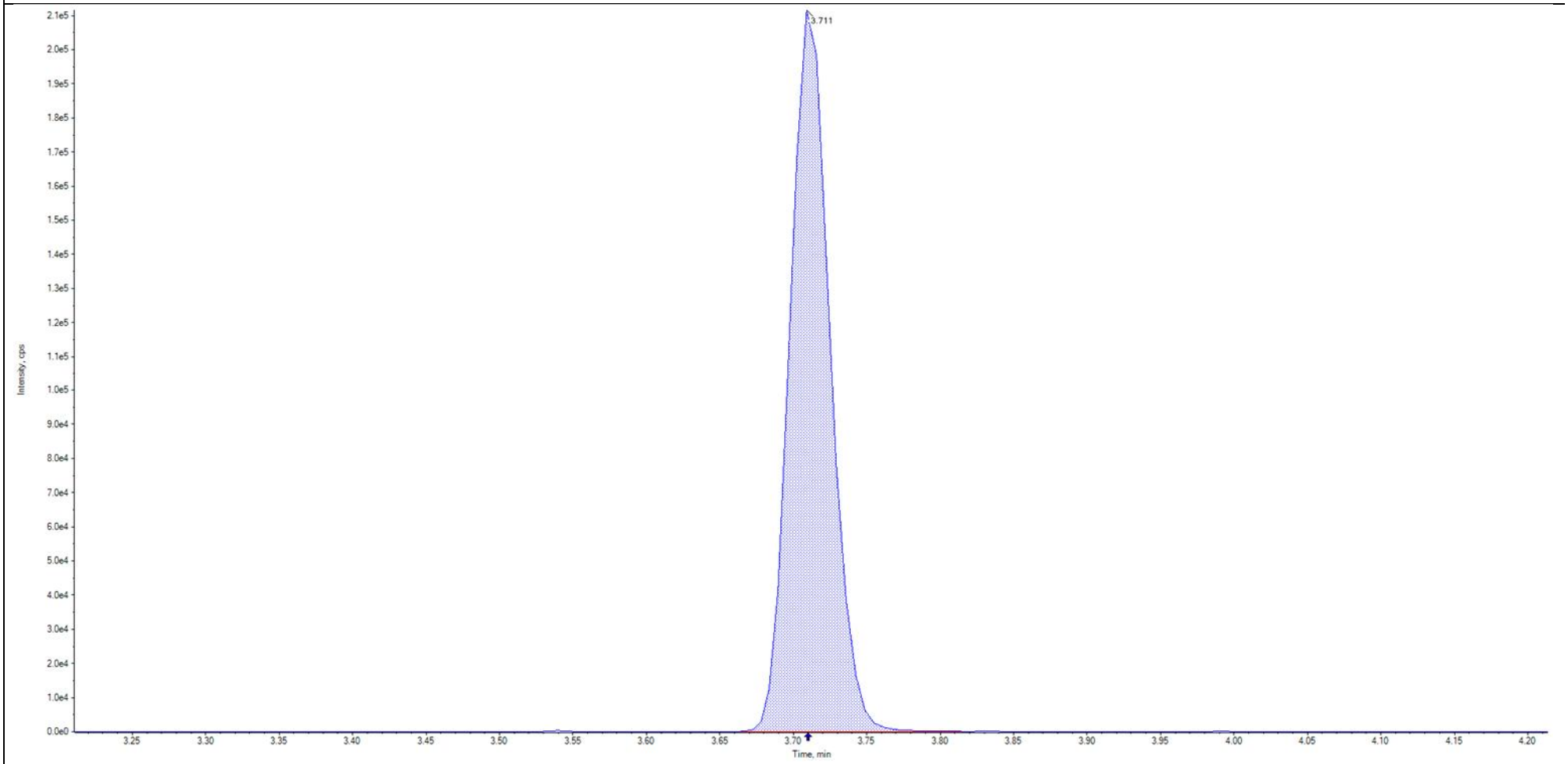

13C2-PFDA
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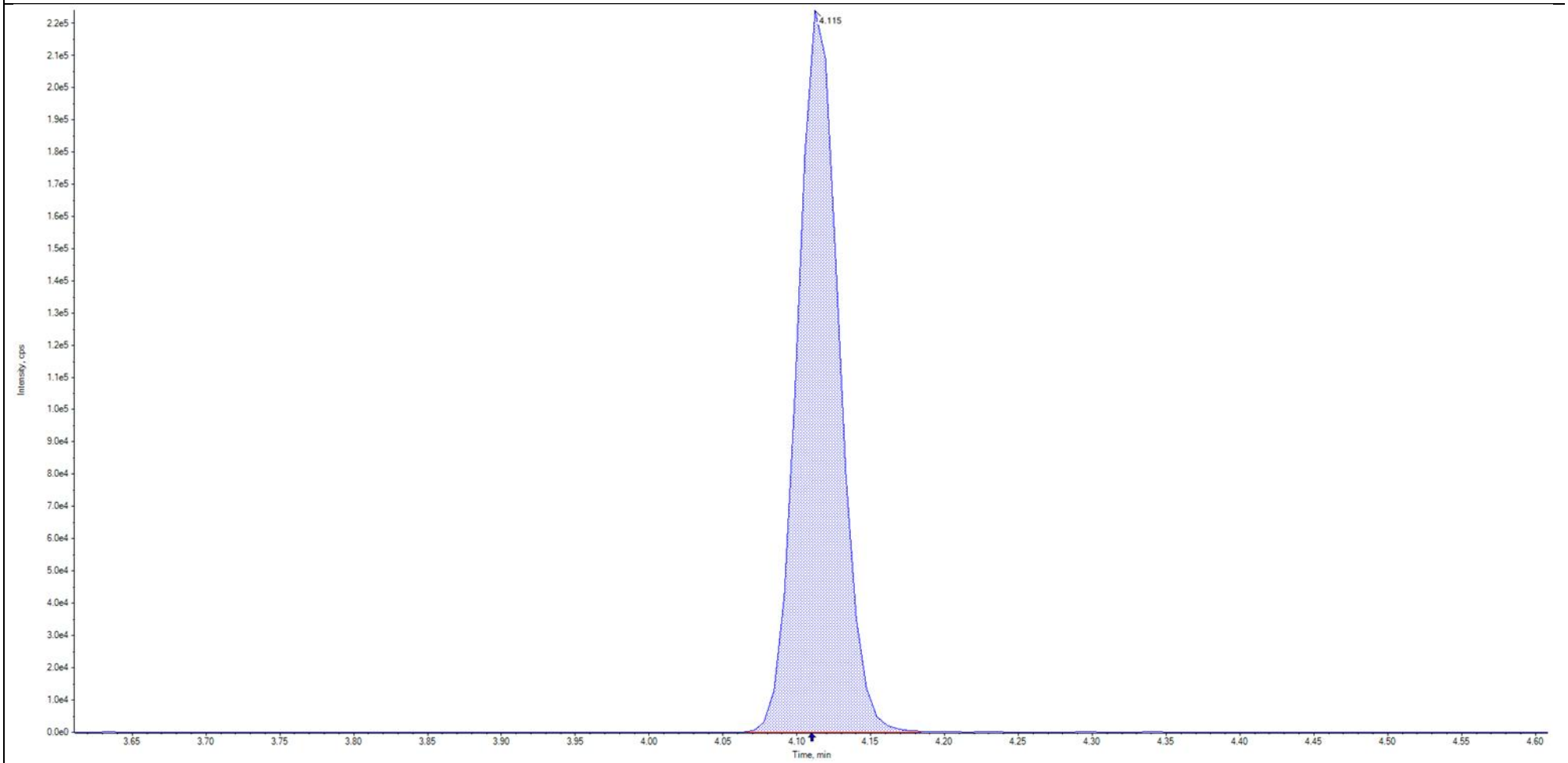

18O2-PFHxS
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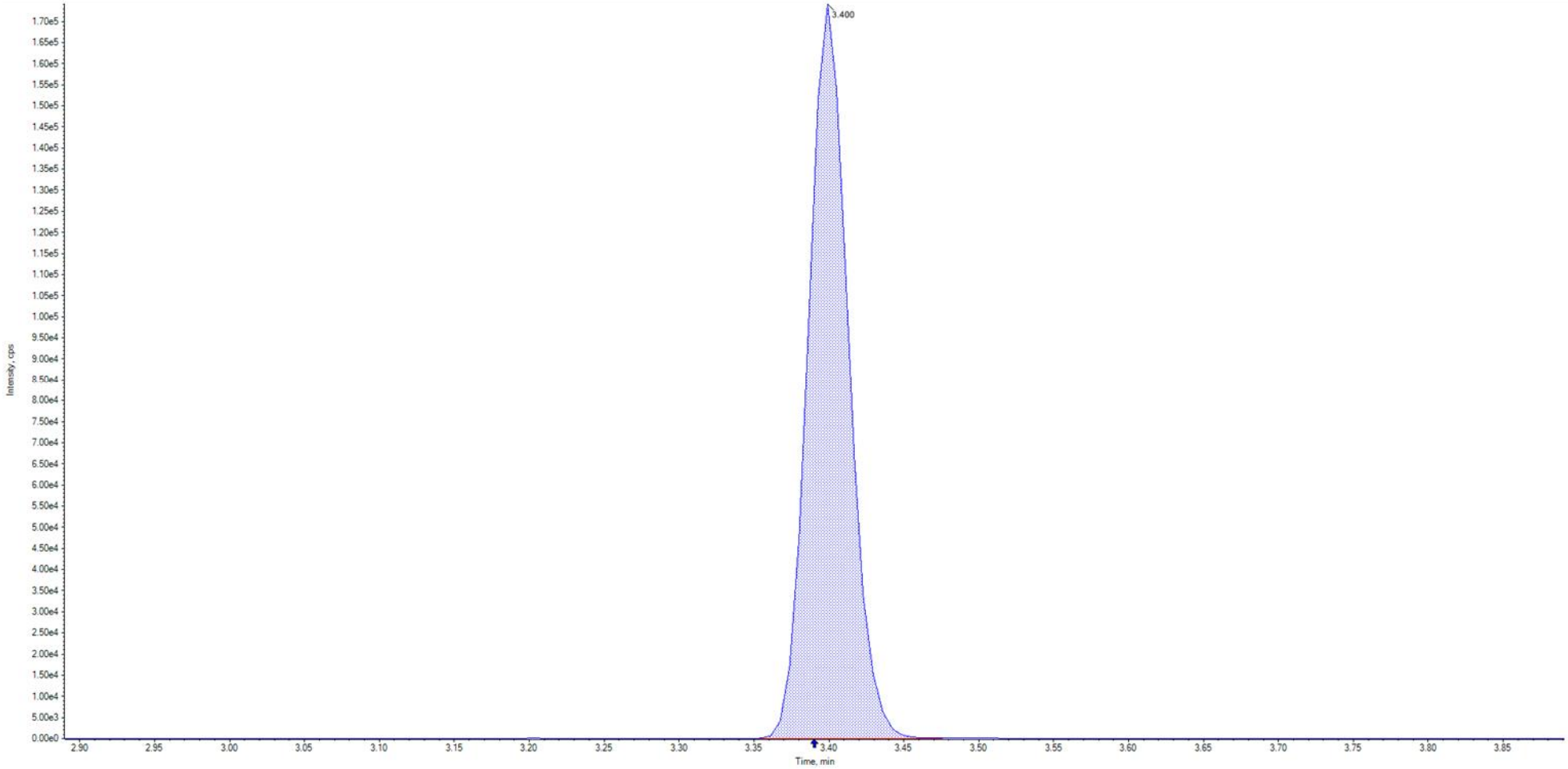

13C4-PFOS
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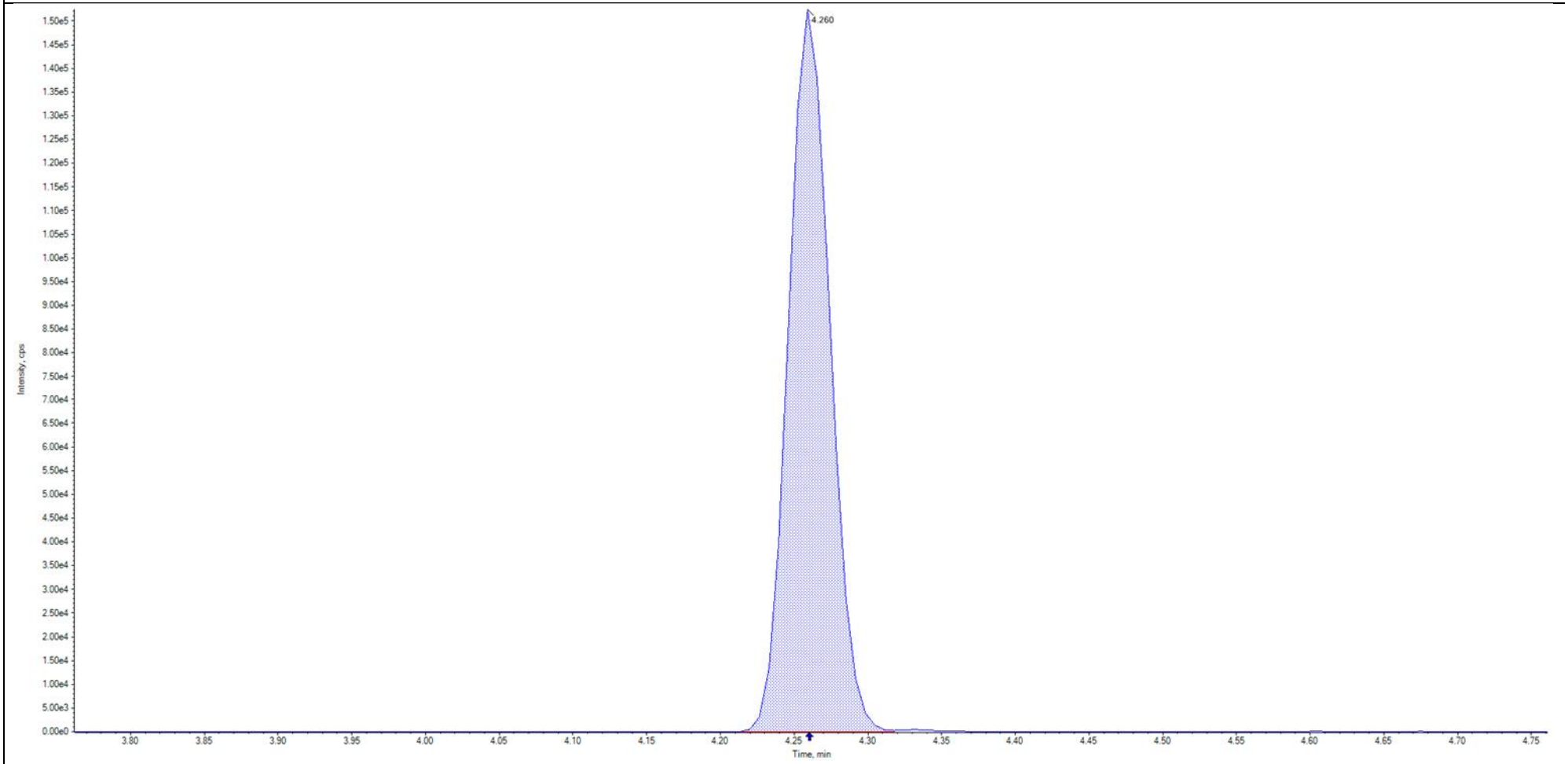

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Method: EPA1633F.qmethod
Calibration: 241115_EPA1633_ICAL

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Description: WG1997639,,EPA1633F_ICV_241014
Instrument: SCIEX Triple Quad 5500+
User: LCMS05:PNB

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.66	213.0 / 169.0	2088646		10.226	N/A	N/A	N/A	102.3
2	PFPeA	2706-90-3	1.35	263.0 / 219.0	1895945		9.808	0.007	N/A	N/A	98.1
3	PFPeA_2	2706-90-3	1.35	263.0 / 68.9	13077		9.114	0.007	N/A	N/A	91.1
4	PFHxA	307-24-4	2.17	313.0 / 269.0	2832254		10.083	0.073	0.089	Pass	100.8
5	PFHxA_2	307-24-4	2.17	313.0 / 119.0	206427		9.956	0.073	0.089	Pass	99.6
6	PFHpA	375-85-9	2.83	363.1 / 319.0	2639966		9.558	0.334	0.332	Pass	95.6
7	PFHpA_2	375-85-9	2.83	363.1 / 169.0	881439		9.954	0.334	0.332	Pass	99.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.29	413.1 / 369.1	3228860	M5	10.457	0.327	0.369	Pass	104.6
9	PFOA_2	335-67-1	3.29	413.1 / 169.0	1056314	M5	9.266	0.327	0.369	Pass	92.7
10	PFNA	375-95-1	3.70	462.8 / 418.9	3215321		11.144	0.242	0.303	Pass	111.4
11	PFNA_2	375-95-1	3.70	462.8 / 219.0	778334		9.041	0.242	0.303	Pass	90.4
12	PFDA	335-76-2	4.11	513.1 / 469.1	3100602		9.699	0.157	0.162	Pass	97.0
13	PFDA_2	335-76-2	4.11	513.1 / 219.0	486818		9.224	0.157	0.162	Pass	92.2
14	PFUnA	2058-94-8	4.50	563.1 / 519.1	2025414		9.450	0.188	0.199	Pass	94.5
15	PFUnA_2	2058-94-8	4.50	563.1 / 269.0	381722		9.179	0.188	0.199	Pass	91.8
16	PFDoA	307-55-1	4.89	613.1 / 569.1	1980212		9.227	0.179	0.180	Pass	92.3
17	PFDoA_2	307-55-1	4.89	613.1 / 319.0	354718		8.937	0.179	0.180	Pass	89.4
18	PFTrDA	72629-94-8	5.27	663.1 / 619.1	1994238		9.371	0.163	0.160	Pass	93.7
19	PFTrDA_2	72629-94-8	5.27	663.1 / 169.0	324389		9.467	0.163	0.160	Pass	94.7
20	PFTeDA	376-06-7	5.65	713.1 / 669.1	2269982		10.567	0.147	0.149	Pass	105.7
21	PFTeDA_2	376-06-7	5.65	713.1 / 169.0	333663		10.643	0.147	0.149	Pass	106.4
22	PFBS	375-73-5	2.16	299.1 / 80.1	1893304		10.695	0.394	0.388	Pass	107.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.16	299.1 / 99.1	745198		10.593	0.394	0.388	Pass	105.9
24	PFPeS	2706-91-4	2.89	349.1 / 80.1	1846765		10.598	0.294	0.297	Pass	106.0
25	PFPeS_2	2706-91-4	2.89	349.1 / 99.1	542109		10.716	0.294	0.297	Pass	107.2
26	PFHxS	355-46-4	3.39	399.1 / 80.1	1671724		10.640	0.301	0.296	Pass	106.4
27	PFHxS_2	355-46-4	3.39	399.1 / 99.1	502720	M5	10.405	0.301	0.296	Pass	104.1
28	PFHpS	375-92-8	3.83	449.1 / 80.1	1449933		9.723	0.280	0.258	Pass	97.2
29	PFHpS_2	375-92-8	3.83	449.1 / 99.1	405663		10.340	0.280	0.258	Pass	103.4
30	PFOS	1763-23-1	4.25	499.1 / 80.1	1554976	M5	9.450	0.223	0.233	Pass	94.5
31	PFOS_2	1763-23-1	4.25	499.1 / 99.1	346536		9.440	0.223	0.233	Pass	94.4
32	PFNS	68259-12-1	4.66	549.1 / 80.1	1119317		10.334	0.298	0.296	Pass	103.3
33	PFNS_2	68259-12-1	4.66	549.1 / 99.1	333570		10.516	0.298	0.296	Pass	105.2
34	PFDS	335-77-3	5.05	599.1 / 80.1	1119458		10.505	0.273	0.272	Pass	105.1
35	PFDS_2	335-77-3	5.05	599.1 / 99.1	305518		10.234	0.273	0.272	Pass	102.3
36	PFDoS	79780-39-5	5.80	699.2 / 80.1	1023783		10.483	0.260	0.263	Pass	104.8
37	PFDoS_2	79780-39-5	5.80	699.2 / 99.1	266474		10.397	0.260	0.263	Pass	104.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.94	327.1 / 307.1	595316		10.601	0.567	0.559	Pass	106.0
39	4:2FTS_2	757124-72-4	1.94	327.1 / 81.1	337789		10.657	0.567	0.559	Pass	106.6
40	6:2FTS	27619-97-2	3.11	427.2 / 407.2	445483		10.353	0.606	0.593	Pass	103.5
41	6:2FTS_2	27619-97-2	3.11	427.2 / 81.1	270079		10.113	0.606	0.593	Pass	101.1
42	8:2FTS	39108-34-4	3.92	527.2 / 507.2	298650		11.891	0.718	0.759	Pass	118.9
43	8:2FTS_2	39108-34-4	3.92	527.2 / 81.1	214394		11.496	0.718	0.759	Pass	115.0
44	PFOSA	754-91-6	5.27	498.1 / 78.1	1774750	M5	9.950	0.024	0.023	Pass	99.5
45	PFOSA_2	754-91-6	5.27	498.1 / 478.0	42003	M5	9.946	0.024	0.023	Pass	99.5
46	NMeFOSA	31506-32-8	5.99	512.2 / 219.0	353718		8.324	1.121	1.457	Pass	83.2
47	NMeFOSA_2	31506-32-8	5.98	512.2 / 169.0	396472		6.425	1.121	1.457	Pass	64.3
48	NEtFOSA	4151-50-2	6.27	526.2 / 219.0	375816		9.679	1.097	1.309	Pass	96.8
49	NEtFOSA_2	4151-50-2	6.27	526.2 / 169.0	412402		8.095	1.097	1.309	Pass	81.0
50	NMeFOSAA	2355-31-9	4.19	570.2 / 419.1	255036		11.186	0.893	0.804	Pass	111.9
51	NMeFOSAA_2	2355-31-9	4.19	570.2 / 483.0	227662	M5	13.083	0.893	0.804	Pass	130.8
52	NEtFOSAA	2991-50-6	4.39	584.2 / 419.1	370363	M5	10.150	0.451	0.419	Pass	101.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.39	584.2 / 526.2	166894	M5	10.377	0.451	0.419	Pass	103.8
54	NMeFOSE	24448-09-7	5.85	616.1 / 58.9	1198638		10.722	N/A	N/A	N/A	107.2
55	NEtFOSE	1691-99-2	6.14	630.0 / 58.9	2029956		10.610	N/A	N/A	N/A	106.1
56	HFPO-DA	13252-13-6	2.44	285.0 / 169.0	1228237		11.086	0.715	0.685	Pass	110.9
57	HFPO-DA_2	13252-13-6	2.44	285.0 / 184.9	878481		12.113	0.715	0.685	Pass	121.1
58	ADONA	919005-14-4	3.00	376.9 / 251.0	2261069		9.502	1.218	0.884	Pass	95.0
59	ADONA_2	919005-14-4	3.00	376.9 / 84.8	2753866		11.504	1.218	0.884	Pass	115.0
60	9Cl-PF3ONS	756426-58-1	4.53	530.8 / 351.1	4066451		11.457	0.319	0.325	Pass	114.6
61	9Cl-PF3ONS_2	756426-58-1	4.53	532.8 / 353.0	1297249		11.208	0.319	0.325	Pass	112.1
62	11Cl-PF3OUdS	763051-92-9	5.32	630.9 / 451.0	2721413		11.658	0.339	0.338	Pass	116.6
63	11Cl-PF3OUdS_2	763051-92-9	5.31	632.9 / 452.9	922716		11.266	0.339	0.338	Pass	112.7
64	3:3FTCA	356-02-5	1.71	241.1 / 177.1	110180		10.066	1.417	1.433	Pass	100.7
65	3:3FTCA_2	356-02-5	1.71	241.1 / 117.0	156178		9.278	1.417	1.433	Pass	92.8
66	5:3FTCA	914637-49-3	3.24	341.1 / 237.1	835611		12.594	0.861	0.935	Pass	125.9
67	5:3FTCA_2	914637-49-3	3.24	341.1 / 217.0	719659		11.718	0.861	0.935	Pass	117.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.18	441.1 / 316.9	357498		9.370	1.992	1.712	Pass	93.7
69	7:3FTCA_2	812-70-4	4.18	441.1 / 337.1	712055		10.348	1.992	1.712	Pass	103.5
70	PFEESA	113507-82-7	2.53	315.1 / 135.0	5095434		9.204	0.088	0.084	Pass	92.0
71	PFEESA_2	113507-82-7	2.53	315.1 / 82.9	447415		9.483	0.088	0.084	Pass	94.8
72	PFMPA	377-73-1	0.84	229.0 / 85.0	2497486		9.127	N/A	N/A	N/A	91.3
73	PFMBA	863090-89-5	1.64	279.0 / 85.0	2651549		9.479	N/A	N/A	N/A	94.8
74	NFDHA	151772-58-6	2.09	295.0 / 201.0	1013438		10.597	0.713	0.781	Pass	106.0
75	NFDHA_2	151772-58-6	2.08	295.0 / 84.9	722864		9.840	0.713	0.781	Pass	98.4
78	13C2D4-4:2FTS	Surr	1.93	333.2 / 312.1	179515		5.029	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	3.29	415.0 / 370.0	383298		2.543	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.66	217.0 / 172.0	2421654		9.930	NA	NA	NA	99.3
	13C5-PFPeA	EIS	1.34	268.0 / 223.0	1116561		5.267	NA	NA	NA	105.3

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C5-PFHxA	EIS	2.17	318.0 / 273.0	458206		2.515	NA	NA	NA	100.6
13C4-PFHpA	EIS	2.83	367.0 / 322.0	289940		2.318	NA	NA	NA	92.7
13C8-PFOA	EIS	3.28	420.8 / 376.0	1061193		2.465	NA	NA	NA	98.6
13C9-PFNA	EIS	3.70	472.0 / 427.0	425864		1.367	NA	NA	NA	109.3
13C6-PFDA	EIS	4.10	519.0 / 474.0	488368		1.260	NA	NA	NA	100.8
13C7-PFUnA	EIS	4.49	570.0 / 525.0	347685		1.039	NA	NA	NA	83.1
13C2-PFDoA	EIS	4.88	615.1 / 570.0	281075		1.009	NA	NA	NA	80.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFTeDA	EIS	5.64	715.1 / 670.1	239775		0.961	NA	NA	NA	76.9
	13C3-PFBS	EIS	2.16	302.1 / 80.1	430898		2.286	NA	NA	NA	98.1
	13C3-PFHxS	EIS	3.38	402.1 / 80.1	373145		2.284	NA	NA	NA	96.4
	13C8-PFOS	EIS	4.25	507.1 / 80.1	397218		2.305	NA	NA	NA	96.1
	13C2-4:2FTS	EIS	1.93	329.1 / 81.1	143511		4.588	NA	NA	NA	97.8
	13C2-6:2FTS	EIS	3.11	429.2 / 81.1	130385		4.511	NA	NA	NA	94.8
	13C2-8:2FTS	EIS	3.92	529.2 / 81.1	109124		4.201	NA	NA	NA	87.5
	13C8-PFOSA	EIS	5.27	506.1 / 78.1	646411		2.353	NA	NA	NA	94.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	d3-NMeFOSA	EIS	5.98	515.2 / 219.0	103363		2.559	NA	NA	NA	102.4
	d5-NEtFOSA	EIS	6.26	531.2 / 219.0	89906		2.388	NA	NA	NA	95.5
	d3-NMeFOSAA	EIS	4.19	573.2 / 419.1	155521		3.658	NA	NA	NA	73.2
	d5-NEtFOSAA	EIS	4.38	589.3 / 419.1	189107		4.624	NA	NA	NA	92.5
	d7-NMeFOSE	EIS	5.83	623.2 / 58.9	1081925		22.657	NA	NA	NA	90.6
	d9-NEtFOSE	EIS	6.12	639.2 / 58.9	1670175		24.137	NA	NA	NA	96.5
	13C3-HFPO-DA	EIS	2.43	287.0 / 169.0	1199599		9.037	NA	NA	NA	90.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-PFBA	NIS	0.66	216.0 / 172.0	1084879		5.484	NA	NA	NA	109.7
	13C2-PFHxA	NIS	2.17	315.0 / 270.0	636962		2.423	NA	NA	NA	96.9
	13C4-PFOA	NIS	3.28	417.0 / 372.0	423879		2.446	NA	NA	NA	97.9
	13C5-PFNA	NIS	3.70	468.0 / 423.0	351542		1.130	NA	NA	NA	90.4
	13C2-PFDA	NIS	4.10	515.1 / 470.1	450647		1.423	NA	NA	NA	113.8
	18O2-PFHxS	NIS	3.38	403.1 / 84.1	330946		2.341	NA	NA	NA	98.8
	13C4-PFOS	NIS	4.24	503.1 / 80.1	299229		2.417	NA	NA	NA	100.7

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PFBA
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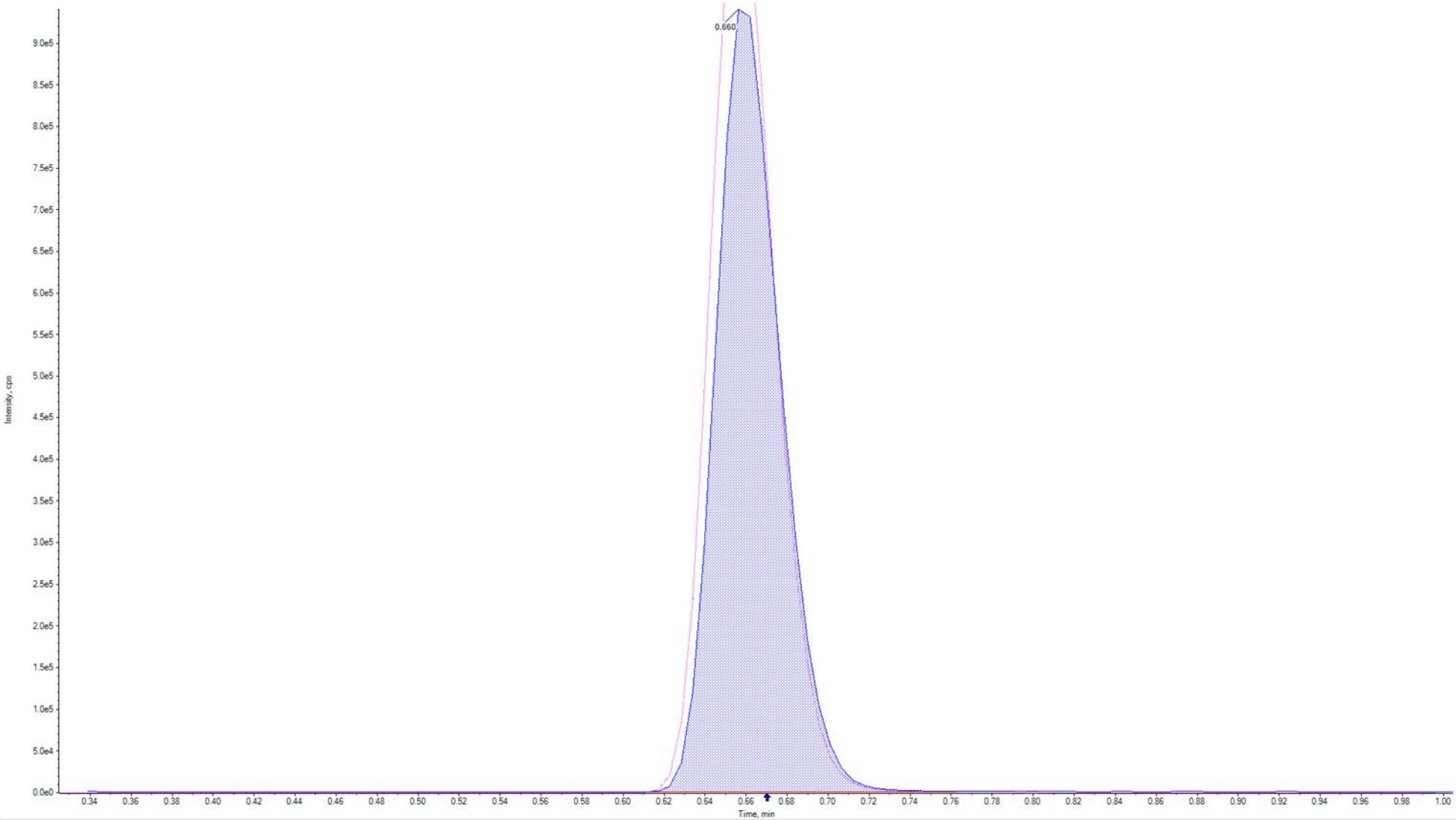

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PFPeA
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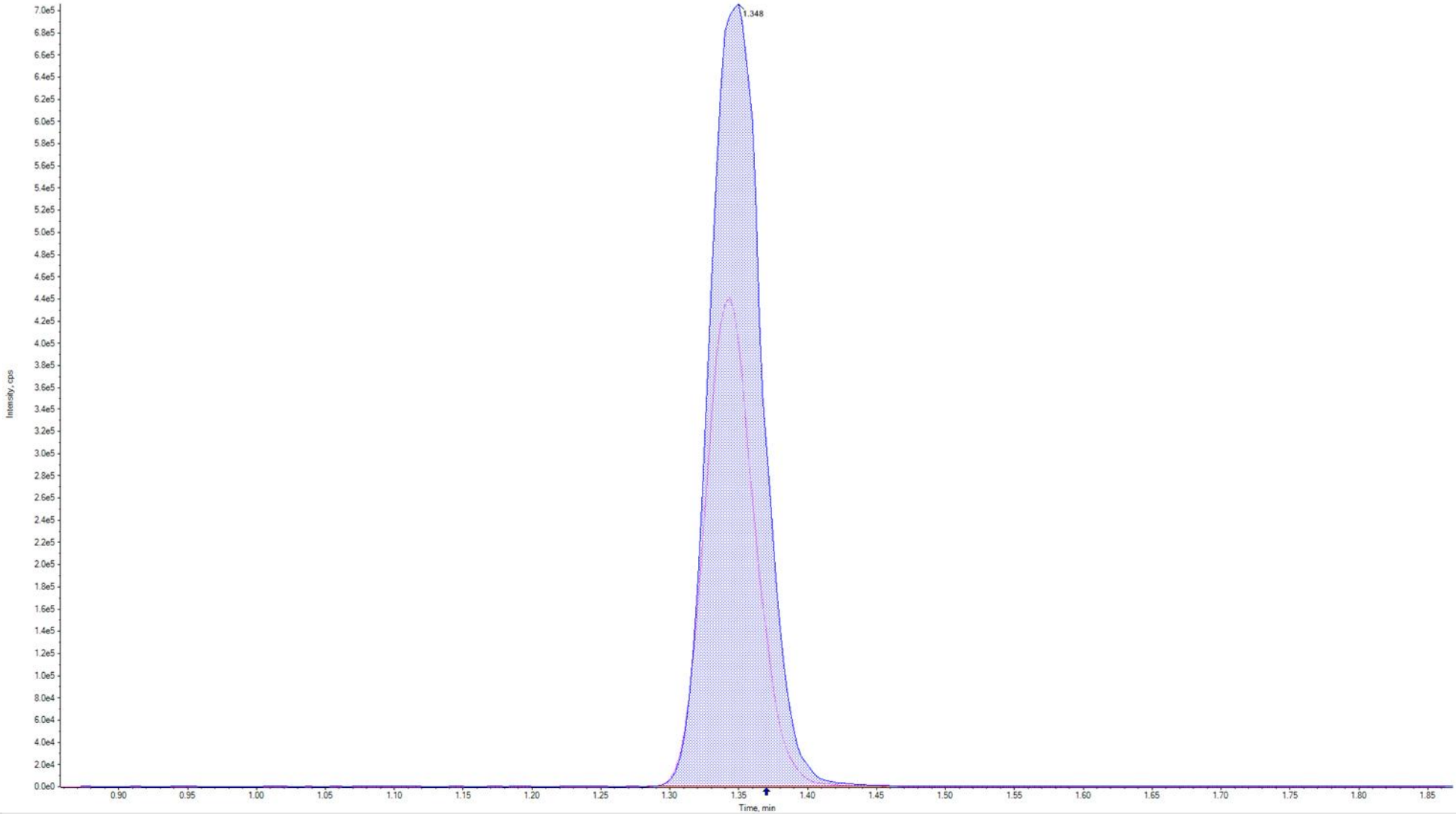

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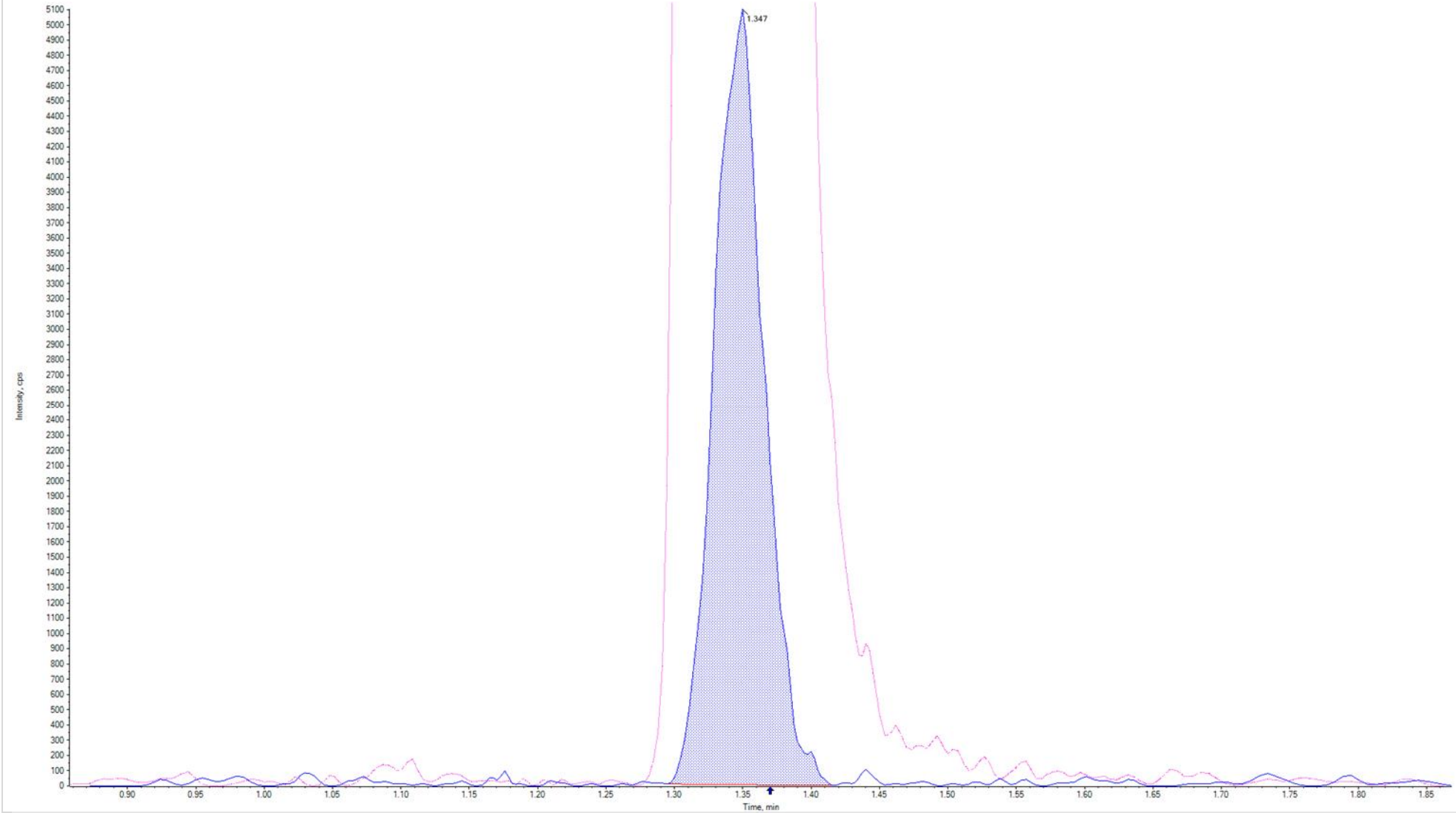
PFPeA_2
Sample: CA1633STD-10 S/N:306.5 Points Across peak:45



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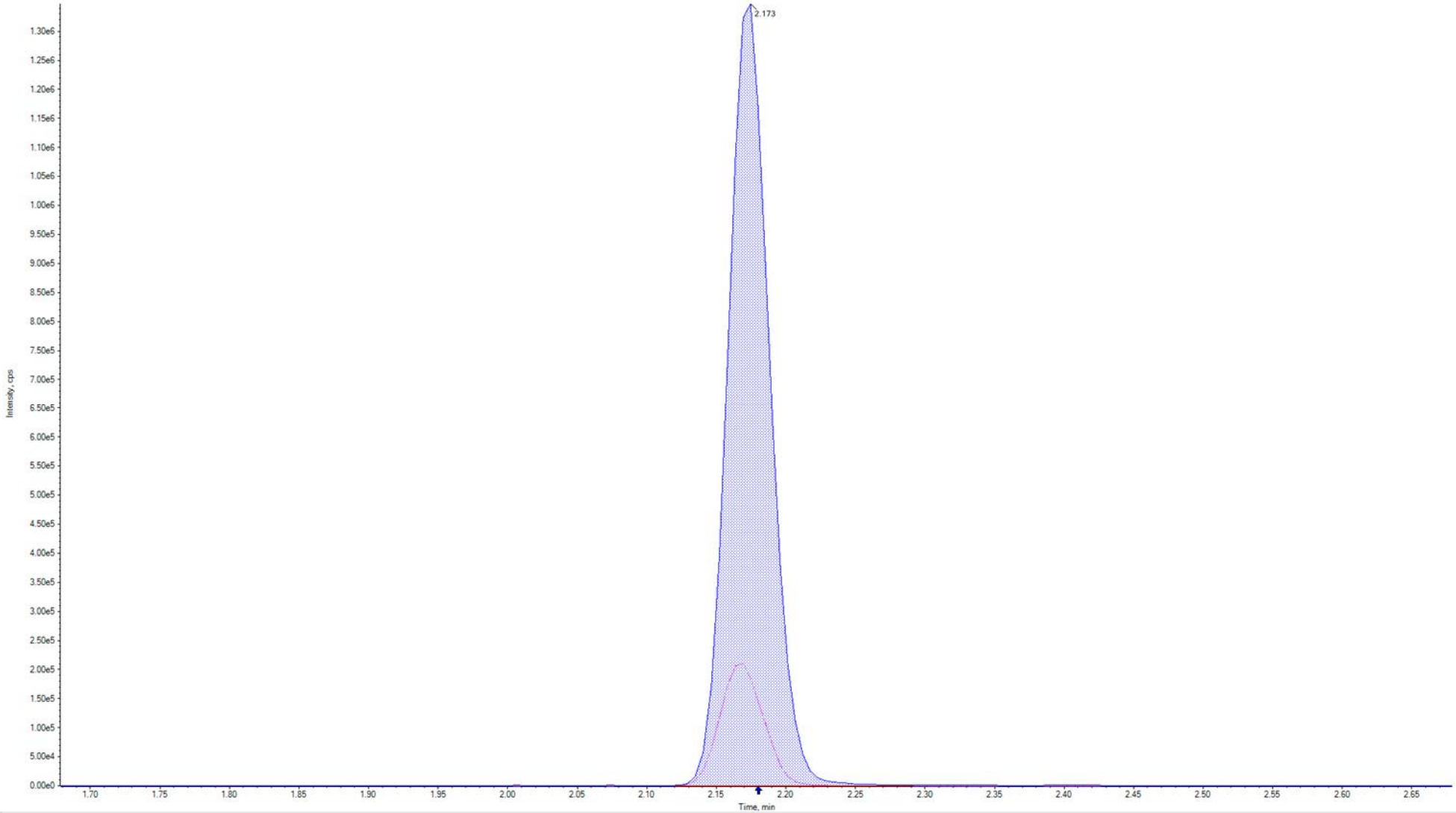
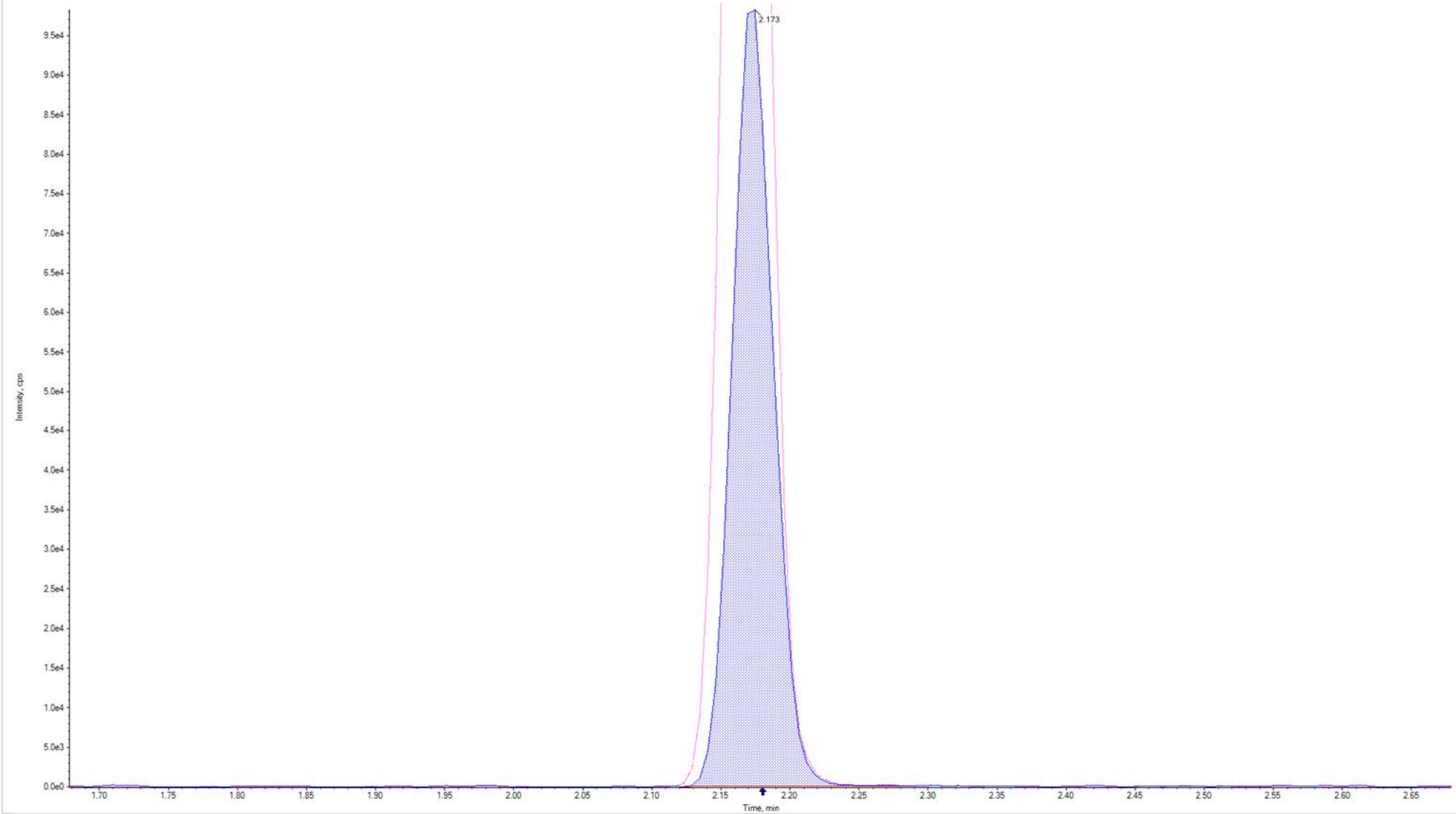
PFHxA
Sample: CA1633STD-10 S/N:8137.7 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

PFHxA_2
Sample: CA1633STD-10 S/N:2461.6 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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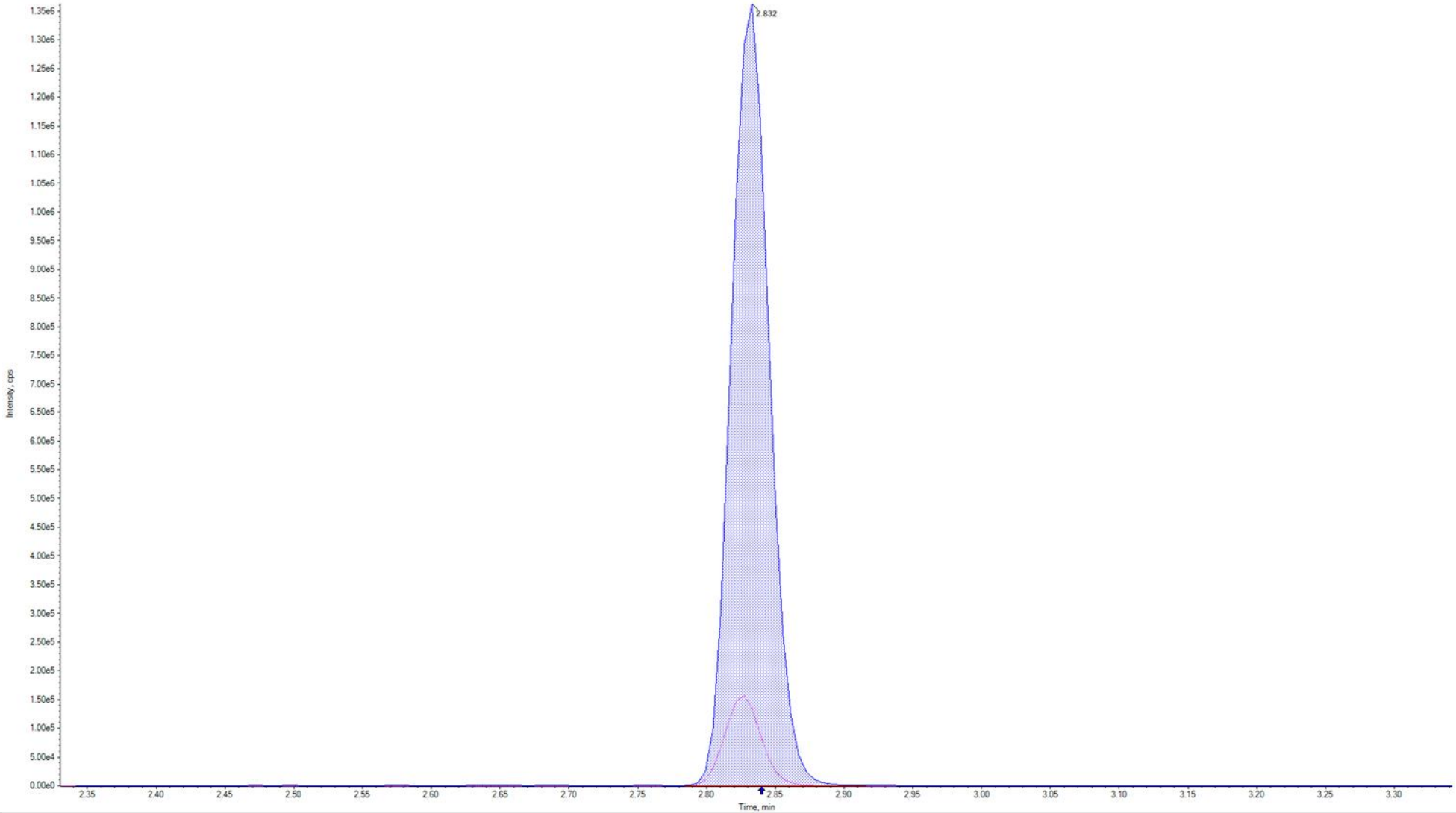
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

PFHpA
Sample: CA1633STD-10 S/N:6312.5 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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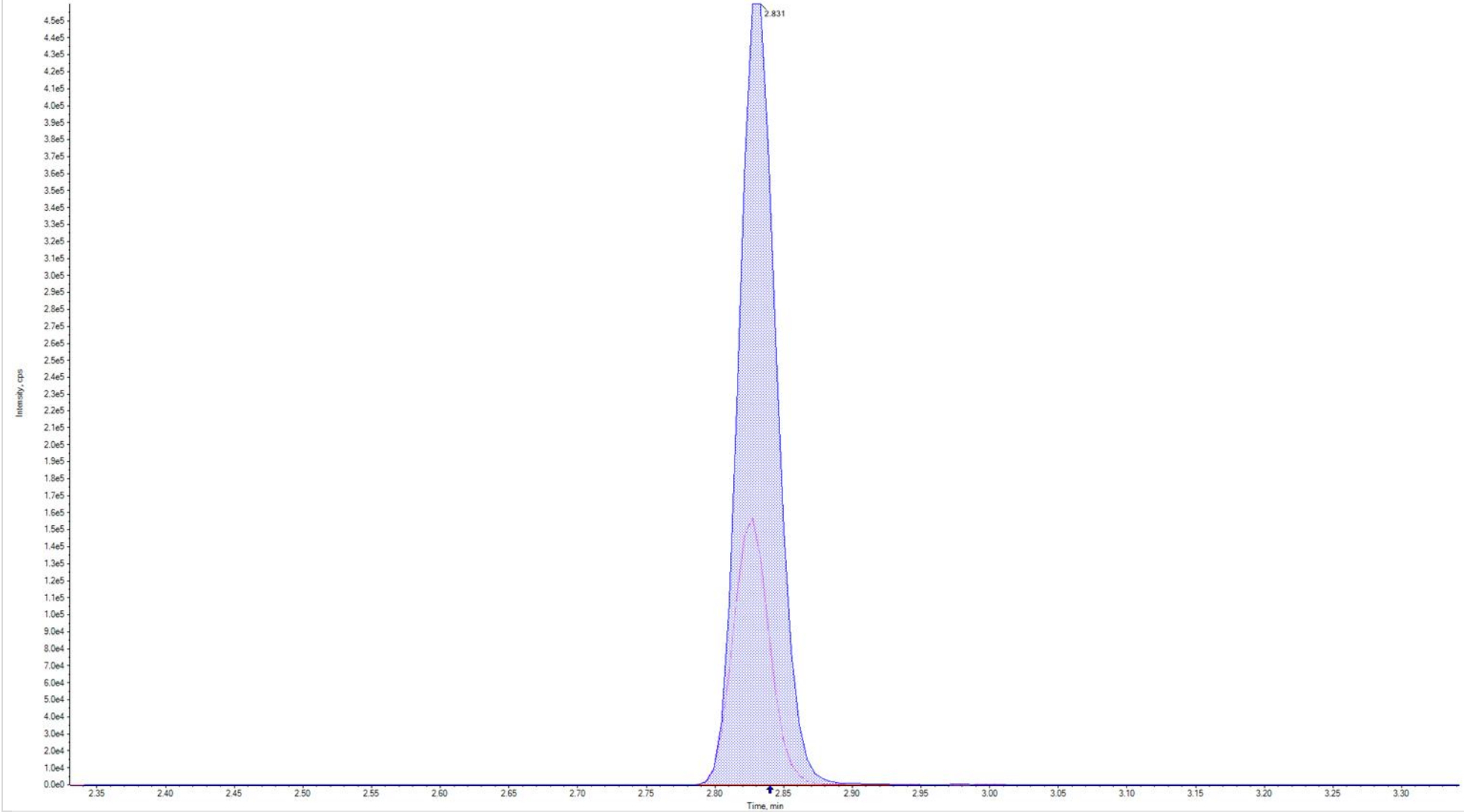
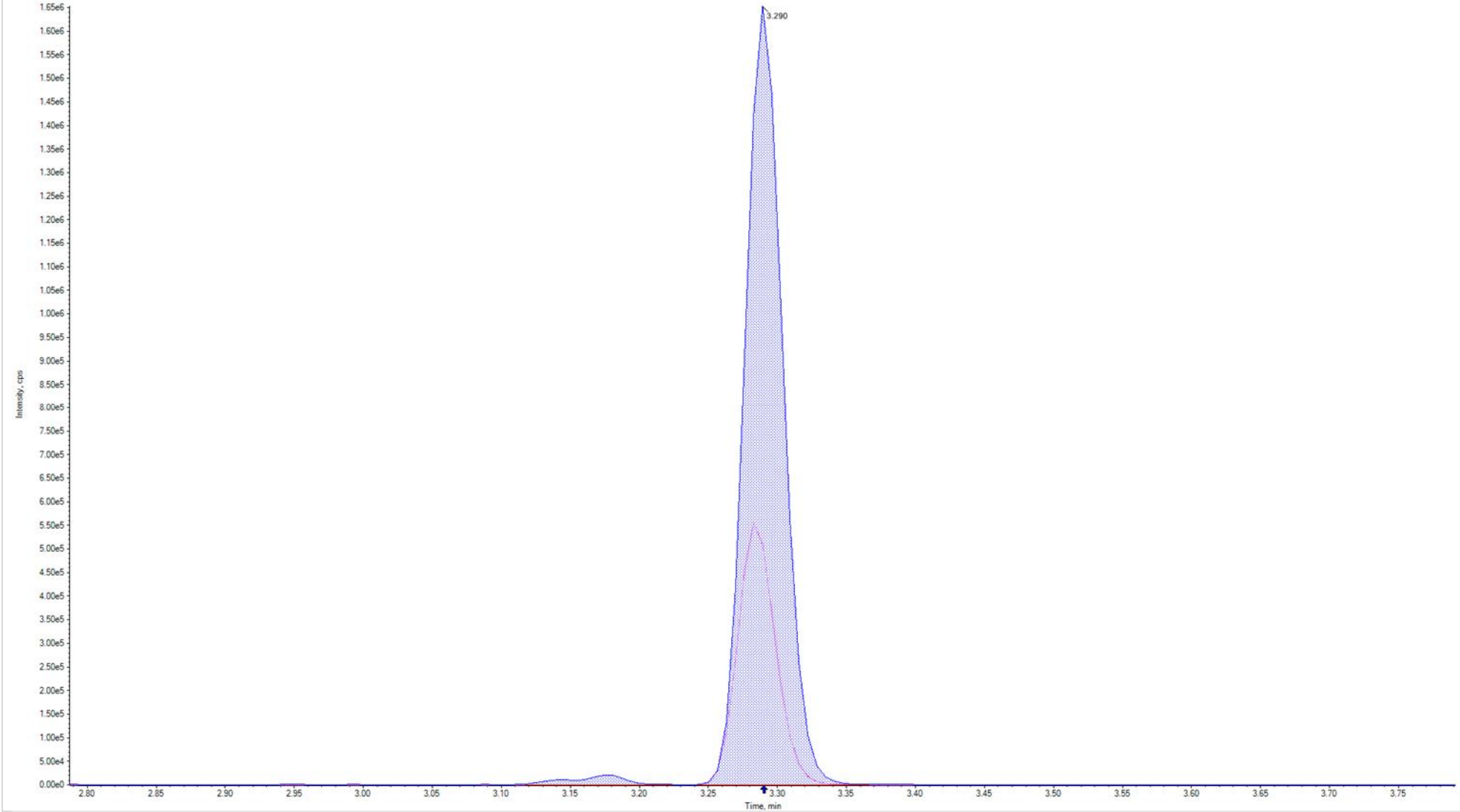
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

PFHpA_2
Sample: CA1633STD-10 S/N:7652.0 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

PFOA
Sample: CA1633STD-10 S/N:1979.1 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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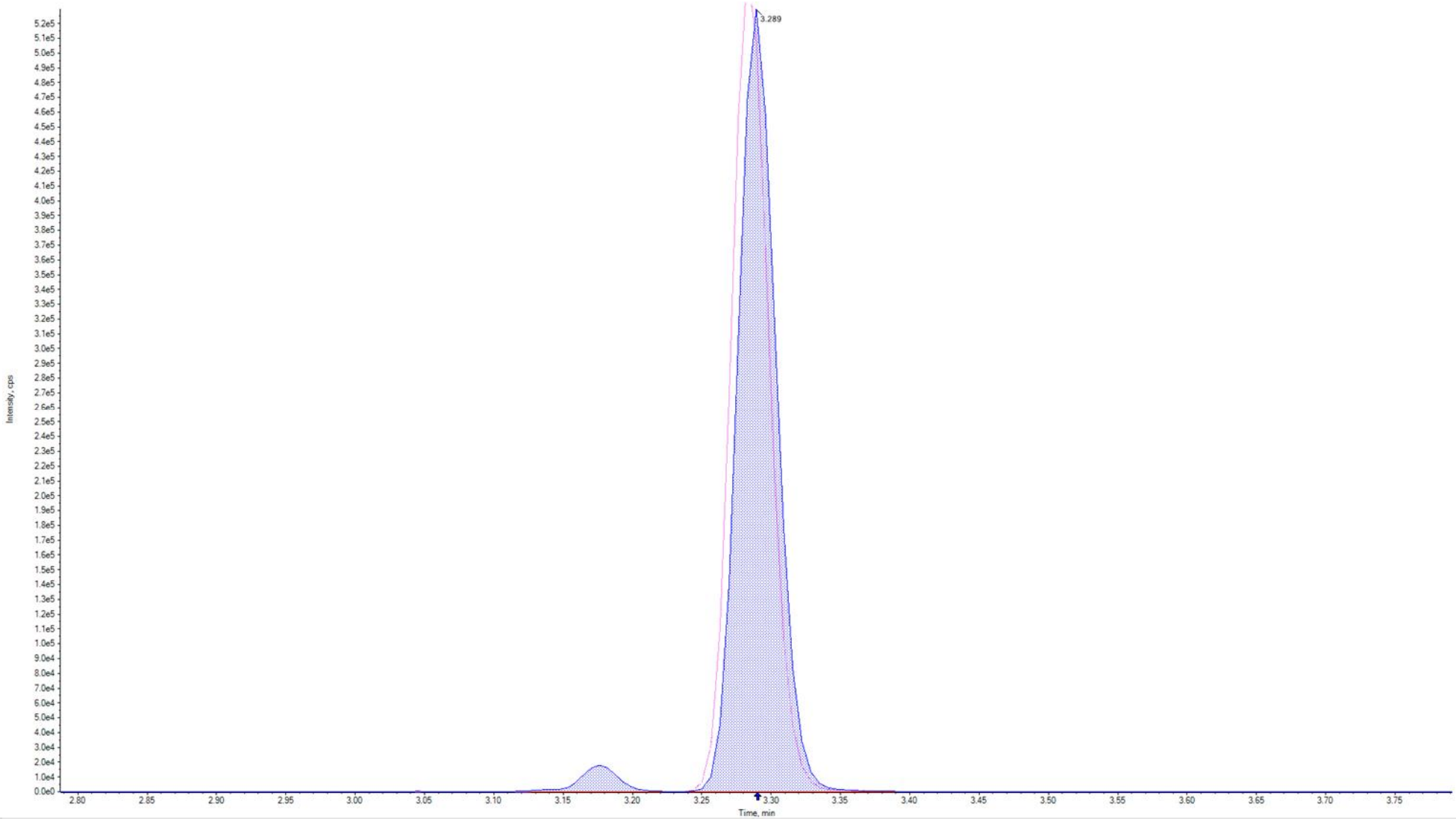
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

PFOA_2
Sample: CA1633STD-10 S/N:2209.7 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:27:20 PM
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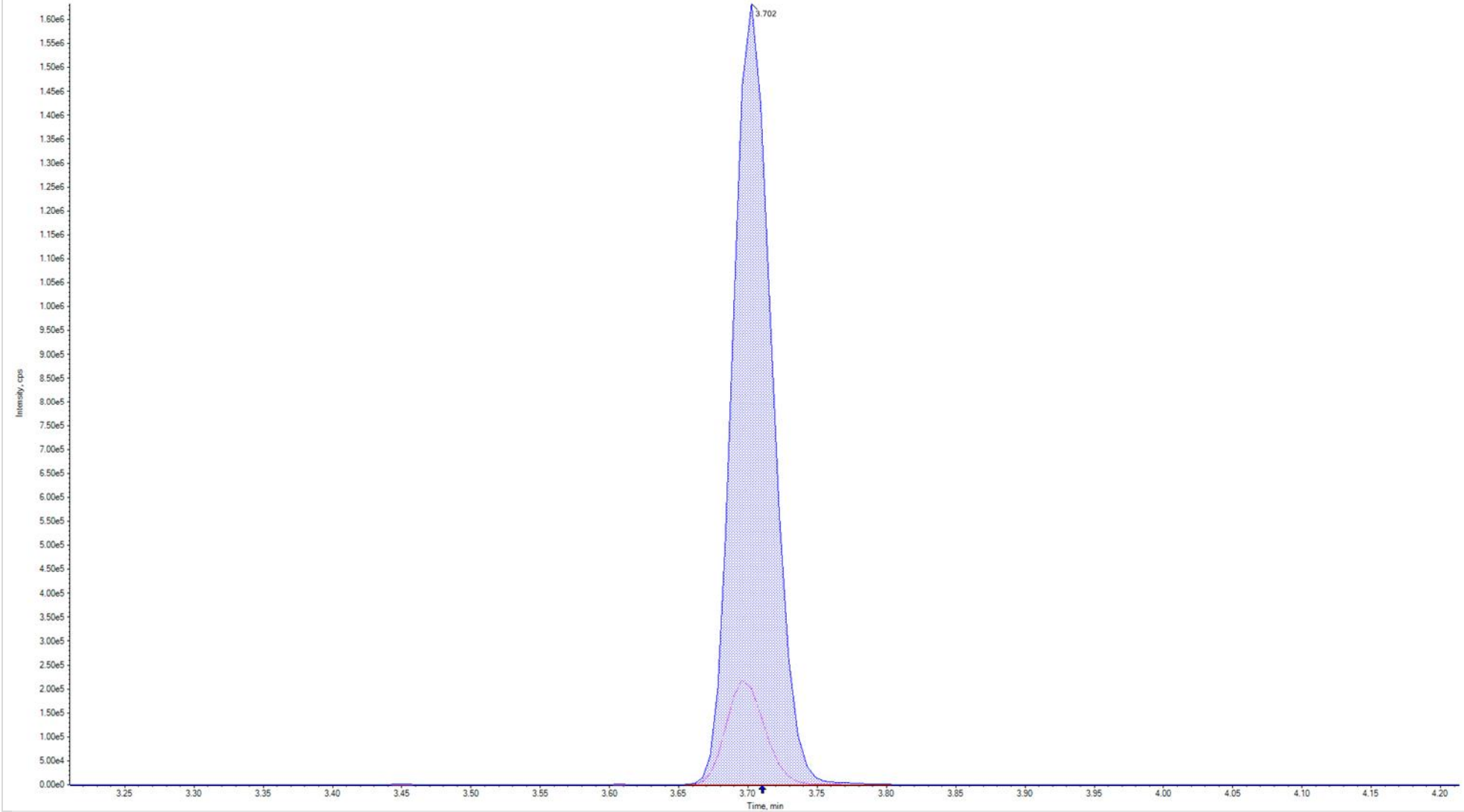
PFNA
Sample: CA1633STD-10 S/N:2579.9 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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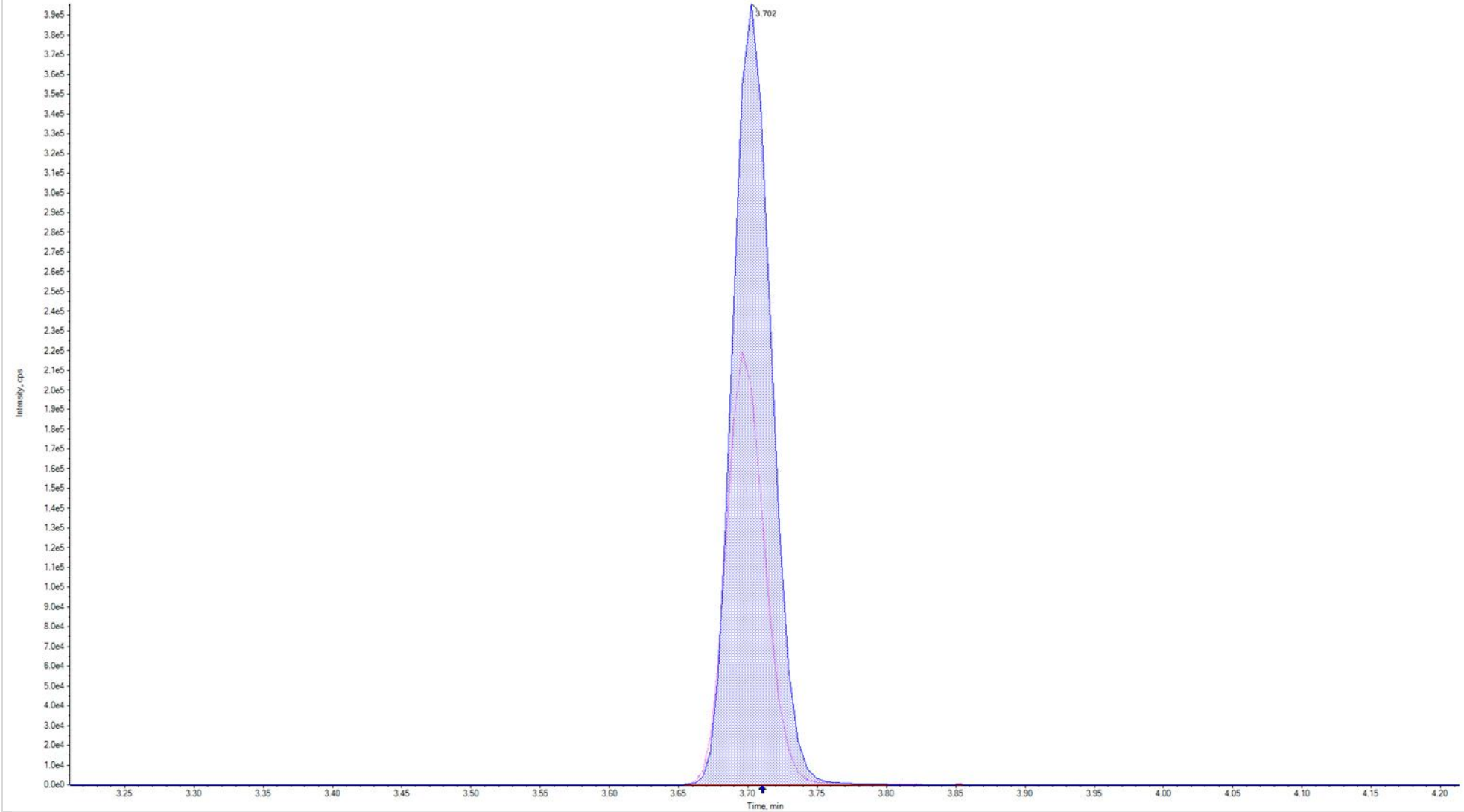
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

PFNA_2
Sample: CA1633STD-10 S/N:3562.5 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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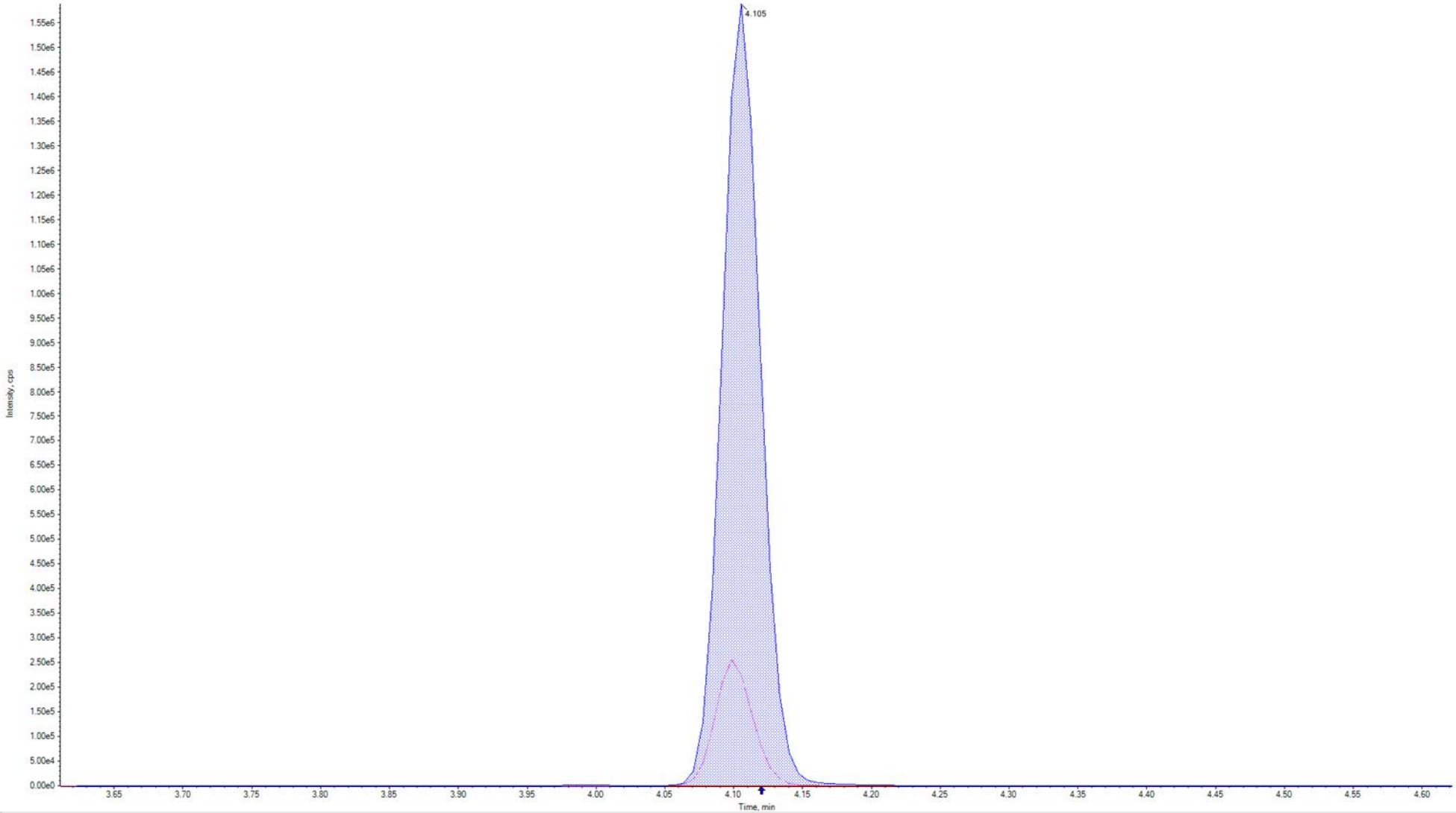
PFDA
Sample: CA1633STD-10 S/N:31850.2 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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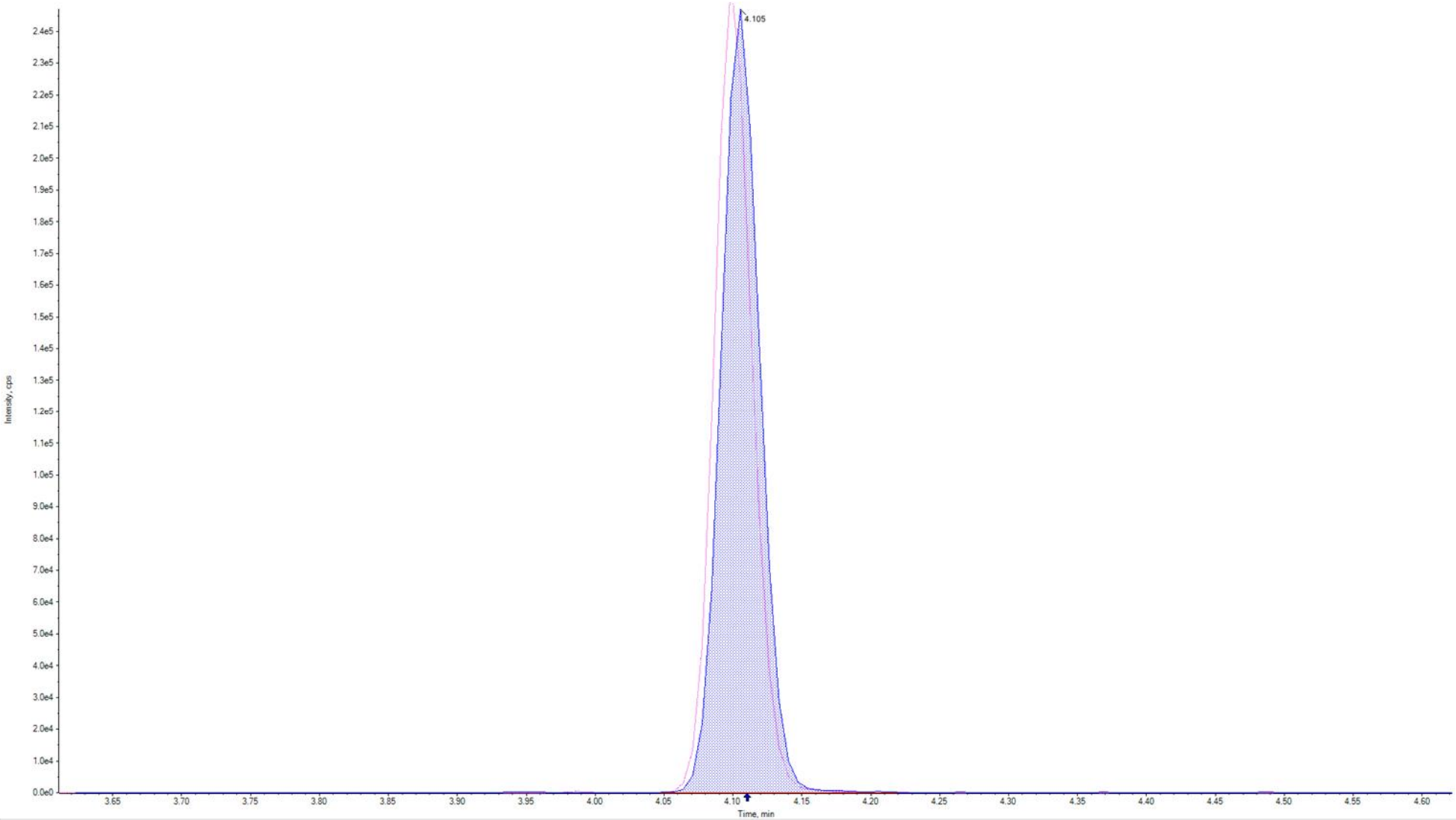
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

PFDA_2
Sample: CA1633STD-10 S/N:3553.3 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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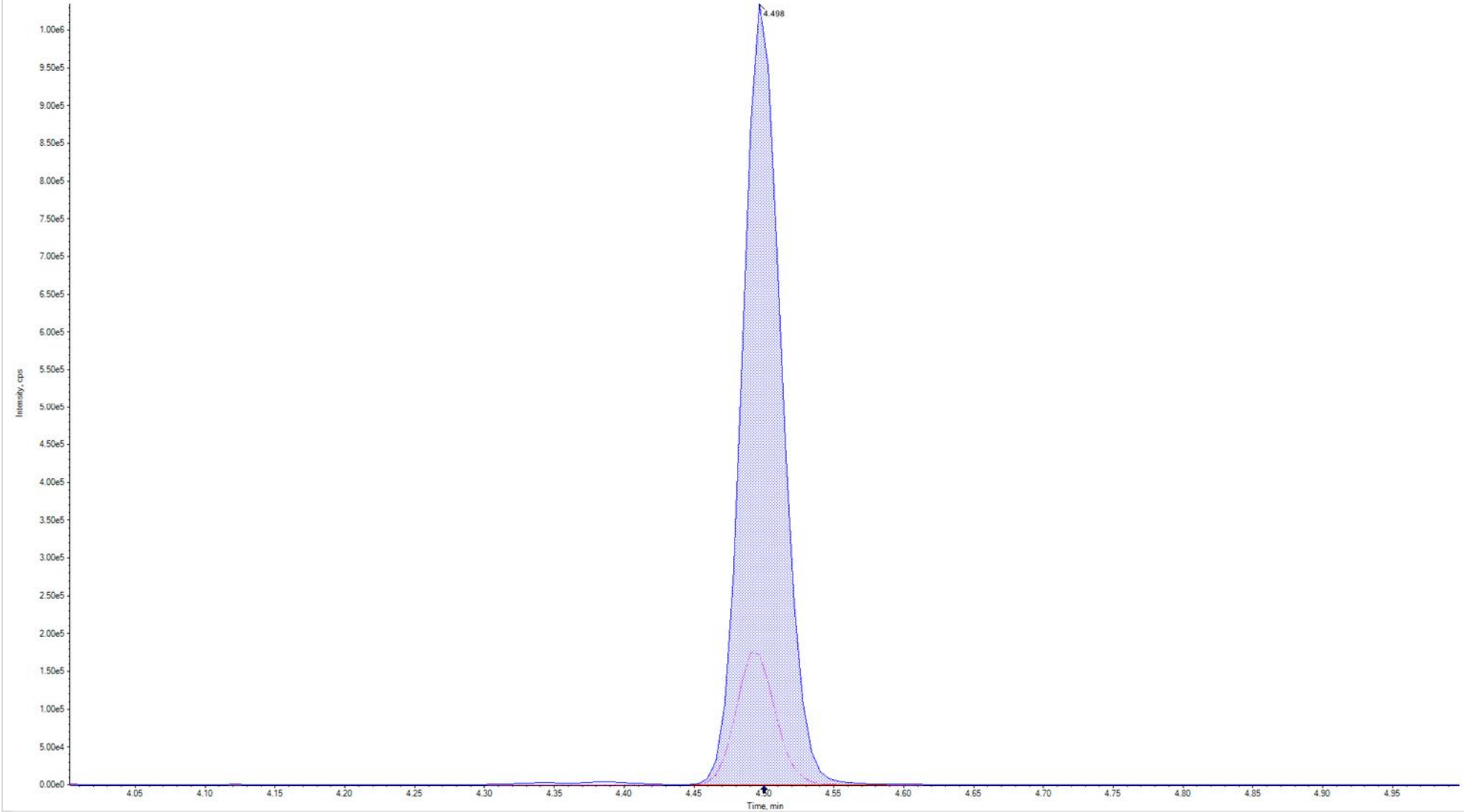
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

PFUnA
Sample: CA1633STD-10 S/N:9604.8 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:27:20 PM
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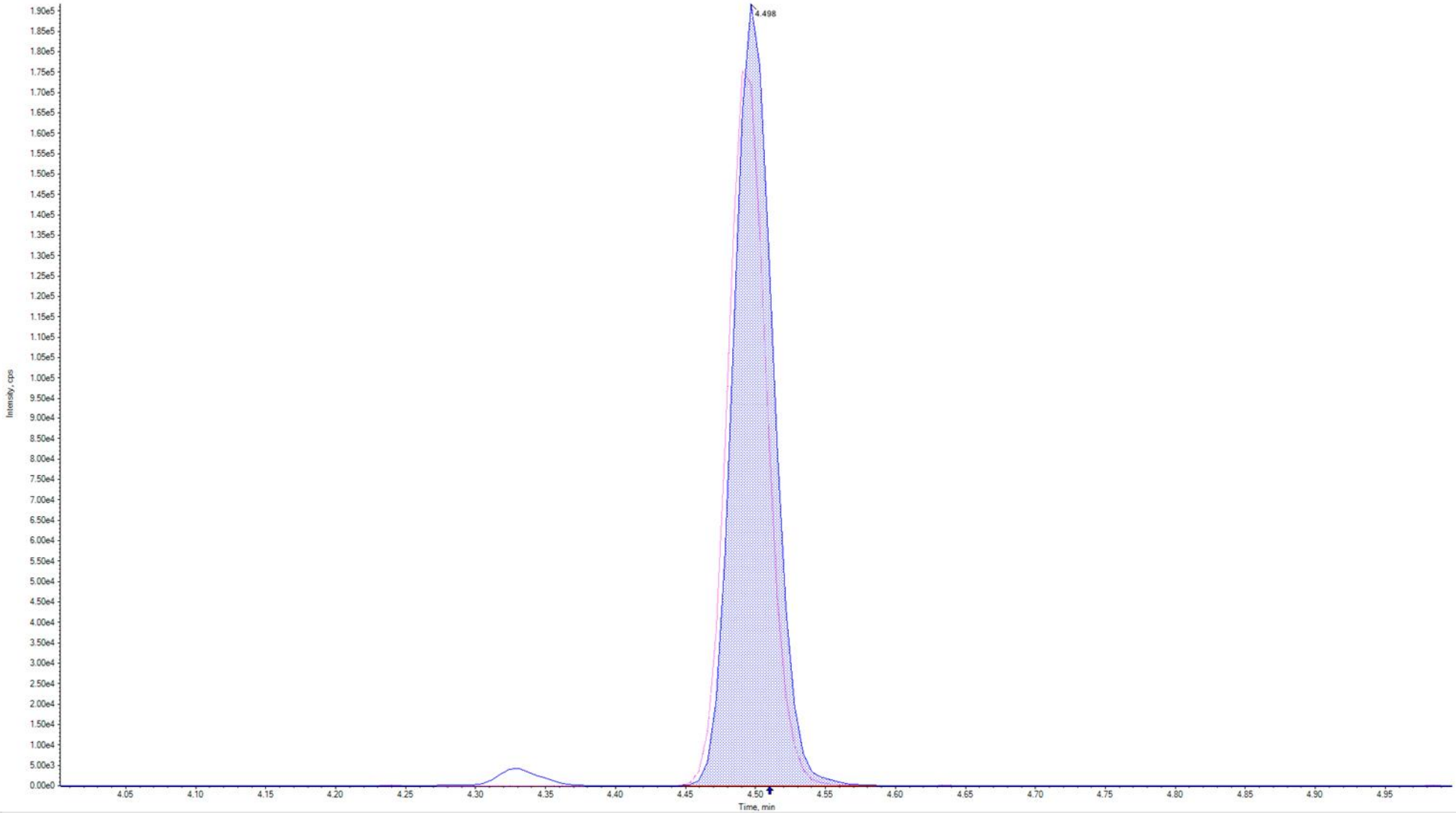
PFUnA_2
Sample: CA1633STD-10 S/N:3829.4 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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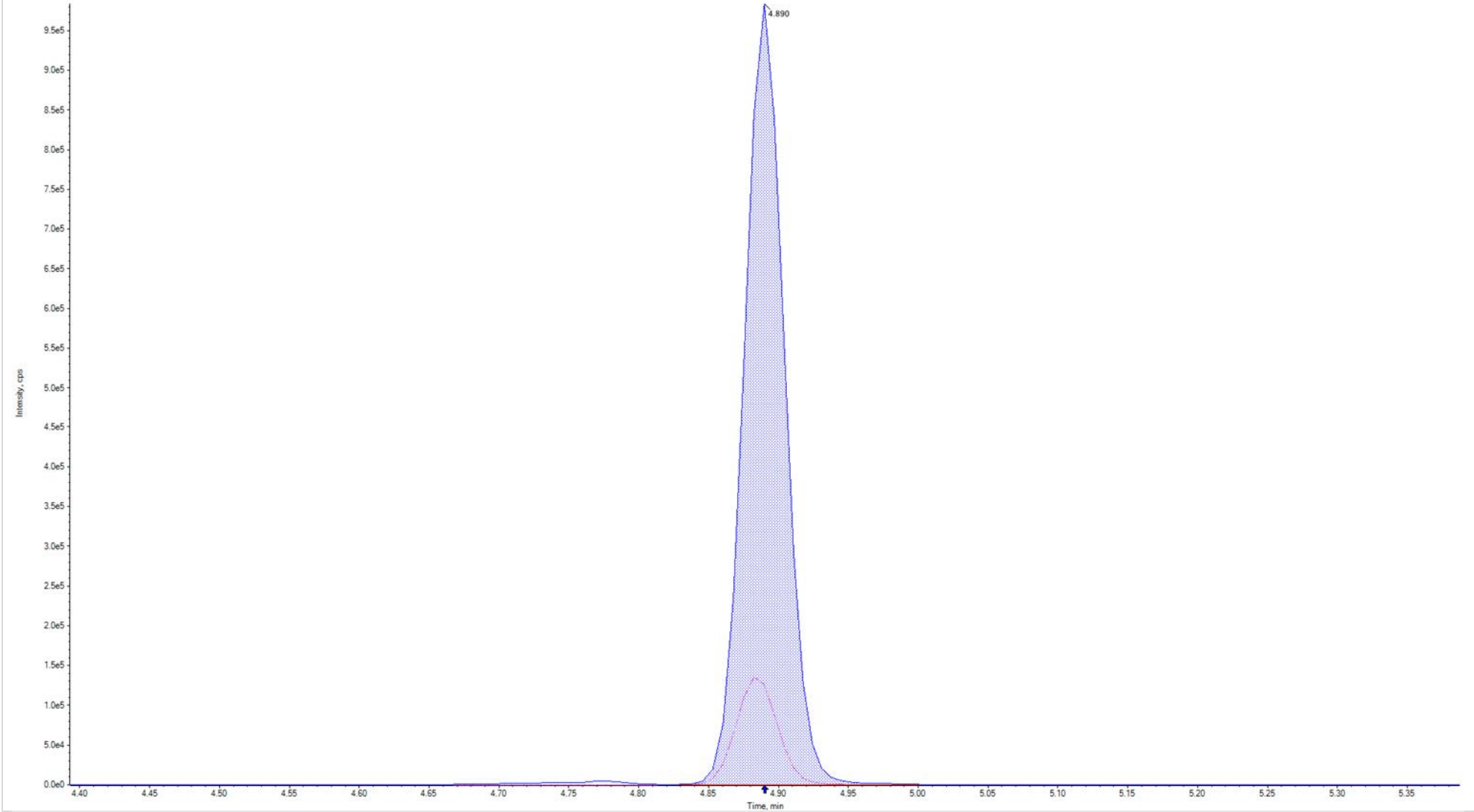
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

PFDoA
Sample: CA1633STD-10 S/N:5157.0 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:27:20 PM
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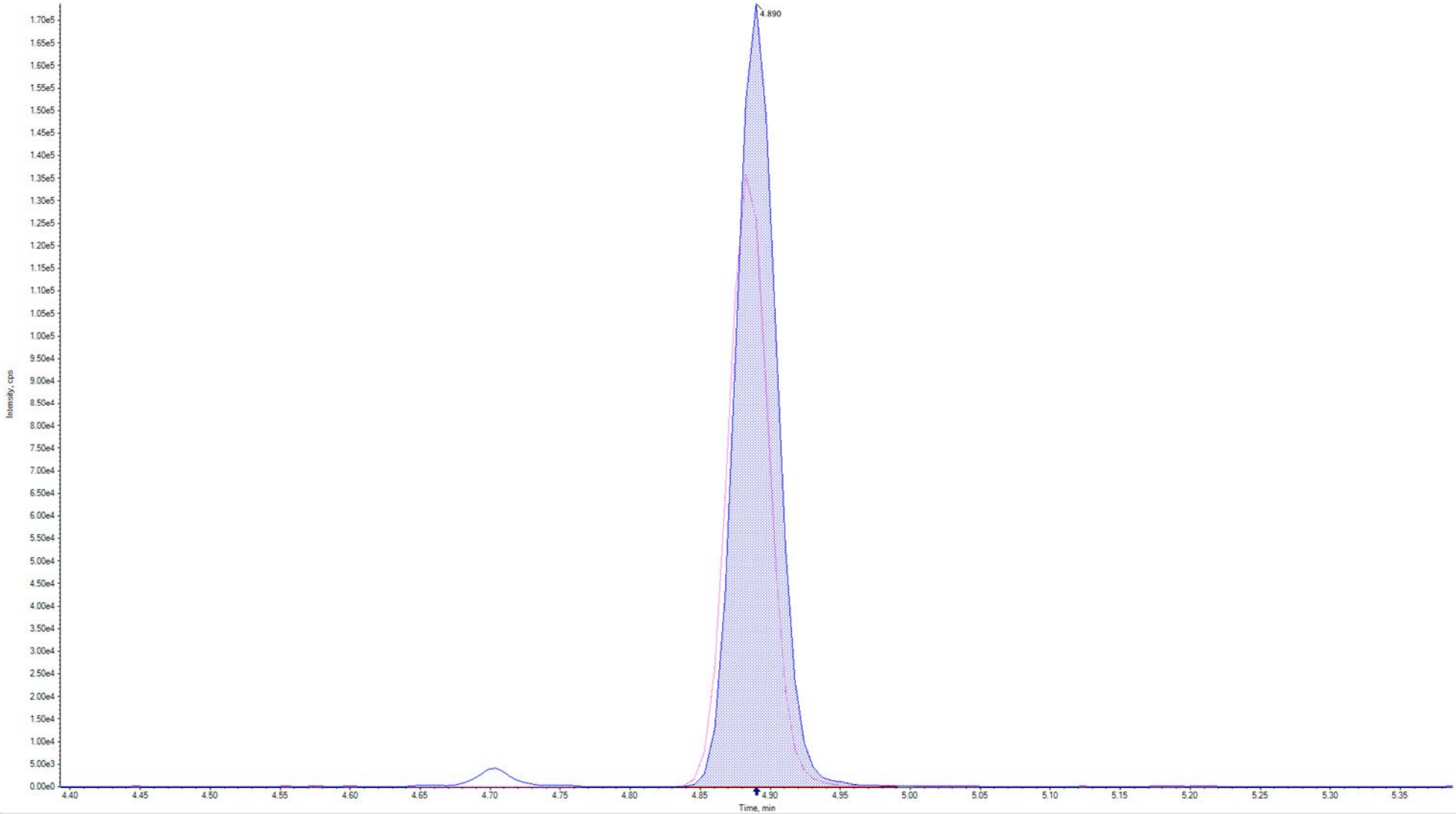
PFDoA_2
Sample: CA1633STD-10 S/N:4788.0 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:27:20 PM
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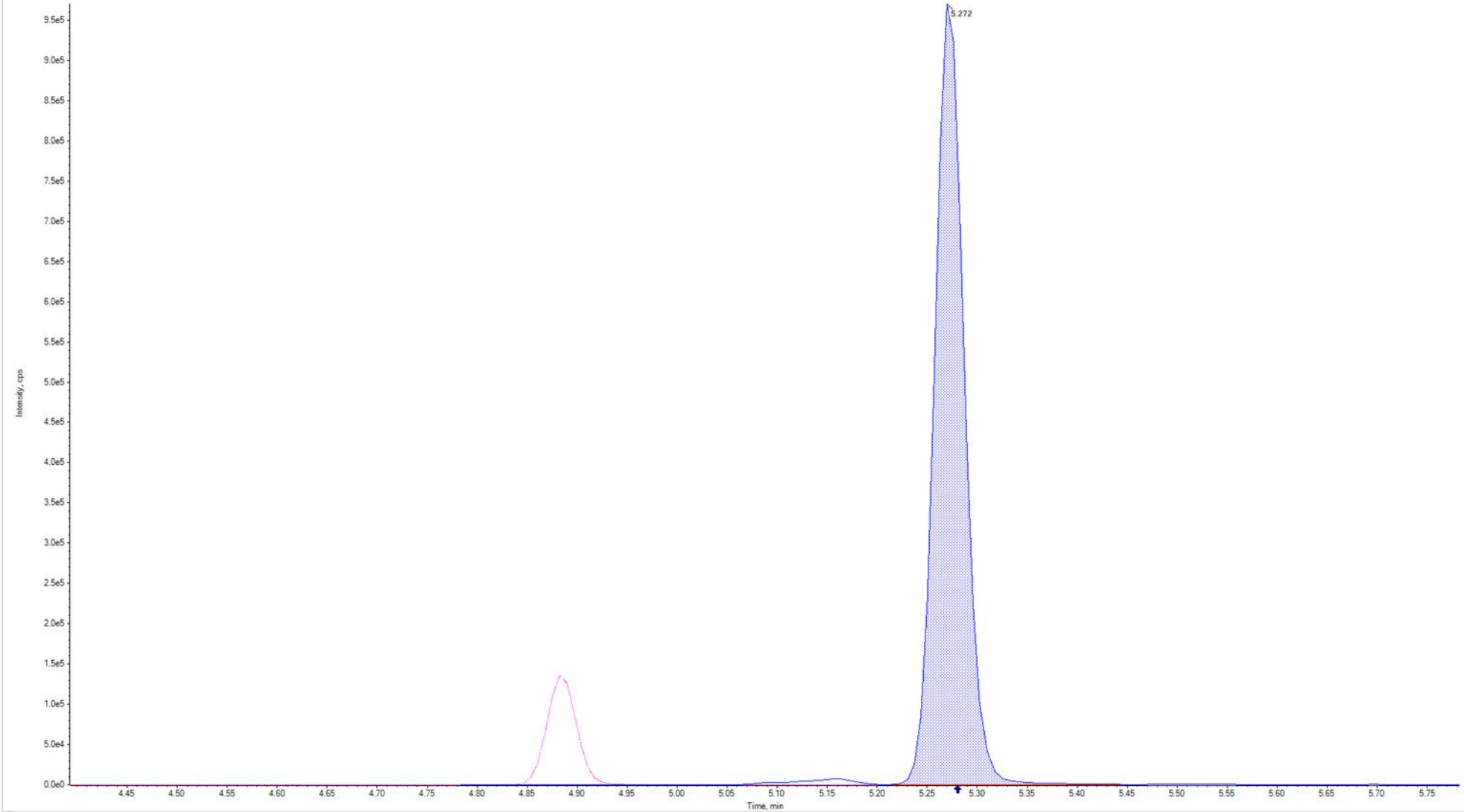
PFTrDA
Sample: CA1633STD-10 S/N:3787.8 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:27:20 PM
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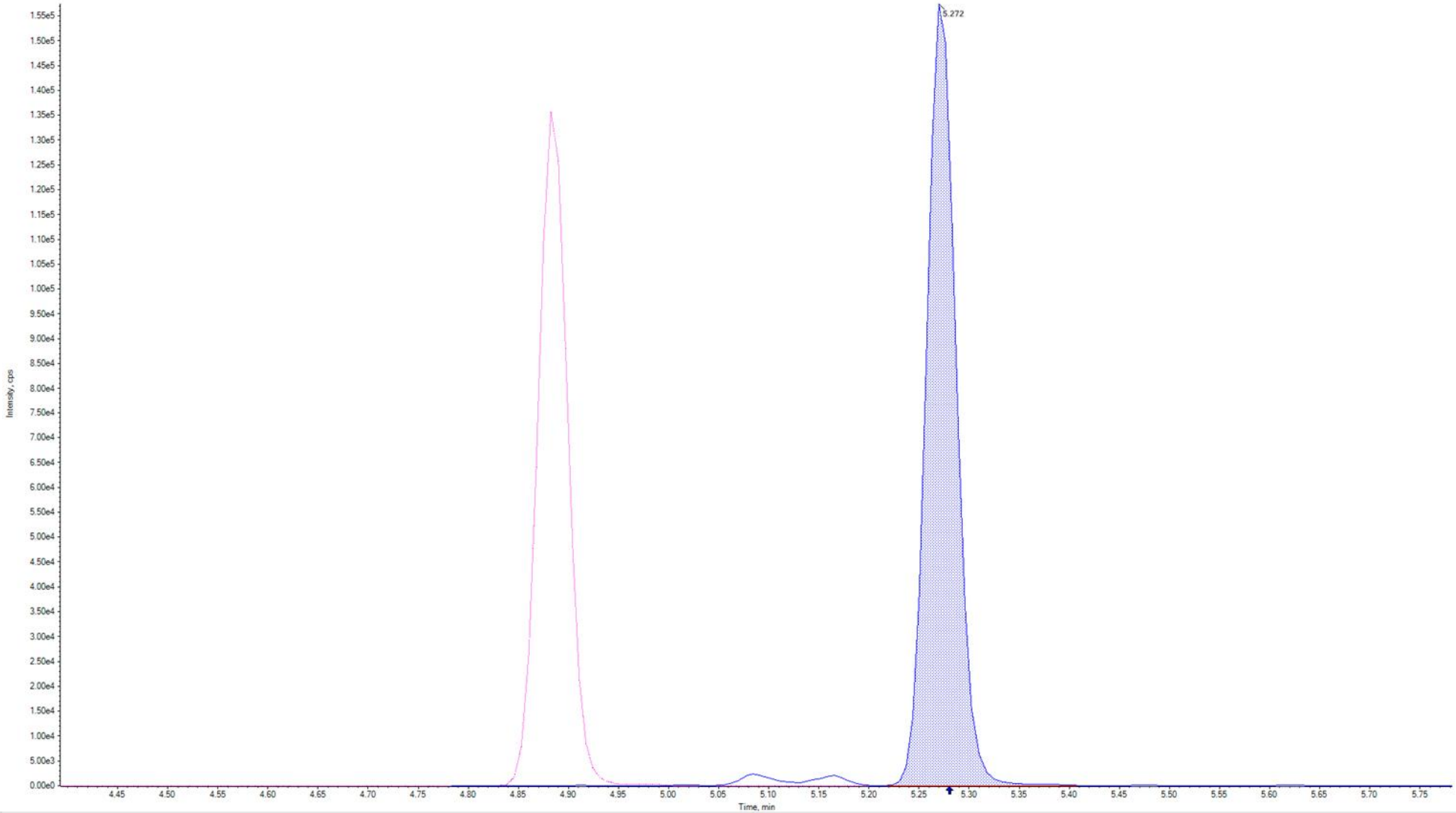
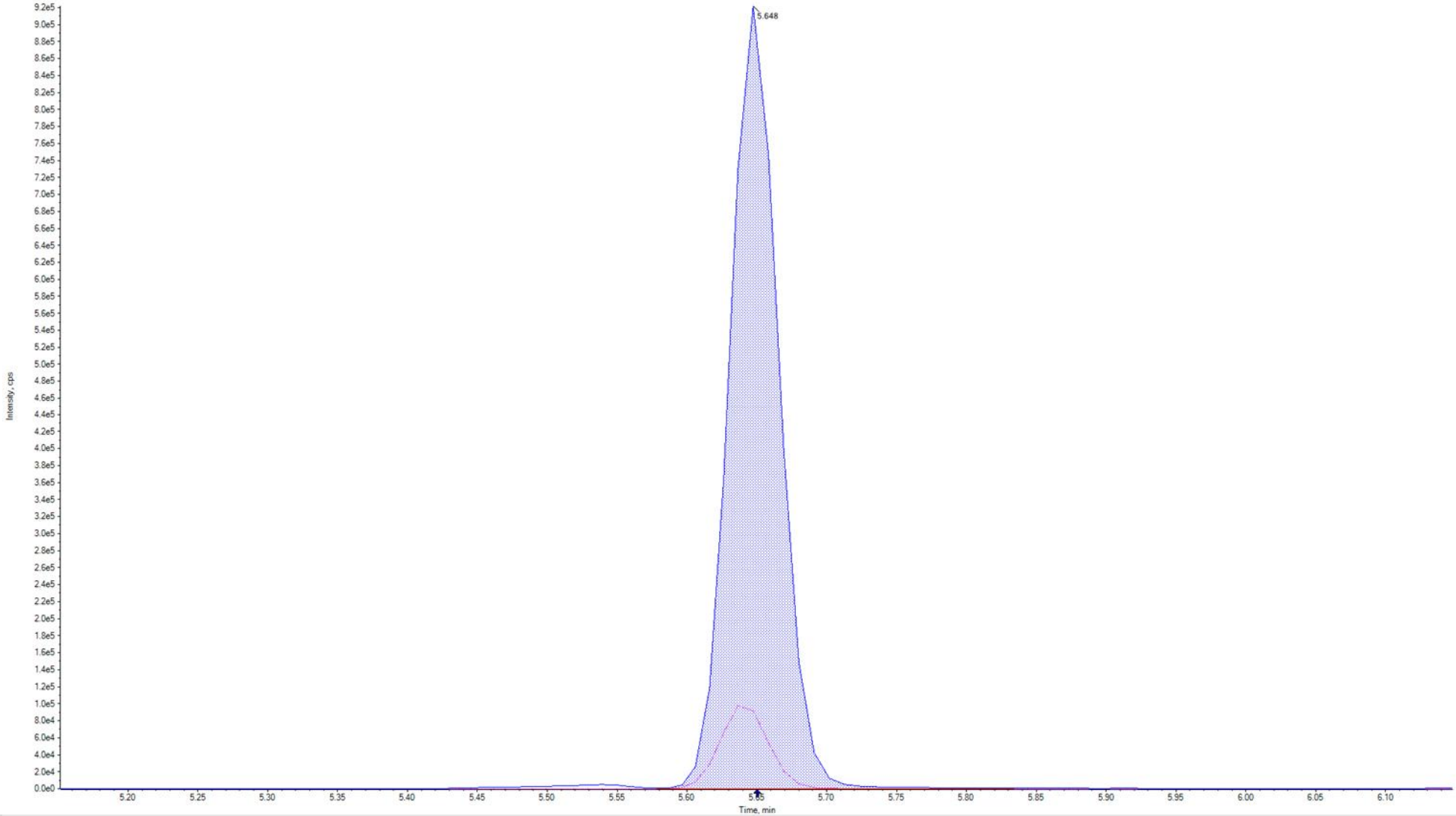
PFTrDA_2
Sample: CA1633STD-10 S/N:1739.2 Points Across peak:30

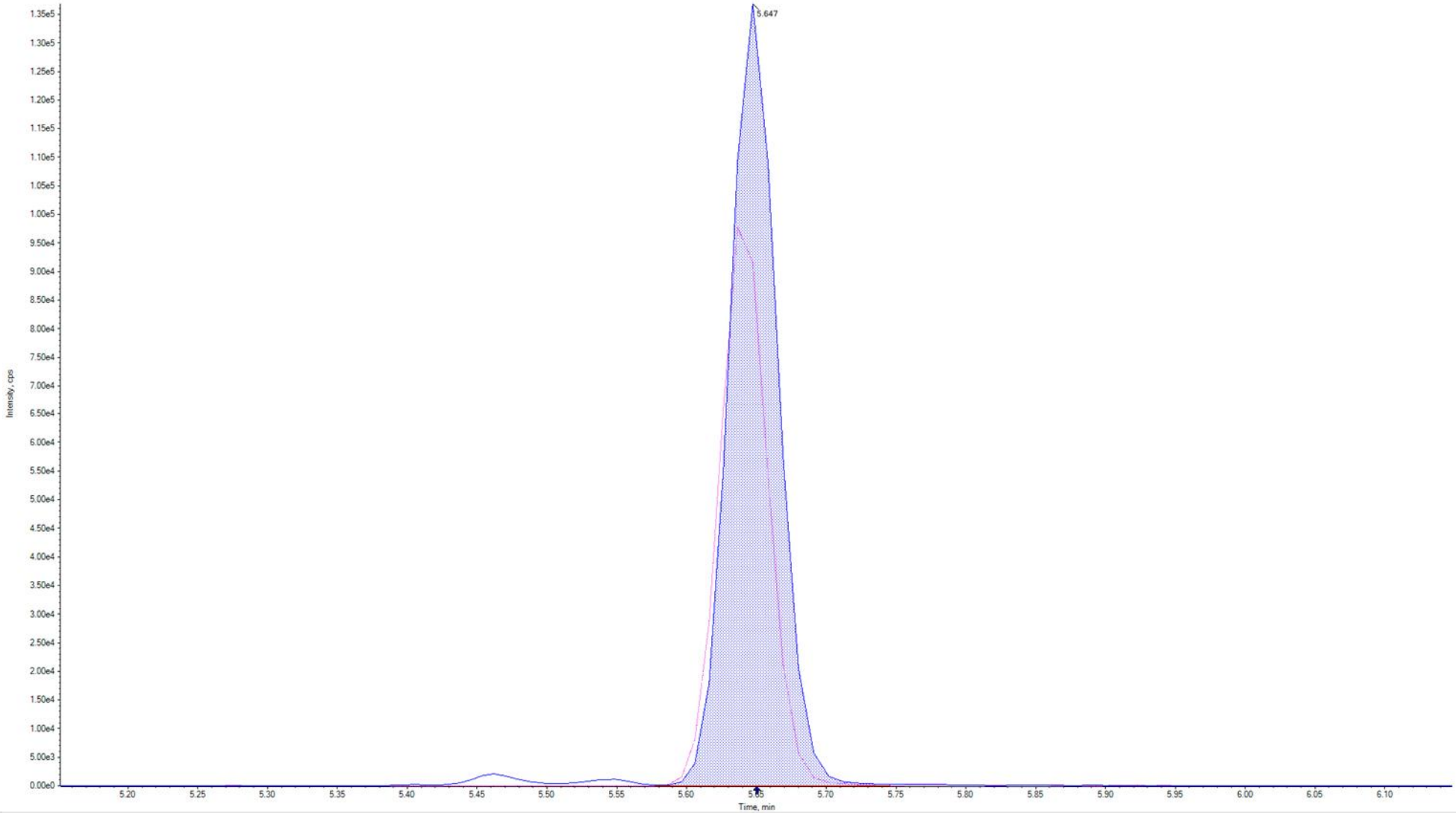


PFTeDA
Sample: CA1633STD-10 S/N:3046.5 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

PFTeDA_2
Sample: CA1633STD-10 S/N:1507.6 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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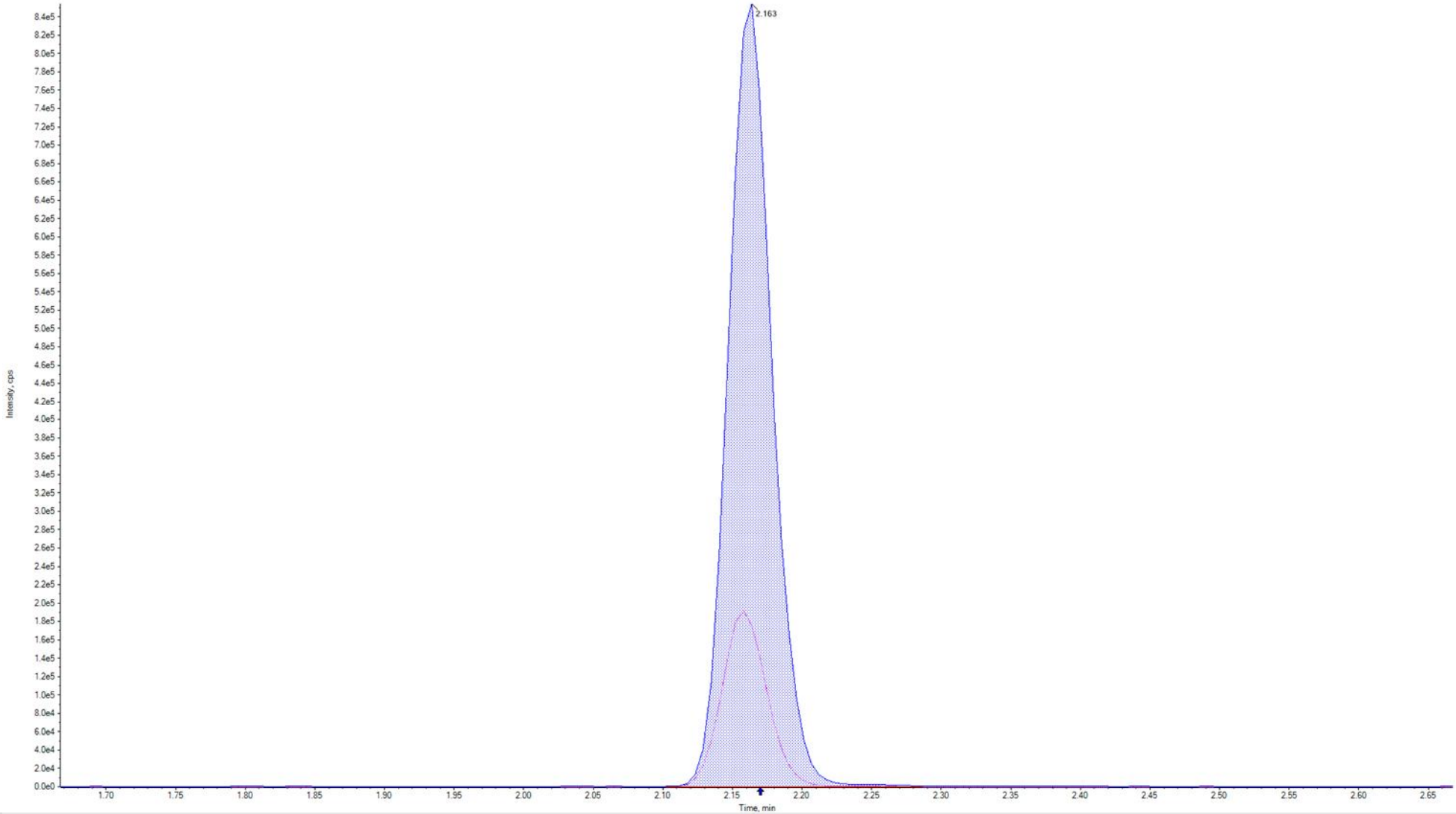
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

PFBS
Sample: CA1633STD-10 S/N:5490.5 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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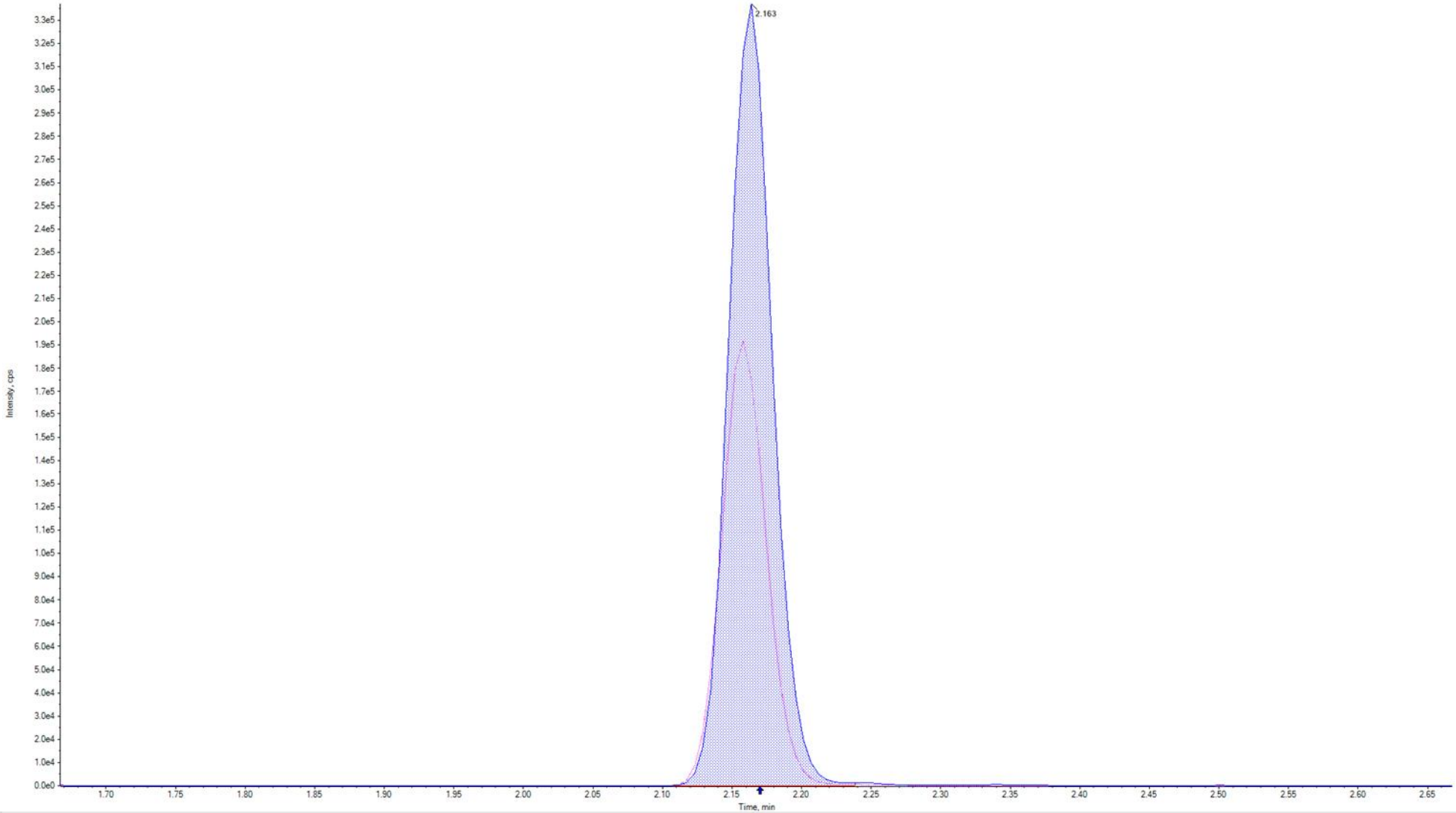
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

PFBS_2
Sample: CA1633STD-10 S/N:8447.1 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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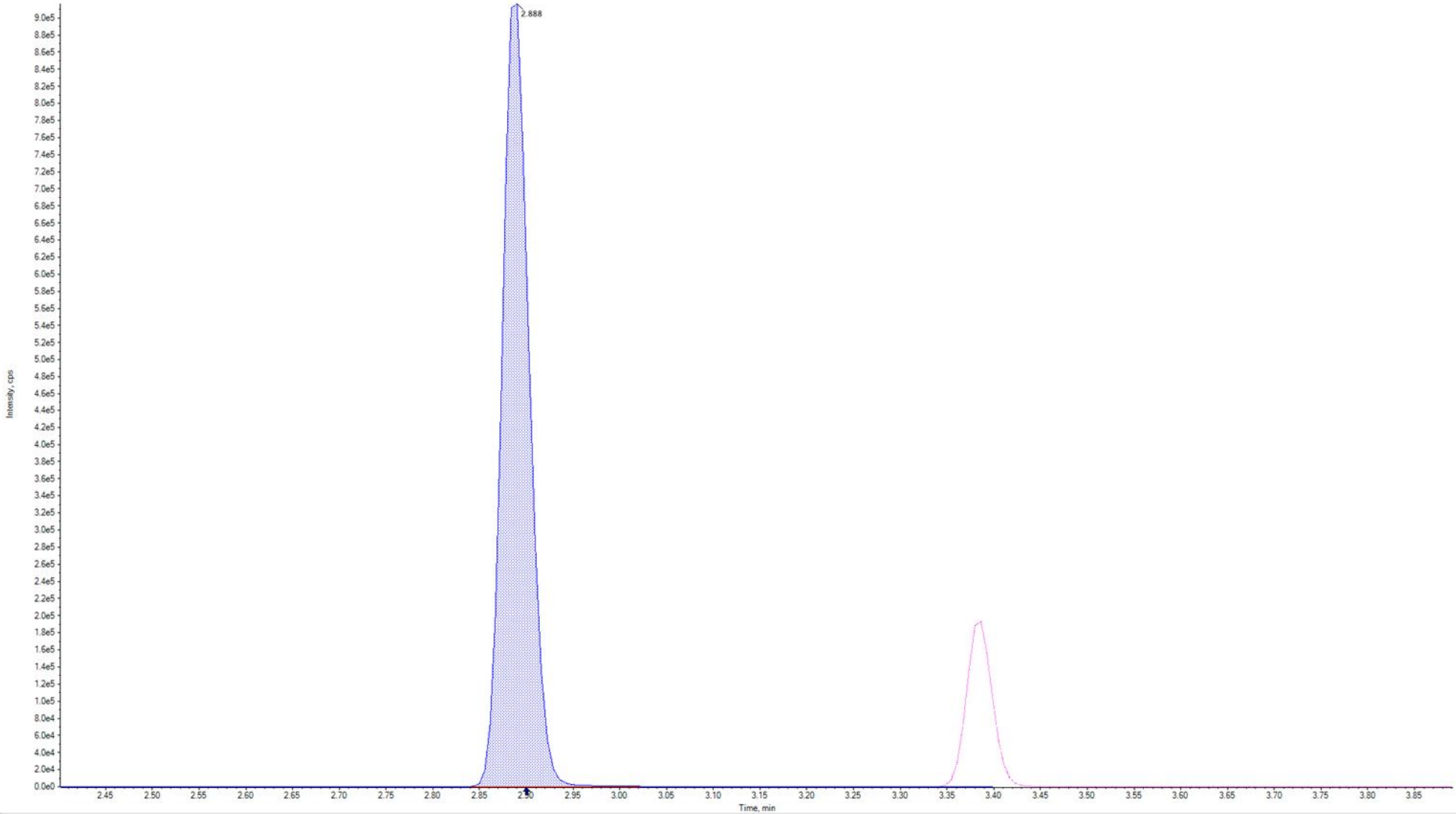
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

PFPeS
Sample: CA1633STD-10 S/N:7858.4 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:27:20 PM
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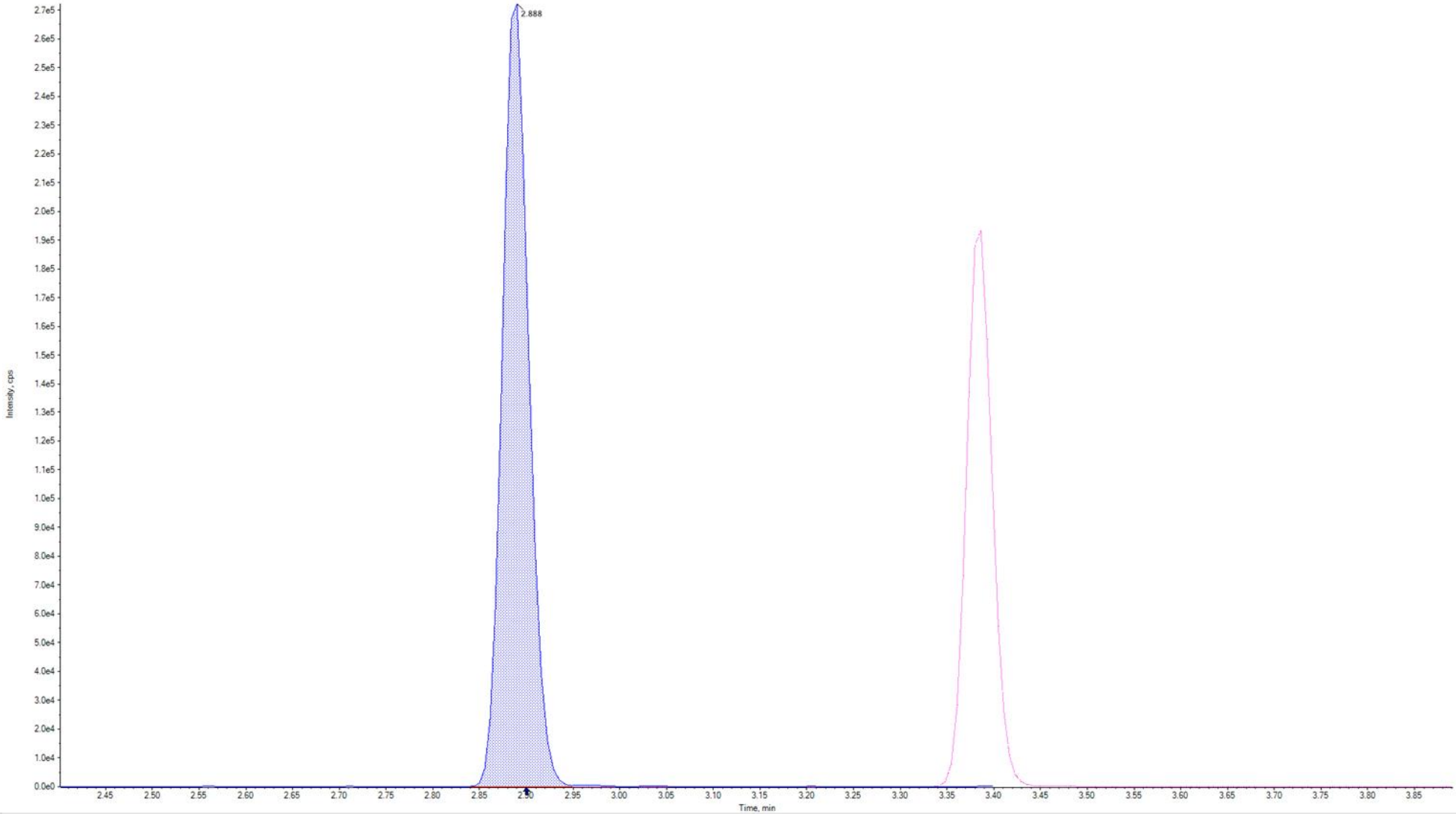
PFPeS_2
Sample: CA1633STD-10 S/N:4983.4 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:27:20 PM
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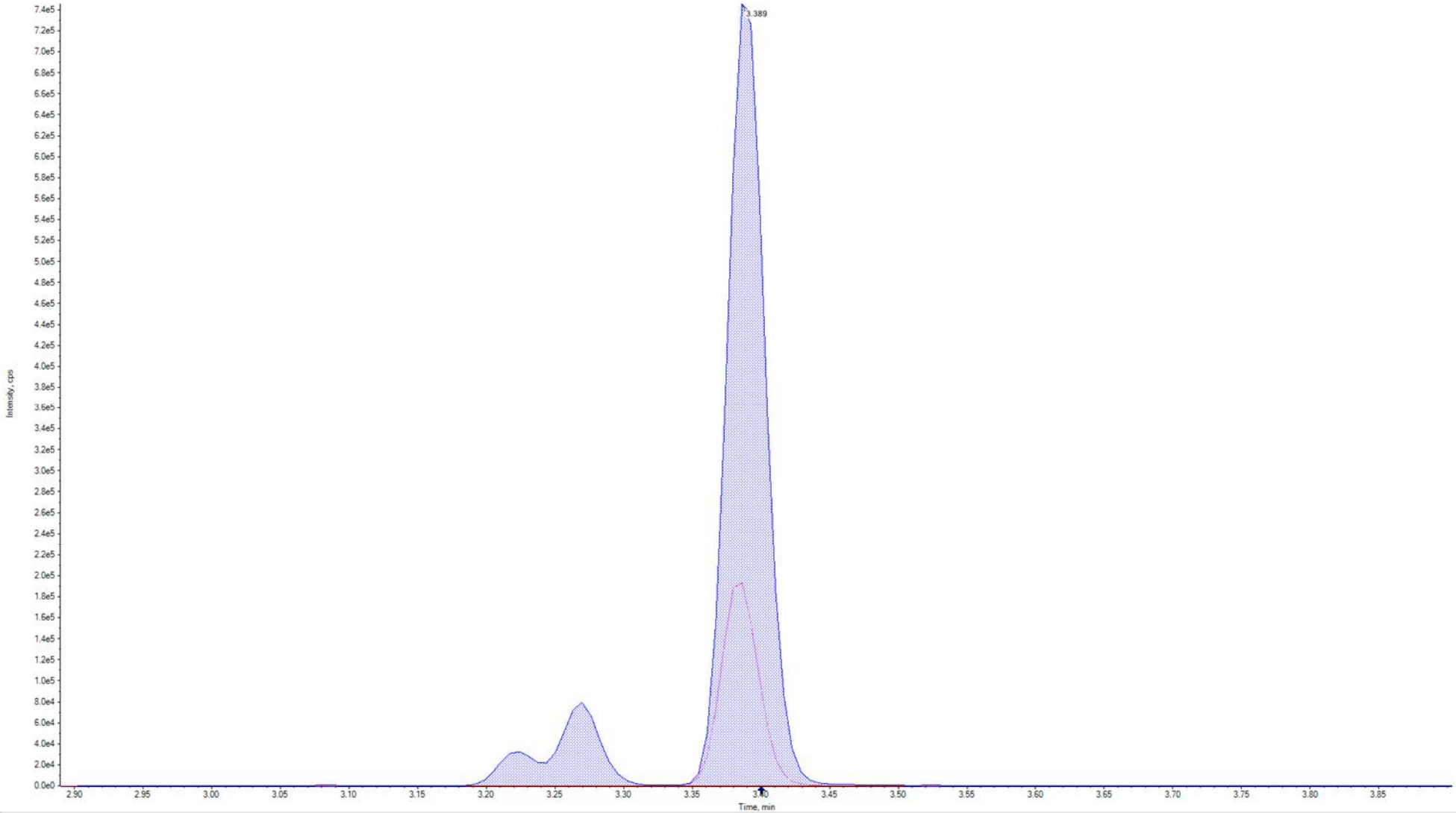
PFHxS
Sample: CA1633STD-10 S/N:1347.6 Points Across peak:53



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:27:20 PM
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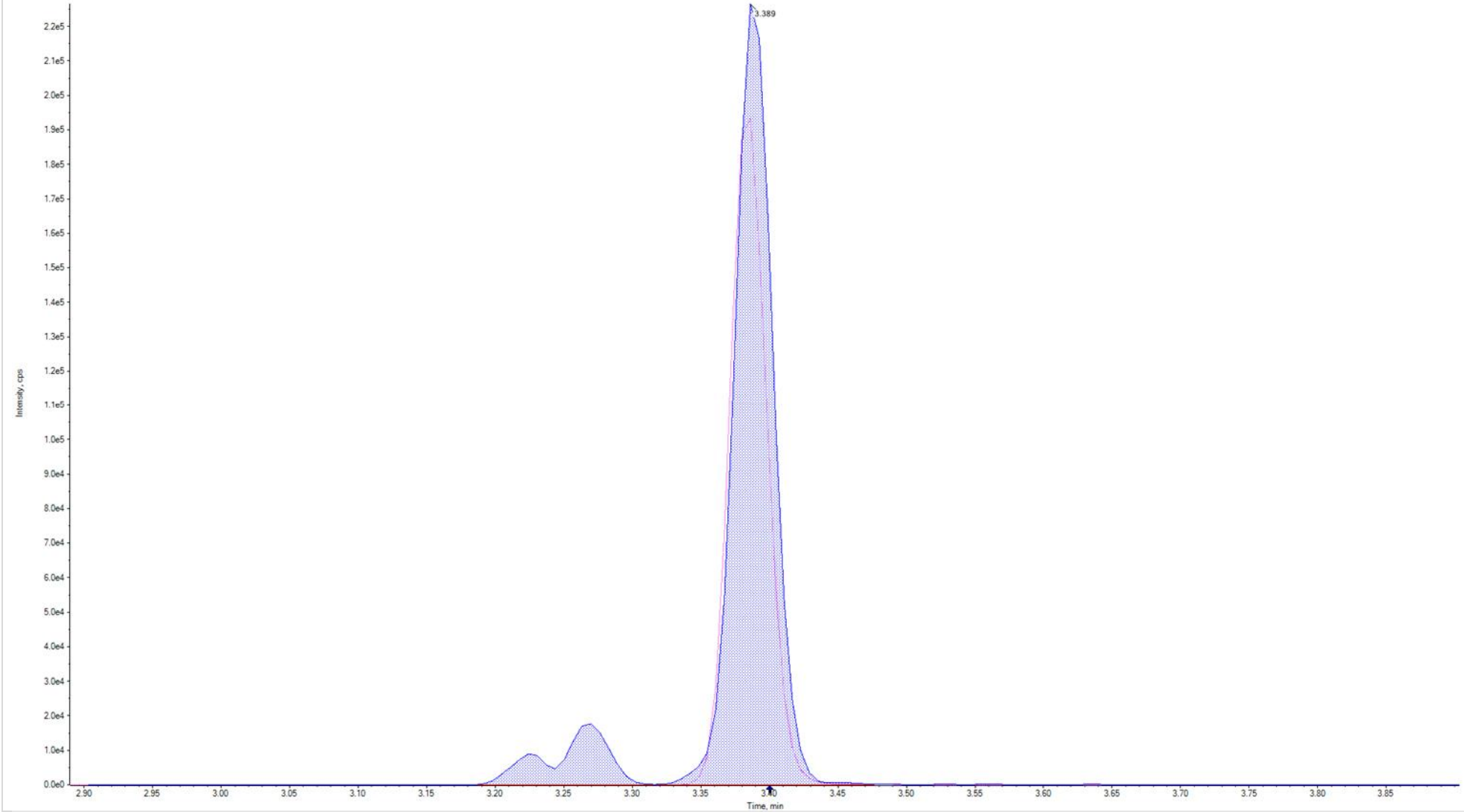
PFHxS_2
Sample: CA1633STD-10 S/N:1351.9 Points Across peak:48



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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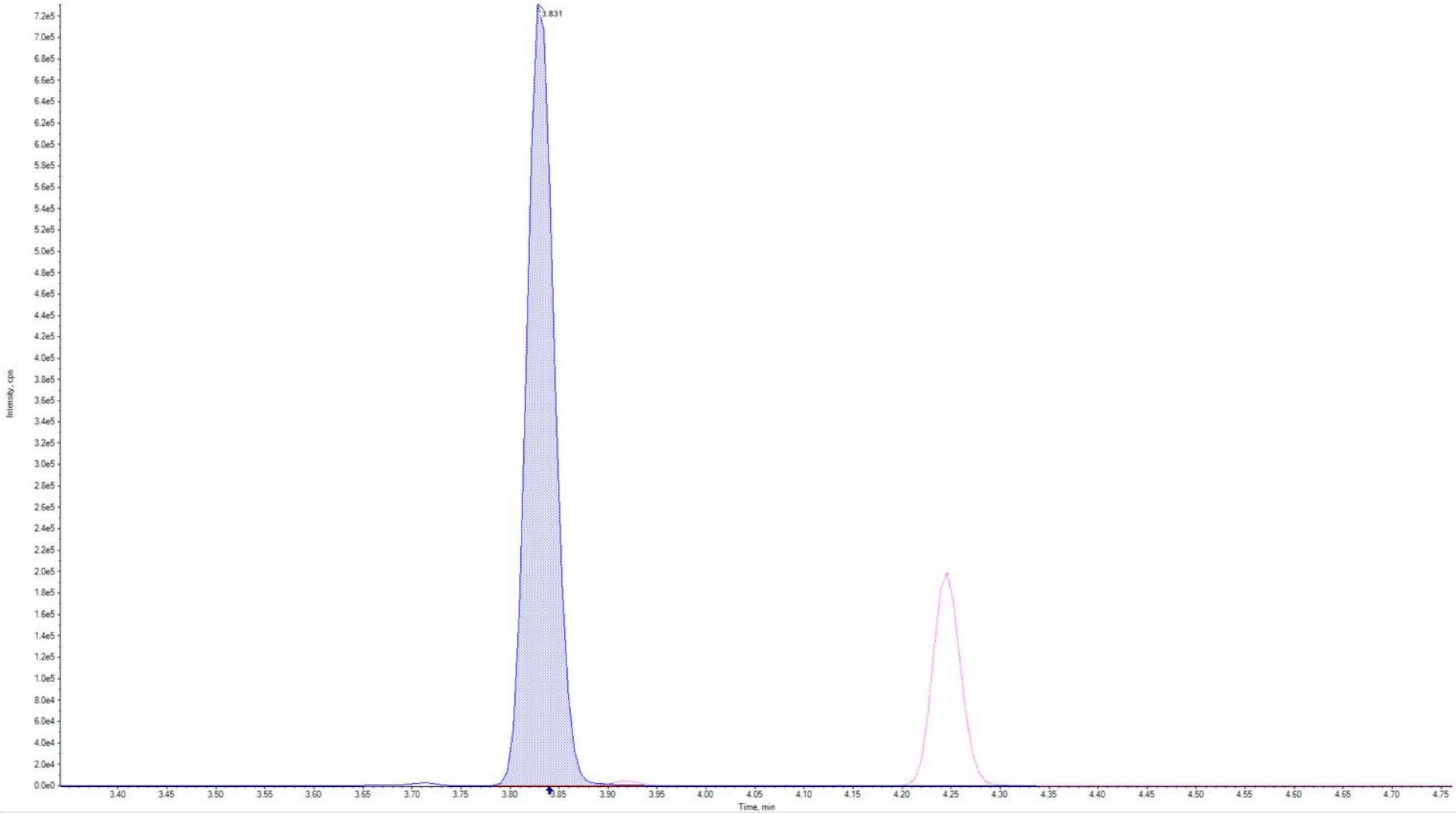
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

PFHpS
Sample: CA1633STD-10 S/N:4566.5 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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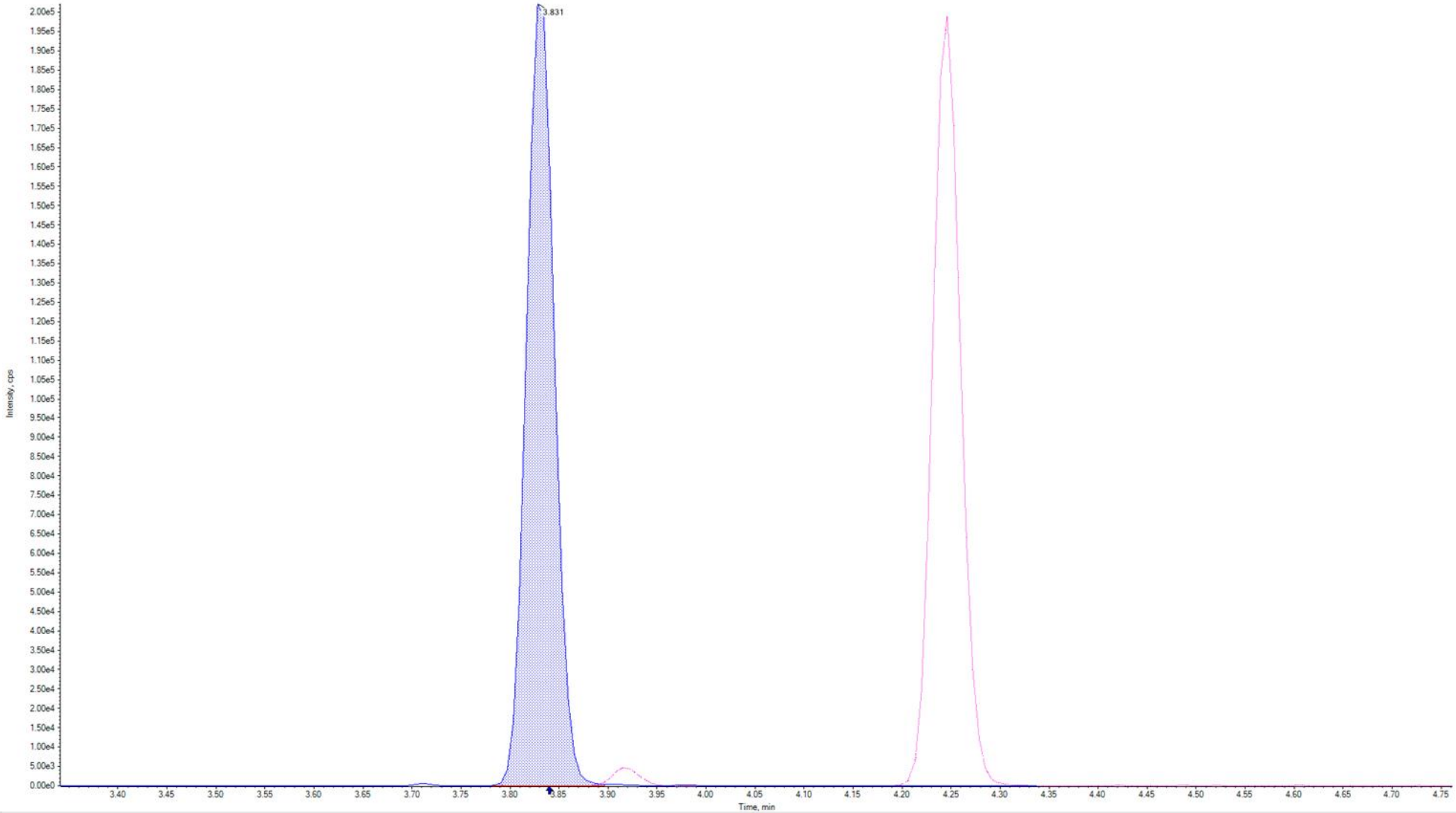
PFHpS_2
Sample: CA1633STD-10 S/N:3940.1 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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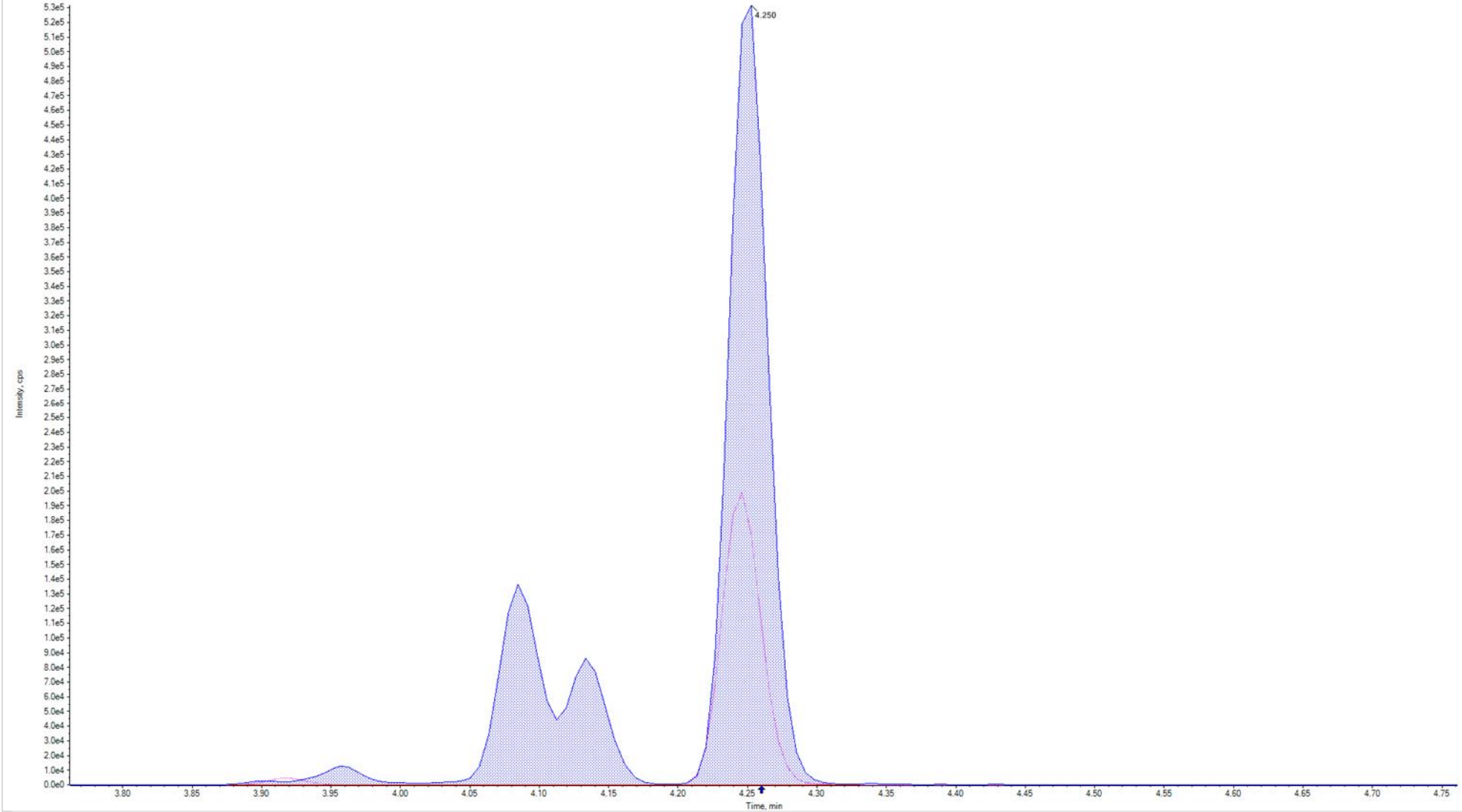
PFOS
Sample: CA1633STD-10 S/N:361.7 Points Across peak:72



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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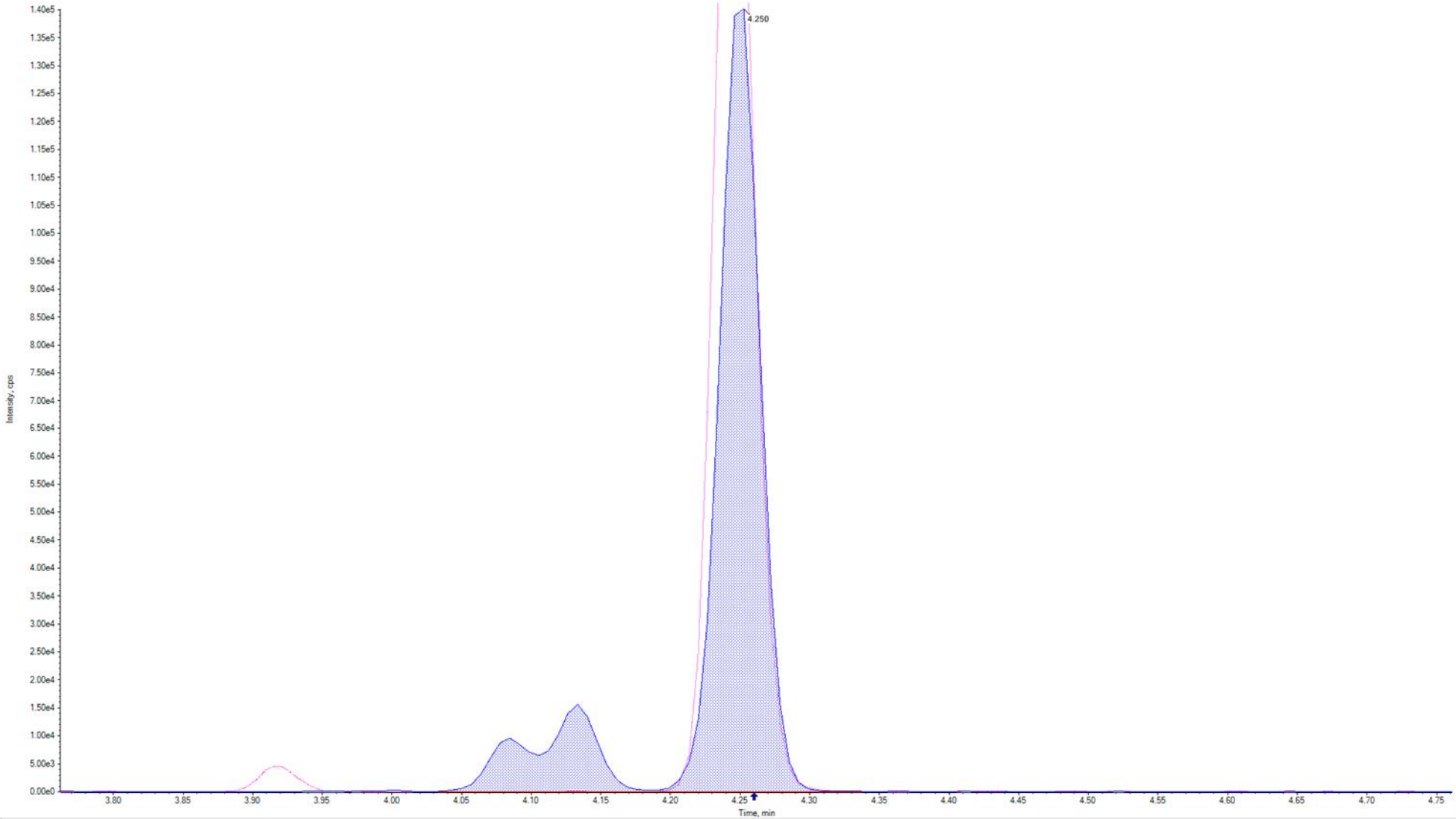
PFOS_2
Sample: CA1633STD-10 S/N:977.5 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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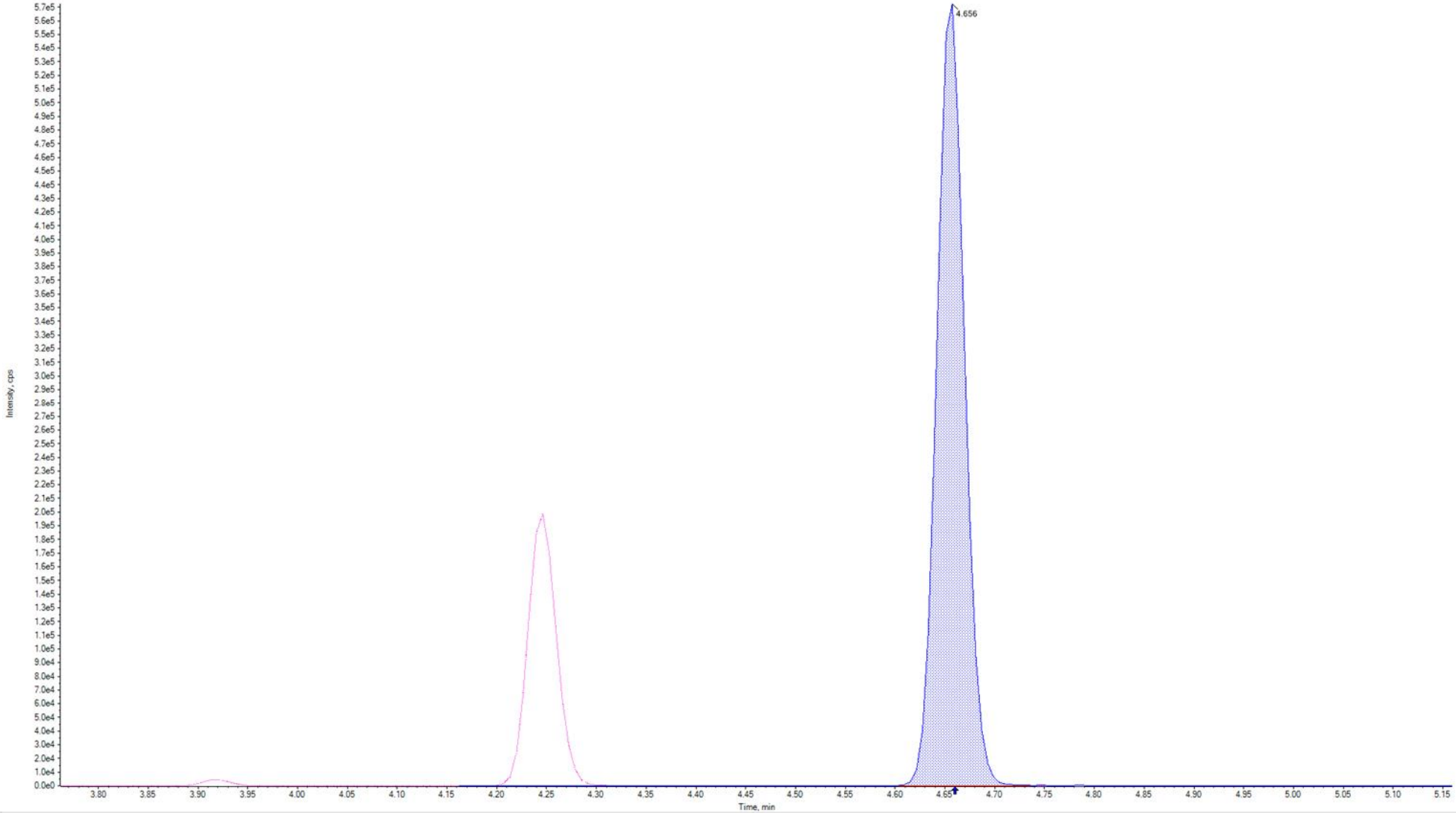
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

PFNS
Sample: CA1633STD-10 S/N:4193.8 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:27:20 PM
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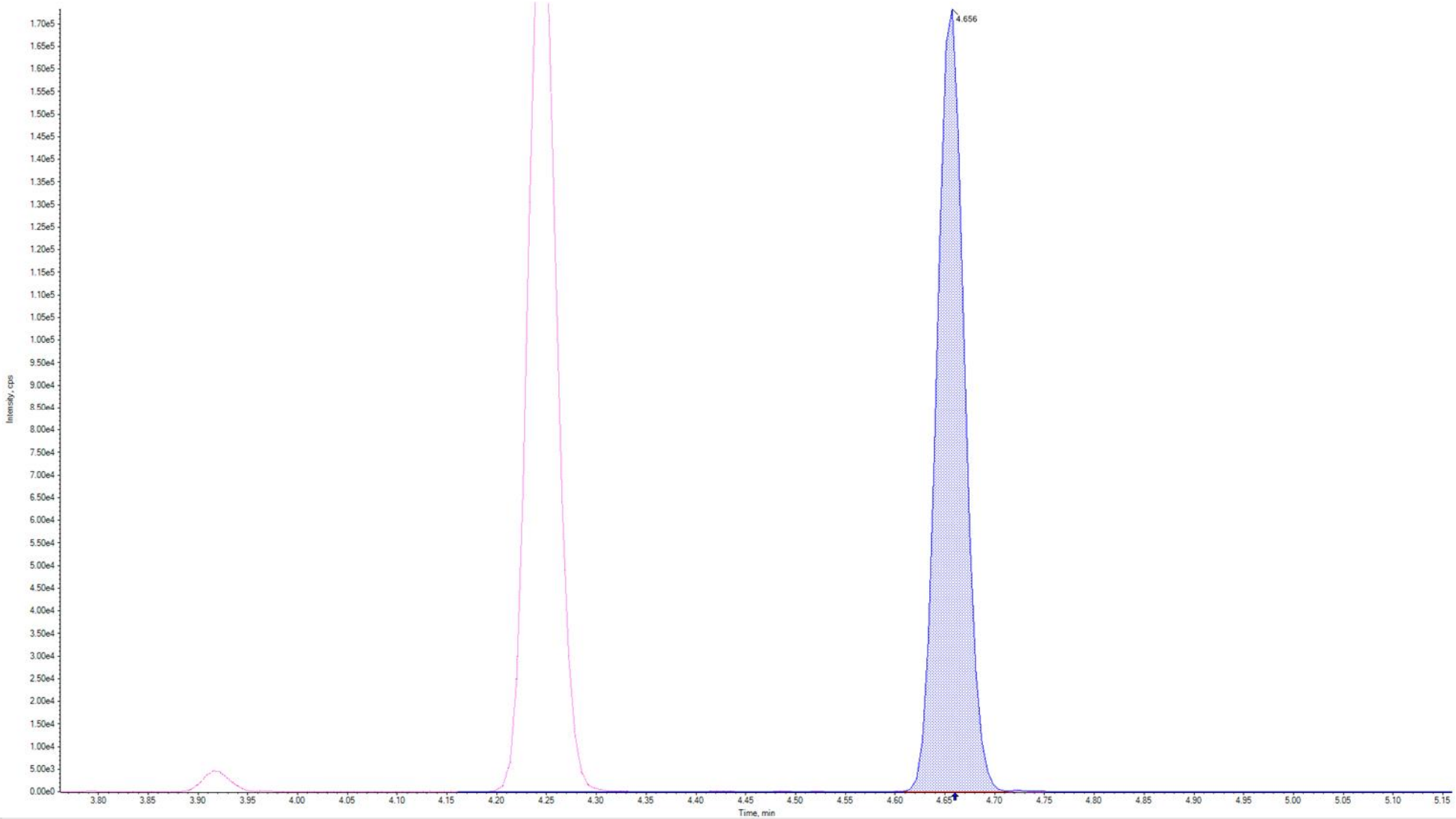
PFNS_2
Sample: CA1633STD-10 S/N:4342.3 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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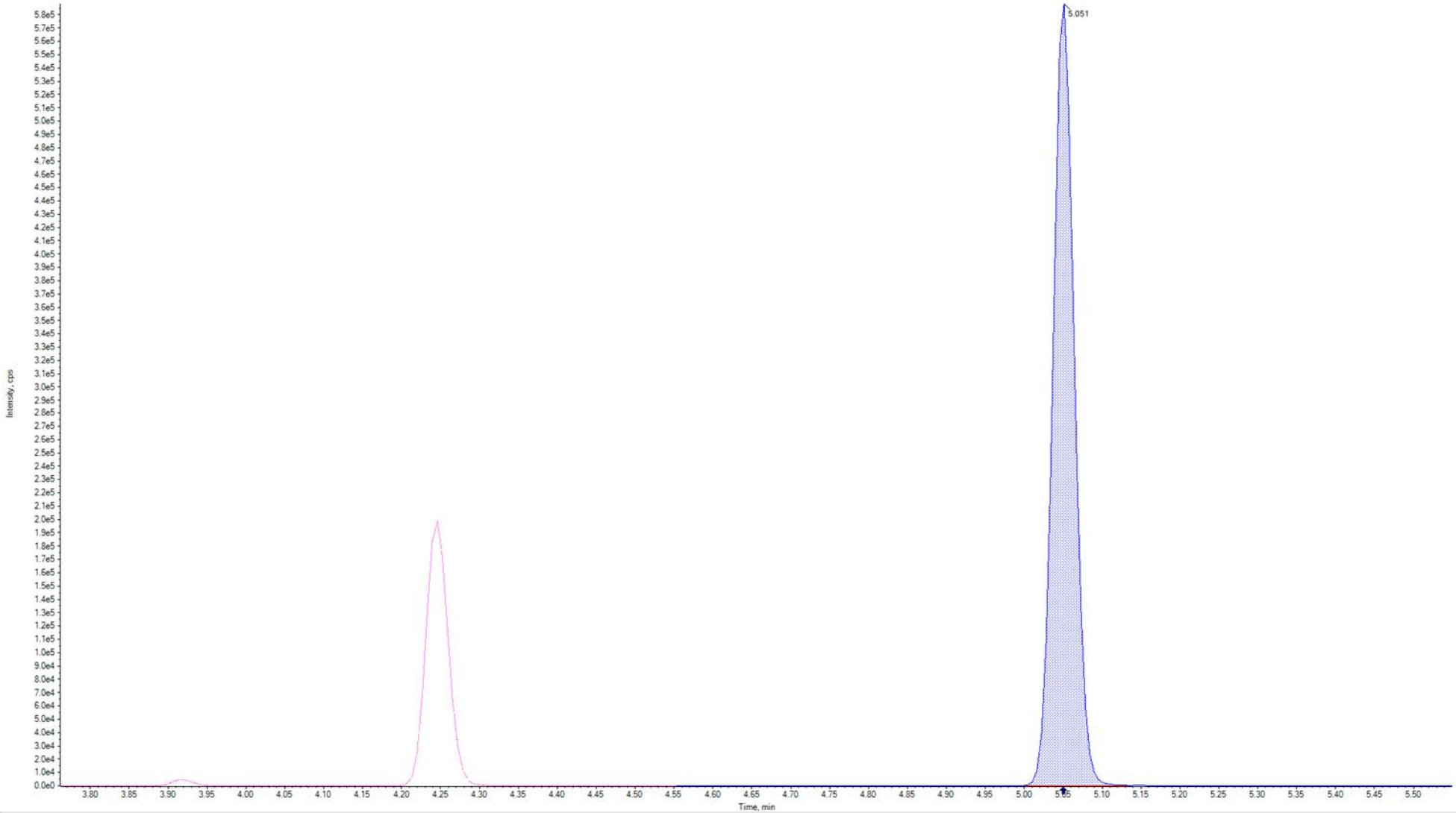
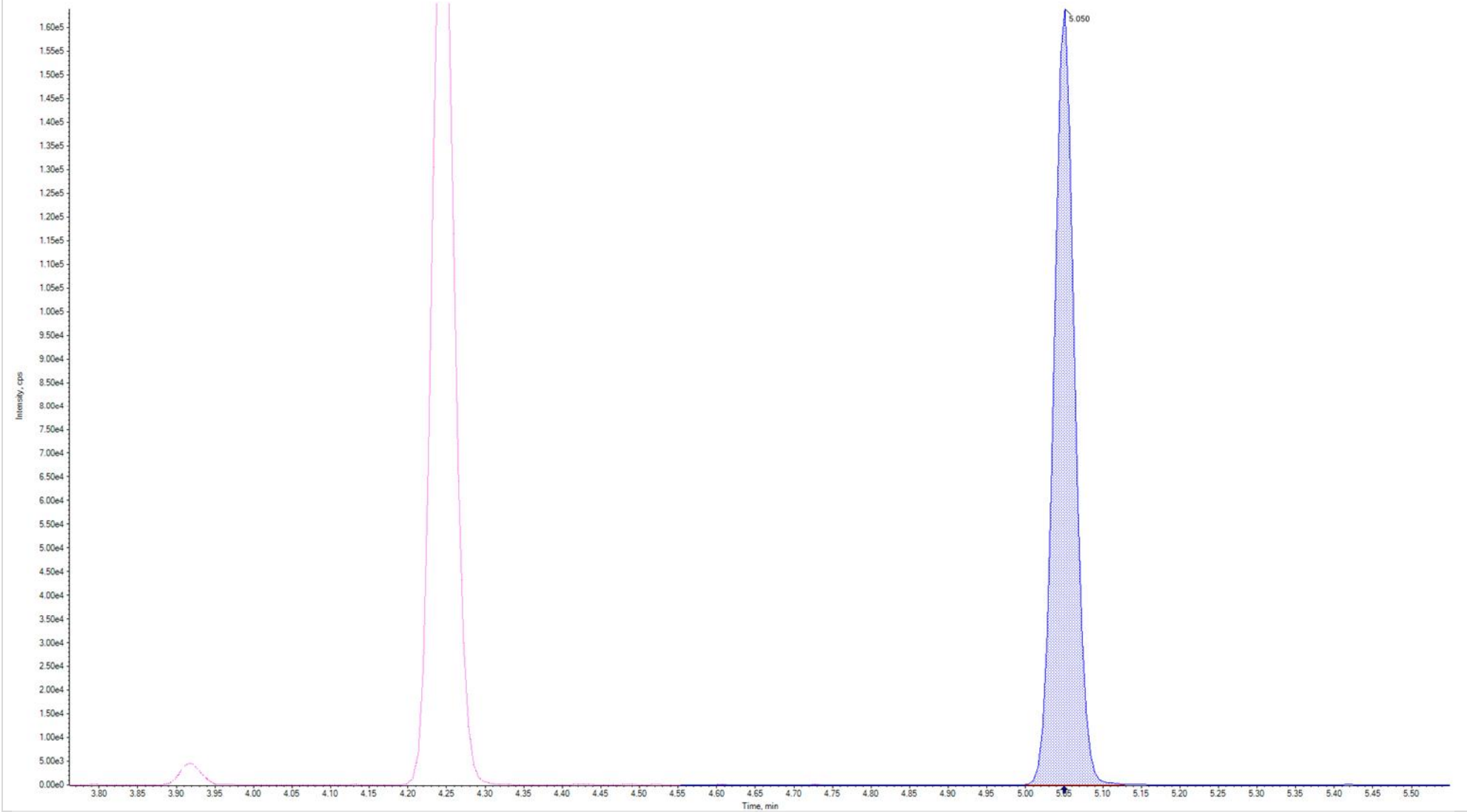
PFDS
Sample: CA1633STD-10 S/N:5112.3 Points Across peak:28



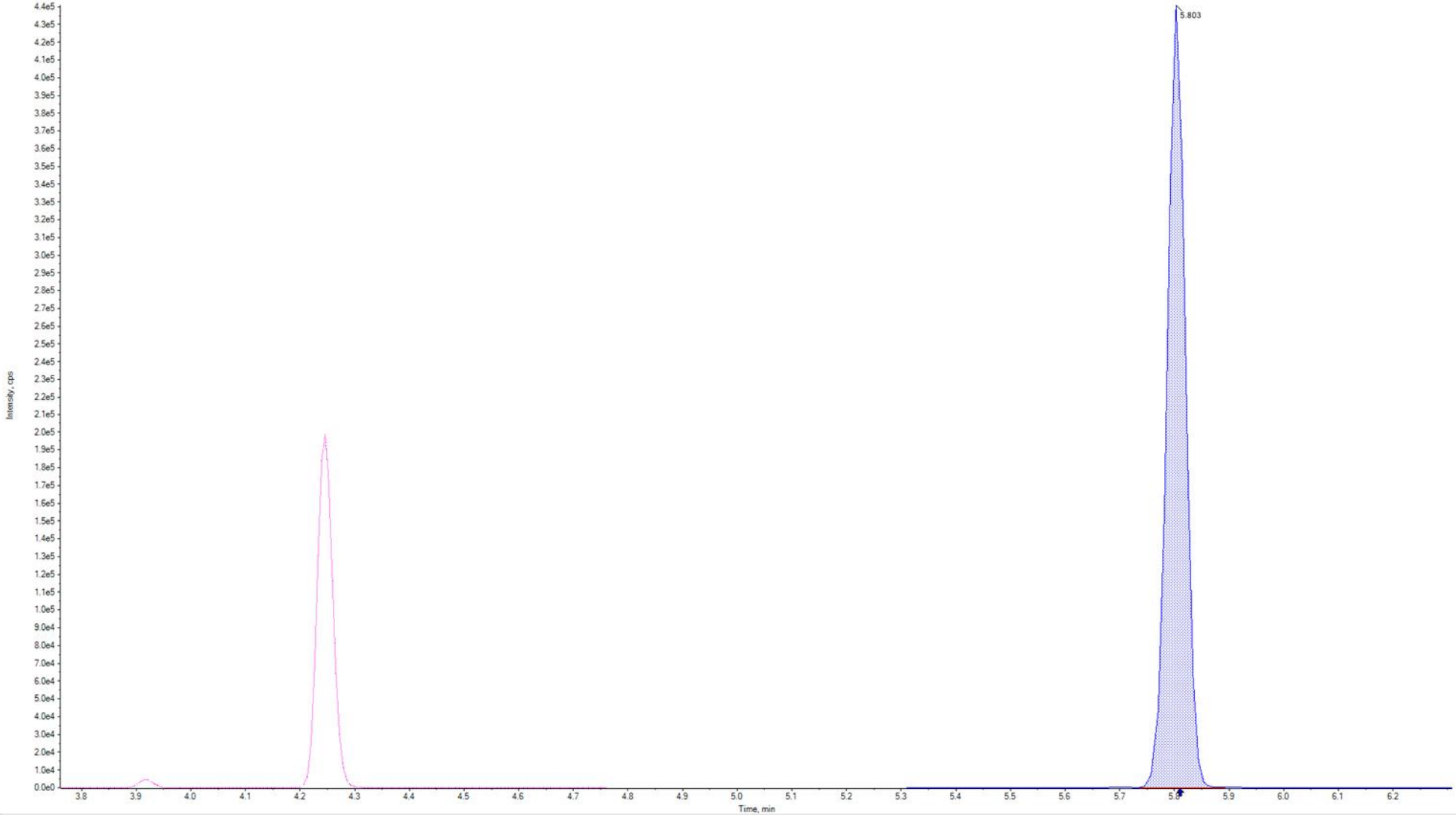
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

PFDS_2
Sample: CA1633STD-10 S/N:5752.7 Points Across peak:29



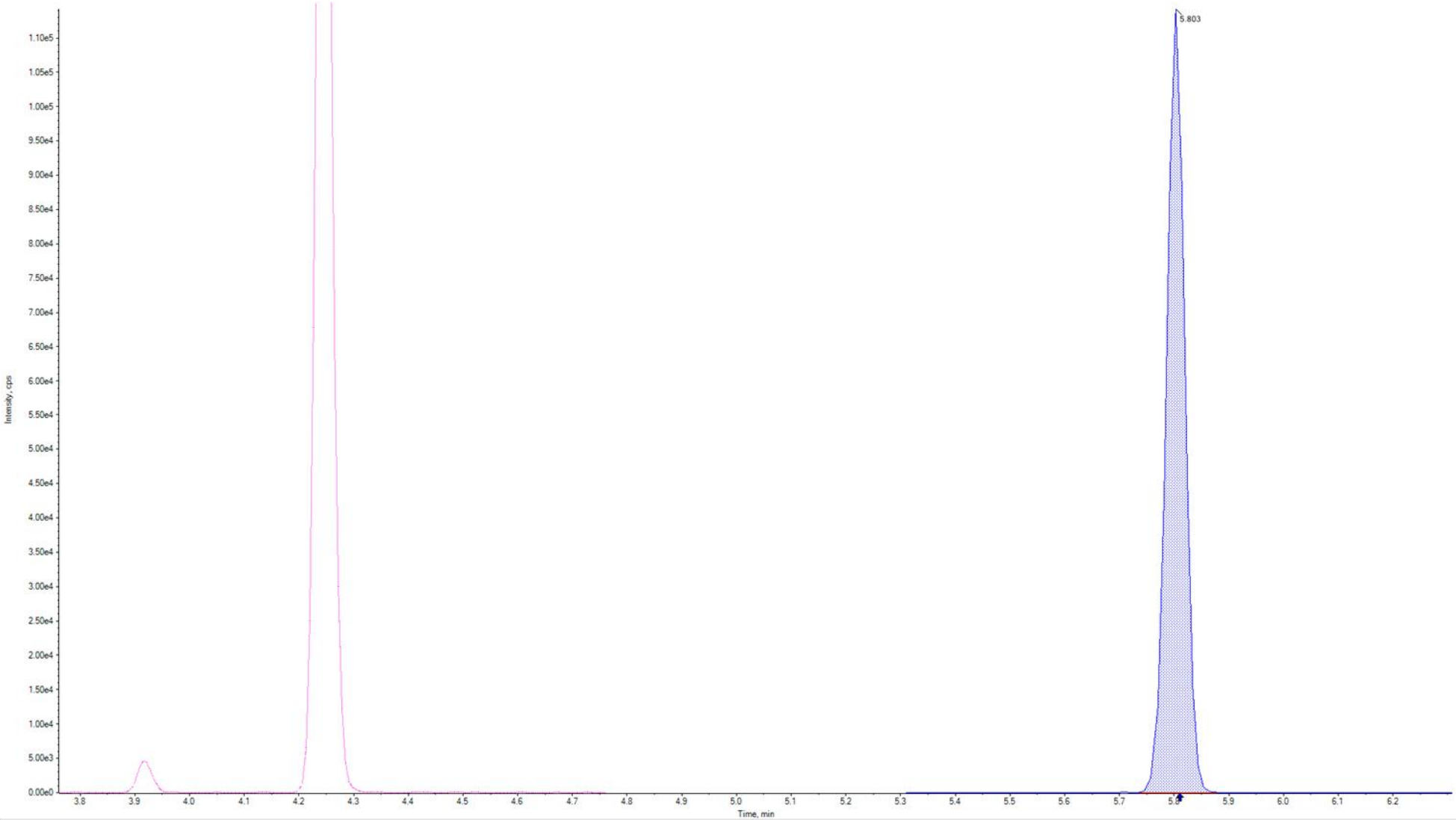
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

PFDoS
Sample: CA1633STD-10 S/N:16001.3 Points Across peak:16



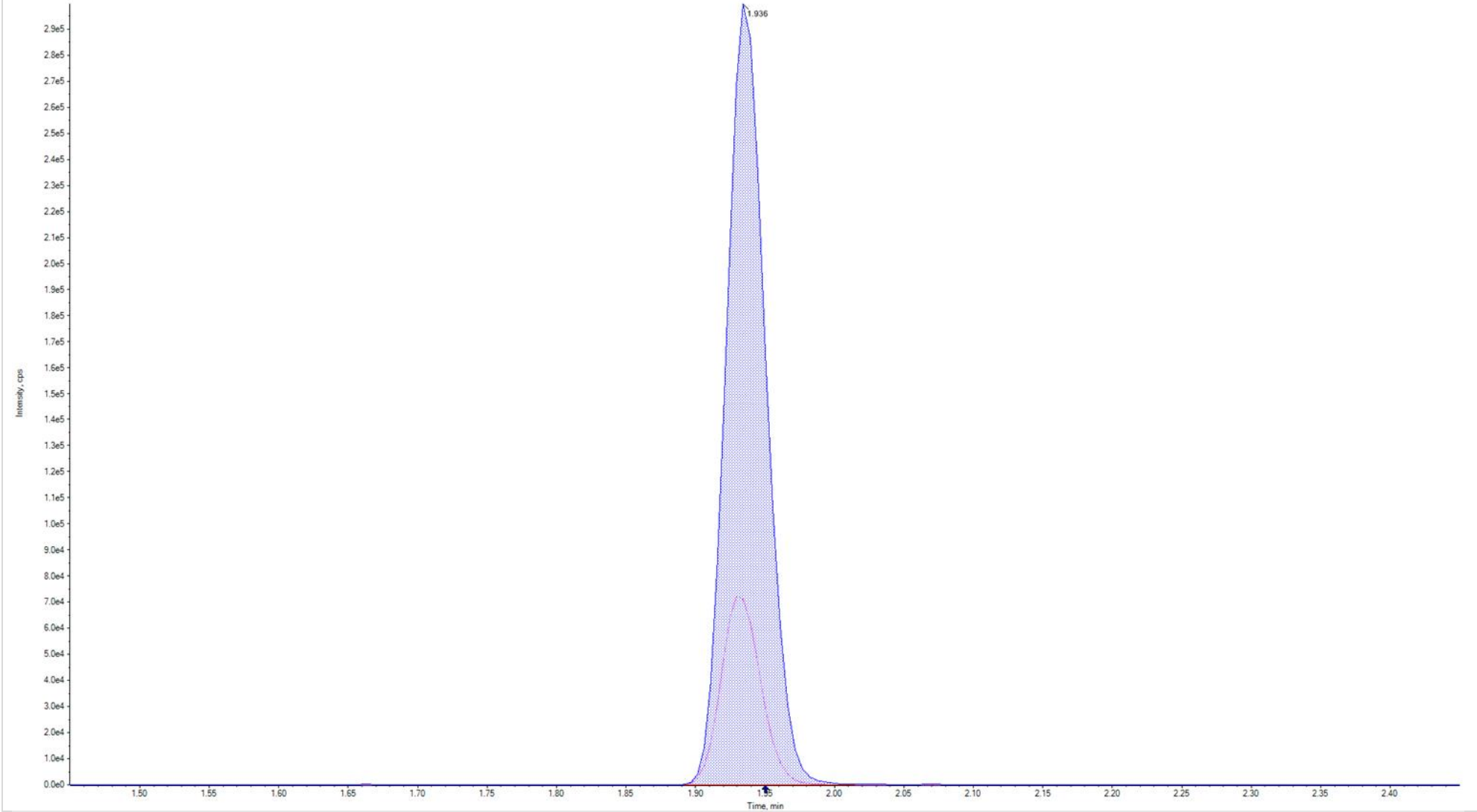
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

PFDoS_2
Sample: CA1633STD-10 S/N:2892.5 Points Across peak:21



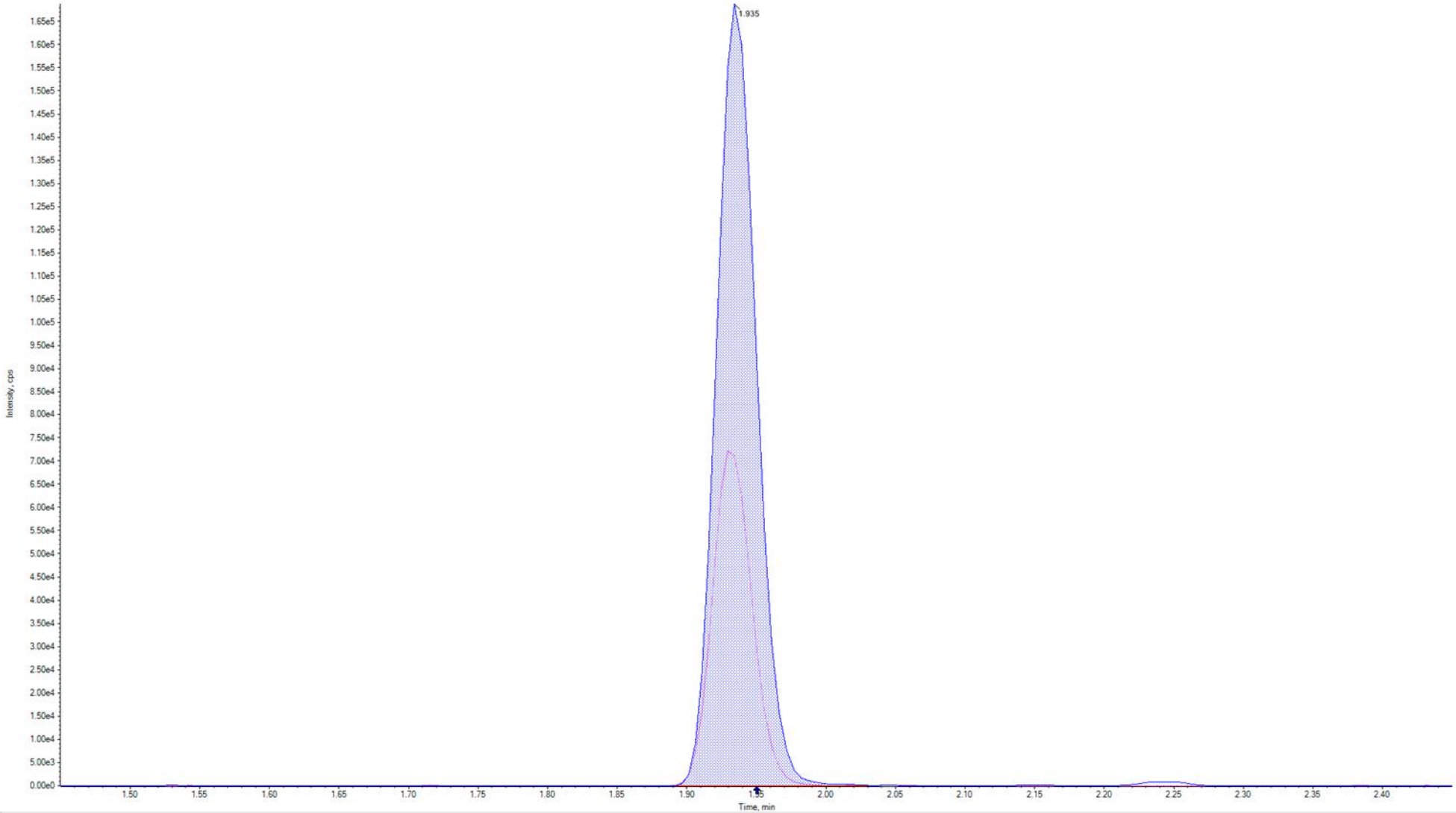
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

4:2FTS
Sample: CA1633STD-10 S/N:7534.5 Points Across peak:28



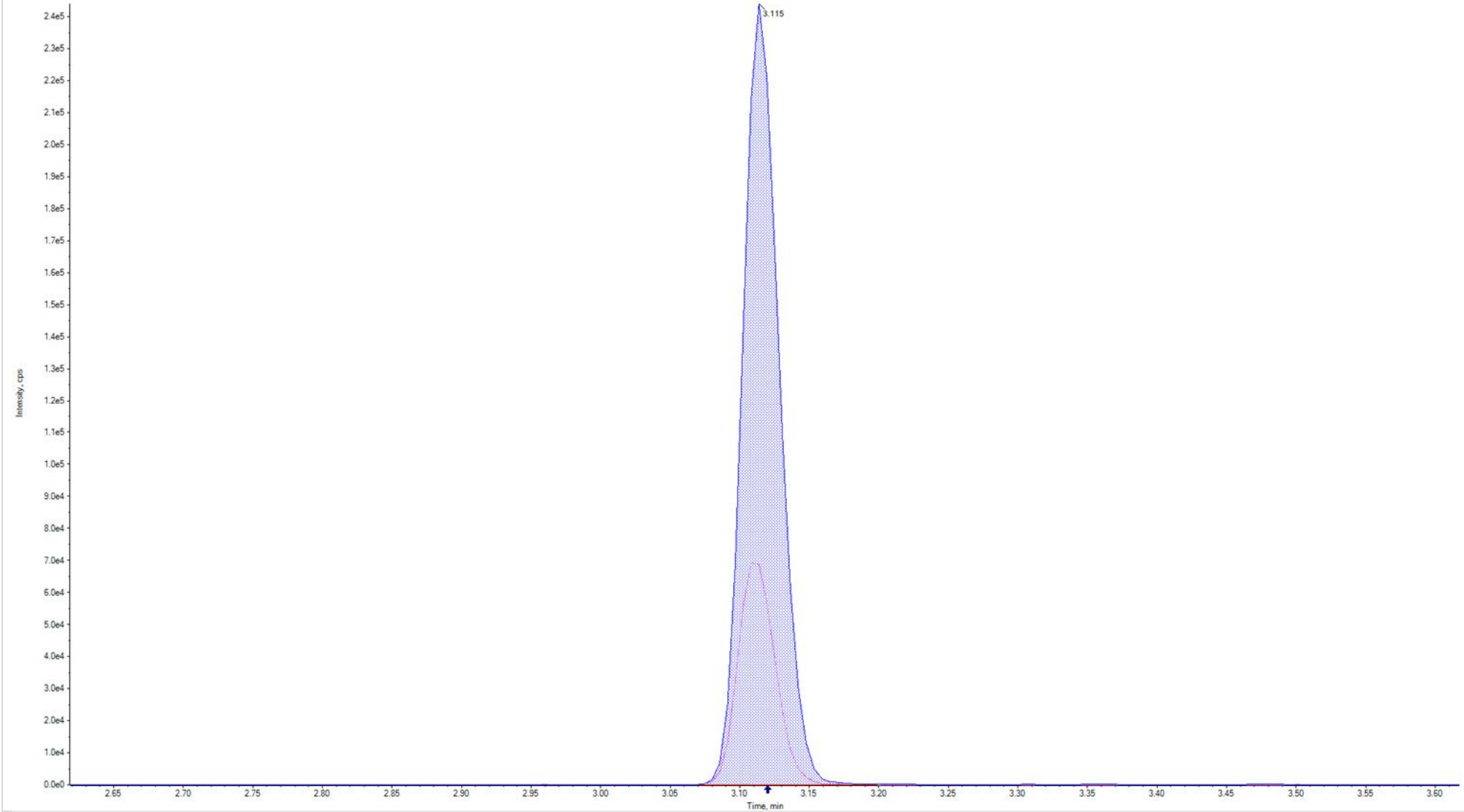
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

4:2FTS_2
Sample: CA1633STD-10 S/N:6345.2 Points Across peak:31



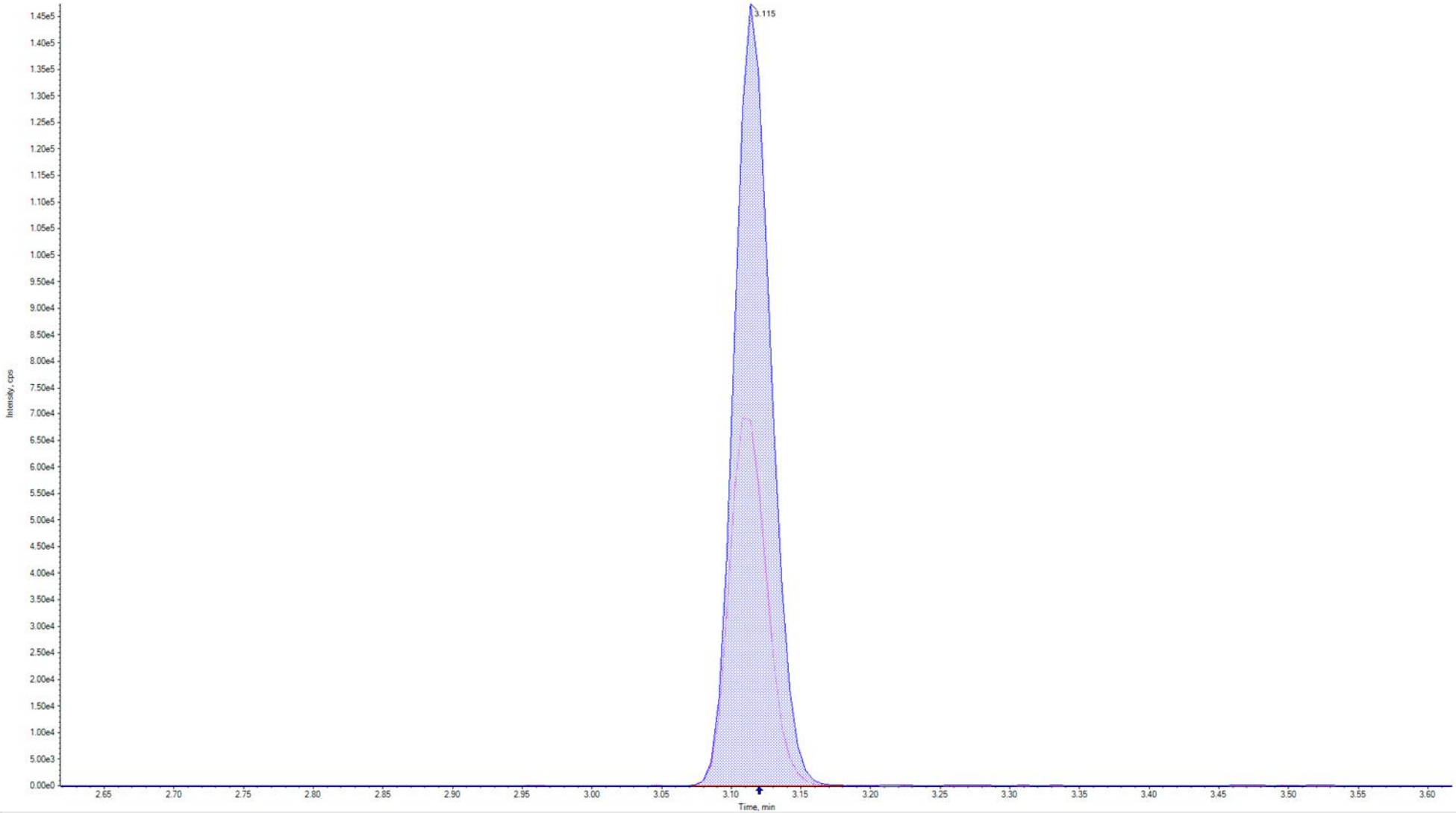
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

6:2FTS
Sample: CA1633STD-10 S/N:4892.5 Points Across peak:27



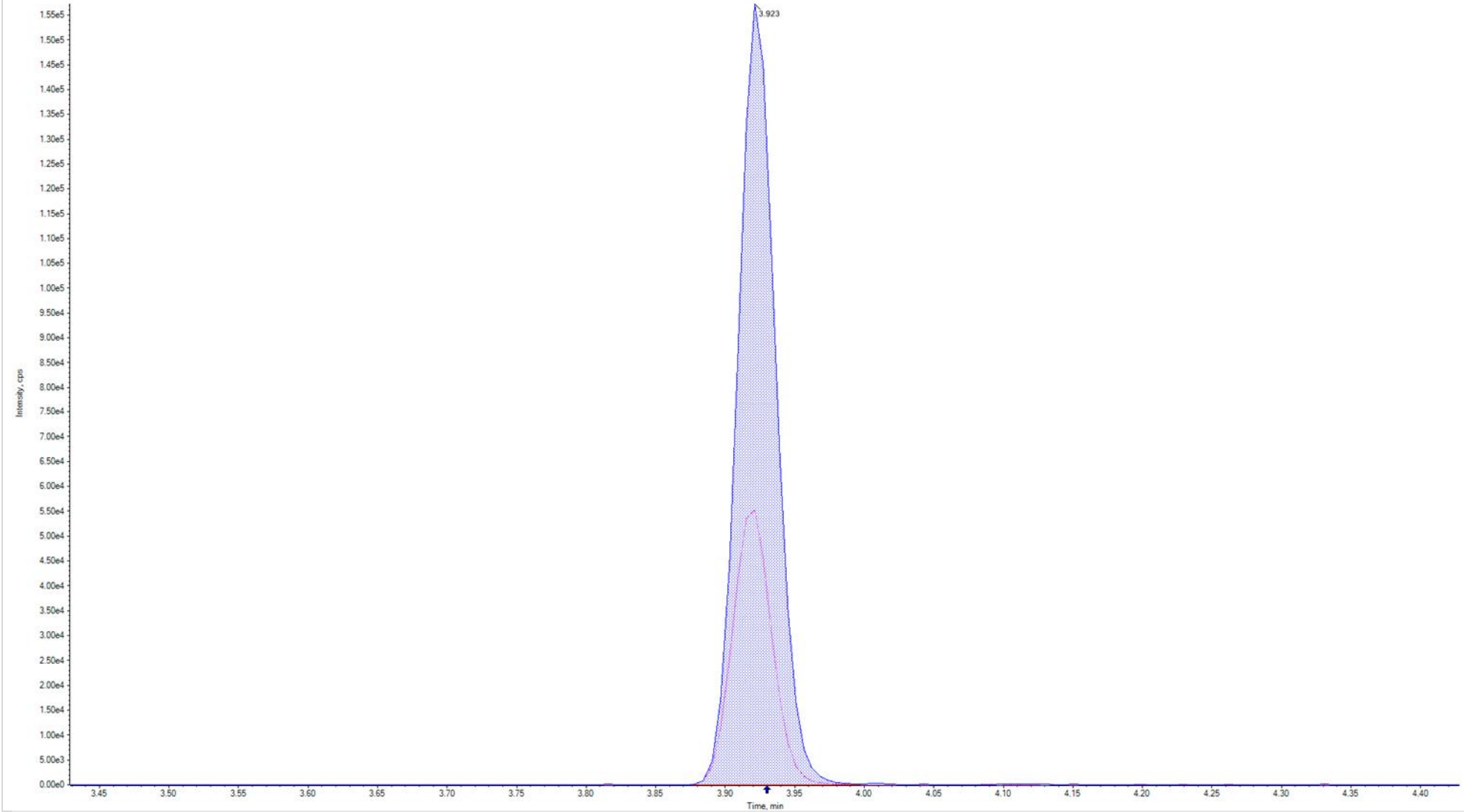
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

6:2FTS_2
Sample: CA1633STD-10 S/N:2954.6 Points Across peak:25



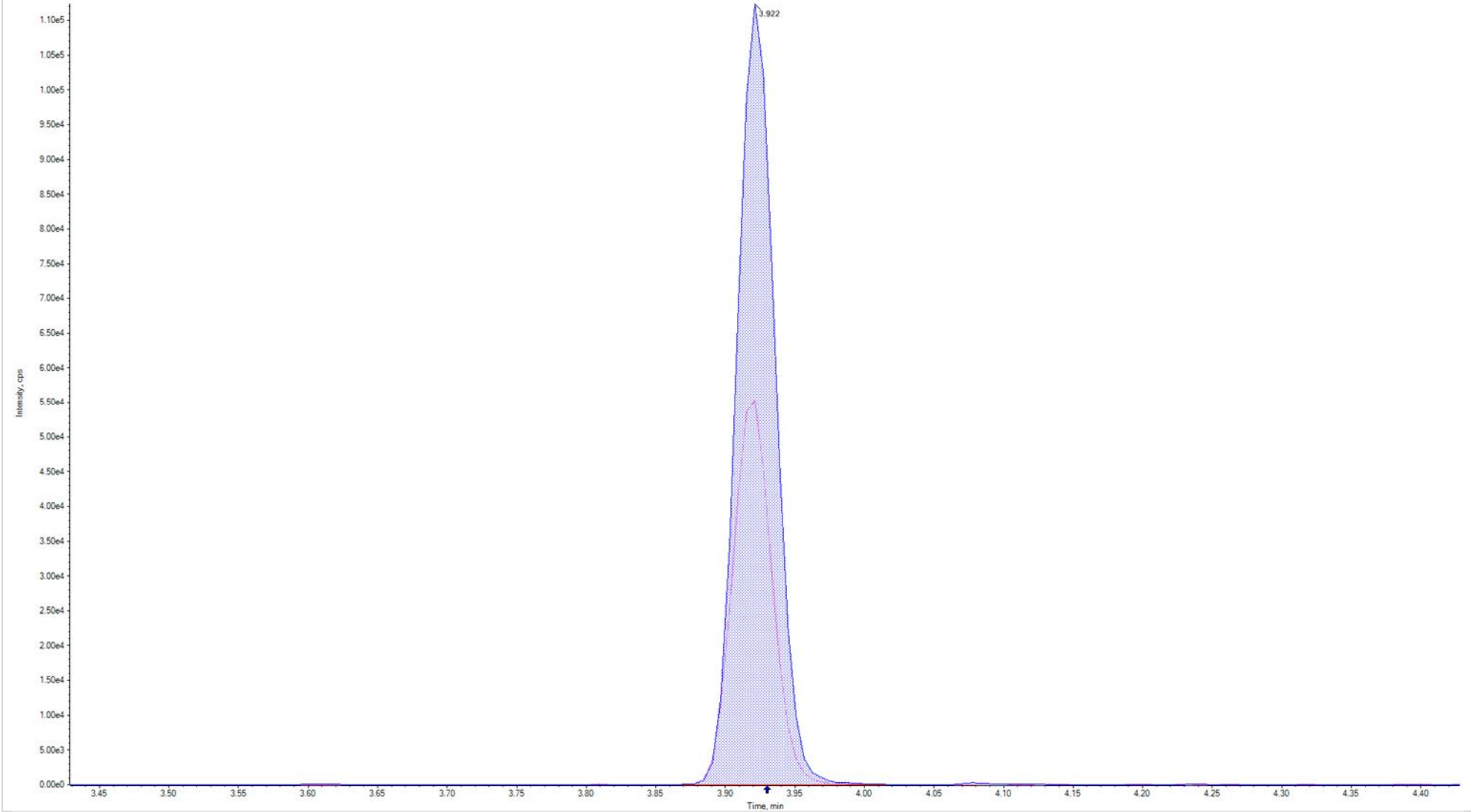
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

8:2FTS
Sample: CA1633STD-10 S/N:3153.0 Points Across peak:25



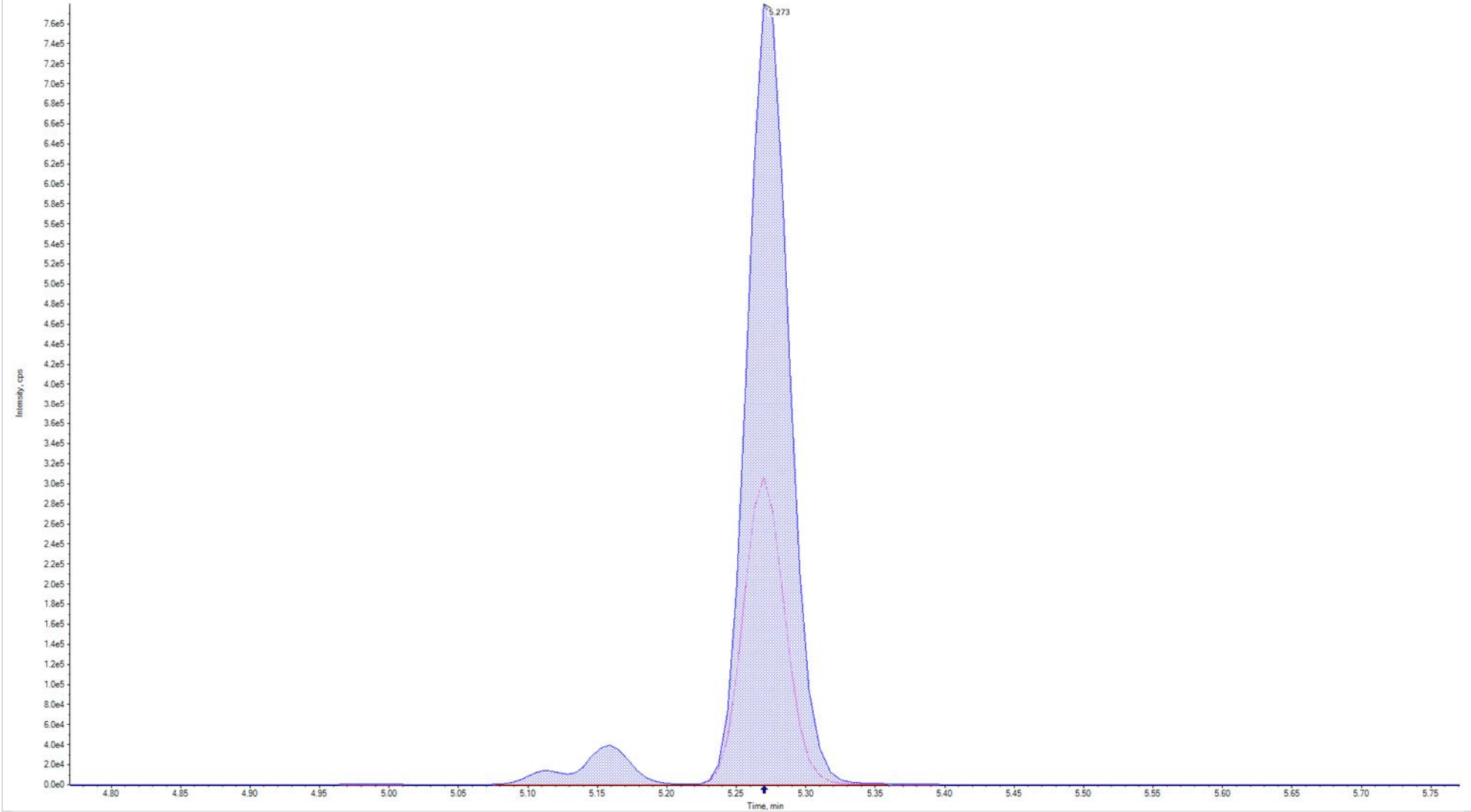
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

8:2FTS_2
Sample: CA1633STD-10 S/N:2253.2 Points Across peak:30



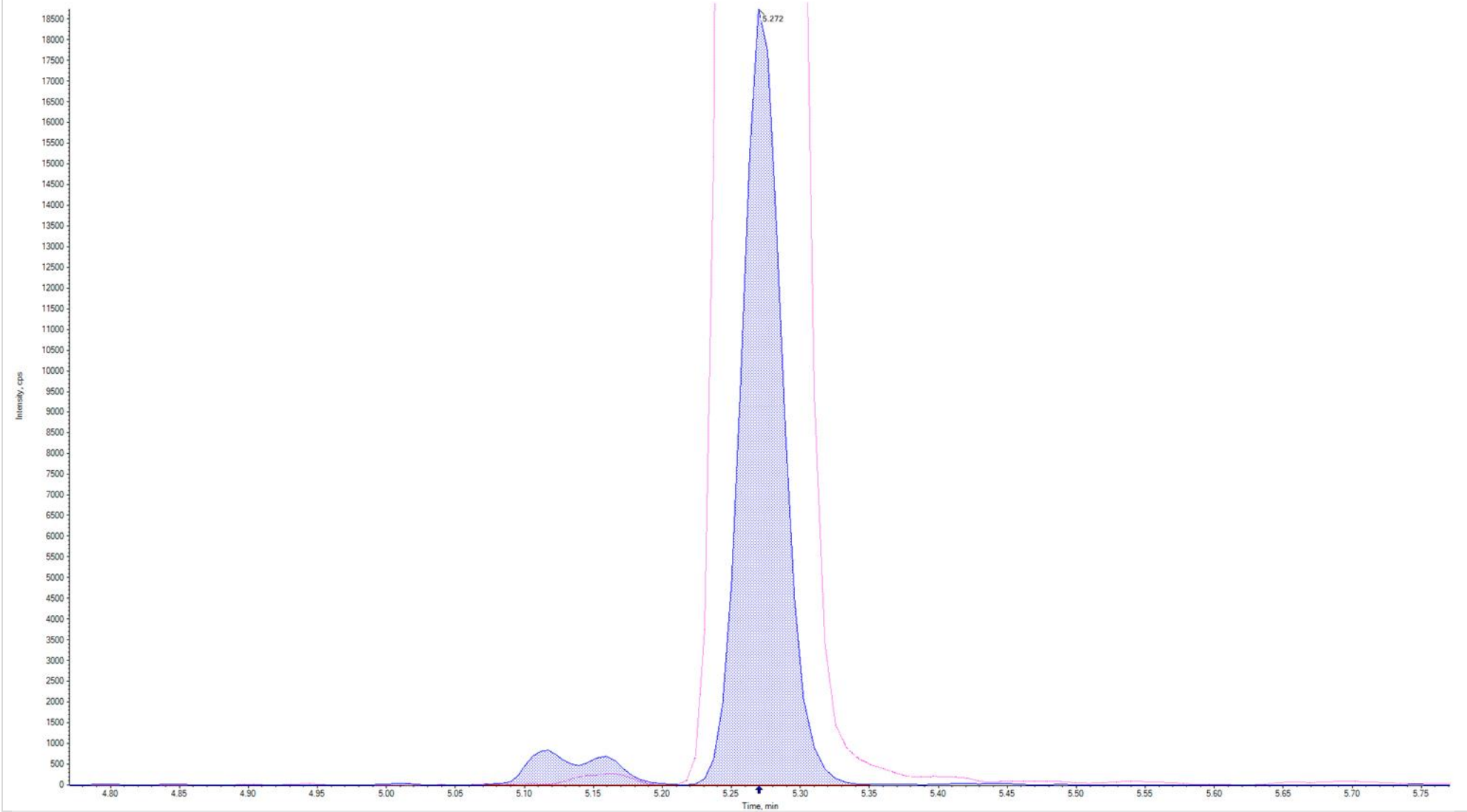
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

PFOSA
Sample: CA1633STD-10 S/N:937.0 Points Across peak:45



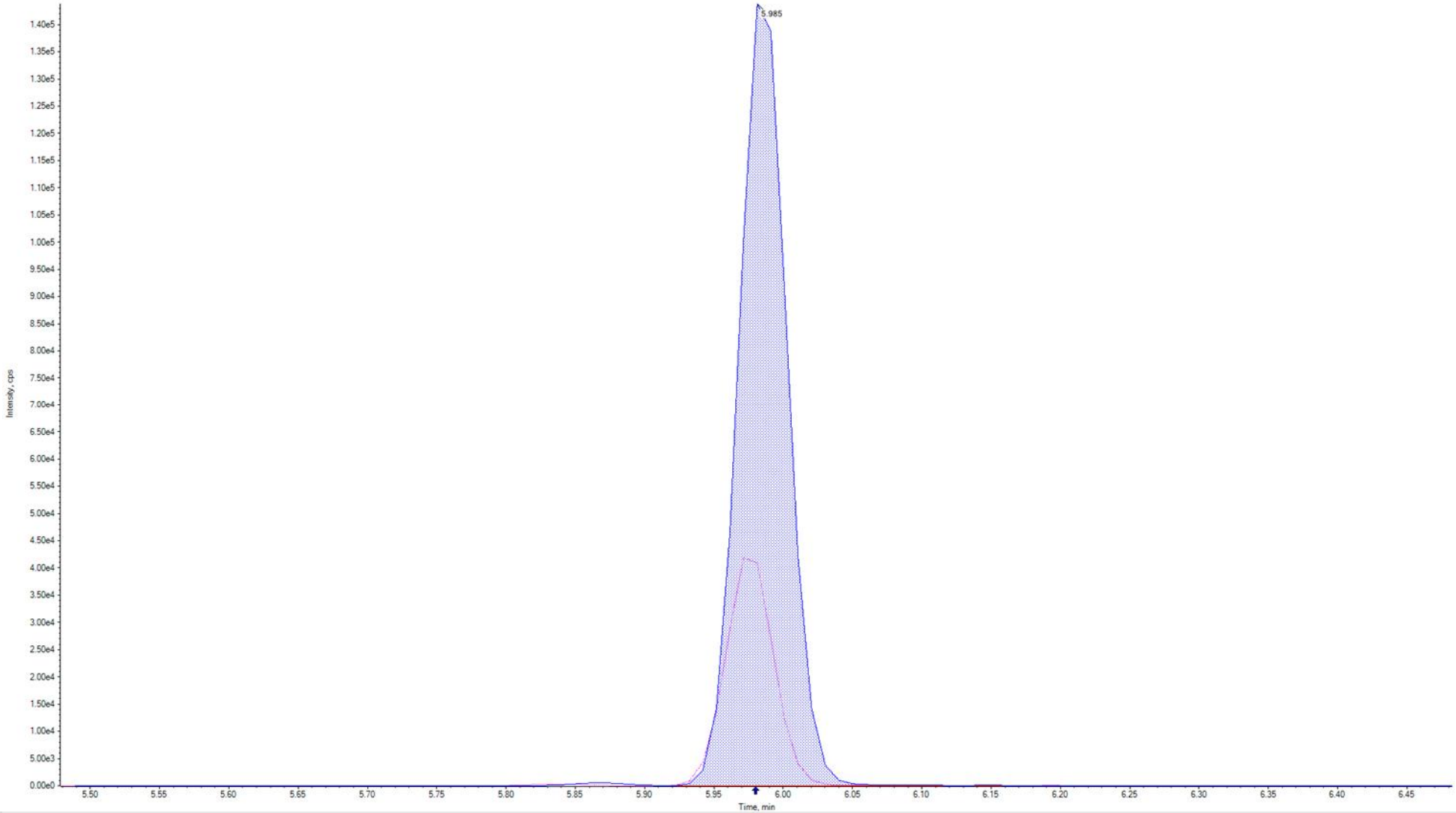
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

PFOSA_2
Sample: CA1633STD-10 S/N:774.0 Points Across peak:45



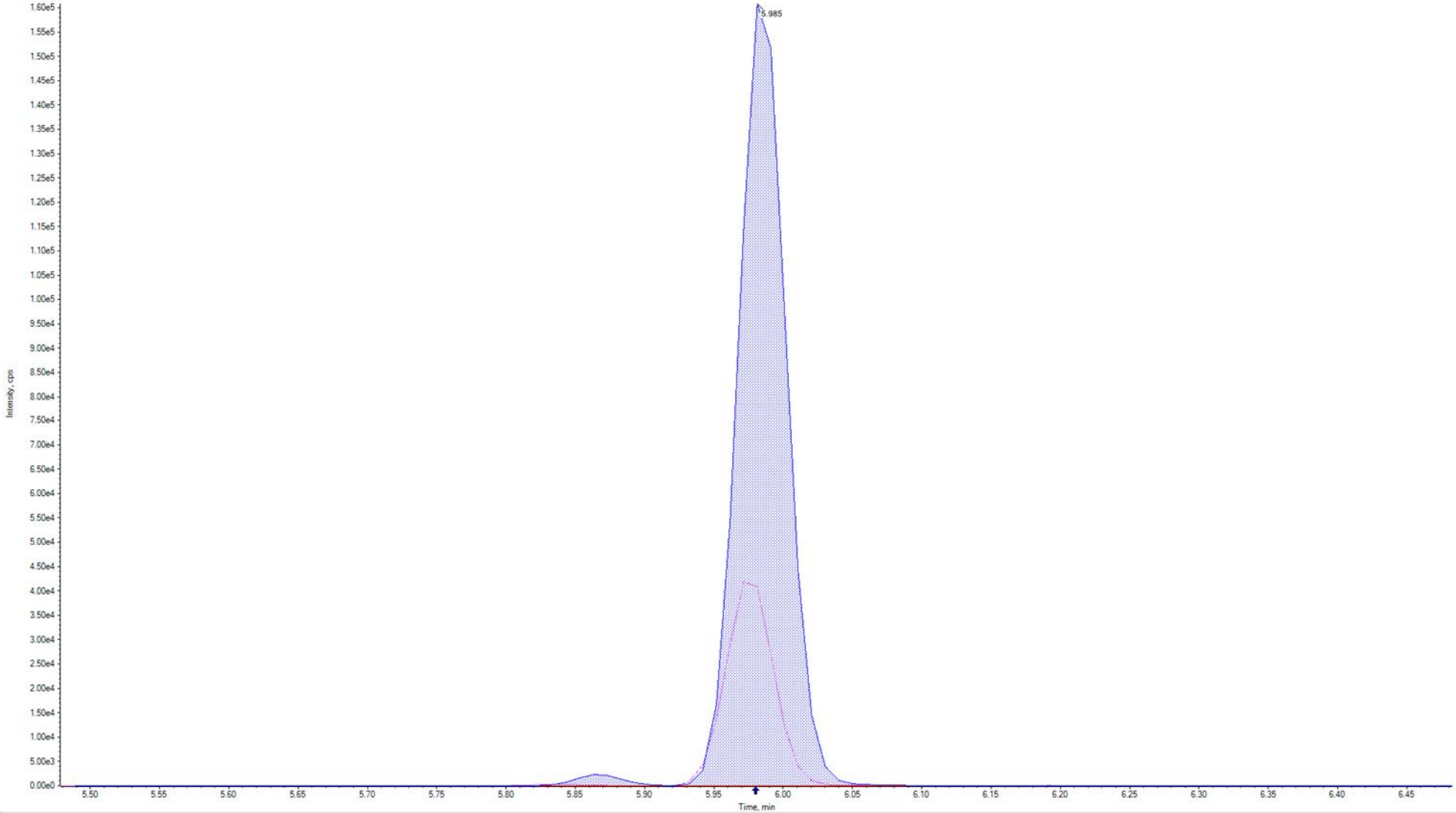
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

NMeFOSA
Sample: CA1633STD-10 S/N:1684.4 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

NMeFOSA_2
Sample: CA1633STD-10 S/N:1473.7 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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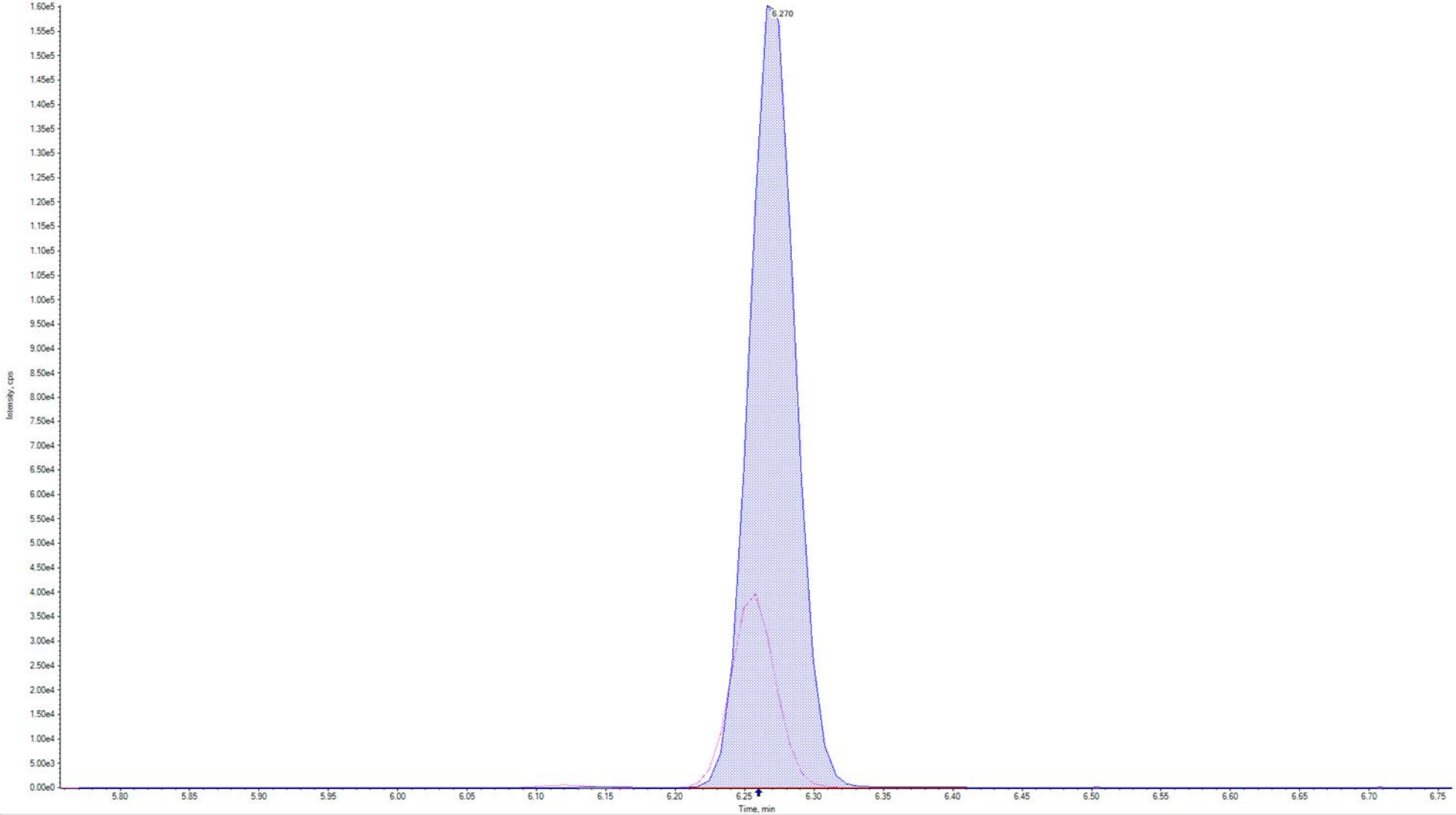
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

NEtFOSA
Sample: CA1633STD-10 S/N:3723.8 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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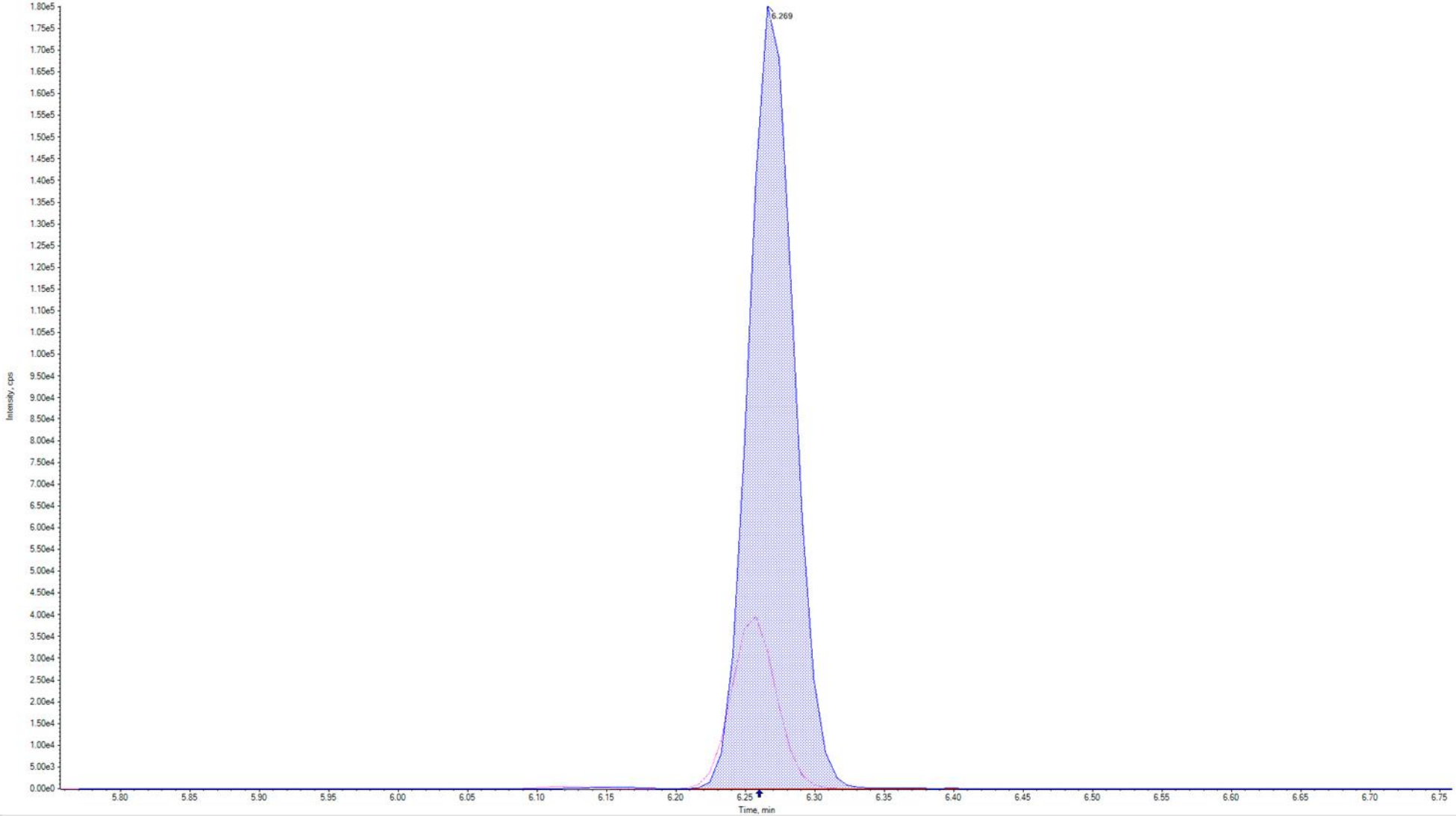
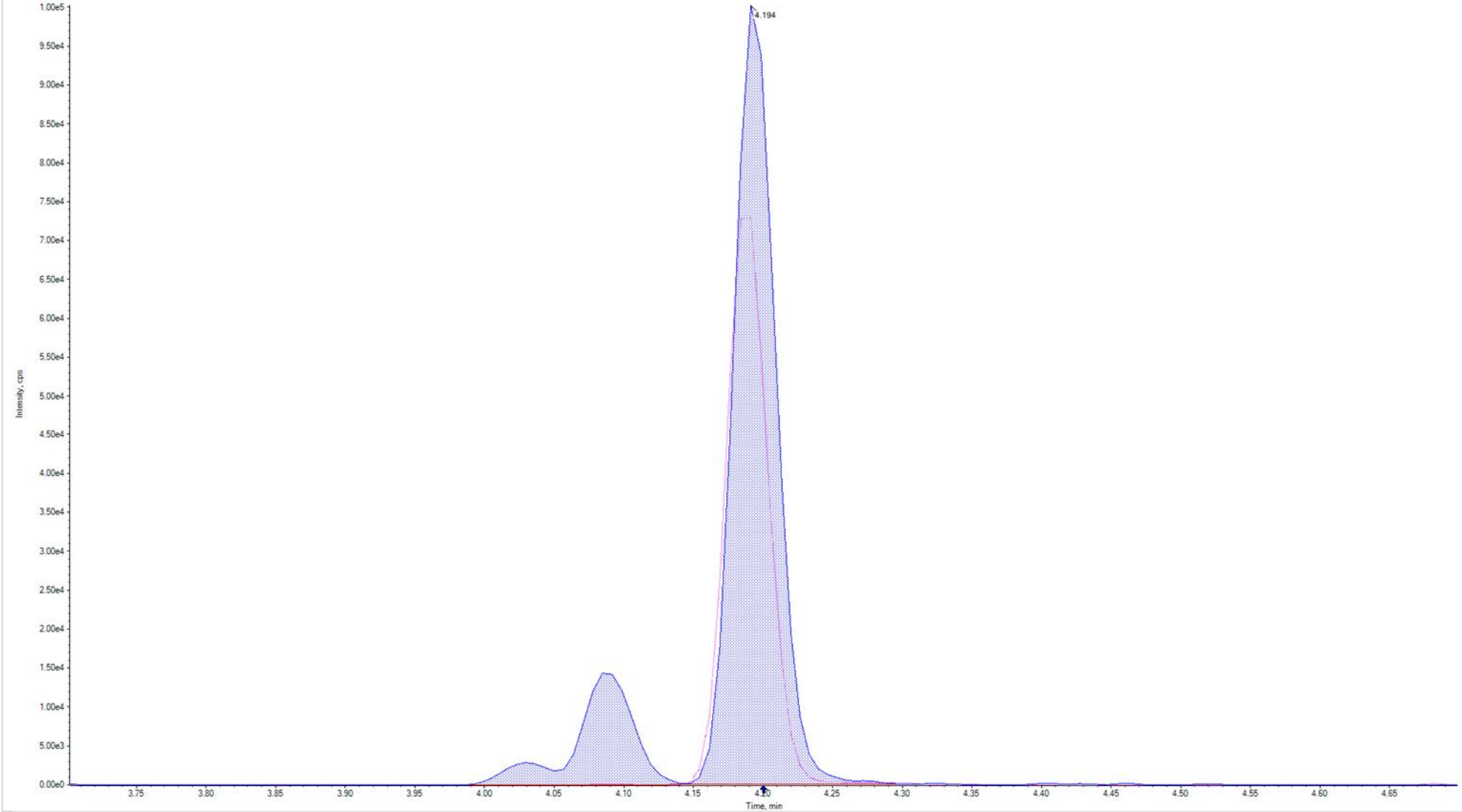
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

NEtFOSA_2
Sample: CA1633STD-10 S/N:3478.5 Points Across peak:34



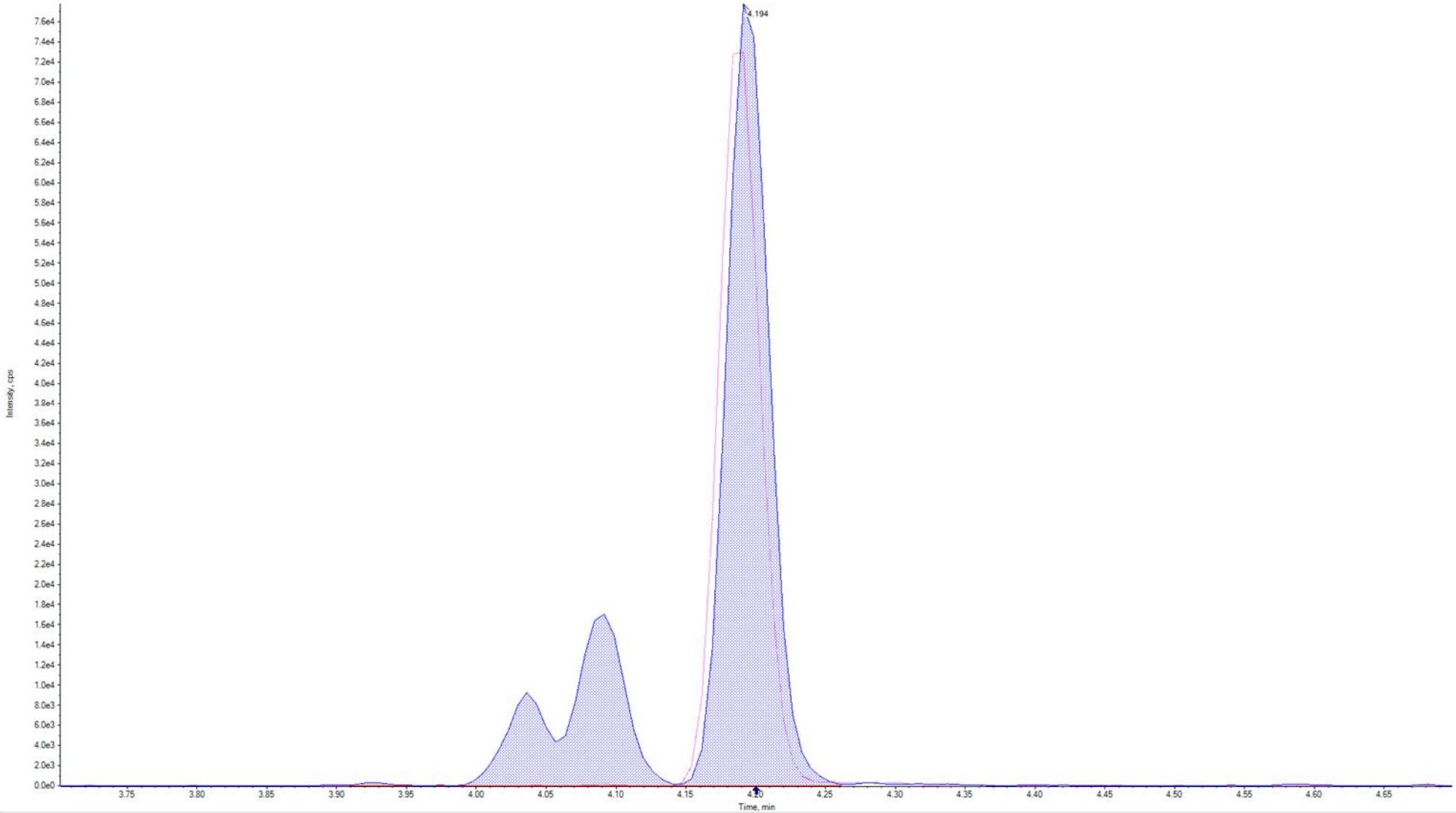
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

NMeFOSAA
Sample: CA1633STD-10 S/N:708.0 Points Across peak:49



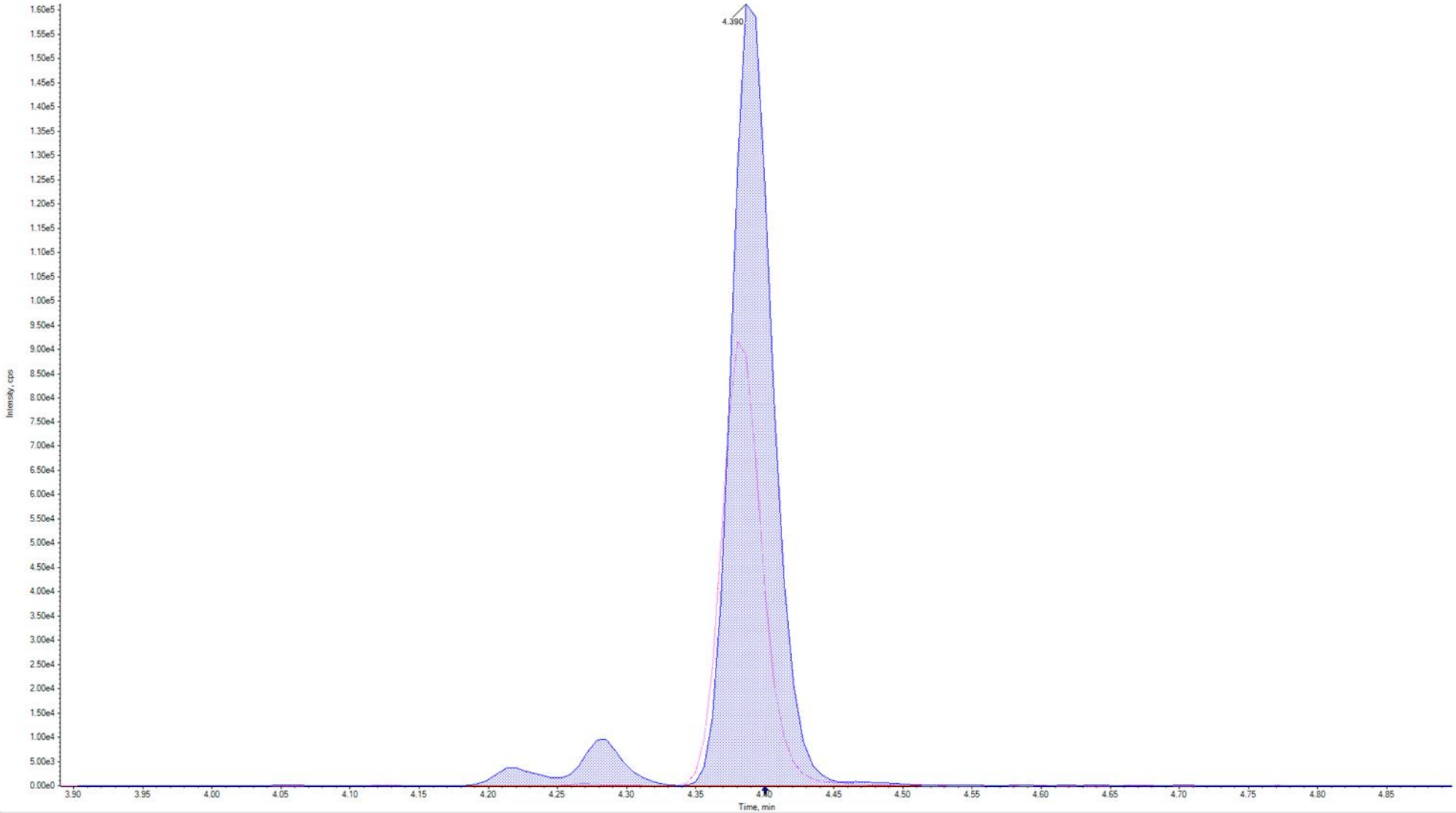
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

NMeFOSAA_2
Sample: CA1633STD-10 S/N:492.1 Points Across peak:55



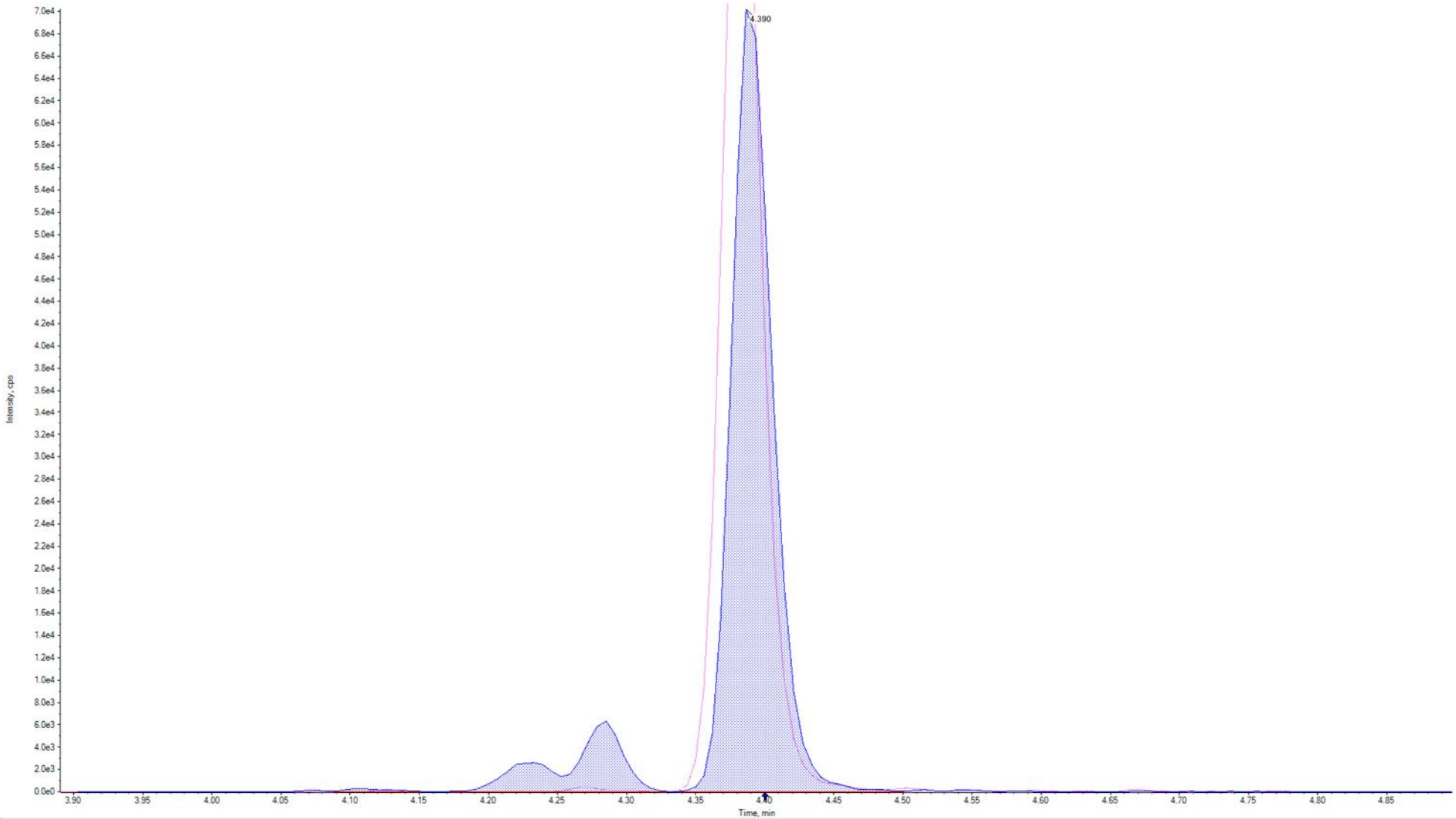
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

NEtFOSAA
Sample: CA1633STD-10 S/N:975.9 Points Across peak:53



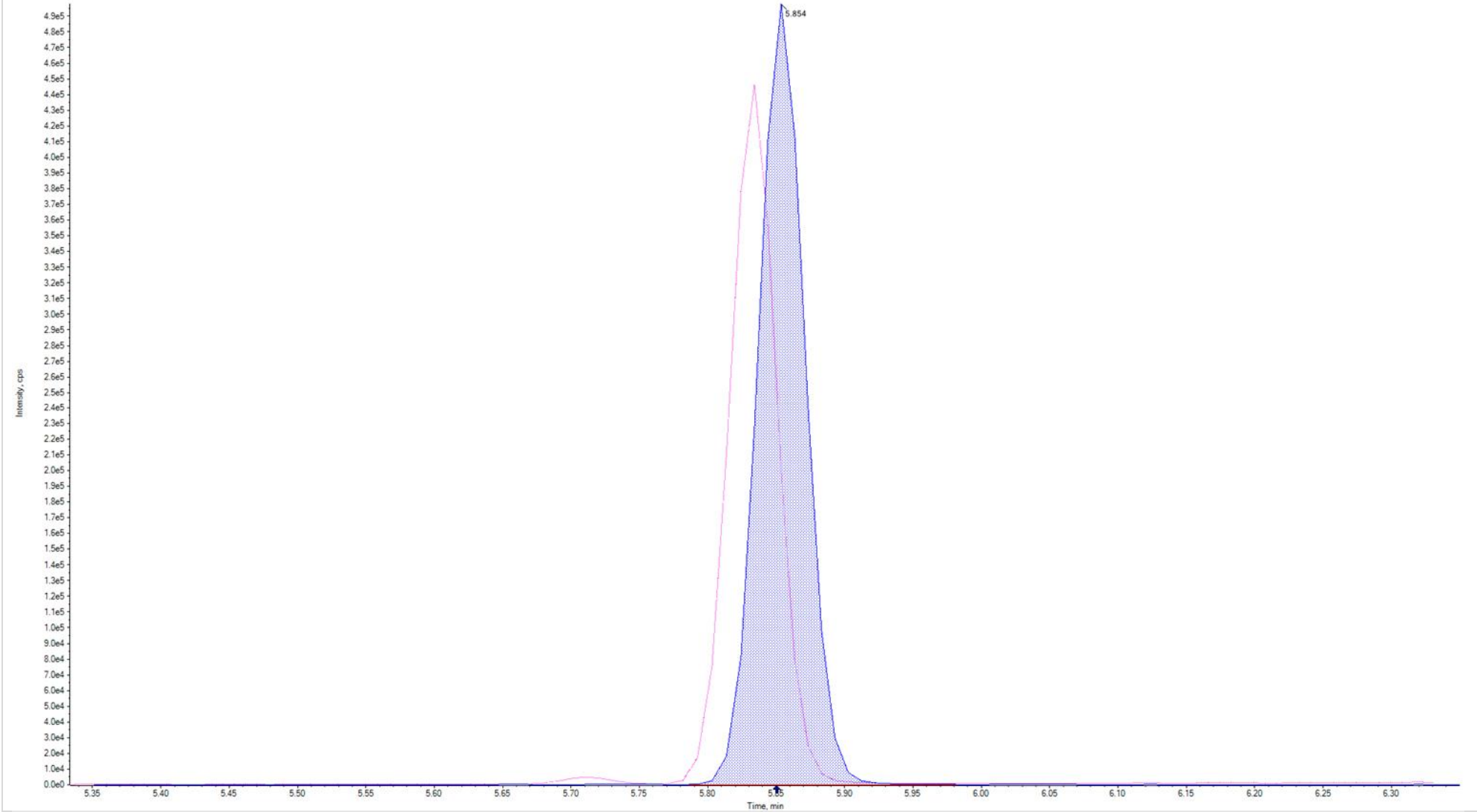
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

NEtFOSAA_2
Sample: CA1633STD-10 S/N:679.3 Points Across peak:64



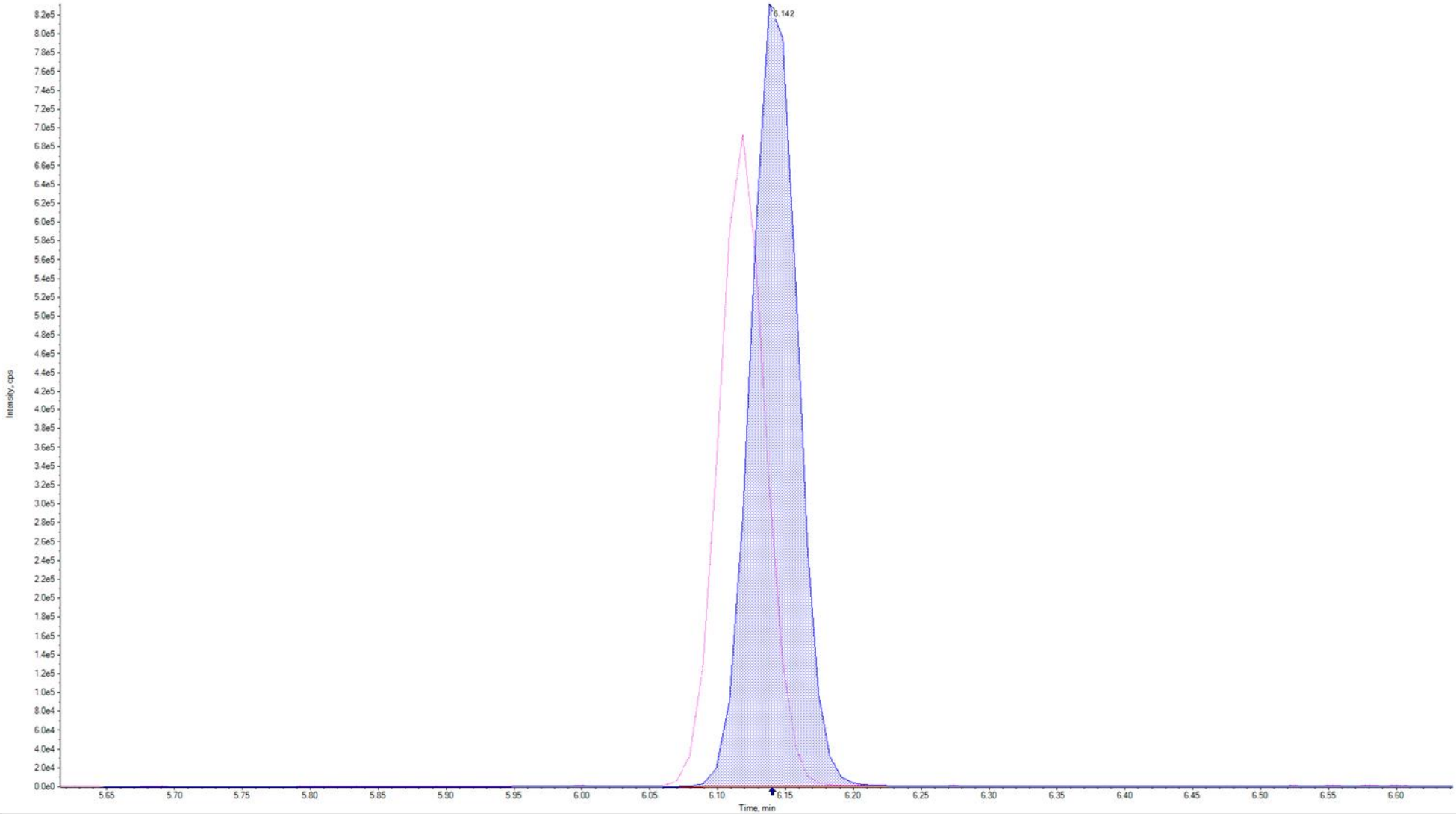
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

NMeFOSE
Sample: CA1633STD-10 S/N:1306.4 Points Across peak:22

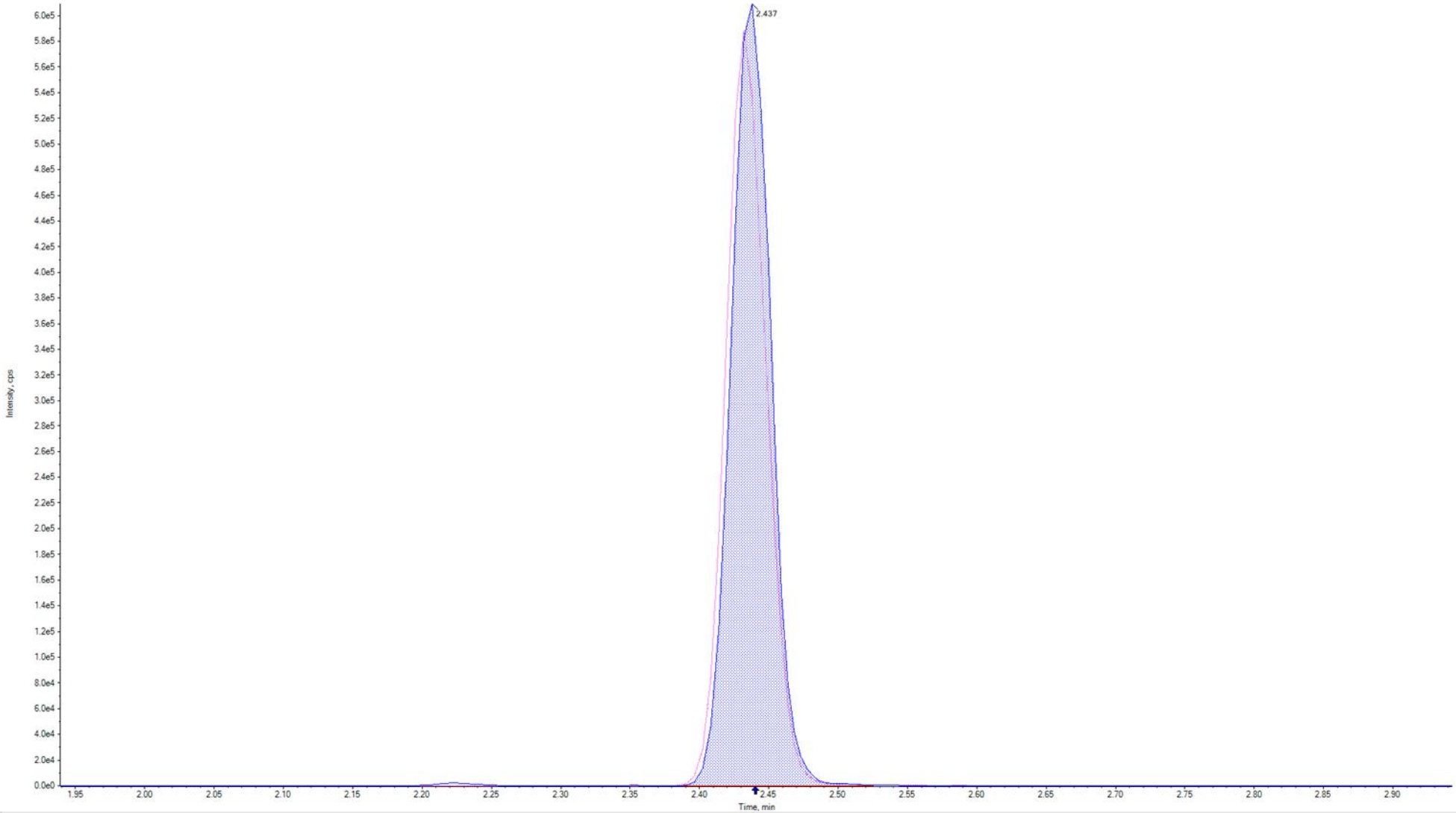


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

NEtFOSE
Sample: CA1633STD-10 S/N:1128.2 Points Across peak:34

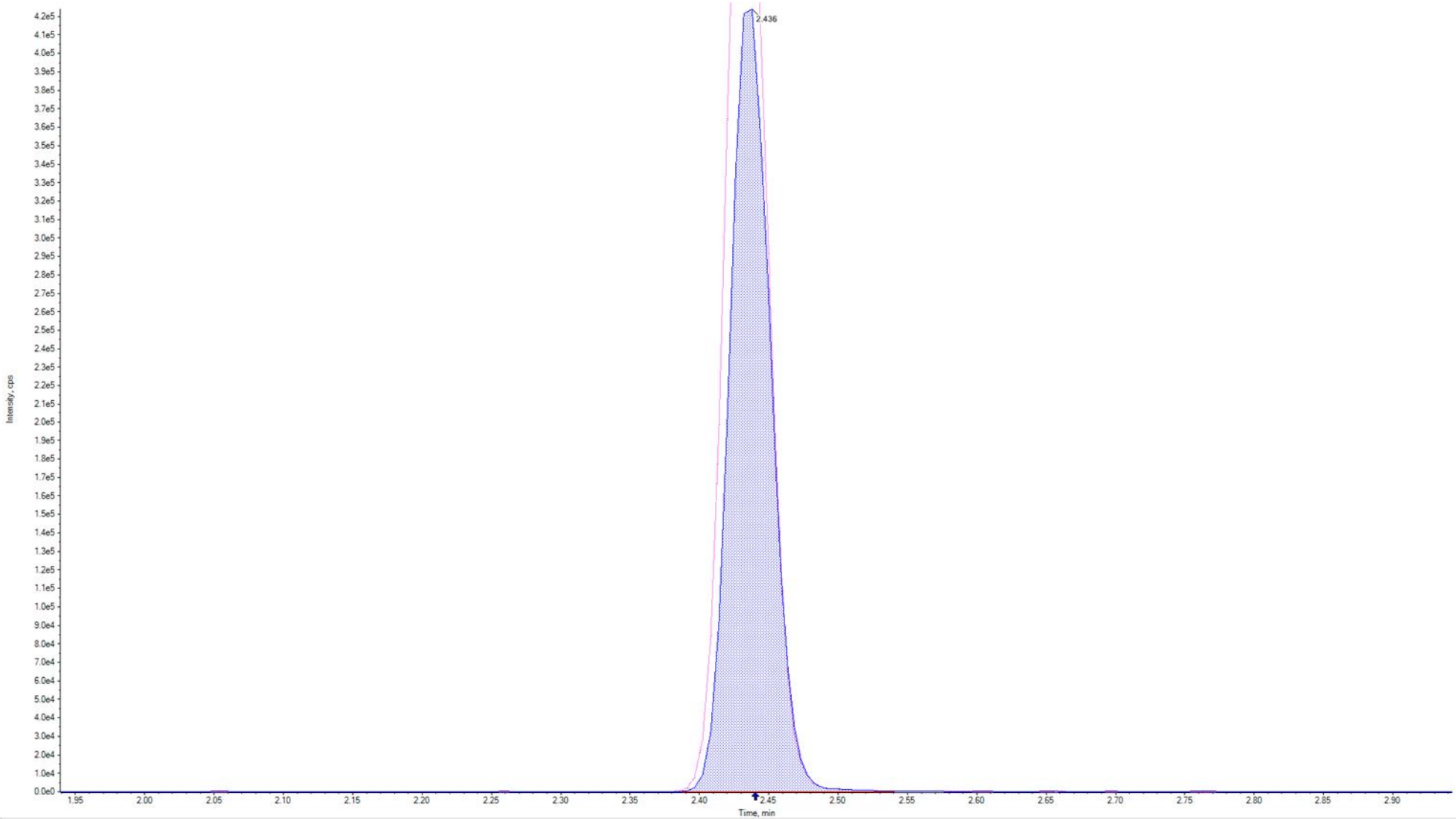


HFPO-DA
Sample: CA1633STD-10 S/N:13740.6 Points Across peak:30



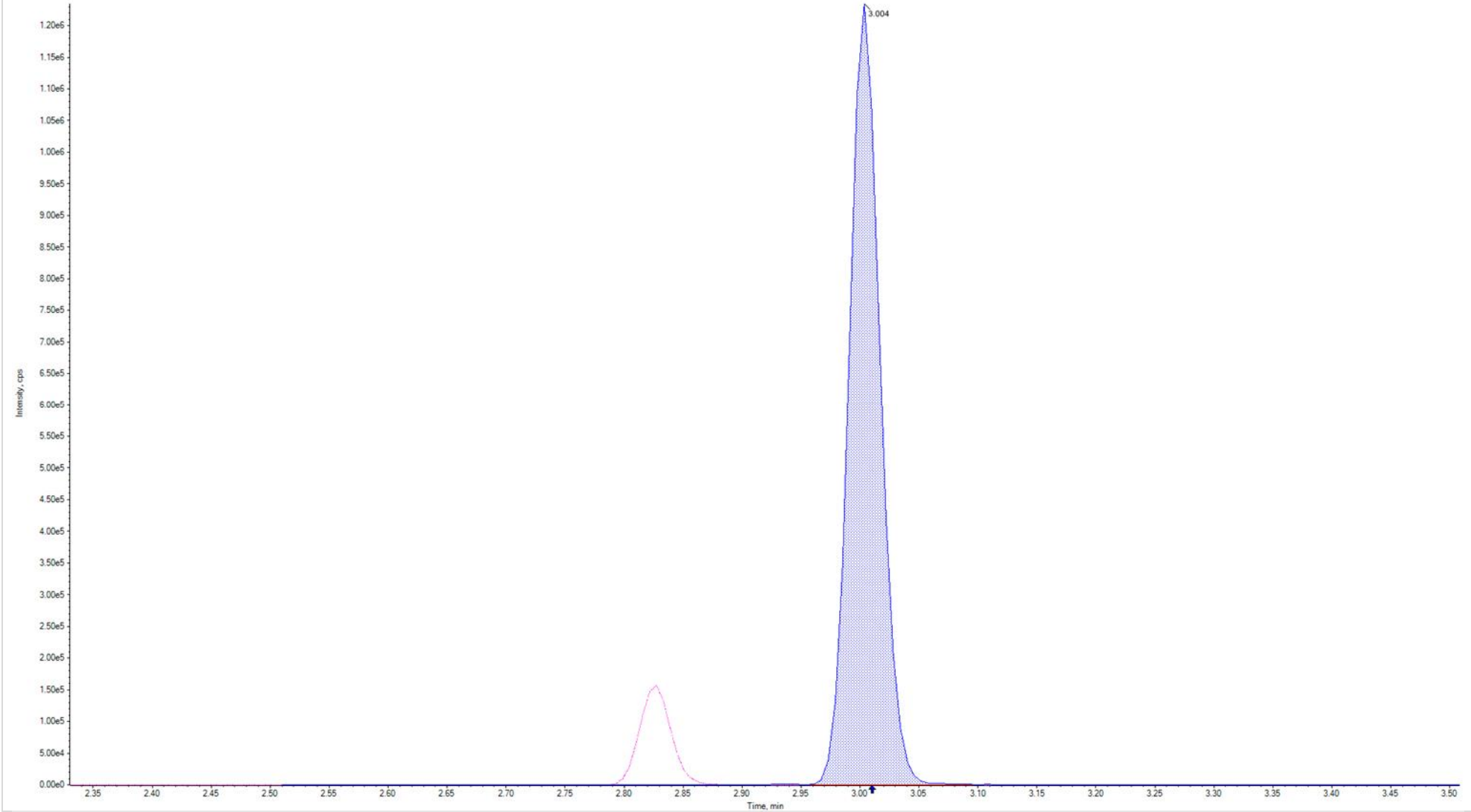
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

HFPO-DA_2
Sample: CA1633STD-10 S/N:9562.6 Points Across peak:32



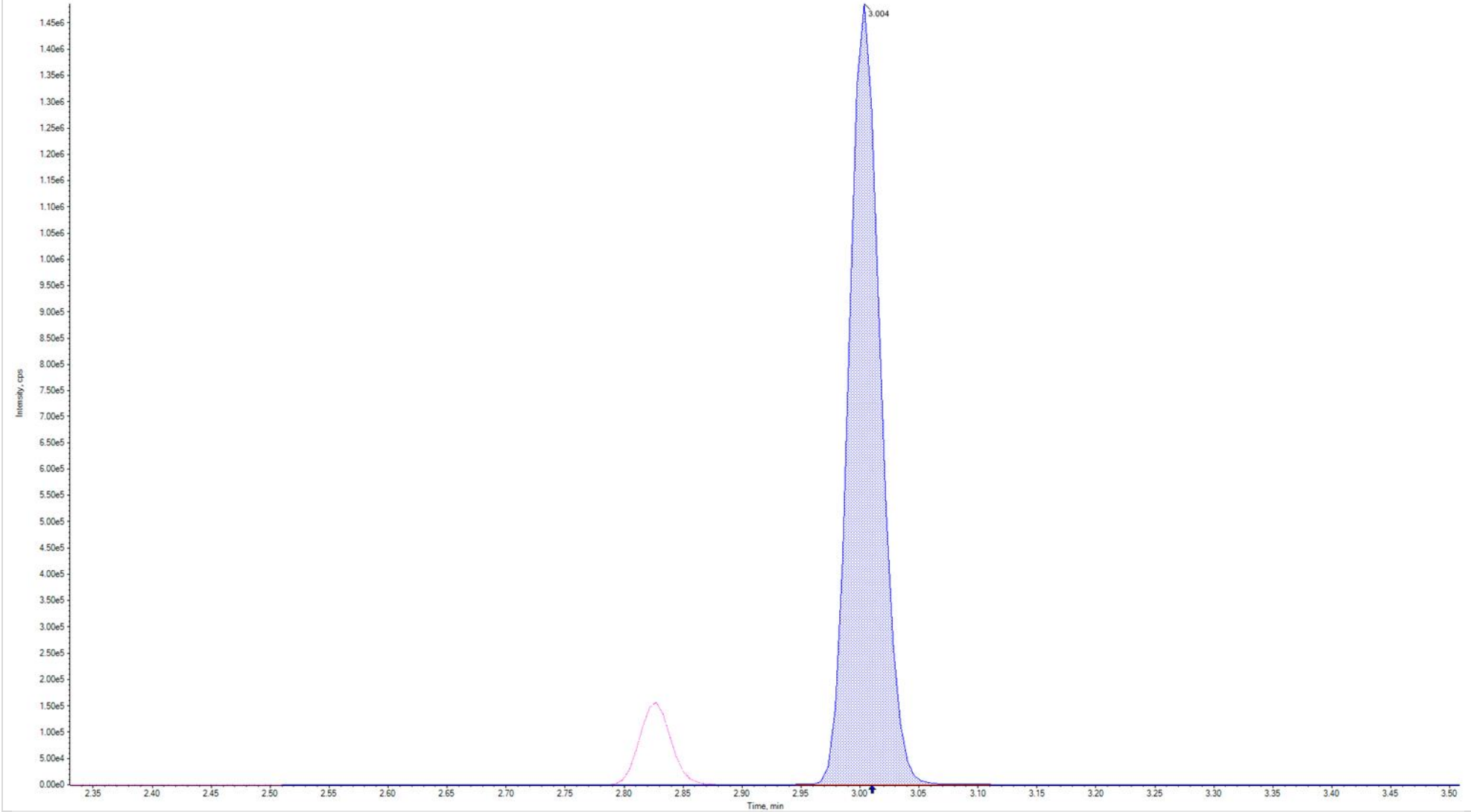
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

ADONA
Sample: CA1633STD-10 S/N:24748.6 Points Across peak:25



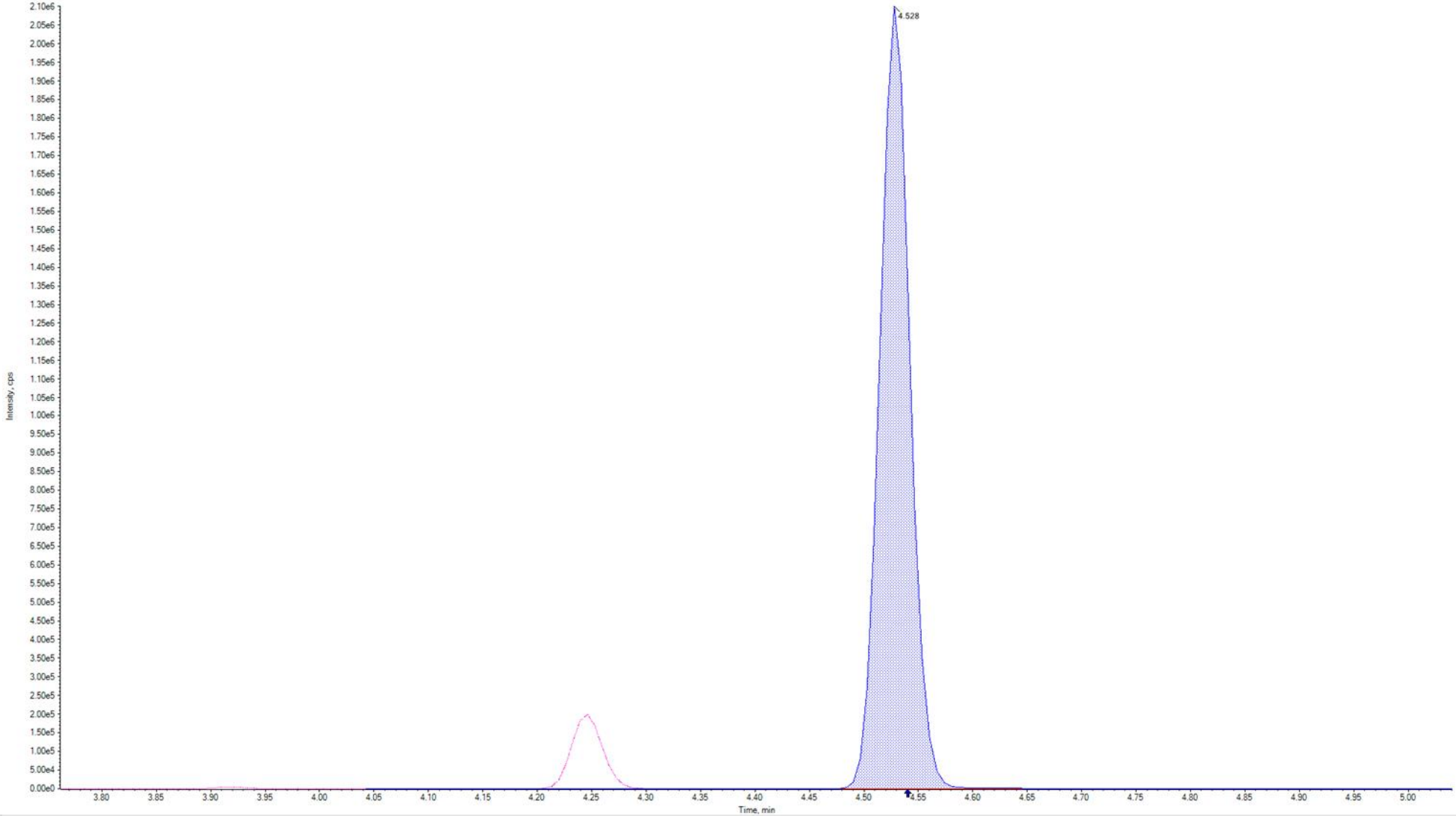
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

ADONA_2
Sample: CA1633STD-10 S/N:29799.1 Points Across peak:35



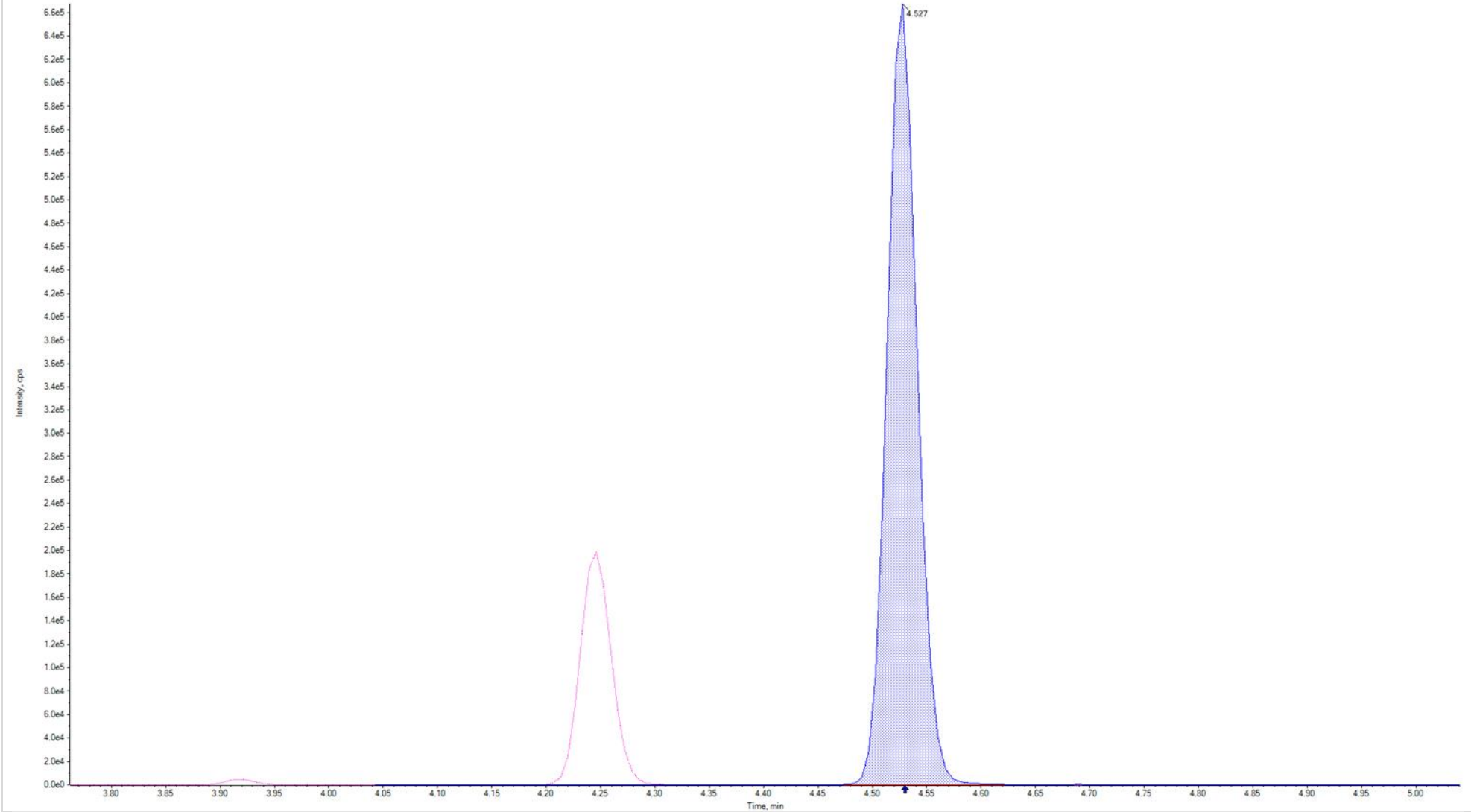
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

9Cl-PF3ONS
Sample: CA1633STD-10 S/N:47394.2 Points Across peak:32



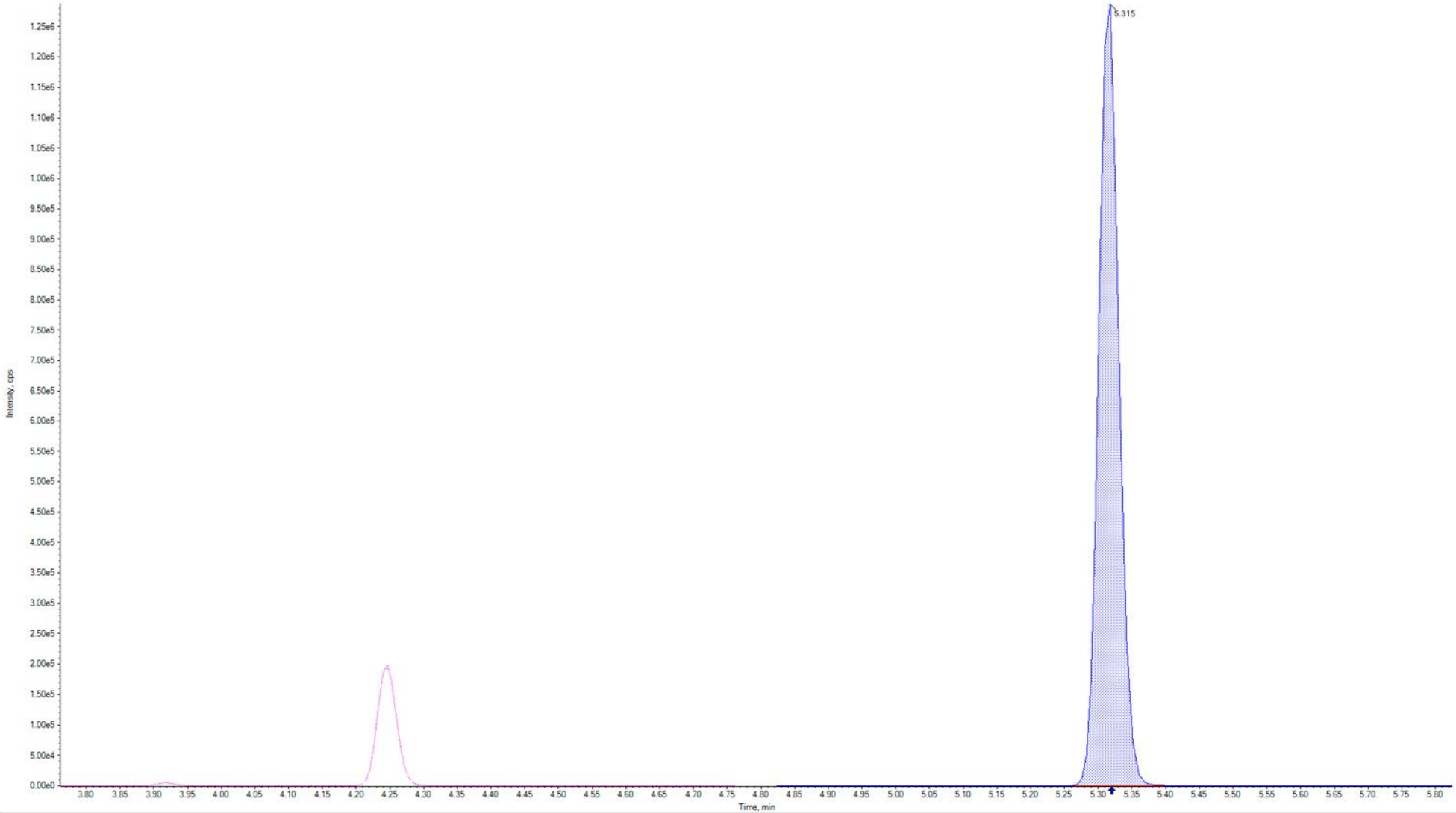
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

9Cl-PF3ONS_2
Sample: CA1633STD-10 S/N:15056.8 Points Across peak:28



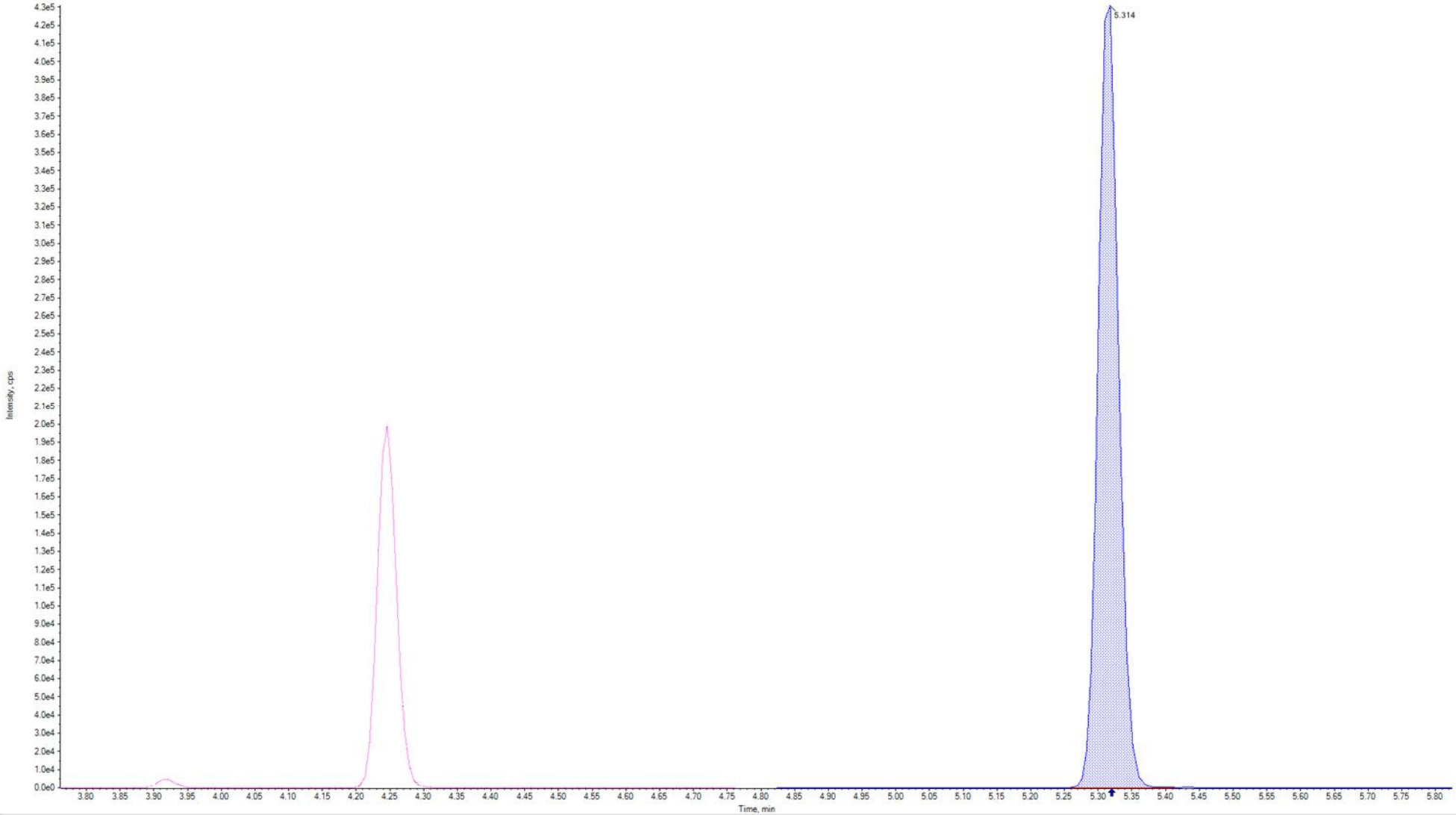
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

11Cl-PF3OUdS
Sample: CA1633STD-10 S/N:61313.8 Points Across peak:29



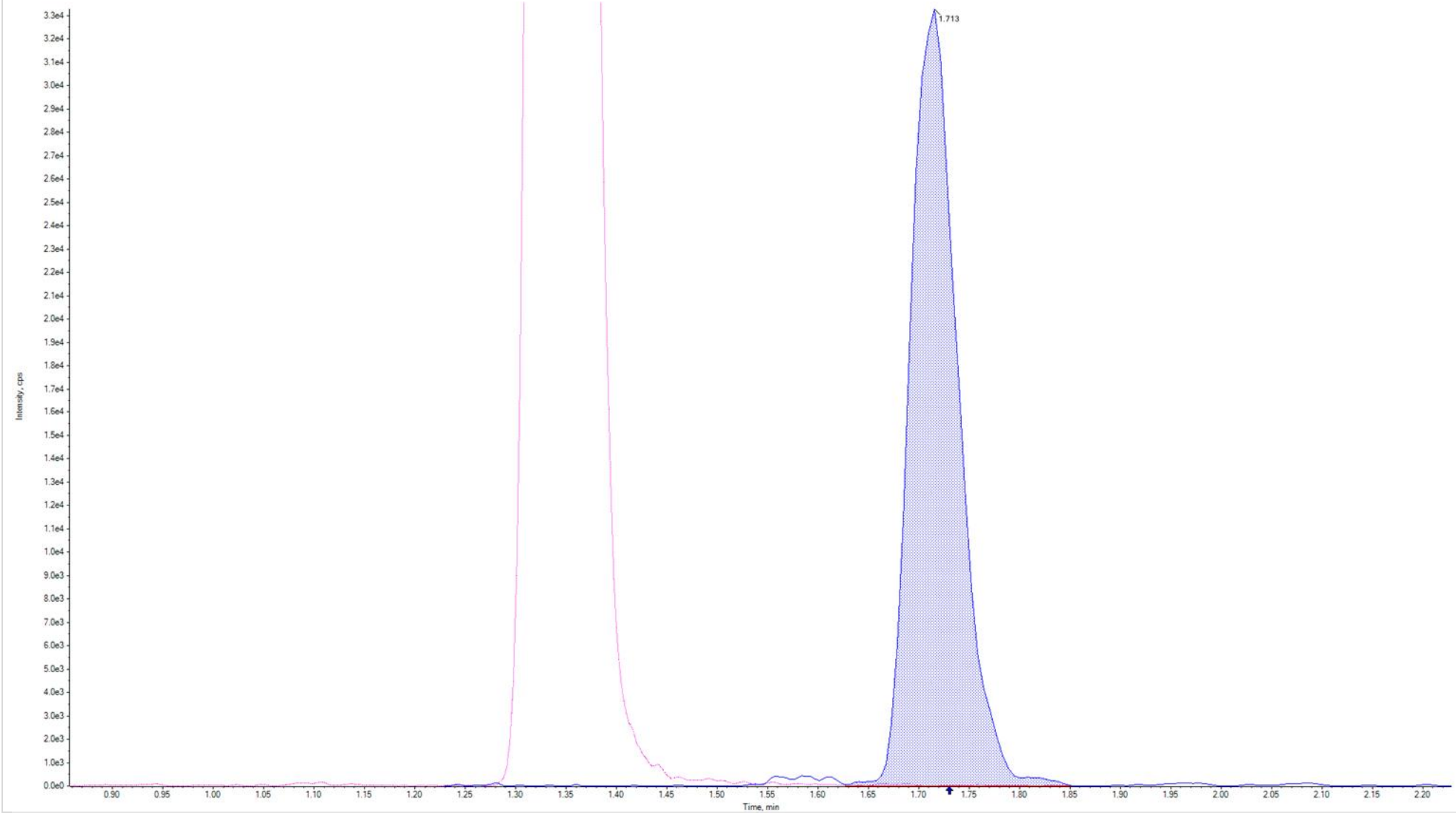
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

11Cl-PF3OUdS_2
Sample: CA1633STD-10 S/N:4307.0 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

3:3FTCA
Sample: CA1633STD-10 S/N:834.0 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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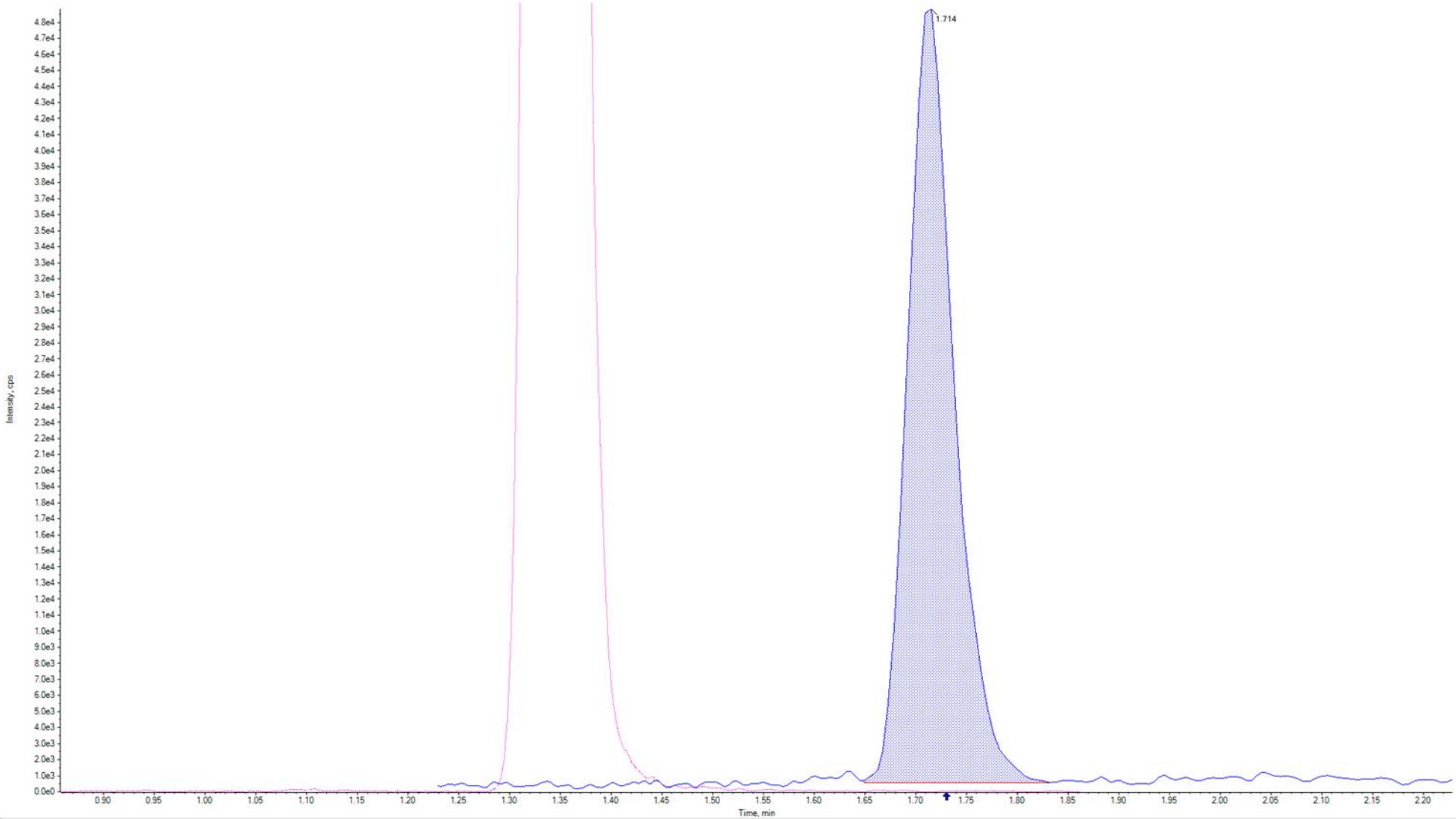
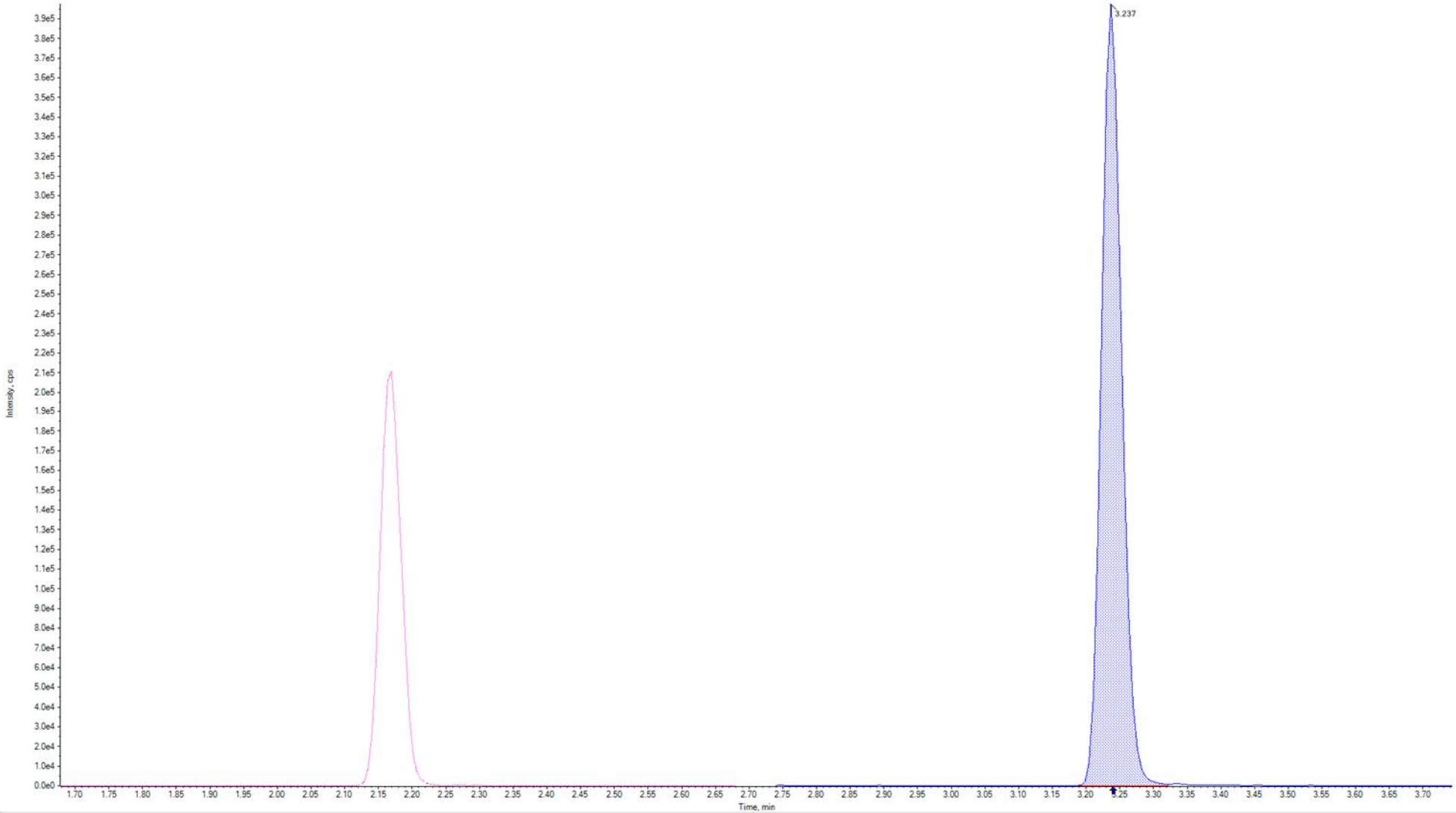
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

3:3FTCA_2
Sample: CA1633STD-10 S/N:734.3 Points Across peak:32



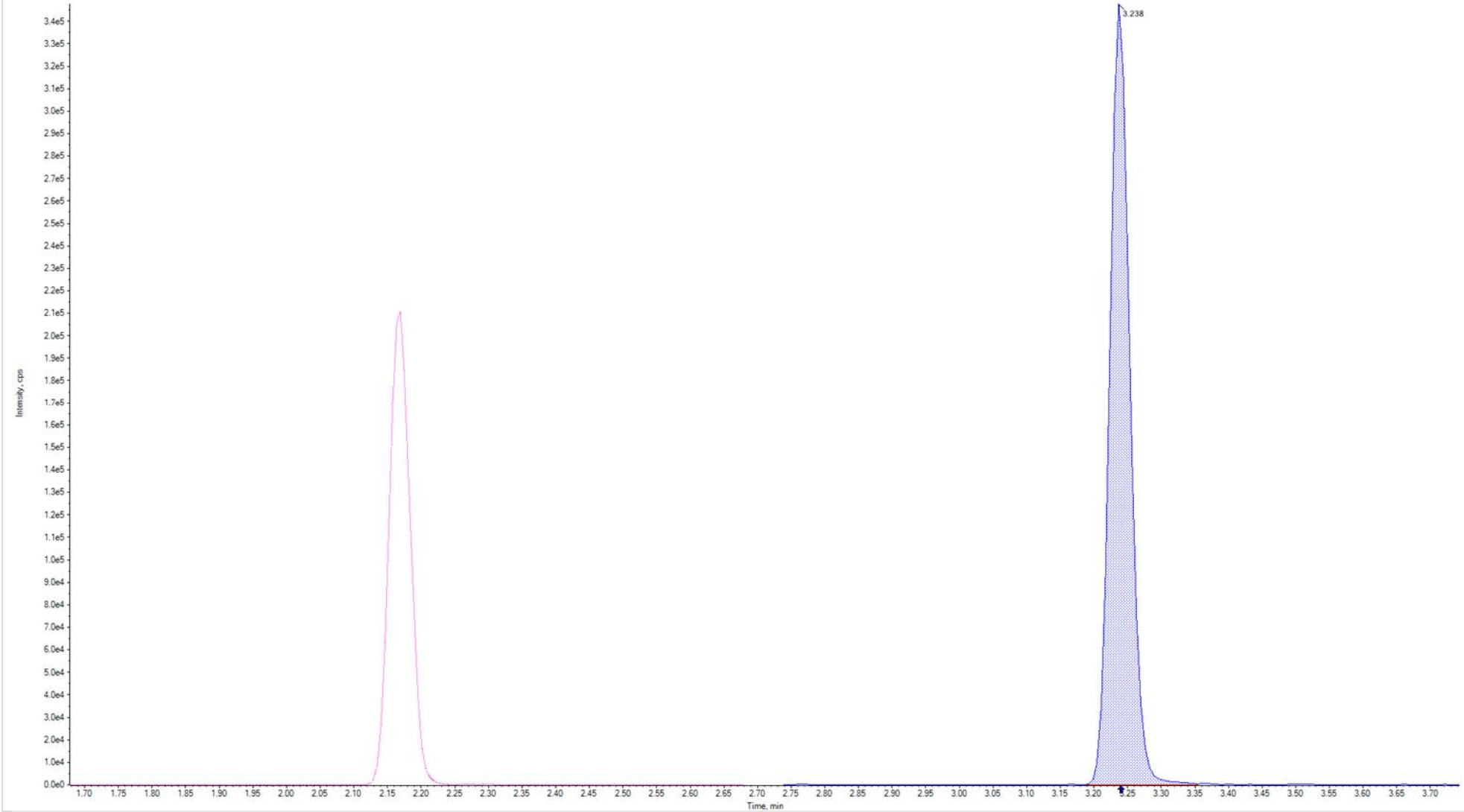
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

5:3FTCA
Sample: CA1633STD-10 S/N:2897.1 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

5:3FTCA_2
Sample: CA1633STD-10 S/N:7842.7 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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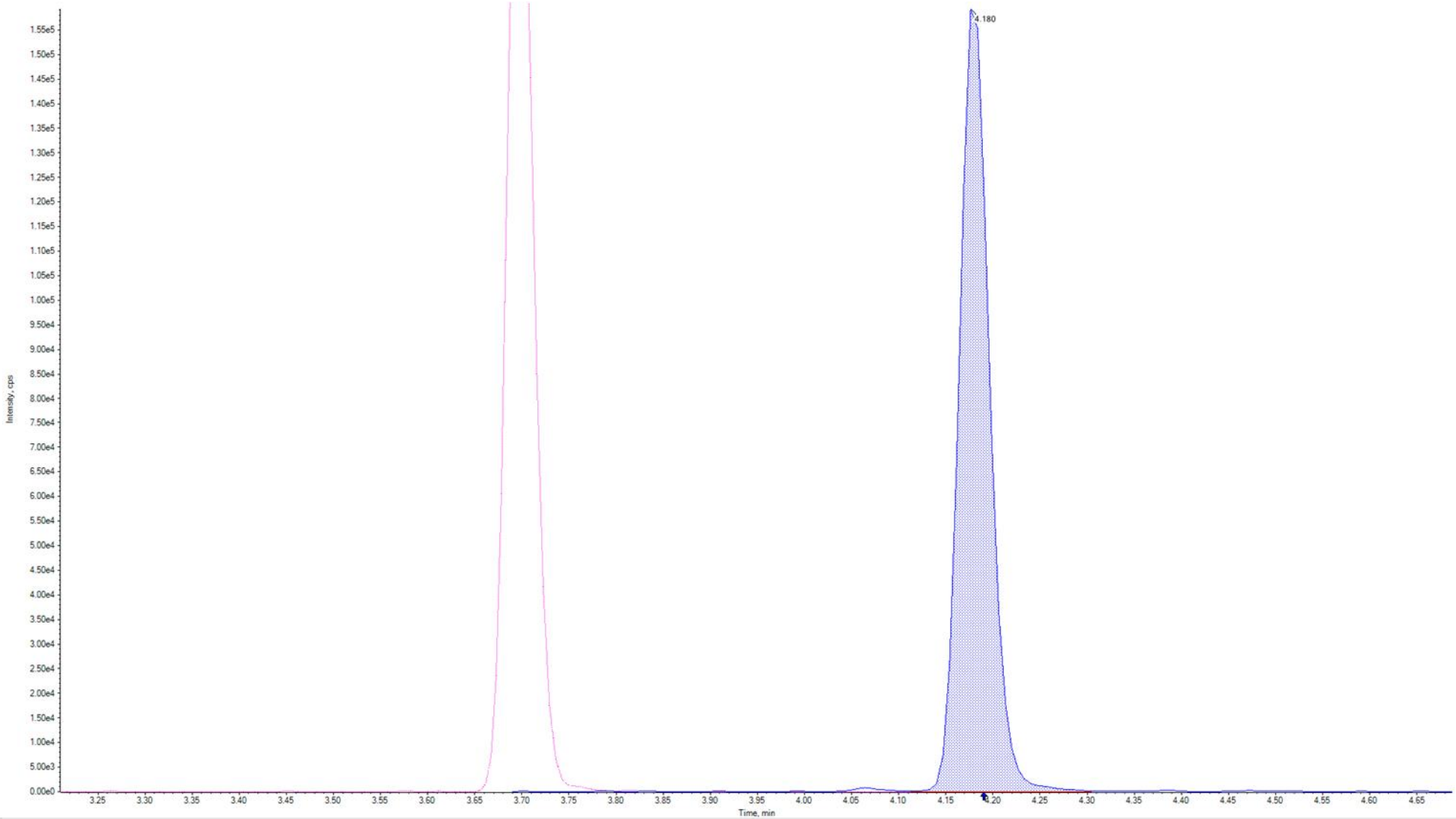
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

7:3FTCA
Sample: CA1633STD-10 S/N:4389.8 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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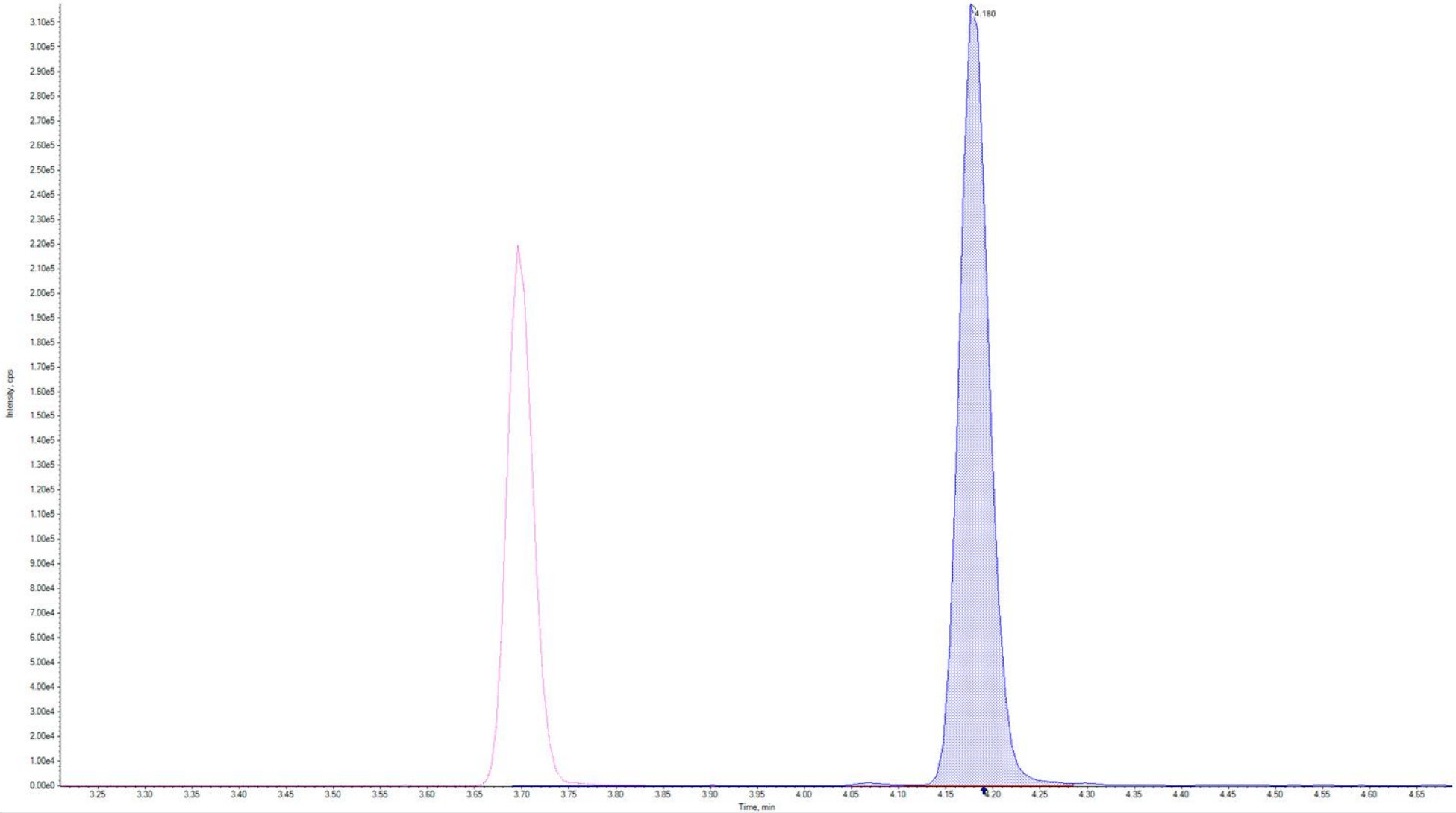
Generated: 11/15/2024 2:59:39 PM

7:3FTCA_2
Sample: CA1633STD-10 S/N:8751.3 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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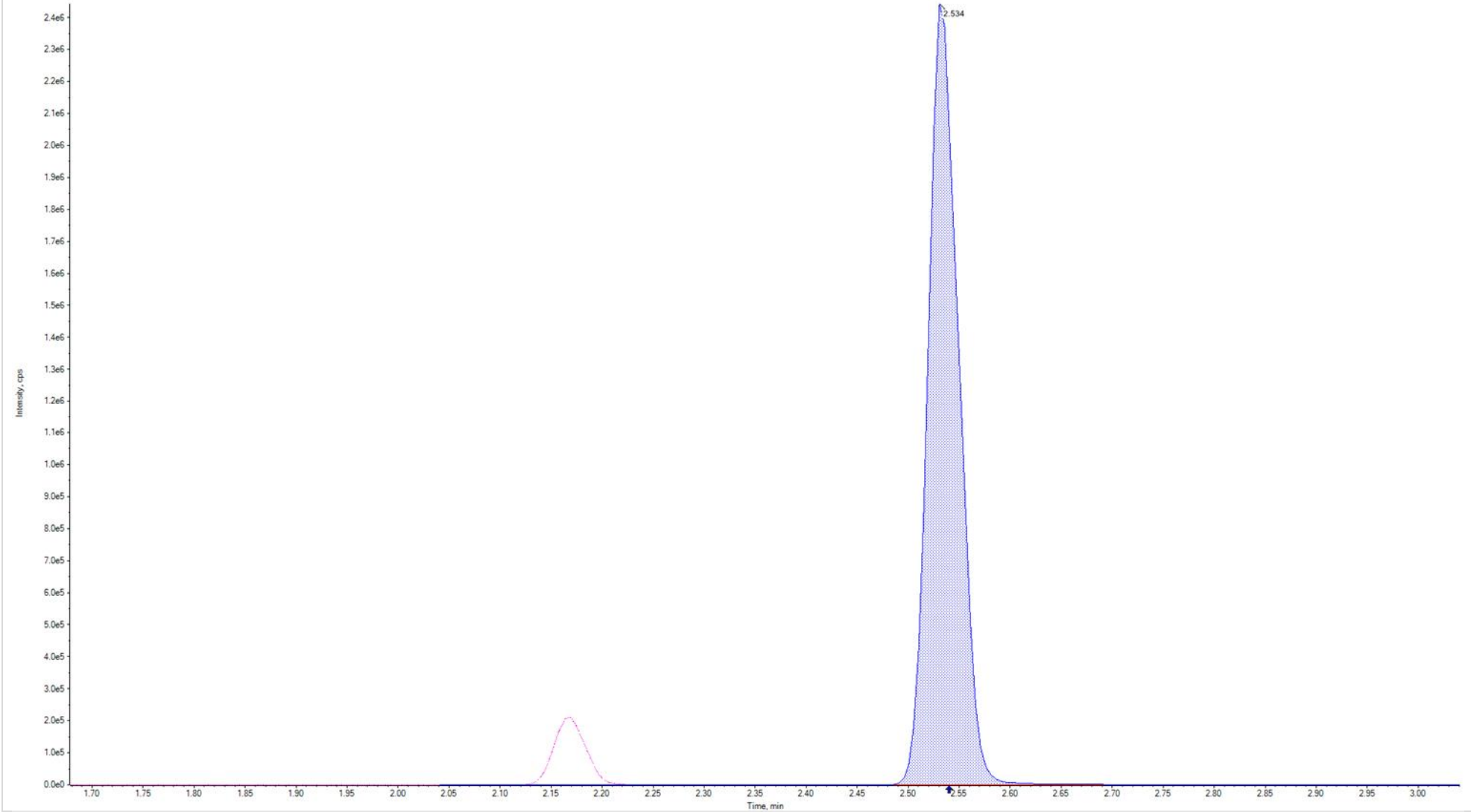
Generated: 11/15/2024 2:59:39 PM

PFEESA
Sample: CA1633STD-10 S/N:55104.2 Points Across peak:52



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/15/2024 3:27:20 PM
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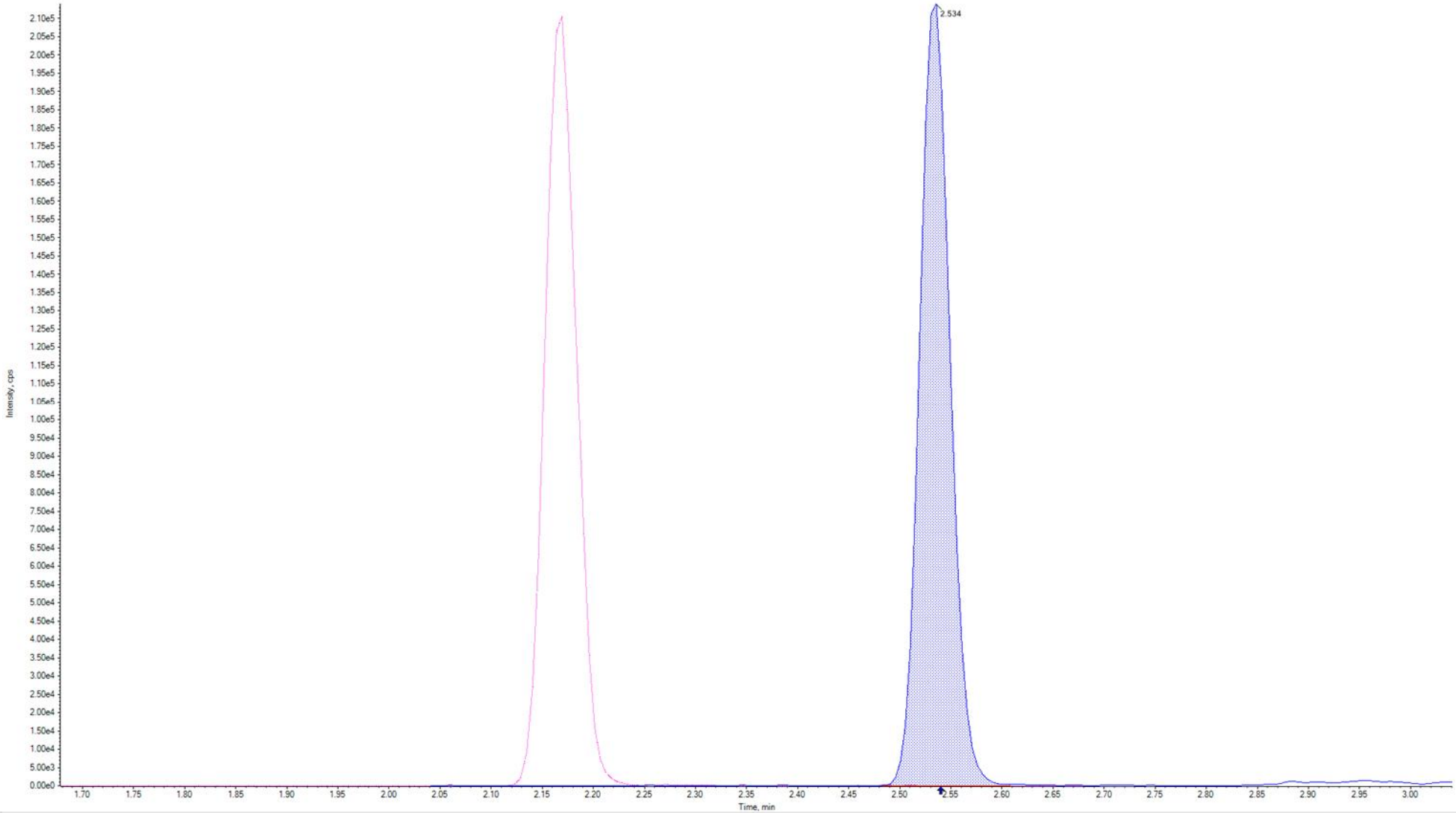
PFEESA_2
Sample: CA1633STD-10 S/N:2774.9 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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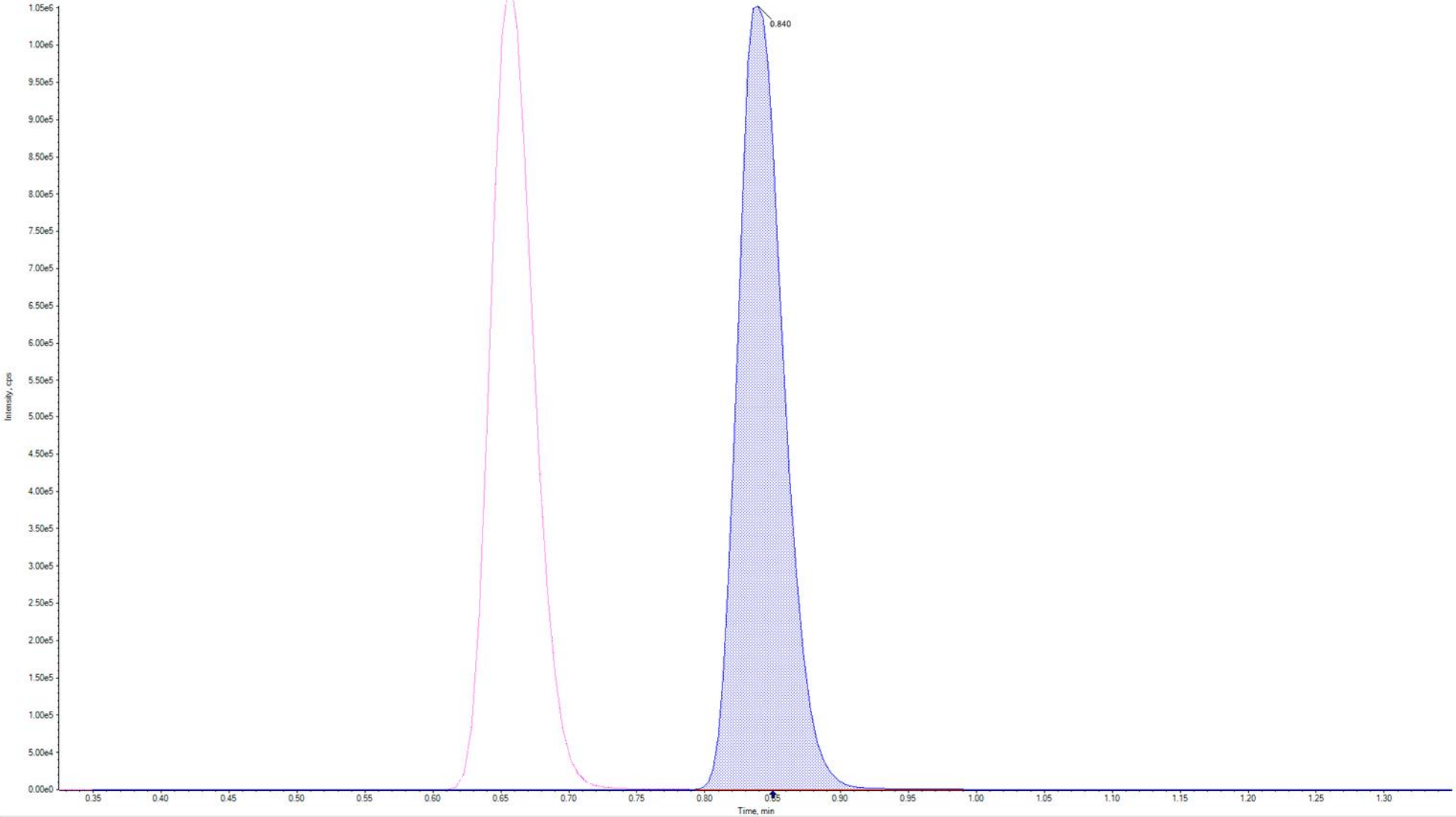
PFMPA
Sample: CA1633STD-10 S/N:13280.1 Points Across peak:51



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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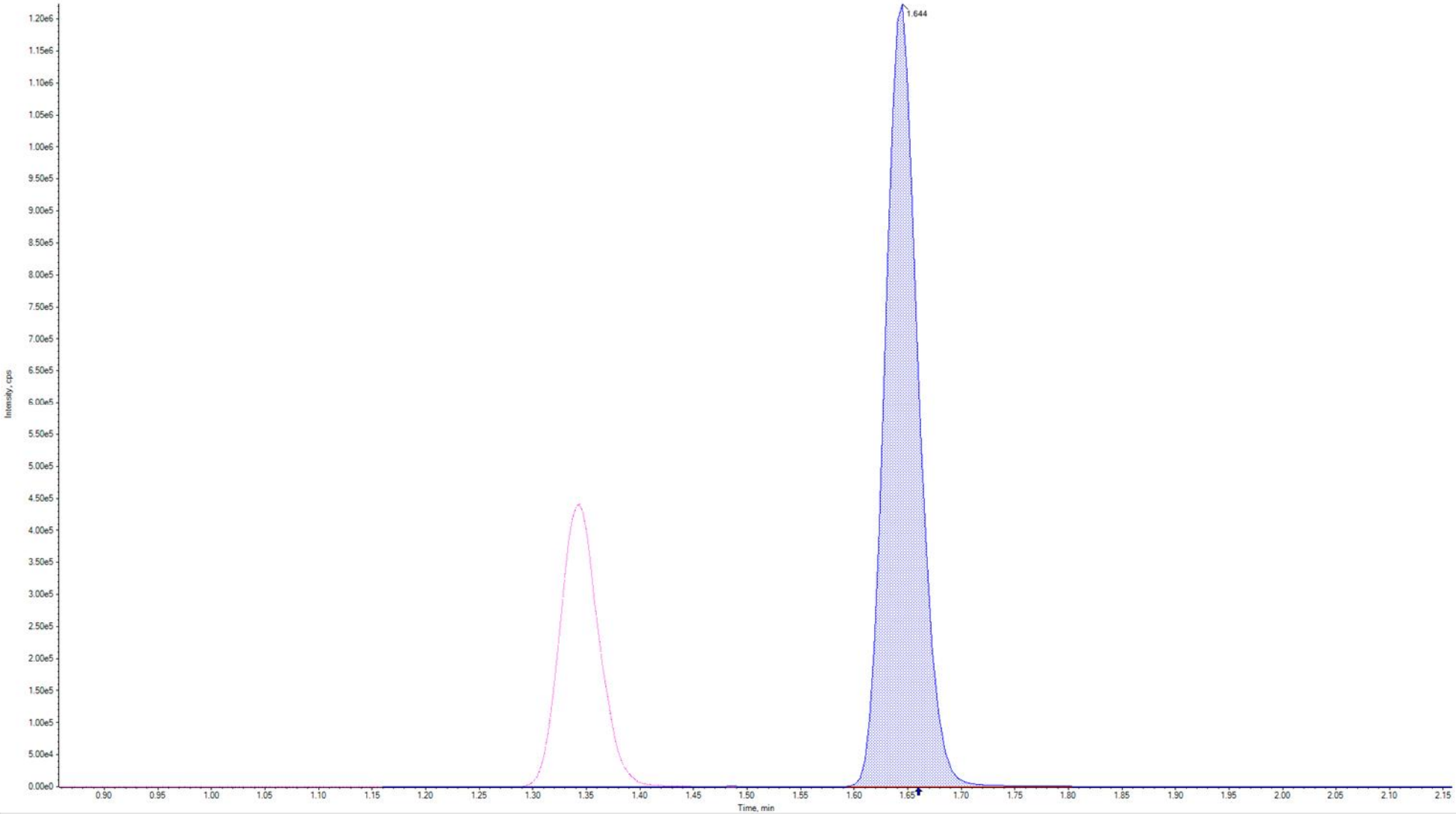
PFMBA
Sample: CA1633STD-10 S/N:16775.4 Points Across peak:58



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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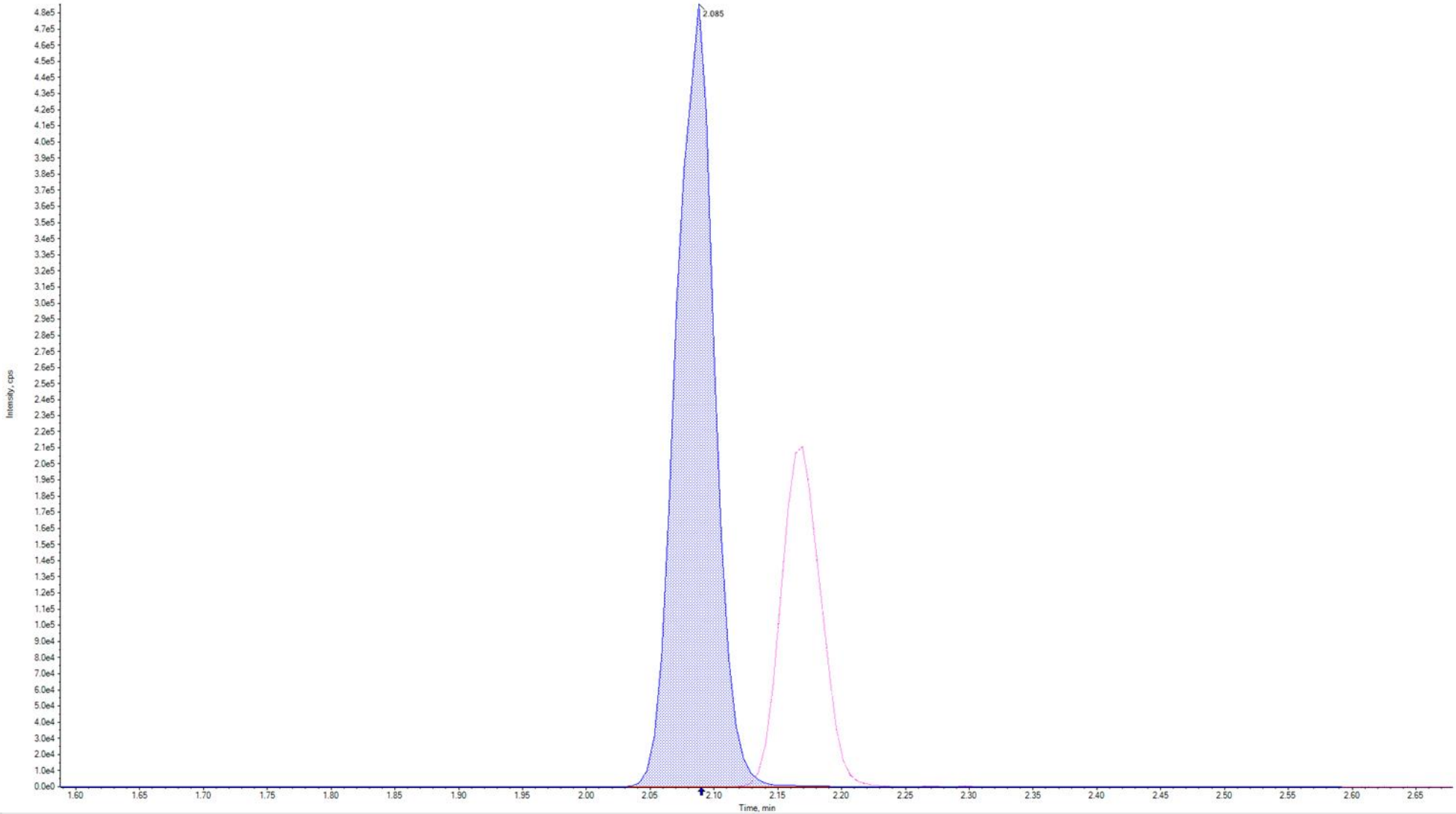
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

NFDHA
Sample: CA1633STD-10 S/N:7082.4 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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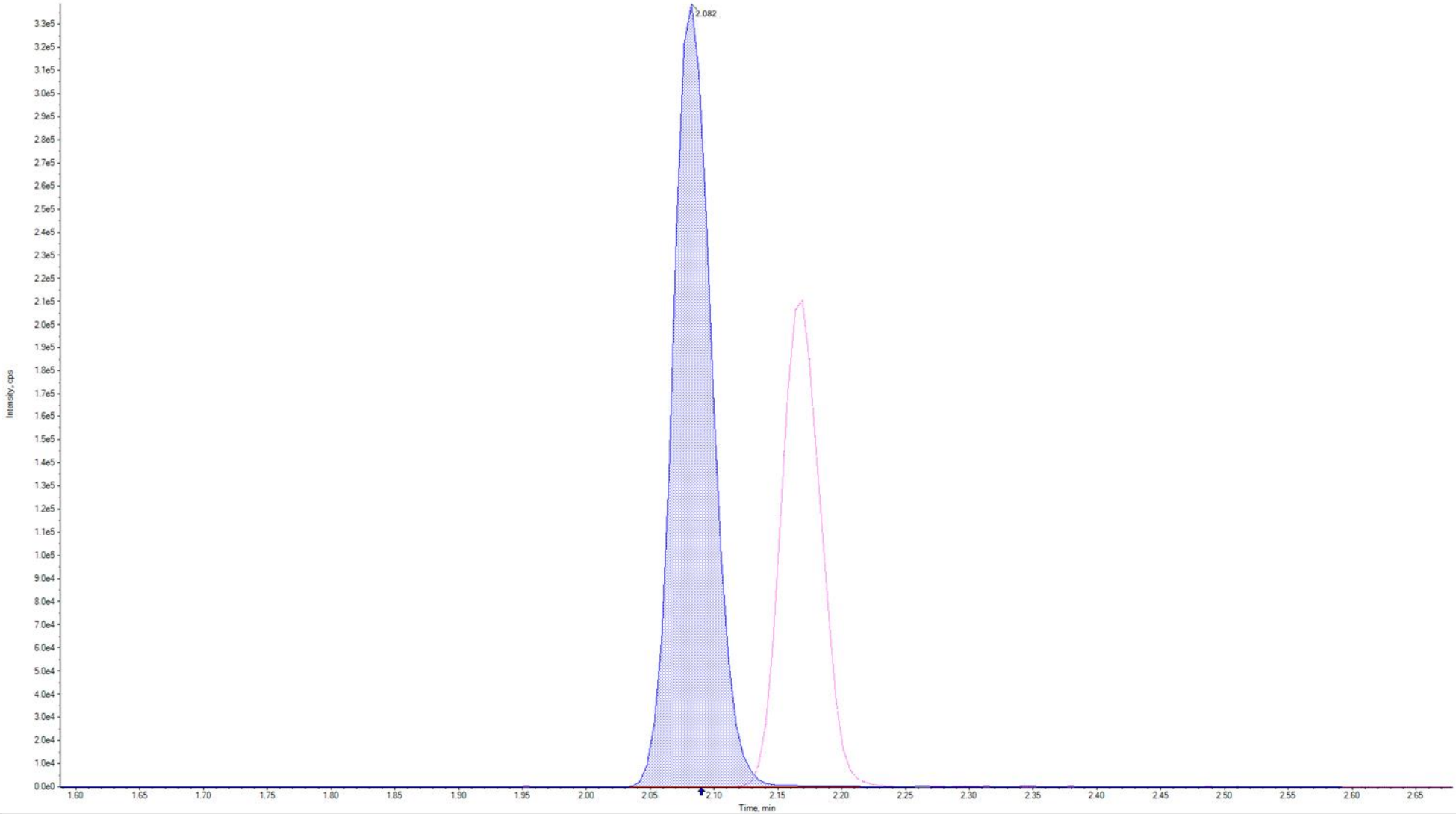
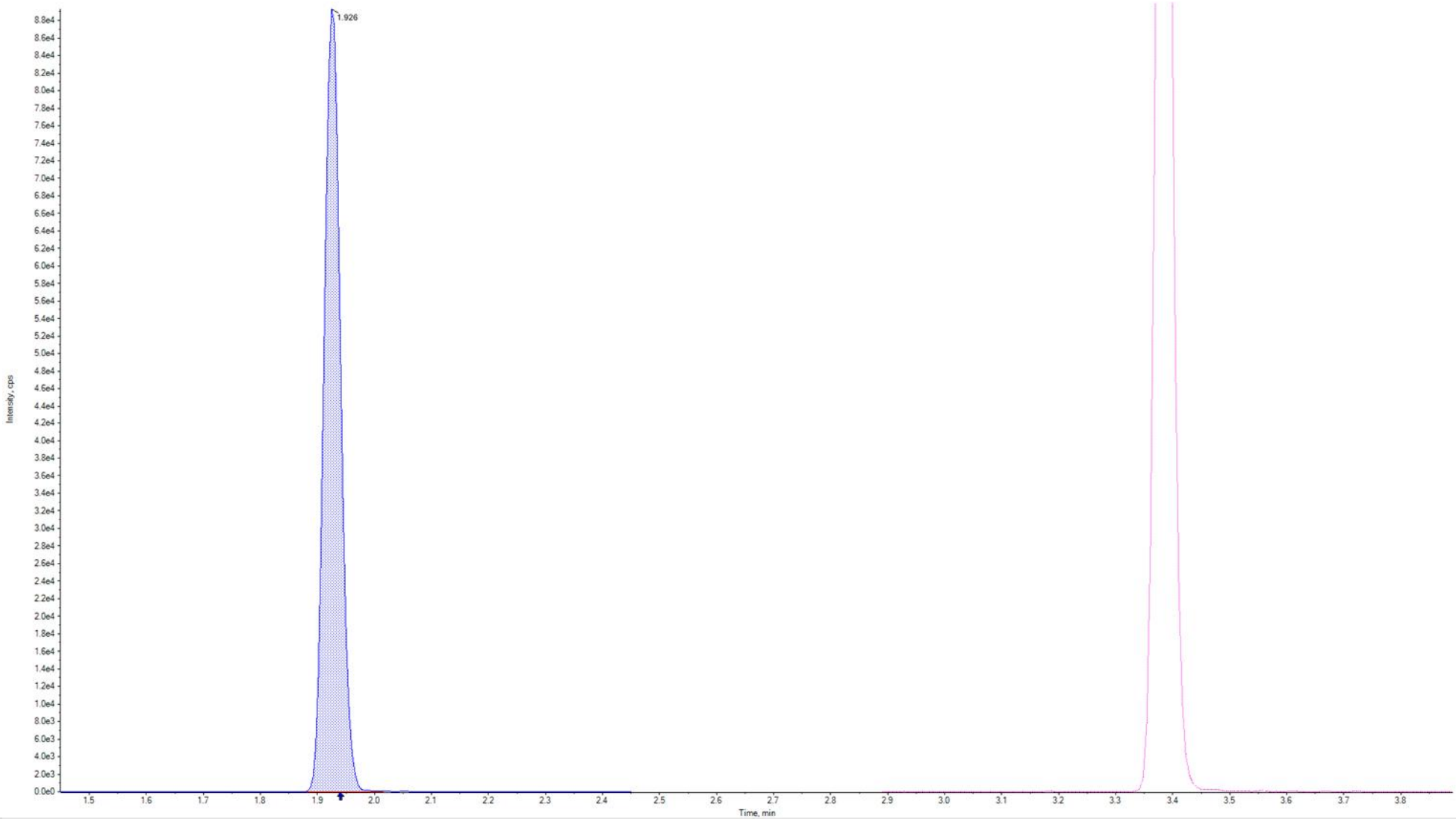
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

NFDHA_2
Sample: CA1633STD-10 S/N:9339.6 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

13C2D4-4:2FTS
Sample: CA1633STD-10 S/N:3357.4 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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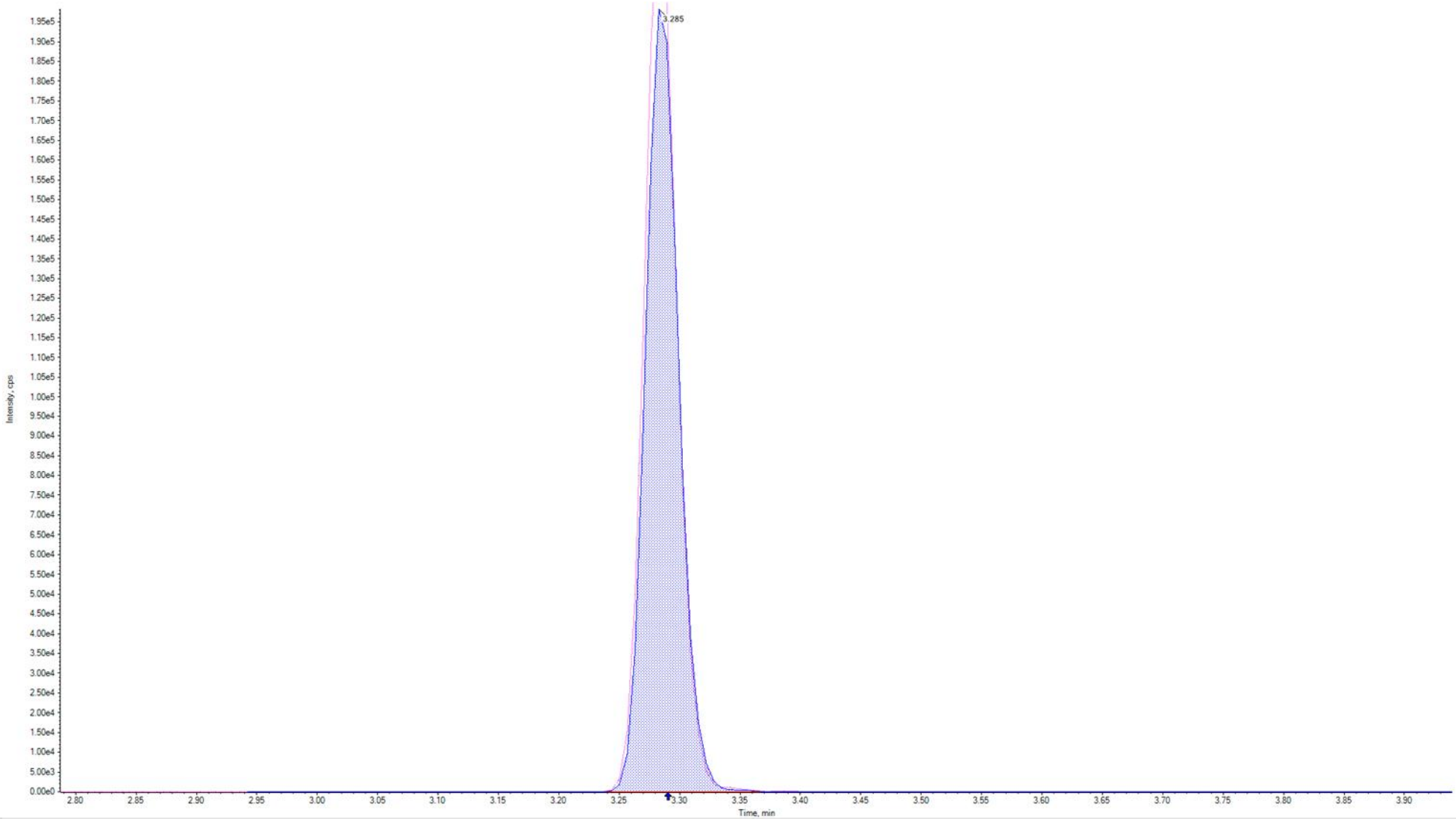
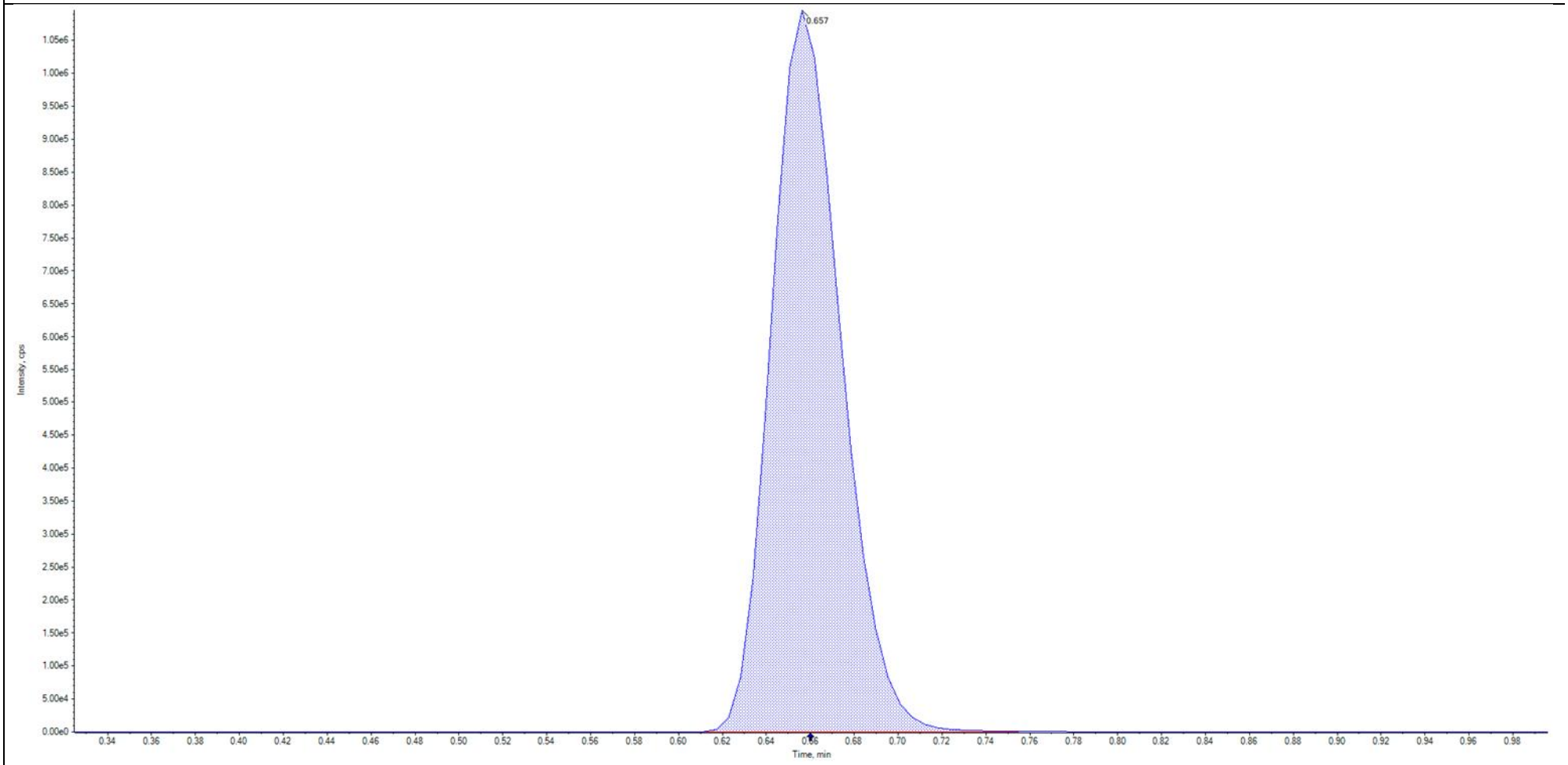
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

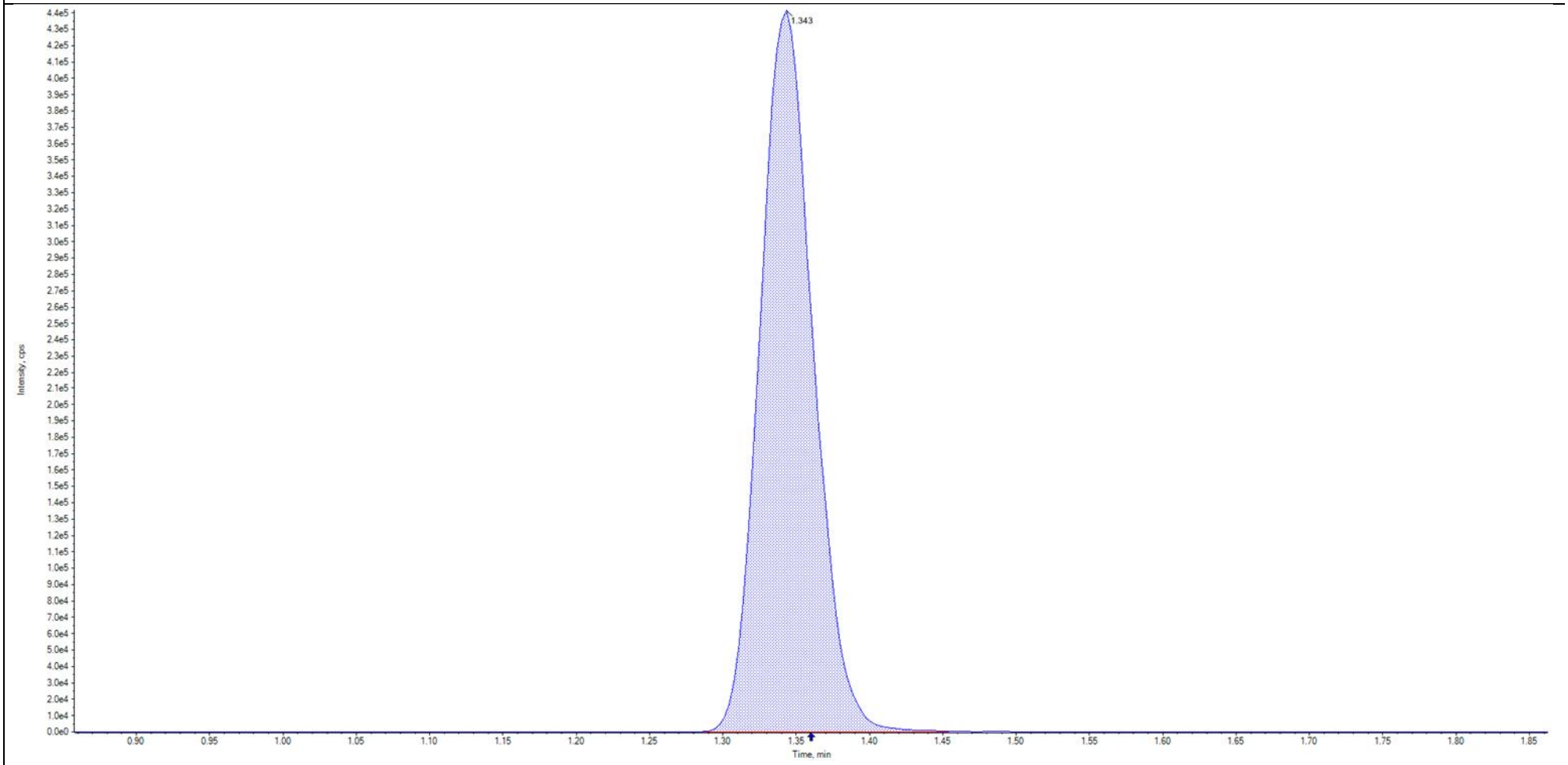
13C2-PFOA
Sample: CA1633STD-10 S/N:4472.0 Points Across peak:36



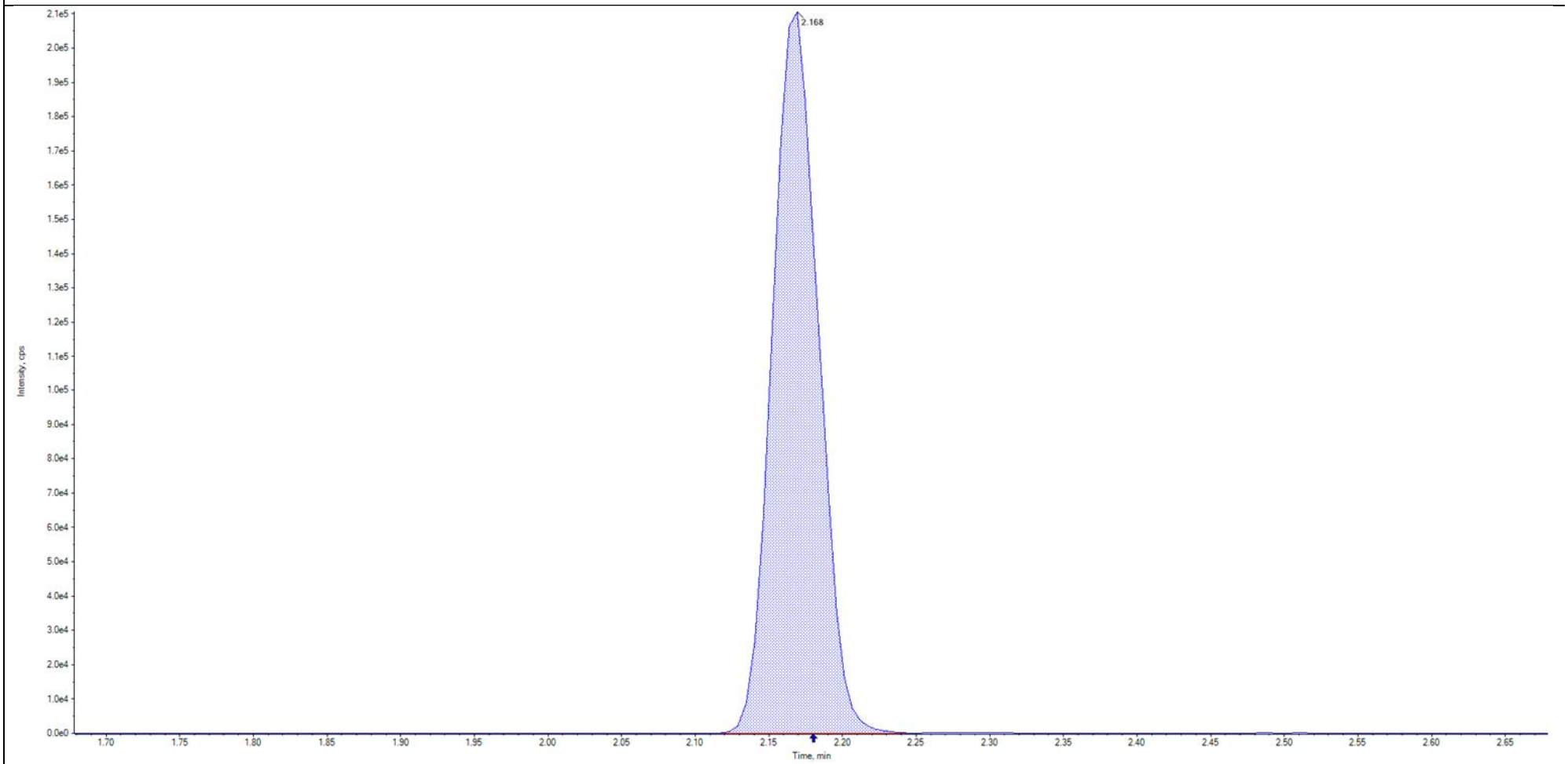
13C4-PFBA
Sample: CA1633STD-10



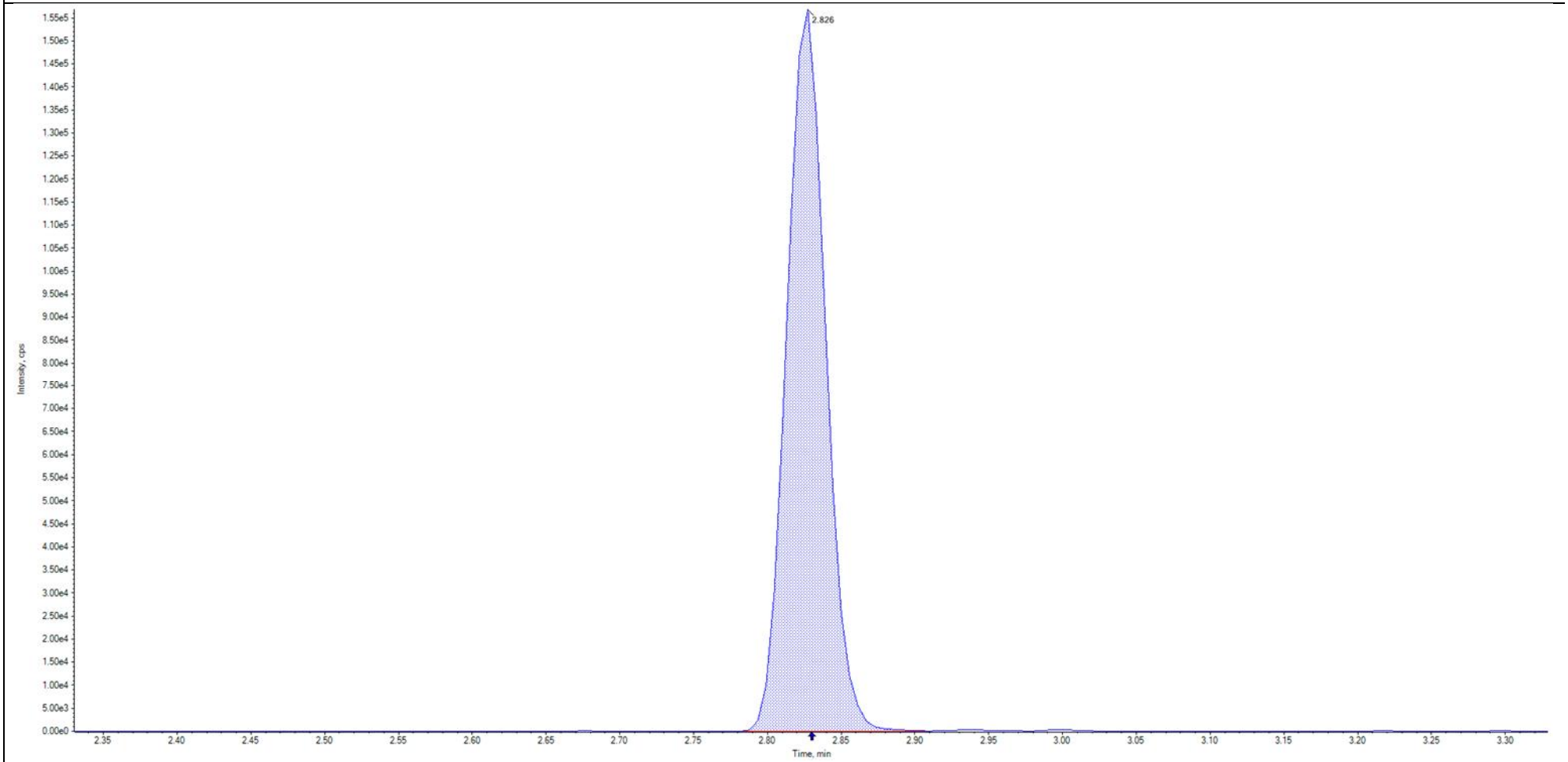
13C5-PFPeA
Sample: CA1633STD-10



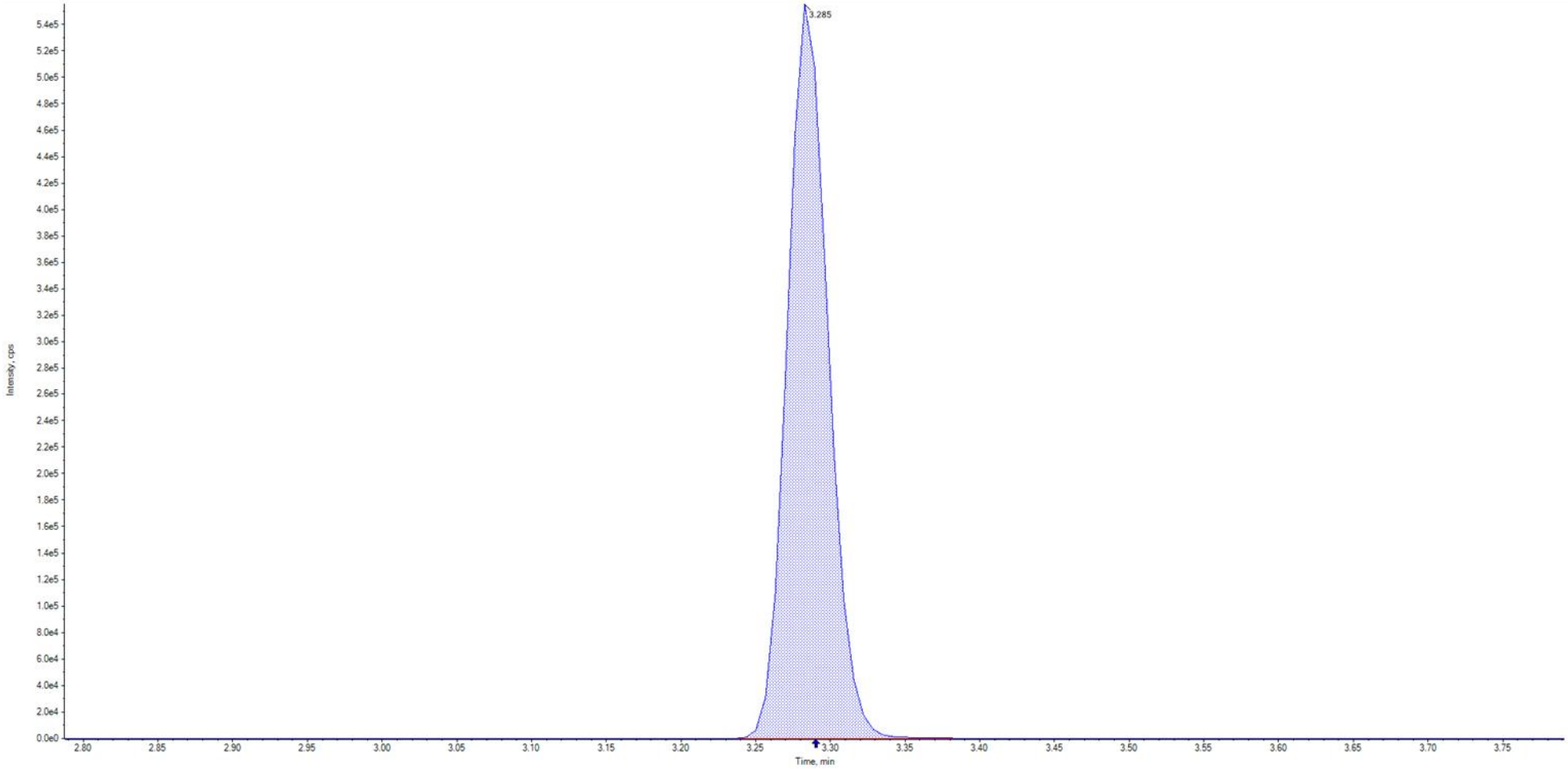
13C5-PFHxA
Sample: CA1633STD-10



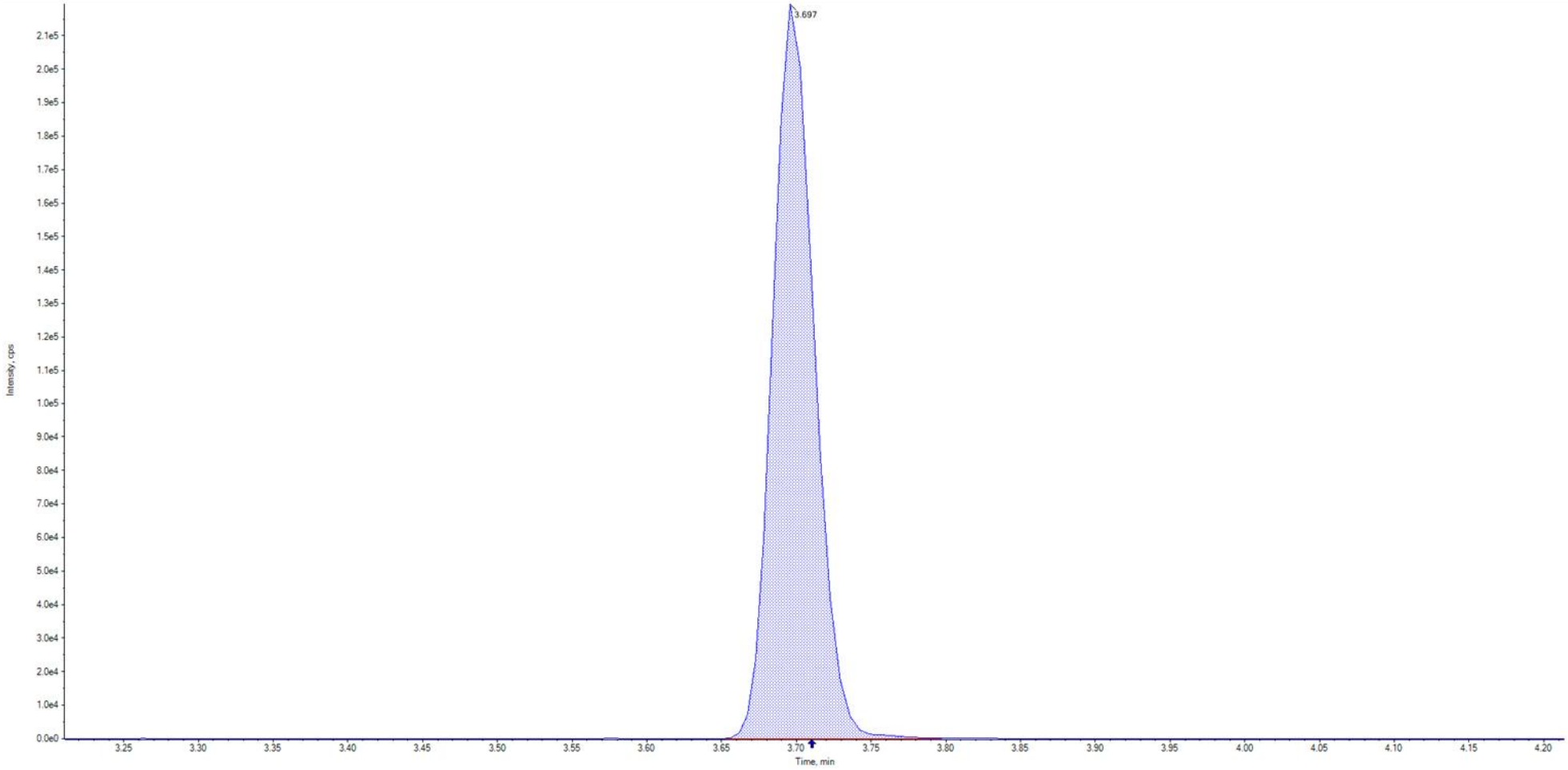
13C4-PFHpA
Sample: CA1633STD-10



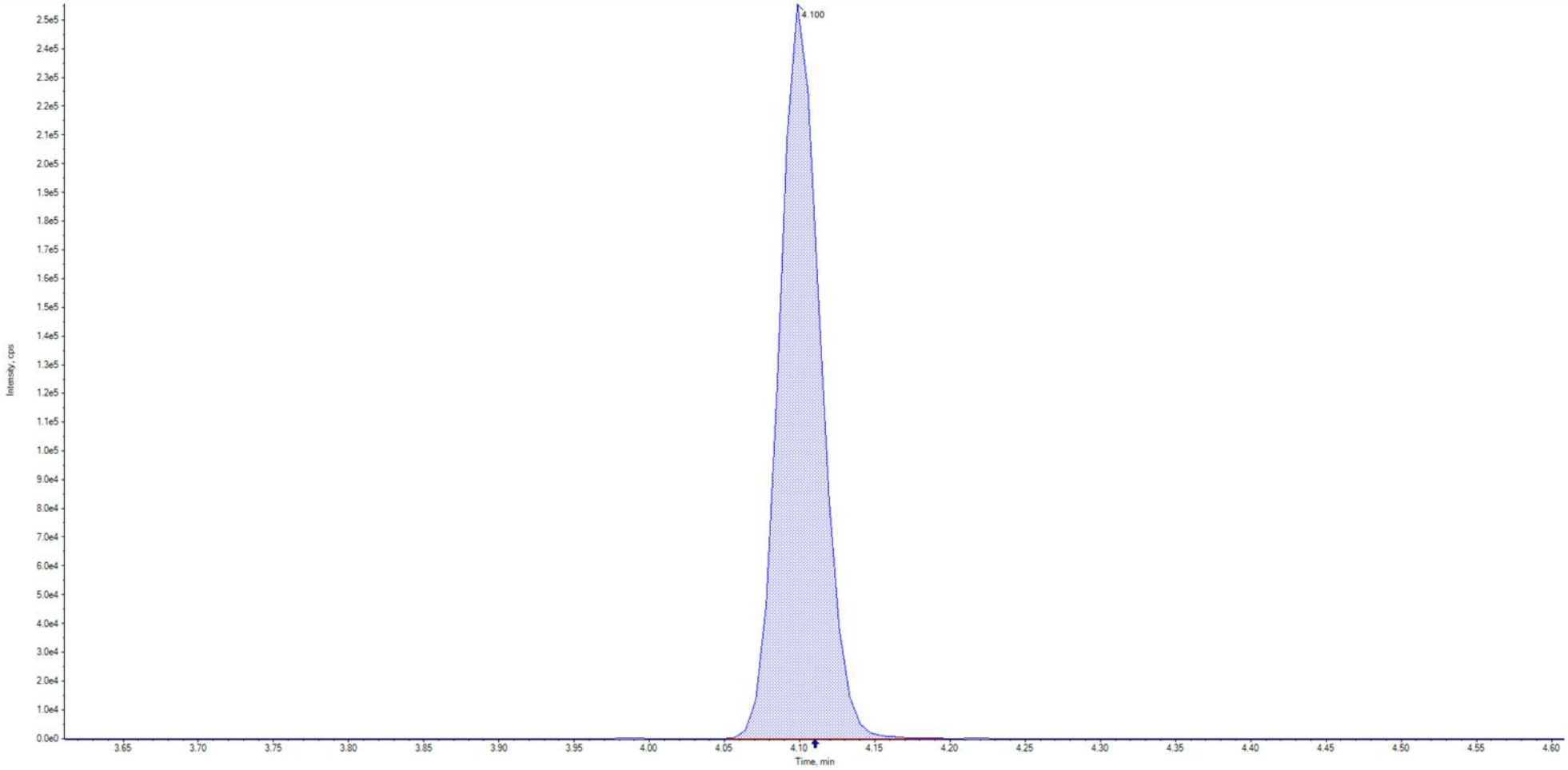
13C8-PFOA
Sample: CA1633STD-10



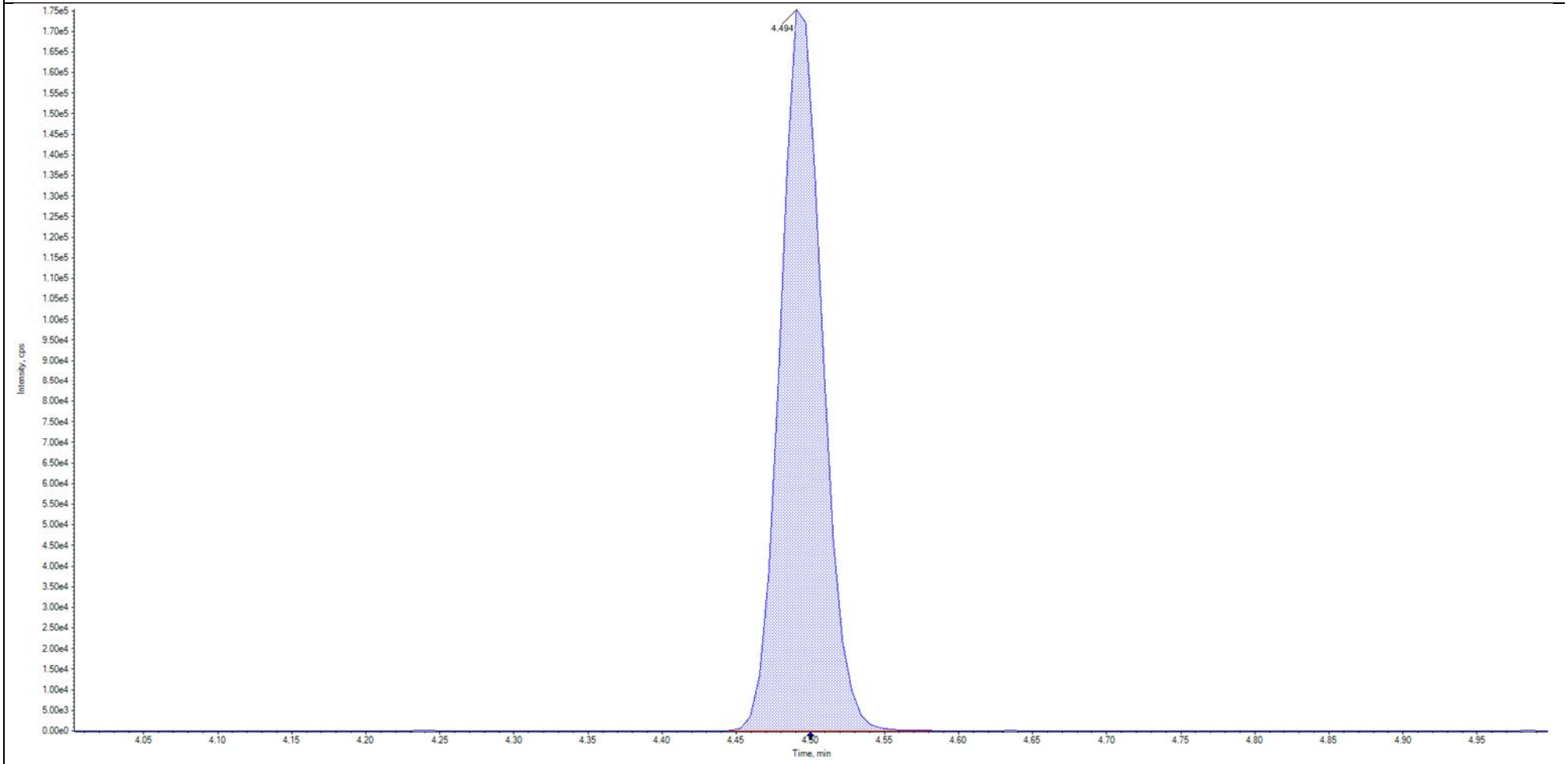
13C9-PFNA
Sample: CA1633STD-10



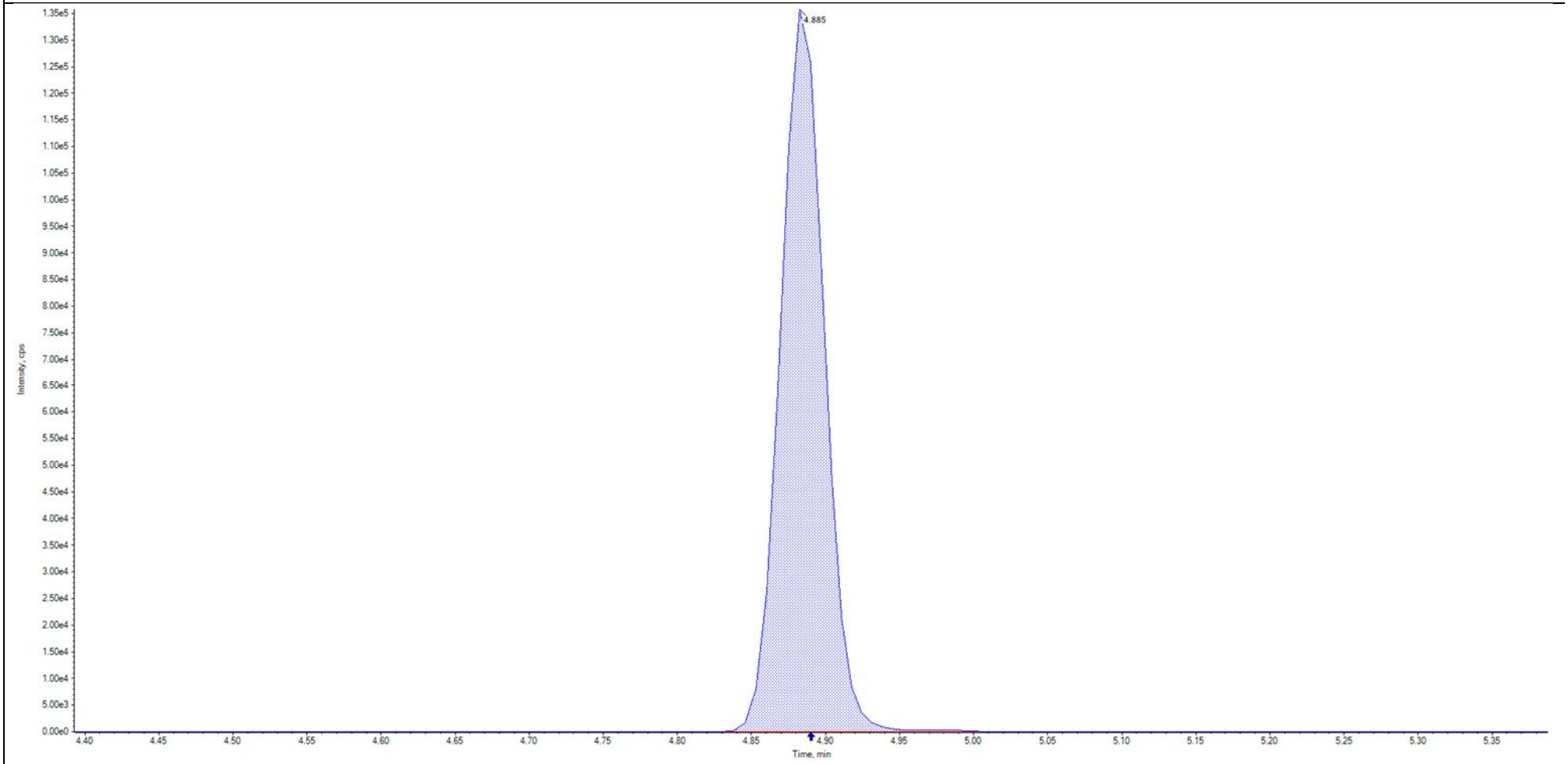
13C6-PFDA
Sample: CA1633STD-10



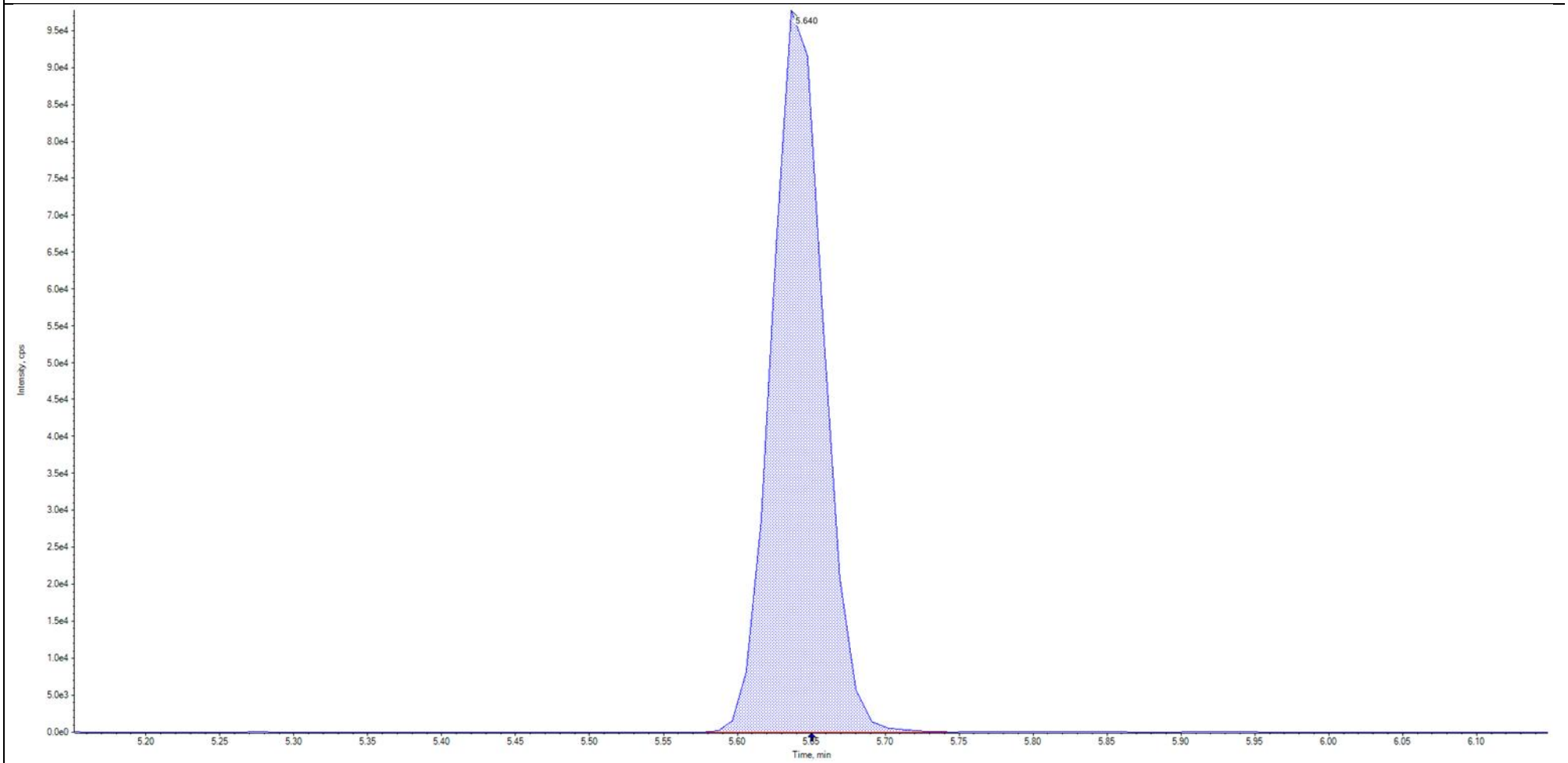
13C7-PFUnA
Sample: CA1633STD-10



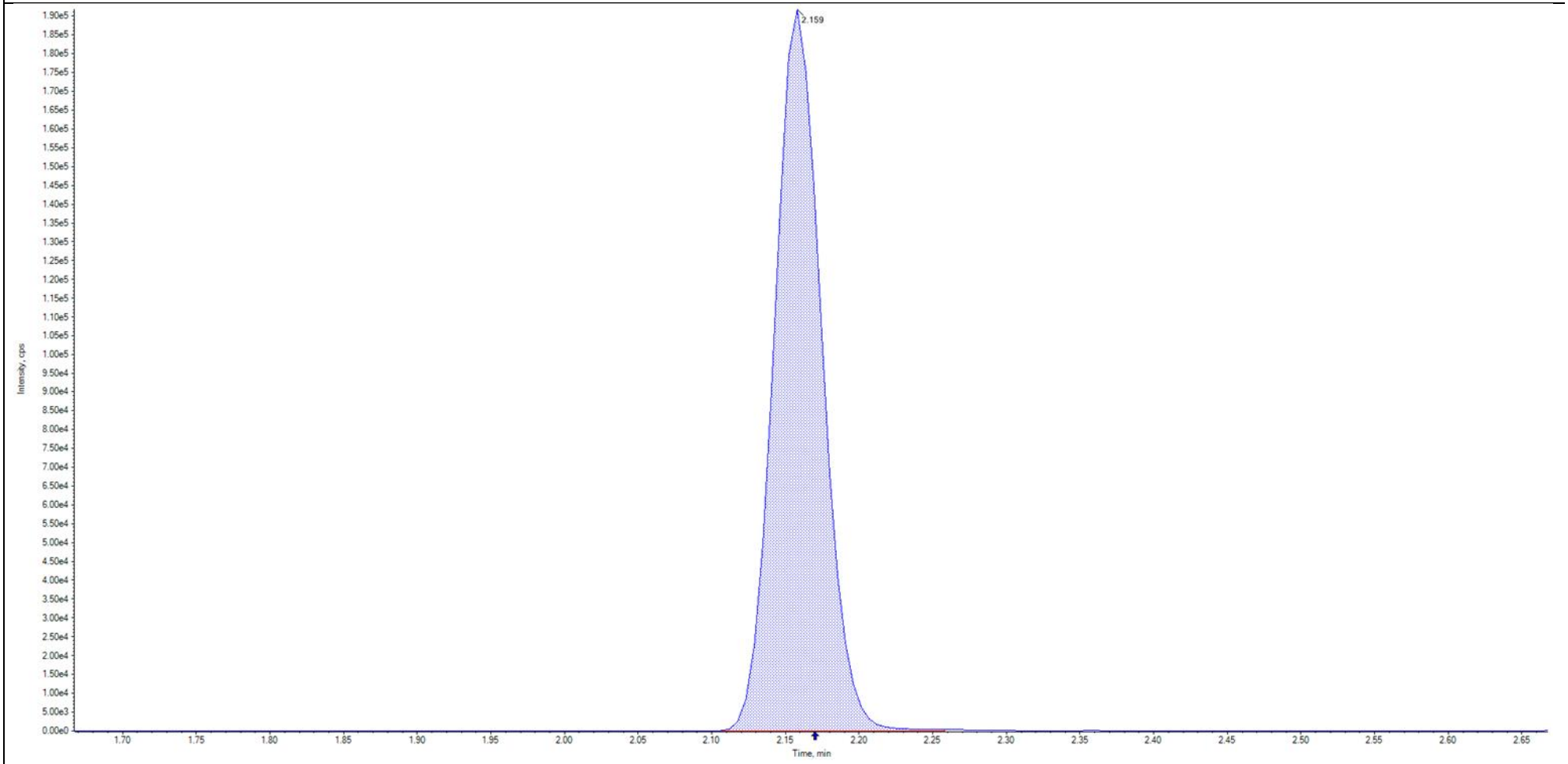
13C2-PFDoA
Sample: CA1633STD-10



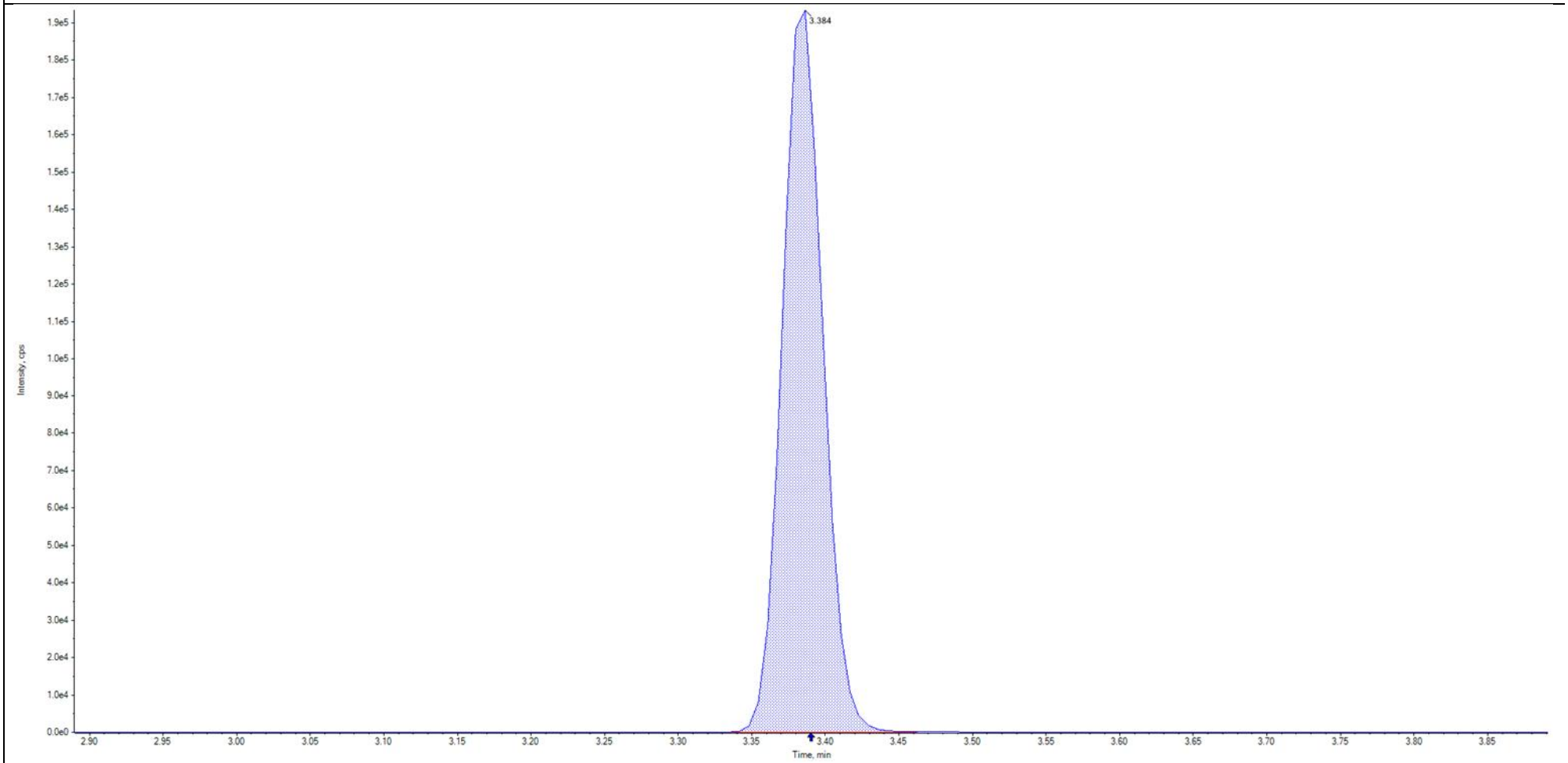
13C2-PFTeDA
Sample: CA1633STD-10



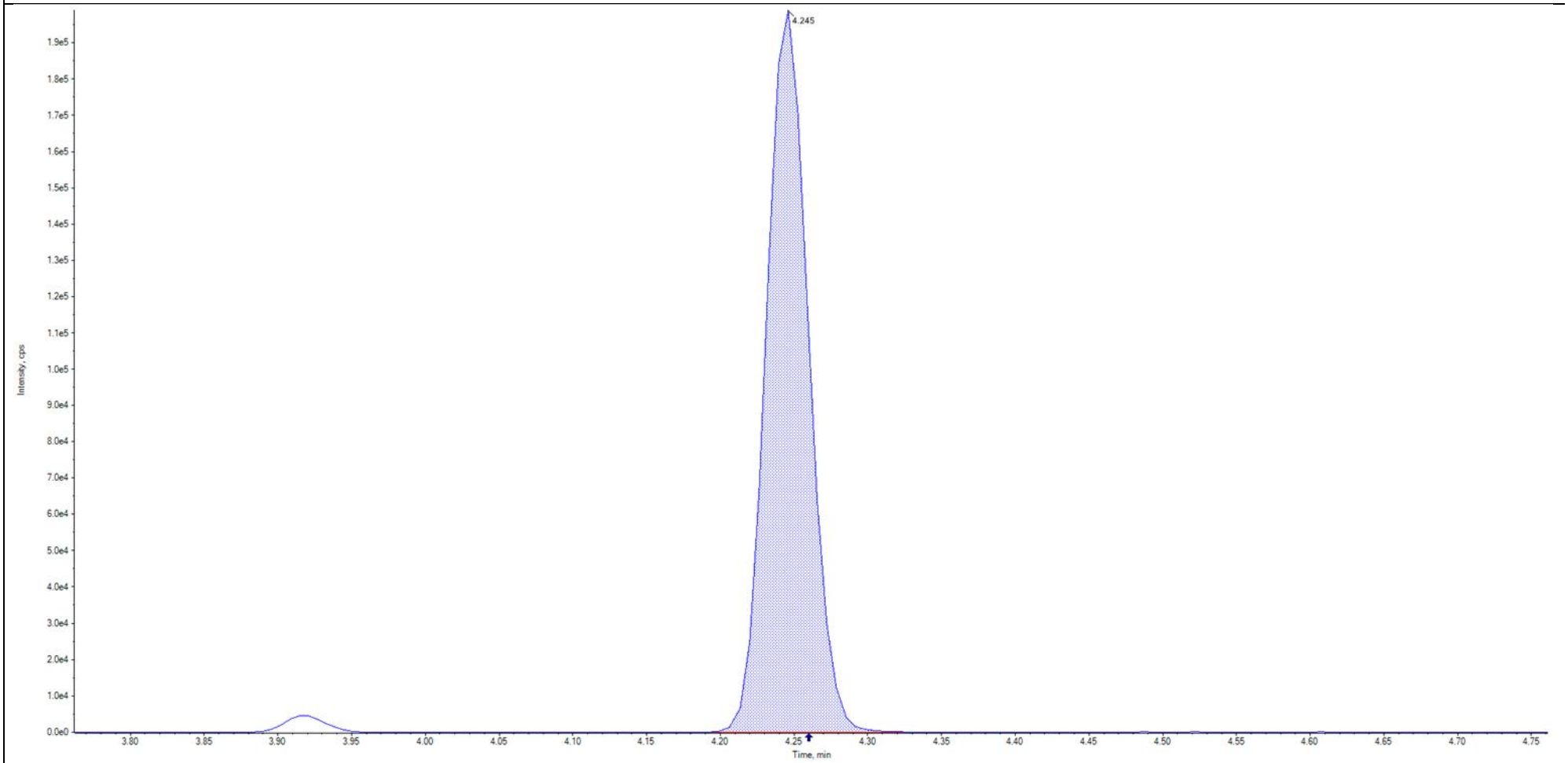
13C3-PFBS
Sample: CA1633STD-10



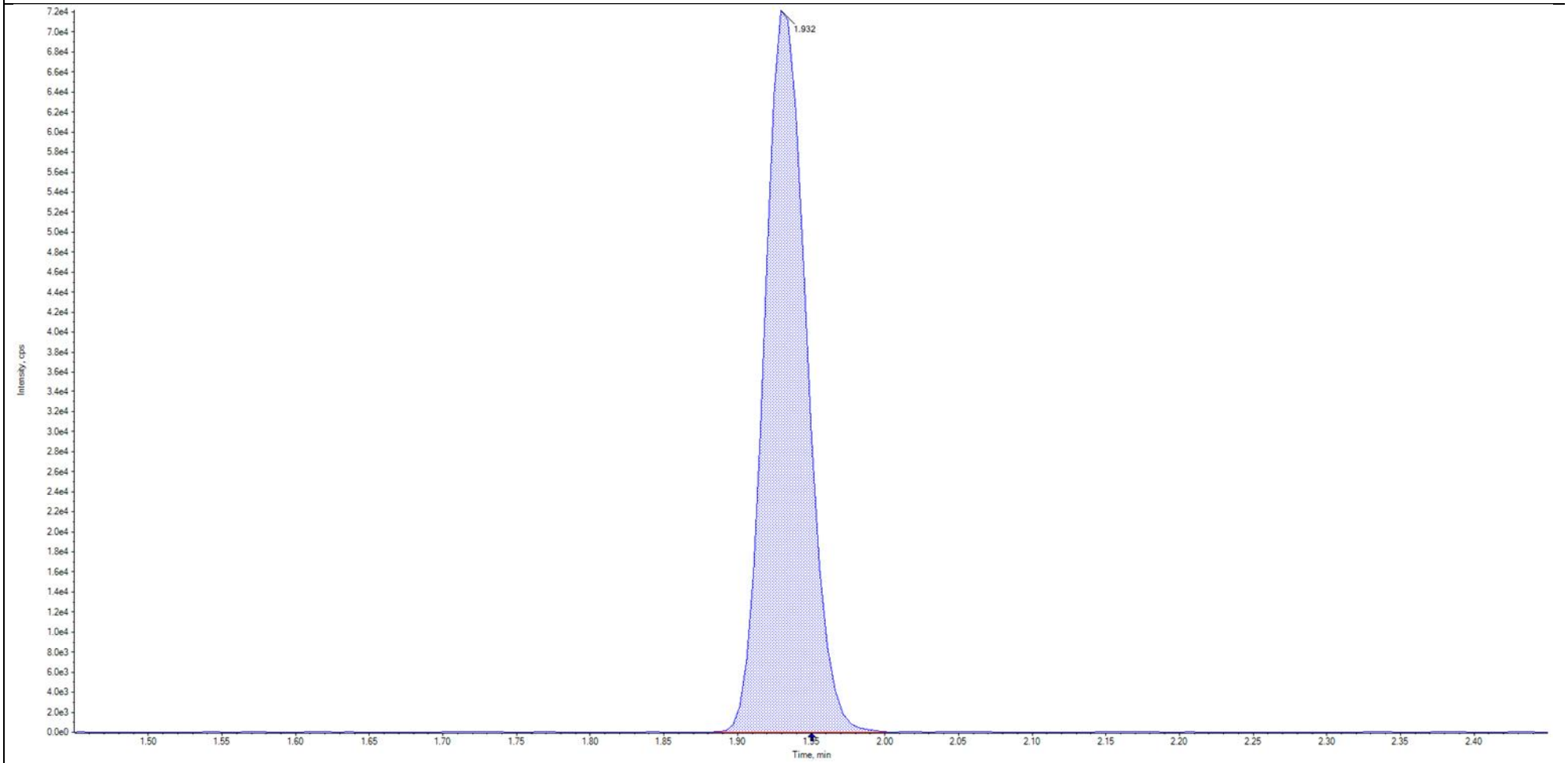
13C3-PFHxS
Sample: CA1633STD-10



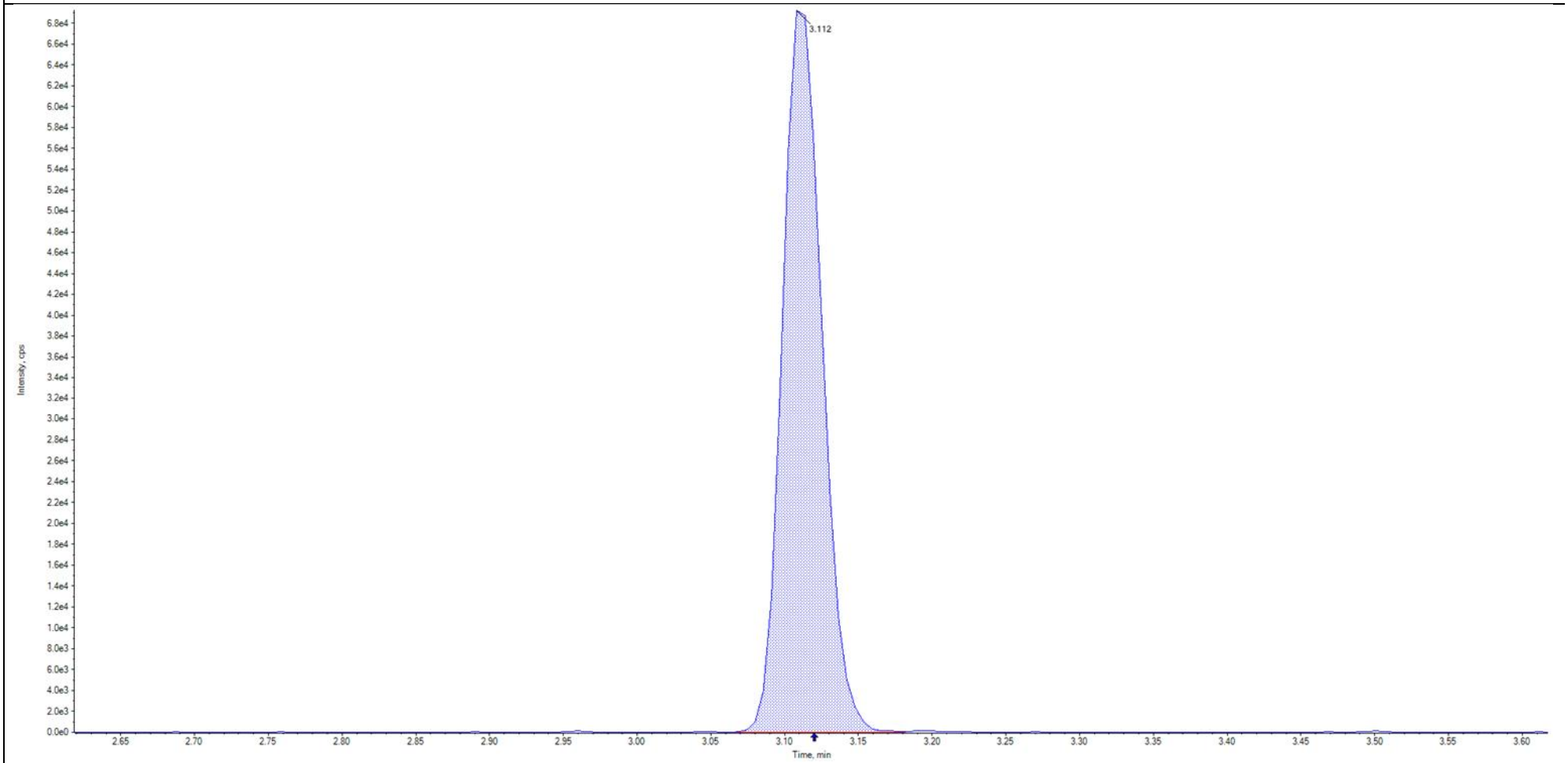
13C8-PFOS
Sample: CA1633STD-10



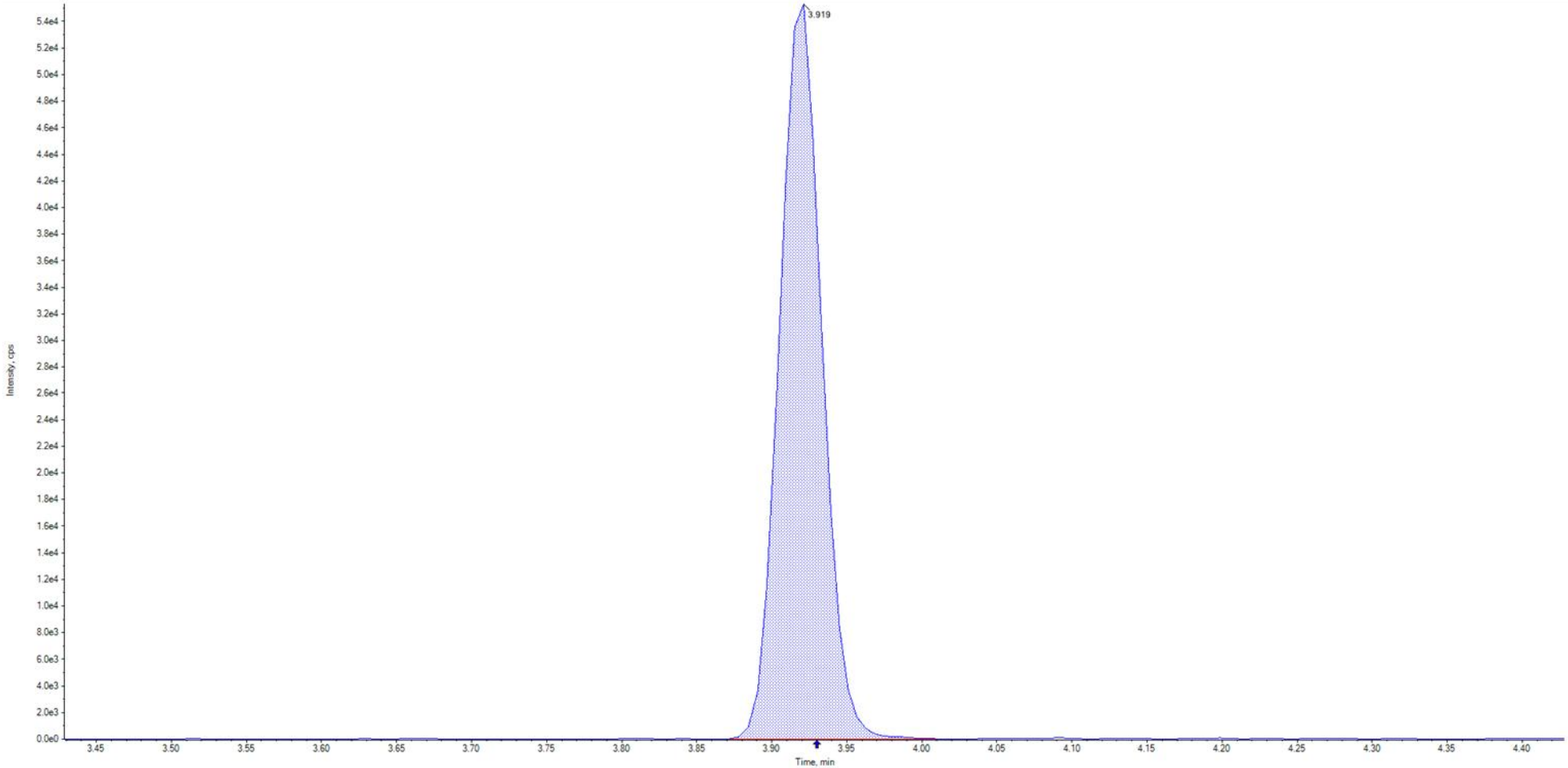
13C2-4:2FTS
Sample: CA1633STD-10



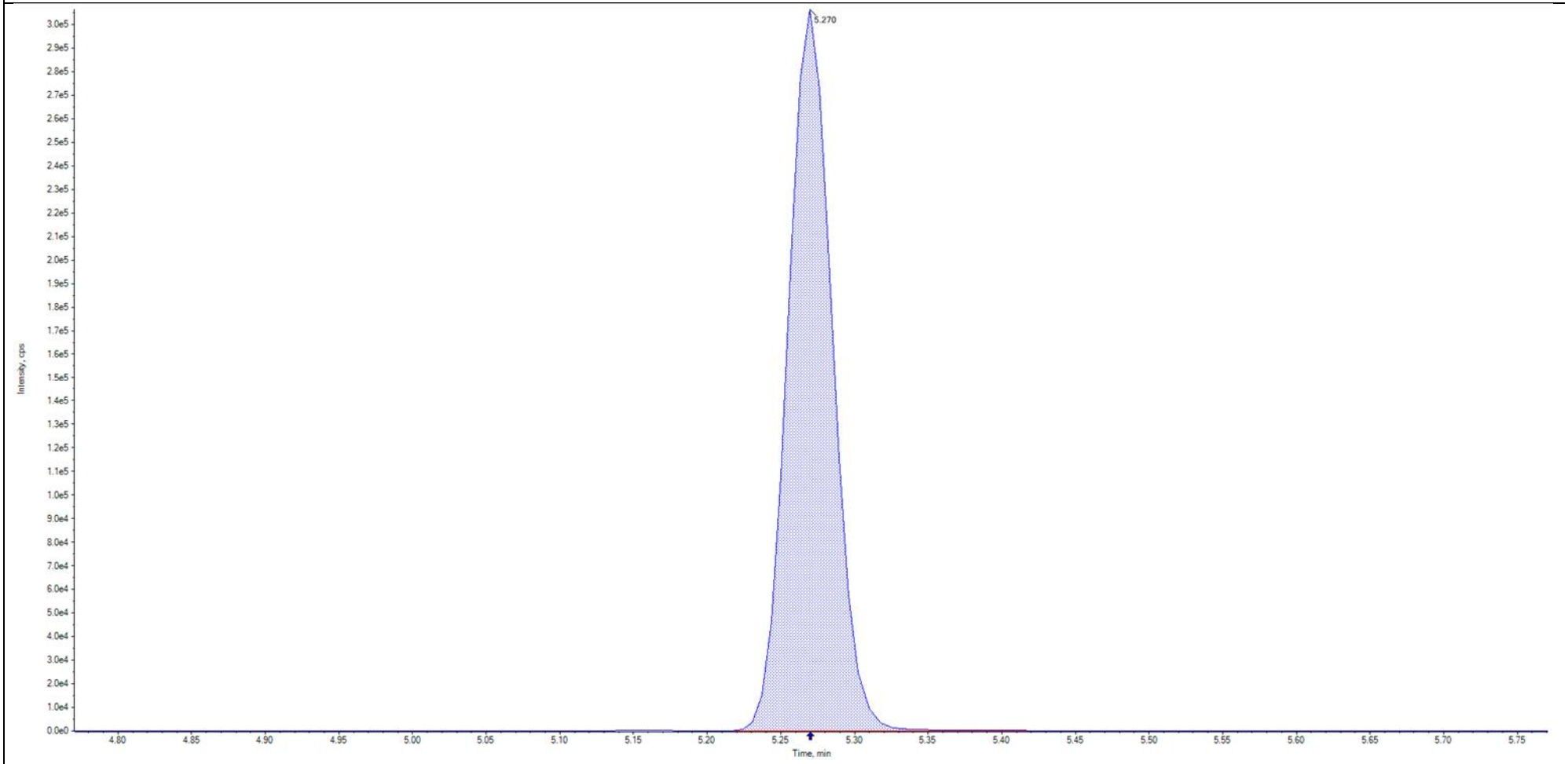
13C2-6:2FTS
Sample: CA1633STD-10



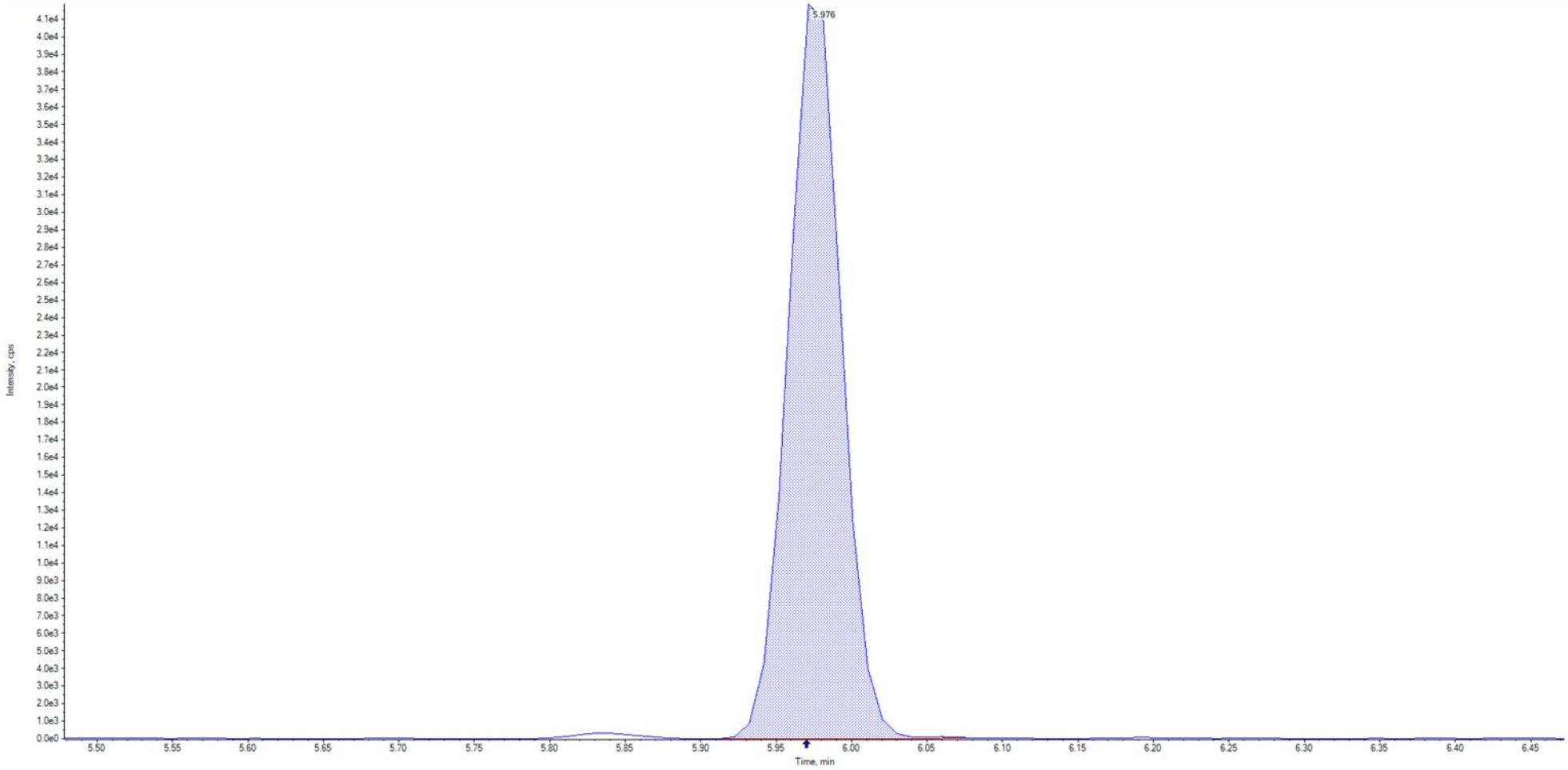
13C2-8:2FTS
Sample: CA1633STD-10



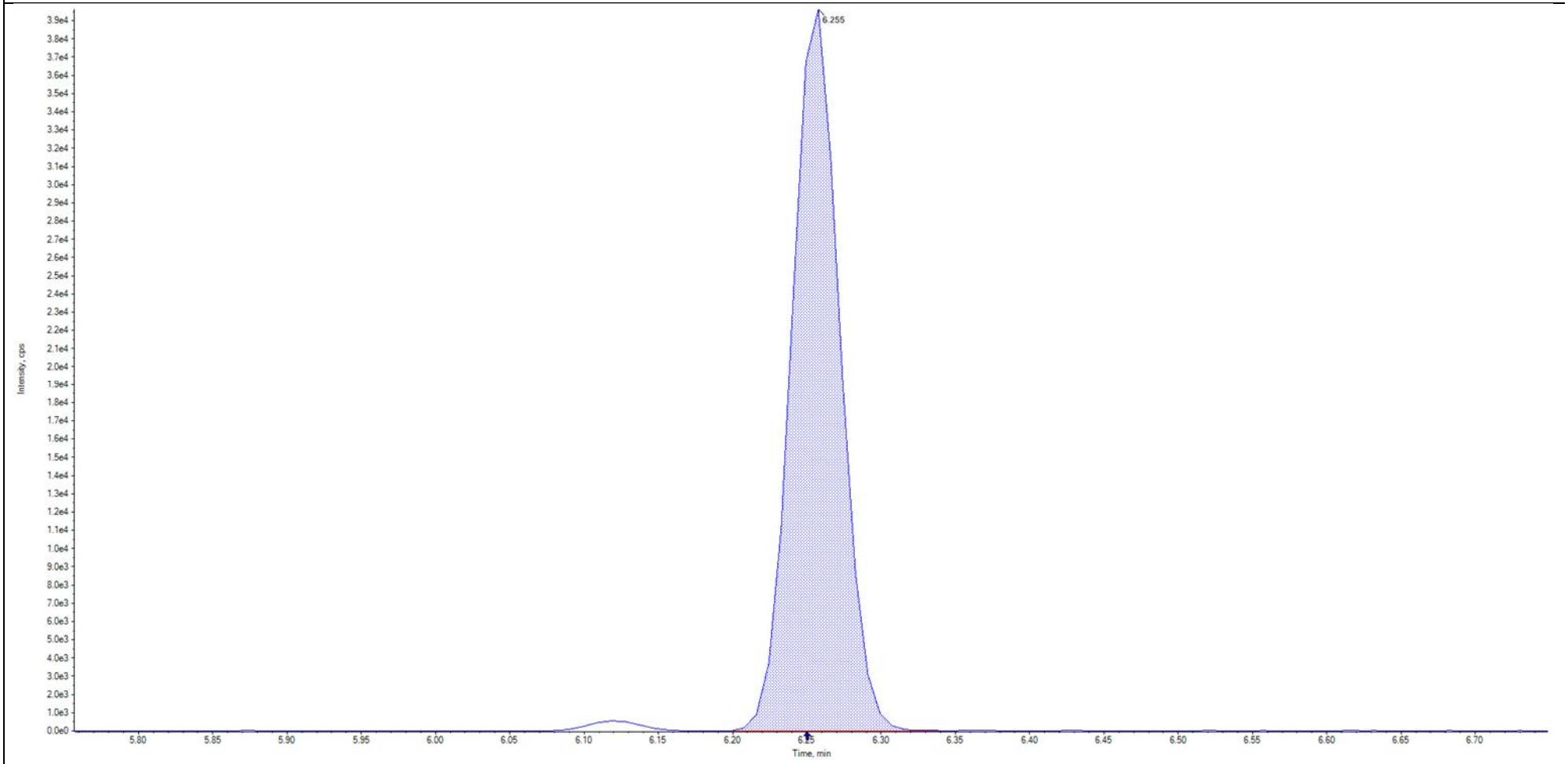
13C8-PFOSA
Sample: CA1633STD-10



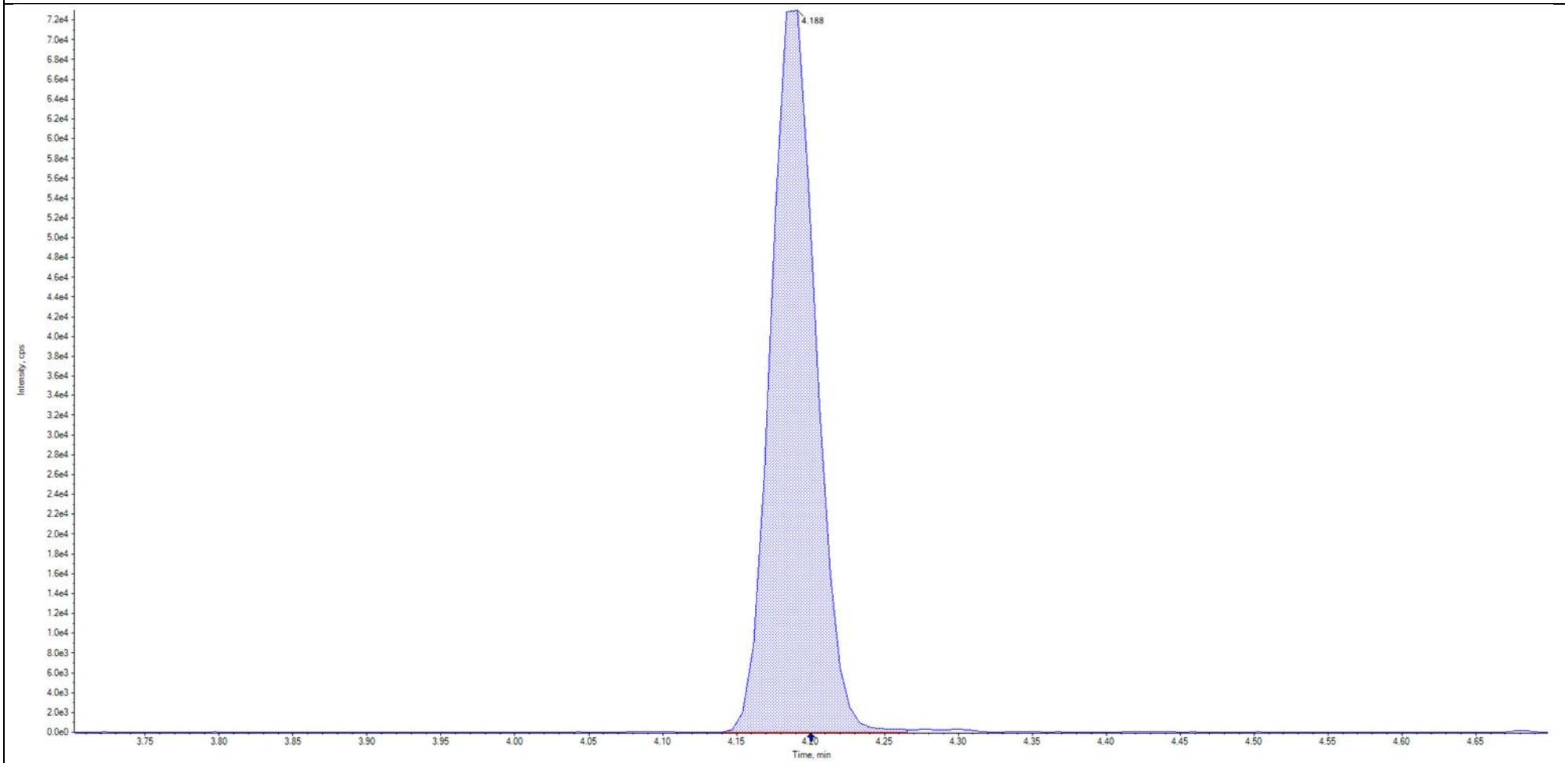
d3-NMeFOSA
Sample: CA1633STD-10



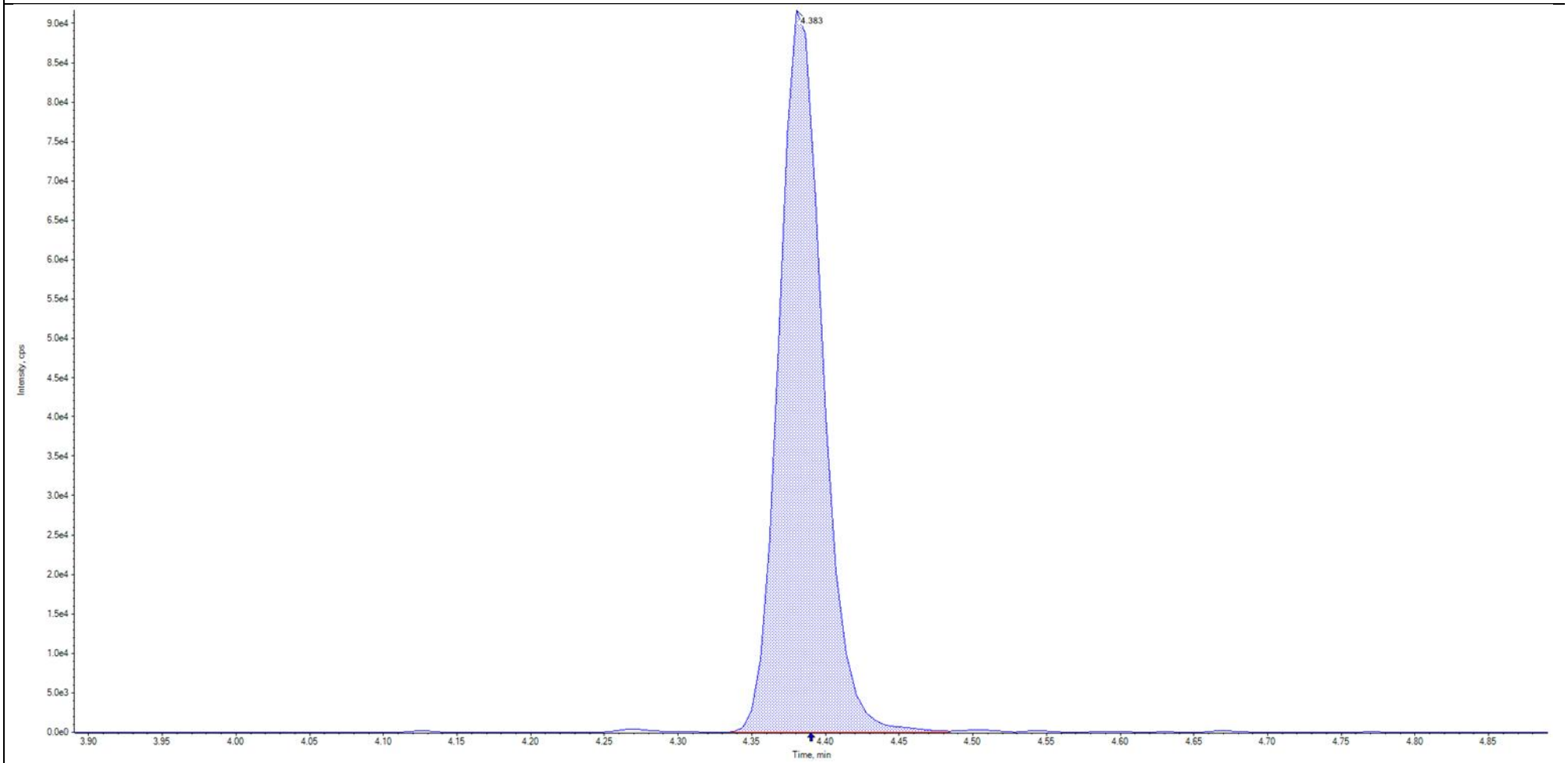
d5-NEtFOSA
Sample: CA1633STD-10



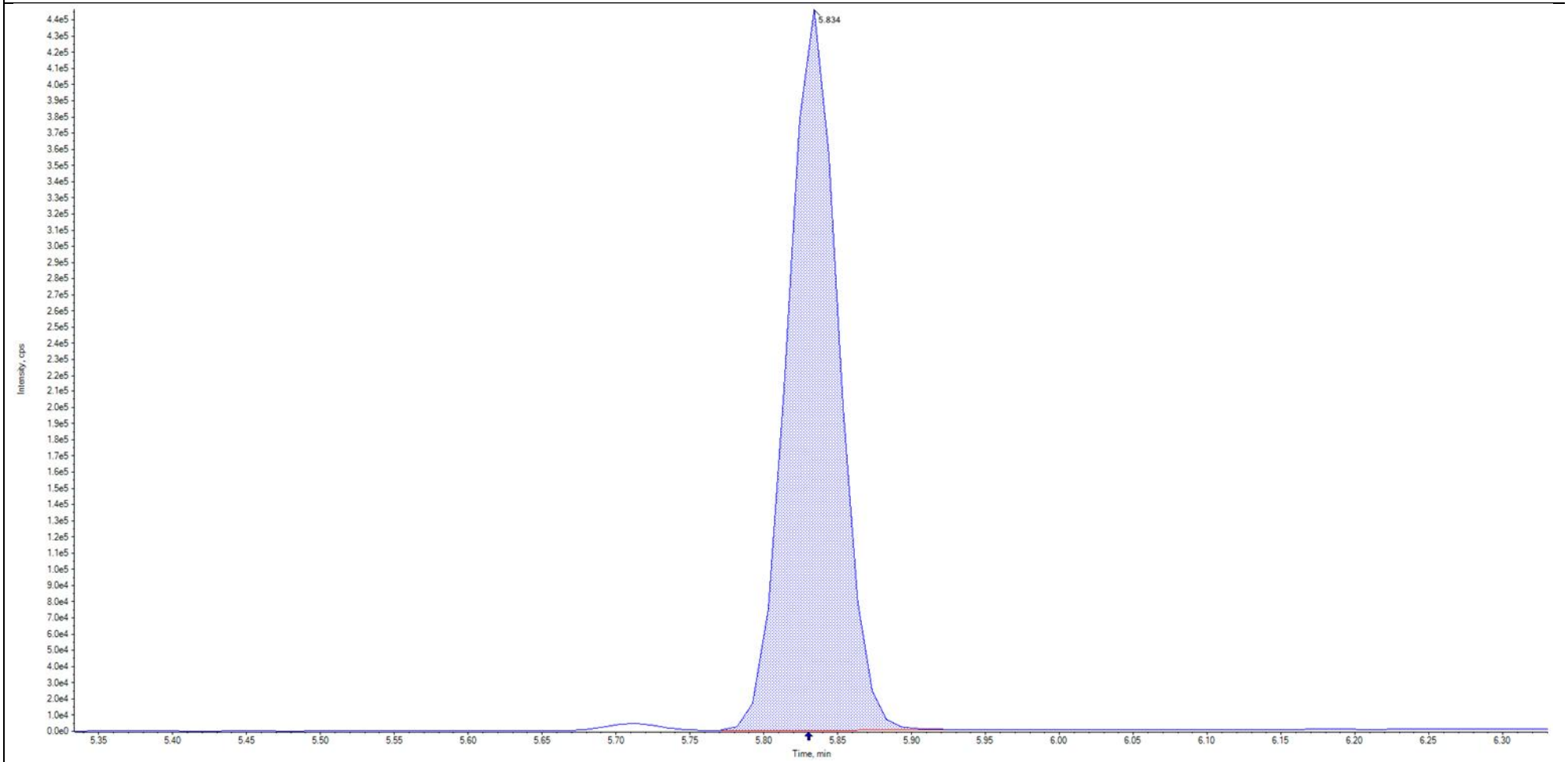
d3-NMeFOSAA
Sample: CA1633STD-10



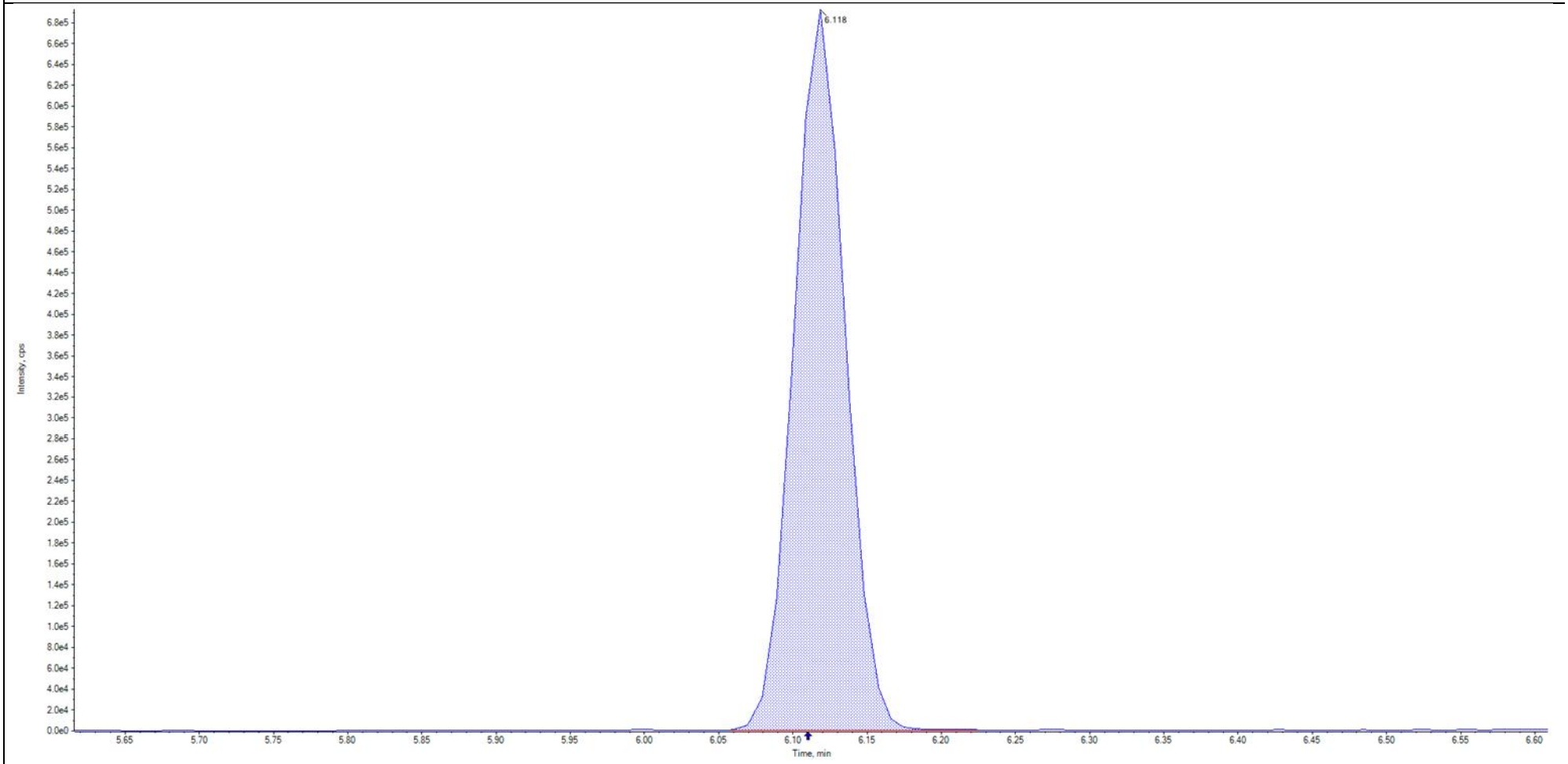
d5-NEtFOSAA
Sample: CA1633STD-10



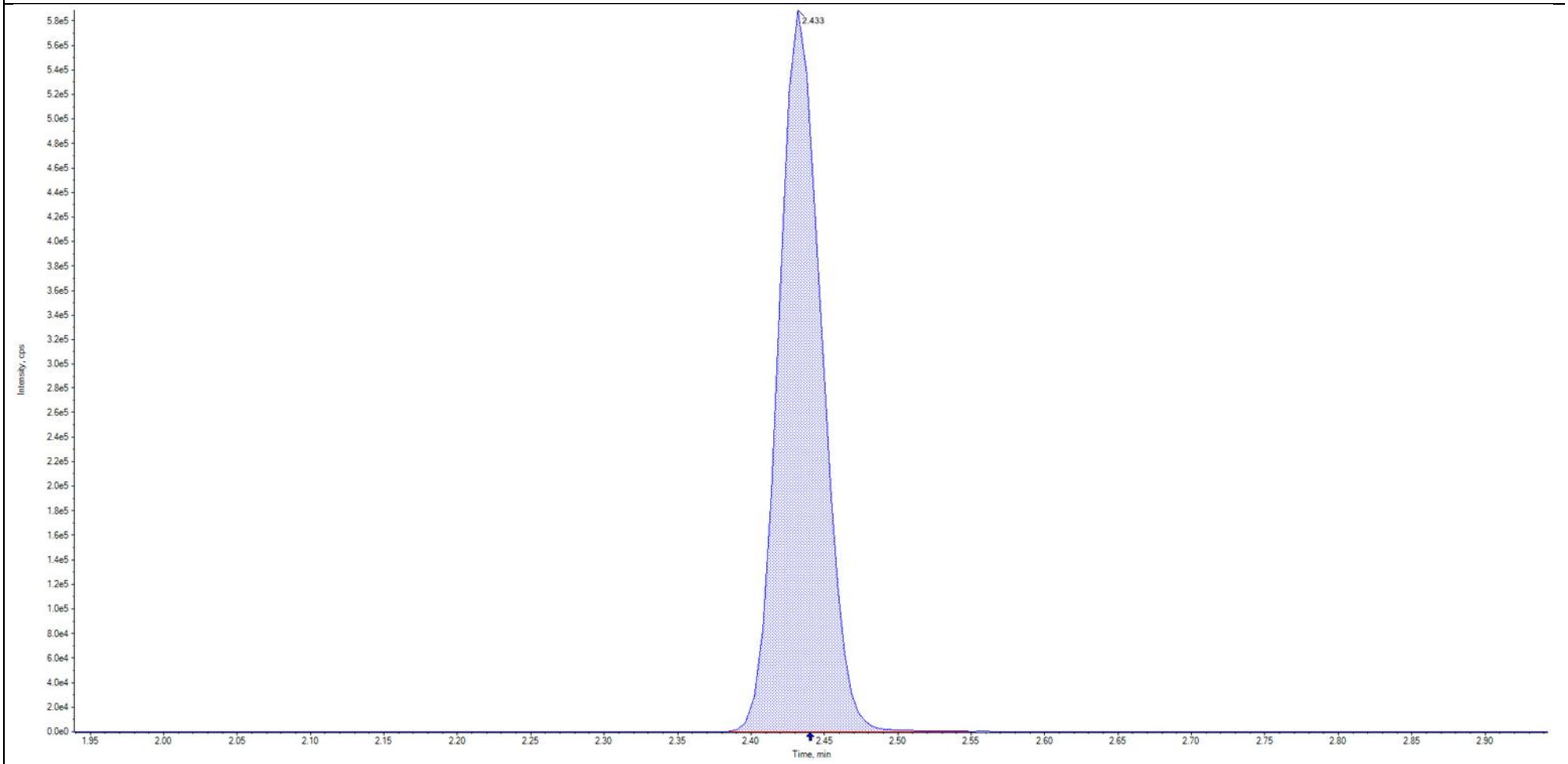
d7-NMeFOSE
Sample: CA1633STD-10



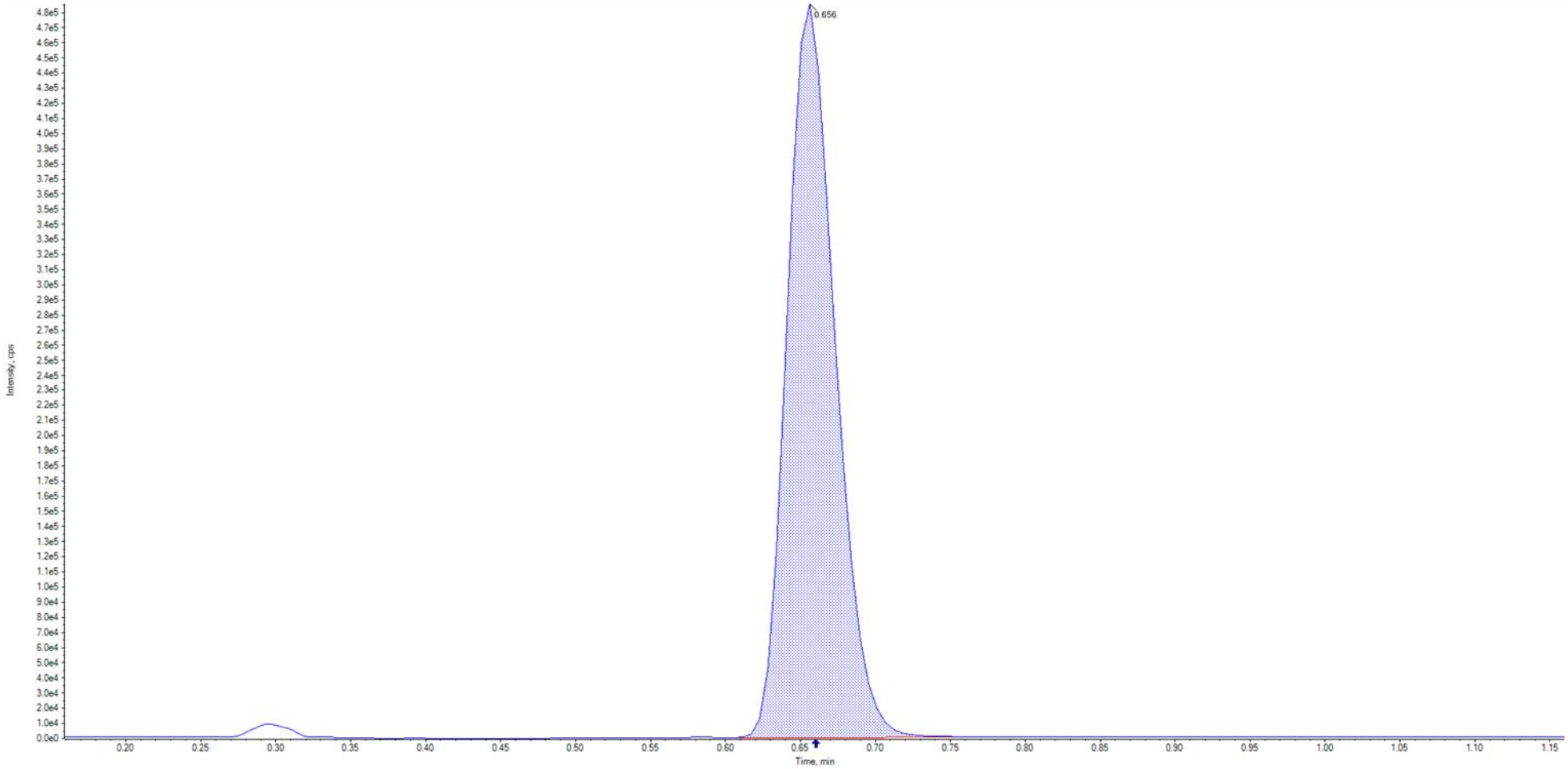
d9-NEtFOSE
Sample: CA1633STD-10



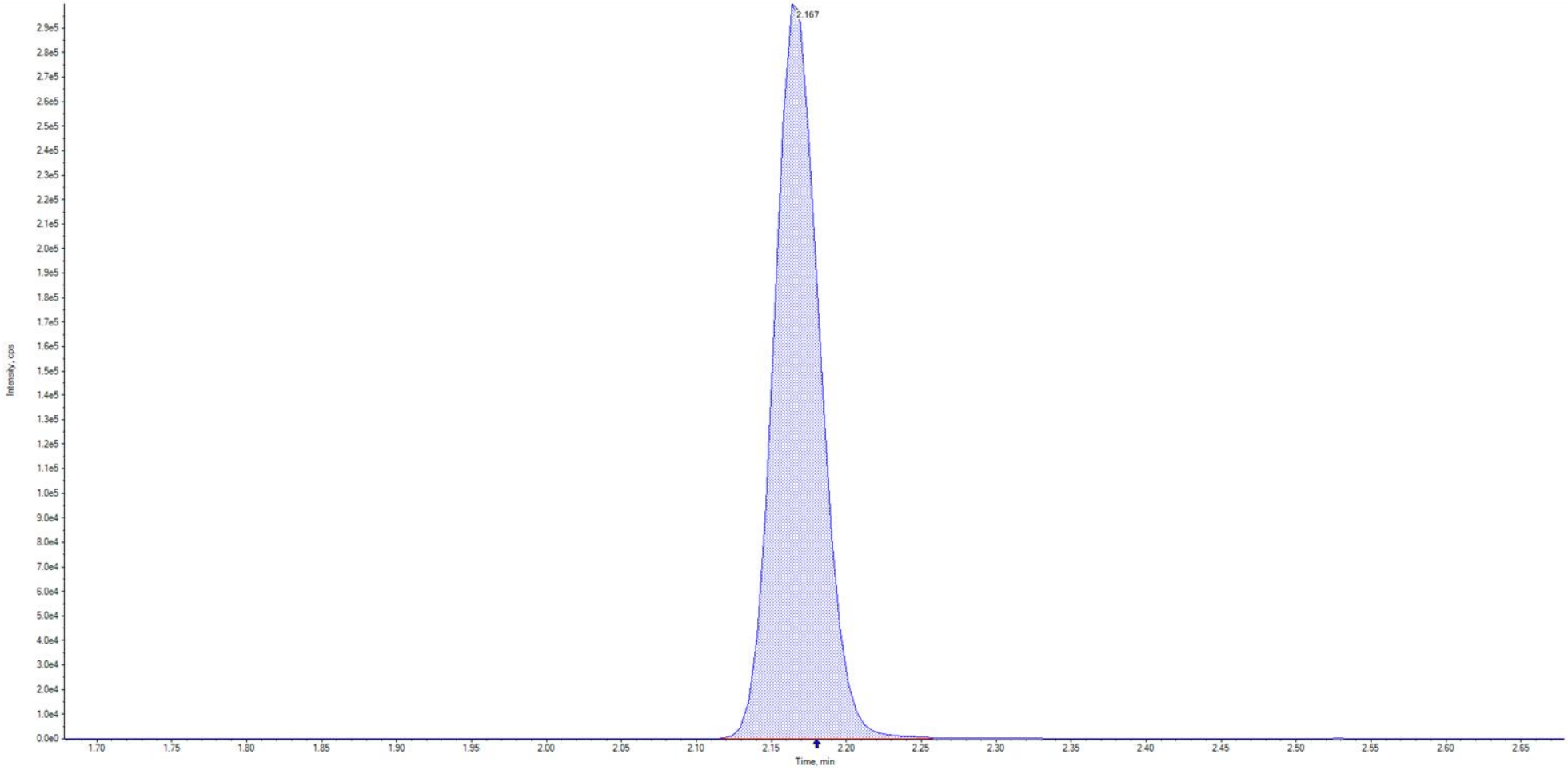
13C3-HFPO-DA
Sample: CA1633STD-10



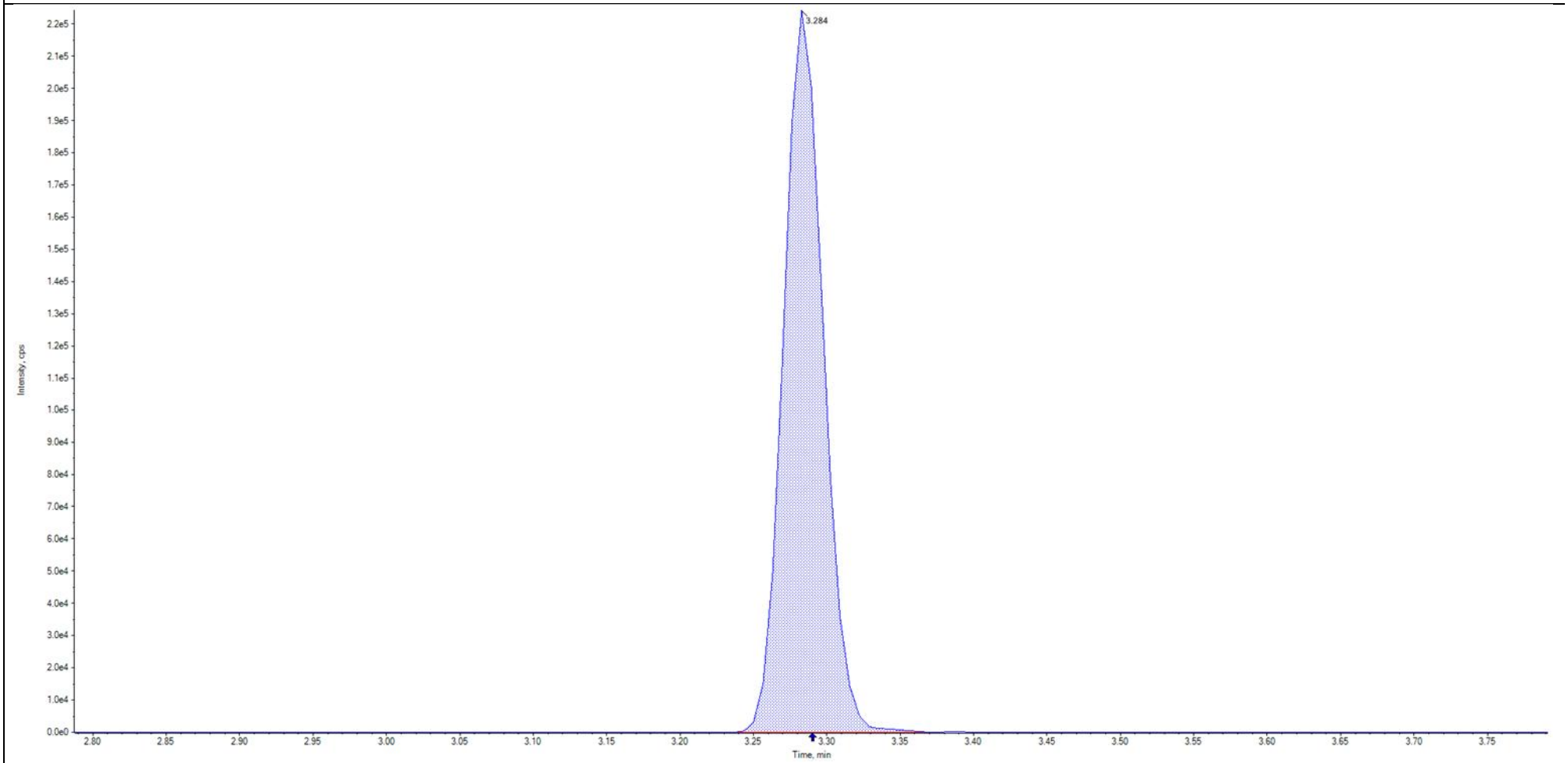
13C3-PFBA
Sample: CA1633STD-10



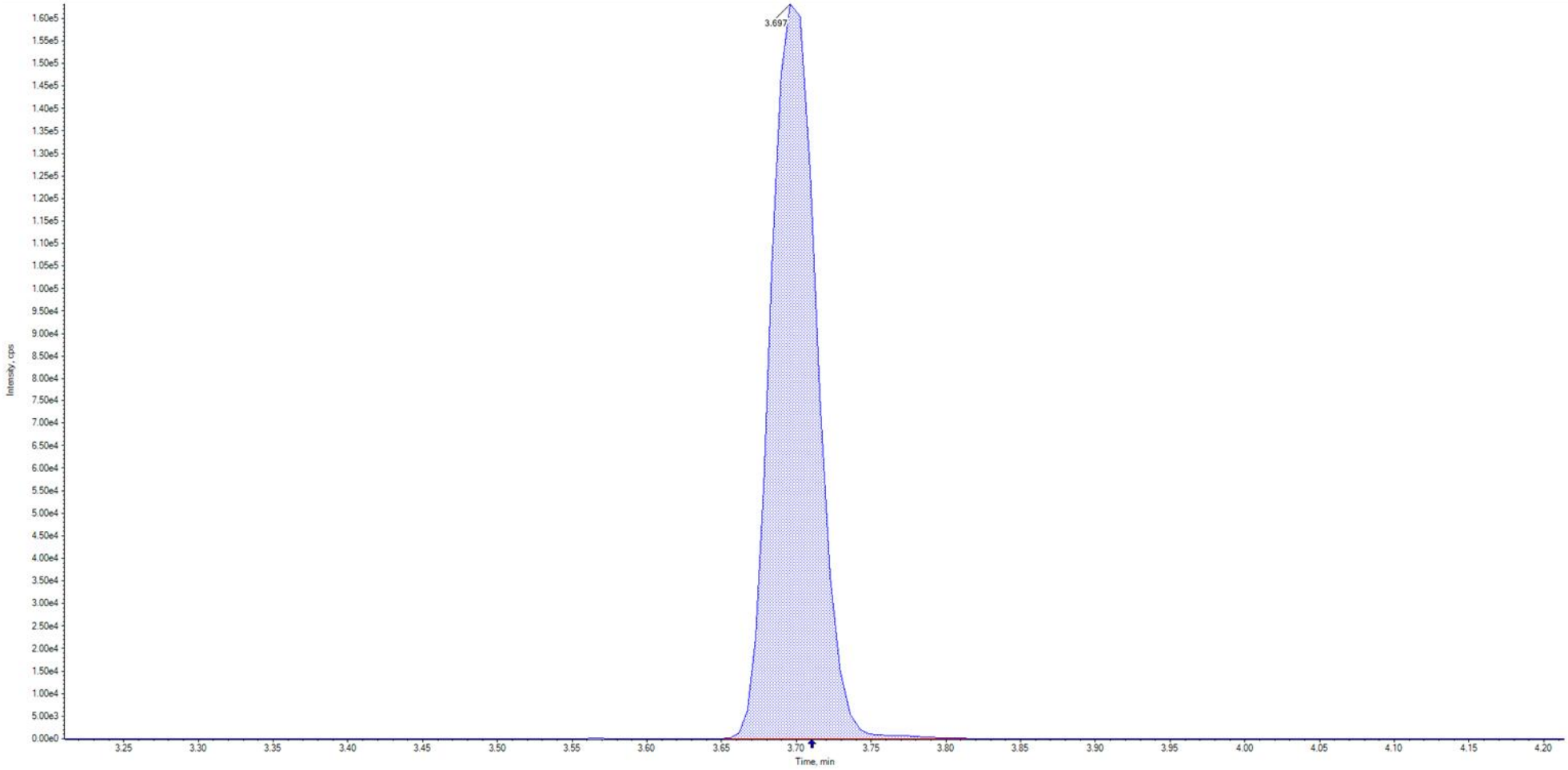
13C2-PFHxA
Sample: CA1633STD-10



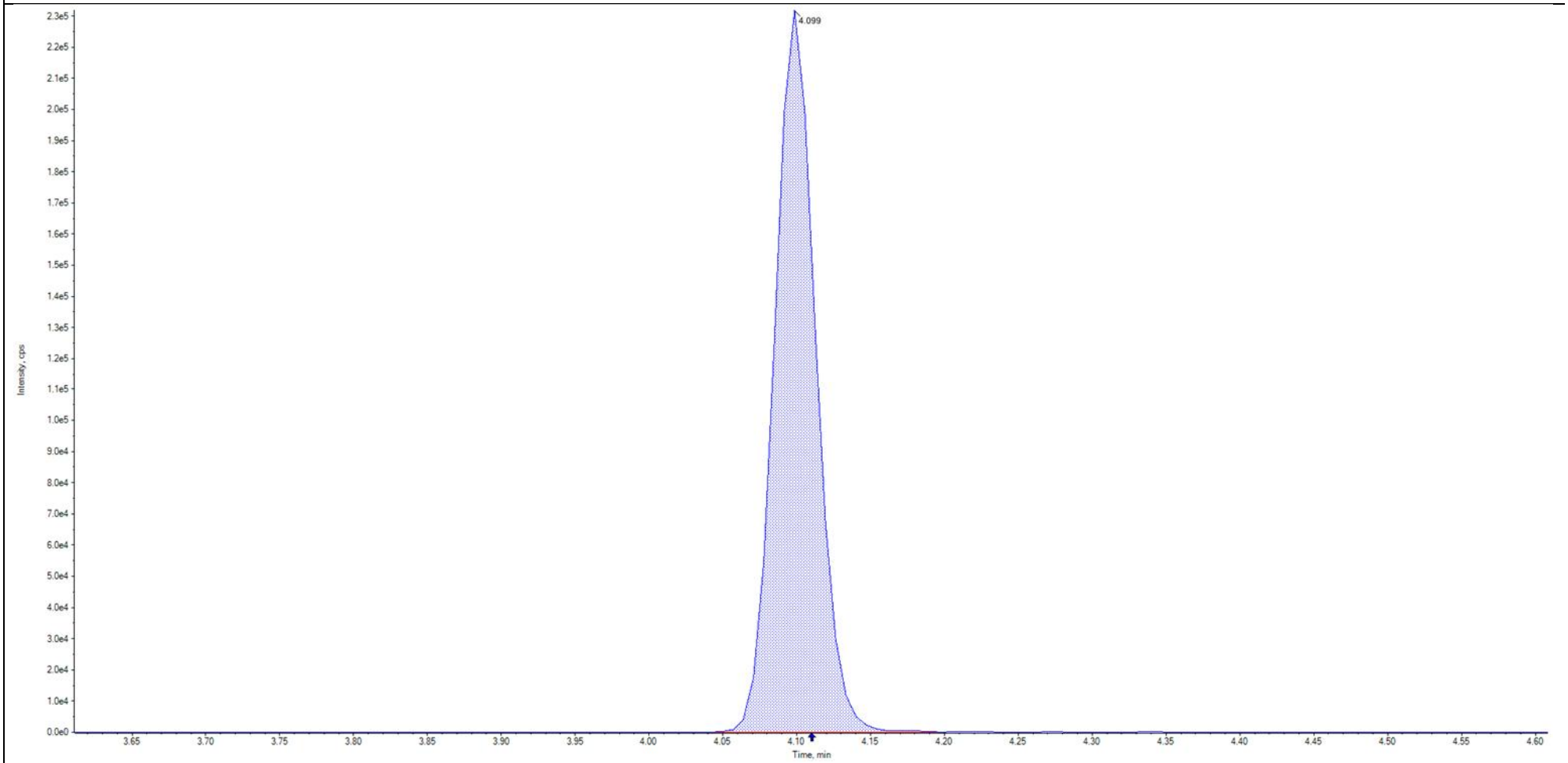
13C4-PFOA
Sample: CA1633STD-10



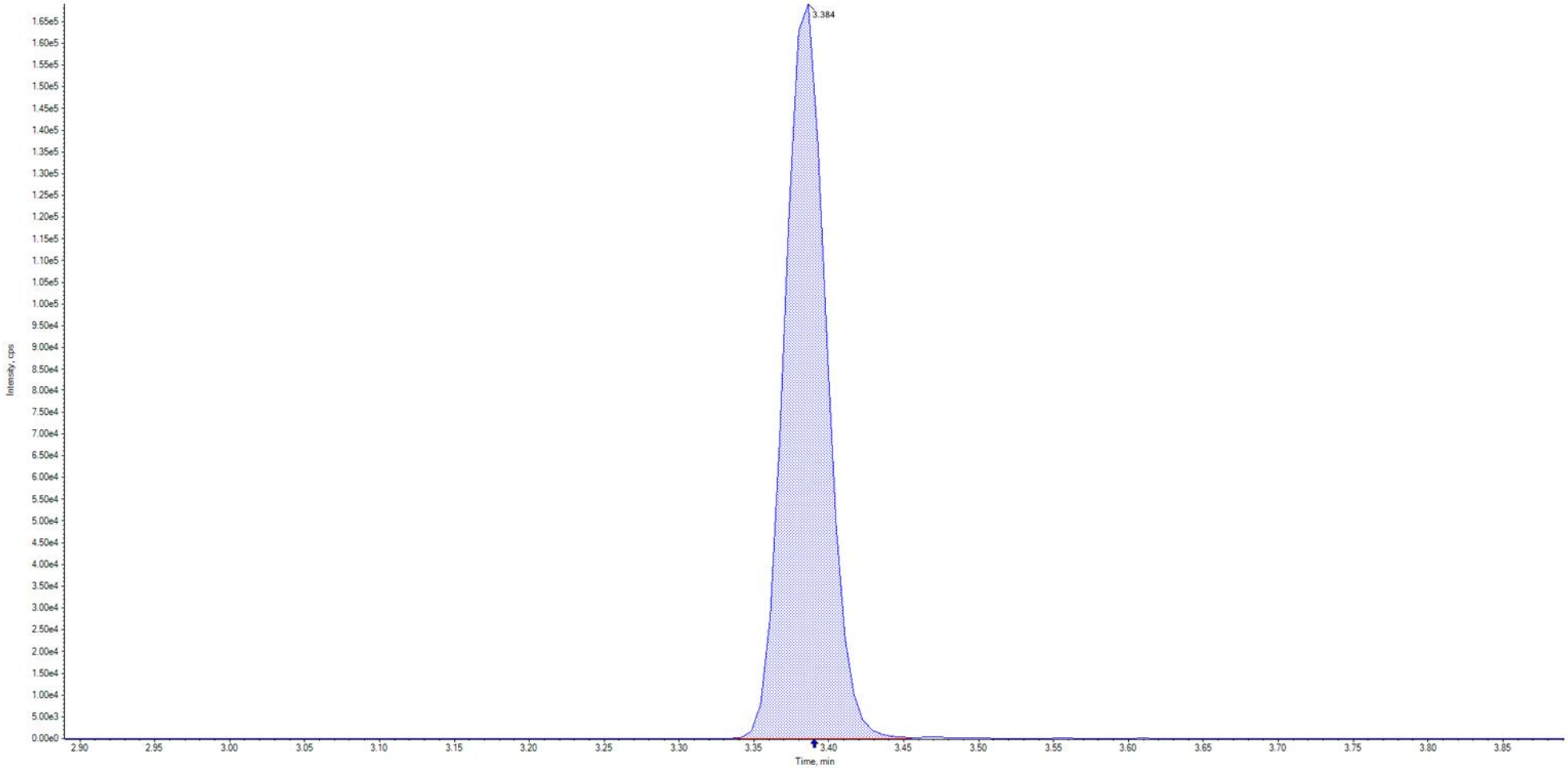
13C5-PFNA
Sample: CA1633STD-10



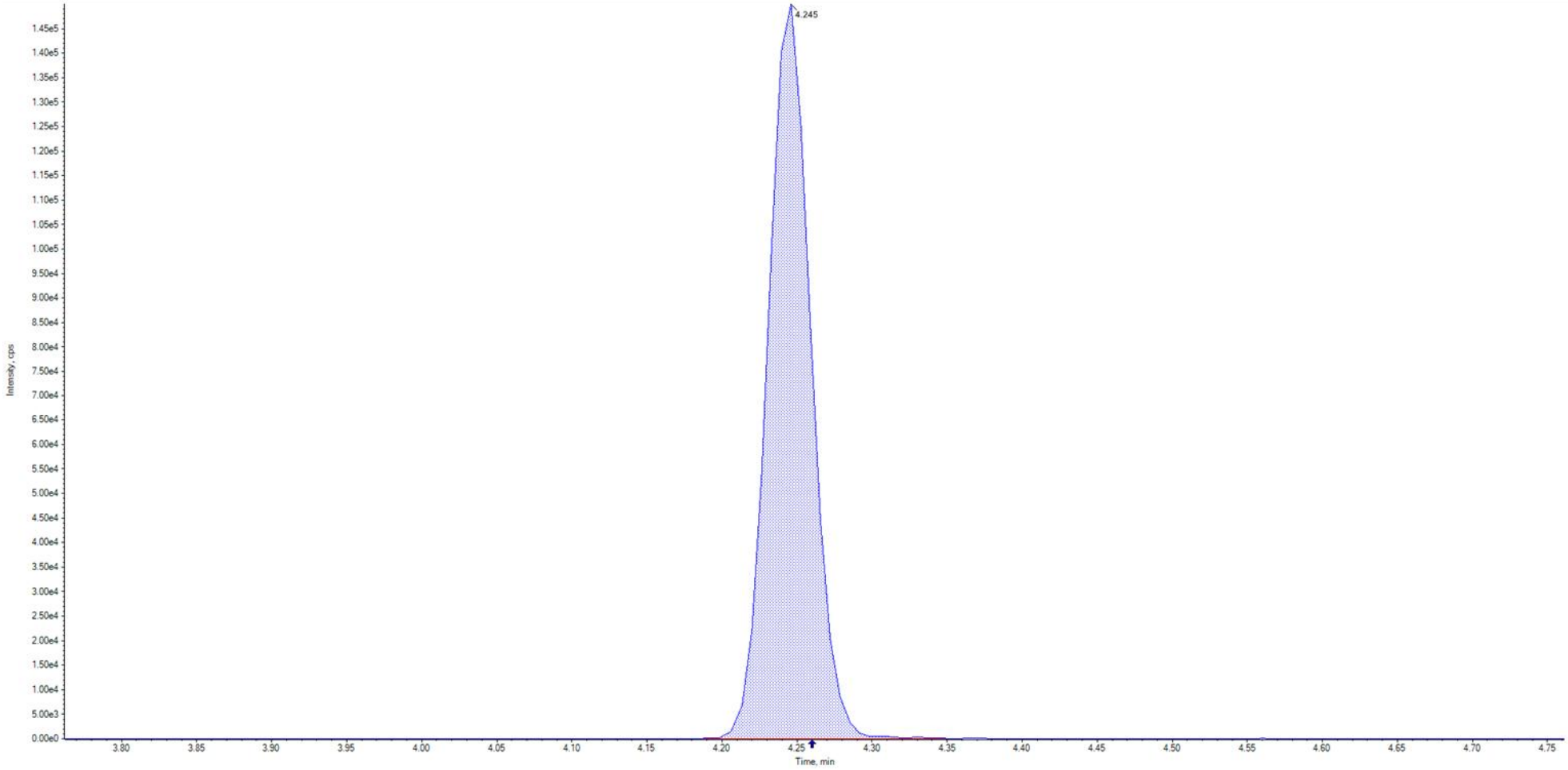
13C2-PFDA
Sample: CA1633STD-10



18O2-PFHxS
Sample: CA1633STD-10



13C4-PFOS
Sample: CA1633STD-10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241115\SCI05_241115_18.wiff2_4
Last Altered: 11/15/2024 3:27:20 PM
Generated: 11/15/2024 2:59:39 PM

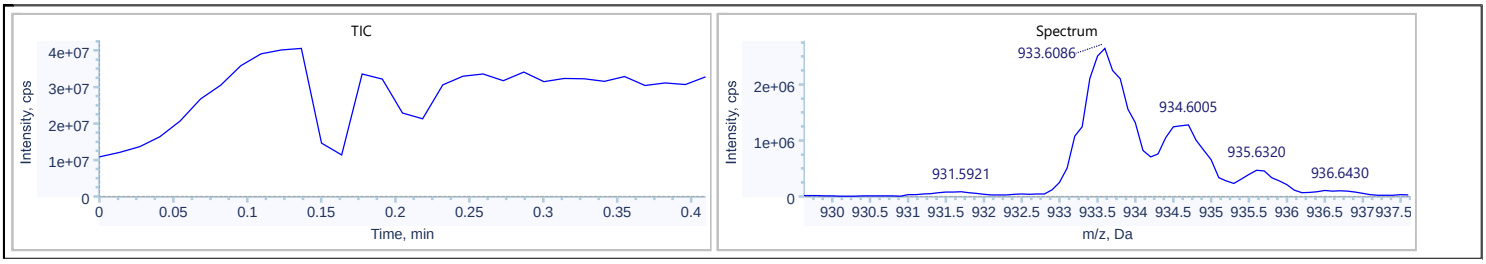
Instrument Verification Report

11/15/2024 12:30 PM

Instrument Name:	SCIEX Triple Quad 5500+	**Manufacturer:**	AB Sciex
Instrument Model:	TripleQuad5500+	**Target Instrument:**	TripleQuad5500+
Ion Source:	TurboIonSpray	**Optimization Set:**	5500+ MS Scan Verification
Serial Number:	EX232132111	**Doc Num Revision:**	TripleQuad5500+PickSetVerify Eng
User Name:	a2-lcms05		

1. Negative Prerequisites

Step	Result	Details
Achieve Stable Spray Neg	Pass	



Step	Result	Details
Optimize Gas 1 Neg	Pass	Found best GS1 (psi) value of 13

Item	Min	Max	Actual	Status
Intensity (cps)	5.00e4	1.00e8	2.31e6	Pass

Parameter	Ramp Start	Ramp End	Ramp Step	Initial Default	Current Value	Best Value
GS1 (psi)	0.0	40.0	1.0	20.0	13.0	13.0

Best Value Criteria: The value with the maximum intensity that meets the specifications.
Spectra: Average 3 scans per step. Scan speed: 10
Selected Value: 13.0

Saved value 933.636 - 13 to: GS1.MassSpectrometer

2. Negative Q1 Unit Resolution

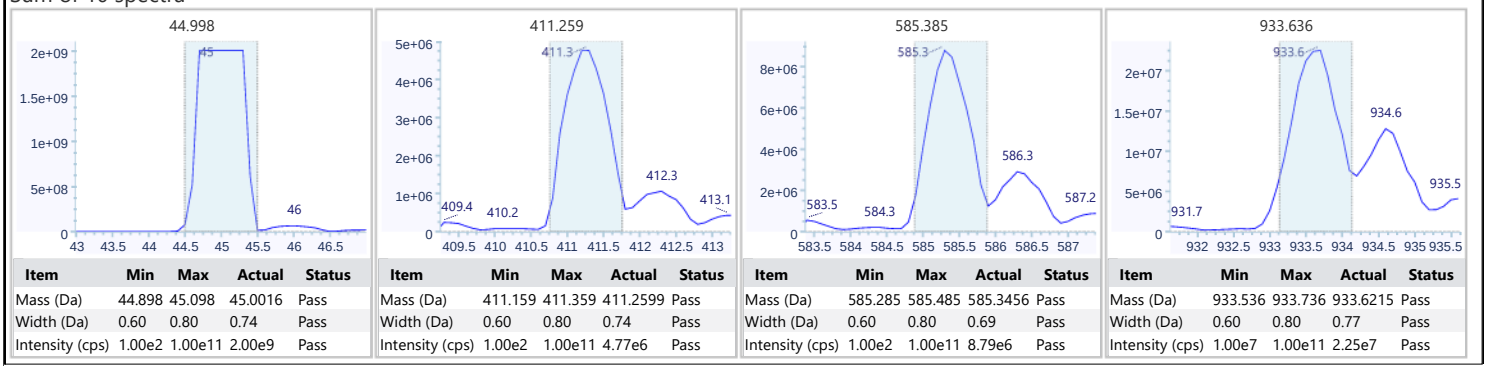
Step	Result	Details

Instrument Verification Report

Instrument Name:	SCIEX Triple Quad 5500+	**Manufacturer:**	AB Sciex
Instrument Model:	TripleQuad5500+	**Target Instrument:**	TripleQuad5500+
Ion Source:	TurboIonSpray	**Optimization Set:**	5500+ MS Scan Verification
Serial Number:	EX232132111	**Doc Num Revision:**	TripleQuad5500+PickSetVerify Eng
User Name:	a2-lcms05		

Verify Q1 Negative 10 Da/sec — **Pass** — Data file:D:\SCIEX OS Data\Optimization\Optimization-2024-11-15-12-30-08

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	44.898	45.098	45.0016	Pass
Width (Da)	0.60	0.80	0.74	Pass
Intensity (cps)	1.00e2	1.00e11	2.00e9	Pass

Item	Min	Max	Actual	Status
Mass (Da)	411.159	411.359	411.2599	Pass
Width (Da)	0.60	0.80	0.74	Pass
Intensity (cps)	1.00e2	1.00e11	4.77e6	Pass

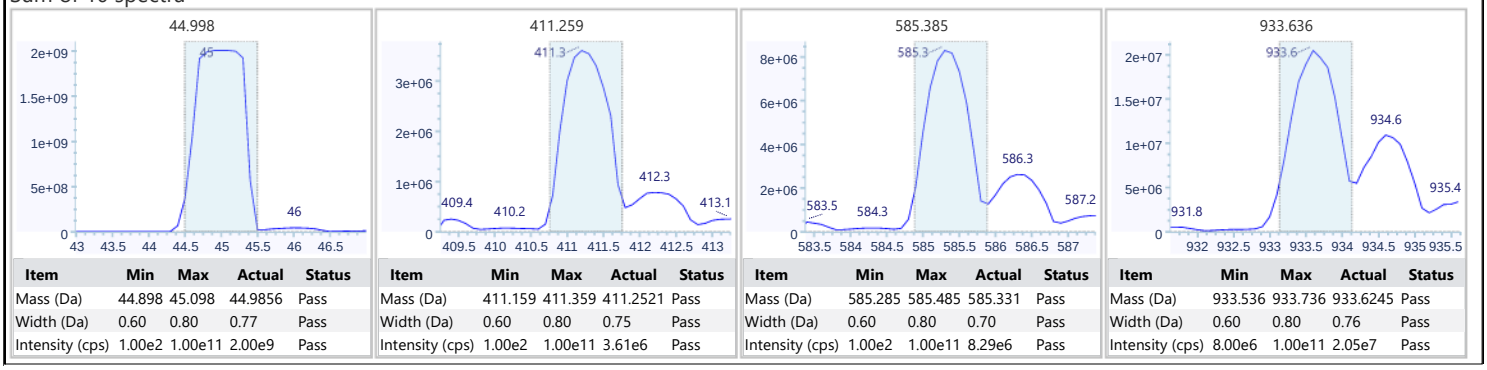
Item	Min	Max	Actual	Status
Mass (Da)	585.285	585.485	585.3456	Pass
Width (Da)	0.60	0.80	0.69	Pass
Intensity (cps)	1.00e2	1.00e11	8.79e6	Pass

Item	Min	Max	Actual	Status
Mass (Da)	933.536	933.736	933.6215	Pass
Width (Da)	0.60	0.80	0.77	Pass
Intensity (cps)	1.00e7	1.00e11	2.25e7	Pass

3. Negative Q3 Unit Resolution

Step	Result	Details
Verify Q3 Negative 10 Da/sec	**Pass**	Data file:D:\SCIEX OS Data\Optimization\Optimization-2024-11-15-12-30-08

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	44.898	45.098	44.9856	Pass
Width (Da)	0.60	0.80	0.77	Pass
Intensity (cps)	1.00e2	1.00e11	2.00e9	Pass

Item	Min	Max	Actual	Status
Mass (Da)	411.159	411.359	411.2521	Pass
Width (Da)	0.60	0.80	0.75	Pass
Intensity (cps)	1.00e2	1.00e11	3.61e6	Pass

Item	Min	Max	Actual	Status
Mass (Da)	585.285	585.485	585.331	Pass
Width (Da)	0.60	0.80	0.70	Pass
Intensity (cps)	1.00e2	1.00e11	8.29e6	Pass

Item	Min	Max	Actual	Status
Mass (Da)	933.536	933.736	933.6245	Pass
Width (Da)	0.60	0.80	0.76	Pass
Intensity (cps)	8.00e6	1.00e11	2.05e7	Pass

1633 PFAS Low Stock

Standard Description: **EPA 1633** **Calibration Low Stock**
Standard Laboratory ID Number: **EPA1633F_240904_CAL_10X**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS240723EE	EPA-1633STK	250.00	Wellington/EPA-1633STK/537G Fridge	200.0	2.0	1633 Blank	25000
Solution Prepared By:	PNB		Date Prepared:	September 4, 2024		Expiration Date:	March 4, 2025
Solvent Lot	ECRD240809 EPA-1633 Blank		Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	1

1633F Calibration

Standard Description: **EPA 1633F** **Calibration SET**
Standard Laboratory ID Number: **EPA1633F_241008_CAL_L9**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS241003BP/BO	EPA-1633STK	0.25	Wellington/EPA-1633STK/537G Fridge	500.0	2.0	1633 Blank	62.5
EPA1633_240129_TDCA	TDCA STD	50.00	537G	10.0	2.0	1633 Blank	250
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	

Standard Laboratory ID Number: **EPA1633F_241008_CAL_L8**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS241003BP/BO	EPA-1633STK	0.25	Wellington/EPA-1633STK/537G Fridge	400.0	2.0	1633 Blank	50.0
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	

Standard Laboratory ID Number: **EPA1633F_241008_CAL_L7**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS241003BP/BO	EPA-1633STK	0.25	Wellington/EPA-1633STK/537G Fridge	200.0	2.0	1633 Blank	25.0
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	

Standard Laboratory ID Number: **EPA1633F_241008_CAL_L6**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS241003BP/BO	EPA-1633STK	0.25	Wellington/EPA-1633STK/537G Fridge	100.0	2.0	1633 Blank	12.5
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	

Standard Laboratory ID Number: **EPA1633F_241008_CAL_L5**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	10	5.00	1633-BLANK	1.00
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	10	5.00	1633-BLANK	1.00
LCMS241003BP/BO	EPA-1633STK	0.25	Wellington/EPA-1633STK/537G Fridge	100.0	5.0	1633 Blank	5.0
EPA1633_240129_TDCA	TDCA STD	50.00	537G	25.0	5.0	1633 Blank	250
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	

Standard Laboratory ID Number: **EPA1633F_241008_CAL_L4**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS241003BP/BO	EPA-1633STK	0.25	Wellington/EPA-1633STK/537G Fridge	20.0	2.0	1633 Blank	2.5
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	1

Standard Laboratory ID Number: **EPA1633F_241008_CAL_L3**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	10	2.00	1633-BLANK	2.50
EPAF1633_240904_10X	EPA-1633STK 10X	0.025	Wellington/EPA-1633STK/537G Fridge	40.0	2.0	1633 Blank	0.5
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	1

Standard Laboratory ID Number: **EPA1633F_241008_CAL_L2**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	25	5.00	1633-BLANK	2.50
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	25	5.00	1633-BLANK	2.50
EPAF1633_240904_10X	EPA-1633STK 10X	0.025	Wellington/EPA-1633STK/537G Fridge	40.0	5.0	1633 Blank	0.2
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	1

Standard Laboratory ID Number: **EPA1633F_241008_CAL_L1**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	25	5.00	1633-BLANK	2.50
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	25	5.00	1633-BLANK	2.50
EPAF1633_240904_10X	EPA-1633STK 10X	0.025	Wellington/EPA-1633STK/537G Fridge	20.0	5.0	1633 Blank	0.1
EPA1633_240129_TDCA	TDCA STD	50.00	537G	25.0	5.0	1633 Blank	250
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	1

1633F Calibration

Standard Description: **EPA 1633F** **Calibration CCV**

Standard Laboratory ID Number: **EPA1633F_241018_CAL_L5**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003Y	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	25	5.00	1633-BLANK	2.50
LCMS240924AT	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	25	5.00	1633-BLANK	2.50
LCMS241003BN	EPA-1633STK	0.25	Wellington/EPA-1633STK/537G Fridge	100.0	5.0	1633 Blank	5.0
EPA1633_240129_TDCA	TDCA STD	50.00	537G	25.0	5.0	1633 Blank	250
Solution Prepared By:	JW		Date Prepared:	October 18, 2024		Expiration Date:	April 17, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	

EPA-1633F ICV

Standard Description: **EPA-1633F** **ICV Stock**

Standard Laboratory ID Number: **EPA1633F_ICV_241014**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS240924F	EPA-1633 STD	2	Absolute/65735/537G	20	4.00	EPA-1633-BLANK	10
LCMS241003S	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	20	4.00	1633-BLANK	2.50
LCNS240924AR	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	20	4.00	1633-BLANK	2.50
Solution Prepared By:	ANH		Date Prepared:	October 14, 2024		Expiration Date:	April 14, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2474358	
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005	
Instrument ID	: LCMS05	**Calibration Date**	: 12/19/24 06:27	
Lab File ID	: SCI05_241219_07	**Init. Calib. Date(s)**	: 11/15/24	11/15/24
Sample No	: WG2011094-1	**Init. Calib. Times**	: 13:00	14:12
Channel	:			

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	0.908	0.800	113.5	70-130
Perfluoropentanoic Acid (PFPeA)	0.429	0.400	107.3	70-130
Perfluorobutanesulfonic Acid (PFBS)	0.189	0.177	106	70-130
Perfluorohexanoic Acid (PFHxA)	0.188	0.200	94.1	70-130
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	0.797	0.750	106.2	70-130
Perfluoropentanesulfonic Acid (PFPeS)	0.185	0.188	98.5	70-130
Perfluoroheptanoic Acid (PFHpA)	0.242	0.200	121.1	70-130
Perfluorohexanesulfonic Acid (PFHxS)	0.171	0.183	93.9	70-130
Perfluorooctanoic Acid (PFOA)	0.225	0.200	112.5	70-130
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.946	0.760	124.4	70-130
Perfluoroheptanesulfonic Acid (PFHpS)	0.197	0.191	103.5	70-130
Perfluorononanoic Acid (PFNA)	0.228	0.200	113.9	70-130
Perfluorooctanesulfonic Acid (PFOS)	0.198	0.186	106.7	70-130
Perfluorodecanoic Acid (PFDA)	0.209	0.200	104.7	70-130
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	0.929	0.768	121	70-130
Perfluorononanesulfonic Acid (PFNS)	0.219	0.192	113.9	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.202	0.200	101.1	70-130
Perfluoroundecanoic Acid (PFUnA)	0.226	0.200	113.2	70-130
Perfluorodecanesulfonic Acid (PFDS)	0.212	0.193	109.7	70-130
Perfluorooctanesulfonamide (PFOSA)	0.209	0.200	104.3	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.207	0.200	103.4	70-130
Perfluorododecanoic Acid (PFDoA)	0.231	0.200	115.5	70-130
Perfluorotridecanoic Acid (PFTrDA)	0.218	0.200	108.8	70-130
Perfluorotetradecanoic Acid (PFTeDA)	0.218	0.200	109	70-130
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	0.799	0.800	99.8	70-130
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	1.188	0.756	157.2*	70-130
Perfluorododecanesulfonic Acid (PFDoS)	0.191	0.194	98.5	70-130
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	0.875	0.748	117.2	70-130
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	0.829	0.756	110	70-130
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	0.215	0.200	107.5	70-130
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	0.210	0.200	105	70-130
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	2.102	2.000	105.1	70-130
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	2.161	2.000	108.1	70-130
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	0.402	0.400	100.4	70-130
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	0.413	0.400	103.1	70-130
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	0.310	0.356	86.9	70-130
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	0.410	0.400	102.5	70-130
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	1.041	1.000	104.1	70-130
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	5.387	5.000	107.7	70-130
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	6.417	5.000	128.3	70-130
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	9.939	10.000	99.4	70-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	5.026	5.000	100.5	70-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	2.266	2.330	97.3	70-130

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2474358	
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005	
Instrument ID	: LCMS05	**Calibration Date**	: 12/19/24 06:27	
Lab File ID	: SCI05_241219_07	**Init. Calib. Date(s)**	: 11/15/24	11/15/24
Sample No	: WG2011094-1	**Init. Calib. Times**	: 13:00	14:12
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)	4.770	4.690	101.7	70-130
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	2.968	2.500	118.7	70-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	2.270	2.500	90.8	70-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	2.510	2.370	105.9	70-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	2.432	2.500	97.3	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	4.337	4.755	91.1	70-130
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	1.291	1.250	103.3	70-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	2.465	2.395	102.7	70-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	1.299	1.250	103.9	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	4.829	4.800	100.6	70-130
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	4.494	5.000	89.9	70-130
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	1.308	1.250	104.6	70-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	2.709	2.500	108.4	70-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	4.921	5.000	98.4	70-130
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	1.251	1.250	100.1	70-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	1.205	1.250	96.4	70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	10.192	10.000	101.9	70-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	2.442	2.500	97.7	70-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	2.244	2.500	89.7	70-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	22.984	25.000	91.9	70-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	20.484	25.000	81.9	70-130
Perfluoro-[1,2-13C2]octanoic Acid (13C2-PFOA)	2.419	2.500	96.8	70-130
Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA)	2.730	2.500	109.2	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA)	2.614	2.500	104.6	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS)	2.680	2.395	111.7	70-130
Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA)	1.327	1.250	106.1	70-130
Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA)	5.910	5.000	118.2	70-130
Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA)	1.237	1.250	99	70-130
Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS)	2.530	2.370	106.7	70-130
1H,1H,2H,2H-Perfluoro[1,2-13C2D4]Hexanesulfonic Acid (13C2D4-4:2FTS)	4.722	5.000	94.4	70-130

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2474358	
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005	
Instrument ID	: LCMS05	**Calibration Date**	: 12/19/24 15:34	
Lab File ID	: SCI05_241219_61	**Init. Calib. Date(s)**	: 11/15/24	11/15/24
Sample No	: WG2011094-11	**Init. Calib. Times**	: 13:00	14:12
Channel	:			

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	22.782	20.000	113.9	70-130
Perfluoropentanoic Acid (PFPeA)	10.591	10.000	105.9	70-130
Perfluorobutanesulfonic Acid (PFBS)	4.135	4.435	93.1	70-130
Perfluorohexanoic Acid (PFHxA)	5.849	5.000	117	70-130
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	19.427	18.750	103.9	70-130
Perfluoropentanesulfonic Acid (PFPeS)	4.994	4.705	106.3	70-130
Perfluoroheptanoic Acid (PFHpA)	5.551	5.000	111	70-130
Perfluorohexanesulfonic Acid (PFHxS)	4.535	4.570	99.5	70-130
Perfluorooctanoic Acid (PFOA)	5.126	5.000	102.5	70-130
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	23.334	19.000	122.8	70-130
Perfluoroheptanesulfonic Acid (PFHpS)	4.872	4.765	102.4	70-130
Perfluorononanoic Acid (PFNA)	5.294	5.000	105.9	70-130
Perfluorooctanesulfonic Acid (PFOS)	4.671	4.640	100.7	70-130
Perfluorodecanoic Acid (PFDA)	5.506	5.000	110.1	70-130
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	21.922	19.200	114.2	70-130
Perfluorononanesulfonic Acid (PFNS)	5.441	4.810	113.4	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	5.601	5.000	112	70-130
Perfluoroundecanoic Acid (PFUnA)	5.273	5.000	105.5	70-130
Perfluorodecanesulfonic Acid (PFDS)	5.397	4.825	112	70-130
Perfluorooctanesulfonamide (PFOSA)	5.324	5.000	106.5	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	5.166	5.000	103.3	70-130
Perfluorododecanoic Acid (PFDoA)	5.550	5.000	111	70-130
Perfluorotridecanoic Acid (PFTrDA)	5.698	5.000	114	70-130
Perfluorotetradecanoic Acid (PFTeDA)	5.391	5.000	107.8	70-130
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	20.644	20.000	103.2	70-130
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	29.110	18.900	154*	70-130
Perfluorododecanesulfonic Acid (PFDoS)	5.699	4.850	117.8	70-130
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	21.740	18.700	116.3	70-130
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	22.214	18.900	117.5	70-130
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	5.126	5.000	102.5	70-130
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	5.394	5.000	107.9	70-130
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	52.594	50.000	105.2	70-130
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	52.891	50.000	105.8	70-130
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	10.183	10.000	101.8	70-130
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	10.436	10.000	104.4	70-130
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	11.038	8.900	123.7	70-130
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	13.972	10.000	139.7*	70-130
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	29.529	25.000	118.1	70-130
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	165.814	125.000	132.7*	70-130
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	136.391	125.000	109.1	70-130
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	9.919	10.000	99.2	70-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	4.916	5.000	98.3	70-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	2.365	2.330	101.5	70-130

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2474358		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: LCMS05	**Calibration Date**	: 12/19/24 15:34		
Lab File ID	: SCI05_241219_61	**Init. Calib. Date(s)**	: 11/15/24	11/15/24	
Sample No	: WG2011094-11	**Init. Calib. Times**	: 13:00	14:12	
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)	4.415	9.380	94.1	70-130
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	2.161	2.500	86.4	70-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	2.268	2.500	90.7	70-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	2.266	2.370	95.6	70-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	2.101	2.500	84	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	3.916	9.510	82.3	70-130
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	1.270	1.250	101.6	70-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	2.603	2.395	108.5	70-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	1.205	1.250	96.4	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	4.313	9.600	89.8	70-130
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	4.808	5.000	96.2	70-130
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	1.295	1.250	103.6	70-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	2.889	2.500	115.6	70-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	5.437	5.000	108.7	70-130
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	1.279	1.250	102.3	70-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	1.217	1.250	97.3	70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	10.502	10.000	105	70-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	2.897	2.500	115.9	70-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	2.899	2.500	116	70-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	26.437	25.000	105.7	70-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	26.416	25.000	105.7	70-130
Perfluoro-[1,2-13C2]octanoic Acid (13C2-PFOA)	2.408	2.500	96.3	70-130
Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA)	2.660	2.500	106.4	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA)	2.882	2.500	115.3	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS)	2.308	2.395	96.2	70-130
Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA)	1.291	1.250	103.2	70-130
Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA)	5.432	5.000	108.6	70-130
Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA)	1.196	1.250	95.7	70-130
Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS)	2.486	2.370	104.9	70-130
1H,1H,2H,2H-Perfluoro[1,2-13C2D4]Hexanesulfonic Acid (13C2D4-4:2FTS)	4.589	5.000	91.8	70-130

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2474358	
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005	
Instrument ID	: LCMS05	**Calibration Date**	: 12/19/24 19:02	
Lab File ID	: SCI05_241219_76	**Init. Calib. Date(s)**	: 11/15/24	11/15/24
Sample No	: WG2011094-13	**Init. Calib. Times**	: 13:00	14:12
Channel	:			

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	21.976	20.000	109.9	70-130
Perfluoropentanoic Acid (PFPeA)	10.706	10.000	107.1	70-130
Perfluorobutanesulfonic Acid (PFBS)	4.852	4.435	109.3	70-130
Perfluorohexanoic Acid (PFHxA)	5.331	5.000	106.6	70-130
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	20.117	18.750	107.6	70-130
Perfluoropentanesulfonic Acid (PFPeS)	4.794	4.705	102	70-130
Perfluoroheptanoic Acid (PFHpA)	5.086	5.000	101.7	70-130
Perfluorohexanesulfonic Acid (PFHxS)	4.423	4.570	97	70-130
Perfluorooctanoic Acid (PFOA)	5.142	5.000	102.8	70-130
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	22.506	19.000	118.5	70-130
Perfluoroheptanesulfonic Acid (PFHpS)	5.469	4.765	114.9	70-130
Perfluorononanoic Acid (PFNA)	5.097	5.000	101.9	70-130
Perfluorooctanesulfonic Acid (PFOS)	5.020	4.640	108.2	70-130
Perfluorodecanoic Acid (PFDA)	5.426	5.000	108.5	70-130
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	21.283	19.200	110.9	70-130
Perfluorononanesulfonic Acid (PFNS)	5.724	4.810	119.2	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	5.981	5.000	119.6	70-130
Perfluoroundecanoic Acid (PFUnA)	5.425	5.000	108.5	70-130
Perfluorodecanesulfonic Acid (PFDS)	5.804	4.825	120.4	70-130
Perfluorooctanesulfonamide (PFOSA)	5.114	5.000	102.3	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	5.397	5.000	108	70-130
Perfluorododecanoic Acid (PFDoA)	5.980	5.000	119.6	70-130
Perfluorotridecanoic Acid (PFTrDA)	5.603	5.000	112.1	70-130
Perfluorotetradecanoic Acid (PFTeDA)	5.481	5.000	109.6	70-130
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	22.982	20.000	114.9	70-130
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	28.652	18.900	151.6*	70-130
Perfluorododecanesulfonic Acid (PFDoS)	5.951	4.850	123	70-130
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	22.505	18.700	120.4	70-130
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	23.232	18.900	122.9	70-130
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	5.254	5.000	105.1	70-130
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	5.116	5.000	102.3	70-130
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	51.310	50.000	102.6	70-130
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	52.719	50.000	105.4	70-130
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	10.127	10.000	101.3	70-130
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	10.235	10.000	102.4	70-130
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	9.690	8.900	108.6	70-130
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	13.005	10.000	130.1*	70-130
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	30.139	25.000	120.6	70-130
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	146.036	125.000	116.8	70-130
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	138.471	125.000	110.8	70-130
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	9.930	10.000	99.3	70-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	5.034	5.000	100.7	70-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	2.427	2.330	104.2	70-130

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2474358	
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005	
Instrument ID	: LCMS05	**Calibration Date**	: 12/19/24 19:02	
Lab File ID	: SCI05_241219_76	**Init. Calib. Date(s)**	: 11/15/24	11/15/24
Sample No	: WG2011094-13	**Init. Calib. Times**	: 13:00	14:12
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)	4.438	9.380	94.6	70-130
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	2.364	2.500	94.5	70-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	2.285	2.500	91.4	70-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	2.432	2.370	102.6	70-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	2.038	2.500	81.5	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	4.158	9.510	87.4	70-130
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	1.241	1.250	99.3	70-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	2.527	2.395	105.3	70-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	1.259	1.250	100.7	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	4.576	9.600	95.3	70-130
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	4.916	5.000	98.3	70-130
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	1.194	1.250	95.5	70-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	2.956	2.500	118.2	70-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	5.191	5.000	103.8	70-130
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	1.195	1.250	95.6	70-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	1.058	1.250	84.6	70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	9.730	10.000	97.3	70-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	2.810	2.500	112.4	70-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	3.096	2.500	123.8	70-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	25.604	25.000	102.4	70-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	25.996	25.000	104	70-130
Perfluoro-[1,2-13C2]octanoic Acid (13C2-PFOA)	2.610	2.500	104.4	70-130
Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA)	2.636	2.500	105.4	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA)	2.876	2.500	115.1	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS)	2.261	2.395	94.2	70-130
Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA)	1.235	1.250	98.8	70-130
Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA)	5.444	5.000	108.9	70-130
Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA)	1.213	1.250	97.1	70-130
Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS)	2.417	2.370	102	70-130
1H,1H,2H,2H-Perfluoro[1,2-13C2D4]Hexanesulfonic Acid (13C2D4-4:2FTS)	4.666	5.000	93.3	70-130

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2474358	
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005	
Instrument ID	: LCMS05	**Calibration Date**	: 12/19/24 23:22	
Lab File ID	: SCI05_241219_90	**Init. Calib. Date(s)**	: 11/15/24	11/15/24
Sample No	: WG2011094-15	**Init. Calib. Times**	: 13:00	14:12
Channel	:			

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	21.800	20.000	109	70-130
Perfluoropentanoic Acid (PFPeA)	10.604	10.000	106	70-130
Perfluorobutanesulfonic Acid (PFBS)	4.320	4.435	97.3	70-130
Perfluorohexanoic Acid (PFHxA)	5.407	5.000	108.1	70-130
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	19.373	18.750	103.6	70-130
Perfluoropentanesulfonic Acid (PFPeS)	4.656	4.705	99.1	70-130
Perfluoroheptanoic Acid (PFHpA)	5.302	5.000	106.1	70-130
Perfluorohexanesulfonic Acid (PFHxS)	4.438	4.570	97.3	70-130
Perfluorooctanoic Acid (PFOA)	4.898	5.000	98	70-130
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	22.564	19.000	118.8	70-130
Perfluoroheptanesulfonic Acid (PFHpS)	5.207	4.765	109.4	70-130
Perfluorononanoic Acid (PFNA)	5.118	5.000	102.4	70-130
Perfluorooctanesulfonic Acid (PFOS)	4.836	4.640	104.2	70-130
Perfluorodecanoic Acid (PFDA)	5.126	5.000	102.5	70-130
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	22.231	19.200	115.8	70-130
Perfluorononanesulfonic Acid (PFNS)	5.598	4.810	116.6	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	5.732	5.000	114.6	70-130
Perfluoroundecanoic Acid (PFUnA)	5.119	5.000	102.4	70-130
Perfluorodecanesulfonic Acid (PFDS)	5.663	4.825	117.5	70-130
Perfluorooctanesulfonamide (PFOSA)	5.188	5.000	103.8	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	5.396	5.000	107.9	70-130
Perfluorododecanoic Acid (PFDoA)	5.565	5.000	111.3	70-130
Perfluorotridecanoic Acid (PFTrDA)	5.144	5.000	102.9	70-130
Perfluorotetradecanoic Acid (PFTeDA)	5.456	5.000	109.1	70-130
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	19.398	20.000	97	70-130
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	28.547	18.900	151*	70-130
Perfluorododecanesulfonic Acid (PFDoS)	5.817	4.850	120.2	70-130
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	22.479	18.700	120.2	70-130
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	22.546	18.900	119.3	70-130
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	5.073	5.000	101.5	70-130
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	5.259	5.000	105.2	70-130
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	52.931	50.000	105.9	70-130
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	53.830	50.000	107.7	70-130
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	9.889	10.000	98.9	70-130
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	10.459	10.000	104.6	70-130
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	10.667	8.900	119.6	70-130
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	14.101	10.000	141*	70-130
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	27.543	25.000	110.2	70-130
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	163.140	125.000	130.5*	70-130
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	134.567	125.000	107.7	70-130
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	10.013	10.000	100.1	70-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	4.981	5.000	99.6	70-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	2.552	2.330	109.5	70-130

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2474358		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: LCMS05	**Calibration Date**	: 12/19/24 23:22		
Lab File ID	: SCI05_241219_90	**Init. Calib. Date(s)**	: 11/15/24	11/15/24	
Sample No	: WG2011094-15	**Init. Calib. Times**	: 13:00	14:12	
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)	4.390	9.380	93.6	70-130
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	2.203	2.500	88.1	70-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	2.313	2.500	92.5	70-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	2.392	2.370	100.9	70-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	2.275	2.500	91	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	4.035	9.510	84.8	70-130
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	1.284	1.250	102.7	70-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	2.464	2.395	102.7	70-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	1.317	1.250	105.4	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	4.206	9.600	87.6	70-130
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	4.758	5.000	95.2	70-130
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	1.325	1.250	106	70-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	2.832	2.500	113.3	70-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	5.130	5.000	102.6	70-130
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	1.262	1.250	100.9	70-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	1.095	1.250	87.6	70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	11.470	10.000	114.7	70-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	2.838	2.500	113.5	70-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	2.879	2.500	115.2	70-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	23.972	25.000	95.9	70-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	24.034	25.000	96.1	70-130
Perfluoro-[1,2-13C2]octanoic Acid (13C2-PFOA)	2.774	2.500	111	70-130
Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA)	2.658	2.500	106.3	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA)	2.735	2.500	109.4	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS)	2.377	2.395	99	70-130
Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA)	1.218	1.250	97.5	70-130
Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA)	5.467	5.000	109.3	70-130
Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA)	1.211	1.250	96.9	70-130
Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS)	2.551	2.370	107.7	70-130
1H,1H,2H,2H-Perfluoro[1,2-13C2D4]Hexanesulfonic Acid (13C2D4-4:2FTS)	4.393	5.000	87.9	70-130

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2474358	
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005	
Instrument ID	: LCMS05	**Calibration Date**	: 12/20/24 01:44	
Lab File ID	: SCI05_241219_97	**Init. Calib. Date(s)**	: 11/15/24	11/15/24
Sample No	: WG2011094-17	**Init. Calib. Times**	: 13:00	14:12
Channel	:			

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	22.892	20.000	114.5	70-130
Perfluoropentanoic Acid (PFPeA)	10.917	10.000	109.2	70-130
Perfluorobutanesulfonic Acid (PFBS)	4.485	4.435	101	70-130
Perfluorohexanoic Acid (PFHxA)	5.074	5.000	101.5	70-130
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	21.319	18.750	114	70-130
Perfluoropentanesulfonic Acid (PFPeS)	4.851	4.705	103.2	70-130
Perfluoroheptanoic Acid (PFHpA)	5.368	5.000	107.4	70-130
Perfluorohexanesulfonic Acid (PFHxS)	4.458	4.570	97.8	70-130
Perfluorooctanoic Acid (PFOA)	4.944	5.000	98.9	70-130
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	23.004	19.000	121.1	70-130
Perfluoroheptanesulfonic Acid (PFHpS)	5.158	4.765	108.4	70-130
Perfluorononanoic Acid (PFNA)	5.321	5.000	106.4	70-130
Perfluorooctanesulfonic Acid (PFOS)	4.640	4.640	100	70-130
Perfluorodecanoic Acid (PFDA)	5.634	5.000	112.7	70-130
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	20.851	19.200	108.6	70-130
Perfluorononanesulfonic Acid (PFNS)	5.640	4.810	117.5	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	5.550	5.000	111	70-130
Perfluoroundecanoic Acid (PFUnA)	5.532	5.000	110.7	70-130
Perfluorodecanesulfonic Acid (PFDS)	5.493	4.825	114	70-130
Perfluorooctanesulfonamide (PFOSA)	5.155	5.000	103.1	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	5.486	5.000	109.7	70-130
Perfluorododecanoic Acid (PFDoA)	5.809	5.000	116.2	70-130
Perfluorotridecanoic Acid (PFTrDA)	5.546	5.000	110.9	70-130
Perfluorotetradecanoic Acid (PFTeDA)	5.446	5.000	108.9	70-130
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	21.298	20.000	106.5	70-130
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	30.107	18.900	159.3*	70-130
Perfluorododecanesulfonic Acid (PFDoS)	5.667	4.850	117.1	70-130
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	22.228	18.700	118.9	70-130
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	21.768	18.900	115.2	70-130
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	5.095	5.000	101.9	70-130
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	5.529	5.000	110.6	70-130
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	53.934	50.000	107.9	70-130
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	52.961	50.000	105.9	70-130
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	10.185	10.000	101.9	70-130
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	11.226	10.000	112.3	70-130
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	9.231	8.900	103.5	70-130
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	12.717	10.000	127.2	70-130
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	30.047	25.000	120.2	70-130
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	141.986	125.000	113.6	70-130
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	136.577	125.000	109.3	70-130
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	9.775	10.000	97.8	70-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	4.851	5.000	97	70-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	2.354	2.330	101	70-130

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2474358	
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005	
Instrument ID	: LCMS05	**Calibration Date**	: 12/20/24 01:44	
Lab File ID	: SCI05_241219_97	**Init. Calib. Date(s)**	: 11/15/24	11/15/24
Sample No	: WG2011094-17	**Init. Calib. Times**	: 13:00	14:12
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)	4.215	9.380	89.9	70-130
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	2.471	2.500	98.8	70-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	2.360	2.500	94.4	70-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	2.305	2.370	97.2	70-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	2.048	2.500	81.9	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	3.933	9.510	82.6	70-130
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	1.299	1.250	103.9	70-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	2.580	2.395	107.5	70-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	1.209	1.250	96.7	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	4.420	9.600	92.1	70-130
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	4.901	5.000	98	70-130
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	1.221	1.250	97.7	70-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	2.866	2.500	114.6	70-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	5.228	5.000	104.6	70-130
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	1.206	1.250	96.5	70-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	1.061	1.250	84.9	70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	10.106	10.000	101.1	70-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	2.819	2.500	112.8	70-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	2.855	2.500	114.2	70-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	24.262	25.000	97.1	70-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	25.457	25.000	101.8	70-130
Perfluoro-[1,2-13C2]octanoic Acid (13C2-PFOA)	2.524	2.500	100.9	70-130
Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA)	2.620	2.500	104.8	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA)	2.900	2.500	116	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS)	2.273	2.395	94.7	70-130
Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA)	1.227	1.250	98.2	70-130
Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA)	5.400	5.000	108	70-130
Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA)	1.168	1.250	93.5	70-130
Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS)	2.493	2.370	105.2	70-130
1H,1H,2H,2H-Perfluoro[1,2-13C2D4]Hexanesulfonic Acid (13C2D4-4:2FTS)	4.461	5.000	89.2	70-130

* Value outside of QC limits.

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

Method: EPA1633F.qmethod
Calibration: 241115_EPA1633_ICAL

ID: WG2011094-1,1633LOW
Name: SCI05_241219_07.wiff2
Date & Time: 2024-12-19T06:27:03
Description: WG2011094,WG2000000,ICAL21712,1633LOW
Instrument: SCIEX Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.63	213.0 / 169.0	200101		0.908	N/A	N/A	N/A	113.5
2	PFPeA	2706-90-3	1.34	263.0 / 219.0	89208		0.429	0.008	N/A	N/A	107.3
3	PFPeA_2	2706-90-3	1.34	263.0 / 68.9	731	M2	0.474	0.008	N/A	N/A	118.4
4	PFHxA	307-24-4	2.19	313.0 / 269.0	70243		0.188	0.068	0.089	Pass	94.1
5	PFHxA_2	307-24-4	2.18	313.0 / 119.0	4741		0.172	0.068	0.089	Pass	86.0
6	PFHpA	375-85-9	2.84	363.1 / 319.0	73785		0.242	0.276	0.332	Pass	121.1
7	PFHpA_2	375-85-9	2.84	363.1 / 169.0	20394		0.209	0.276	0.332	Pass	104.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.28	413.1 / 369.1	73275	M5	0.225	0.345	0.369	Pass	112.5
9	PFOA_2	335-67-1	3.28	413.1 / 169.0	25308	M5	0.211	0.345	0.369	Pass	105.3
10	PFNA	375-95-1	3.67	462.8 / 418.9	68006	M5	0.228	0.319	0.303	Pass	113.9
11	PFNA_2	375-95-1	3.67	462.8 / 219.0	21670	M5	0.243	0.319	0.303	Pass	121.7
12	PFDA	335-76-2	4.05	513.1 / 469.1	64320		0.209	0.151	0.162	Pass	104.7
13	PFDA_2	335-76-2	4.05	513.1 / 219.0	9705		0.191	0.151	0.162	Pass	95.7
14	PFUnA	2058-94-8	4.42	563.1 / 519.1	56930		0.226	0.181	0.199	Pass	113.2
15	PFUnA_2	2058-94-8	4.42	563.1 / 269.0	10296		0.211	0.181	0.199	Pass	105.5
16	PFDoA	307-55-1	4.80	613.1 / 569.1	57341		0.231	0.172	0.180	Pass	115.5
17	PFDoA_2	307-55-1	4.80	613.1 / 319.0	9844		0.214	0.172	0.180	Pass	107.2
18	PFTrDA	72629-94-8	5.16	663.1 / 619.1	53558		0.218	0.159	0.160	Pass	108.8
19	PFTrDA_2	72629-94-8	5.16	663.1 / 169.0	8497		0.214	0.159	0.160	Pass	107.2
20	PFTeDA	376-06-7	5.52	713.1 / 669.1	54751		0.218	0.153	0.149	Pass	109.0
21	PFTeDA_2	376-06-7	5.52	713.1 / 169.0	8352		0.228	0.153	0.149	Pass	113.9
22	PFBS	375-73-5	2.17	299.1 / 80.1	35796		0.189	0.409	0.388	Pass	106.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.17	299.1 / 99.1	14637		0.194	0.409	0.388	Pass	109.1
24	PFPeS	2706-91-4	2.89	349.1 / 80.1	38327		0.185	0.272	0.297	Pass	98.5
25	PFPeS_2	2706-91-4	2.89	349.1 / 99.1	10418		0.173	0.272	0.297	Pass	92.3
26	PFHxS	355-46-4	3.37	399.1 / 80.1	31869	M5	0.171	0.331	0.296	Pass	93.9
27	PFHxS_2	355-46-4	3.36	399.1 / 99.1	10536		0.184	0.331	0.296	Pass	100.9
28	PFHpS	375-92-8	3.79	449.1 / 80.1	34774		0.197	0.280	0.258	Pass	103.5
29	PFHpS_2	375-92-8	3.79	449.1 / 99.1	9727		0.209	0.280	0.258	Pass	110.1
30	PFOS	1763-23-1	4.19	499.1 / 80.1	38712	M5	0.198	0.215	0.233	Pass	106.7
31	PFOS_2	1763-23-1	4.18	499.1 / 99.1	8327	M5	0.191	0.215	0.233	Pass	102.9
32	PFNS	68259-12-1	4.57	549.1 / 80.1	28073		0.219	0.288	0.296	Pass	113.9
33	PFNS_2	68259-12-1	4.57	549.1 / 99.1	8083		0.215	0.288	0.296	Pass	111.9
34	PFDS	335-77-3	4.95	599.1 / 80.1	26755		0.212	0.256	0.272	Pass	109.7
35	PFDS_2	335-77-3	4.95	599.1 / 99.1	6843		0.193	0.256	0.272	Pass	100.2
36	PFDoS	79780-39-5	5.67	699.2 / 80.1	22126		0.191	0.272	0.263	Pass	98.5
37	PFDoS_2	79780-39-5	5.67	699.2 / 99.1	6010		0.198	0.272	0.263	Pass	101.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.96	327.1 / 307.1	50253		0.797	0.549	0.559	Pass	106.2
39	4:2FTS_2	757124-72-4	1.96	327.1 / 81.1	27578		0.774	0.549	0.559	Pass	103.3
40	6:2FTS	27619-97-2	3.11	427.2 / 407.2	42298		0.946	0.550	0.593	Pass	124.4
41	6:2FTS_2	27619-97-2	3.11	427.2 / 81.1	23280		0.839	0.550	0.593	Pass	110.3
42	8:2FTS	39108-34-4	3.88	527.2 / 507.2	28982		0.929	0.633	0.759	Pass	121.0
43	8:2FTS_2	39108-34-4	3.88	527.2 / 81.1	18344		0.792	0.633	0.759	Pass	103.1
44	PFOSA	754-91-6	5.27	498.1 / 78.1	47476	M5	0.209	0.022	0.023	Pass	104.3
45	PFOSA_2	754-91-6	5.27	498.1 / 478.0	1054	M5	0.196	0.022	0.023	Pass	97.8
46	NMeFOSA	31506-32-8	5.98	512.2 / 219.0	9666	M5	0.215	1.487	1.457	Pass	107.5
47	NMeFOSA_2	31506-32-8	5.92	512.2 / 169.0	14375	M5	0.220	1.487	1.457	Pass	110.1
48	NEtFOSA	4151-50-2	6.27	526.2 / 219.0	8491	M5	0.210	1.371	1.309	Pass	105.0
49	NEtFOSA_2	4151-50-2	6.23	526.2 / 169.0	11642		0.219	1.371	1.309	Pass	109.7
50	NMeFOSAA	2355-31-9	4.15	570.2 / 419.1	6280		0.202	0.911	0.804	Pass	101.1
51	NMeFOSAA_2	2355-31-9	4.15	570.2 / 483.0	5723	M5	0.241	0.911	0.804	Pass	120.8
52	NEtFOSAA	2991-50-6	4.34	584.2 / 419.1	8905		0.207	0.553	0.419	Pass	103.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.34	584.2 / 526.2	4926	M5	0.260	0.553	0.419	Pass	129.8
54	NMeFOSE	24448-09-7	5.85	616.1 / 58.9	264296	M5	2.102	N/A	N/A	N/A	105.1
55	NEtFOSE	1691-99-2	6.14	630.0 / 58.9	389012		2.161	N/A	N/A	N/A	108.1
56	HFPO-DA	13252-13-6	2.44	285.0 / 169.0	112412		0.799	0.714	0.685	Pass	99.8
57	HFPO-DA_2	13252-13-6	2.44	285.0 / 184.9	80280		0.871	0.714	0.685	Pass	108.9
58	ADONA	919005-14-4	3.00	376.9 / 251.0	312002		1.188	0.762	0.884	Pass	157.2
59	ADONA_2	919005-14-4	3.00	376.9 / 84.8	237685		0.900	0.762	0.884	Pass	119.0
60	9Cl-PF3ONS	756426-58-1	4.45	530.8 / 351.1	368052		0.875	0.329	0.325	Pass	117.2
61	9Cl-PF3ONS_2	756426-58-1	4.45	532.8 / 353.0	121088		0.882	0.329	0.325	Pass	118.3
62	11Cl-PF3OUdS	763051-92-9	5.20	630.9 / 451.0	229499		0.829	0.337	0.338	Pass	110.0
63	11Cl-PF3OUdS_2	763051-92-9	5.20	632.9 / 452.9	77312		0.796	0.337	0.338	Pass	105.6
64	3:3FTCA	356-02-5	1.76	241.1 / 177.1	12244		1.041	1.383	1.433	Pass	104.1
65	3:3FTCA_2	356-02-5	1.76	241.1 / 117.0	16939		0.936	1.383	1.433	Pass	93.6
66	5:3FTCA	914637-49-3	3.27	341.1 / 237.1	475151		5.387	0.843	0.935	Pass	107.7
67	5:3FTCA_2	914637-49-3	3.27	341.1 / 217.0	400593		4.907	0.843	0.935	Pass	98.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.18	441.1 / 316.9	232403		6.417	1.873	1.712	Pass	128.3
69	7:3FTCA_2	812-70-4	4.18	441.1 / 337.1	435304		6.115	1.873	1.712	Pass	122.3
70	PFEESA	113507-82-7	2.53	315.1 / 135.0	228380		0.310	0.083	0.084	Pass	86.9
71	PFEESA_2	113507-82-7	2.53	315.1 / 82.9	18908		0.301	0.083	0.084	Pass	84.4
72	PFMPA	377-73-1	0.81	229.0 / 85.0	118555		0.402	N/A	N/A	N/A	100.4
73	PFMBA	863090-89-5	1.66	279.0 / 85.0	124043		0.413	N/A	N/A	N/A	103.1
74	NFDHA	151772-58-6	2.10	295.0 / 201.0	52136		0.410	0.768	0.781	Pass	102.5
75	NFDHA_2	151772-58-6	2.10	295.0 / 84.9	40062		0.410	0.768	0.781	Pass	102.6
76	TDCA	516-50-7	2.98	499.1 / 124.1	3798843		9.316	5.309	5.150	Pass	93.2
77	TDCA_2	516-50-7	2.98	499.1 / 79.9	20169017		9.413	5.309	5.150	Pass	94.1
78	13C2D4-4:2FTS	Surr	1.95	333.2 / 312.1	182136		4.722	N/A	N/A	N/A	94.4
79	13C2-PFOA	Surr	3.27	415.0 / 370.0	389724		2.419	N/A	N/A	N/A	96.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.63	217.0 / 172.0	2612365		9.939	NA	NA	NA	99.4

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C5-PFPeA	EIS	1.33	268.0 / 223.0	1200220		5.026	NA	NA	NA	100.5
13C5-PFHxA	EIS	2.18	318.0 / 273.0	609154		2.968	NA	NA	NA	118.7
13C4-PFHpA	EIS	2.83	367.0 / 322.0	319938		2.270	NA	NA	NA	90.8
13C8-PFOA	EIS	3.27	420.8 / 376.0	1118925		2.432	NA	NA	NA	97.3
13C9-PFNA	EIS	3.66	472.0 / 427.0	440568		1.291	NA	NA	NA	103.3
13C6-PFDA	EIS	4.04	519.0 / 474.0	469401		1.299	NA	NA	NA	103.9
13C7-PFUnA	EIS	4.42	570.0 / 525.0	408063		1.308	NA	NA	NA	104.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.79	615.1 / 570.0	325065		1.251	NA	NA	NA	100.1
	13C2-PFTeDA	EIS	5.52	715.1 / 670.1	280426		1.205	NA	NA	NA	96.4
	13C3-PFBS	EIS	2.16	302.1 / 80.1	461646		2.266	NA	NA	NA	97.3
	13C3-PFHxS	EIS	3.36	402.1 / 80.1	443045		2.510	NA	NA	NA	105.9
	13C8-PFOS	EIS	4.18	507.1 / 80.1	470956		2.465	NA	NA	NA	102.7
	13C2-4:2FTS	EIS	1.96	329.1 / 81.1	161224		4.770	NA	NA	NA	101.7
	13C2-6:2FTS	EIS	3.11	429.2 / 81.1	135447		4.337	NA	NA	NA	91.1
	13C2-8:2FTS	EIS	3.88	529.2 / 81.1	135520		4.829	NA	NA	NA	100.6

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.27	506.1 / 78.1	824925		2.709	NA	NA	NA	108.4
d3-NMeFOSA	EIS	5.97	515.2 / 219.0	109380		2.442	NA	NA	NA	97.7
d5-NEtFOSA	EIS	6.25	531.2 / 219.0	93656		2.244	NA	NA	NA	89.7
d3-NMeFOSAA	EIS	4.14	573.2 / 419.1	211817		4.494	NA	NA	NA	89.9
d5-NEtFOSAA	EIS	4.33	589.3 / 419.1	223094		4.921	NA	NA	NA	98.4
d7-NMeFOSE	EIS	5.83	623.2 / 58.9	1216791		22.984	NA	NA	NA	91.9
d9-NEtFOSE	EIS	6.12	639.2 / 58.9	1571476		20.484	NA	NA	NA	81.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.44	287.0 / 169.0	1524265		10.192	NA	NA	NA	101.9
	13C3-PFBA	NIS	0.63	216.0 / 172.0	1169208		5.910	NA	NA	NA	118.2
	13C2-PFHxA	NIS	2.18	315.0 / 270.0	717602		2.730	NA	NA	NA	109.2
	13C4-PFOA	NIS	3.27	417.0 / 372.0	452969		2.614	NA	NA	NA	104.6
	13C5-PFNA	NIS	3.66	468.0 / 423.0	384979		1.237	NA	NA	NA	99.0
	13C2-PFDA	NIS	4.04	515.1 / 470.1	420306		1.327	NA	NA	NA	106.1
	18O2-PFHxS	NIS	3.36	403.1 / 84.1	357576		2.530	NA	NA	NA	106.7
	13C4-PFOS	NIS	4.18	503.1 / 80.1	331744		2.680	NA	NA	NA	111.7

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 12/19/2024 7:02:00 AM

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

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFBA
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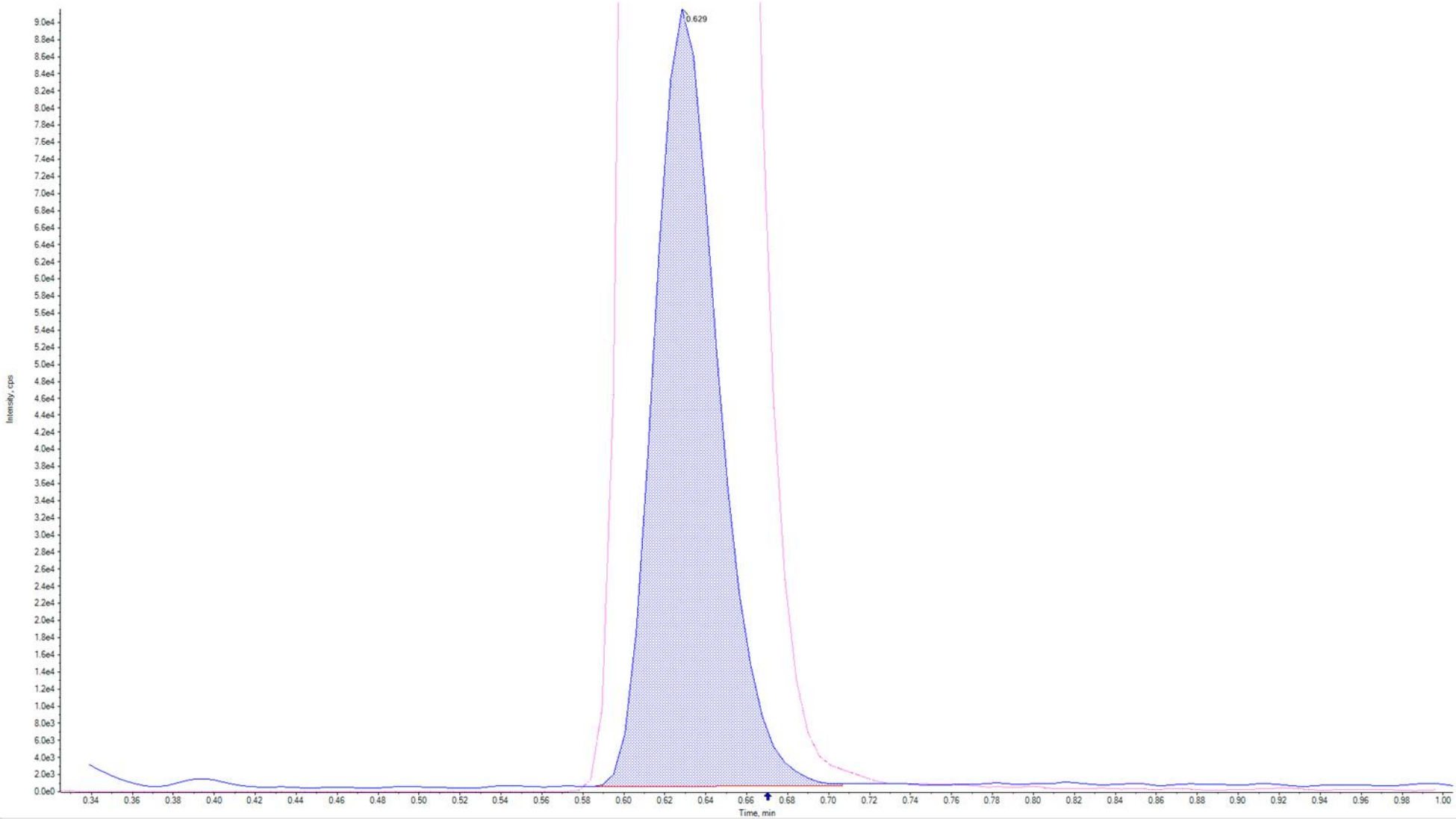

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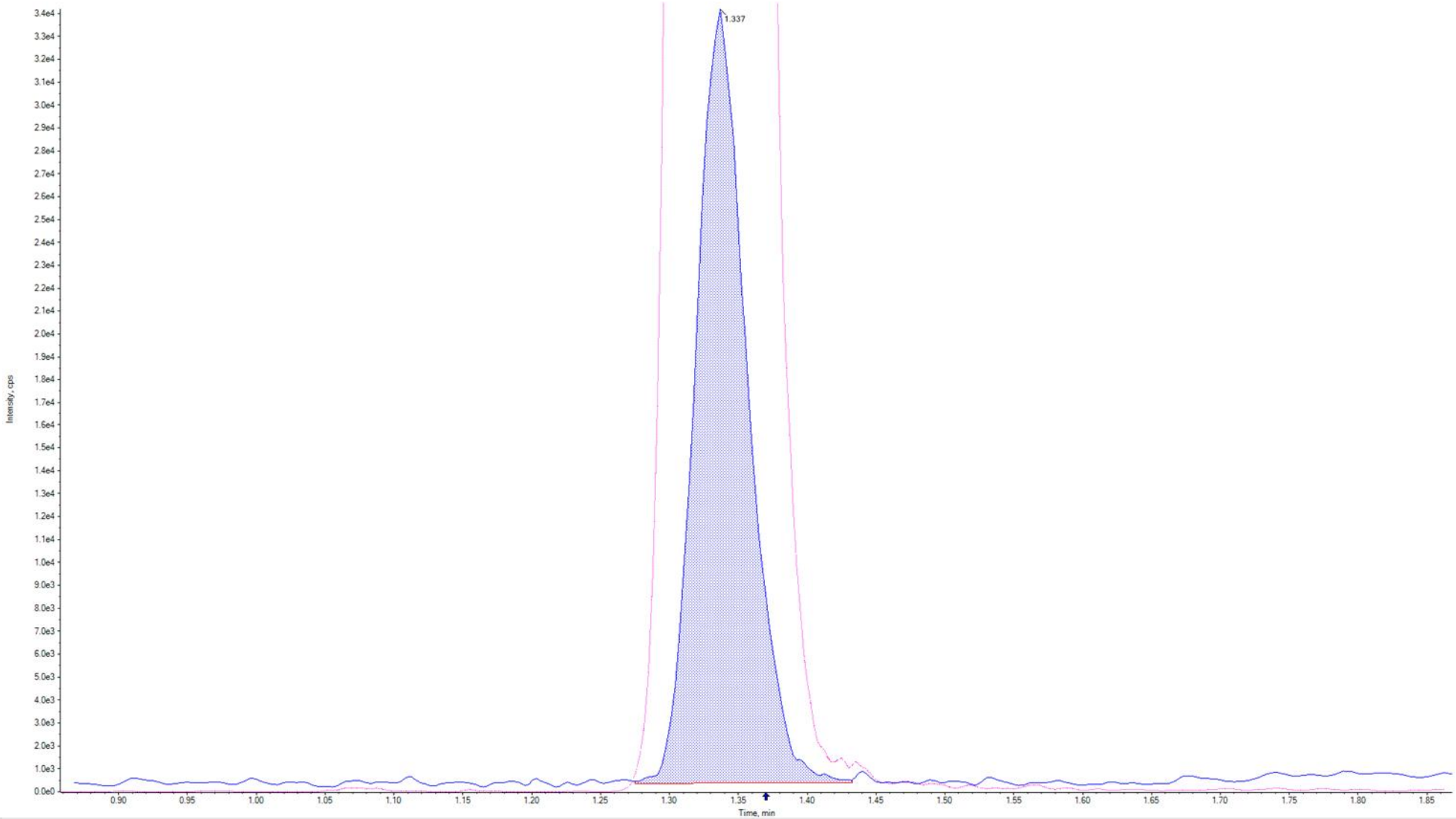
PFPeA
Sample: WG2011094-1,1633LOW S/N:813.5 Points Across peak:57



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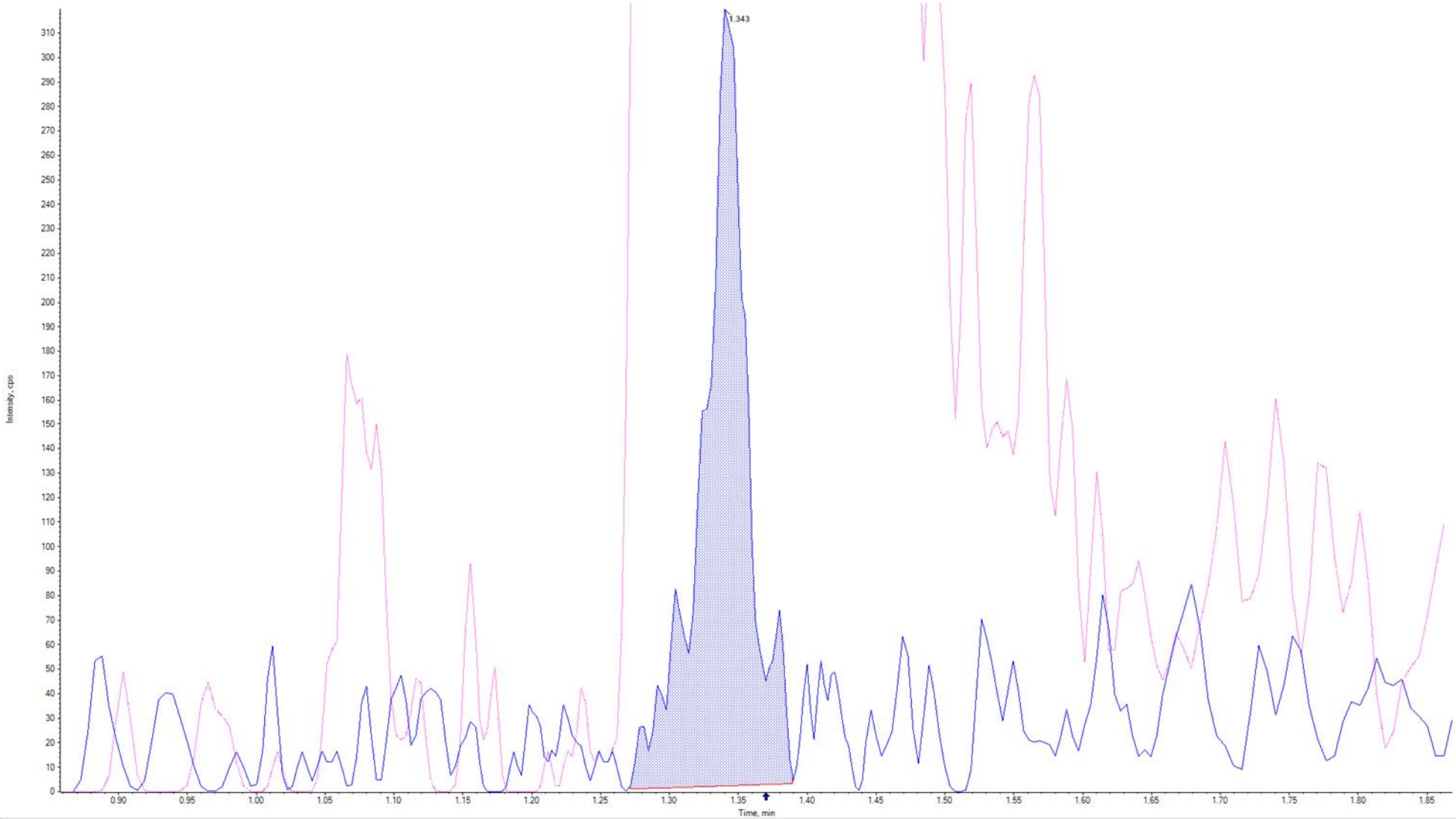
PFPeA_2
Sample: WG2011094-1,1633LOW S/N:19.1 Points Across peak:42



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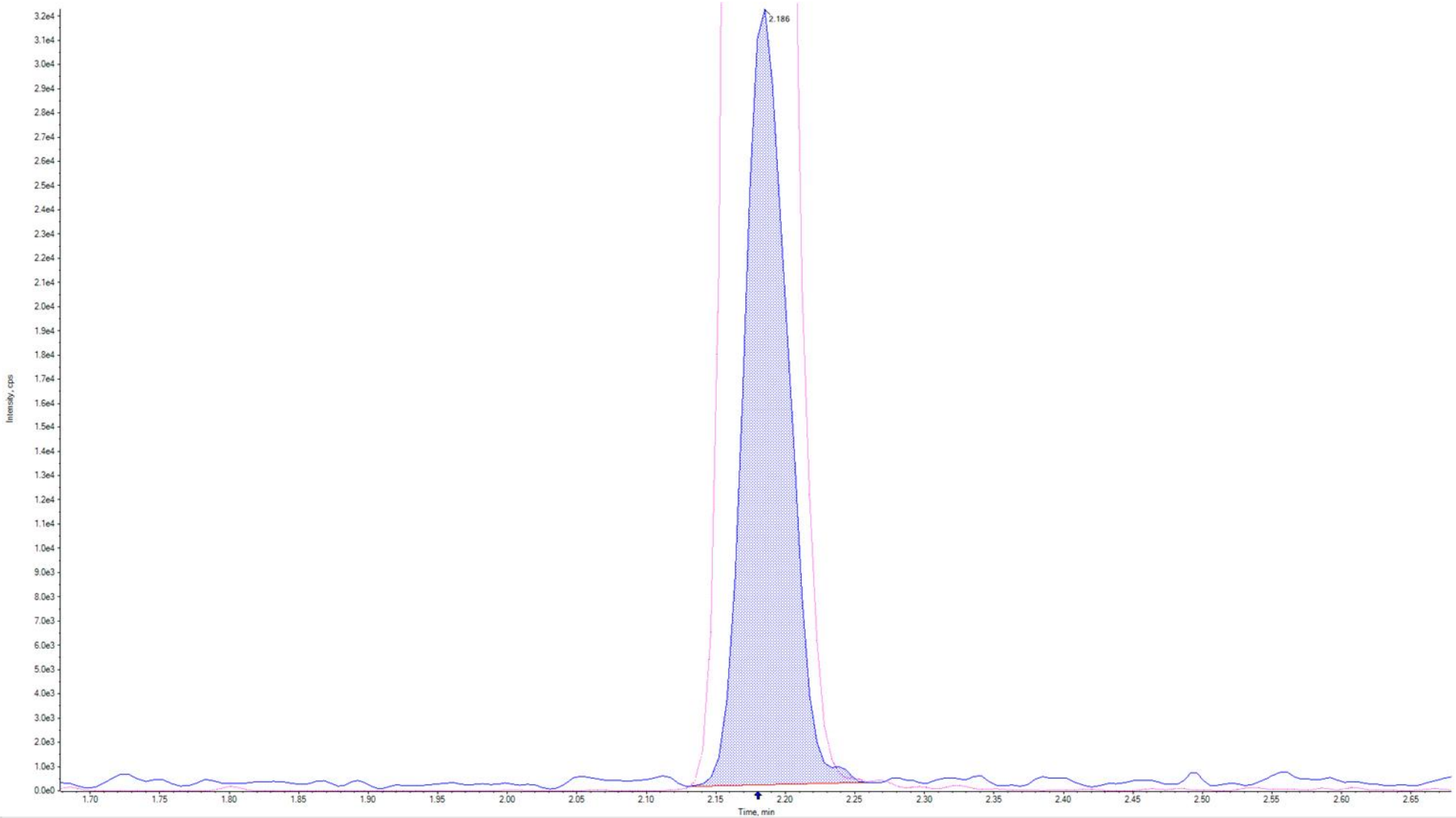
PFHxA
Sample: WG2011094-1,1633LOW S/N:688.7 Points Across peak:25



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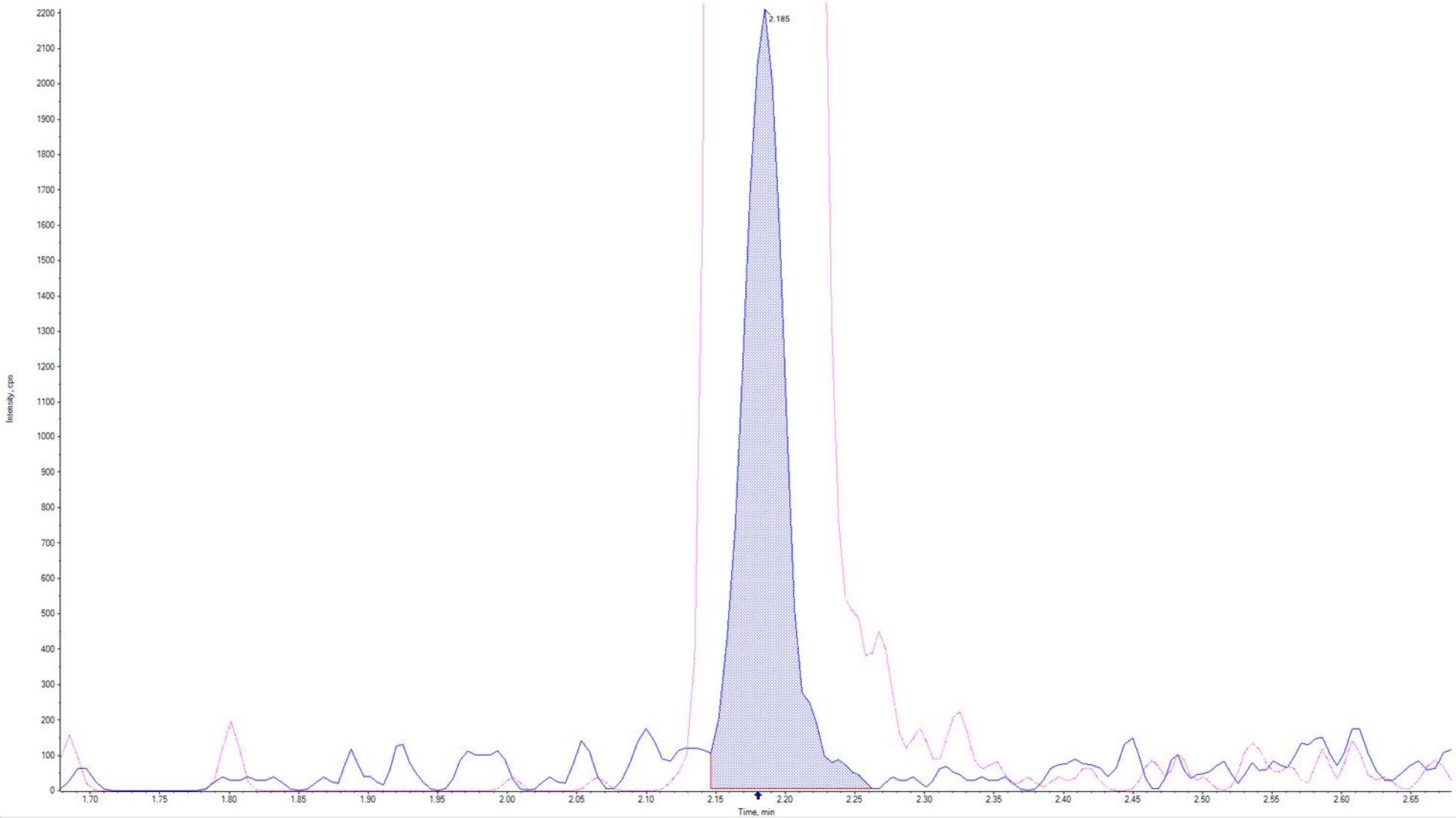
PFHxA_2
Sample: WG2011094-1,1633LOW S/N:55.3 Points Across peak:23



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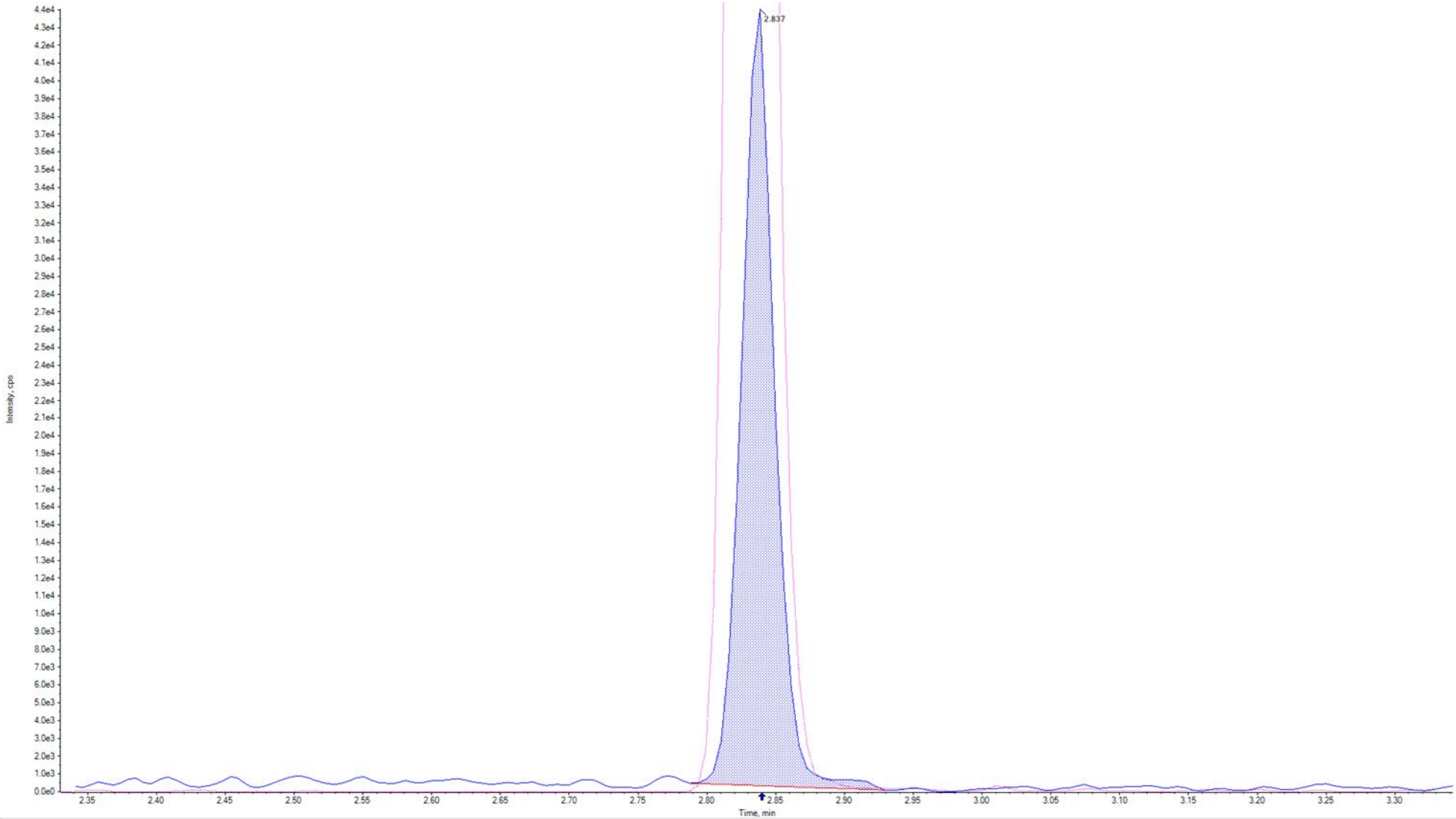
PFHpA
Sample: WG2011094-1,1633LOW S/N:876.1 Points Across peak:26



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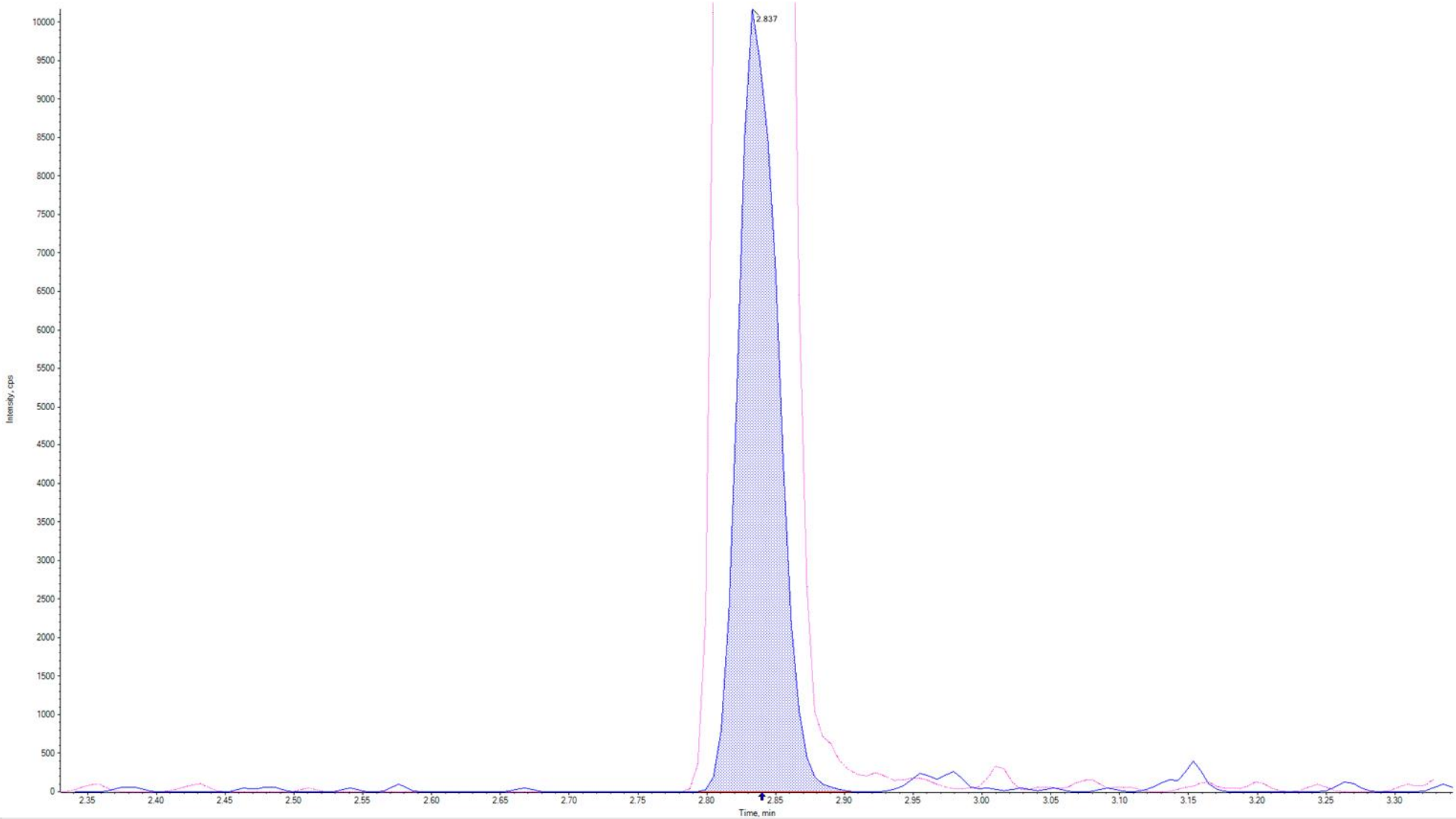
PFHpA_2
Sample: WG2011094-1,1633LOW S/N:203.9 Points Across peak:24



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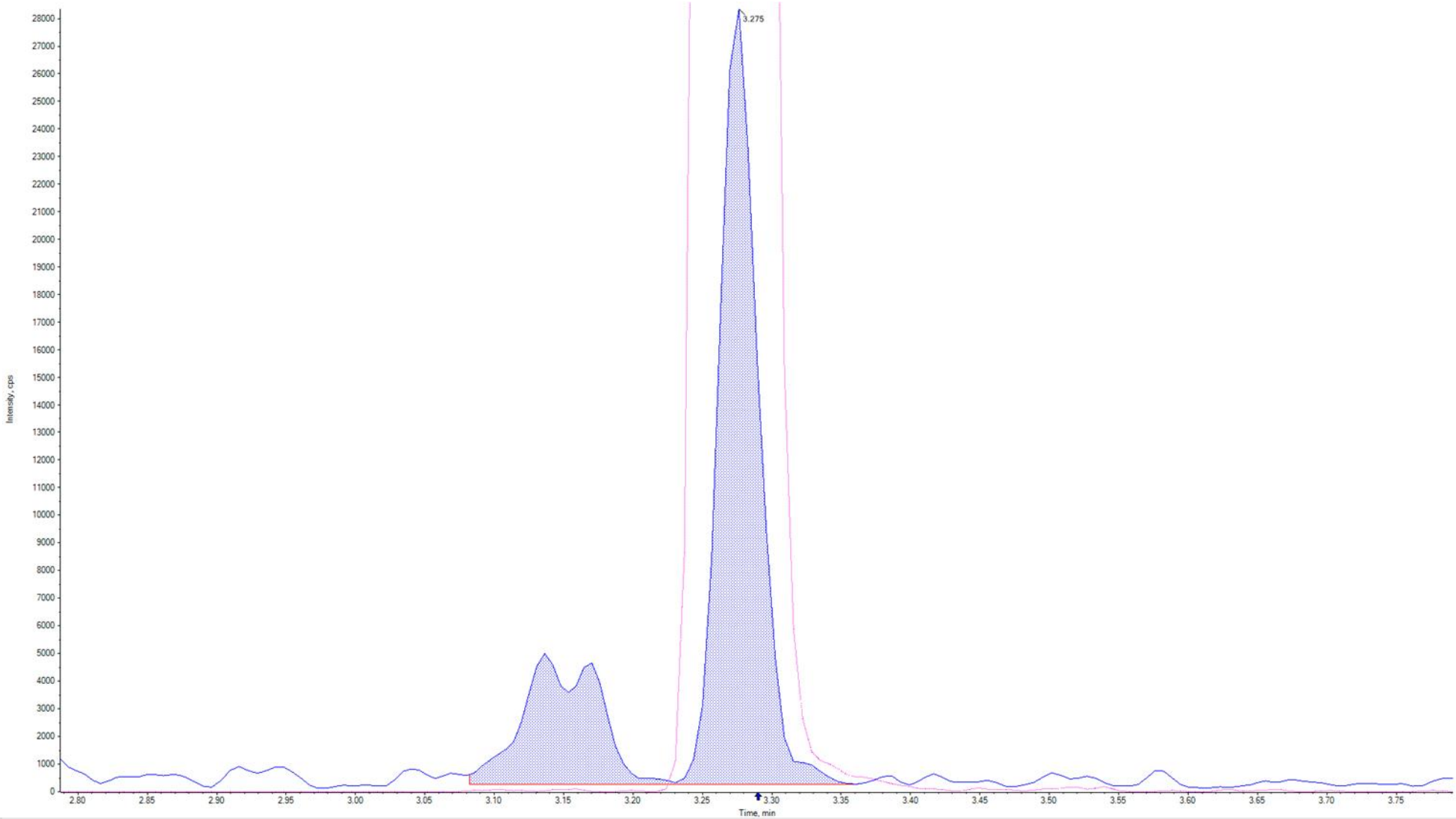
PFOA
Sample: WG2011094-1,1633LOW S/N:180.4 Points Across peak:48



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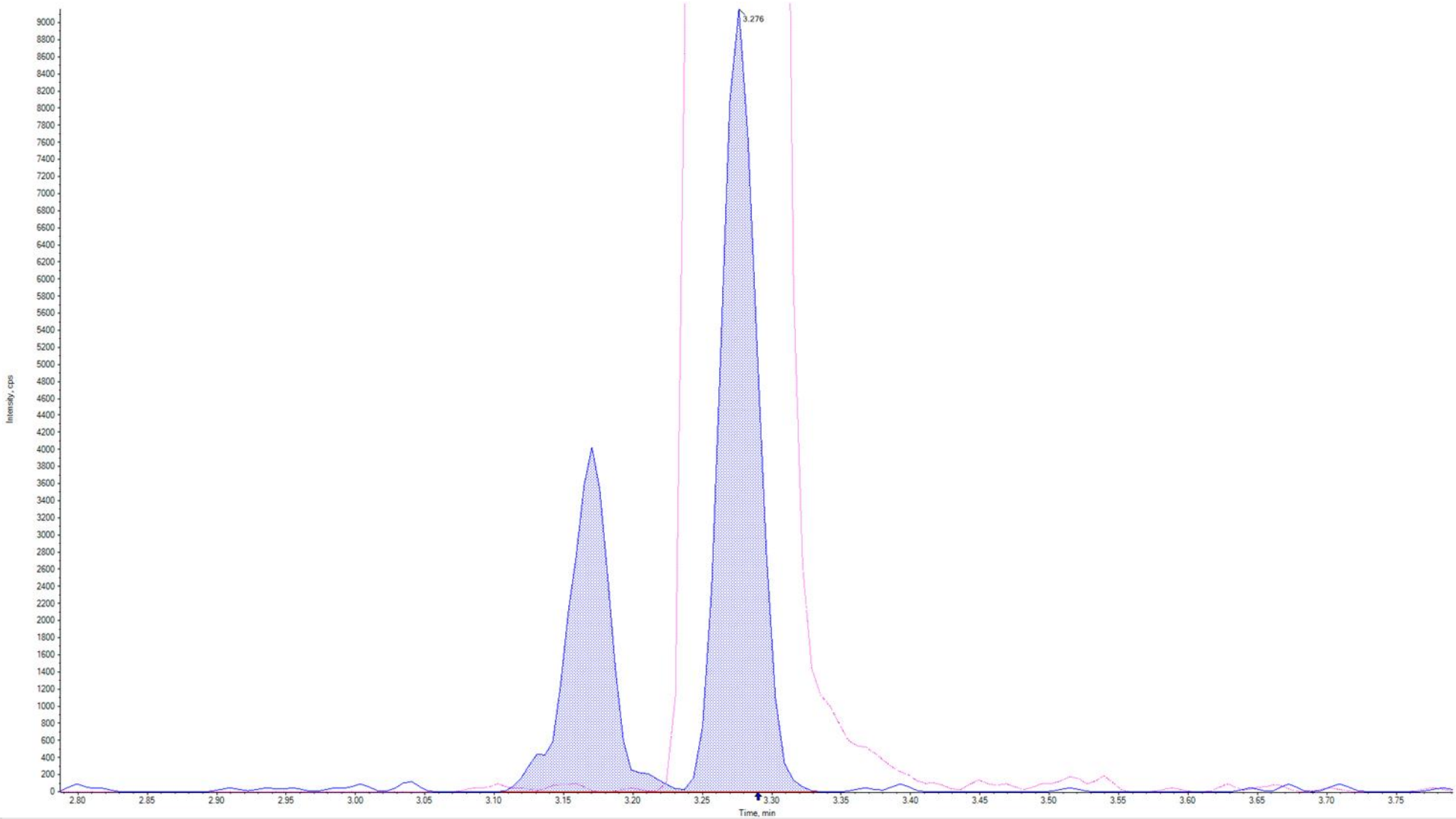
PFOA_2
Sample: WG2011094-1,1633LOW S/N:206.6 Points Across peak:41



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PFNA
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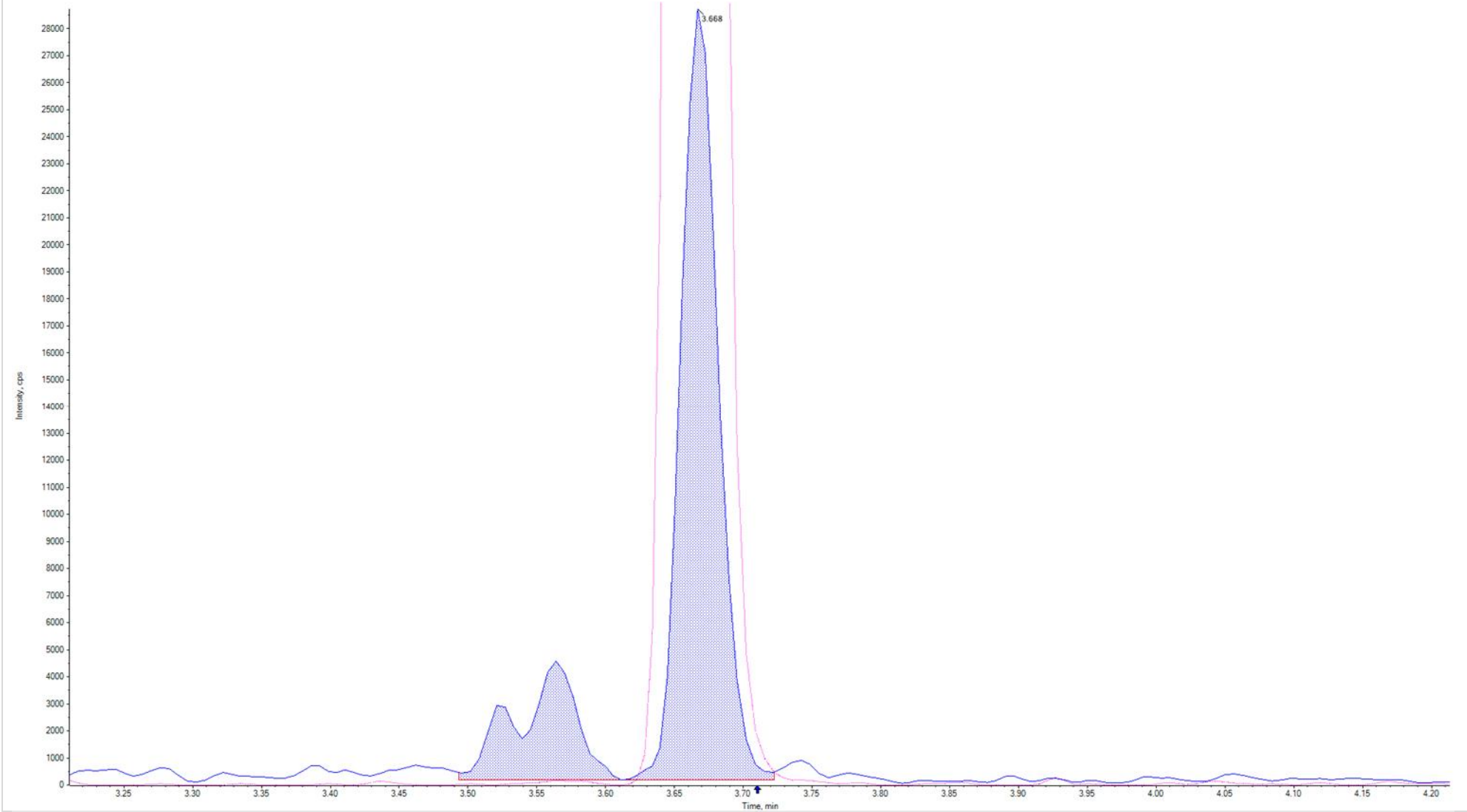

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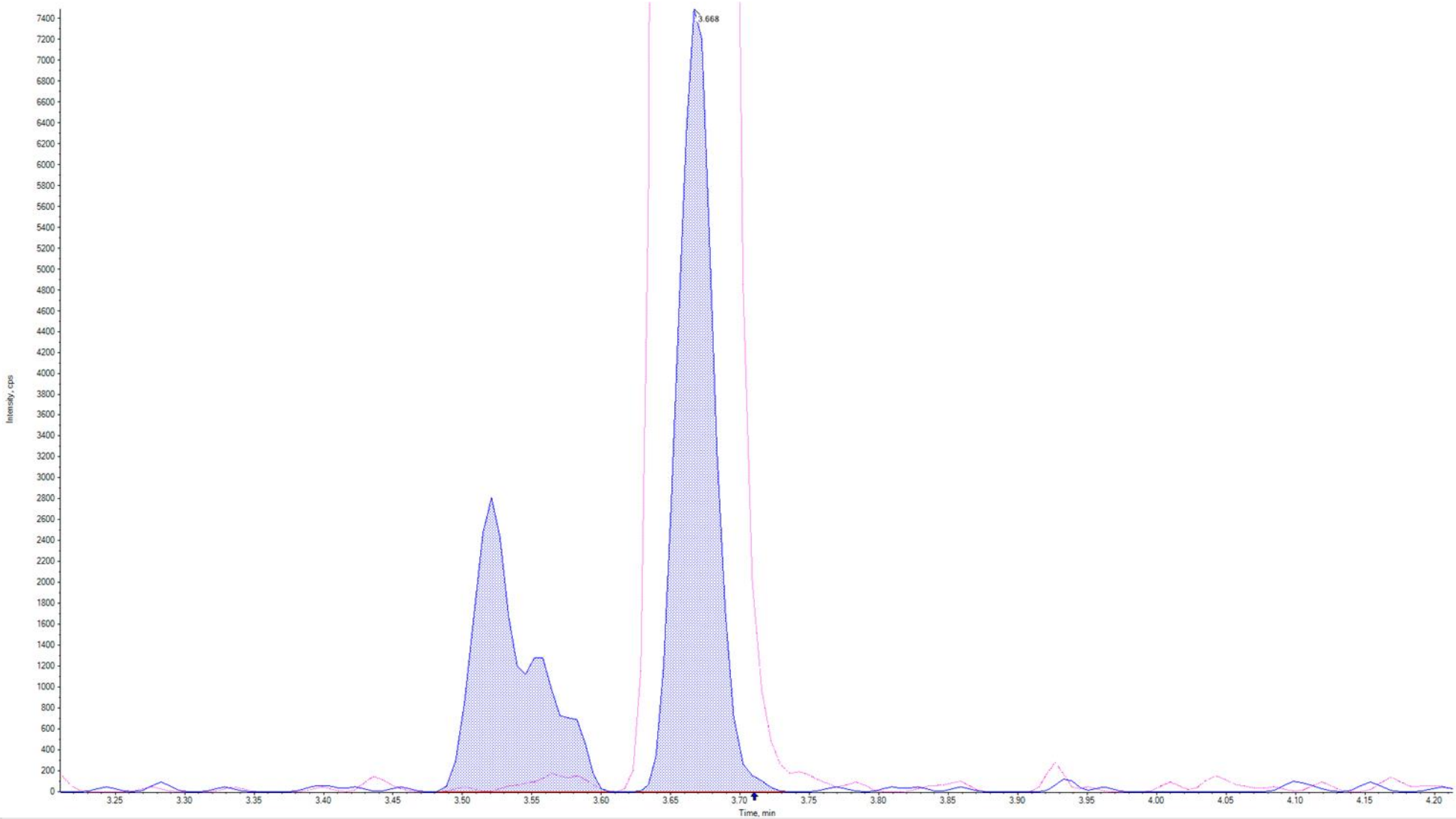
PFNA_2
Sample: WG2011094-1,1633LOW S/N:168.9 Points Across peak:45



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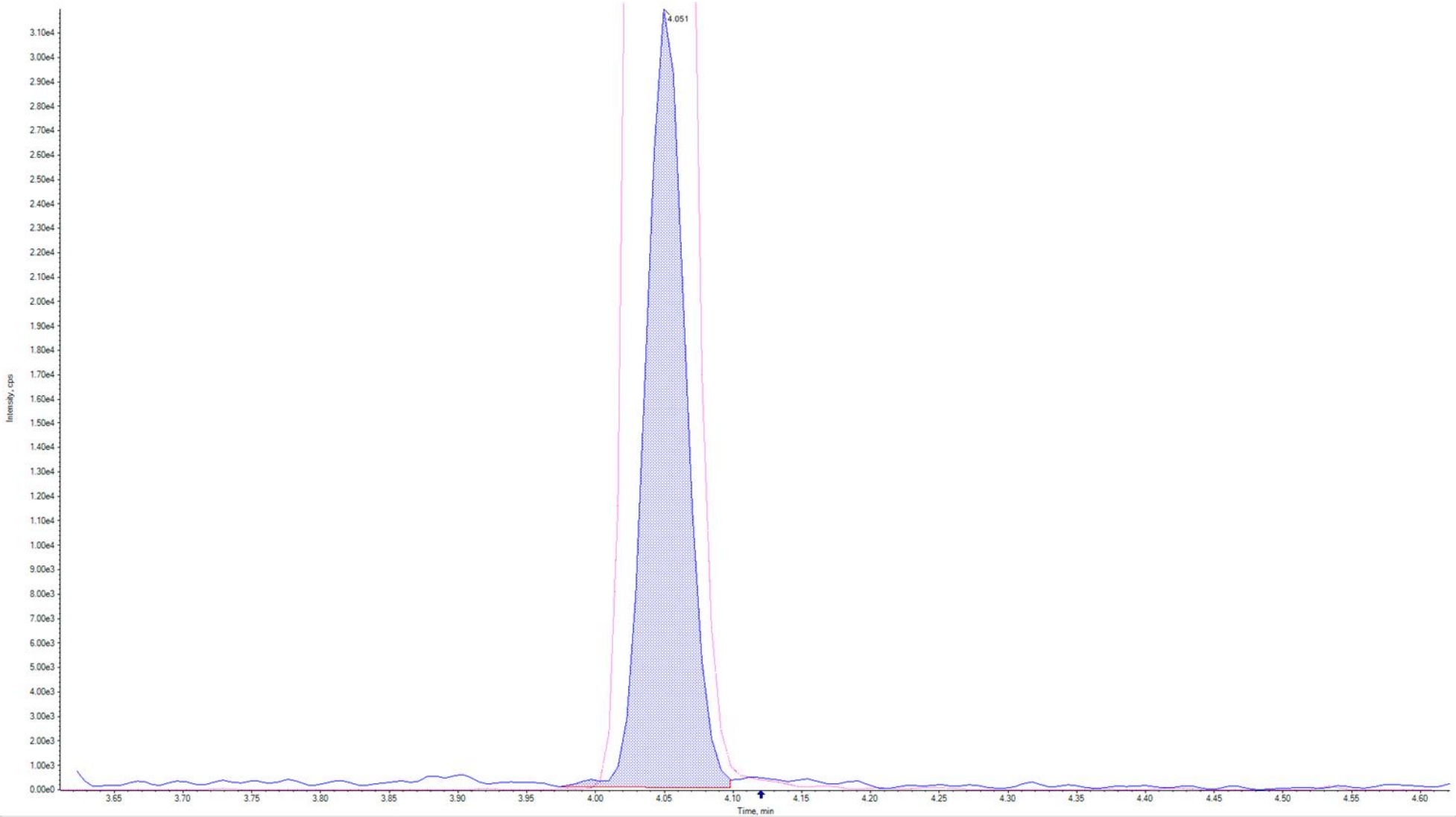
PFDA
Sample: WG2011094-1,1633LOW S/N:639.1 Points Across peak:20



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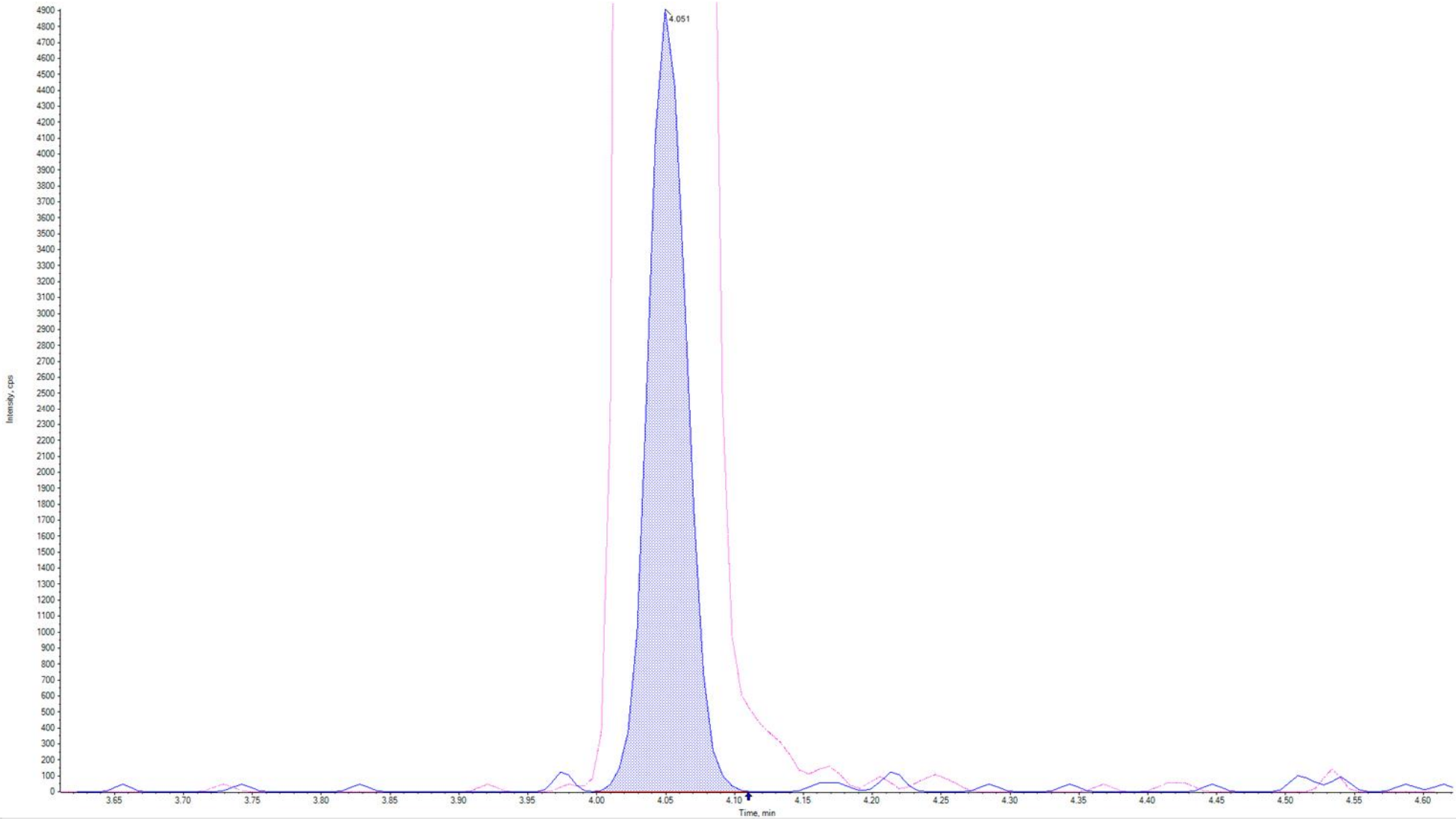
PFDA_2
Sample: WG2011094-1,1633LOW S/N:98.4 Points Across peak:19



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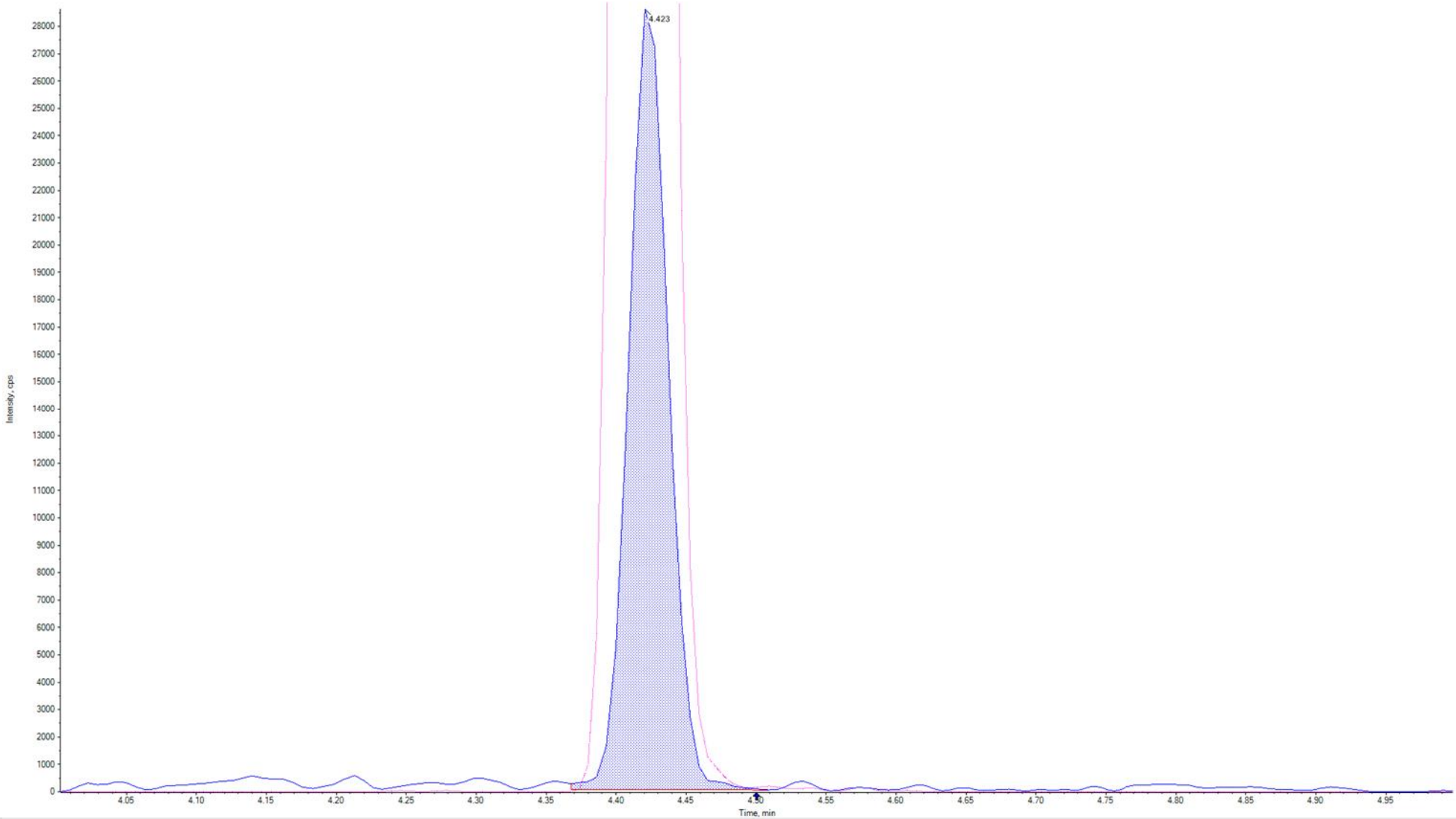
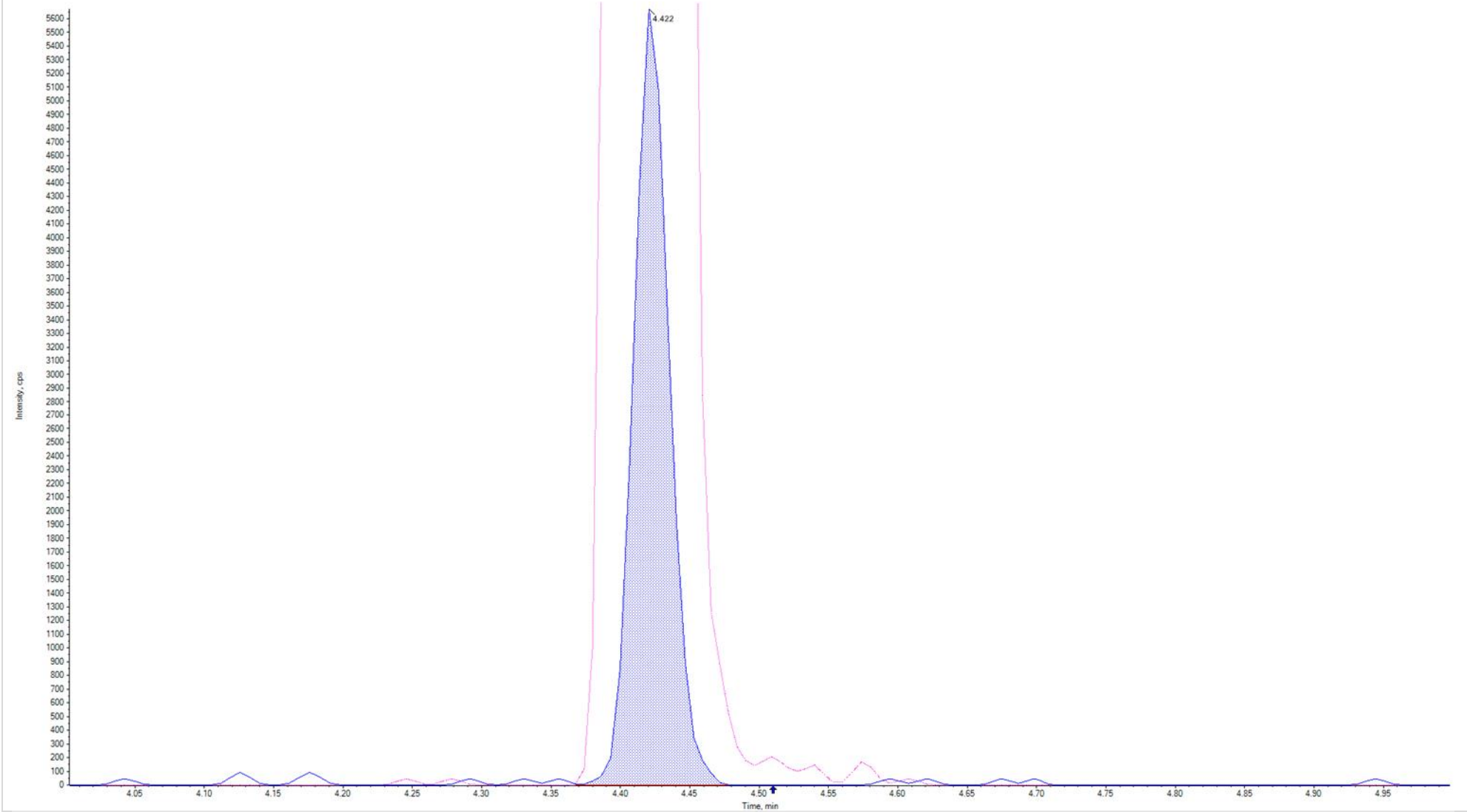
Generated: 12/19/2024 7:02:00 AM

PFUnA
Sample: WG2011094-1,1633LOW S/N:644.2 Points Across peak:23



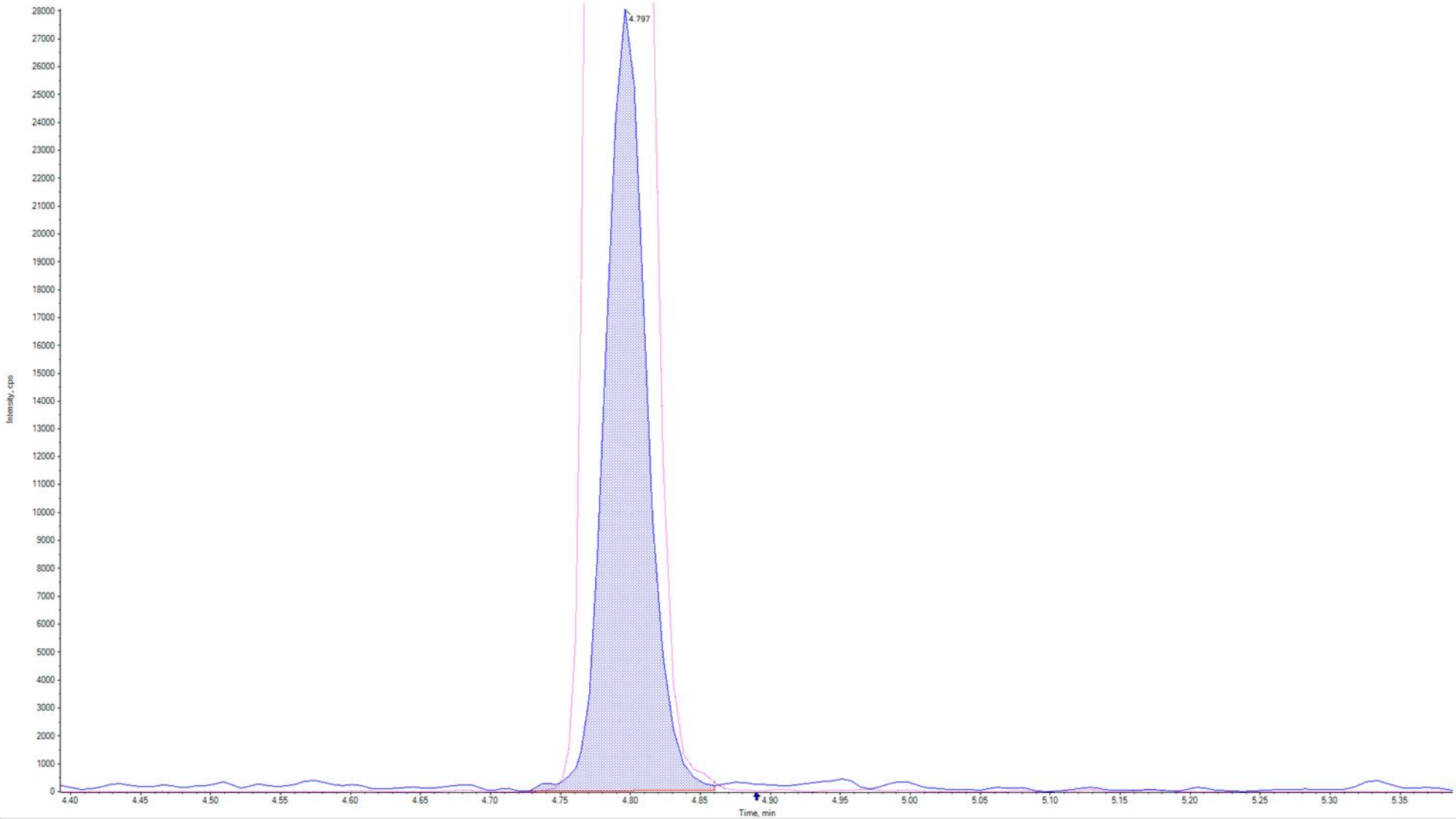
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFUnA_2
Sample: WG2011094-1,1633LOW S/N:127.9 Points Across peak:23



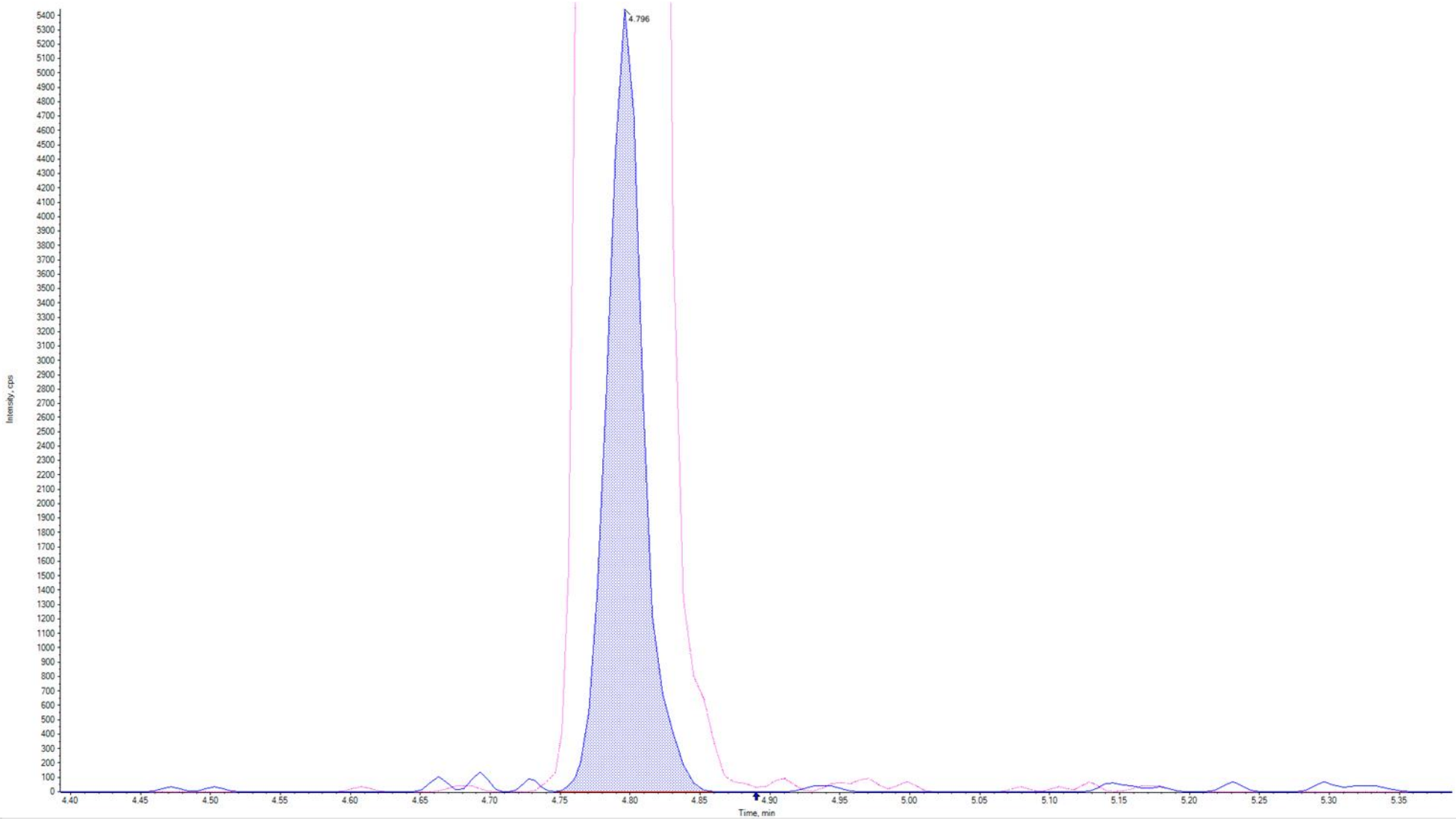
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFDoA
Sample: WG2011094-1,1633LOW S/N:772.7 Points Across peak:24



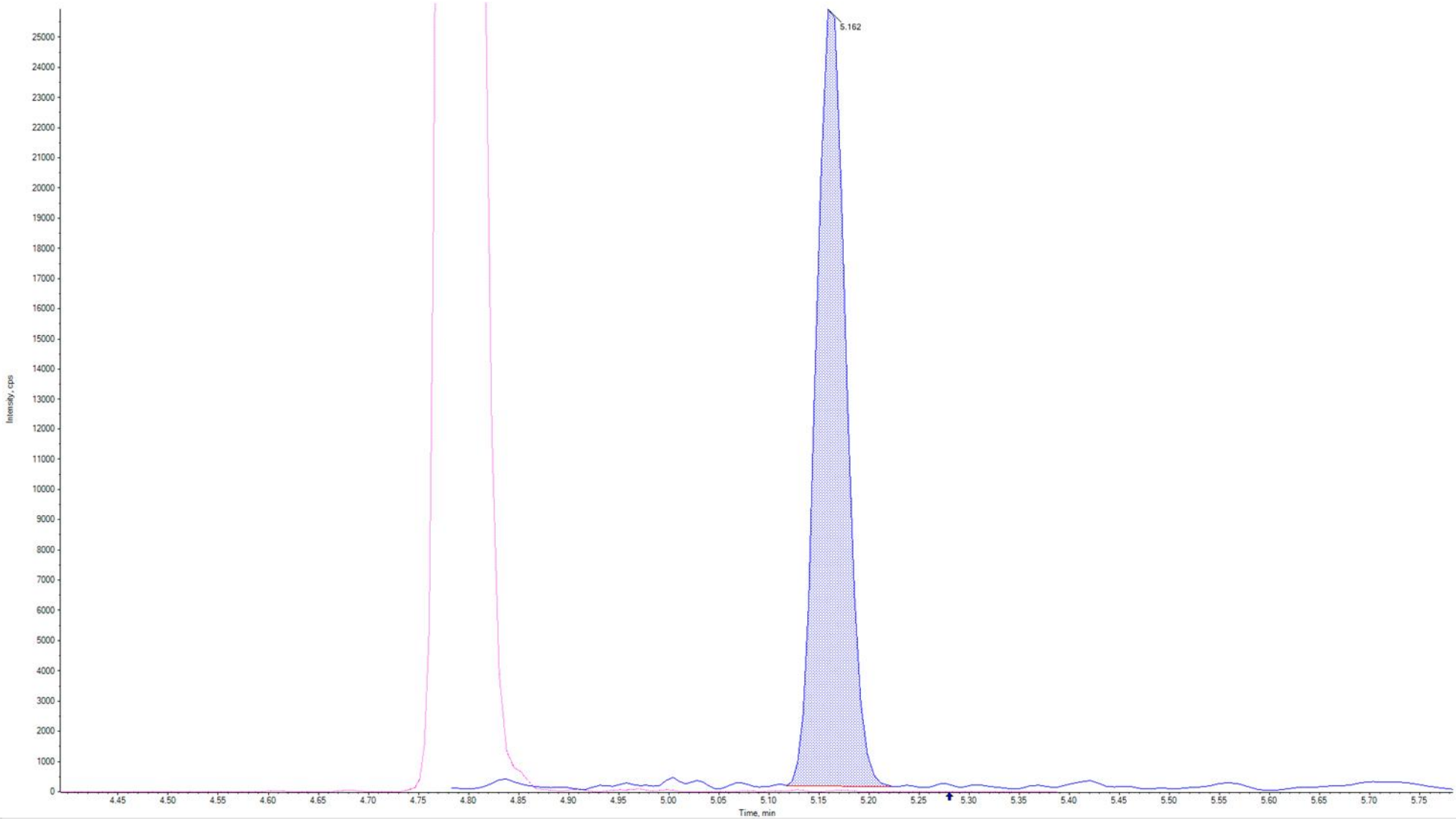
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFDoA_2
Sample: WG2011094-1,1633LOW S/N:150.1 Points Across peak:23



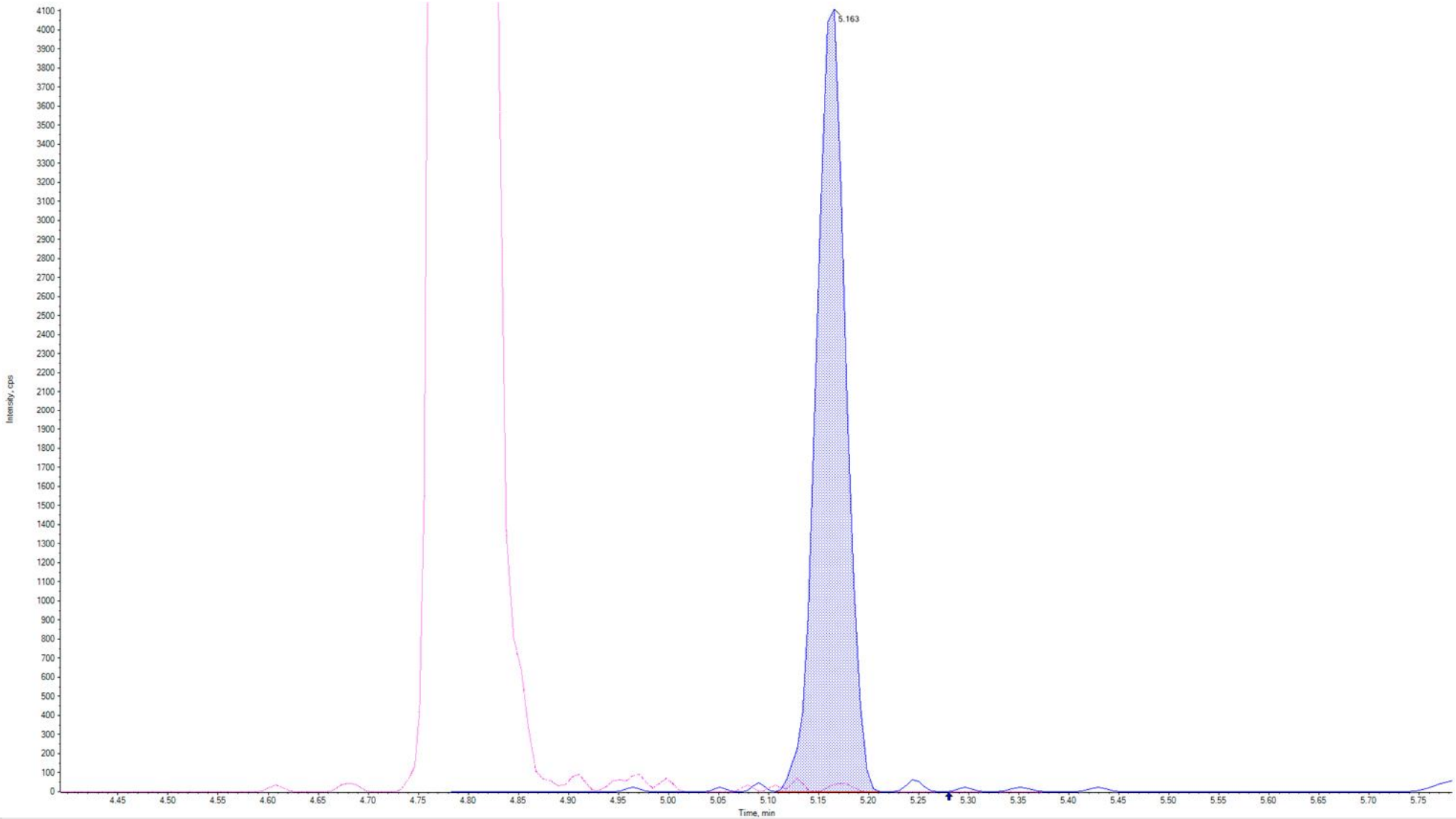
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFTrDA
Sample: WG2011094-1,1633LOW S/N:844.0 Points Across peak:18



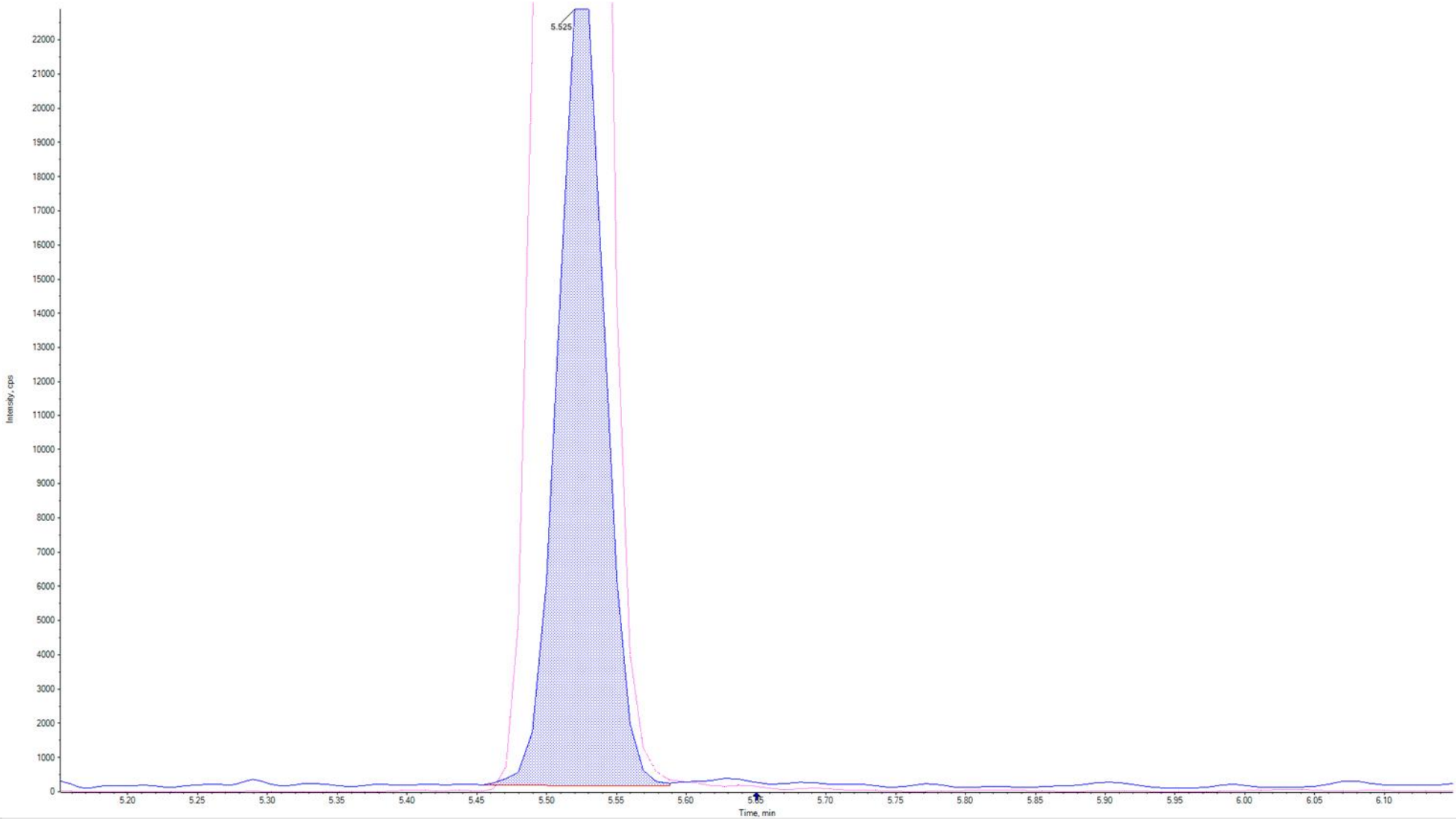
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFTrDA_2
Sample: WG2011094-1,1633LOW S/N:164.8 Points Across peak:19



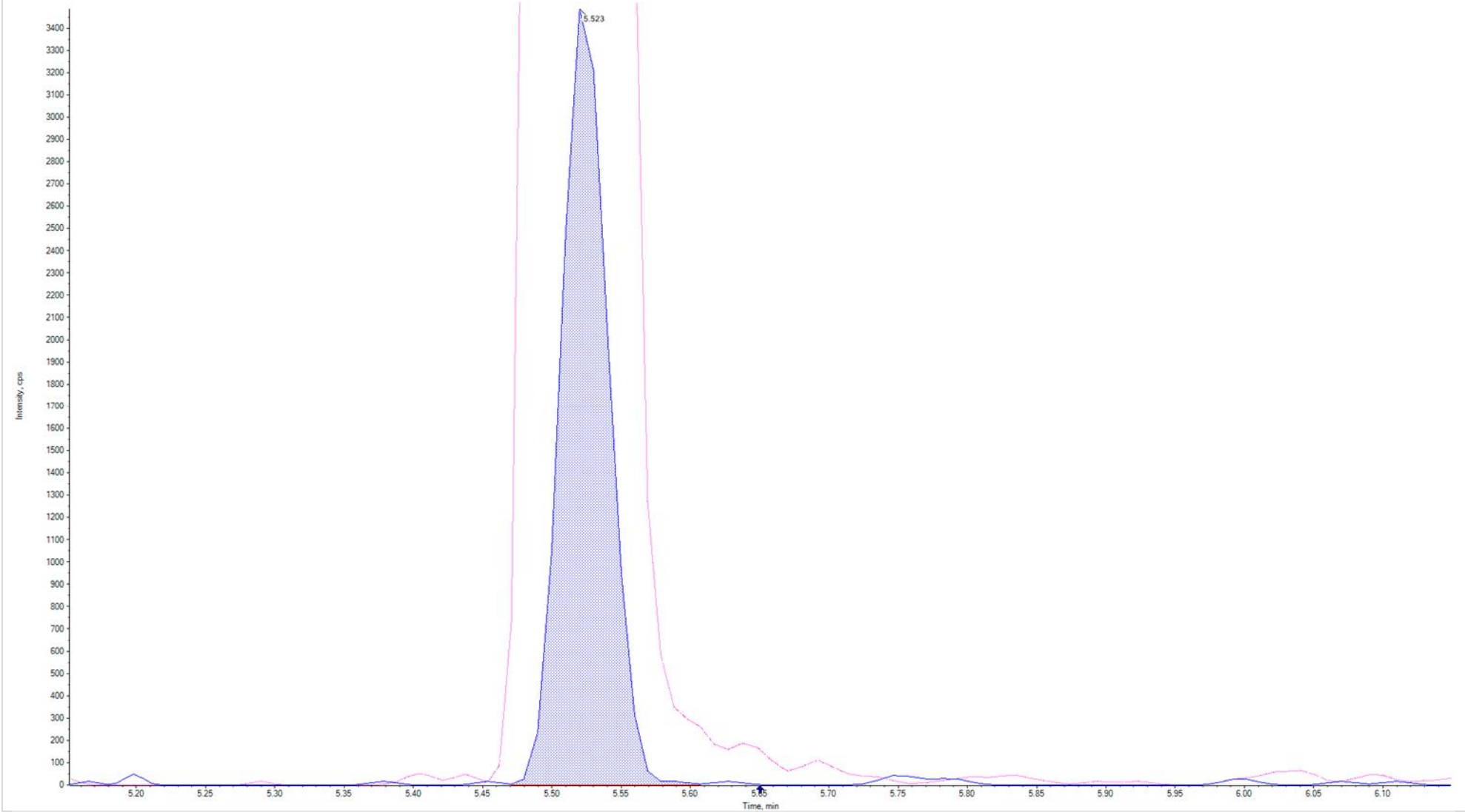
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFTeDA
Sample: WG2011094-1,1633LOW S/N:318.4 Points Across peak:15



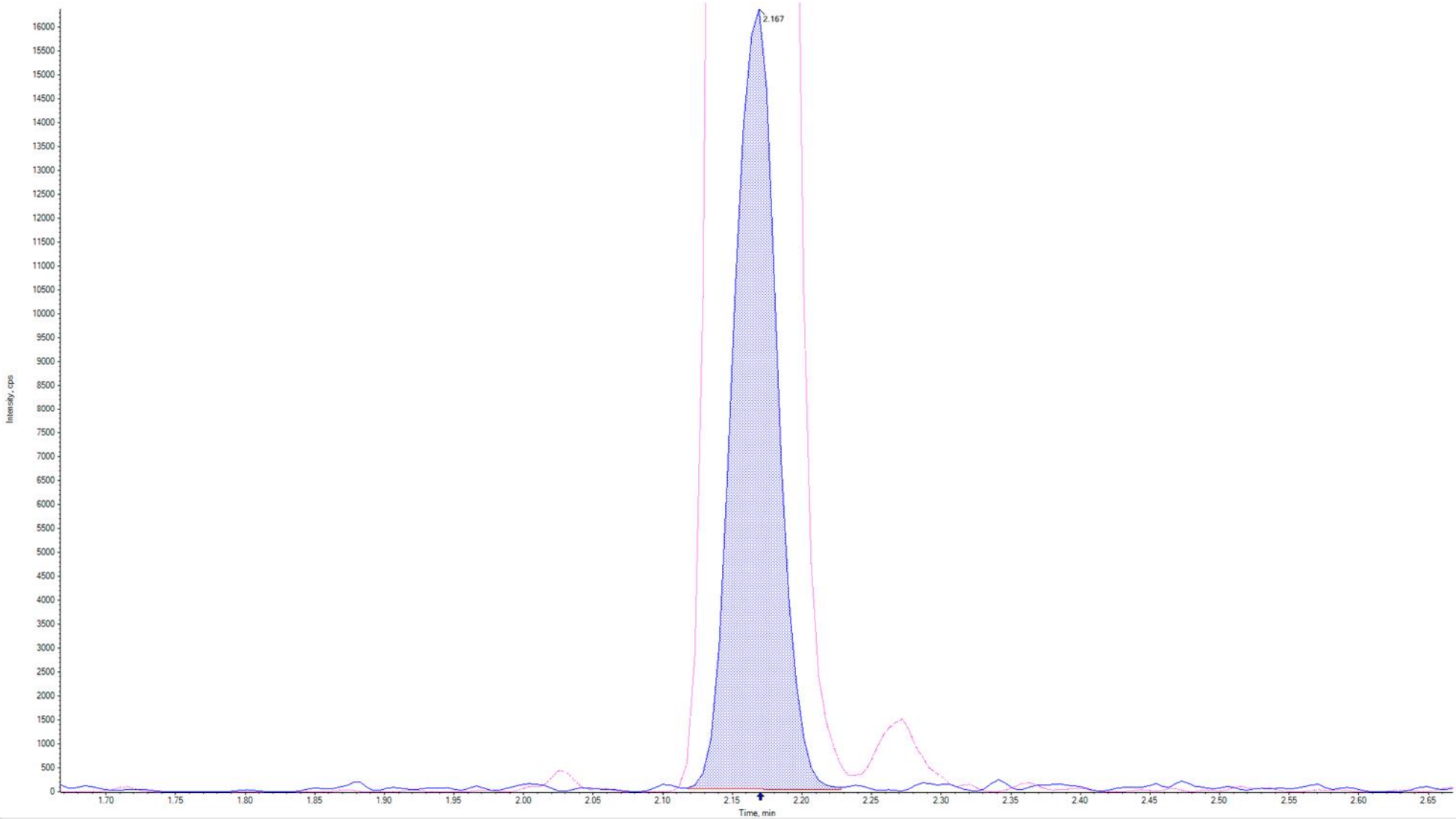
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFTeDA_2
Sample: WG2011094-1,1633LOW S/N:218.4 Points Across peak:15



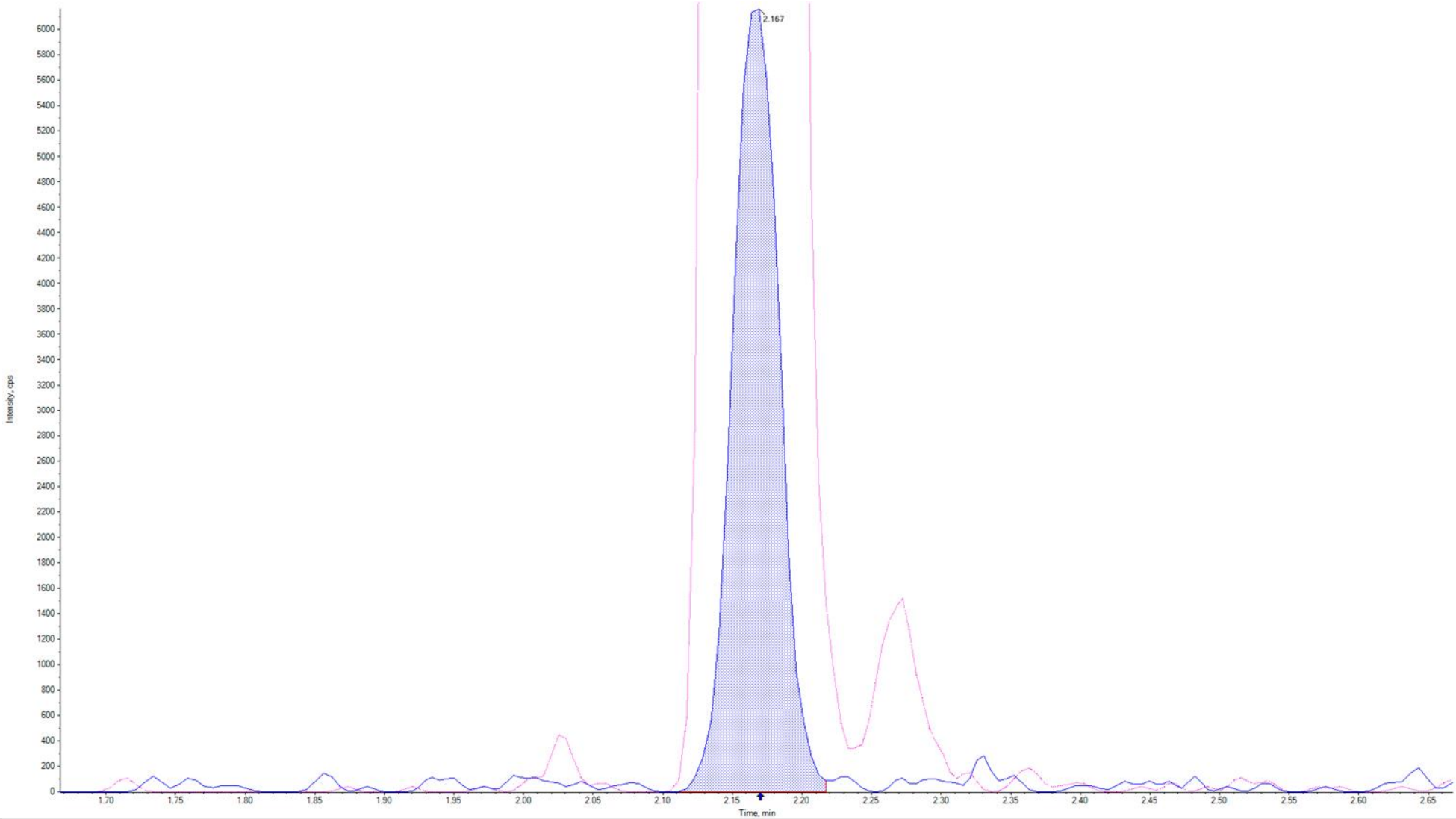
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFBS
Sample: WG2011094-1,1633LOW S/N:409.0 Points Across peak:21



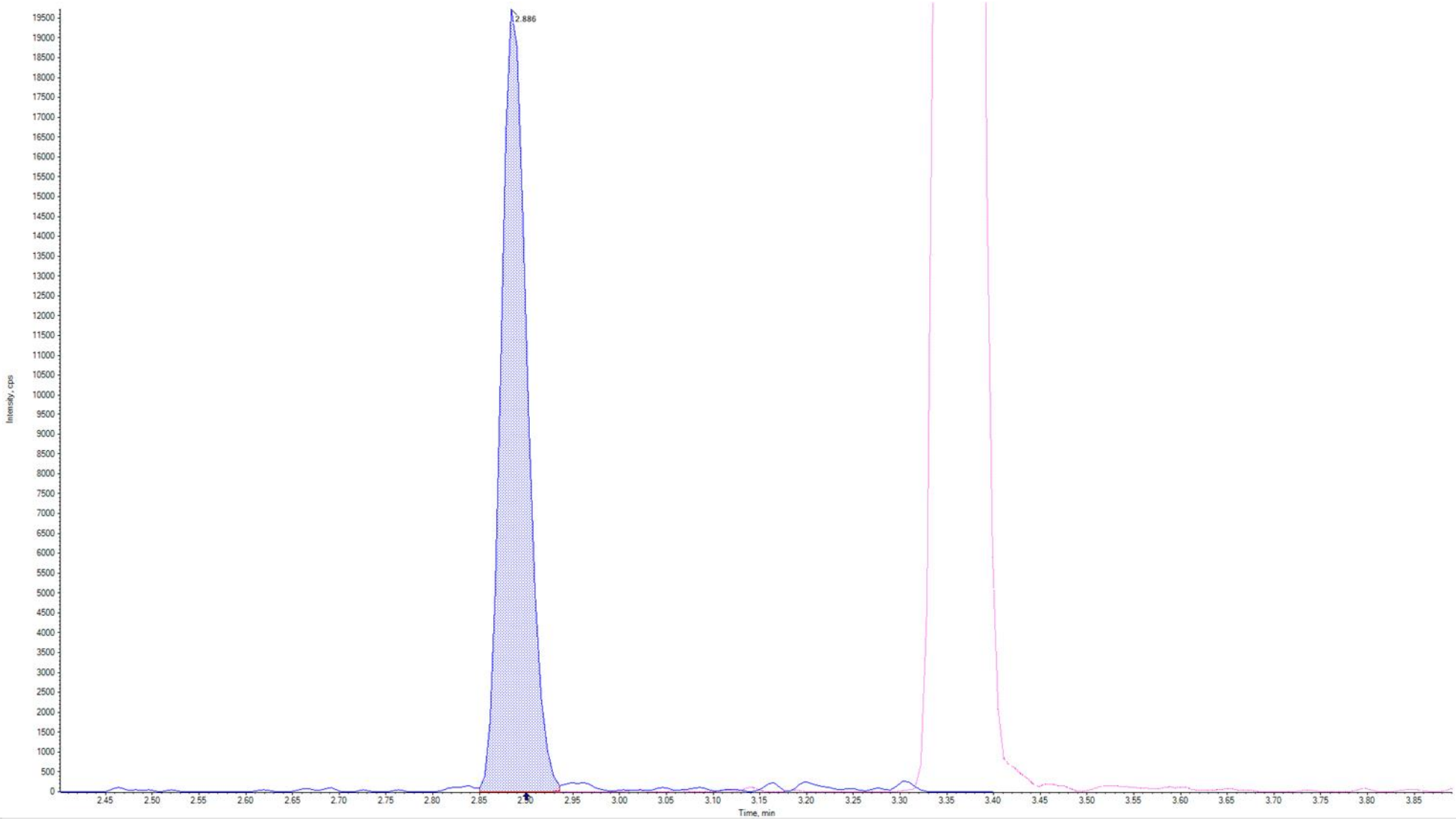
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFBS_2
Sample: WG2011094-1,1633LOW S/N:154.4 Points Across peak:21



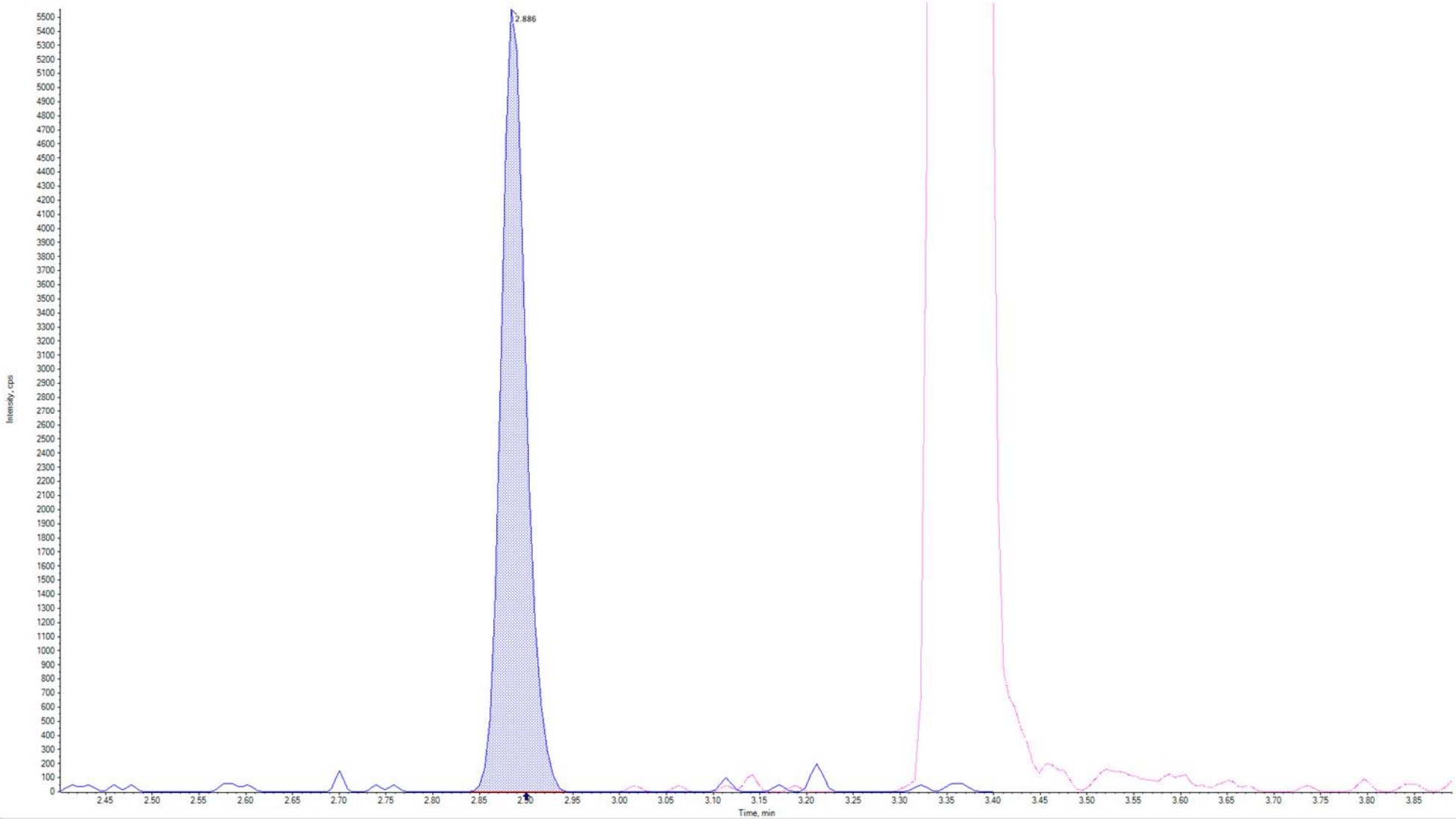
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFPeS
Sample: WG2011094-1,1633LOW S/N:395.4 Points Across peak:15



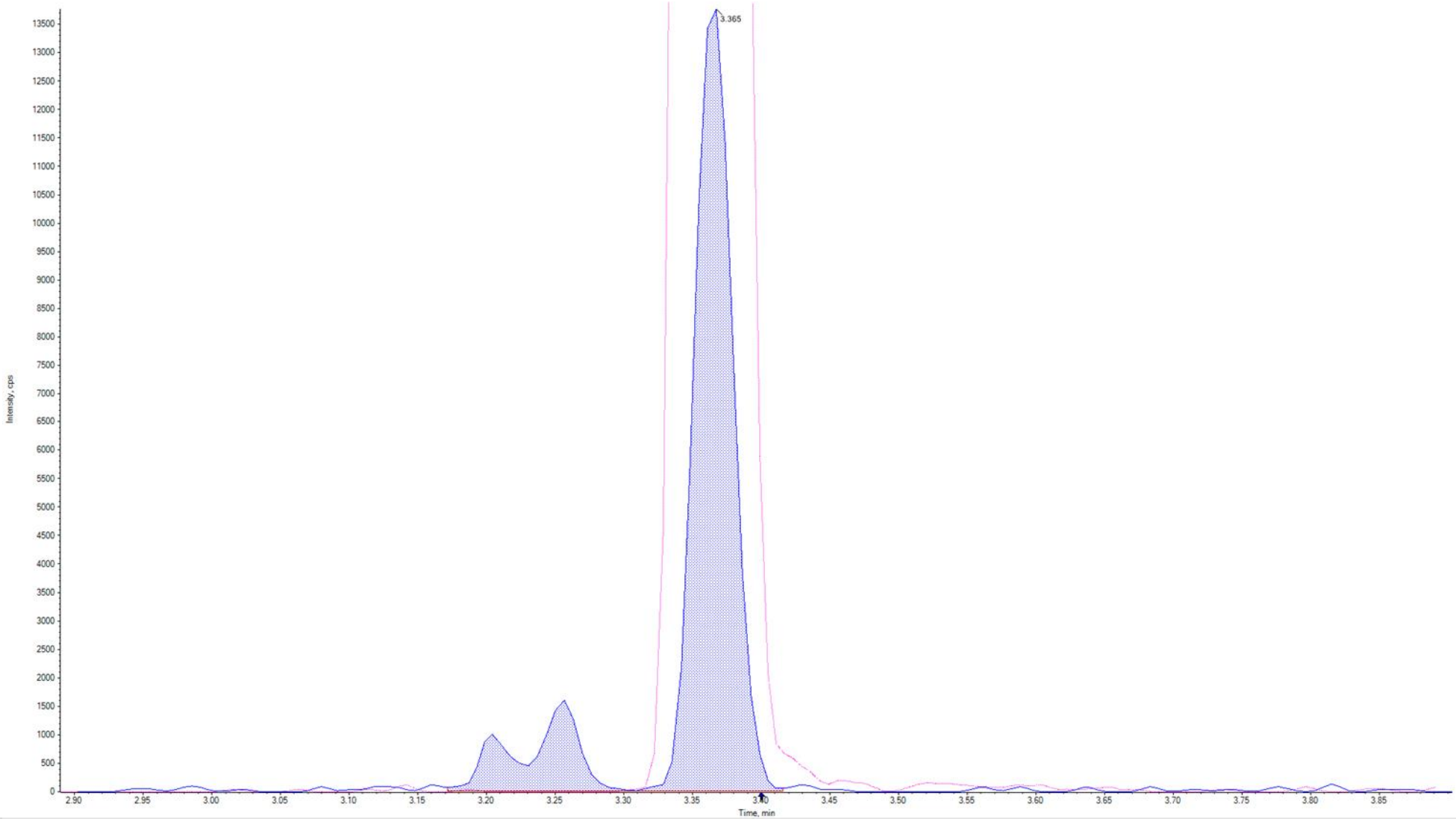
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFPeS_2
Sample: WG2011094-1,1633LOW S/N:111.4 Points Across peak:28



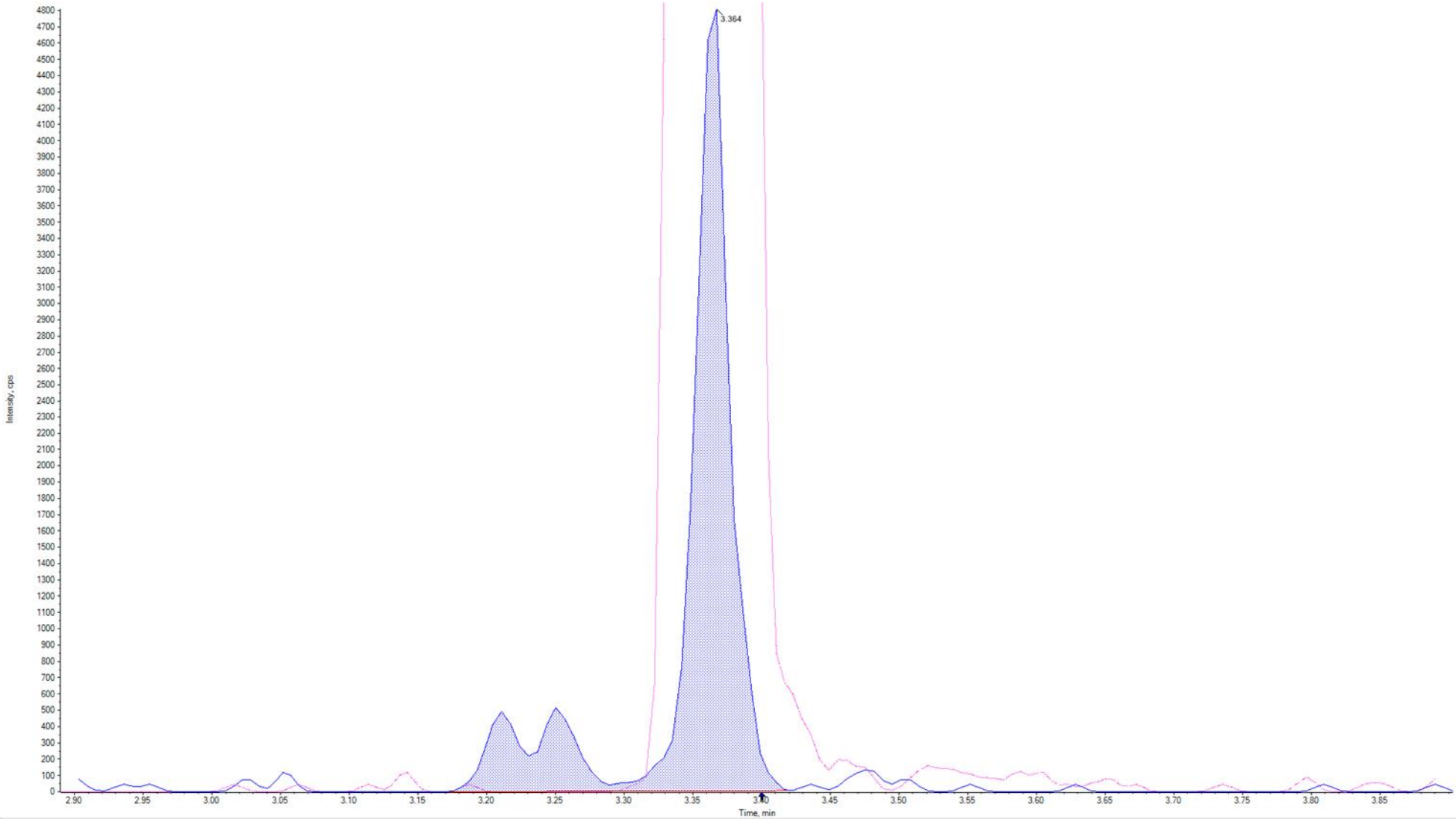
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFHxS
Sample: WG2011094-1,1633LOW S/N:299.1 Points Across peak:40



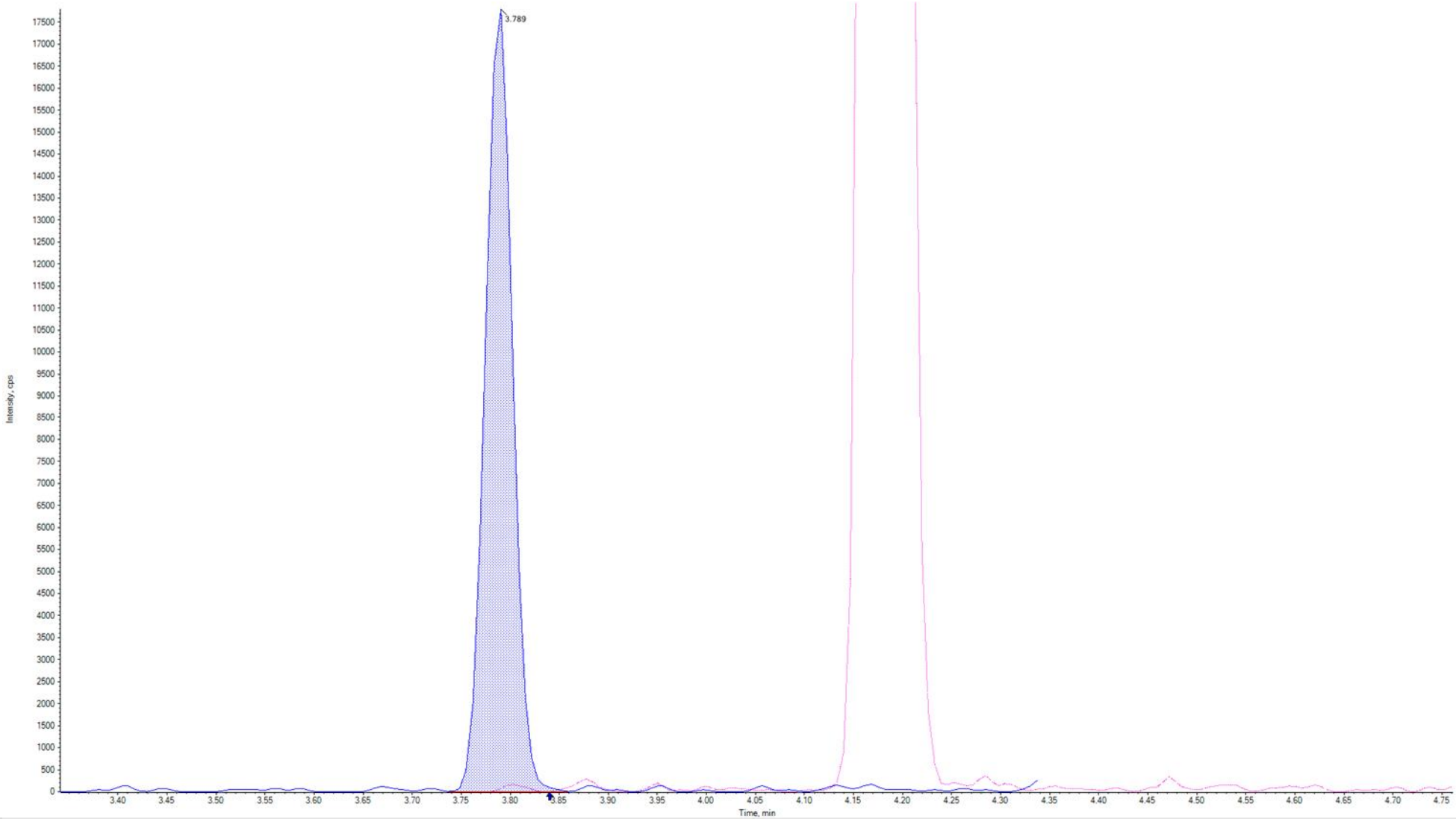
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFHxS_2
Sample: WG2011094-1,1633LOW S/N:108.4 Points Across peak:42



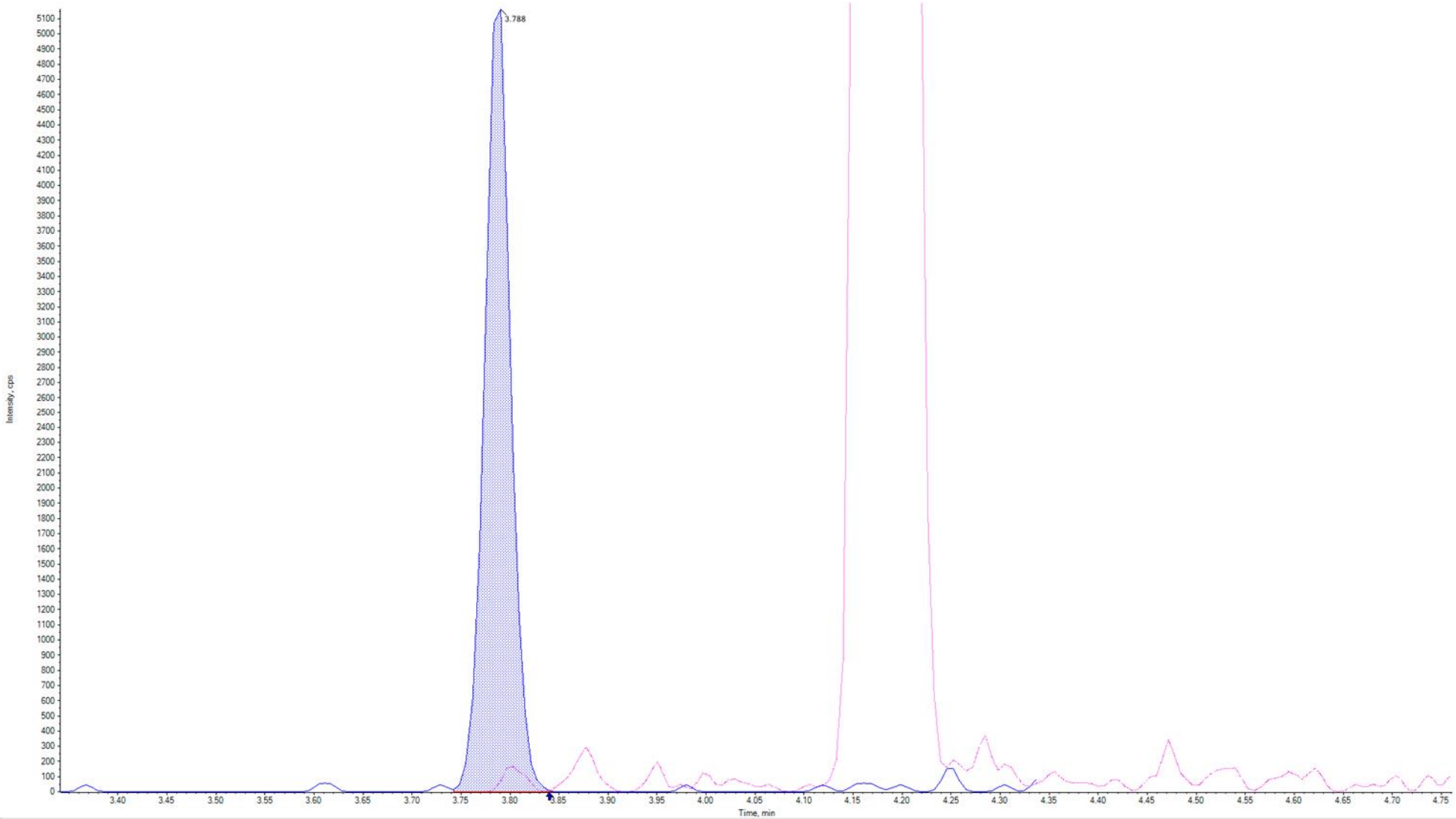
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFHpS
Sample: WG2011094-1,1633LOW S/N:356.7 Points Across peak:20



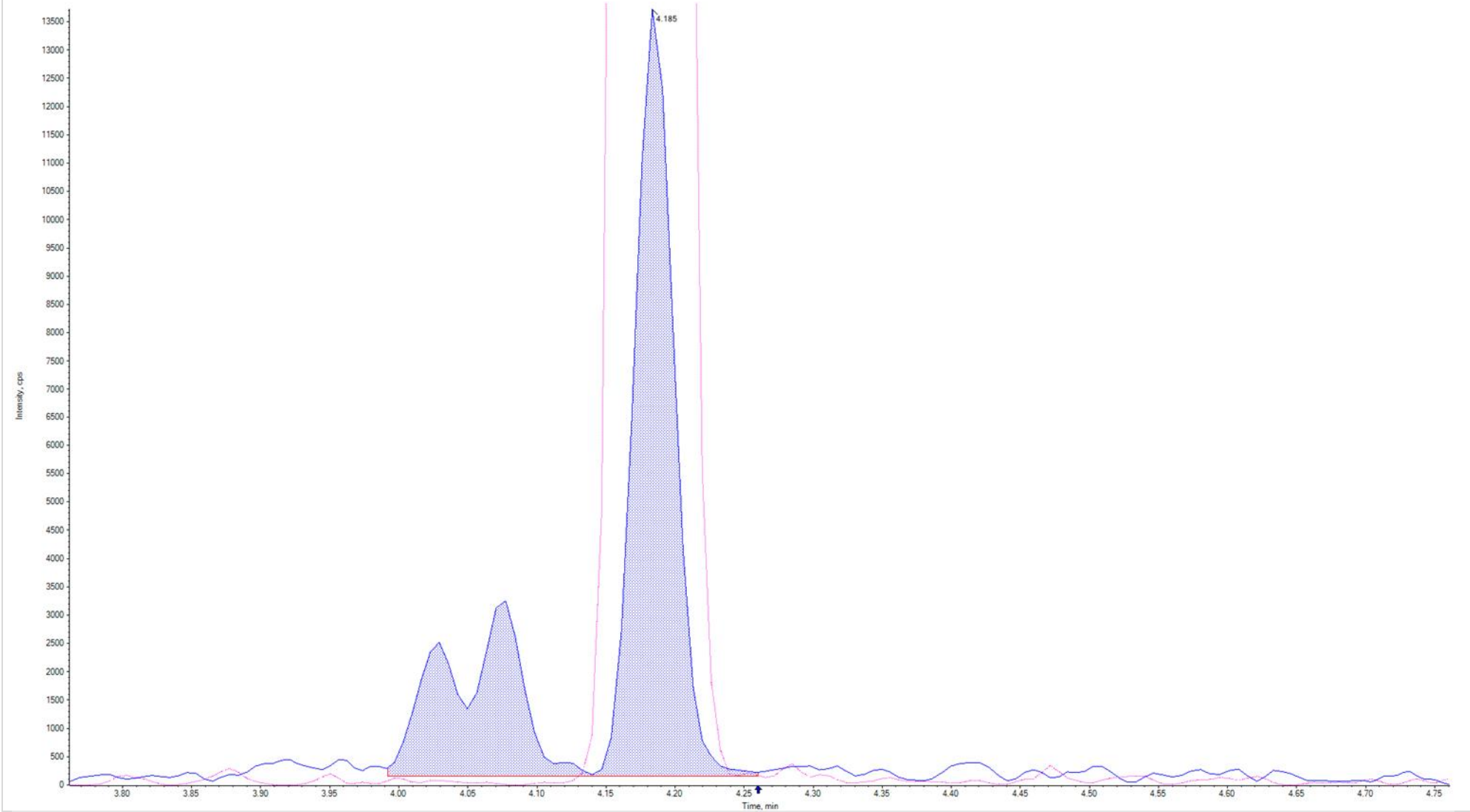
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFHpS_2
Sample: WG2011094-1,1633LOW S/N:103.5 Points Across peak:22



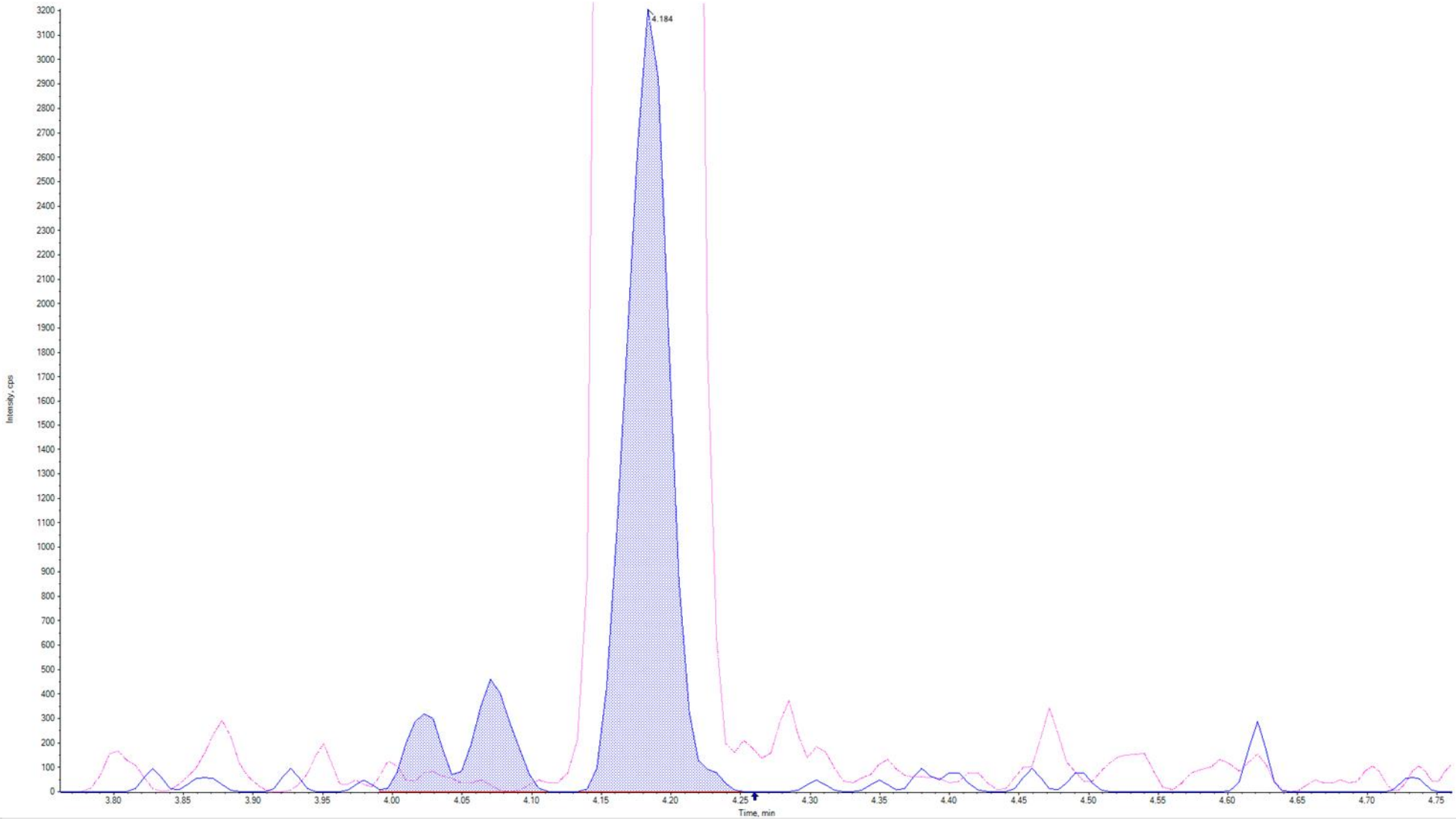
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFOS
Sample: WG2011094-1,1633LOW S/N:138.6 Points Across peak:41



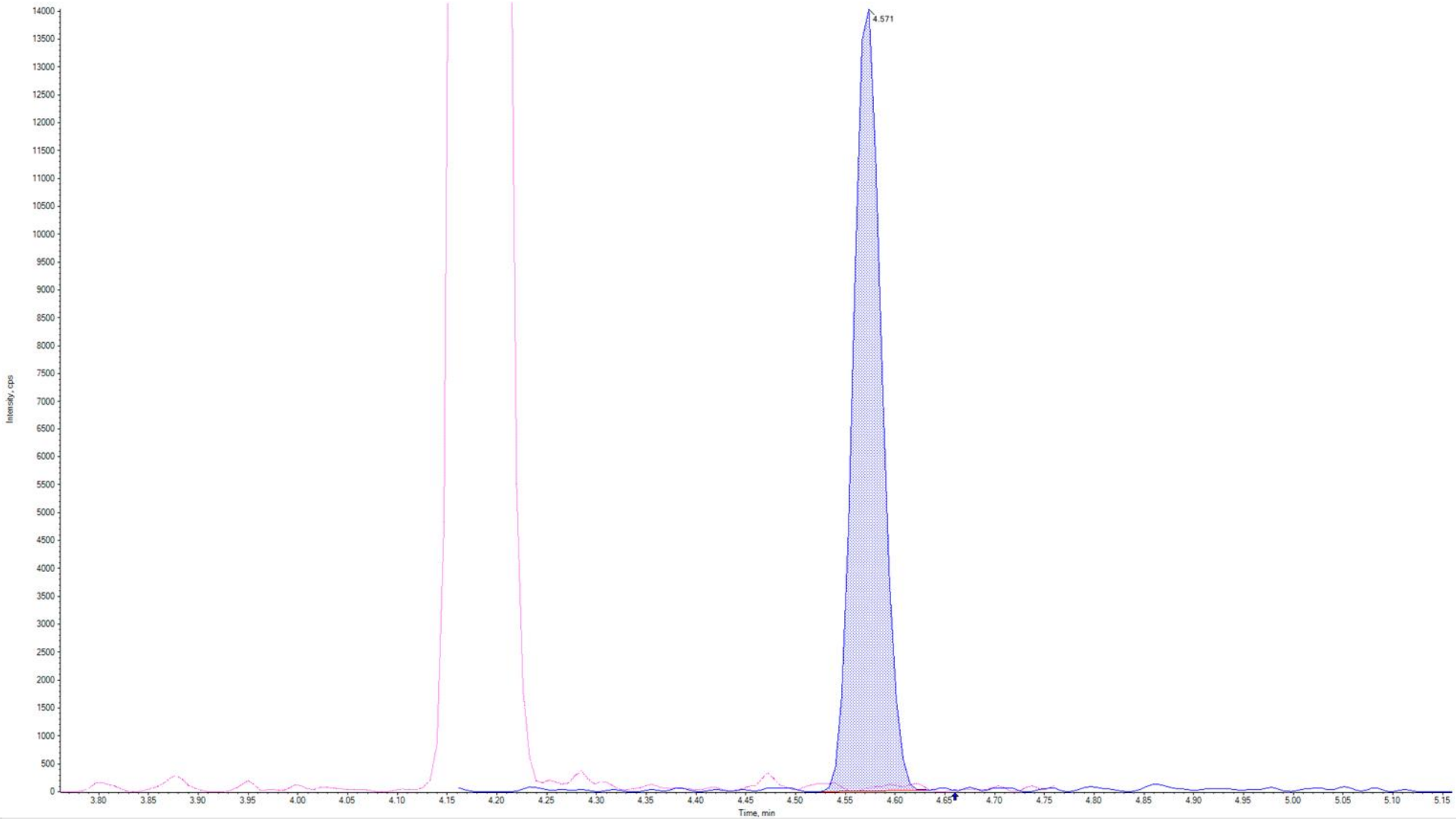
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFOS_2
Sample: WG2011094-1,1633LOW S/N:64.3 Points Across peak:40



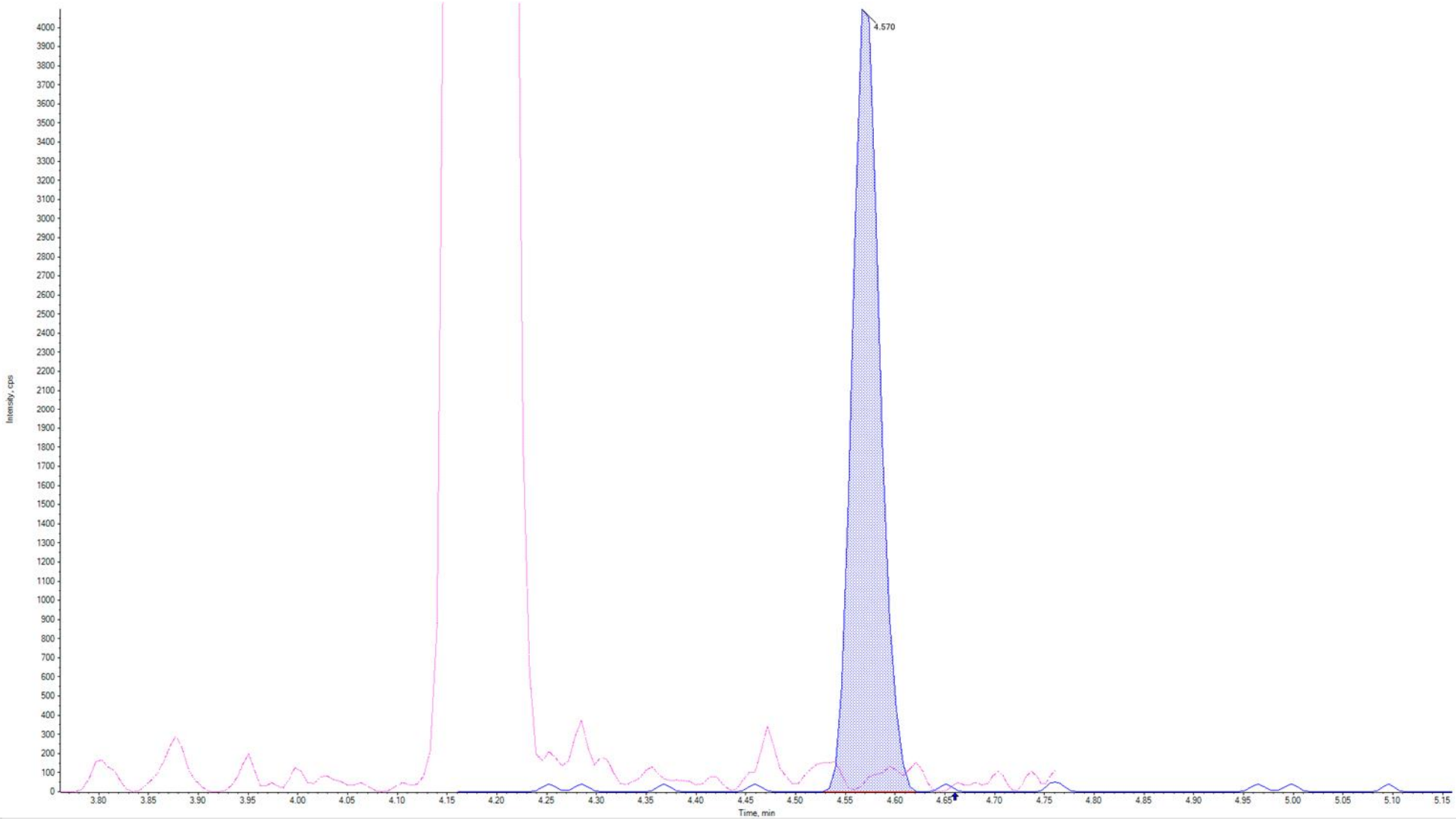
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFNS
Sample: WG2011094-1,1633LOW S/N:351.5 Points Across peak:18



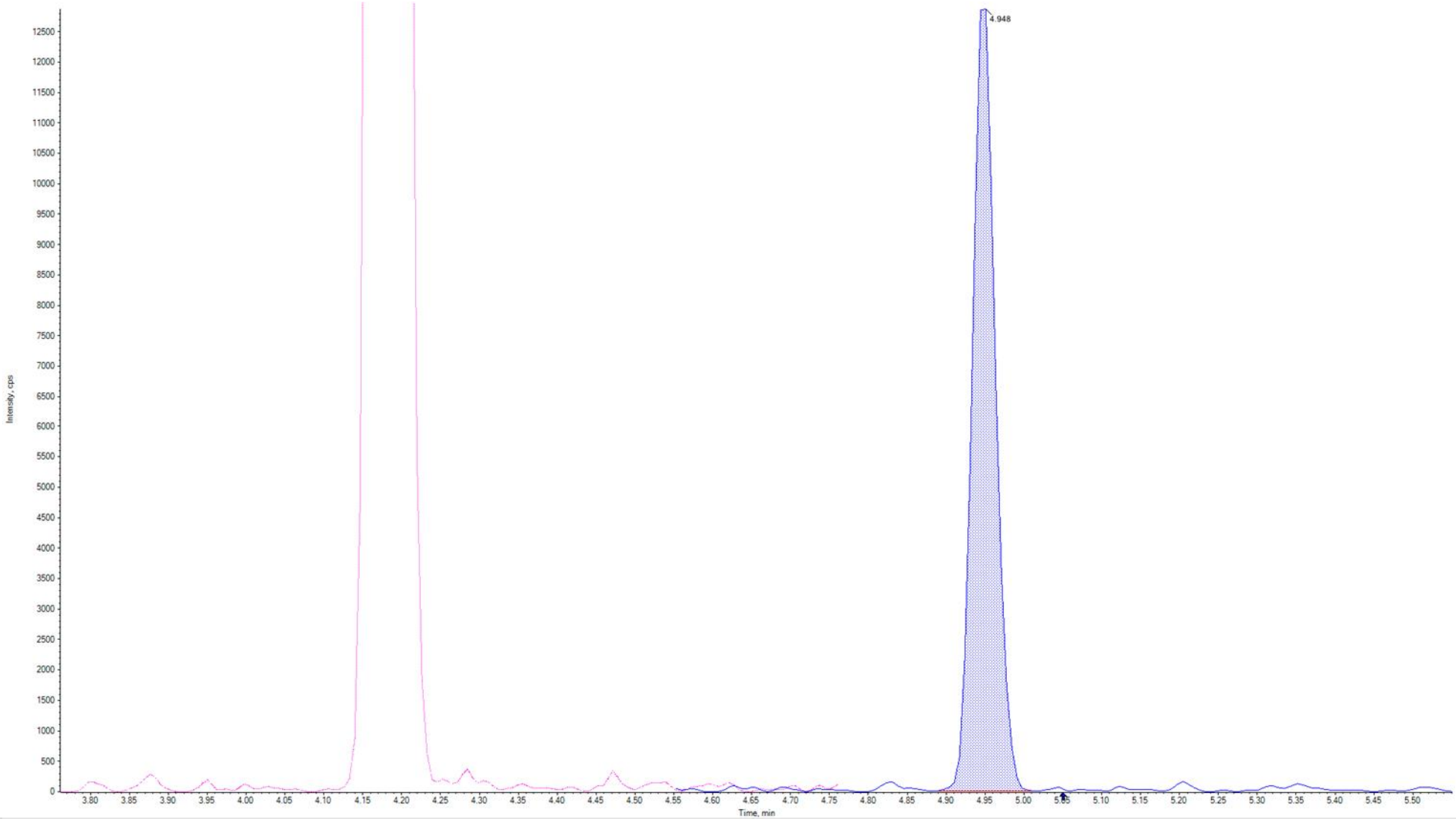
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFNS_2
Sample: WG2011094-1,1633LOW S/N:102.7 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFDS
Sample: WG2011094-1,1633LOW S/N:451.4 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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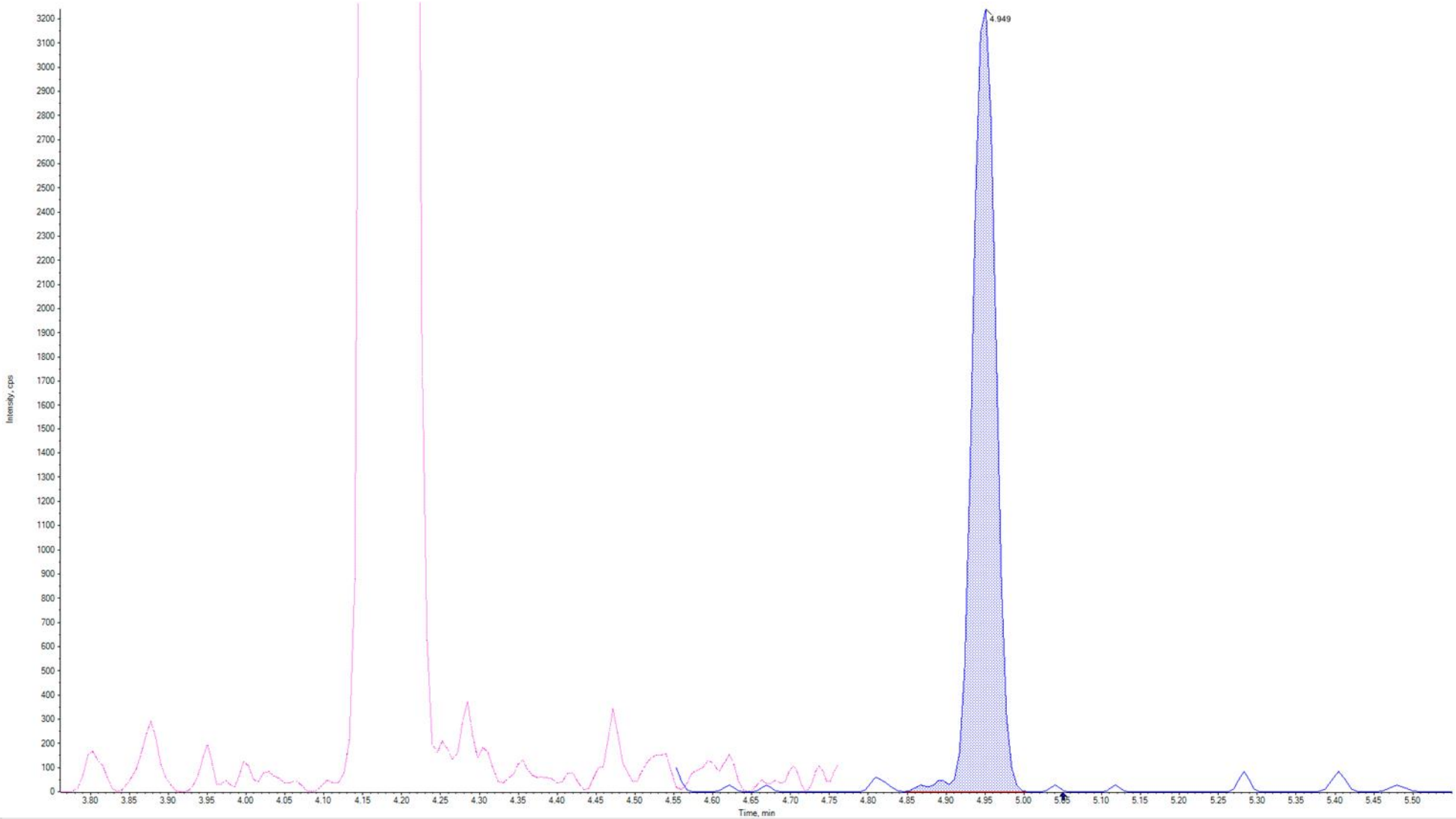
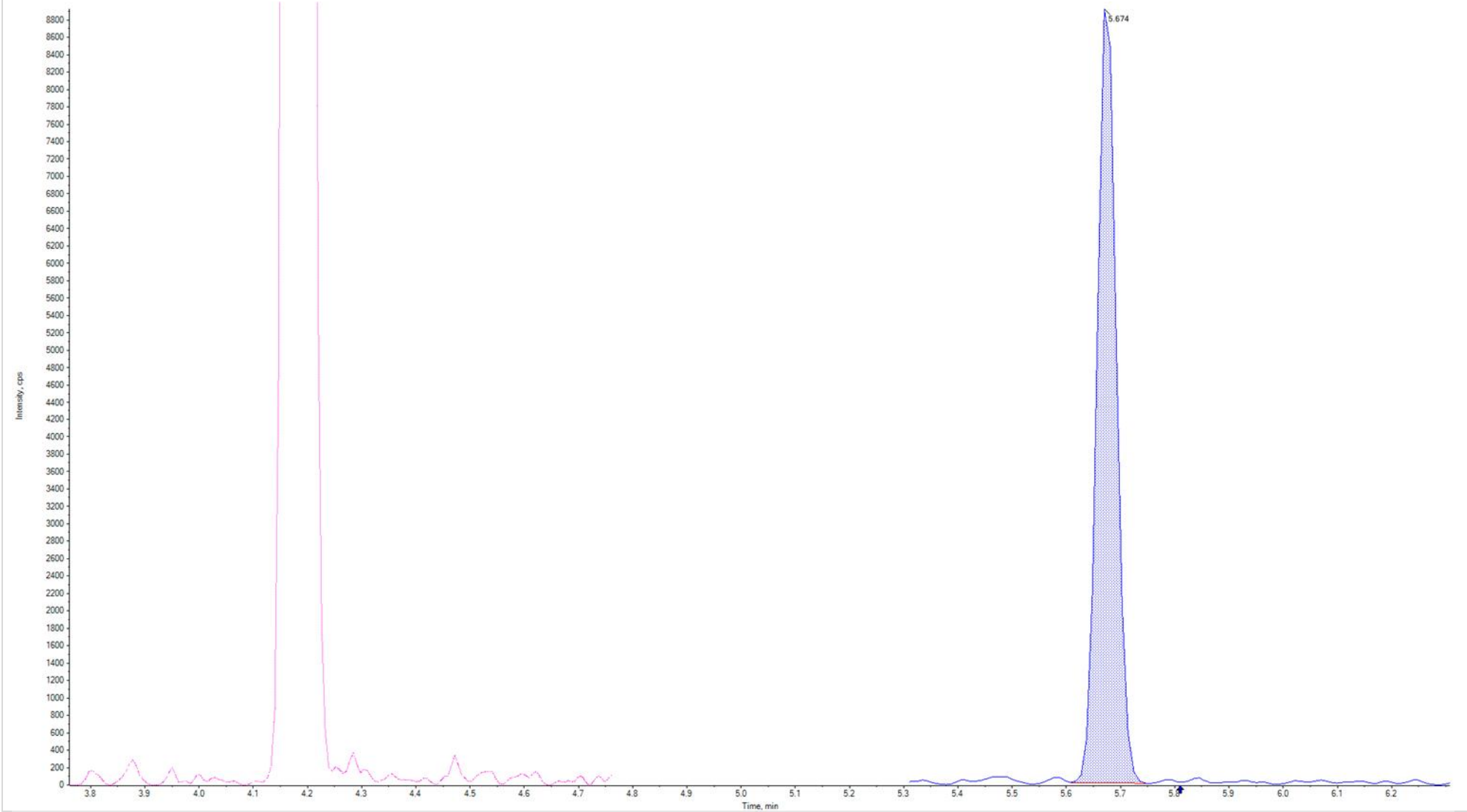
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFDS_2
Sample: WG2011094-1,1633LOW S/N:113.7 Points Across peak:26



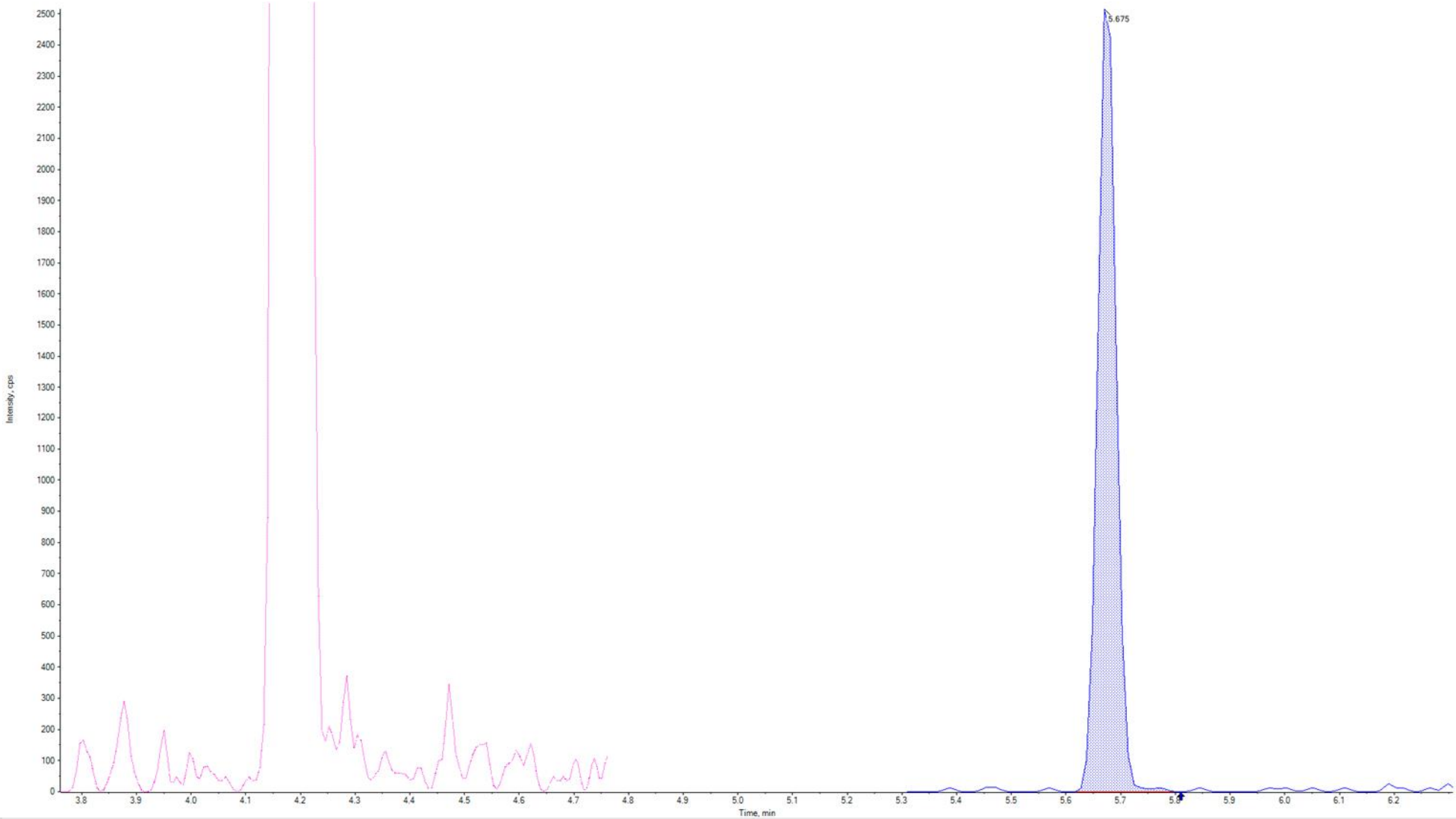
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFDoS
Sample: WG2011094-1,1633LOW S/N:691.5 Points Across peak:14



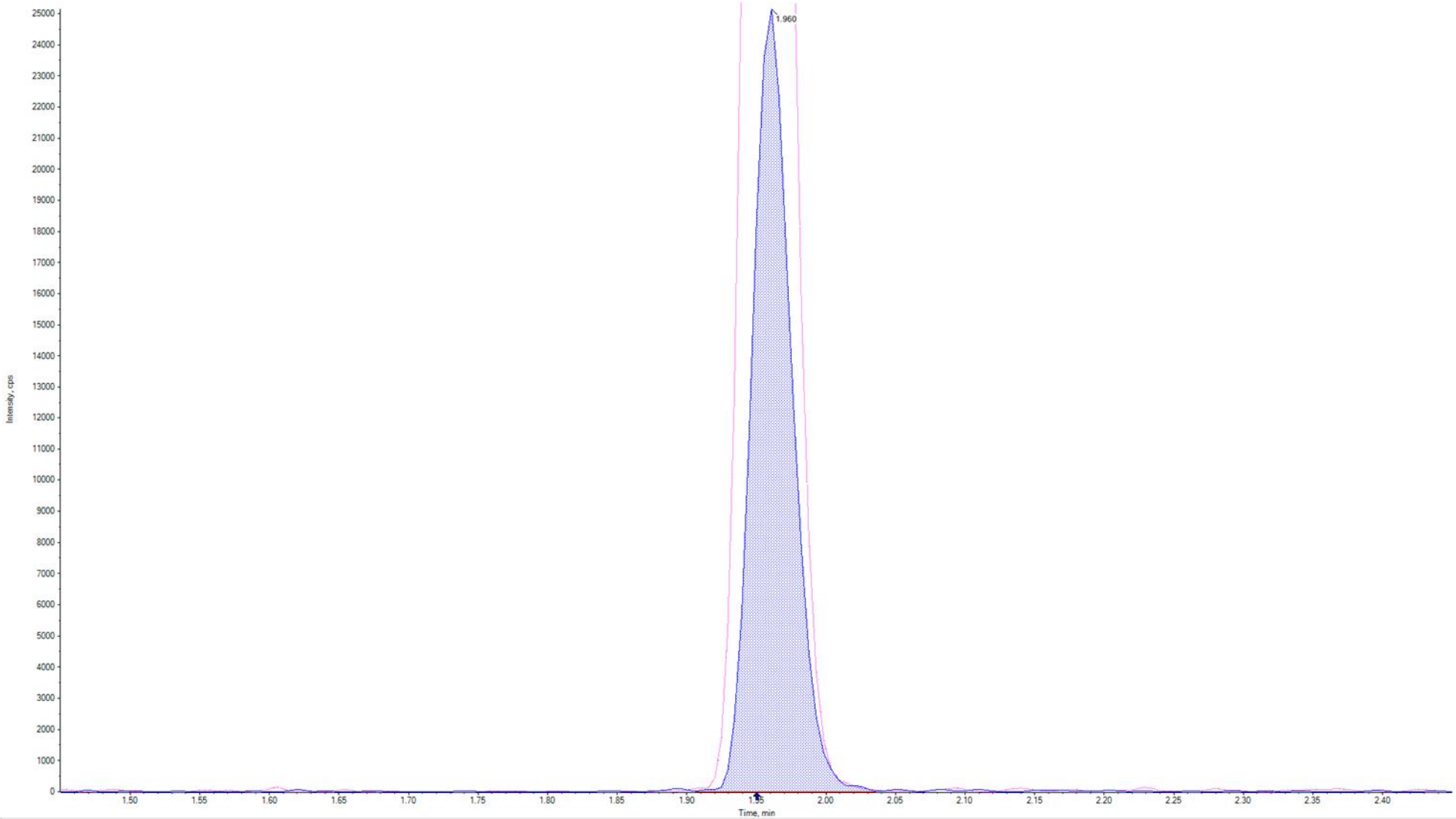
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFDoS_2
Sample: WG2011094-1,1633LOW S/N:195.4 Points Across peak:20



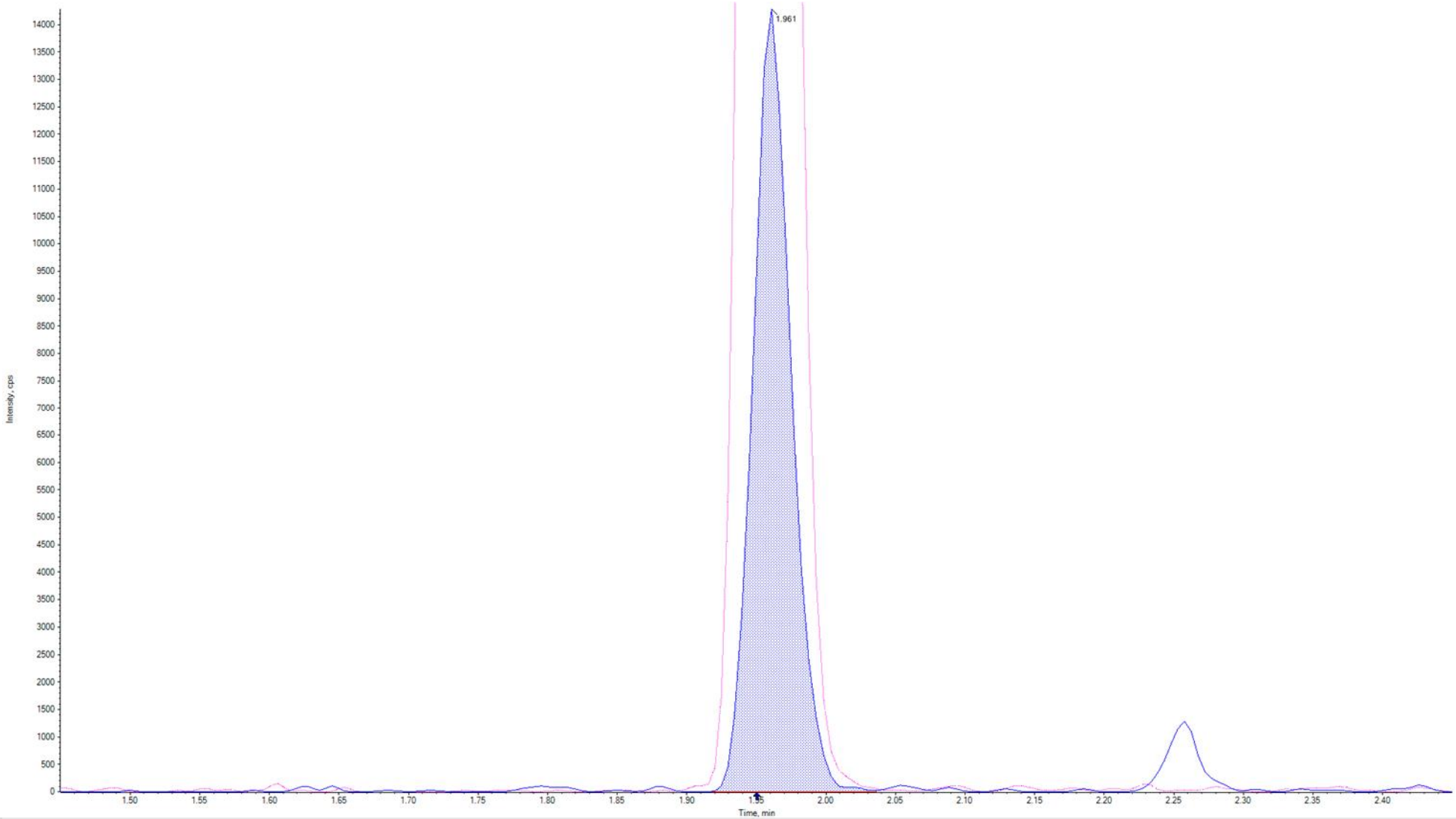
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

4:2FTS
Sample: WG2011094-1,1633LOW S/N:945.2 Points Across peak:26



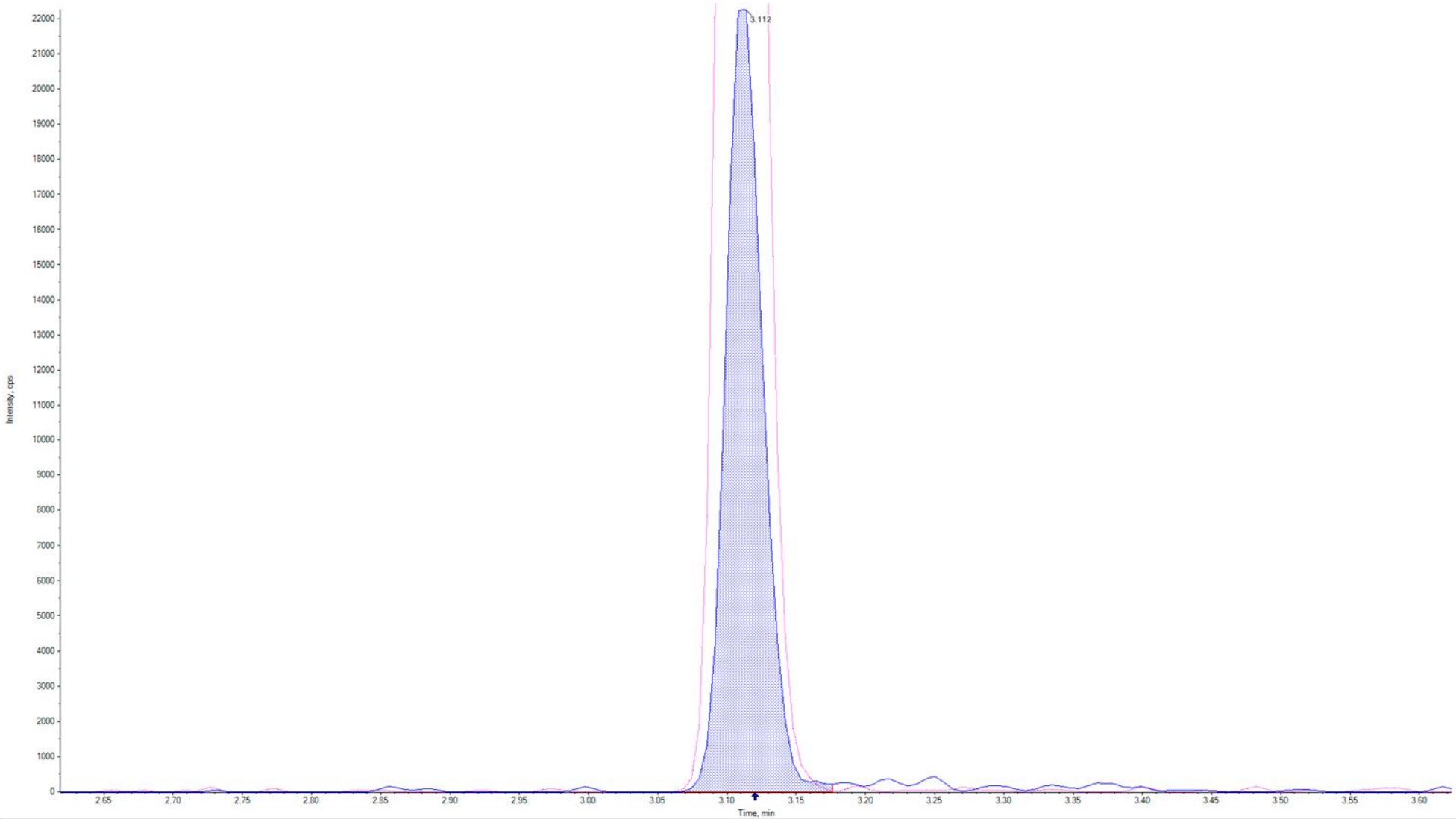
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

4:2FTS_2
Sample: WG2011094-1,1633LOW S/N:537.0 Points Across peak:26



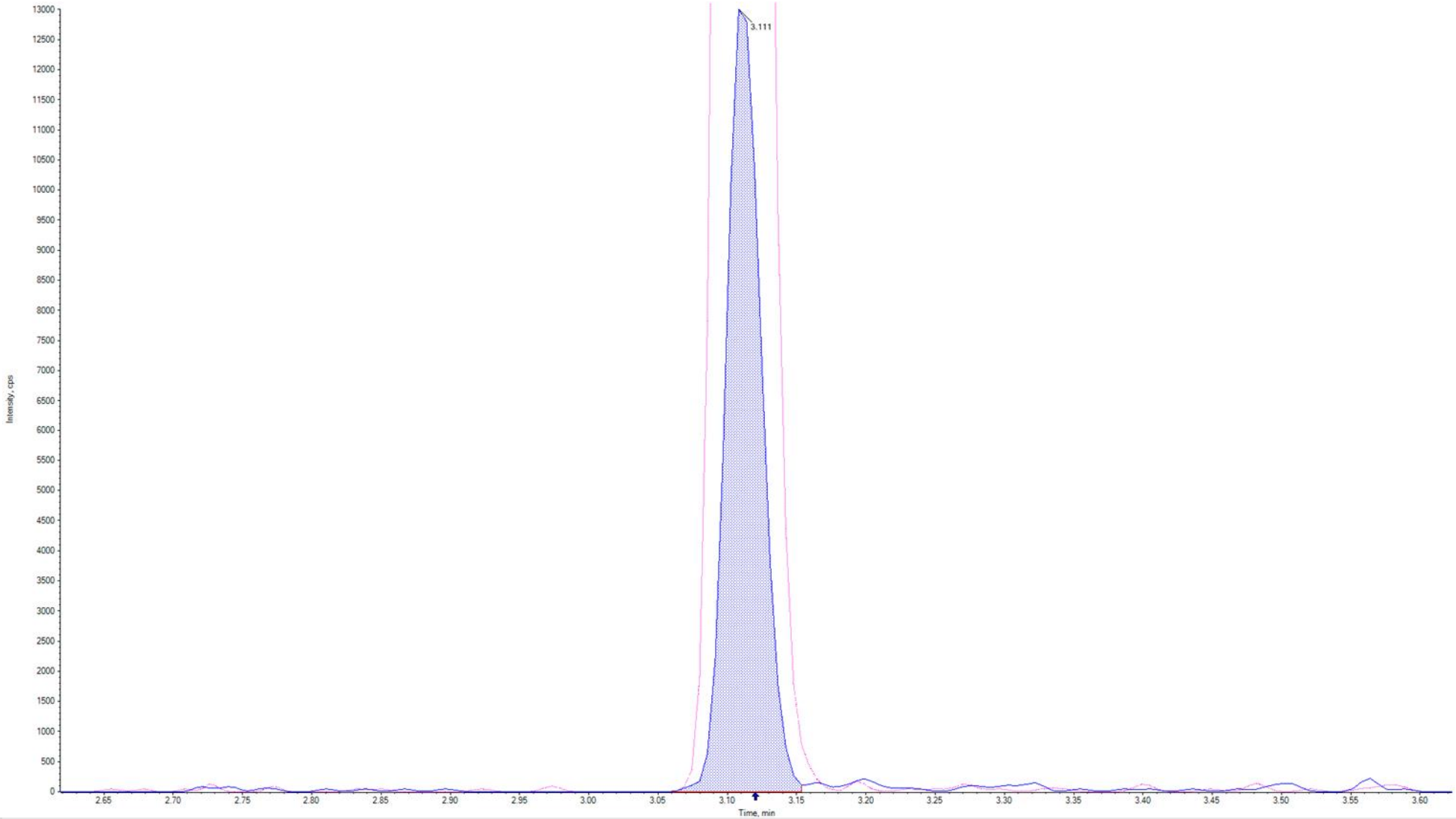
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

6:2FTS
Sample: WG2011094-1,1633LOW S/N:446.2 Points Across peak:24



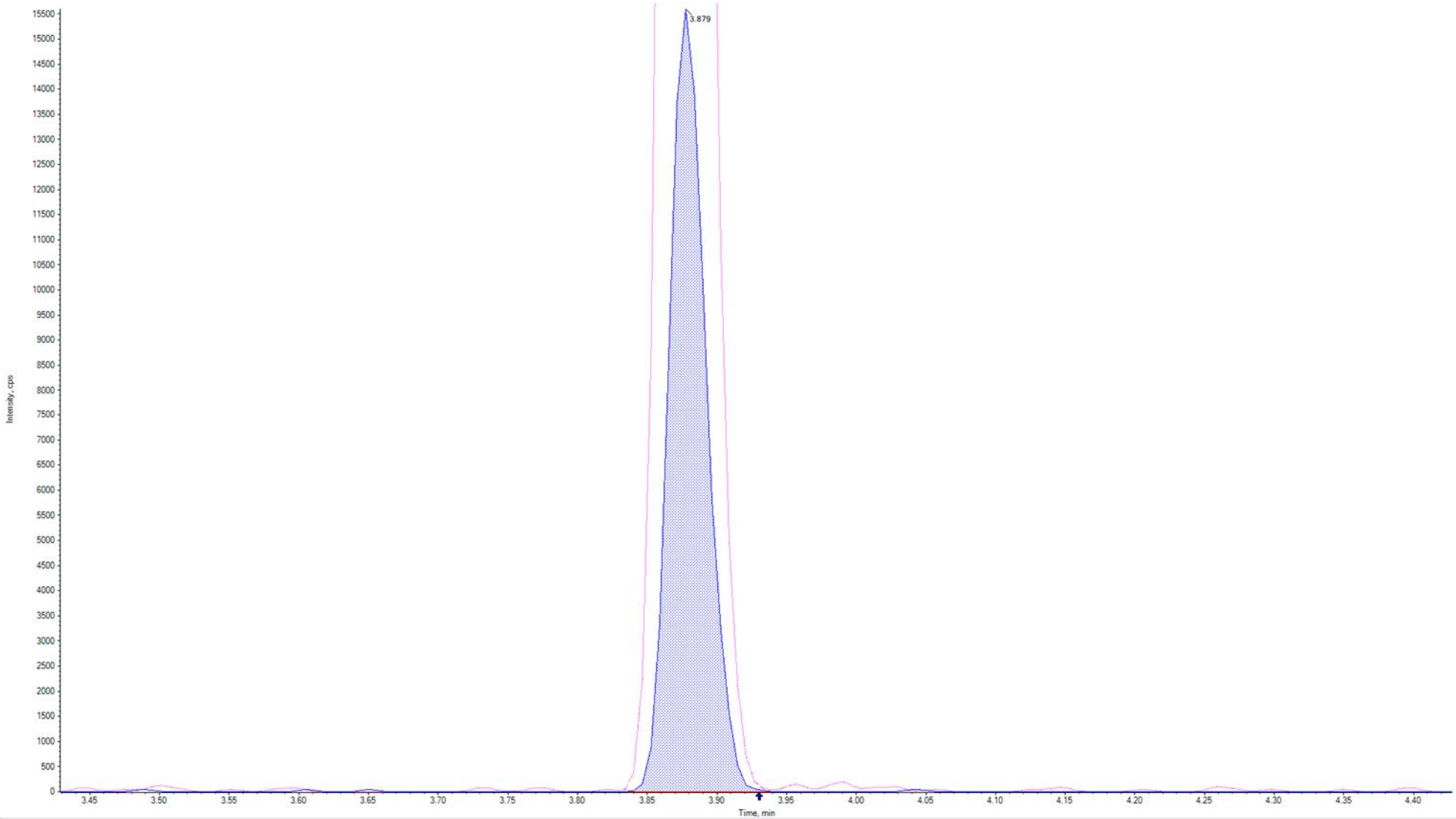
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

6:2FTS_2
Sample: WG2011094-1,1633LOW S/N:260.8 Points Across peak:19



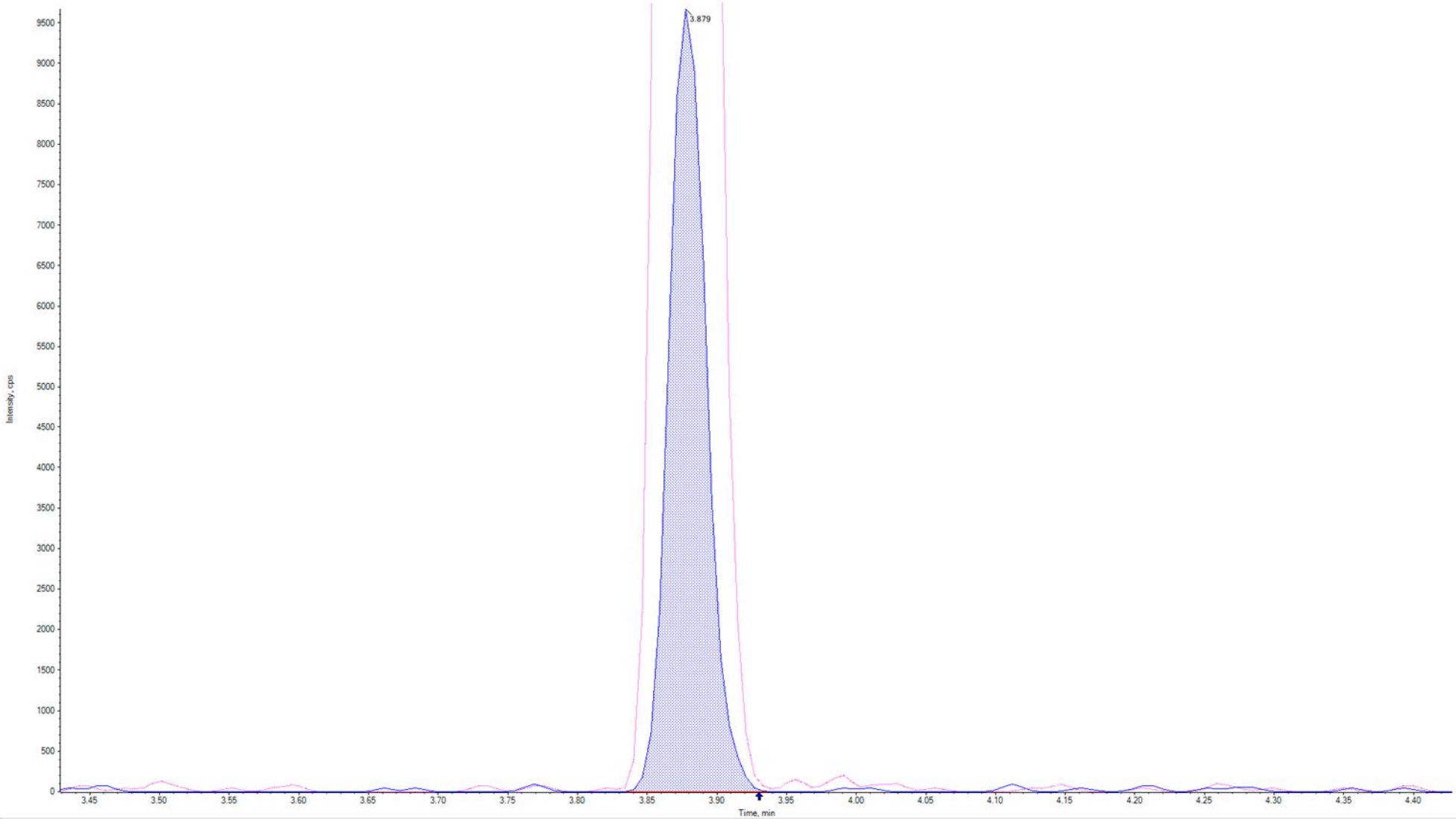
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

8:2FTS
Sample: WG2011094-1,1633LOW S/N:312.7 Points Across peak:29



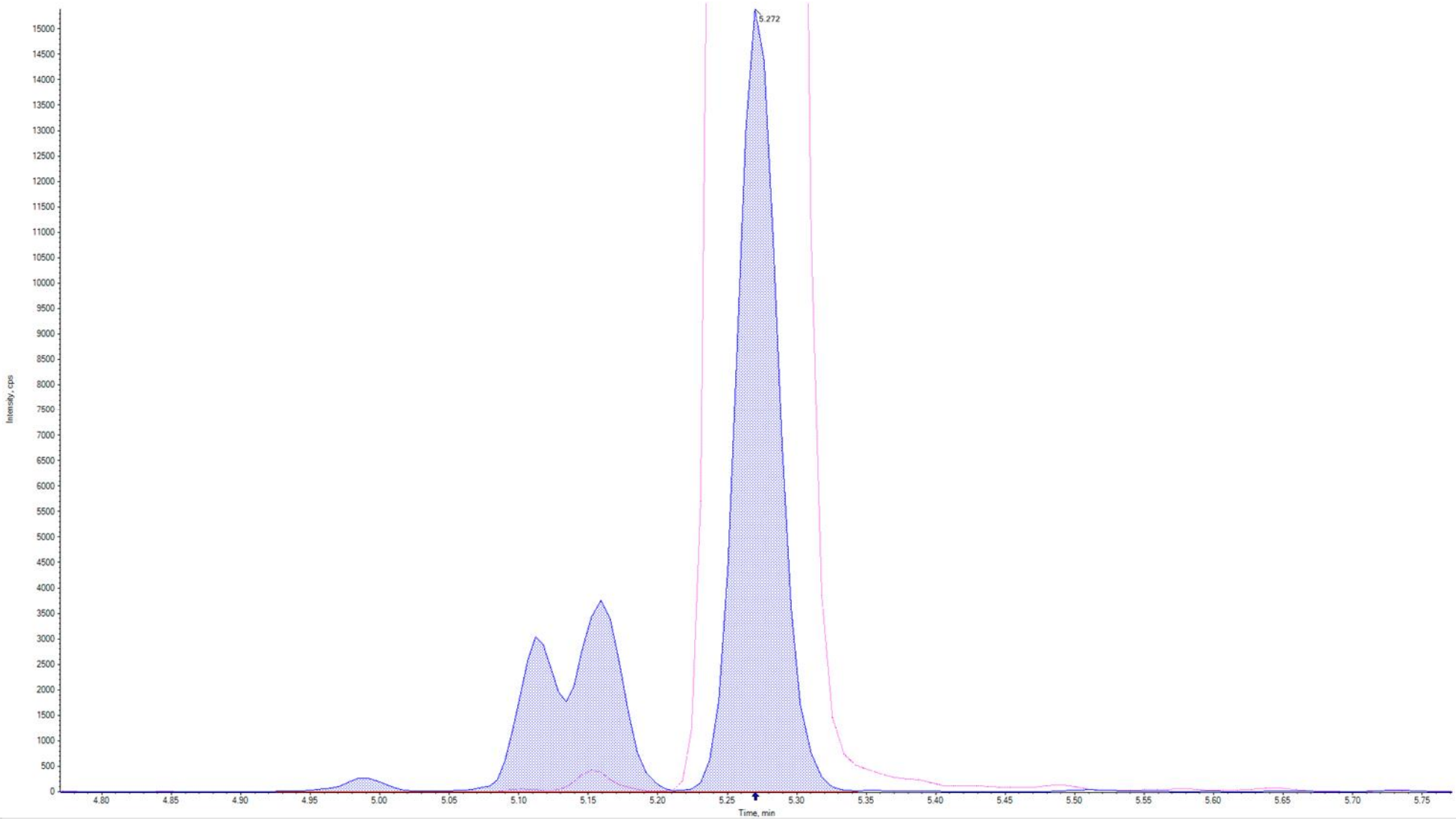
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

8:2FTS_2
Sample: WG2011094-1,1633LOW S/N:193.9 Points Across peak:25



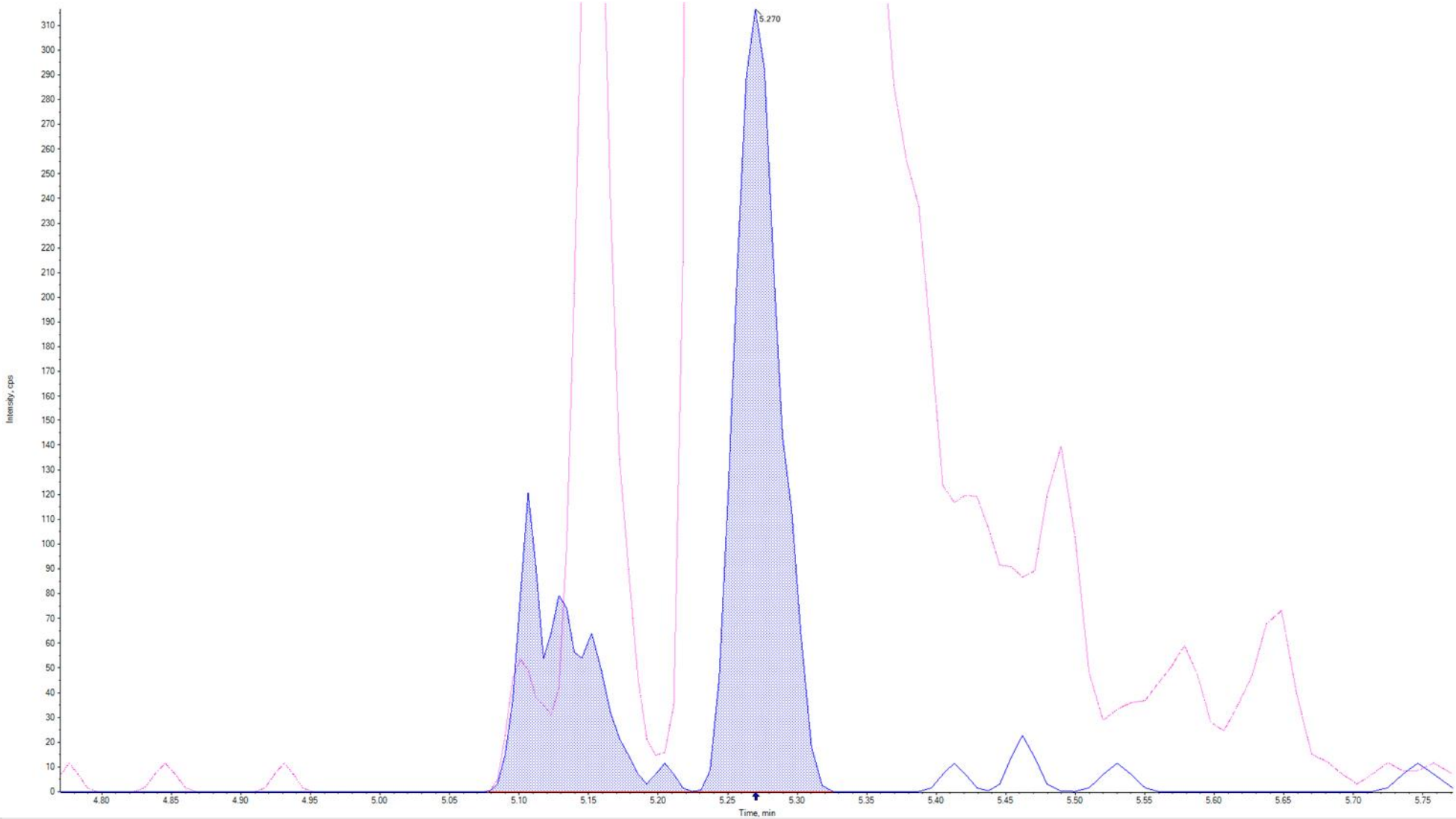
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFOSA
Sample: WG2011094-1,1633LOW S/N:235.4 Points Across peak:70



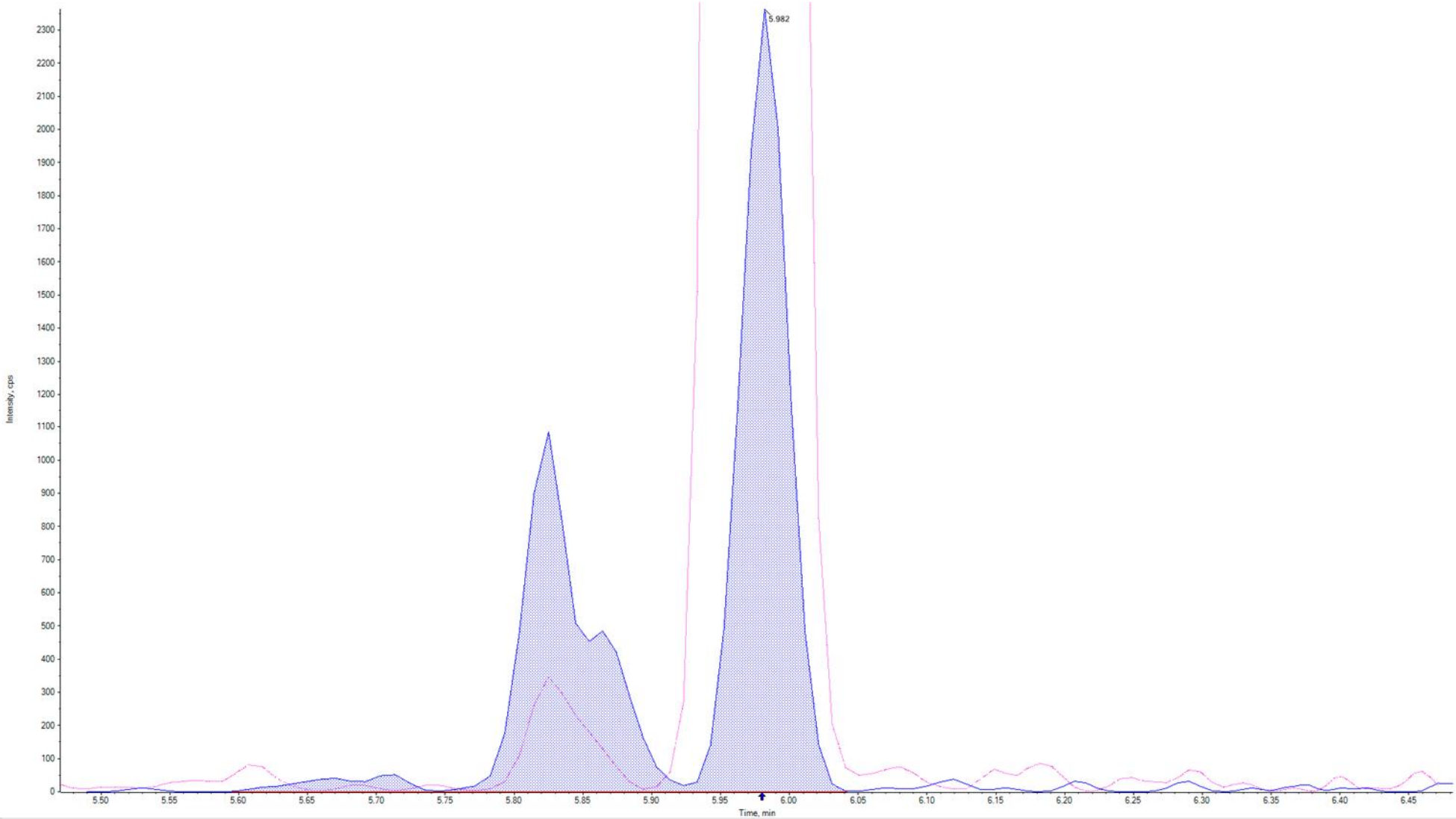
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFOSA_2
Sample: WG2011094-1,1633LOW S/N:27.8 Points Across peak:42



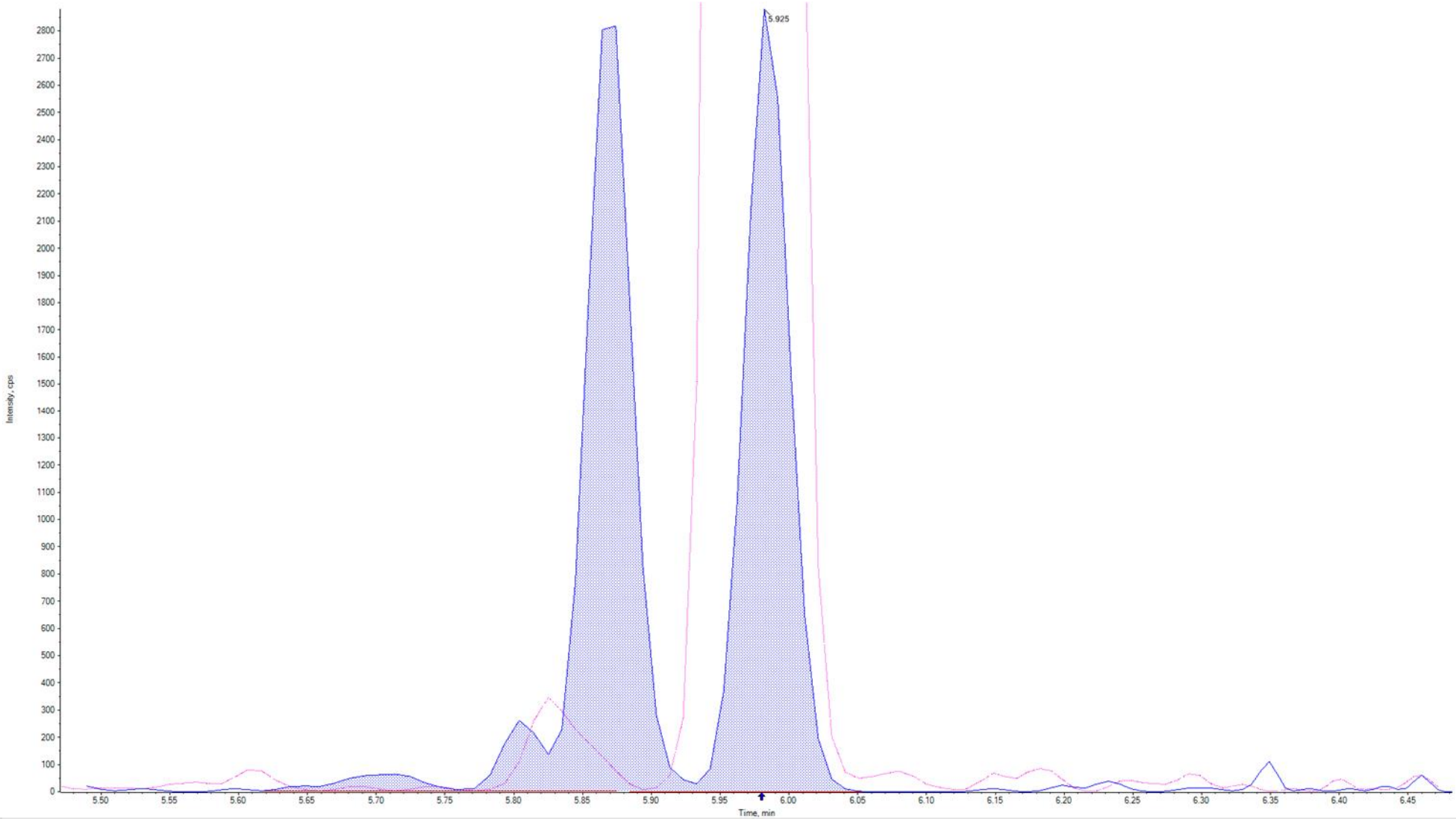
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

NMeFOSA
Sample: WG2011094-1,1633LOW S/N:135.7 Points Across peak:46



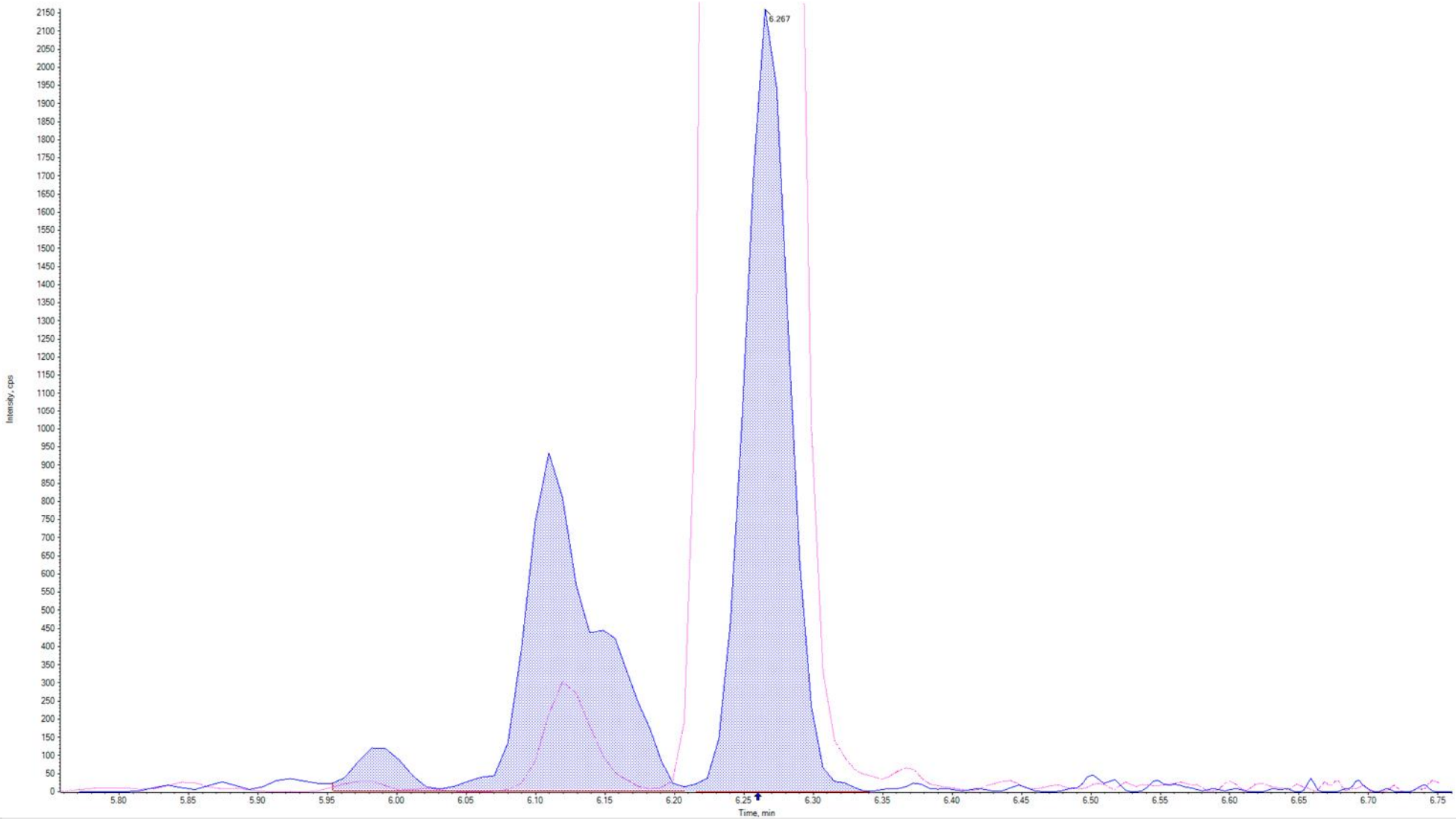
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

NMeFOSA_2
Sample: WG2011094-1,1633LOW S/N:97.1 Points Across peak:44



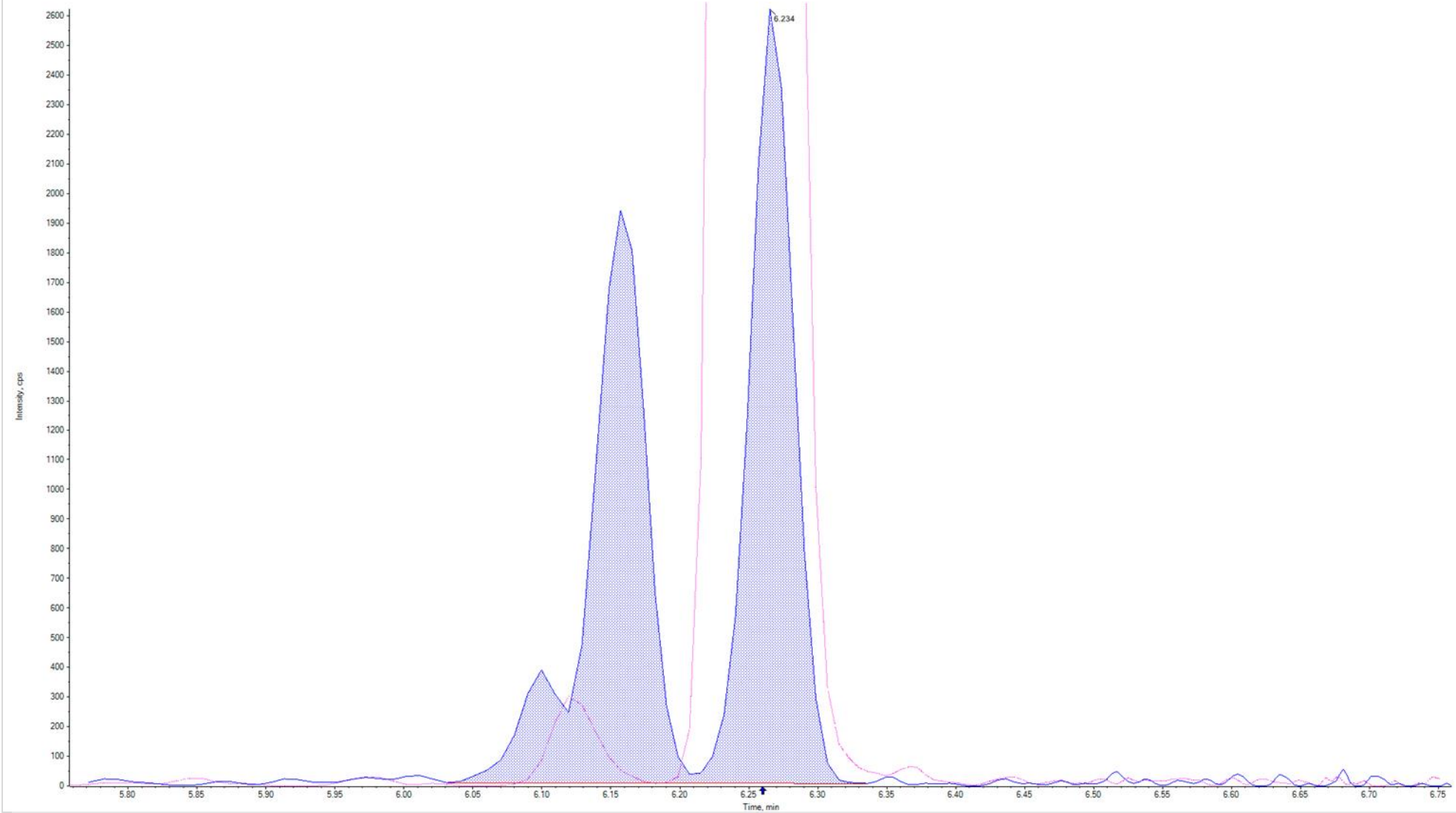
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

NEtFOSA
Sample: WG2011094-1,1633LOW S/N:216.0 Points Across peak:45



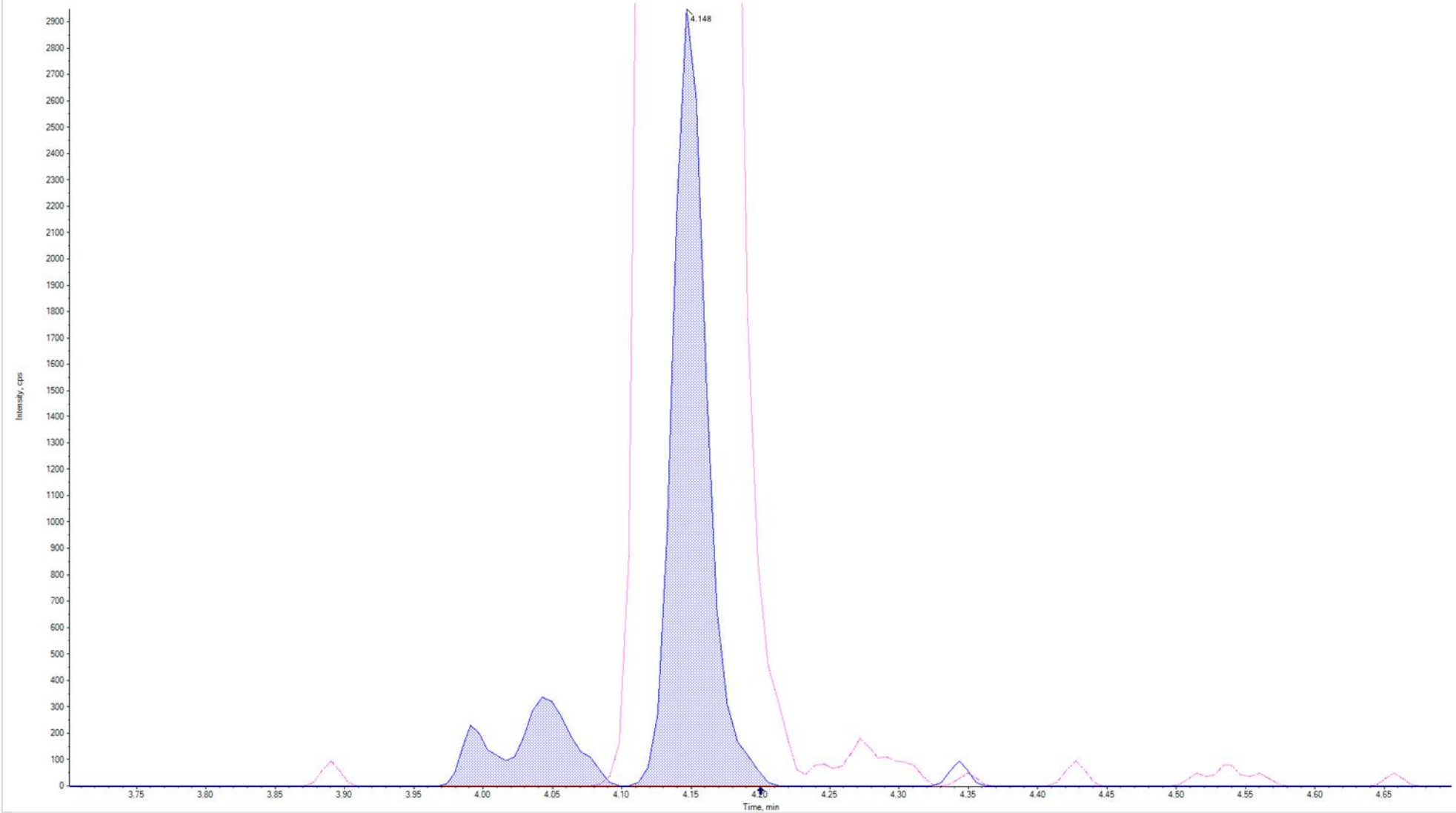
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

NEtFOSA_2
Sample: WG2011094-1,1633LOW S/N:245.3 Points Across peak:36



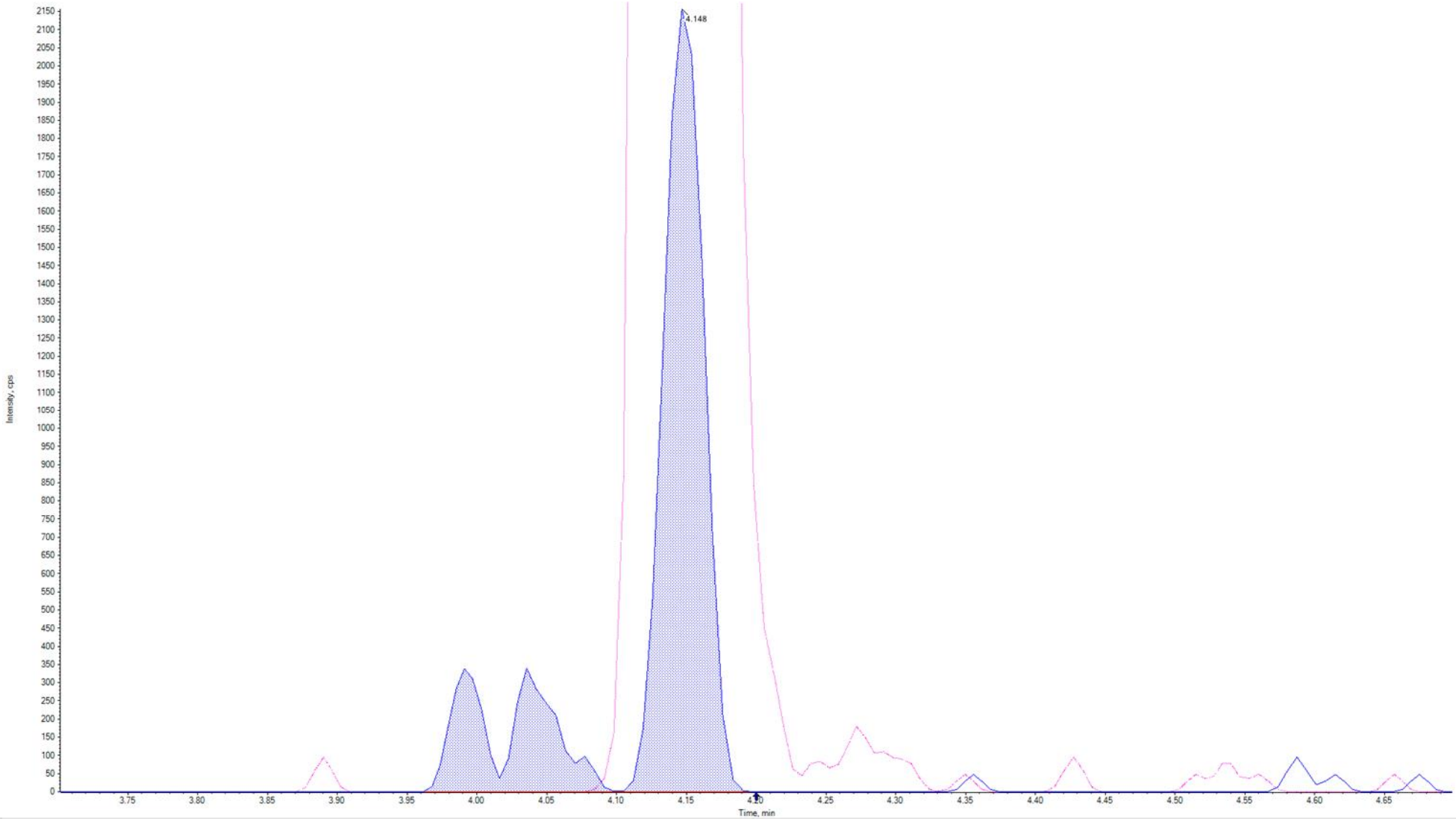
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

NMeFOSAA
Sample: WG2011094-1,1633LOW S/N:59.1 Points Across peak:47



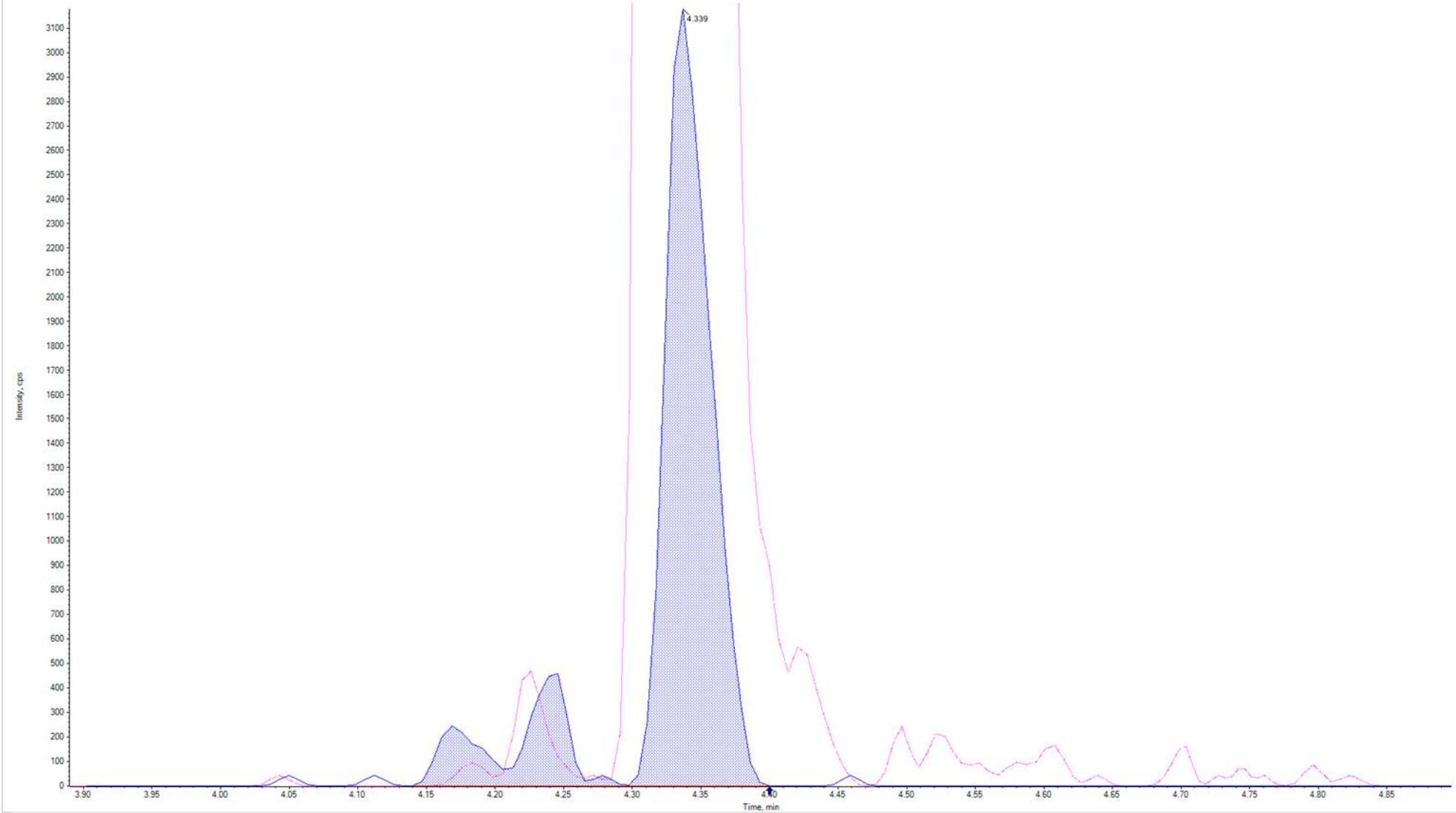
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

NMeFOSAA_2
Sample: WG2011094-1,1633LOW S/N:43.2 Points Across peak:38



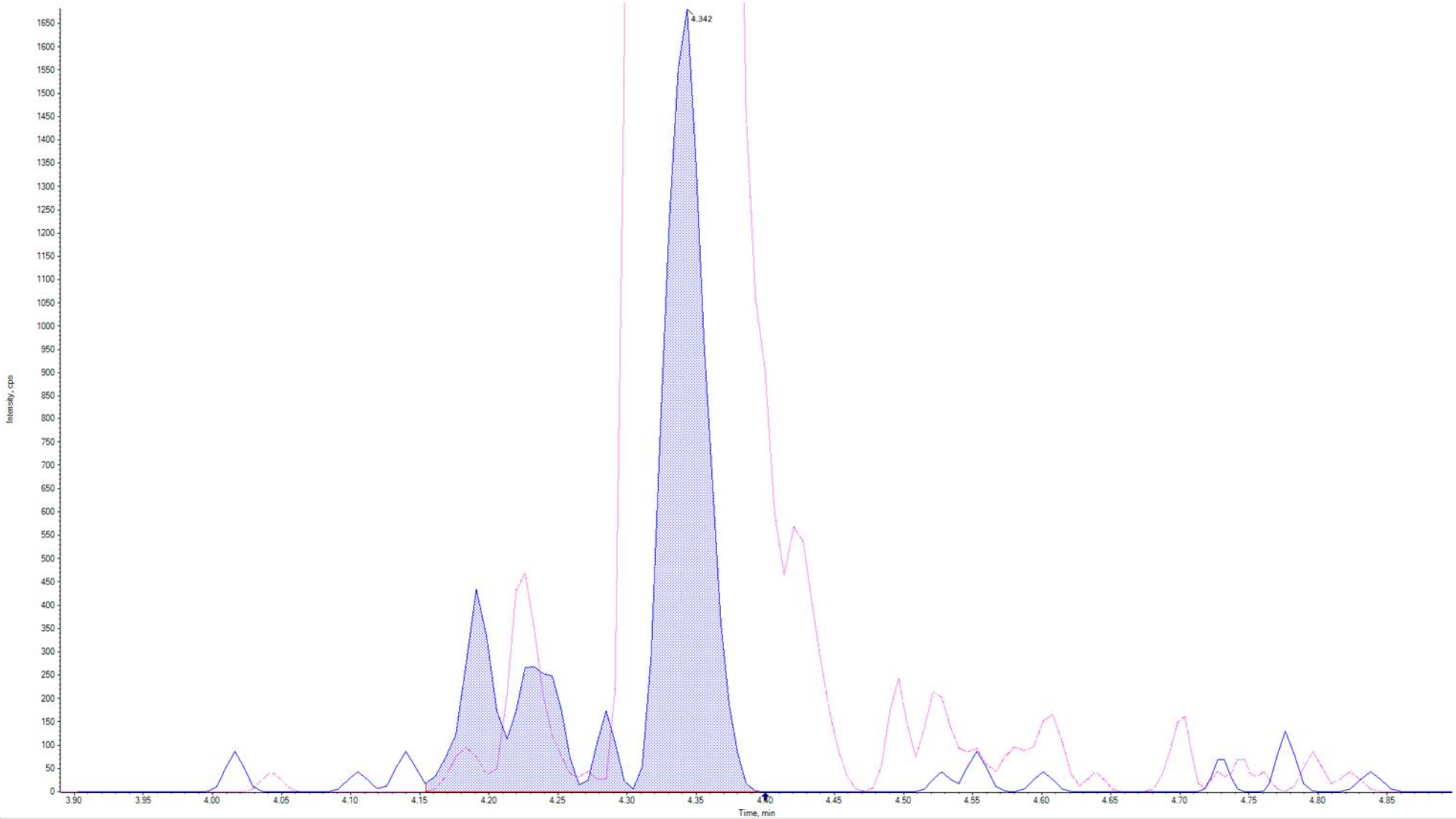
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

NEtFOSAA
Sample: WG2011094-1,1633LOW S/N:71.7 Points Across peak:43



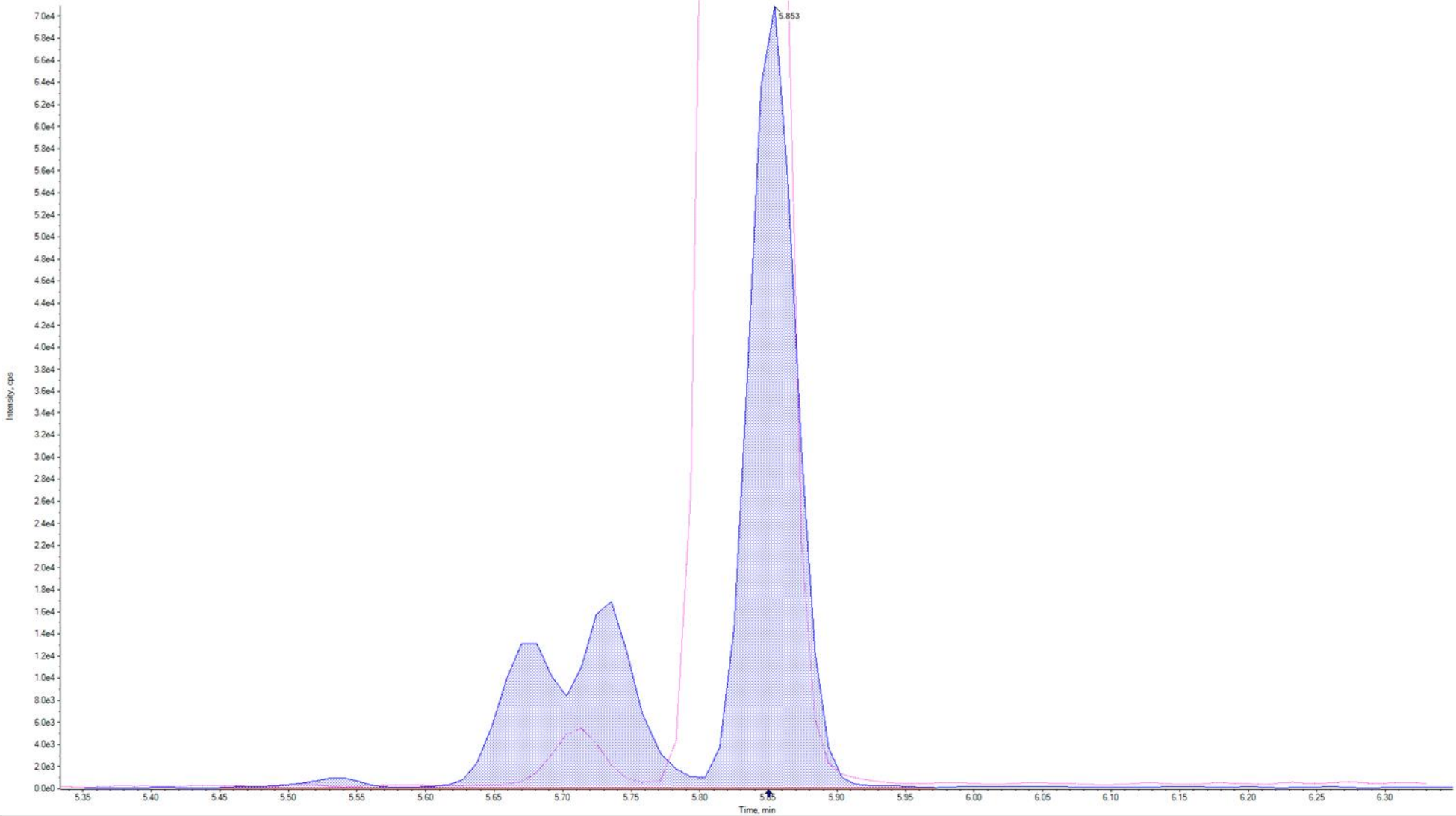
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

NEtFOSAA_2
Sample: WG2011094-1,1633LOW S/N:37.9 Points Across peak:38



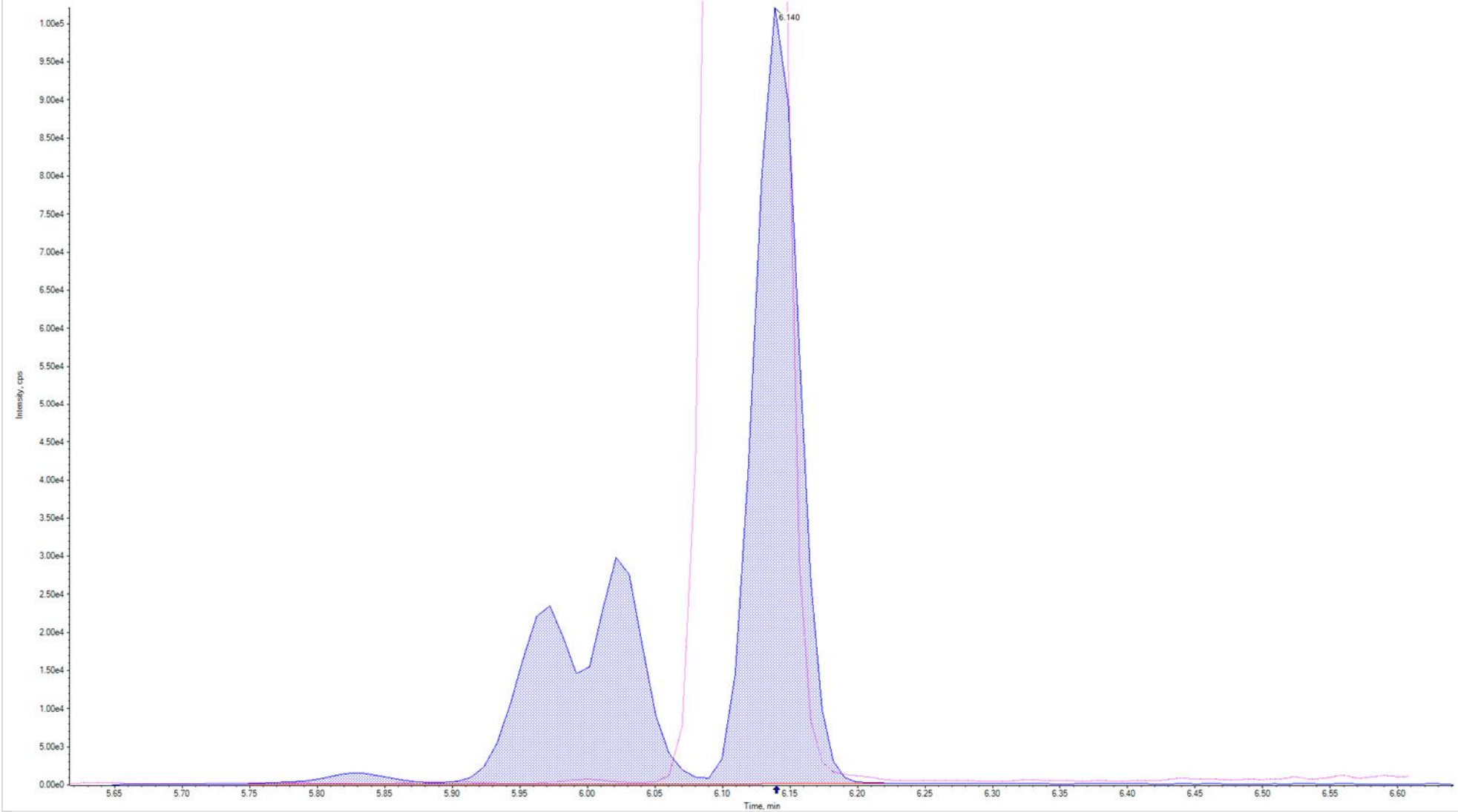
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

NMeFOSE
Sample: WG2011094-1,1633LOW S/N:241.0 Points Across peak:55

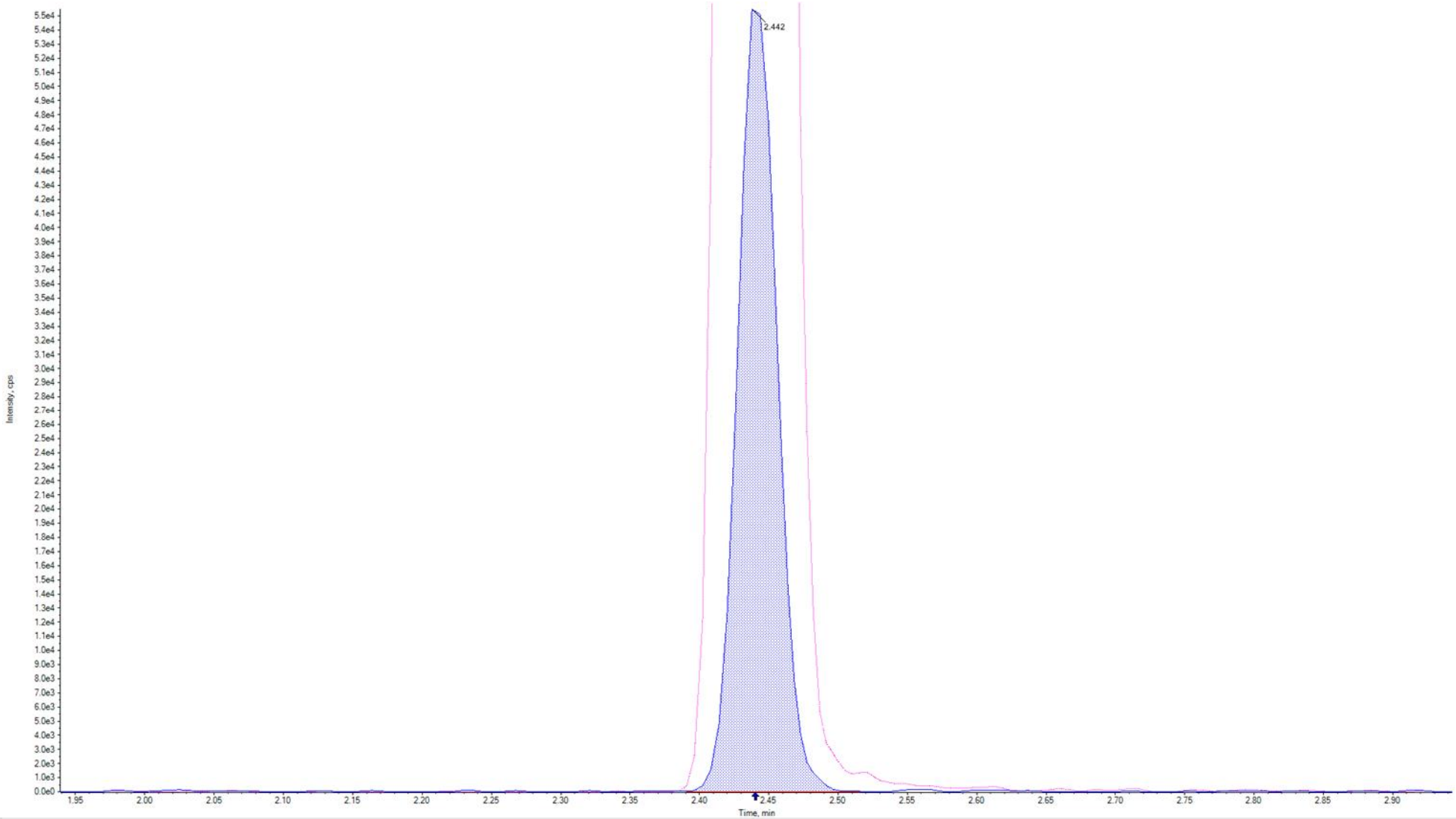


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

NEtFOSE
Sample: WG2011094-1,1633LOW S/N:394.2 Points Across peak:54

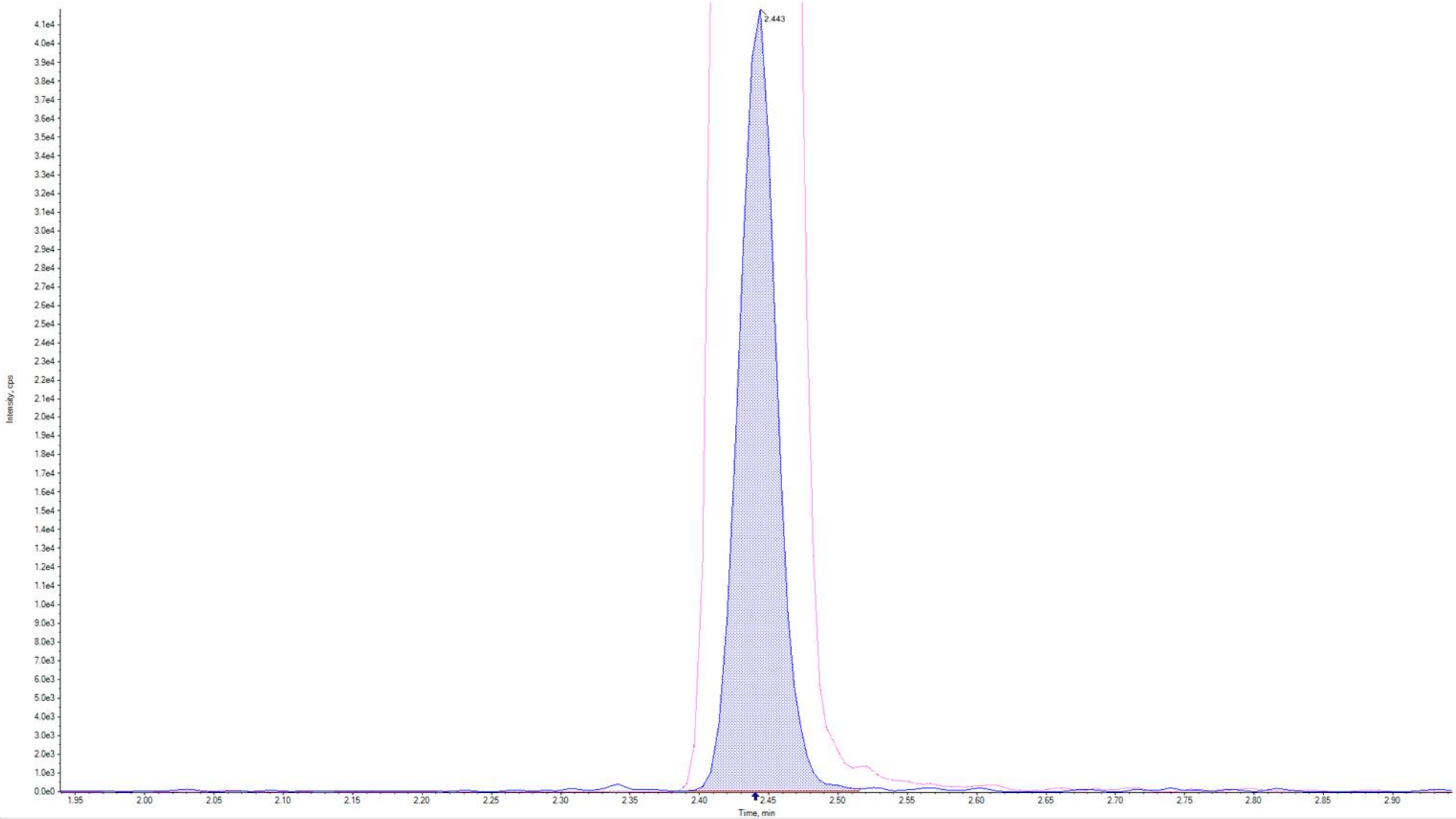


HFPO-DA
Sample: WG2011094-1,1633LOW S/N:1251.5 Points Across peak:27



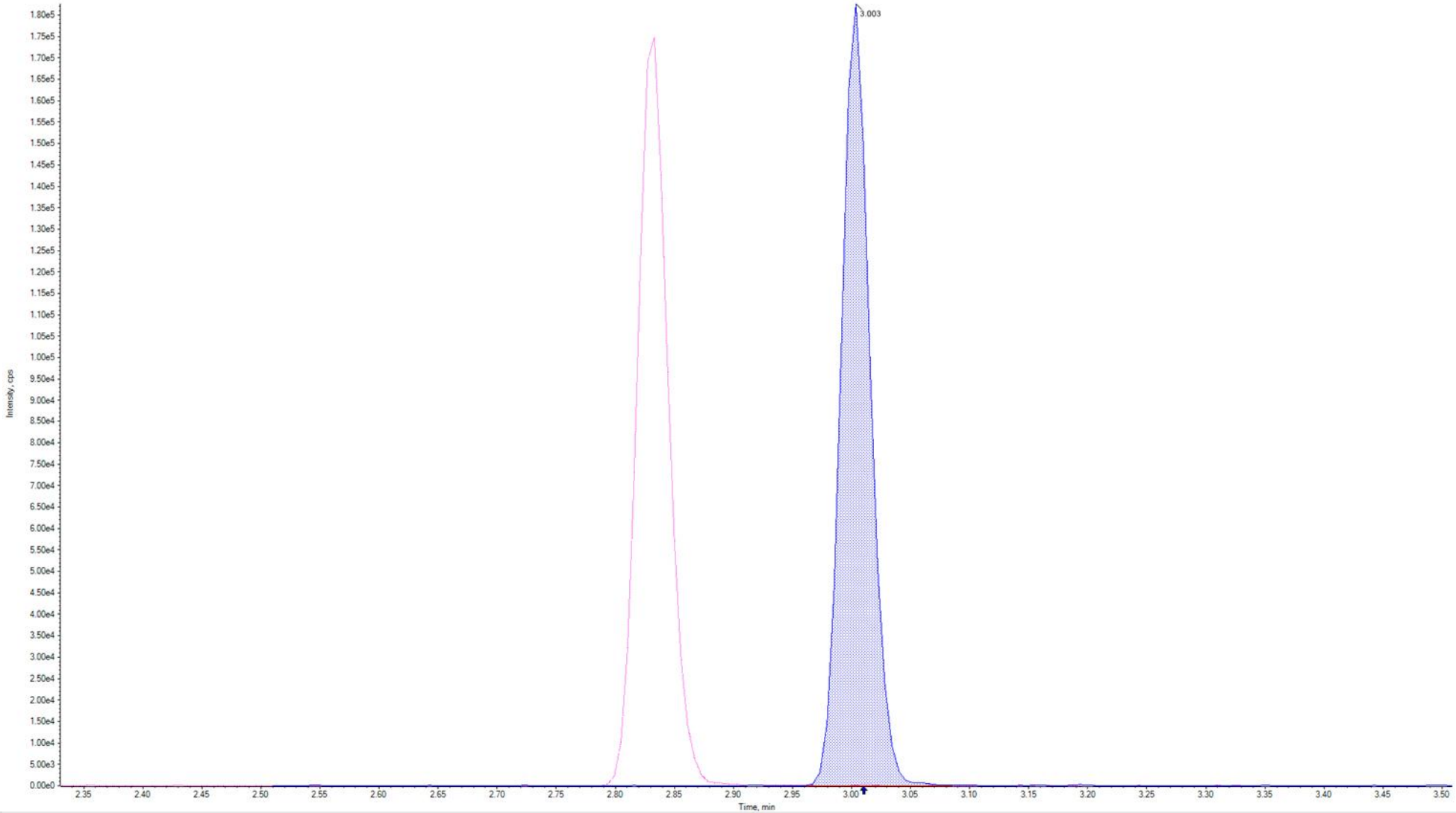
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

HFPO-DA_2
Sample: WG2011094-1,1633LOW S/N:943.1 Points Across peak:26



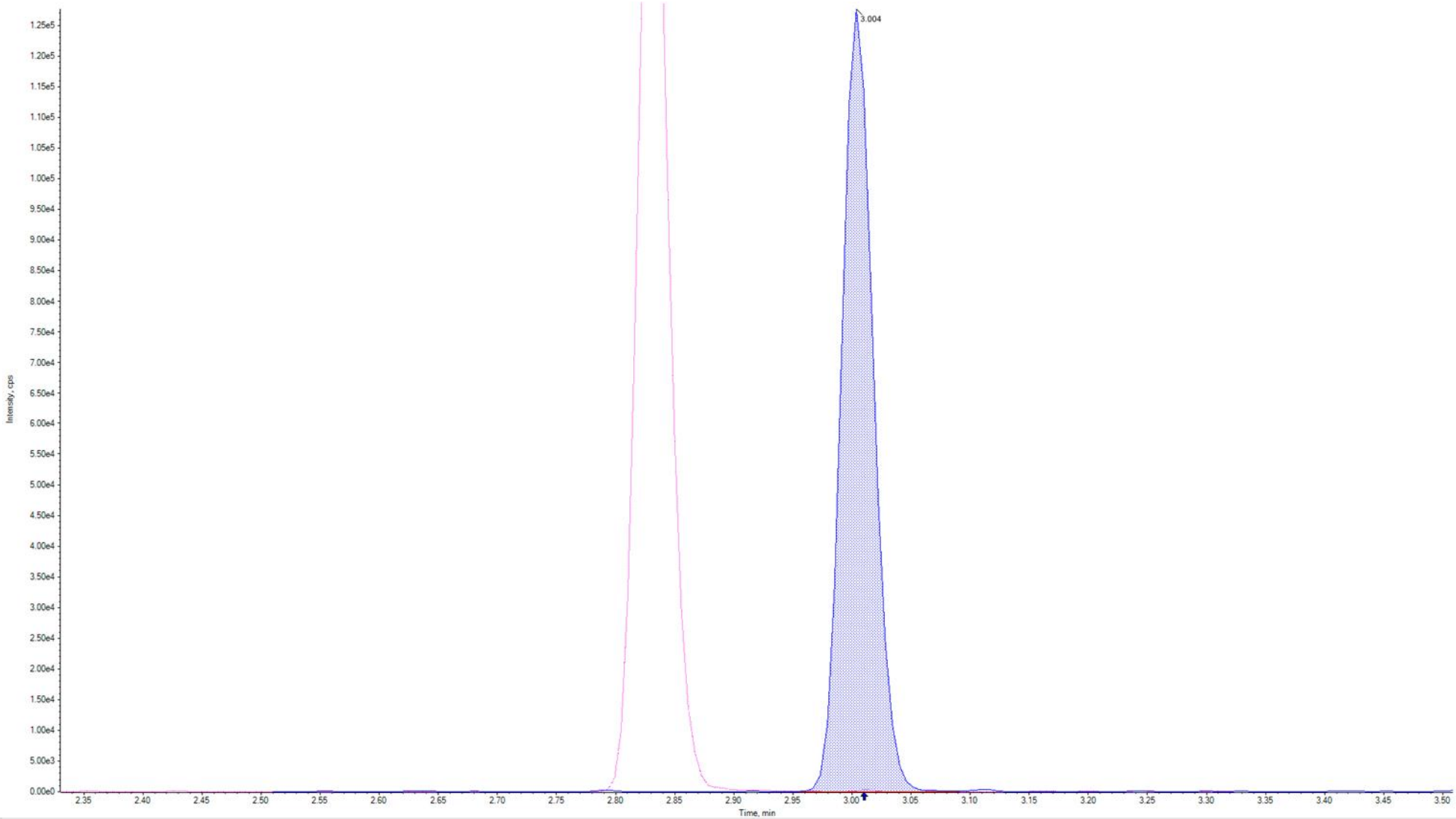
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

ADONA
Sample: WG2011094-1,1633LOW S/N:3661.8 Points Across peak:23



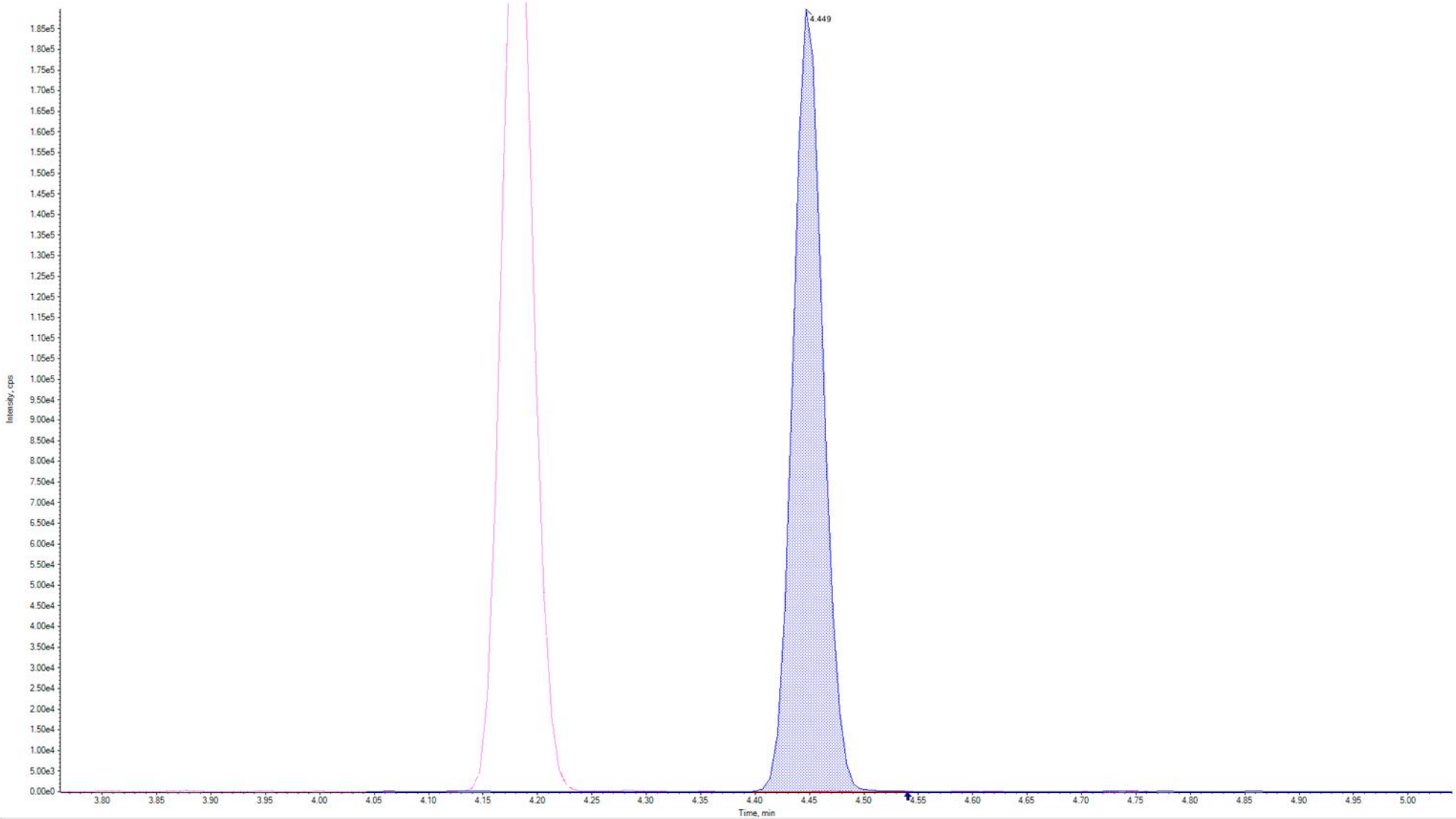
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

ADONA_2
Sample: WG2011094-1,1633LOW S/N:2496.8 Points Across peak:25



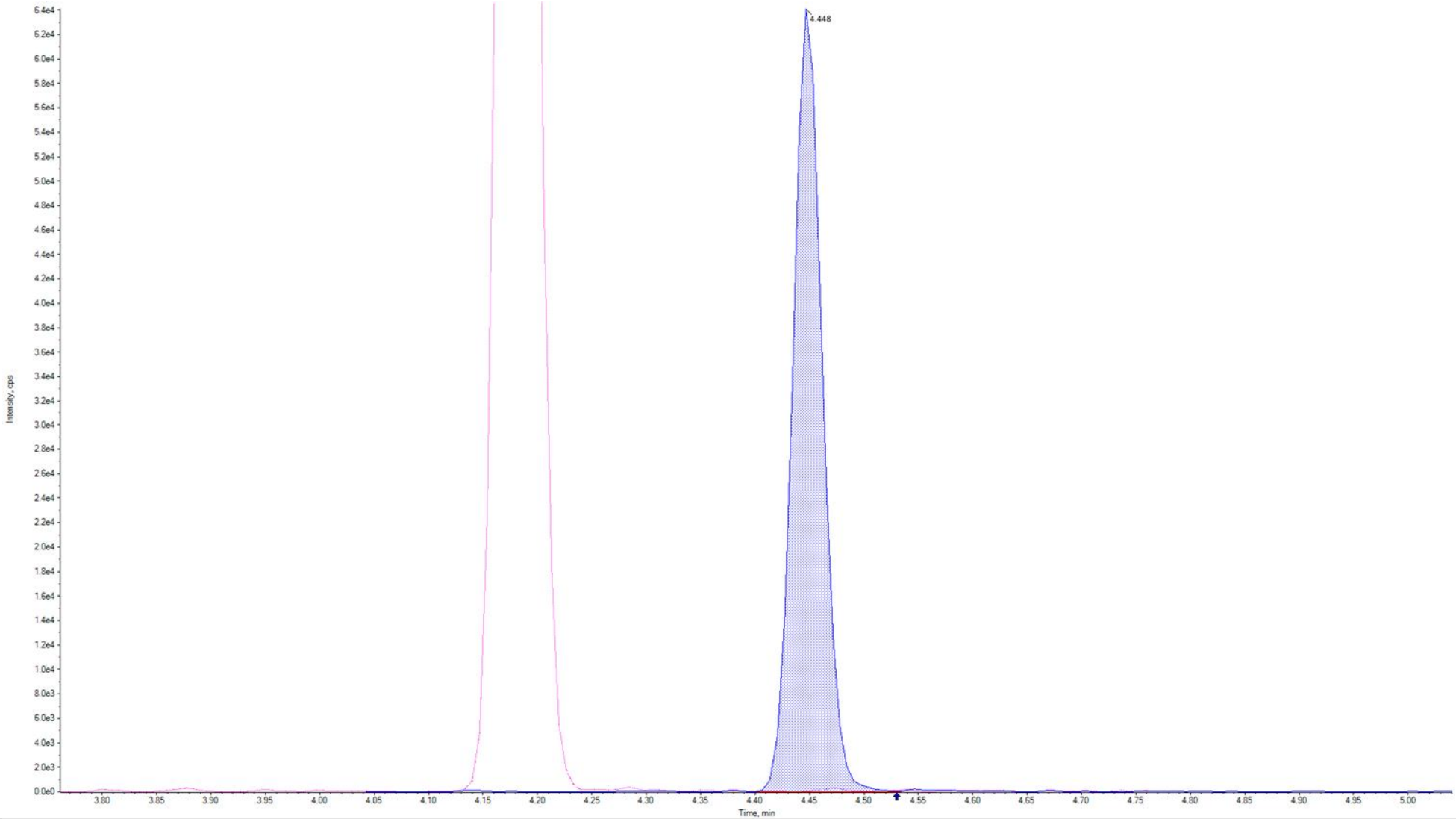
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

9Cl-PF3ONS
Sample: WG2011094-1,1633LOW S/N:2767.5 Points Across peak:37



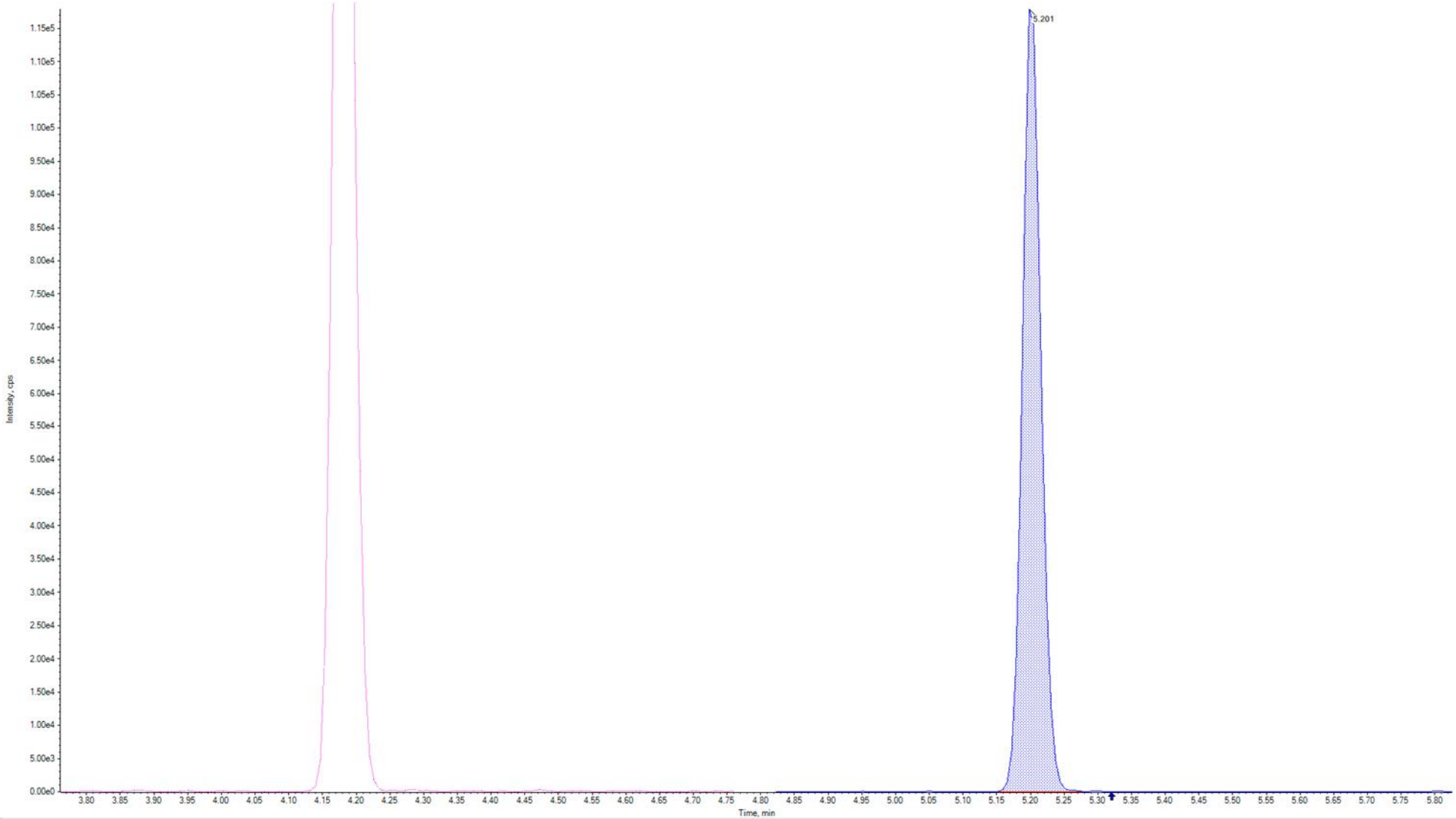
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

9Cl-PF3ONS_2
Sample: WG2011094-1,1633LOW S/N:1445.4 Points Across peak:22



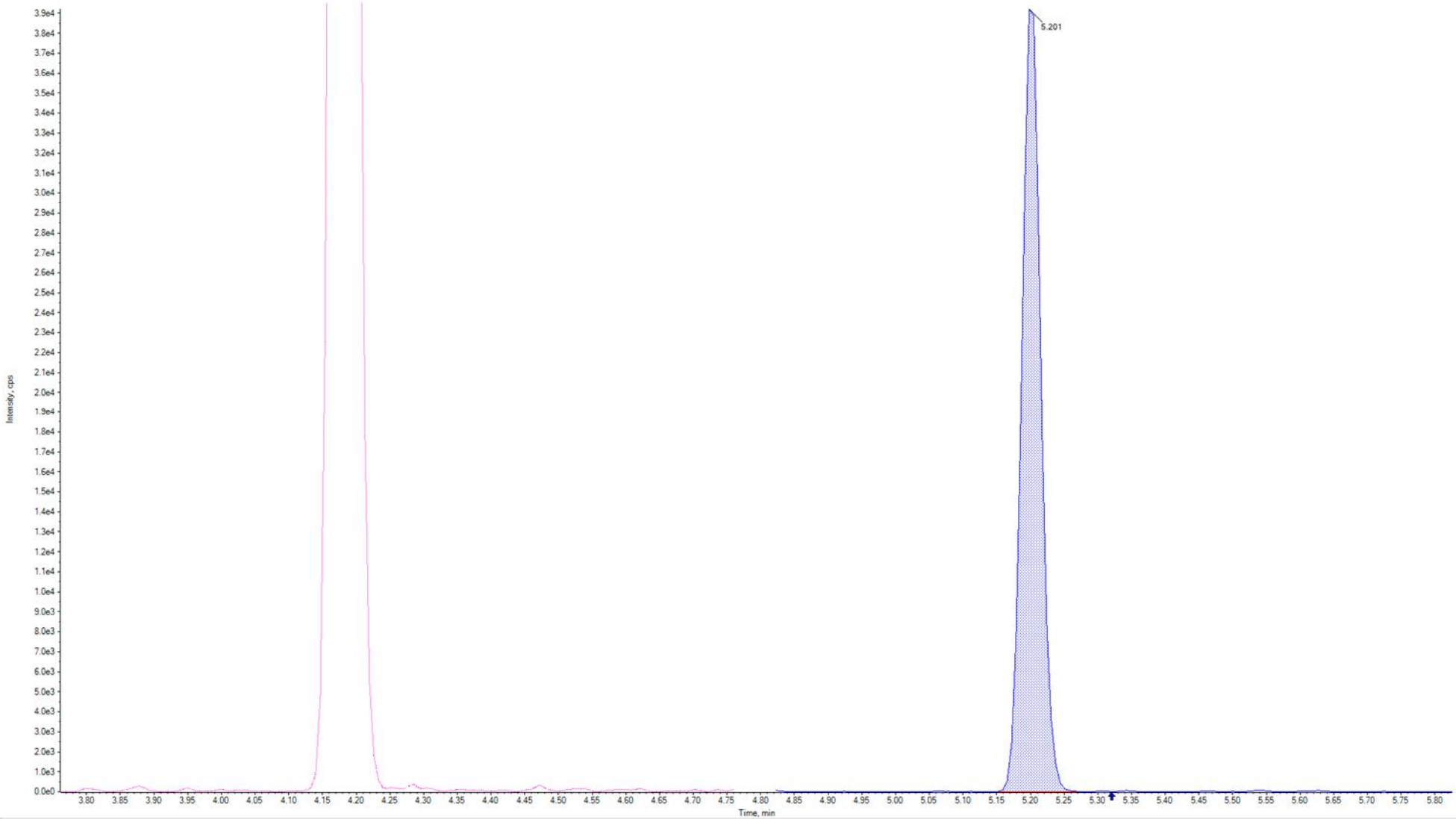
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

11Cl-PF3OUdS
Sample: WG2011094-1,1633LOW S/N:4204.7 Points Across peak:27



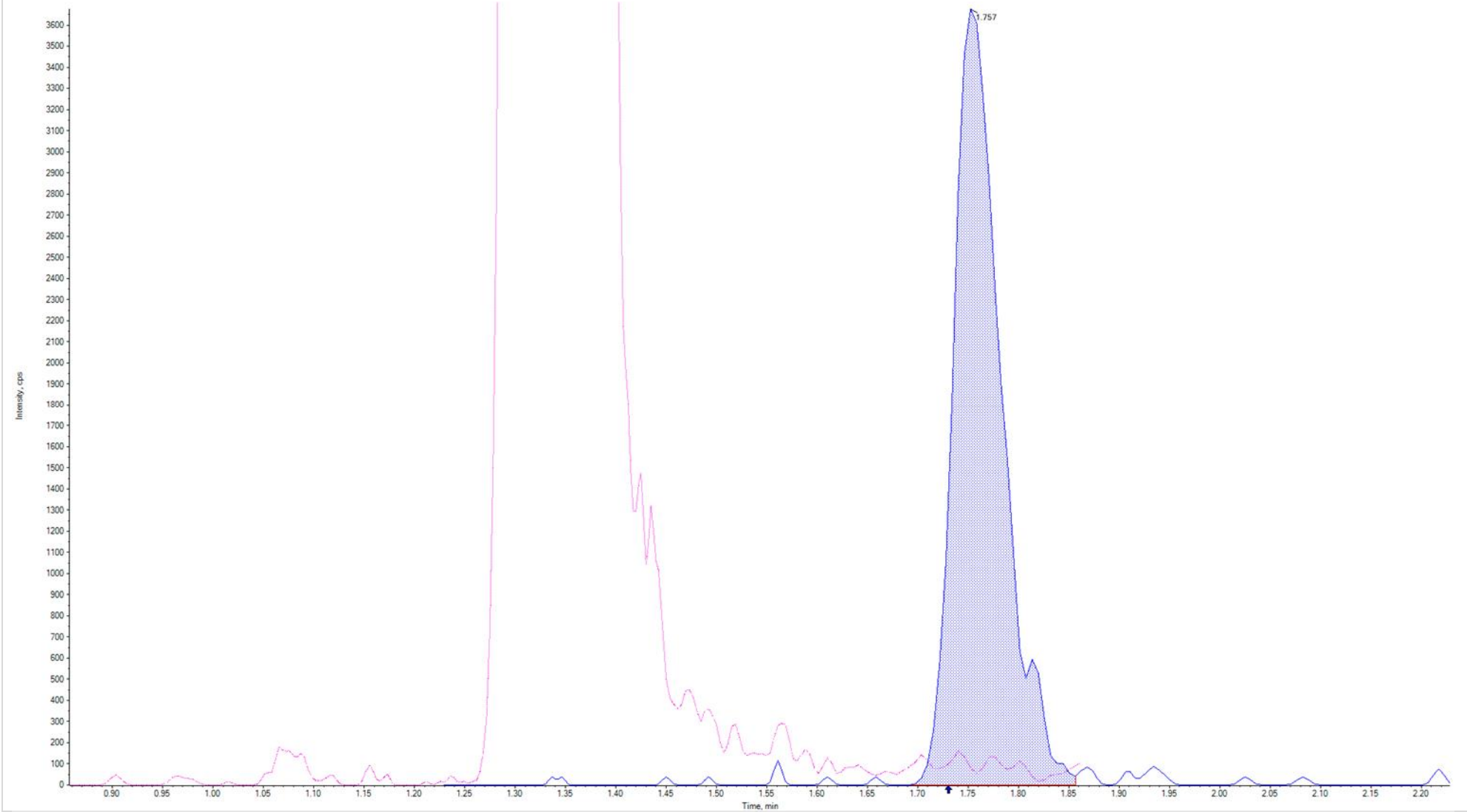
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

11Cl-PF3OUdS_2
Sample: WG2011094-1,1633LOW S/N:1867.2 Points Across peak:23



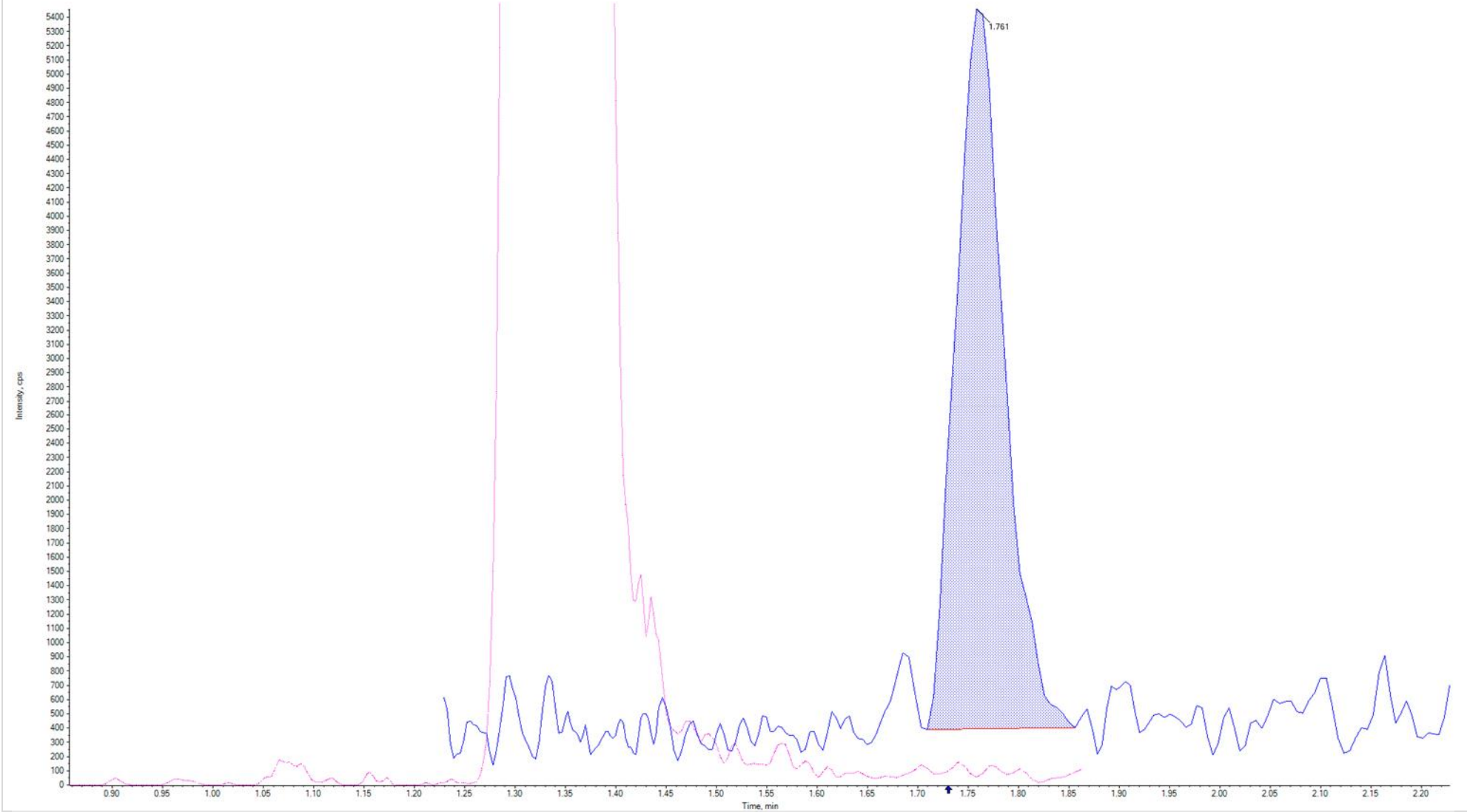
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

3:3FTCA
Sample: WG2011094-1,1633LOW S/N:92.1 Points Across peak:30



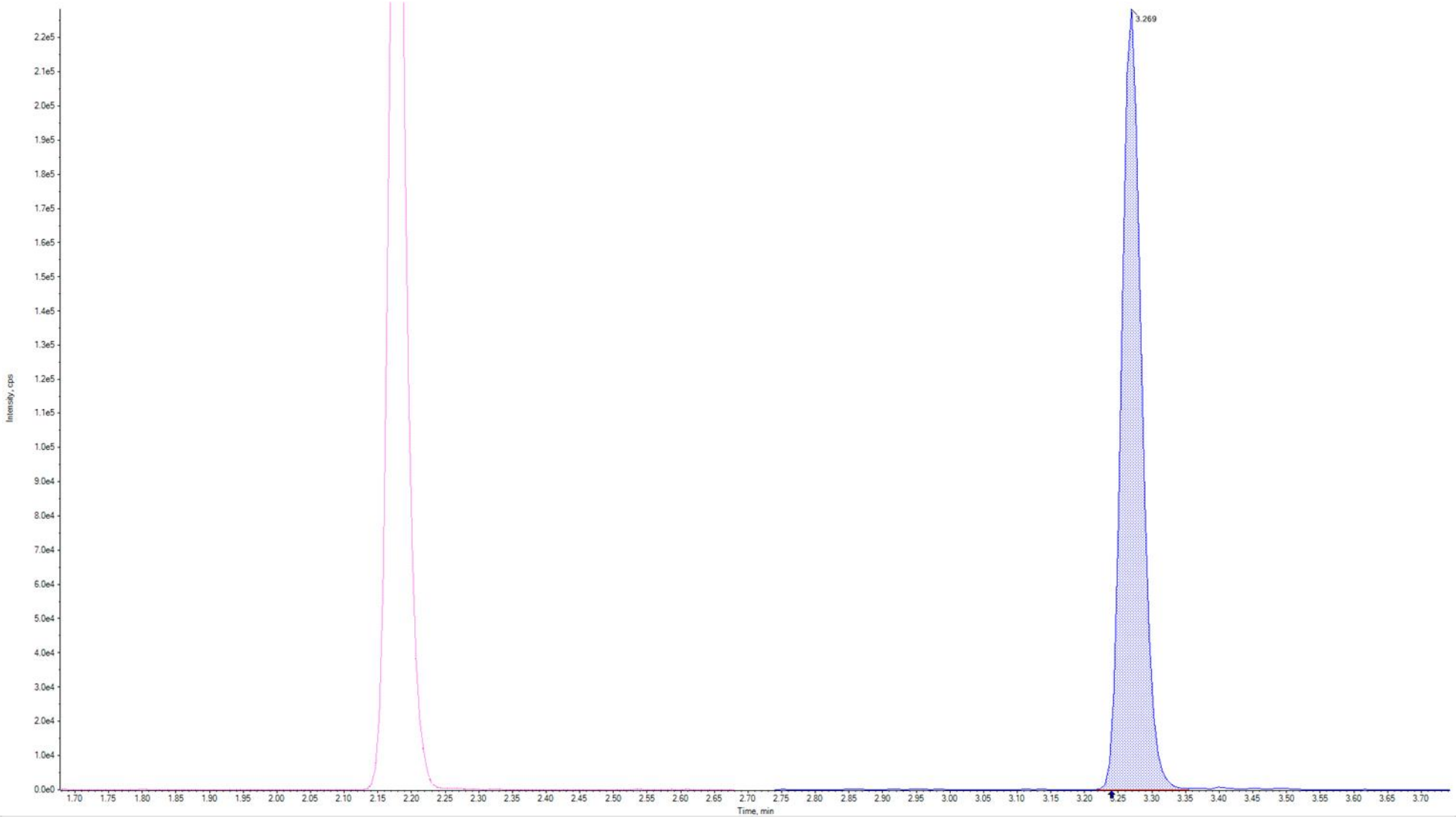
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

3:3FTCA_2
Sample: WG2011094-1,1633LOW S/N:101.3 Points Across peak:25



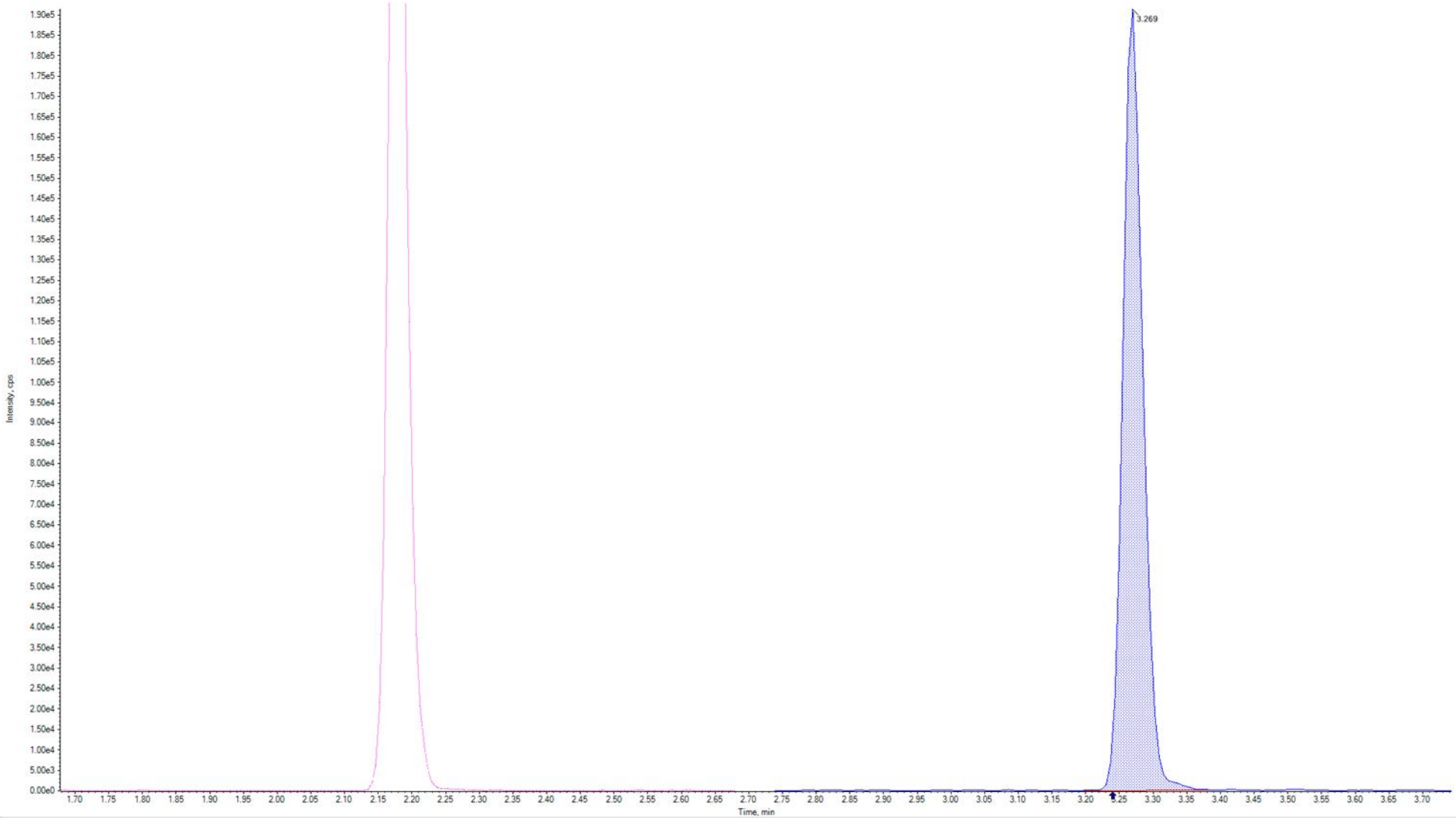
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

5:3FTCA
Sample: WG2011094-1,1633LOW S/N:5149.8 Points Across peak:25



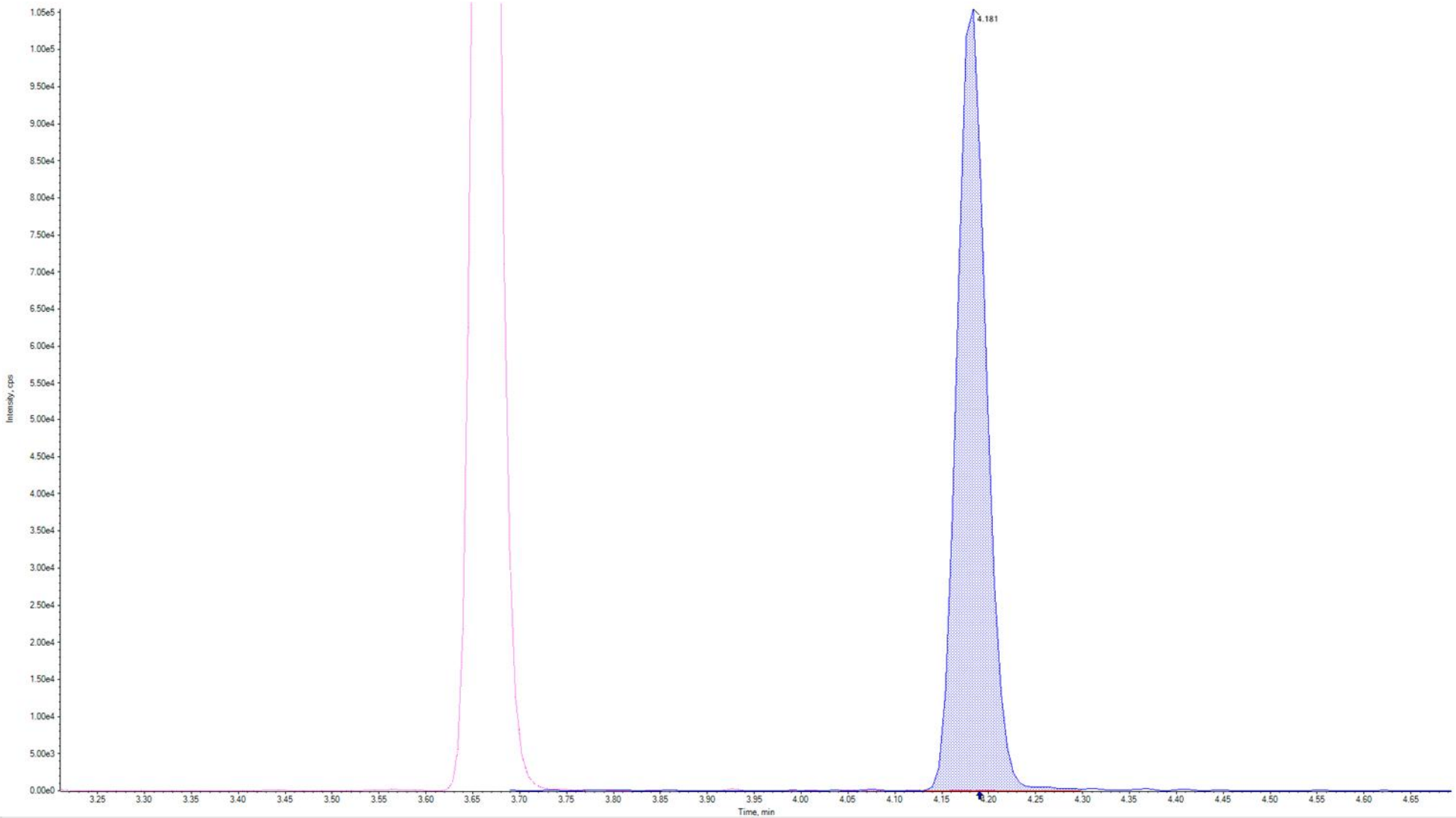
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

5:3FTCA_2
Sample: WG2011094-1,1633LOW S/N:4316.0 Points Across peak:33



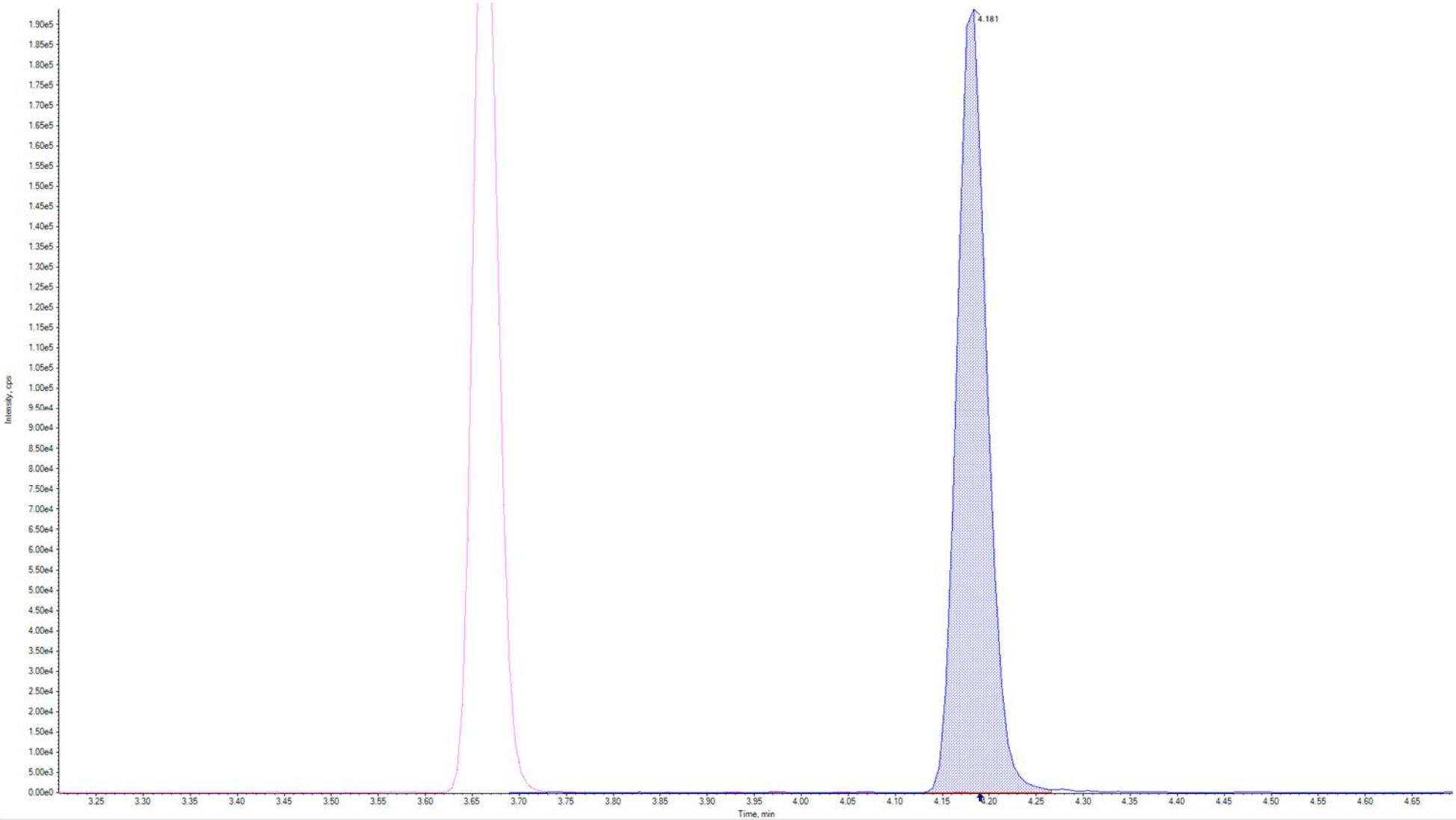
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

7:3FTCA
Sample: WG2011094-1,1633LOW S/N:2189.6 Points Across peak:27



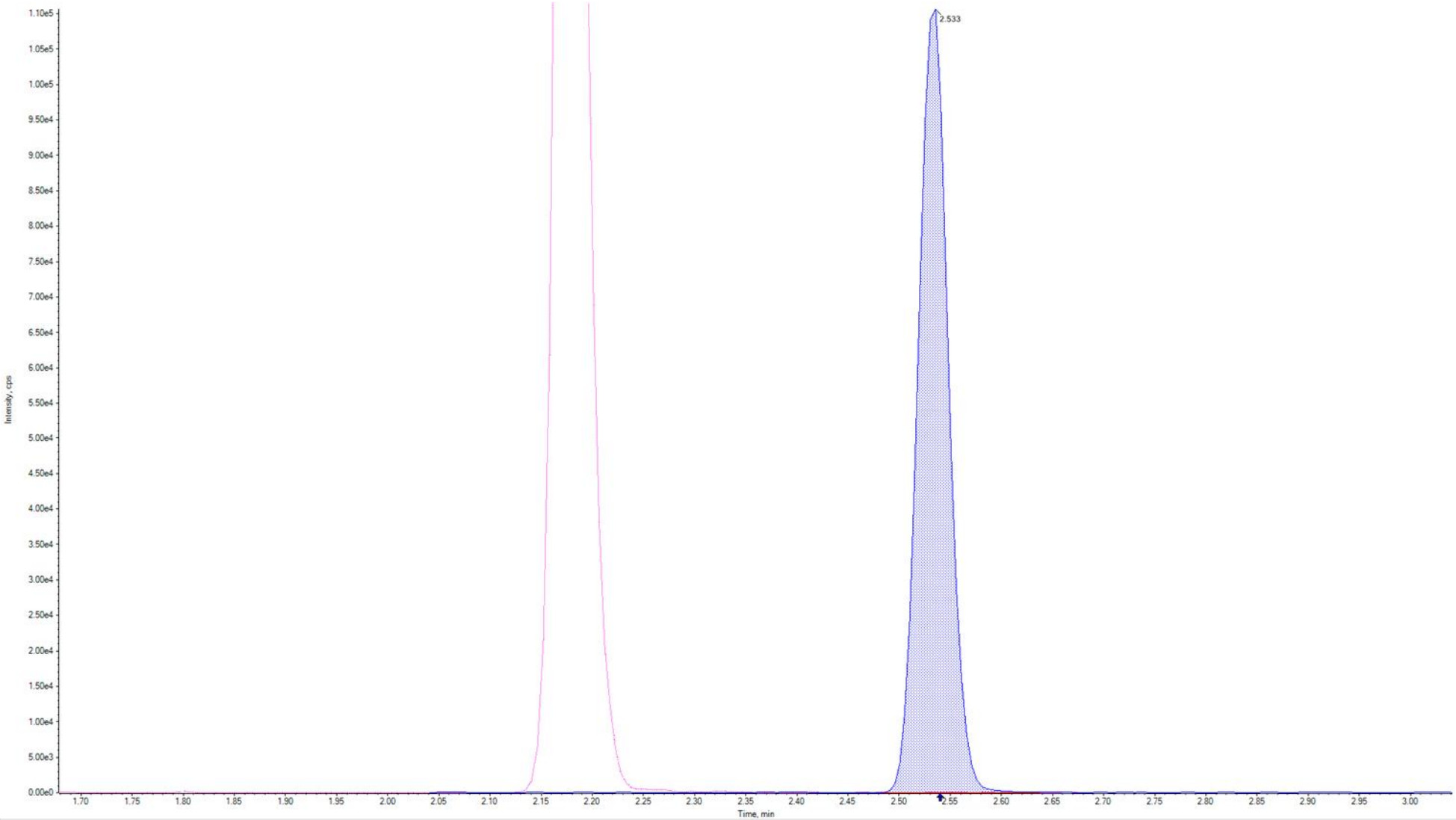
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

7:3FTCA_2
Sample: WG2011094-1,1633LOW S/N:2877.1 Points Across peak:22



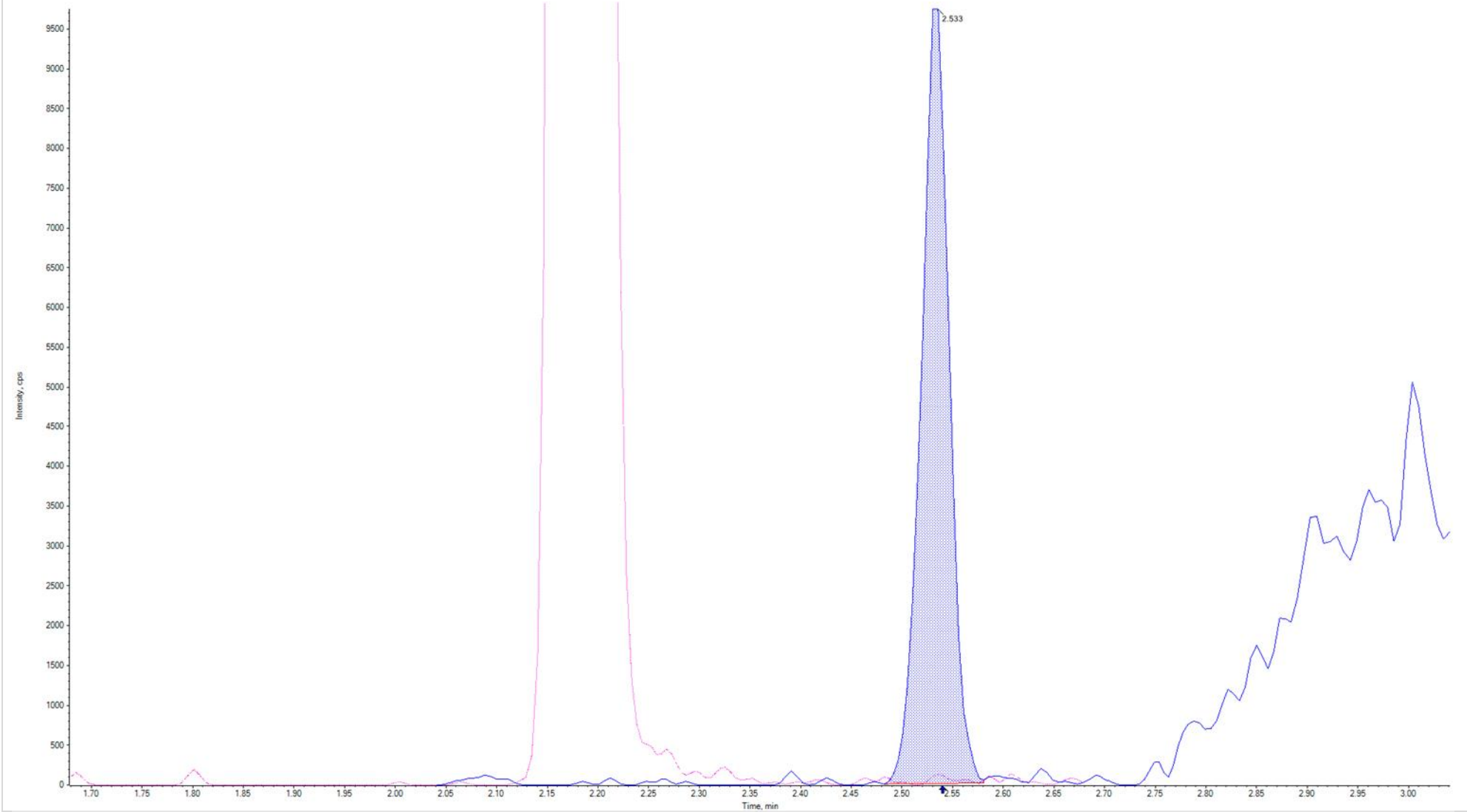
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFEESA
Sample: WG2011094-1,1633LOW S/N:2495.7 Points Across peak:31



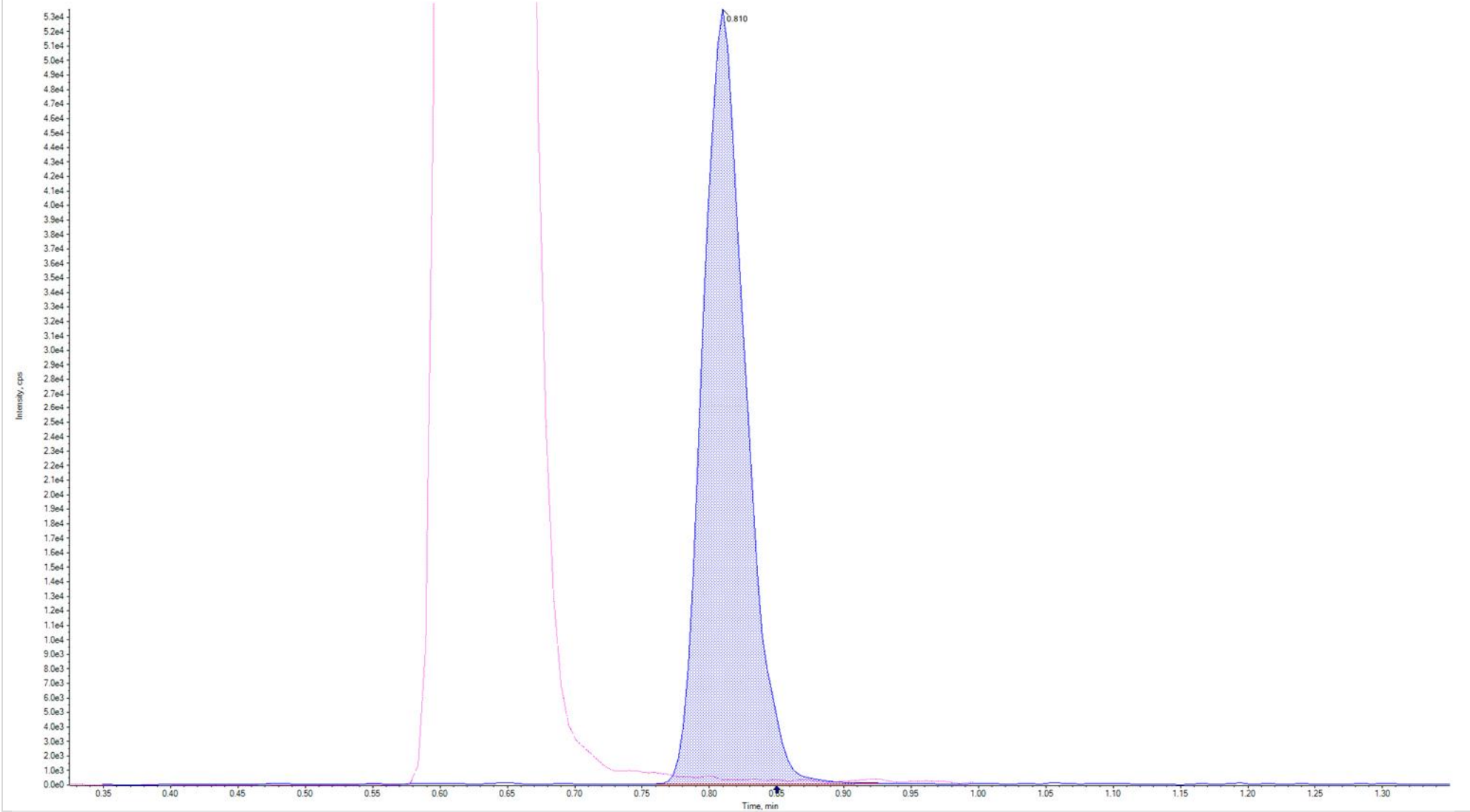
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFEESA_2
Sample: WG2011094-1,1633LOW S/N:219.5 Points Across peak:21



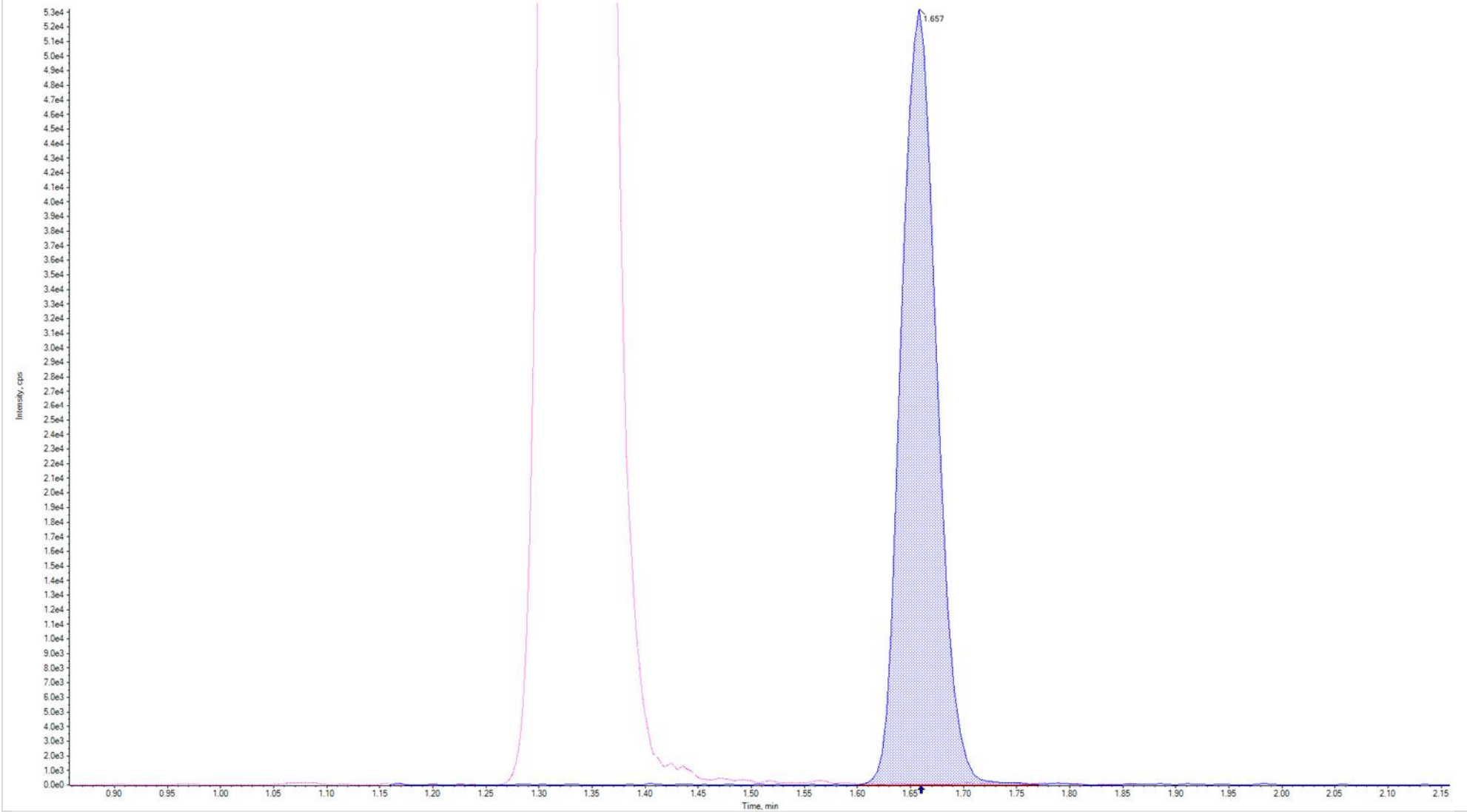
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFMPA
Sample: WG2011094-1,1633LOW S/N:4391.9 Points Across peak:47



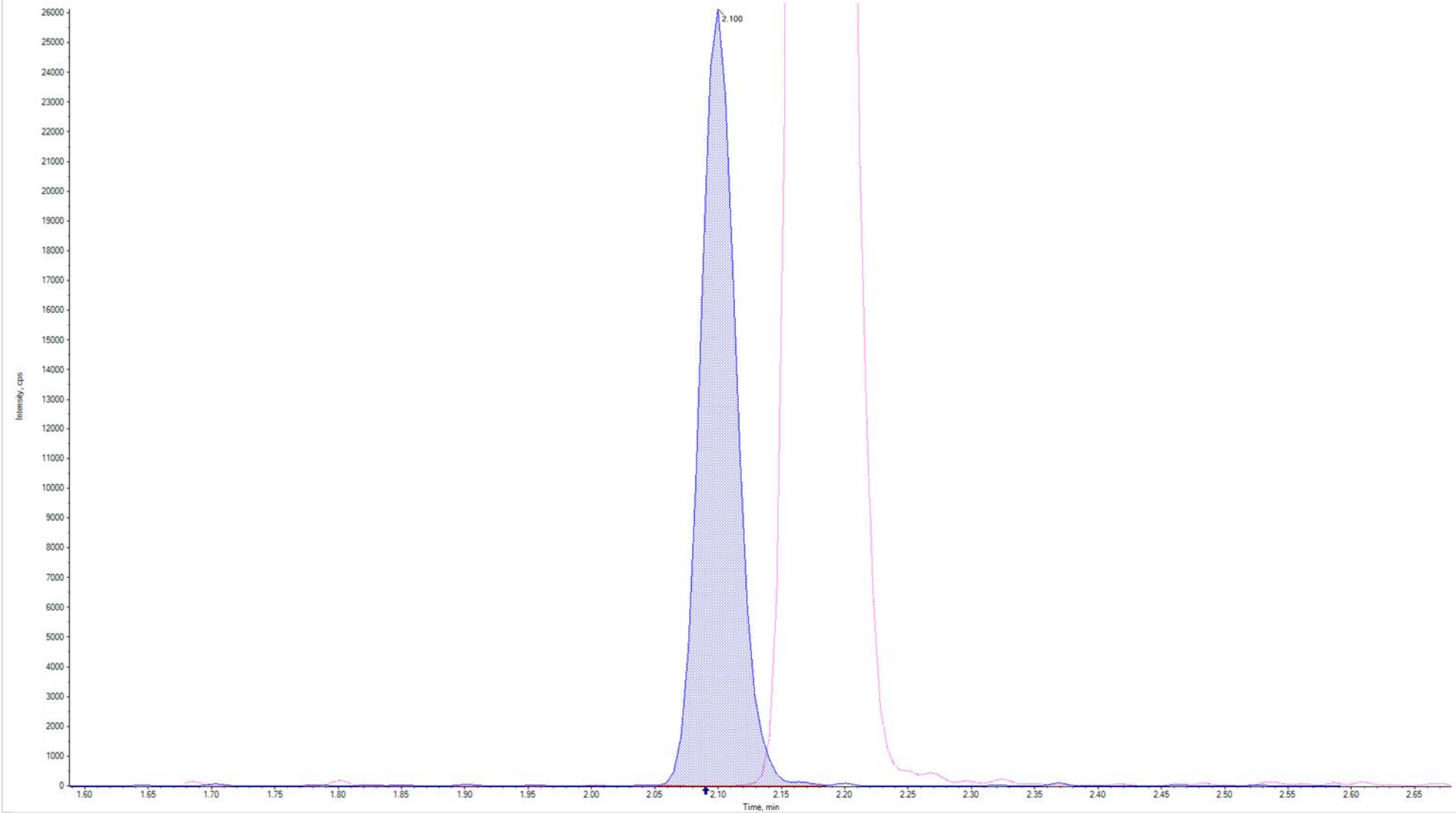
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

PFMBA
Sample: WG2011094-1,1633LOW S/N:3068.1 Points Across peak:36



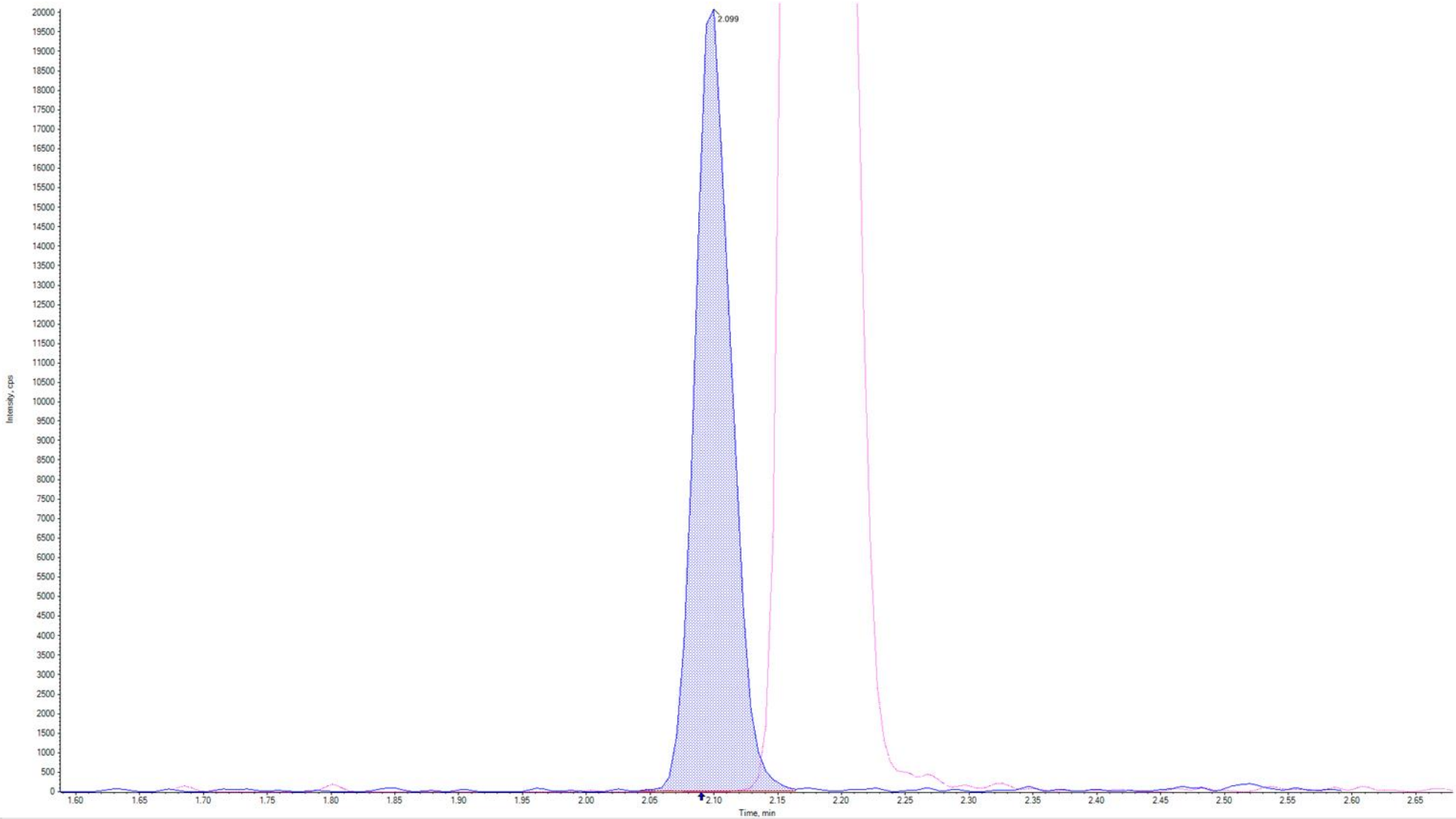
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

NFDHA
Sample: WG2011094-1,1633LOW S/N:720.4 Points Across peak:24



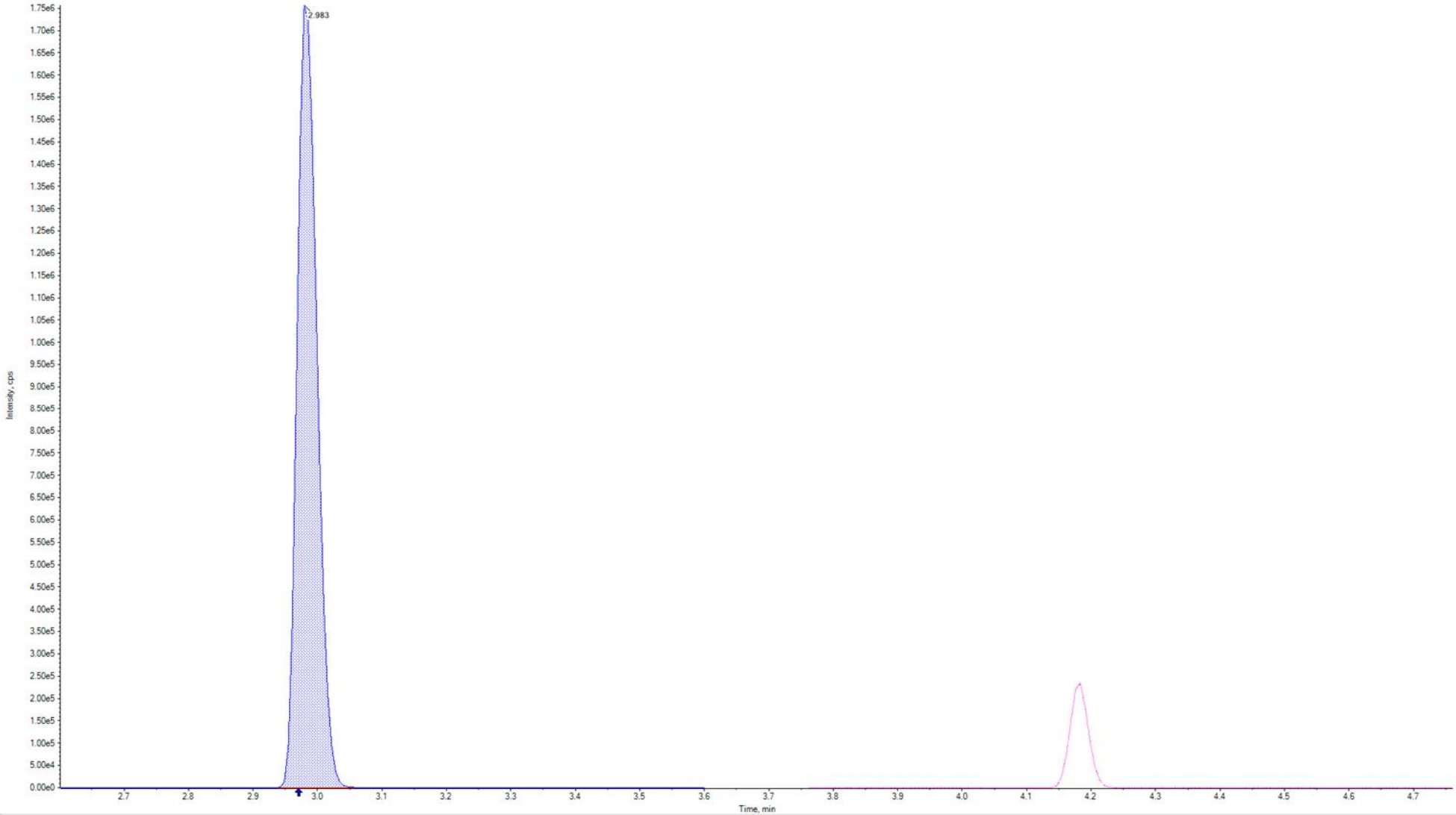
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

NFDHA_2
Sample: WG2011094-1,1633LOW S/N:553.4 Points Across peak:23



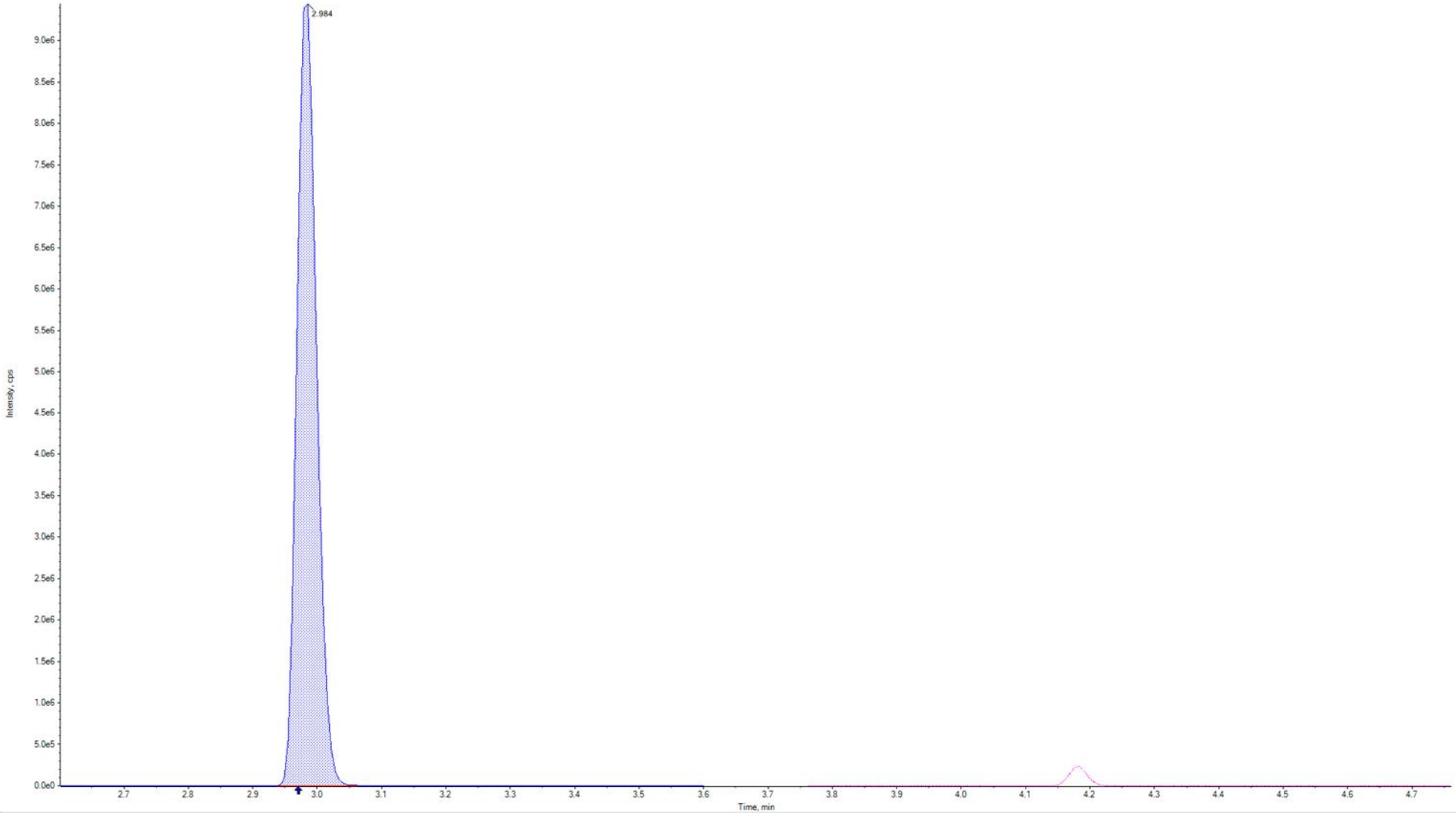
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

TDCA
Sample: WG2011094-1,1633LOW S/N:11137.6 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

TDCA_2
Sample: WG2011094-1,1633LOW S/N:8194.0 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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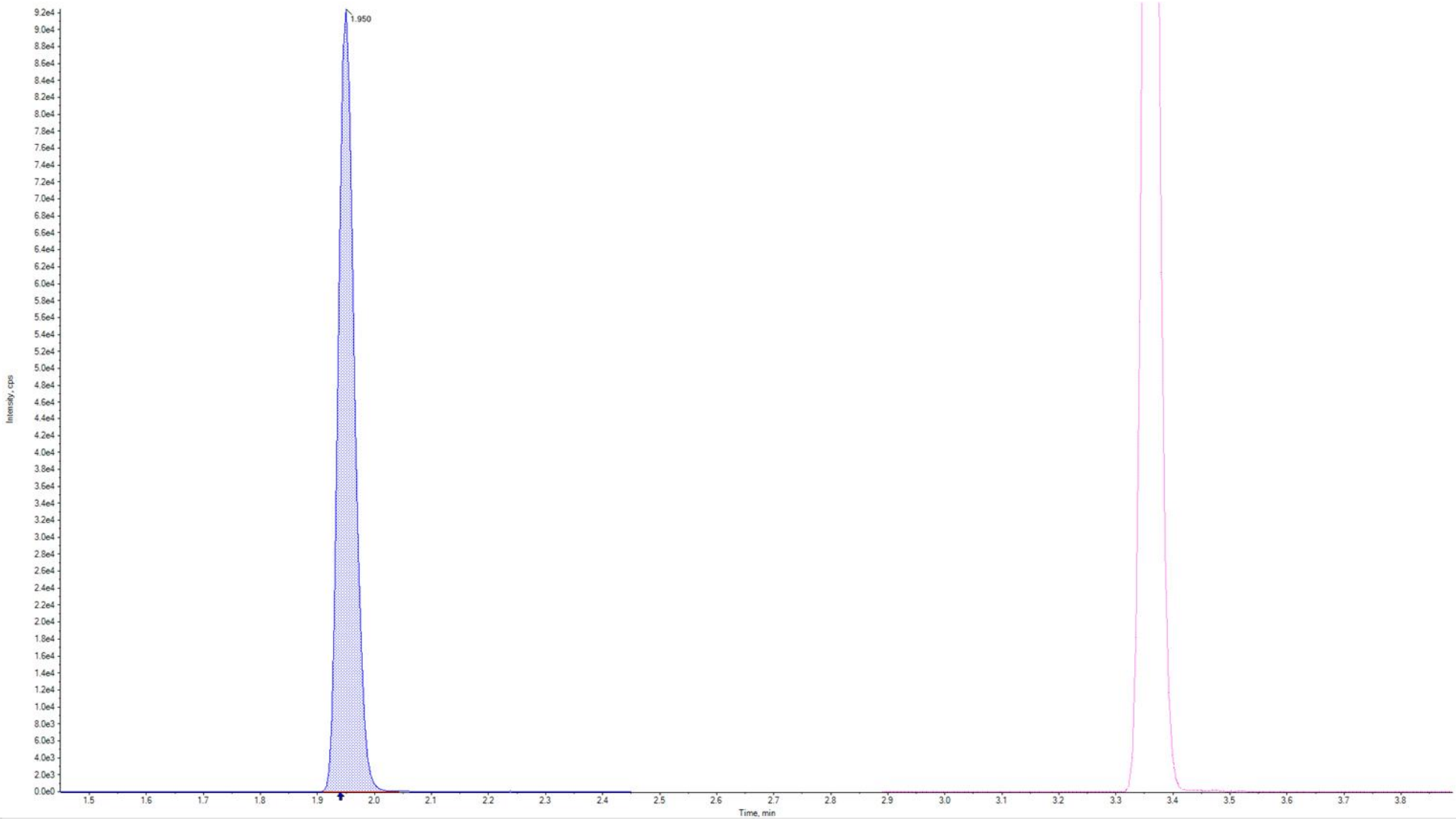
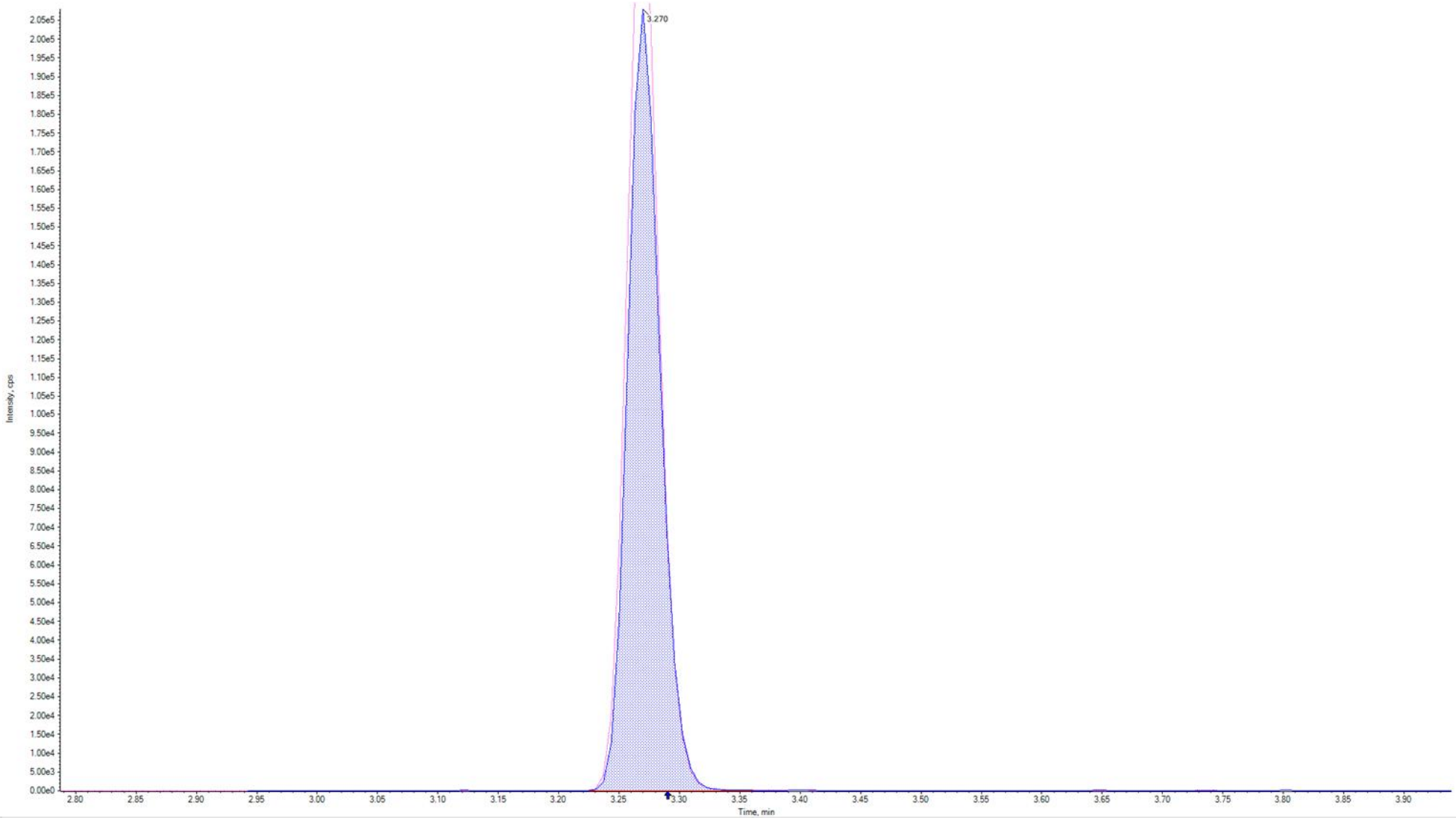
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

13C2D4-4:2FTS
Sample: WG2011094-1,1633LOW S/N:3474.4 Points Across peak:33

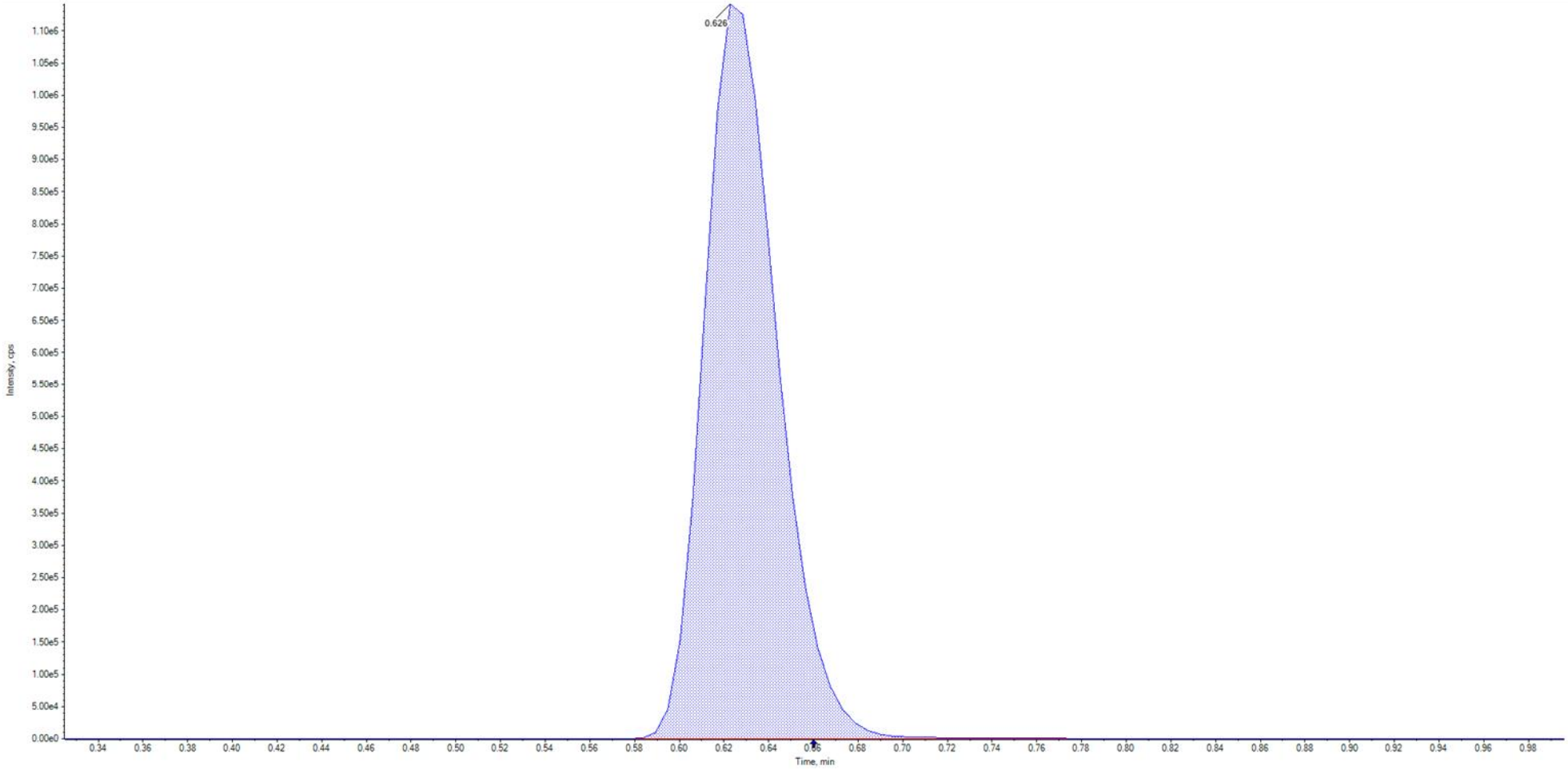


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

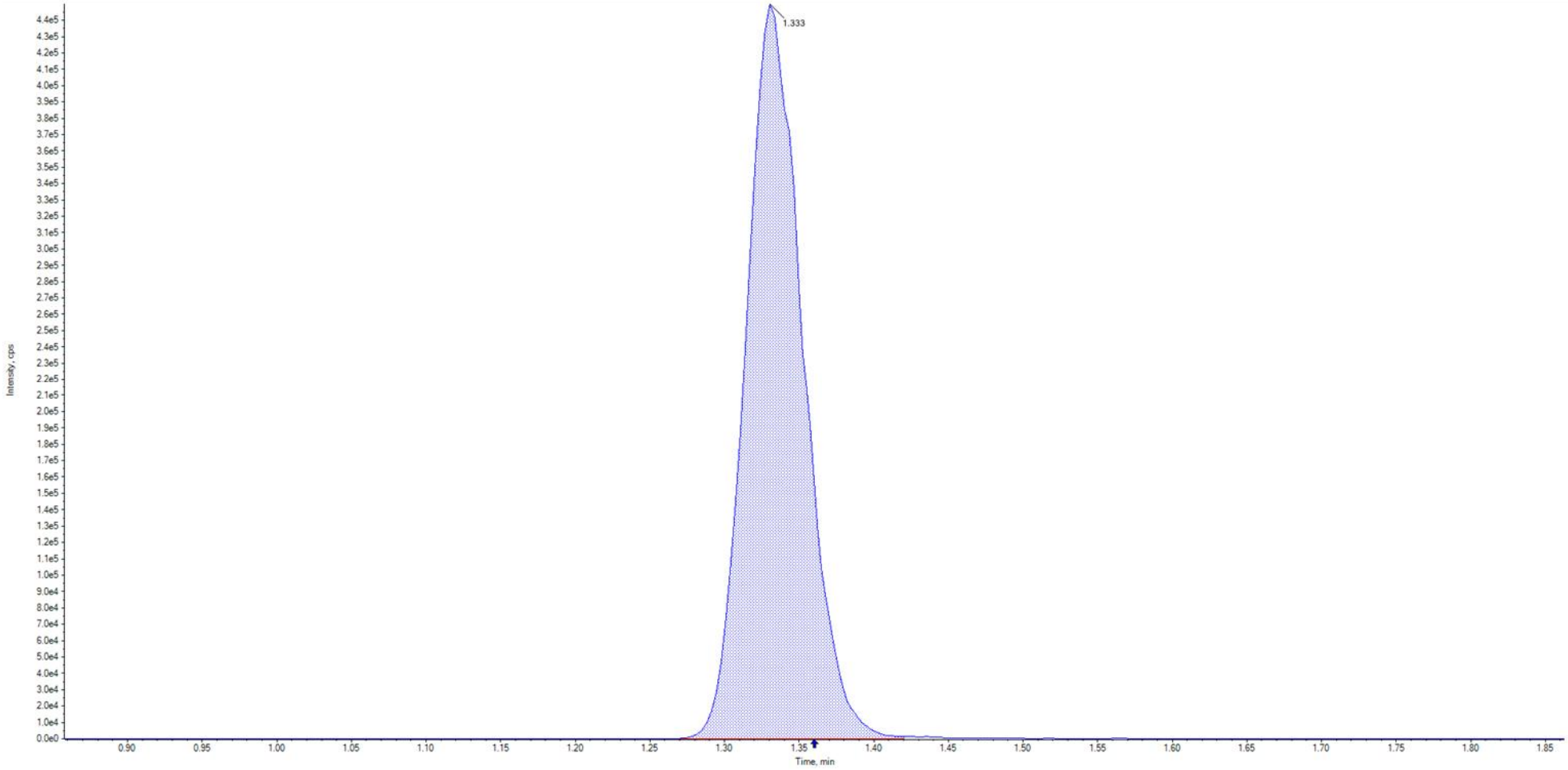
13C2-PFOA
Sample: WG2011094-1,1633LOW S/N:4692.0 Points Across peak:26



13C4-PFBA
Sample: WG2011094-1,1633LOW

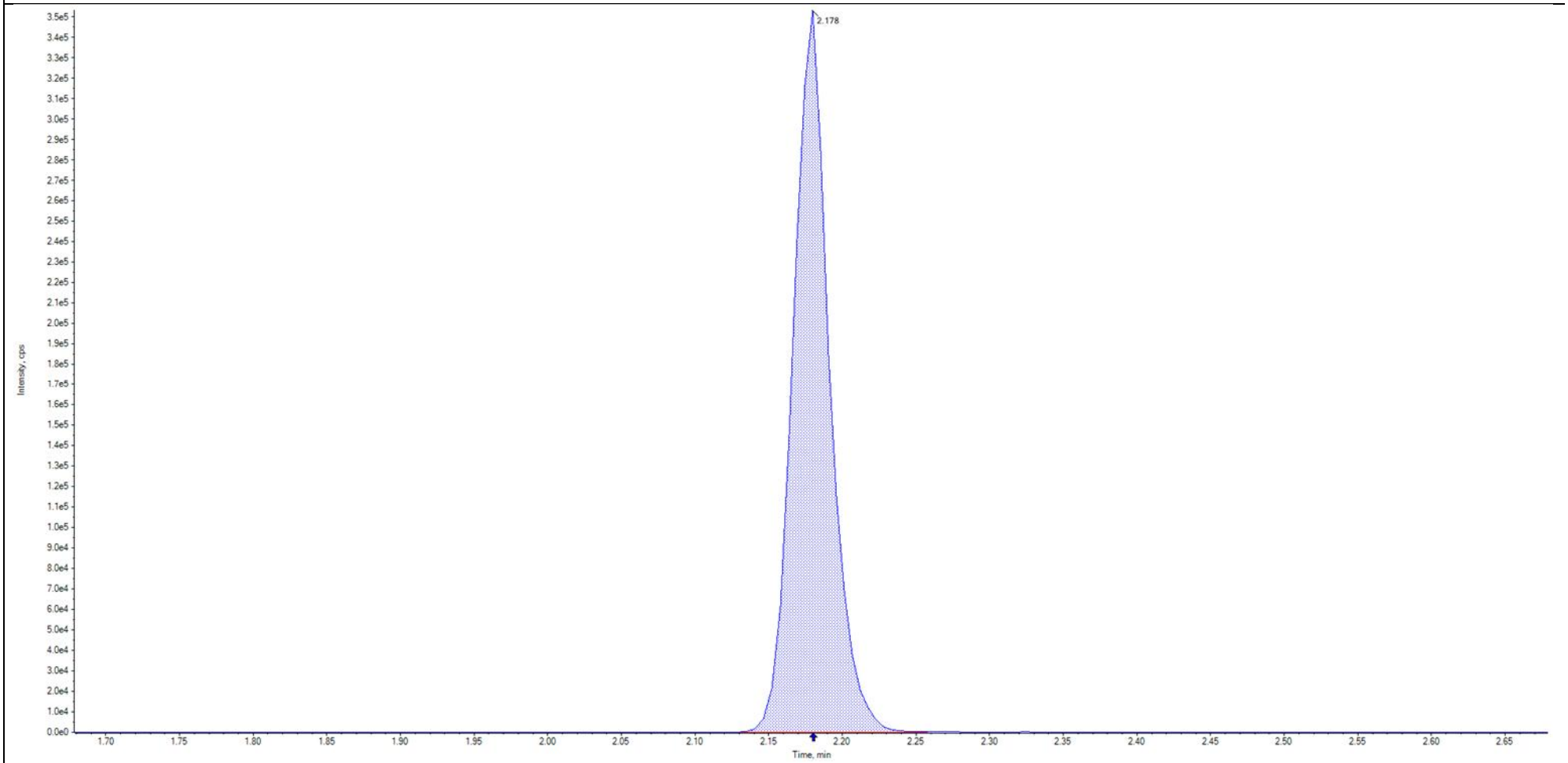


13C5-PFPeA
Sample: WG2011094-1,1633LOW

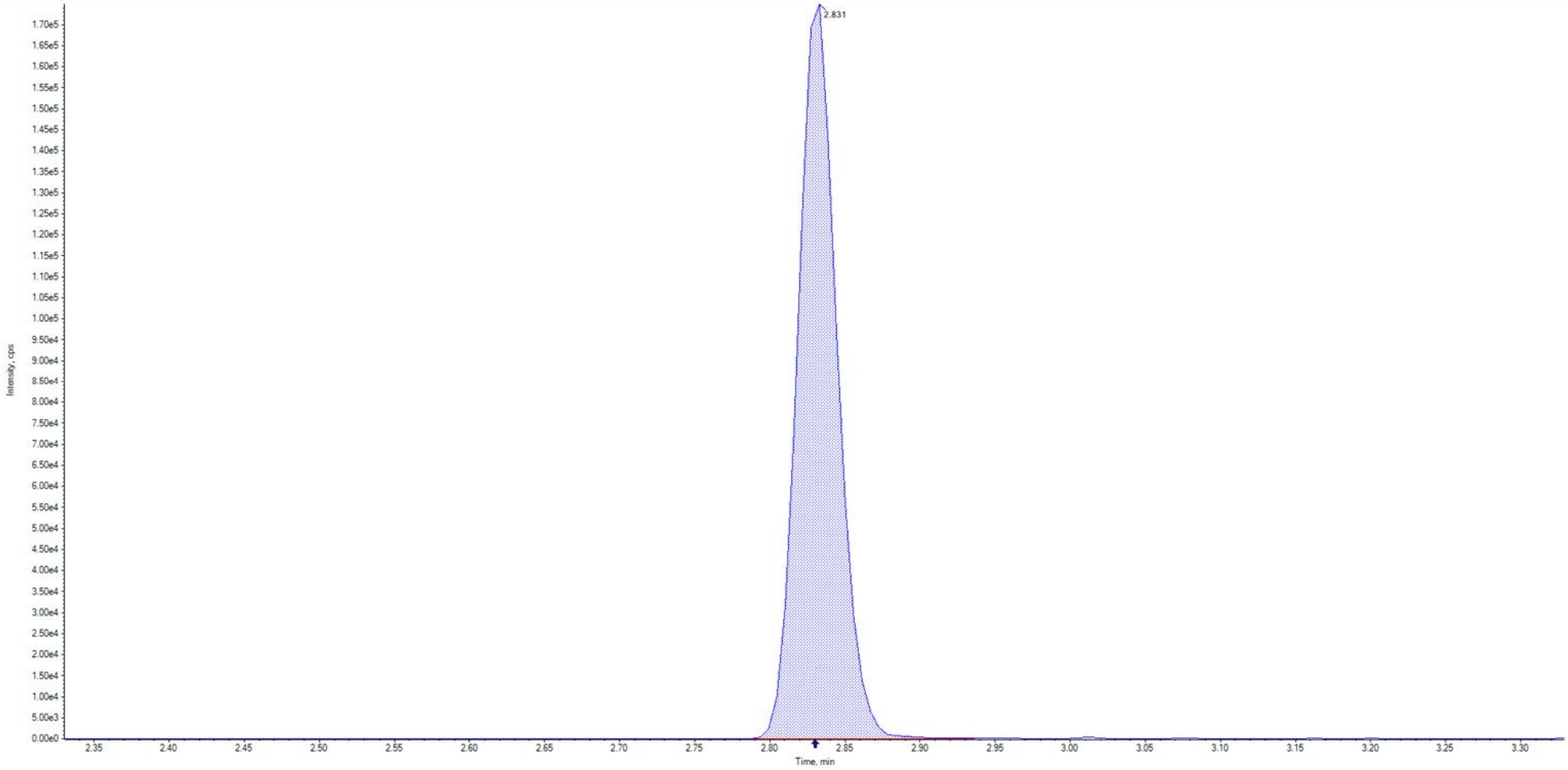


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

13C5-PFHxA
Sample: WG2011094-1,1633LOW

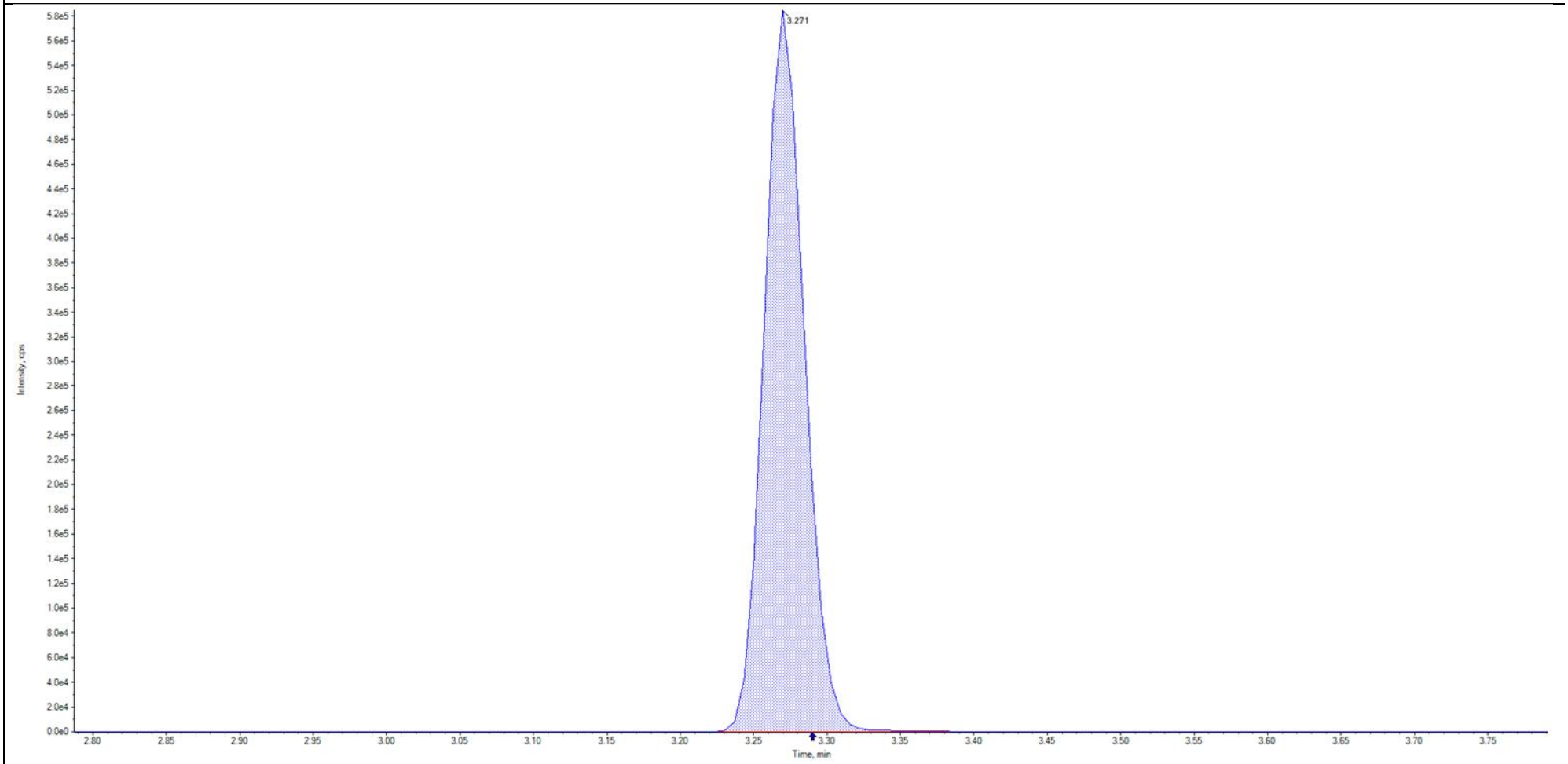


13C4-PFHpA
Sample: WG2011094-1,1633LOW

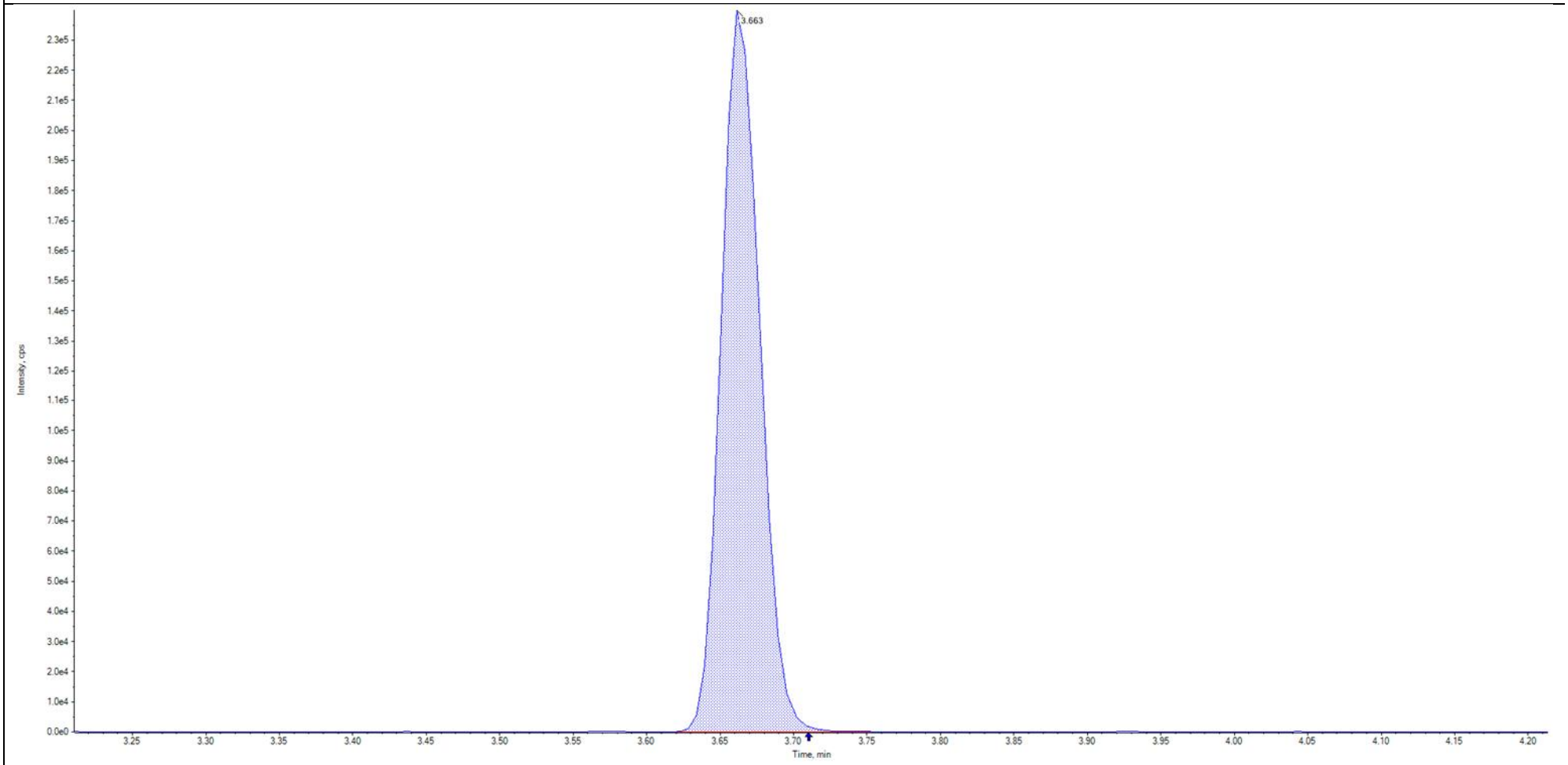


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

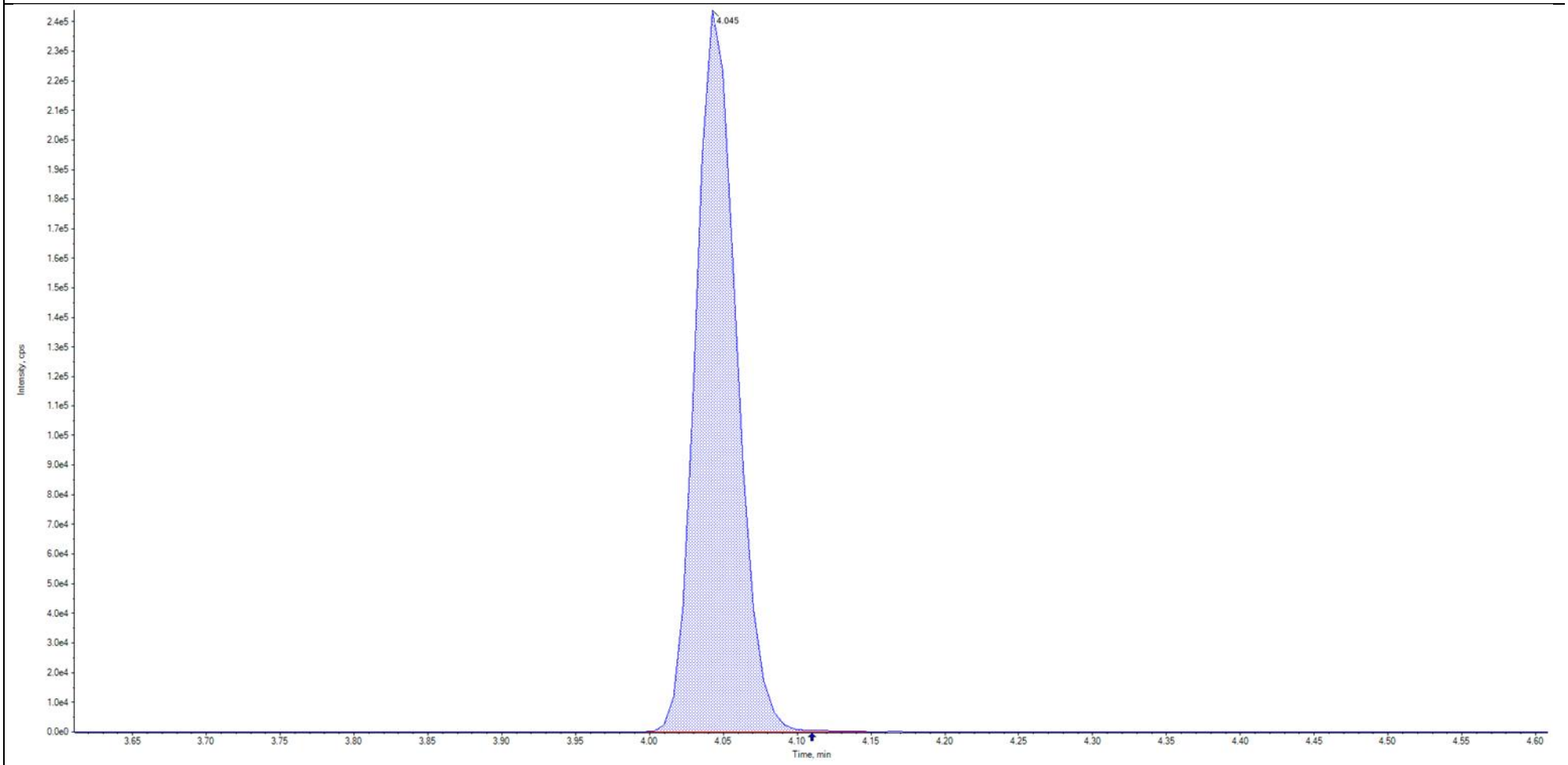
13C8-PFOA
Sample: WG2011094-1,1633LOW



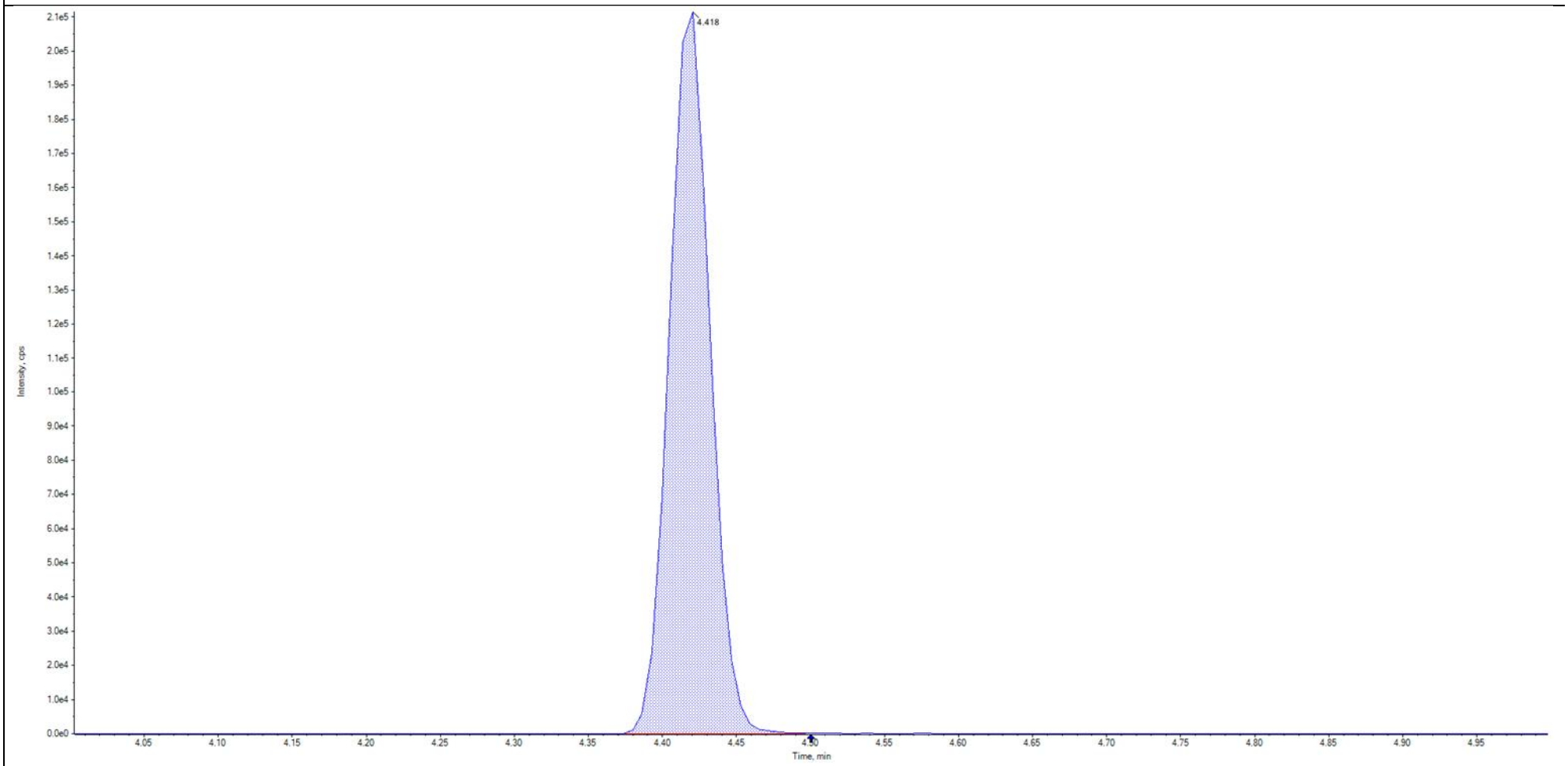
13C9-PFNA
Sample: WG2011094-1,1633LOW



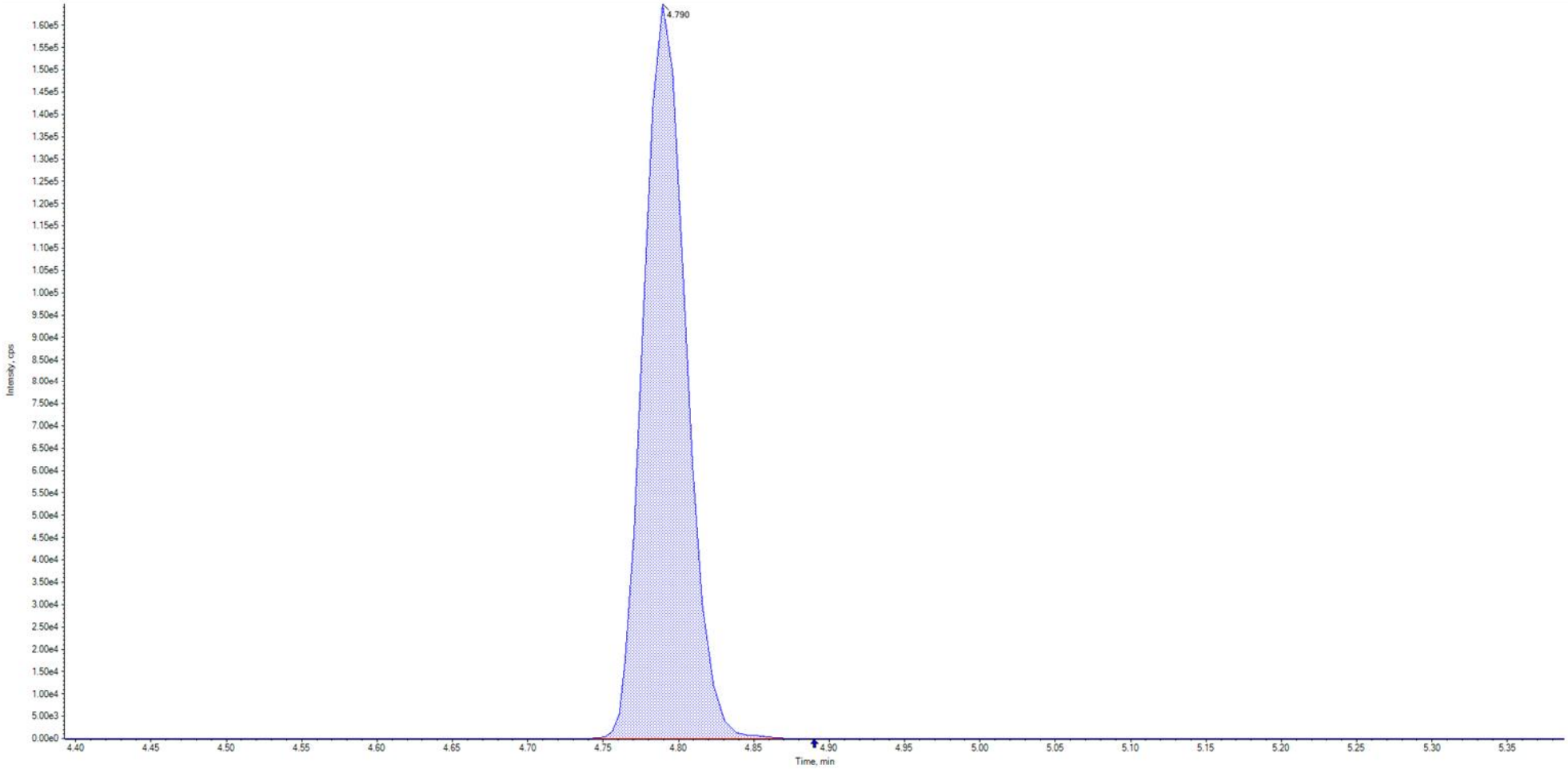
13C6-PFDA
Sample: WG2011094-1,1633LOW



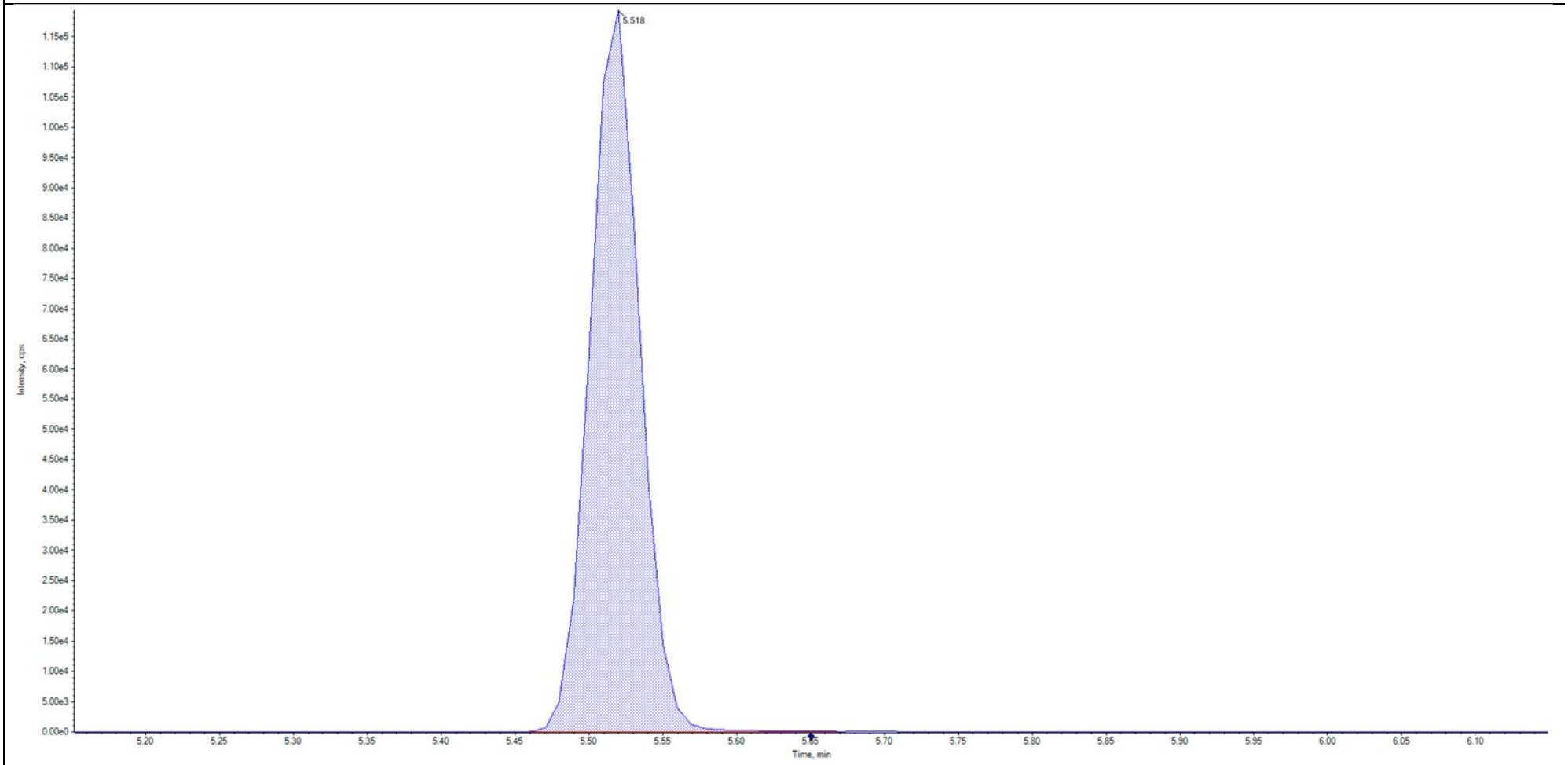
13C7-PFUnA
Sample: WG2011094-1,1633LOW



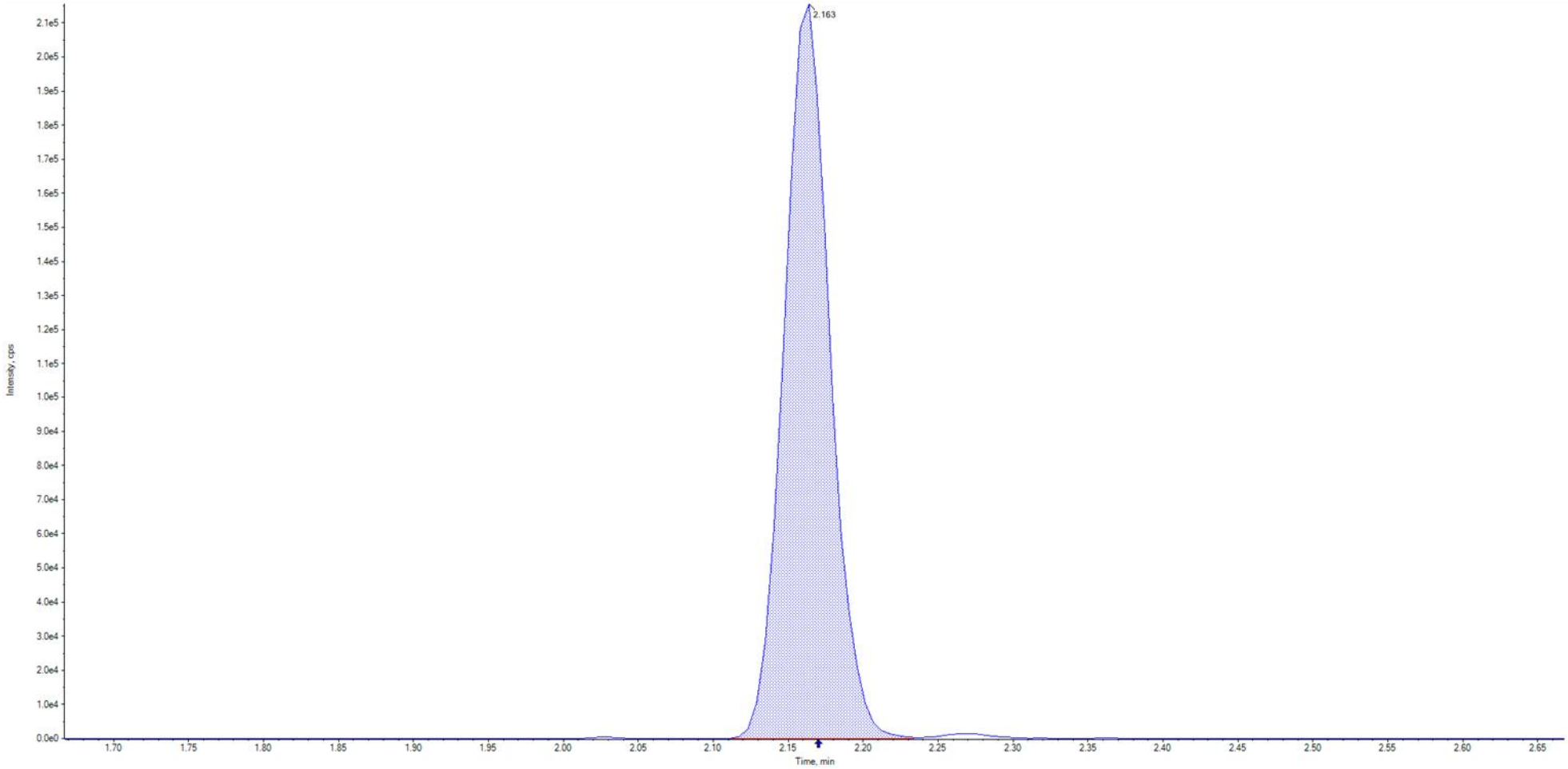
13C2-PFDoA
Sample: WG2011094-1,1633LOW



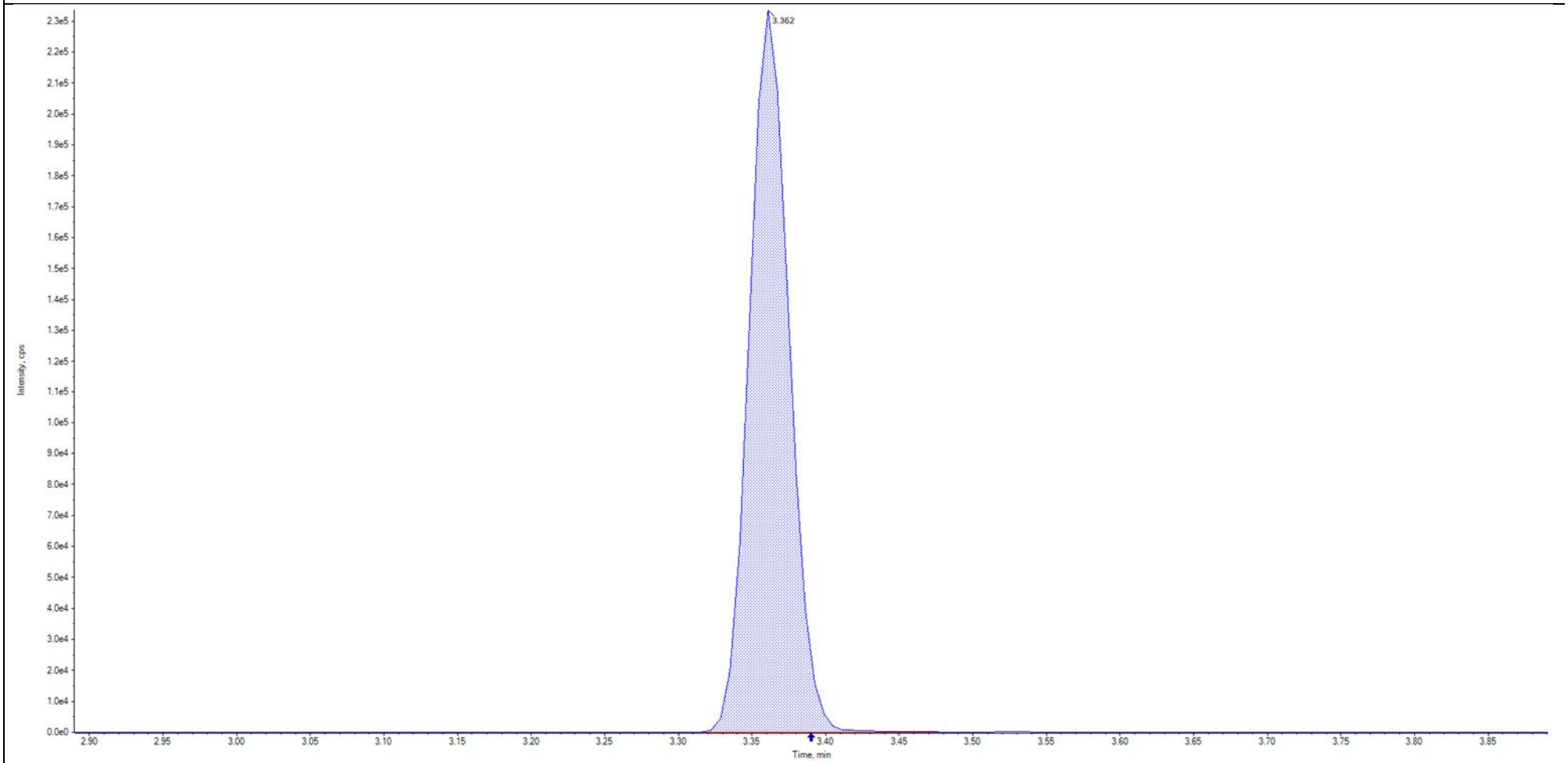
13C2-PFTeDA
Sample: WG2011094-1,1633LOW



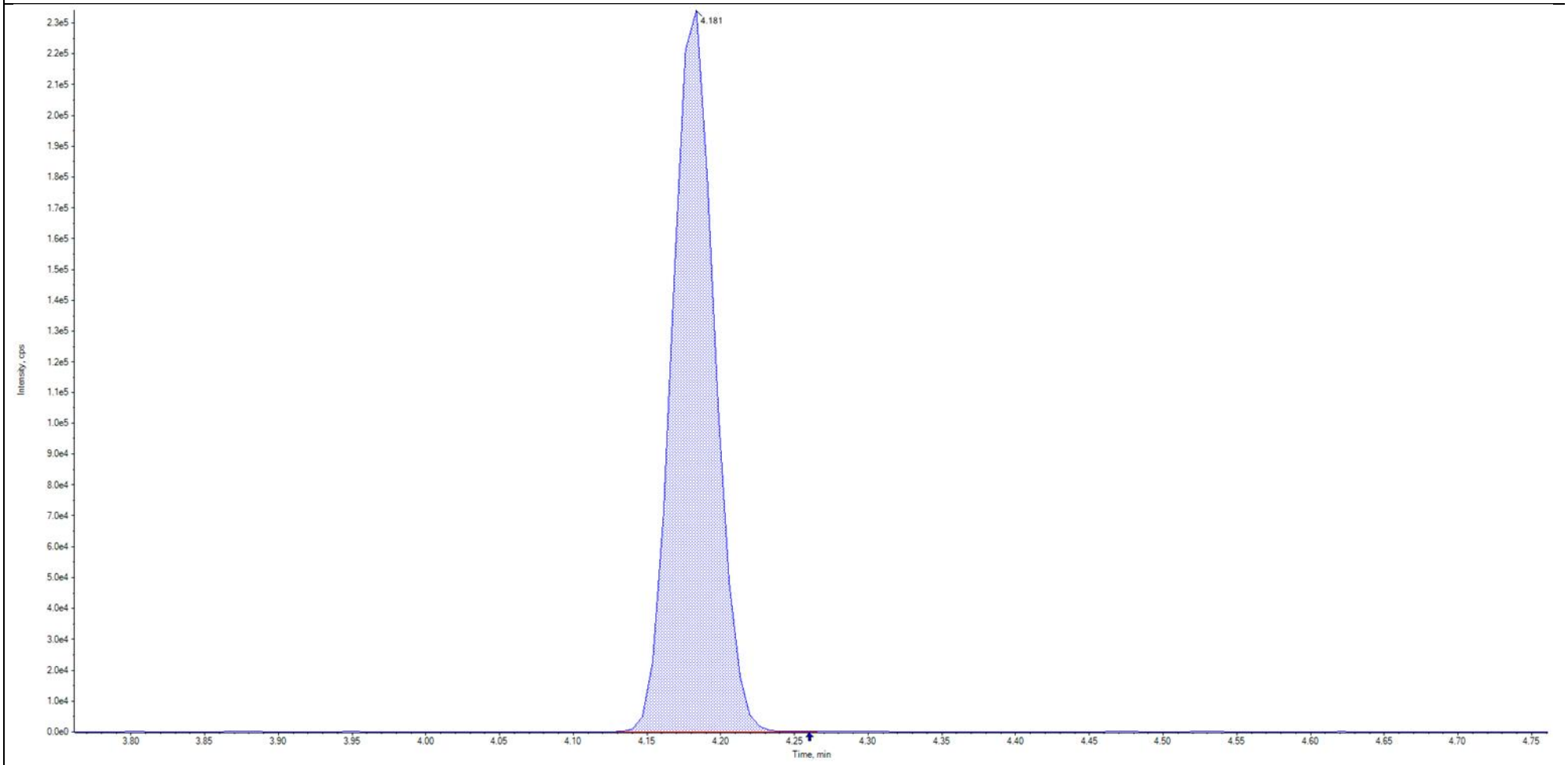
13C3-PFBS
Sample: WG2011094-1,1633LOW



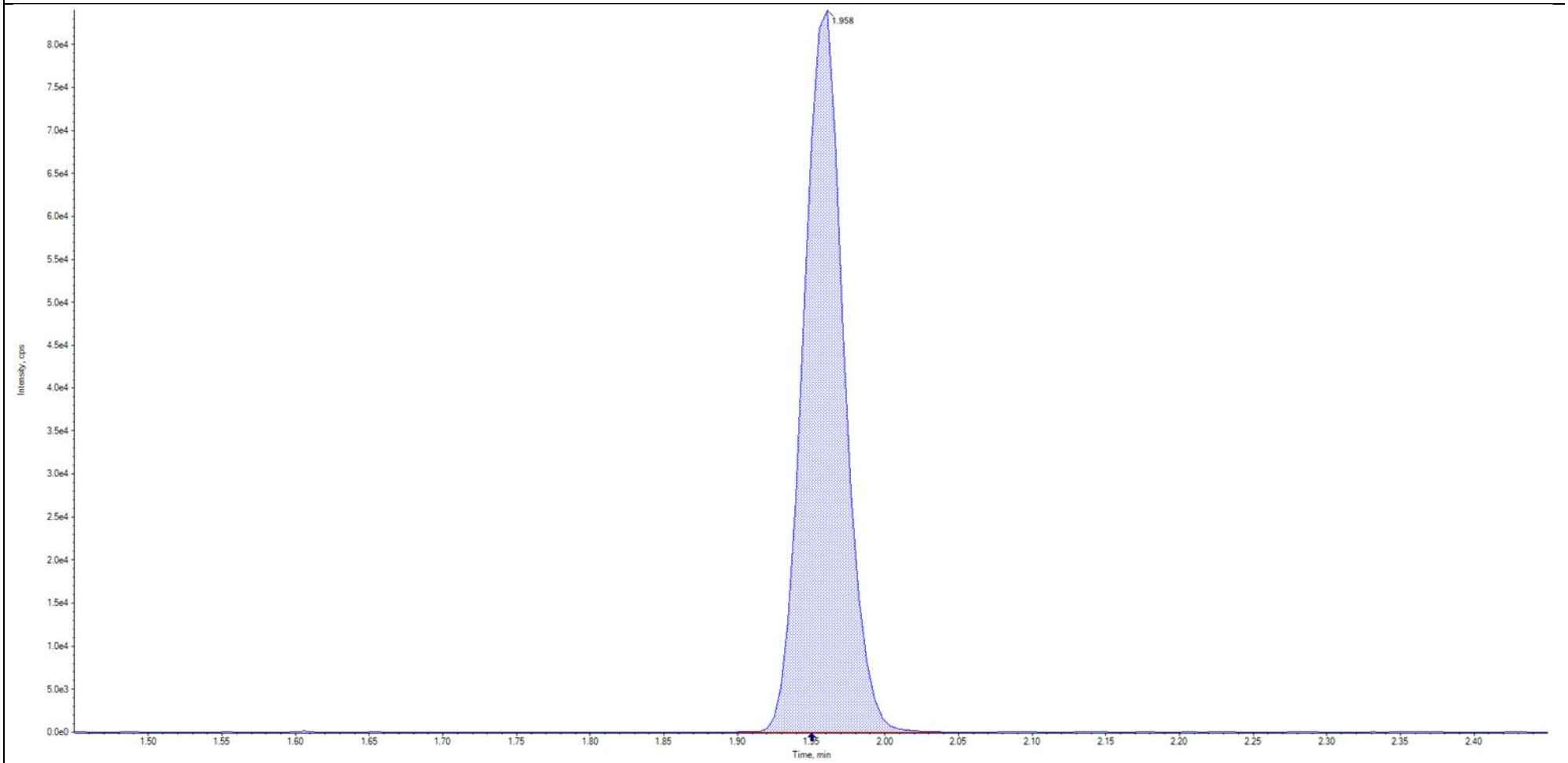
13C3-PFHxS
Sample: WG2011094-1,1633LOW



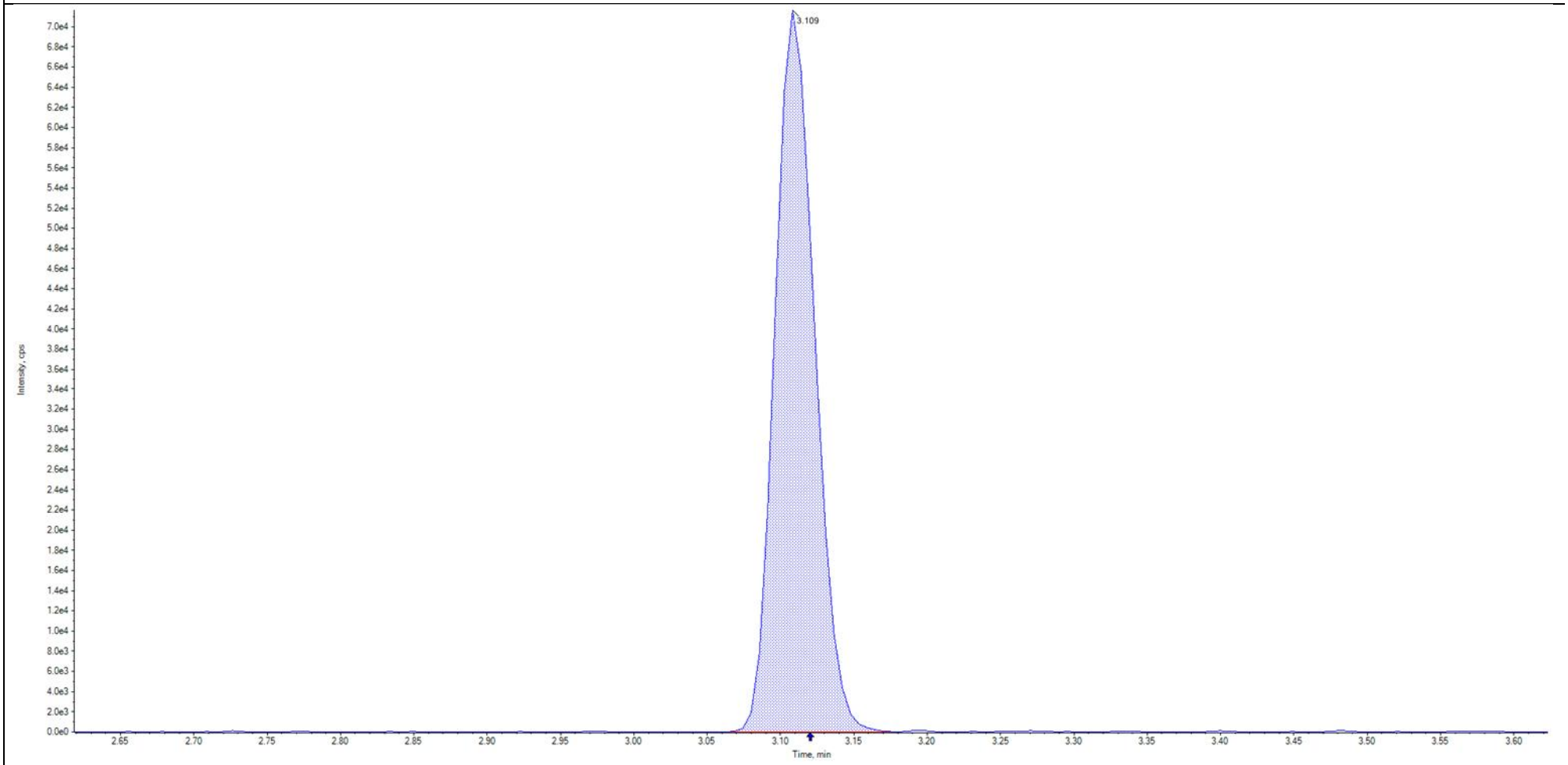
13C8-PFOS
Sample: WG2011094-1,1633LOW



13C2-4:2FTS
Sample: WG2011094-1,1633LOW

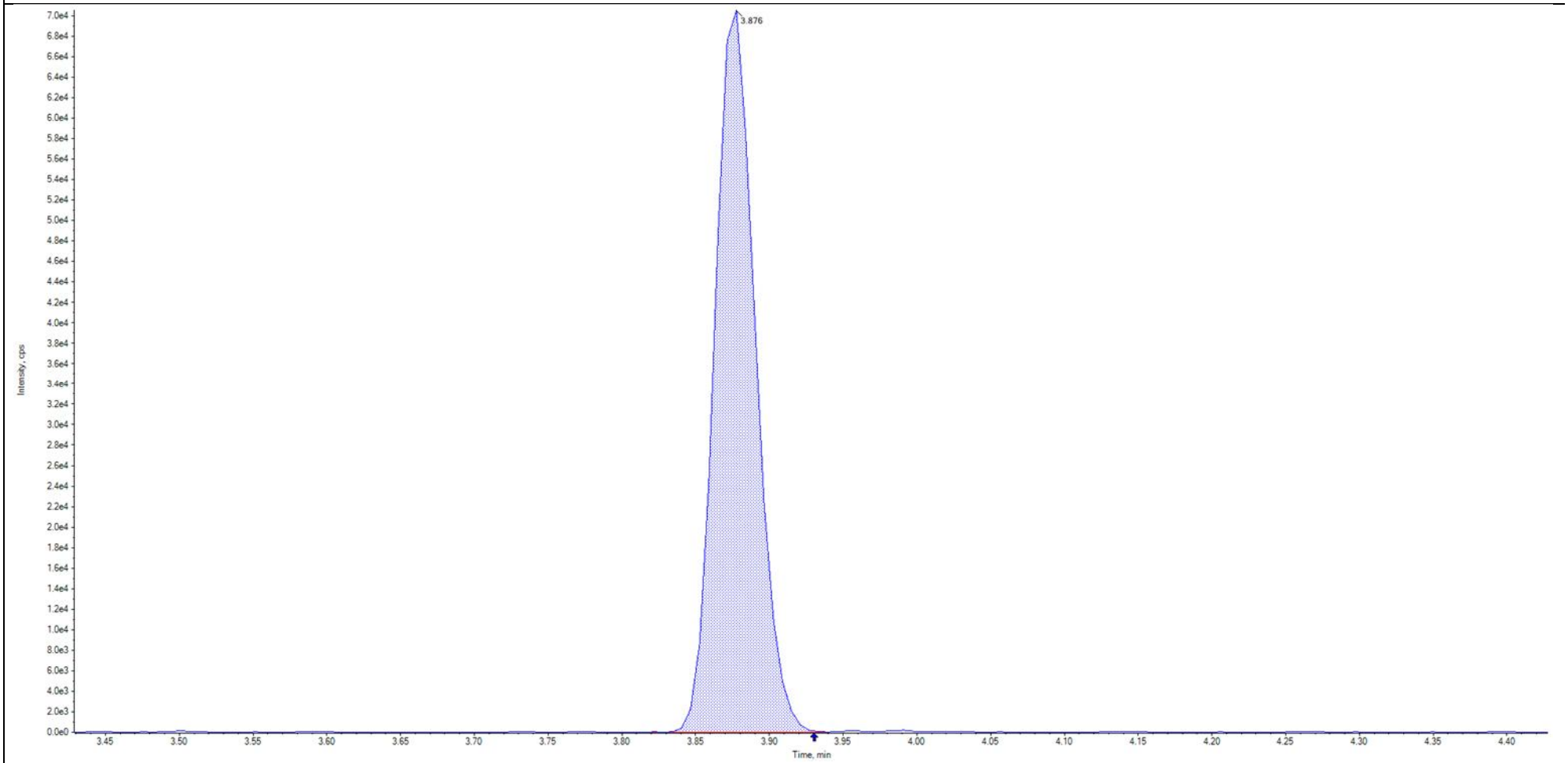


13C2-6:2FTS
Sample: WG2011094-1,1633LOW

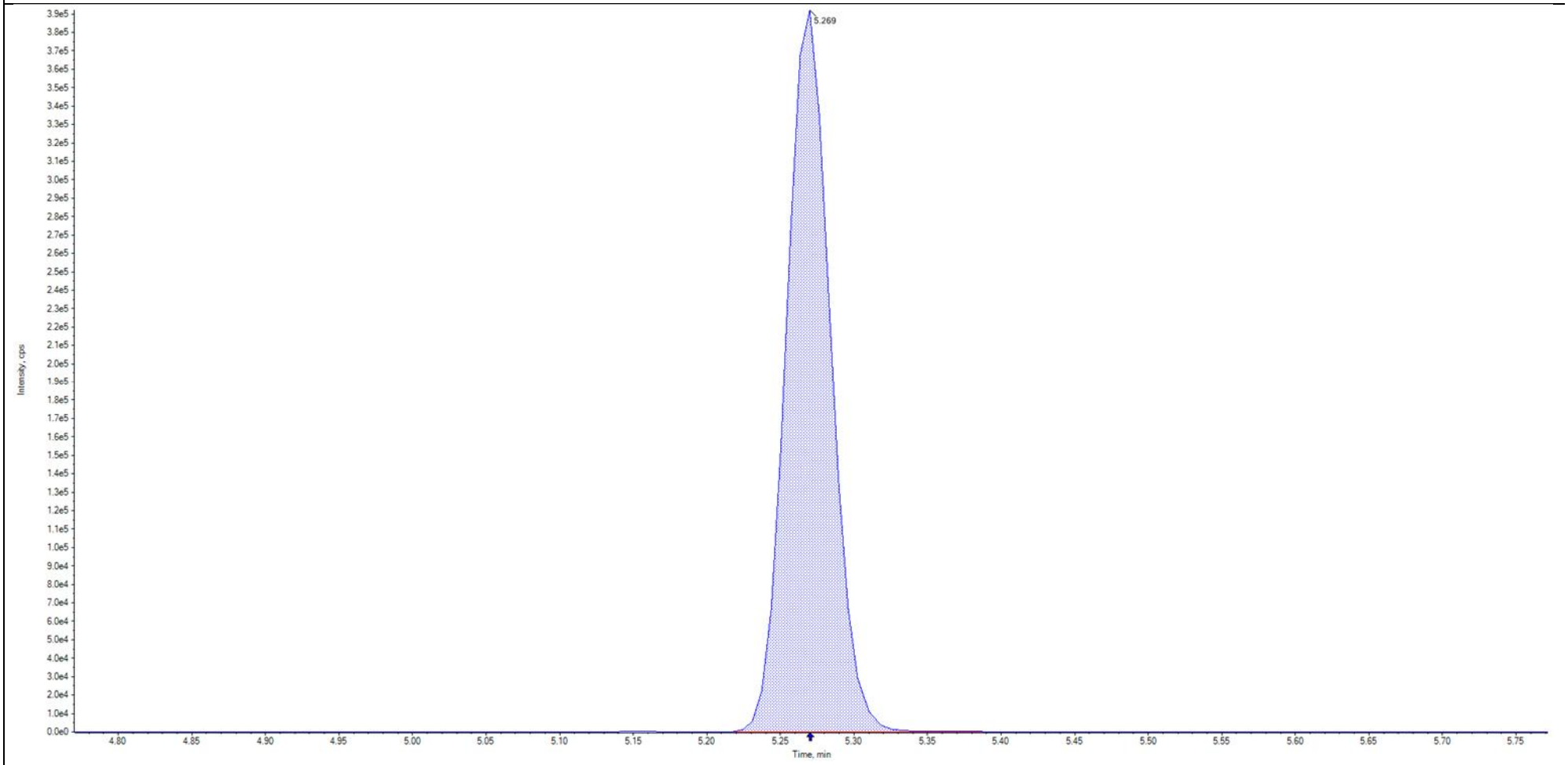


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

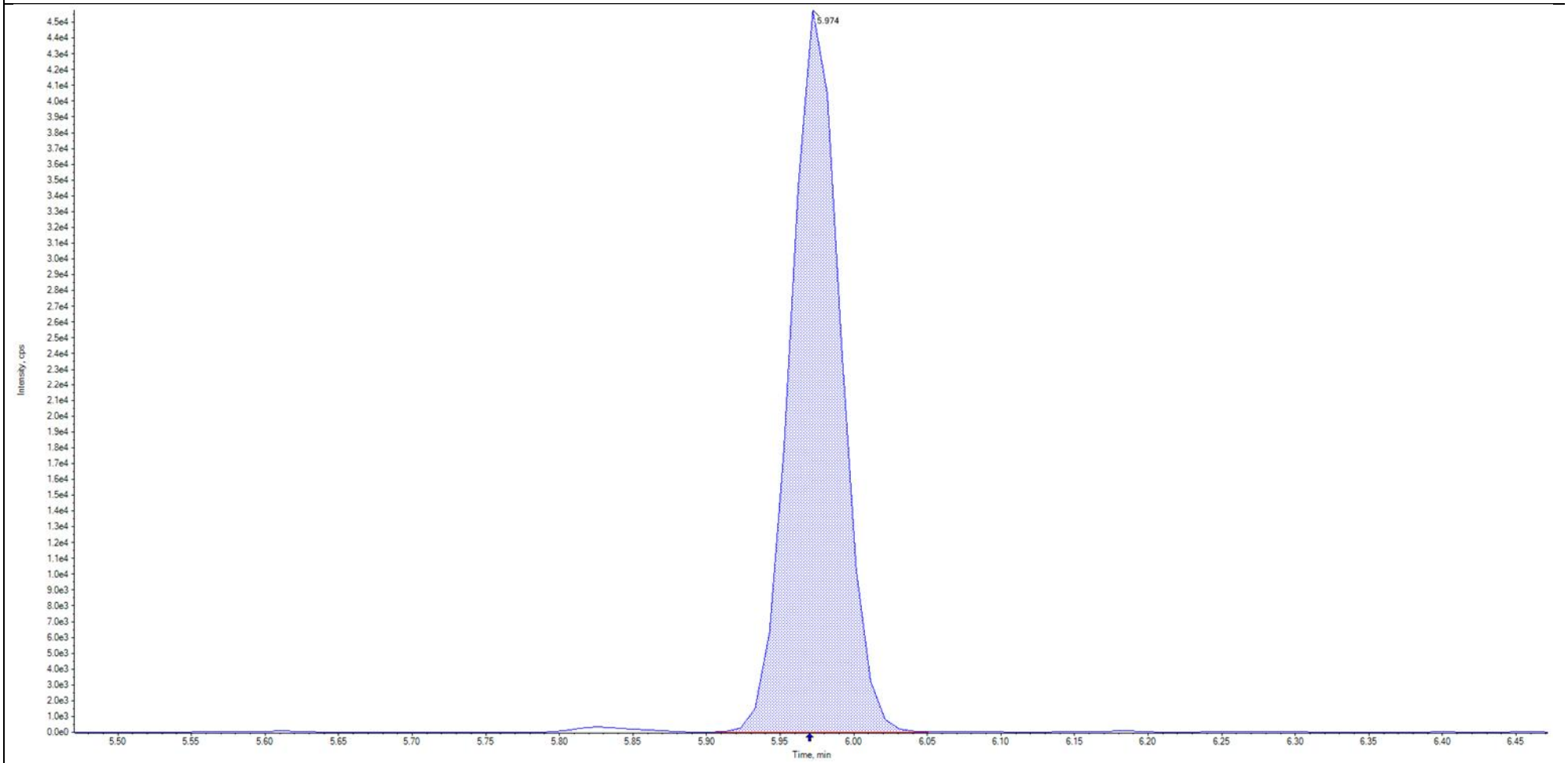
13C2-8:2FTS
Sample: WG2011094-1,1633LOW



13C8-PFOSA
Sample: WG2011094-1,1633LOW



d3-NMeFOSA
Sample: WG2011094-1,1633LOW



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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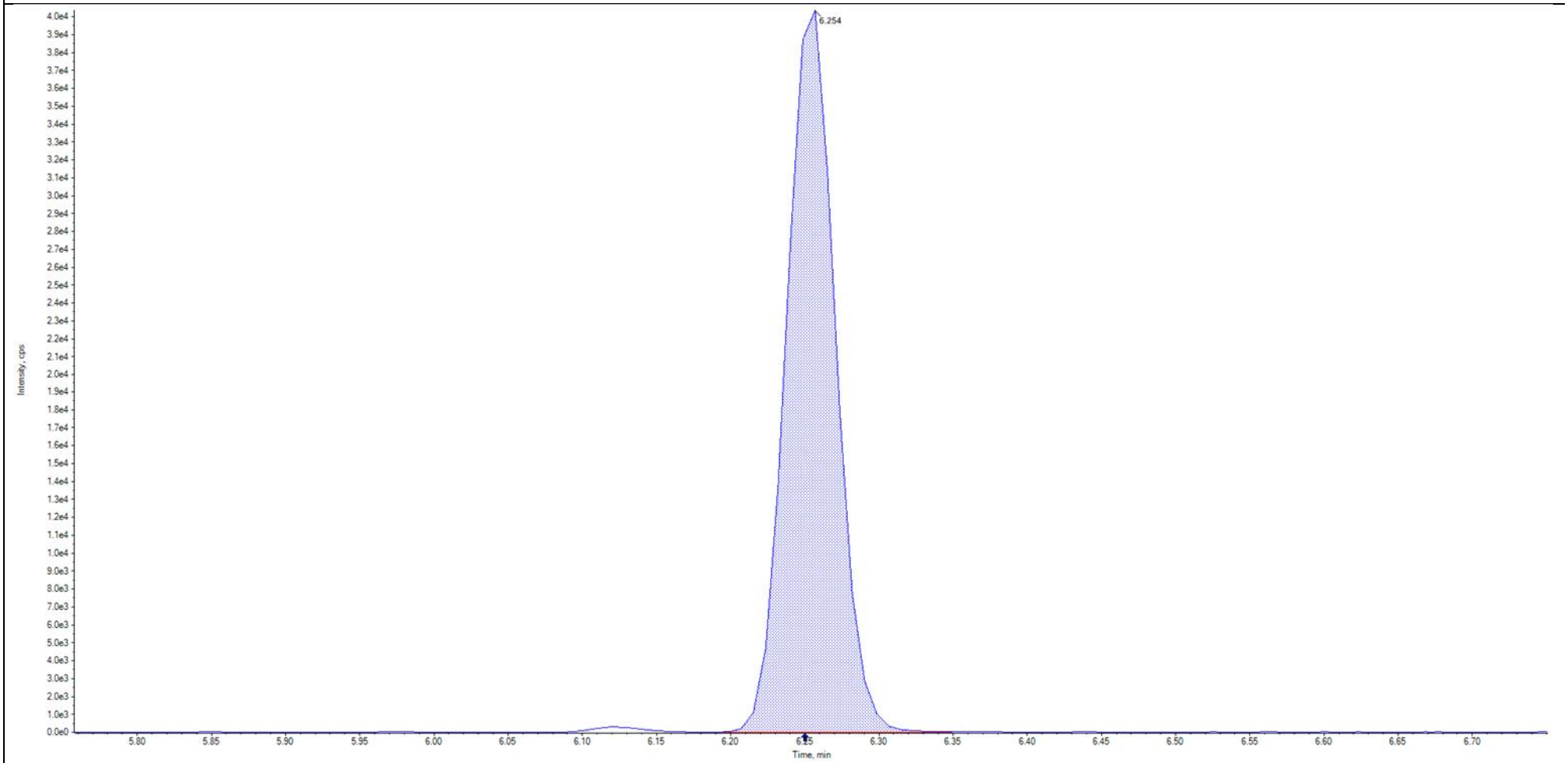
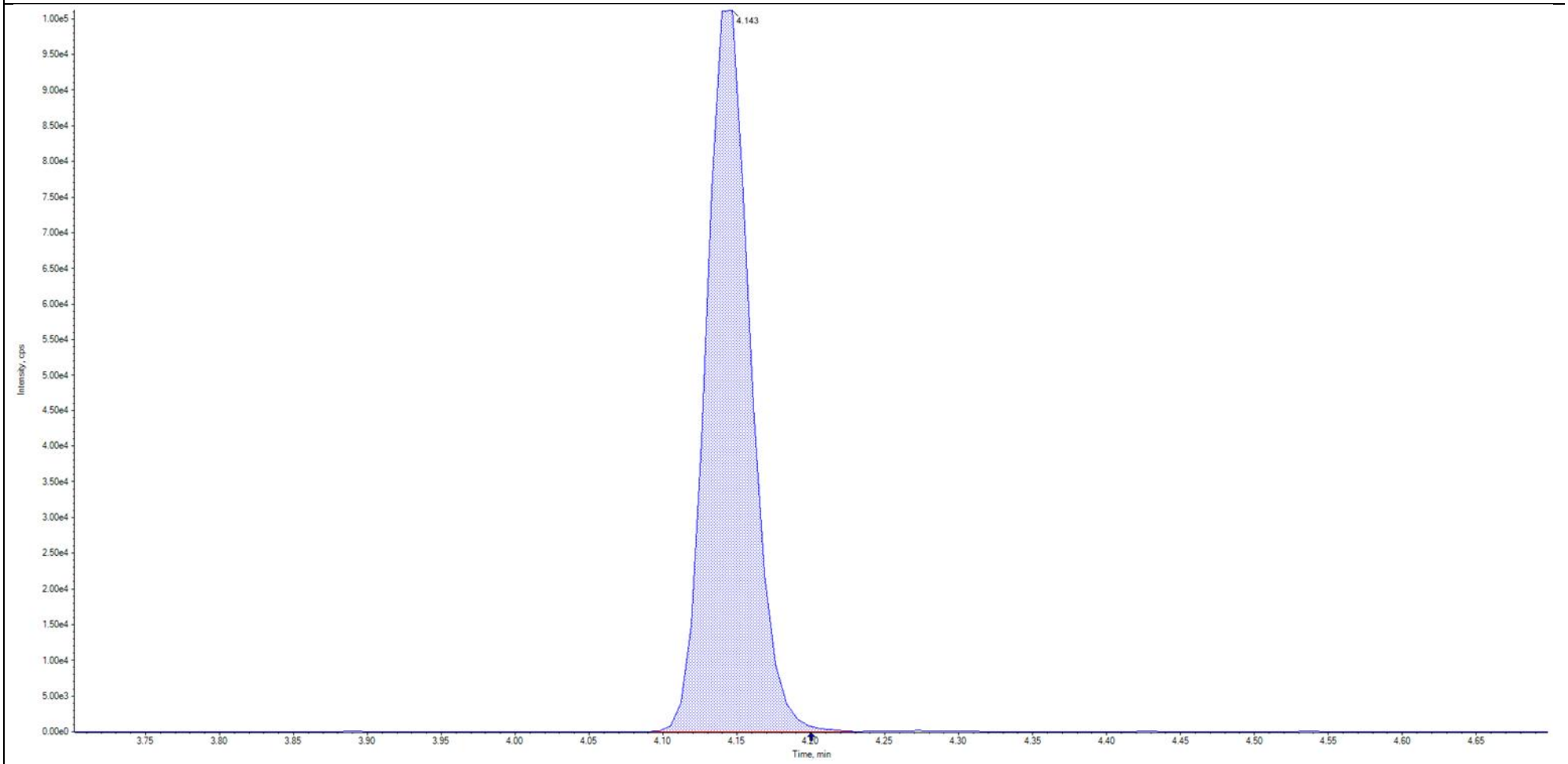
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

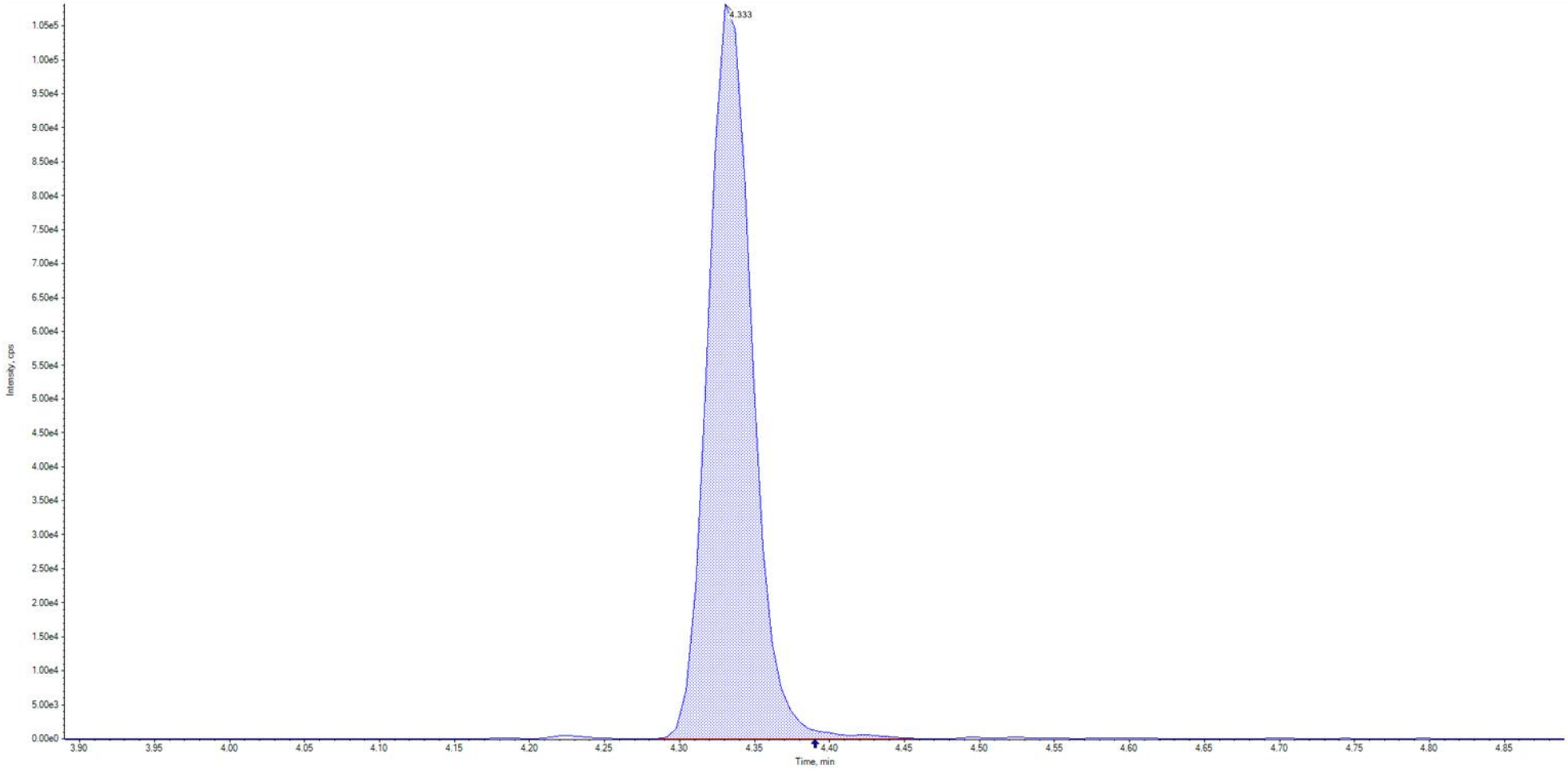
d5-NEtFOSA
Sample: WG2011094-1,1633LOW



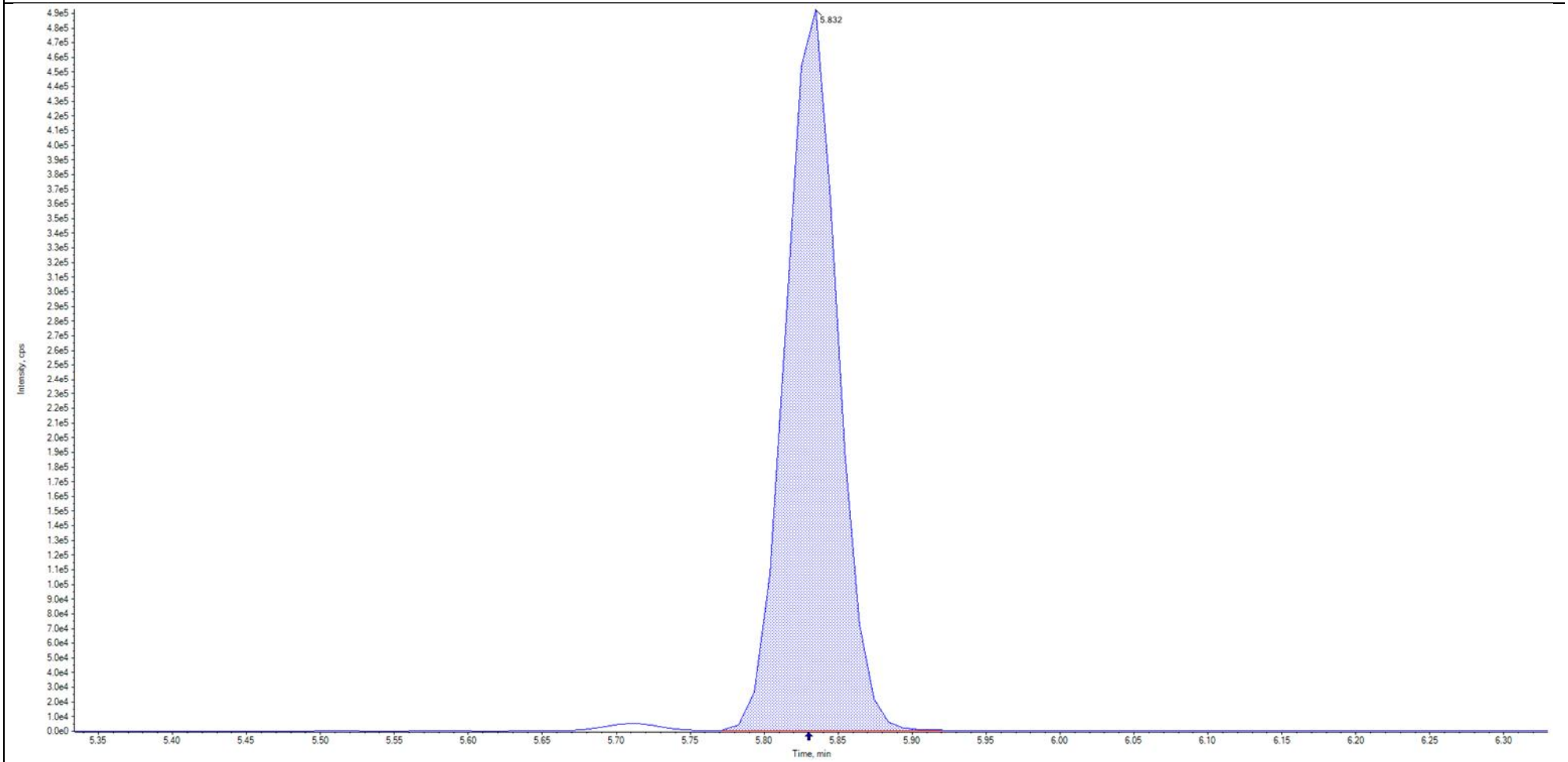
d3-NMeFOSAA
Sample: WG2011094-1,1633LOW



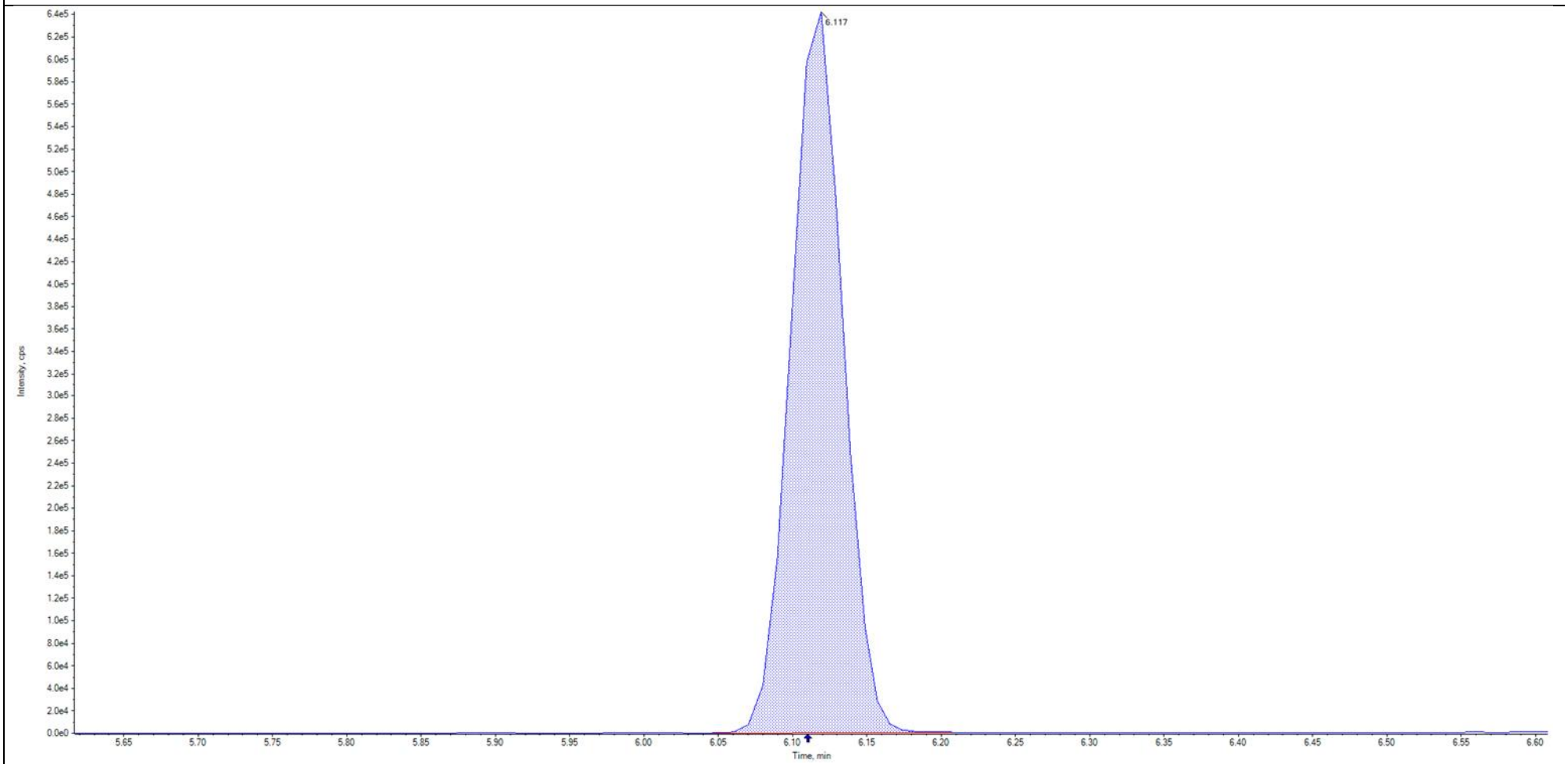
d5-NEtFOSAA
Sample: WG2011094-1,1633LOW



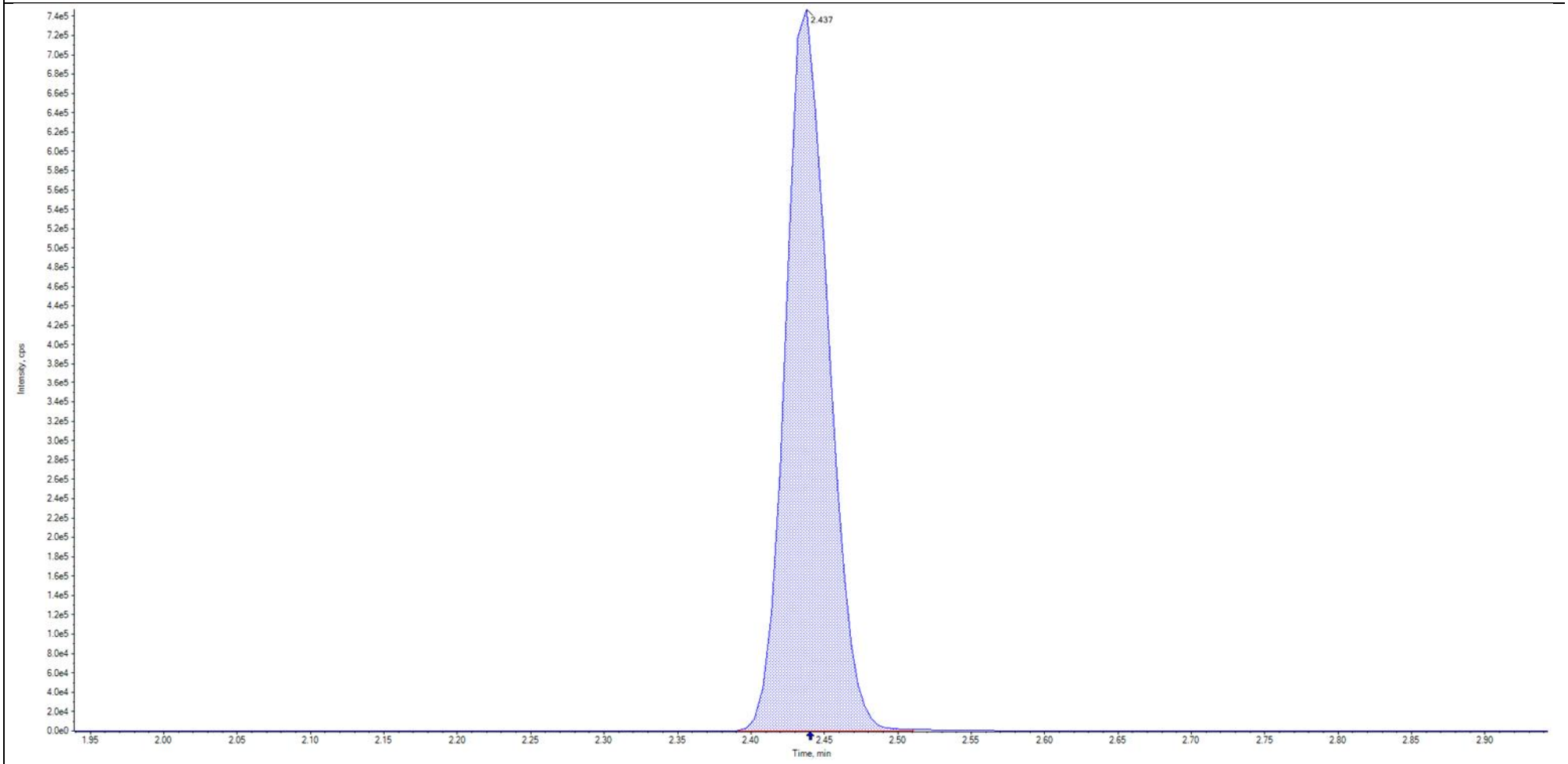
d7-NMeFOSE
Sample: WG2011094-1,1633LOW



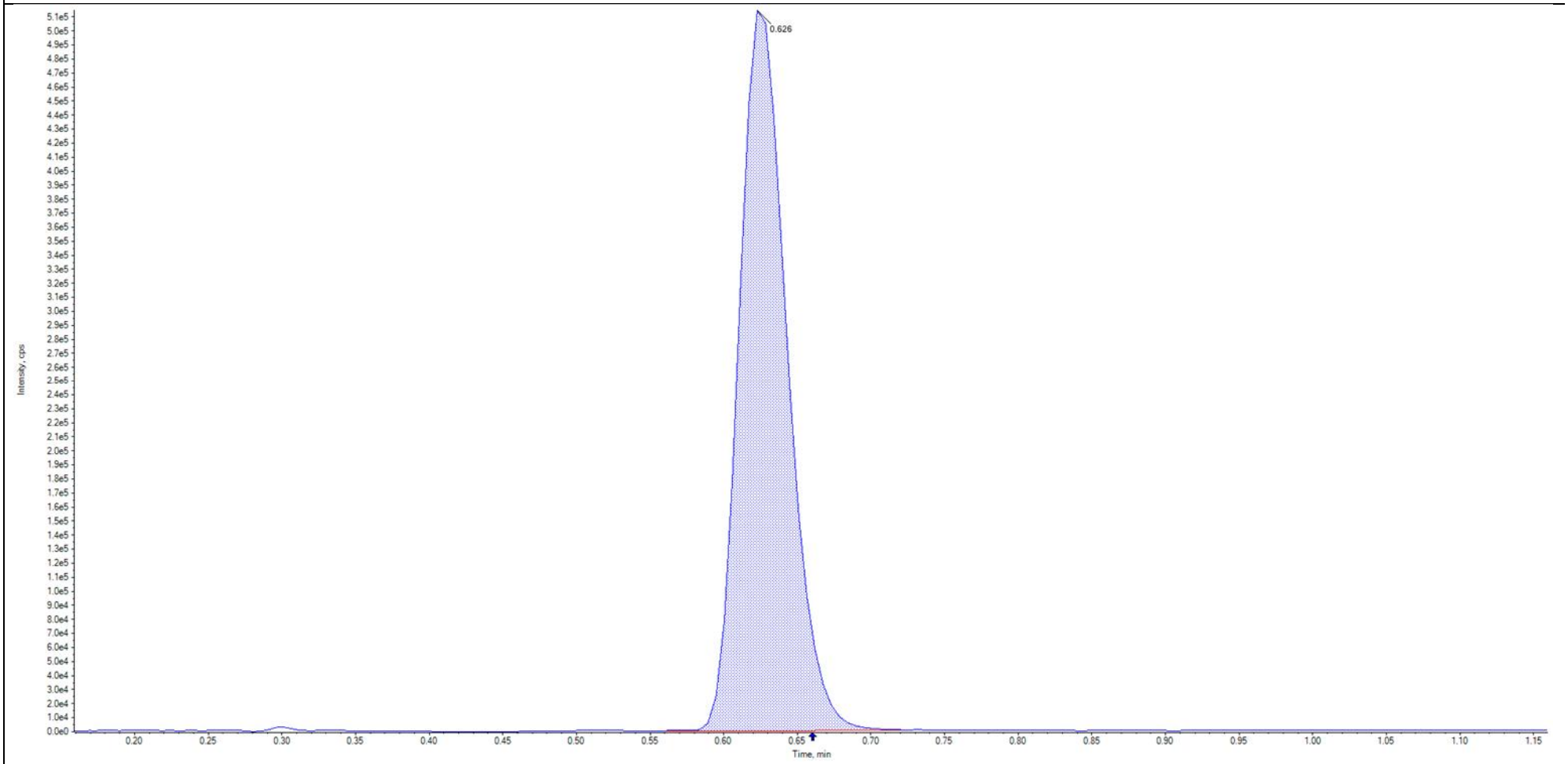
d9-NEtFOSE
Sample: WG2011094-1,1633LOW



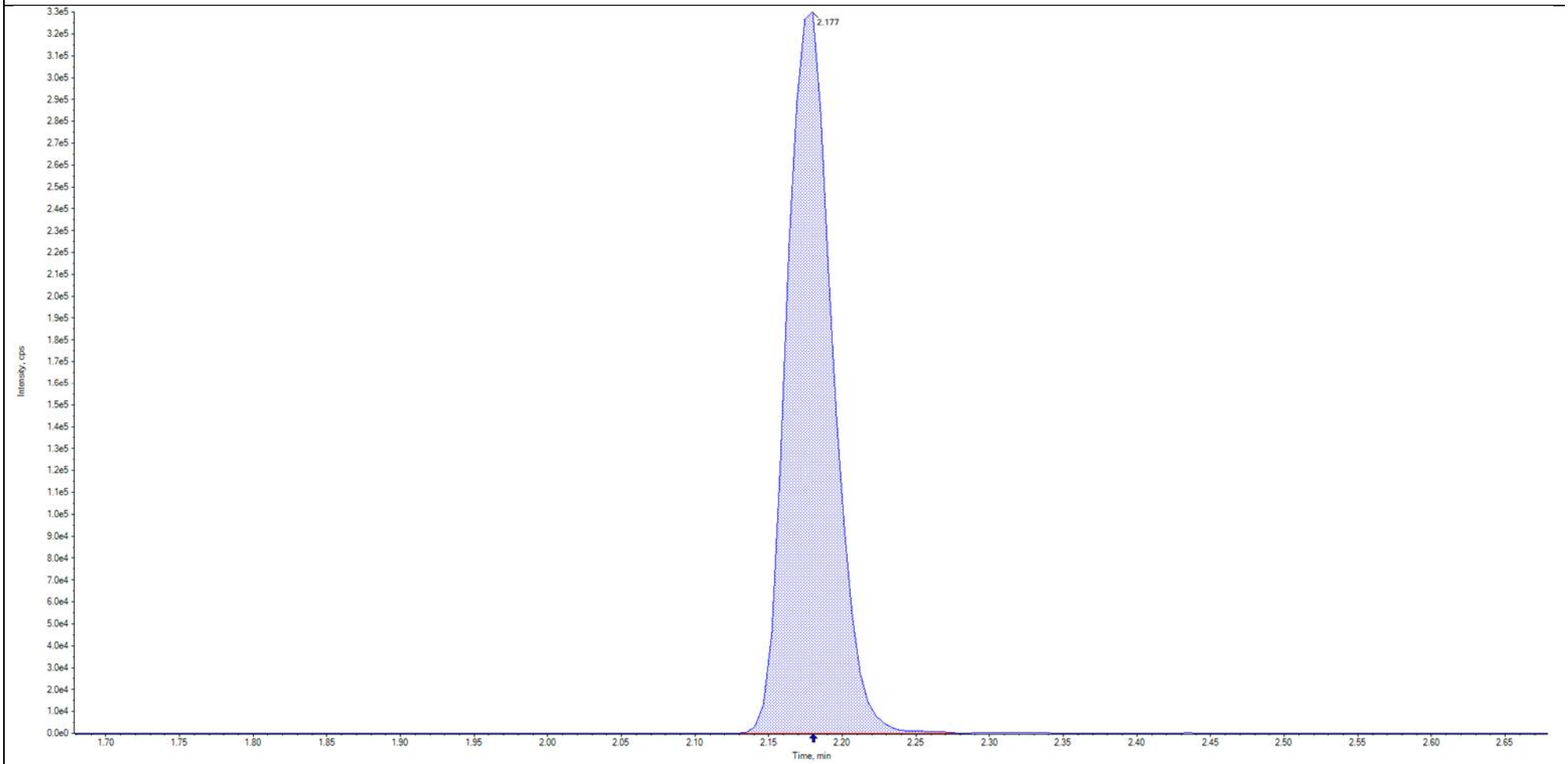
13C3-HFPO-DA
Sample: WG2011094-1,1633LOW



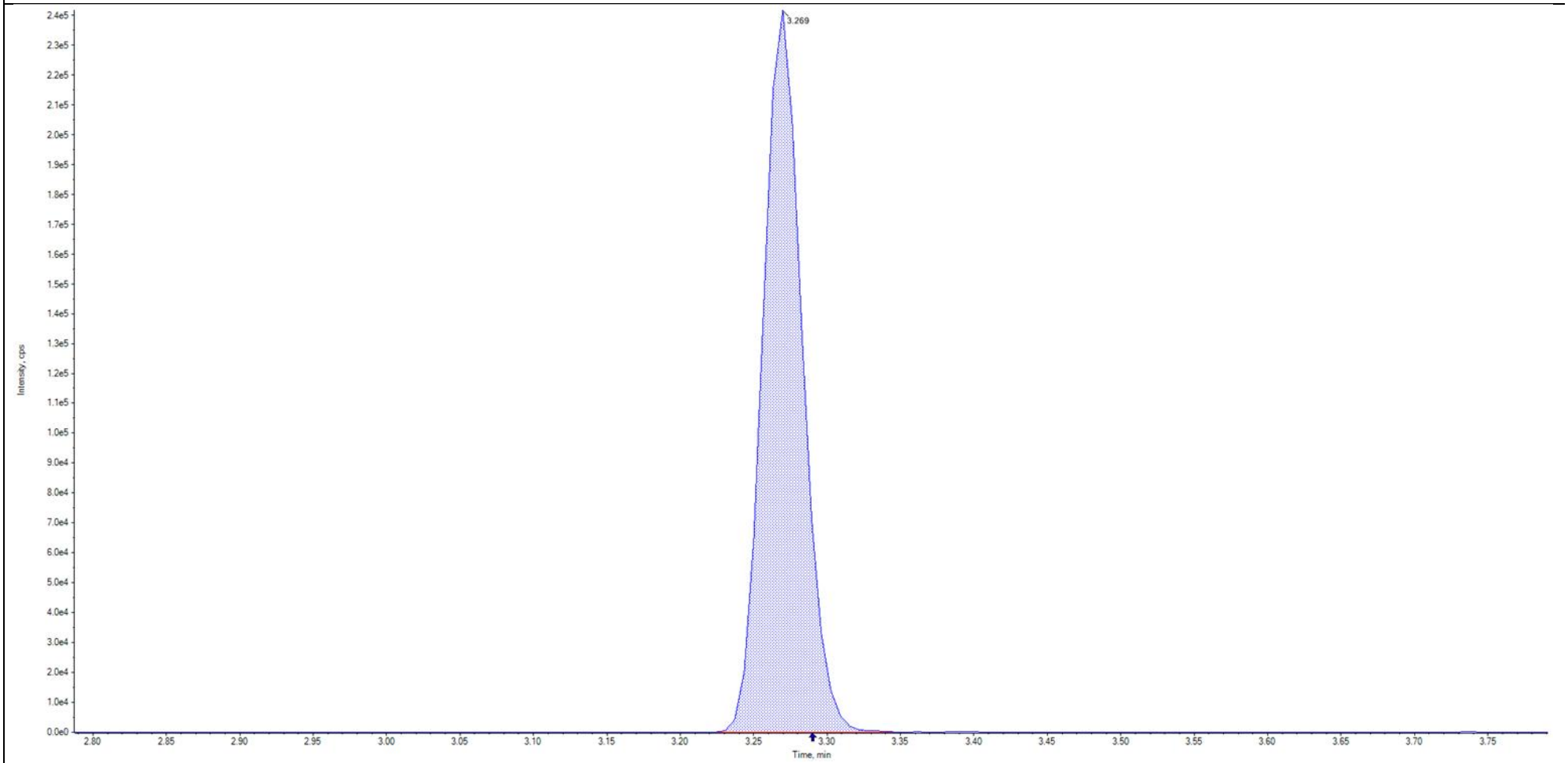
13C3-PFBA
Sample: WG2011094-1,1633LOW



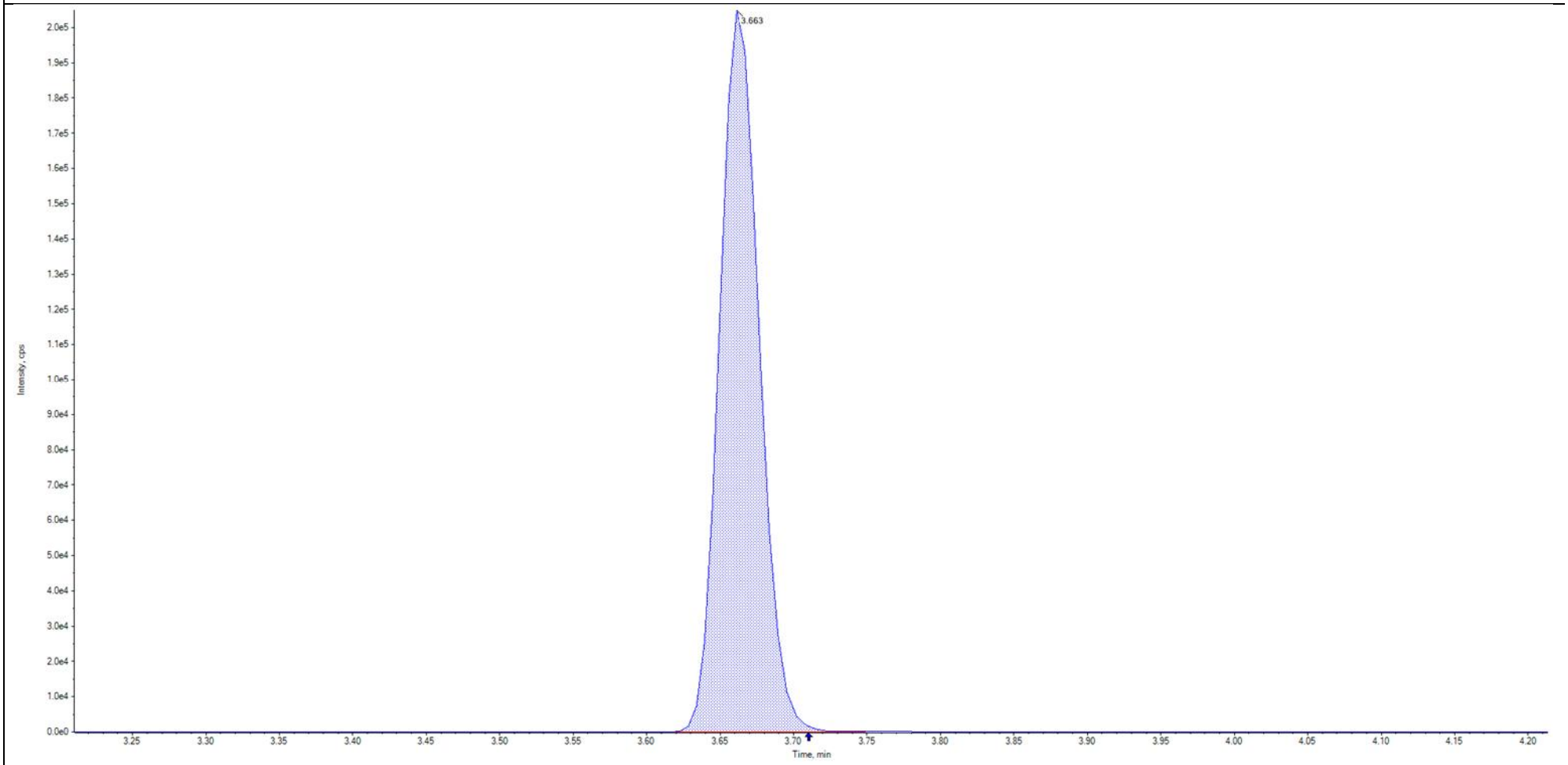
13C2-PFHxA
Sample: WG2011094-1,1633LOW



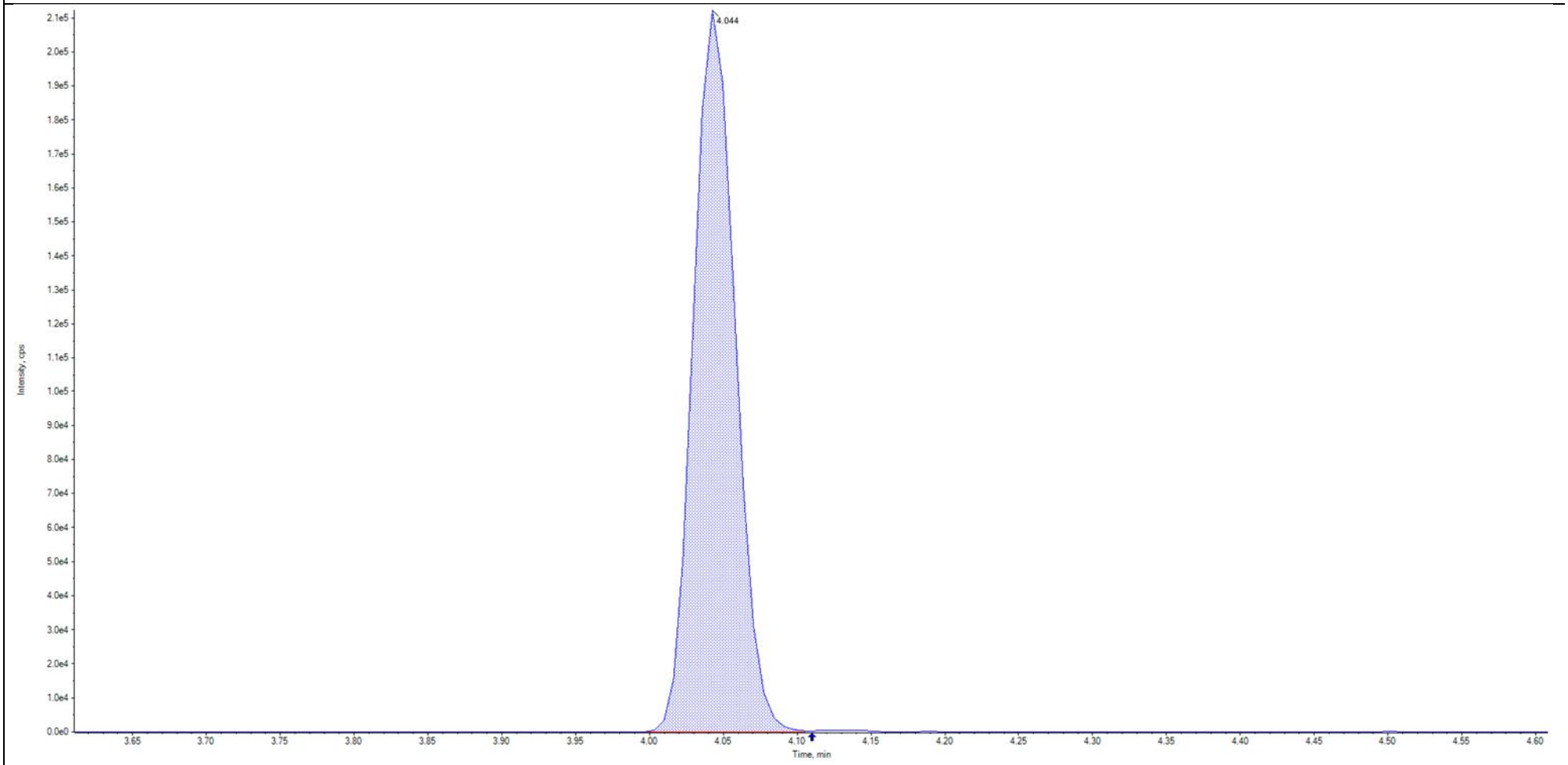
13C4-PFOA
Sample: WG2011094-1,1633LOW



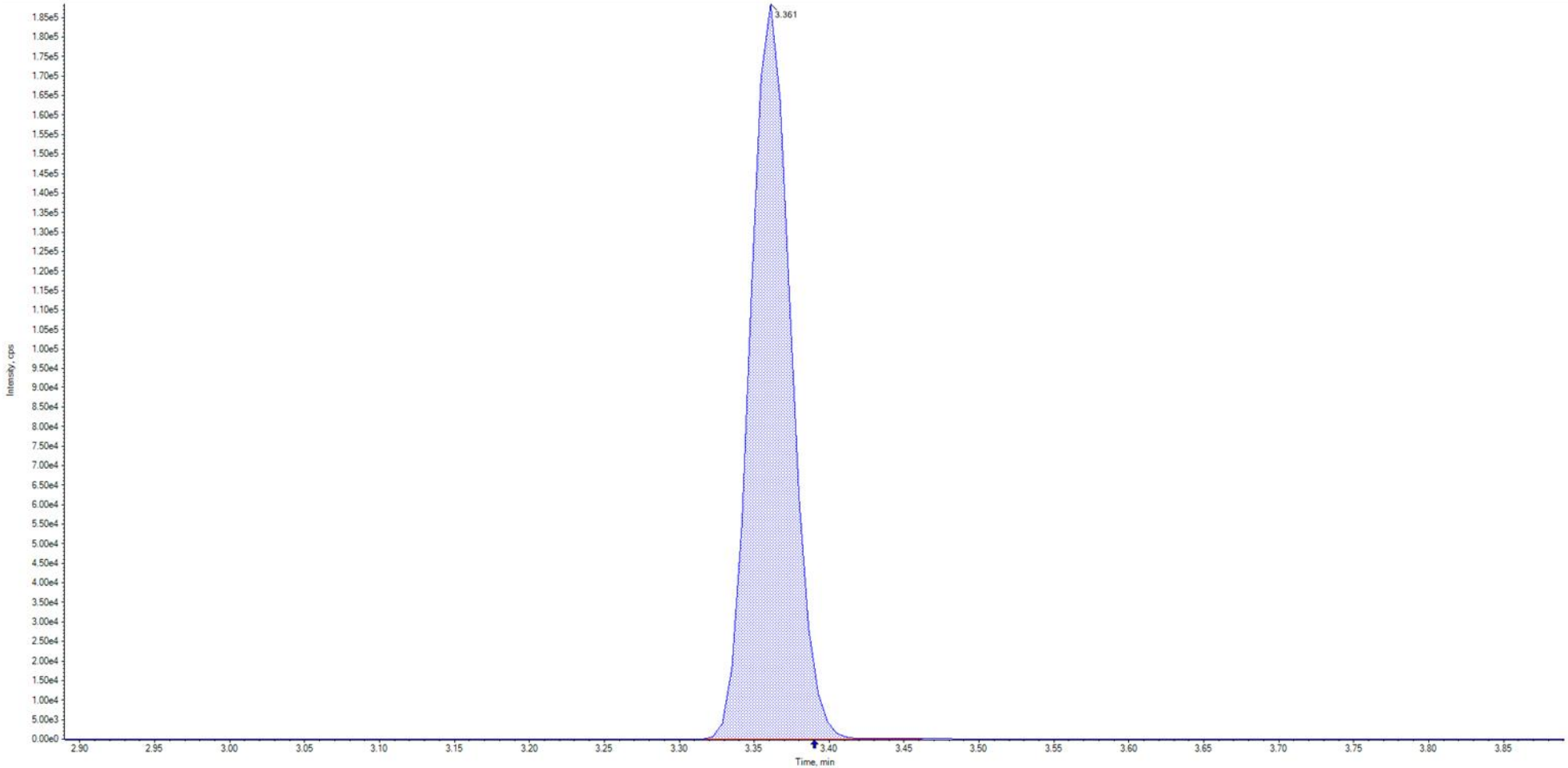
13C5-PFNA
Sample: WG2011094-1,1633LOW



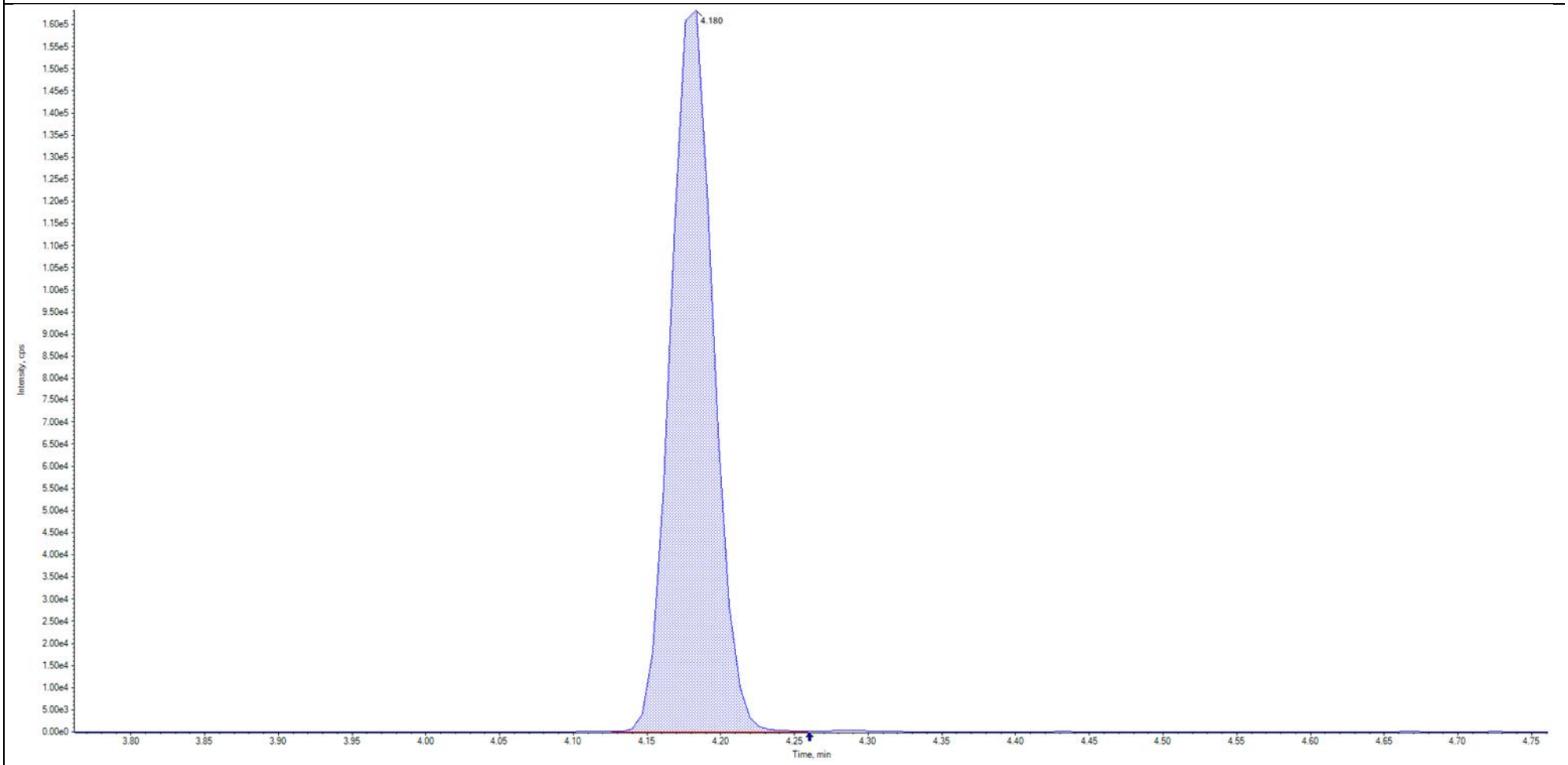
13C2-PFDA
Sample: WG2011094-1,1633LOW



18O2-PFHxS
Sample: WG2011094-1,1633LOW



13C4-PFOS
Sample: WG2011094-1,1633LOW



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_07.wiff2_3
Last Altered: 12/19/2024 11:24:41 AM
Generated: 12/19/2024 7:02:00 AM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

Method: EPA1633F.qmethod
Calibration: 241115_EPA1633_ICAL

ID: WG2011094-11,1633FMED
Name: SCI05_241219_61.wiff2
Date & Time: 2024-12-19T15:34:12
Description: WG2011094,WG2000000,ICAL21712,1633FMED
Instrument: SCIEX Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.66	213.0 / 169.0	4604234		22.782	N/A	N/A	N/A	113.9
2	PFPeA	2706-90-3	1.39	263.0 / 219.0	2098002		10.591	0.007	N/A	N/A	105.9
3	PFPeA_2	2706-90-3	1.39	263.0 / 68.9	14948		10.167	0.007	N/A	N/A	101.7
4	PFHxA	307-24-4	2.20	313.0 / 269.0	1549643		5.849	0.077	0.089	Pass	117.0
5	PFHxA_2	307-24-4	2.20	313.0 / 119.0	118702		6.070	0.077	0.089	Pass	121.4
6	PFHpA	375-85-9	2.84	363.1 / 319.0	1647619		5.551	0.321	0.332	Pass	111.0
7	PFHpA_2	375-85-9	2.84	363.1 / 169.0	529501		5.565	0.321	0.332	Pass	111.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.27	413.1 / 369.1	1589006	m5	5.126	0.369	0.369	Pass	102.5
9	PFOA_2	335-67-1	3.27	413.1 / 169.0	587128	m5	5.130	0.369	0.369	Pass	102.6
10	PFNA	375-95-1	3.66	462.8 / 418.9	1502617		5.294	0.297	0.303	Pass	105.9
11	PFNA_2	375-95-1	3.66	462.8 / 219.0	446050	m5	5.267	0.297	0.303	Pass	105.3
12	PFDA	335-76-2	4.04	513.1 / 469.1	1526773		5.506	0.160	0.162	Pass	110.1
13	PFDA_2	335-76-2	4.04	513.1 / 219.0	243905		5.327	0.160	0.162	Pass	106.6
14	PFUnA	2058-94-8	4.42	563.1 / 519.1	1277531		5.273	0.198	0.199	Pass	105.5
15	PFUnA_2	2058-94-8	4.42	563.1 / 269.0	252815		5.378	0.198	0.199	Pass	107.6
16	PFDoA	307-55-1	4.79	613.1 / 569.1	1369920		5.550	0.182	0.180	Pass	111.0
17	PFDoA_2	307-55-1	4.79	613.1 / 319.0	248798		5.450	0.182	0.180	Pass	109.0
18	PFTrDA	72629-94-8	5.15	663.1 / 619.1	1394681		5.698	0.149	0.160	Pass	114.0
19	PFTrDA_2	72629-94-8	5.15	663.1 / 169.0	207649		5.269	0.149	0.160	Pass	105.4
20	PFTeDA	376-06-7	5.51	713.1 / 669.1	1330165		5.391	0.139	0.149	Pass	107.8
21	PFTeDA_2	376-06-7	5.51	713.1 / 169.0	184470		5.124	0.139	0.149	Pass	102.5
22	PFBS	375-73-5	2.18	299.1 / 80.1	804219		4.135	0.424	0.388	Pass	93.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.18	299.1 / 99.1	341389		4.417	0.424	0.388	Pass	99.5
24	PFPeS	2706-91-4	2.89	349.1 / 80.1	916833		4.994	0.269	0.297	Pass	106.3
25	PFPeS_2	2706-91-4	2.89	349.1 / 99.1	246296		4.621	0.269	0.297	Pass	98.3
26	PFHxS	355-46-4	3.36	399.1 / 80.1	750714	m5	4.535	0.314	0.296	Pass	99.5
27	PFHxS_2	355-46-4	3.36	399.1 / 99.1	235766	m5	4.631	0.314	0.296	Pass	101.6
28	PFHpS	375-92-8	3.78	449.1 / 80.1	783357		4.872	0.294	0.258	Pass	102.4
29	PFHpS_2	375-92-8	3.78	449.1 / 99.1	230296		5.444	0.294	0.258	Pass	114.4
30	PFOS	1763-23-1	4.18	499.1 / 80.1	828812	m5	4.671	0.235	0.233	Pass	100.7
31	PFOS_2	1763-23-1	4.18	499.1 / 99.1	194441	m5	4.913	0.235	0.233	Pass	105.9
32	PFNS	68259-12-1	4.57	549.1 / 80.1	635465		5.441	0.282	0.296	Pass	113.4
33	PFNS_2	68259-12-1	4.57	549.1 / 99.1	179421		5.246	0.282	0.296	Pass	109.3
34	PFDS	335-77-3	4.94	599.1 / 80.1	620123		5.397	0.273	0.272	Pass	112.0
35	PFDS_2	335-77-3	4.94	599.1 / 99.1	169595		5.269	0.273	0.272	Pass	109.3
36	PFDoS	79780-39-5	5.66	699.2 / 80.1	600151		5.699	0.261	0.263	Pass	117.8
37	PFDoS_2	79780-39-5	5.66	699.2 / 99.1	156427		5.660	0.261	0.263	Pass	117.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.98	327.1 / 307.1	1114771		19.427	0.547	0.559	Pass	103.9
39	4:2FTS_2	757124-72-4	1.98	327.1 / 81.1	609289		18.813	0.547	0.559	Pass	100.6
40	6:2FTS	27619-97-2	3.11	427.2 / 407.2	925474		23.334	0.595	0.593	Pass	122.8
41	6:2FTS_2	27619-97-2	3.11	427.2 / 81.1	550712		22.372	0.595	0.593	Pass	117.8
42	8:2FTS	39108-34-4	3.87	527.2 / 507.2	600072		21.922	0.765	0.759	Pass	114.2
43	8:2FTS_2	39108-34-4	3.87	527.2 / 81.1	458841		22.574	0.765	0.759	Pass	117.6
44	PFOSA	754-91-6	5.27	498.1 / 78.1	1113329	m5	5.324	0.024	0.023	Pass	106.5
45	PFOSA_2	754-91-6	5.27	498.1 / 478.0	26869	m5	5.427	0.024	0.023	Pass	108.5
46	NMeFOSA	31506-32-8	5.98	512.2 / 219.0	235485		5.126	1.480	1.457	Pass	102.5
47	NMeFOSA_2	31506-32-8	5.92	512.2 / 169.0	348618	m5	5.225	1.480	1.457	Pass	104.5
48	NEtFOSA	4151-50-2	6.26	526.2 / 219.0	242831		5.394	1.223	1.309	Pass	107.9
49	NEtFOSA_2	4151-50-2	6.23	526.2 / 169.0	296923		5.026	1.223	1.309	Pass	100.5
50	NMeFOSAA	2355-31-9	4.14	570.2 / 419.1	160293	m5	5.601	0.827	0.804	Pass	112.0
51	NMeFOSAA_2	2355-31-9	4.14	570.2 / 483.0	132543		6.068	0.827	0.804	Pass	121.4
52	NEtFOSAA	2991-50-6	4.34	584.2 / 419.1	211617		5.166	0.463	0.419	Pass	103.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.34	584.2 / 526.2	98036		5.429	0.463	0.419	Pass	108.6
54	NMeFOSE	24448-09-7	5.85	616.1 / 58.9	6551841	m5	52.594	N/A	N/A	N/A	105.2
55	NEtFOSE	1691-99-2	6.13	630.0 / 58.9	10576641		52.891	N/A	N/A	N/A	105.8
56	HFPO-DA	13252-13-6	2.45	285.0 / 169.0	2918149		20.644	0.720	0.685	Pass	103.2
57	HFPO-DA_2	13252-13-6	2.45	285.0 / 184.9	2100739		22.702	0.720	0.685	Pass	113.5
58	ADONA	919005-14-4	3.00	376.9 / 251.0	7444147		29.110	0.783	0.884	Pass	154.0
59	ADONA_2	919005-14-4	3.00	376.9 / 84.8	5831524		22.669	0.783	0.884	Pass	119.9
60	9Cl-PF3ONS	756426-58-1	4.44	530.8 / 351.1	8320164		21.740	0.333	0.325	Pass	116.3
61	9Cl-PF3ONS_2	756426-58-1	4.44	532.8 / 353.0	2767274		22.173	0.333	0.325	Pass	118.6
62	11Cl-PF3OUdS	763051-92-9	5.19	630.9 / 451.0	5591594		22.214	0.347	0.338	Pass	117.5
63	11Cl-PF3OUdS_2	763051-92-9	5.19	632.9 / 452.9	1939527		21.961	0.347	0.338	Pass	116.2
64	3:3FTCA	356-02-5	1.80	241.1 / 177.1	331192		29.529	1.528	1.433	Pass	118.1
65	3:3FTCA_2	356-02-5	1.80	241.1 / 117.0	506067		29.339	1.528	1.433	Pass	117.4
66	5:3FTCA	914637-49-3	3.27	341.1 / 237.1	10376853		165.814	0.879	0.935	Pass	132.7
67	5:3FTCA_2	914637-49-3	3.27	341.1 / 217.0	9119598		157.445	0.879	0.935	Pass	126.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.18	441.1 / 316.9	6150853		136.391	1.680	1.712	Pass	109.1
69	7:3FTCA_2	812-70-4	4.18	441.1 / 337.1	10333816		152.667	1.680	1.712	Pass	122.1
70	PFEESA	113507-82-7	2.54	315.1 / 135.0	5763114		11.038	0.083	0.084	Pass	123.7
71	PFEESA_2	113507-82-7	2.54	315.1 / 82.9	478488		10.752	0.083	0.084	Pass	120.5
72	PFMPA	377-73-1	0.85	229.0 / 85.0	2756975		10.183	N/A	N/A	N/A	101.8
73	PFMBA	863090-89-5	1.69	279.0 / 85.0	2991160		10.436	N/A	N/A	N/A	104.4
74	NFDHA	151772-58-6	2.12	295.0 / 201.0	1260272		13.972	0.721	0.781	Pass	139.7
75	NFDHA_2	151772-58-6	2.11	295.0 / 84.9	908578		13.113	0.721	0.781	Pass	131.1
76	TDCA	516-50-7	2.98	499.1 / 124.1	3843251		10.364	5.308	5.150	Pass	103.6
77	TDCA_2	516-50-7	2.98	499.1 / 79.9	20398699		10.468	5.308	5.150	Pass	104.7
78	13C2D4-4:2FTS	Surr	1.97	333.2 / 312.1	173944		4.589	N/A	N/A	N/A	91.8
79	13C2-PFOA	Surr	3.27	415.0 / 370.0	427707		2.408	N/A	N/A	N/A	96.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.66	217.0 / 172.0	2396172		9.919	NA	NA	NA	99.2

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C5-PFPeA	EIS	1.39	268.0 / 223.0	1144137		4.916	NA	NA	NA	98.3
13C5-PFHxA	EIS	2.19	318.0 / 273.0	432167		2.161	NA	NA	NA	86.4
13C4-PFHpA	EIS	2.83	367.0 / 322.0	311576		2.268	NA	NA	NA	90.7
13C8-PFOA	EIS	3.27	420.8 / 376.0	1065440		2.101	NA	NA	NA	84.0
13C9-PFNA	EIS	3.66	472.0 / 427.0	418915		1.270	NA	NA	NA	101.6
13C6-PFDA	EIS	4.04	519.0 / 474.0	423662		1.205	NA	NA	NA	96.4
13C7-PFUnA	EIS	4.41	570.0 / 525.0	393010		1.295	NA	NA	NA	103.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.78	615.1 / 570.0	323275		1.279	NA	NA	NA	102.3
	13C2-PFTeDA	EIS	5.51	715.1 / 670.1	275374		1.217	NA	NA	NA	97.3
	13C3-PFBS	EIS	2.18	302.1 / 80.1	473359		2.365	NA	NA	NA	101.5
	13C3-PFHxS	EIS	3.36	402.1 / 80.1	393167		2.266	NA	NA	NA	95.6
	13C8-PFOS	EIS	4.17	507.1 / 80.1	428299		2.603	NA	NA	NA	108.5
	13C2-4:2FTS	EIS	1.98	329.1 / 81.1	146641		4.415	NA	NA	NA	94.1
	13C2-6:2FTS	EIS	3.11	429.2 / 81.1	120183		3.916	NA	NA	NA	82.3
	13C2-8:2FTS	EIS	3.87	529.2 / 81.1	118936		4.313	NA	NA	NA	89.8

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.27	506.1 / 78.1	757838		2.889	NA	NA	NA	115.6
d3-NMeFOSA	EIS	5.97	515.2 / 219.0	111754		2.897	NA	NA	NA	115.9
d5-NEtFOSA	EIS	6.25	531.2 / 219.0	104252		2.899	NA	NA	NA	116.0
d3-NMeFOSAA	EIS	4.14	573.2 / 419.1	195221		4.808	NA	NA	NA	96.2
d5-NEtFOSAA	EIS	4.33	589.3 / 419.1	212322		5.437	NA	NA	NA	108.7
d7-NMeFOSE	EIS	5.83	623.2 / 58.9	1205573		26.437	NA	NA	NA	105.7
d9-NEtFOSE	EIS	6.11	639.2 / 58.9	1745628		26.416	NA	NA	NA	105.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.44	287.0 / 169.0	1530558		10.502	NA	NA	NA	105.0
	13C3-PFBA	NIS	0.66	216.0 / 172.0	1074585		5.432	NA	NA	NA	108.6
	13C2-PFHxA	NIS	2.19	315.0 / 270.0	699336		2.660	NA	NA	NA	106.4
	13C4-PFOA	NIS	3.26	417.0 / 372.0	499353		2.882	NA	NA	NA	115.3
	13C5-PFNA	NIS	3.65	468.0 / 423.0	372047		1.196	NA	NA	NA	95.7
	13C2-PFDA	NIS	4.04	515.1 / 470.1	408818		1.291	NA	NA	NA	103.2
	18O2-PFHxS	NIS	3.36	403.1 / 84.1	351405		2.486	NA	NA	NA	104.9
	13C4-PFOS	NIS	4.17	503.1 / 80.1	285759		2.308	NA	NA	NA	96.2

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

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PFBA
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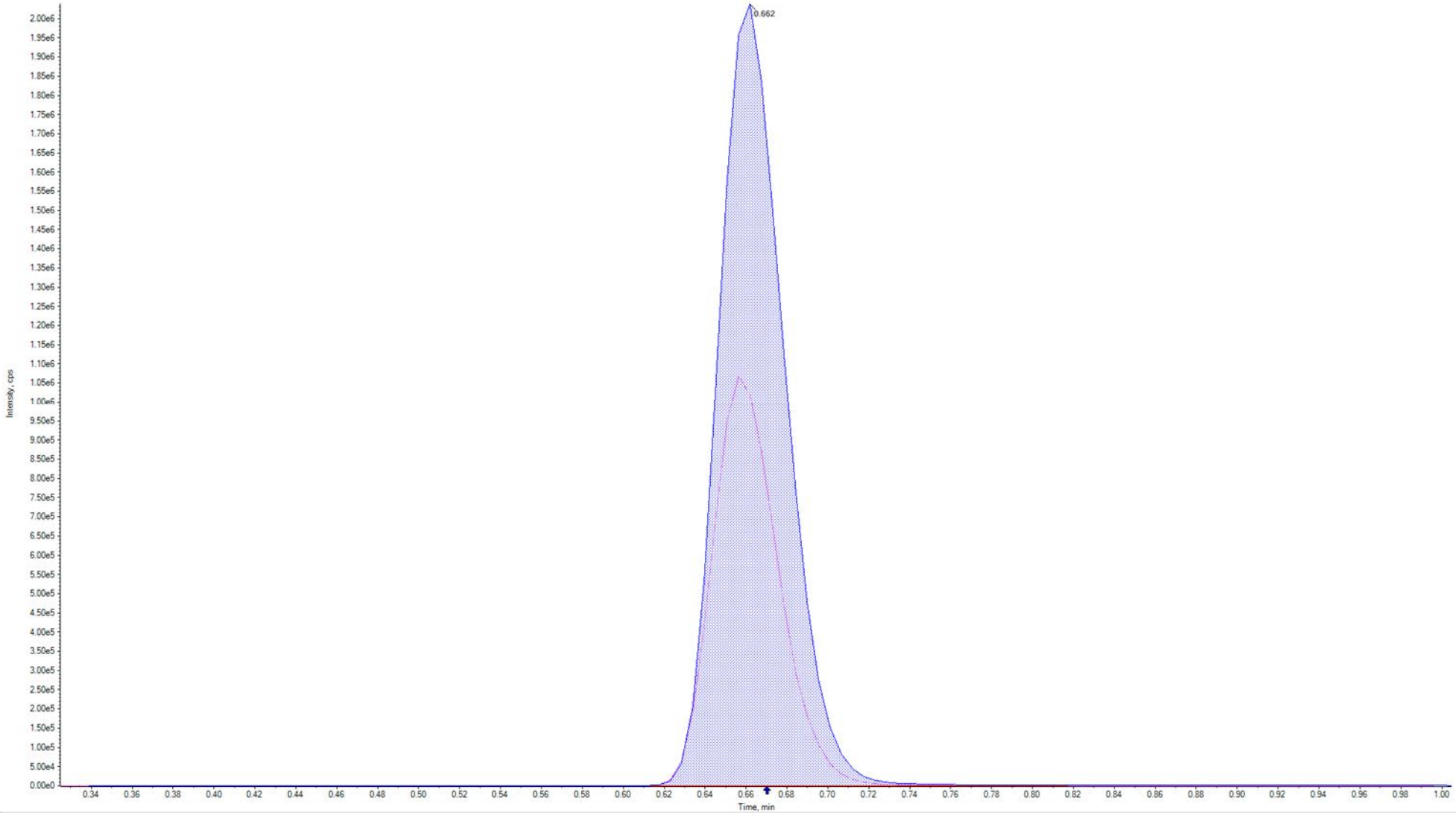

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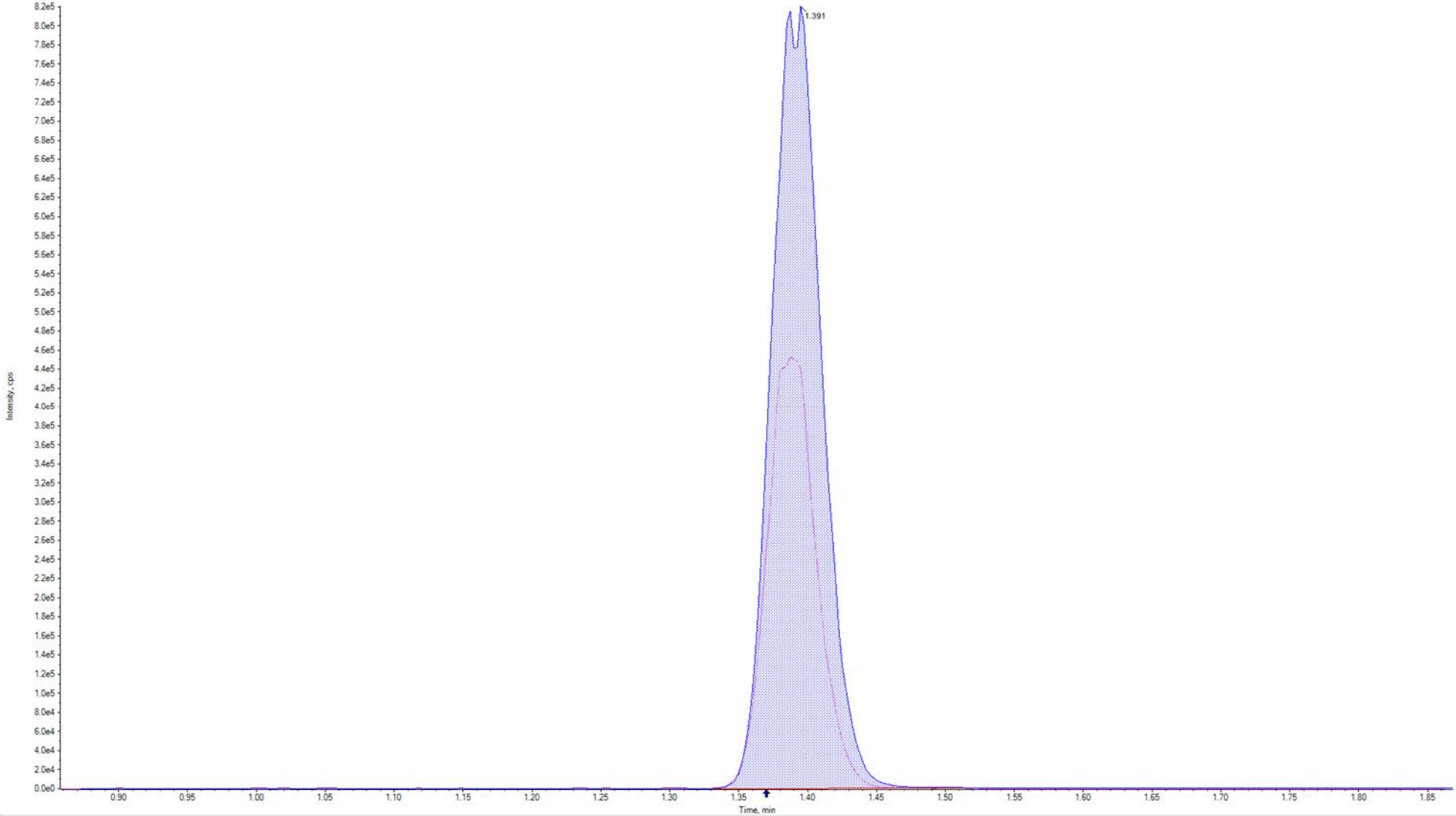
PFPeA
Sample: WG2011094-11,1633FMED S/N:8455.9 Points Across peak:66



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PFPeA_2
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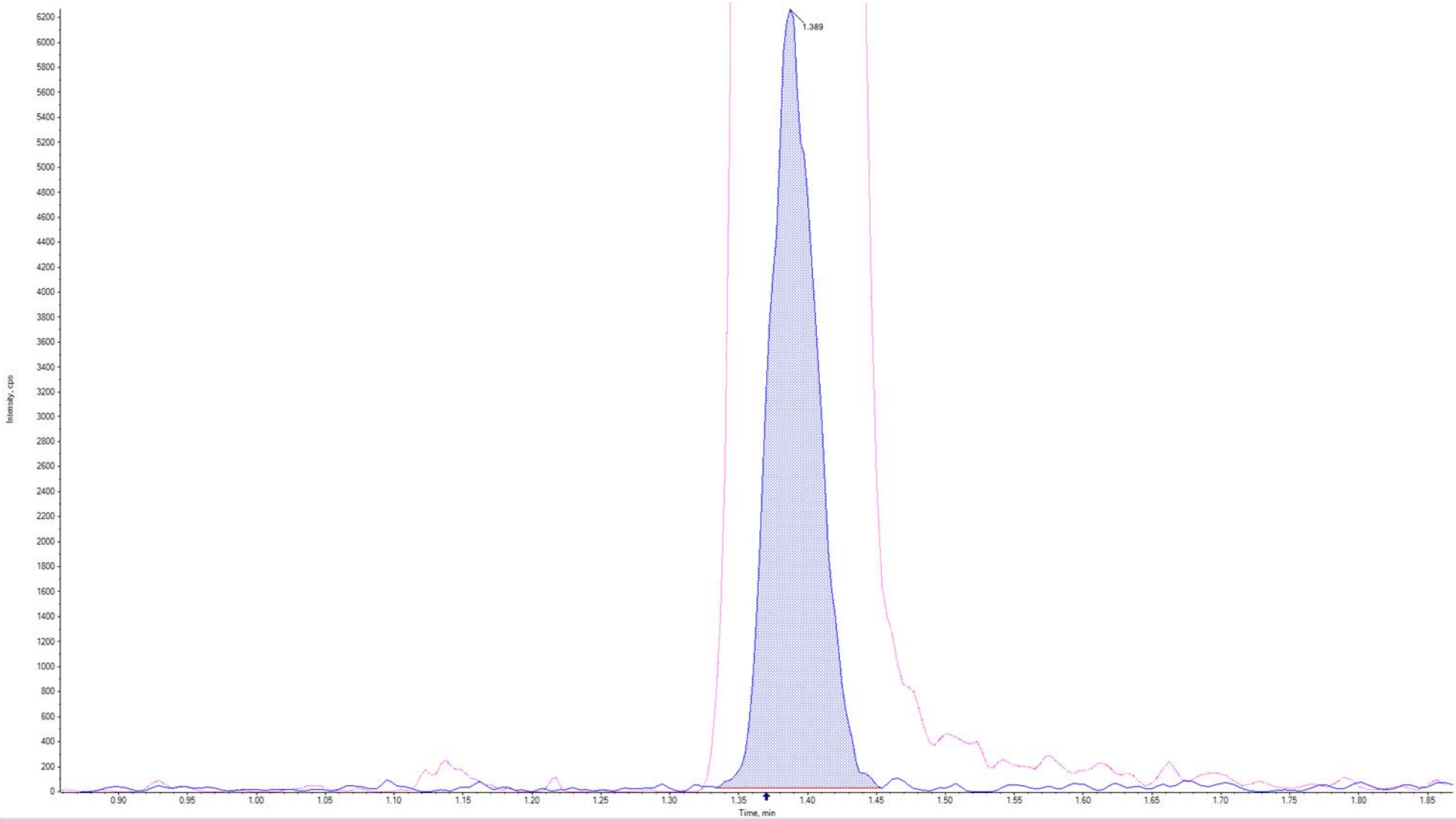

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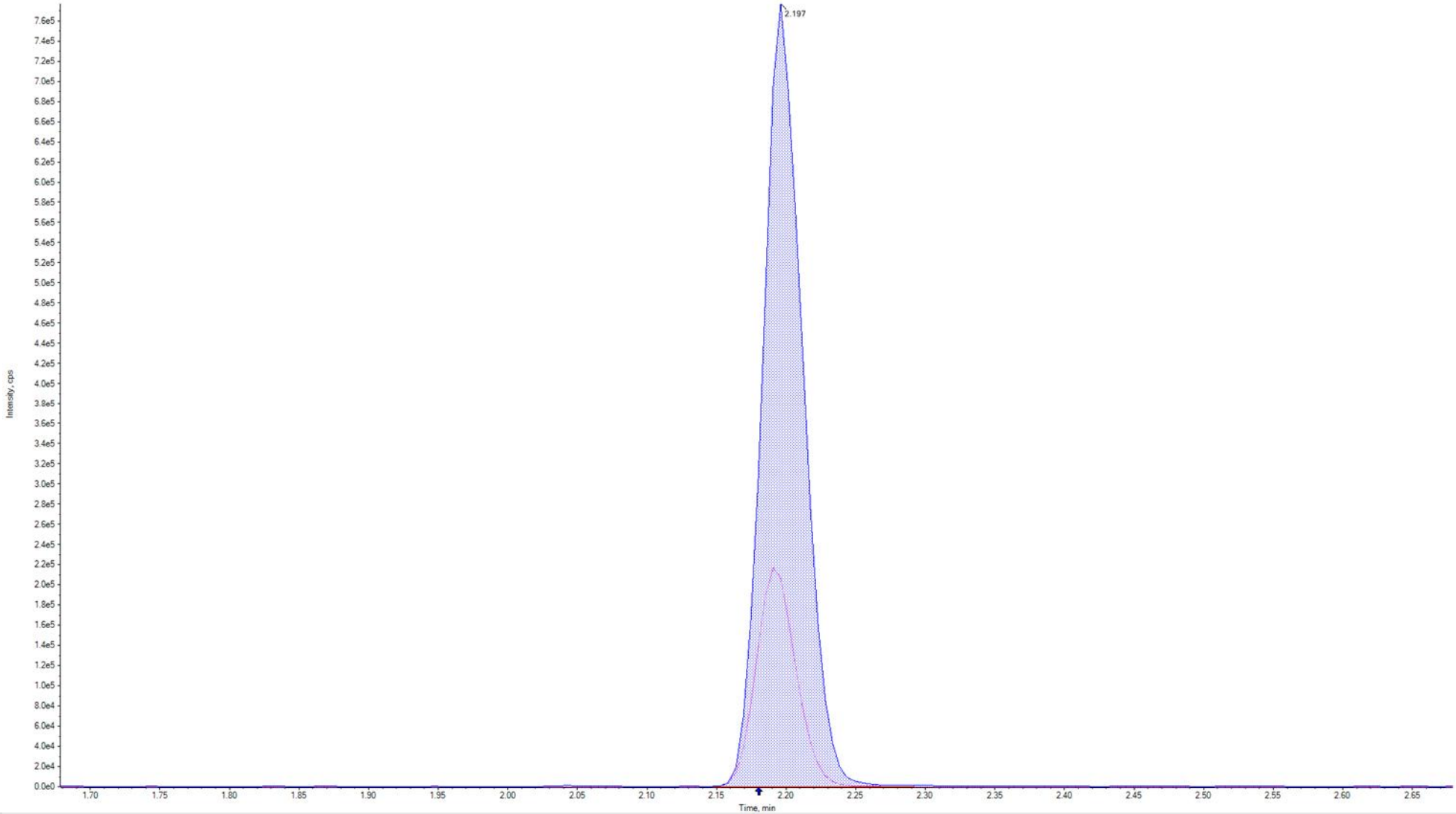
PFHxA
Sample: WG2011094-11,1633FMED S/N:5637.8 Points Across peak:30



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PFHxA_2
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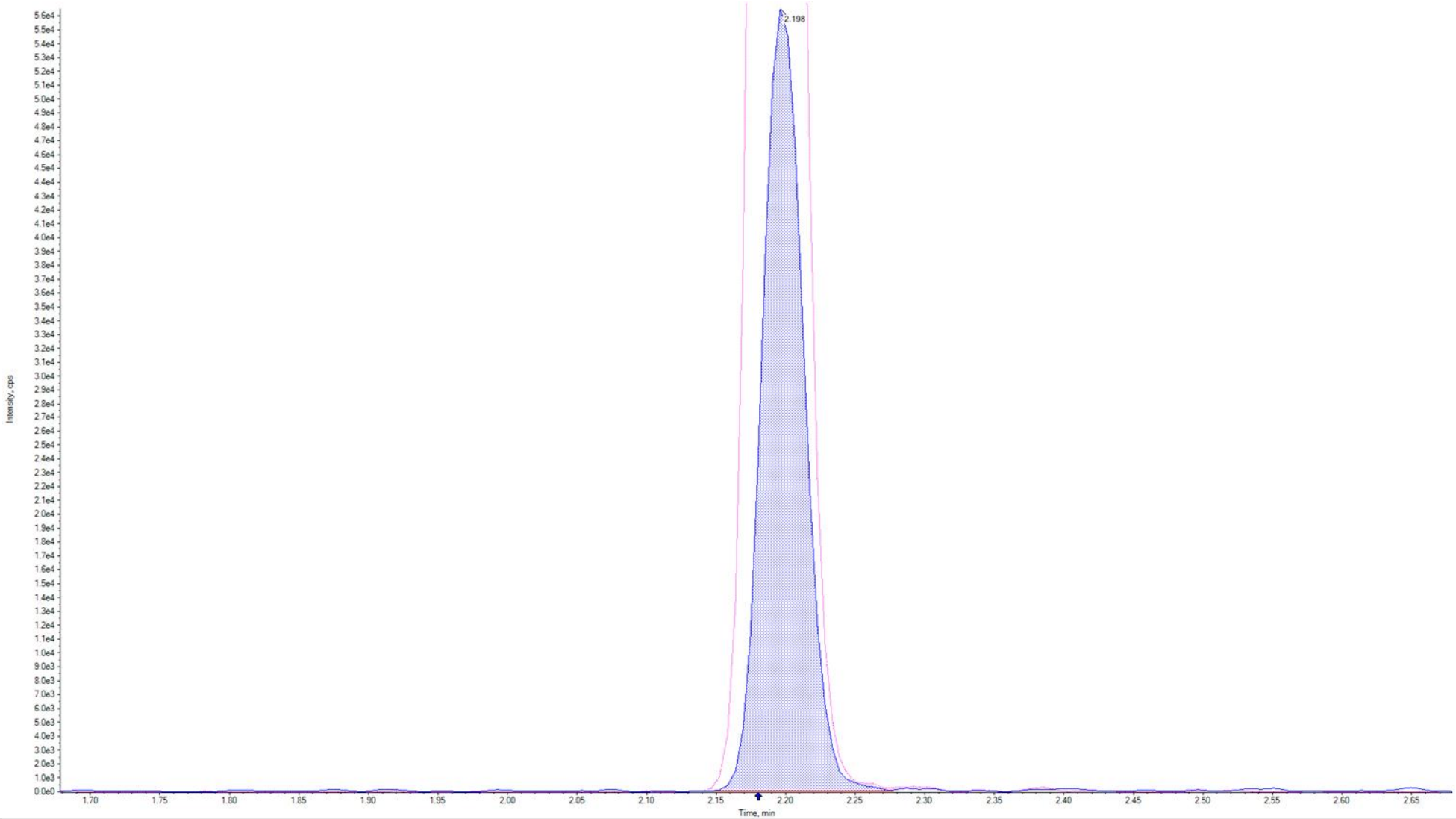

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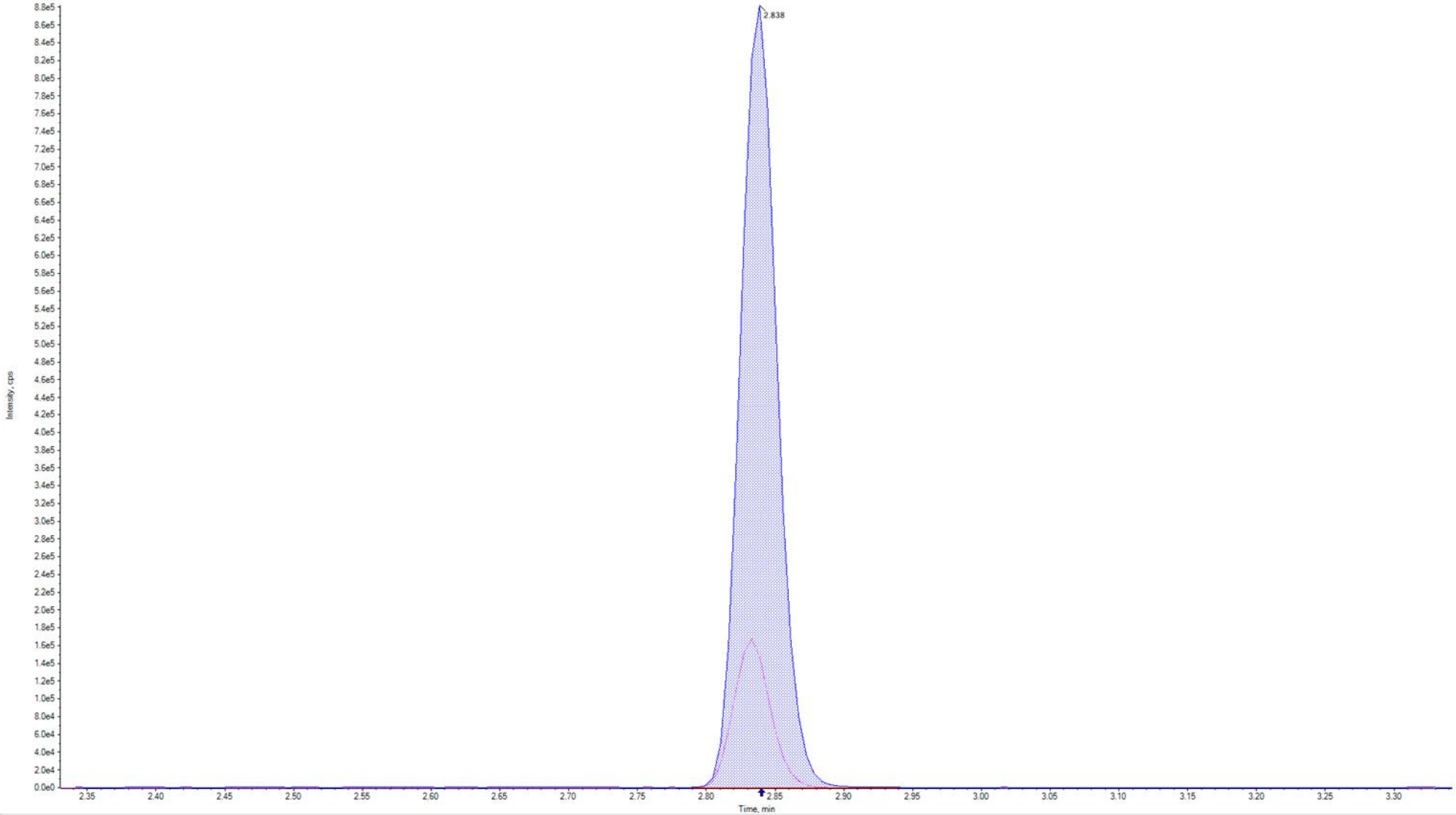
PFHpA
Sample: WG2011094-11,1633FMED S/N:7754.4 Points Across peak:30



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PFHpA_2
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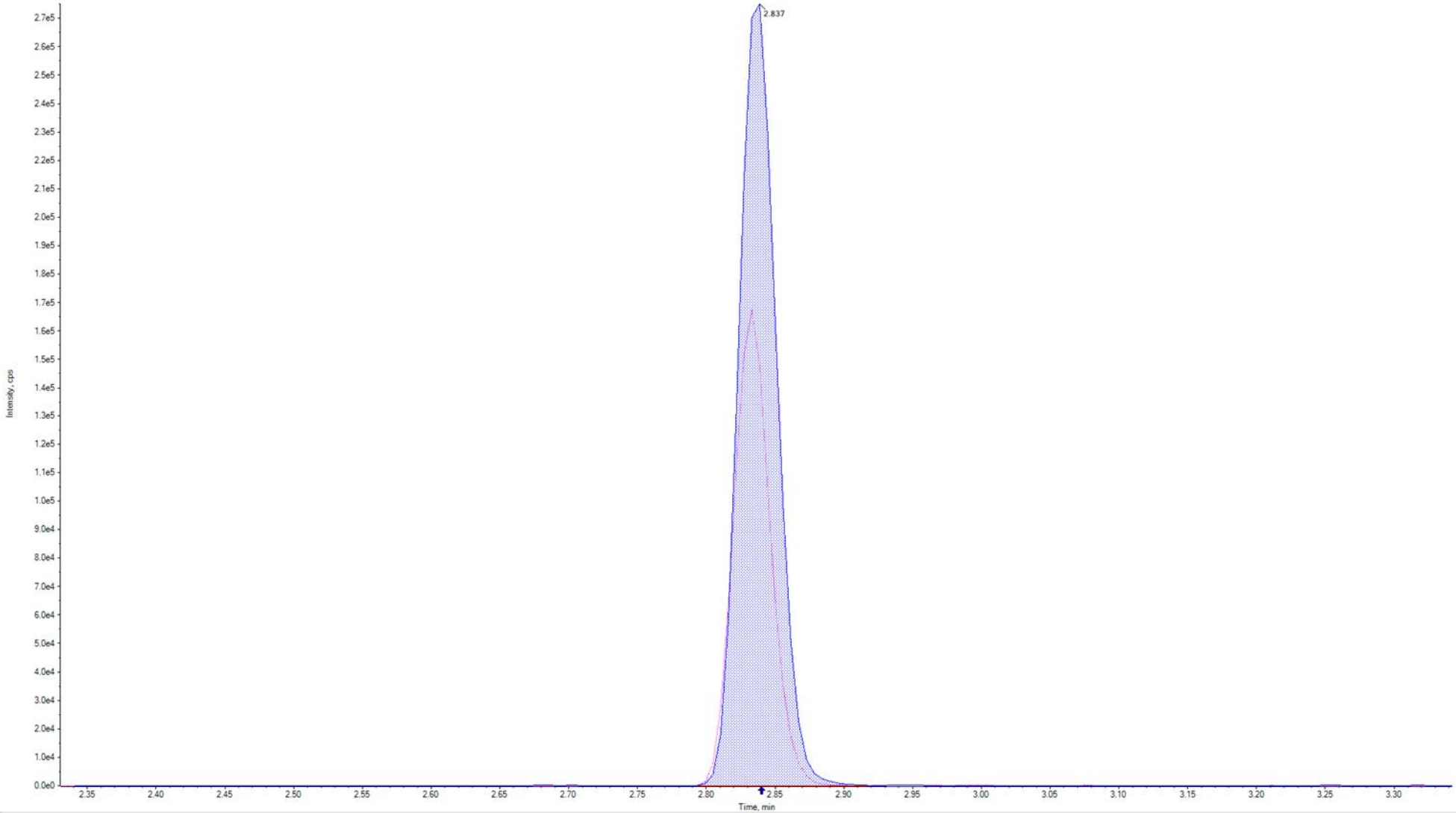

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PFOA
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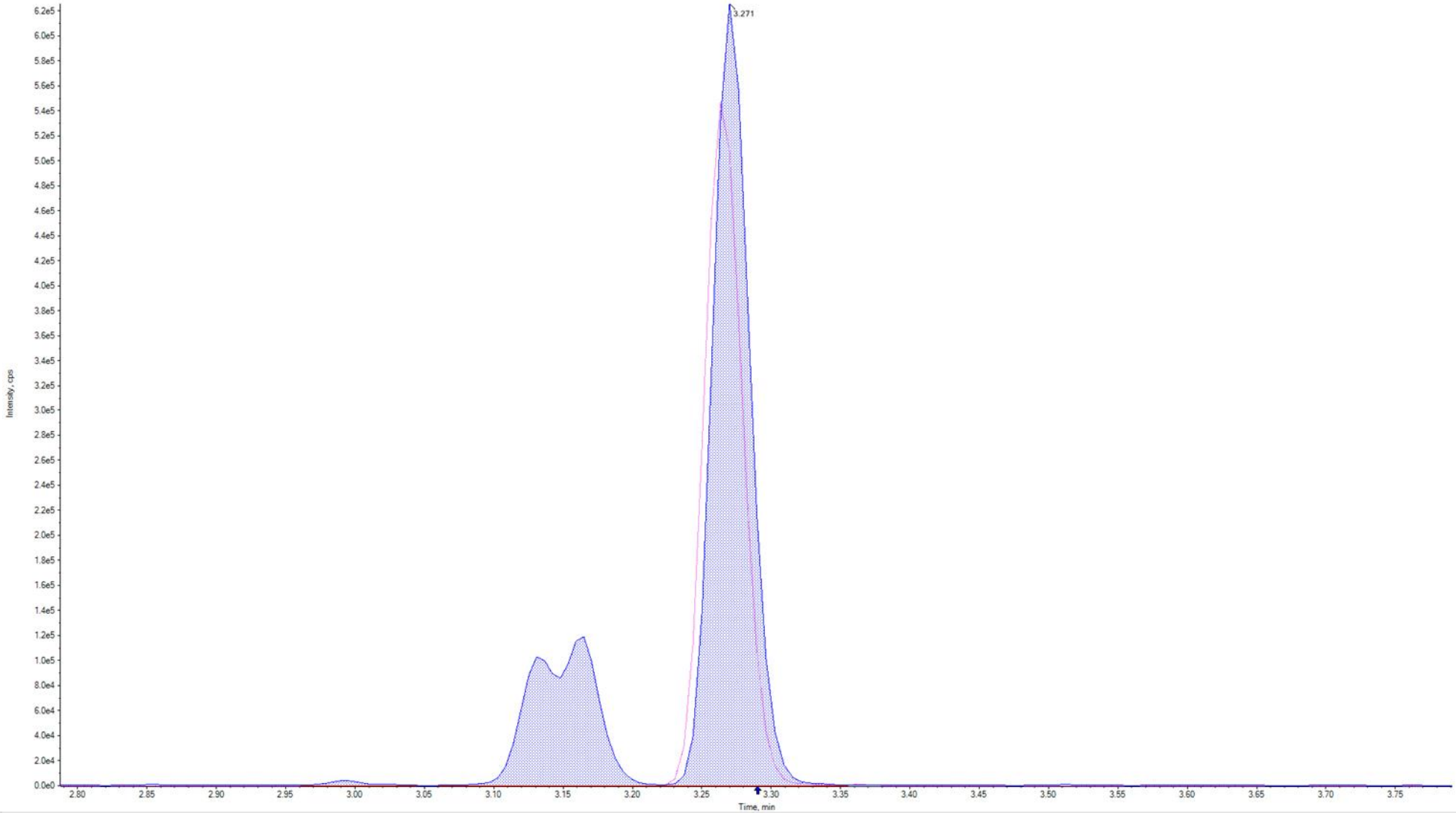

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PFOA_2
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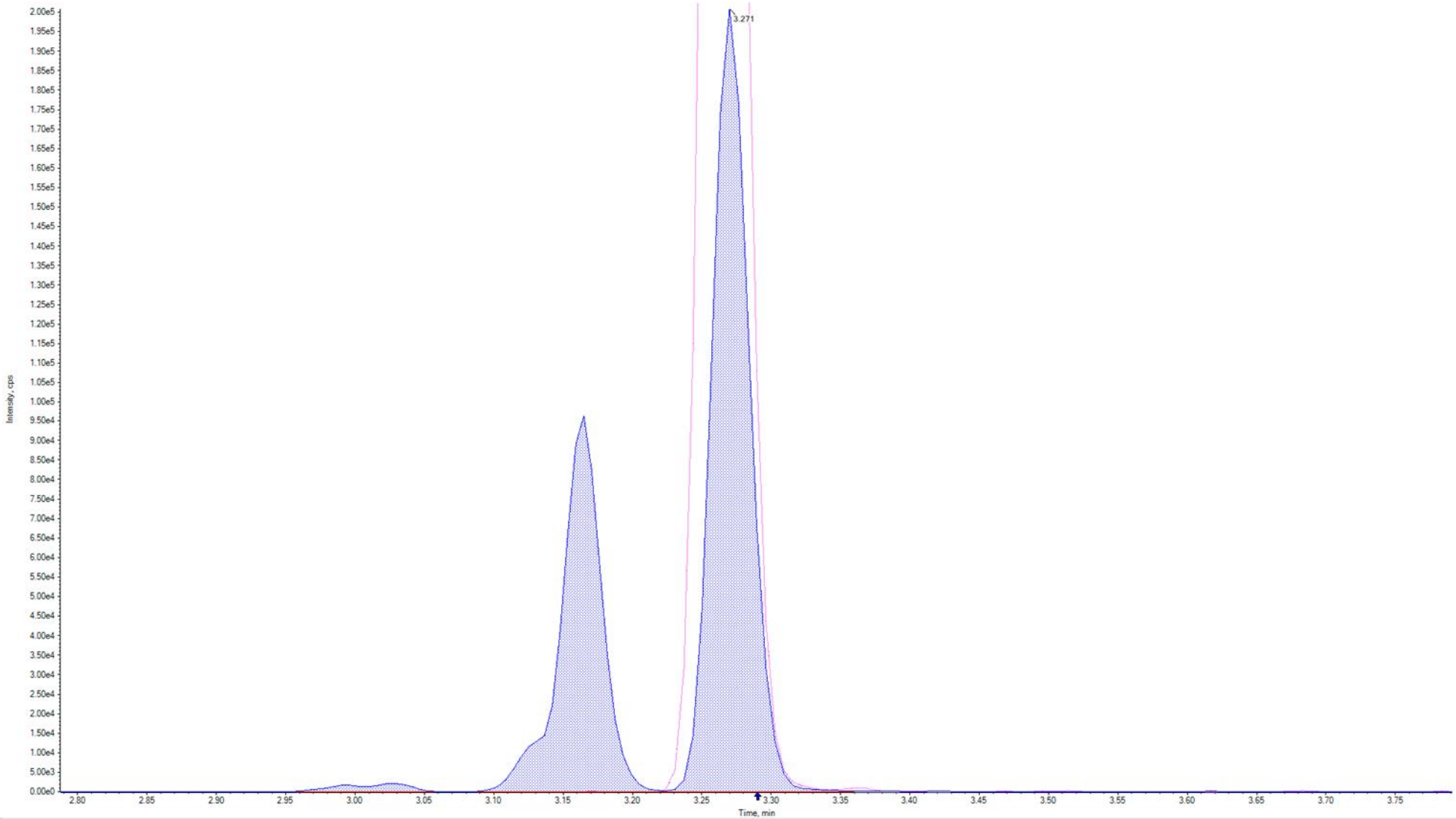

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PFNA
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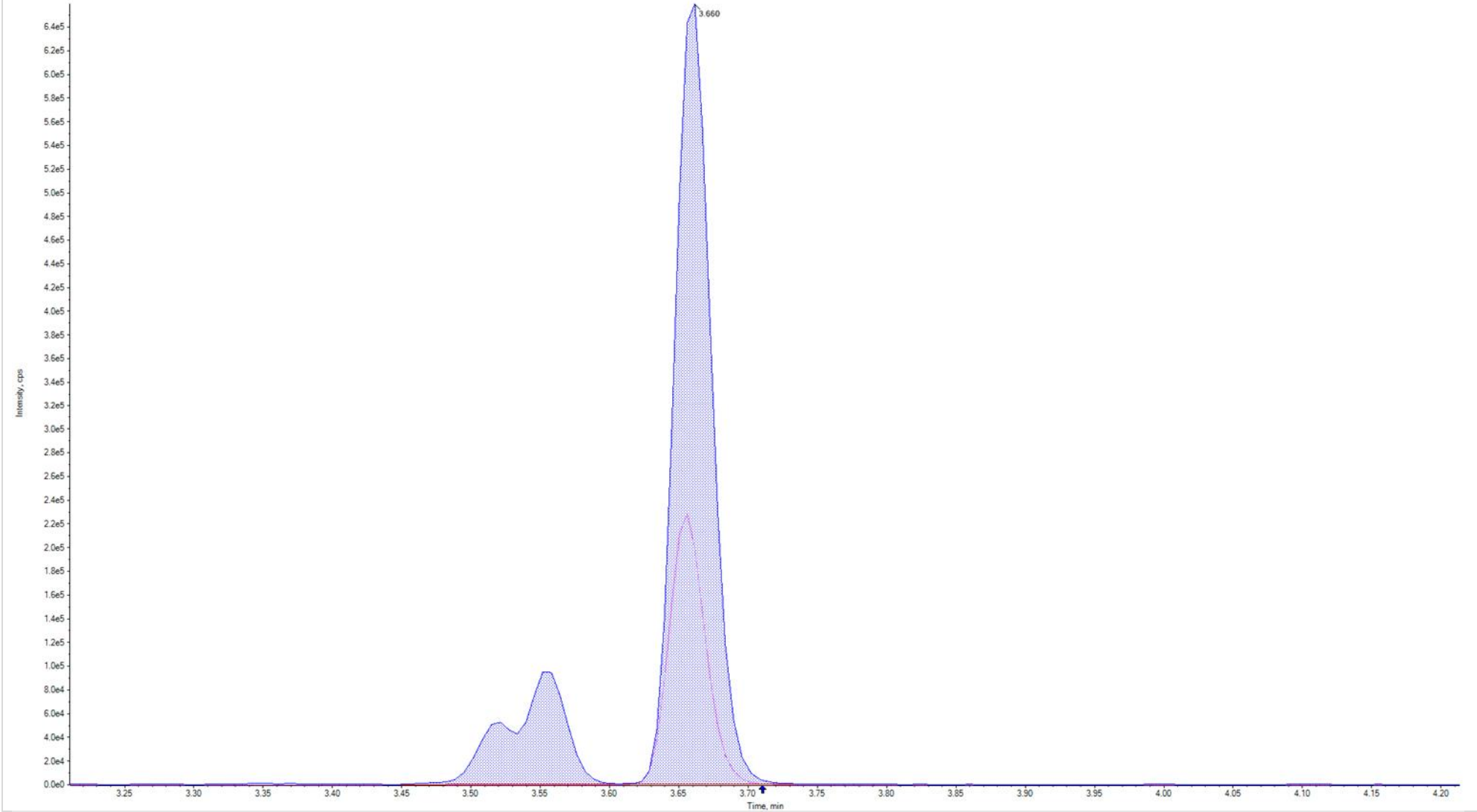

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PFNA_2
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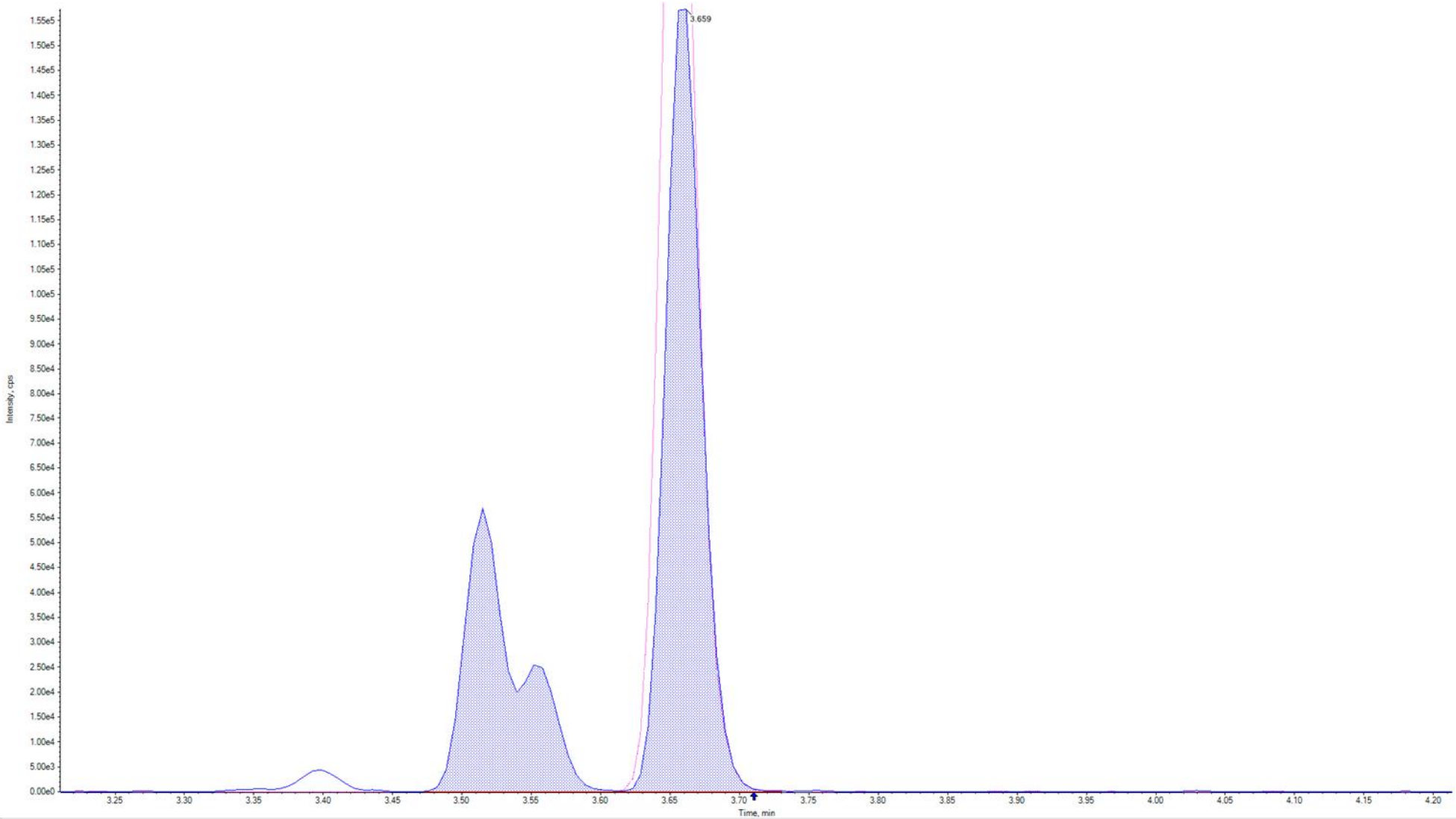

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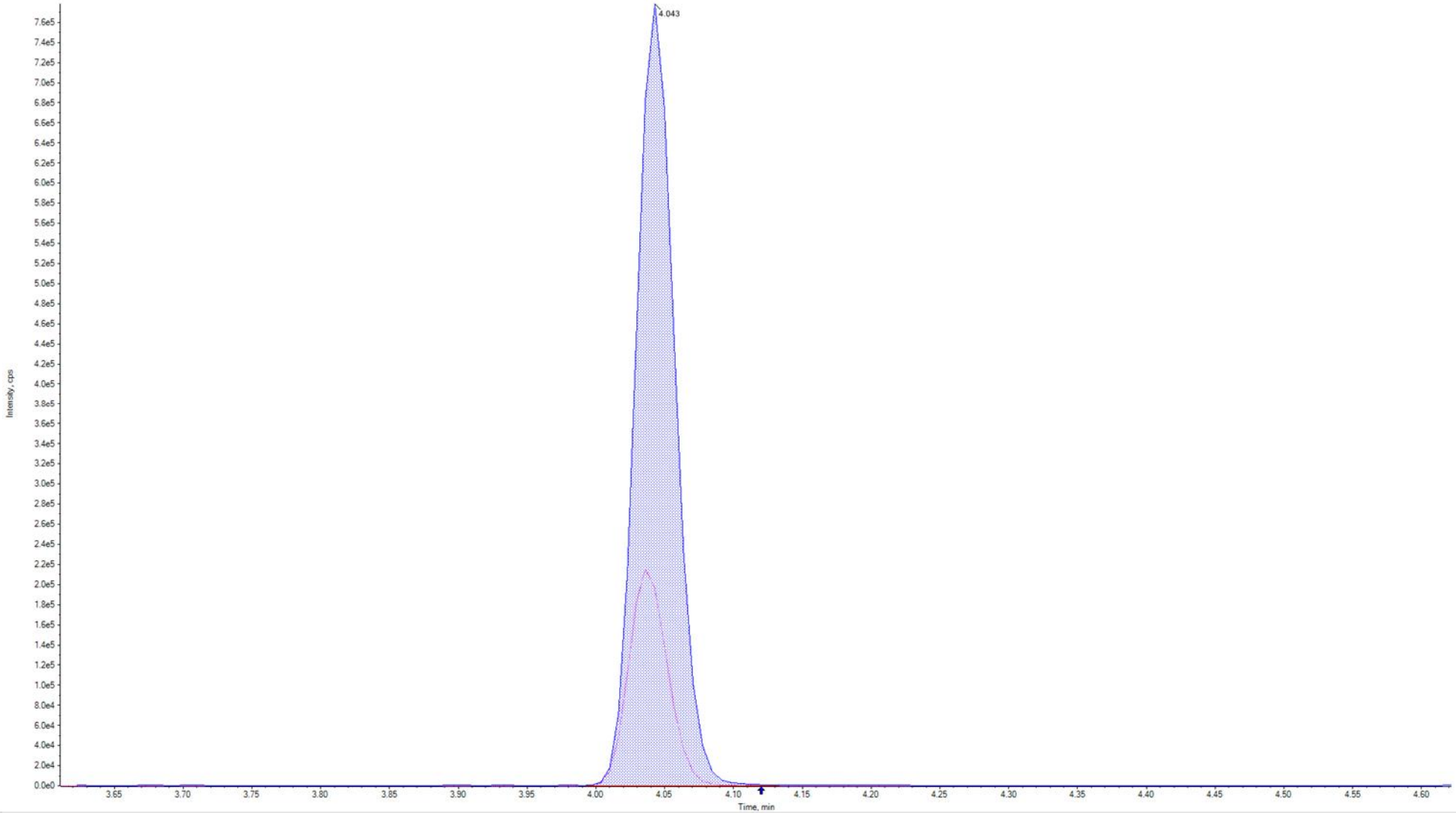
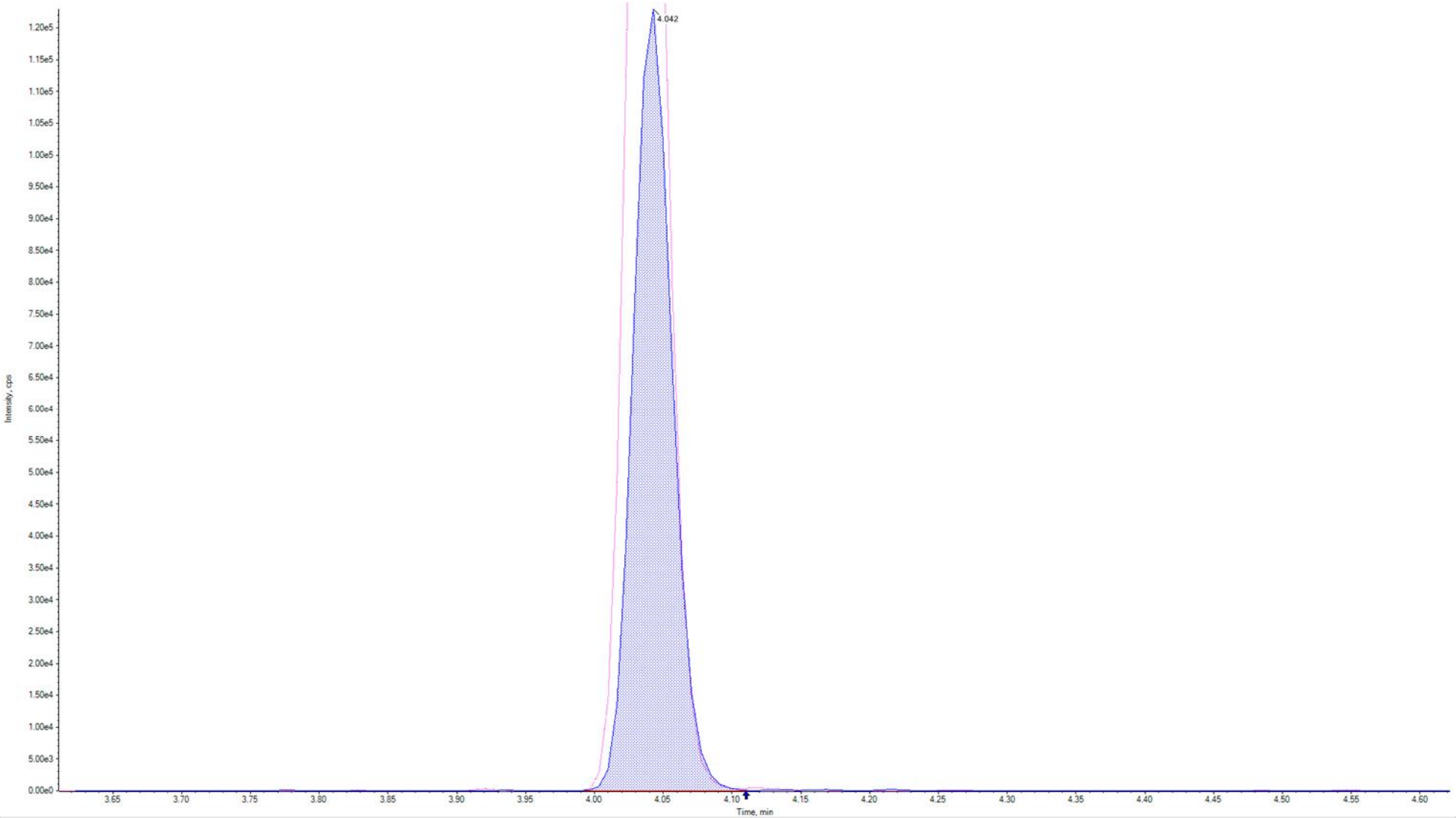
PFDA
Sample: WG2011094-11,1633FMED S/N:6351.9 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

PFDA_2
Sample: WG2011094-11,1633FMED S/N:2465.3 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
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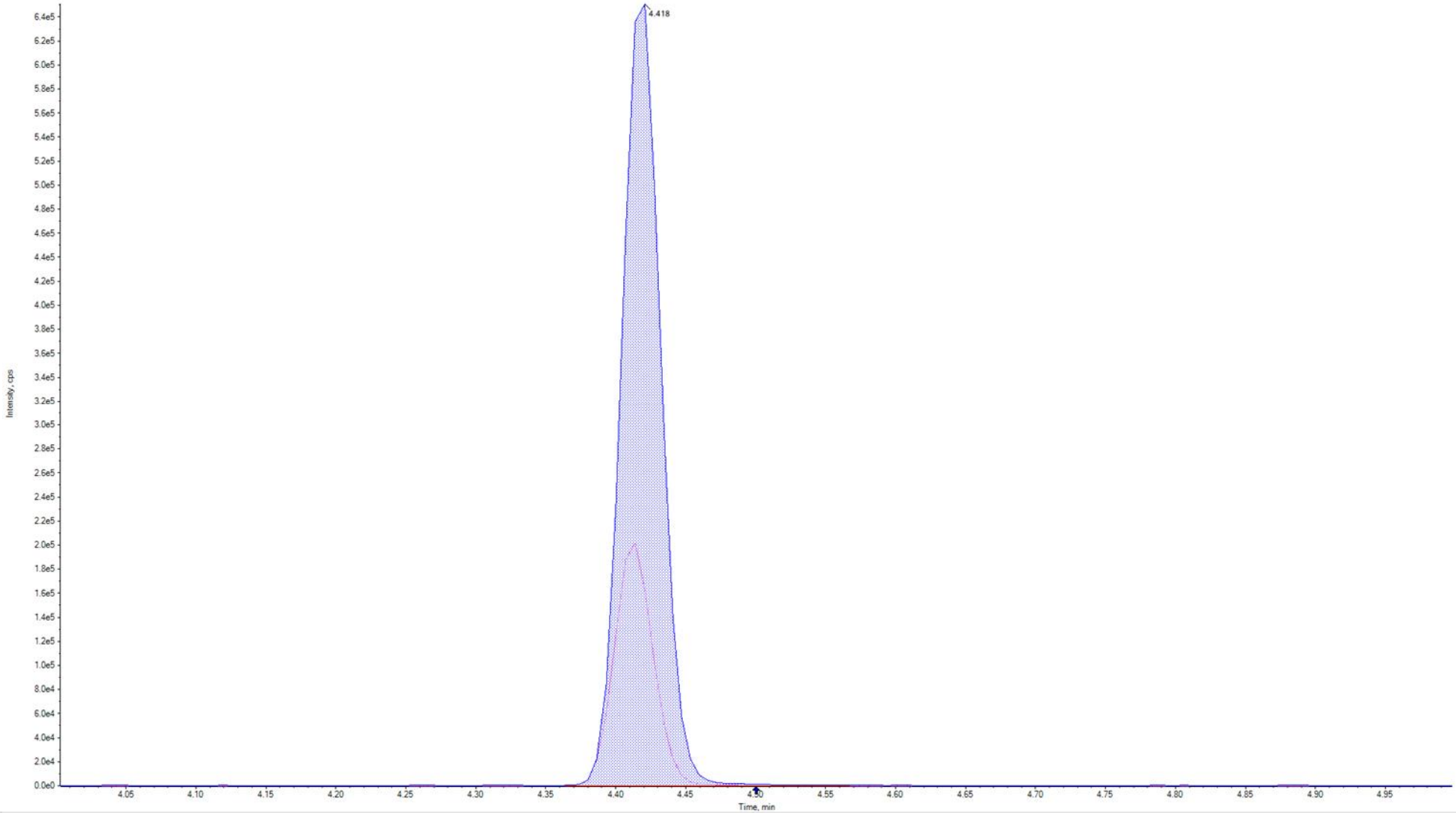
PFUnA
Sample: WG2011094-11,1633FMED S/N:9630.7 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/19/2024 3:55:43 PM
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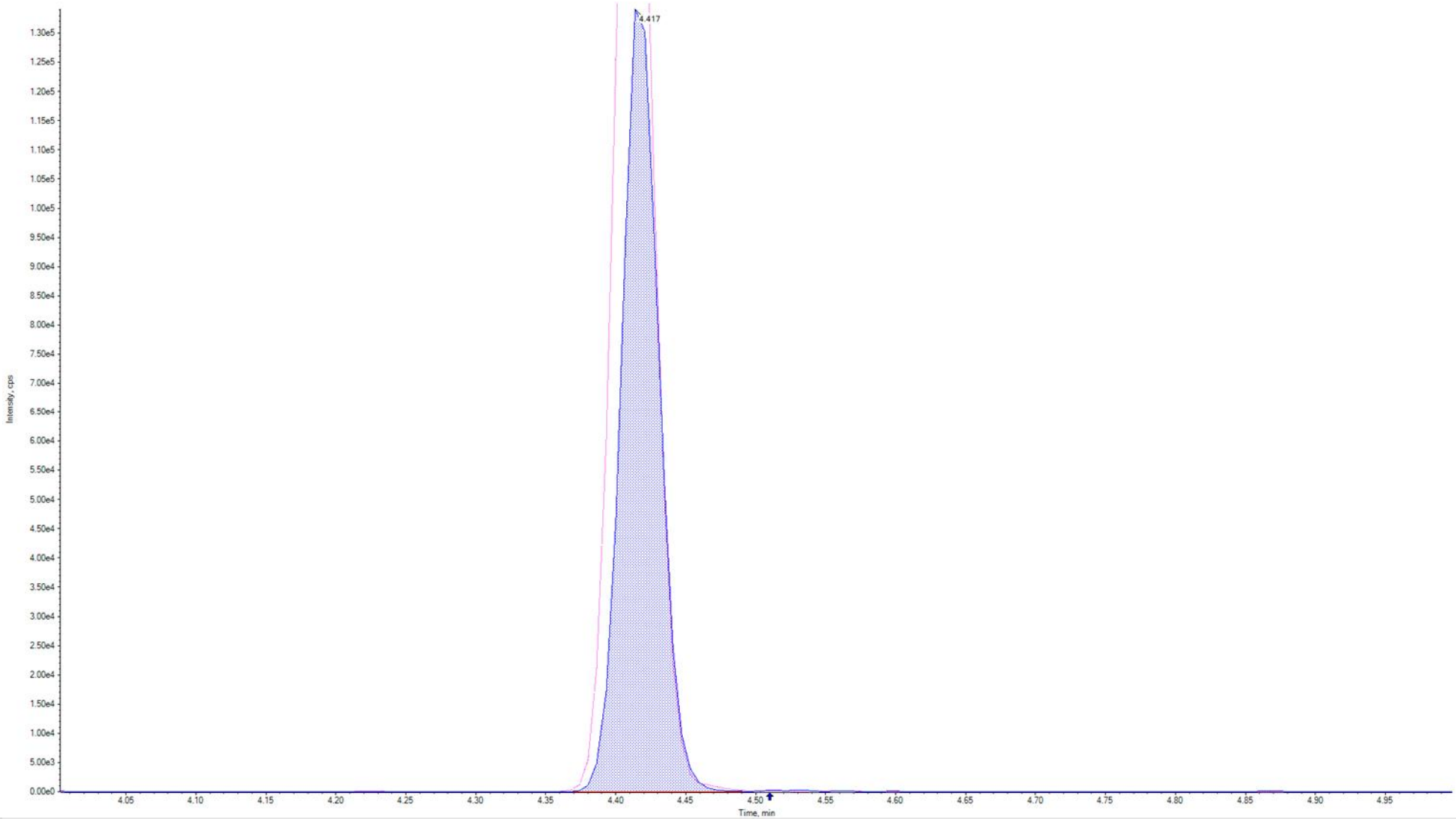
PFUnA_2
Sample: WG2011094-11,1633FMED S/N:3025.4 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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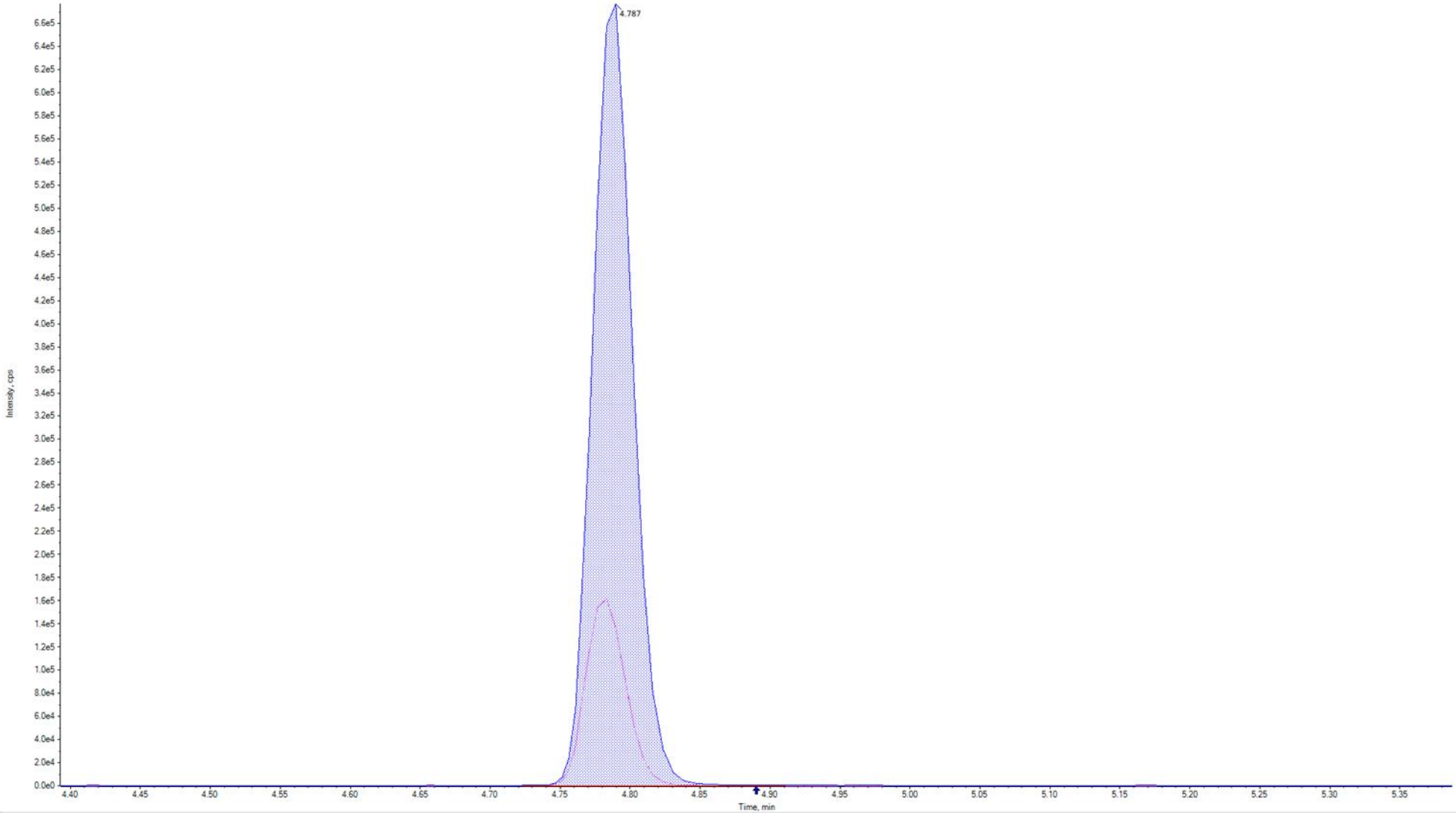
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

PFDoA
Sample: WG2011094-11,1633FMED S/N:7117.2 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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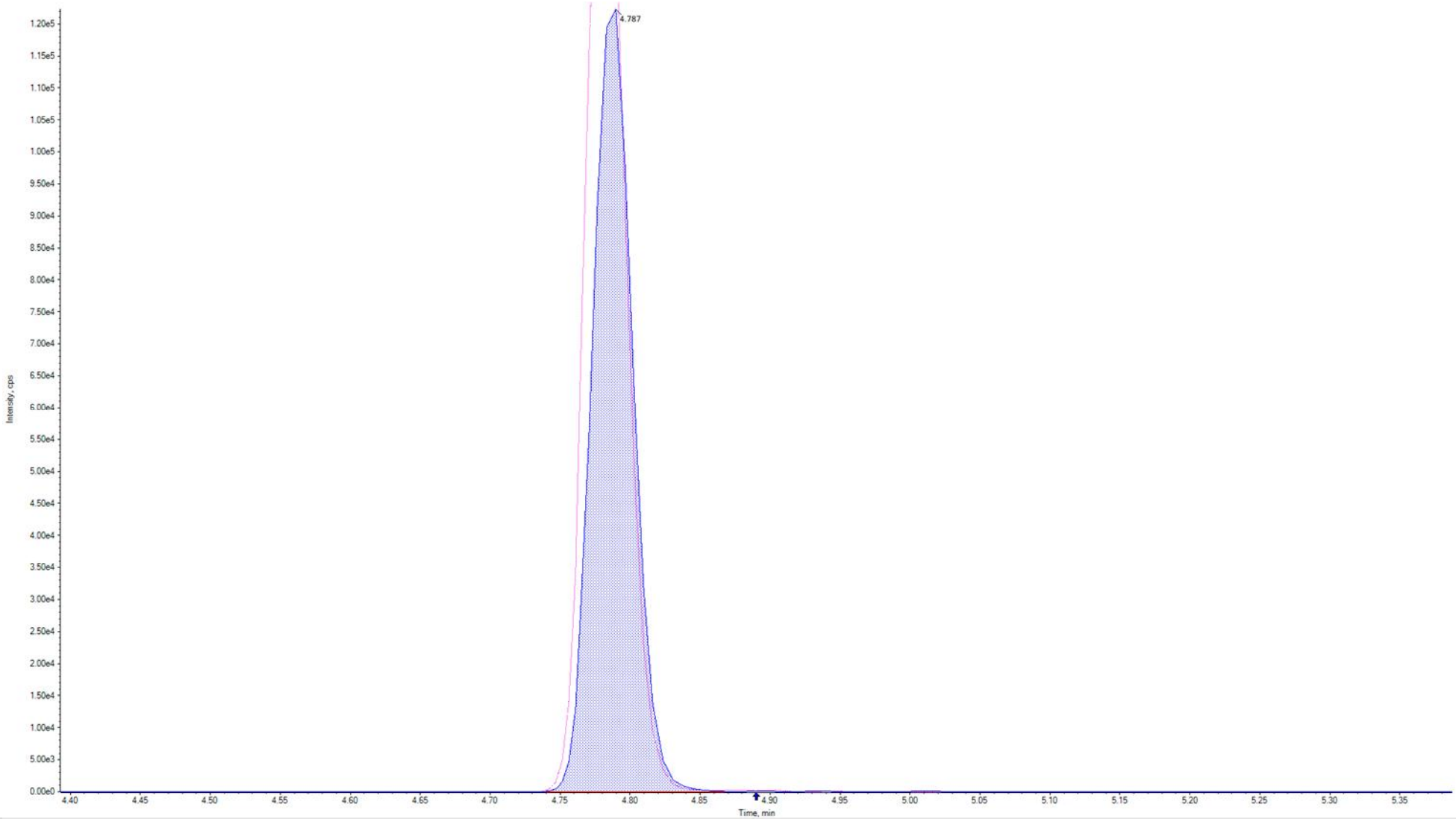
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

PFDoA_2
Sample: WG2011094-11,1633FMED S/N:3372.3 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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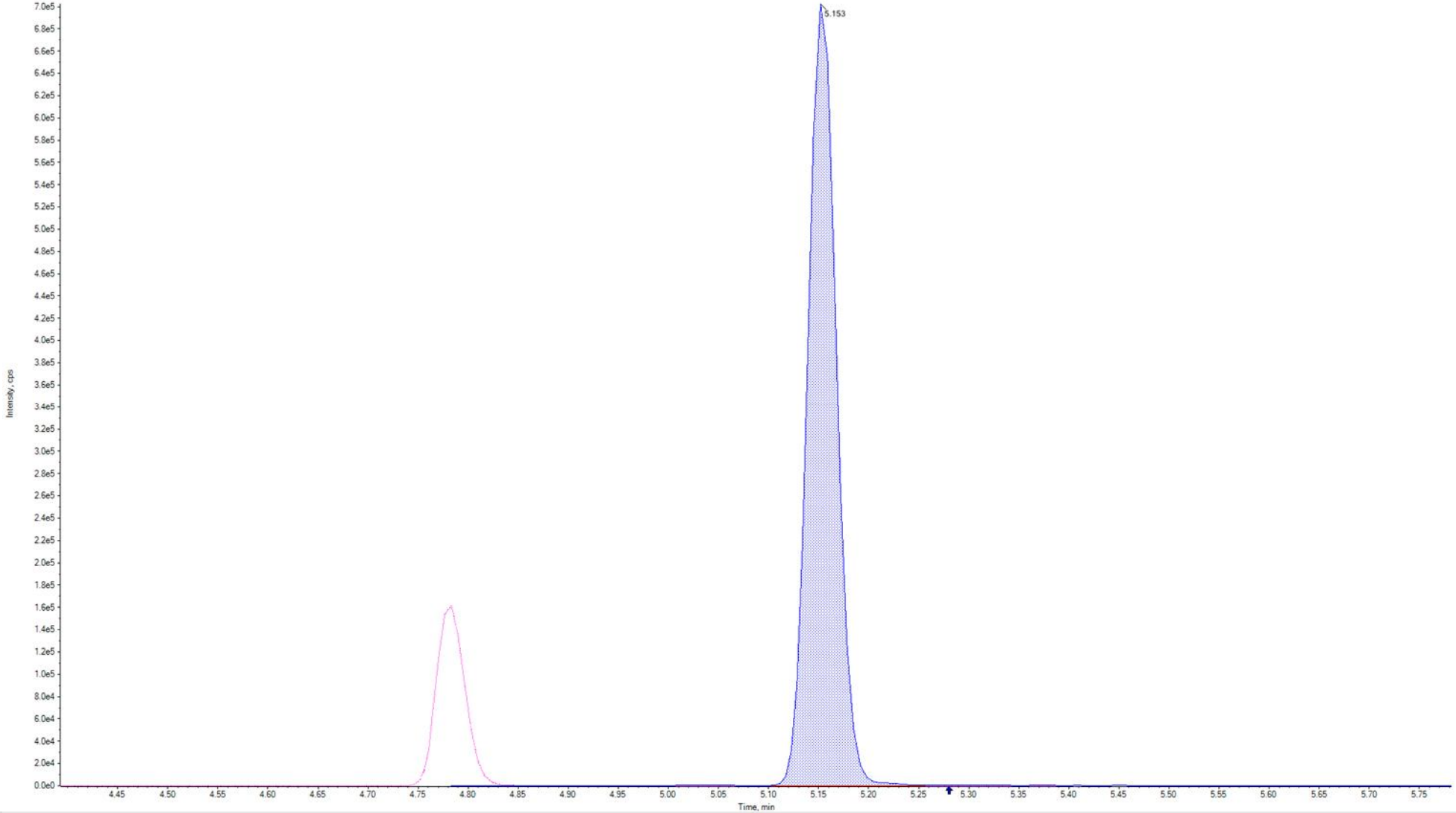
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

PFTrDA
Sample: WG2011094-11,1633FMED S/N:3931.6 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/19/2024 3:55:43 PM
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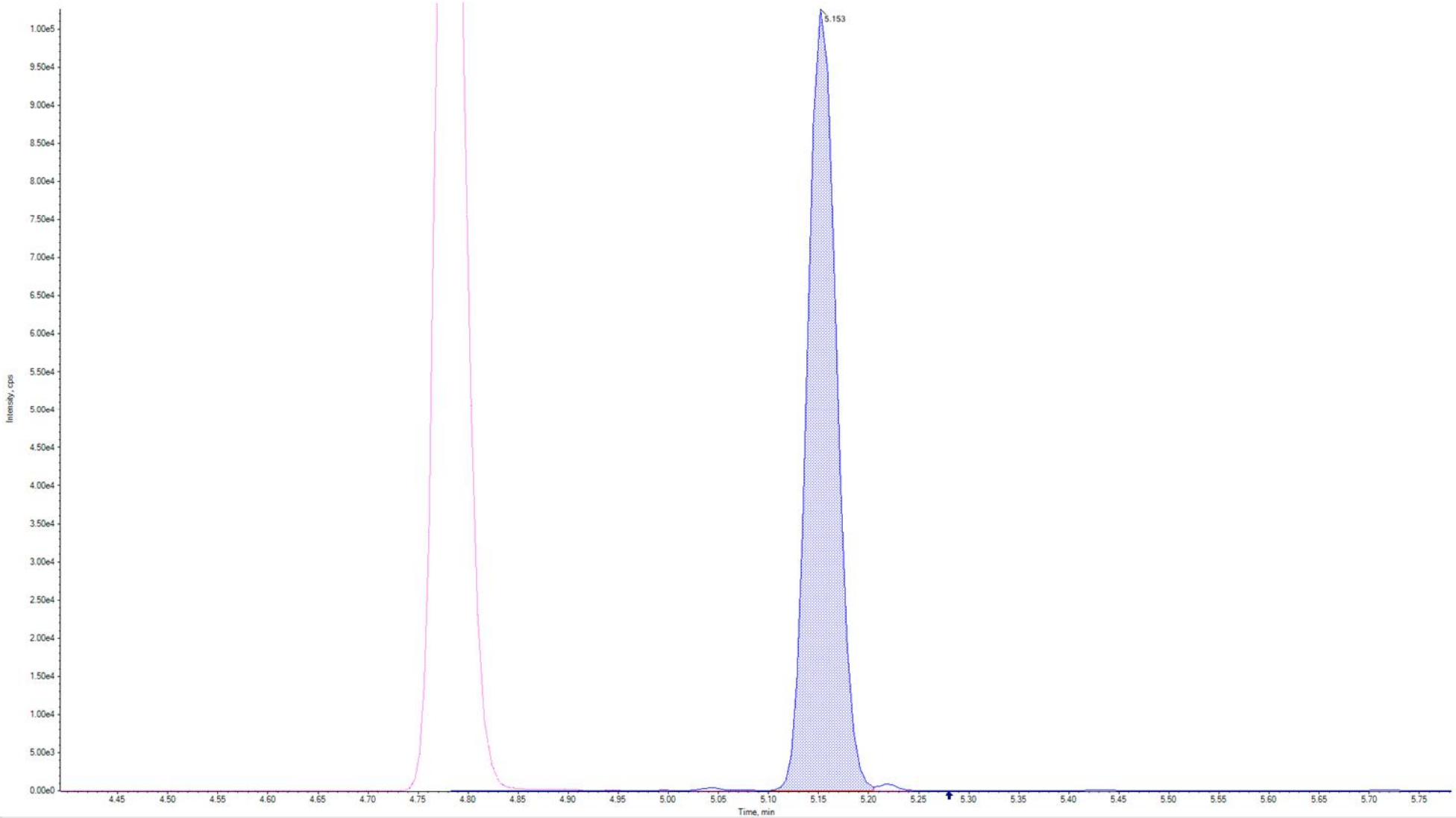
PFTrDA_2
Sample: WG2011094-11,1633FMED S/N:2520.0 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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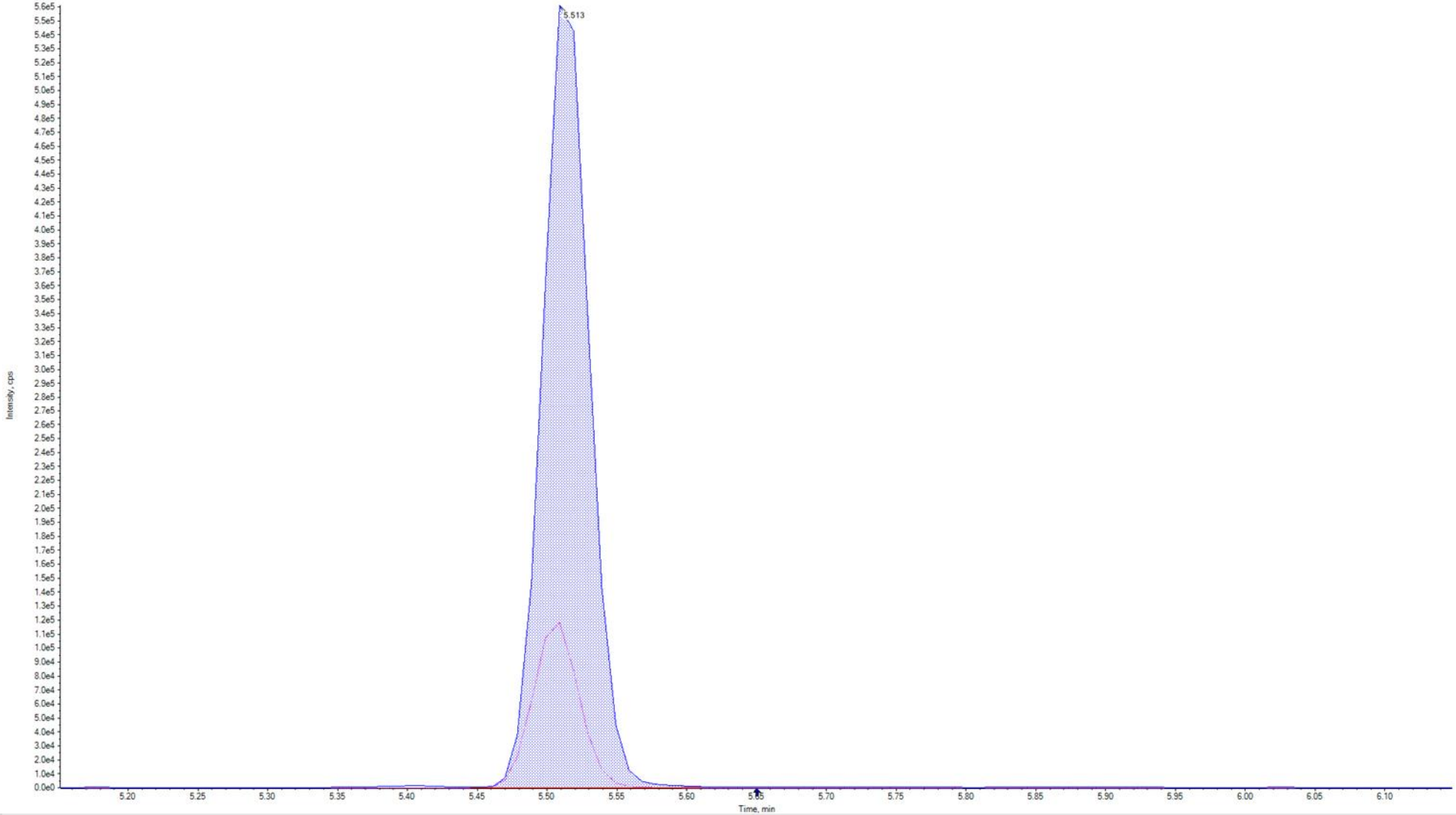
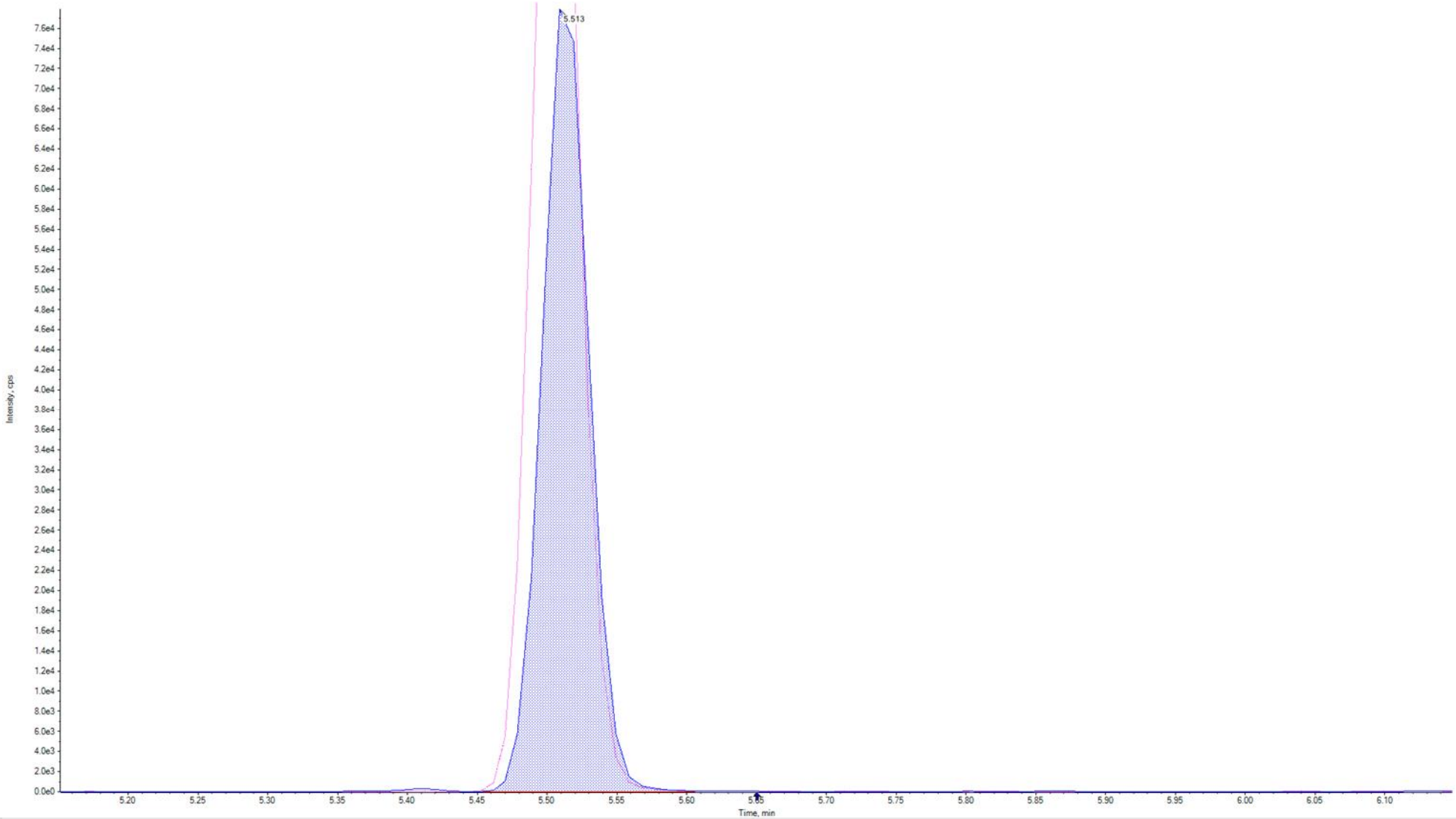
Generated: 12/19/2024 2:27:31 PM

PFTeDA
Sample: WG2011094-11,1633FMED S/N:1394.0 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

PFTeDA_2
Sample: WG2011094-11,1633FMED S/N:1305.6 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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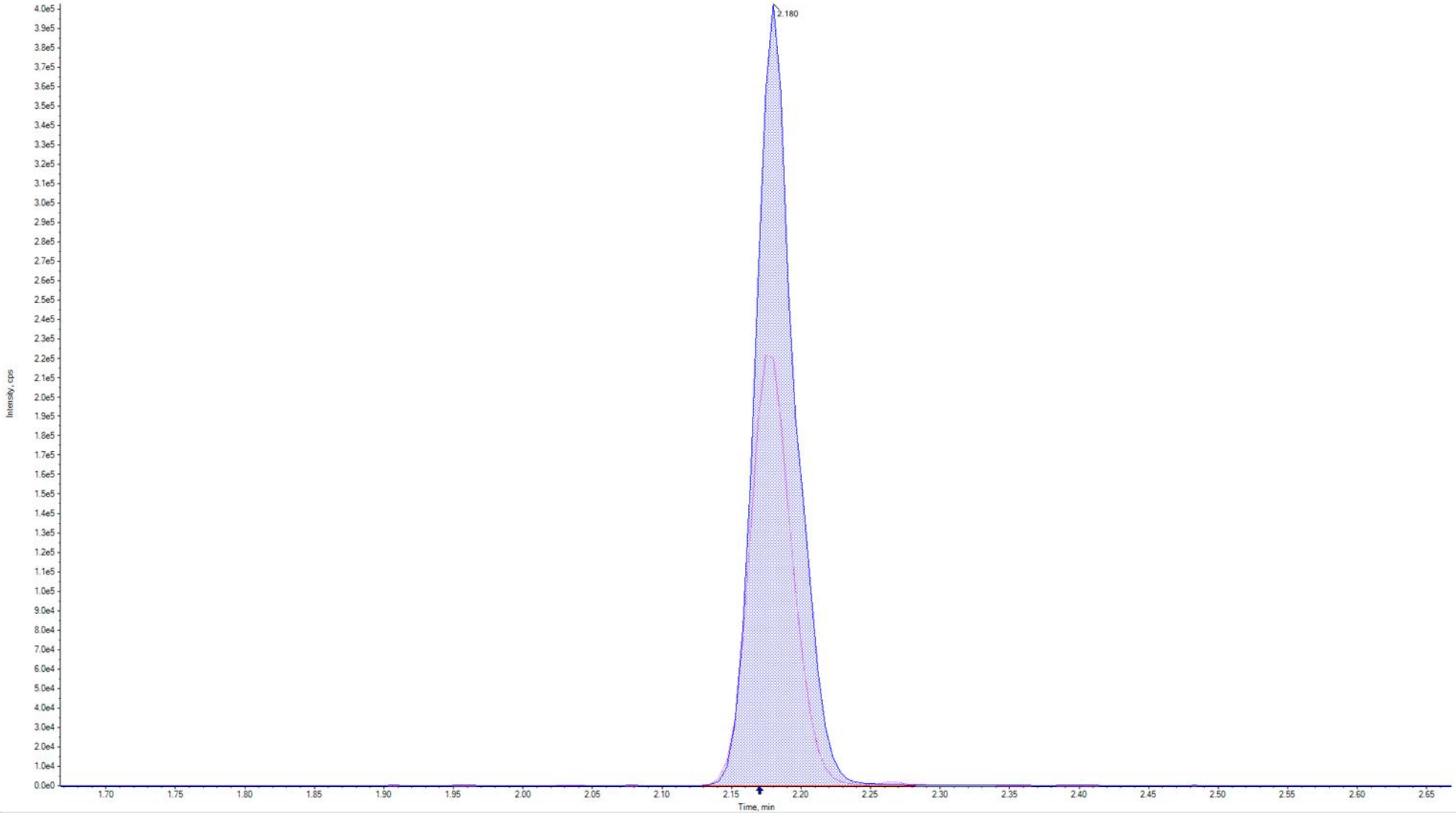
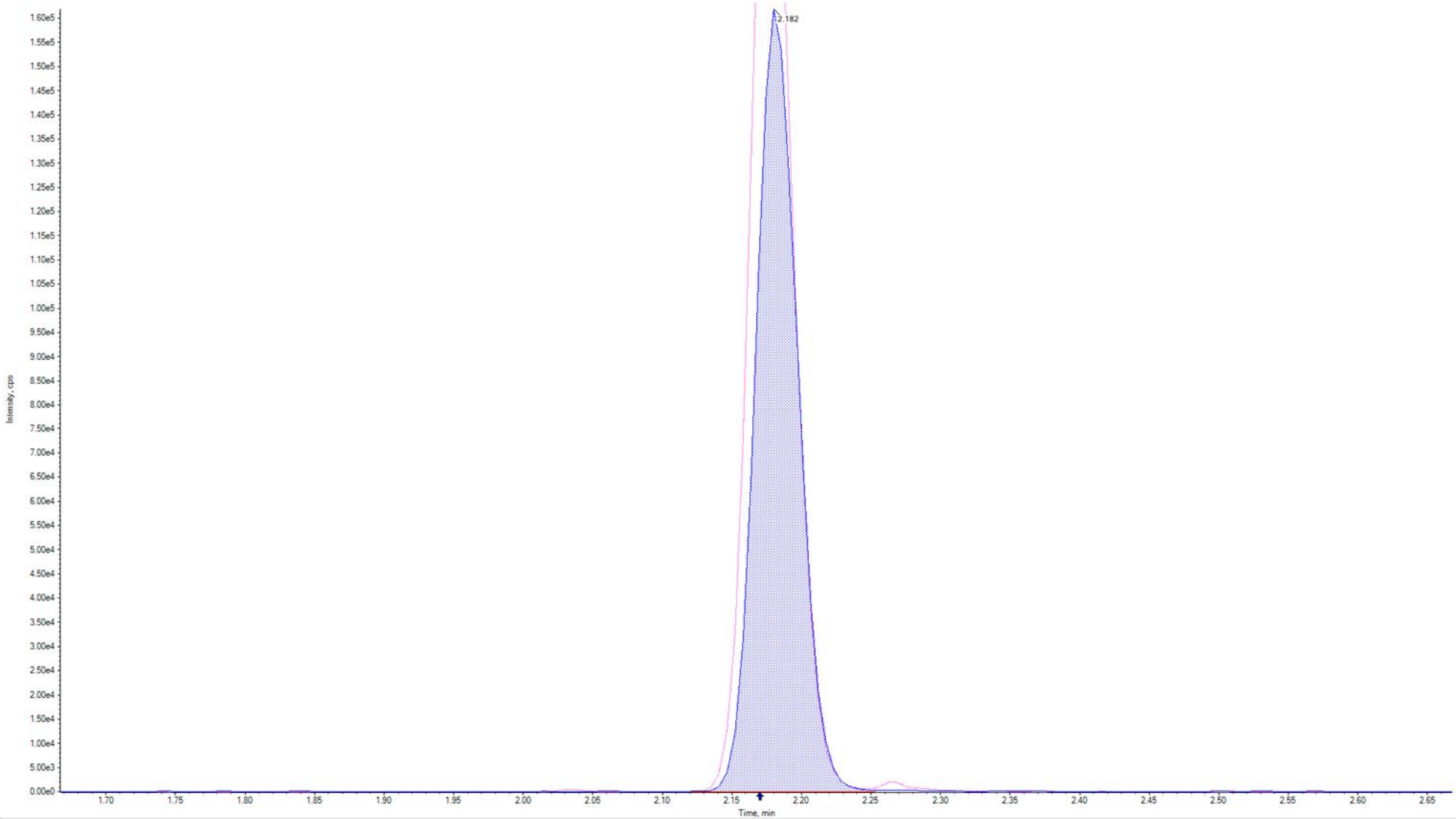
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

PFBS
Sample: WG2011094-11,1633FMED S/N:10088.8 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

PFBS_2
Sample: WG2011094-11,1633FMED S/N:4056.5 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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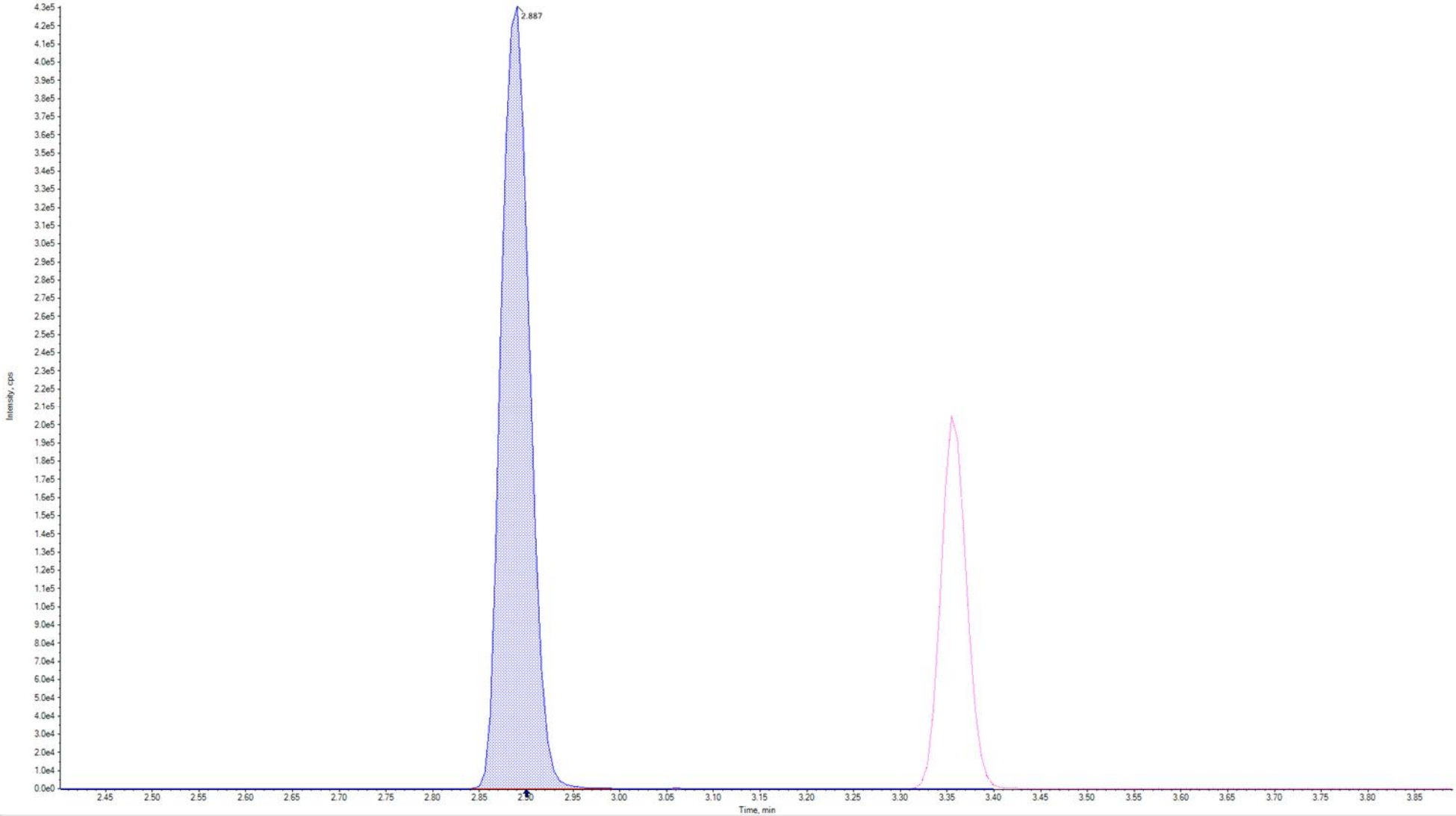
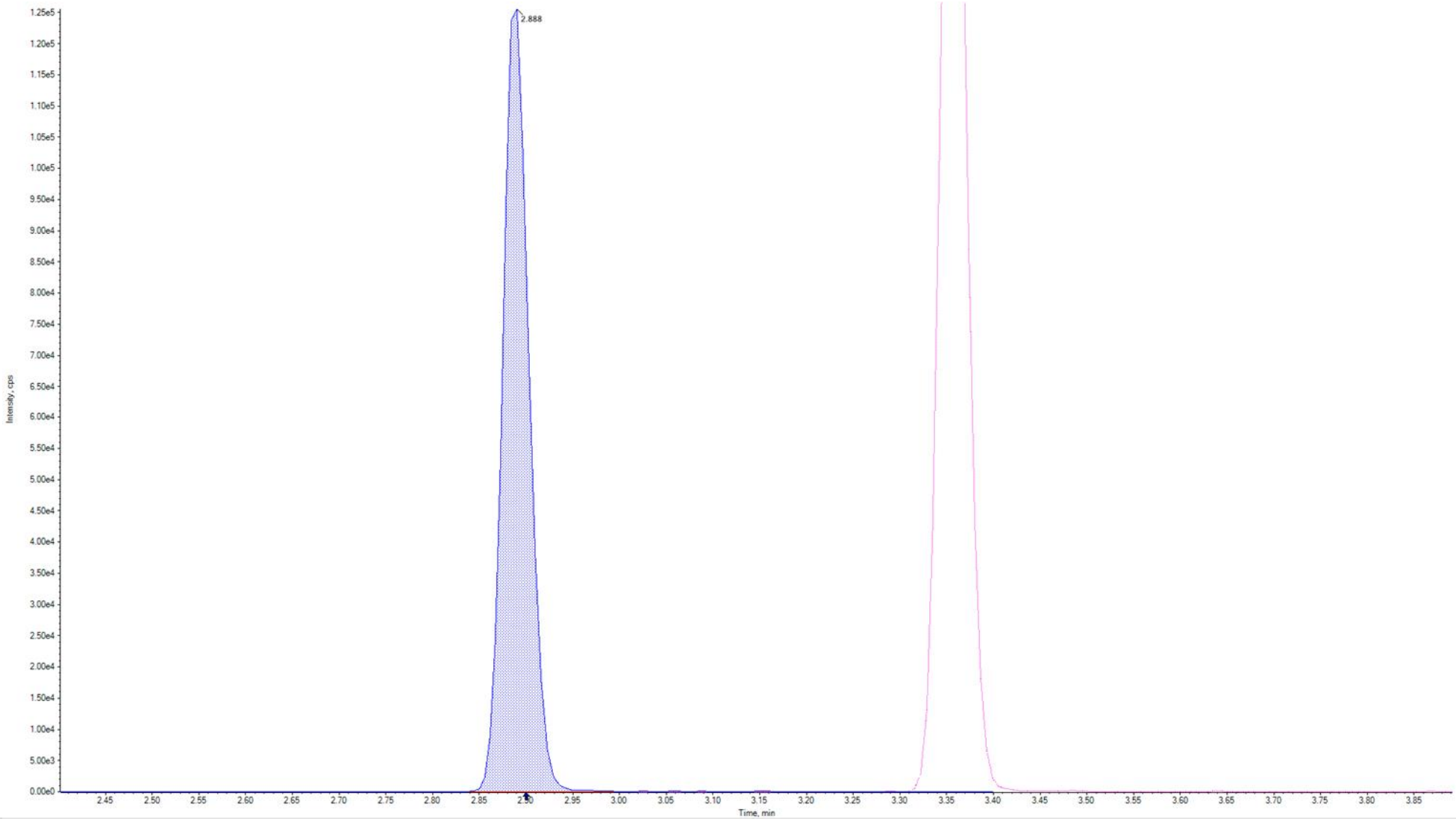
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

PFPeS
Sample: WG2011094-11,1633FMED S/N:5573.1 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

PFPeS_2
Sample: WG2011094-11,1633FMED S/N:2517.3 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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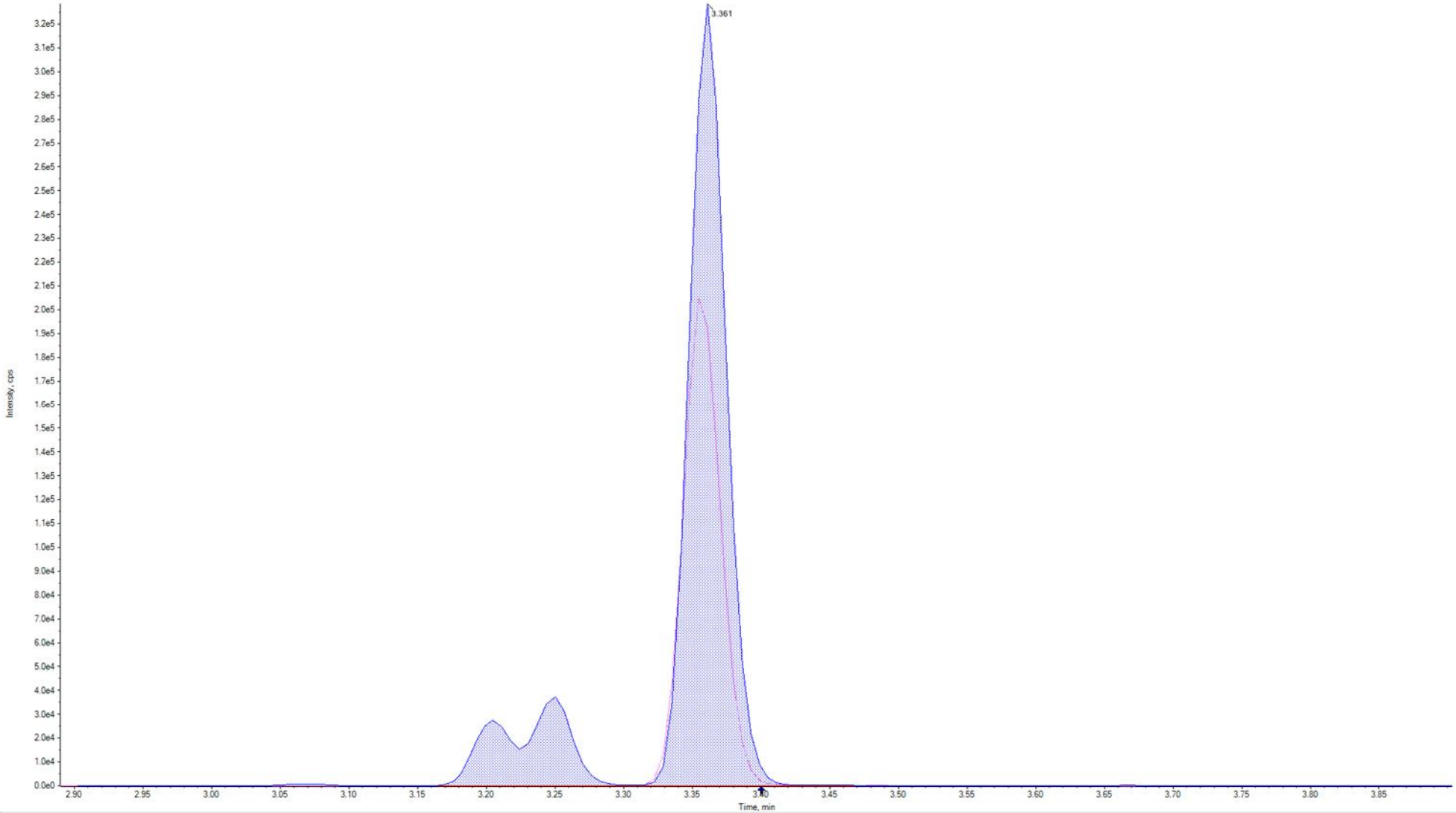
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

PFHxS
Sample: WG2011094-11,1633FMED S/N:1015.6 Points Across peak:54



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/19/2024 3:55:43 PM
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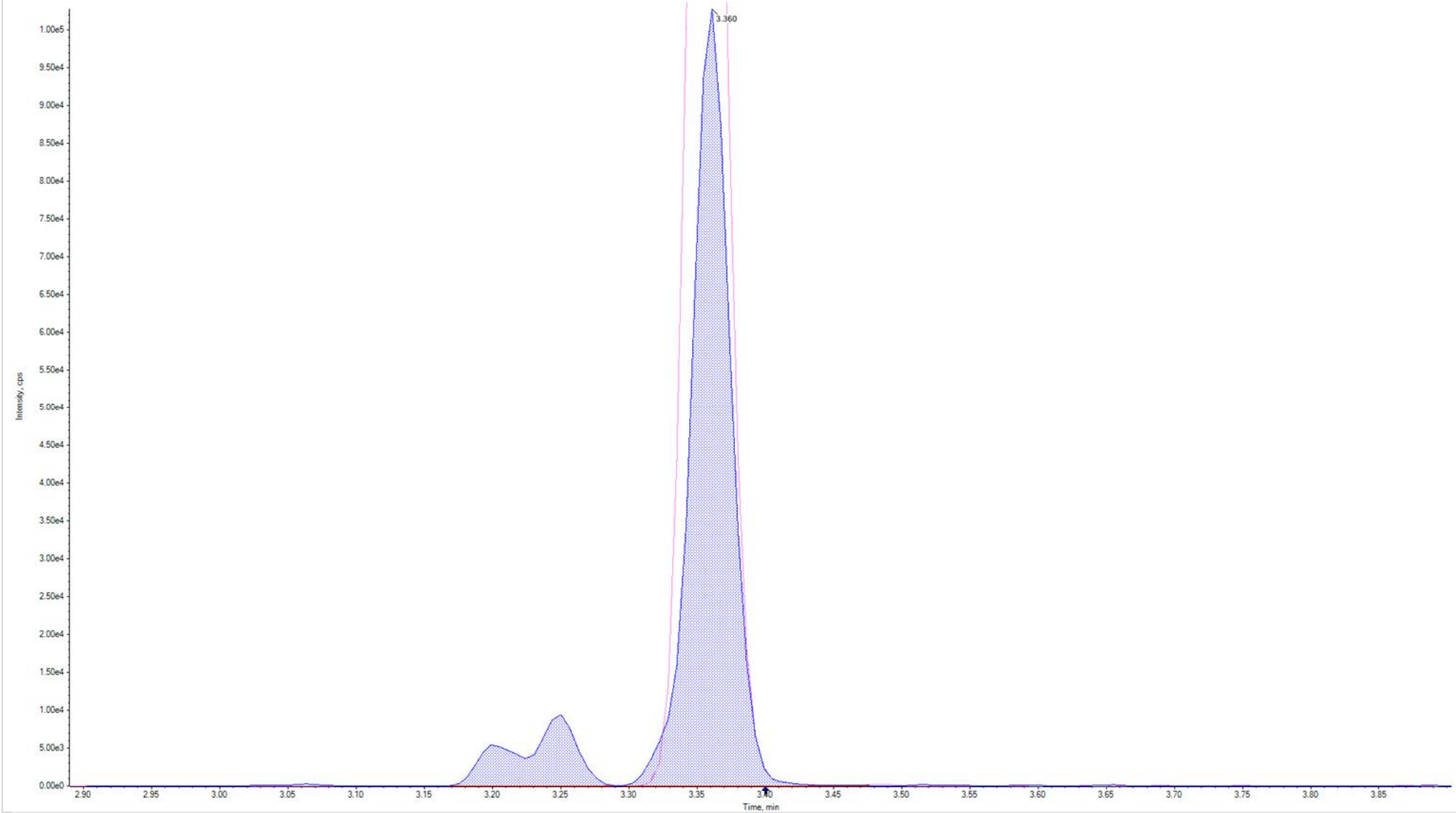
PFHxS_2
Sample: WG2011094-11,1633FMED S/N:810.2 Points Across peak:54



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/19/2024 3:55:43 PM
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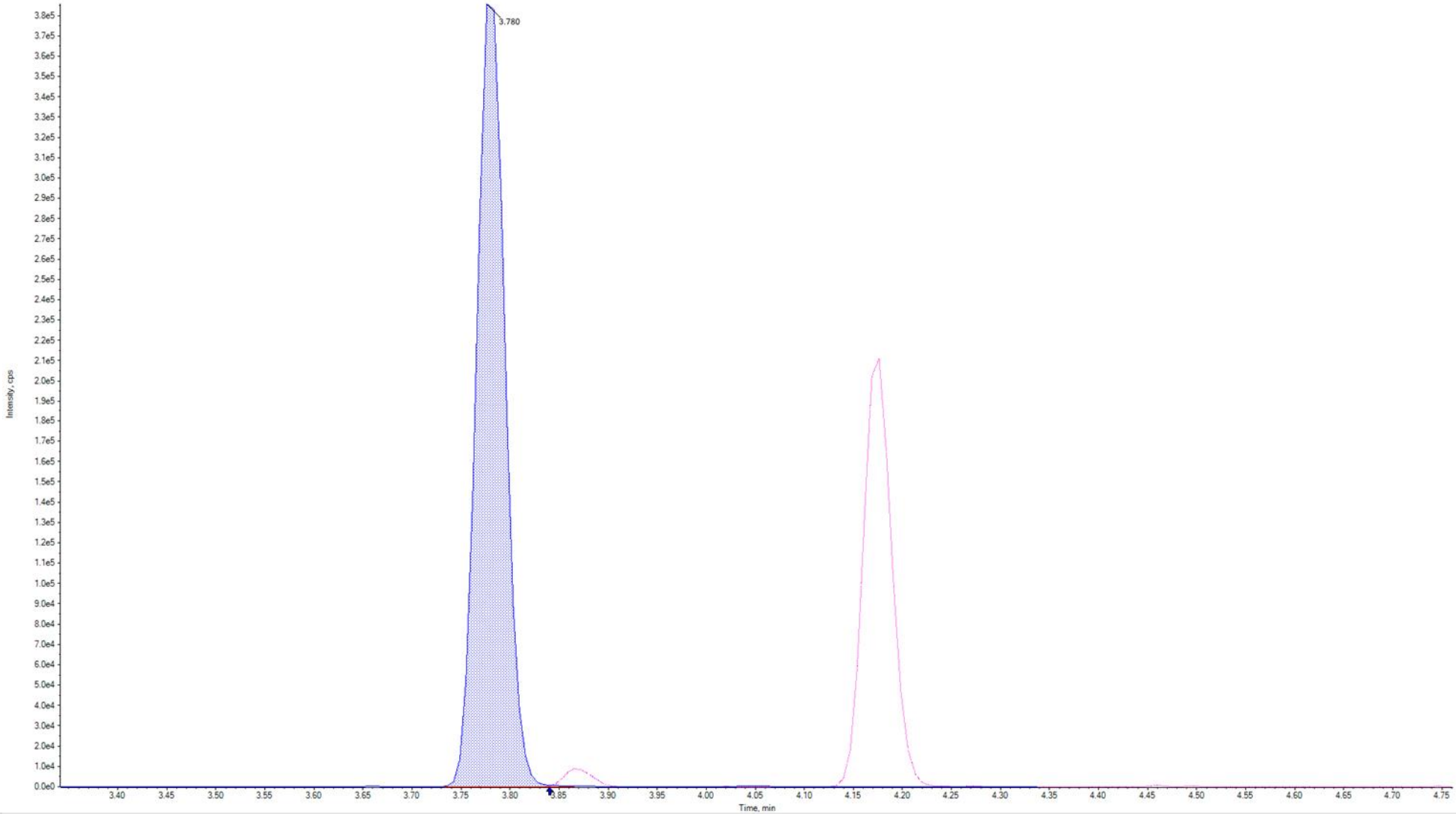
PFHpS
Sample: WG2011094-11,1633FMED S/N:4435.9 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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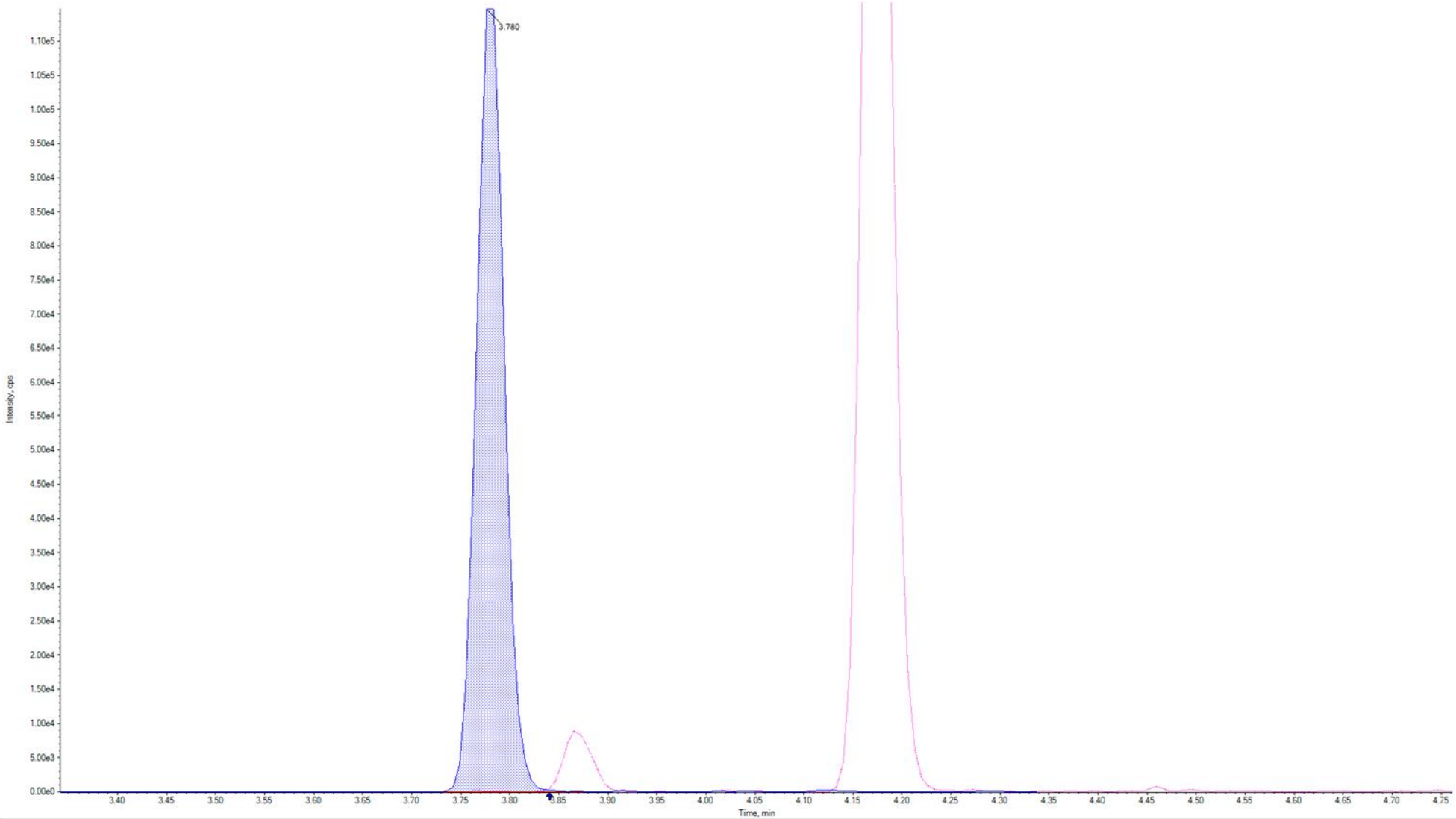
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

PFHpS_2
Sample: WG2011094-11,1633FMED S/N:2300.2 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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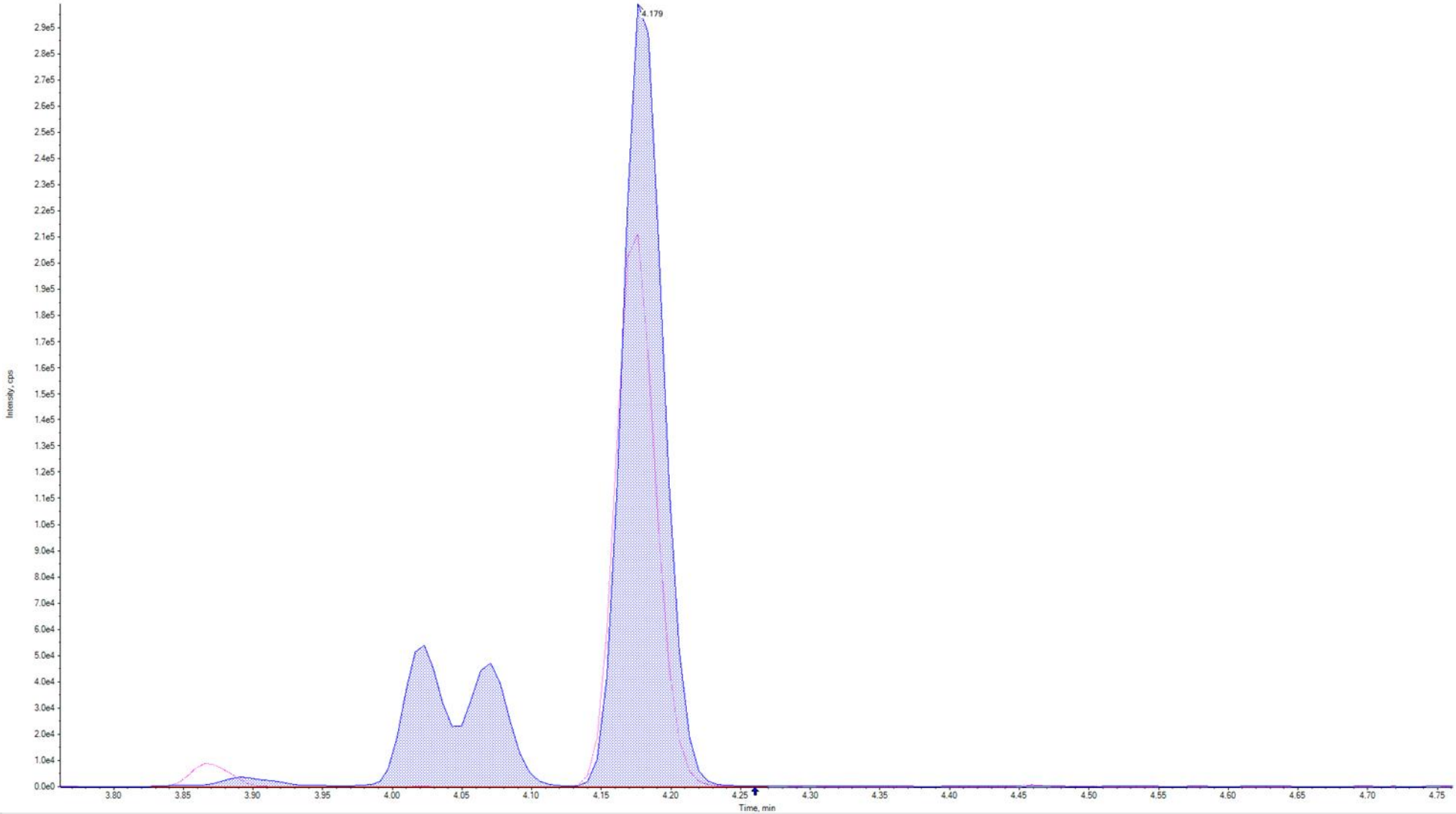
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

PFOS
Sample: WG2011094-11,1633FMED S/N:506.1 Points Across peak:71



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/19/2024 3:55:43 PM
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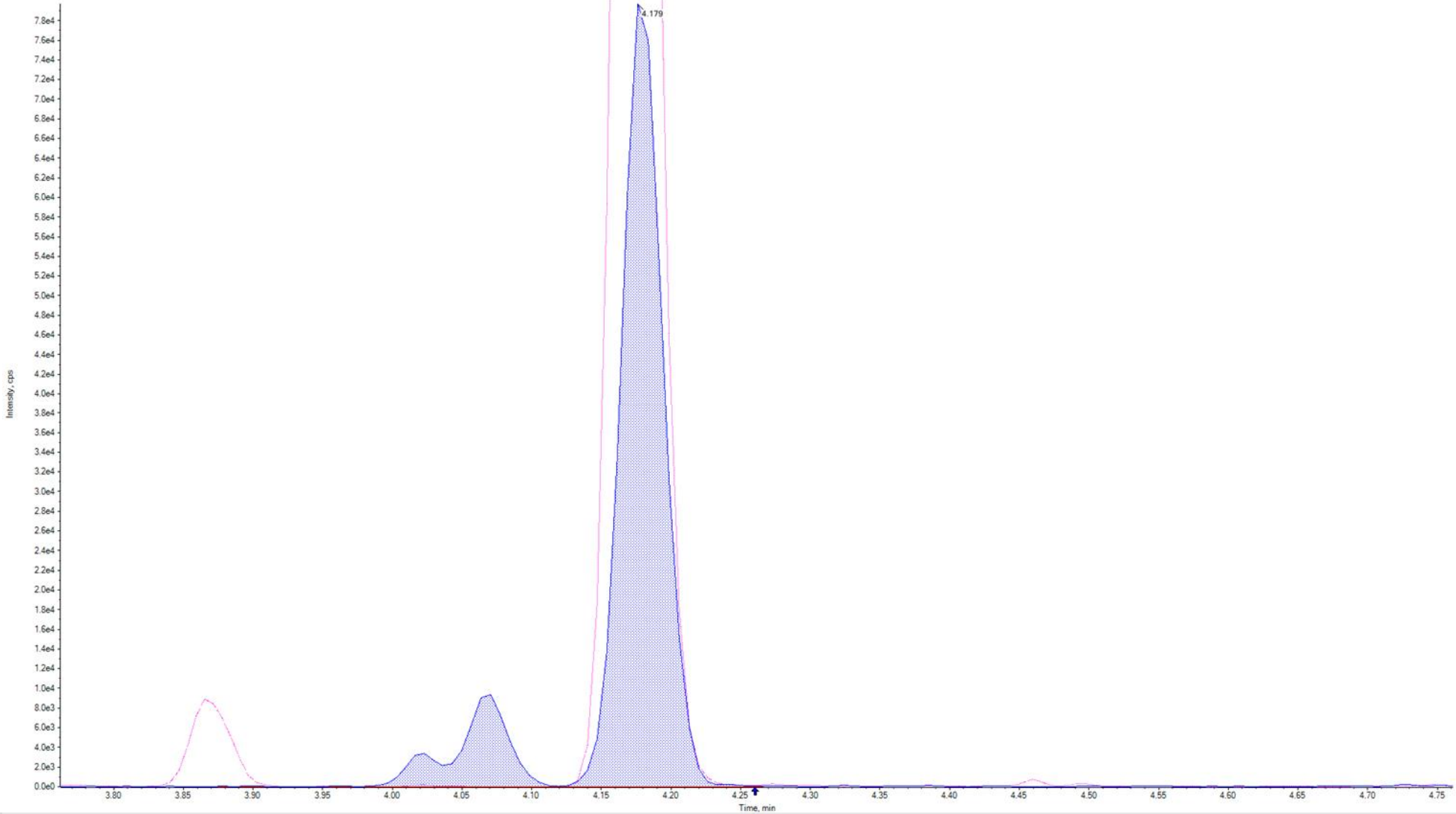
PFOS_2
Sample: WG2011094-11,1633FMED S/N:801.3 Points Across peak:64



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/19/2024 3:55:43 PM
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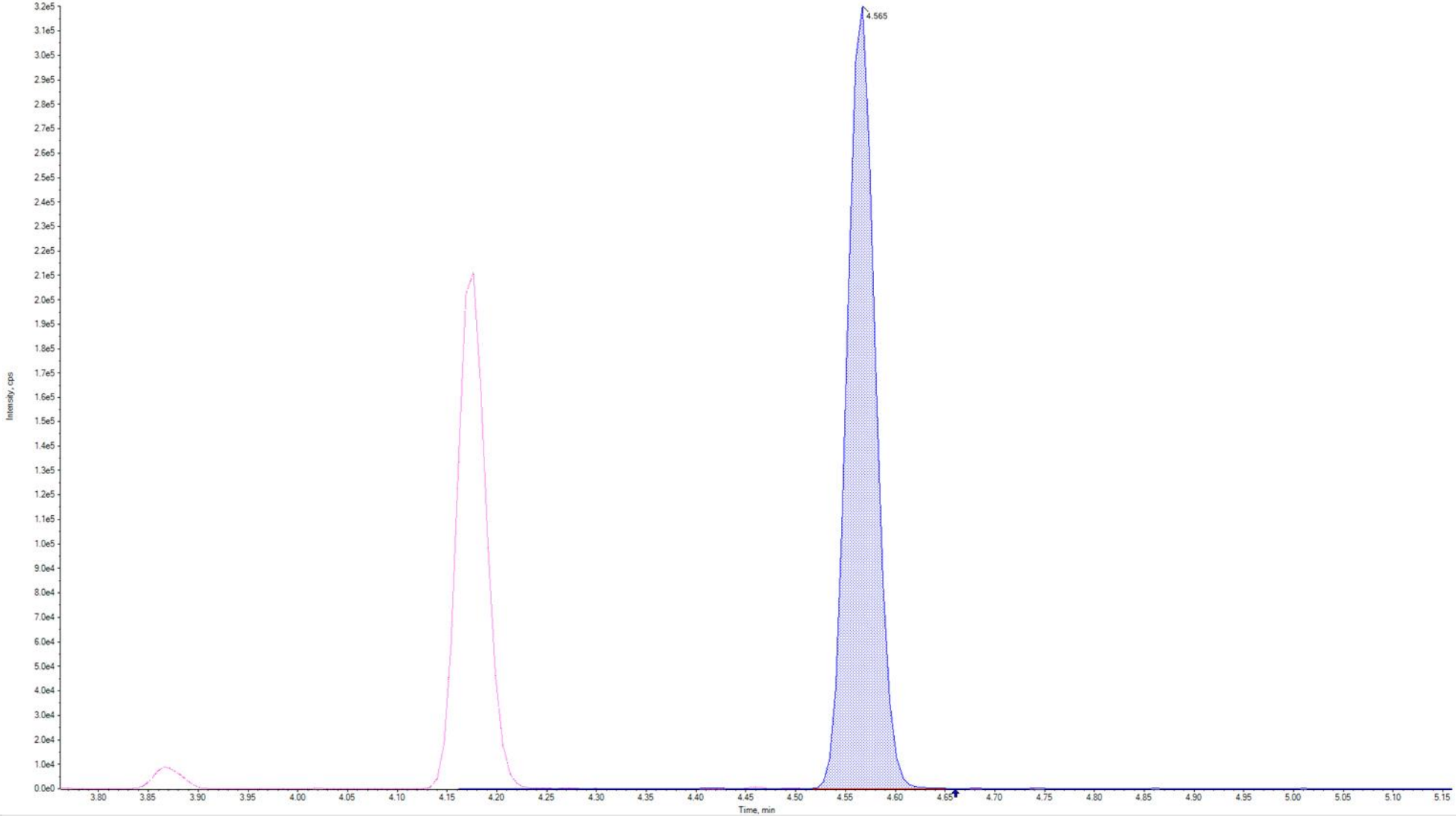
PFNS
Sample: WG2011094-11,1633FMED S/N:8023.6 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/19/2024 3:55:43 PM
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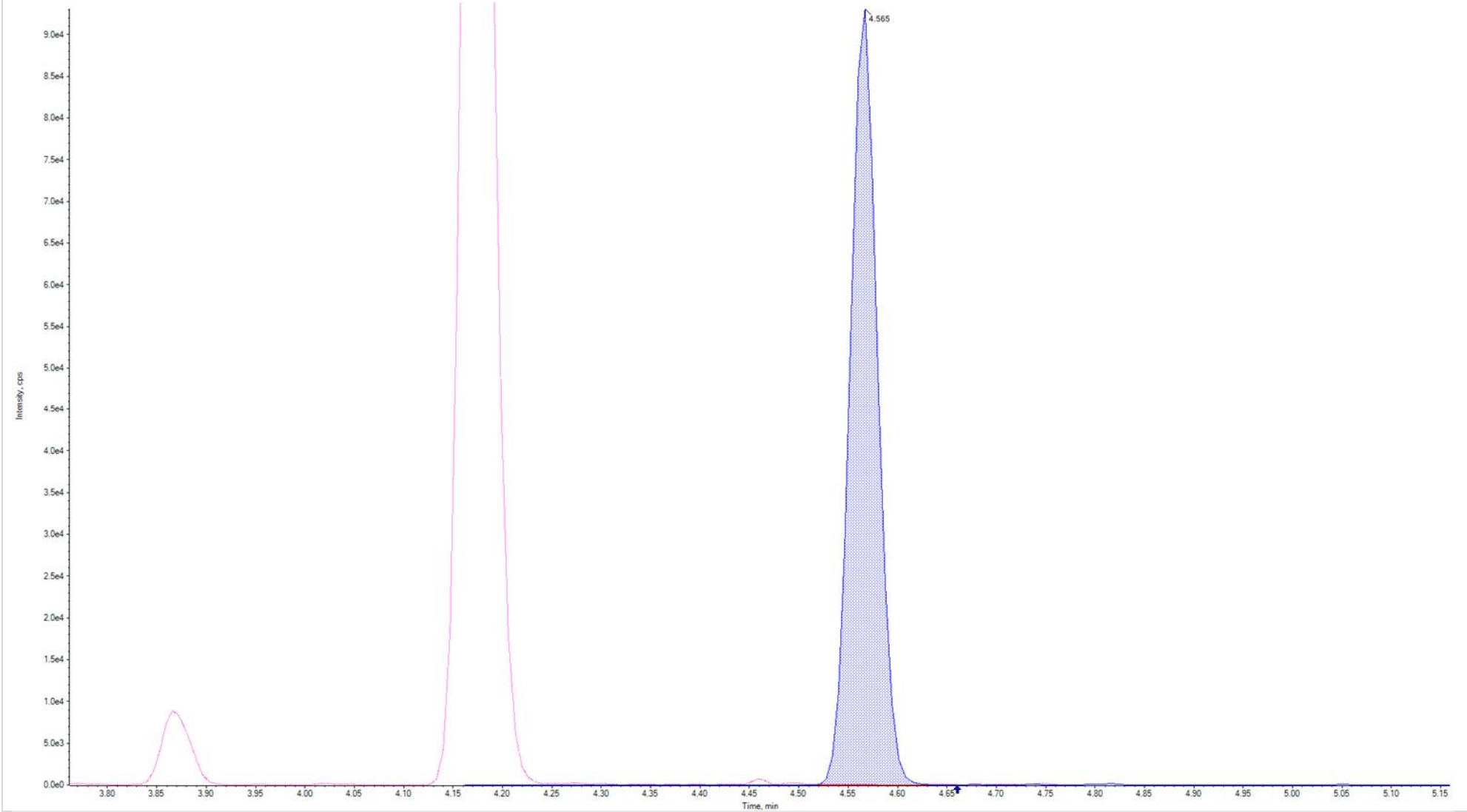
PFNS_2
Sample: WG2011094-11,1633FMED S/N:2332.3 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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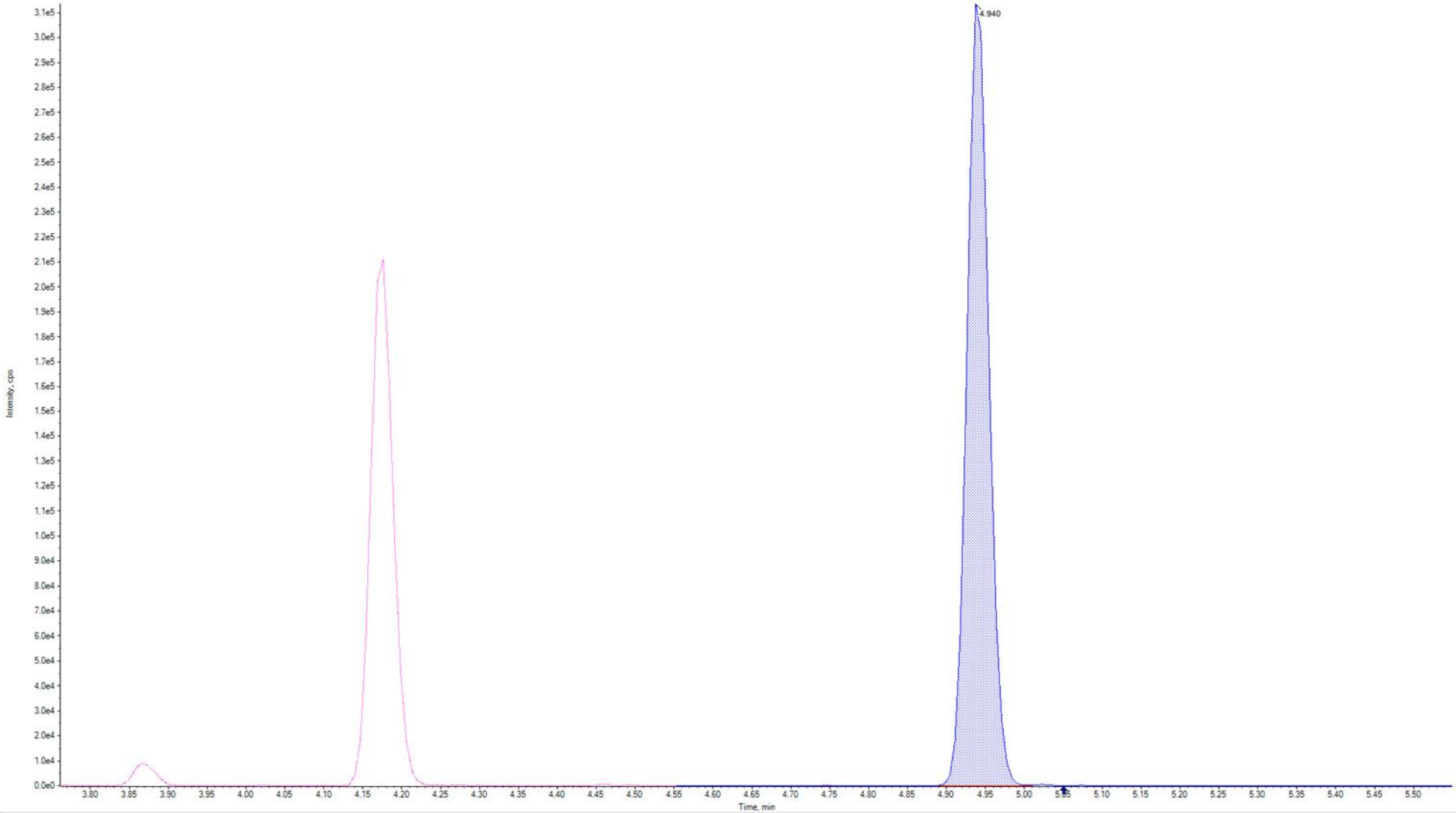
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

PFDS
Sample: WG2011094-11,1633FMED S/N:11000.9 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/19/2024 3:55:43 PM
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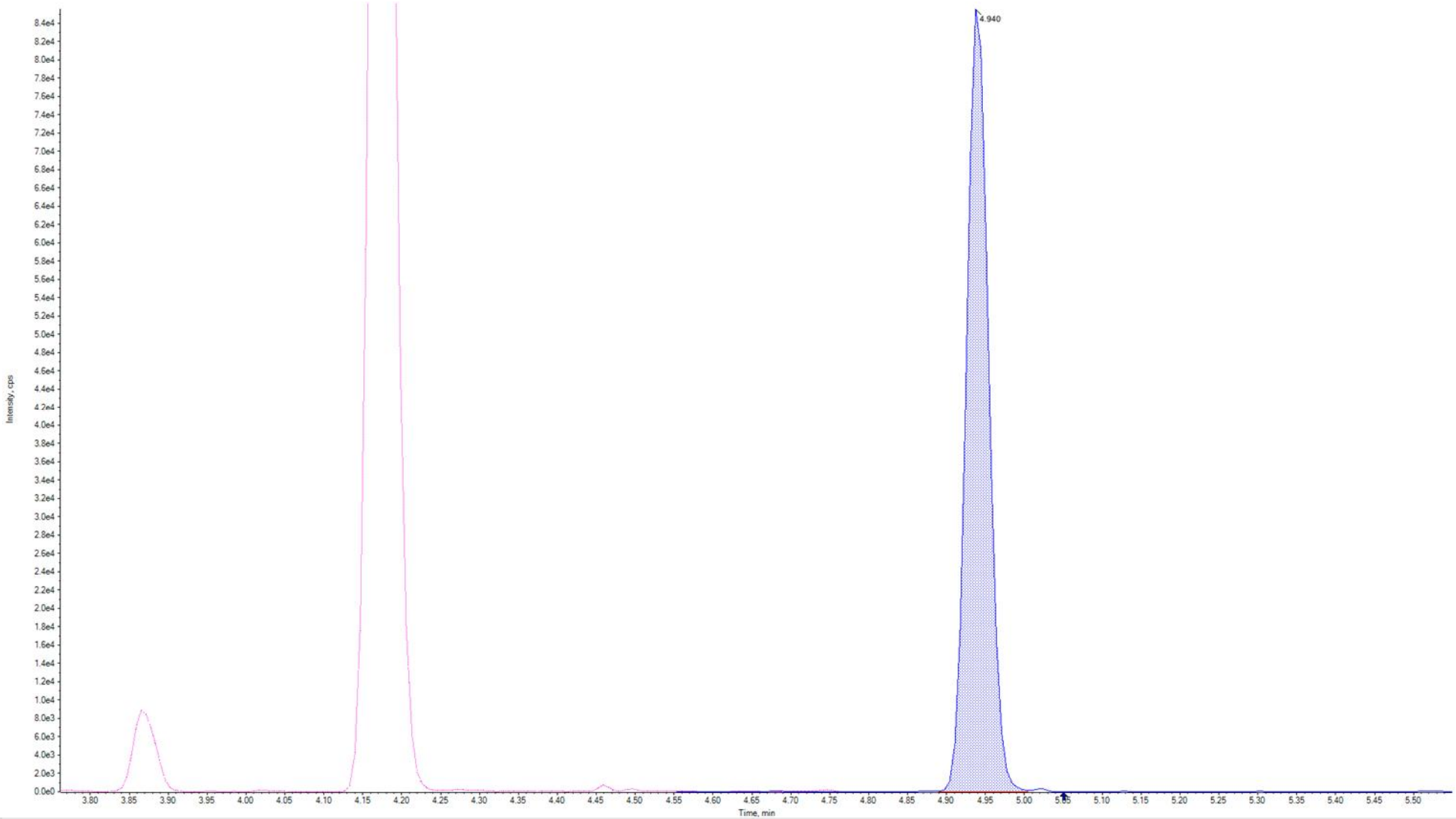
PFDS_2
Sample: WG2011094-11,1633FMED S/N:3001.5 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/19/2024 3:55:43 PM
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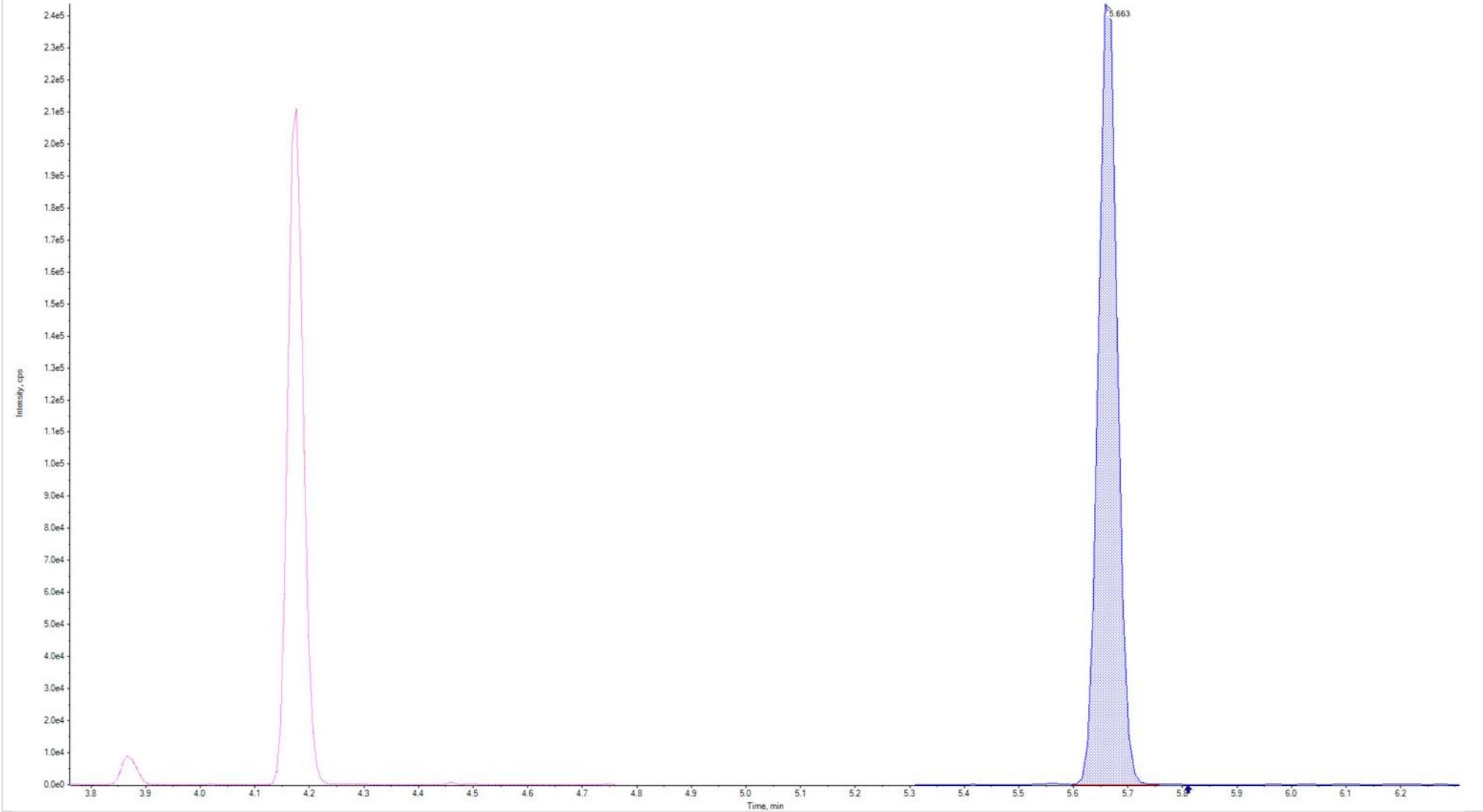
PFDoS
Sample: WG2011094-11,1633FMED S/N:1597.9 Points Across peak:16



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/19/2024 3:55:43 PM
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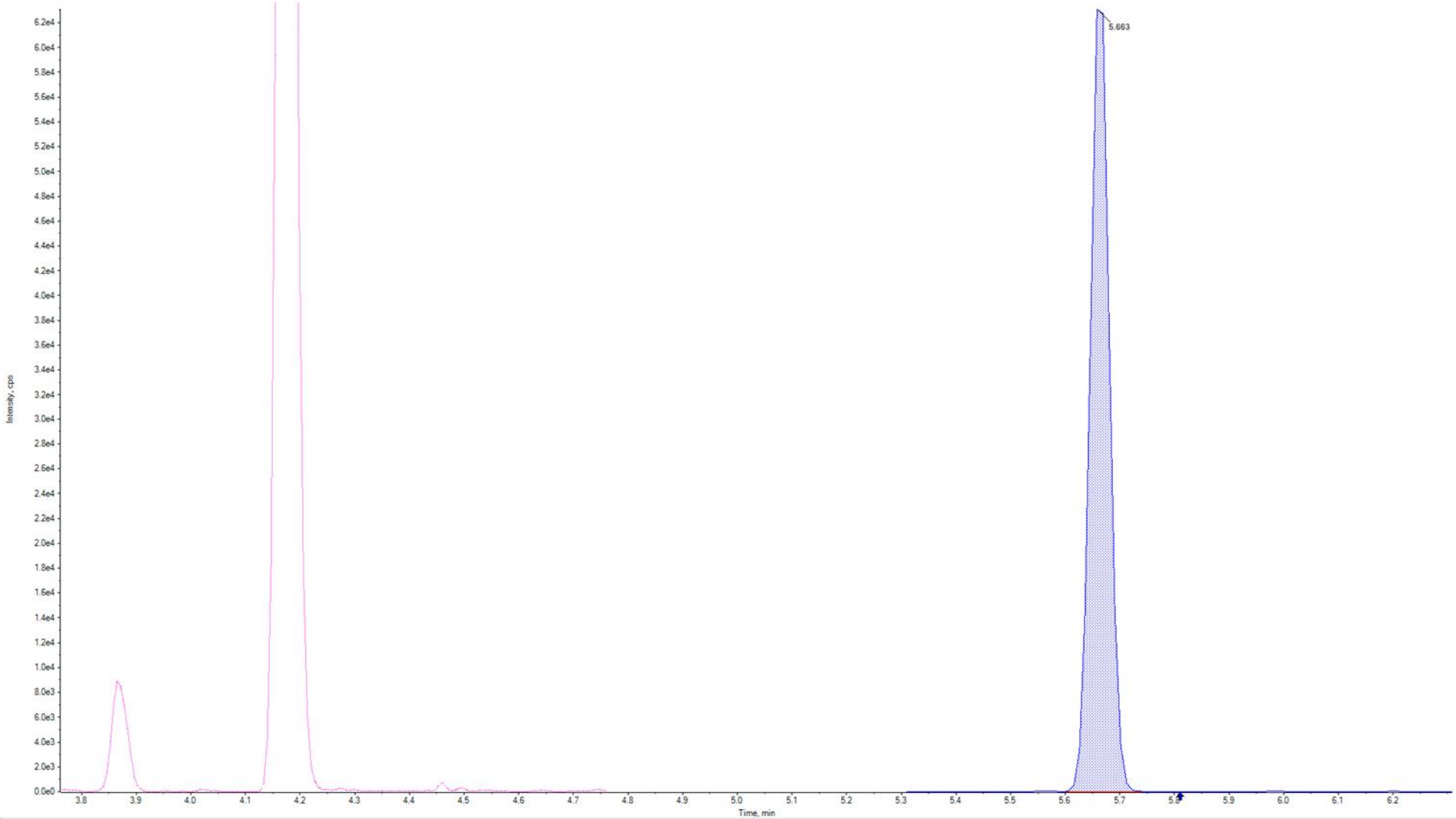
PFDoS_2
Sample: WG2011094-11,1633FMED S/N:4901.2 Points Across peak:16



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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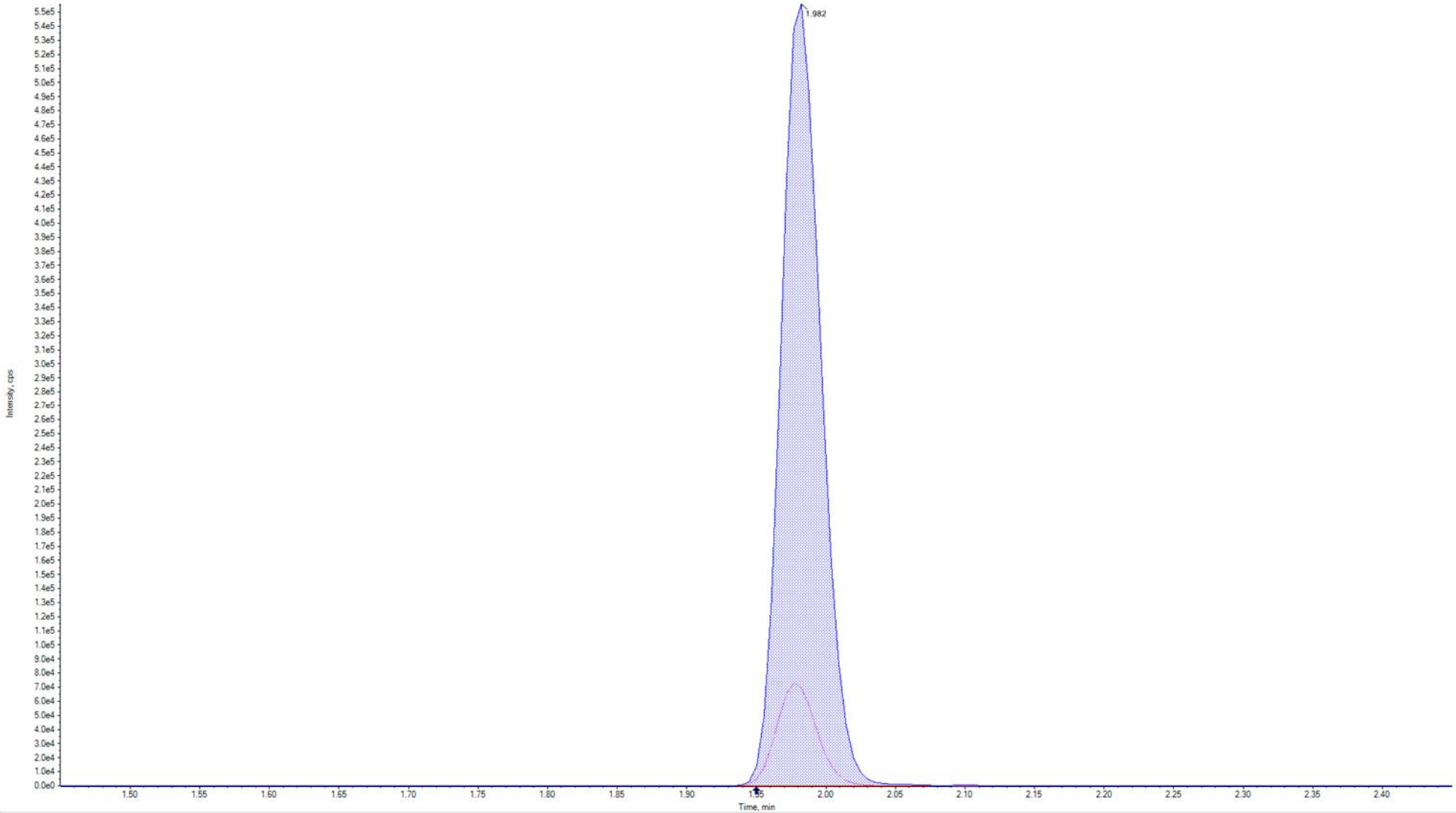
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

4:2FTS
Sample: WG2011094-11,1633FMED S/N:20900.1 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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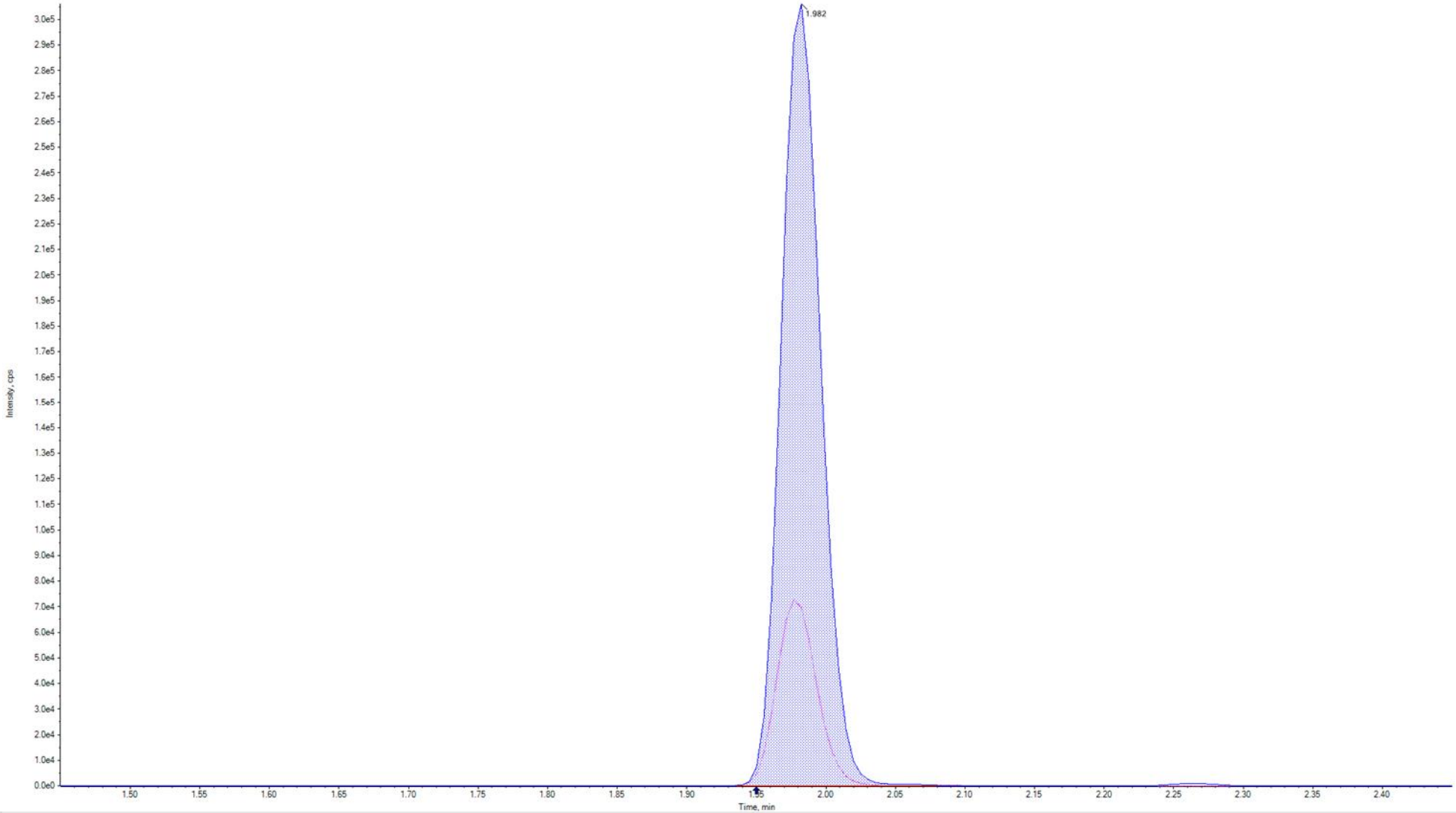
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

4:2FTS_2
Sample: WG2011094-11,1633FMED S/N:8474.9 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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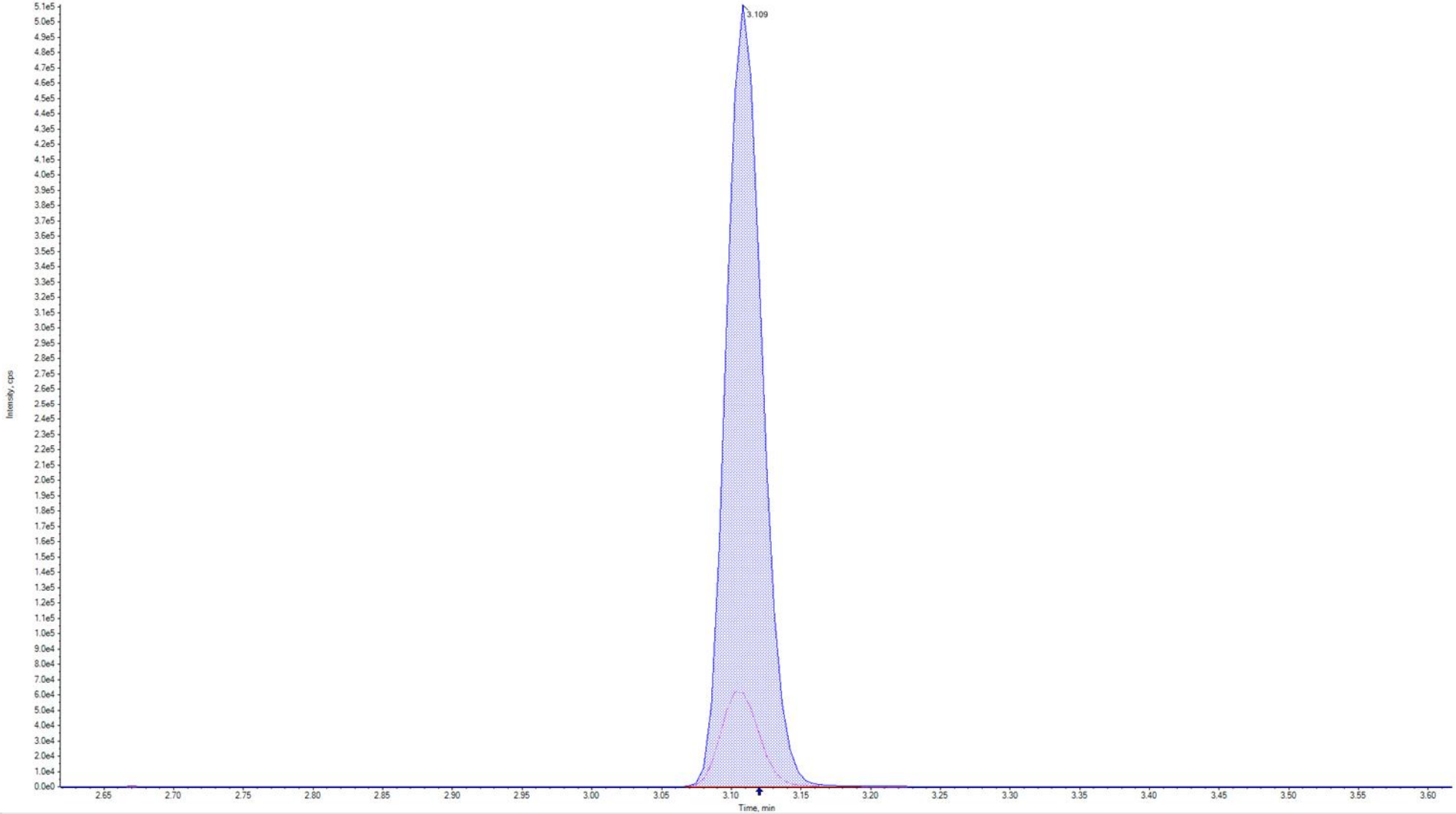
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

6:2FTS
Sample: WG2011094-11,1633FMED S/N:6470.4 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

6:2FTS_2
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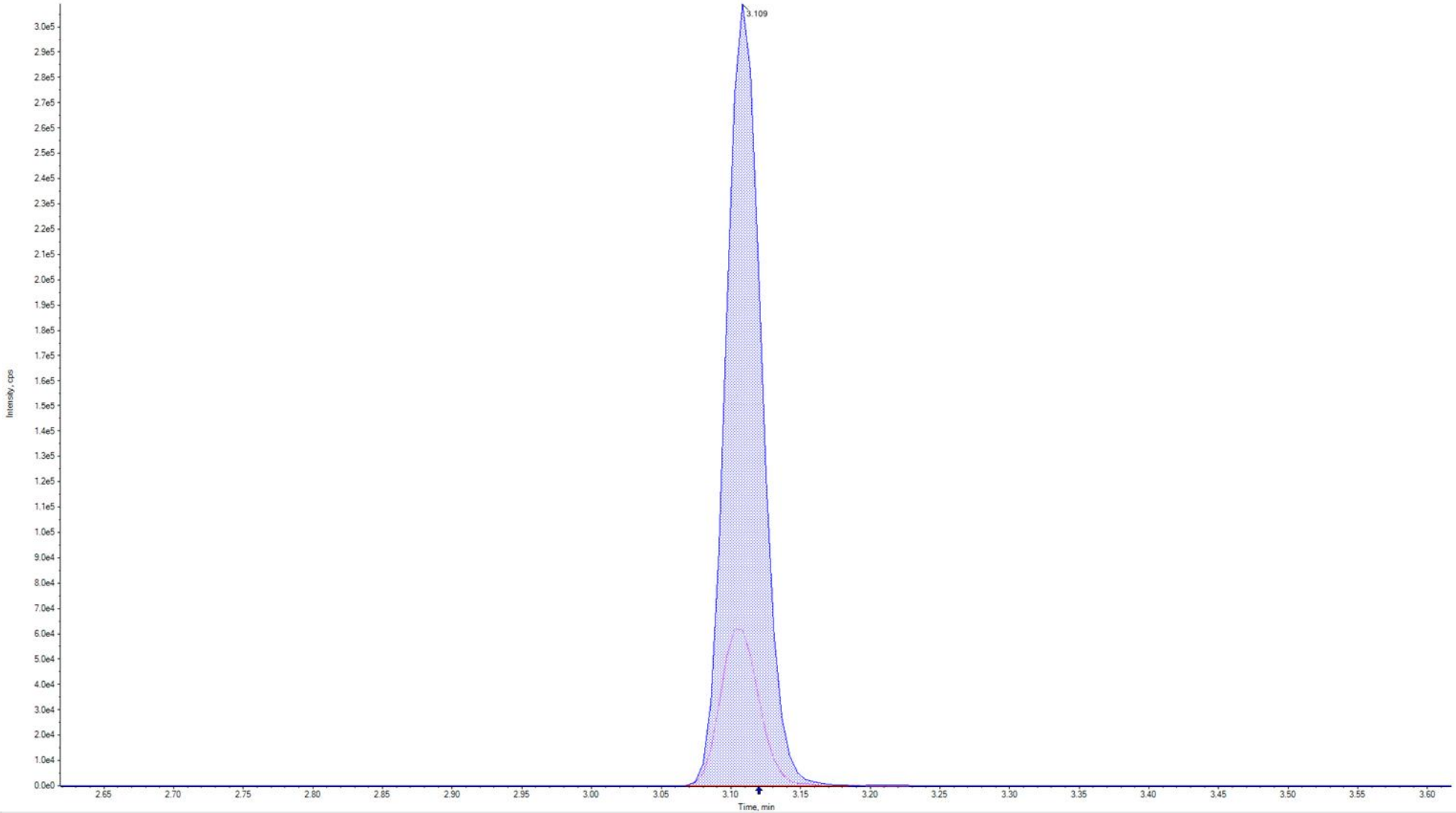
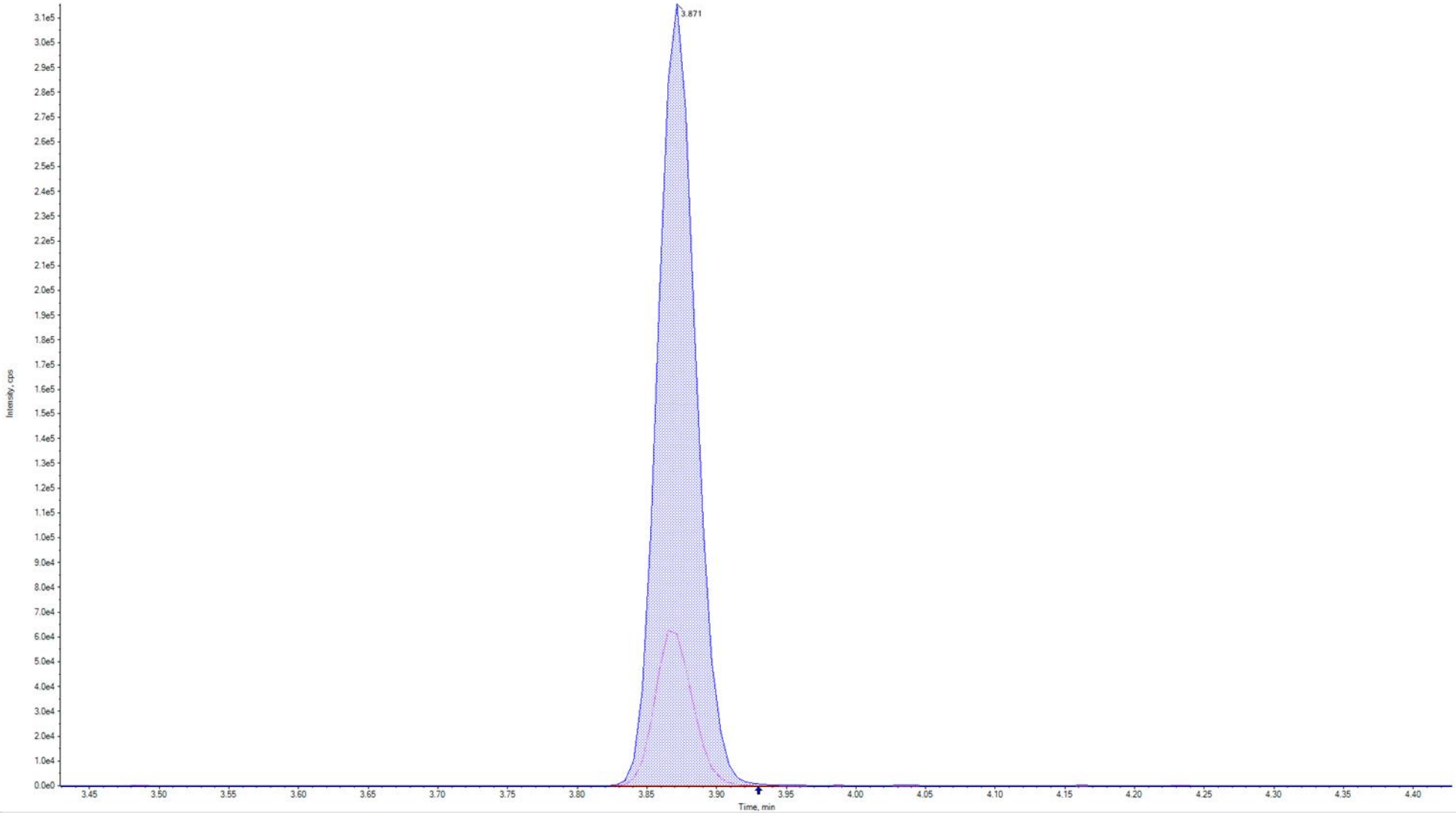


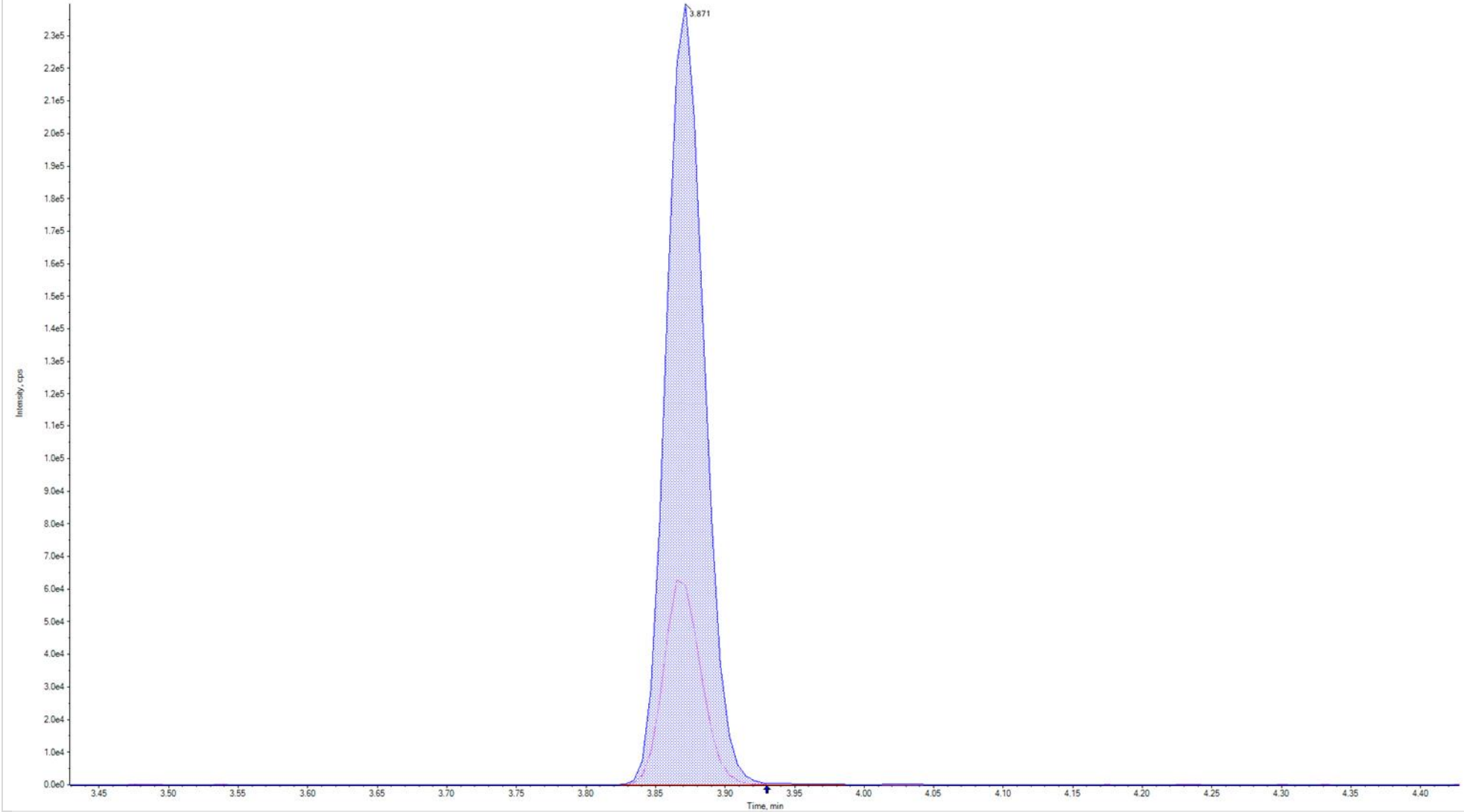
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

8:2FTS
Sample: WG2011094-11,1633FMED S/N:6330.6 Points Across peak:25



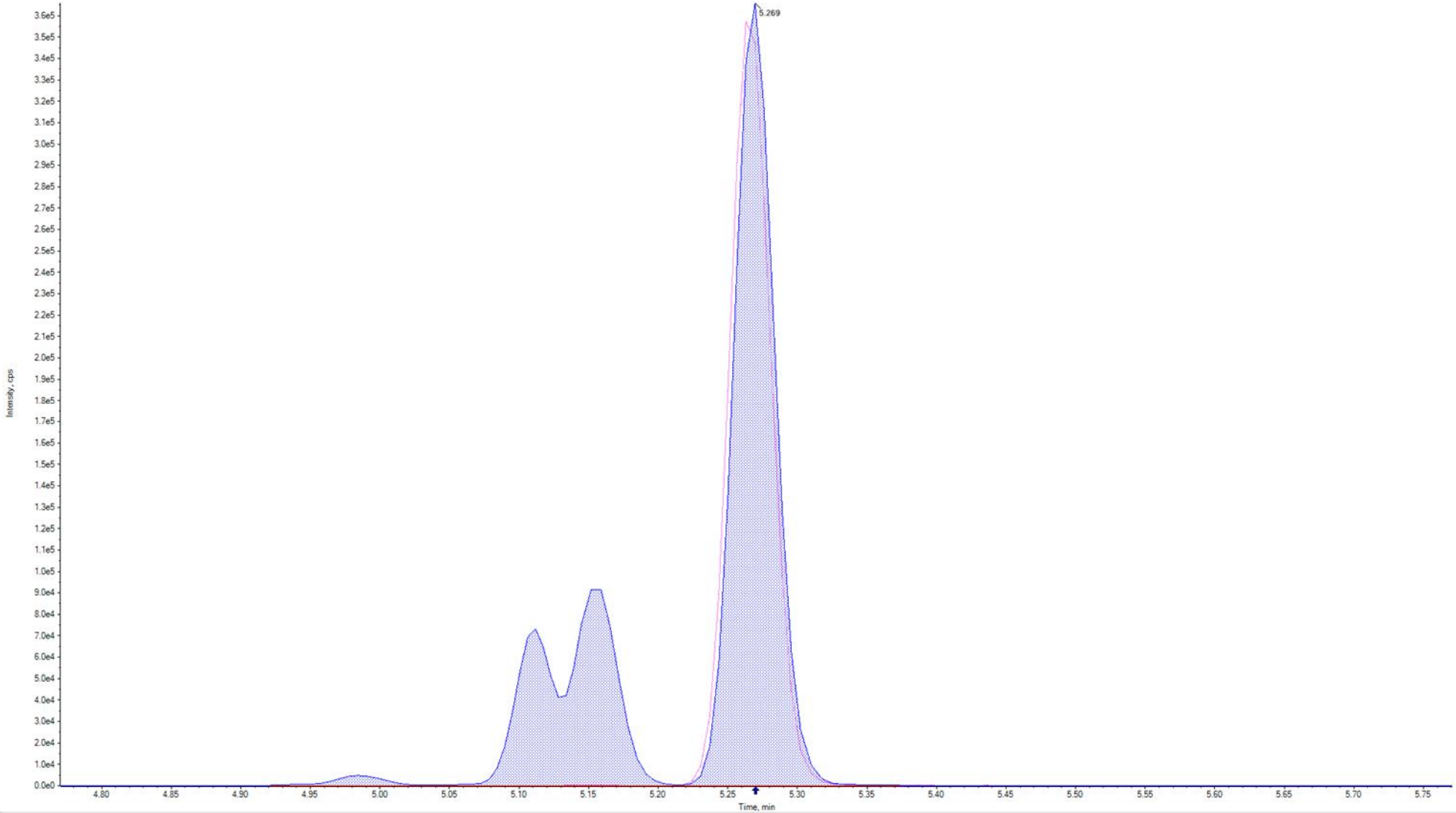
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

8:2FTS_2
Sample: WG2011094-11,1633FMED S/N:4808.0 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

PFOSA
Sample: WG2011094-11,1633FMED S/N:250.1 Points Across peak:77



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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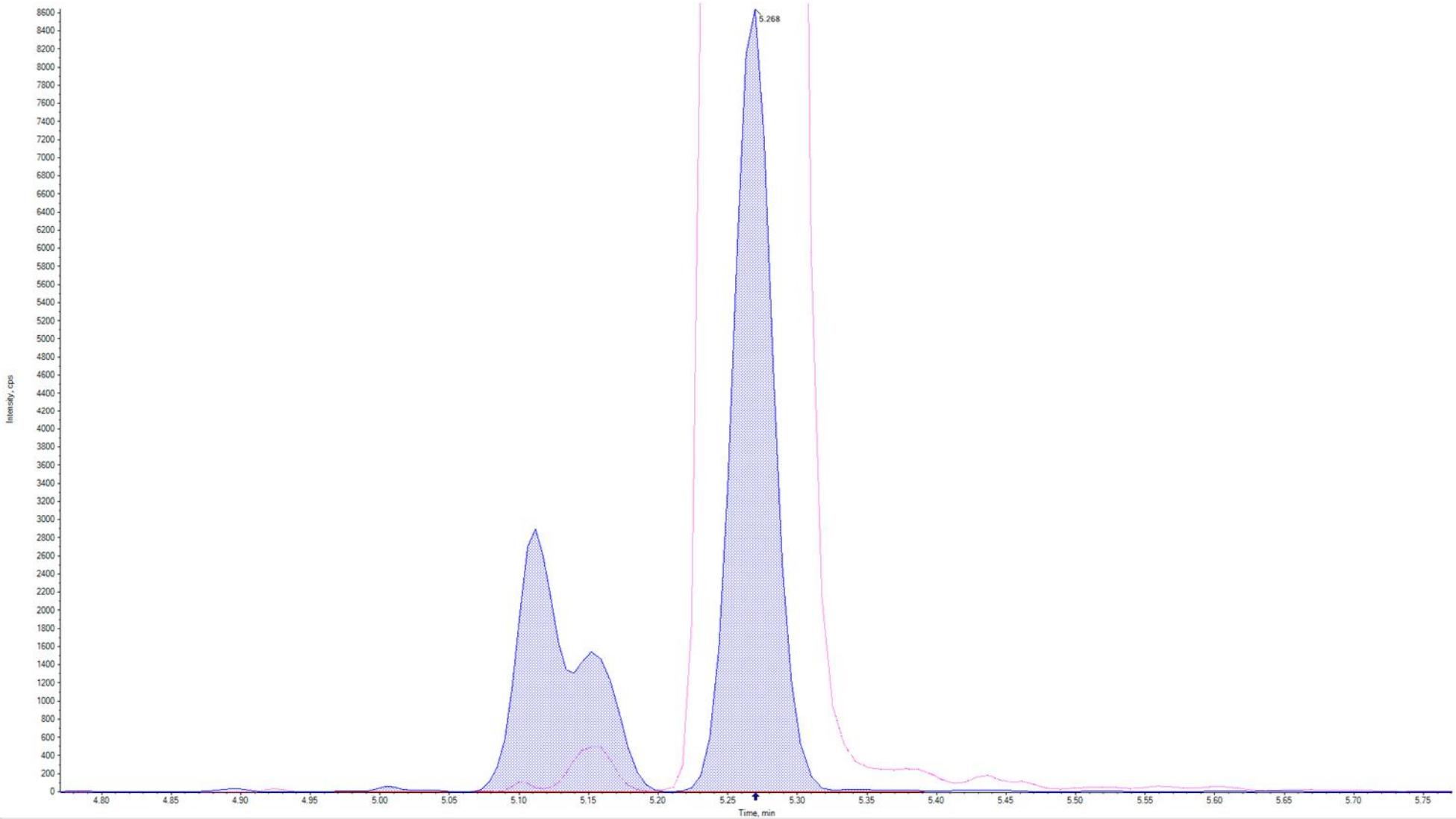
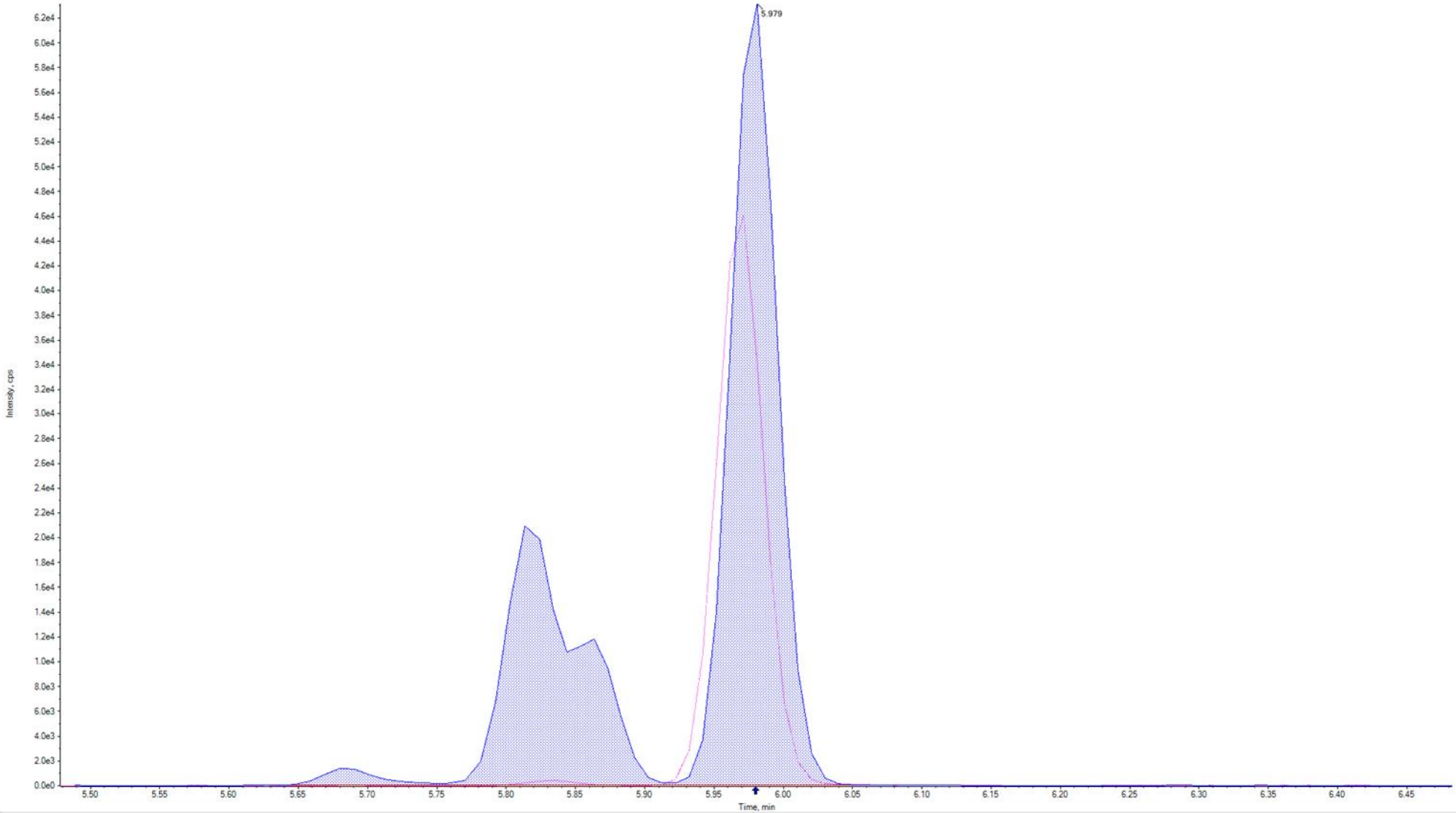
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

PFOSA_2
Sample: WG2011094-11,1633FMED S/N:354.6 Points Across peak:69



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

NMeFOSA
Sample: WG2011094-11,1633FMED S/N:278.3 Points Across peak:43



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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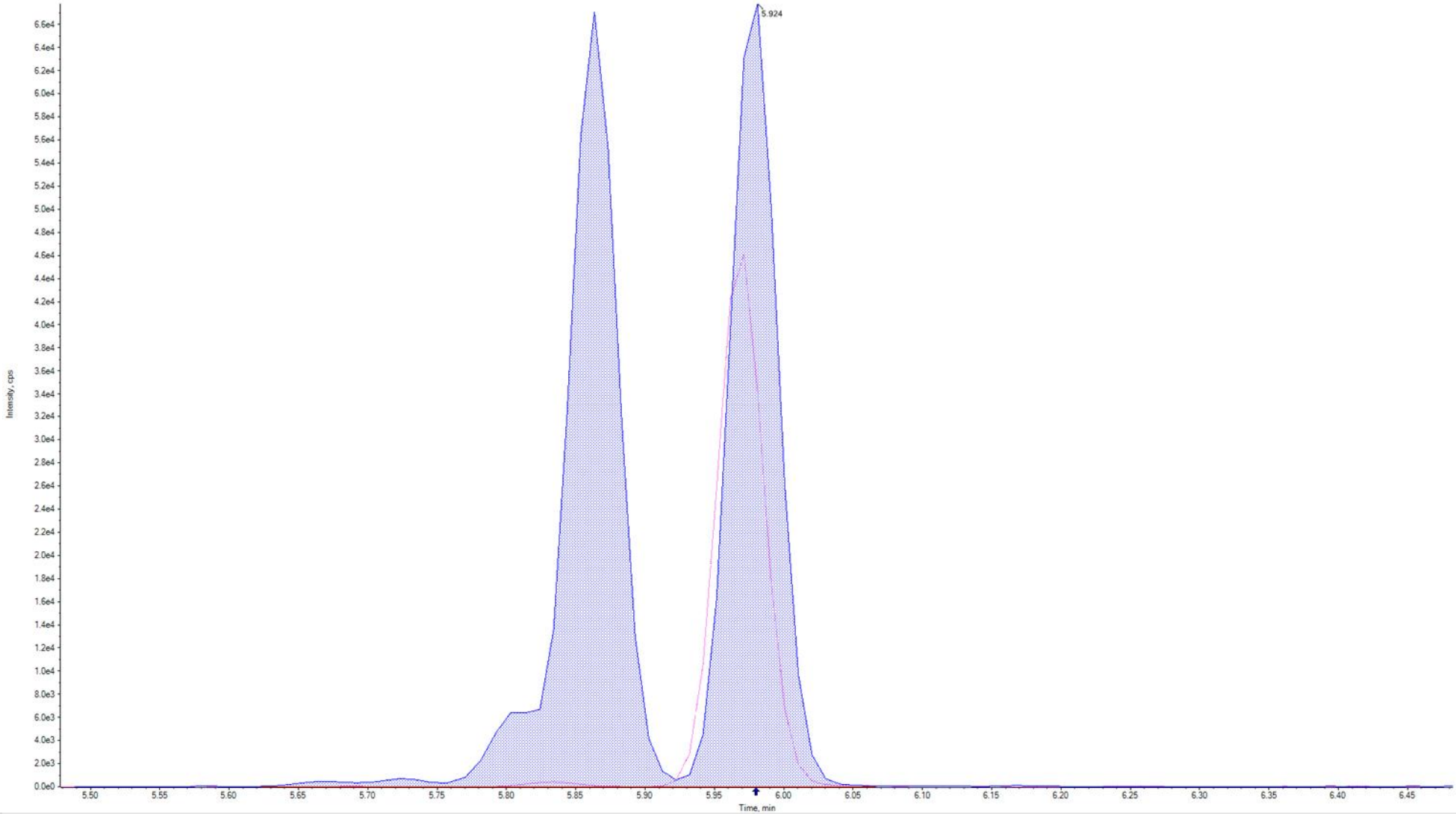
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

NMeFOSA_2
Sample: WG2011094-11,1633FMED S/N:204.7 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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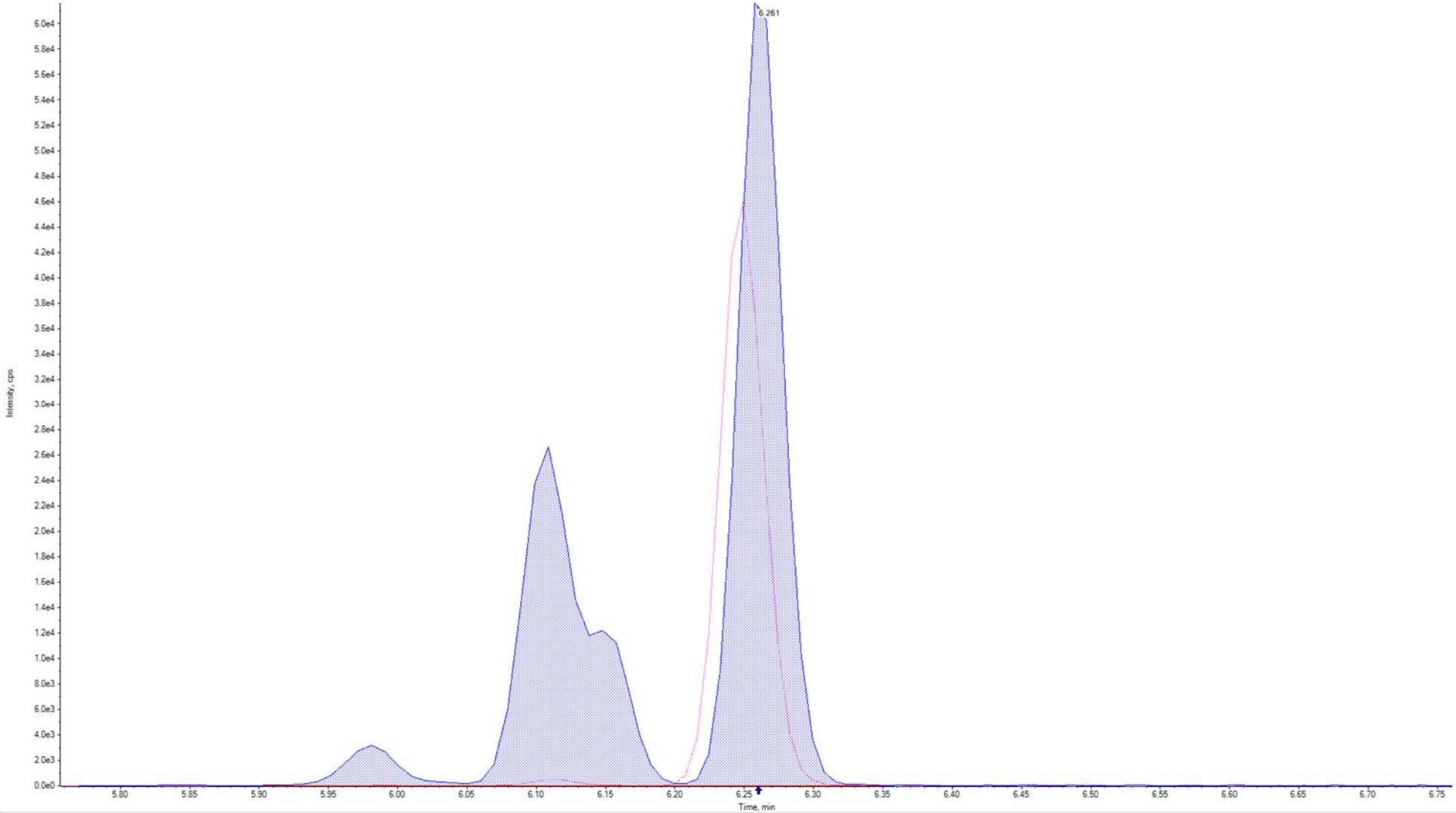
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

NEtFOSA
Sample: WG2011094-11,1633FMED S/N:1003.7 Points Across peak:54



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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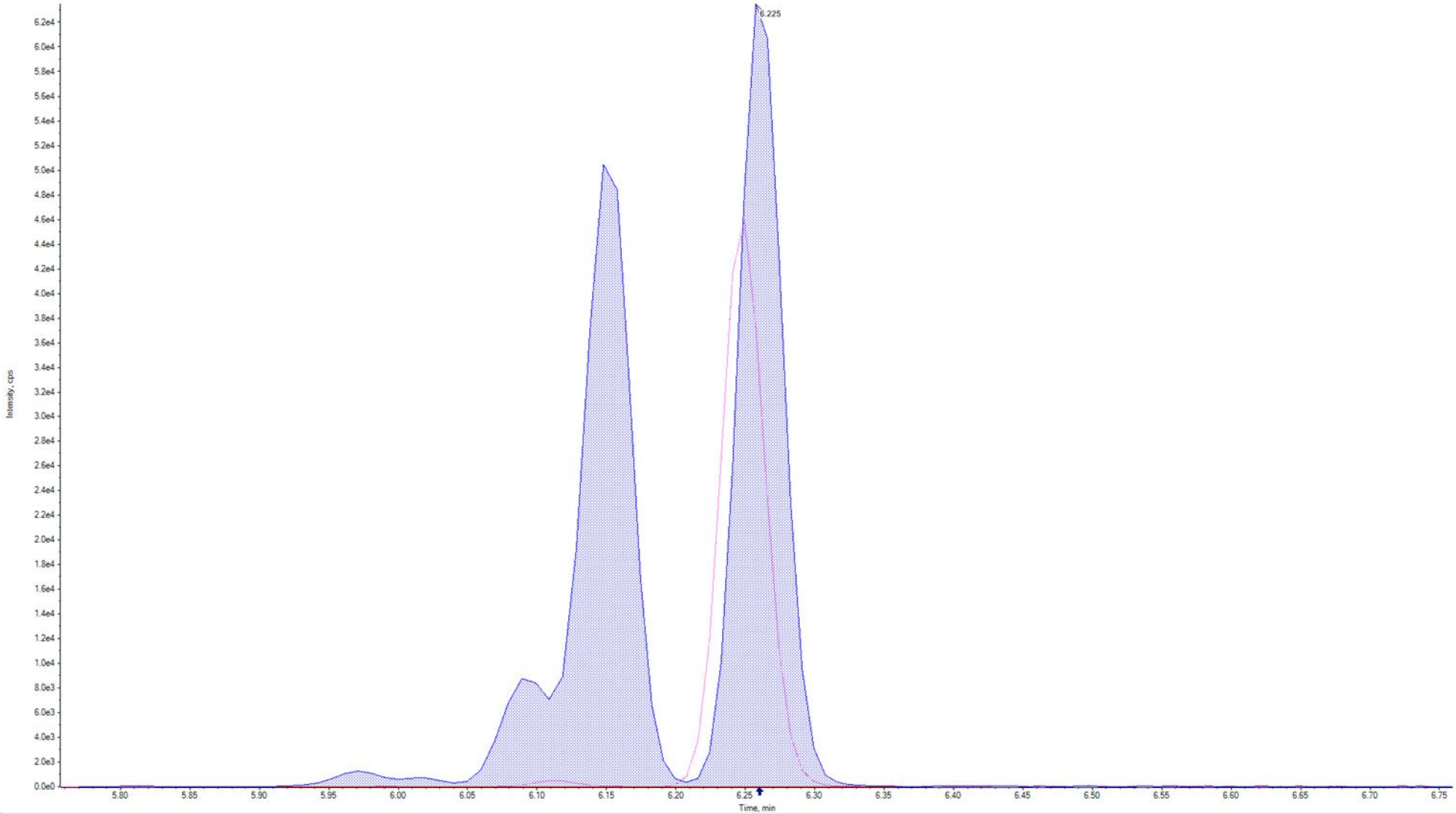
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

NEtFOSA_2
Sample: WG2011094-11,1633FMED S/N:808.9 Points Across peak:59



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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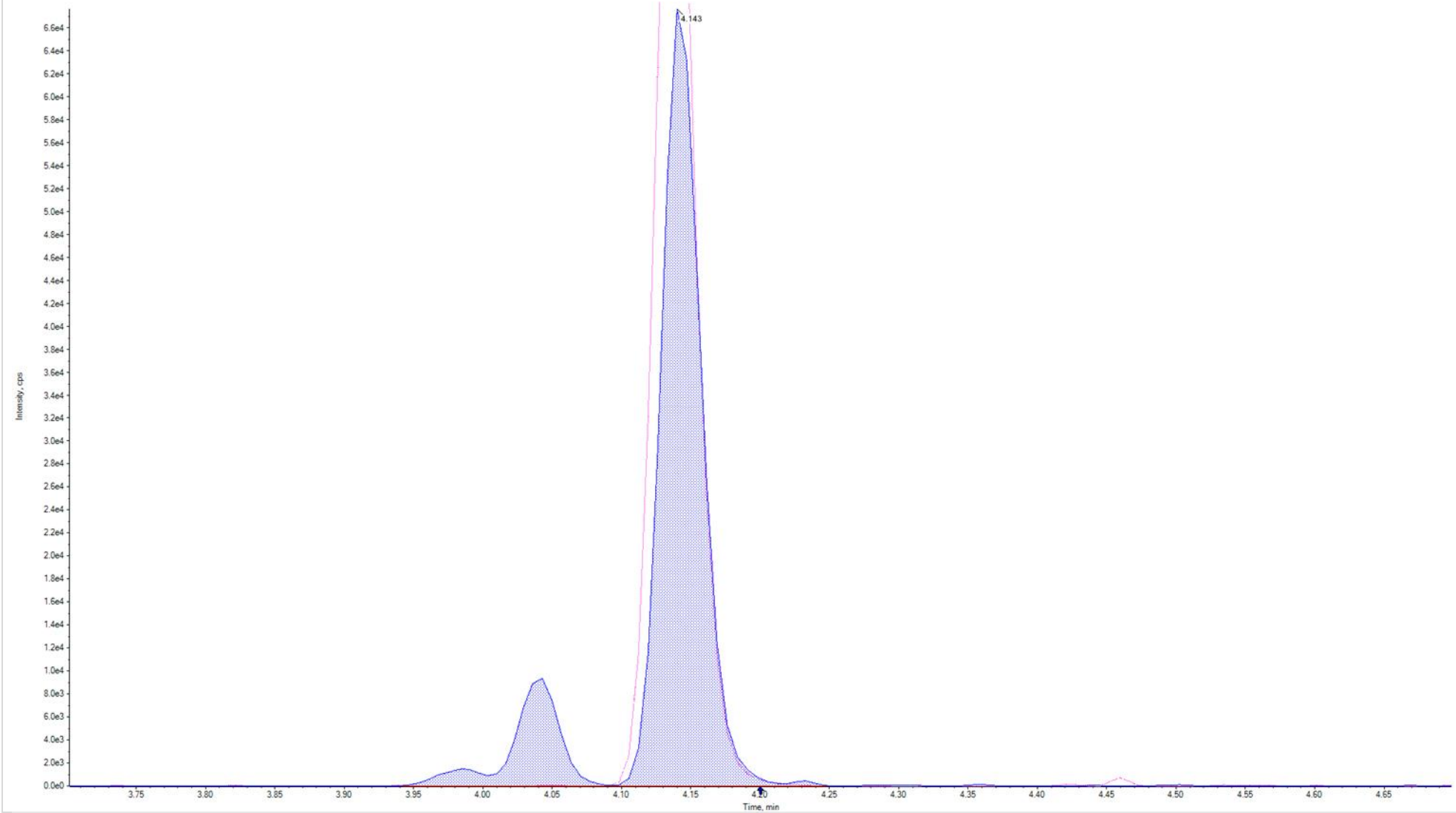
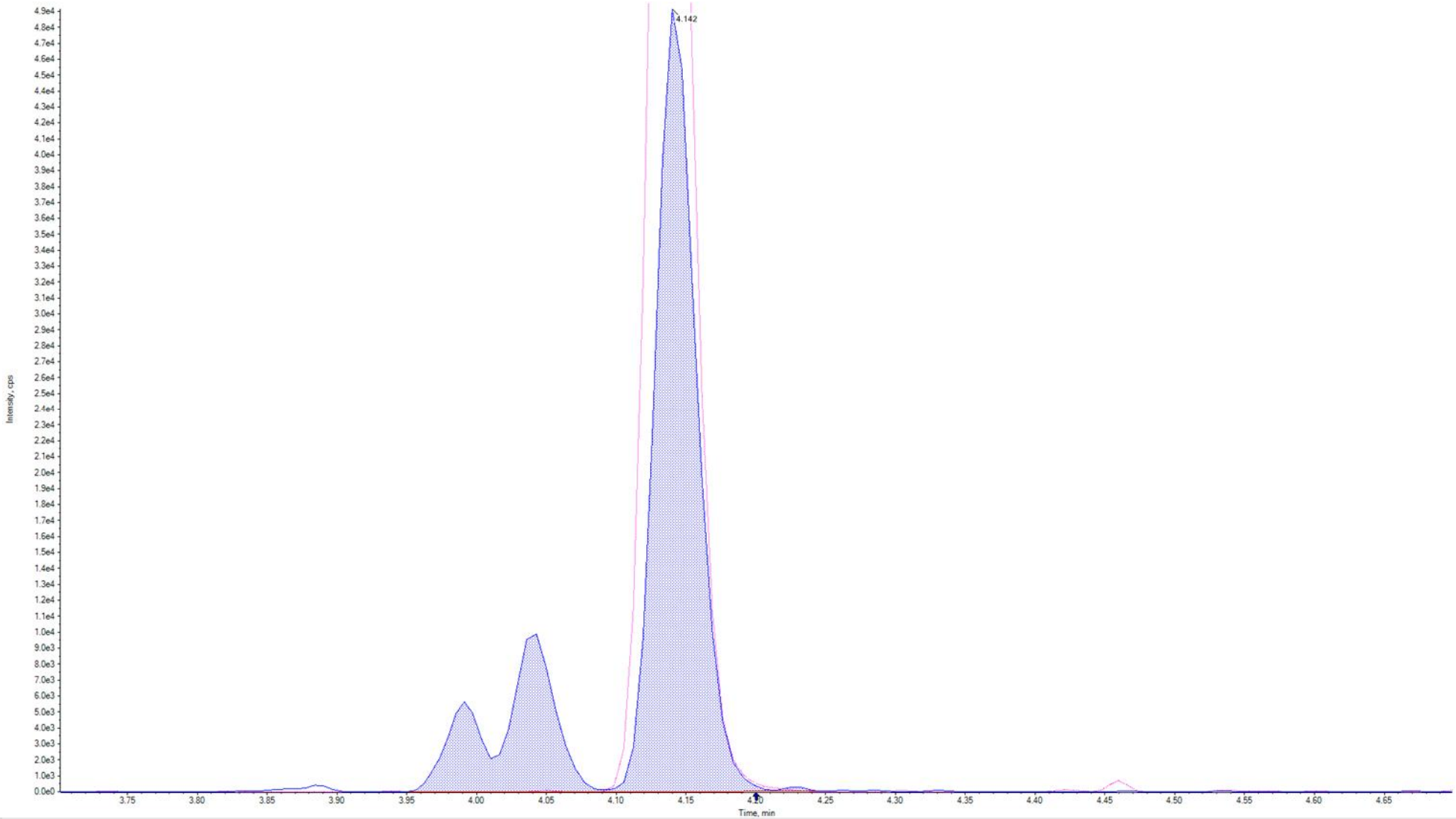
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

NMeFOSAA
Sample: WG2011094-11,1633FMED S/N:723.4 Points Across peak:51



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

NMeFOSAA_2
Sample: WG2011094-11,1633FMED S/N:473.5 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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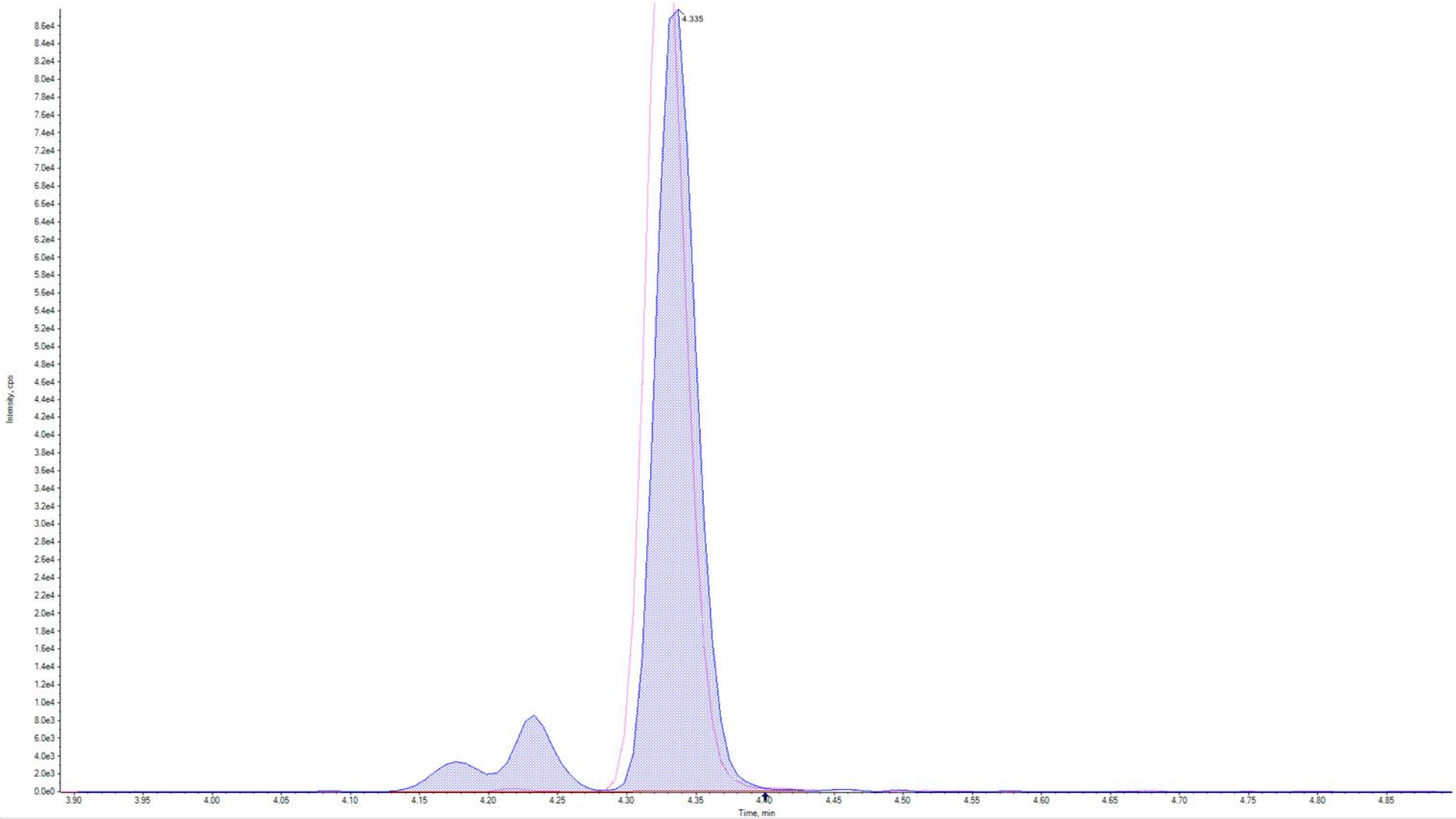
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

NEtFOSAA
Sample: WG2011094-11,1633FMED S/N:822.9 Points Across peak:48



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
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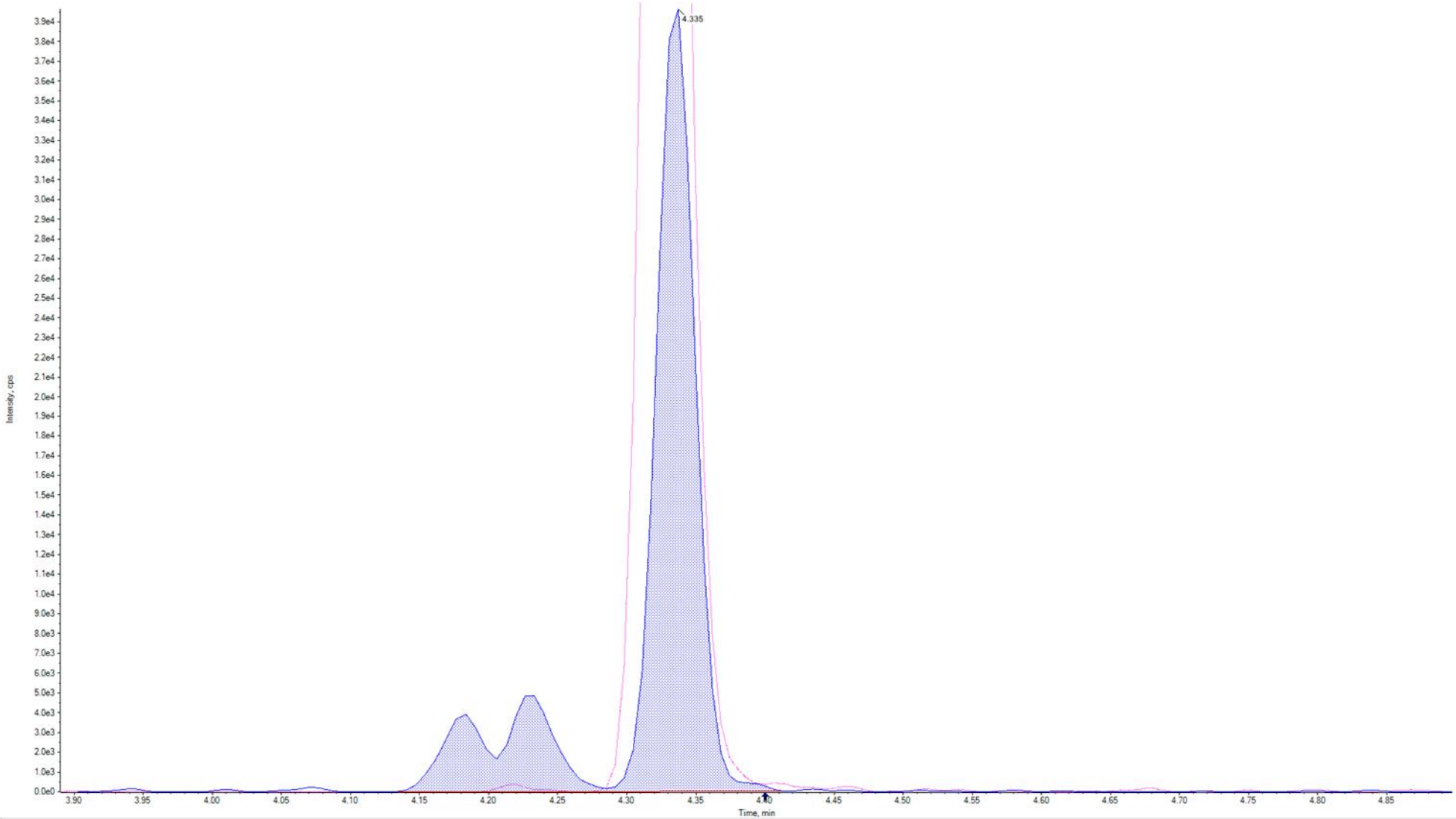
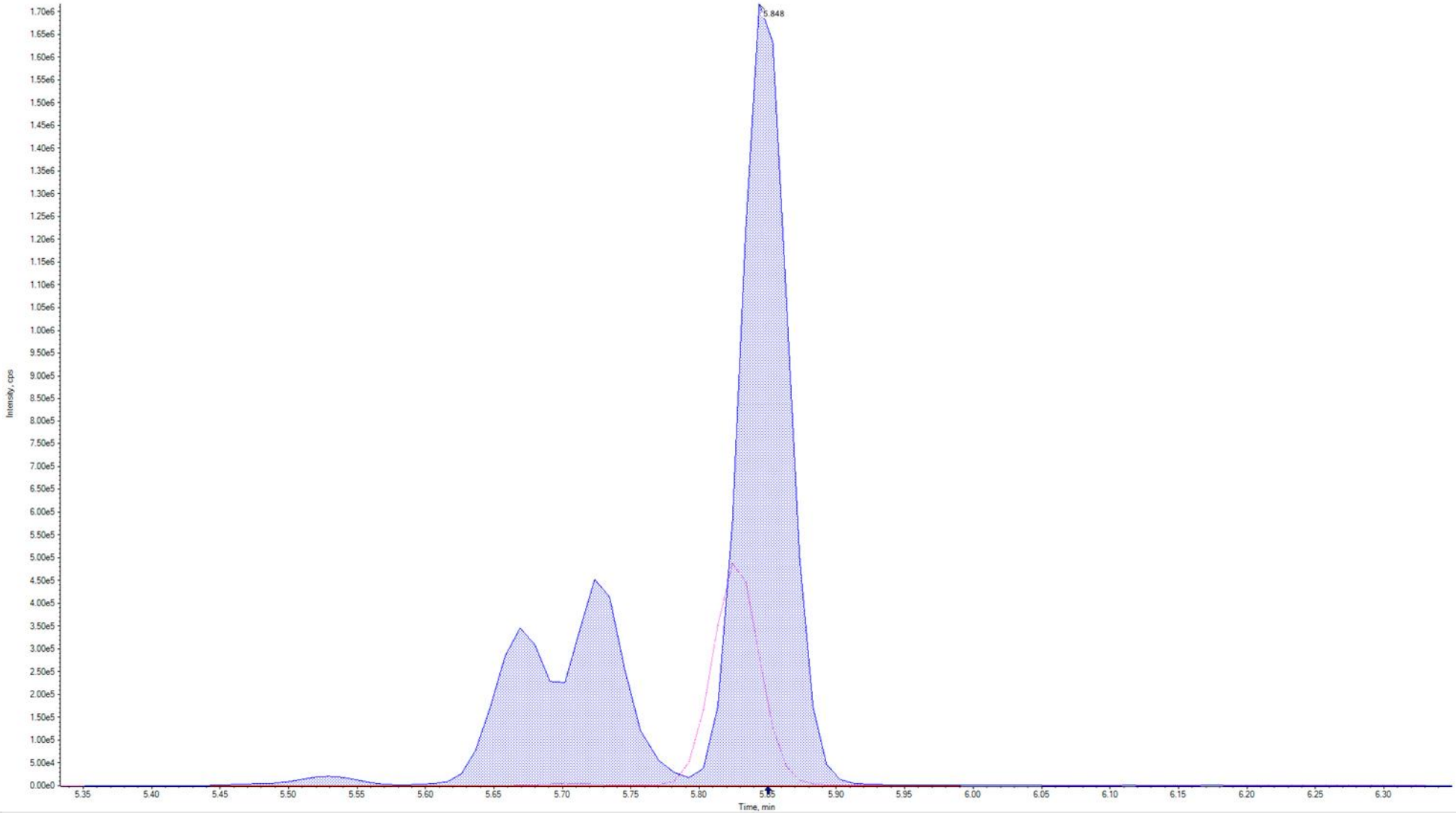
NEtFOSAA_2
Sample: WG2011094-11,1633FMED S/N:545.0 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

NMeFOSE
Sample: WG2011094-11,1633FMED S/N:223.3 Points Across peak:60



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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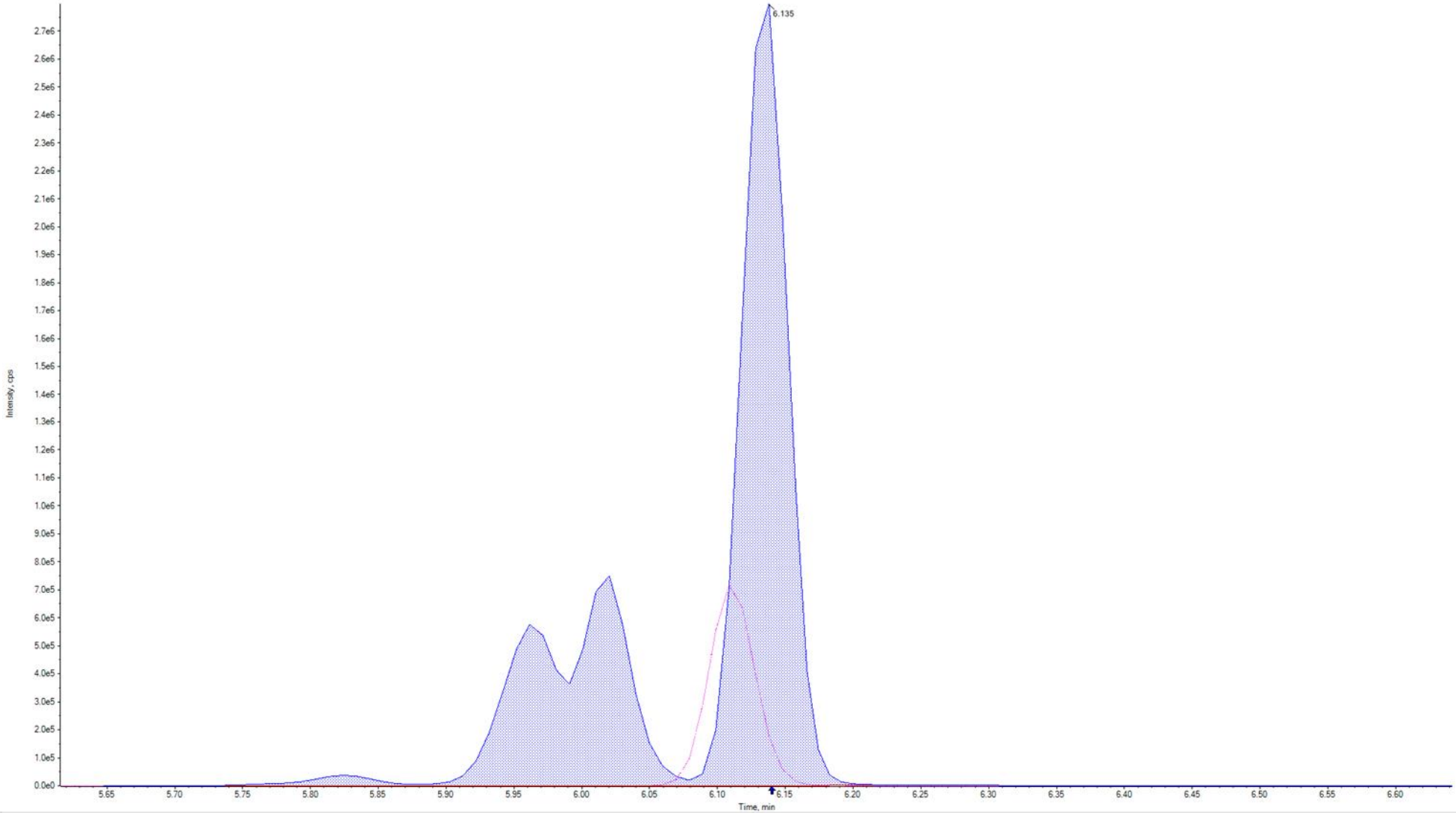
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

NEtFOSE
Sample: WG2011094-11,1633FMED S/N:416.5 Points Across peak:63



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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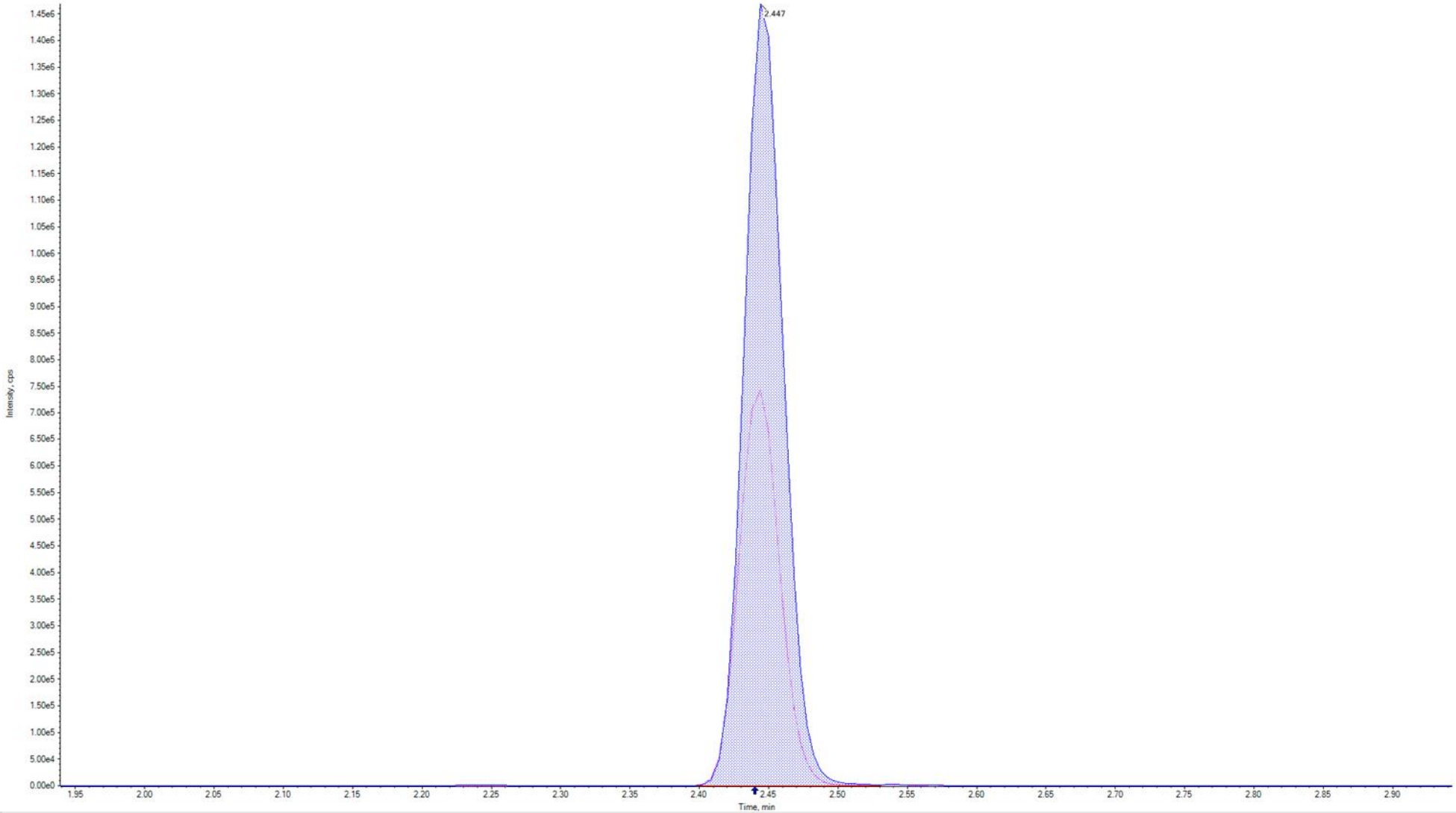
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

HFPO-DA
Sample: WG2011094-11,1633FMED S/N:7033.2 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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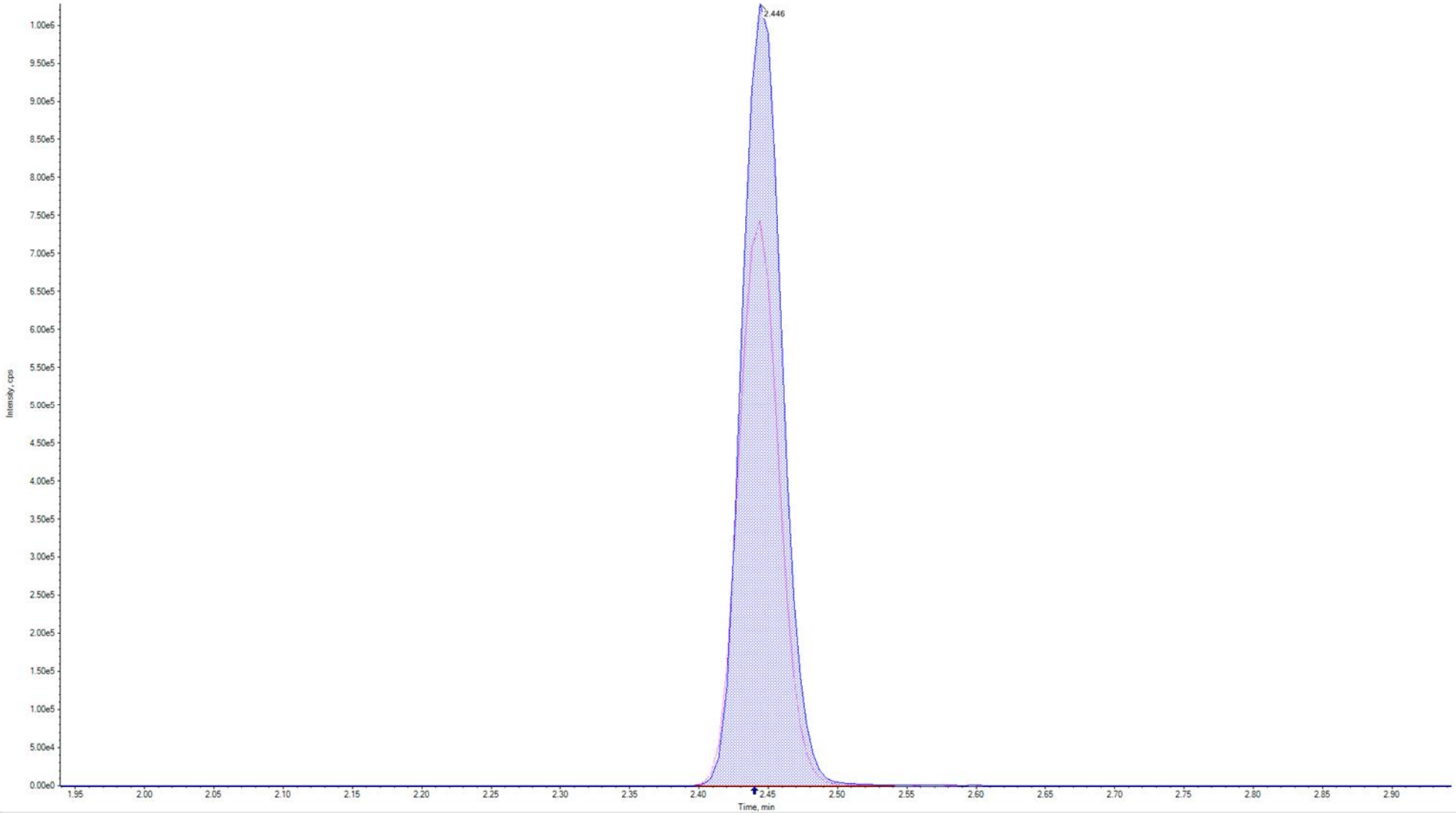
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

HFPO-DA_2
Sample: WG2011094-11,1633FMED S/N:23190.8 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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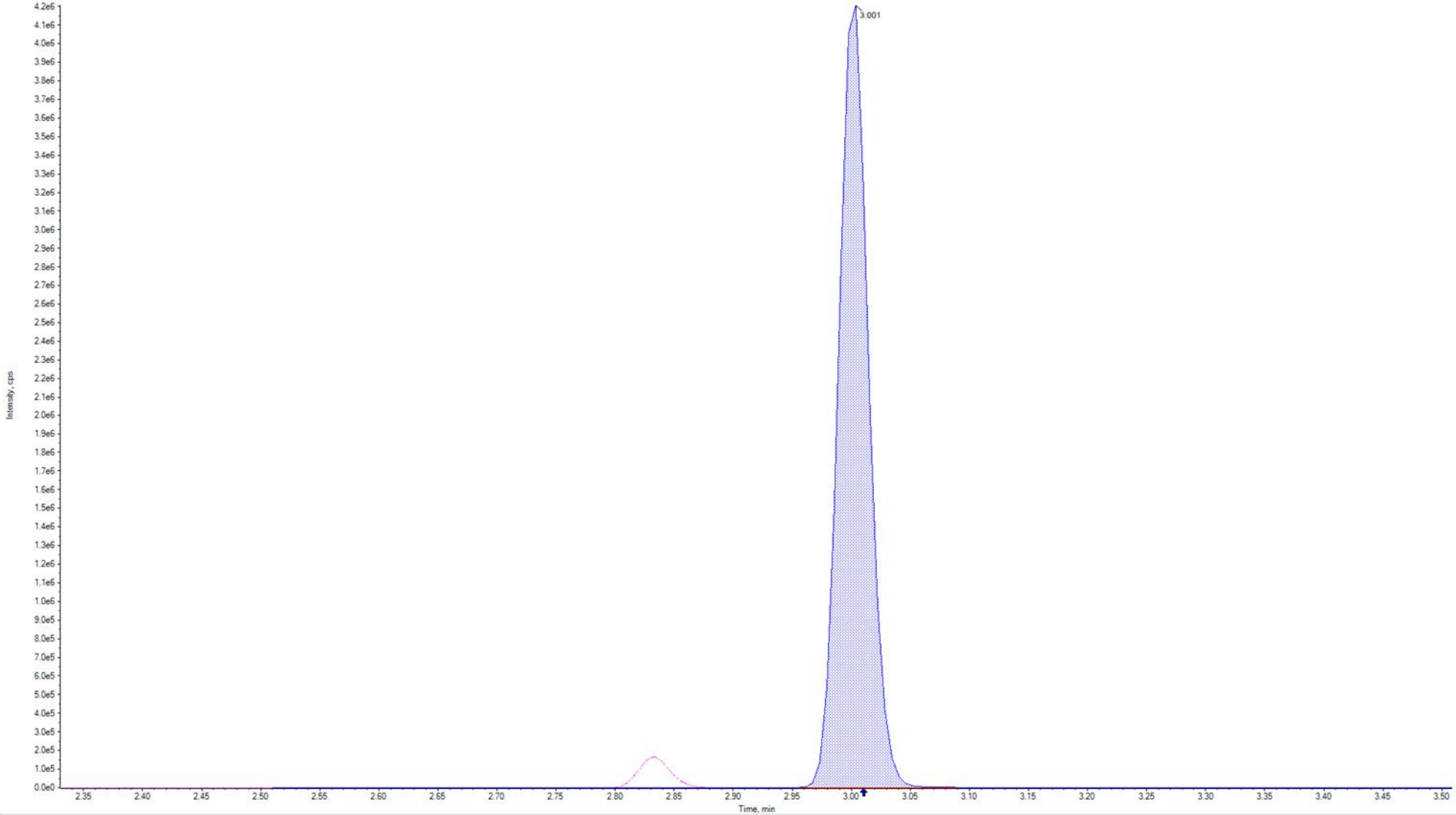
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

ADONA
Sample: WG2011094-11,1633FMED S/N:10829.9 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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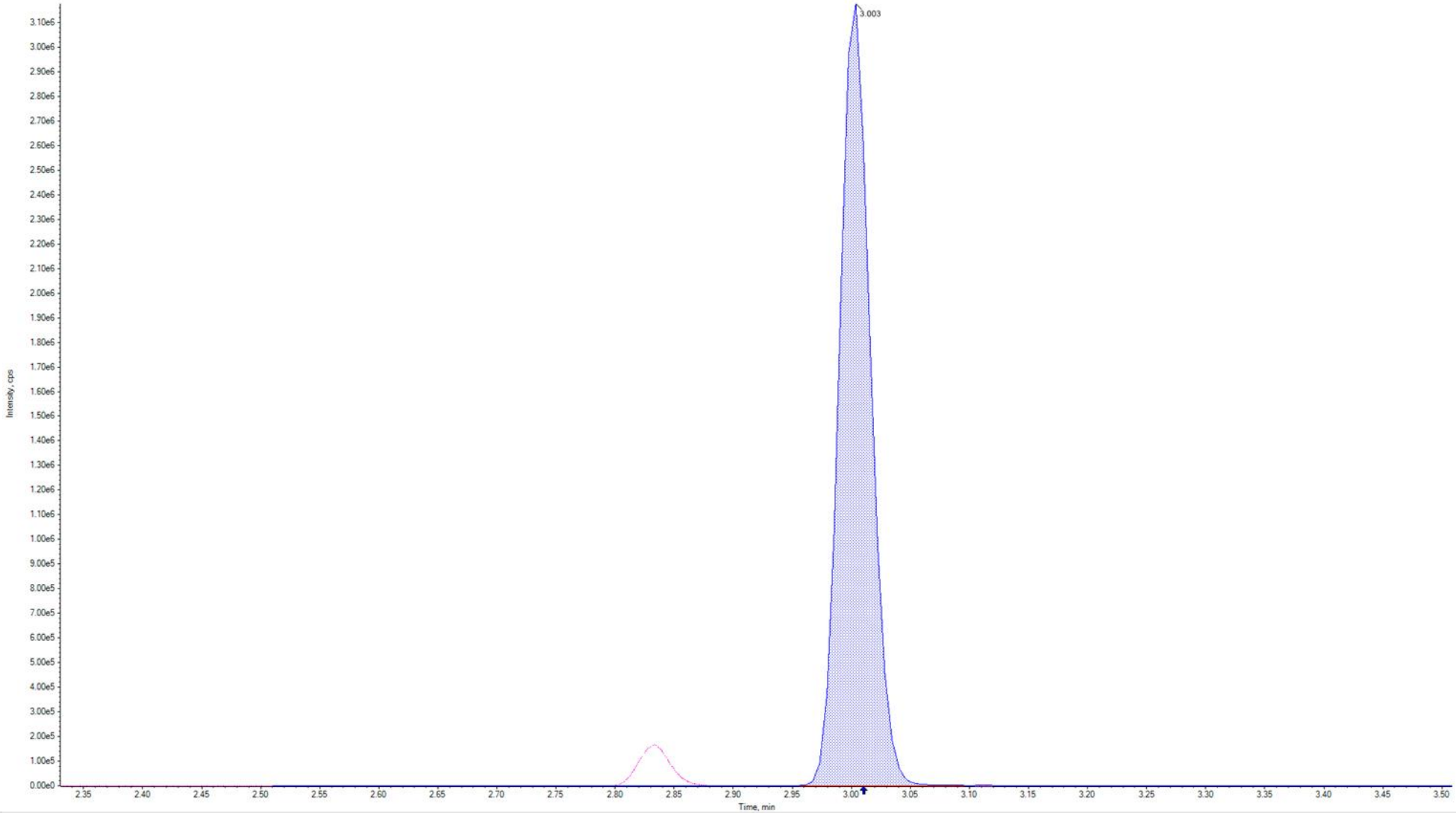
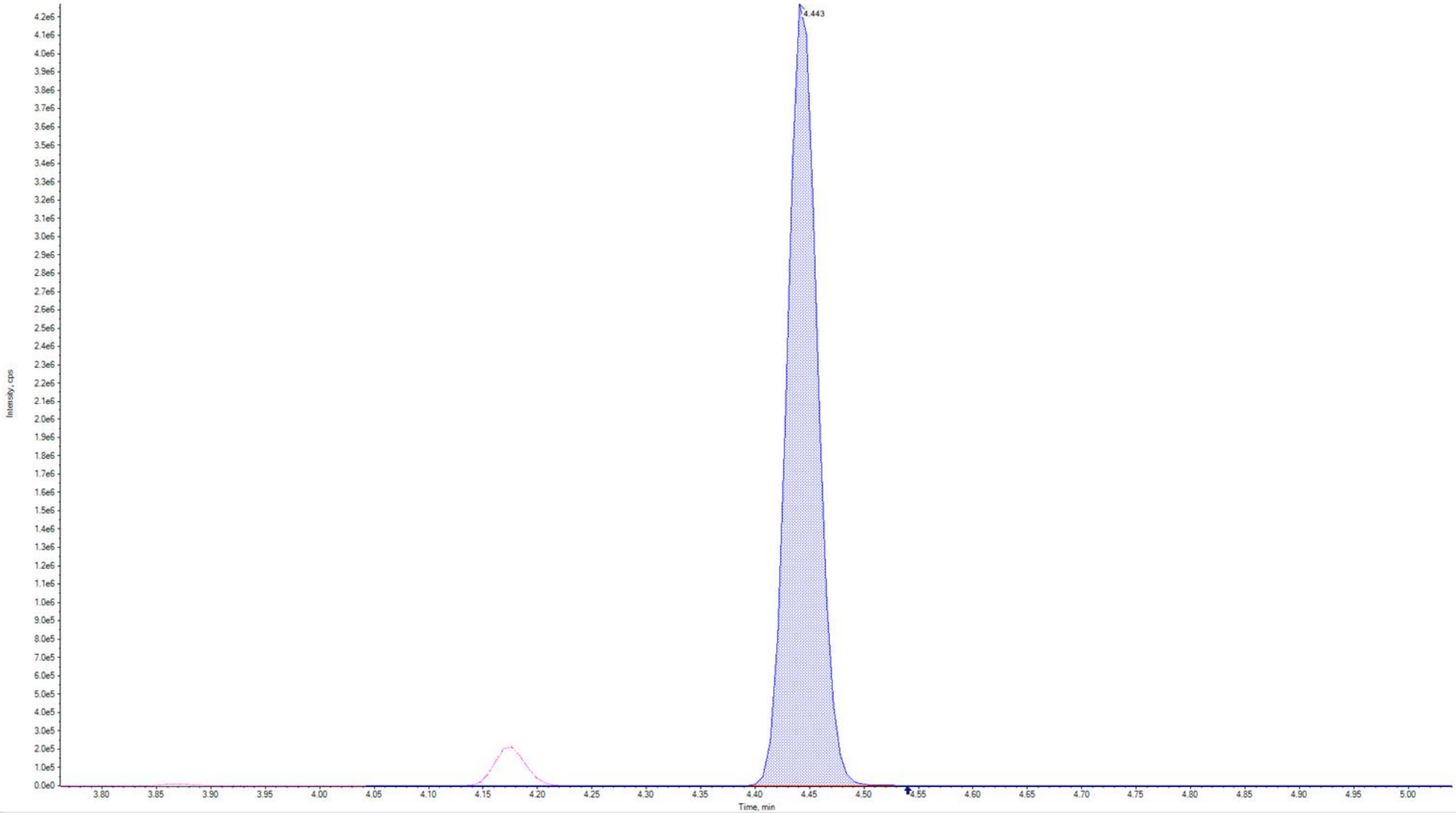
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

ADONA_2
Sample: WG2011094-11,1633FMED S/N:6095.7 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

9Cl-PF3ONS
Sample: WG2011094-11,1633FMED S/N:10916.8 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
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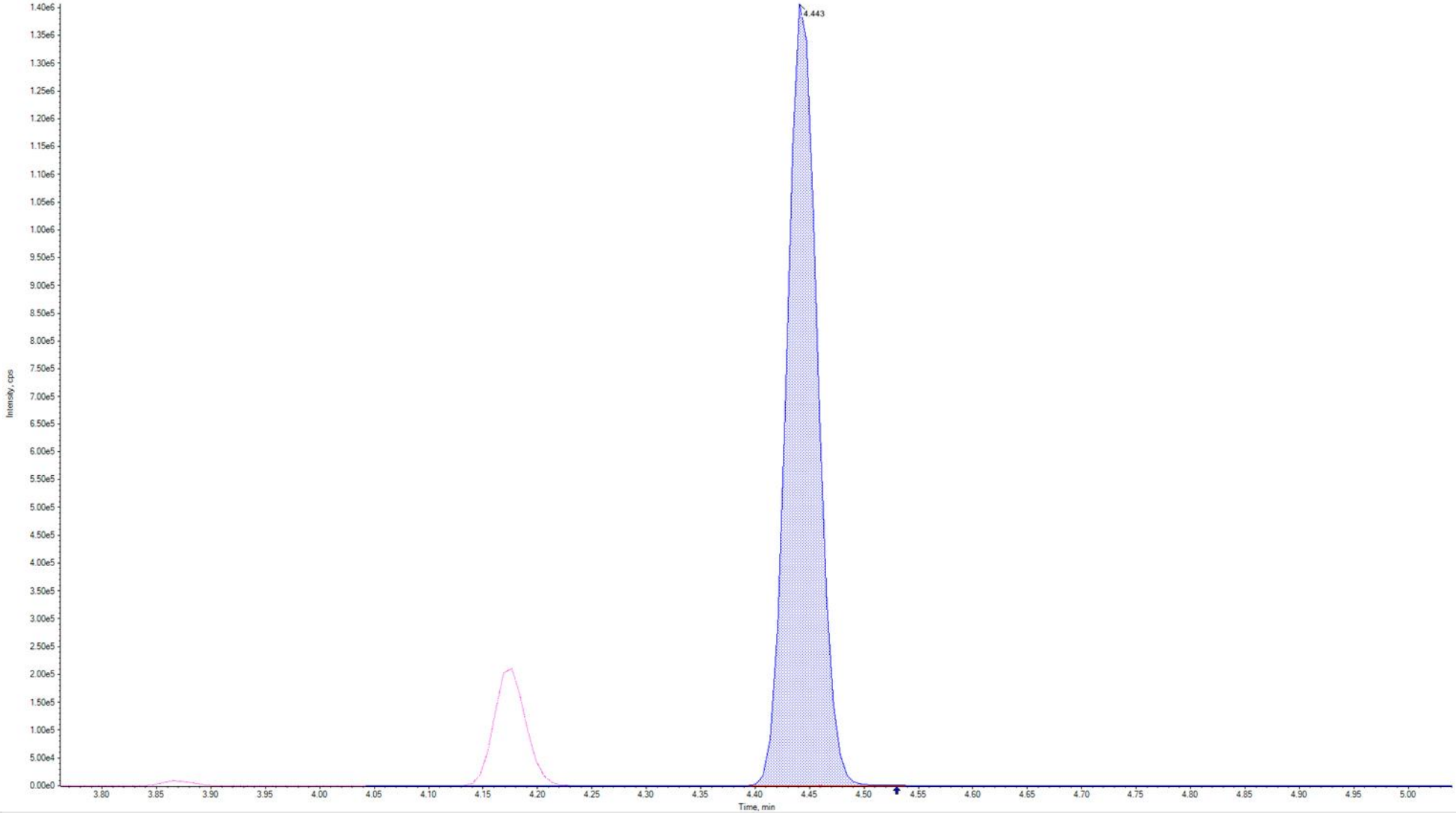
9Cl-PF3ONS_2
Sample: WG2011094-11,1633FMED S/N:31730.0 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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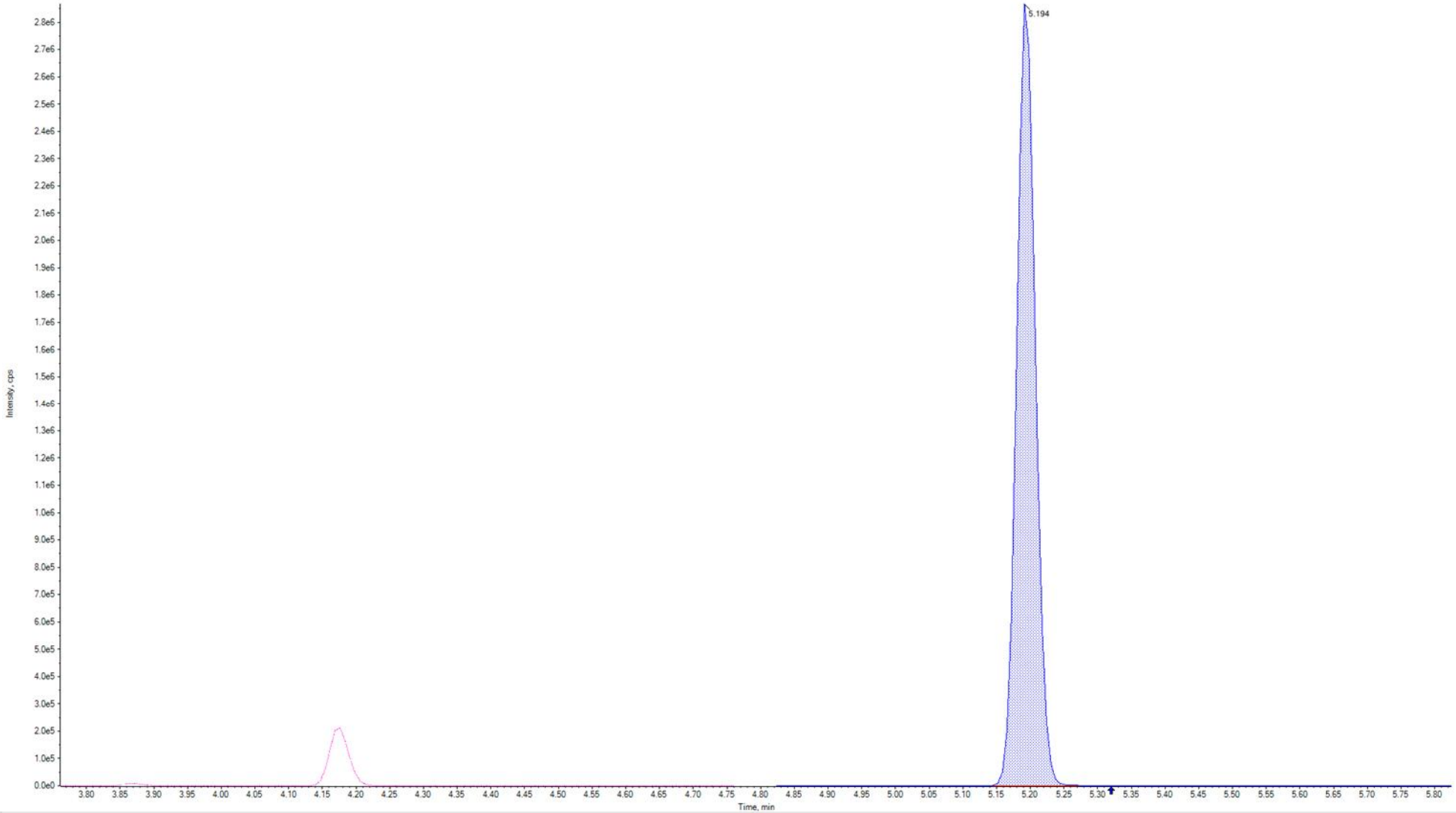
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

11Cl-PF3OUdS
Sample: WG2011094-11,1633FMED S/N:8557.7 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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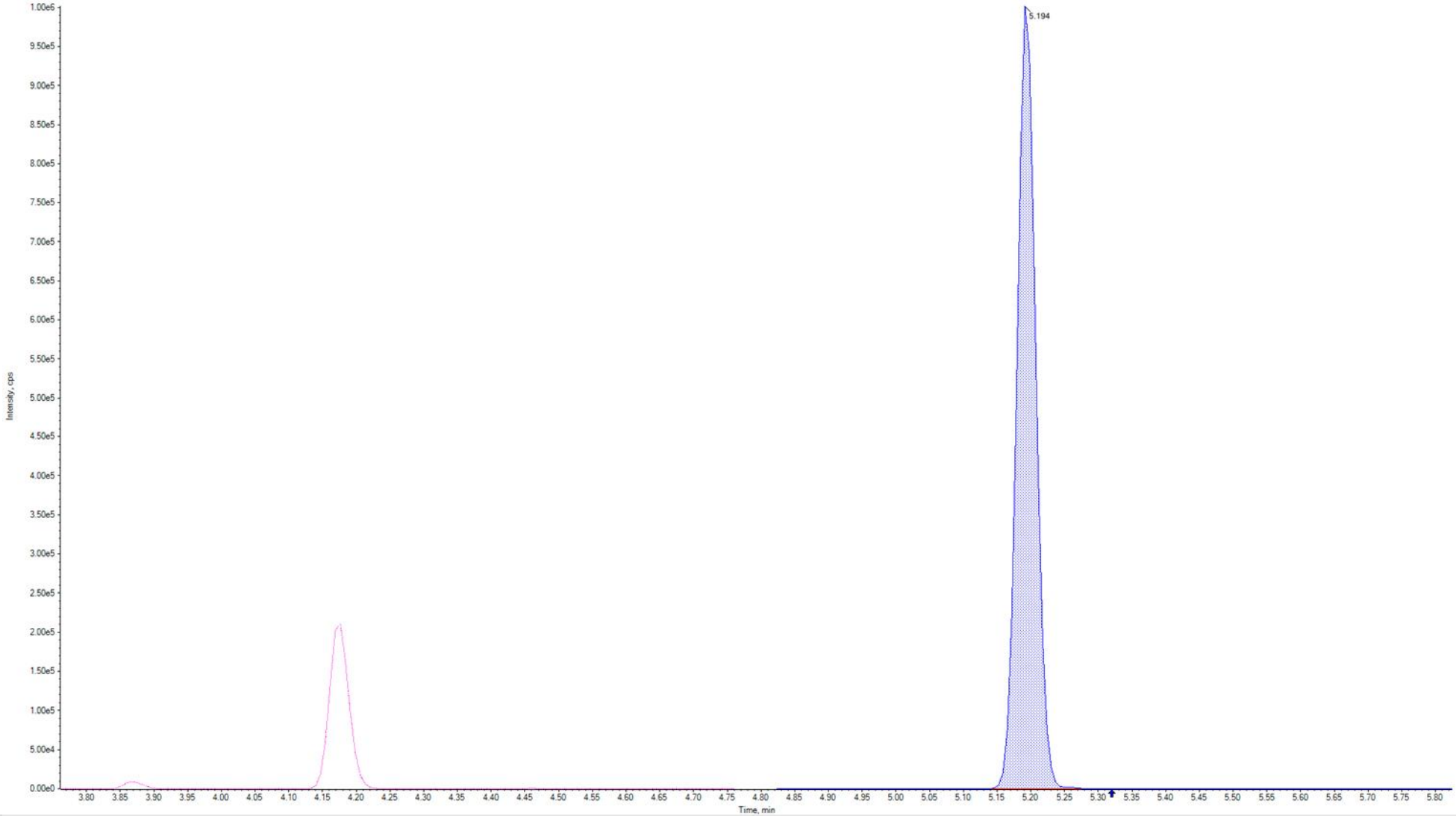
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

11Cl-PF3OUdS_2
Sample: WG2011094-11,1633FMED S/N:11242.4 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/19/2024 3:55:43 PM
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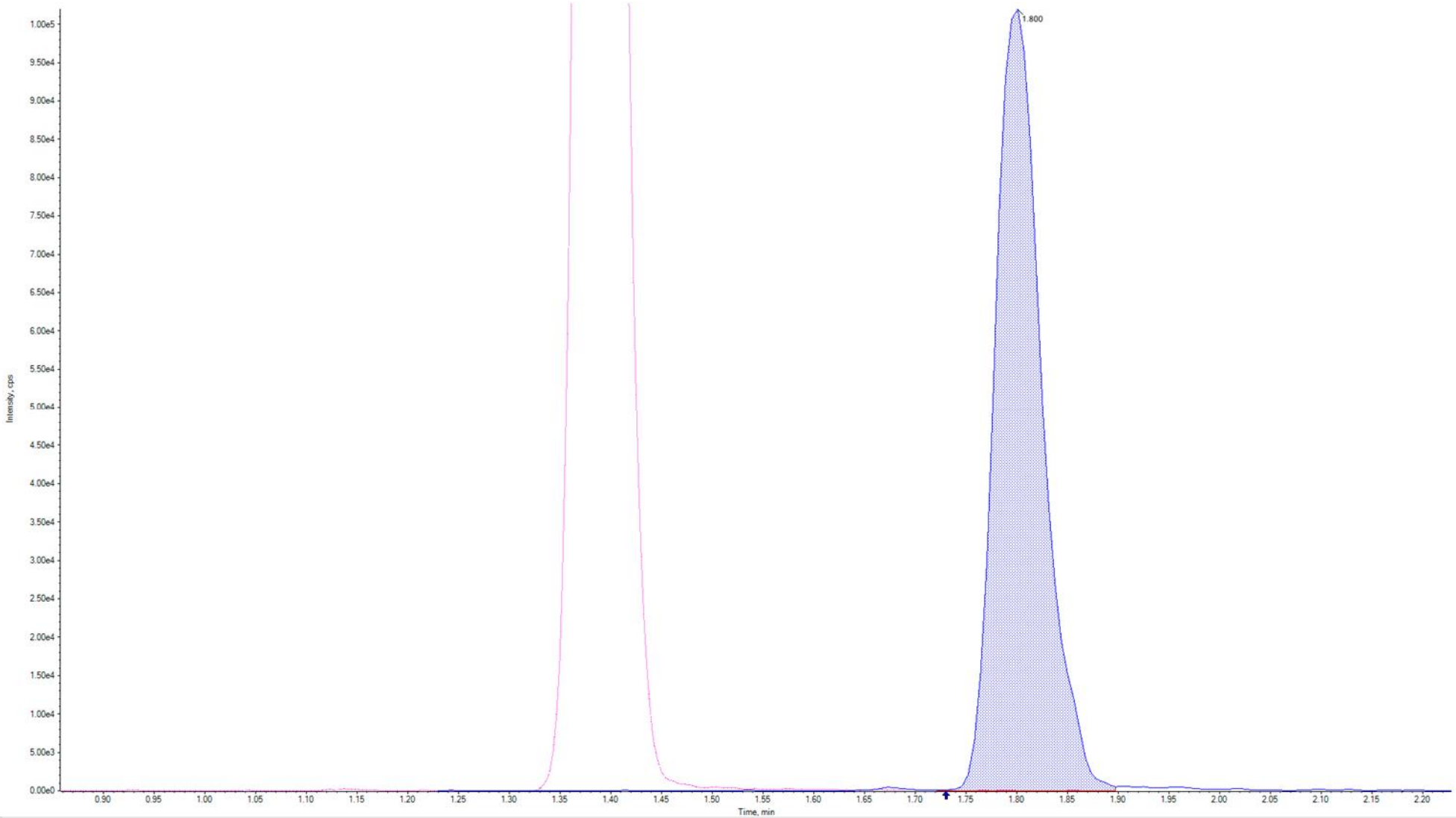
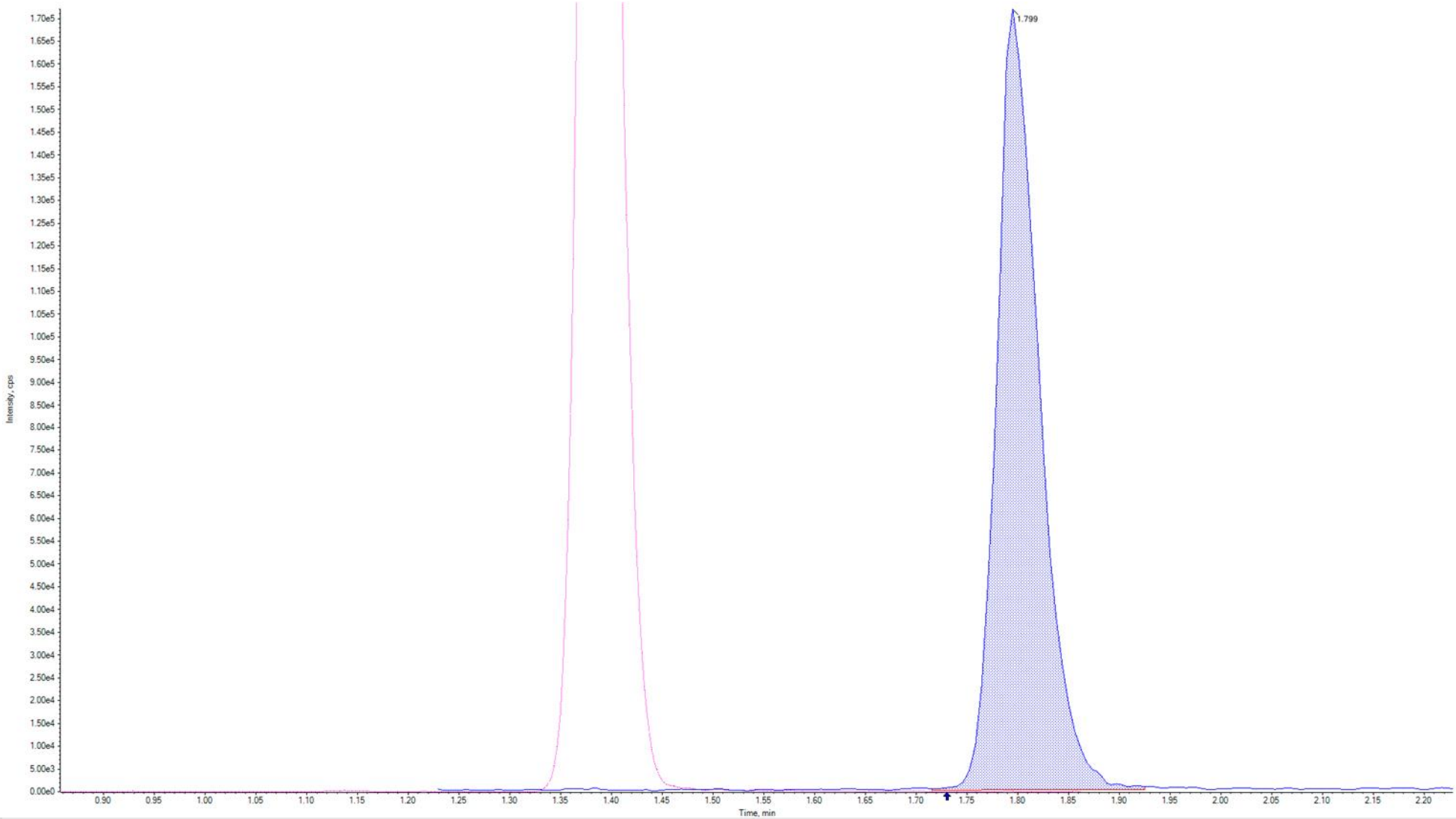
3:3FTCA
Sample: WG2011094-11,1633FMED S/N:2555.8 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

3:3FTCA_2
Sample: WG2011094-11,1633FMED S/N:1800.4 Points Across peak:38

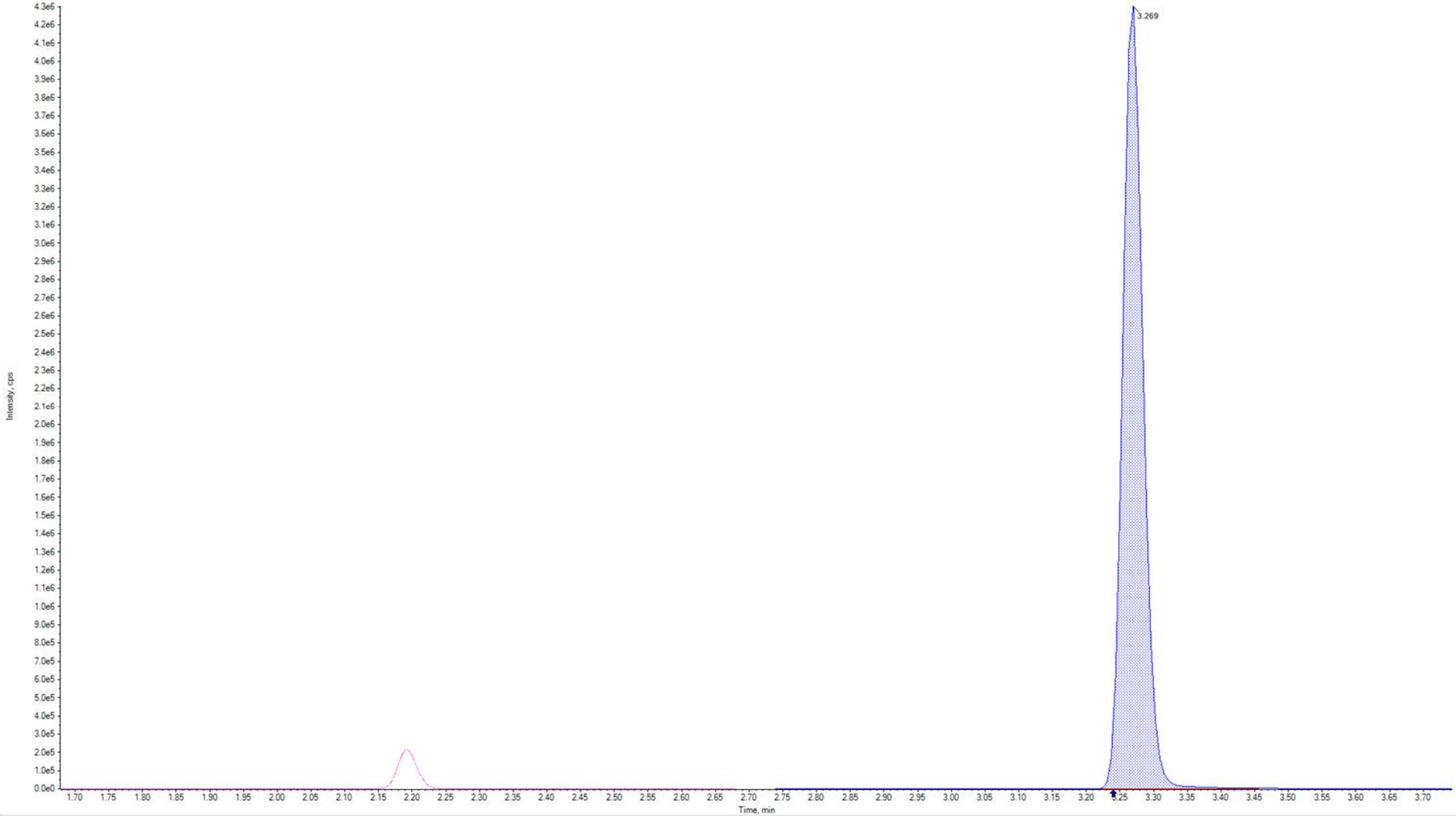


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

5:3FTCA
Sample: WG2011094-11,1633FMED S/N:8027.8 Points Across peak:31

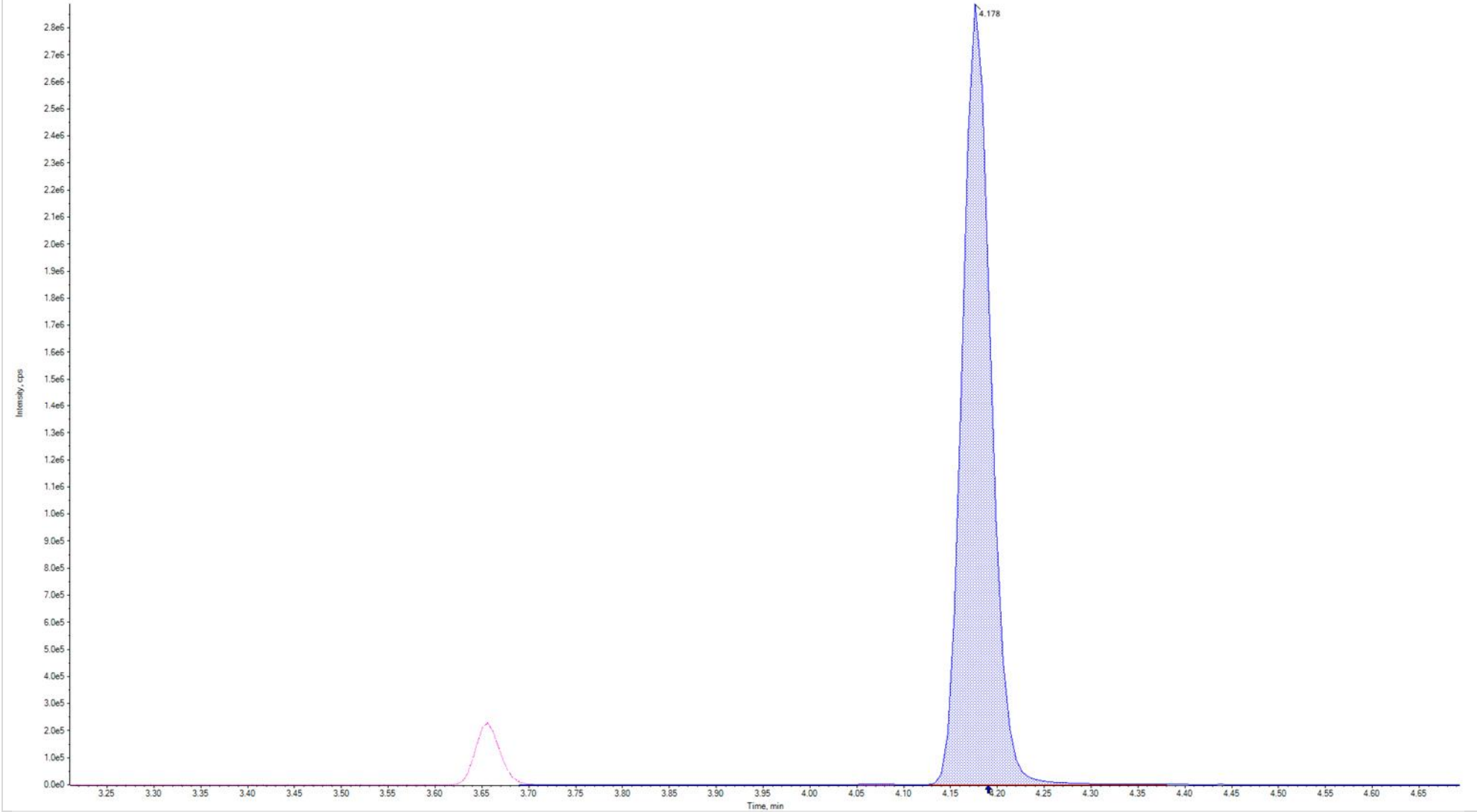
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

5:3FTCA_2
Sample: WG2011094-11,1633FMED S/N:97067.6 Points Across peak:40



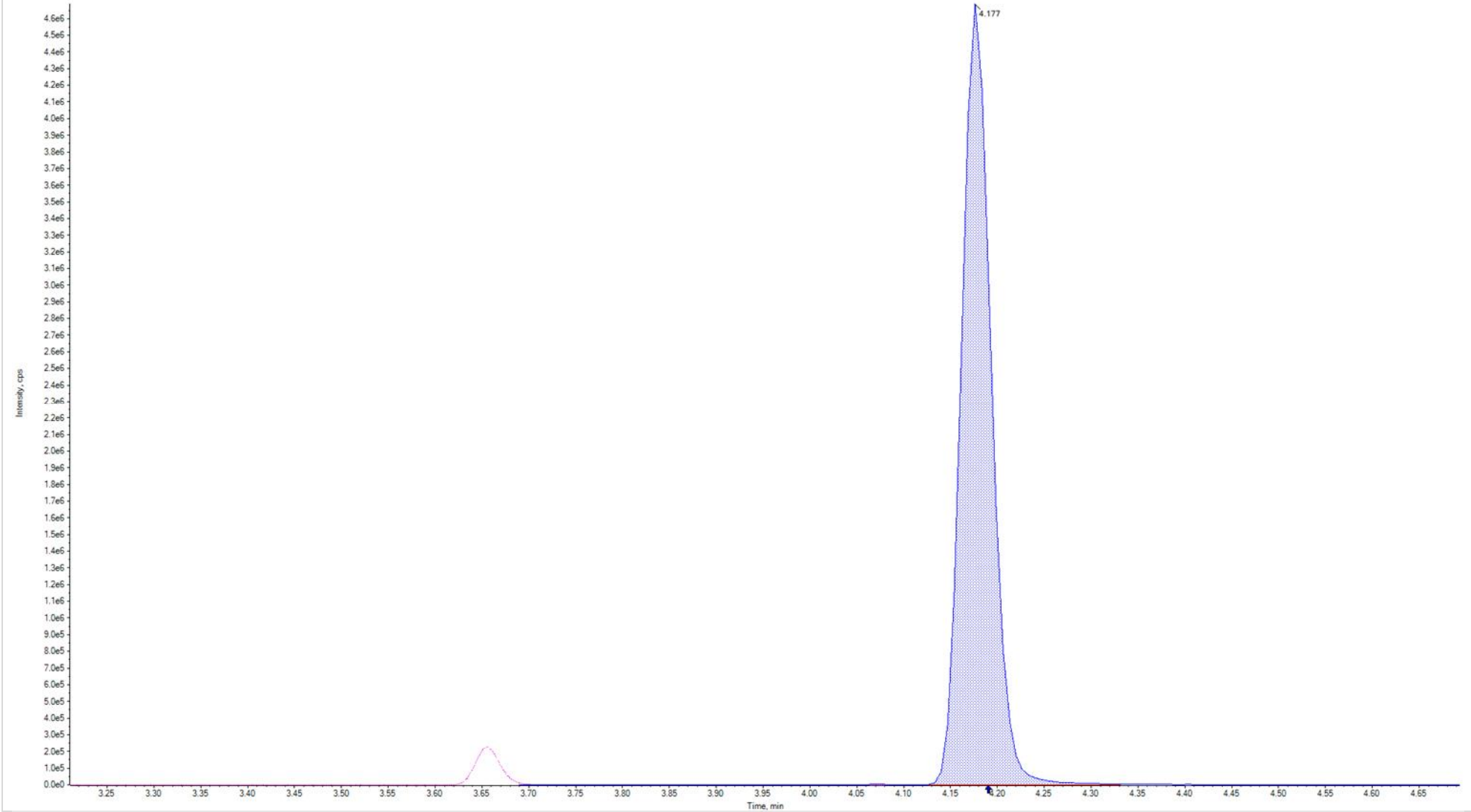
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

7:3FTCA
Sample: WG2011094-11,1633FMED S/N:3689.5 Points Across peak:41



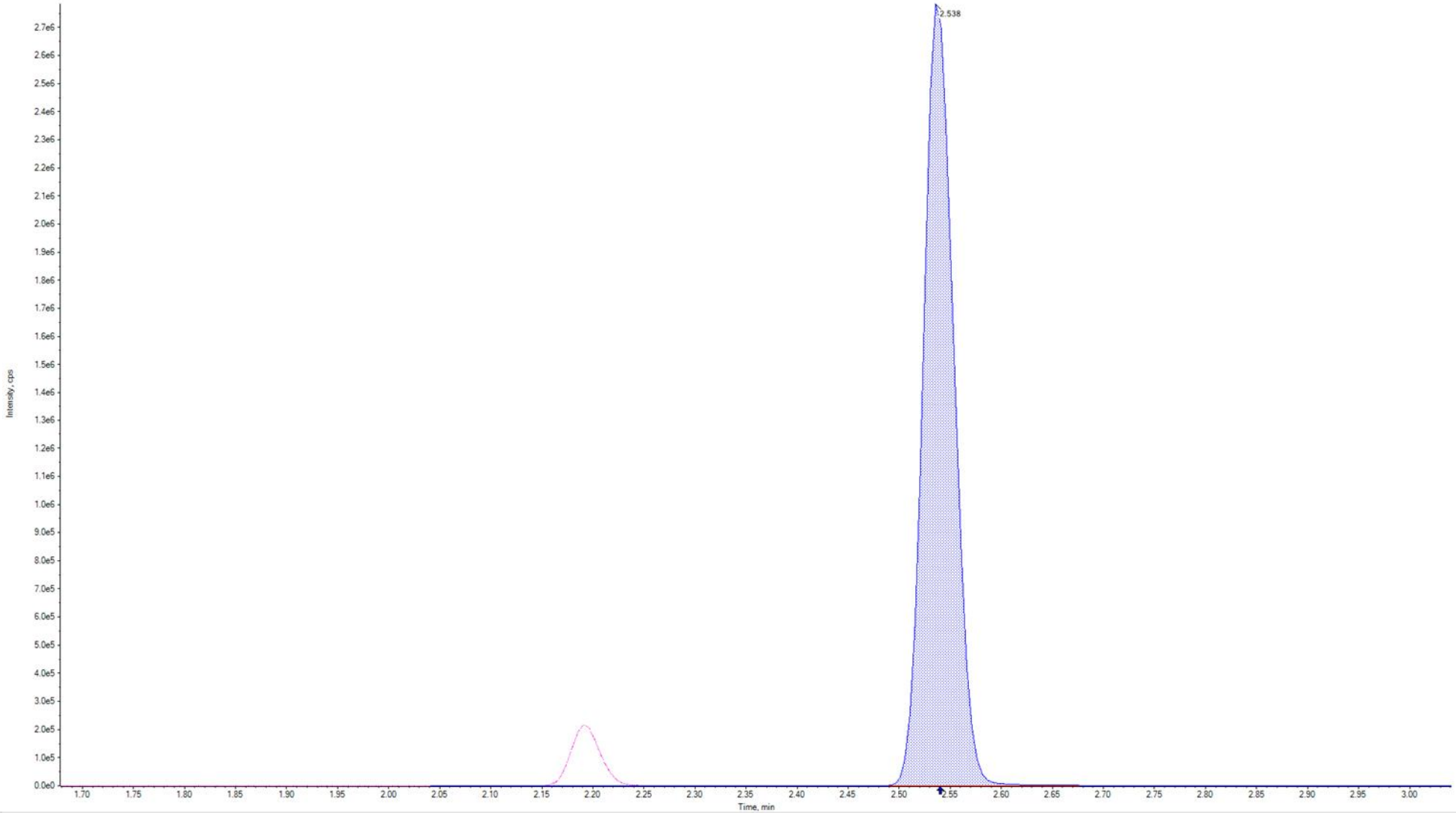
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

7:3FTCA_2
Sample: WG2011094-11,1633FMED S/N:129262.3 Points Across peak:33



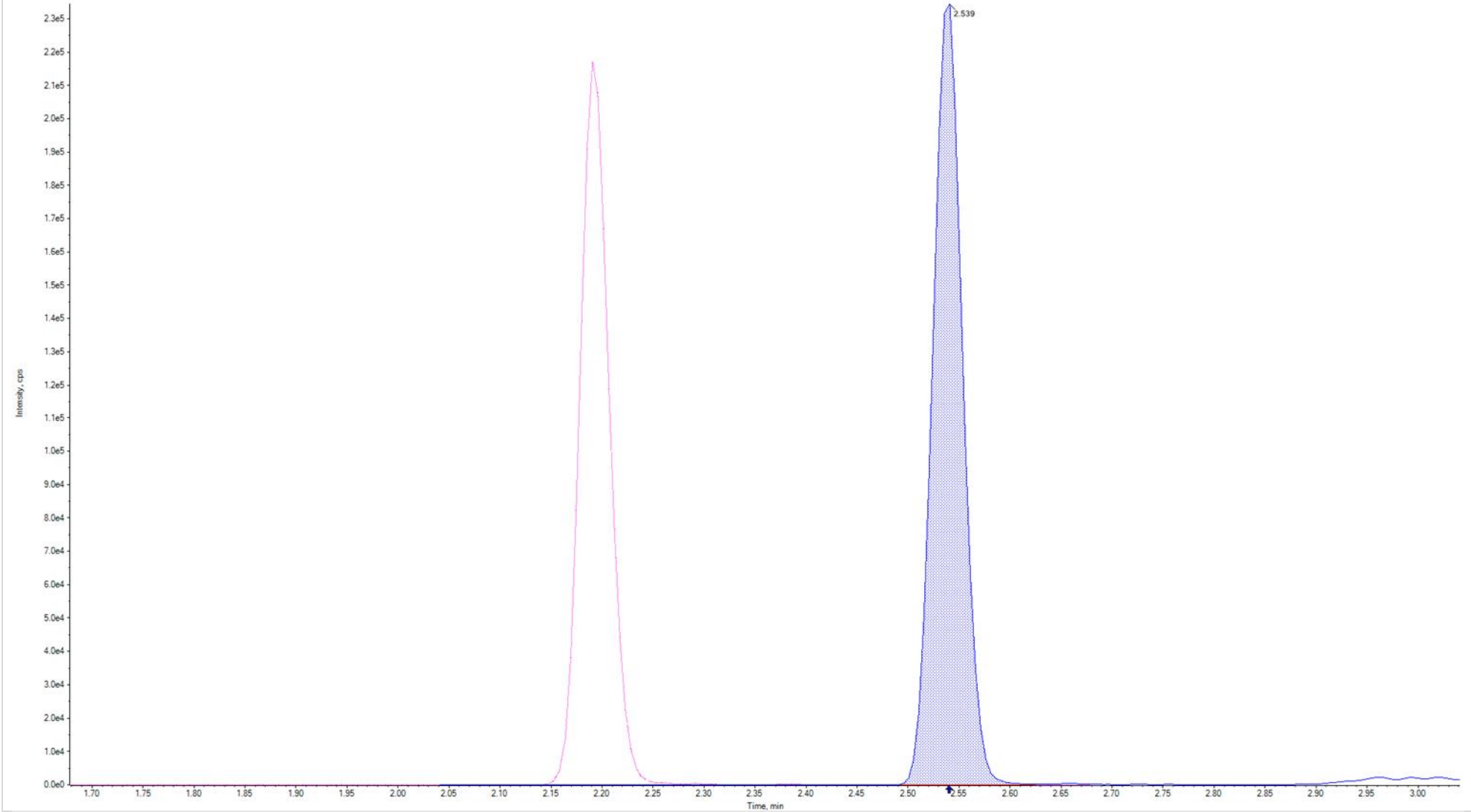
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

PFEESA
Sample: WG2011094-11,1633FMED S/N:62797.7 Points Across peak:48



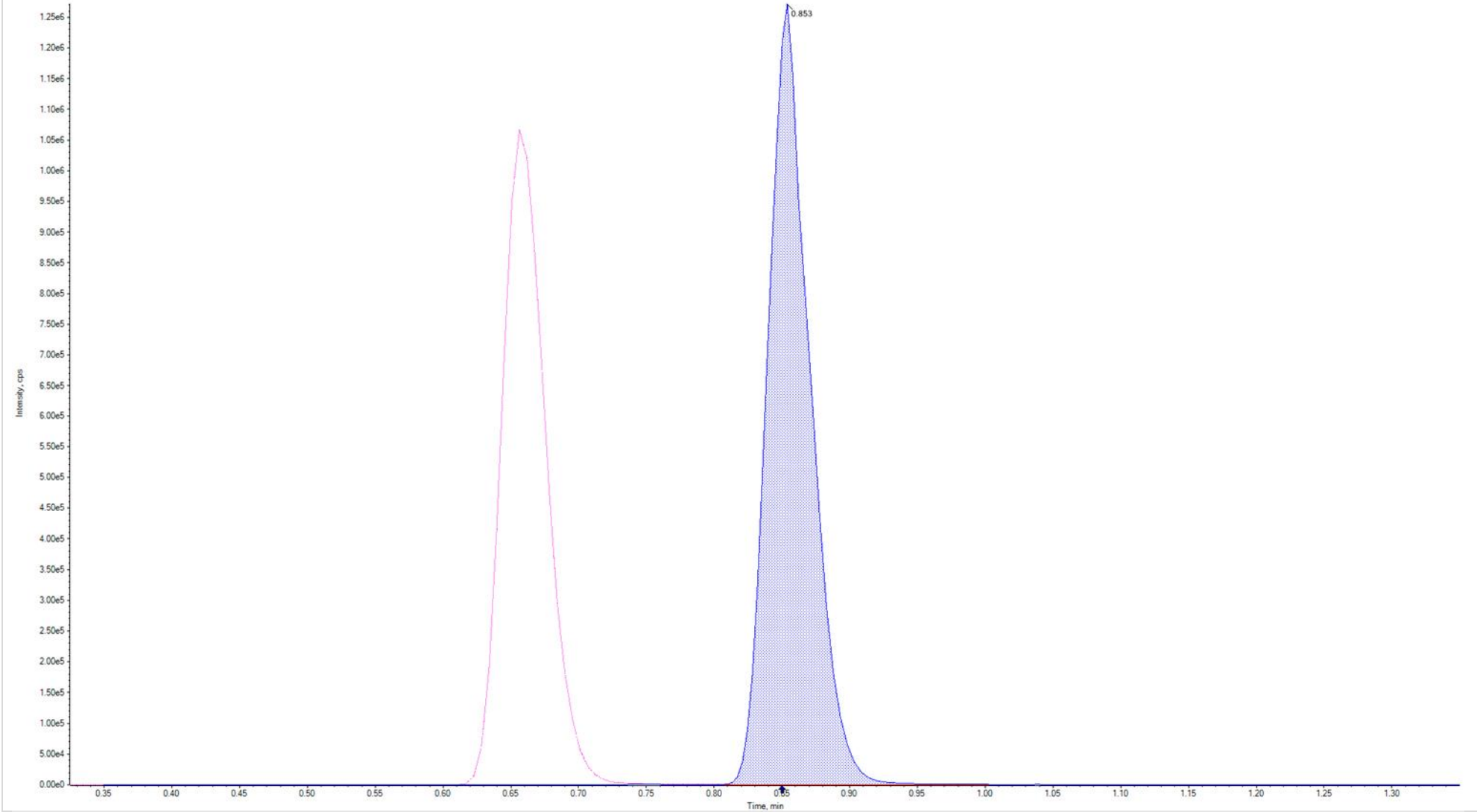
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

PFEESA_2
Sample: WG2011094-11,1633FMED S/N:3770.5 Points Across peak:29



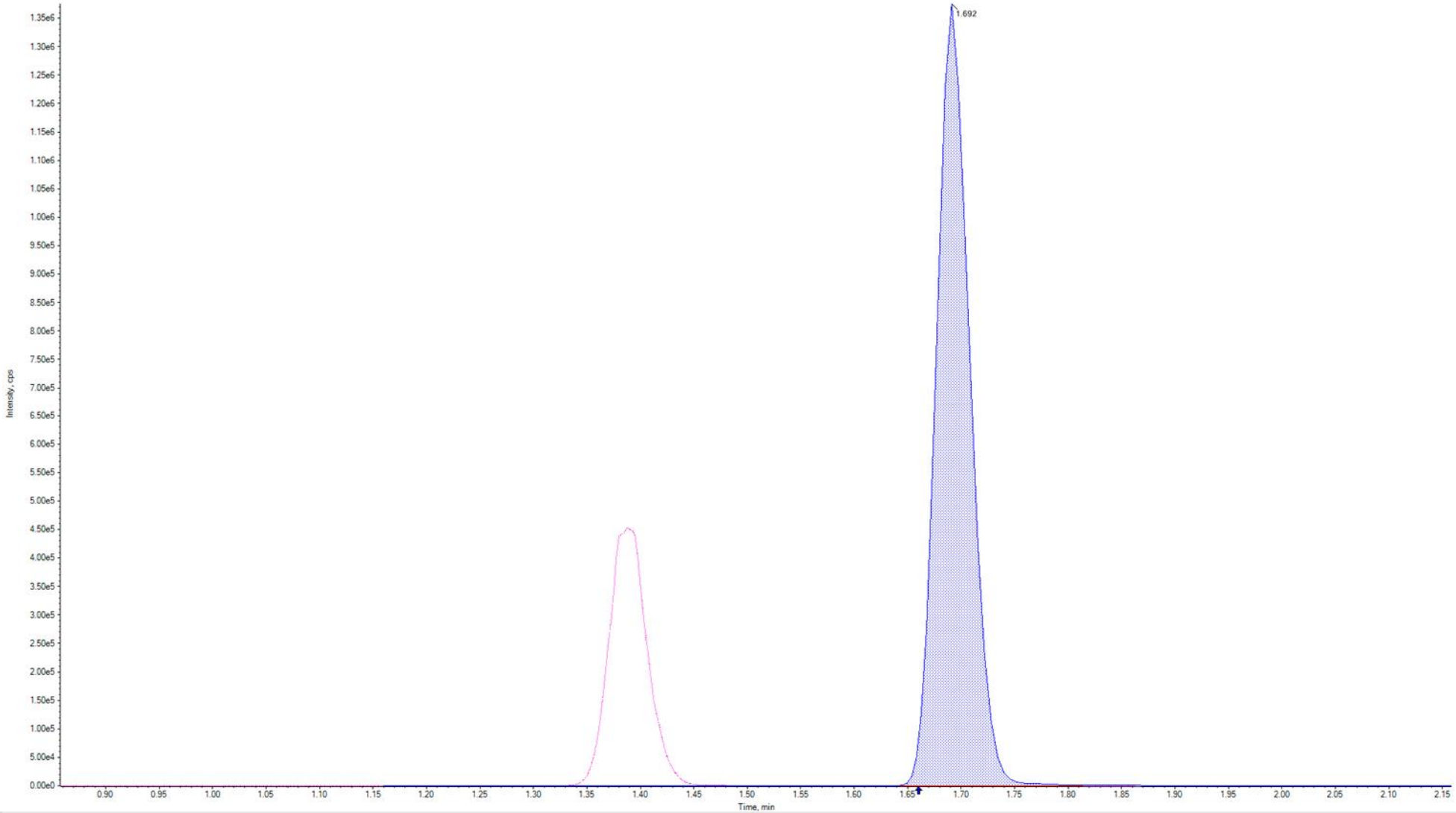
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

PFMPA
Sample: WG2011094-11,1633FMED S/N:36464.6 Points Across peak:52



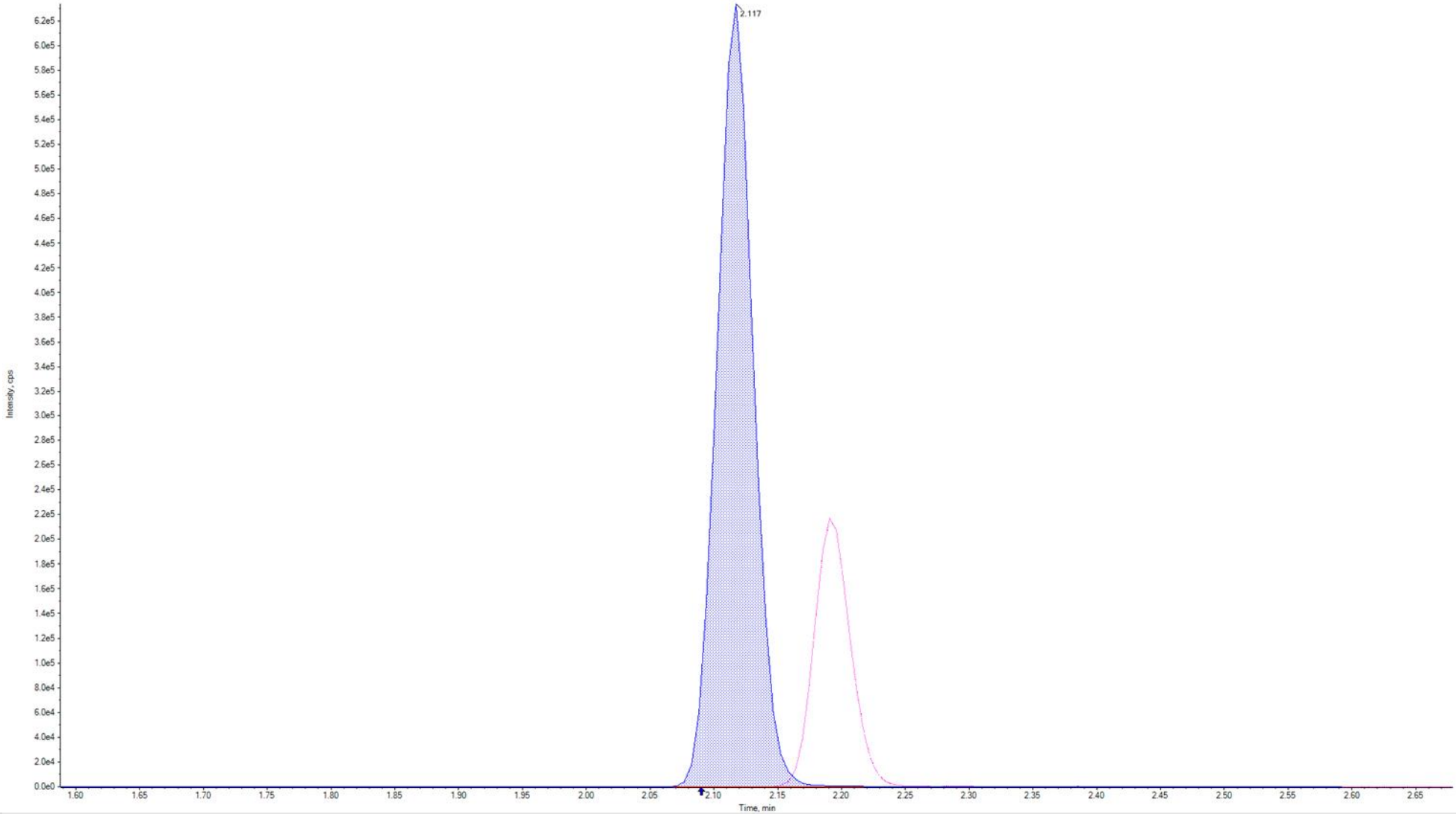
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

PFMBA
Sample: WG2011094-11,1633FMED S/N:79280.8 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

NFDHA
Sample: WG2011094-11,1633FMED S/N:17470.6 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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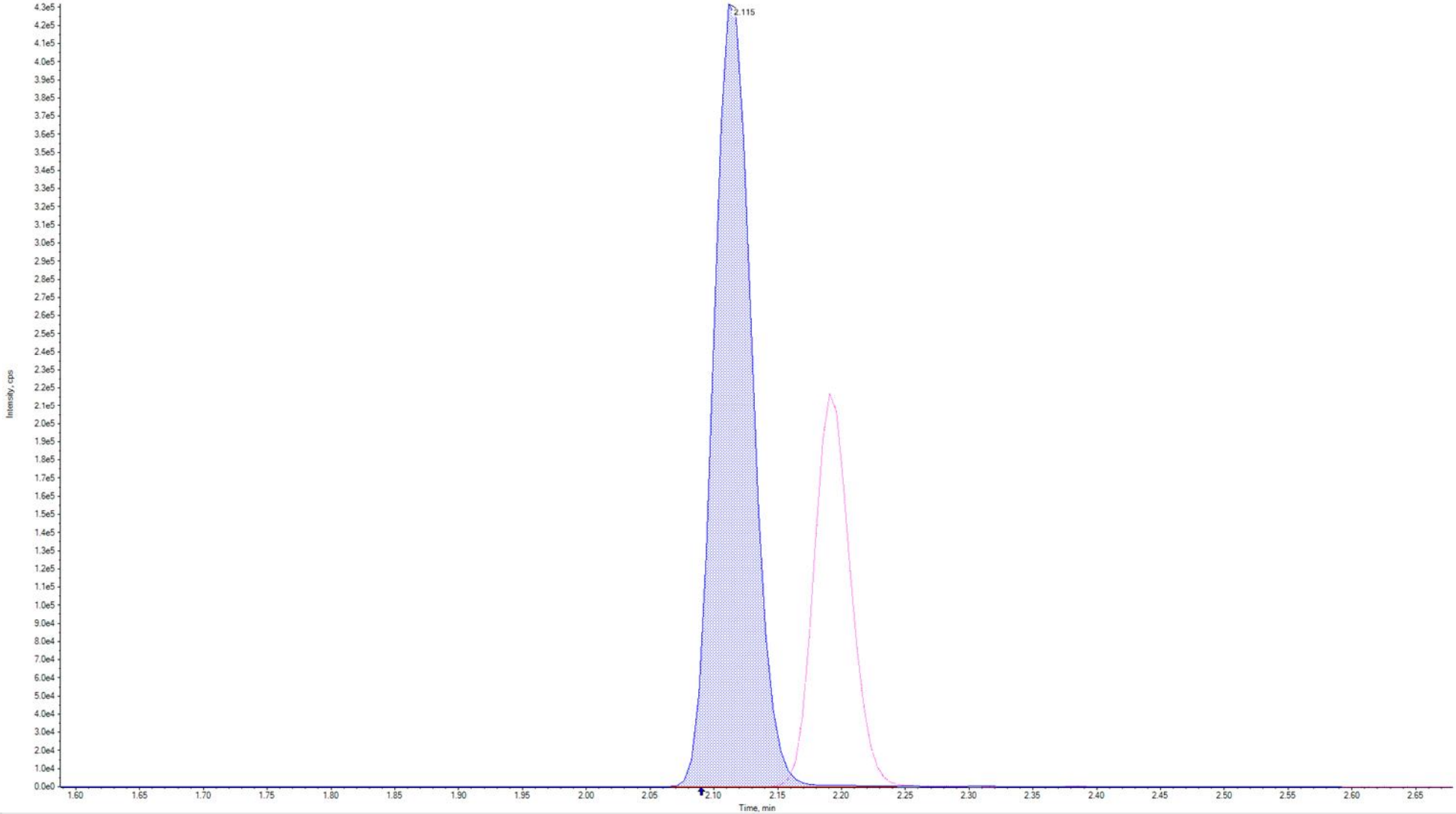
NFDHA_2
Sample: WG2011094-11,1633FMED S/N:11907.0 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/19/2024 3:55:43 PM
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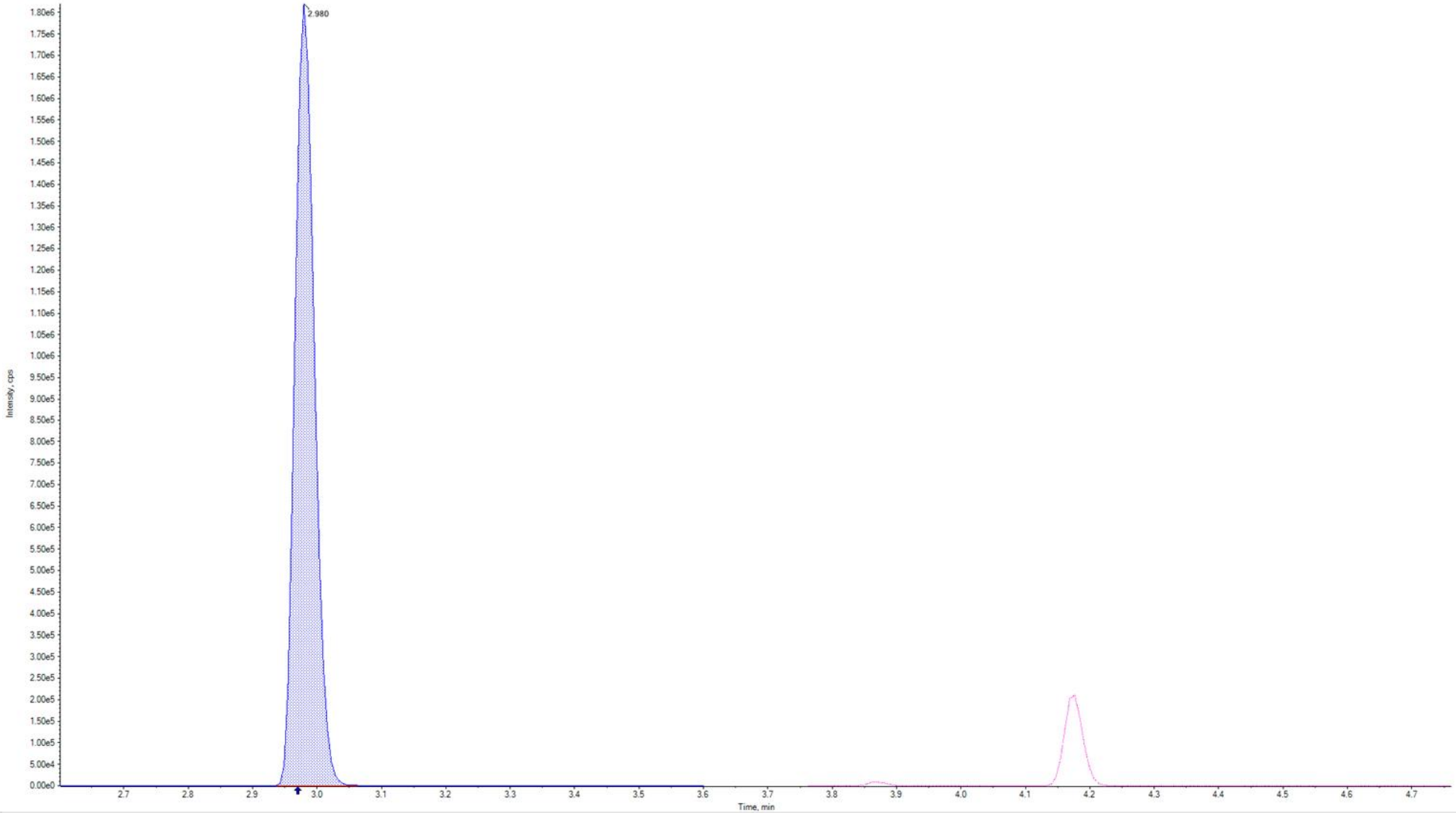
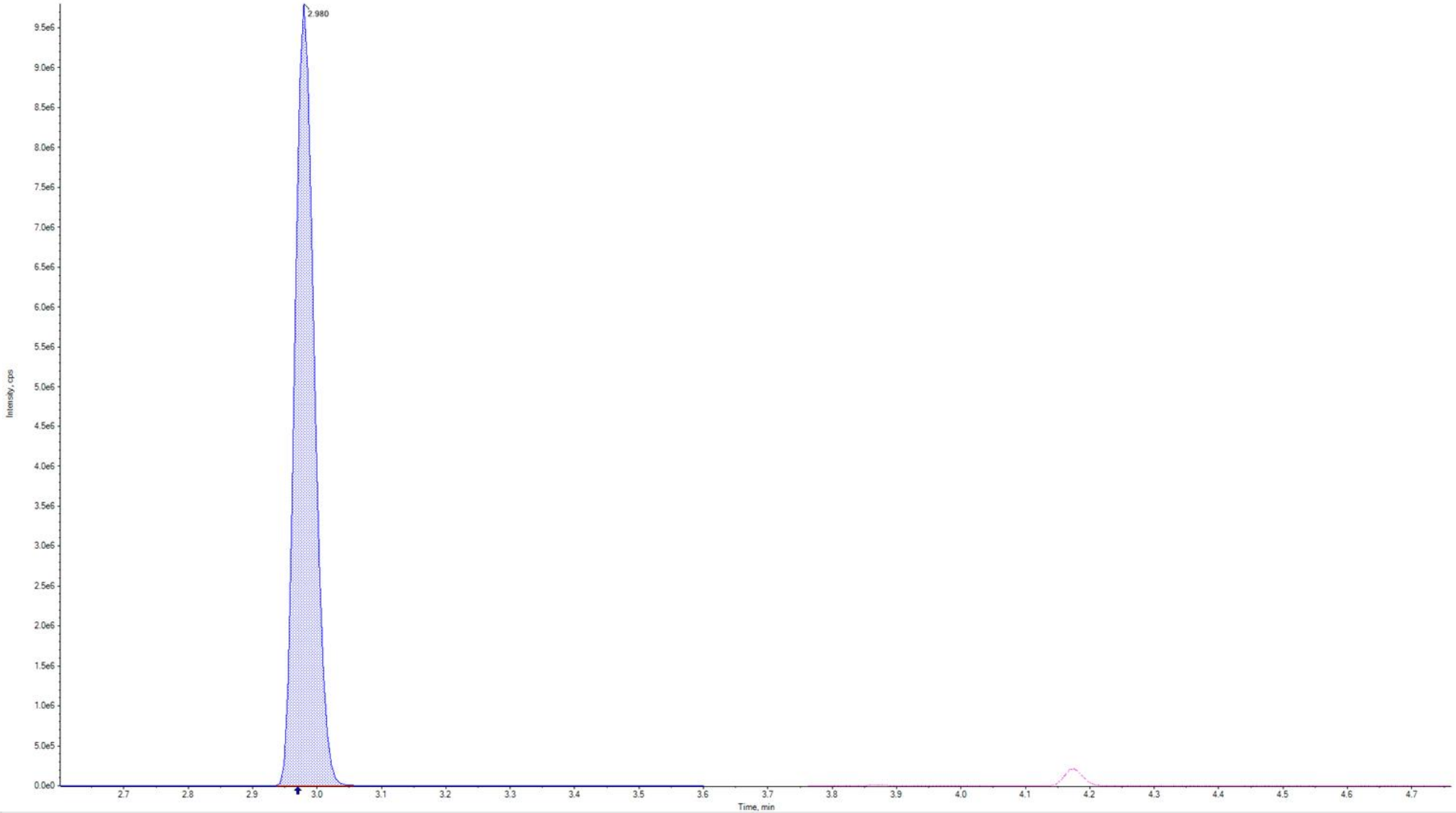
TDCA
Sample: WG2011094-11,1633FMED S/N:10932.7 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

TDCA_2
Sample: WG2011094-11,1633FMED S/N:189139.0 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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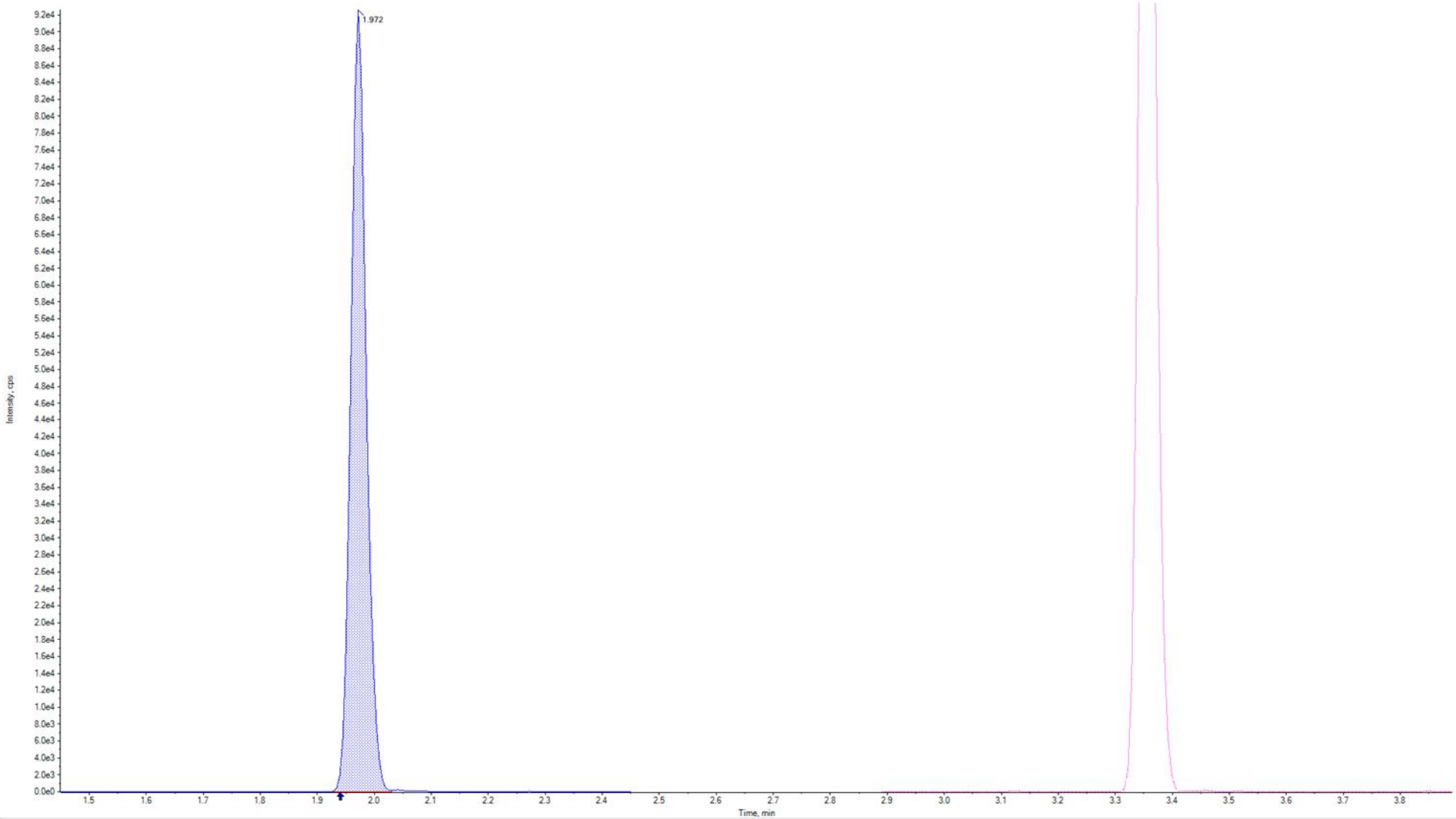
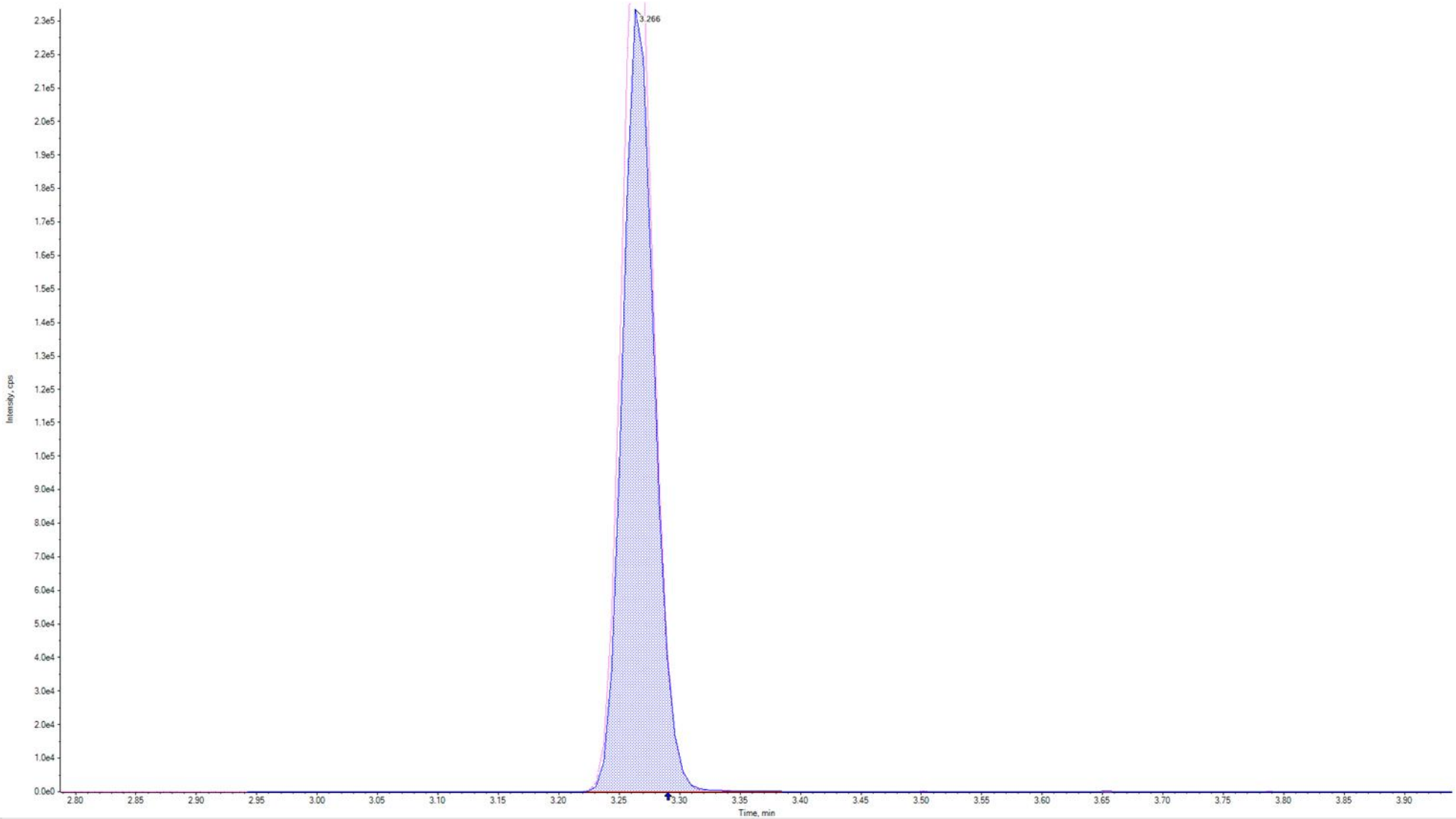
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

13C2D4-4:2FTS
Sample: WG2011094-11,1633FMED S/N:3481.2 Points Across peak:27

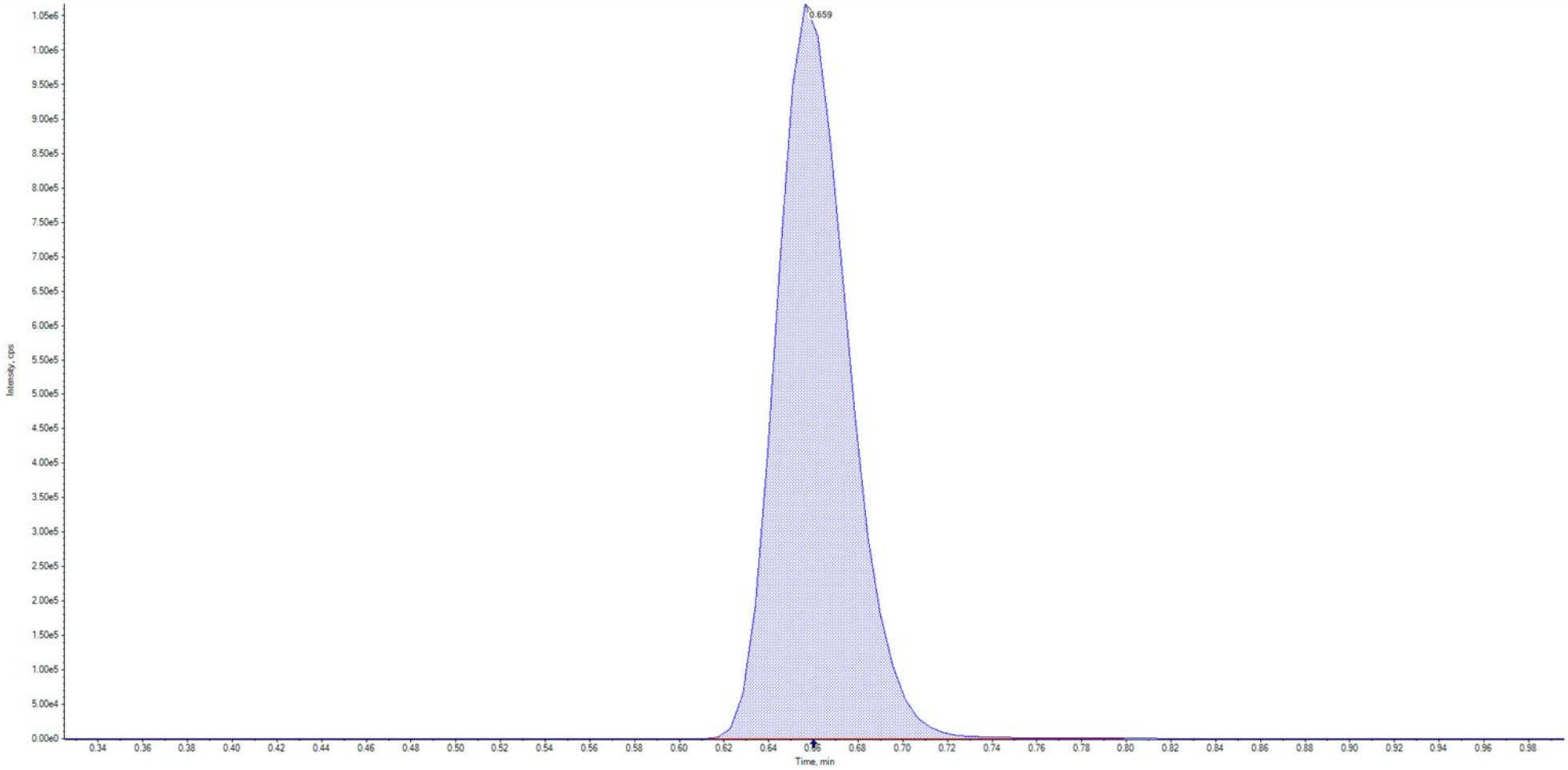


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

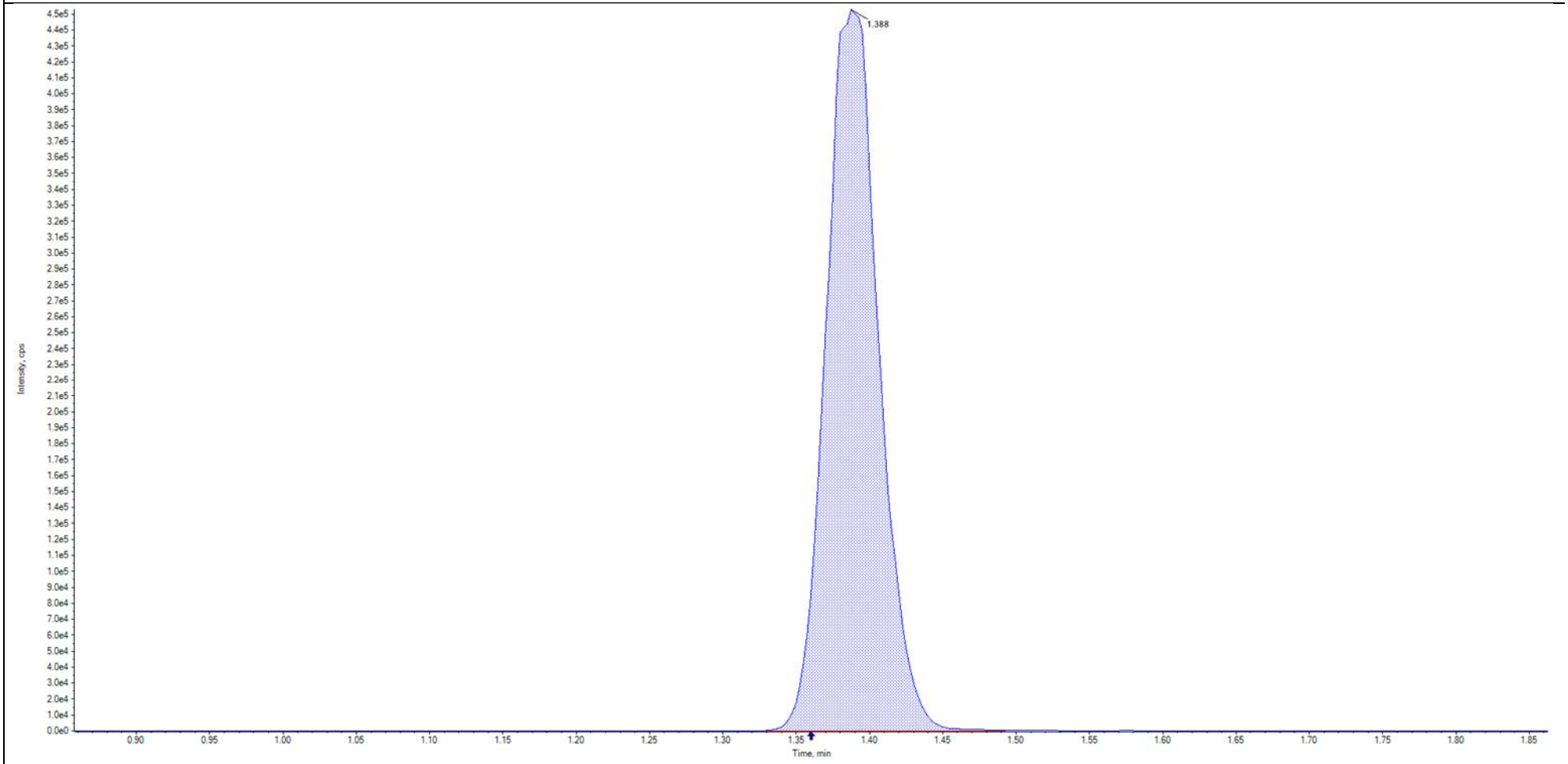
13C2-PFOA
Sample: WG2011094-11,1633FMED S/N:5268.2 Points Across peak:33



13C4-PFBA
Sample: WG2011094-11,1633FMED

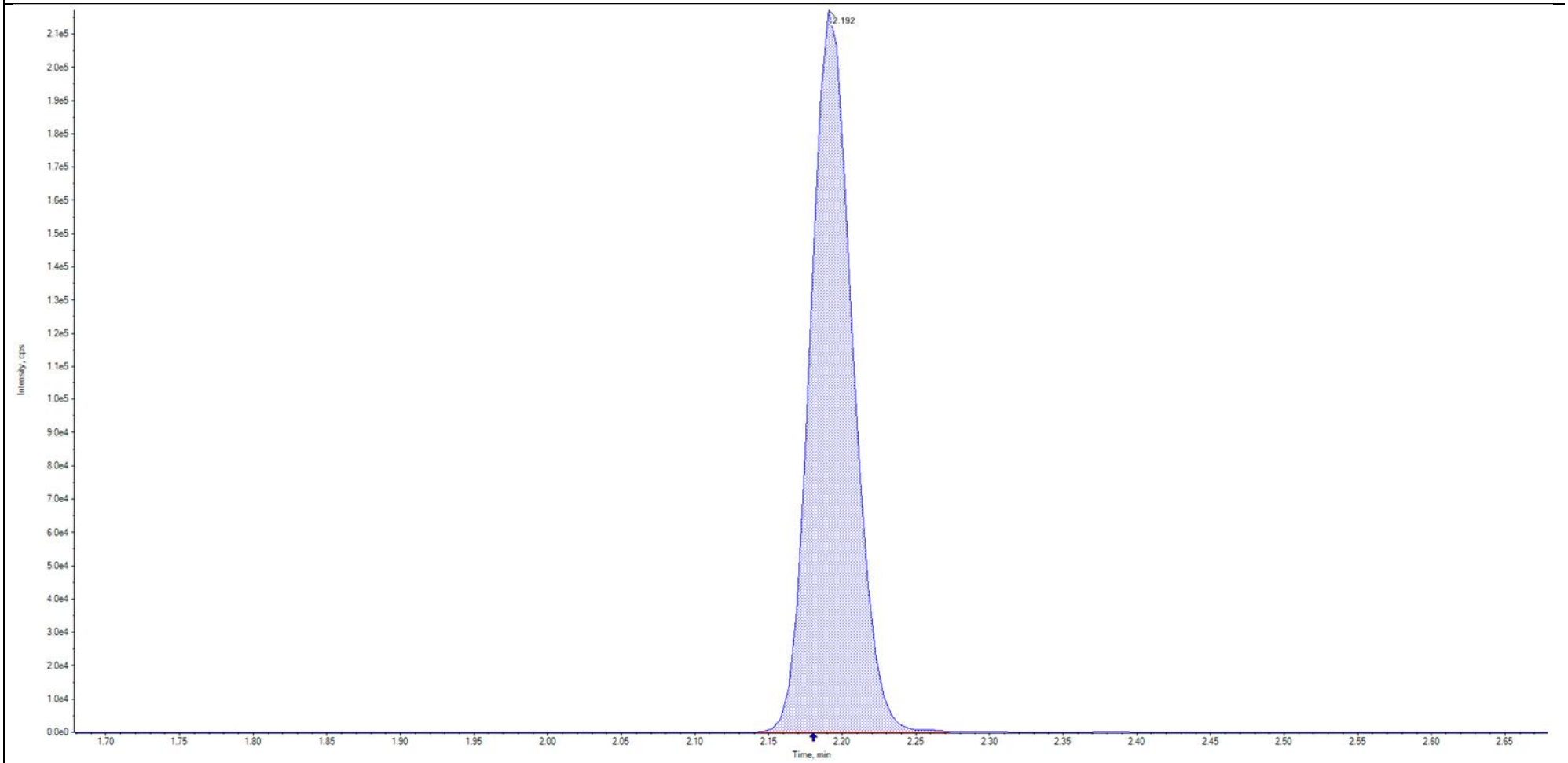


13C5-PFPeA
Sample: WG2011094-11,1633FMED

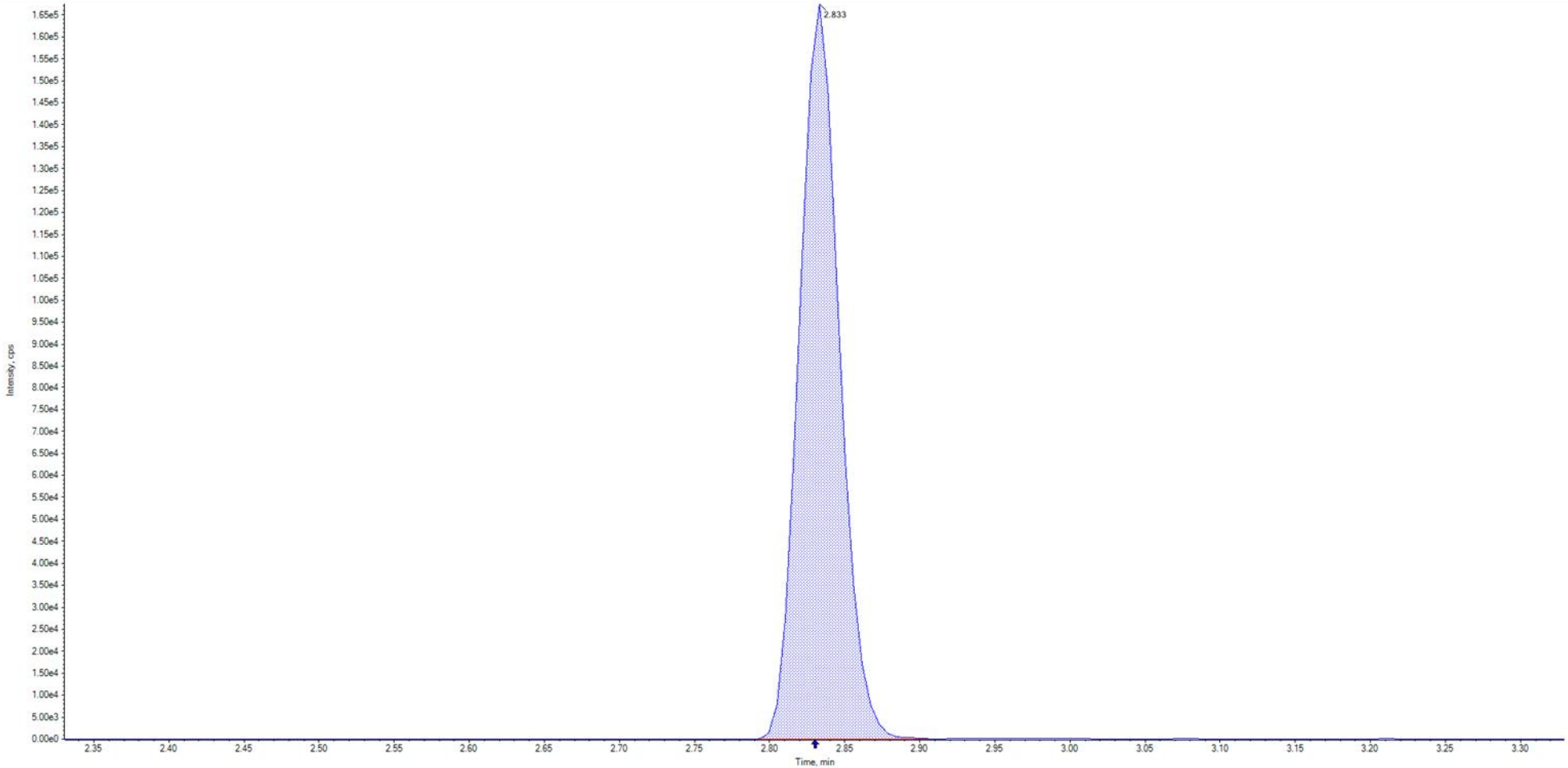


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

13C5-PFHxA
Sample: WG2011094-11,1633FMED

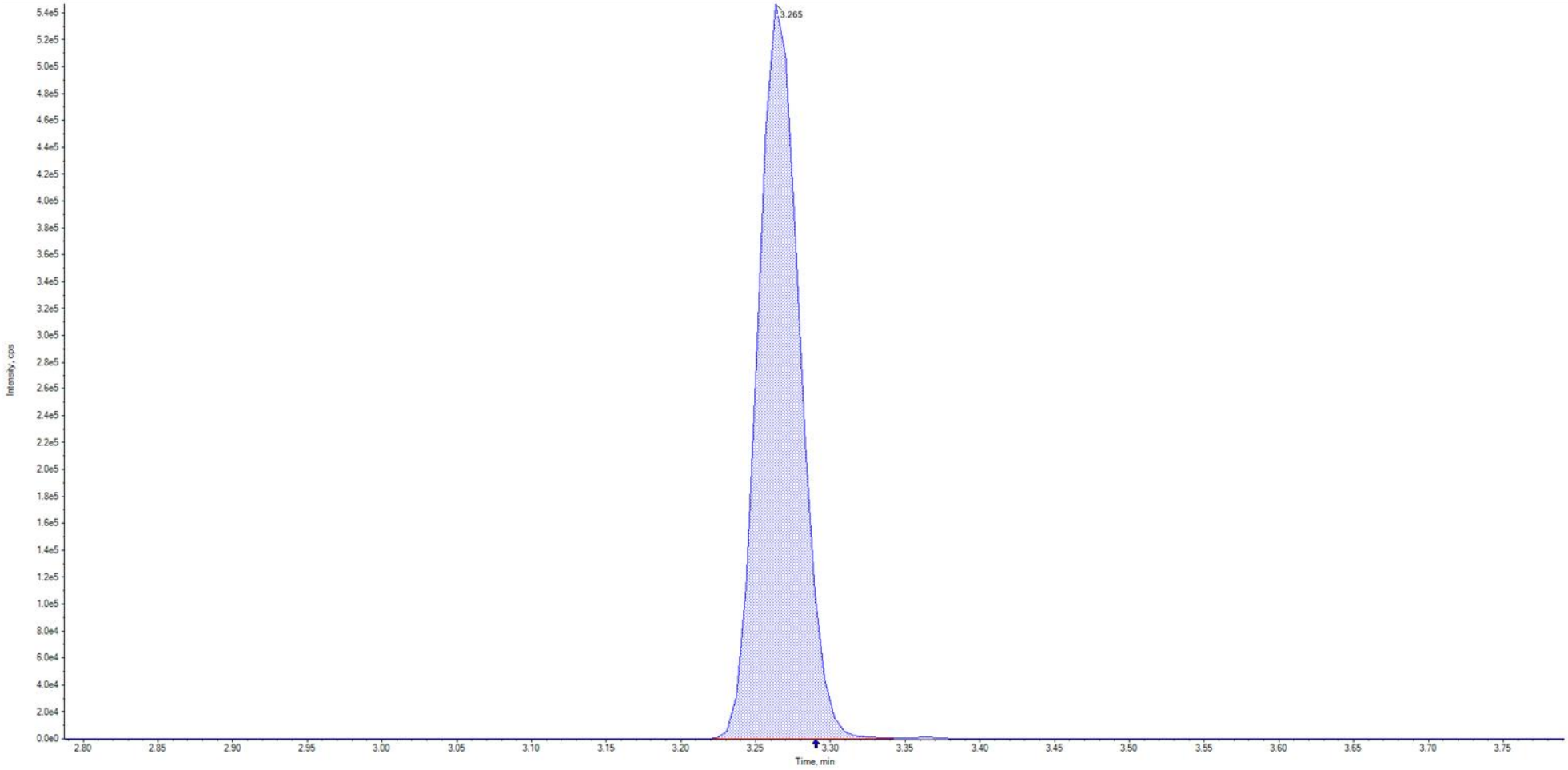


13C4-PFHpA
Sample: WG2011094-11,1633FMED

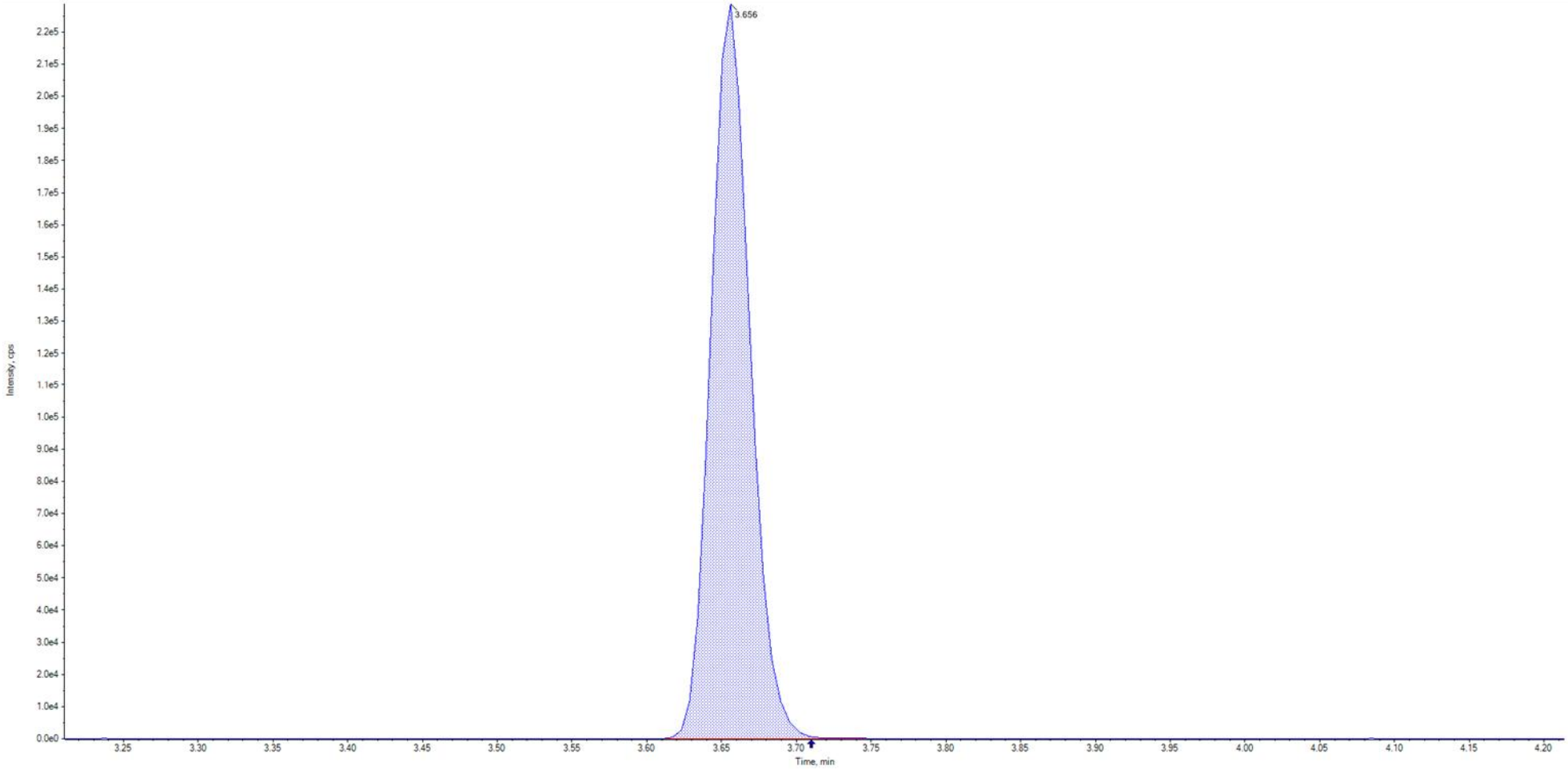


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

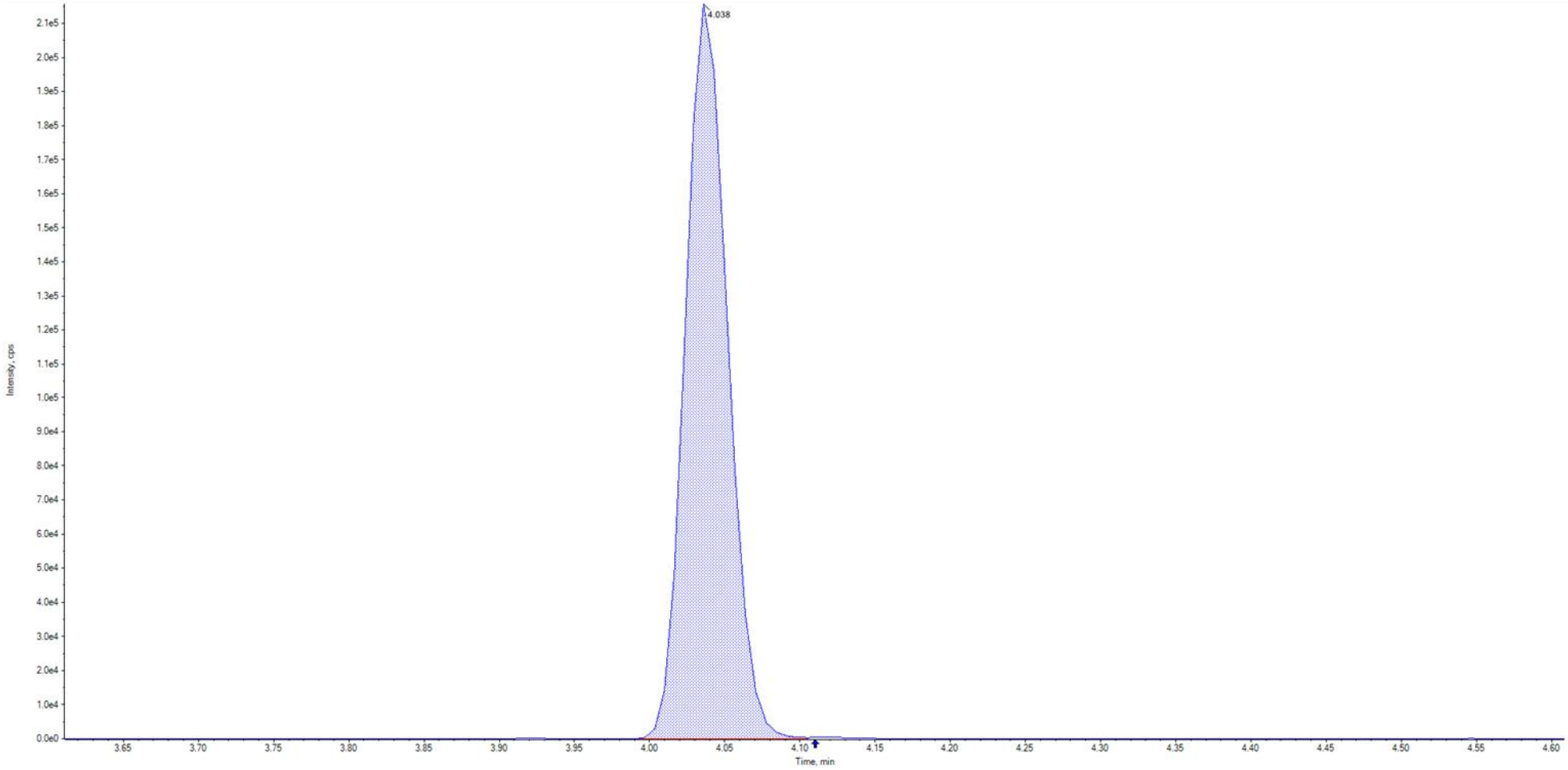
13C8-PFOA
Sample: WG2011094-11,1633FMED



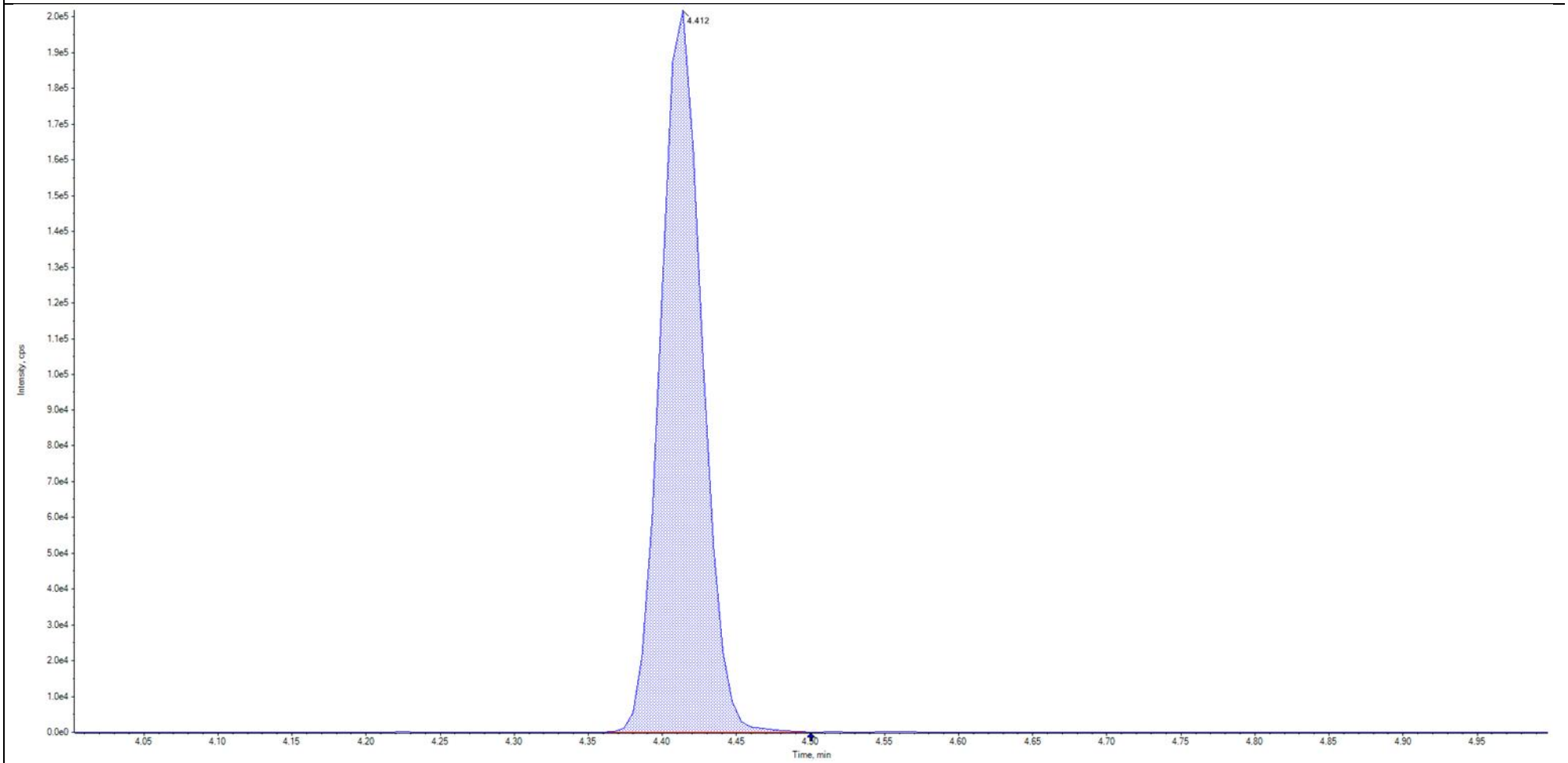
13C9-PFNA
Sample: WG2011094-11,1633FMED



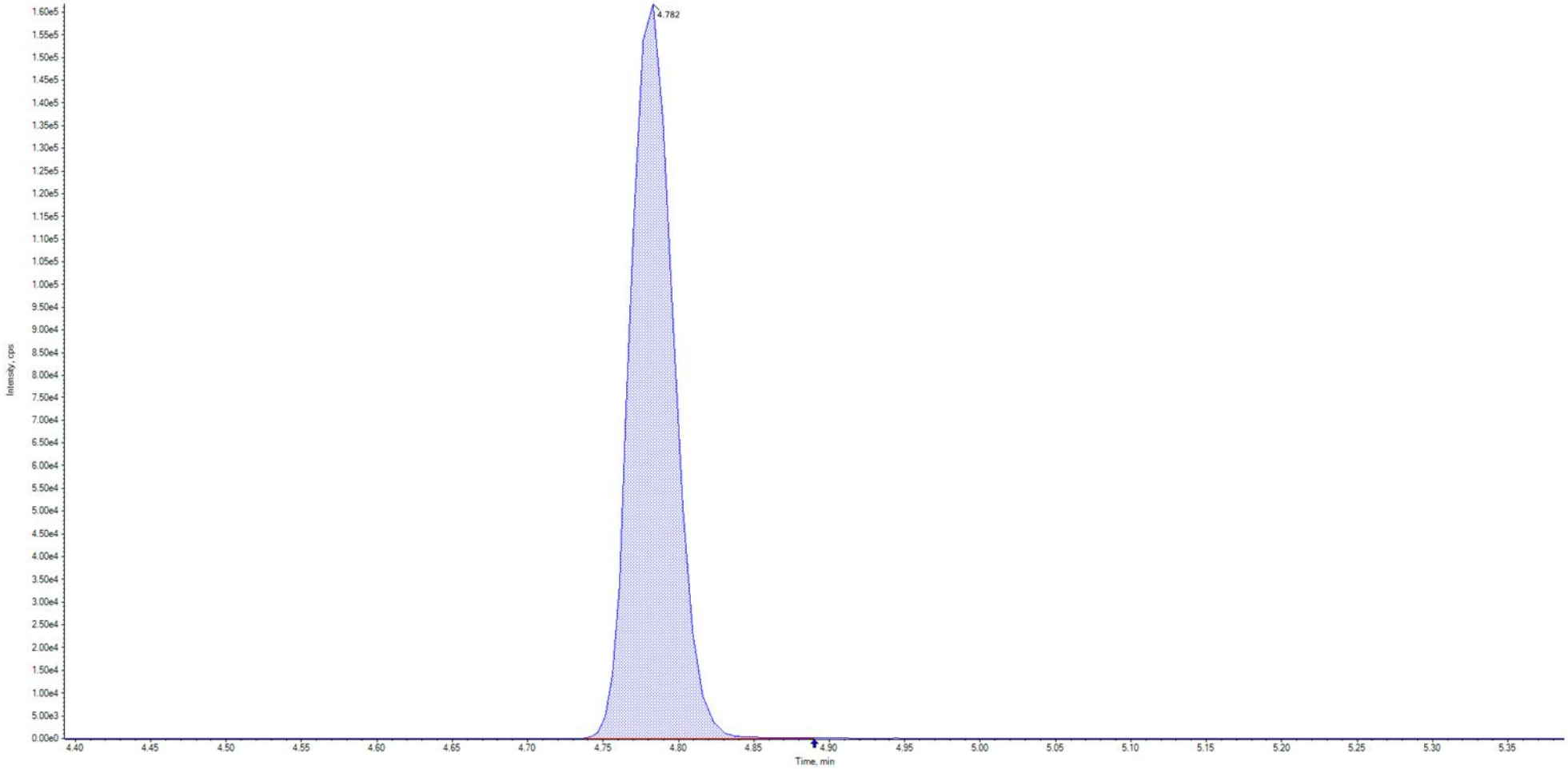
13C6-PFDA
Sample: WG2011094-11,1633FMED



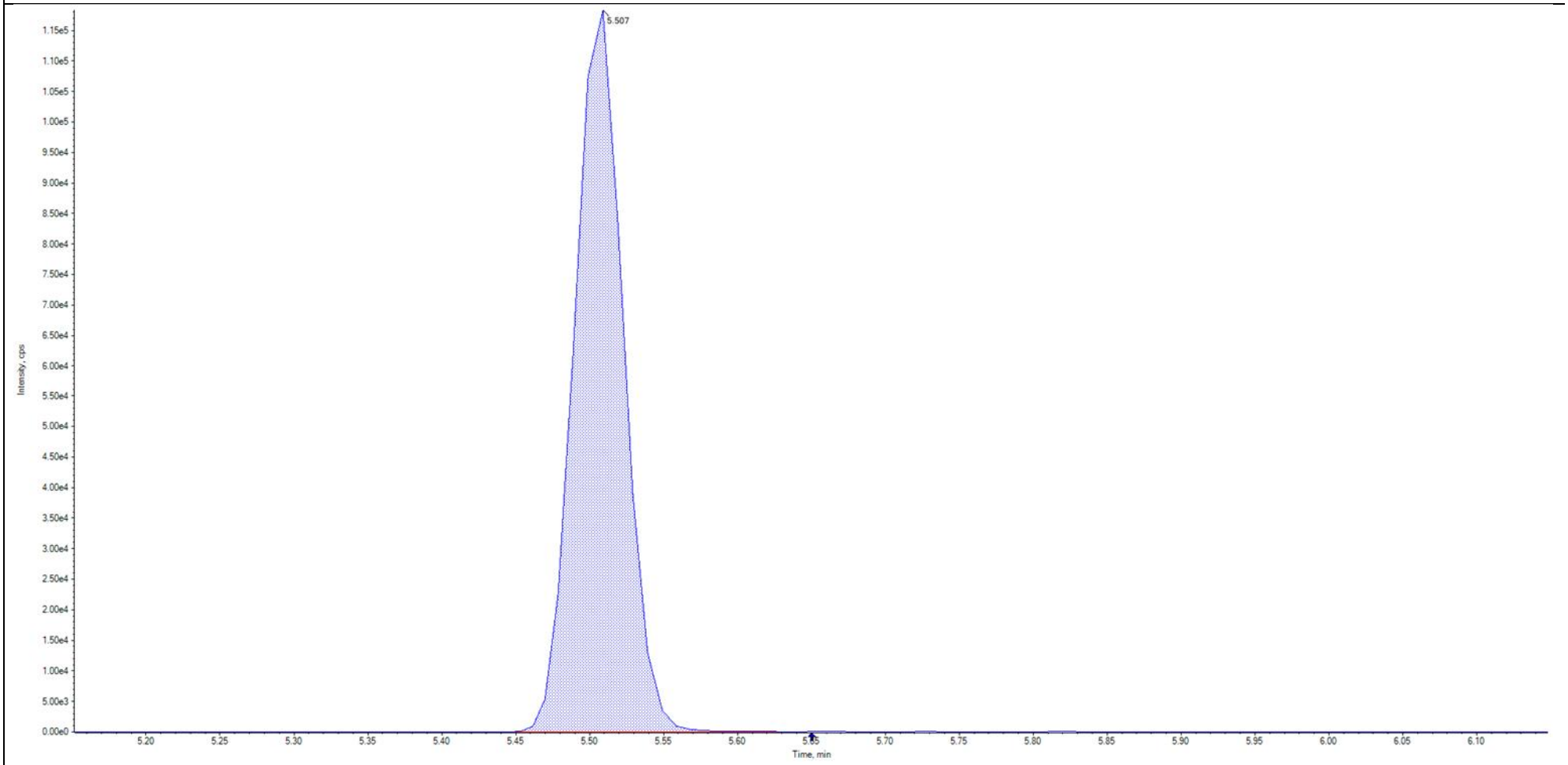
13C7-PFUnA
Sample: WG2011094-11,1633FMED



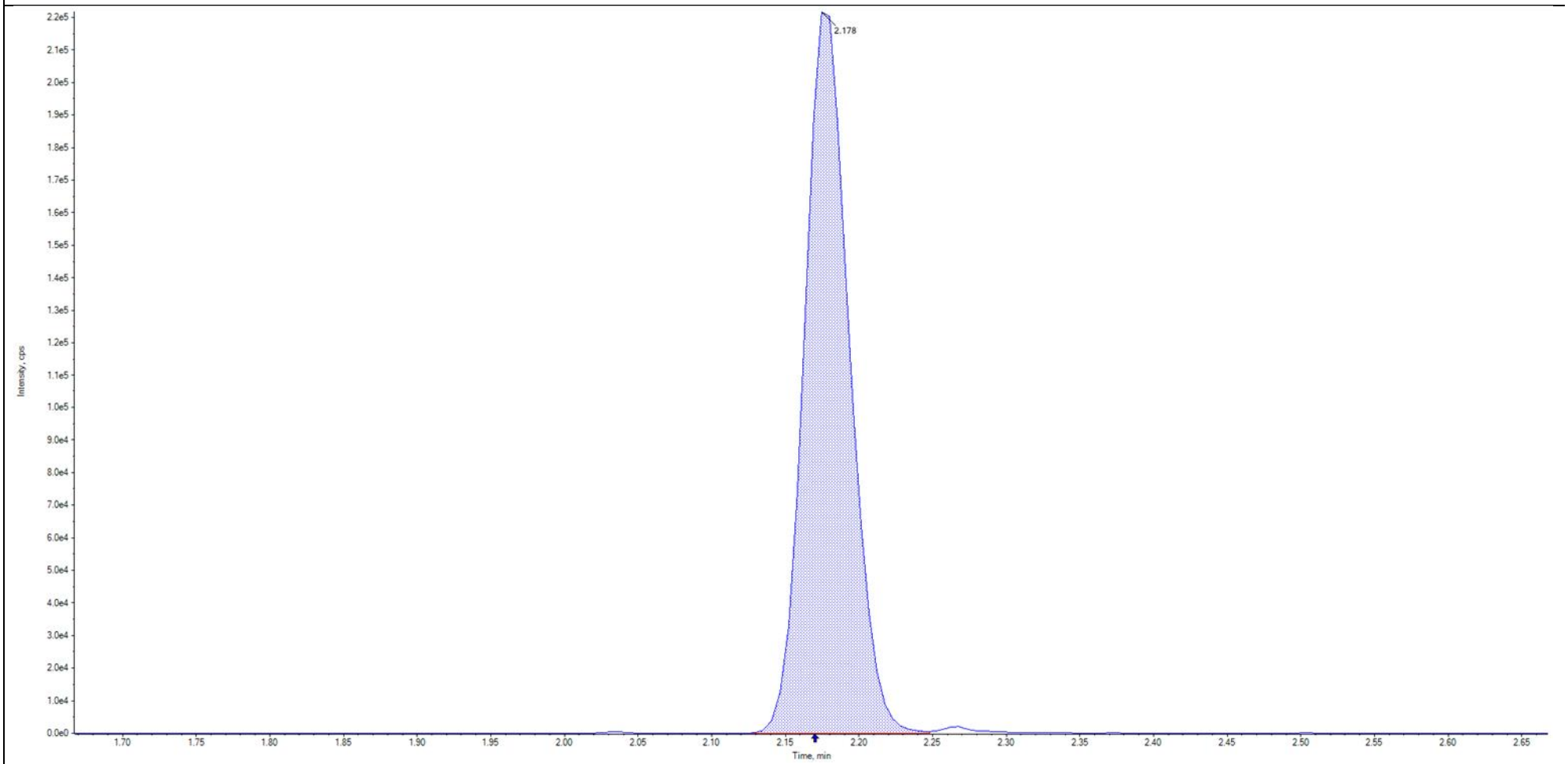
13C2-PFDoA
Sample: WG2011094-11,1633FMED



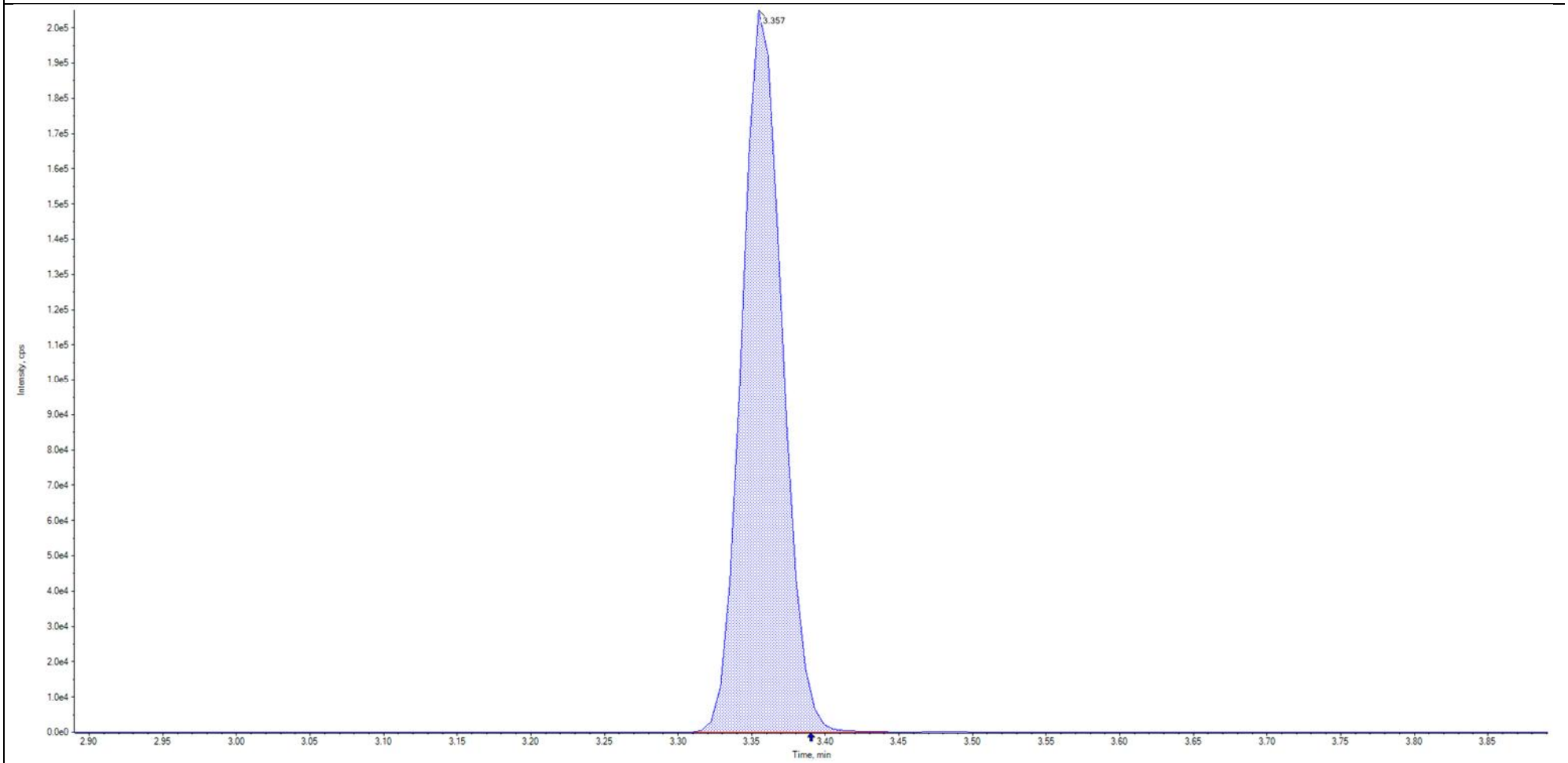
13C2-PFTeDA
Sample: WG2011094-11,1633FMED



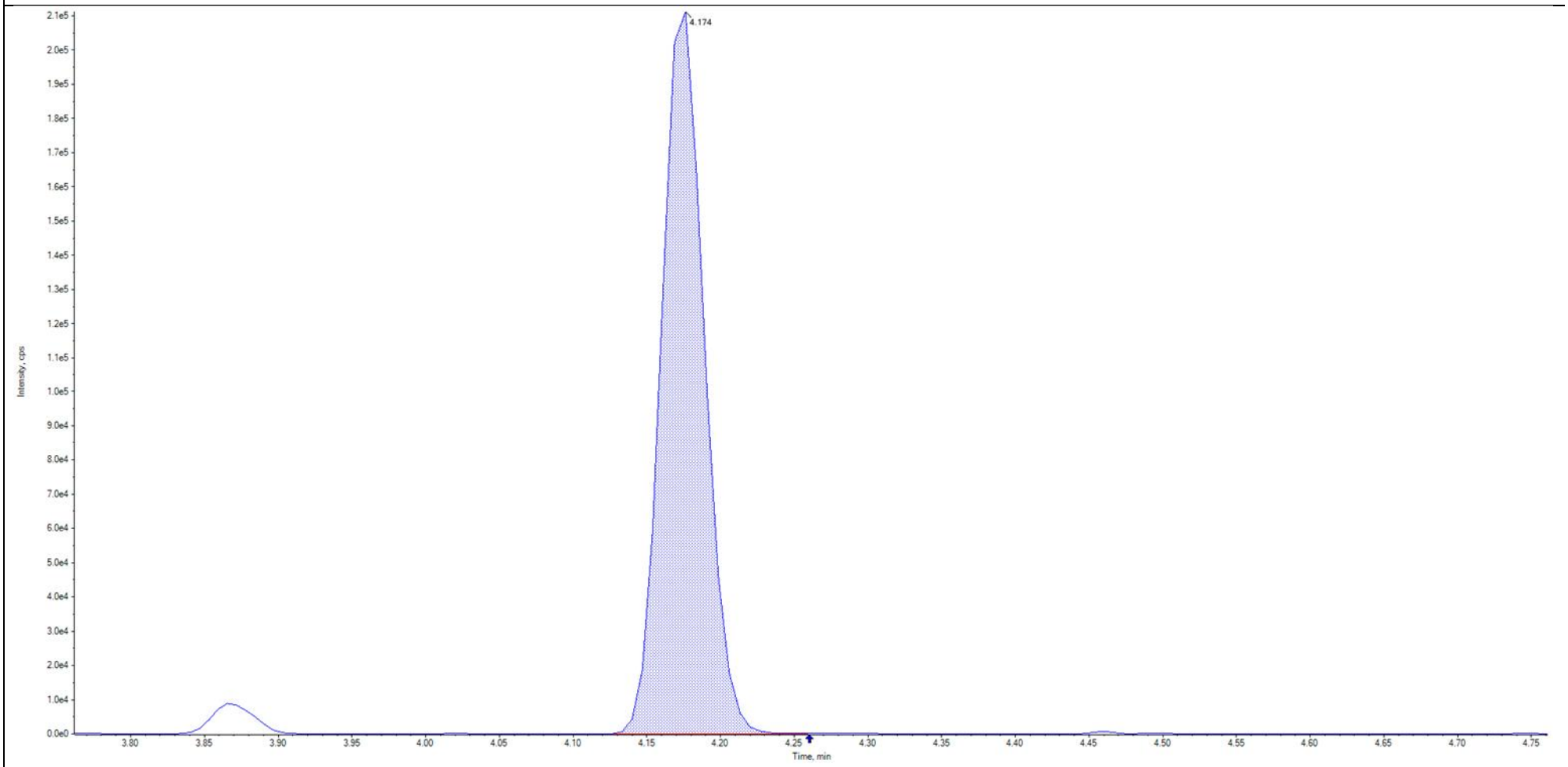
13C3-PFBS
Sample: WG2011094-11,1633FMED



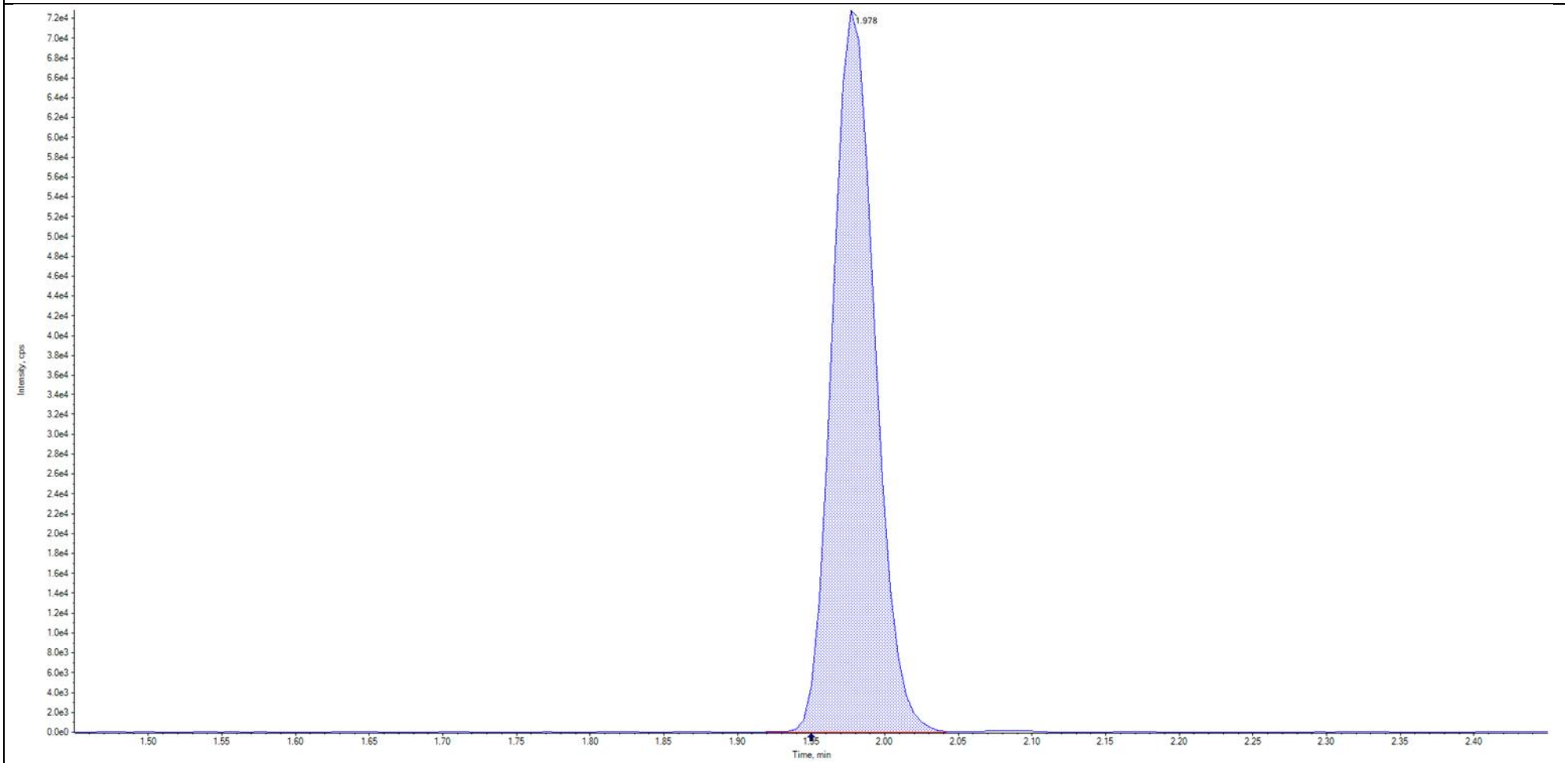
13C3-PFHxS
Sample: WG2011094-11,1633FMED



13C8-PFOS
Sample: WG2011094-11,1633FMED

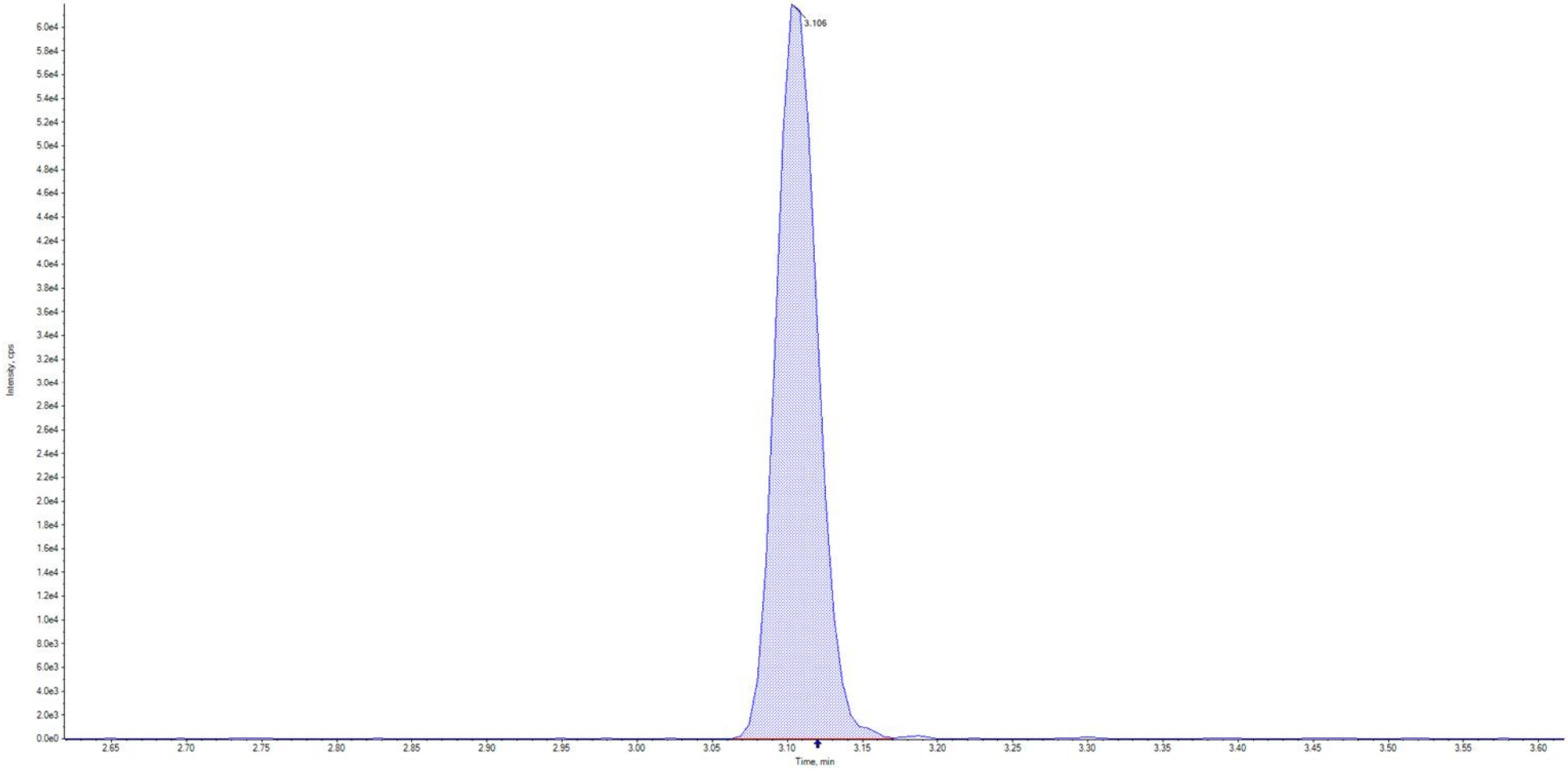


13C2-4:2FTS
Sample: WG2011094-11,1633FMED

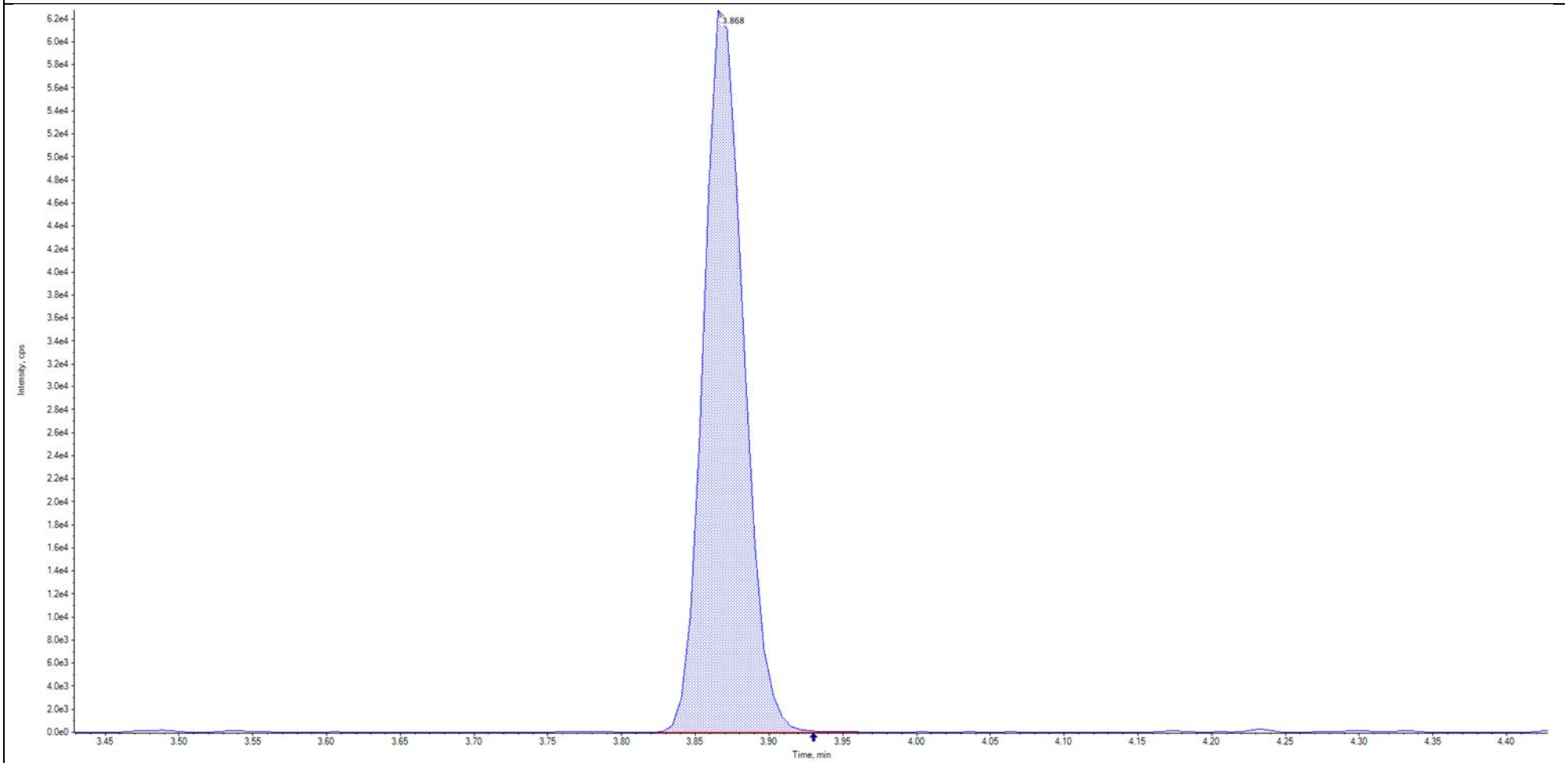


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

13C2-6:2FTS
Sample: WG2011094-11,1633FMED



13C2-8:2FTS
Sample: WG2011094-11,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
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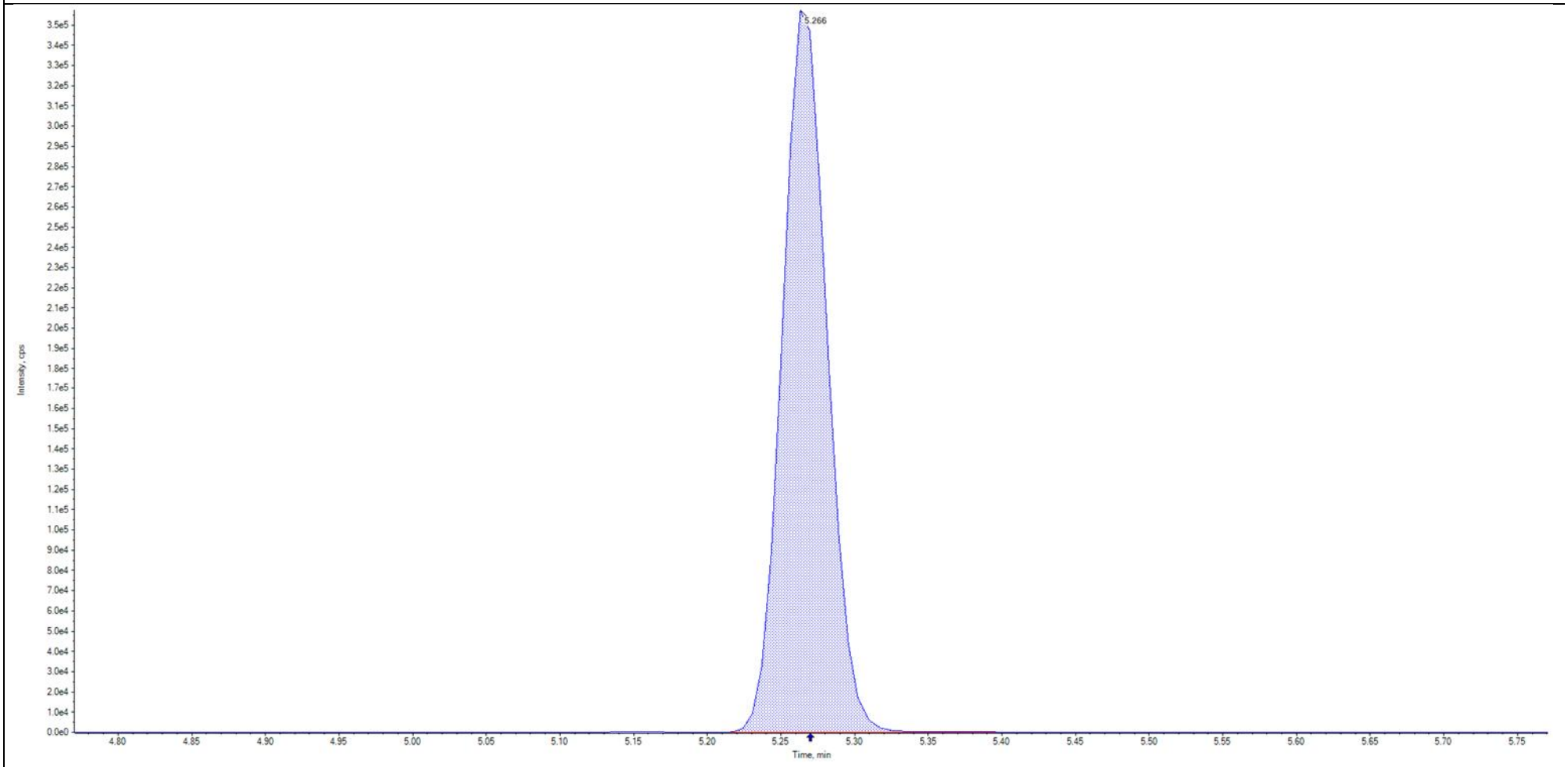
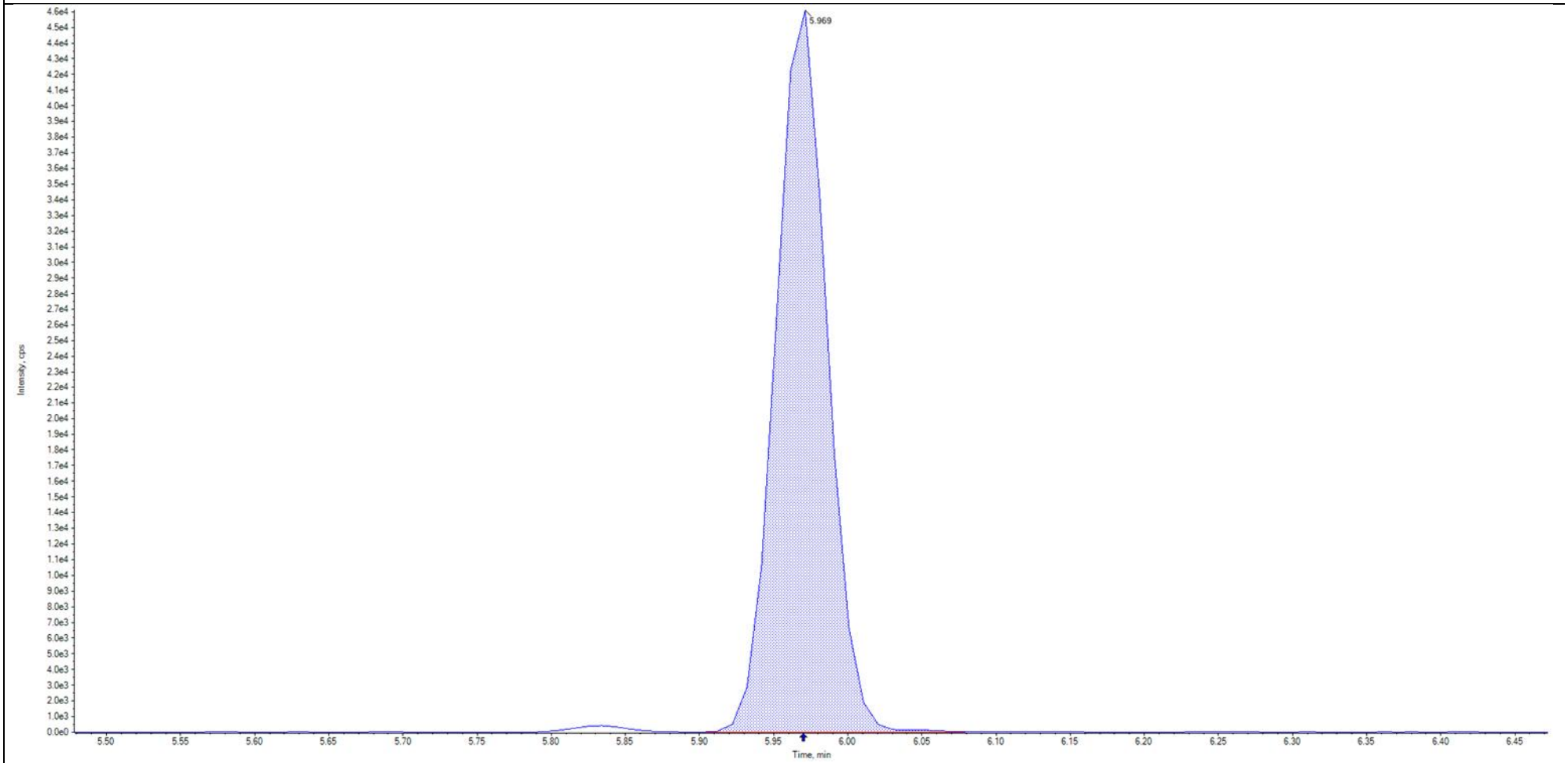
Generated: 12/19/2024 2:27:31 PM

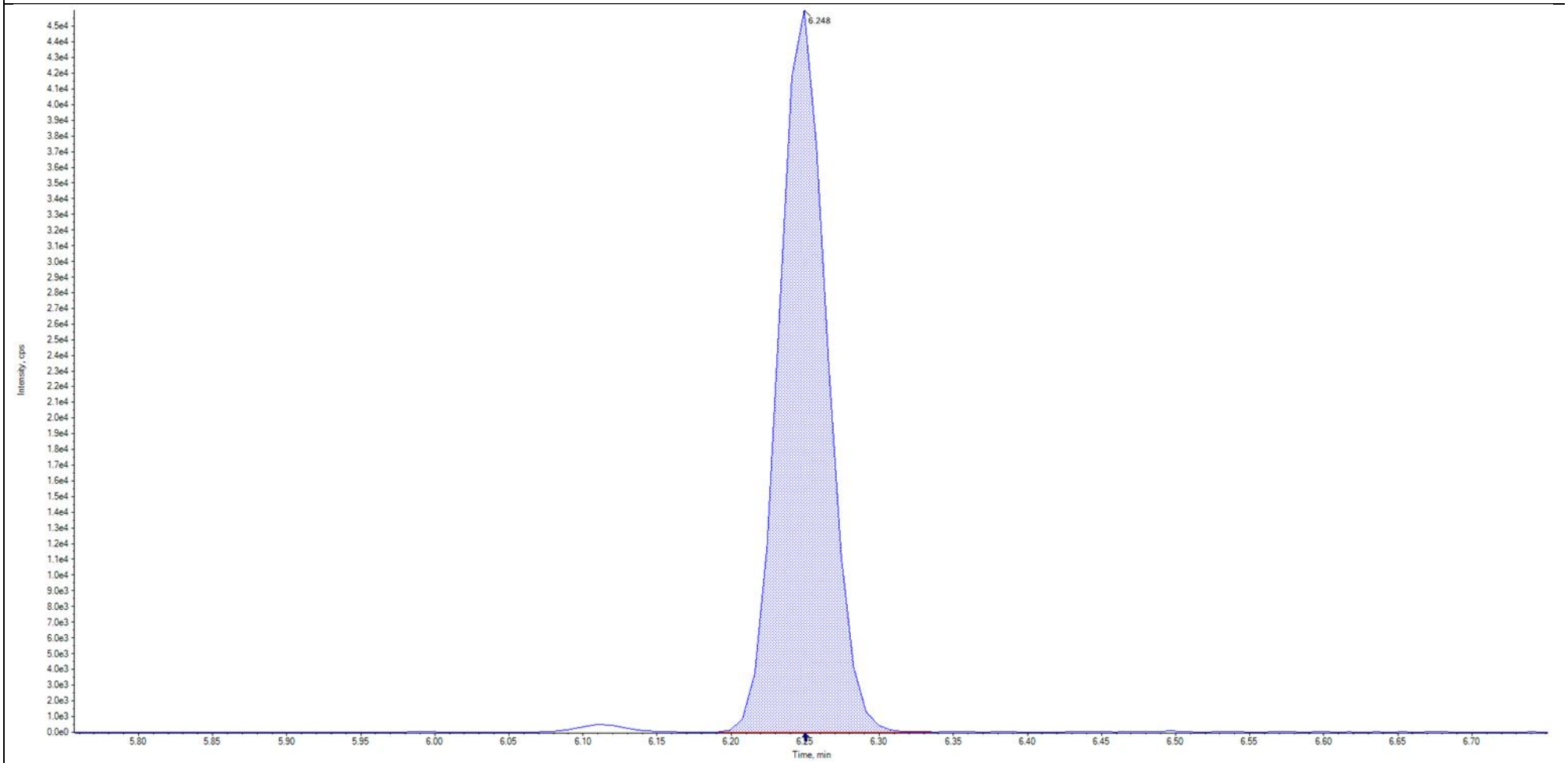
13C8-PFOSA
Sample: WG2011094-11,1633FMED



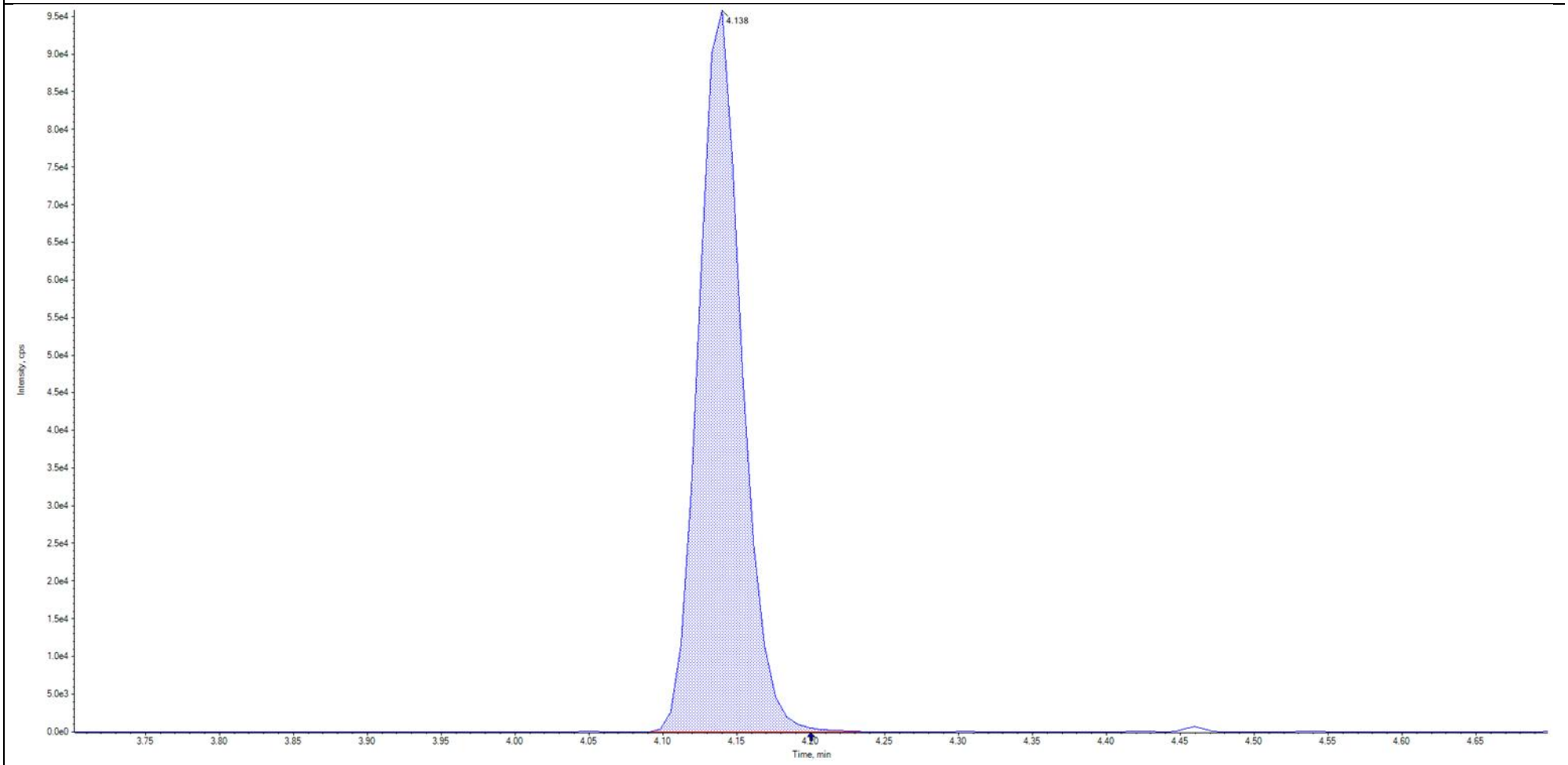
d3-NMeFOSA
Sample: WG2011094-11,1633FMED



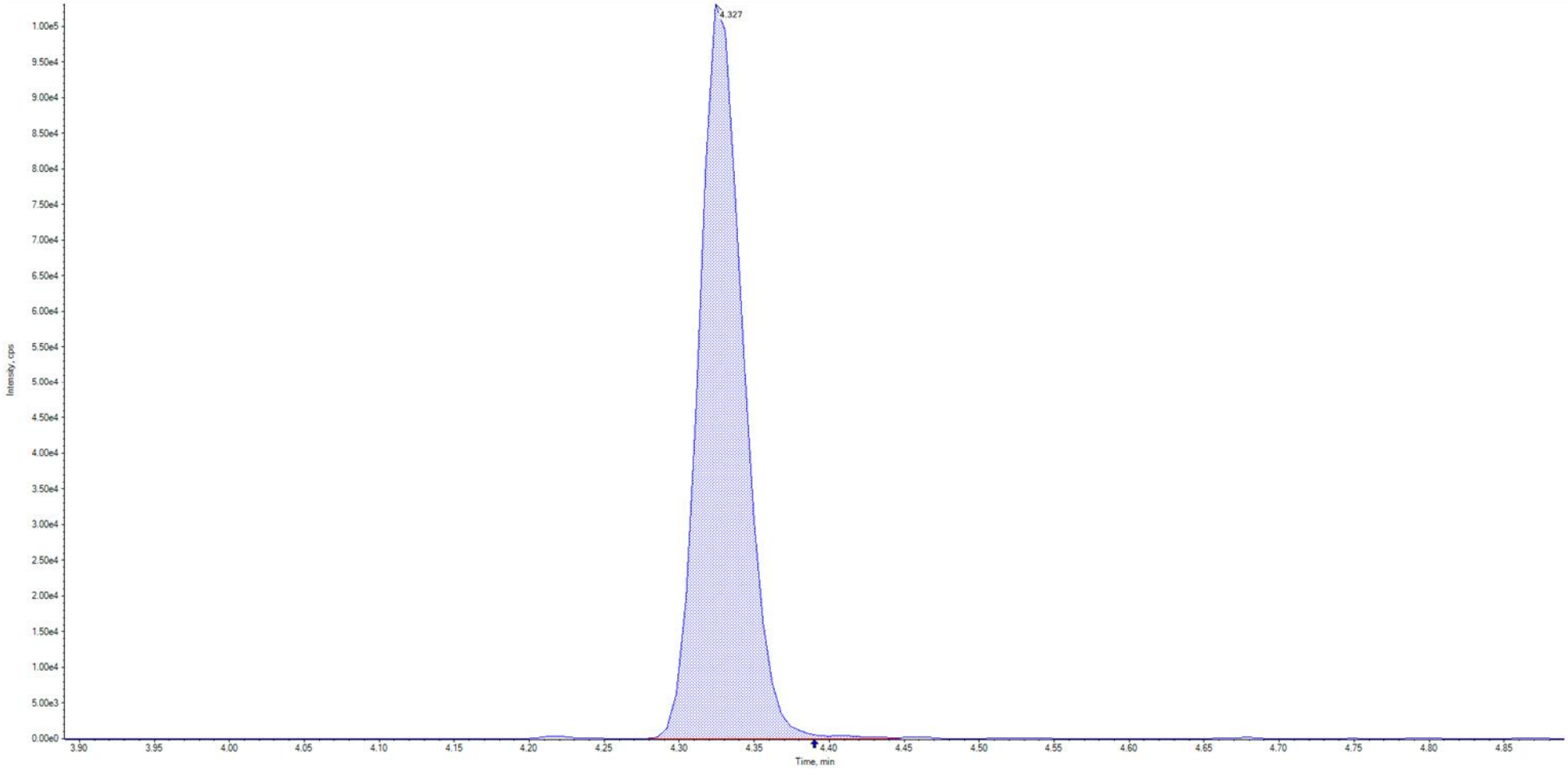
d5-NEtFOSA
Sample: WG2011094-11,1633FMED



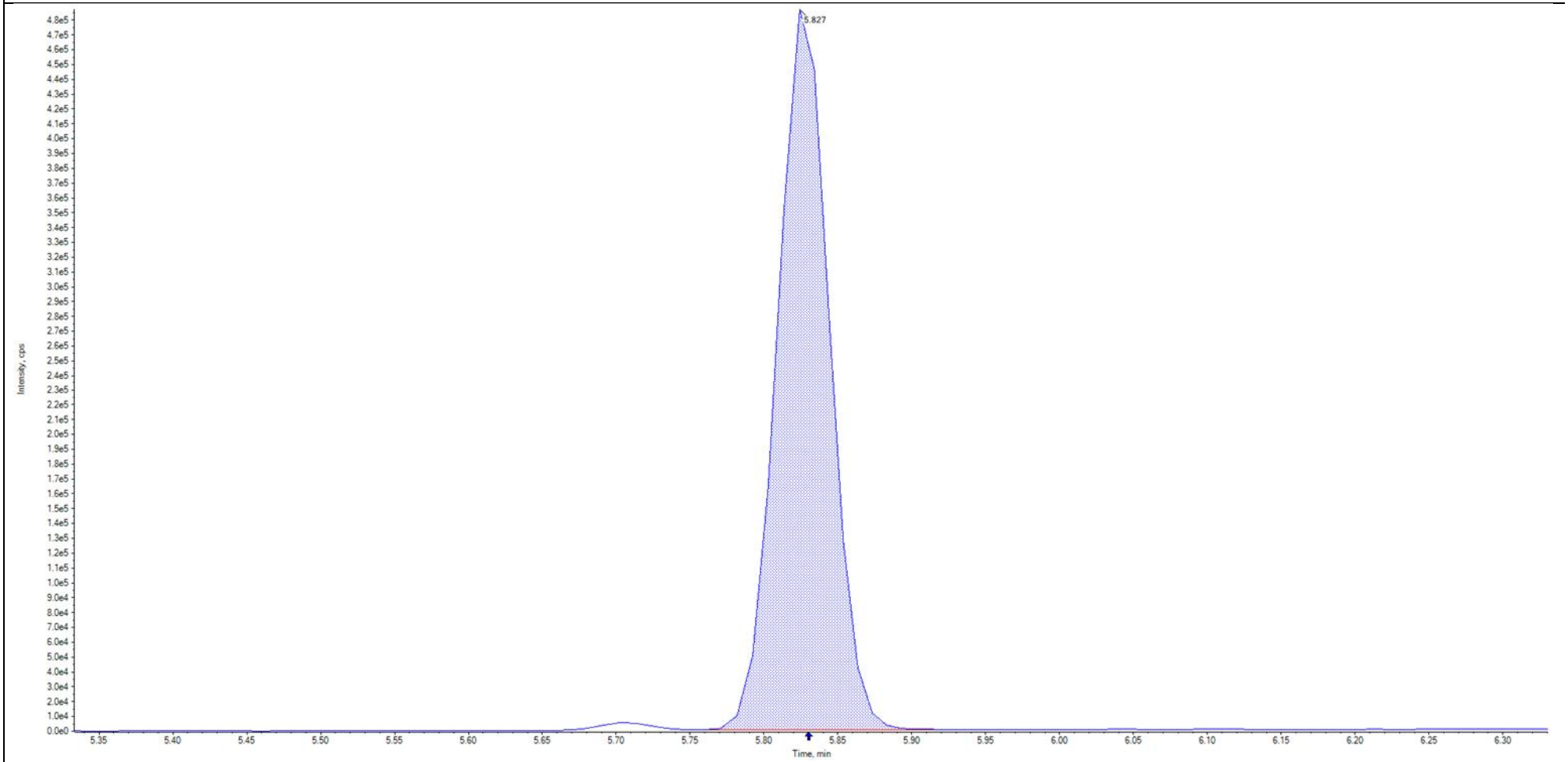
d3-NMeFOSAA
Sample: WG2011094-11,1633FMED



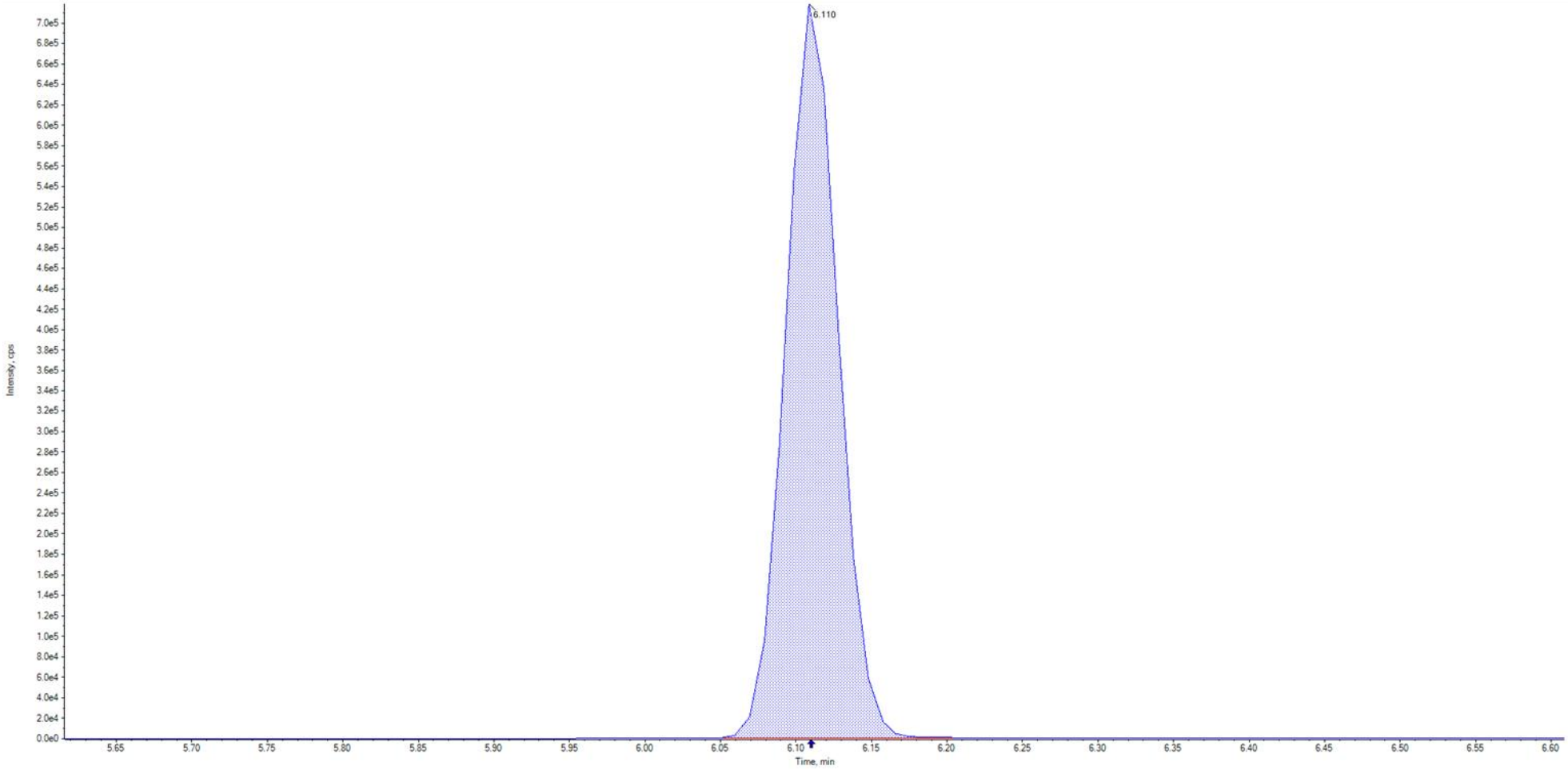
d5-NEtFOSAA
Sample: WG2011094-11,1633FMED



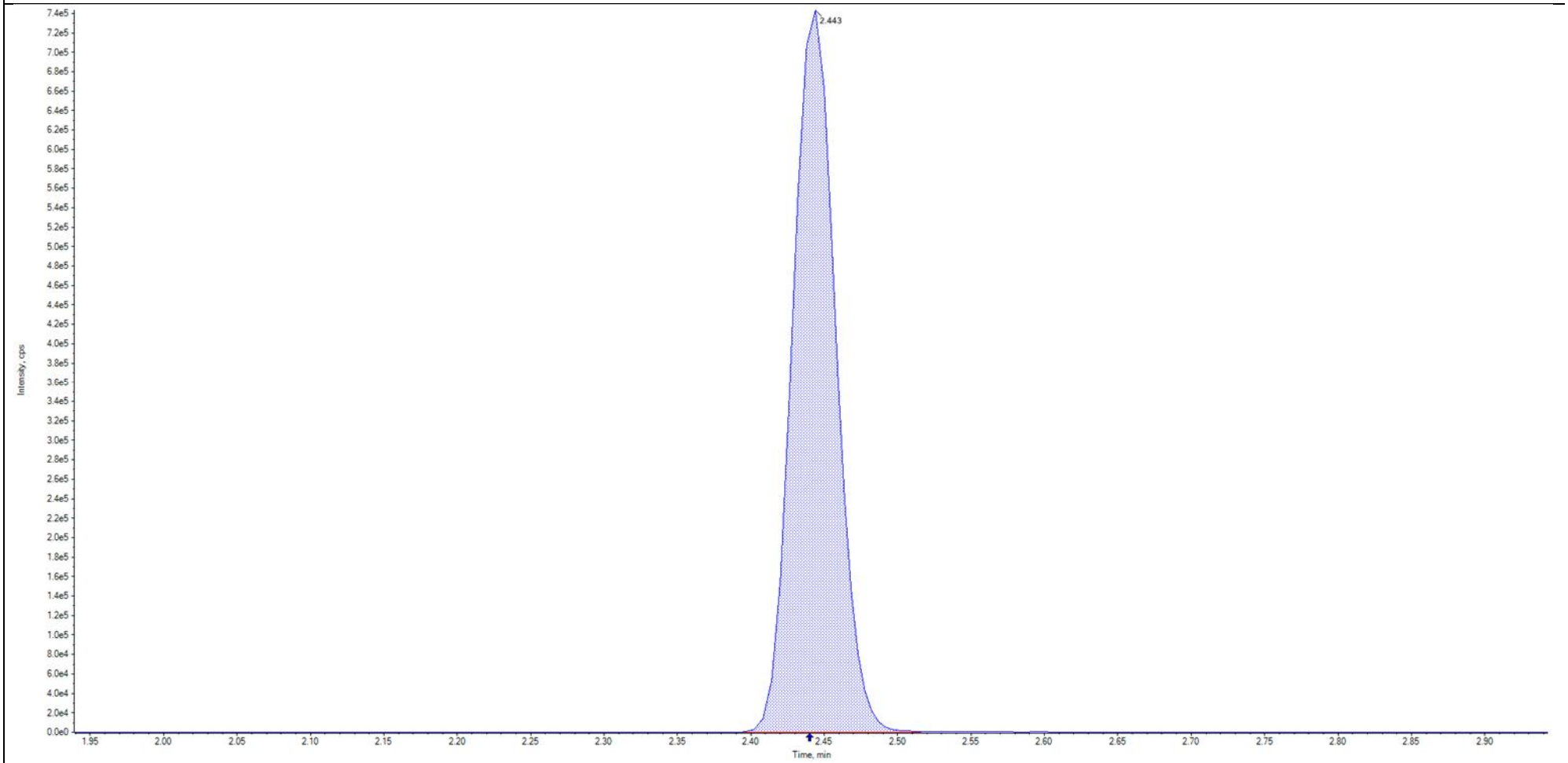
d7-NMeFOSE
Sample: WG2011094-11,1633FMED



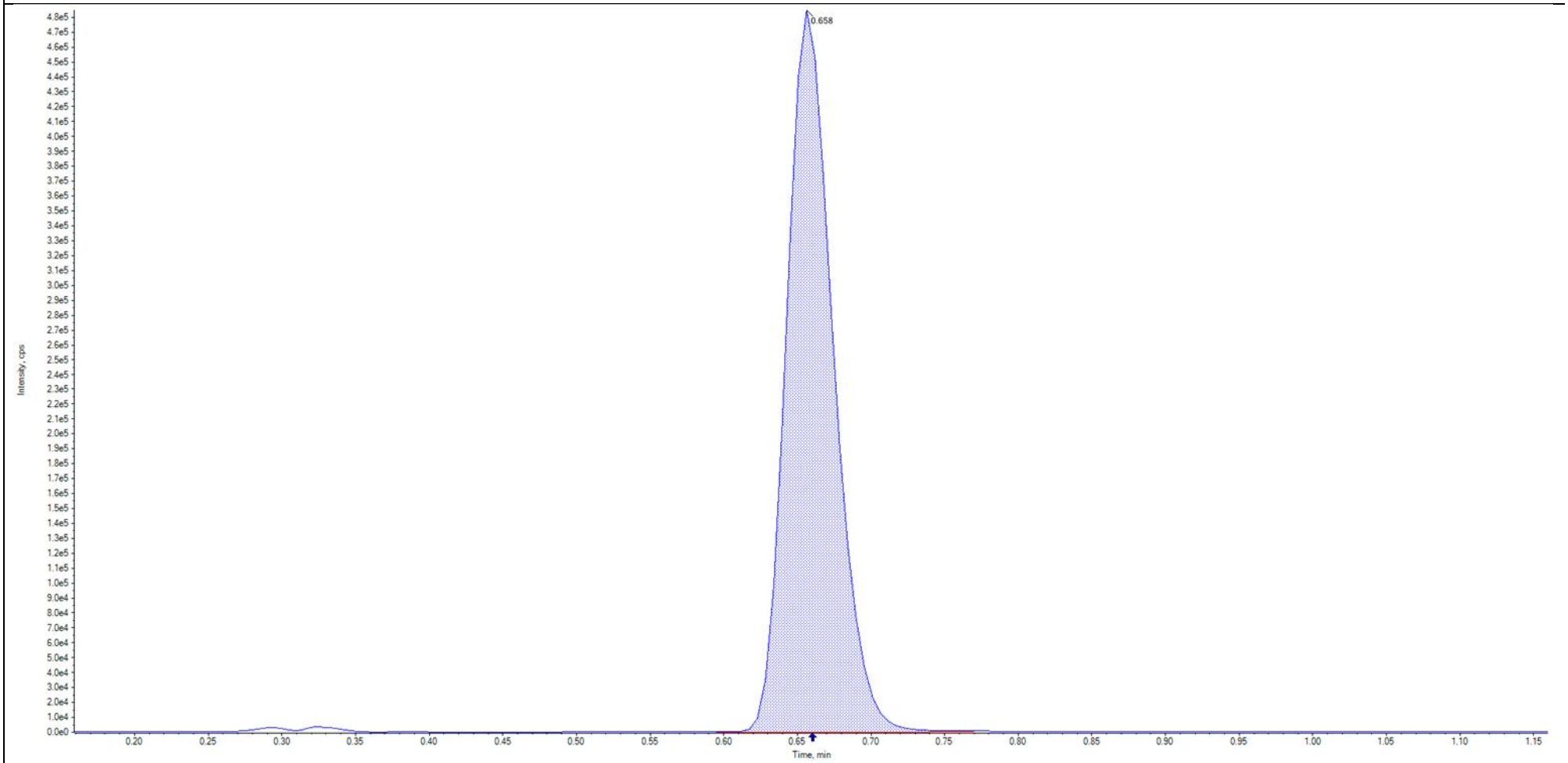
d9-NEtFOSE
Sample: WG2011094-11,1633FMED



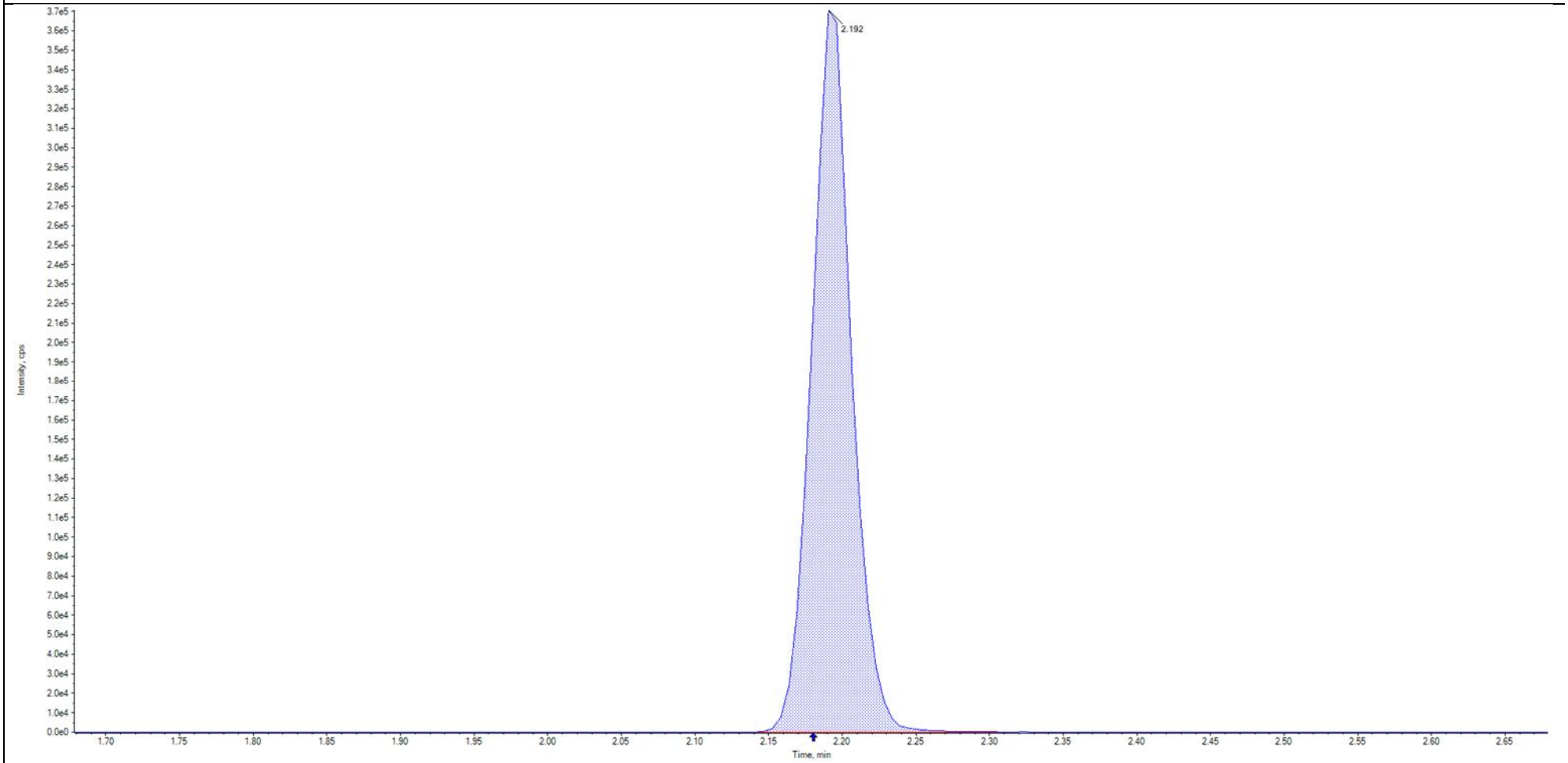
13C3-HFPO-DA
Sample: WG2011094-11,1633FMED



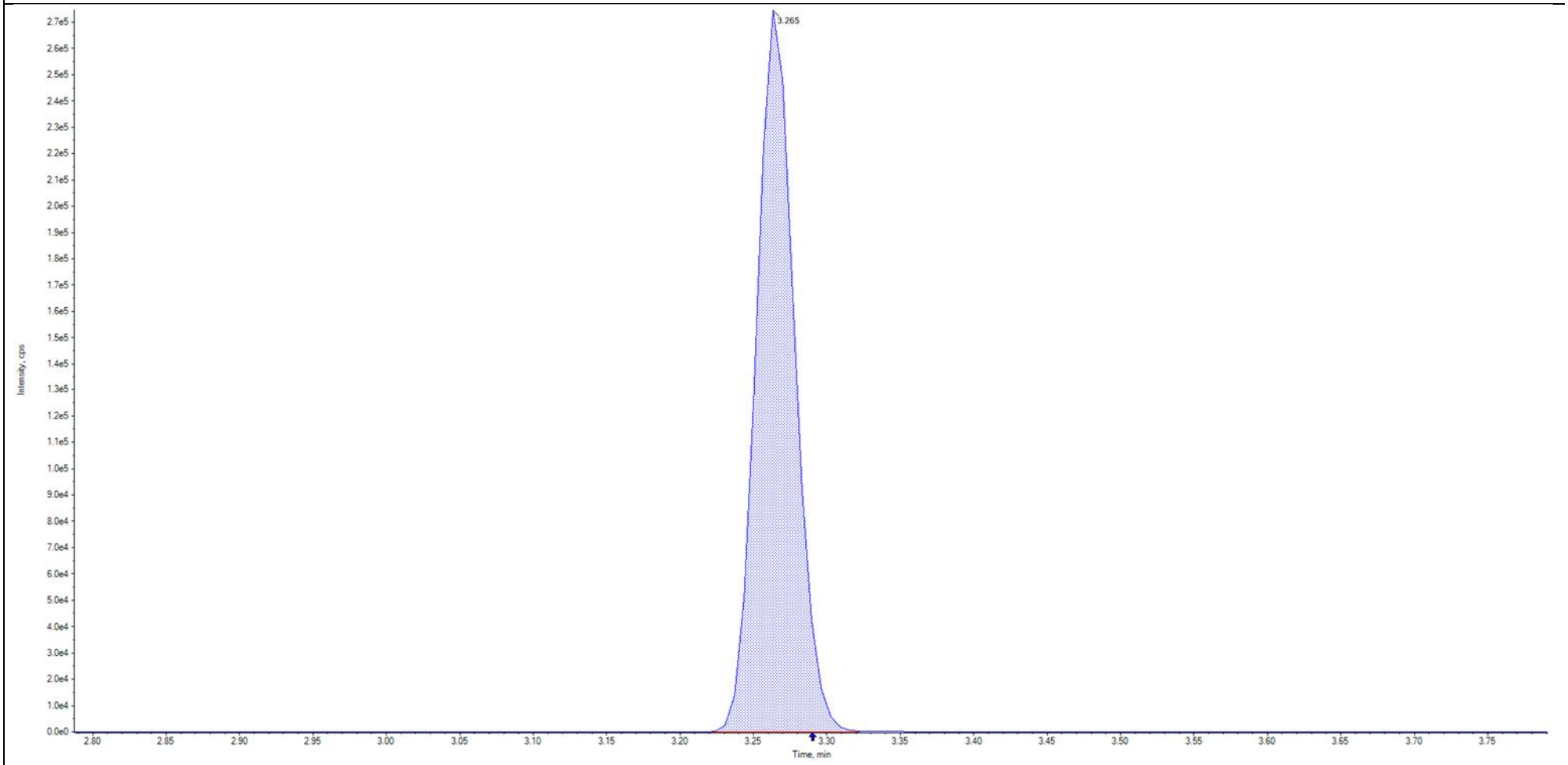
13C3-PFBA
Sample: WG2011094-11,1633FMED



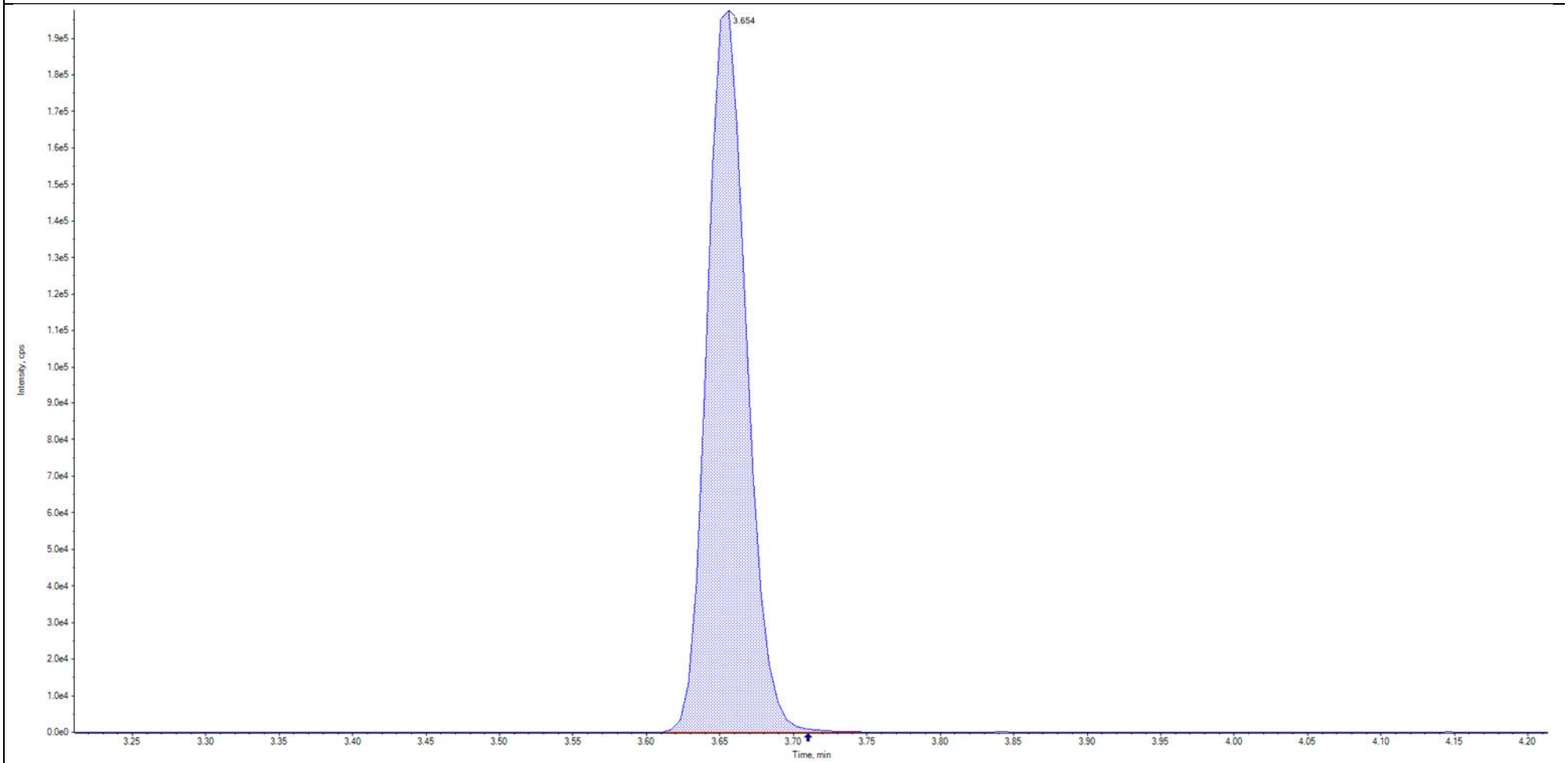
13C2-PFHxA
Sample: WG2011094-11,1633FMED



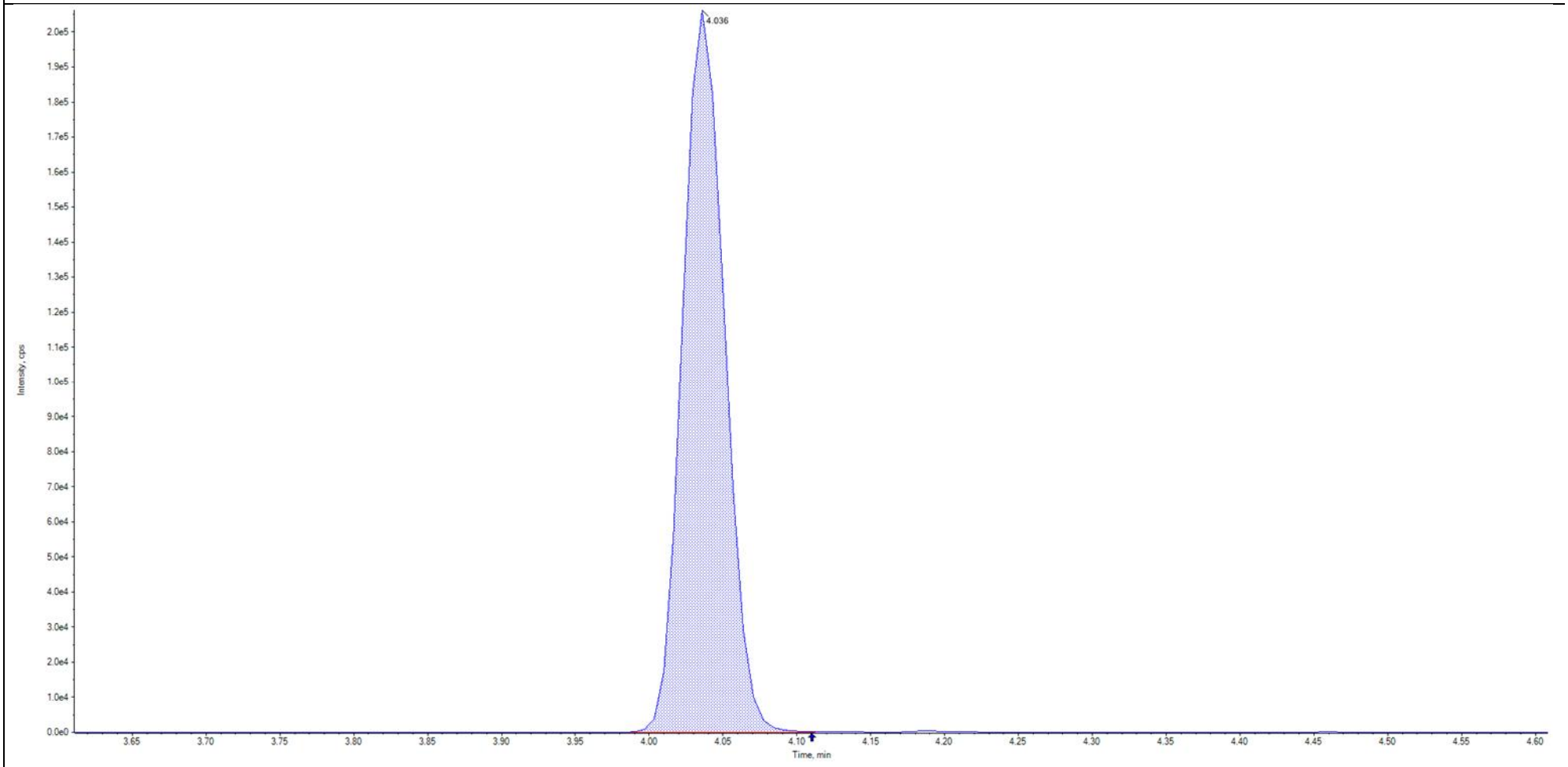
13C4-PFOA
Sample: WG2011094-11,1633FMED



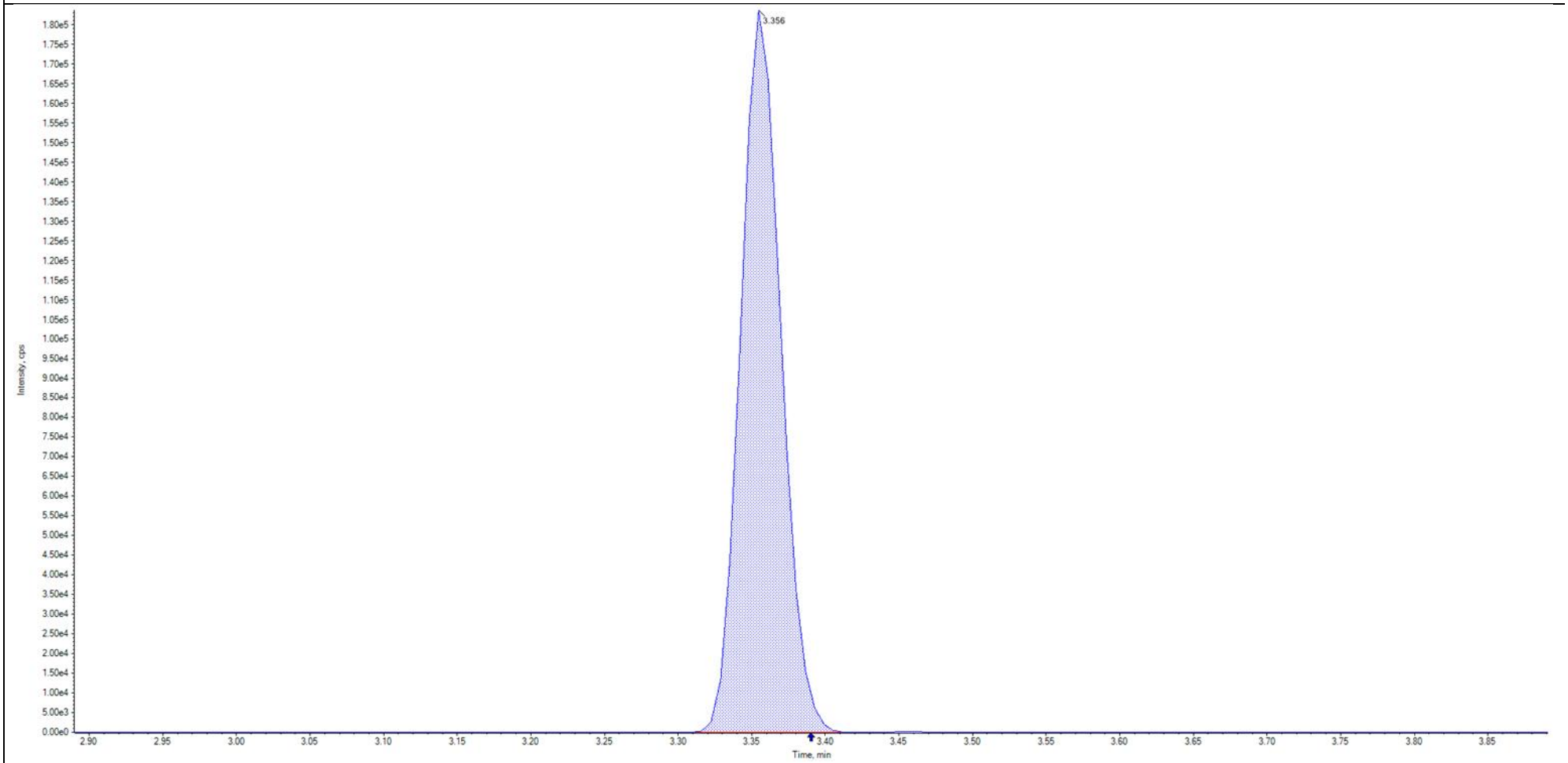
13C5-PFNA
Sample: WG2011094-11,1633FMED



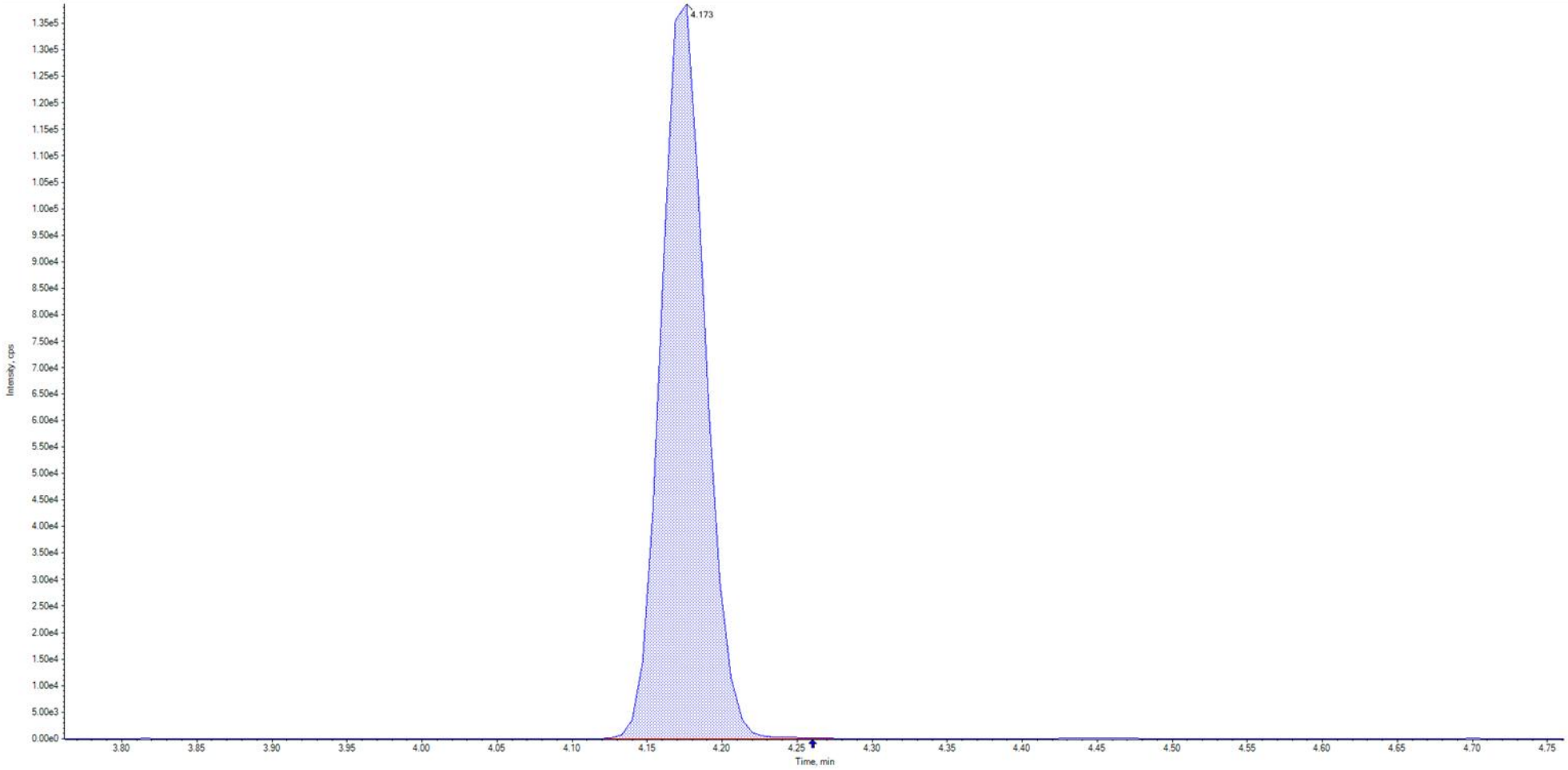
13C2-PFDA
Sample: WG2011094-11,1633FMED



18O2-PFHxS
Sample: WG2011094-11,1633FMED



13C4-PFOS
Sample: WG2011094-11,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_61.wiff2_12
Last Altered: 12/19/2024 3:55:43 PM
Generated: 12/19/2024 2:27:31 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

Method: EPA1633F.qmethod
Calibration: 241115_EPA1633_ICAL

ID: WG2011094-13,1633FMED
Name: SCI05_241219_76.wiff2
Date & Time: 2024-12-19T19:02:51
Description: WG2011094,WG2000000,ICAL21712,1633FMED
Instrument: SCIEX Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.65	213.0 / 169.0	4456167		21.976	N/A	N/A	N/A	109.9
2	PFPeA	2706-90-3	1.32	263.0 / 219.0	2151975		10.706	0.008	N/A	N/A	107.1
3	PFPeA_2	2706-90-3	1.32	263.0 / 68.9	16204		10.861	0.008	N/A	N/A	108.6
4	PFHxA	307-24-4	2.14	313.0 / 269.0	1530980		5.331	0.080	0.089	Pass	106.6
5	PFHxA_2	307-24-4	2.14	313.0 / 119.0	122677		5.787	0.080	0.089	Pass	115.7
6	PFHpA	375-85-9	2.79	363.1 / 319.0	1507005		5.086	0.355	0.332	Pass	101.7
7	PFHpA_2	375-85-9	2.79	363.1 / 169.0	534807		5.630	0.355	0.332	Pass	112.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.23	413.1 / 369.1	1543529	m5	5.142	0.372	0.369	Pass	102.8
9	PFOA_2	335-67-1	3.23	413.1 / 169.0	574646	m5	5.185	0.372	0.369	Pass	103.7
10	PFNA	375-95-1	3.63	462.8 / 418.9	1434043		5.097	0.320	0.303	Pass	101.9
11	PFNA_2	375-95-1	3.63	462.8 / 219.0	458683	m5	5.464	0.320	0.303	Pass	109.3
12	PFDA	335-76-2	4.02	513.1 / 469.1	1504187		5.426	0.167	0.162	Pass	108.5
13	PFDA_2	335-76-2	4.02	513.1 / 219.0	251768		5.501	0.167	0.162	Pass	110.0
14	PFUnA	2058-94-8	4.40	563.1 / 519.1	1159583		5.425	0.198	0.199	Pass	108.5
15	PFUnA_2	2058-94-8	4.40	563.1 / 269.0	229558		5.535	0.198	0.199	Pass	110.7
16	PFDoA	307-55-1	4.78	613.1 / 569.1	1320000		5.980	0.189	0.180	Pass	119.6
17	PFDoA_2	307-55-1	4.78	613.1 / 319.0	249259		6.106	0.189	0.180	Pass	122.1
18	PFTrDA	72629-94-8	5.15	663.1 / 619.1	1226358		5.603	0.159	0.160	Pass	112.1
19	PFTrDA_2	72629-94-8	5.15	663.1 / 169.0	194757		5.526	0.159	0.160	Pass	110.5
20	PFTeDA	376-06-7	5.51	713.1 / 669.1	1124843		5.481	0.144	0.149	Pass	109.6
21	PFTeDA_2	376-06-7	5.51	713.1 / 169.0	161949		5.407	0.144	0.149	Pass	108.1
22	PFBS	375-73-5	2.12	299.1 / 80.1	941489		4.852	0.367	0.388	Pass	109.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.12	299.1 / 99.1	345374		4.479	0.367	0.388	Pass	100.9
24	PFPeS	2706-91-4	2.84	349.1 / 80.1	918125		4.794	0.293	0.297	Pass	102.0
25	PFPeS_2	2706-91-4	2.84	349.1 / 99.1	269025		4.838	0.293	0.297	Pass	102.9
26	PFHxS	355-46-4	3.32	399.1 / 80.1	763800	m5	4.423	0.305	0.296	Pass	97.0
27	PFHxS_2	355-46-4	3.32	399.1 / 99.1	233042	m5	4.388	0.305	0.296	Pass	96.2
28	PFHpS	375-92-8	3.75	449.1 / 80.1	836128		5.469	0.287	0.258	Pass	114.9
29	PFHpS_2	375-92-8	3.75	449.1 / 99.1	239864		5.964	0.287	0.258	Pass	125.3
30	PFOS	1763-23-1	4.16	499.1 / 80.1	846822	m5	5.020	0.236	0.233	Pass	108.2
31	PFOS_2	1763-23-1	4.16	499.1 / 99.1	199534	m5	5.302	0.236	0.233	Pass	114.3
32	PFNS	68259-12-1	4.55	549.1 / 80.1	635560		5.724	0.304	0.296	Pass	119.2
33	PFNS_2	68259-12-1	4.55	549.1 / 99.1	193218		5.942	0.304	0.296	Pass	123.8
34	PFDS	335-77-3	4.93	599.1 / 80.1	634013		5.804	0.271	0.272	Pass	120.4
35	PFDS_2	335-77-3	4.93	599.1 / 99.1	171550		5.605	0.271	0.272	Pass	116.3
36	PFDoS	79780-39-5	5.66	699.2 / 80.1	595825		5.951	0.252	0.263	Pass	123.0
37	PFDoS_2	79780-39-5	5.66	699.2 / 99.1	149855		5.703	0.252	0.263	Pass	117.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.92	327.1 / 307.1	1128203		20.117	0.556	0.559	Pass	107.6
39	4:2FTS_2	757124-72-4	1.92	327.1 / 81.1	627067		19.811	0.556	0.559	Pass	105.9
40	6:2FTS	27619-97-2	3.06	427.2 / 407.2	921606		22.506	0.600	0.593	Pass	118.5
41	6:2FTS_2	27619-97-2	3.06	427.2 / 81.1	553093		21.763	0.600	0.593	Pass	114.5
42	8:2FTS	39108-34-4	3.84	527.2 / 507.2	601048		21.283	0.765	0.759	Pass	110.9
43	8:2FTS_2	39108-34-4	3.84	527.2 / 81.1	459570		21.915	0.765	0.759	Pass	114.1
44	PFOSA	754-91-6	5.26	498.1 / 78.1	1071686	m5	5.114	0.025	0.023	Pass	102.3
45	PFOSA_2	754-91-6	5.26	498.1 / 478.0	26760	m5	5.394	0.025	0.023	Pass	107.9
46	NMeFOSA	31506-32-8	5.98	512.2 / 219.0	229316	m5	5.254	1.559	1.457	Pass	105.1
47	NMeFOSA_2	31506-32-8	5.92	512.2 / 169.0	357537		5.641	1.559	1.457	Pass	112.8
48	NEtFOSA	4151-50-2	6.26	526.2 / 219.0	240860		5.116	1.298	1.309	Pass	102.3
49	NEtFOSA_2	4151-50-2	6.23	526.2 / 169.0	312599		5.060	1.298	1.309	Pass	101.2
50	NMeFOSAA	2355-31-9	4.12	570.2 / 419.1	171365	m5	5.981	0.727	0.804	Pass	119.6
51	NMeFOSAA_2	2355-31-9	4.12	570.2 / 483.0	124602		5.698	0.727	0.804	Pass	114.0
52	NEtFOSAA	2991-50-6	4.32	584.2 / 419.1	206746	m5	5.397	0.448	0.419	Pass	108.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.32	584.2 / 526.2	92673		5.489	0.448	0.419	Pass	109.8
54	NMeFOSE	24448-09-7	5.85	616.1 / 58.9	6062657	m5	51.310	N/A	N/A	N/A	102.6
55	NEtFOSE	1691-99-2	6.13	630.0 / 58.9	10159990		52.719	N/A	N/A	N/A	105.4
56	HFPO-DA	13252-13-6	2.40	285.0 / 169.0	2982511		22.982	0.697	0.685	Pass	114.9
57	HFPO-DA_2	13252-13-6	2.40	285.0 / 184.9	2078451		24.466	0.697	0.685	Pass	122.3
58	ADONA	919005-14-4	2.95	376.9 / 251.0	7313974		28.652	0.788	0.884	Pass	151.6
59	ADONA_2	919005-14-4	2.96	376.9 / 84.8	5763299		22.443	0.788	0.884	Pass	118.8
60	9Cl-PF3ONS	756426-58-1	4.43	530.8 / 351.1	8188618		22.505	0.320	0.325	Pass	120.4
61	9Cl-PF3ONS_2	756426-58-1	4.43	532.8 / 353.0	2623219		22.107	0.320	0.325	Pass	118.2
62	11Cl-PF3OUdS	763051-92-9	5.19	630.9 / 451.0	5559951		23.232	0.331	0.338	Pass	122.9
63	11Cl-PF3OUdS_2	763051-92-9	5.19	632.9 / 452.9	1838283		21.893	0.331	0.338	Pass	115.8
64	3:3FTCA	356-02-5	1.73	241.1 / 177.1	343001		30.139	1.294	1.433	Pass	120.6
65	3:3FTCA_2	356-02-5	1.74	241.1 / 117.0	443725		25.352	1.294	1.433	Pass	101.4
66	5:3FTCA	914637-49-3	3.23	341.1 / 237.1	9906816		146.036	0.881	0.935	Pass	116.8
67	5:3FTCA_2	914637-49-3	3.23	341.1 / 217.0	8727439		138.999	0.881	0.935	Pass	111.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.16	441.1 / 316.9	6194685		138.471	1.653	1.712	Pass	110.8
69	7:3FTCA_2	812-70-4	4.16	441.1 / 337.1	10240928		152.614	1.653	1.712	Pass	122.1
70	PFEESA	113507-82-7	2.49	315.1 / 135.0	5484717		9.690	0.100	0.084	Pass	108.6
71	PFEESA_2	113507-82-7	2.49	315.1 / 82.9	550844		11.419	0.100	0.084	Pass	128.0
72	PFMPA	377-73-1	0.82	229.0 / 85.0	2751119		10.127	N/A	N/A	N/A	101.3
73	PFMBA	863090-89-5	1.62	279.0 / 85.0	2976883		10.235	N/A	N/A	N/A	102.4
74	NFDHA	151772-58-6	2.05	295.0 / 201.0	1271623		13.005	0.723	0.781	Pass	130.1
75	NFDHA_2	151772-58-6	2.05	295.0 / 84.9	918779		12.233	0.723	0.781	Pass	122.3
76	TDCA	516-50-7	2.93	499.1 / 124.1	3923928		11.129	5.059	5.150	Pass	111.3
77	TDCA_2	516-50-7	2.93	499.1 / 79.9	19849583		10.714	5.059	5.150	Pass	107.1
78	13C2D4-4:2FTS	Surr	1.91	333.2 / 312.1	171963		4.666	N/A	N/A	N/A	93.3
79	13C2-PFOA	Surr	3.22	415.0 / 370.0	462561		2.610	N/A	N/A	N/A	104.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.64	217.0 / 172.0	2404192		9.930	NA	NA	NA	99.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.32	268.0 / 223.0	1160983		5.034	NA	NA	NA	100.7
	13C5-PFHxA	EIS	2.13	318.0 / 273.0	468468		2.364	NA	NA	NA	94.5
	13C4-PFHpA	EIS	2.78	367.0 / 322.0	311030		2.285	NA	NA	NA	91.4
	13C8-PFOA	EIS	3.22	420.8 / 376.0	1031722		2.038	NA	NA	NA	81.5
	13C9-PFNA	EIS	3.63	472.0 / 427.0	415293		1.241	NA	NA	NA	99.3
	13C6-PFDA	EIS	4.02	519.0 / 474.0	423503		1.259	NA	NA	NA	100.7
	13C7-PFUnA	EIS	4.40	570.0 / 525.0	346738		1.194	NA	NA	NA	95.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.77	615.1 / 570.0	289089		1.195	NA	NA	NA	95.6
	13C2-PFTeDA	EIS	5.50	715.1 / 670.1	229081		1.058	NA	NA	NA	84.6
	13C3-PFBS	EIS	2.12	302.1 / 80.1	472306		2.427	NA	NA	NA	104.2
	13C3-PFHxS	EIS	3.32	402.1 / 80.1	410163		2.432	NA	NA	NA	102.6
	13C8-PFOS	EIS	4.15	507.1 / 80.1	407212		2.527	NA	NA	NA	105.3
	13C2-4:2FTS	EIS	1.91	329.1 / 81.1	143319		4.438	NA	NA	NA	94.6
	13C2-6:2FTS	EIS	3.06	429.2 / 81.1	124084		4.158	NA	NA	NA	87.4
	13C2-8:2FTS	EIS	3.84	529.2 / 81.1	122707		4.576	NA	NA	NA	95.3

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.26	506.1 / 78.1	759386		2.956	NA	NA	NA	118.2
d3-NMeFOSA	EIS	5.97	515.2 / 219.0	106166		2.810	NA	NA	NA	112.4
d5-NEtFOSA	EIS	6.25	531.2 / 219.0	109020		3.096	NA	NA	NA	123.8
d3-NMeFOSAA	EIS	4.12	573.2 / 419.1	195451		4.916	NA	NA	NA	98.3
d5-NEtFOSAA	EIS	4.31	589.3 / 419.1	198522		5.191	NA	NA	NA	103.8
d7-NMeFOSE	EIS	5.83	623.2 / 58.9	1143469		25.604	NA	NA	NA	102.4
d9-NEtFOSE	EIS	6.11	639.2 / 58.9	1682320		25.996	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	2.39	287.0 / 169.0	1405153		9.730	NA	NA	NA	97.3
	13C3-PFBA	NIS	0.64	216.0 / 172.0	1077026		5.444	NA	NA	NA	108.9
	13C2-PFHxA	NIS	2.13	315.0 / 270.0	692972		2.636	NA	NA	NA	105.4
	13C4-PFOA	NIS	3.22	417.0 / 372.0	498381		2.876	NA	NA	NA	115.1
	13C5-PFNA	NIS	3.62	468.0 / 423.0	377489		1.213	NA	NA	NA	97.1
	13C2-PFDA	NIS	4.01	515.1 / 470.1	391213		1.235	NA	NA	NA	98.8
	18O2-PFHxS	NIS	3.32	403.1 / 84.1	341660		2.417	NA	NA	NA	102.0
	13C4-PFOS	NIS	4.15	503.1 / 80.1	279851		2.261	NA	NA	NA	94.2

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

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PFBA
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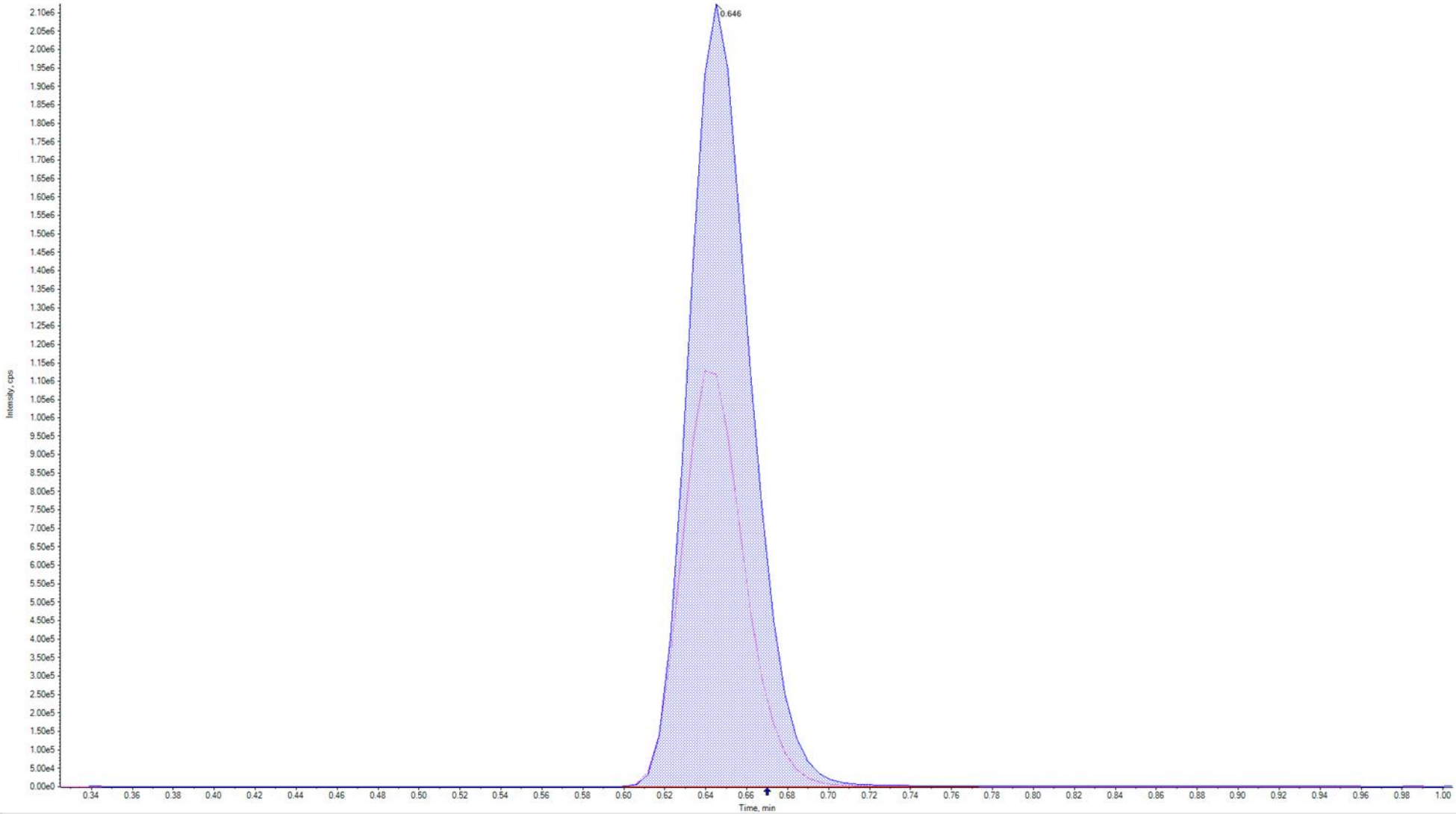

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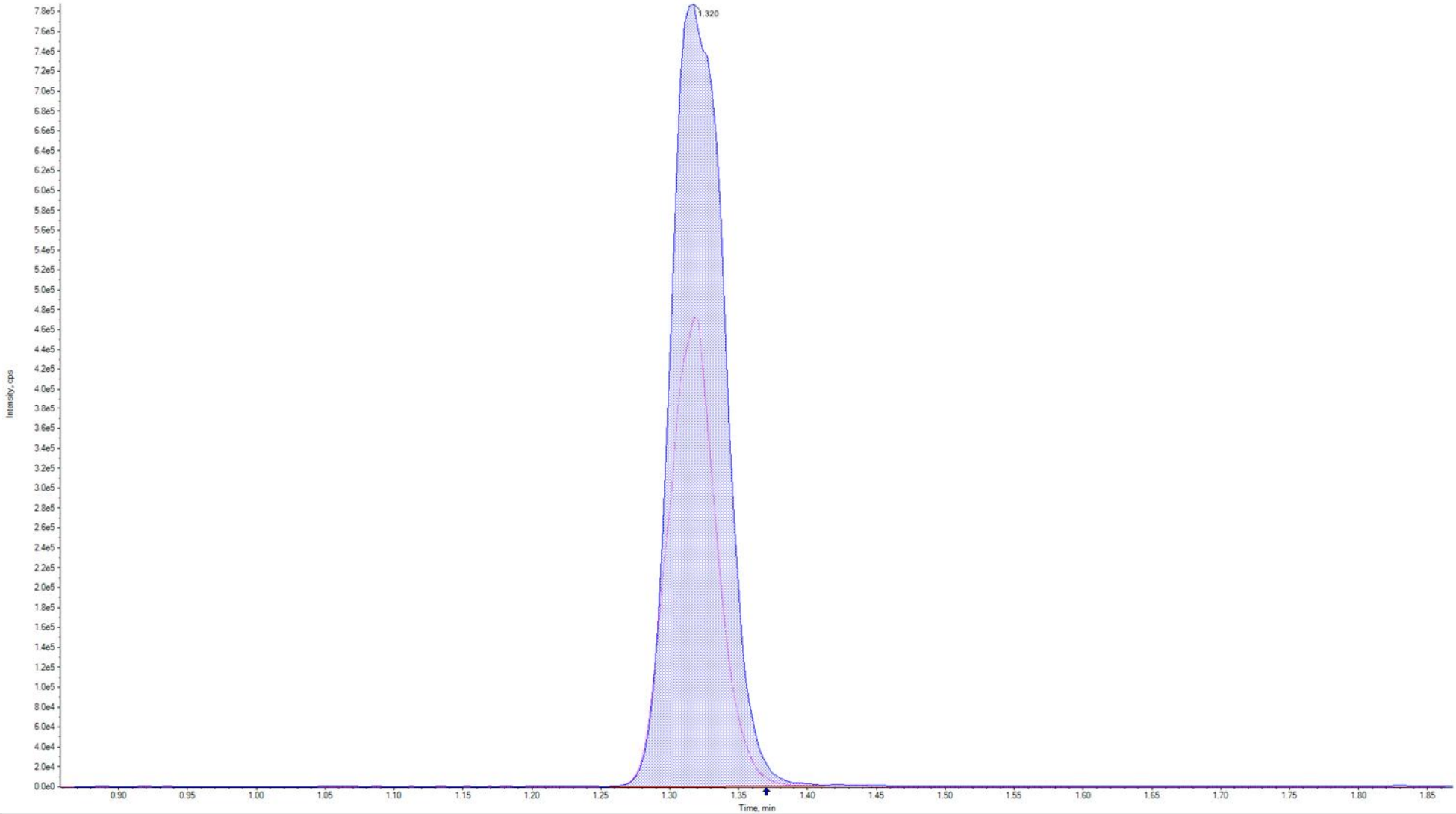
PFPeA
Sample: WG2011094-13,1633FMED S/N:6221.1 Points Across peak:56



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PFPeA_2
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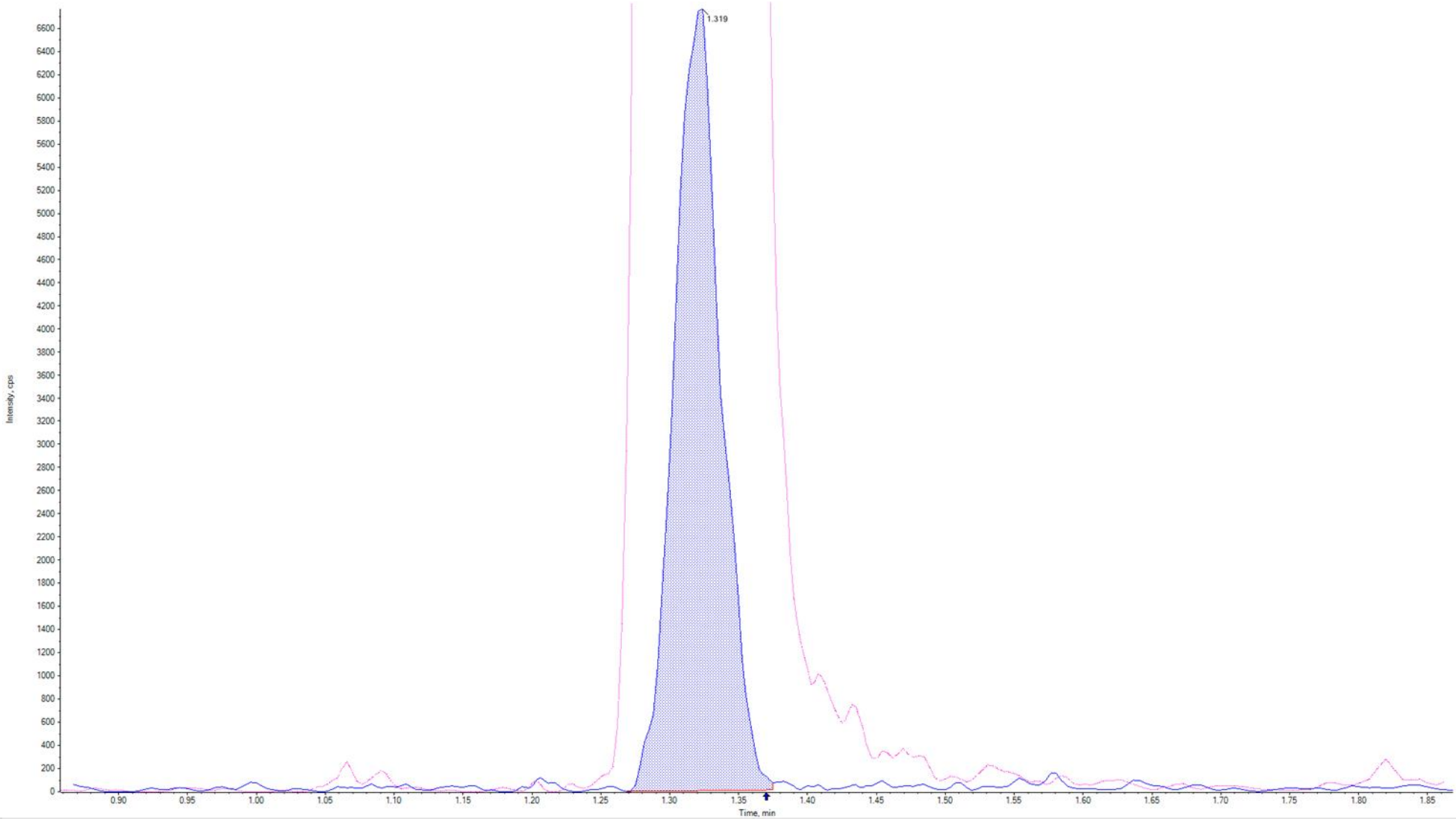

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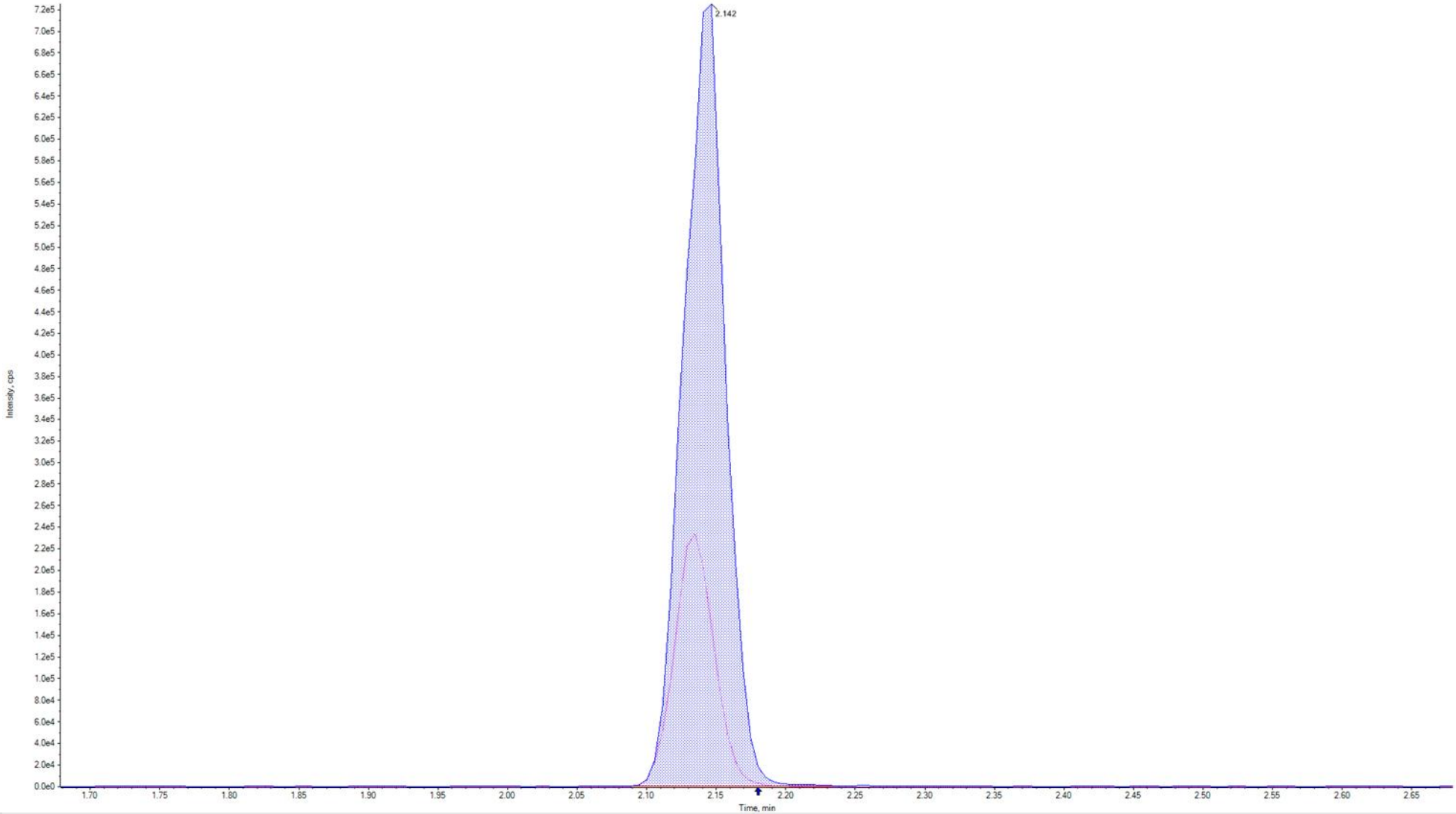
PFHxA
Sample: WG2011094-13,1633FMED S/N:4440.3 Points Across peak:33



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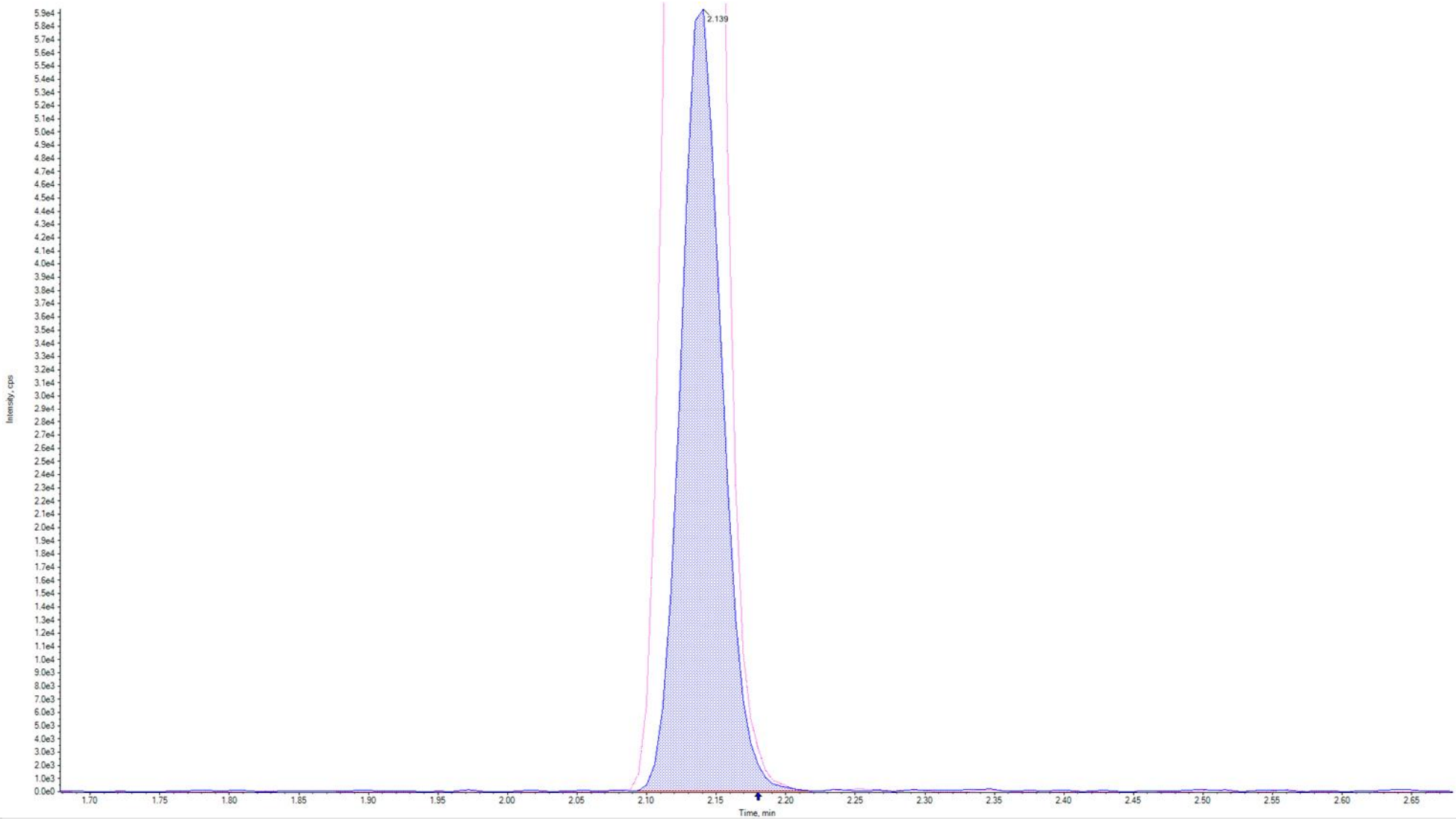
PFHxA_2
Sample: WG2011094-13,1633FMED S/N:1485.2 Points Across peak:25



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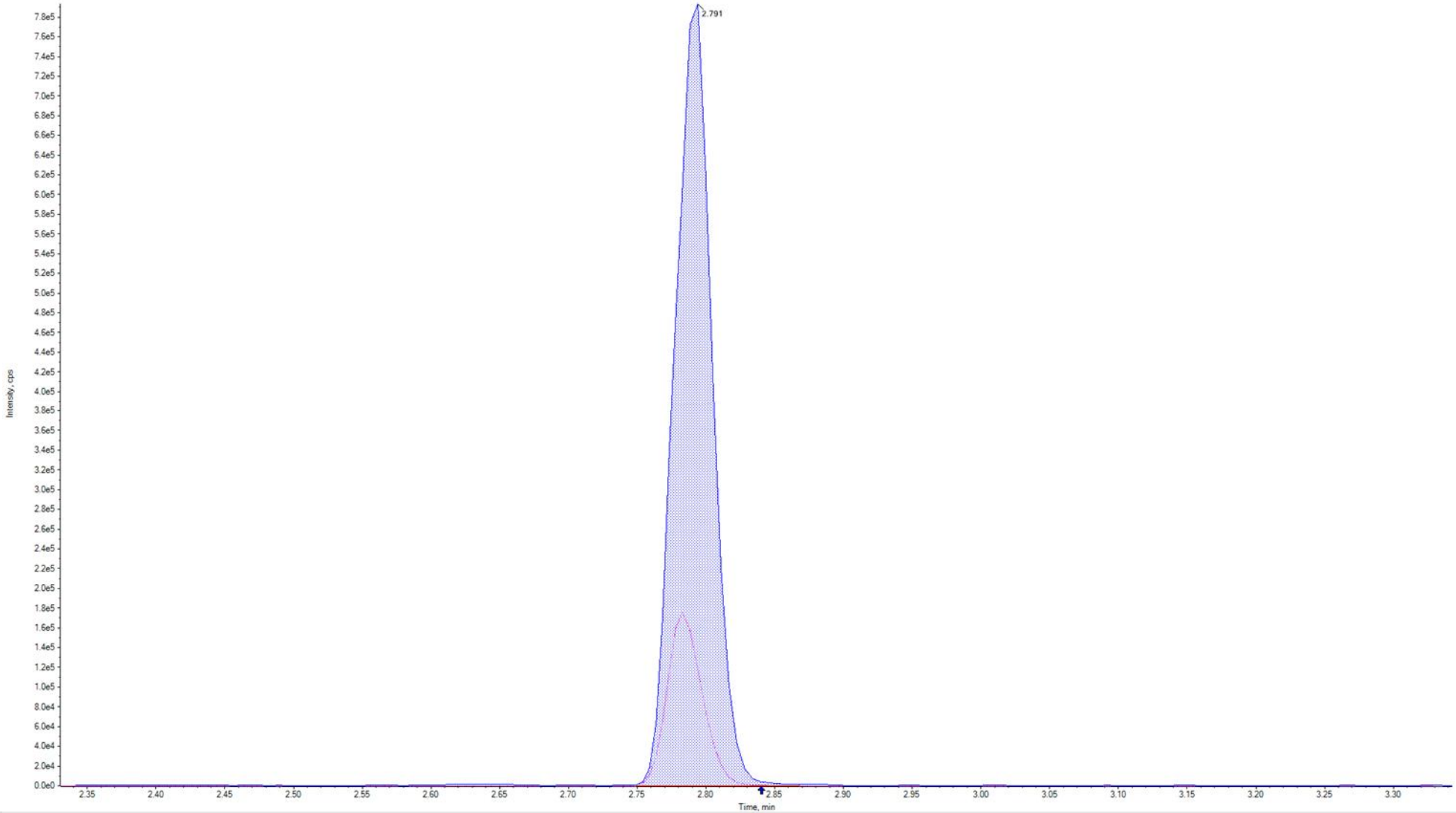
PFHpA
Sample: WG2011094-13,1633FMED S/N:6643.8 Points Across peak:24



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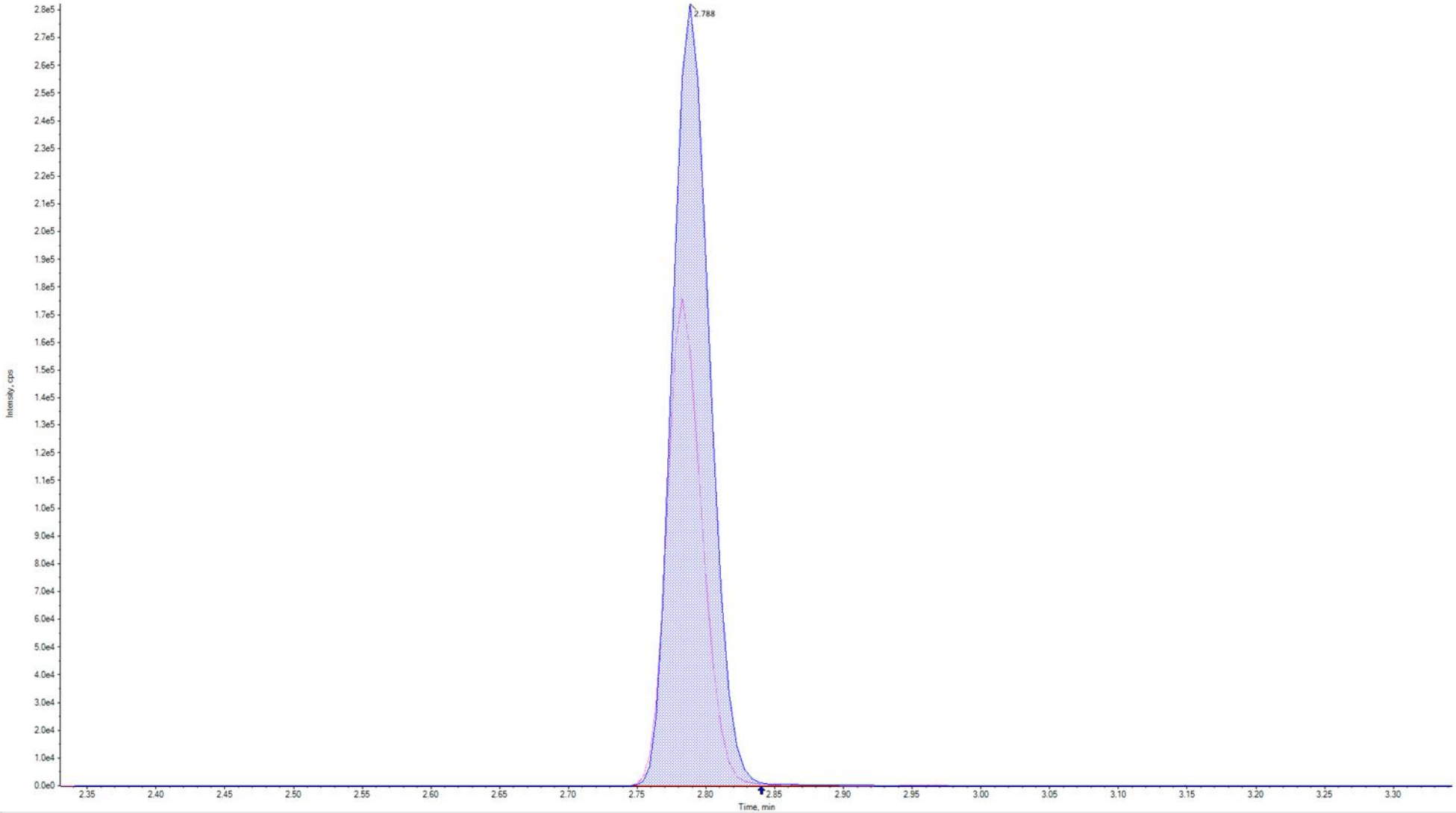
PFHpA_2
Sample: WG2011094-13,1633FMED S/N:5658.1 Points Across peak:33



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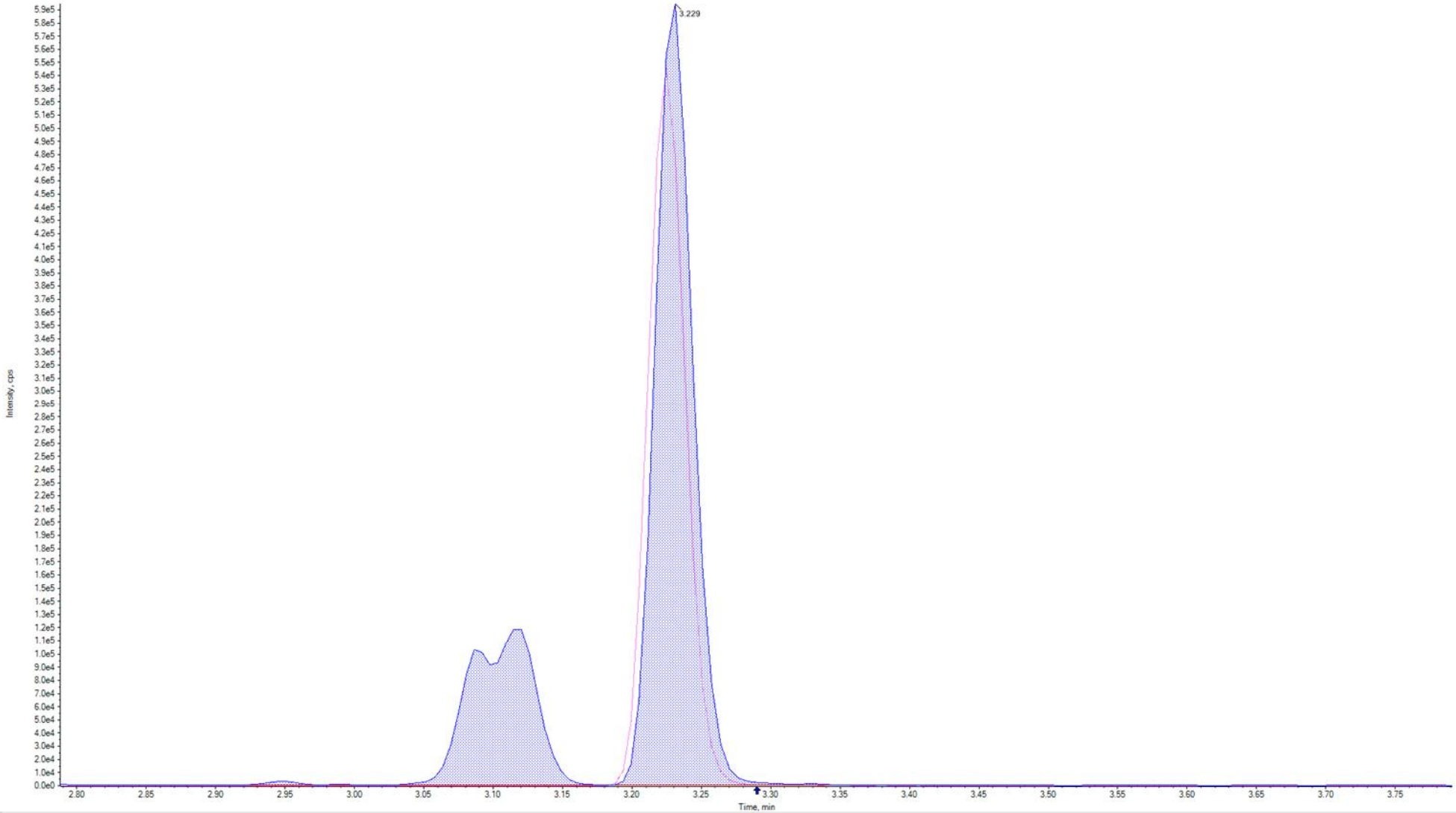
PFOA
Sample: WG2011094-13,1633FMED S/N:597.9 Points Across peak:74



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PFOA_2
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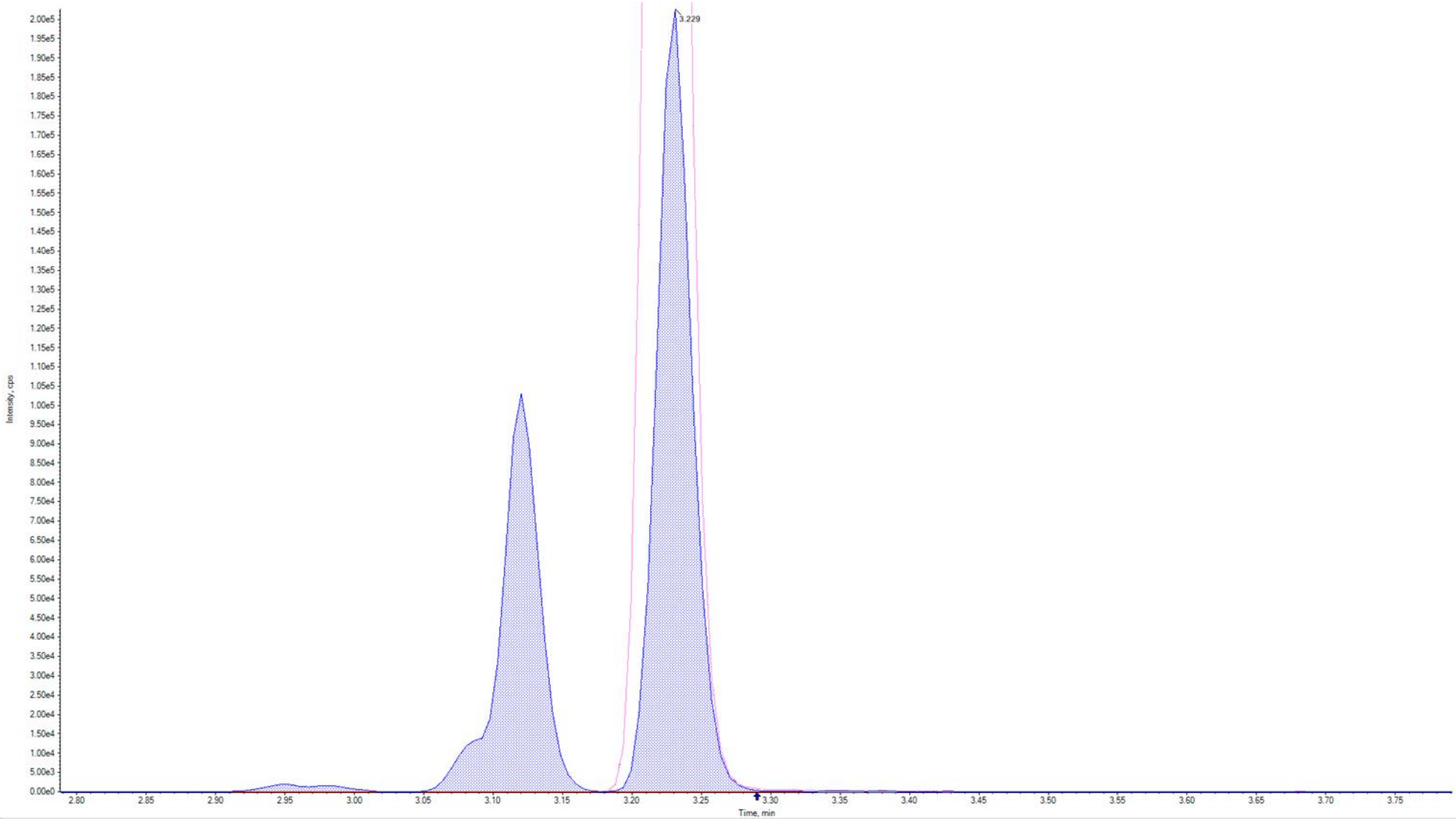

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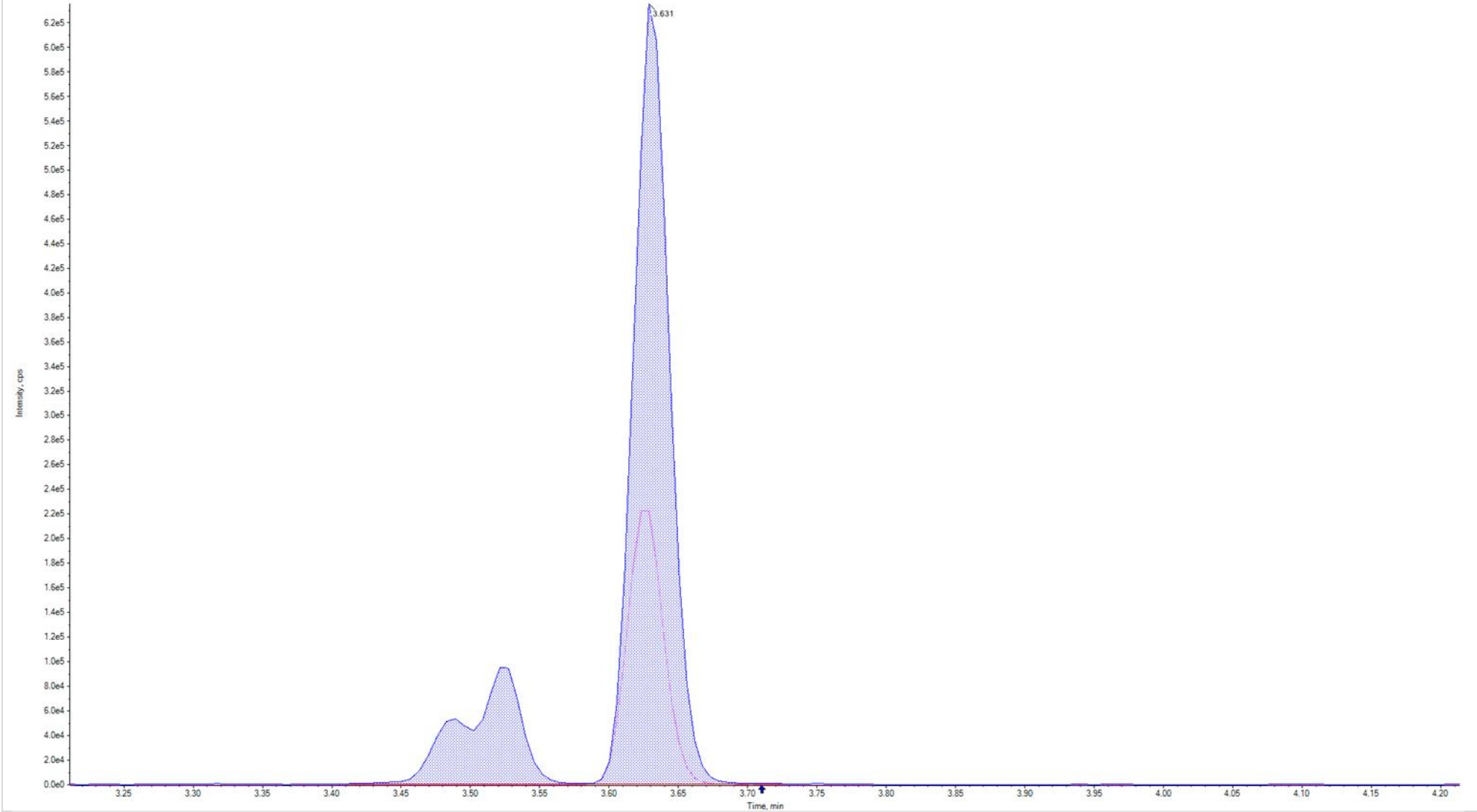
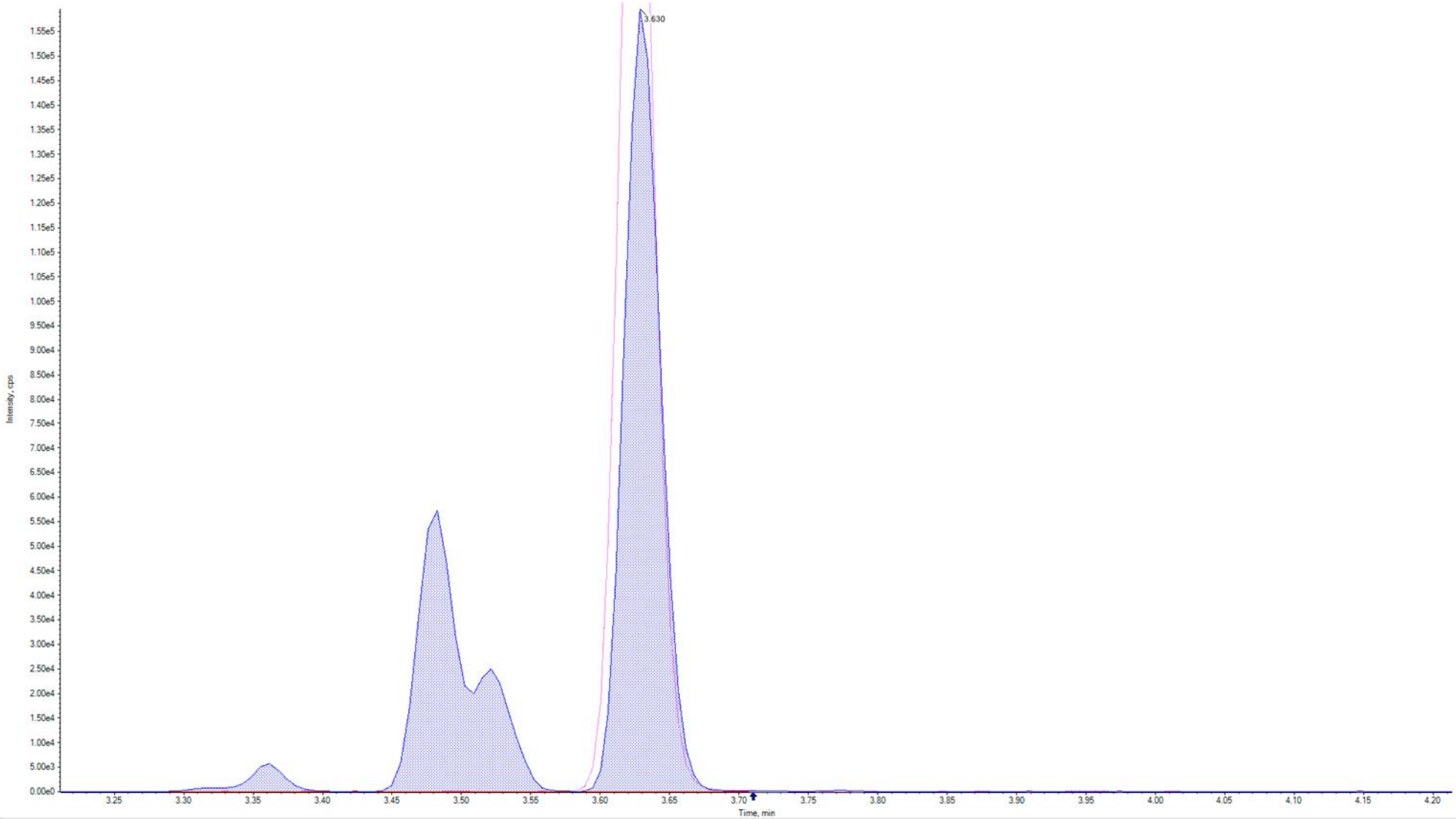
PFNA
Sample: WG2011094-13,1633FMED S/N:828.6 Points Across peak:56



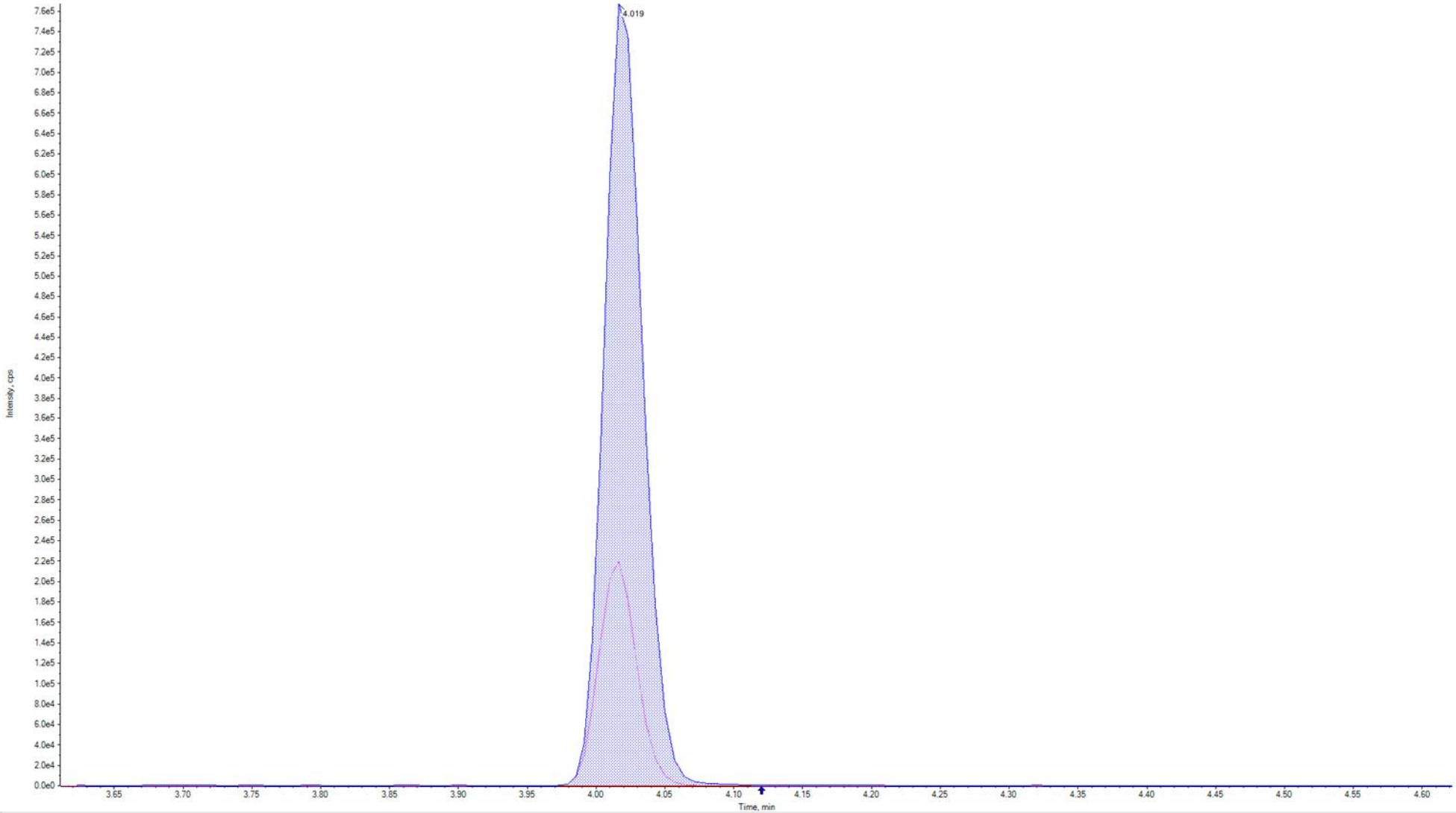
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFNA_2
Sample: WG2011094-13,1633FMED S/N:481.5 Points Across peak:72



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFDA
Sample: WG2011094-13,1633FMED S/N:10041.2 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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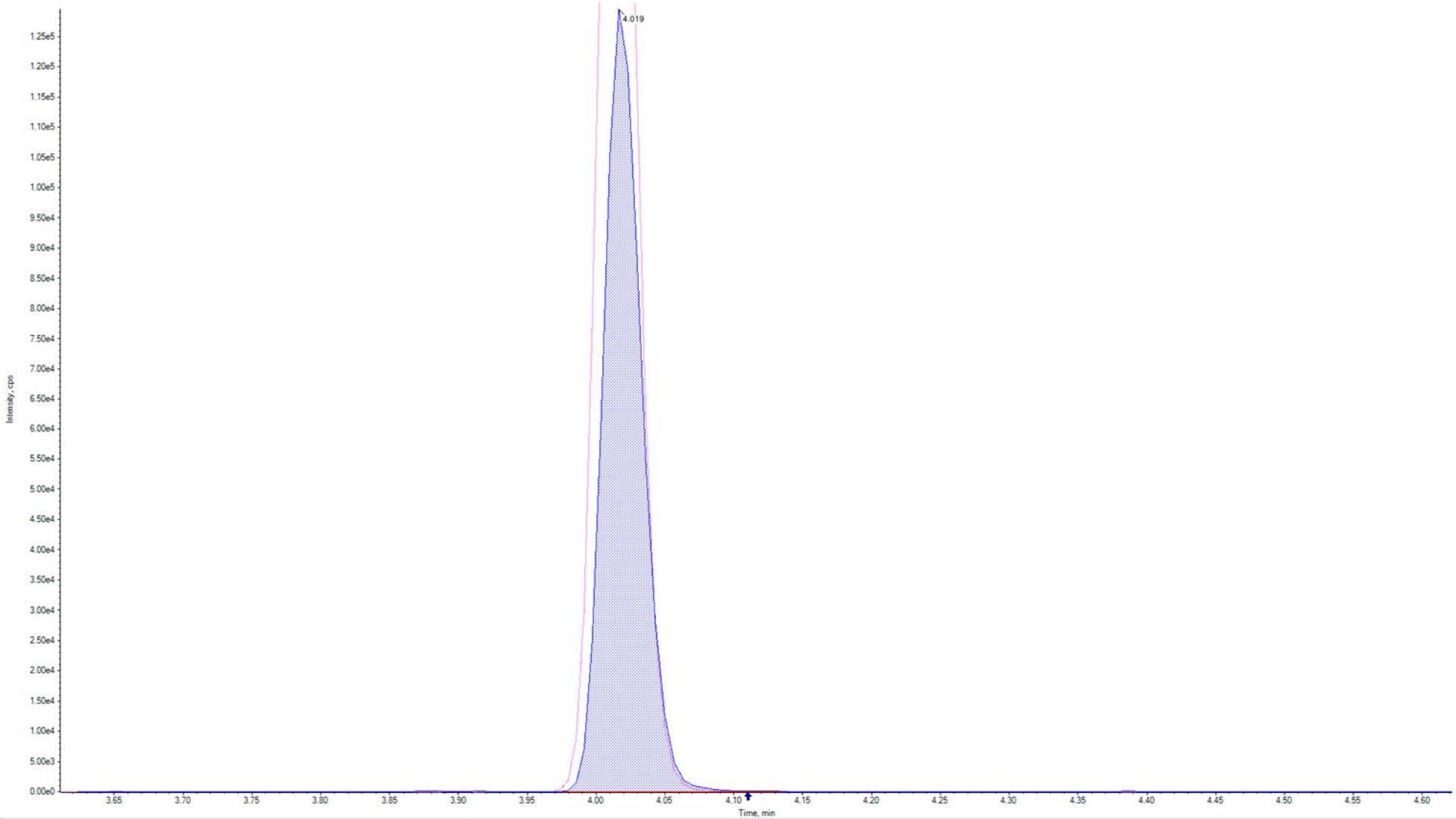
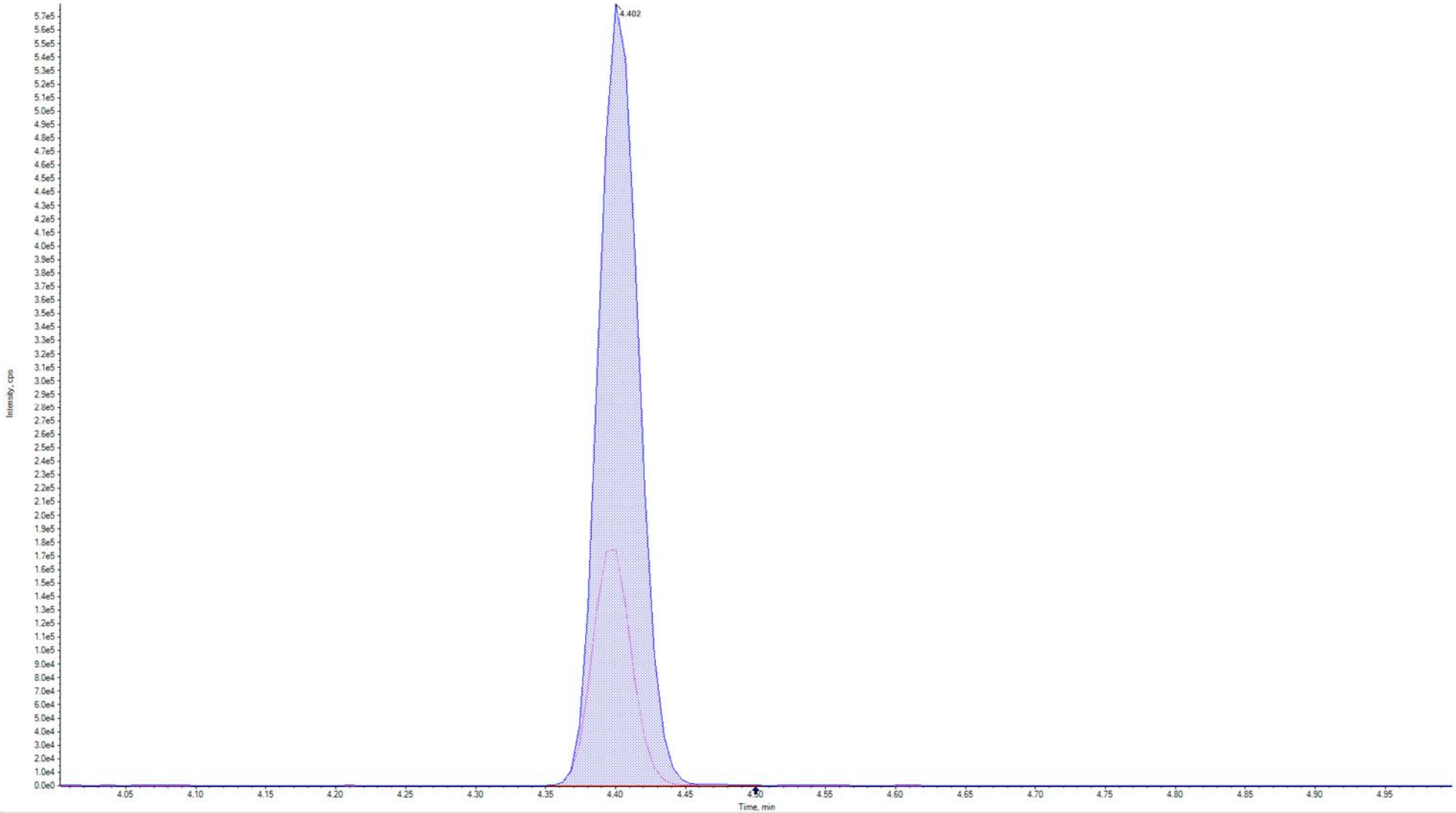
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFDA_2
Sample: WG2011094-13,1633FMED S/N:2597.7 Points Across peak:33



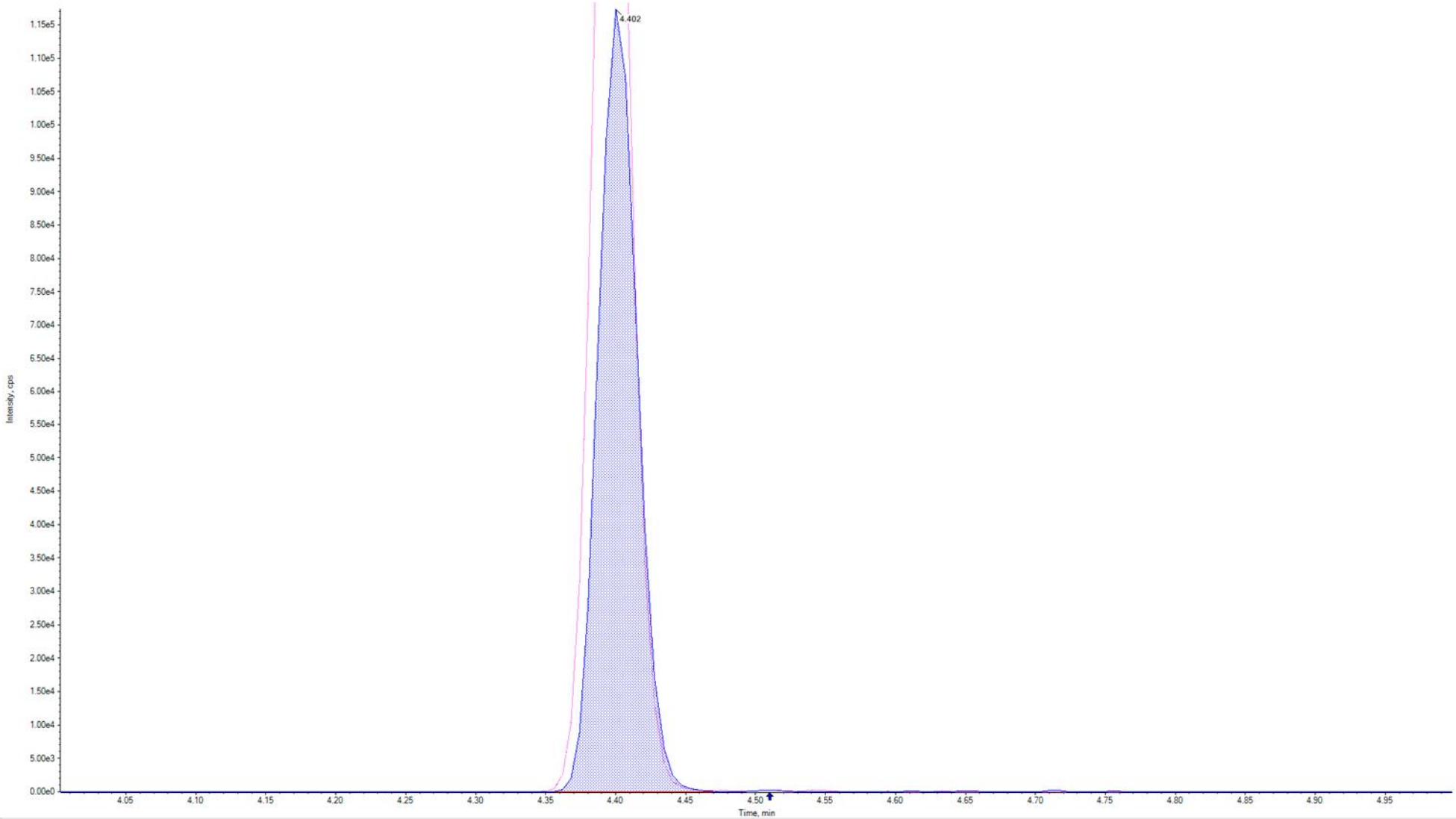
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFUnA
Sample: WG2011094-13,1633FMED S/N:12281.2 Points Across peak:26



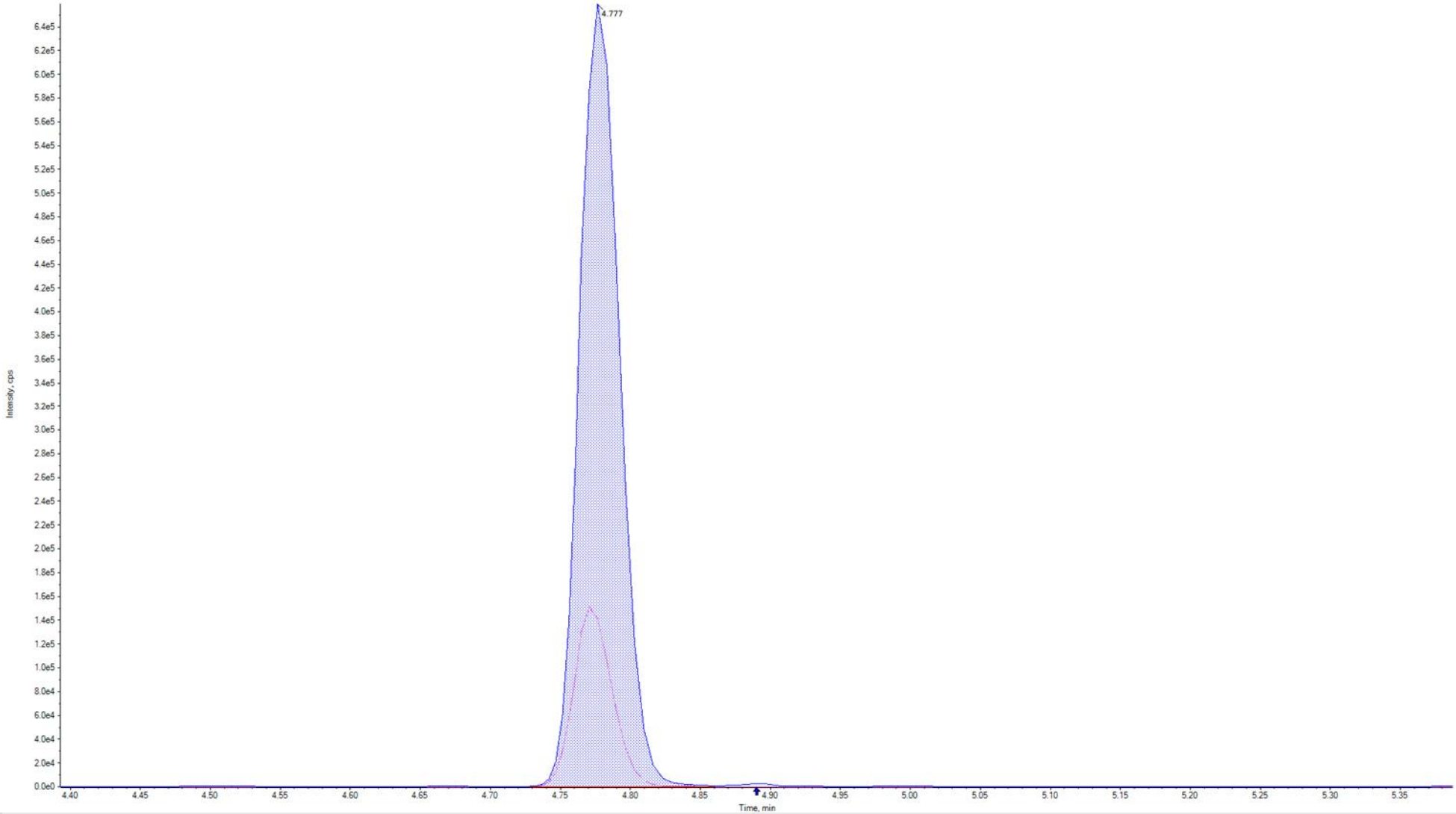
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFUnA_2
Sample: WG2011094-13,1633FMED S/N:2647.4 Points Across peak:26

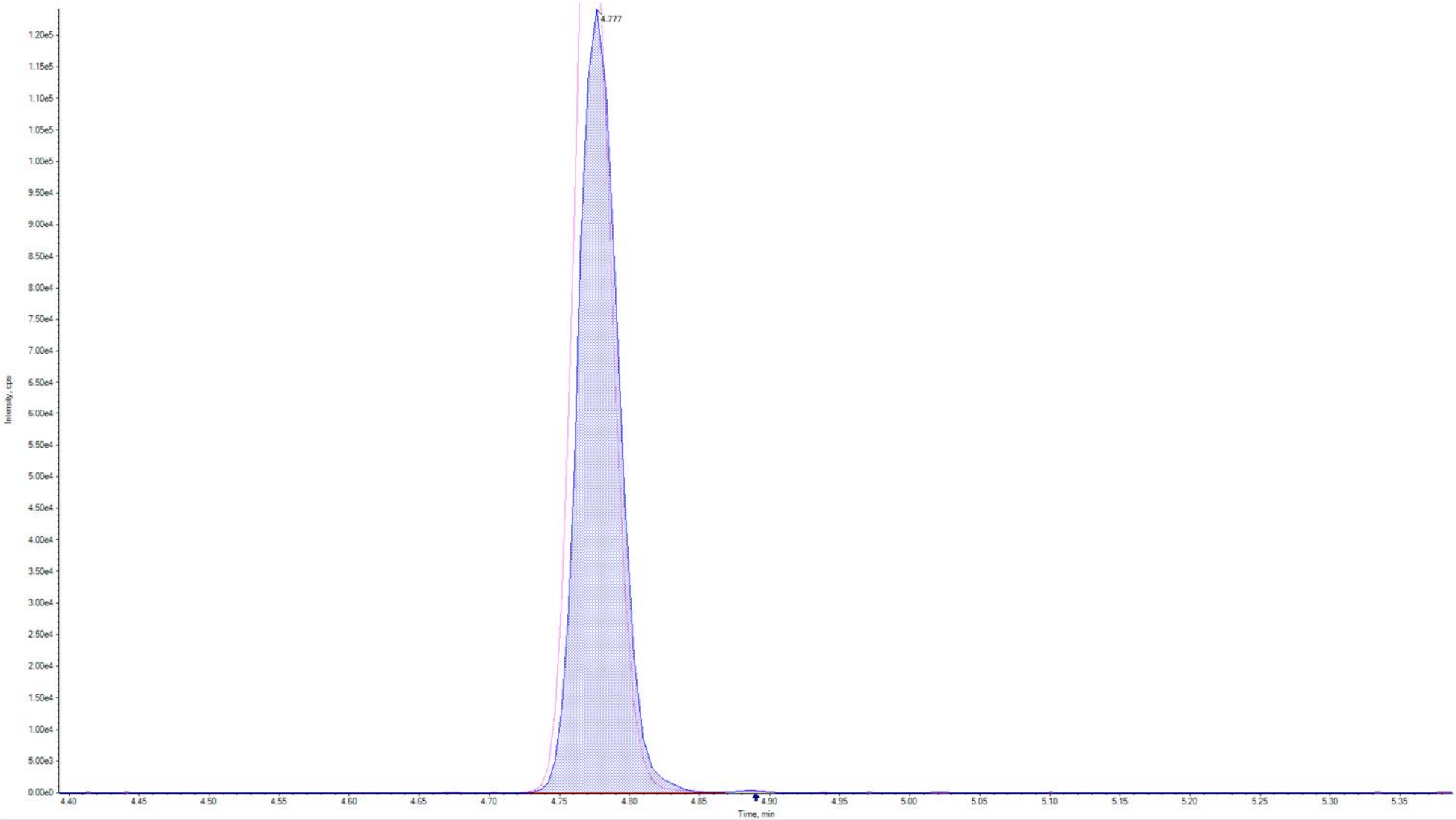


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFDoA
Sample: WG2011094-13,1633FMED S/N:6027.4 Points Across peak:26

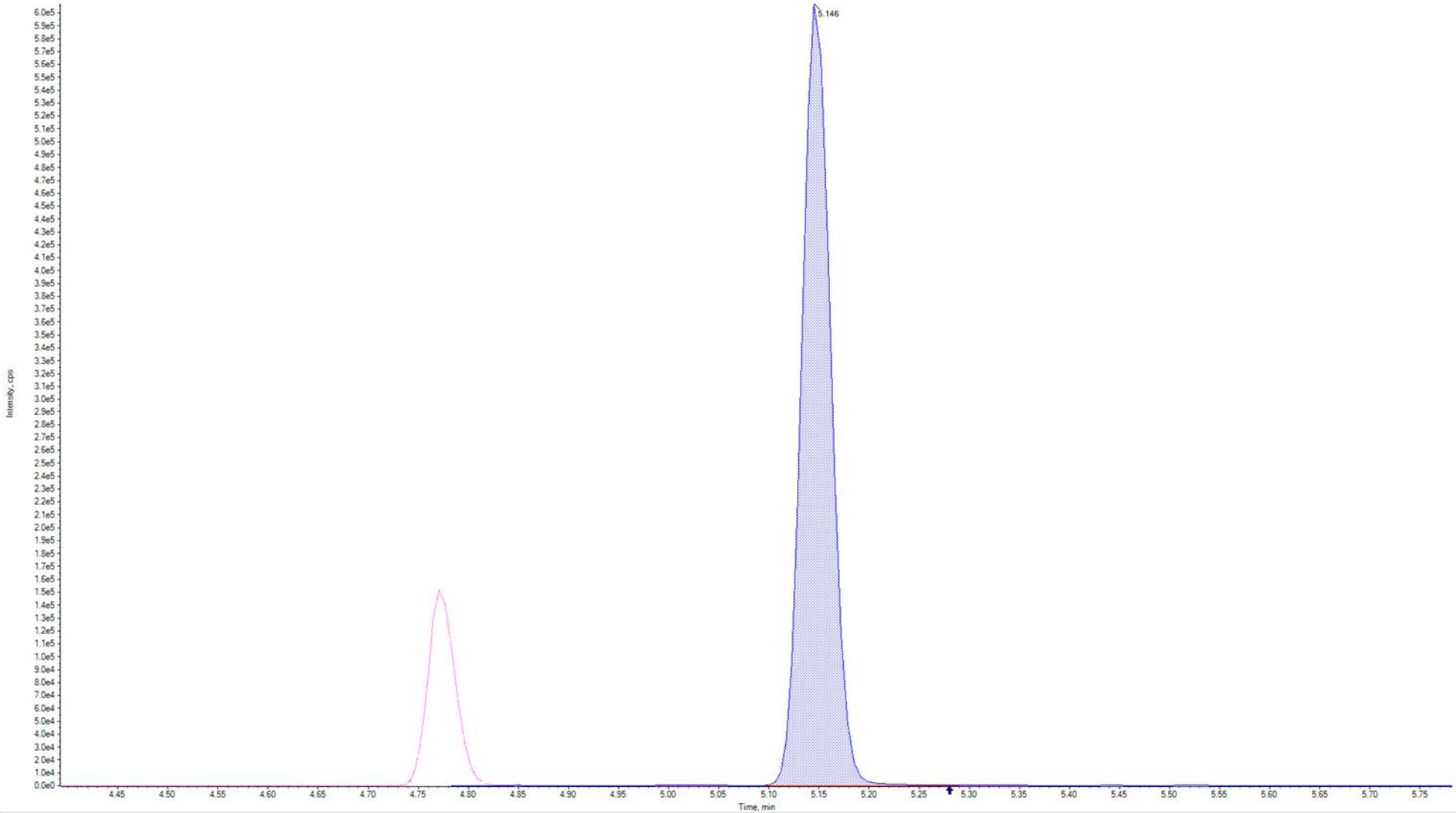


PFDoA_2
Sample: WG2011094-13,1633FMED S/N:3422.5 Points Across peak:25



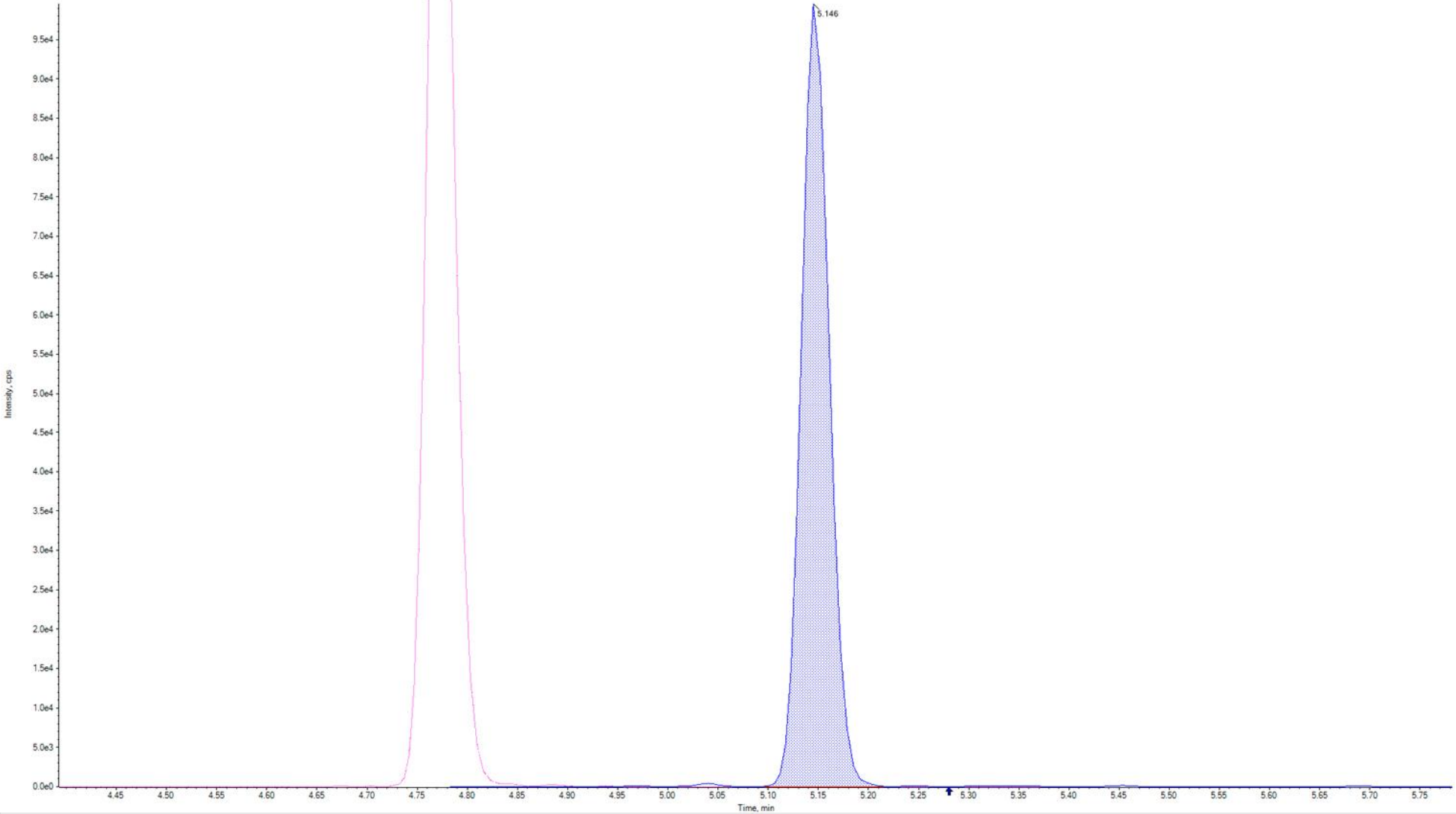
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFTrDA
Sample: WG2011094-13,1633FMED S/N:3141.2 Points Across peak:35



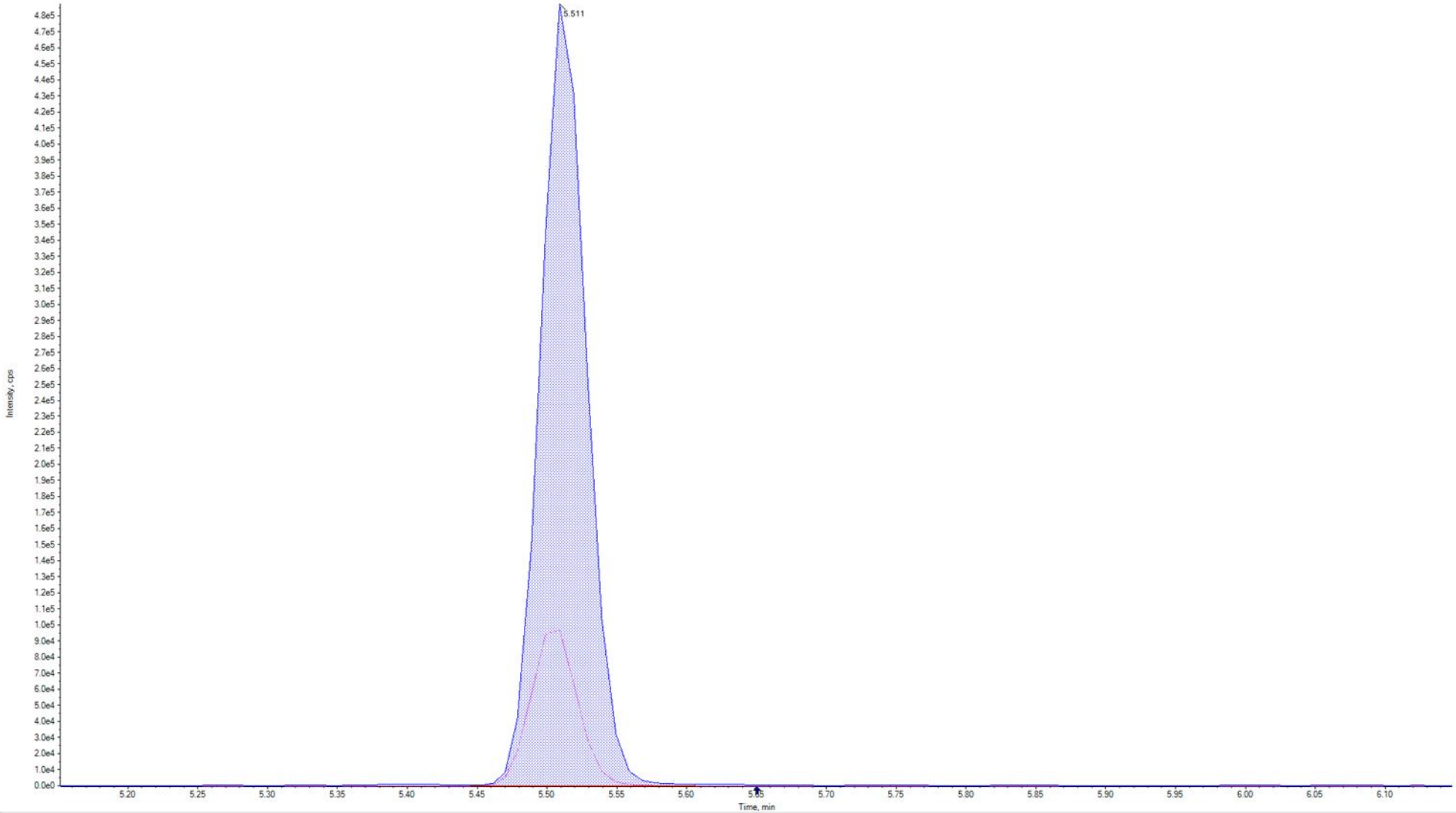
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFTrDA_2
Sample: WG2011094-13,1633FMED S/N:2297.5 Points Across peak:25



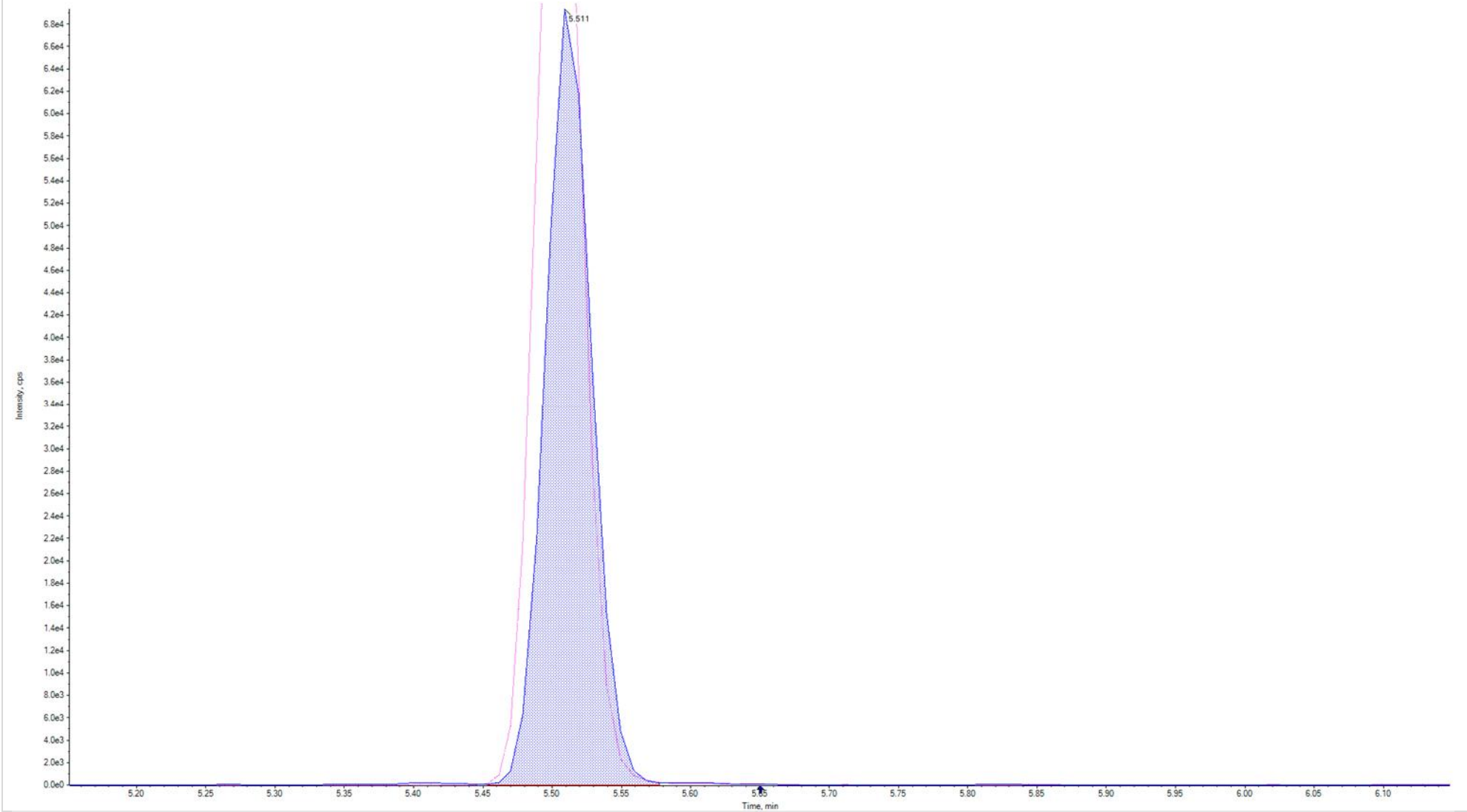
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFTeDA
Sample: WG2011094-13,1633FMED S/N:2233.9 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFTeDA_2
Sample: WG2011094-13,1633FMED S/N:1728.5 Points Across peak:14



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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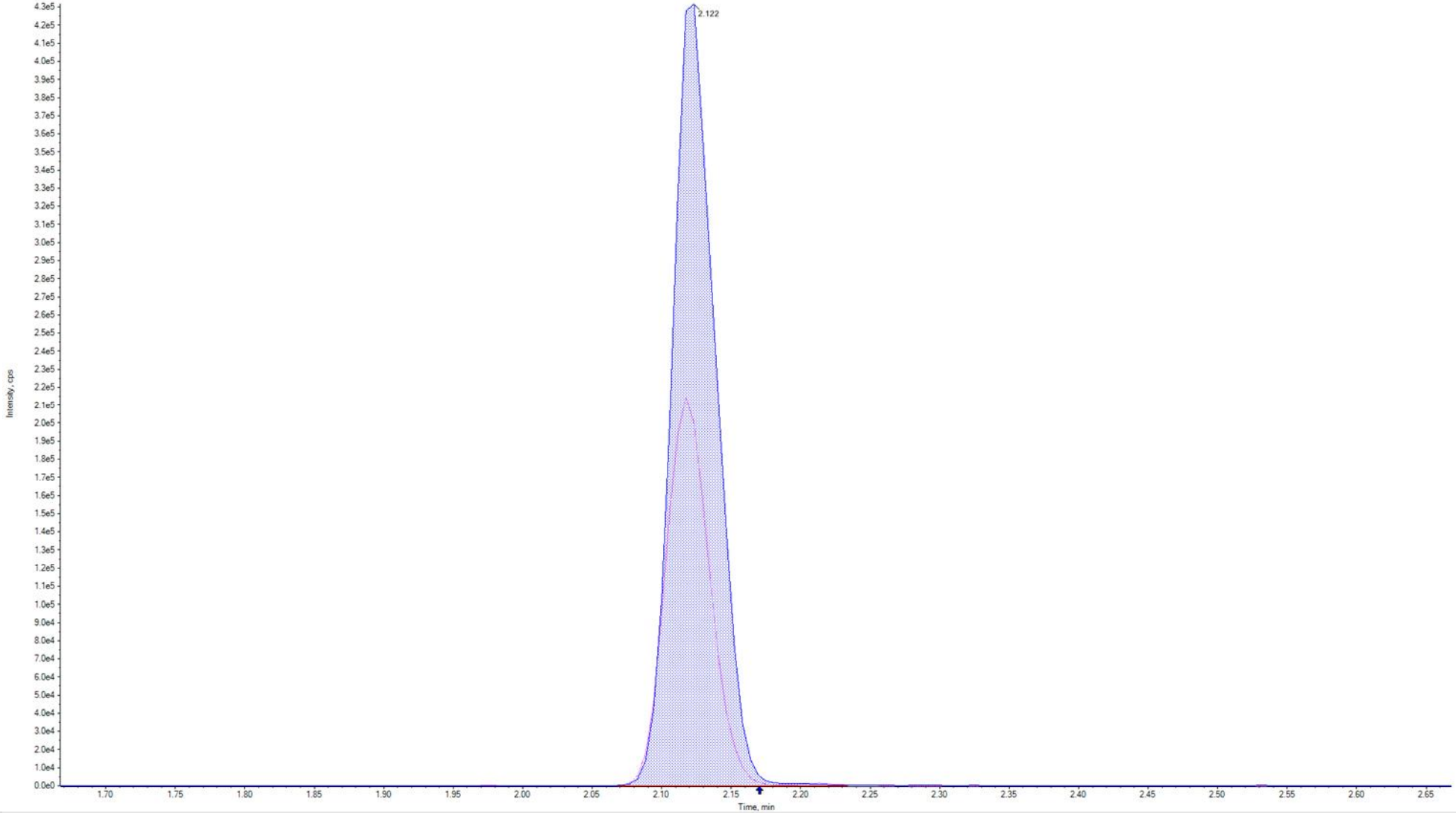
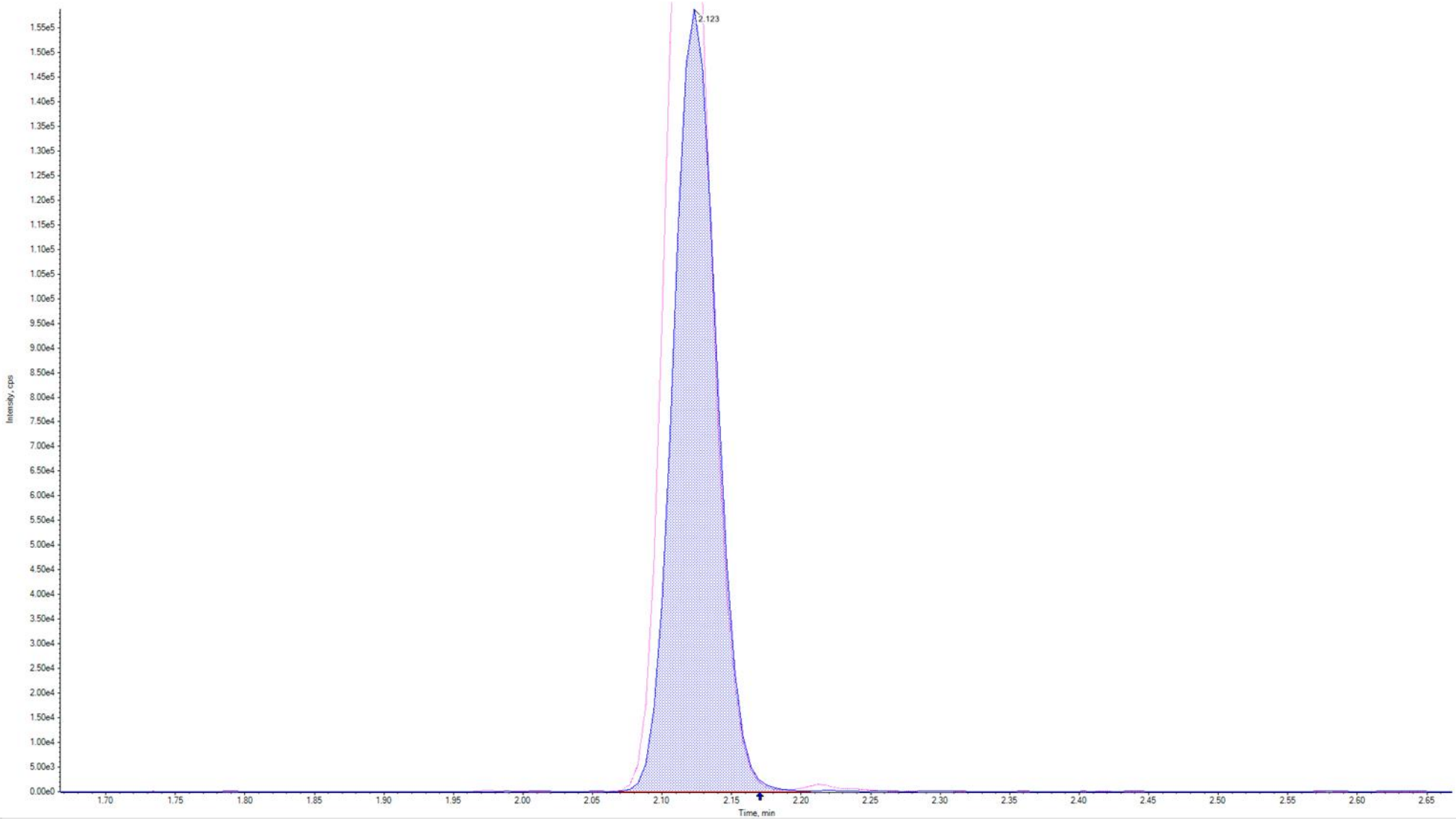
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFBS
Sample: WG2011094-13,1633FMED S/N:10820.3 Points Across peak:35



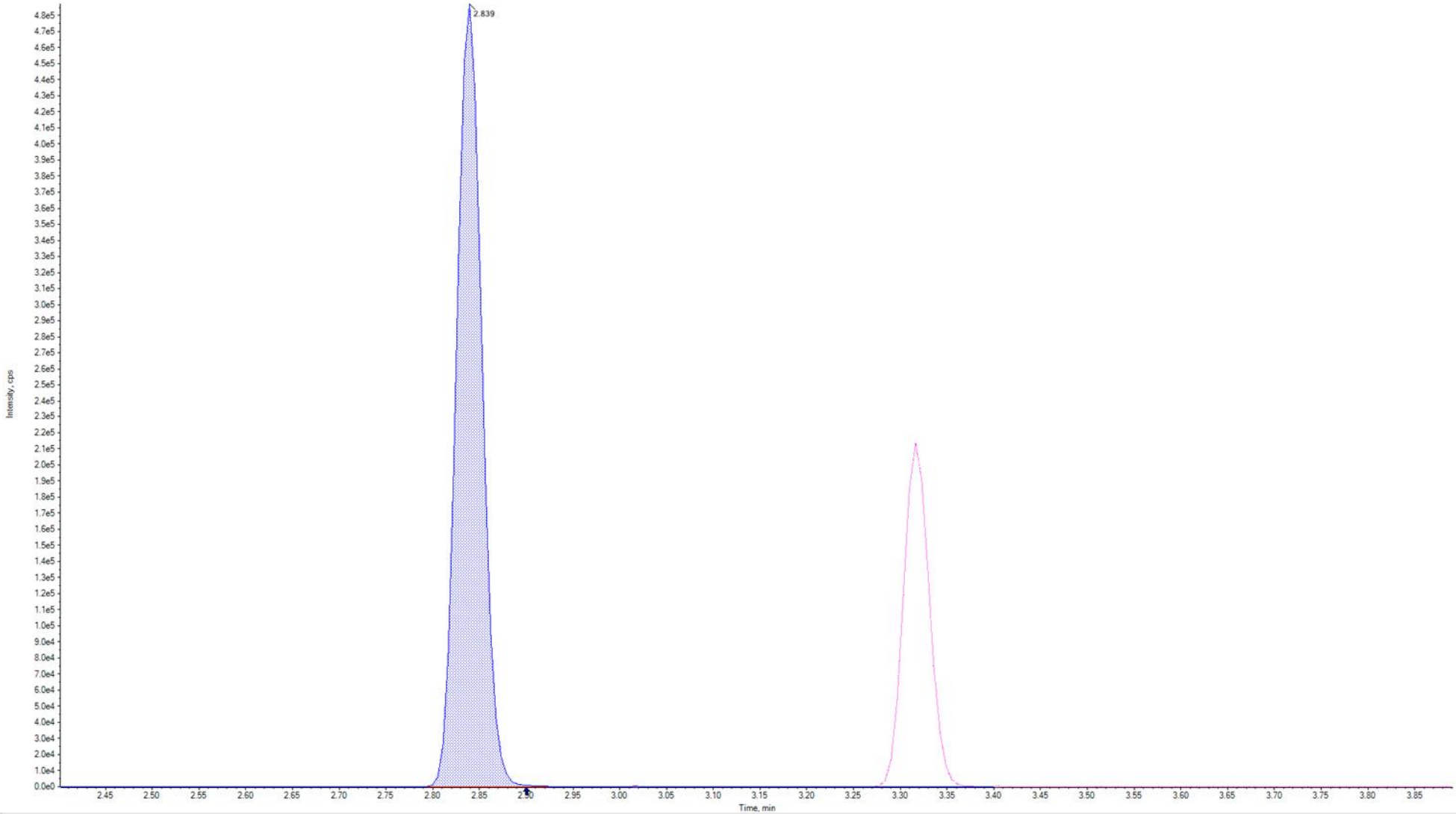
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFBS_2
Sample: WG2011094-13,1633FMED S/N:3977.6 Points Across peak:26



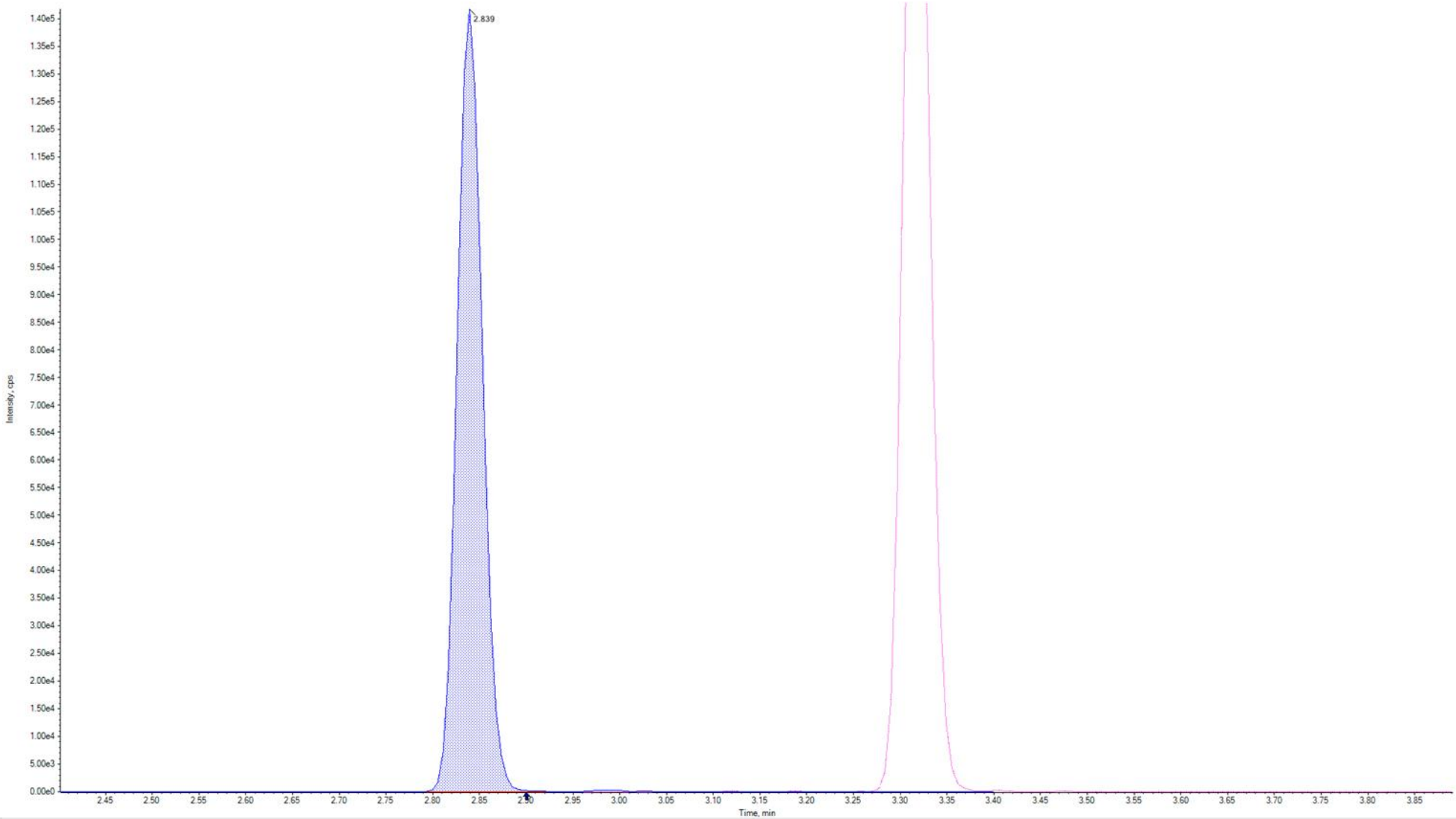
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFPeS
Sample: WG2011094-13,1633FMED S/N:6410.0 Points Across peak:26



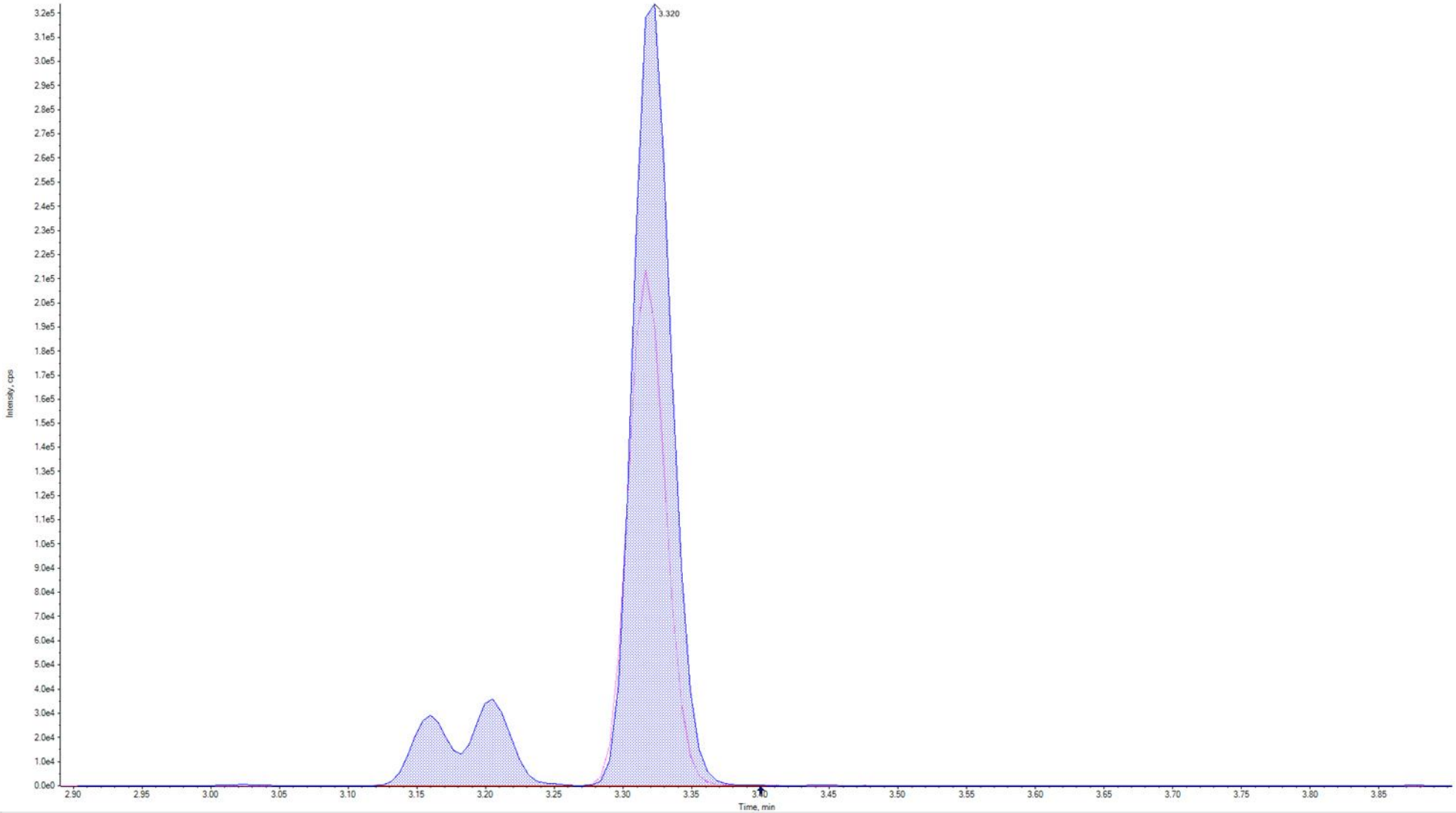
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFPeS_2
Sample: WG2011094-13,1633FMED S/N:2841.7 Points Across peak:30



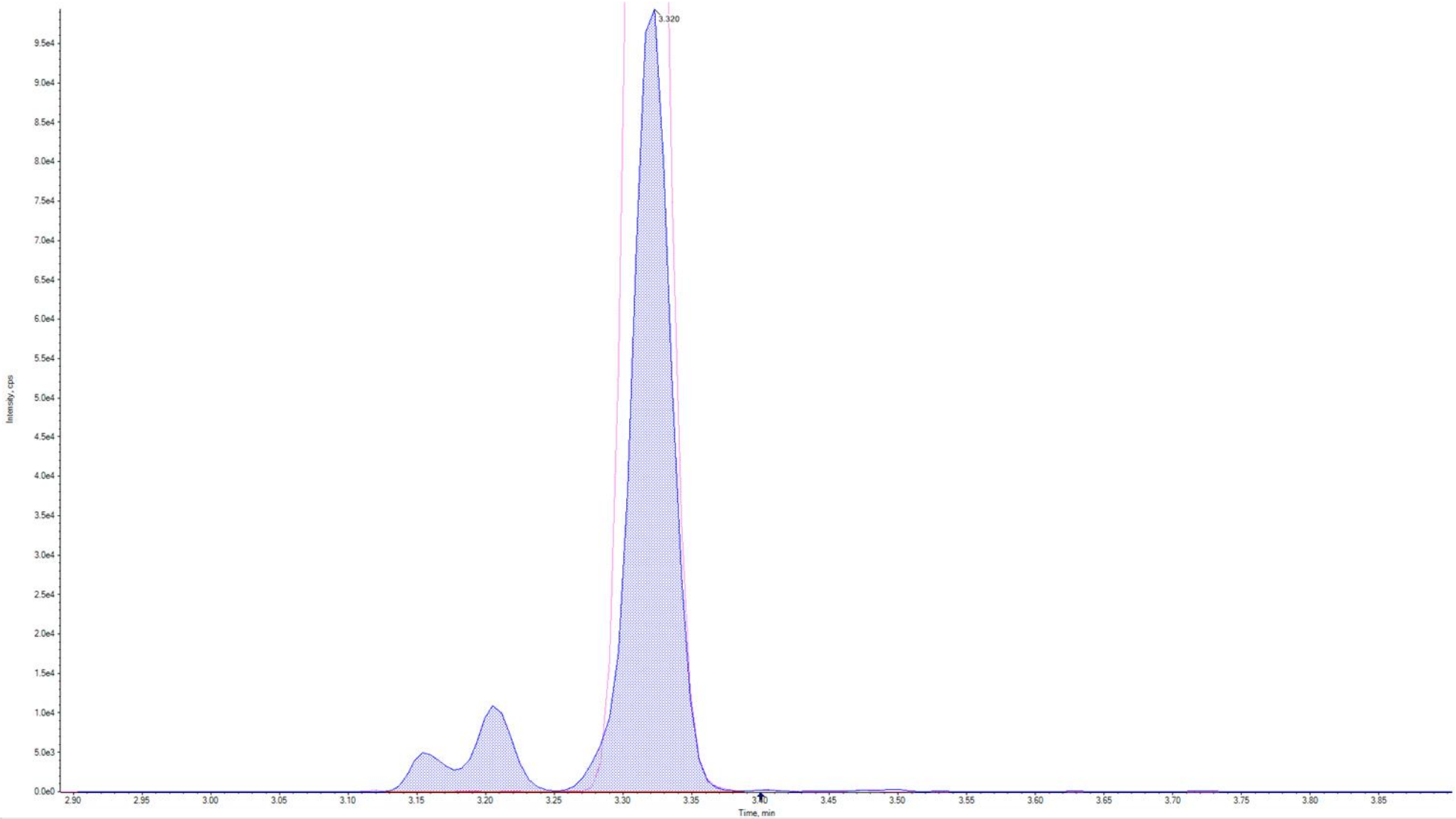
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFHxS
Sample: WG2011094-13,1633FMED S/N:1074.9 Points Across peak:51



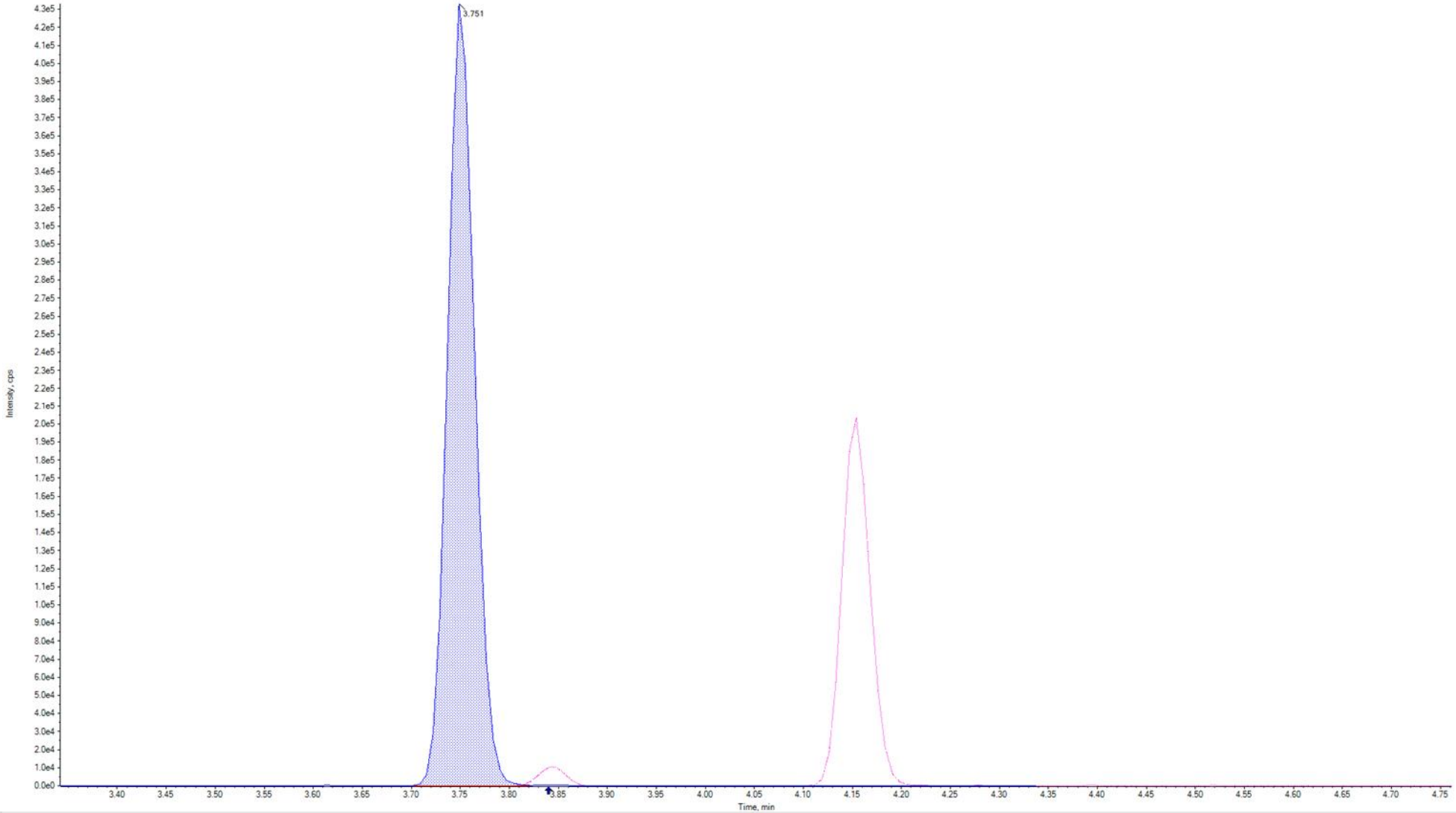
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFHxS_2
Sample: WG2011094-13,1633FMED S/N:789.3 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFHpS
Sample: WG2011094-13,1633FMED S/N:8680.7 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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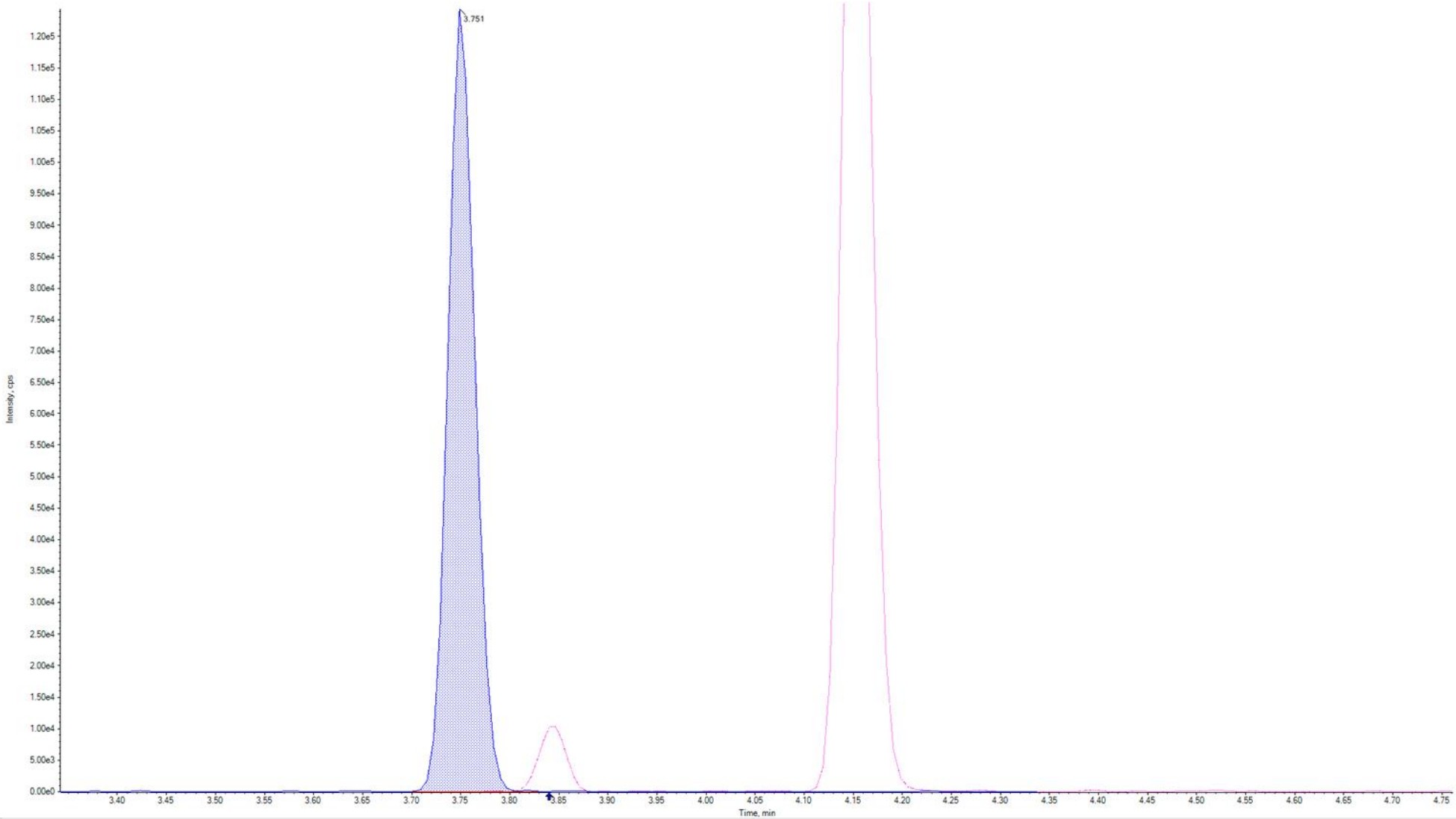
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFHpS_2
Sample: WG2011094-13,1633FMED S/N:2493.0 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/19/2024 9:43:26 PM
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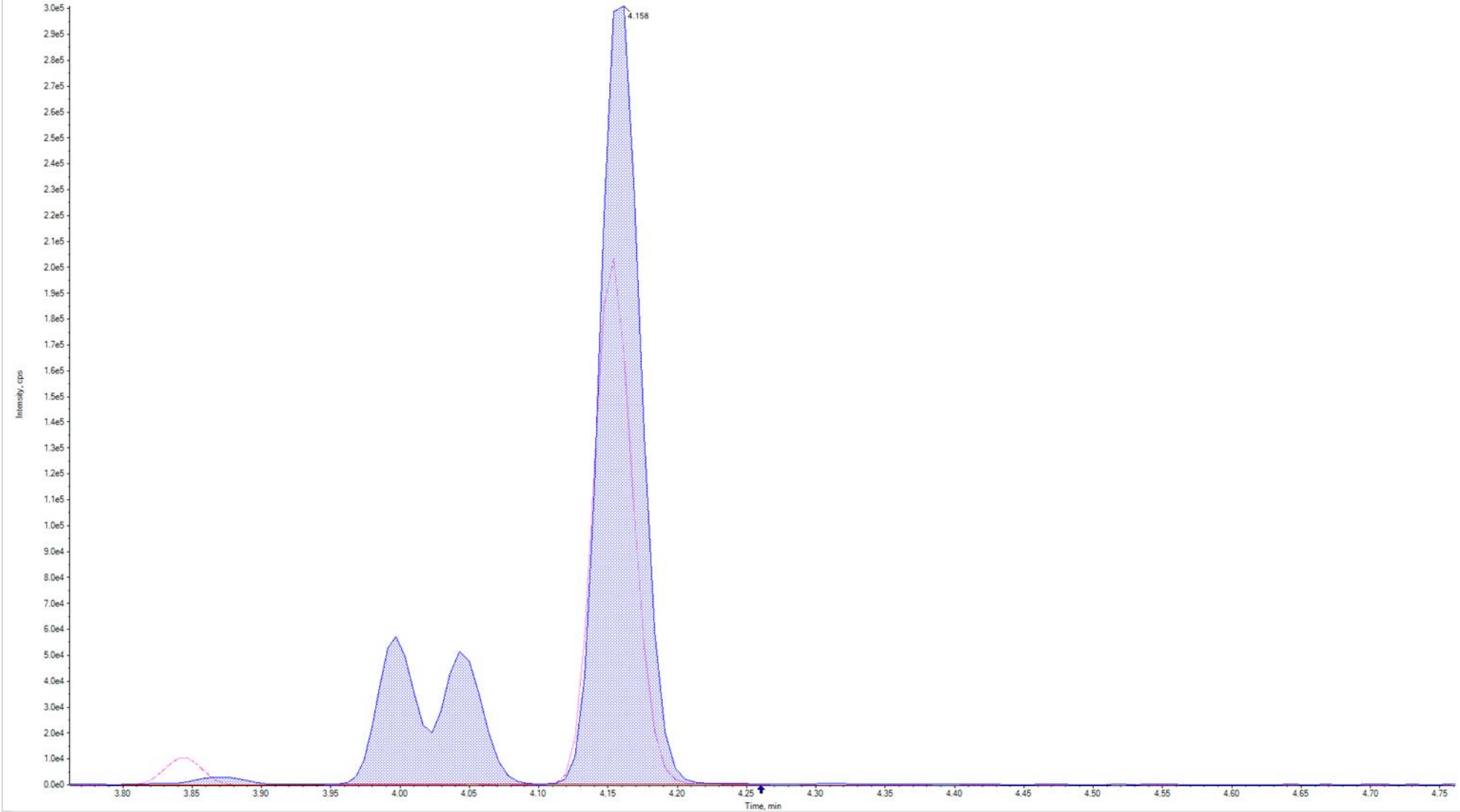
PFOS
Sample: WG2011094-13,1633FMED S/N:514.8 Points Across peak:75



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/19/2024 9:43:26 PM
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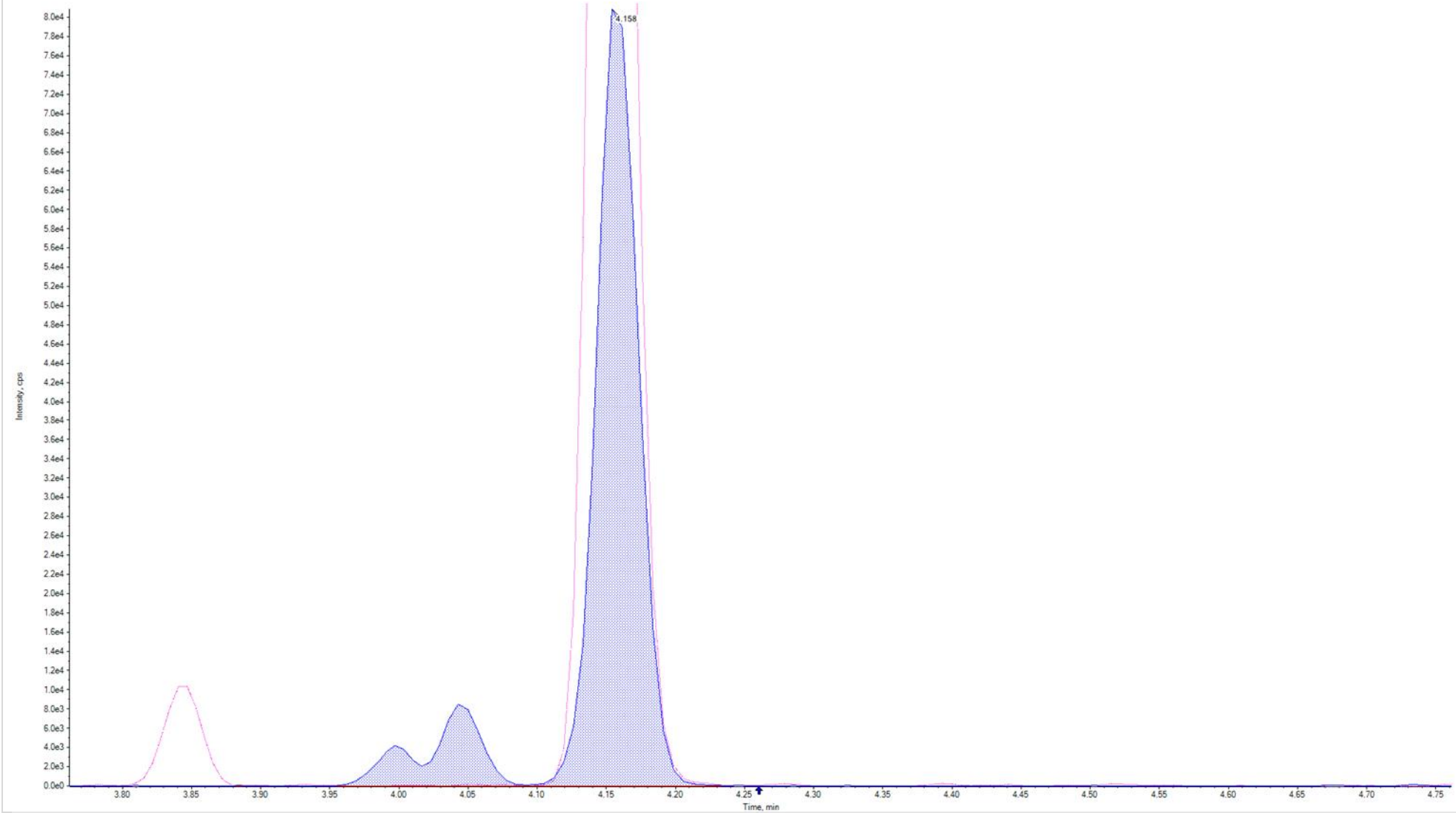
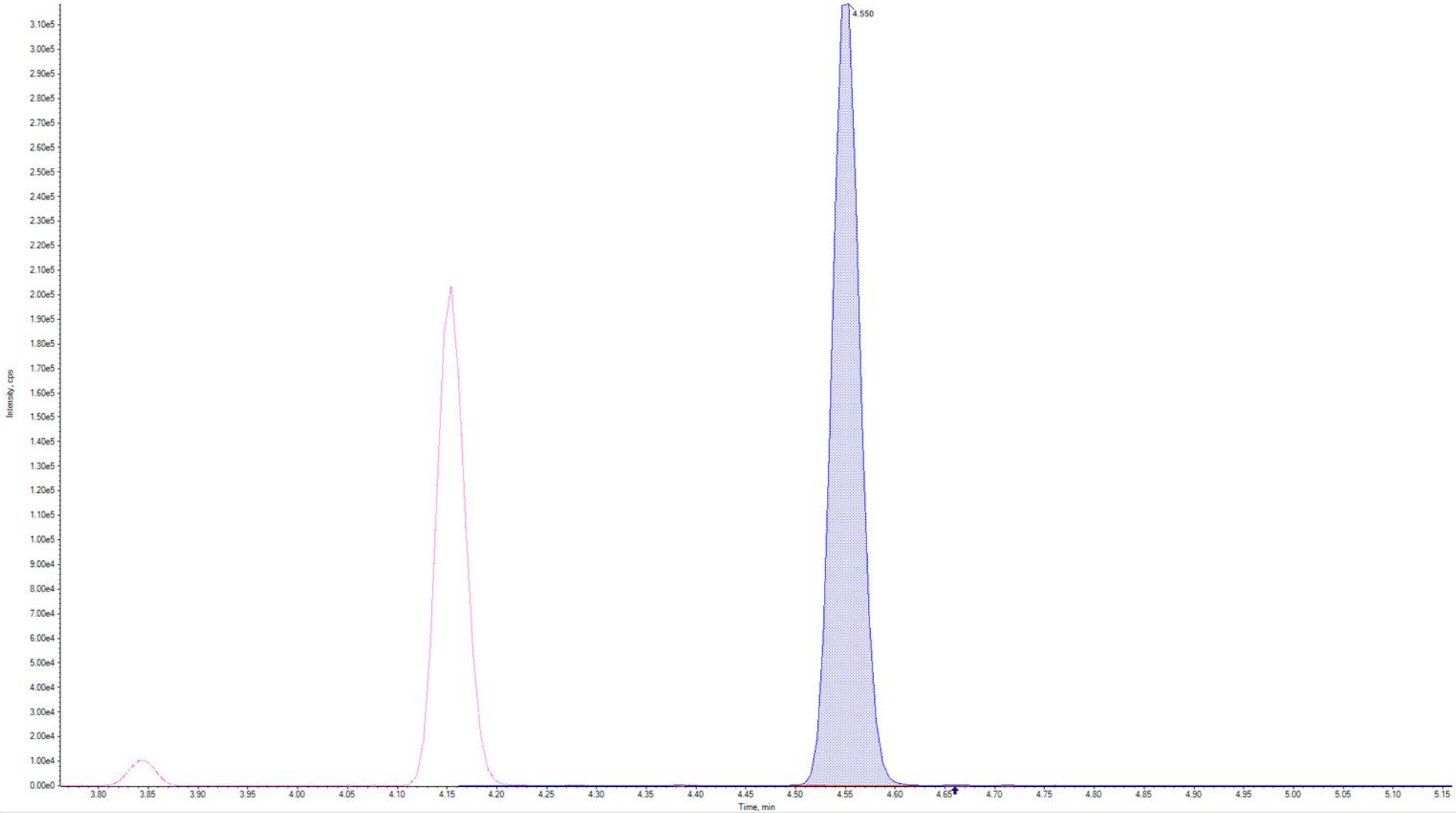
PFOS_2
Sample: WG2011094-13,1633FMED S/N:1265.2 Points Across peak:60



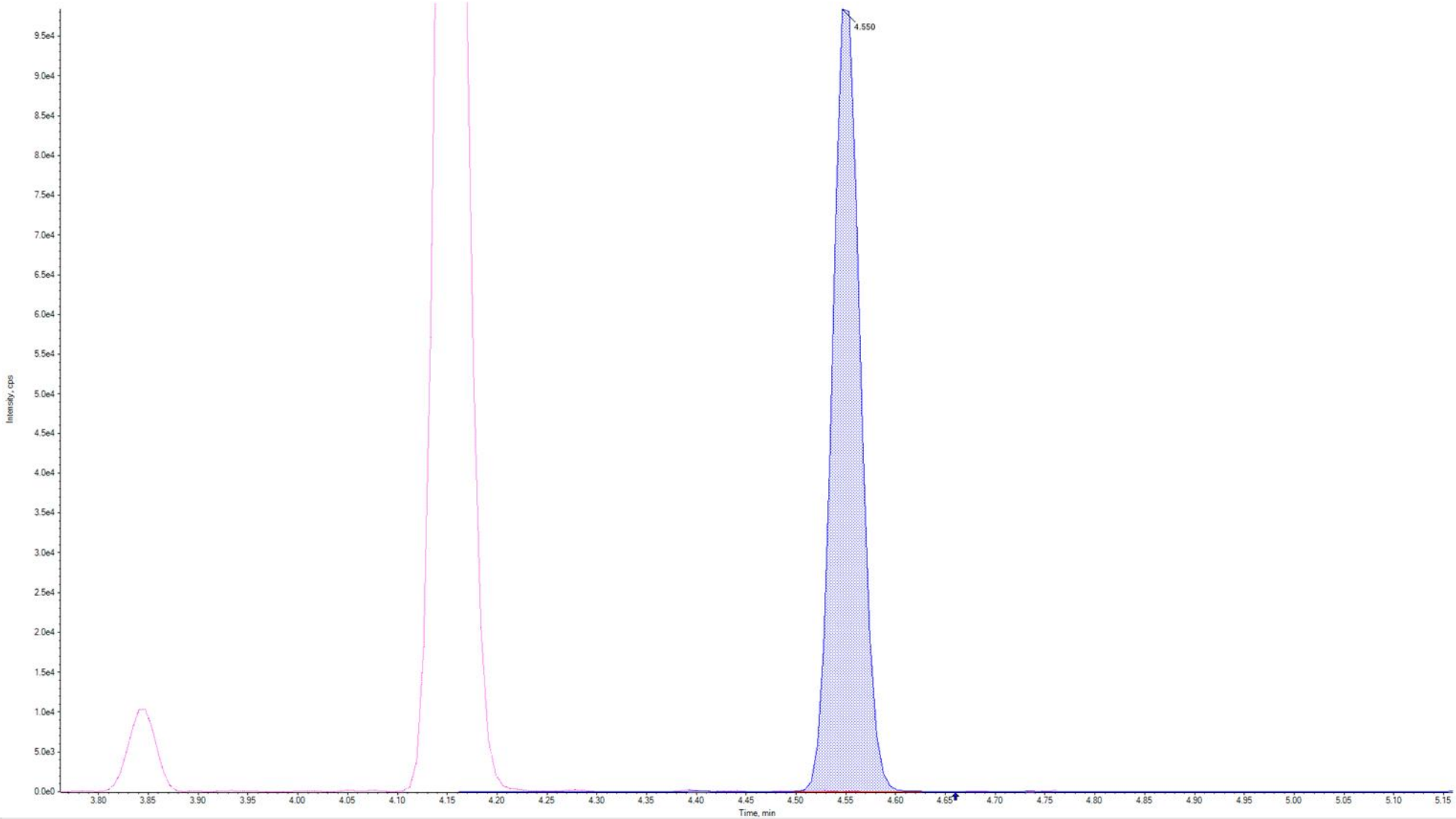
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFNS
Sample: WG2011094-13,1633FMED S/N:5316.2 Points Across peak:25



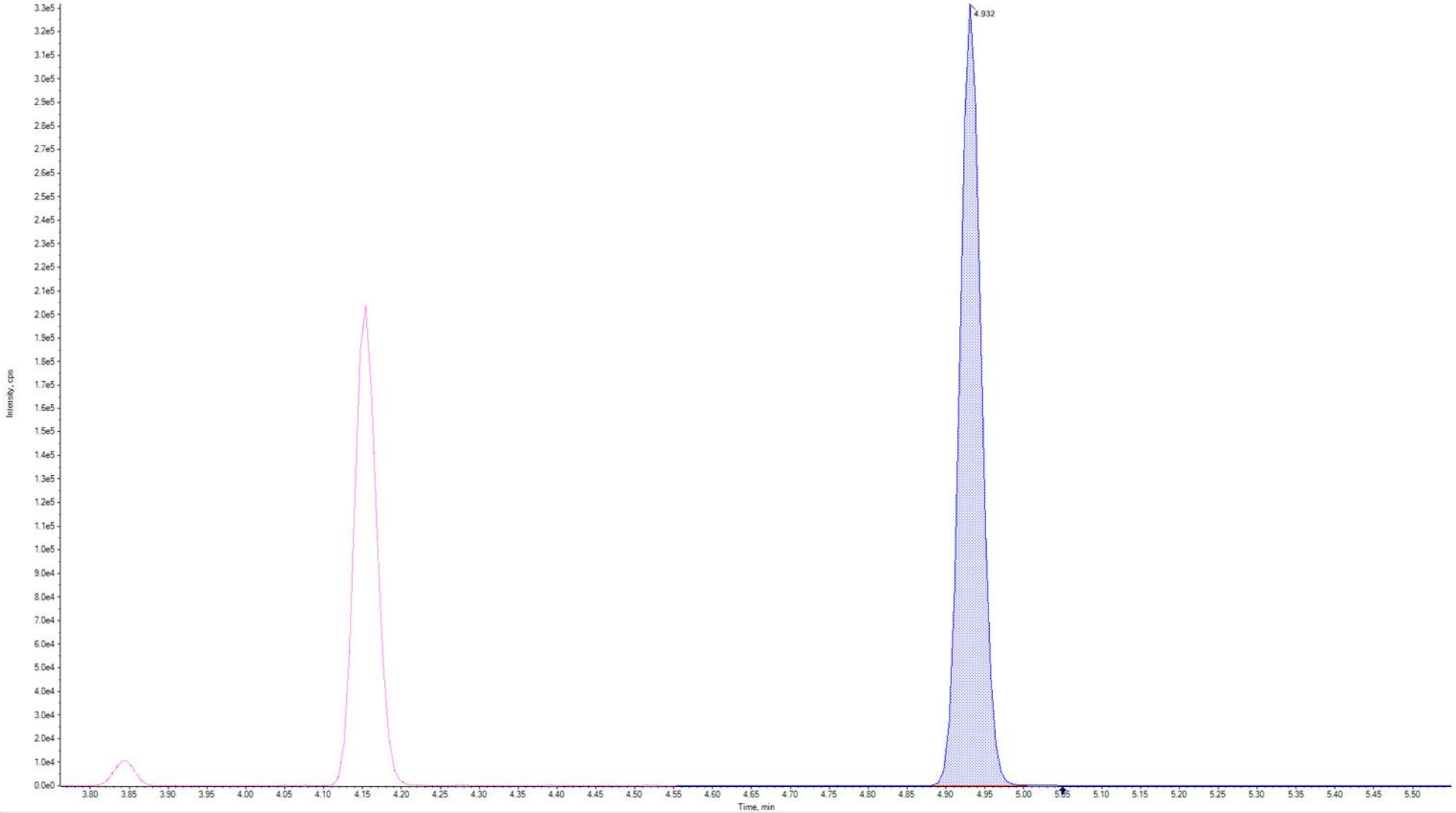
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFNS_2
Sample: WG2011094-13,1633FMED S/N:2466.0 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFDS
Sample: WG2011094-13,1633FMED S/N:11641.6 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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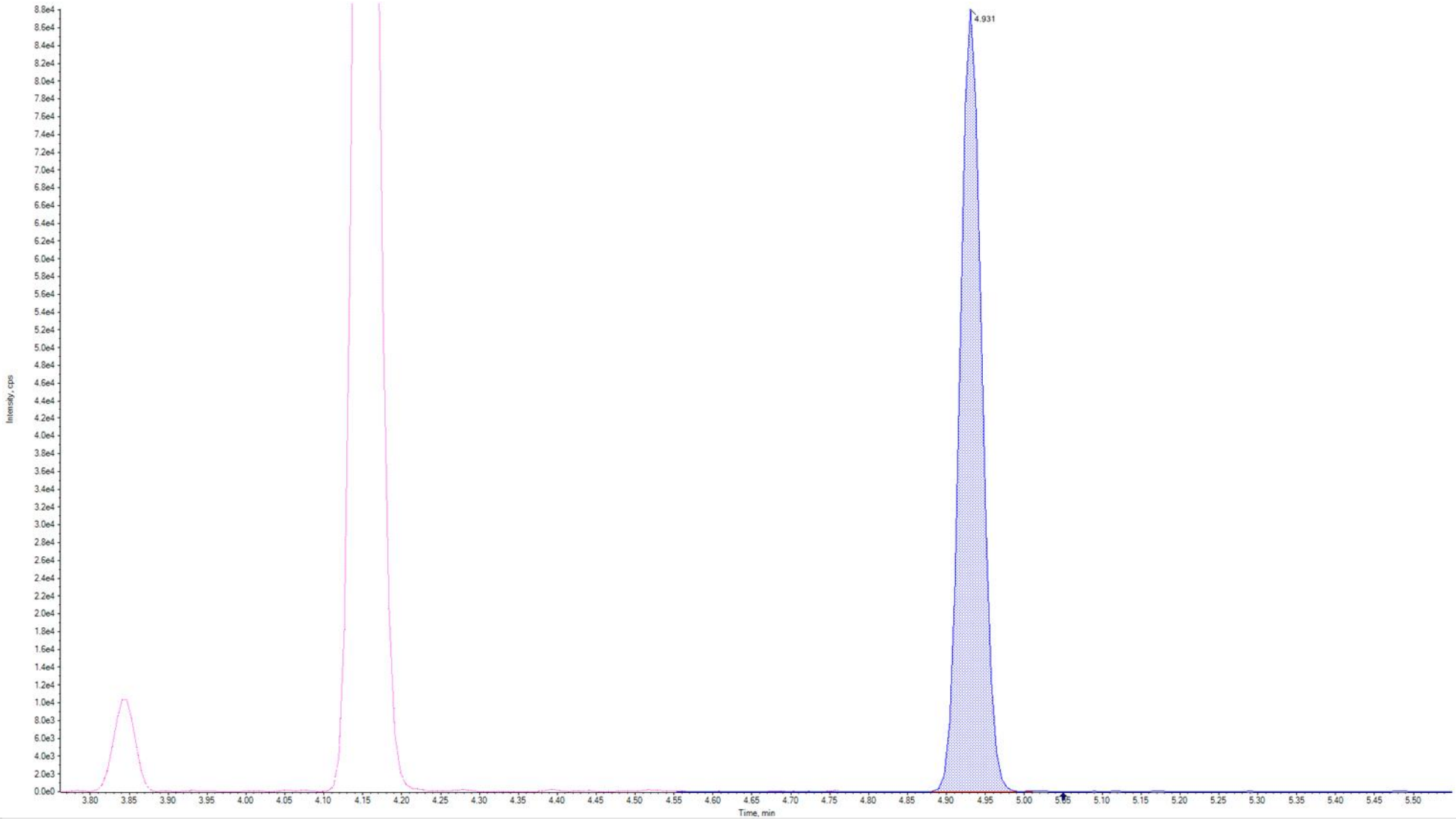
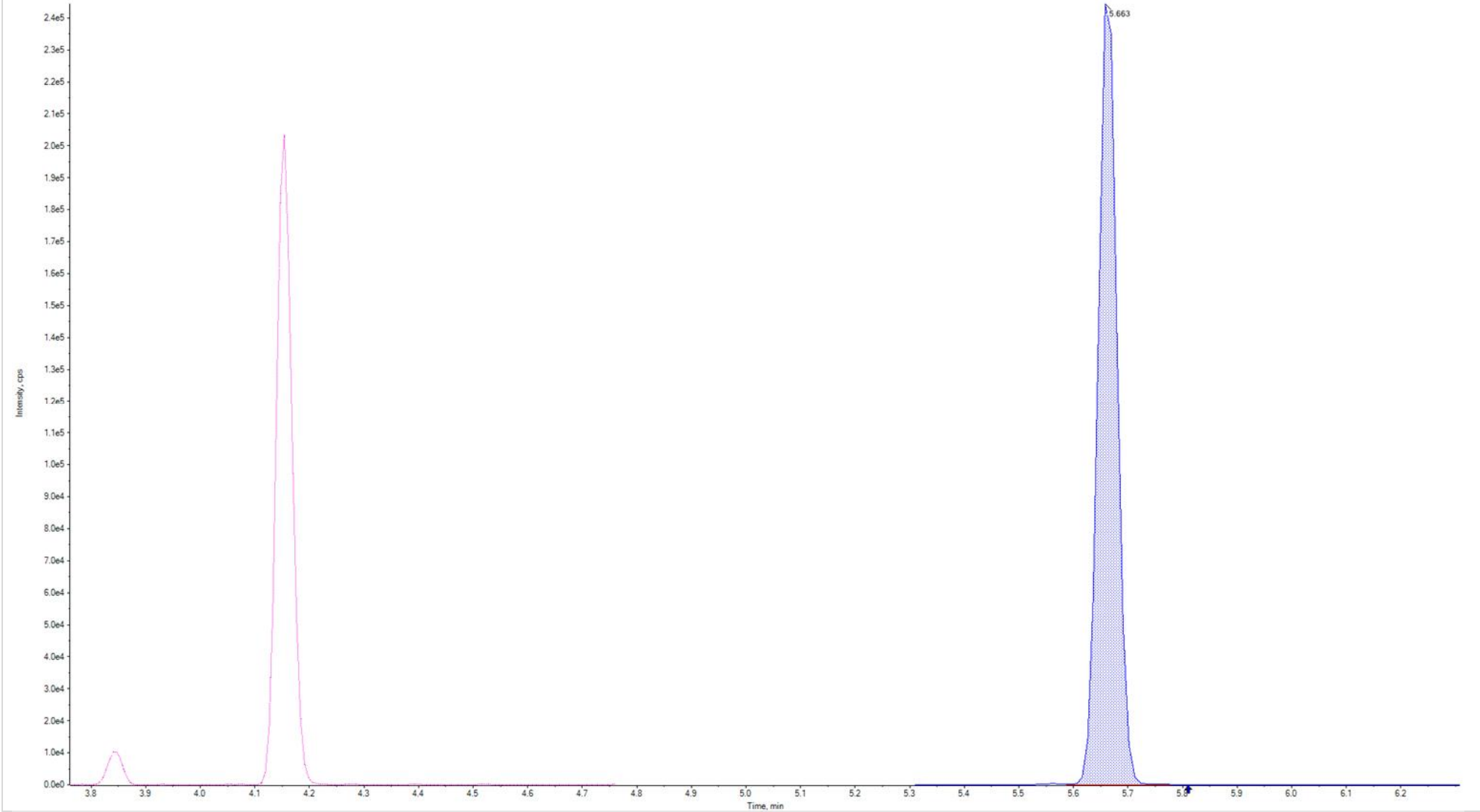
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFDS_2
Sample: WG2011094-13,1633FMED S/N:3091.7 Points Across peak:23



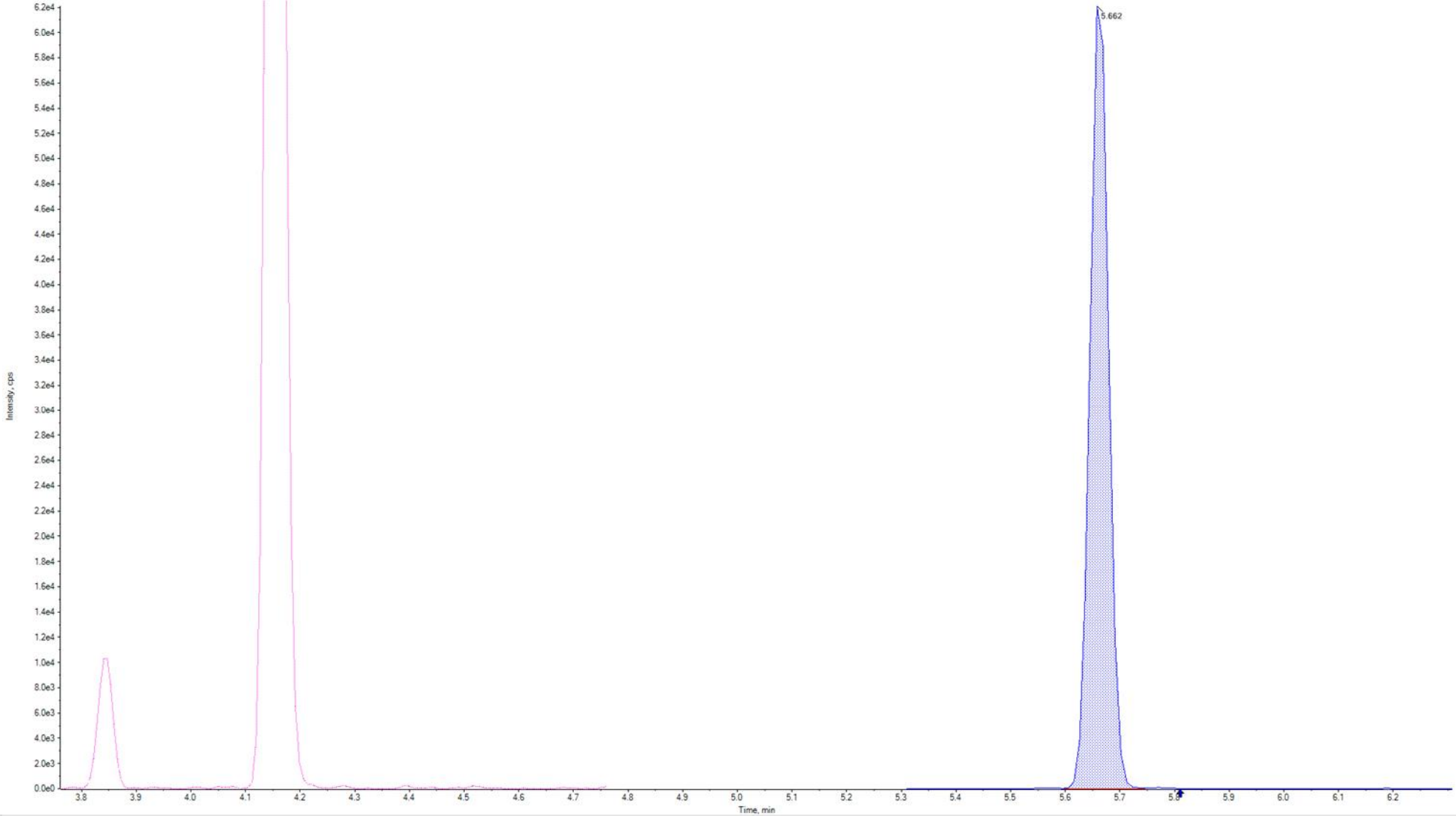
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFDoS
Sample: WG2011094-13,1633FMED S/N:18987.4 Points Across peak:22



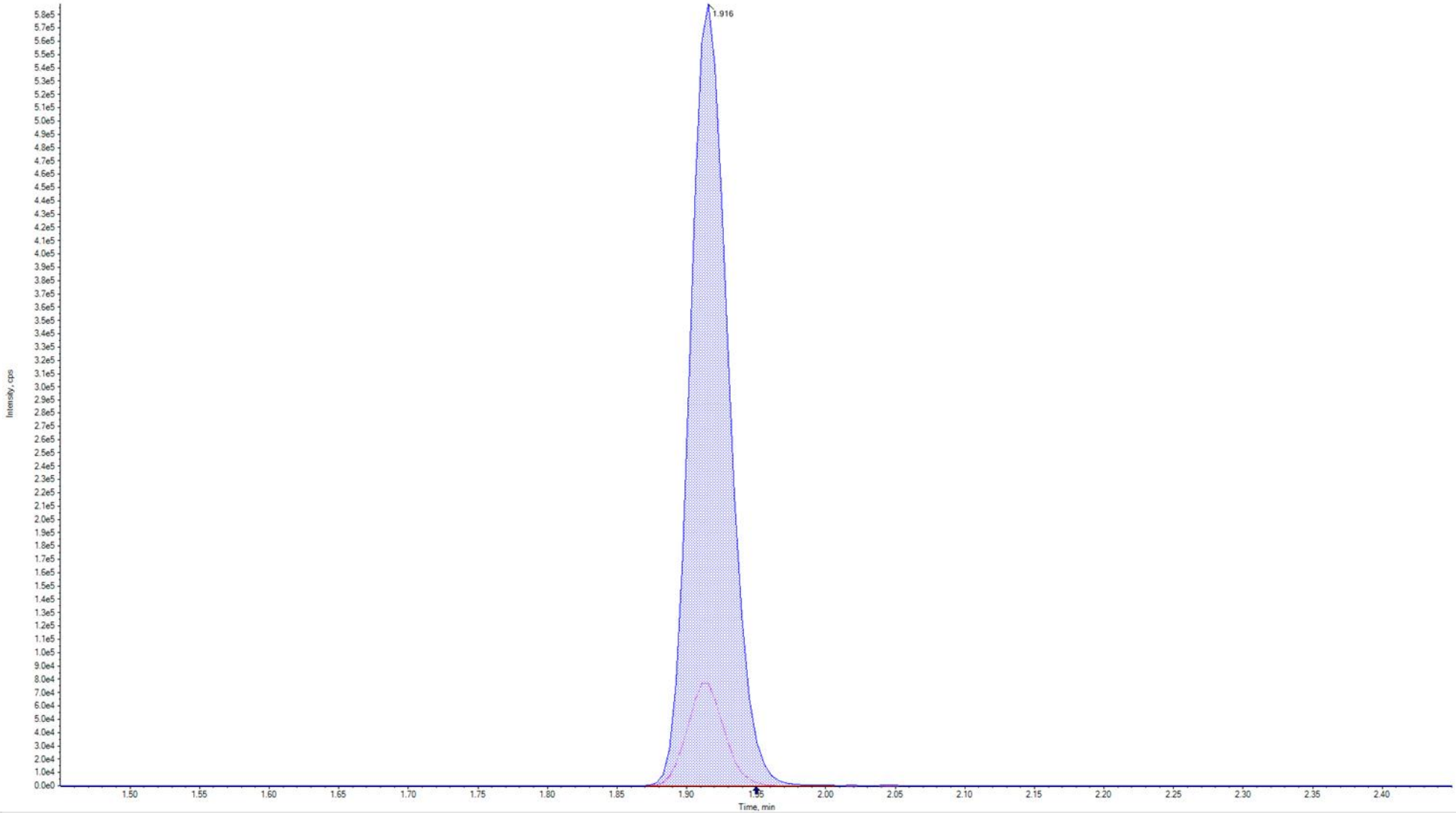
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFDoS_2
Sample: WG2011094-13,1633FMED S/N:1914.6 Points Across peak:15



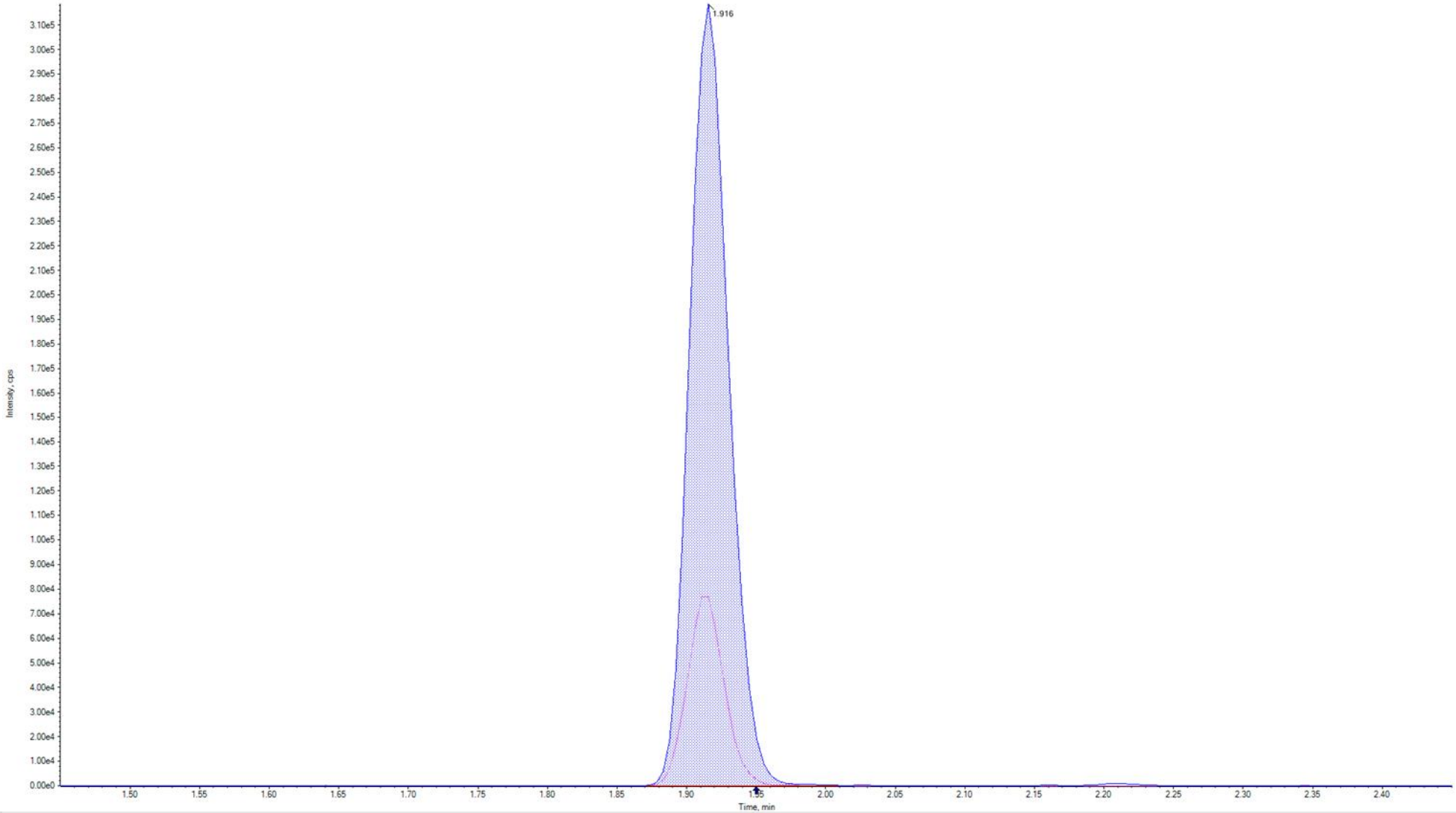
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

4:2FTS
Sample: WG2011094-13,1633FMED S/N:22108.5 Points Across peak:37



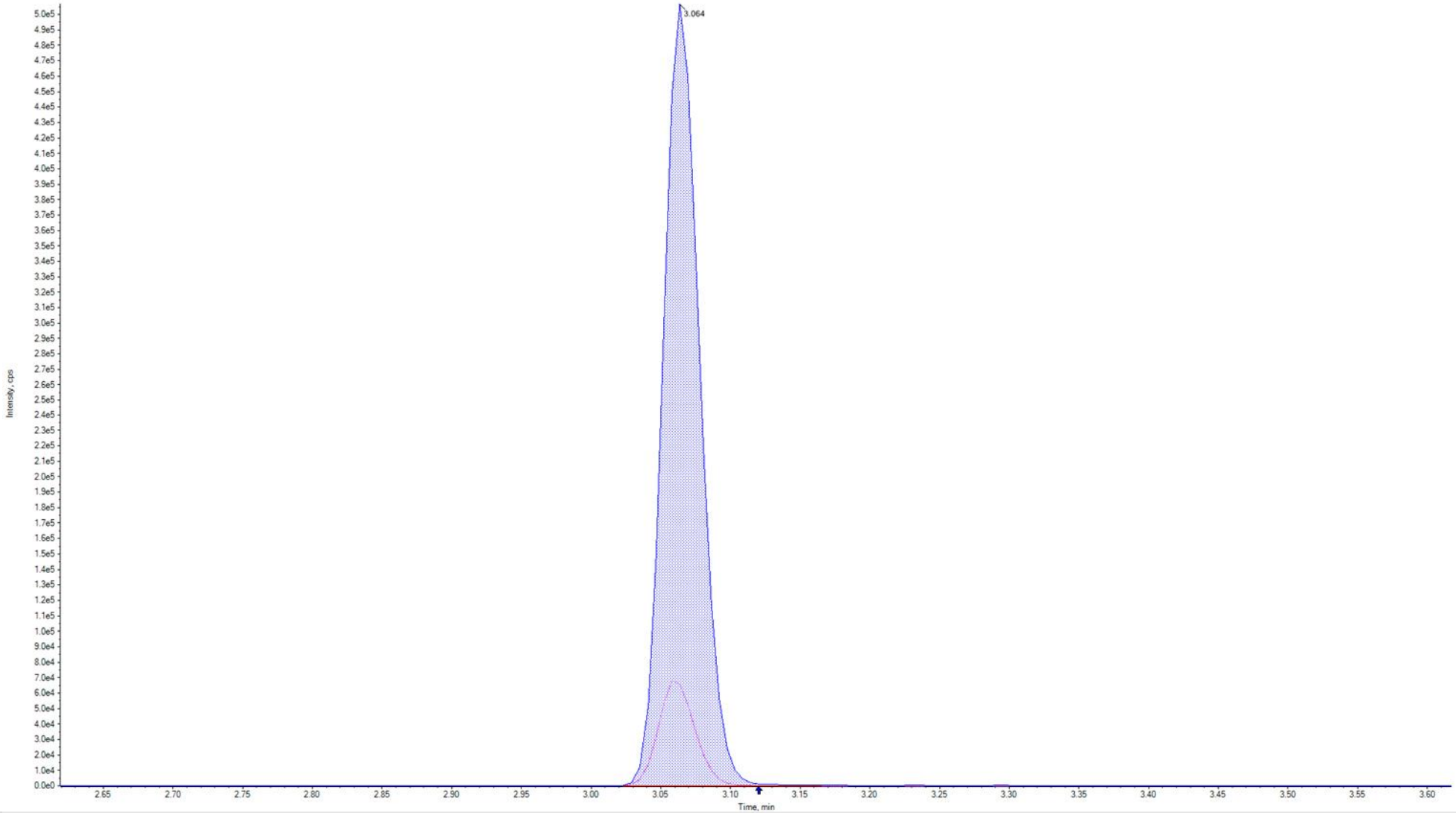
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

4:2FTS_2
Sample: WG2011094-13,1633FMED S/N:11979.5 Points Across peak:33



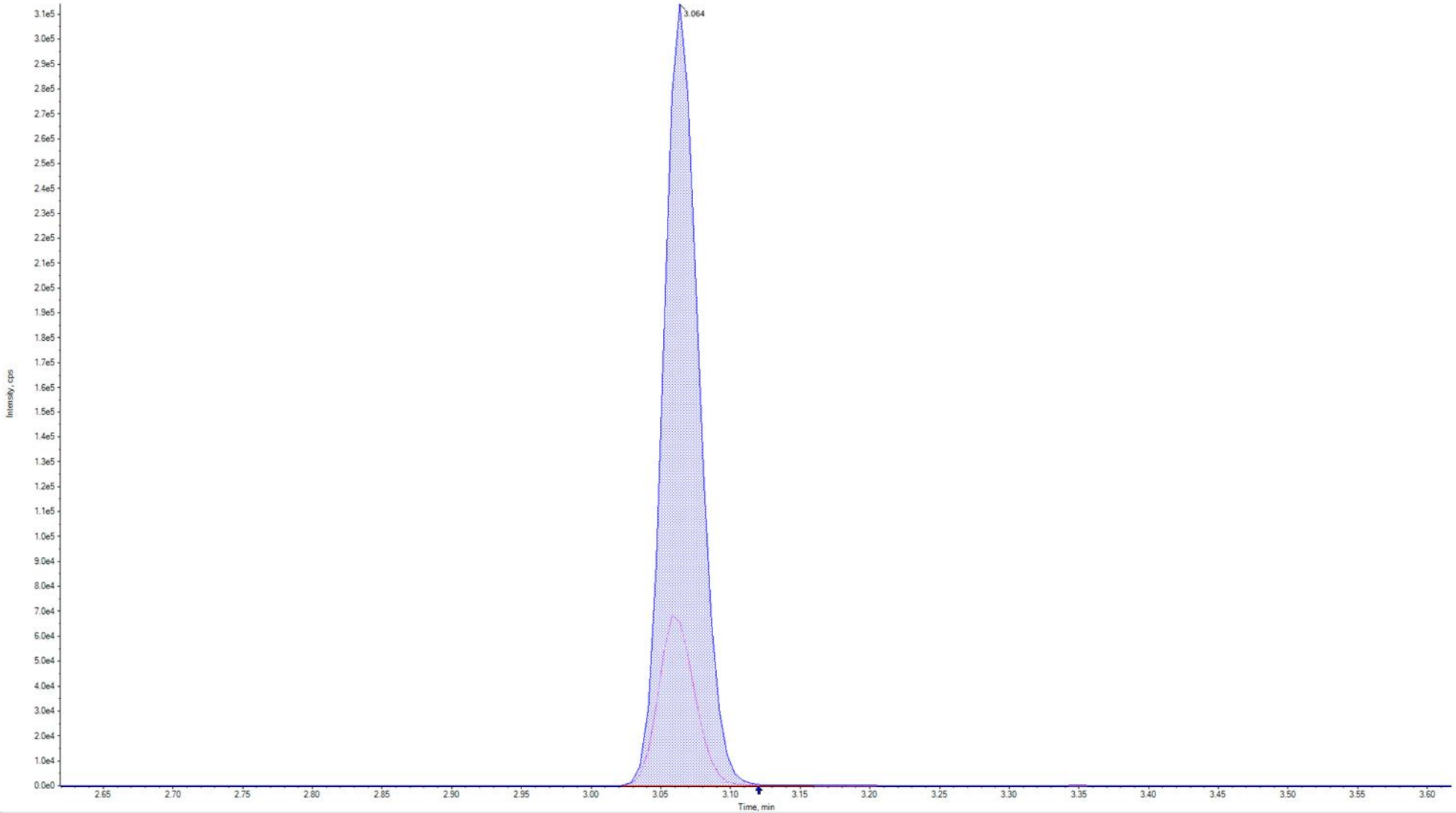
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

6:2FTS
Sample: WG2011094-13,1633FMED S/N:8207.3 Points Across peak:30



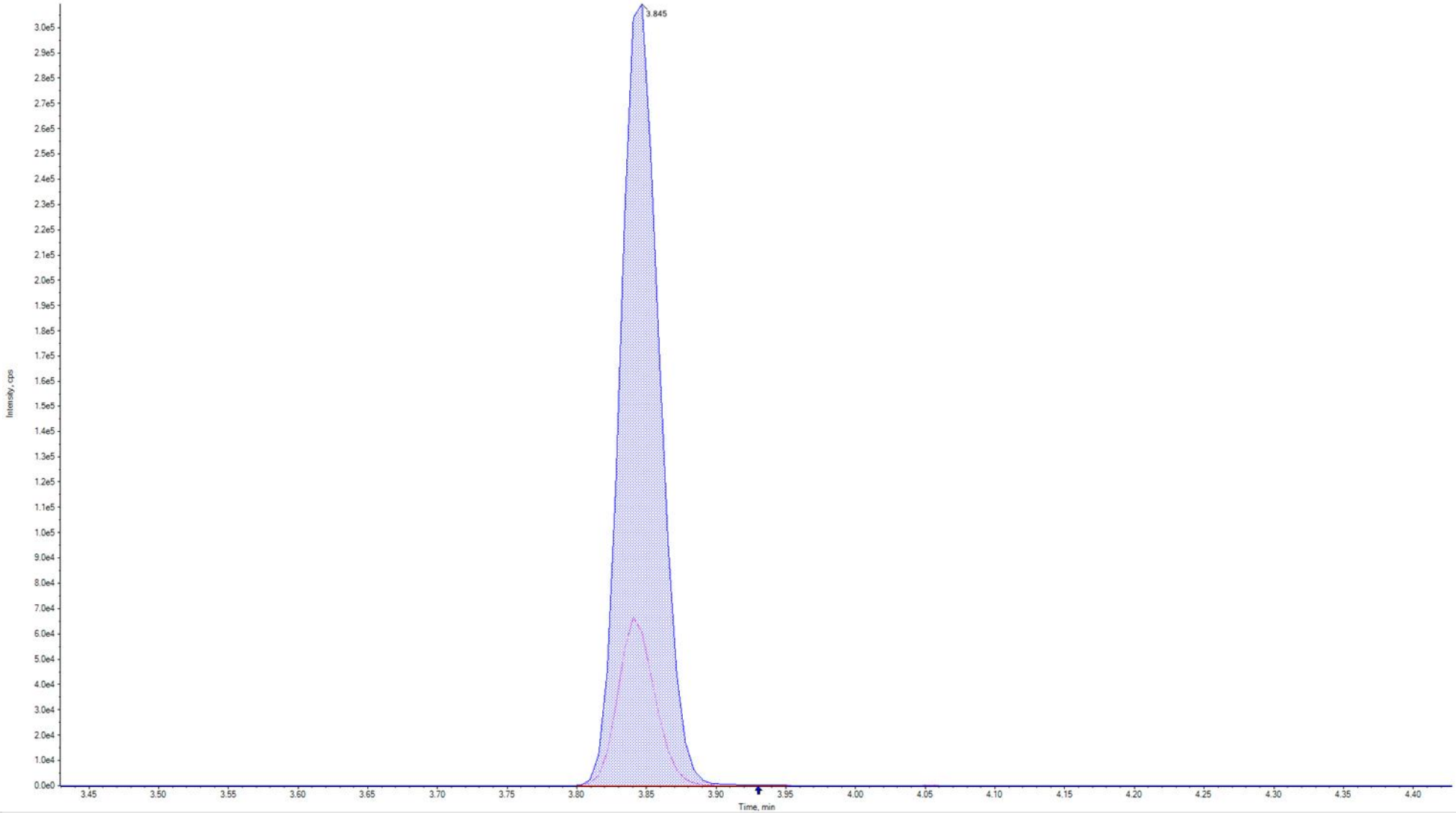
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

6:2FTS_2
Sample: WG2011094-13,1633FMED S/N:5079.6 Points Across peak:28



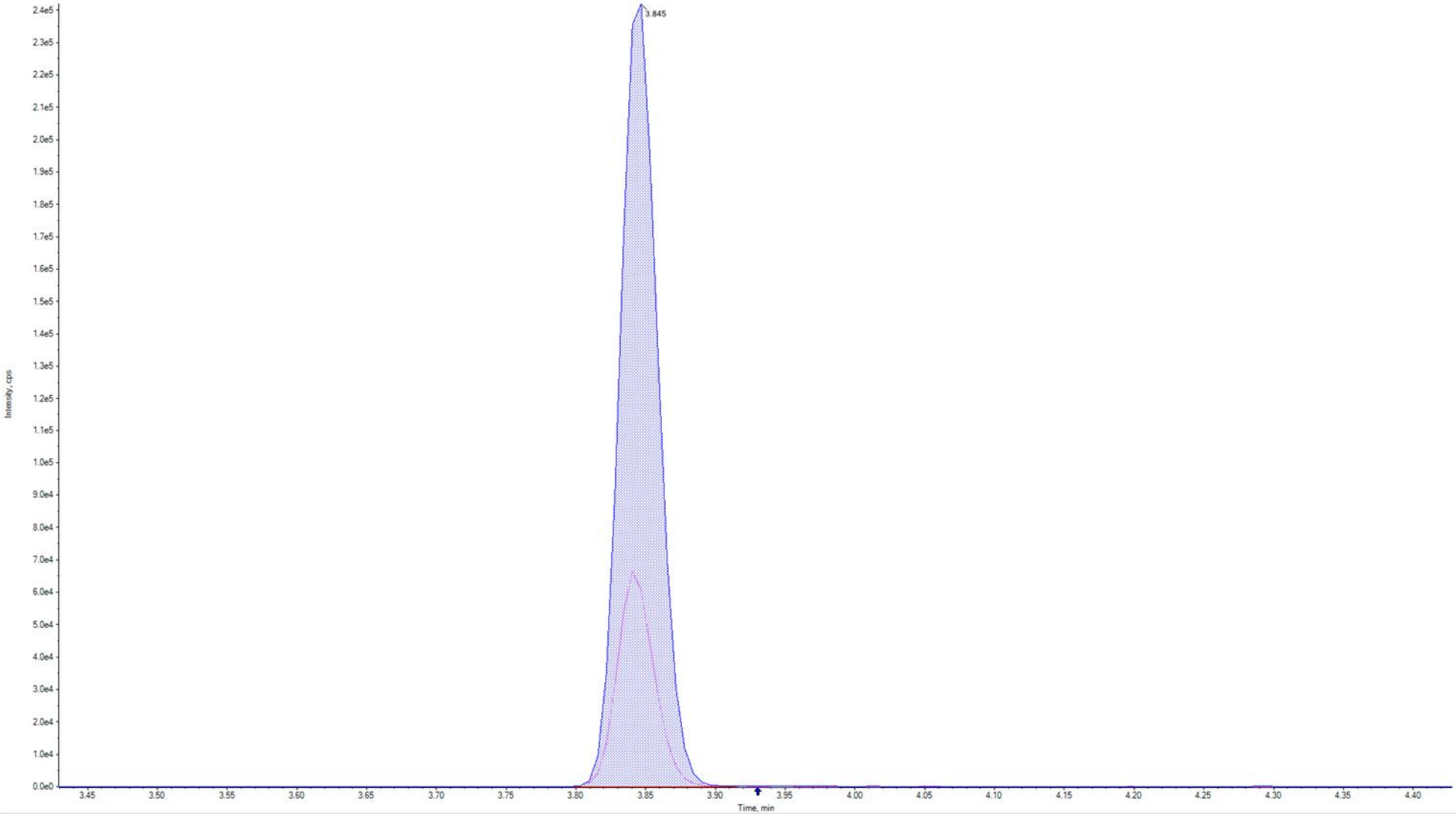
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

8:2FTS
Sample: WG2011094-13,1633FMED S/N:6203.8 Points Across peak:40



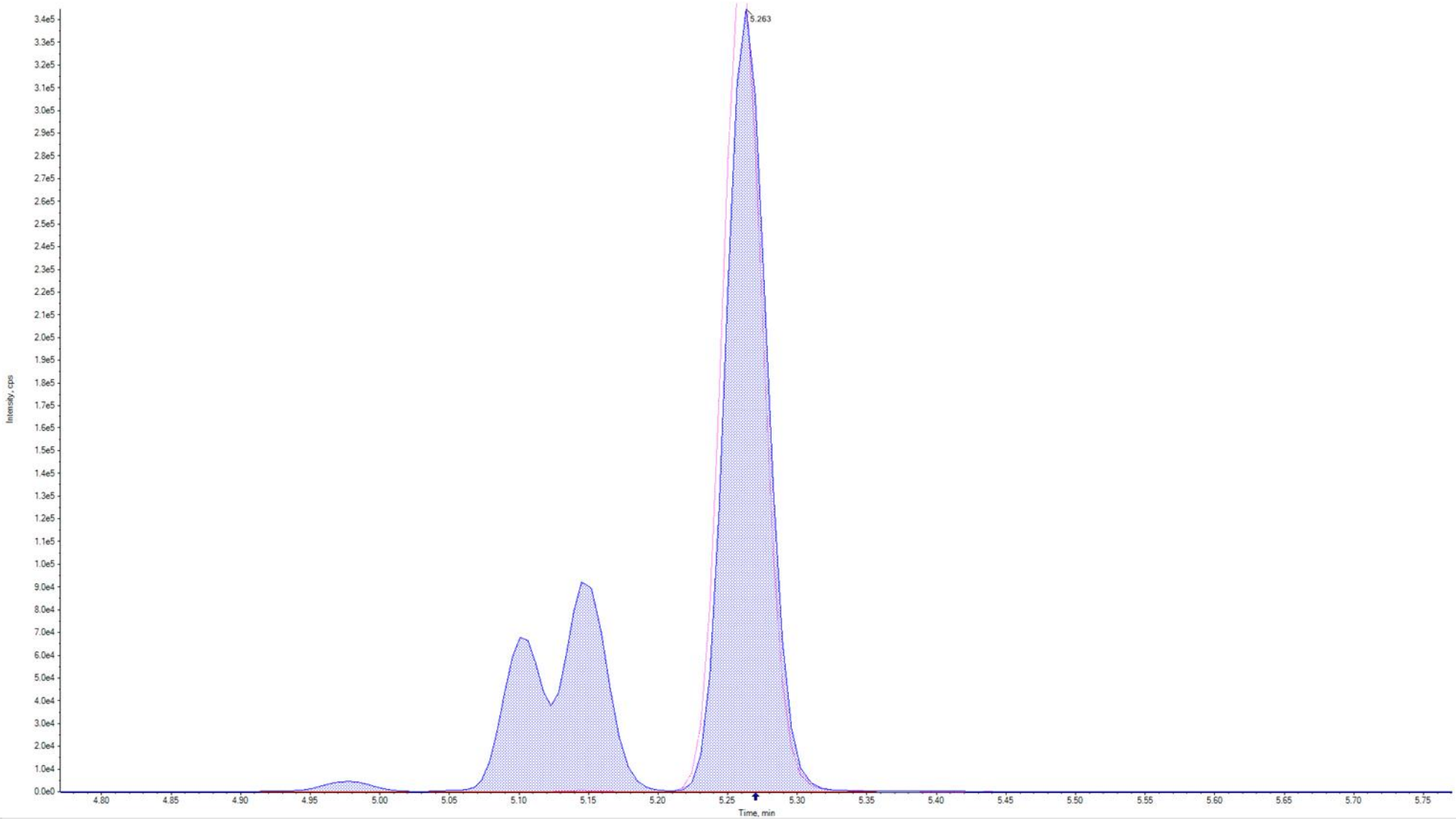
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

8:2FTS_2
Sample: WG2011094-13,1633FMED S/N:4324.0 Points Across peak:24



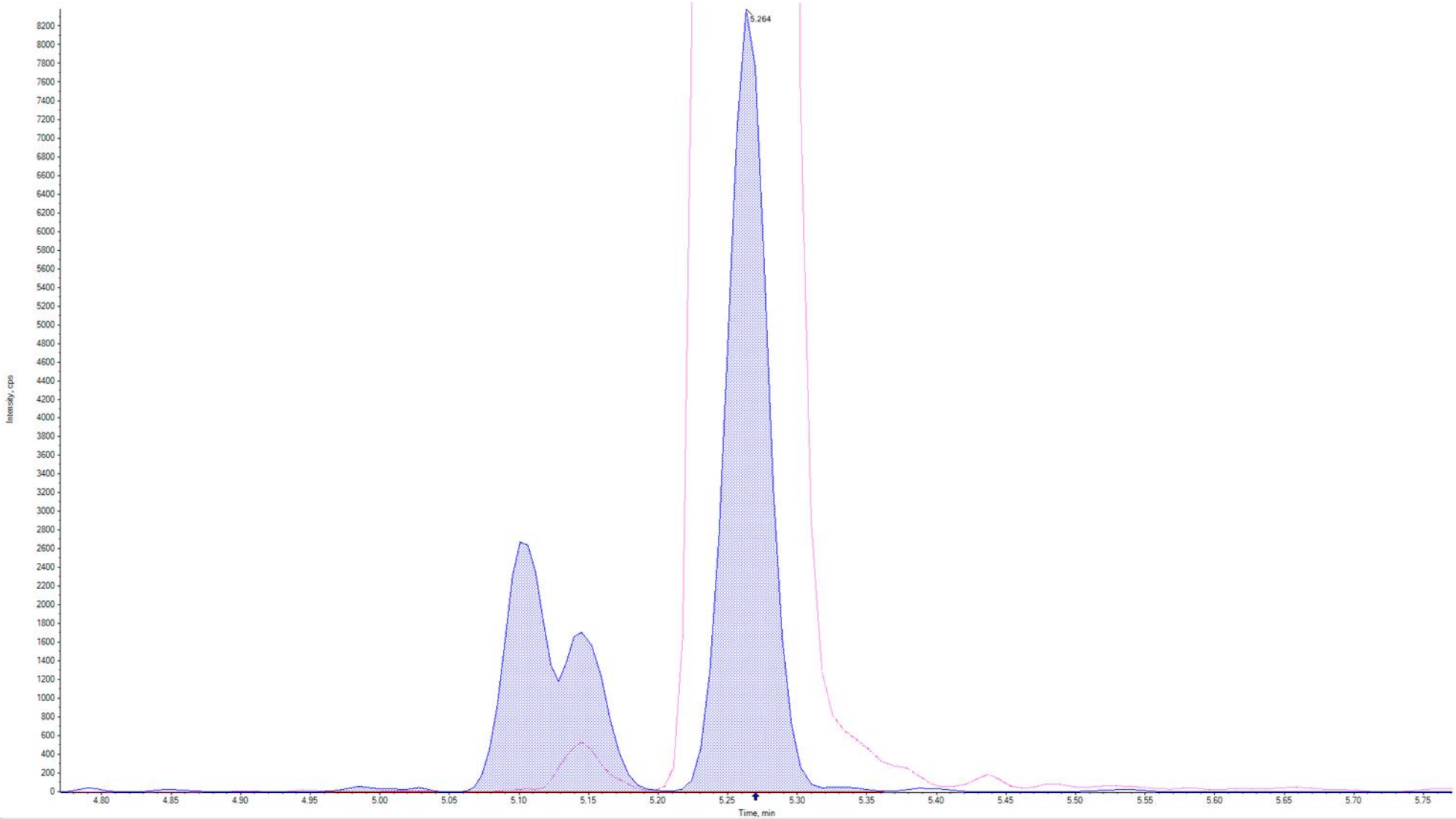
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFOSA
Sample: WG2011094-13,1633FMED S/N:246.9 Points Across peak:75



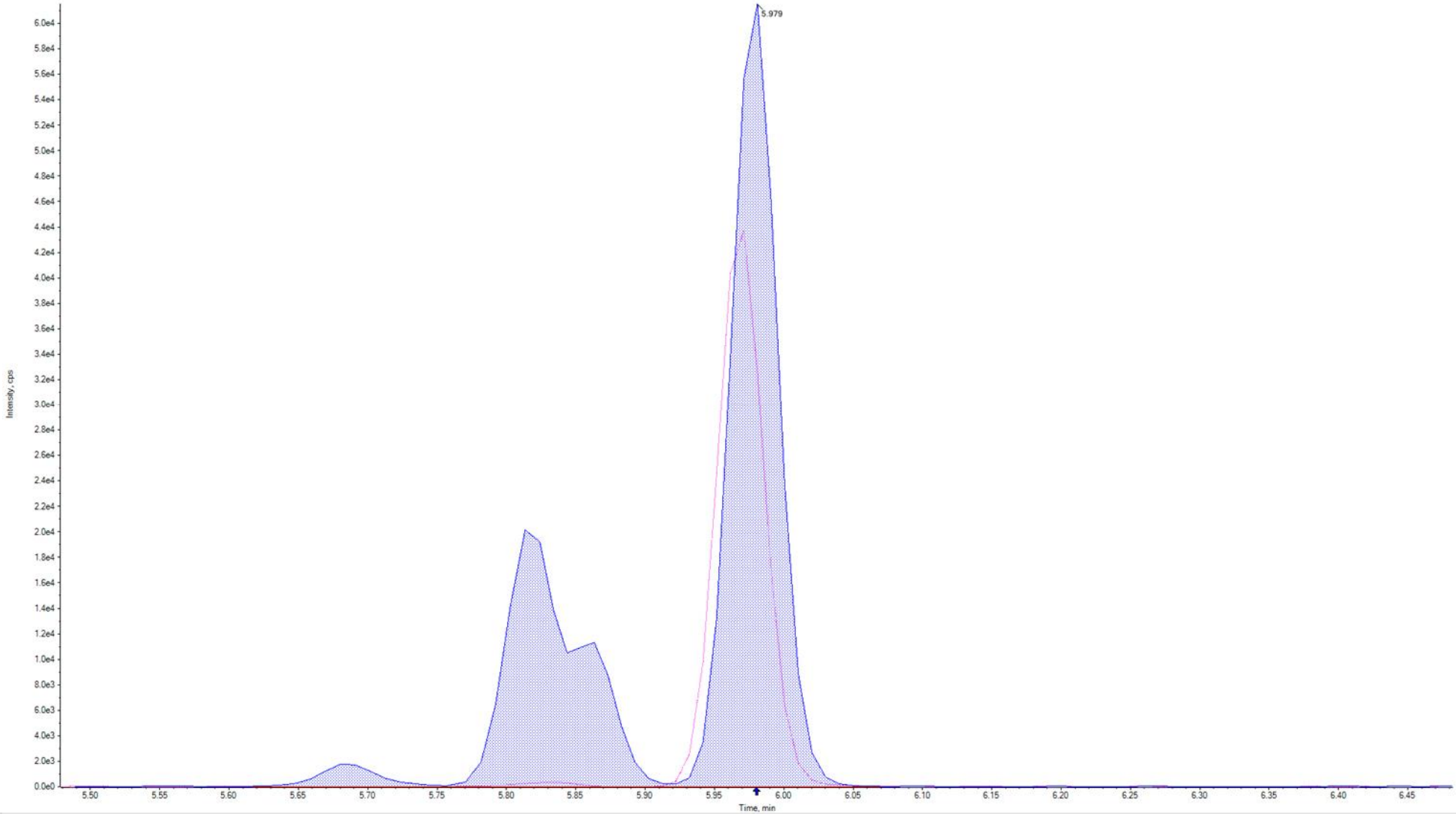
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFOSA_2
Sample: WG2011094-13,1633FMED S/N:268.5 Points Across peak:67



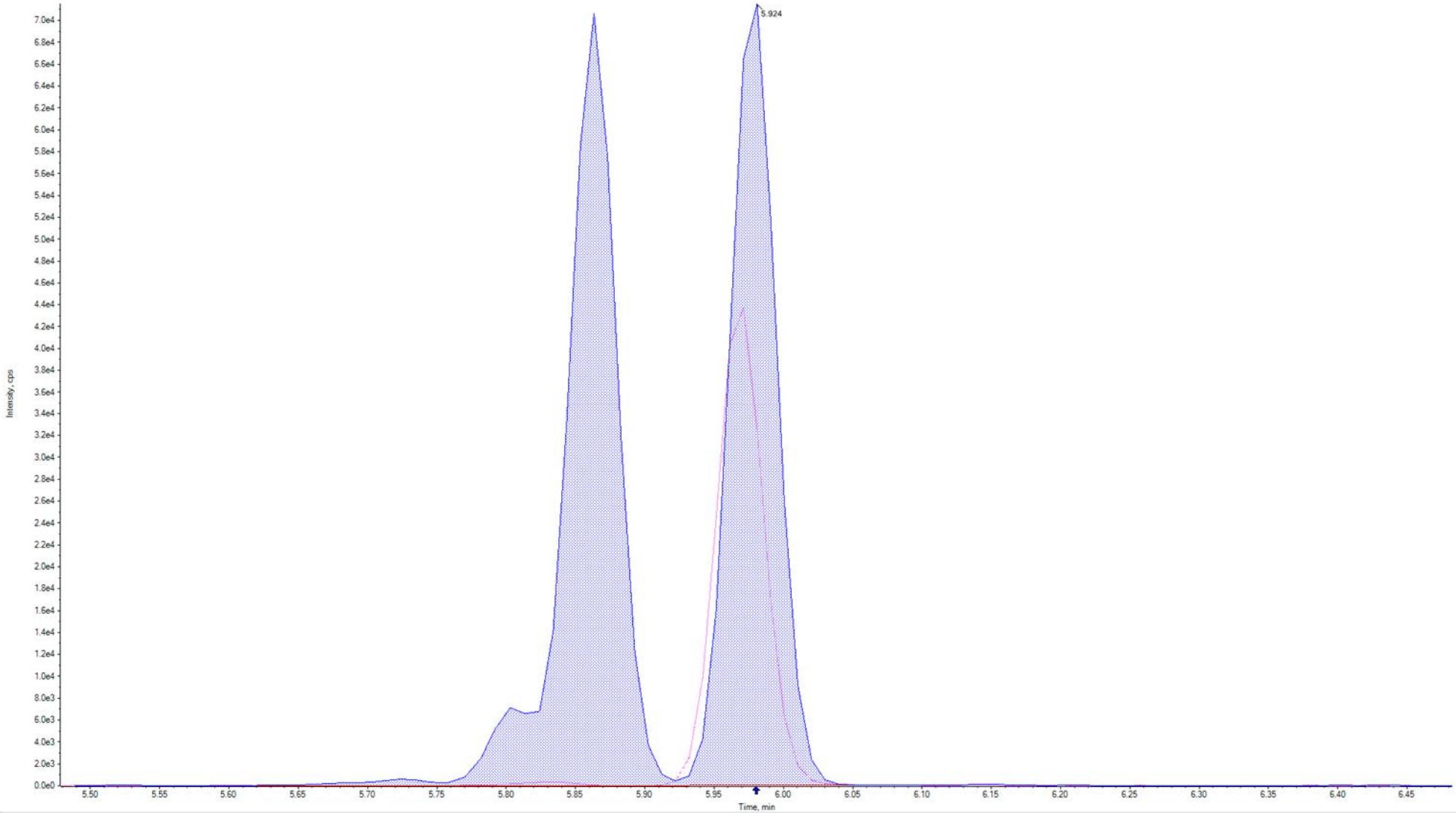
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

NMeFOSA
Sample: WG2011094-13,1633FMED S/N:265.7 Points Across peak:50



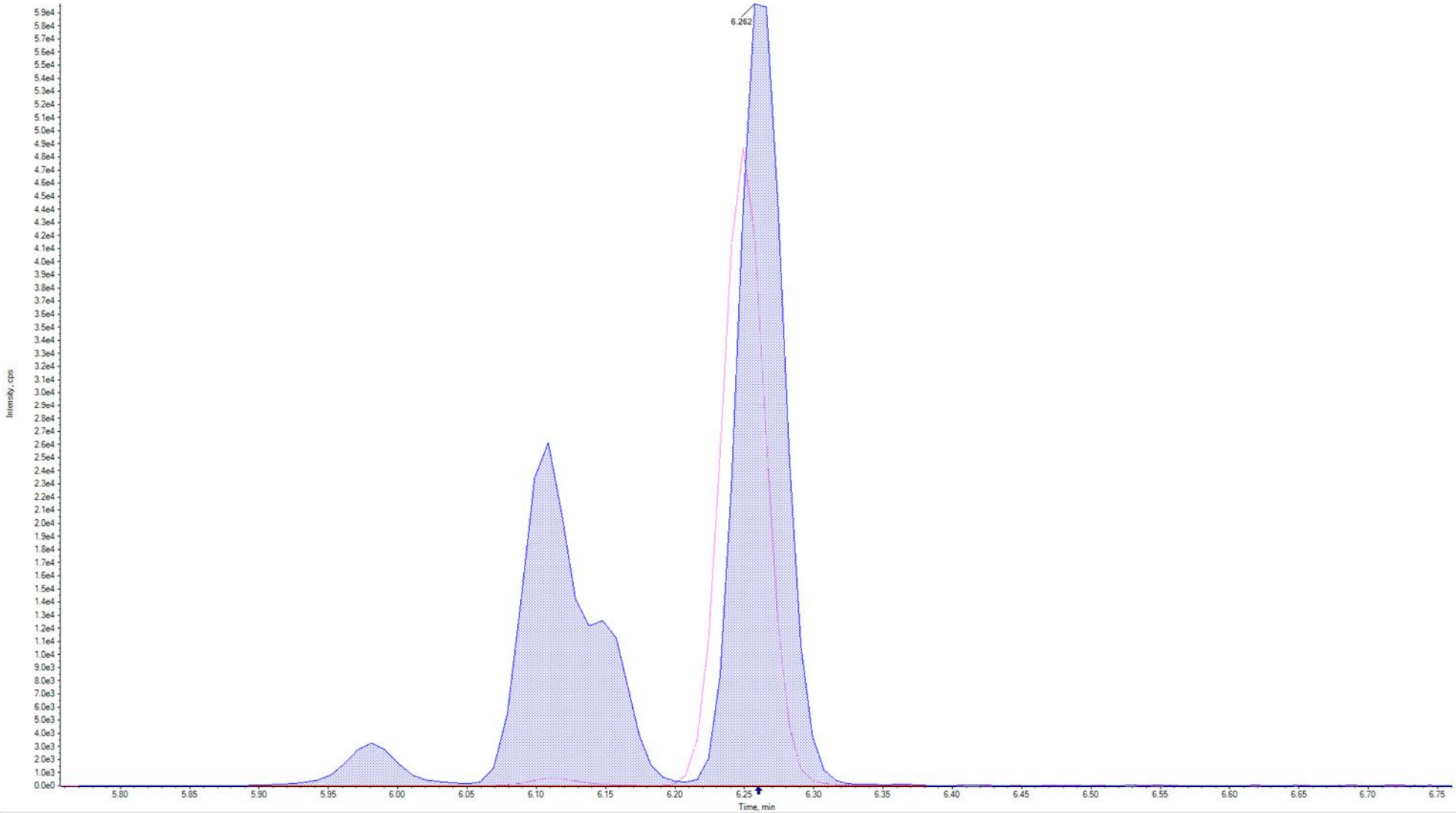
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

NMeFOSA_2
Sample: WG2011094-13,1633FMED S/N:272.9 Points Across peak:50



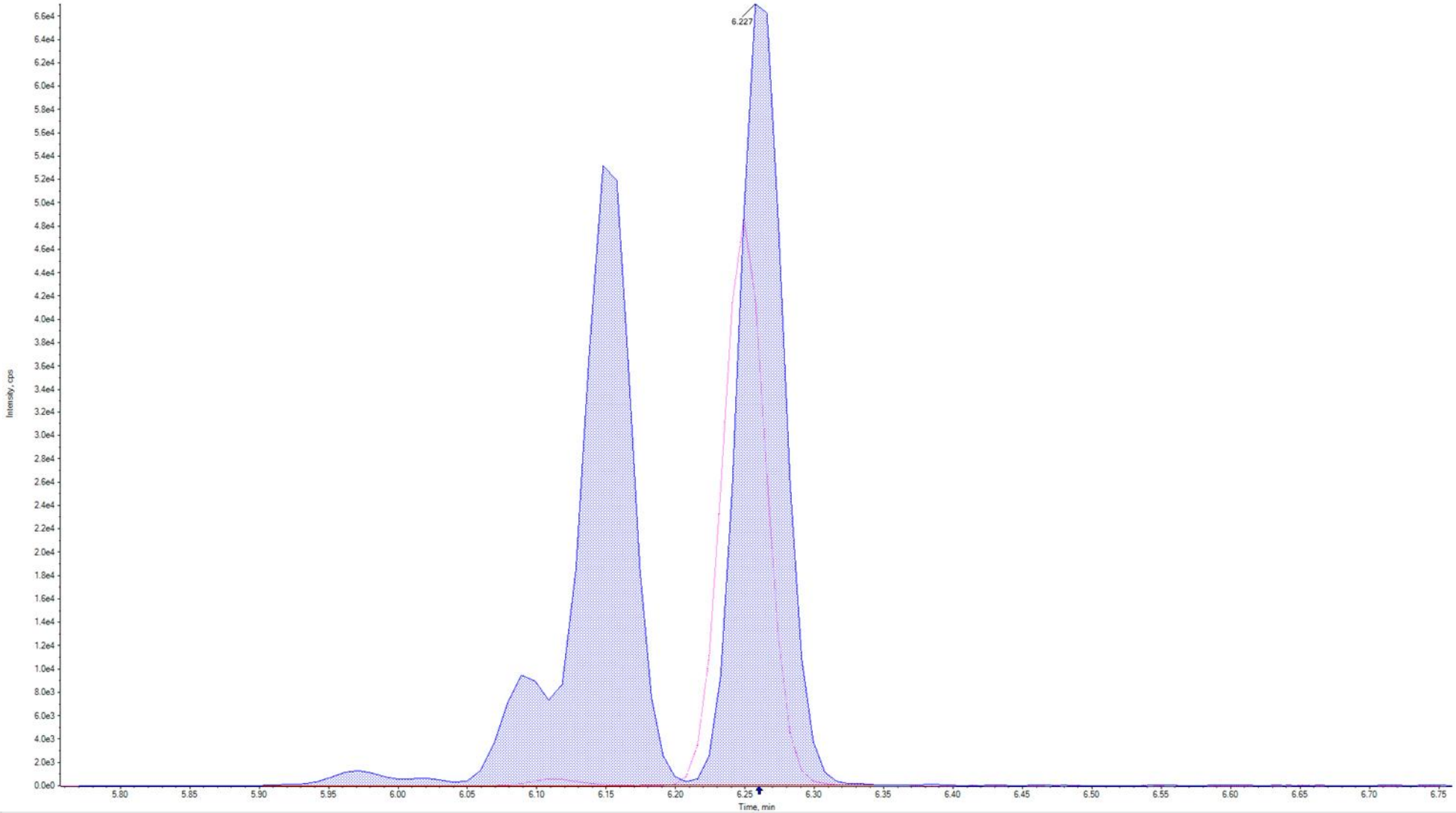
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

NEtFOSA
Sample: WG2011094-13,1633FMED S/N:753.6 Points Across peak:61



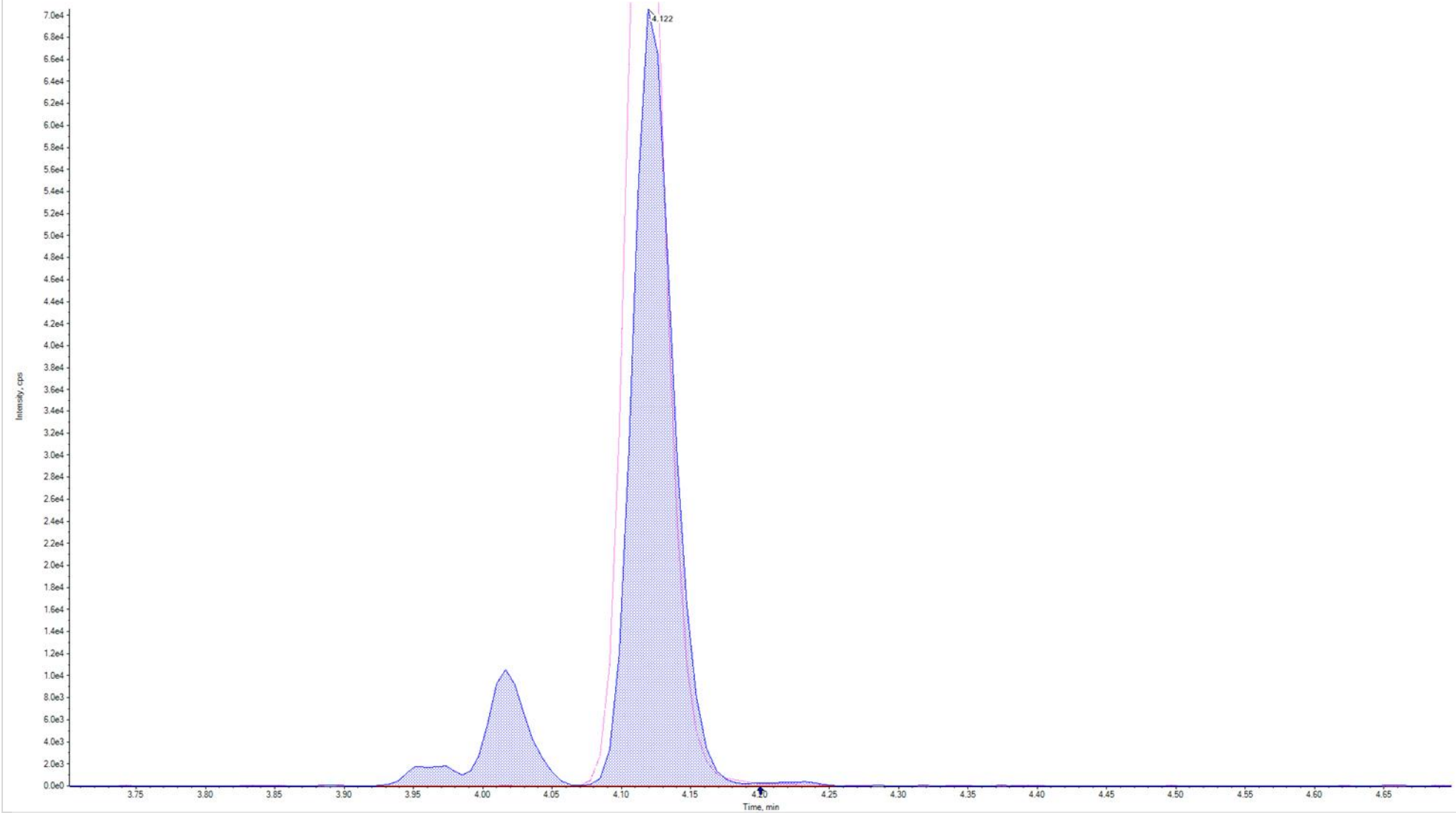
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

NEtFOSA_2
Sample: WG2011094-13,1633FMED S/N:718.5 Points Across peak:53



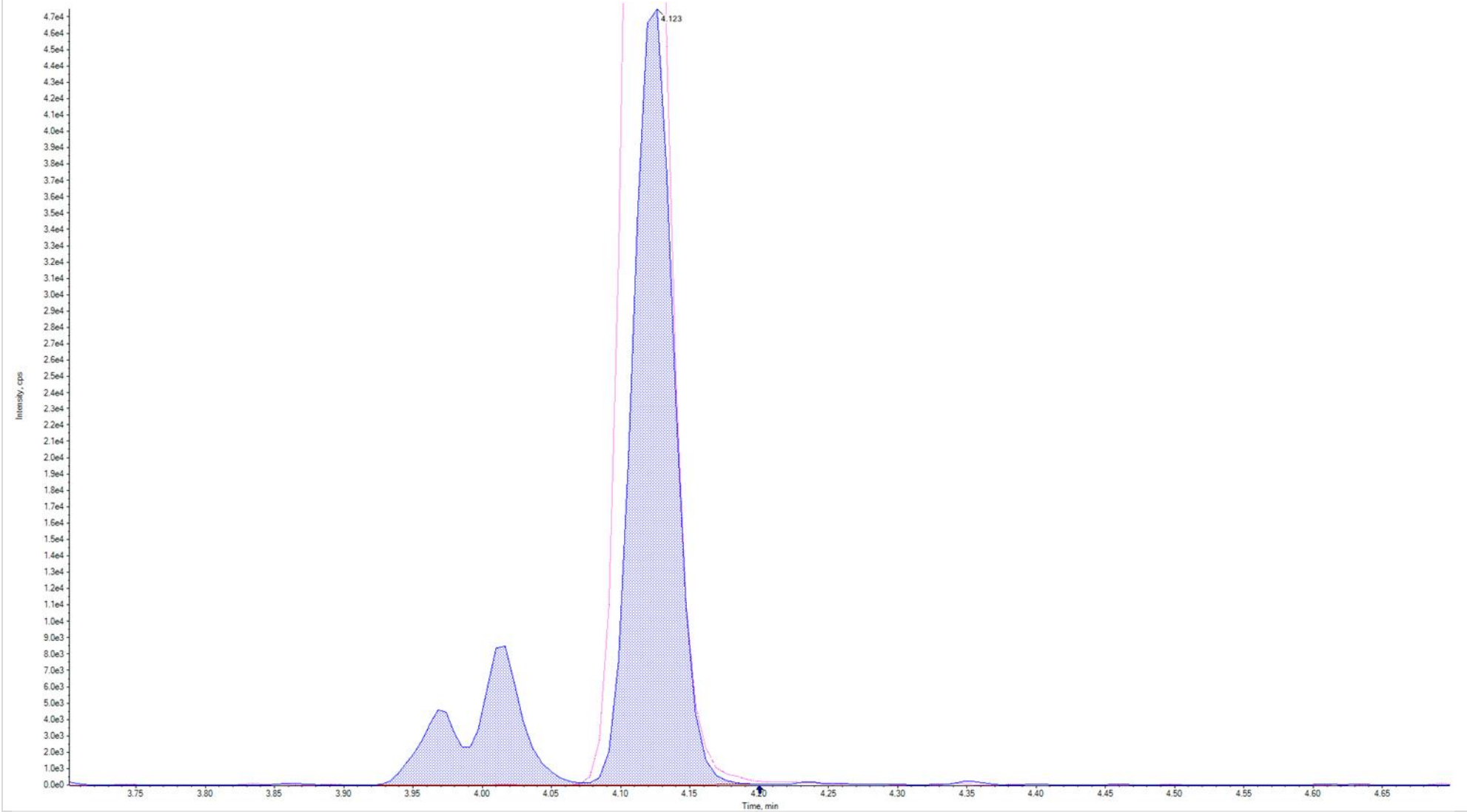
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

NMeFOSAA
Sample: WG2011094-13,1633FMED S/N:704.4 Points Across peak:56



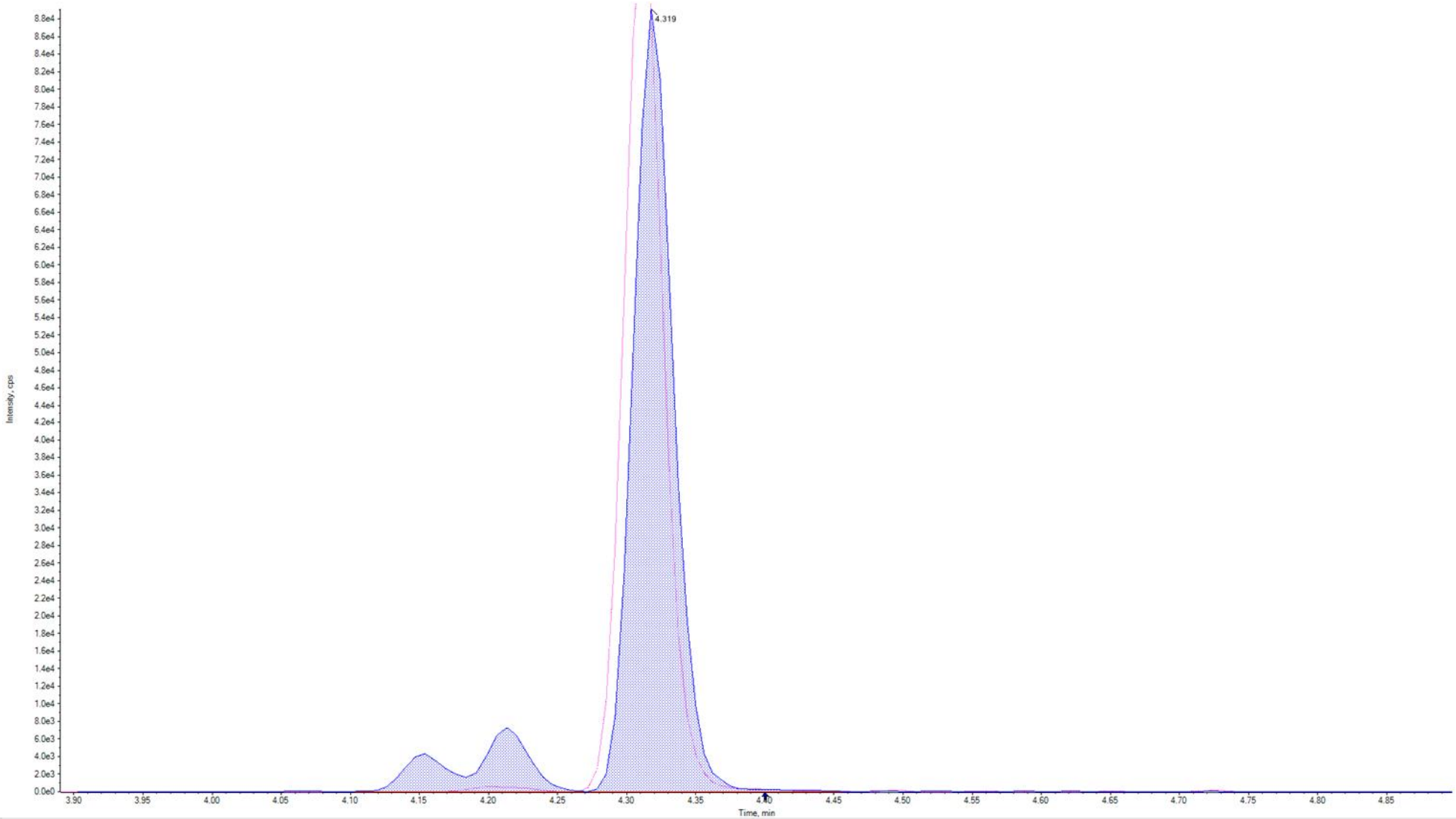
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

NMeFOSAA_2
Sample: WG2011094-13,1633FMED S/N:690.6 Points Across peak:47



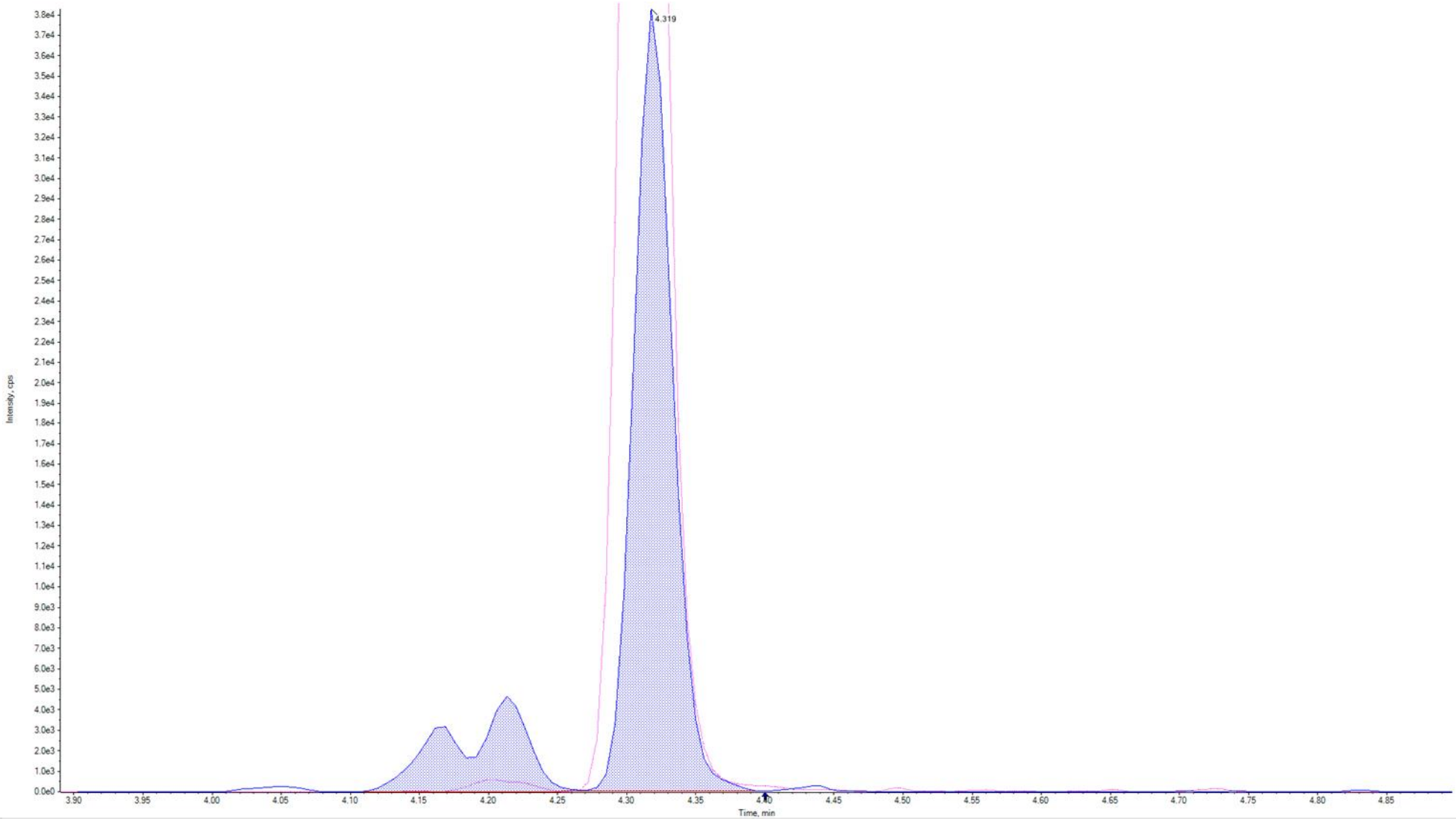
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

NEtFOSAA
Sample: WG2011094-13,1633FMED S/N:940.7 Points Across peak:58



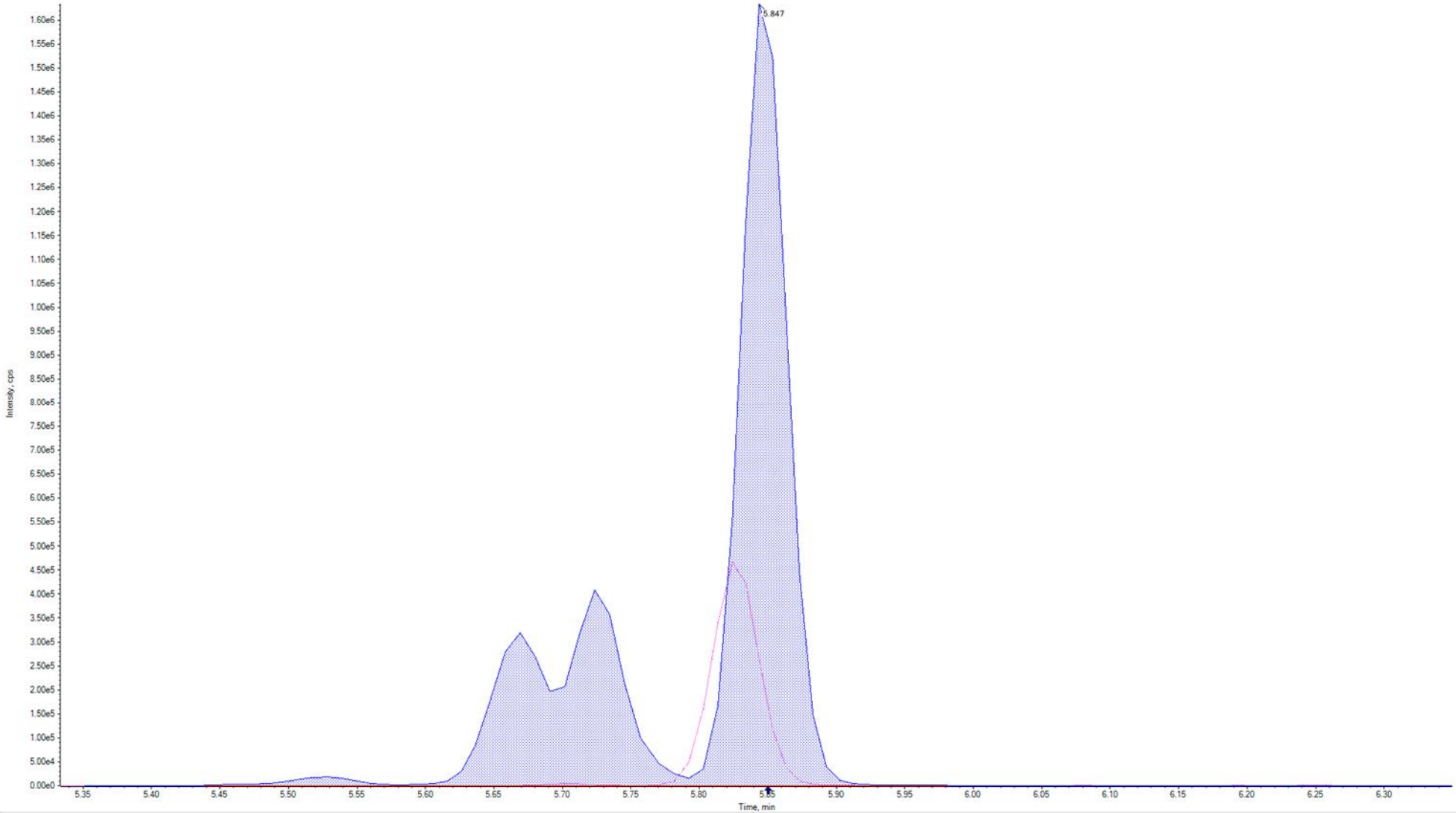
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

NEtFOSAA_2
Sample: WG2011094-13,1633FMED S/N:458.2 Points Across peak:46



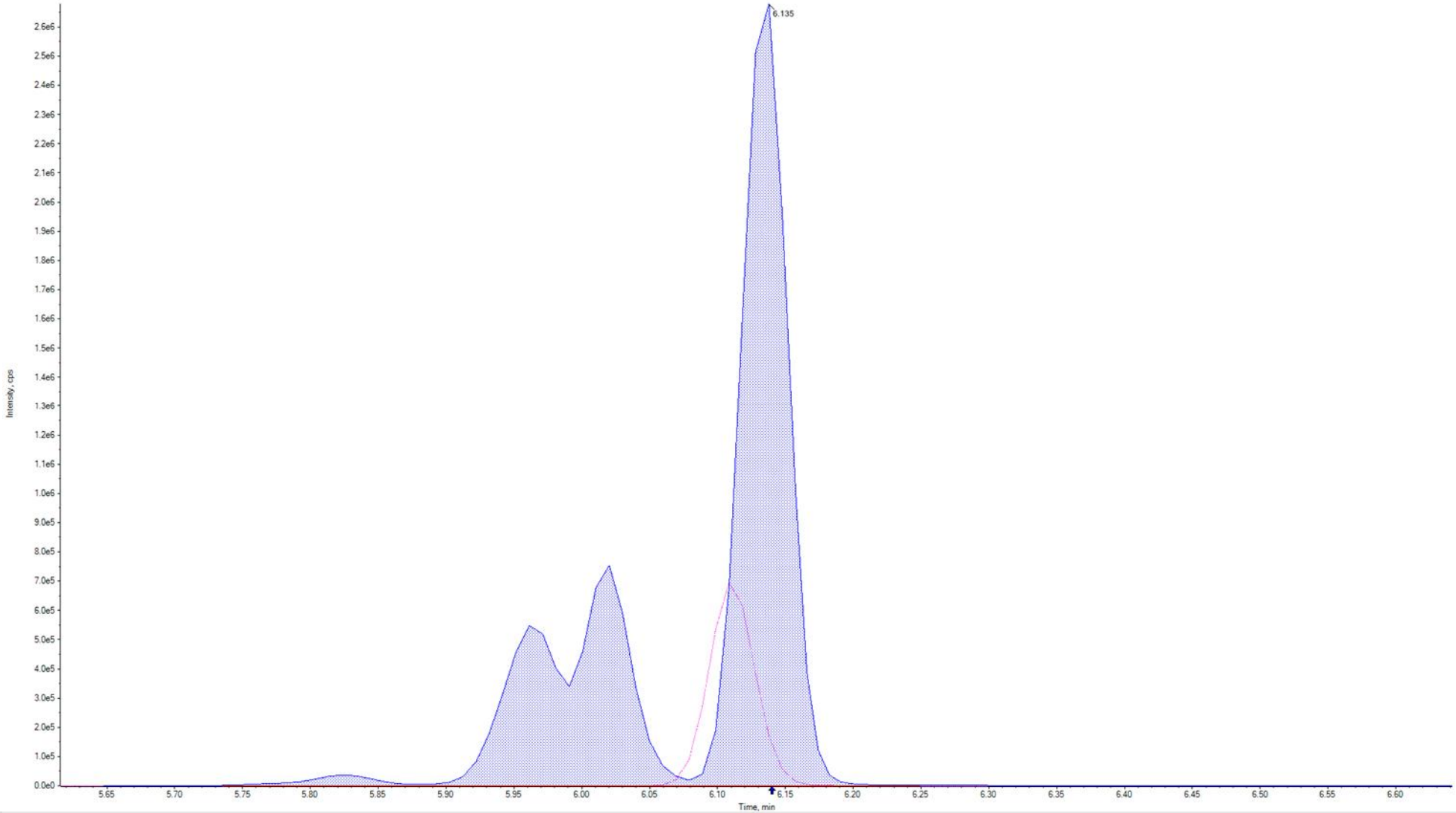
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

NMeFOSE
Sample: WG2011094-13,1633FMED S/N:211.6 Points Across peak:60



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

NEtFOSE
Sample: WG2011094-13,1633FMED S/N:426.4 Points Across peak:60



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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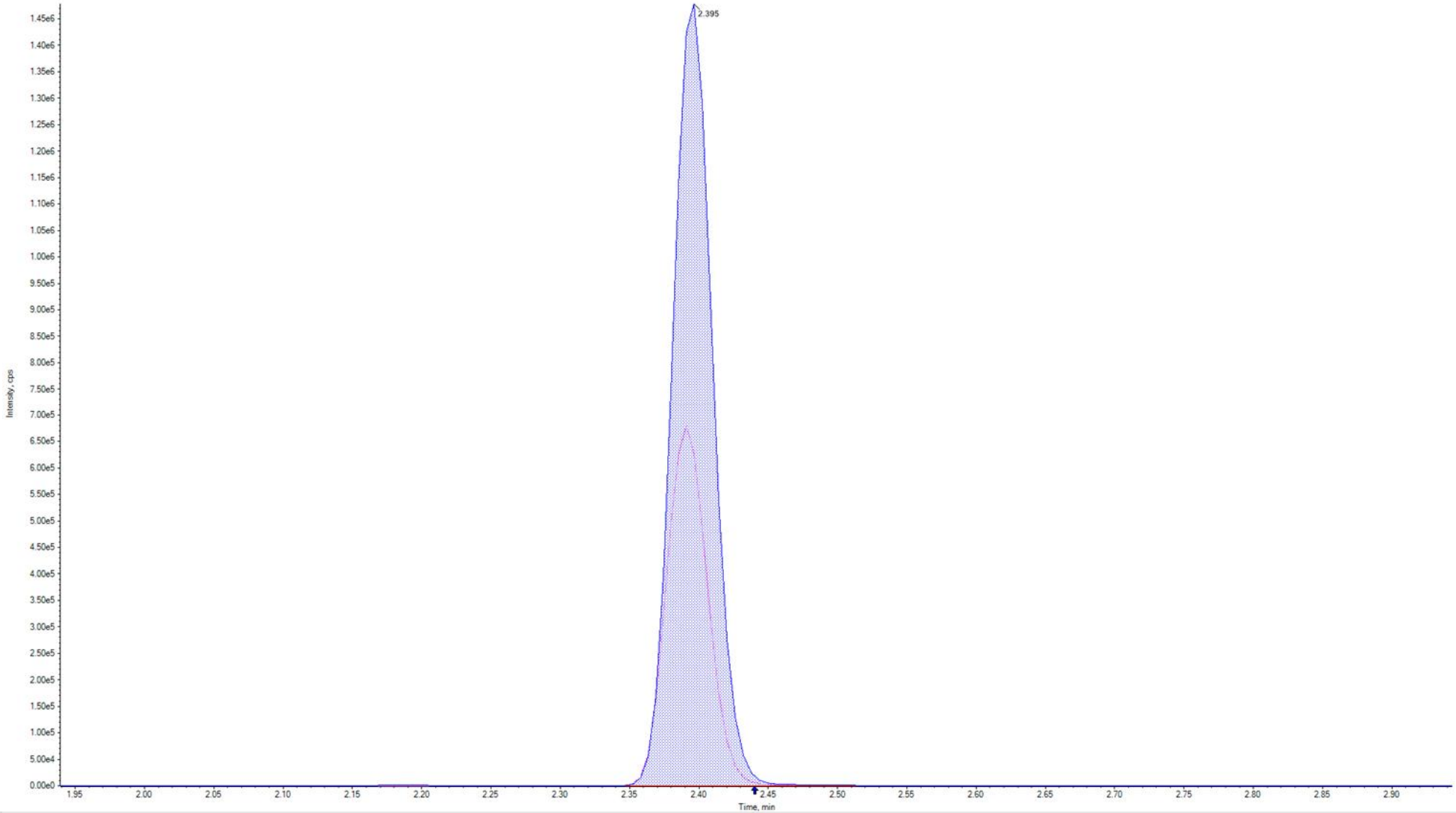
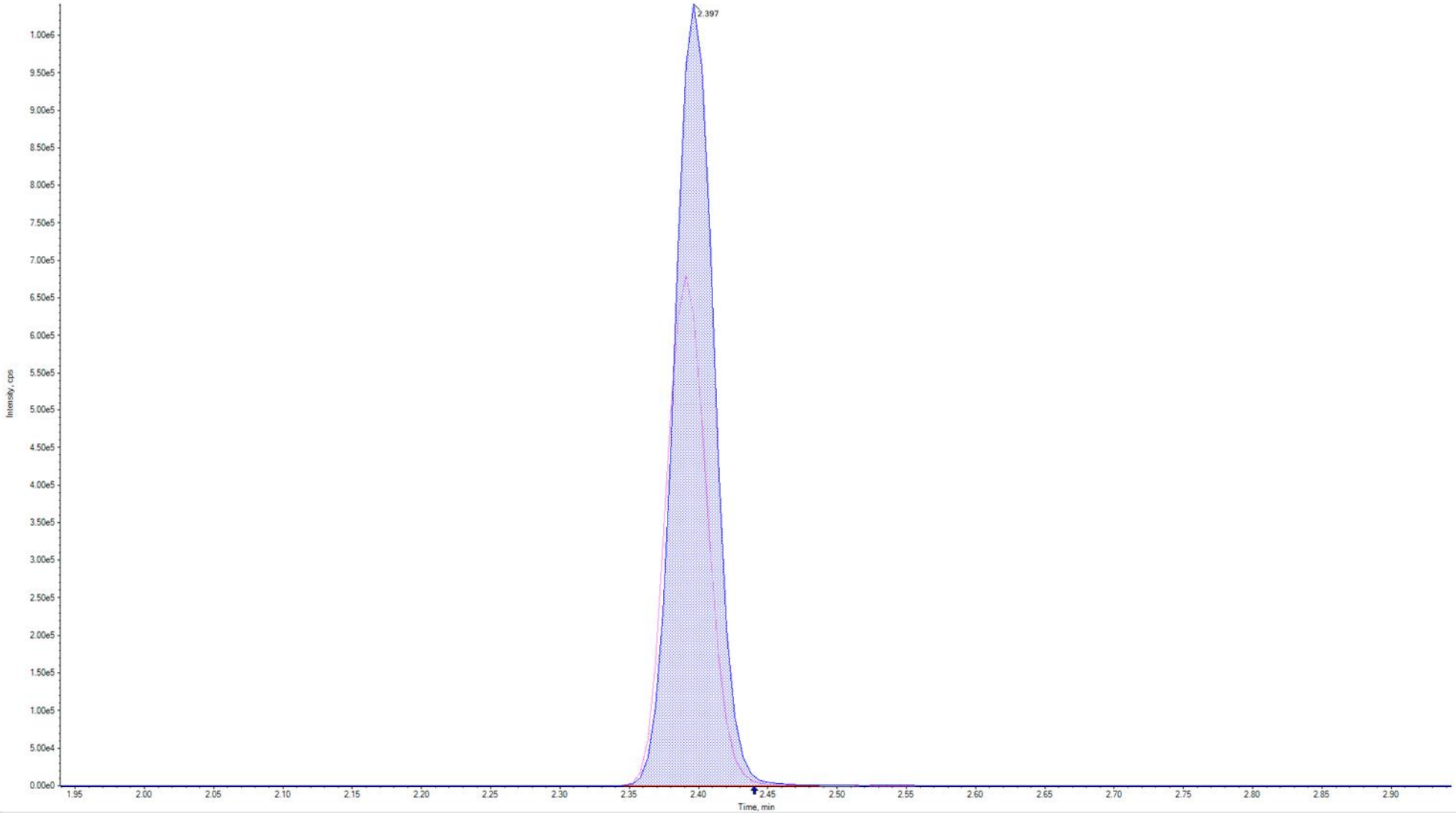
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

HFPO-DA
Sample: WG2011094-13,1633FMED S/N:6878.9 Points Across peak:43



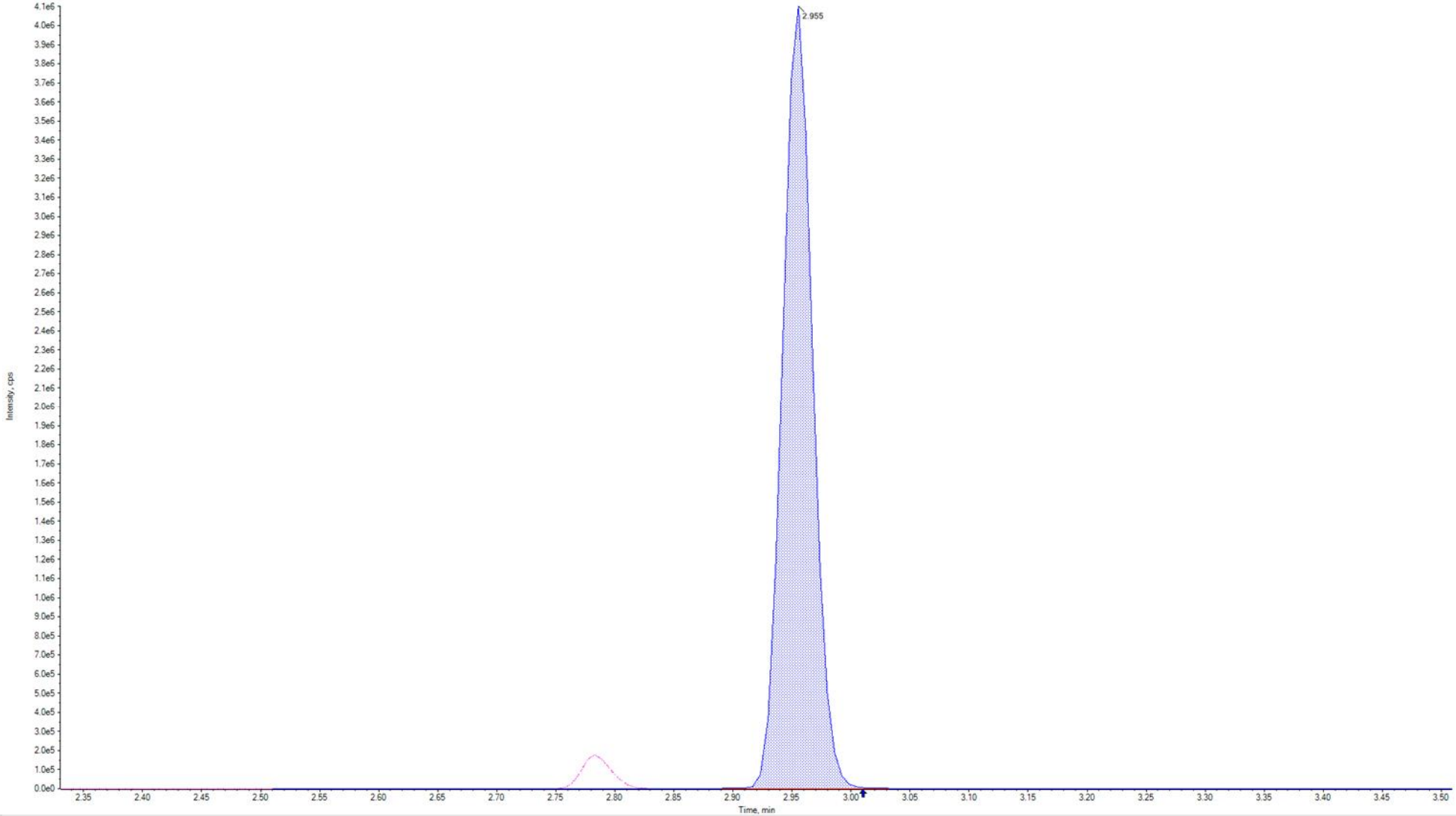
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

HFPO-DA_2
Sample: WG2011094-13,1633FMED S/N:5112.6 Points Across peak:29



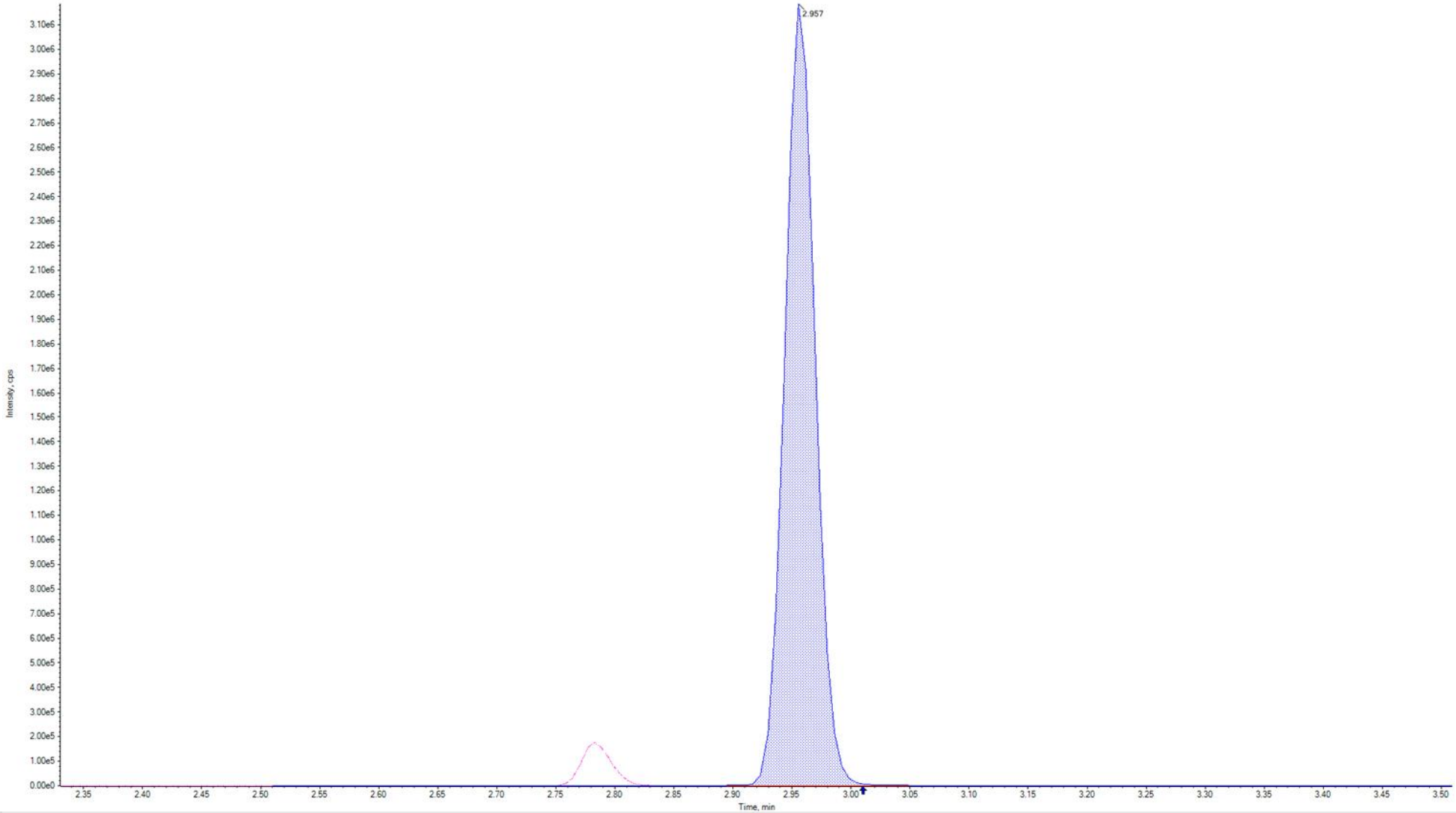
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

ADONA
Sample: WG2011094-13,1633FMED S/N:15085.9 Points Across peak:30



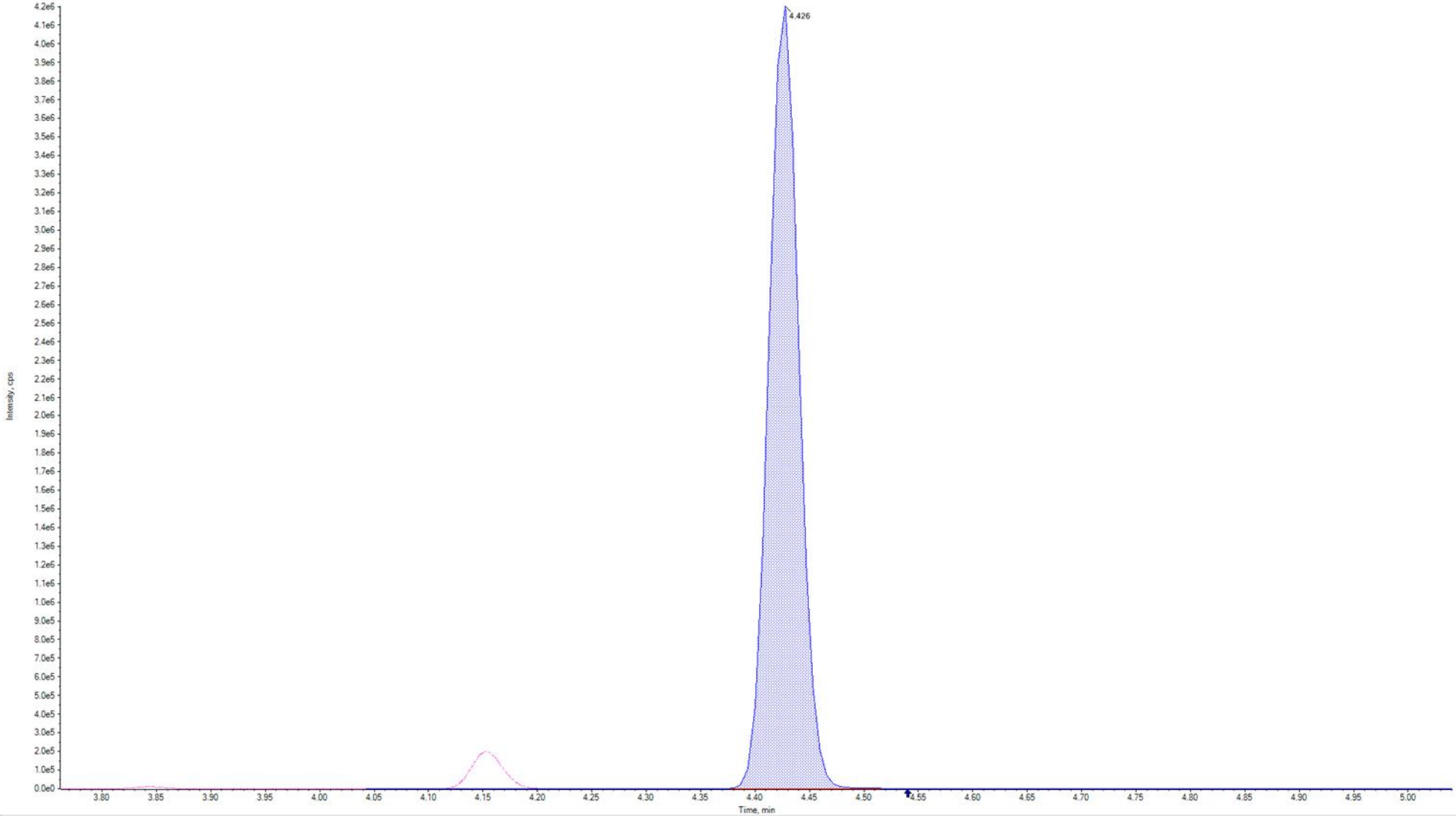
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

ADONA_2
Sample: WG2011094-13,1633FMED S/N:8076.9 Points Across peak:35



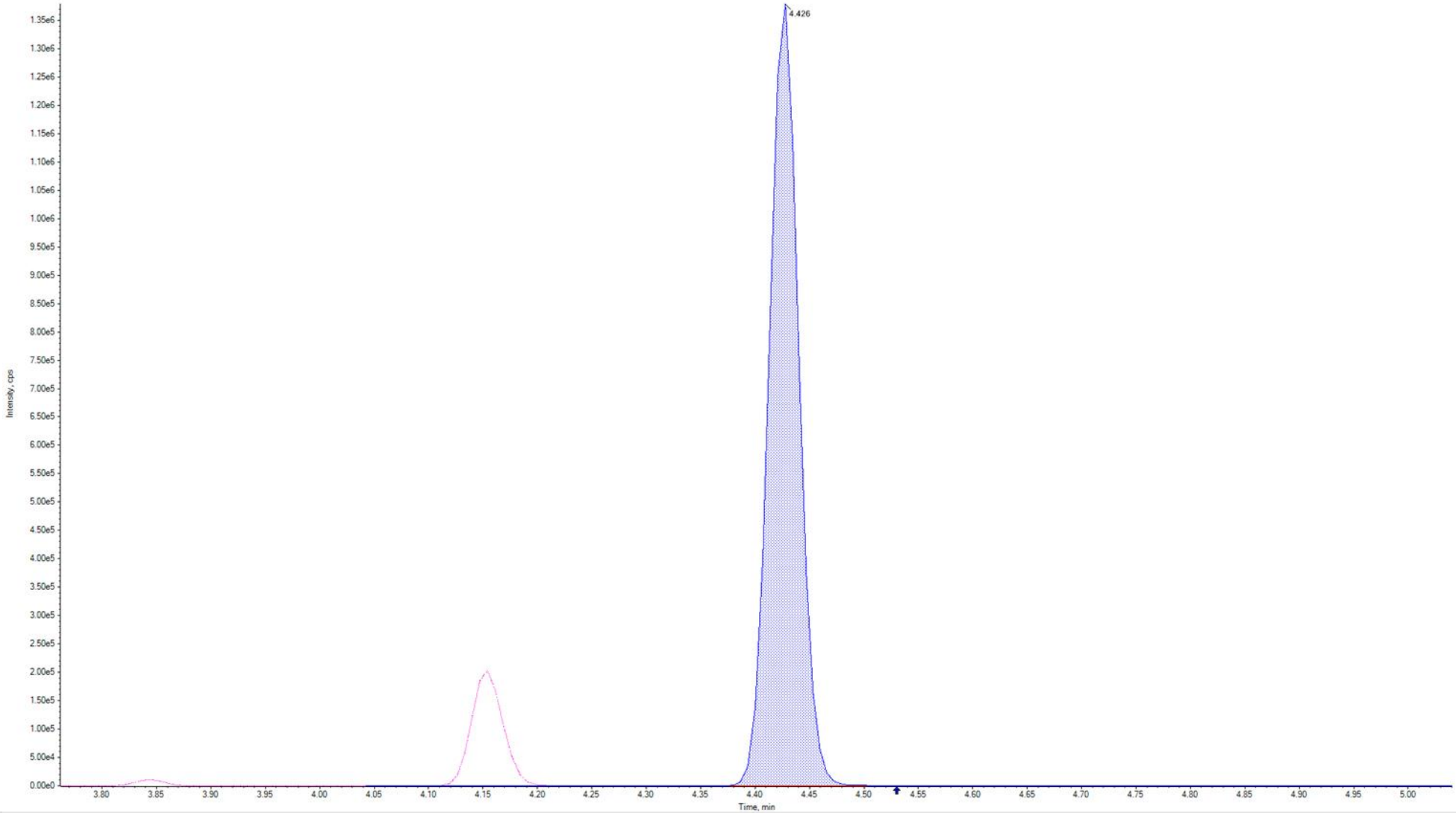
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

9Cl-PF3ONS
Sample: WG2011094-13,1633FMED S/N:9439.5 Points Across peak:38



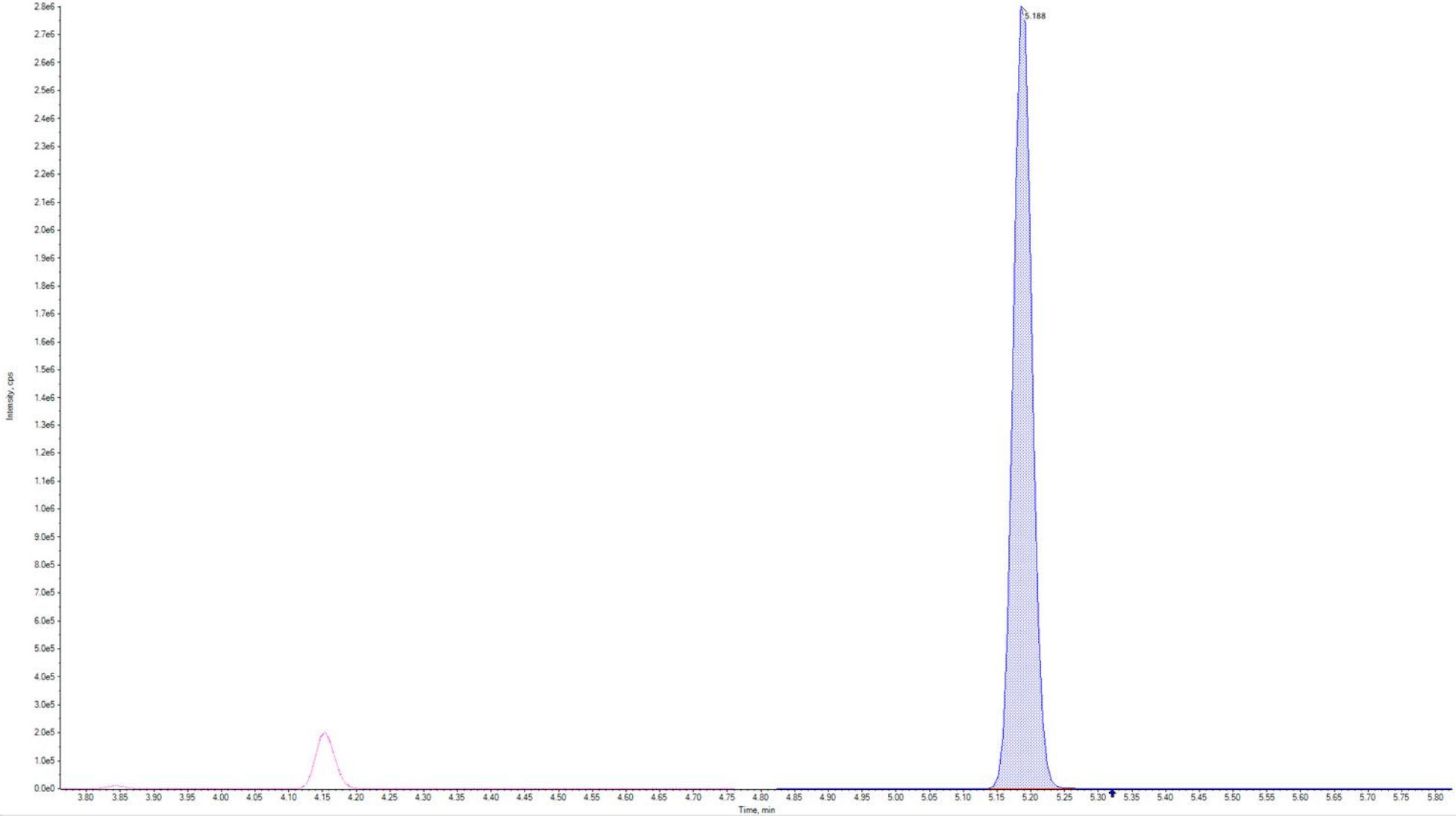
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

9Cl-PF3ONS_2
Sample: WG2011094-13,1633FMED S/N:9375.1 Points Across peak:27



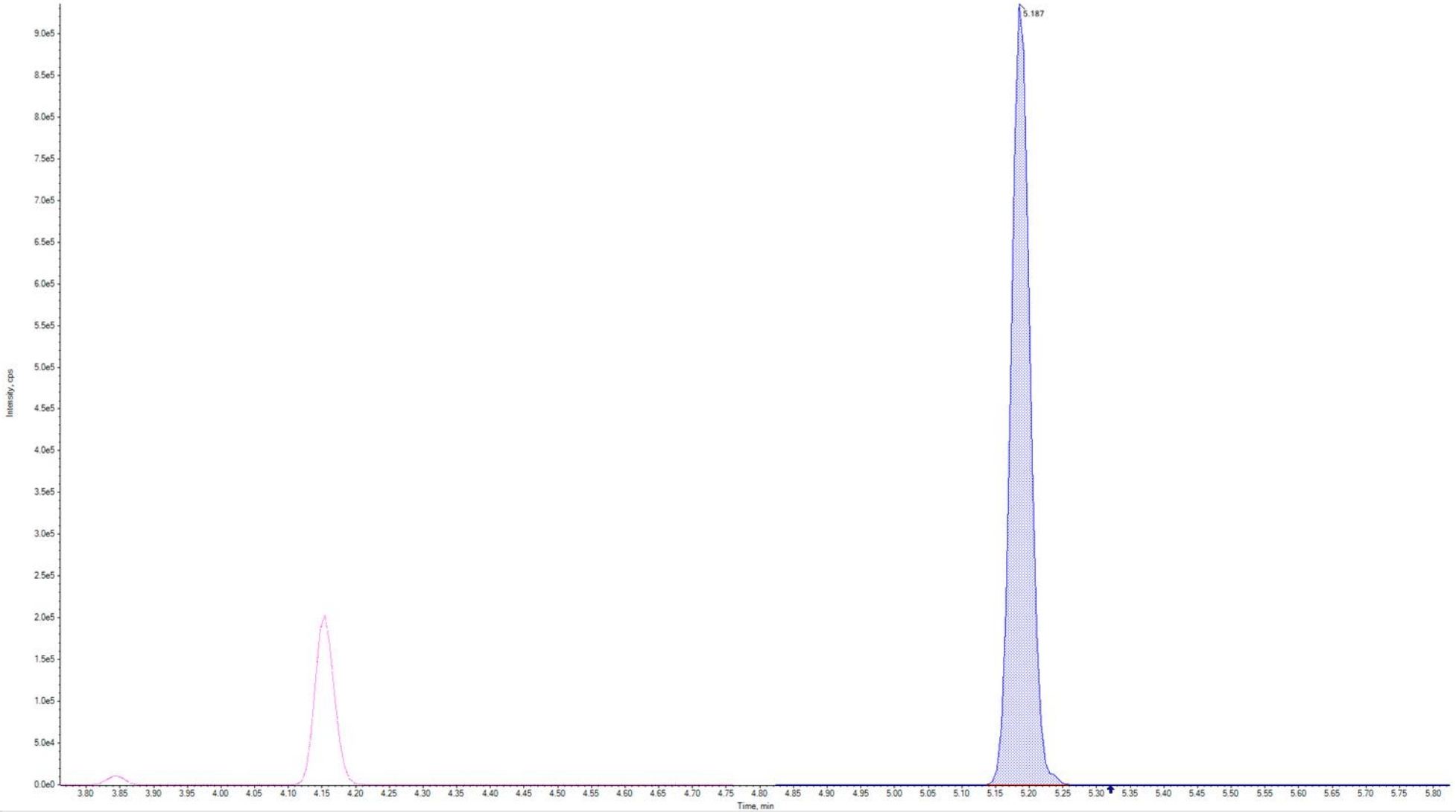
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

11Cl-PF3OUdS
Sample: WG2011094-13,1633FMED S/N:133440.3 Points Across peak:28



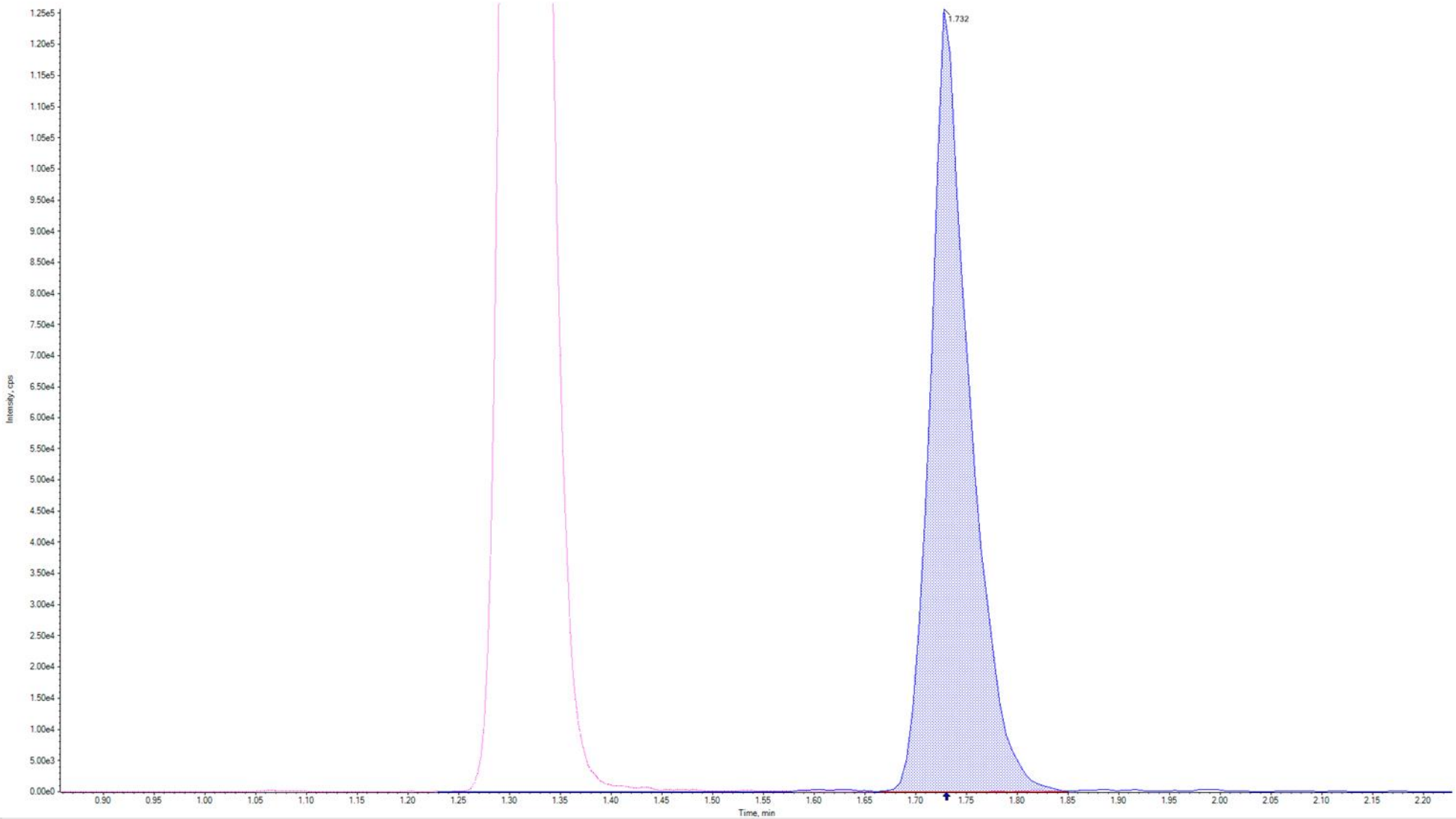
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

11Cl-PF3OUdS_2
Sample: WG2011094-13,1633FMED S/N:8936.2 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

3:3FTCA
Sample: WG2011094-13,1633FMED S/N:3149.6 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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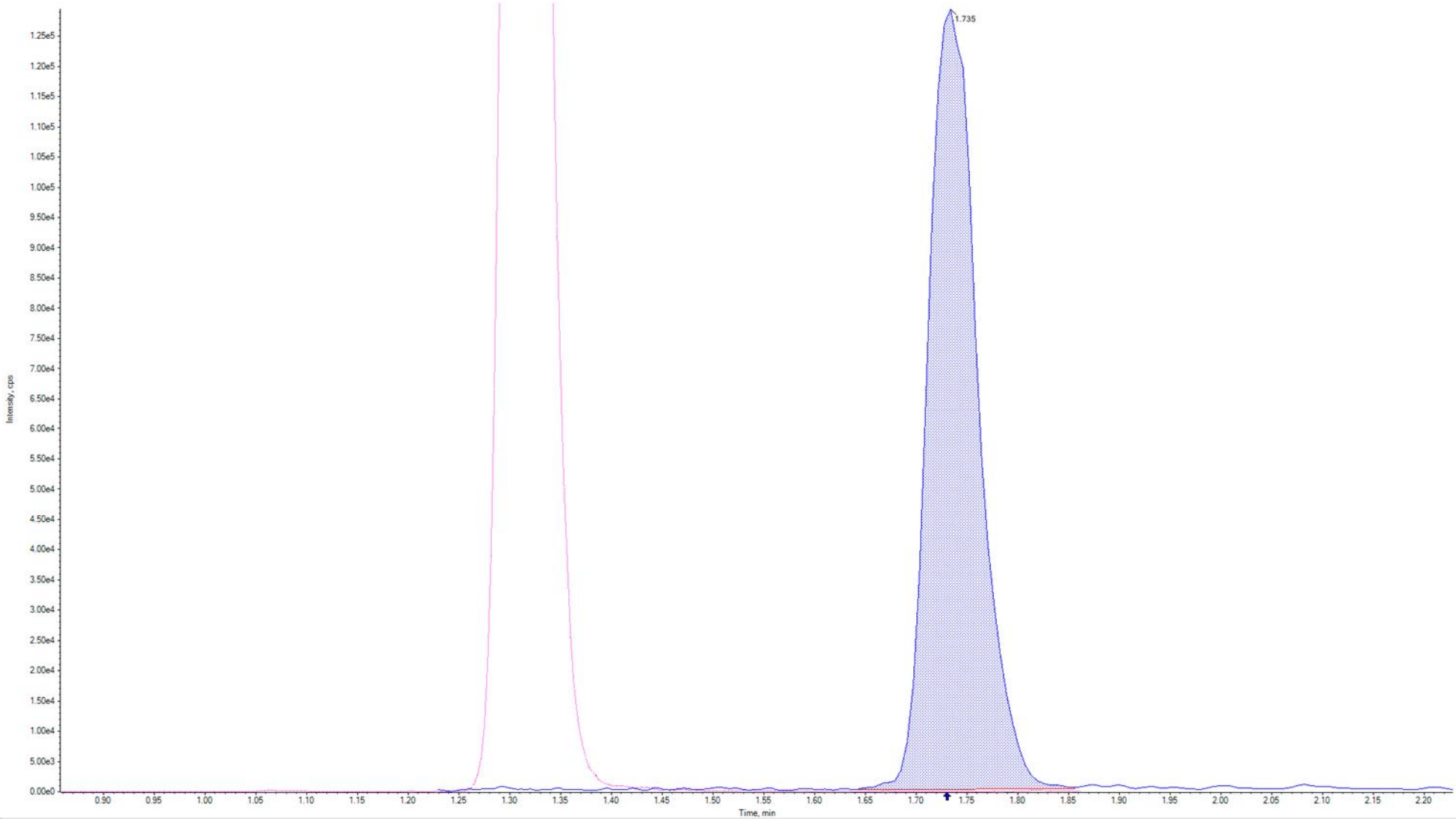
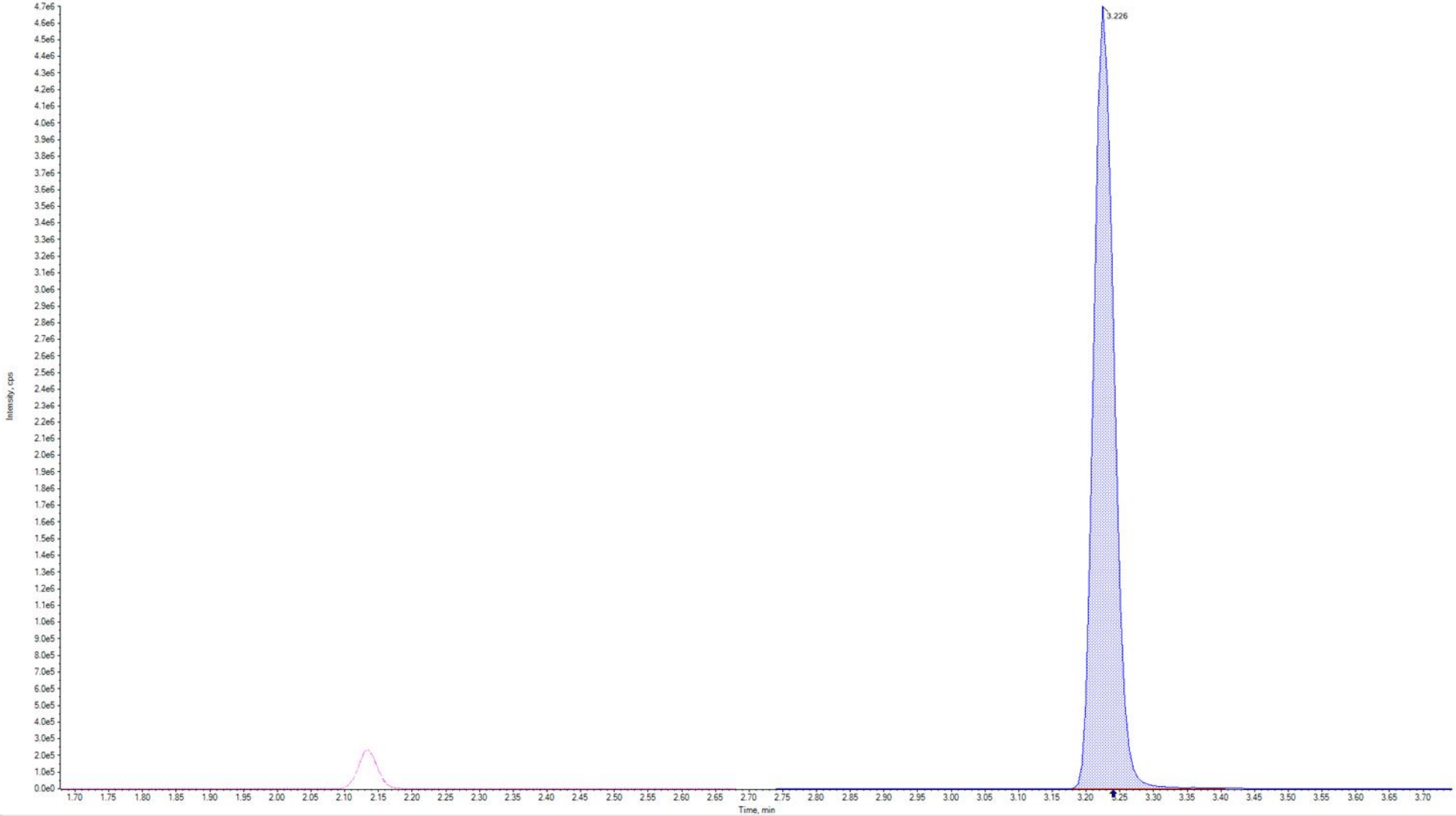
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

3:3FTCA_2
Sample: WG2011094-13,1633FMED S/N:2001.1 Points Across peak:38



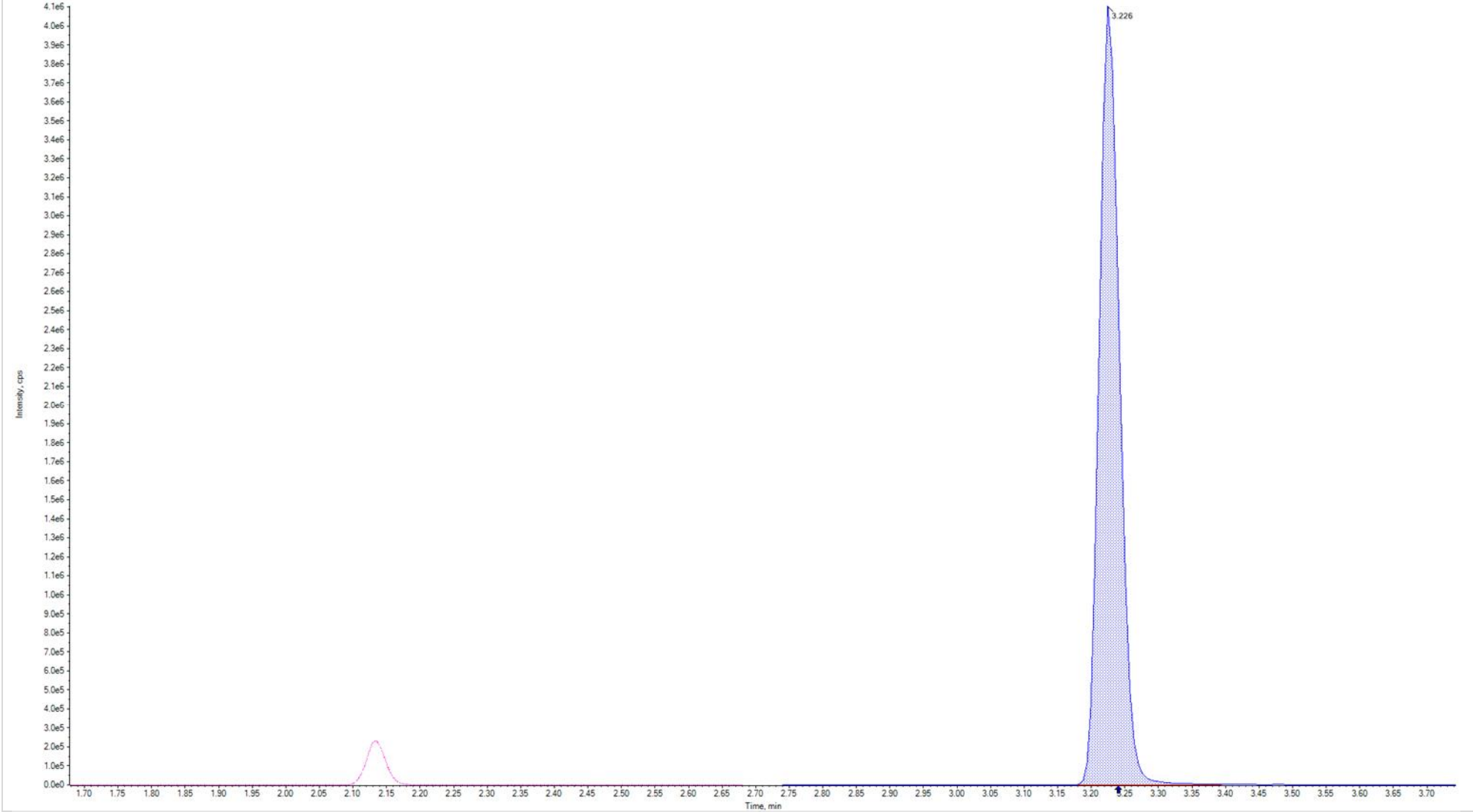
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

5:3FTCA
Sample: WG2011094-13,1633FMED S/N:7773.8 Points Across peak:40



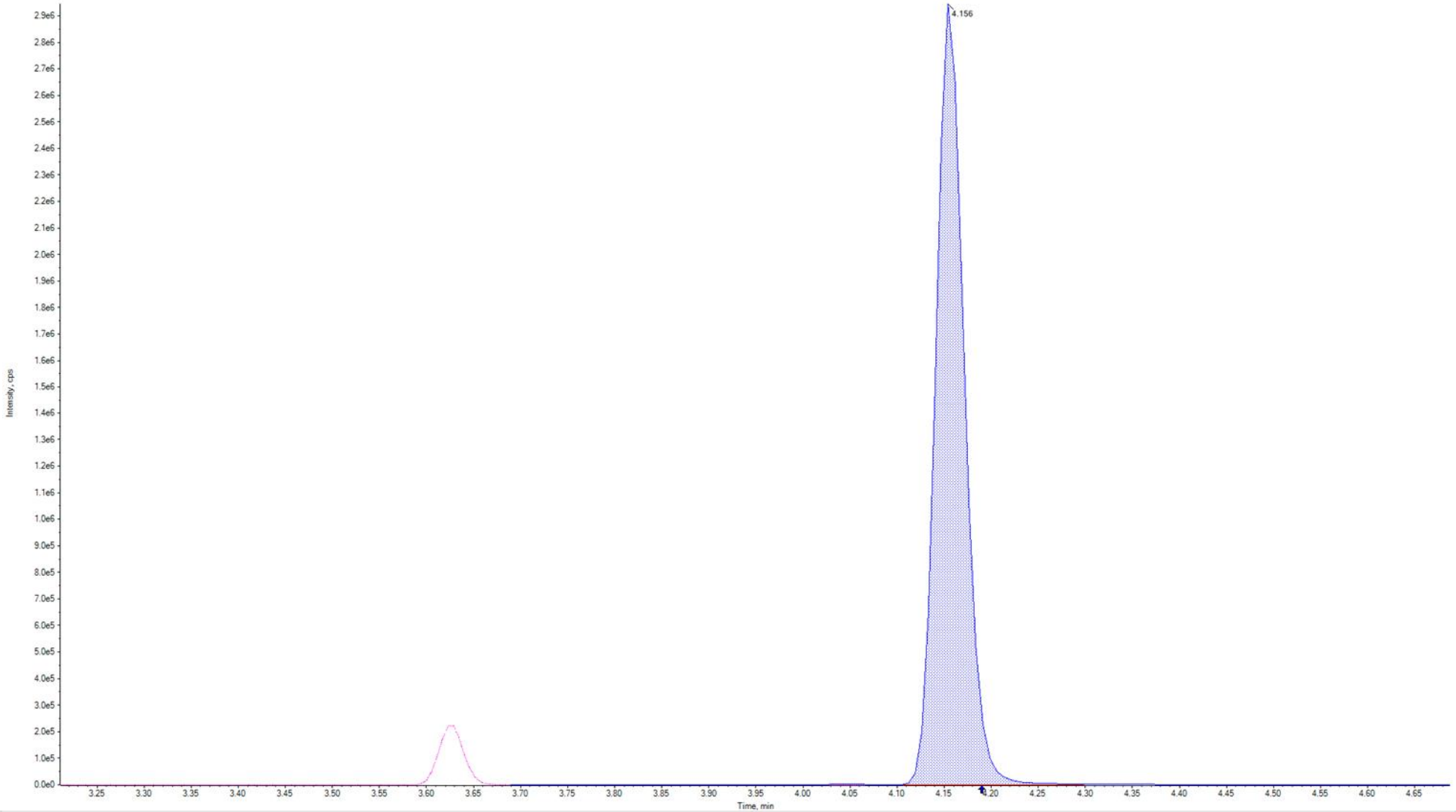
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

5:3FTCA_2
Sample: WG2011094-13,1633FMED S/N:92597.1 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

7:3FTCA
Sample: WG2011094-13,1633FMED S/N:81194.7 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
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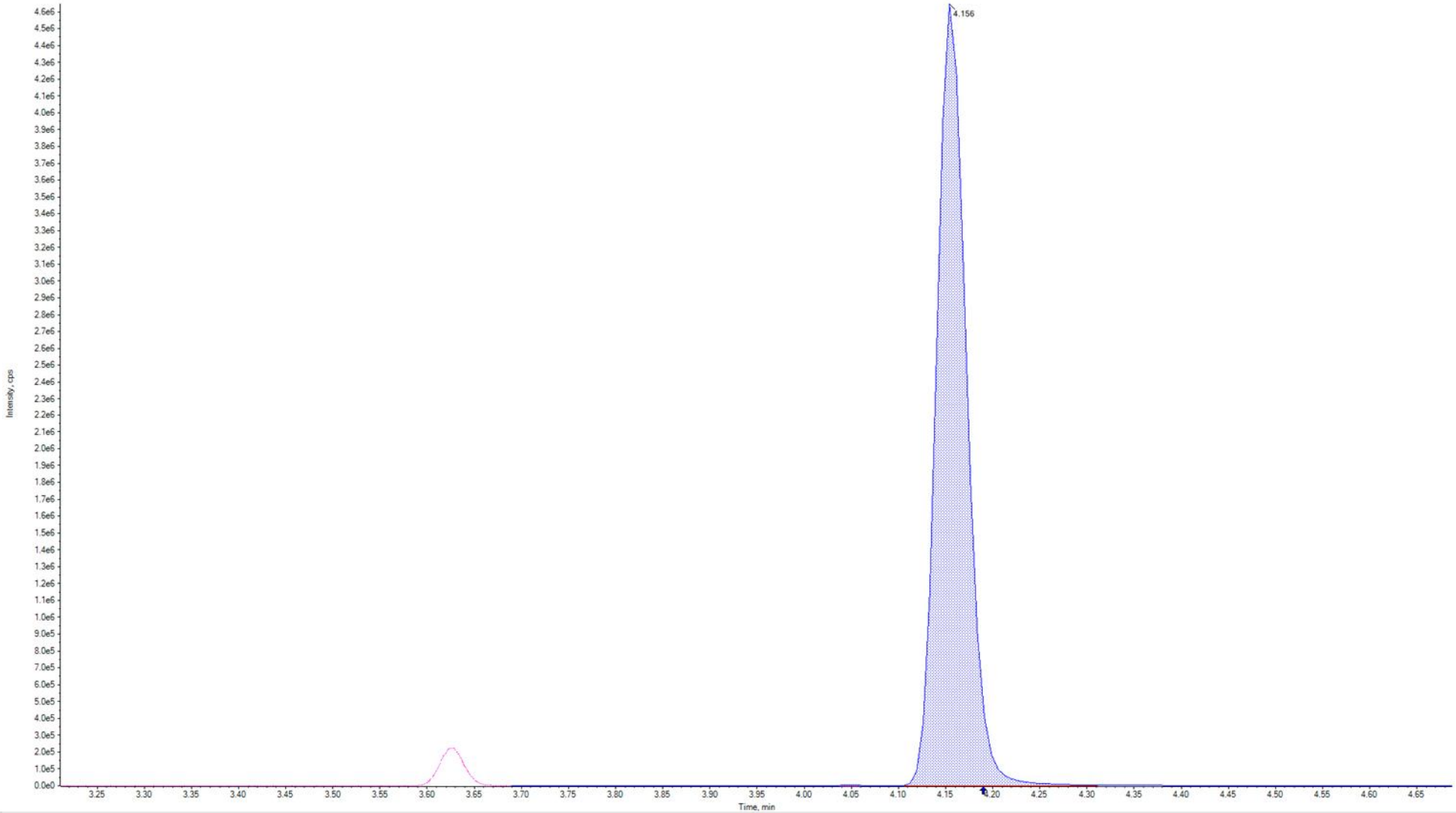
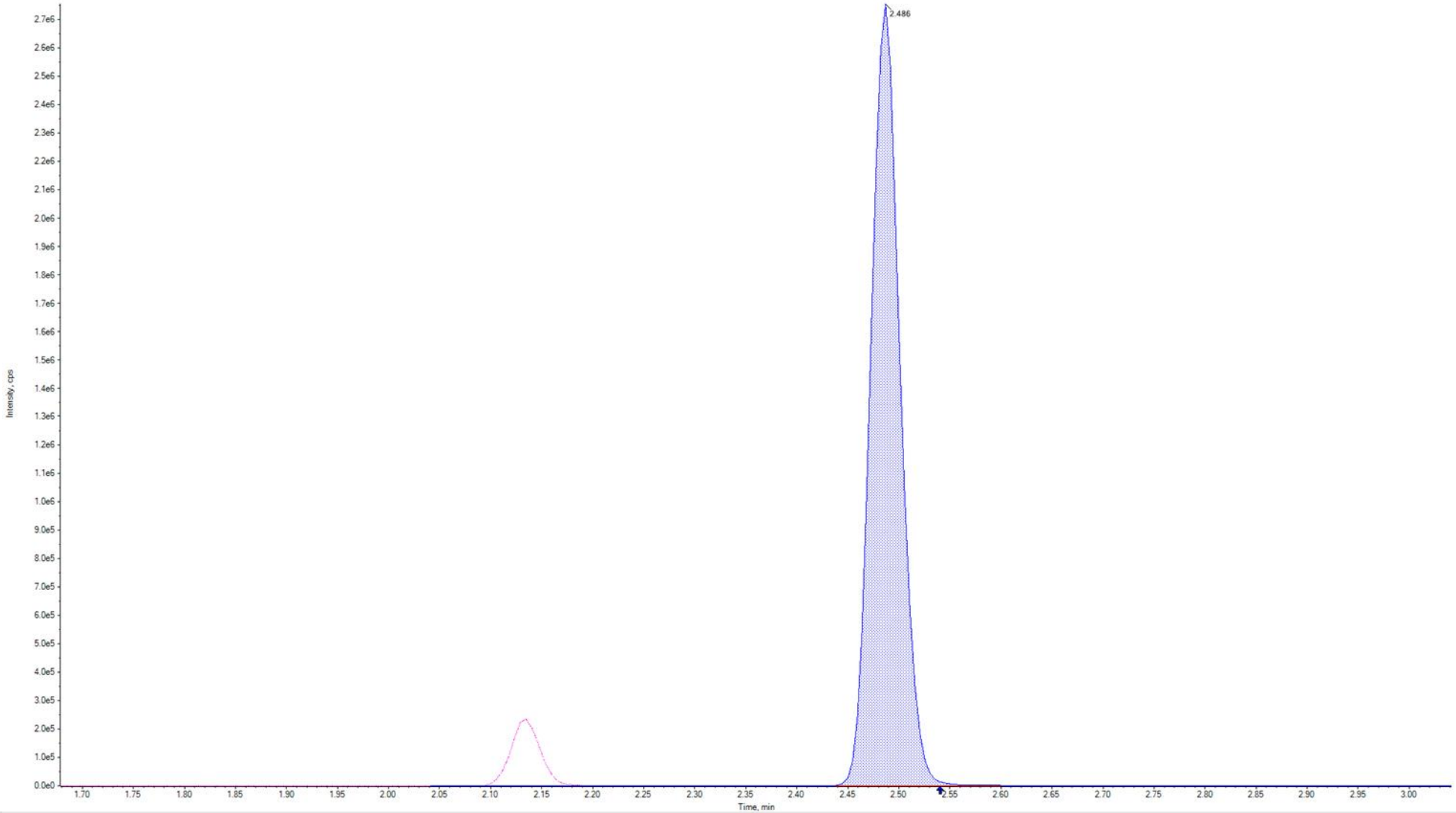
7:3FTCA_2
Sample: WG2011094-13,1633FMED S/N:3719.6 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_76.wiff2_15
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFEESA
Sample: WG2011094-13,1633FMED S/N:62152.2 Points Across peak:41



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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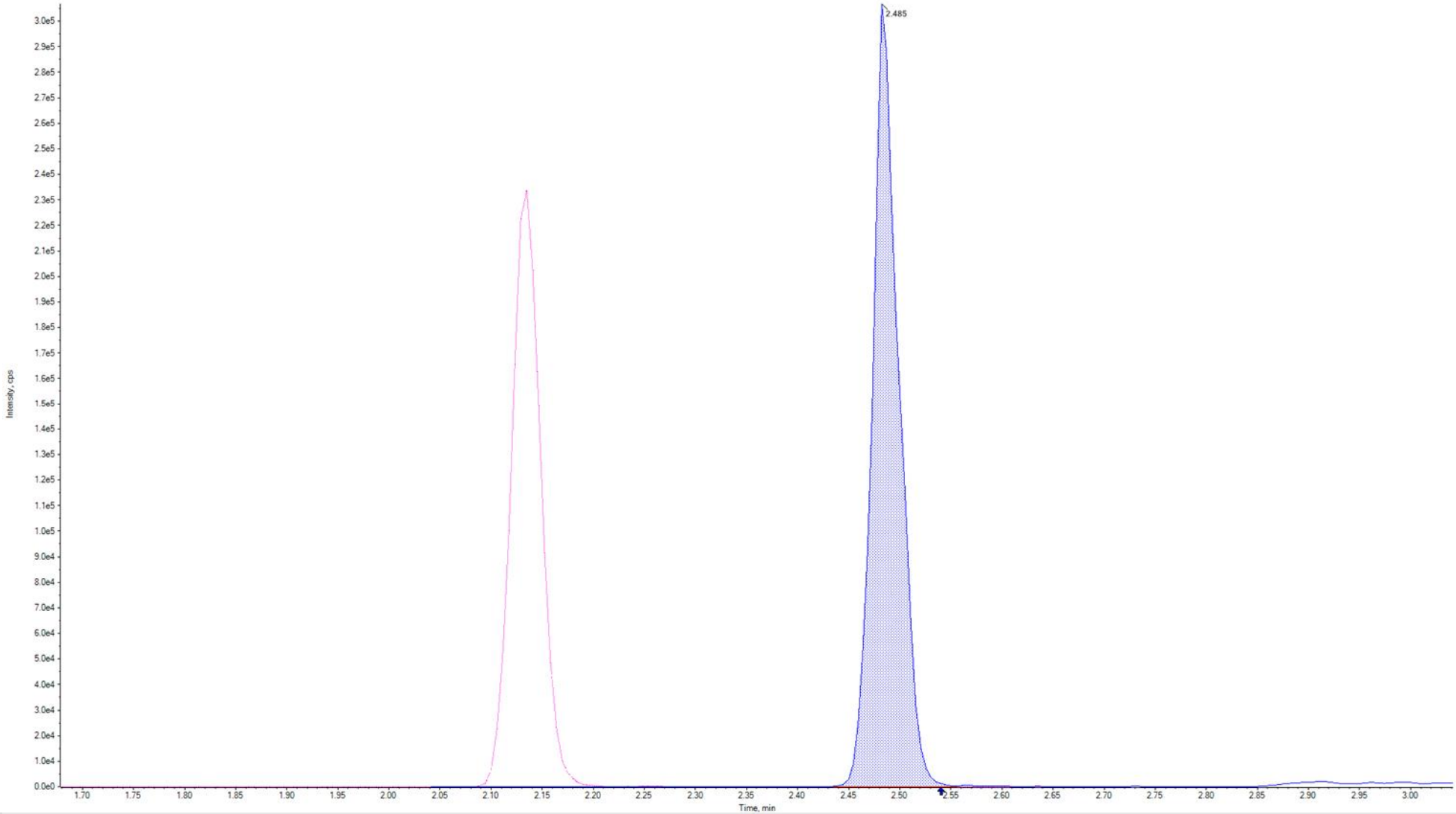
Generated: 12/19/2024 2:27:31 PM

PFEESA_2
Sample: WG2011094-13,1633FMED S/N:6920.4 Points Across peak:28



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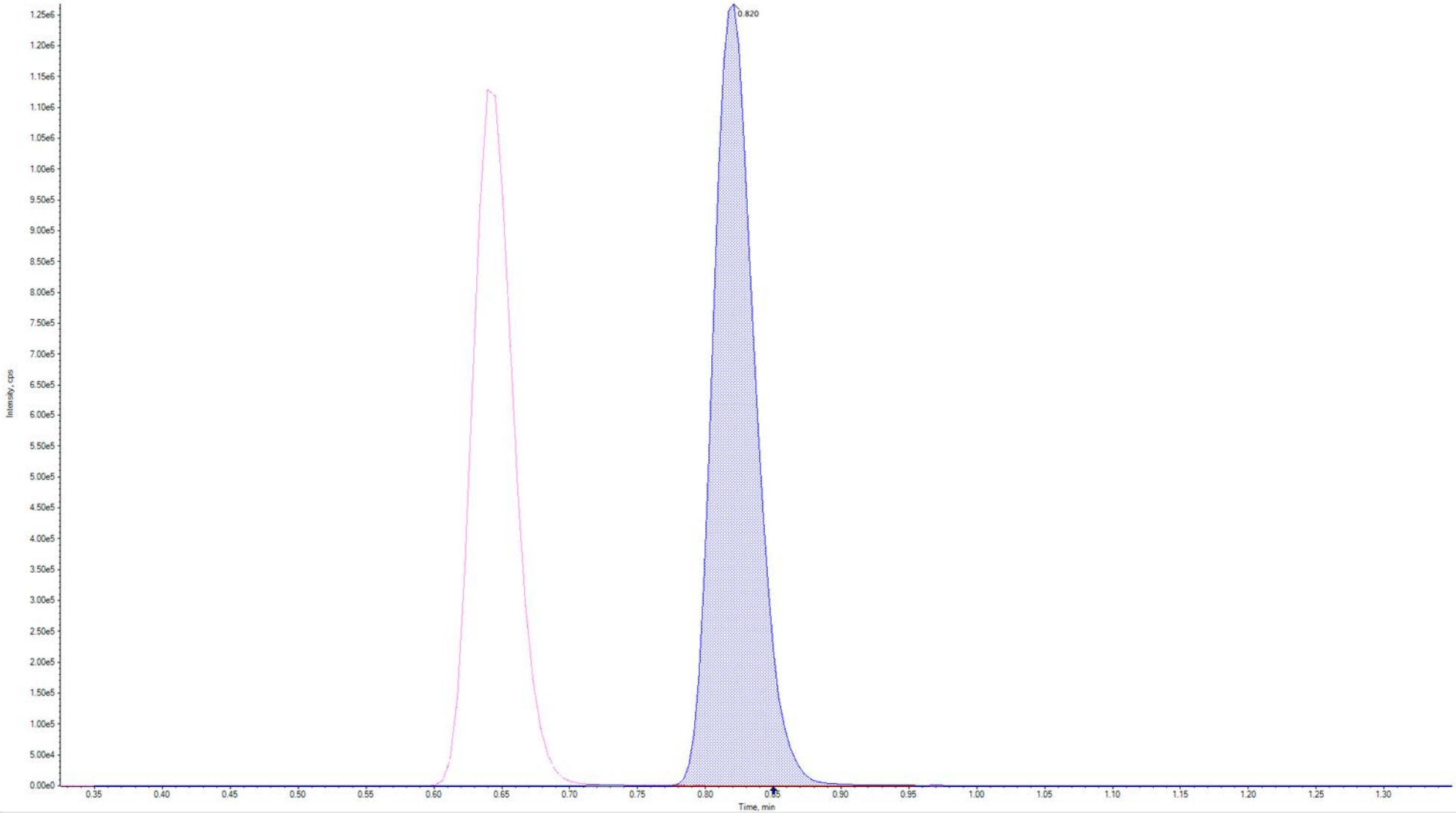
PFMPA
Sample: WG2011094-13,1633FMED S/N:22614.7 Points Across peak:48



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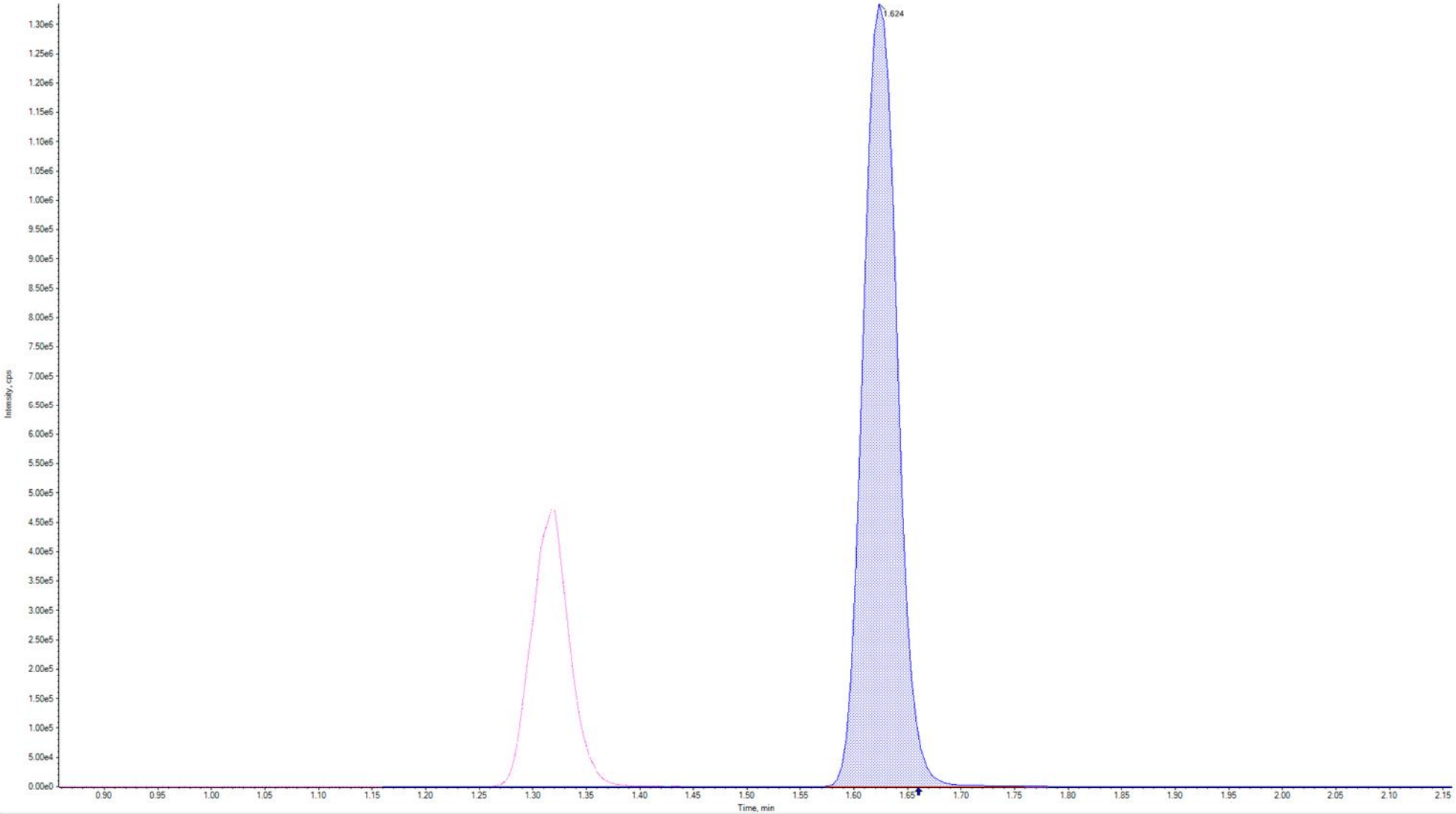
PFMBA
Sample: WG2011094-13,1633FMED S/N:76947.6 Points Across peak:43



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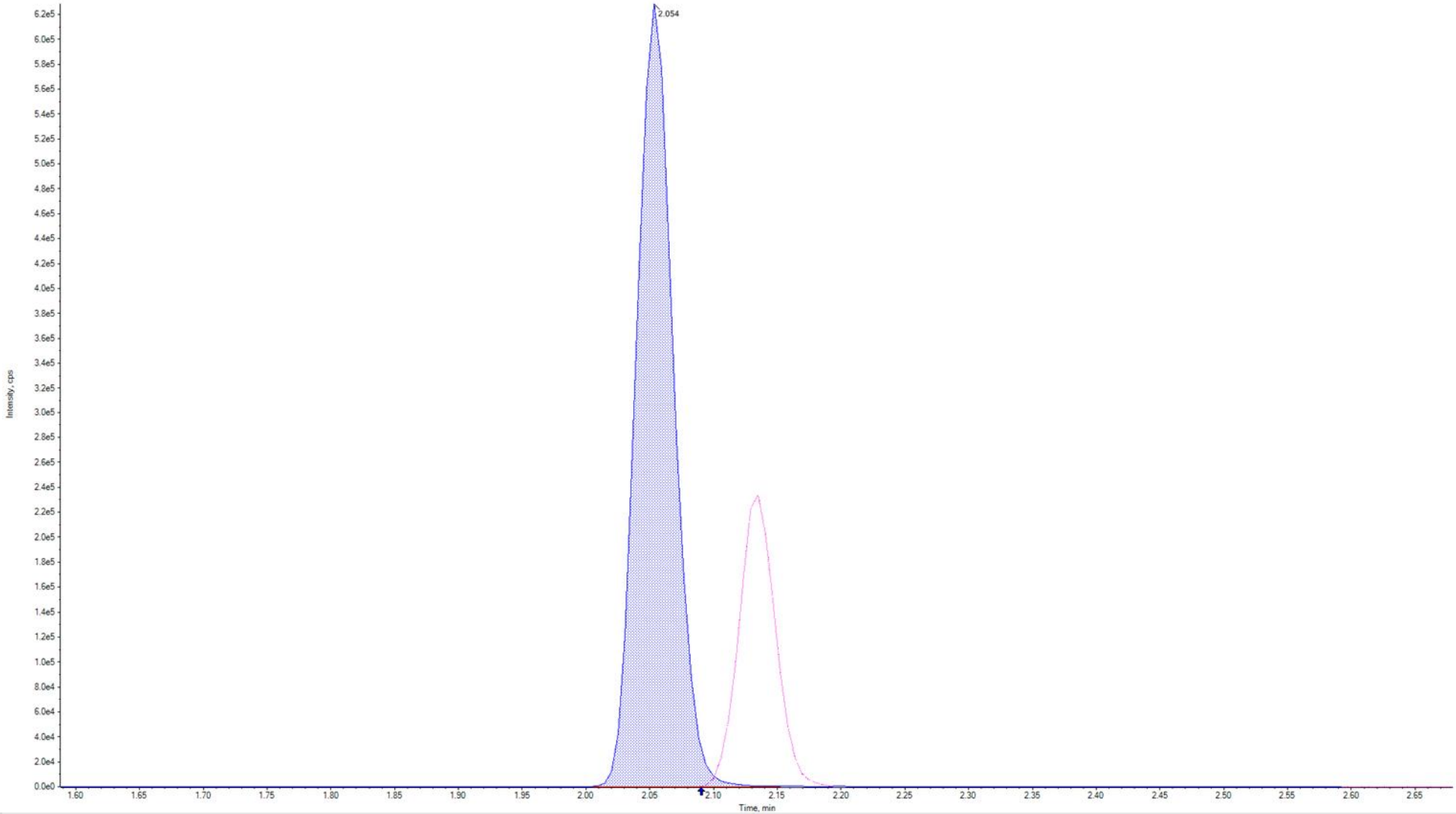
NFDHA
Sample: WG2011094-13,1633FMED S/N:9594.8 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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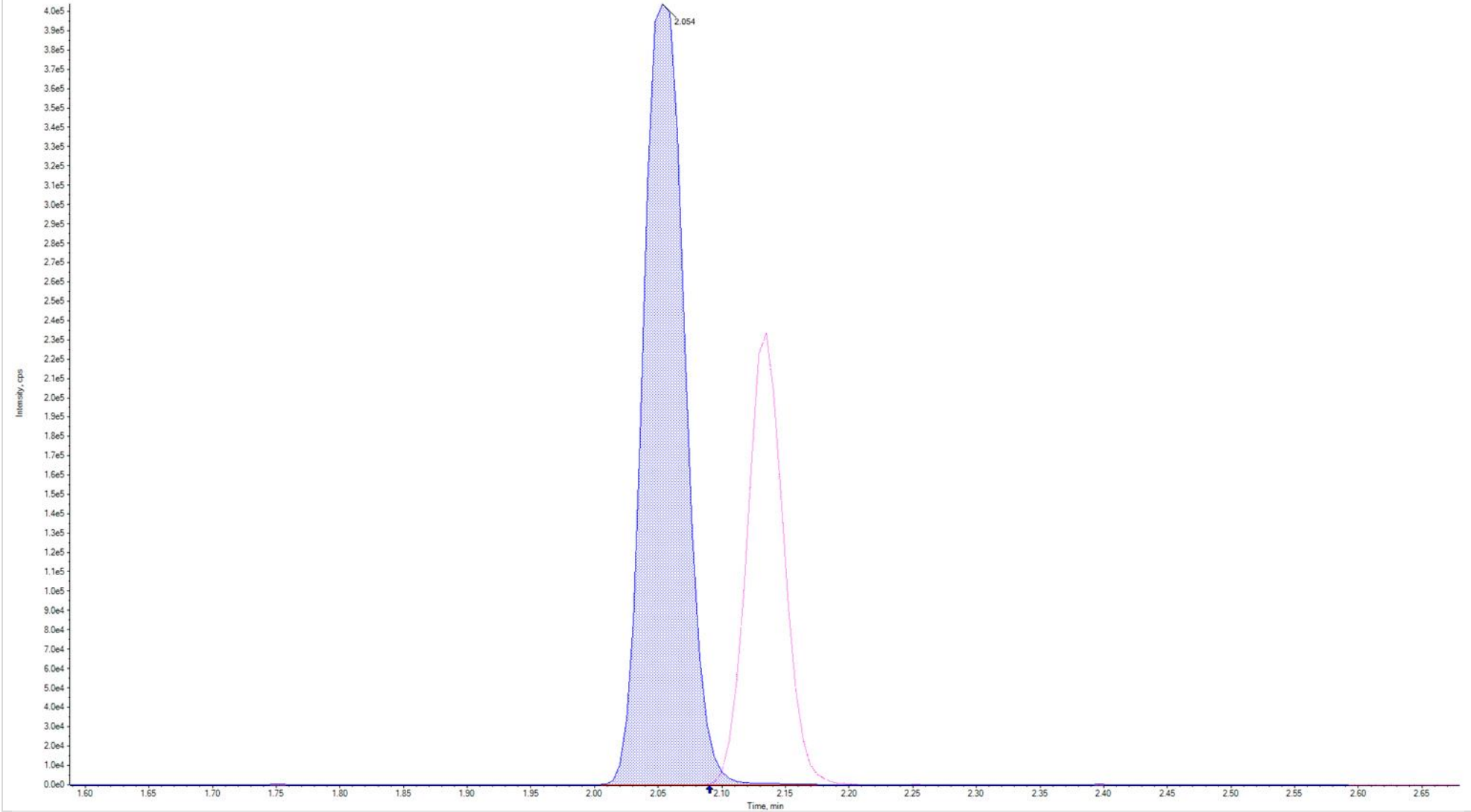
NFDHA_2
Sample: WG2011094-13,1633FMED S/N:11132.3 Points Across peak:37



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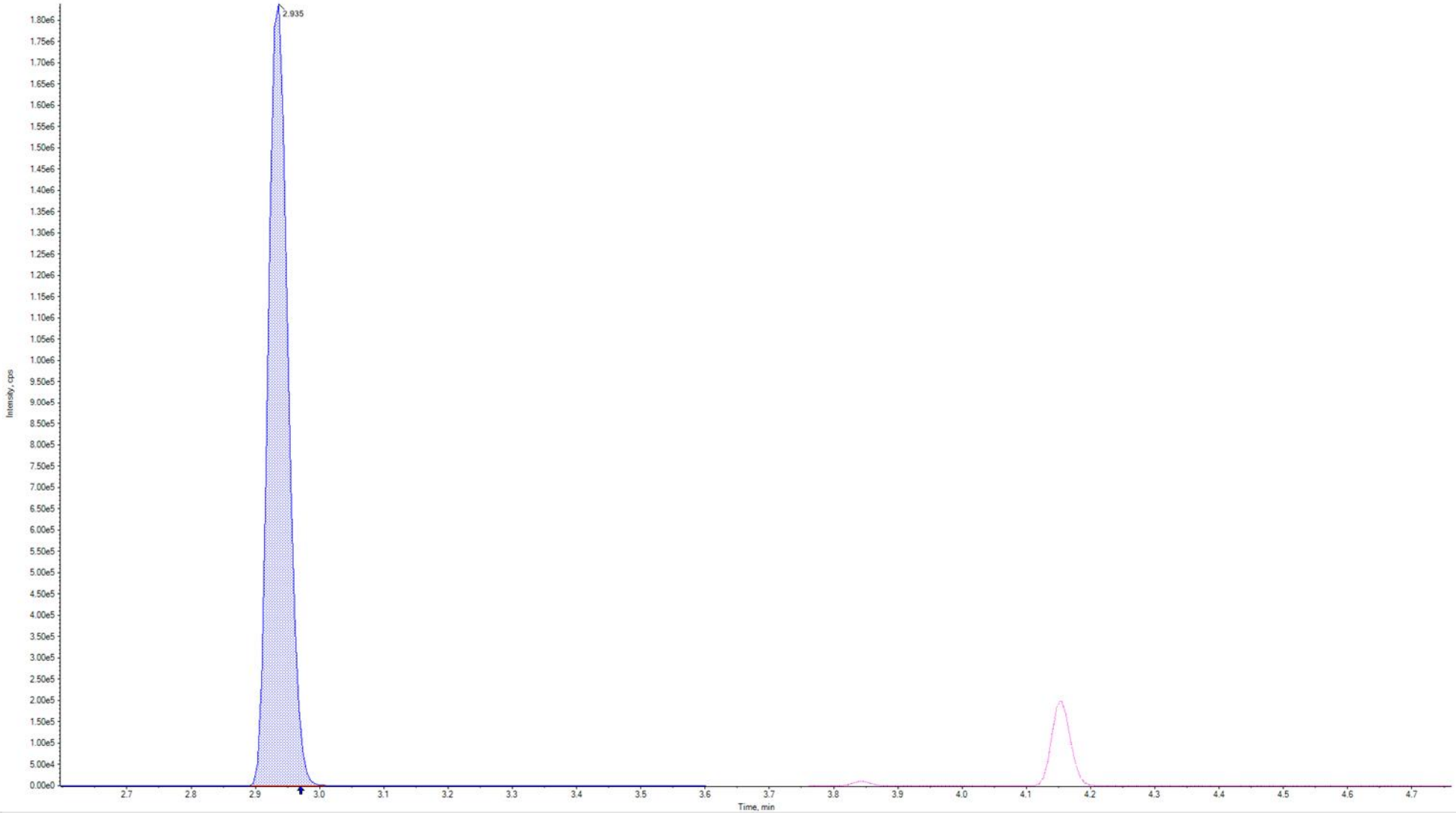
TDCA
Sample: WG2011094-13,1633FMED S/N:13176.5 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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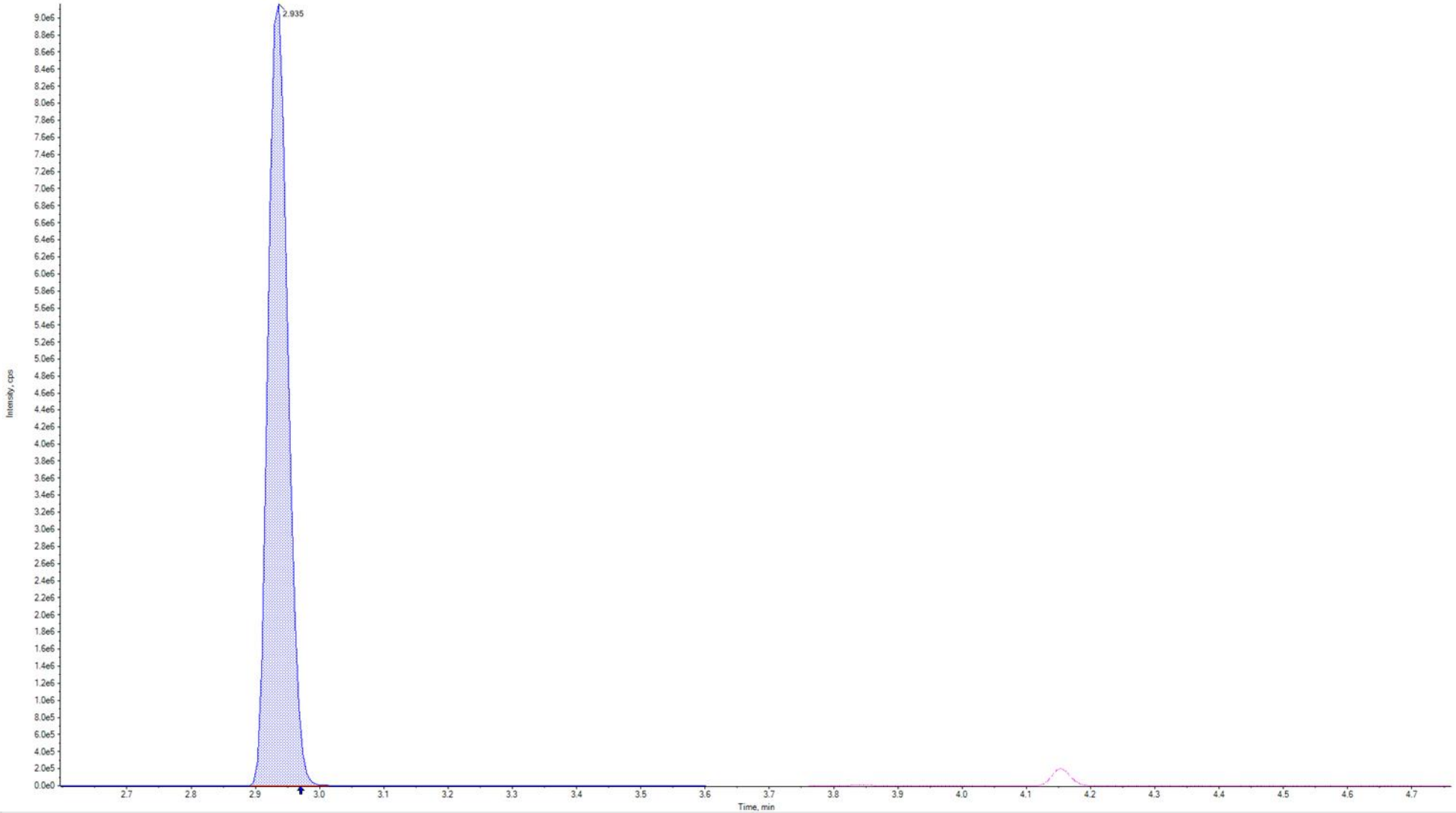
TDCA_2
Sample: WG2011094-13,1633FMED S/N:183760.8 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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13C2D4-4:2FTS
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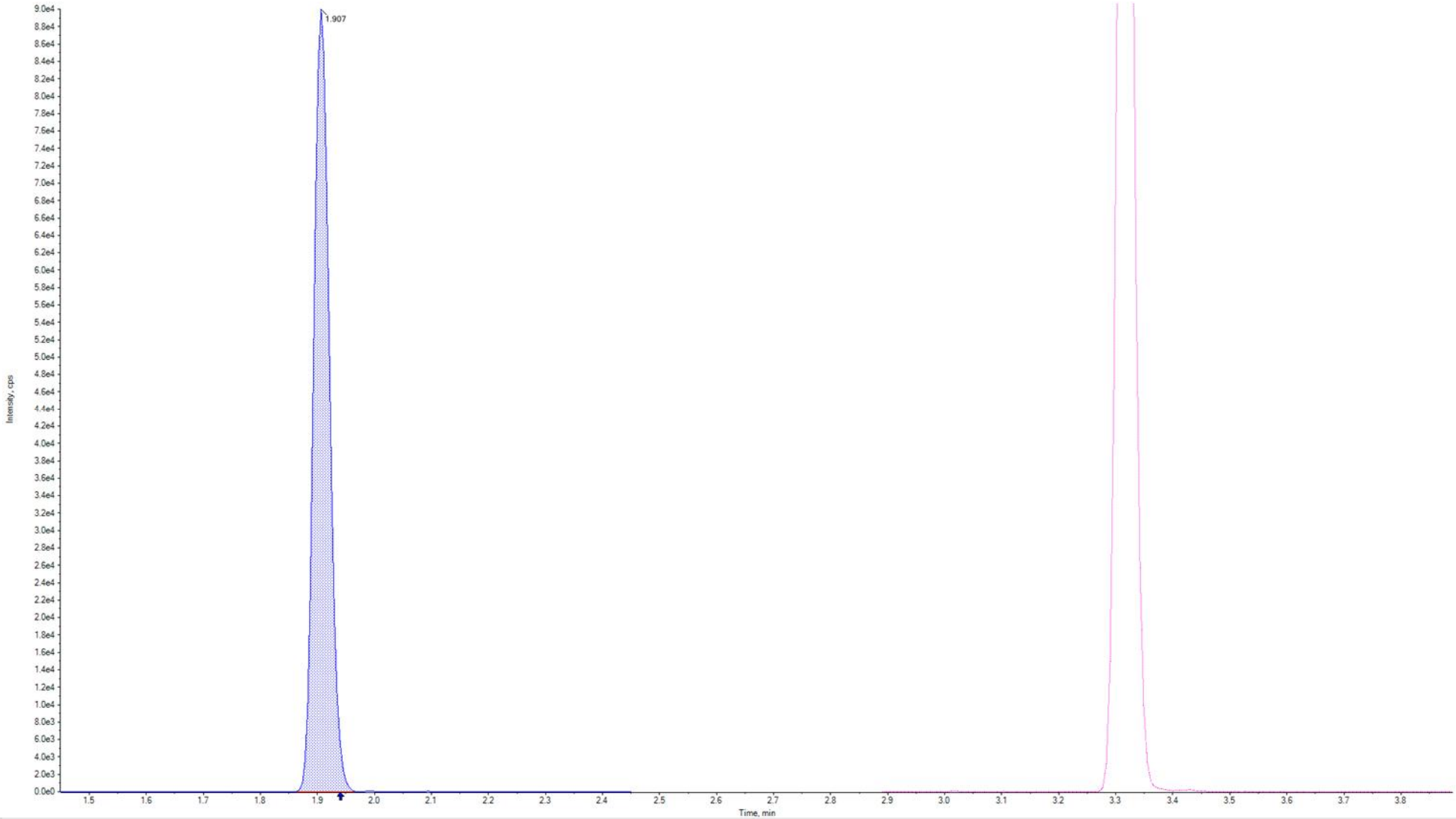

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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Last Altered: 12/19/2024 9:43:26 PM
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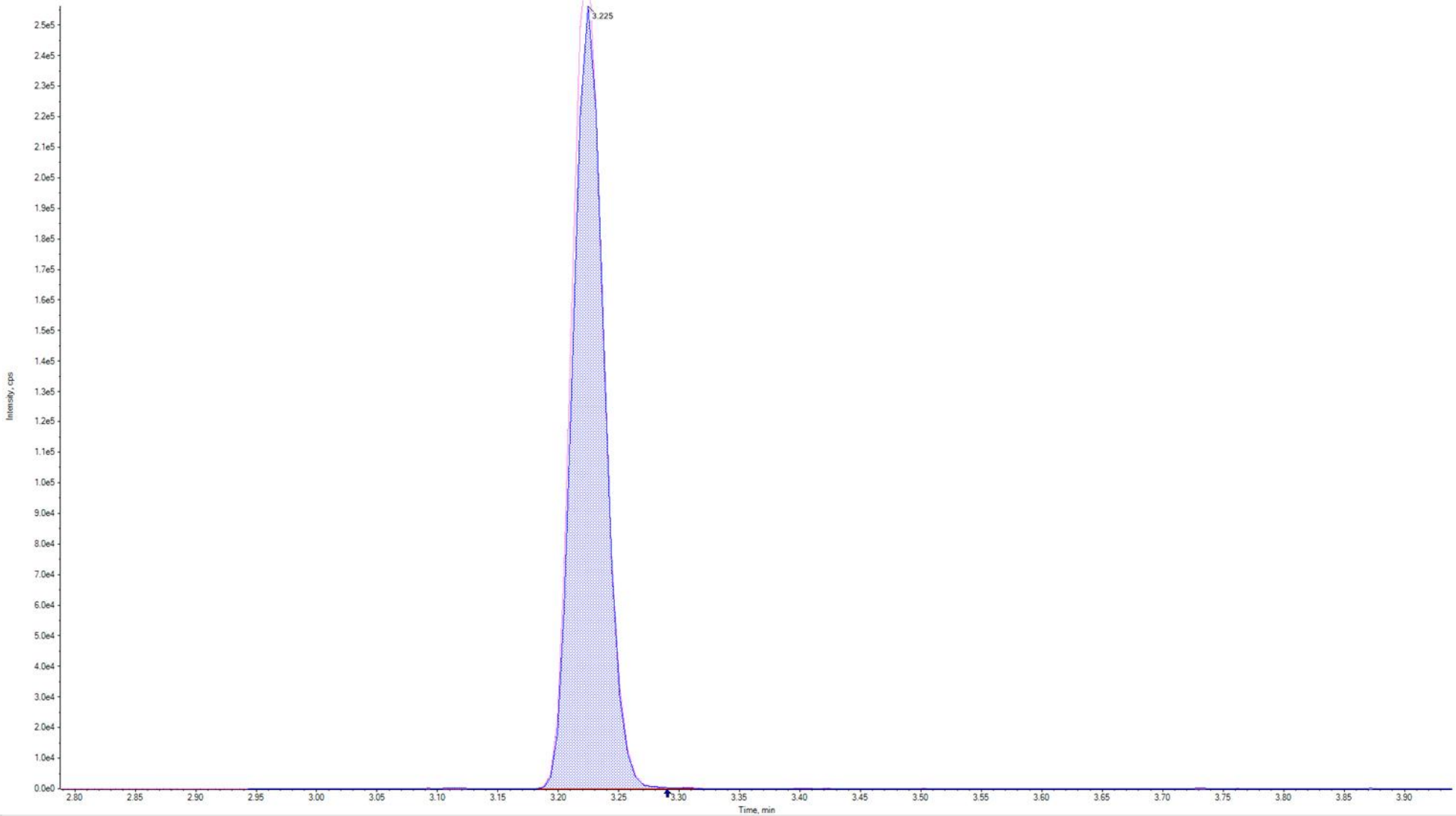
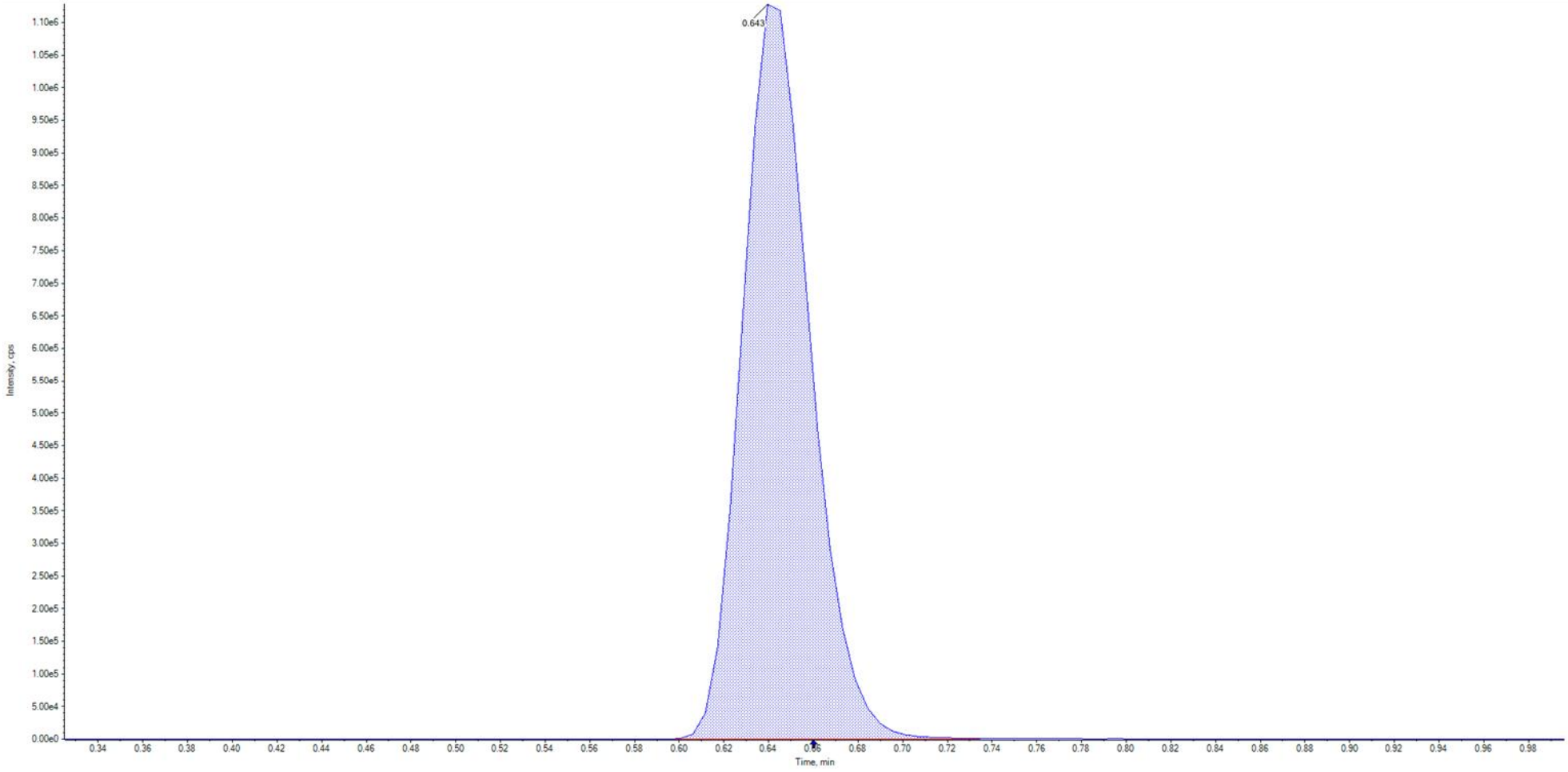
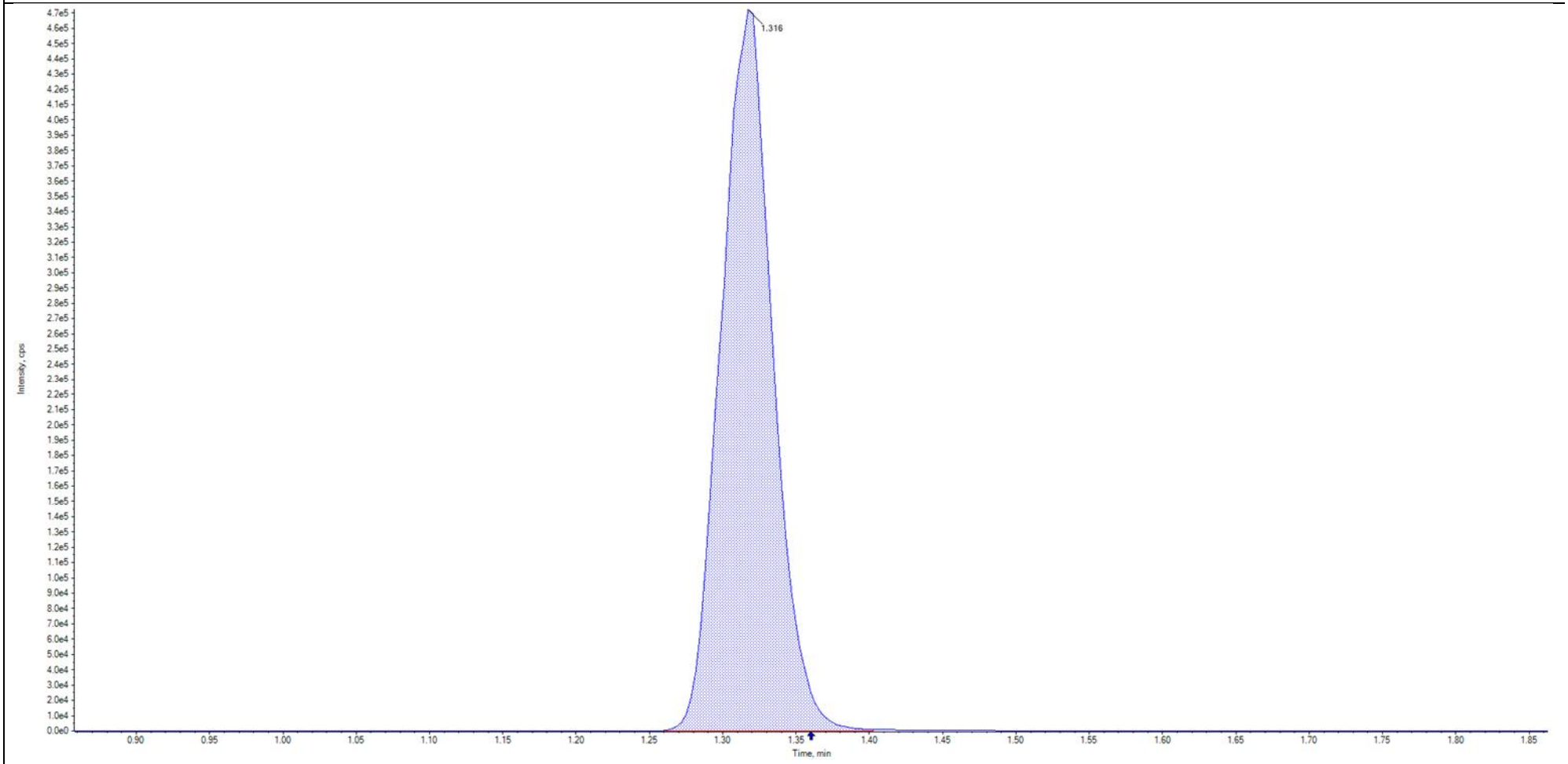
13C2-PFOA
Sample: WG2011094-13,1633FMED S/N:5779.6 Points Across peak:25



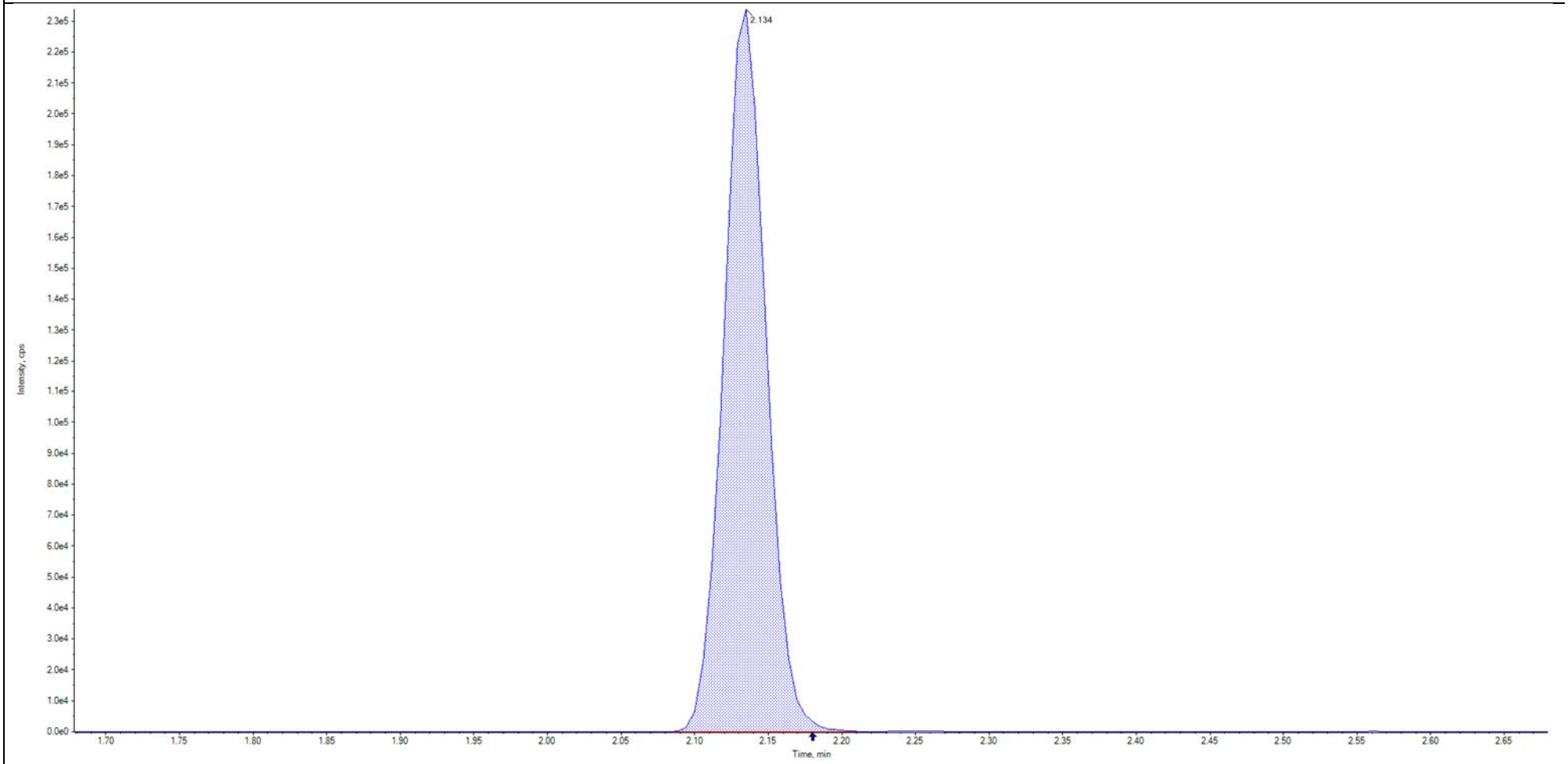
13C4-PFBA
Sample: WG2011094-13,1633FMED



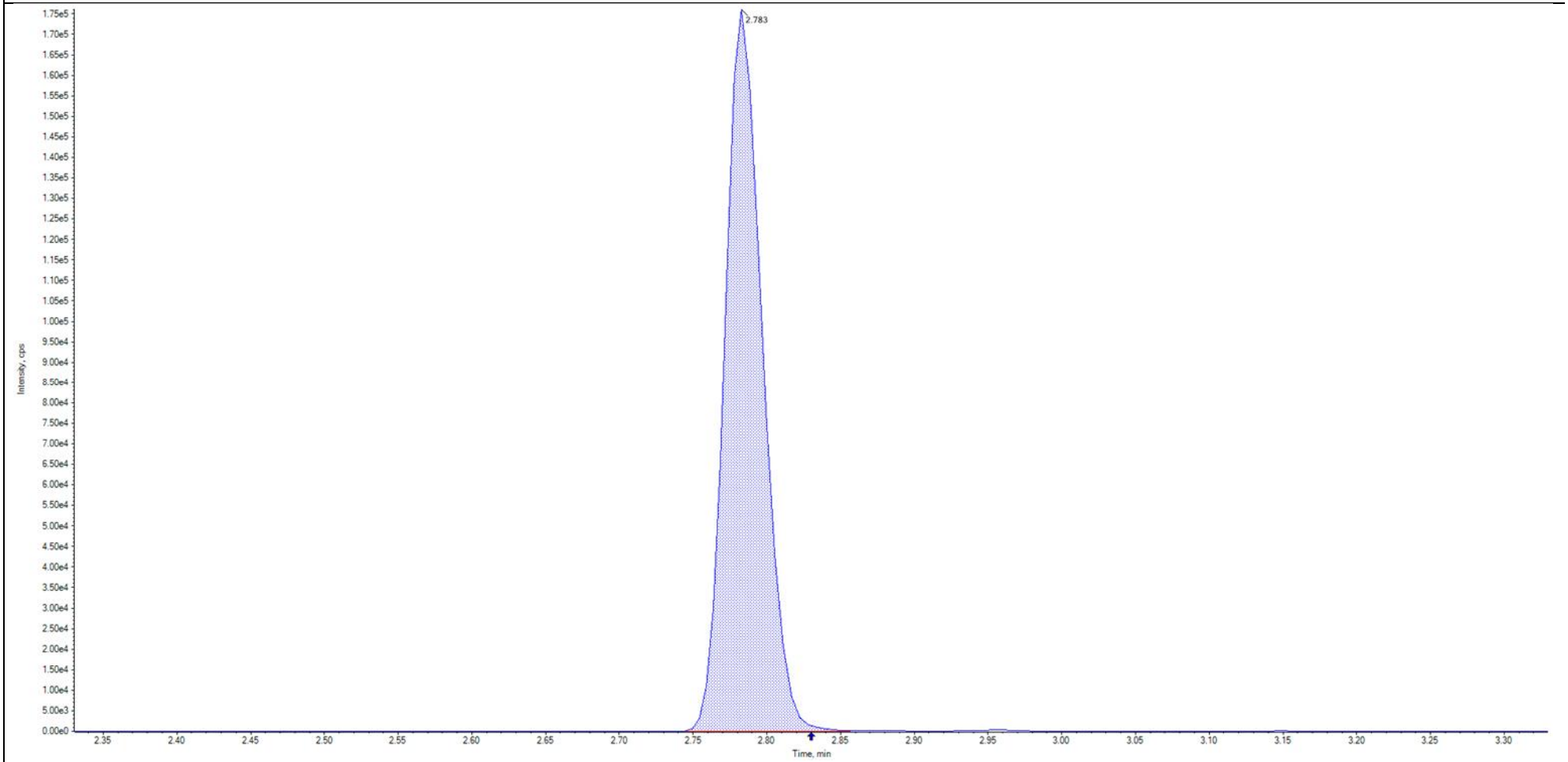
13C5-PFPeA
Sample: WG2011094-13,1633FMED



13C5-PFHxA
Sample: WG2011094-13,1633FMED



13C4-PFHpA
Sample: WG2011094-13,1633FMED



13C8-PFOA
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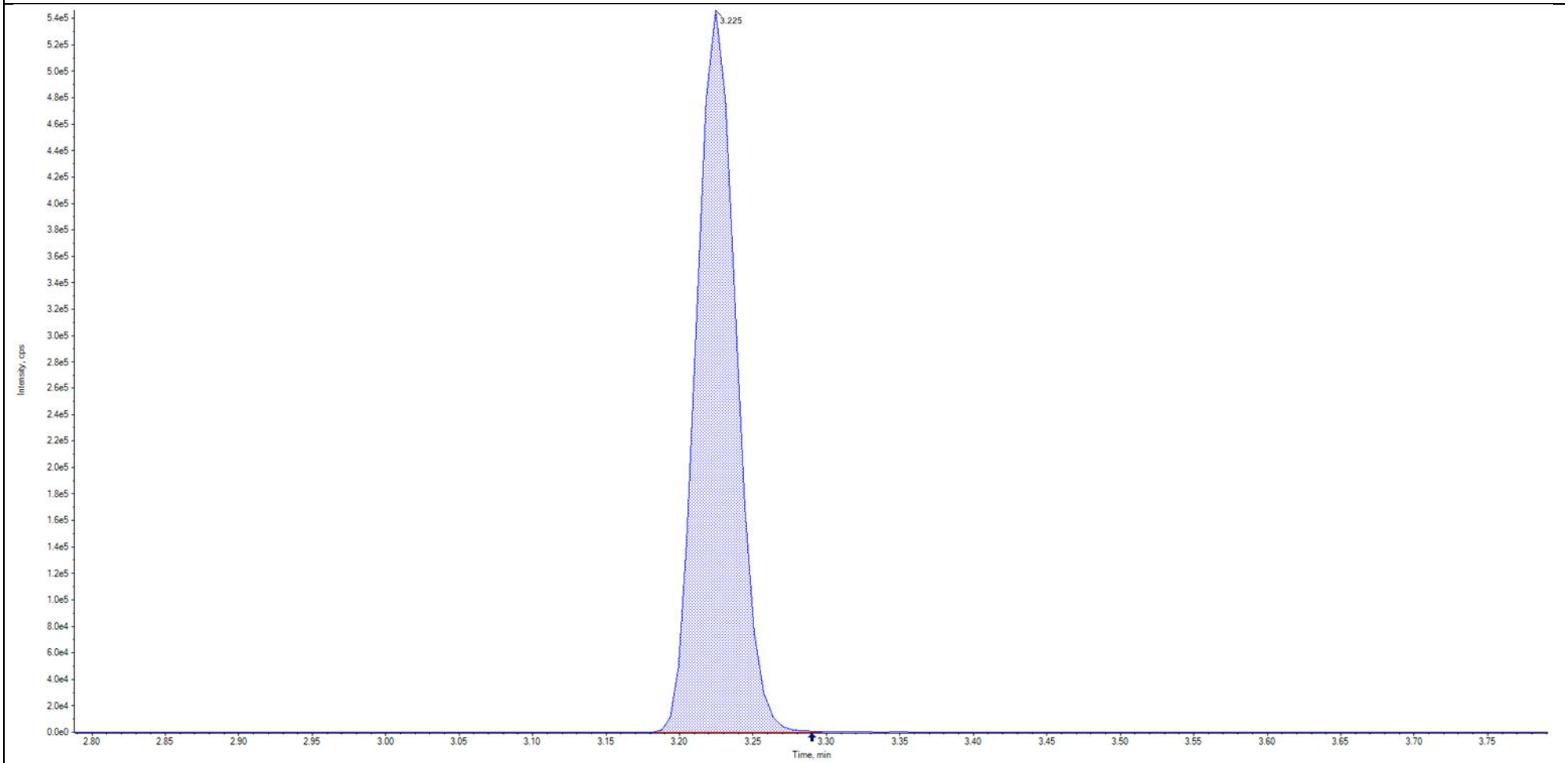

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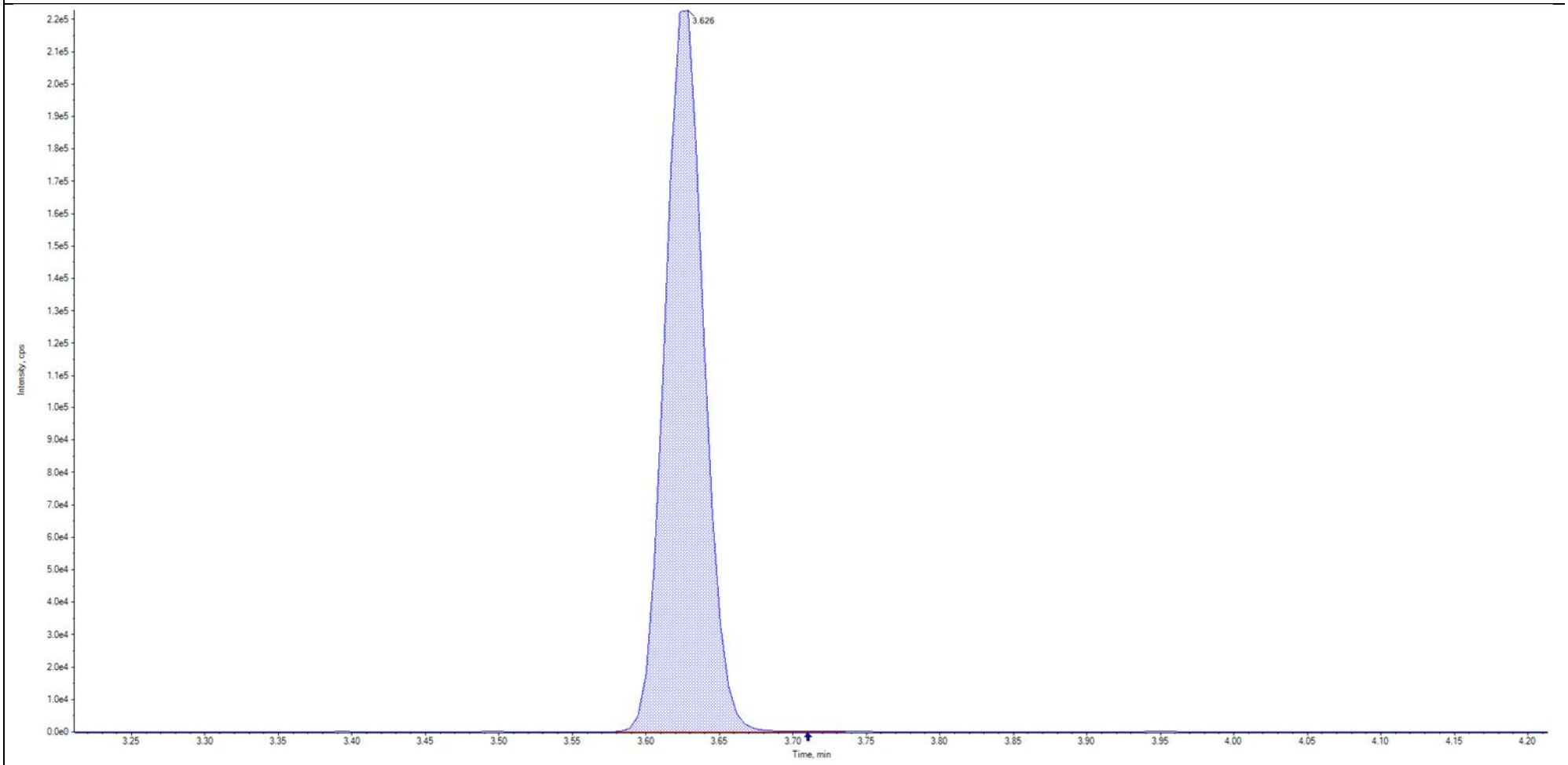

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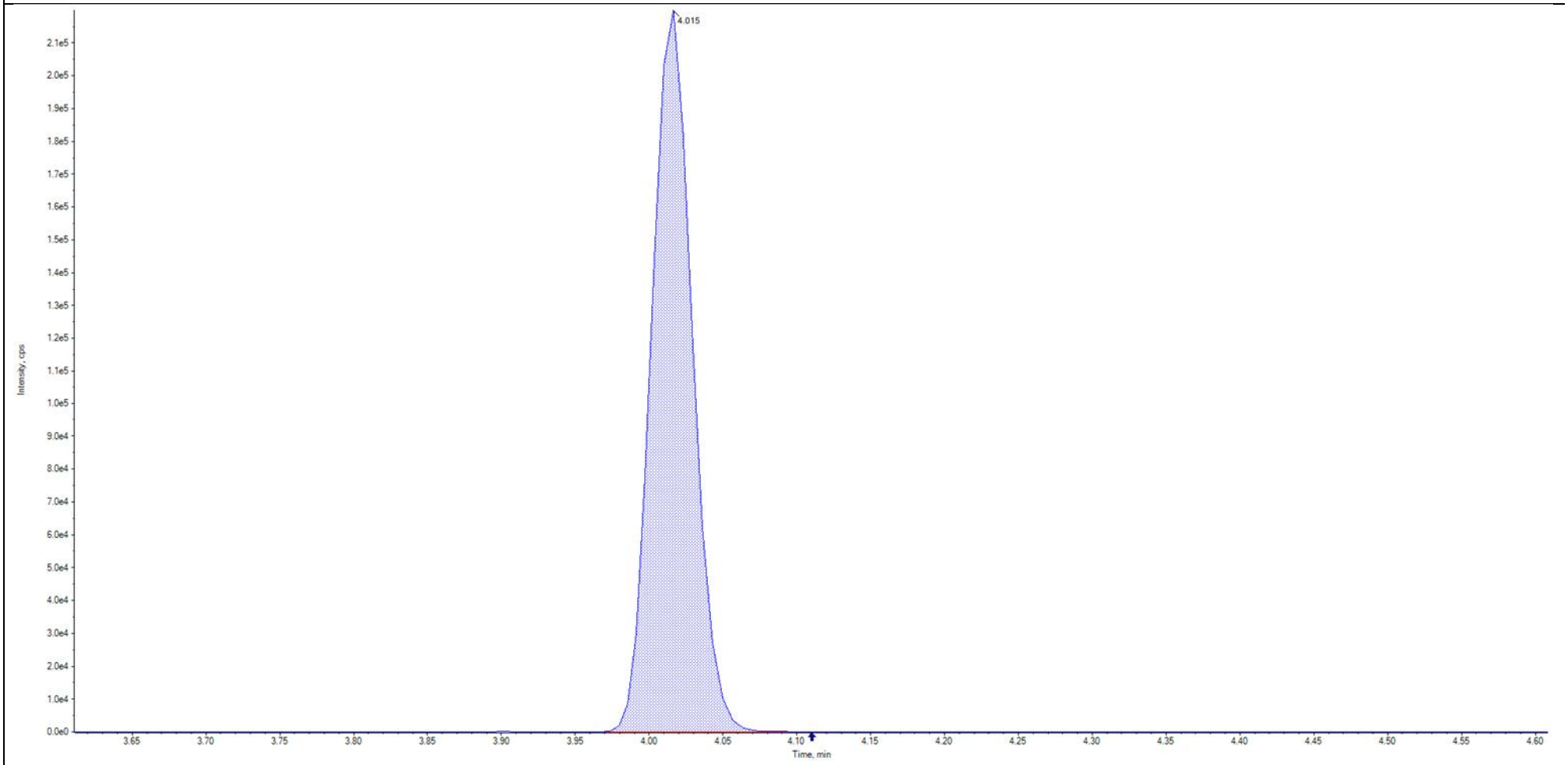

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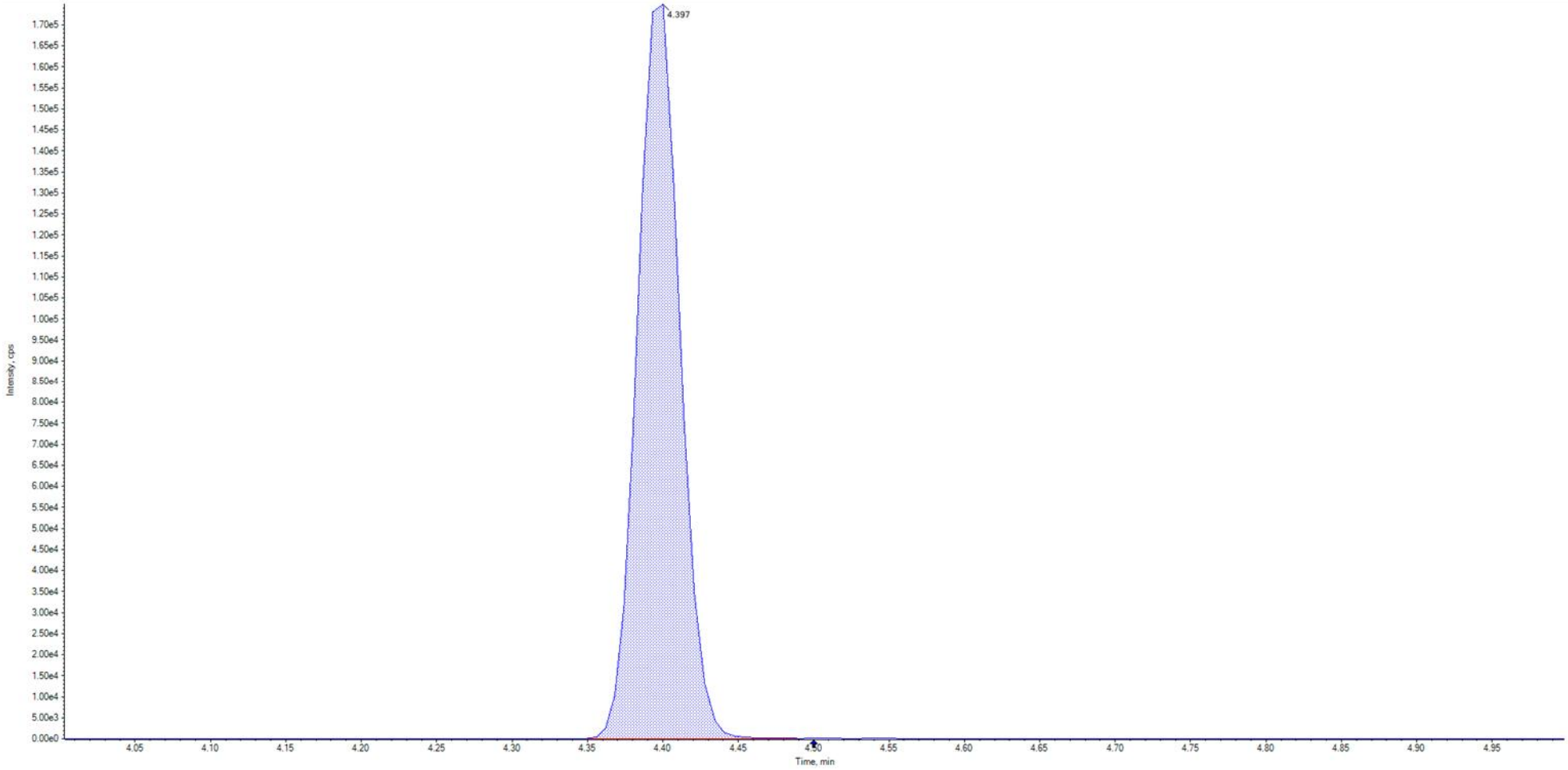

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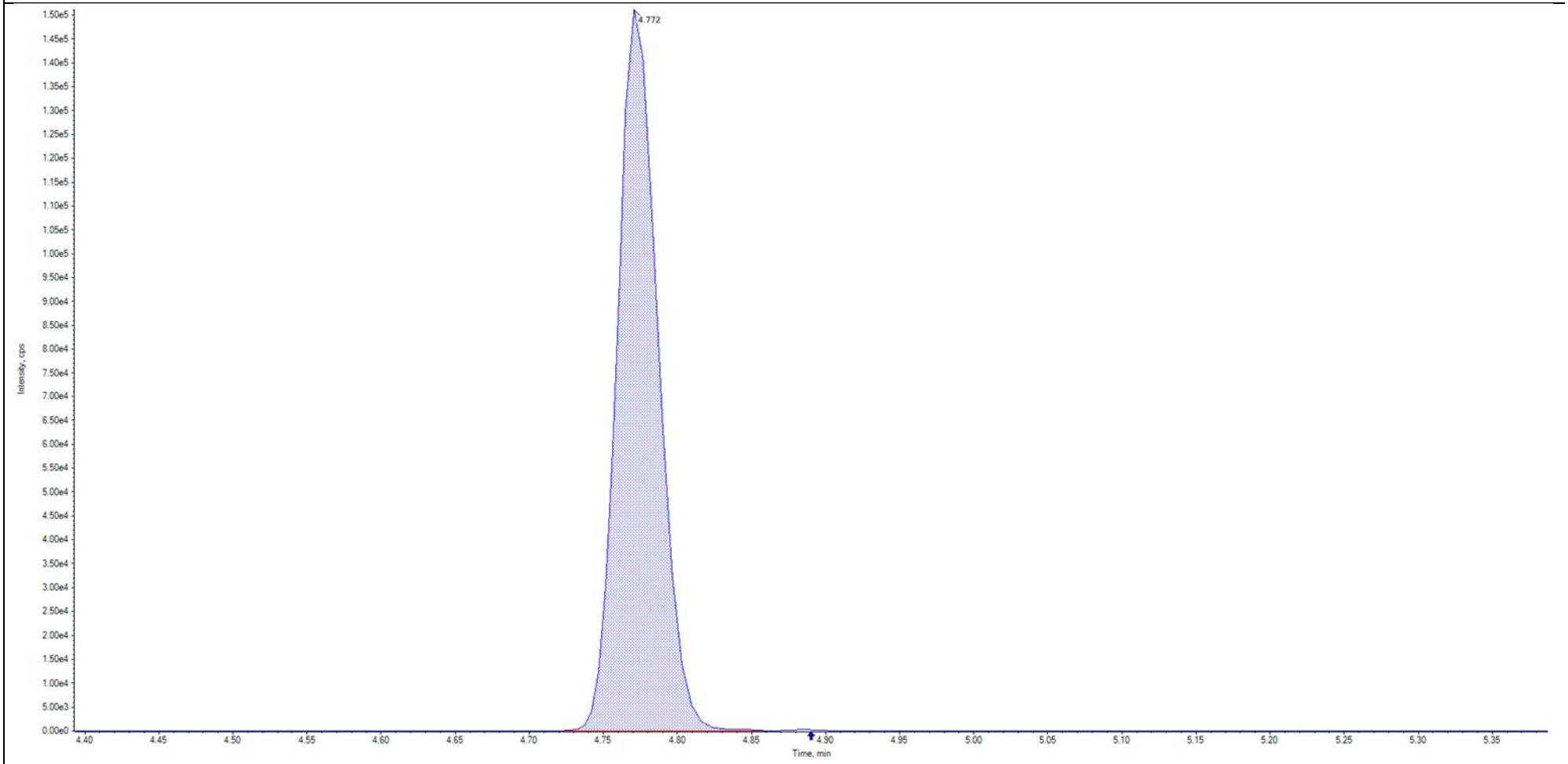
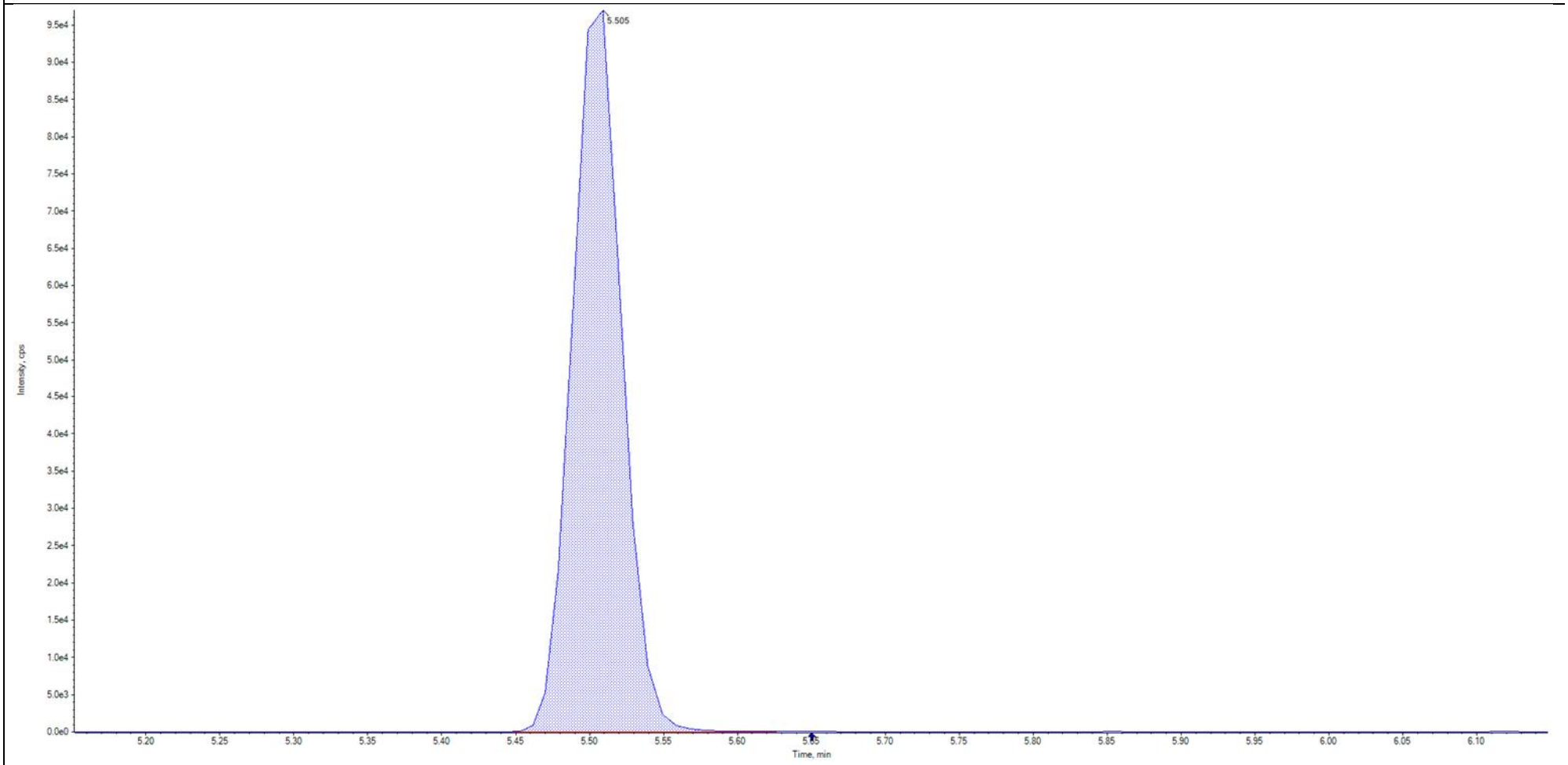


13C2-PFTeDA
Sample: WG2011094-13,1633FMED



13C3-PFBS
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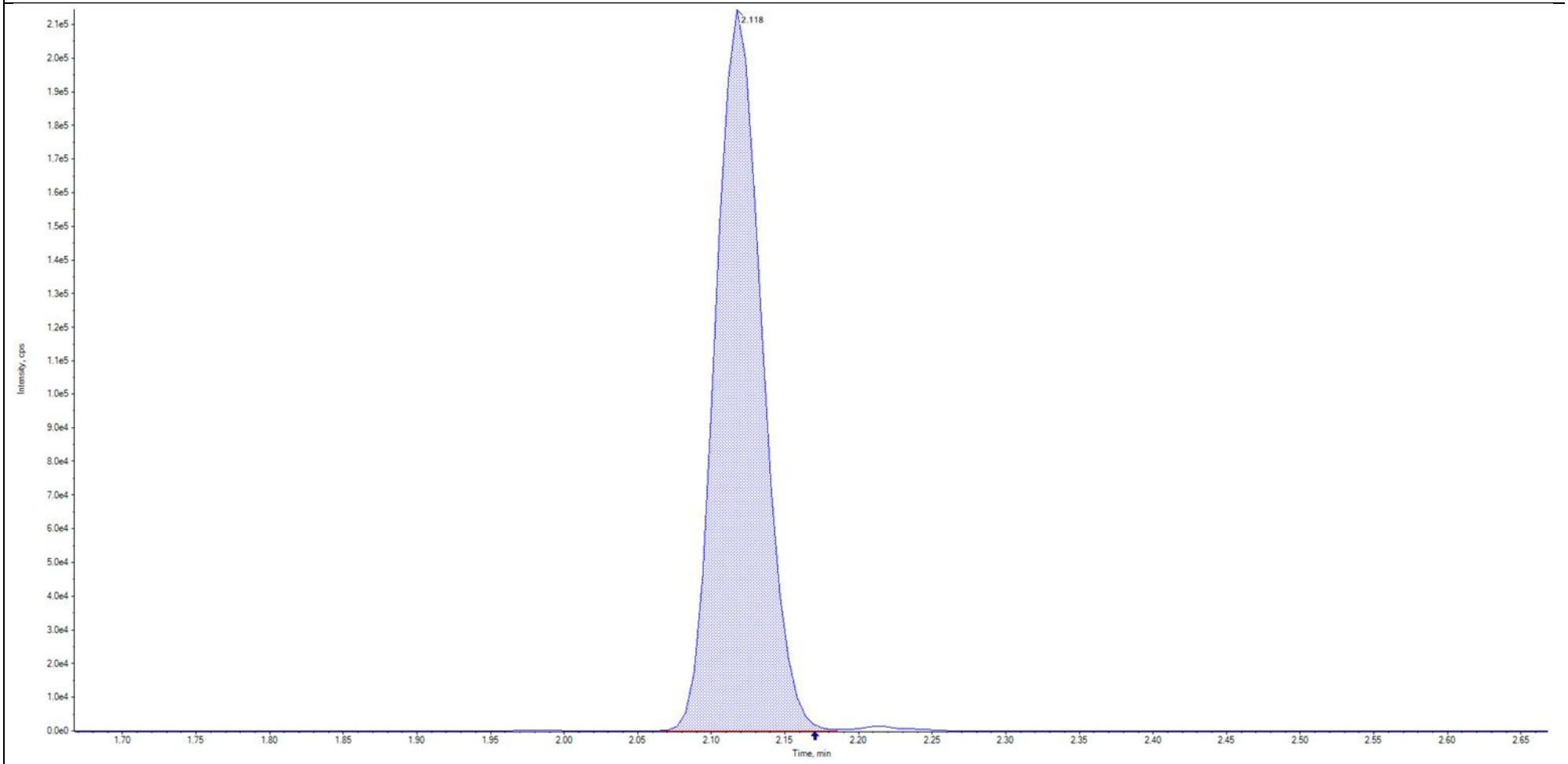
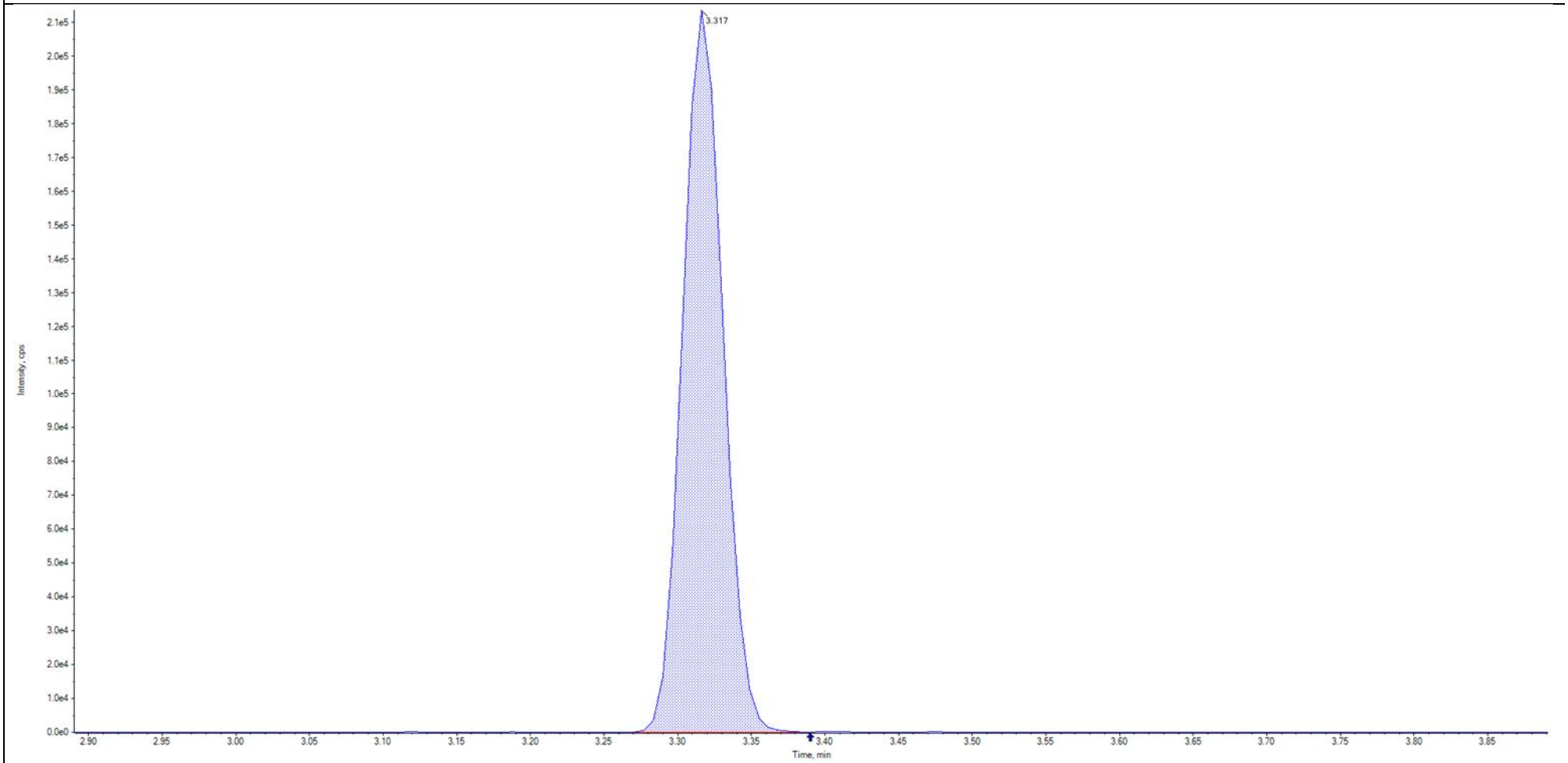
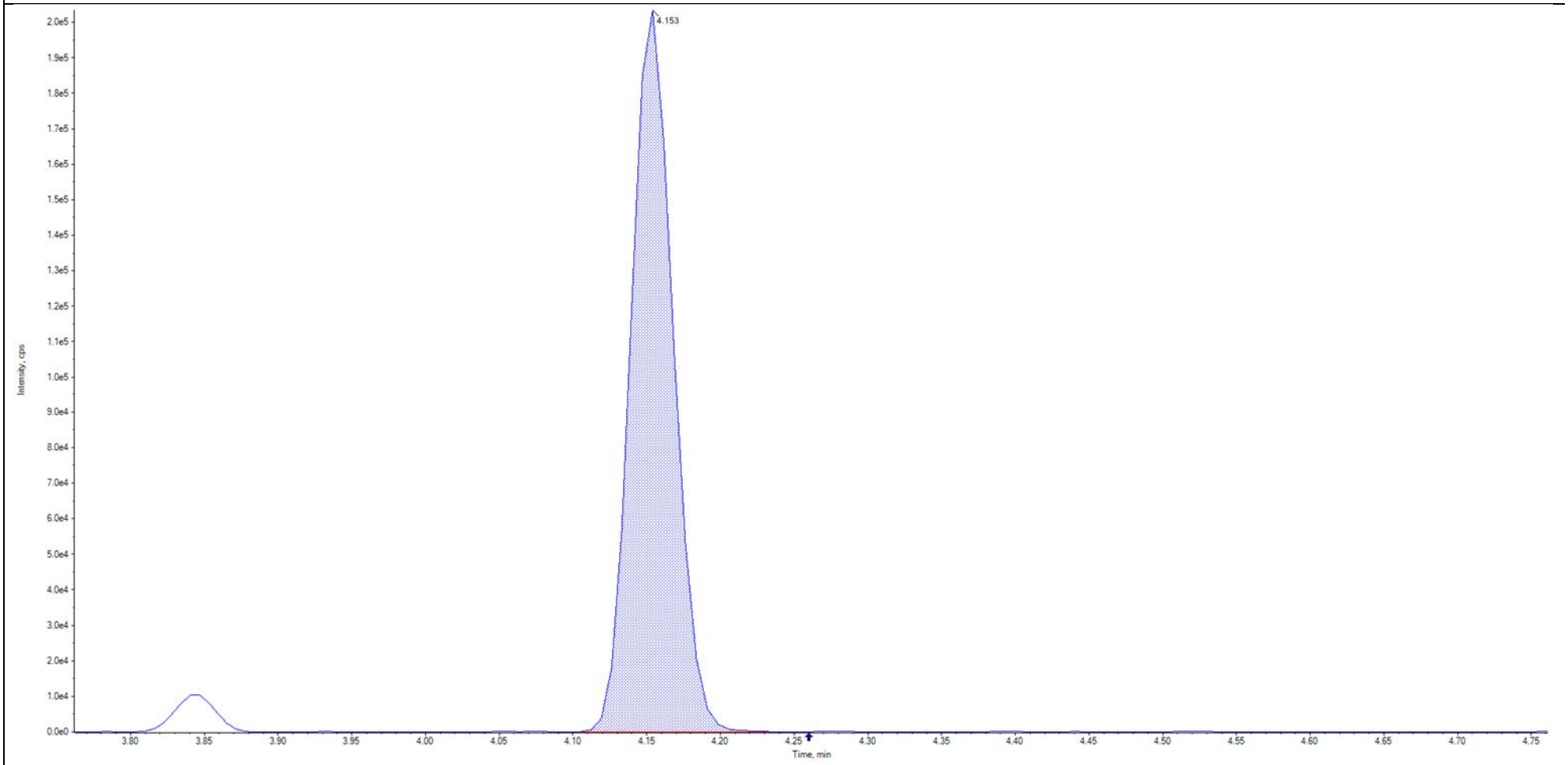


13C3-PFHxS
Sample: WG2011094-13,1633FMED



13C8-PFOS
Sample: WG2011094-13,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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13C2-4:2FTS
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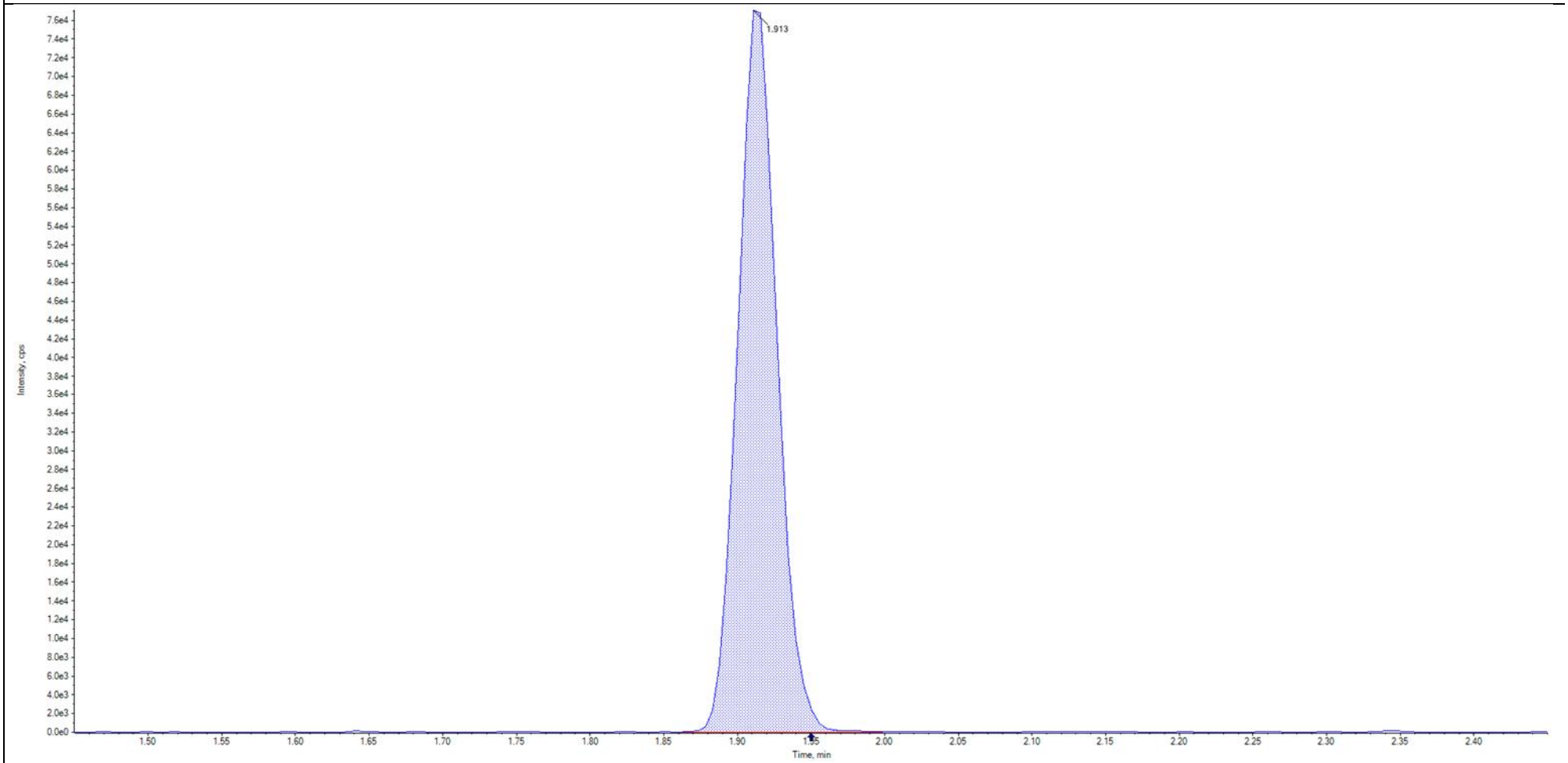

13C2-6:2FTS
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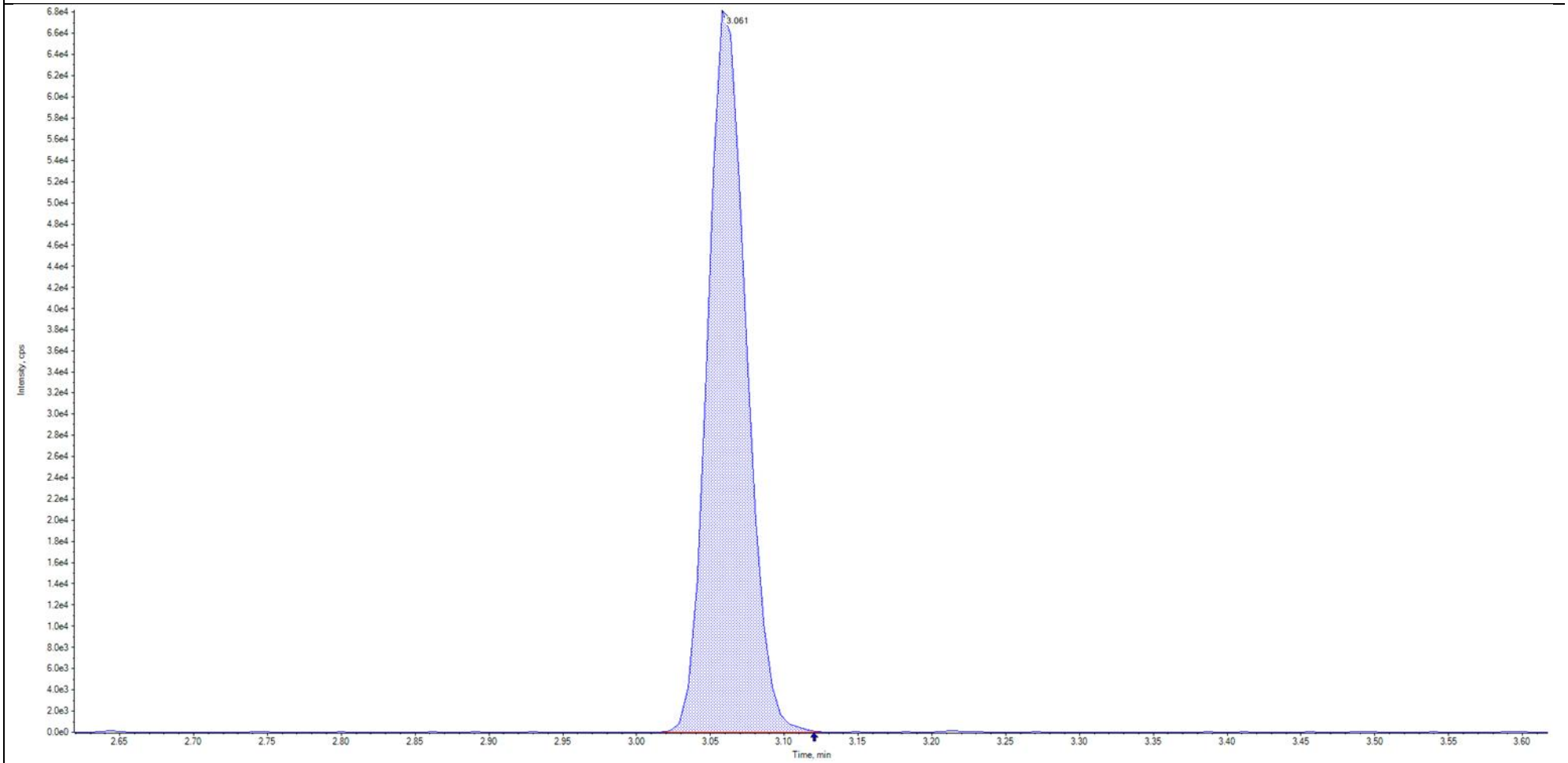

13C2-8:2FTS
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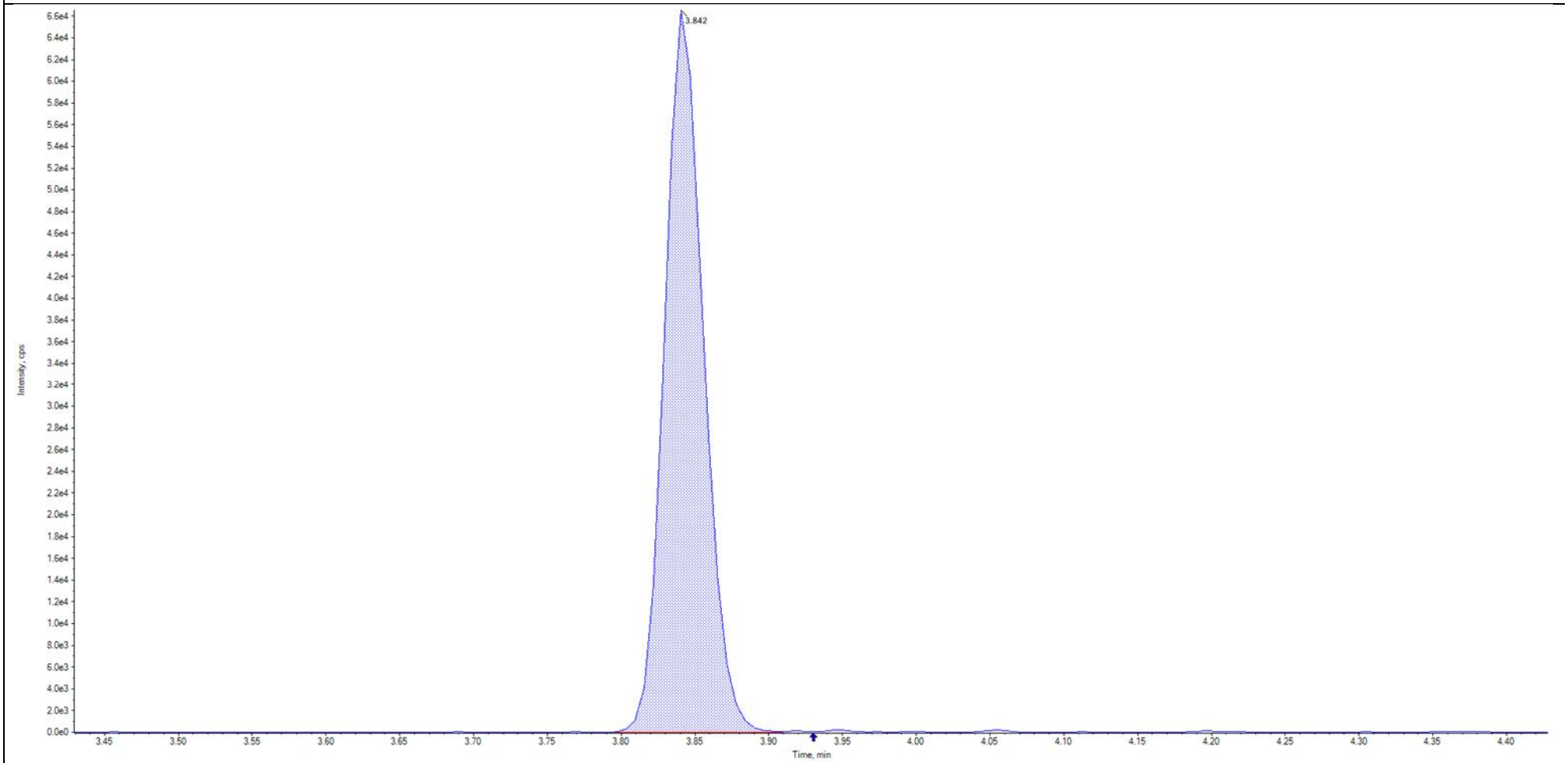

13C8-PFOSA
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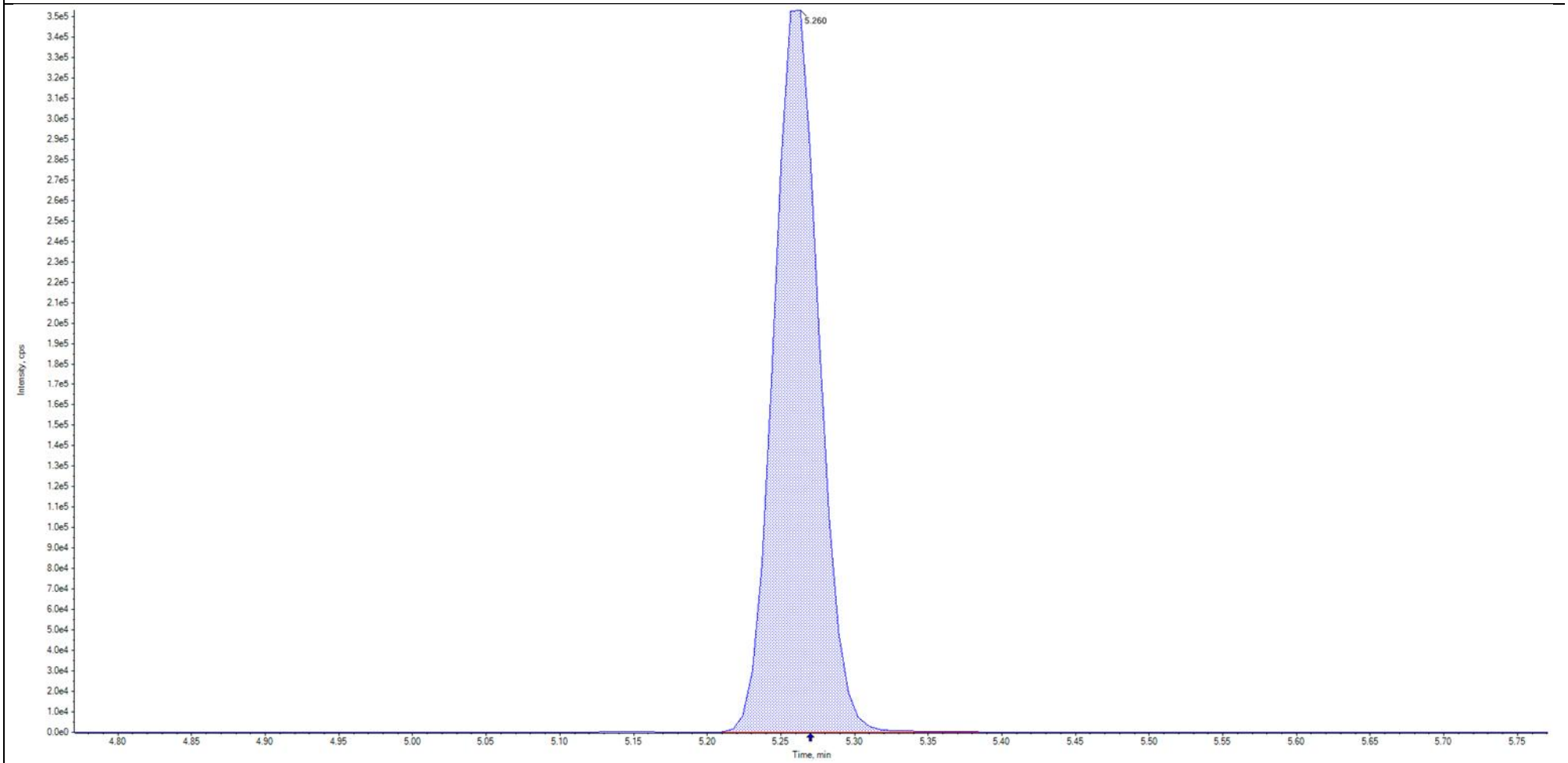
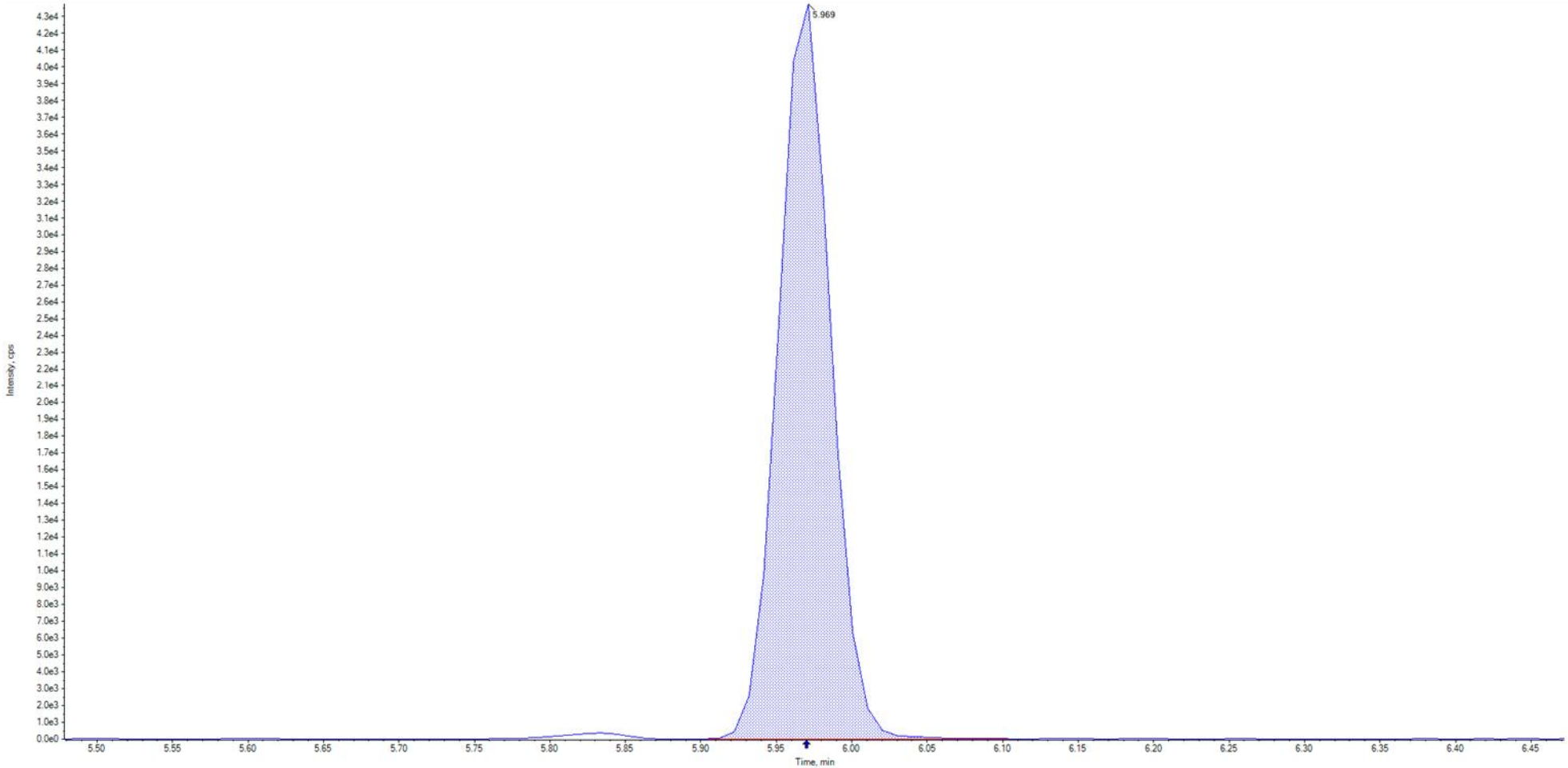


d3-NMeFOSA
Sample: WG2011094-13,1633FMED



d5-NEtFOSA
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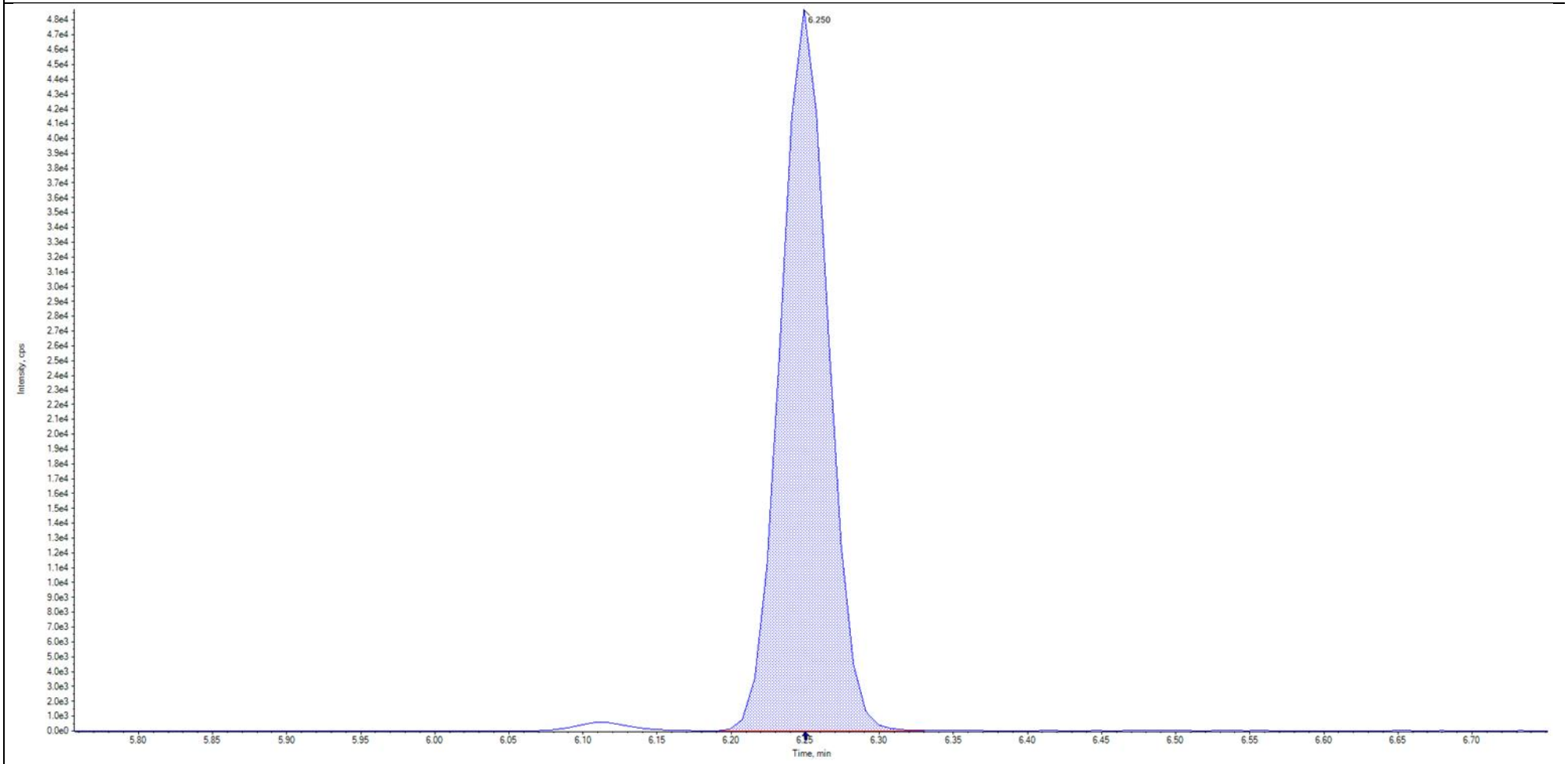

d3-NMeFOSAA
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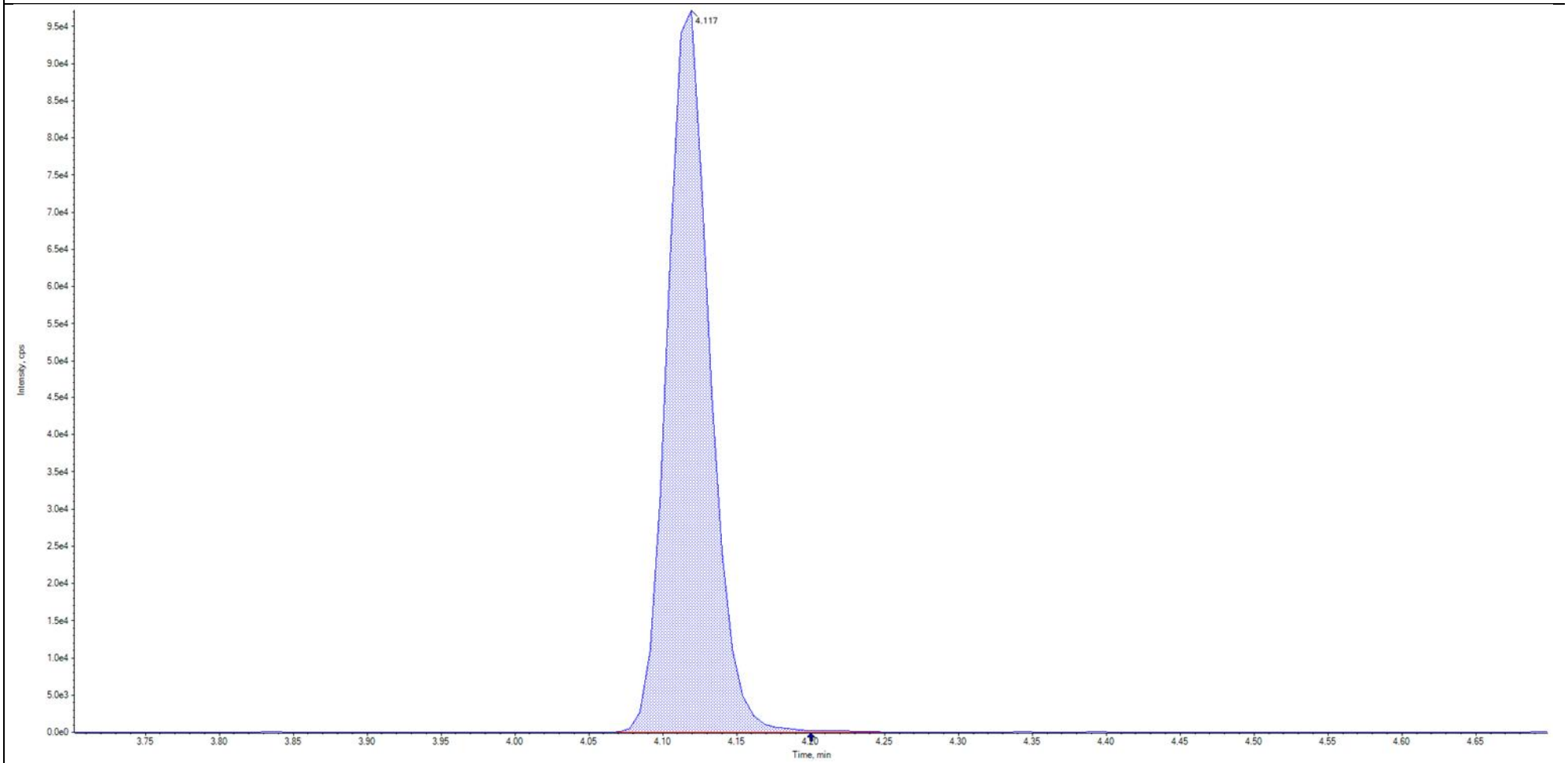

d5-NEtFOSAA
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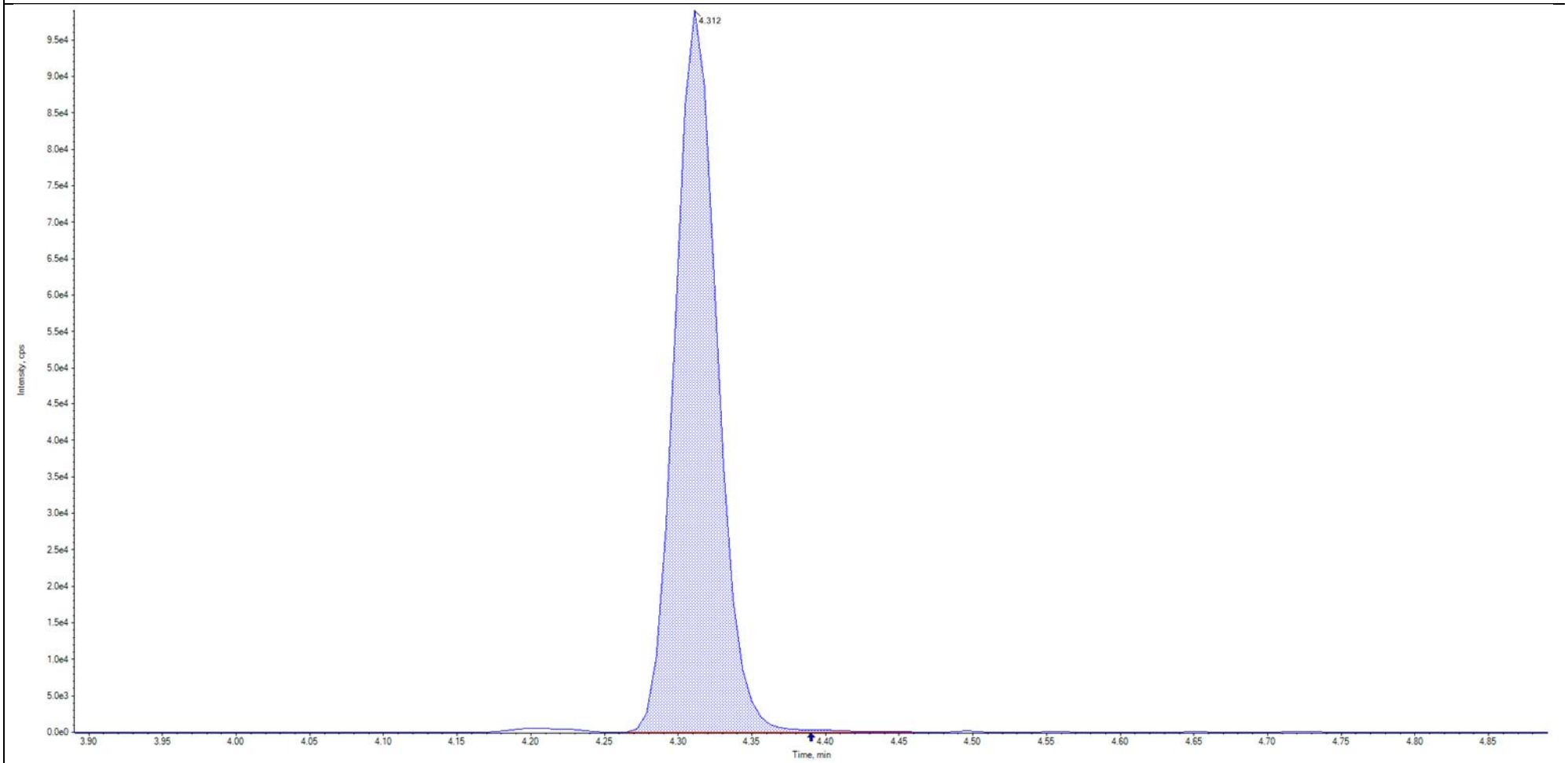
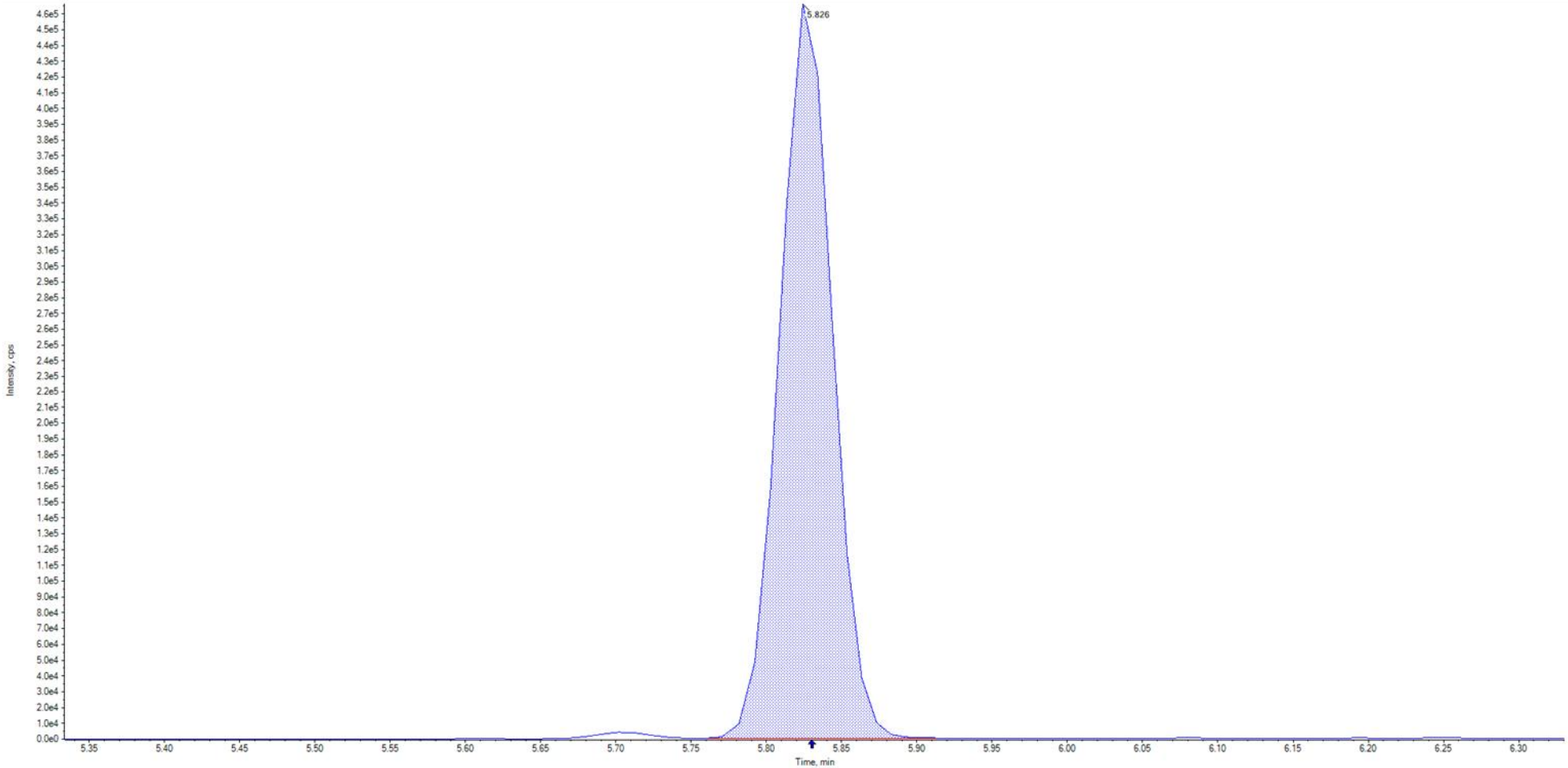


d7-NMeFOSE
Sample: WG2011094-13,1633FMED



d9-NEtFOSE
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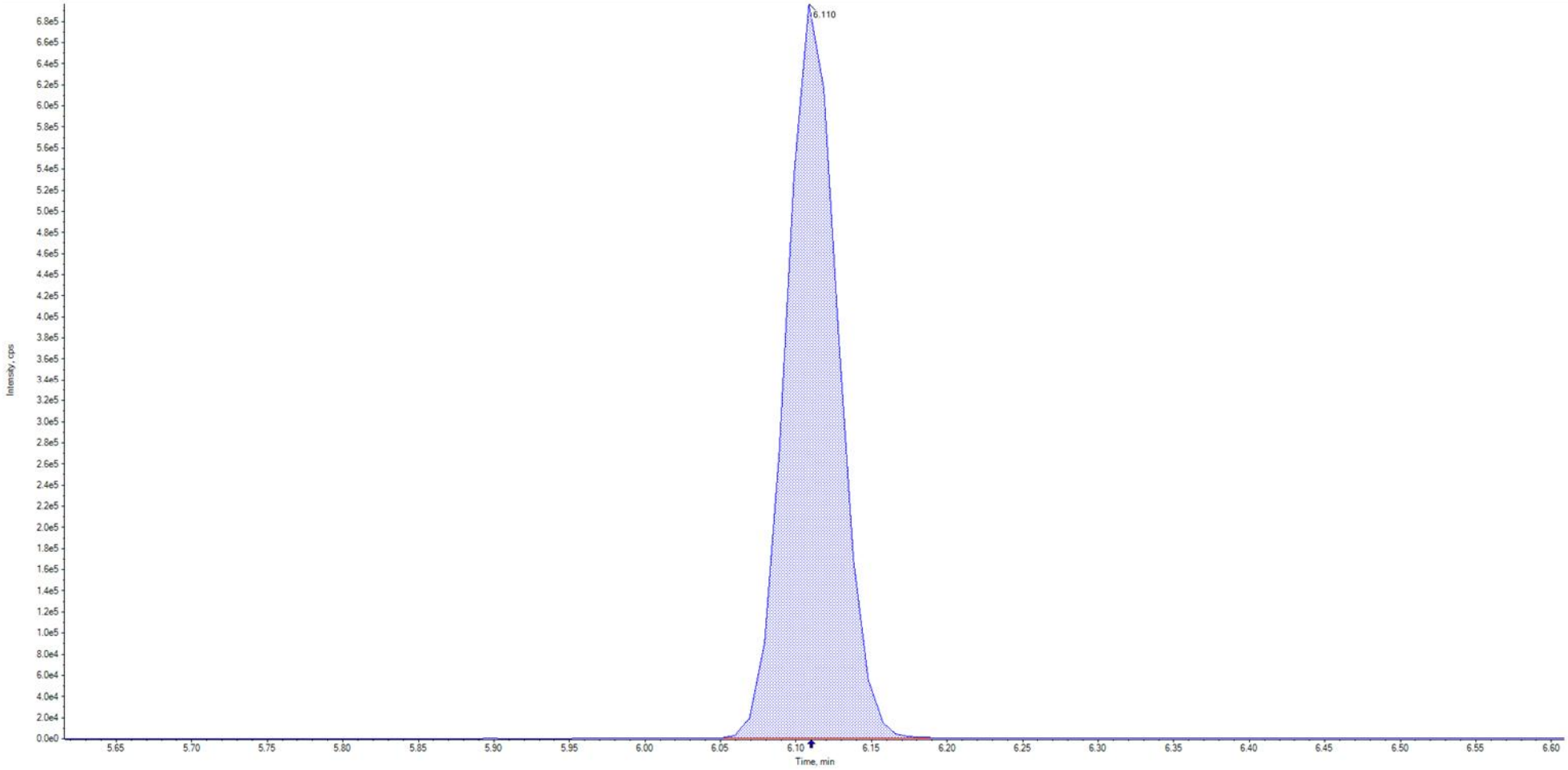

13C3-HFPO-DA
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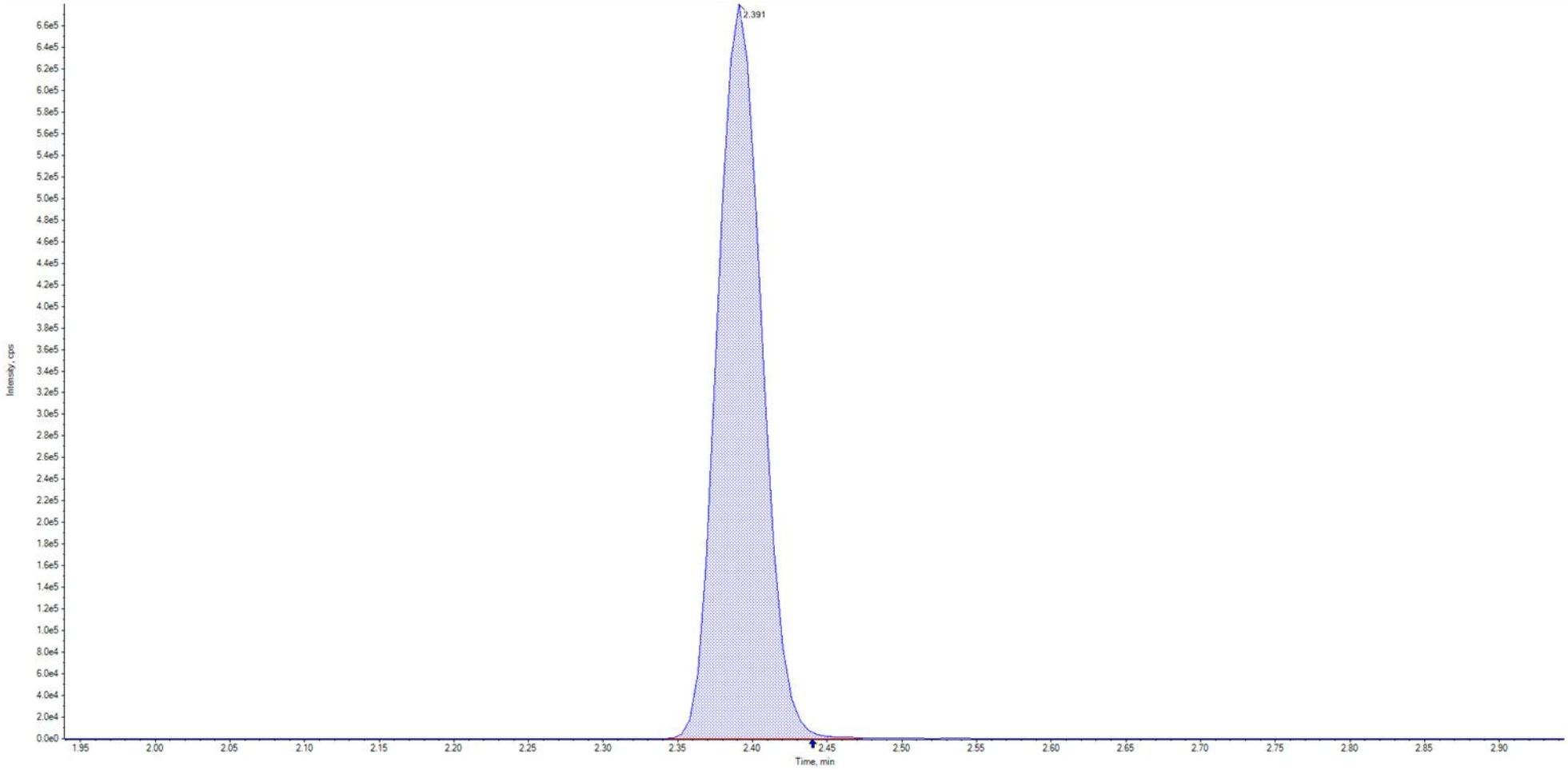
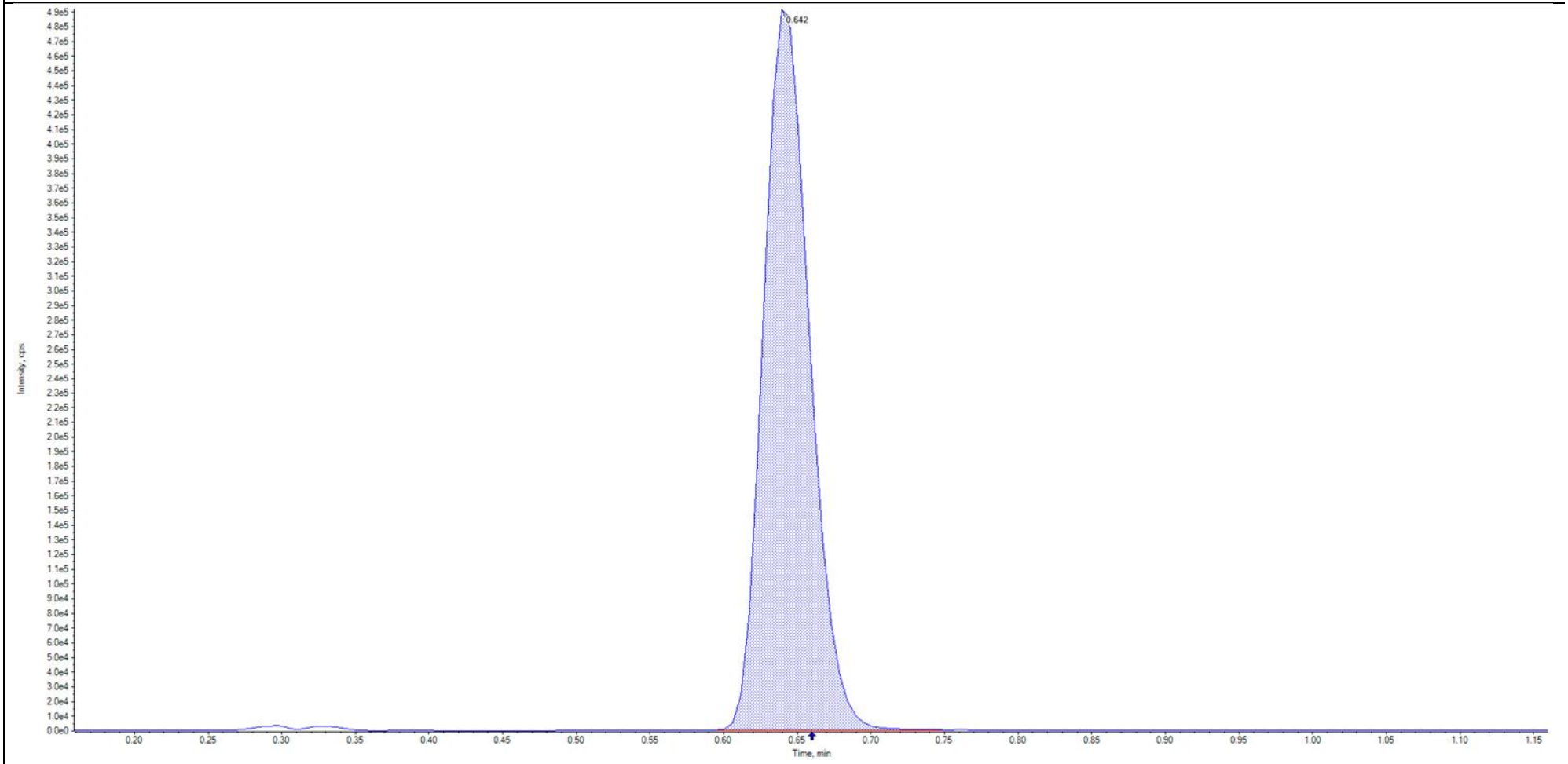
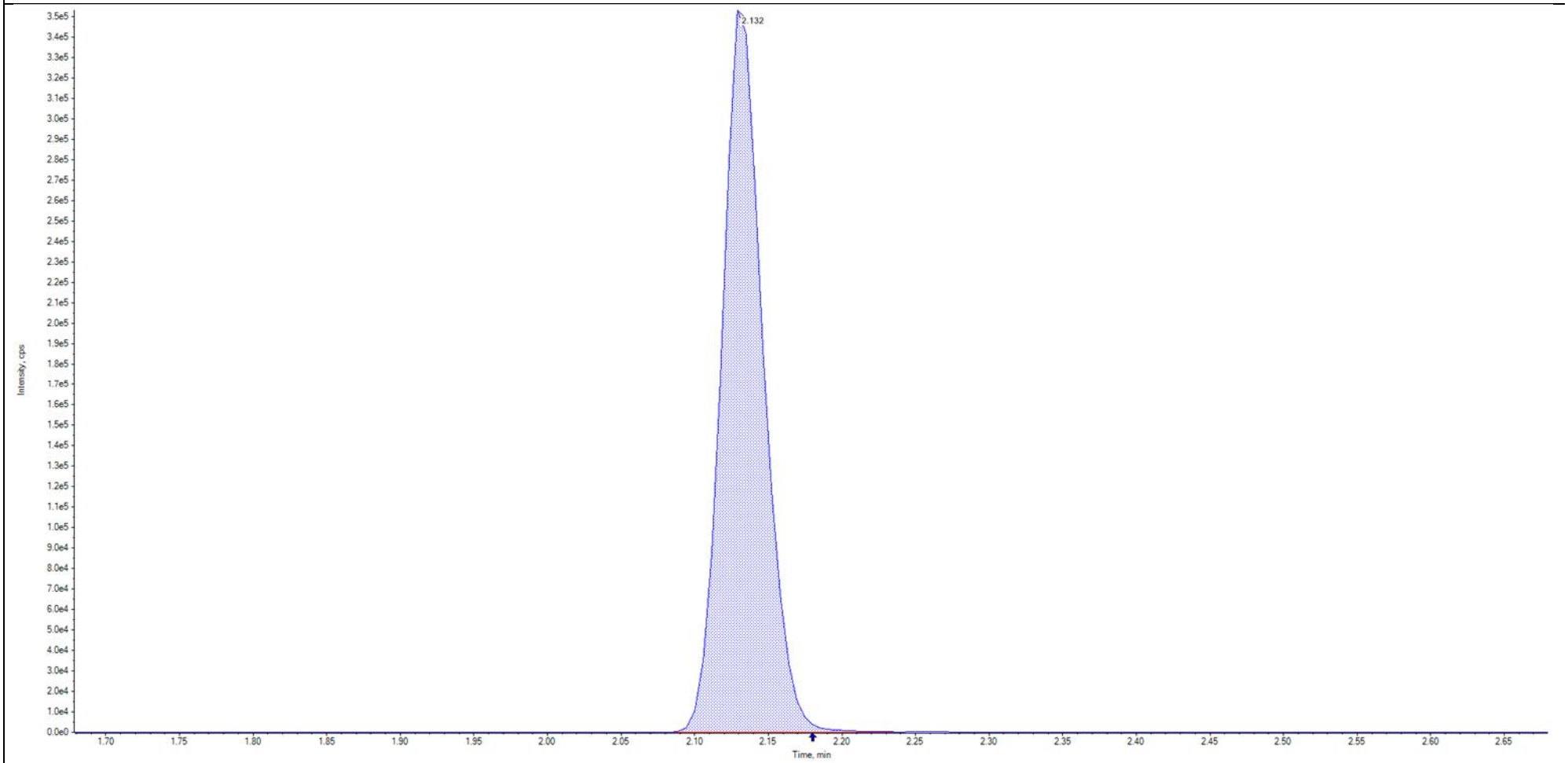


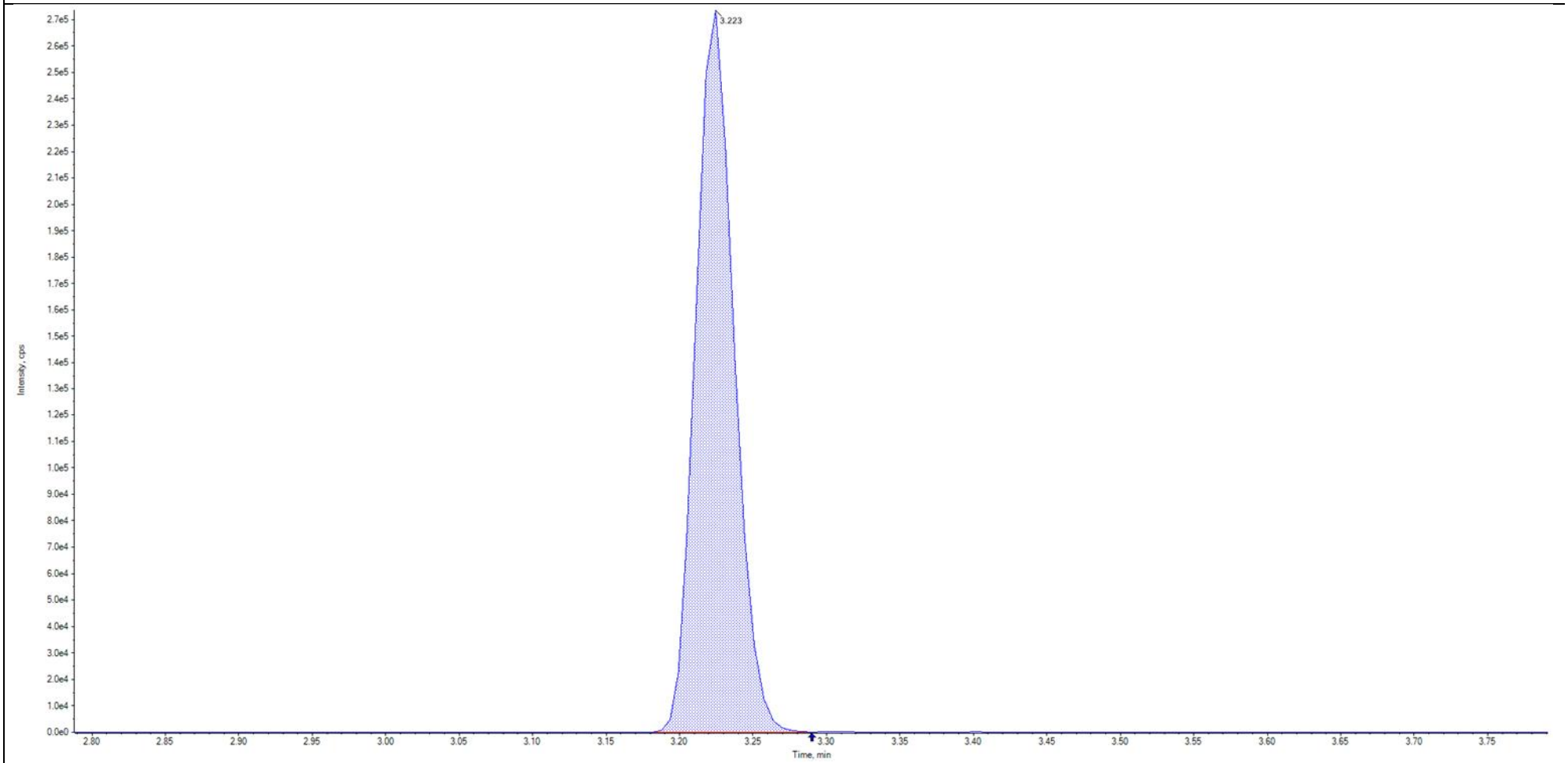
13C3-PFBA
Sample: WG2011094-13,1633FMED



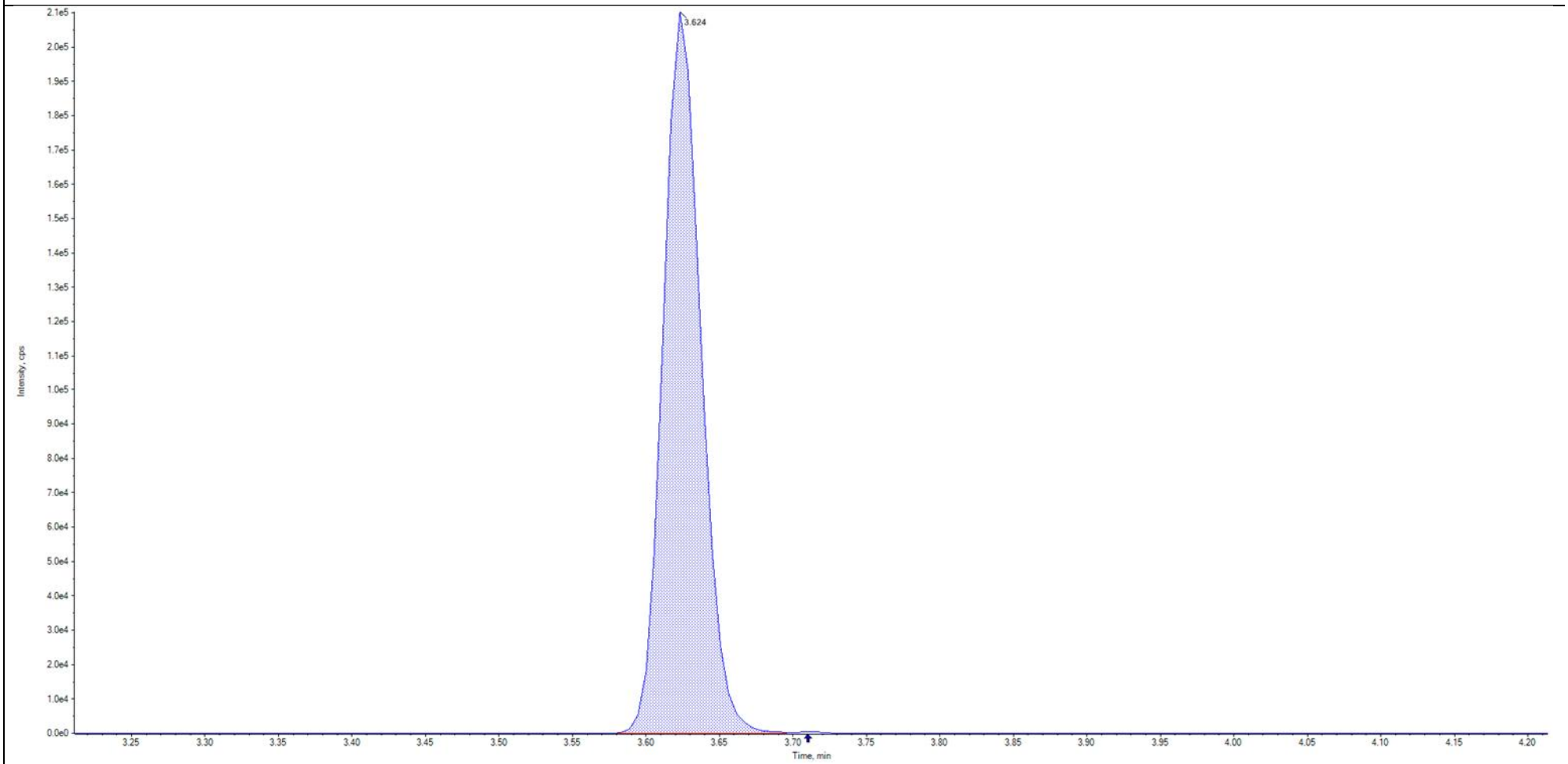
13C2-PFHxA
Sample: WG2011094-13,1633FMED



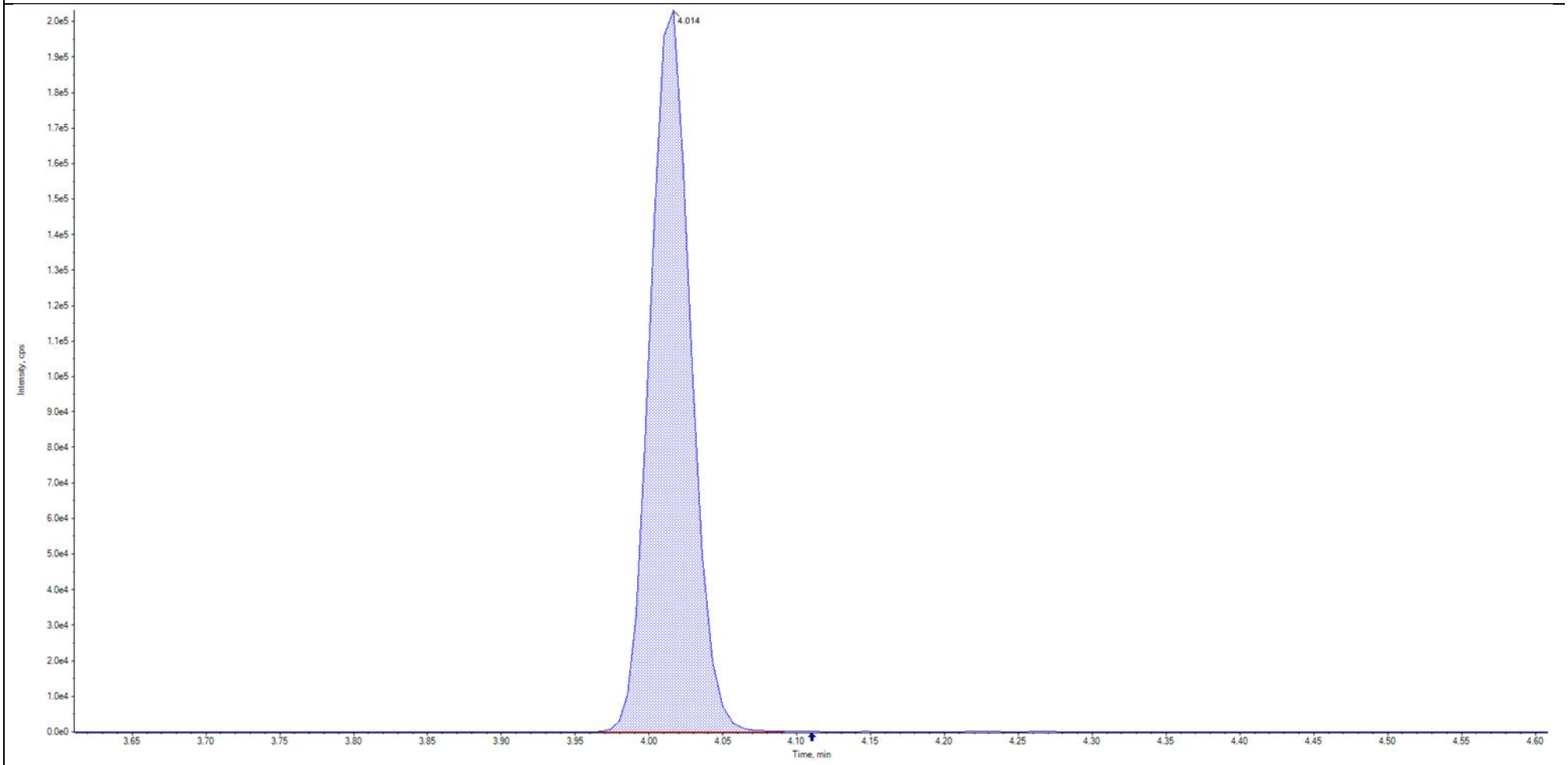
13C4-PFOA
Sample: WG2011094-13,1633FMED



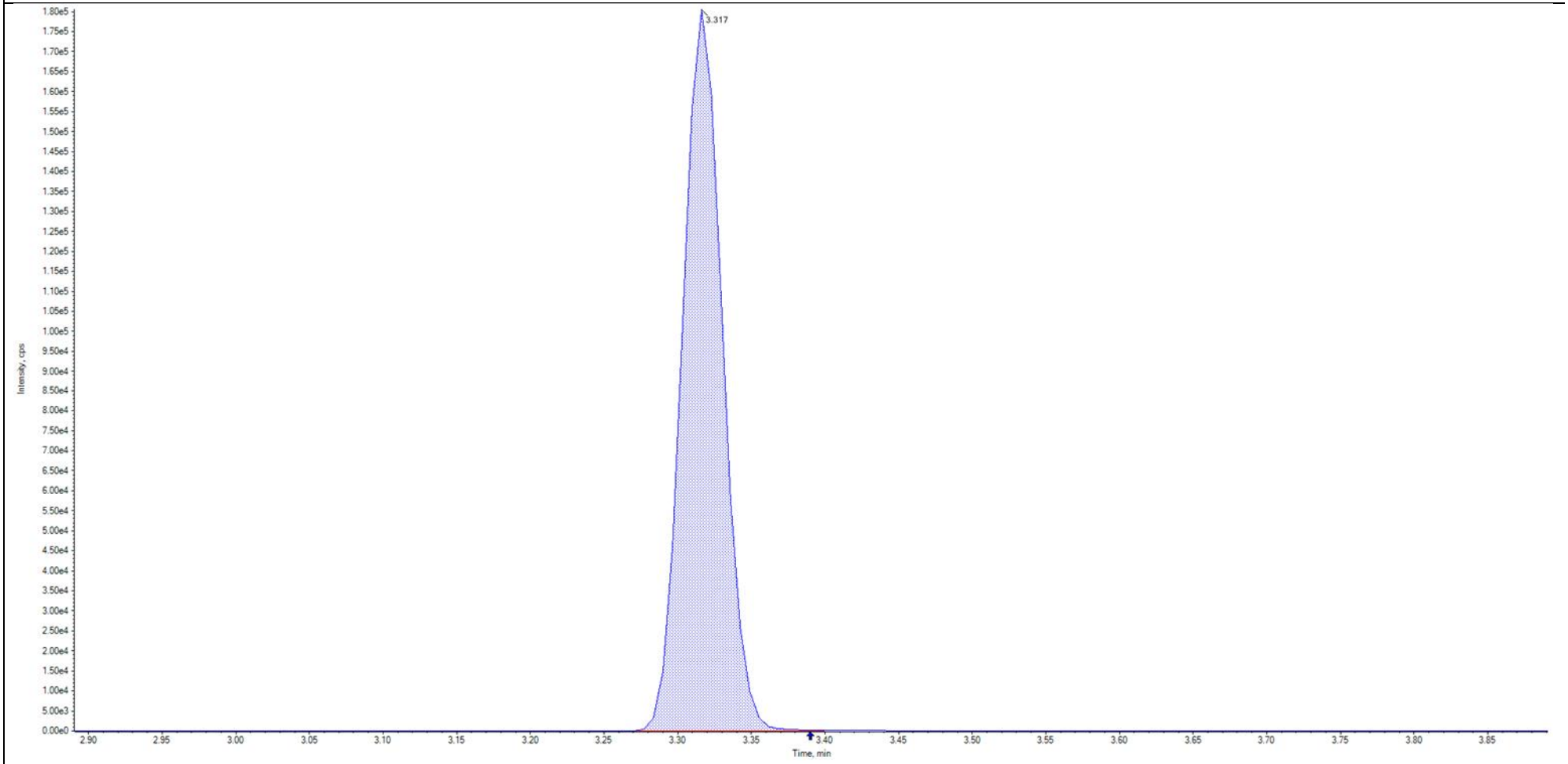
13C5-PFNA
Sample: WG2011094-13,1633FMED



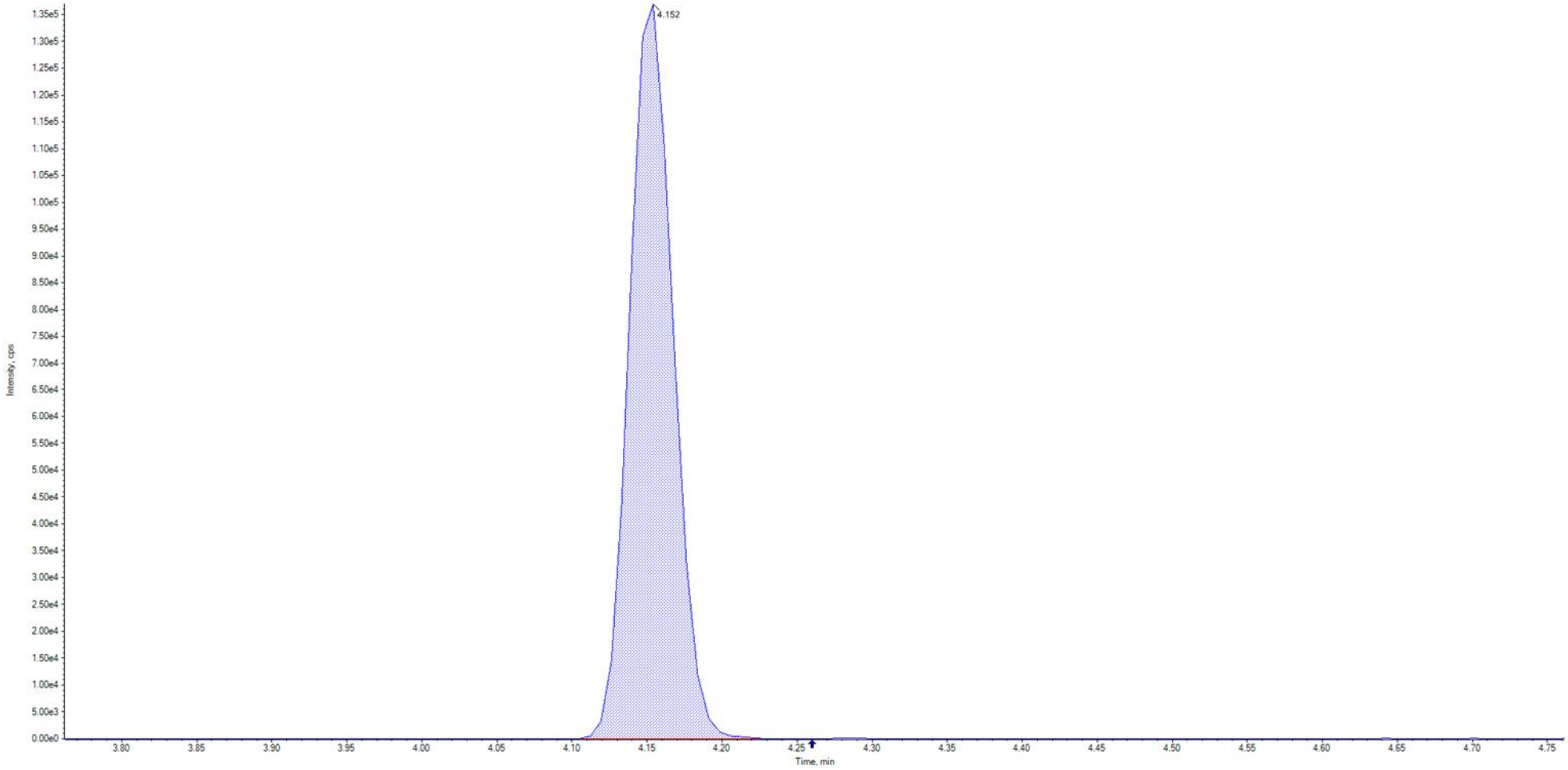
13C2-PFDA
Sample: WG2011094-13,1633FMED



18O2-PFHxS
Sample: WG2011094-13,1633FMED



13C4-PFOS
Sample: WG2011094-13,1633FMED



Alpha Analytical LLC
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Generated: 12/19/2024 2:27:31 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Method: EPA1633F.qmethod
Calibration: 241115_EPA1633_ICAL

ID: WG2011094-15,1633FMED
Name: SCI05_241219_90.wiff2
Date & Time: 2024-12-19T23:22:48
Description: WG2011094,WG2000000,ICAL21712,1633FMED
Instrument: SCIEX Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.68	213.0 / 169.0	4476204		21.800	N/A	N/A	N/A	109.0
2	PFPeA	2706-90-3	1.41	263.0 / 219.0	2126621		10.604	0.007	N/A	N/A	106.0
3	PFPeA_2	2706-90-3	1.40	263.0 / 68.9	15639	M4	10.506	0.007	N/A	N/A	105.1
4	PFHxA	307-24-4	2.22	313.0 / 269.0	1459176		5.407	0.081	0.089	Pass	108.1
5	PFHxA_2	307-24-4	2.22	313.0 / 119.0	118036		5.925	0.081	0.089	Pass	118.5
6	PFHpA	375-85-9	2.86	363.1 / 319.0	1603609		5.302	0.329	0.332	Pass	106.1
7	PFHpA_2	375-85-9	2.86	363.1 / 169.0	527829		5.444	0.329	0.332	Pass	108.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.29	413.1 / 369.1	1560349	M5	4.898	0.402	0.369	Pass	98.0
9	PFOA_2	335-67-1	3.29	413.1 / 169.0	626486	M5	5.326	0.402	0.369	Pass	106.5
10	PFNA	375-95-1	3.69	462.8 / 418.9	1486902		5.118	0.318	0.303	Pass	102.4
11	PFNA_2	375-95-1	3.69	462.8 / 219.0	473362	M5	5.460	0.318	0.303	Pass	109.2
12	PFDA	335-76-2	4.07	513.1 / 469.1	1467058		5.126	0.170	0.162	Pass	102.5
13	PFDA_2	335-76-2	4.07	513.1 / 219.0	249566		5.282	0.170	0.162	Pass	105.6
14	PFUnA	2058-94-8	4.44	563.1 / 519.1	1198378		5.119	0.201	0.199	Pass	102.4
15	PFUnA_2	2058-94-8	4.44	563.1 / 269.0	240927		5.305	0.201	0.199	Pass	106.1
16	PFDoA	307-55-1	4.81	613.1 / 569.1	1279388		5.565	0.188	0.180	Pass	111.3
17	PFDoA_2	307-55-1	4.81	613.1 / 319.0	240137		5.647	0.188	0.180	Pass	112.9
18	PFTrDA	72629-94-8	5.18	663.1 / 619.1	1172781		5.144	0.165	0.160	Pass	102.9
19	PFTrDA_2	72629-94-8	5.18	663.1 / 169.0	192994		5.257	0.165	0.160	Pass	105.2
20	PFTeDA	376-06-7	5.54	713.1 / 669.1	1144096		5.456	0.140	0.149	Pass	109.1
21	PFTeDA_2	376-06-7	5.54	713.1 / 169.0	160370		5.241	0.140	0.149	Pass	104.8
22	PFBS	375-73-5	2.20	299.1 / 80.1	930599		4.320	0.385	0.388	Pass	97.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.20	299.1 / 99.1	358116		4.183	0.385	0.388	Pass	94.2
24	PFPeS	2706-91-4	2.91	349.1 / 80.1	926064		4.656	0.277	0.297	Pass	99.1
25	PFPeS_2	2706-91-4	2.91	349.1 / 99.1	256192		4.437	0.277	0.297	Pass	94.4
26	PFHxS	355-46-4	3.38	399.1 / 80.1	795966	M5	4.438	0.305	0.296	Pass	97.3
27	PFHxS_2	355-46-4	3.38	399.1 / 99.1	242926		4.405	0.305	0.296	Pass	96.6
28	PFHpS	375-92-8	3.81	449.1 / 80.1	816026		5.207	0.276	0.258	Pass	109.4
29	PFHpS_2	375-92-8	3.81	449.1 / 99.1	225348		5.466	0.276	0.258	Pass	114.8
30	PFOS	1763-23-1	4.20	499.1 / 80.1	836330	M5	4.836	0.237	0.233	Pass	104.2
31	PFOS_2	1763-23-1	4.20	499.1 / 99.1	197832	M5	5.128	0.237	0.233	Pass	110.5
32	PFNS	68259-12-1	4.59	549.1 / 80.1	637131		5.598	0.294	0.296	Pass	116.6
33	PFNS_2	68259-12-1	4.59	549.1 / 99.1	187478		5.624	0.294	0.296	Pass	117.2
34	PFDS	335-77-3	4.96	599.1 / 80.1	634193		5.663	0.280	0.272	Pass	117.5
35	PFDS_2	335-77-3	4.96	599.1 / 99.1	177412		5.655	0.280	0.272	Pass	117.3
36	PFDoS	79780-39-5	5.69	699.2 / 80.1	597038		5.817	0.251	0.263	Pass	120.2
37	PFDoS_2	79780-39-5	5.69	699.2 / 99.1	149633		5.555	0.251	0.263	Pass	114.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	2.00	327.1 / 307.1	1134223		19.373	0.564	0.559	Pass	103.6
39	4:2FTS_2	757124-72-4	2.00	327.1 / 81.1	639665		19.357	0.564	0.559	Pass	103.5
40	6:2FTS	27619-97-2	3.13	427.2 / 407.2	946450		22.564	0.582	0.593	Pass	118.8
41	6:2FTS_2	27619-97-2	3.13	427.2 / 81.1	550364		21.141	0.582	0.593	Pass	111.3
42	8:2FTS	39108-34-4	3.90	527.2 / 507.2	609127		22.231	0.756	0.759	Pass	115.8
43	8:2FTS_2	39108-34-4	3.90	527.2 / 81.1	460690		22.643	0.756	0.759	Pass	117.9
44	PFOSA	754-91-6	5.29	498.1 / 78.1	1094685	M5	5.188	0.025	0.023	Pass	103.8
45	PFOSA_2	754-91-6	5.29	498.1 / 478.0	26925	M5	5.390	0.025	0.023	Pass	107.8
46	NMeFOSA	31506-32-8	6.01	512.2 / 219.0	235098	M5	5.073	1.497	1.457	Pass	101.5
47	NMeFOSA_2	31506-32-8	5.95	512.2 / 169.0	352049		5.231	1.497	1.457	Pass	104.6
48	NEtFOSA	4151-50-2	6.29	526.2 / 219.0	242057		5.259	1.284	1.309	Pass	105.2
49	NEtFOSA_2	4151-50-2	6.24	526.2 / 169.0	310722		5.145	1.284	1.309	Pass	102.9
50	NMeFOSAA	2355-31-9	4.17	570.2 / 419.1	167137		5.732	0.752	0.804	Pass	114.6
51	NMeFOSAA_2	2355-31-9	4.17	570.2 / 483.0	125604		5.644	0.752	0.804	Pass	112.9
52	NEtFOSAA	2991-50-6	4.36	584.2 / 419.1	214749	M5	5.396	0.405	0.419	Pass	107.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.36	584.2 / 526.2	87000	M5	4.960	0.405	0.419	Pass	99.2
54	NMeFOSE	24448-09-7	5.87	616.1 / 58.9	6155815	M5	52.931	N/A	N/A	N/A	105.9
55	NEtFOSE	1691-99-2	6.16	630.0 / 58.9	10083243		53.830	N/A	N/A	N/A	107.7
56	HFPO-DA	13252-13-6	2.47	285.0 / 169.0	2992394		19.398	0.667	0.685	Pass	97.0
57	HFPO-DA_2	13252-13-6	2.47	285.0 / 184.9	1994473		19.751	0.667	0.685	Pass	98.8
58	ADONA	919005-14-4	3.02	376.9 / 251.0	7438242		28.547	0.778	0.884	Pass	151.0
59	ADONA_2	919005-14-4	3.03	376.9 / 84.8	5788733		22.085	0.778	0.884	Pass	116.9
60	9Cl-PF3ONS	756426-58-1	4.46	530.8 / 351.1	8384266		22.479	0.324	0.325	Pass	120.2
61	9Cl-PF3ONS_2	756426-58-1	4.46	532.8 / 353.0	2717656		22.343	0.324	0.325	Pass	119.5
62	11Cl-PF3OUdS	763051-92-9	5.22	630.9 / 451.0	5530932		22.546	0.336	0.338	Pass	119.3
63	11Cl-PF3OUdS_2	763051-92-9	5.22	632.9 / 452.9	1856977		21.575	0.336	0.338	Pass	114.2
64	3:3FTCA	356-02-5	1.82	241.1 / 177.1	312748		27.543	1.442	1.433	Pass	110.2
65	3:3FTCA_2	356-02-5	1.82	241.1 / 117.0	451022		25.827	1.442	1.433	Pass	103.3
66	5:3FTCA	914637-49-3	3.29	341.1 / 237.1	10401071		163.140	0.865	0.935	Pass	130.5
67	5:3FTCA_2	914637-49-3	3.29	341.1 / 217.0	8999635		152.512	0.865	0.935	Pass	122.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.20	441.1 / 316.9	6208881		134.567	1.675	1.712	Pass	107.7
69	7:3FTCA_2	812-70-4	4.20	441.1 / 337.1	10399152		150.075	1.675	1.712	Pass	120.1
70	PFEESA	113507-82-7	2.56	315.1 / 135.0	5674399		10.667	0.088	0.084	Pass	119.6
71	PFEESA_2	113507-82-7	2.56	315.1 / 82.9	498651		10.999	0.088	0.084	Pass	123.3
72	PFMPA	377-73-1	0.87	229.0 / 85.0	2720199		9.889	N/A	N/A	N/A	98.9
73	PFMBA	863090-89-5	1.71	279.0 / 85.0	3035166		10.459	N/A	N/A	N/A	104.6
74	NFDHA	151772-58-6	2.14	295.0 / 201.0	1295777		14.101	0.765	0.781	Pass	141.0
75	NFDHA_2	151772-58-6	2.14	295.0 / 84.9	991675		14.049	0.765	0.781	Pass	140.5
76	TDCA	516-50-7	3.00	499.1 / 124.1	4053082		11.214	5.112	5.150	Pass	112.1
77	TDCA_2	516-50-7	3.00	499.1 / 79.9	20721152		10.911	5.112	5.150	Pass	109.1
78	13C2D4-4:2FTS	Surr	1.99	333.2 / 312.1	170897		4.393	N/A	N/A	N/A	87.9
79	13C2-PFOA	Surr	3.29	415.0 / 370.0	467442		2.774	N/A	N/A	N/A	111.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.67	217.0 / 172.0	2434452		10.013	NA	NA	NA	100.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.40	268.0 / 223.0	1158358		4.981	NA	NA	NA	99.6
	13C5-PFHxA	EIS	2.21	318.0 / 273.0	440274		2.203	NA	NA	NA	88.1
	13C4-PFHpA	EIS	2.85	367.0 / 322.0	317471		2.313	NA	NA	NA	92.5
	13C8-PFOA	EIS	3.29	420.8 / 376.0	1094946		2.275	NA	NA	NA	91.0
	13C9-PFNA	EIS	3.68	472.0 / 427.0	428843		1.284	NA	NA	NA	102.7
	13C6-PFDA	EIS	4.06	519.0 / 474.0	437226		1.317	NA	NA	NA	105.4
	13C7-PFUnA	EIS	4.43	570.0 / 525.0	379721		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	4.81	615.1 / 570.0	301122		1.262	NA	NA	NA	100.9
	13C2-PFTeDA	EIS	5.53	715.1 / 670.1	234034		1.095	NA	NA	NA	87.6
	13C3-PFBS	EIS	2.20	302.1 / 80.1	524335		2.552	NA	NA	NA	109.5
	13C3-PFHxS	EIS	3.38	402.1 / 80.1	425925		2.392	NA	NA	NA	100.9
	13C8-PFOS	EIS	4.20	507.1 / 80.1	417424		2.464	NA	NA	NA	102.7
	13C2-4:2FTS	EIS	2.00	329.1 / 81.1	149623		4.390	NA	NA	NA	93.6
	13C2-6:2FTS	EIS	3.13	429.2 / 81.1	127102		4.035	NA	NA	NA	84.8
	13C2-8:2FTS	EIS	3.89	529.2 / 81.1	119052		4.206	NA	NA	NA	87.6

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.29	506.1 / 78.1	764672		2.832	NA	NA	NA	113.3
d3-NMeFOSA	EIS	5.99	515.2 / 219.0	112734		2.838	NA	NA	NA	113.5
d5-NEtFOSA	EIS	6.27	531.2 / 219.0	106583		2.879	NA	NA	NA	115.2
d3-NMeFOSAA	EIS	4.16	573.2 / 419.1	198900		4.758	NA	NA	NA	95.2
d5-NEtFOSAA	EIS	4.35	589.3 / 419.1	206249		5.130	NA	NA	NA	102.6
d7-NMeFOSE	EIS	5.85	623.2 / 58.9	1125480		23.972	NA	NA	NA	95.9
d9-NEtFOSE	EIS	6.14	639.2 / 58.9	1635154		24.034	NA	NA	NA	96.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.46	287.0 / 169.0	1670256		11.470	NA	NA	NA	114.7
	13C3-PFBA	NIS	0.67	216.0 / 172.0	1081540		5.467	NA	NA	NA	109.3
	13C2-PFHxA	NIS	2.21	315.0 / 270.0	698738		2.658	NA	NA	NA	106.3
	13C4-PFOA	NIS	3.29	417.0 / 372.0	473879		2.735	NA	NA	NA	109.4
	13C5-PFNA	NIS	3.68	468.0 / 423.0	376912		1.211	NA	NA	NA	96.9
	13C2-PFDA	NIS	4.06	515.1 / 470.1	385910		1.218	NA	NA	NA	97.5
	18O2-PFHxS	NIS	3.38	403.1 / 84.1	360647		2.551	NA	NA	NA	107.7
	13C4-PFOS	NIS	4.20	503.1 / 80.1	294201		2.377	NA	NA	NA	99.0

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

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PFBA
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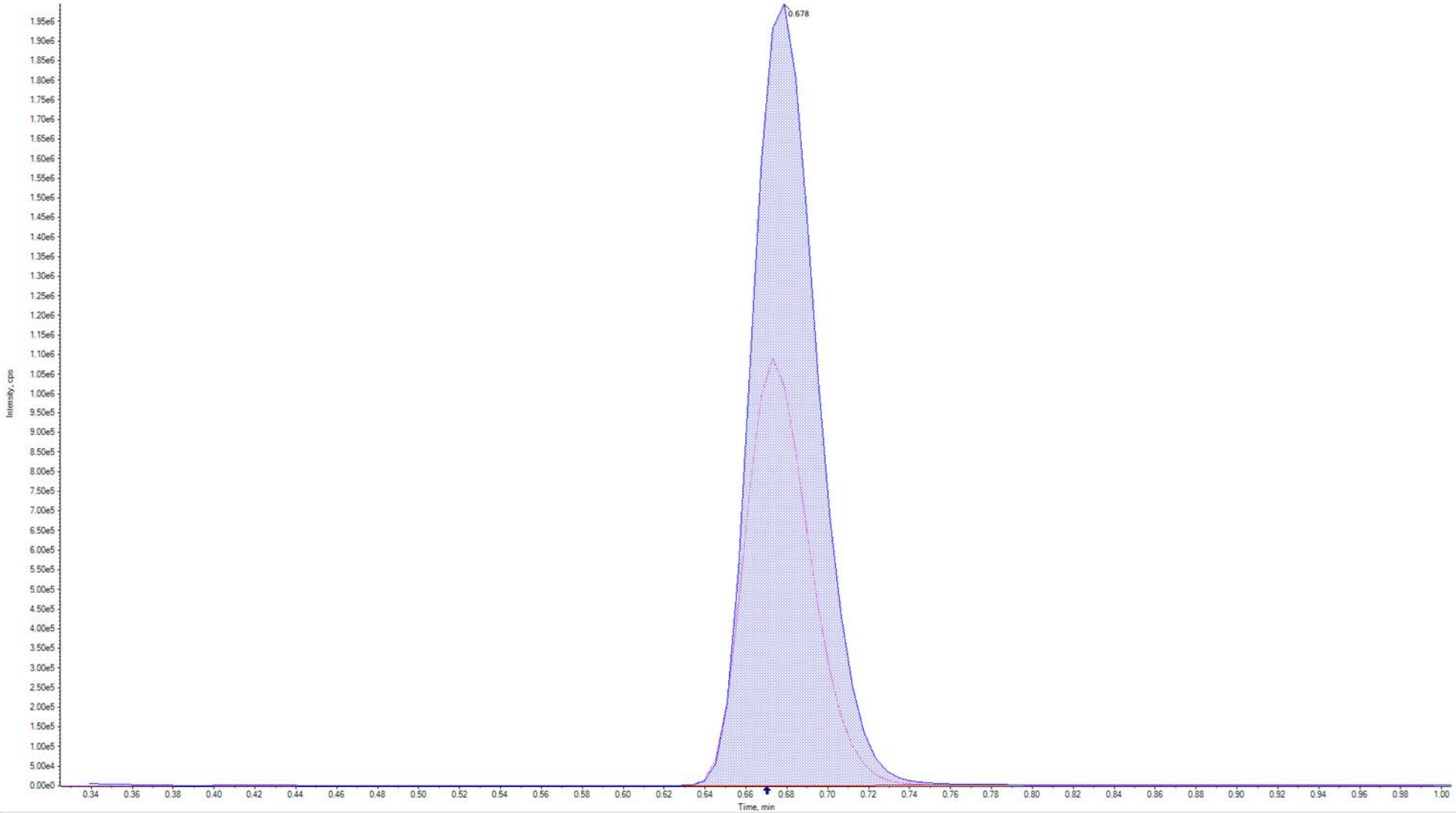

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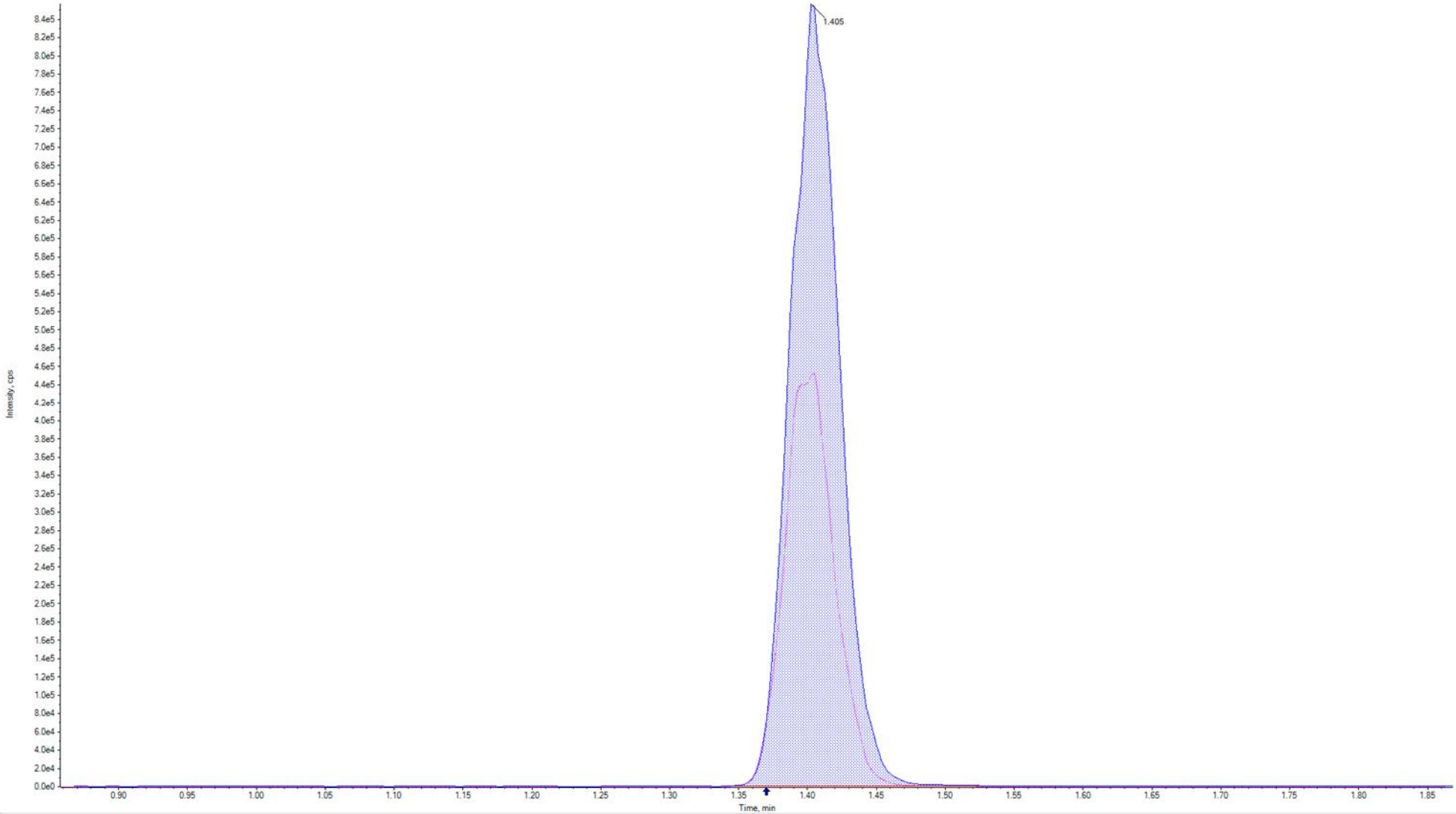
PFPeA
Sample: WG2011094-15,1633FMED S/N:7151.7 Points Across peak:69



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PFPeA_2
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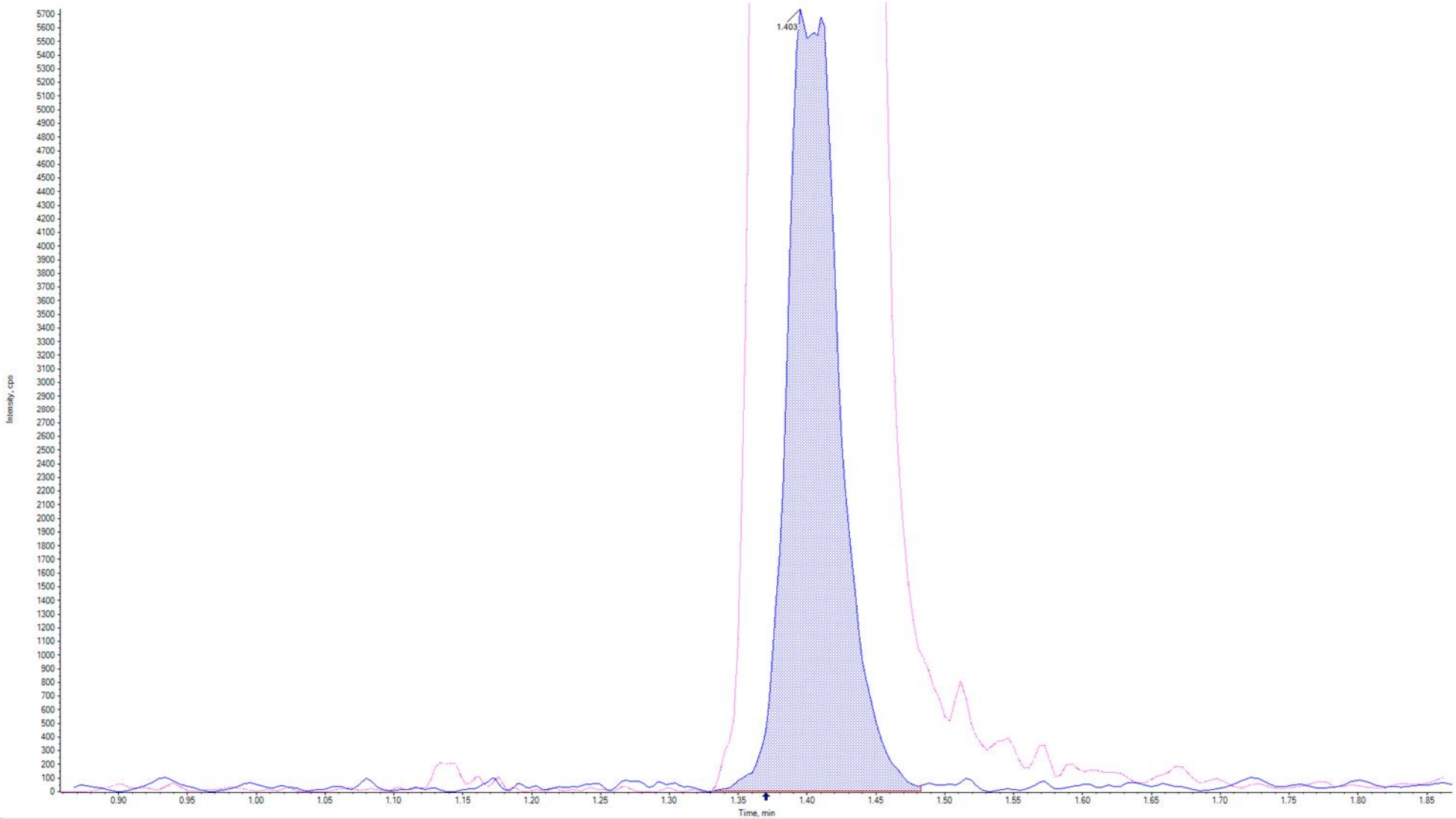

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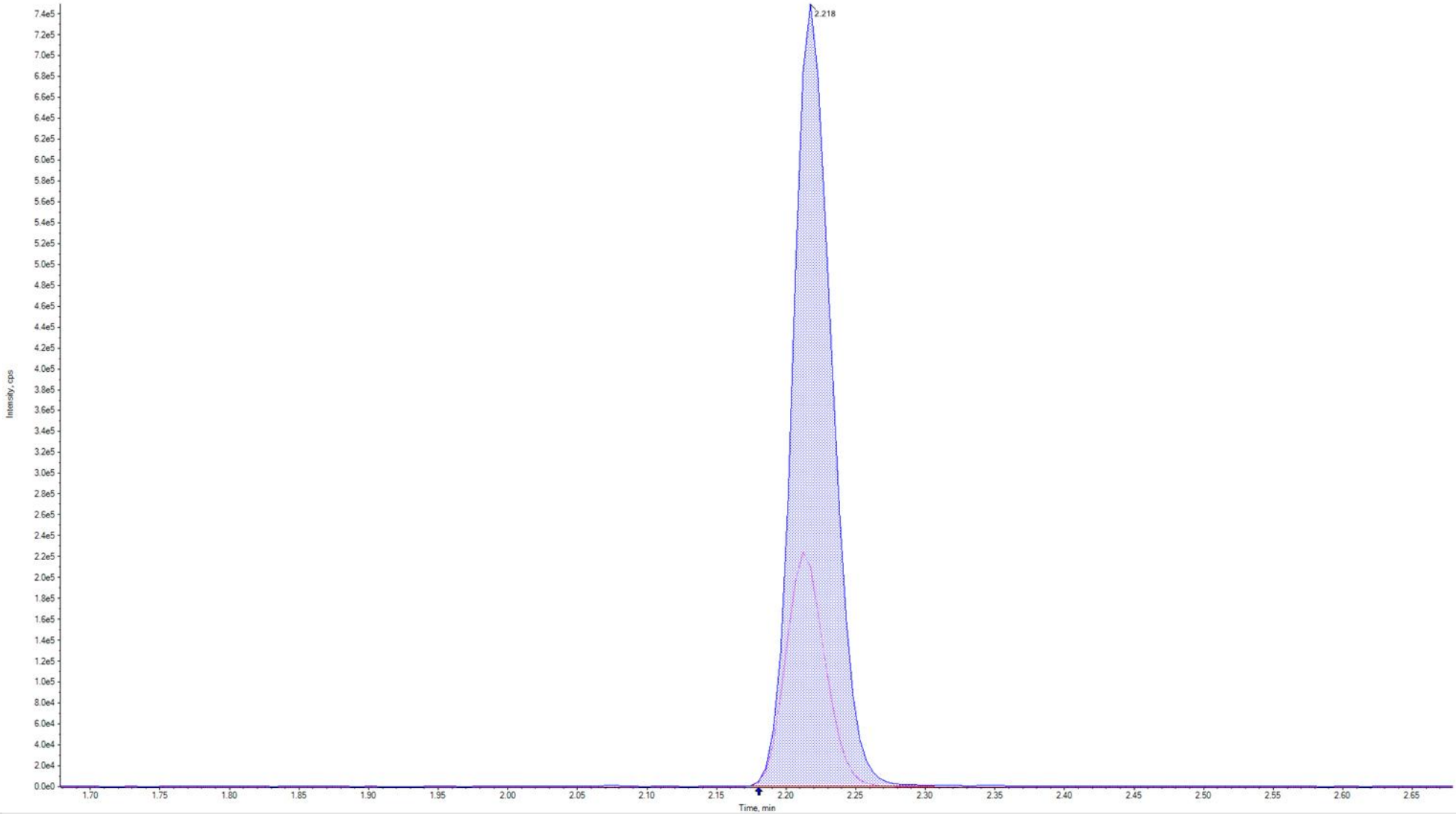
PFHxA
Sample: WG2011094-15,1633FMED S/N:3047.9 Points Across peak:29



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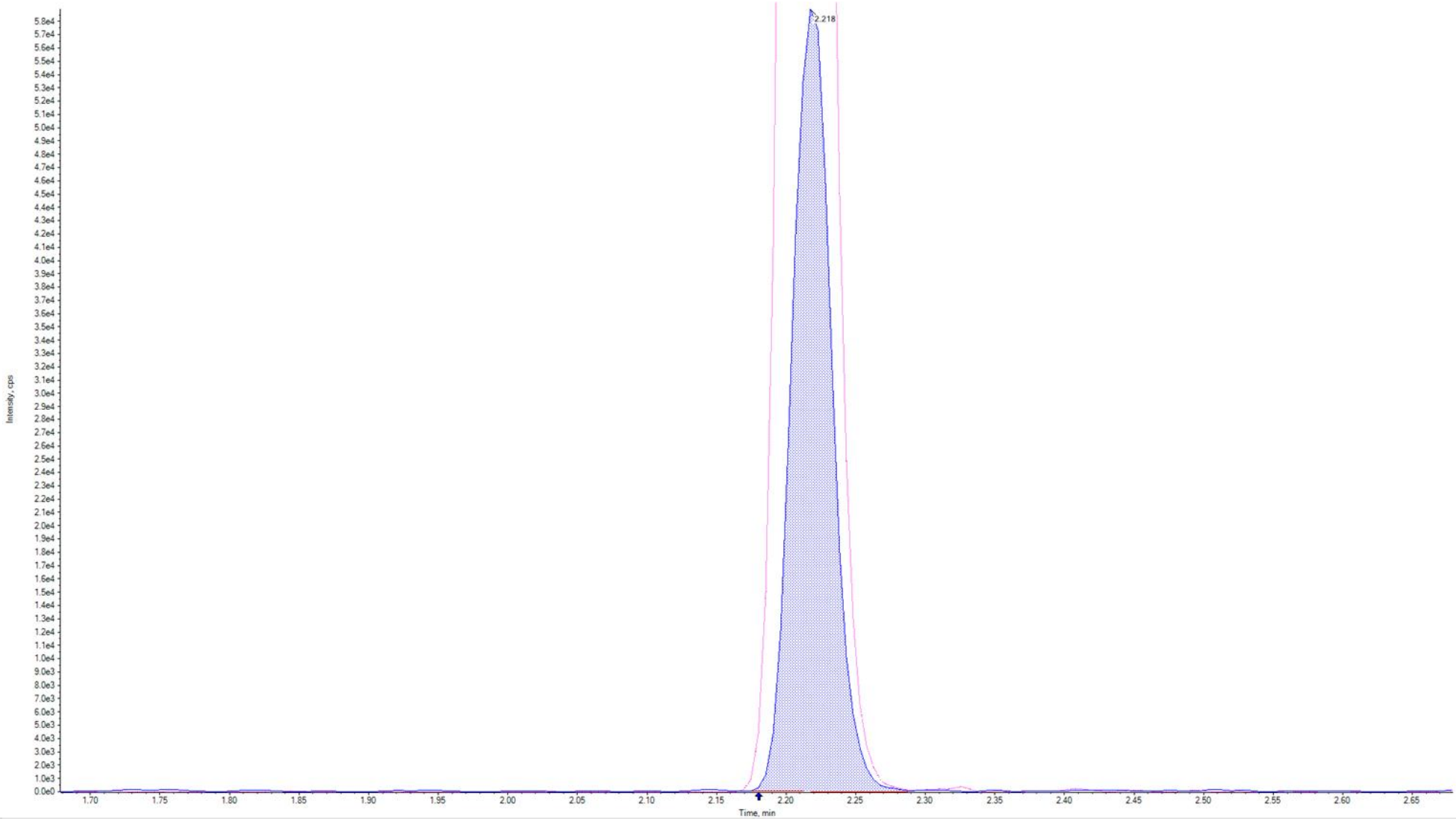
PFHxA_2
Sample: WG2011094-15,1633FMED S/N:1476.3 Points Across peak:24



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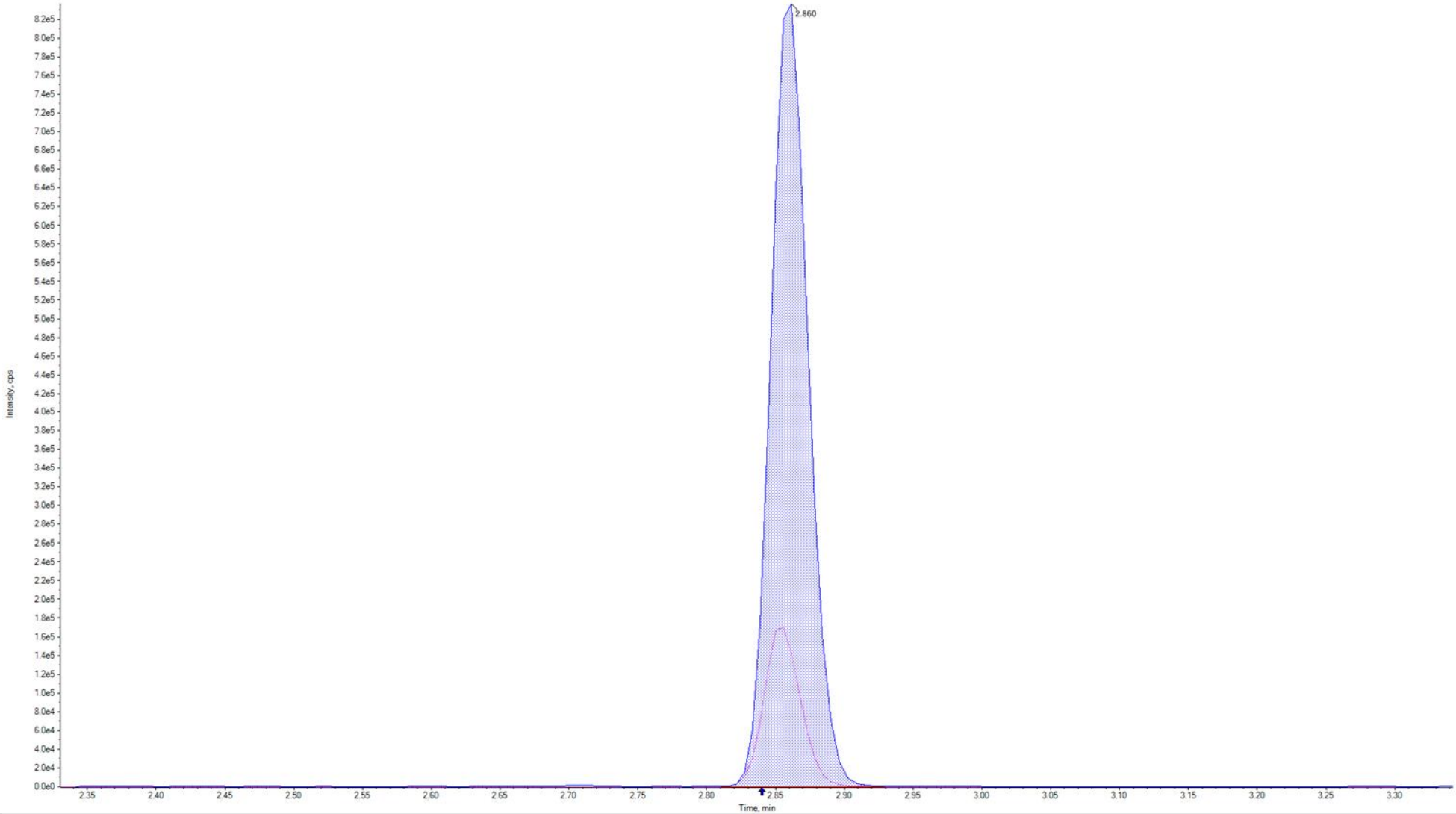
PFHpA
Sample: WG2011094-15,1633FMED S/N:5348.4 Points Across peak:21



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PFHpA_2
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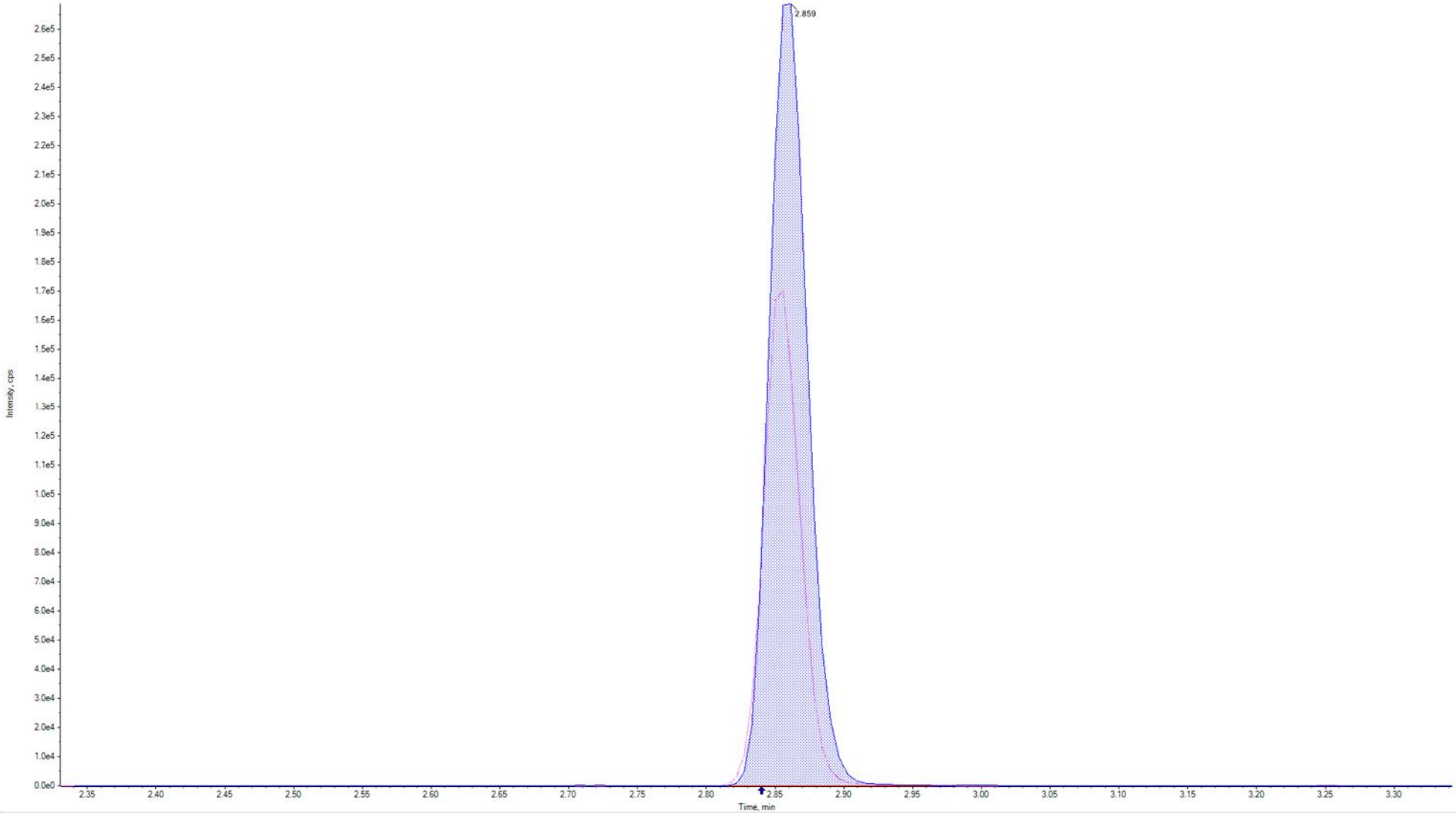

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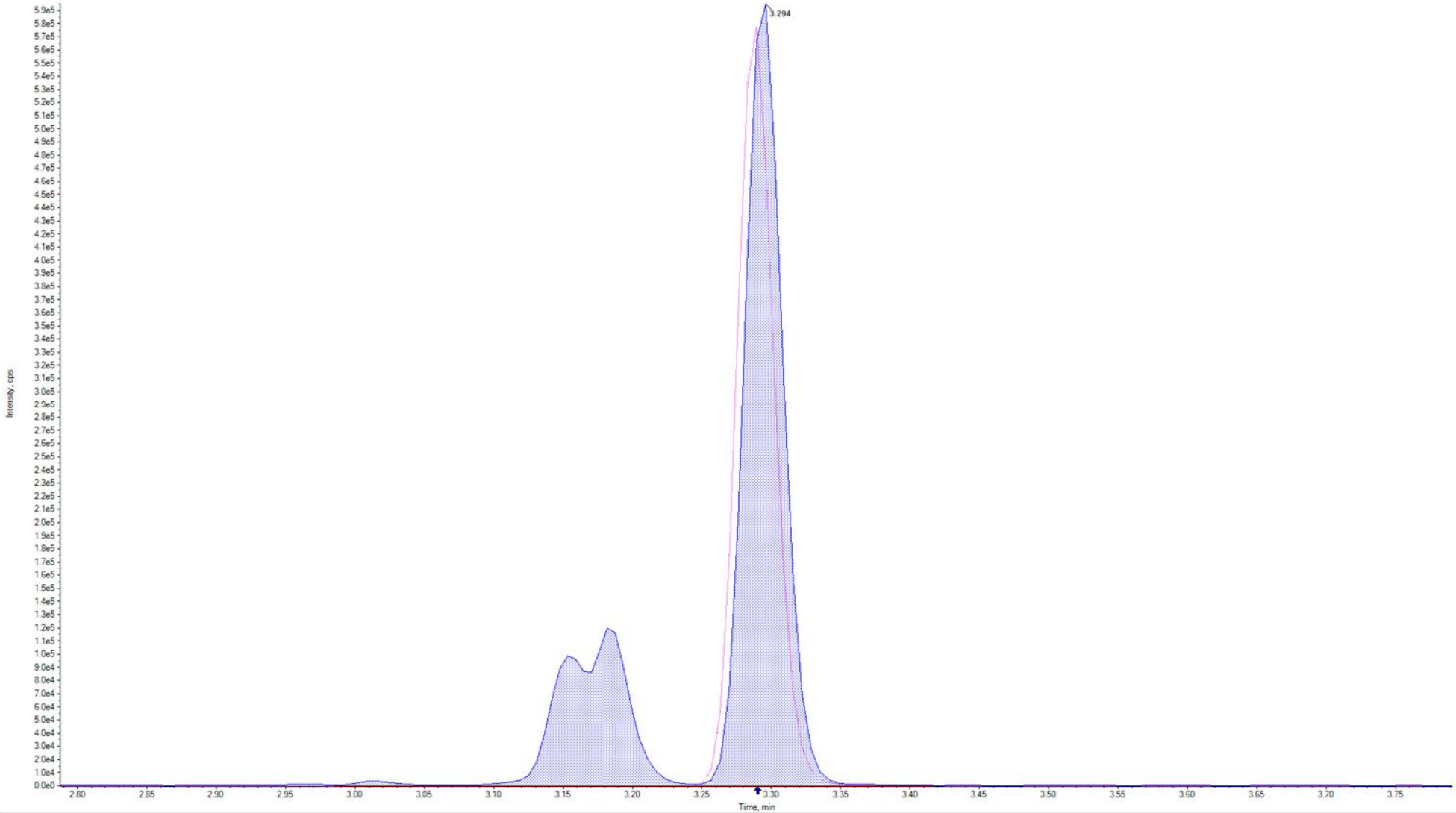
PFOA
Sample: WG2011094-15,1633FMED S/N:682.3 Points Across peak:75



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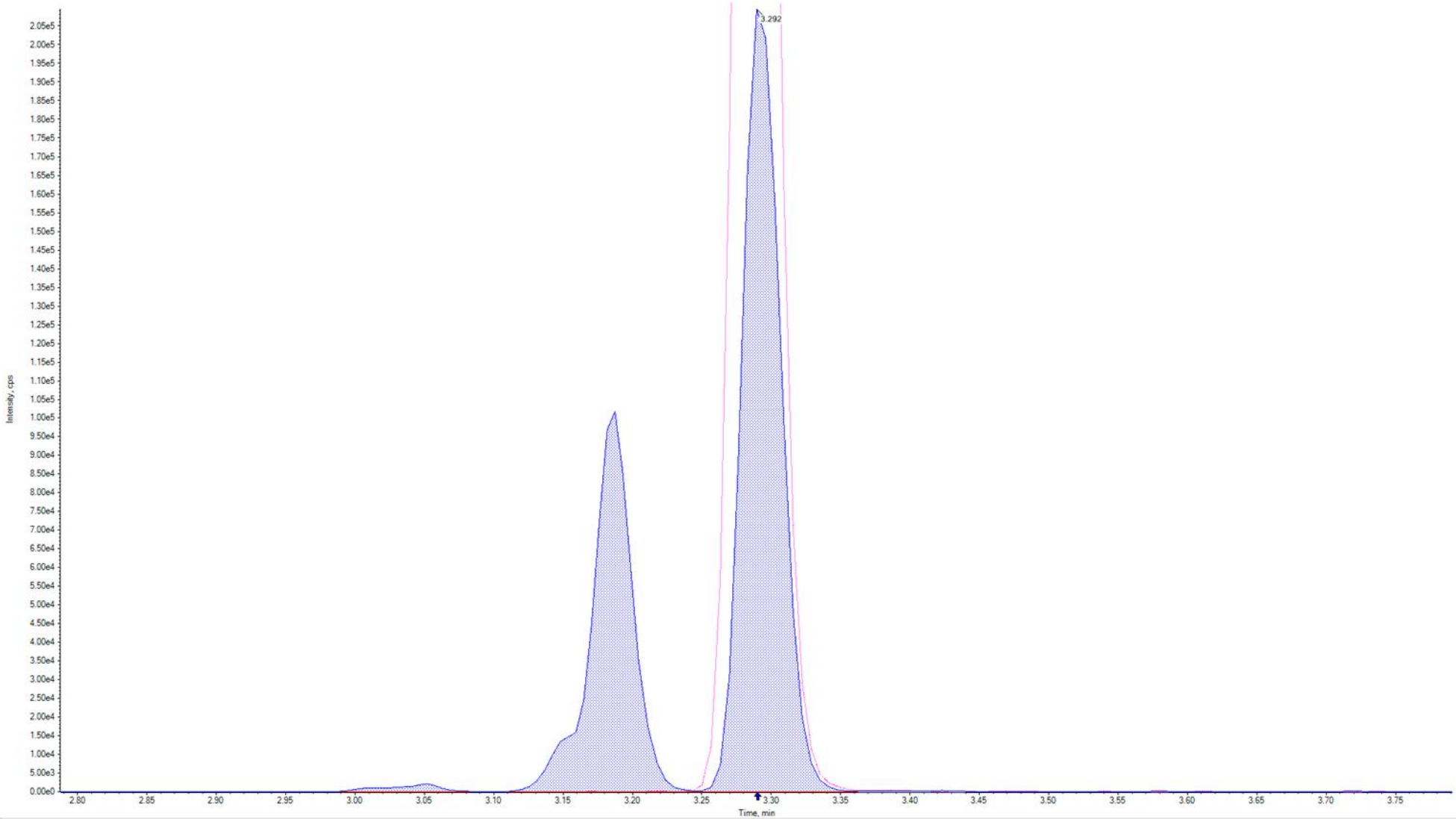
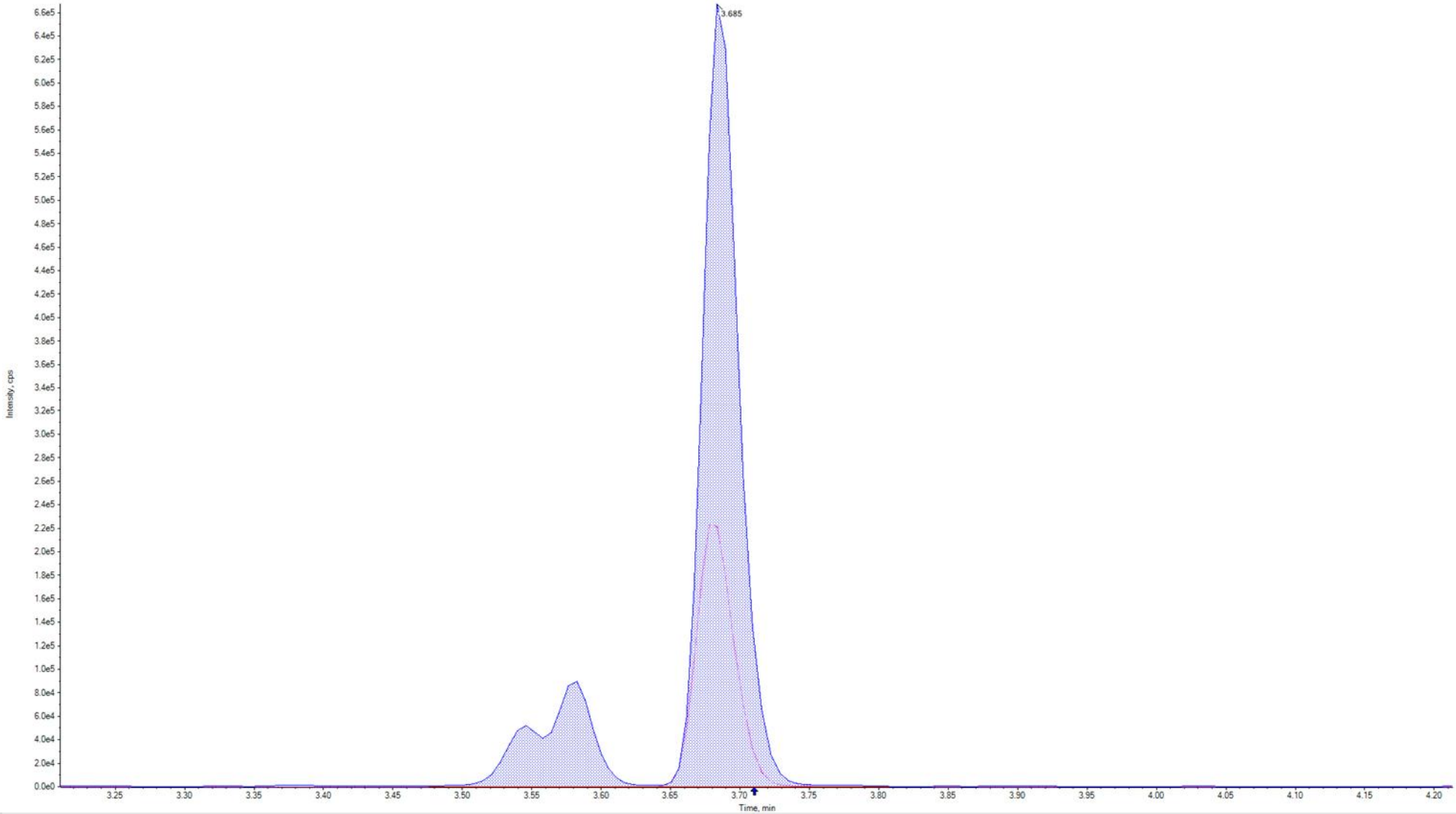
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

PFOA_2
Sample: WG2011094-15,1633FMED S/N:683.0 Points Across peak:65



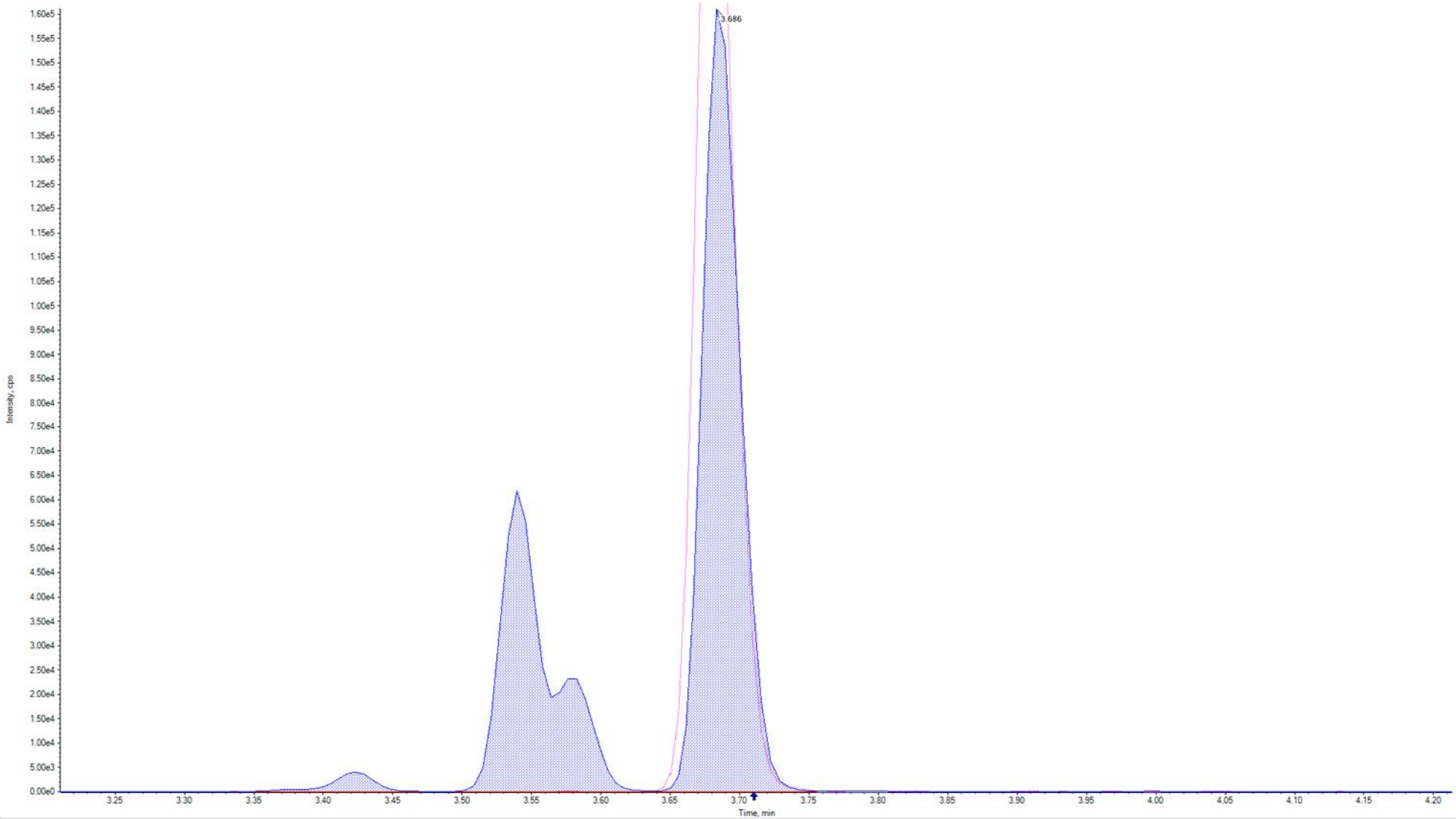
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

PFNA
Sample: WG2011094-15,1633FMED S/N:767.9 Points Across peak:60



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

PFNA_2
Sample: WG2011094-15,1633FMED S/N:516.5 Points Across peak:71



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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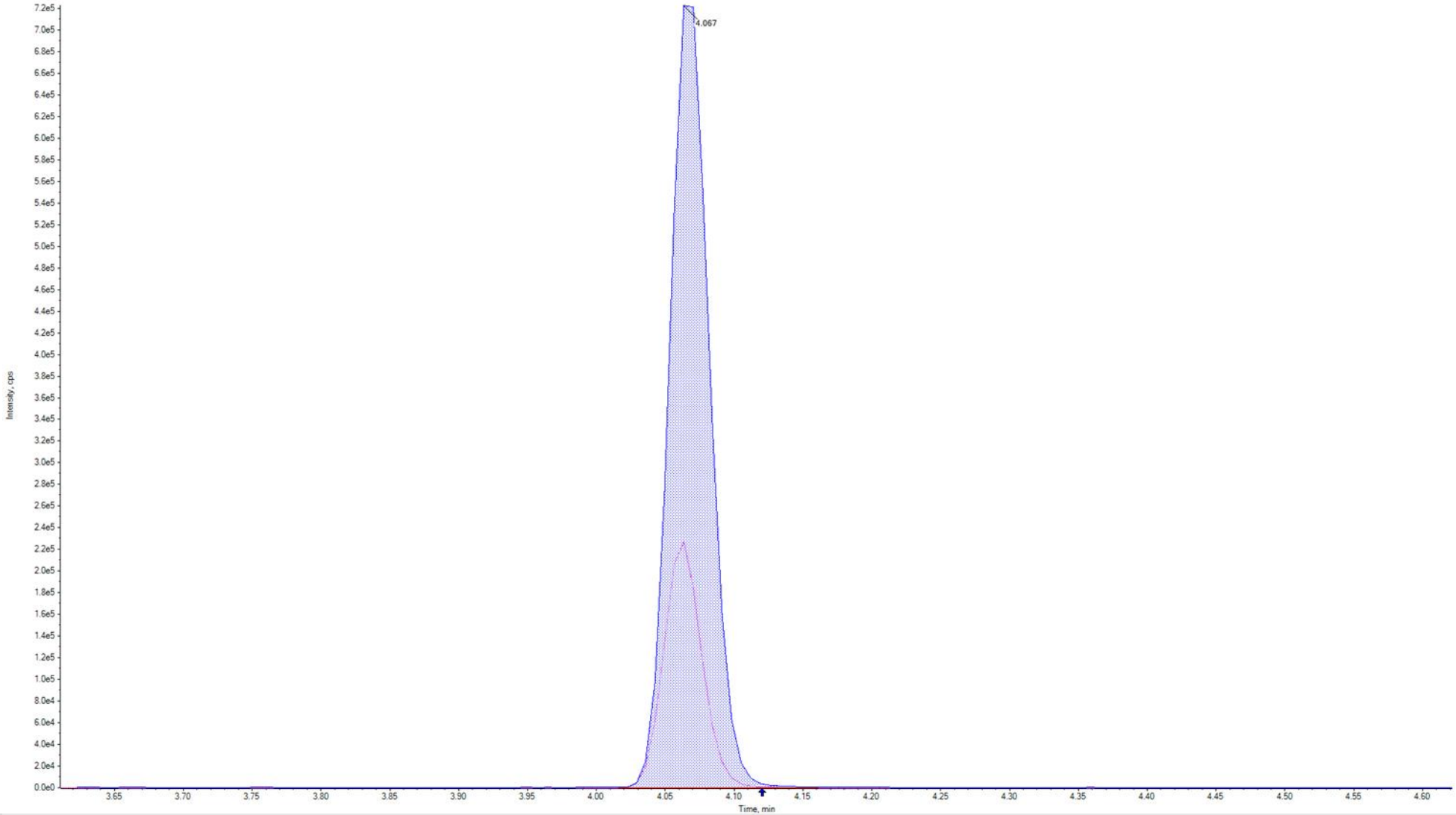
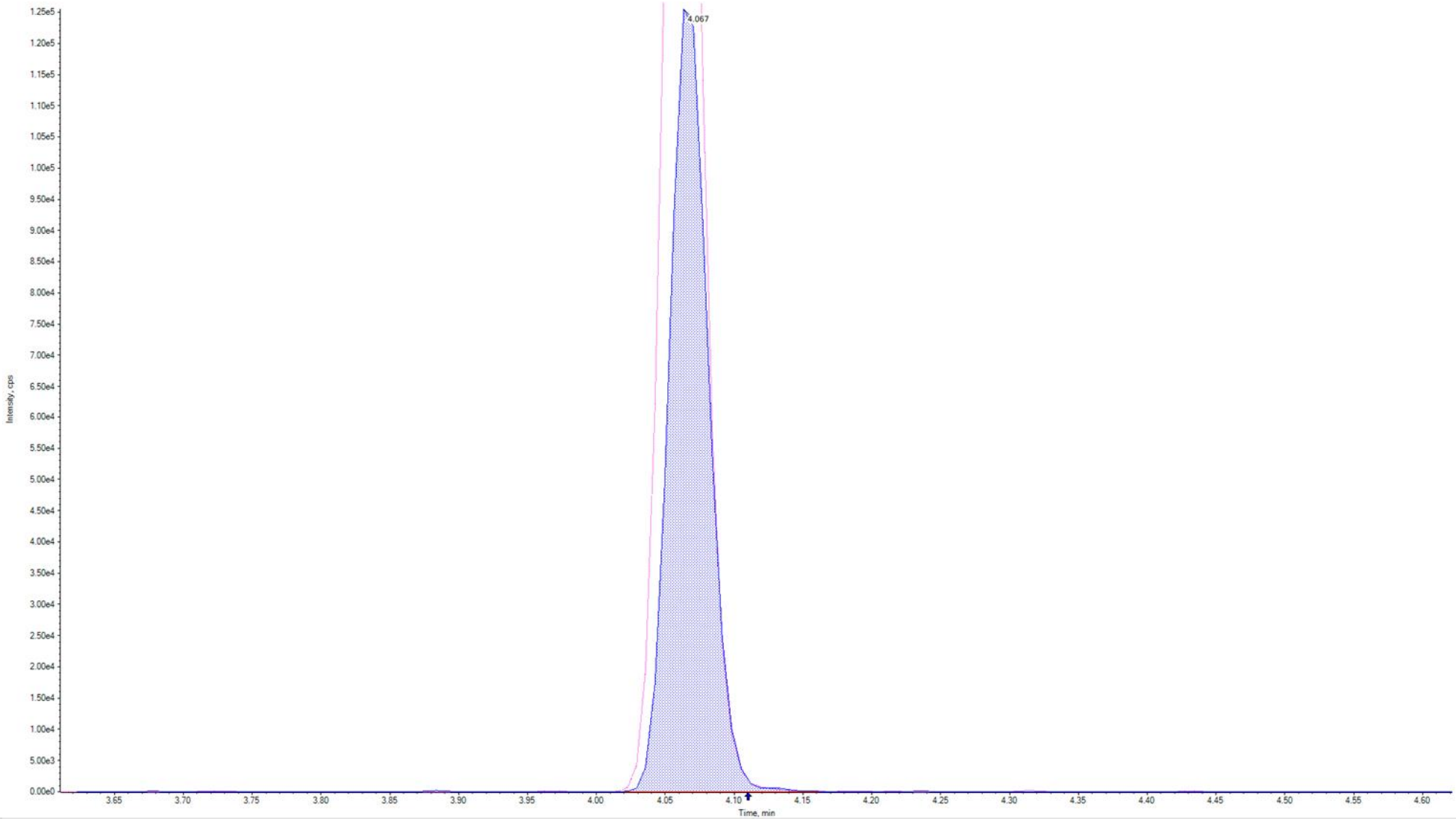
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

PFDA
Sample: WG2011094-15,1633FMED S/N:6875.7 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

PFDA_2
Sample: WG2011094-15,1633FMED S/N:2516.6 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 1:46:15 AM
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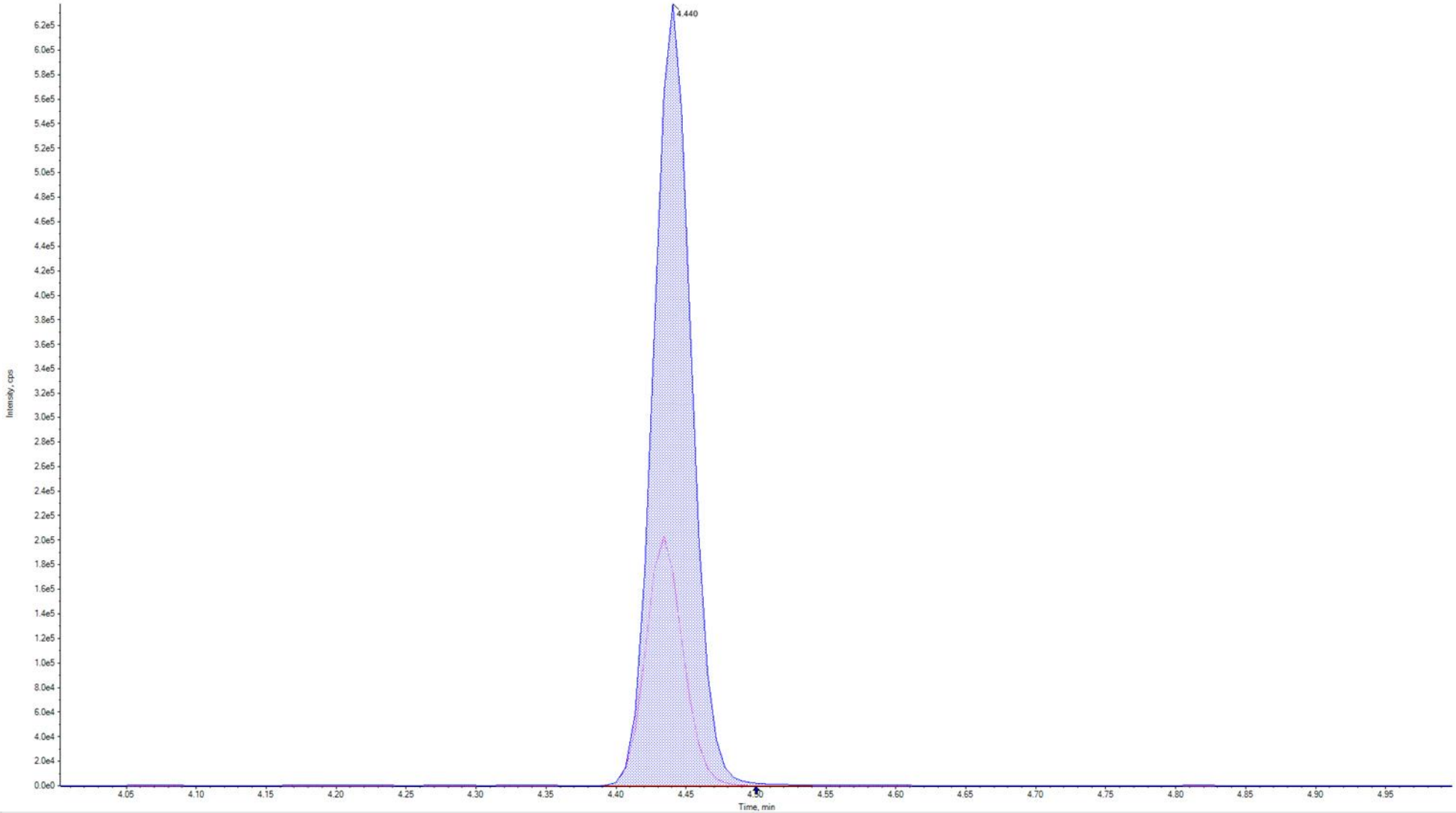
PFUnA
Sample: WG2011094-15,1633FMED S/N:7539.3 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 1:46:15 AM
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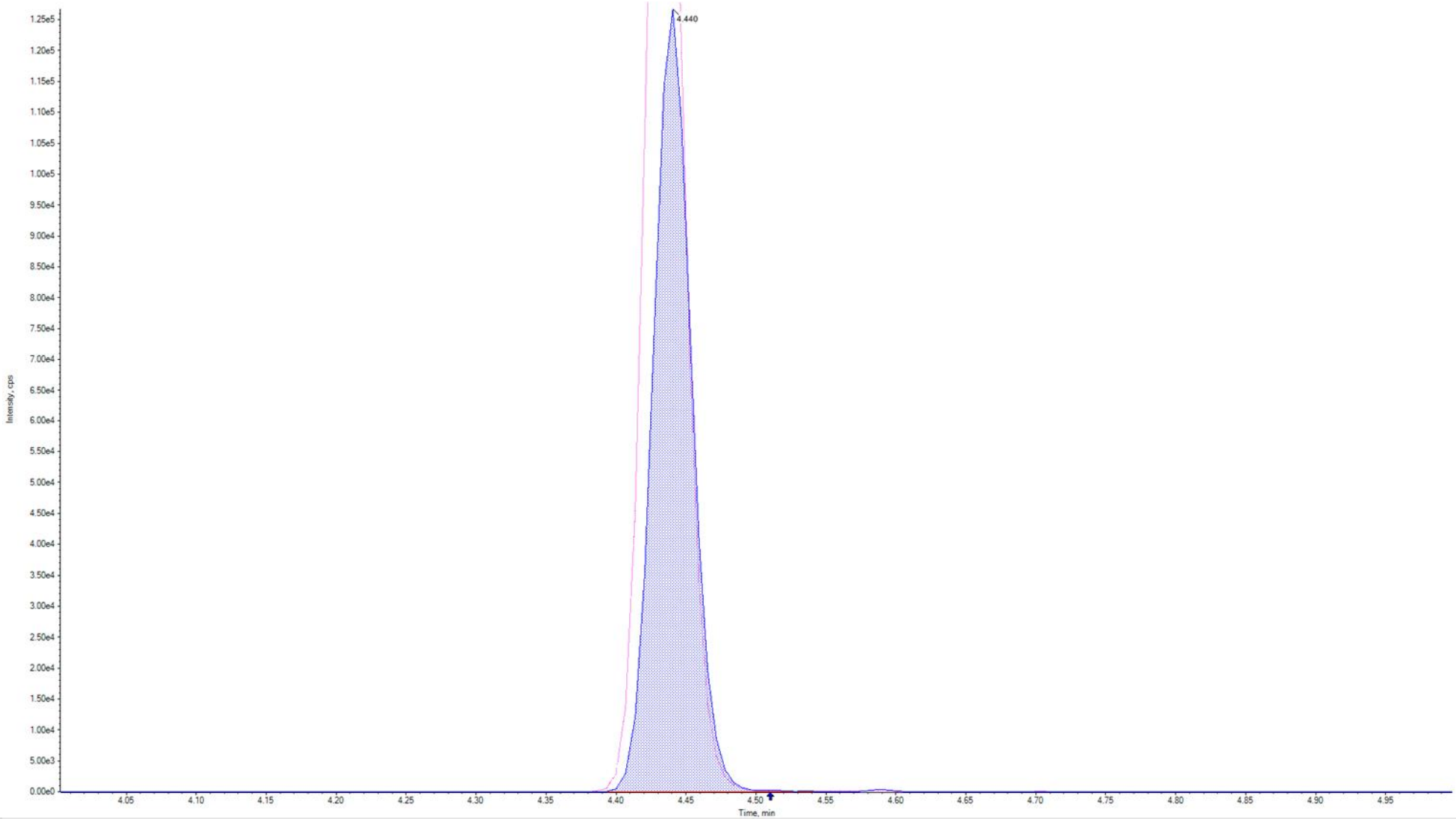
PFUnA_2
Sample: WG2011094-15,1633FMED S/N:2858.4 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
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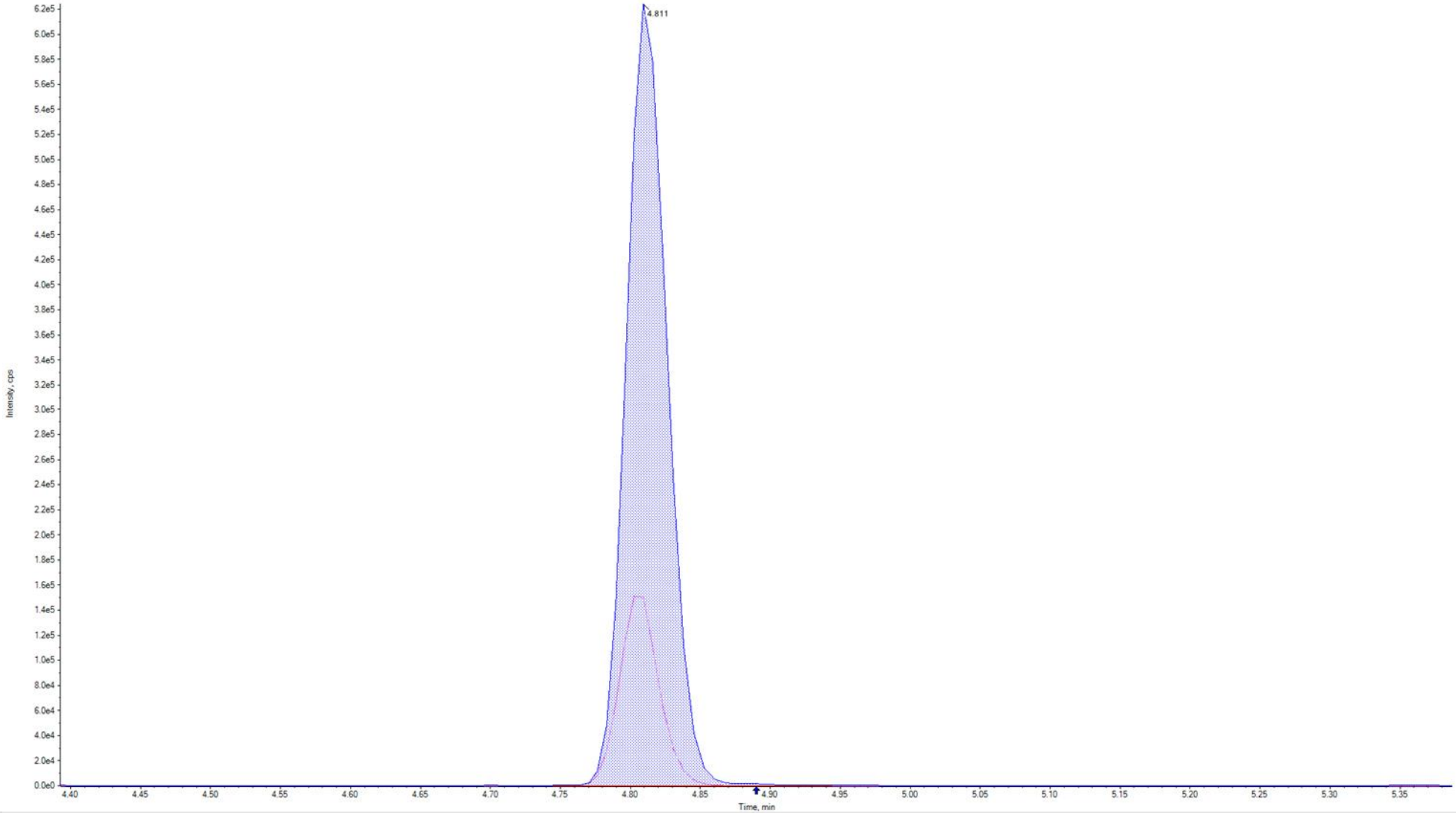
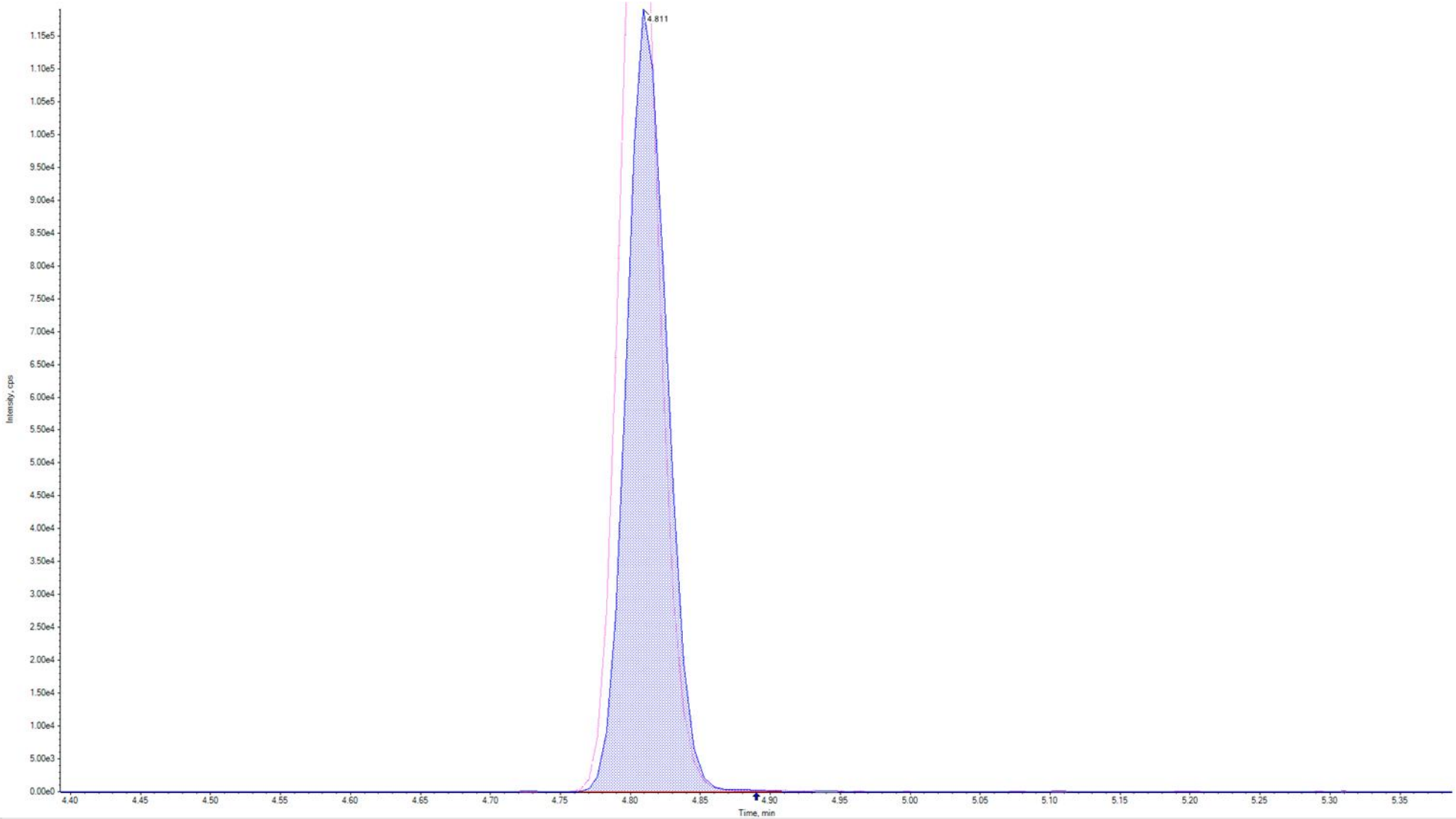
PFDoA
Sample: WG2011094-15,1633FMED S/N:11723.7 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

PFDoA_2
Sample: WG2011094-15,1633FMED S/N:3284.1 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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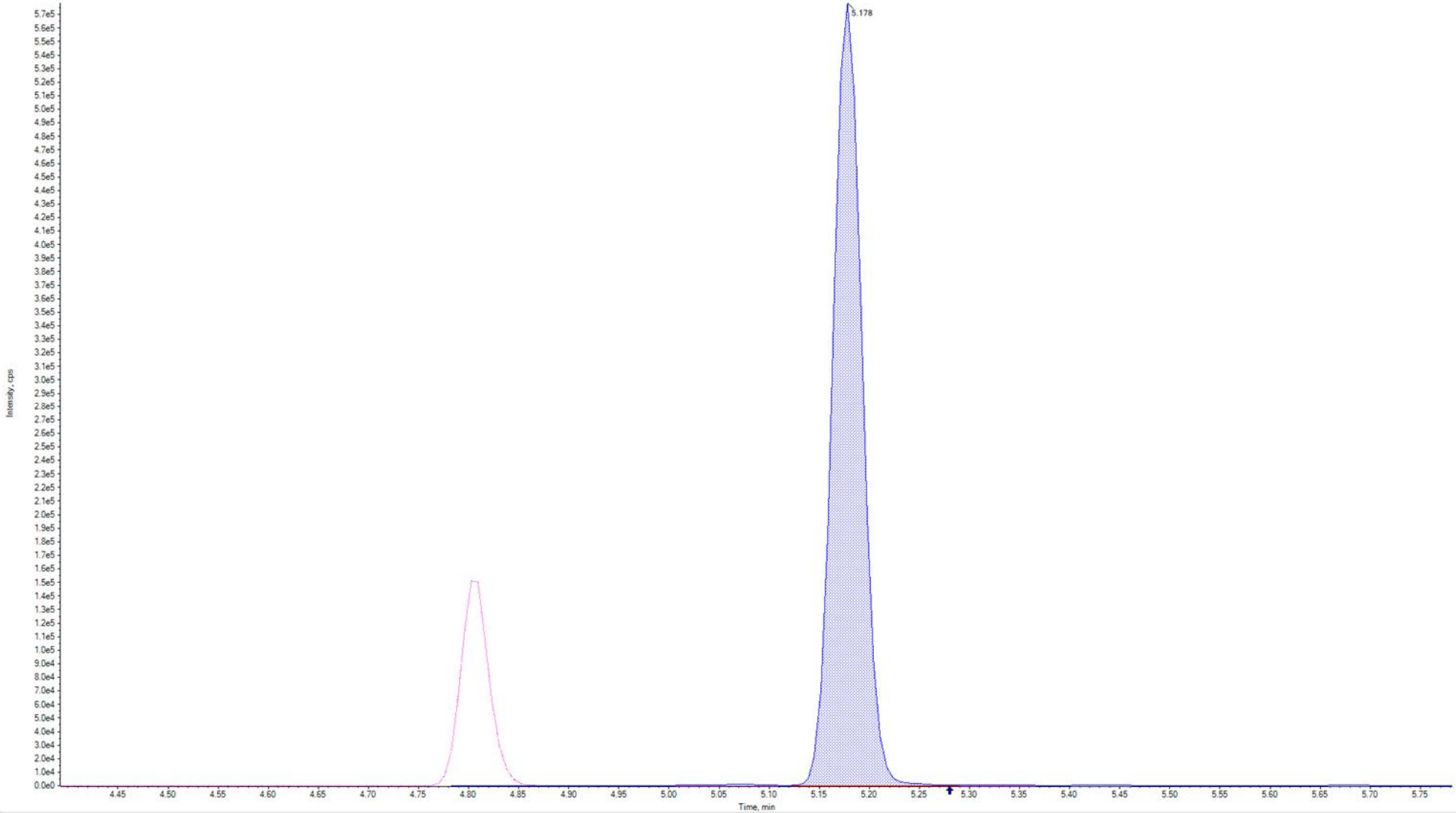
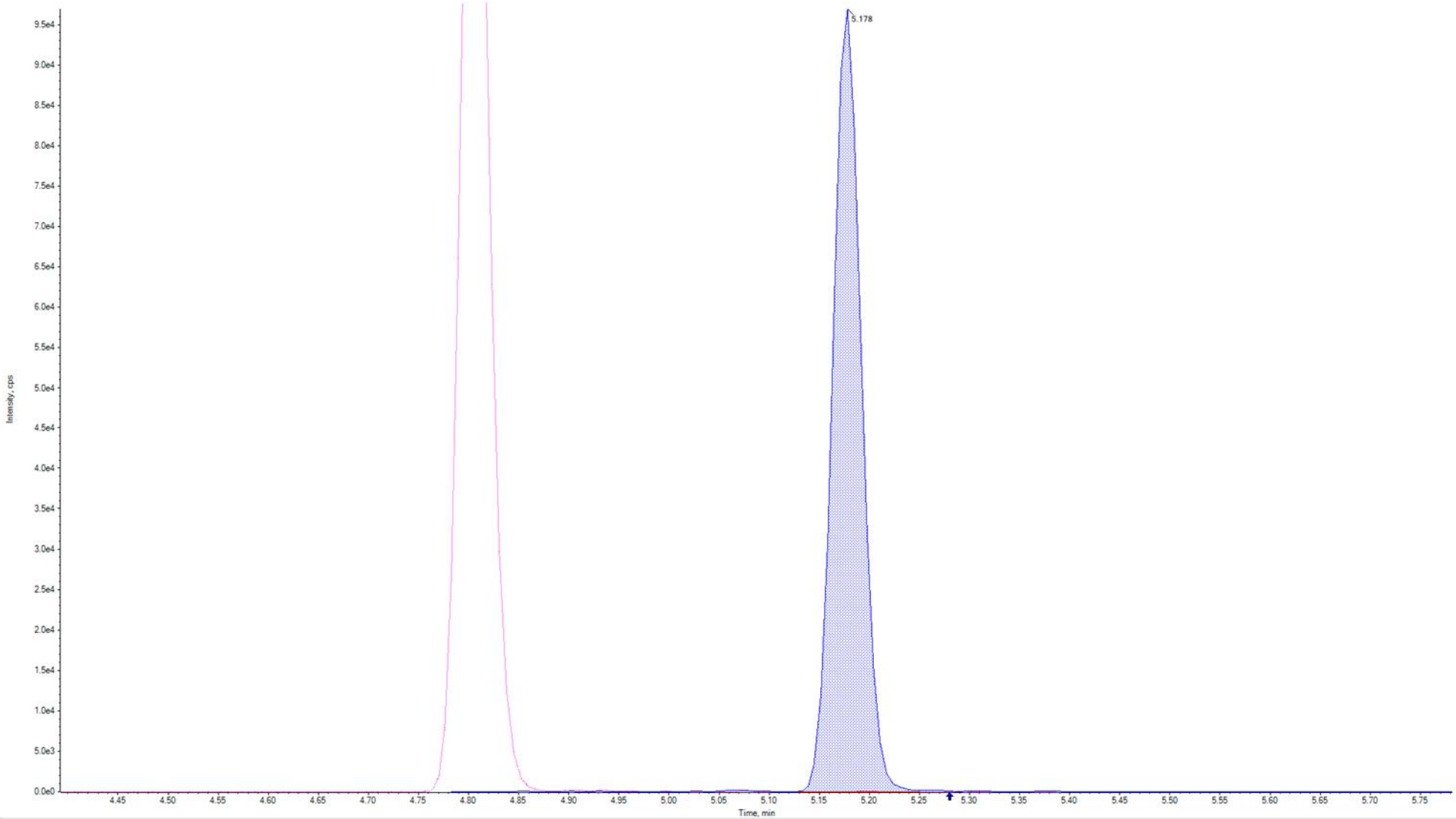
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

PFTrDA
Sample: WG2011094-15,1633FMED S/N:3583.8 Points Across peak:28



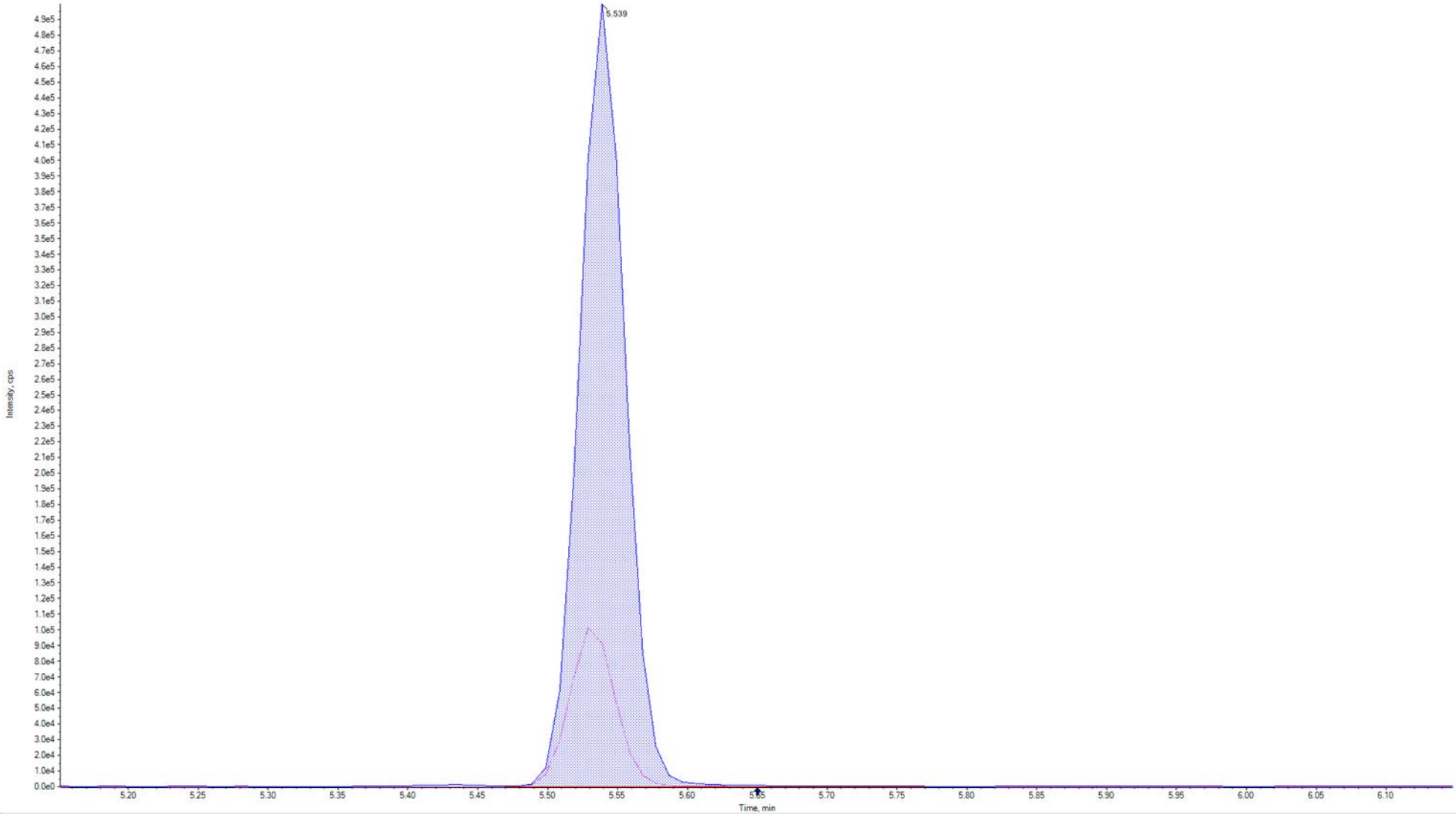
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

PFTrDA_2
Sample: WG2011094-15,1633FMED S/N:1978.0 Points Across peak:22



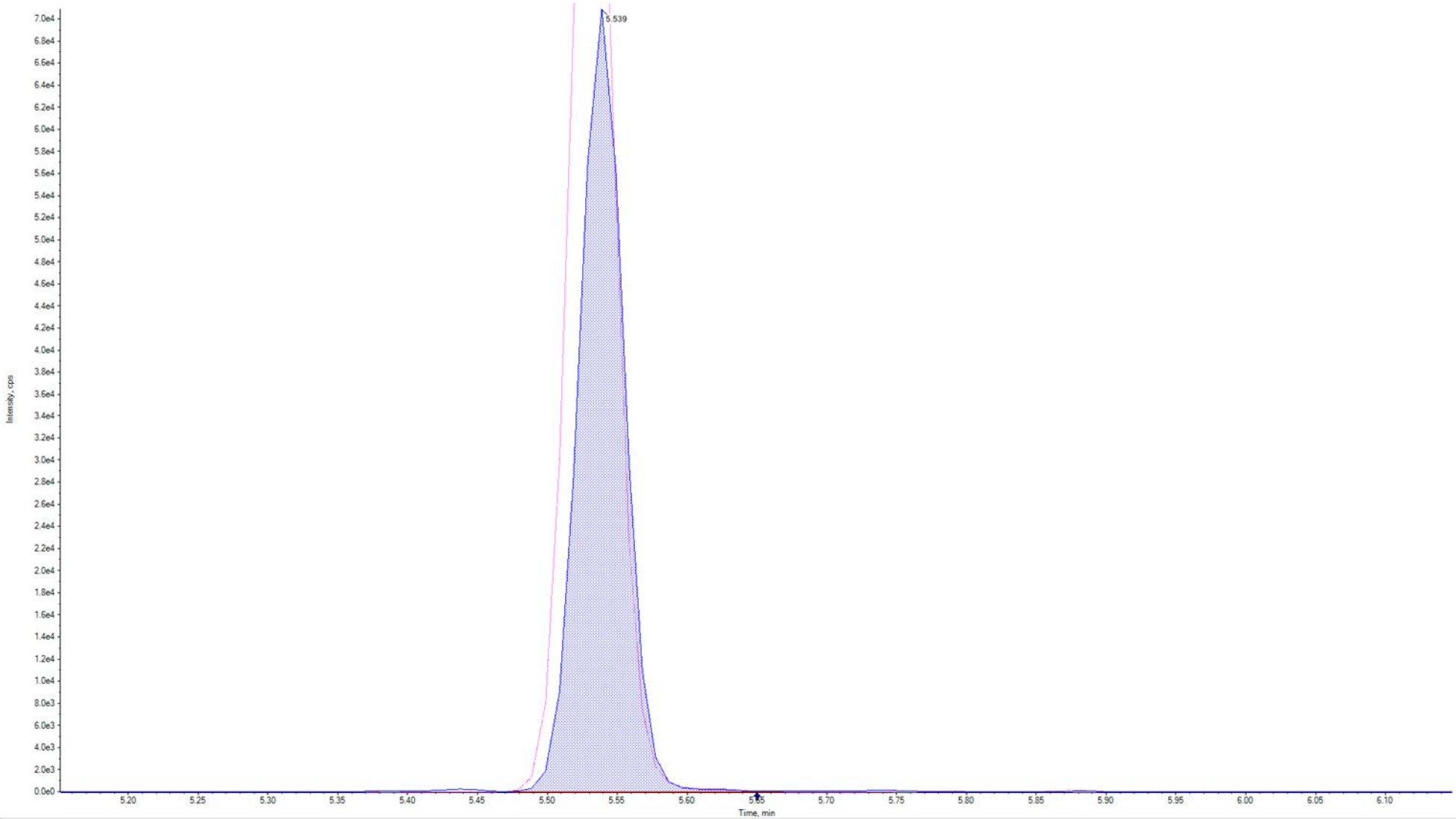
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

PFTeDA
Sample: WG2011094-15,1633FMED S/N:2086.1 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

PFTeDA_2
Sample: WG2011094-15,1633FMED S/N:2154.0 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
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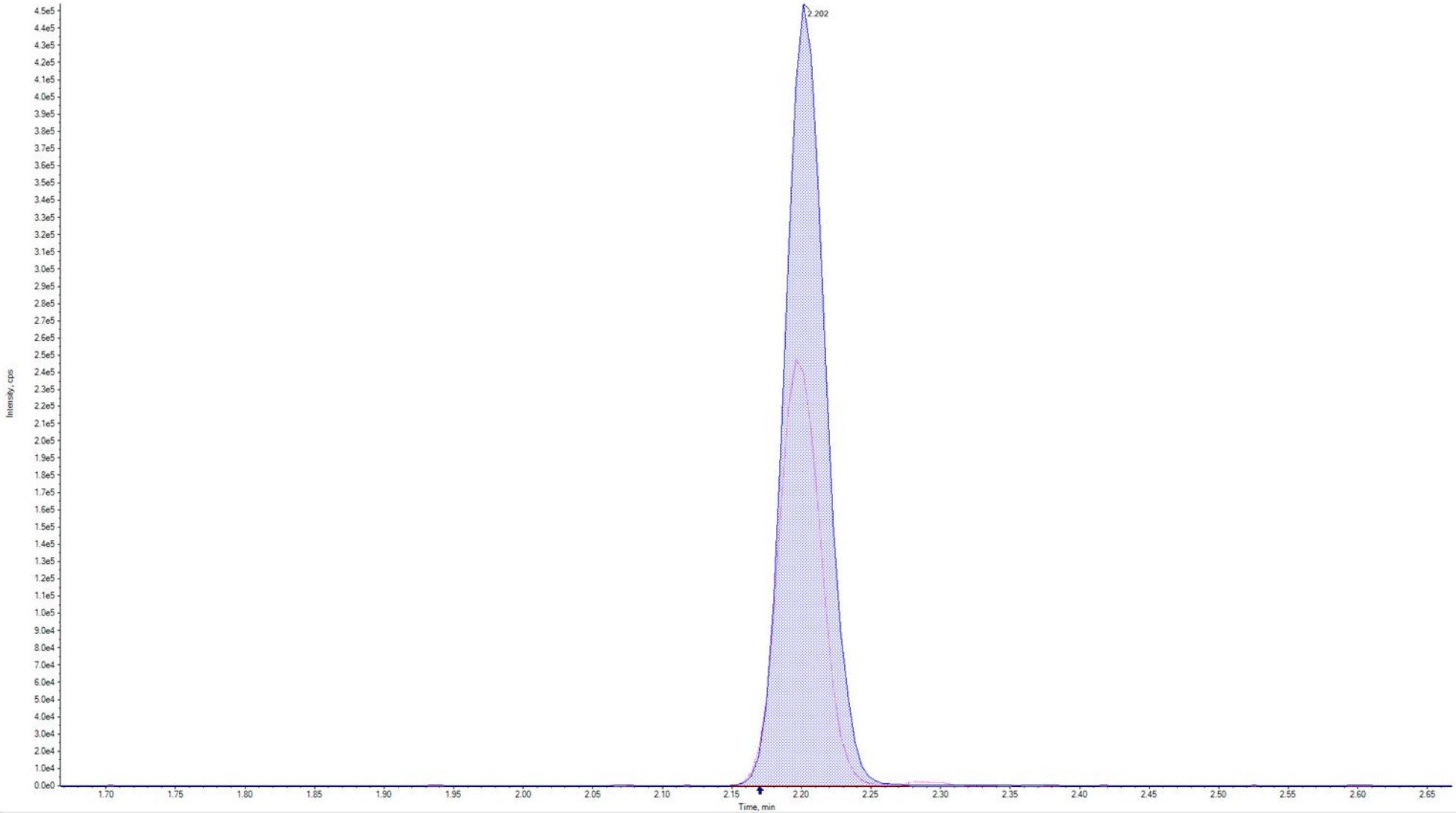
PFBS
Sample: WG2011094-15,1633FMED S/N:11378.5 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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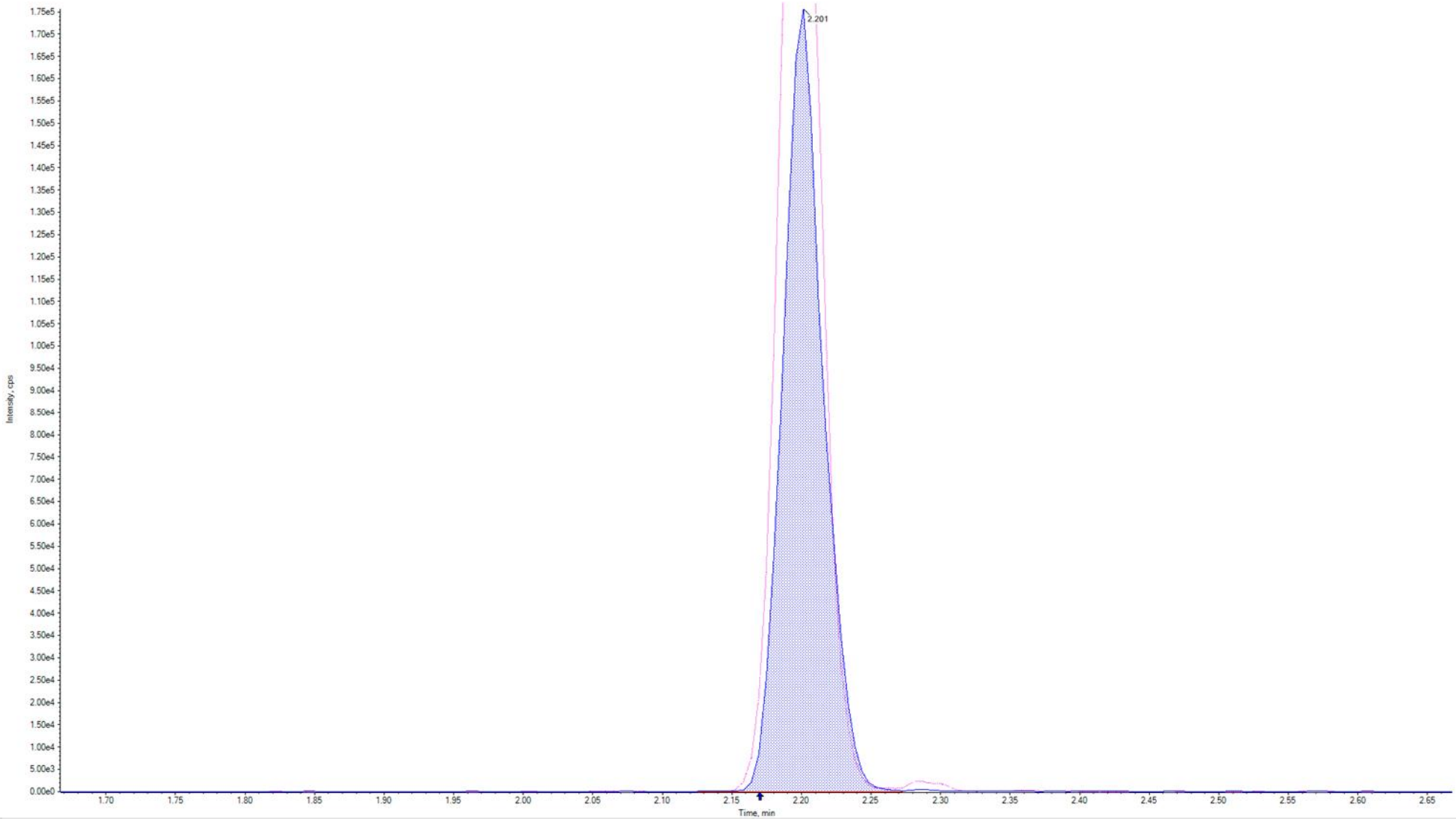
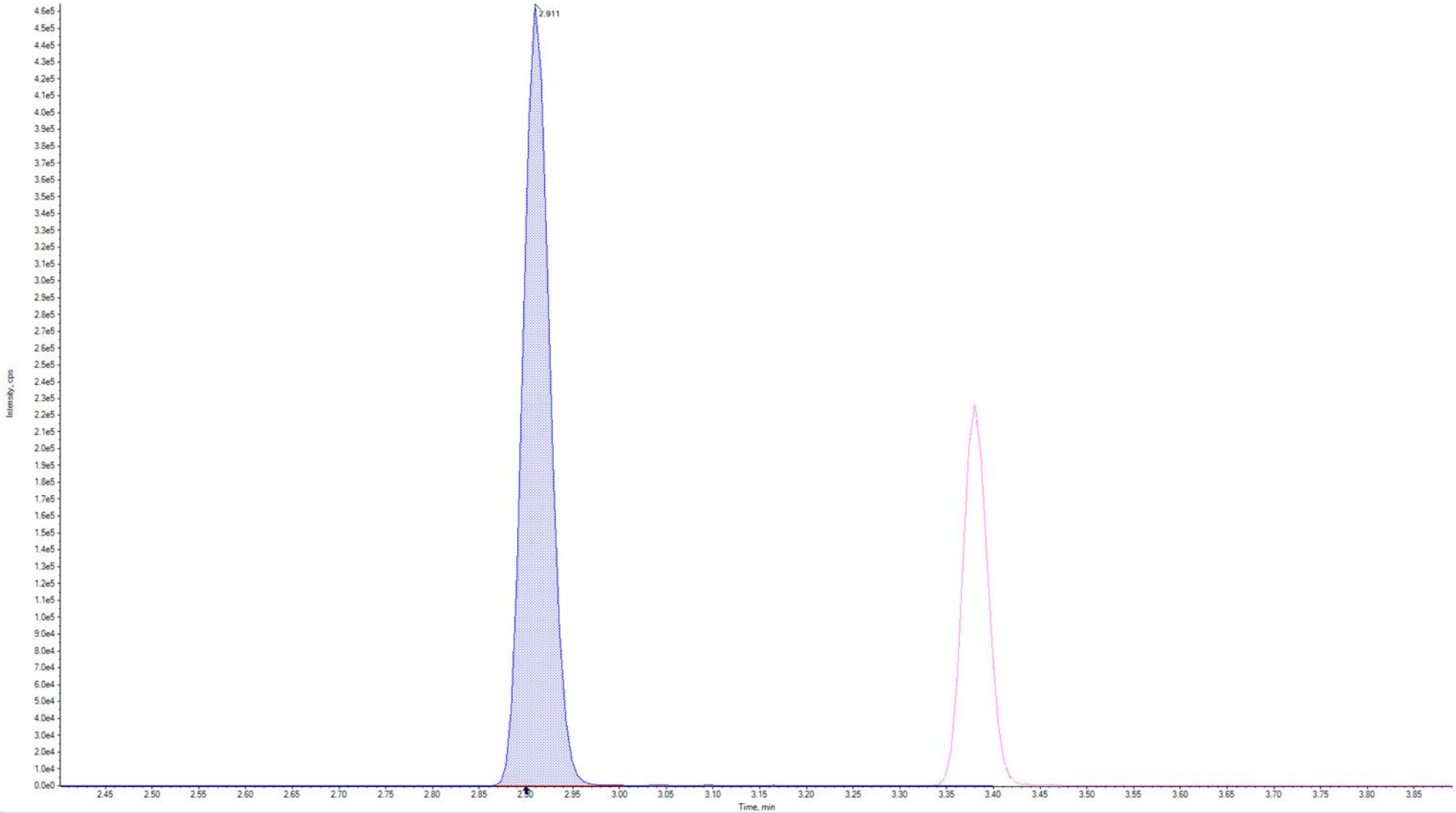
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

PFBS_2
Sample: WG2011094-15,1633FMED S/N:4400.9 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

PFPeS
Sample: WG2011094-15,1633FMED S/N:5357.6 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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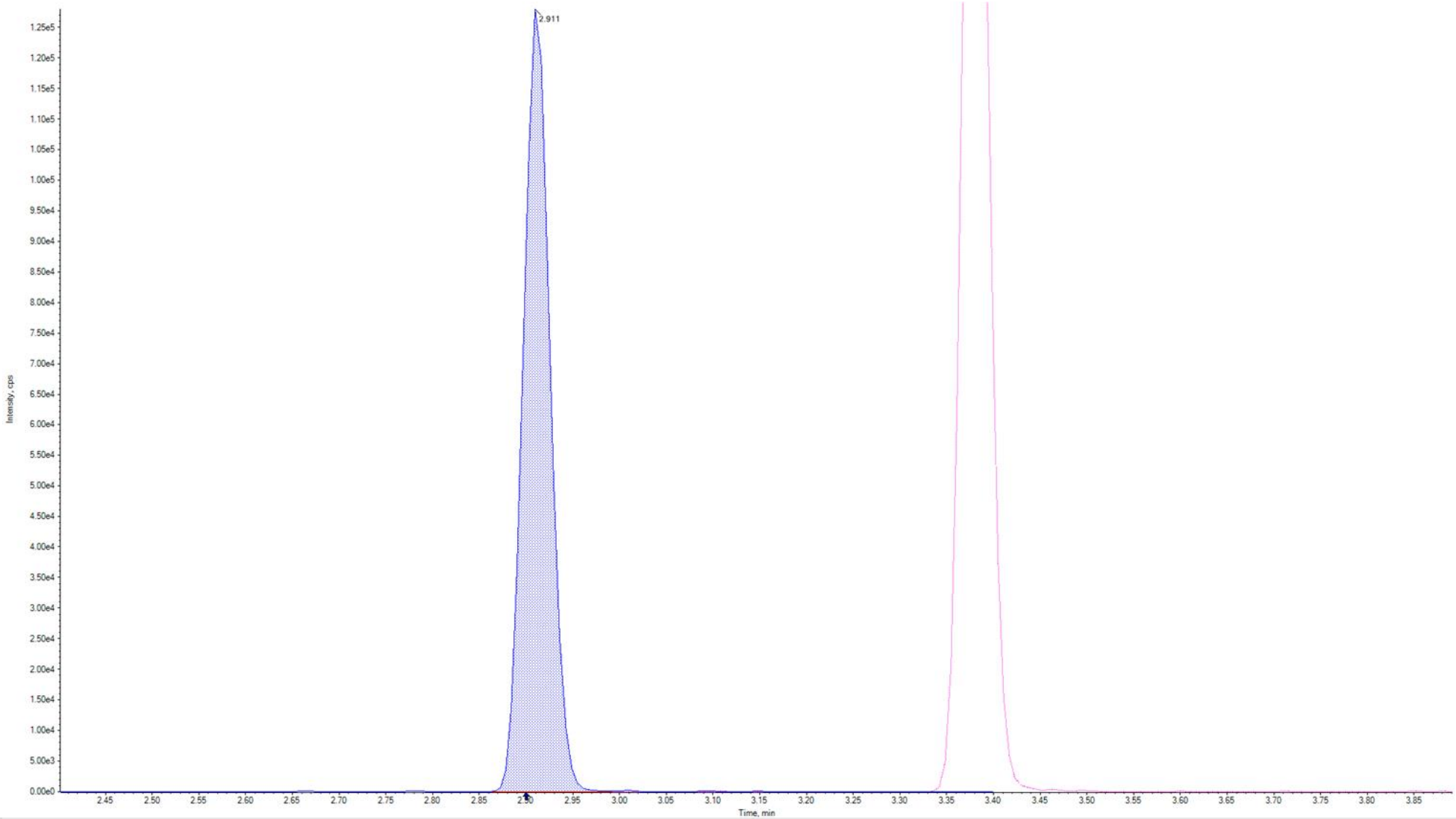
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

PFPeS_2
Sample: WG2011094-15,1633FMED S/N:2566.4 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 1:46:15 AM
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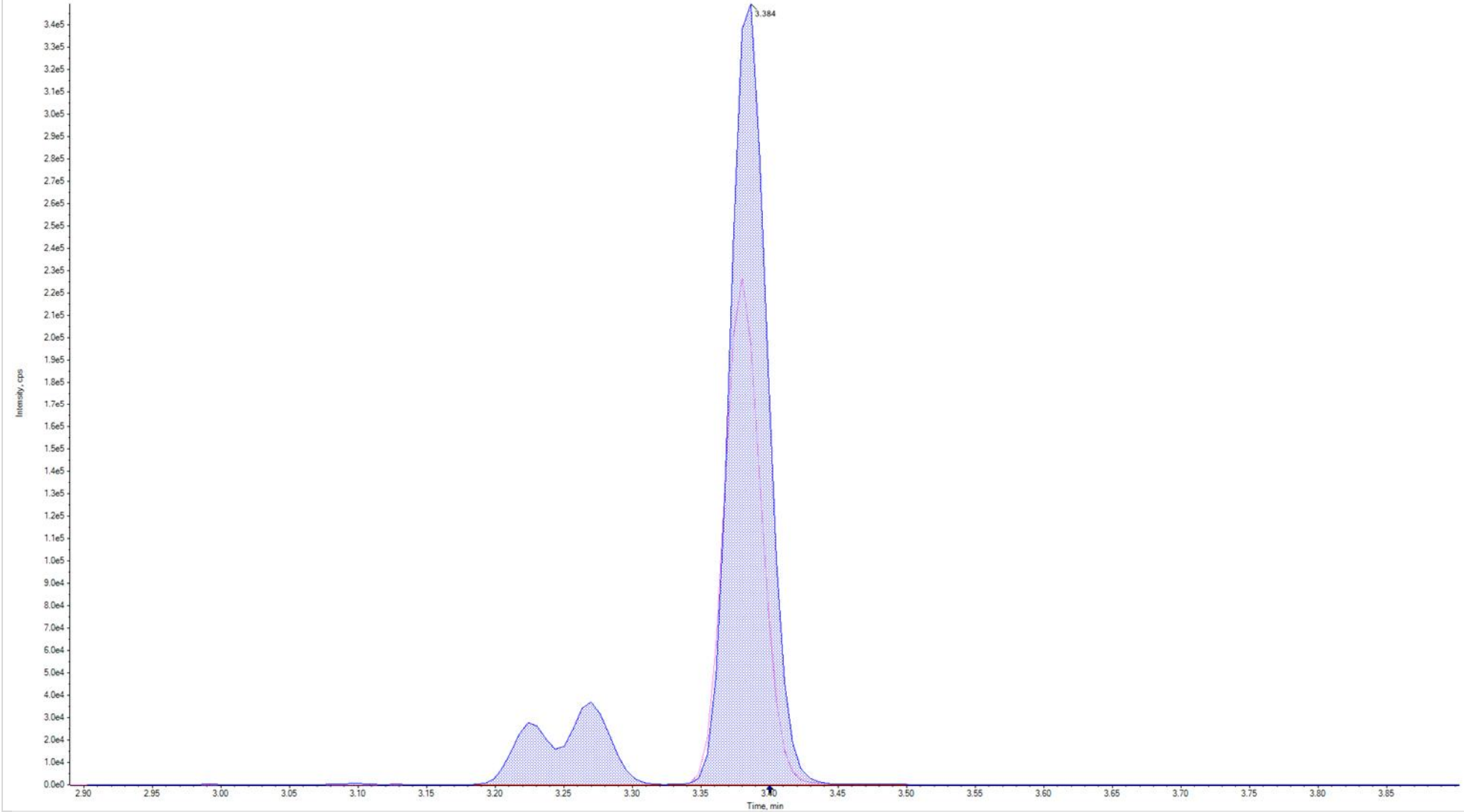
PFHxS
Sample: WG2011094-15,1633FMED S/N:1104.5 Points Across peak:59



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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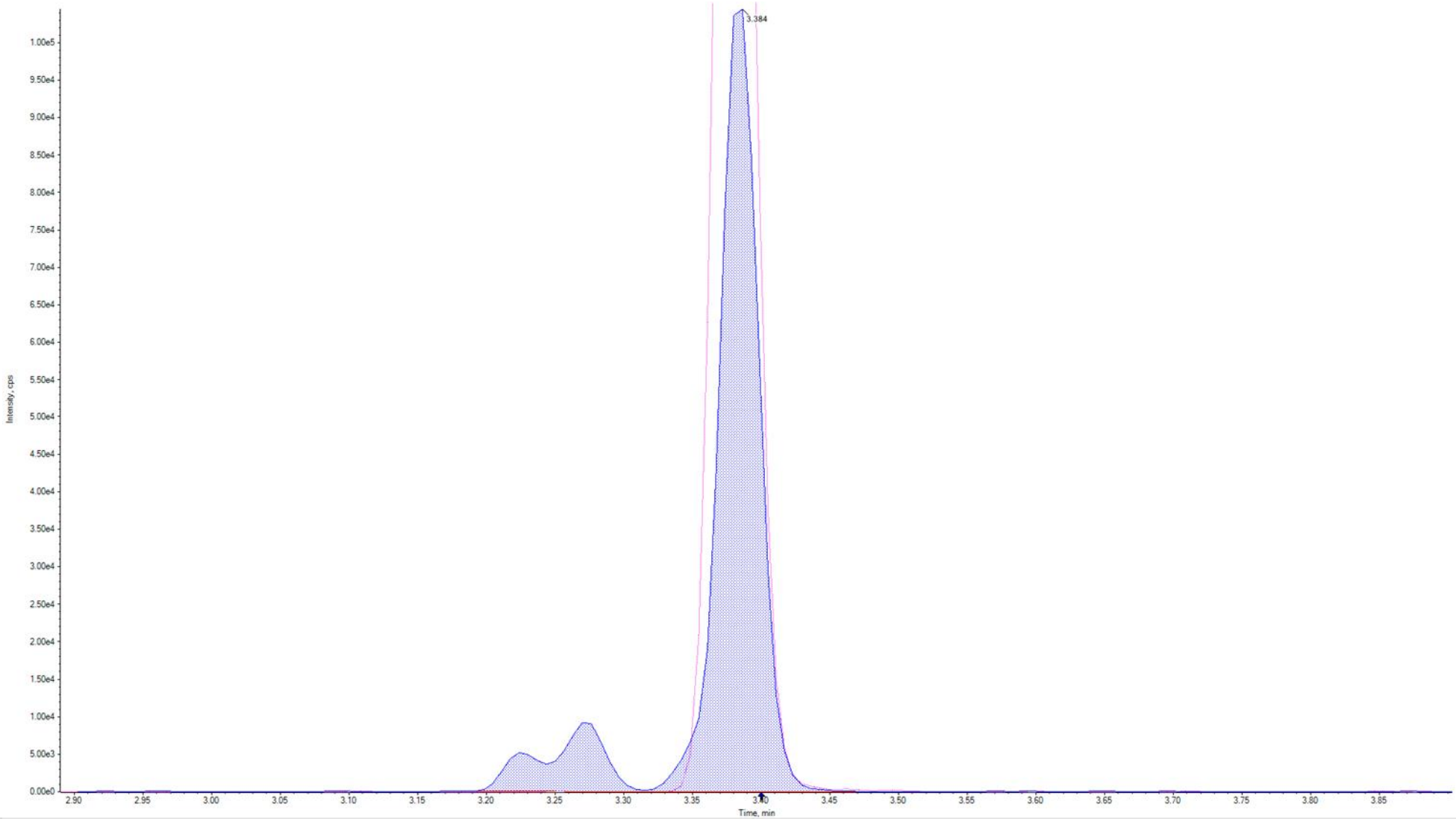
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

PFHxS_2
Sample: WG2011094-15,1633FMED S/N:1115.8 Points Across peak:47



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 1:46:15 AM
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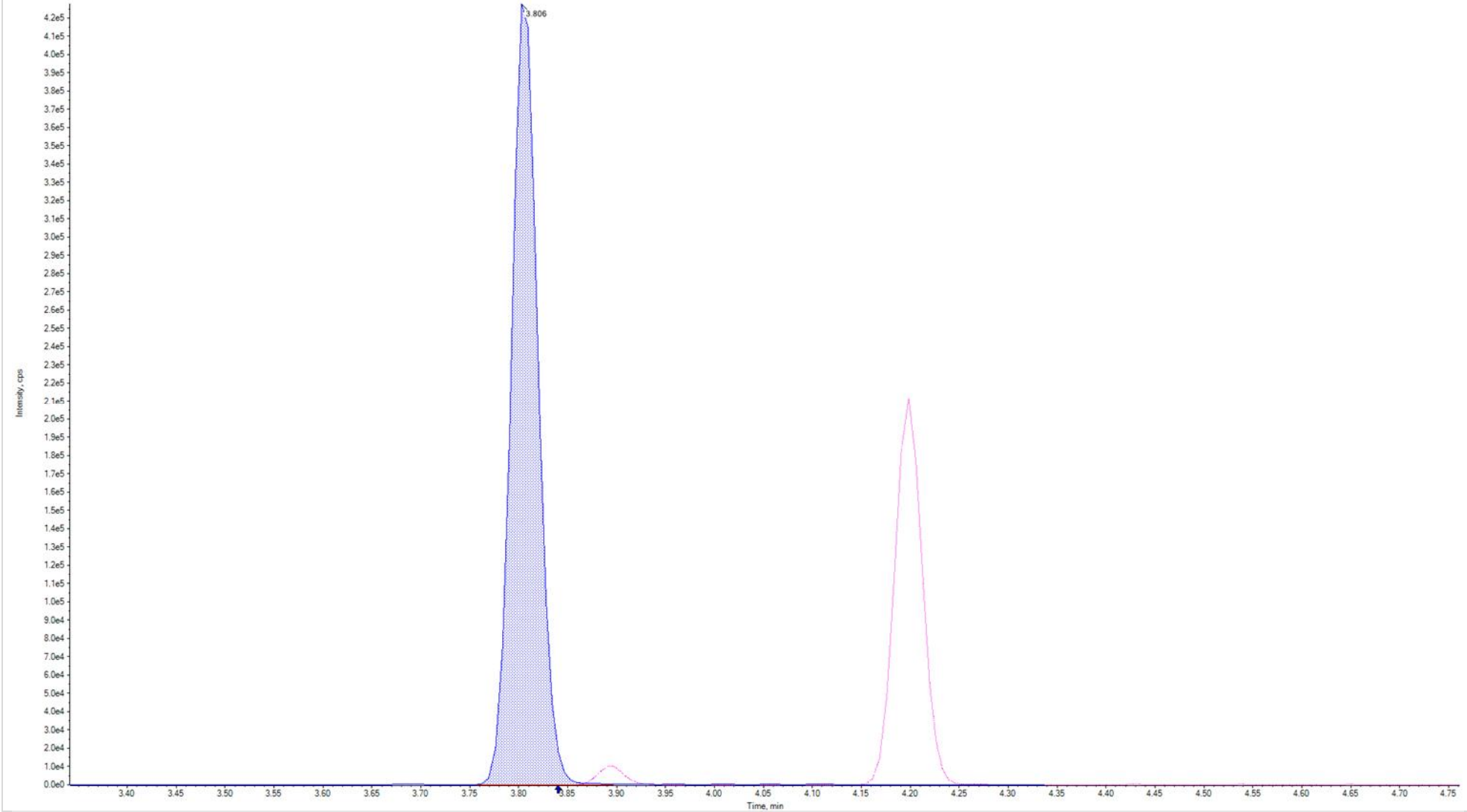
PFHpS
Sample: WG2011094-15,1633FMED S/N:8576.7 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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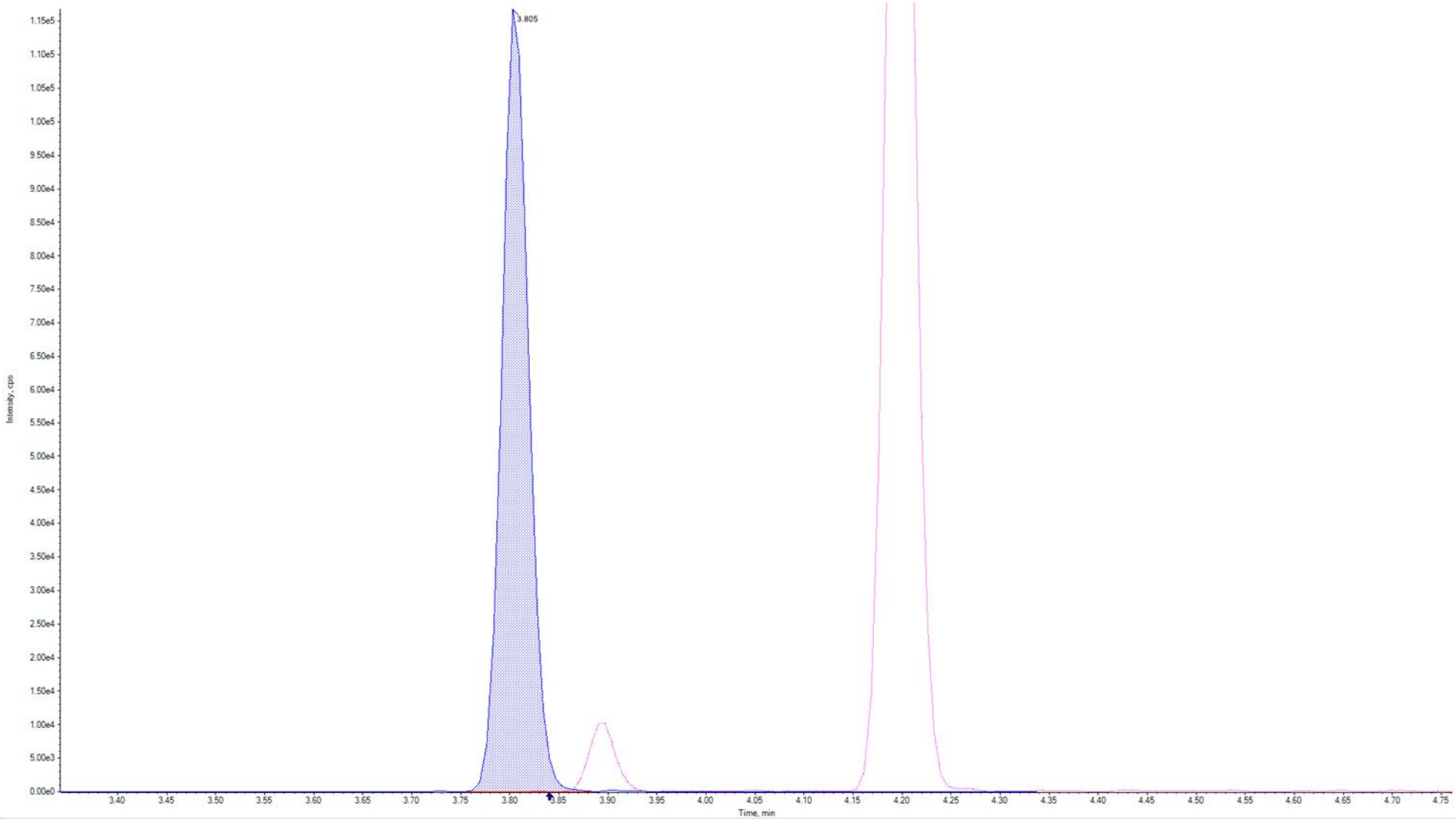
PFHpS_2
Sample: WG2011094-15,1633FMED S/N:2342.3 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 1:46:15 AM
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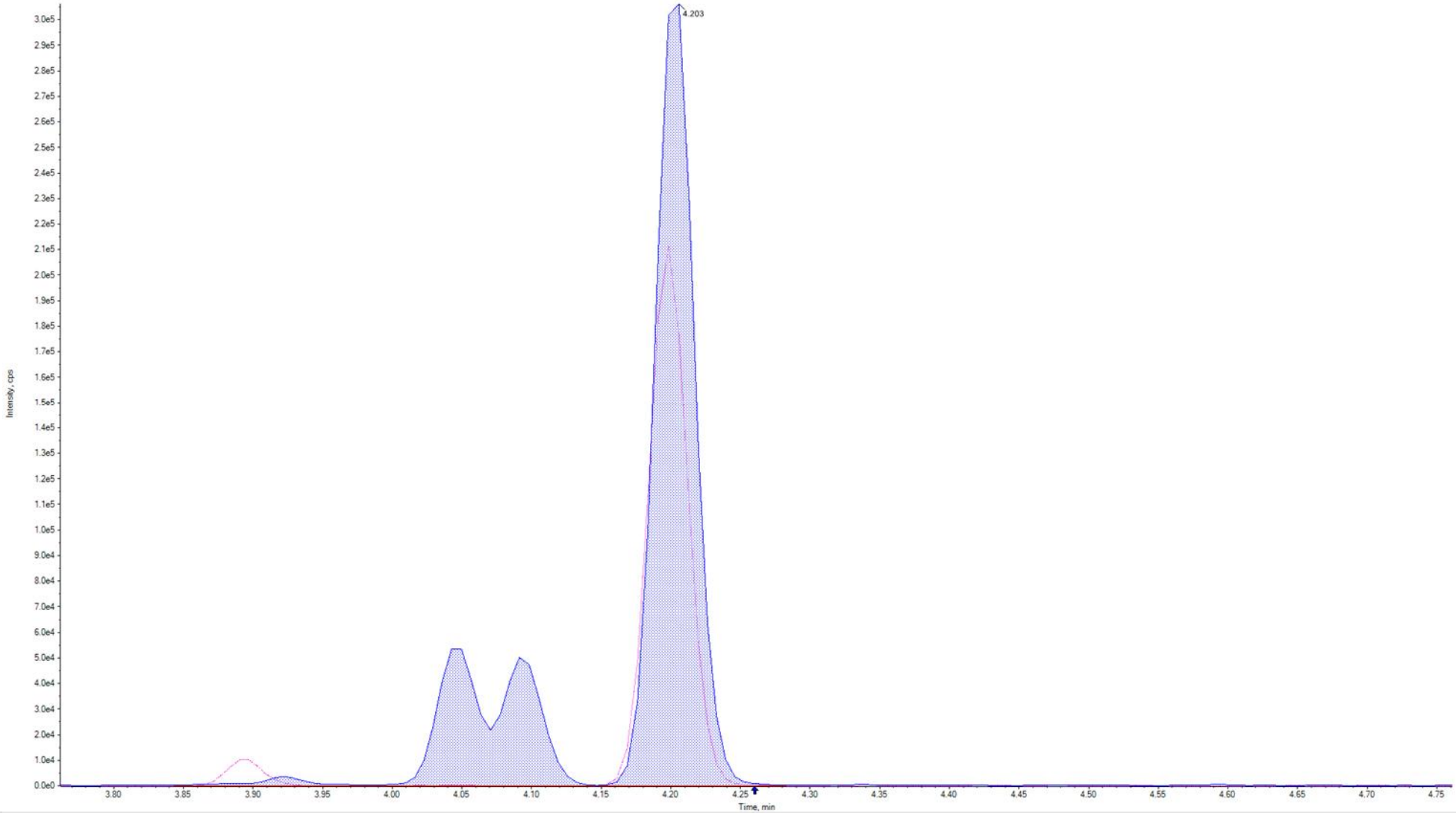
PFOS
Sample: WG2011094-15,1633FMED S/N:505.5 Points Across peak:69



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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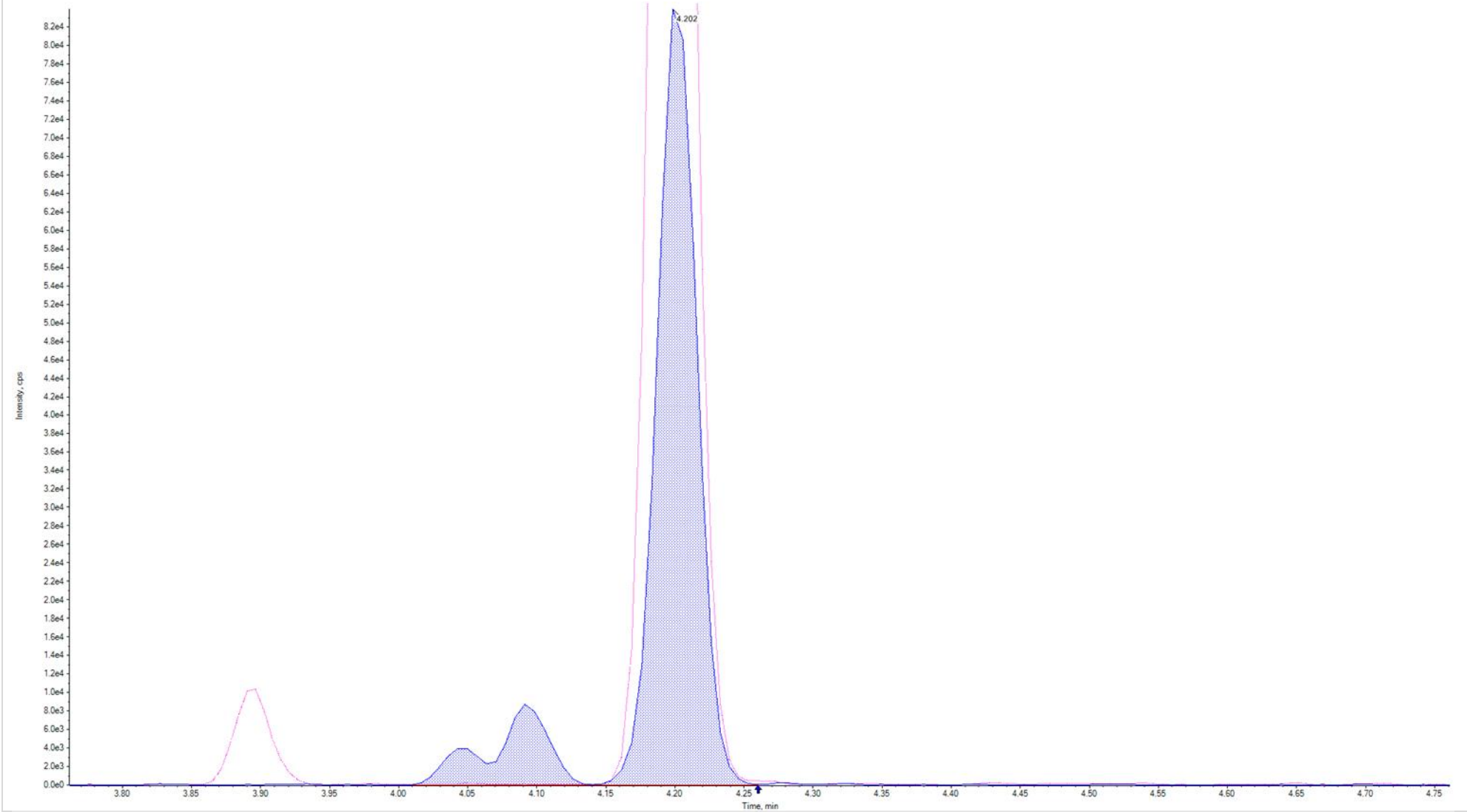
PFOS_2
Sample: WG2011094-15,1633FMED S/N:946.2 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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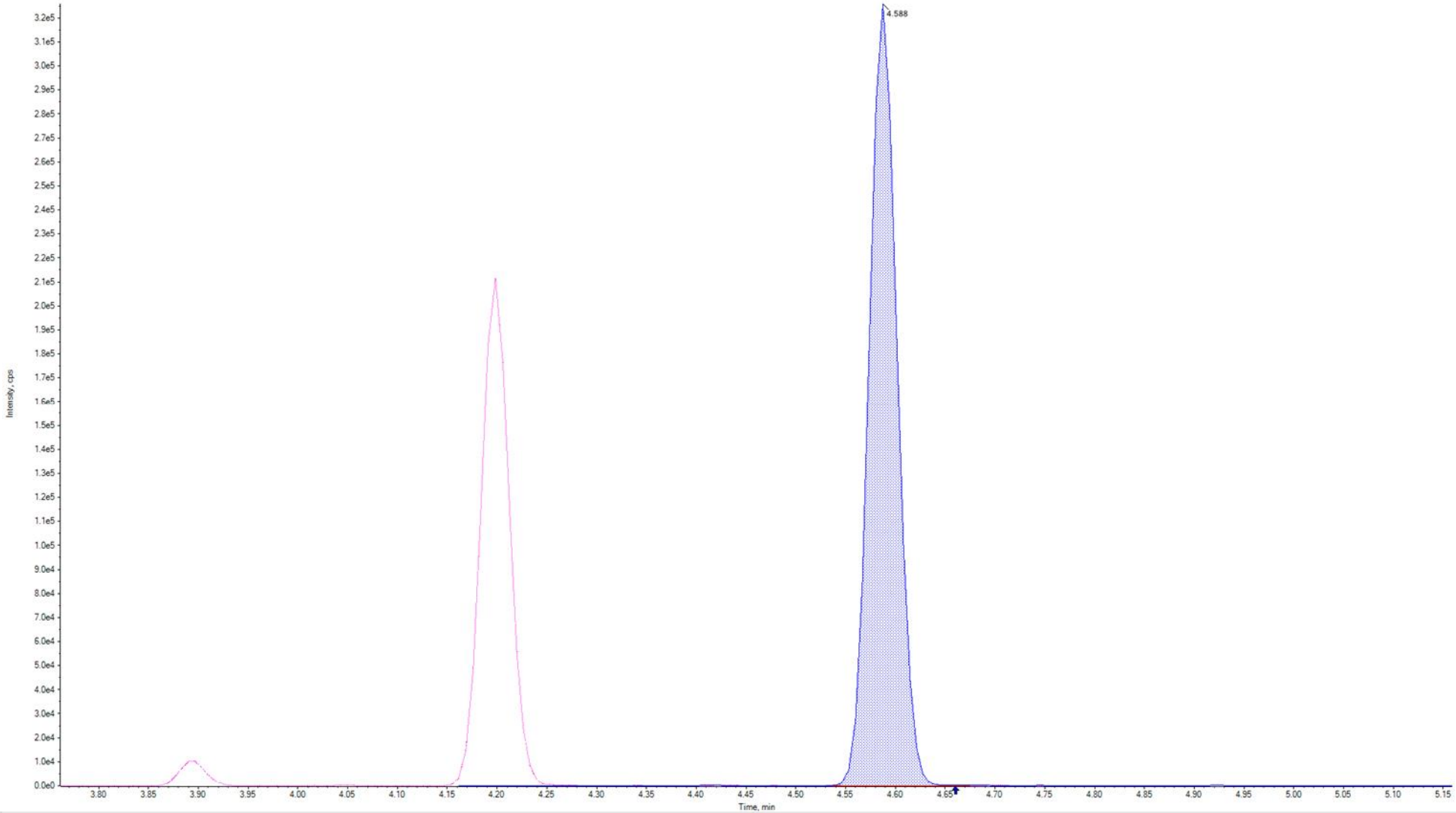
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

PFNS
Sample: WG2011094-15,1633FMED S/N:8166.0 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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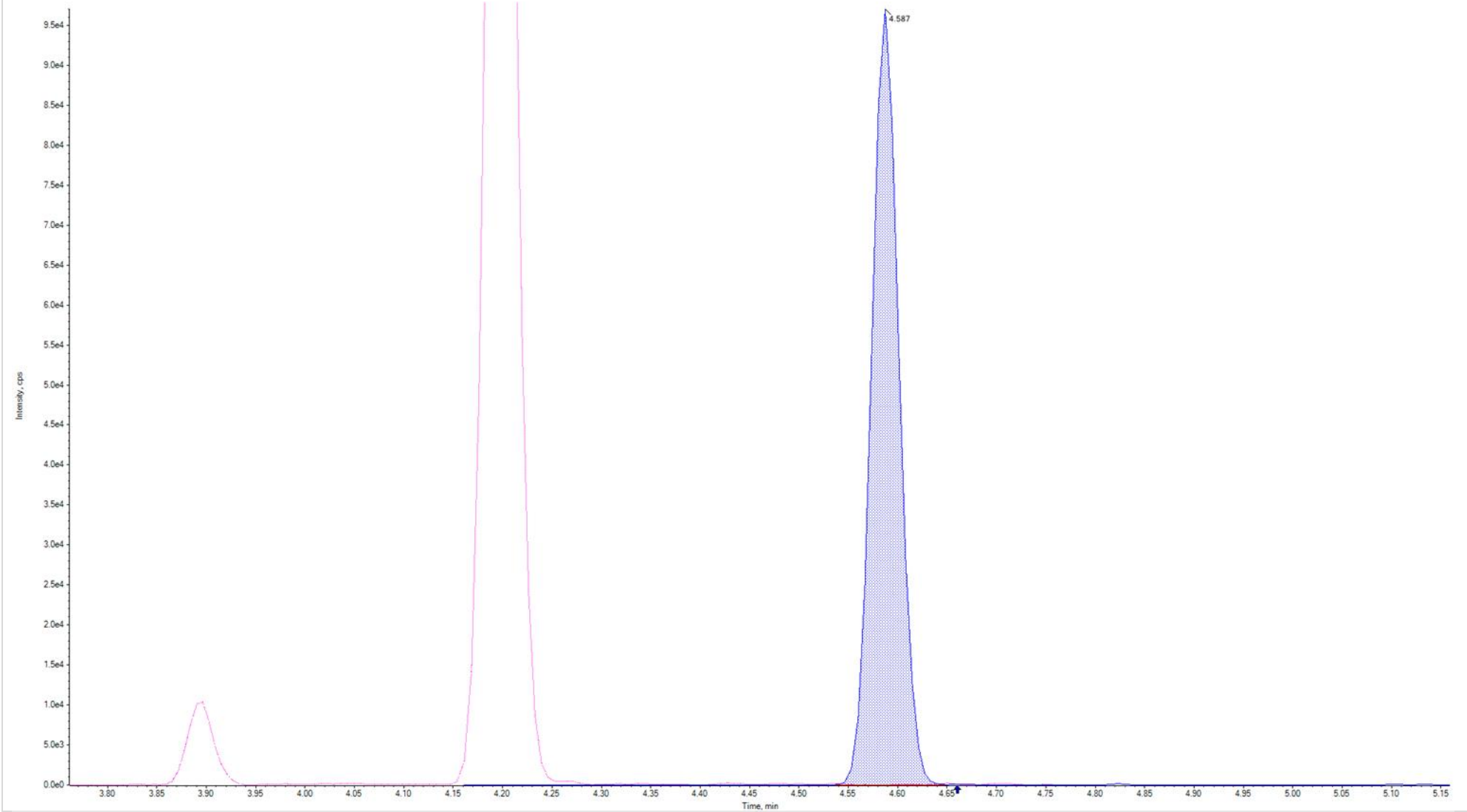
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

PFNS_2
Sample: WG2011094-15,1633FMED S/N:2432.5 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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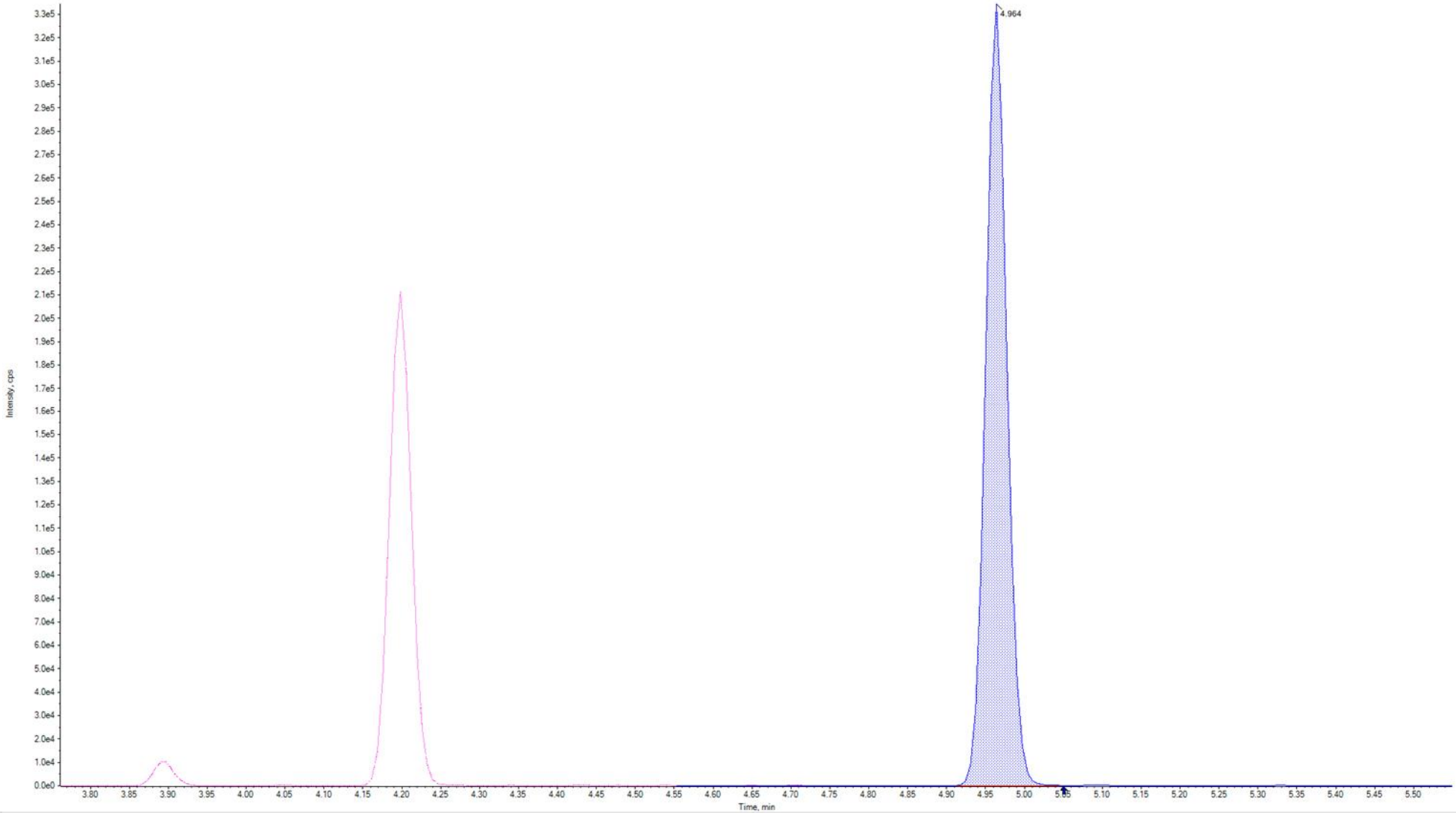
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

PFDS
Sample: WG2011094-15,1633FMED S/N:11736.4 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 1:46:15 AM
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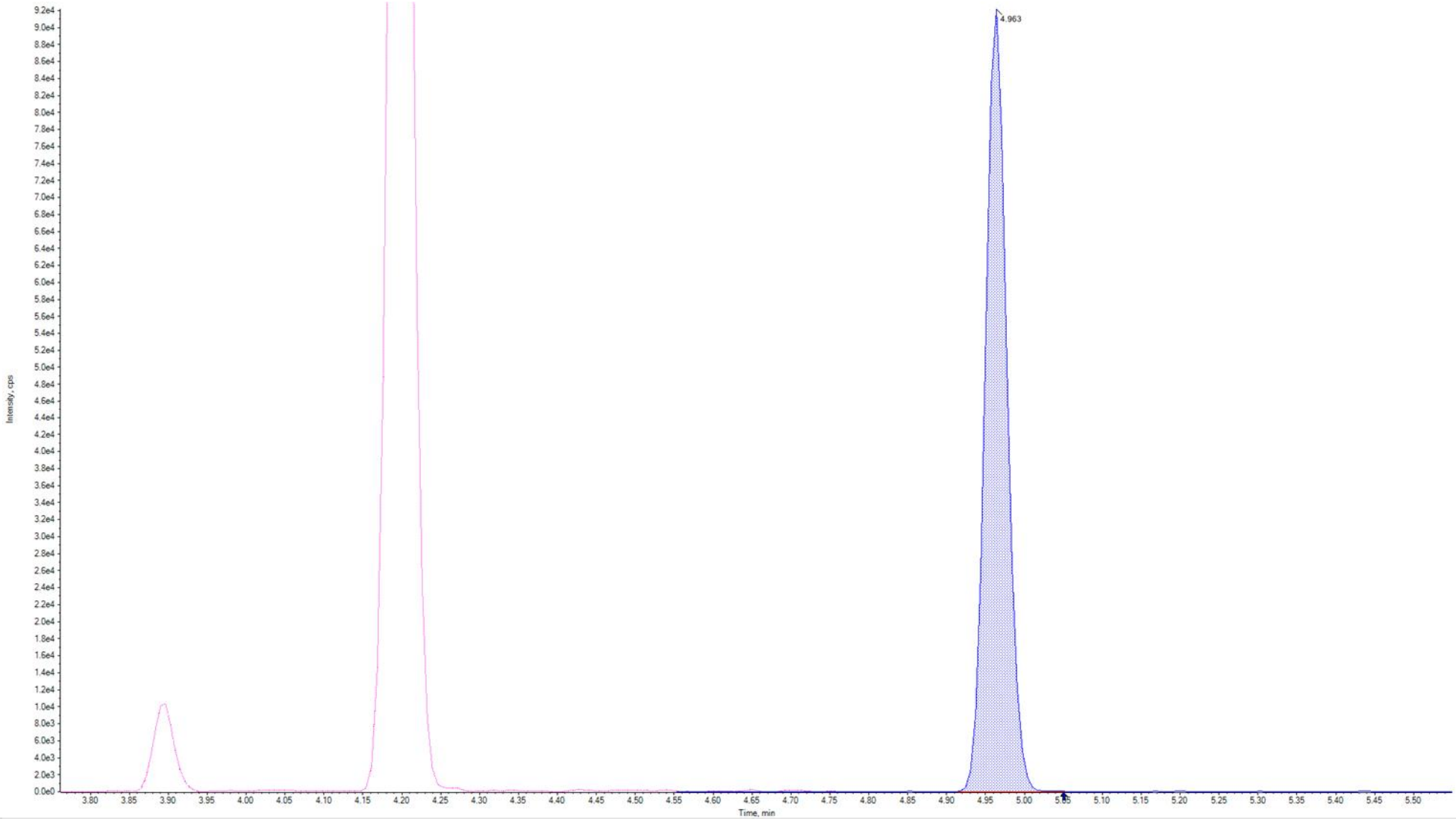
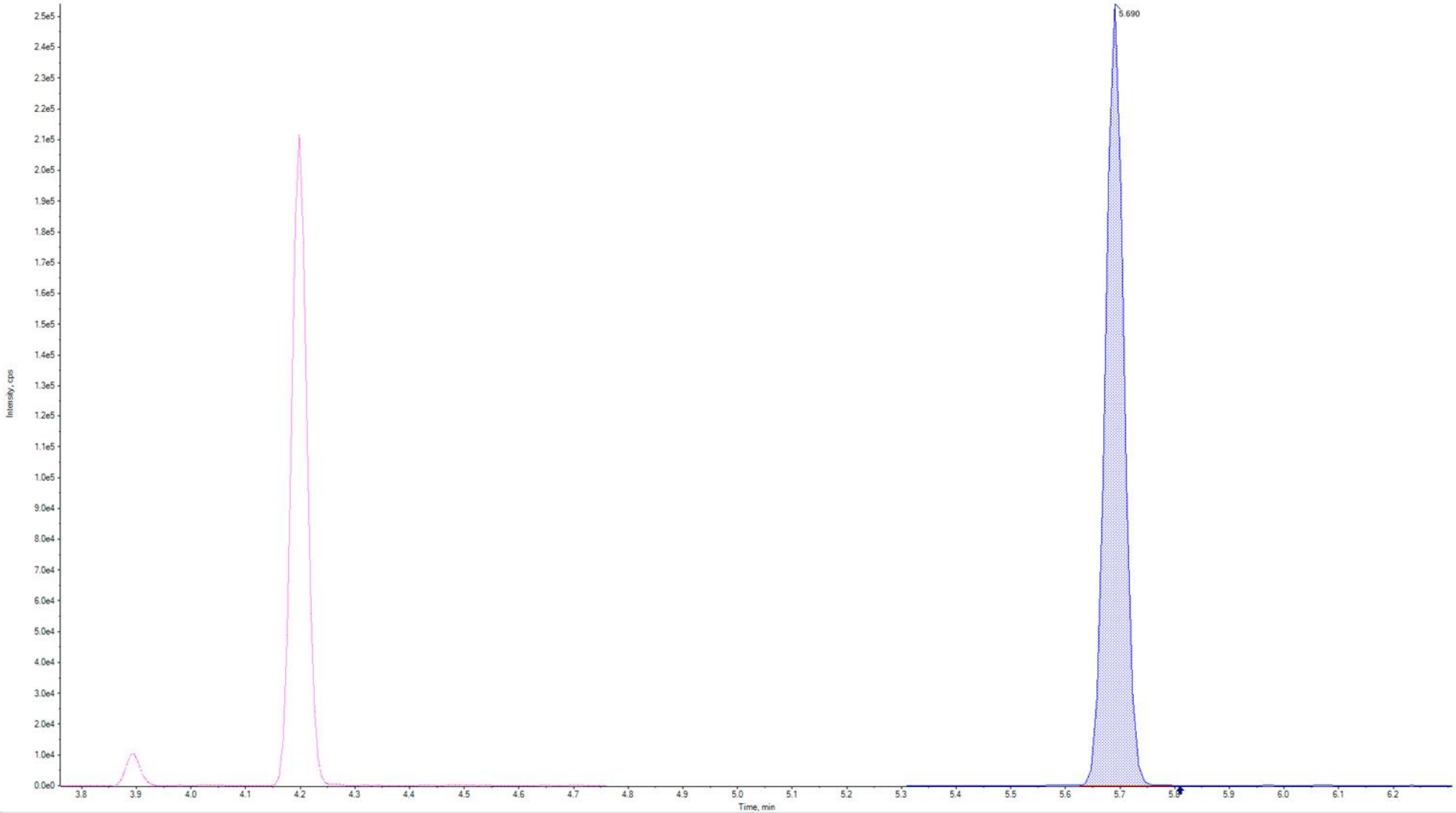
PFDS_2
Sample: WG2011094-15,1633FMED S/N:3234.4 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

PFDoS
Sample: WG2011094-15,1633FMED S/N:5025.0 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

PFDoS_2
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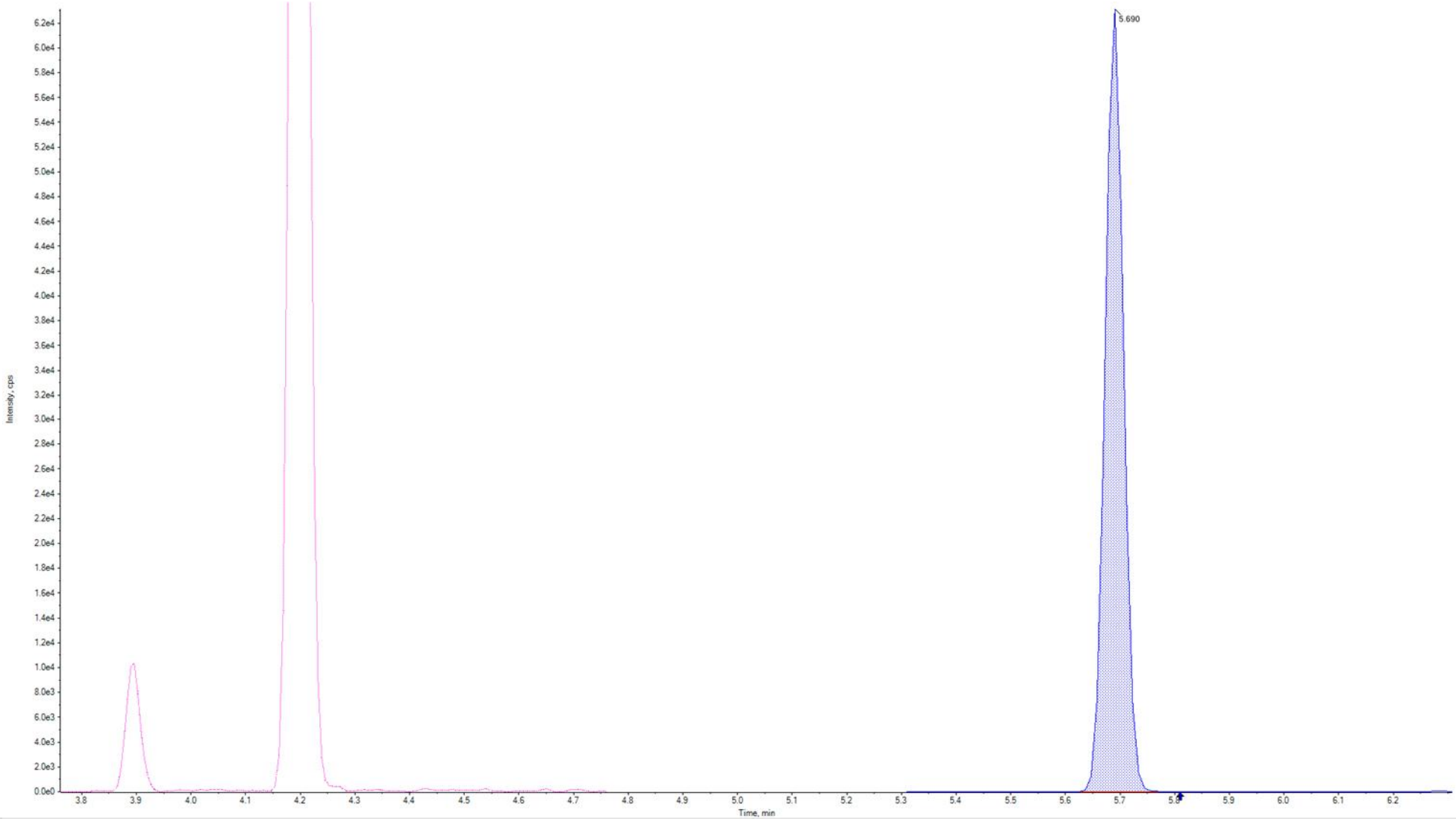

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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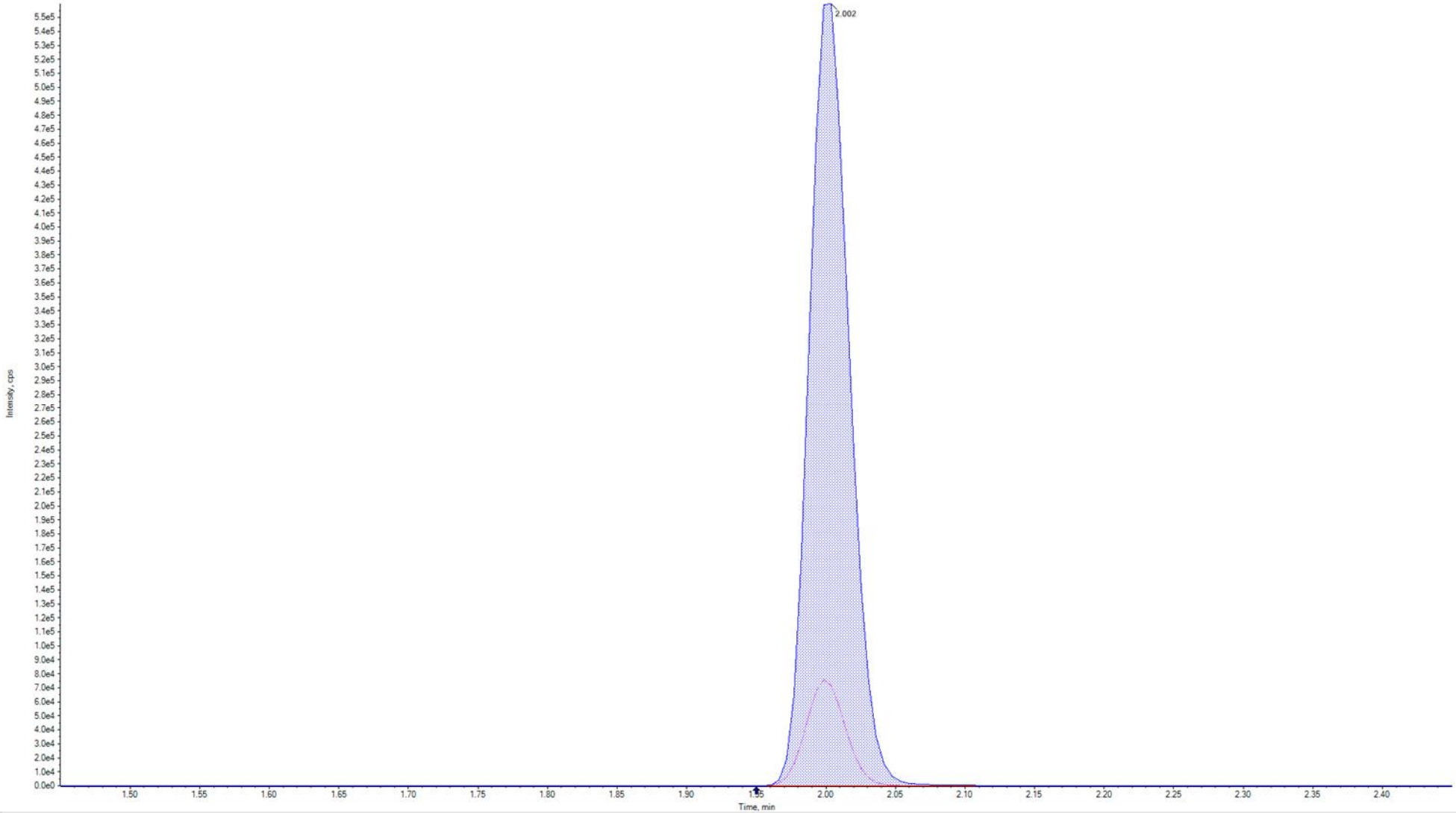
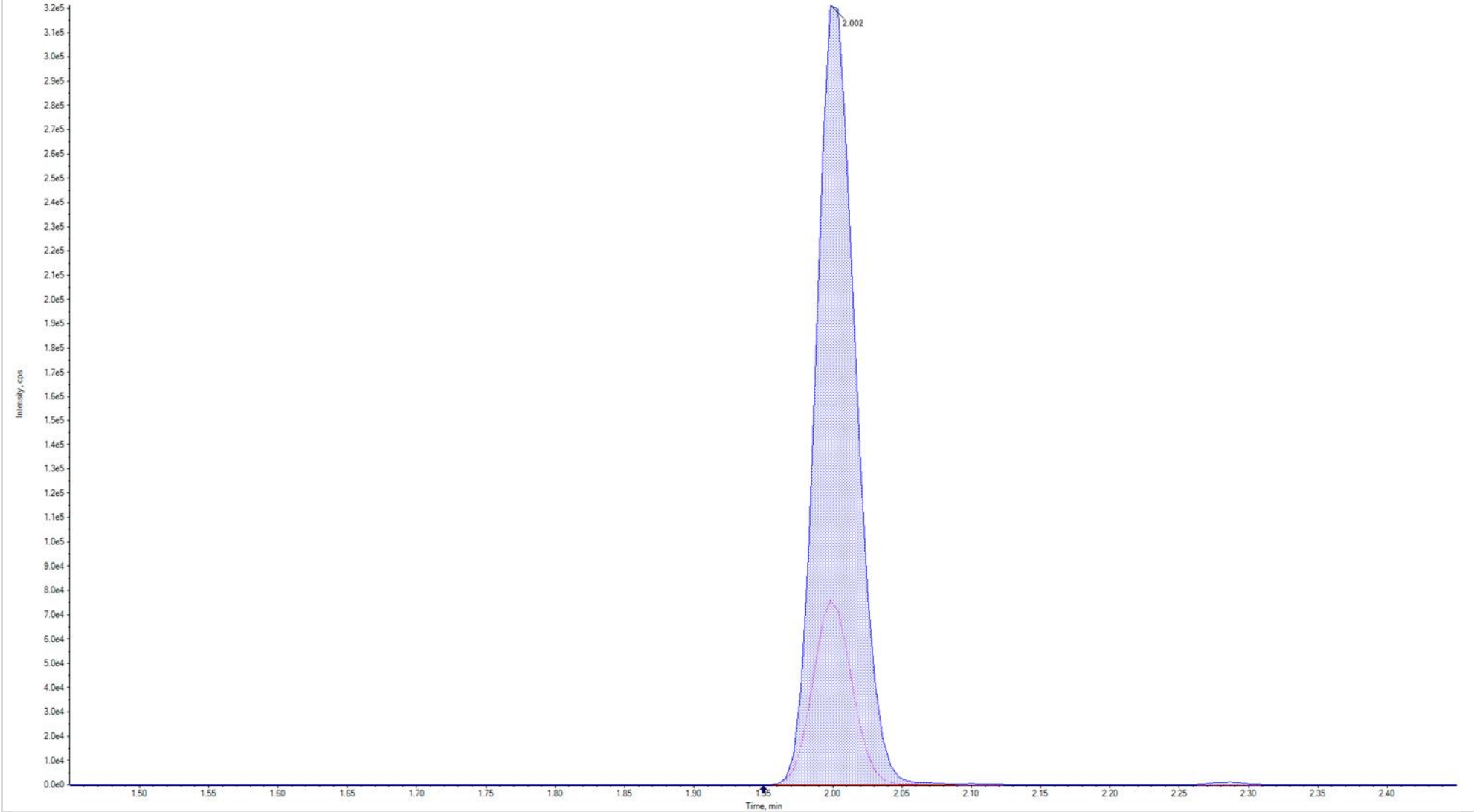
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

4:2FTS
Sample: WG2011094-15,1633FMED S/N:21043.4 Points Across peak:34



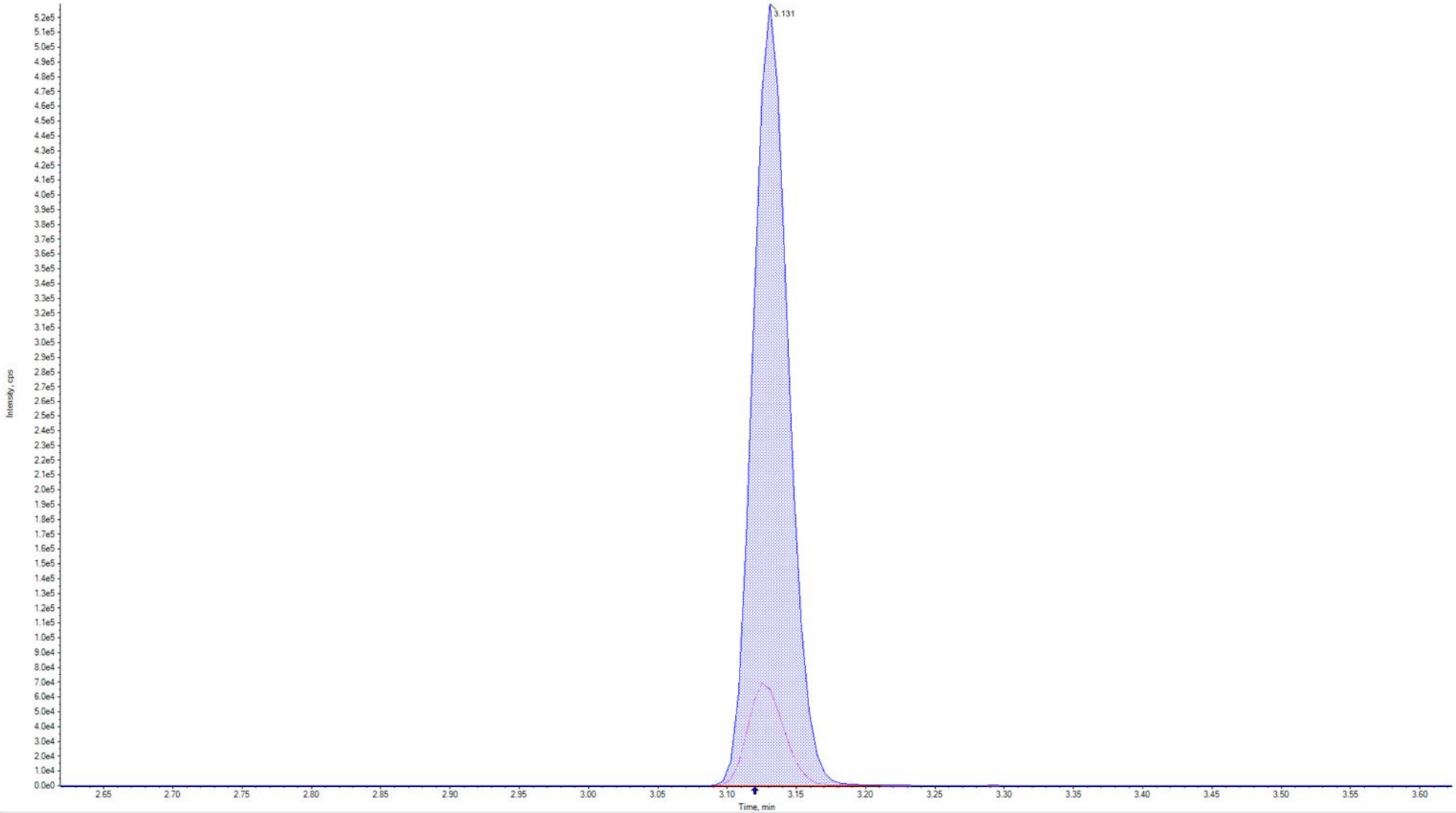
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

4:2FTS_2
Sample: WG2011094-15,1633FMED S/N:6974.8 Points Across peak:27



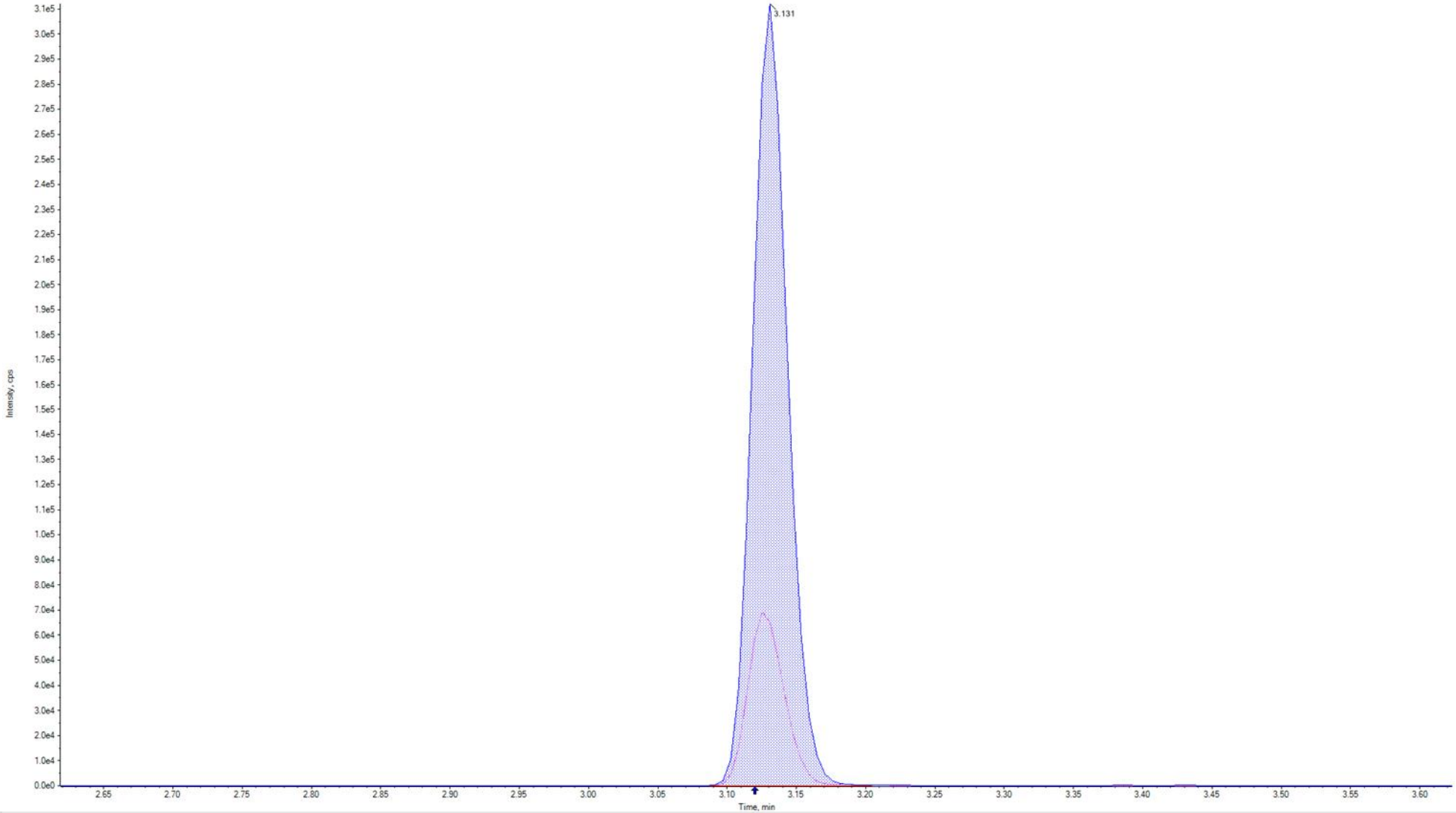
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

6:2FTS
Sample: WG2011094-15,1633FMED S/N:5532.3 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

6:2FTS_2
Sample: WG2011094-15,1633FMED S/N:4653.6 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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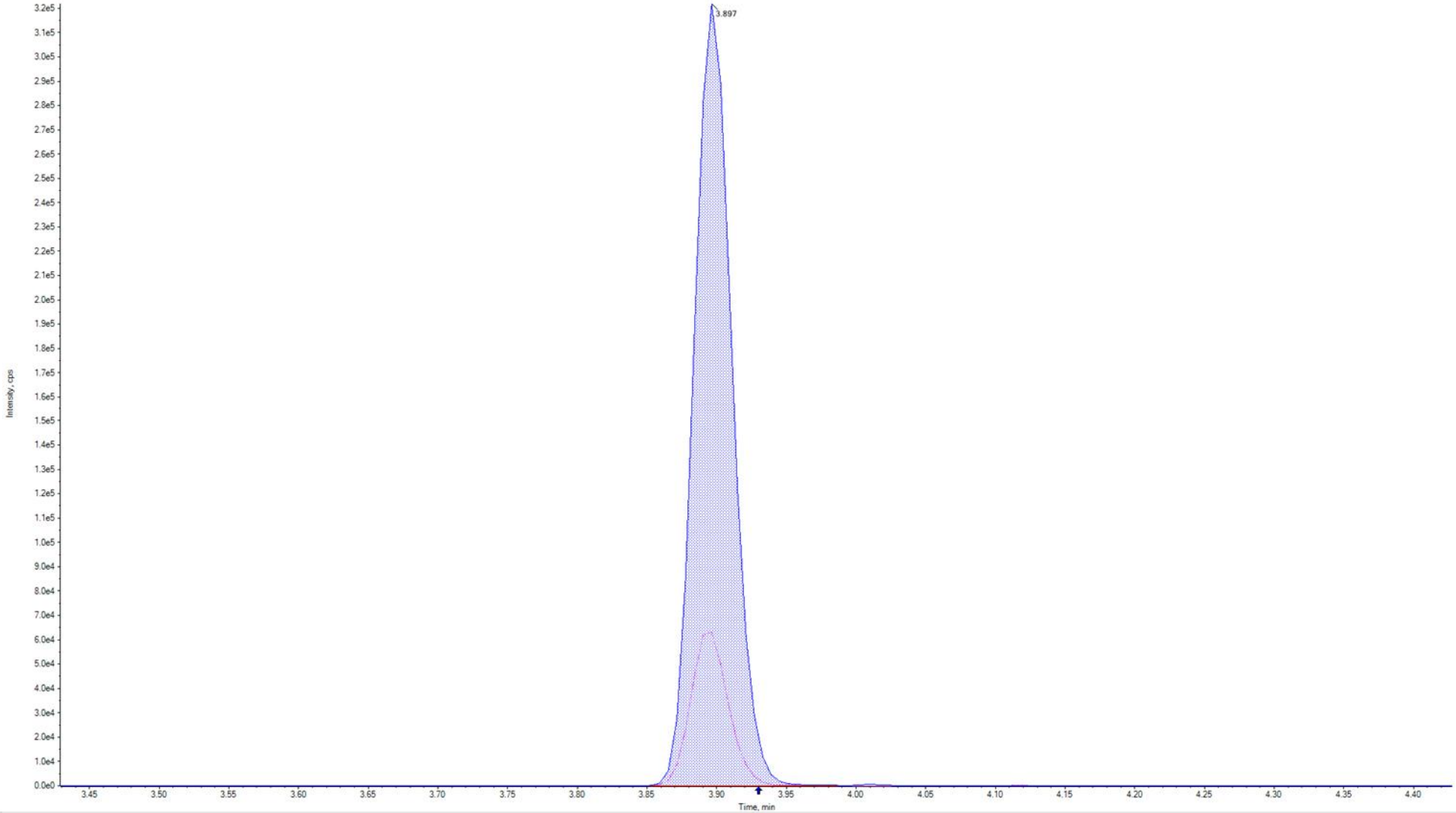
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

8:2FTS
Sample: WG2011094-15,1633FMED S/N:6452.7 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 1:46:15 AM
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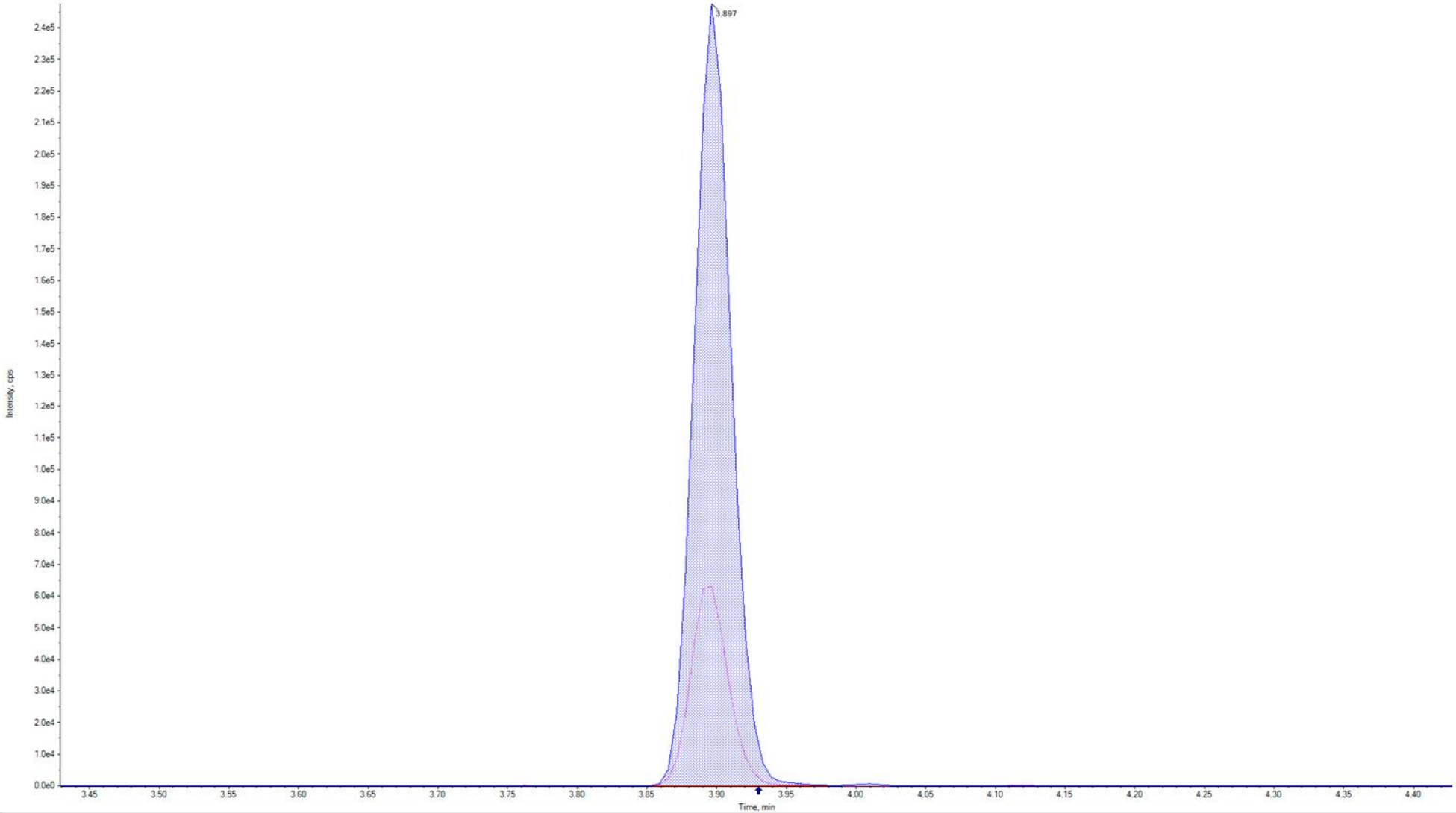
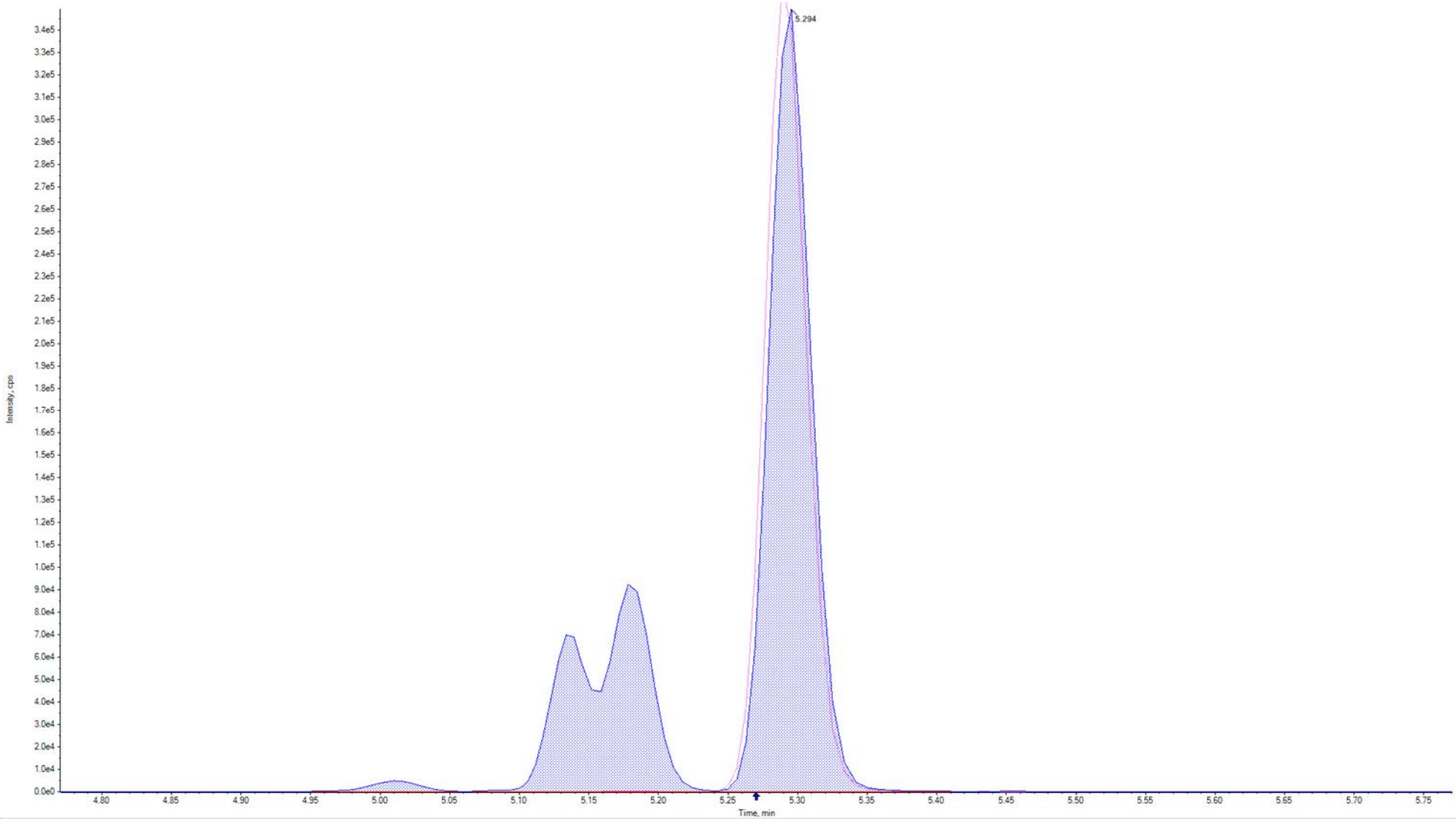
8:2FTS_2
Sample: WG2011094-15,1633FMED S/N:4964.2 Points Across peak:26



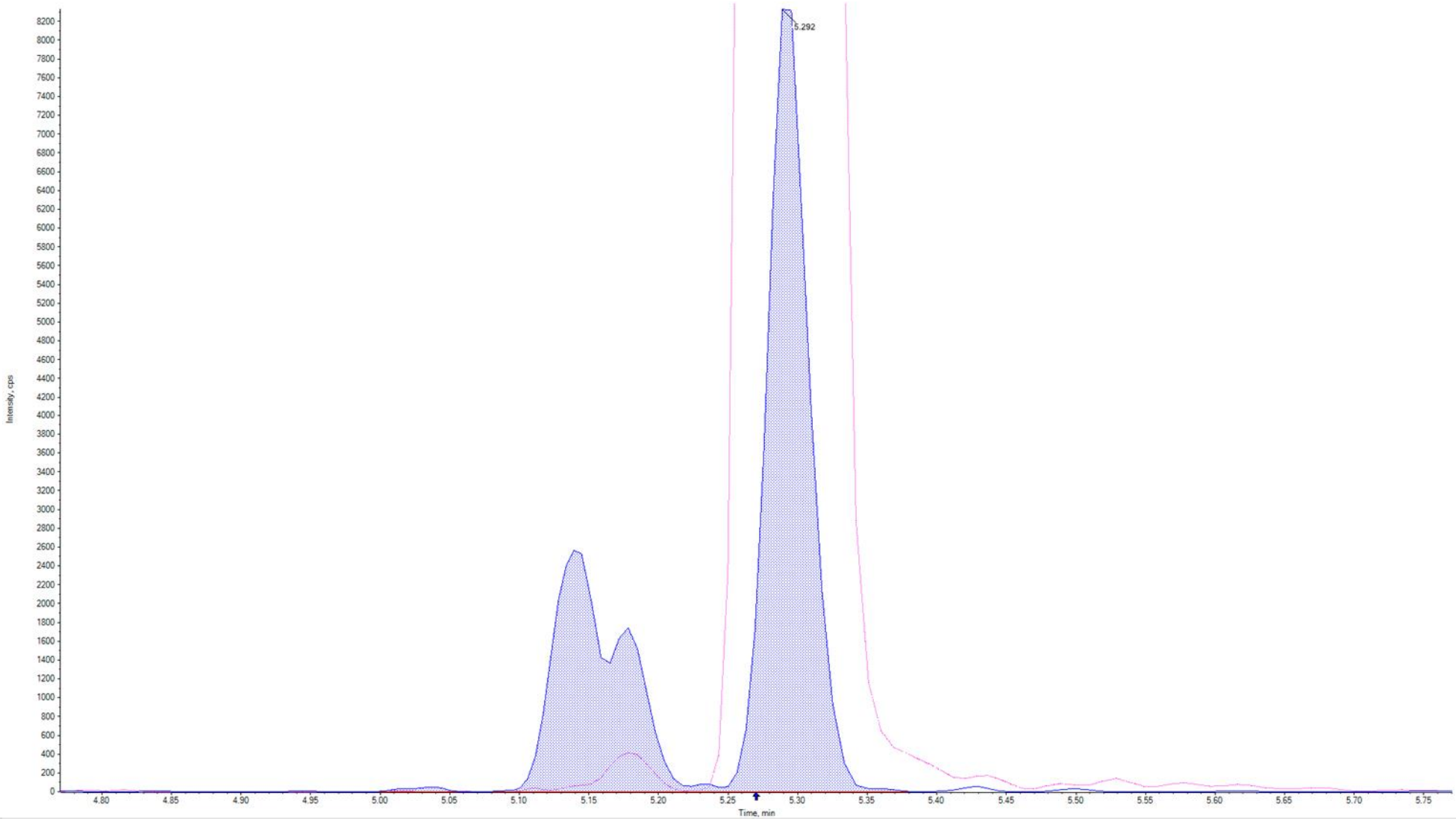
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

PFOSA
Sample: WG2011094-15,1633FMED S/N:285.0 Points Across peak:75



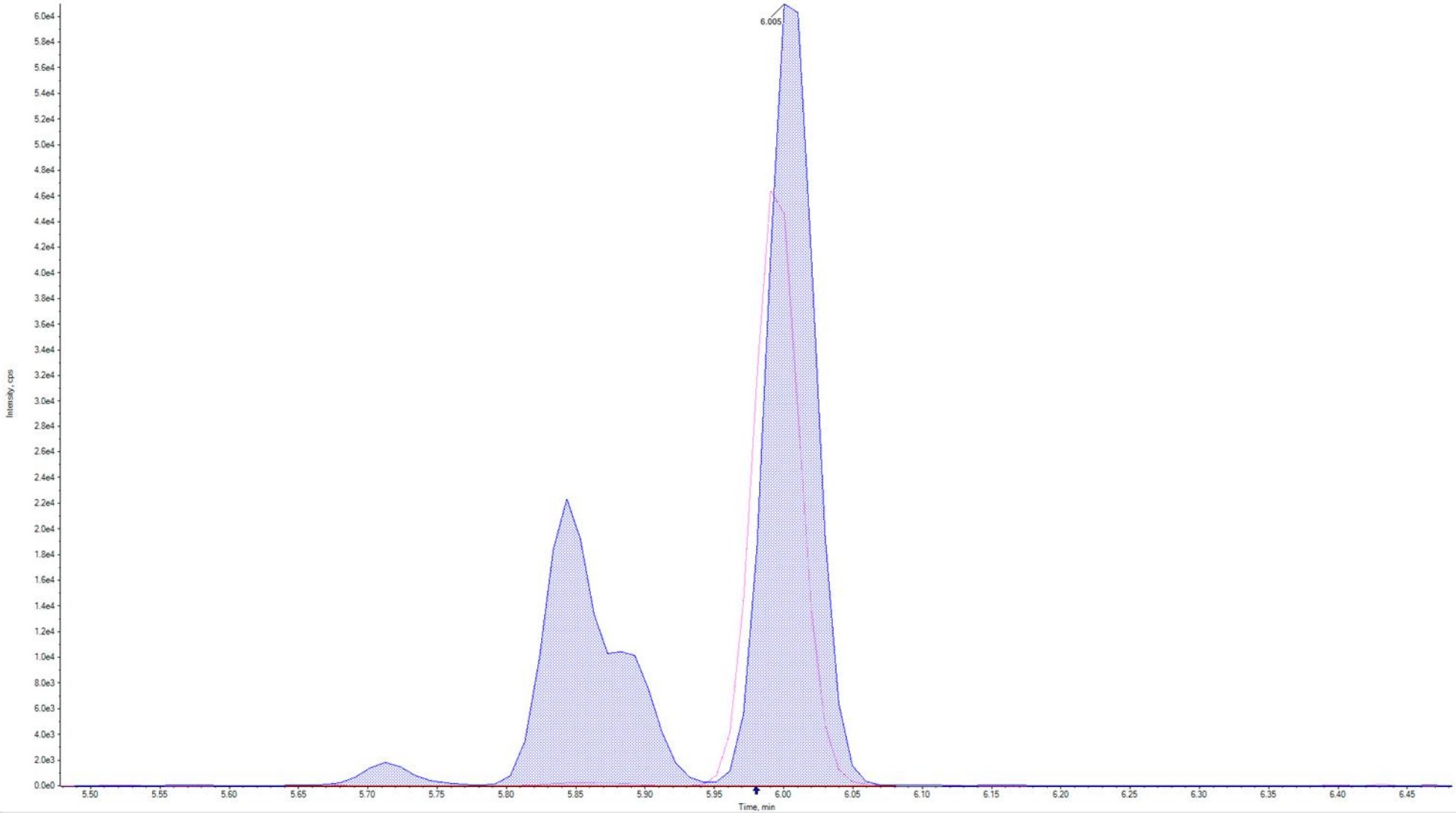
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

PFOSA_2
Sample: WG2011094-15,1633FMED S/N:293.9 Points Across peak:65

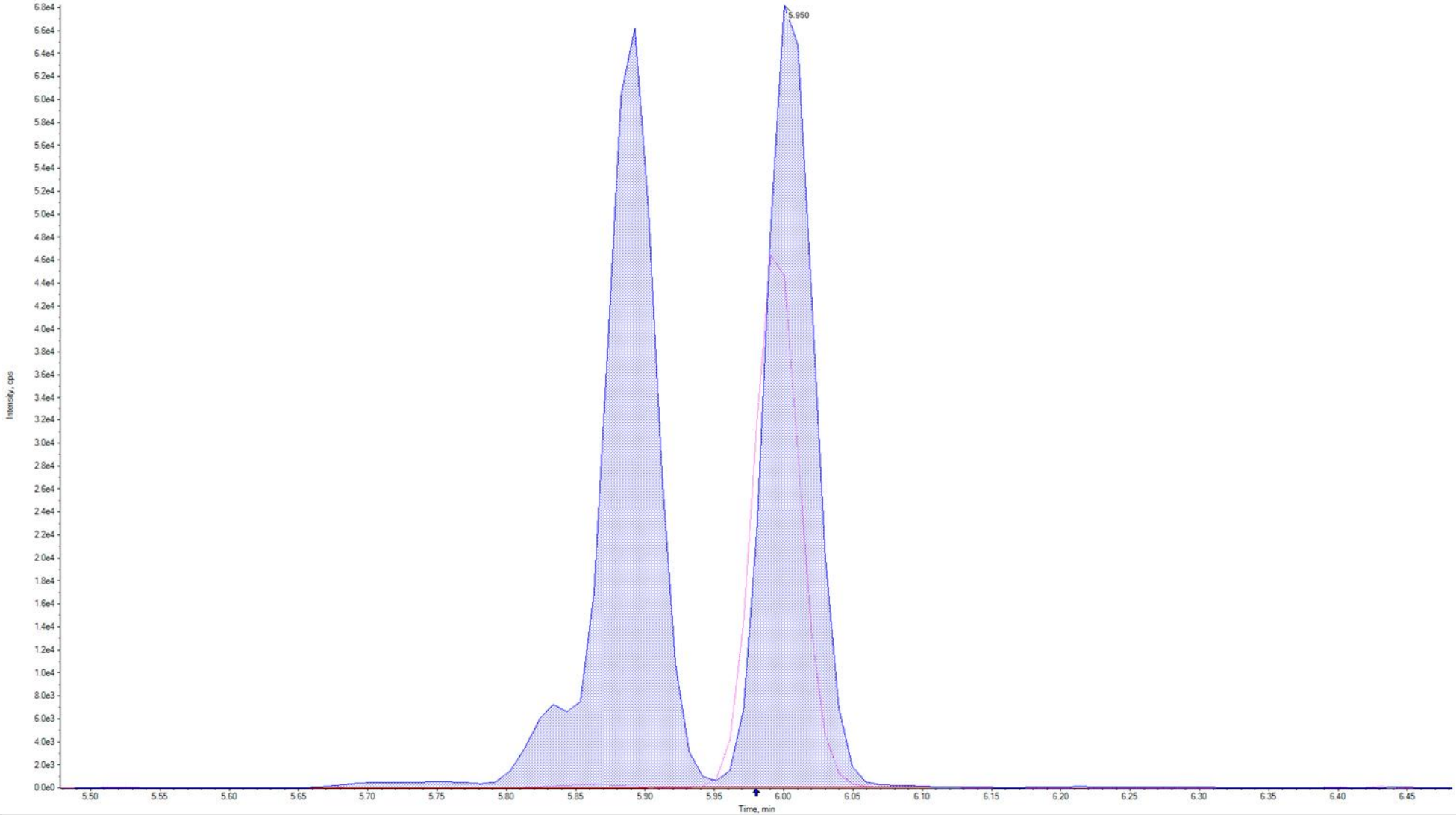


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

NMeFOSA
Sample: WG2011094-15,1633FMED S/N:266.3 Points Across peak:48

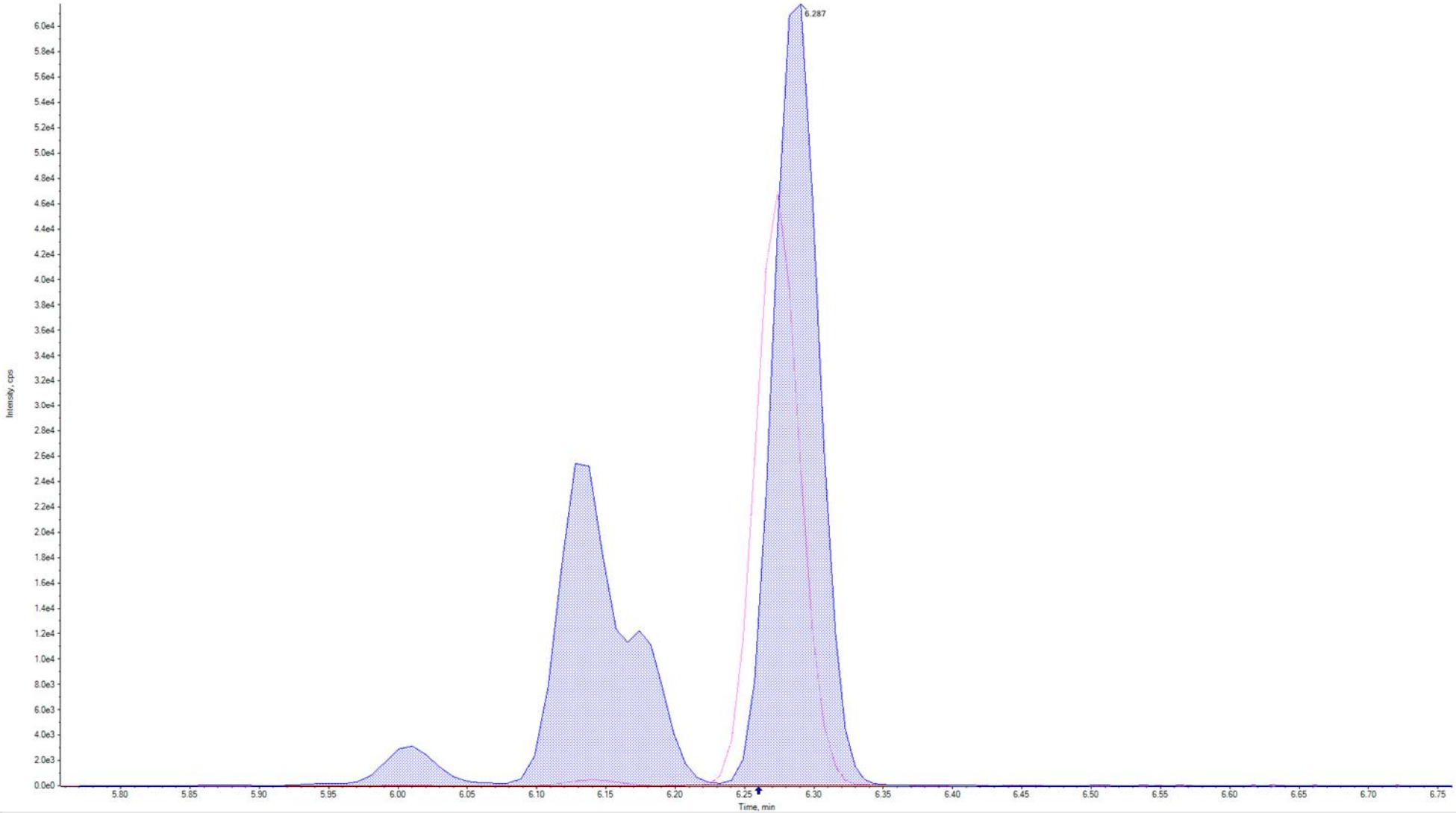


NMeFOSA_2
Sample: WG2011094-15,1633FMED S/N:195.2 Points Across peak:48



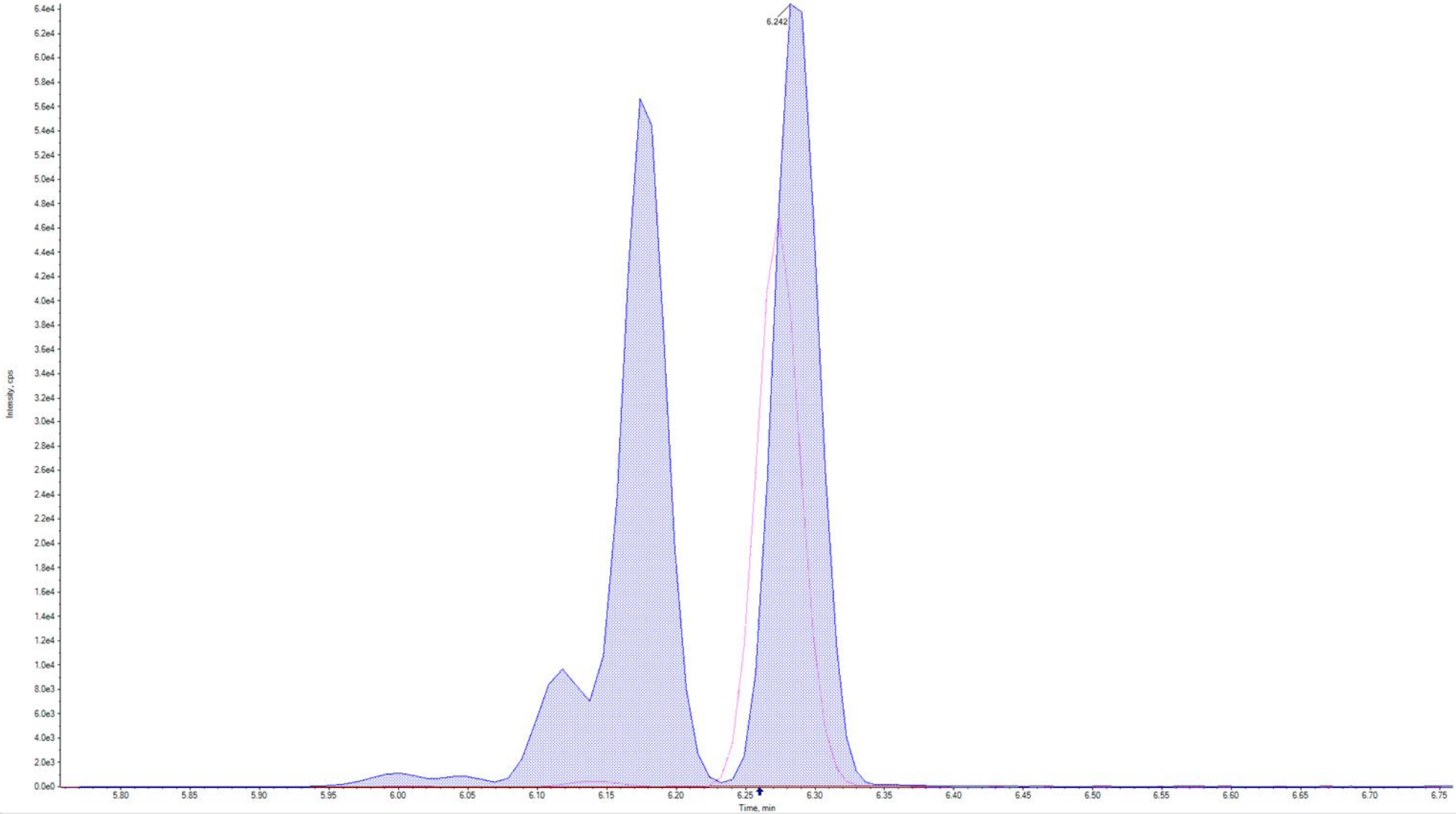
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

NEtFOSA
Sample: WG2011094-15,1633FMED S/N:896.0 Points Across peak:57



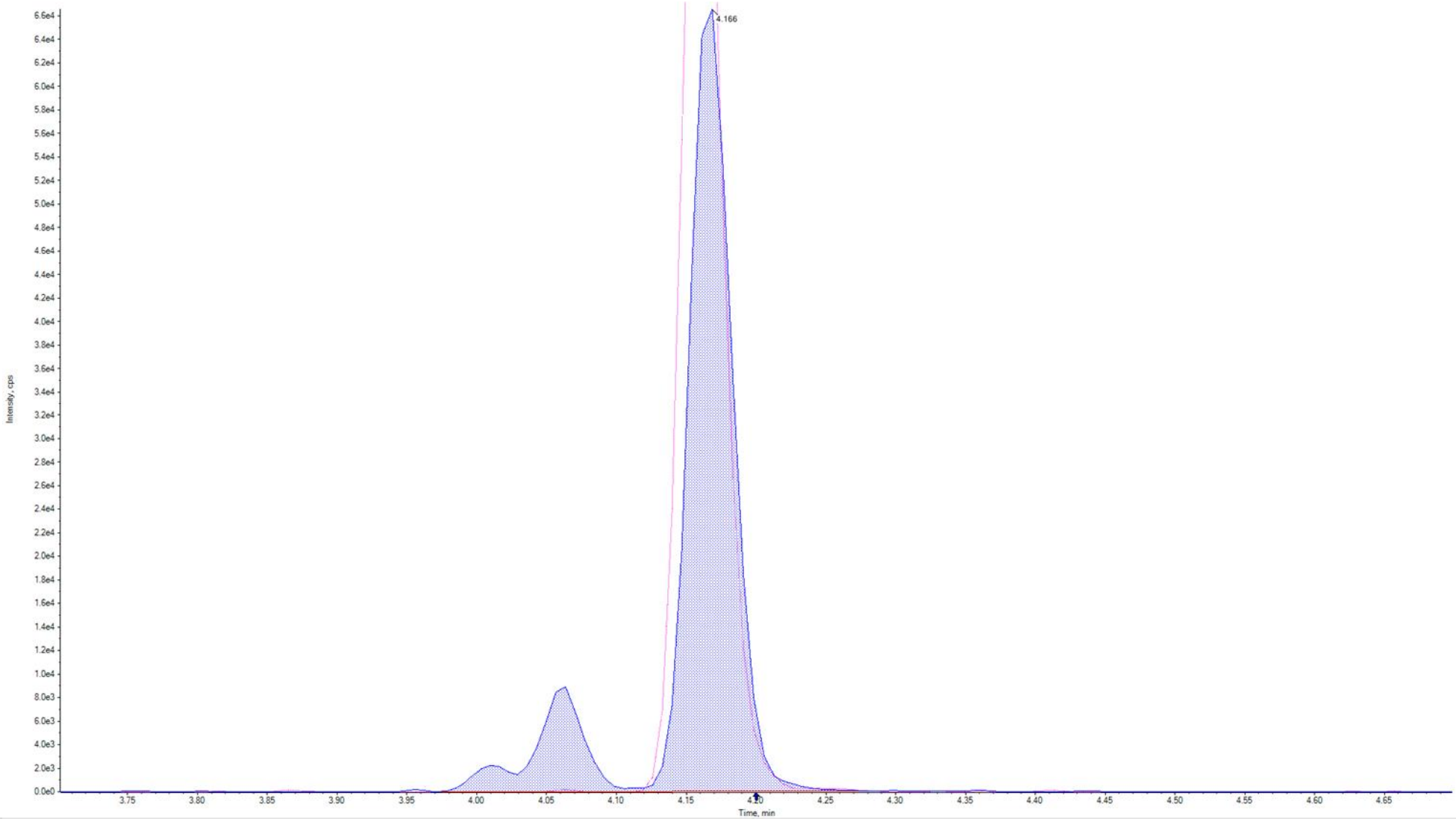
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

NEtFOSA_2
Sample: WG2011094-15,1633FMED S/N:816.3 Points Across peak:59



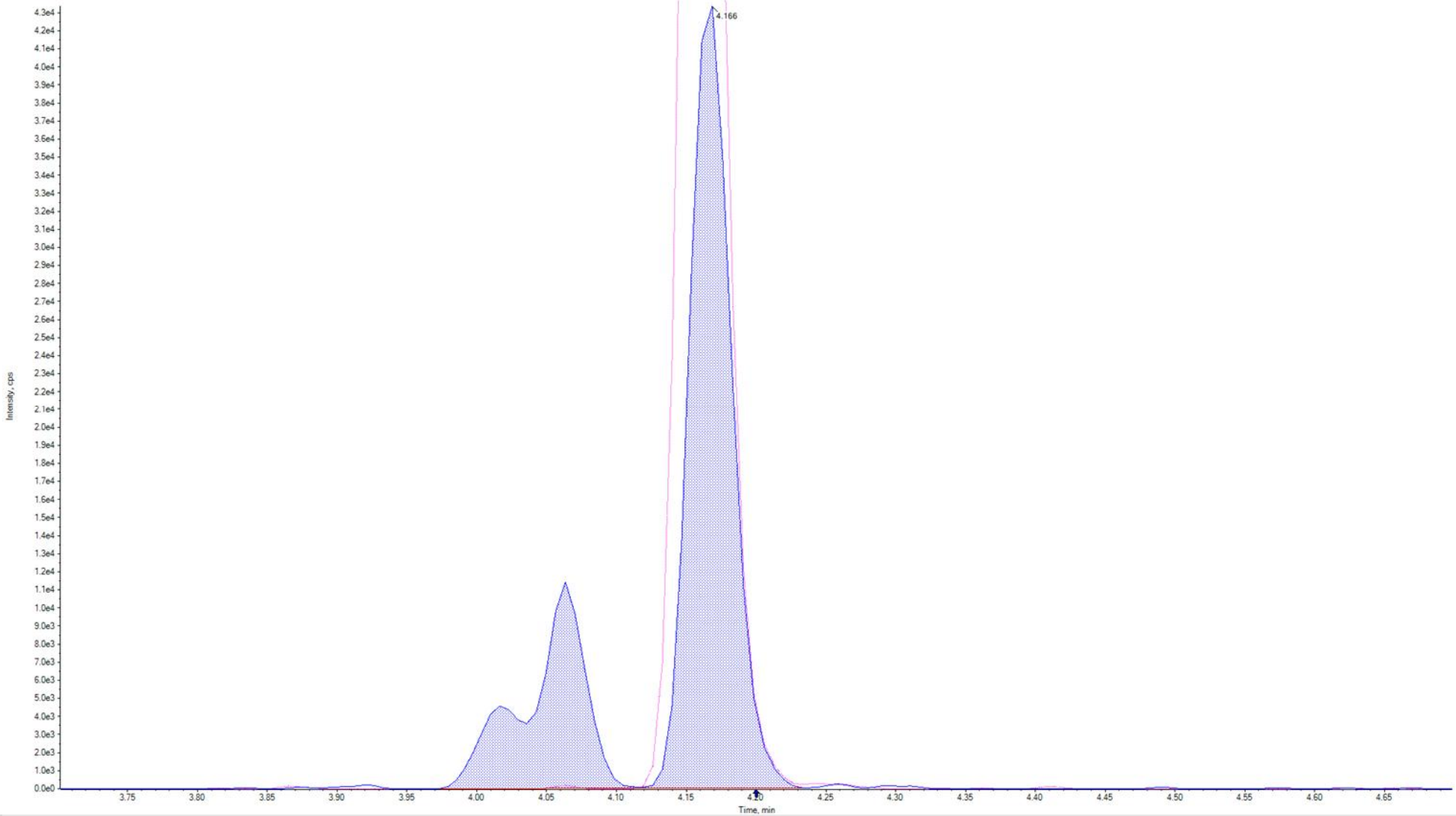
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

NMeFOSAA
Sample: WG2011094-15,1633FMED S/N:596.7 Points Across peak:47



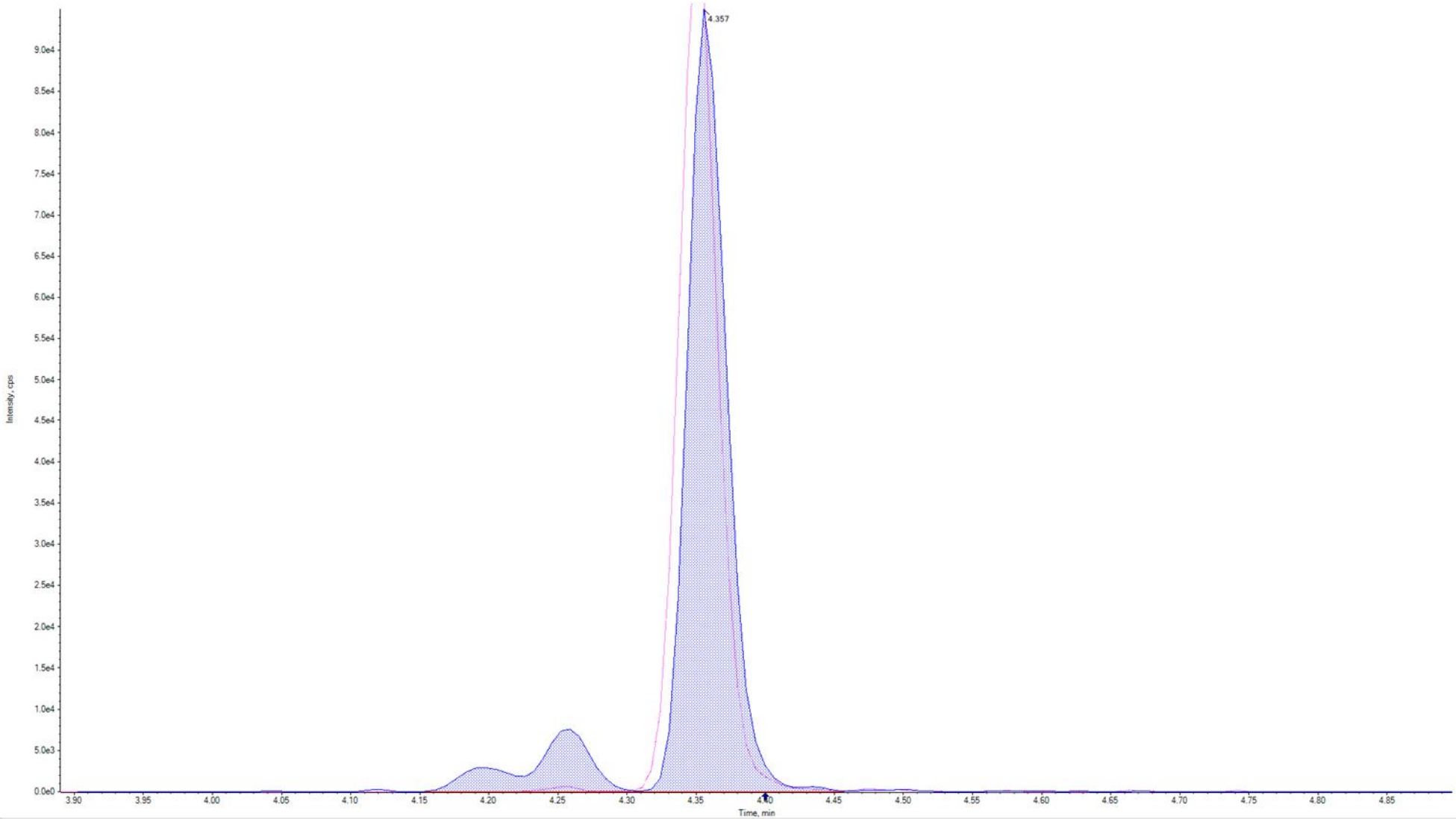
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

NMeFOSAA_2
Sample: WG2011094-15,1633FMED S/N:453.0 Points Across peak:40



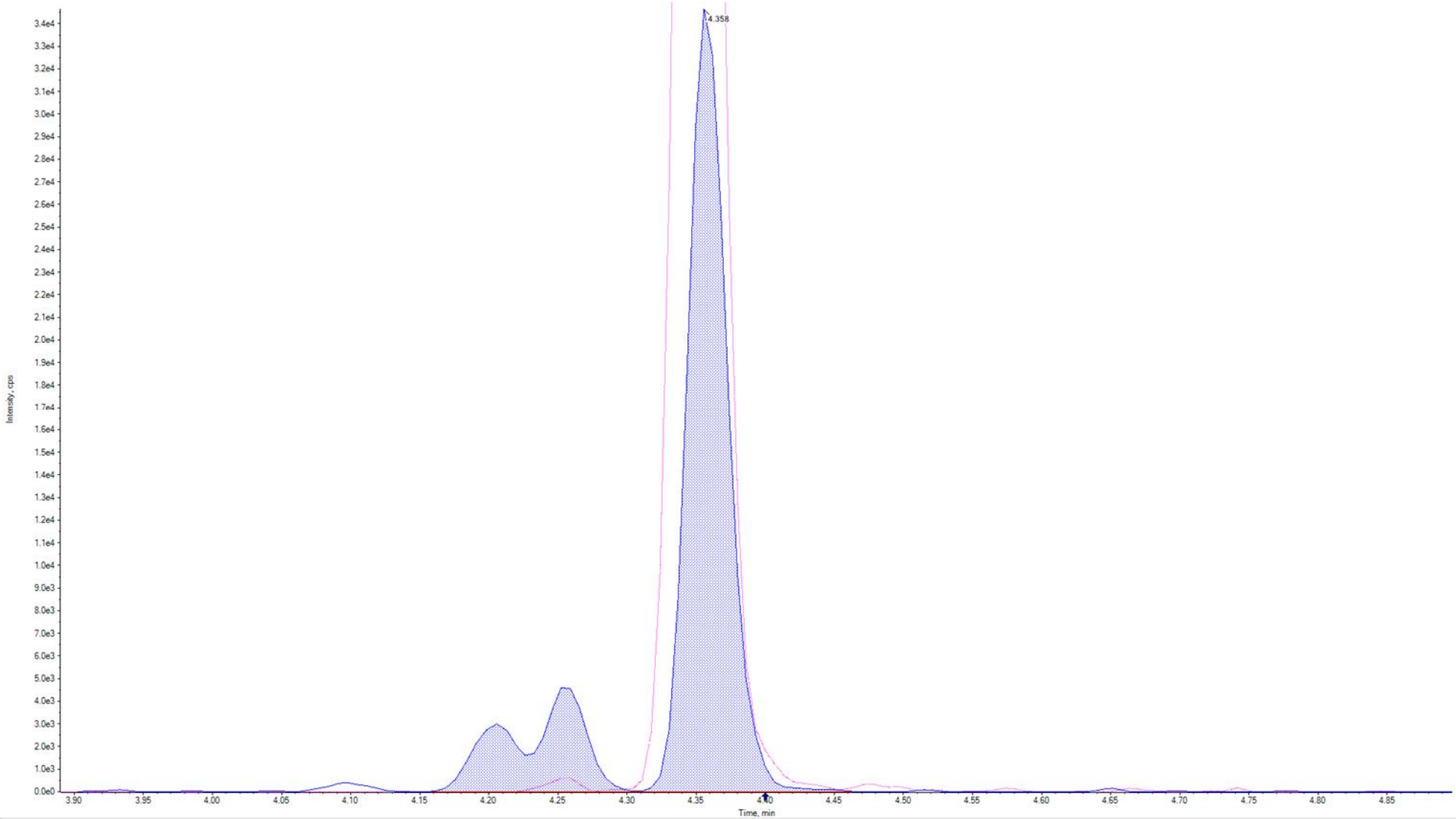
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

NEtFOSAA
Sample: WG2011094-15,1633FMED S/N:686.7 Points Across peak:49



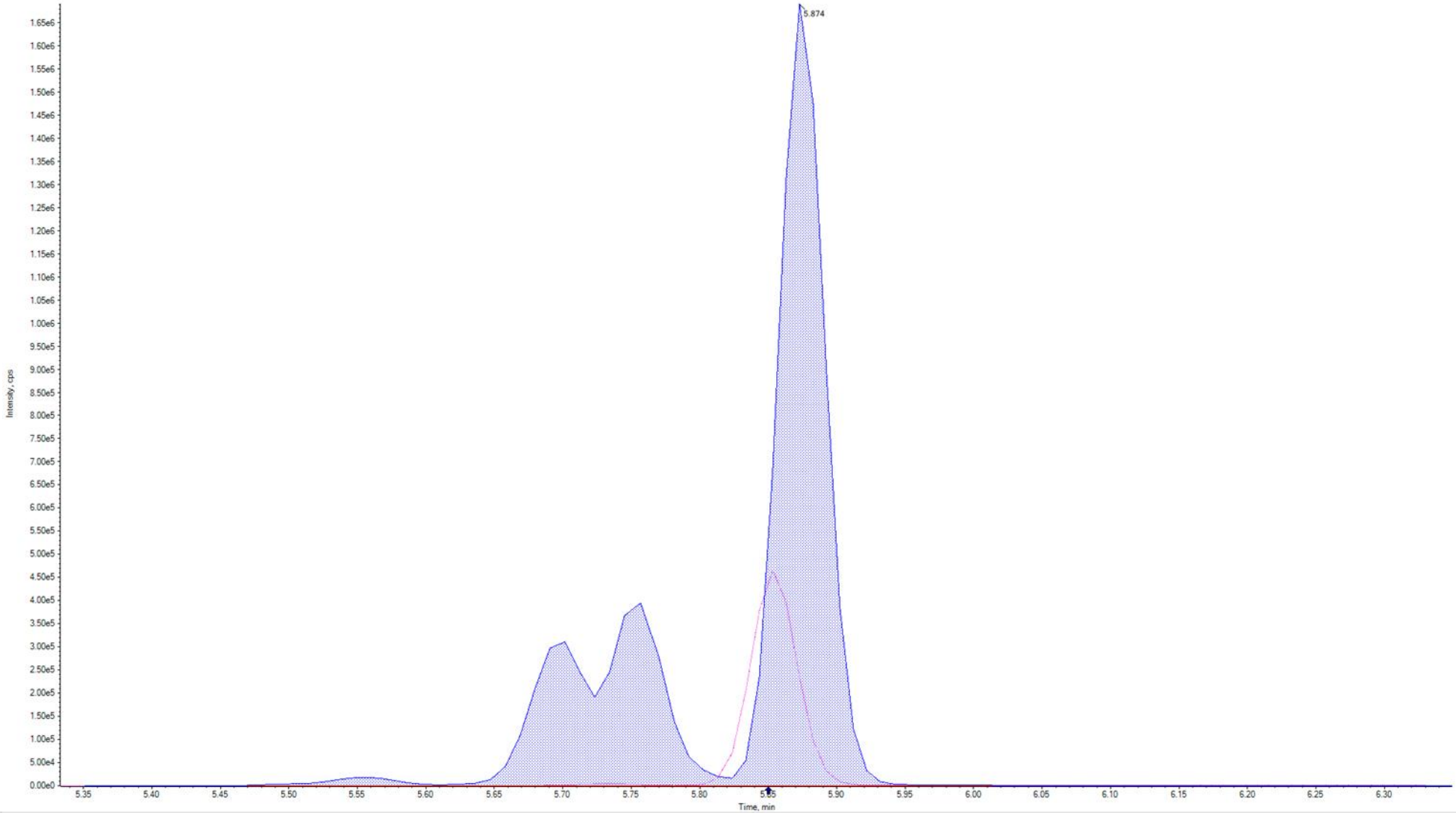
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

NEtFOSAA_2
Sample: WG2011094-15,1633FMED S/N:467.1 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

NMeFOSE
Sample: WG2011094-15,1633FMED S/N:222.0 Points Across peak:59



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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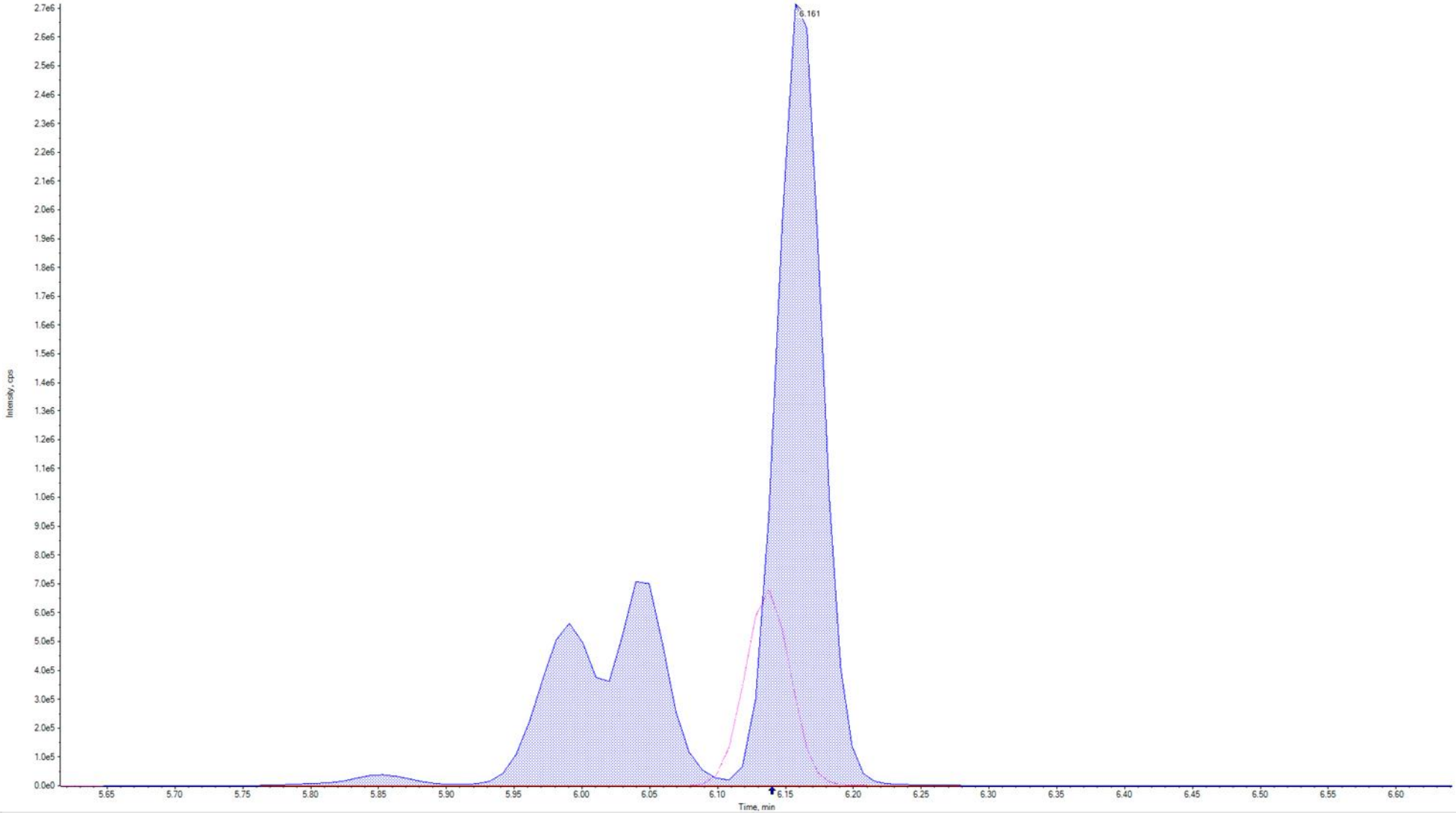
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

NEtFOSE
Sample: WG2011094-15,1633FMED S/N:408.1 Points Across peak:60



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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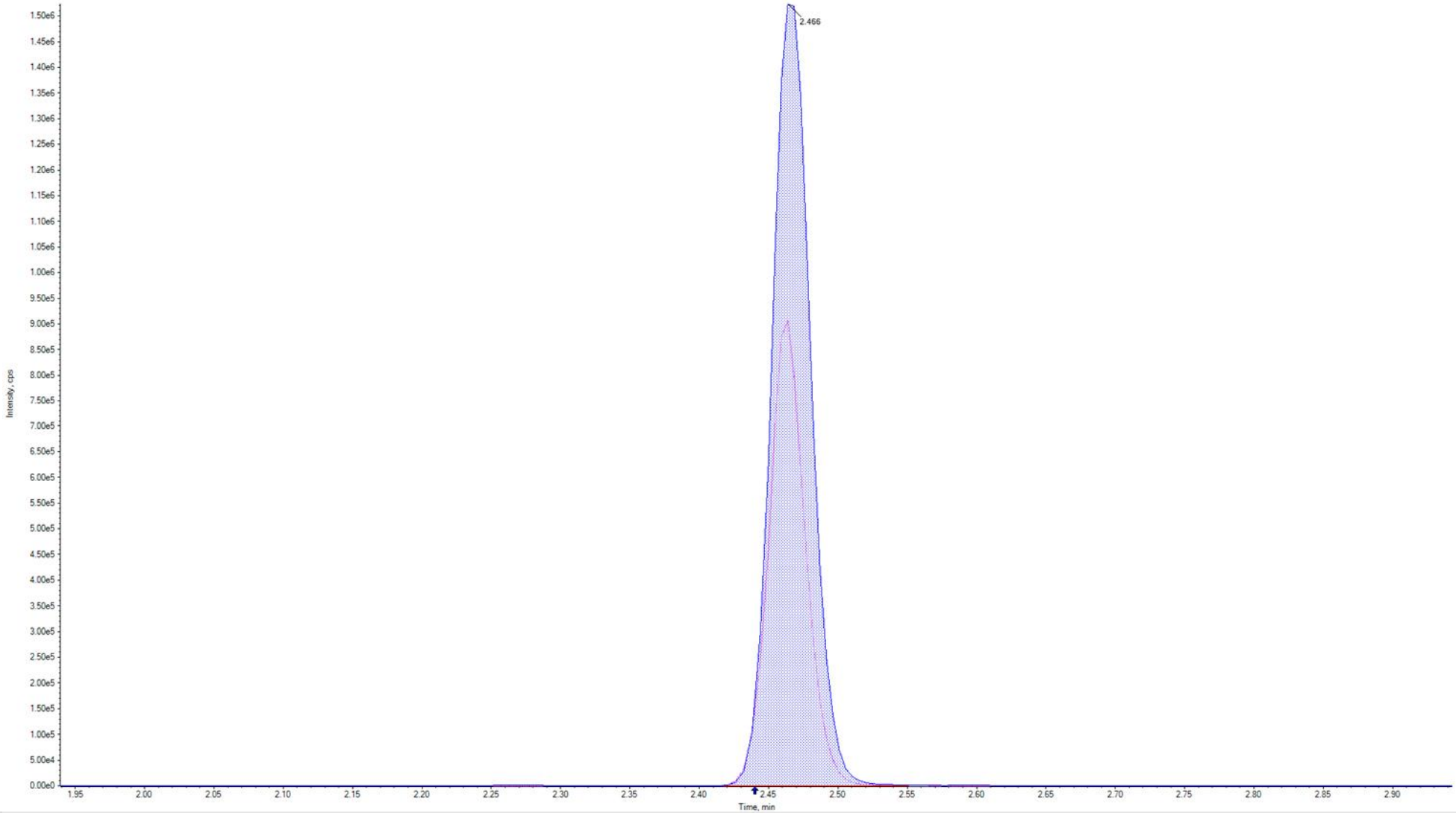
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

HFPO-DA
Sample: WG2011094-15,1633FMED S/N:7972.8 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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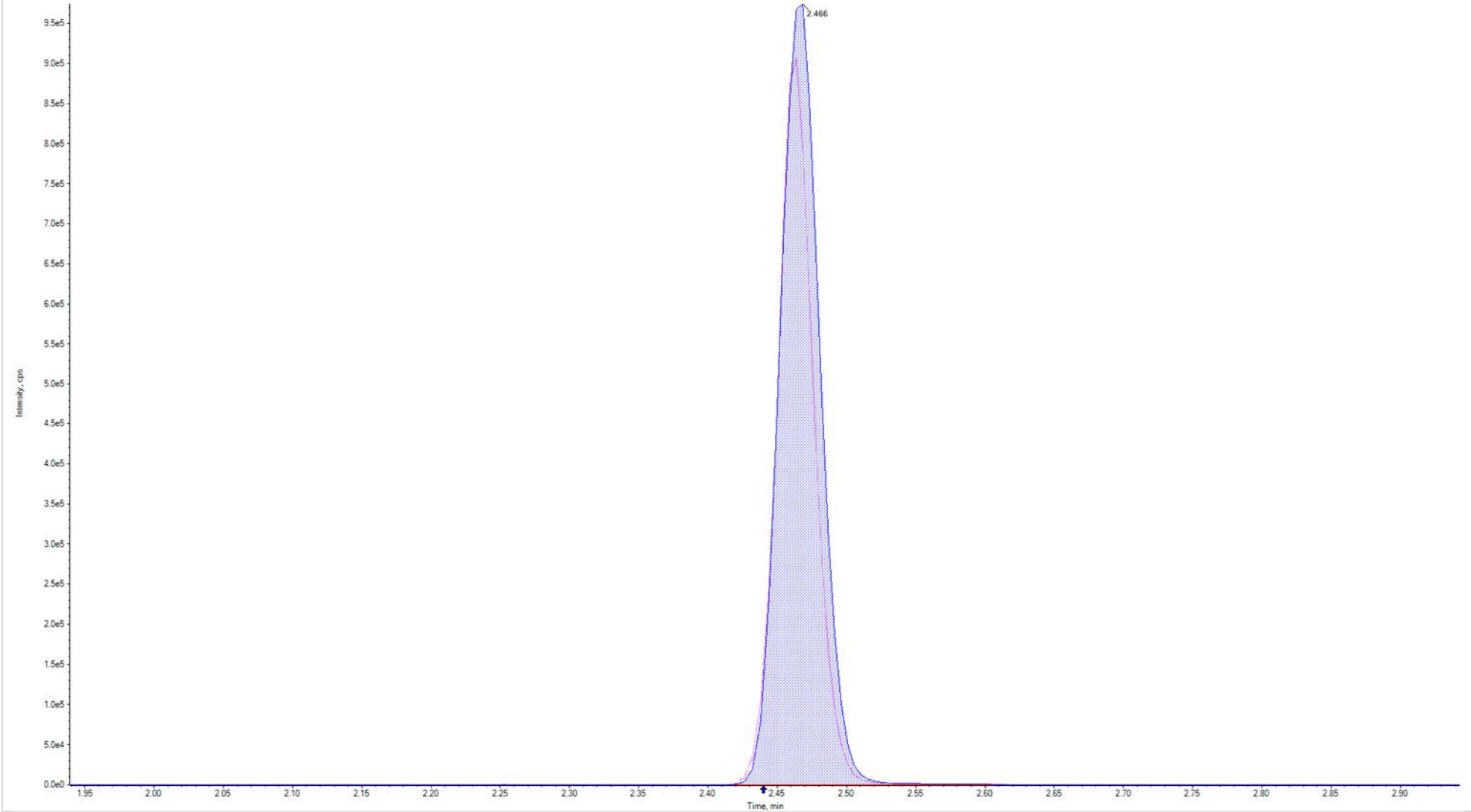
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

HFPO-DA_2
Sample: WG2011094-15,1633FMED S/N:21980.0 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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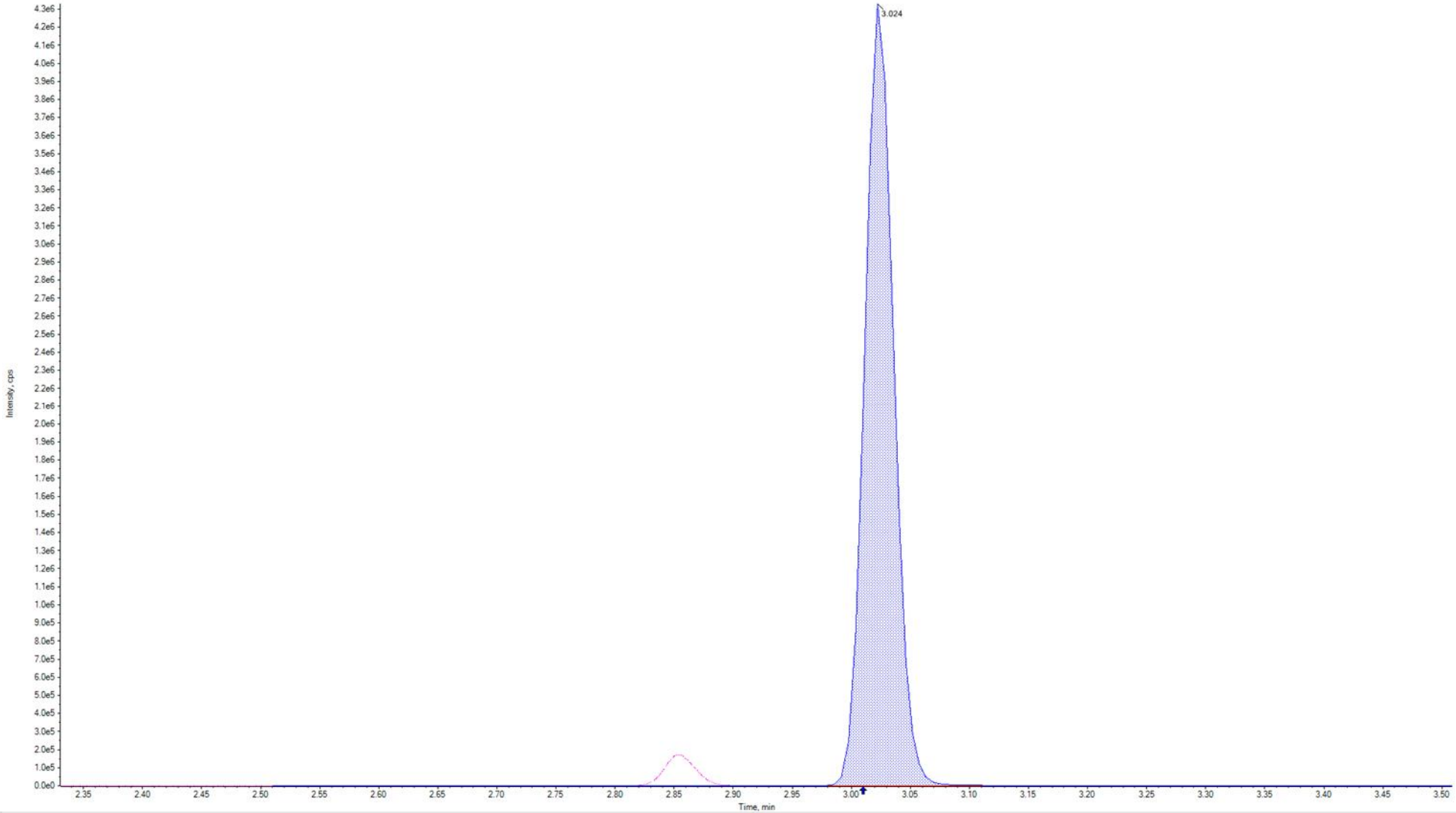
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

ADONA
Sample: WG2011094-15,1633FMED S/N:12733.5 Points Across peak:48



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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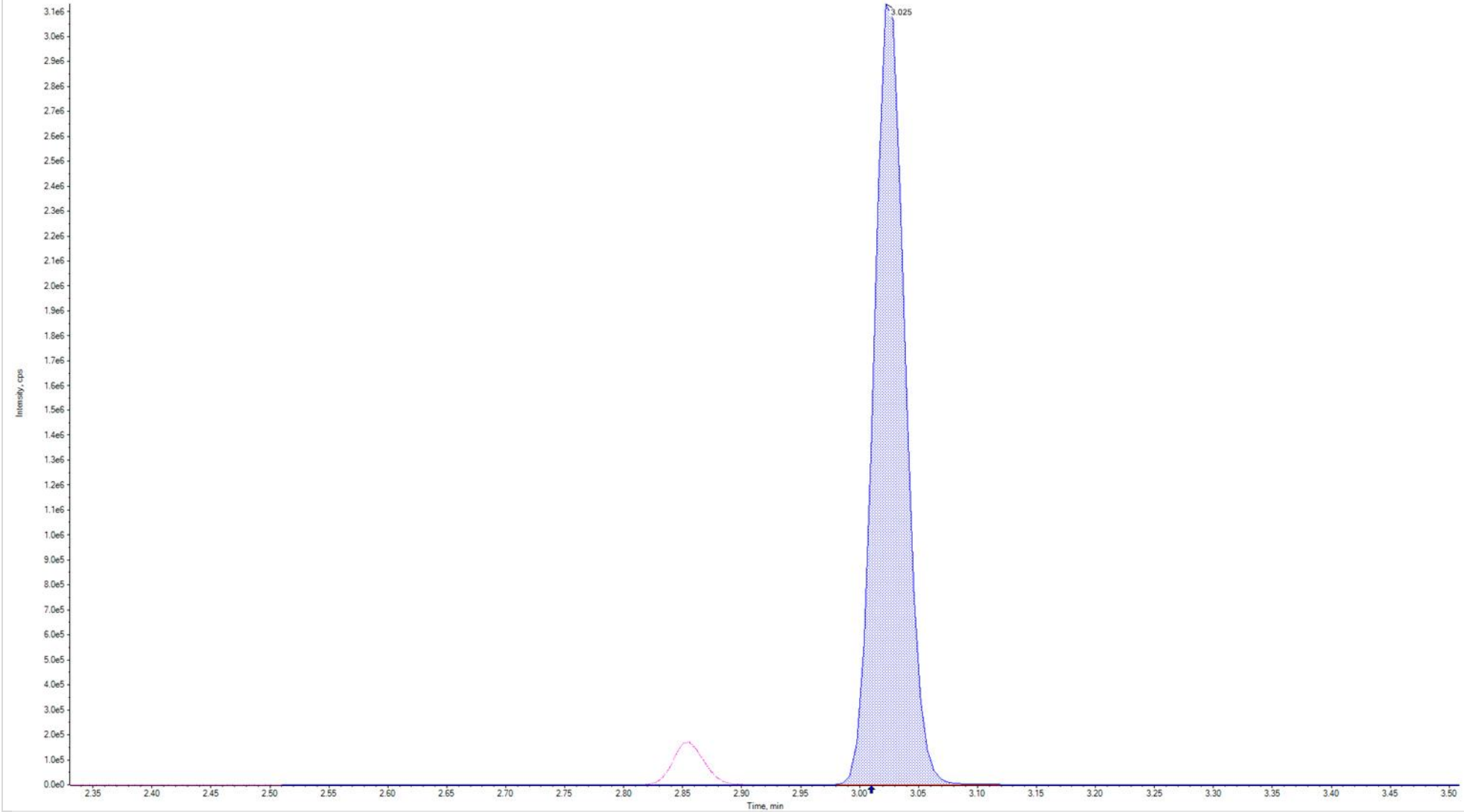
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

ADONA_2
Sample: WG2011094-15,1633FMED S/N:62777.4 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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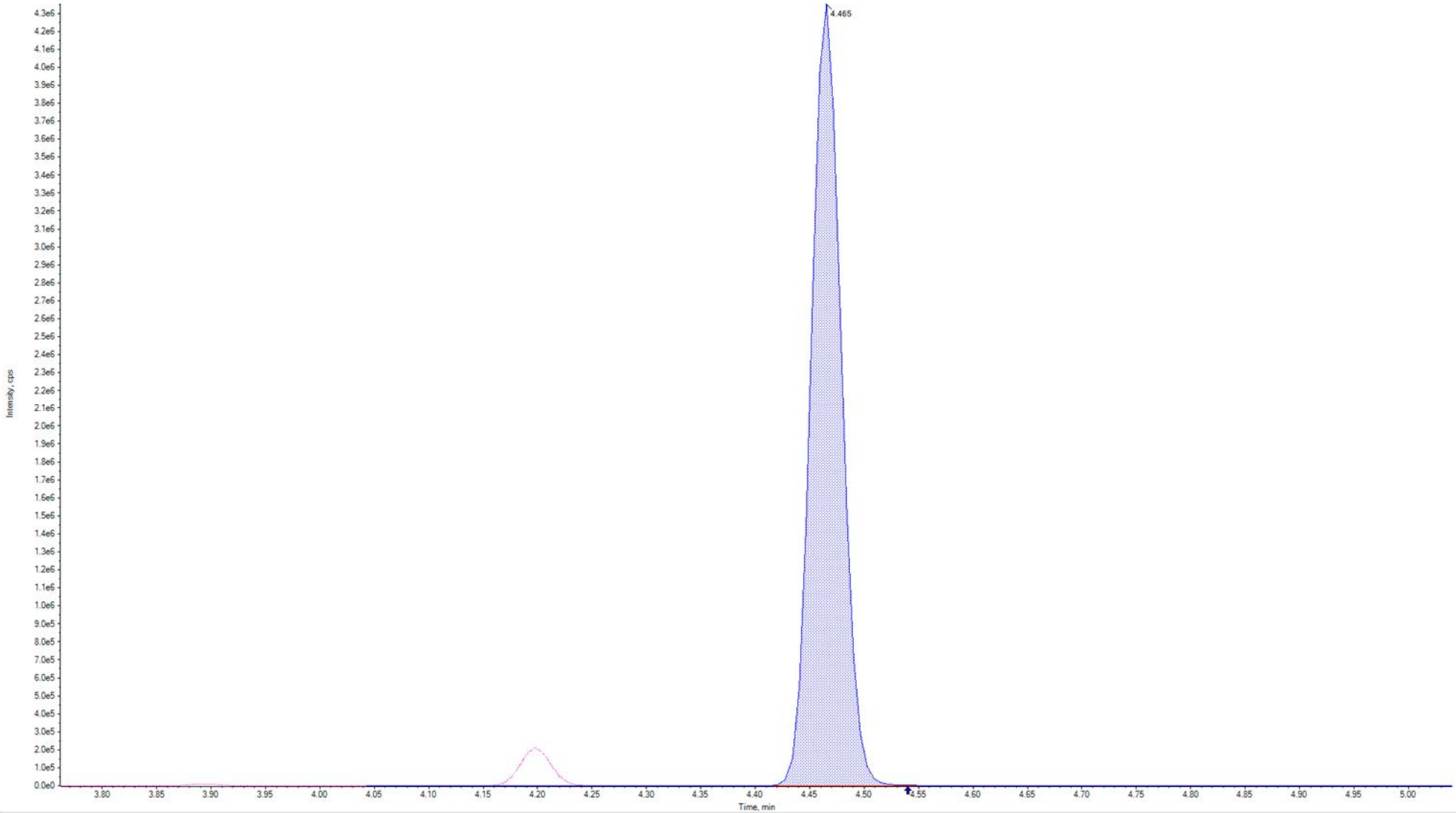
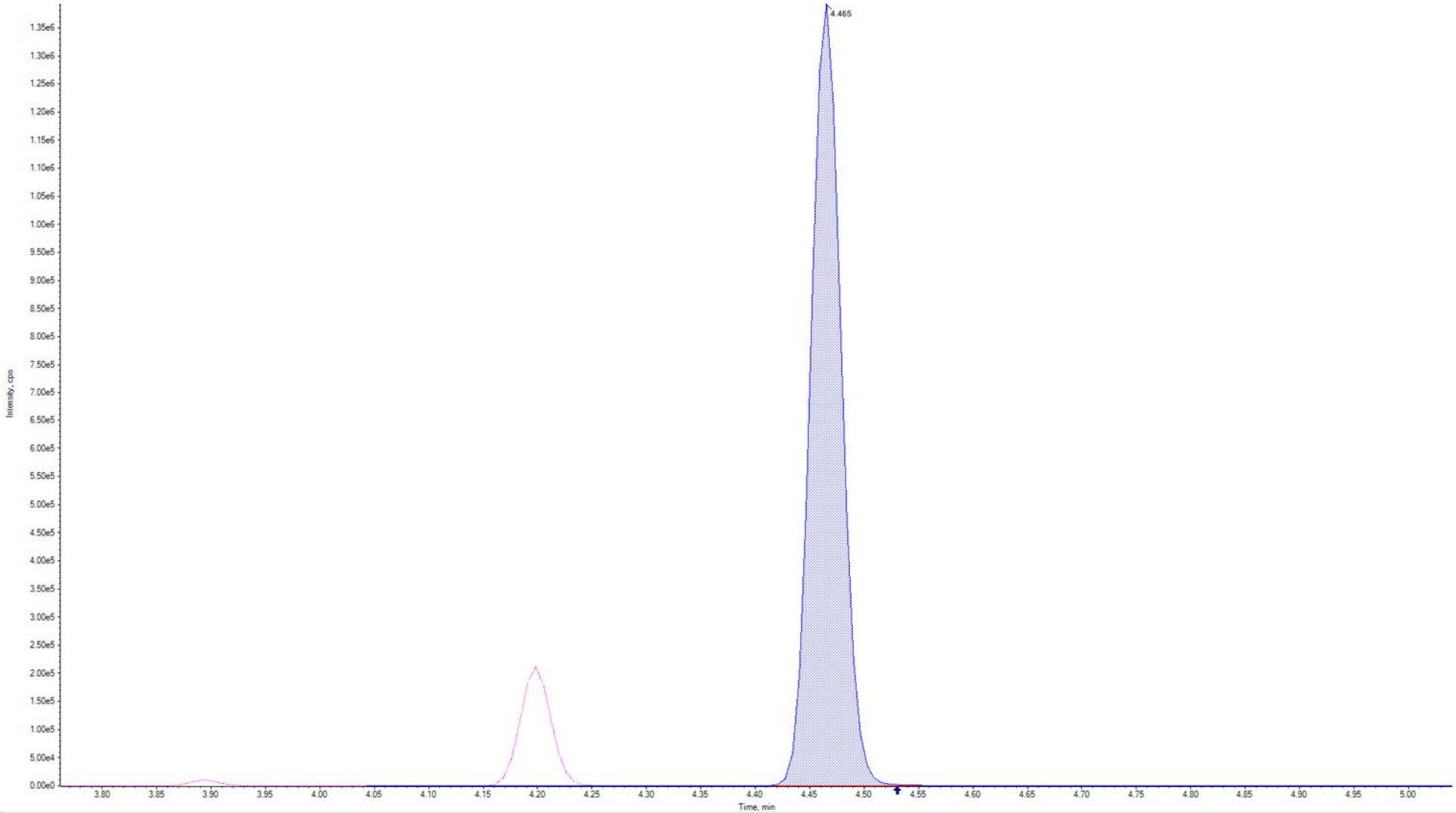
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

9Cl-PF3ONS
Sample: WG2011094-15,1633FMED S/N:10351.0 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

9Cl-PF3ONS_2
Sample: WG2011094-15,1633FMED S/N:6975.1 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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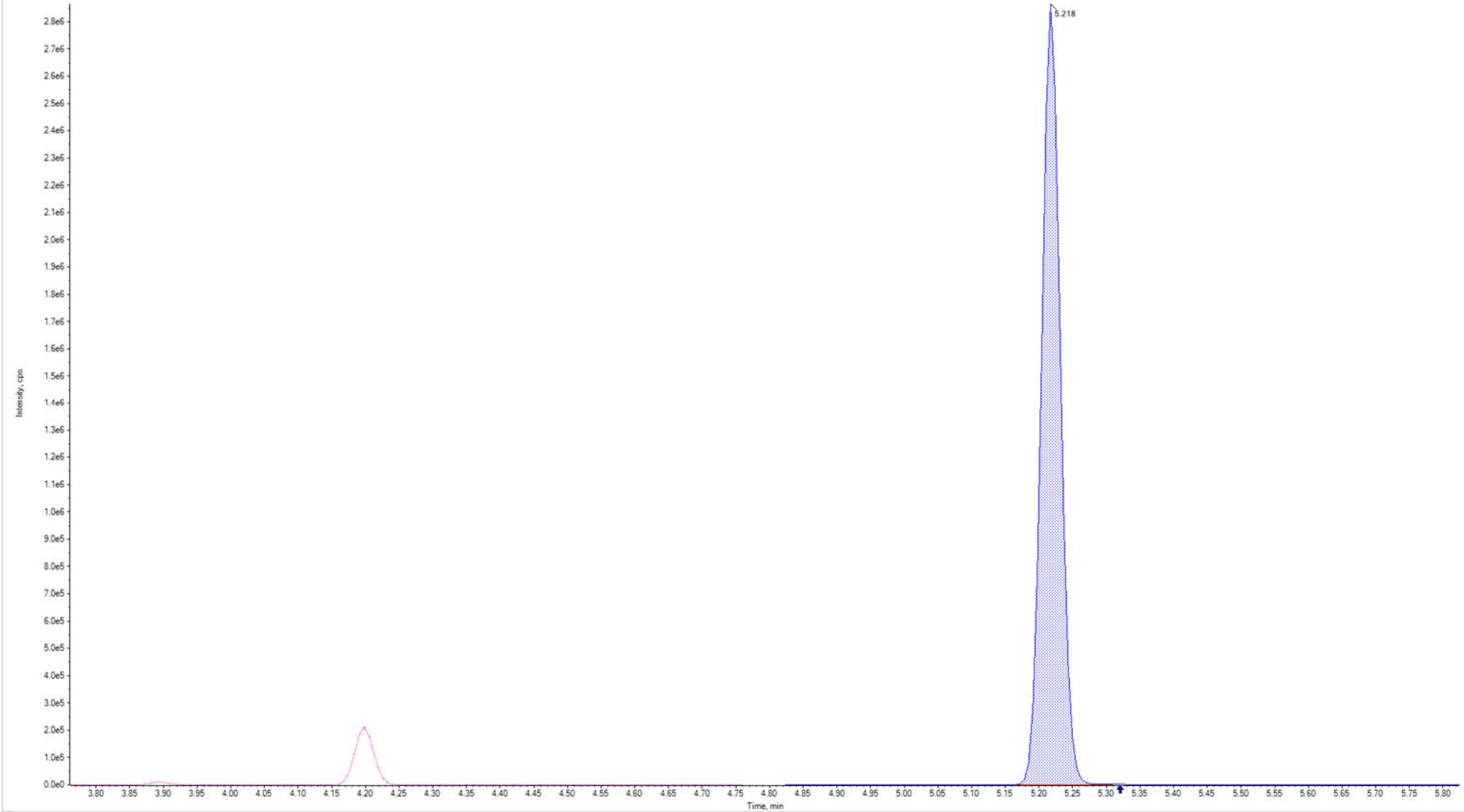
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

11Cl-PF3OUdS
Sample: WG2011094-15,1633FMED S/N:7634.1 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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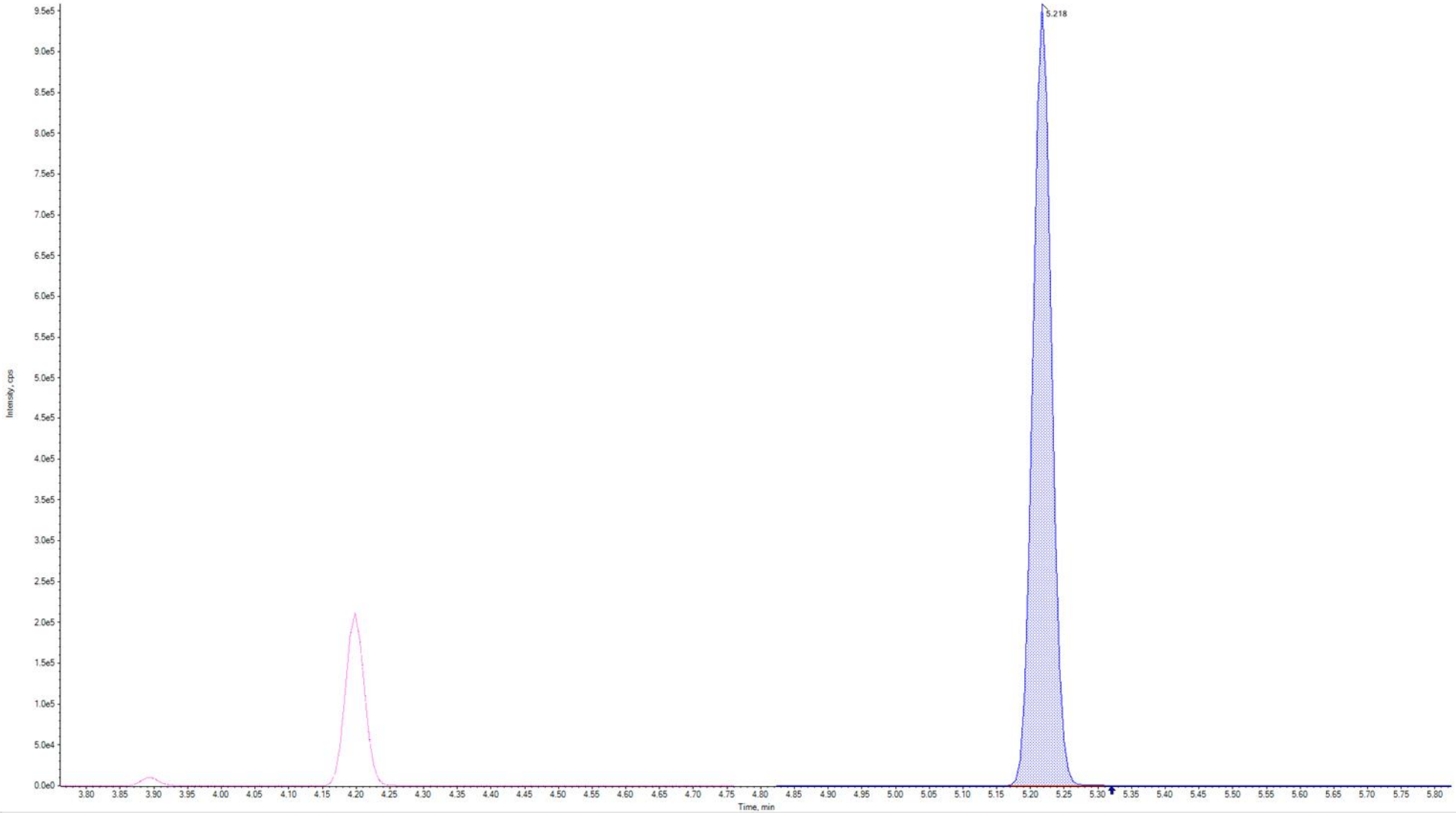
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

11Cl-PF3OUdS_2
Sample: WG2011094-15,1633FMED S/N:5187.4 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 1:46:15 AM
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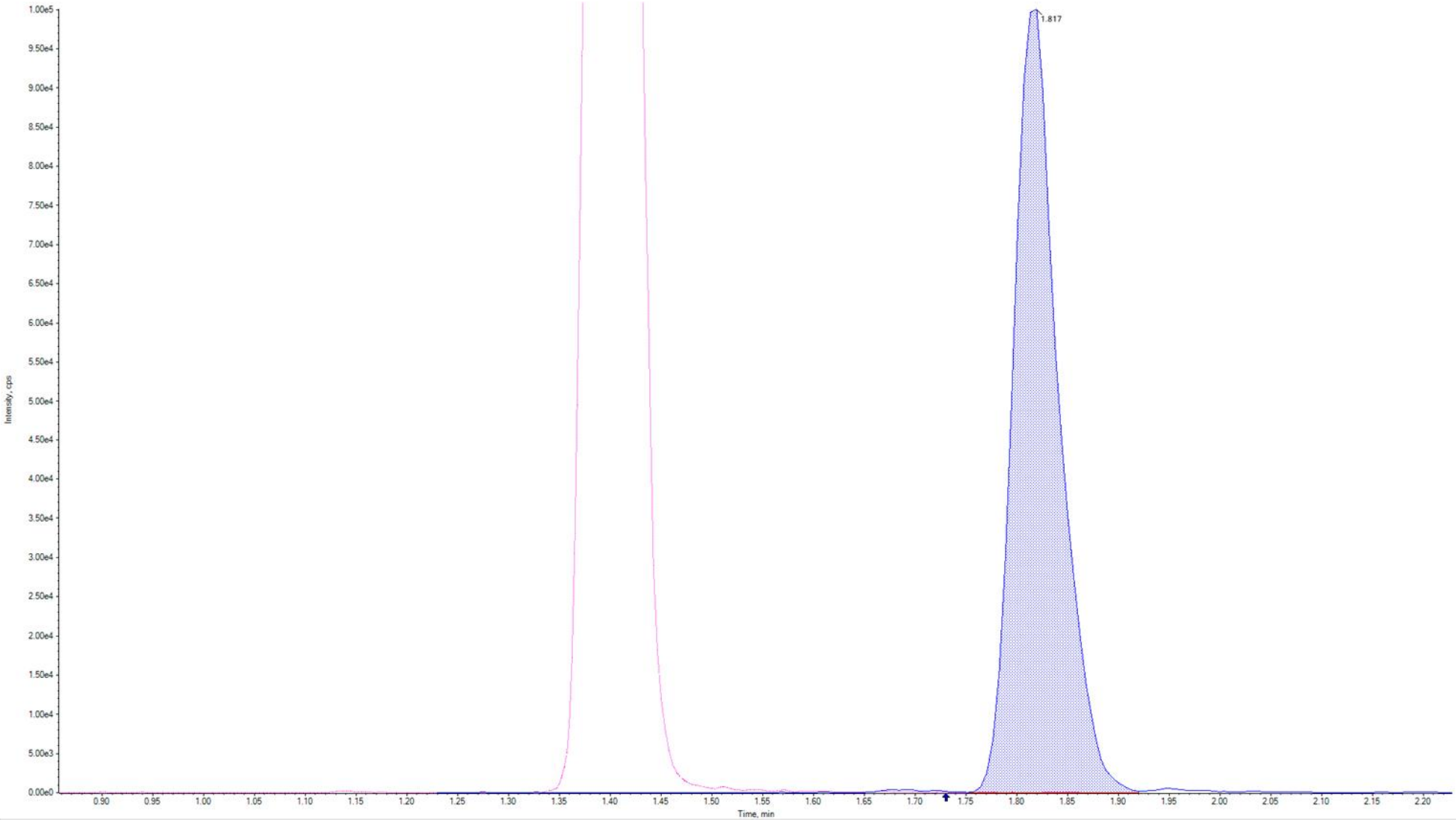
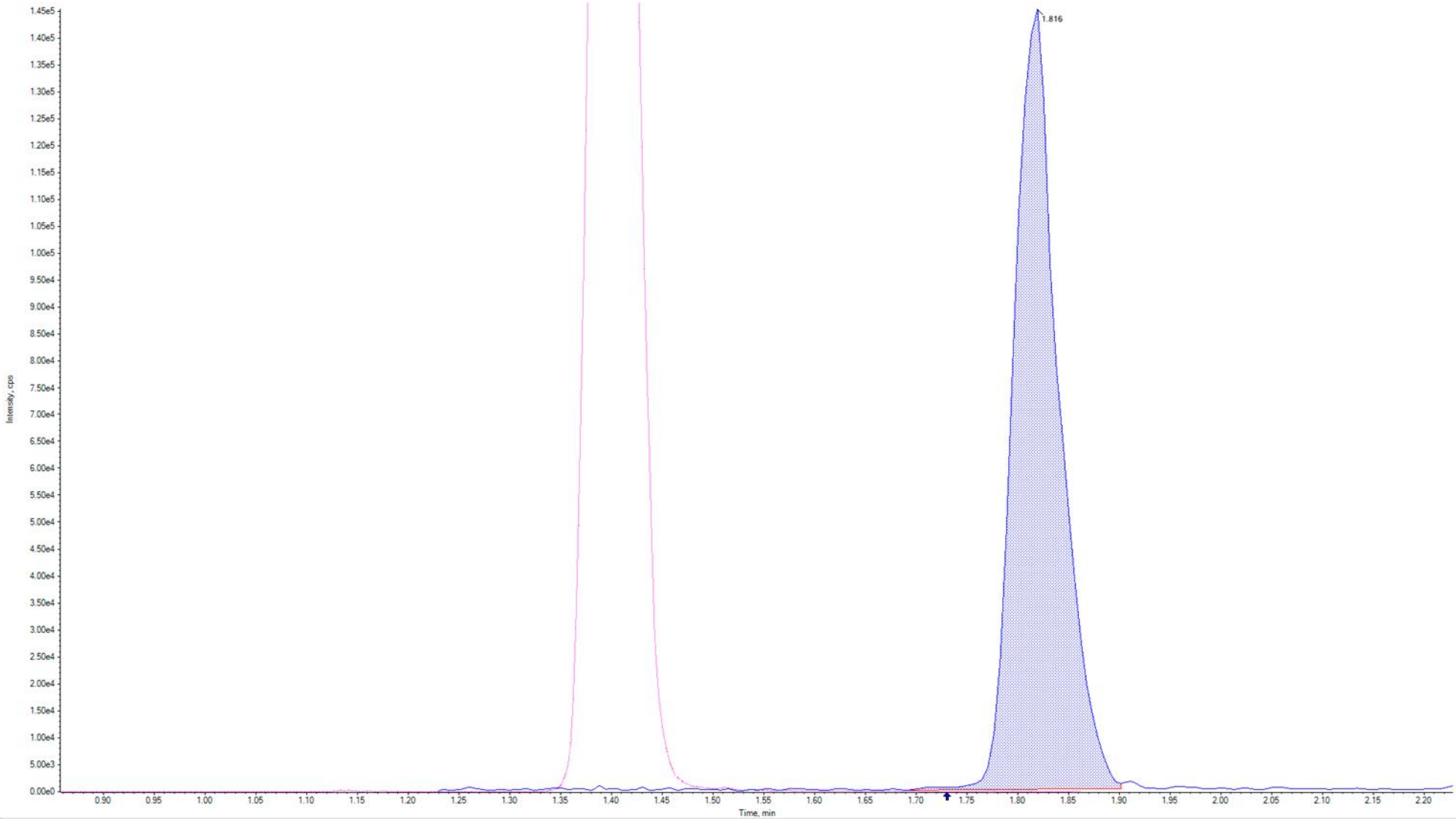
3:3FTCA
Sample: WG2011094-15,1633FMED S/N:2508.0 Points Across peak:31



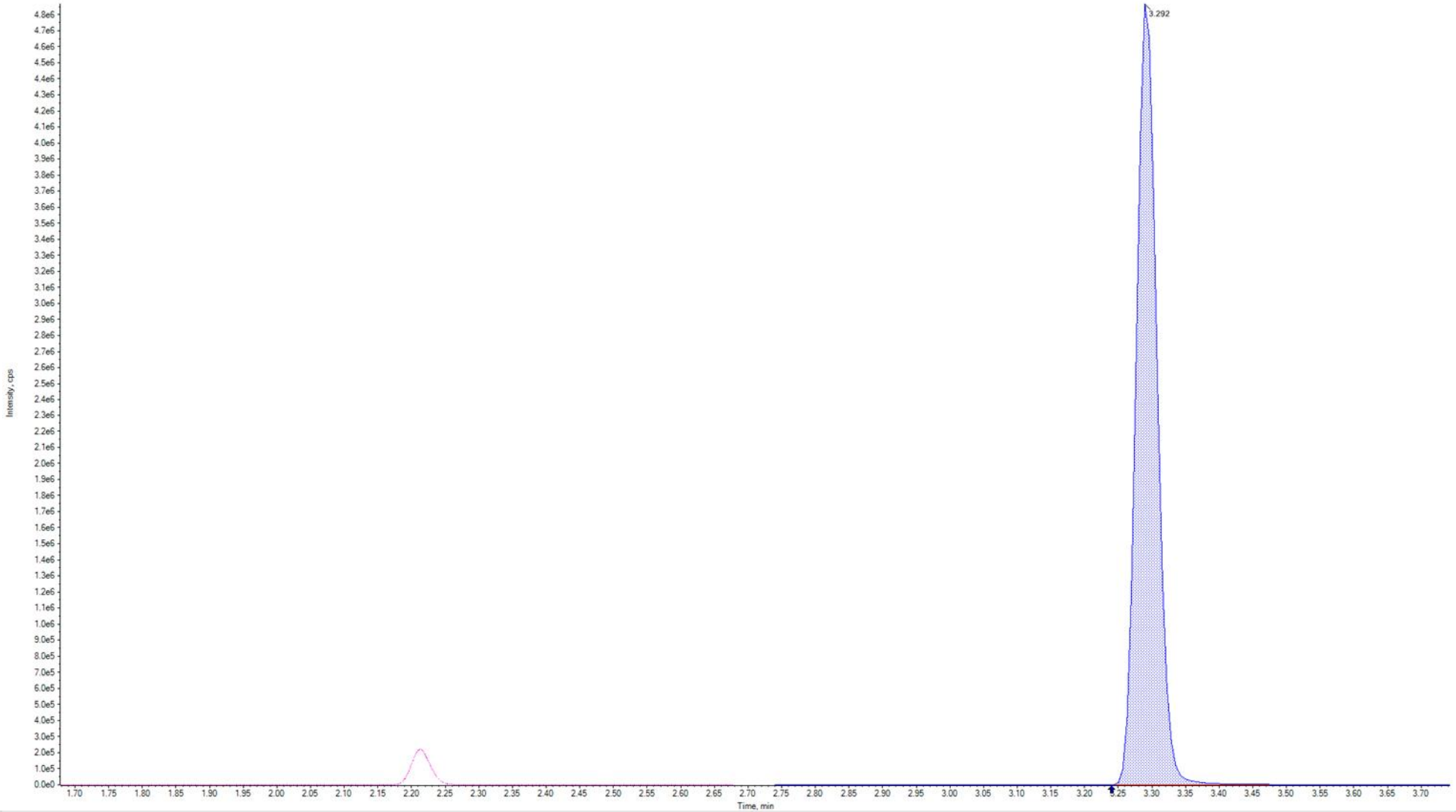
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

3:3FTCA_2
Sample: WG2011094-15,1633FMED S/N:1668.9 Points Across peak:37



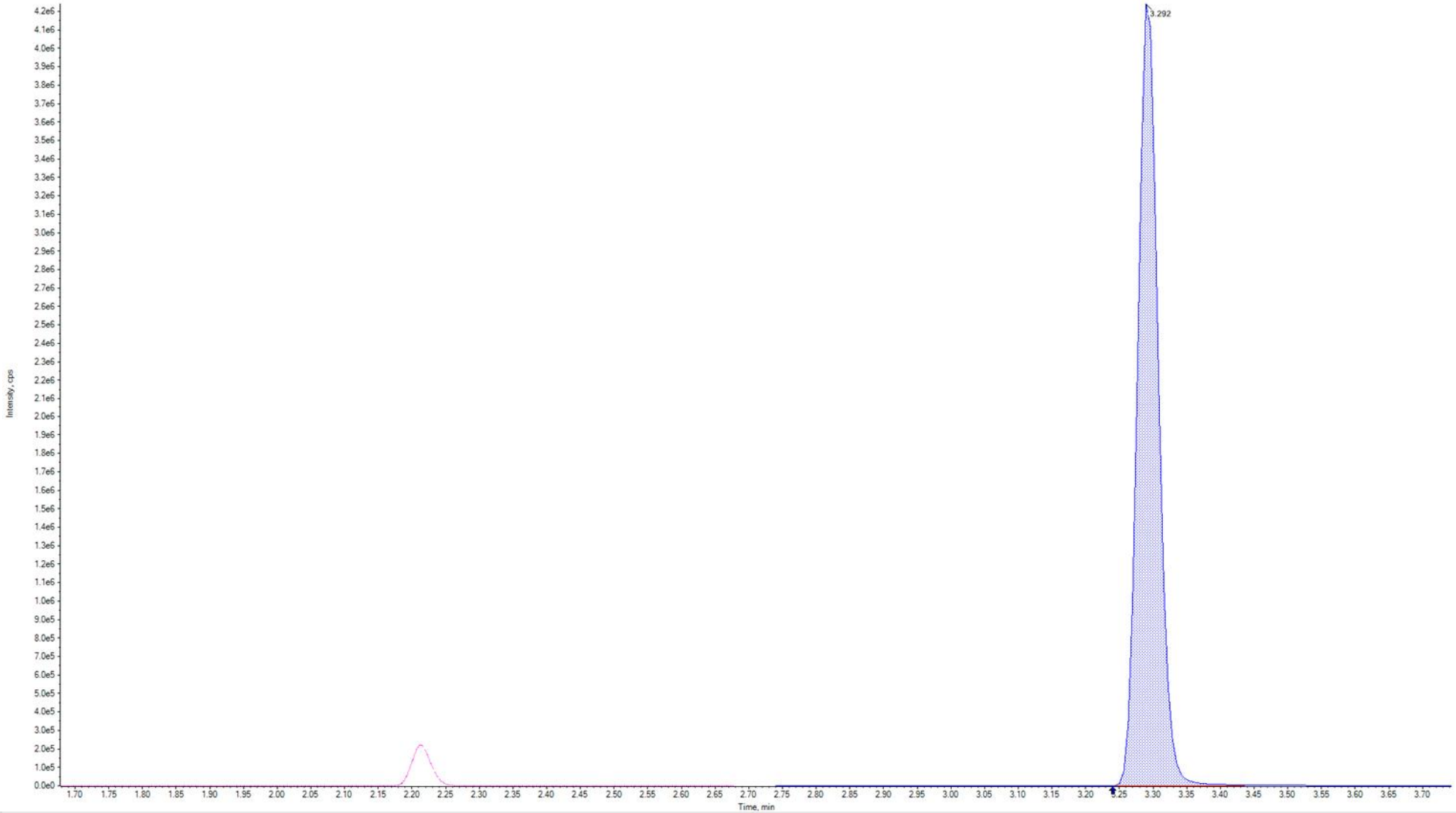
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

5:3FTCA
Sample: WG2011094-15,1633FMED S/N:109784.1 Points Across peak:42



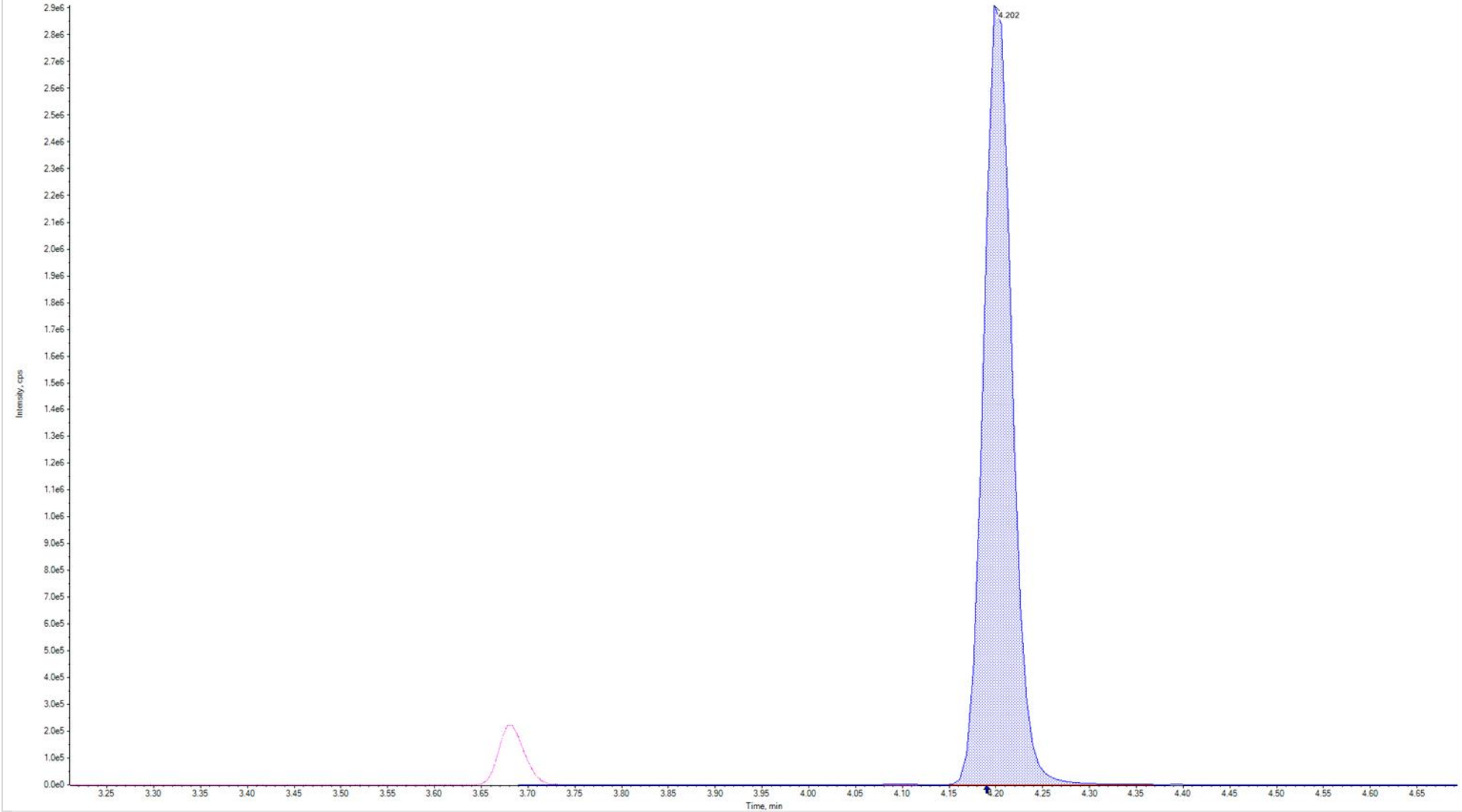
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

5:3FTCA_2
Sample: WG2011094-15,1633FMED S/N:95657.2 Points Across peak:38



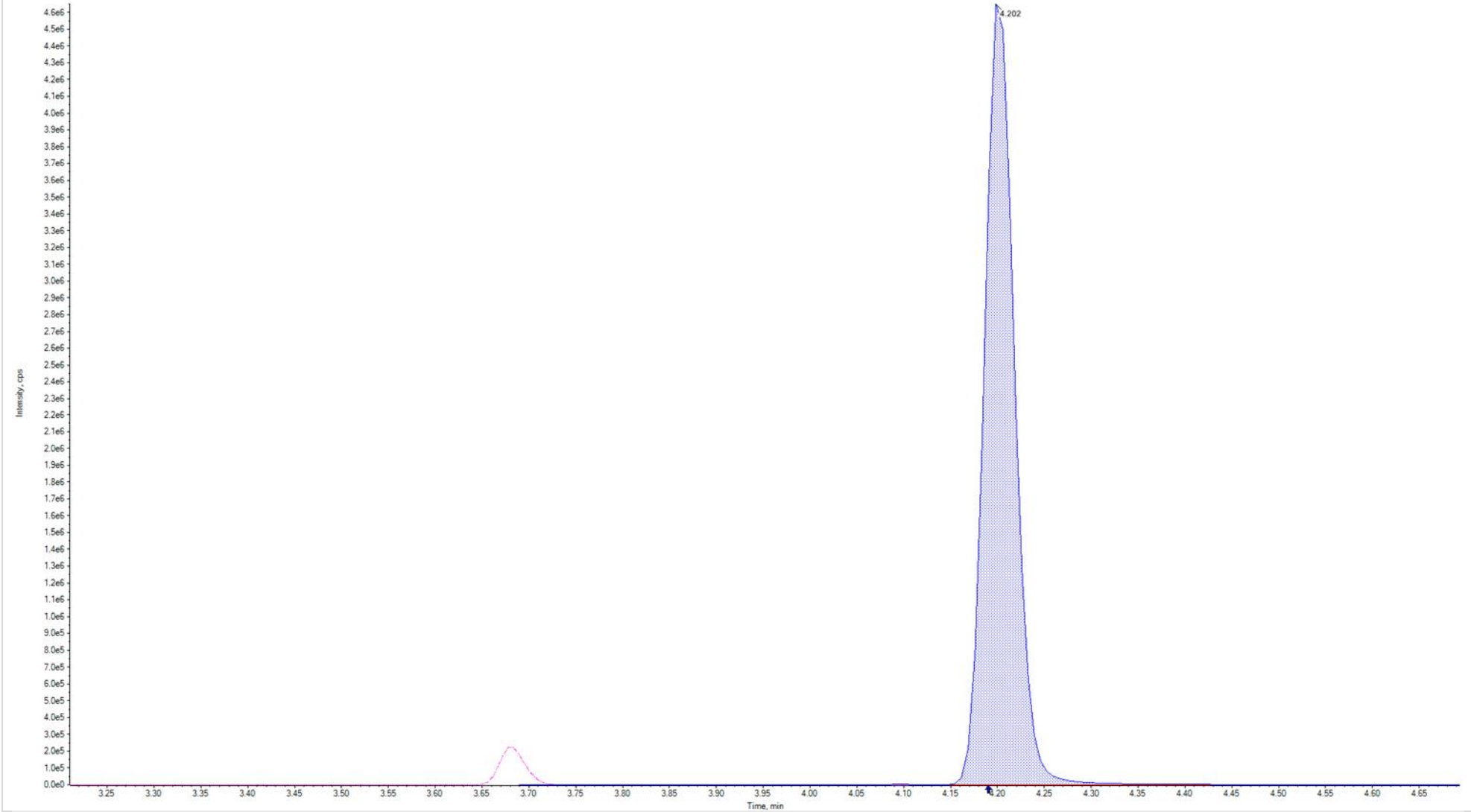
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

7:3FTCA
Sample: WG2011094-15,1633FMED S/N:80208.3 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

7:3FTCA_2
Sample: WG2011094-15,1633FMED S/N:128215.7 Points Across peak:47



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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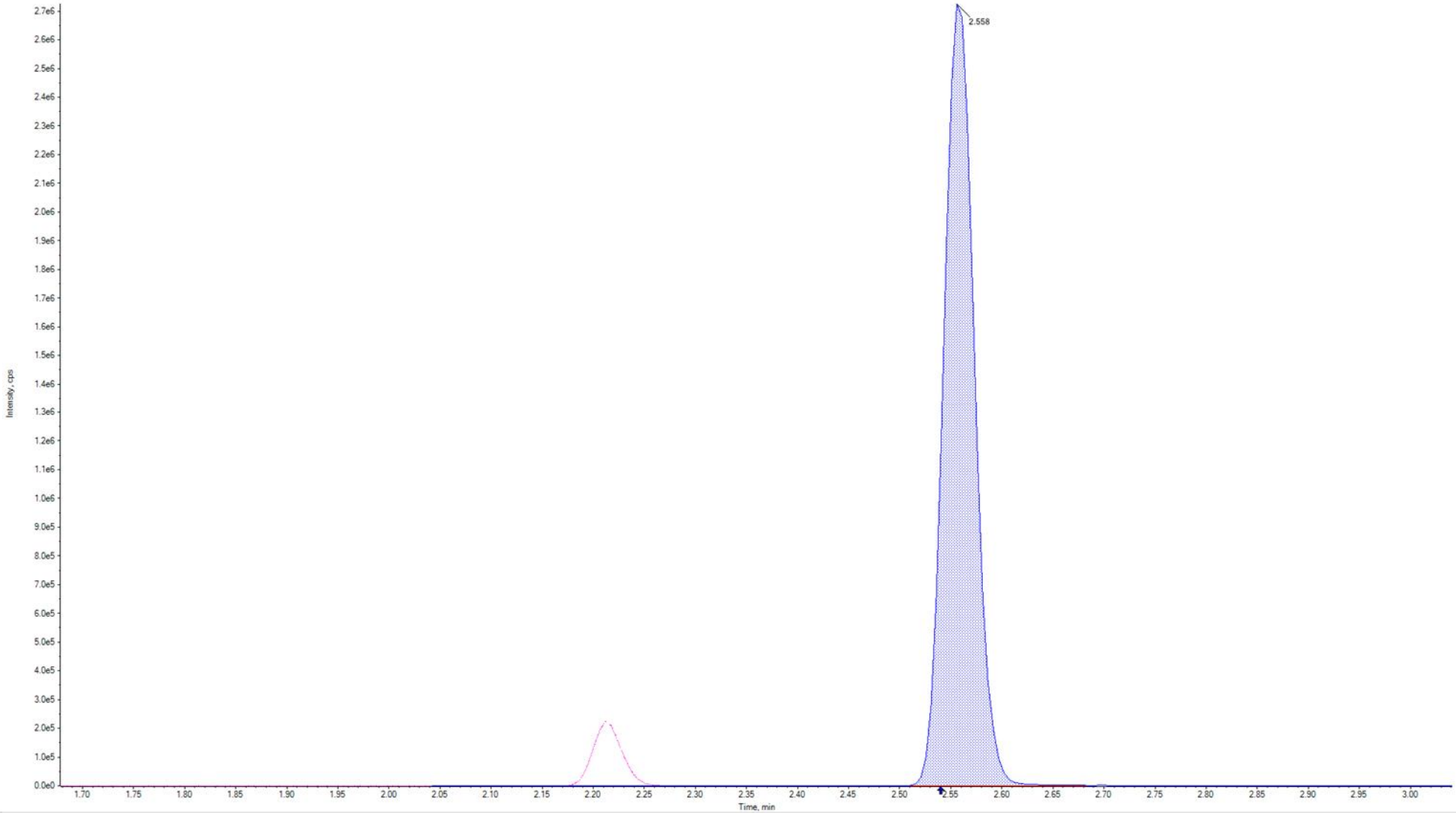
PFEESA
Sample: WG2011094-15,1633FMED S/N:61474.5 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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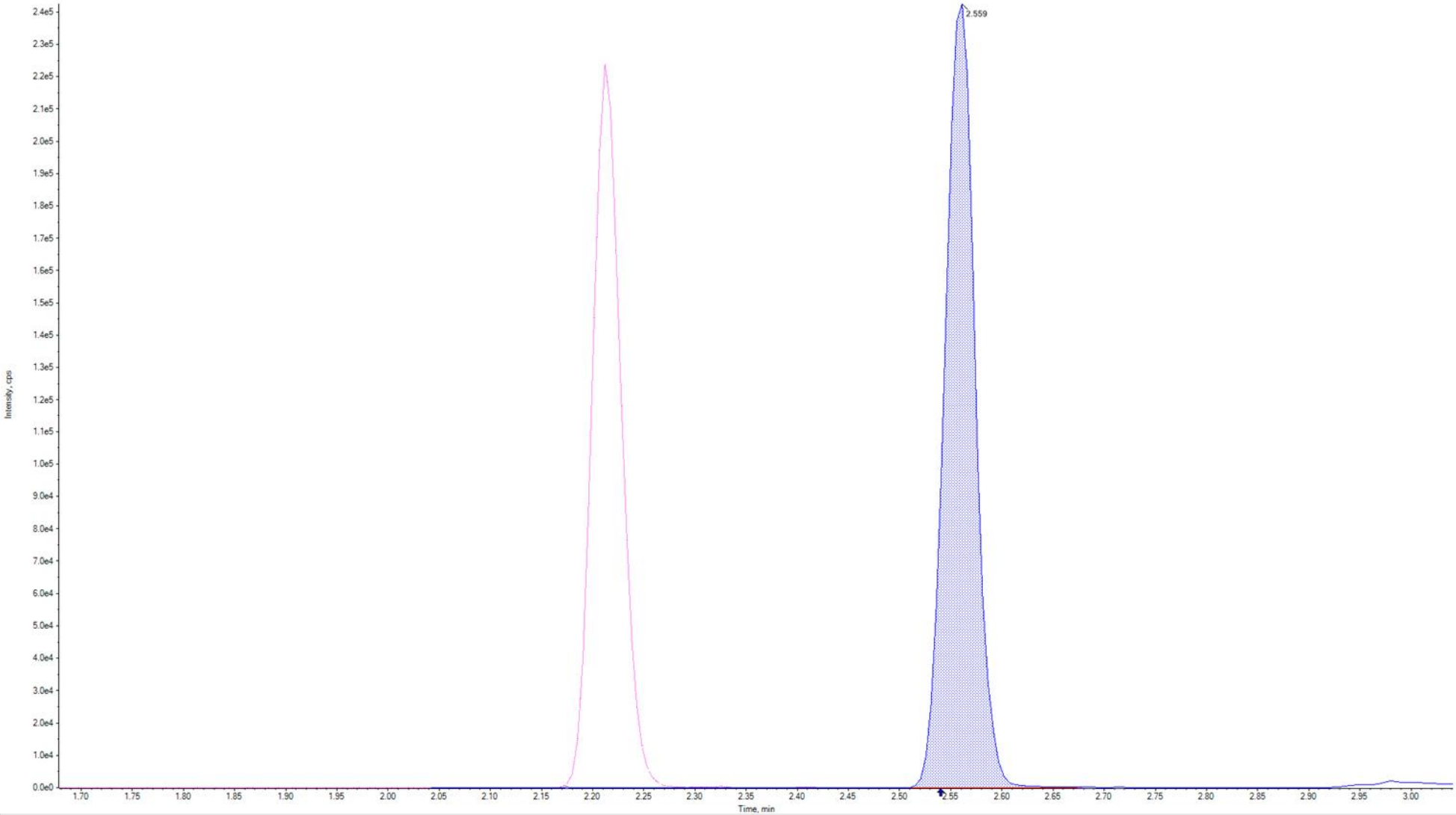
PFEESA_2
Sample: WG2011094-15,1633FMED S/N:4061.2 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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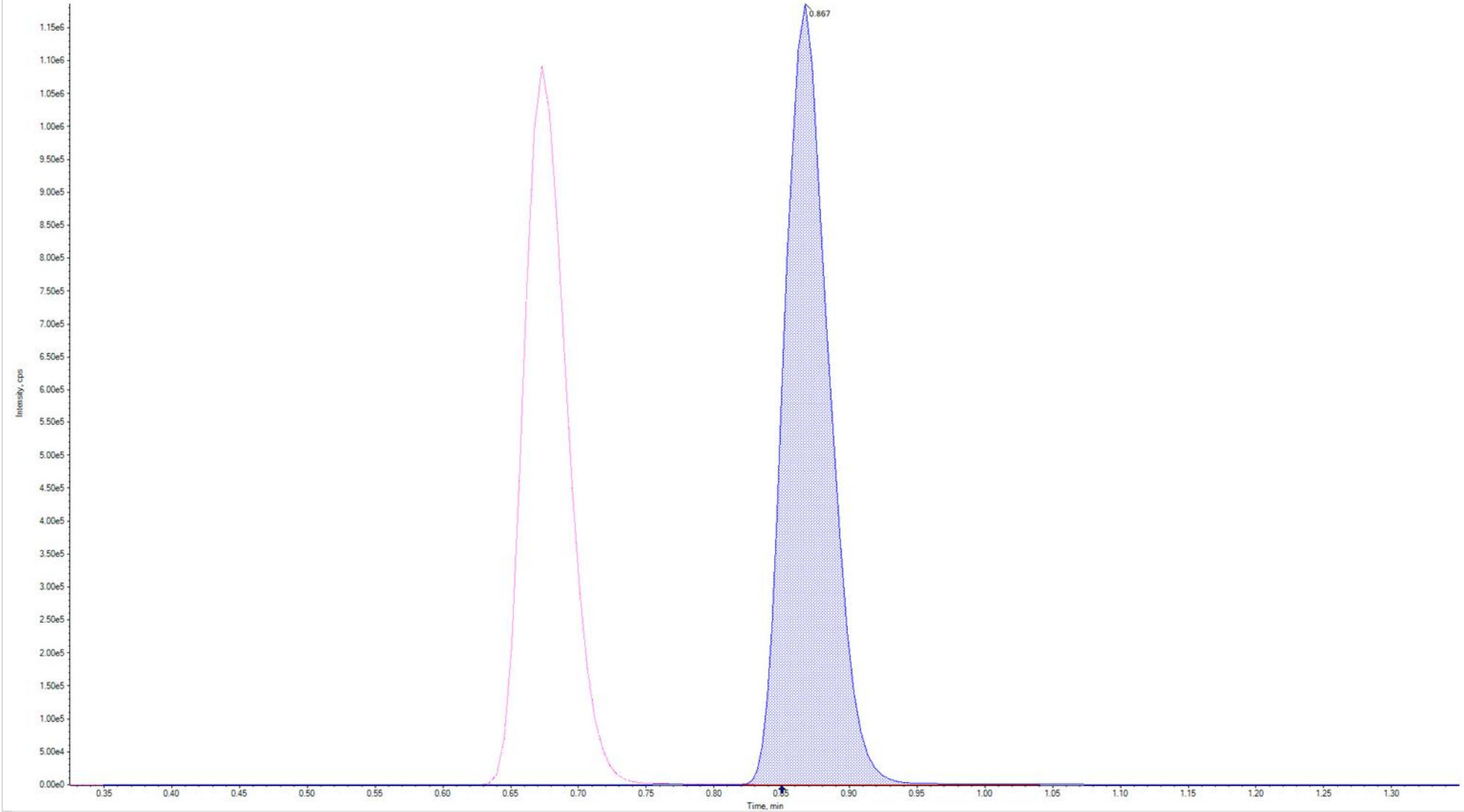
PFMPA
Sample: WG2011094-15,1633FMED S/N:16179.1 Points Across peak:54



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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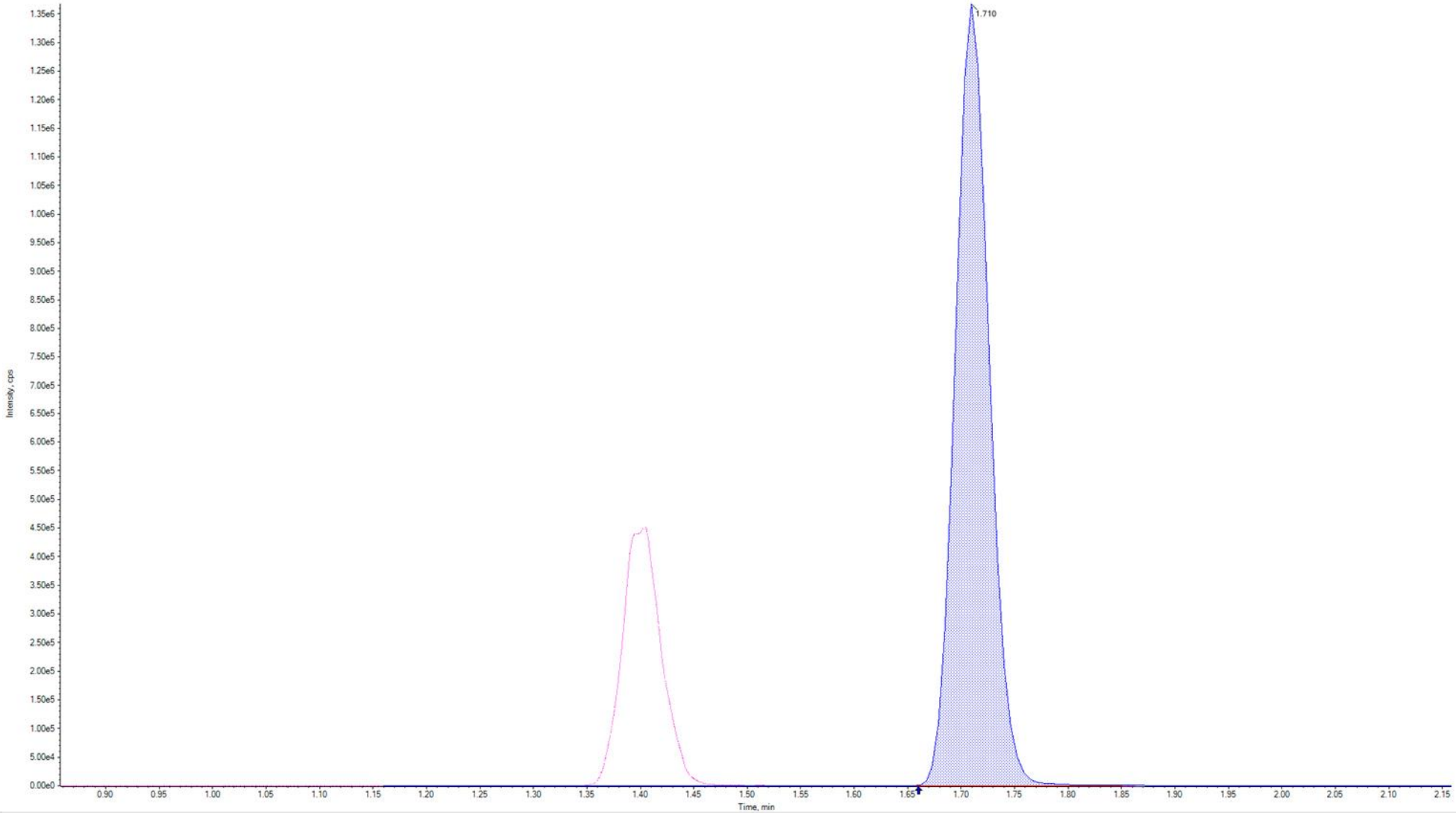
PFMBA
Sample: WG2011094-15,1633FMED S/N:61246.4 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 1:46:15 AM
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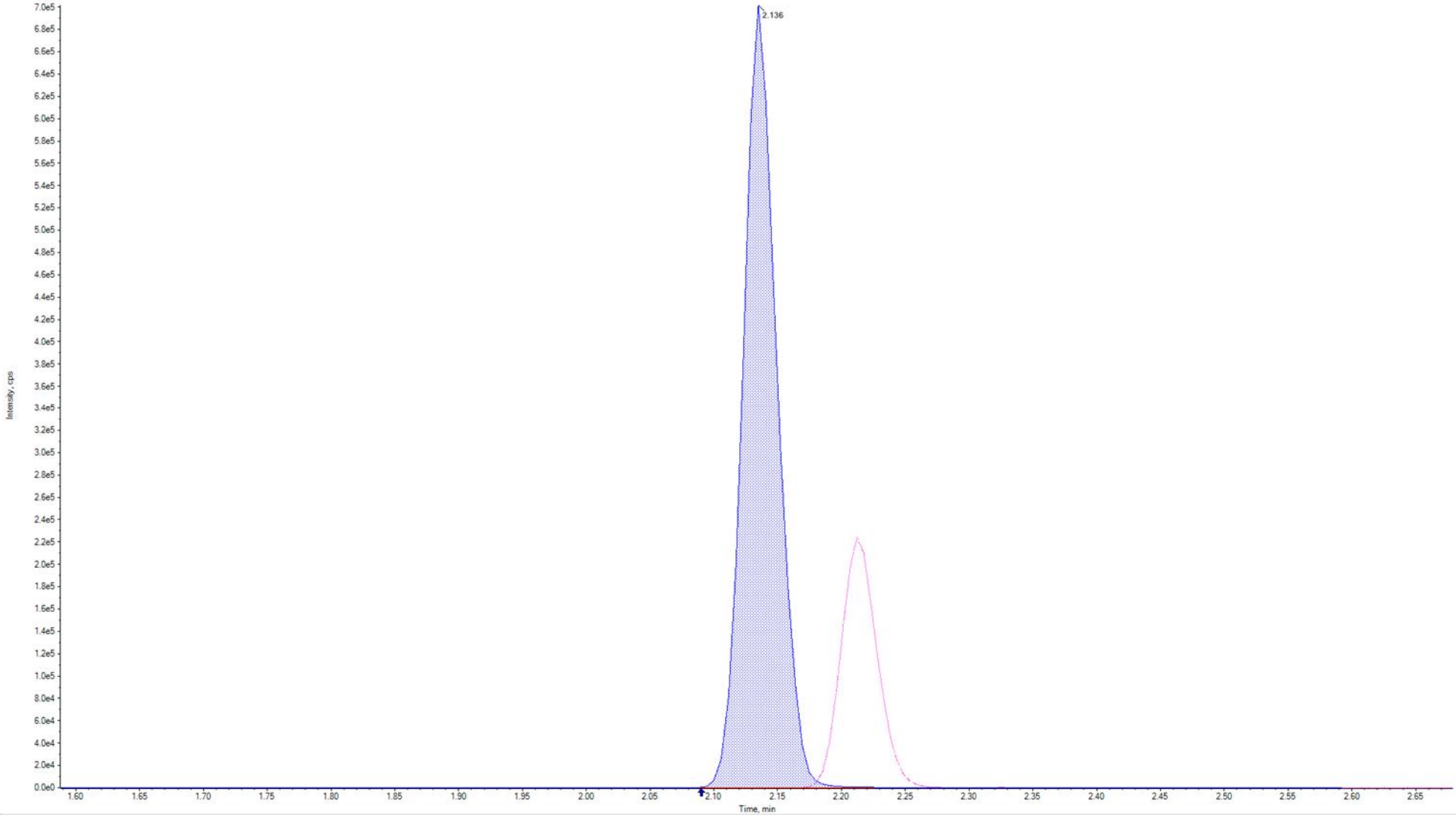
NFDHA
Sample: WG2011094-15,1633FMED S/N:8672.6 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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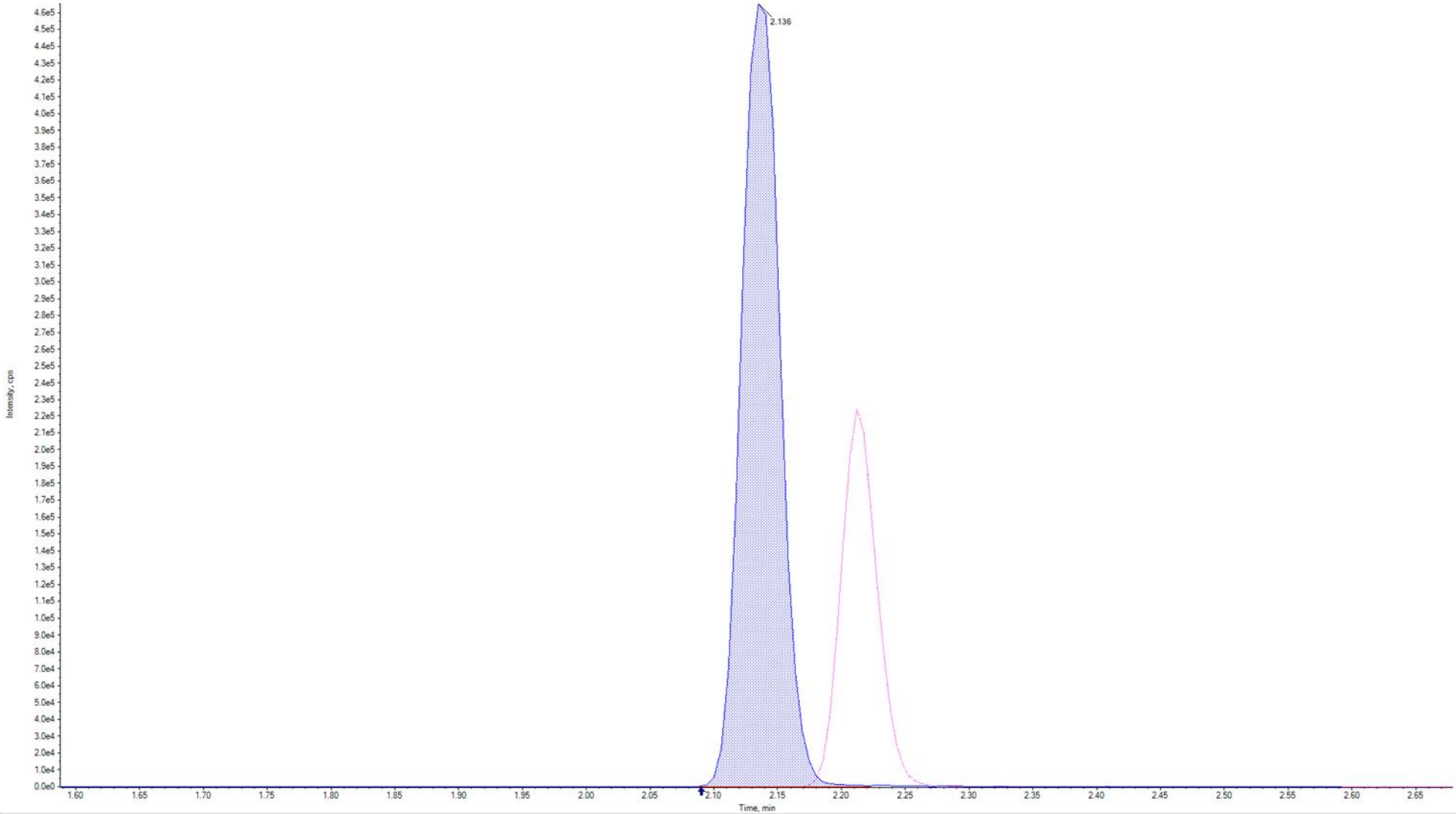
NFDHA_2
Sample: WG2011094-15,1633FMED S/N:12825.8 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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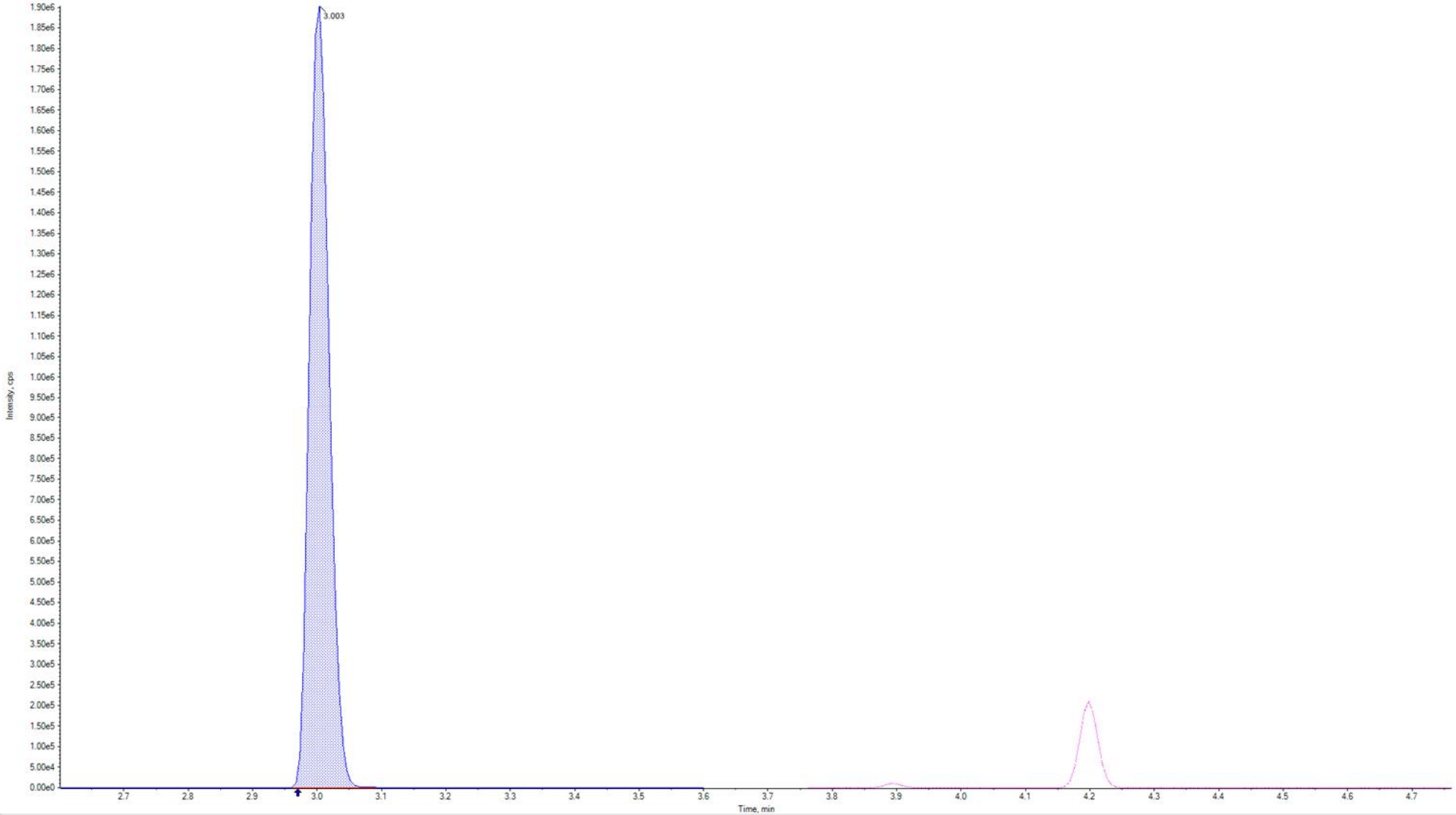
TDCA
Sample: WG2011094-15,1633FMED S/N:12898.6 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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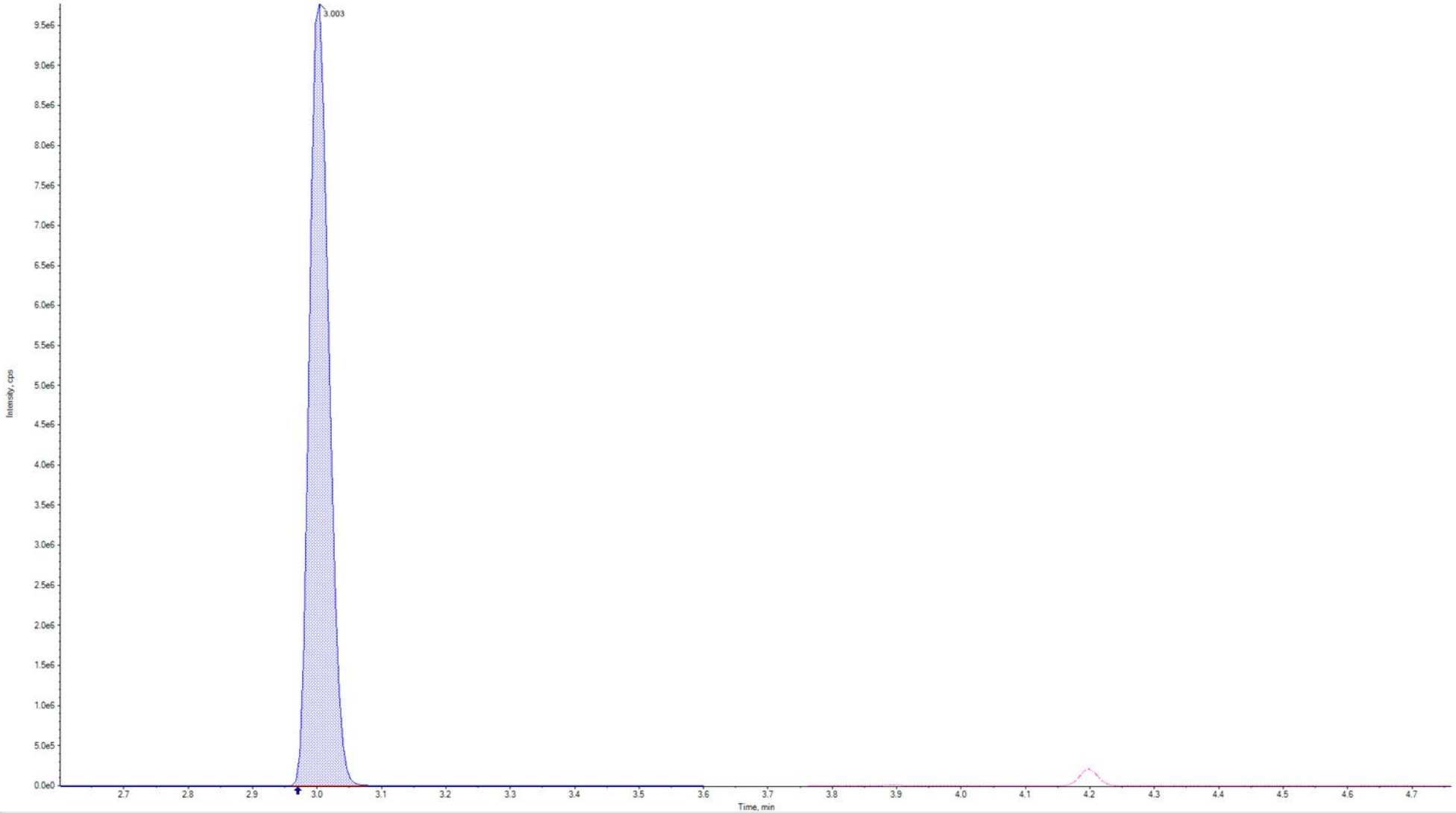
TDCA_2
Sample: WG2011094-15,1633FMED S/N:10726.4 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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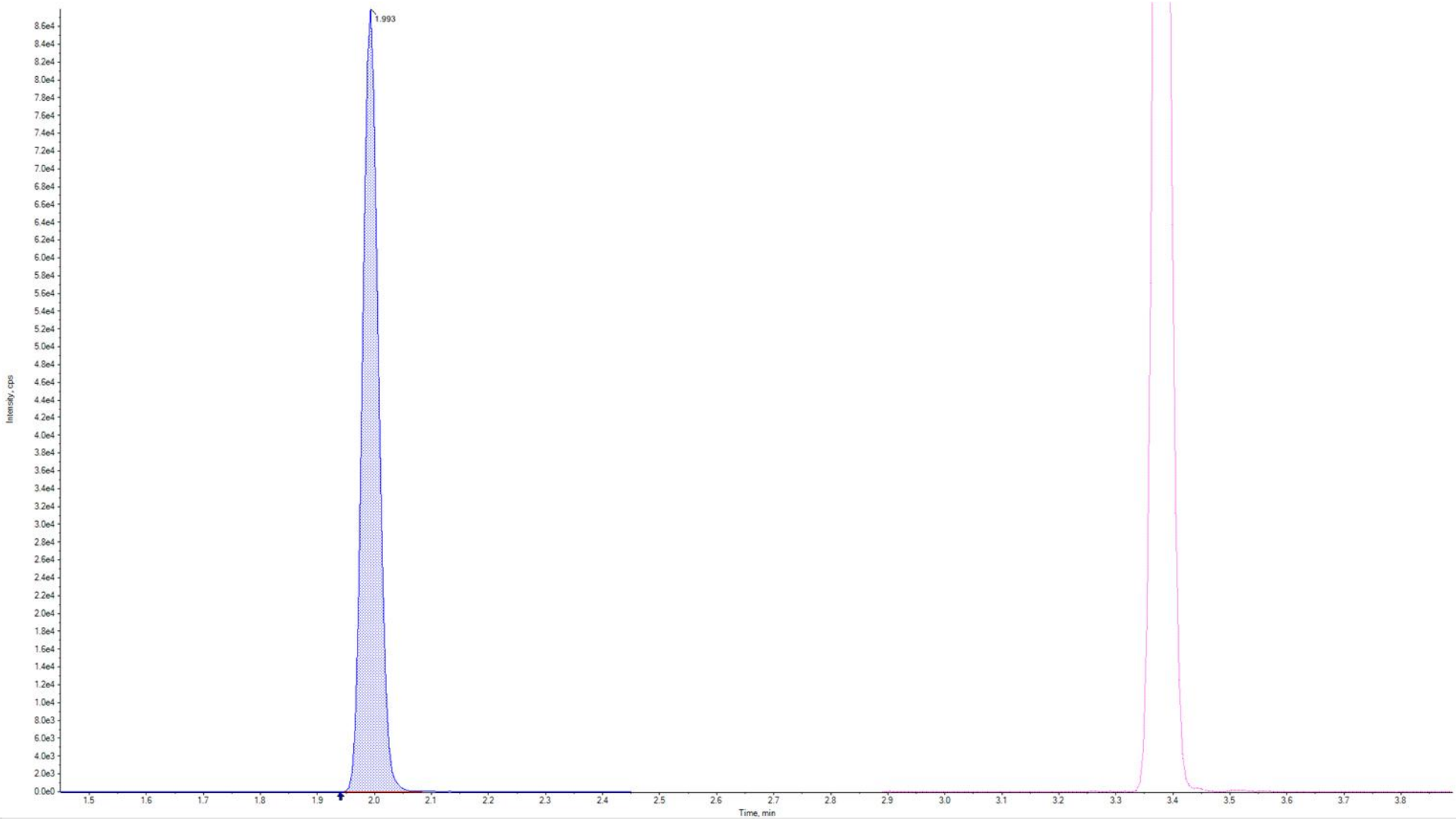
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

13C2D4-4:2FTS
Sample: WG2011094-15,1633FMED S/N:3306.3 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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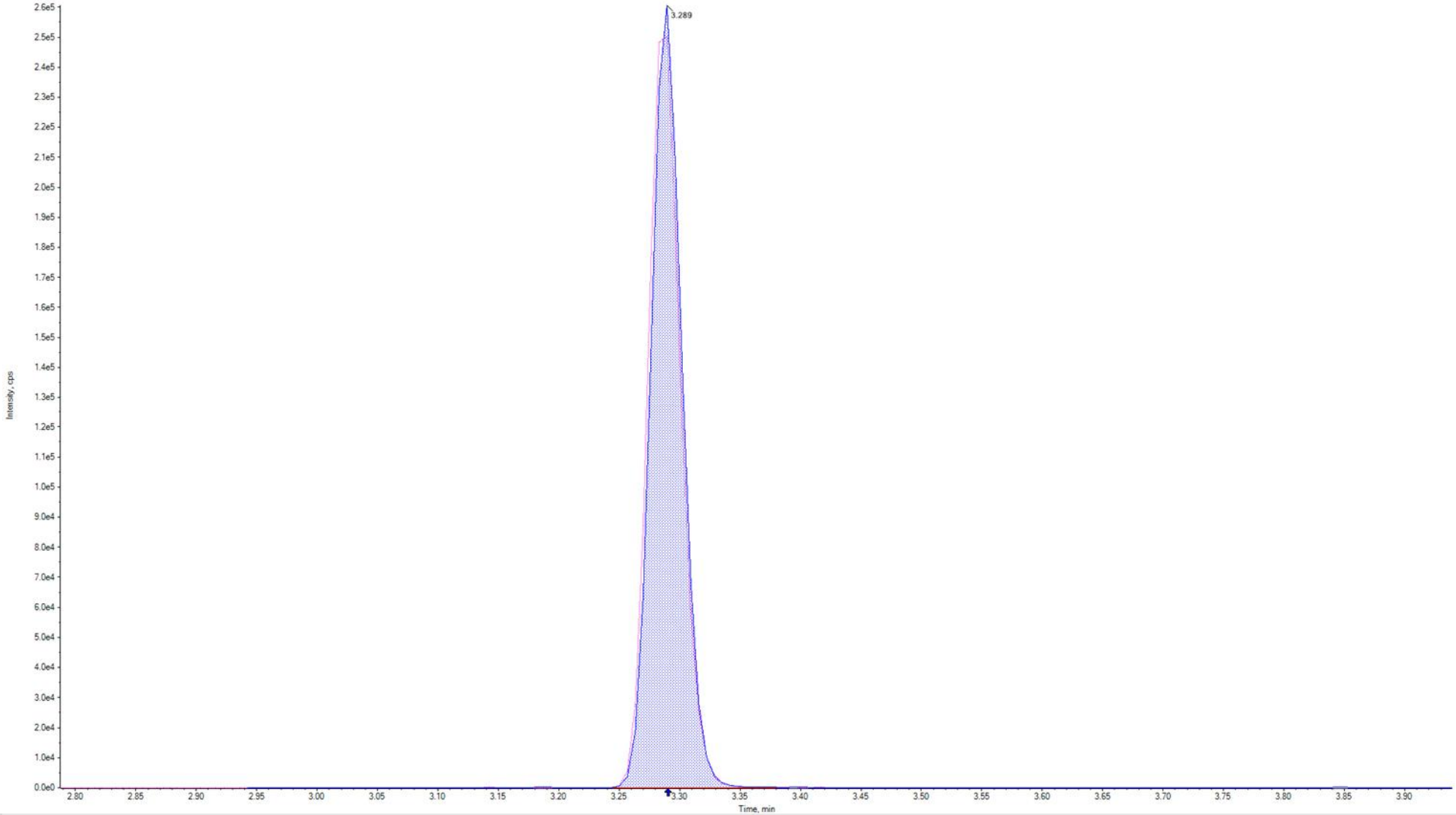
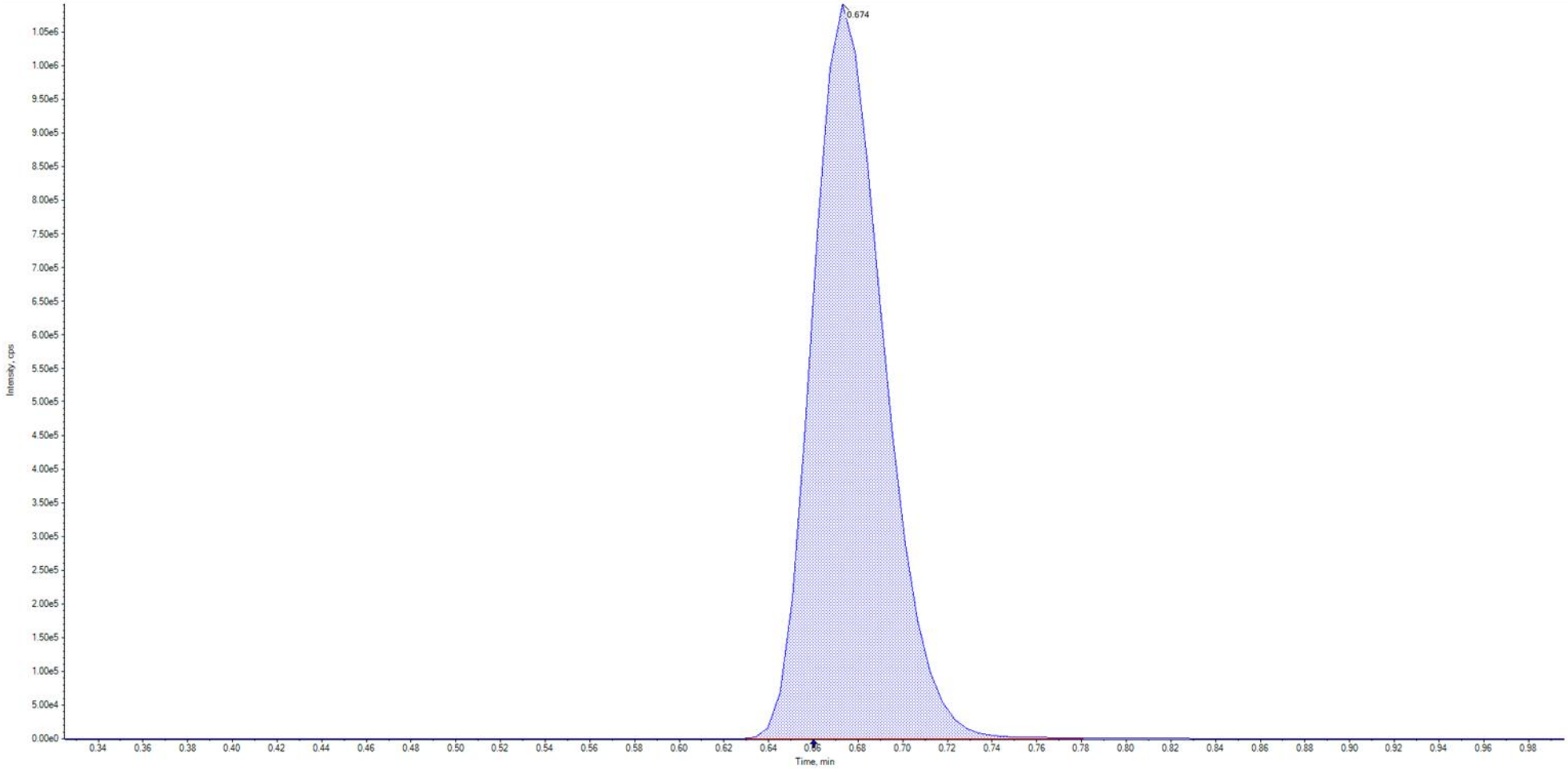
13C2-PFOA
Sample: WG2011094-15,1633FMED S/N:4517.1 Points Across peak:26



13C4-PFBA
Sample: WG2011094-15,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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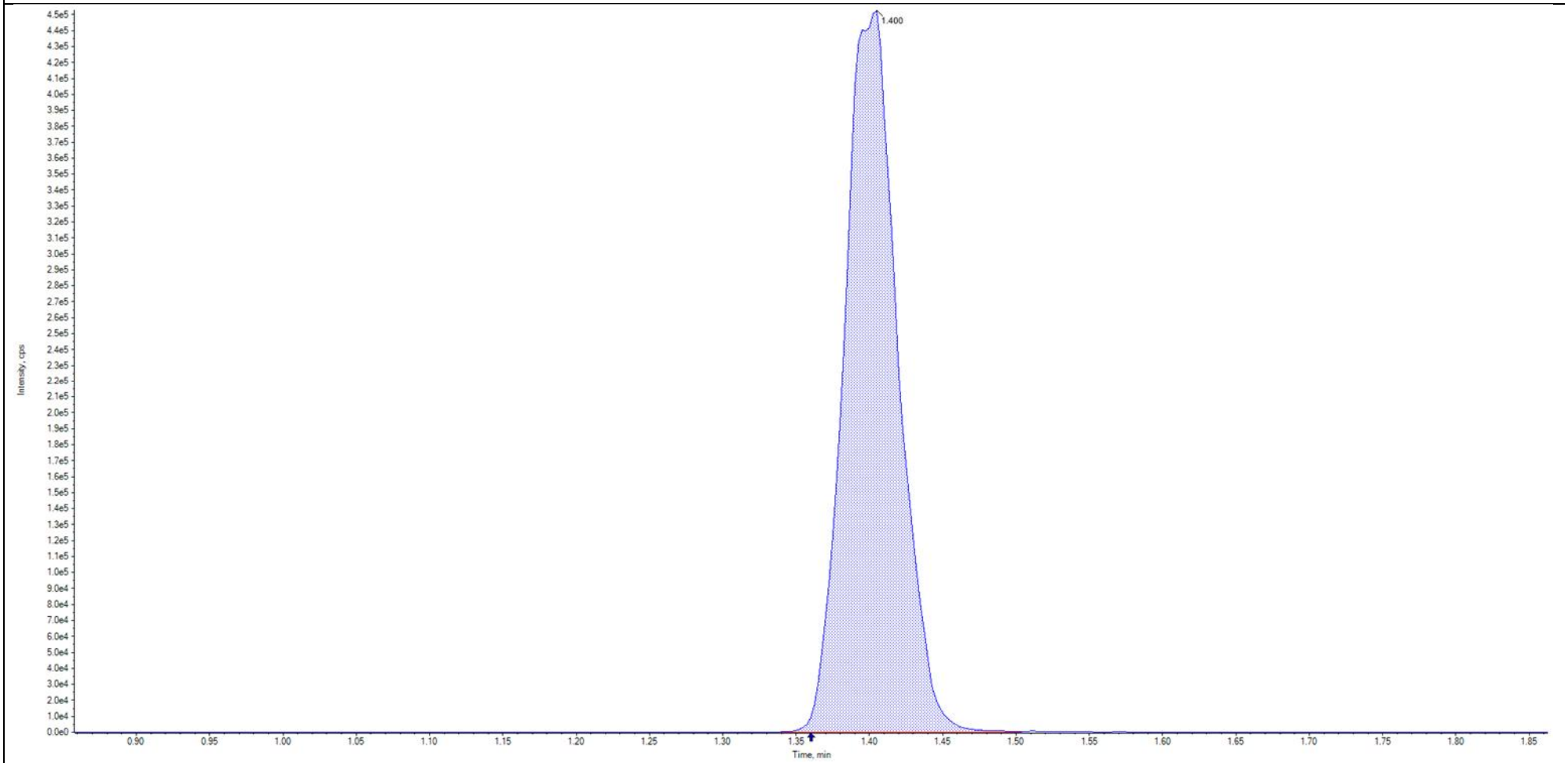
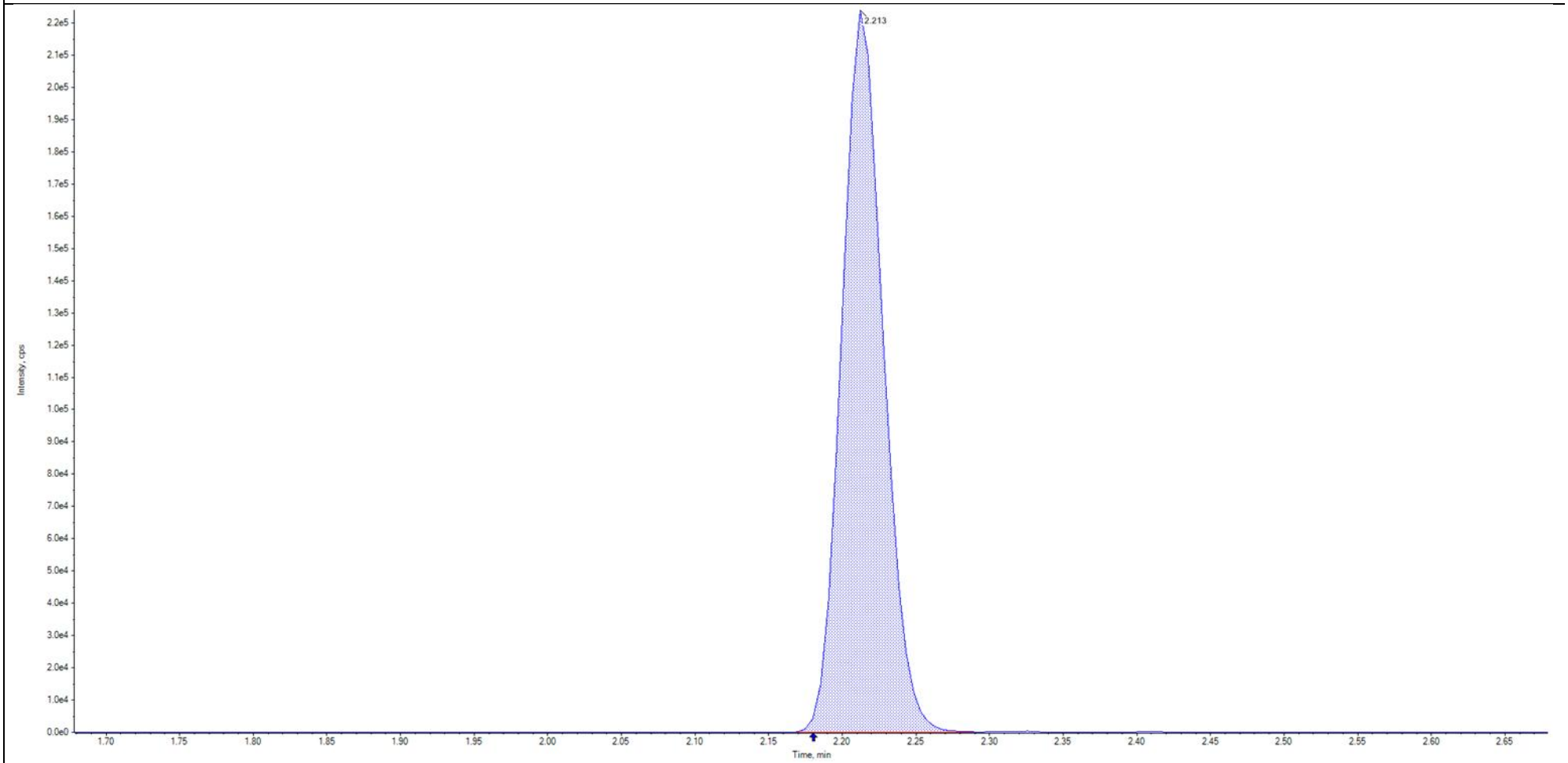
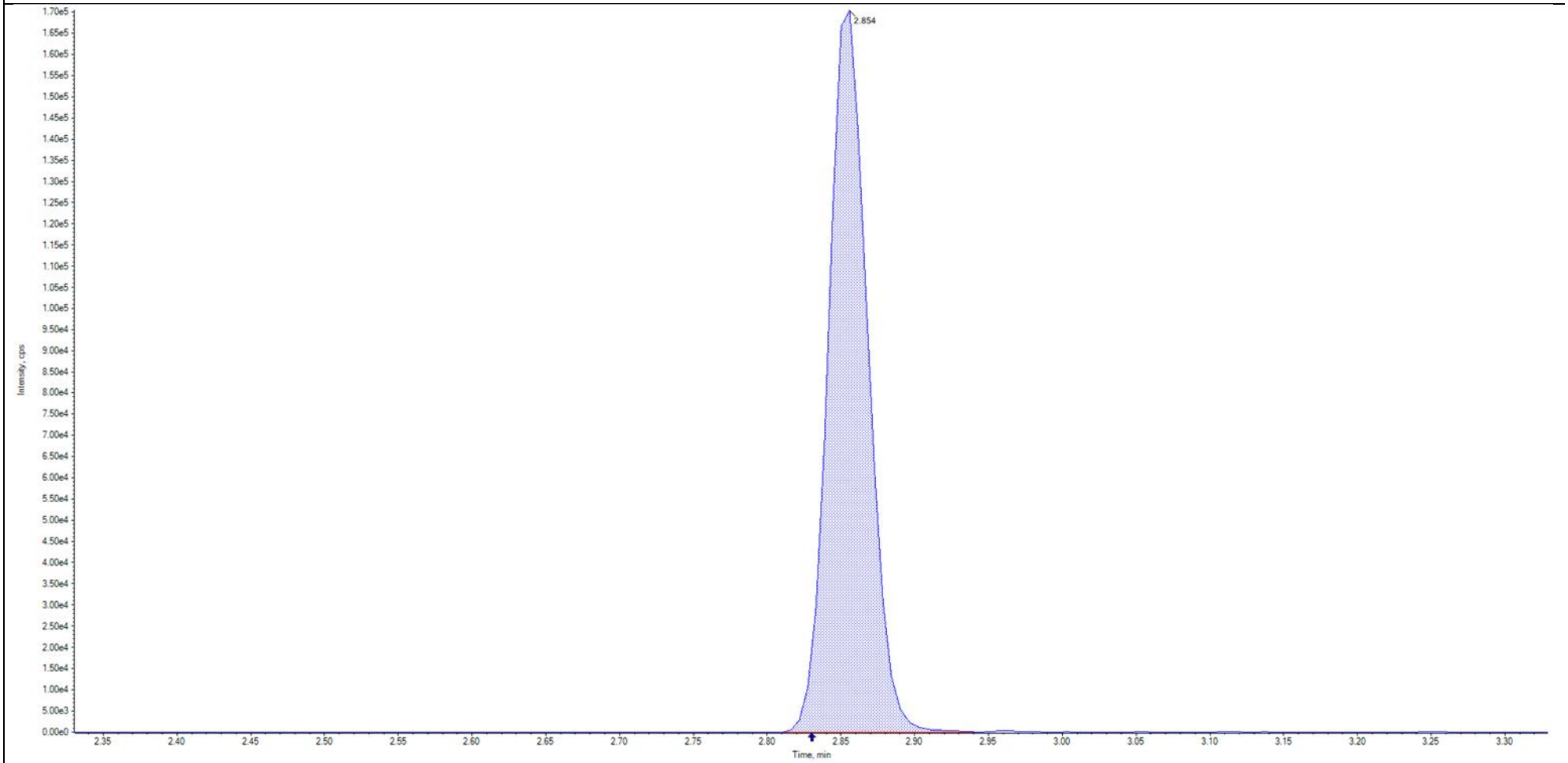
13C5-PFPeA
Sample: WG2011094-15,1633FMED



13C5-PFHxA
Sample: WG2011094-15,1633FMED



13C4-PFHpA
Sample: WG2011094-15,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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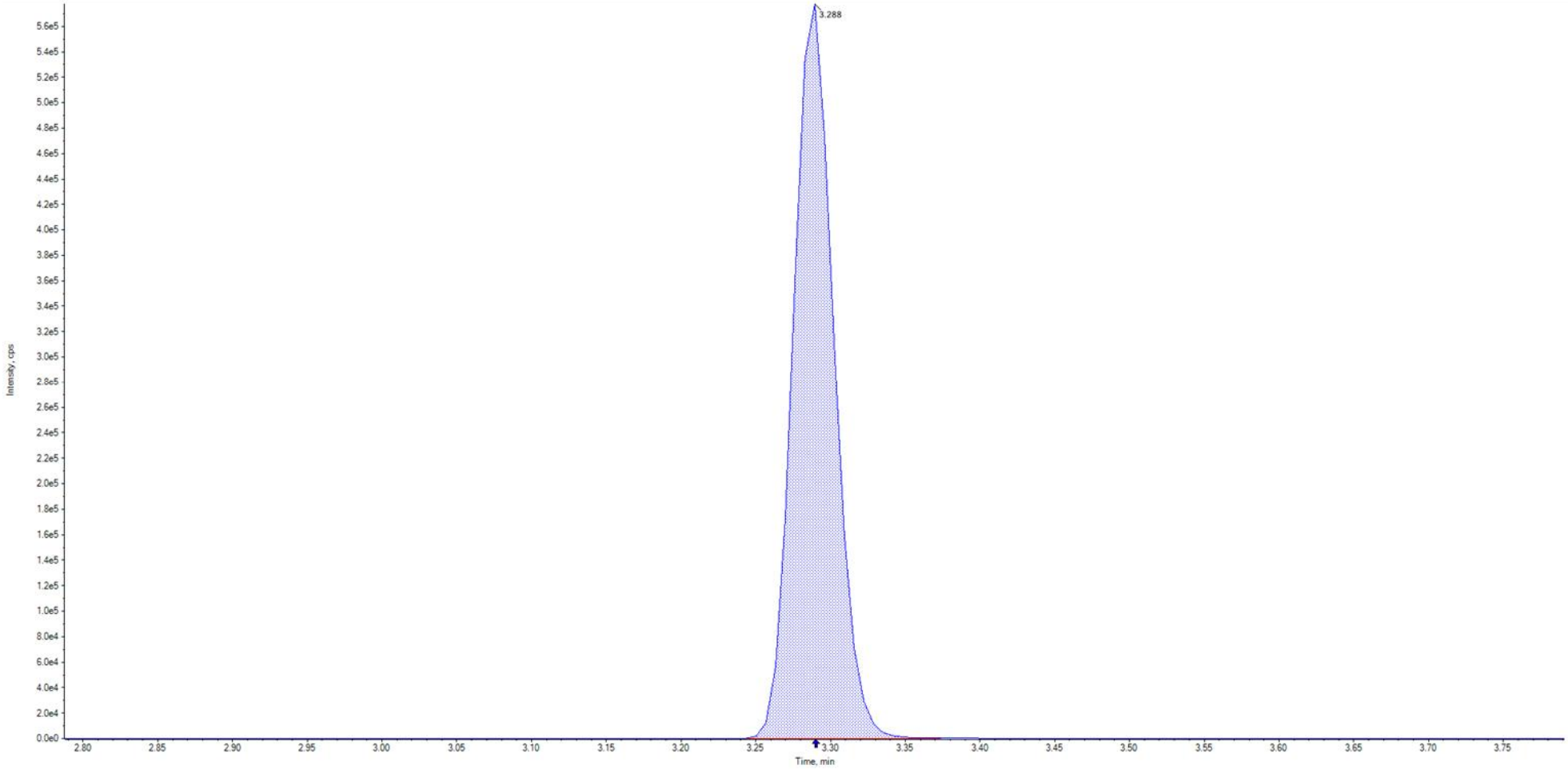
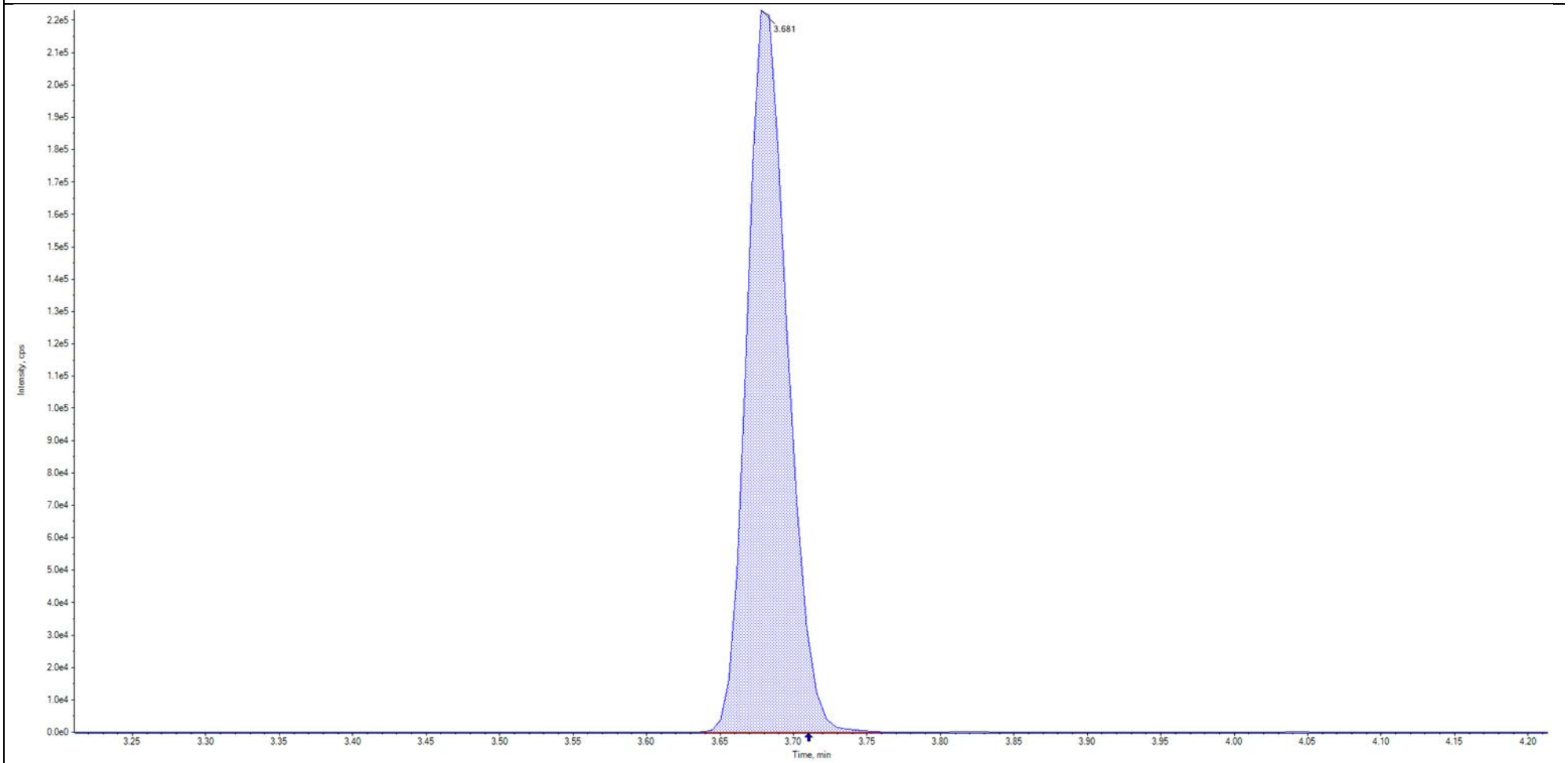
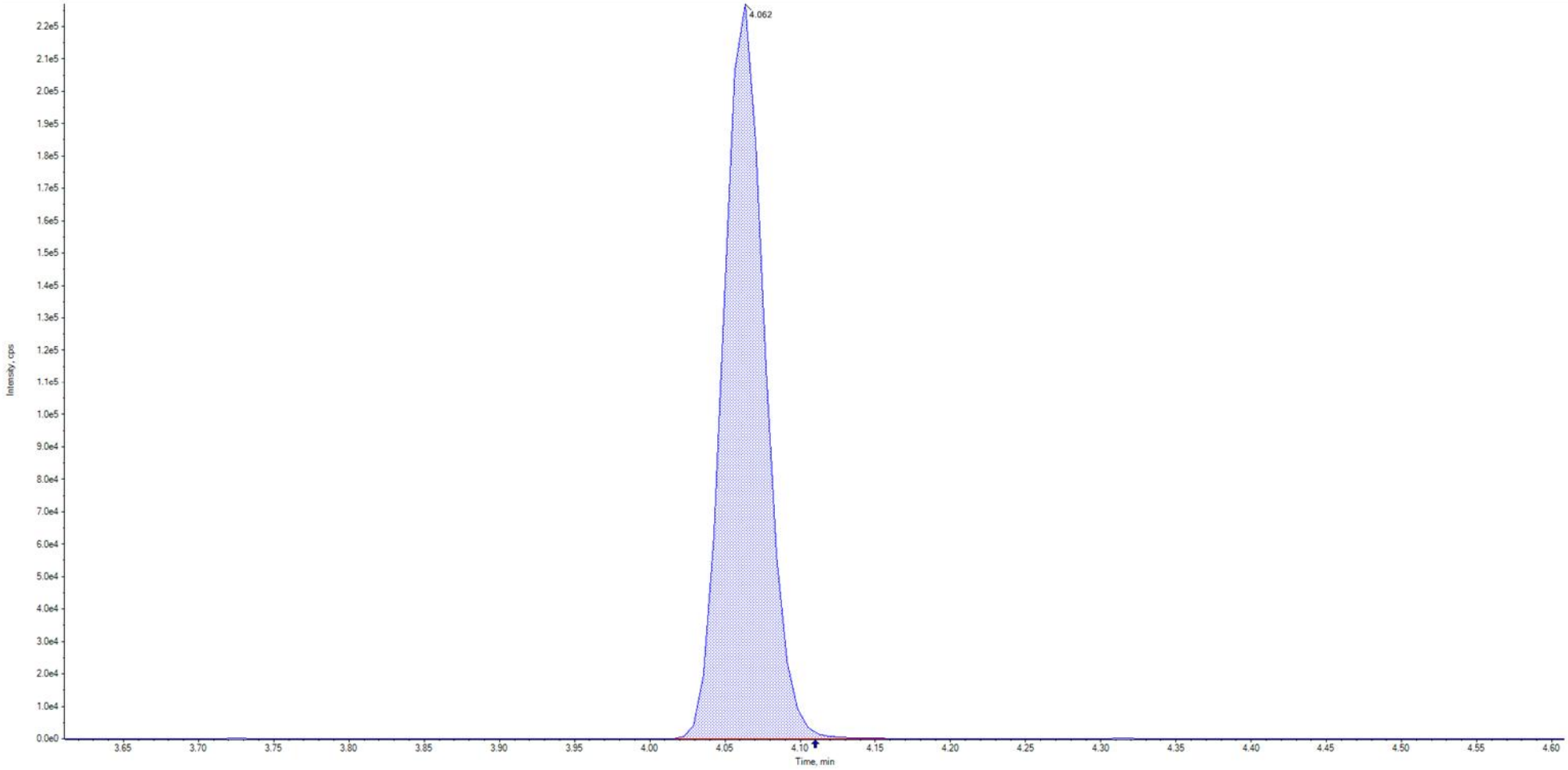
13C8-PFOA
Sample: WG2011094-15,1633FMED



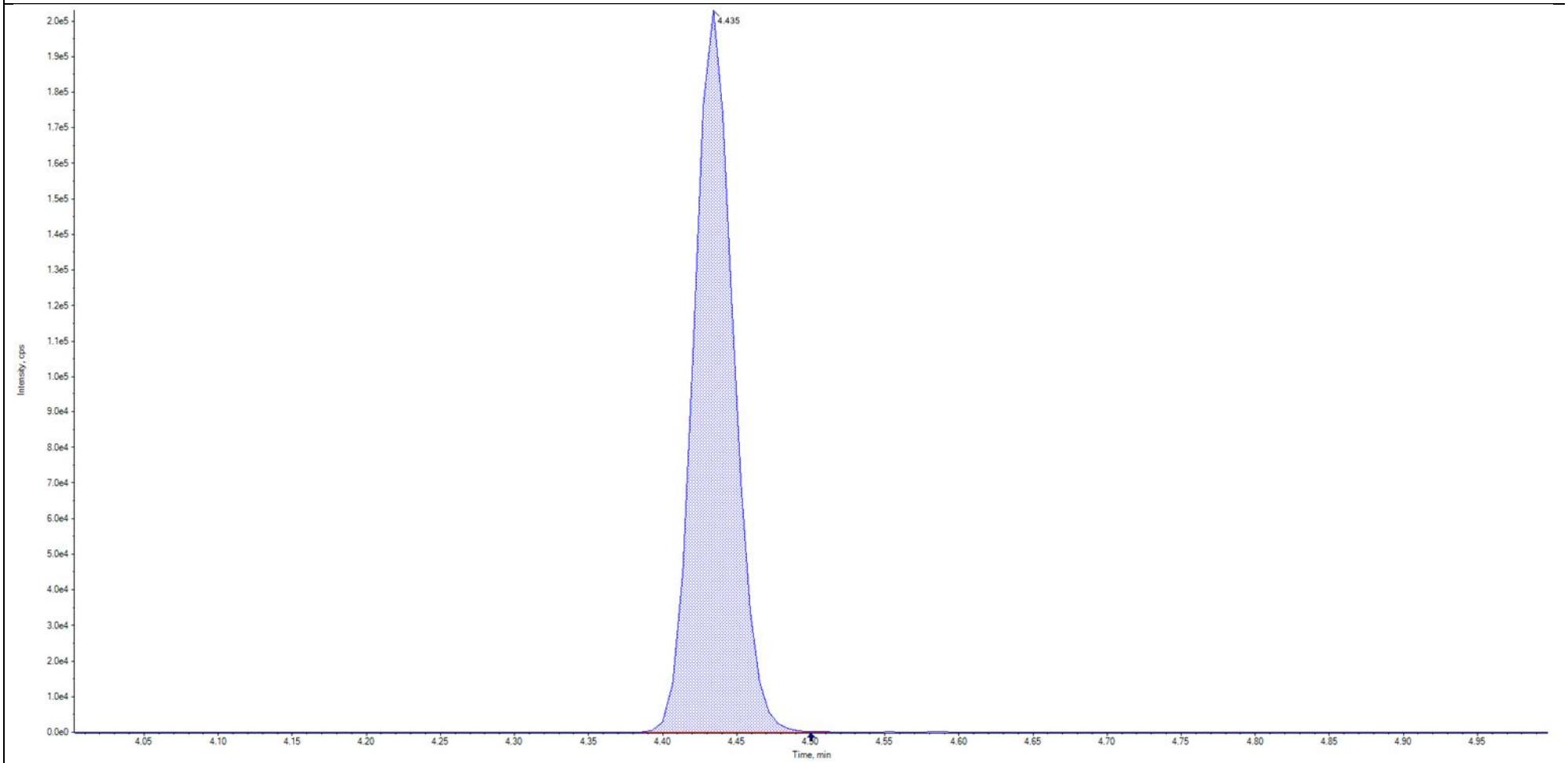
13C9-PFNA
Sample: WG2011094-15,1633FMED



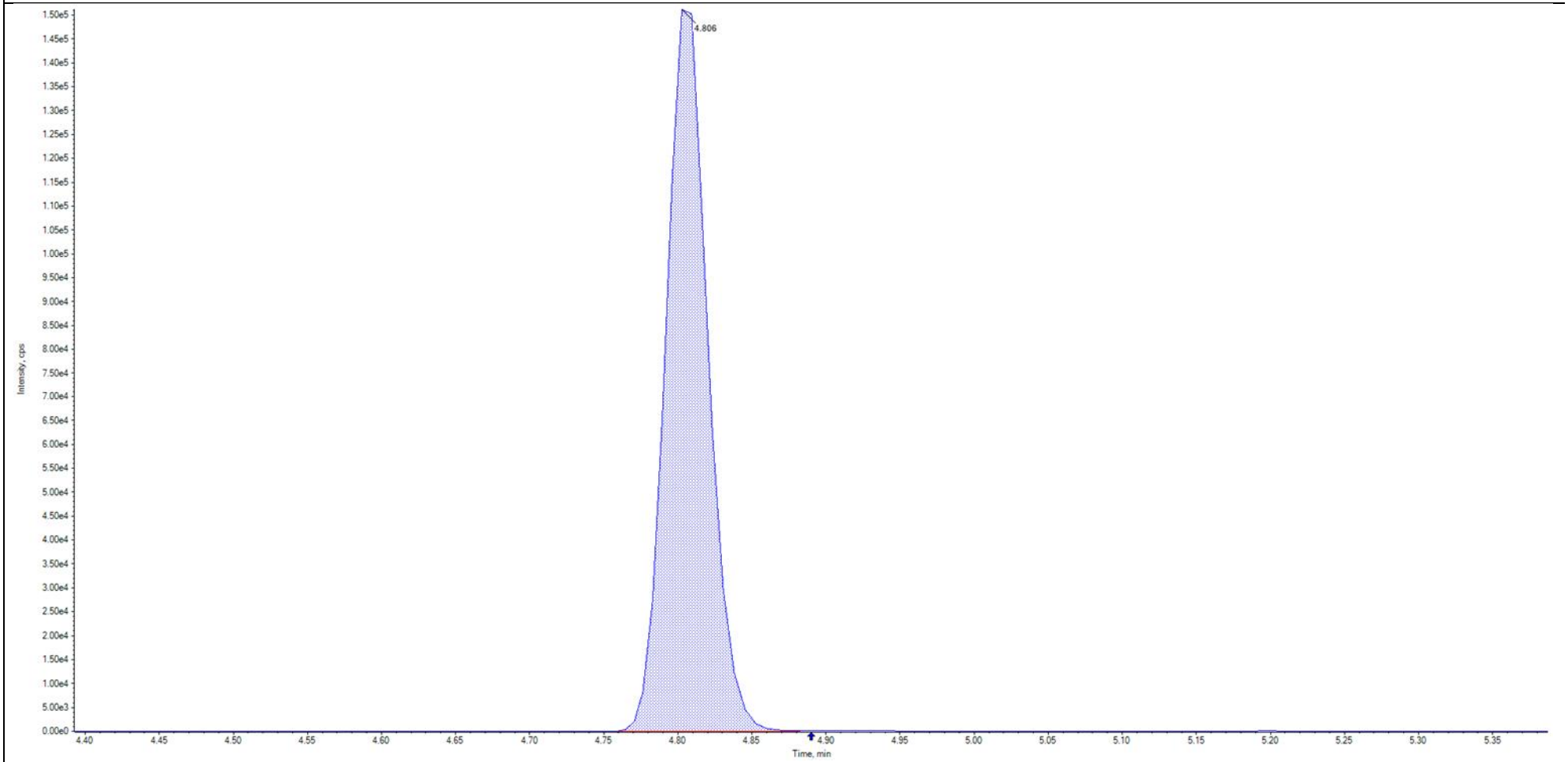
13C6-PFDA
Sample: WG2011094-15,1633FMED



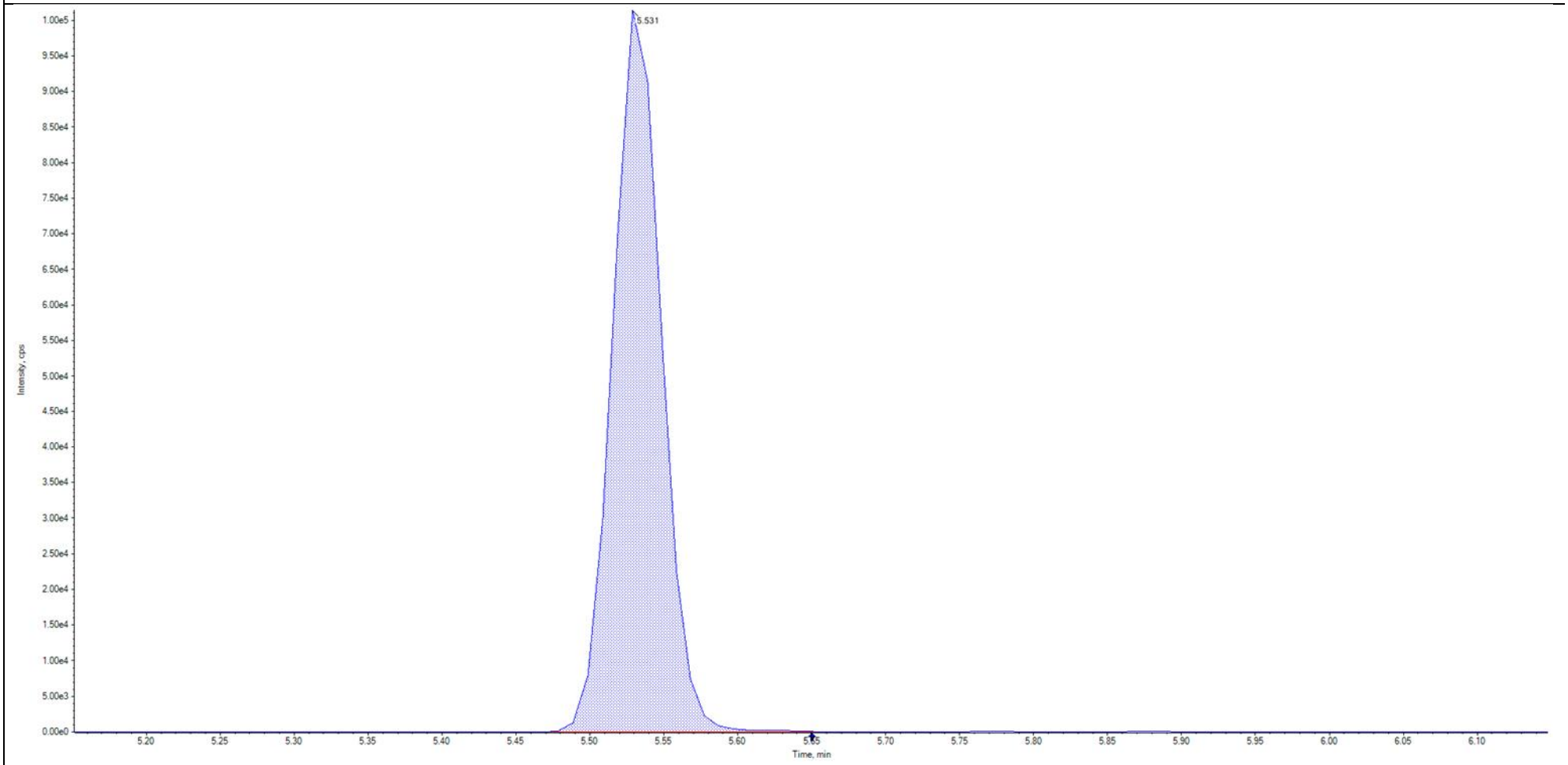
13C7-PFUnA
Sample: WG2011094-15,1633FMED



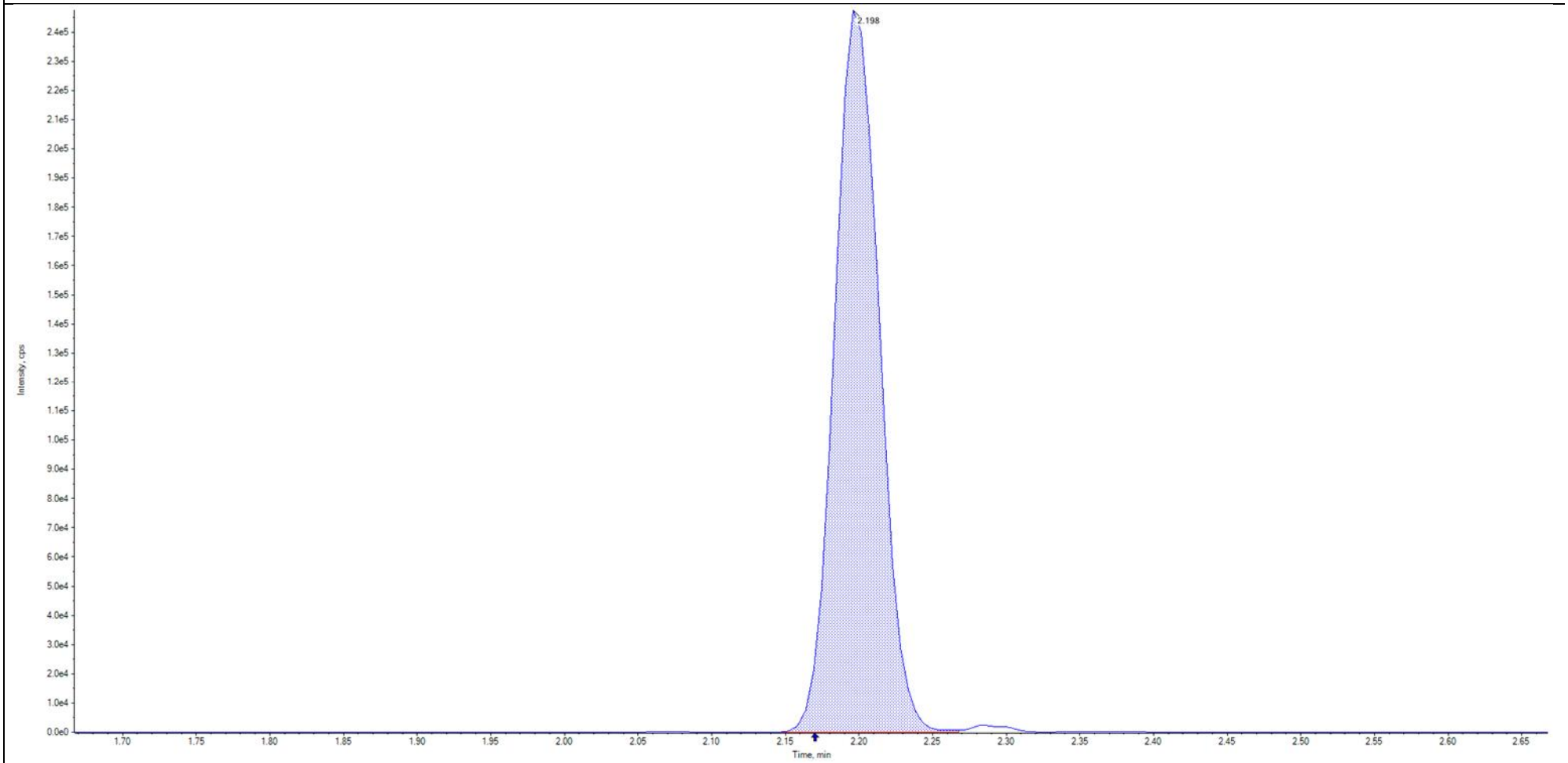
13C2-PFDoA
Sample: WG2011094-15,1633FMED



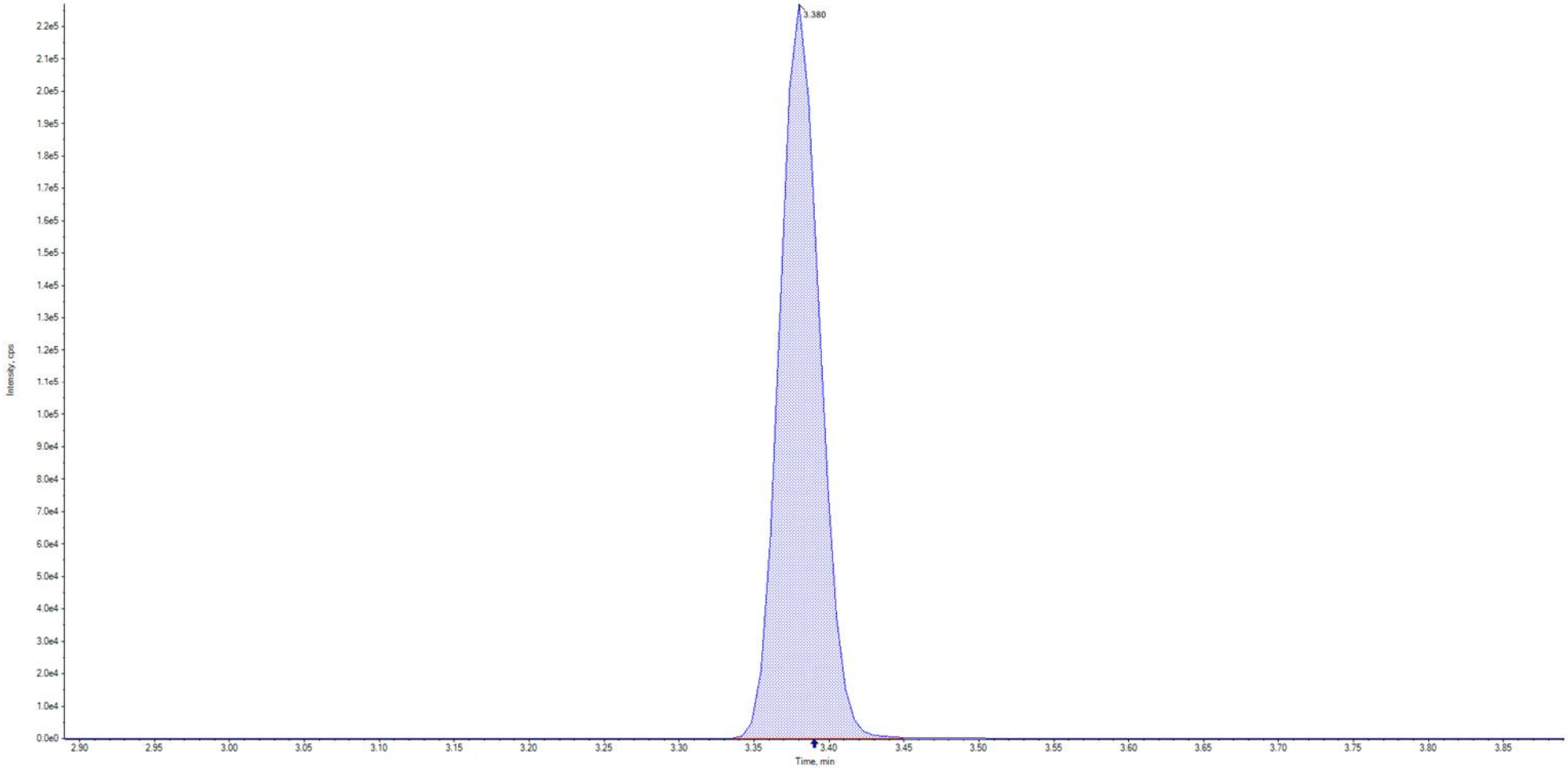
13C2-PFTeDA
Sample: WG2011094-15,1633FMED



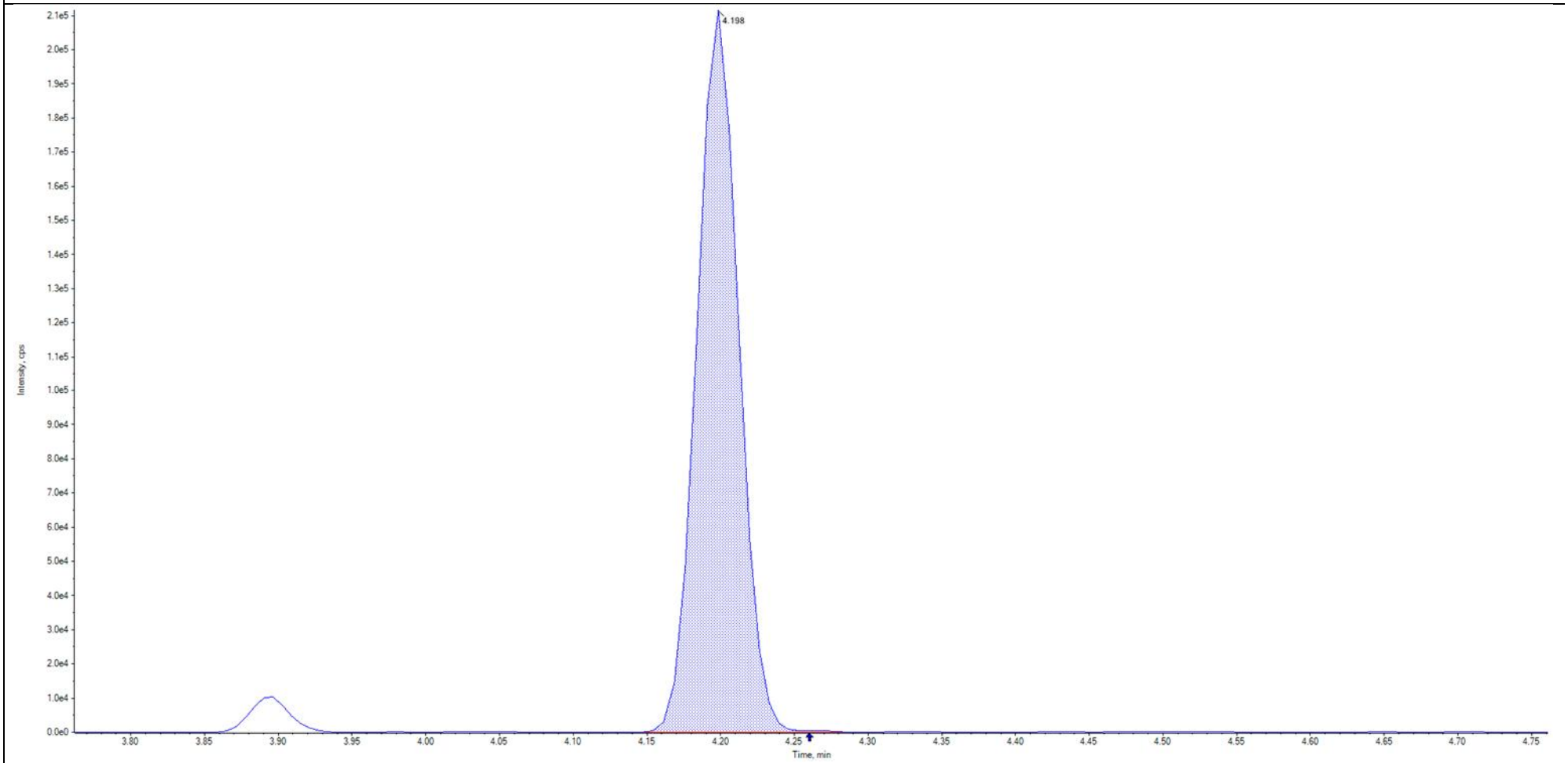
13C3-PFBS
Sample: WG2011094-15,1633FMED



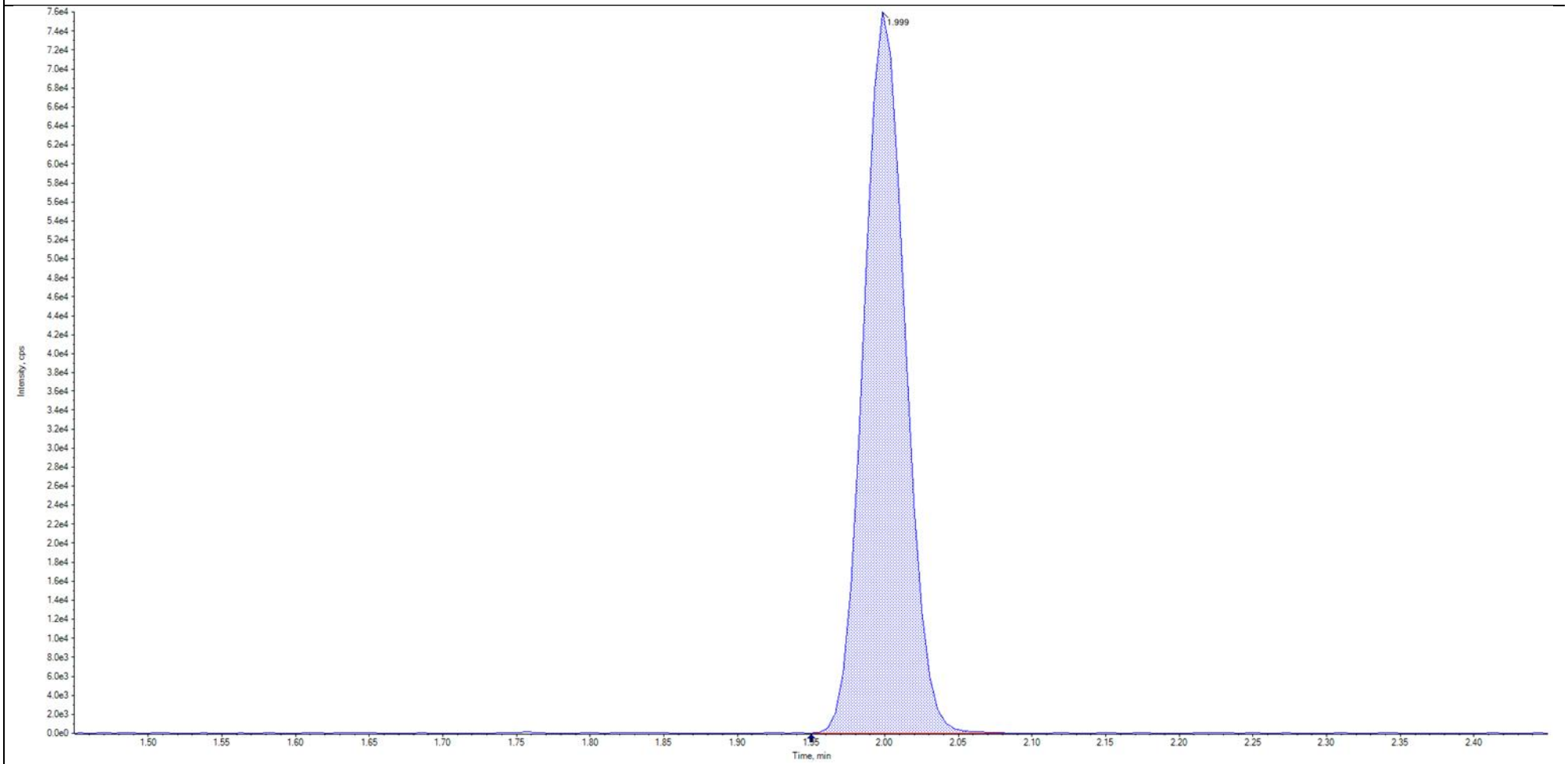
13C3-PFHxS
Sample: WG2011094-15,1633FMED



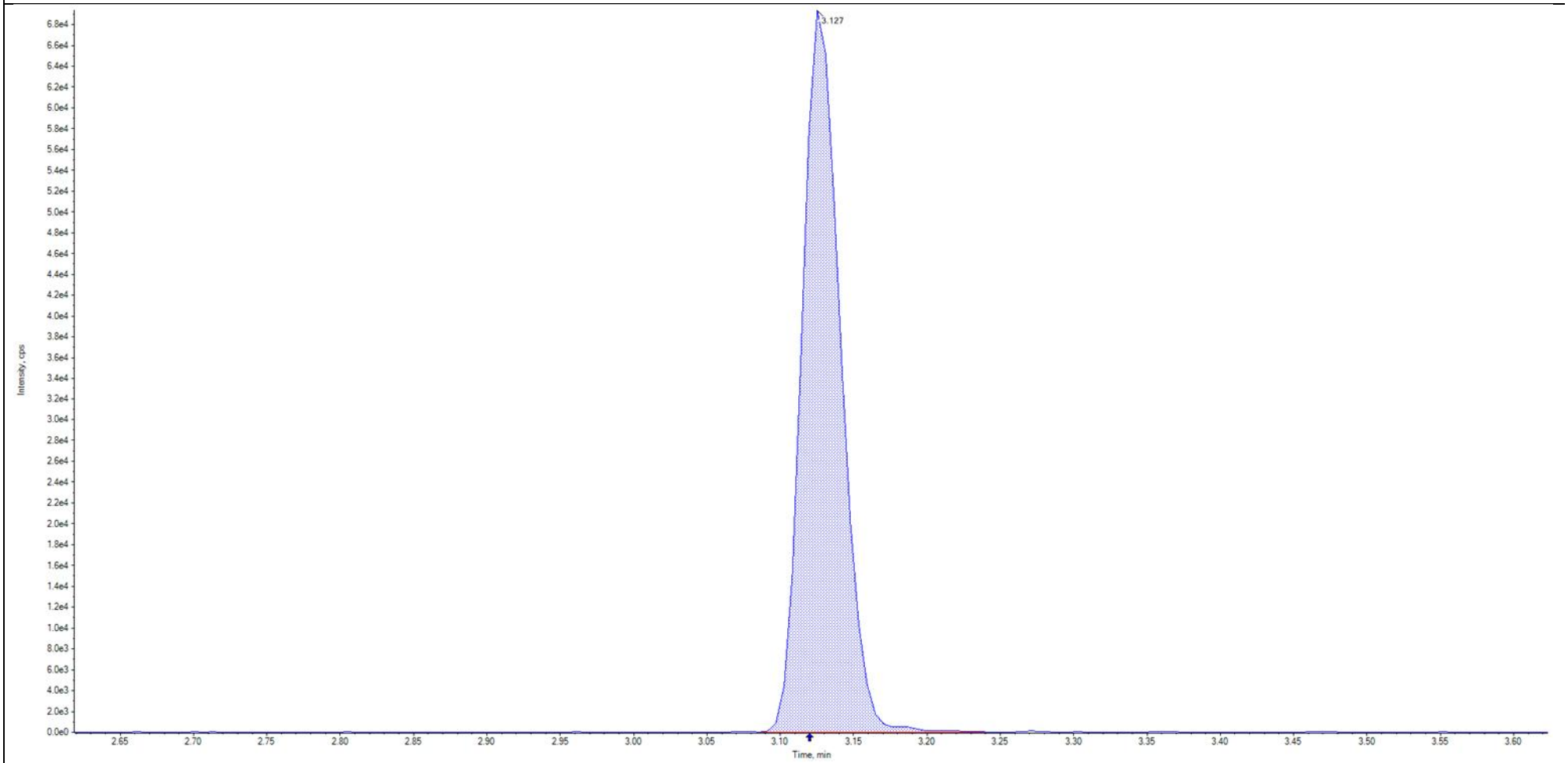
13C8-PFOS
Sample: WG2011094-15,1633FMED



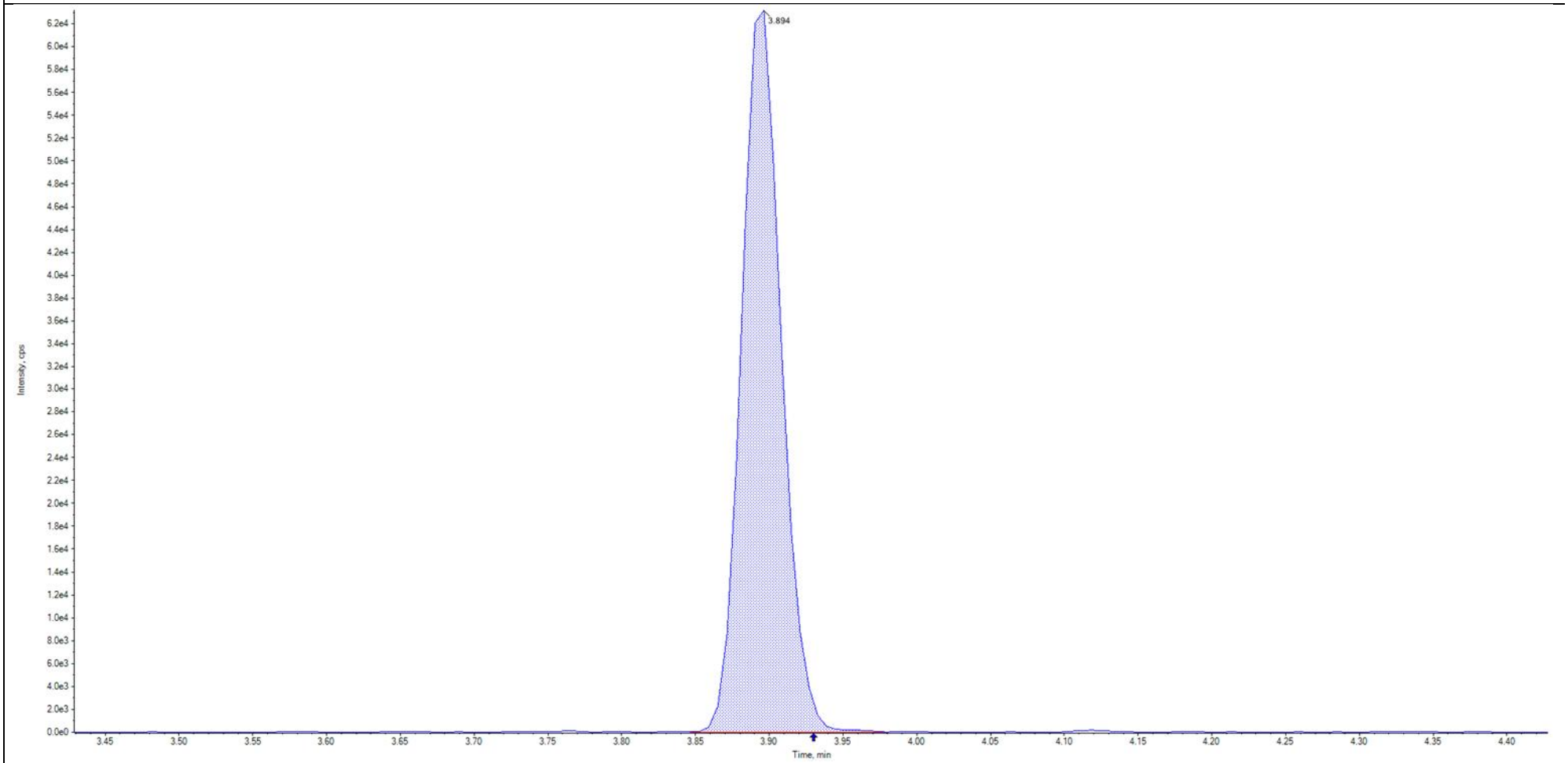
13C2-4:2FTS
Sample: WG2011094-15,1633FMED



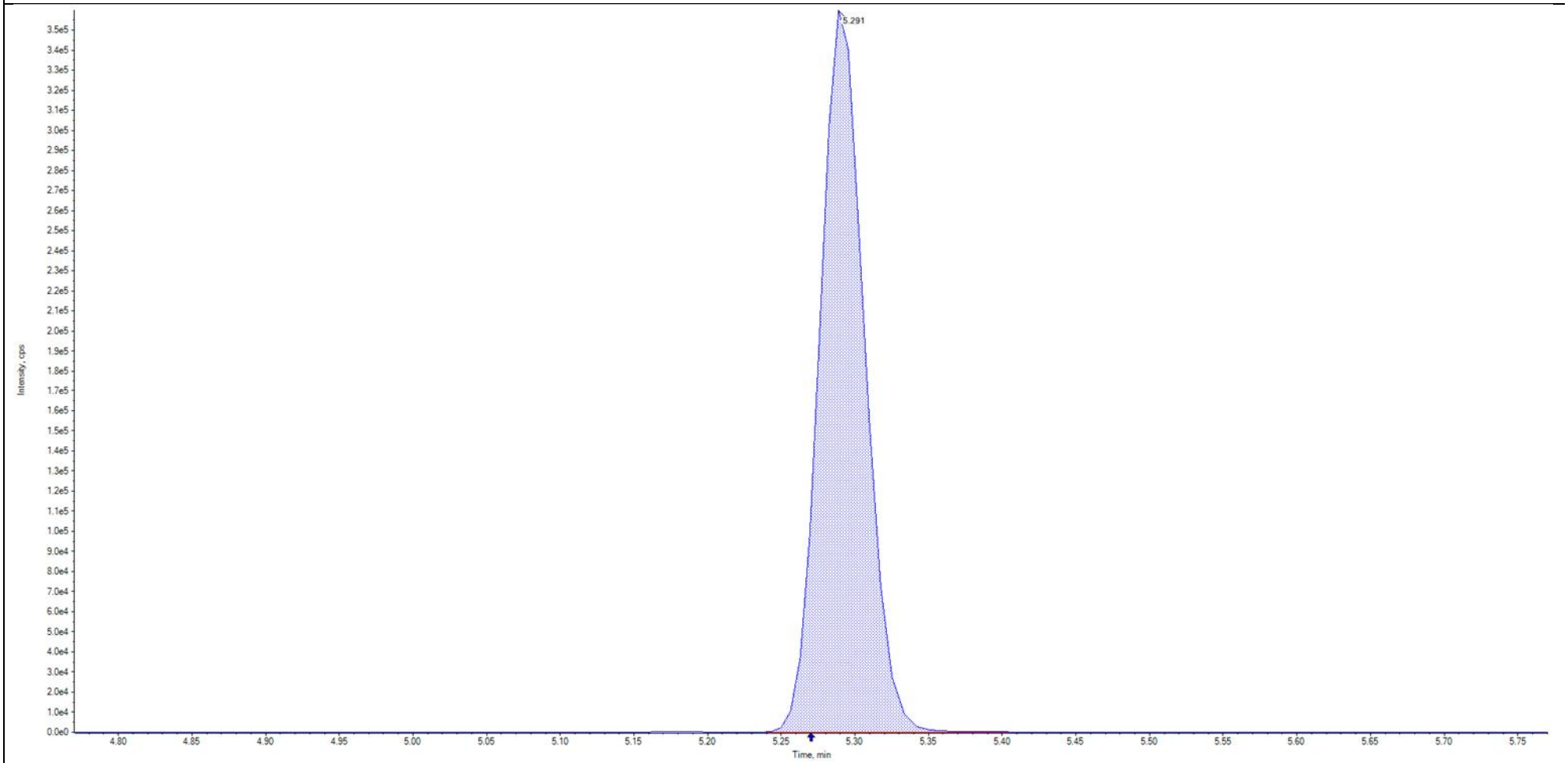
13C2-6:2FTS
Sample: WG2011094-15,1633FMED



13C2-8:2FTS
Sample: WG2011094-15,1633FMED



13C8-PFOSA
Sample: WG2011094-15,1633FMED



d3-NMeFOSA
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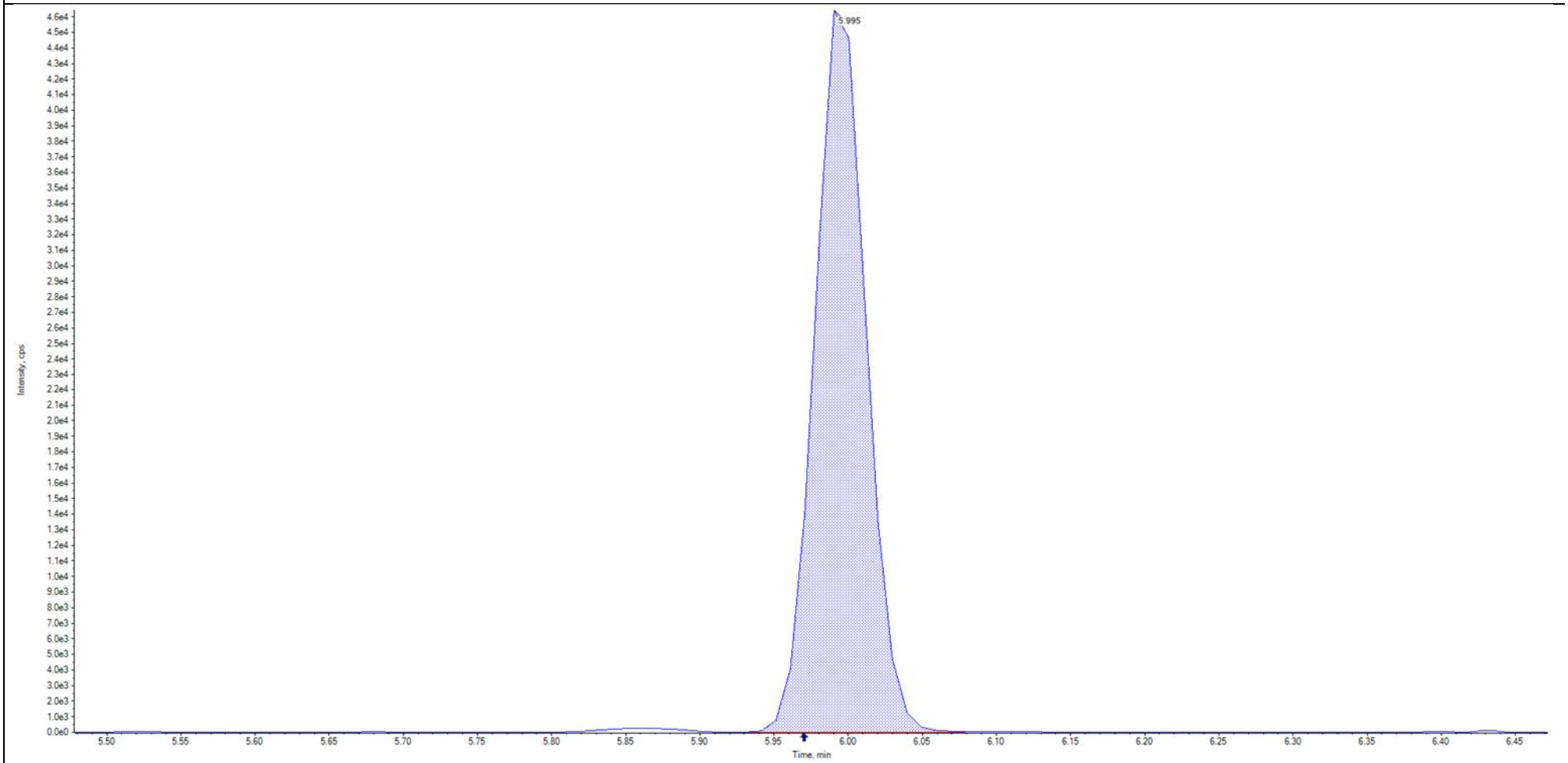
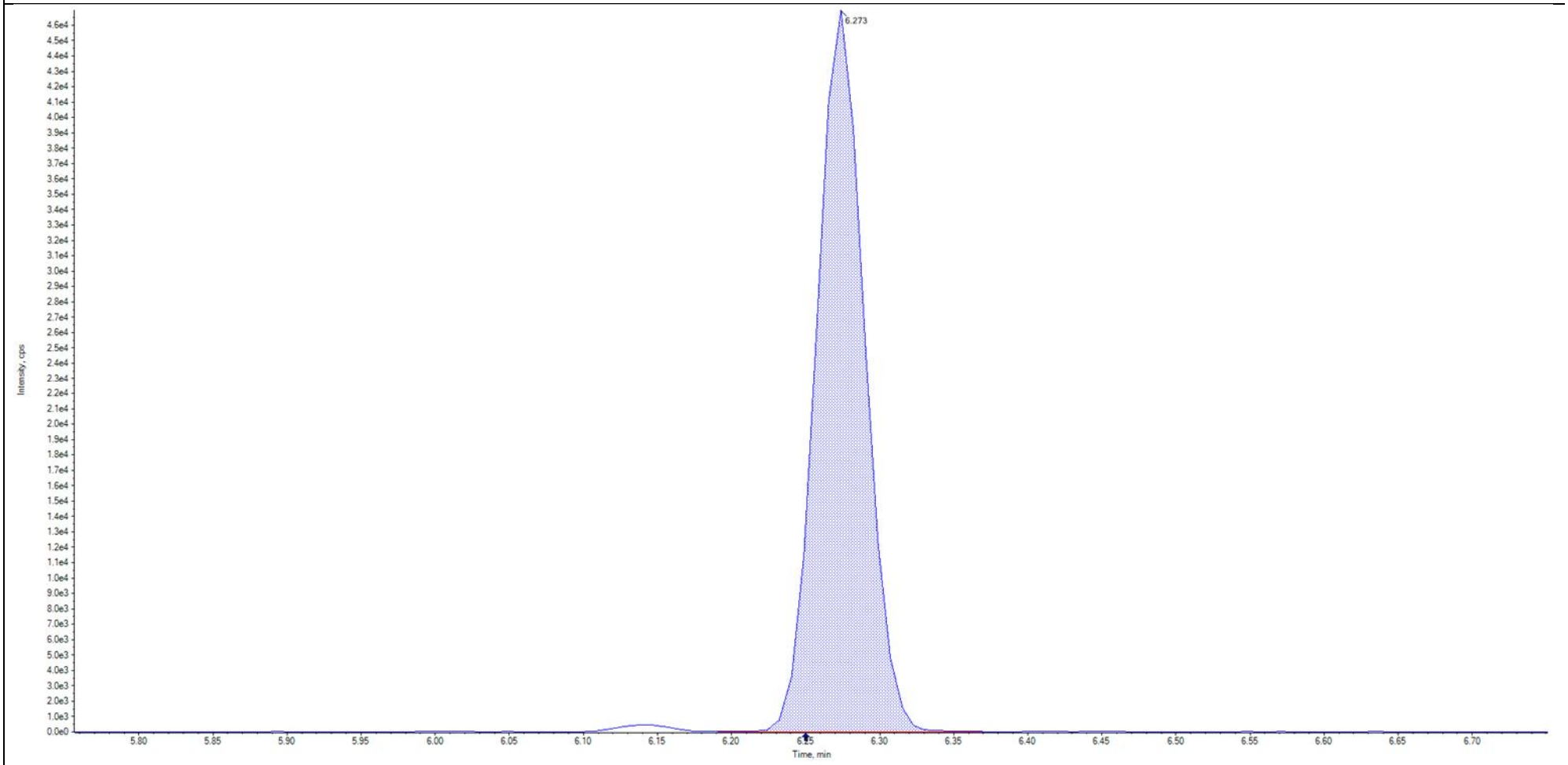
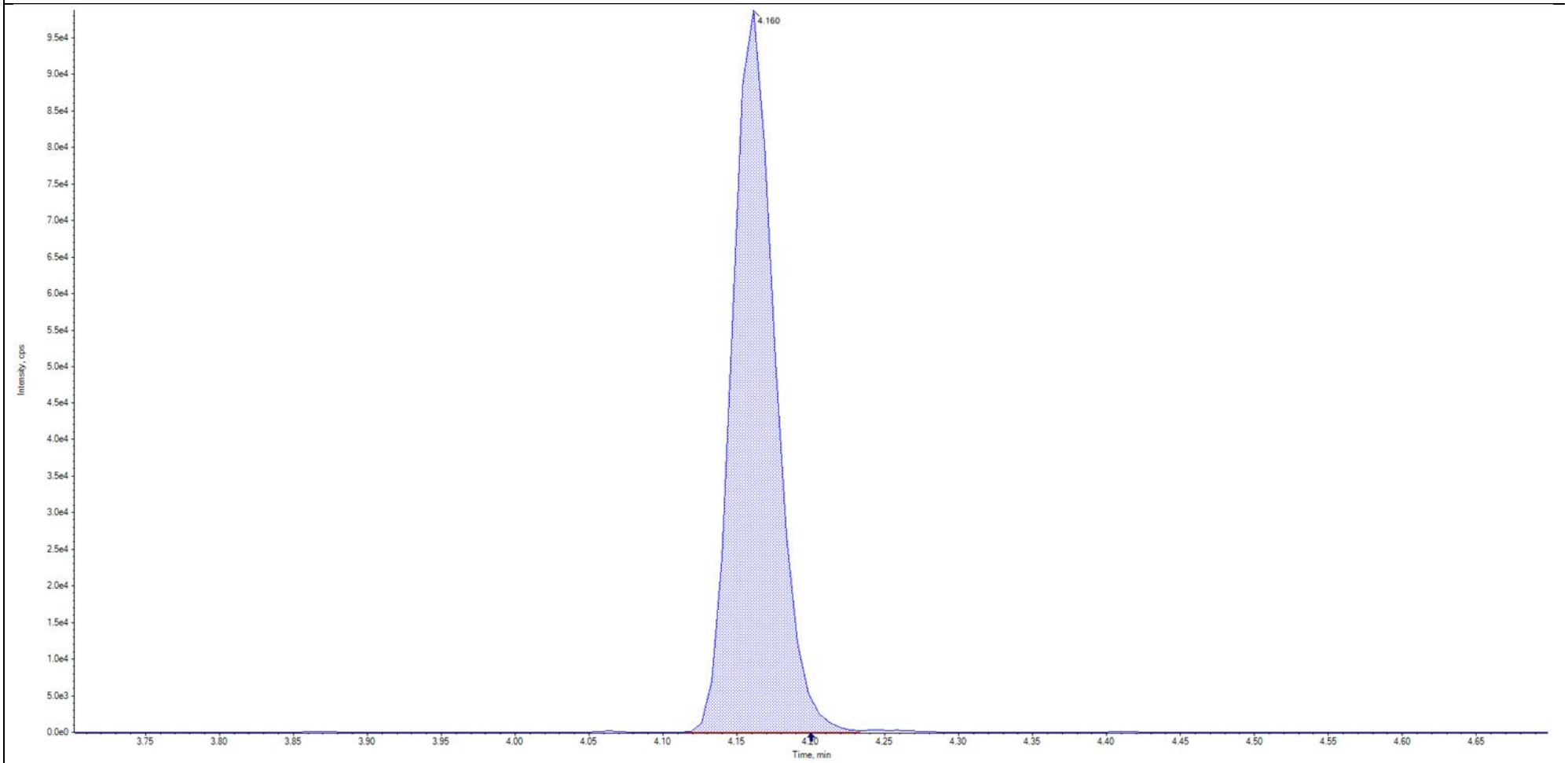


d5-NEtFOSA
Sample: WG2011094-15,1633FMED



d3-NMeFOSAA
Sample: WG2011094-15,1633FMED



d5-NEtFOSAA
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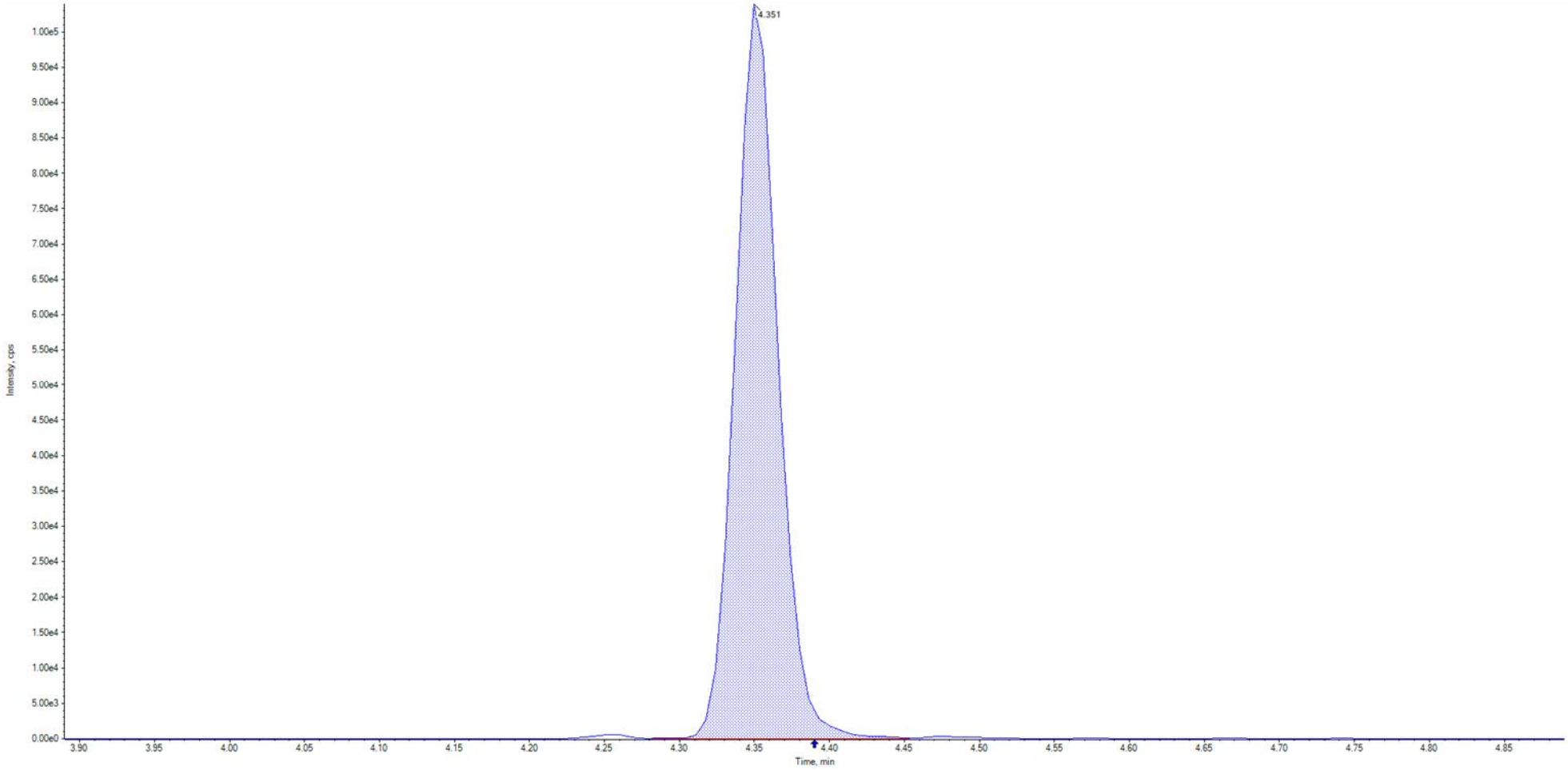
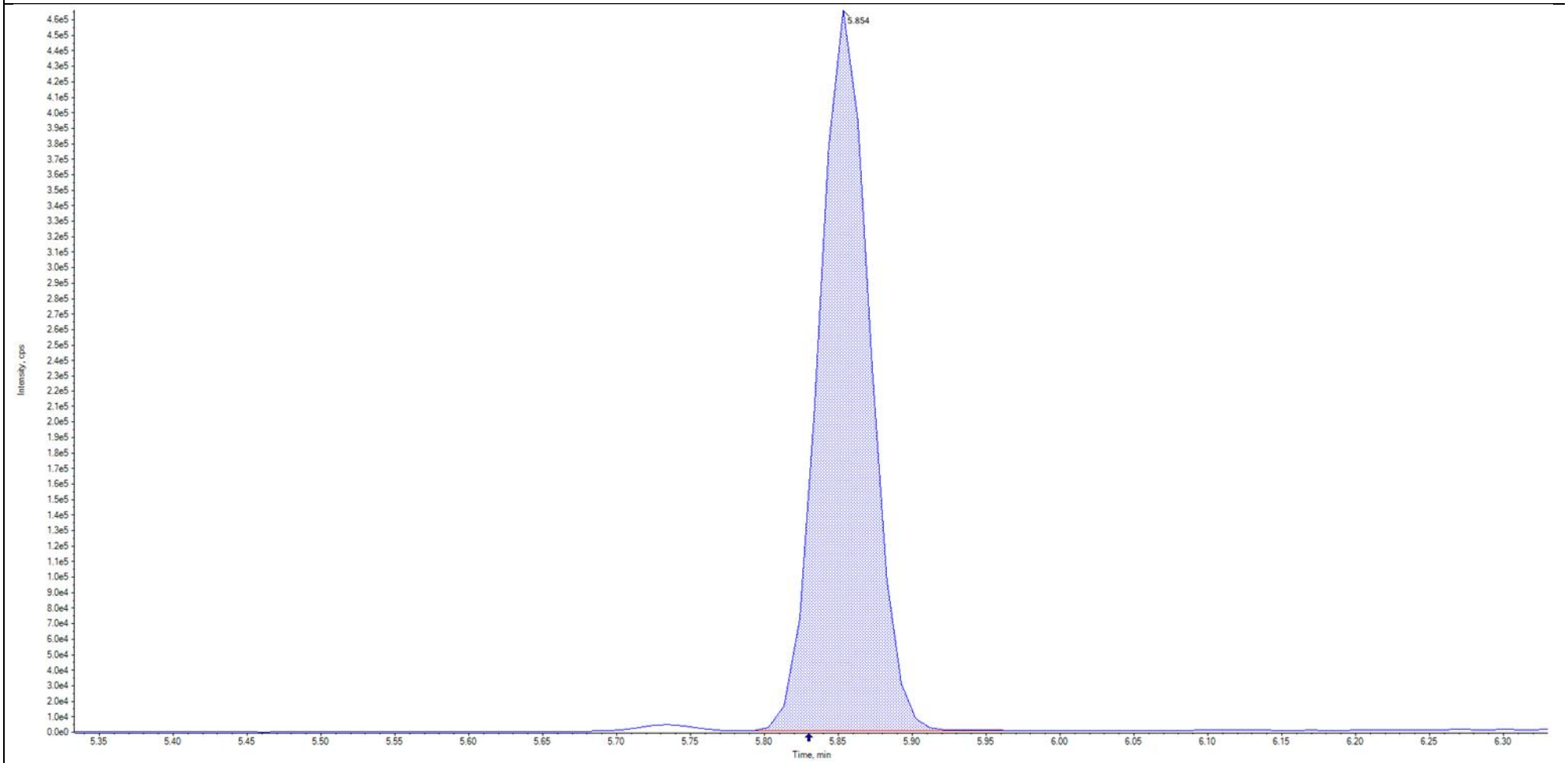
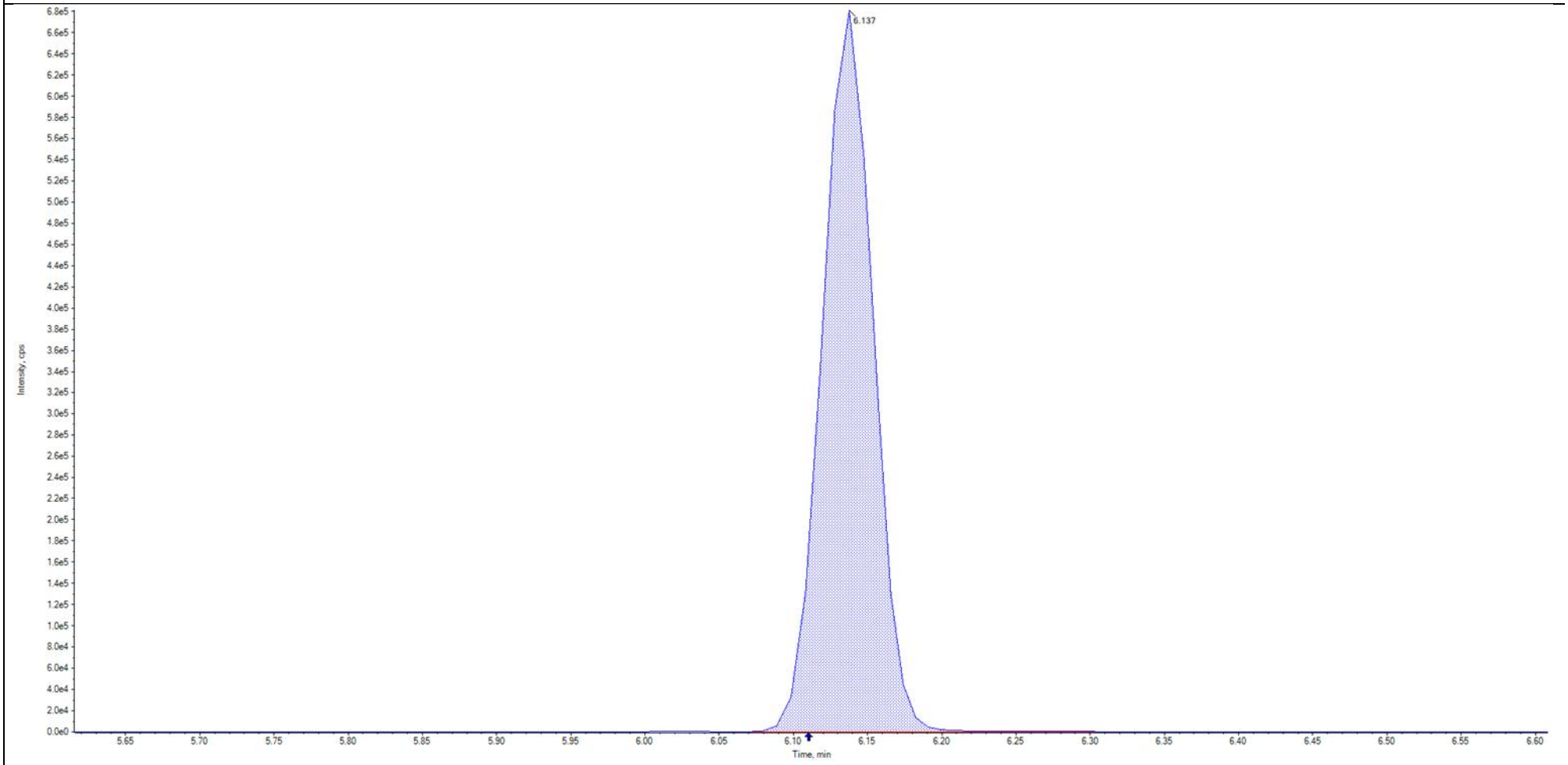


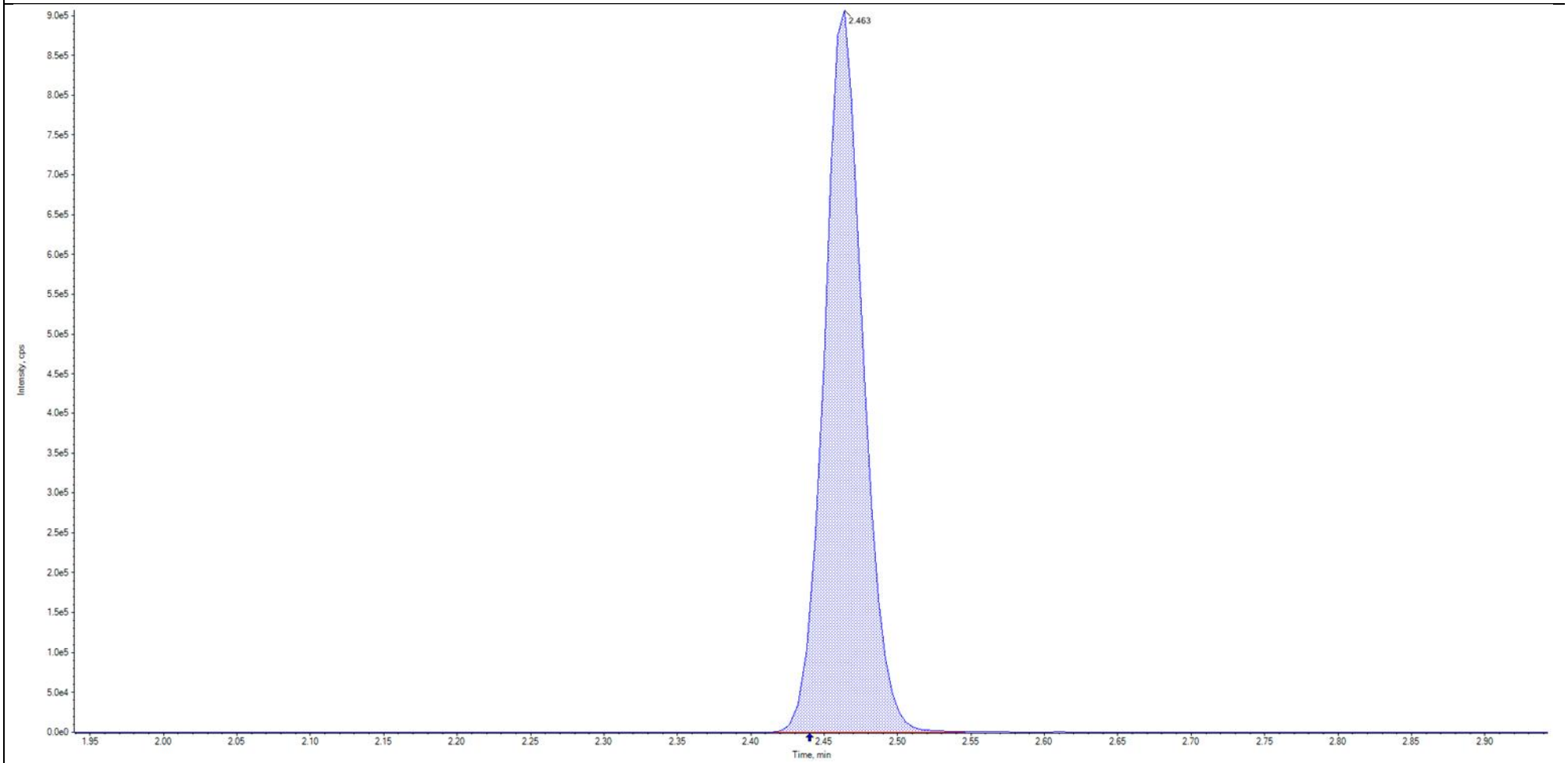
d7-NMeFOSE
Sample: WG2011094-15,1633FMED



d9-NEtFOSE
Sample: WG2011094-15,1633FMED

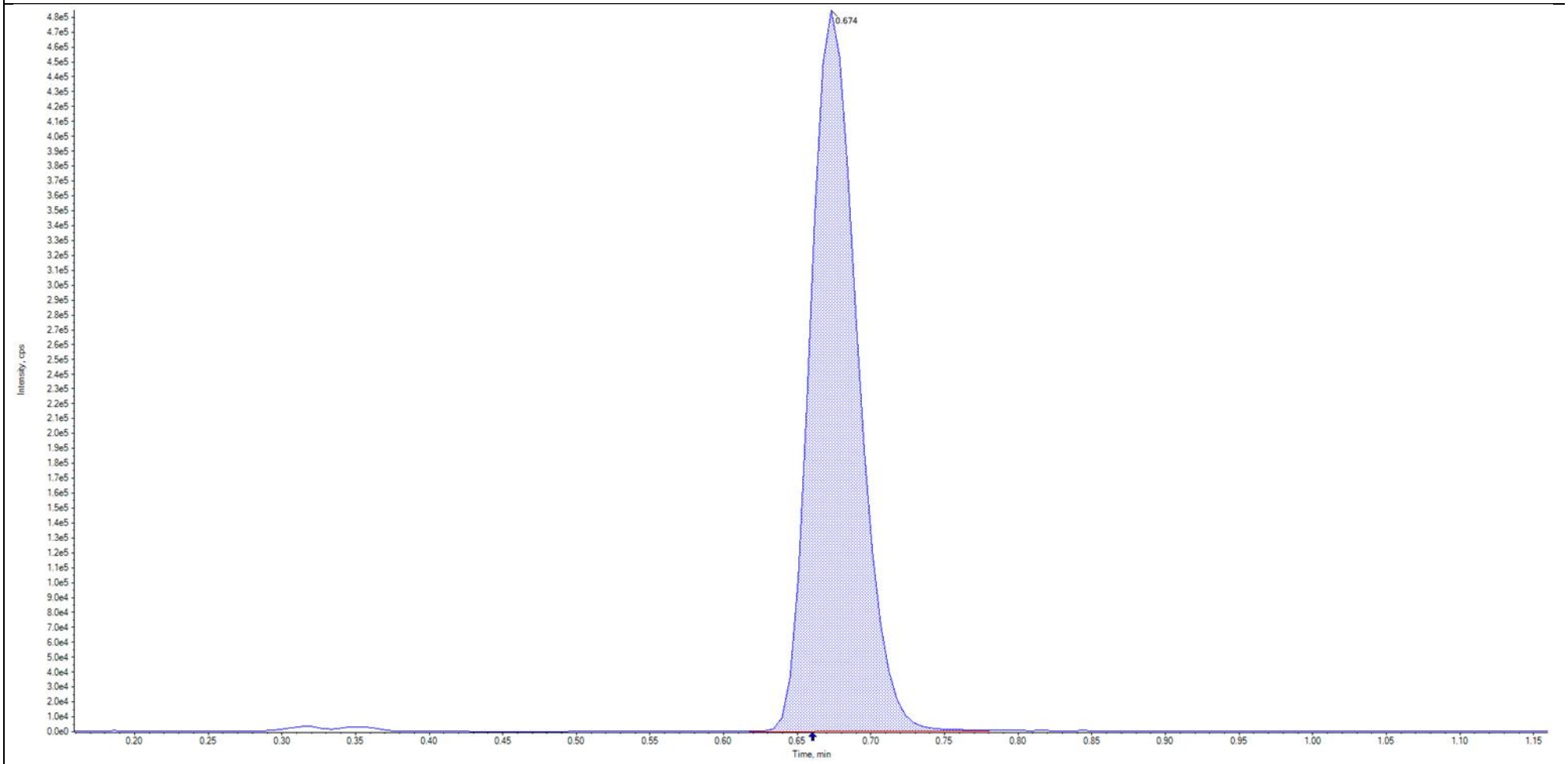


13C3-HFPO-DA
Sample: WG2011094-15,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_90.wiff2_13
Last Altered: 12/20/2024 1:46:15 AM
Generated: 12/19/2024 2:27:31 PM

13C3-PFBA
Sample: WG2011094-15,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 1:46:15 AM
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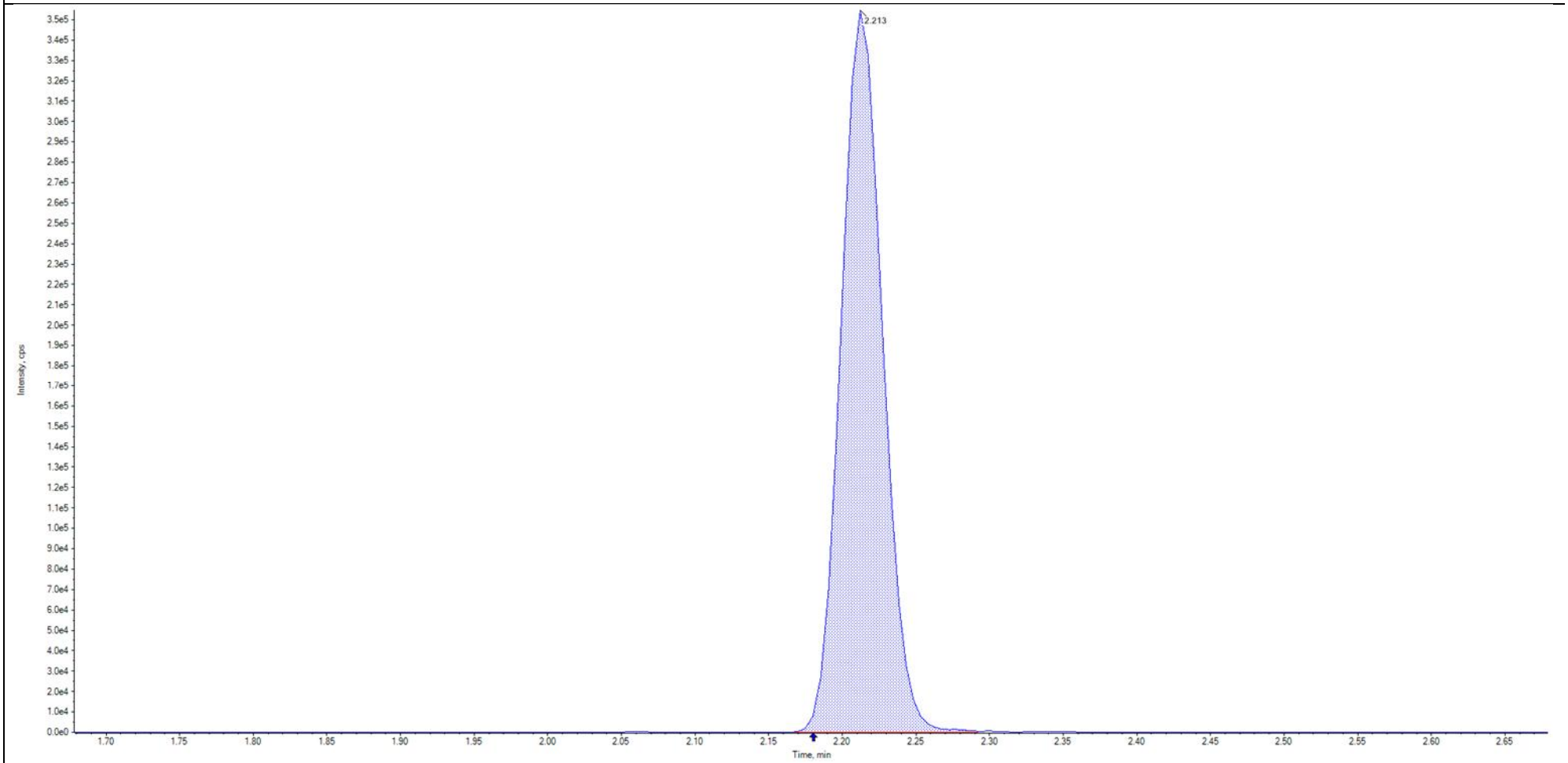
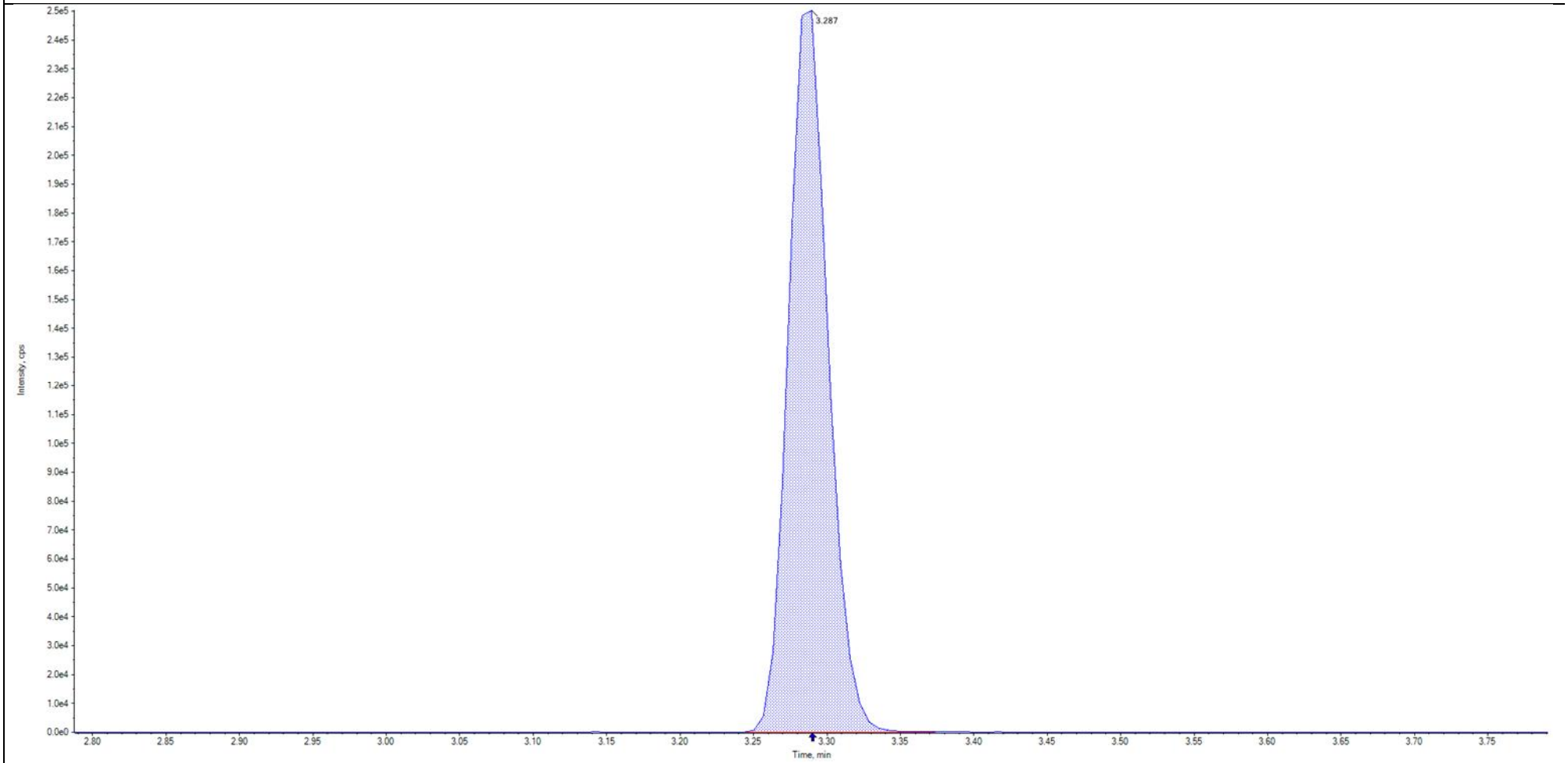
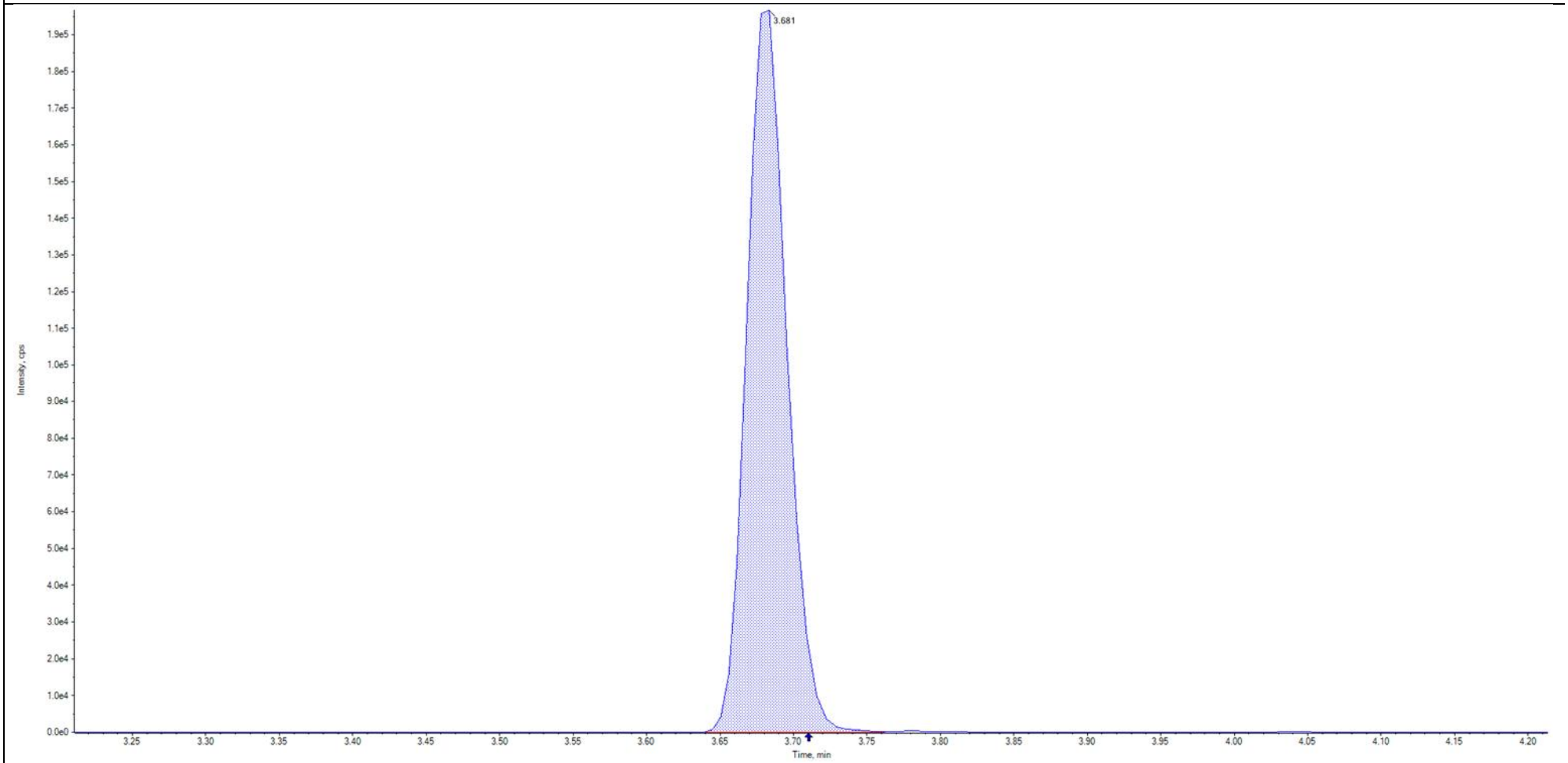
13C2-PFHxA
Sample: WG2011094-15,1633FMED



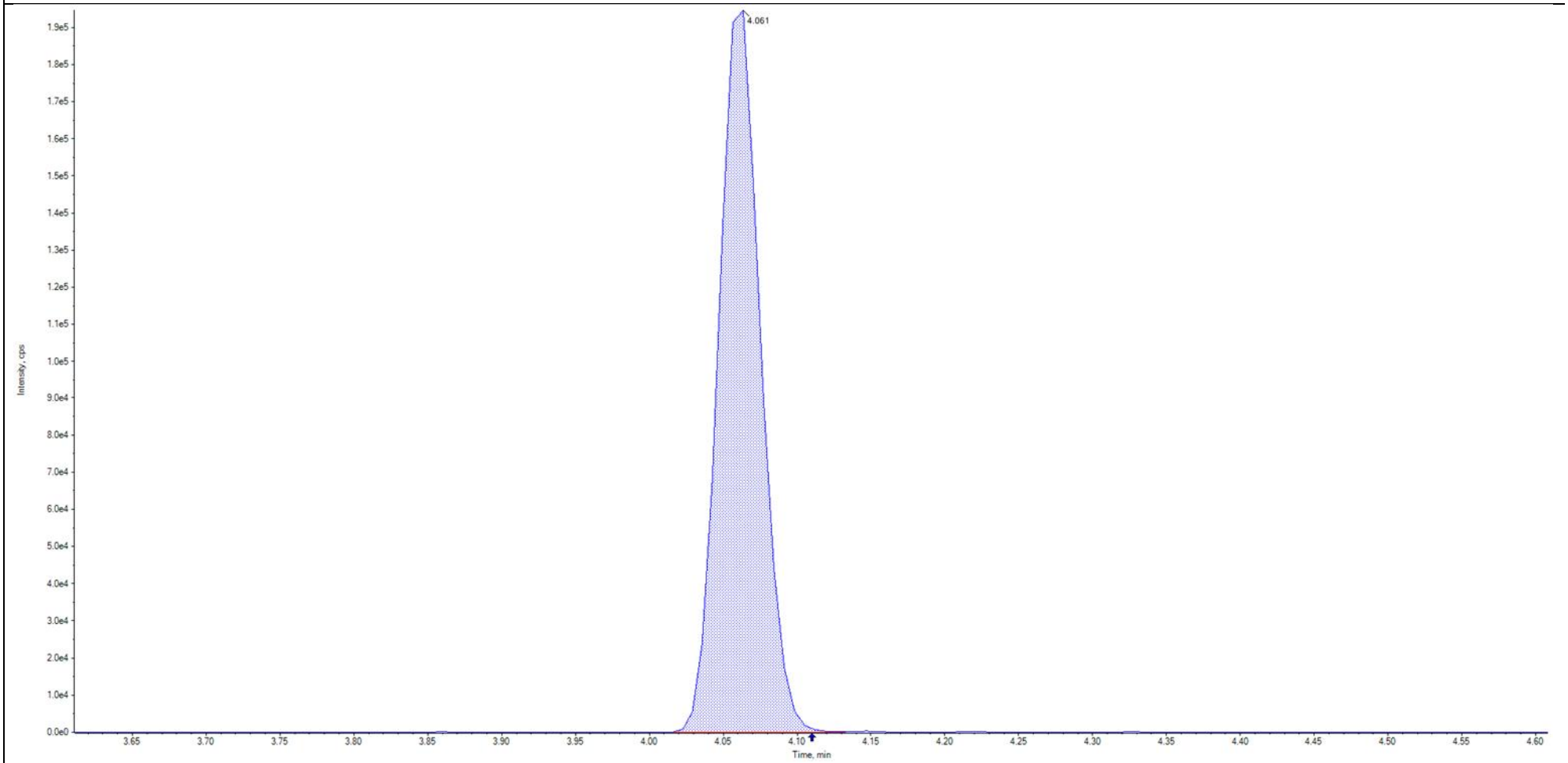
13C4-PFOA
Sample: WG2011094-15,1633FMED



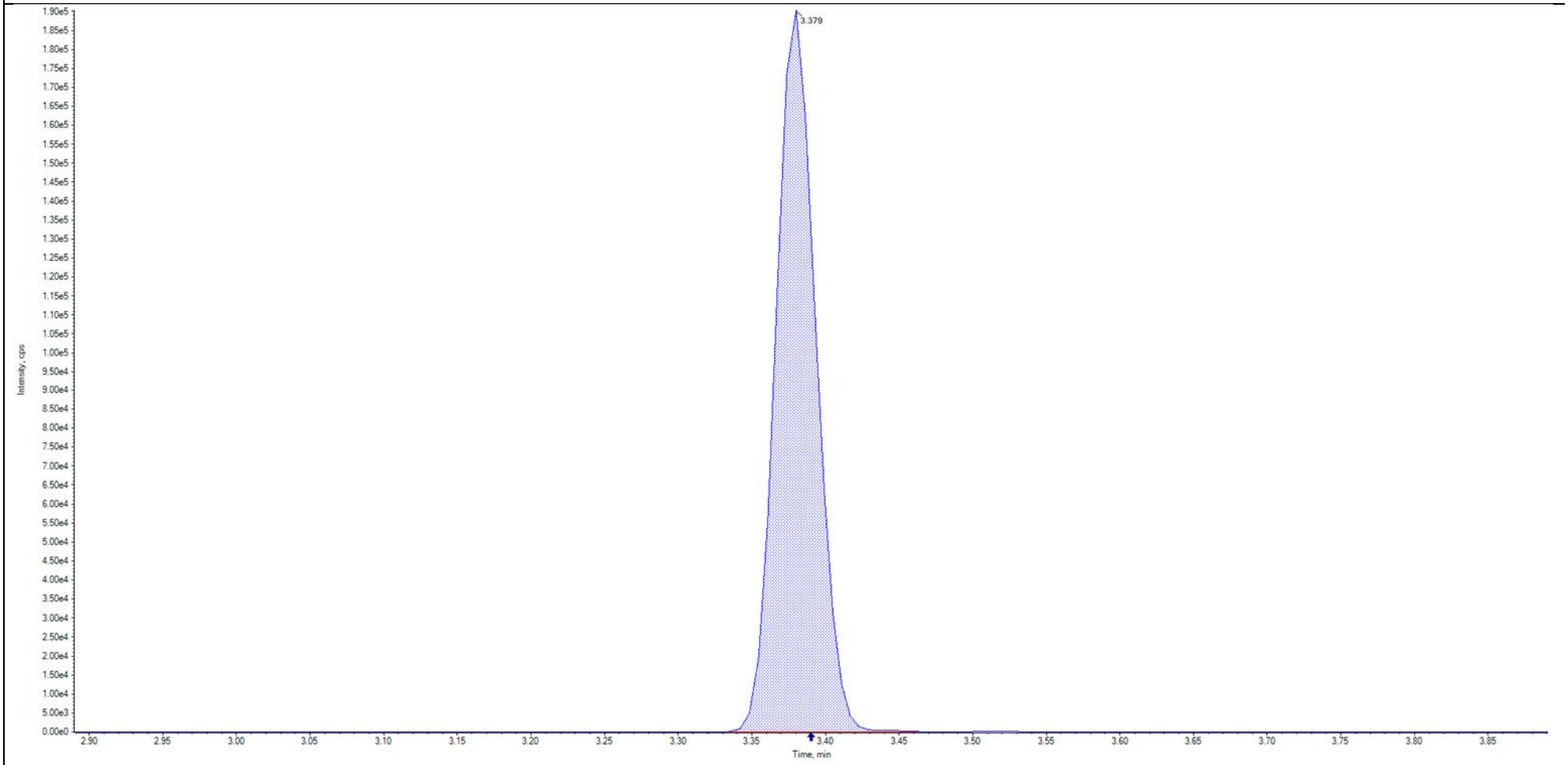
13C5-PFNA
Sample: WG2011094-15,1633FMED



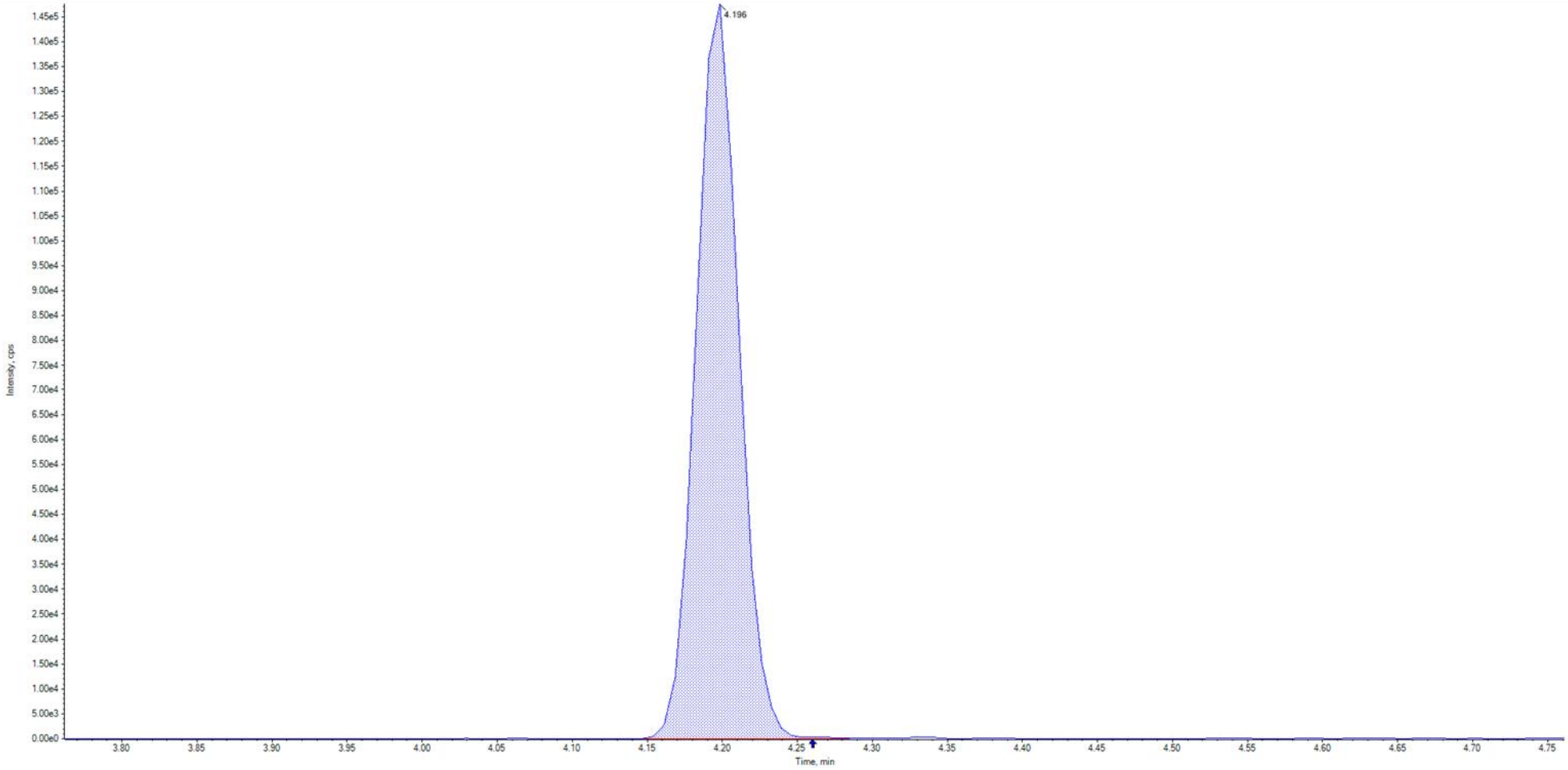
13C2-PFDA
Sample: WG2011094-15,1633FMED



18O2-PFHxS
Sample: WG2011094-15,1633FMED



13C4-PFOS
Sample: WG2011094-15,1633FMED



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Method: EPA1633F.qmethod
Calibration: 241115_EPA1633_ICAL

ID: WG2011094-17,1633FMED
Name: SCI05_241219_97.wiff2
Date & Time: 2024-12-20T01:44:32
Description: WG2011094,WG2000000,ICAL21712,1633FMED
Instrument: SCIEX Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.66	213.0 / 169.0	4532389		22.892	N/A	N/A	N/A	114.5
2	PFPeA	2706-90-3	1.38	263.0 / 219.0	2101775		10.917	0.007	N/A	N/A	109.2
3	PFPeA_2	2706-90-3	1.38	263.0 / 68.9	14725		10.305	0.007	N/A	N/A	103.1
4	PFHxA	307-24-4	2.19	313.0 / 269.0	1513901		5.074	0.083	0.089	Pass	101.5
5	PFHxA_2	307-24-4	2.18	313.0 / 119.0	125124		5.681	0.083	0.089	Pass	113.6
6	PFHpA	375-85-9	2.83	363.1 / 319.0	1632526		5.368	0.317	0.332	Pass	107.4
7	PFHpA_2	375-85-9	2.83	363.1 / 169.0	517943		5.313	0.317	0.332	Pass	106.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.26	413.1 / 369.1	1503652	M5	4.944	0.390	0.369	Pass	98.9
9	PFOA_2	335-67-1	3.26	413.1 / 169.0	586705	M5	5.224	0.390	0.369	Pass	104.5
10	PFNA	375-95-1	3.65	462.8 / 418.9	1509087	M5	5.321	0.301	0.303	Pass	106.4
11	PFNA_2	375-95-1	3.65	462.8 / 219.0	454962	M5	5.377	0.301	0.303	Pass	107.5
12	PFDA	335-76-2	4.03	513.1 / 469.1	1490642		5.634	0.159	0.162	Pass	112.7
13	PFDA_2	335-76-2	4.03	513.1 / 219.0	237208		5.431	0.159	0.162	Pass	108.6
14	PFUnA	2058-94-8	4.41	563.1 / 519.1	1201730		5.532	0.188	0.199	Pass	110.7
15	PFUnA_2	2058-94-8	4.41	563.1 / 269.0	226113		5.365	0.188	0.199	Pass	107.3
16	PFDoA	307-55-1	4.78	613.1 / 569.1	1286415		5.809	0.183	0.180	Pass	116.2
17	PFDoA_2	307-55-1	4.78	613.1 / 319.0	235330		5.746	0.183	0.180	Pass	114.9
18	PFTrDA	72629-94-8	5.15	663.1 / 619.1	1217825		5.546	0.161	0.160	Pass	110.9
19	PFTrDA_2	72629-94-8	5.15	663.1 / 169.0	195757		5.537	0.161	0.160	Pass	110.7
20	PFTeDA	376-06-7	5.51	713.1 / 669.1	1113762		5.446	0.142	0.149	Pass	108.9
21	PFTeDA_2	376-06-7	5.51	713.1 / 169.0	157872		5.290	0.142	0.149	Pass	105.8
22	PFBS	375-73-5	2.17	299.1 / 80.1	870579		4.485	0.409	0.388	Pass	101.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.17	299.1 / 99.1	355735		4.612	0.409	0.388	Pass	103.9
24	PFPeS	2706-91-4	2.88	349.1 / 80.1	908176		4.851	0.300	0.297	Pass	103.2
25	PFPeS_2	2706-91-4	2.88	349.1 / 99.1	272156		5.007	0.300	0.297	Pass	106.5
26	PFHxS	355-46-4	3.35	399.1 / 80.1	752578	m5	4.458	0.322	0.296	Pass	97.8
27	PFHxS_2	355-46-4	3.35	399.1 / 99.1	242484		4.671	0.322	0.296	Pass	102.4
28	PFHpS	375-92-8	3.77	449.1 / 80.1	809559		5.158	0.278	0.258	Pass	108.4
29	PFHpS_2	375-92-8	3.77	449.1 / 99.1	224875		5.446	0.278	0.258	Pass	114.4
30	PFOS	1763-23-1	4.17	499.1 / 80.1	803556	M5	4.640	0.238	0.233	Pass	100.0
31	PFOS_2	1763-23-1	4.17	499.1 / 99.1	191409	M5	4.955	0.238	0.233	Pass	106.8
32	PFNS	68259-12-1	4.56	549.1 / 80.1	642945		5.640	0.288	0.296	Pass	117.5
33	PFNS_2	68259-12-1	4.56	549.1 / 99.1	185136		5.546	0.288	0.296	Pass	115.5
34	PFDS	335-77-3	4.94	599.1 / 80.1	616018		5.493	0.264	0.272	Pass	114.0
35	PFDS_2	335-77-3	4.94	599.1 / 99.1	162654		5.177	0.264	0.272	Pass	107.4
36	PFDoS	79780-39-5	5.66	699.2 / 80.1	582475		5.667	0.260	0.263	Pass	117.1
37	PFDoS_2	79780-39-5	5.66	699.2 / 99.1	151168		5.604	0.260	0.263	Pass	115.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.97	327.1 / 307.1	1171183		21.319	0.501	0.559	Pass	114.0
39	4:2FTS_2	757124-72-4	1.97	327.1 / 81.1	586519		18.916	0.501	0.559	Pass	101.2
40	6:2FTS	27619-97-2	3.10	427.2 / 407.2	919038		23.004	0.583	0.593	Pass	121.1
41	6:2FTS_2	27619-97-2	3.10	427.2 / 81.1	535656		21.603	0.583	0.593	Pass	113.7
42	8:2FTS	39108-34-4	3.86	527.2 / 507.2	586599		20.851	0.751	0.759	Pass	108.6
43	8:2FTS_2	39108-34-4	3.86	527.2 / 81.1	440294		21.076	0.751	0.759	Pass	109.8
44	PFOSA	754-91-6	5.27	498.1 / 78.1	1053019	M5	5.155	0.025	0.023	Pass	103.1
45	PFOSA_2	754-91-6	5.27	498.1 / 478.0	26558	M5	5.492	0.025	0.023	Pass	109.8
46	NMeFOSA	31506-32-8	5.98	512.2 / 219.0	224269	M5	5.095	1.520	1.457	Pass	101.9
47	NMeFOSA_2	31506-32-8	5.93	512.2 / 169.0	340782		5.331	1.520	1.457	Pass	106.6
48	NEtFOSA	4151-50-2	6.26	526.2 / 219.0	241391		5.529	1.275	1.309	Pass	110.6
49	NEtFOSA_2	4151-50-2	6.22	526.2 / 169.0	307685		5.371	1.275	1.309	Pass	107.4
50	NMeFOSAA	2355-31-9	4.14	570.2 / 419.1	159421		5.550	0.775	0.804	Pass	111.0
51	NMeFOSAA_2	2355-31-9	4.13	570.2 / 483.0	123567		5.637	0.775	0.804	Pass	112.7
52	NEtFOSAA	2991-50-6	4.33	584.2 / 419.1	212790		5.486	0.424	0.419	Pass	109.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.33	584.2 / 526.2	90266		5.279	0.424	0.419	Pass	105.6
54	NMeFOSE	24448-09-7	5.84	616.1 / 58.9	6070986	M5	53.934	N/A	N/A	N/A	107.9
55	NEtFOSE	1691-99-2	6.14	630.0 / 58.9	10048564		52.961	N/A	N/A	N/A	105.9
56	HFPO-DA	13252-13-6	2.44	285.0 / 169.0	2853538		21.298	0.677	0.685	Pass	106.5
57	HFPO-DA_2	13252-13-6	2.44	285.0 / 184.9	1933172		22.042	0.677	0.685	Pass	110.2
58	ADONA	919005-14-4	3.00	376.9 / 251.0	7887757		30.107	0.739	0.884	Pass	159.3
59	ADONA_2	919005-14-4	3.00	376.9 / 84.8	5829753		22.120	0.739	0.884	Pass	117.0
60	9Cl-PF3ONS	756426-58-1	4.44	530.8 / 351.1	8302900		22.228	0.323	0.325	Pass	118.9
61	9Cl-PF3ONS_2	756426-58-1	4.44	532.8 / 353.0	2684141		22.035	0.323	0.325	Pass	117.8
62	11Cl-PF3OUdS	763051-92-9	5.19	630.9 / 451.0	5347891		21.768	0.343	0.338	Pass	115.2
63	11Cl-PF3OUdS_2	763051-92-9	5.19	632.9 / 452.9	1832152		21.255	0.343	0.338	Pass	112.5
64	3:3FTCA	356-02-5	1.79	241.1 / 177.1	327517		30.047	1.404	1.433	Pass	120.2
65	3:3FTCA_2	356-02-5	1.79	241.1 / 117.0	459937		27.437	1.404	1.433	Pass	109.8
66	5:3FTCA	914637-49-3	3.26	341.1 / 237.1	10008010		141.986	0.881	0.935	Pass	113.6
67	5:3FTCA_2	914637-49-3	3.26	341.1 / 217.0	8813104		135.091	0.881	0.935	Pass	108.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.17	441.1 / 316.9	6154896		136.577	1.665	1.712	Pass	109.3
69	7:3FTCA_2	812-70-4	4.17	441.1 / 337.1	10249046		151.531	1.665	1.712	Pass	121.2
70	PFEESA	113507-82-7	2.53	315.1 / 135.0	5428511		9.231	0.086	0.084	Pass	103.5
71	PFEESA_2	113507-82-7	2.53	315.1 / 82.9	467129		9.320	0.086	0.084	Pass	104.5
72	PFMPA	377-73-1	0.84	229.0 / 85.0	2701628		10.185	N/A	N/A	N/A	101.9
73	PFMBA	863090-89-5	1.68	279.0 / 85.0	3127240		11.226	N/A	N/A	N/A	112.3
74	NFDHA	151772-58-6	2.10	295.0 / 201.0	1292018		12.717	0.797	0.781	Pass	127.2
75	NFDHA_2	151772-58-6	2.10	295.0 / 84.9	1029894		13.197	0.797	0.781	Pass	132.0
76	TDCA	516-50-7	2.97	499.1 / 124.1	3963109		10.949	5.156	5.150	Pass	109.5
77	TDCA_2	516-50-7	2.97	499.1 / 79.9	20434156		10.744	5.156	5.150	Pass	107.4
78	13C2D4-4:2FTS	Surr	1.96	333.2 / 312.1	169547		4.461	N/A	N/A	N/A	89.2
79	13C2-PFOA	Surr	3.26	415.0 / 370.0	451006		2.524	N/A	N/A	N/A	100.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.65	217.0 / 172.0	2347449		9.775	NA	NA	NA	97.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.37	268.0 / 223.0	1111949		4.851	NA	NA	NA	97.0
	13C5-PFHxA	EIS	2.18	318.0 / 273.0	486752		2.471	NA	NA	NA	98.8
	13C4-PFHpA	EIS	2.83	367.0 / 322.0	319216		2.360	NA	NA	NA	94.4
	13C8-PFOA	EIS	3.26	420.8 / 376.0	1045335		2.048	NA	NA	NA	81.9
	13C9-PFNA	EIS	3.65	472.0 / 427.0	418592		1.299	NA	NA	NA	103.9
	13C6-PFDA	EIS	4.03	519.0 / 474.0	404193		1.209	NA	NA	NA	96.7
	13C7-PFUnA	EIS	4.40	570.0 / 525.0	352360		1.221	NA	NA	NA	97.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.78	615.1 / 570.0	290035		1.206	NA	NA	NA	96.5
	13C2-PFTeDA	EIS	5.50	715.1 / 670.1	228265		1.061	NA	NA	NA	84.9
	13C3-PFBS	EIS	2.16	302.1 / 80.1	472437		2.354	NA	NA	NA	101.0
	13C3-PFHxS	EIS	3.35	402.1 / 80.1	400906		2.305	NA	NA	NA	97.2
	13C8-PFOS	EIS	4.17	507.1 / 80.1	418035		2.580	NA	NA	NA	107.5
	13C2-4:2FTS	EIS	1.96	329.1 / 81.1	140394		4.215	NA	NA	NA	89.9
	13C2-6:2FTS	EIS	3.10	429.2 / 81.1	121062		3.933	NA	NA	NA	82.6
	13C2-8:2FTS	EIS	3.86	529.2 / 81.1	122240		4.420	NA	NA	NA	92.1

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.26	506.1 / 78.1	740201		2.866	NA	NA	NA	114.6
d3-NMeFOSA	EIS	5.97	515.2 / 219.0	107077		2.819	NA	NA	NA	112.8
d5-NEtFOSA	EIS	6.25	531.2 / 219.0	101088		2.855	NA	NA	NA	114.2
d3-NMeFOSAA	EIS	4.13	573.2 / 419.1	195926		4.901	NA	NA	NA	98.0
d5-NEtFOSAA	EIS	4.32	589.3 / 419.1	201037		5.228	NA	NA	NA	104.6
d7-NMeFOSE	EIS	5.82	623.2 / 58.9	1089329		24.262	NA	NA	NA	97.1
d9-NEtFOSE	EIS	6.11	639.2 / 58.9	1656273		25.457	NA	NA	NA	101.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.43	287.0 / 169.0	1450682		10.106	NA	NA	NA	101.1
	13C3-PFBA	NIS	0.65	216.0 / 172.0	1068229		5.400	NA	NA	NA	108.0
	13C2-PFHxA	NIS	2.18	315.0 / 270.0	688796		2.620	NA	NA	NA	104.8
	13C4-PFOA	NIS	3.26	417.0 / 372.0	502523		2.900	NA	NA	NA	116.0
	13C5-PFNA	NIS	3.65	468.0 / 423.0	363562		1.168	NA	NA	NA	93.5
	13C2-PFDA	NIS	4.03	515.1 / 470.1	388754		1.227	NA	NA	NA	98.2
	18O2-PFHxS	NIS	3.35	403.1 / 84.1	352387		2.493	NA	NA	NA	105.2
	13C4-PFOS	NIS	4.17	503.1 / 80.1	281343		2.273	NA	NA	NA	94.7

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

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PFBA
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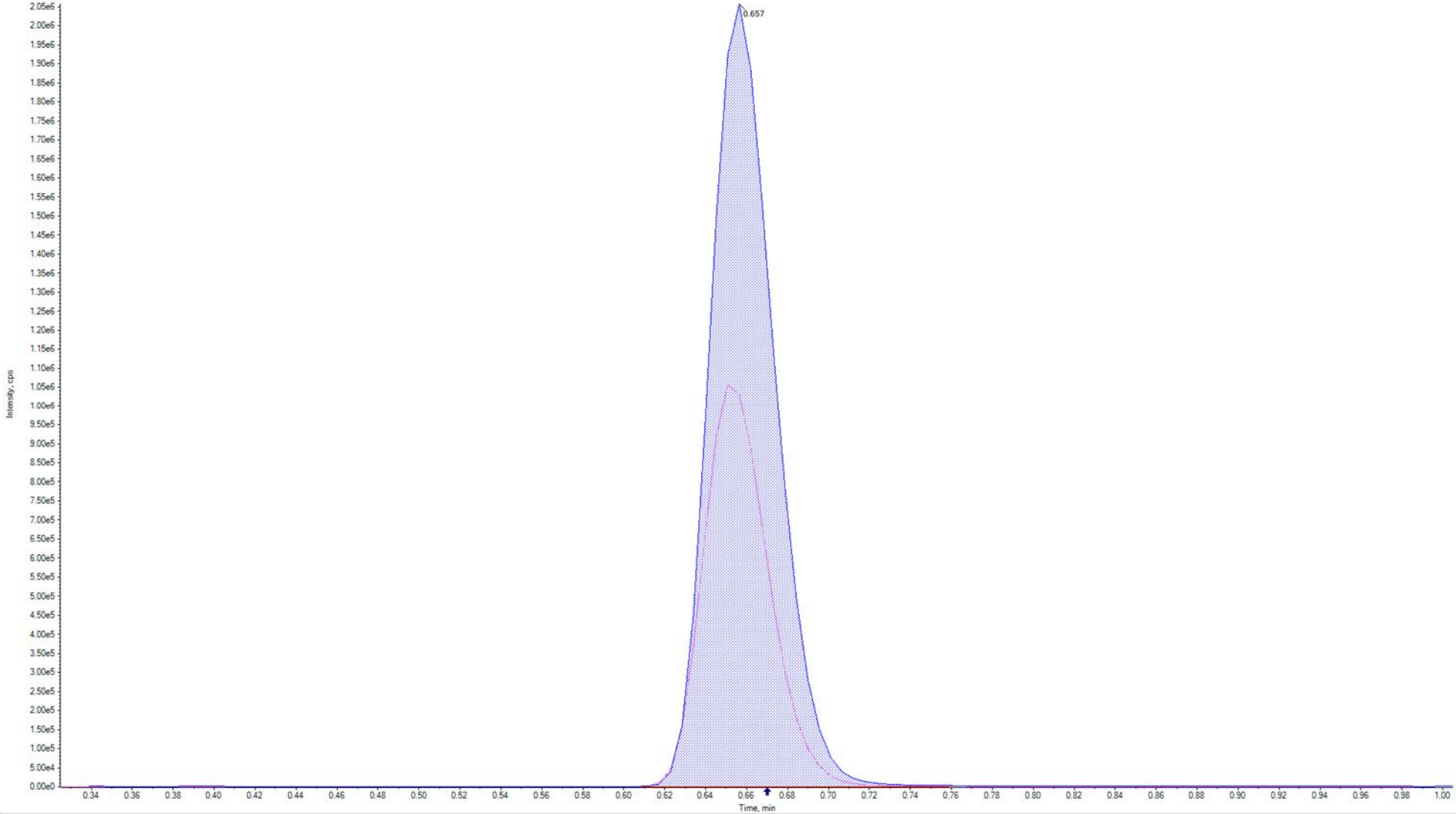

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PFPeA
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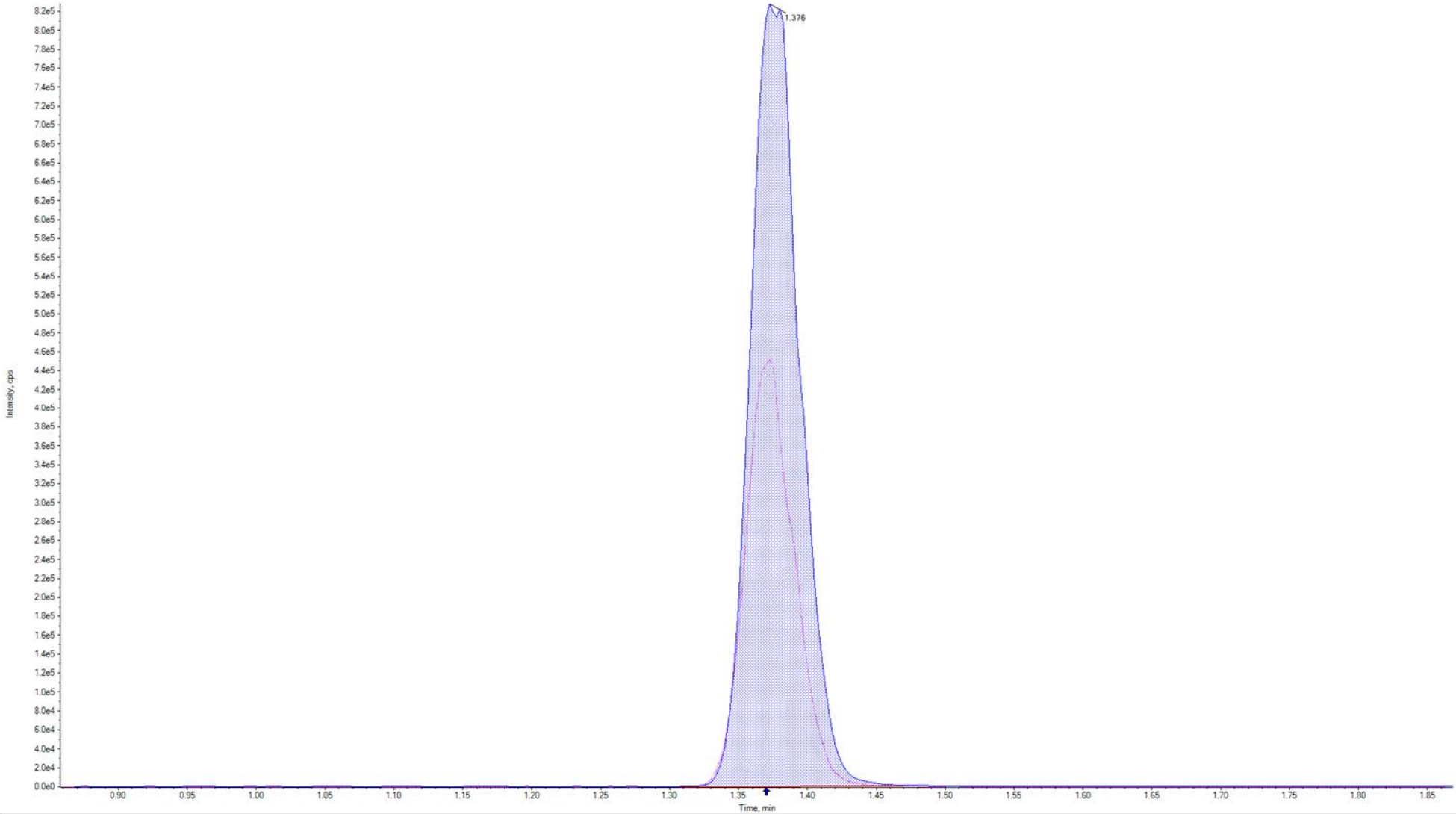

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PFPeA_2
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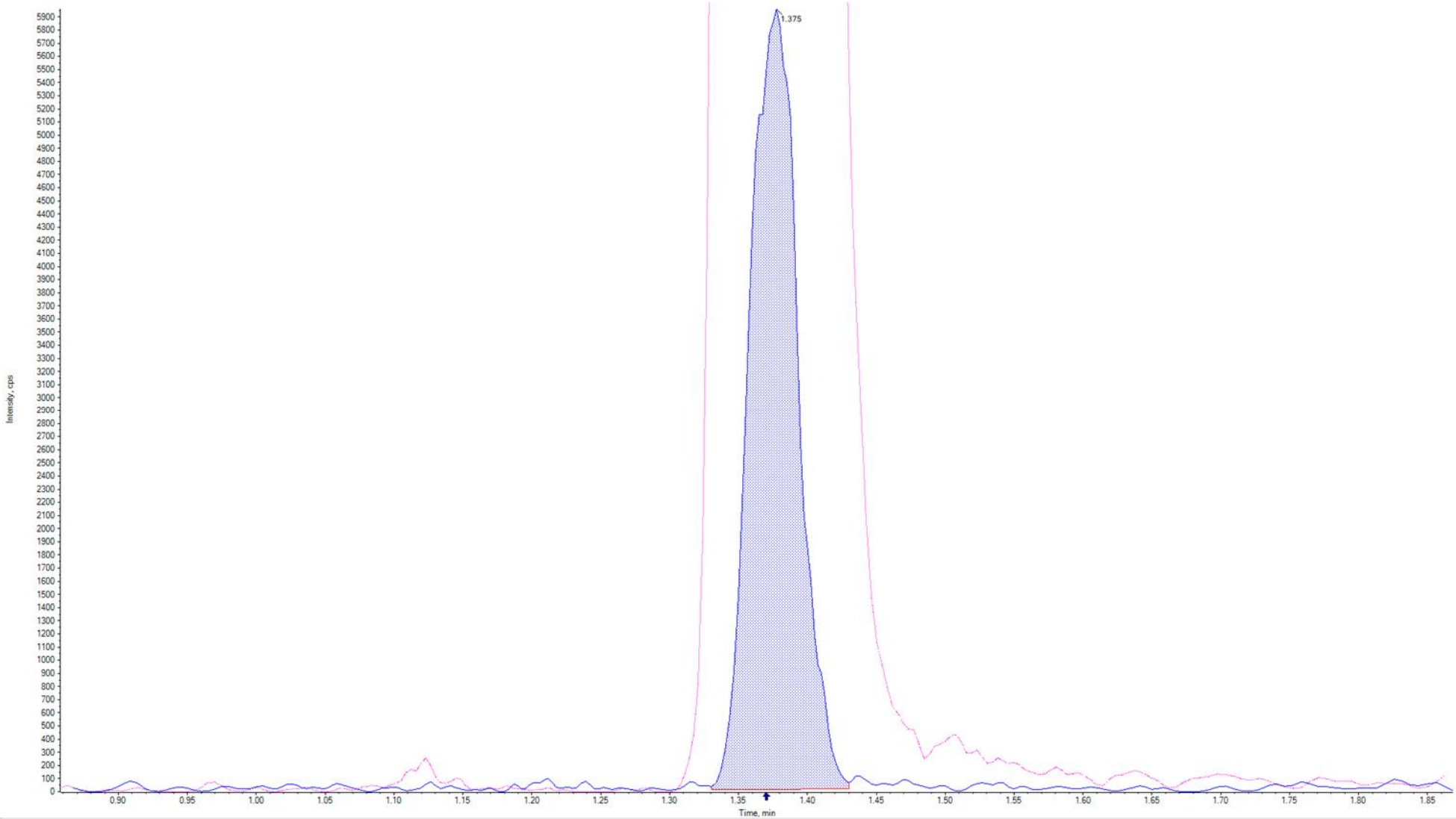

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PFHxA
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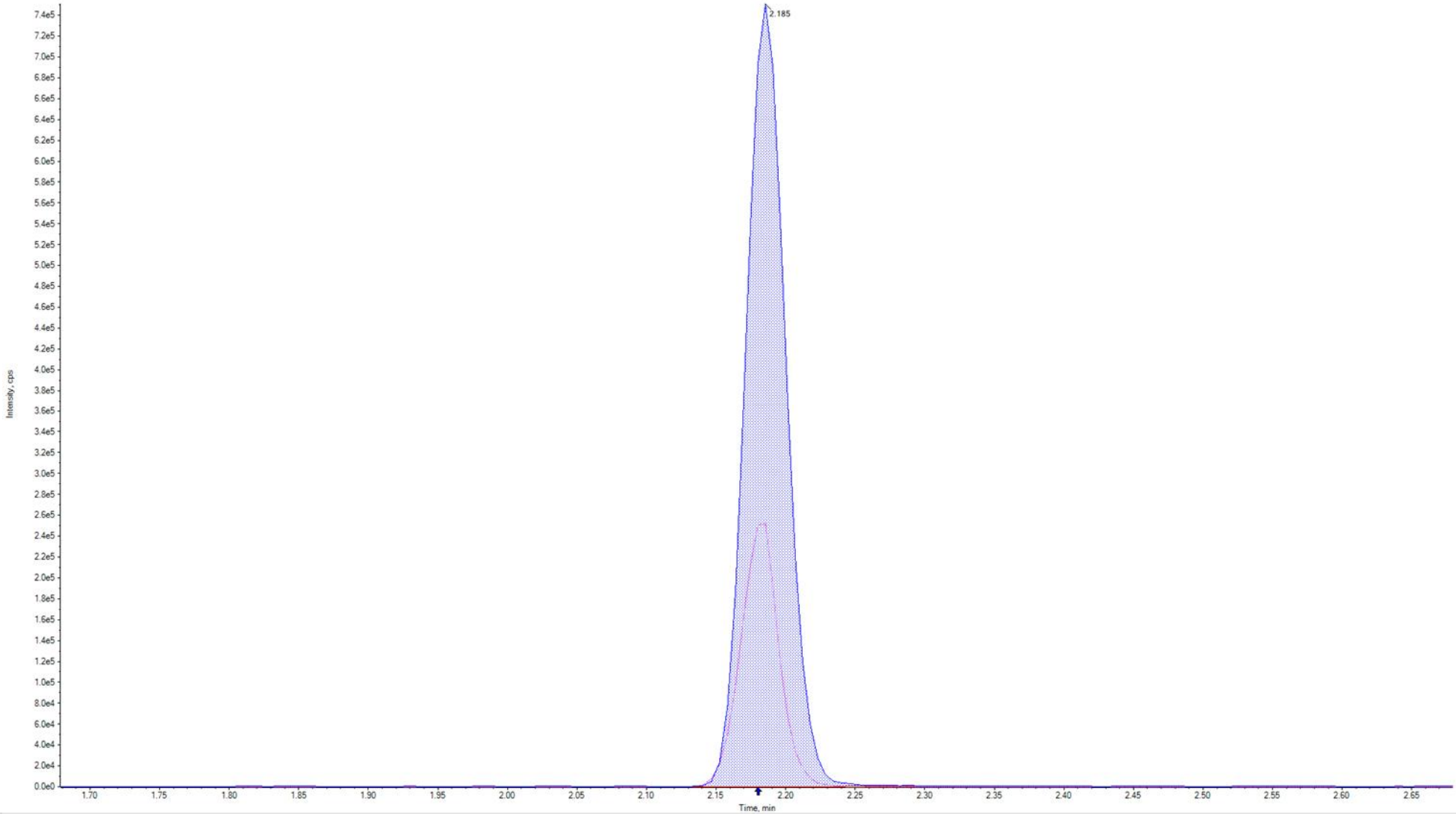

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PFHxA_2
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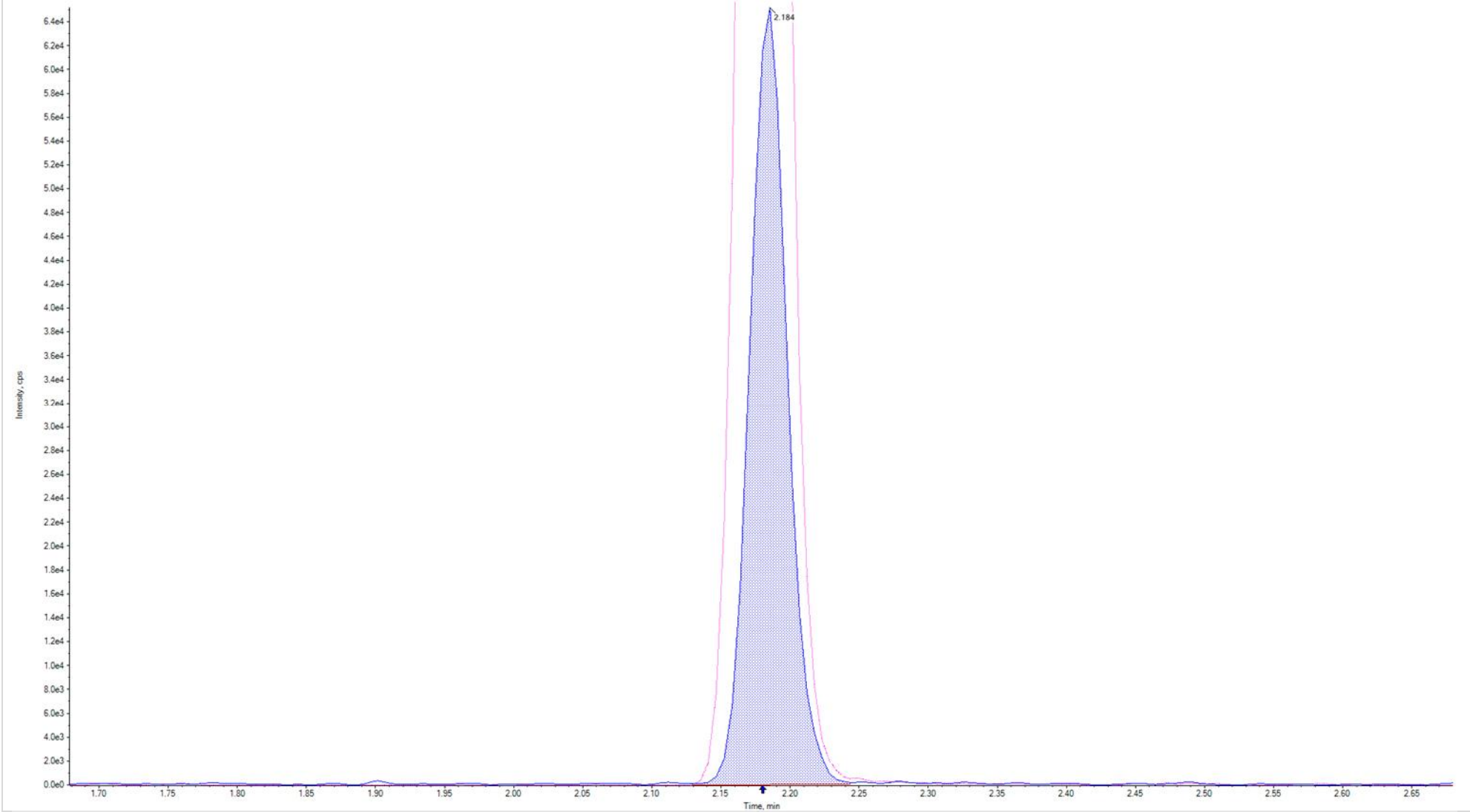

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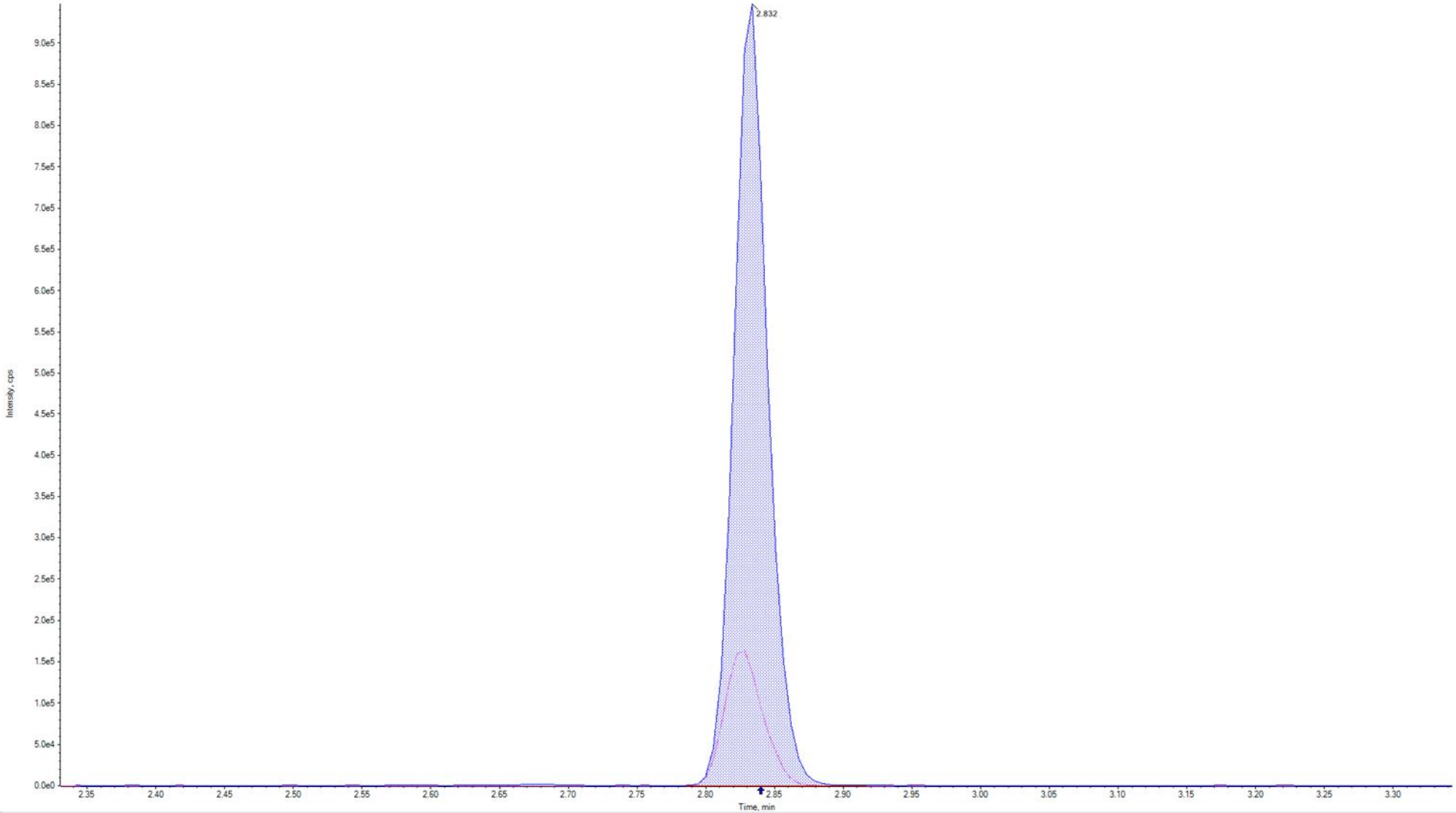
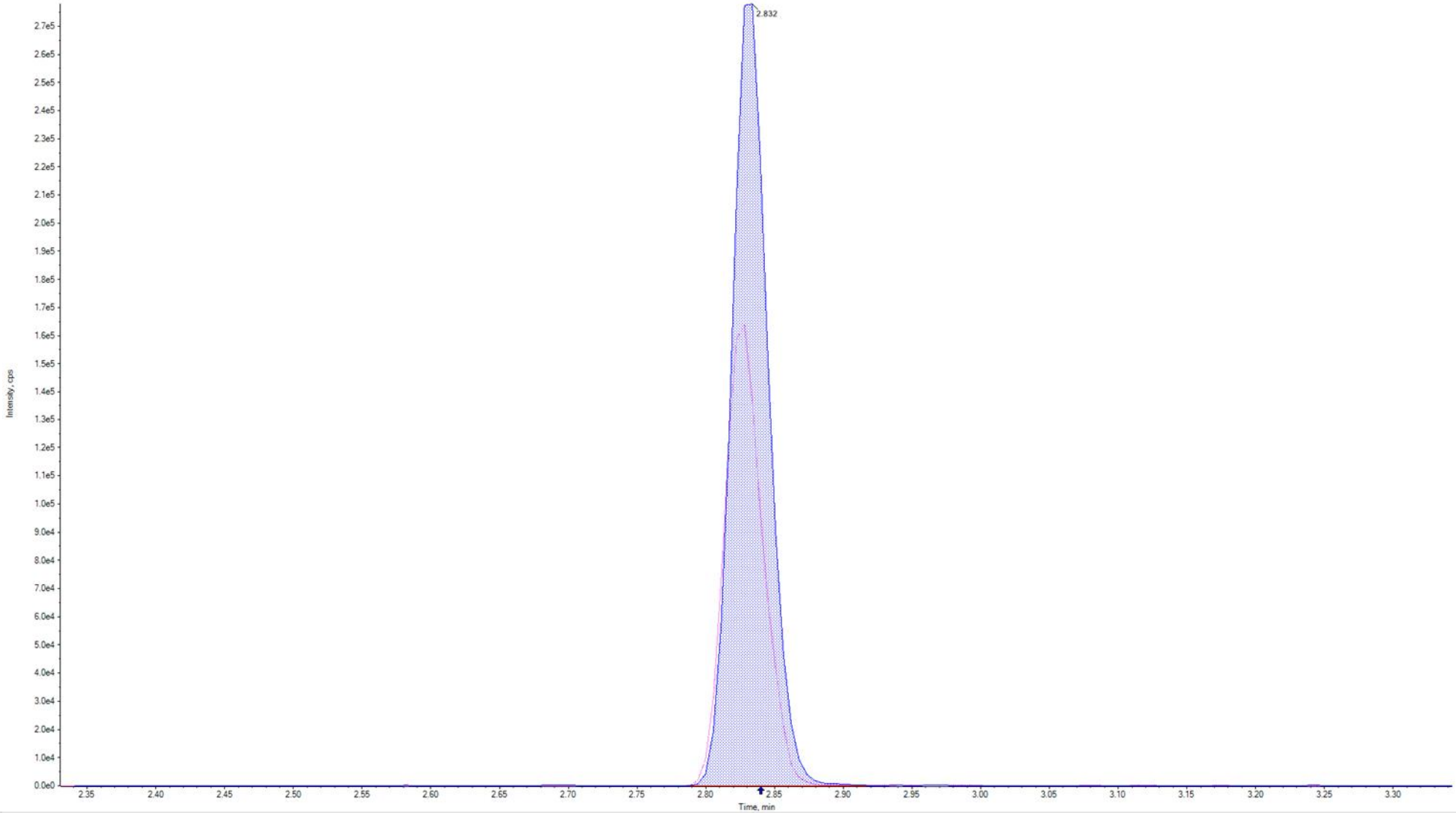
PFHpA
Sample: WG2011094-17,1633FMED S/N:7708.4 Points Across peak:27



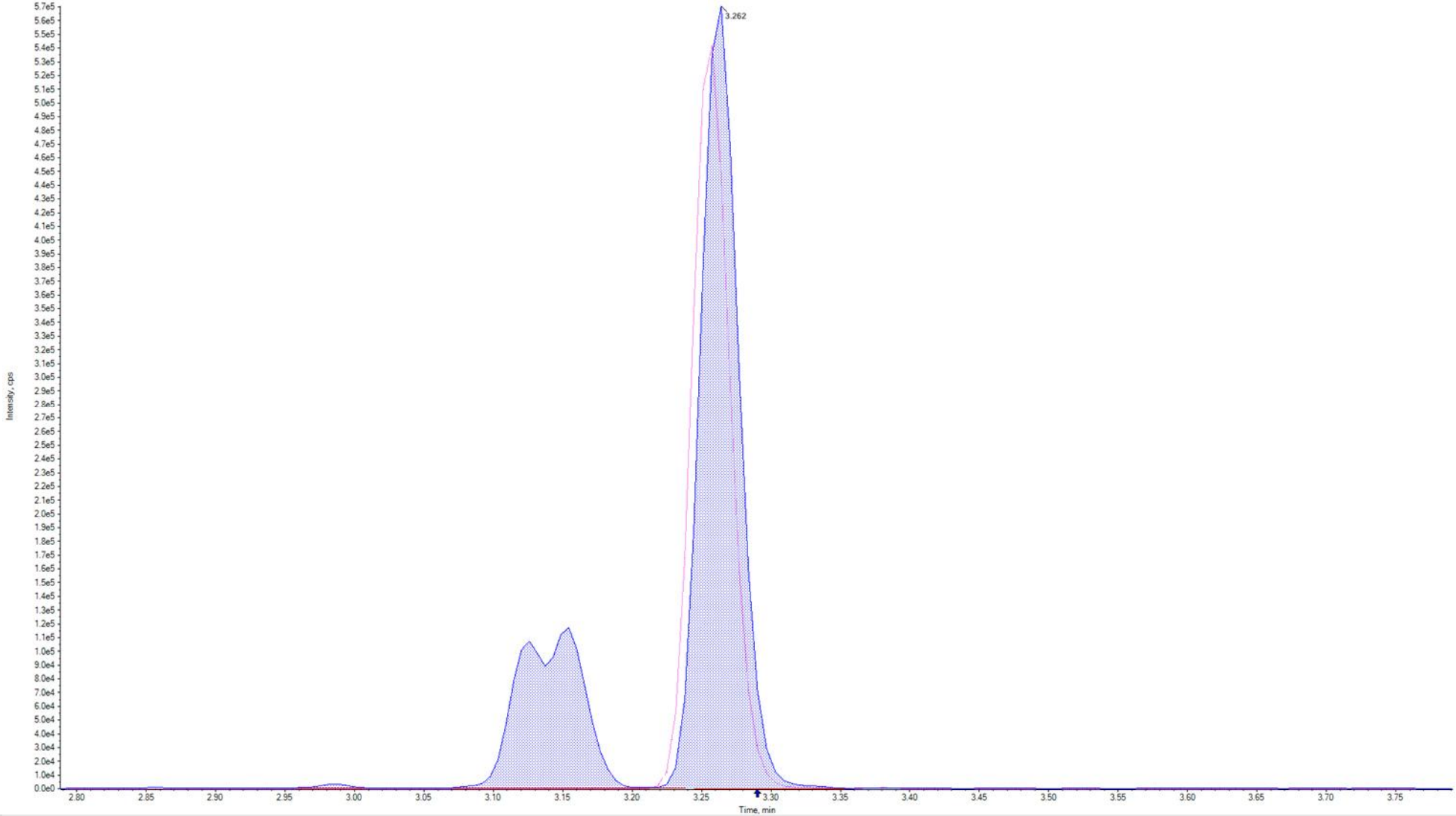
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFHpA_2
Sample: WG2011094-17,1633FMED S/N:3738.6 Points Across peak:31



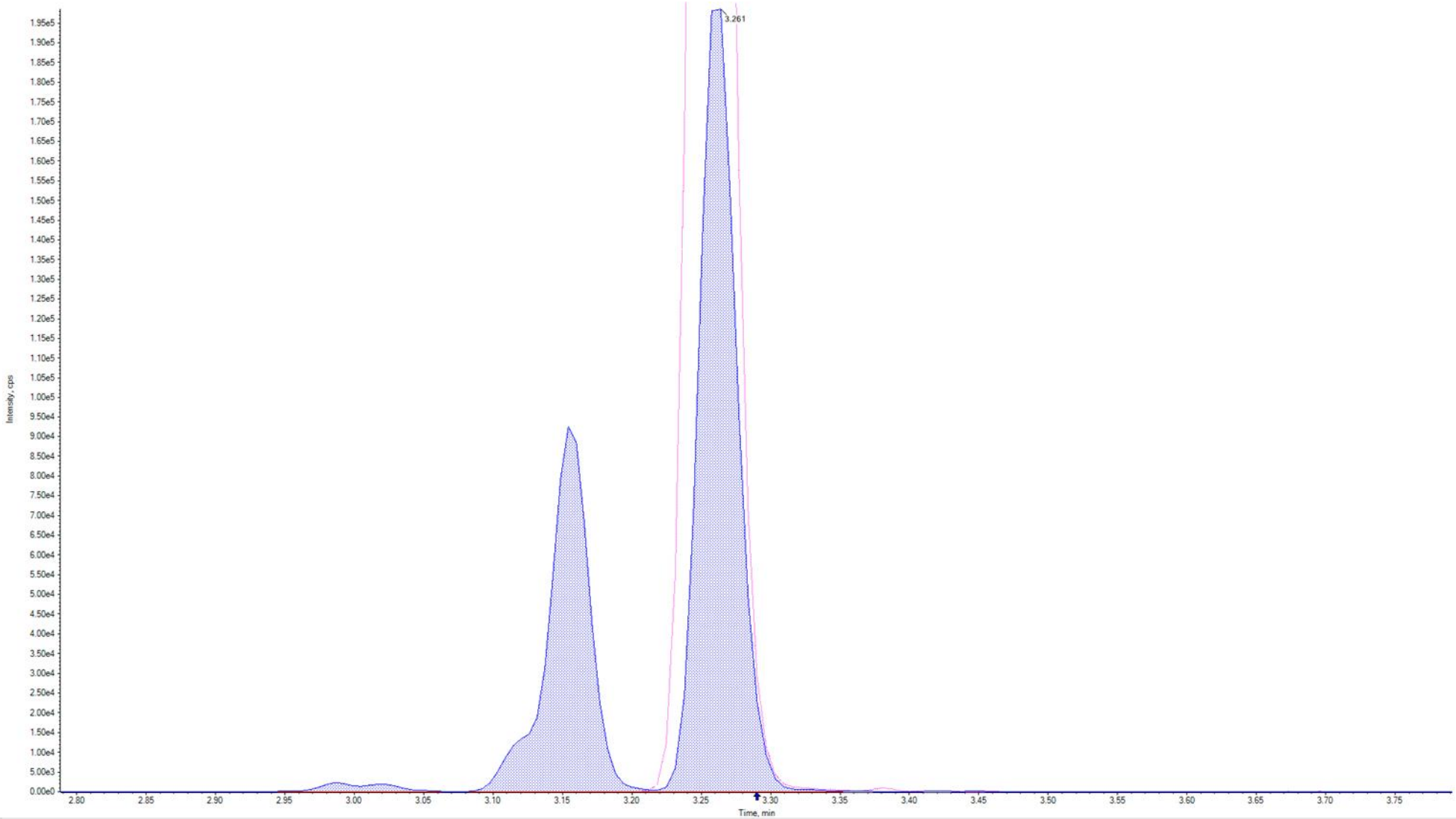
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFOA
Sample: WG2011094-17,1633FMED S/N:659.4 Points Across peak:70



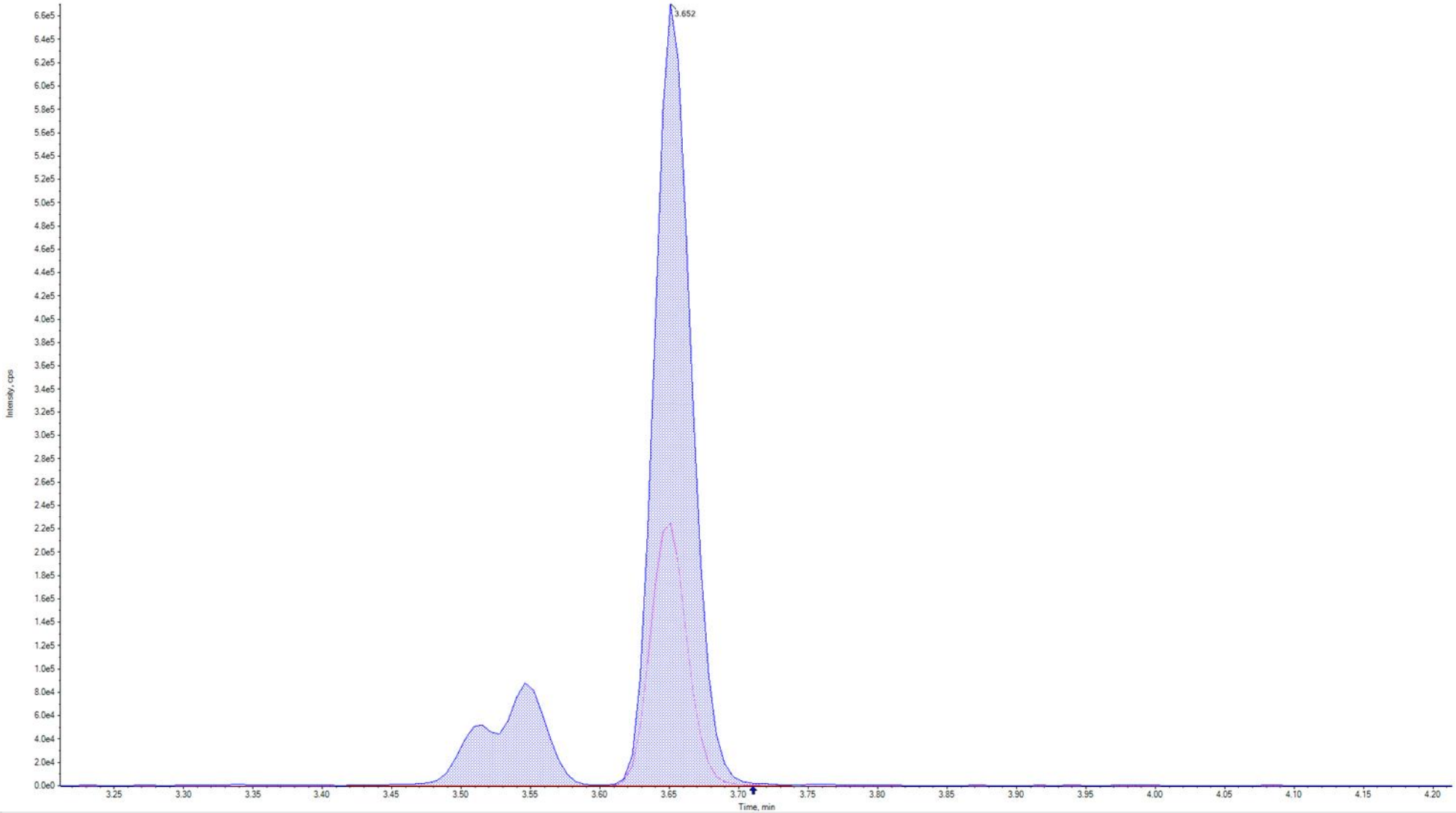
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFOA_2
Sample: WG2011094-17,1633FMED S/N:488.1 Points Across peak:71



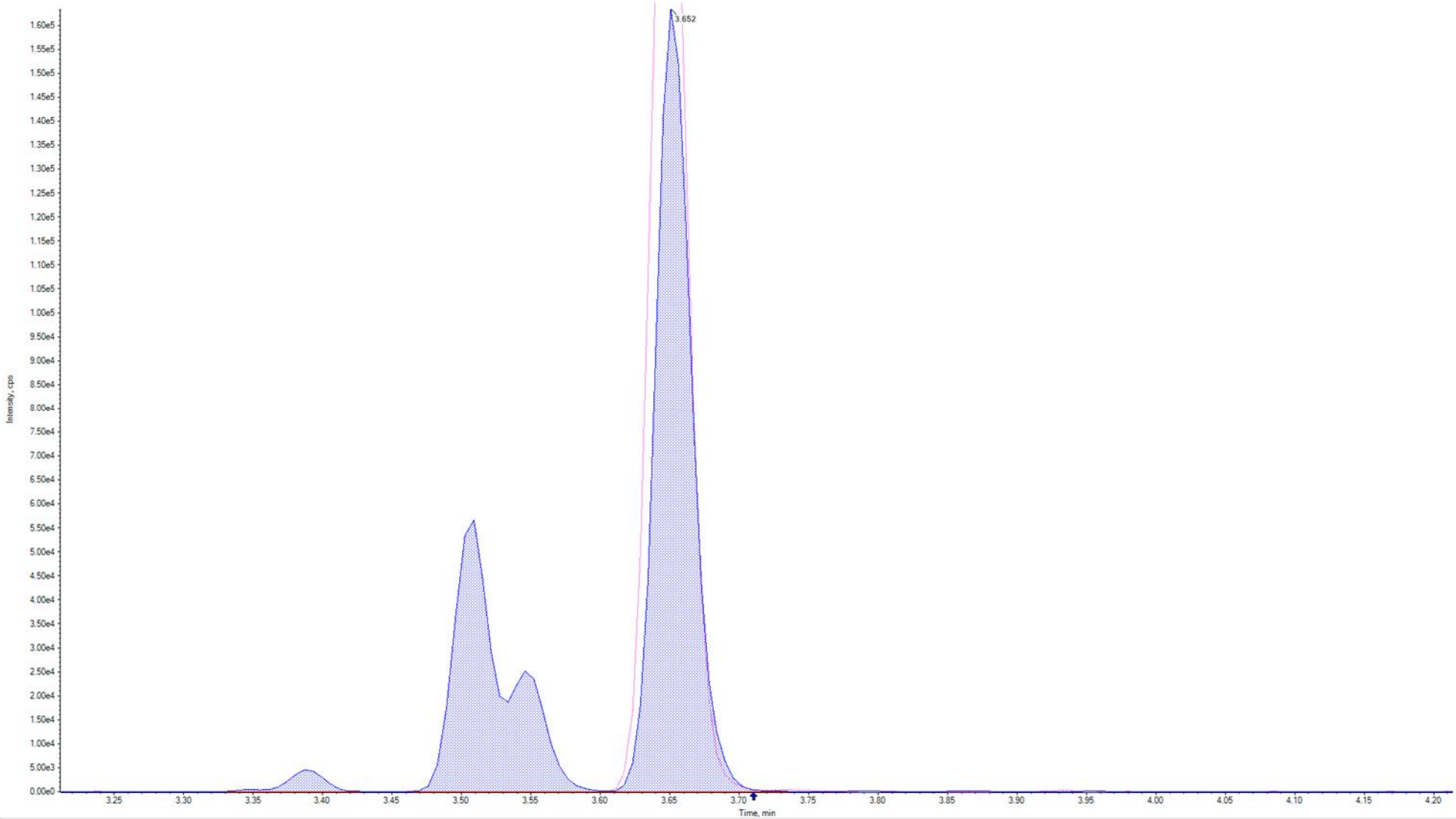
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFNA
Sample: WG2011094-17,1633FMED S/N:772.1 Points Across peak:55



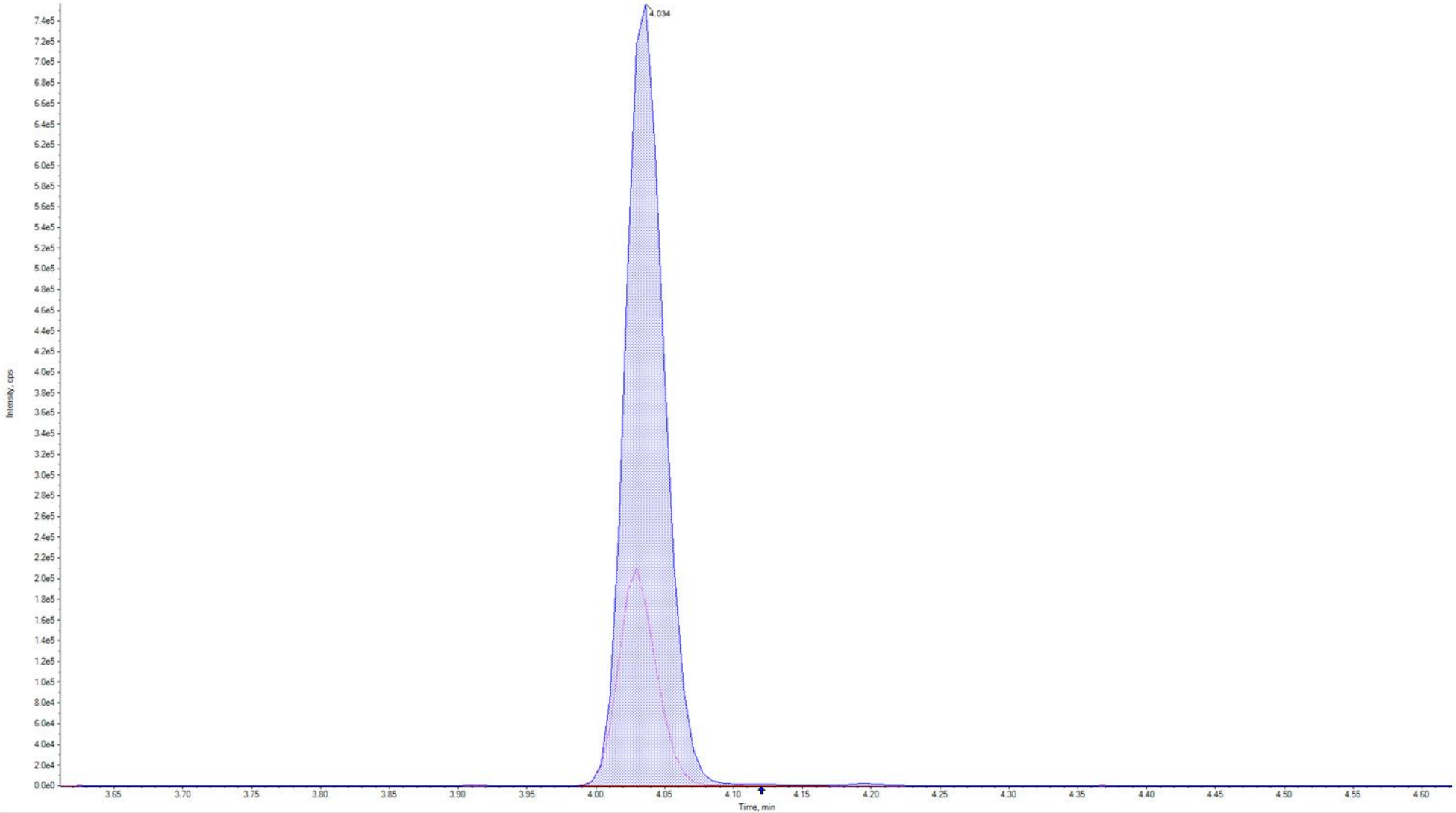
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFNA_2
Sample: WG2011094-17,1633FMED S/N:488.5 Points Across peak:70



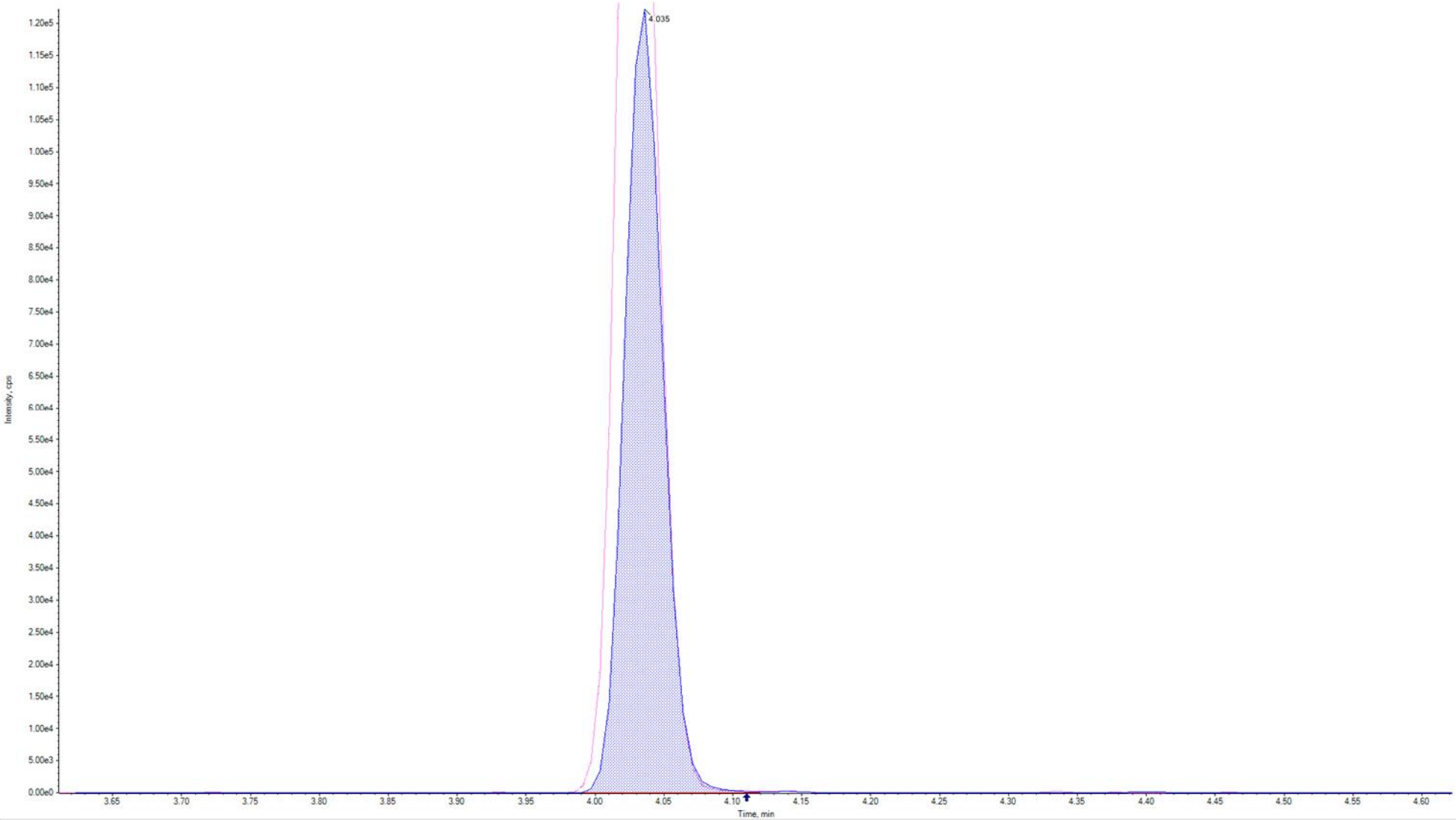
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFDA
Sample: WG2011094-17,1633FMED S/N:5476.4 Points Across peak:32



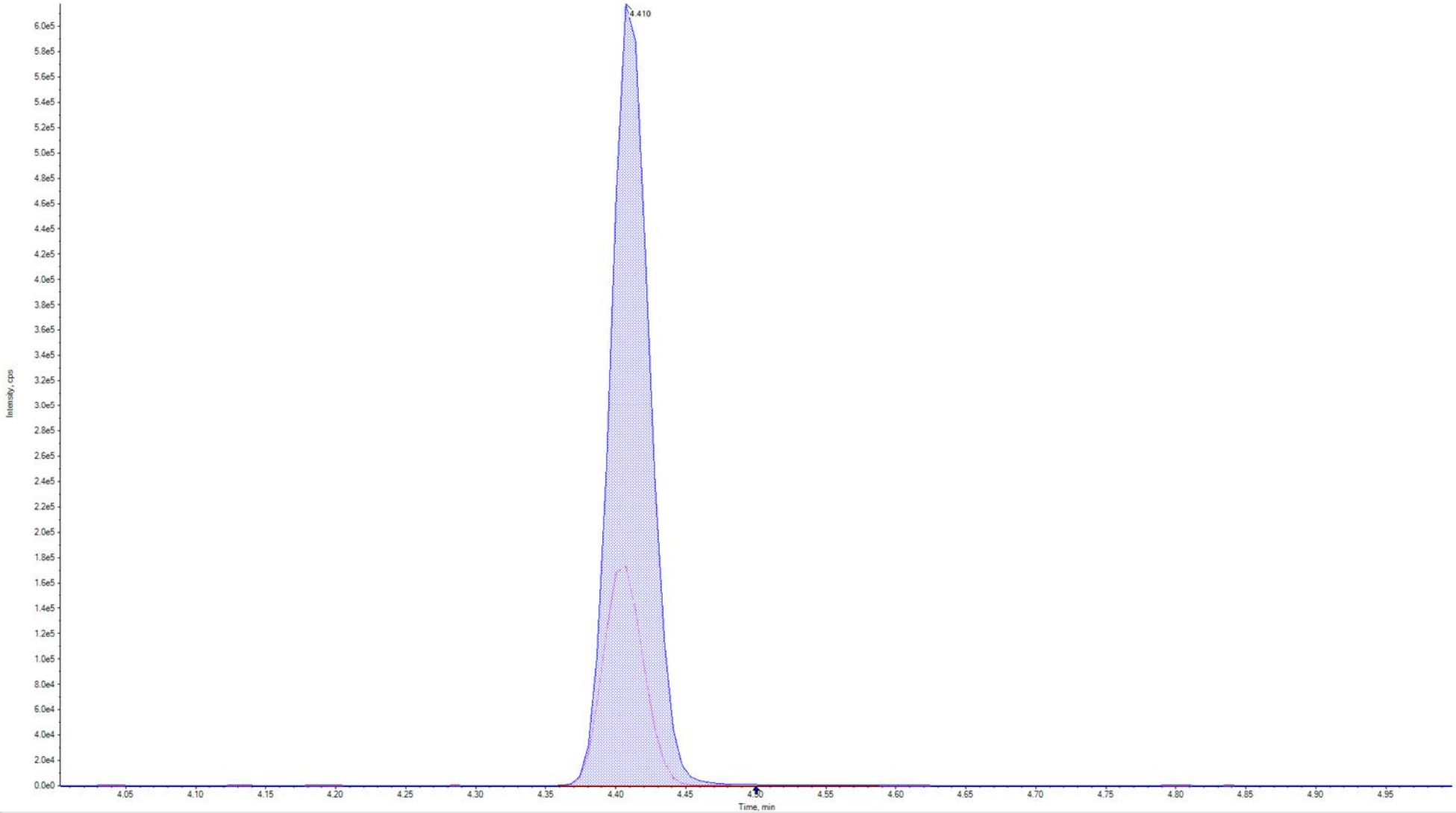
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFDA_2
Sample: WG2011094-17,1633FMED S/N:2450.9 Points Across peak:23



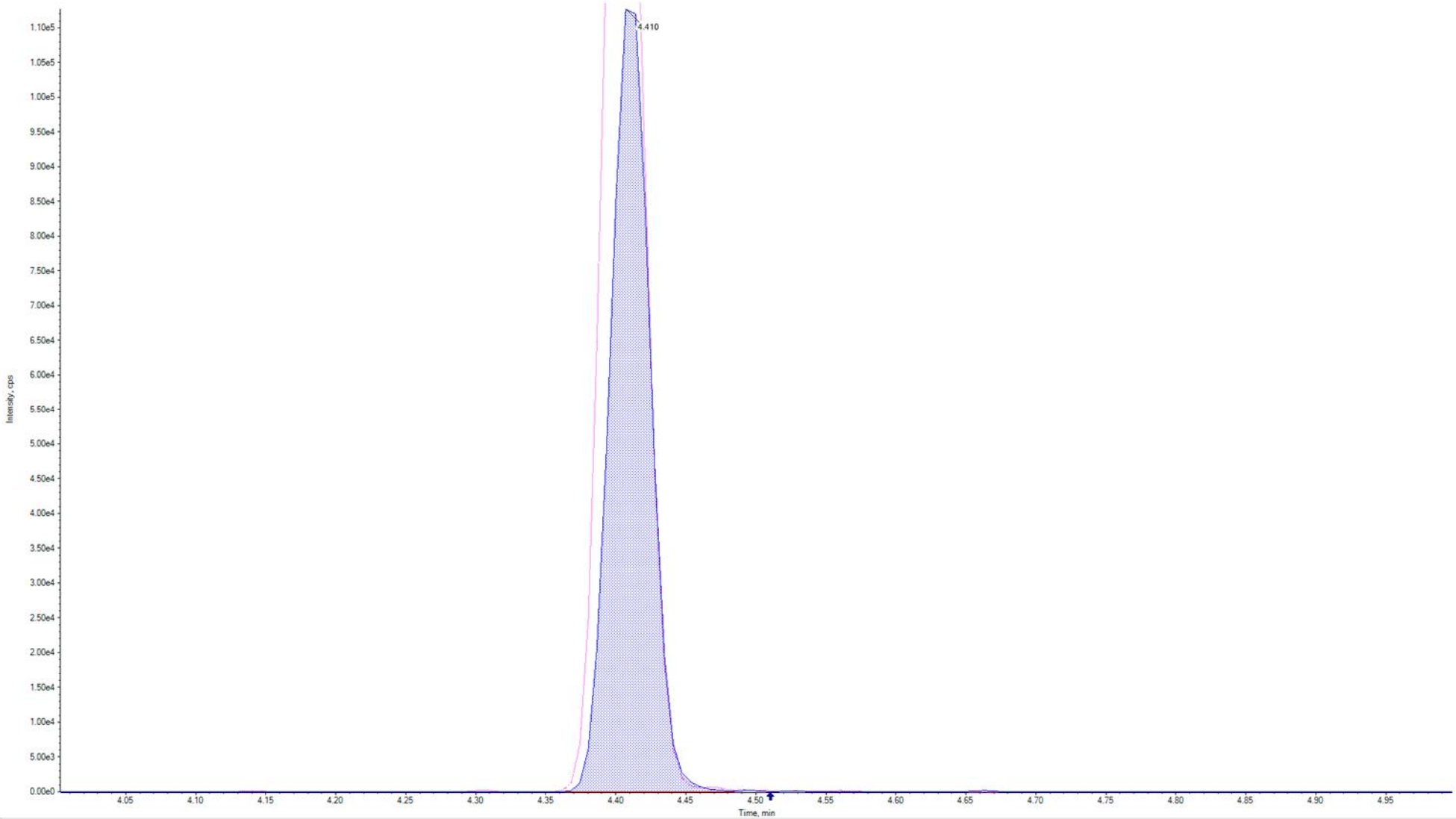
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFUnA
Sample: WG2011094-17,1633FMED S/N:9435.0 Points Across peak:38



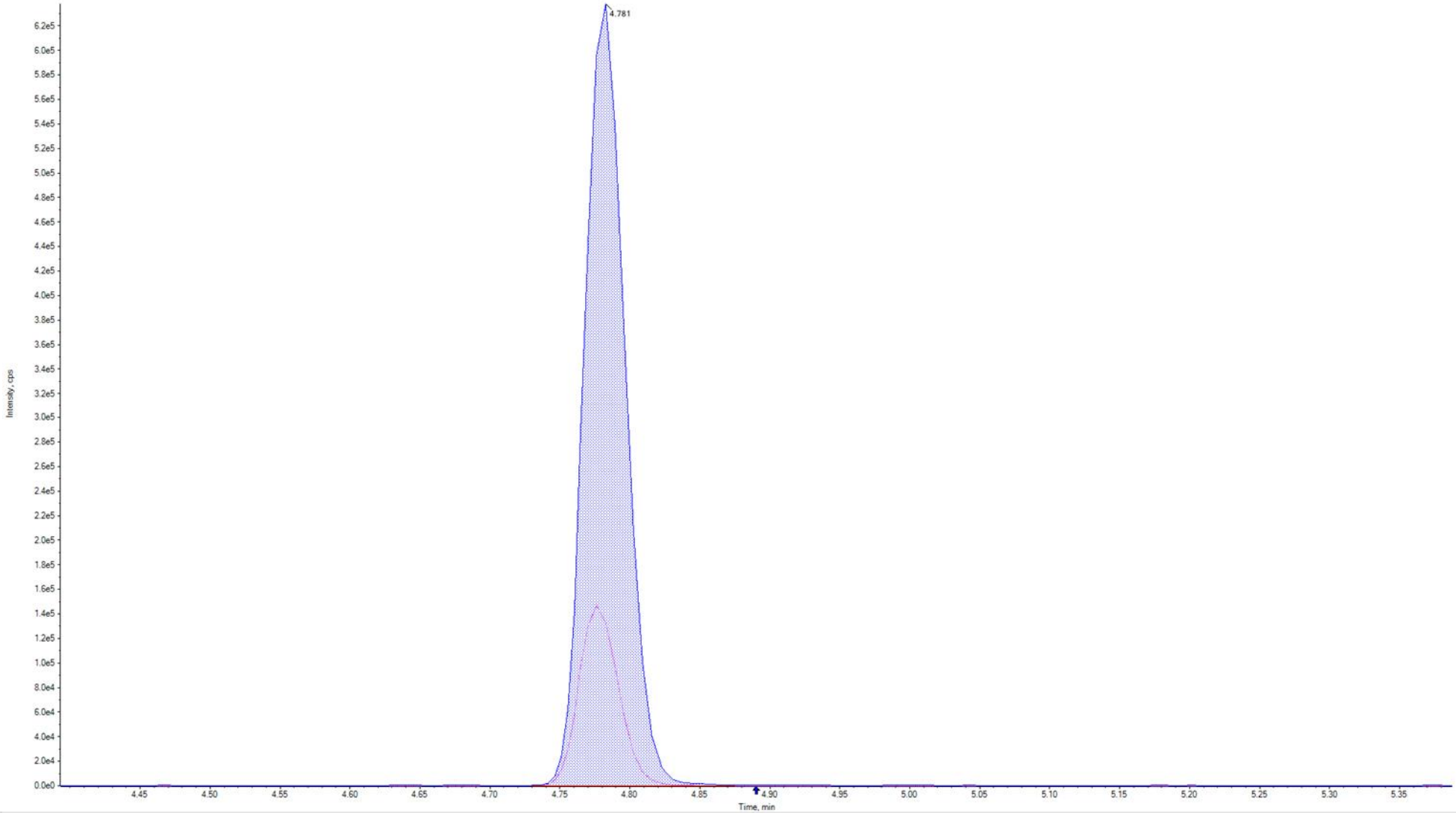
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFUnA_2
Sample: WG2011094-17,1633FMED S/N:2542.2 Points Across peak:25



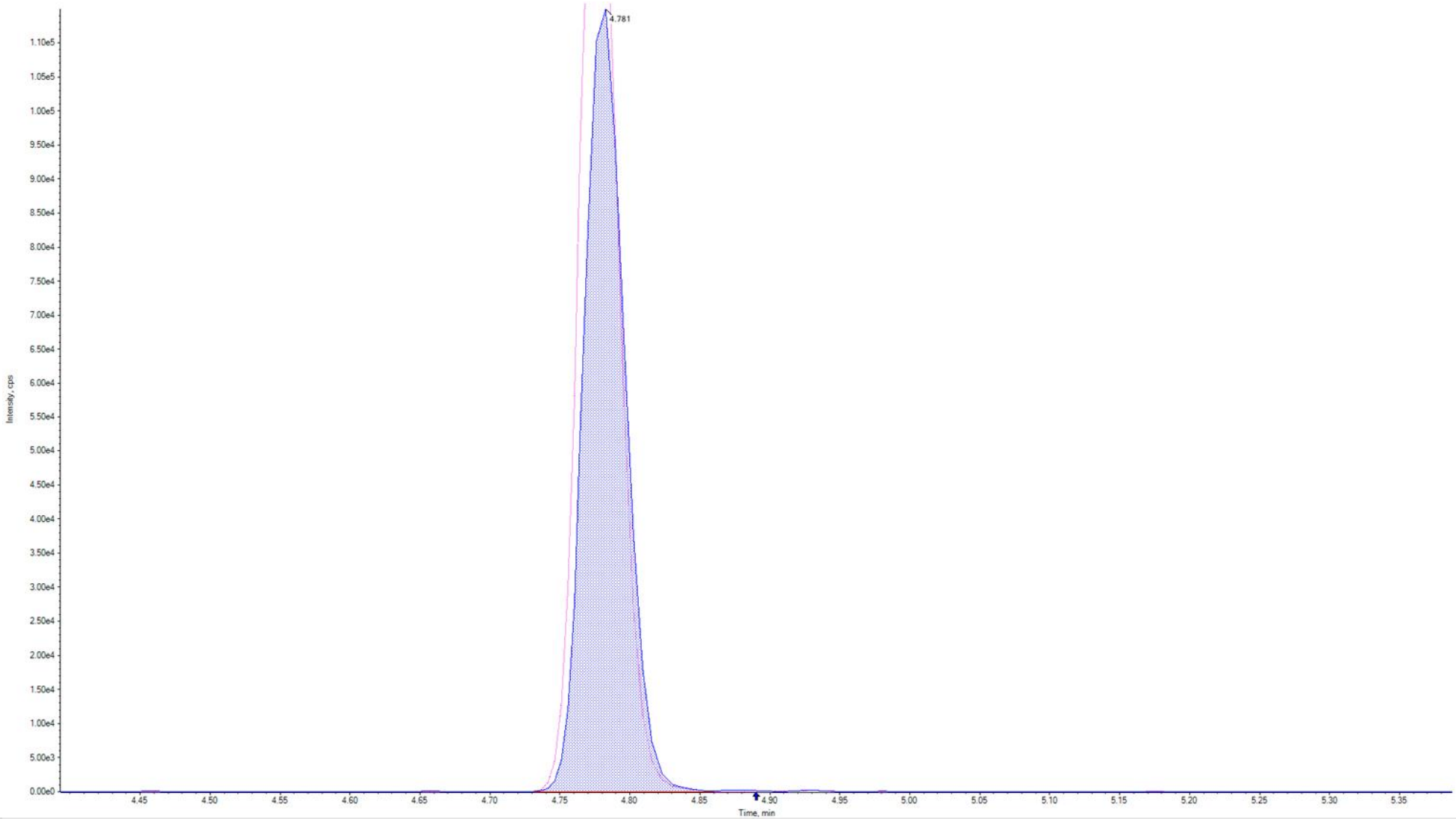
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFDoA
Sample: WG2011094-17,1633FMED S/N:11387.5 Points Across peak:27



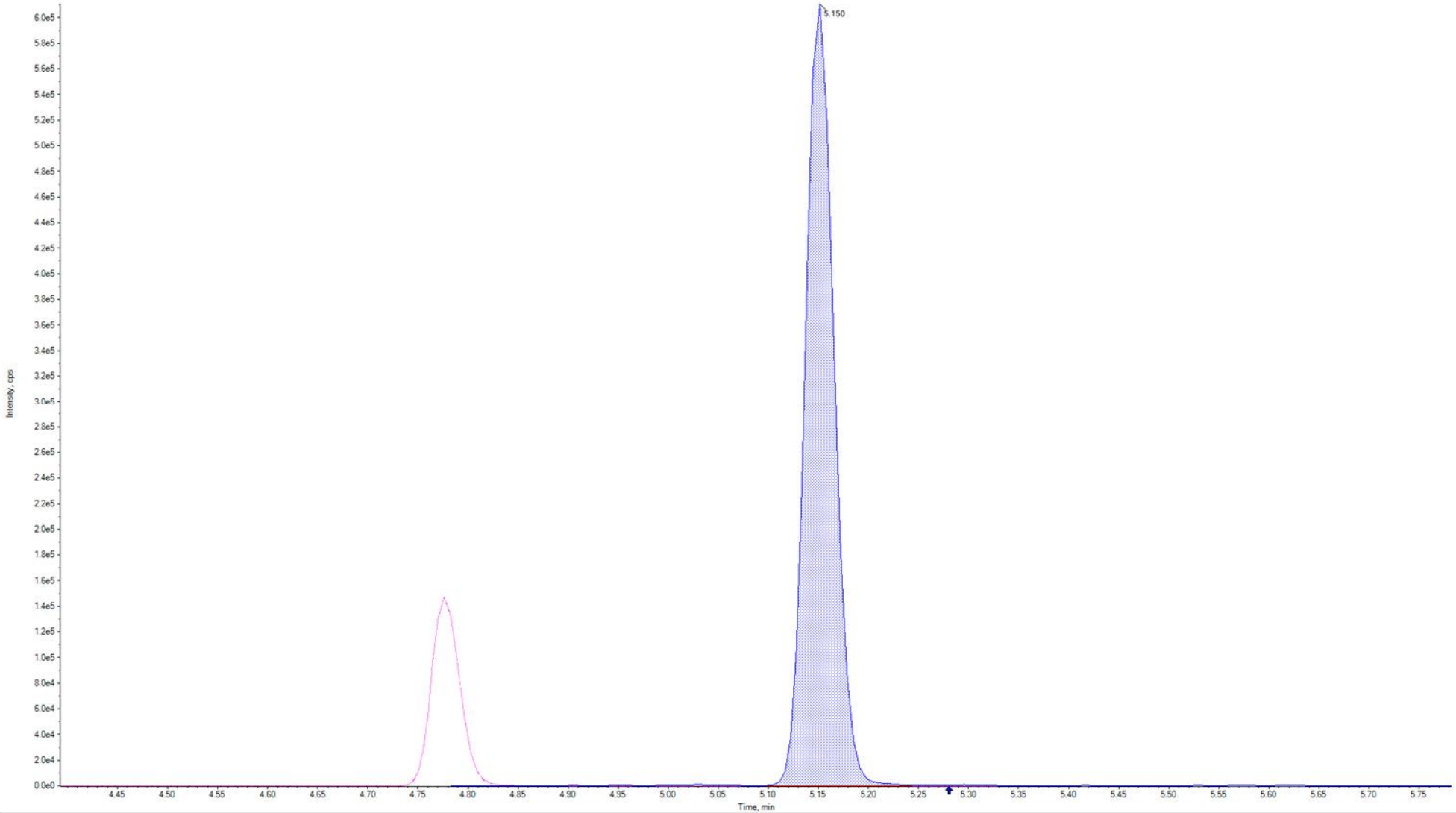
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFDoA_2
Sample: WG2011094-17,1633FMED S/N:3169.5 Points Across peak:29



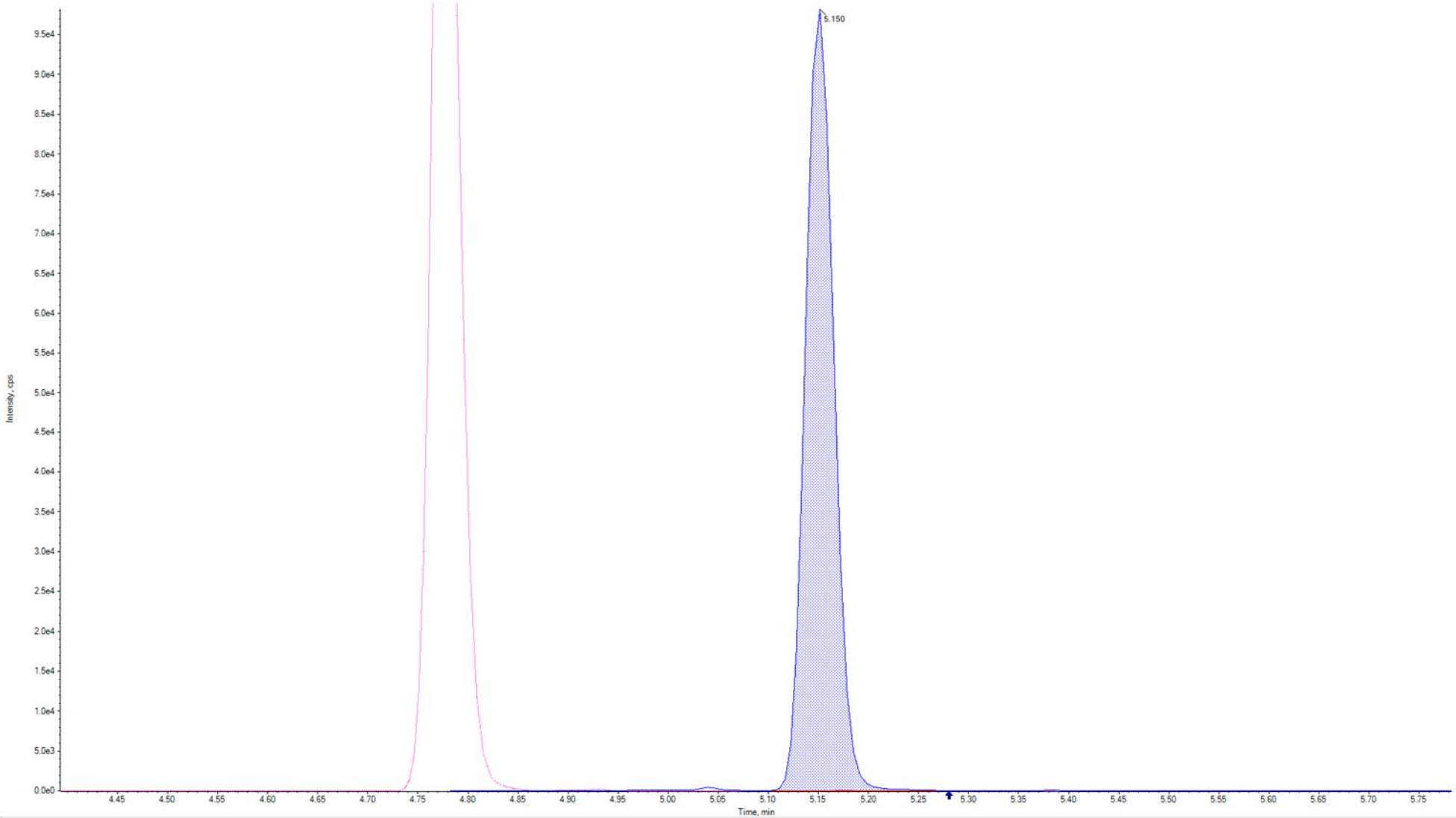
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFTrDA
Sample: WG2011094-17,1633FMED S/N:3047.3 Points Across peak:26



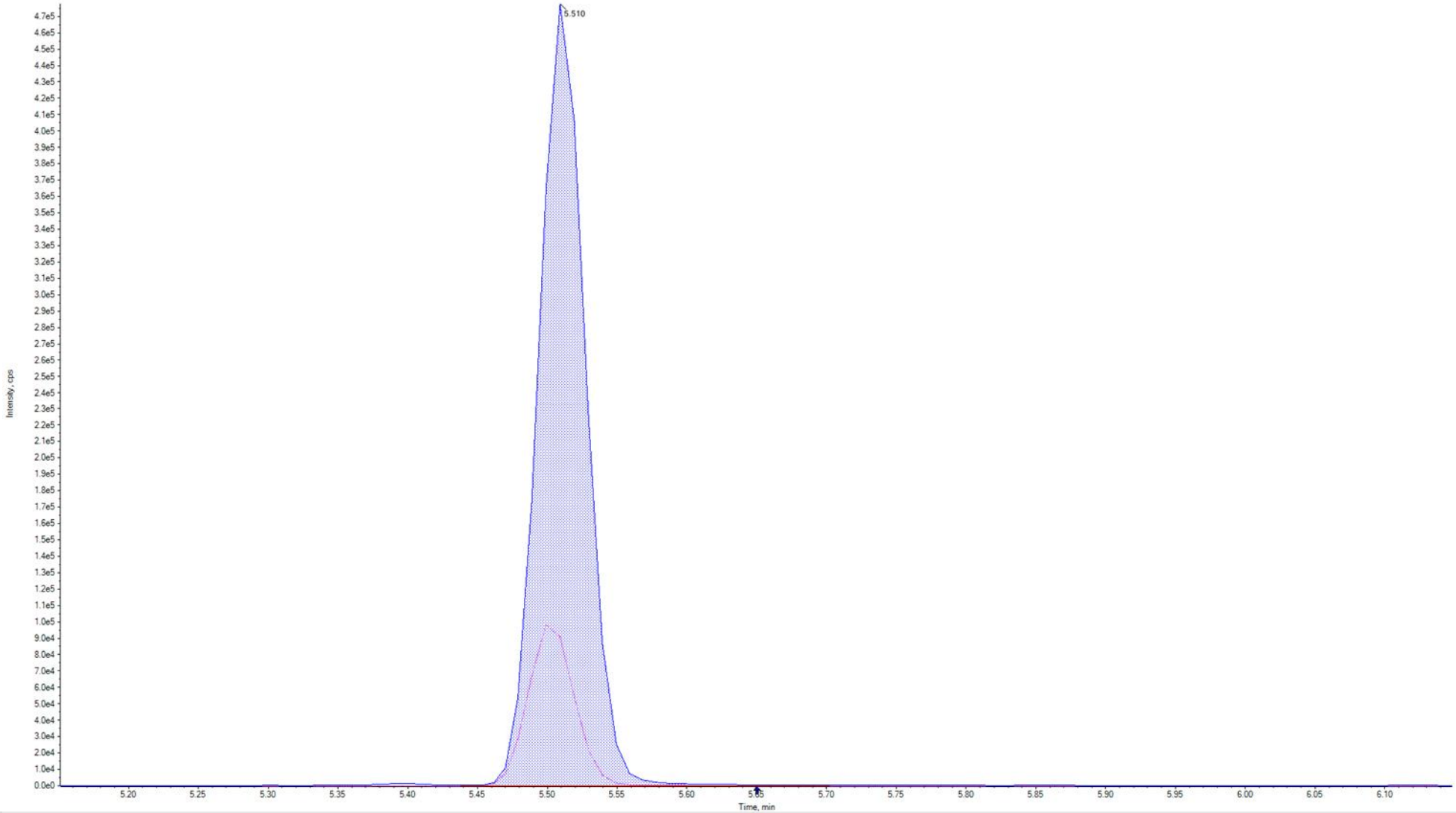
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFTrDA_2
Sample: WG2011094-17,1633FMED S/N:2054.0 Points Across peak:30



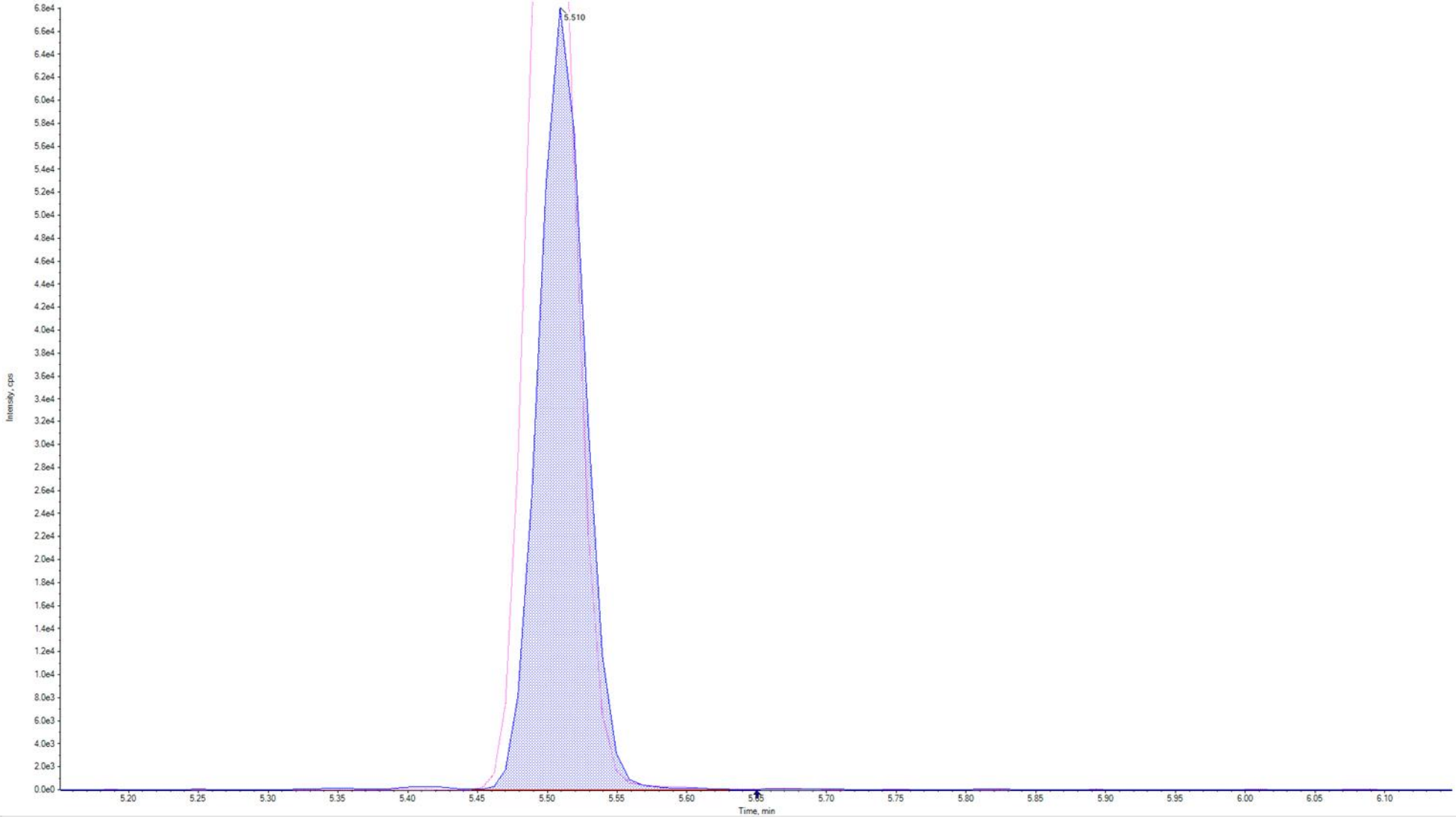
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFTeDA
Sample: WG2011094-17,1633FMED S/N:2605.8 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFTeDA_2
Sample: WG2011094-17,1633FMED S/N:1767.1 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 12:10:49 PM
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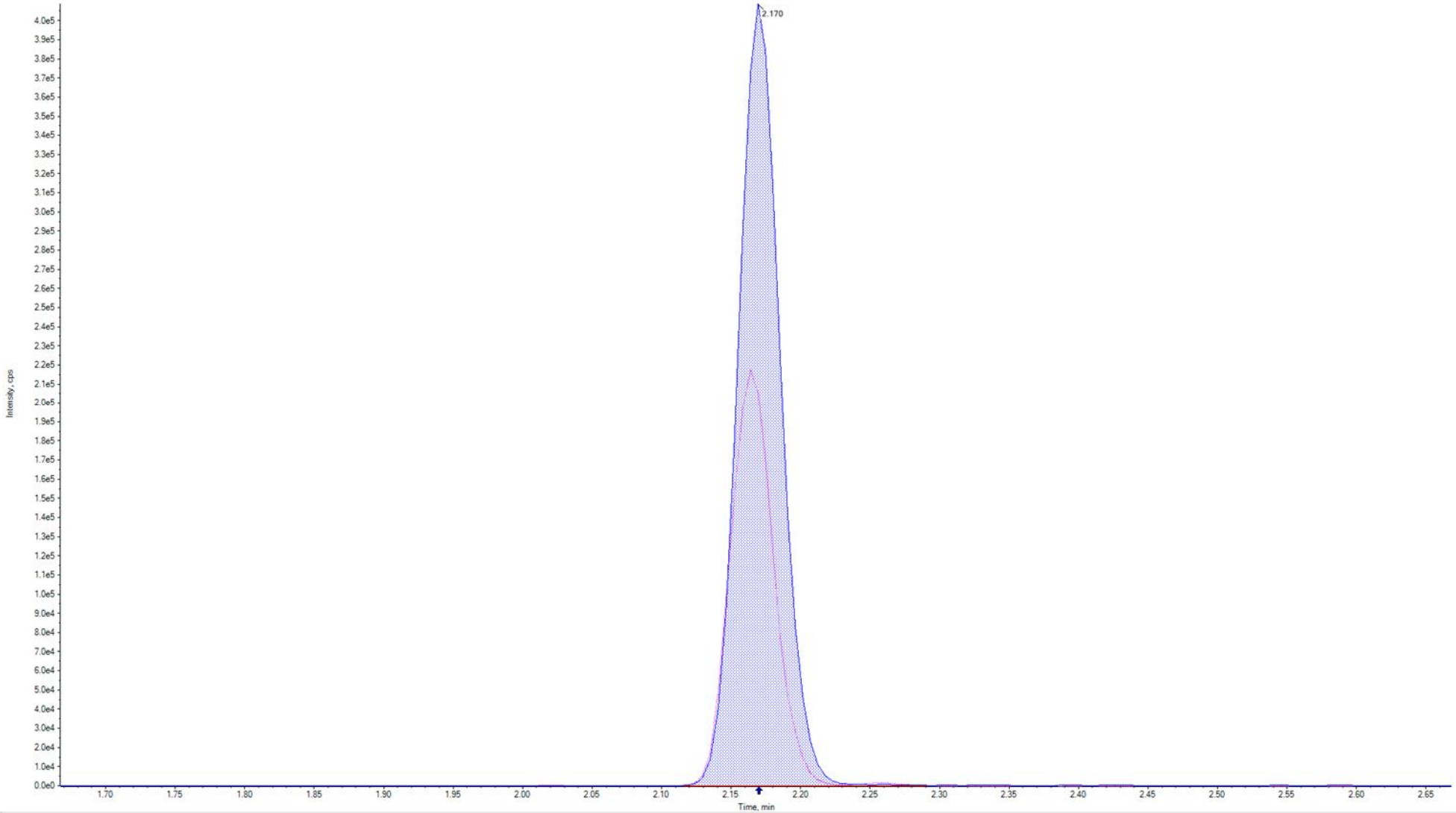
PFBS
Sample: WG2011094-17,1633FMED S/N:10242.7 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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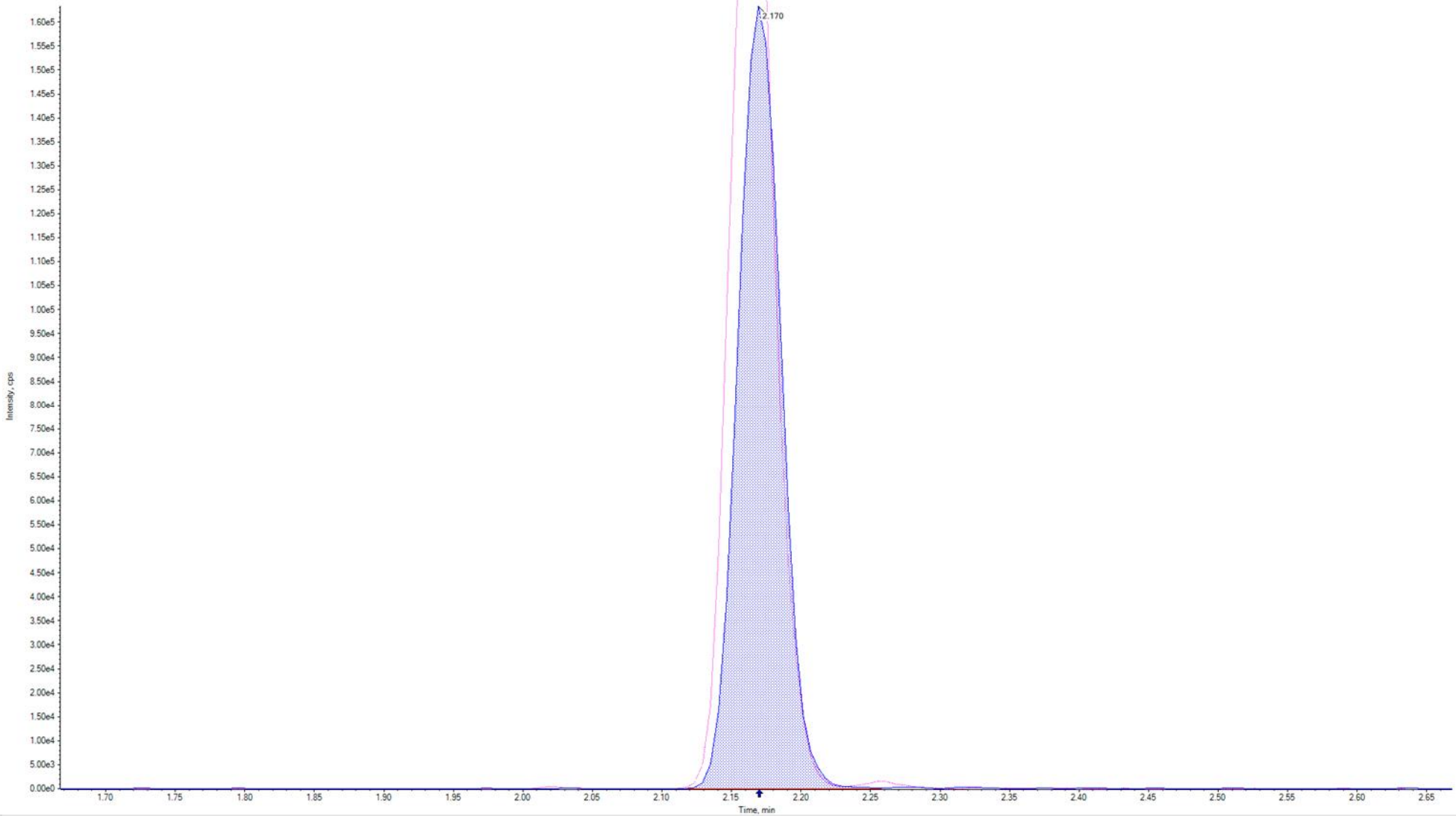
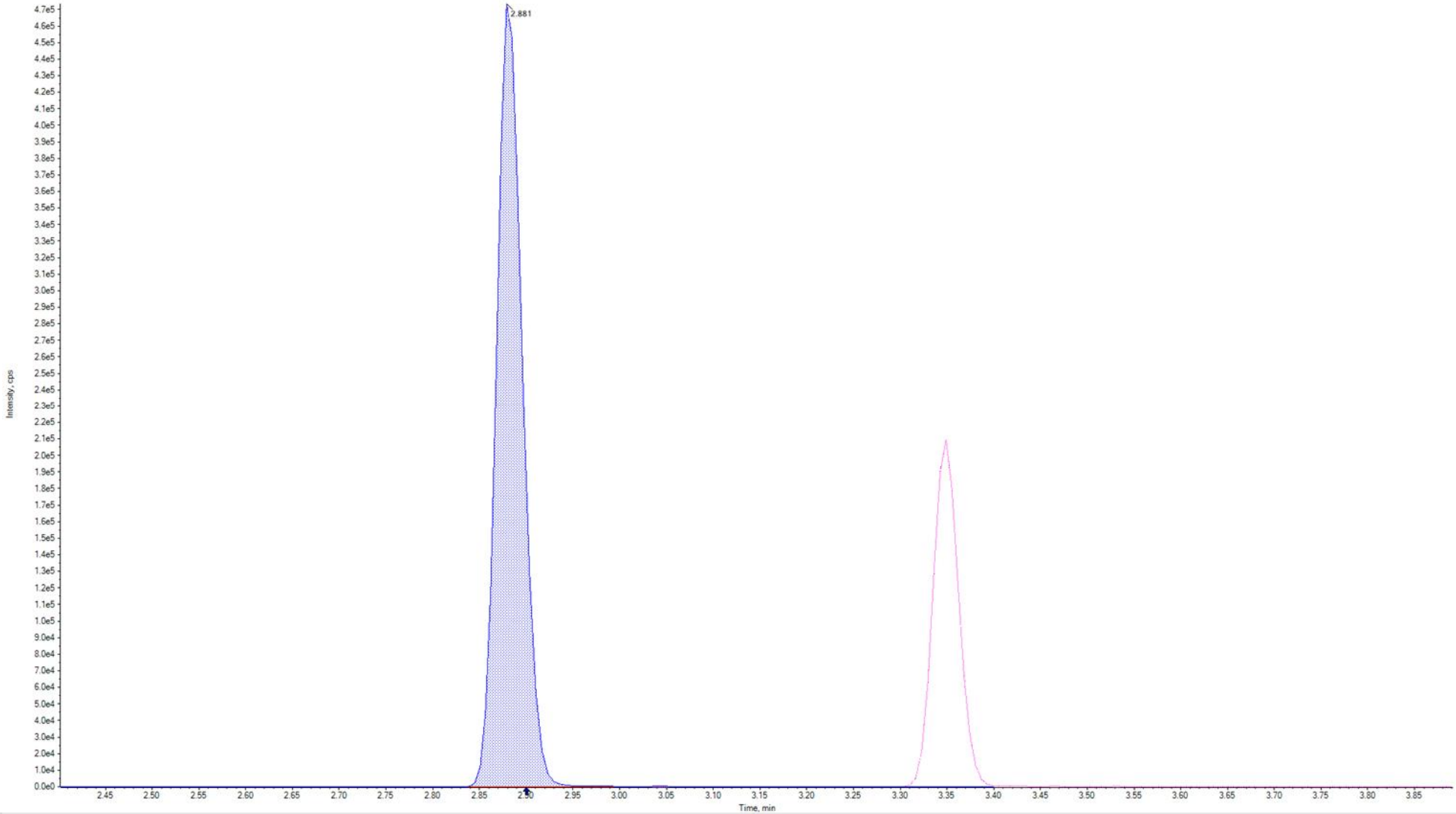
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFBS_2
Sample: WG2011094-17,1633FMED S/N:4093.5 Points Across peak:29



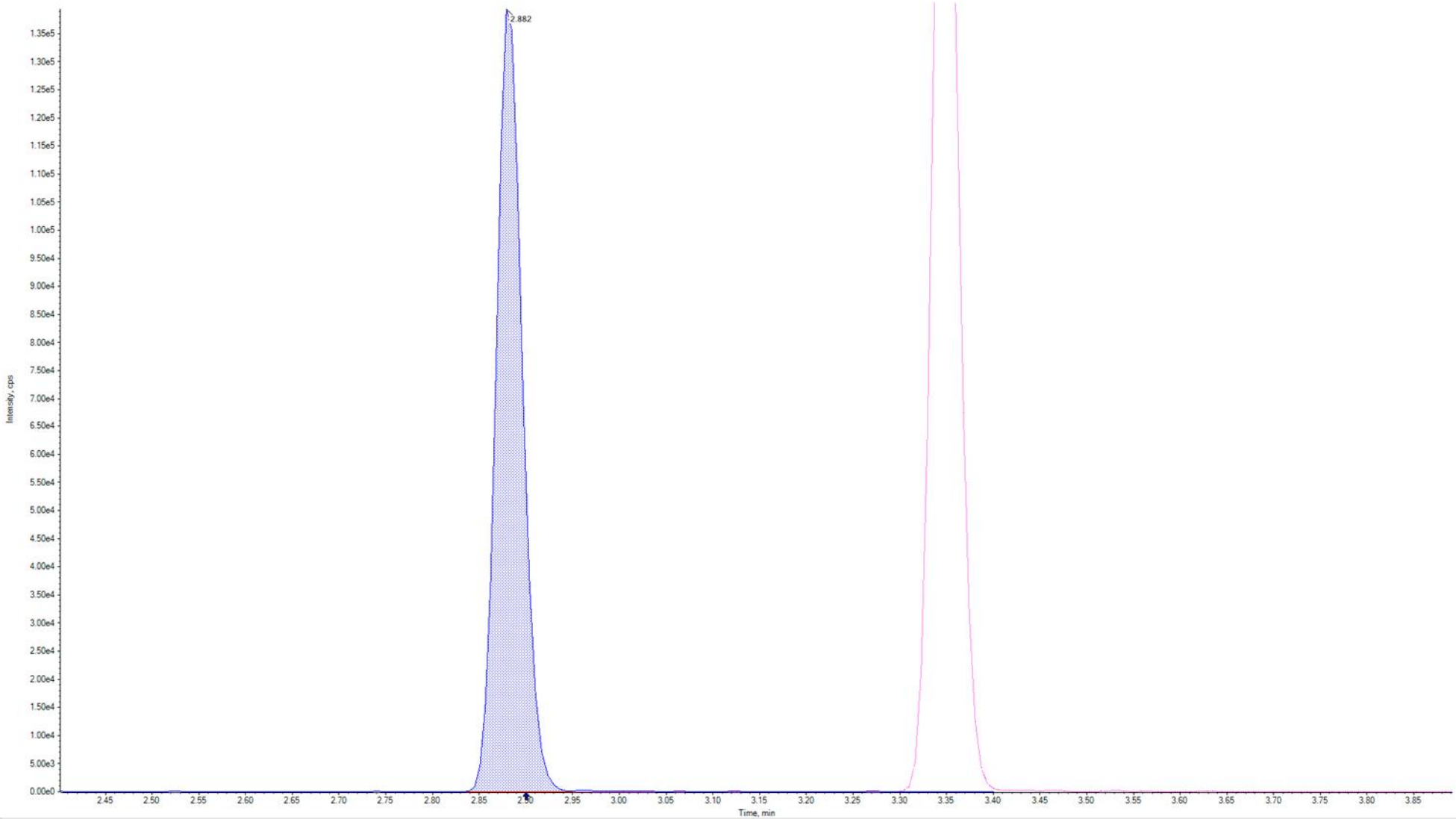
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFPeS
Sample: WG2011094-17,1633FMED S/N:9492.5 Points Across peak:31



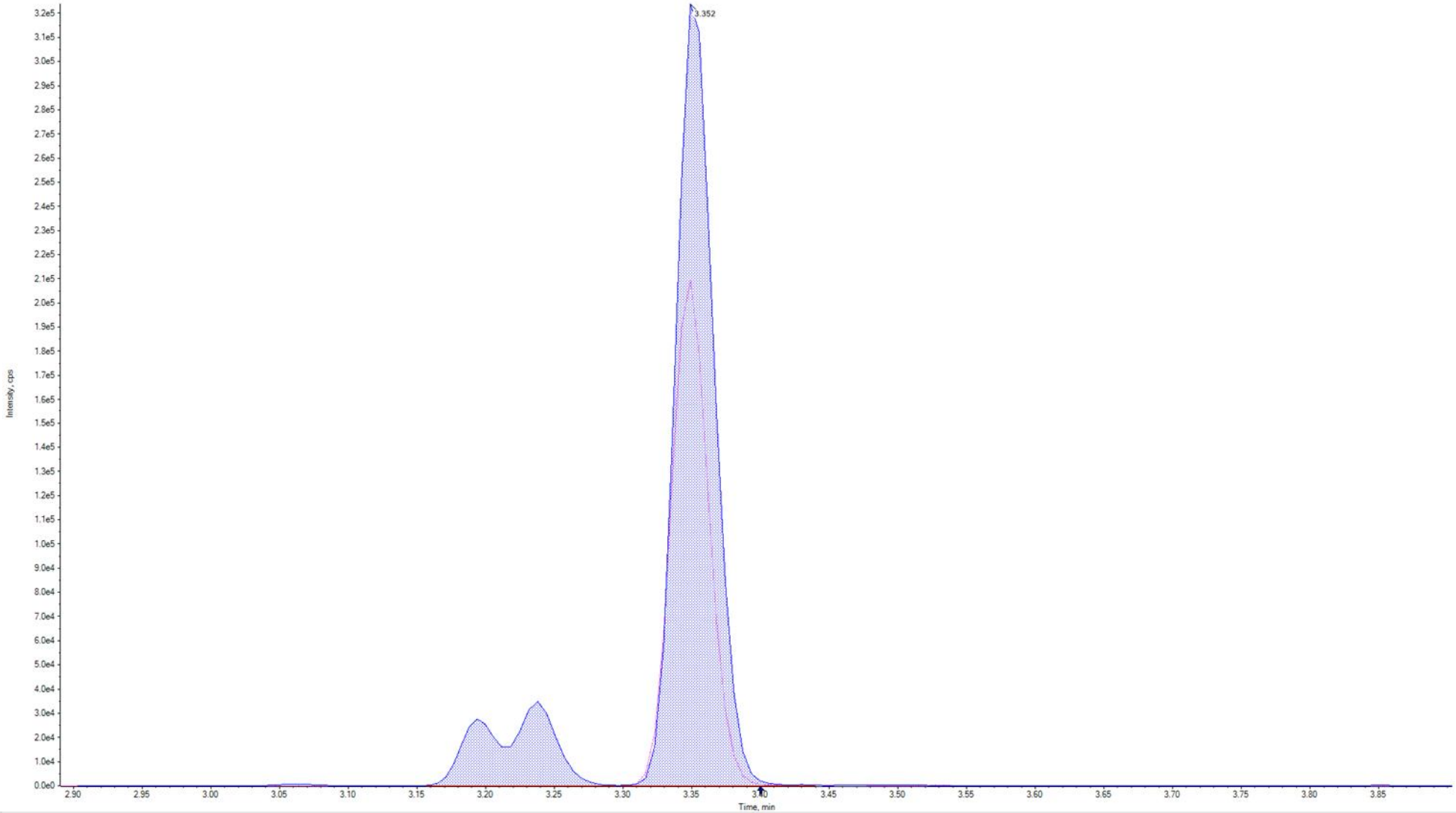
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFPeS_2
Sample: WG2011094-17,1633FMED S/N:2794.6 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFHxS
Sample: WG2011094-17,1633FMED S/N:913.4 Points Across peak:47



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
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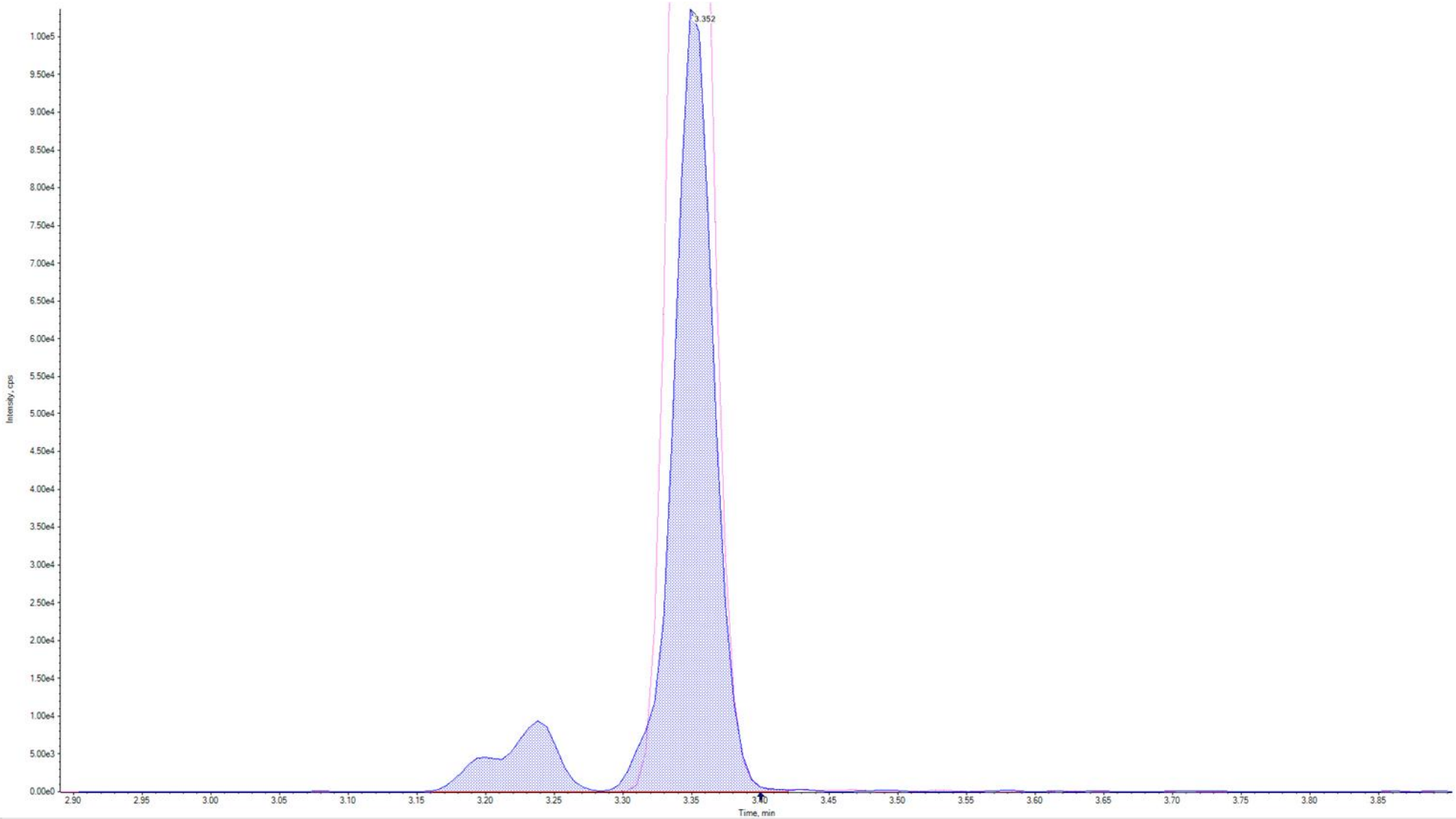
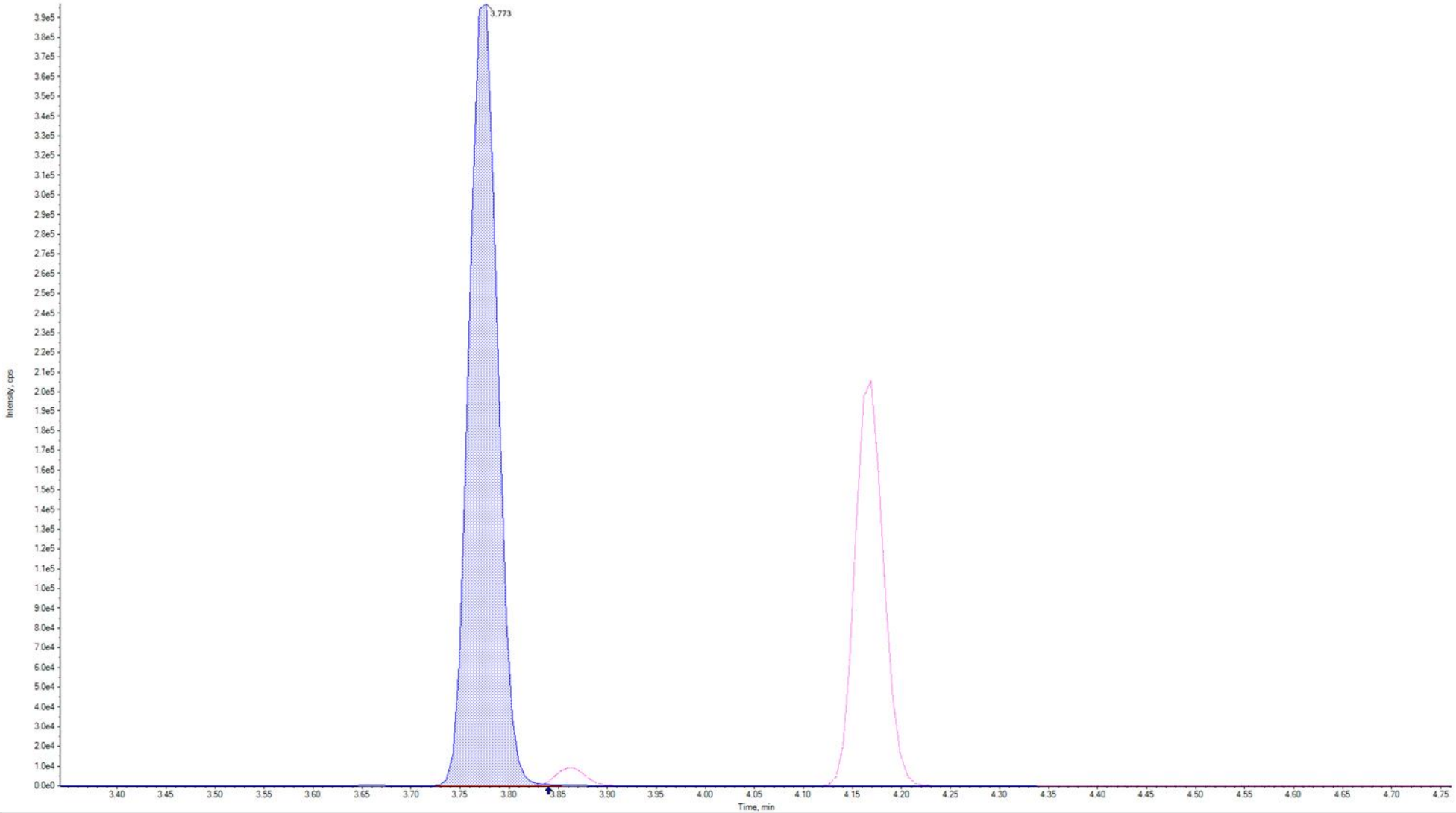
PFHxS_2
Sample: WG2011094-17,1633FMED S/N:918.3 Points Across peak:43



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFHpS
Sample: WG2011094-17,1633FMED S/N:7958.6 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 12:10:49 PM
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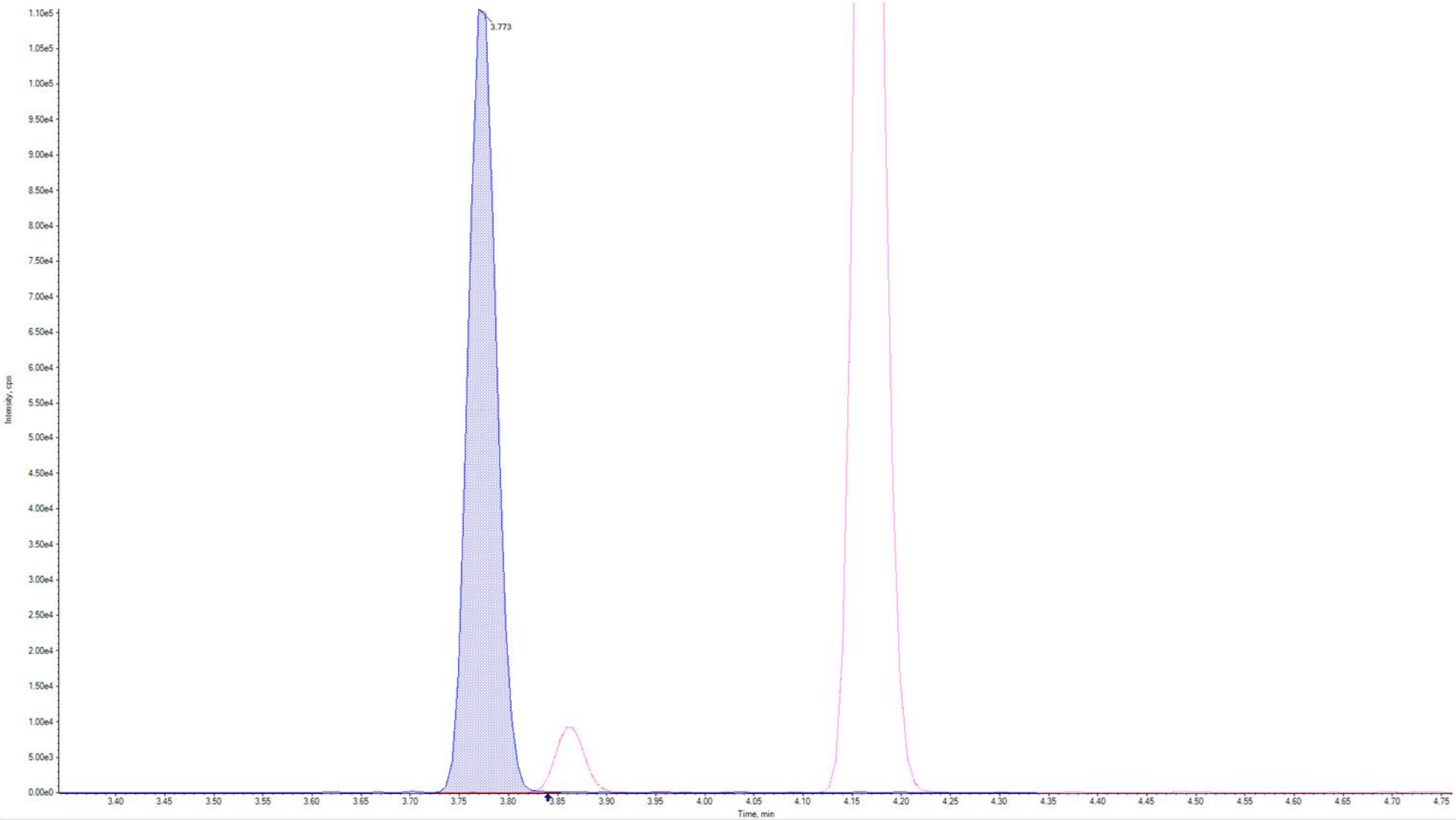
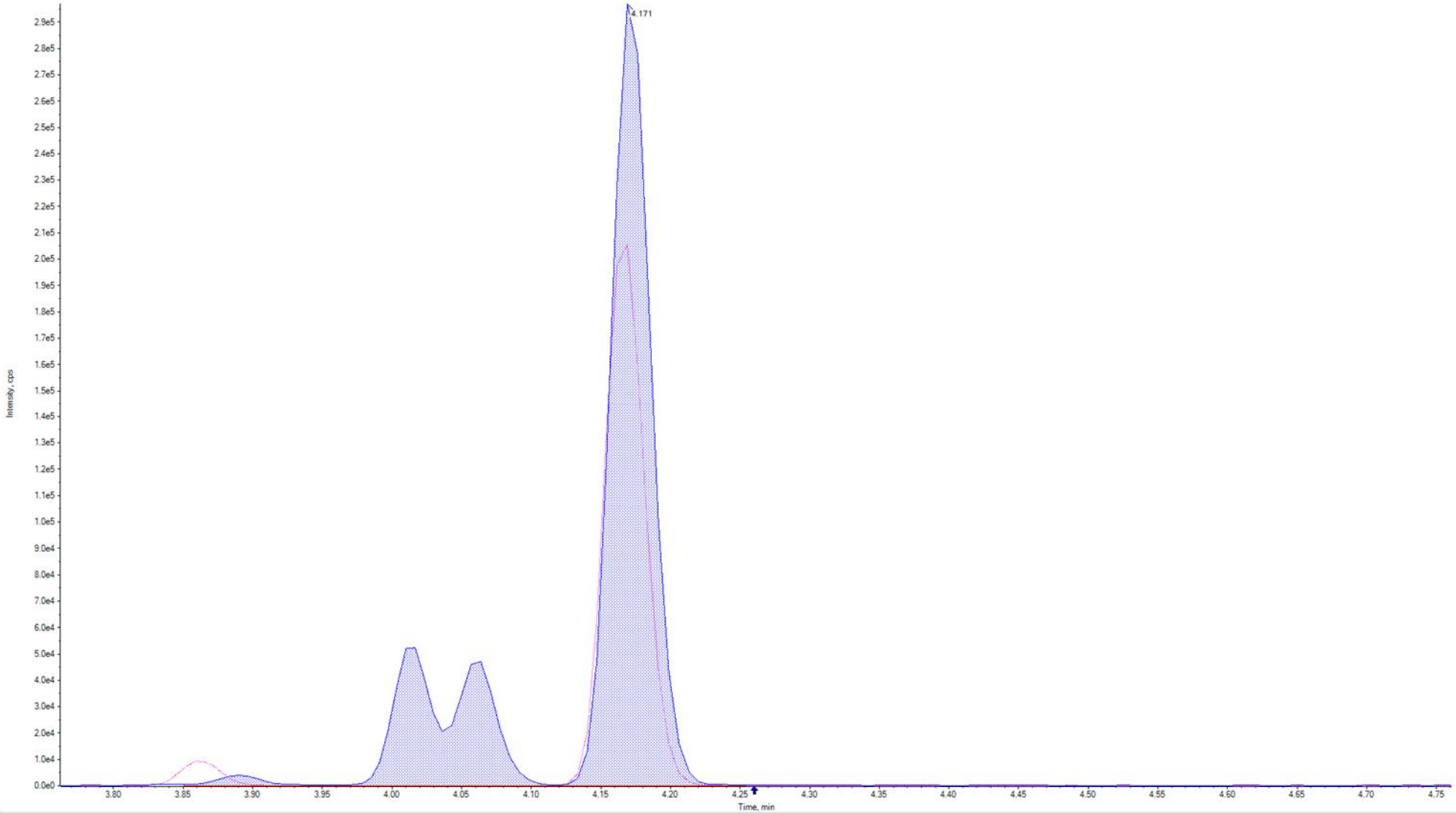
PFHpS_2
Sample: WG2011094-17,1633FMED S/N:2216.9 Points Across peak:21



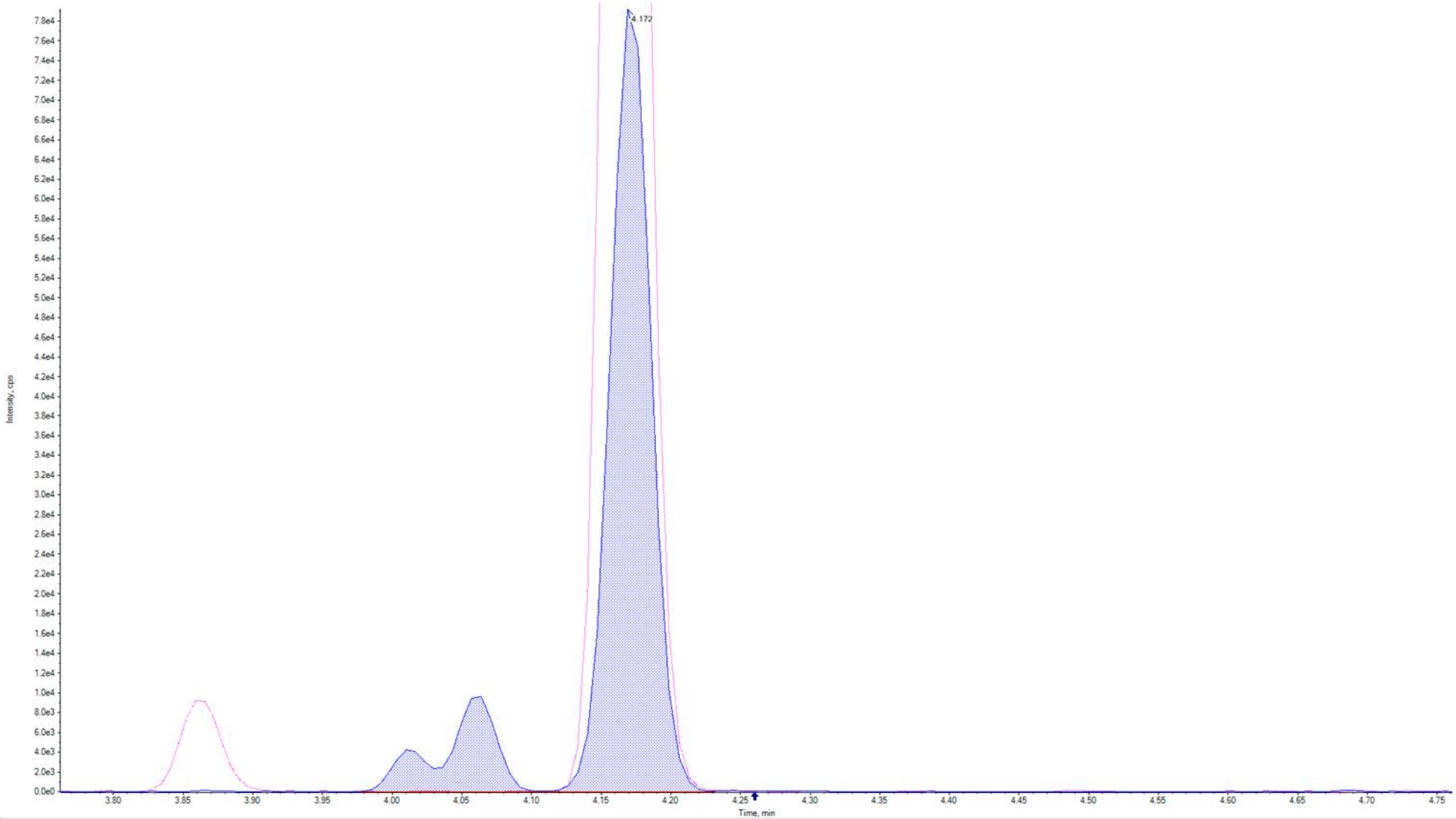
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFOS
Sample: WG2011094-17,1633FMED S/N:523.9 Points Across peak:64



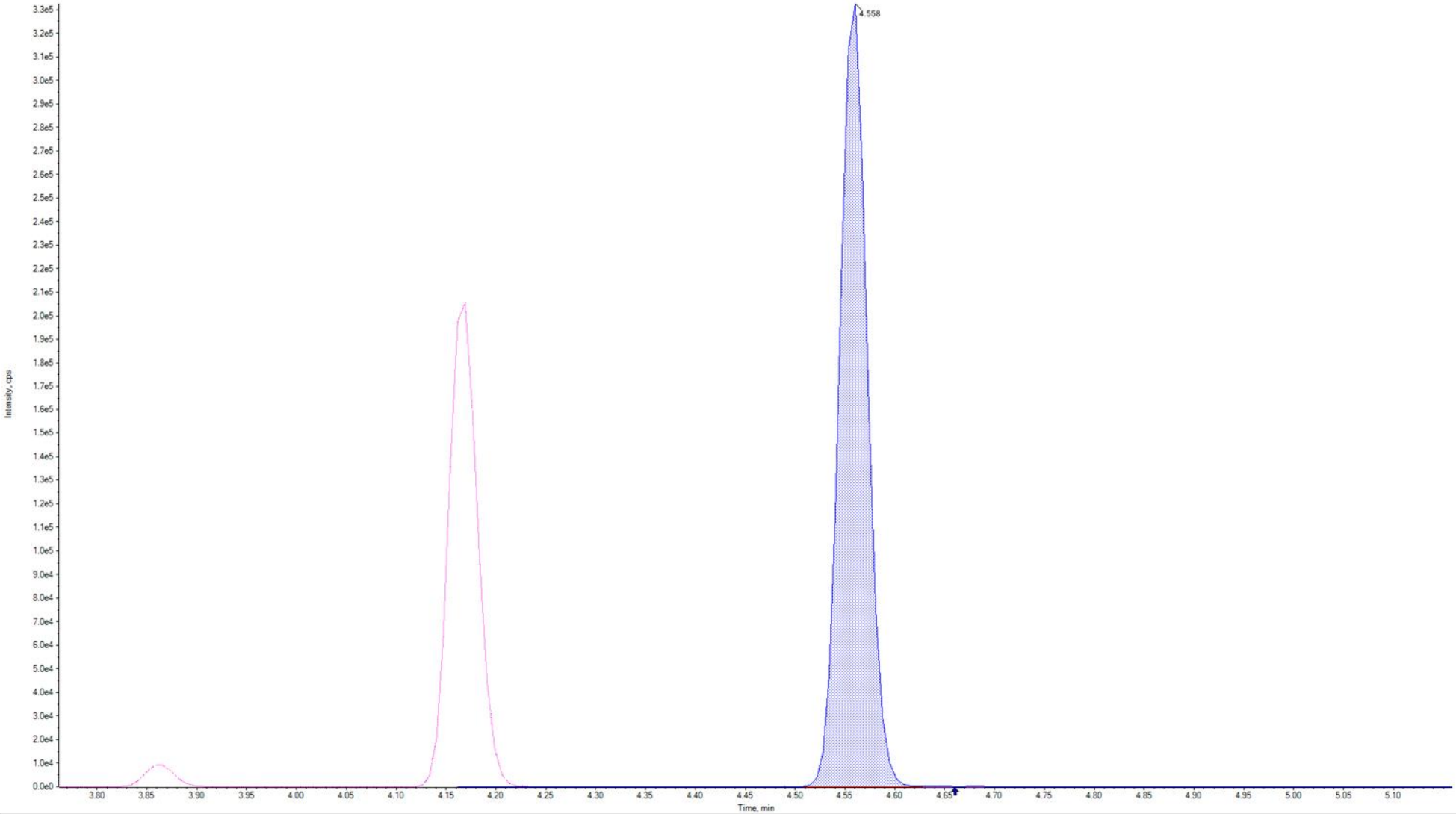
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFOS_2
Sample: WG2011094-17,1633FMED S/N:992.9 Points Across peak:40



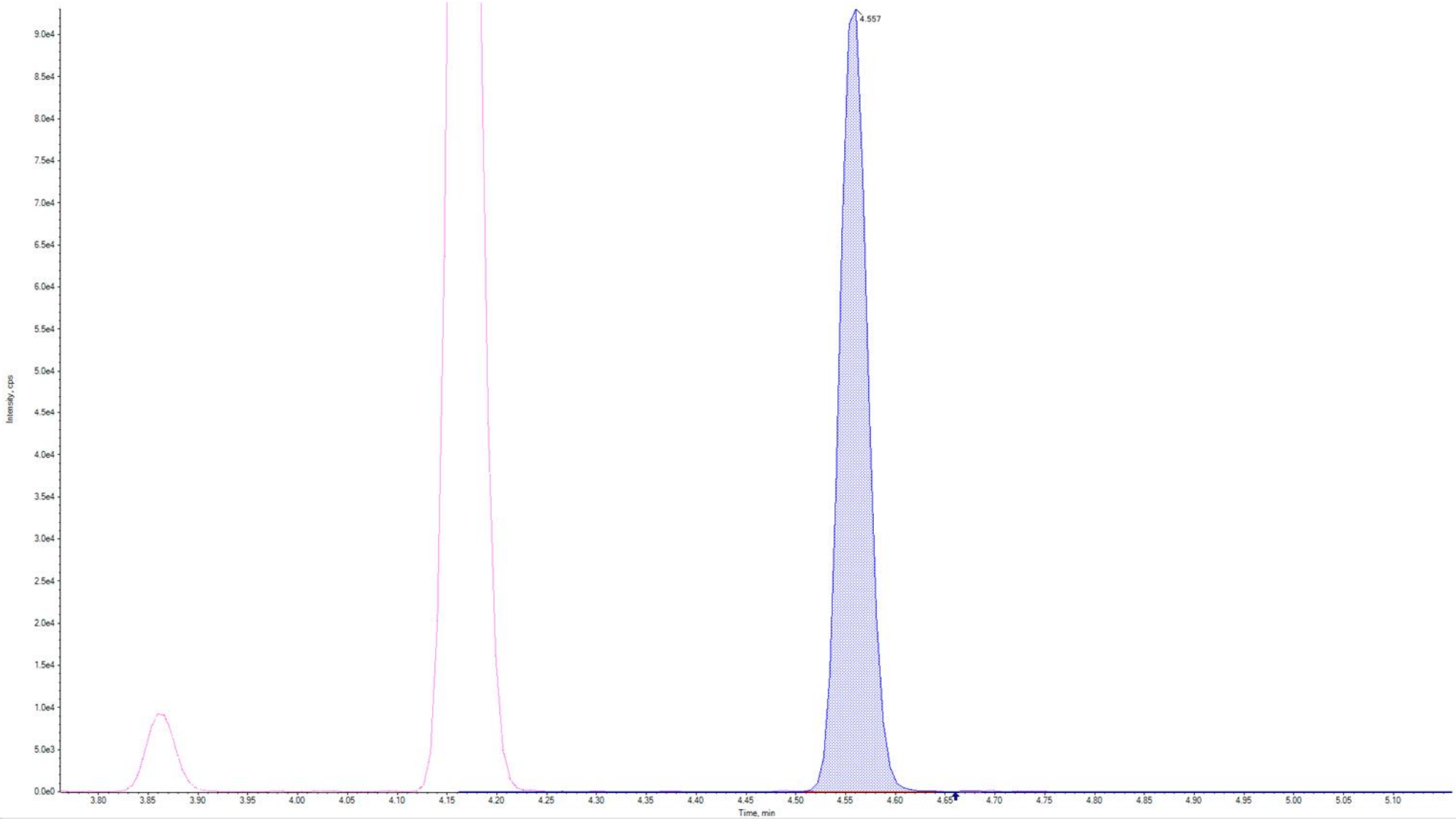
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFNS
Sample: WG2011094-17,1633FMED S/N:4524.8 Points Across peak:23



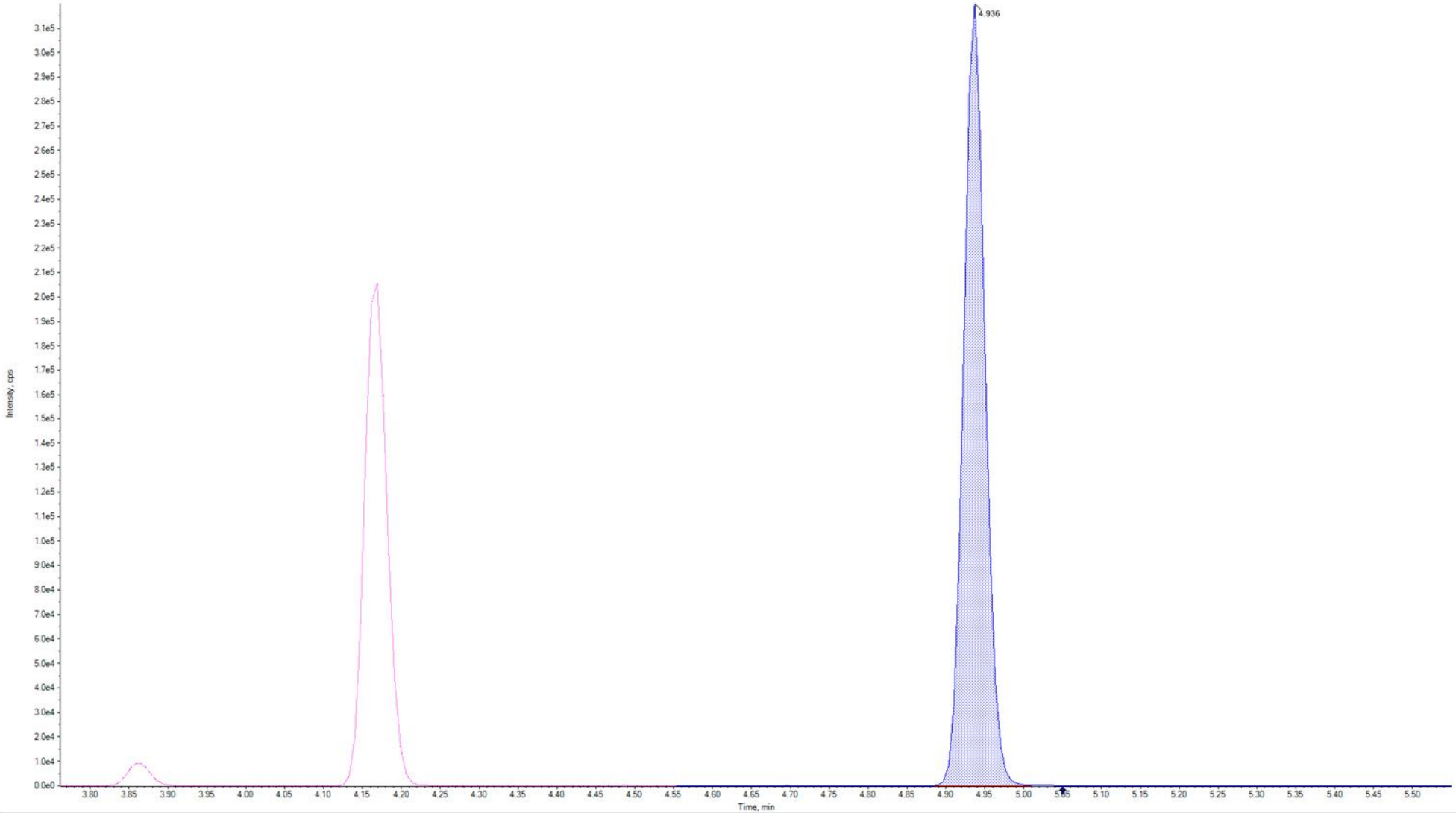
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFNS_2
Sample: WG2011094-17,1633FMED S/N:2332.0 Points Across peak:29



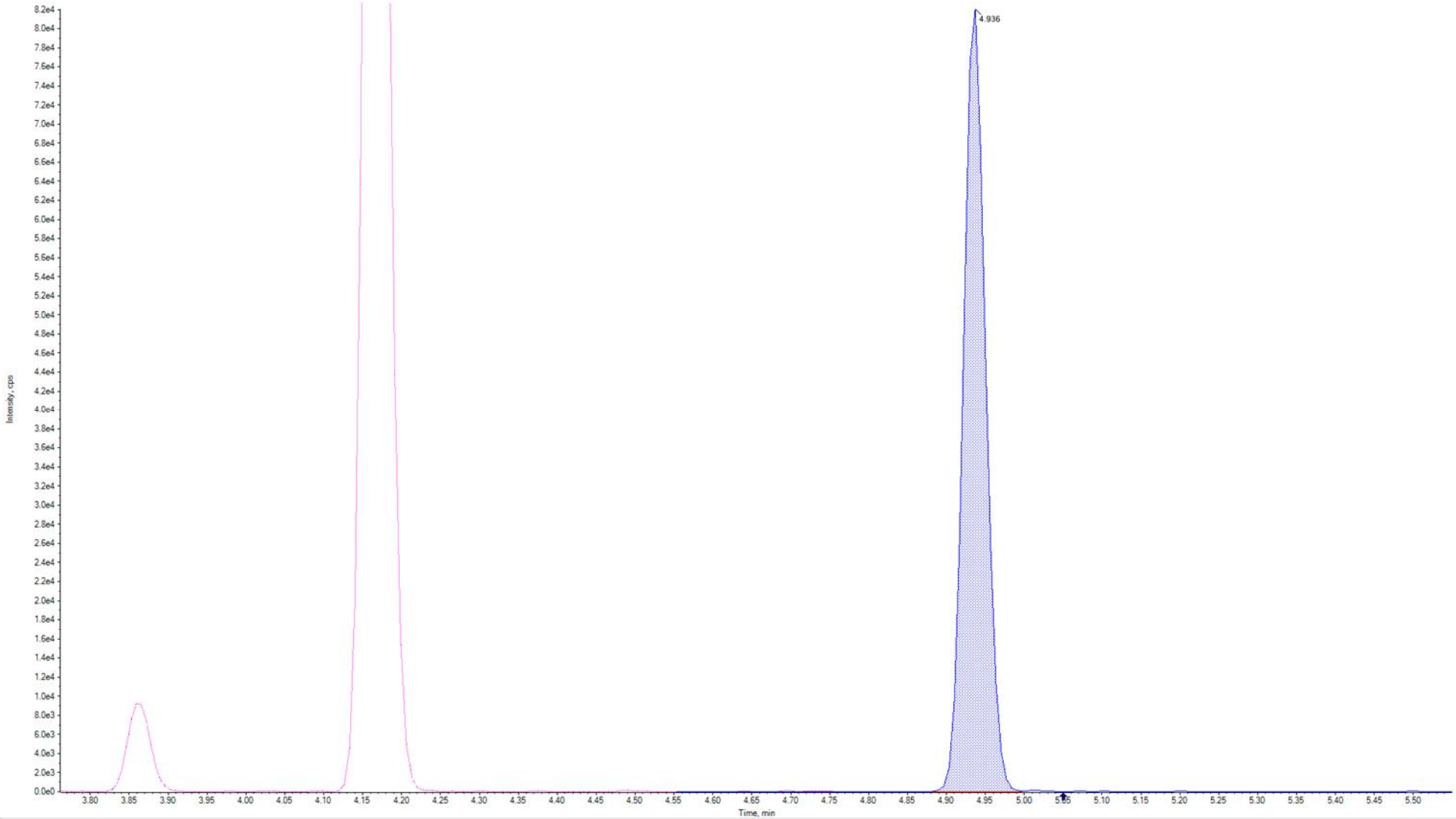
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFDS
Sample: WG2011094-17,1633FMED S/N:11226.8 Points Across peak:21



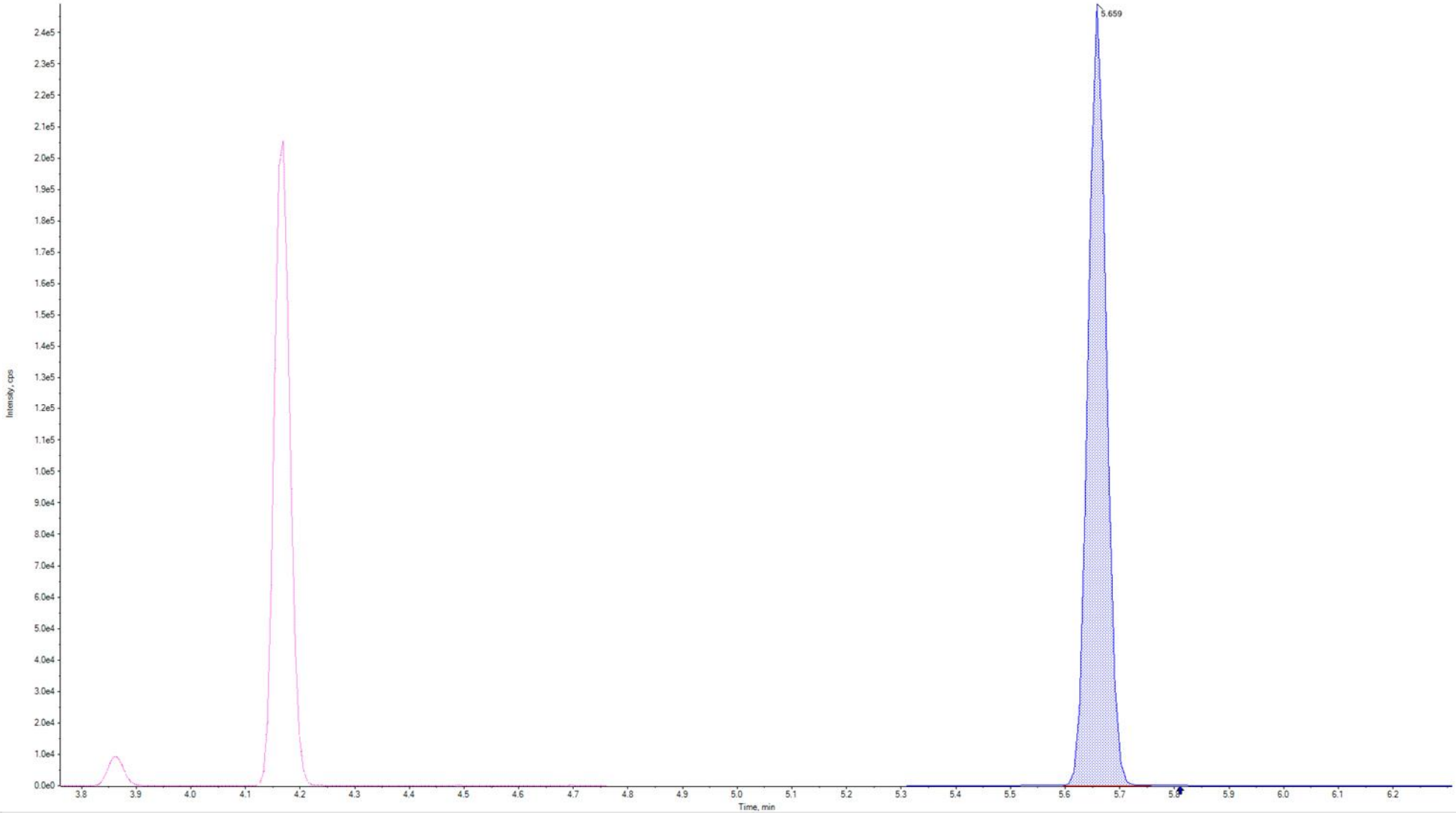
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFDS_2
Sample: WG2011094-17,1633FMED S/N:2879.1 Points Across peak:21



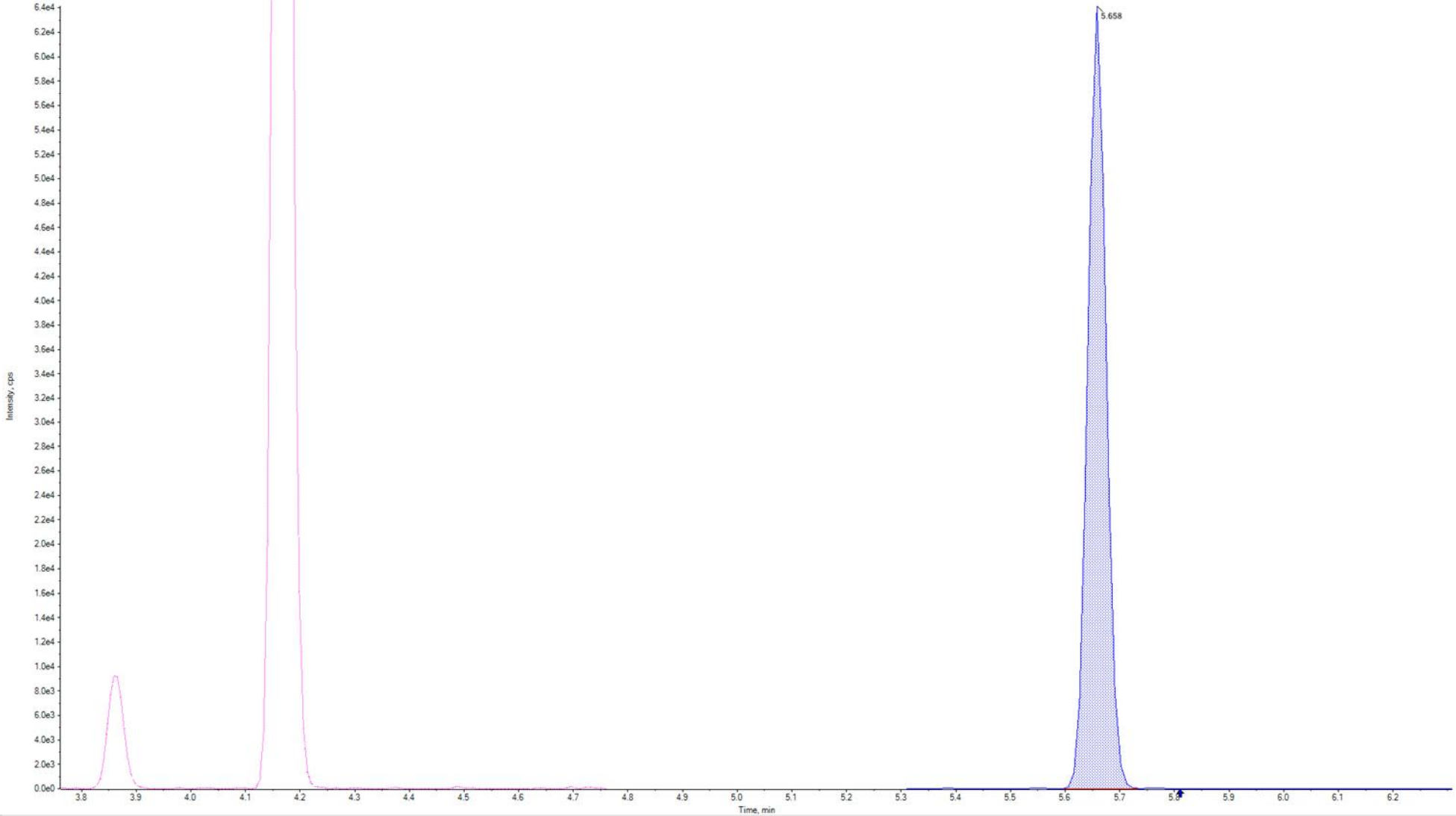
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFDoS
Sample: WG2011094-17,1633FMED S/N:6350.7 Points Across peak:16



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFDoS_2
Sample: WG2011094-17,1633FMED S/N:2875.2 Points Across peak:15



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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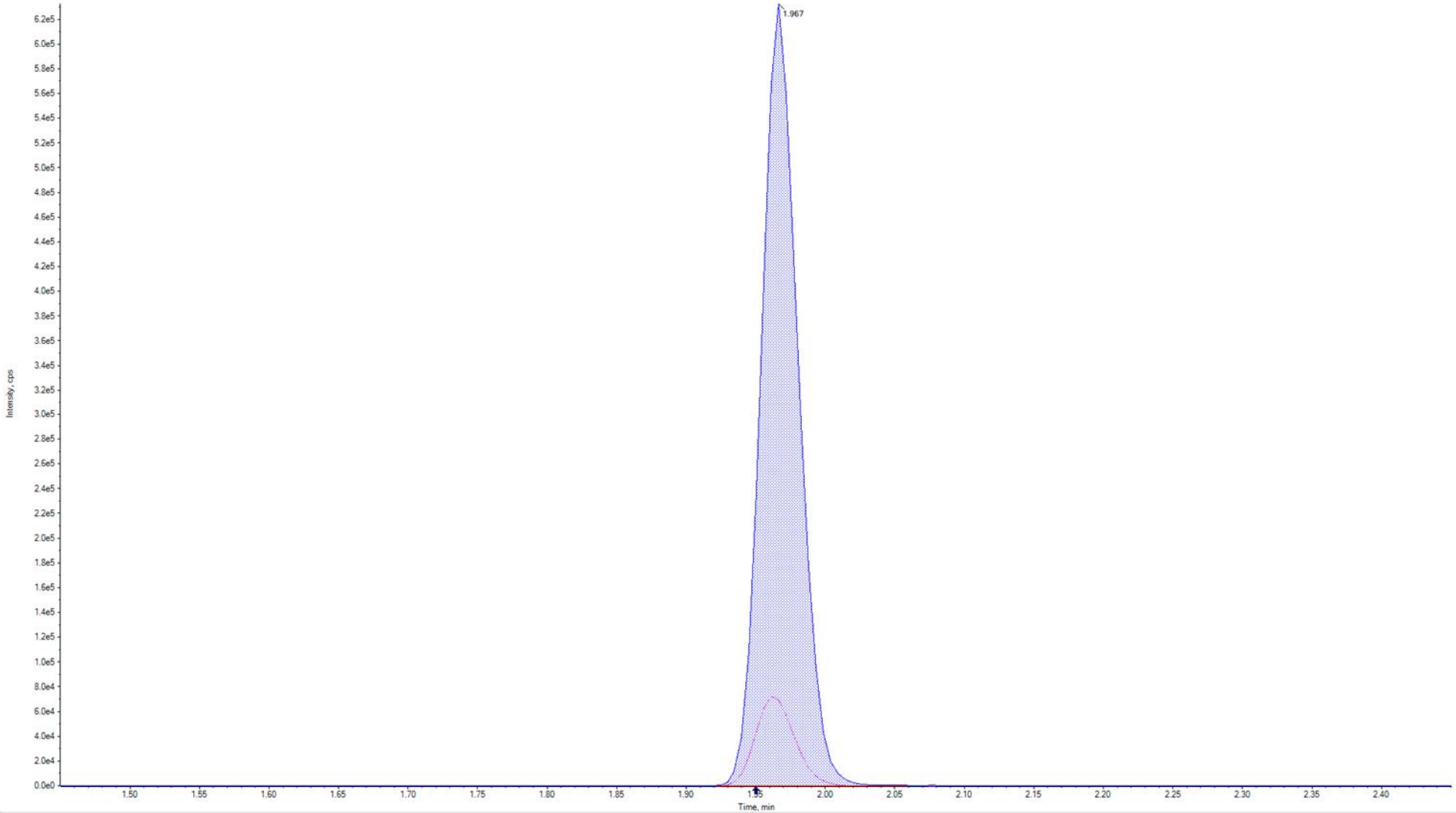
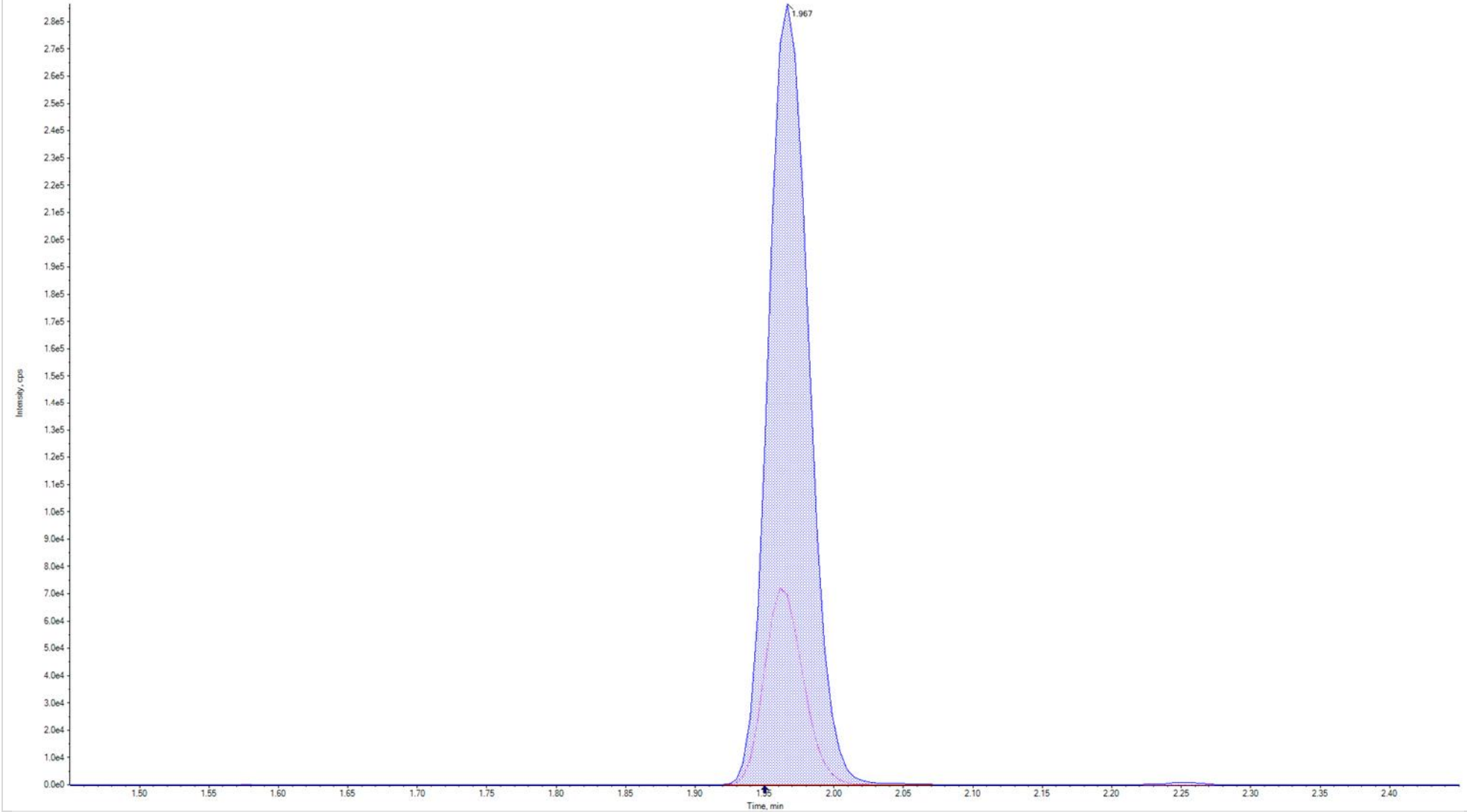
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

4:2FTS
Sample: WG2011094-17,1633FMED S/N:23777.6 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

4:2FTS_2
Sample: WG2011094-17,1633FMED S/N:9074.2 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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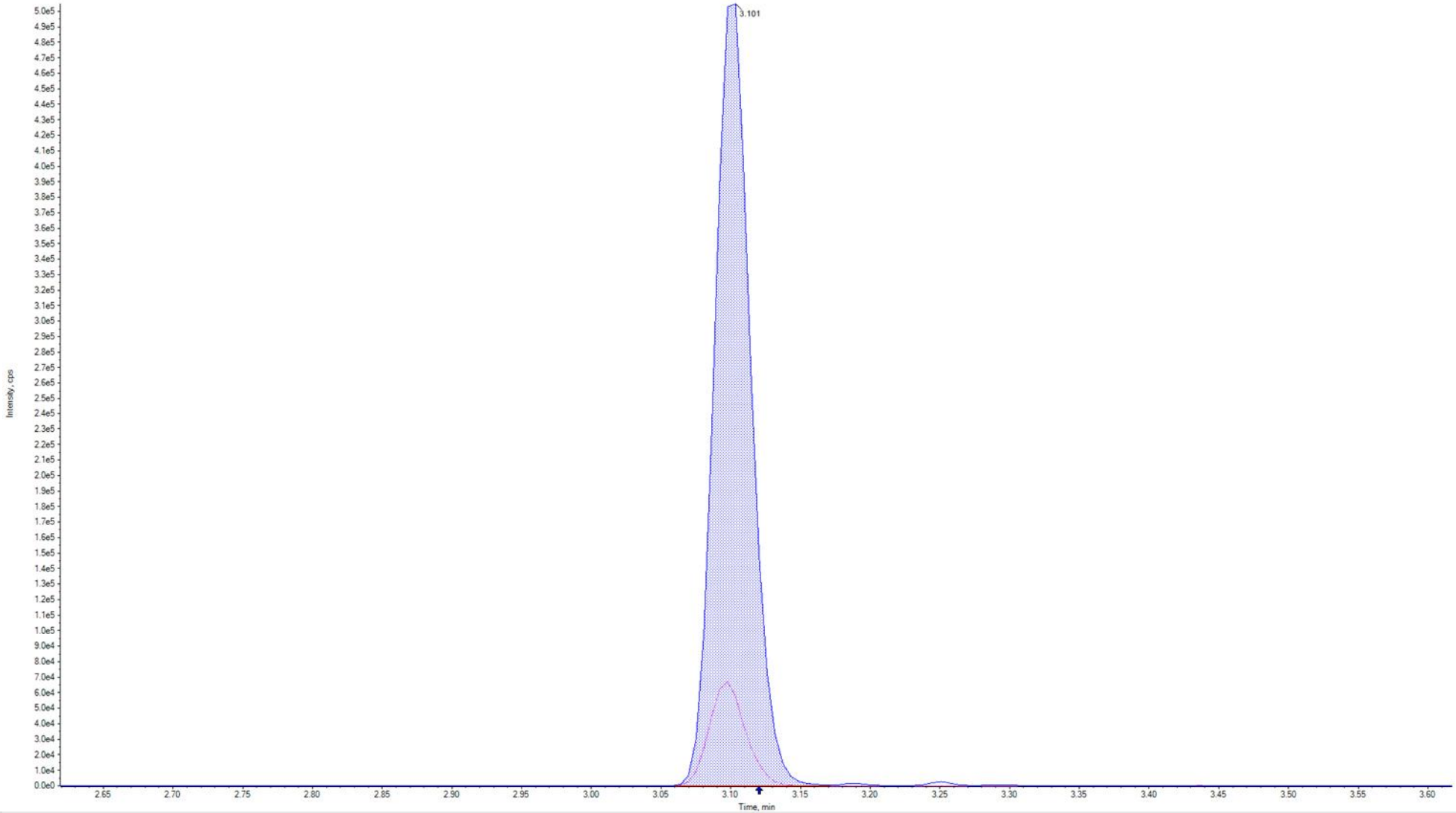
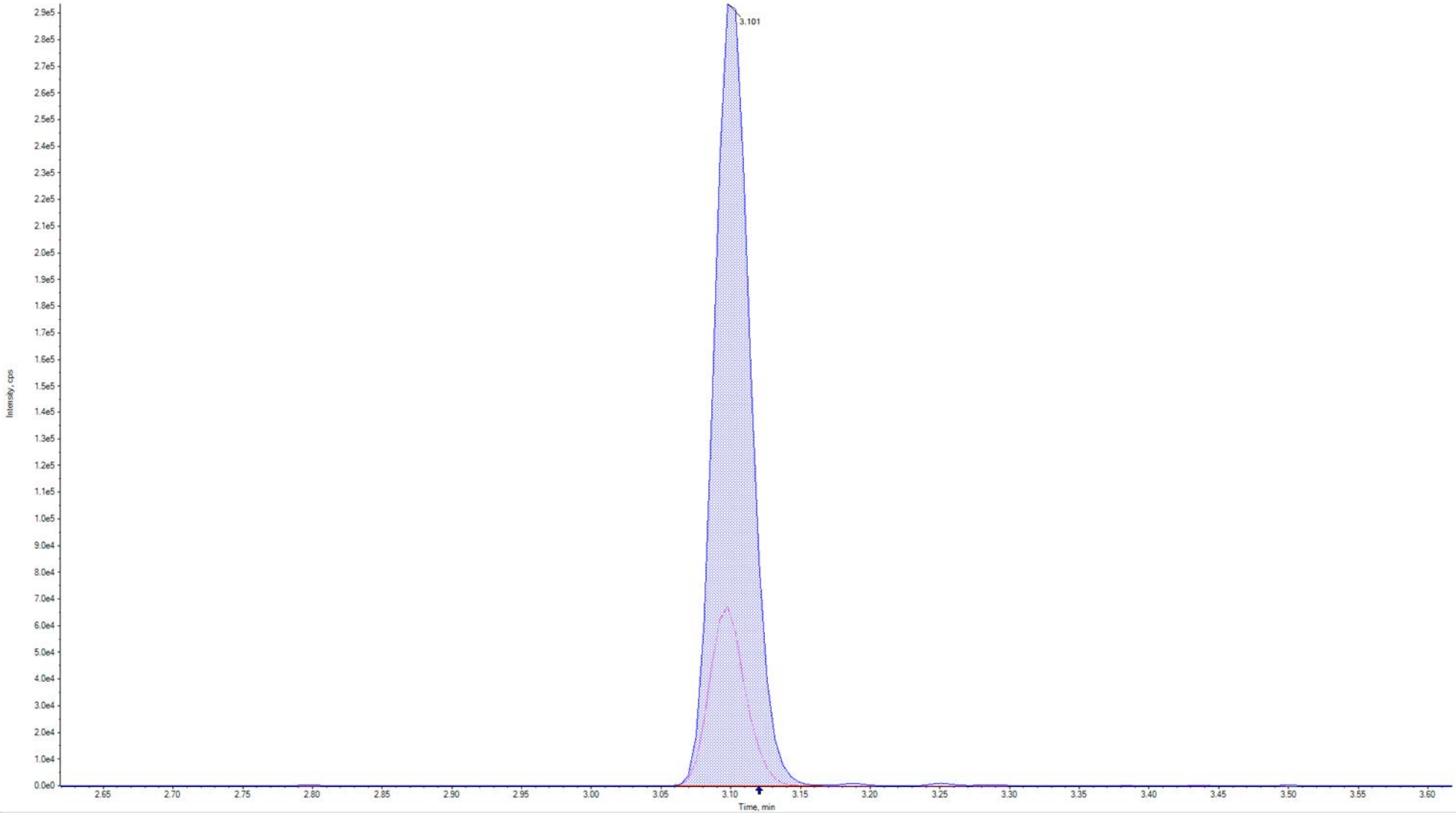
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

6:2FTS
Sample: WG2011094-17,1633FMED S/N:7250.1 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

6:2FTS_2
Sample: WG2011094-17,1633FMED S/N:5165.6 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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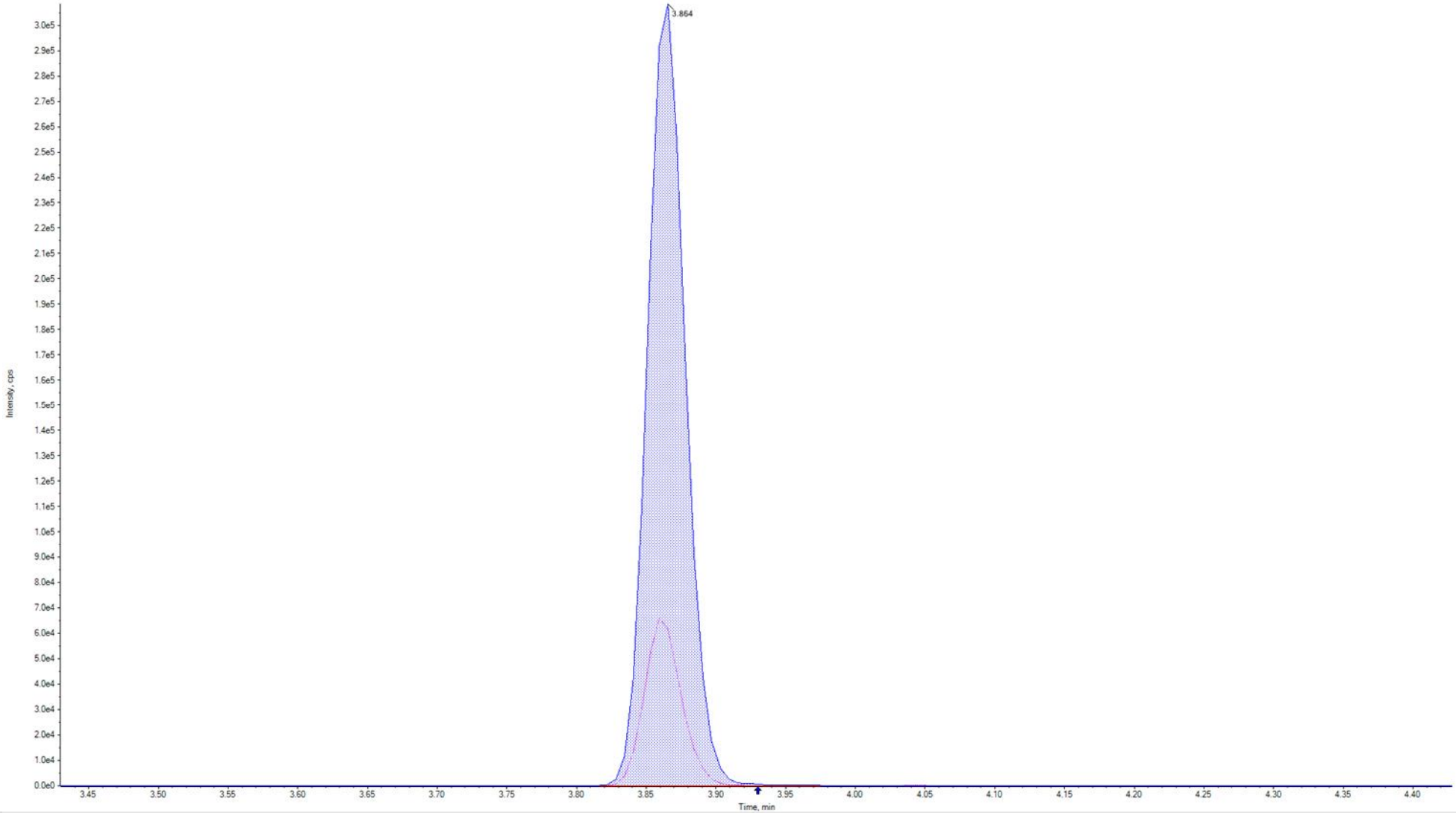
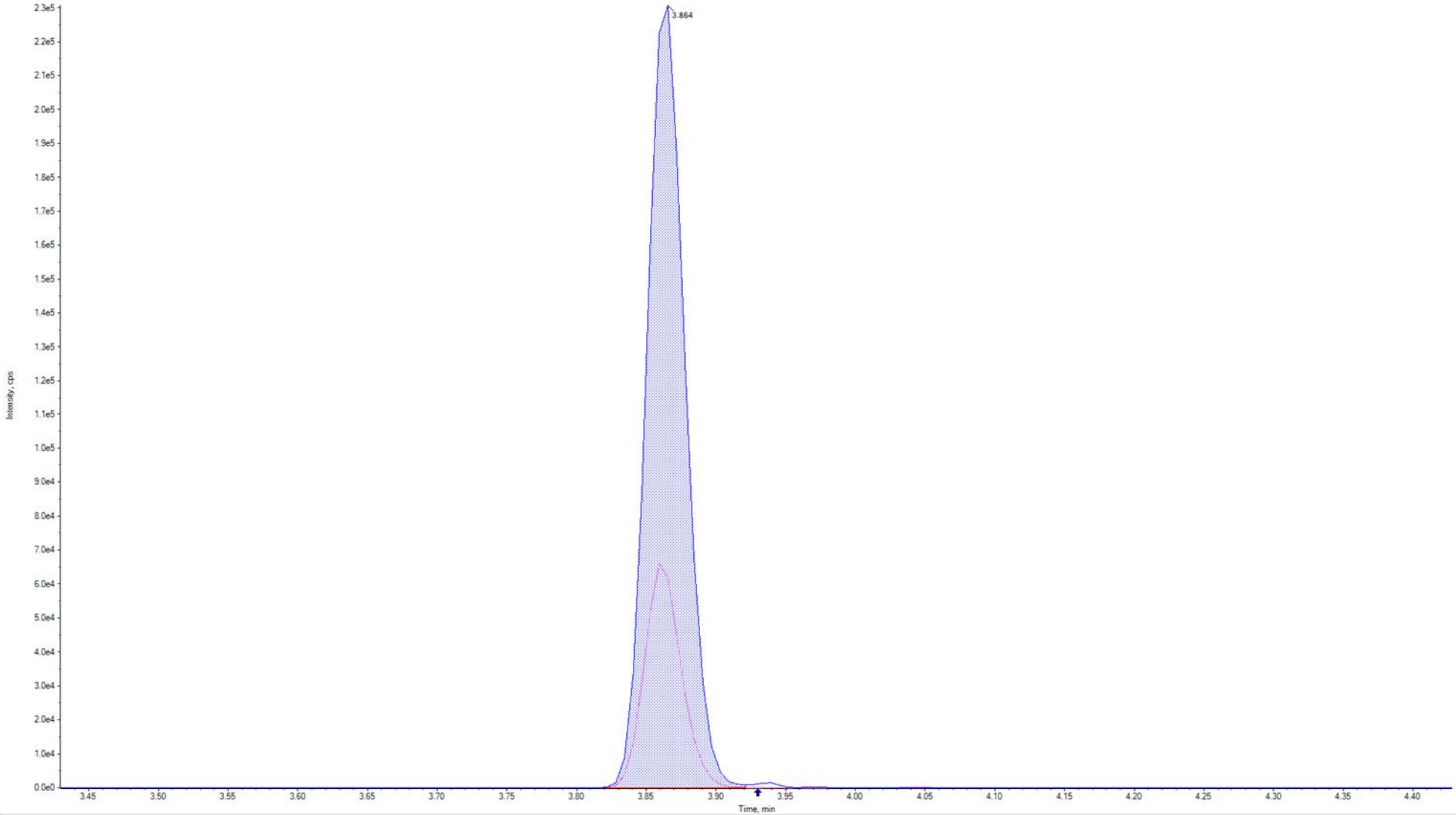
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

8:2FTS
Sample: WG2011094-17,1633FMED S/N:6184.9 Points Across peak:36

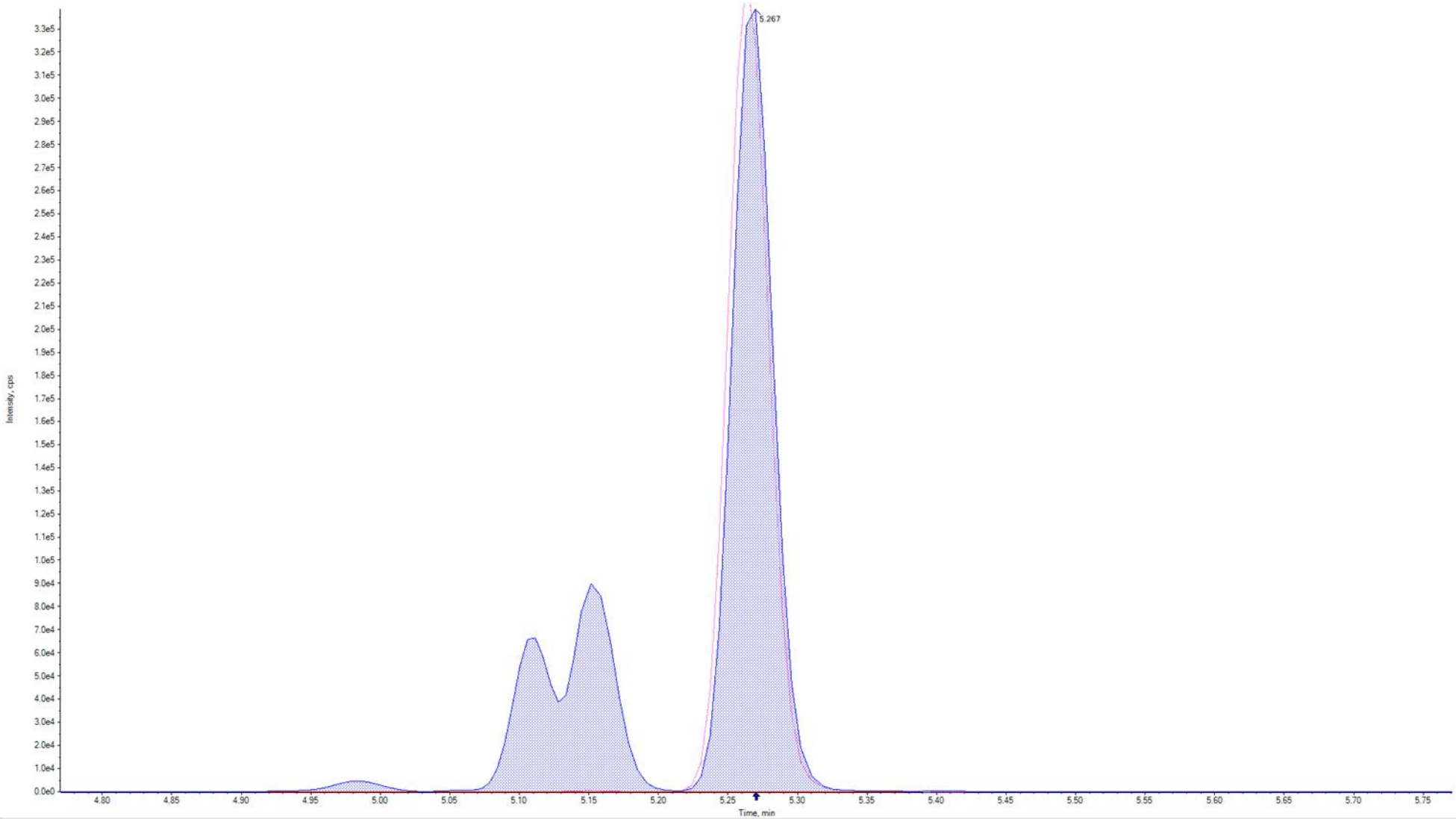


8:2FTS_2
Sample: WG2011094-17,1633FMED S/N:4626.4 Points Across peak:25



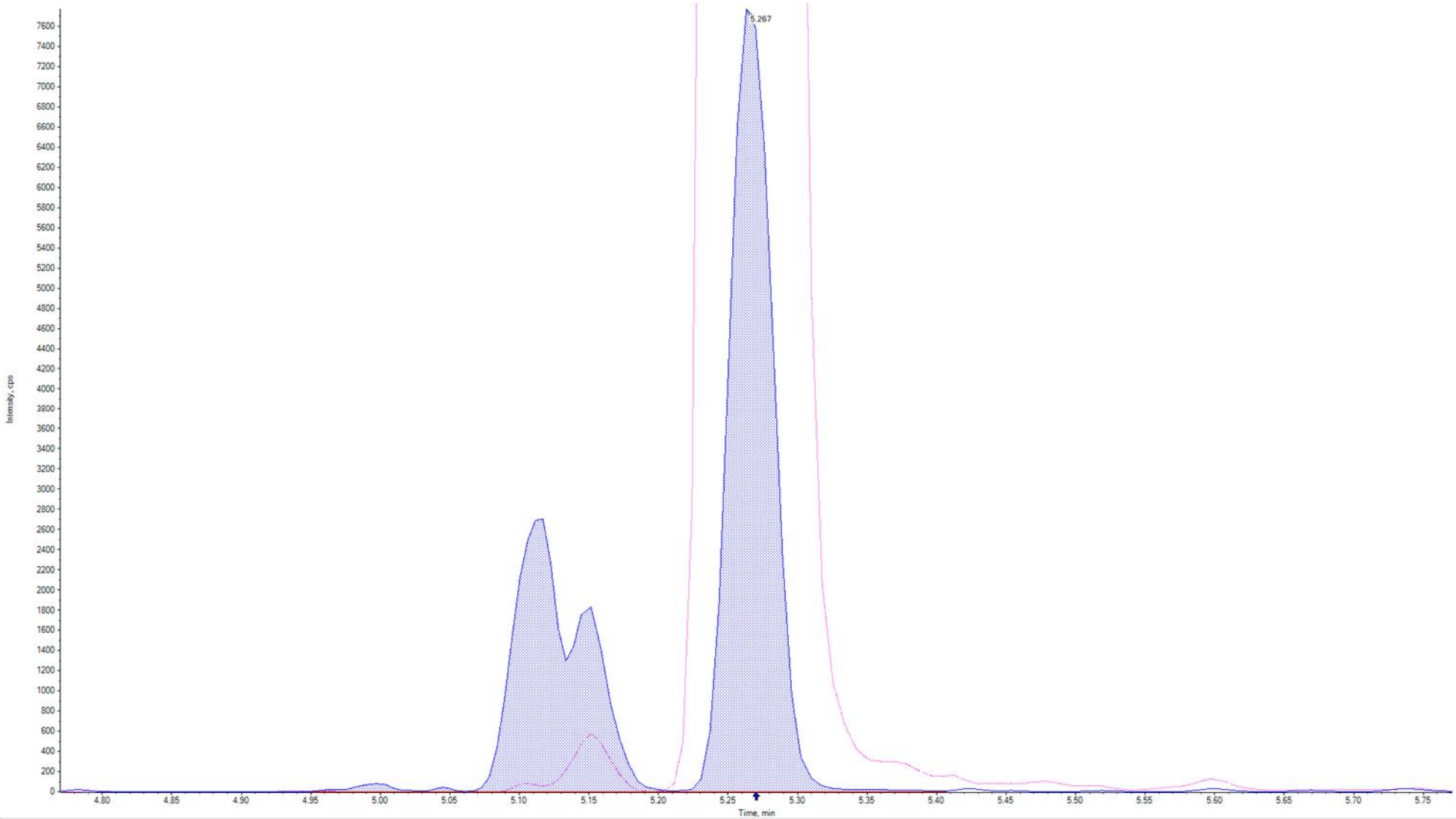
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFOSA
Sample: WG2011094-17,1633FMED S/N:260.6 Points Across peak:75



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFOSA_2
Sample: WG2011094-17,1633FMED S/N:281.5 Points Across peak:72



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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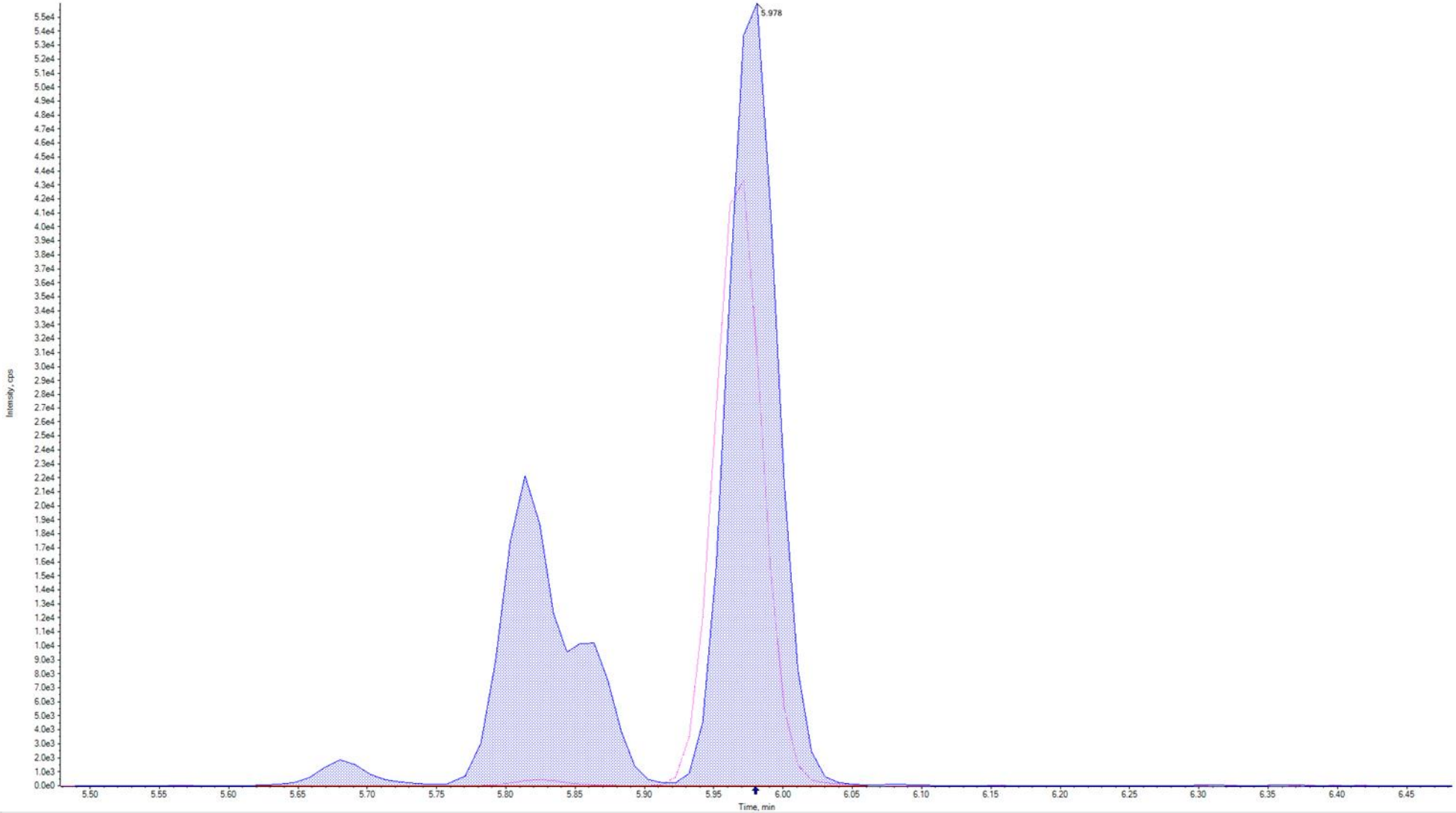
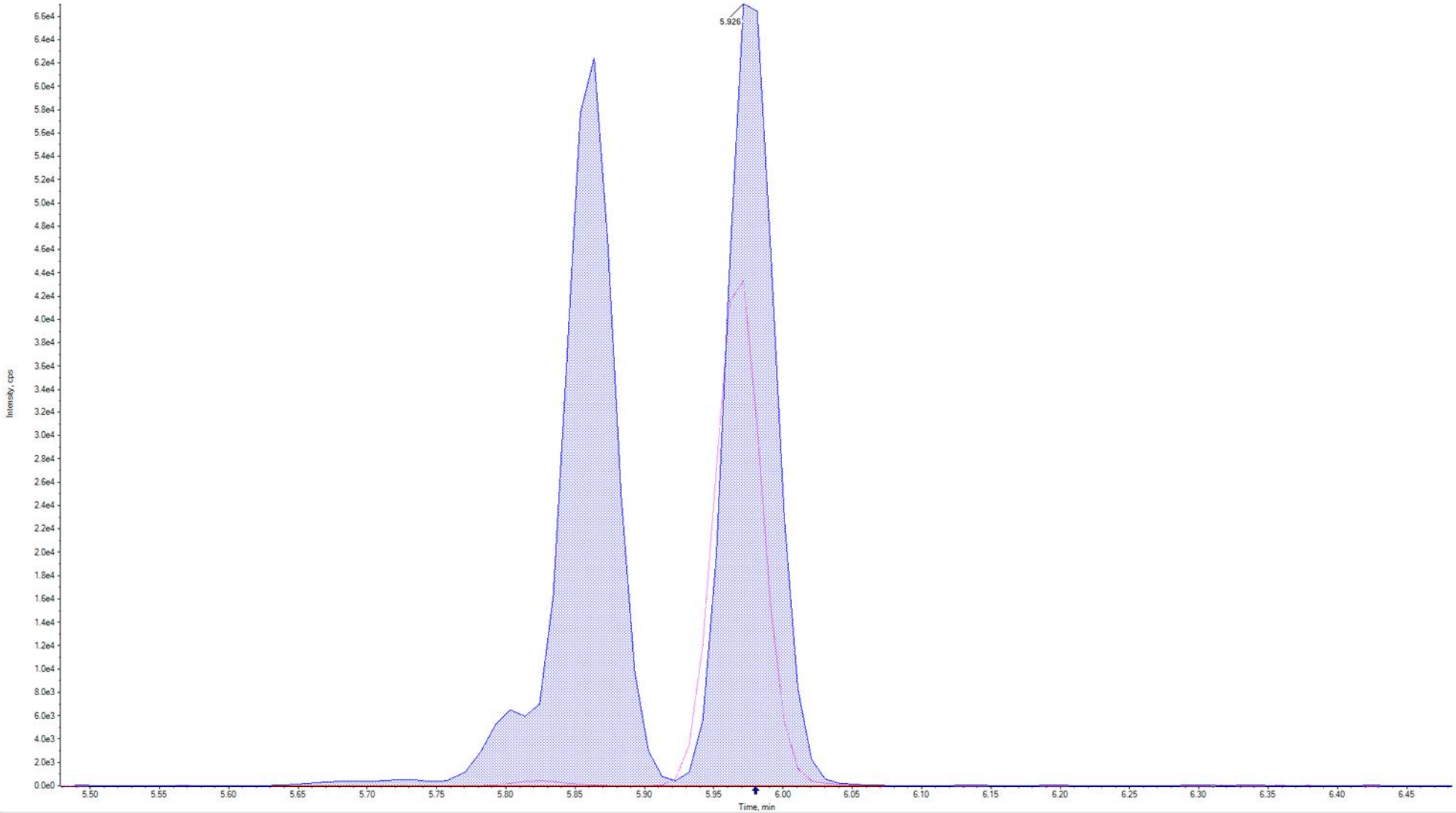
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

NMeFOSA
Sample: WG2011094-17,1633FMED S/N:264.2 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

NMeFOSA_2
Sample: WG2011094-17,1633FMED S/N:215.5 Points Across peak:47



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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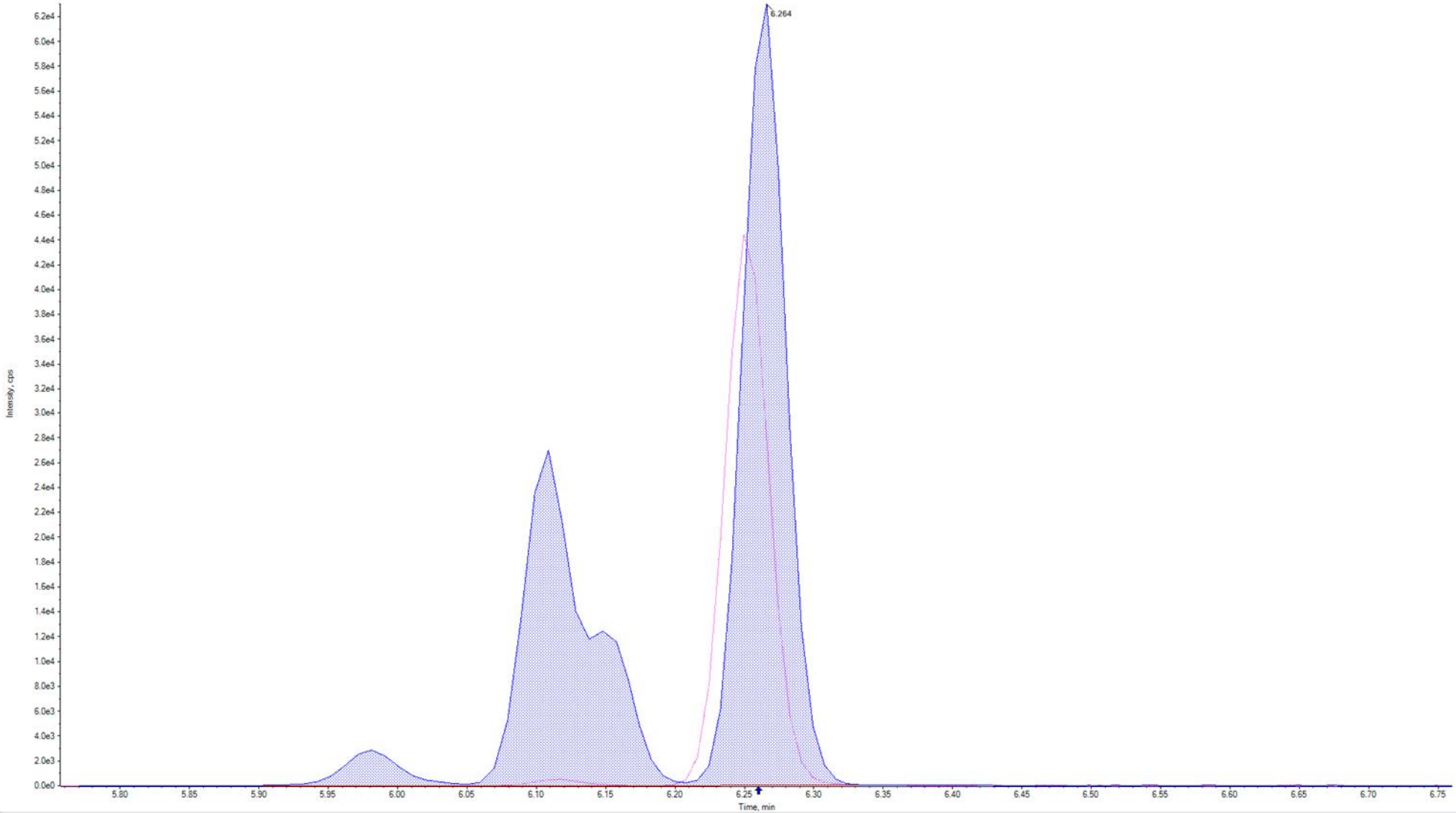
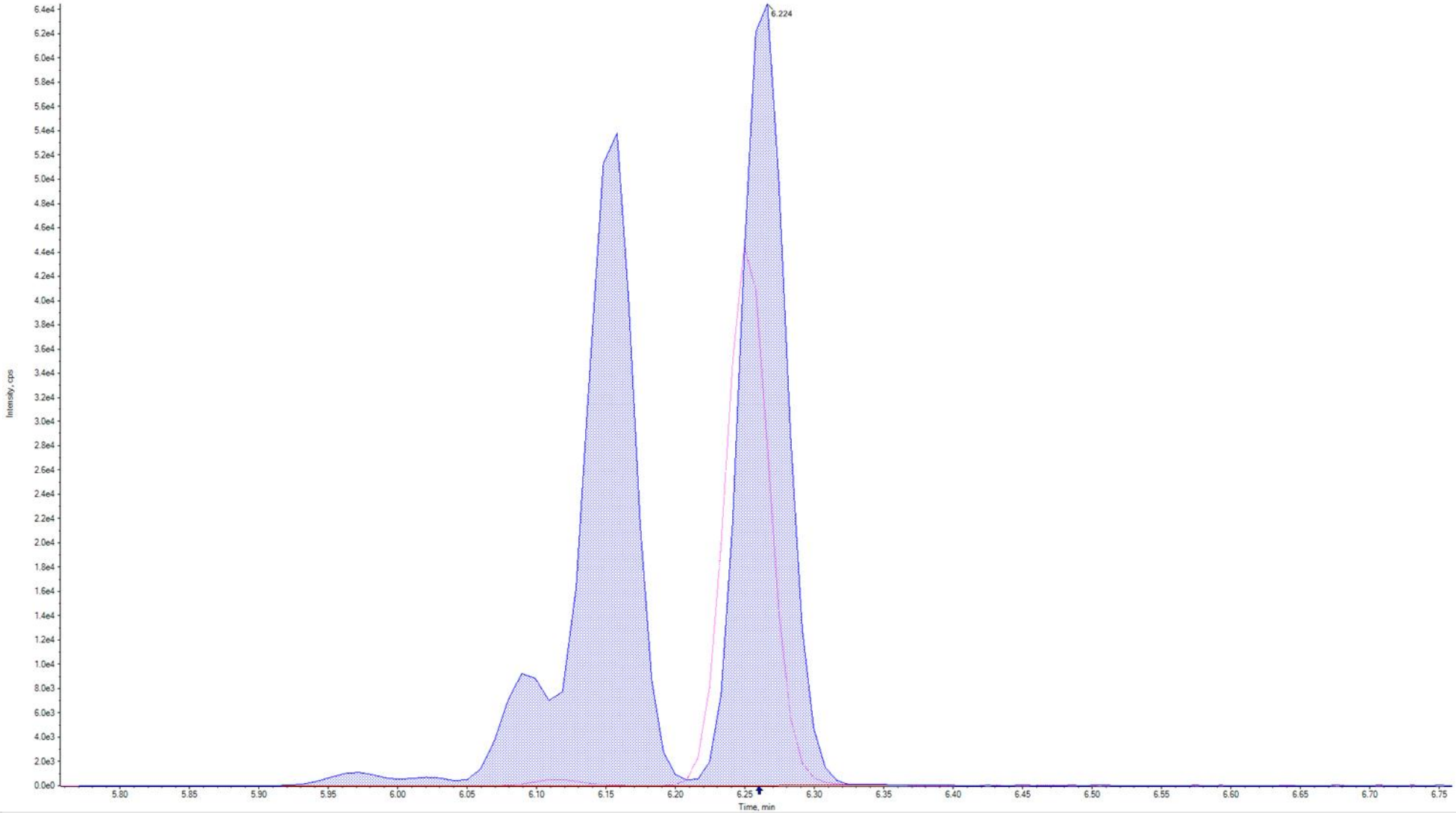
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

NEtFOSA
Sample: WG2011094-17,1633FMED S/N:793.9 Points Across peak:58

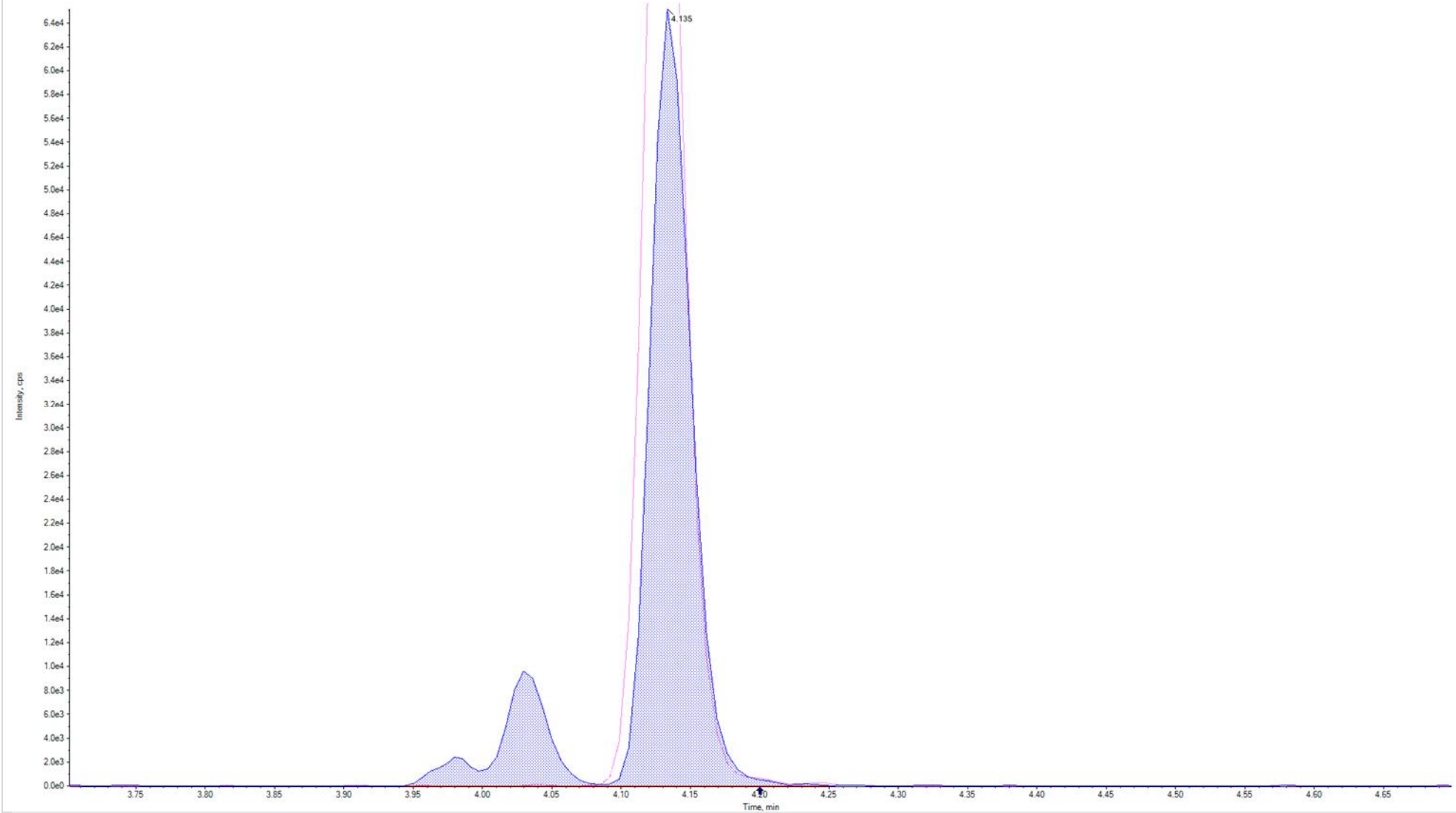


NEtFOSA_2
Sample: WG2011094-17,1633FMED S/N:879.3 Points Across peak:56



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

NMeFOSAA
Sample: WG2011094-17,1633FMED S/N:779.6 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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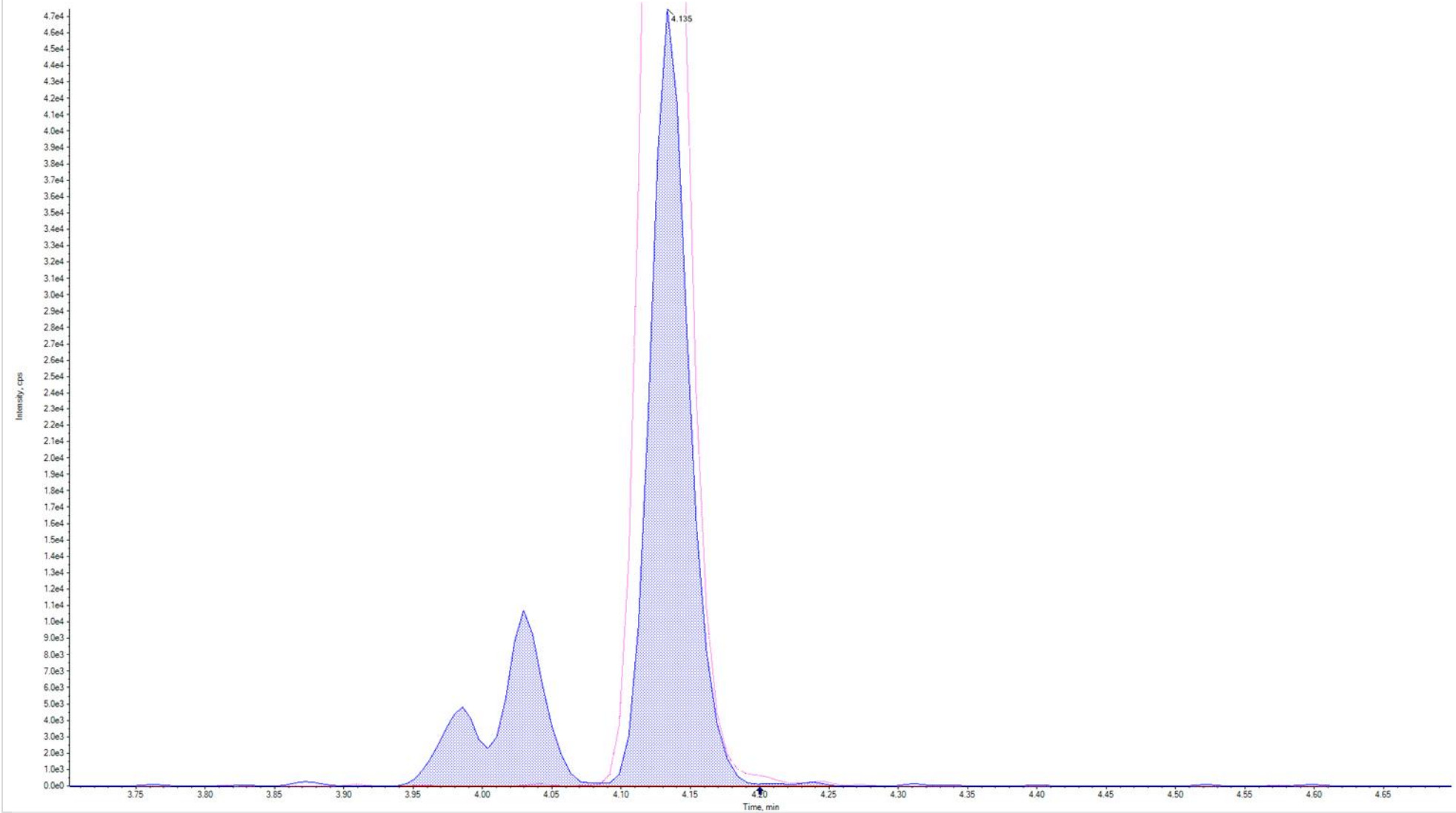
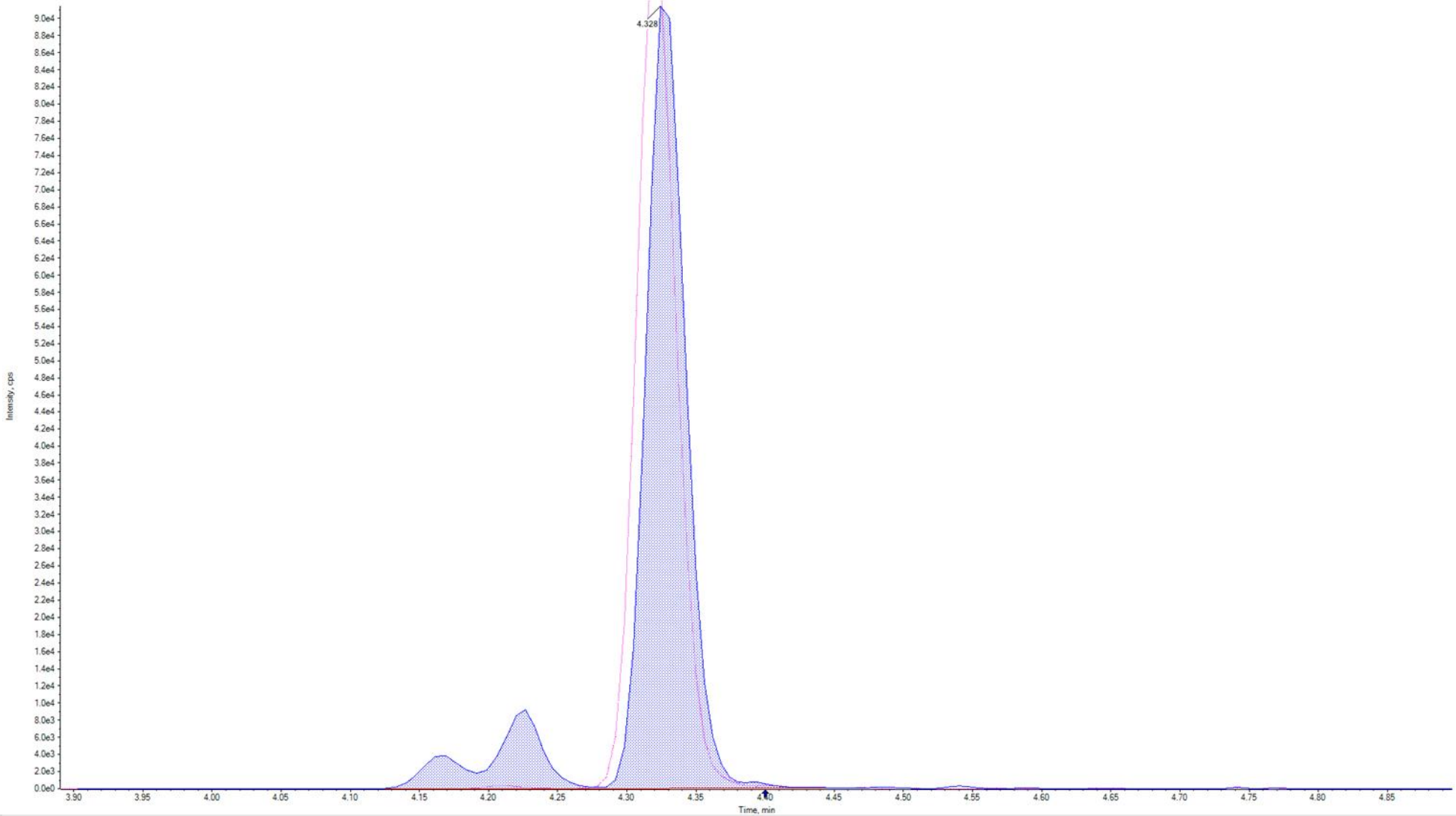
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

NMeFOSAA_2
Sample: WG2011094-17,1633FMED S/N:480.9 Points Across peak:56



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

NEtFOSAA
Sample: WG2011094-17,1633FMED S/N:664.7 Points Across peak:52



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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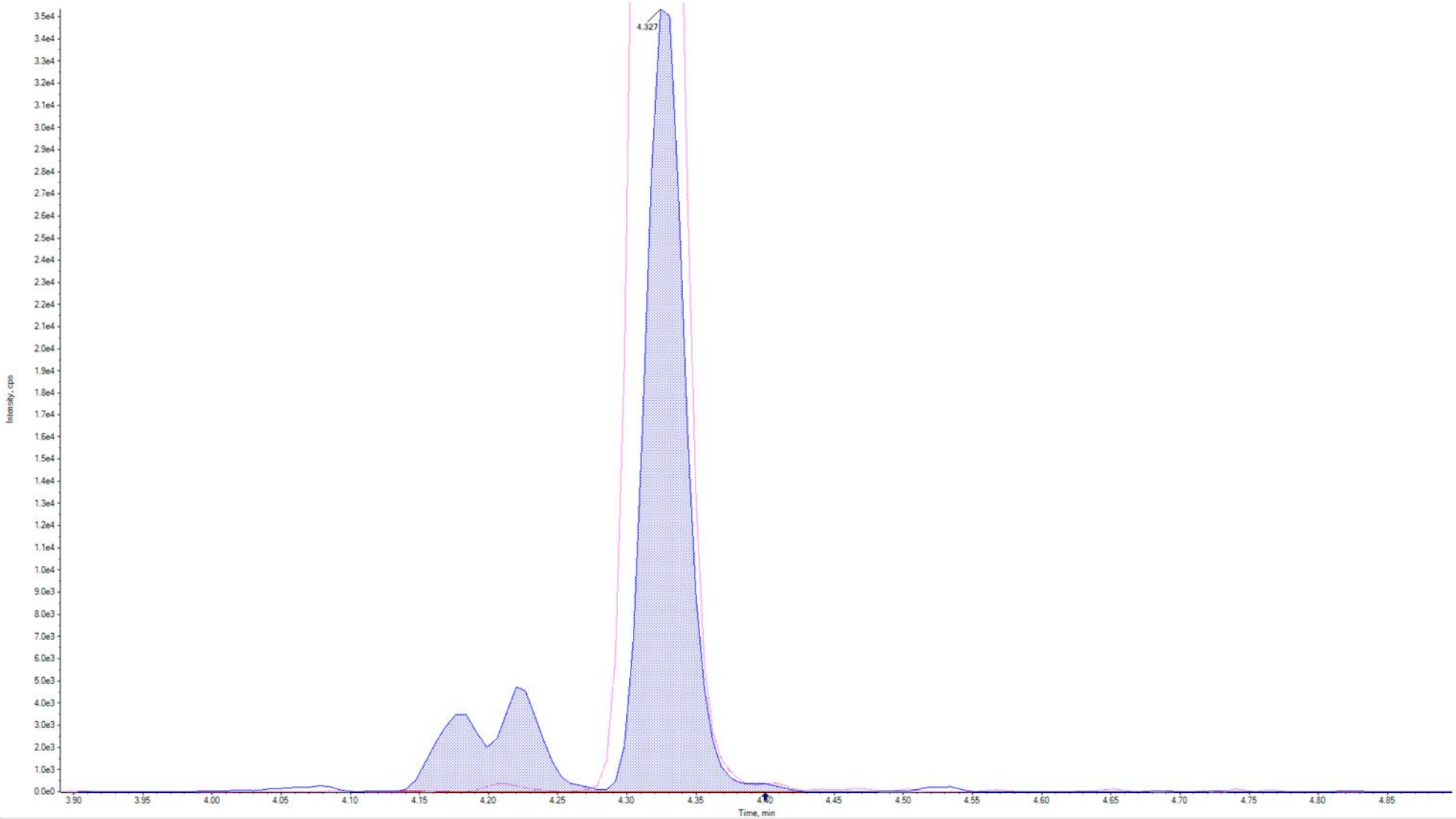
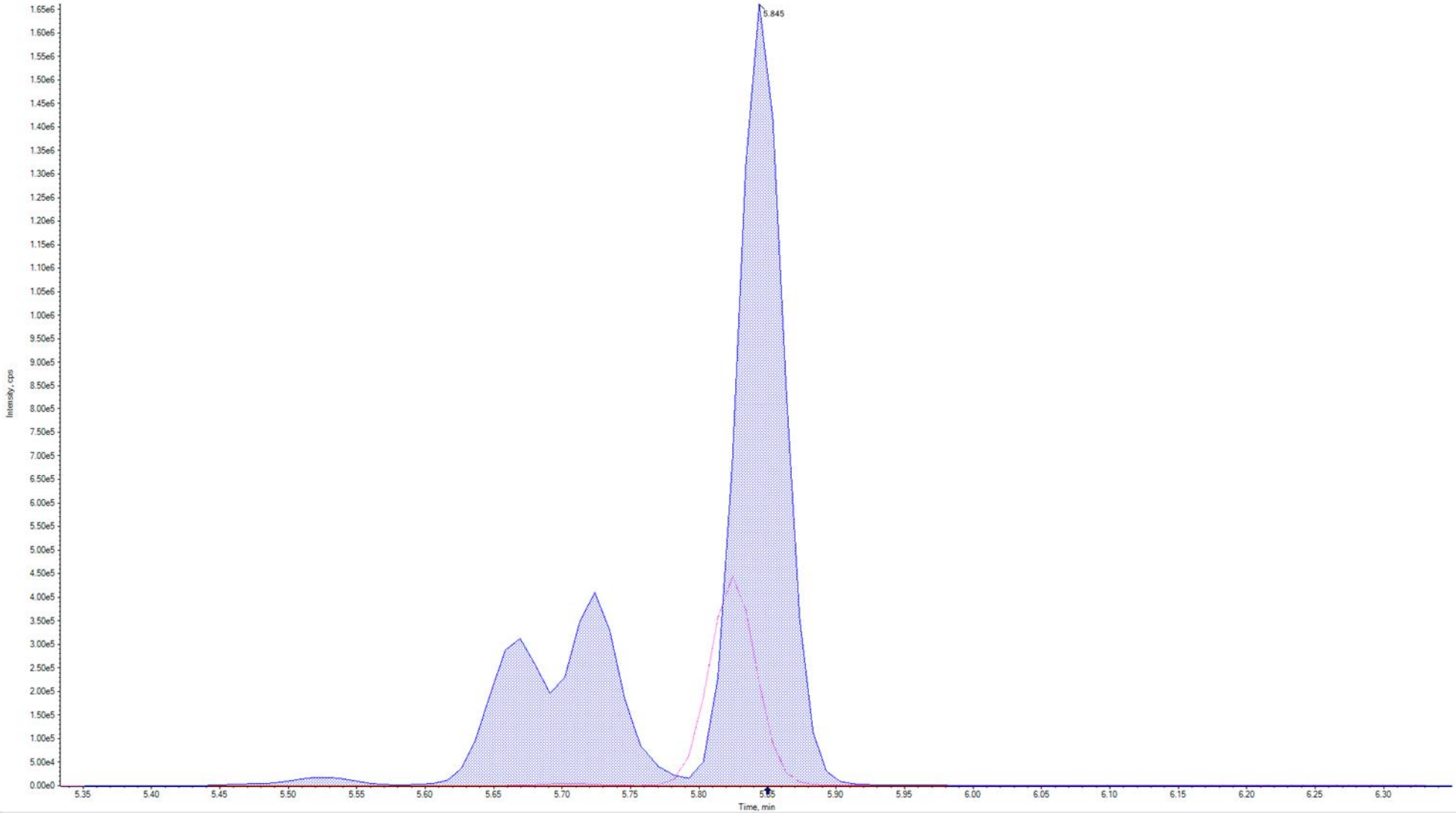
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

NEtFOSAA_2
Sample: WG2011094-17,1633FMED S/N:451.3 Points Across peak:47



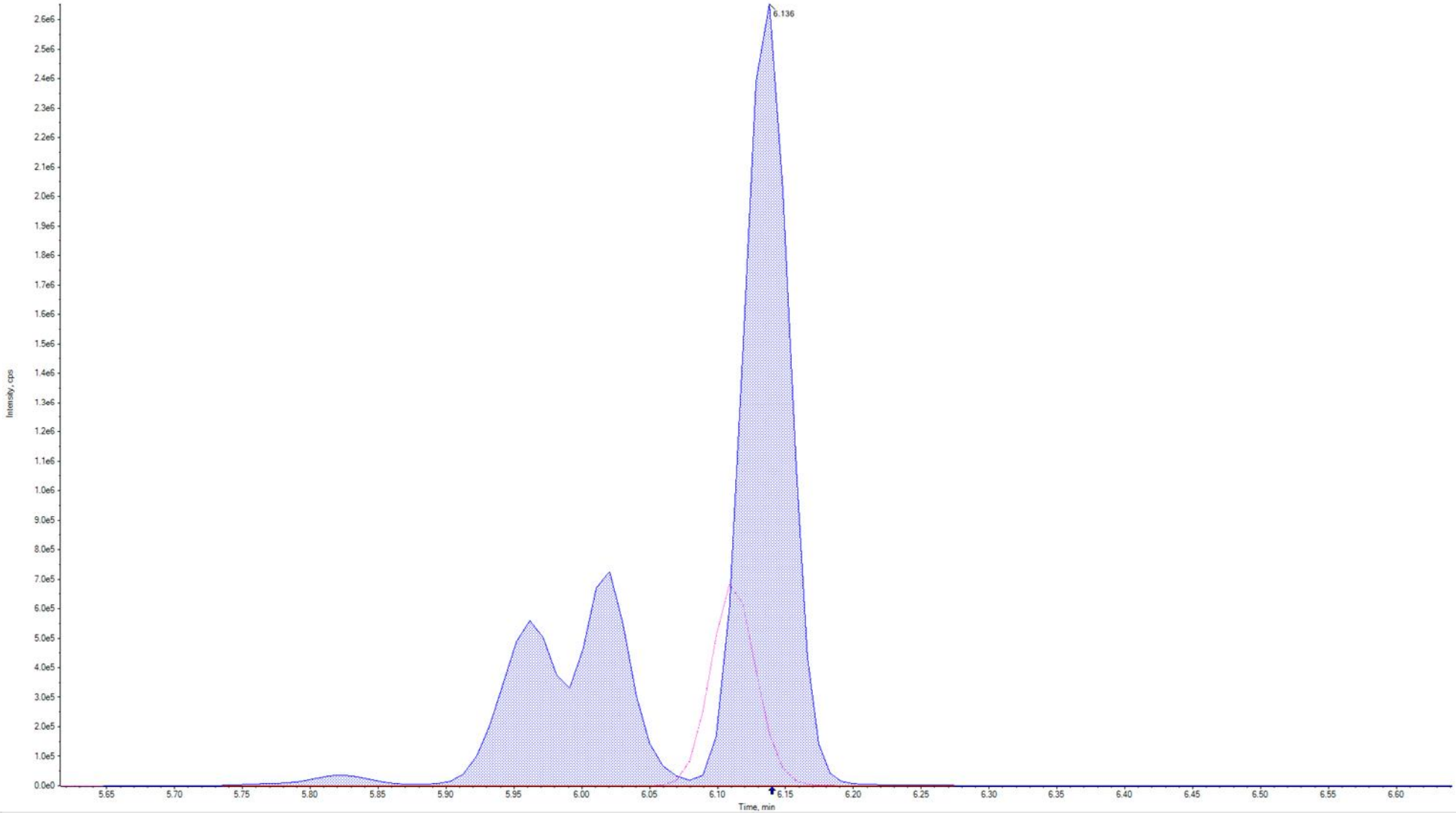
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

NMeFOSE
Sample: WG2011094-17,1633FMED S/N:226.5 Points Across peak:60



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

NEtFOSE
Sample: WG2011094-17,1633FMED S/N:442.8 Points Across peak:67



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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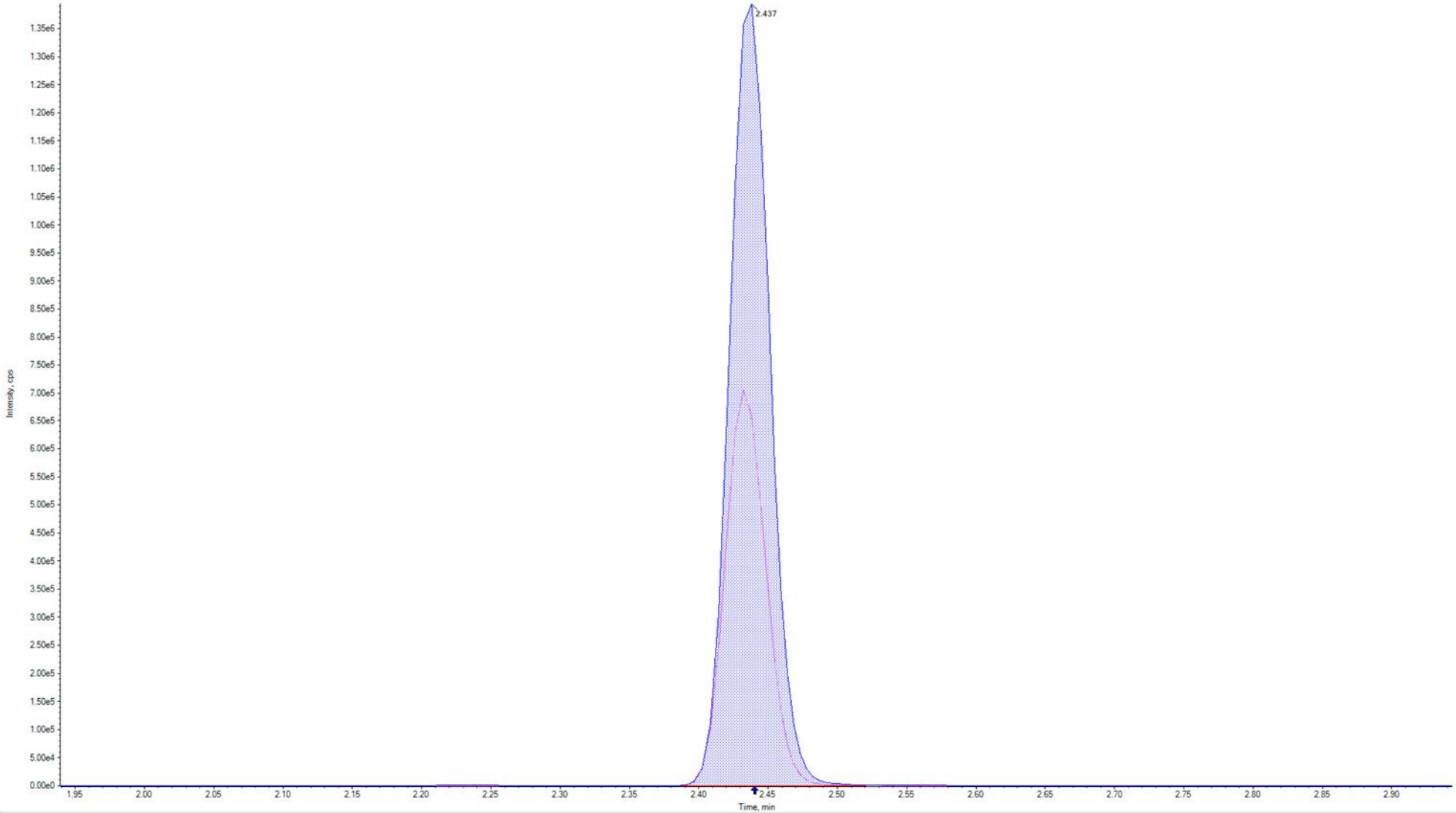
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

HFPO-DA
Sample: WG2011094-17,1633FMED S/N:7453.9 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 12:10:49 PM
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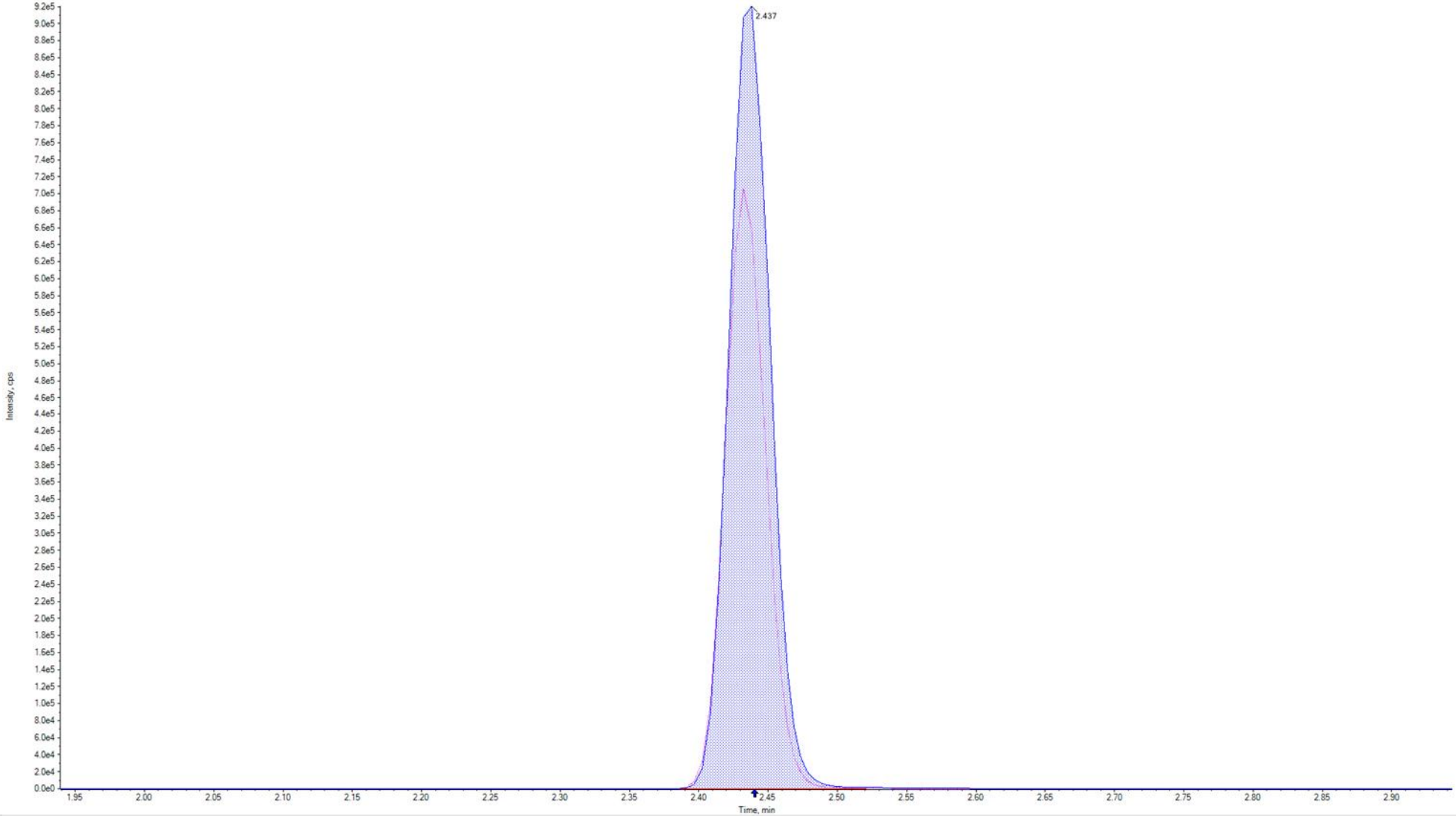
HFPO-DA_2
Sample: WG2011094-17,1633FMED S/N:20766.5 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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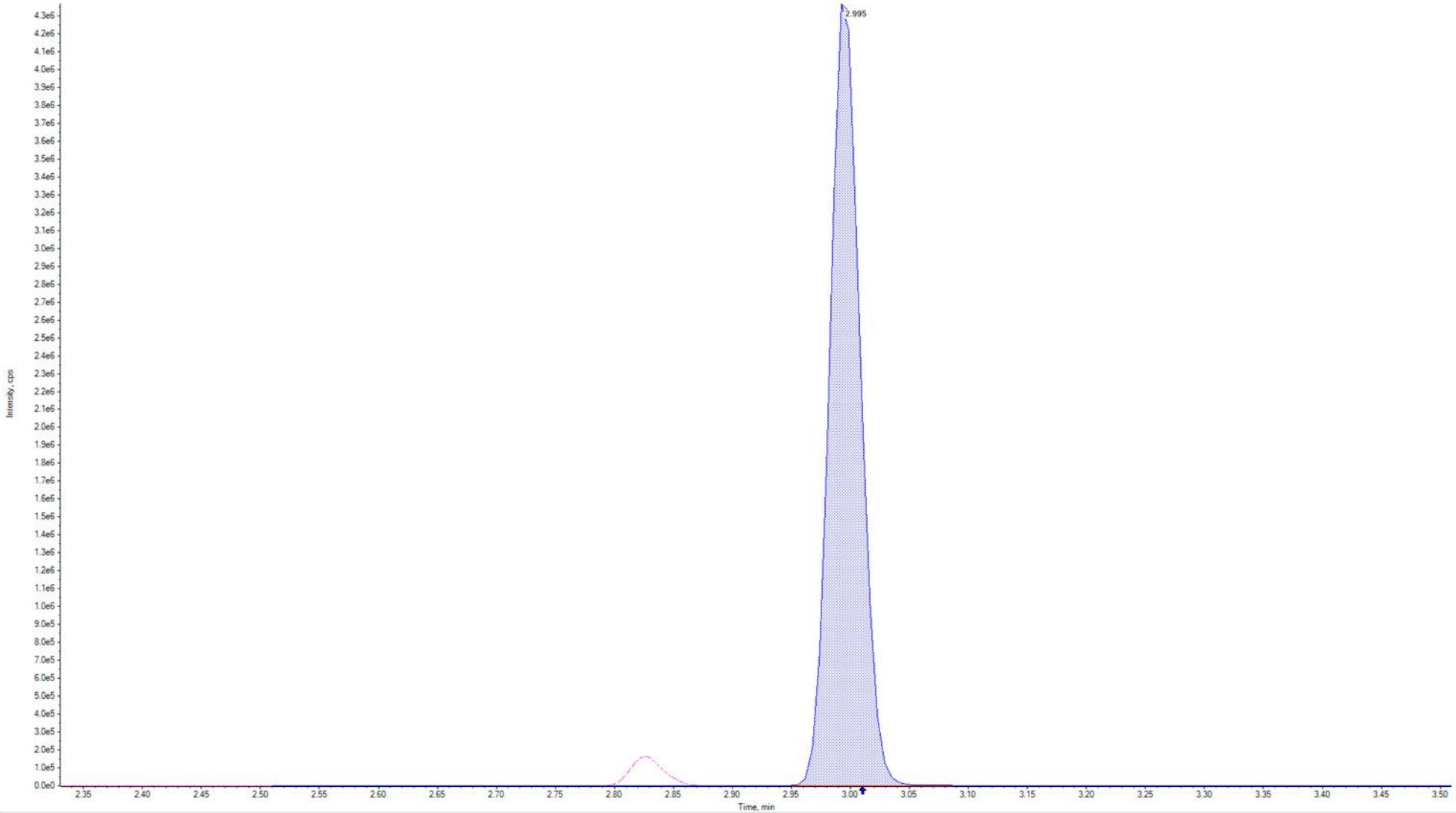
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

ADONA
Sample: WG2011094-17,1633FMED S/N:11616.7 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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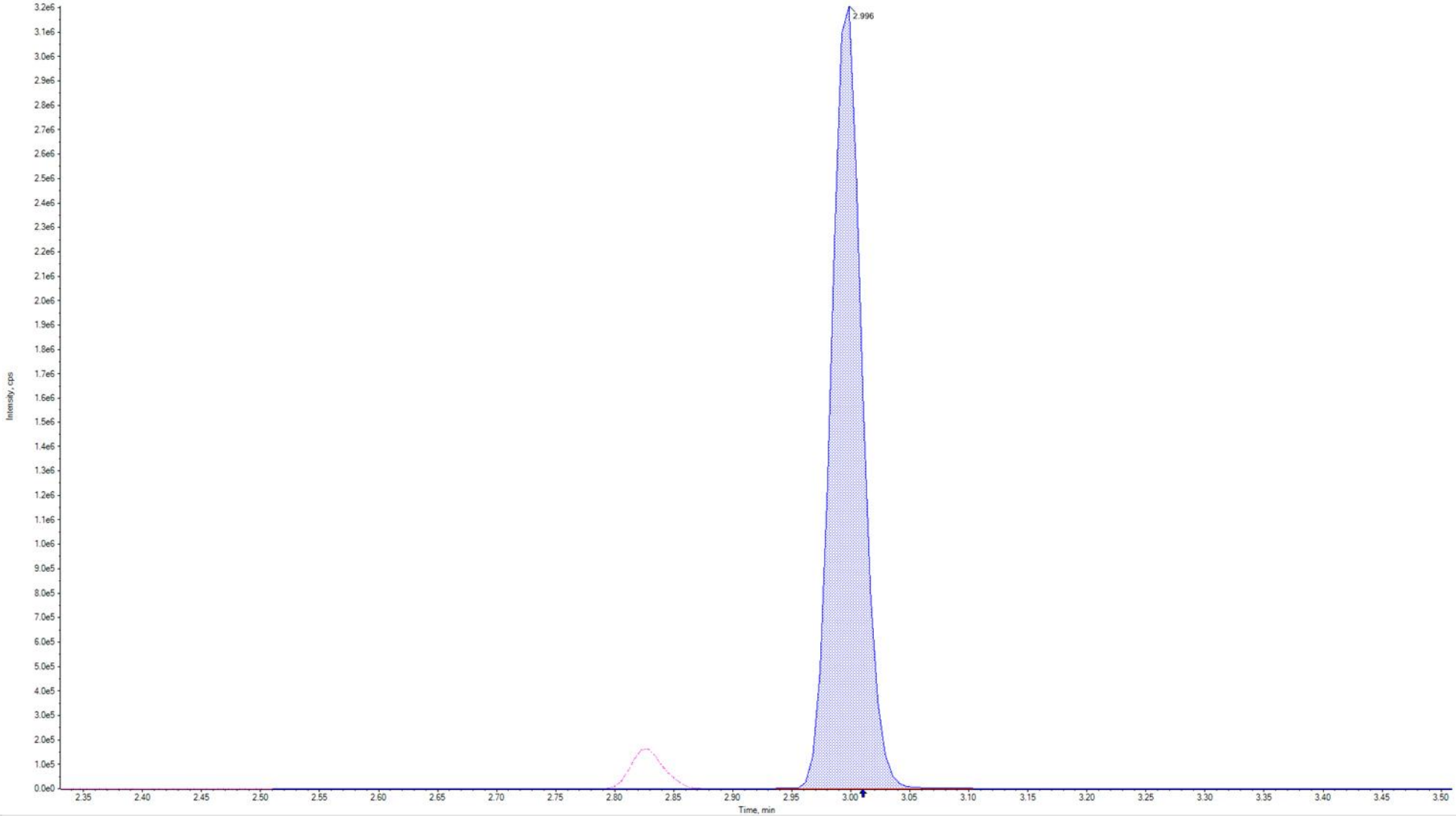
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

ADONA_2
Sample: WG2011094-17,1633FMED S/N:8063.4 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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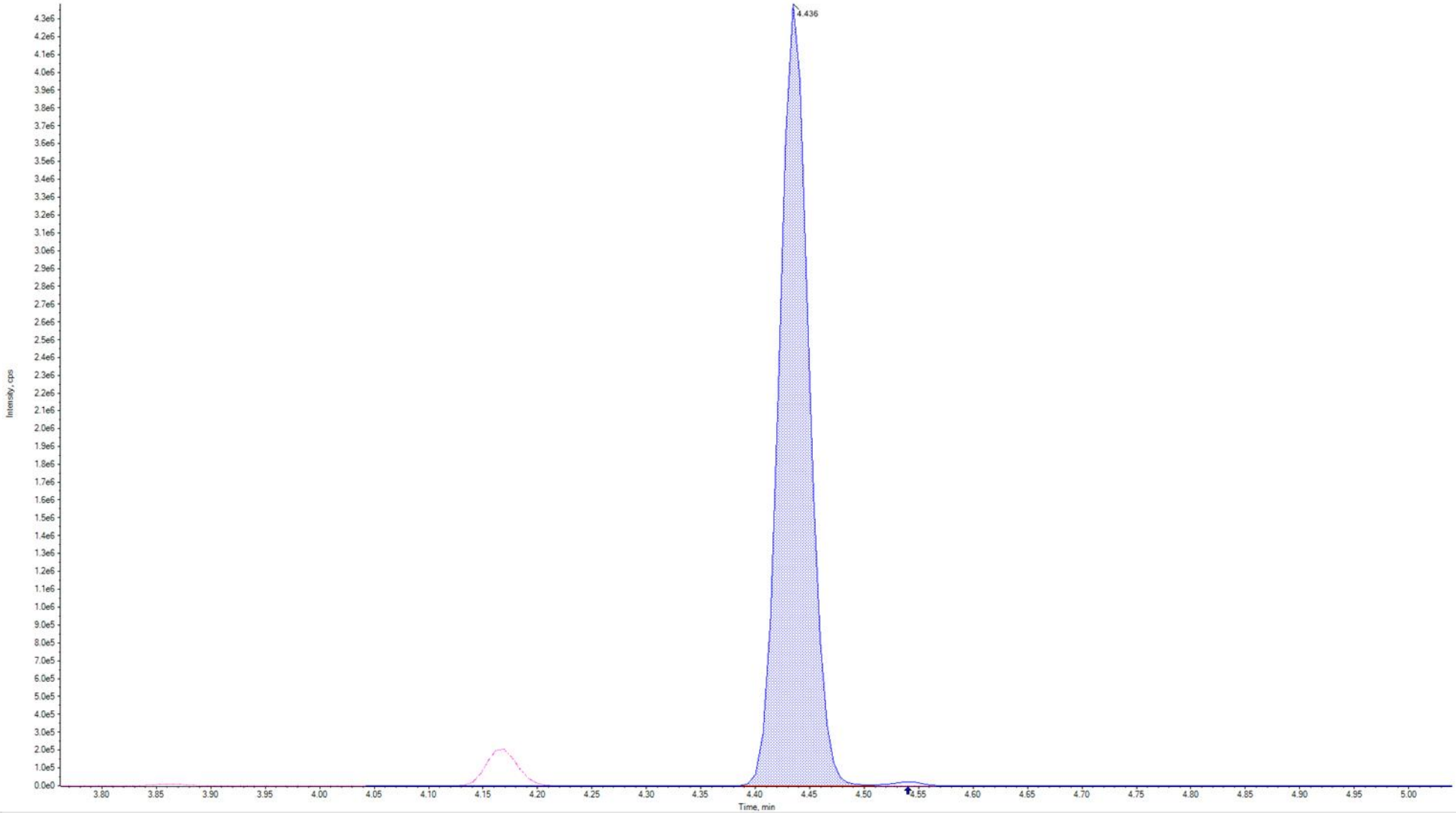
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

9Cl-PF3ONS
Sample: WG2011094-17,1633FMED S/N:10577.7 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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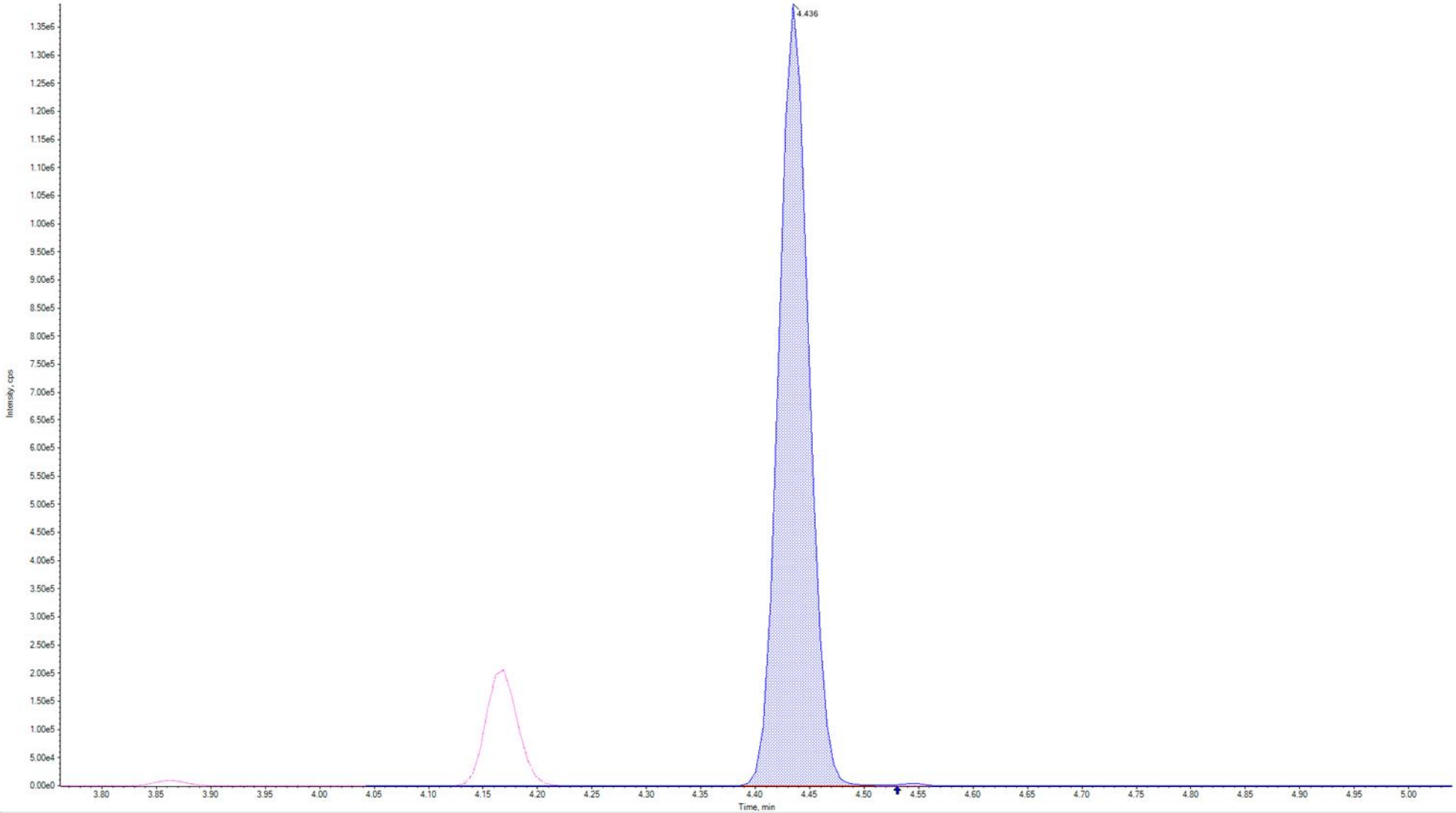
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

9Cl-PF3ONS_2
Sample: WG2011094-17,1633FMED S/N:31380.5 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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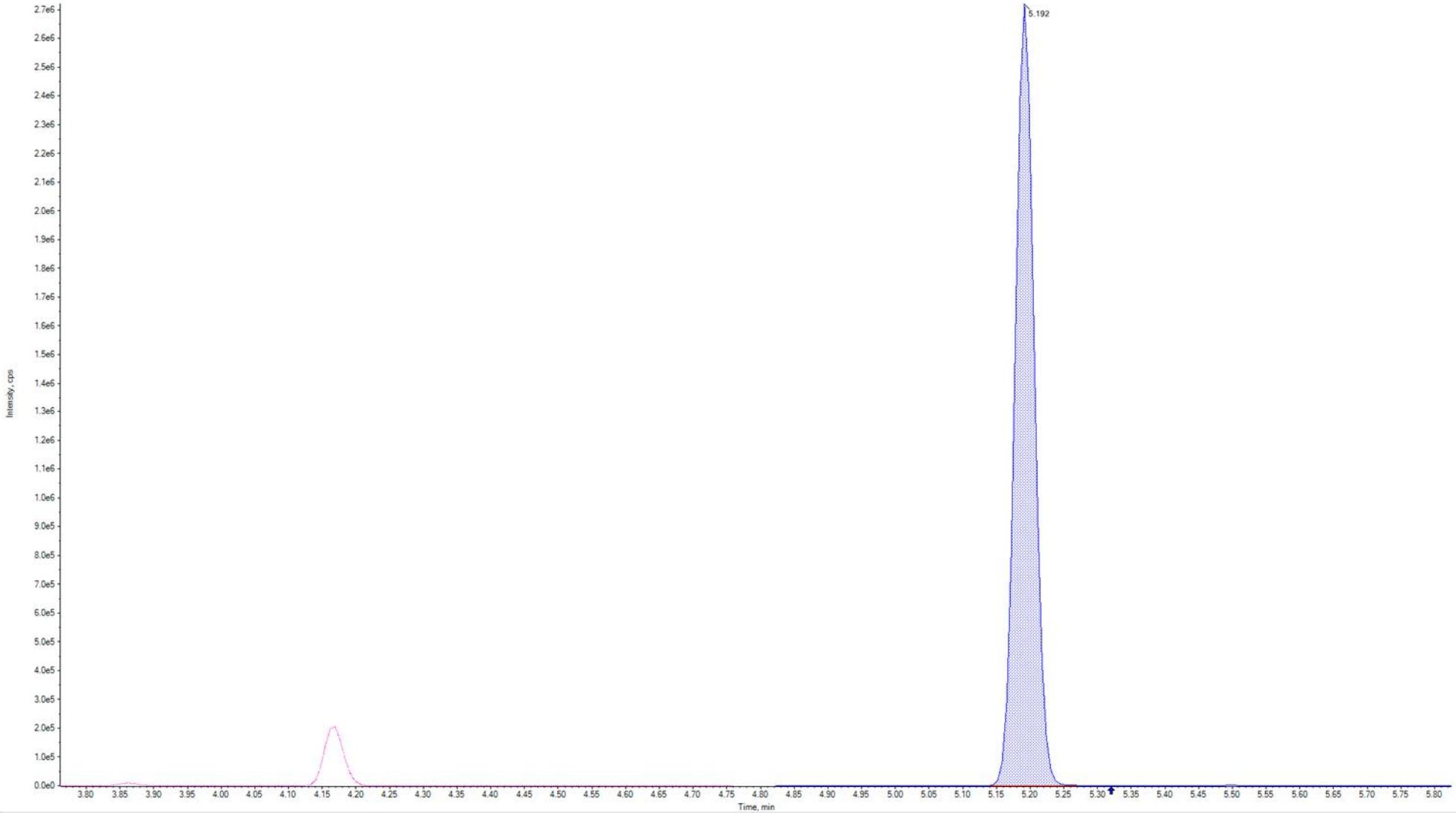
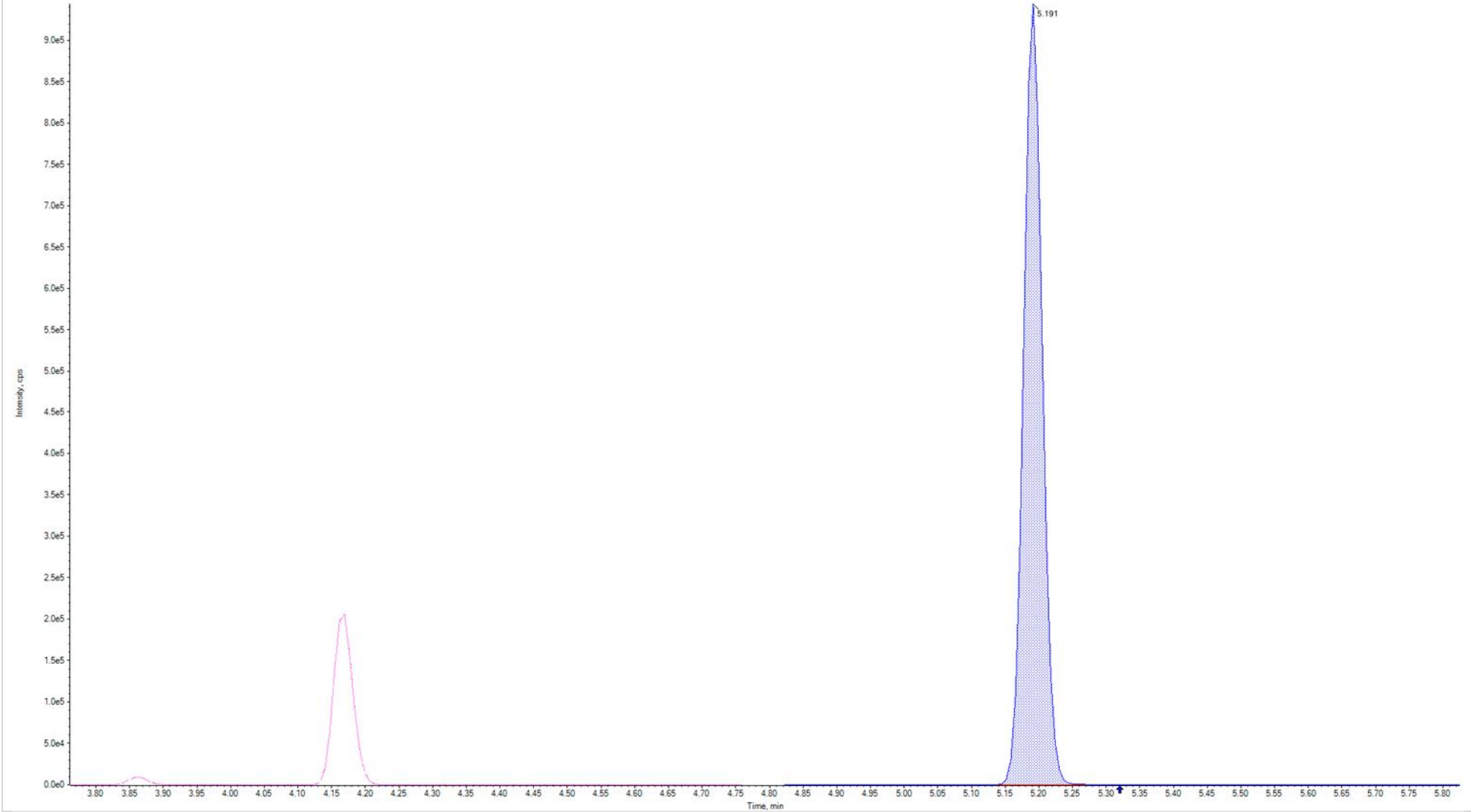
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

11Cl-PF3OUdS
Sample: WG2011094-17,1633FMED S/N:129527.5 Points Across peak:35



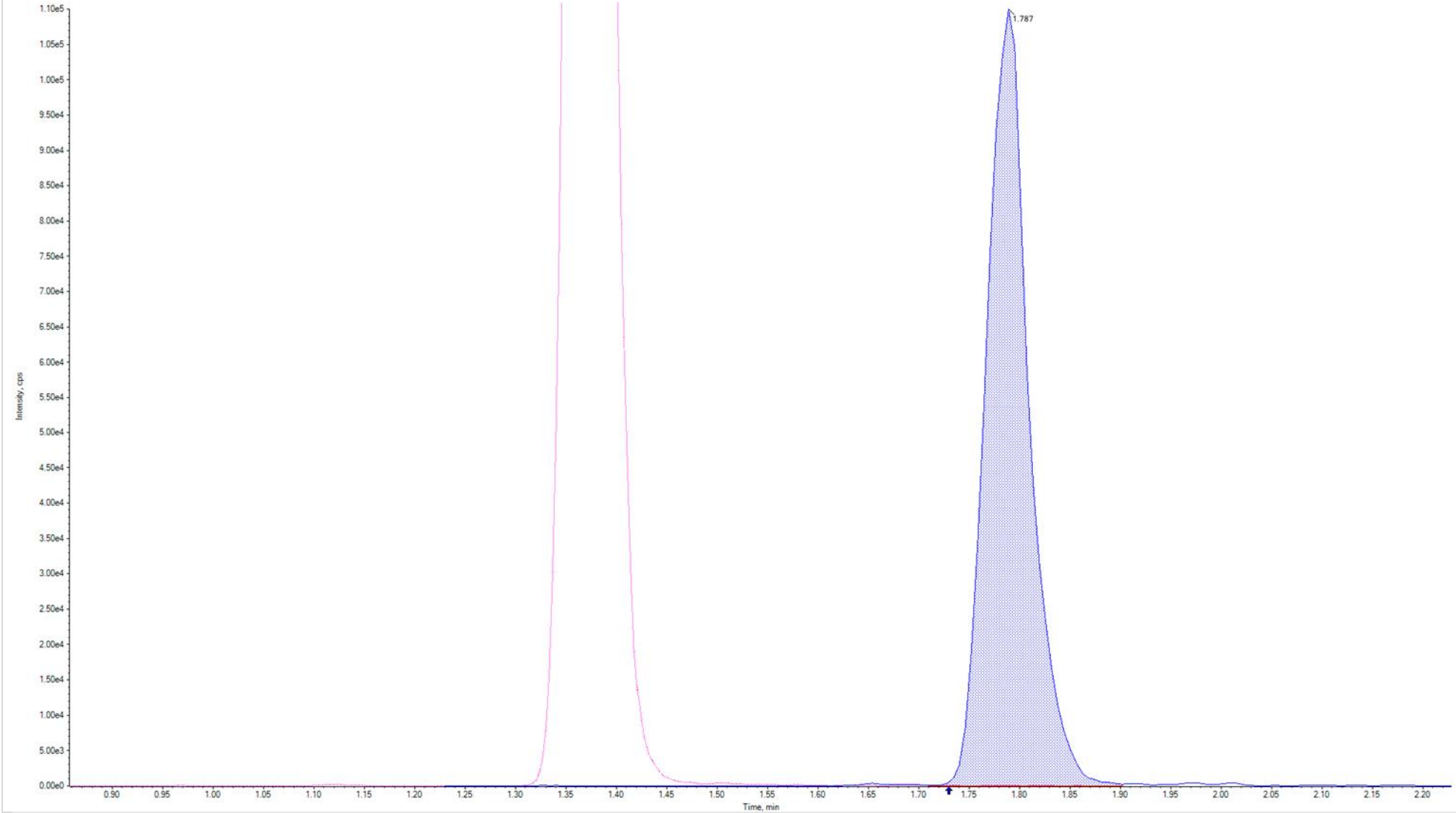
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

11Cl-PF3OUdS_2
Sample: WG2011094-17,1633FMED S/N:4522.0 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

3:3FTCA
Sample: WG2011094-17,1633FMED S/N:2757.0 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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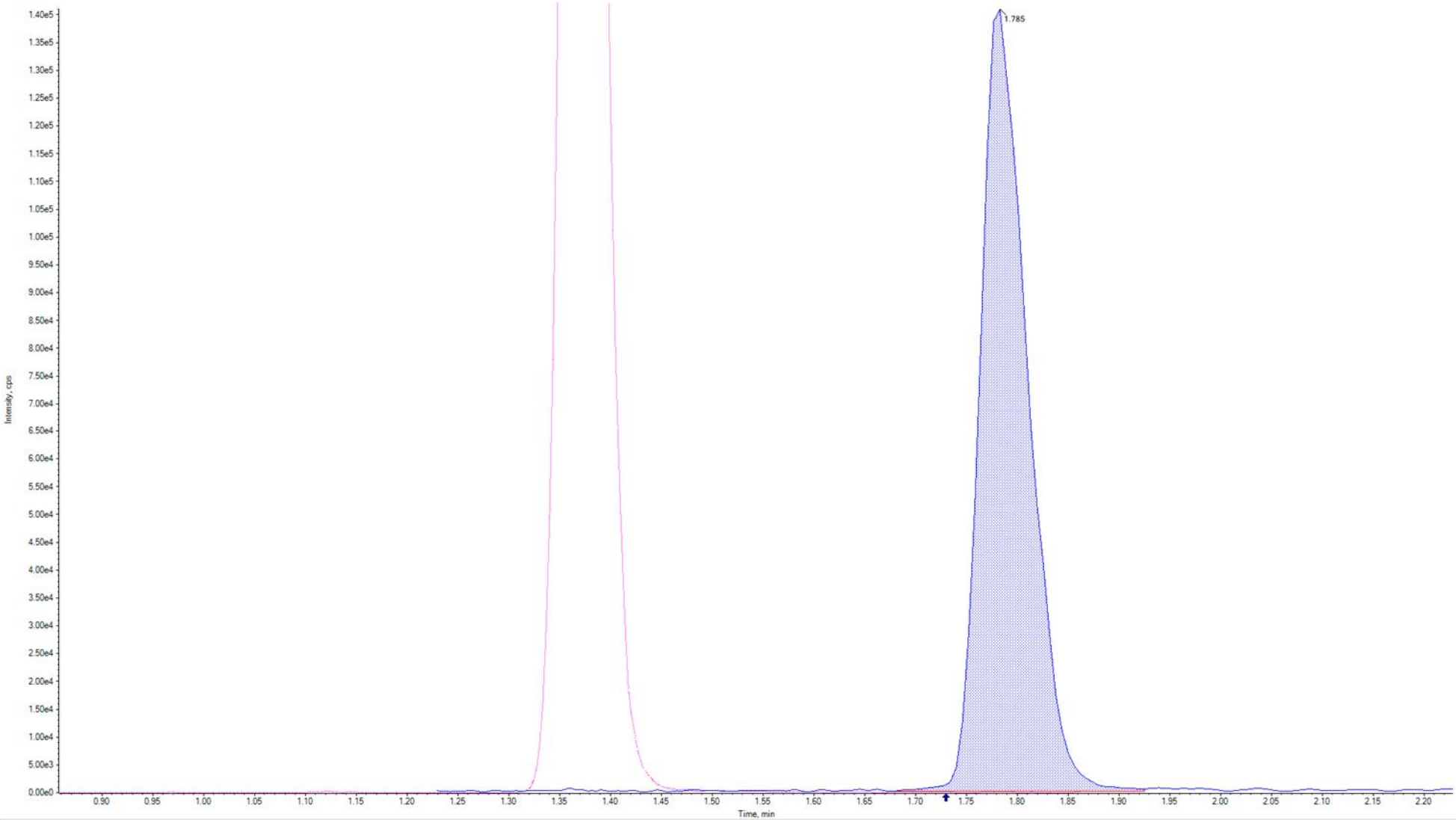
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

3:3FTCA_2
Sample: WG2011094-17,1633FMED S/N:2190.4 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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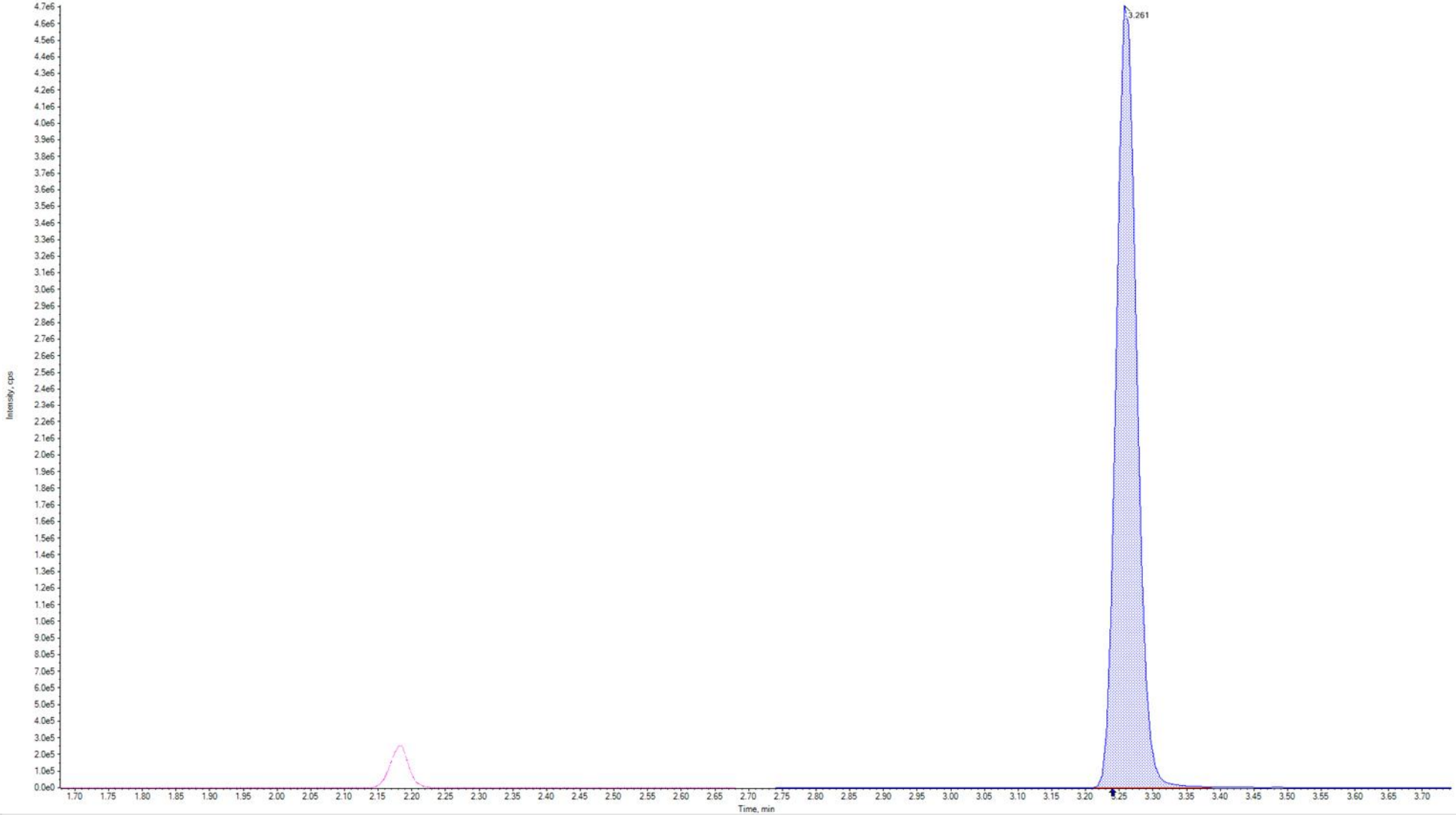
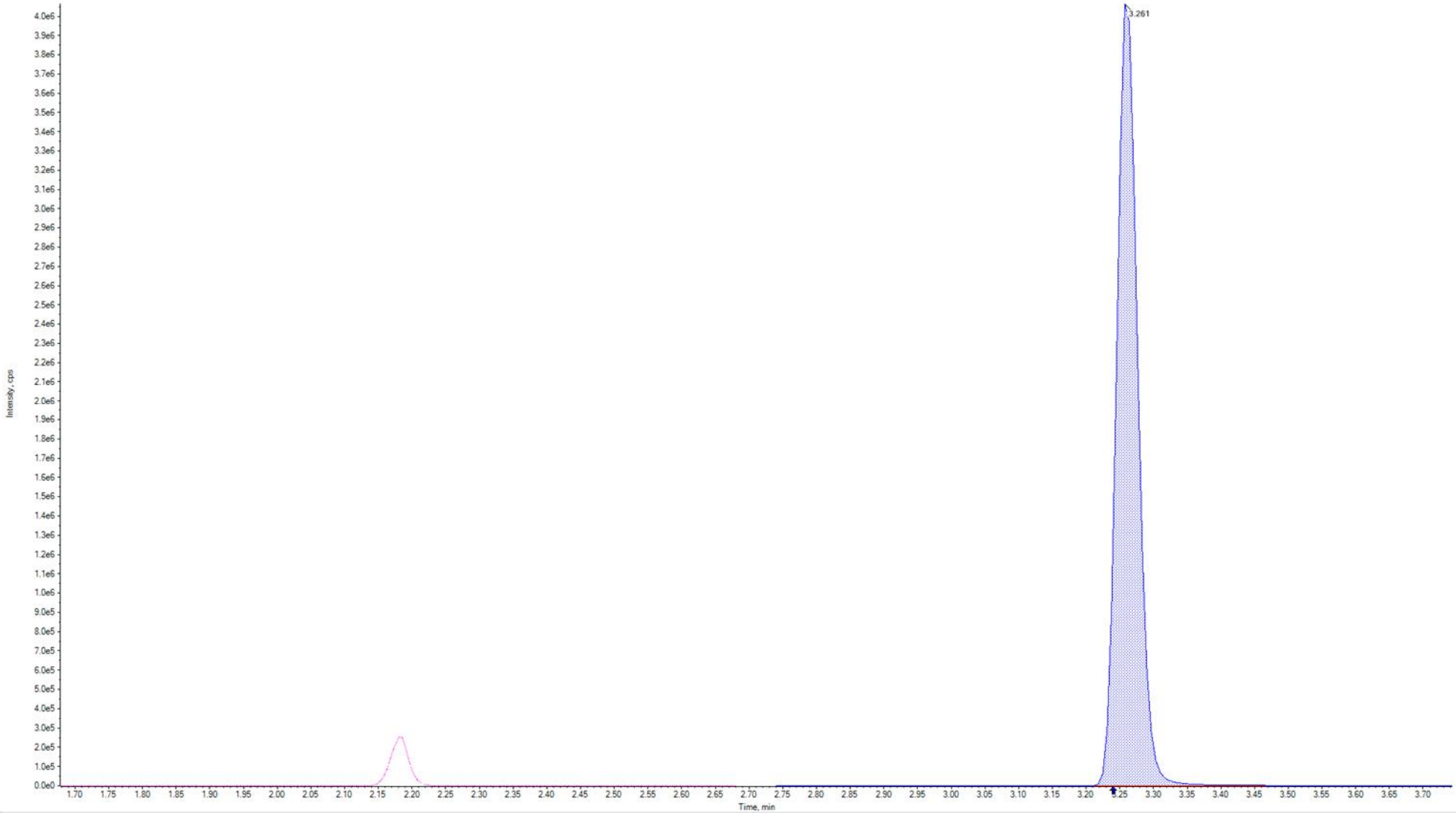
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

5:3FTCA
Sample: WG2011094-17,1633FMED S/N:106246.7 Points Across peak:30



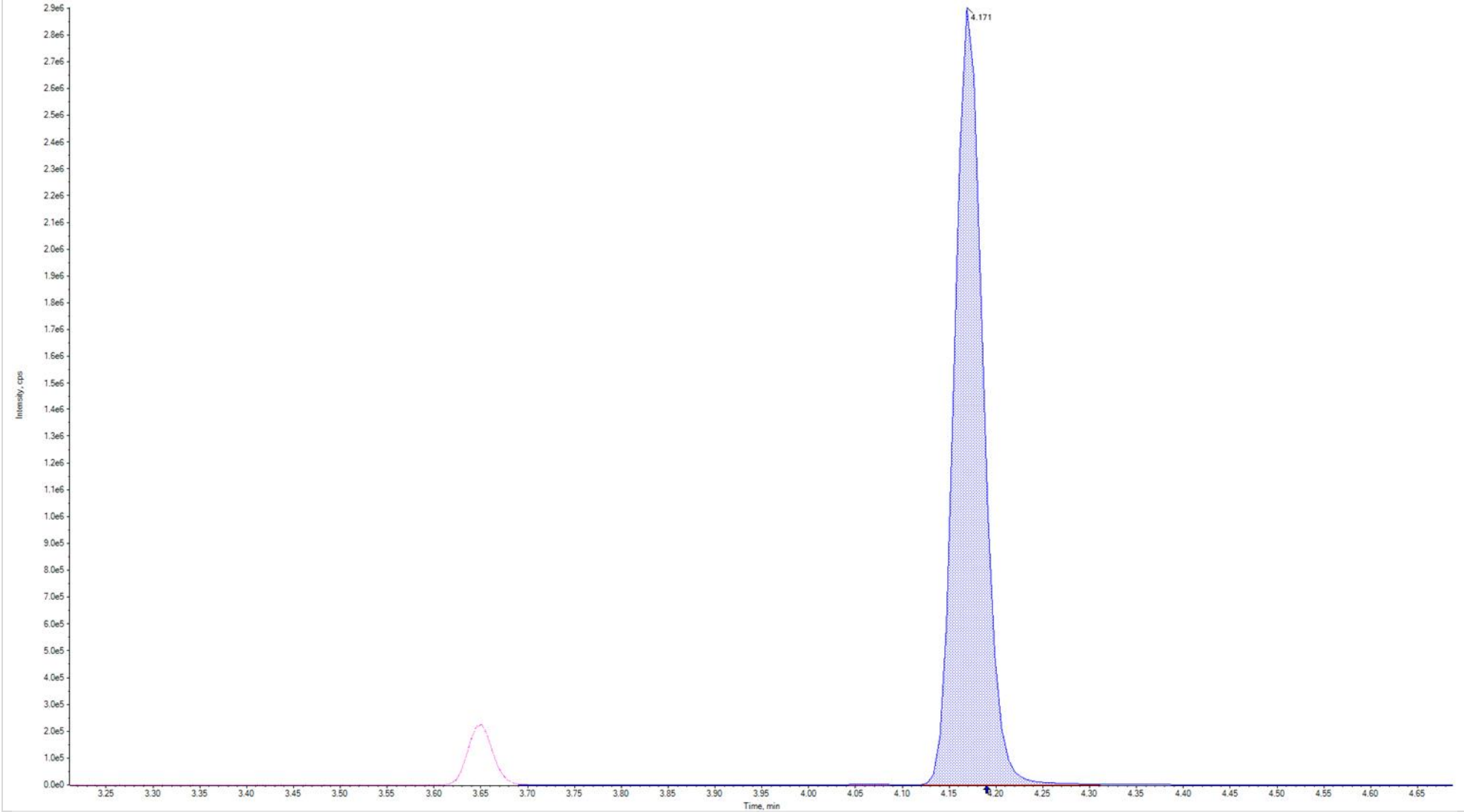
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

5:3FTCA_2
Sample: WG2011094-17,1633FMED S/N:91682.4 Points Across peak:54



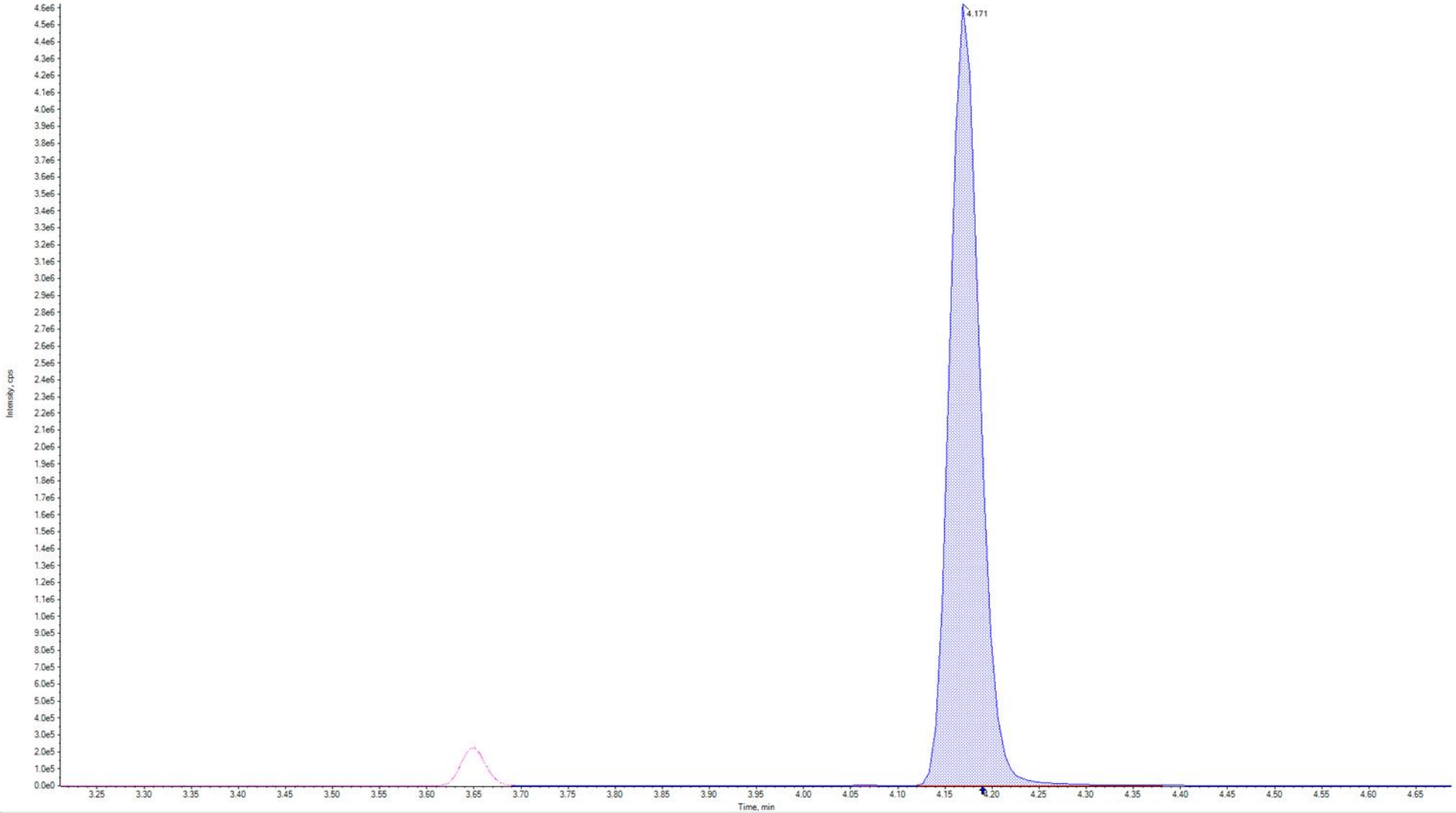
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

7:3FTCA
Sample: WG2011094-17,1633FMED S/N:3260.8 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

7:3FTCA_2
Sample: WG2011094-17,1633FMED S/N:3445.7 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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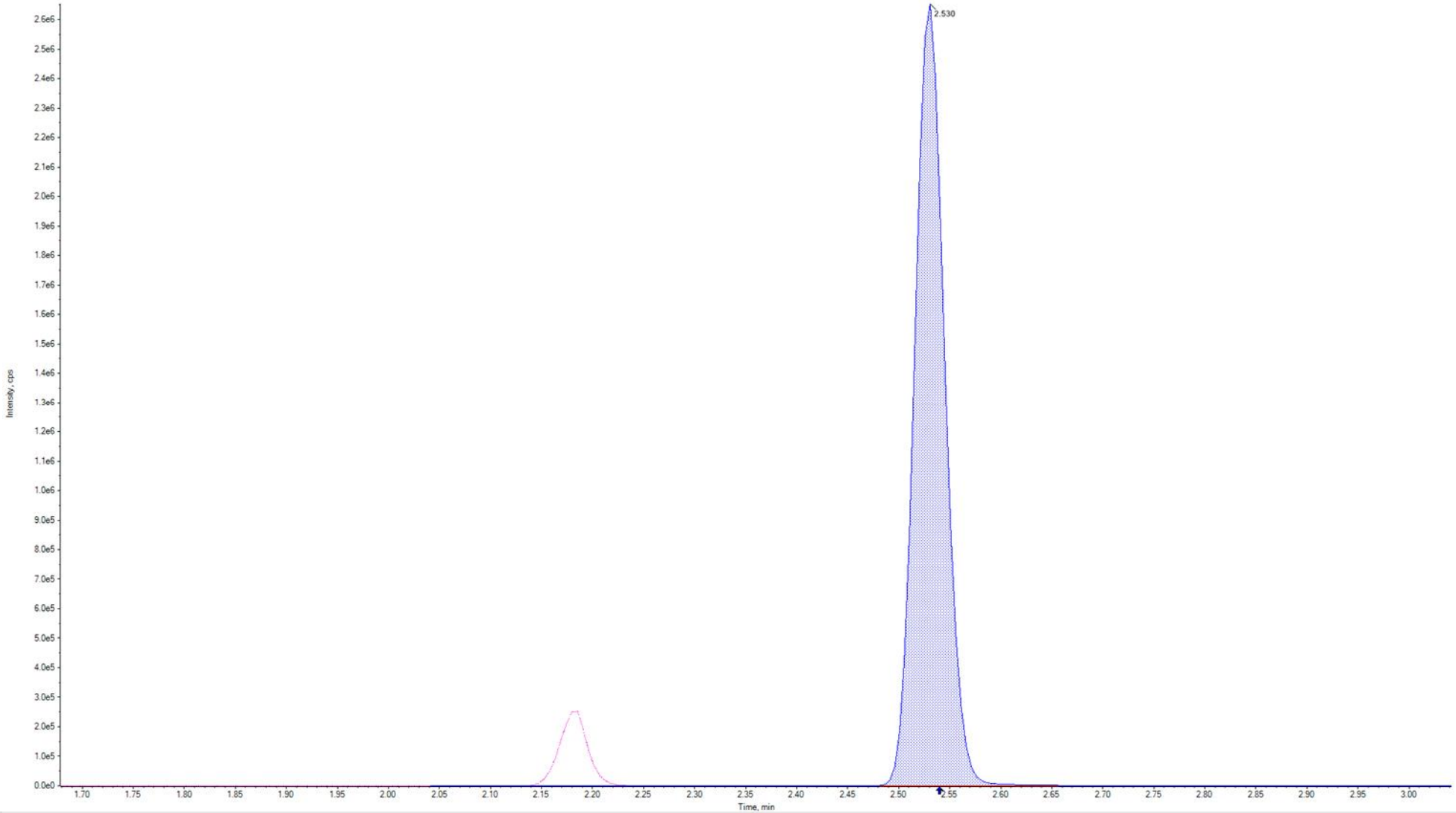
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFEESA
Sample: WG2011094-17,1633FMED S/N:59854.0 Points Across peak:48



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 12:10:49 PM
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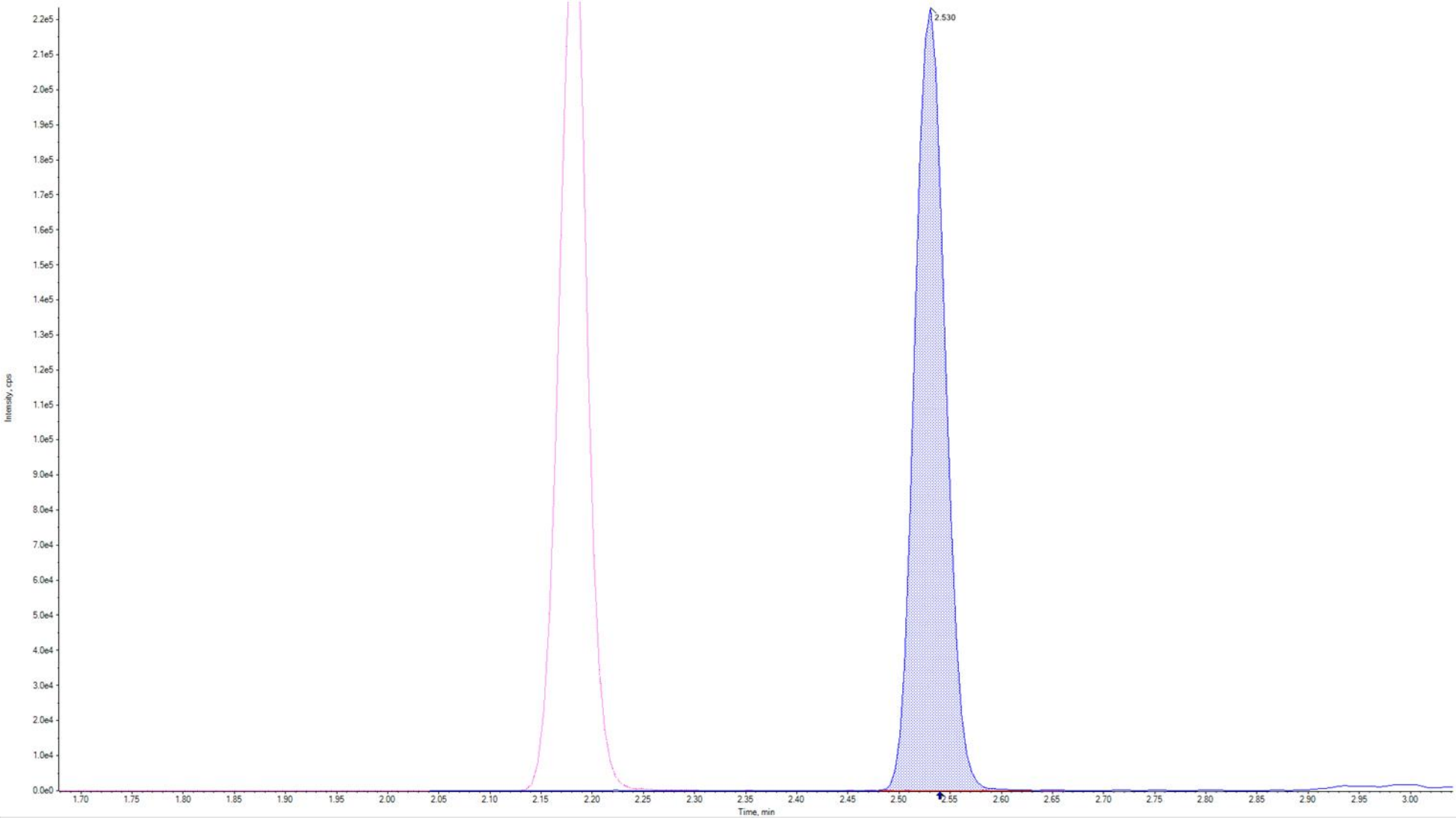
PFEESA_2
Sample: WG2011094-17,1633FMED S/N:2968.9 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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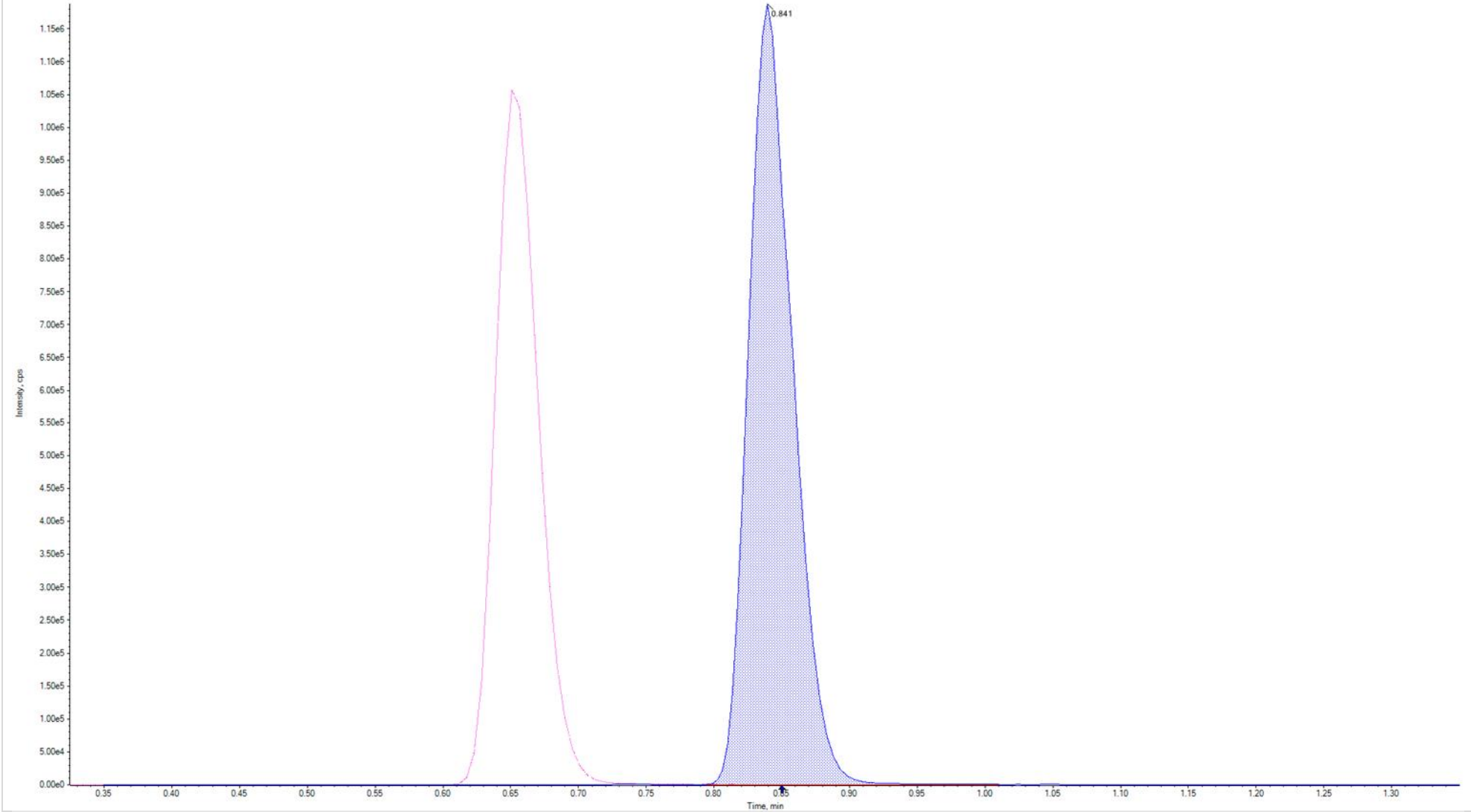
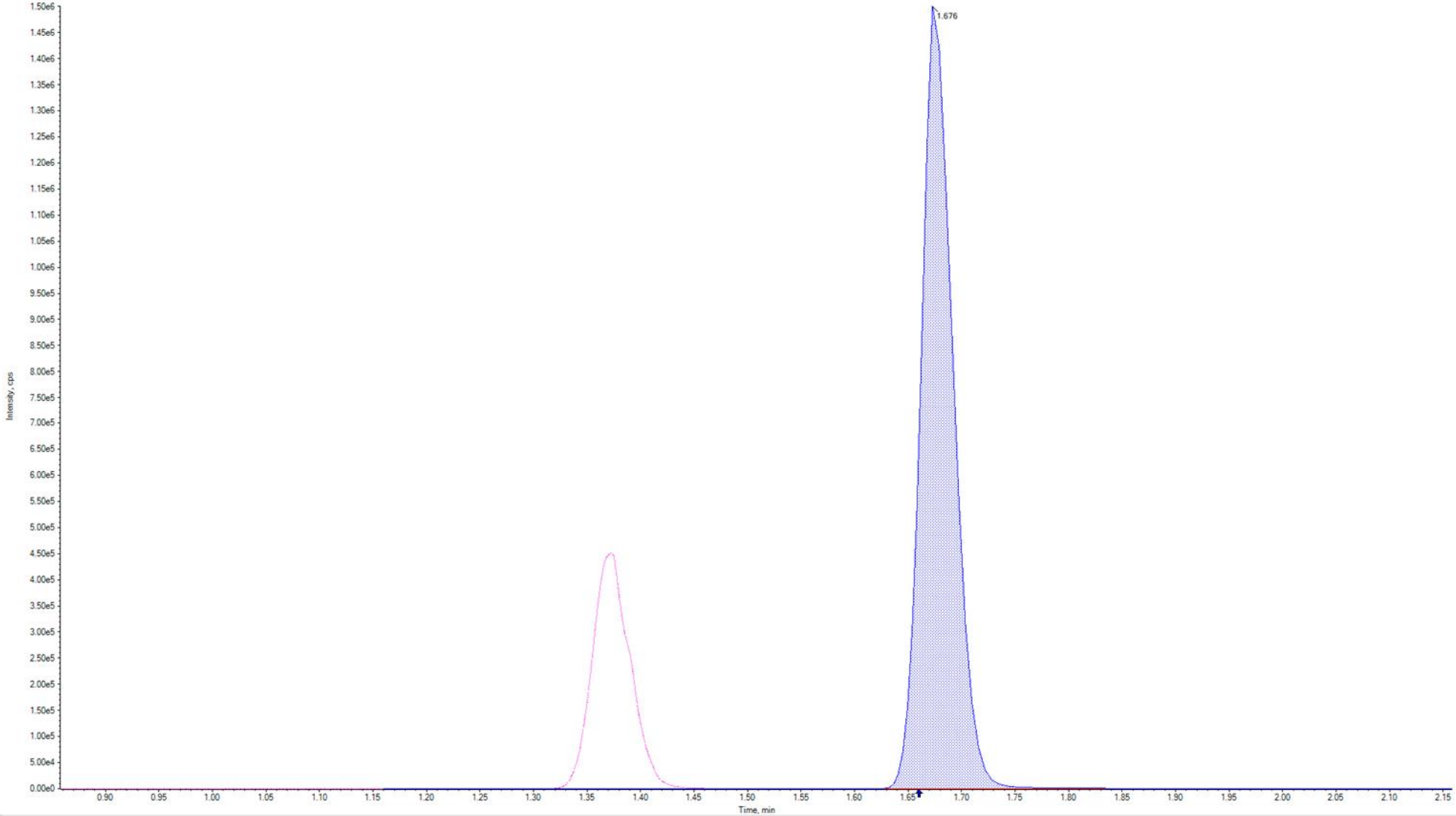
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFMPA
Sample: WG2011094-17,1633FMED S/N:35740.0 Points Across peak:52



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

PFMBA
Sample: WG2011094-17,1633FMED S/N:86515.7 Points Across peak:43



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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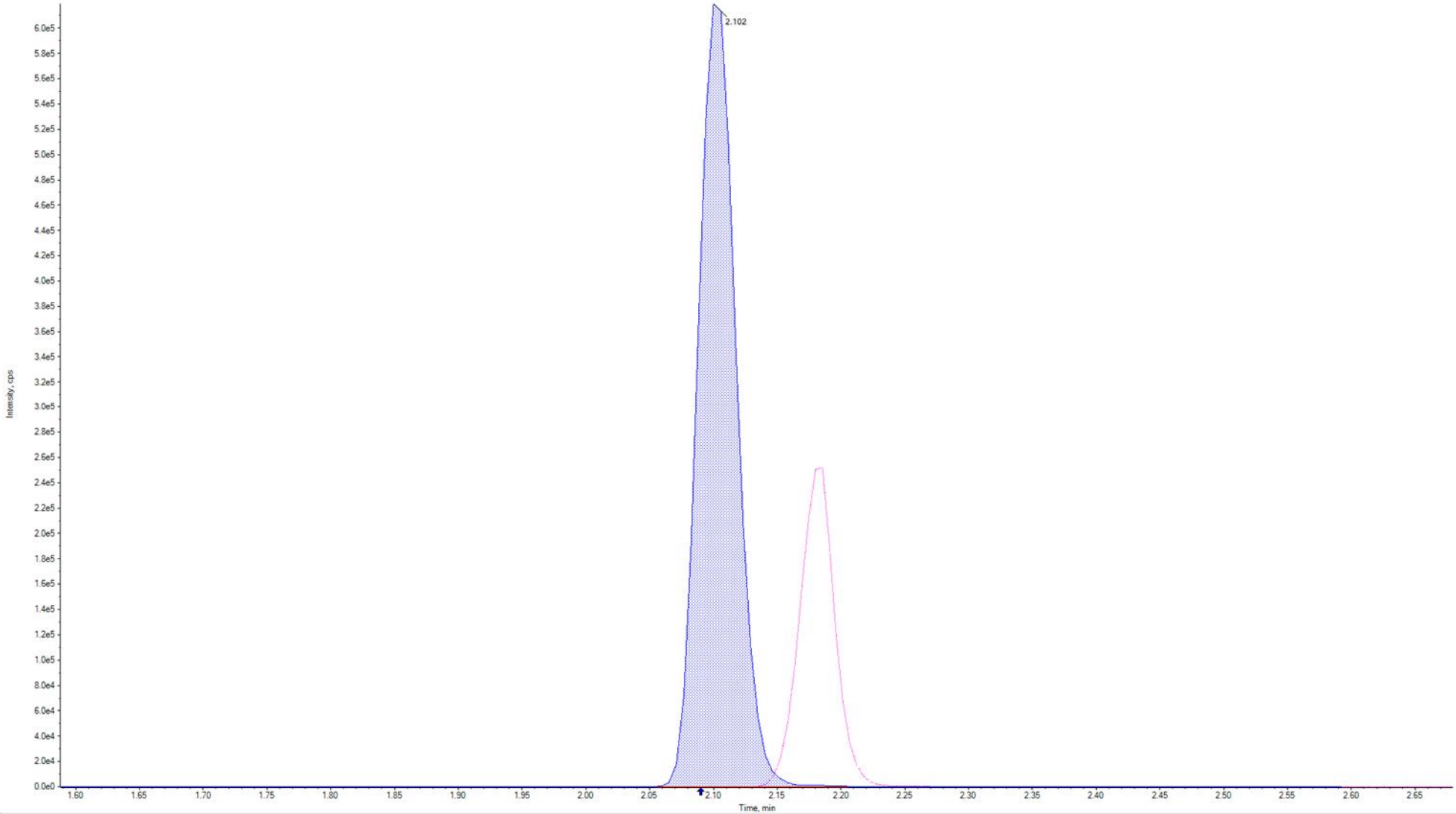
NFDHA
Sample: WG2011094-17,1633FMED S/N:7658.6 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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Last Altered: 12/20/2024 12:10:49 PM
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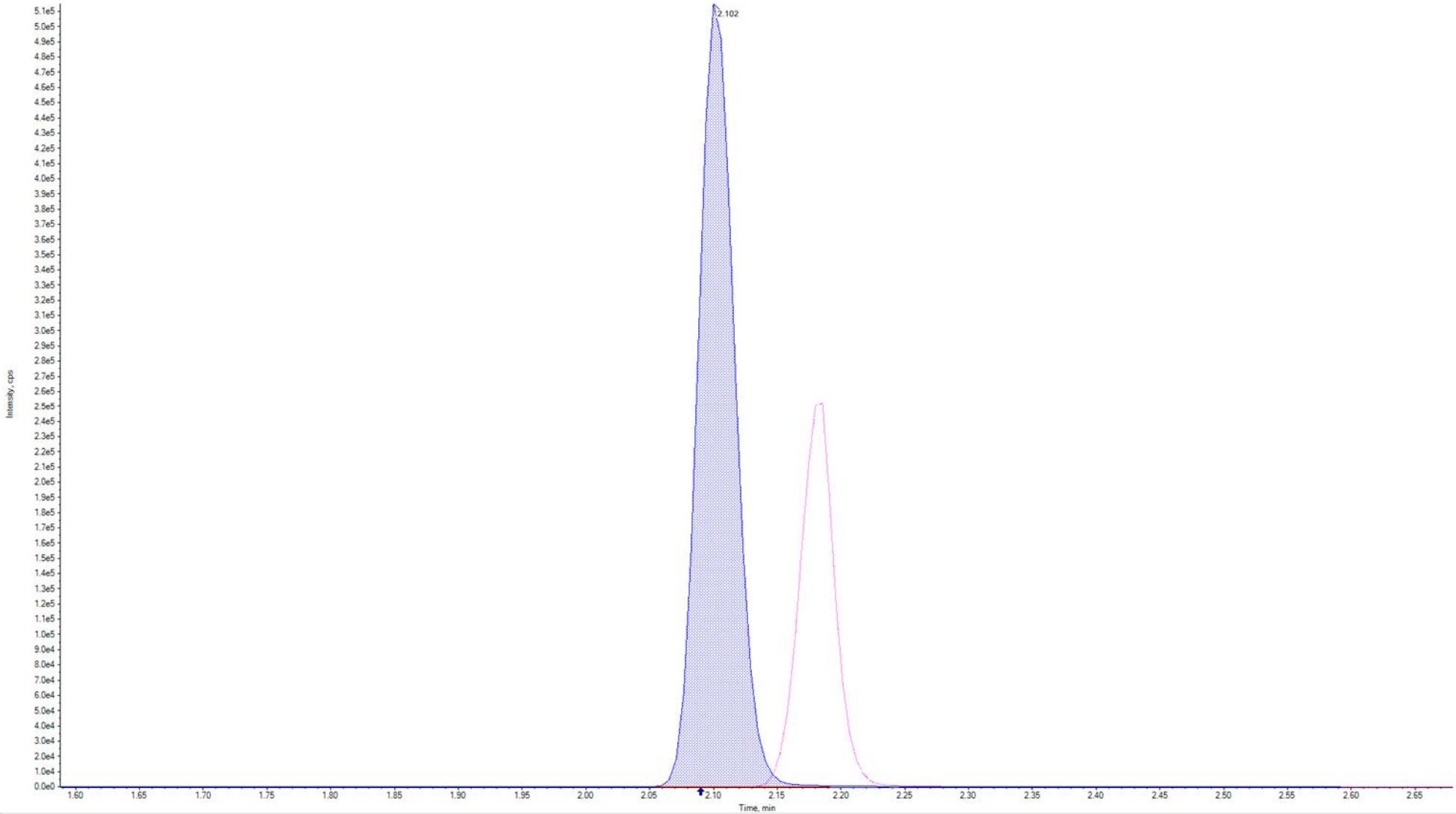
NFDHA_2
Sample: WG2011094-17,1633FMED S/N:14198.5 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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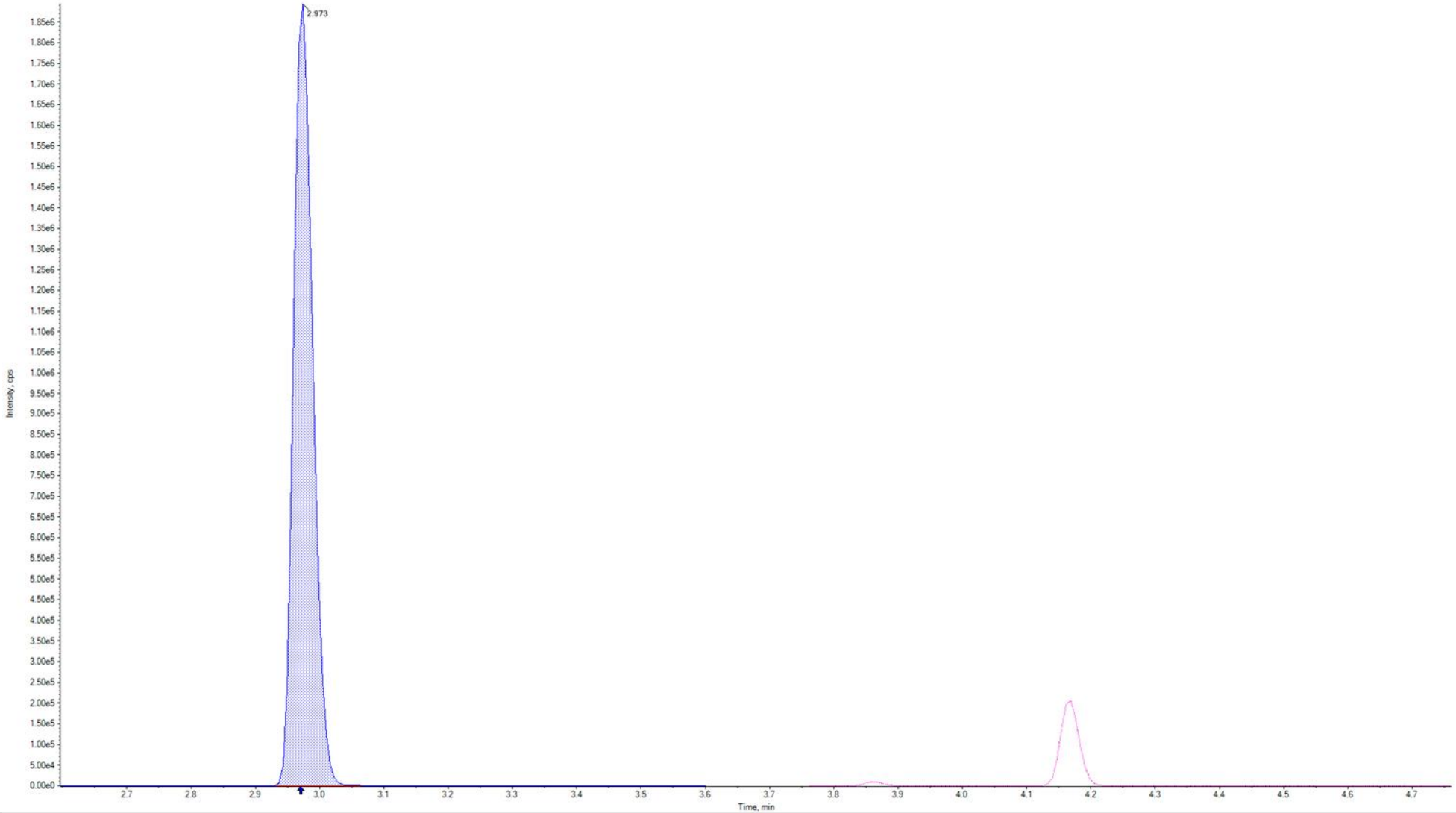
TDCA
Sample: WG2011094-17,1633FMED S/N:24530.4 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 12:10:49 PM
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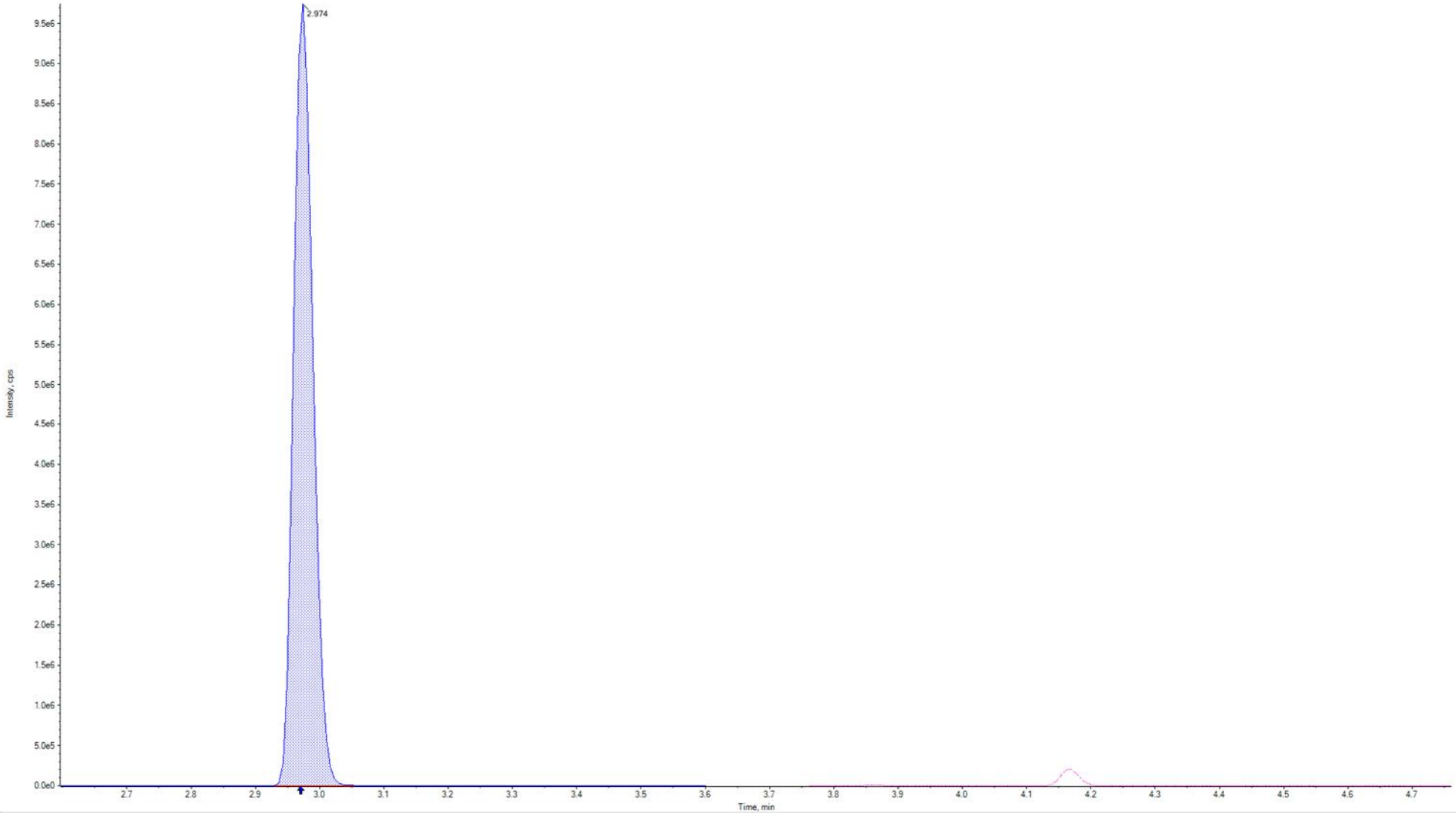
TDCA_2
Sample: WG2011094-17,1633FMED S/N:11035.3 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 12:10:49 PM
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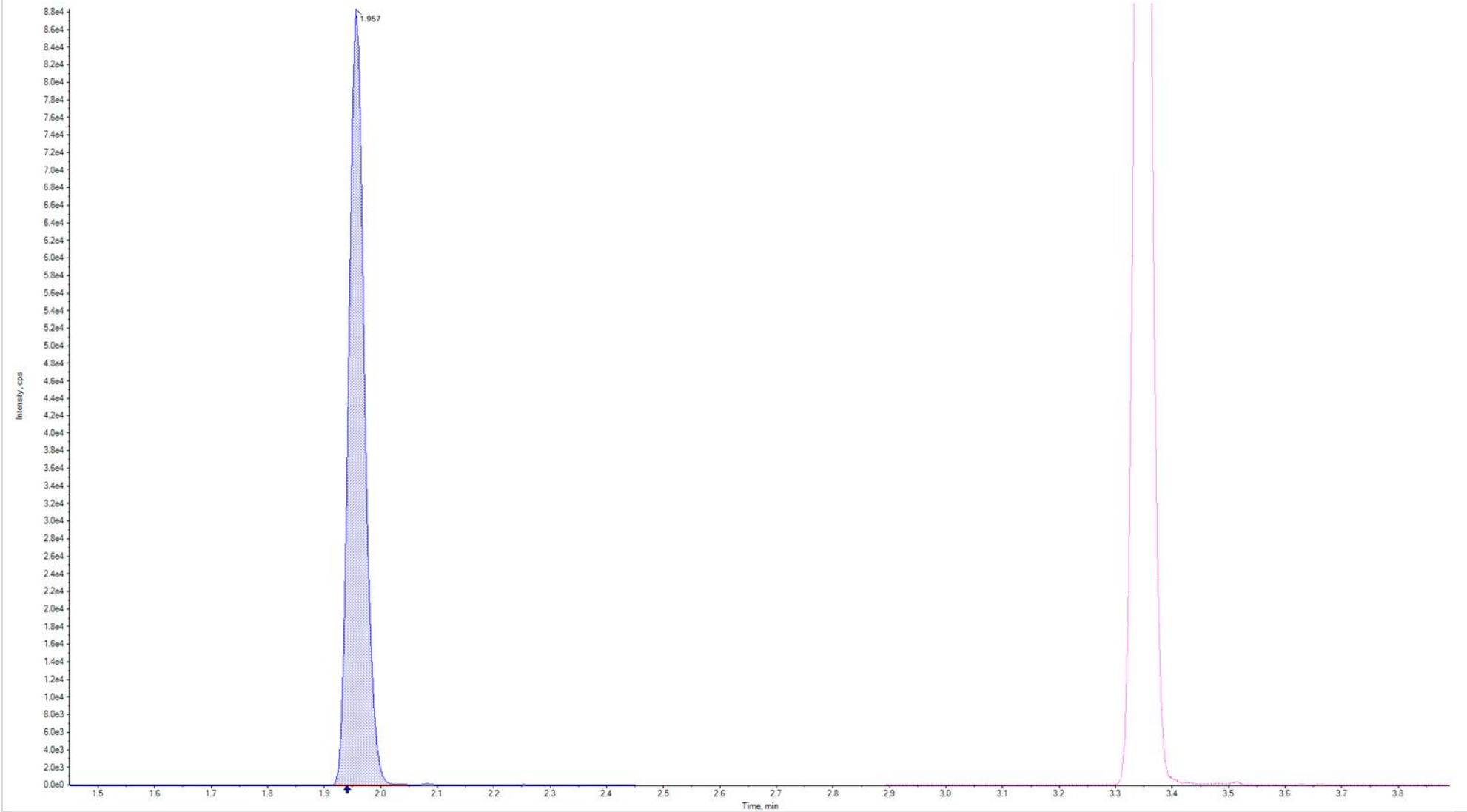
13C2D4-4:2FTS
Sample: WG2011094-17,1633FMED S/N:3321.0 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 12:10:49 PM
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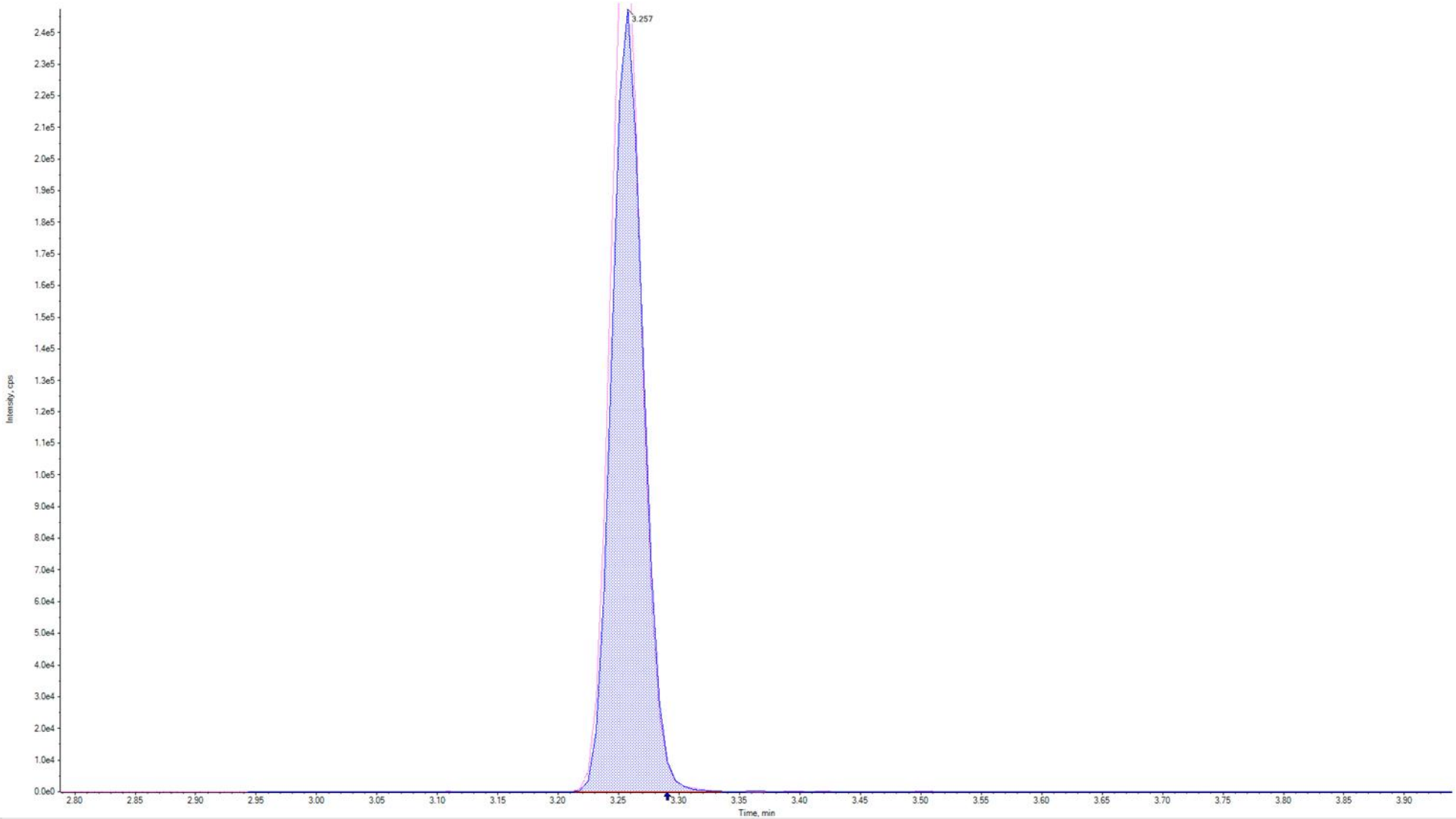
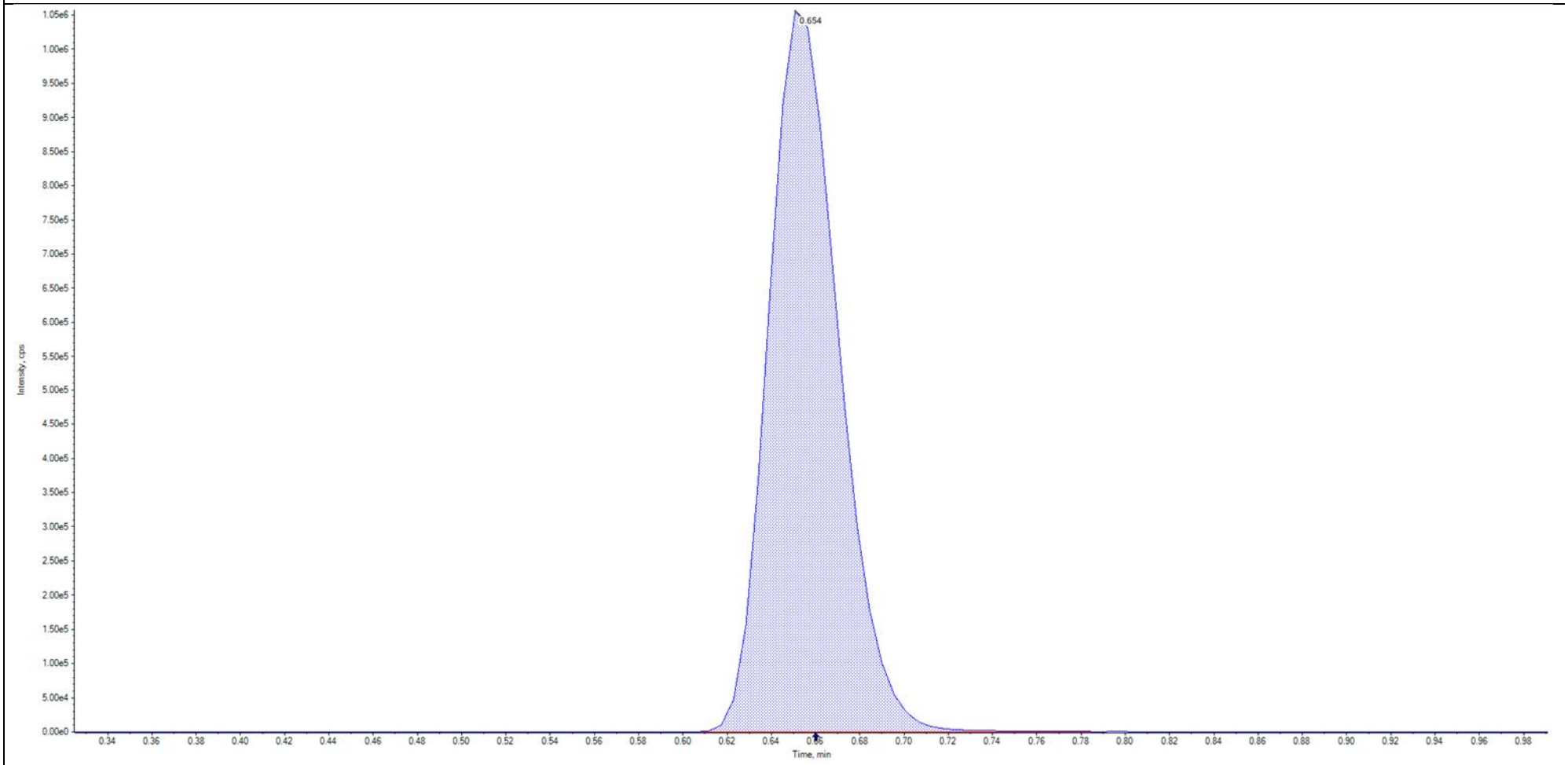
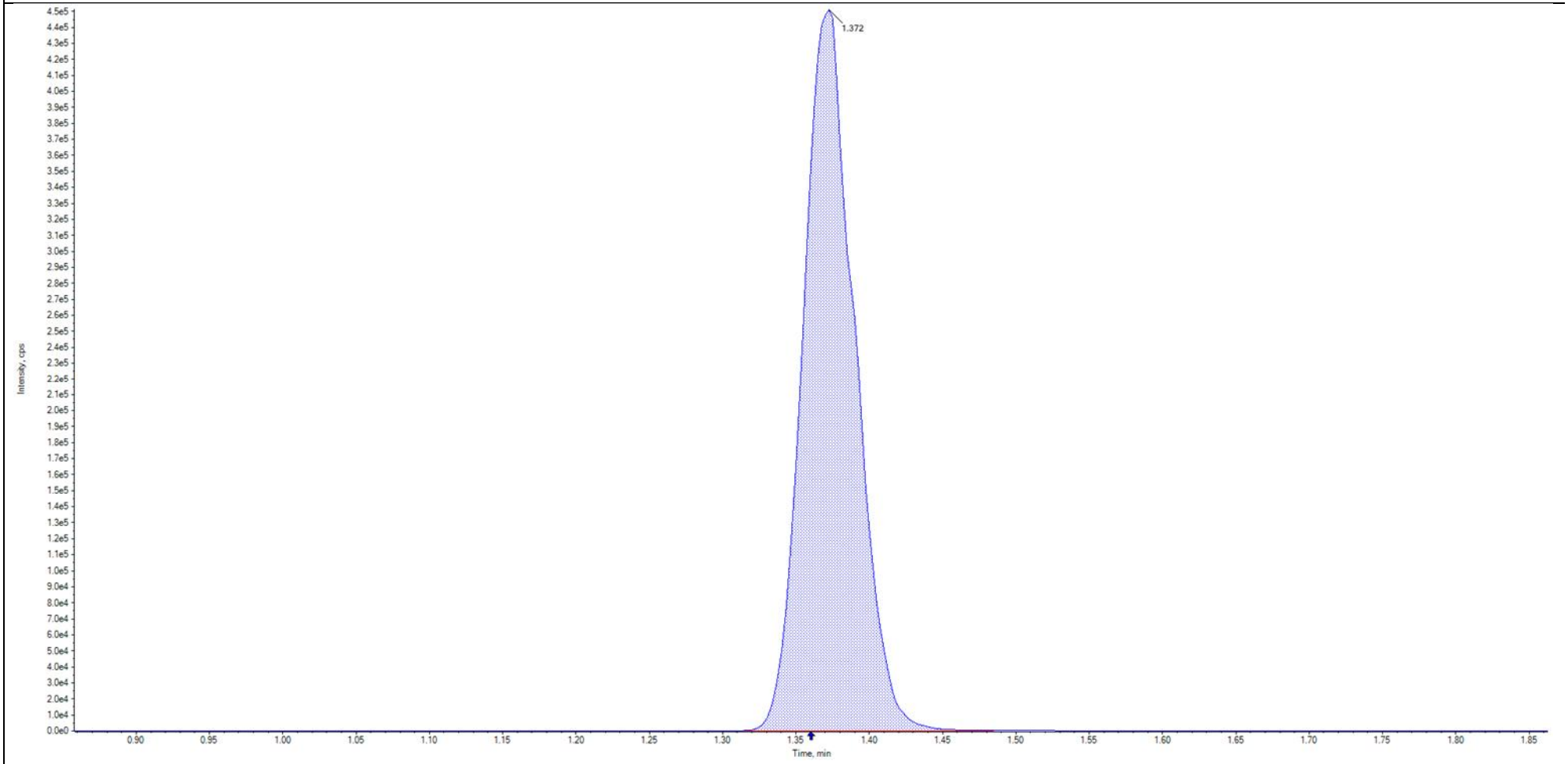
13C2-PFOA
Sample: WG2011094-17,1633FMED S/N:5580.9 Points Across peak:24



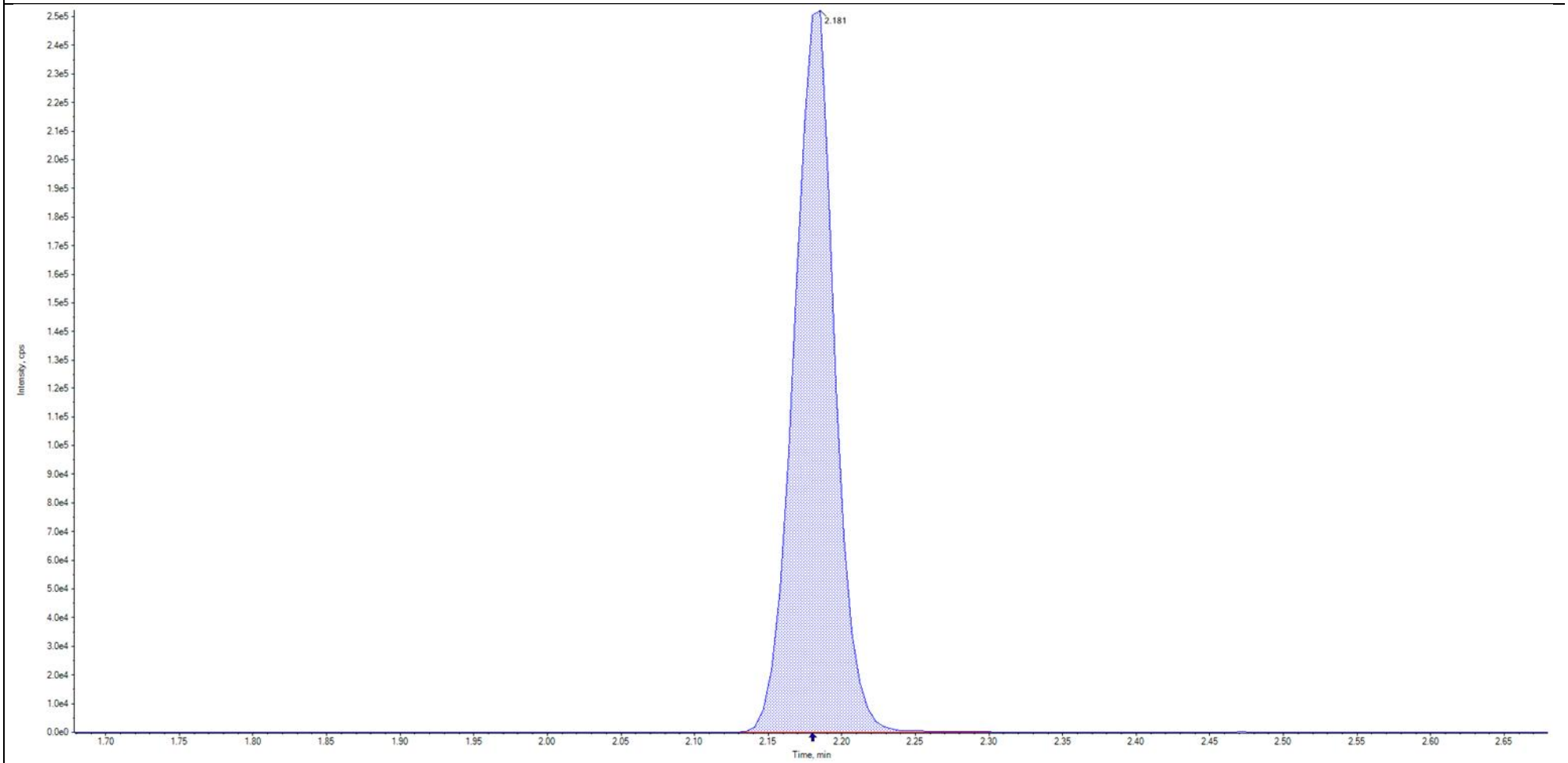
13C4-PFBA
Sample: WG2011094-17,1633FMED



13C5-PFPeA
Sample: WG2011094-17,1633FMED



13C5-PFHxA
Sample: WG2011094-17,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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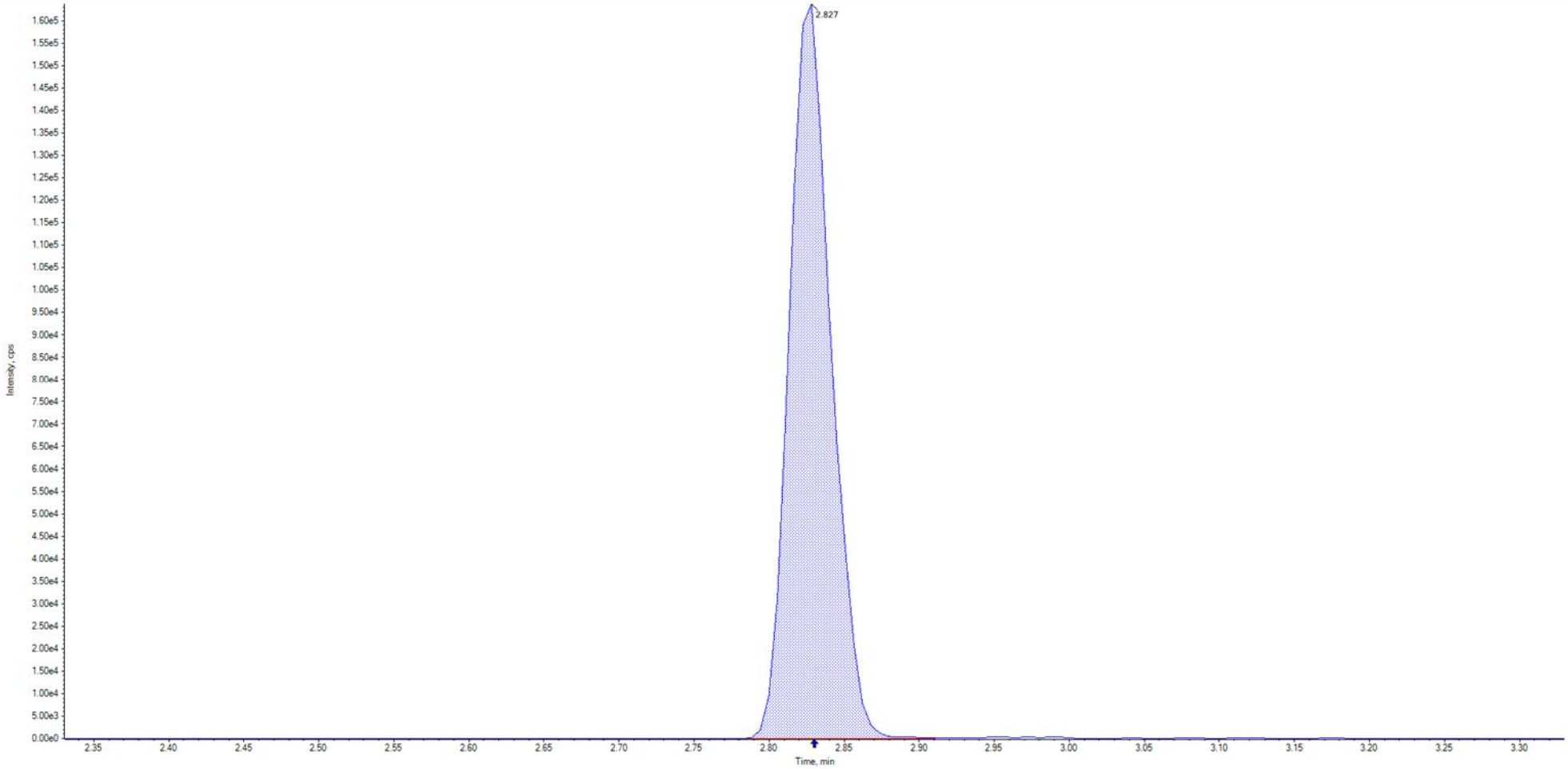
13C4-PFHpA
Sample: WG2011094-17,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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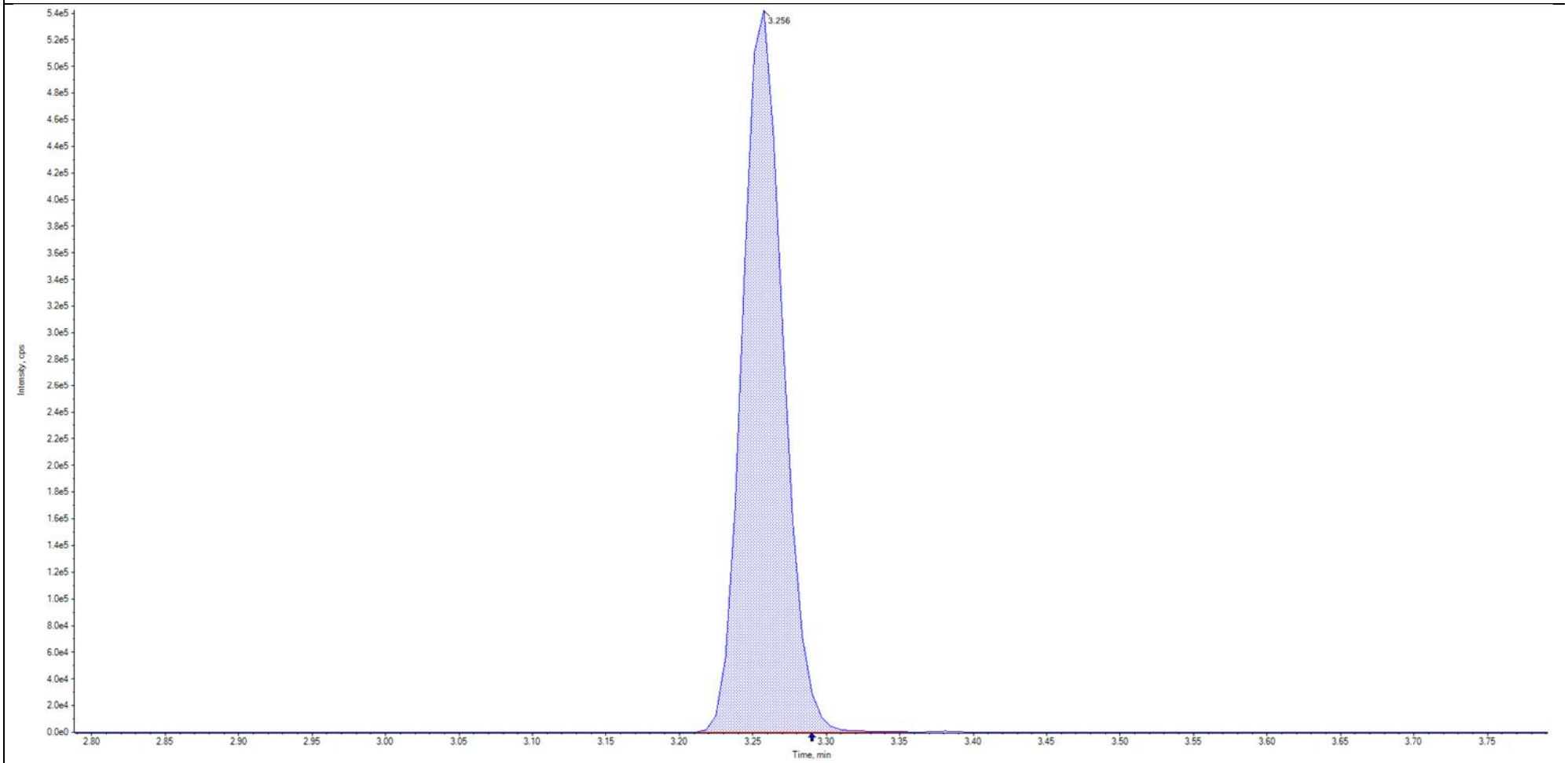
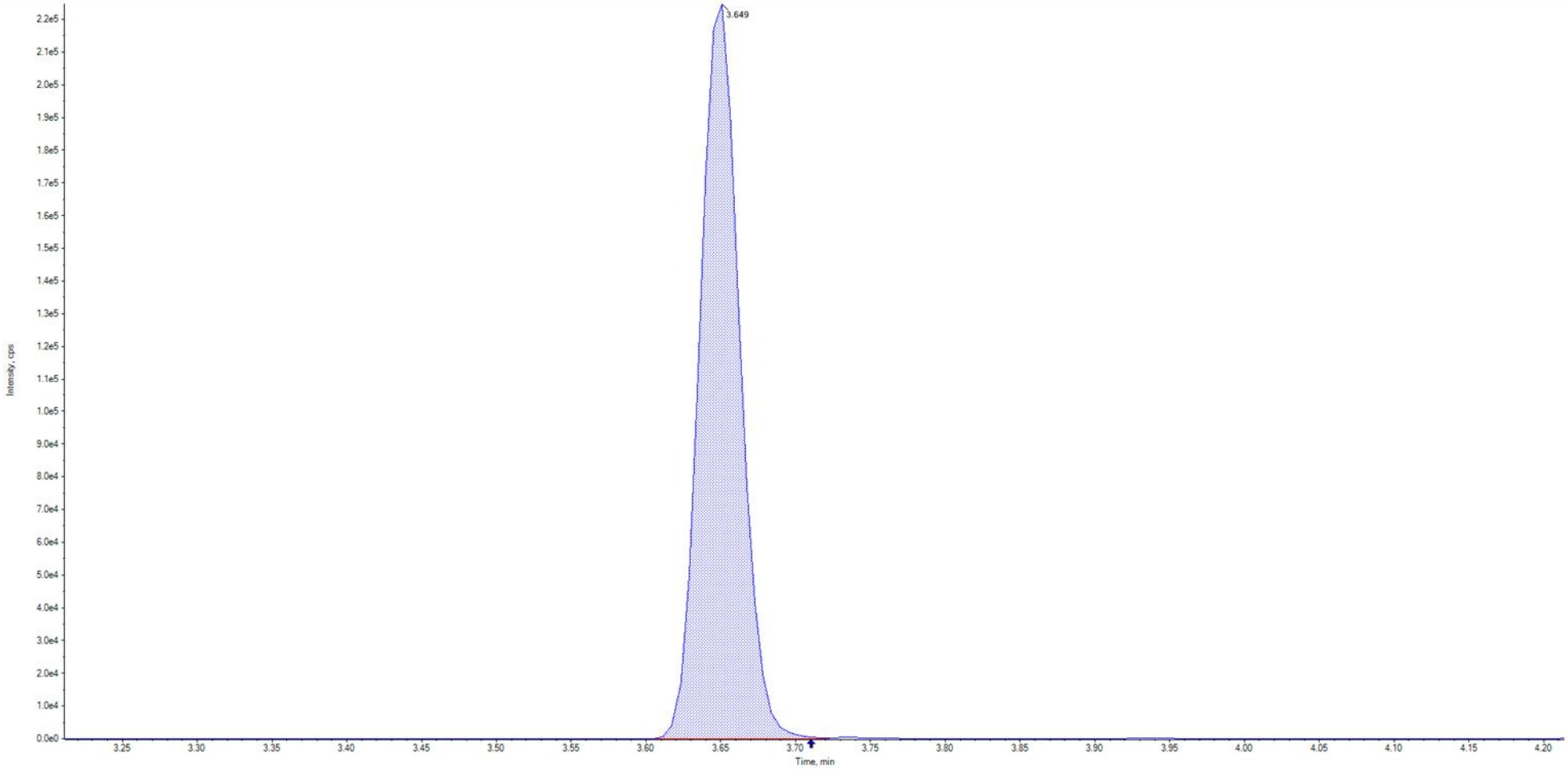
Generated: 12/19/2024 2:27:31 PM

13C8-PFOA
Sample: WG2011094-17,1633FMED



13C9-PFNA
Sample: WG2011094-17,1633FMED



13C6-PFDA
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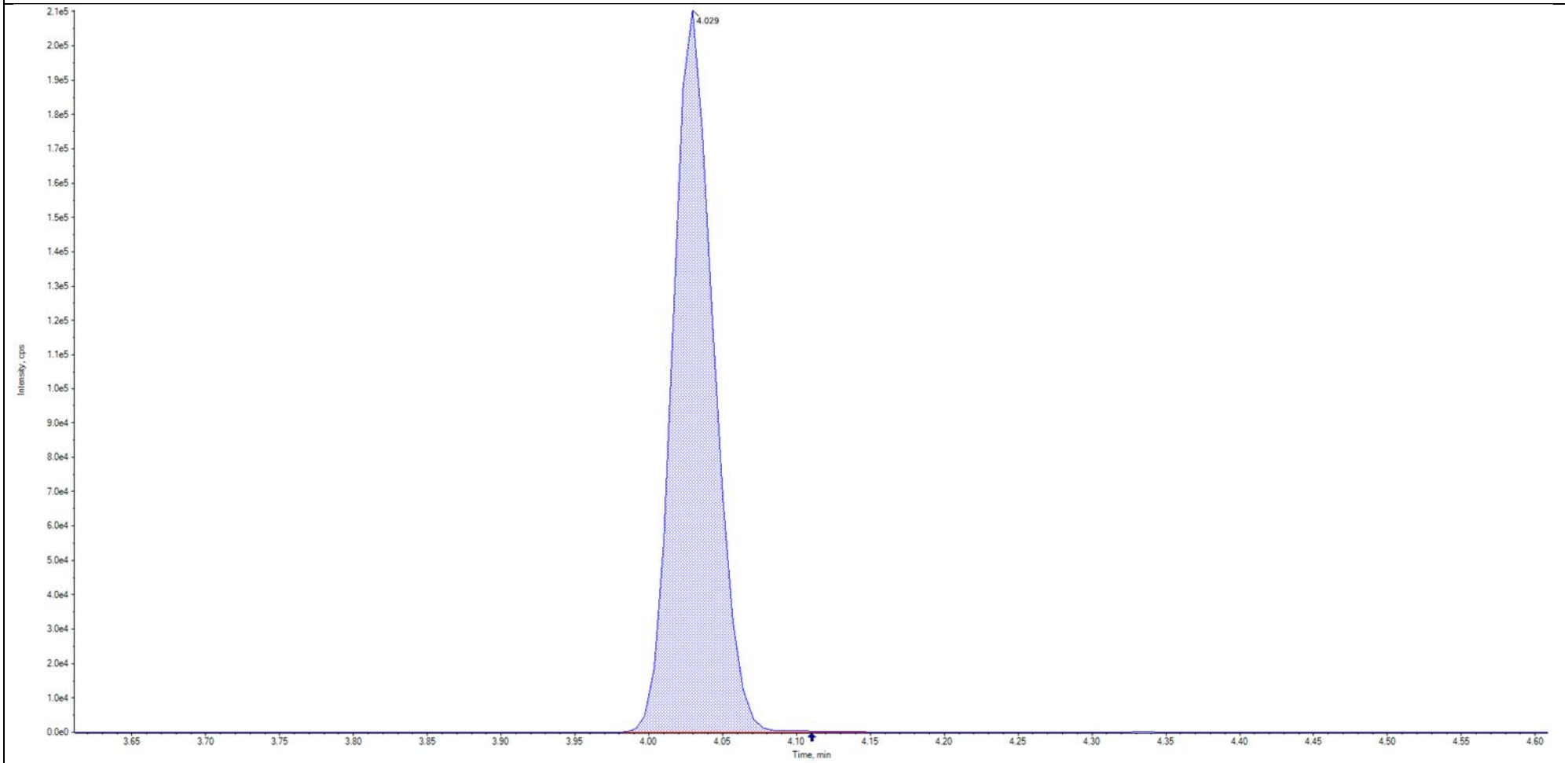

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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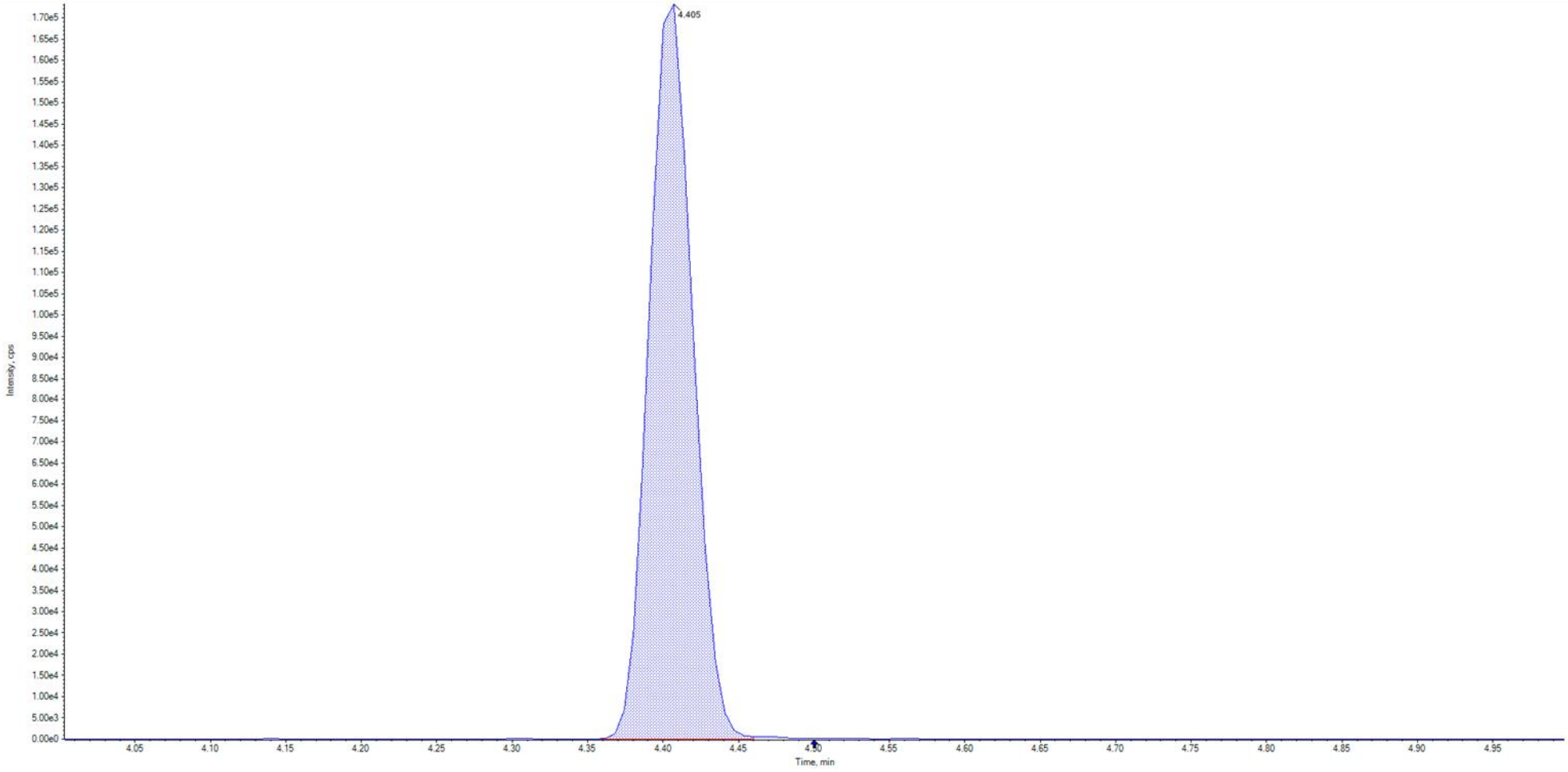
13C7-PFUnA
Sample: WG2011094-17,1633FMED



13C2-PFDoA
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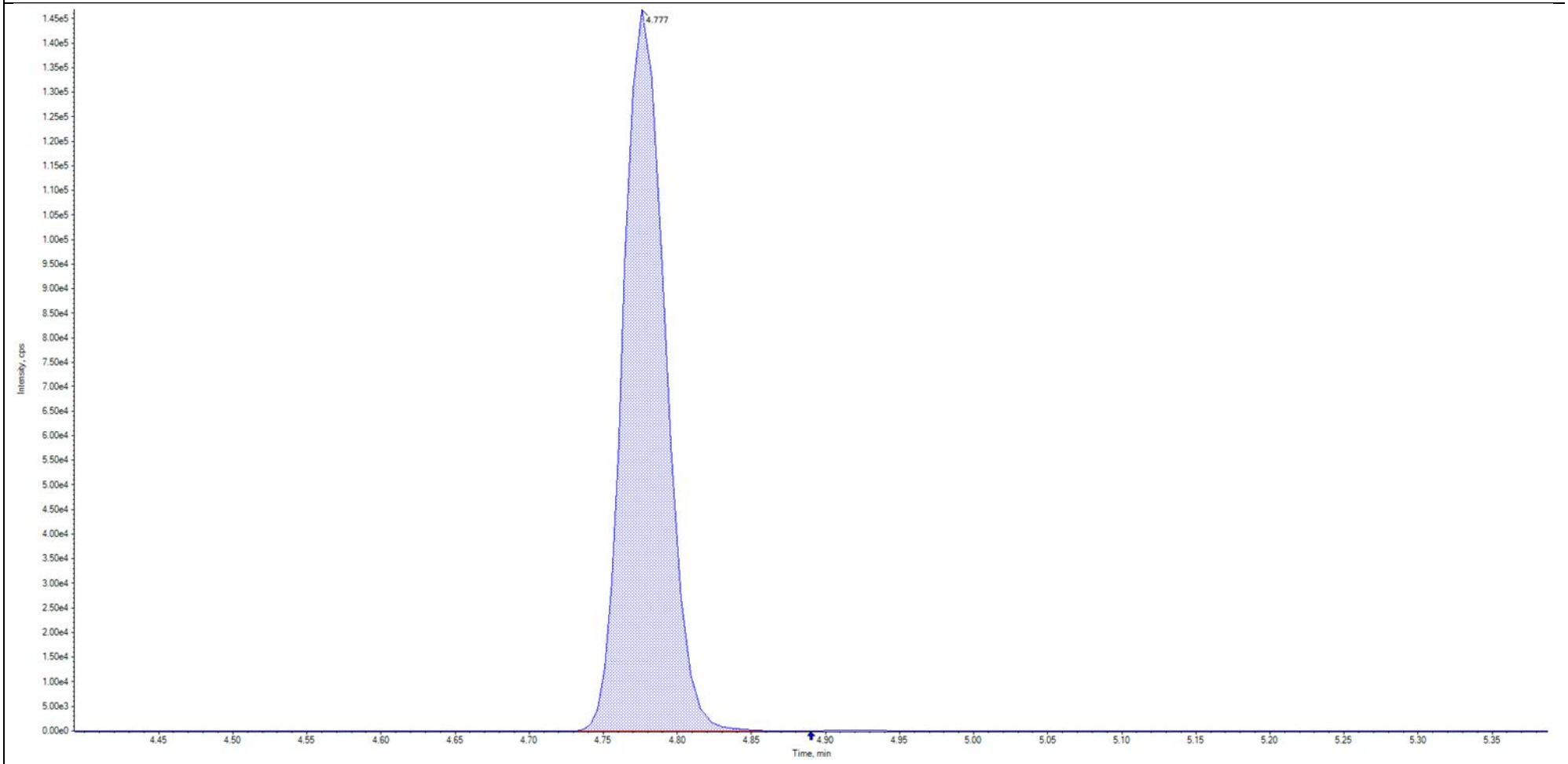
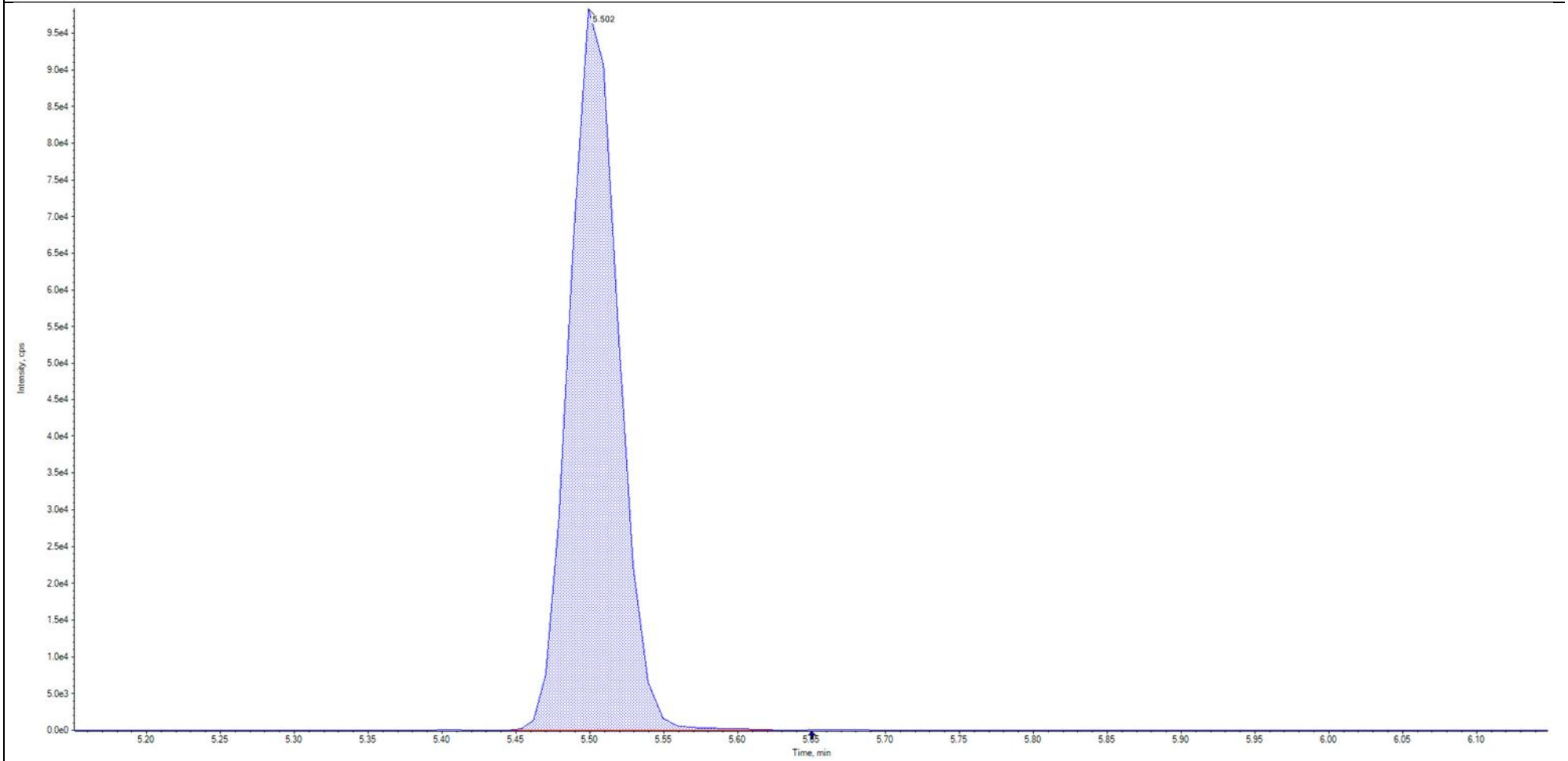


13C2-PFTeDA
Sample: WG2011094-17,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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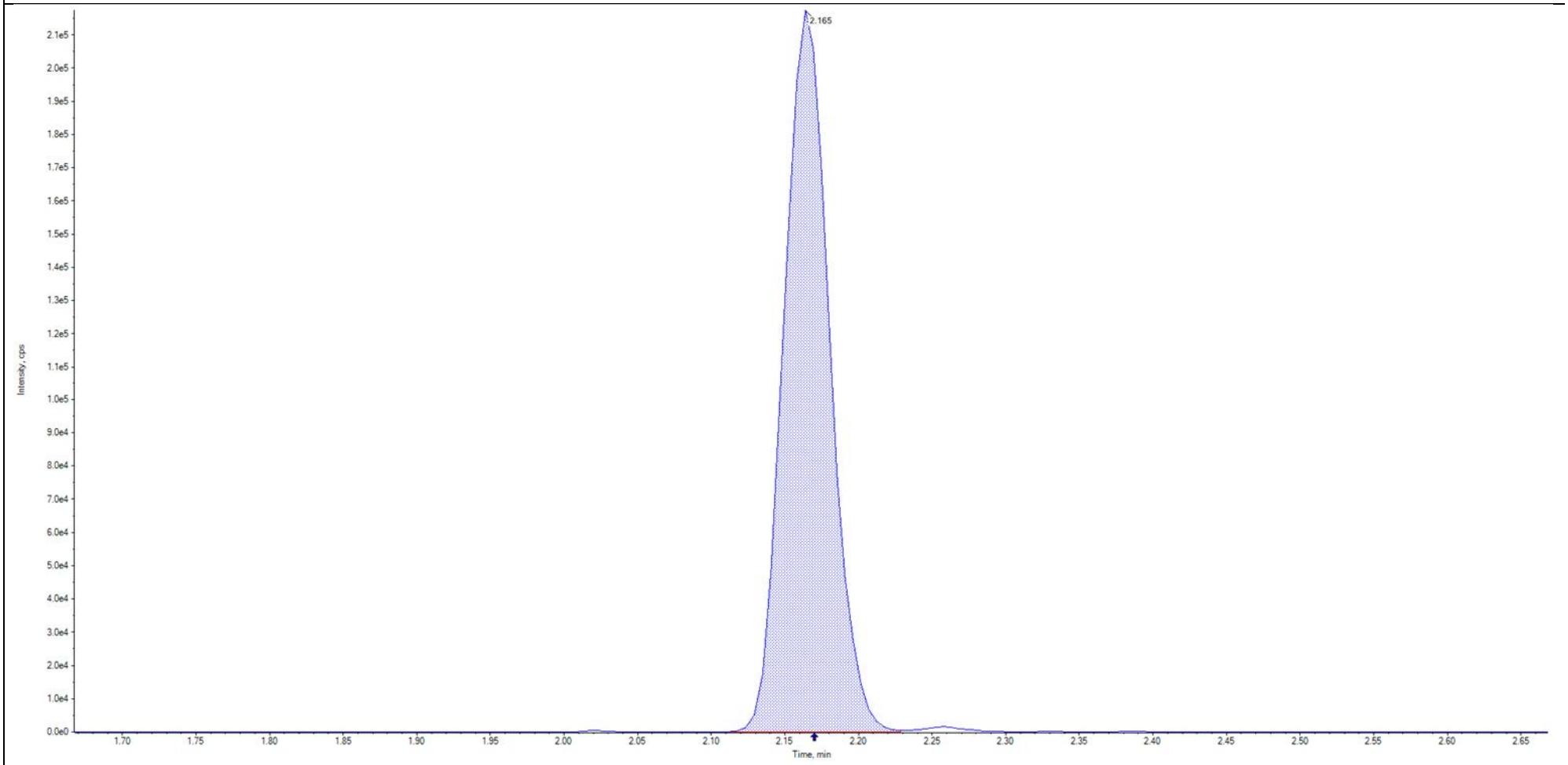
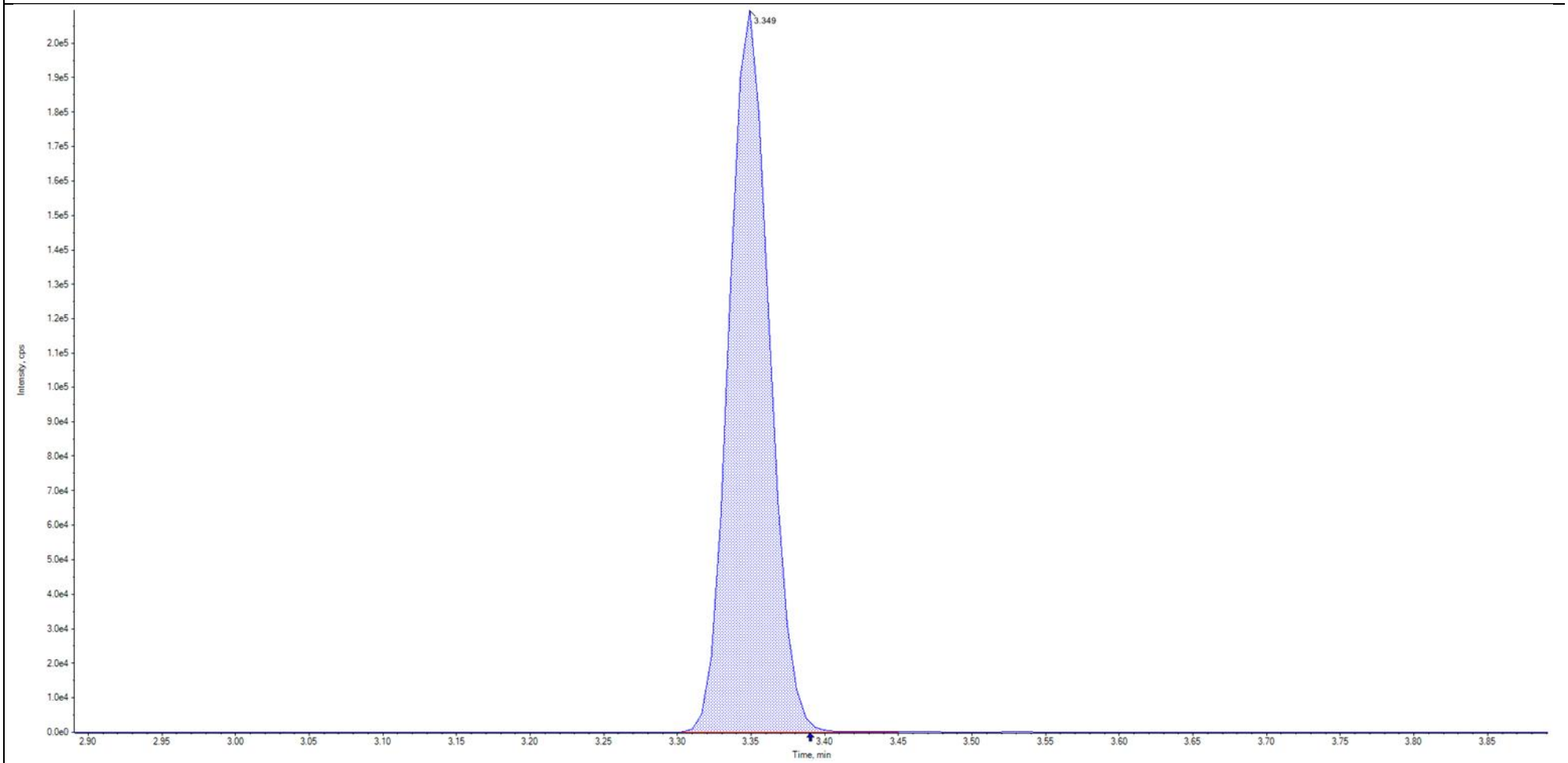
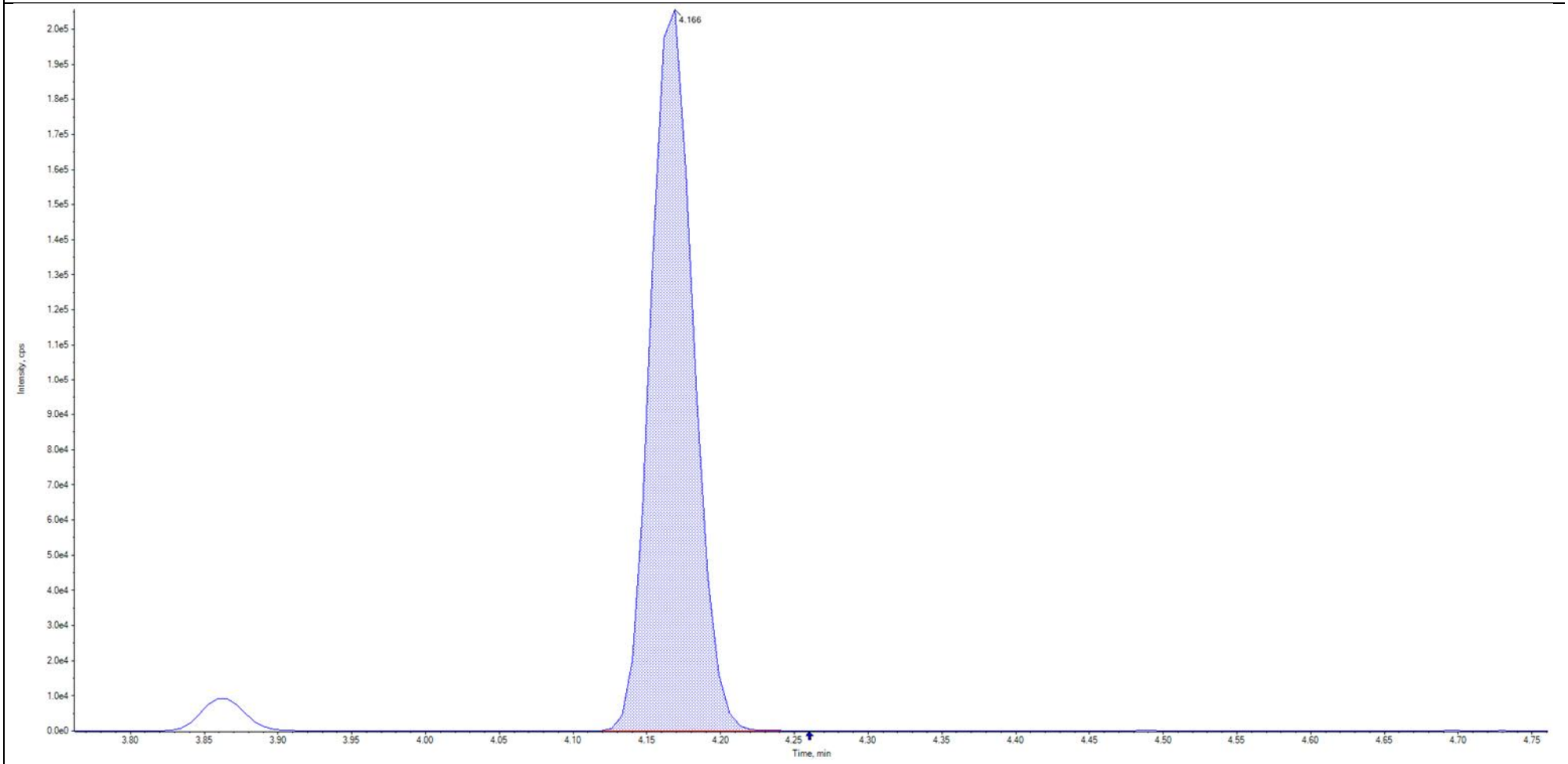
13C3-PFBS
Sample: WG2011094-17,1633FMED



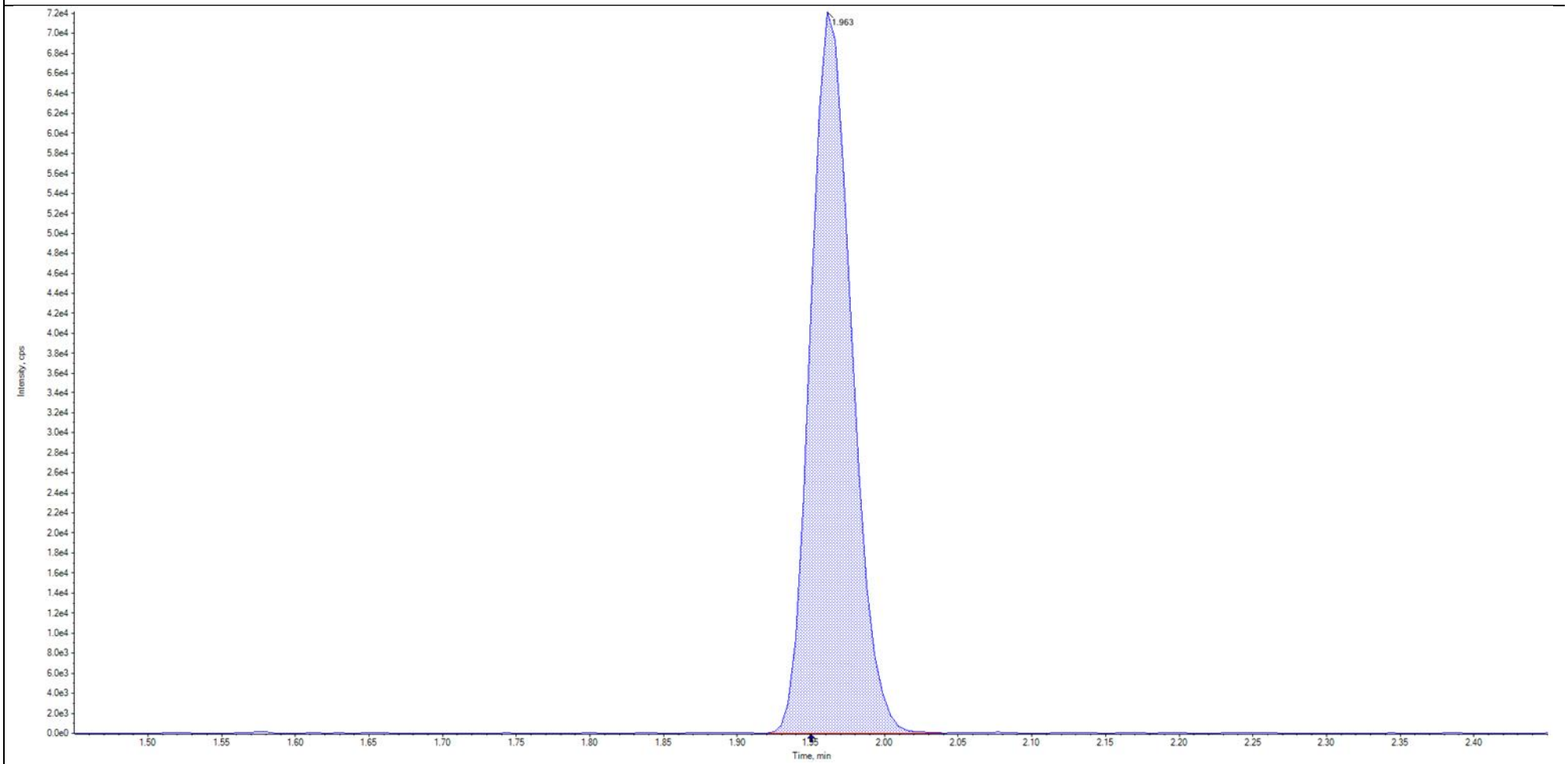
13C3-PFHxS
Sample: WG2011094-17,1633FMED



13C8-PFOS
Sample: WG2011094-17,1633FMED



13C2-4:2FTS
Sample: WG2011094-17,1633FMED



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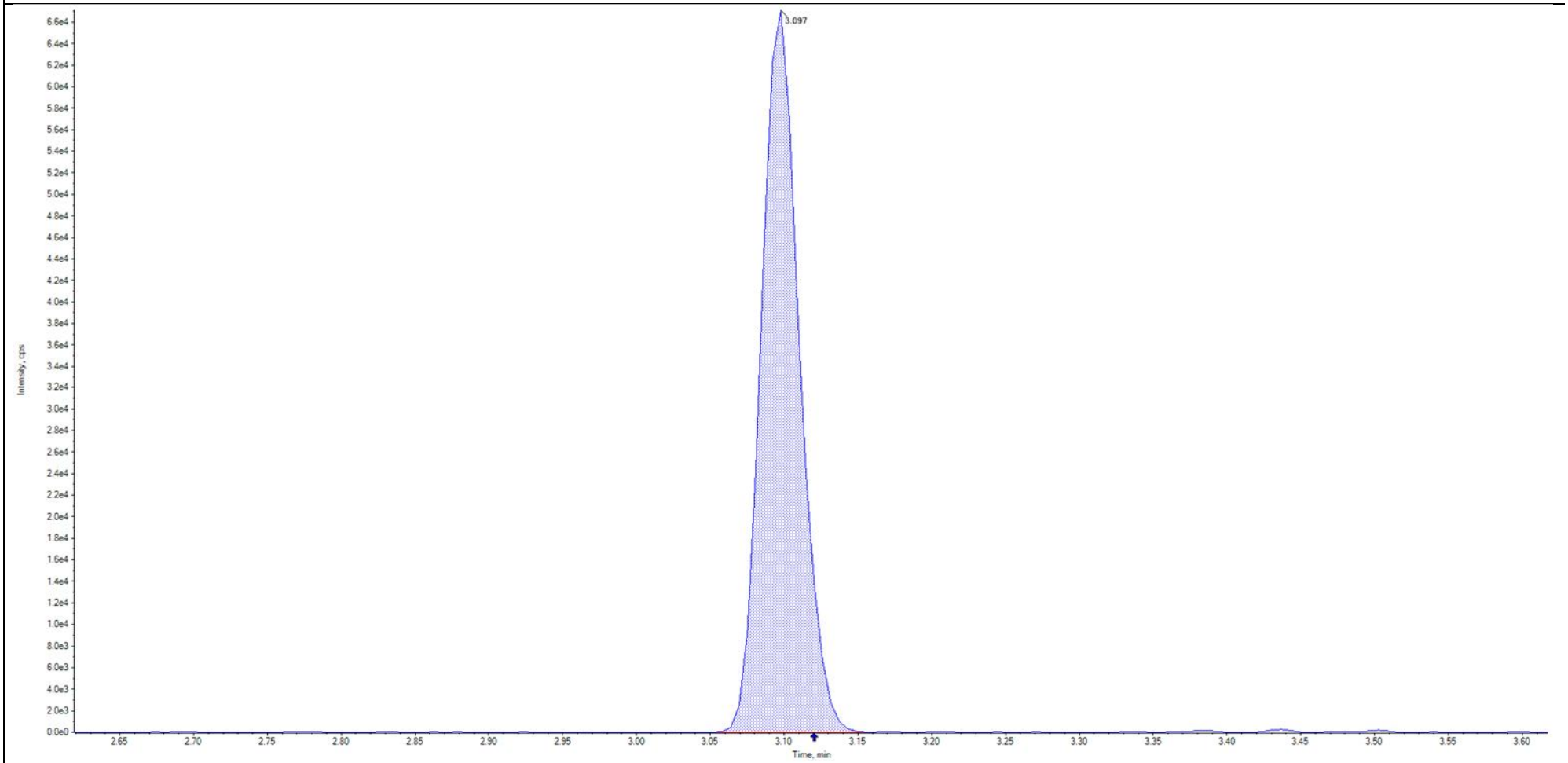

13C2-8:2FTS
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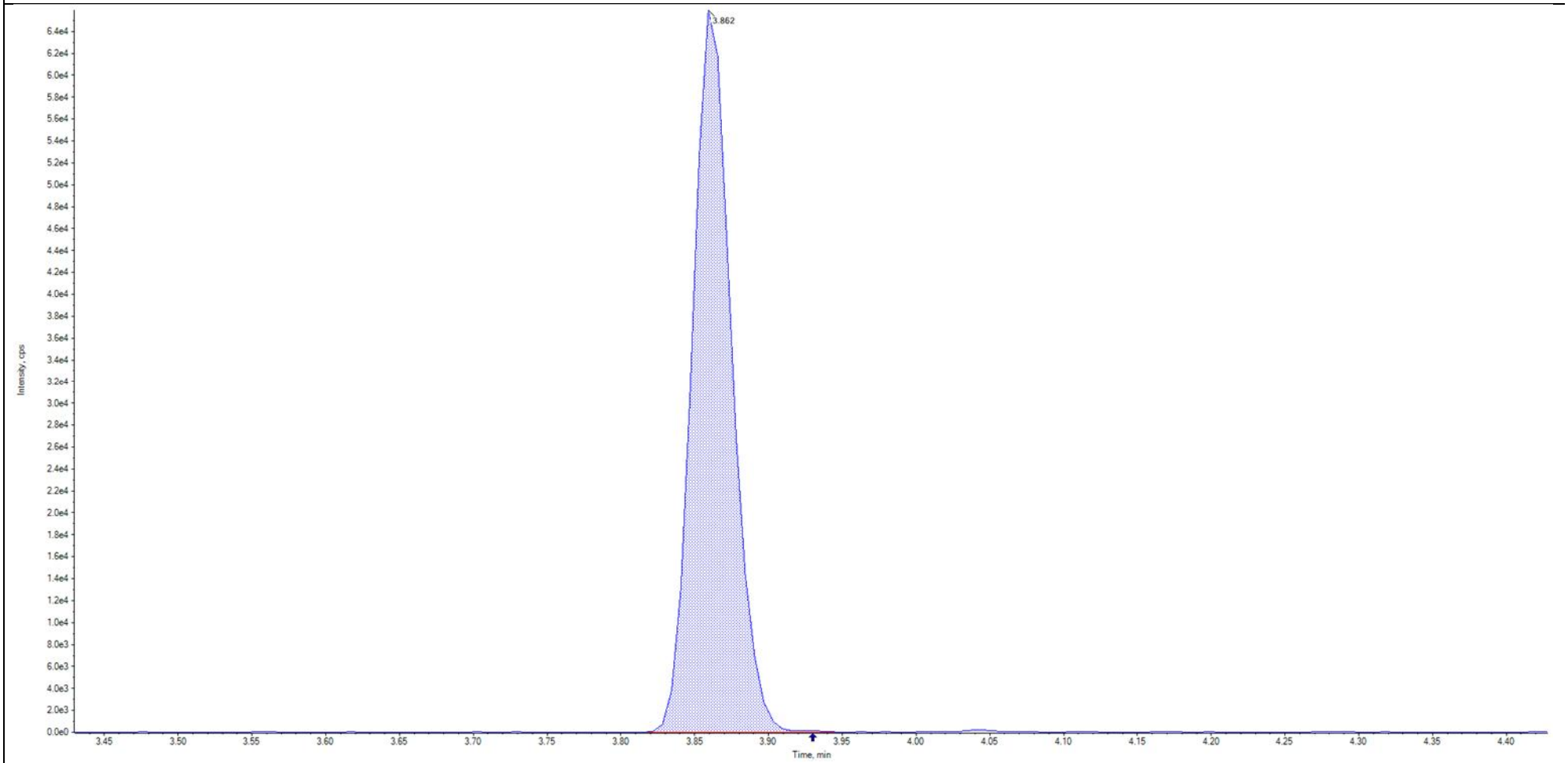
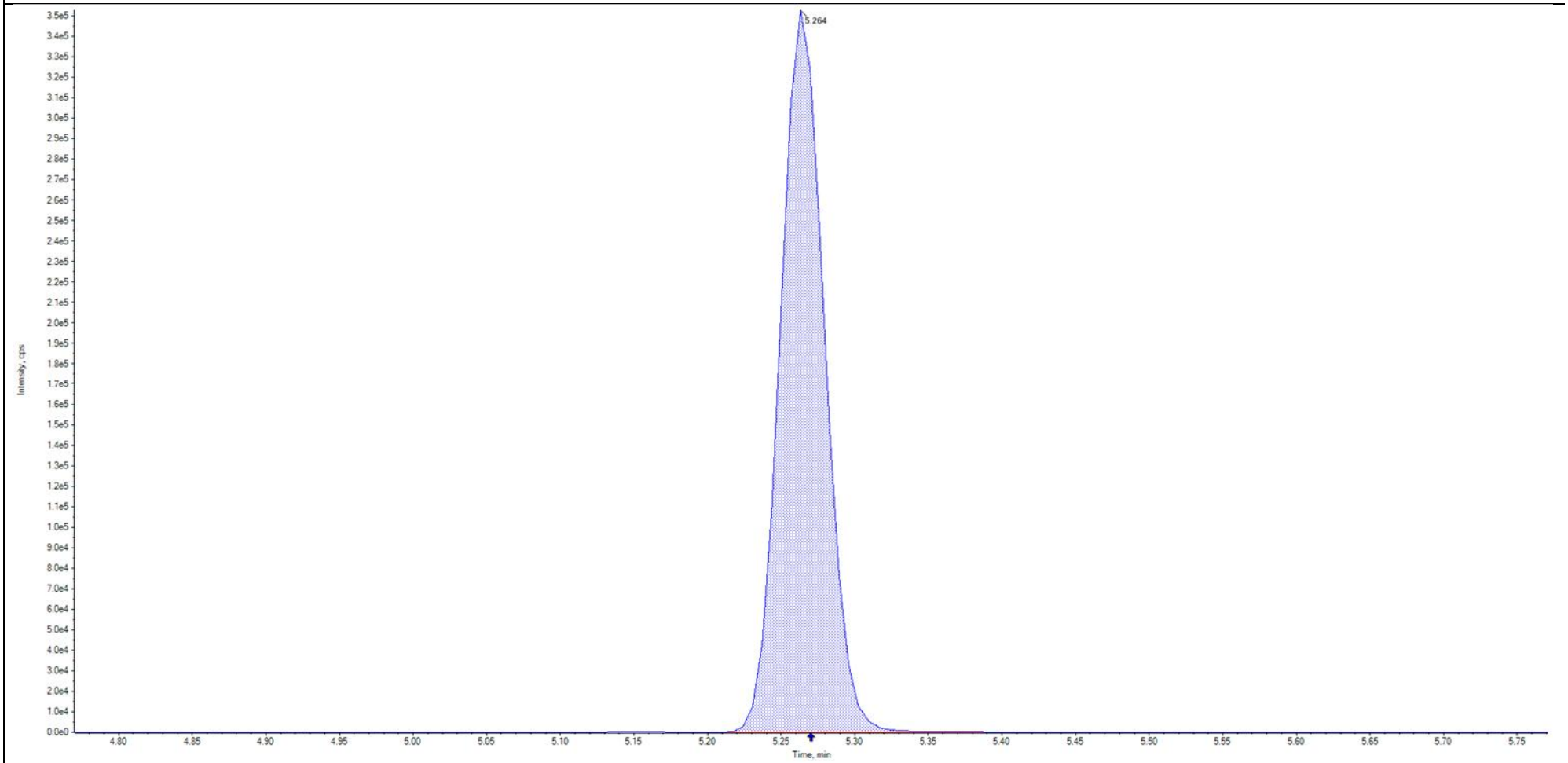


13C8-PFOSA
Sample: WG2011094-17,1633FMED



d3-NMeFOSA
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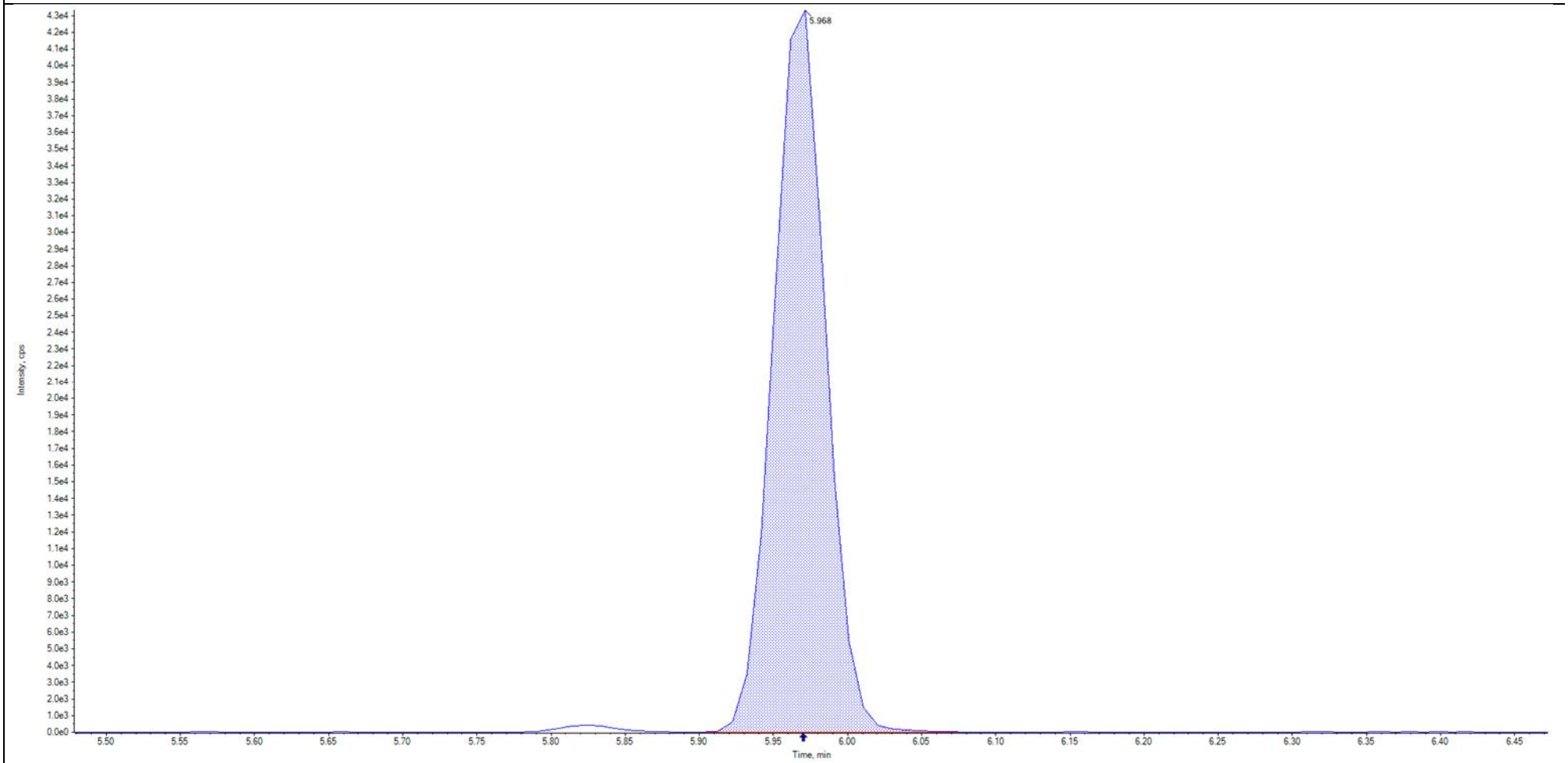

d5-NEtFOSA
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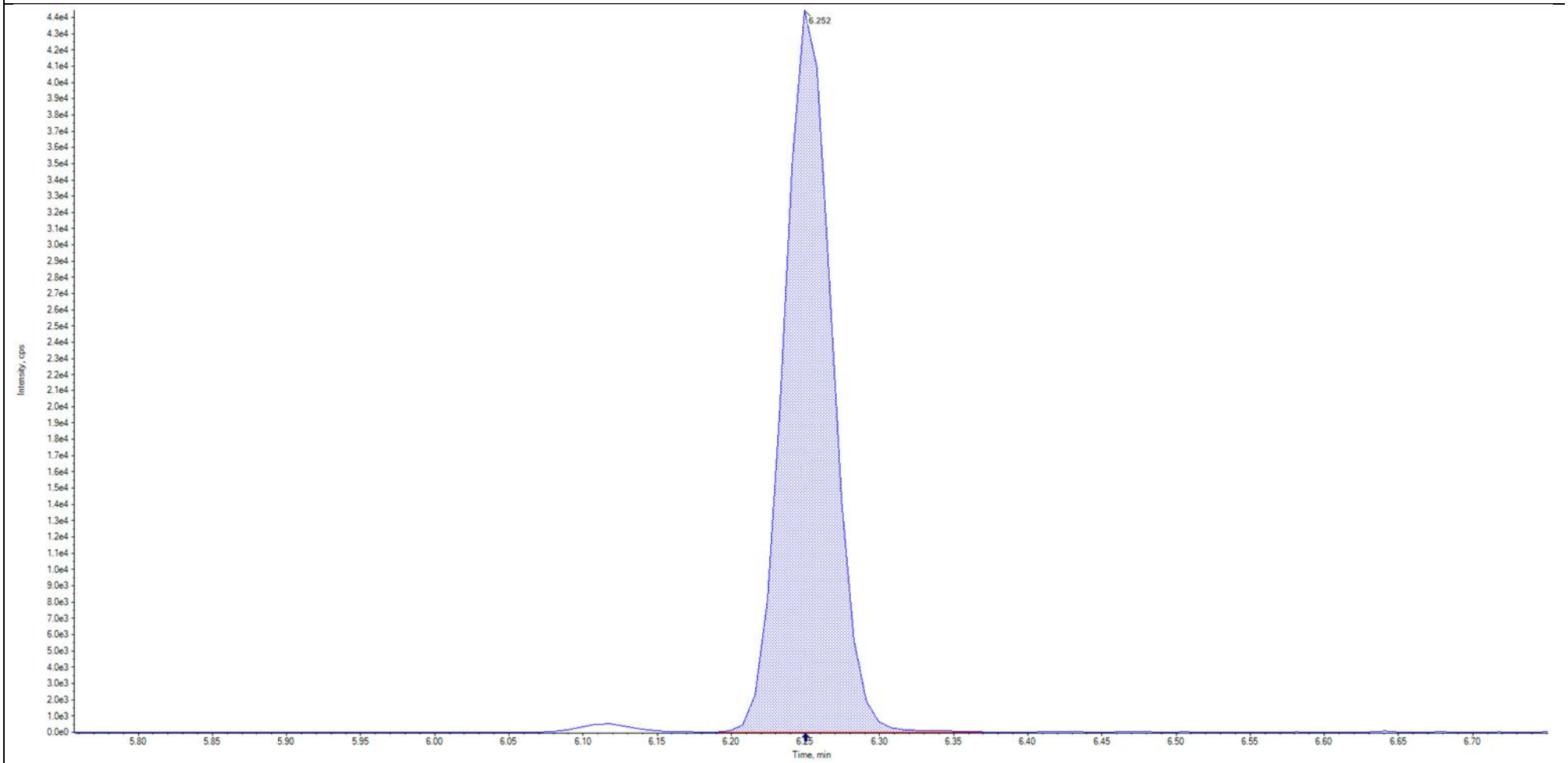
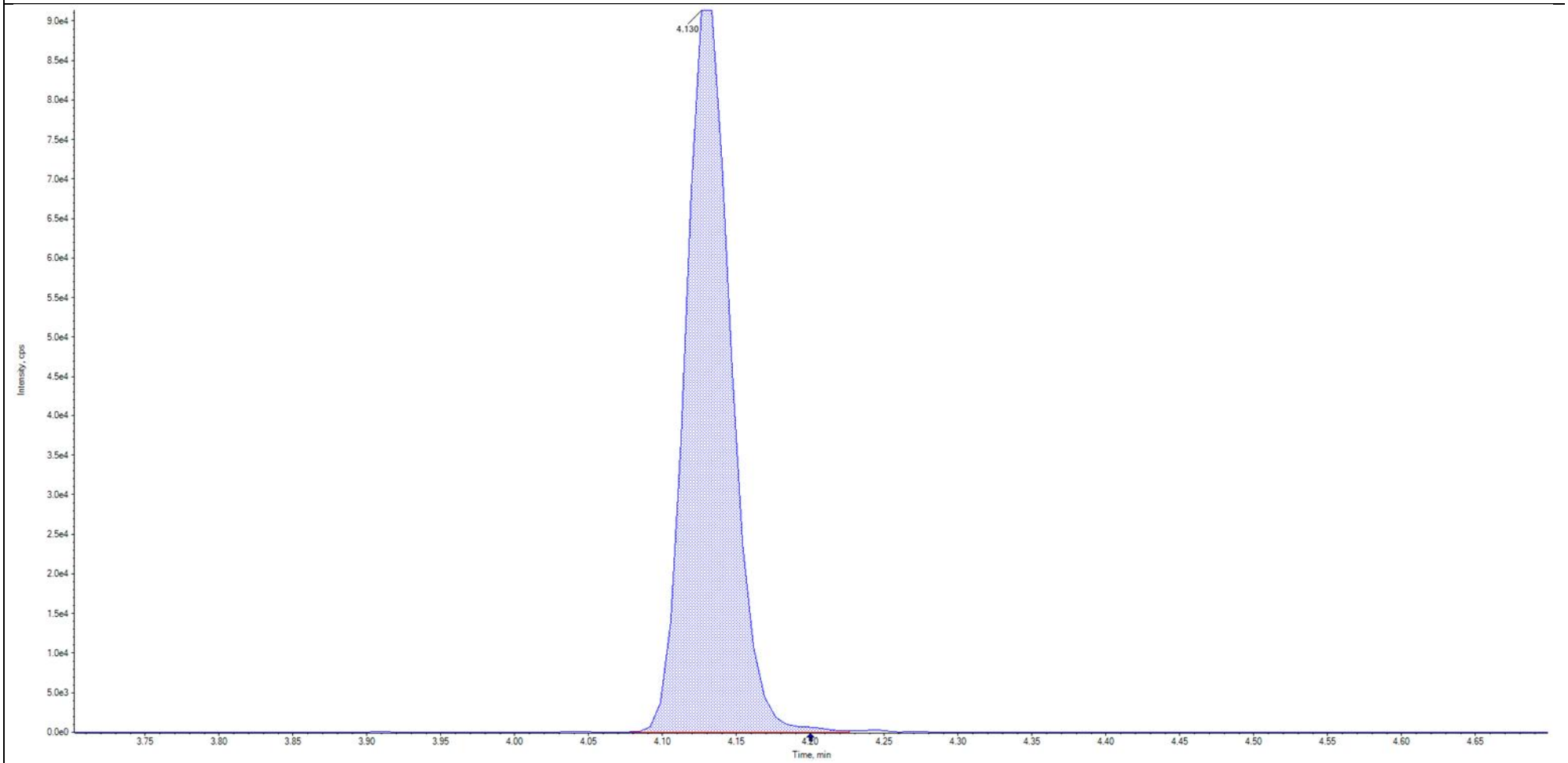
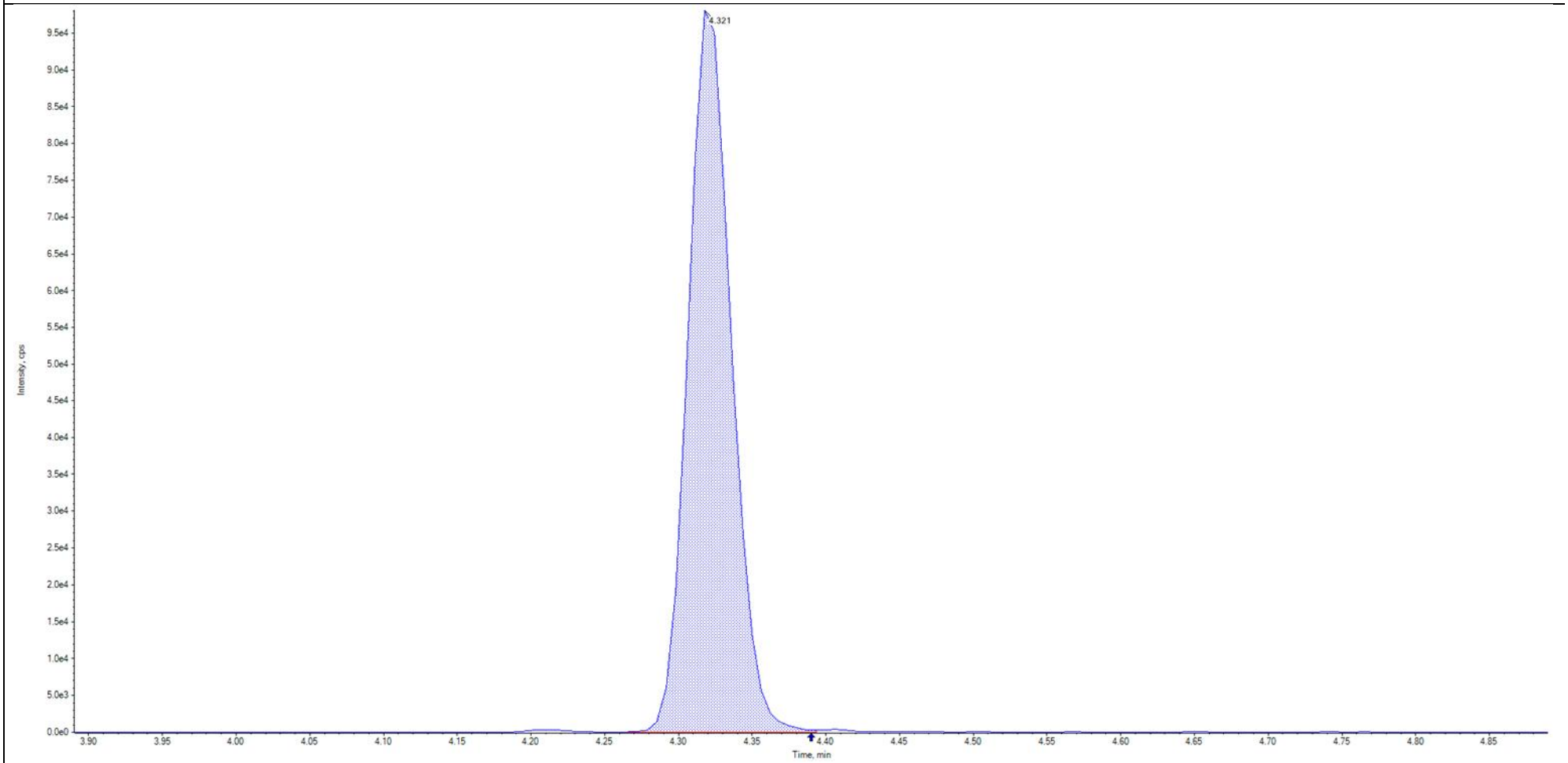


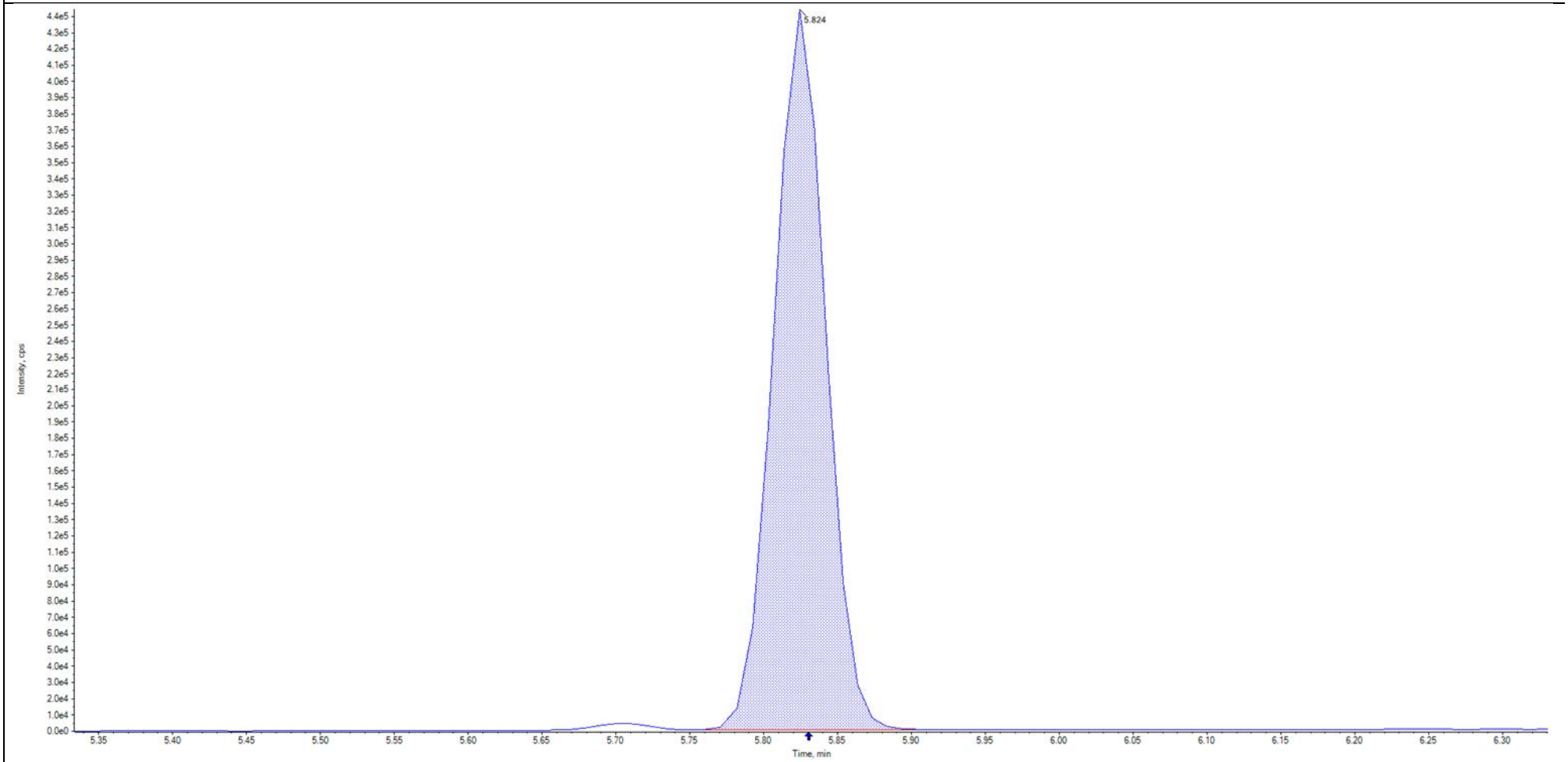
d3-NMeFOSAA
Sample: WG2011094-17,1633FMED



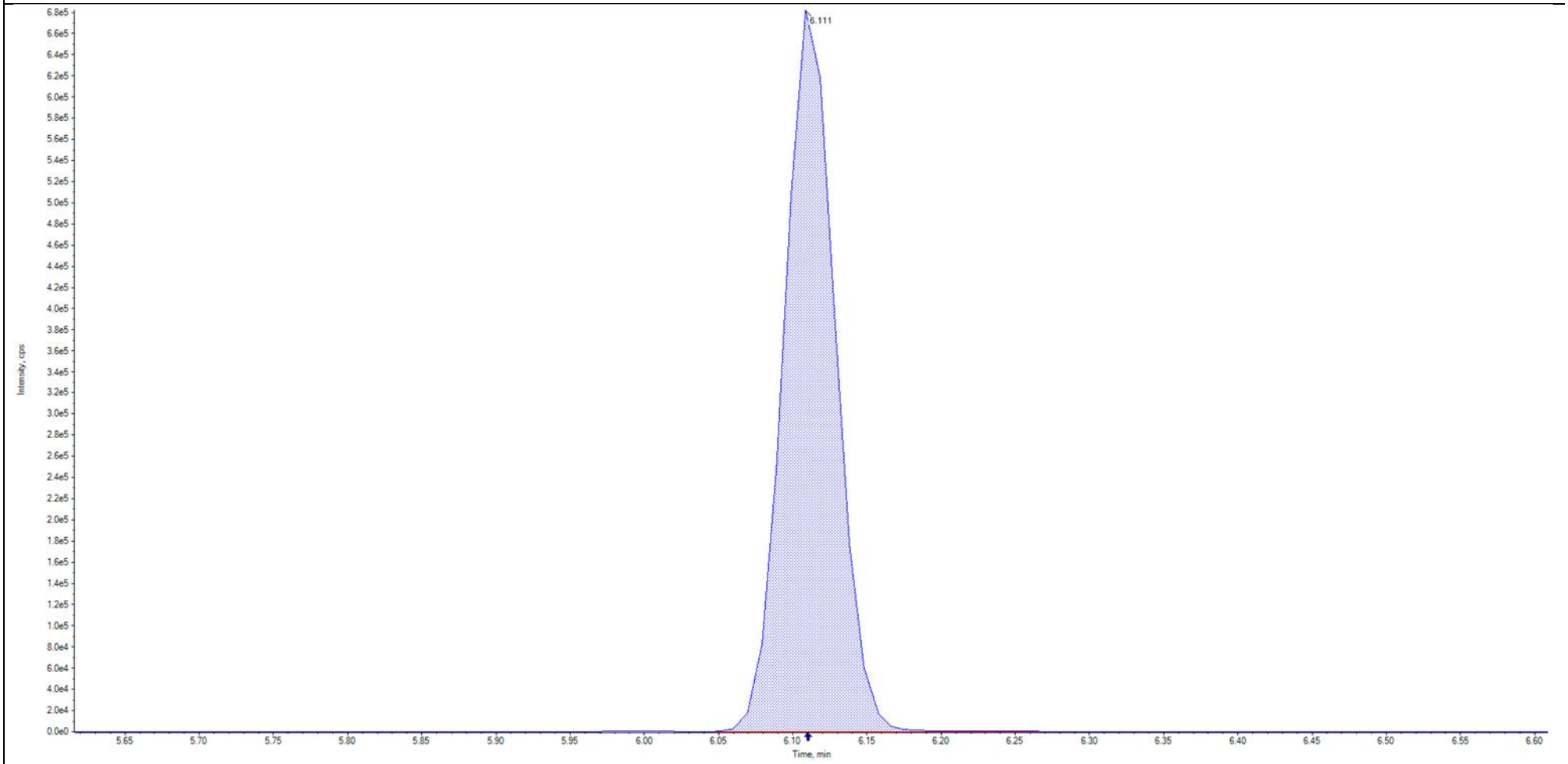
d5-NEtFOSAA
Sample: WG2011094-17,1633FMED



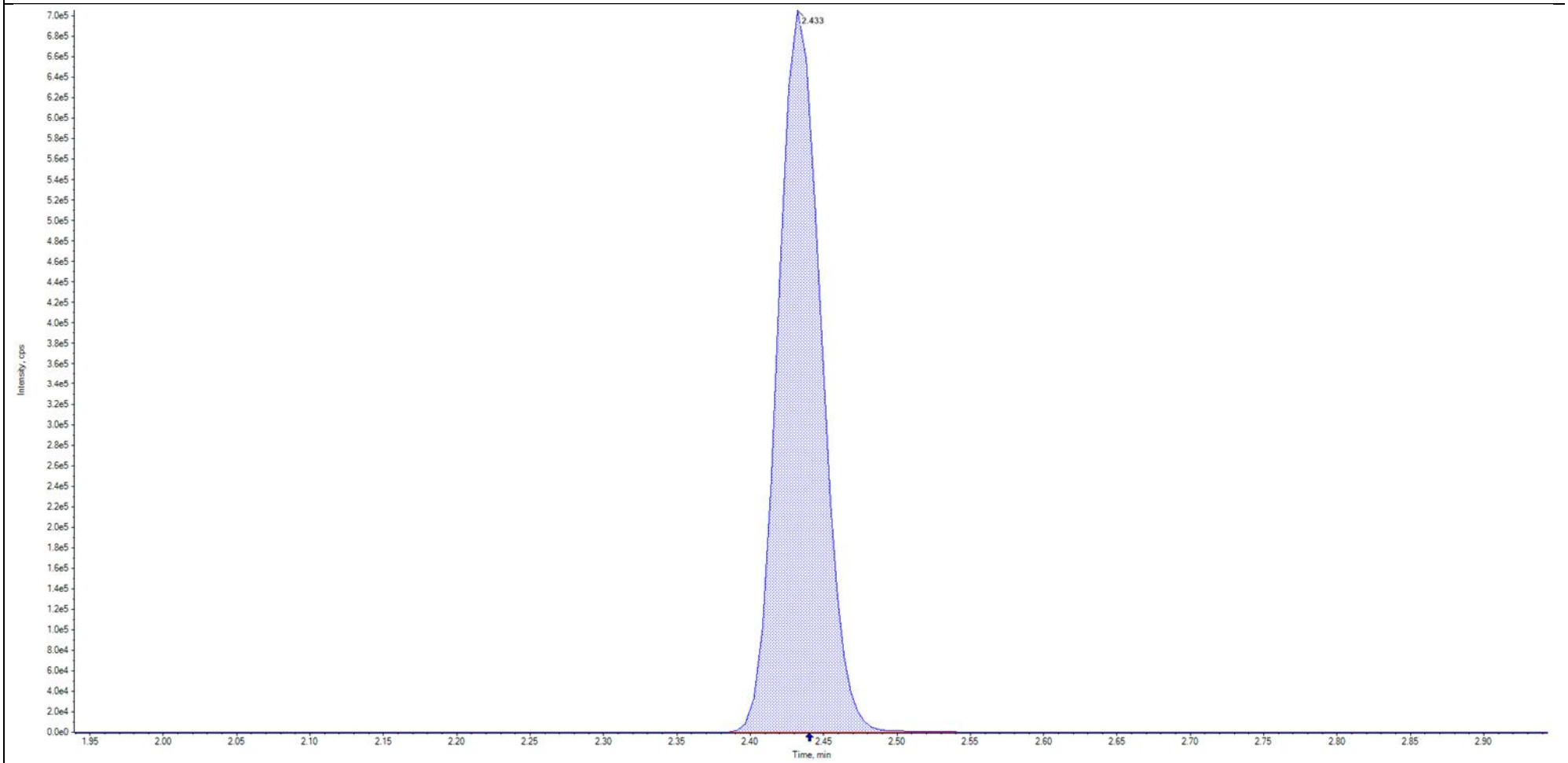
d7-NMeFOSE
Sample: WG2011094-17,1633FMED



d9-NEtFOSE
Sample: WG2011094-17,1633FMED

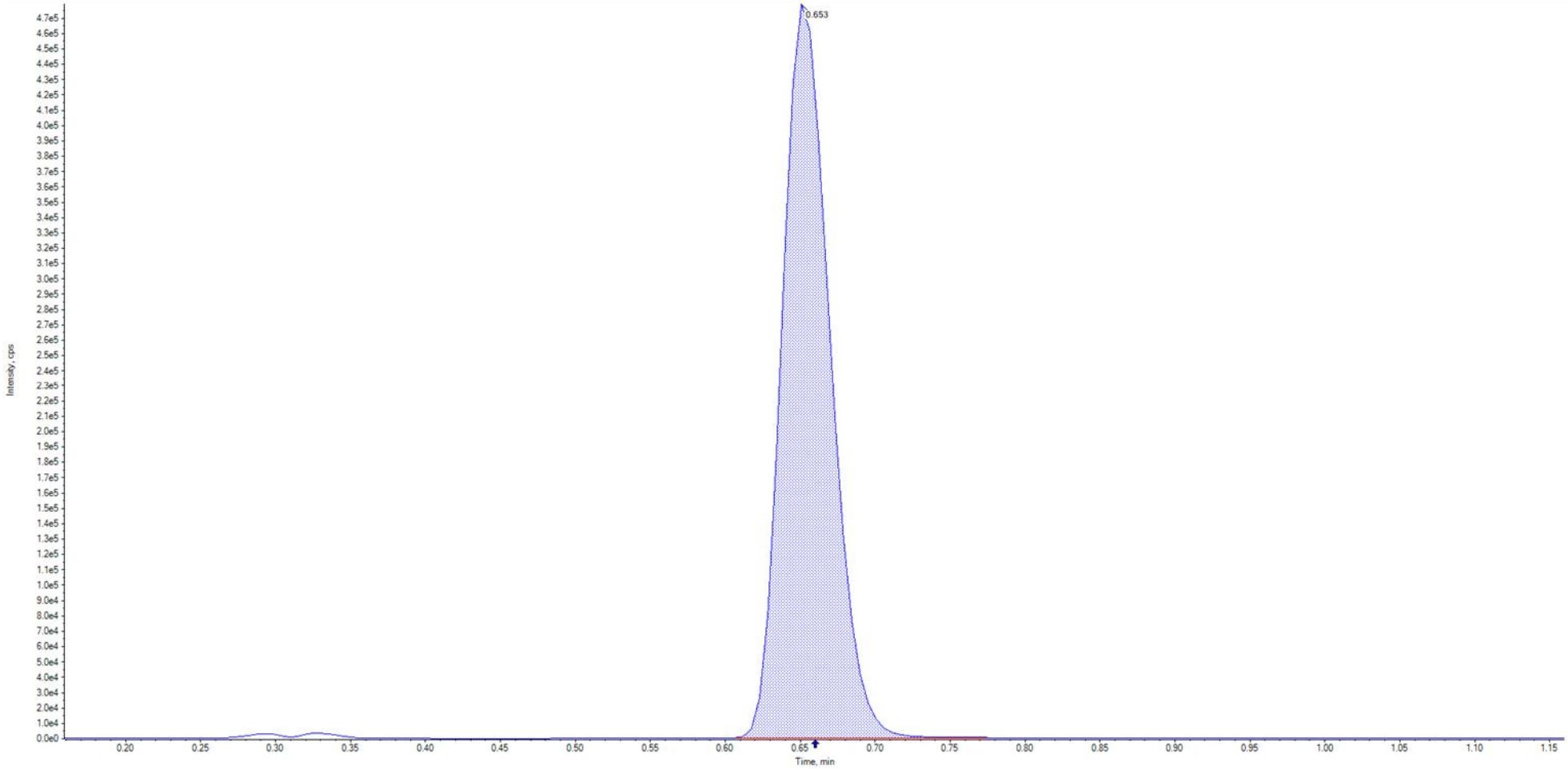


13C3-HFPO-DA
Sample: WG2011094-17,1633FMED

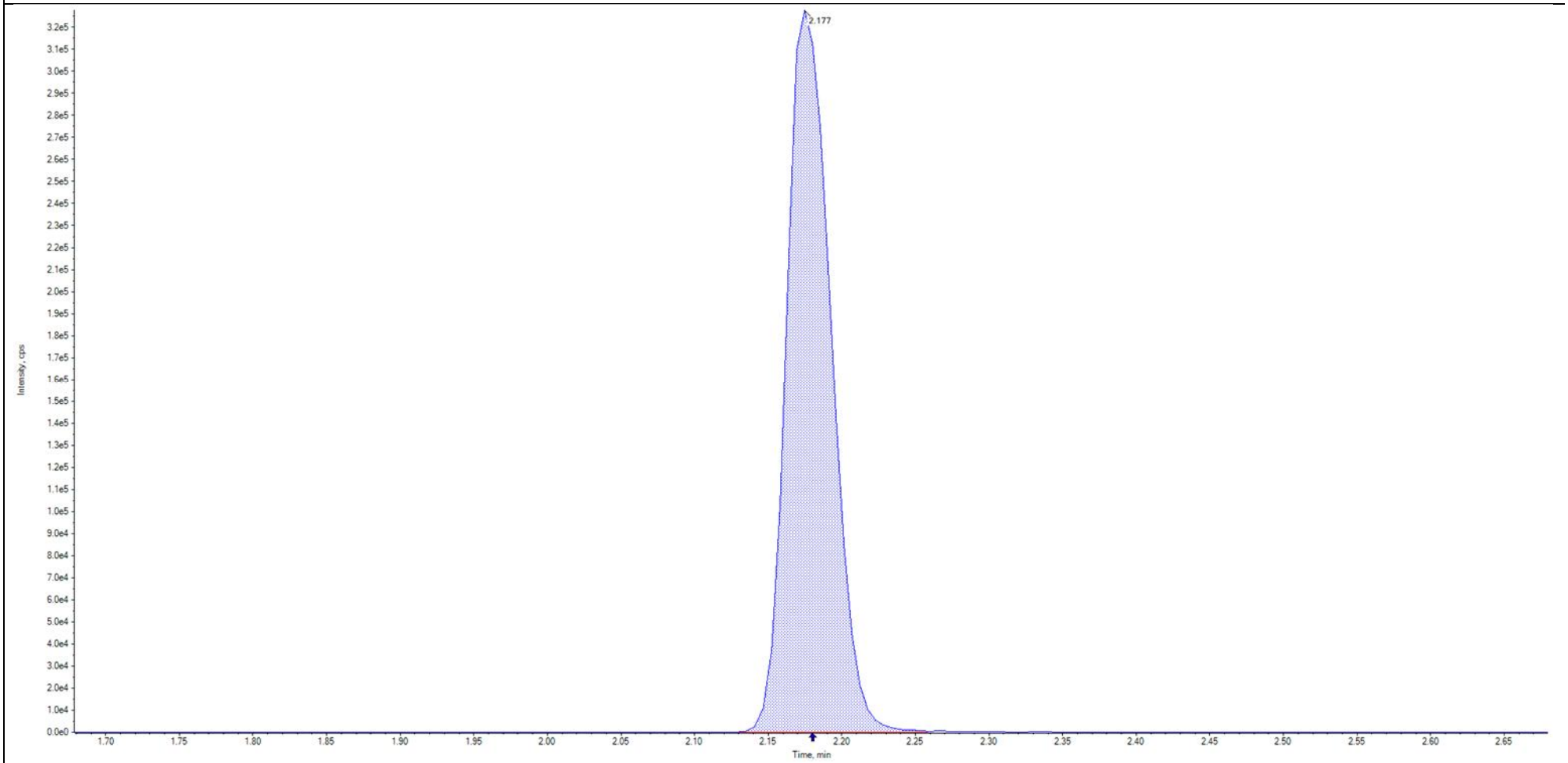


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_97.wiff2_6
Last Altered: 12/20/2024 12:10:49 PM
Generated: 12/19/2024 2:27:31 PM

13C3-PFBA
Sample: WG2011094-17,1633FMED



13C2-PFHxA
Sample: WG2011094-17,1633FMED



13C4-PFOA
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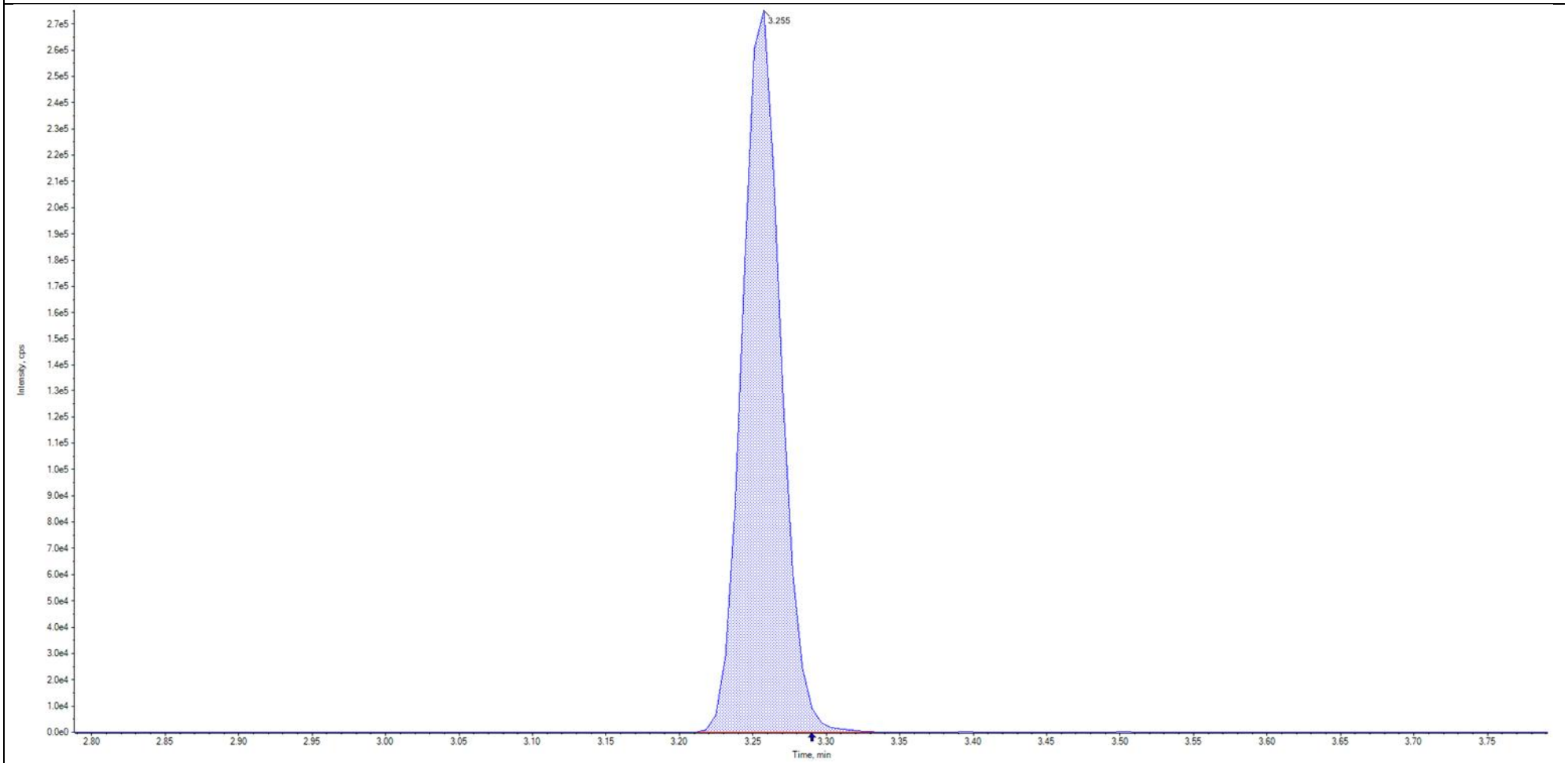

13C5-PFNA
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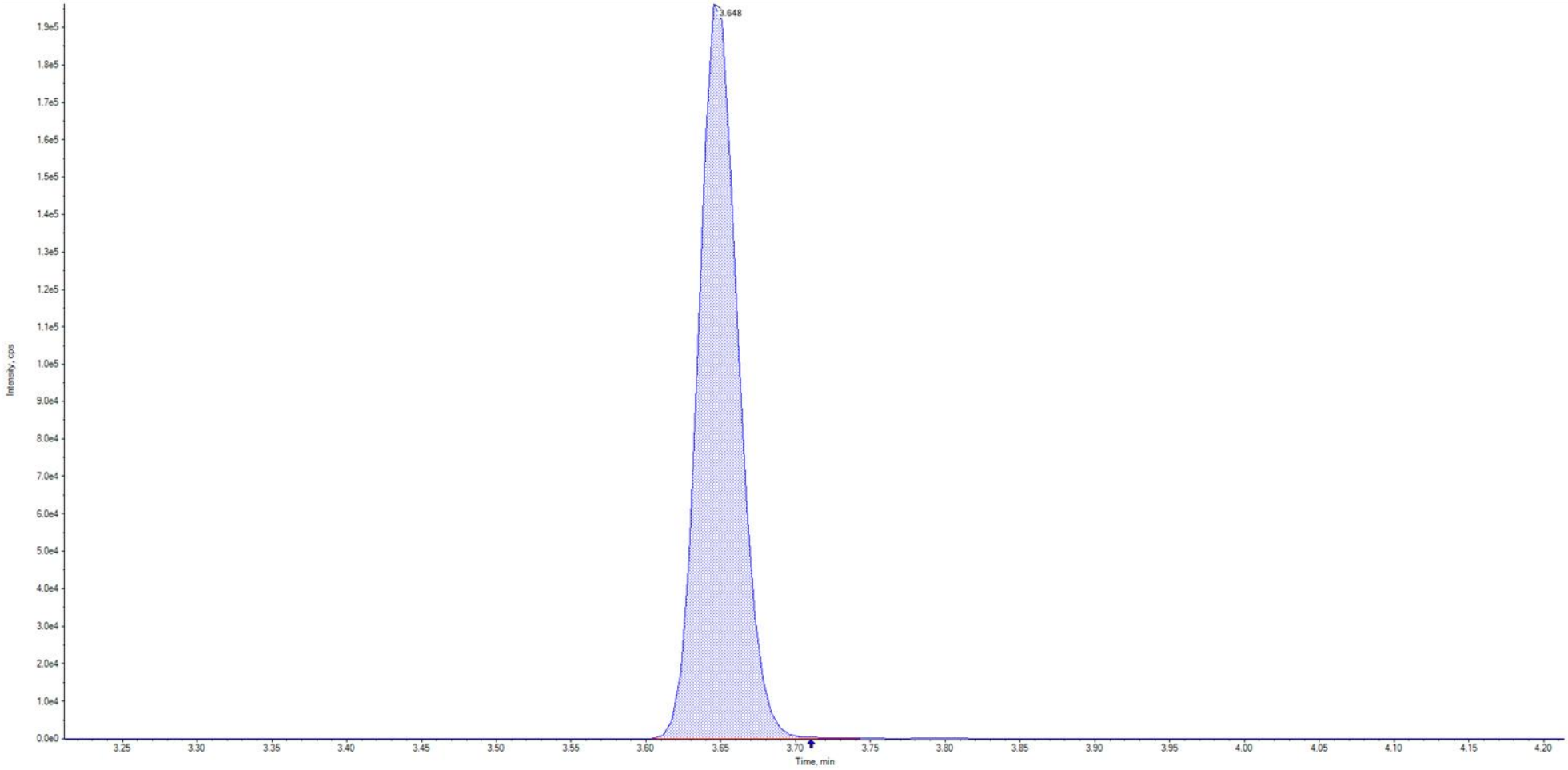

13C2-PFDA
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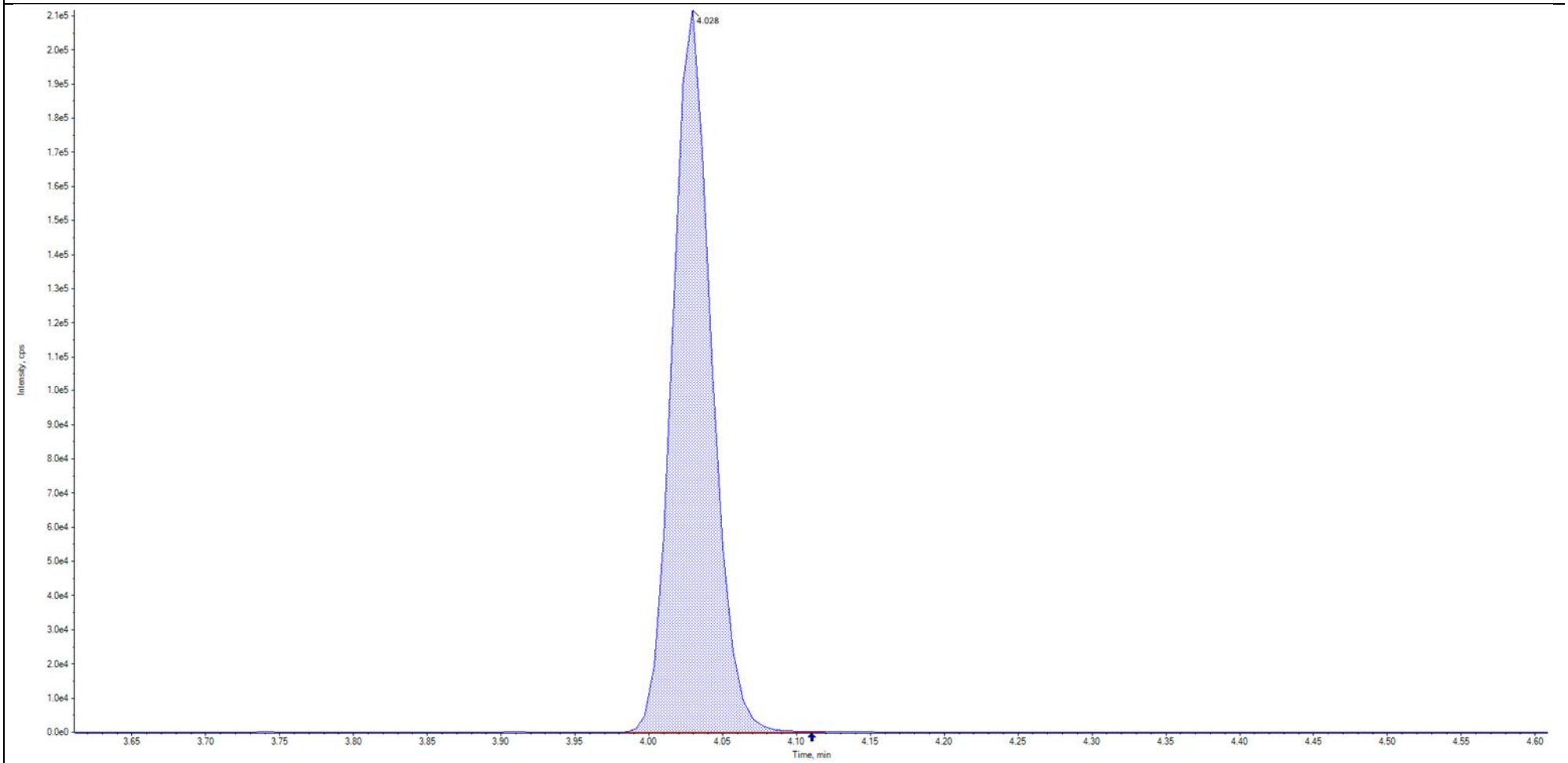

18O2-PFHxS
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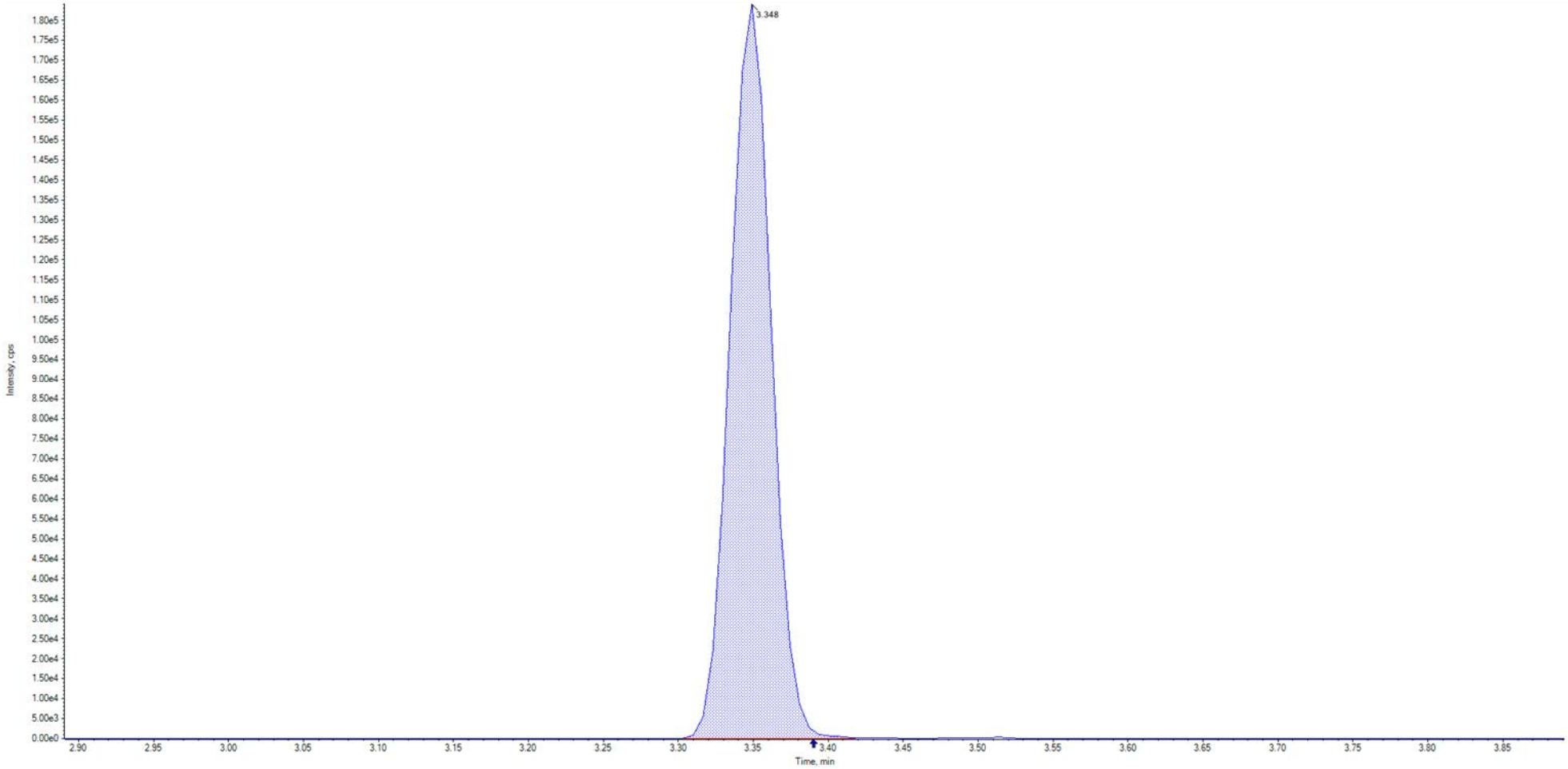
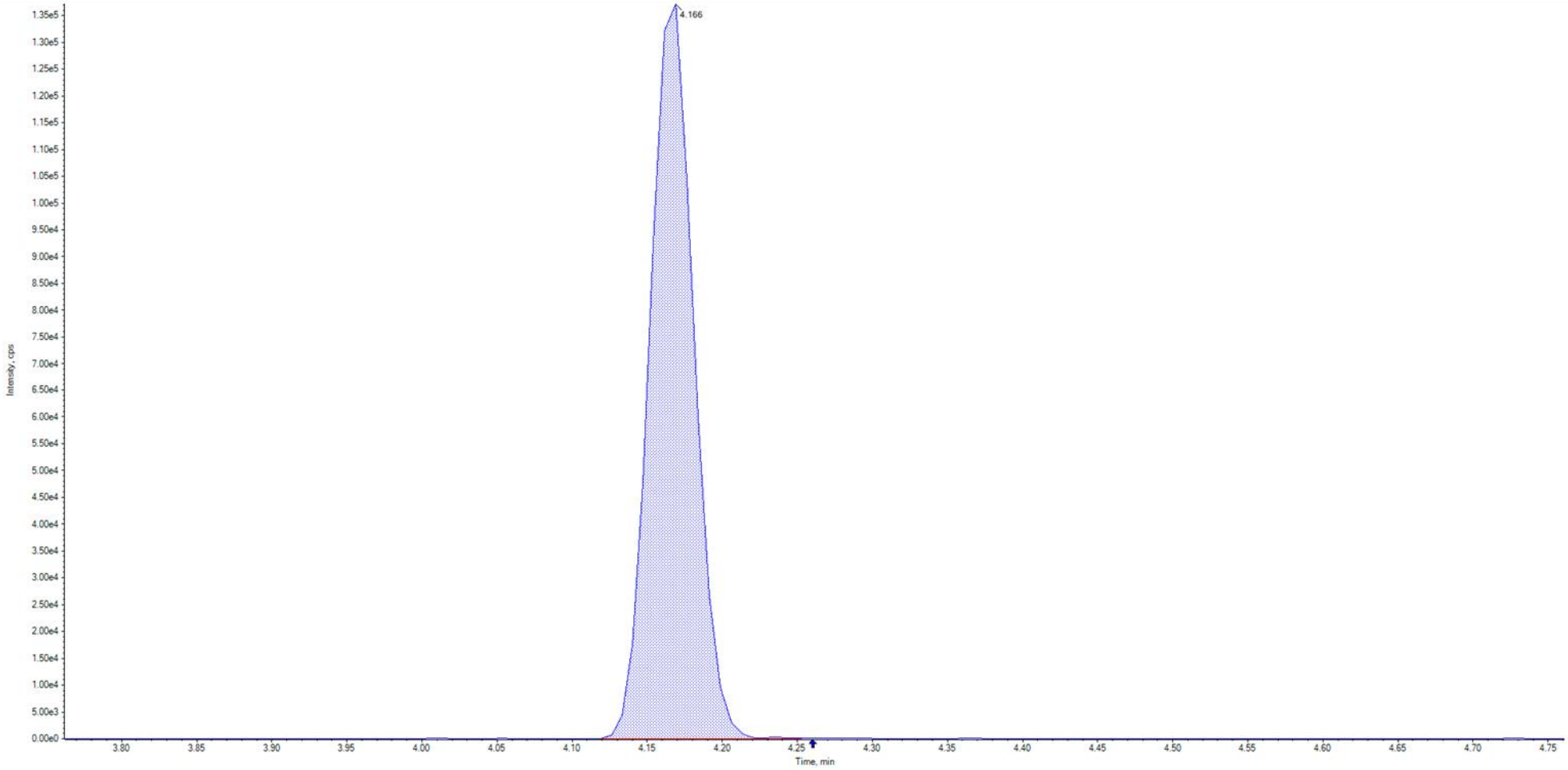


13C4-PFOS
Sample: WG2011094-17,1633FMED



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Semivolatiles Raw QC Data

Method: EPA1633F.qmethod
Calibration: 241115_EPA1633_ICAL

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Date & Time: 2024-12-19T17:41:45
Description: WG2011094,WG2011107,ICAL21712
Instrument: SCIEX Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	N/A	213.0 / 169.0	N/A		N/A	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	N/A	263.0 / 219.0	N/A		N/A	N/A	N/A	N/A	N/A
3	PFPeA_2	2706-90-3	N/A	263.0 / 68.9	N/A		N/A	N/A	N/A	N/A	N/A
4	PFHxA	307-24-4	N/A	313.0 / 269.0	N/A		N/A	N/A	0.089	N/A	N/A
5	PFHxA_2	307-24-4	N/A	313.0 / 119.0	N/A		N/A	N/A	0.089	N/A	N/A
6	PFHpA	375-85-9	N/A	363.1 / 319.0	N/A		N/A	N/A	0.332	N/A	N/A
7	PFHpA_2	375-85-9	N/A	363.1 / 169.0	N/A		N/A	N/A	0.332	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	0.369	N/A	N/A
9	PFOA_2	335-67-1	N/A	413.1 / 169.0	N/A		N/A	N/A	0.369	N/A	N/A
10	PFNA	375-95-1	N/A	462.8 / 418.9	N/A		N/A	N/A	0.303	N/A	N/A
11	PFNA_2	375-95-1	N/A	462.8 / 219.0	N/A		N/A	N/A	0.303	N/A	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.162	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.162	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.199	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.199	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.180	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.180	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.160	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.160	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.149	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.149	N/A	N/A
22	PFBS	375-73-5	N/A	299.1 / 80.1	N/A		N/A	N/A	0.388	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	0.388	N/A	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.297	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.297	N/A	N/A
26	PFHxS	355-46-4	N/A	399.1 / 80.1	N/A		N/A	N/A	0.296	N/A	N/A
27	PFHxS_2	355-46-4	N/A	399.1 / 99.1	N/A		N/A	N/A	0.296	N/A	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.258	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.258	N/A	N/A
30	PFOS	1763-23-1	N/A	499.1 / 80.1	N/A		N/A	N/A	0.233	N/A	N/A
31	PFOS_2	1763-23-1	N/A	499.1 / 99.1	N/A		N/A	N/A	0.233	N/A	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.296	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.296	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.272	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.272	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.263	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.263	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	0.559	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.559	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.593	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.593	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.759	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.759	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.023	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.023	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.457	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.457	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.309	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.309	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.804	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.804	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.419	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	0.419	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	0.685	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.685	N/A	N/A
58	ADONA	919005-14-4	N/A	376.9 / 251.0	N/A		N/A	N/A	0.884	N/A	N/A
59	ADONA_2	919005-14-4	N/A	376.9 / 84.8	N/A		N/A	N/A	0.884	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.325	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.325	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.338	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.338	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.433	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.433	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	0.935	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	0.935	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	1.712	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.712	N/A	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.084	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.084	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	0.781	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.781	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.150	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.150	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.68	217.0 / 172.0	1909322		7.755	NA	NA	NA	77.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.39	268.0 / 223.0	884307		4.218	NA	NA	NA	84.4
	13C5-PFHxA	EIS	2.21	318.0 / 273.0	338366		1.878	NA	NA	NA	75.1
	13C4-PFHpA	EIS	2.85	367.0 / 322.0	230053		1.859	NA	NA	NA	74.4
	13C8-PFOA	EIS	3.28	420.8 / 376.0	944501		2.227	NA	NA	NA	89.1
	13C9-PFNA	EIS	3.67	472.0 / 427.0	295268		0.960	NA	NA	NA	76.8
	13C6-PFDA	EIS	4.06	519.0 / 474.0	253974		0.711	NA	NA	NA	56.9
	13C7-PFUnA	EIS	4.43	570.0 / 525.0	210692		0.683	NA	NA	NA	54.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.81	615.1 / 570.0	143090		0.557	NA	NA	NA	44.6
	13C2-PFTeDA	EIS	5.53	715.1 / 670.1	109423		0.476	NA	NA	NA	38.1
	13C3-PFBS	EIS	2.19	302.1 / 80.1	353996		1.748	NA	NA	NA	75.0
	13C3-PFHxS	EIS	3.37	402.1 / 80.1	304214		1.733	NA	NA	NA	73.1
	13C8-PFOS	EIS	4.19	507.1 / 80.1	284496		1.541	NA	NA	NA	64.2
	13C2-4:2FTS	EIS	1.99	329.1 / 81.1	114018		3.393	NA	NA	NA	72.4
	13C2-6:2FTS	EIS	3.12	429.2 / 81.1	93478		3.011	NA	NA	NA	63.2
	13C2-8:2FTS	EIS	3.89	529.2 / 81.1	72863		2.612	NA	NA	NA	54.4

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.29	506.1 / 78.1	497126		1.689	NA	NA	NA	67.6
d3-NMeFOSA	EIS	6.00	515.2 / 219.0	43903		1.014	NA	NA	NA	40.6
d5-NEtFOSA	EIS	6.28	531.2 / 219.0	44652		1.107	NA	NA	NA	44.3
d3-NMeFOSAA	EIS	4.15	573.2 / 419.1	214978		4.720	NA	NA	NA	94.4
d5-NEtFOSAA	EIS	4.35	589.3 / 419.1	89622		2.046	NA	NA	NA	40.9
d7-NMeFOSE	EIS	5.85	623.2 / 58.9	633493		12.383	NA	NA	NA	49.5
d9-NEtFOSE	EIS	6.14	639.2 / 58.9	904887		12.206	NA	NA	NA	48.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.46	287.0 / 169.0	1301011		9.909	NA	NA	NA	99.1
	13C3-PFBA	NIS	0.67	216.0 / 172.0	1095252		5.536	NA	NA	NA	110.7
	13C2-PFHxA	NIS	2.20	315.0 / 270.0	630015		2.397	NA	NA	NA	95.9
	13C4-PFOA	NIS	3.28	417.0 / 372.0	417573		2.410	NA	NA	NA	96.4
	13C5-PFNA	NIS	3.67	468.0 / 423.0	347010		1.115	NA	NA	NA	89.2
	13C2-PFDA	NIS	4.05	515.1 / 470.1	415432		1.311	NA	NA	NA	104.9
	18O2-PFHxS	NIS	3.37	403.1 / 84.1	355495		2.515	NA	NA	NA	106.1
	13C4-PFOS	NIS	4.19	503.1 / 80.1	320572		2.590	NA	NA	NA	107.9

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

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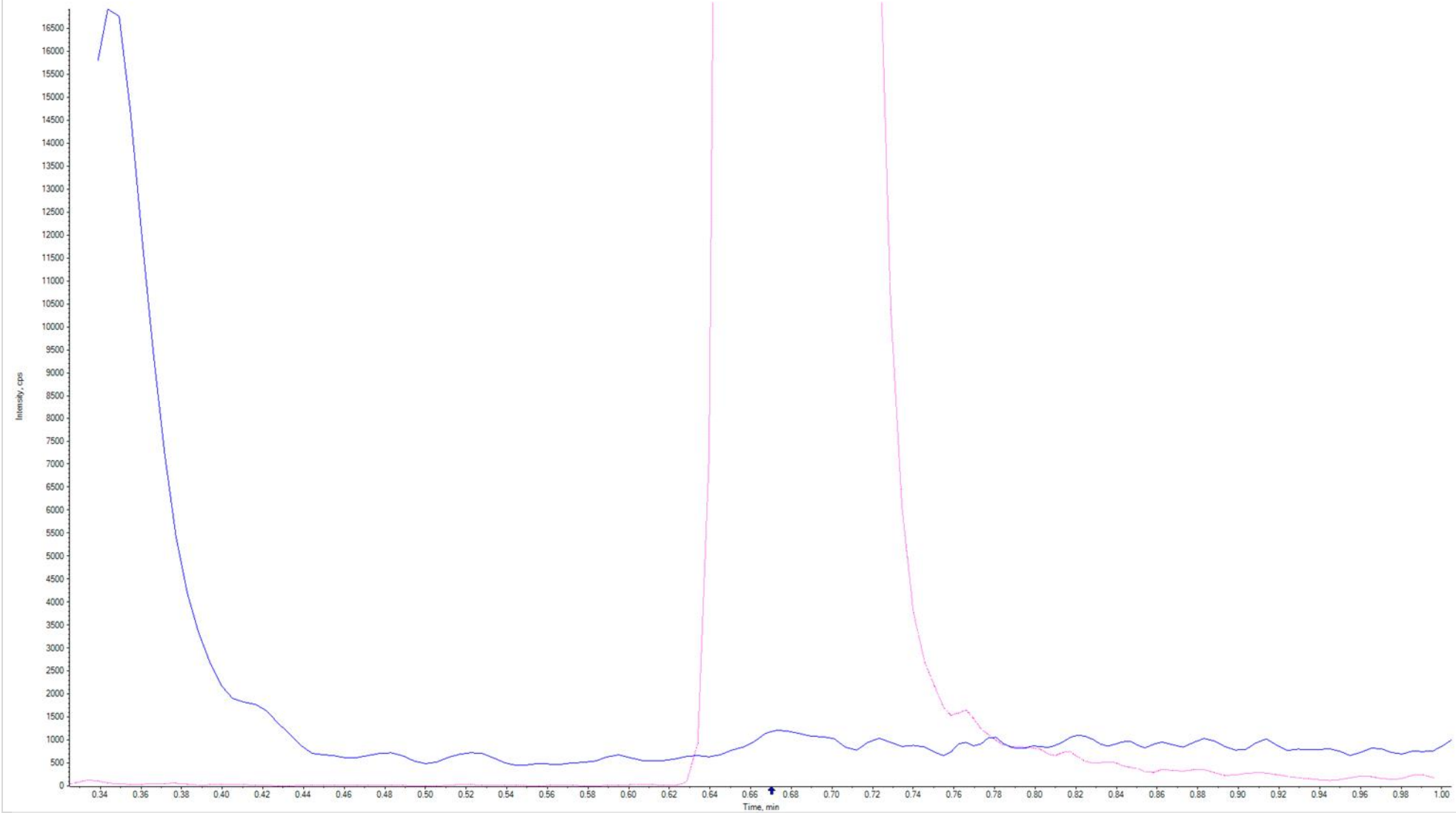
PFBA
Sample: WG2011107-1 S/N:N/A Points Across peak:N/A



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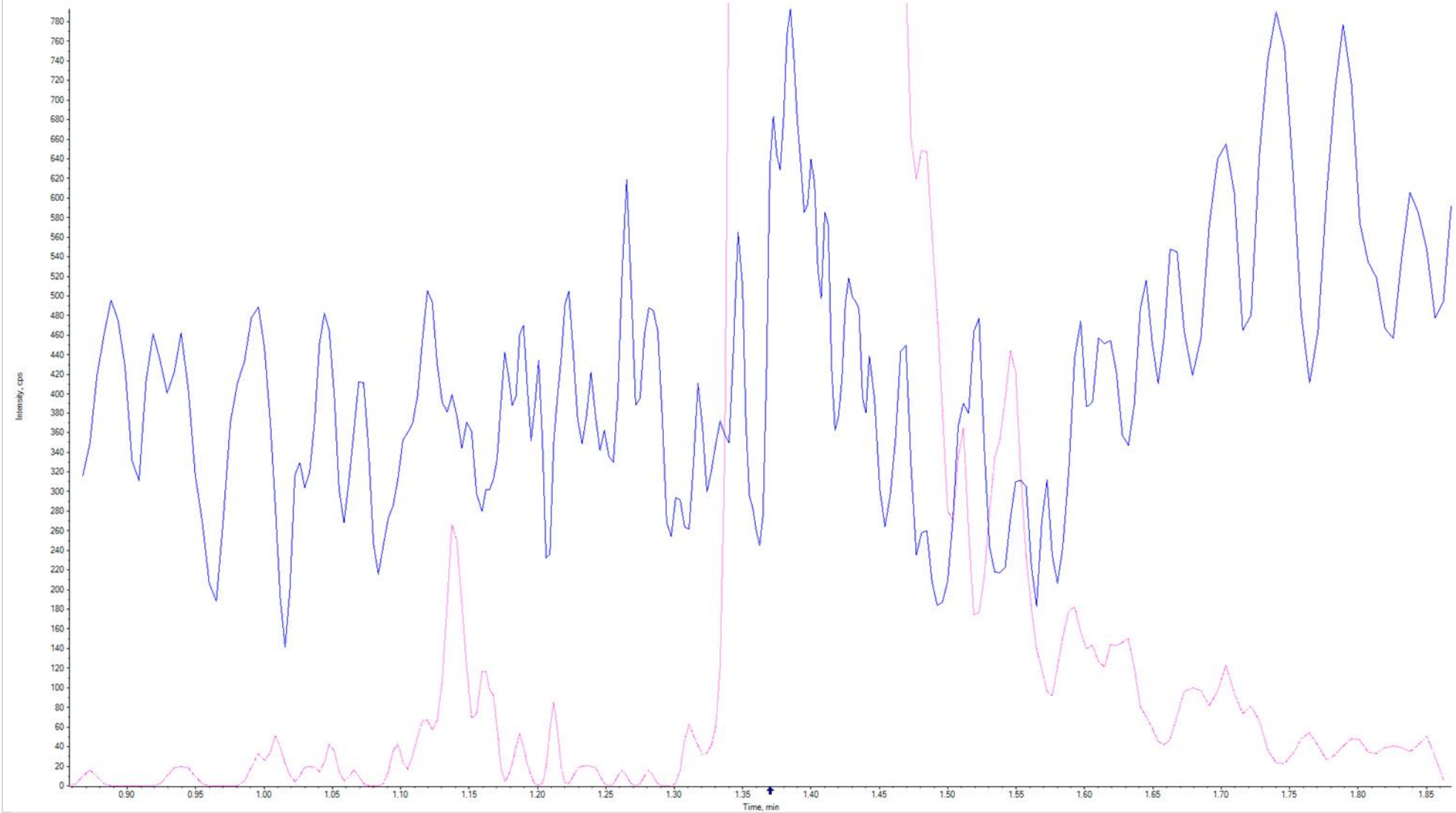
PFPeA
Sample: WG2011107-1 S/N:N/A Points Across peak:N/A



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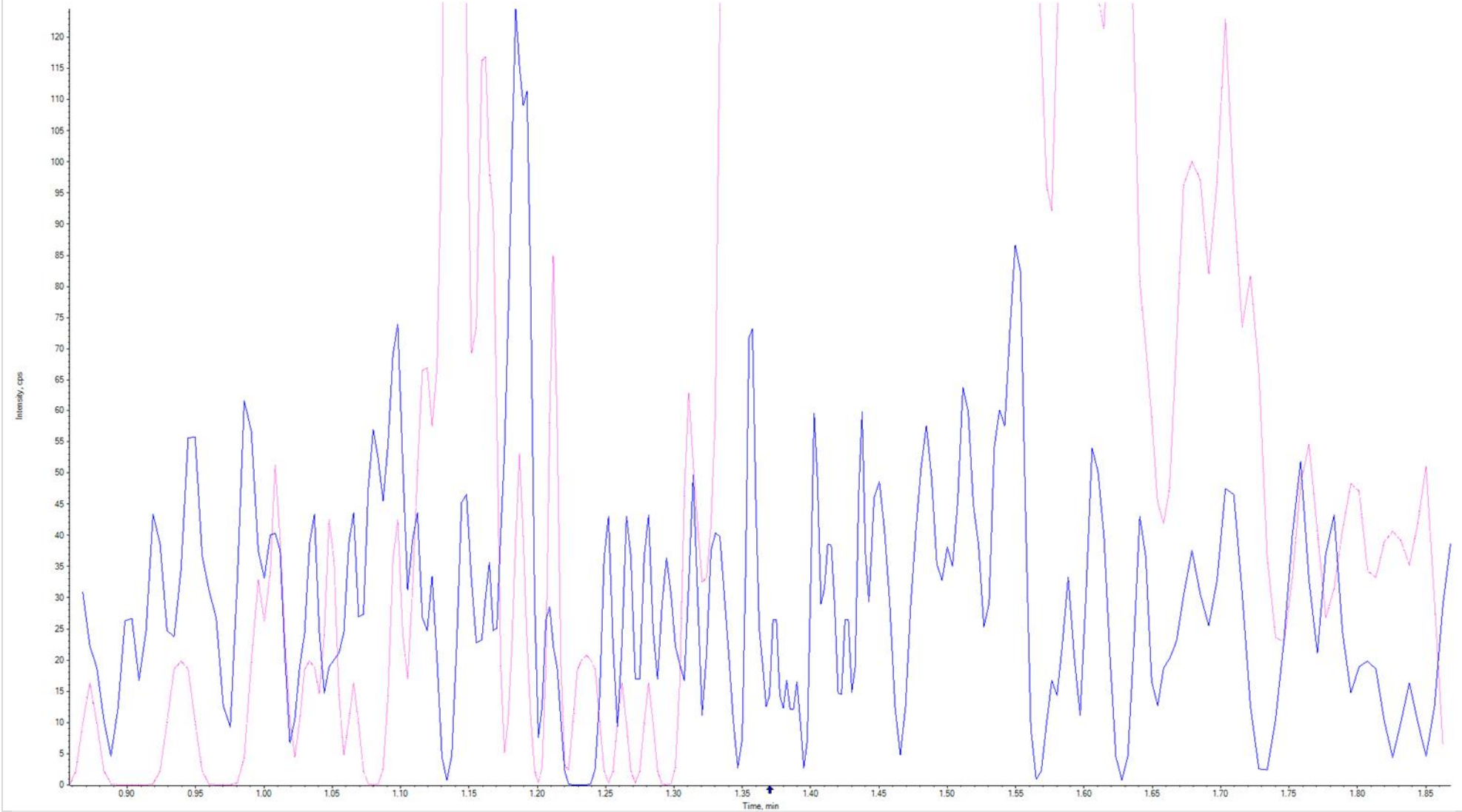
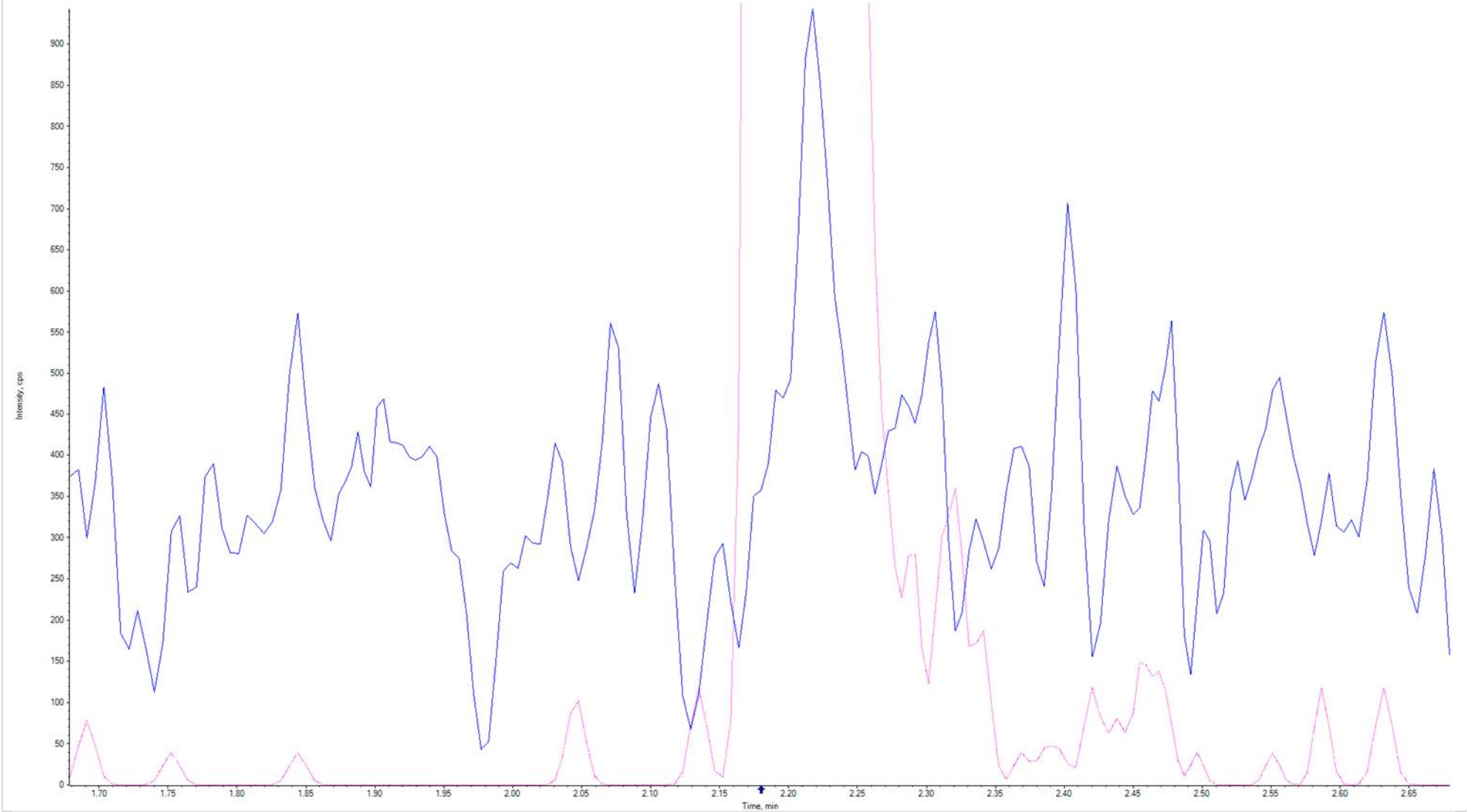
PFPeA_2
Sample: WG2011107-1 S/N:N/A Points Across peak:N/A



PFHxA
Sample: WG2011107-1 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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PFHxA_2
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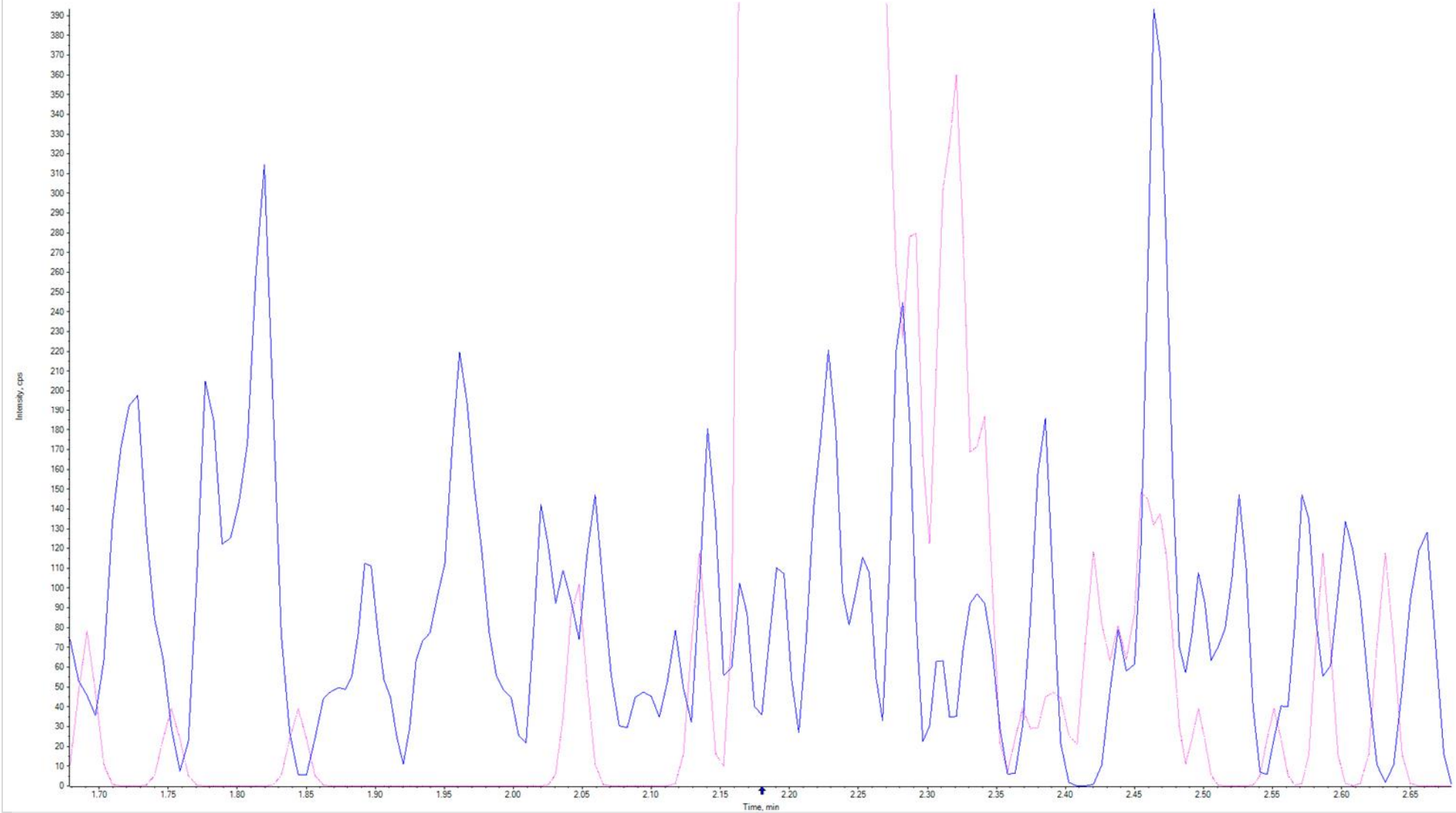

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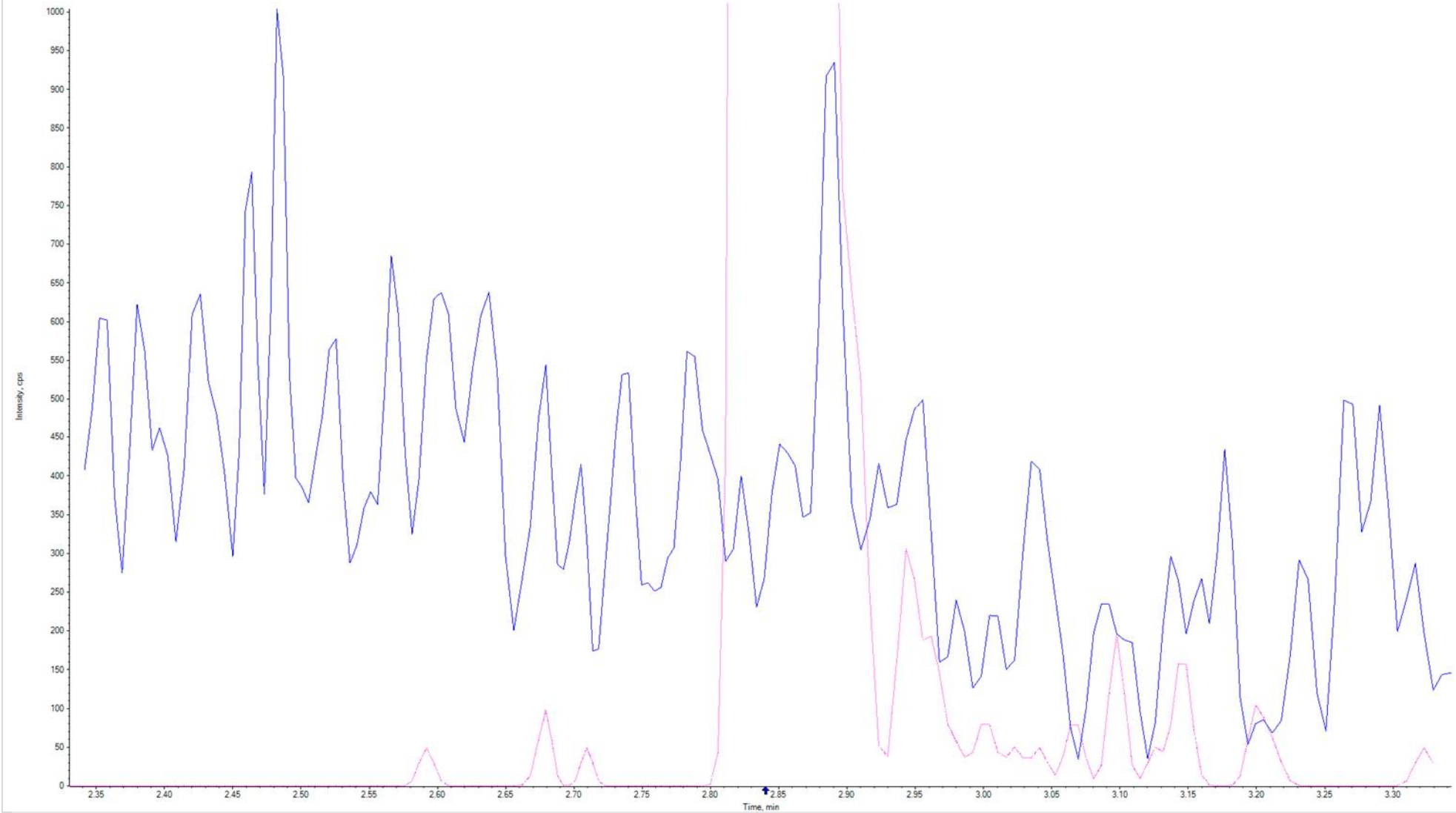

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PFHpA_2
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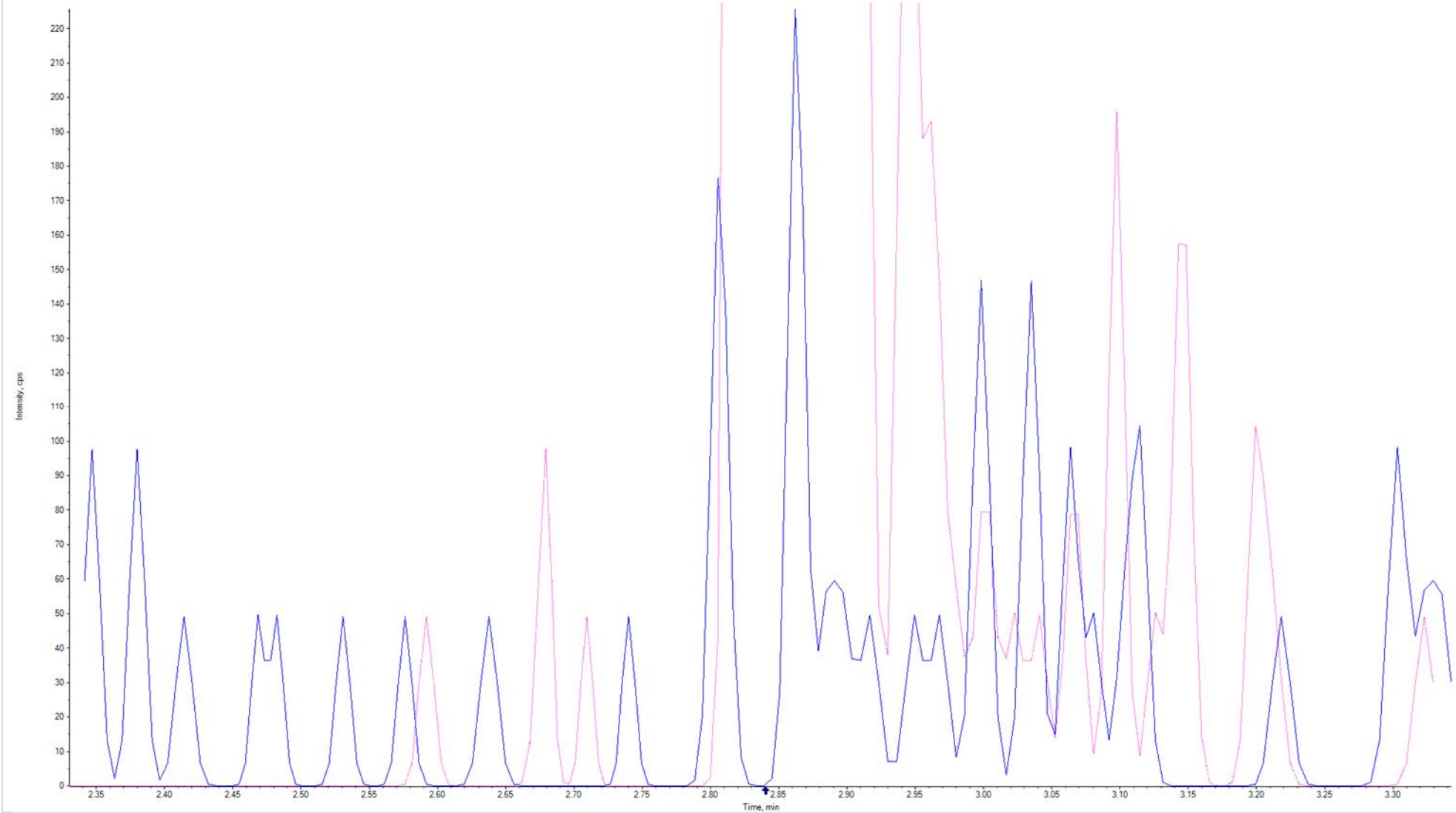

PFOA
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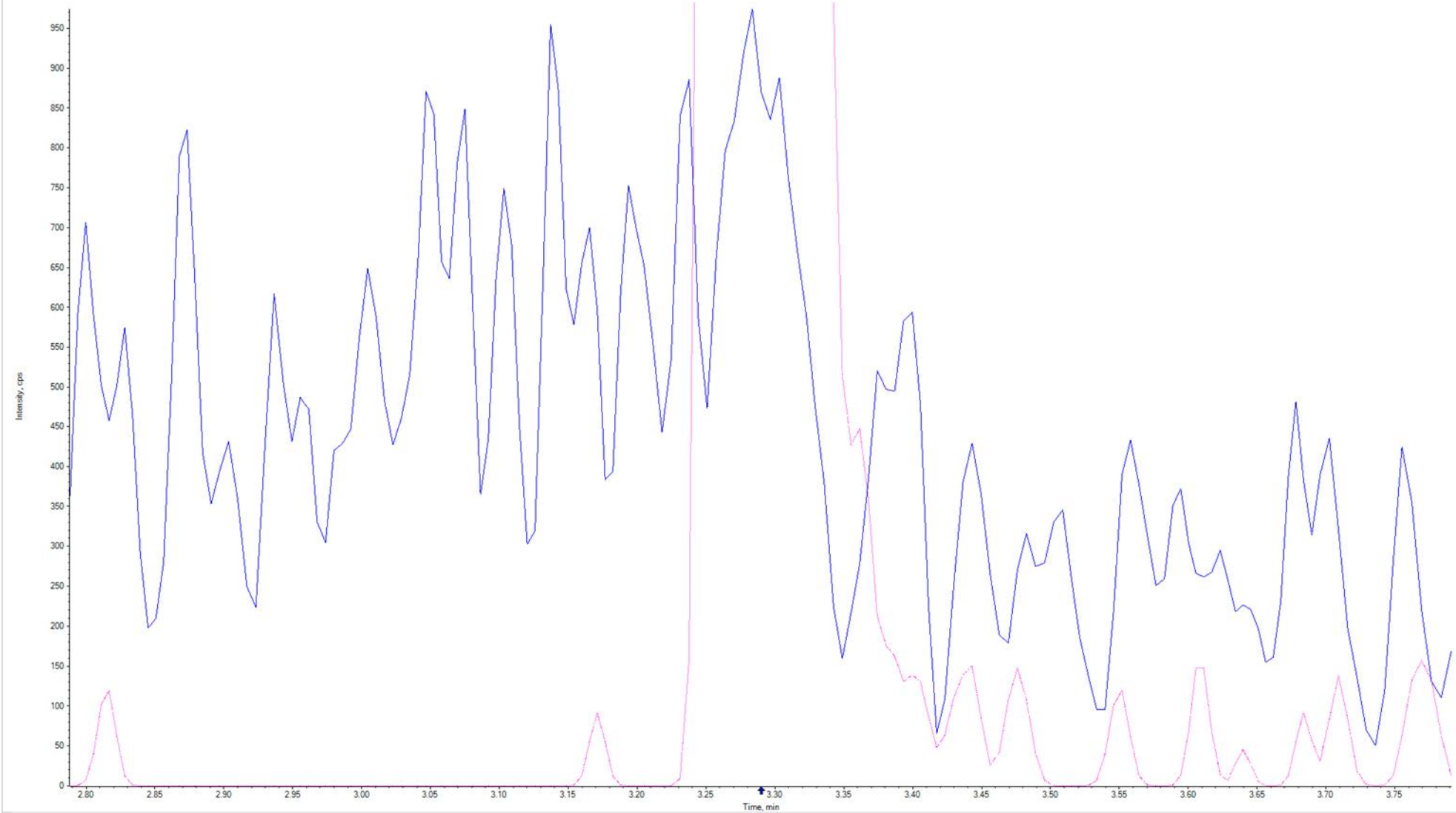

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PFOA_2
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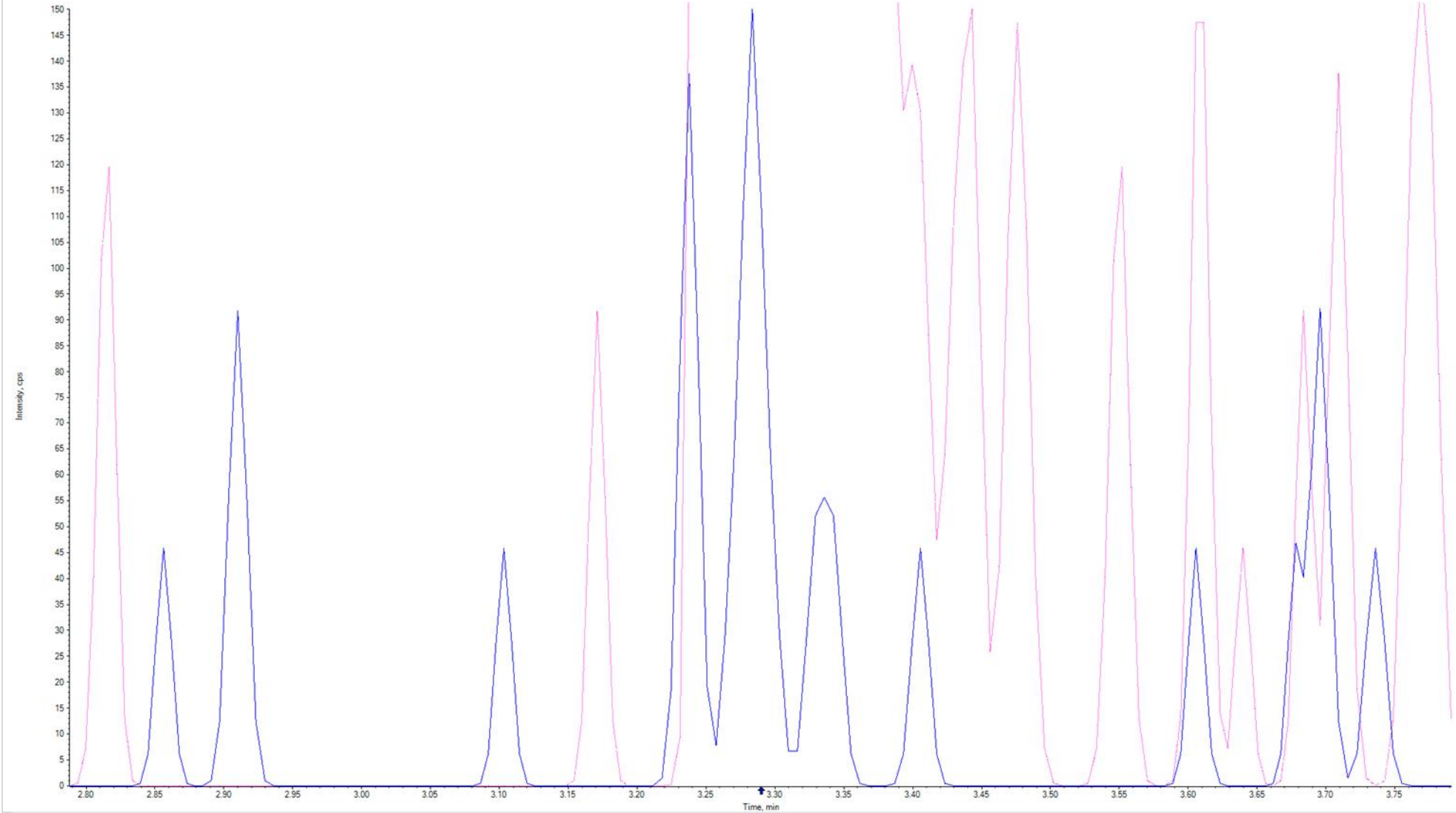

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PFNA
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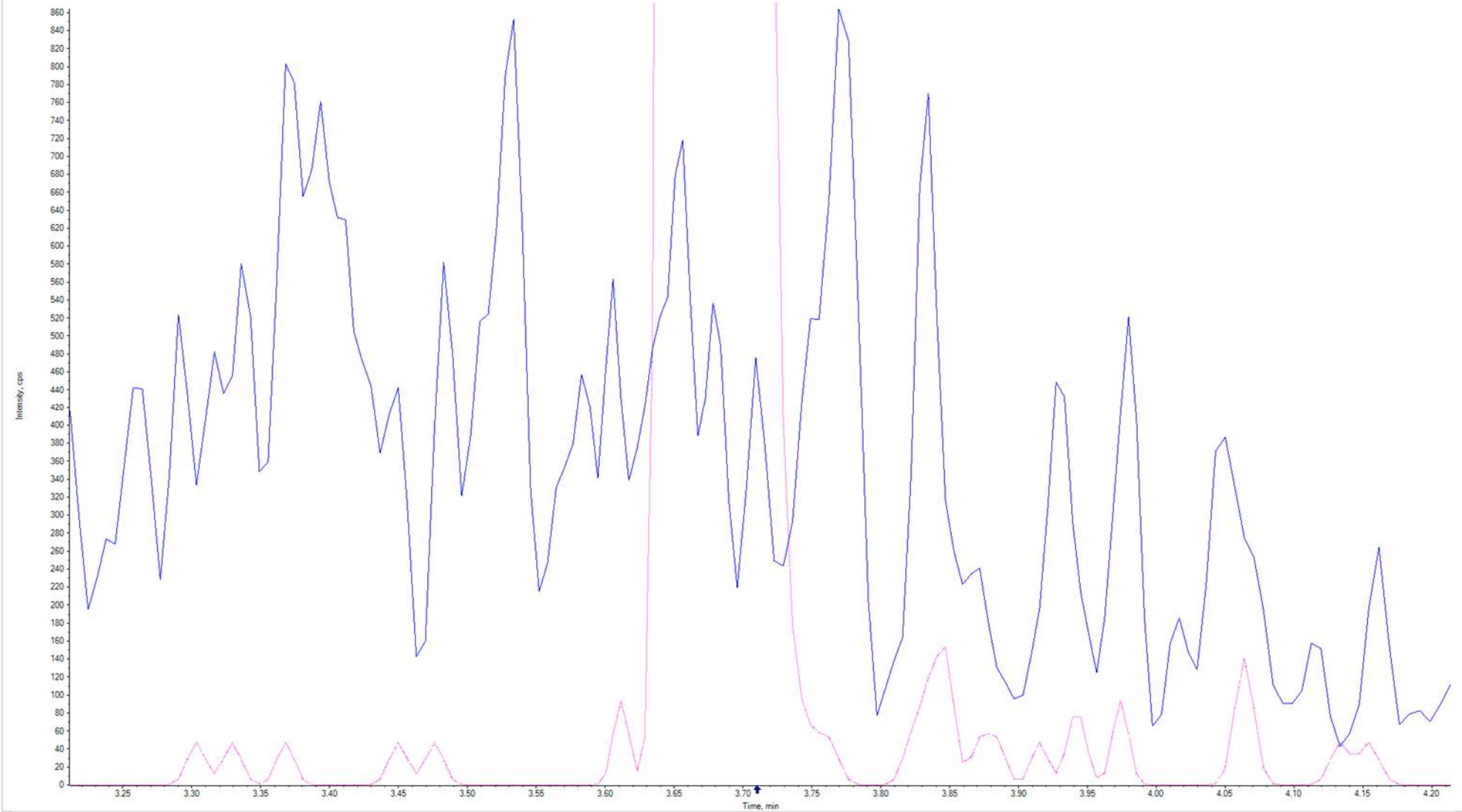

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PFNA_2
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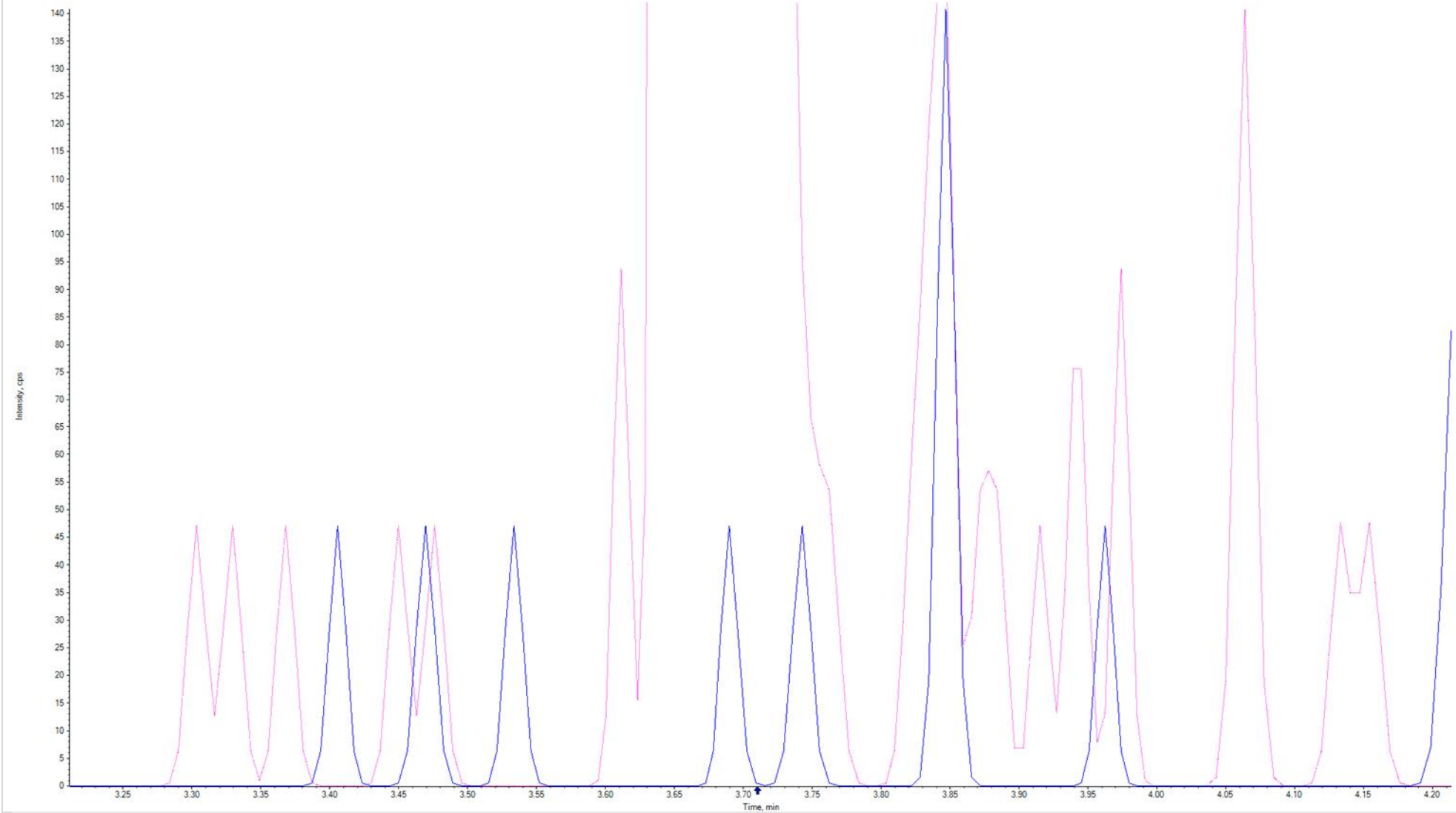

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PFDA
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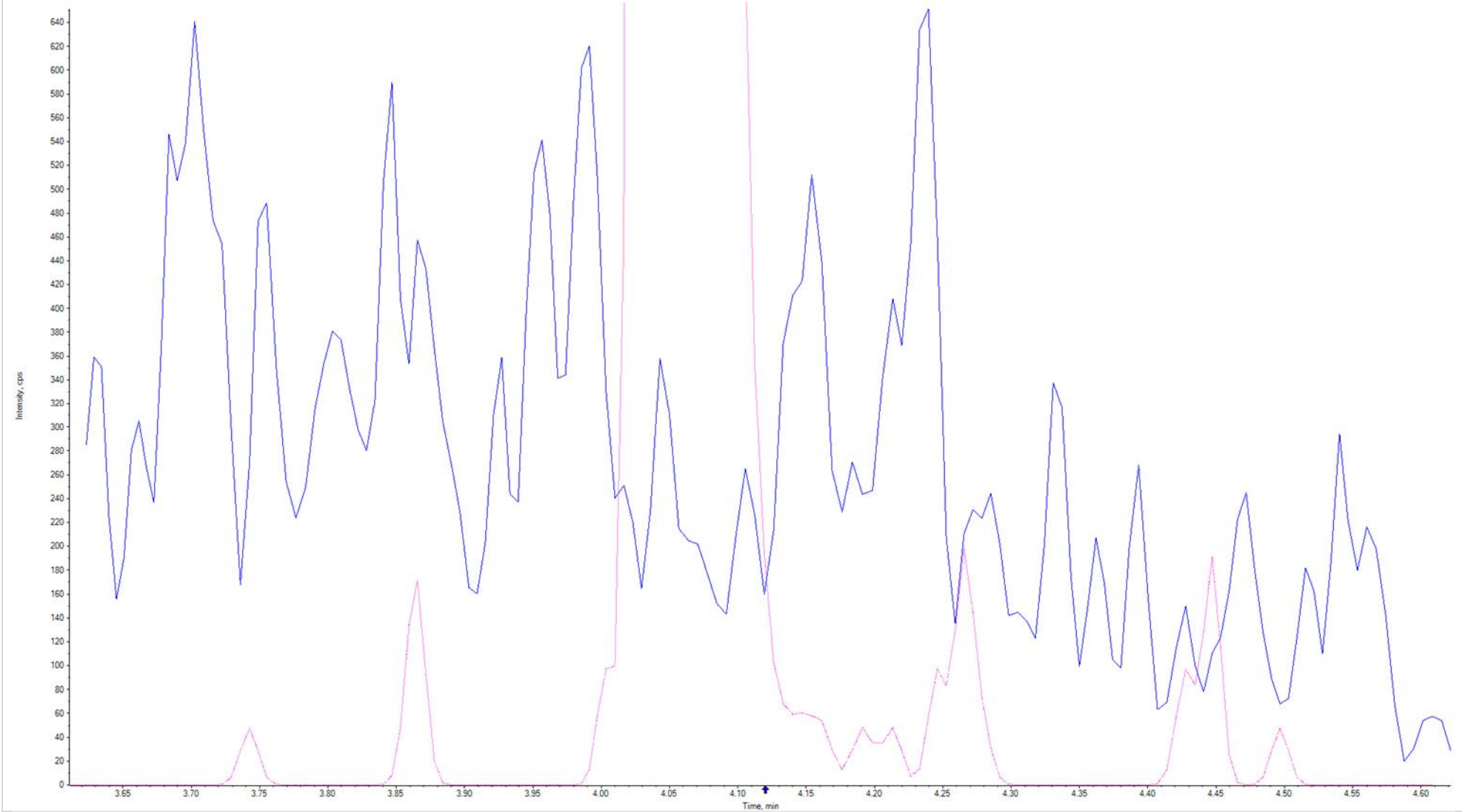

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PFDA_2
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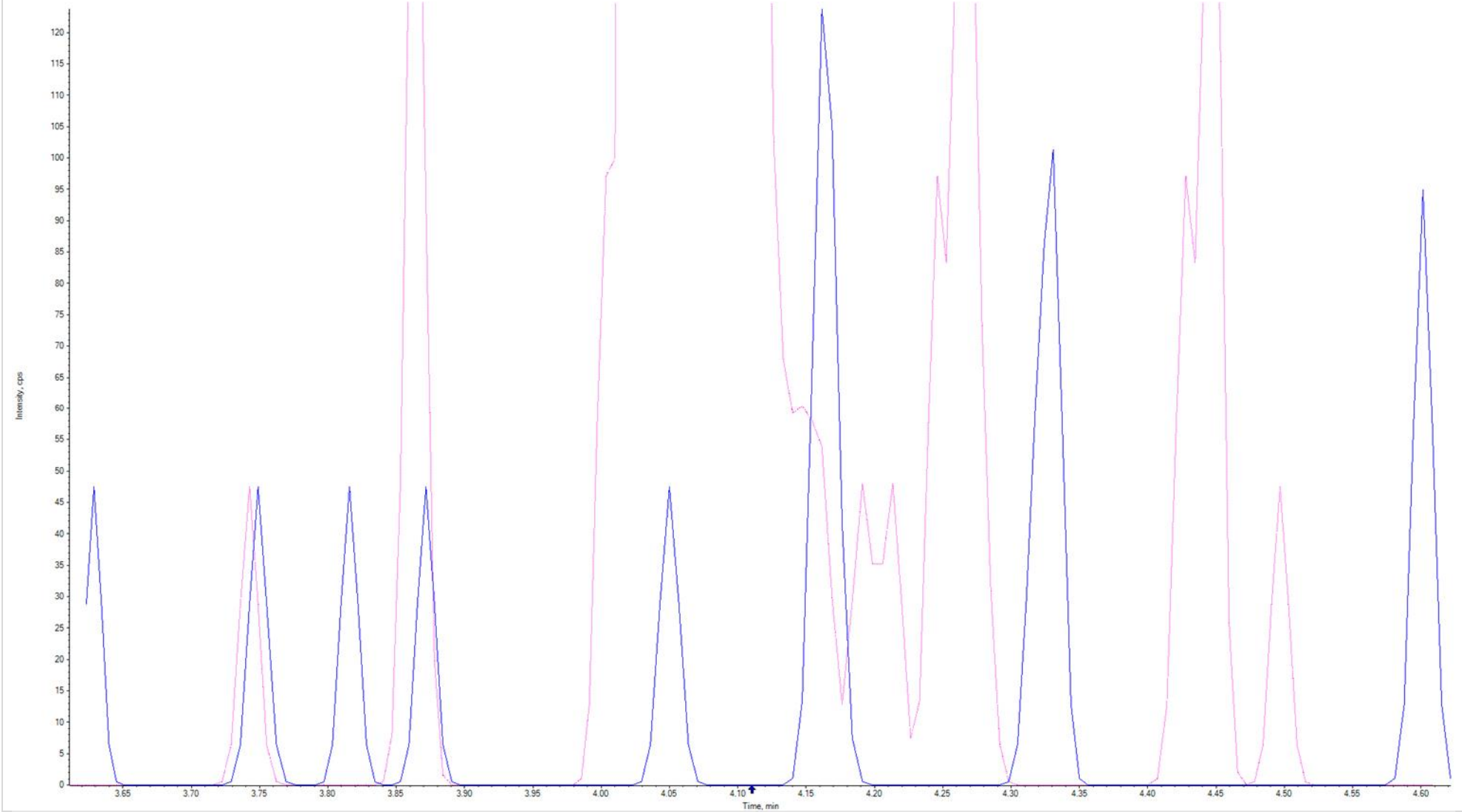

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PFUnA
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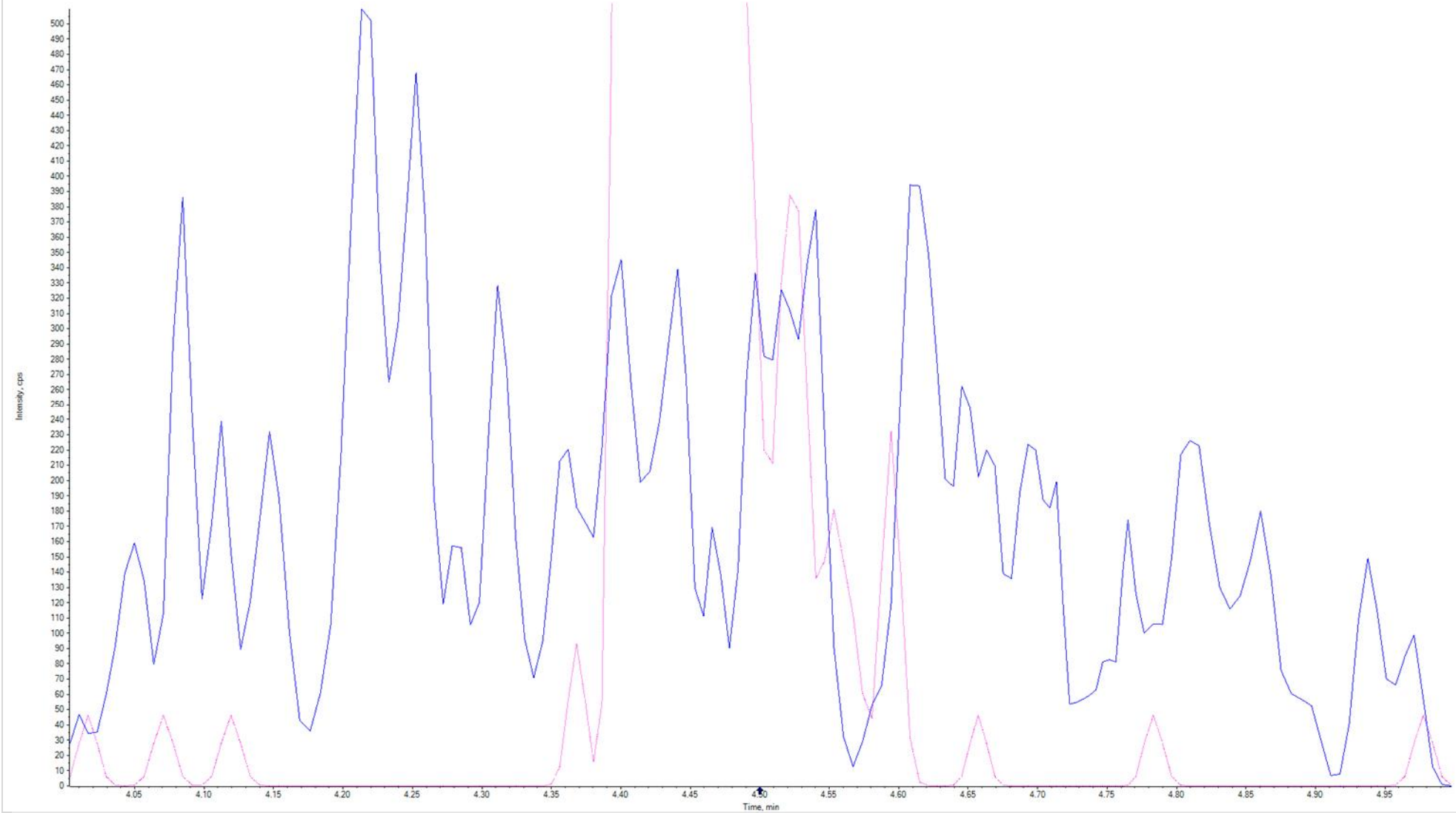

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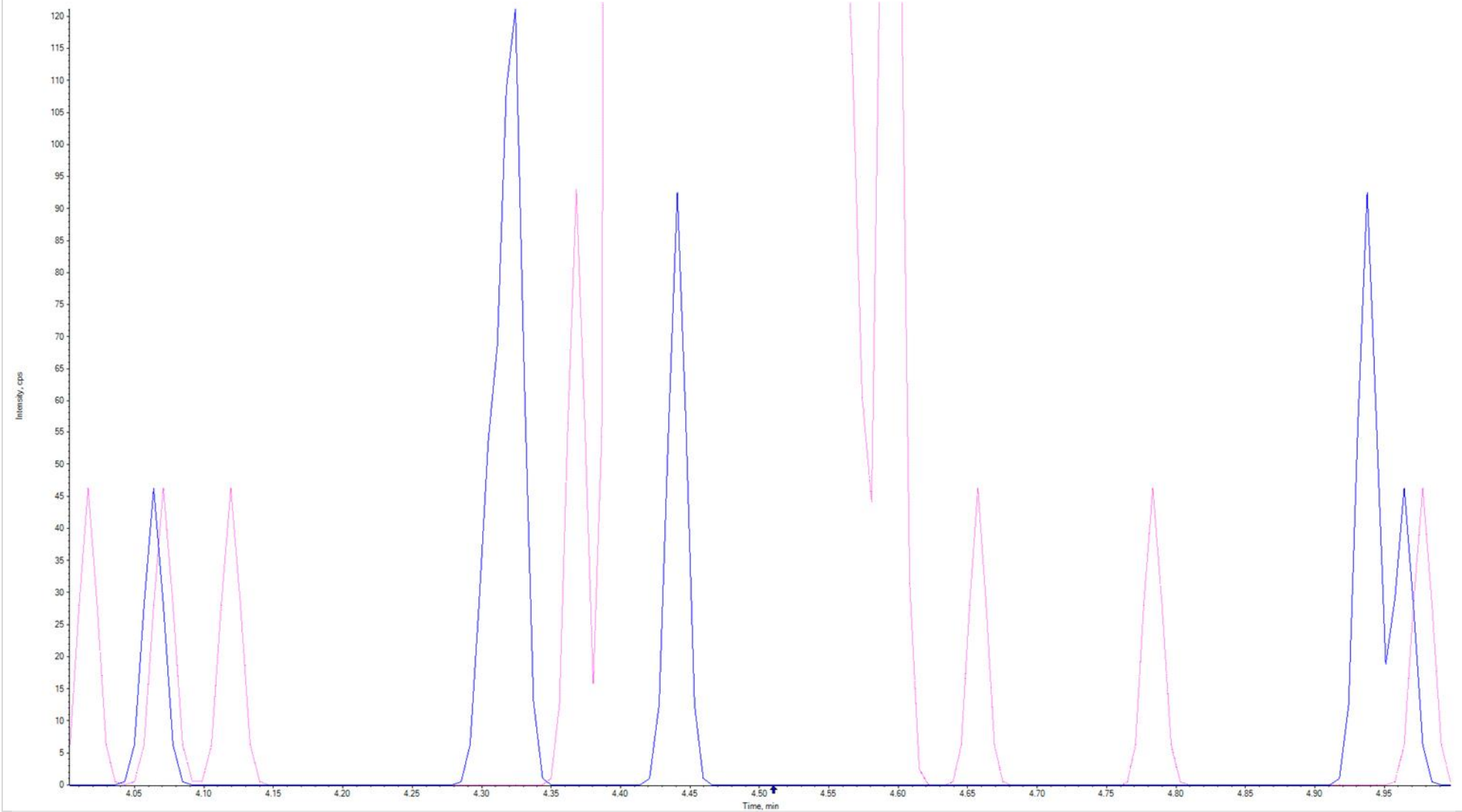

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PFDoA
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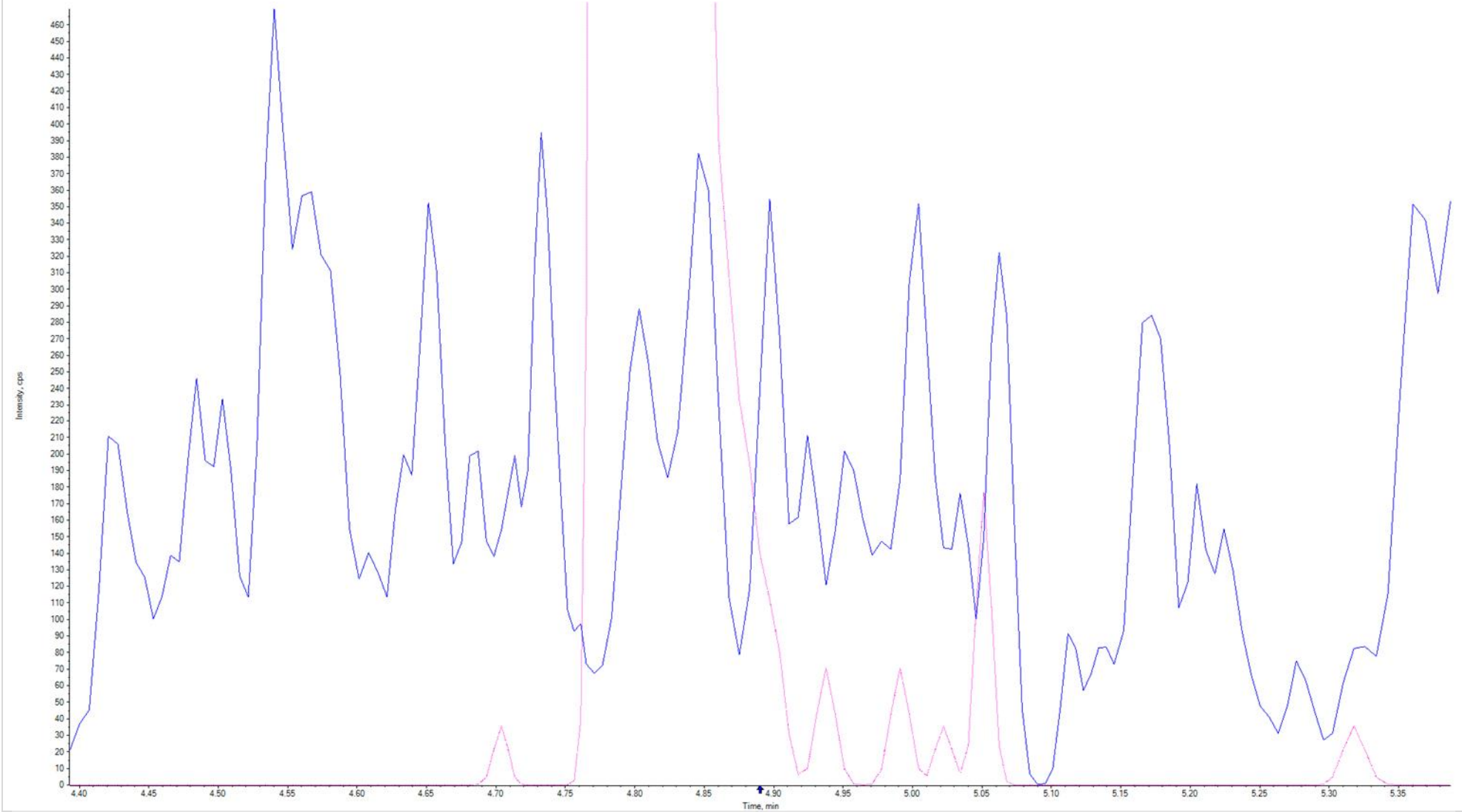

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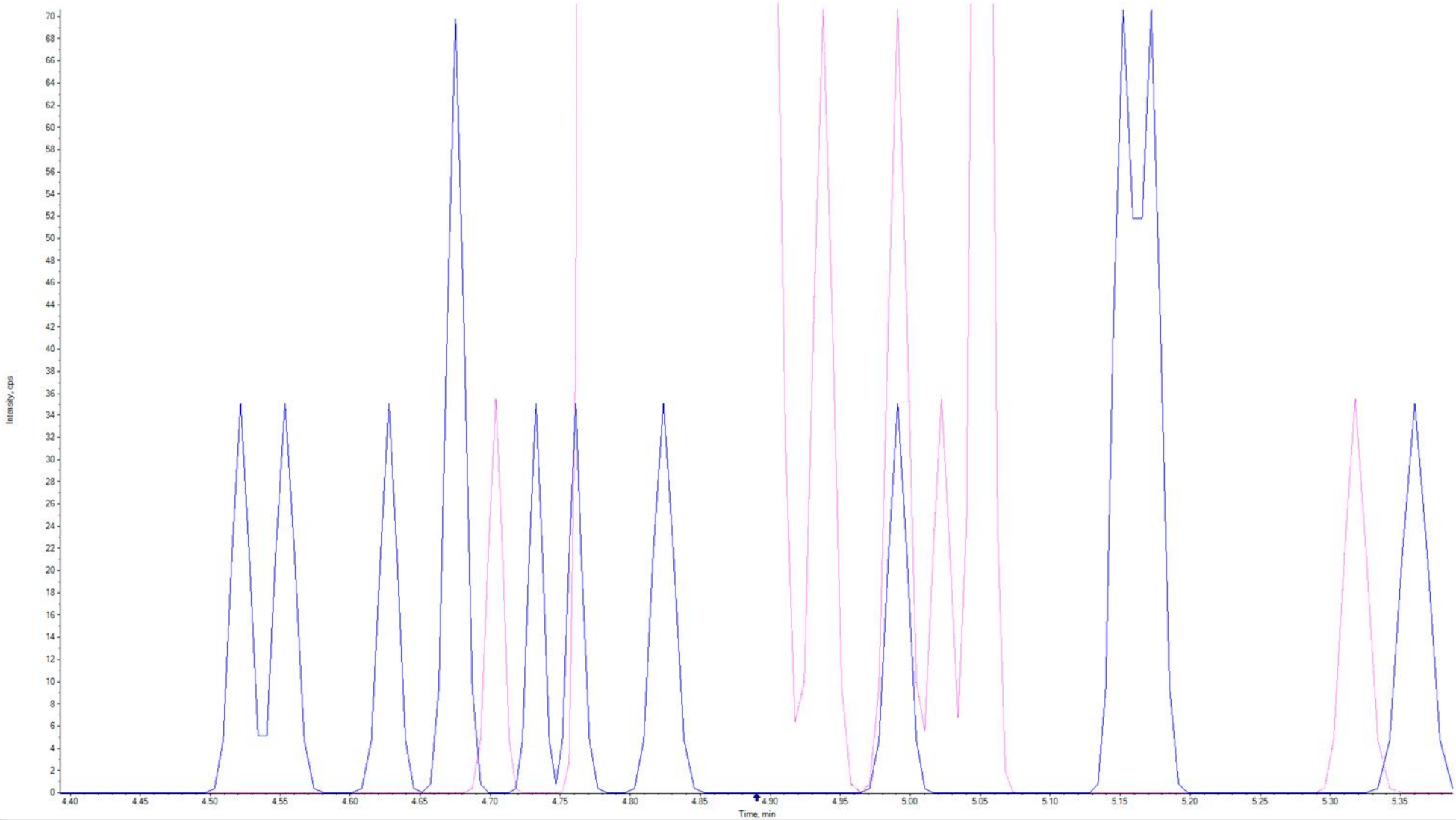

PFTrDA
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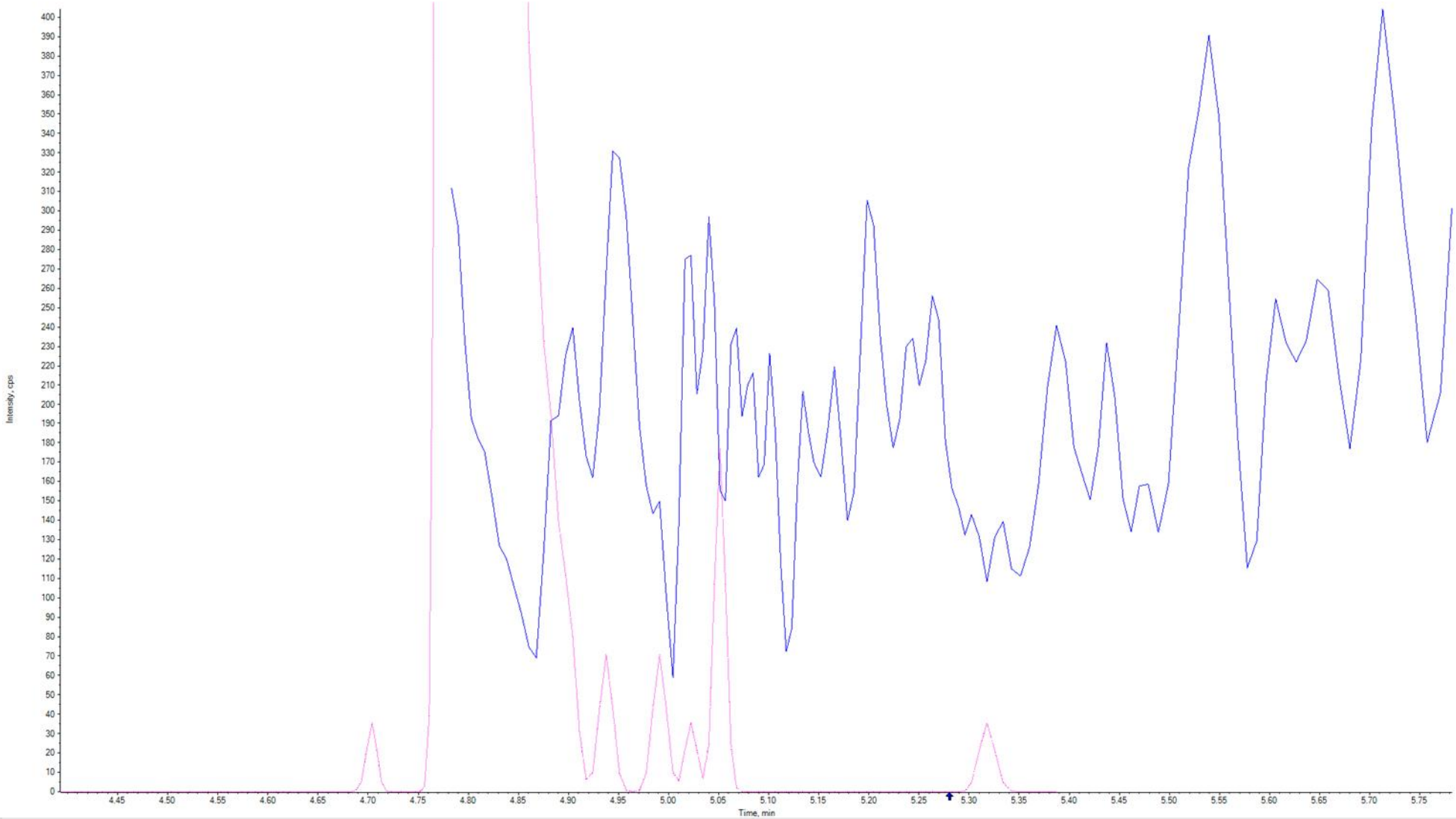

PFTrDA_2
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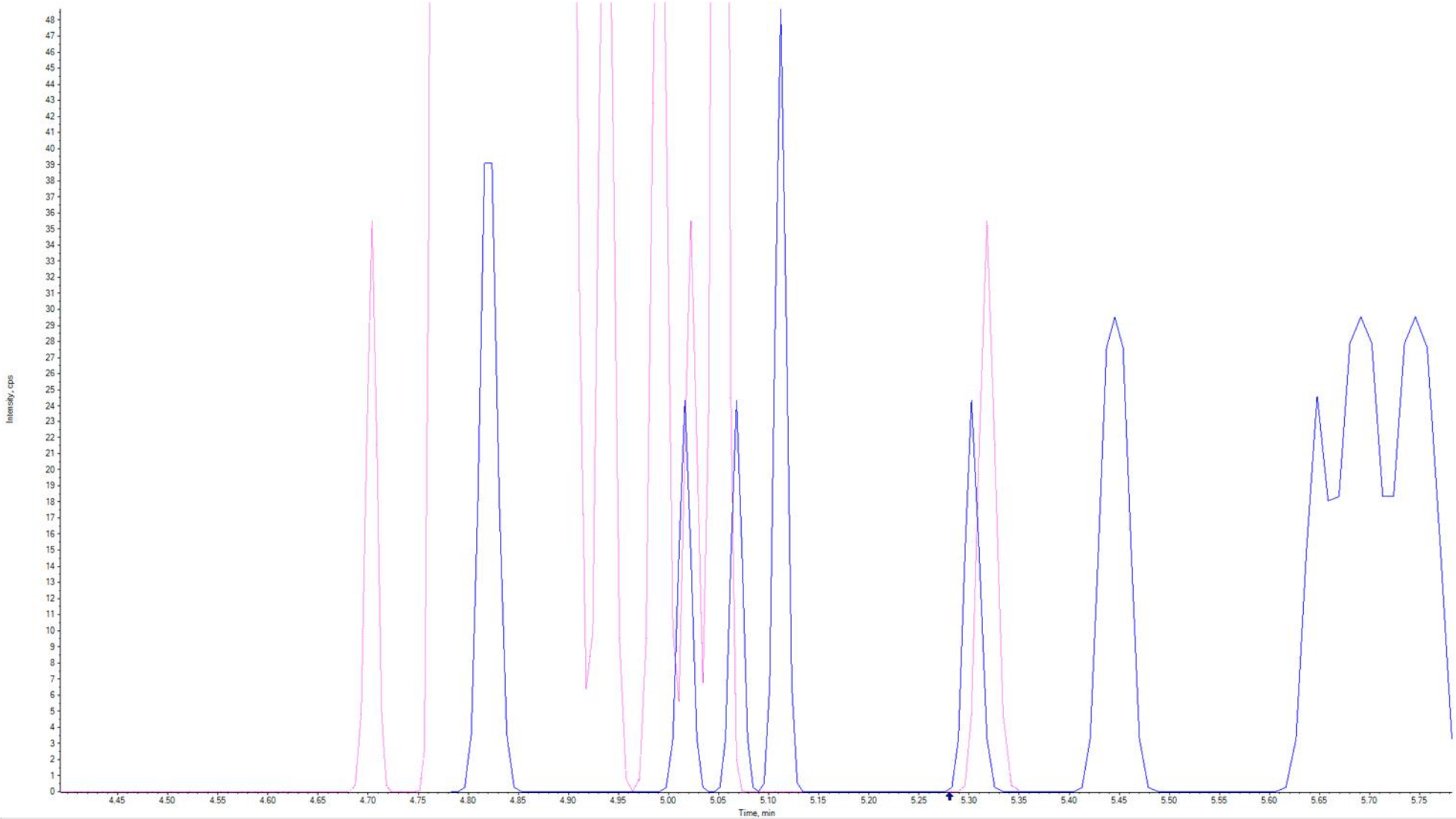

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PFTeDA
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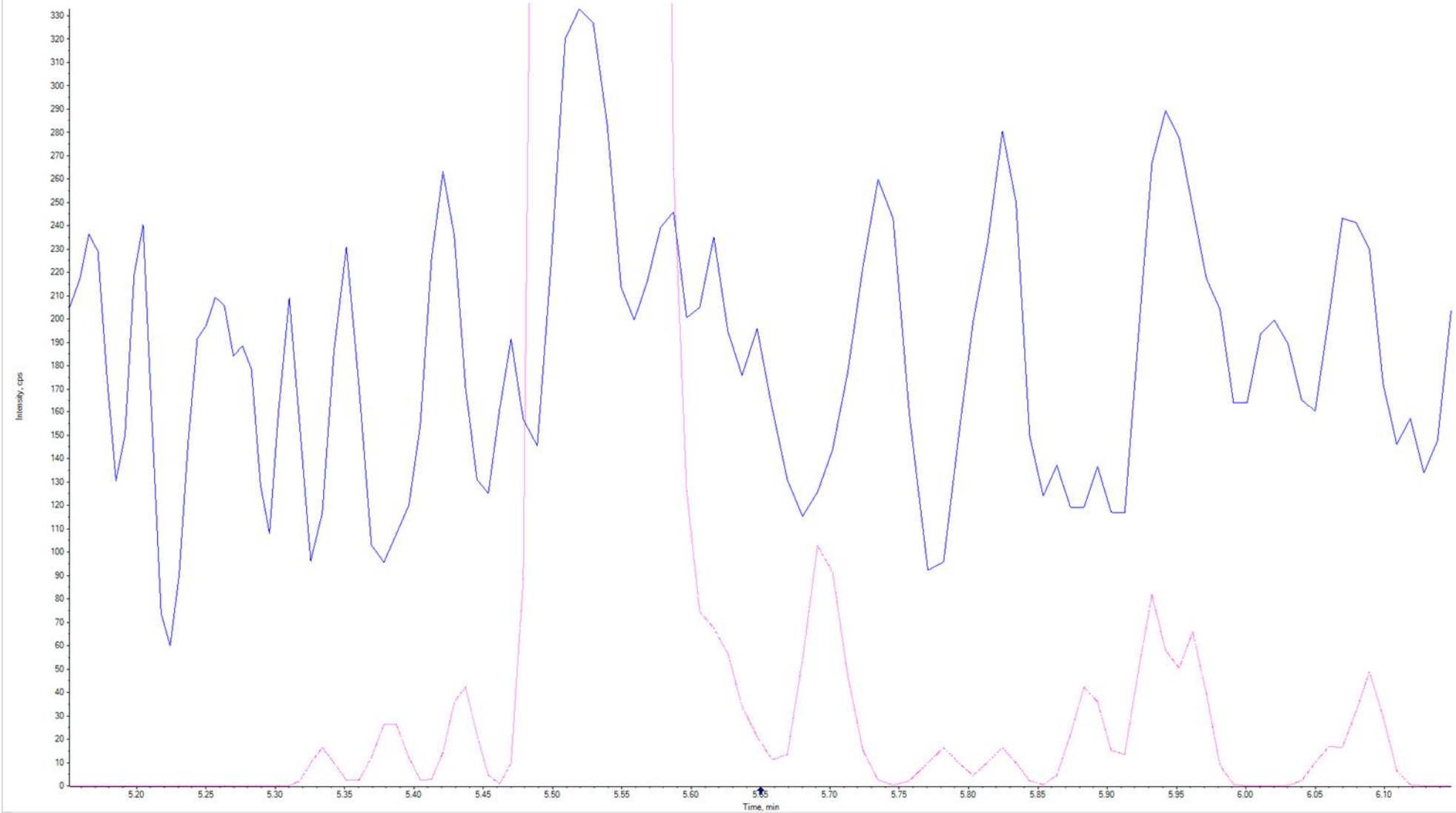

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PFTeDA_2
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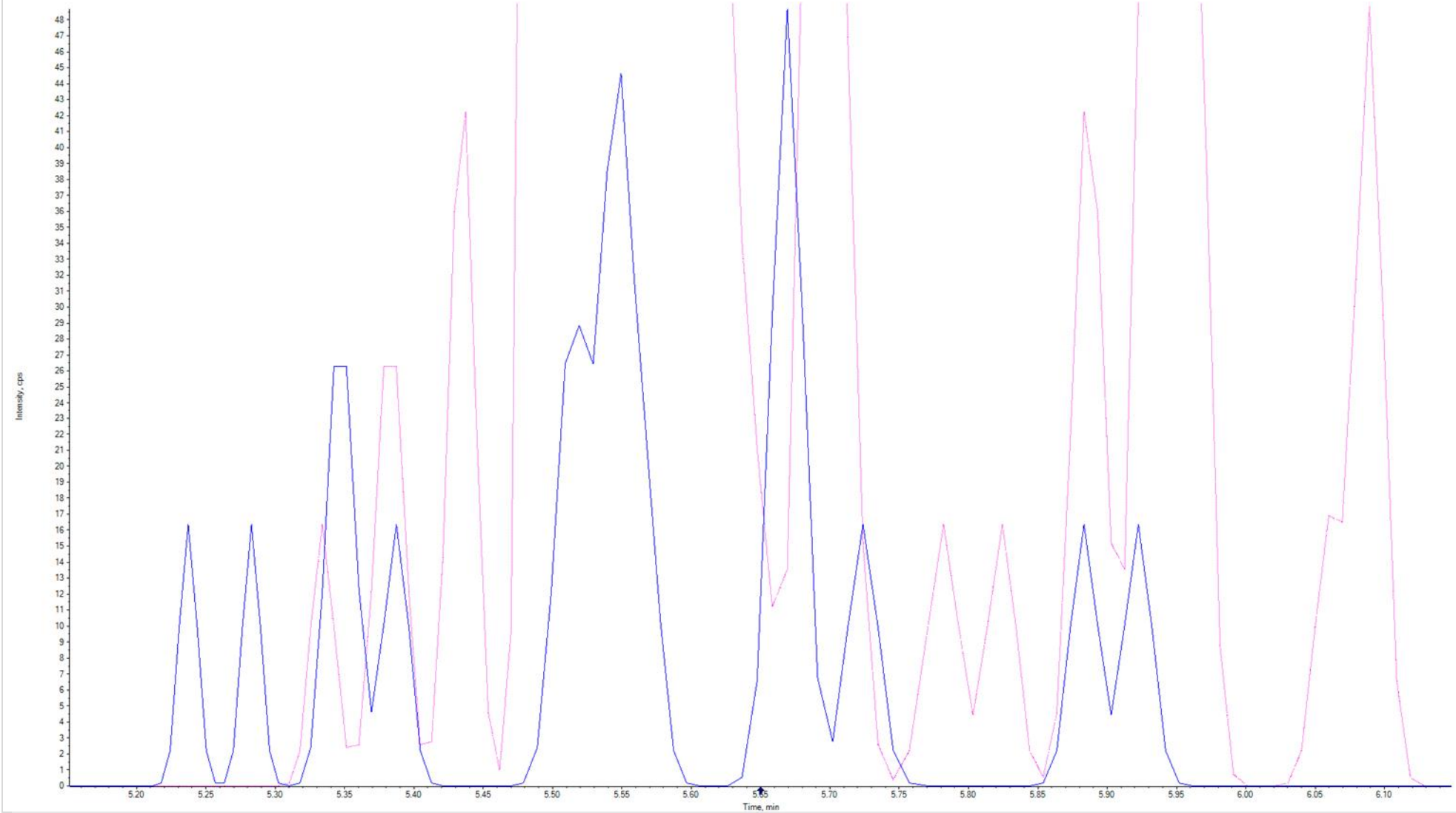

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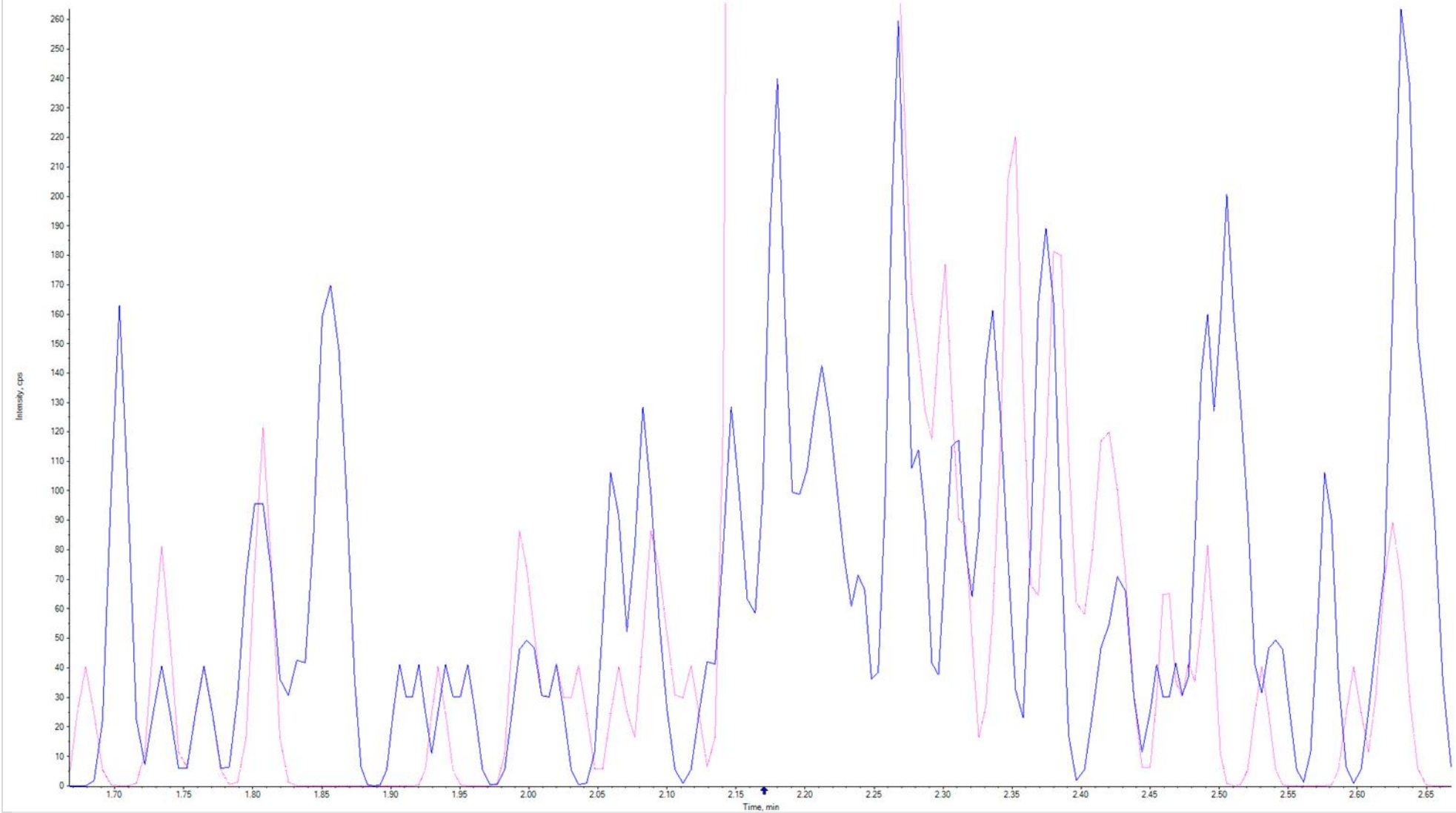
PFBS
Sample: WG2011107-1 S/N:N/A Points Across peak:N/A



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PFBS_2
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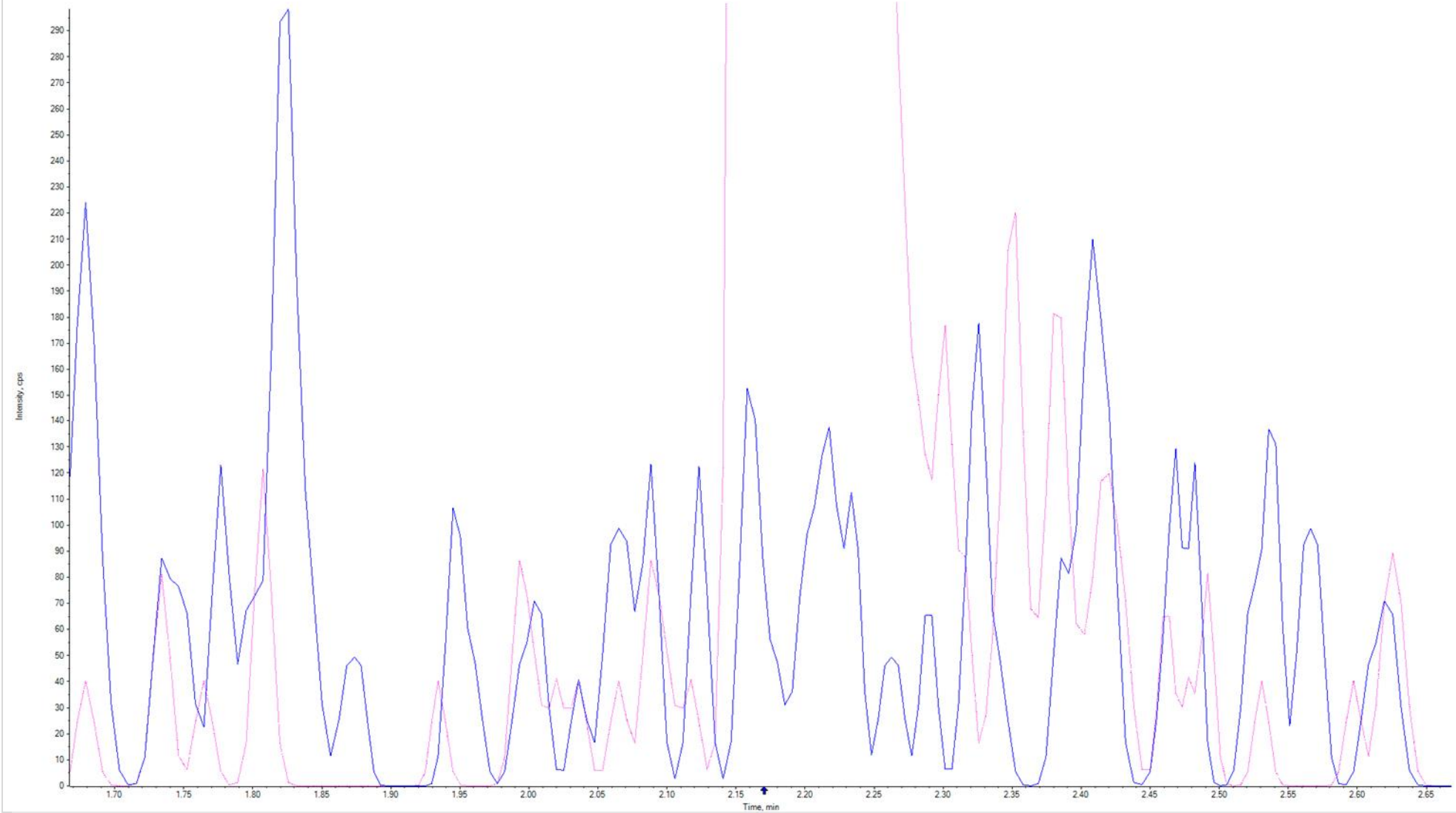

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PFPeS
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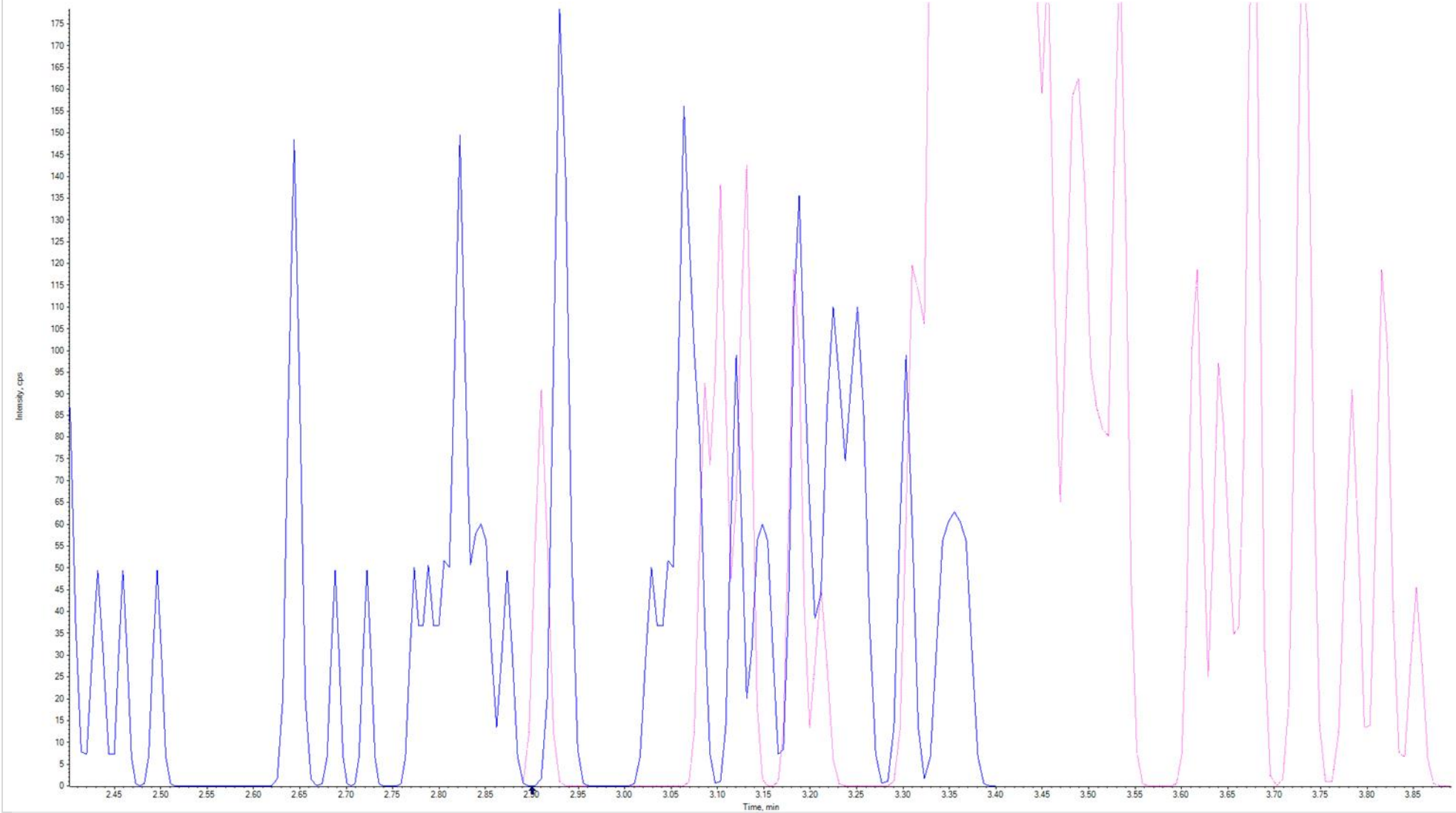

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PFPeS_2
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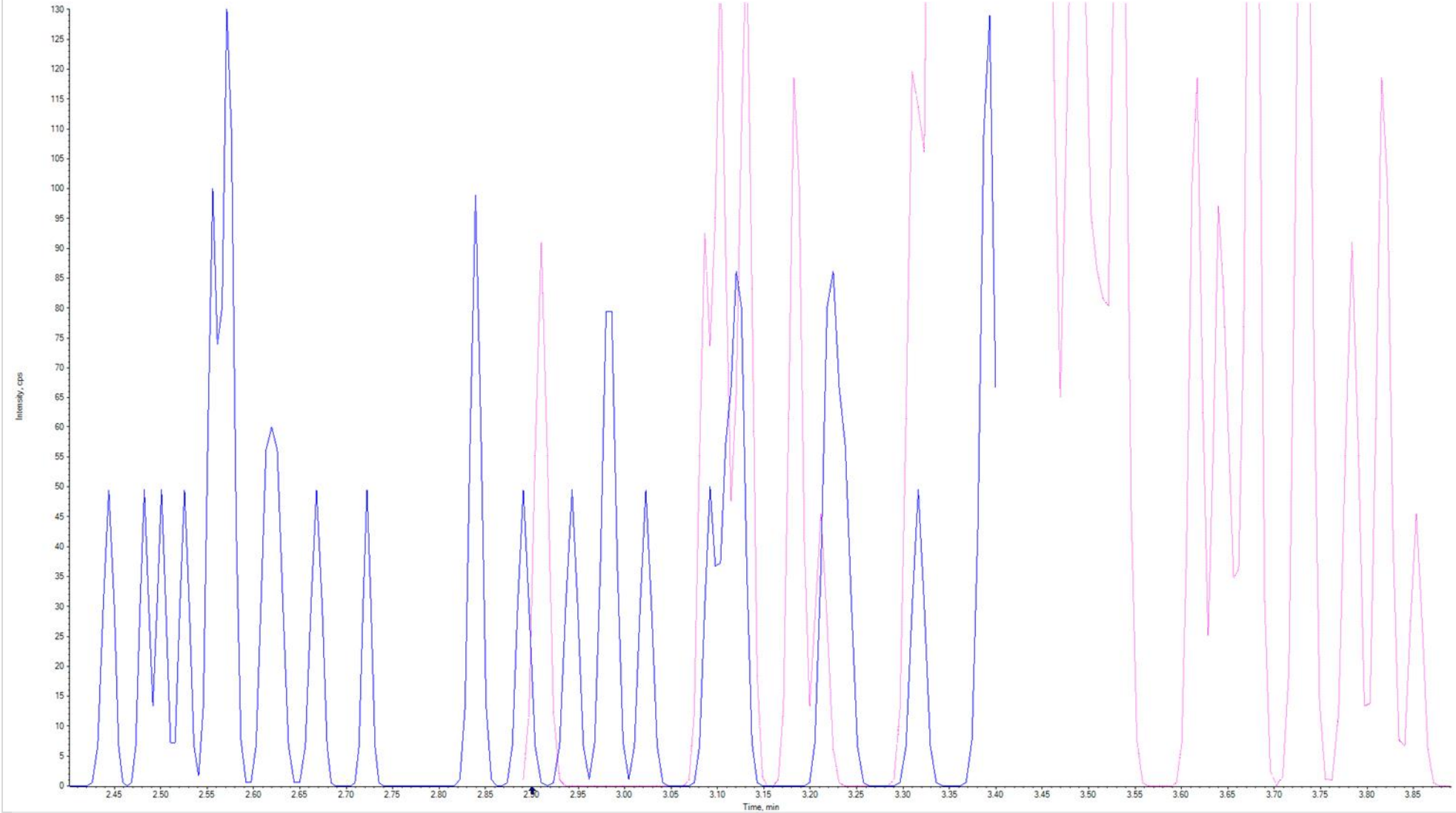

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PFHxS
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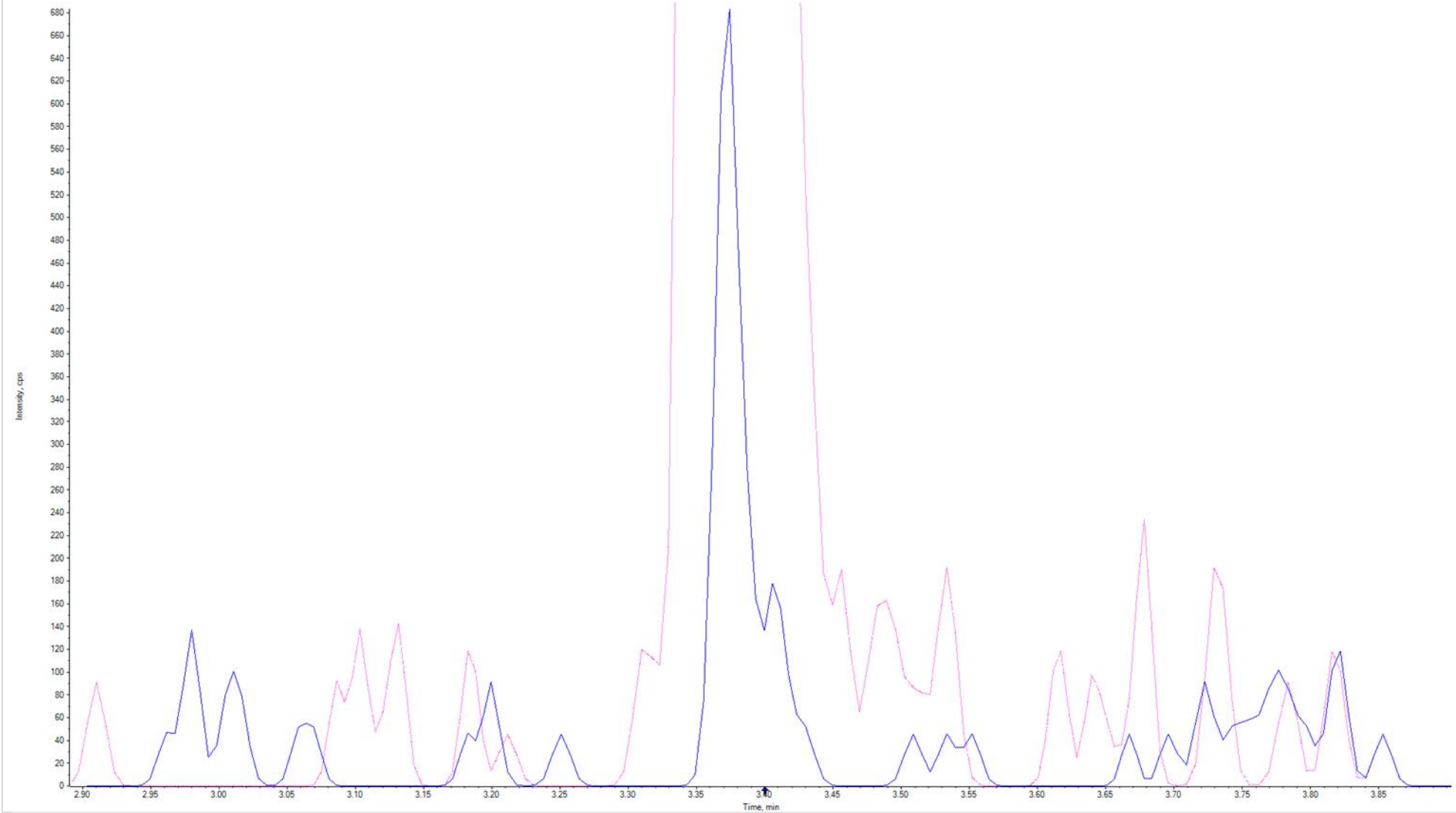

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PFHxS_2
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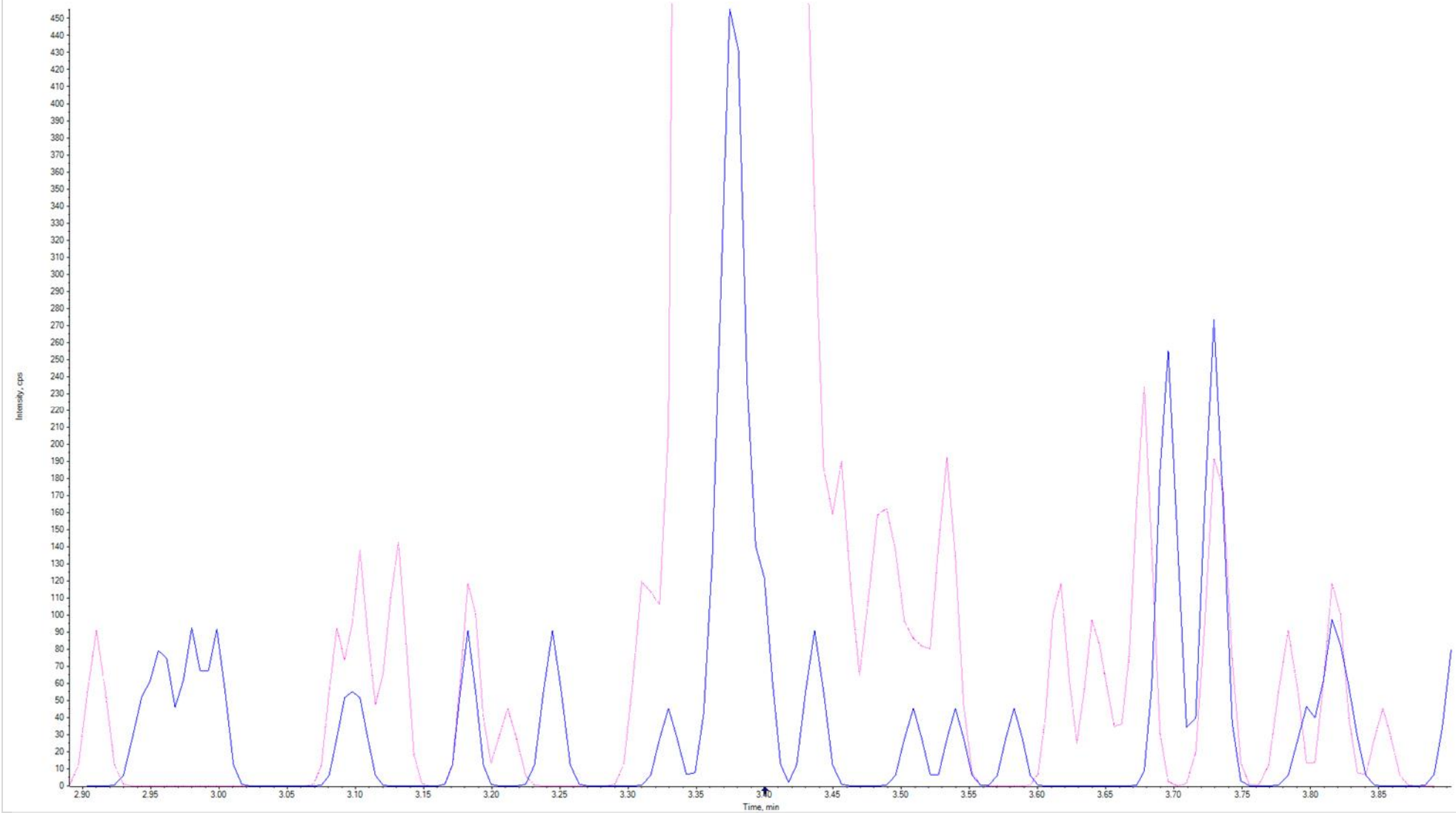

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PFHpS
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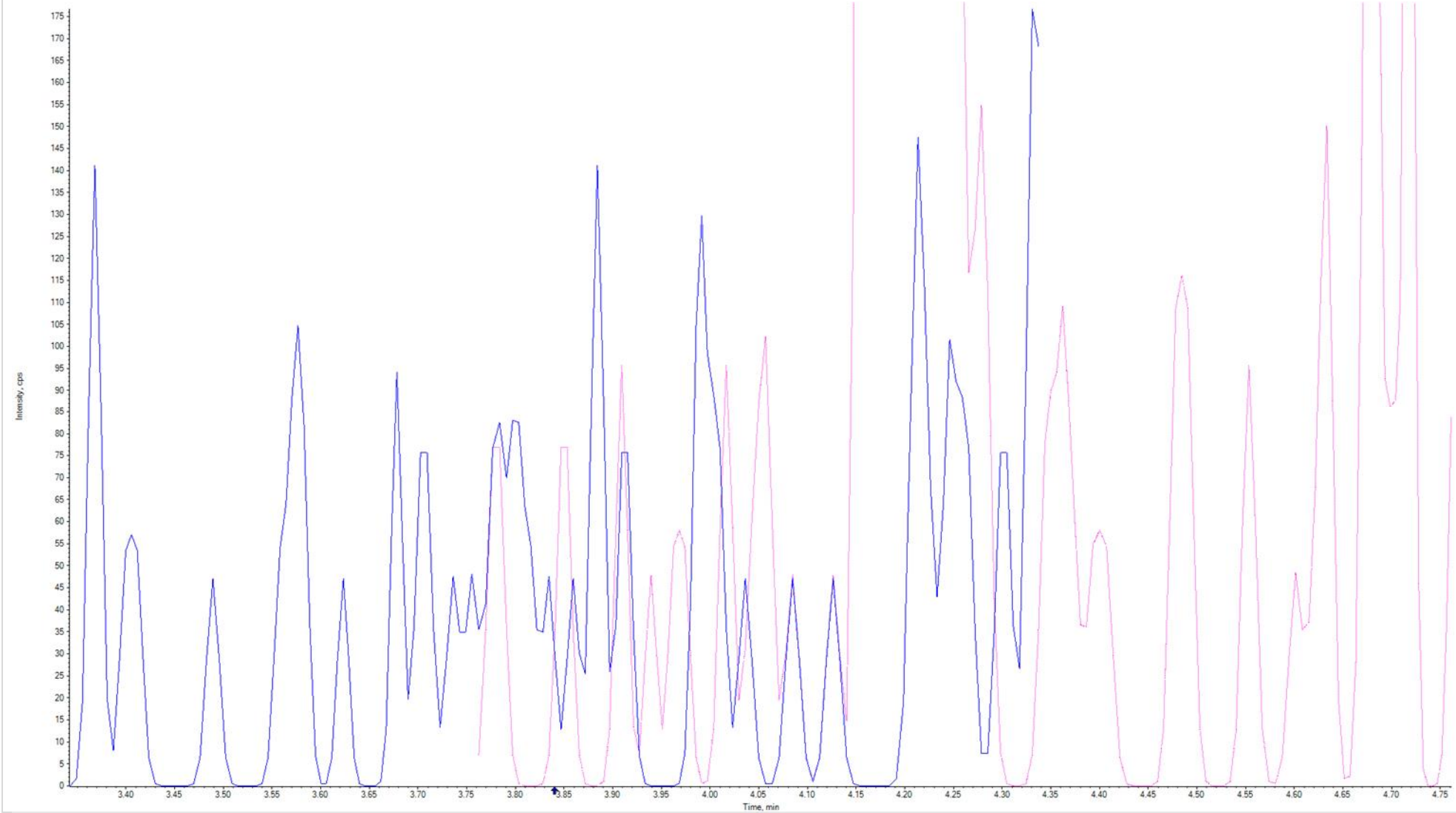

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PFHpS_2
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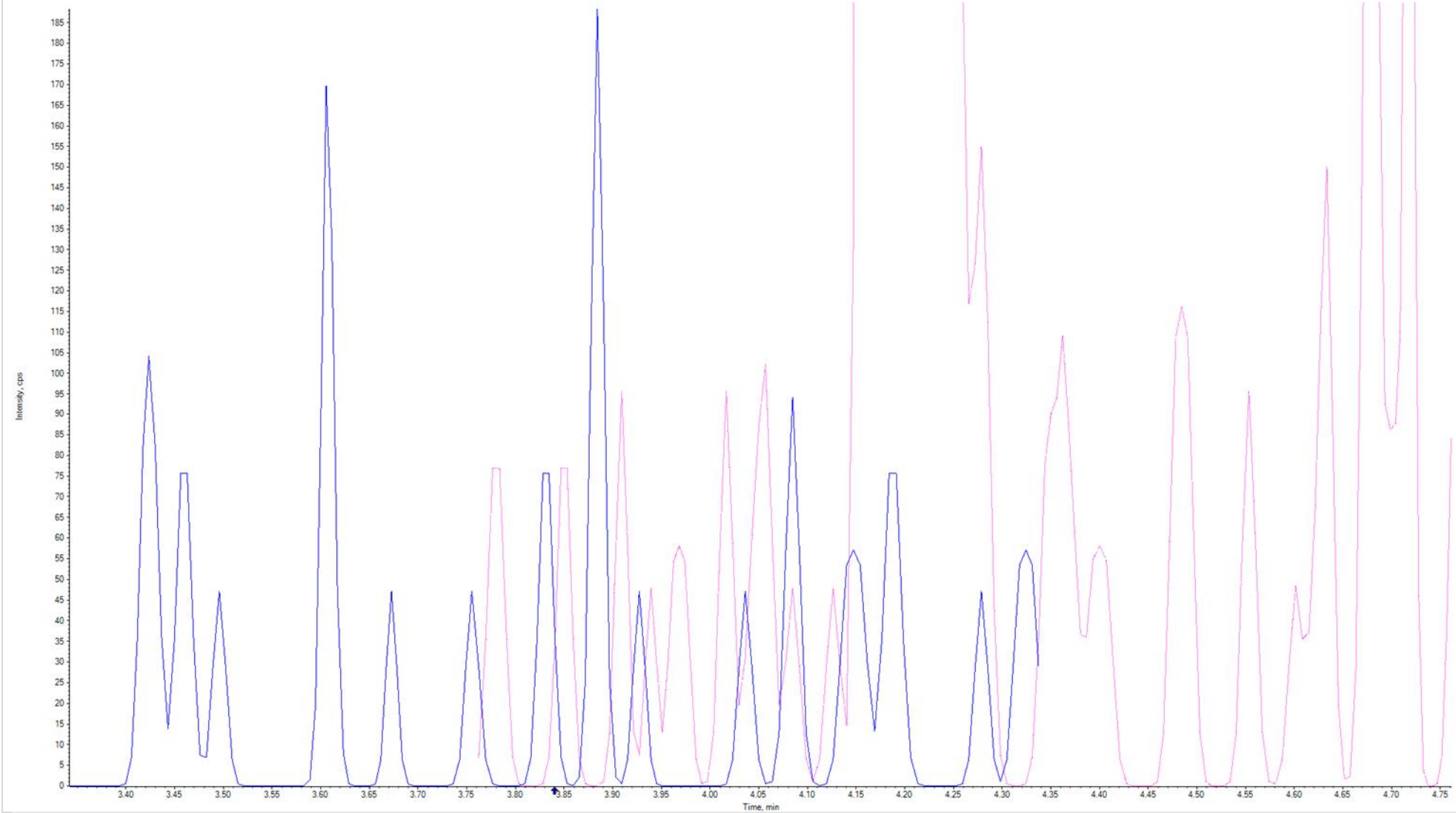

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PFOS
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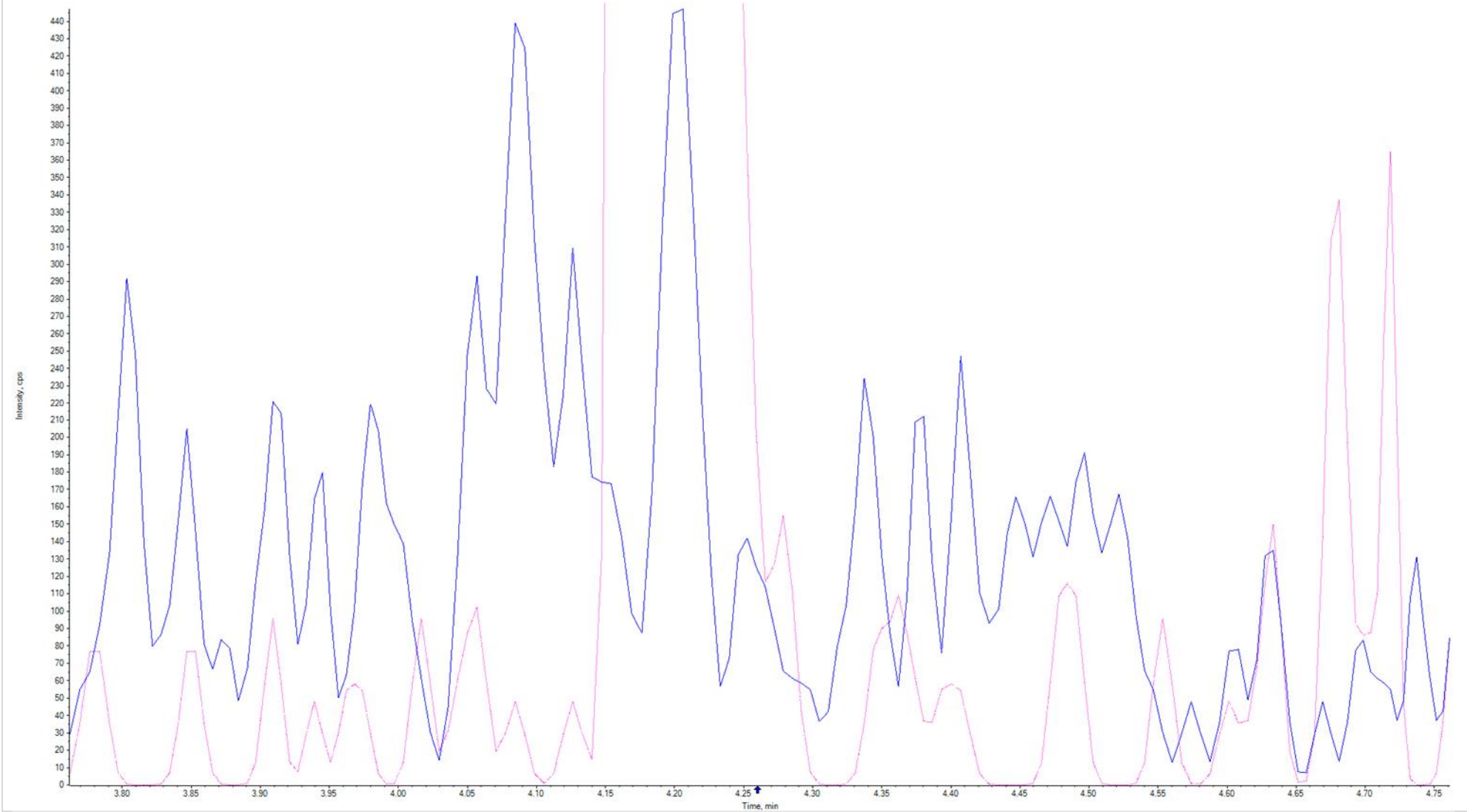

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PFOS_2
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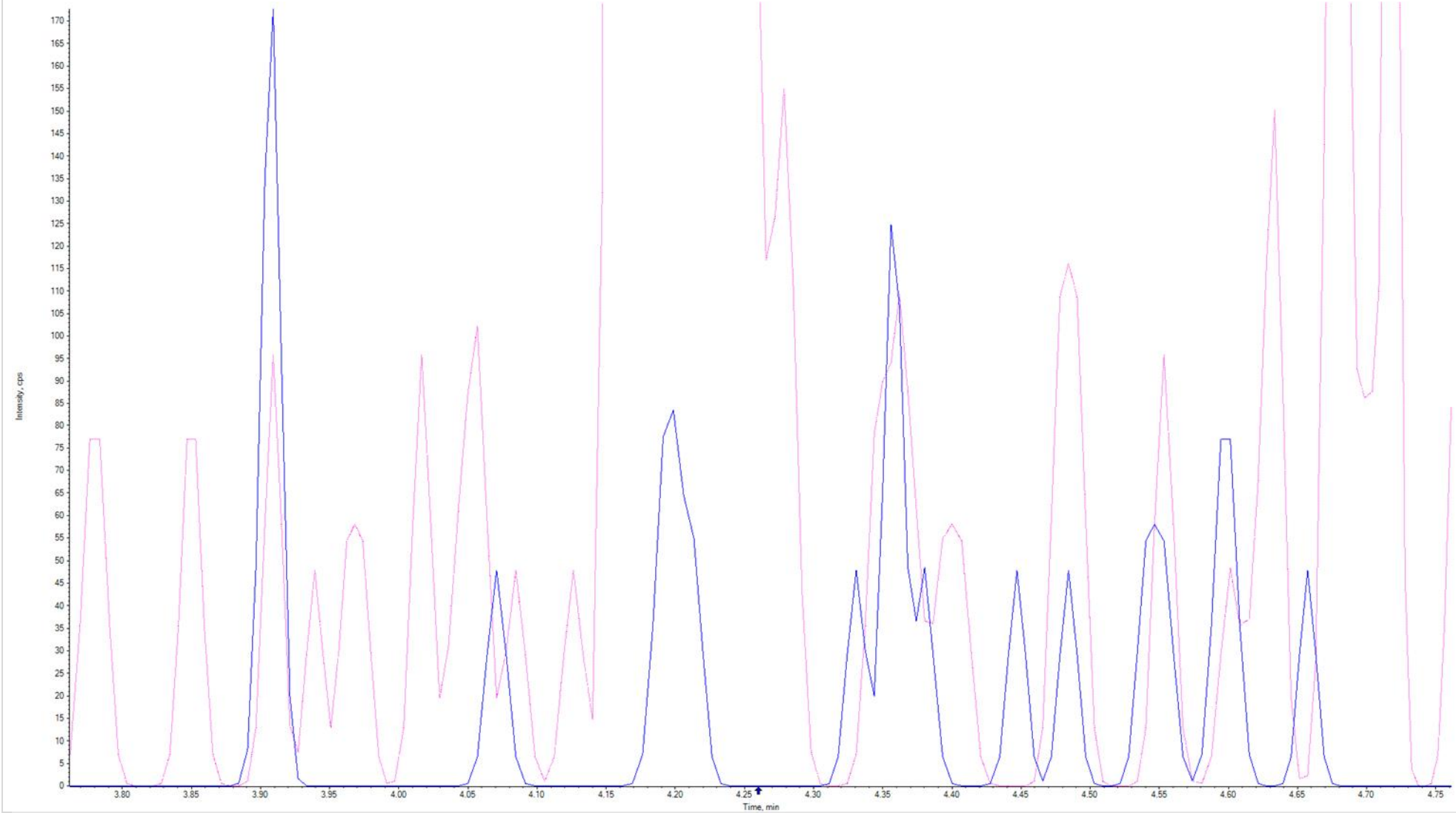

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PFNS
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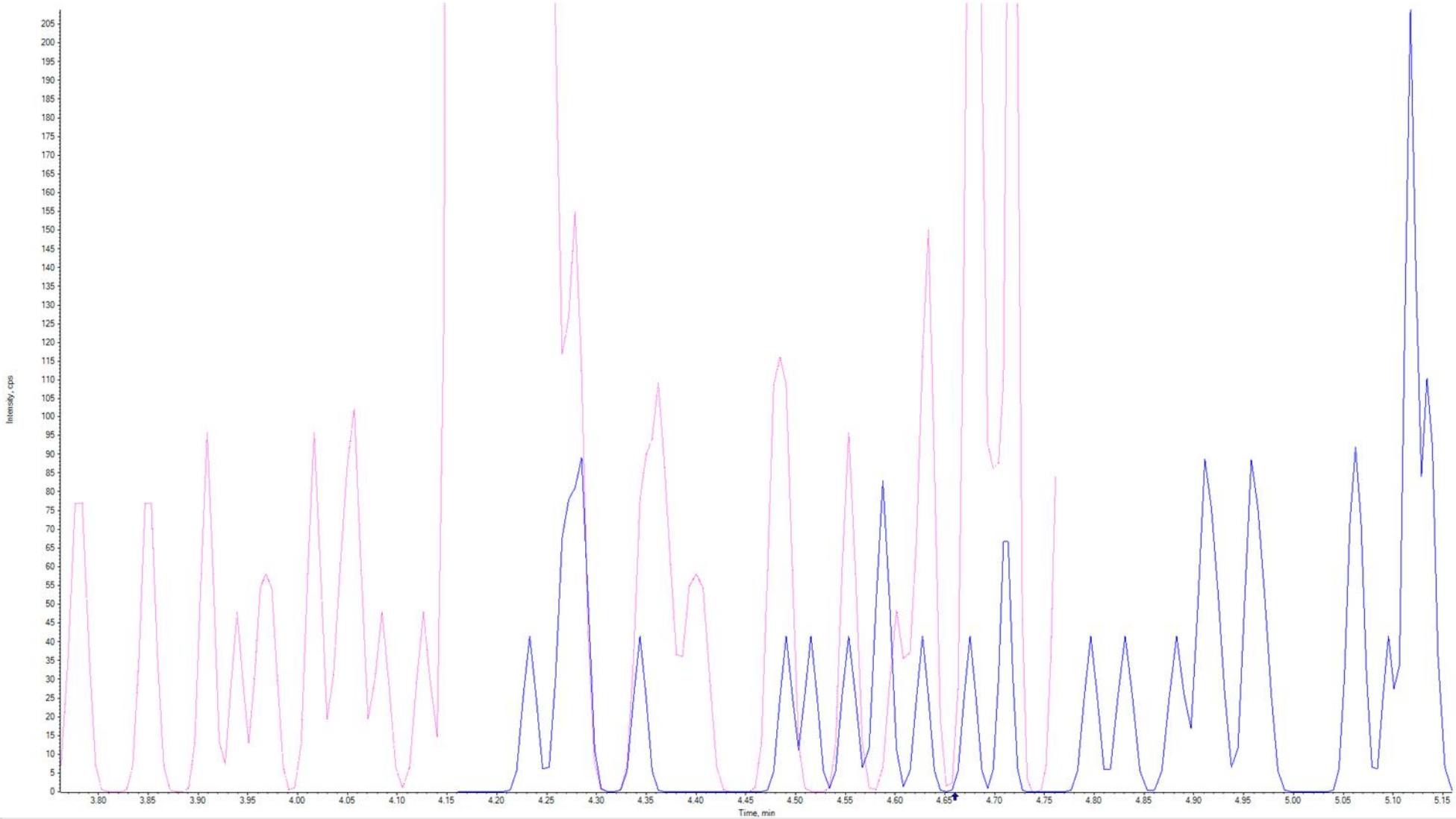

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFNS_2
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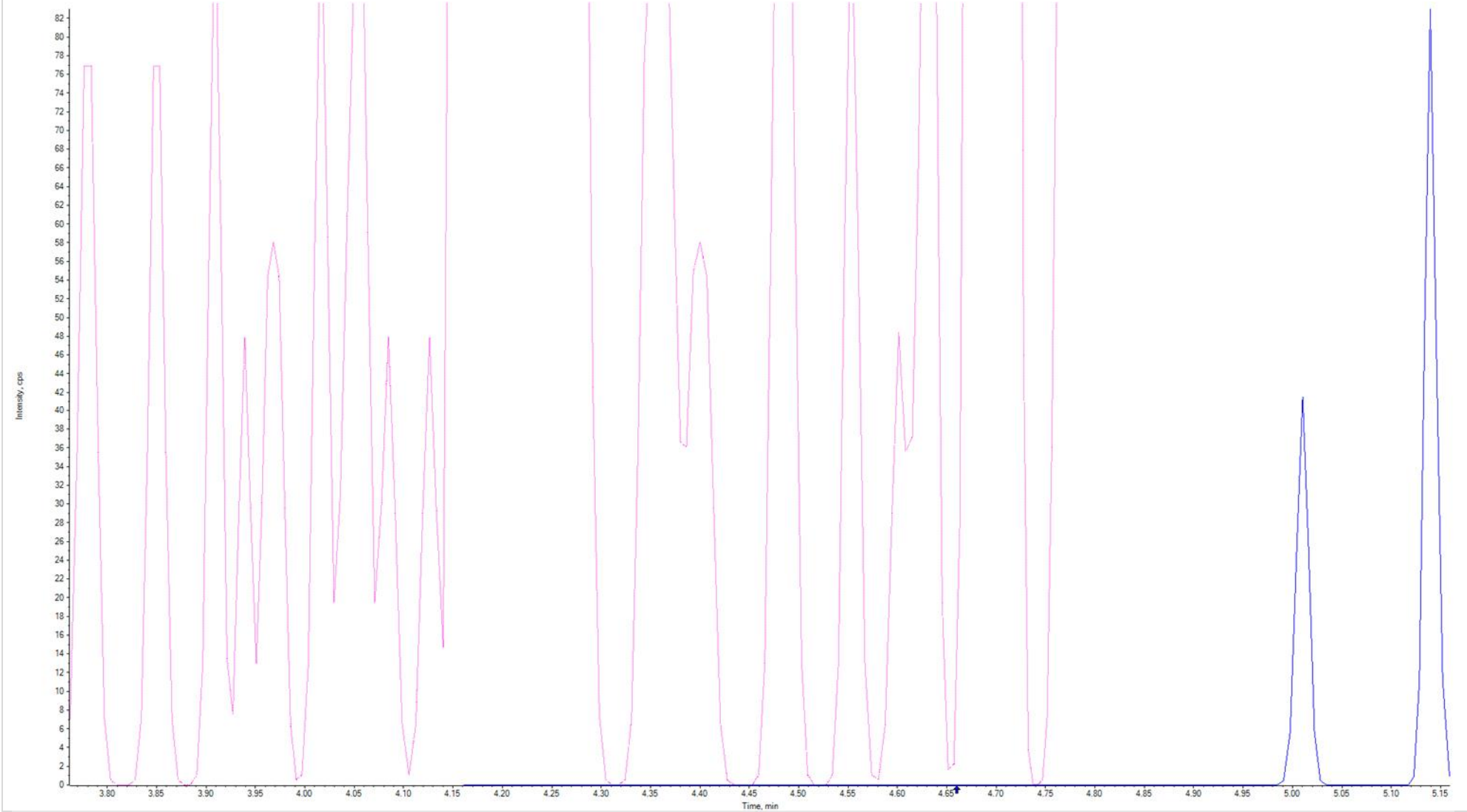

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PFDS
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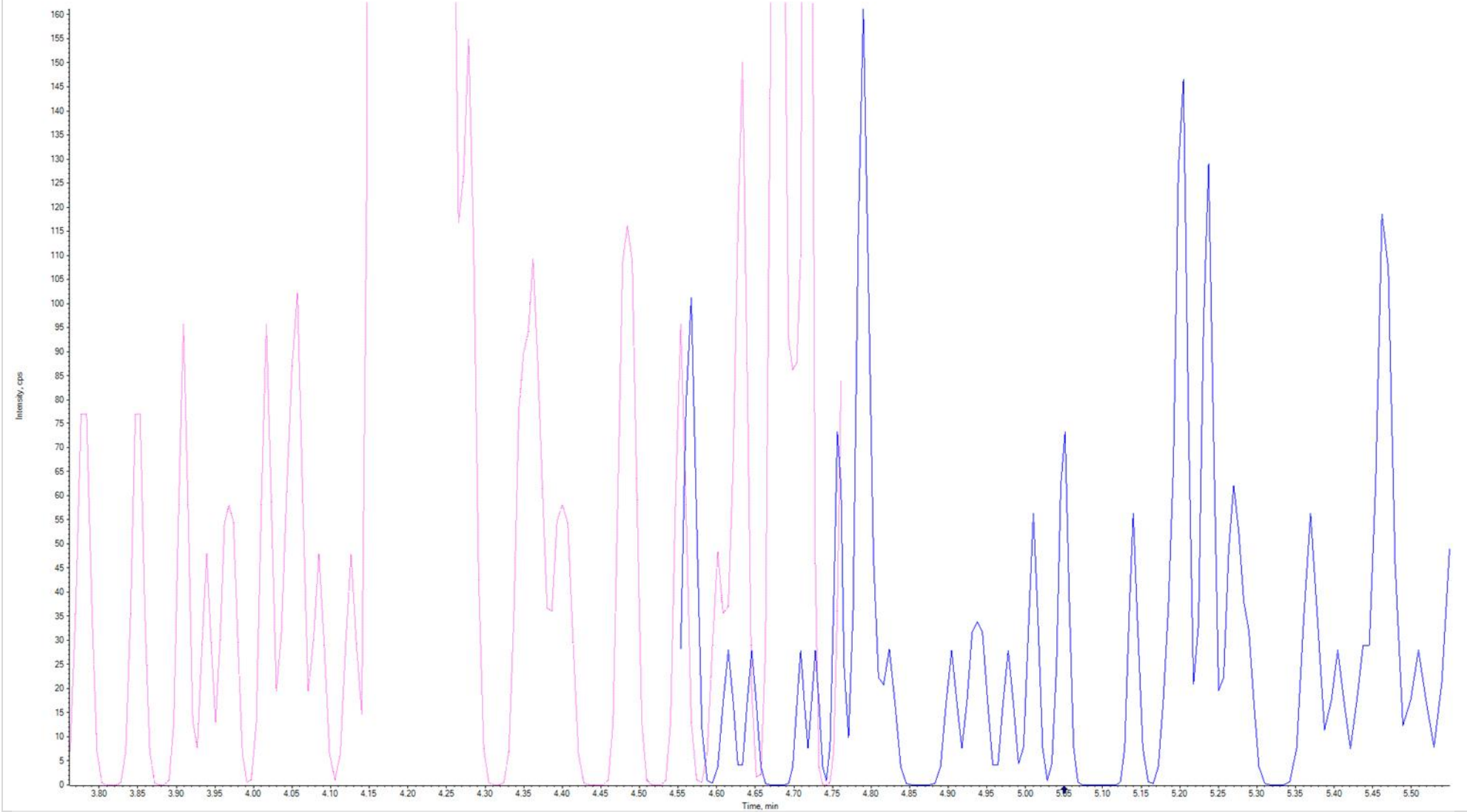

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PFDS_2
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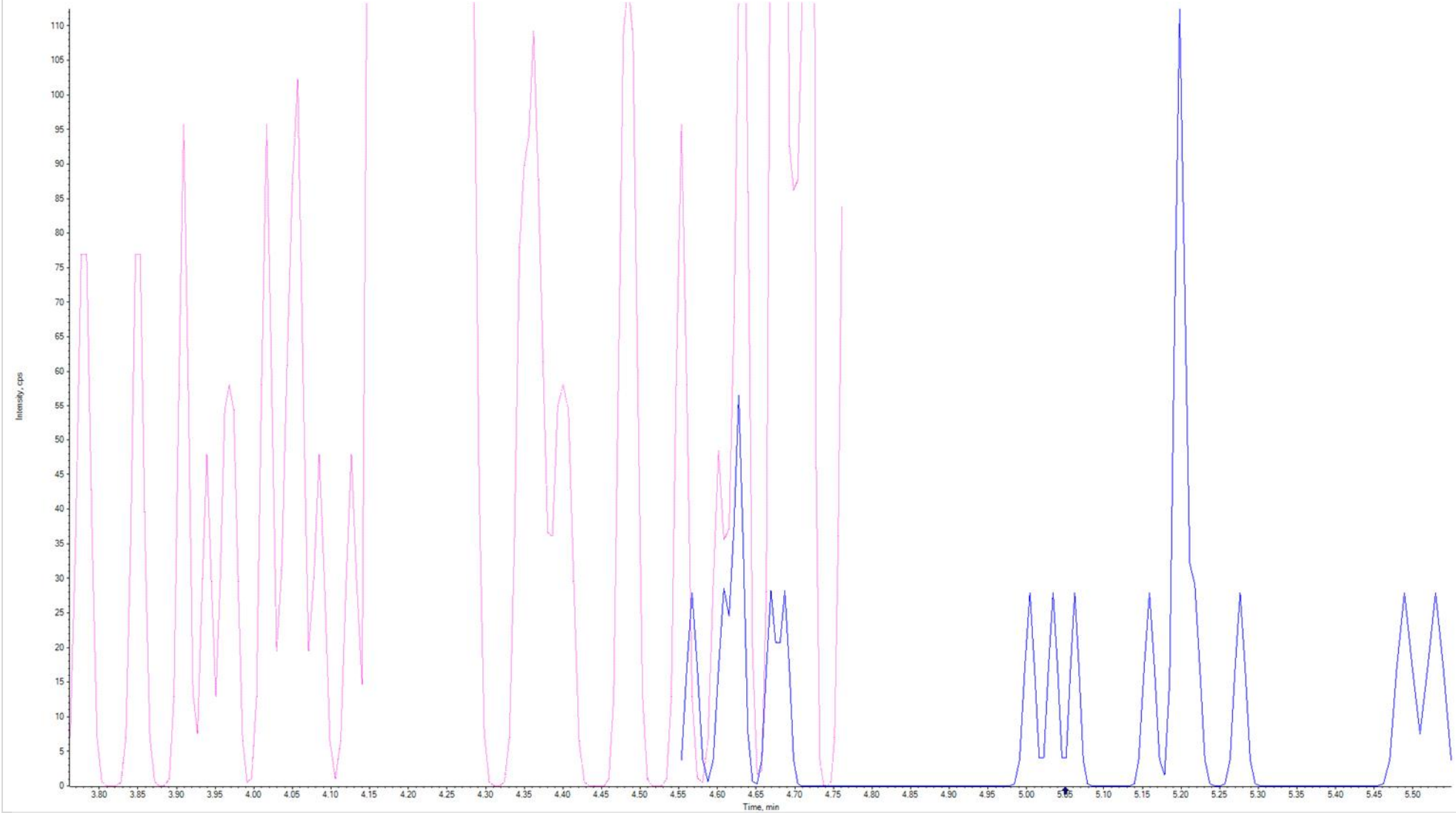
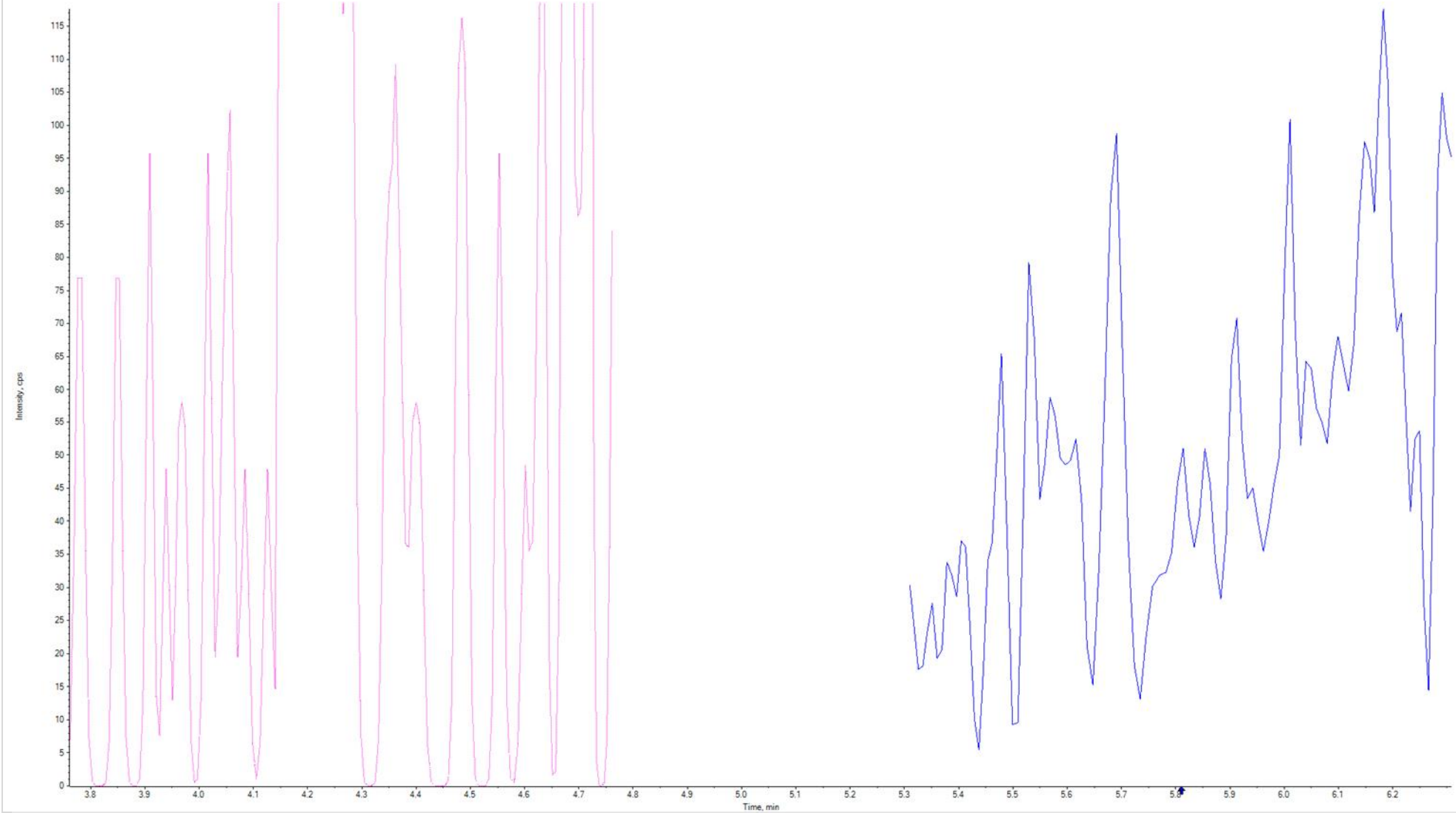


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_67.wiff2_6
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFDoS
Sample: WG2011107-1 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_67.wiff2_6
Last Altered: 12/19/2024 9:43:26 PM
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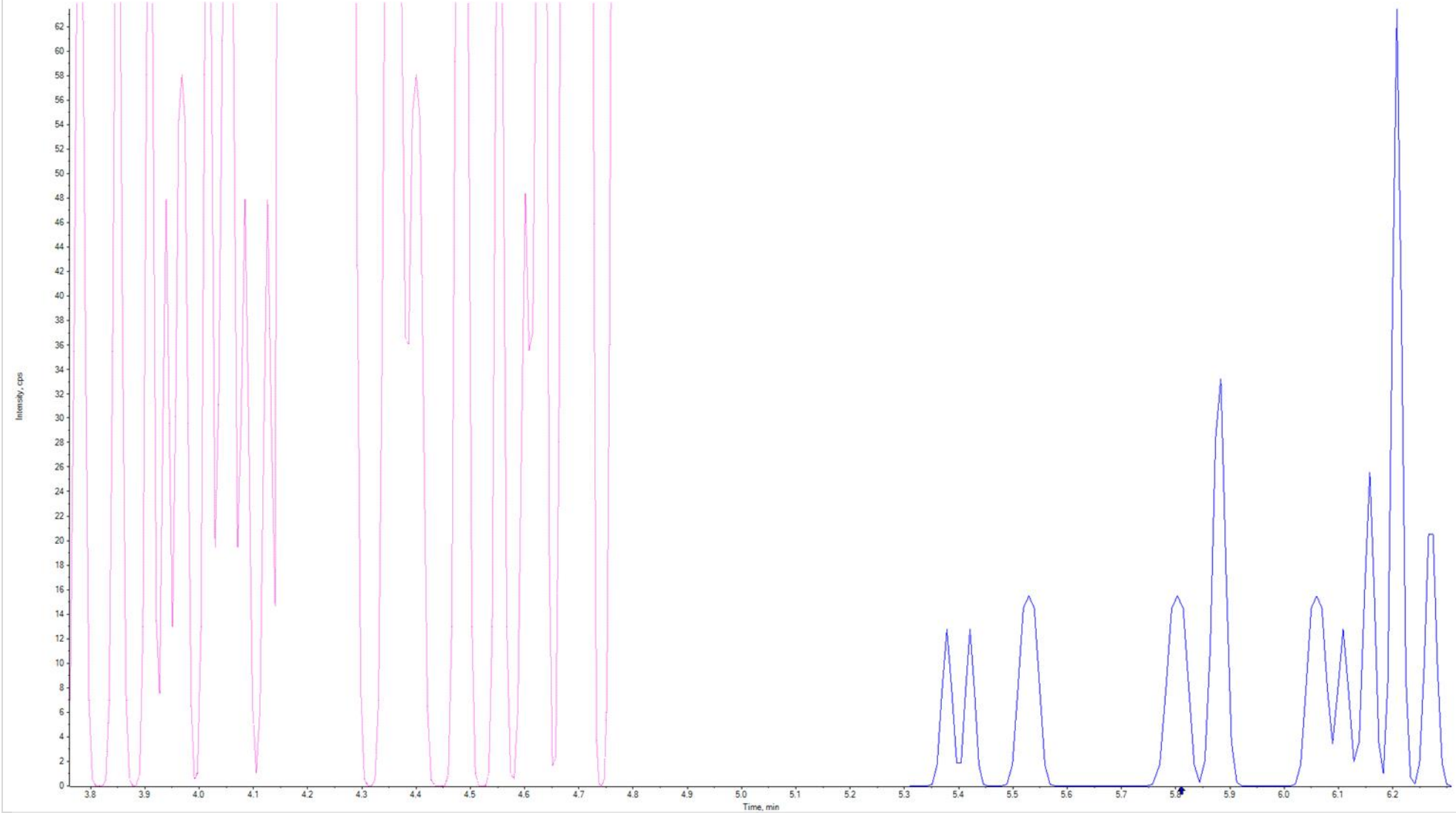
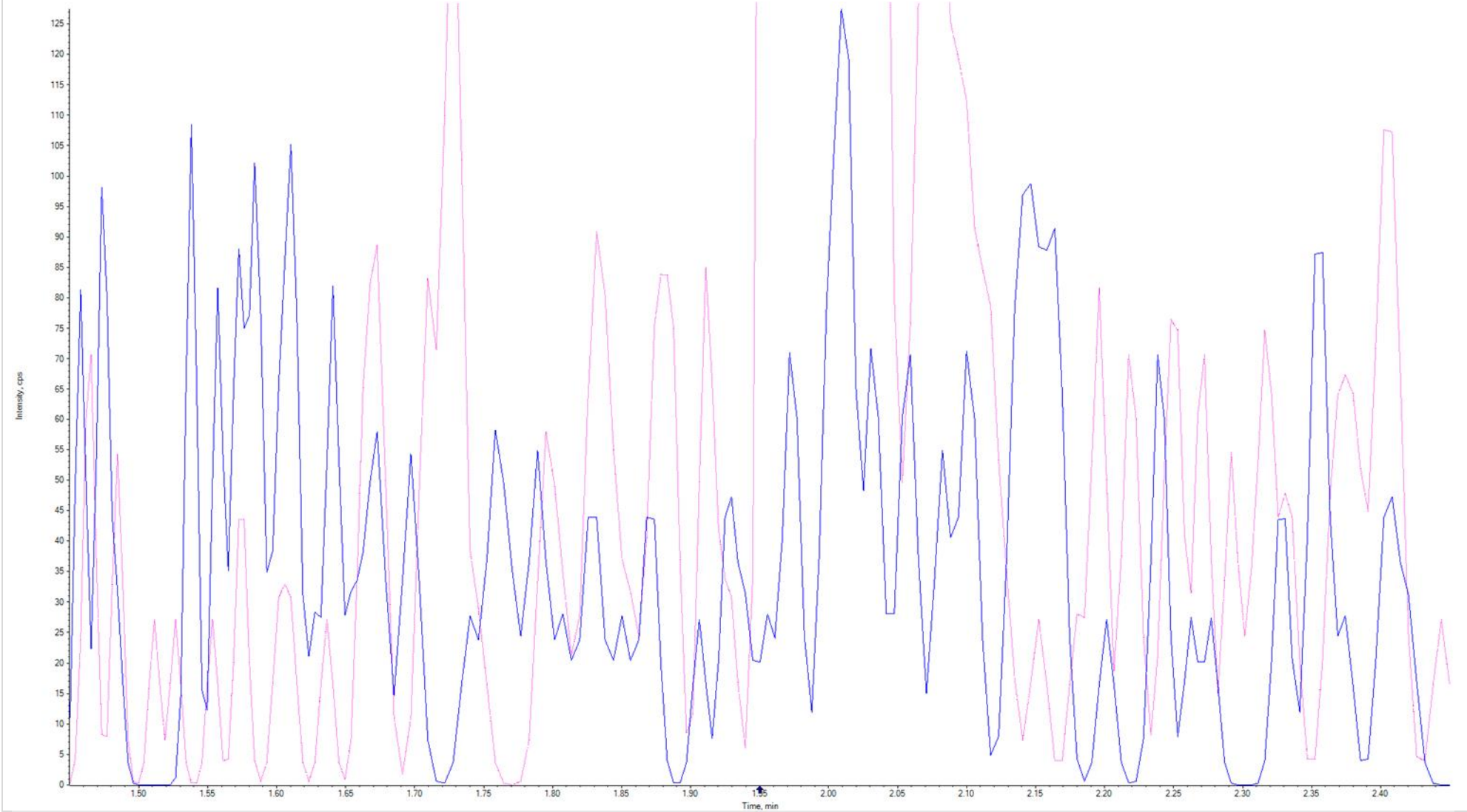
PFDoS_2
Sample: WG2011107-1 S/N:N/A Points Across peak:N/A



4:2FTS
Sample: WG2011107-1 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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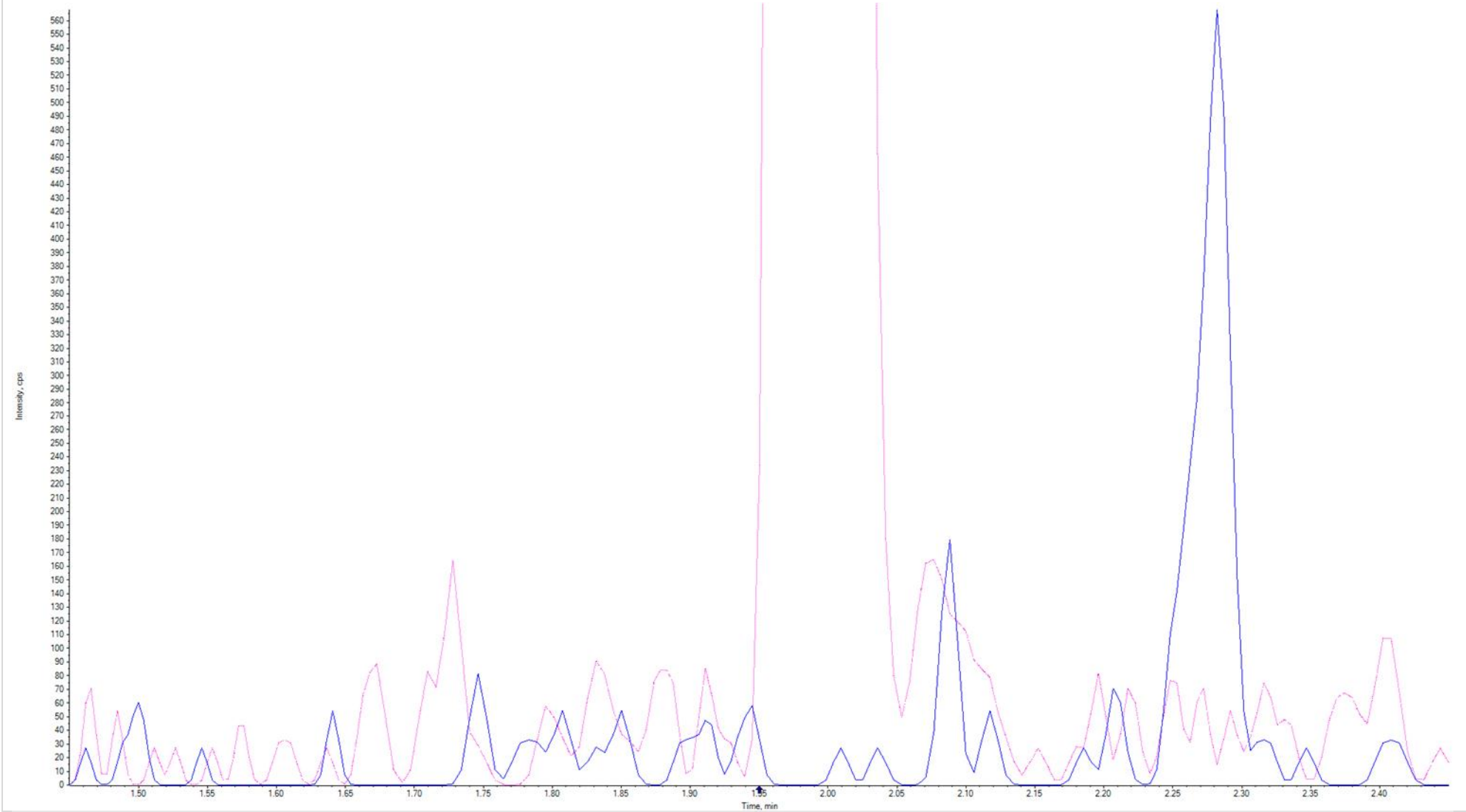
4:2FTS_2
Sample: WG2011107-1 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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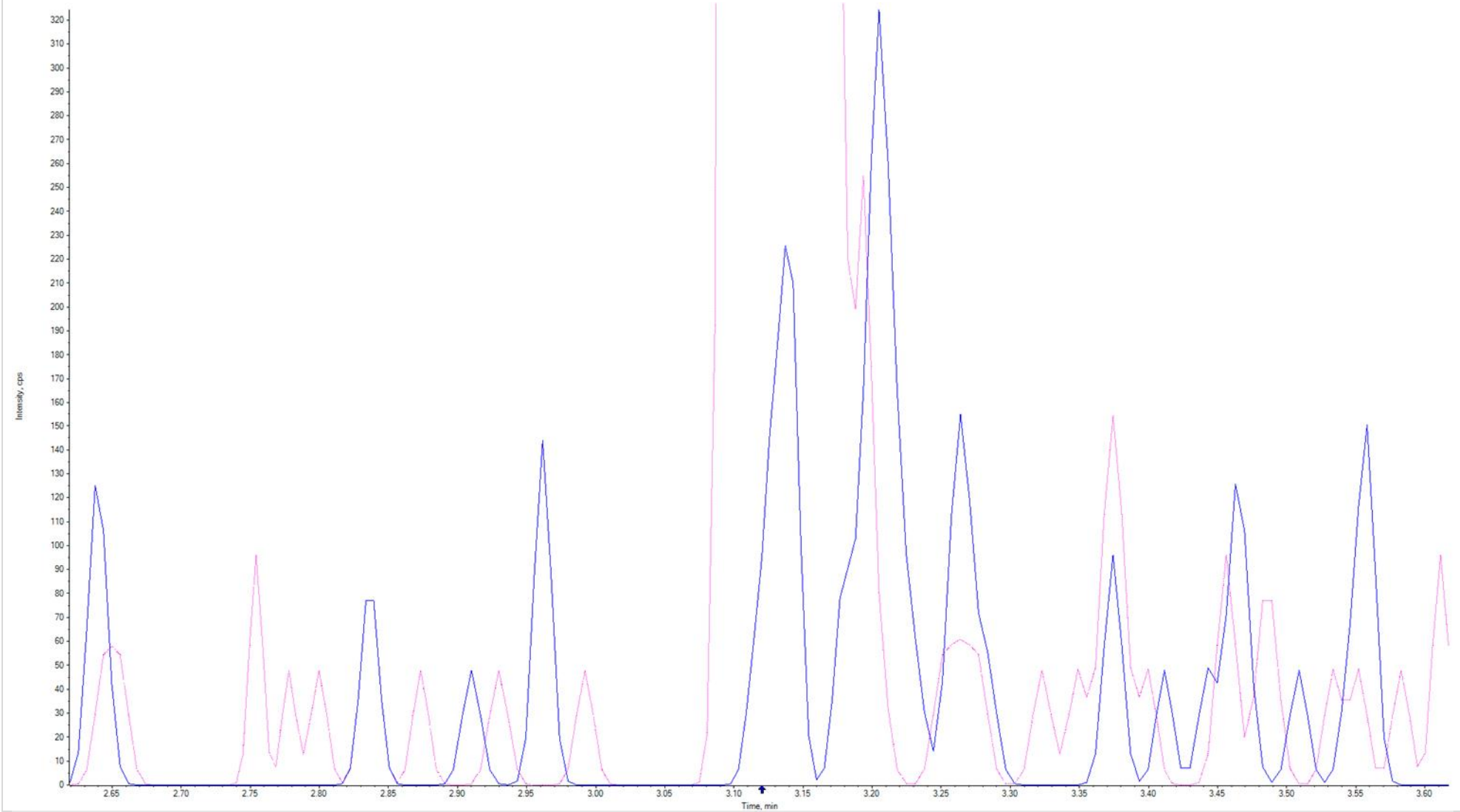
6:2FTS
Sample: WG2011107-1 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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6:2FTS_2
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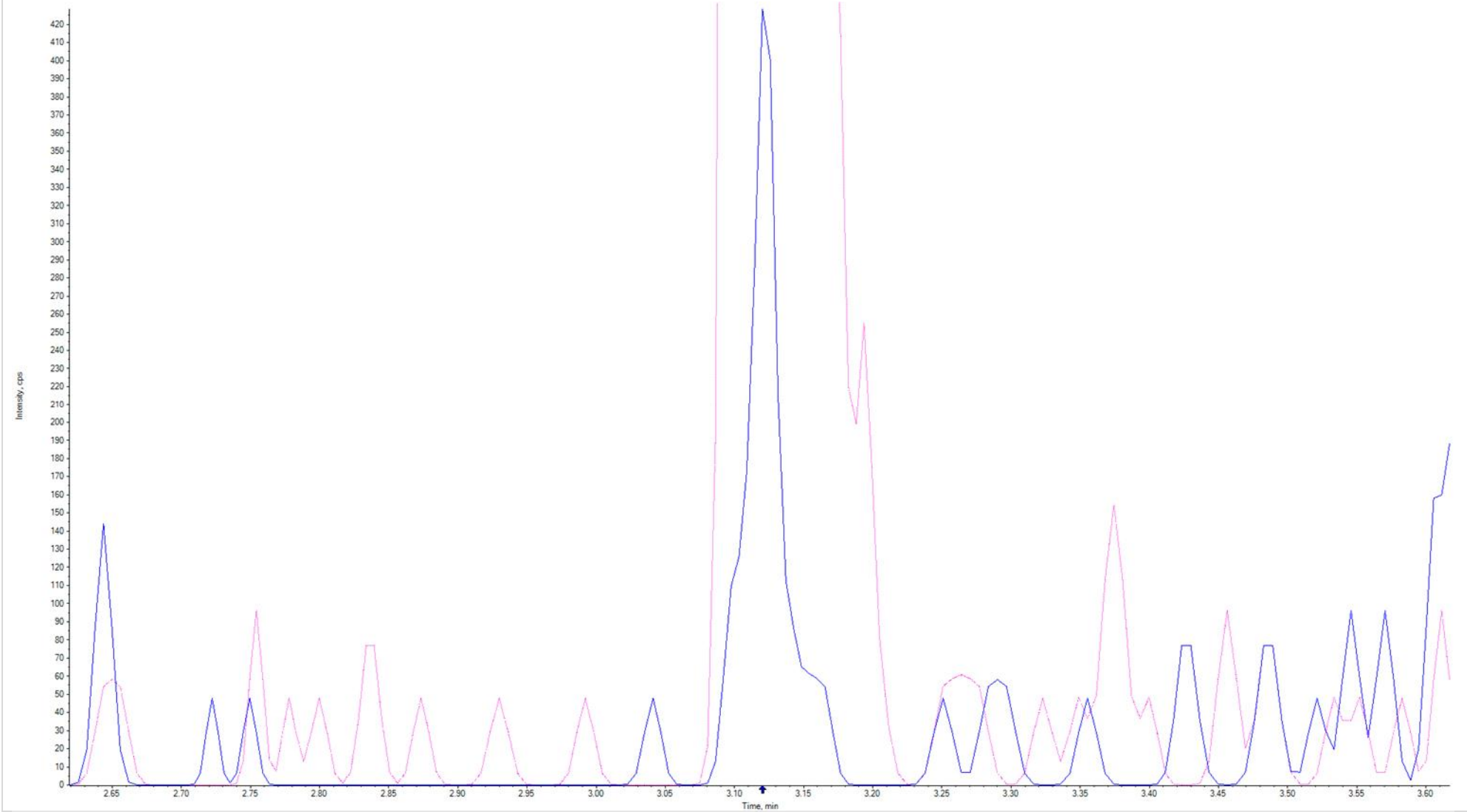

8:2FTS
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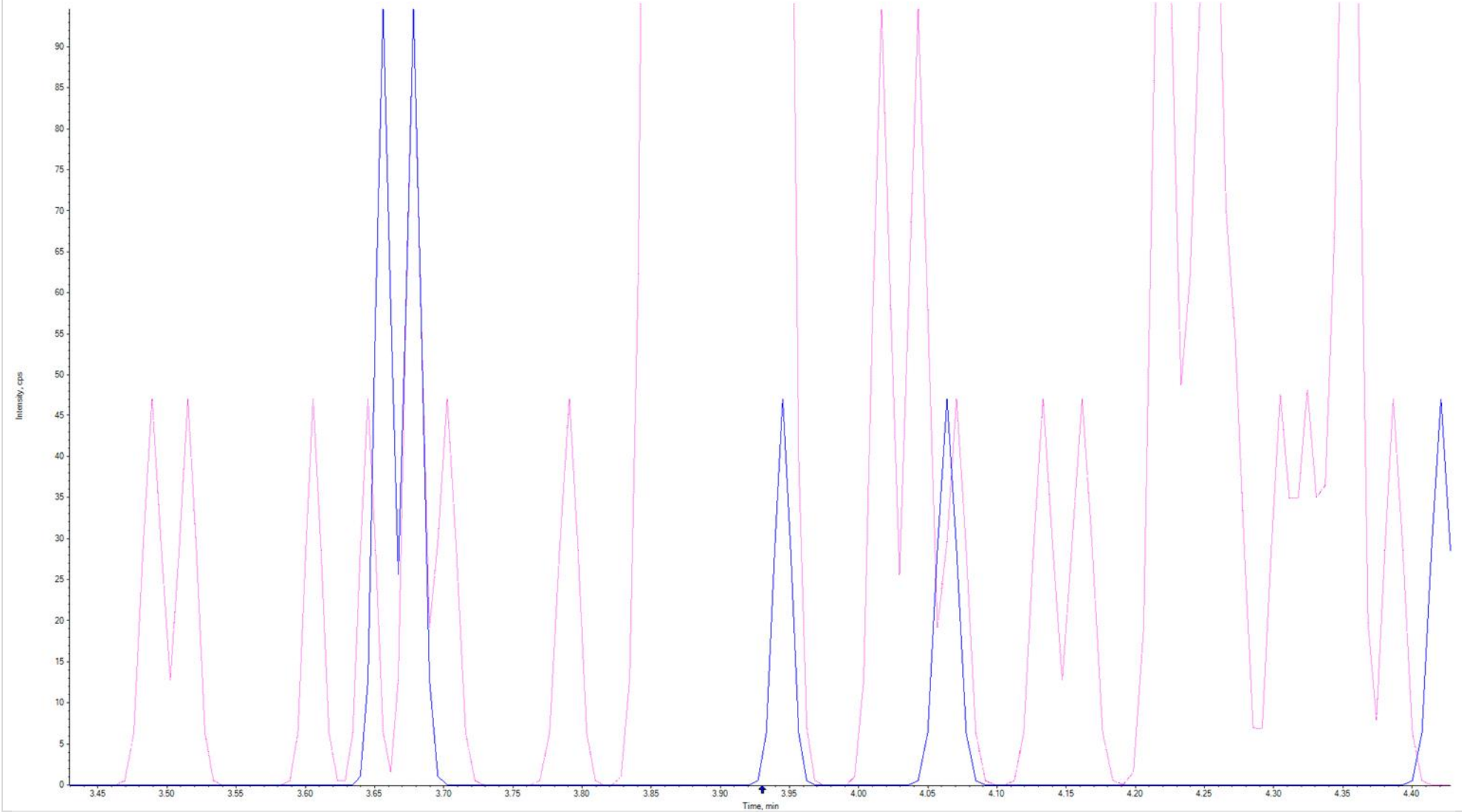

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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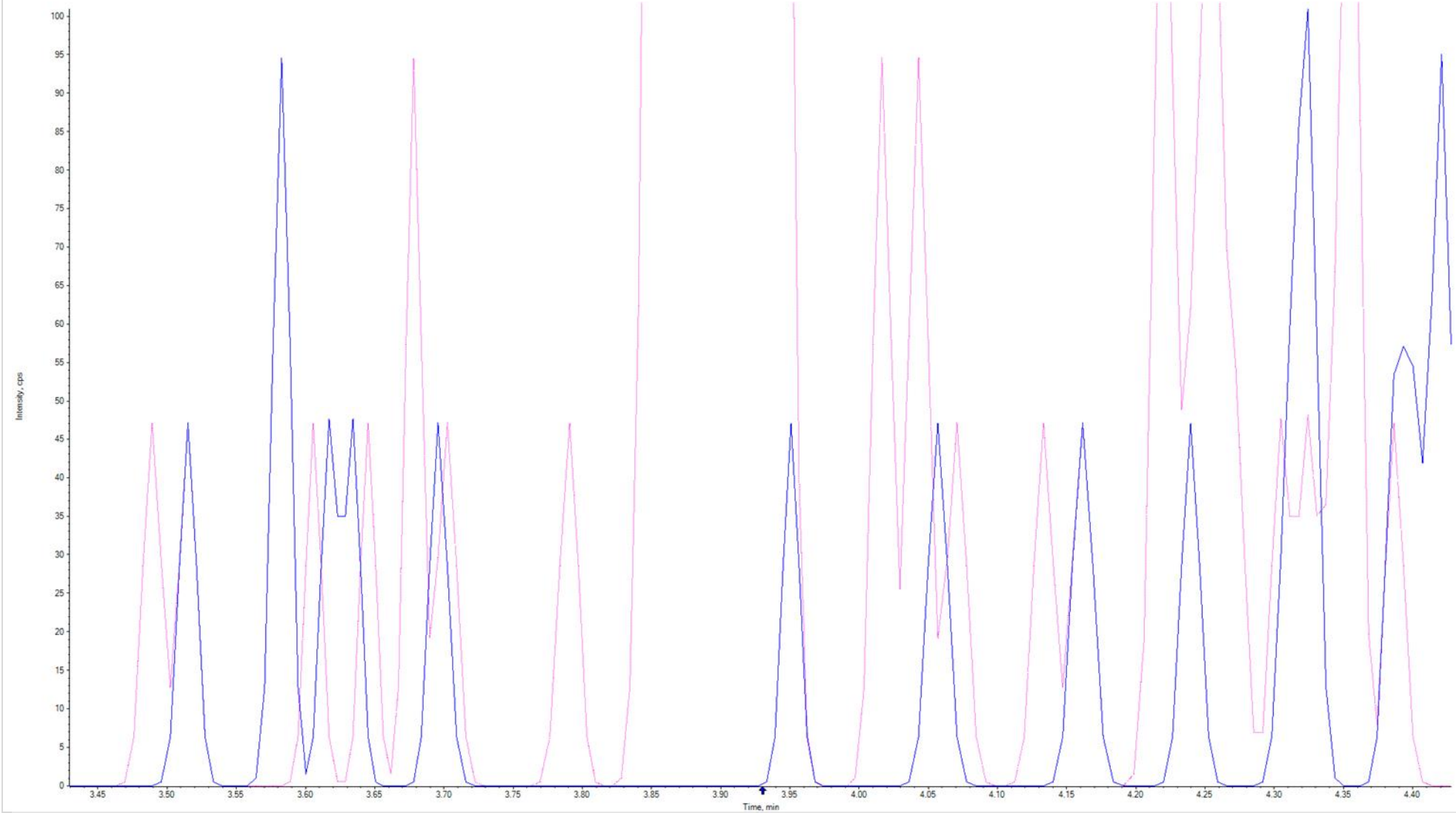
8:2FTS_2
Sample: WG2011107-1 S/N:N/A Points Across peak:N/A



PFOSA
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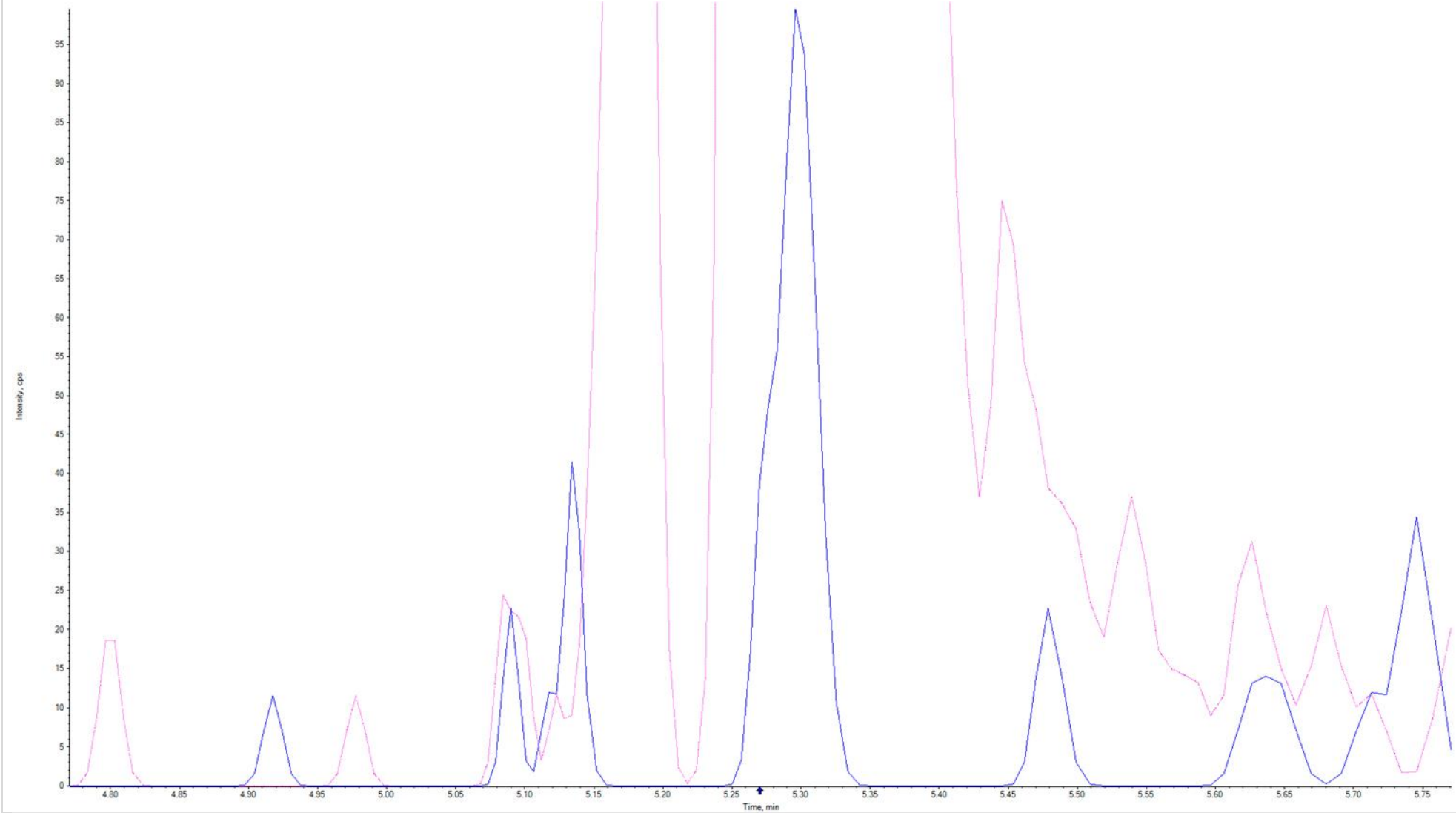

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PFOSA_2
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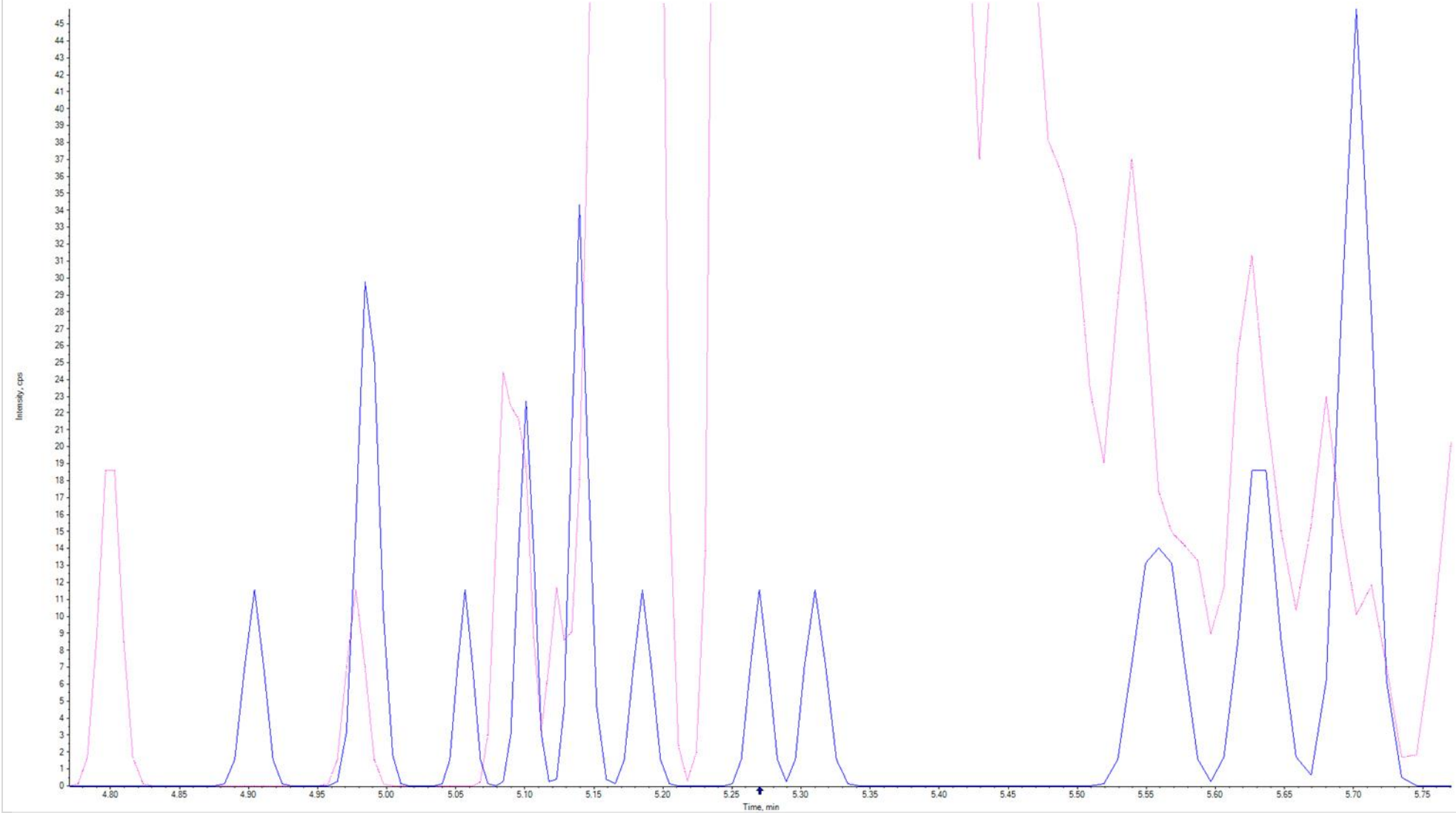

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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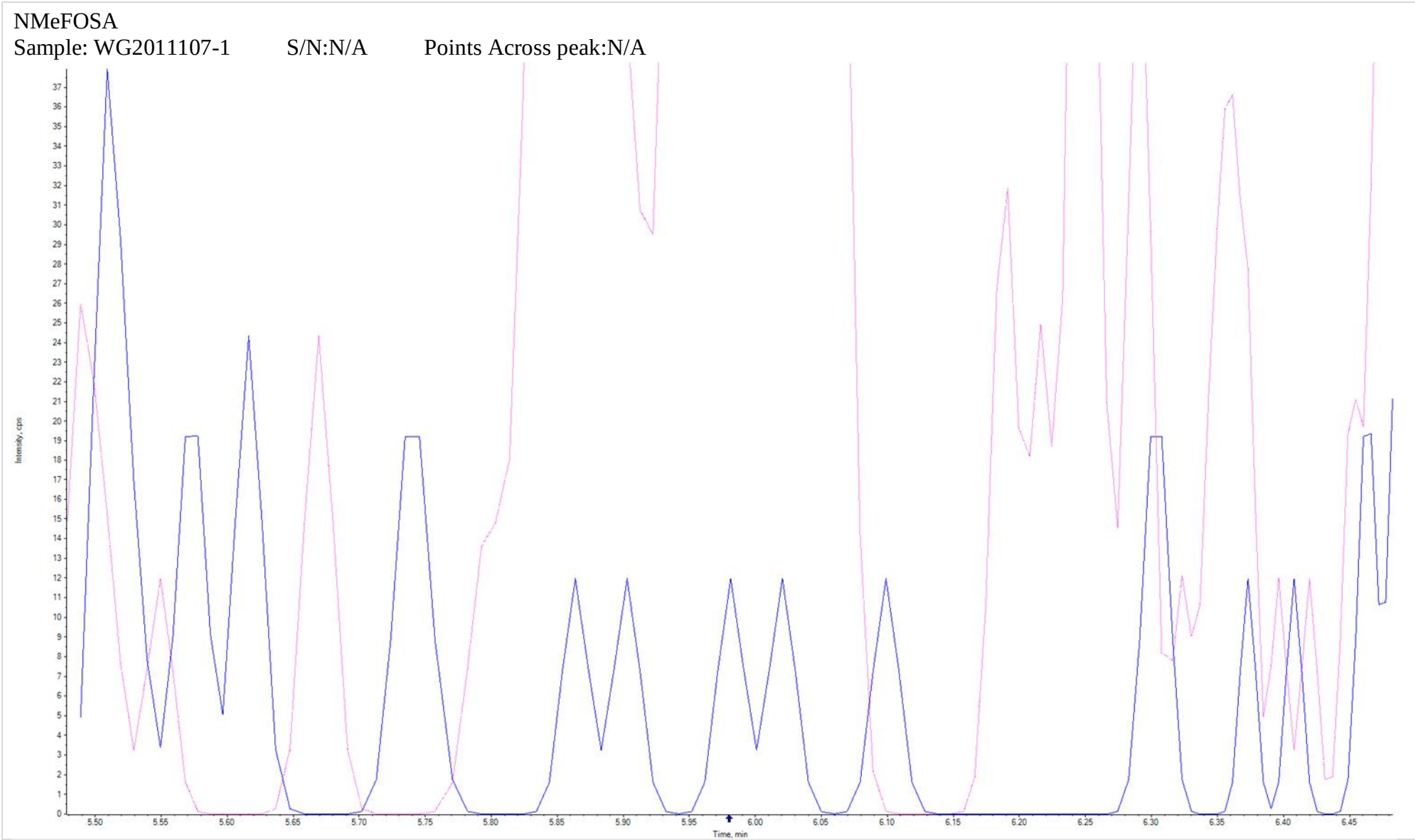
Generated: 12/19/2024 2:27:31 PM

NMeFOSA
Sample: WG2011107-1 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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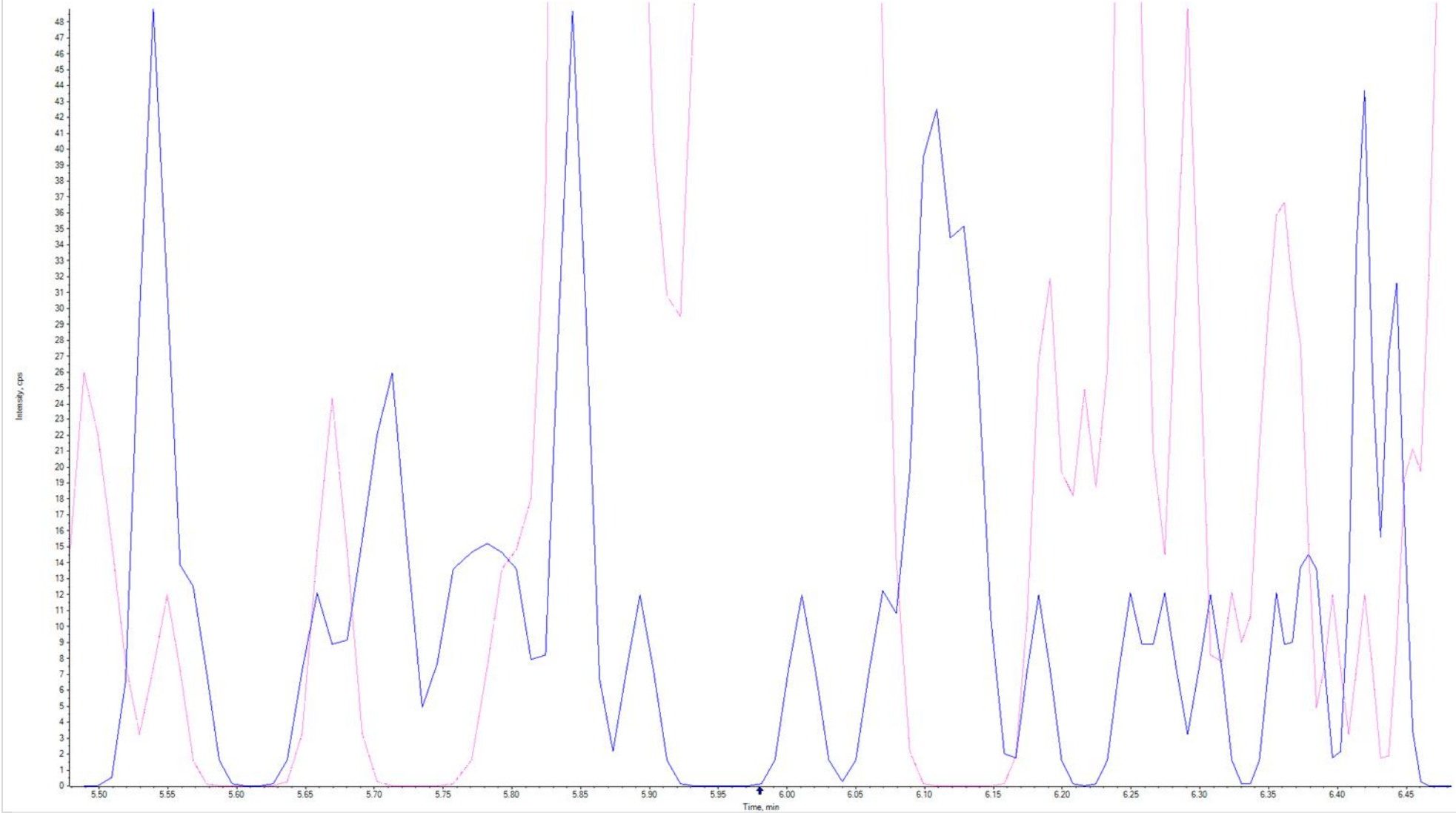
NMeFOSA_2
Sample: WG2011107-1 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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NEtFOSA
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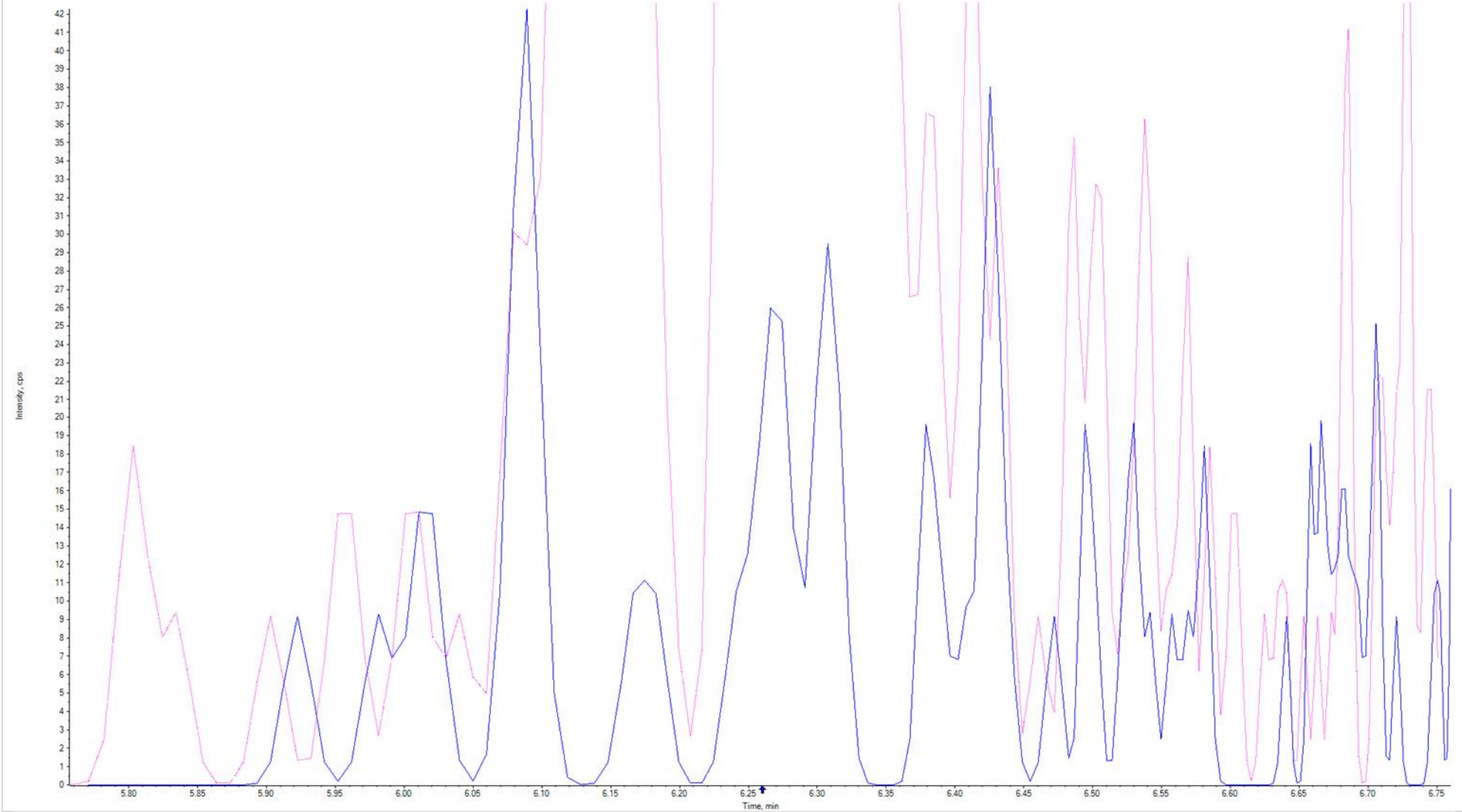

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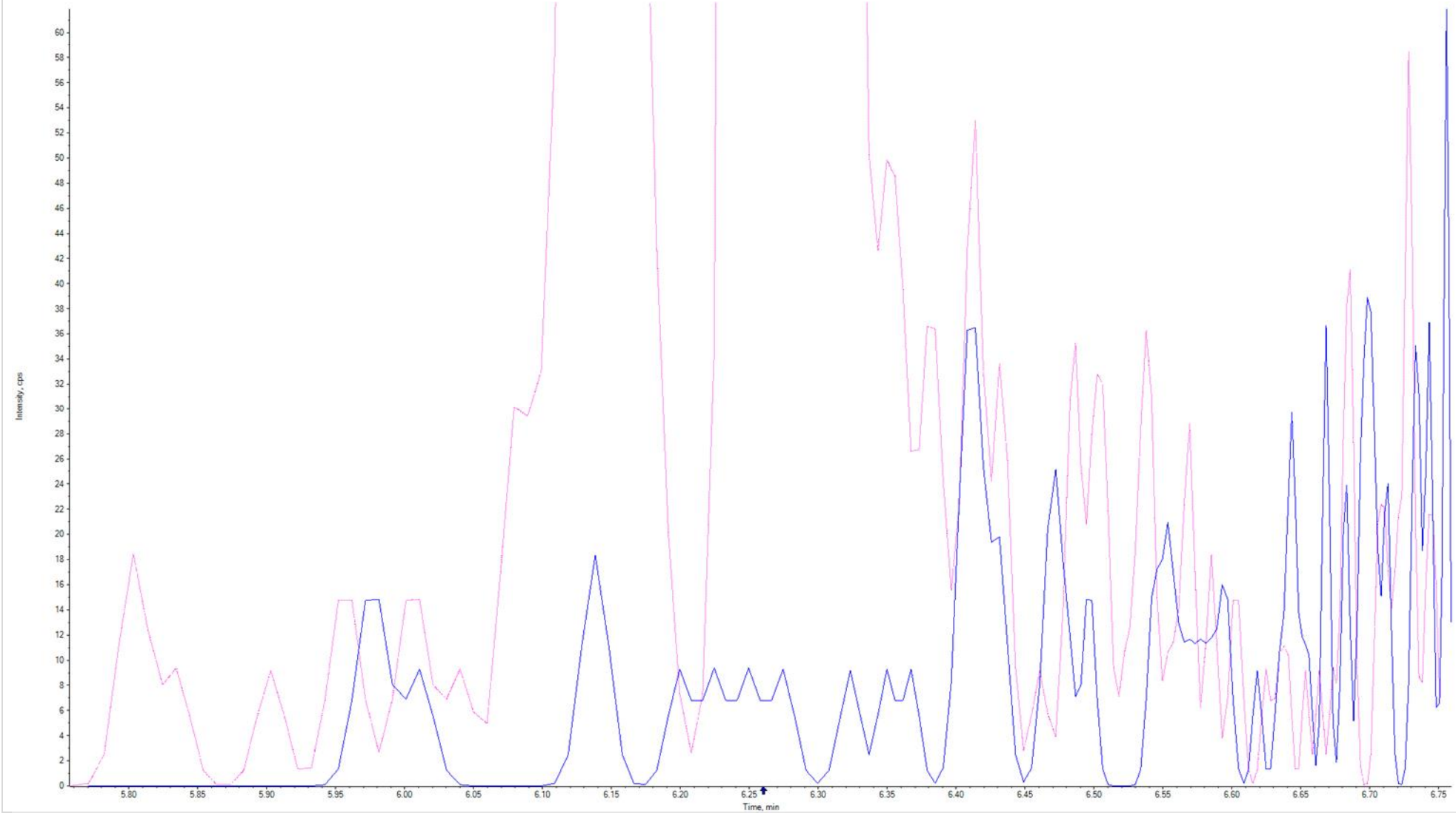

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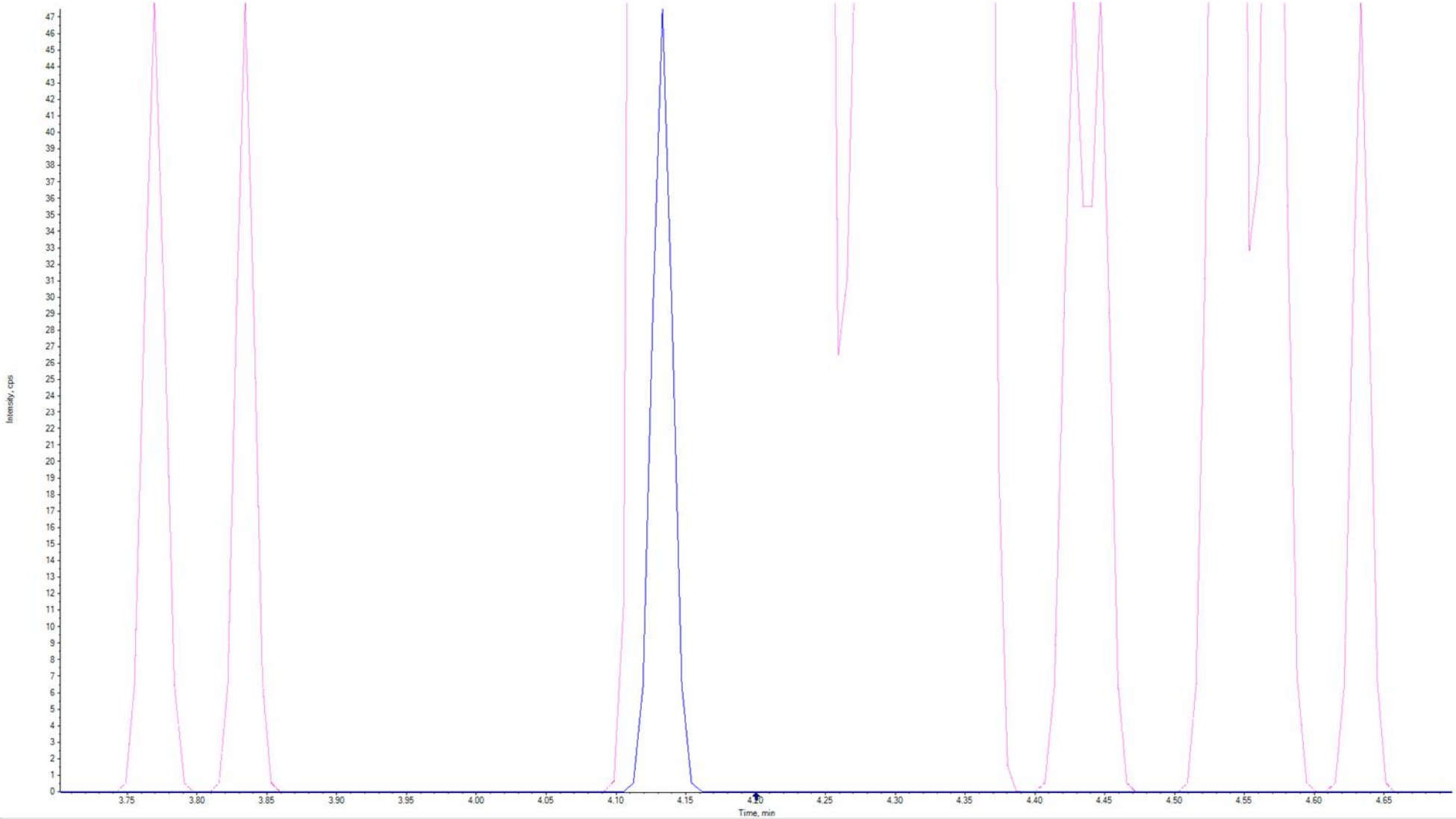

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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NMeFOSAA_2
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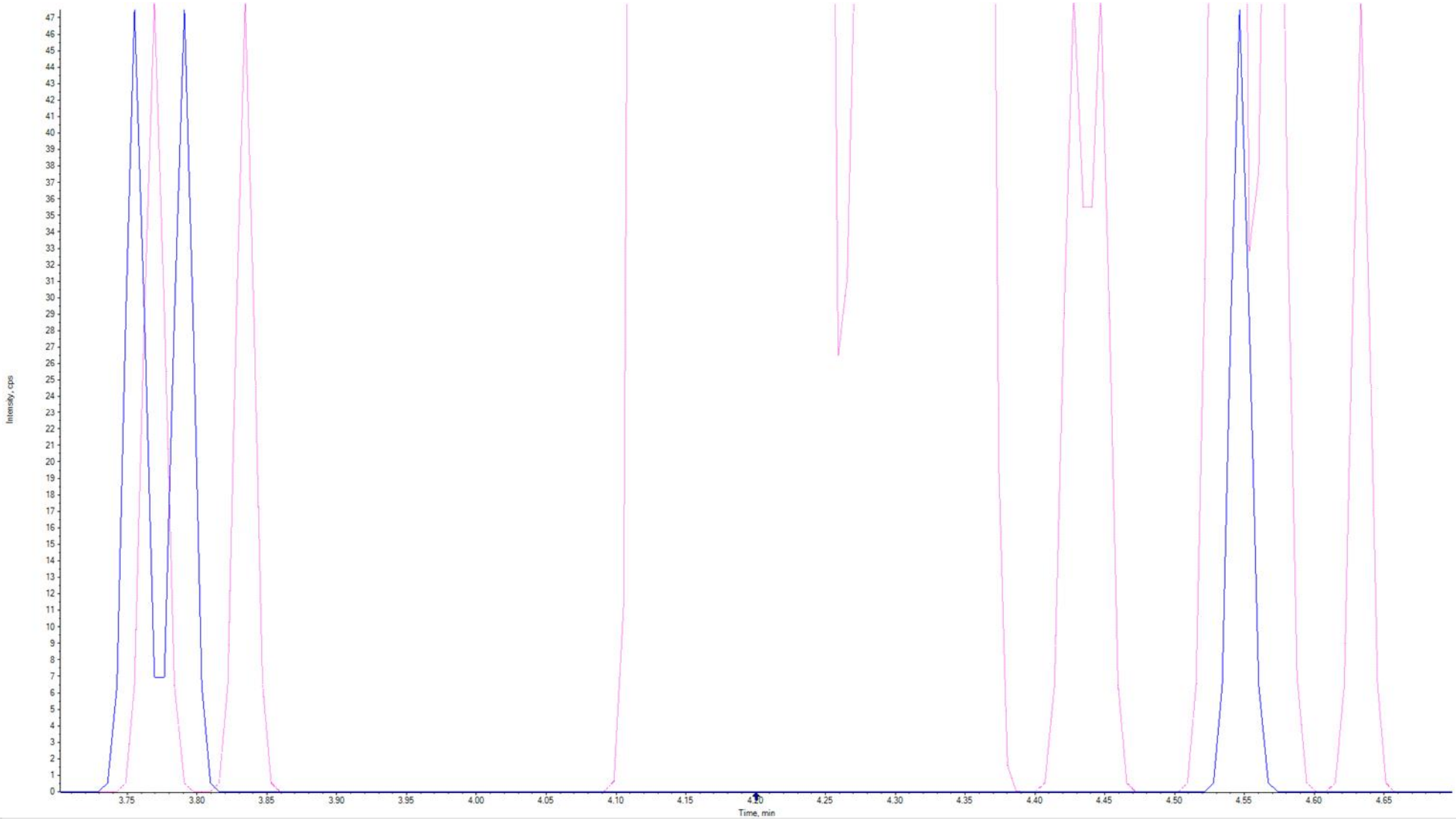

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NEtFOSAA
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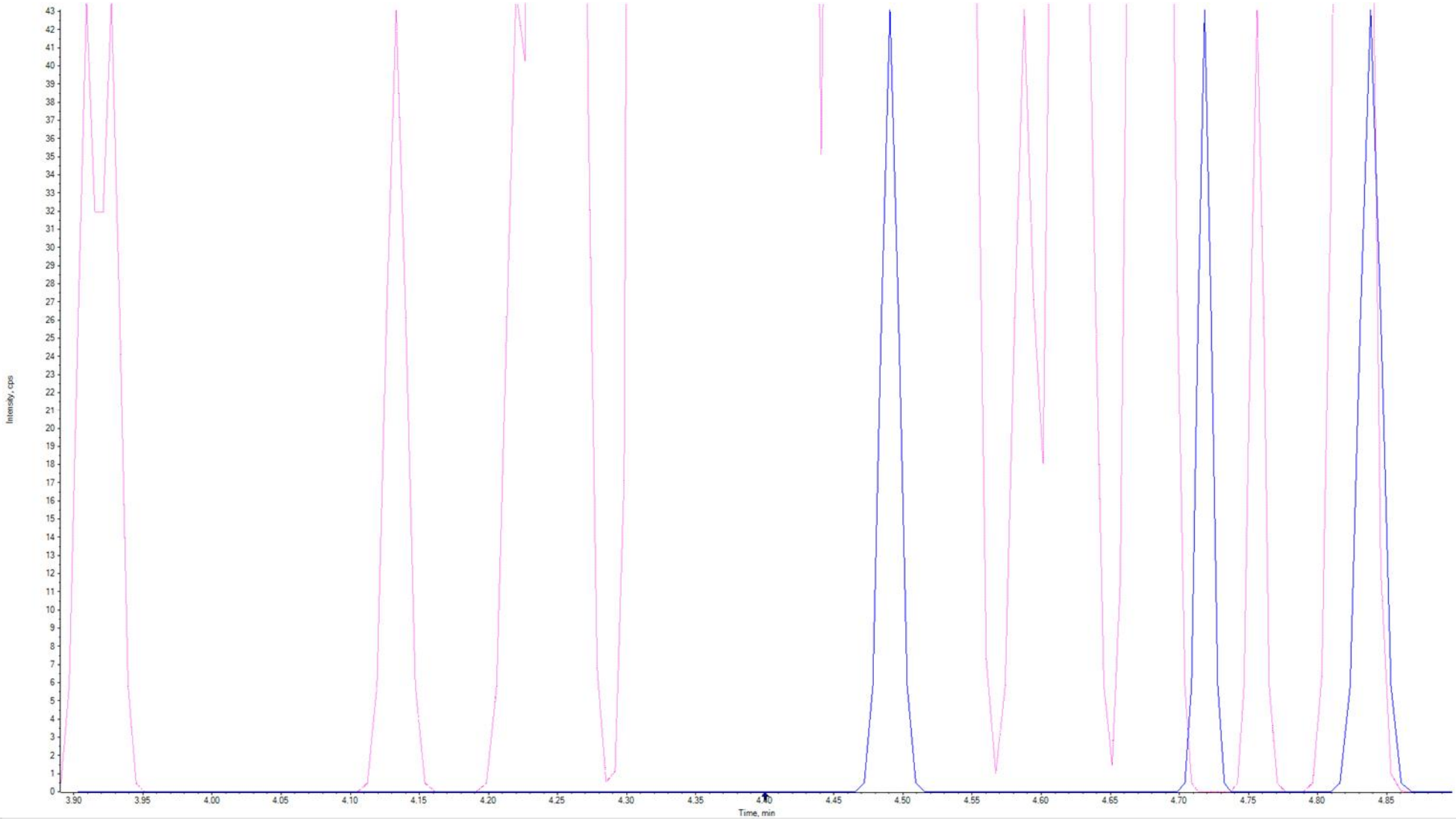

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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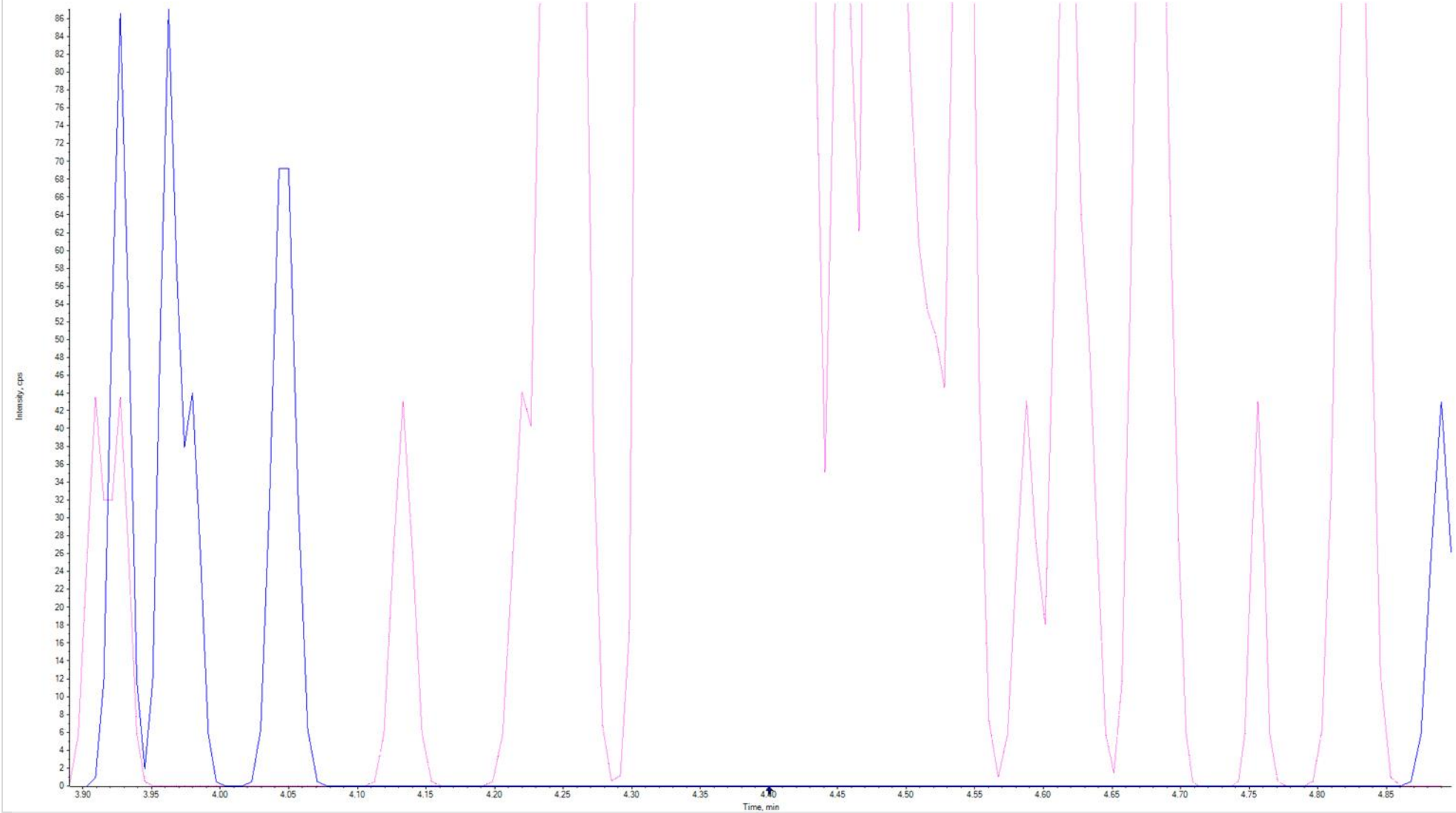

NMeFOSE
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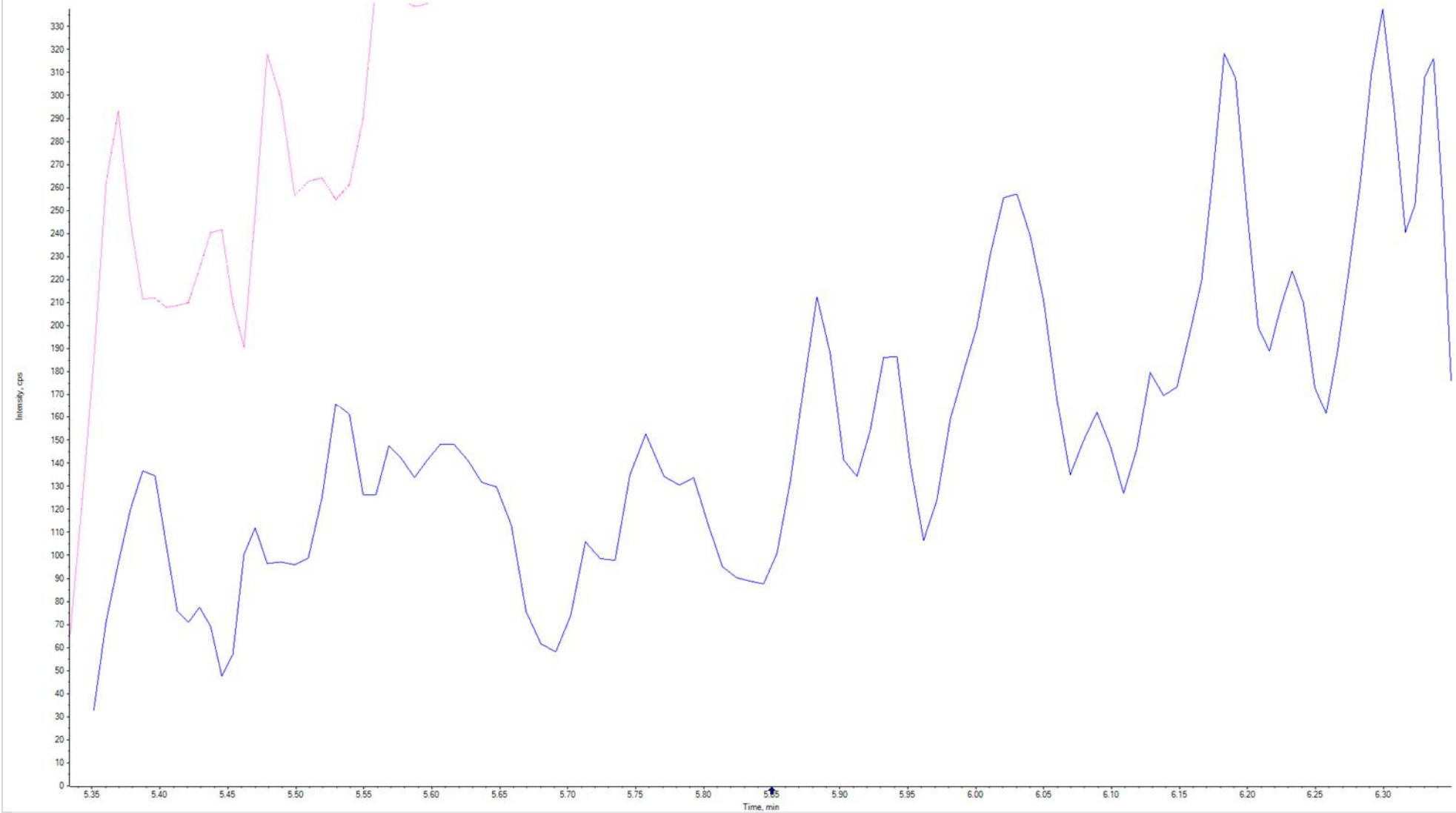

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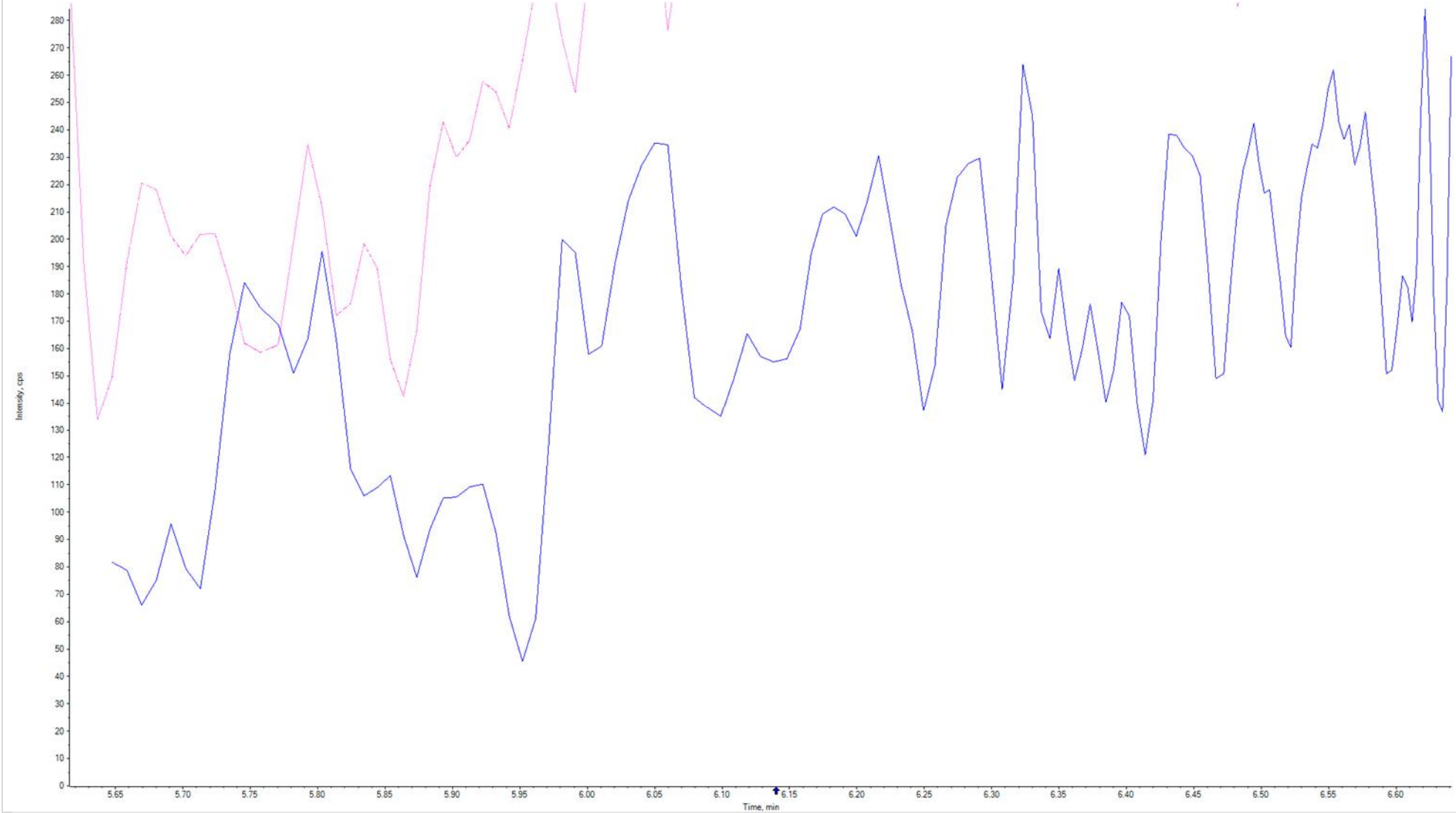

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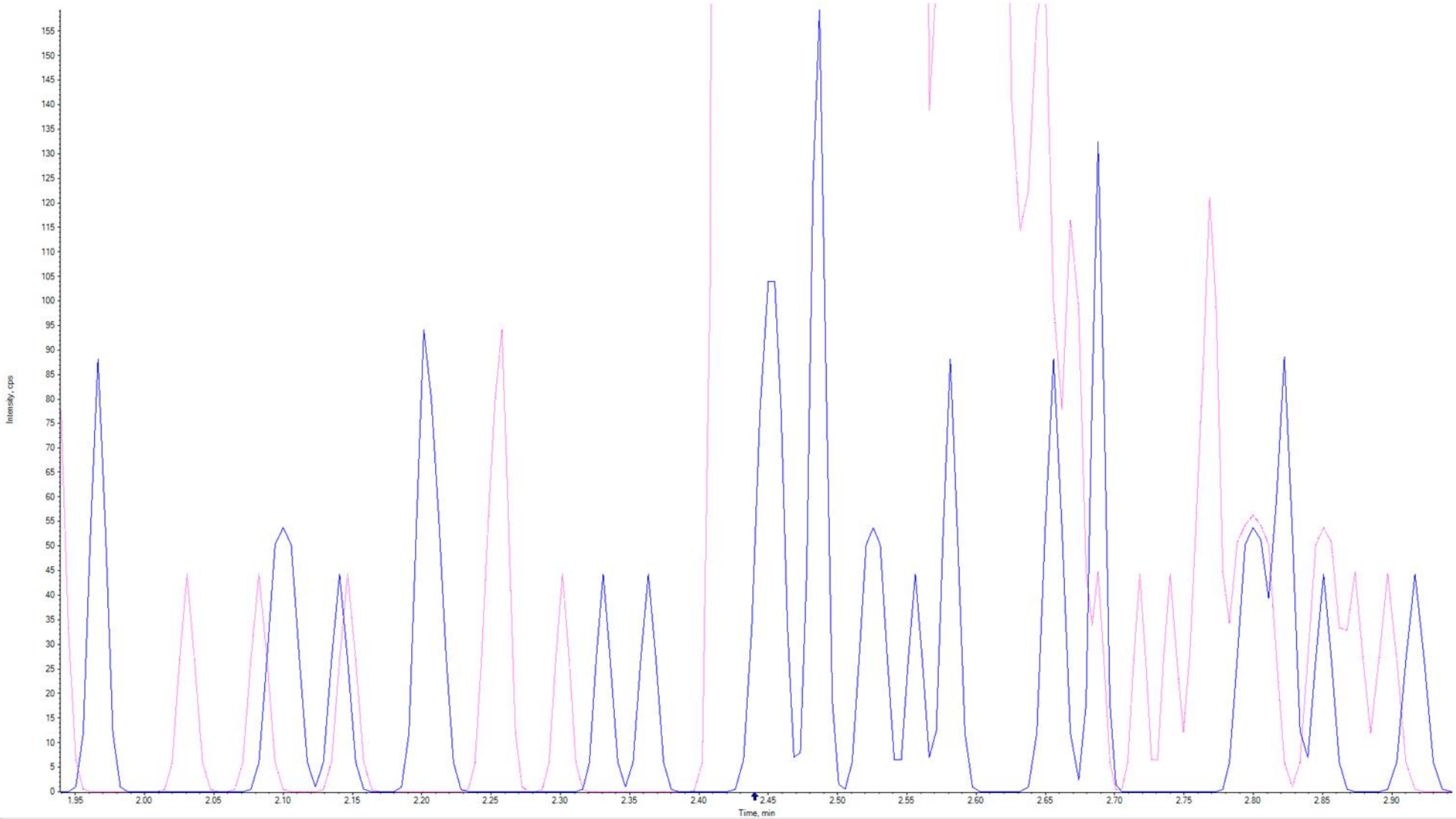

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HFPO-DA_2
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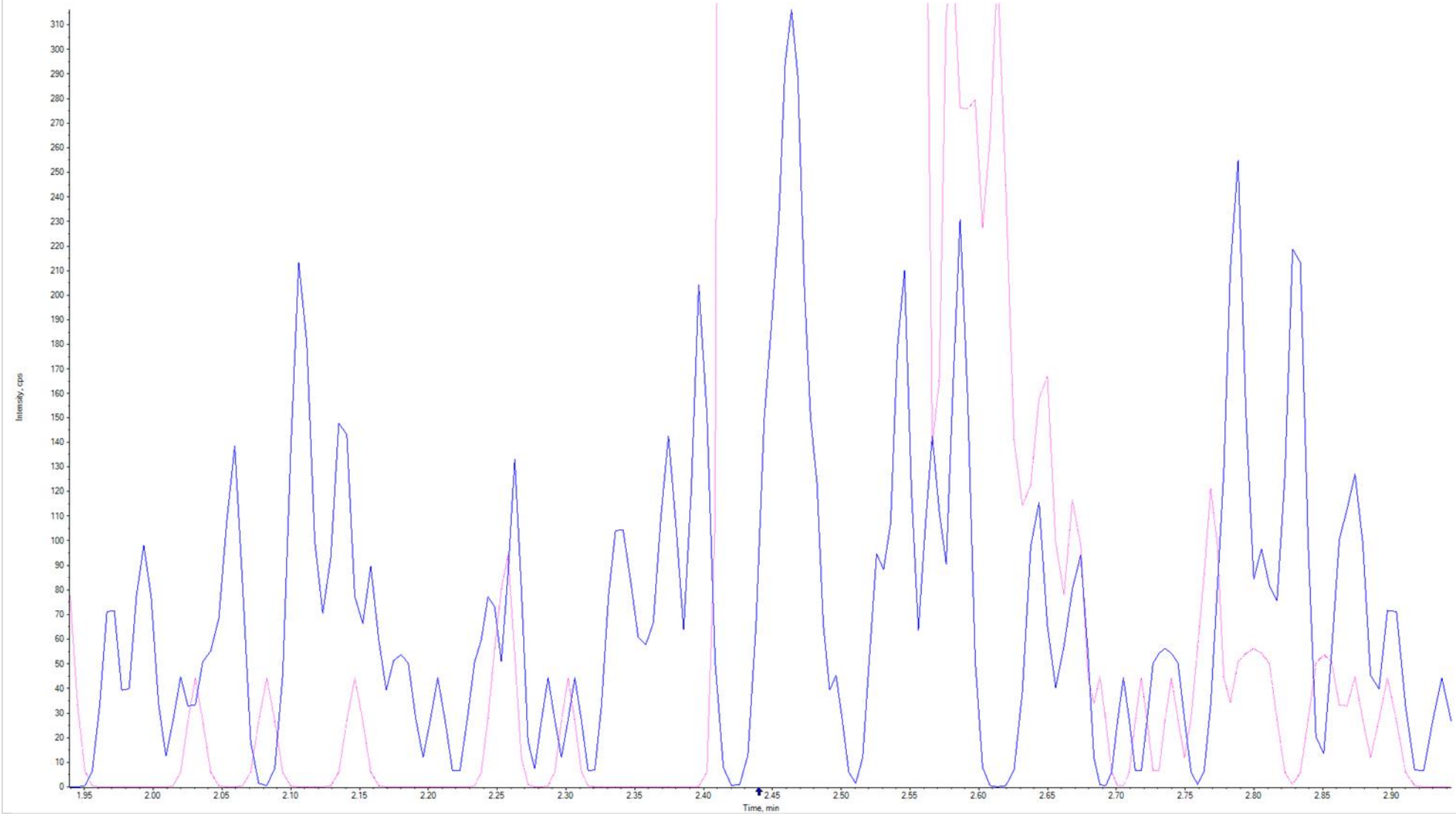

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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ADONA
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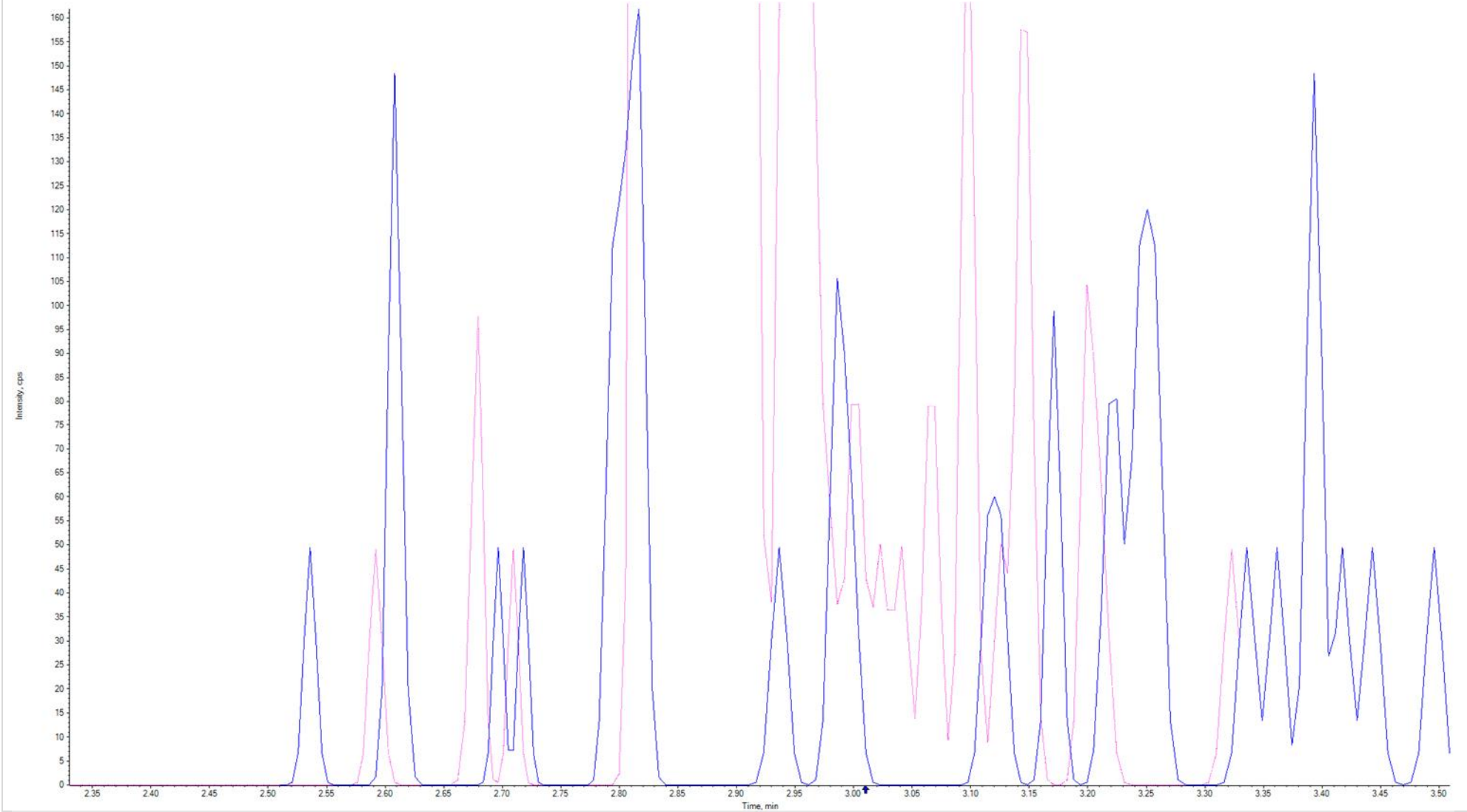

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ADONA_2
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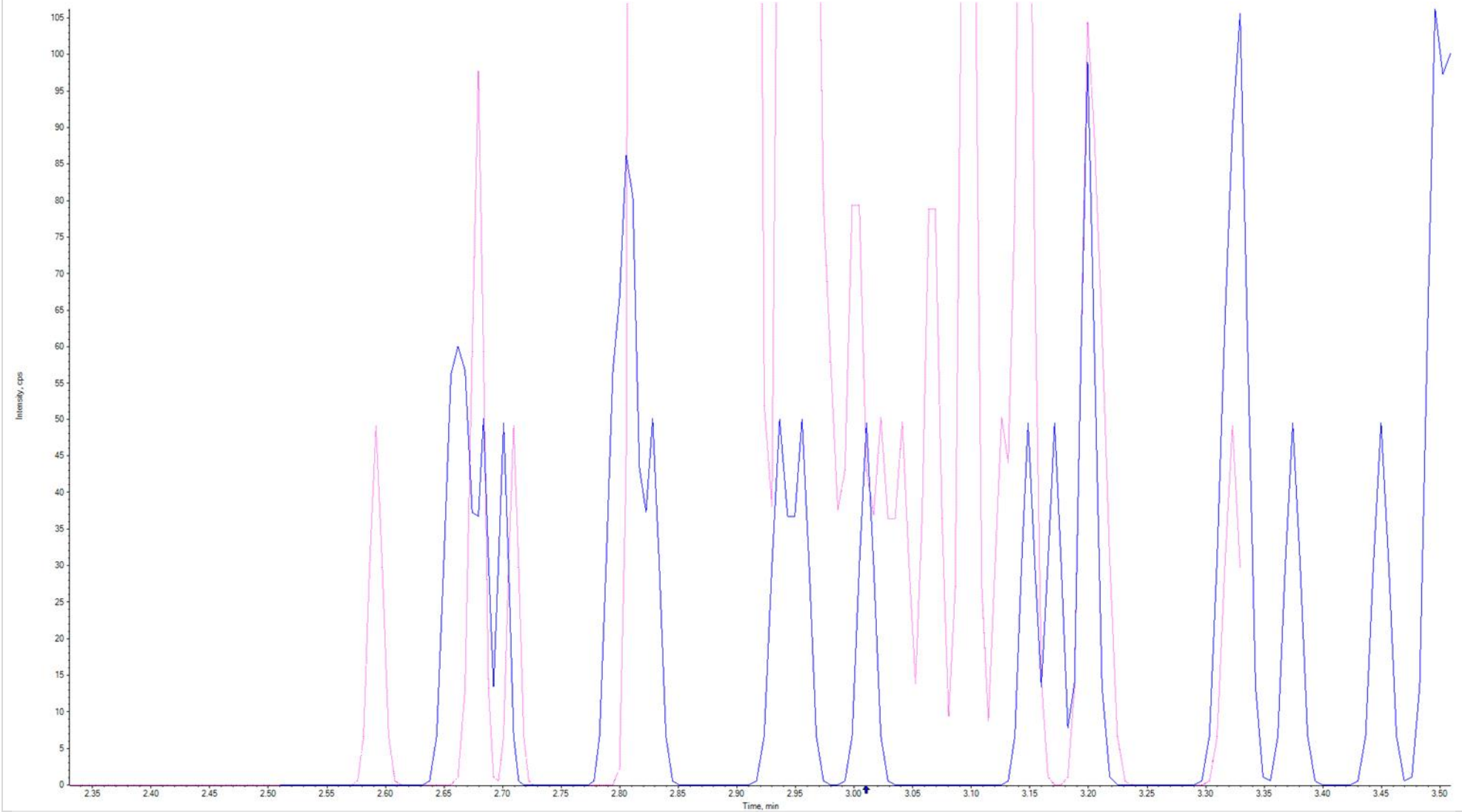

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9Cl-PF3ONS
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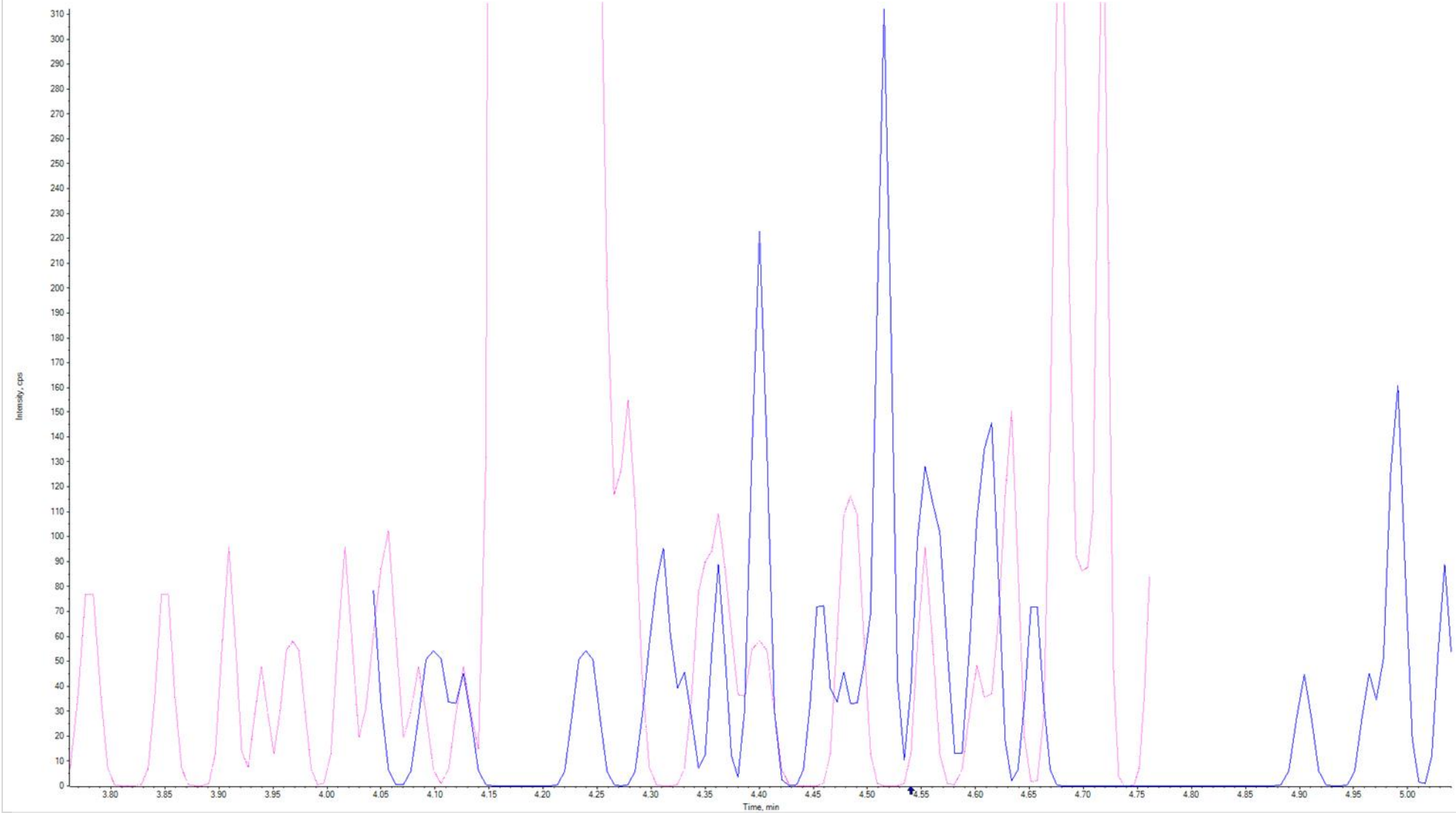

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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9Cl-PF3ONS_2
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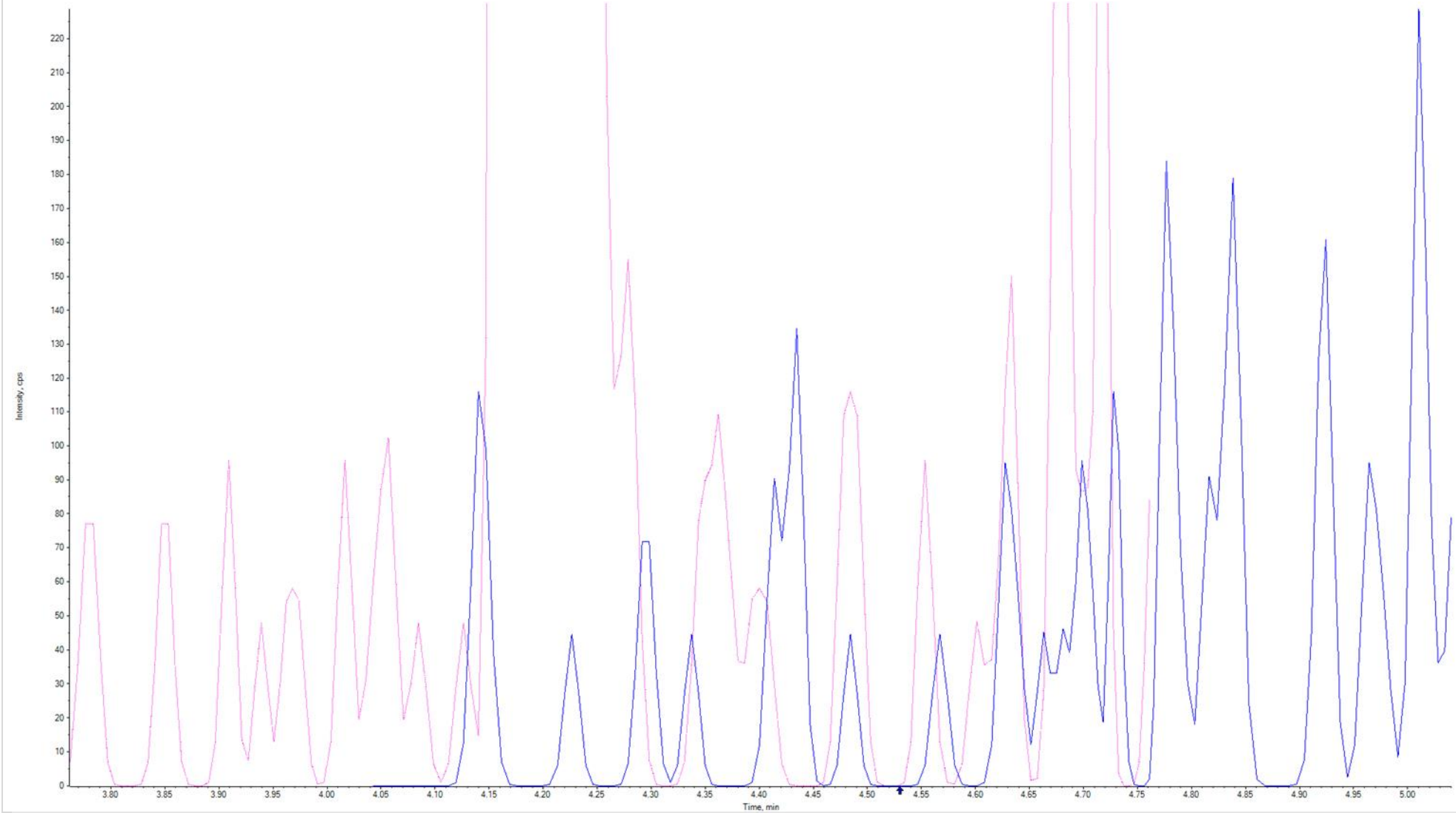

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11Cl-PF3OUdS
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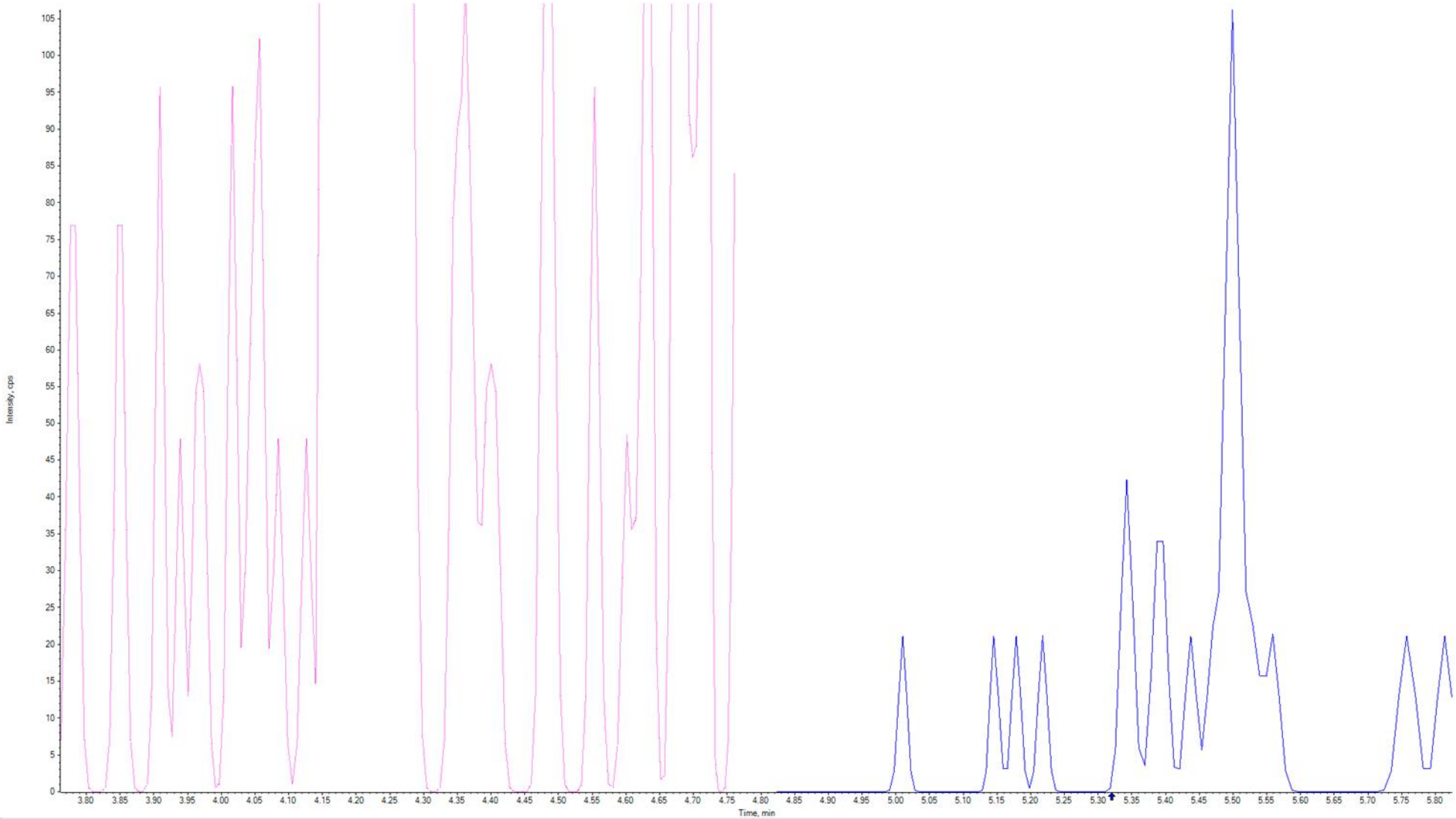

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11Cl-PF3OUdS_2
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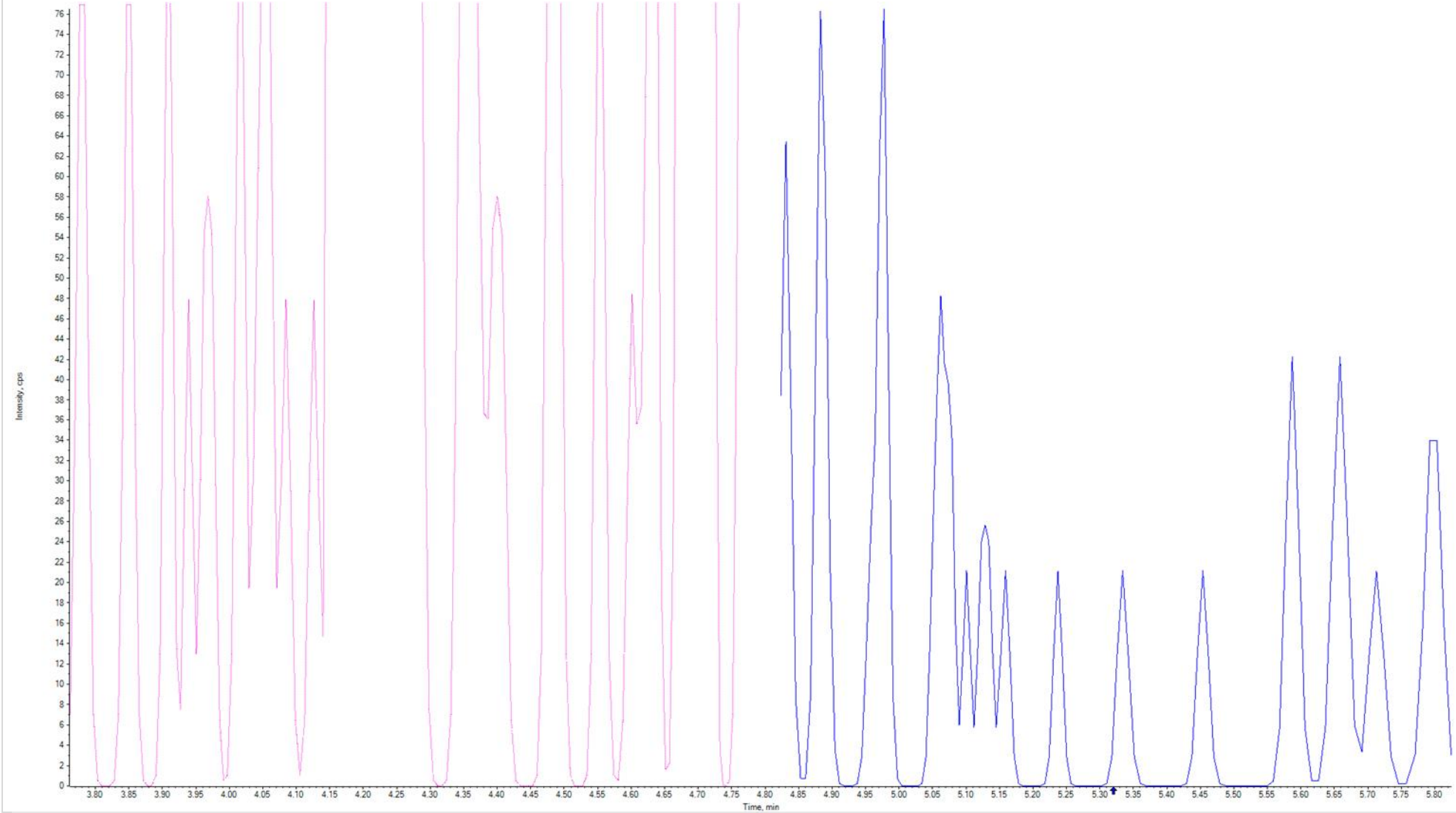

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3:3FTCA
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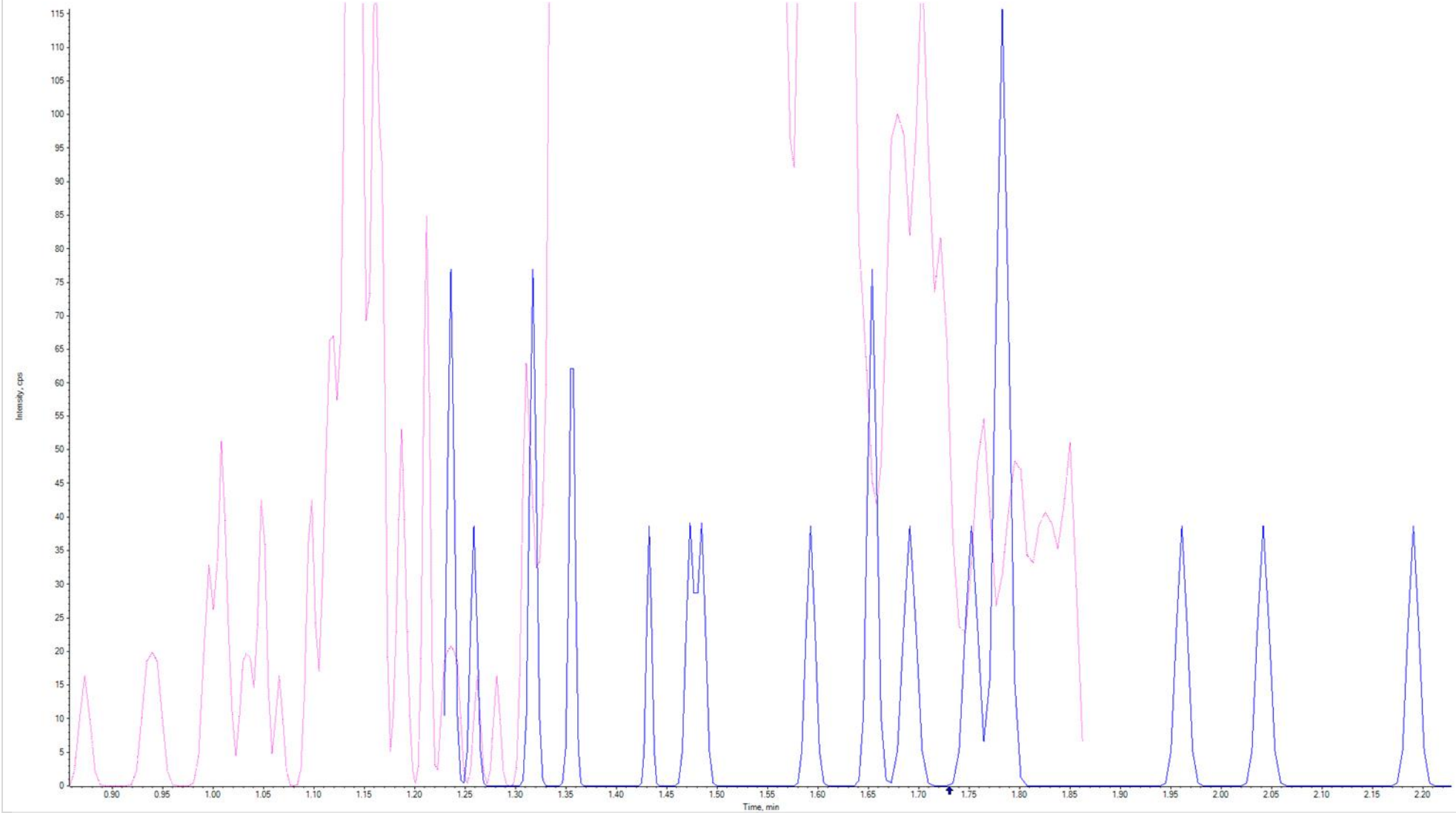

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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3:3FTCA_2
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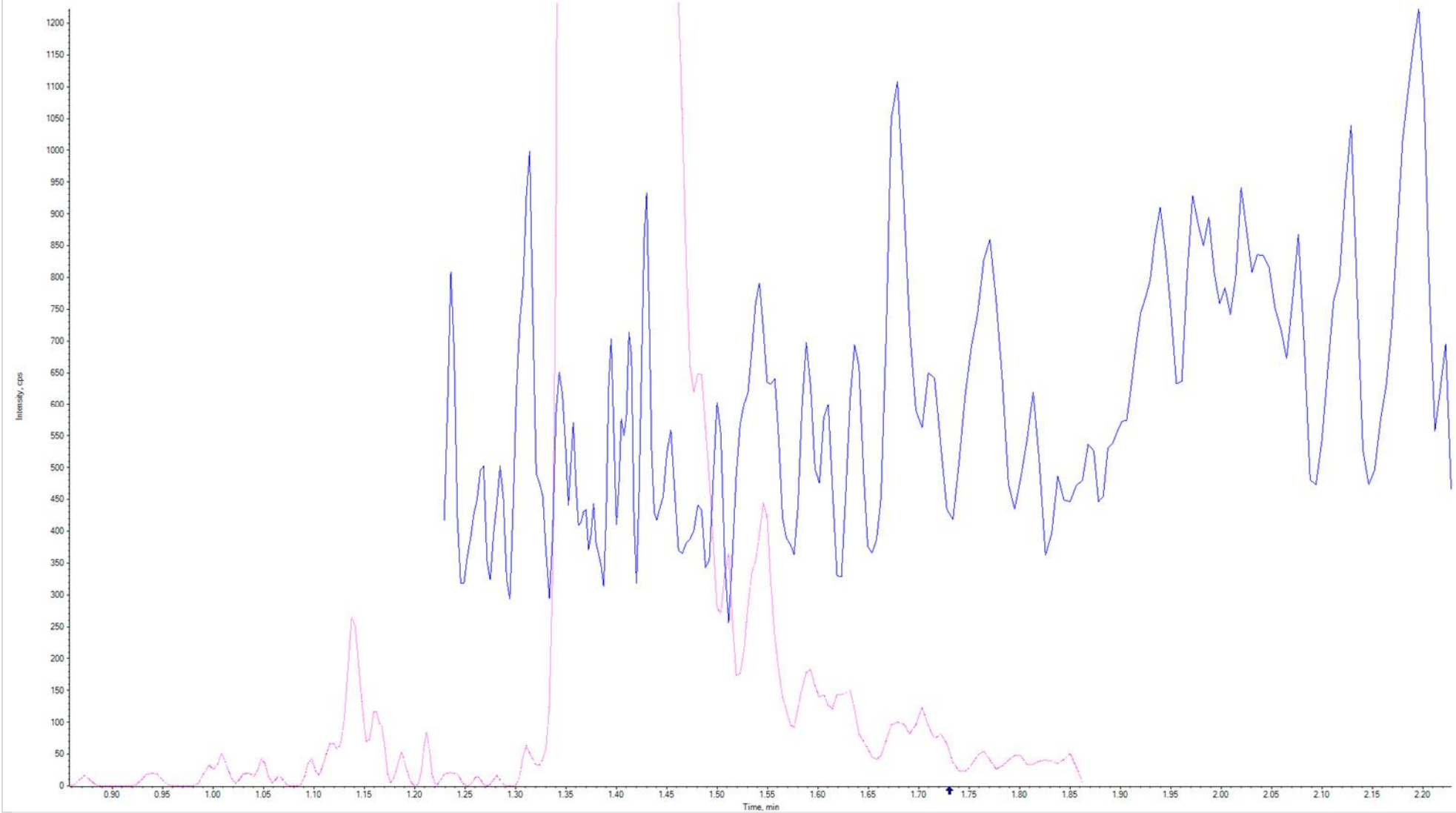
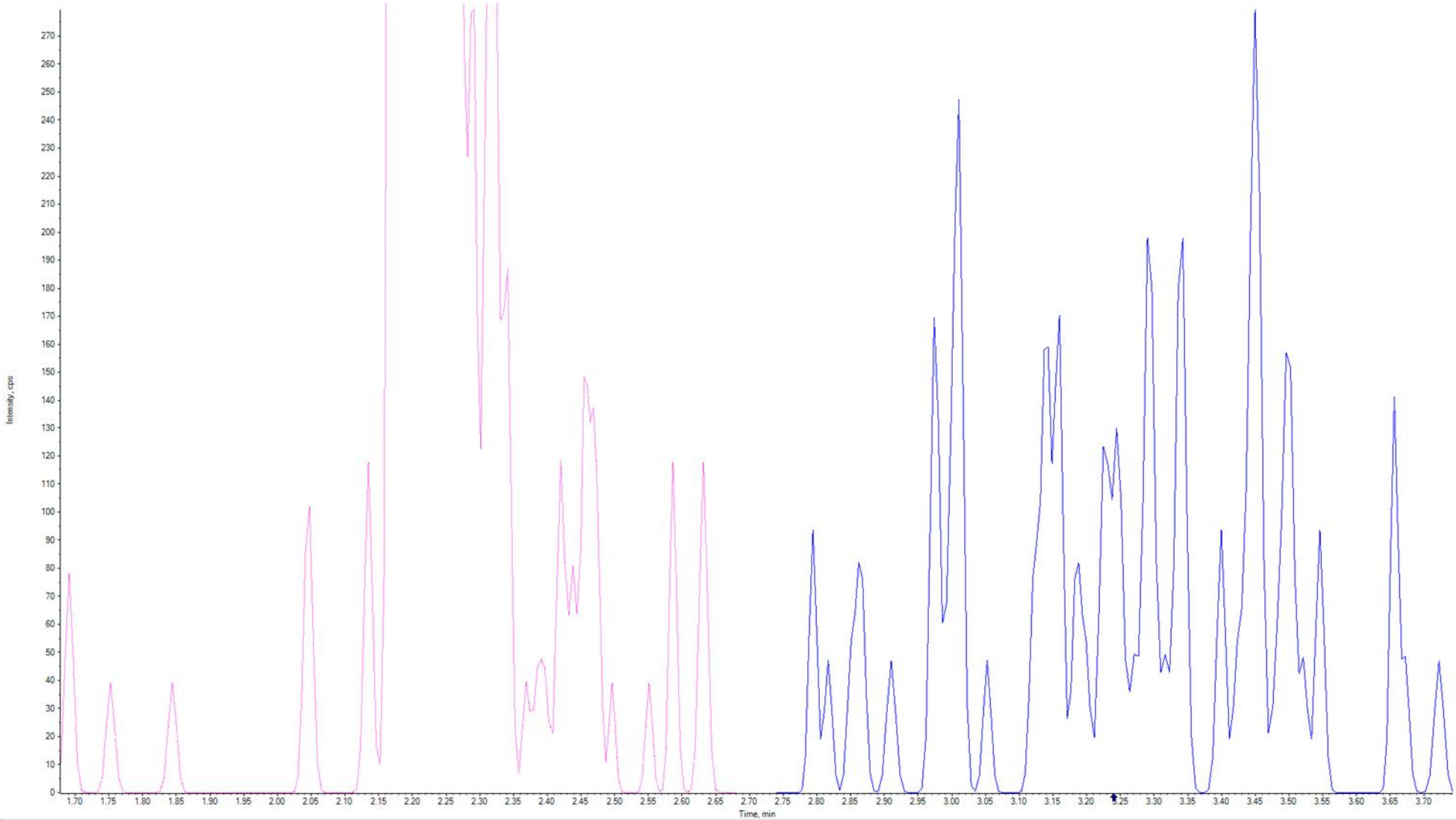


5:3FTCA
Sample: WG2011107-1 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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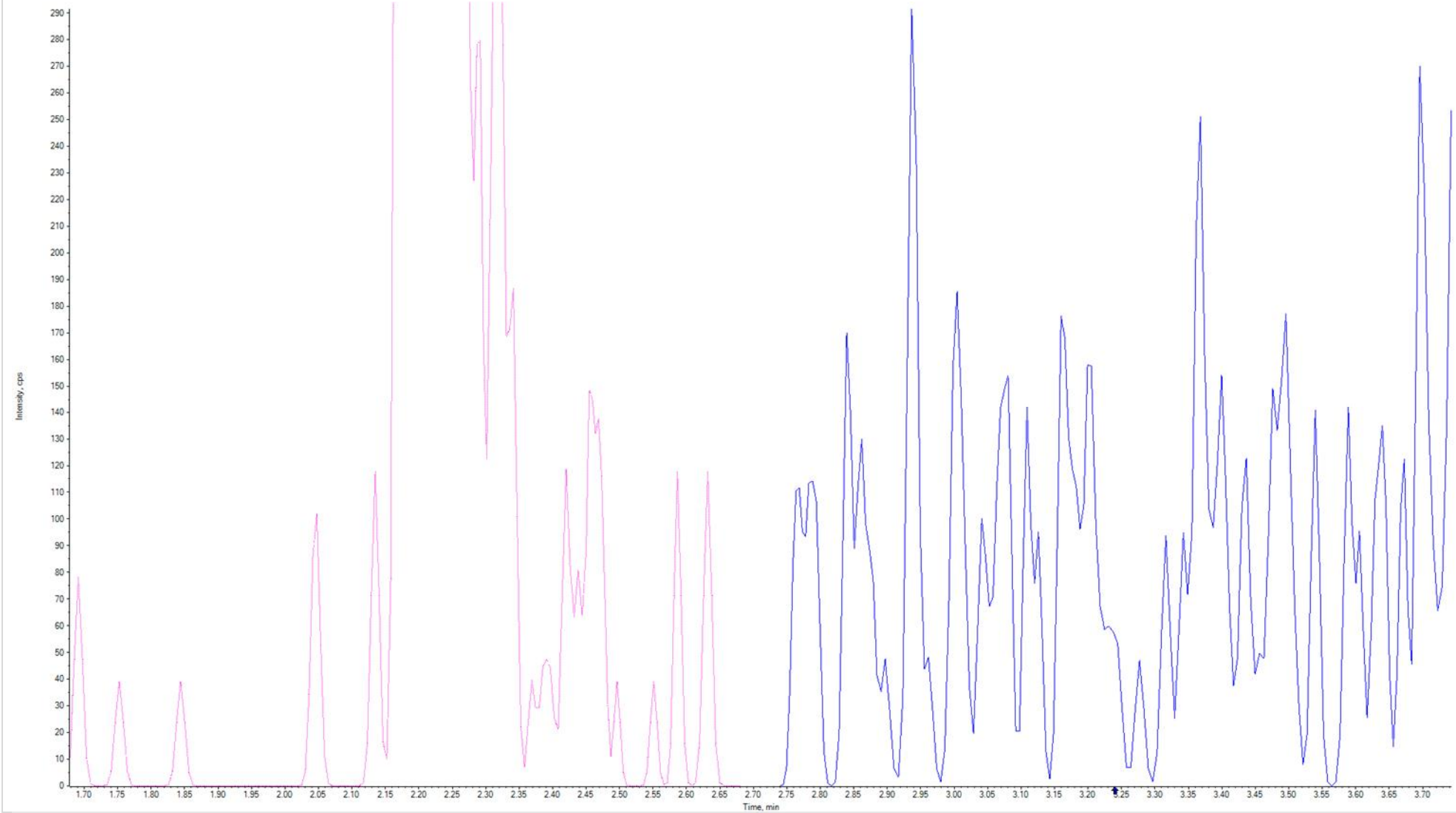

7:3FTCA
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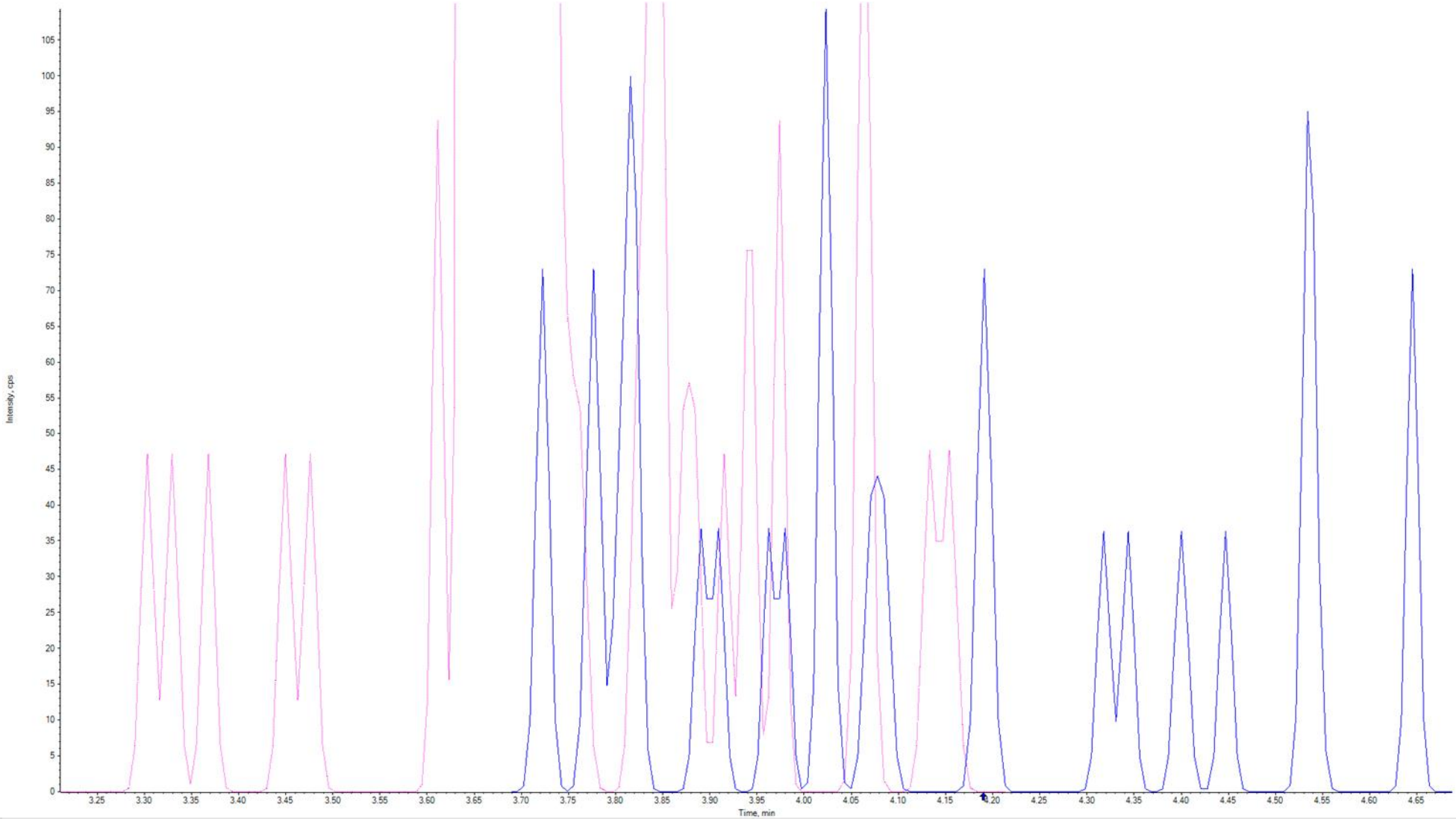

7:3FTCA_2
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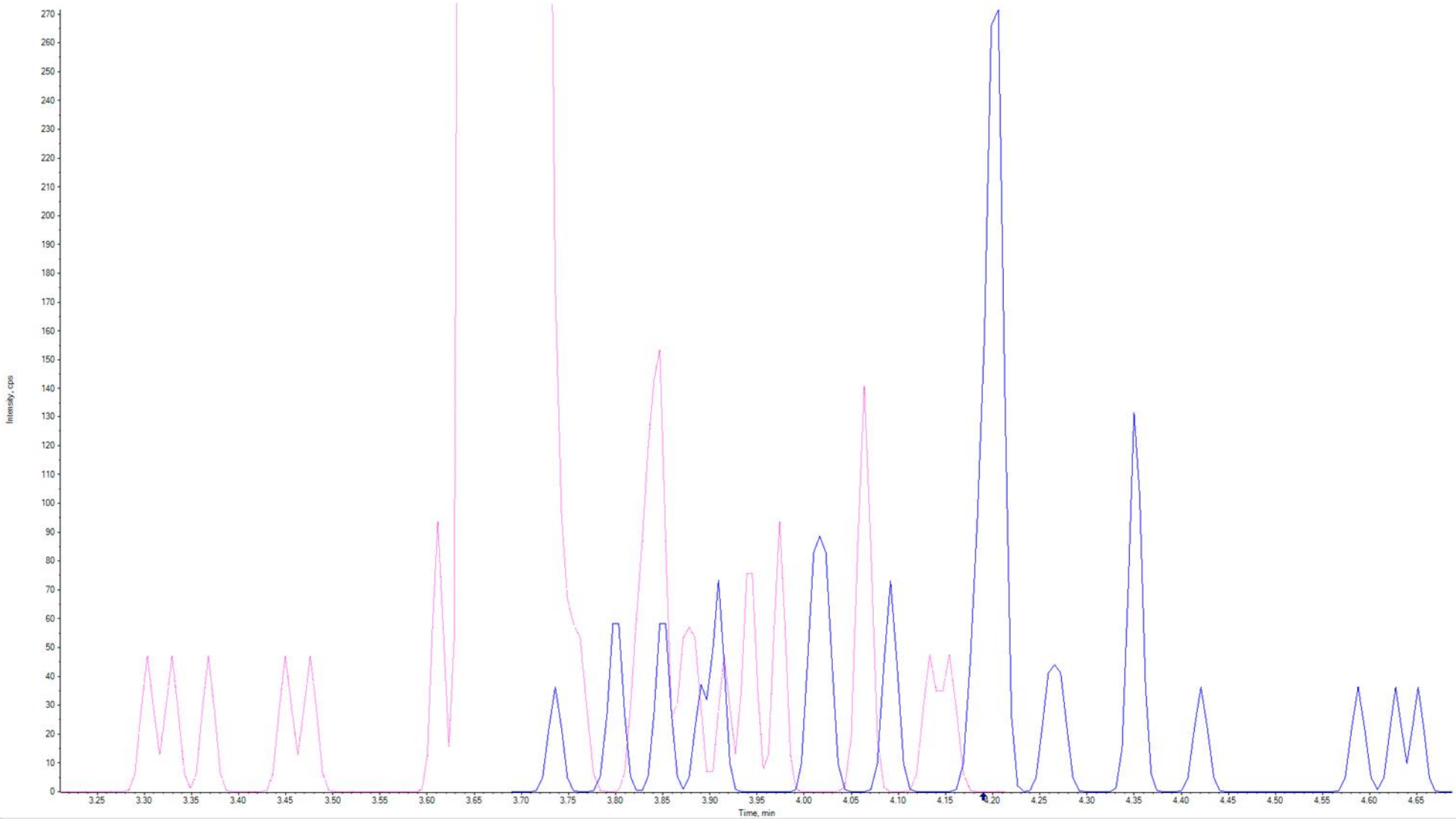

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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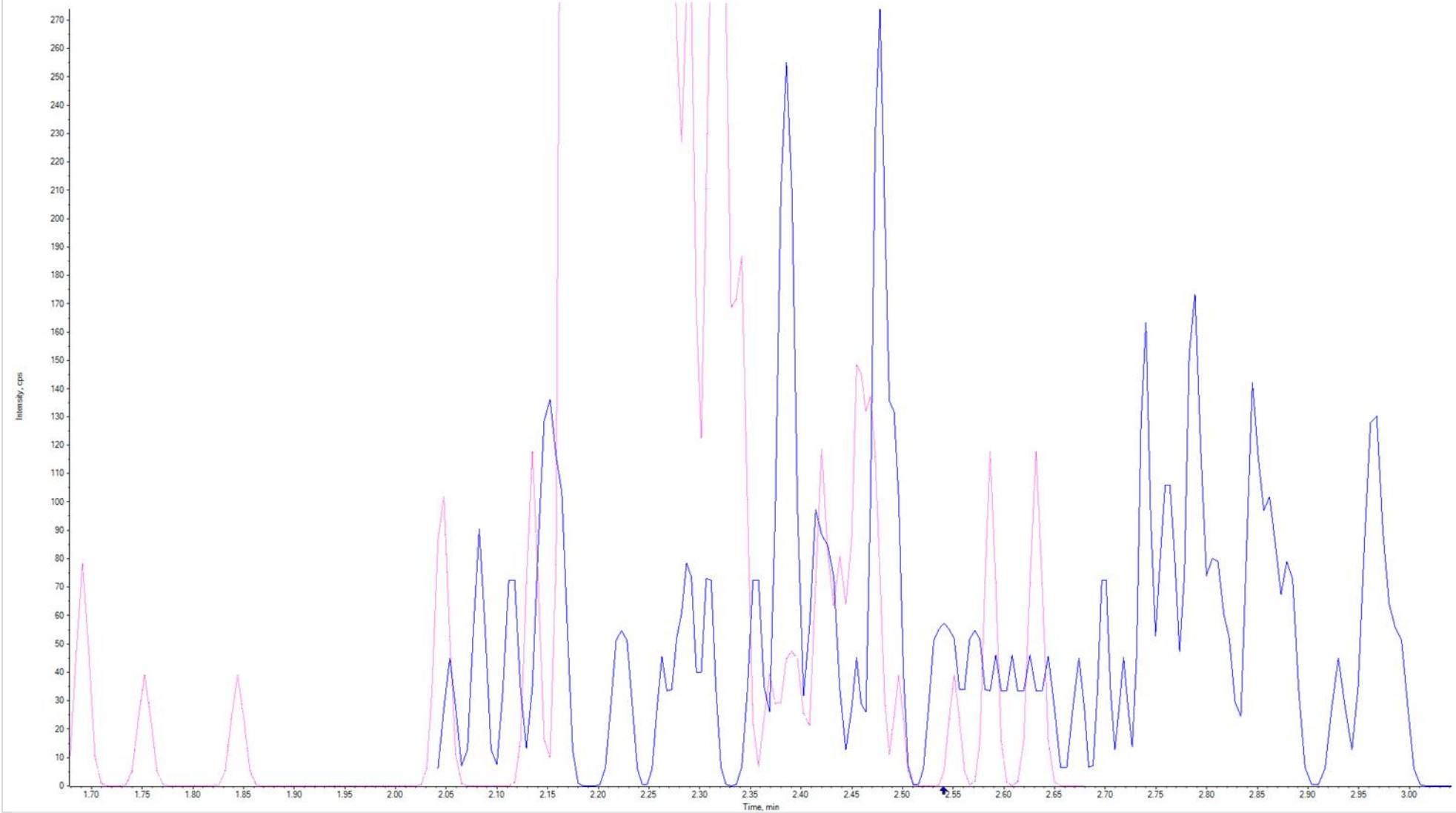
PFEESA
Sample: WG2011107-1 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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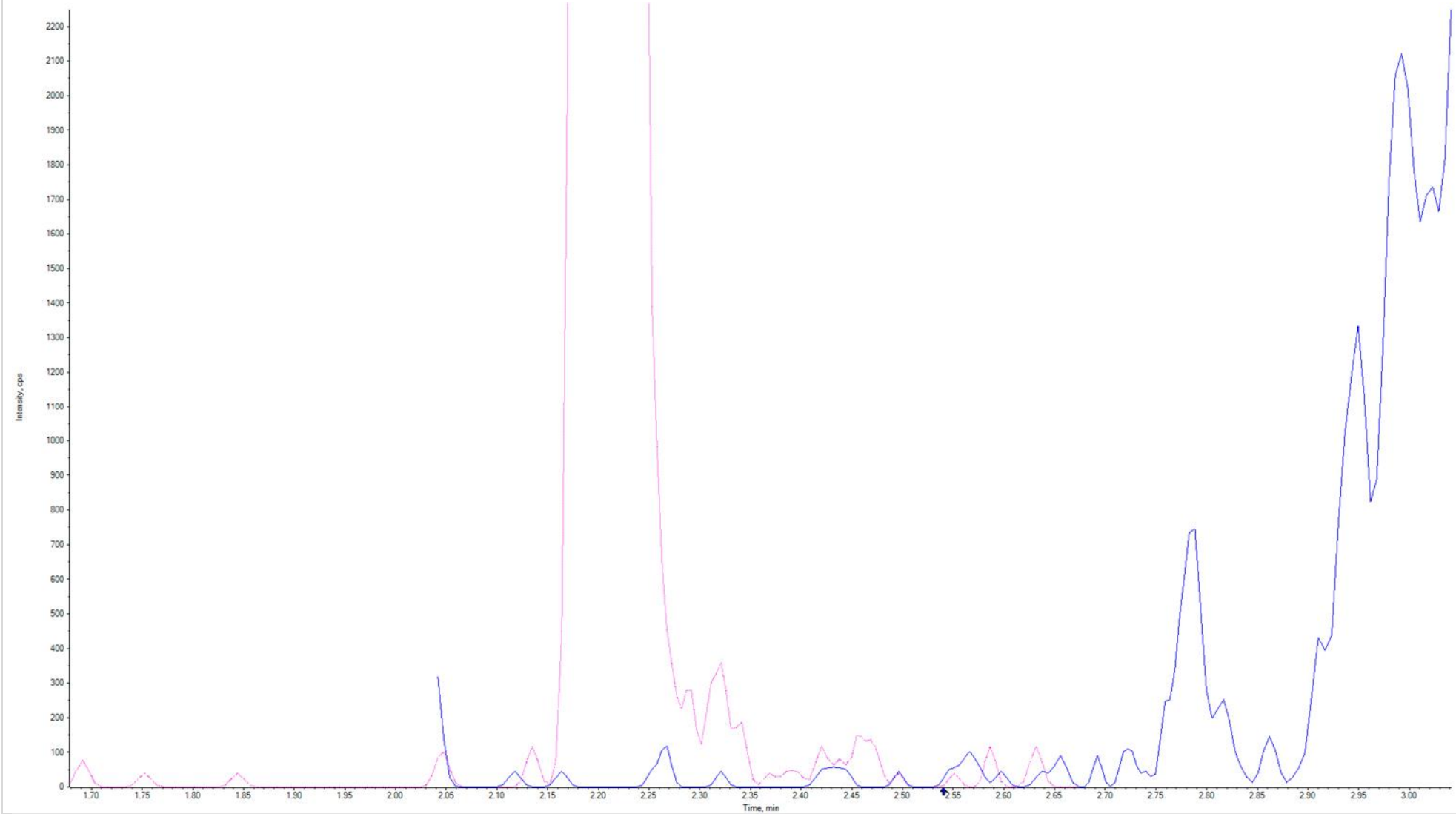
Generated: 12/19/2024 2:27:31 PM

PFEESA_2
Sample: WG2011107-1 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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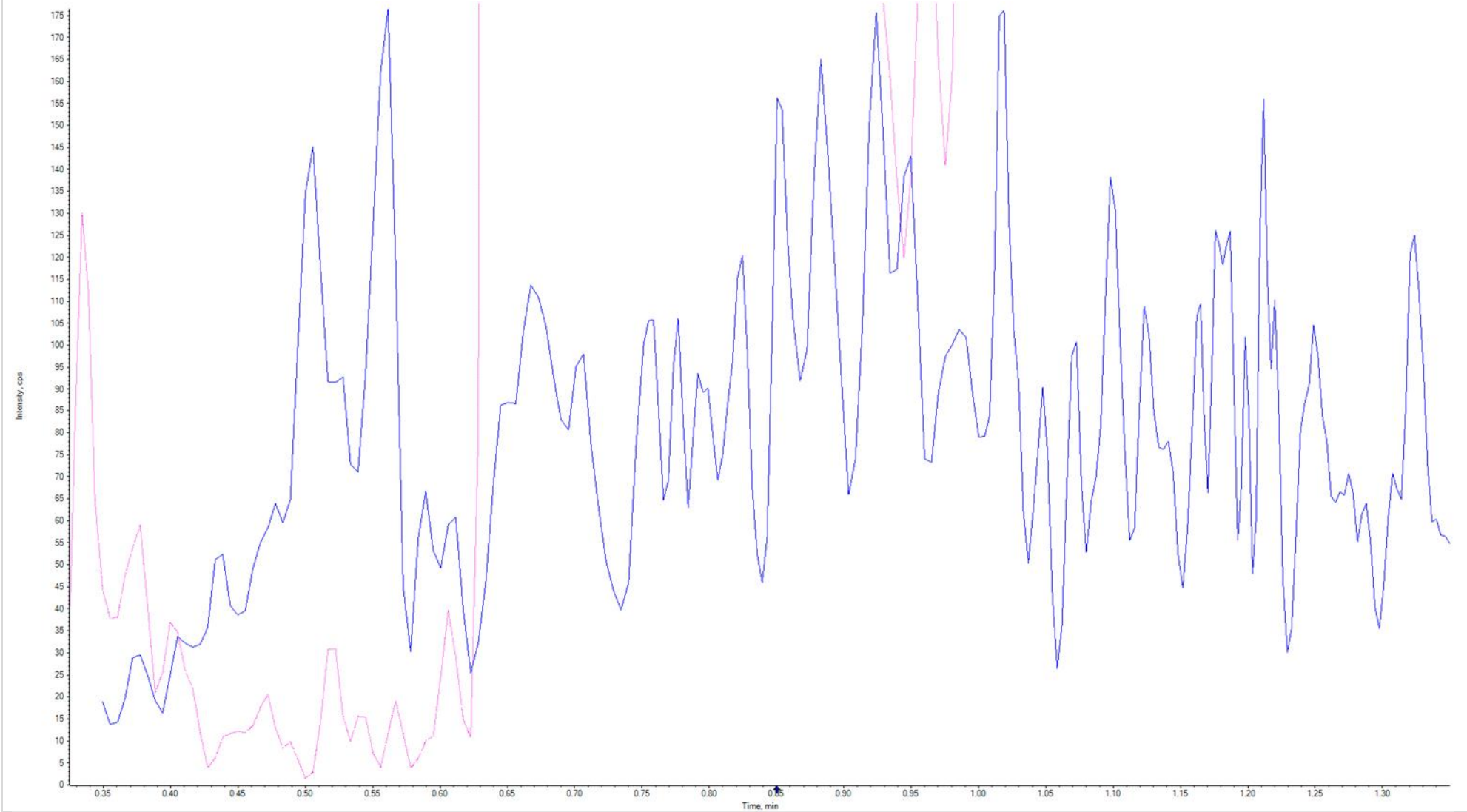
PFMPA
Sample: WG2011107-1 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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PFMBA
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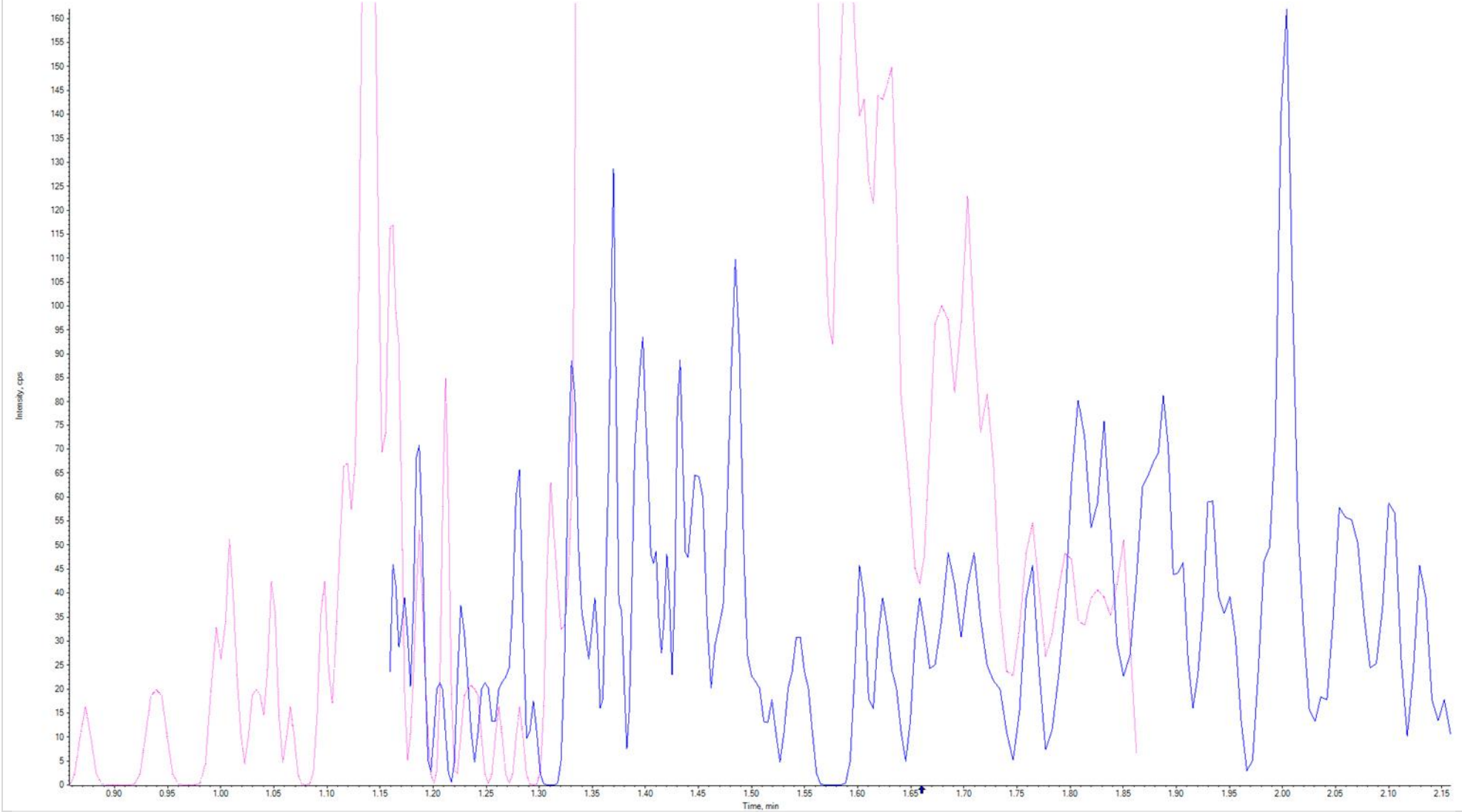
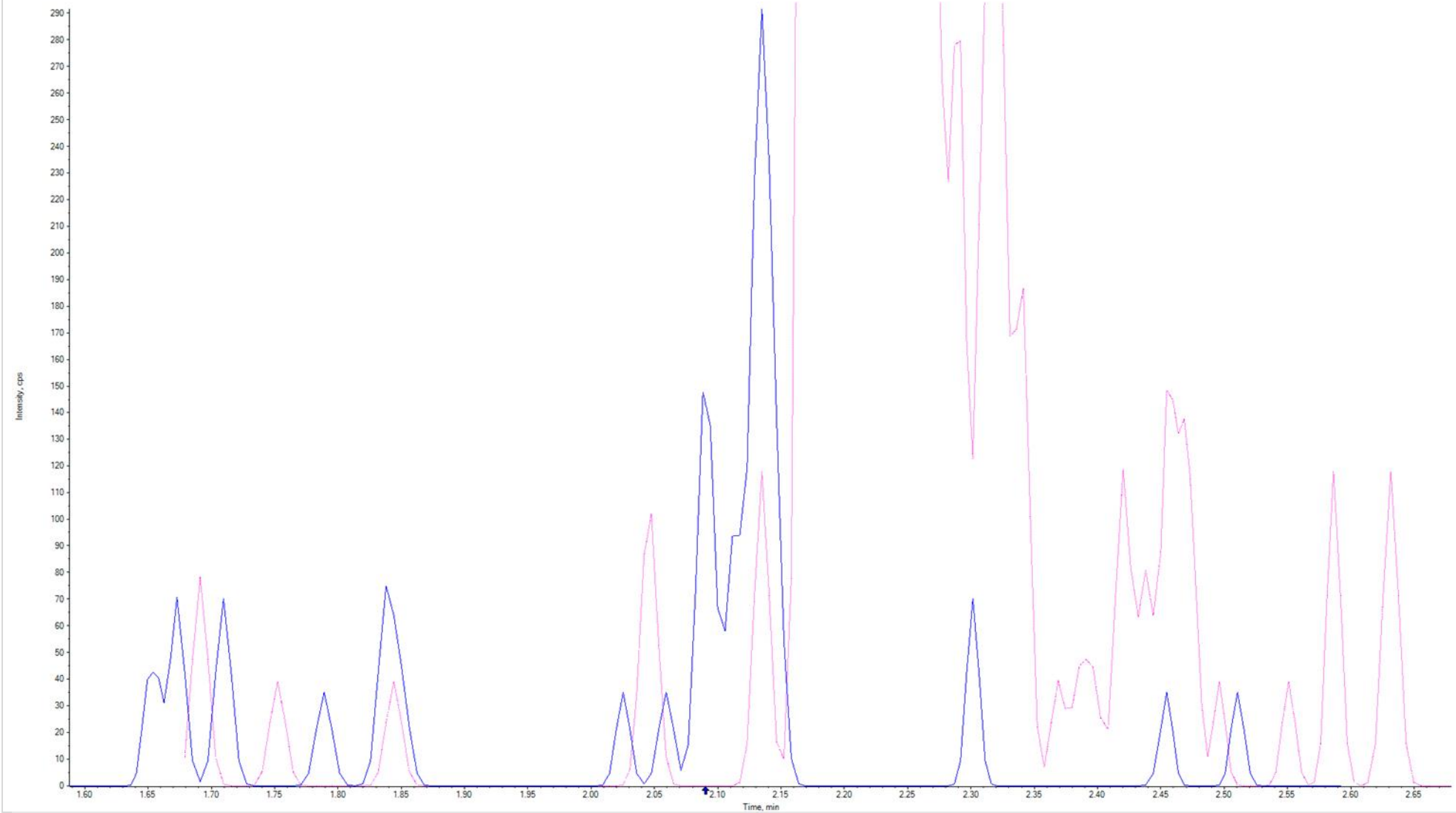


NFDHA
Sample: WG2011107-1 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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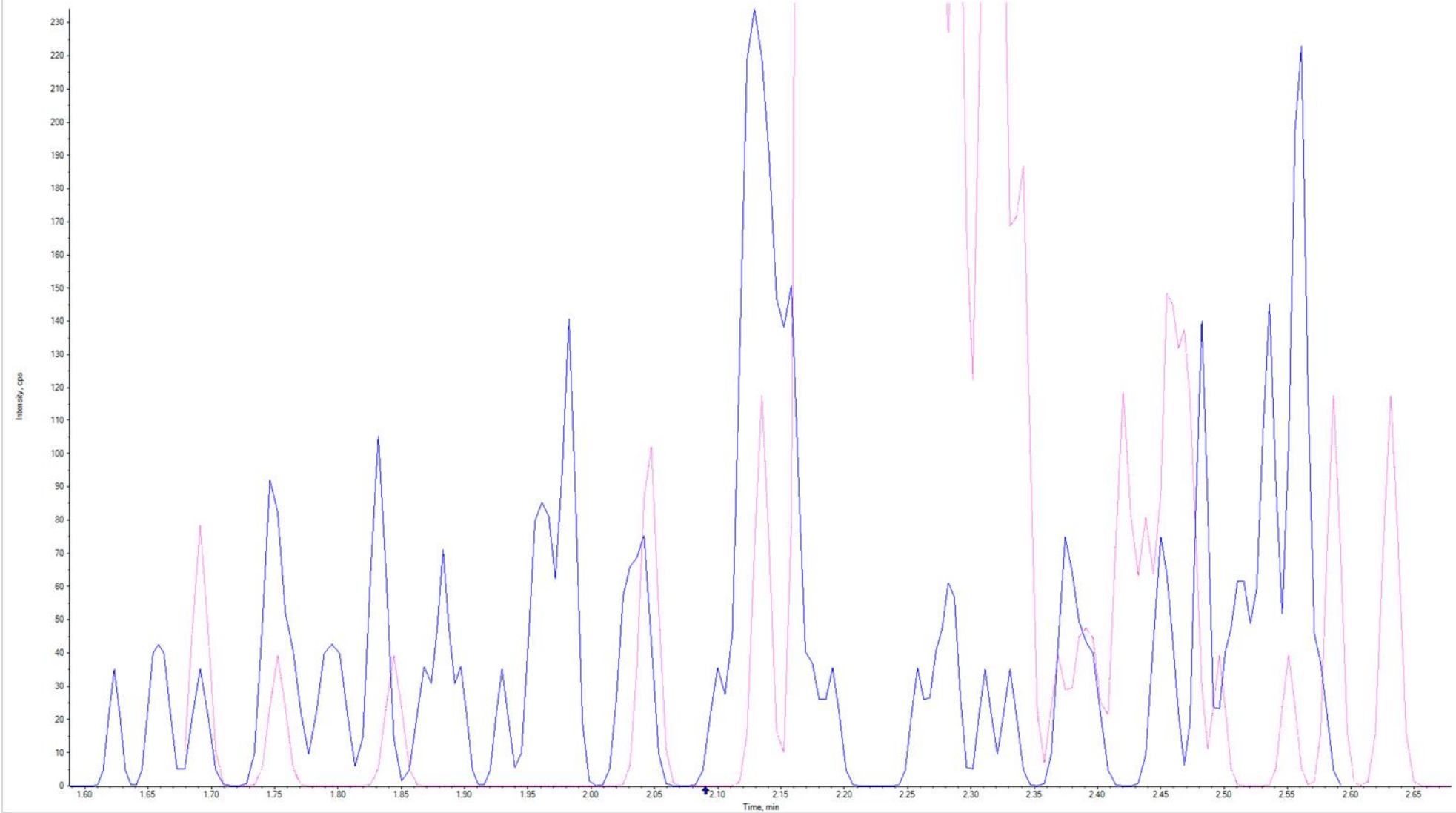
NFDHA_2
Sample: WG2011107-1 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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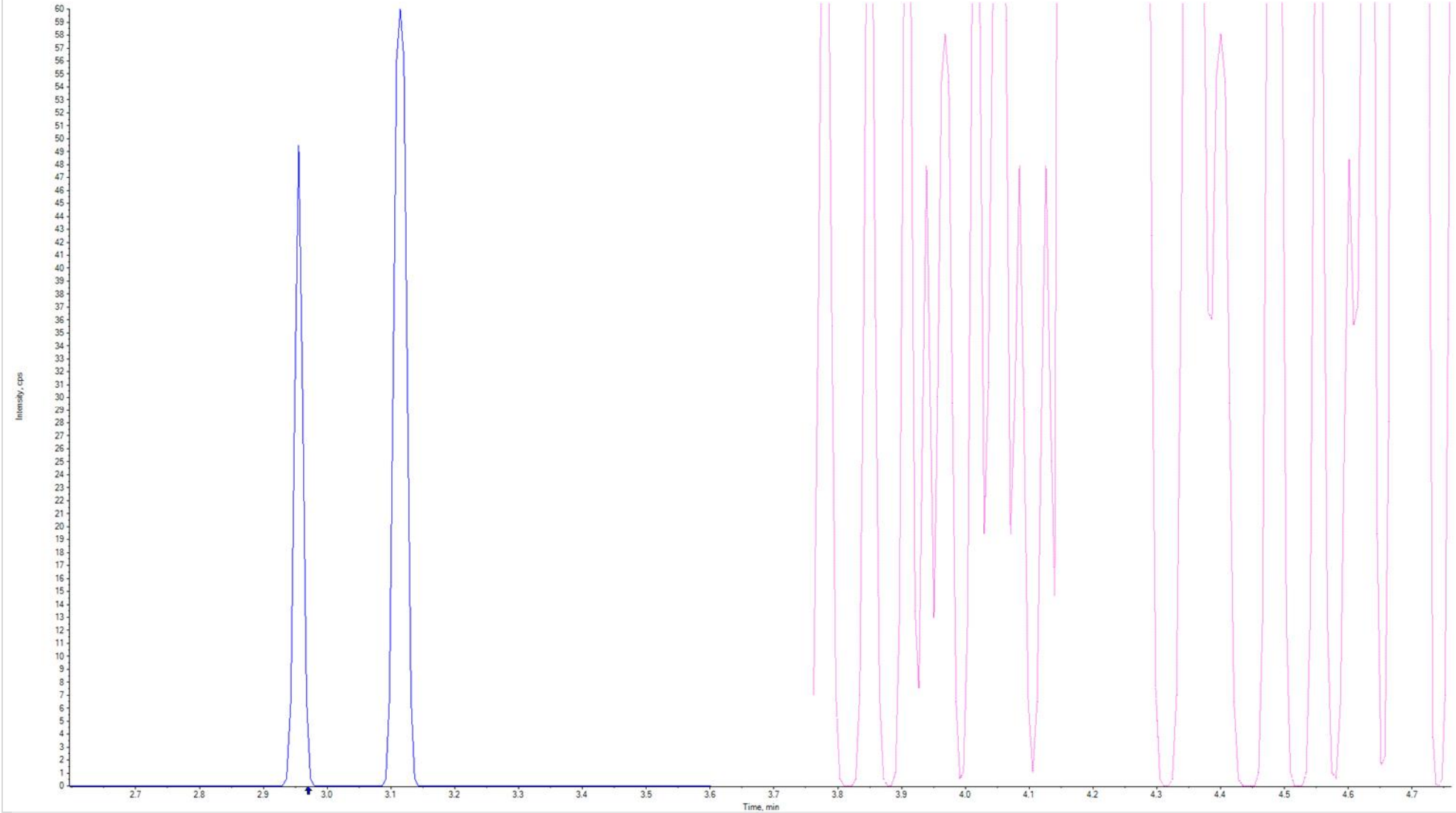
TDCA
Sample: WG2011107-1 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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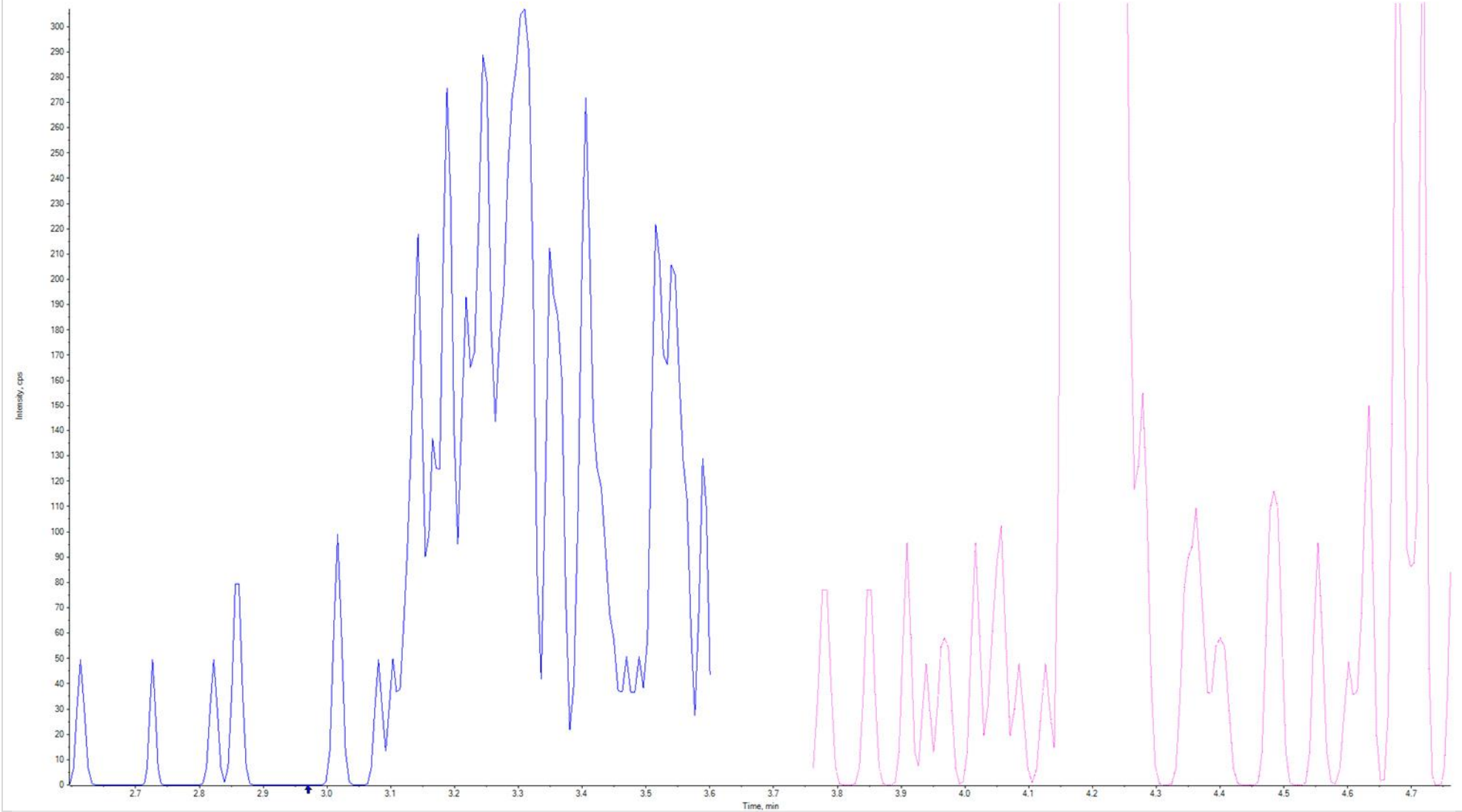
TDCA_2
Sample: WG2011107-1 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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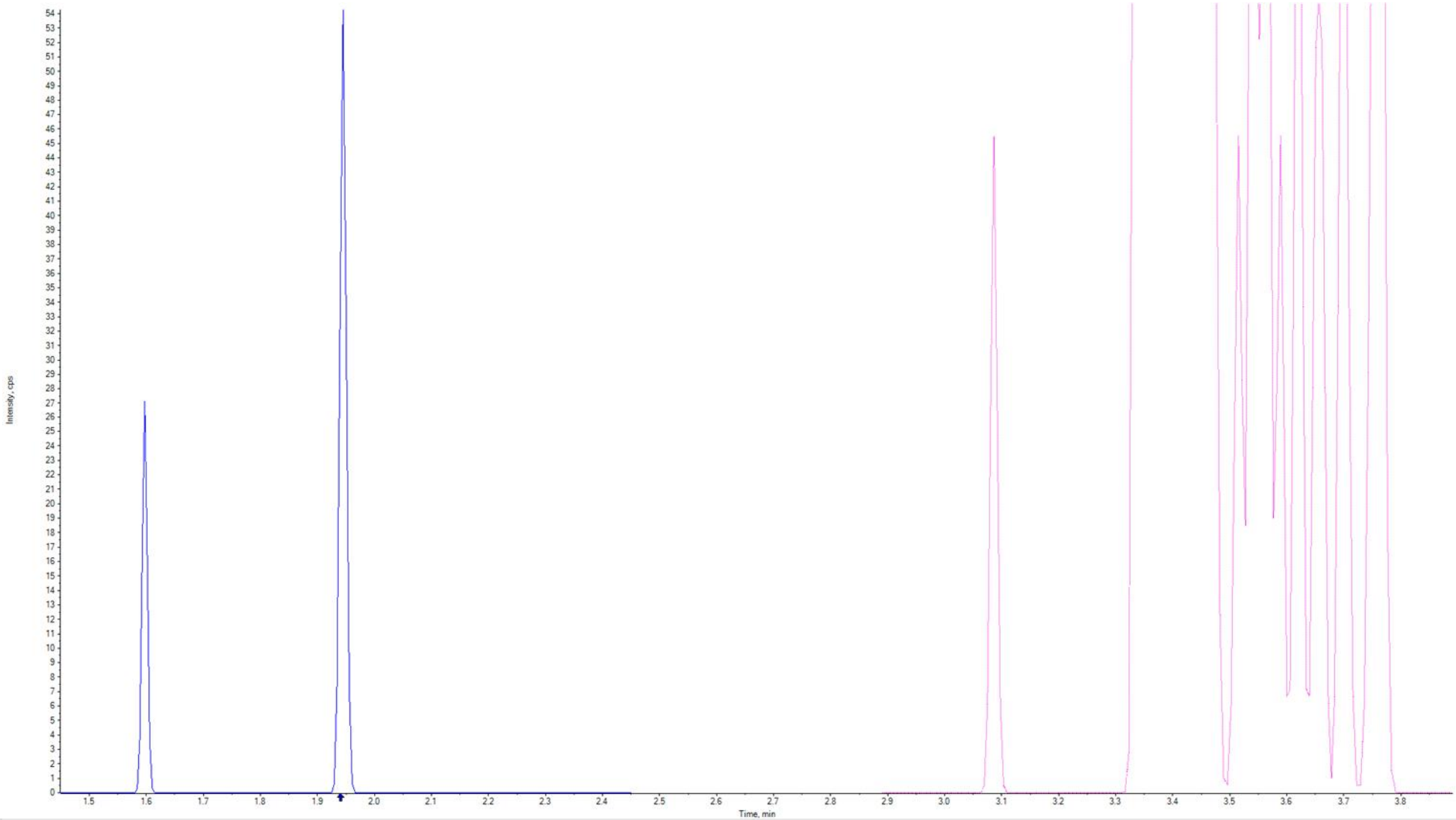
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

13C2D4-4:2FTS
Sample: WG2011107-1 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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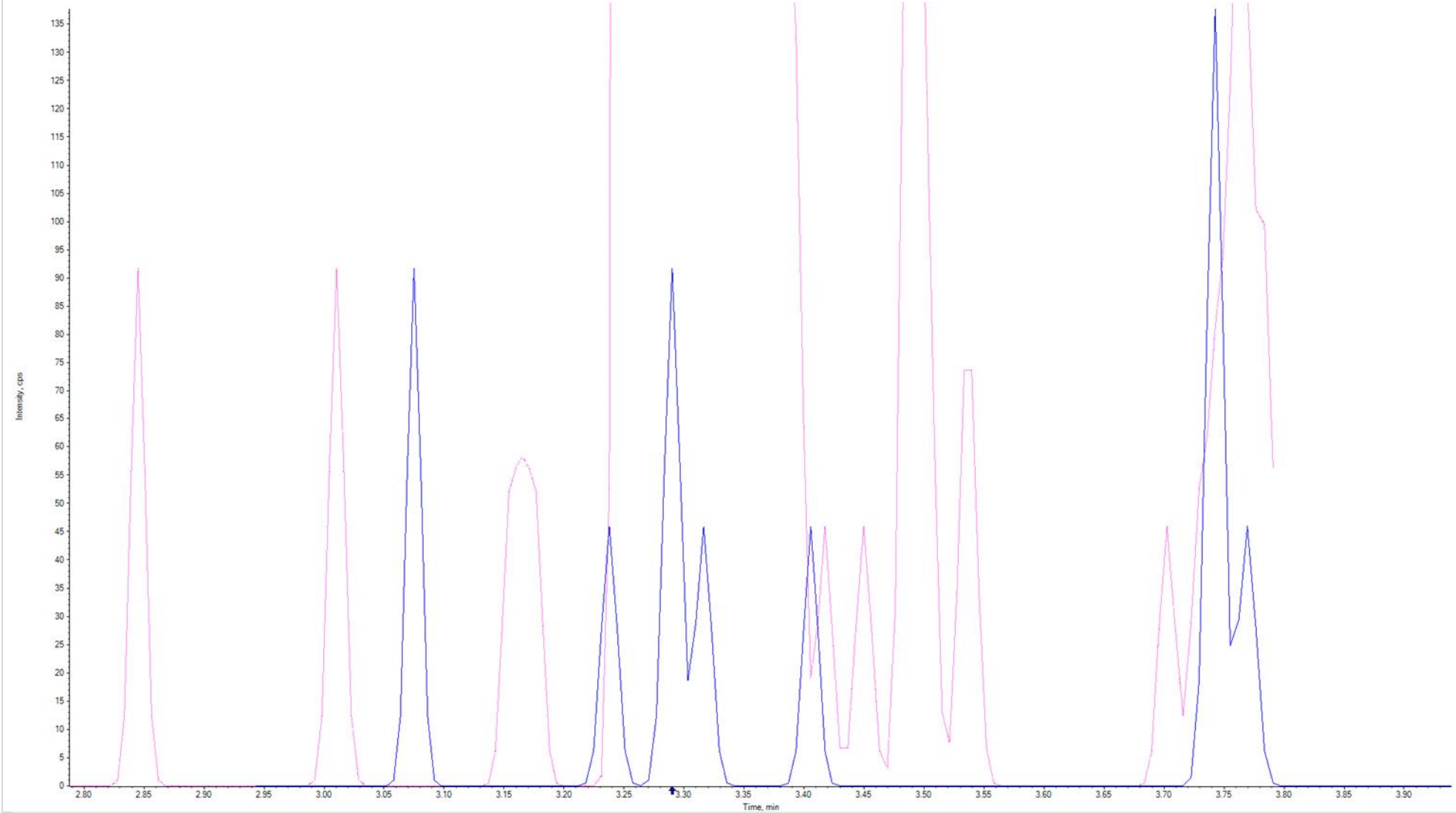
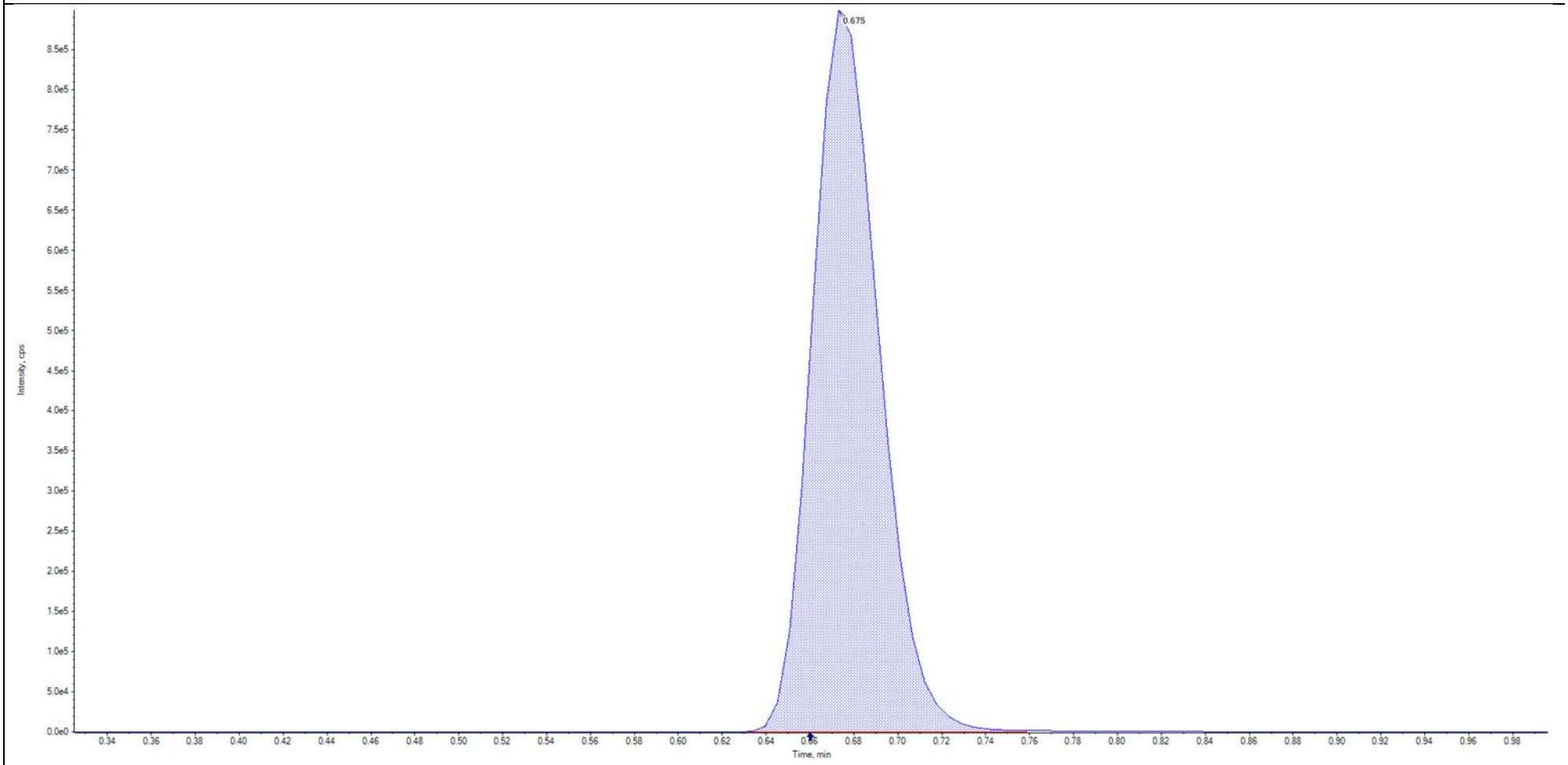
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

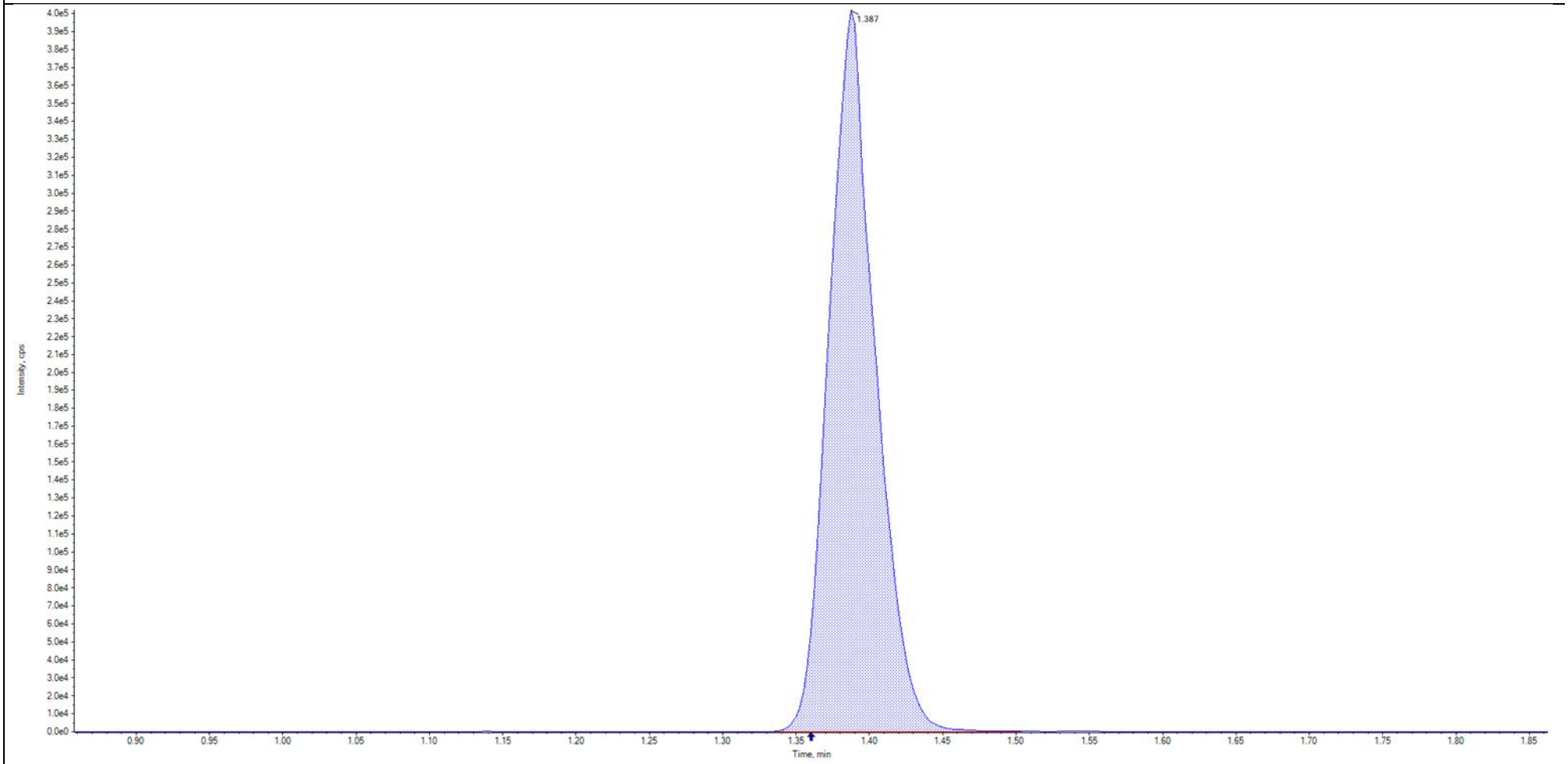
13C2-PFOA
Sample: WG2011107-1 S/N:N/A Points Across peak:N/A



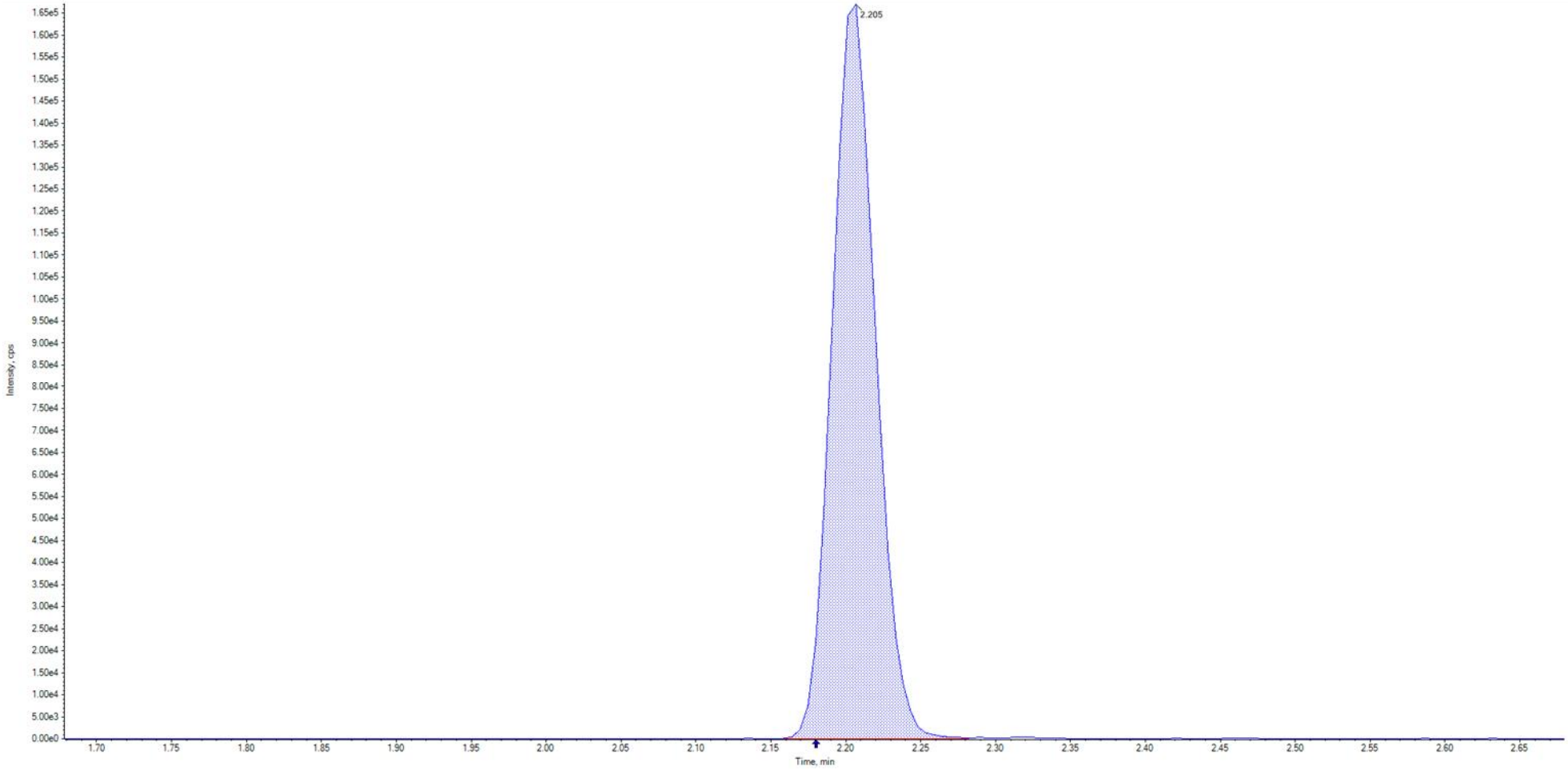
13C4-PFBA
Sample: WG2011107-1



13C5-PFPeA
Sample: WG2011107-1



13C5-PFHxA
Sample: WG2011107-1



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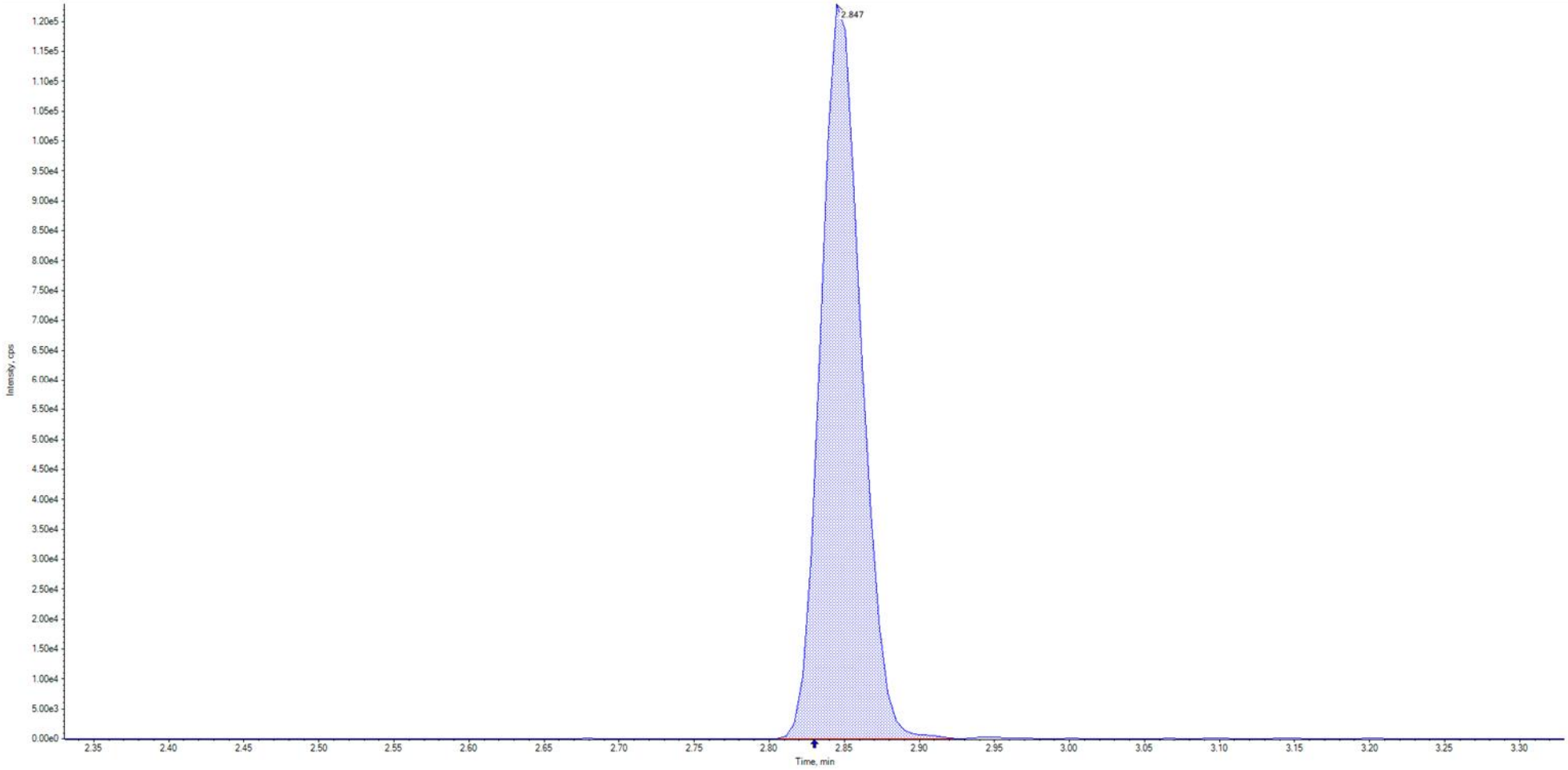
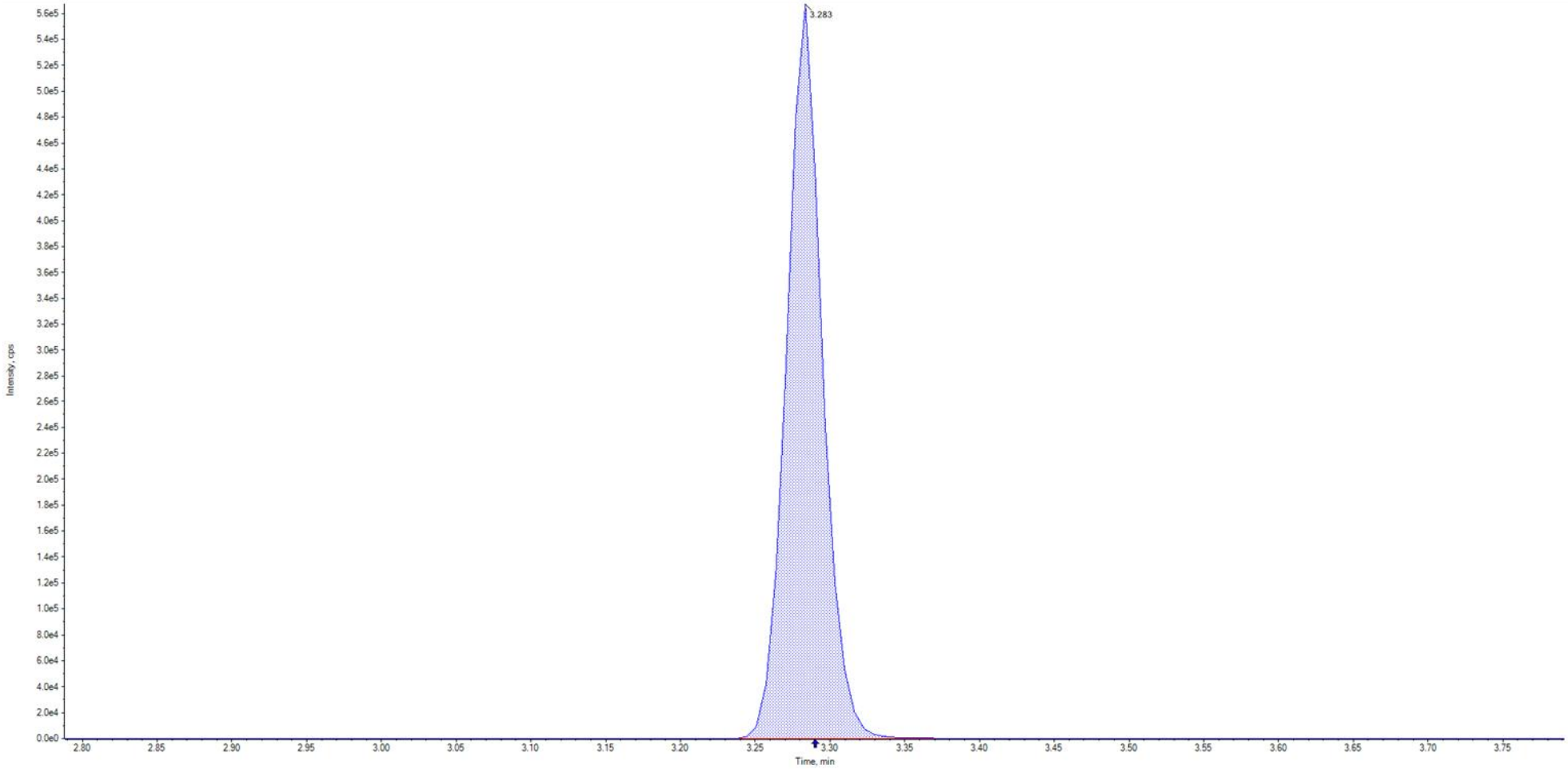
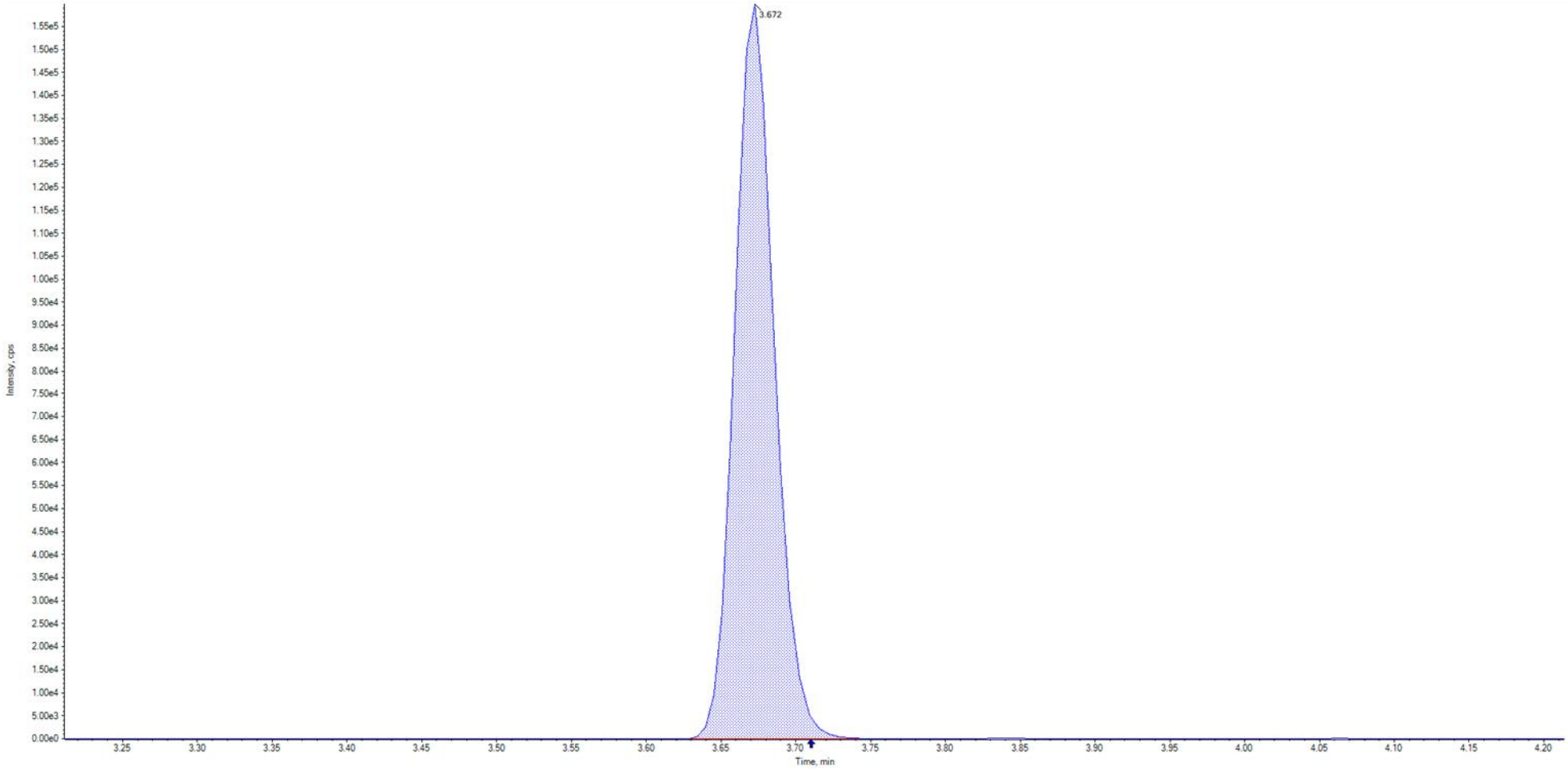


13C8-PFOA
Sample: WG2011107-1



13C9-PFNA
Sample: WG2011107-1



13C6-PFDA
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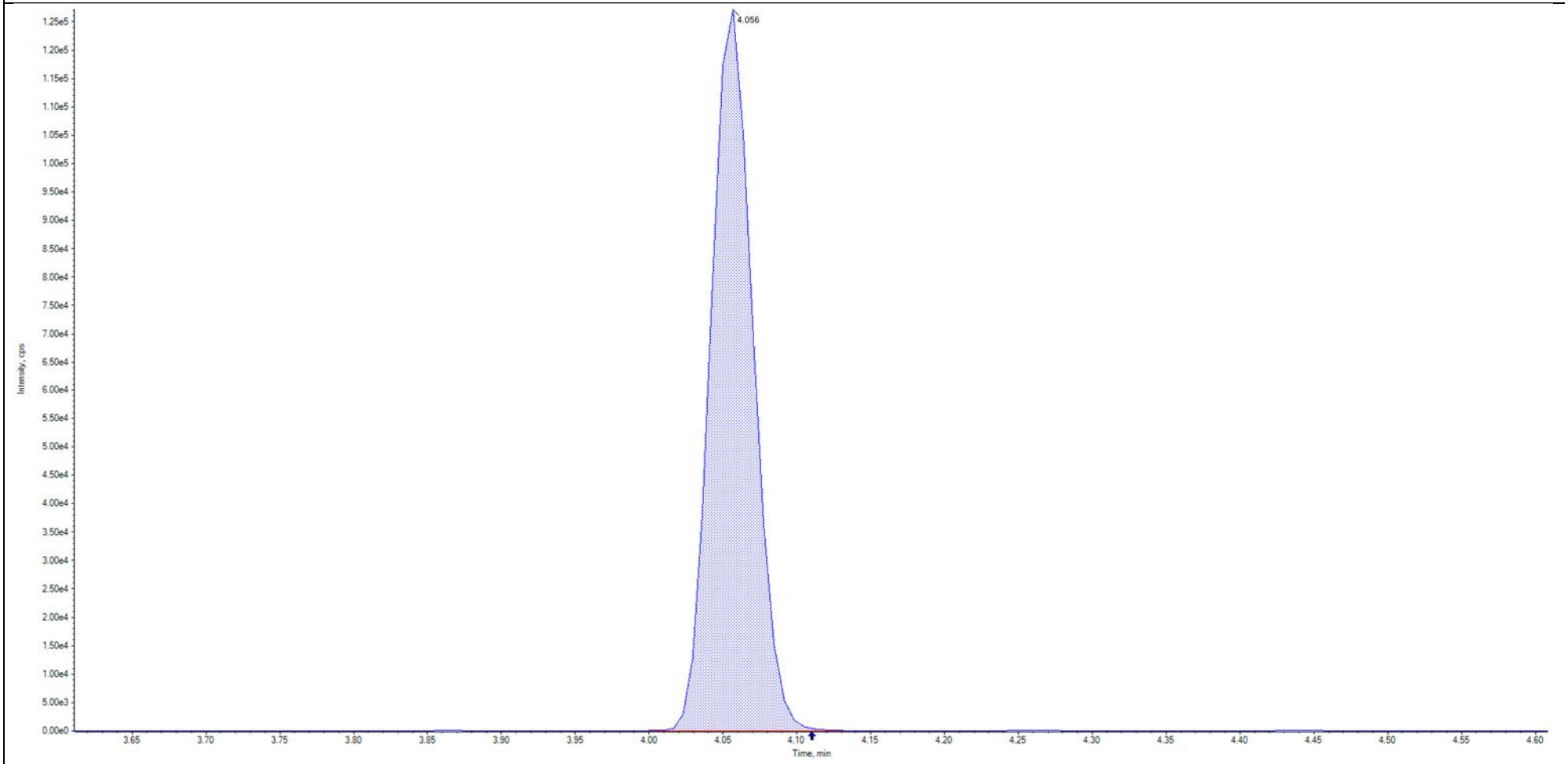
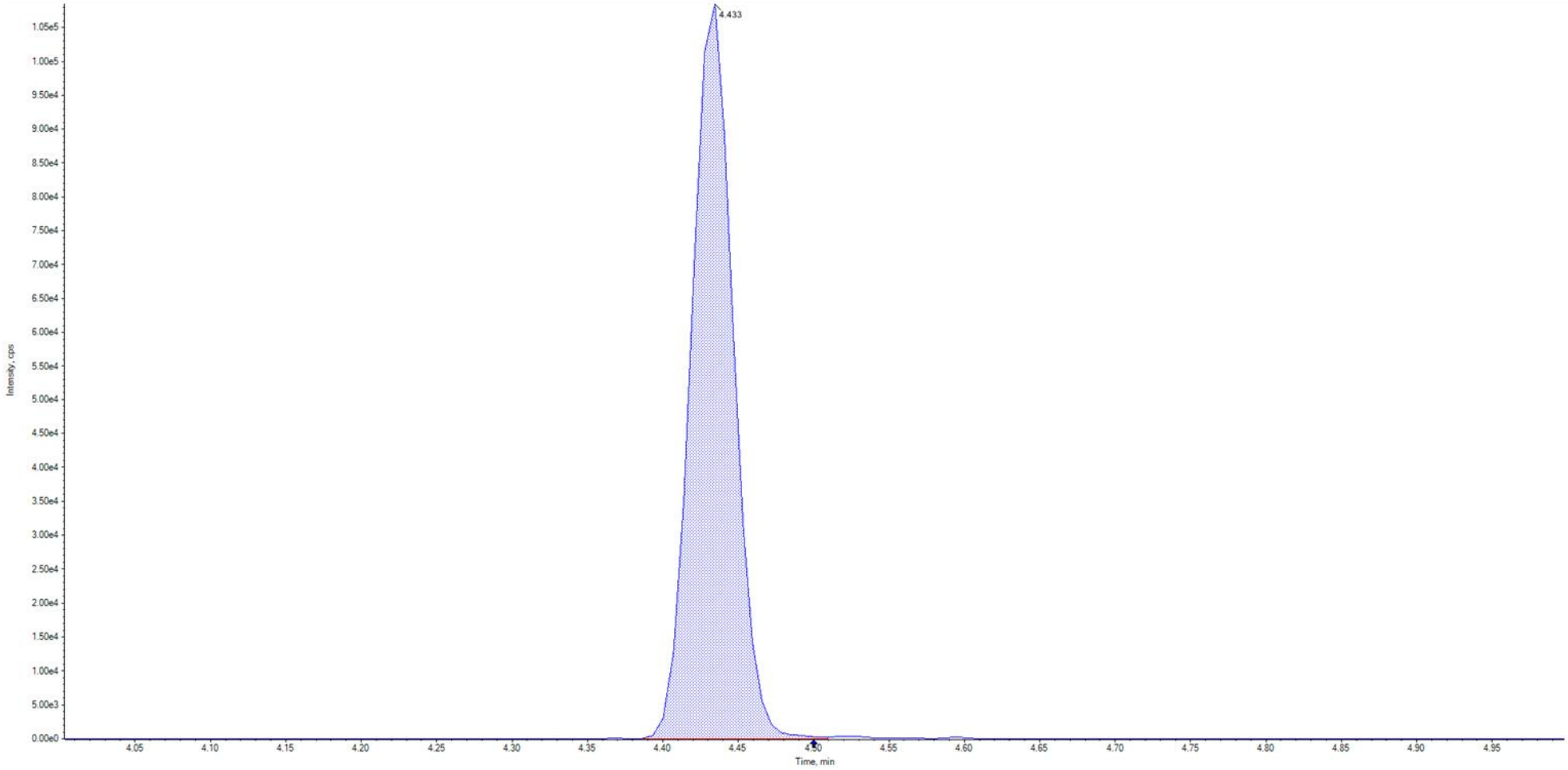
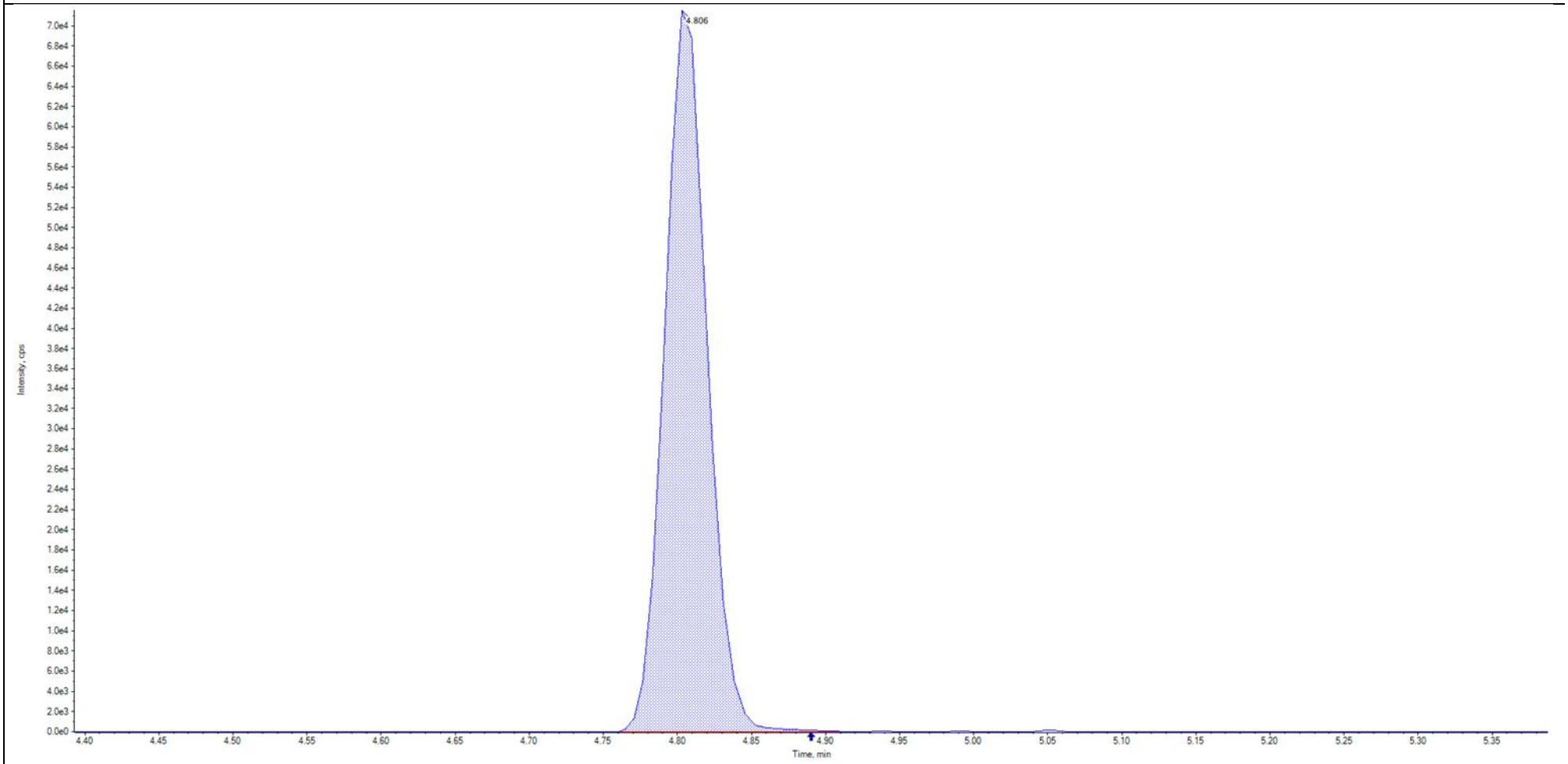


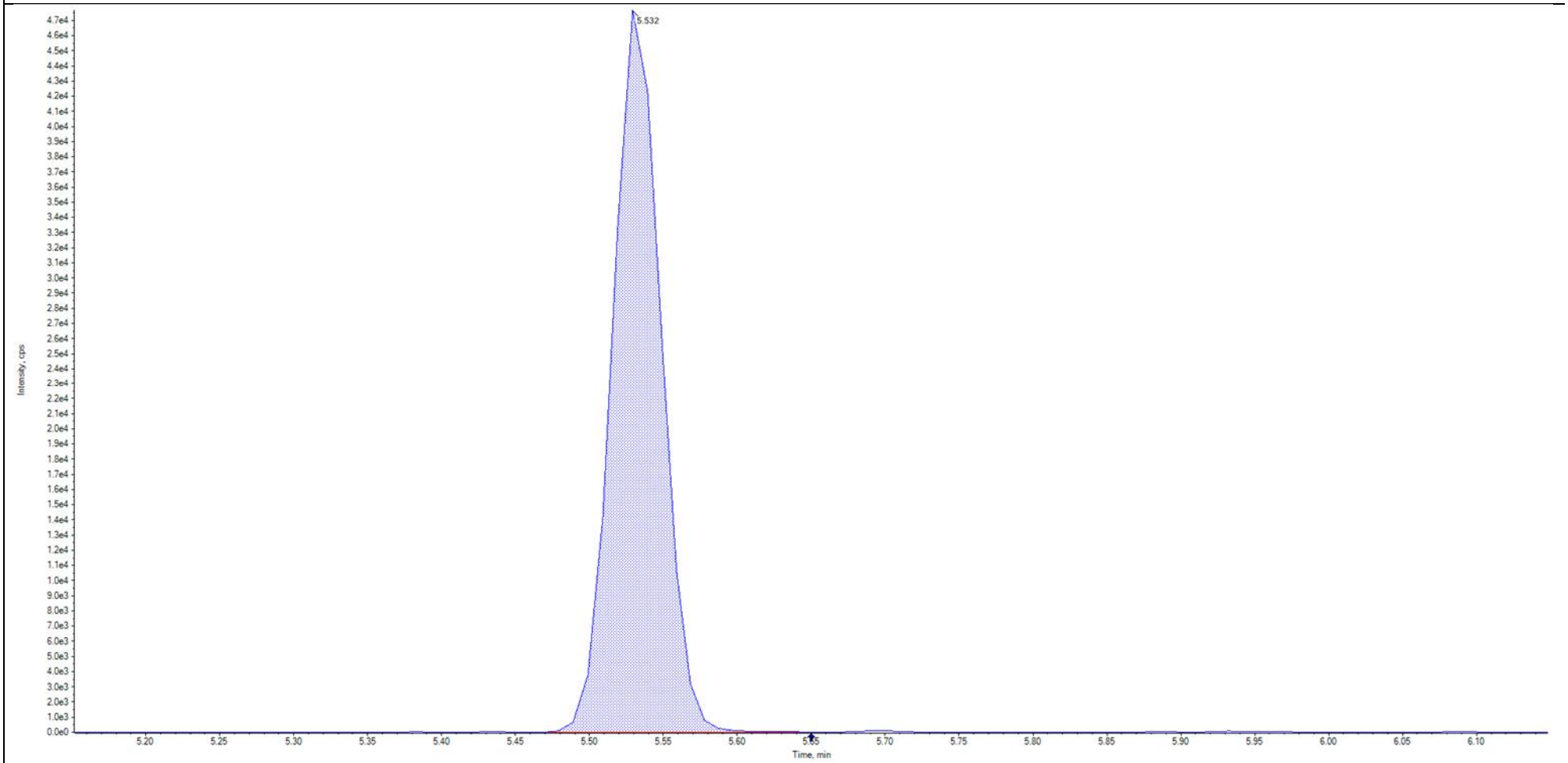
13C7-PFUnA
Sample: WG2011107-1



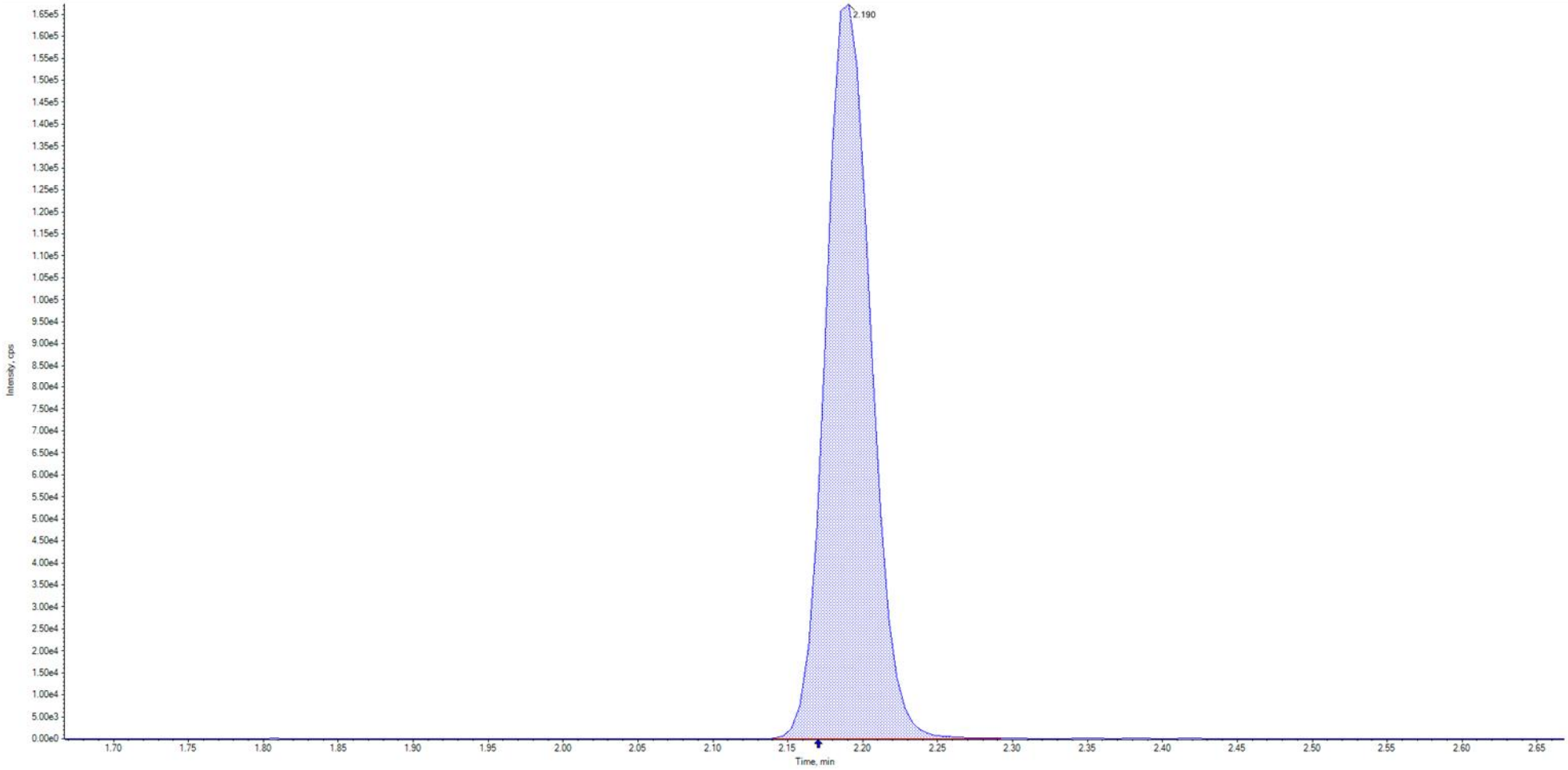
13C2-PFDoA
Sample: WG2011107-1



13C2-PFTeDA
Sample: WG2011107-1



13C3-PFBS
Sample: WG2011107-1



13C3-PFHxS
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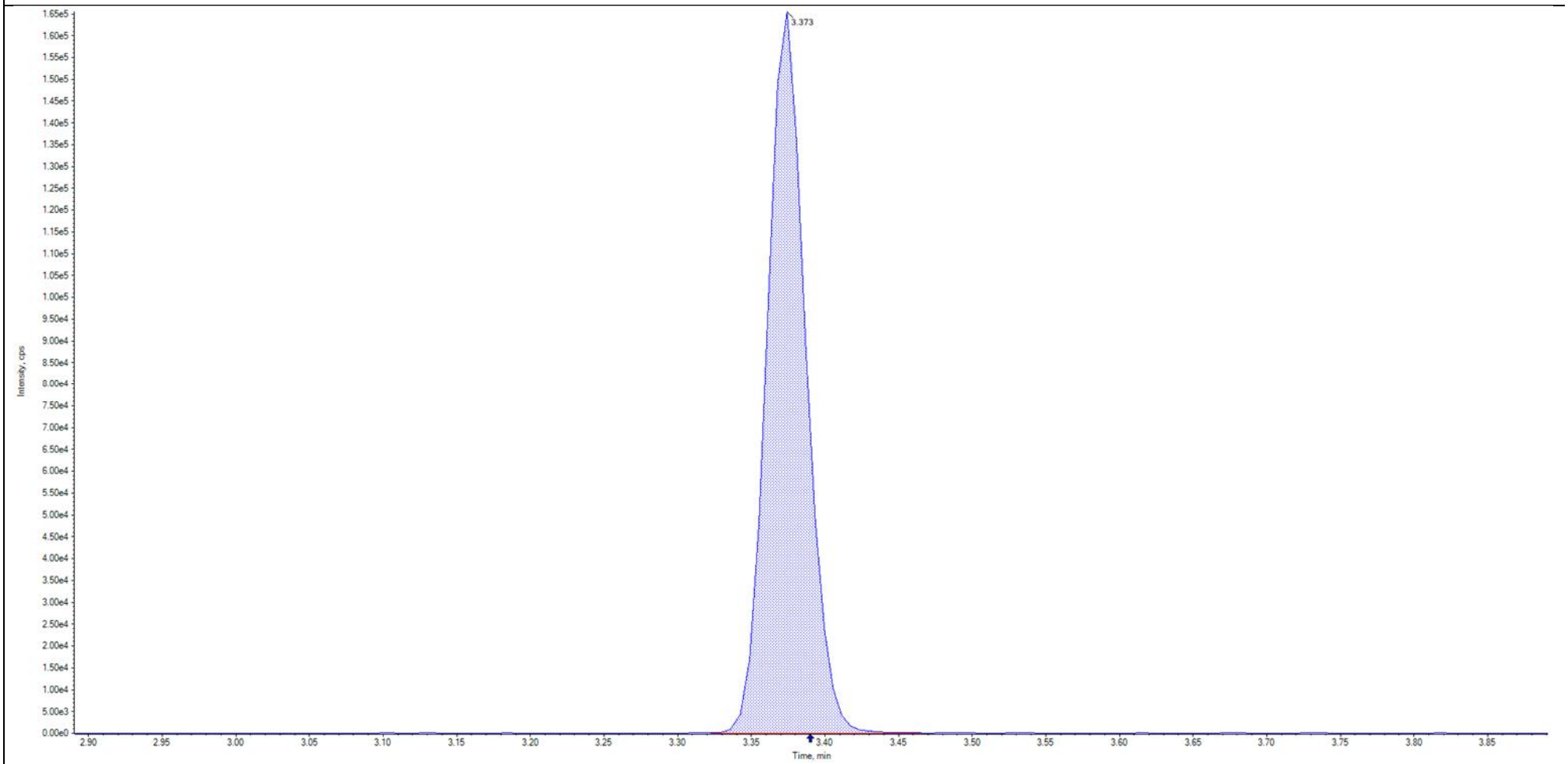
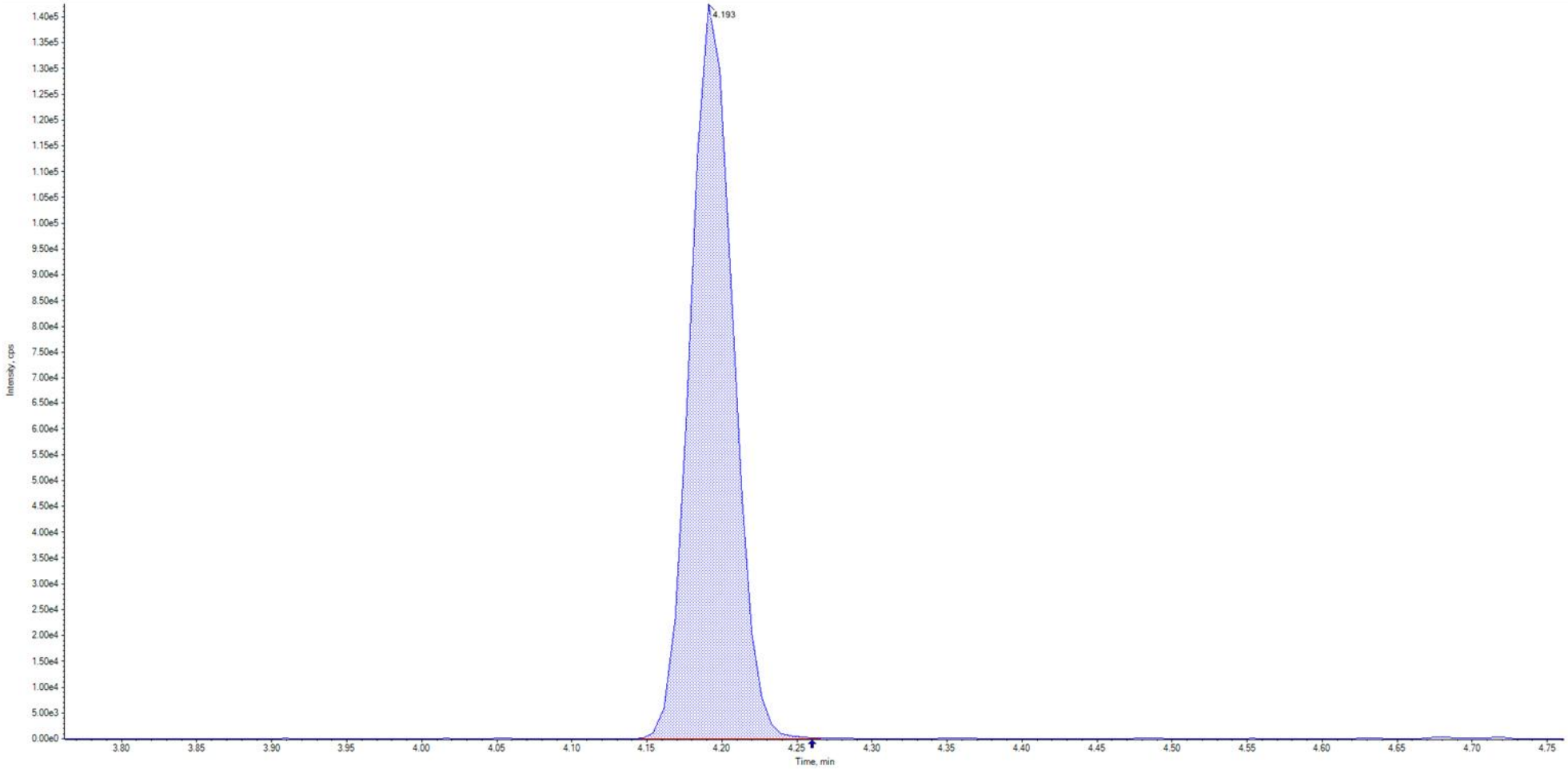


13C8-PFOS
Sample: WG2011107-1



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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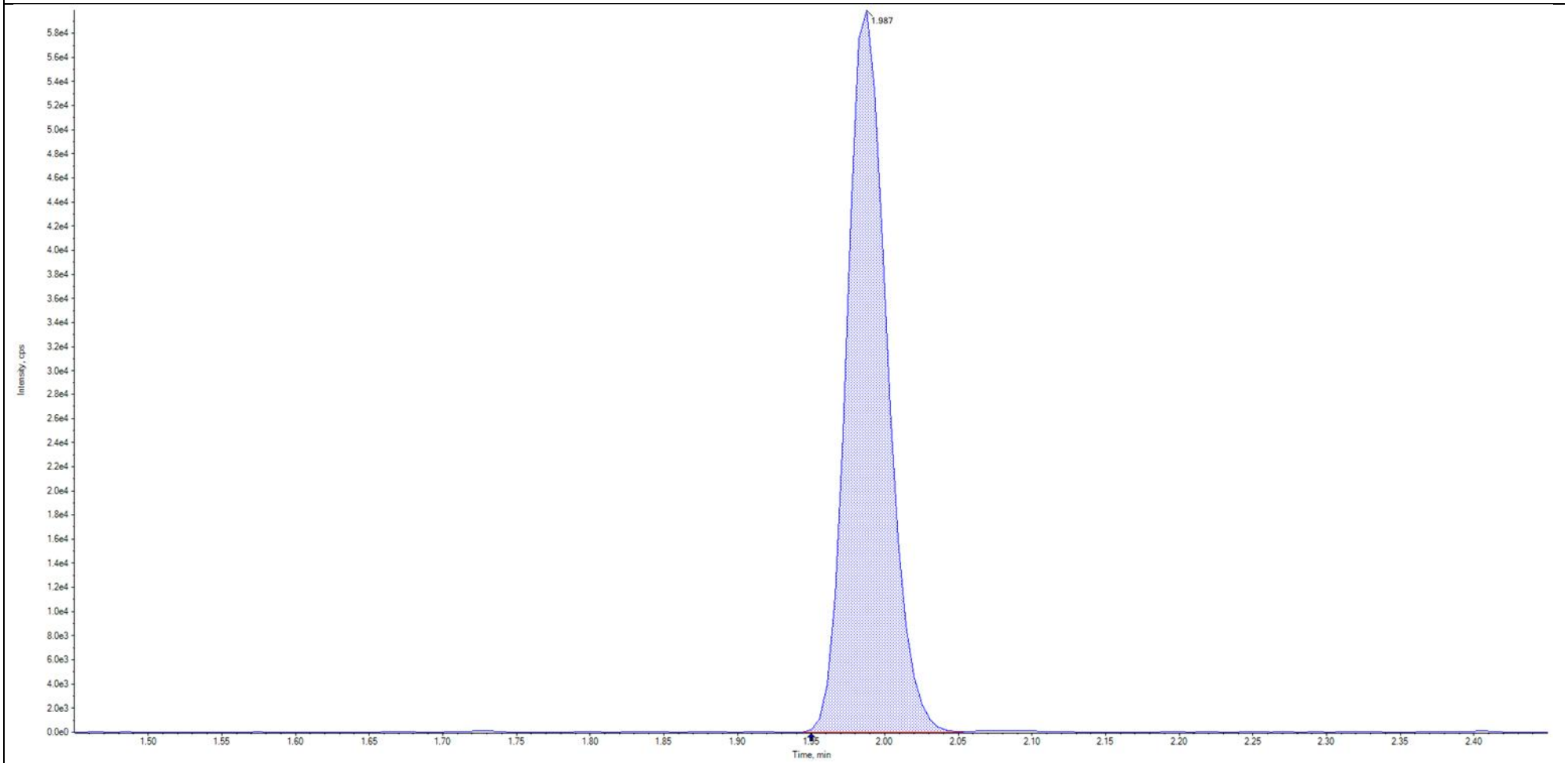
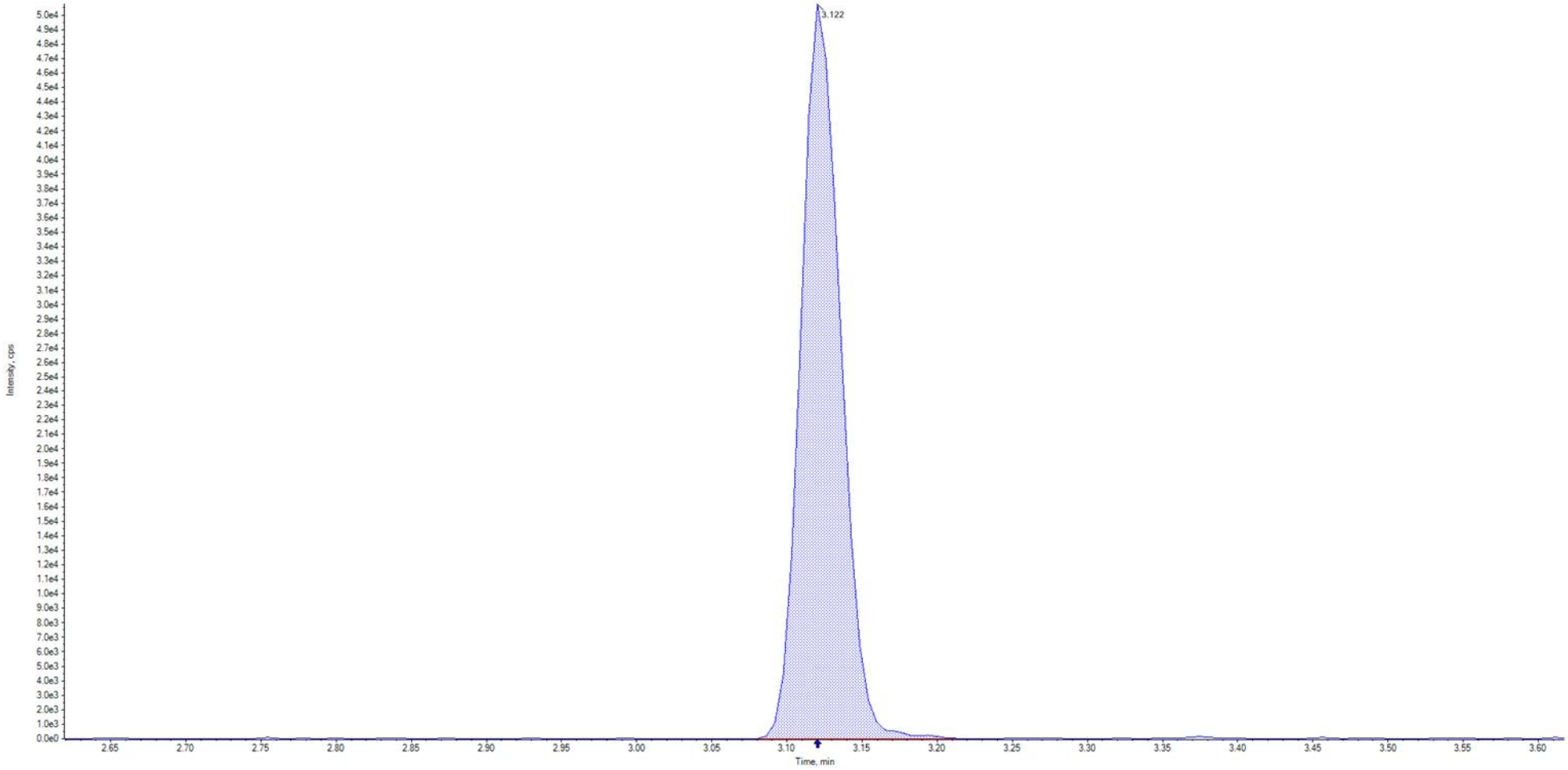
Generated: 12/19/2024 2:27:31 PM

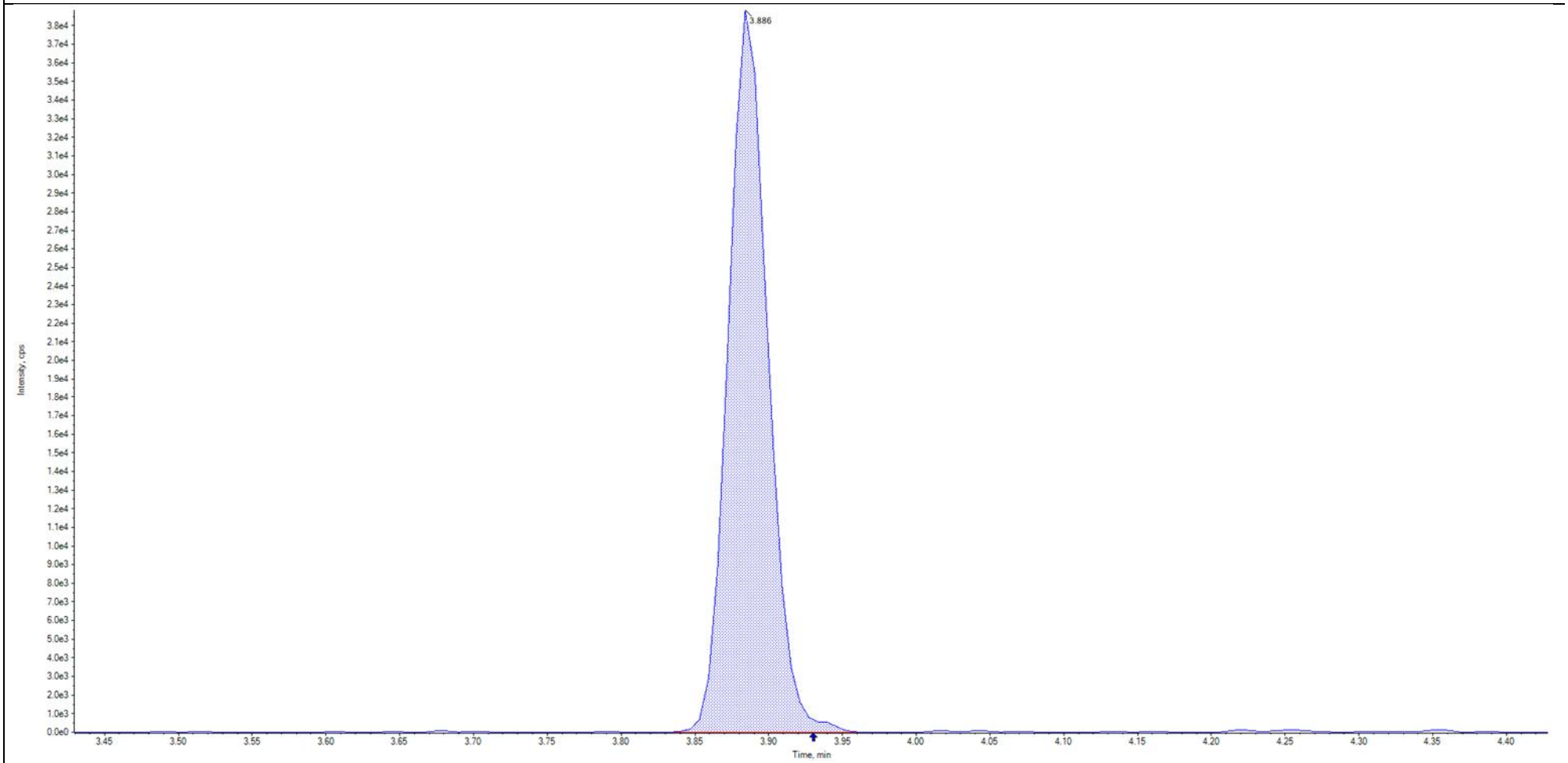
13C2-4:2FTS
Sample: WG2011107-1



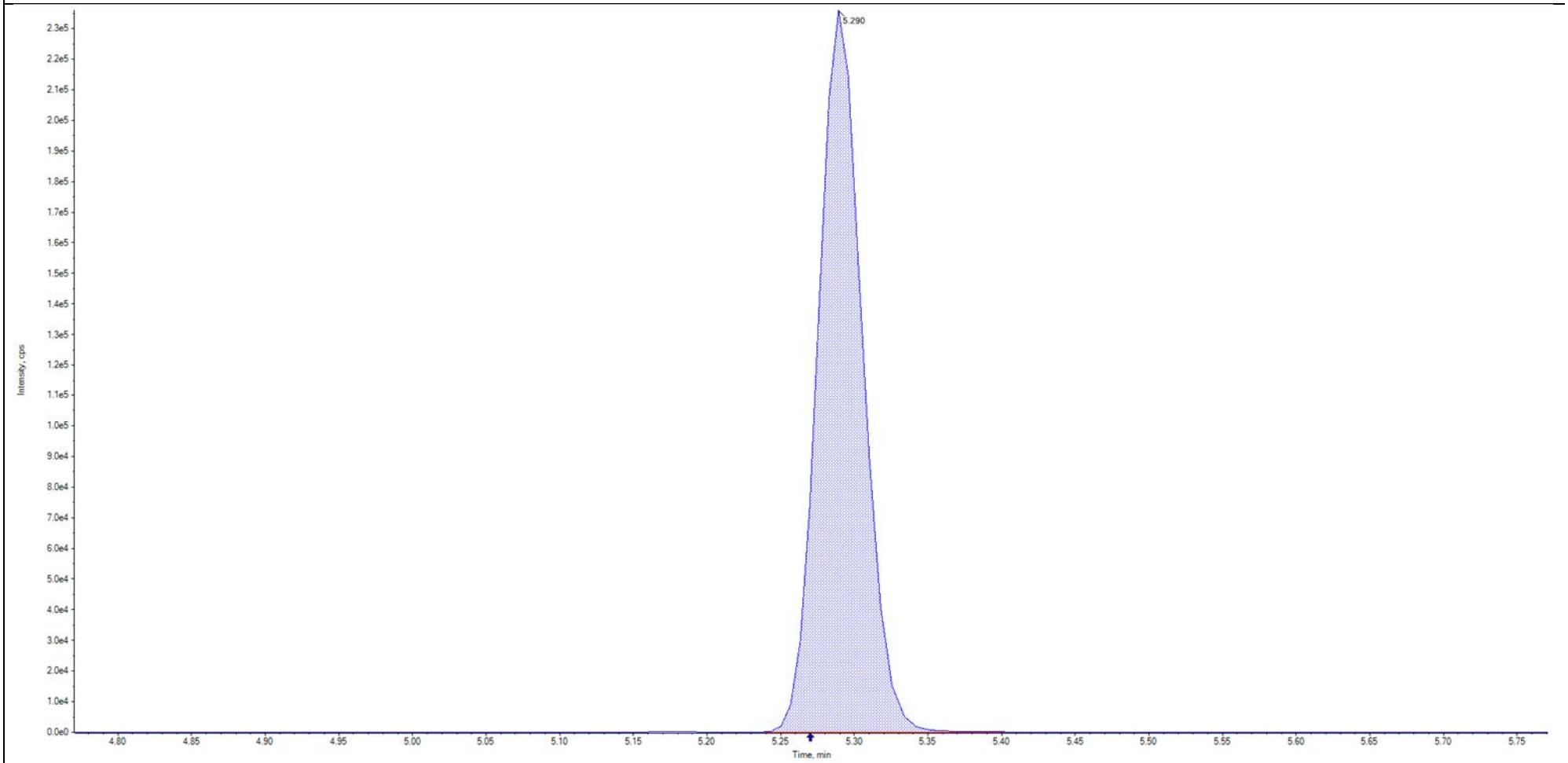
13C2-6:2FTS
Sample: WG2011107-1



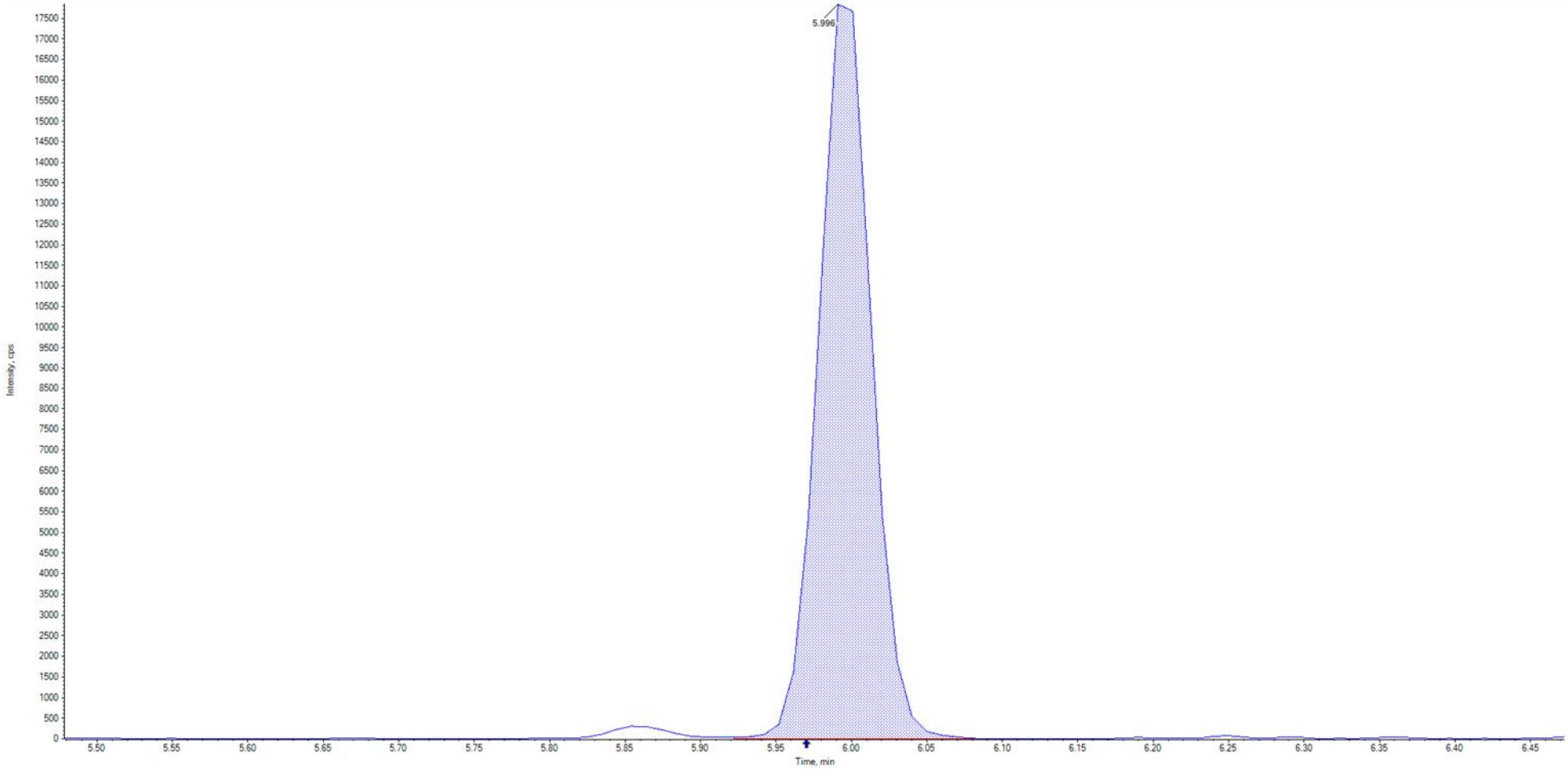
13C2-8:2FTS
Sample: WG2011107-1



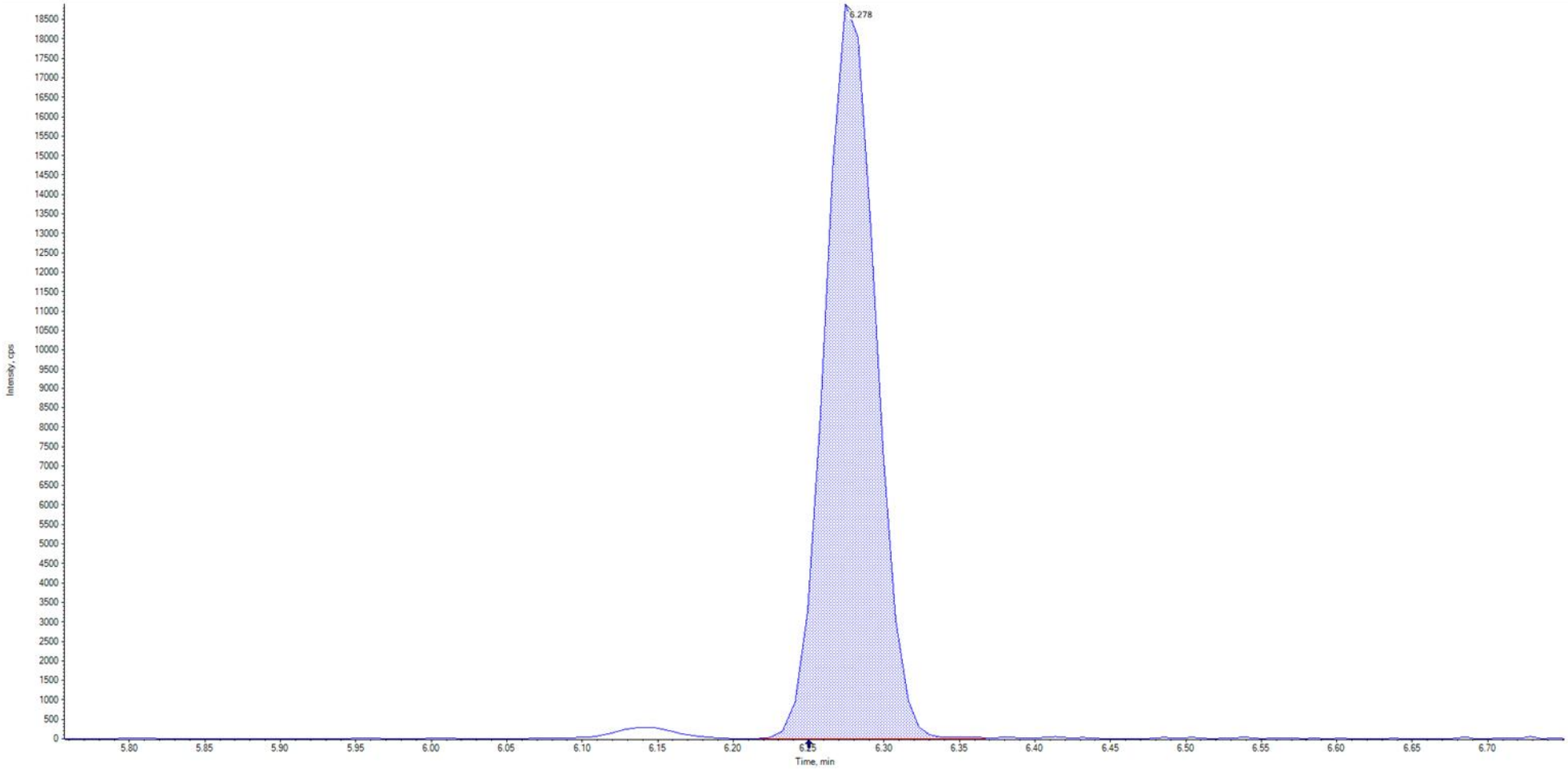
13C8-PFOSA
Sample: WG2011107-1



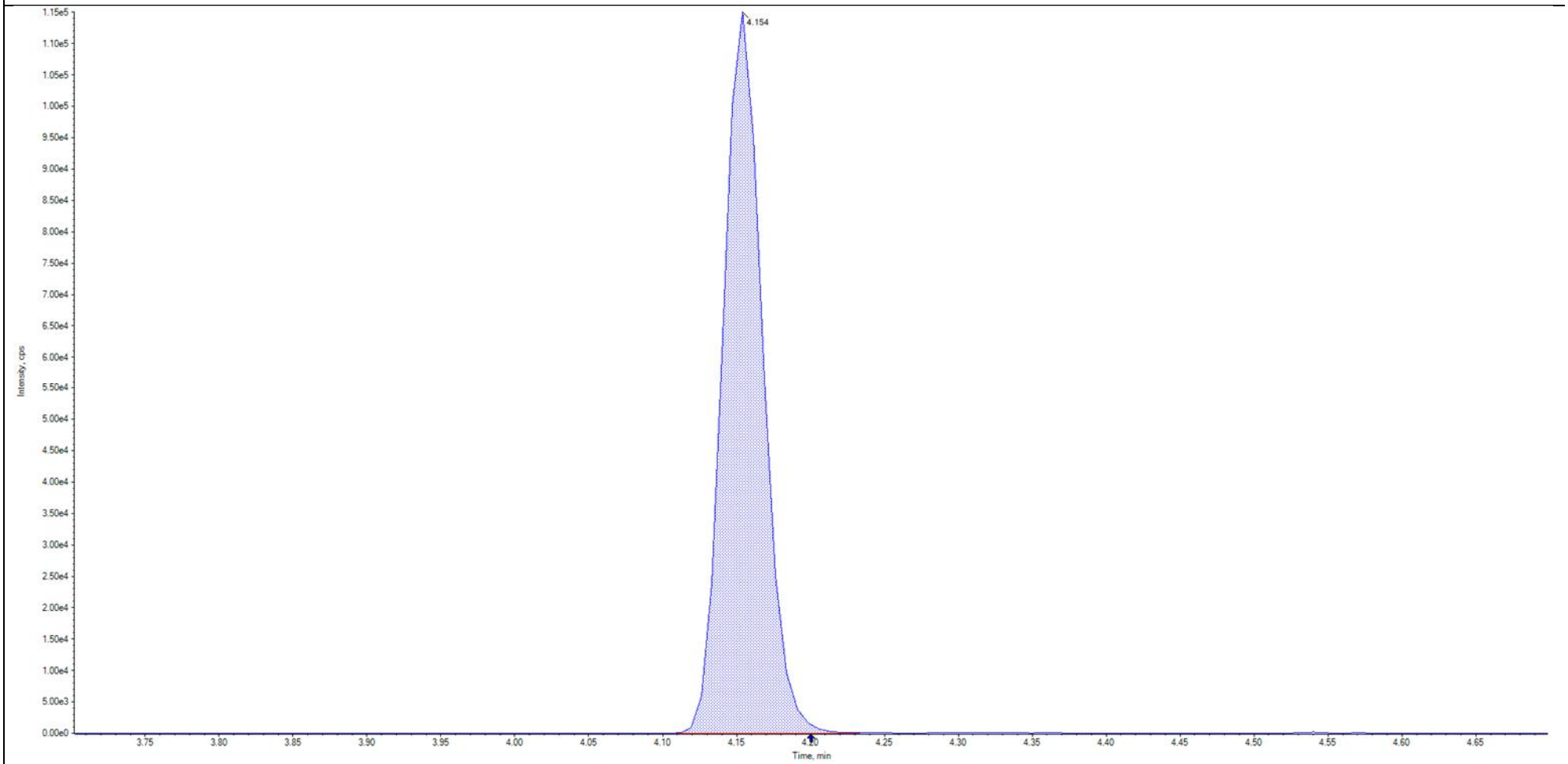
d3-NMeFOSA
Sample: WG2011107-1



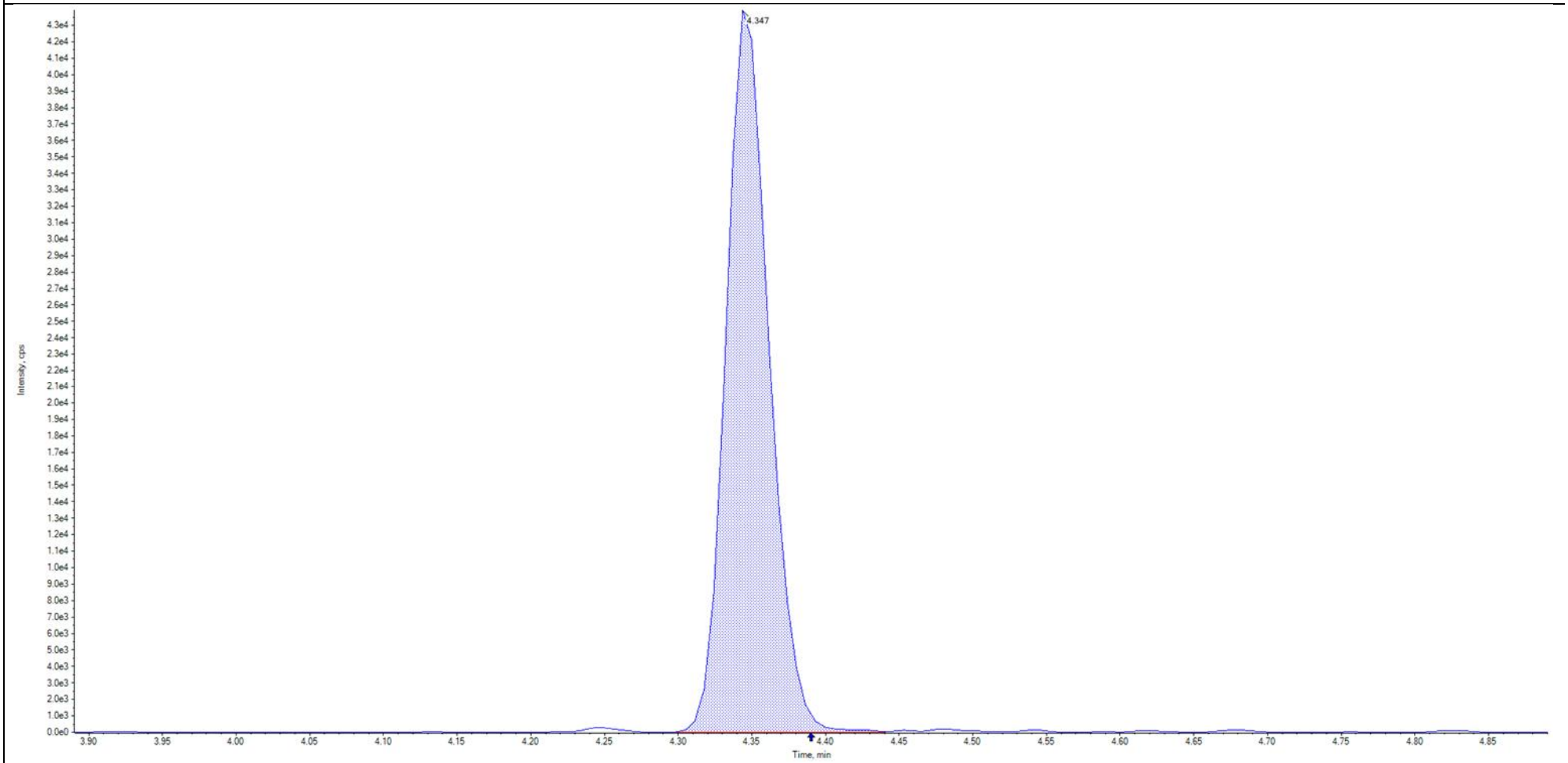
d5-NEtFOSA
Sample: WG2011107-1



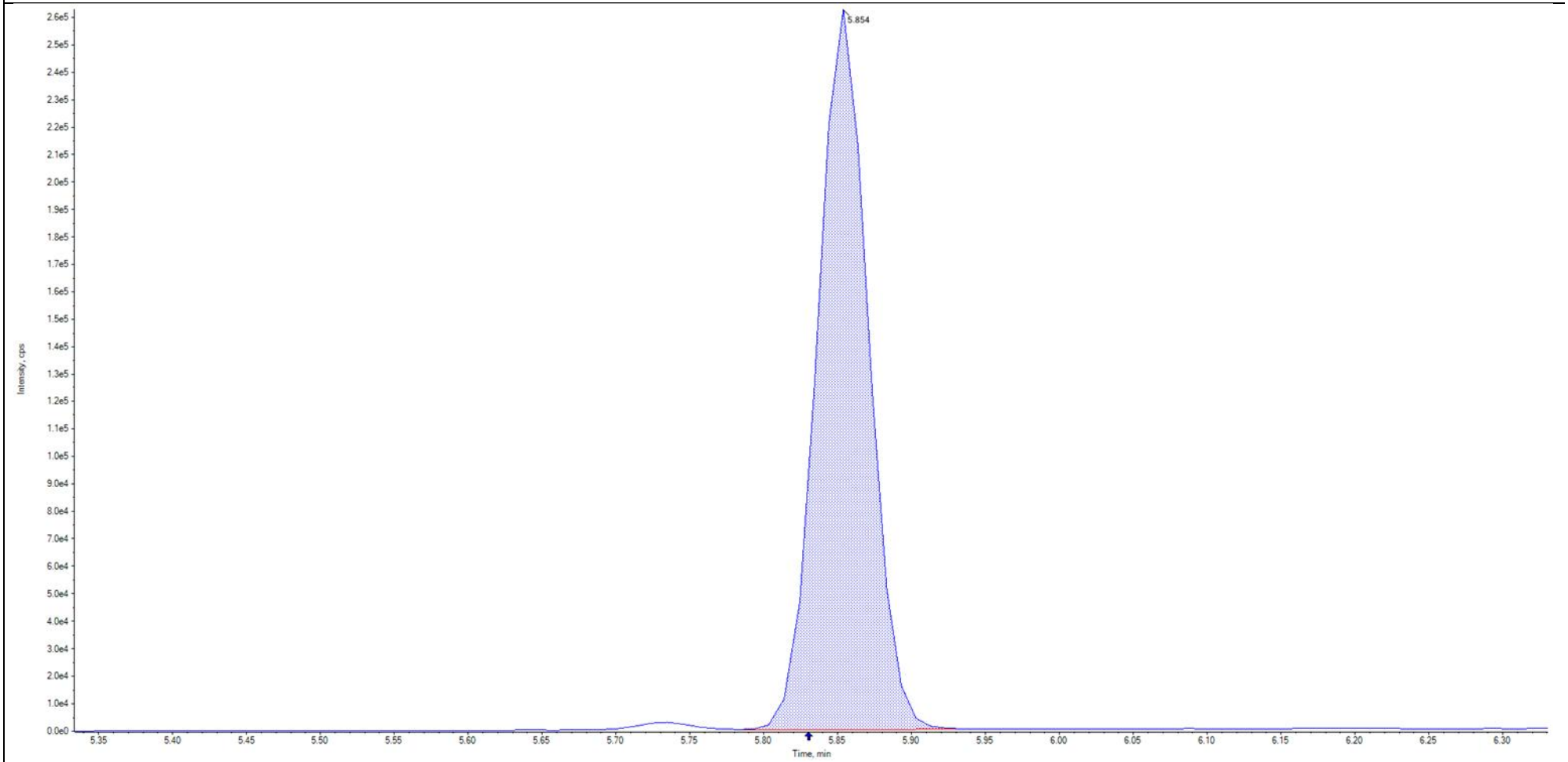
d3-NMeFOSAA
Sample: WG2011107-1



d5-NEtFOSAA
Sample: WG2011107-1



d7-NMeFOSE
Sample: WG2011107-1



d9-NEtFOSE
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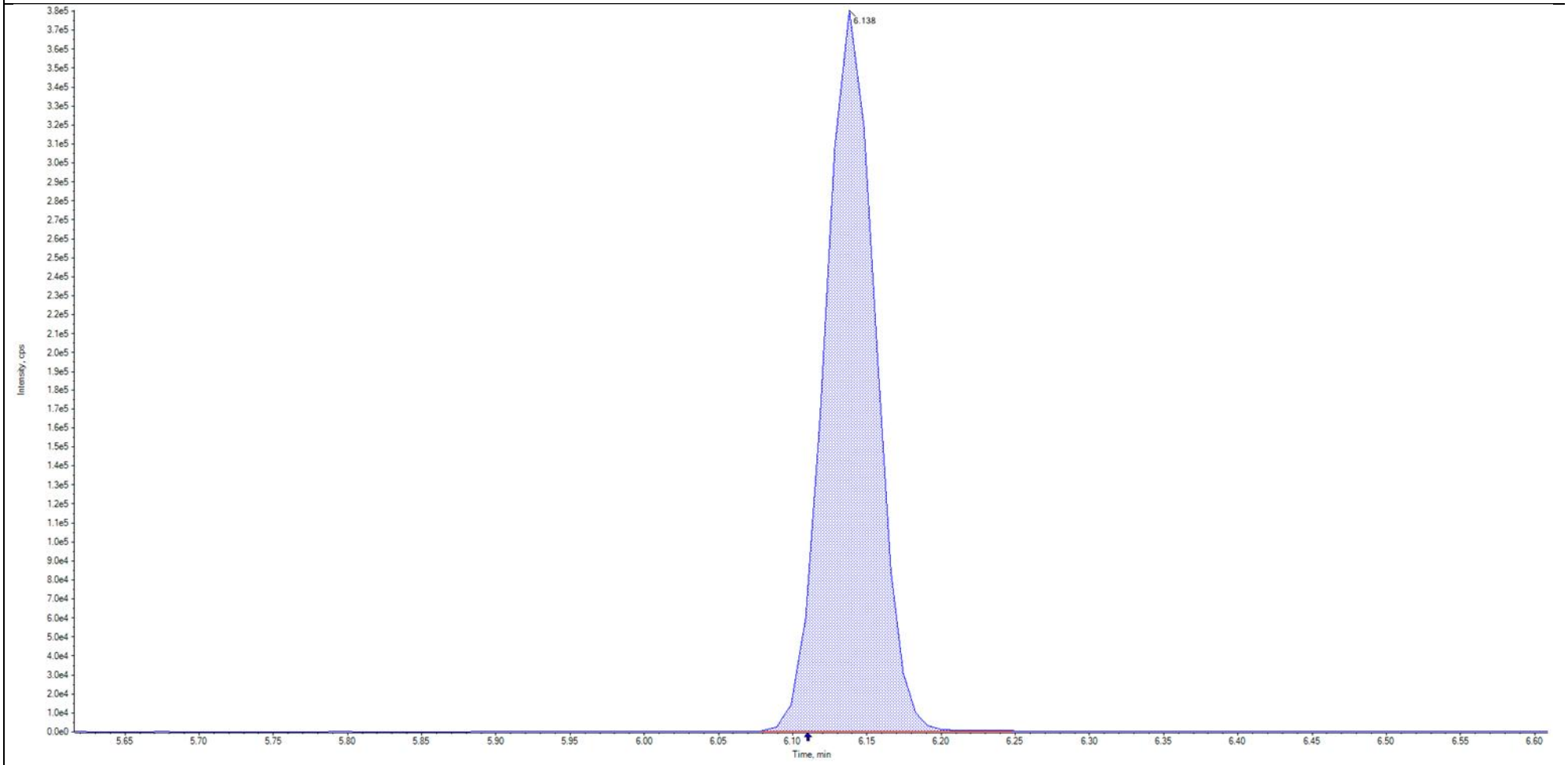
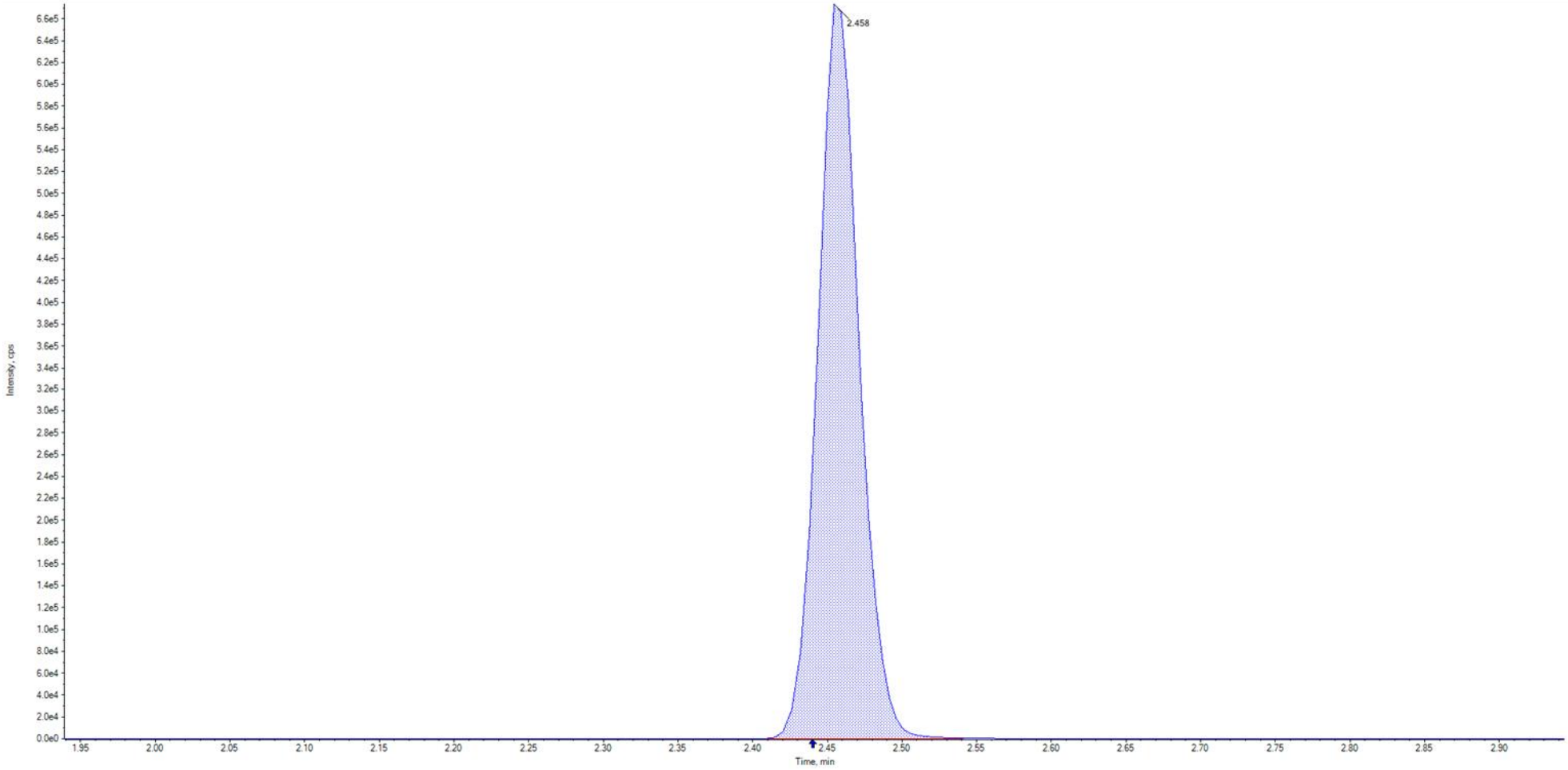
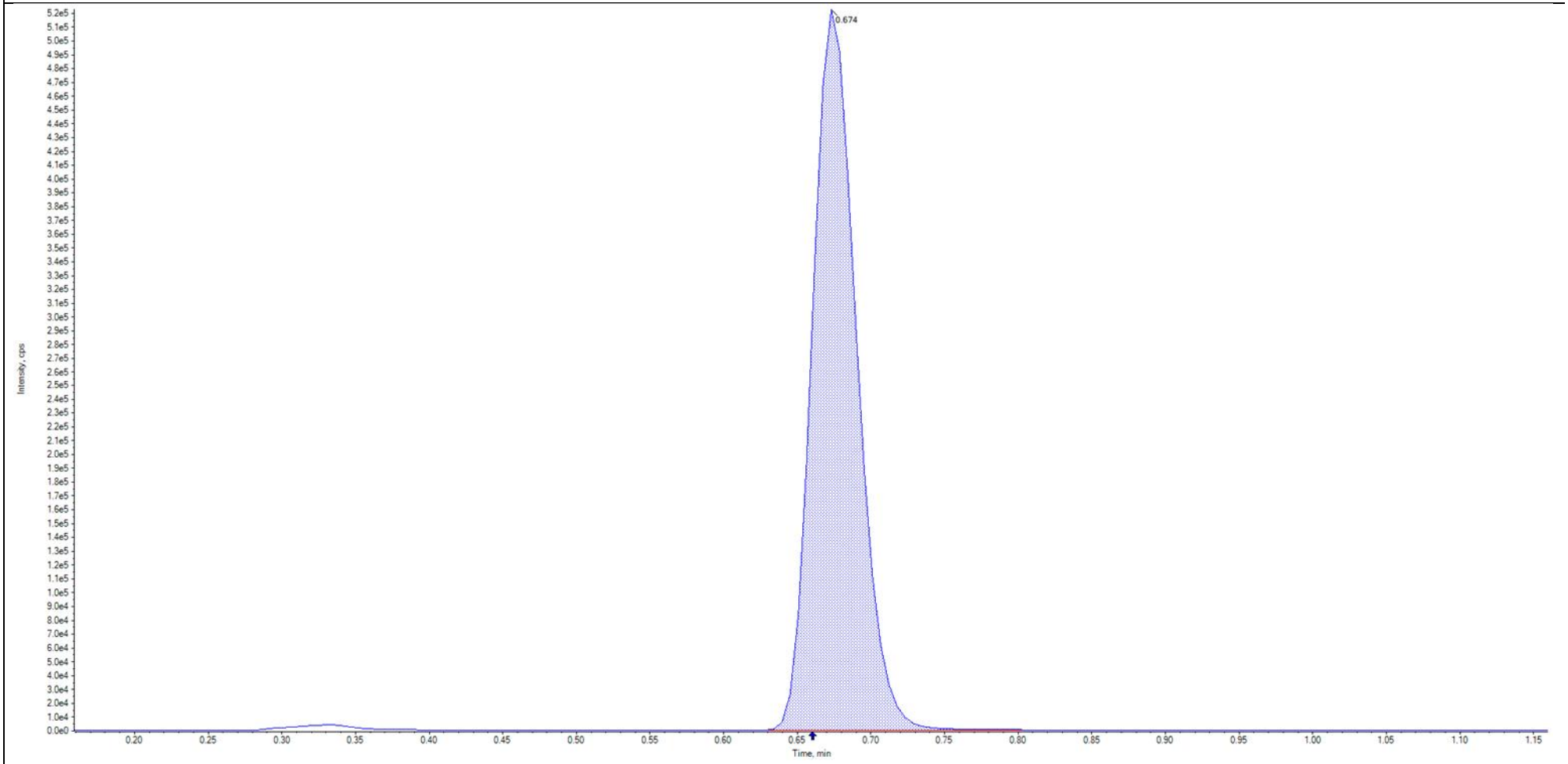


13C3-HFPO-DA
Sample: WG2011107-1

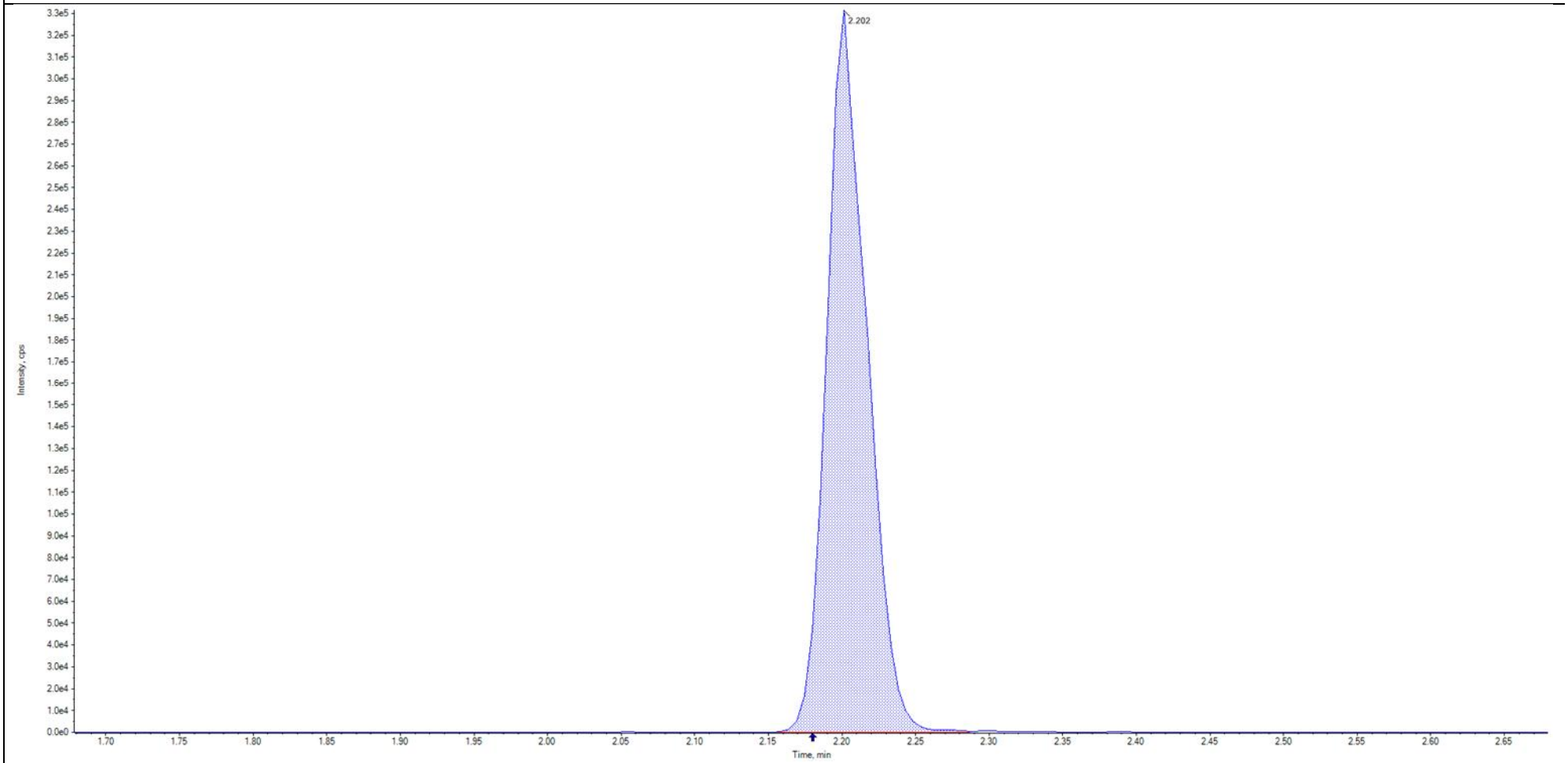


13C3-PFBA
Sample: WG2011107-1

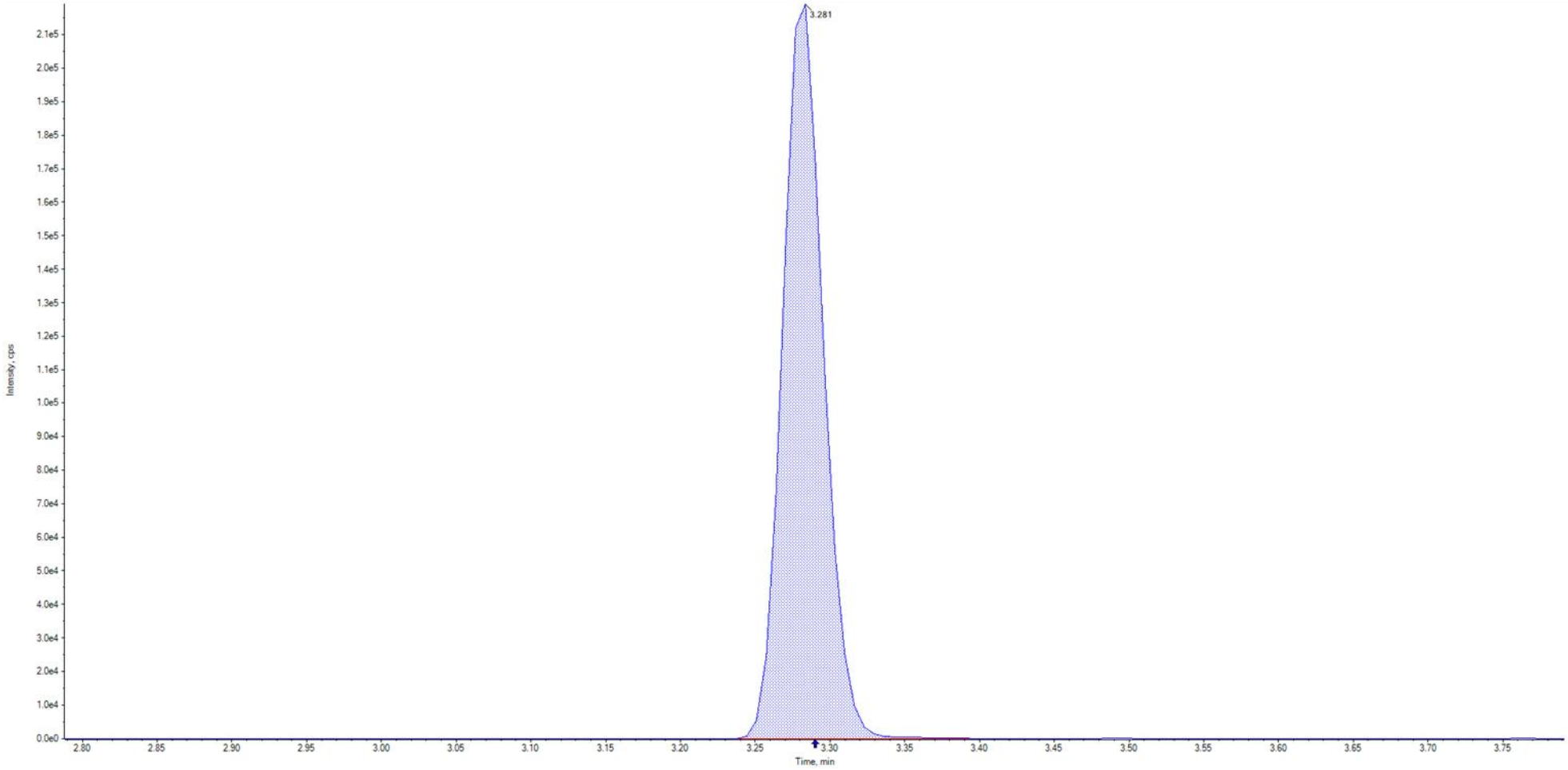


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_67.wiff2_6
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

13C2-PFHxA
Sample: WG2011107-1



13C4-PFOA
Sample: WG2011107-1



13C5-PFNA
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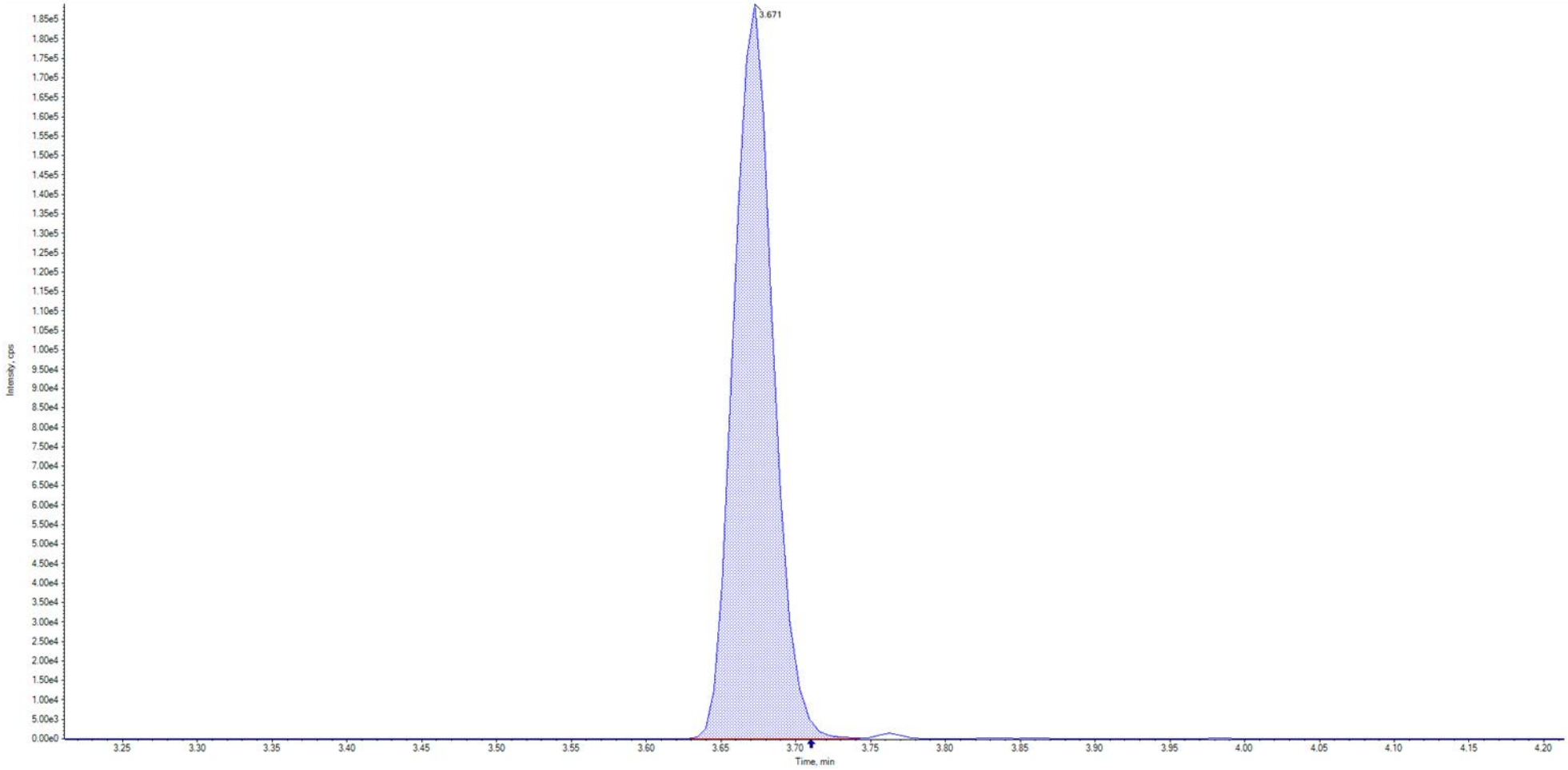
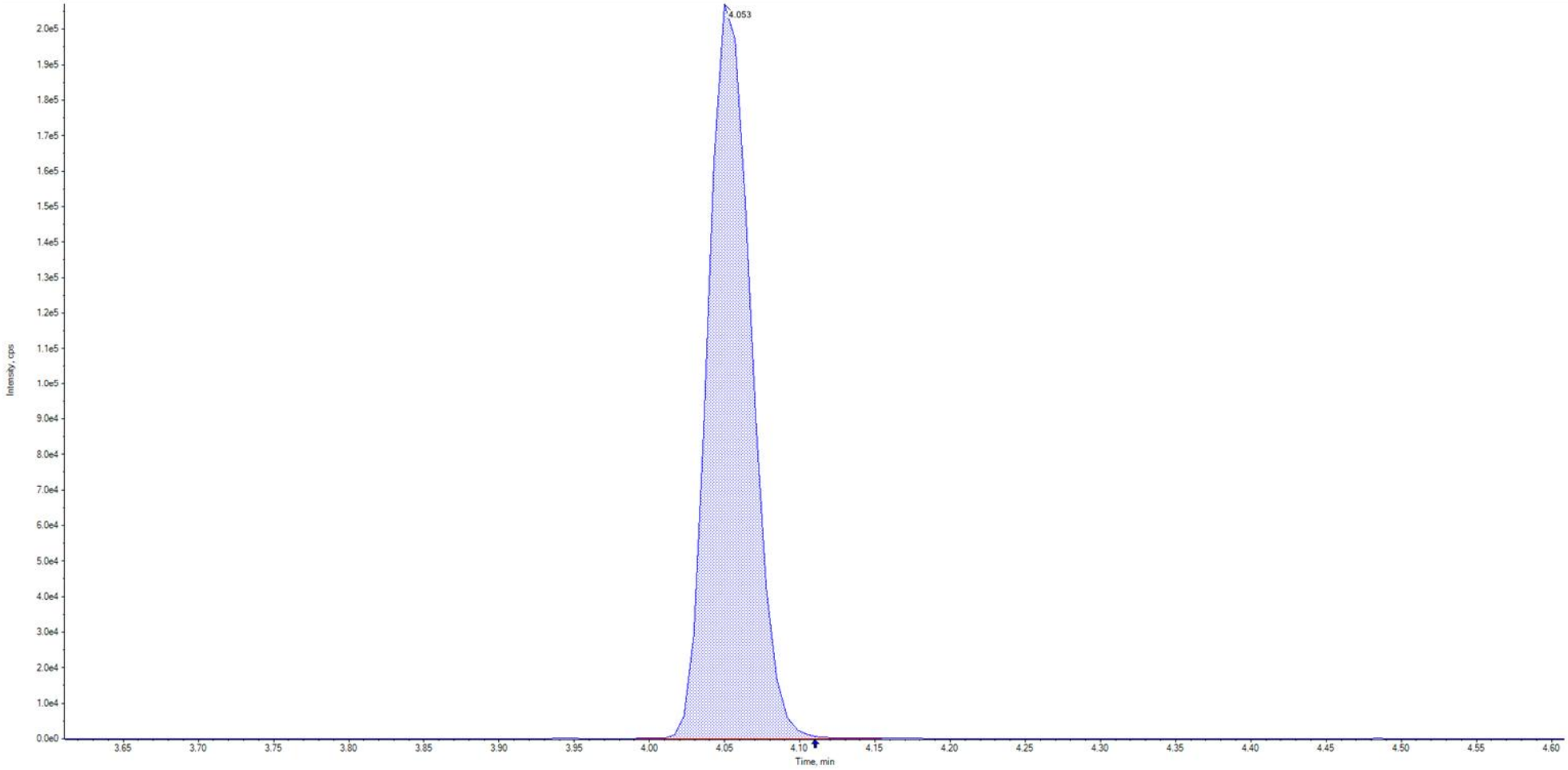
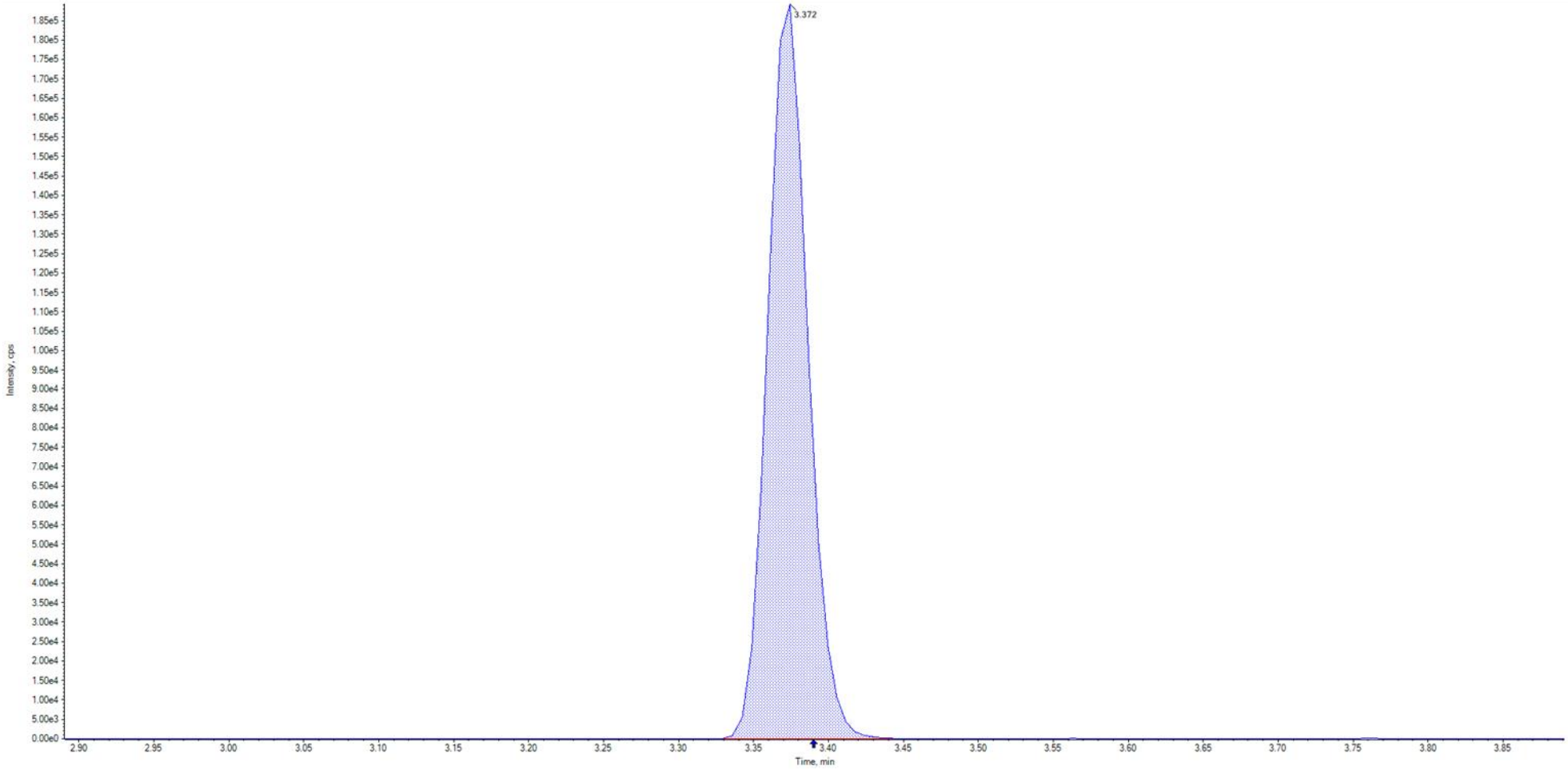


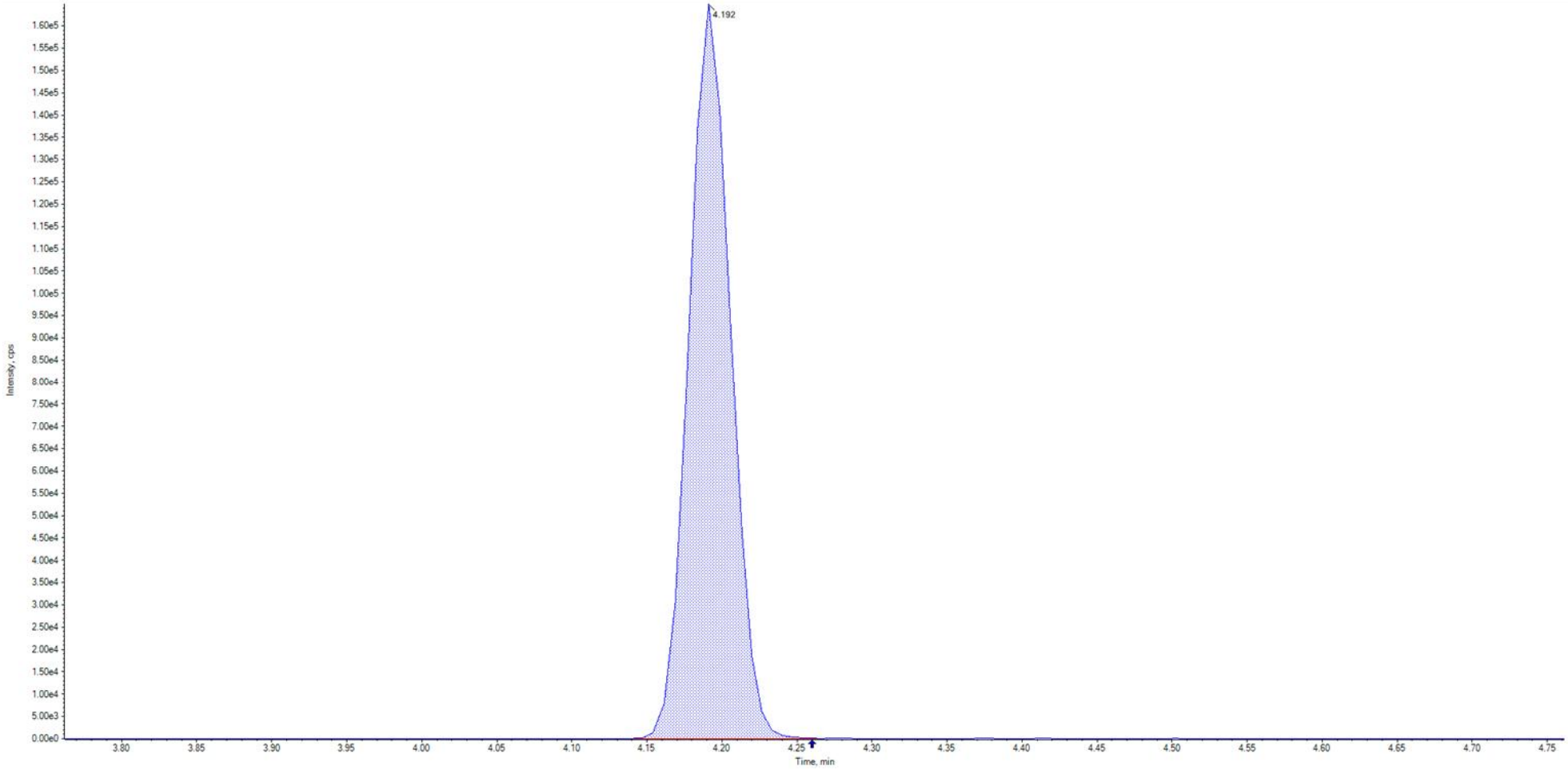
13C2-PFDA
Sample: WG2011107-1



18O2-PFHxS
Sample: WG2011107-1



13C4-PFOS
Sample: WG2011107-1



Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_67.wiff2_6
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

Method: EPA1633F.qmethod
Calibration: 241115_EPA1633_ICAL

ID: WG2011107-2
Name: SCI05_241219_68.wiff2
Date & Time: 2024-12-19T17:50:46
Description: WG2011094,WG2011107,ICAL21712
Instrument: SCIEX Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.68	213.0 / 169.0	280386		1.927	N/A	N/A	N/A	120.5
2	PFPeA	2706-90-3	1.40	263.0 / 219.0	135709		1.023	0.007	N/A	N/A	127.9
3	PFPeA_2	2706-90-3	1.40	263.0 / 68.9	978	M2	0.994	0.007	N/A	N/A	124.2
4	PFHxA	307-24-4	2.20	313.0 / 269.0	86156		0.475	0.085	0.089	Pass	118.7
5	PFHxA_2	307-24-4	2.20	313.0 / 119.0	7317		0.546	0.085	0.089	Pass	136.5
6	PFHpA	375-85-9	2.85	363.1 / 319.0	104597		0.554	0.298	0.332	Pass	138.5
7	PFHpA_2	375-85-9	2.84	363.1 / 169.0	31131		0.514	0.298	0.332	Pass	128.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.28	413.1 / 369.1	105361	M5	0.456	0.353	0.369	Pass	114.1
9	PFOA_2	335-67-1	3.28	413.1 / 169.0	37169	M5	0.436	0.353	0.369	Pass	109.0
10	PFNA	375-95-1	3.67	462.8 / 418.9	90805	M5	0.480	0.322	0.303	Pass	120.0
11	PFNA_2	375-95-1	3.67	462.8 / 219.0	29224	M5	0.518	0.322	0.303	Pass	129.5
12	PFDA	335-76-2	4.05	513.1 / 469.1	84042		0.479	0.180	0.162	Pass	119.7
13	PFDA_2	335-76-2	4.05	513.1 / 219.0	15156		0.523	0.180	0.162	Pass	130.8
14	PFUnA	2058-94-8	4.42	563.1 / 519.1	65624		0.460	0.196	0.199	Pass	115.0
15	PFUnA_2	2058-94-8	4.42	563.1 / 269.0	12846		0.464	0.196	0.199	Pass	116.0
16	PFDoA	307-55-1	4.79	613.1 / 569.1	66726		0.510	0.183	0.180	Pass	127.4
17	PFDoA_2	307-55-1	4.79	613.1 / 319.0	12206		0.504	0.183	0.180	Pass	126.0
18	PFTrDA	72629-94-8	5.16	663.1 / 619.1	65562		0.505	0.161	0.160	Pass	126.3
19	PFTrDA_2	72629-94-8	5.16	663.1 / 169.0	10561		0.505	0.161	0.160	Pass	126.3
20	PFTeDA	376-06-7	5.52	713.1 / 669.1	65752		0.467	0.145	0.149	Pass	116.8
21	PFTeDA_2	376-06-7	5.52	713.1 / 169.0	9527		0.464	0.145	0.149	Pass	116.0
22	PFBS	375-73-5	2.19	299.1 / 80.1	56340		0.432	0.380	0.388	Pass	121.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.19	299.1 / 99.1	21417		0.413	0.380	0.388	Pass	116.1
24	PFPeS	2706-91-4	2.90	349.1 / 80.1	51606		0.451	0.286	0.297	Pass	120.0
25	PFPeS_2	2706-91-4	2.90	349.1 / 99.1	14782		0.445	0.286	0.297	Pass	118.4
26	PFHxS	355-46-4	3.37	399.1 / 80.1	47958	M5	0.465	0.324	0.296	Pass	127.7
27	PFHxS_2	355-46-4	3.37	399.1 / 99.1	15532	M5	0.490	0.324	0.296	Pass	134.5
28	PFHpS	375-92-8	3.79	449.1 / 80.1	47166		0.426	0.247	0.258	Pass	112.2
29	PFHpS_2	375-92-8	3.79	449.1 / 99.1	11649		0.400	0.247	0.258	Pass	105.3
30	PFOS	1763-23-1	4.18	499.1 / 80.1	54869	M5	0.450	0.197	0.233	Pass	120.9
31	PFOS_2	1763-23-1	4.18	499.1 / 99.1	10798	M5	0.397	0.197	0.233	Pass	106.6
32	PFNS	68259-12-1	4.57	549.1 / 80.1	36036		0.449	0.315	0.296	Pass	116.8
33	PFNS_2	68259-12-1	4.57	549.1 / 99.1	11343		0.482	0.315	0.296	Pass	125.6
34	PFDS	335-77-3	4.95	599.1 / 80.1	33200		0.420	0.281	0.272	Pass	108.8
35	PFDS_2	335-77-3	4.95	599.1 / 99.1	9341		0.422	0.281	0.272	Pass	109.3
36	PFDoS	79780-39-5	5.67	699.2 / 80.1	34365		0.474	0.222	0.263	Pass	122.3
37	PFDoS_2	79780-39-5	5.67	699.2 / 99.1	7639		0.402	0.222	0.263	Pass	103.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.98	327.1 / 307.1	68626		1.842	0.584	0.559	Pass	122.8
39	4:2FTS_2	757124-72-4	1.98	327.1 / 81.1	40063		1.905	0.584	0.559	Pass	127.0
40	6:2FTS	27619-97-2	3.12	427.2 / 407.2	54869		2.067	0.635	0.593	Pass	135.8
41	6:2FTS_2	27619-97-2	3.11	427.2 / 81.1	34860		2.116	0.635	0.593	Pass	139.0
42	8:2FTS	39108-34-4	3.88	527.2 / 507.2	34543		1.883	0.851	0.759	Pass	122.6
43	8:2FTS_2	39108-34-4	3.88	527.2 / 81.1	29388		2.158	0.851	0.759	Pass	140.5
44	PFOSA	754-91-6	5.28	498.1 / 78.1	64084	M5	0.485	0.027	0.023	Pass	121.2
45	PFOSA_2	754-91-6	5.28	498.1 / 478.0	1745	M5	0.558	0.027	0.023	Pass	139.5
46	NMeFOSA	31506-32-8	5.99	512.2 / 219.0	8443	M5	0.524	1.324	1.457	Pass	131.1
47	NMeFOSA_2	31506-32-8	5.93	512.2 / 169.0	11183	M5	0.478	1.324	1.457	Pass	119.6
48	NEtFOSA	4151-50-2	6.27	526.2 / 219.0	8597	M5	0.529	1.232	1.309	Pass	132.3
49	NEtFOSA_2	4151-50-2	6.24	526.2 / 169.0	10590	M5	0.497	1.232	1.309	Pass	124.2
50	NMeFOSAA	2355-31-9	4.15	570.2 / 419.1	17131	M5	0.459	0.690	0.804	Pass	114.9
51	NMeFOSAA_2	2355-31-9	4.15	570.2 / 483.0	11823	M5	0.415	0.690	0.804	Pass	103.9
52	NEtFOSAA	2991-50-6	4.34	584.2 / 419.1	10308		0.506	0.472	0.419	Pass	126.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.34	584.2 / 526.2	4866	M5	0.542	0.472	0.419	Pass	135.5
54	NMeFOSE	24448-09-7	5.86	616.1 / 58.9	323586	M5	4.682	N/A	N/A	N/A	117.1
55	NEtFOSE	1691-99-2	6.15	630.0 / 58.9	532489		4.622	N/A	N/A	N/A	115.6
56	HFPO-DA	13252-13-6	2.45	285.0 / 169.0	165565		1.764	0.766	0.685	Pass	110.2
57	HFPO-DA_2	13252-13-6	2.45	285.0 / 184.9	126747		2.062	0.766	0.685	Pass	128.9
58	ADONA	919005-14-4	3.01	376.9 / 251.0	270063		1.660	1.256	0.884	Pass	109.8
59	ADONA_2	919005-14-4	3.01	376.9 / 84.8	339144		2.072	1.256	0.884	Pass	137.1
60	9Cl-PF3ONS	756426-58-1	4.45	530.8 / 351.1	523055		1.987	0.312	0.325	Pass	133.2
61	9Cl-PF3ONS_2	756426-58-1	4.45	532.8 / 353.0	163440		1.904	0.312	0.325	Pass	127.6
62	11Cl-PF3OUdS	763051-92-9	5.20	630.9 / 451.0	291365		1.683	0.354	0.338	Pass	111.6
63	11Cl-PF3OUdS_2	763051-92-9	5.20	632.9 / 452.9	103086		1.697	0.354	0.338	Pass	112.5
64	3:3FTCA	356-02-5	1.86	241.1 / 177.1	17917		2.385	1.401	1.433	Pass	119.3
65	3:3FTCA_2	356-02-5	1.86	241.1 / 117.0	25108		2.173	1.401	1.433	Pass	108.7
66	5:3FTCA	914637-49-3	3.28	341.1 / 237.1	534604		12.468	0.957	0.935	Pass	124.7
67	5:3FTCA_2	914637-49-3	3.28	341.1 / 217.0	511771		12.895	0.957	0.935	Pass	129.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.18	441.1 / 316.9	201467		8.256	1.900	1.712	Pass	82.6
69	7:3FTCA_2	812-70-4	4.18	441.1 / 337.1	382793		8.486	1.900	1.712	Pass	84.9
70	PFEESA	113507-82-7	2.55	315.1 / 135.0	321736		0.899	0.082	0.084	Pass	126.0
71	PFEESA_2	113507-82-7	2.55	315.1 / 82.9	26251		0.861	0.082	0.084	Pass	120.6
72	PFMPA	377-73-1	0.86	229.0 / 85.0	163701		0.840	N/A	N/A	N/A	105.0
73	PFMBA	863090-89-5	1.70	279.0 / 85.0	184511		0.961	N/A	N/A	N/A	120.1
74	NFDHA	151772-58-6	2.12	295.0 / 201.0	80483		1.302	0.707	0.781	Pass	162.8
75	NFDHA_2	151772-58-6	2.12	295.0 / 84.9	56869		1.198	0.707	0.781	Pass	149.7
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.150	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.150	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.68	217.0 / 172.0	1724859		7.429	NA	NA	NA	74.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.39	268.0 / 223.0	766338		3.946	NA	NA	NA	78.9
	13C5-PFHxA	EIS	2.20	318.0 / 273.0	296107		1.774	NA	NA	NA	71.0
	13C4-PFHpA	EIS	2.84	367.0 / 322.0	198214		1.729	NA	NA	NA	69.2
	13C8-PFOA	EIS	3.27	420.8 / 376.0	793261		2.030	NA	NA	NA	81.2
	13C9-PFNA	EIS	3.66	472.0 / 427.0	279156		0.965	NA	NA	NA	77.2
	13C6-PFDA	EIS	4.04	519.0 / 474.0	268101		0.883	NA	NA	NA	70.7
	13C7-PFUnA	EIS	4.42	570.0 / 525.0	231483		0.884	NA	NA	NA	70.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.79	615.1 / 570.0	171447		0.786	NA	NA	NA	62.8
	13C2-PFTeDA	EIS	5.52	715.1 / 670.1	157055		0.804	NA	NA	NA	64.3
	13C3-PFBS	EIS	2.18	302.1 / 80.1	317345		1.762	NA	NA	NA	75.6
	13C3-PFHxS	EIS	3.36	402.1 / 80.1	245012		1.570	NA	NA	NA	66.2
	13C8-PFOS	EIS	4.18	507.1 / 80.1	294630		1.708	NA	NA	NA	71.2
	13C2-4:2FTS	EIS	1.98	329.1 / 81.1	95222		3.187	NA	NA	NA	68.0
	13C2-6:2FTS	EIS	3.11	429.2 / 81.1	80435		2.913	NA	NA	NA	61.2
	13C2-8:2FTS	EIS	3.87	529.2 / 81.1	79701		3.212	NA	NA	NA	66.9

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.28	506.1 / 78.1	478995		1.742	NA	NA	NA	69.7
d3-NMeFOSA	EIS	5.98	515.2 / 219.0	39160		0.969	NA	NA	NA	38.7
d5-NEtFOSA	EIS	6.26	531.2 / 219.0	37610		0.998	NA	NA	NA	39.9
d3-NMeFOSAA	EIS	4.14	573.2 / 419.1	254333		5.977	NA	NA	NA	119.5
d5-NEtFOSAA	EIS	4.33	589.3 / 419.1	105543		2.579	NA	NA	NA	51.6
d7-NMeFOSE	EIS	5.84	623.2 / 58.9	668772		13.993	NA	NA	NA	56.0
d9-NEtFOSE	EIS	6.12	639.2 / 58.9	1005689		14.522	NA	NA	NA	58.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.45	287.0 / 169.0	1016471		8.358	NA	NA	NA	83.6
	13C3-PFBA	NIS	0.67	216.0 / 172.0	1032876		5.221	NA	NA	NA	104.4
	13C2-PFHxA	NIS	2.20	315.0 / 270.0	583549		2.220	NA	NA	NA	88.8
	13C4-PFOA	NIS	3.27	417.0 / 372.0	384739		2.220	NA	NA	NA	88.8
	13C5-PFNA	NIS	3.66	468.0 / 423.0	326225		1.048	NA	NA	NA	83.9
	13C2-PFDA	NIS	4.04	515.1 / 470.1	352915		1.114	NA	NA	NA	89.1
	18O2-PFHxS	NIS	3.36	403.1 / 84.1	316126		2.237	NA	NA	NA	94.4
	13C4-PFOS	NIS	4.18	503.1 / 80.1	299481		2.419	NA	NA	NA	100.8

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

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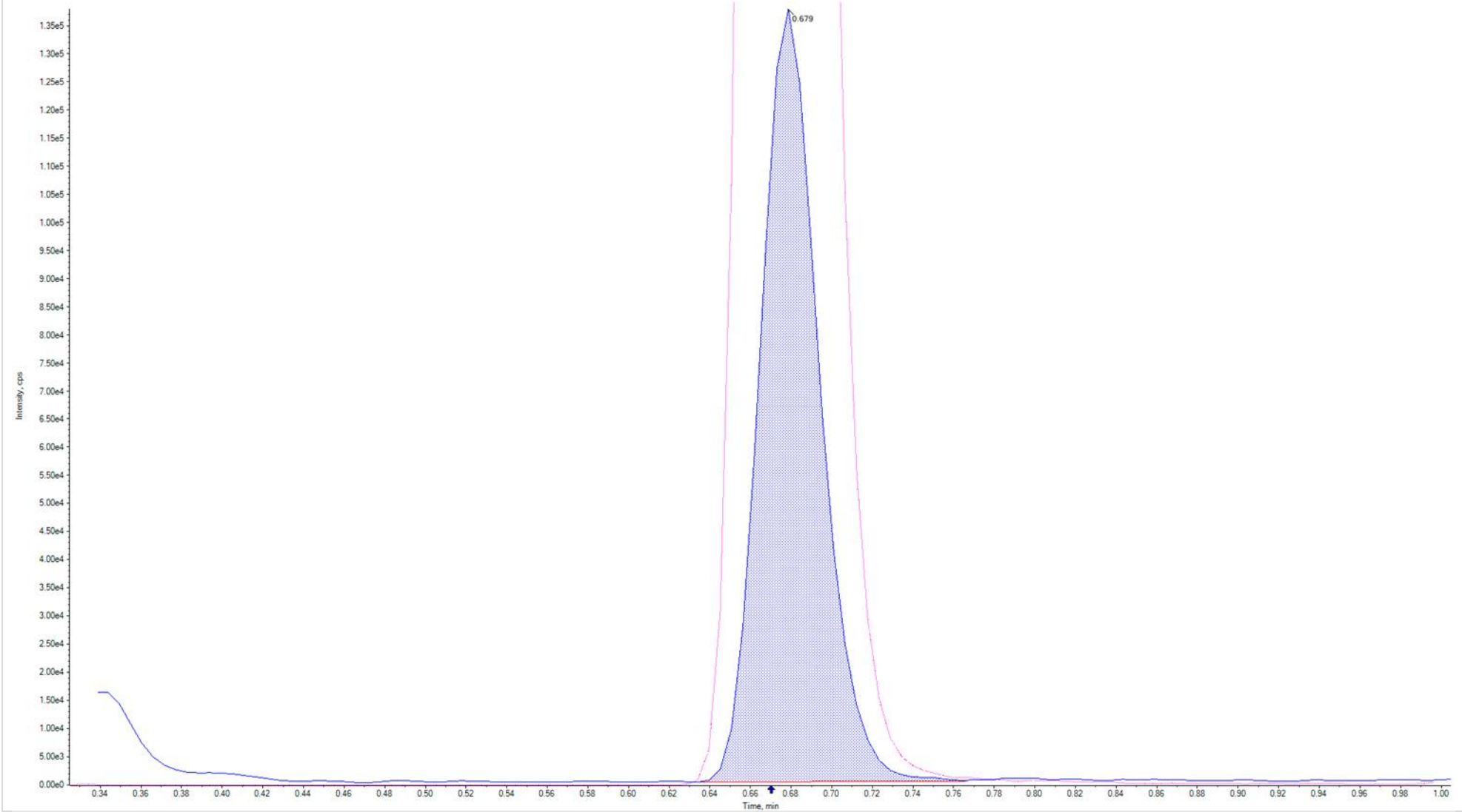
PFBA
Sample: WG2011107-2 S/N:595.8 Points Across peak:26



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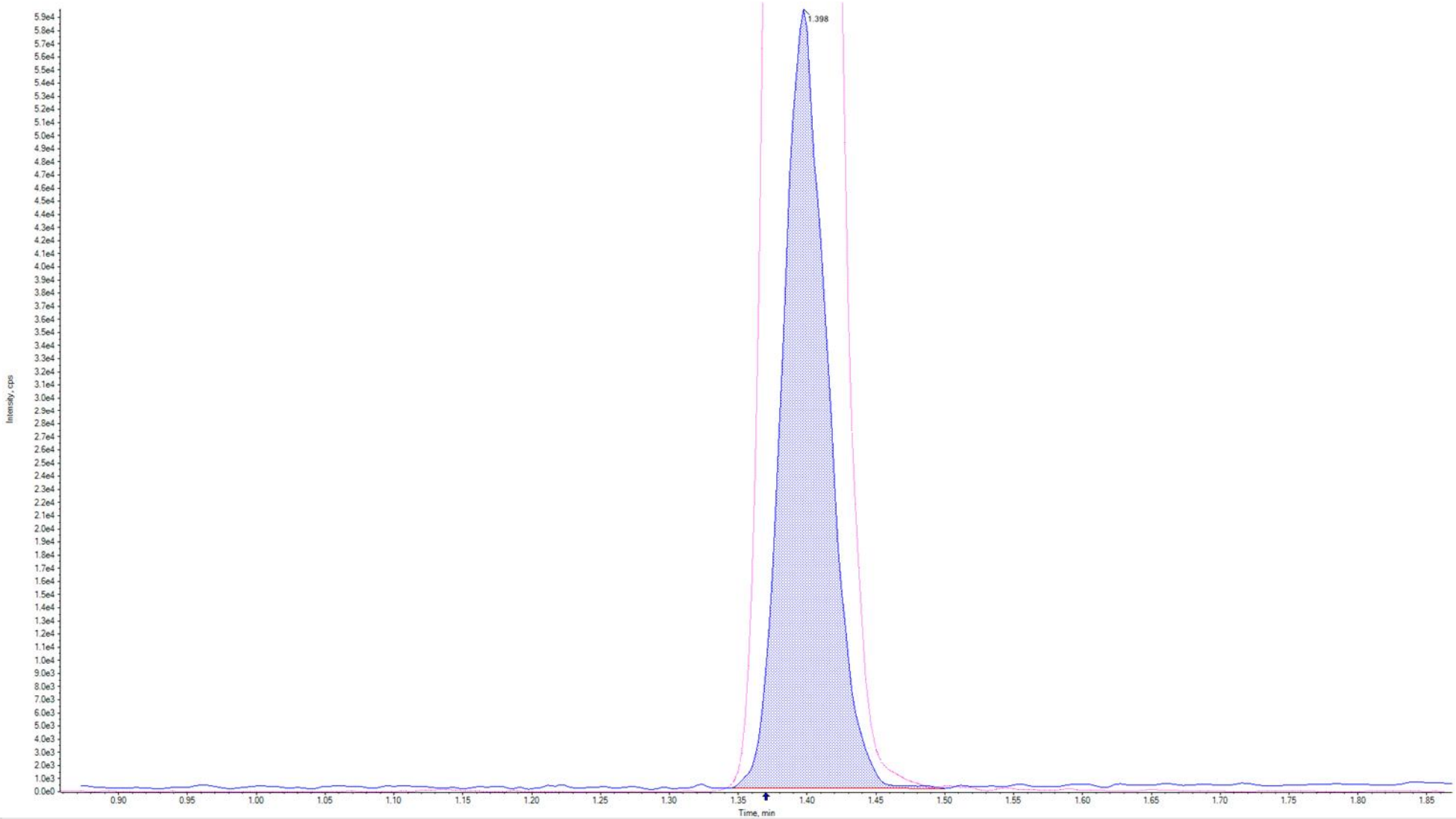
PFPeA
Sample: WG2011107-2 S/N:1565.6 Points Across peak:55



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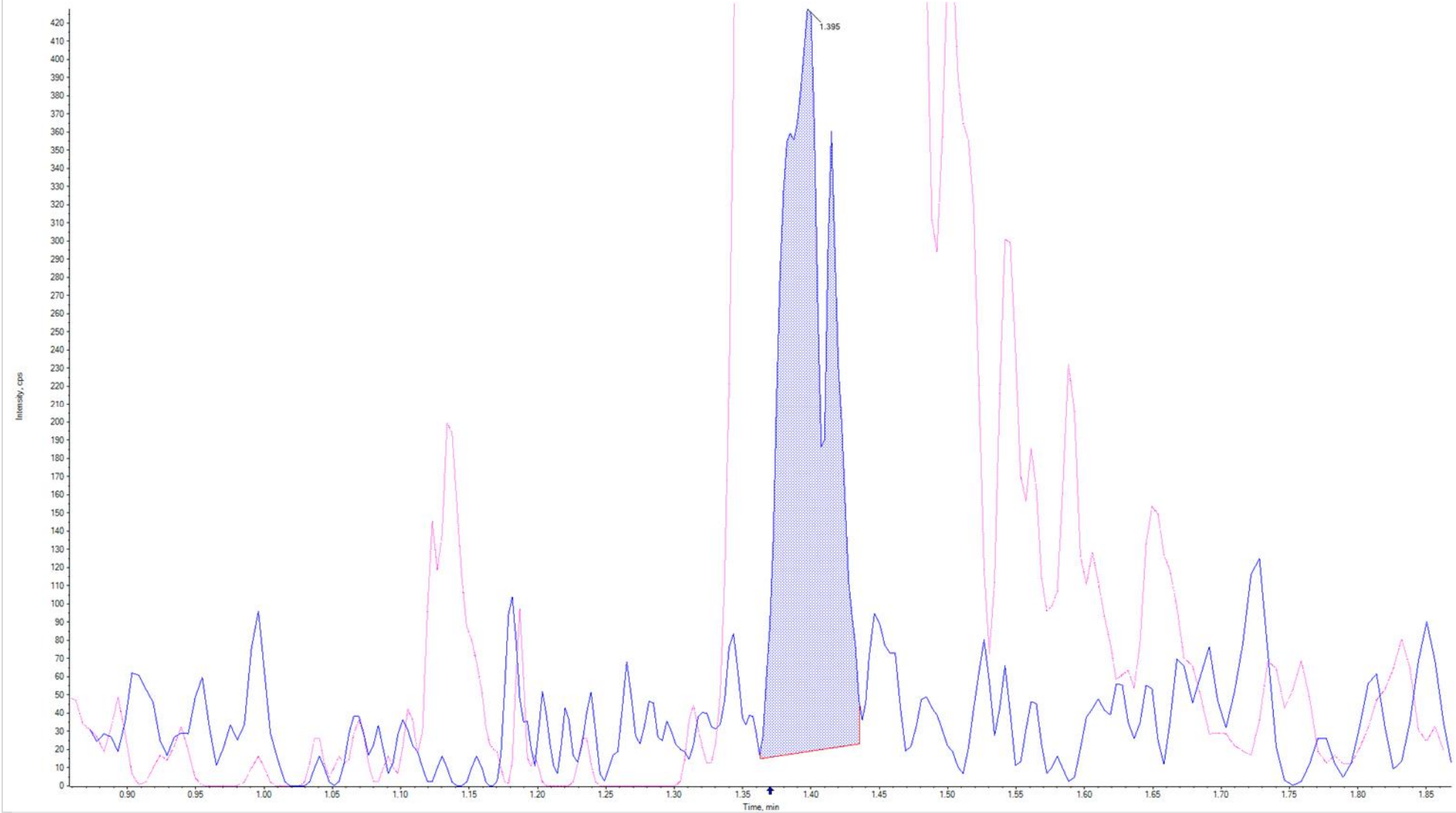
PFPeA_2
Sample: WG2011107-2 S/N:24.6 Points Across peak:31



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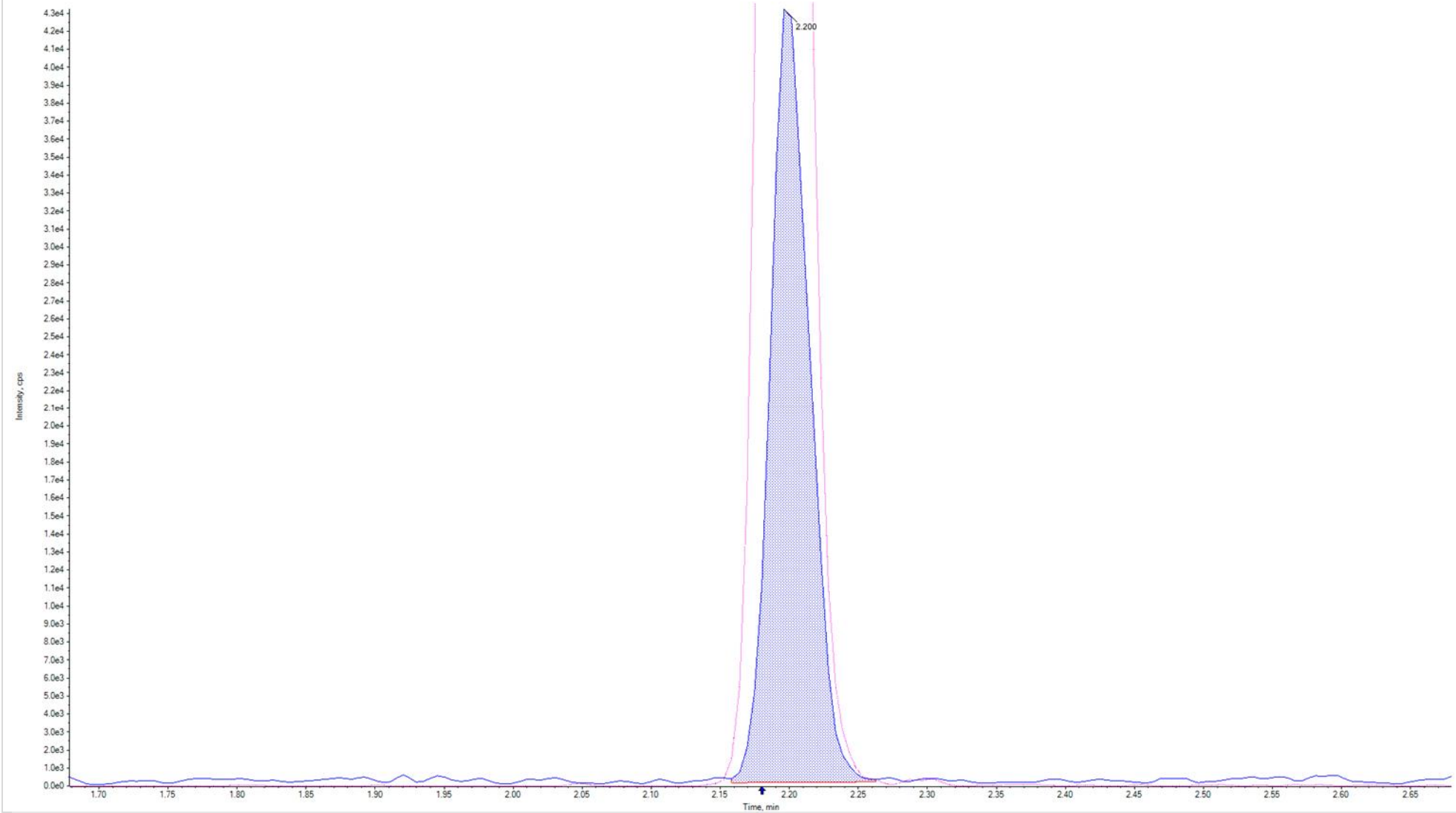
PFHxA
Sample: WG2011107-2 S/N:954.4 Points Across peak:21



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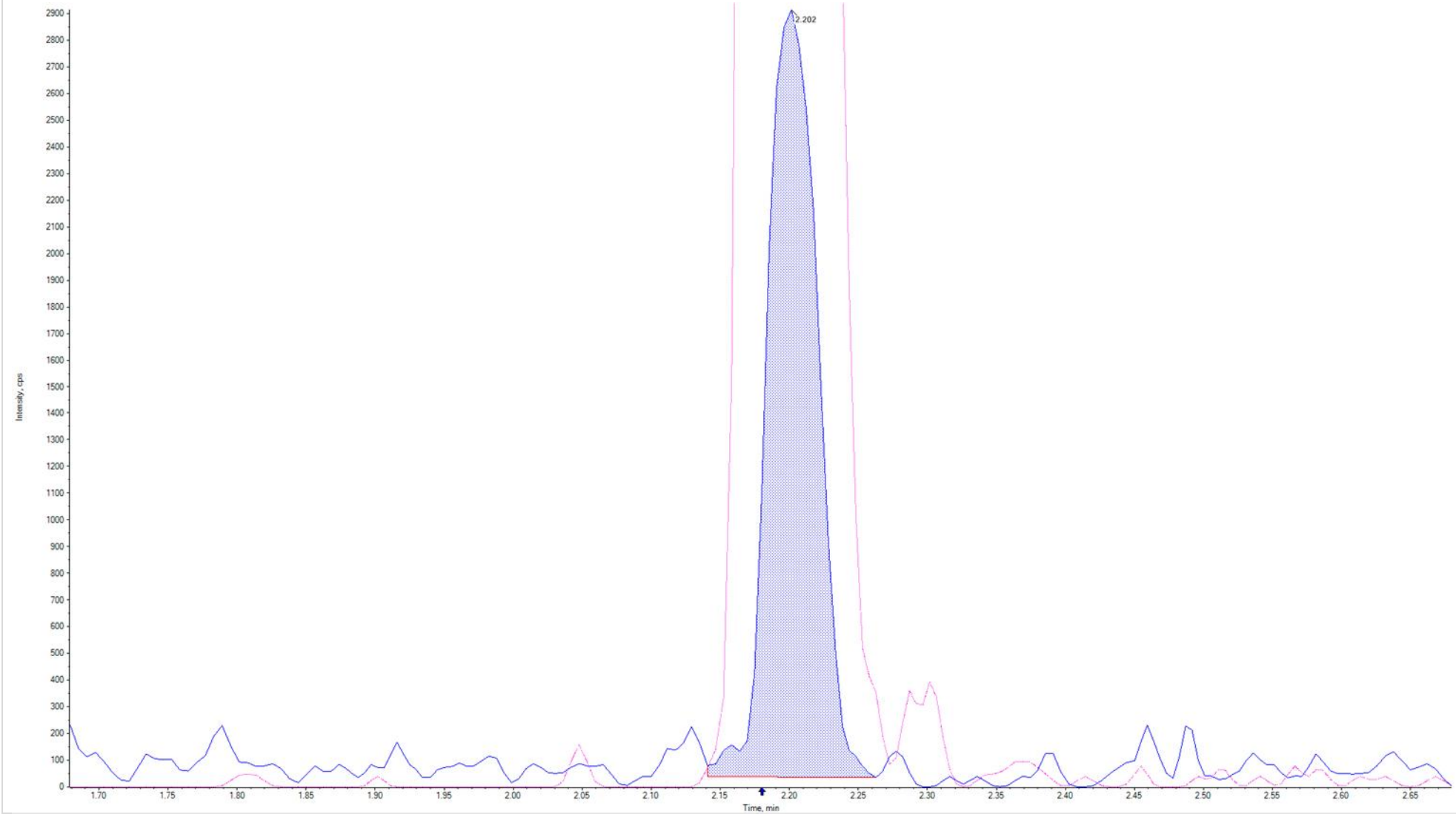
PFHxA_2
Sample: WG2011107-2 S/N:72.1 Points Across peak:24



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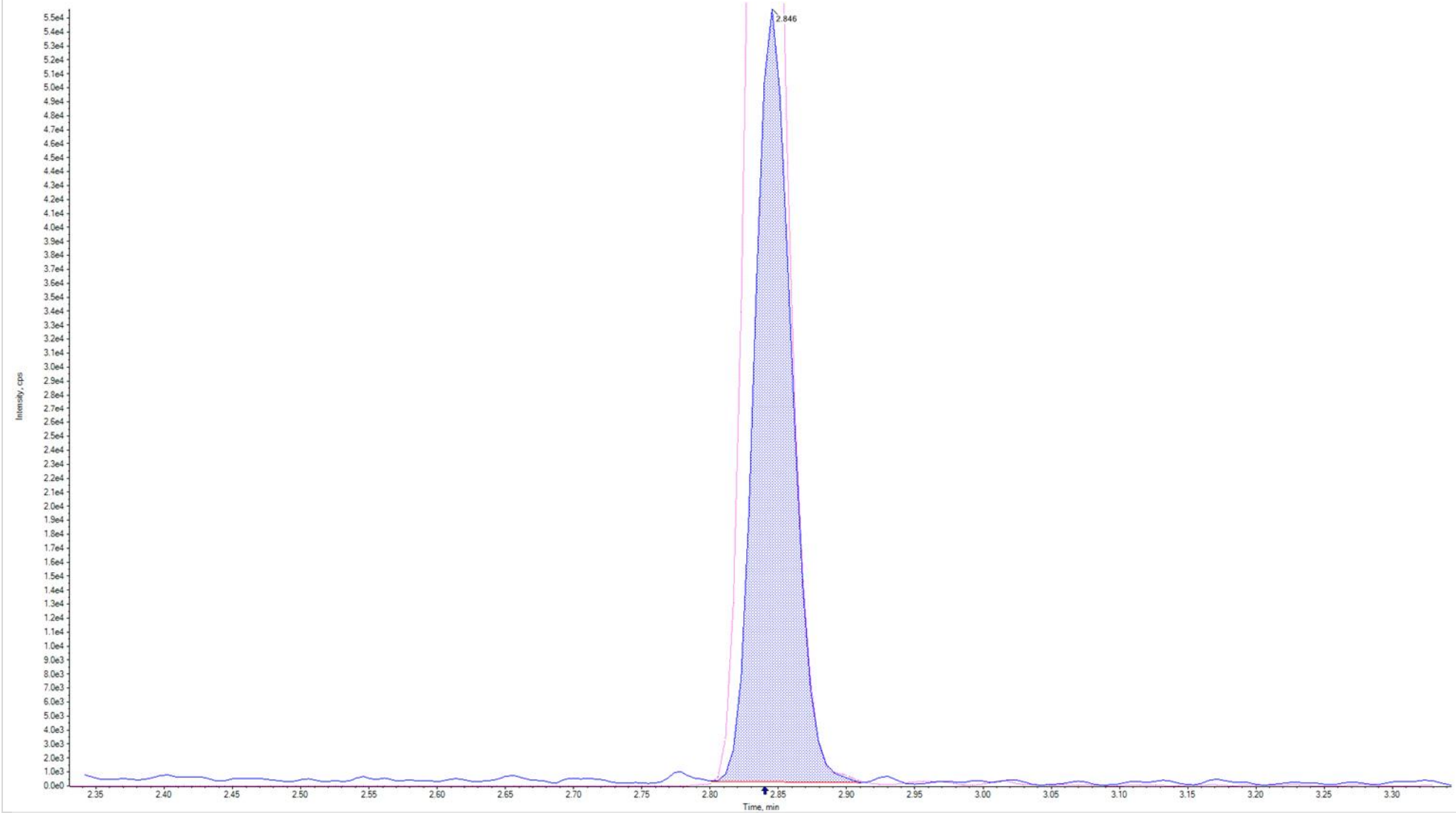
PFHpA
Sample: WG2011107-2 S/N:1109.5 Points Across peak:20



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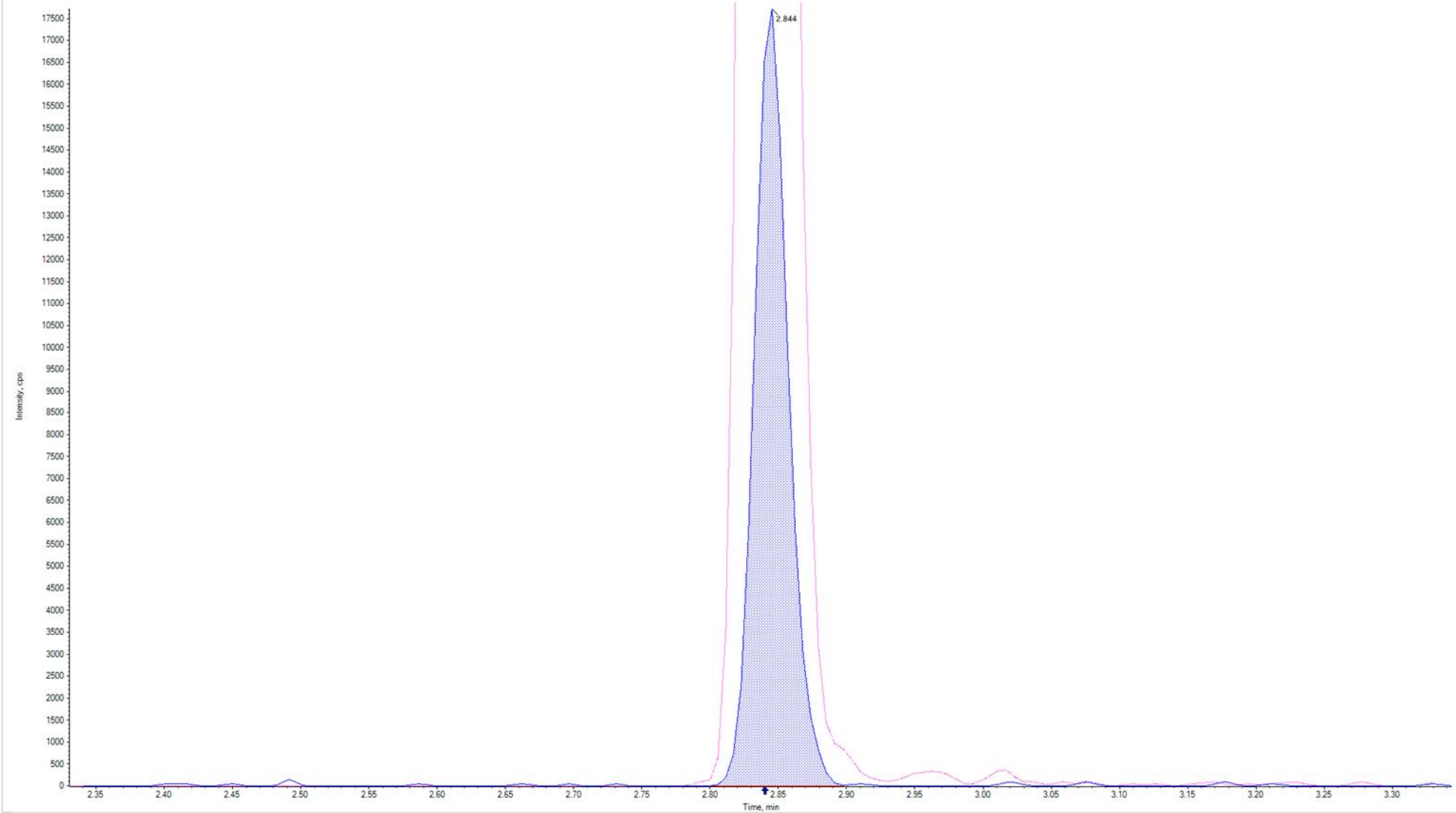
PFHpA_2
Sample: WG2011107-2 S/N:355.2 Points Across peak:23



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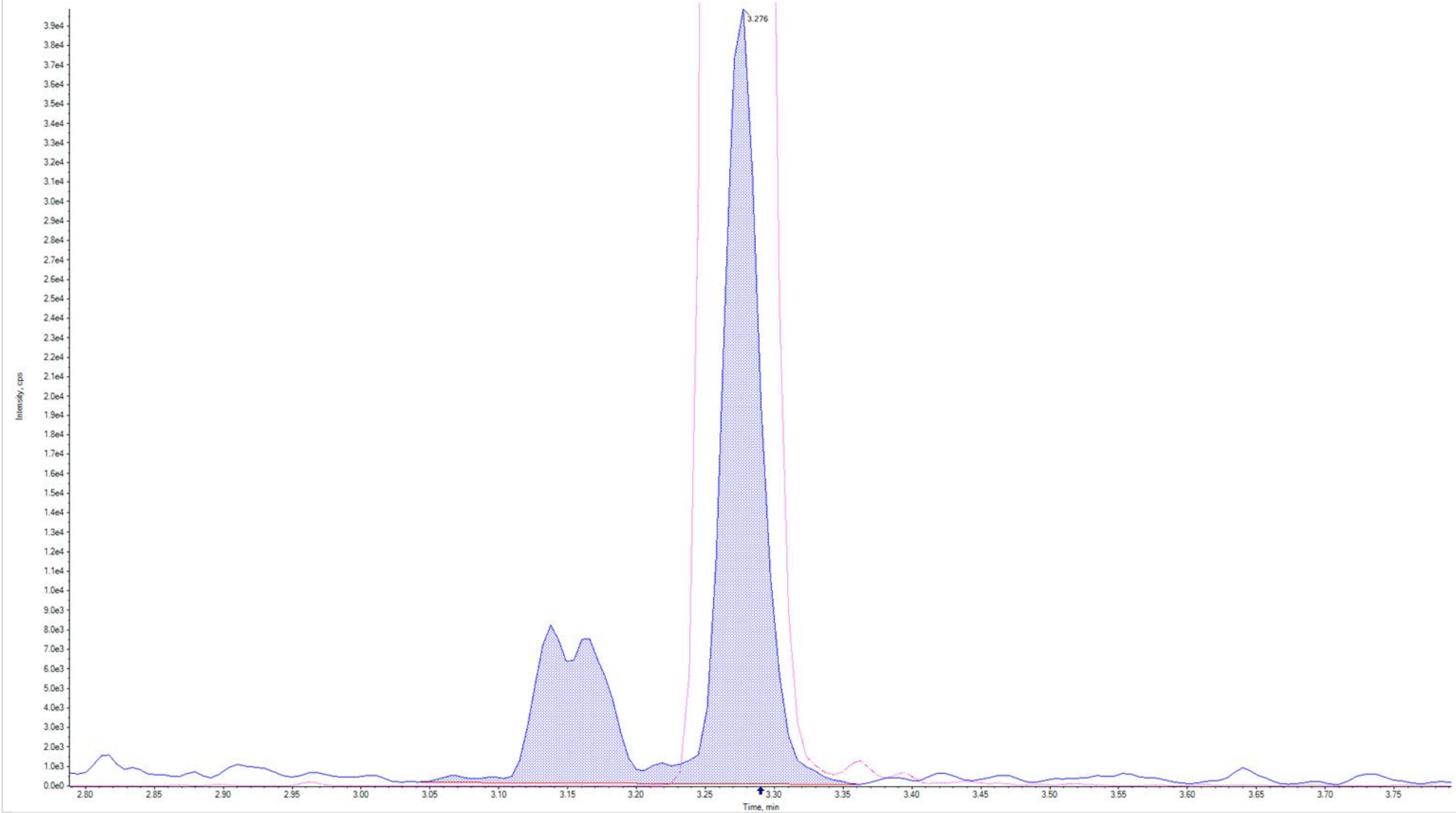
PFOA
Sample: WG2011107-2 S/N:200.4 Points Across peak:54



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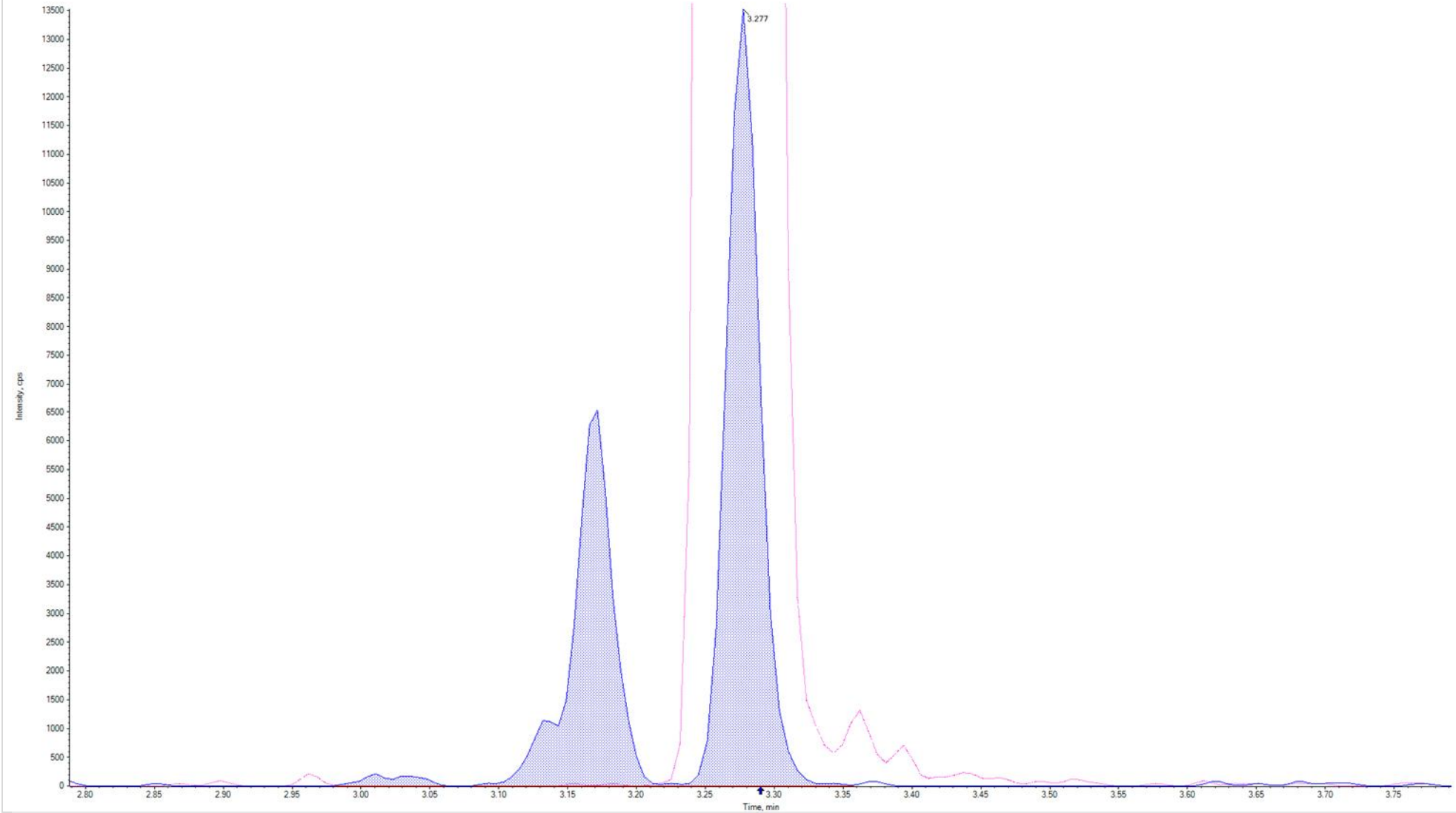
PFOA_2
Sample: WG2011107-2 S/N:305.2 Points Across peak:66



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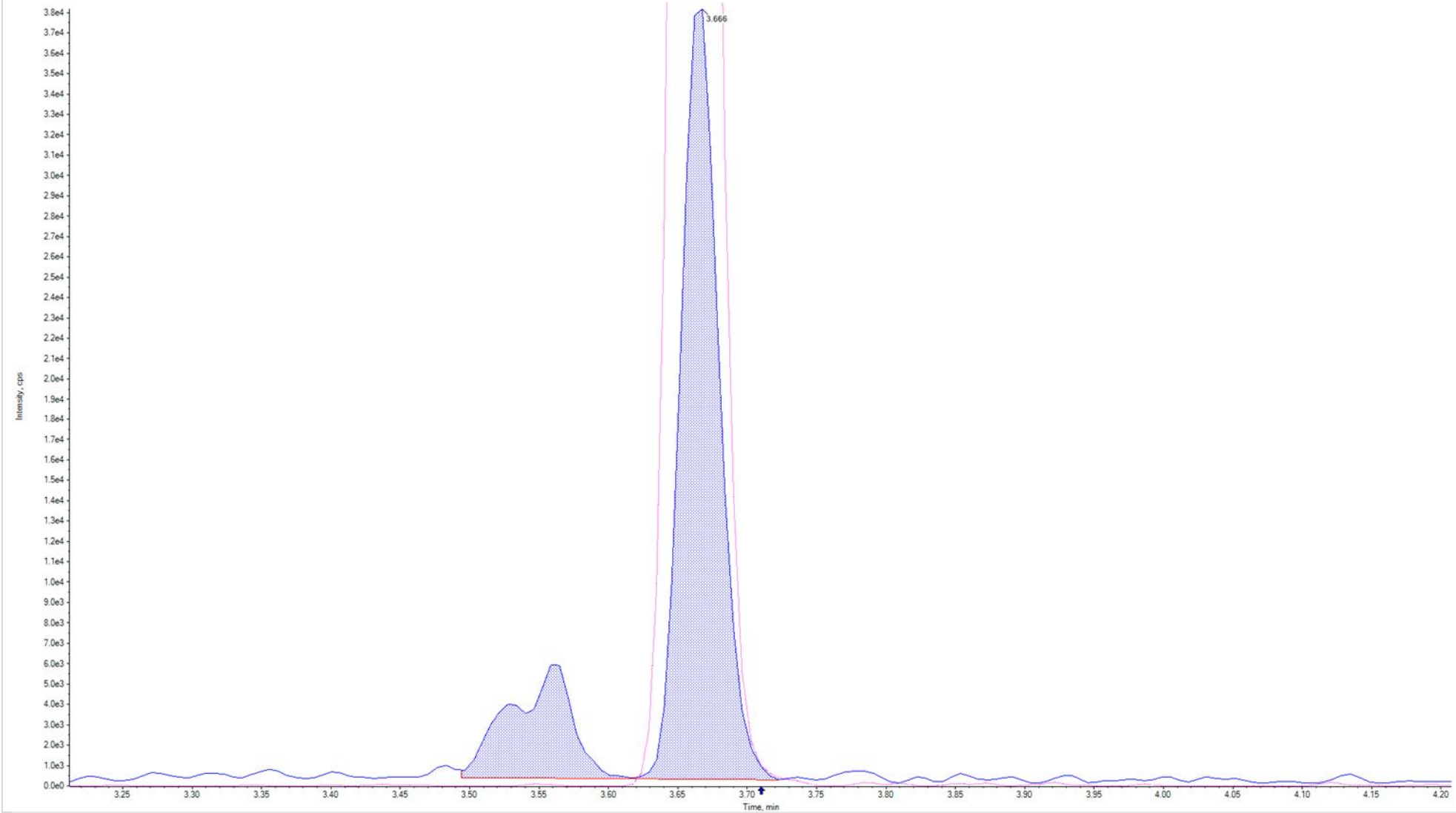
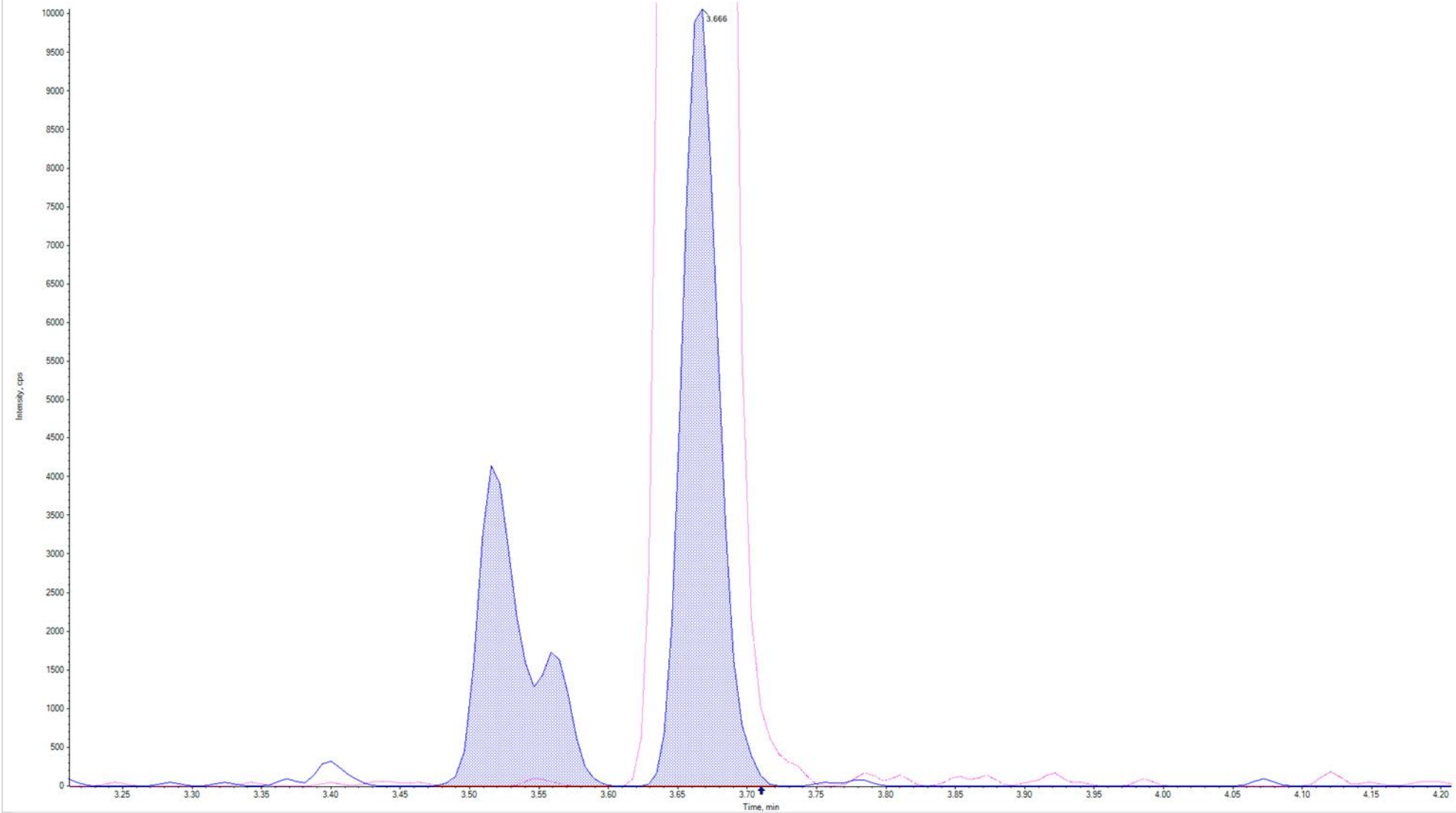
PFNA
Sample: WG2011107-2 S/N:219.3 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFNA_2
Sample: WG2011107-2 S/N:226.9 Points Across peak:43



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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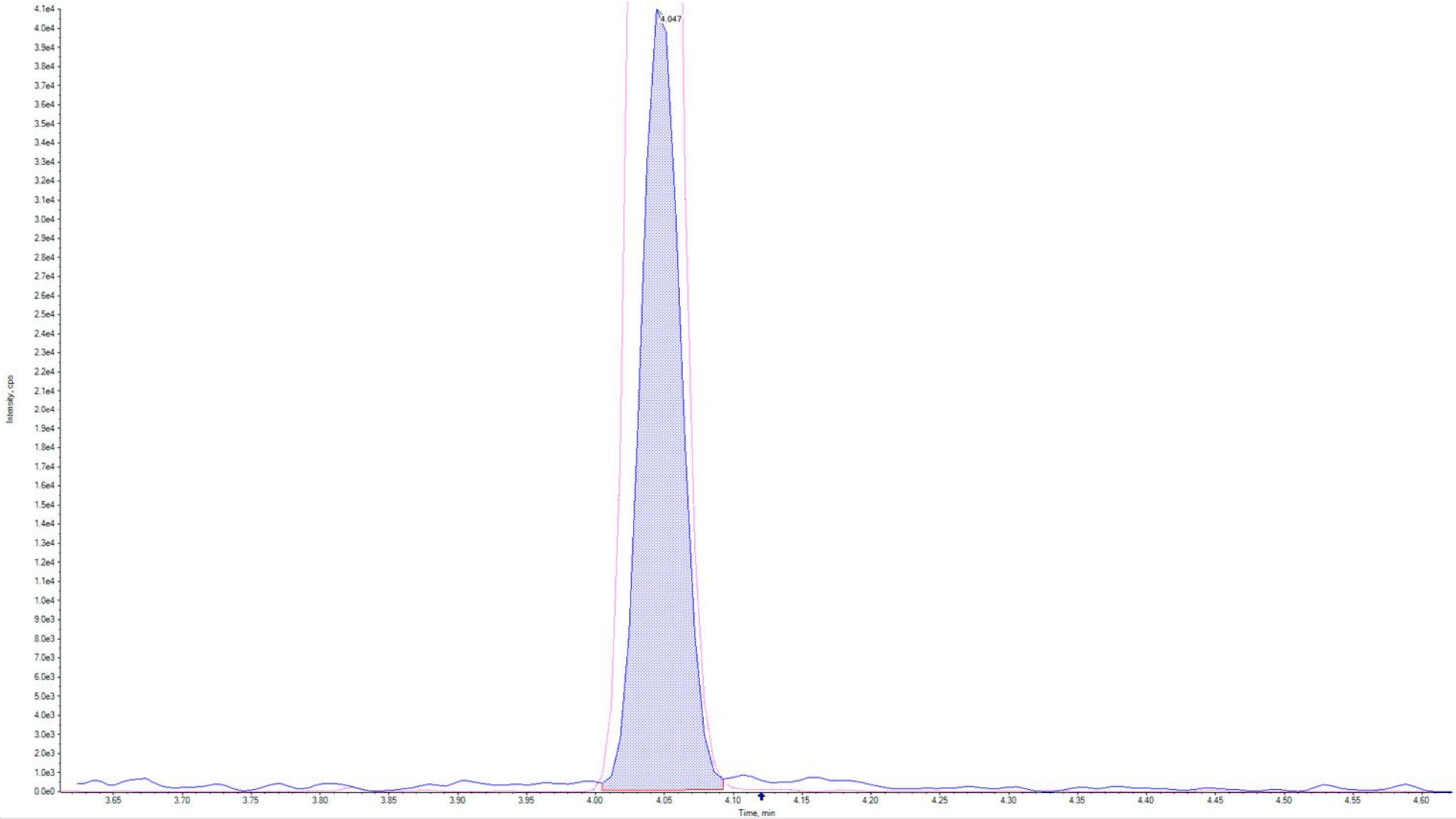
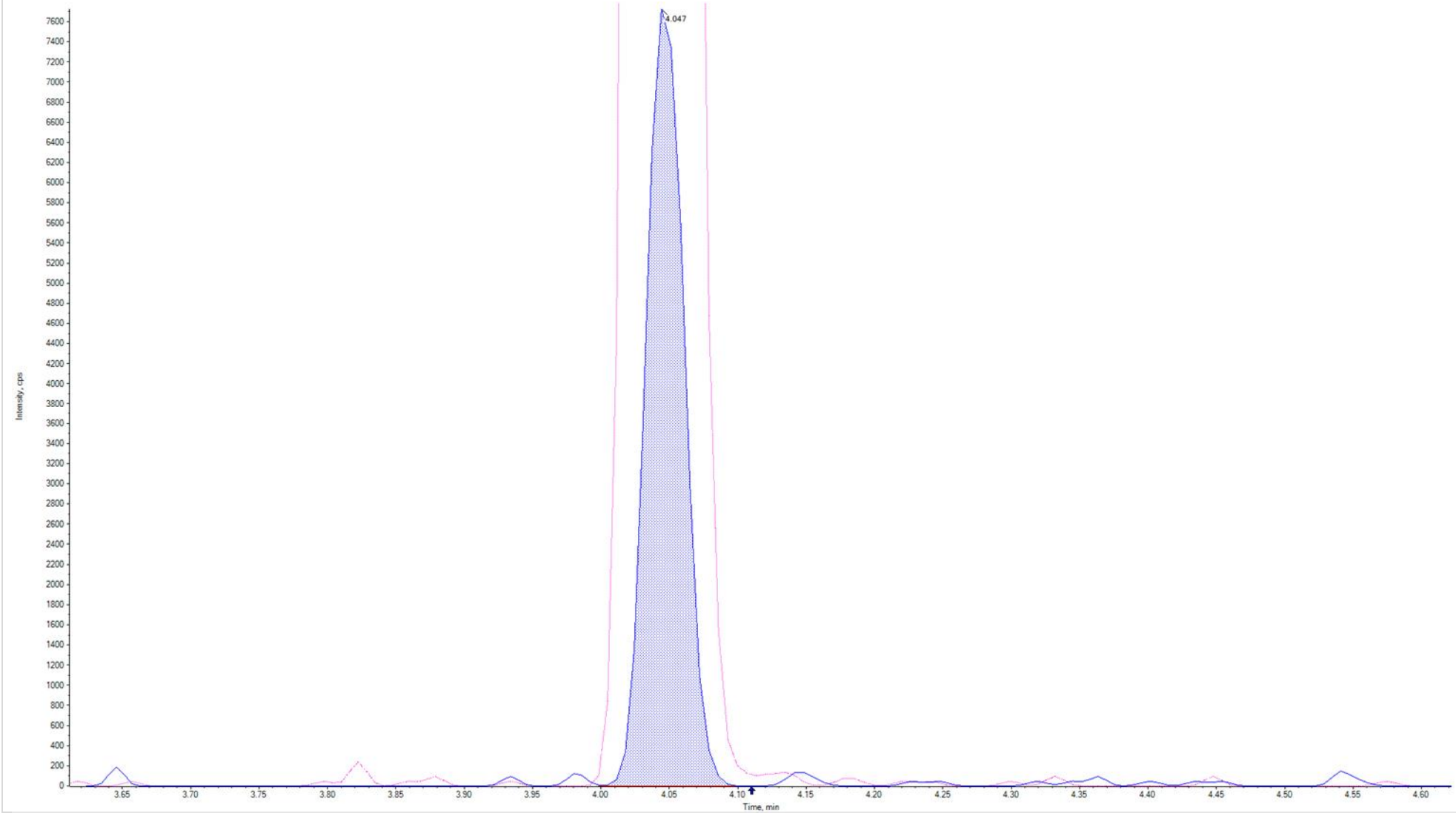
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFDA
Sample: WG2011107-2 S/N:820.5 Points Across peak:14



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFDA_2
Sample: WG2011107-2 S/N:154.9 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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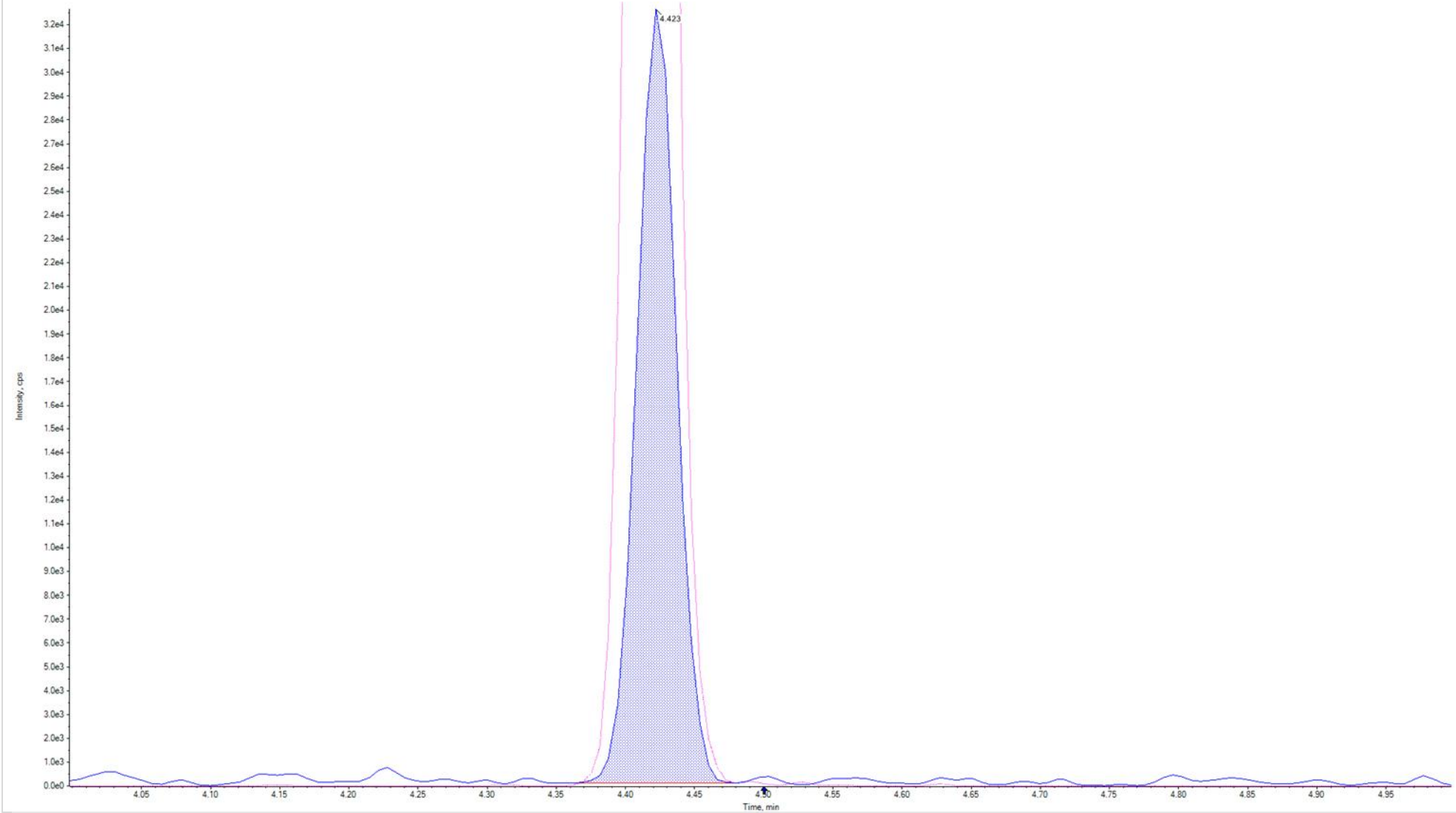
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFUnA
Sample: WG2011107-2 S/N:734.0 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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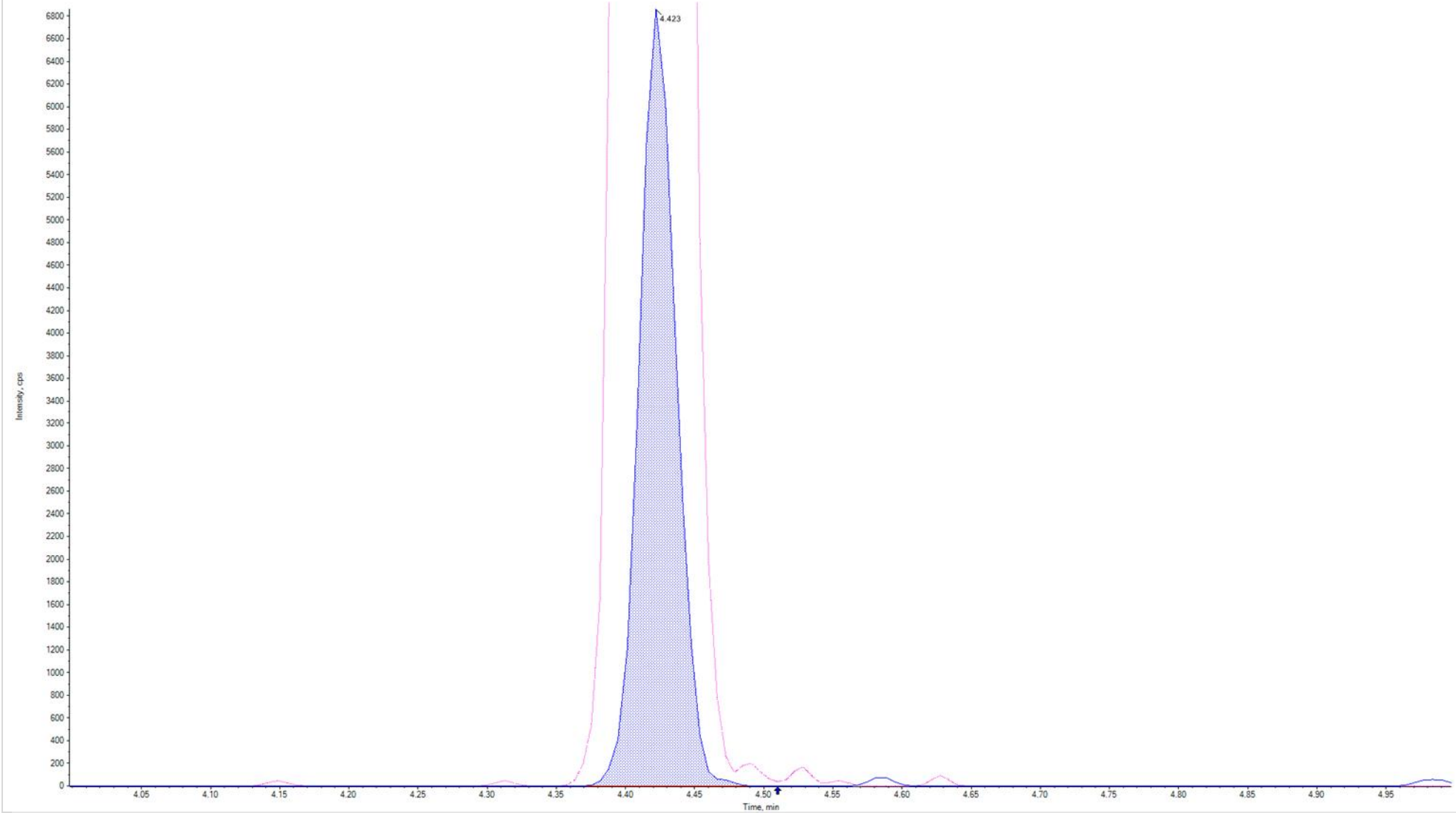
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFUnA_2
Sample: WG2011107-2 S/N:154.8 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
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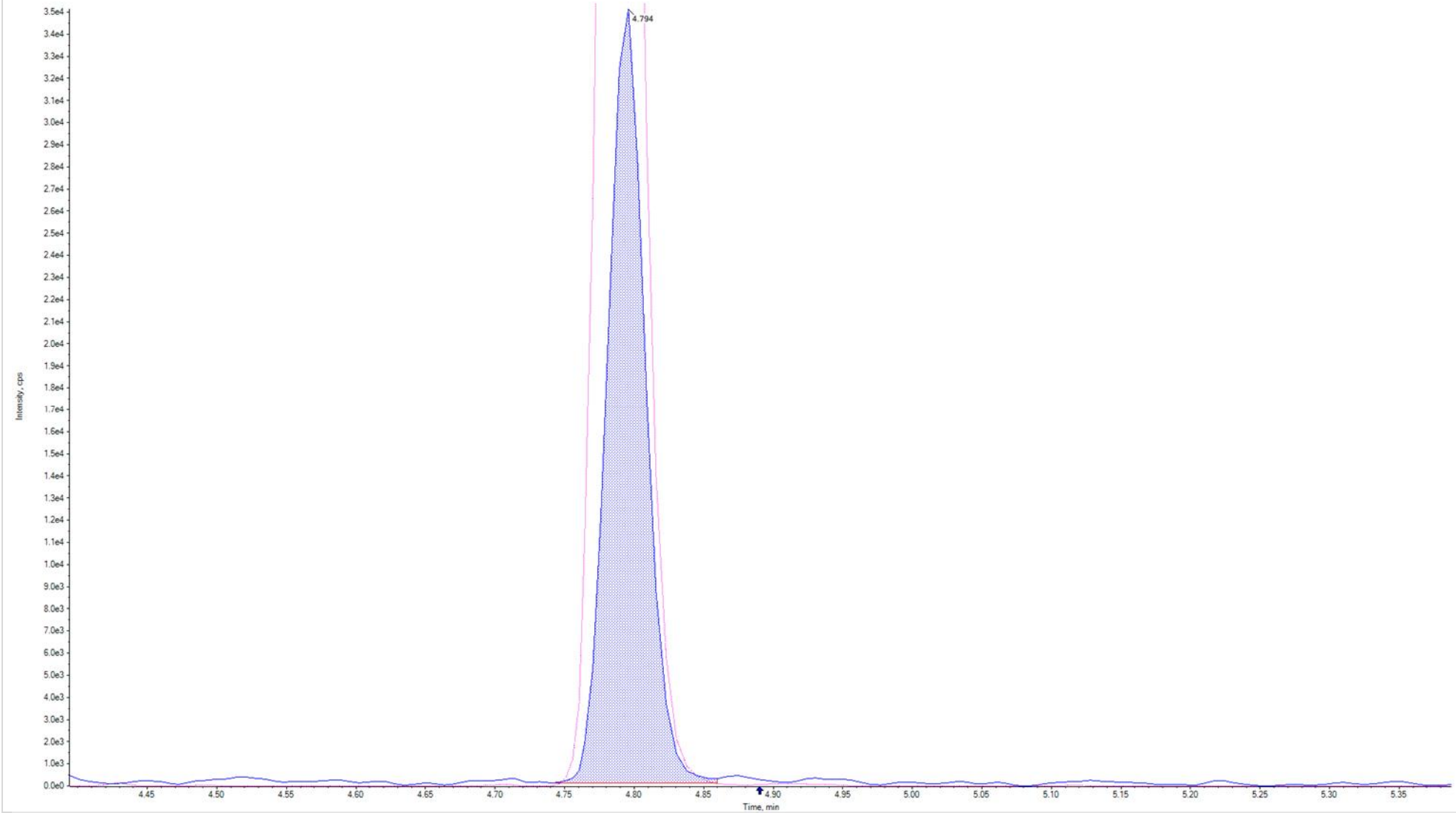
Generated: 12/19/2024 2:27:31 PM

PFDoA
Sample: WG2011107-2 S/N:964.9 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
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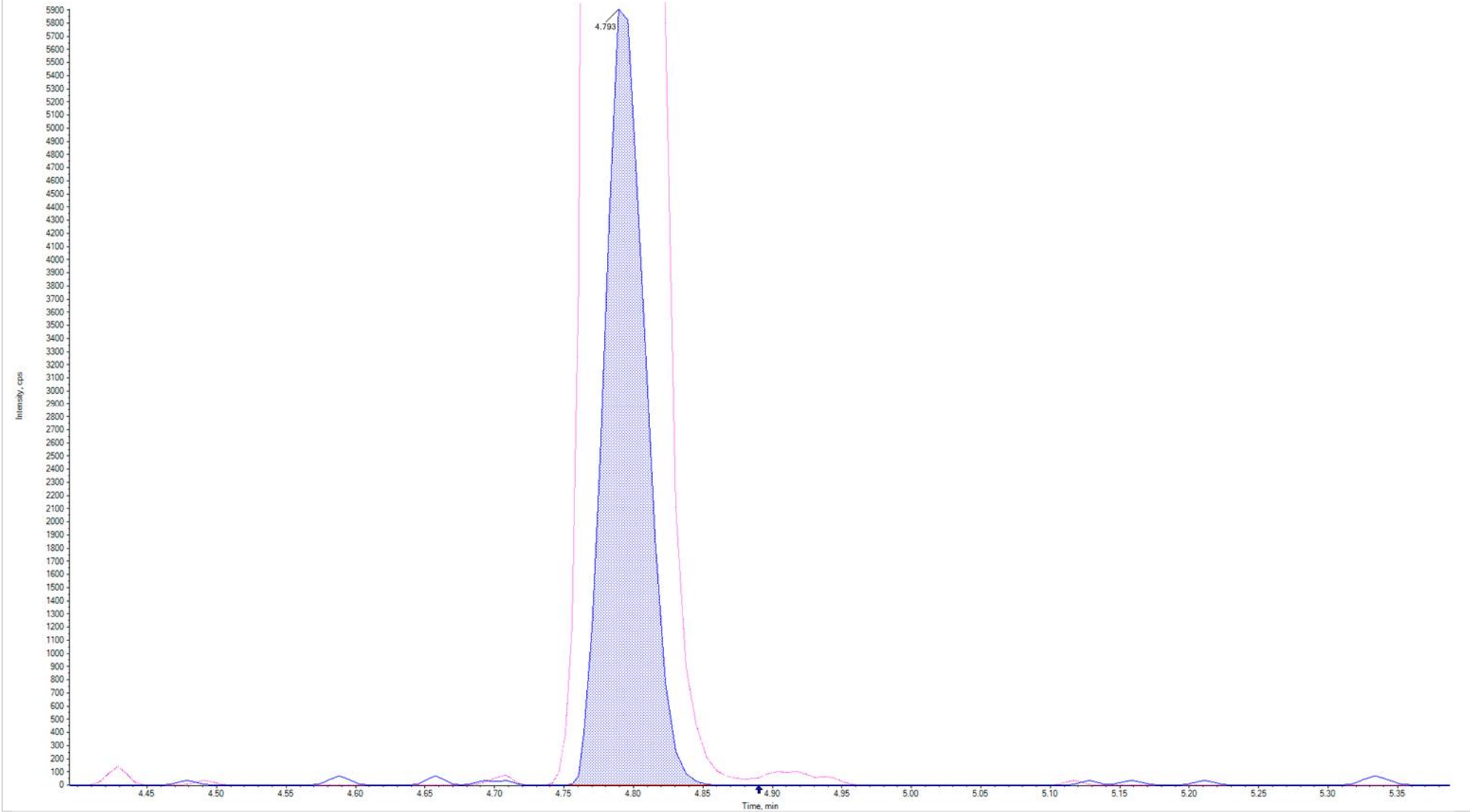
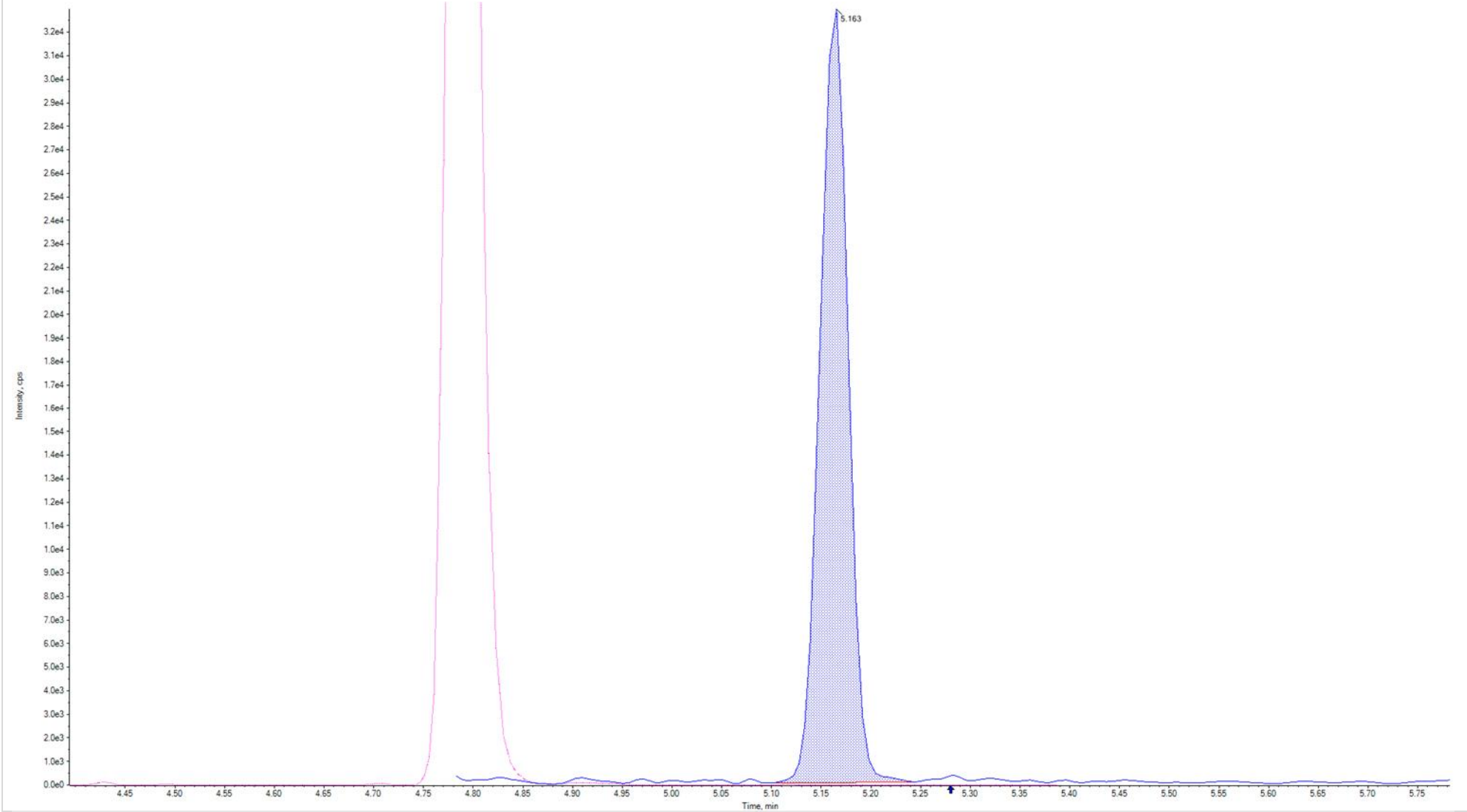
Generated: 12/19/2024 2:27:31 PM

PFDoA_2
Sample: WG2011107-2 S/N:162.9 Points Across peak:26



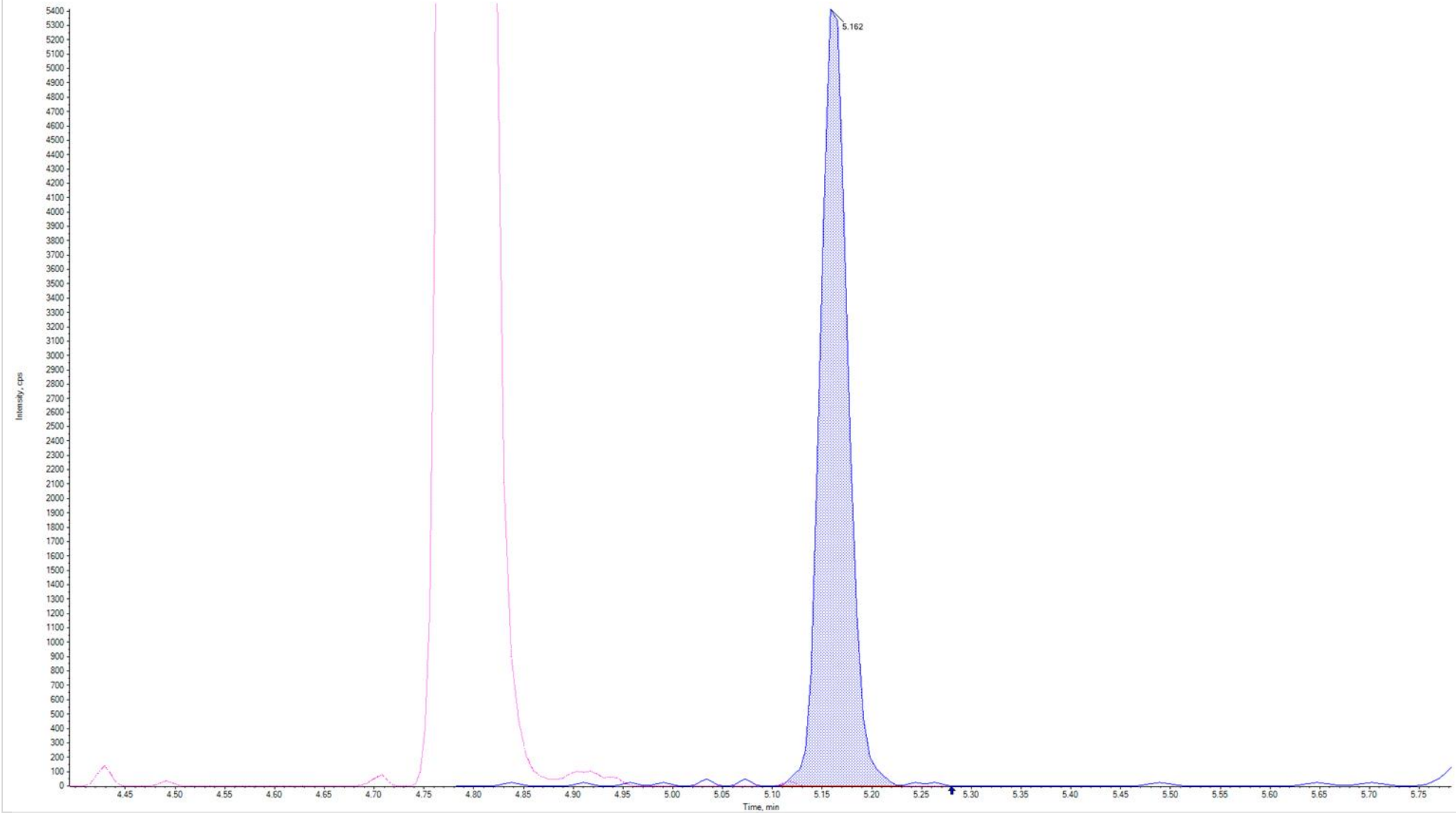
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFTrDA
Sample: WG2011107-2 S/N:990.0 Points Across peak:25



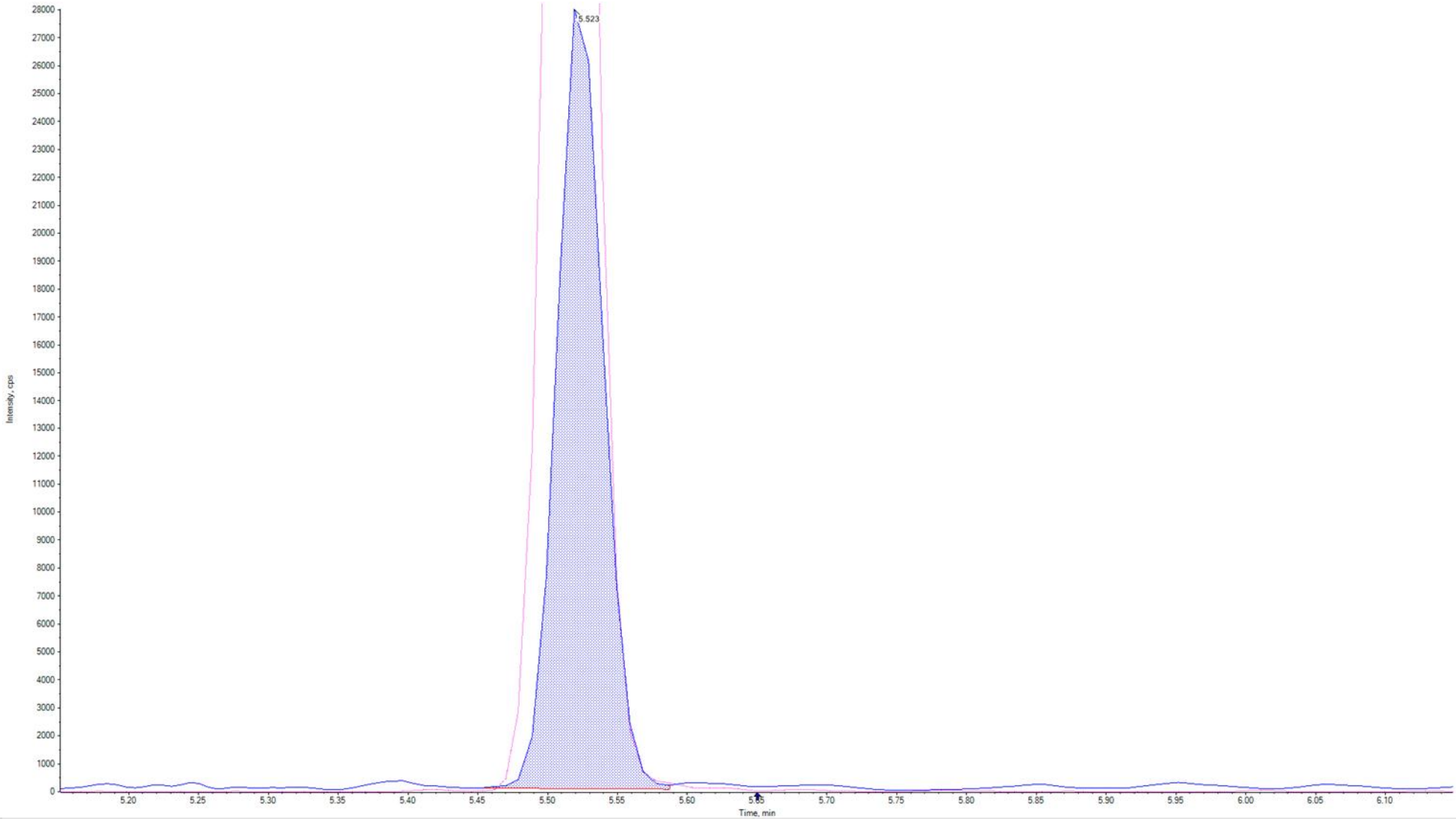
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFTrDA_2
Sample: WG2011107-2 S/N:217.1 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFTeDA
Sample: WG2011107-2 S/N:624.4 Points Across peak:16



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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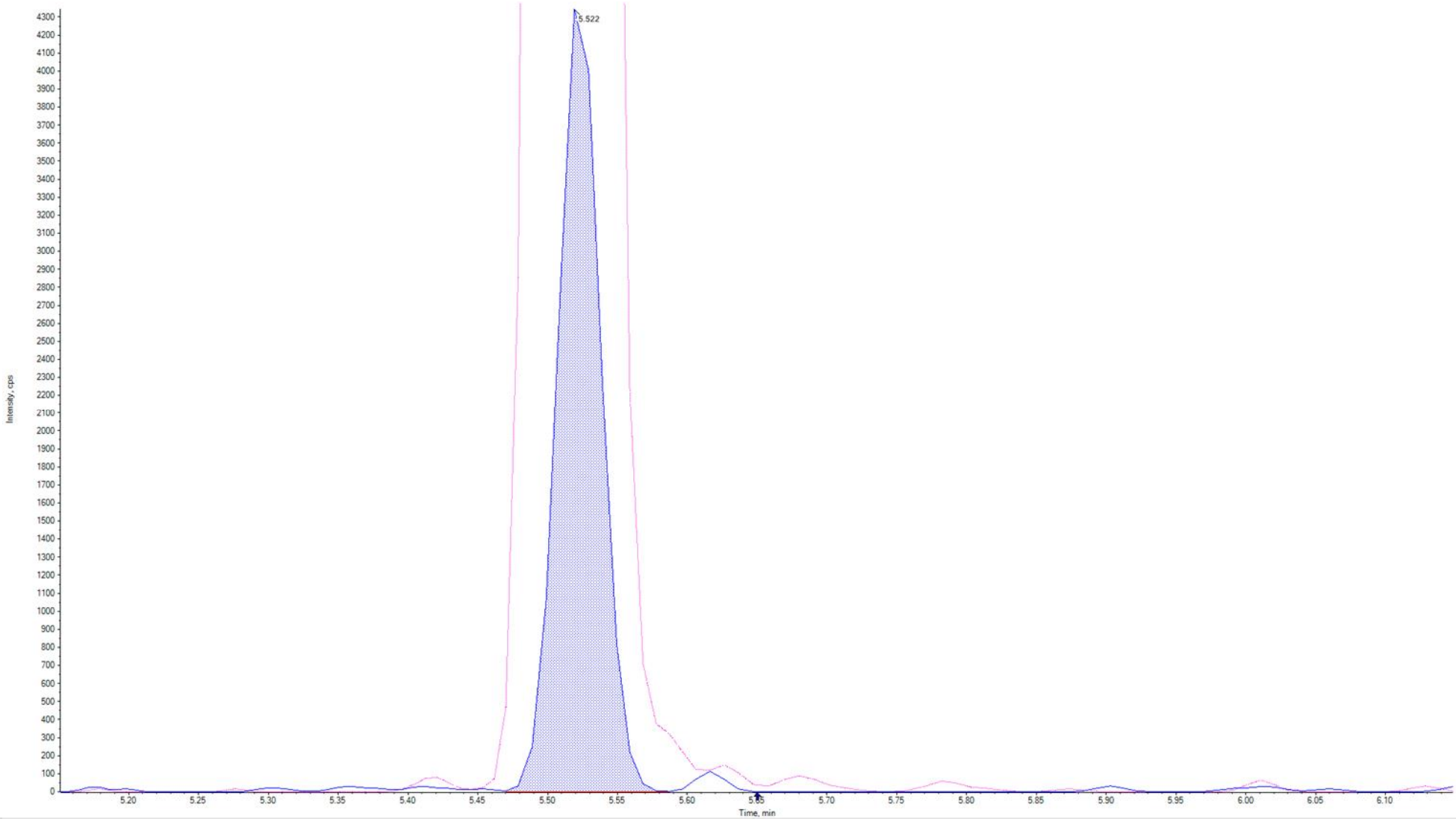
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFTeDA_2
Sample: WG2011107-2 S/N:272.1 Points Across peak:13



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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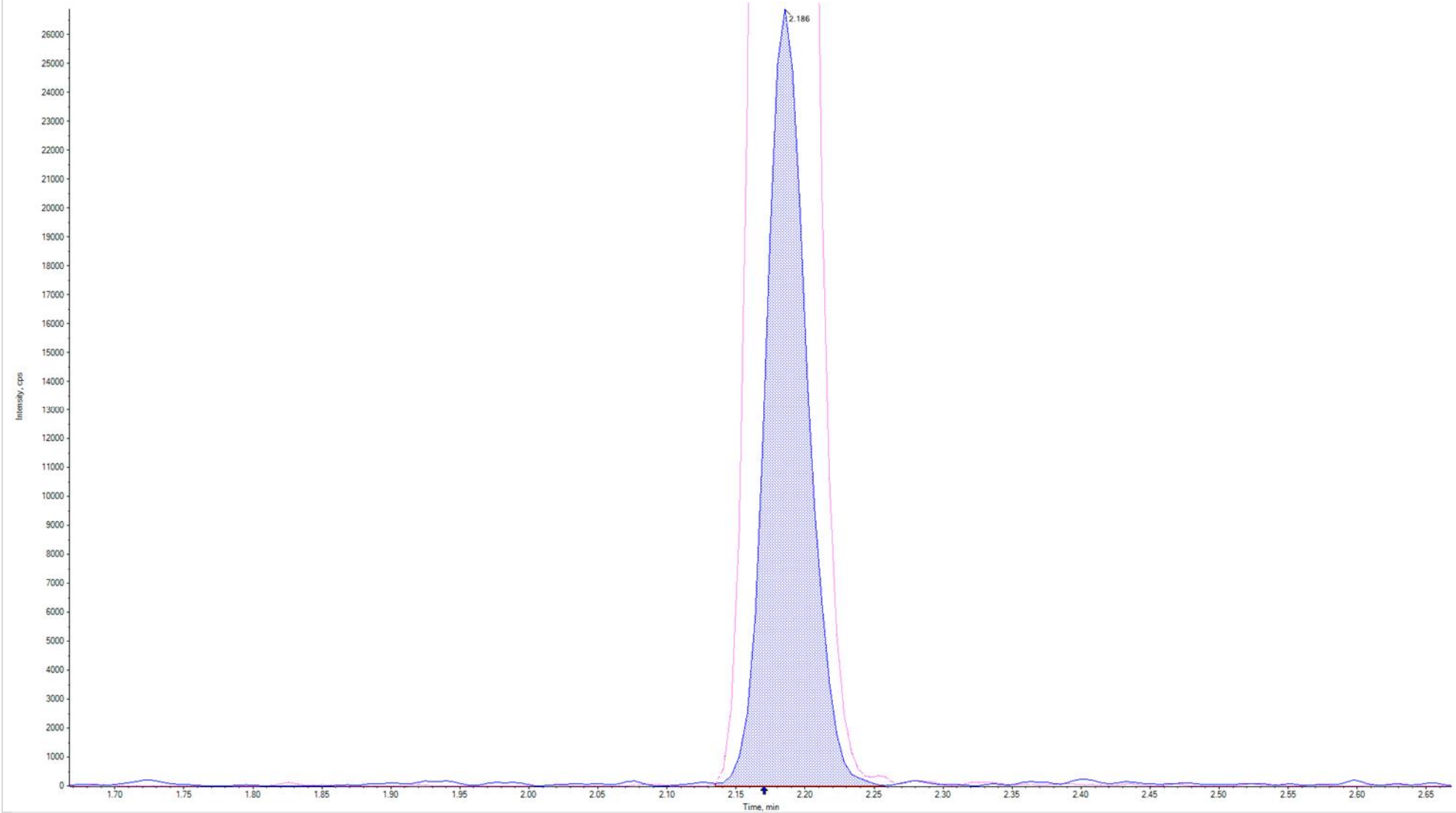
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFBS
Sample: WG2011107-2 S/N:673.7 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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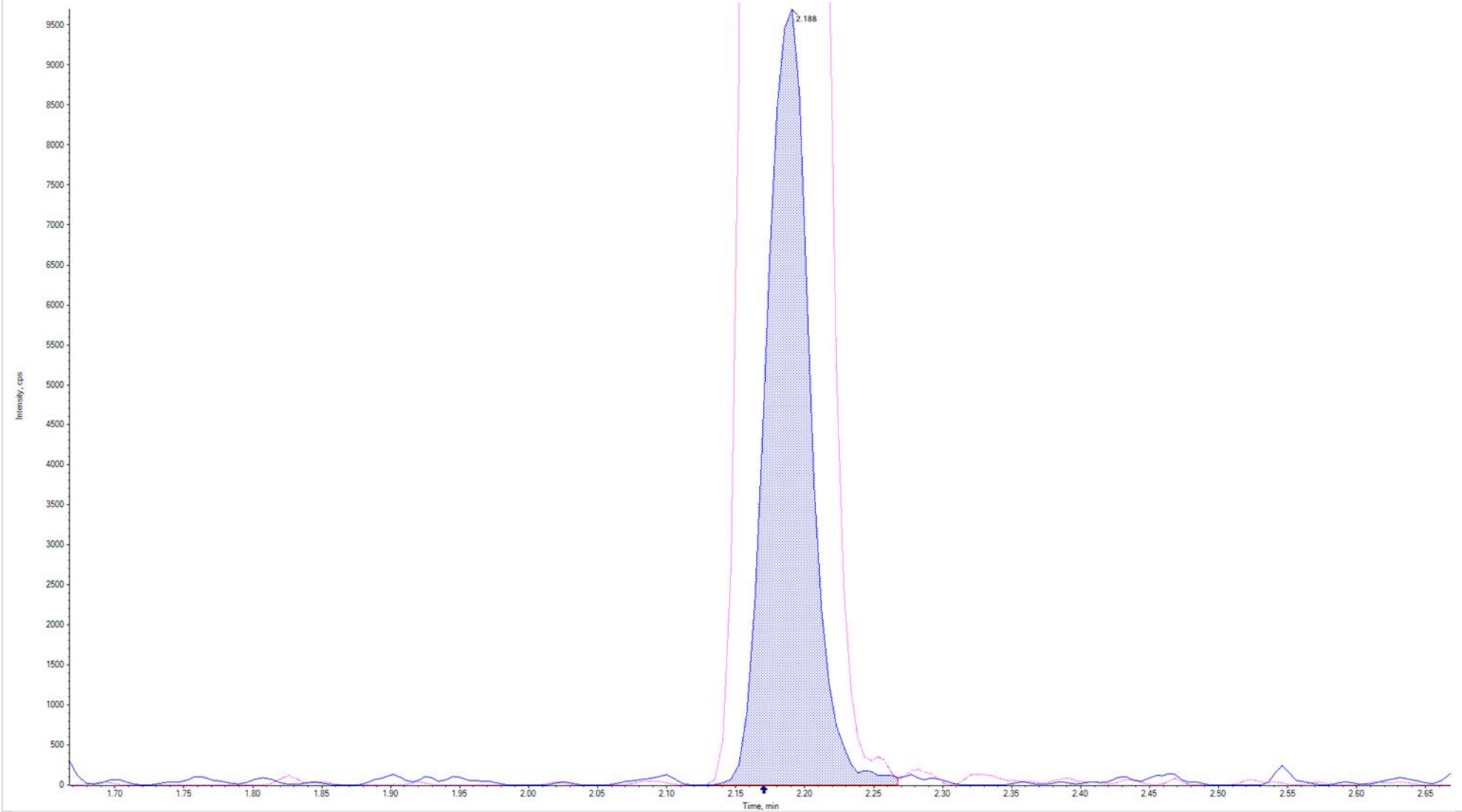
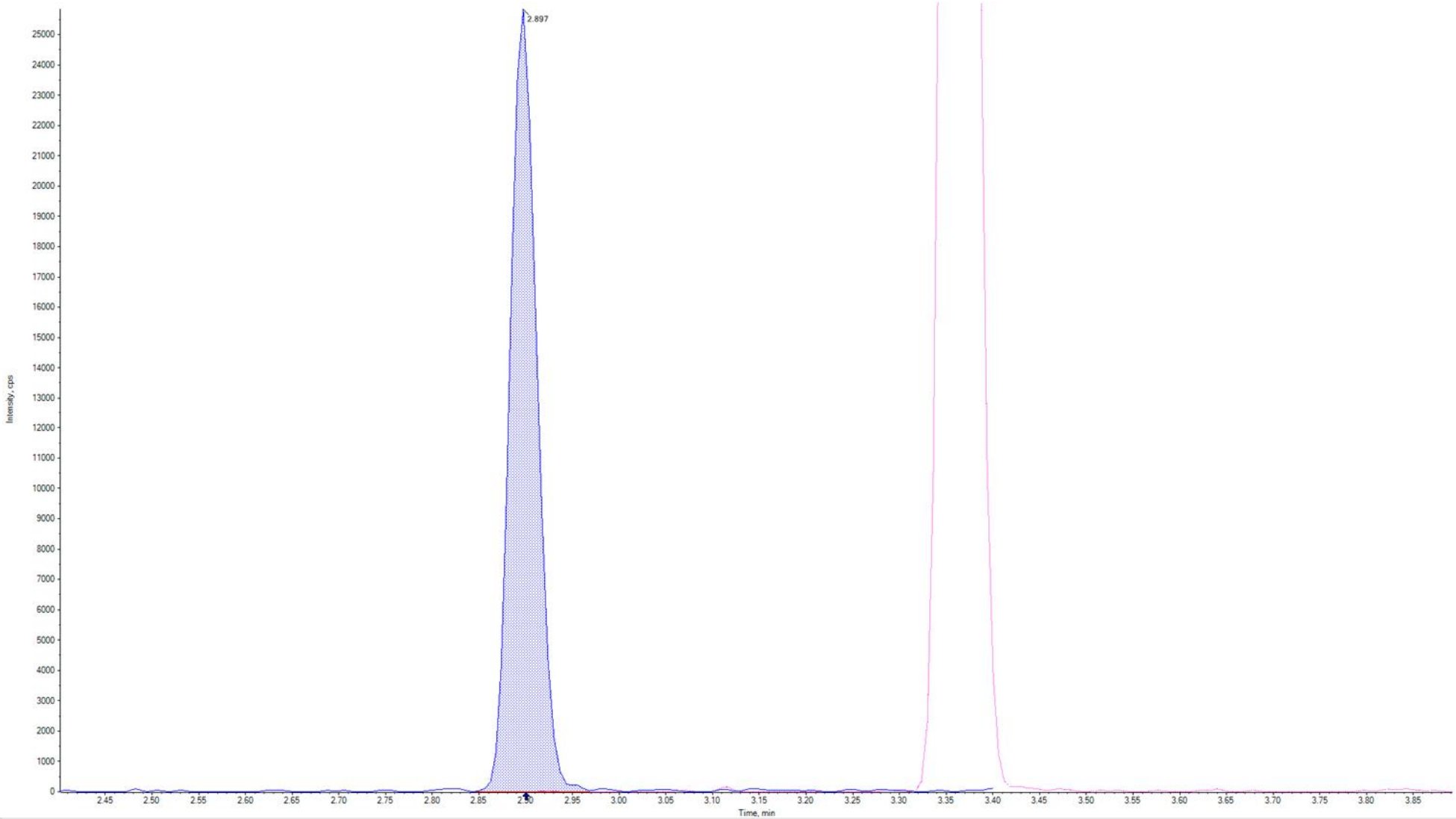
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFBS_2
Sample: WG2011107-2 S/N:243.1 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFPeS
Sample: WG2011107-2 S/N:518.0 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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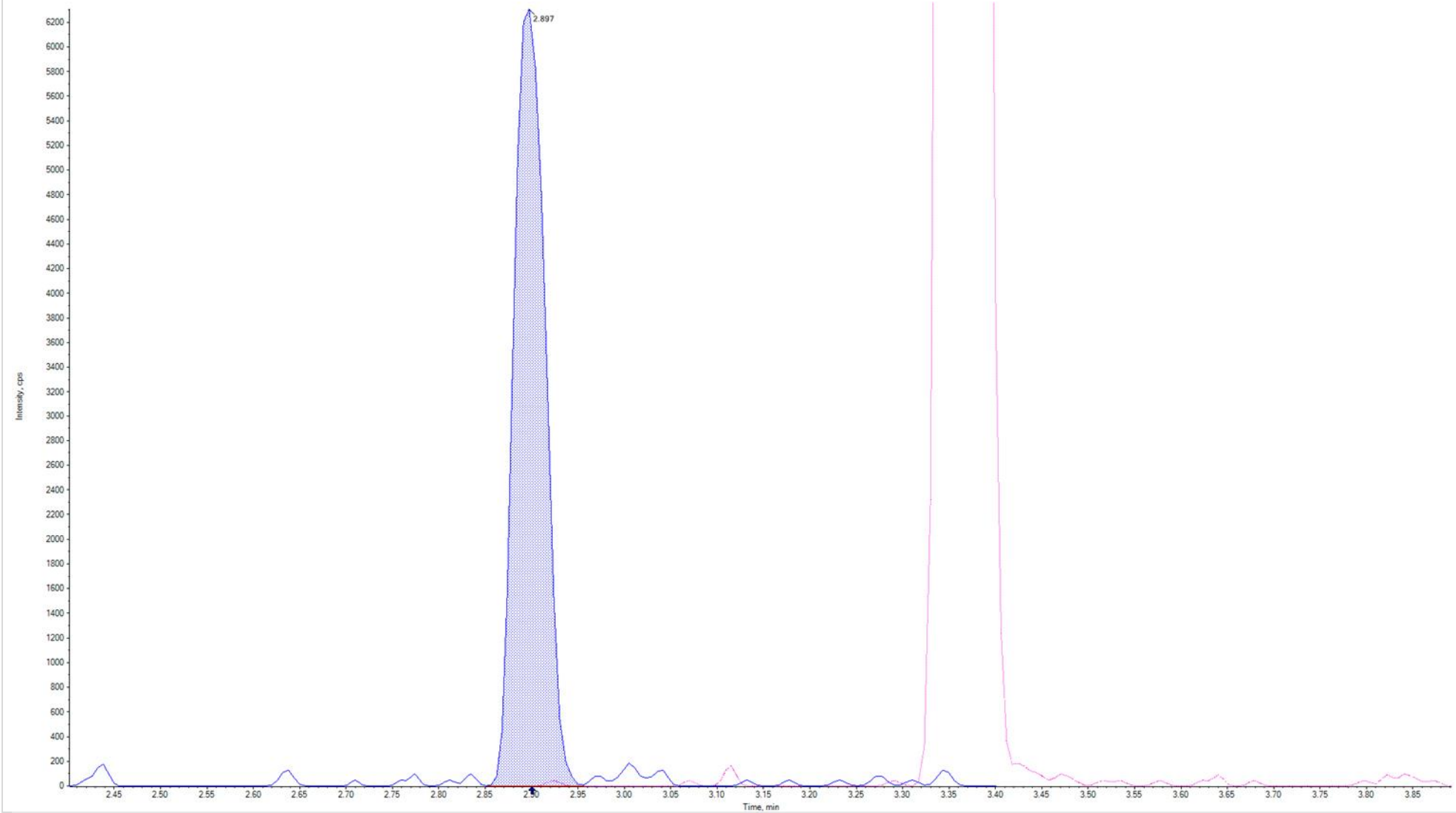
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFPeS_2
Sample: WG2011107-2 S/N:126.4 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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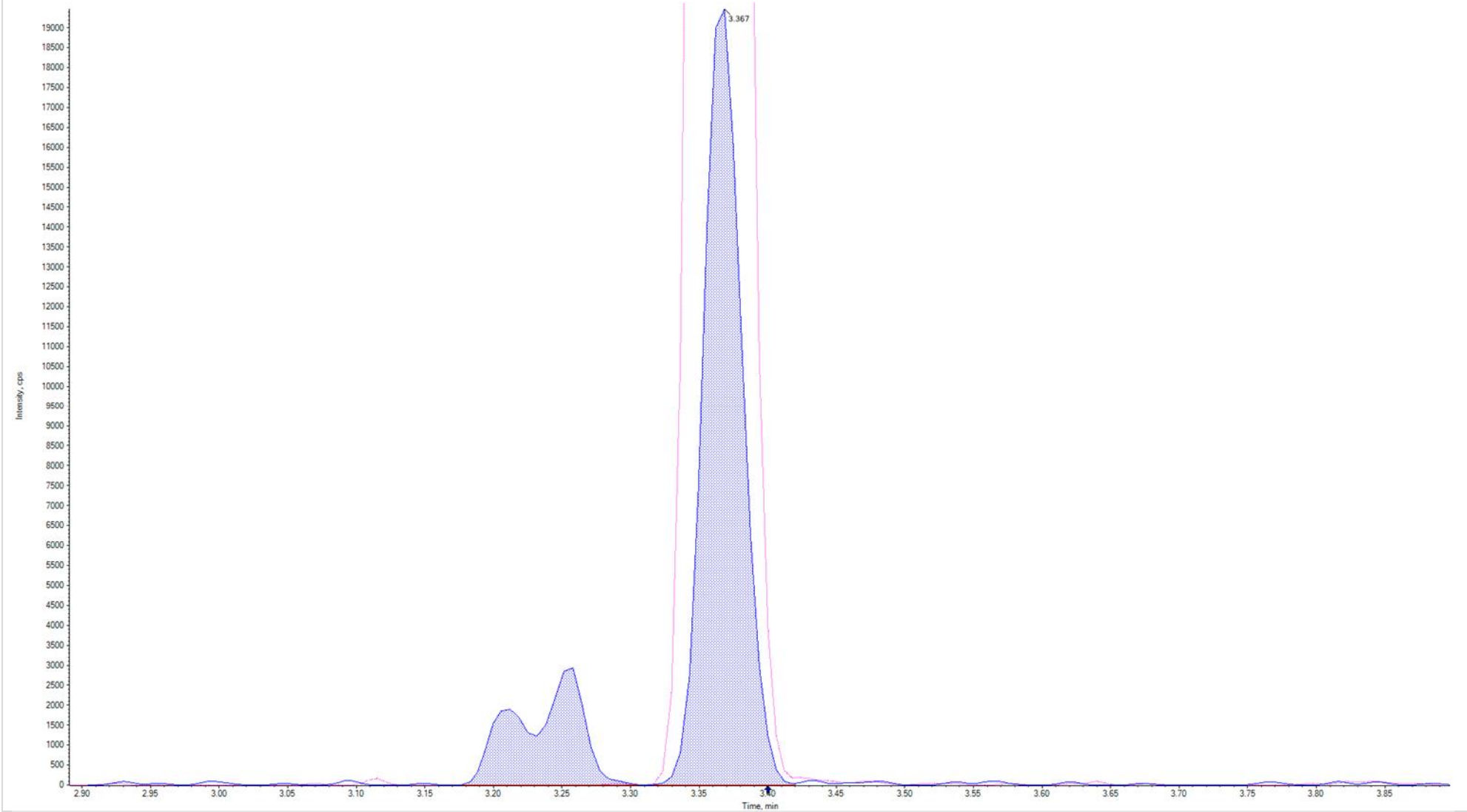
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFHxS
Sample: WG2011107-2 S/N:413.4 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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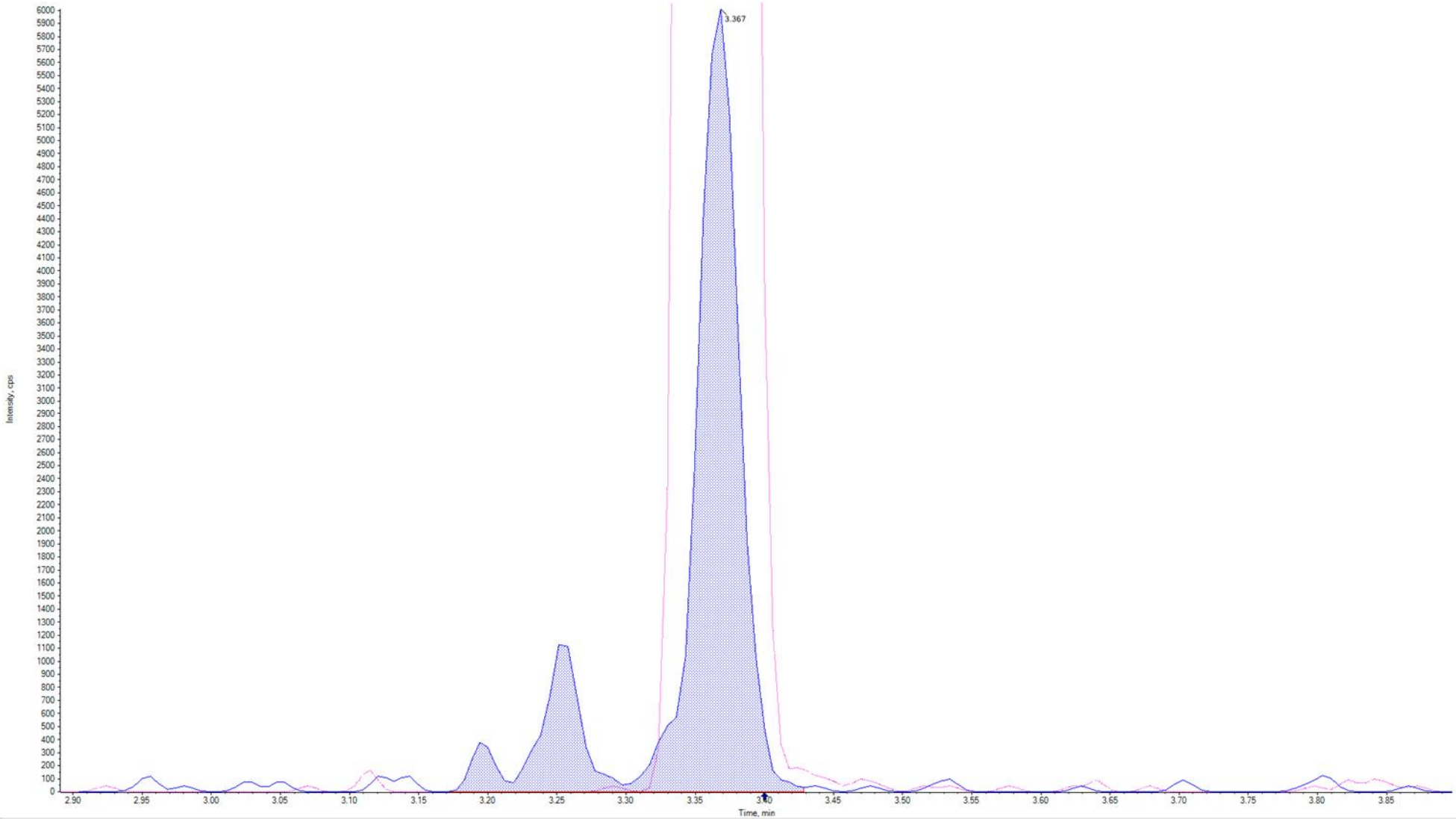
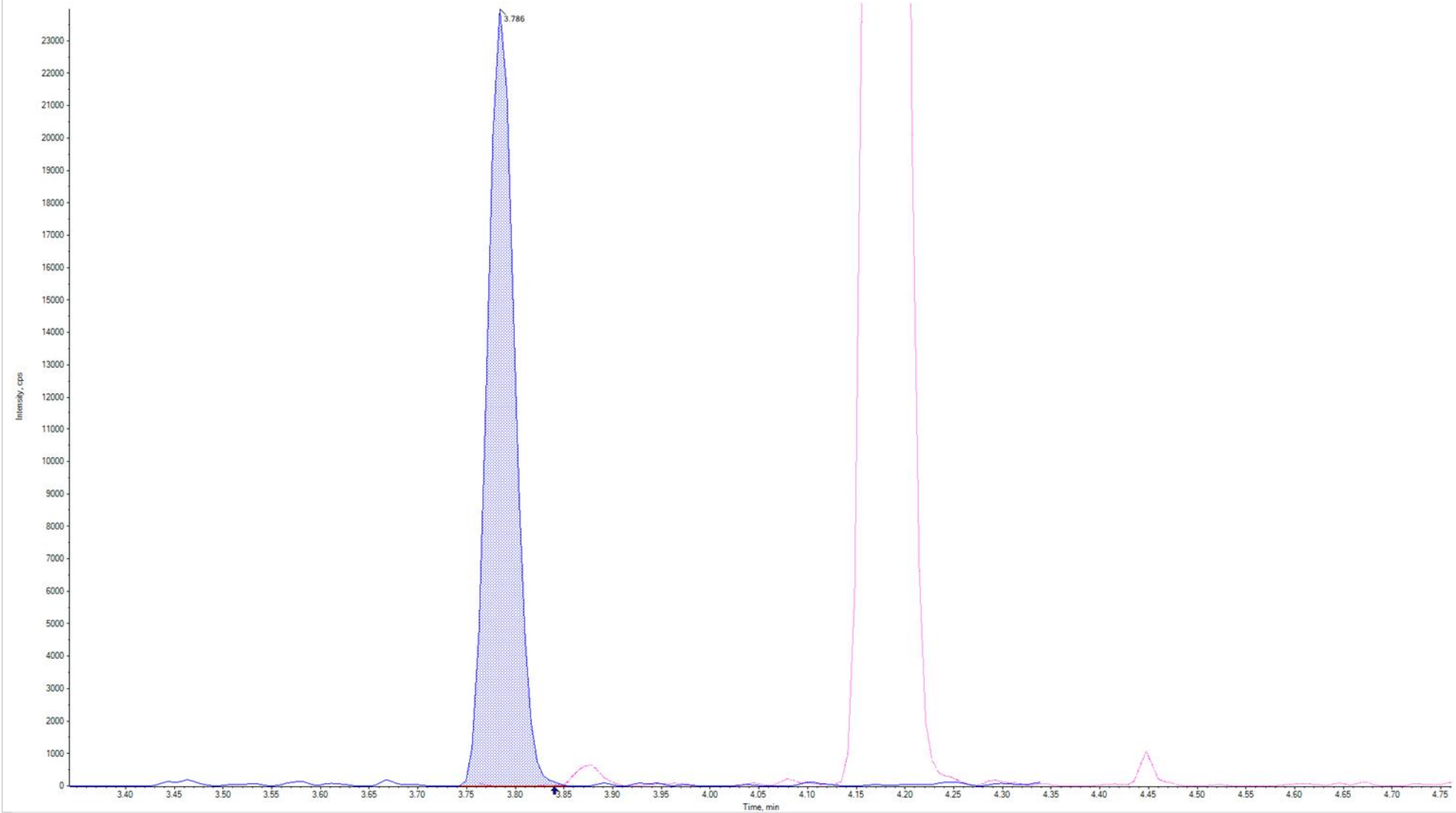
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFHxS_2
Sample: WG2011107-2 S/N:135.5 Points Across peak:43



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFHpS
Sample: WG2011107-2 S/N:480.8 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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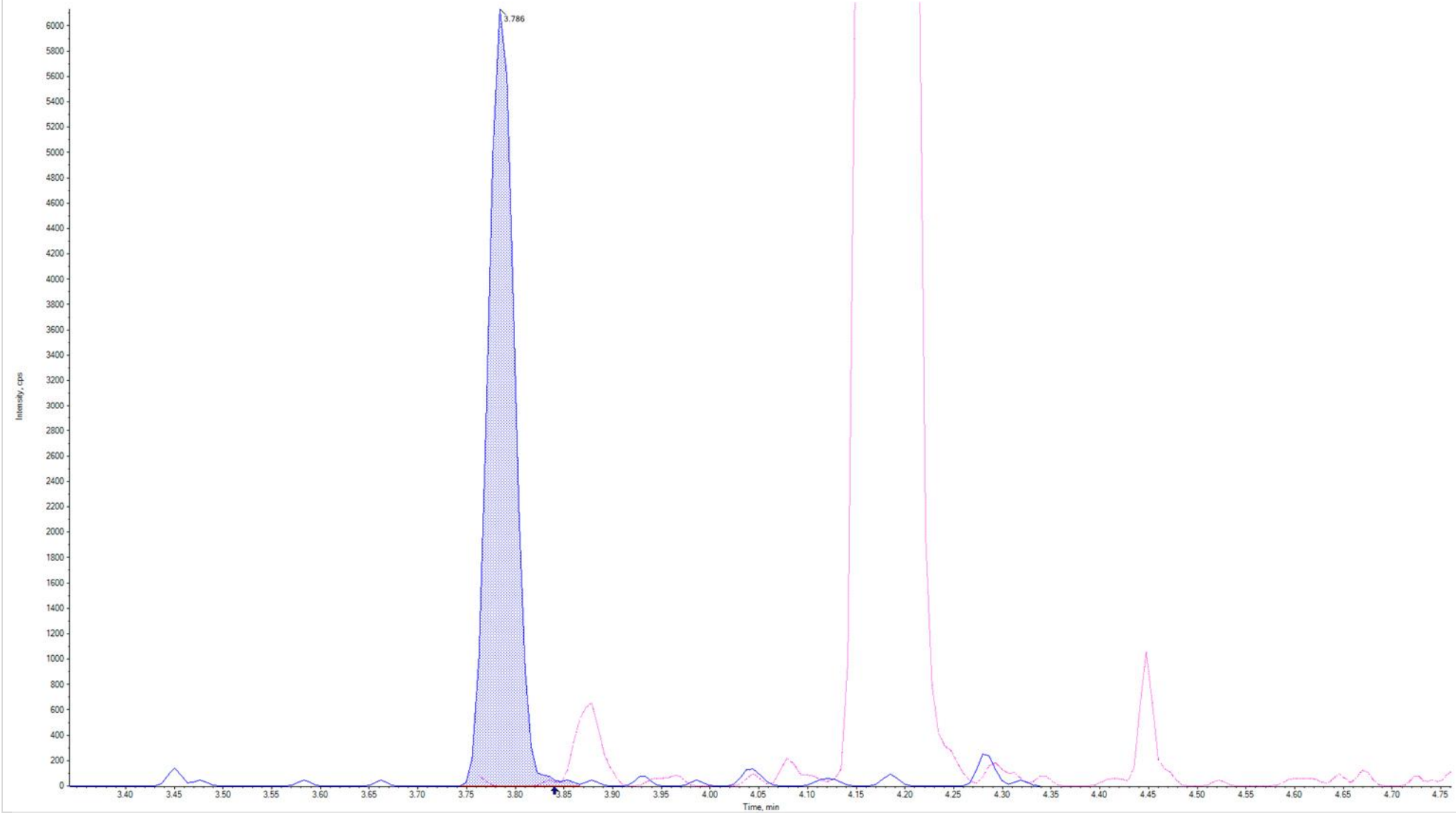
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFHpS_2
Sample: WG2011107-2 S/N:123.0 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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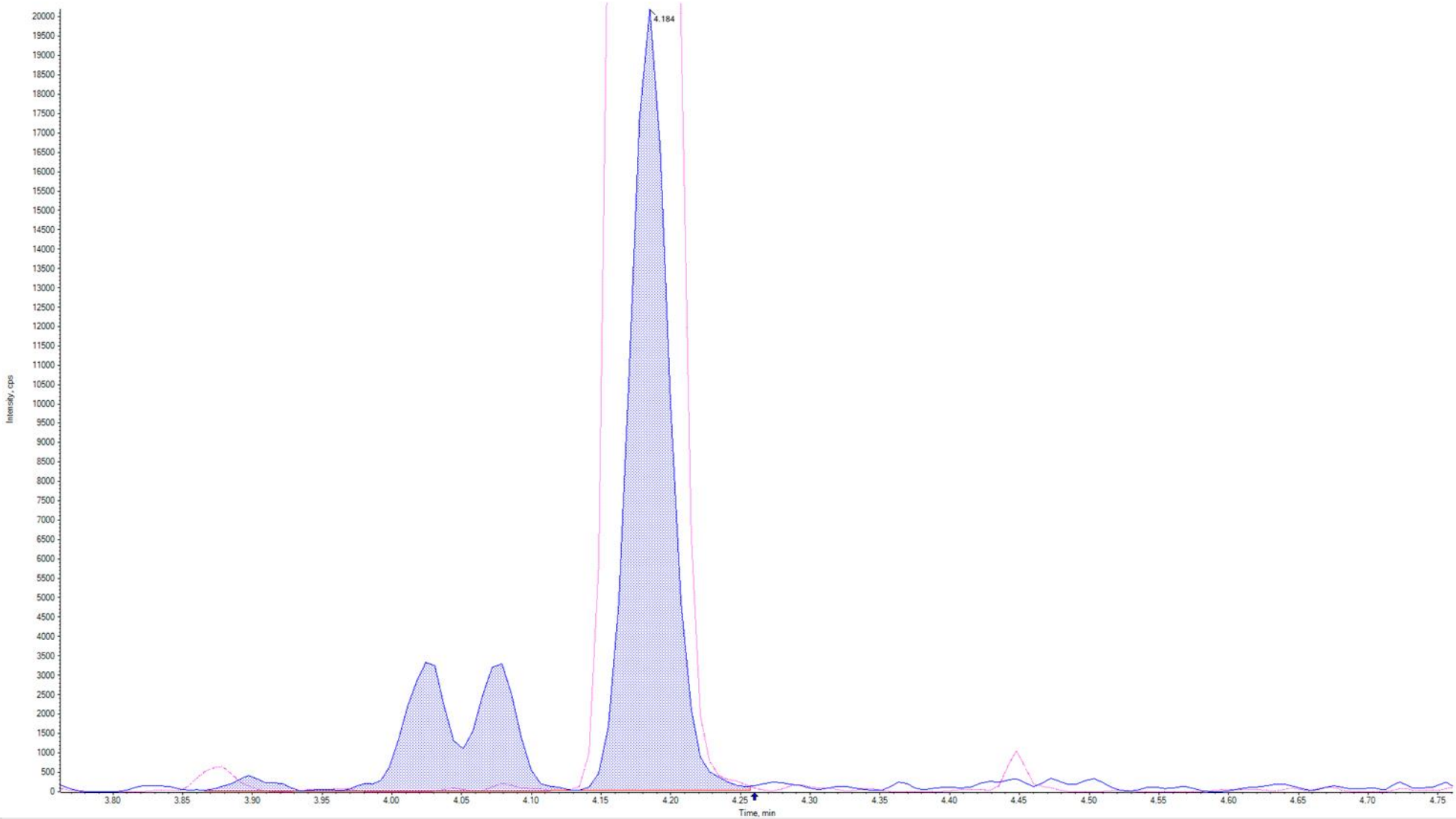
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFOS
Sample: WG2011107-2 S/N:197.9 Points Across peak:62



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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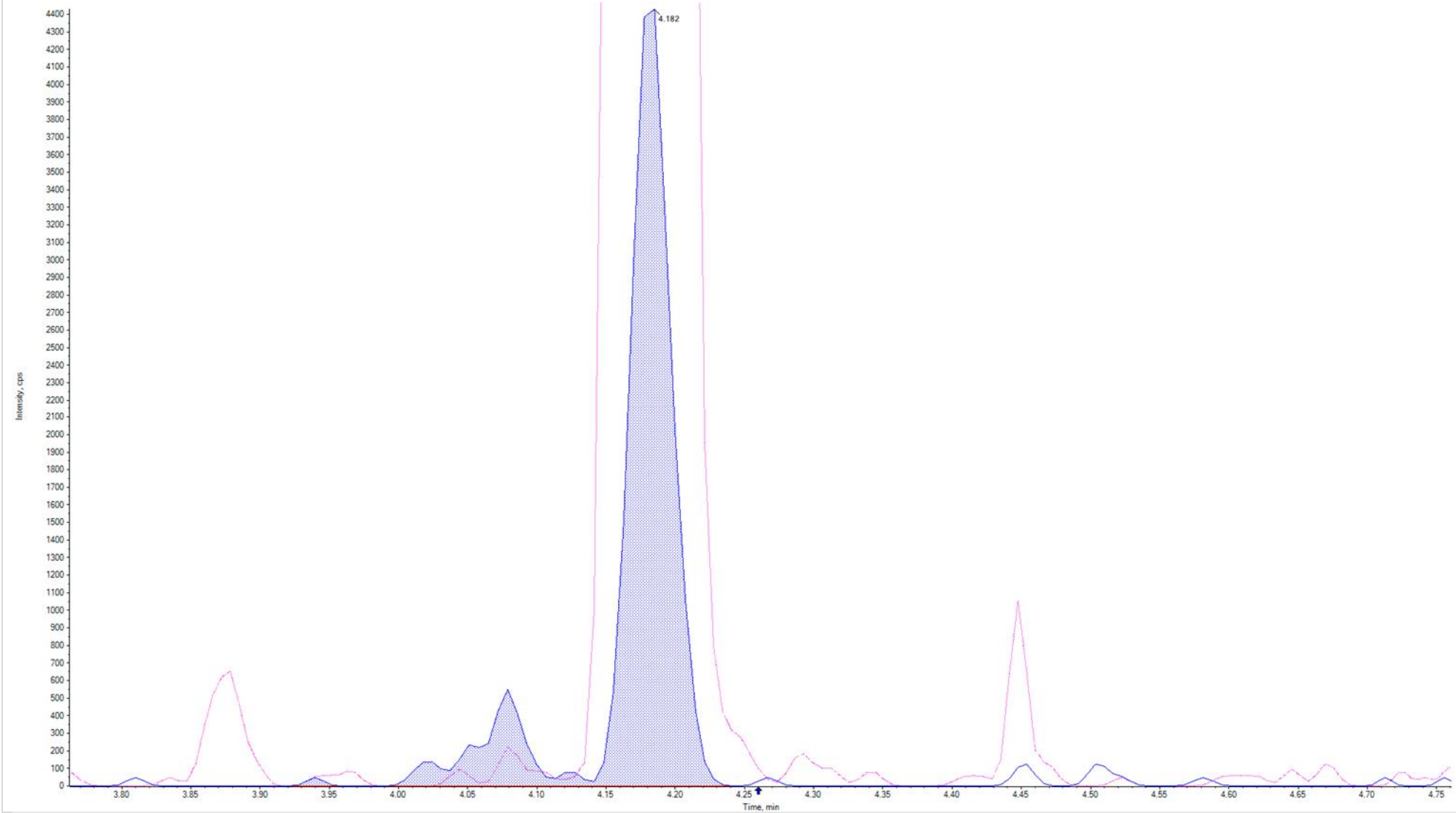
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFOS_2
Sample: WG2011107-2 S/N:88.8 Points Across peak:53



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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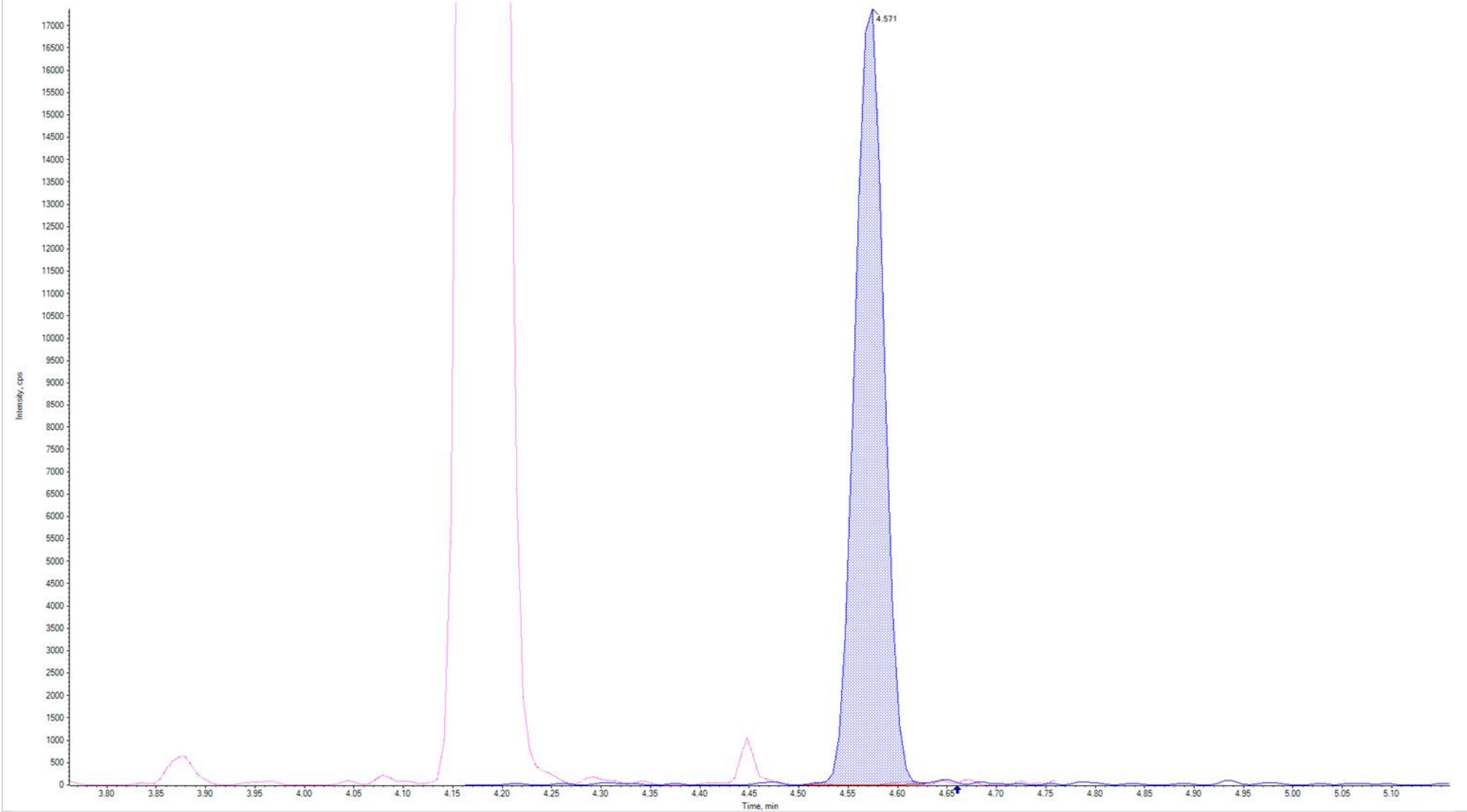
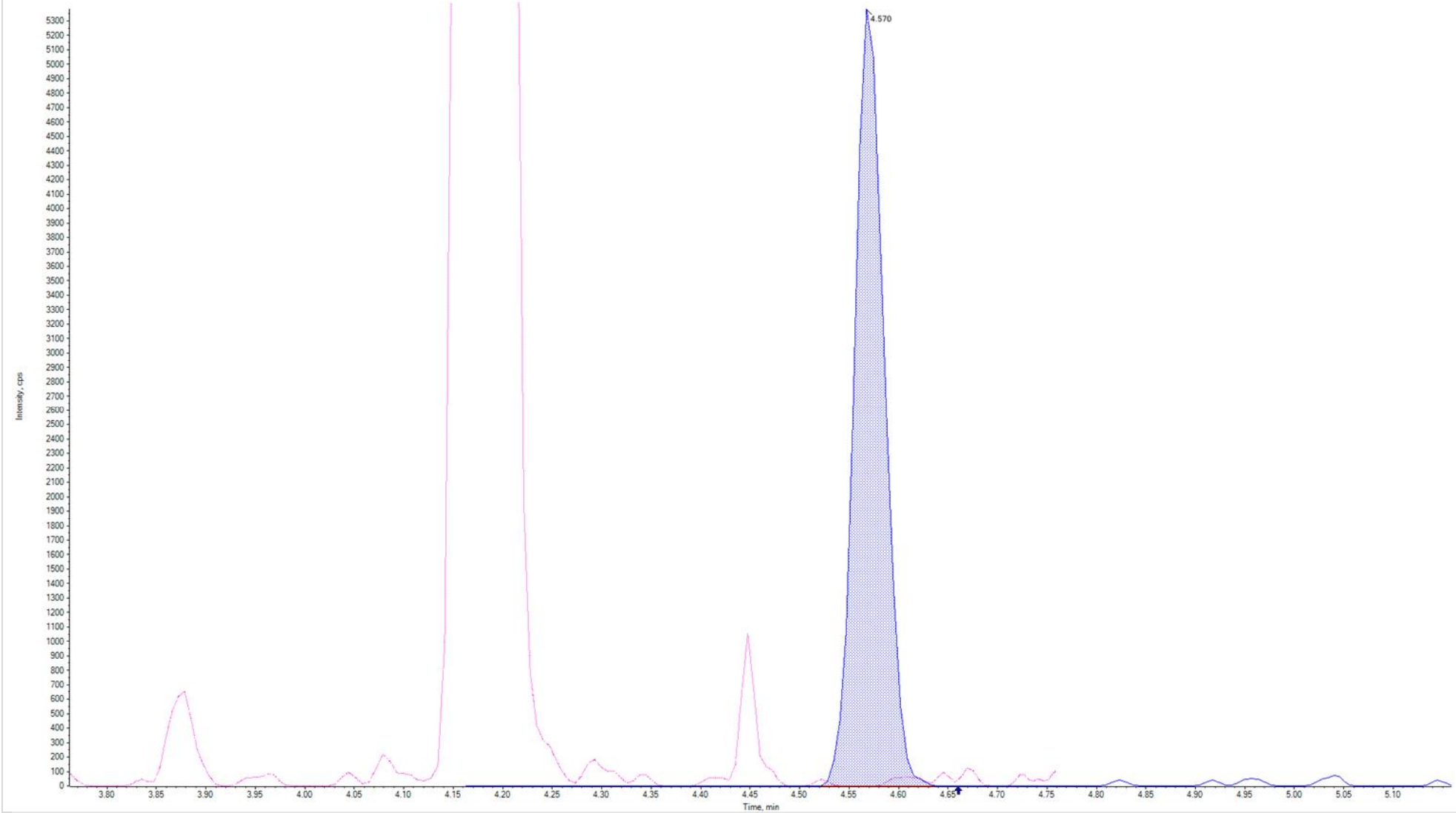
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFNS
Sample: WG2011107-2 S/N:435.2 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFNS_2
Sample: WG2011107-2 S/N:134.9 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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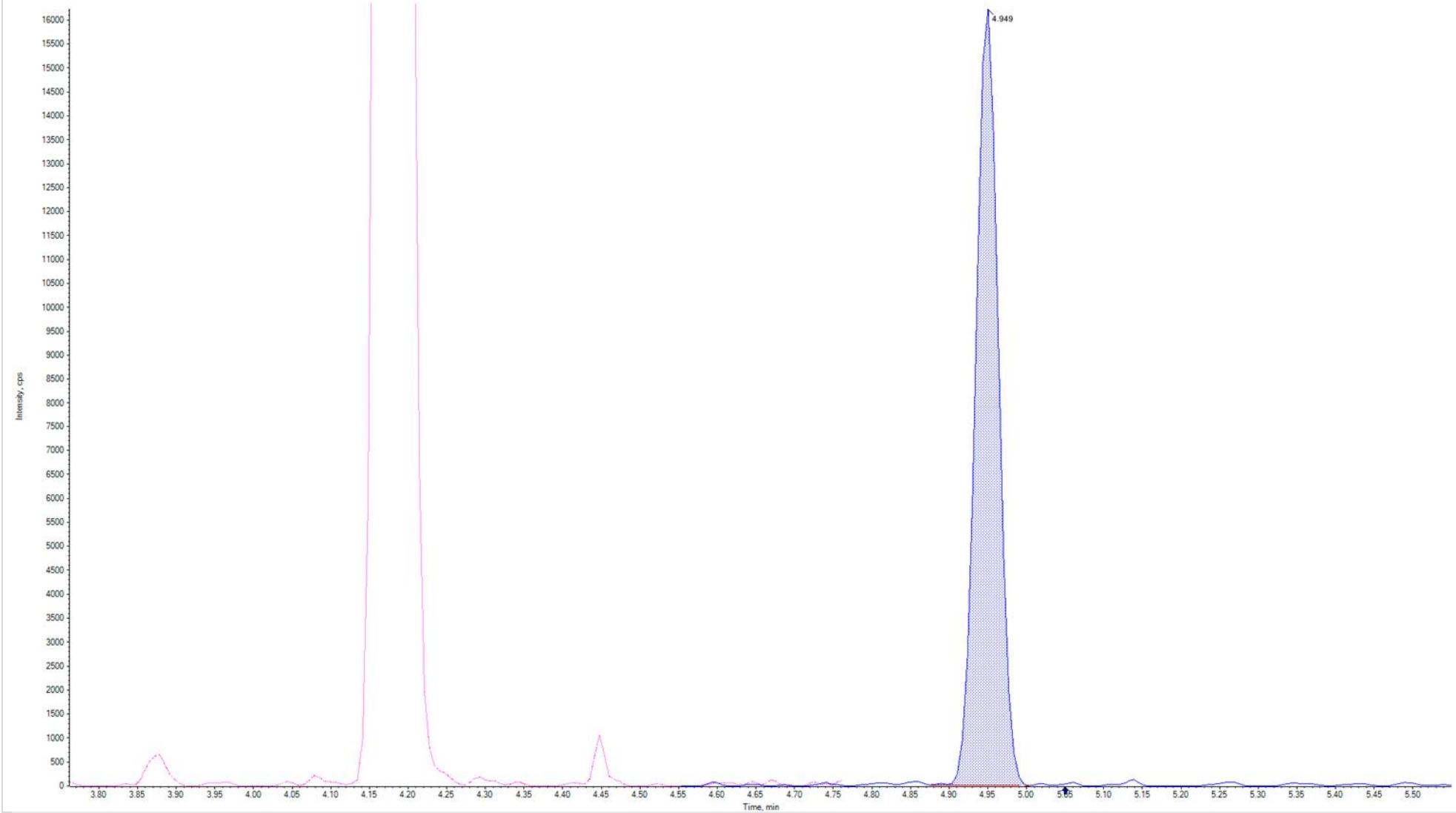
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFDS
Sample: WG2011107-2 S/N:569.1 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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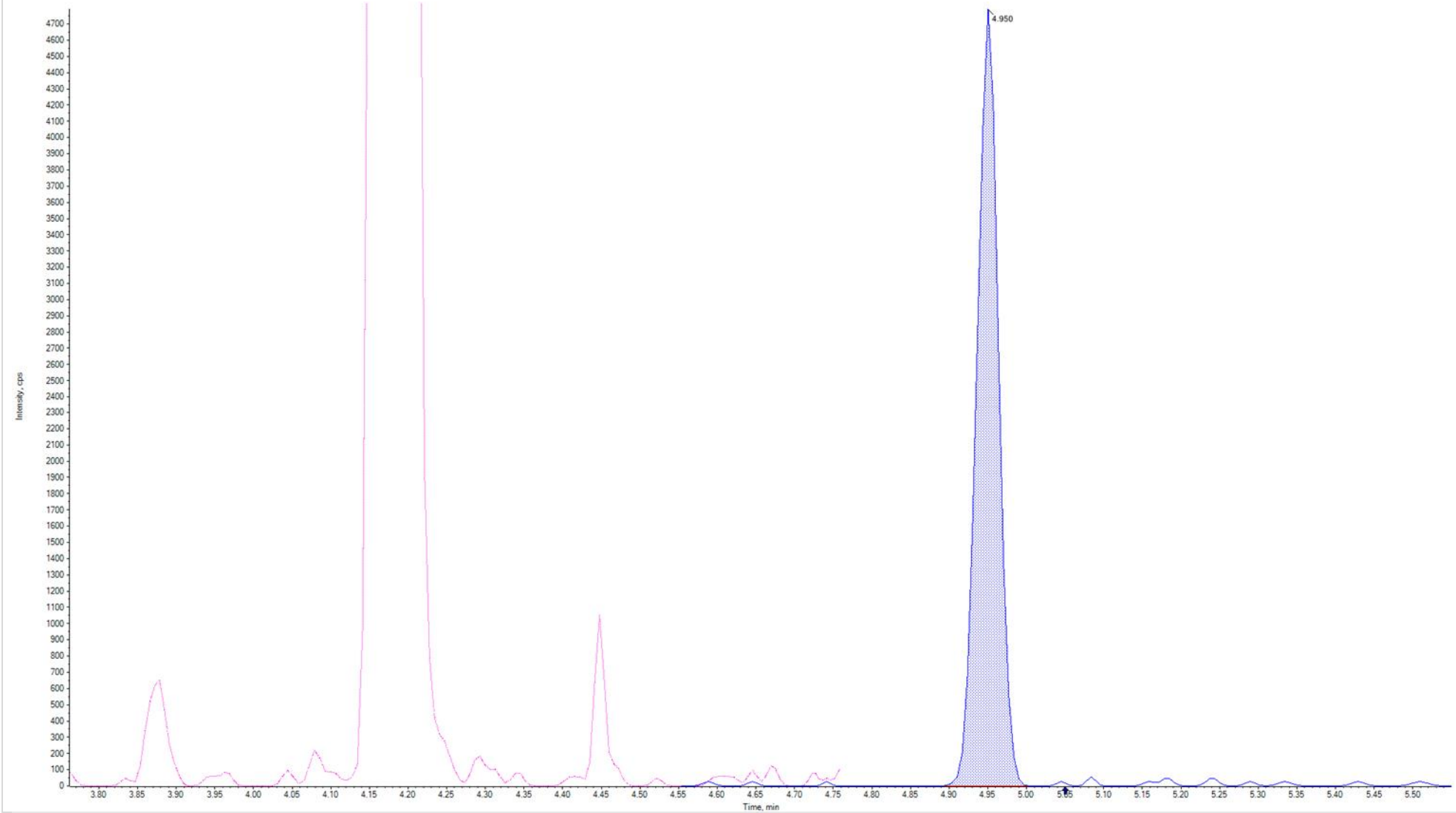
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFDS_2
Sample: WG2011107-2 S/N:168.2 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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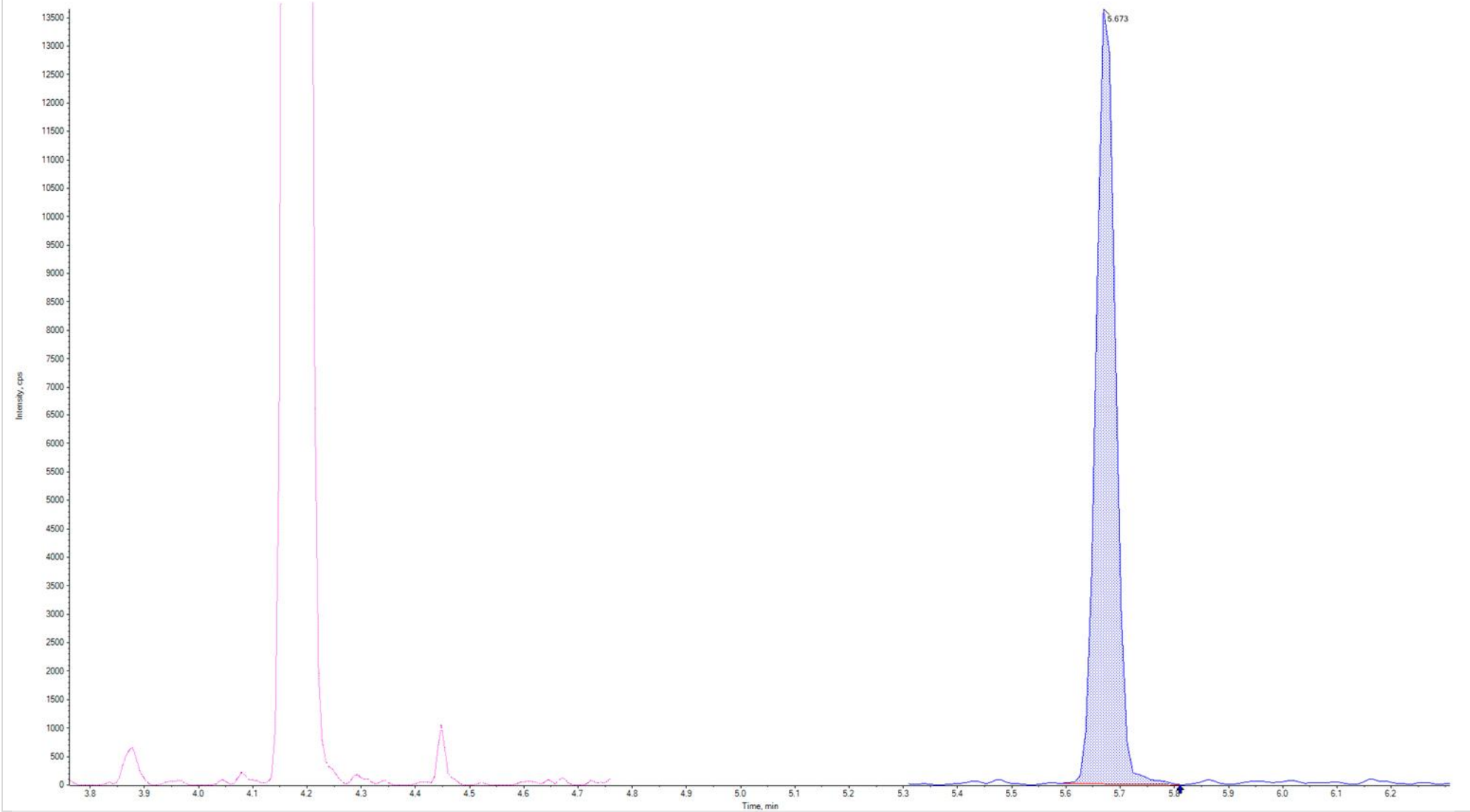
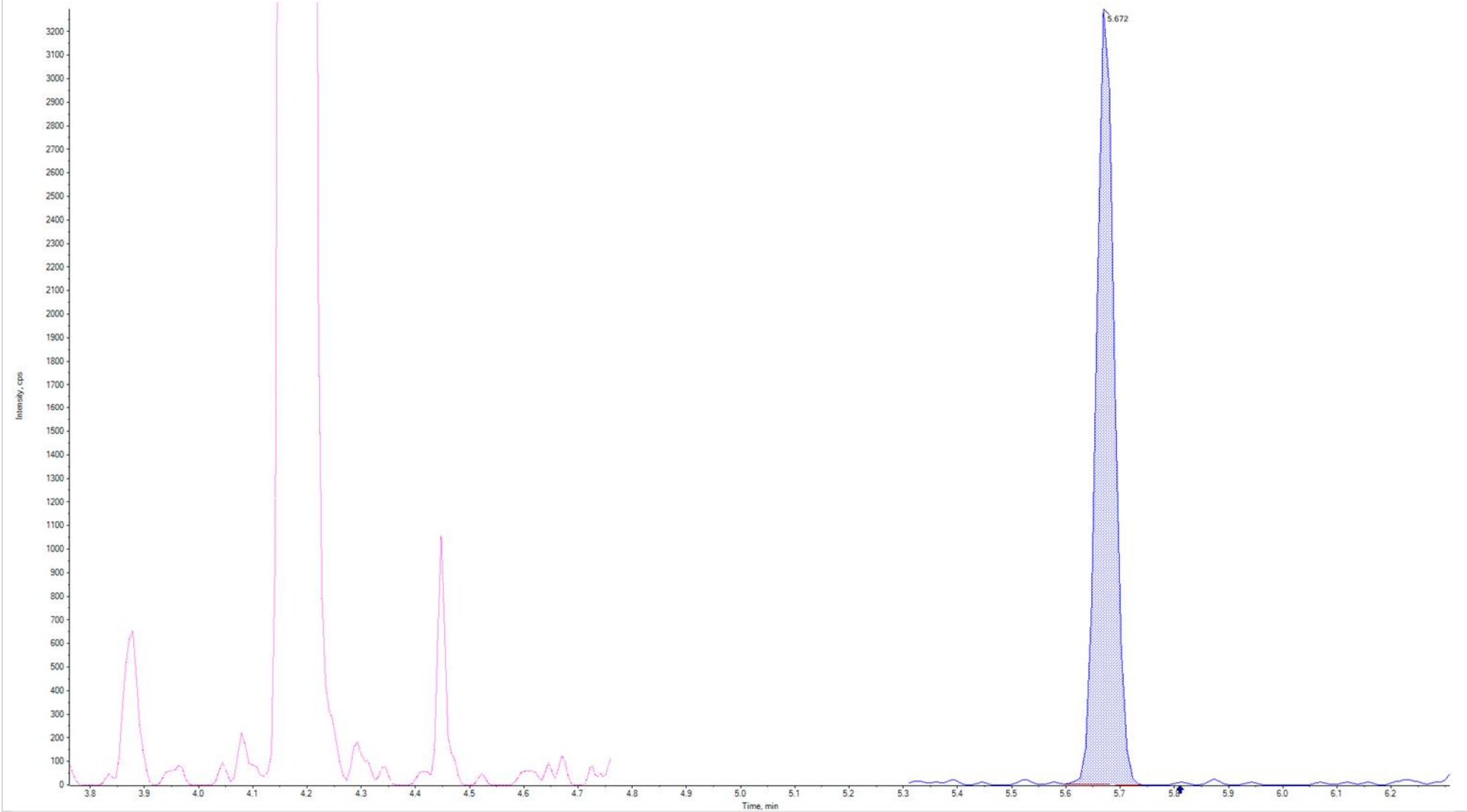
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFDoS
Sample: WG2011107-2 S/N:1059.2 Points Across peak:22



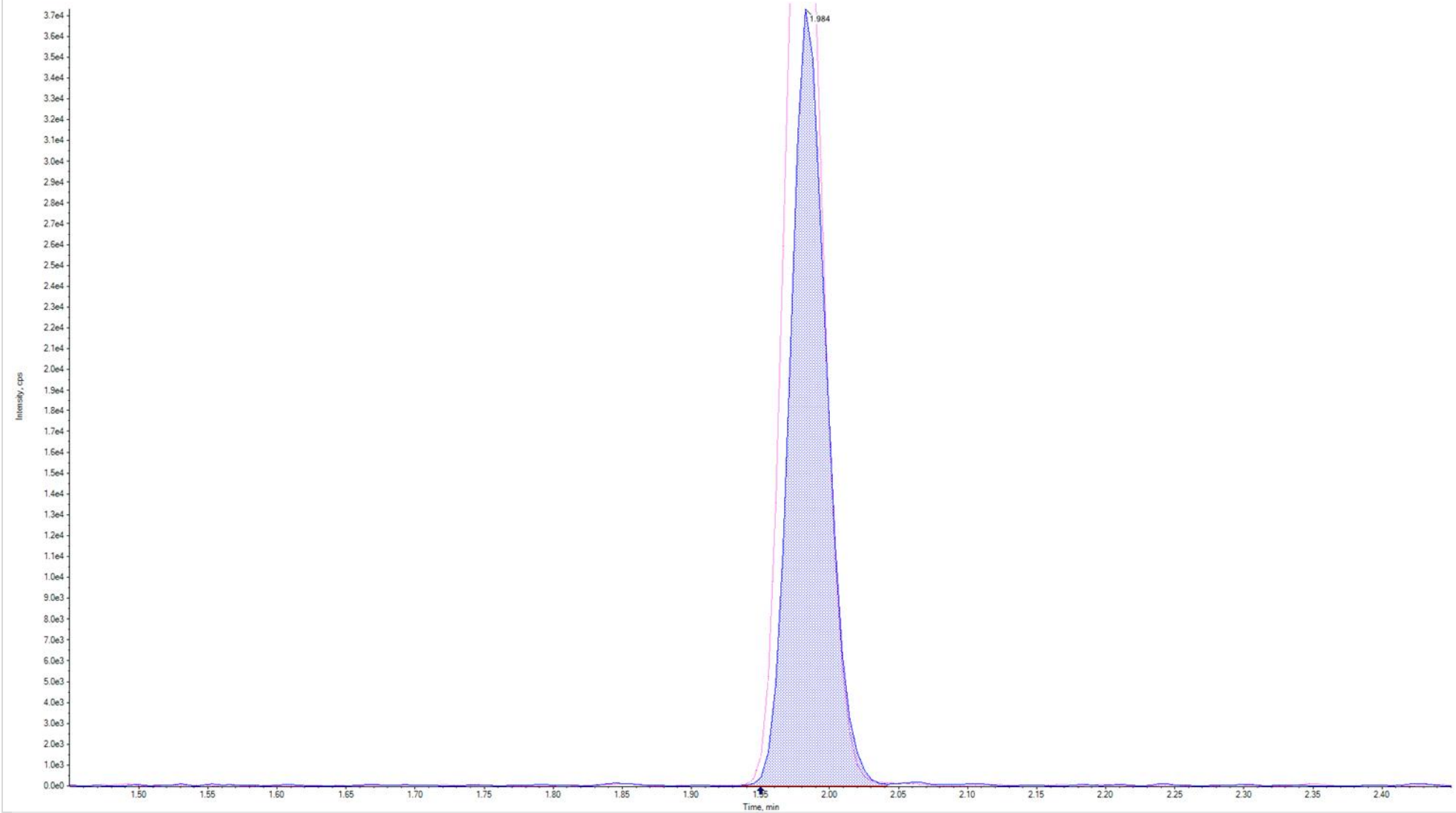
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFDoS_2
Sample: WG2011107-2 S/N:255.9 Points Across peak:15



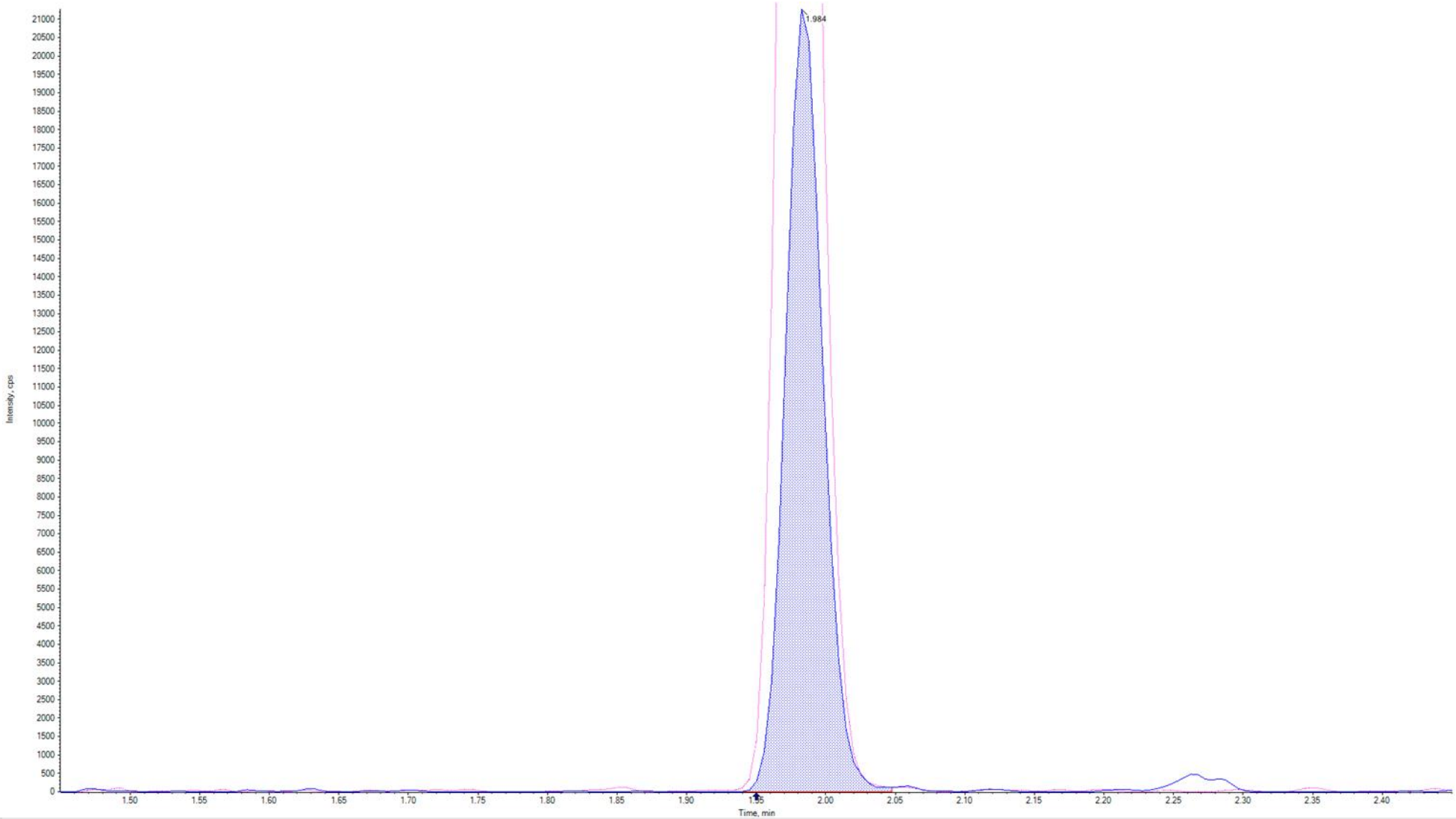
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

4:2FTS
Sample: WG2011107-2 S/N:1402.6 Points Across peak:23



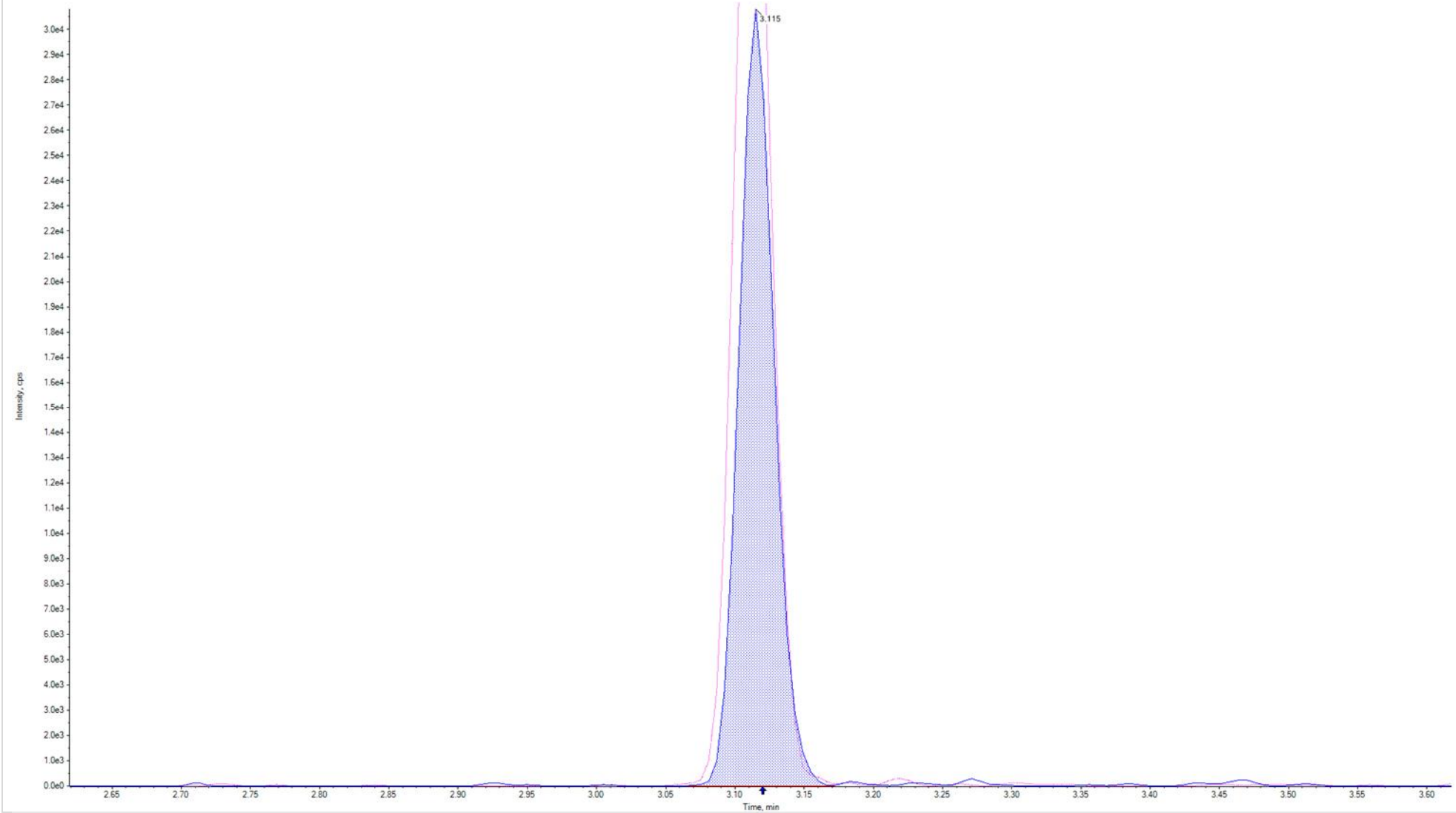
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

4:2FTS_2
Sample: WG2011107-2 S/N:799.8 Points Across peak:22



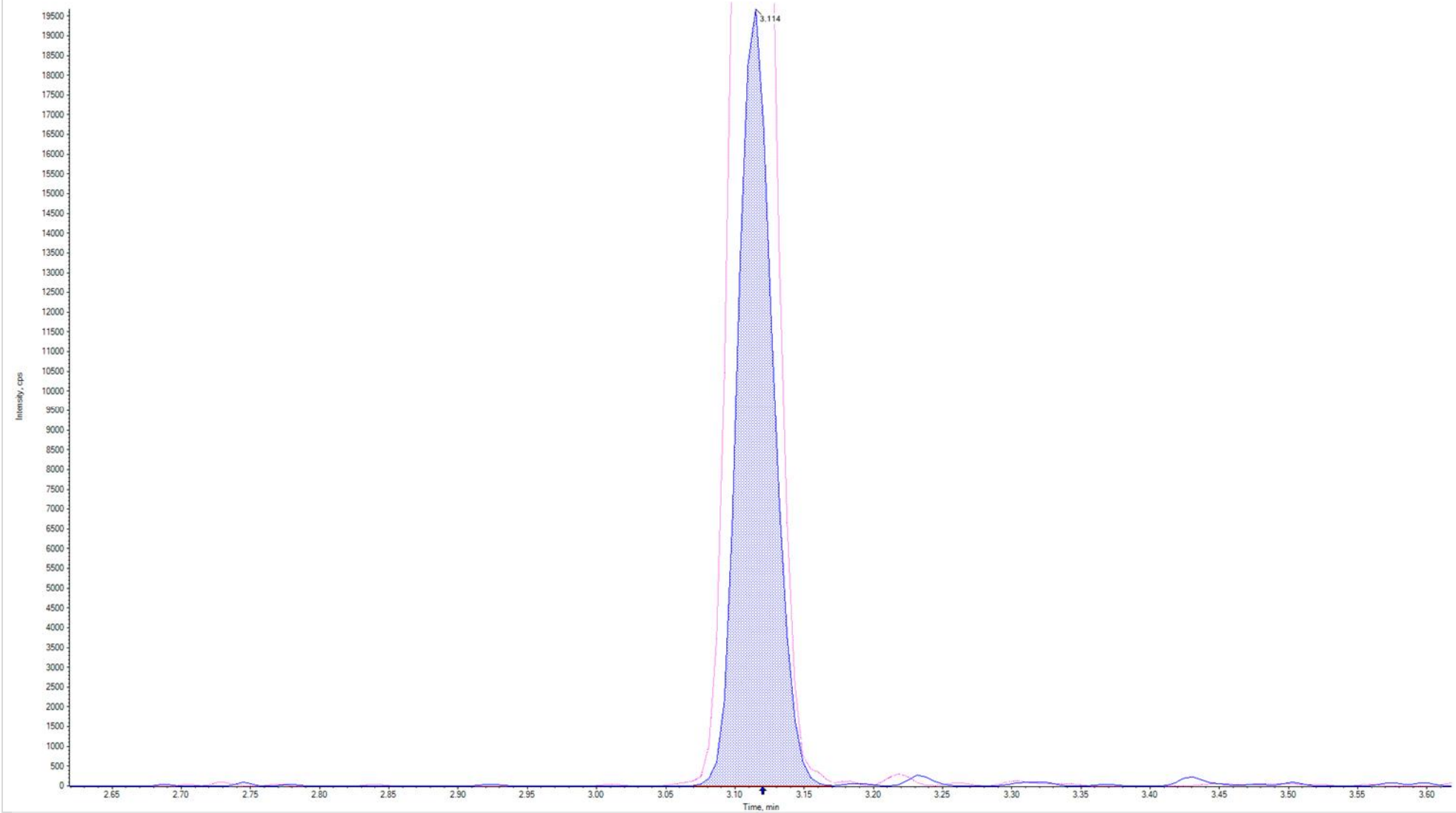
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

6:2FTS
Sample: WG2011107-2 S/N:617.7 Points Across peak:24



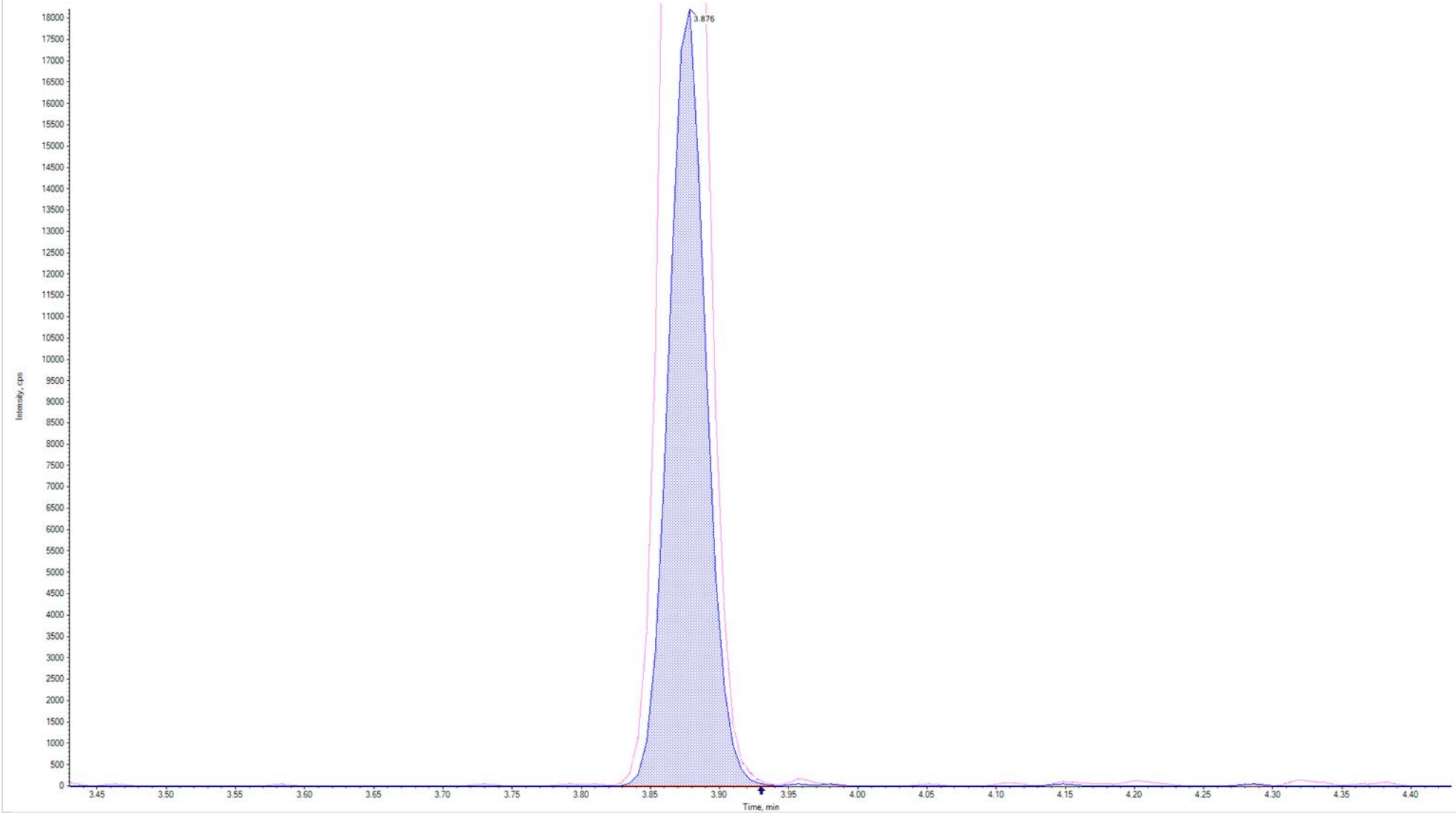
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

6:2FTS_2
Sample: WG2011107-2 S/N:394.5 Points Across peak:21



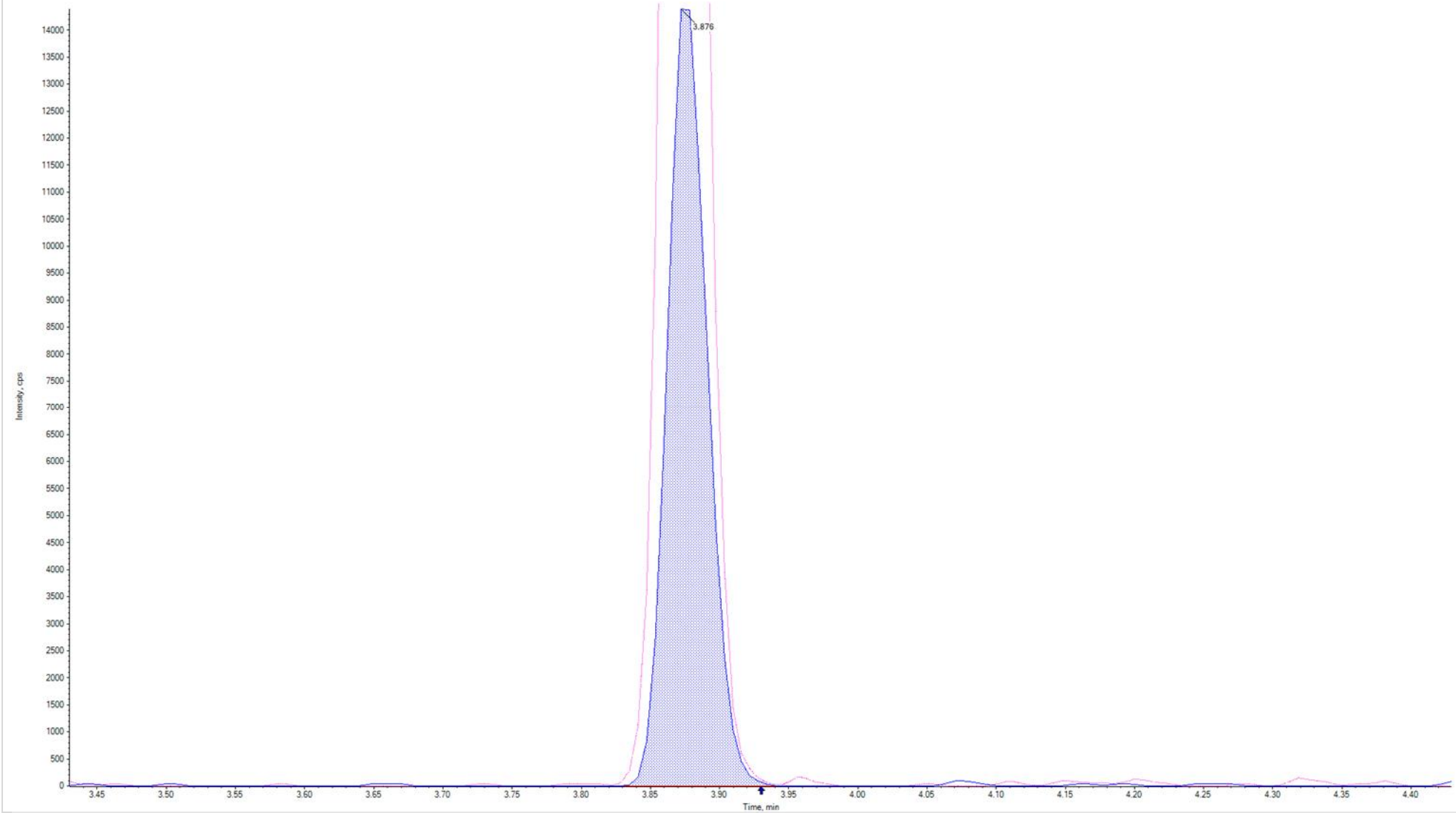
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

8:2FTS
Sample: WG2011107-2 S/N:365.2 Points Across peak:26



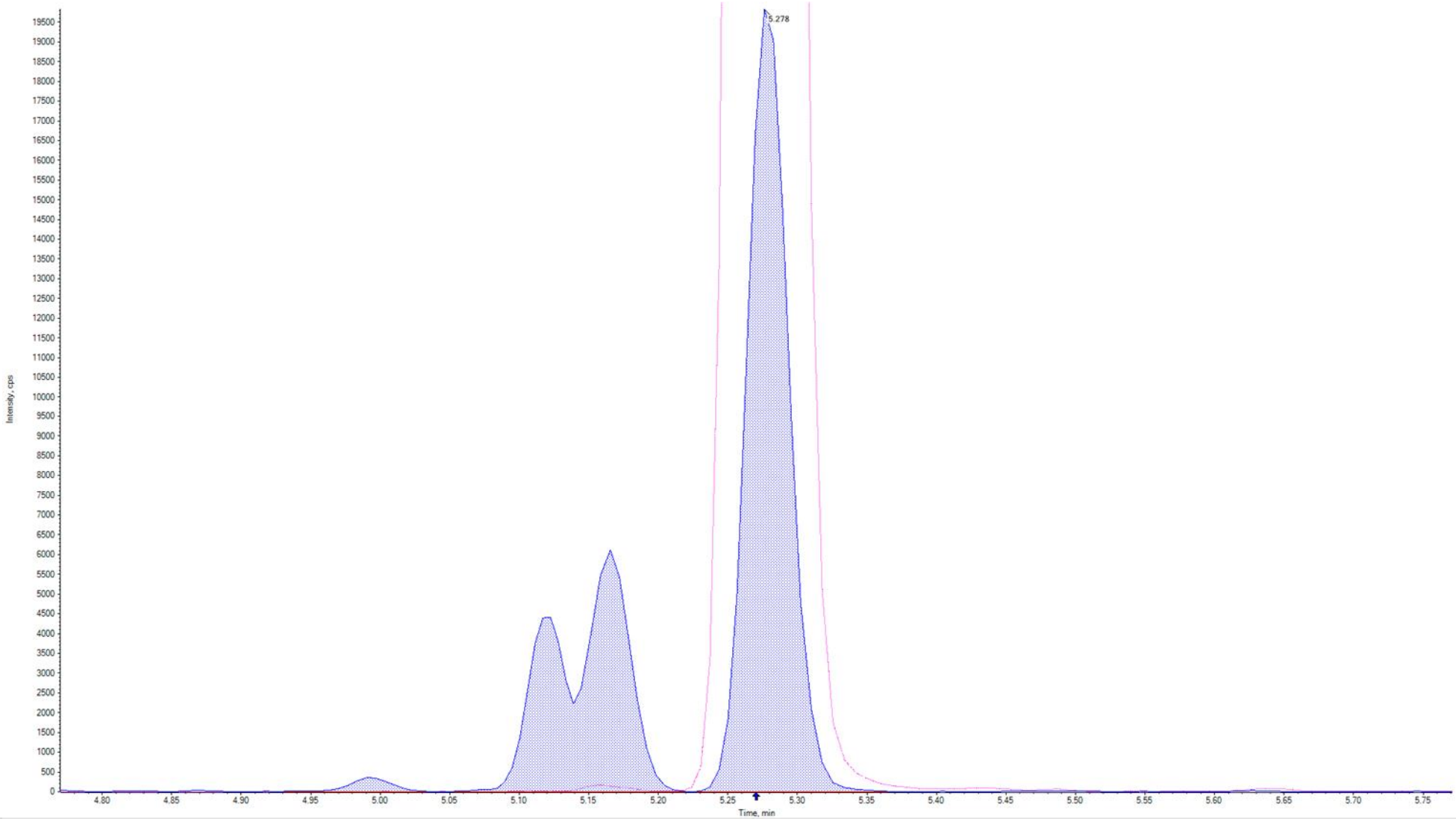
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

8:2FTS_2
Sample: WG2011107-2 S/N:288.5 Points Across peak:30



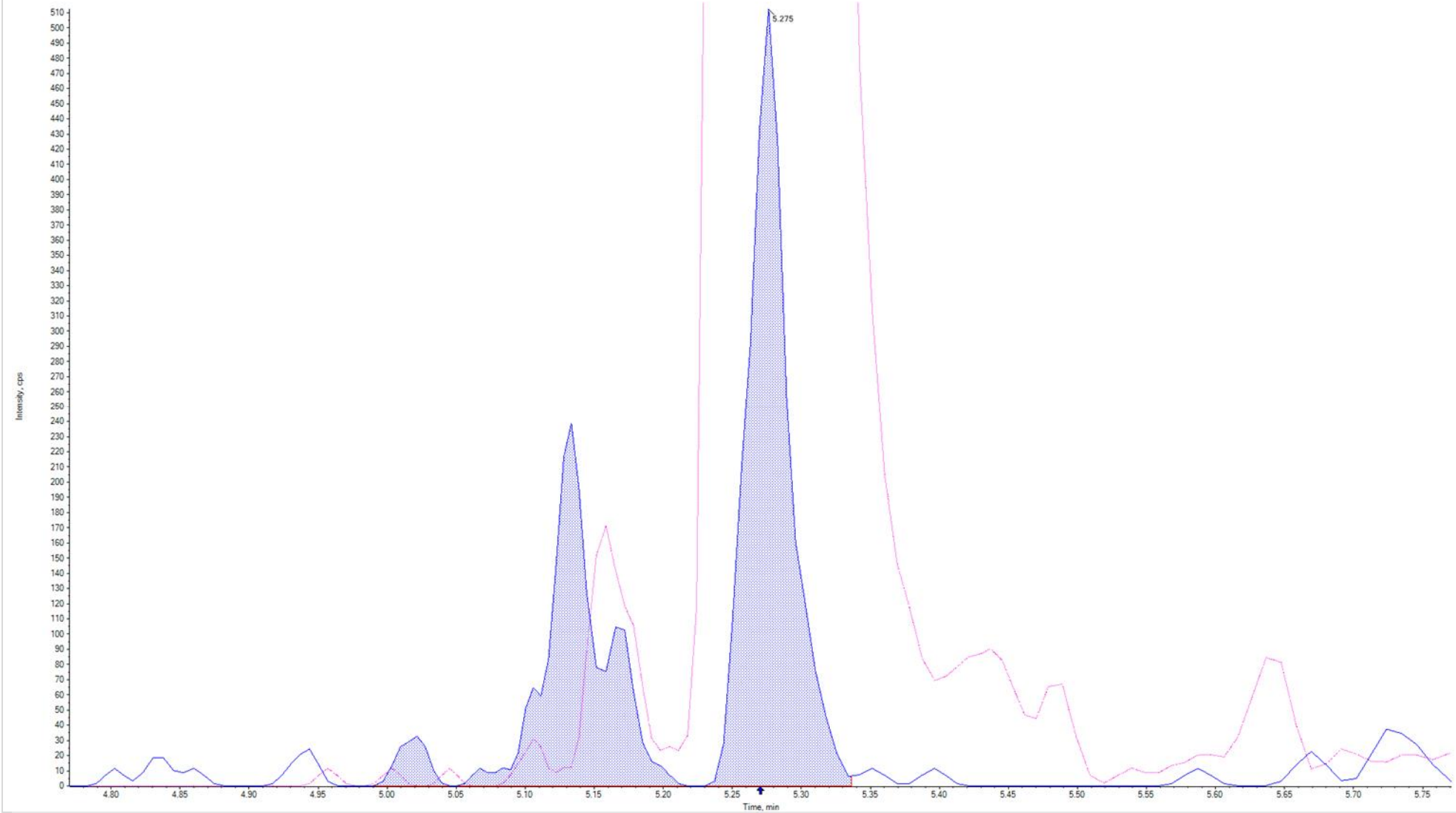
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFOSA
Sample: WG2011107-2 S/N:234.8 Points Across peak:72



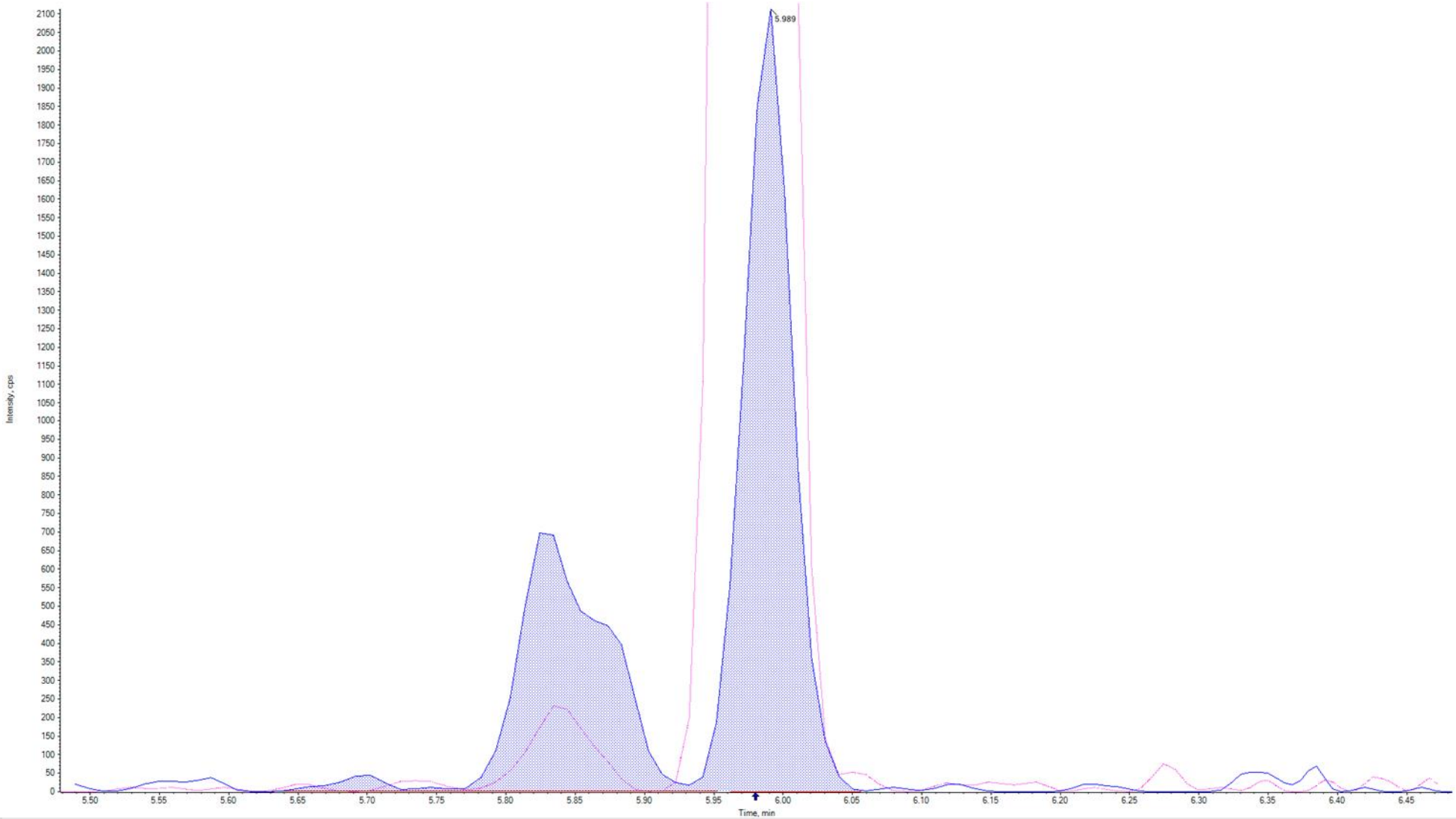
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFOSA_2
Sample: WG2011107-2 S/N:45.0 Points Across peak:59



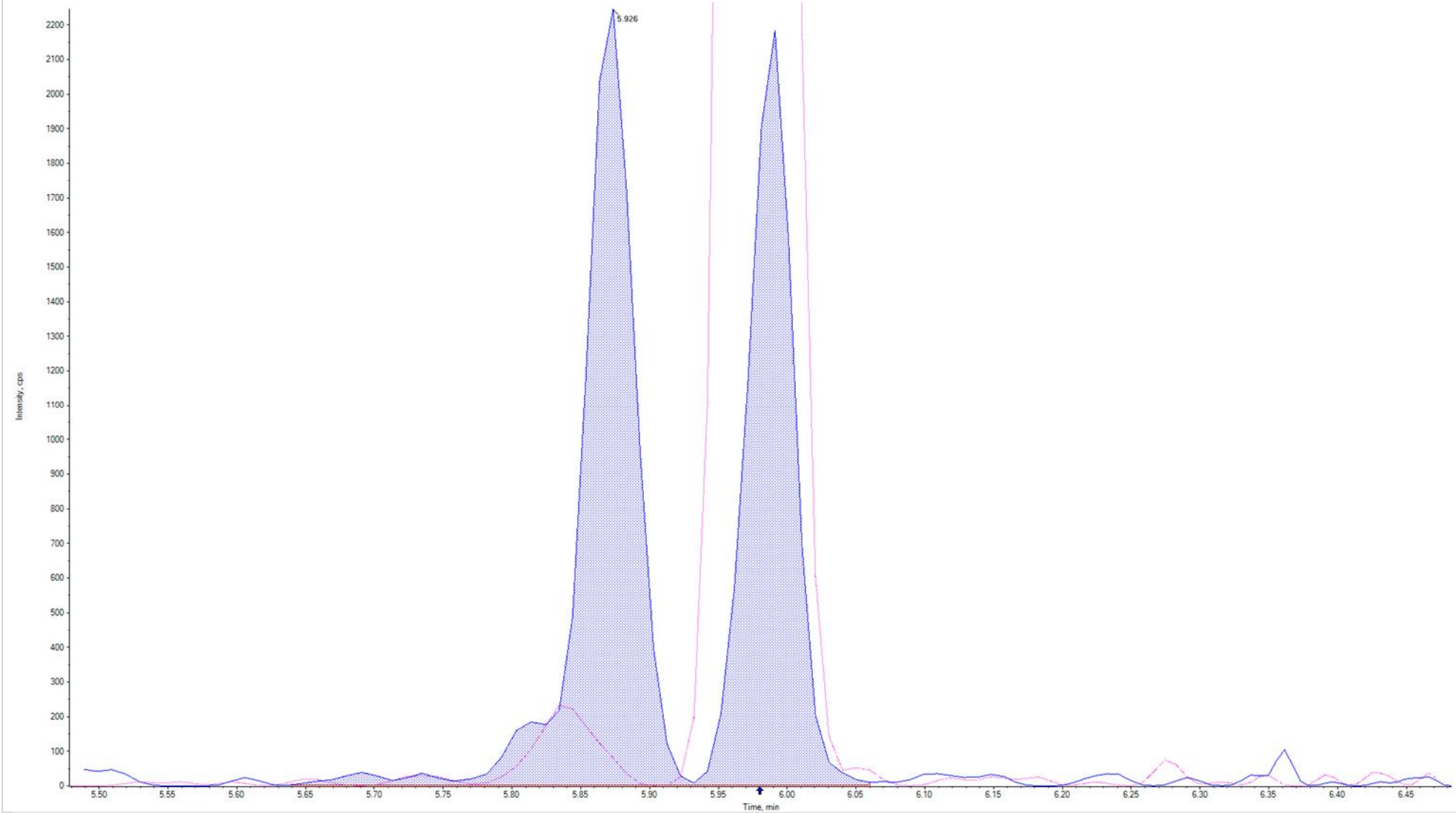
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

NMeFOSA
Sample: WG2011107-2 S/N:117.4 Points Across peak:43



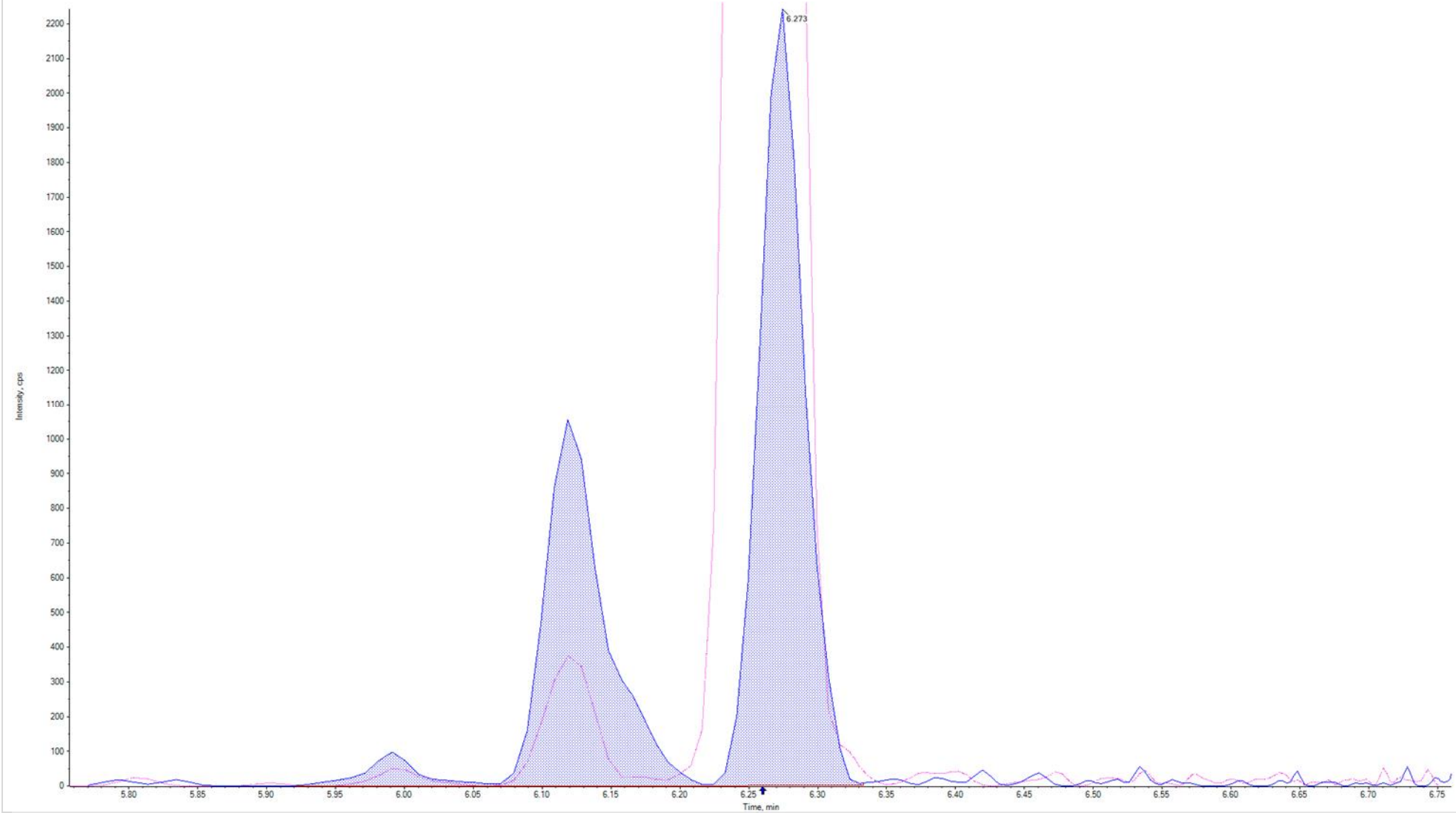
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

NMeFOSA_2
Sample: WG2011107-2 S/N:109.3 Points Across peak:44



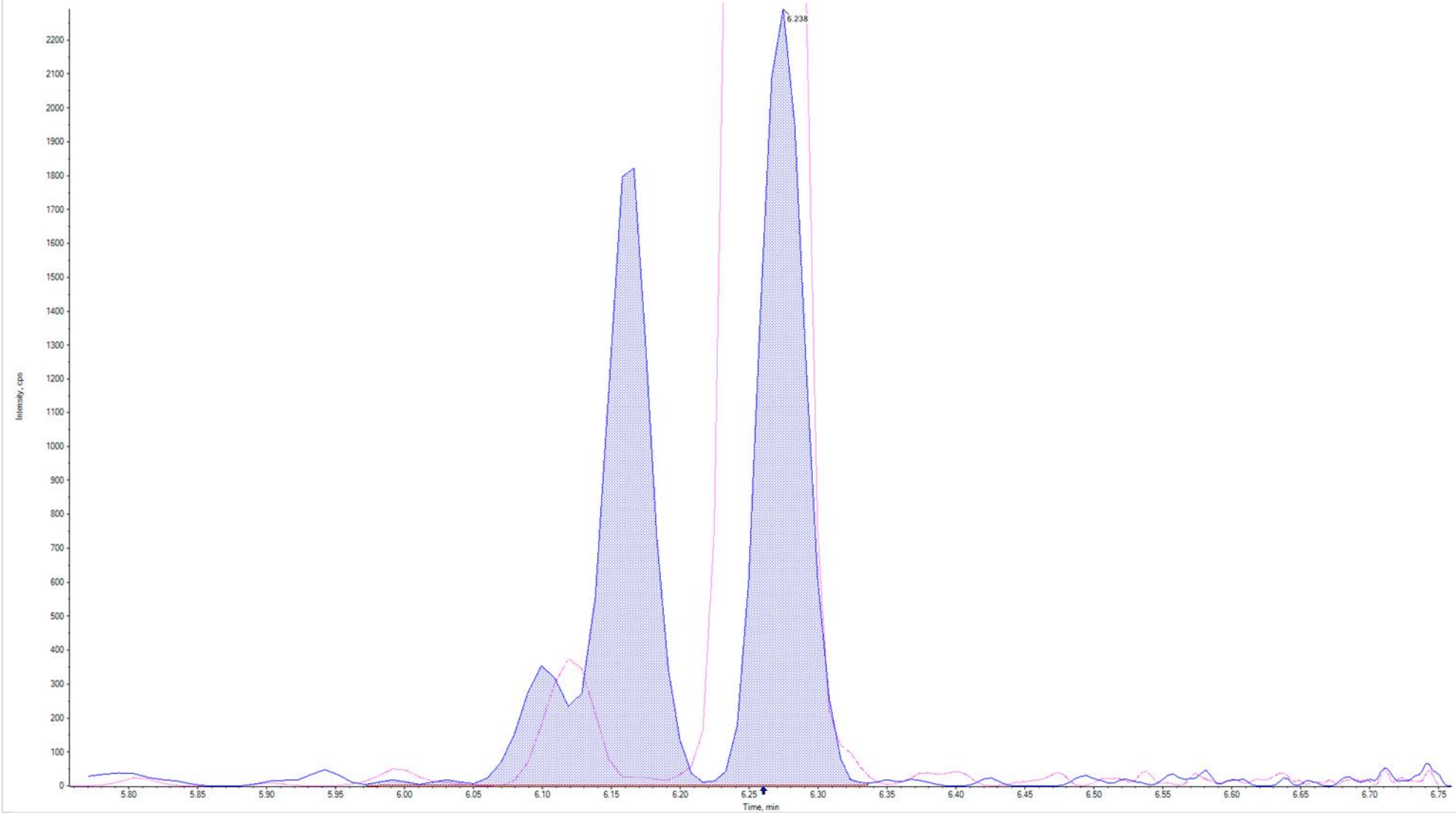
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

NEtFOSA
Sample: WG2011107-2 S/N:223.1 Points Across peak:48



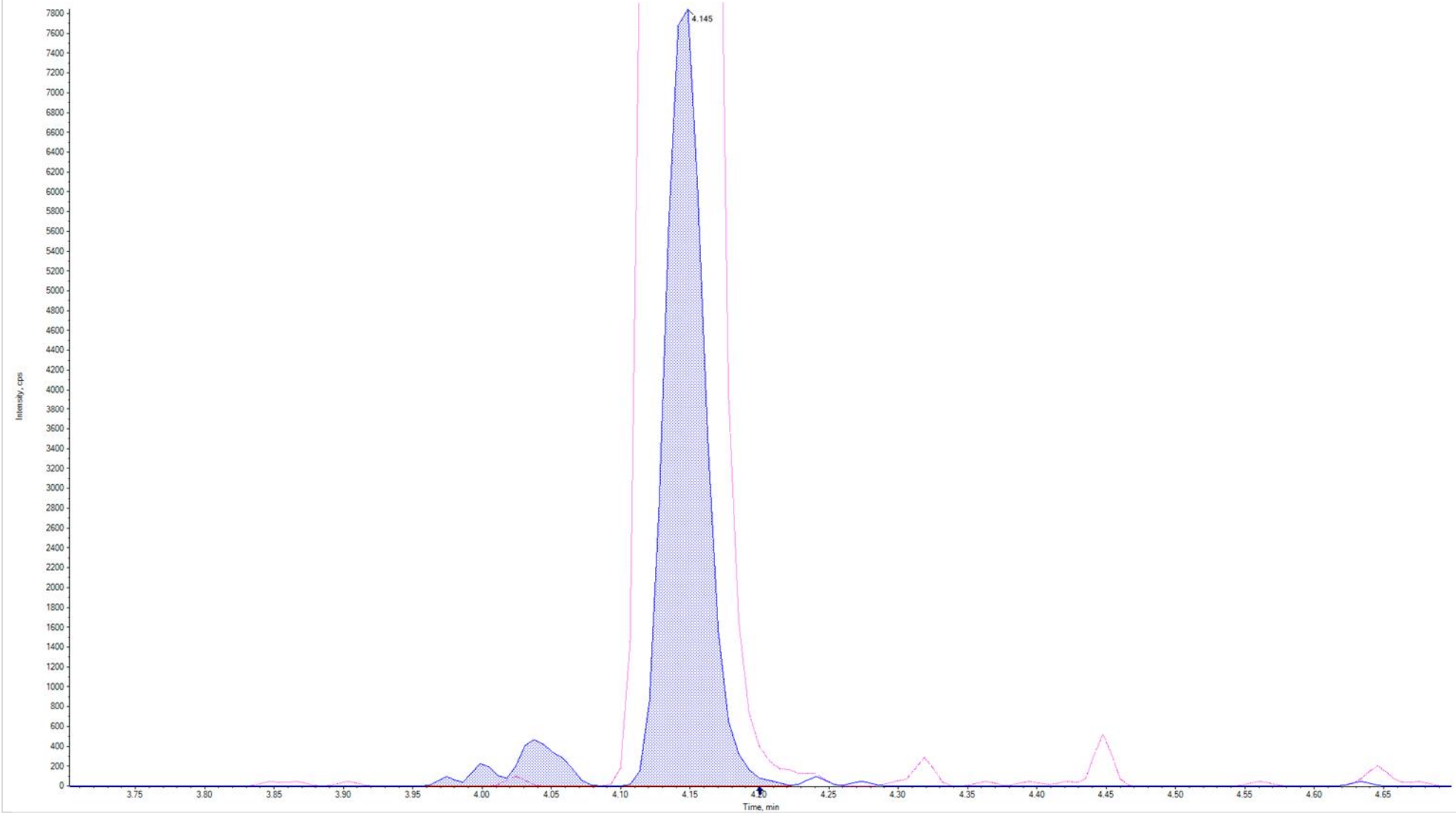
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

NEtFOSA_2
Sample: WG2011107-2 S/N:178.5 Points Across peak:42



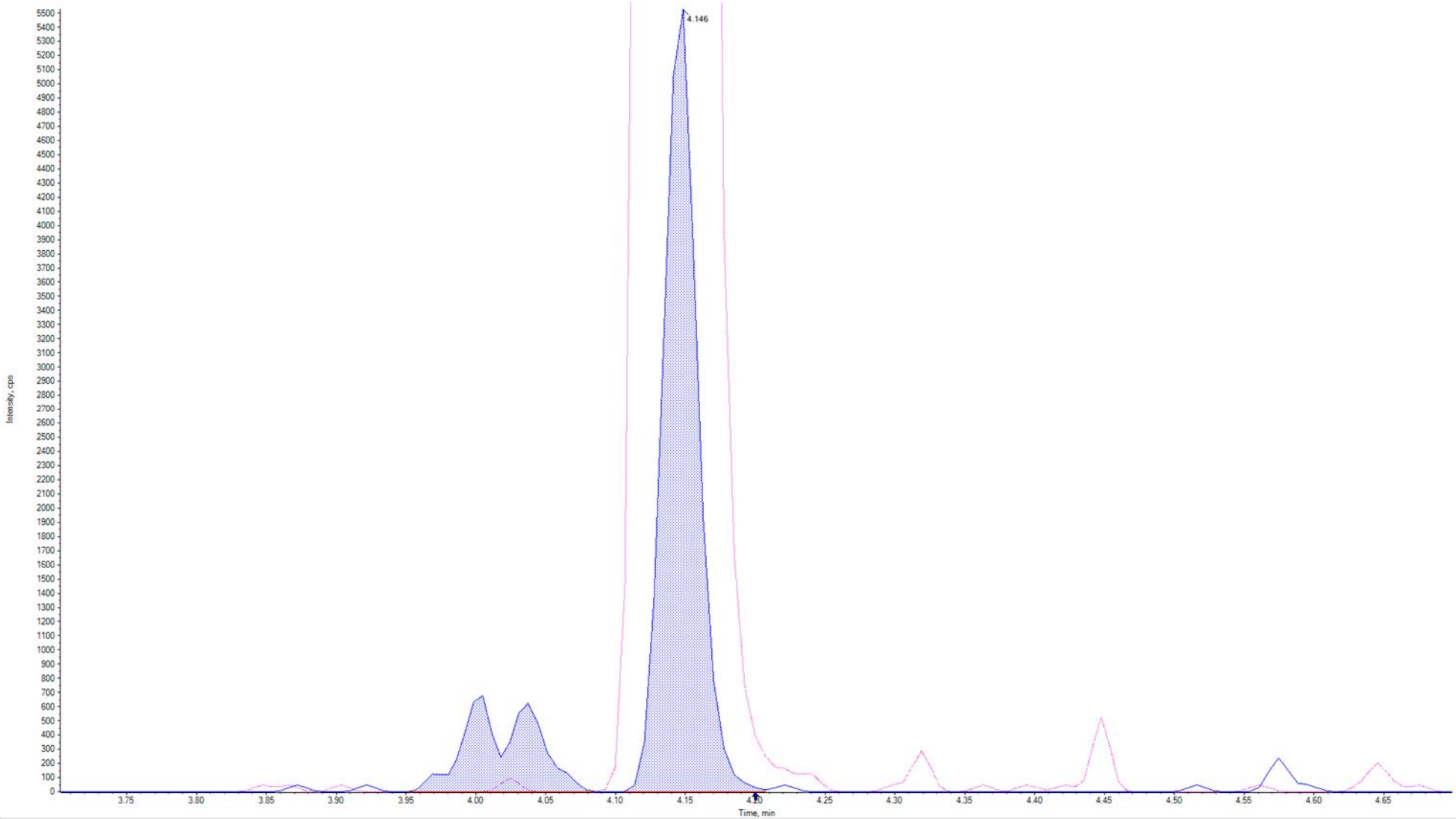
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

NMeFOSAA
Sample: WG2011107-2 S/N:157.2 Points Across peak:41



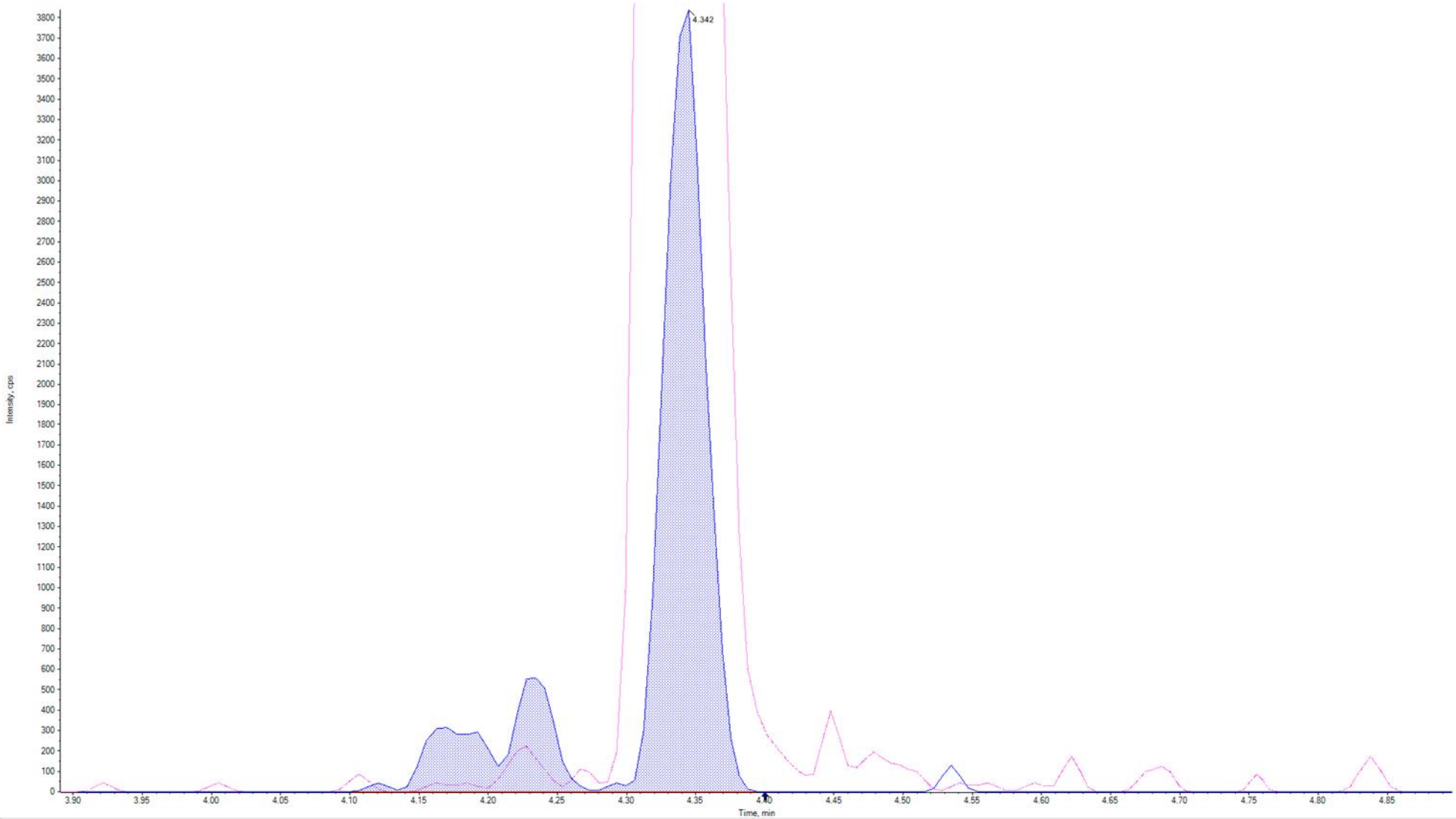
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

NMeFOSAA_2
Sample: WG2011107-2 S/N:110.8 Points Across peak:40



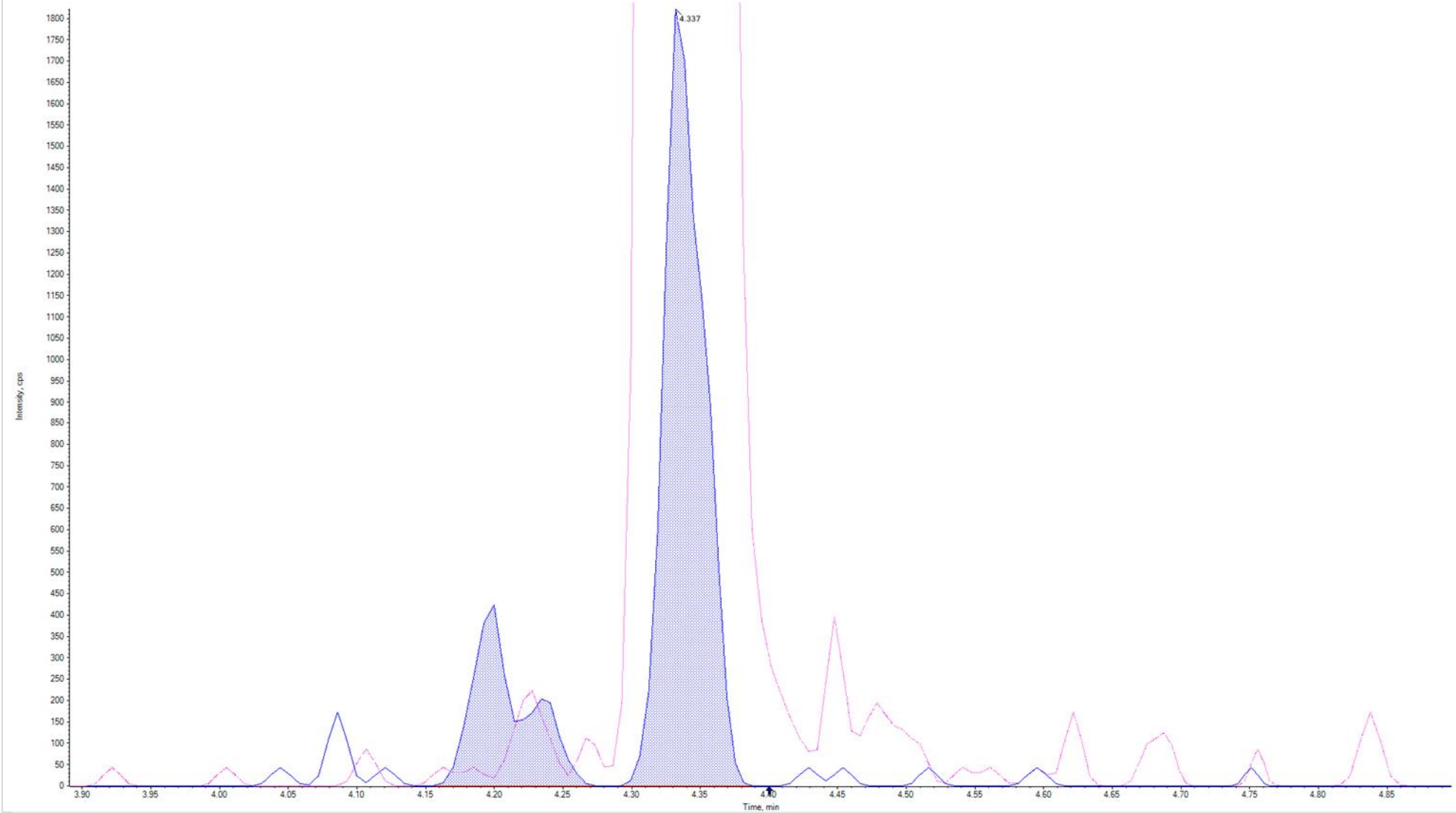
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

NEtFOSAA
Sample: WG2011107-2 S/N:86.6 Points Across peak:55



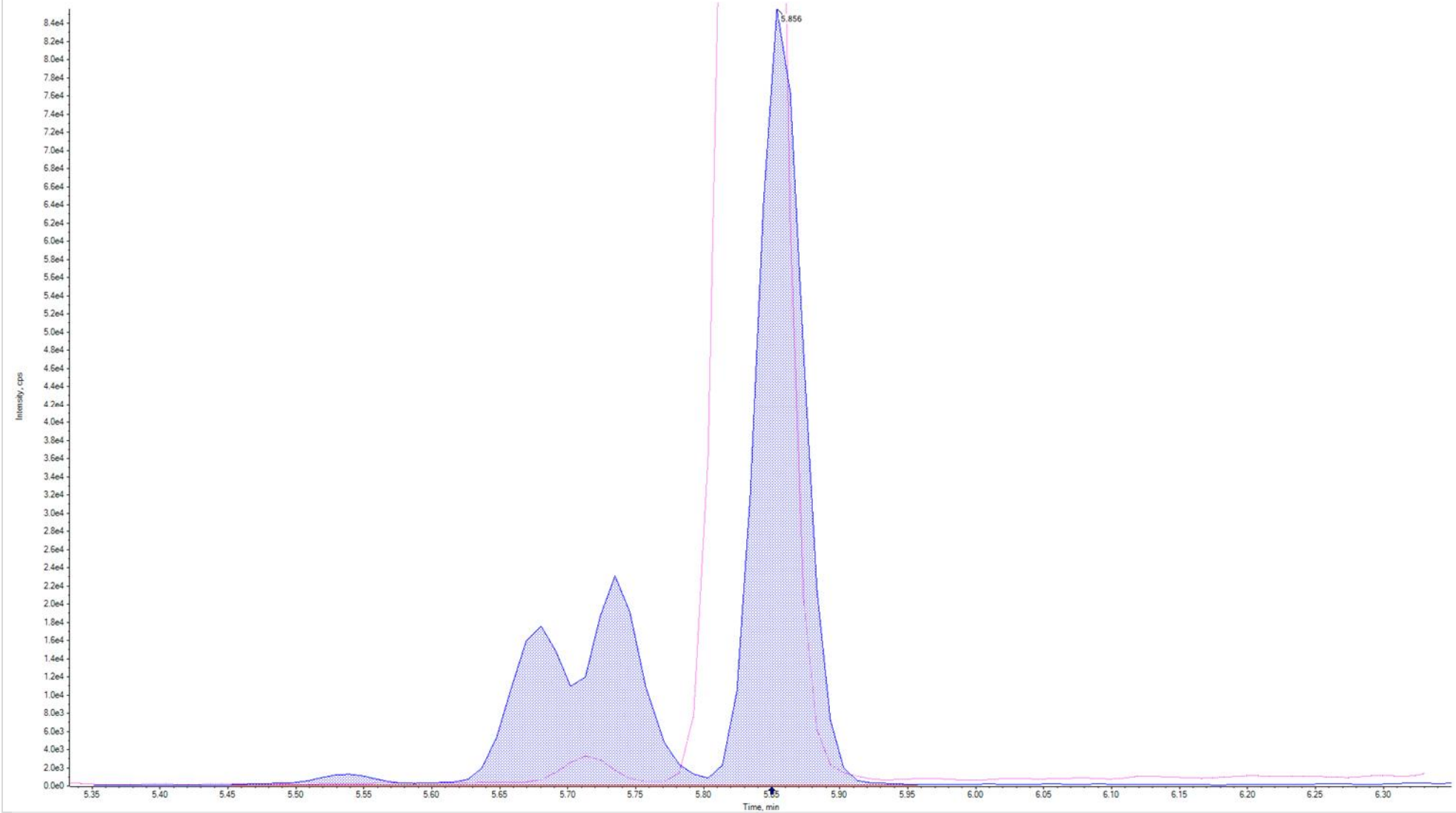
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

NEtFOSAA_2
Sample: WG2011107-2 S/N:41.1 Points Across peak:37



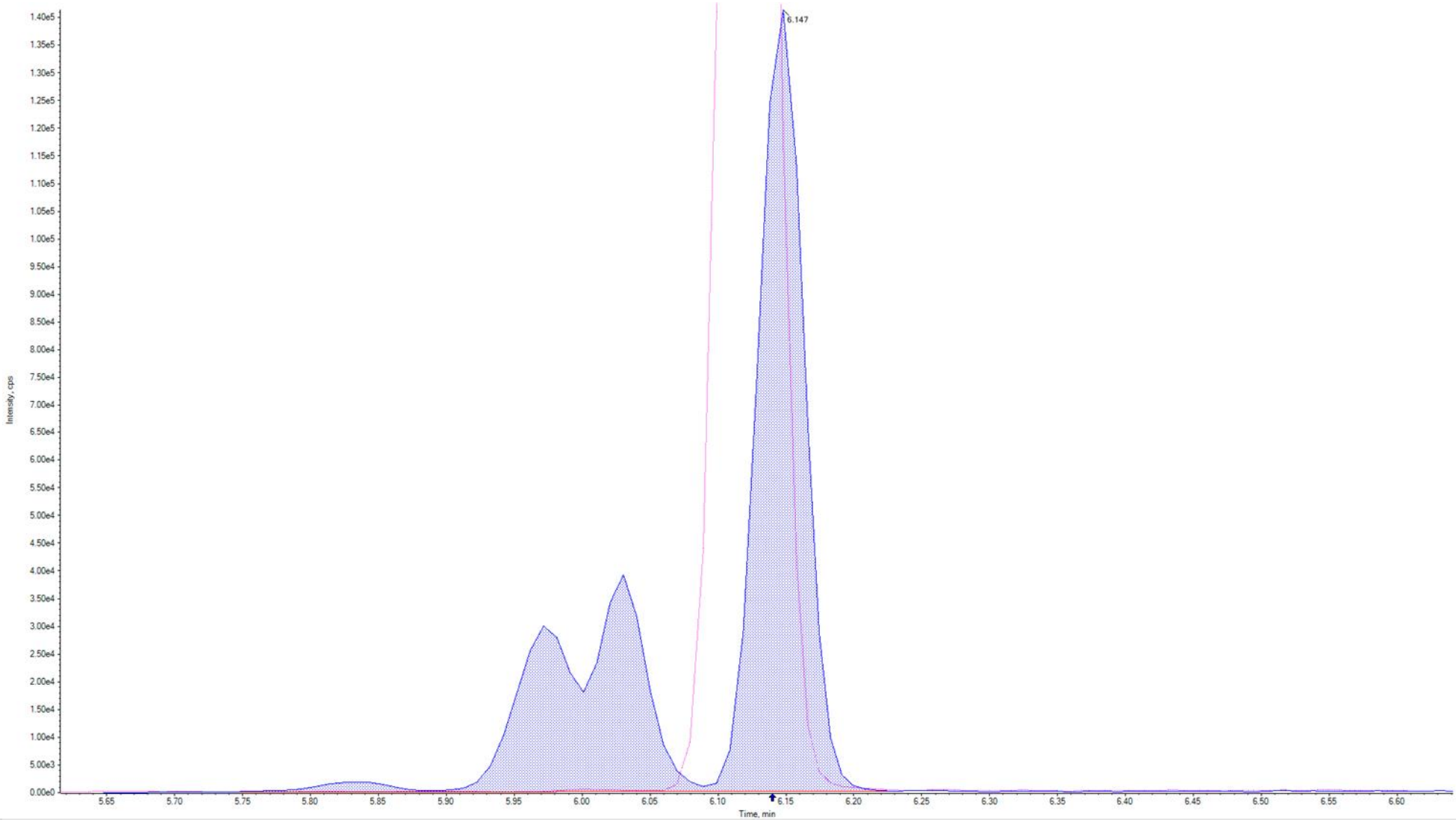
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

NMeFOSE
Sample: WG2011107-2 S/N:209.8 Points Across peak:53



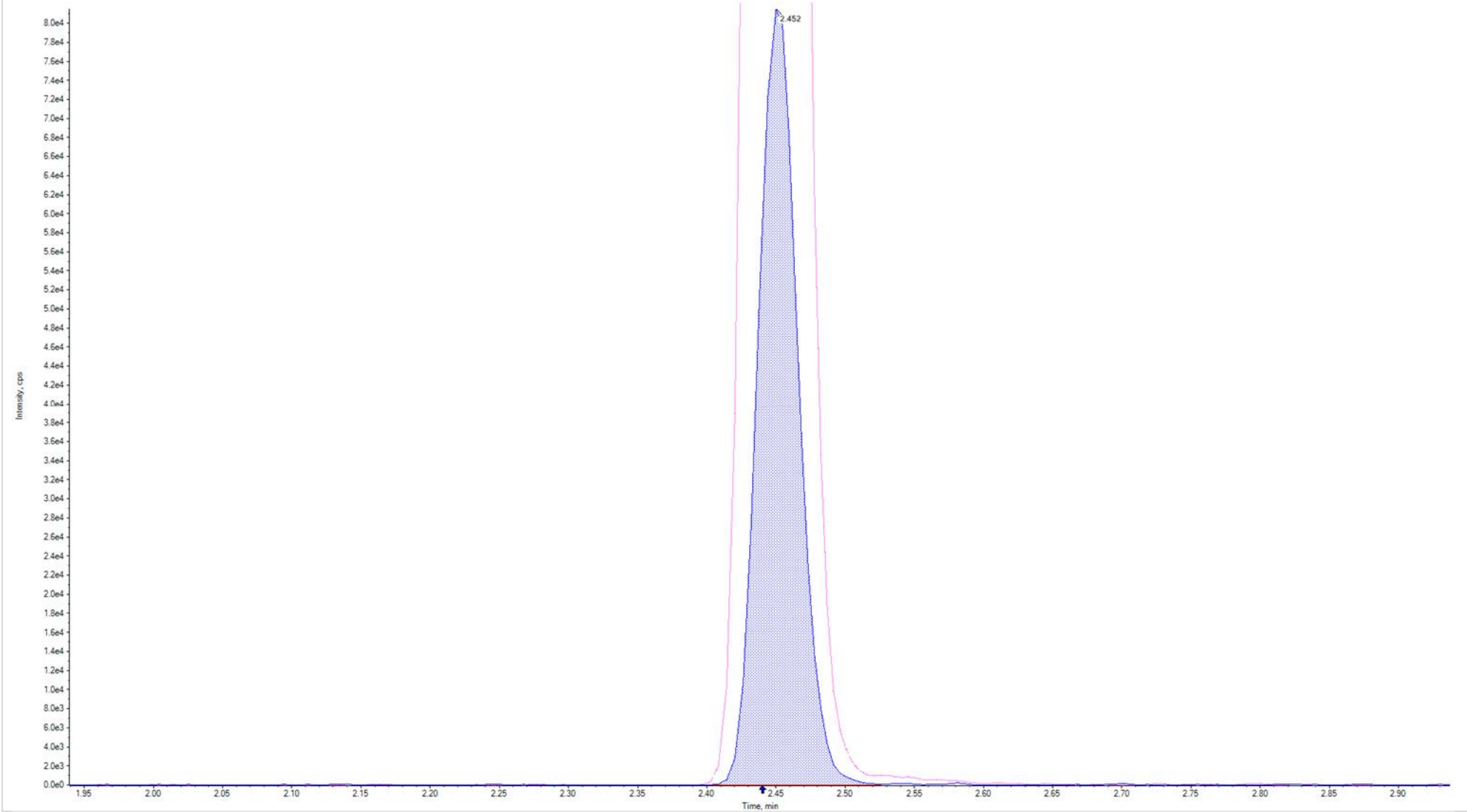
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

NEtFOSE
Sample: WG2011107-2 S/N:389.8 Points Across peak:57



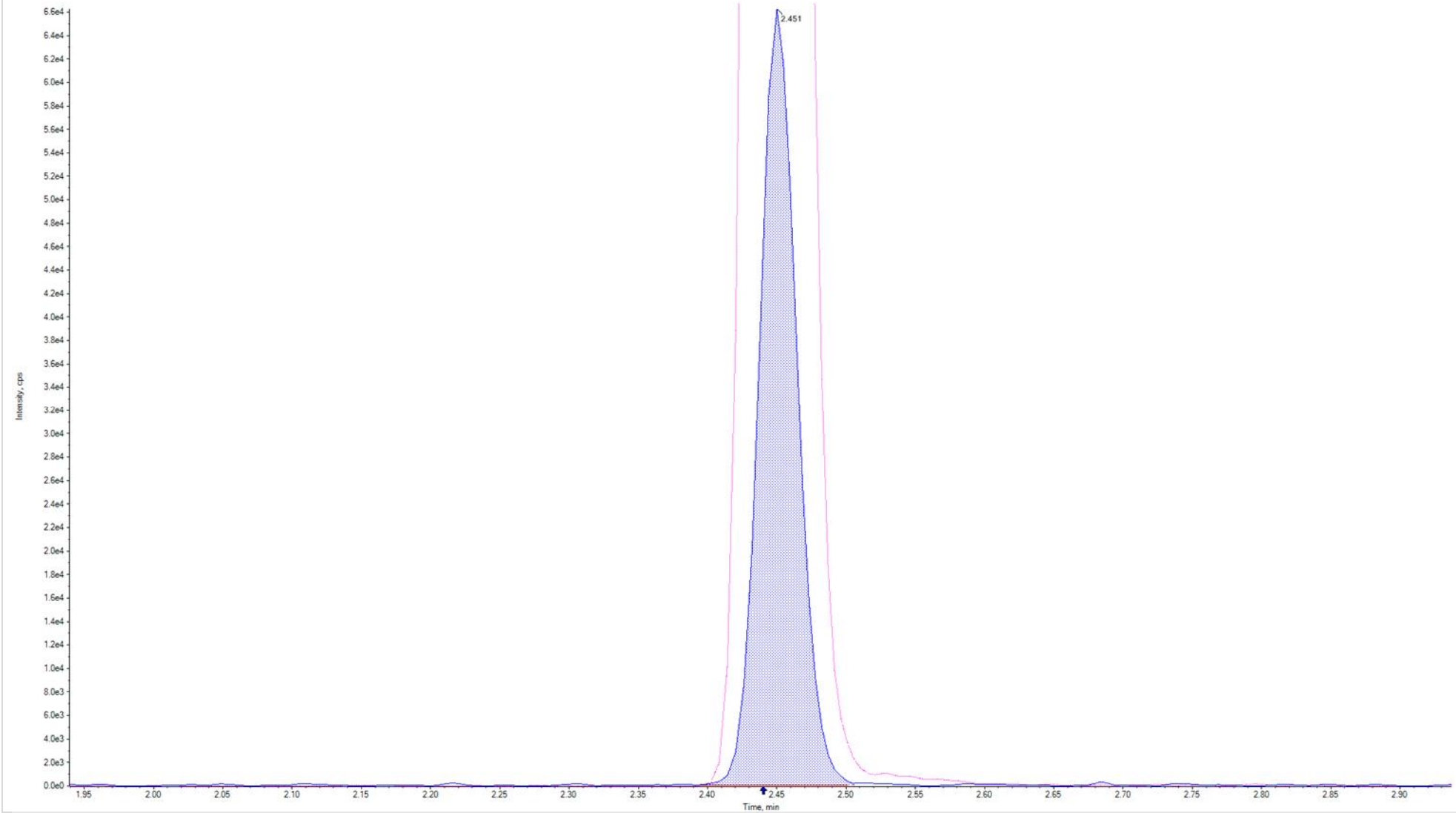
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

HFPO-DA
Sample: WG2011107-2 S/N:1838.2 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

HFPO-DA_2
Sample: WG2011107-2 S/N:1493.5 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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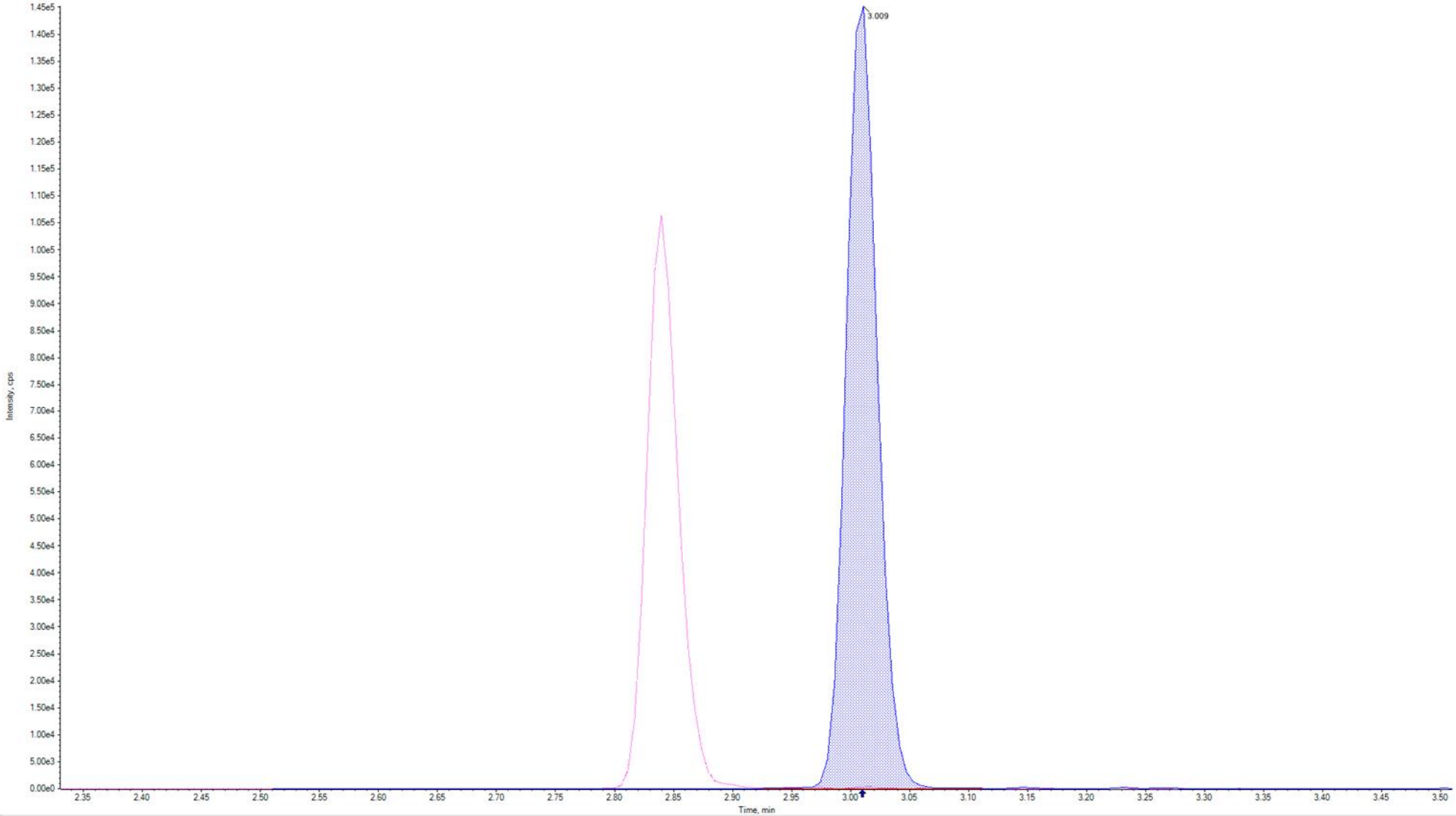
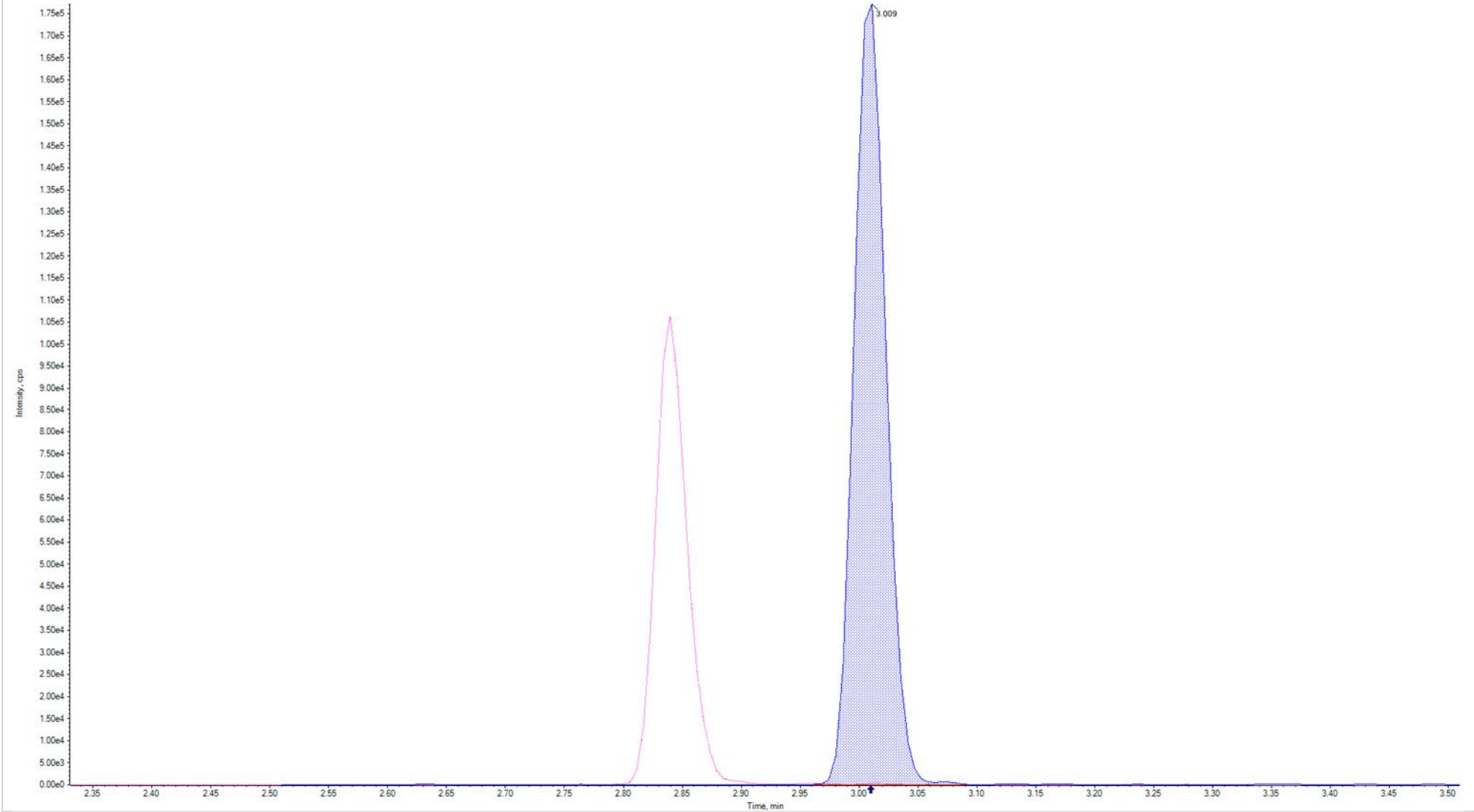
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

ADONA
Sample: WG2011107-2 S/N:2911.7 Points Across peak:37



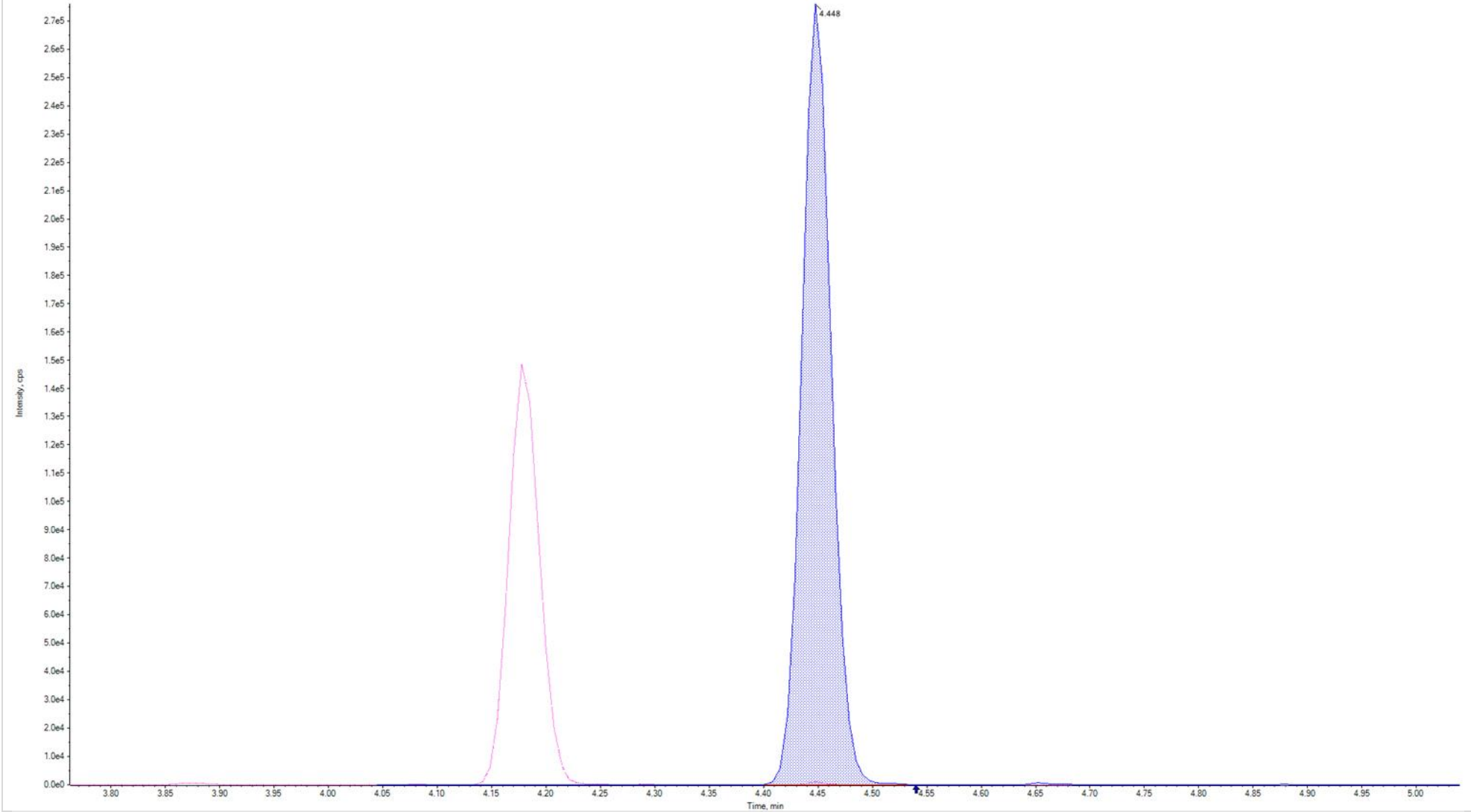
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

ADONA_2
Sample: WG2011107-2 S/N:3464.9 Points Across peak:29



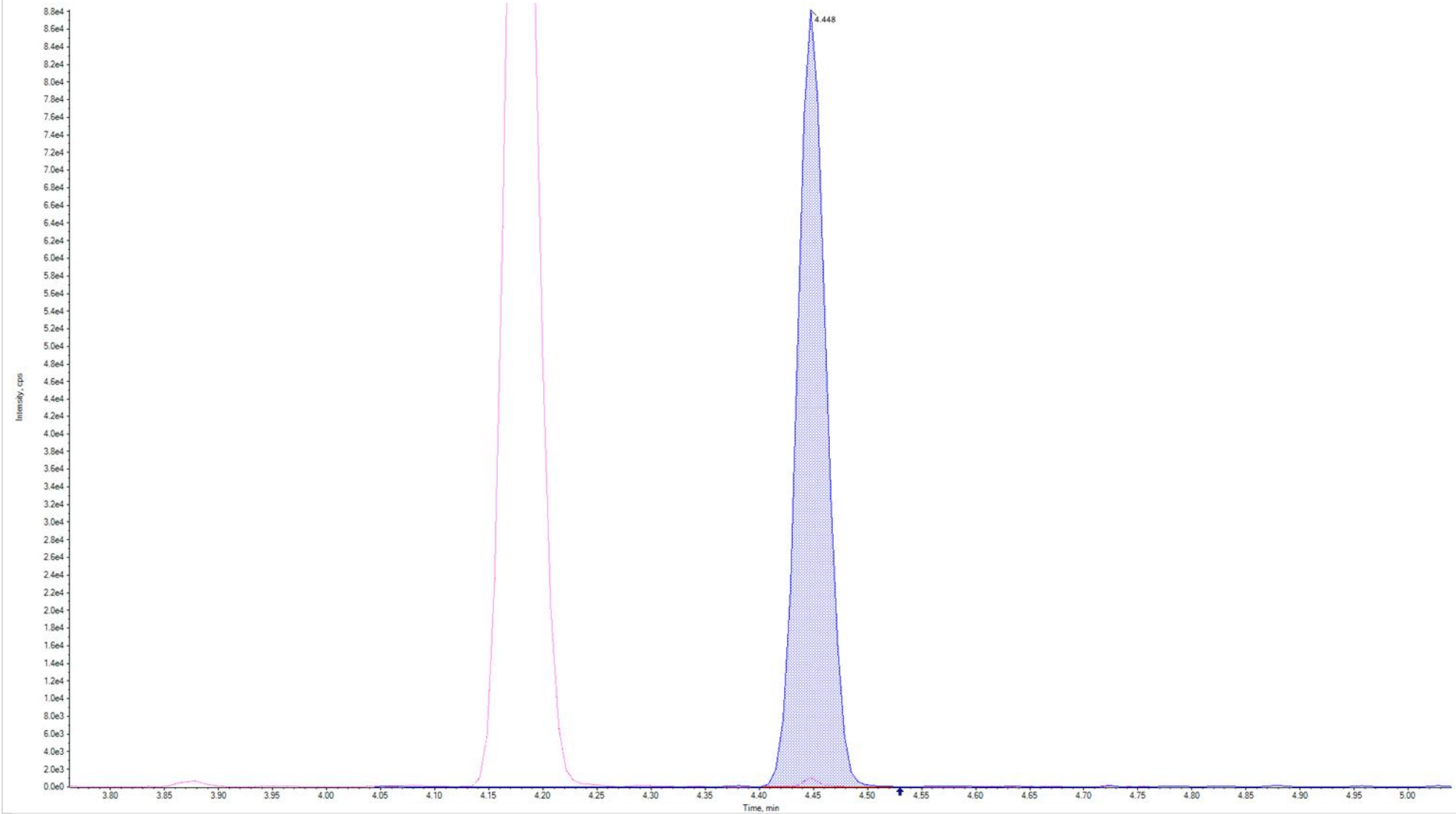
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

9Cl-PF3ONS
Sample: WG2011107-2 S/N:4987.7 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

9Cl-PF3ONS_2
Sample: WG2011107-2 S/N:1989.2 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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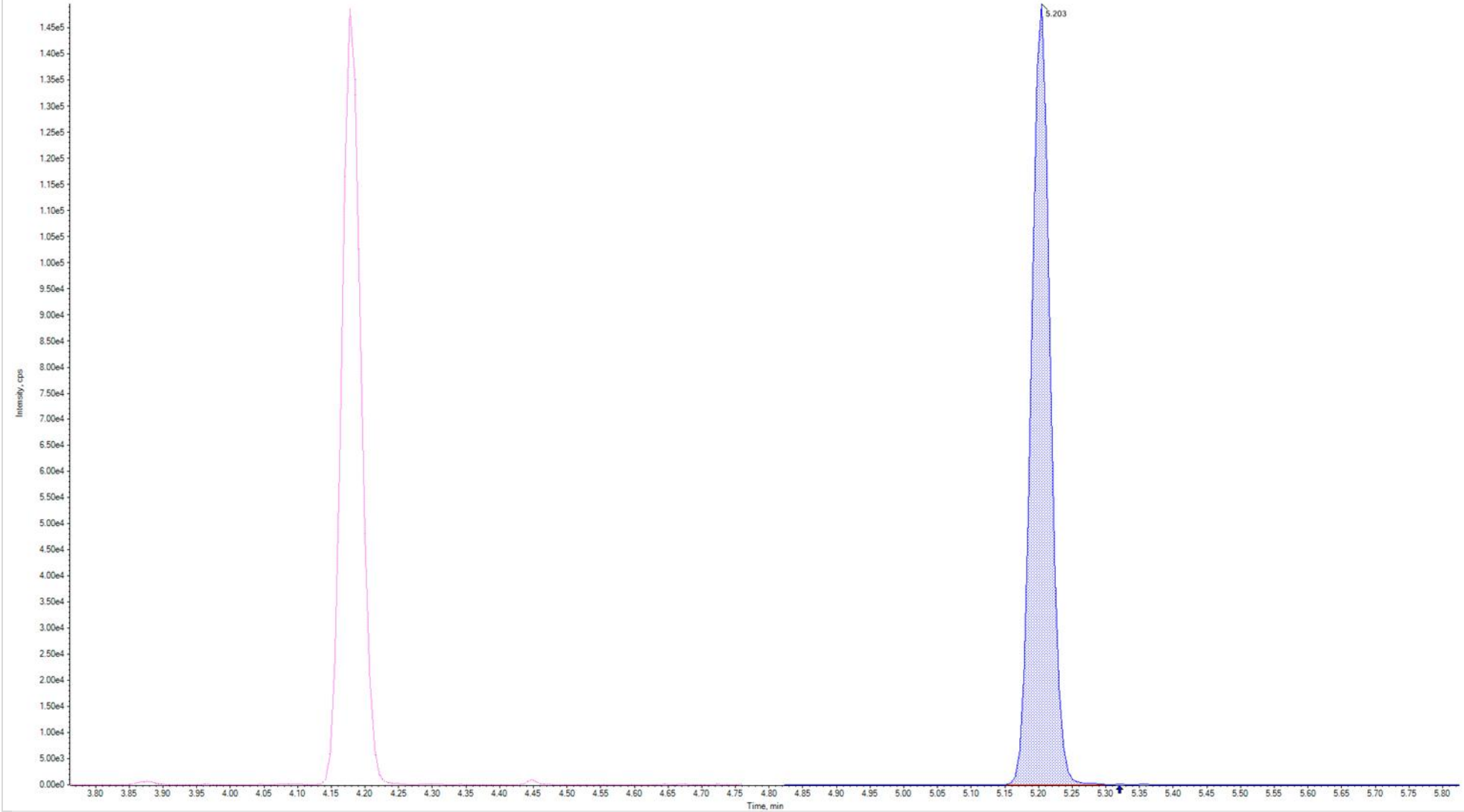
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

11Cl-PF3OUdS
Sample: WG2011107-2 S/N:7124.2 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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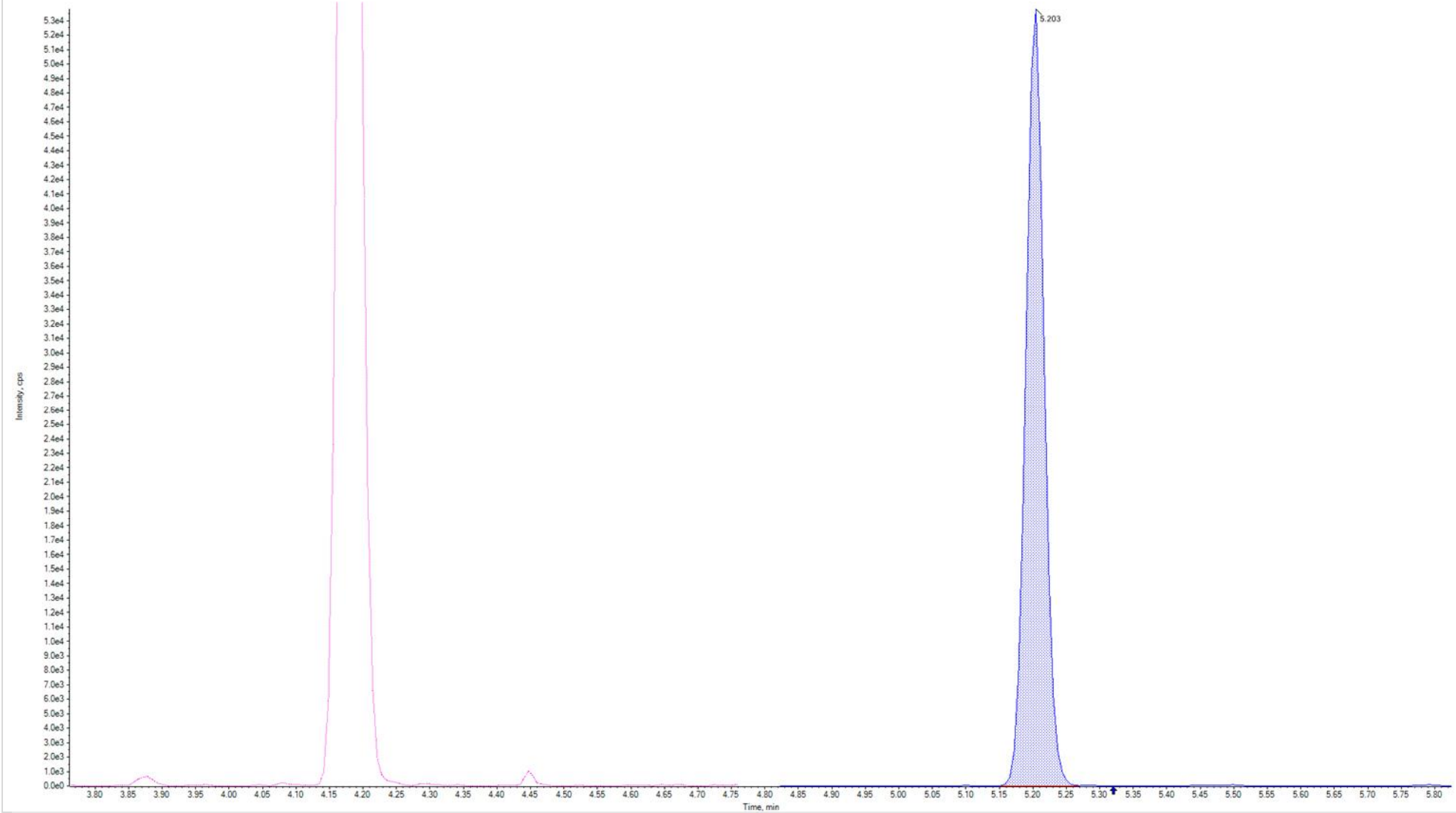
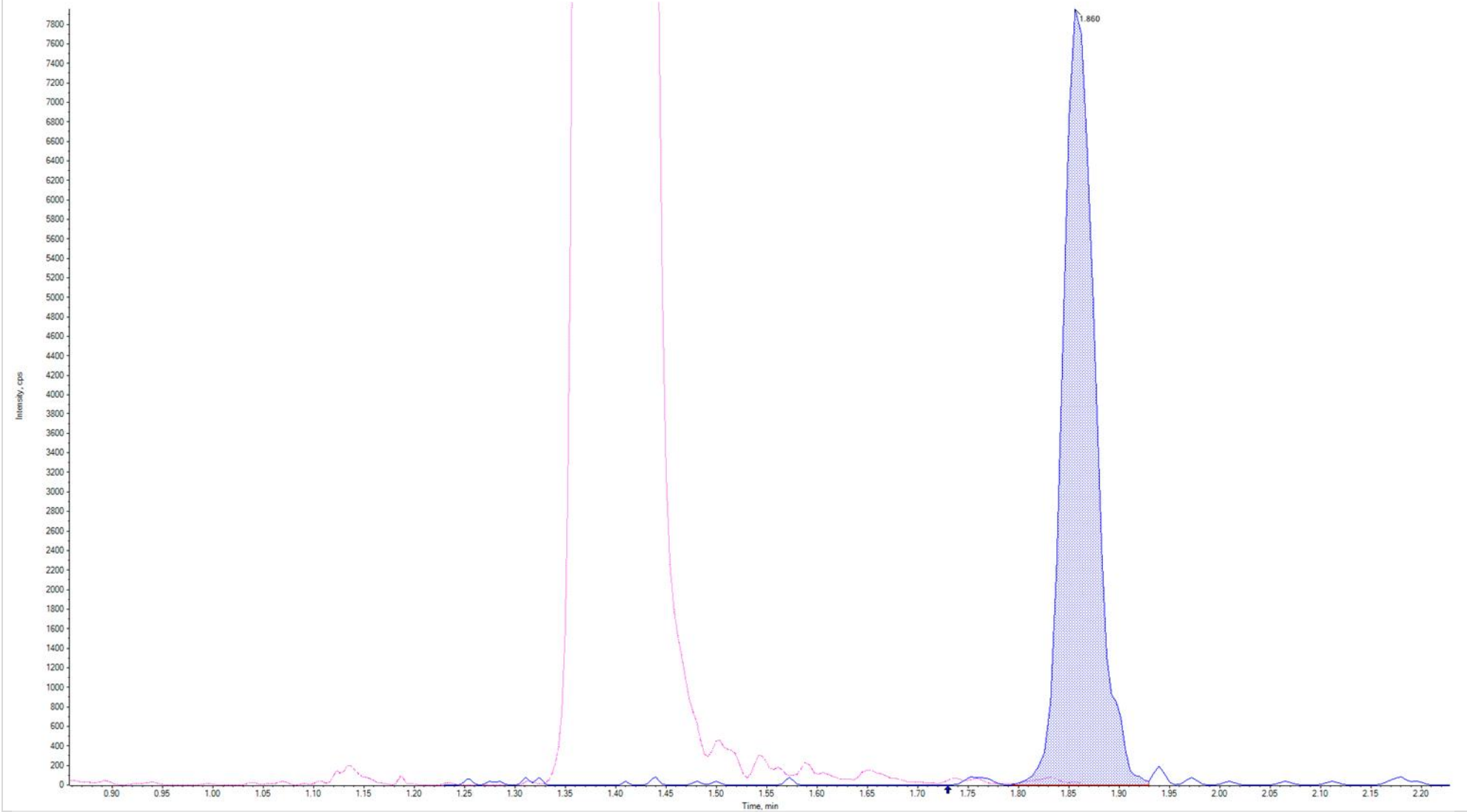
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

11Cl-PF3OUdS_2
Sample: WG2011107-2 S/N:2562.4 Points Across peak:21



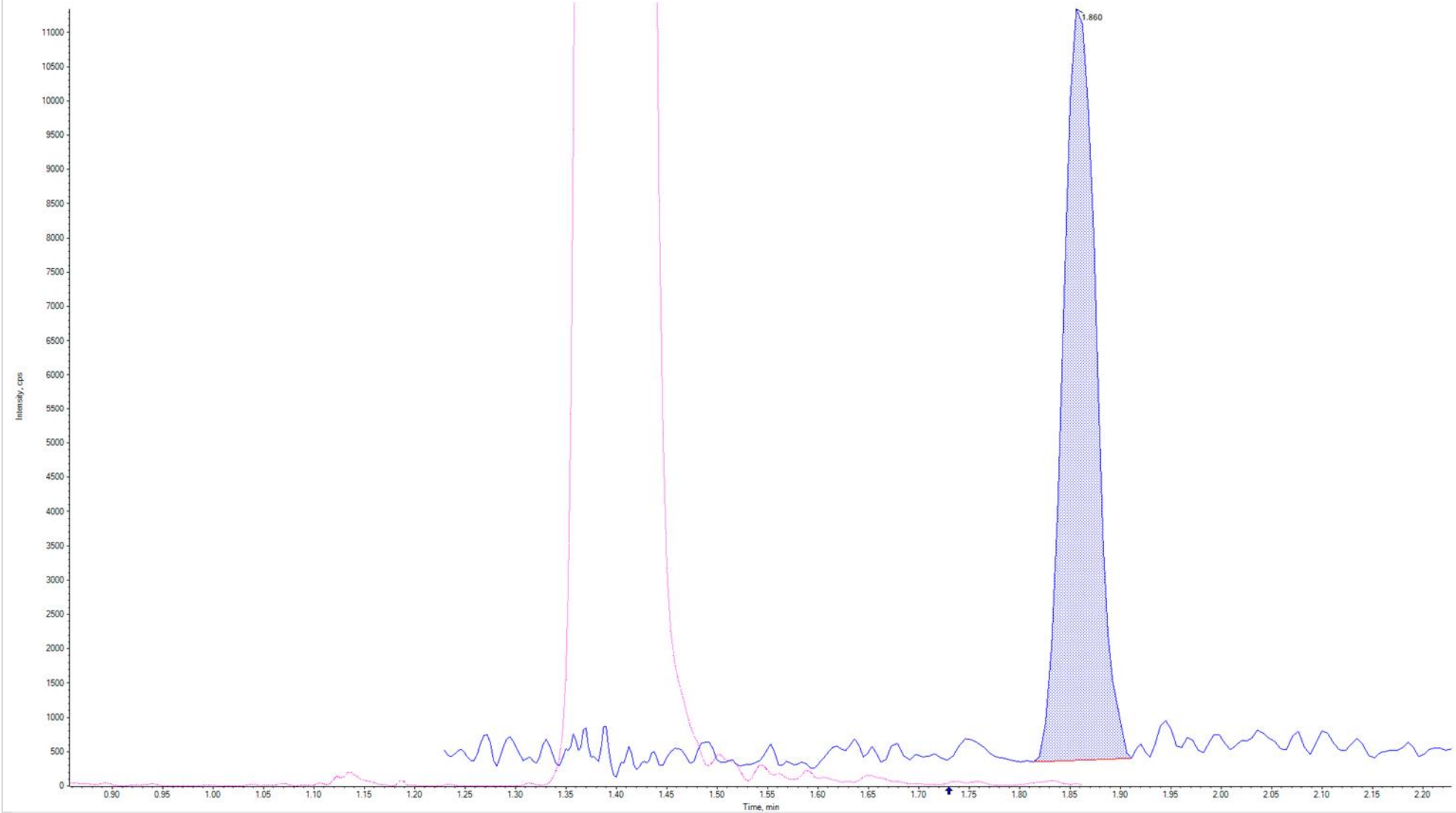
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

3:3FTCA
Sample: WG2011107-2 S/N:199.4 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

3:3FTCA_2
Sample: WG2011107-2 S/N:197.2 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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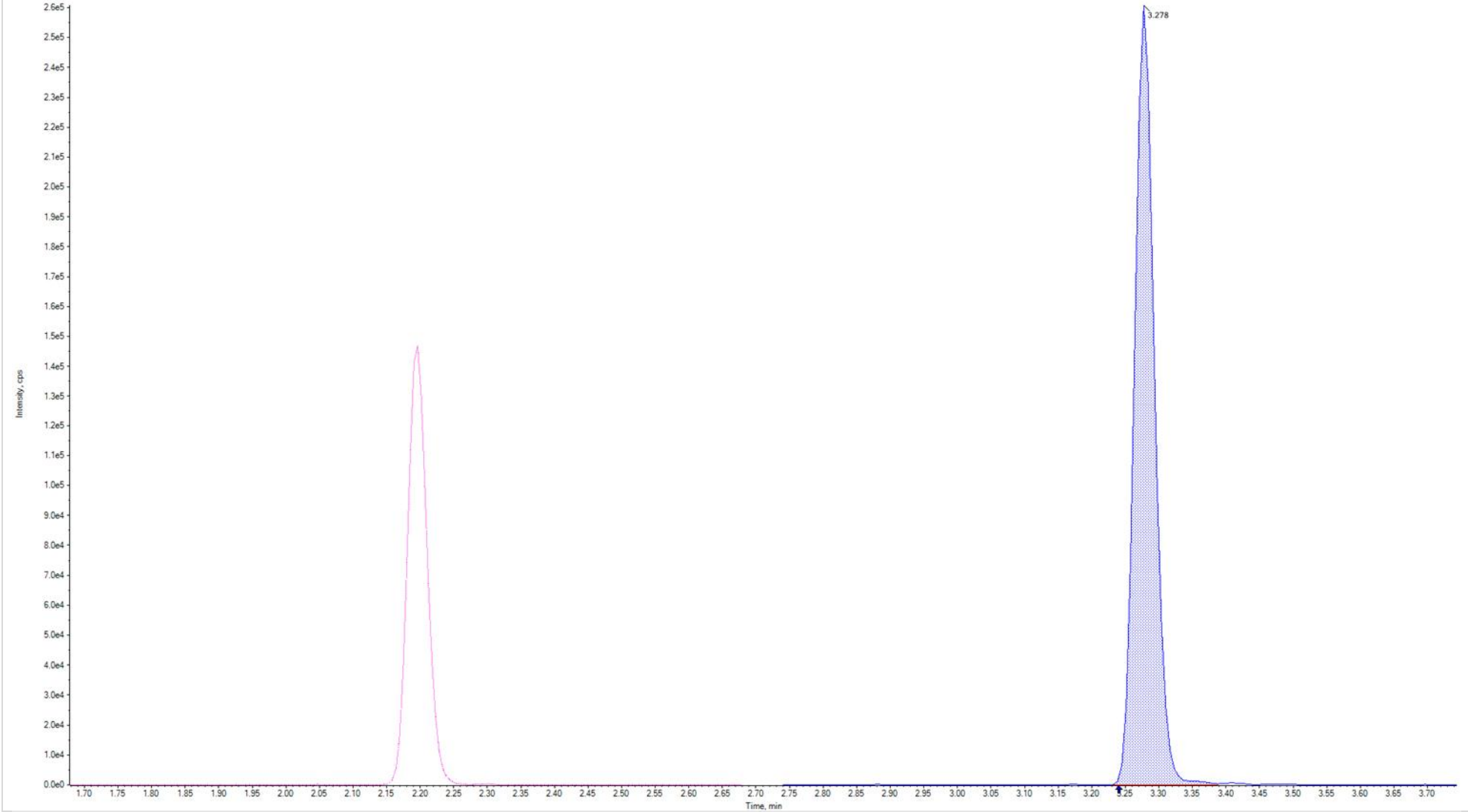
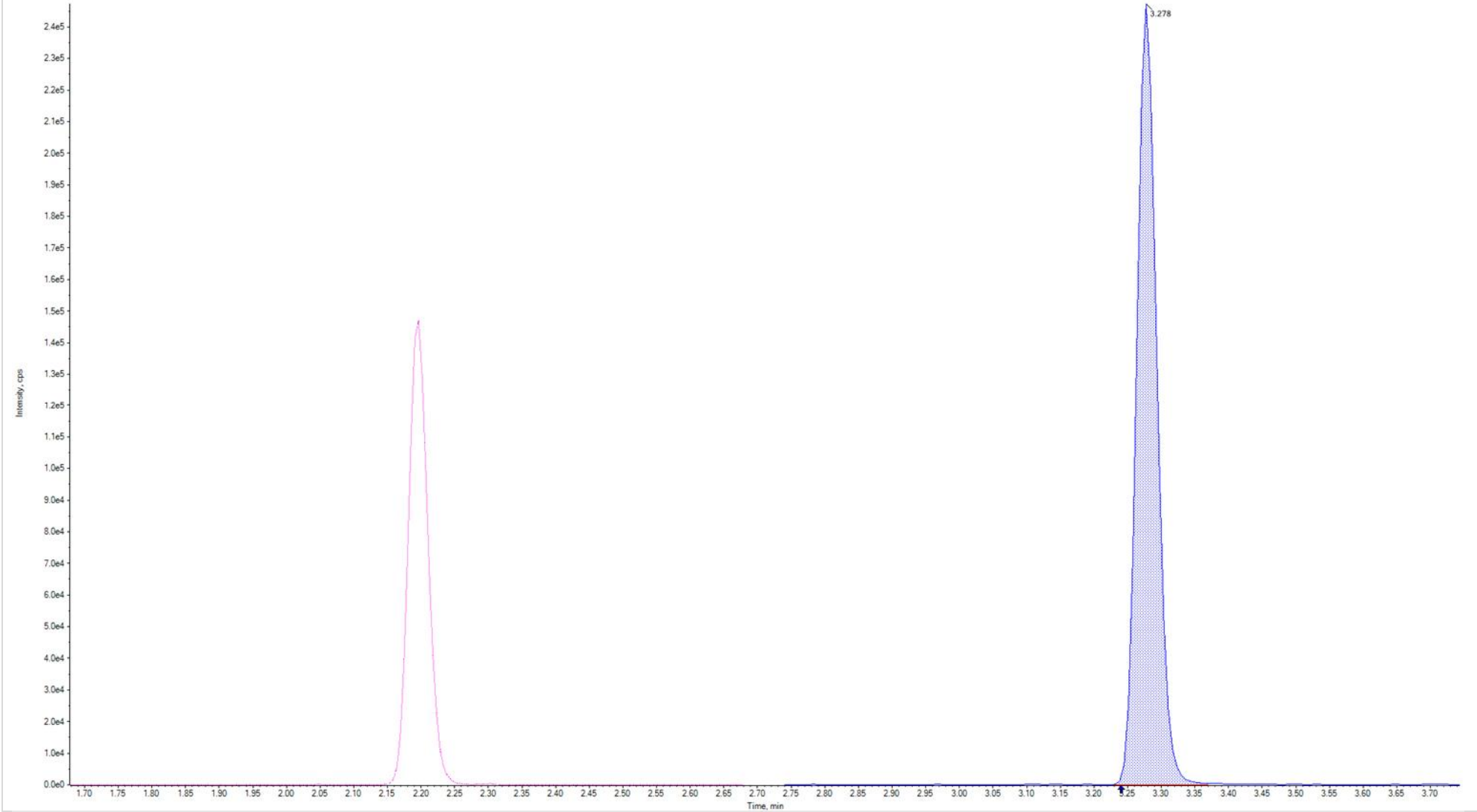
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

5:3FTCA
Sample: WG2011107-2 S/N:5881.8 Points Across peak:27



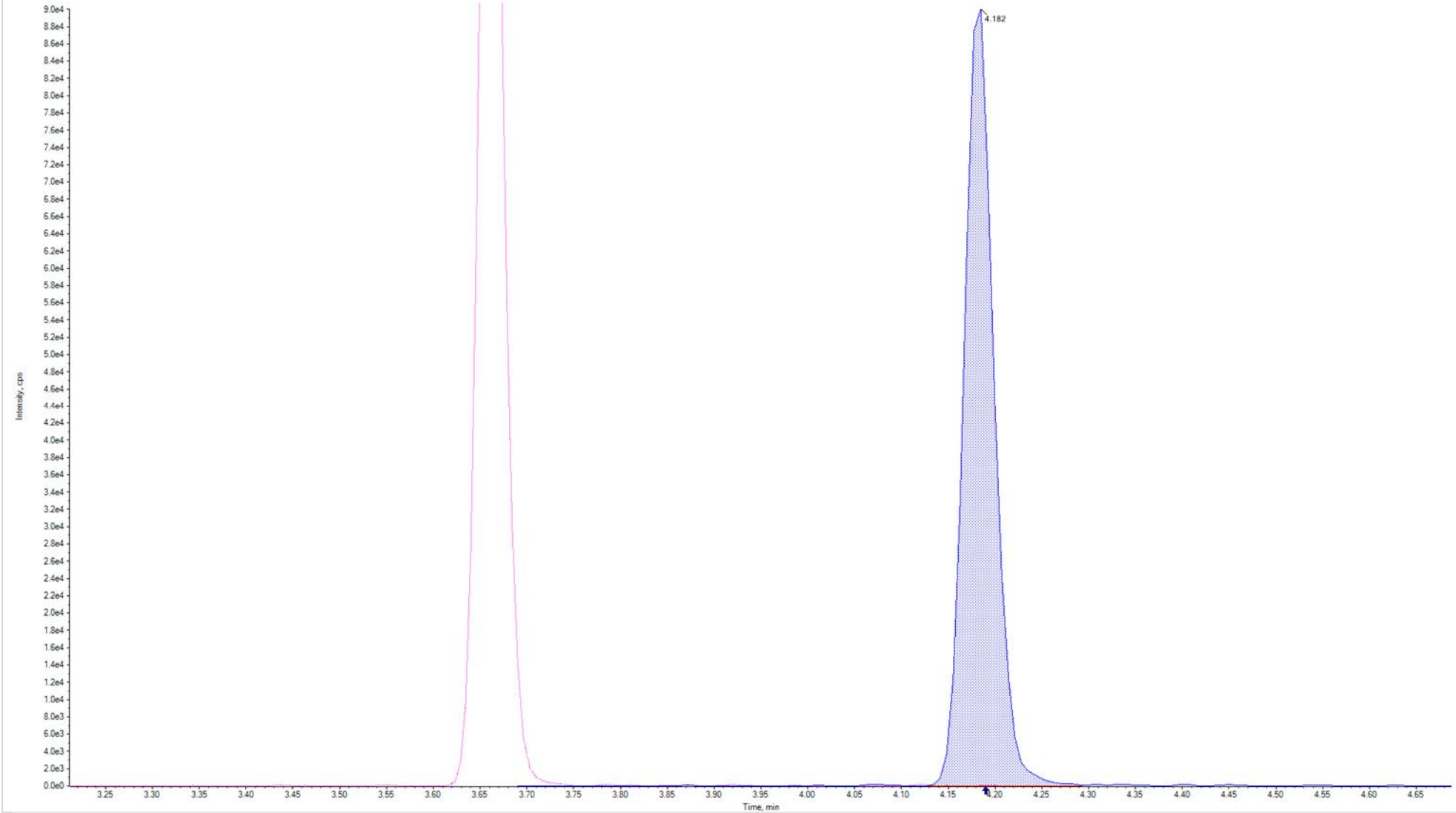
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

5:3FTCA_2
Sample: WG2011107-2 S/N:5576.5 Points Across peak:23



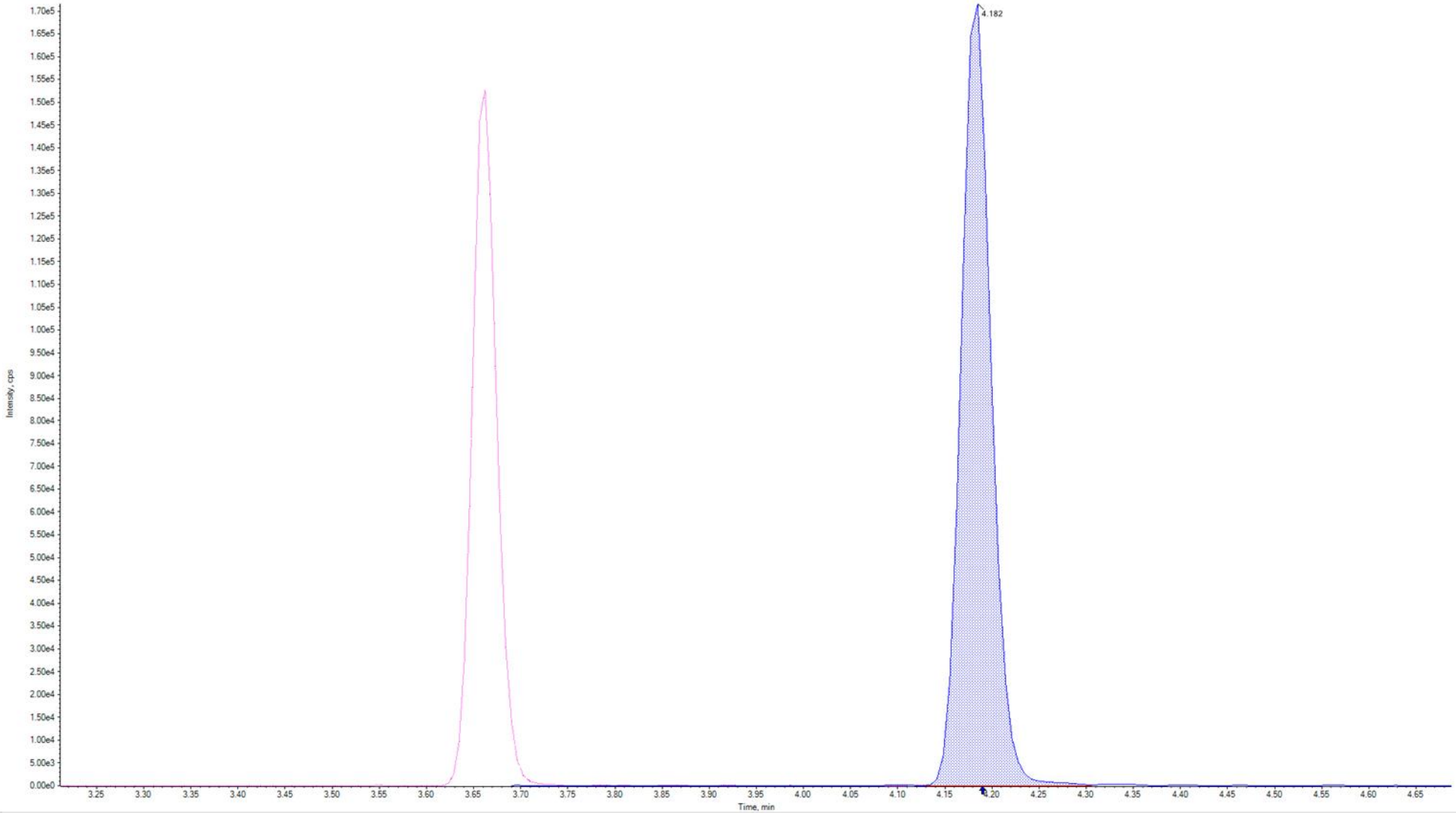
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

7:3FTCA
Sample: WG2011107-2 S/N:2482.3 Points Across peak:26



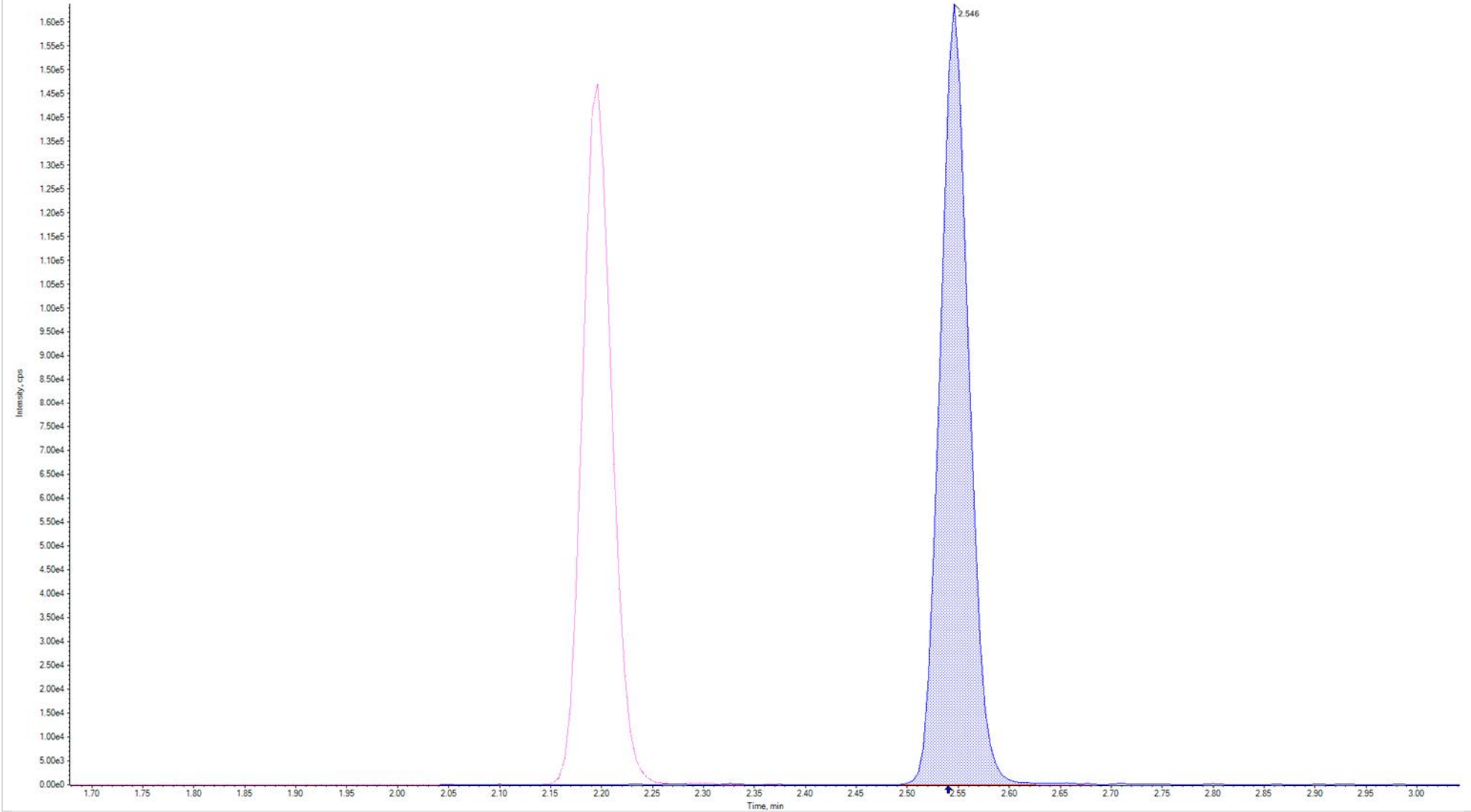
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

7:3FTCA_2
Sample: WG2011107-2 S/N:3305.1 Points Across peak:27



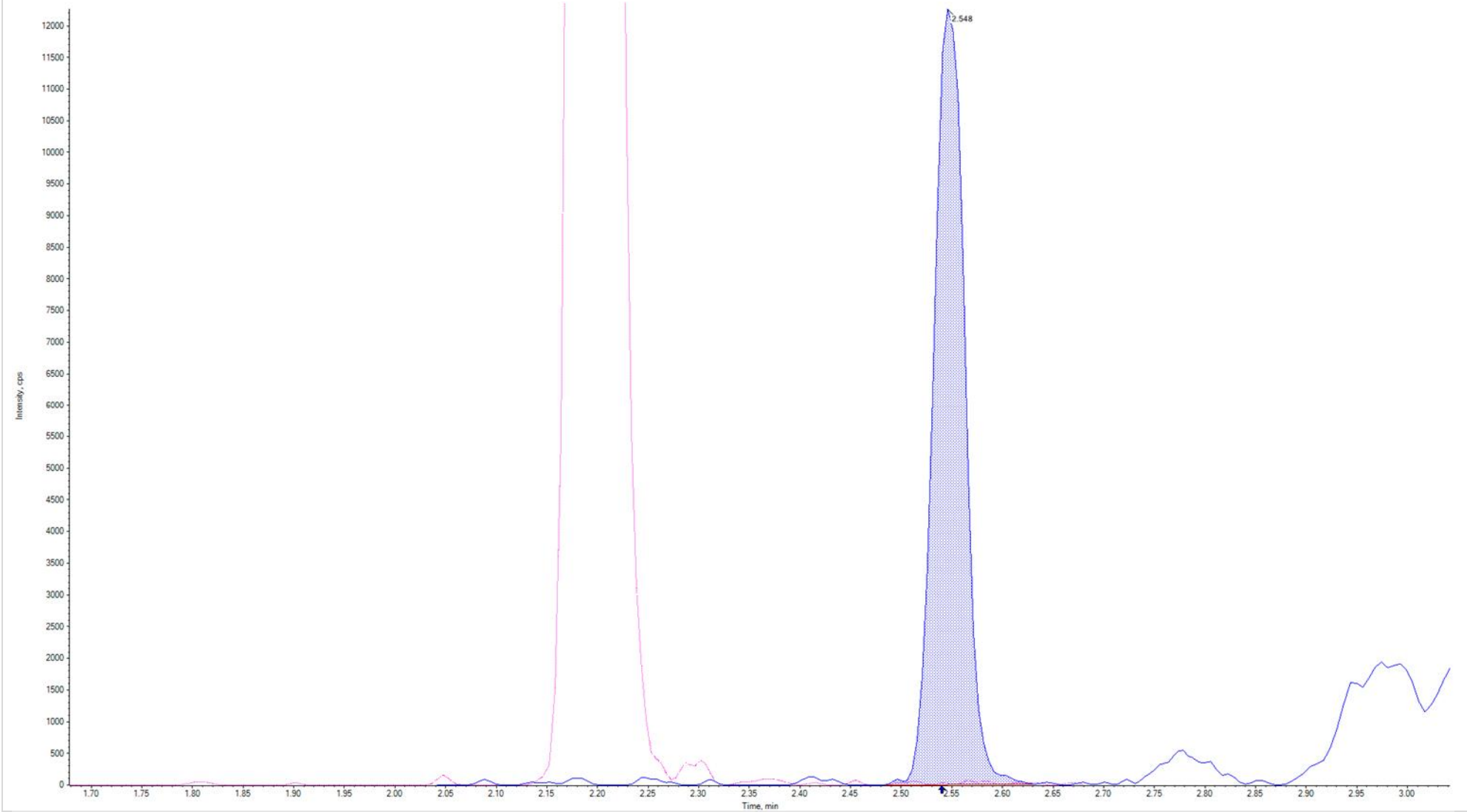
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFEESA
Sample: WG2011107-2 S/N:2616.5 Points Across peak:29



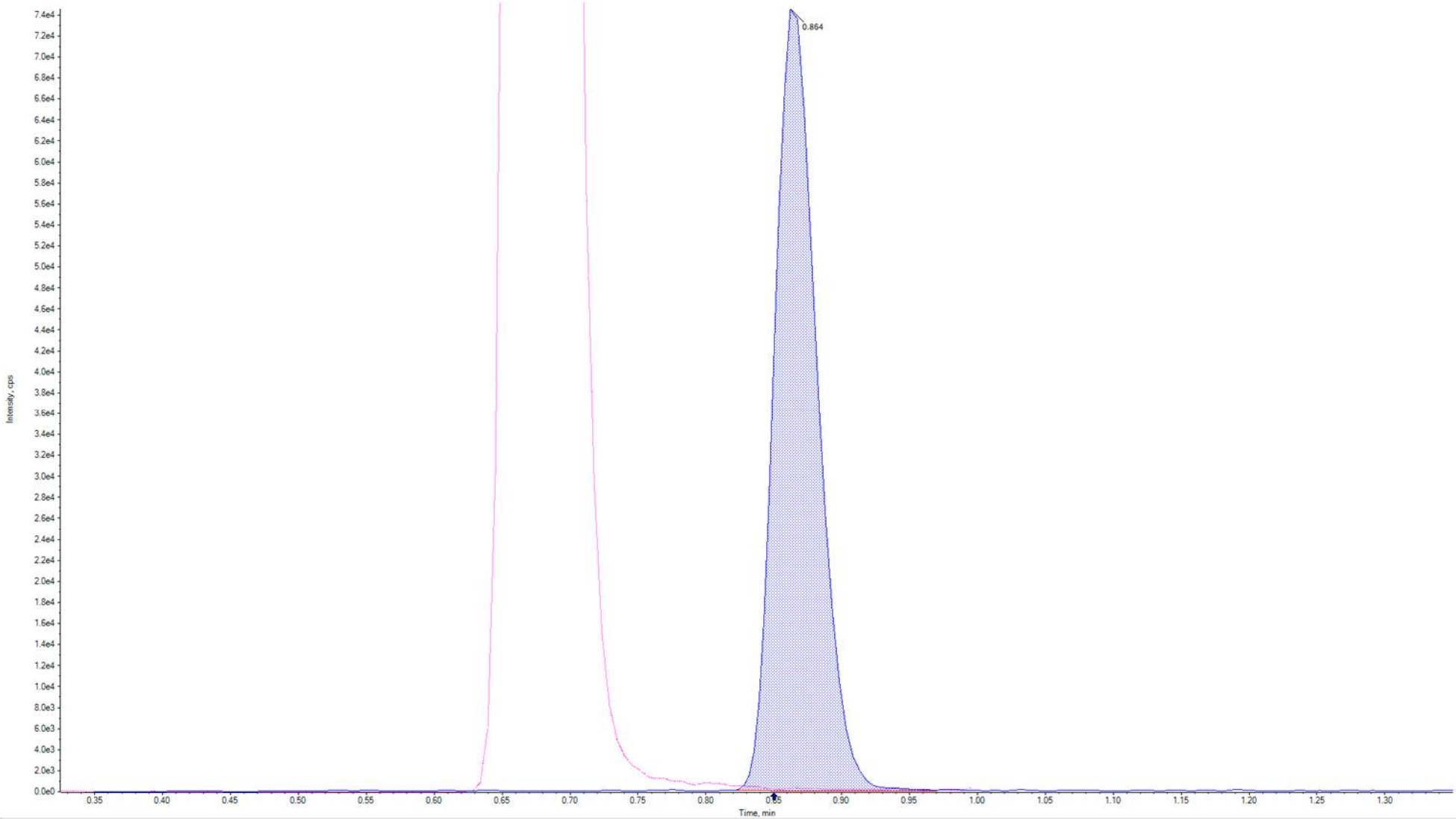
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFEESA_2
Sample: WG2011107-2 S/N:276.5 Points Across peak:31



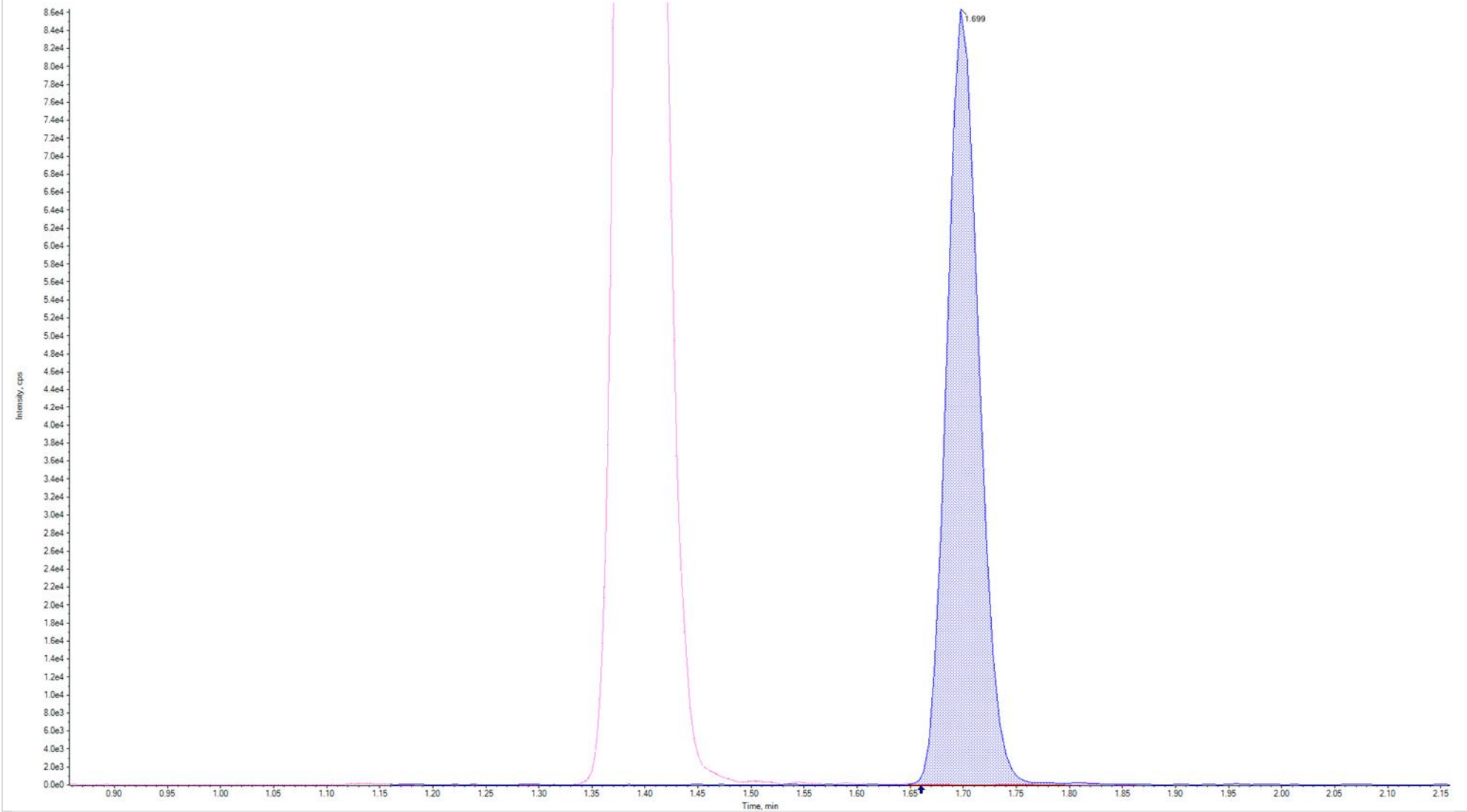
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFMPA
Sample: WG2011107-2 S/N:6409.7 Points Across peak:34



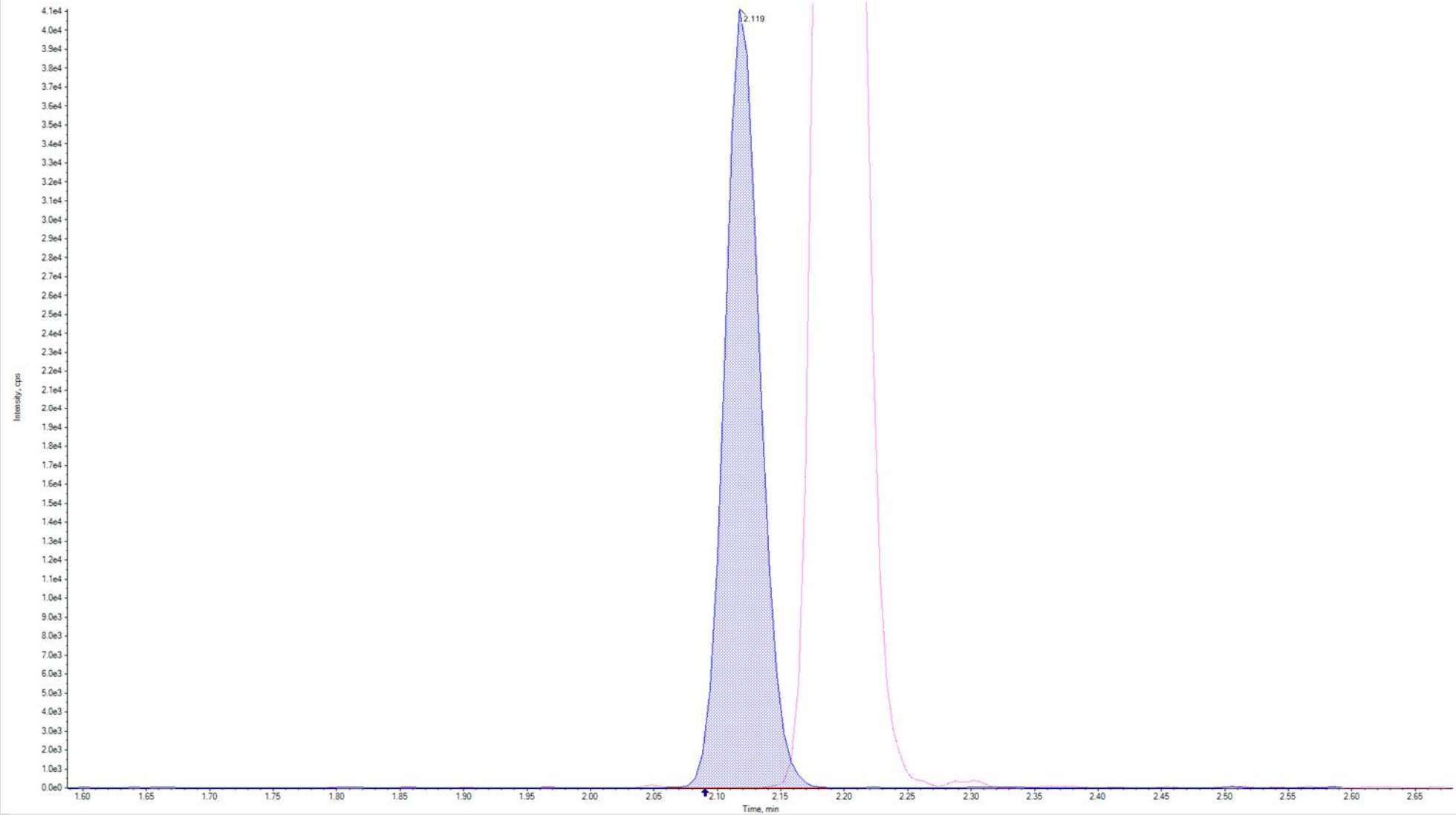
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

PFMBA
Sample: WG2011107-2 S/N:4978.5 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

NFDHA
Sample: WG2011107-2 S/N:1133.6 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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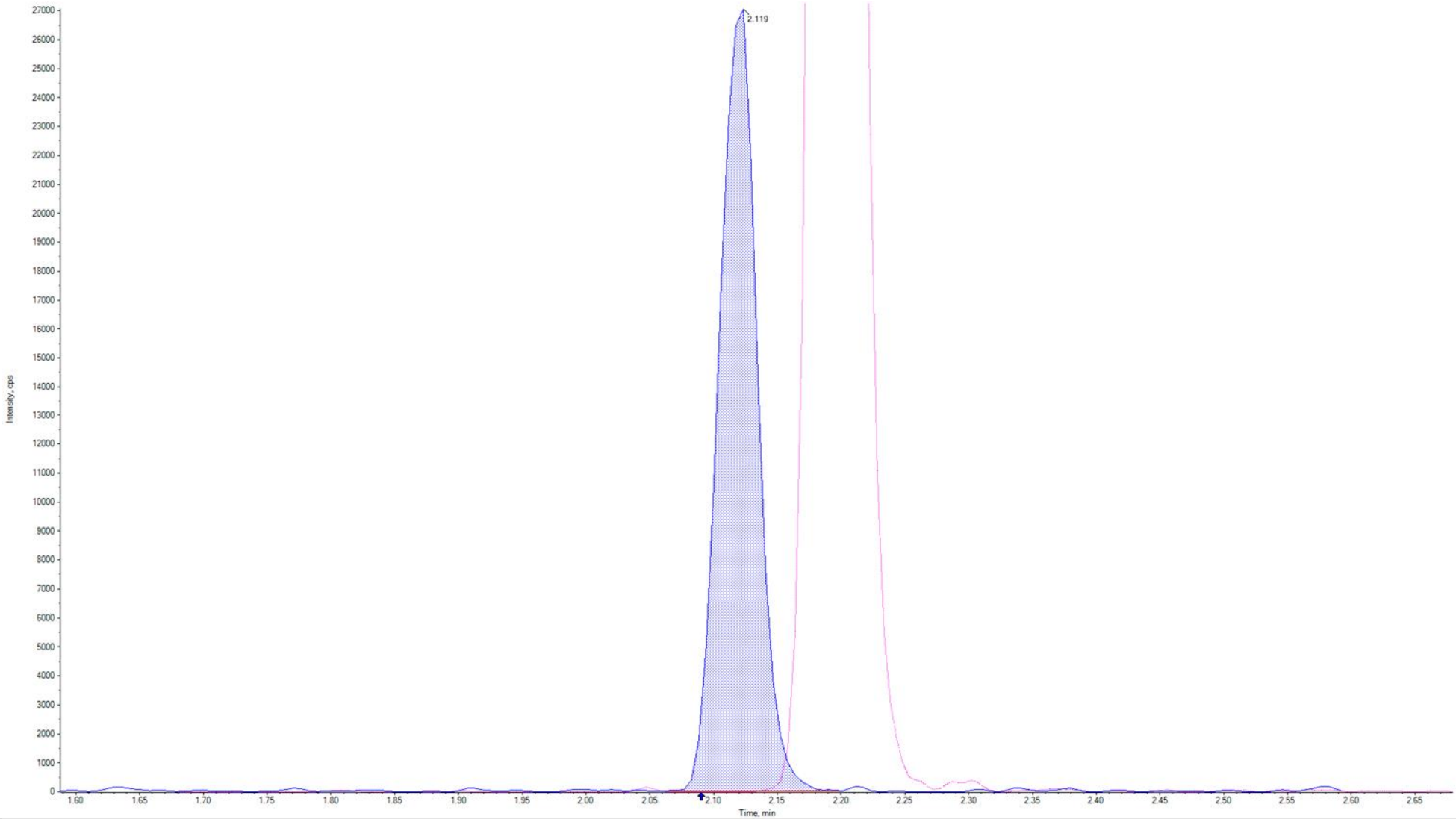
Generated: 12/19/2024 2:27:31 PM

NFDHA_2
Sample: WG2011107-2 S/N:745.2 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
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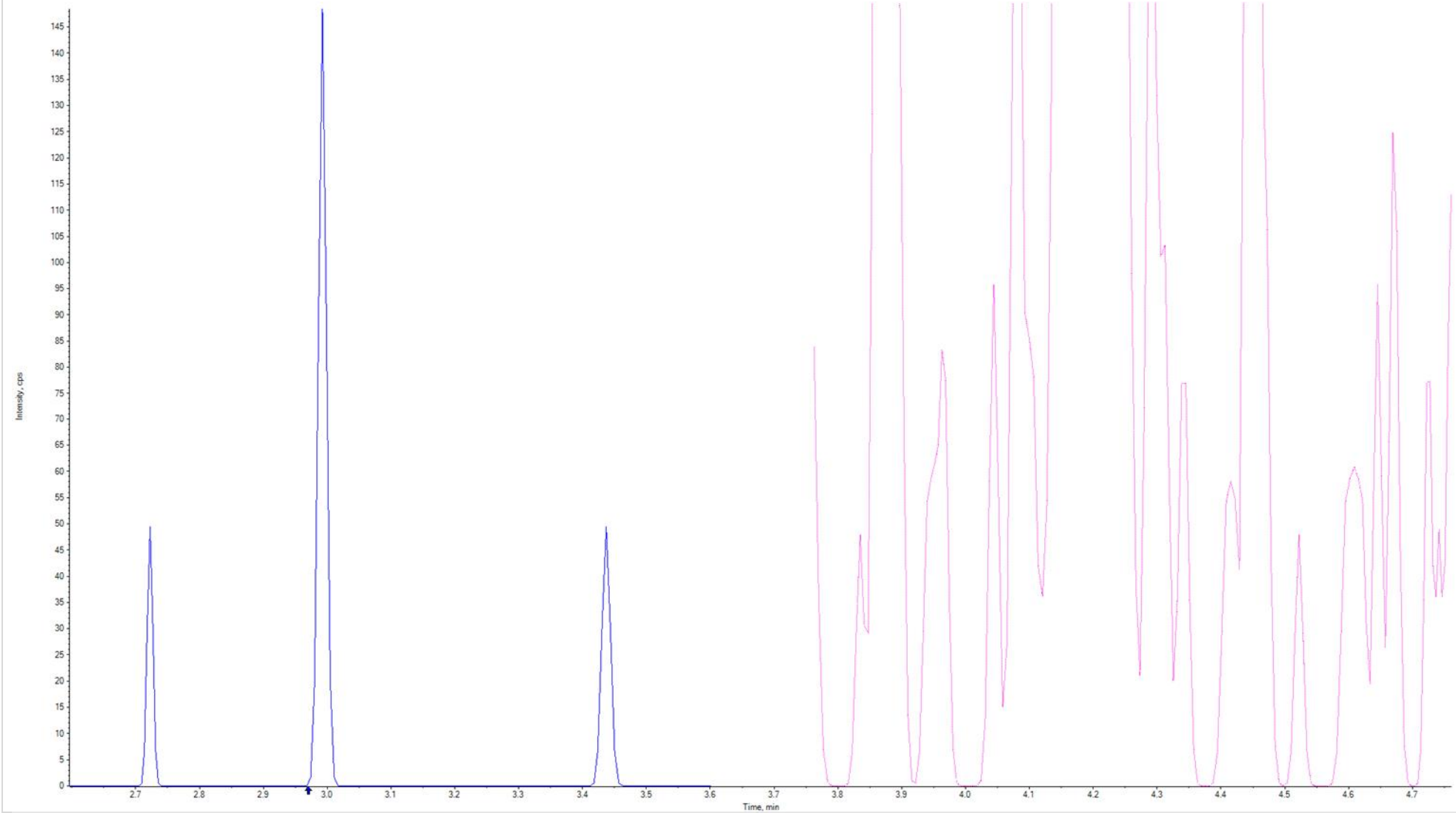
TDCA
Sample: WG2011107-2 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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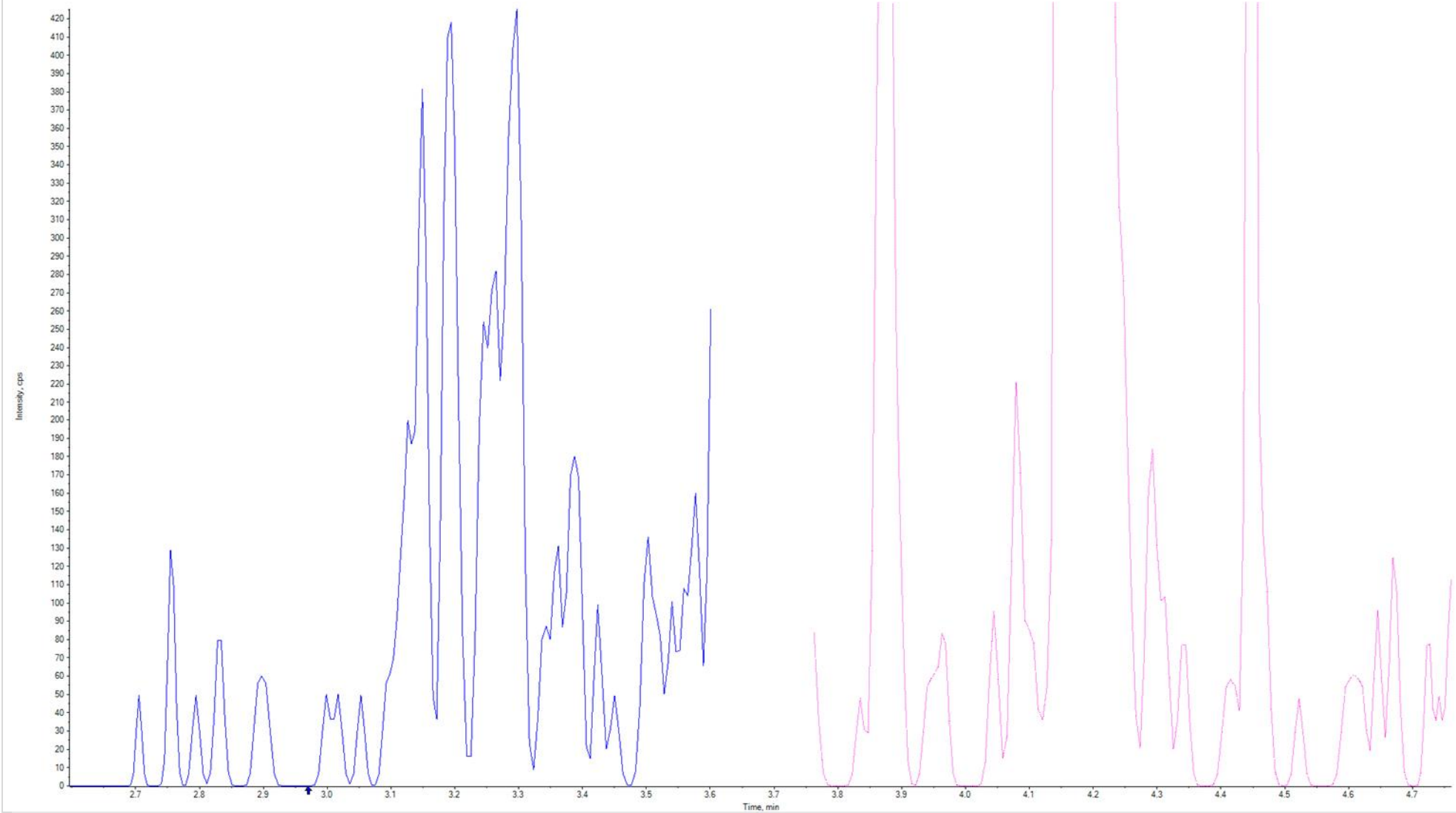
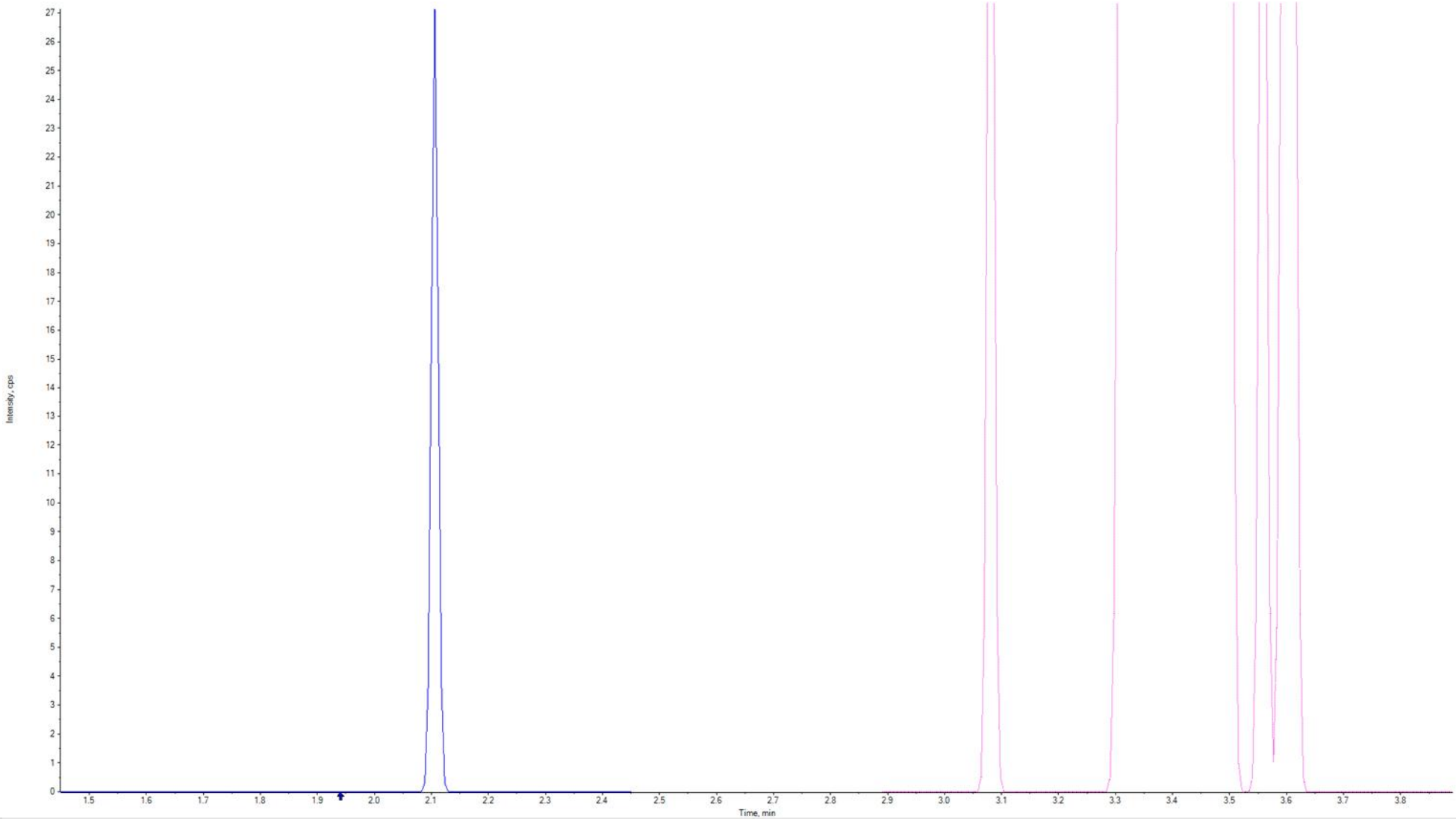
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

TDCA_2
Sample: WG2011107-2 S/N:N/A Points Across peak:N/A



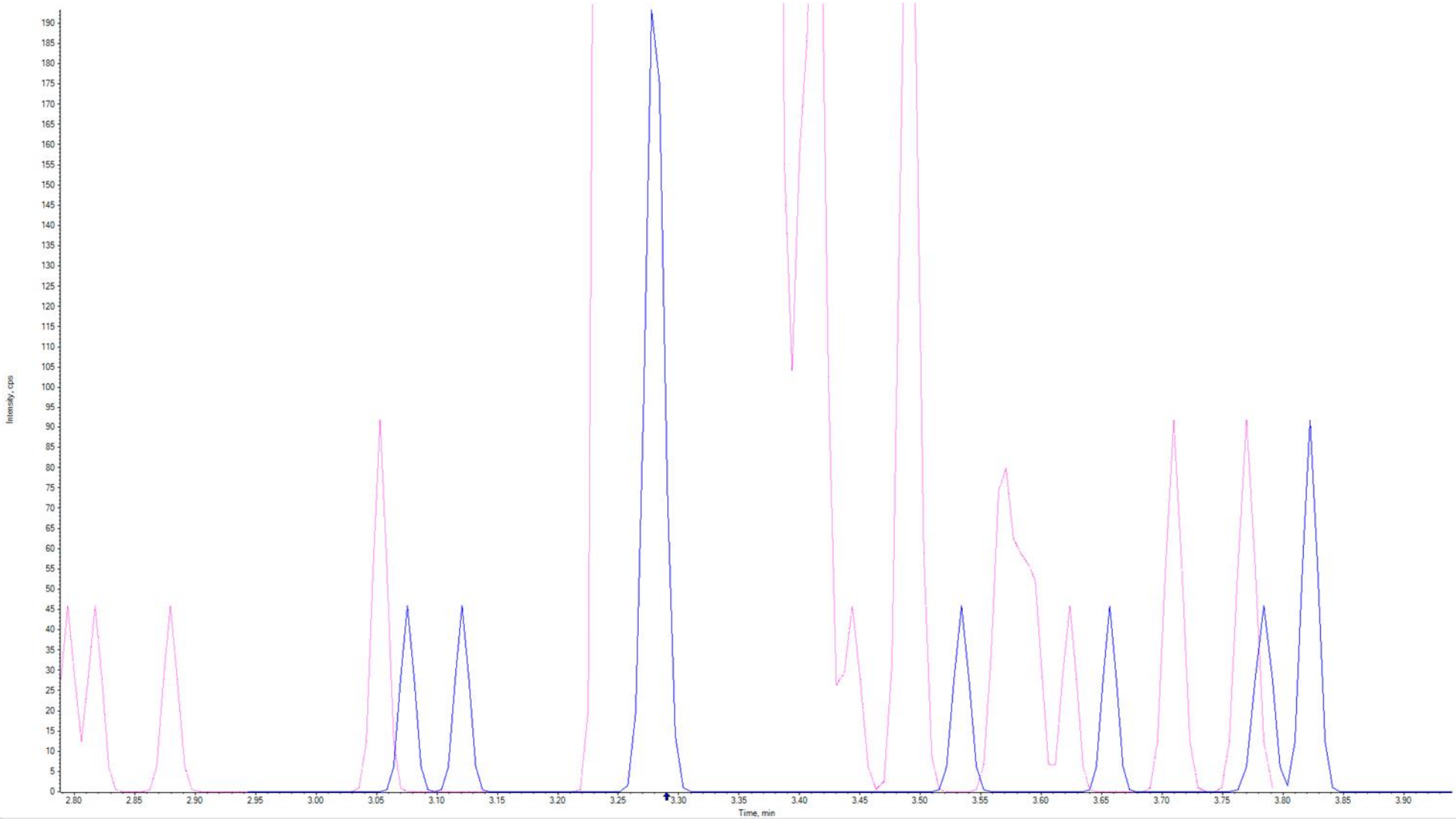
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

13C2D4-4:2FTS
Sample: WG2011107-2 S/N:N/A Points Across peak:N/A

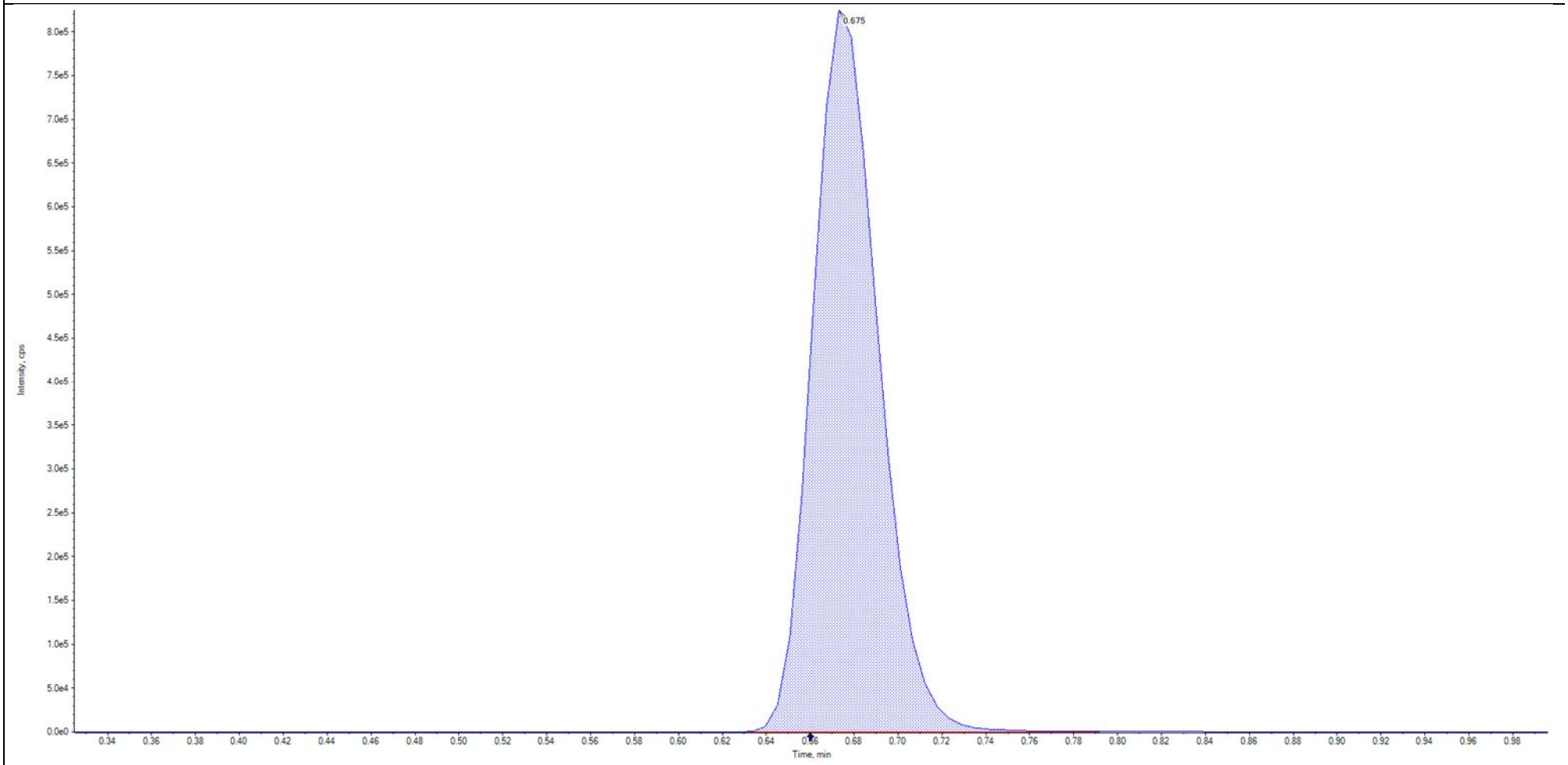


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

13C2-PFOA
Sample: WG2011107-2 S/N:N/A Points Across peak:N/A



13C4-PFBA
Sample: WG2011107-2



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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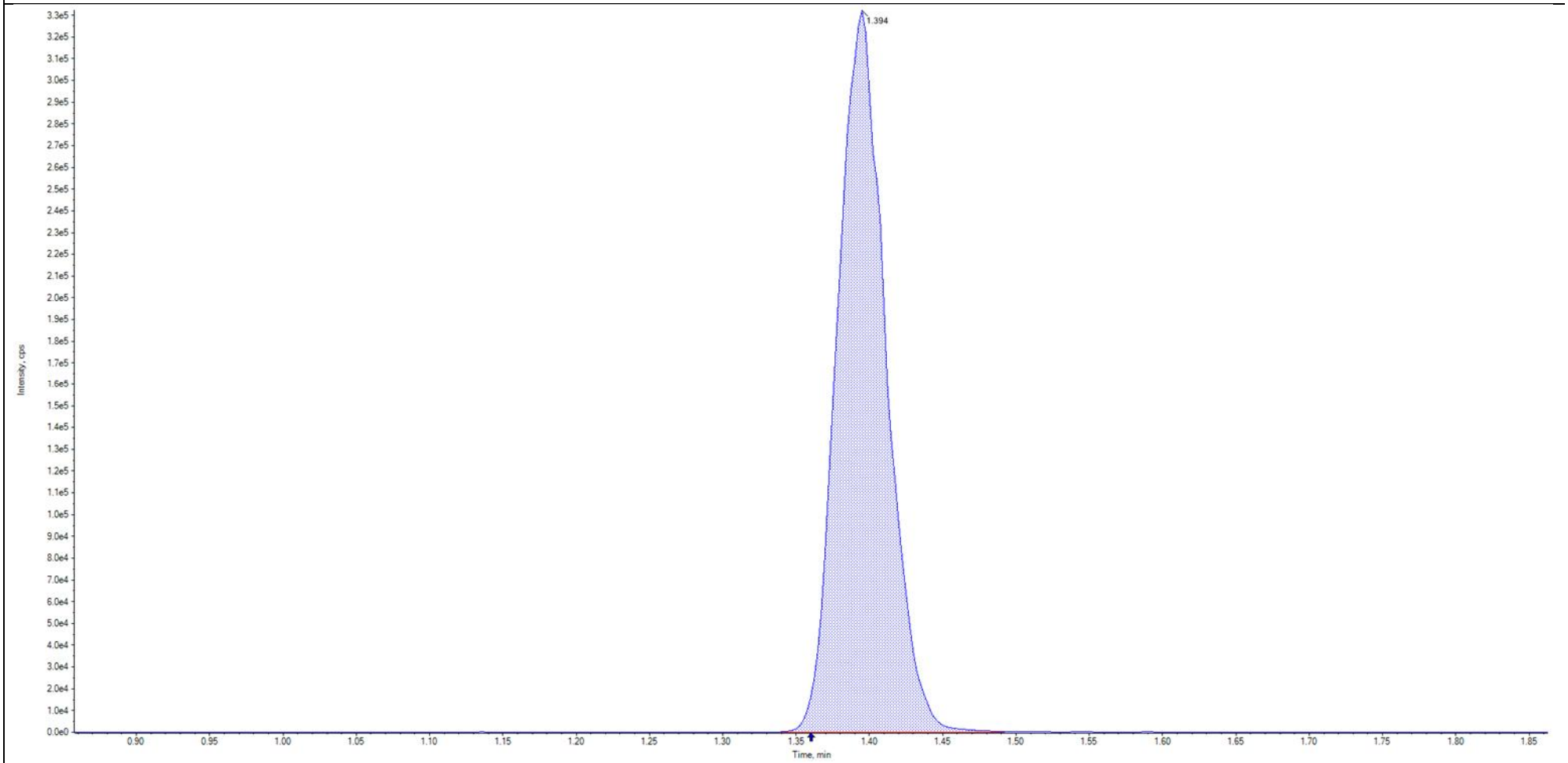
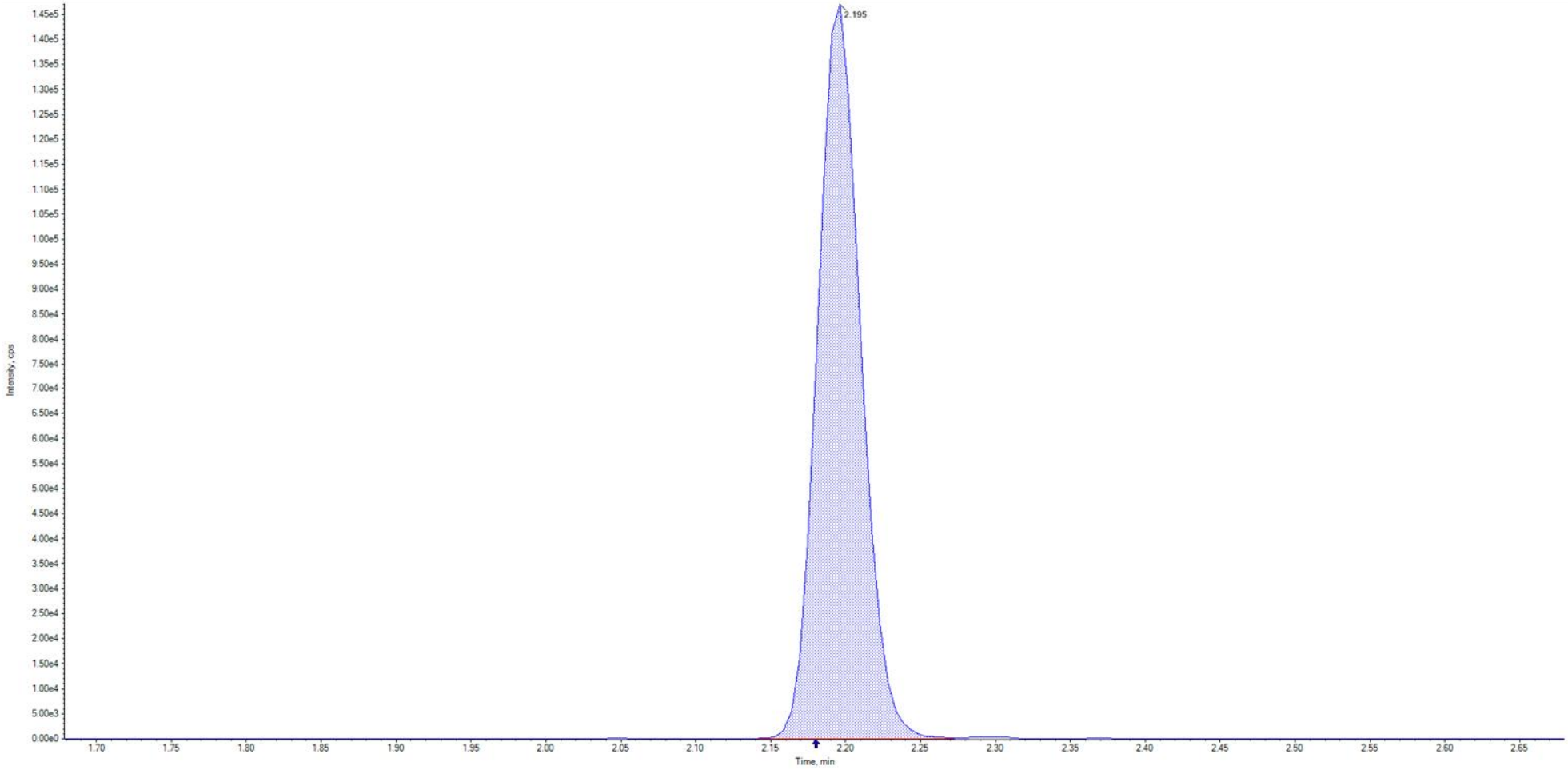
Generated: 12/19/2024 2:27:31 PM

13C5-PFPeA
Sample: WG2011107-2



13C5-PFHxA
Sample: WG2011107-2



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
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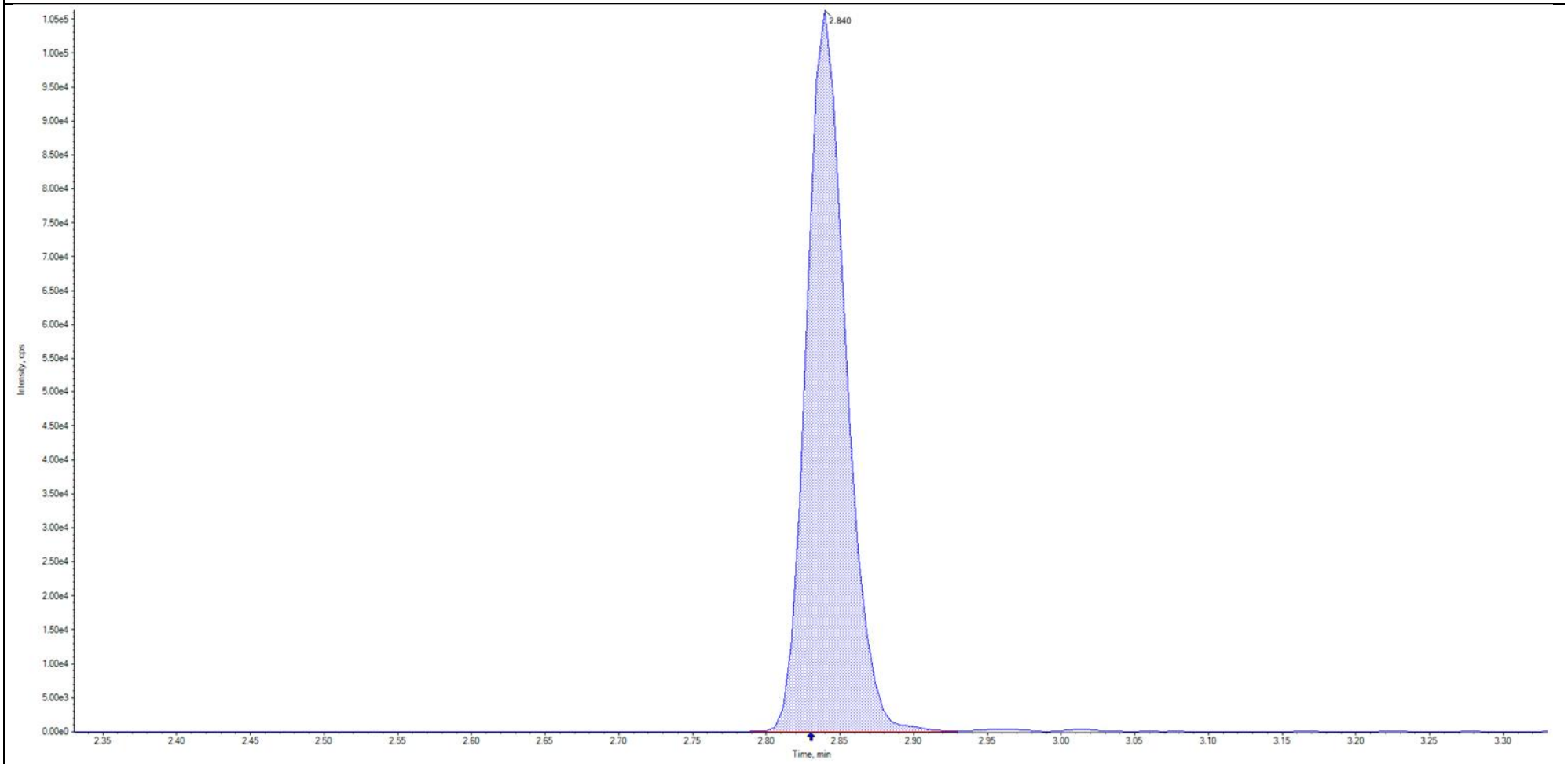
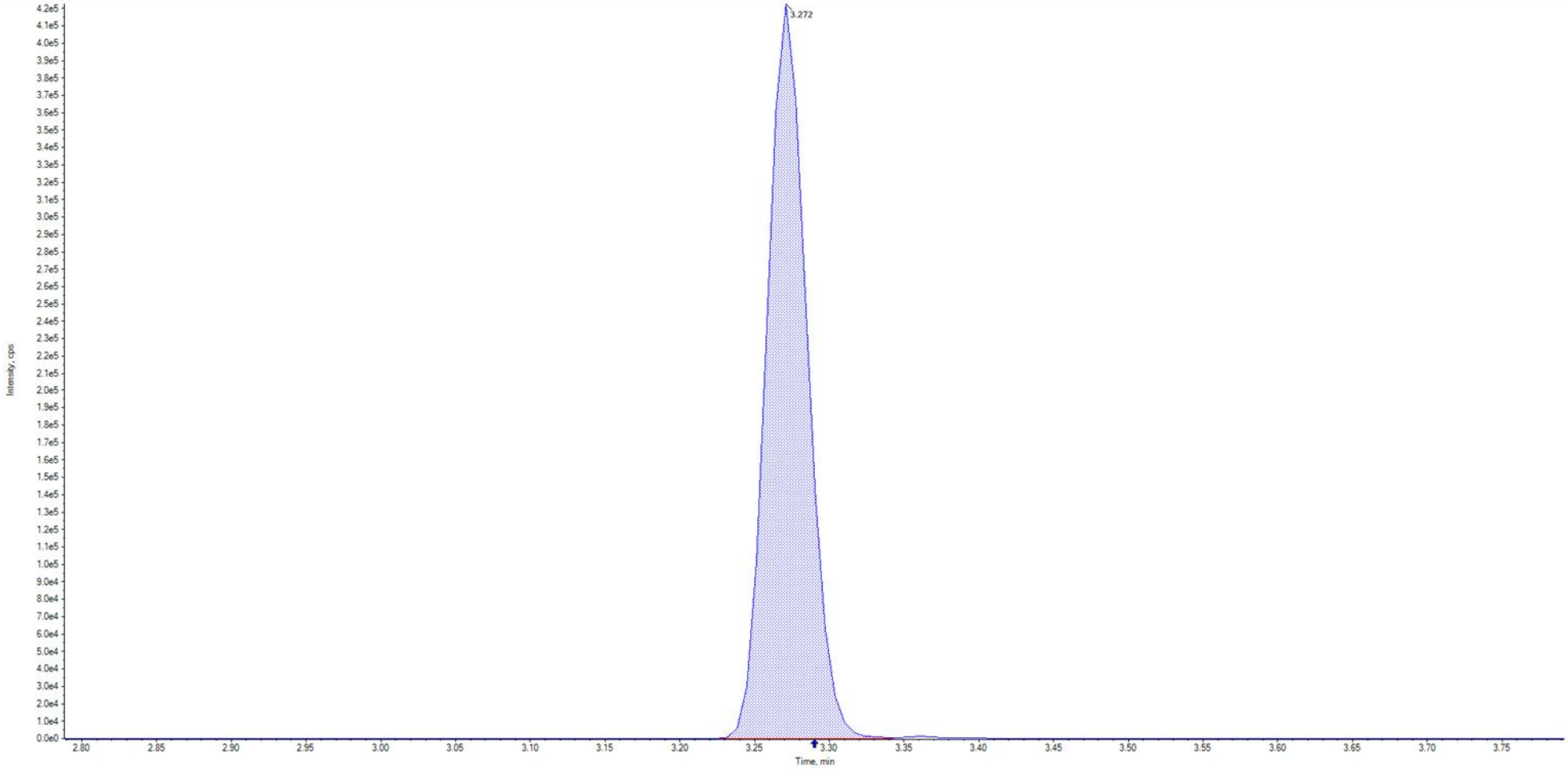
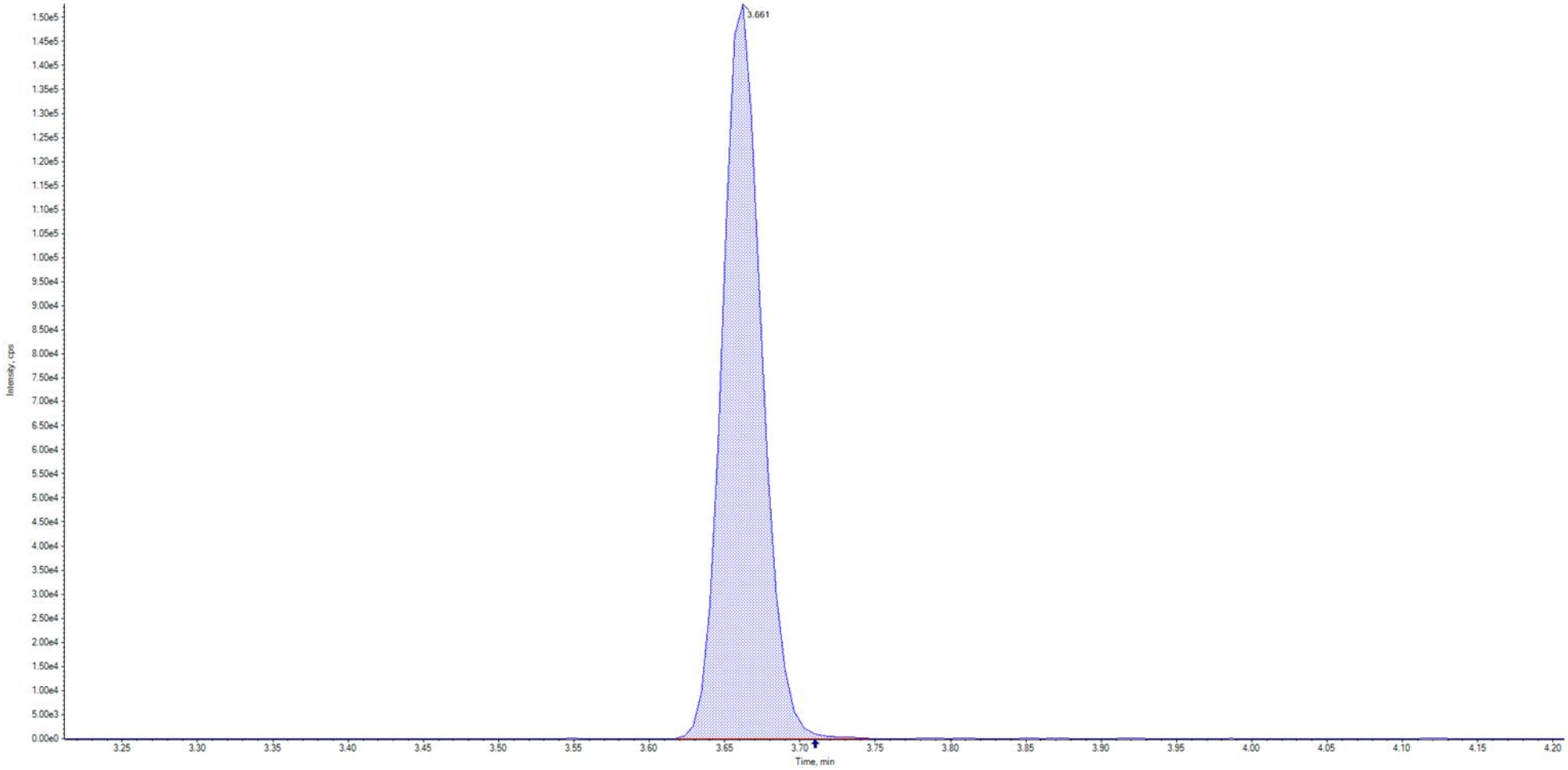
13C4-PFHpA
Sample: WG2011107-2



13C8-PFOA
Sample: WG2011107-2



13C9-PFNA
Sample: WG2011107-2



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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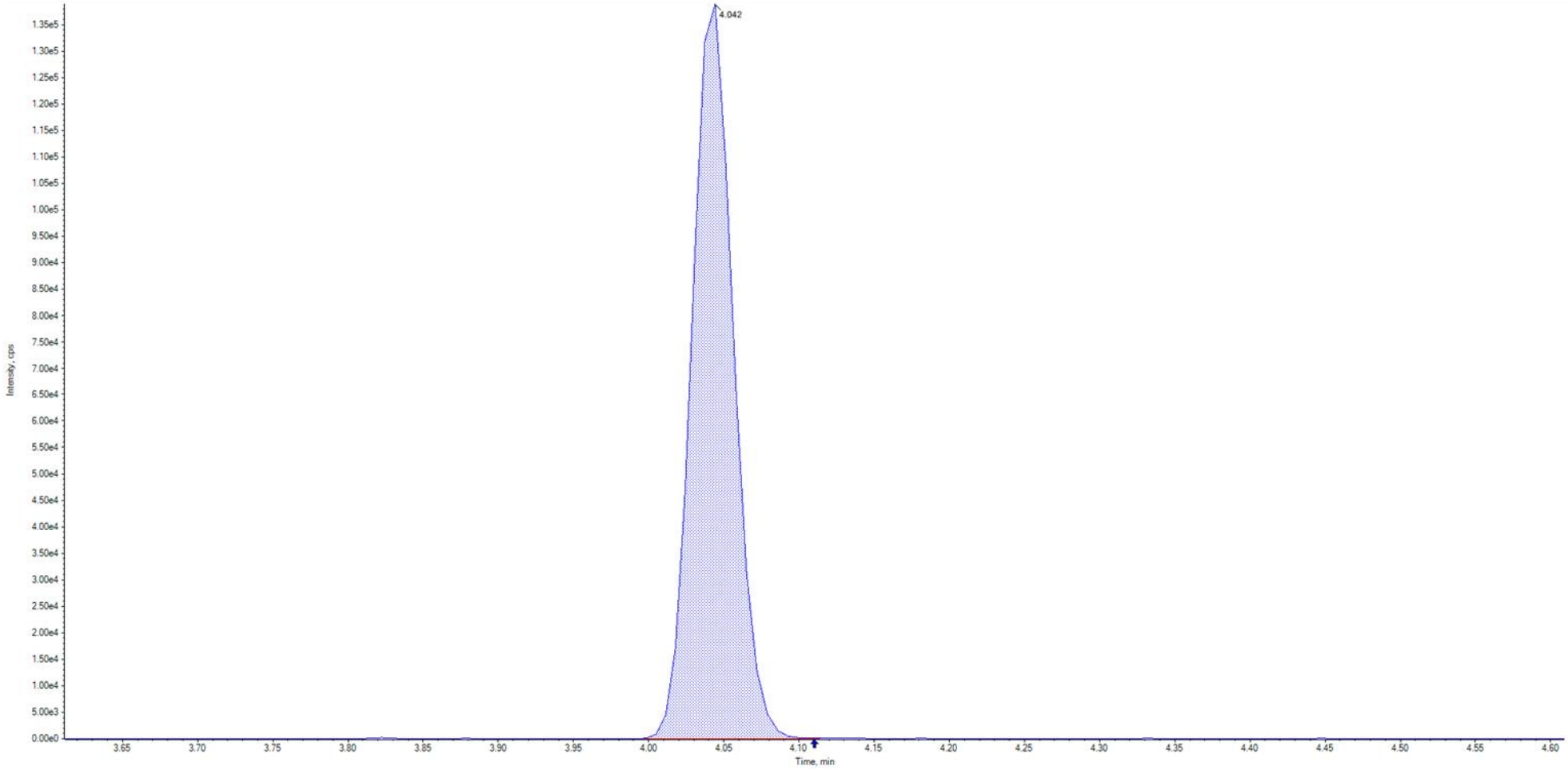
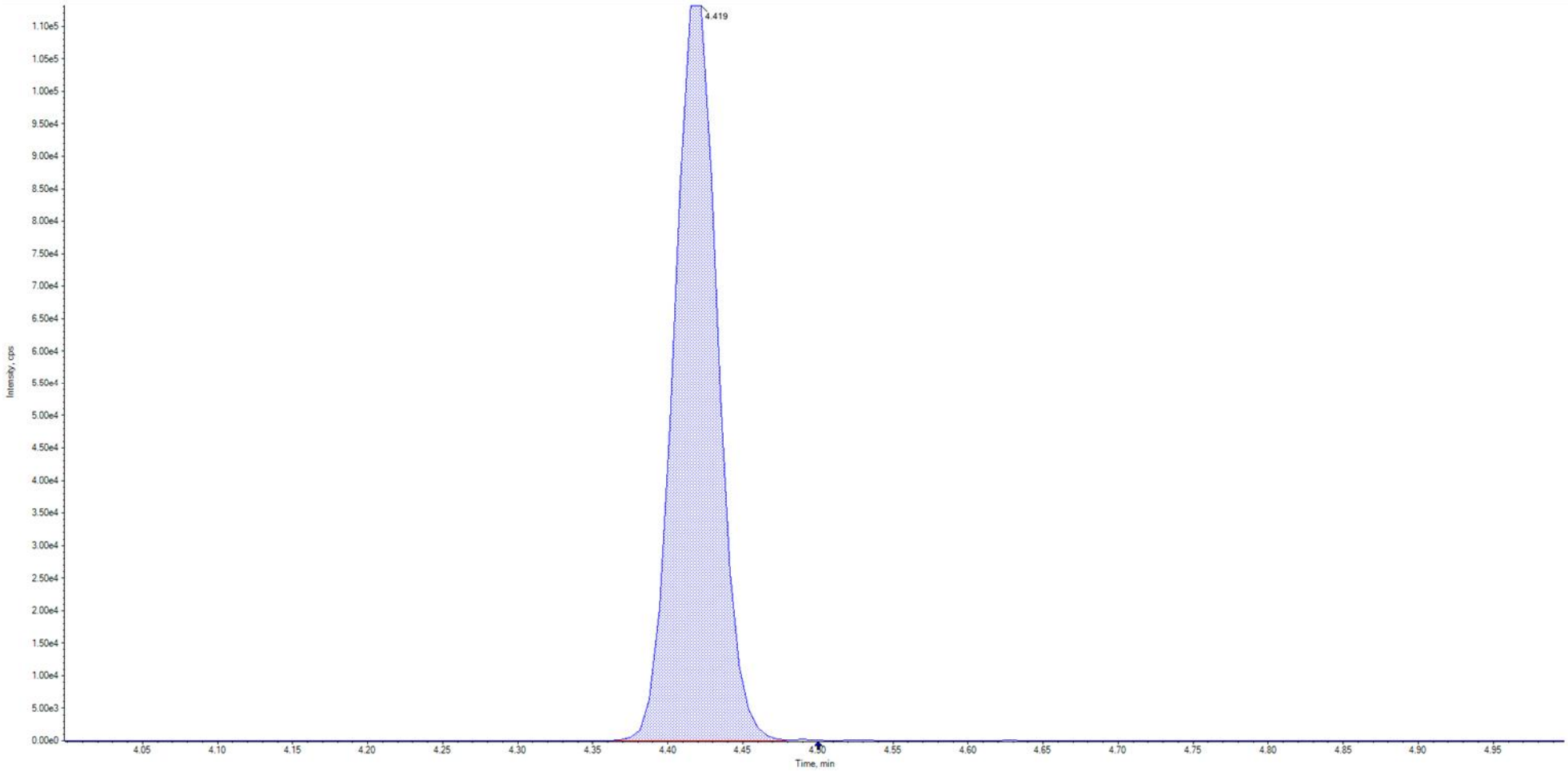
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

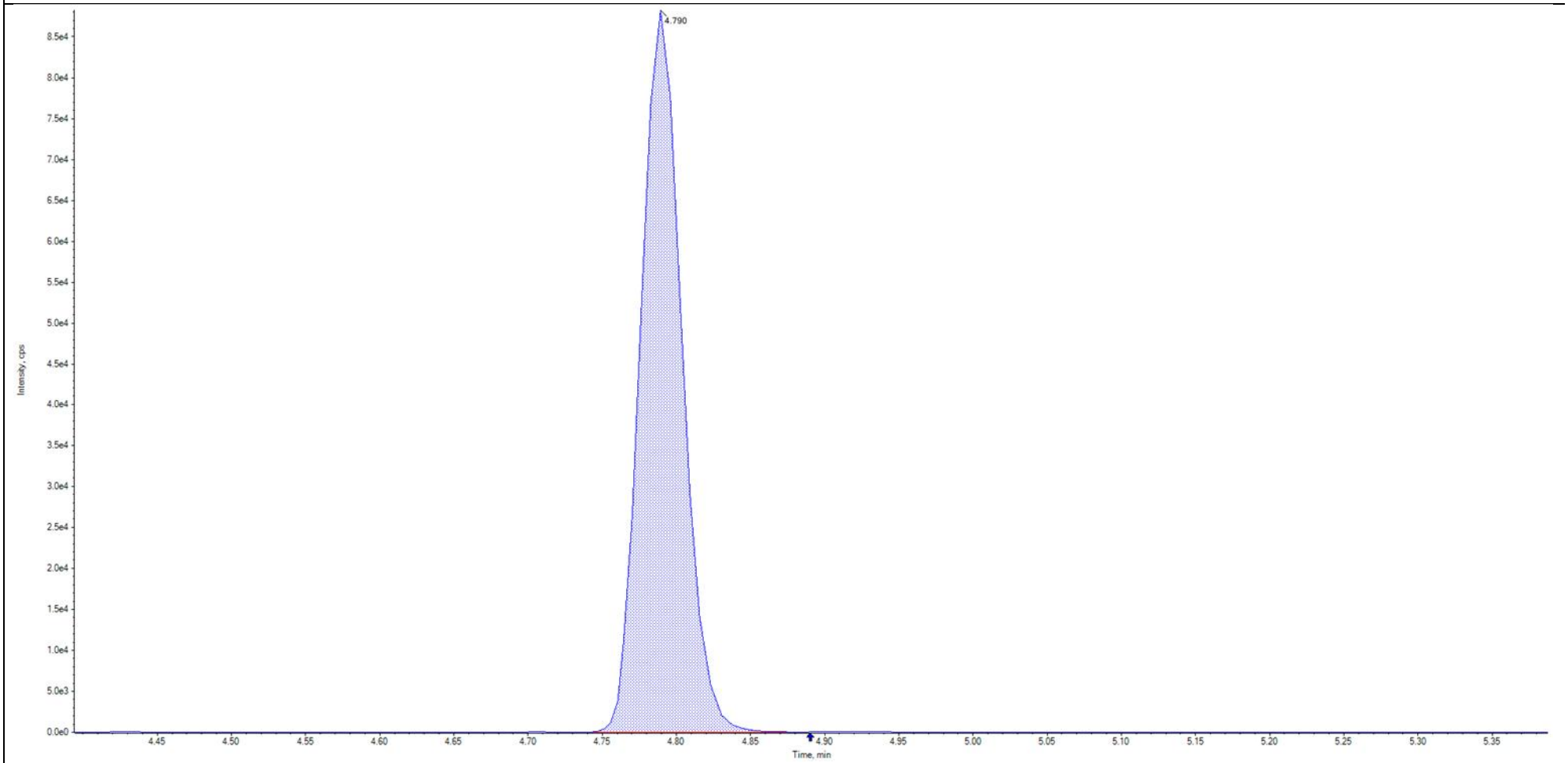
13C6-PFDA
Sample: WG2011107-2



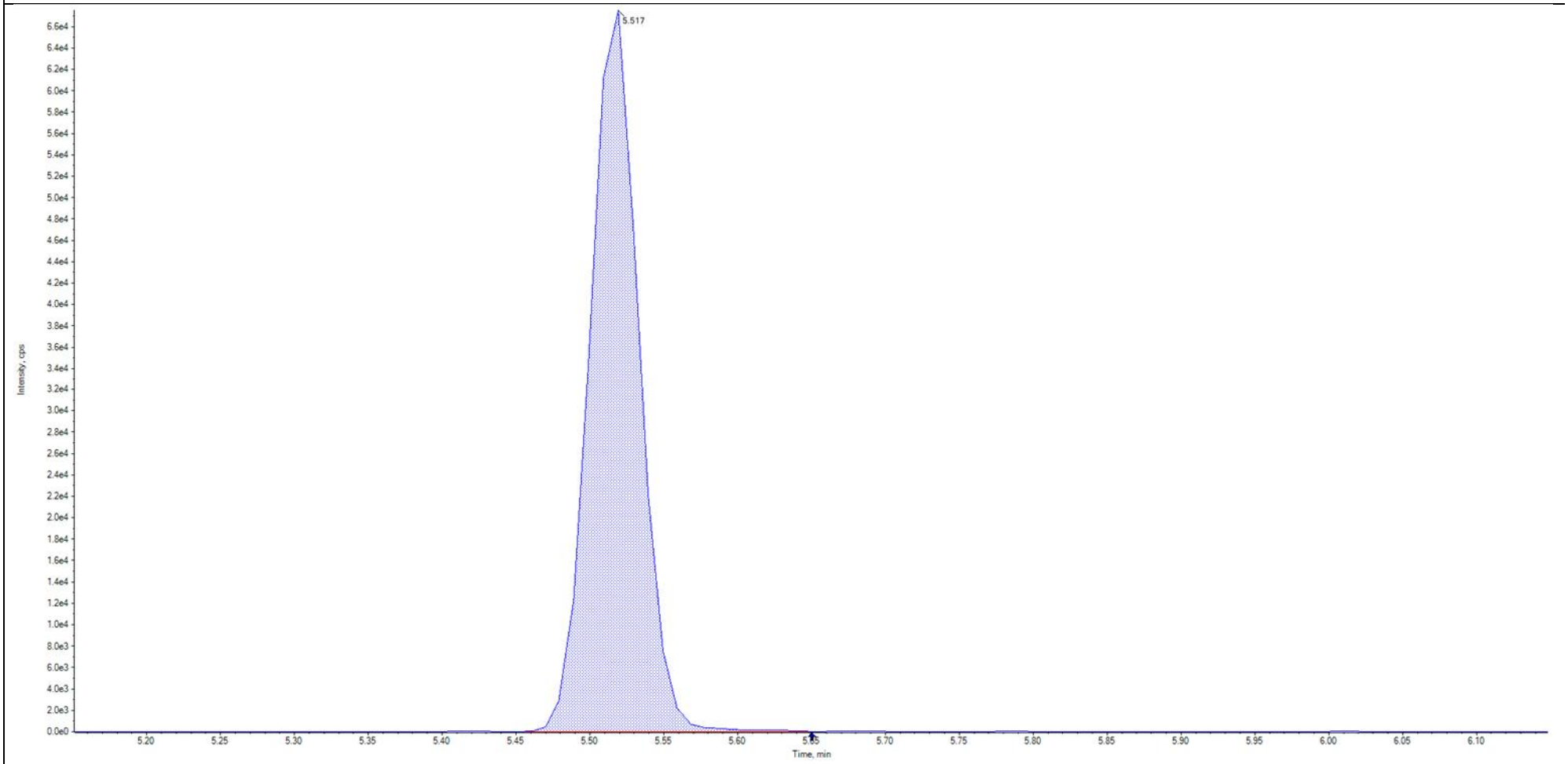
13C7-PFUnA
Sample: WG2011107-2



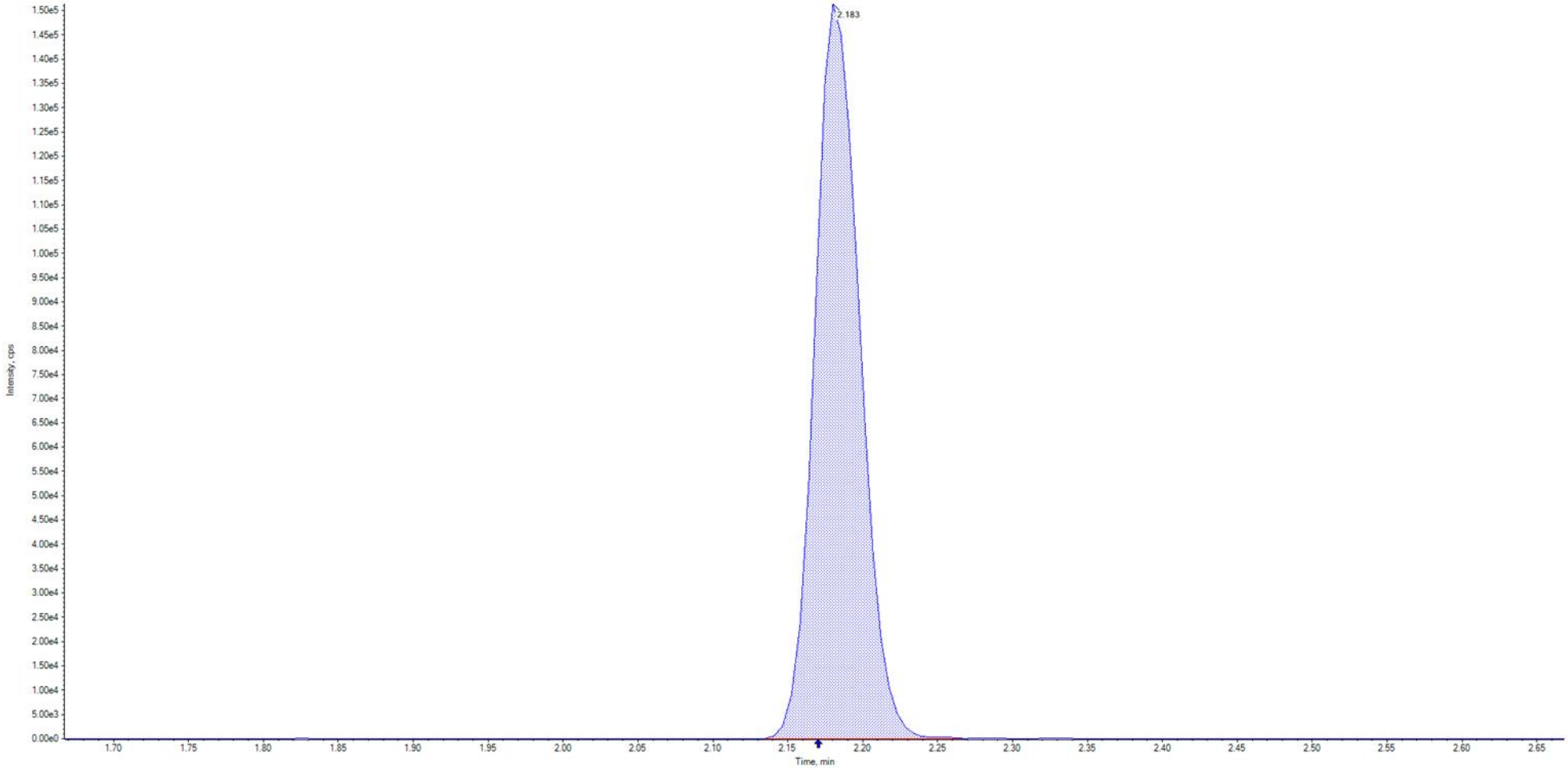
13C2-PFDoA
Sample: WG2011107-2



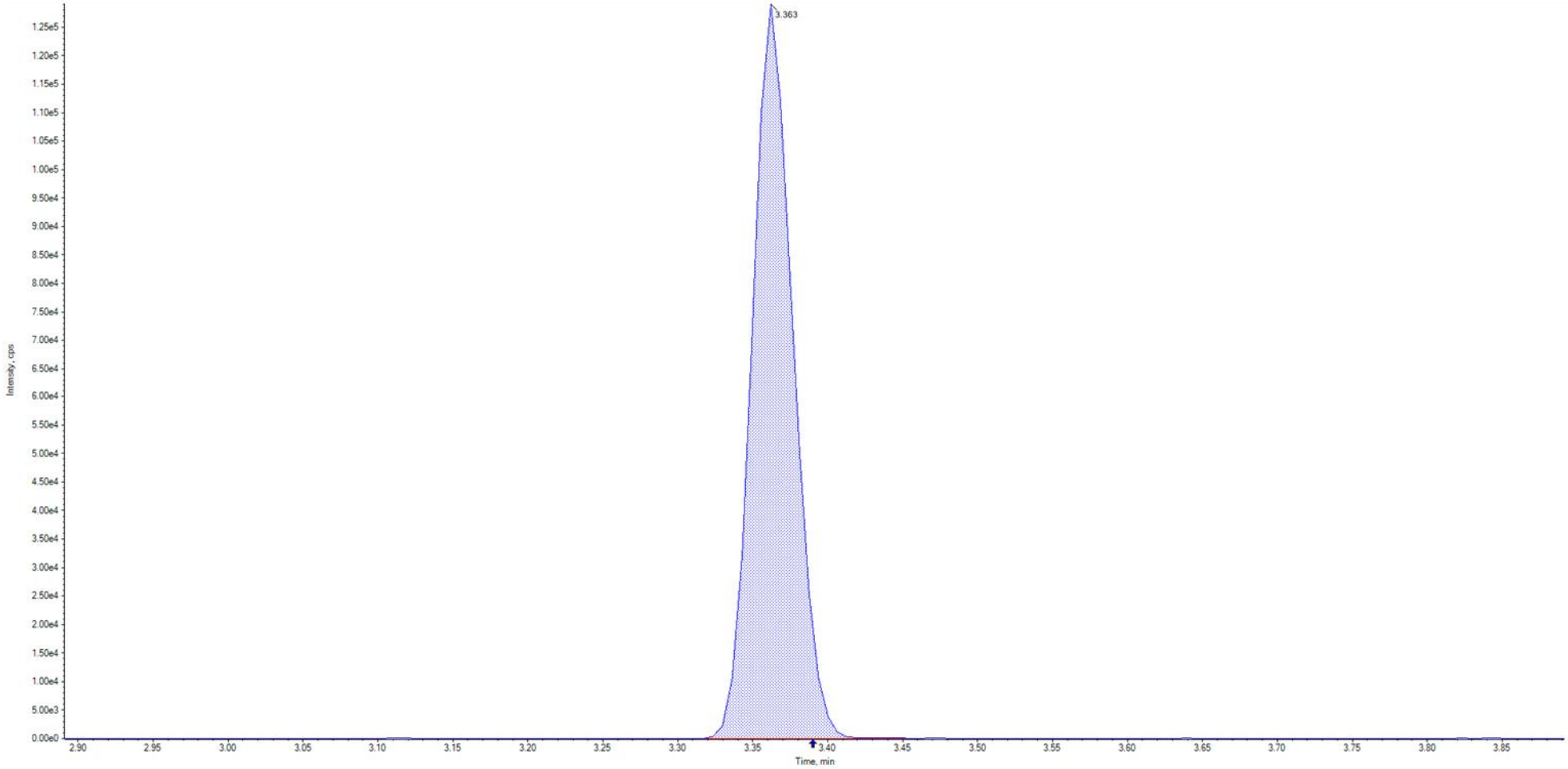
13C2-PFTeDA
Sample: WG2011107-2



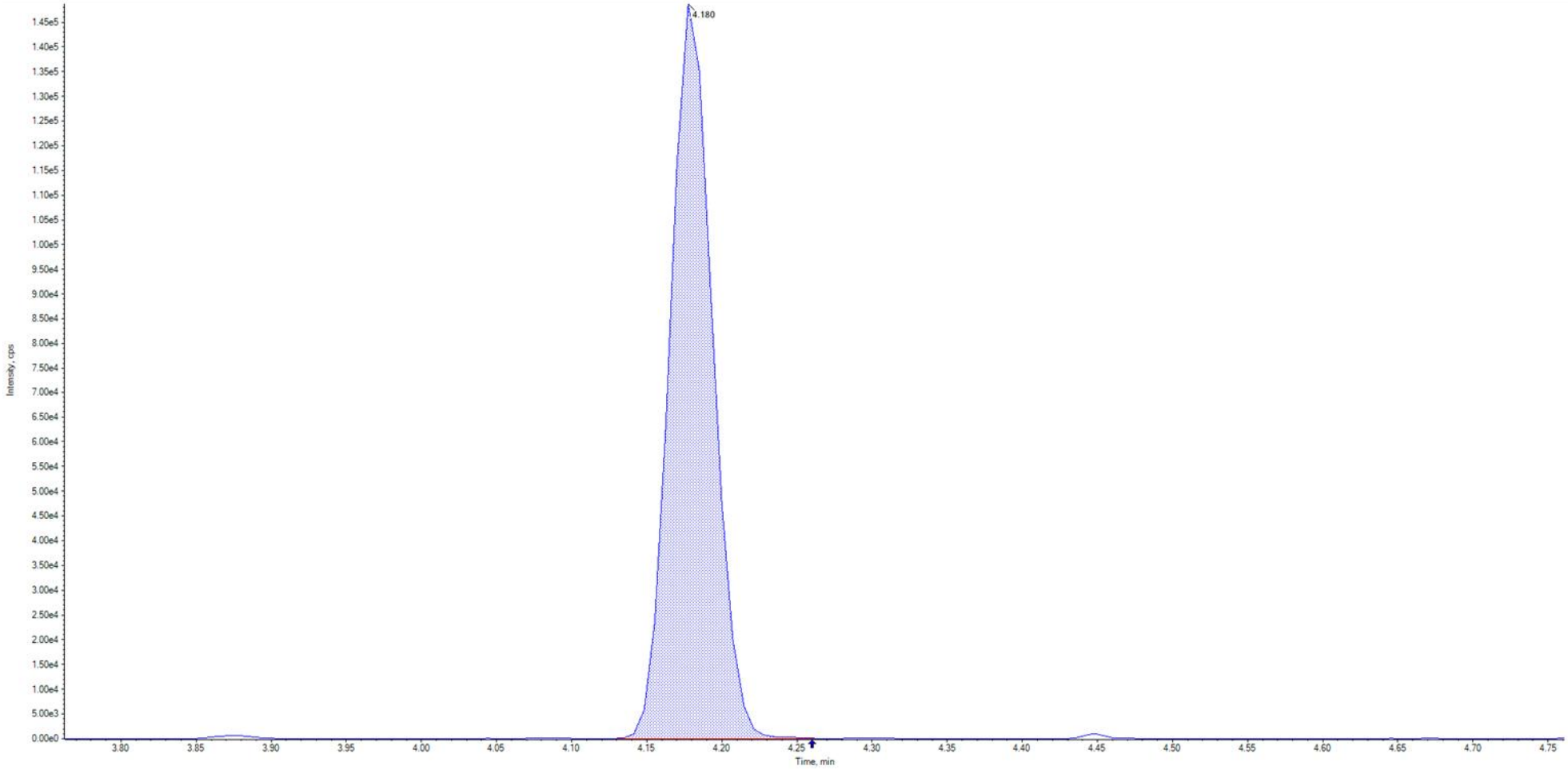
13C3-PFBS
Sample: WG2011107-2



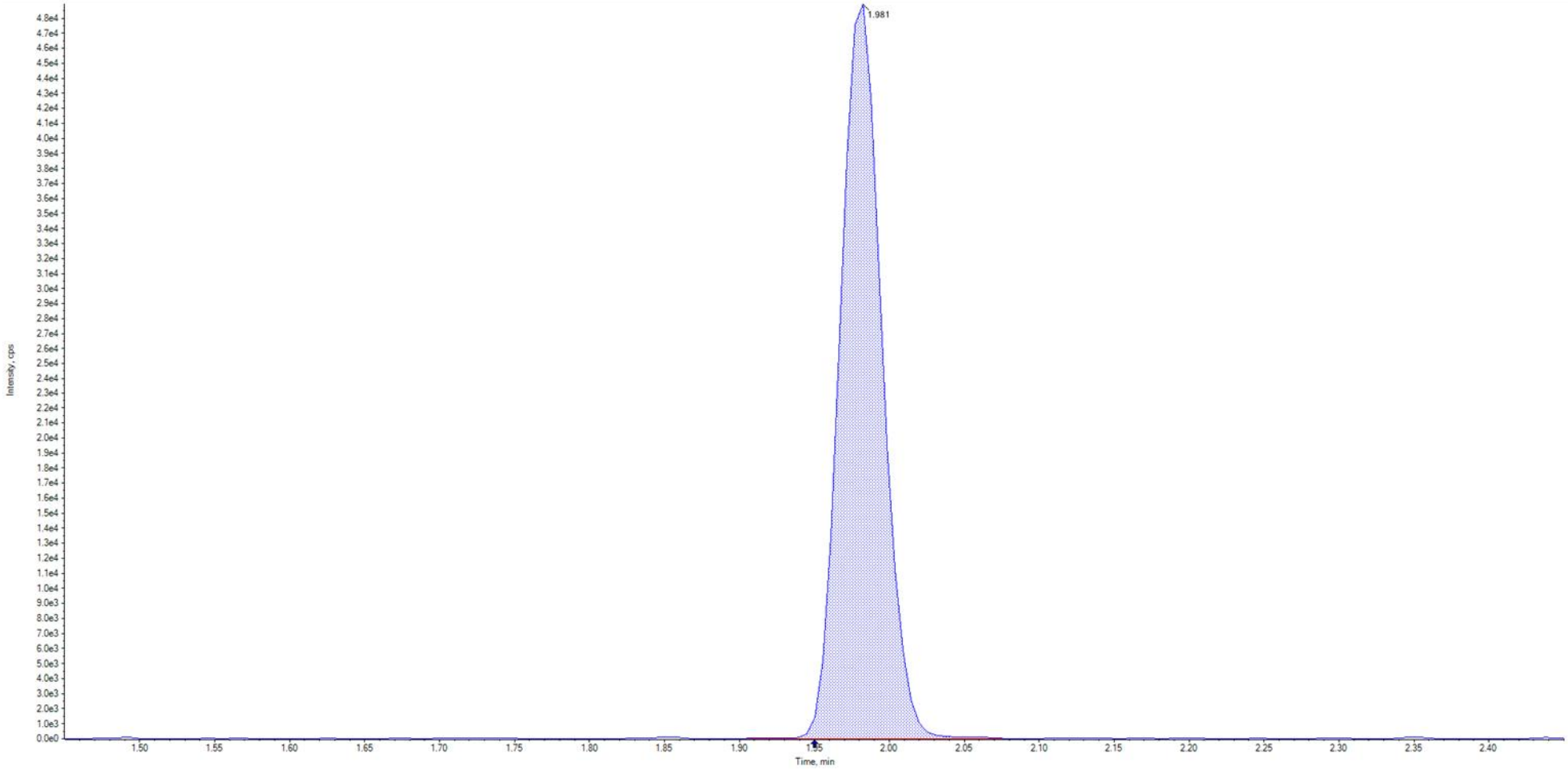
13C3-PFHxS
Sample: WG2011107-2



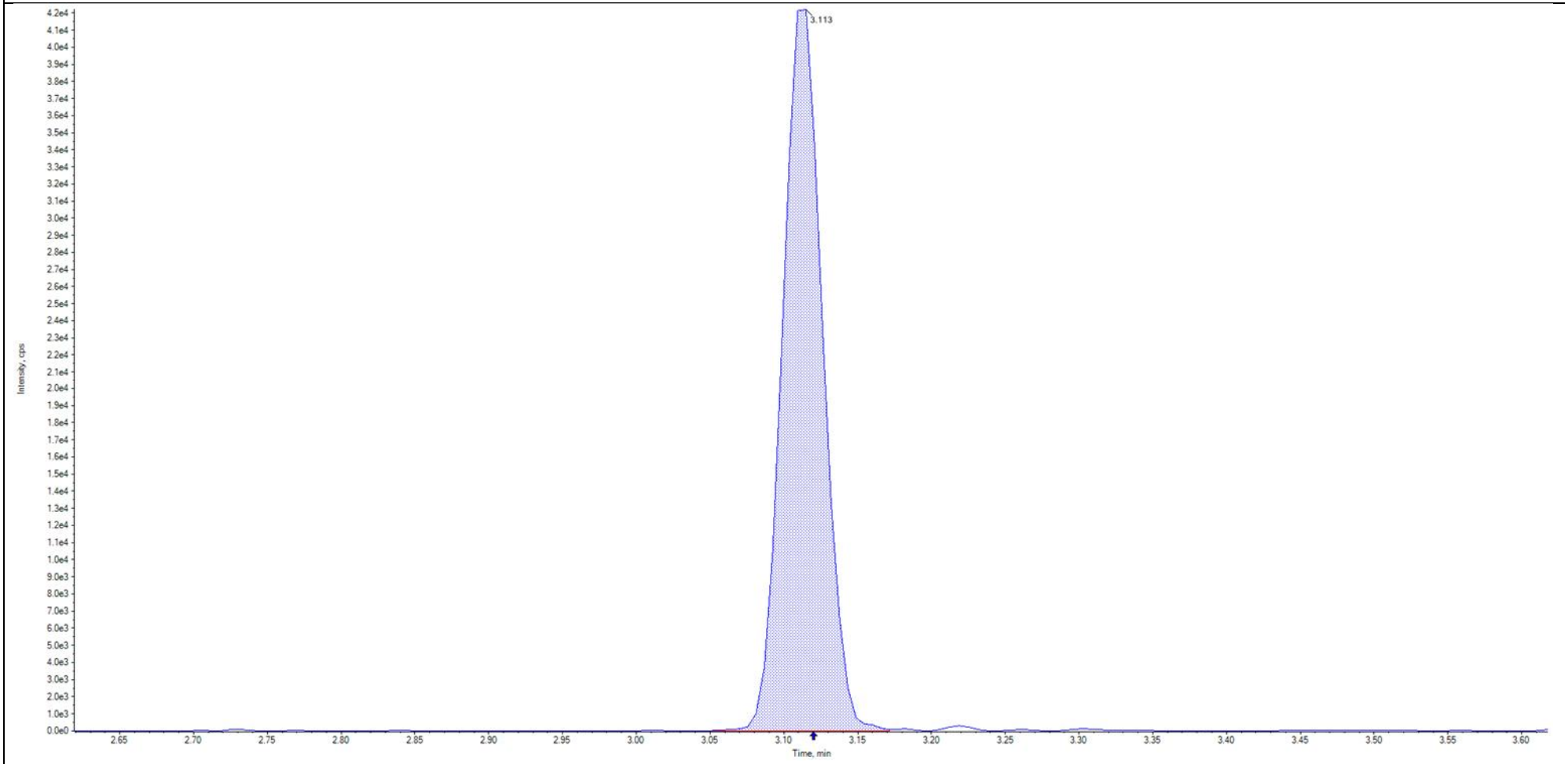
13C8-PFOS
Sample: WG2011107-2



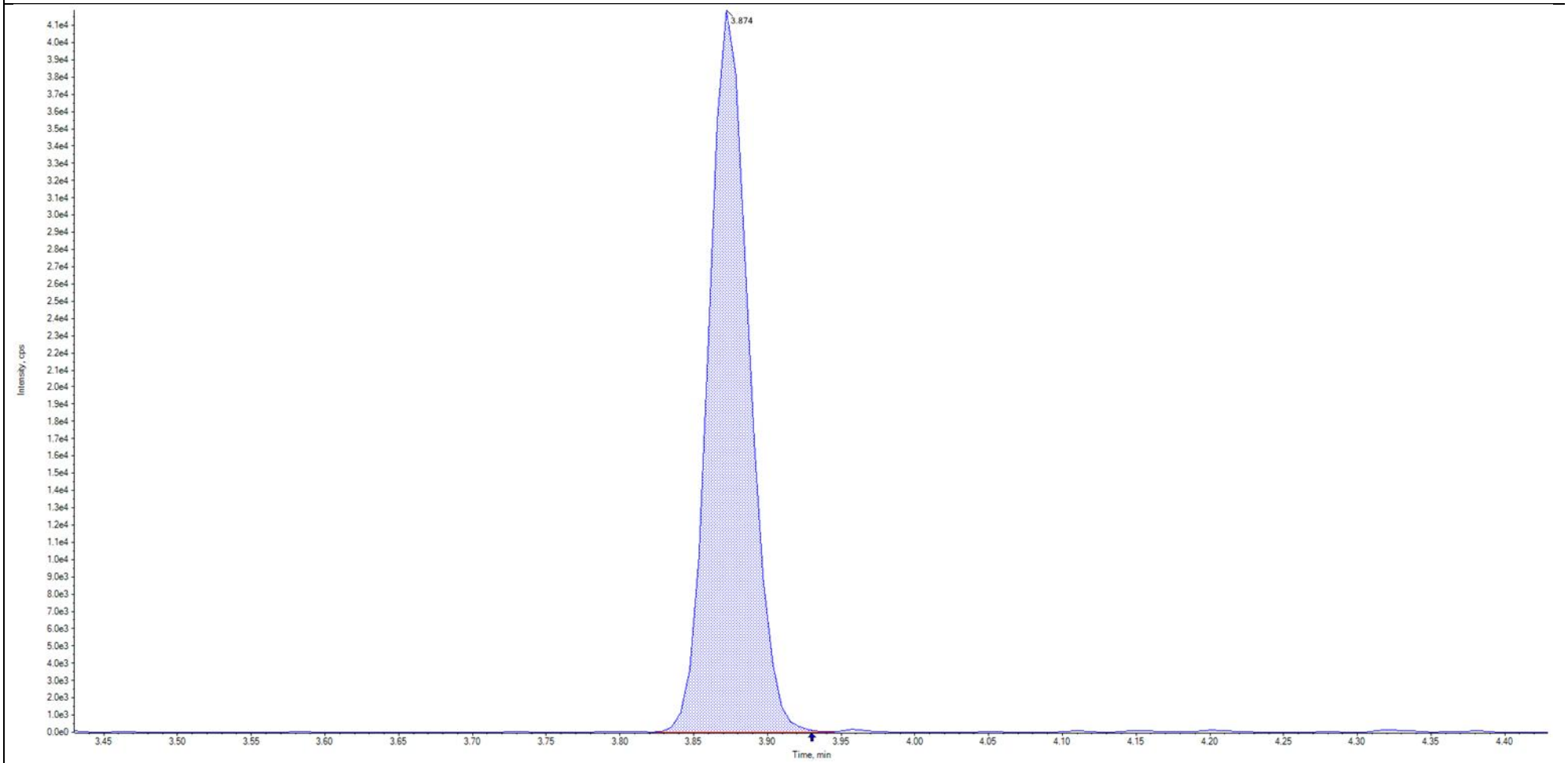
13C2-4:2FTS
Sample: WG2011107-2



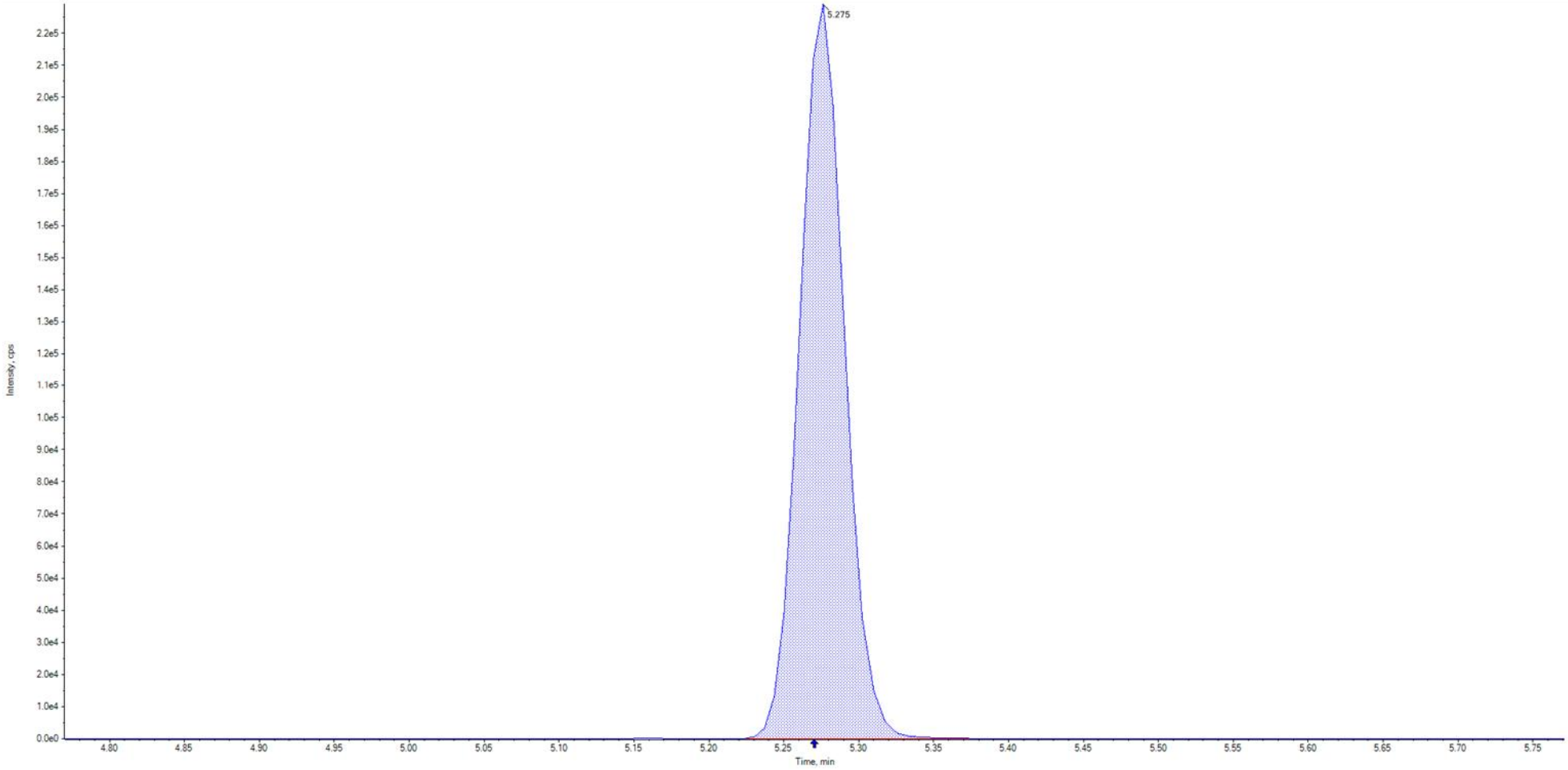
13C2-6:2FTS
Sample: WG2011107-2



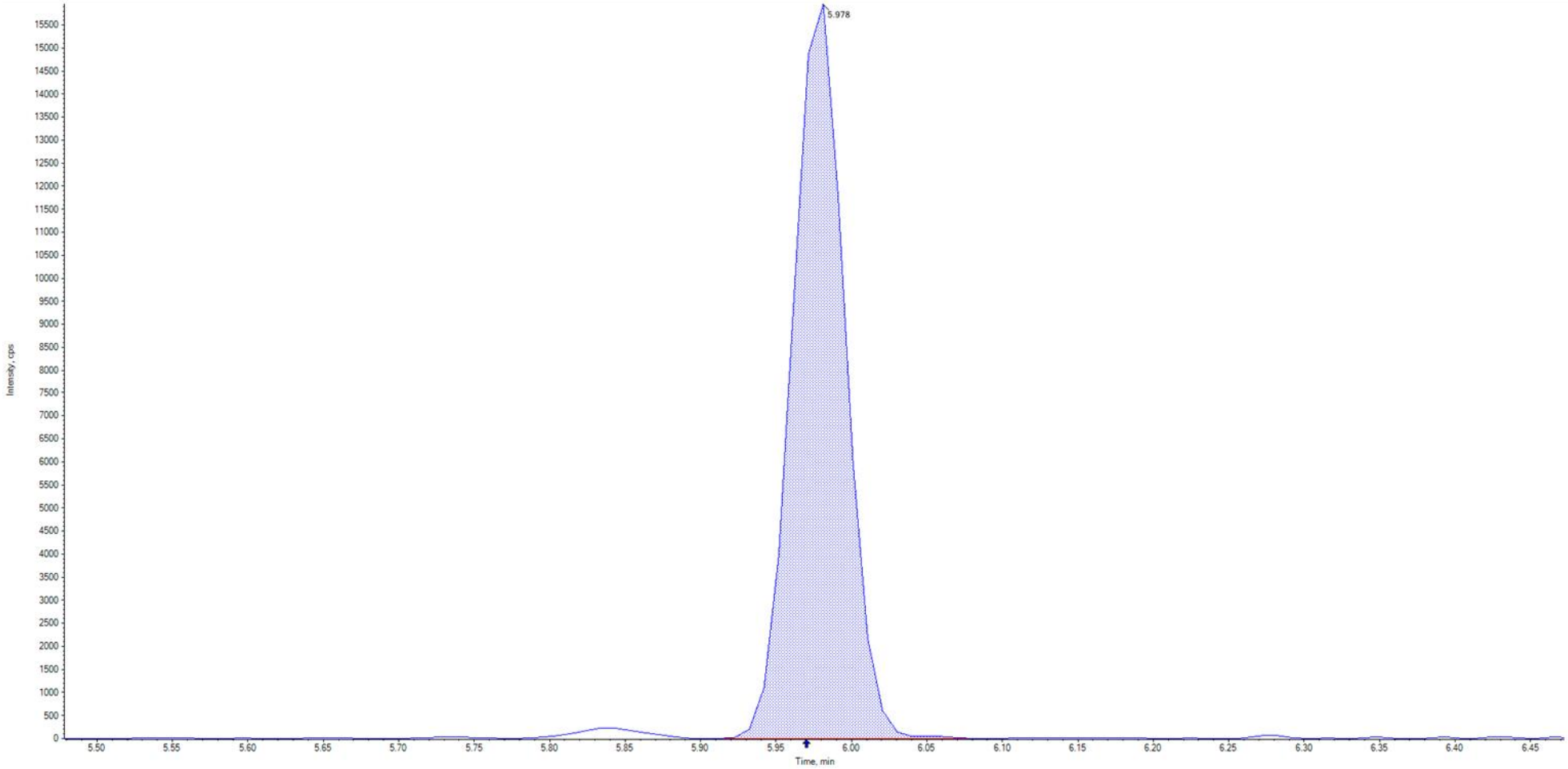
13C2-8:2FTS
Sample: WG2011107-2



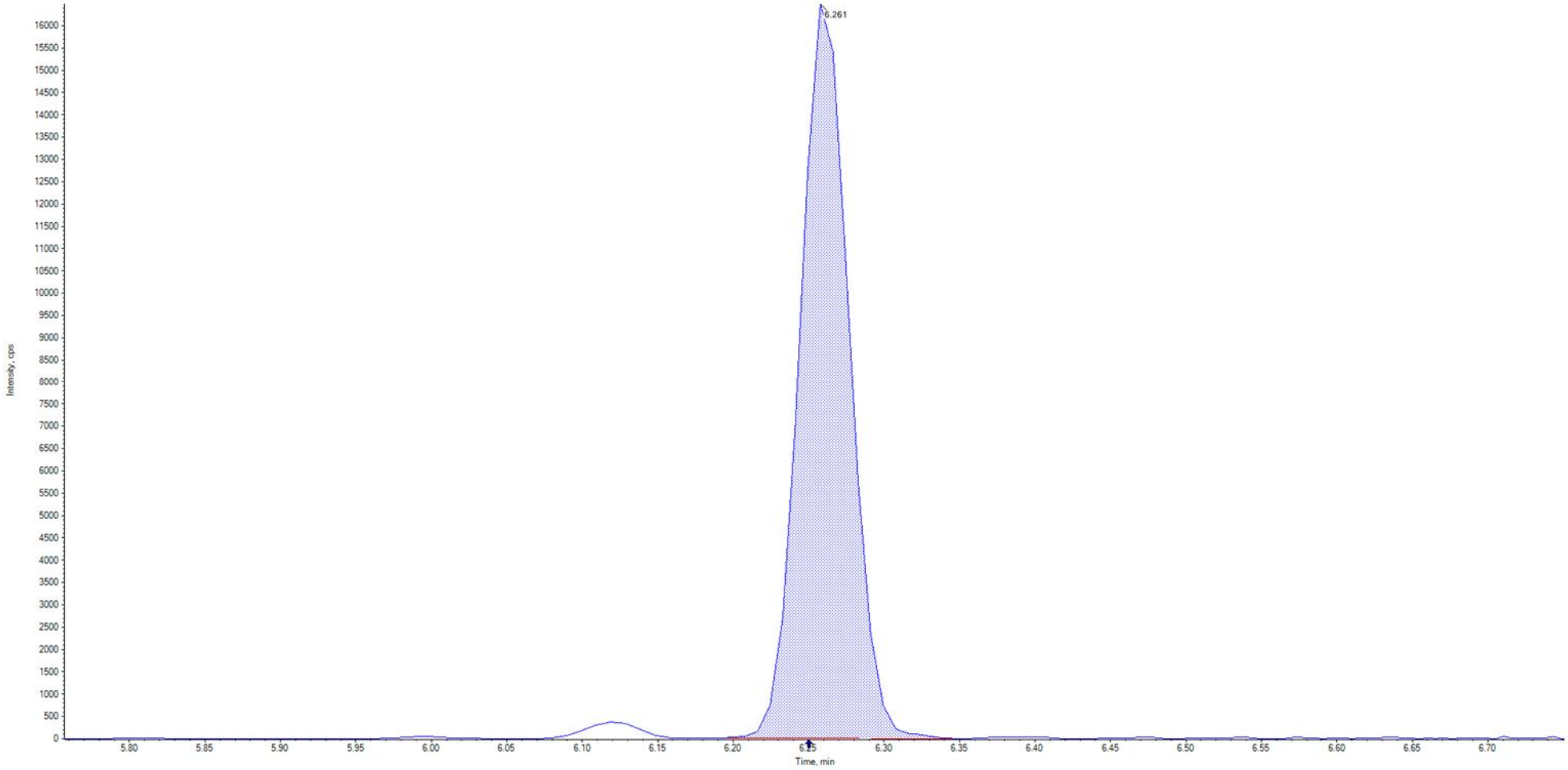
13C8-PFOSA
Sample: WG2011107-2



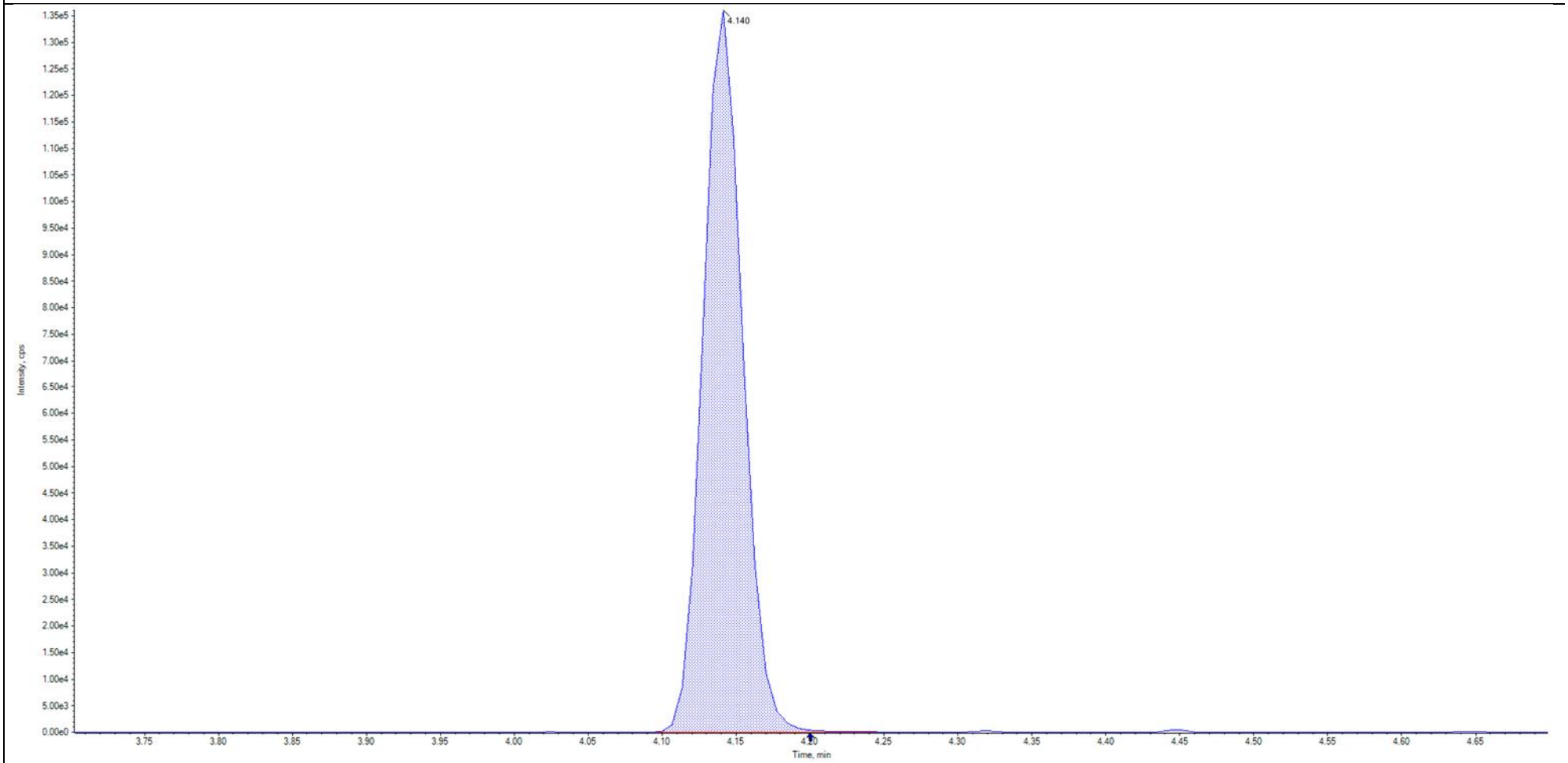
d3-NMeFOSA
Sample: WG2011107-2



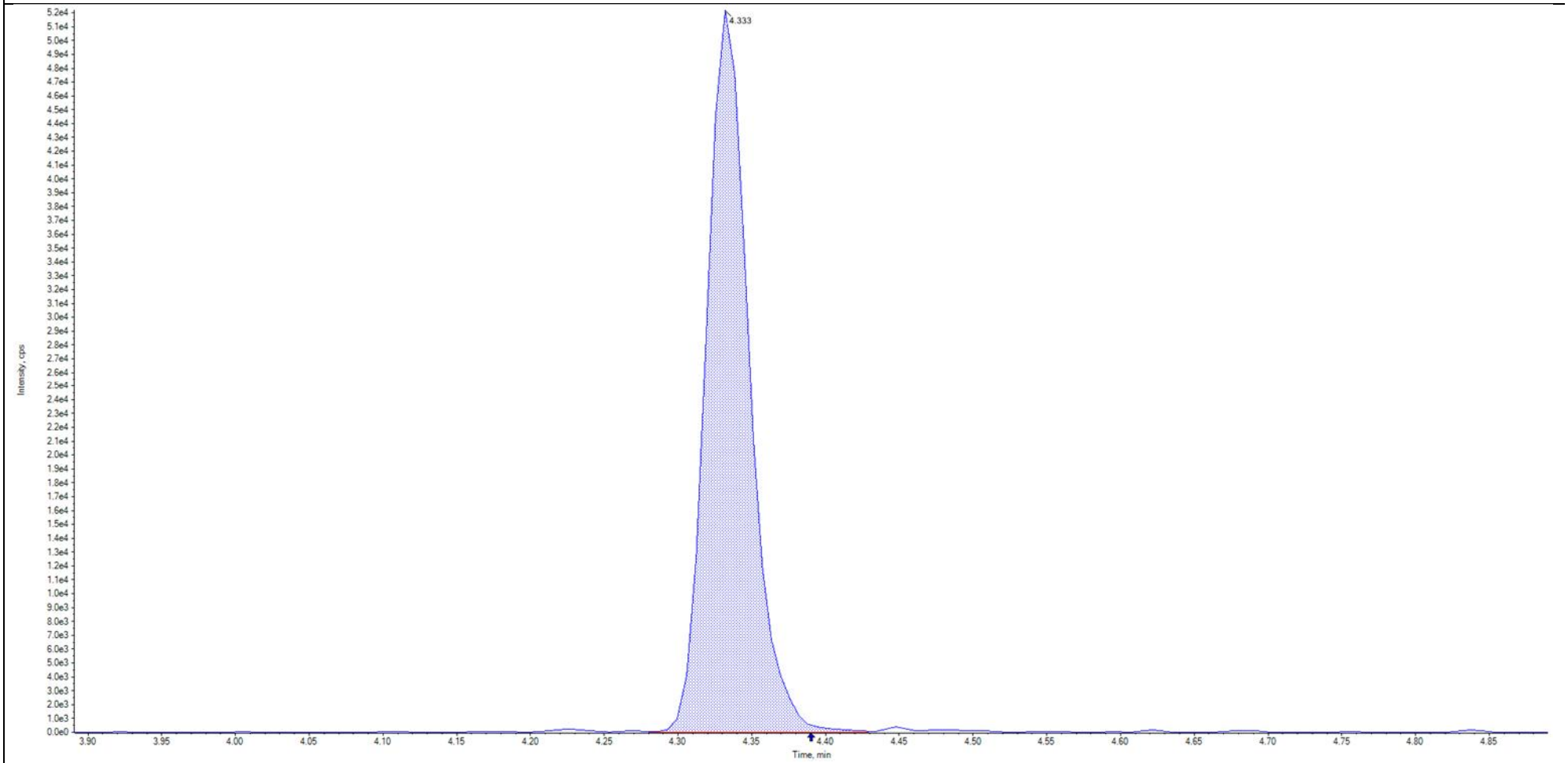
d5-NEtFOSA
Sample: WG2011107-2



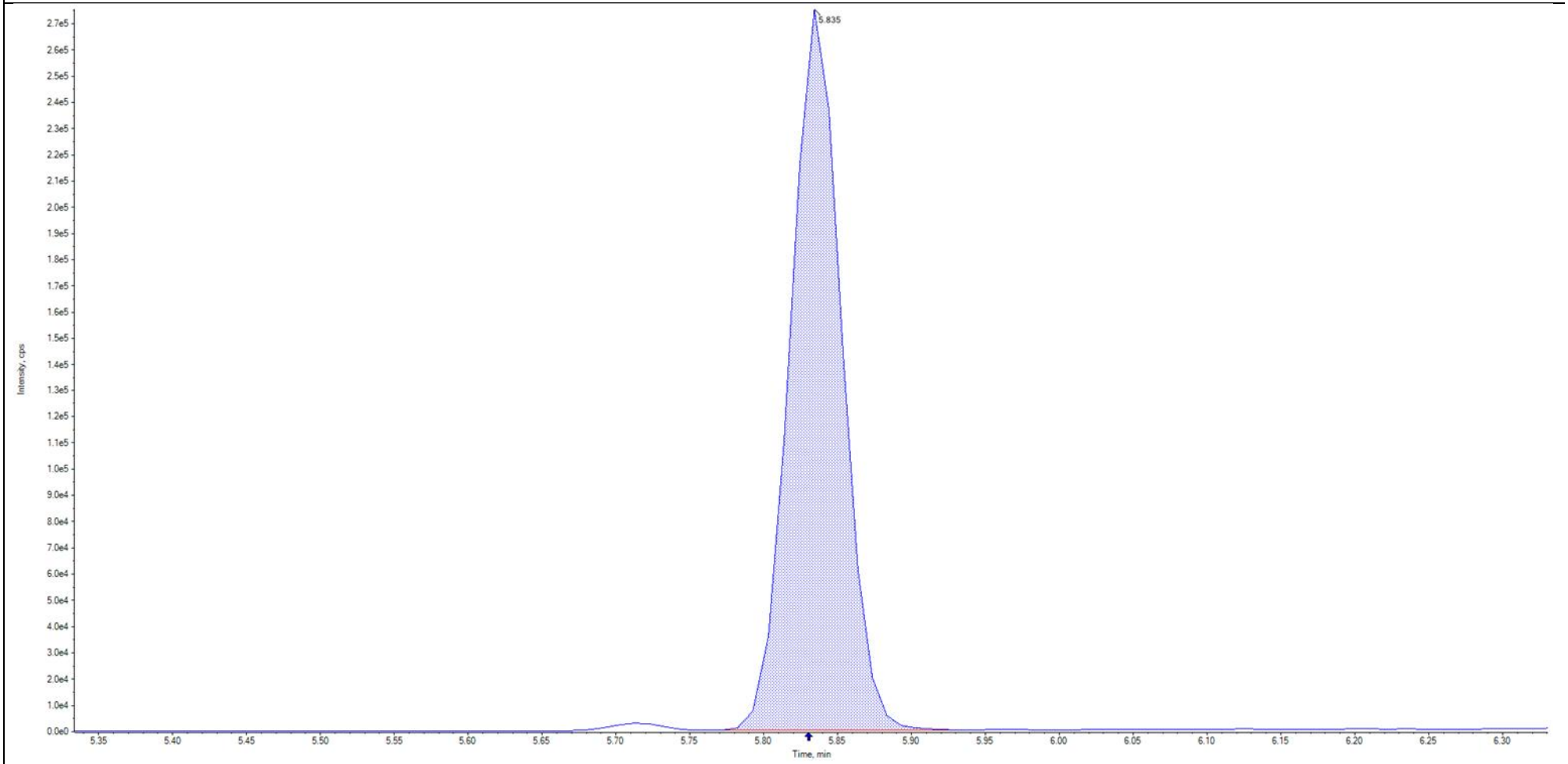
d3-NMeFOSAA
Sample: WG2011107-2



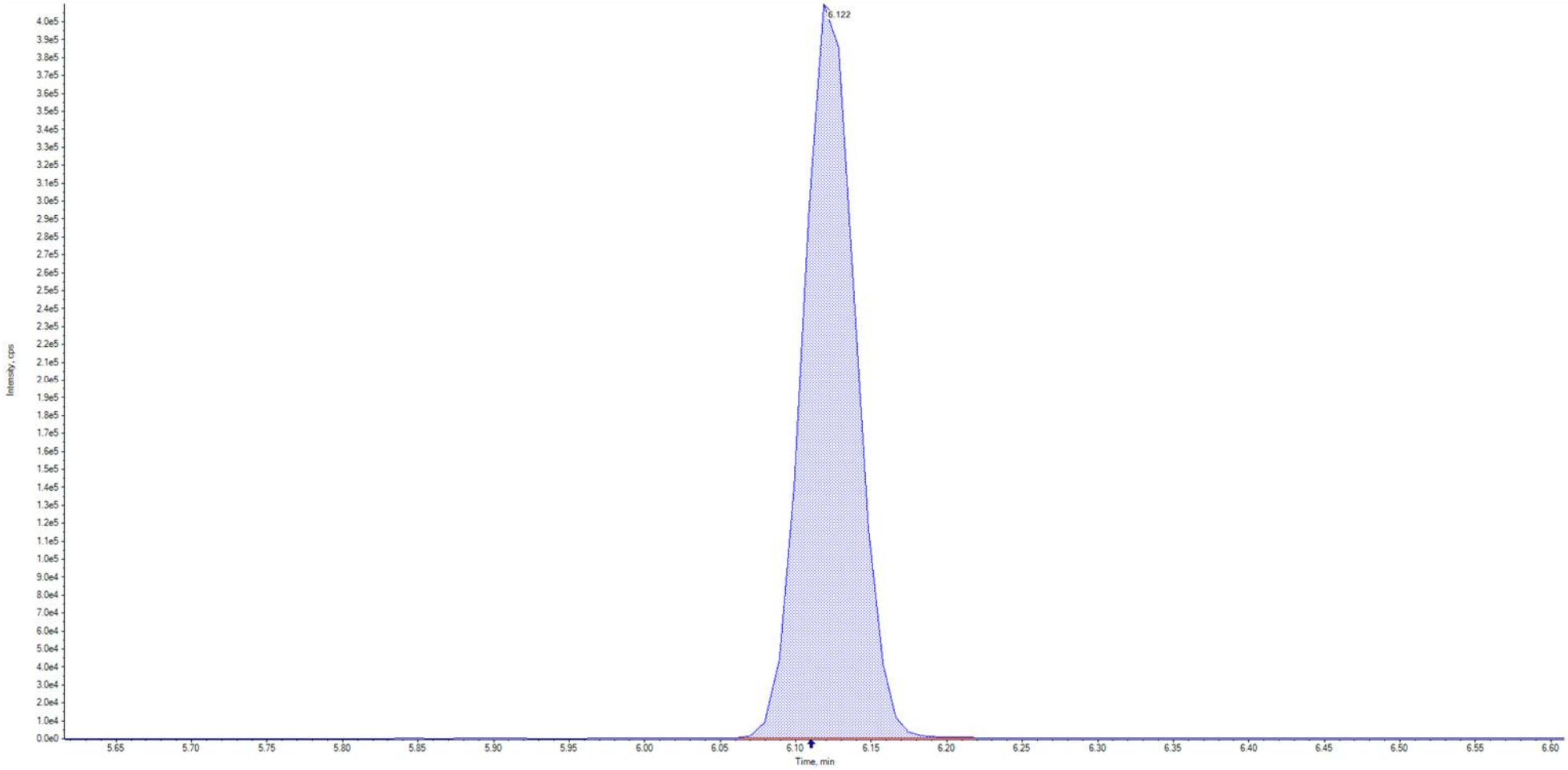
d5-NEtFOSAA
Sample: WG2011107-2



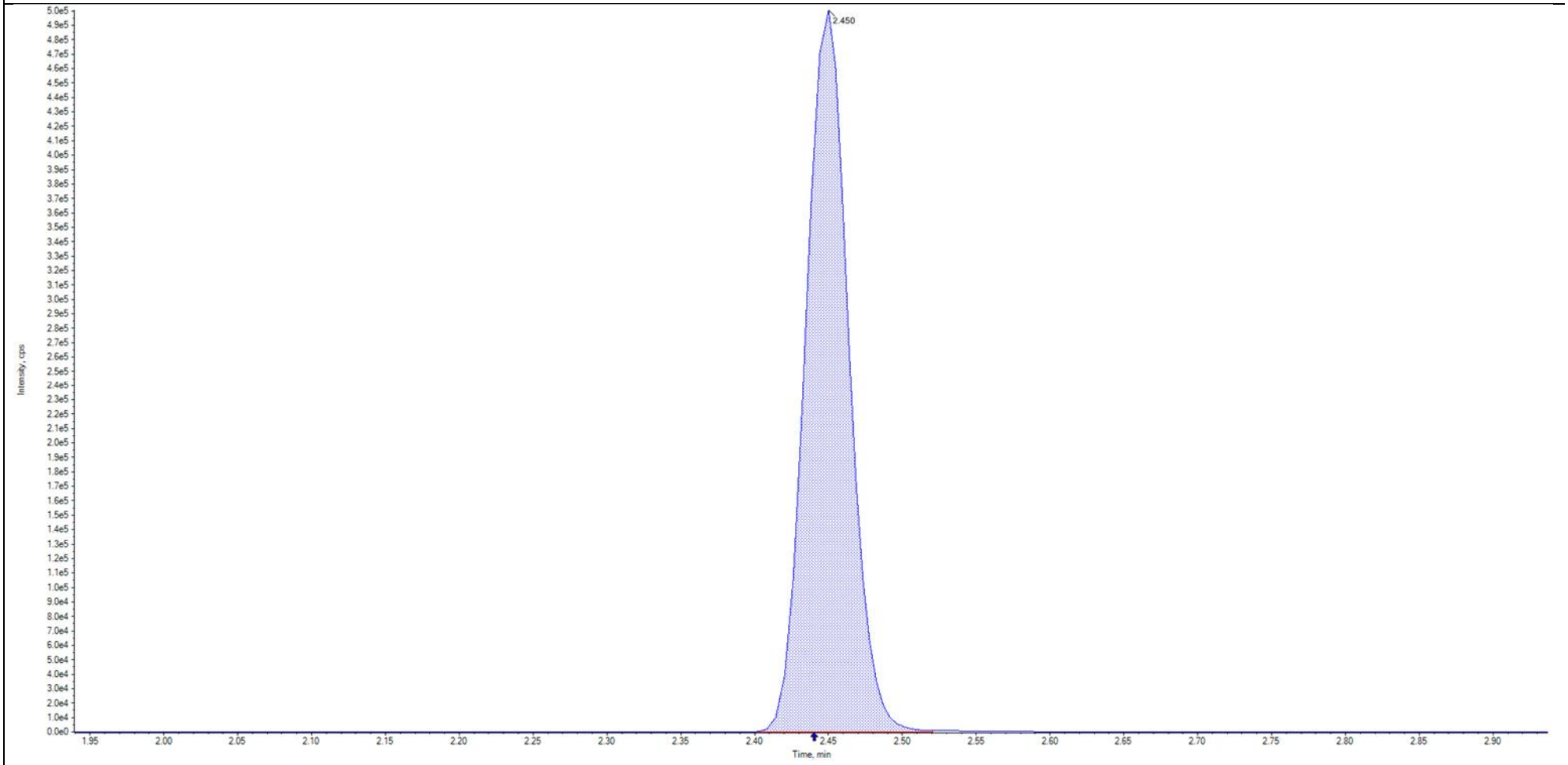
d7-NMeFOSE
Sample: WG2011107-2



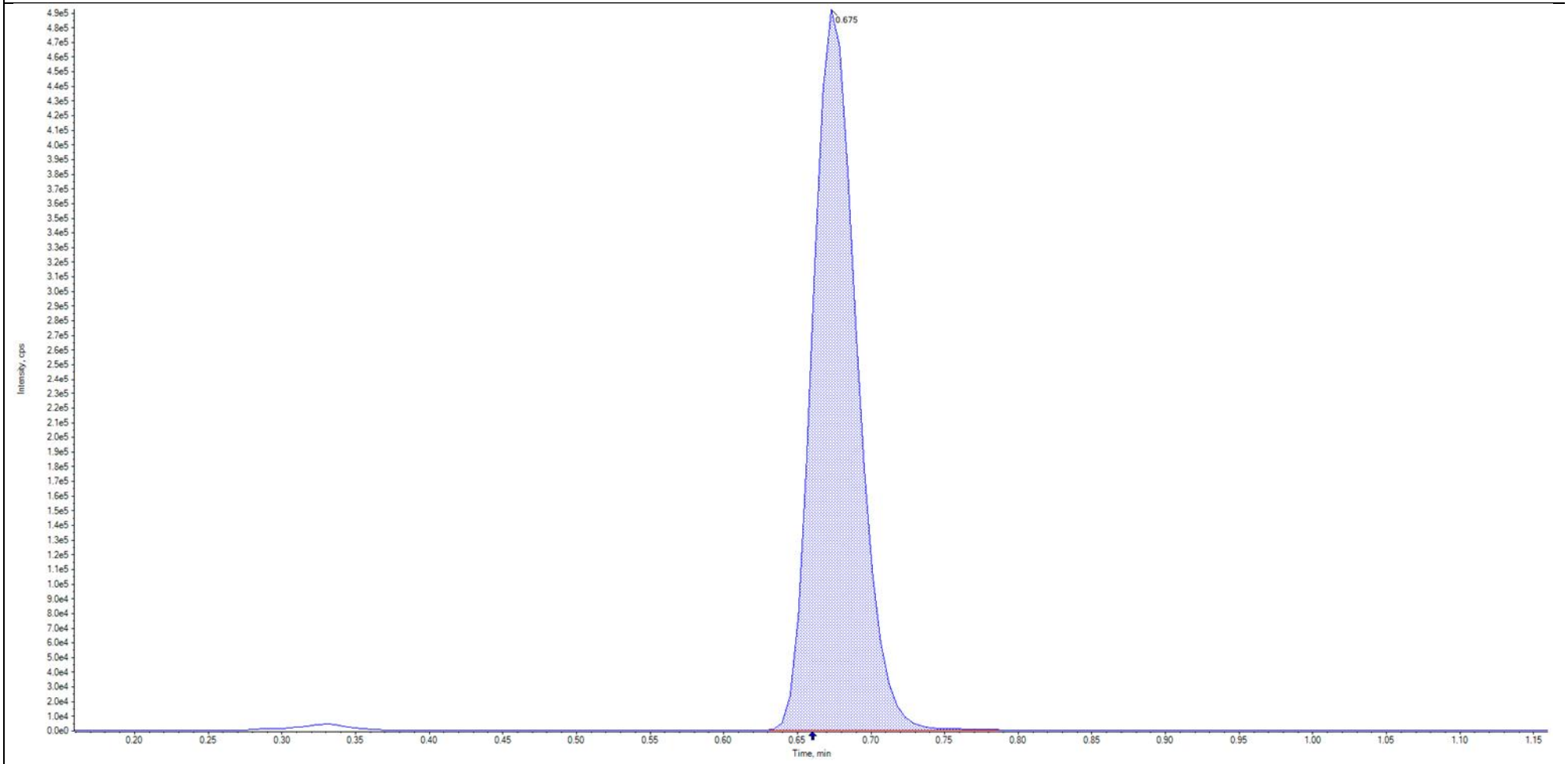
d9-NEtFOSE
Sample: WG2011107-2



13C3-HFPO-DA
Sample: WG2011107-2

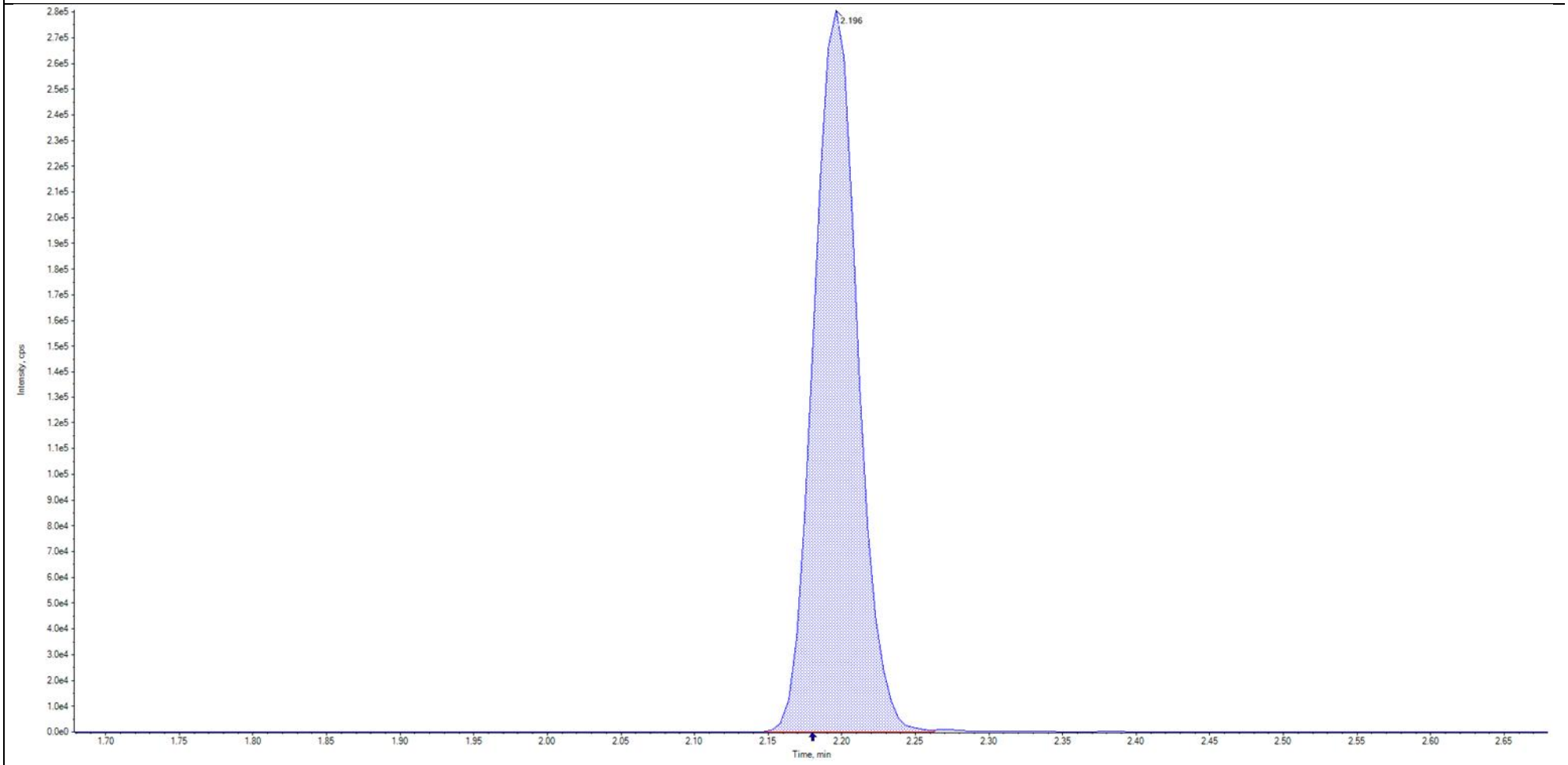


13C3-PFBA
Sample: WG2011107-2

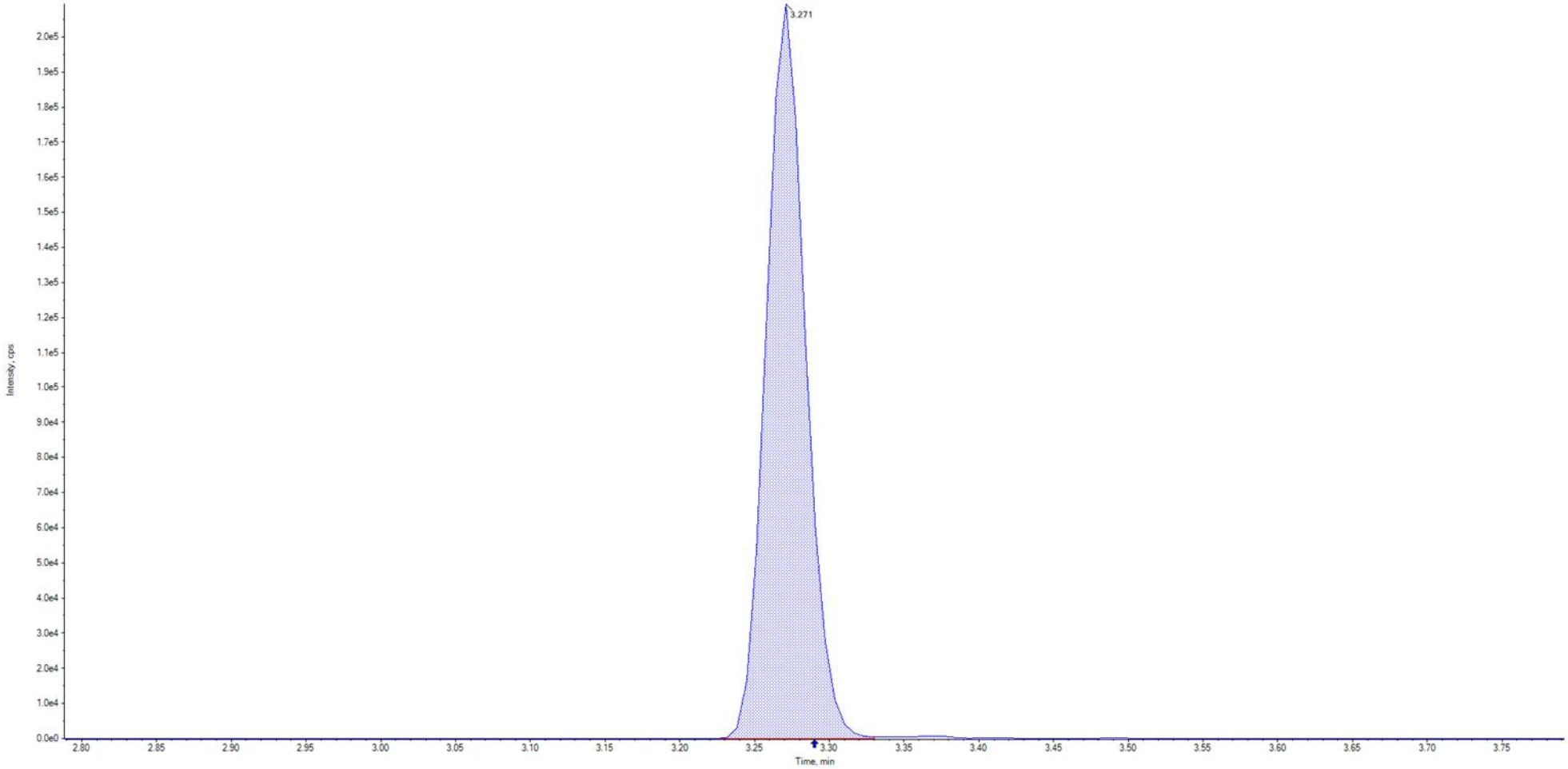


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

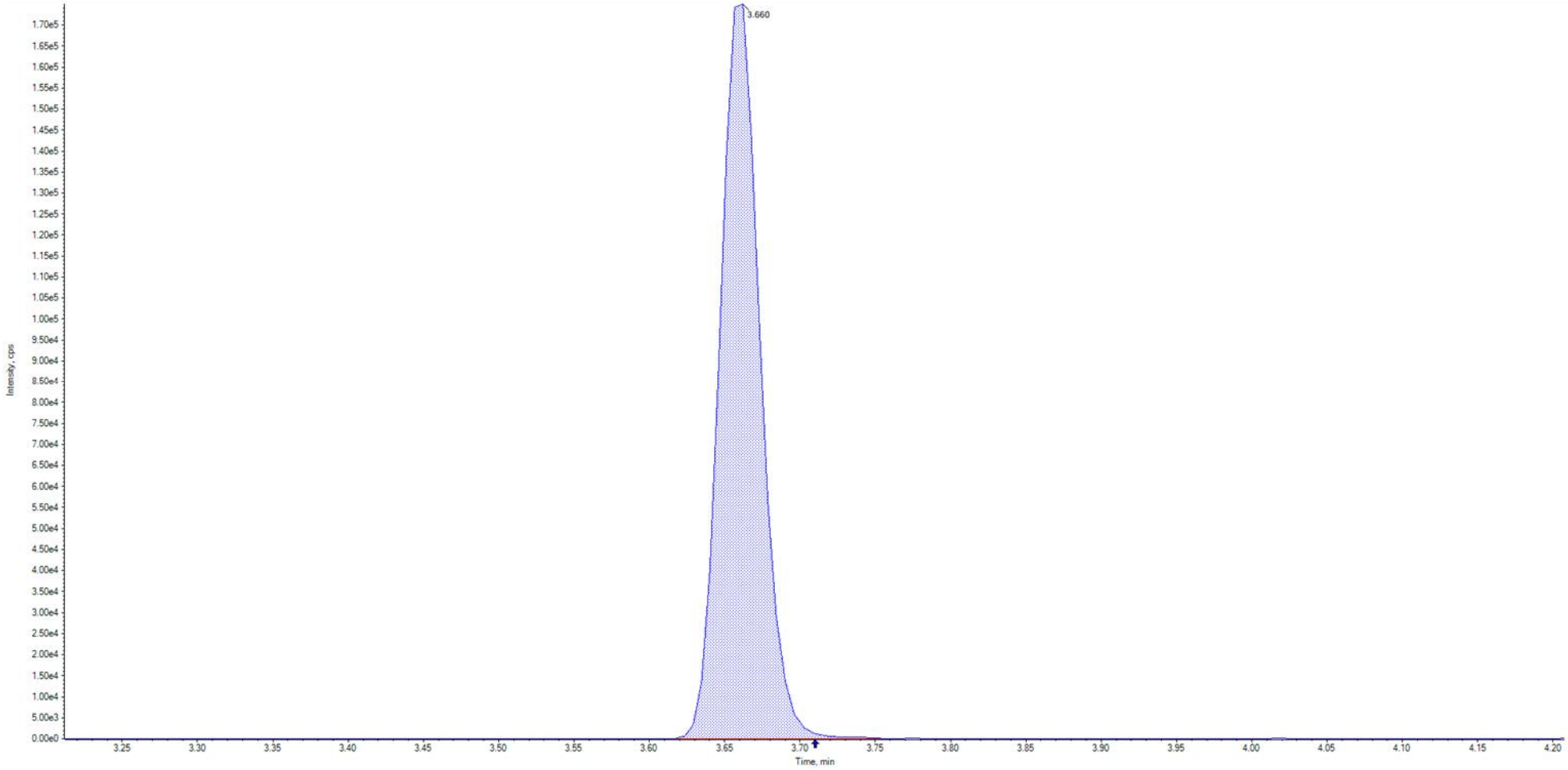
13C2-PFHxA
Sample: WG2011107-2



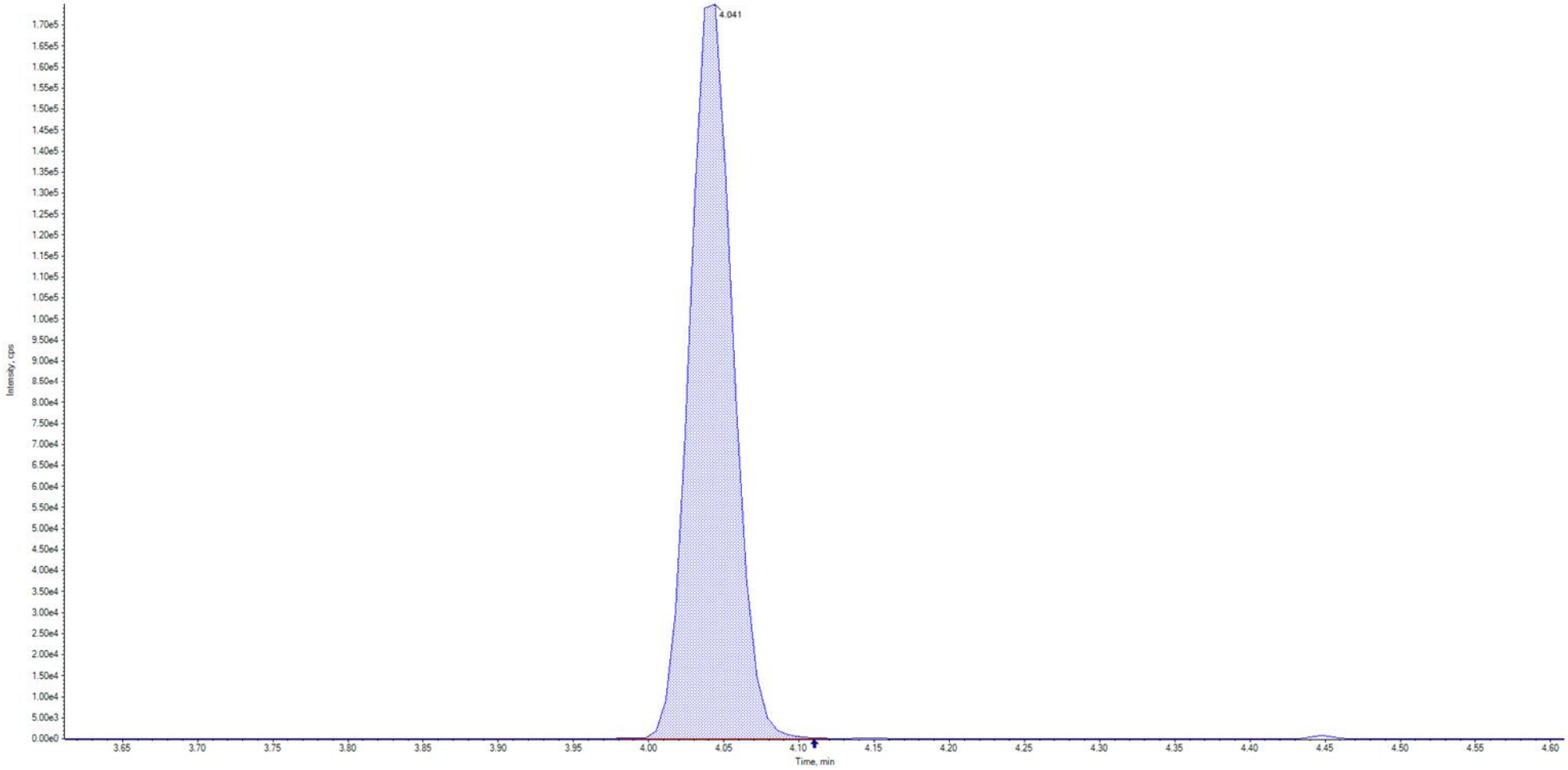
13C4-PFOA
Sample: WG2011107-2



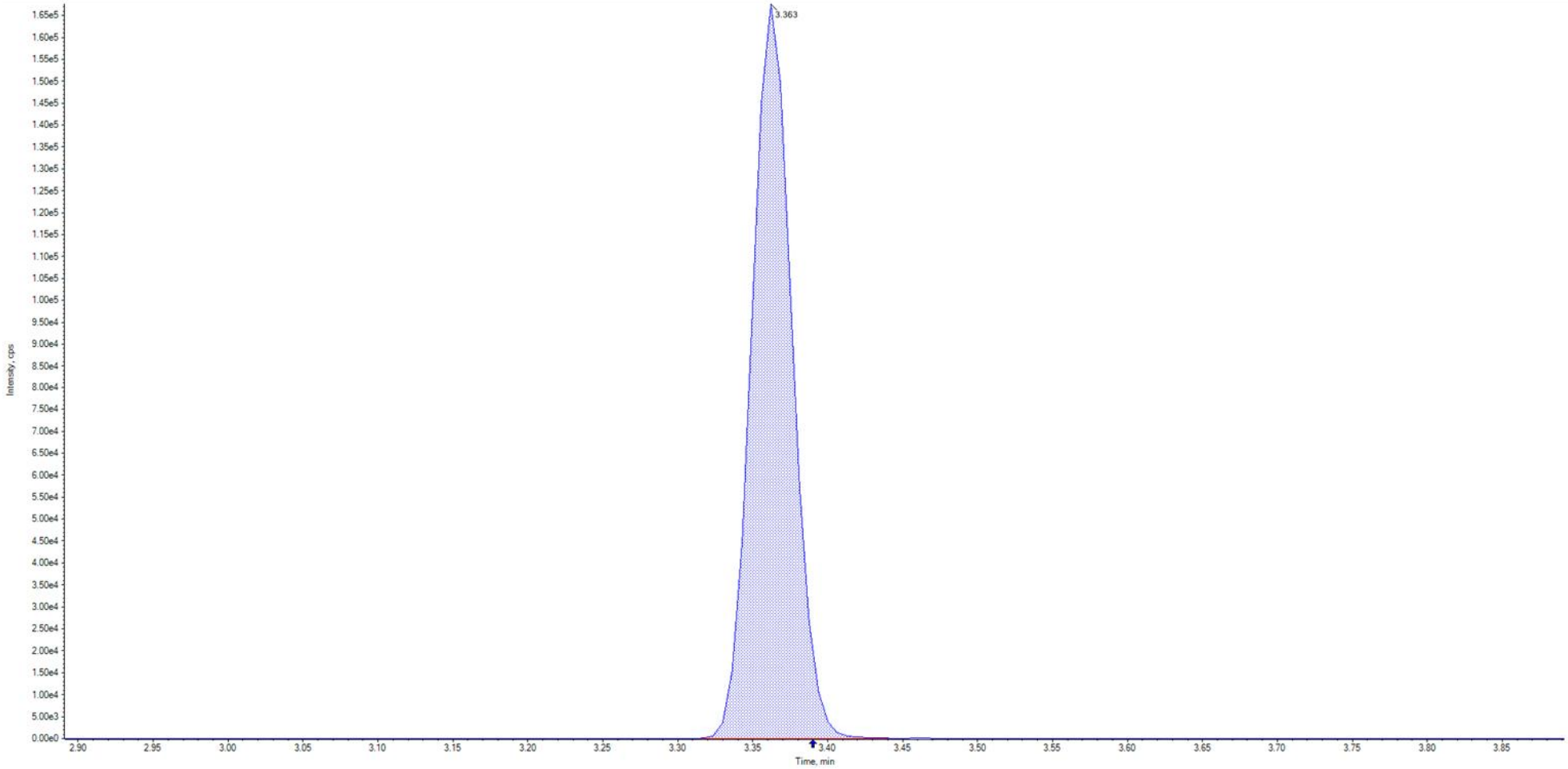
13C5-PFNA
Sample: WG2011107-2



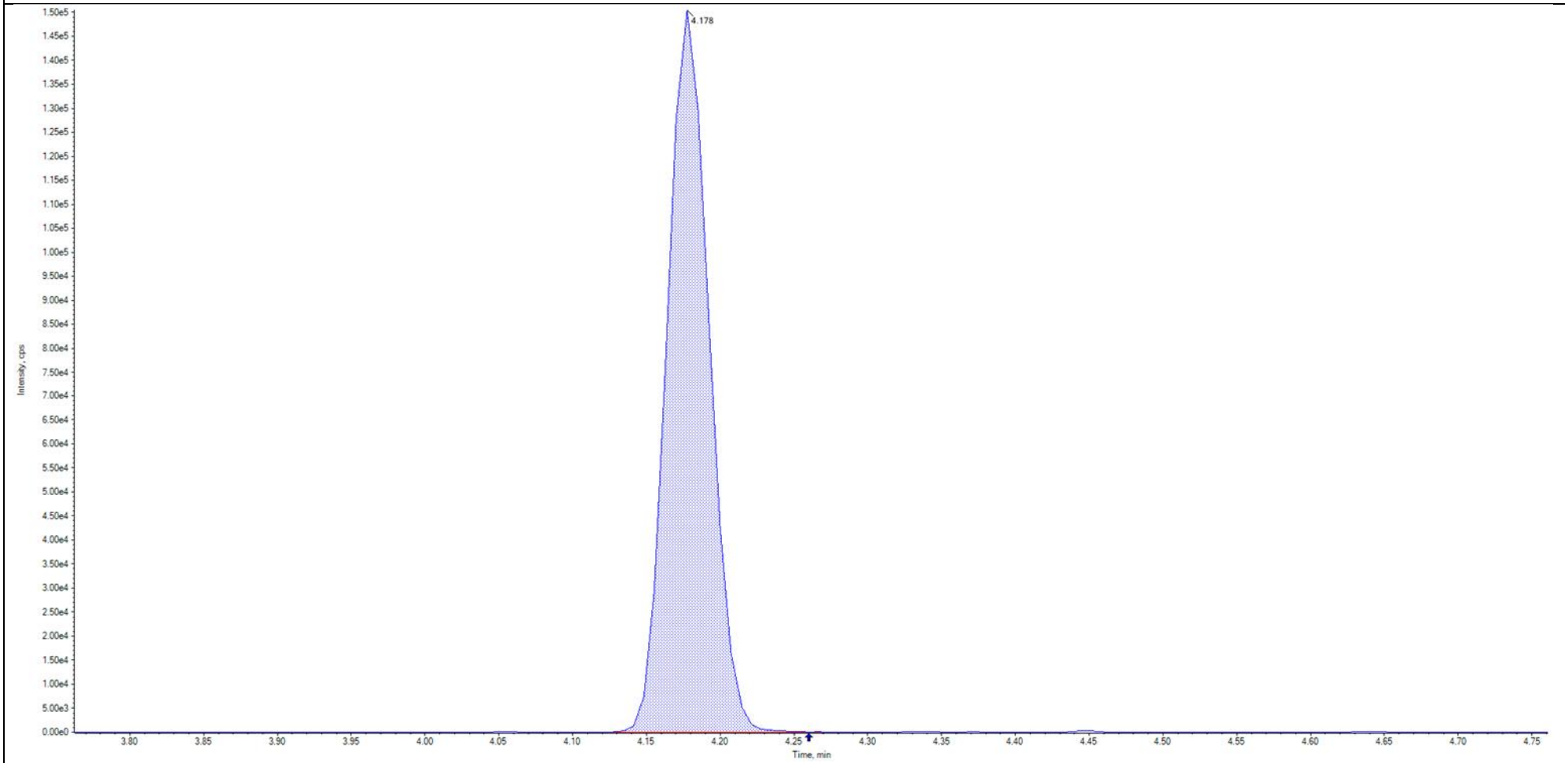
13C2-PFDA
Sample: WG2011107-2



18O2-PFHxS
Sample: WG2011107-2



13C4-PFOS
Sample: WG2011107-2



Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_68.wiff2_7
Last Altered: 12/19/2024 9:43:26 PM
Generated: 12/19/2024 2:27:31 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

Method: EPA1633F.qmethod
Calibration: 241115_EPA1633_ICAL

ID: WG2011107-3R
Name: SCI05_241219_96.wiff2
Date & Time: 2024-12-20T01:35:31
Description: WG2011094,WG2011107,ICAL21712
Instrument: SCIEX Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.67	213.0 / 169.0	1803990		11.652	N/A	N/A	N/A	116.5
2	PFPeA	2706-90-3	1.39	263.0 / 219.0	873292		6.214	0.007	N/A	N/A	124.3
3	PFPeA_2	2706-90-3	1.39	263.0 / 68.9	5995		5.748	0.007	N/A	N/A	115.0
4	PFHxA	307-24-4	2.20	313.0 / 269.0	641108		3.233	0.073	0.089	Pass	129.3
5	PFHxA_2	307-24-4	2.20	313.0 / 119.0	46651		3.187	0.073	0.089	Pass	127.5
6	PFHpA	375-85-9	2.84	363.1 / 319.0	633541		2.946	0.333	0.332	Pass	117.9
7	PFHpA_2	375-85-9	2.84	363.1 / 169.0	211065		3.062	0.333	0.332	Pass	122.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.28	413.1 / 369.1	648794	M5	2.740	0.380	0.369	Pass	109.6
9	PFOA_2	335-67-1	3.27	413.1 / 169.0	246553	M5	2.820	0.380	0.369	Pass	112.8
10	PFNA	375-95-1	3.66	462.8 / 418.9	587615	M5	2.861	0.305	0.303	Pass	114.4
11	PFNA_2	375-95-1	3.66	462.8 / 219.0	179401	M5	2.927	0.305	0.303	Pass	117.1
12	PFDA	335-76-2	4.04	513.1 / 469.1	550319		2.857	0.162	0.162	Pass	114.3
13	PFDA_2	335-76-2	4.04	513.1 / 219.0	89409		2.811	0.162	0.162	Pass	112.5
14	PFUnA	2058-94-8	4.42	563.1 / 519.1	388619		2.813	0.190	0.199	Pass	112.5
15	PFUnA_2	2058-94-8	4.42	563.1 / 269.0	74021		2.761	0.190	0.199	Pass	110.5
16	PFDoA	307-55-1	4.79	613.1 / 569.1	373647		3.087	0.179	0.180	Pass	123.5
17	PFDoA_2	307-55-1	4.79	613.1 / 319.0	67031		2.994	0.179	0.180	Pass	119.8
18	PFTrDA	72629-94-8	5.16	663.1 / 619.1	326220		2.718	0.158	0.160	Pass	108.7
19	PFTrDA_2	72629-94-8	5.16	663.1 / 169.0	51651		2.672	0.158	0.160	Pass	106.9
20	PFTeDA	376-06-7	5.52	713.1 / 669.1	313641		2.688	0.149	0.149	Pass	107.5
21	PFTeDA_2	376-06-7	5.52	713.1 / 169.0	46707		2.743	0.149	0.149	Pass	109.7
22	PFBS	375-73-5	2.19	299.1 / 80.1	362739		2.565	0.380	0.388	Pass	115.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.19	299.1 / 99.1	137742		2.451	0.380	0.388	Pass	110.4
24	PFPeS	2706-91-4	2.89	349.1 / 80.1	347399		2.575	0.292	0.297	Pass	109.6
25	PFPeS_2	2706-91-4	2.89	349.1 / 99.1	101601		2.594	0.292	0.297	Pass	110.4
26	PFHxS	355-46-4	3.37	399.1 / 80.1	303391	M5	2.494	0.306	0.296	Pass	109.4
27	PFHxS_2	355-46-4	3.37	399.1 / 99.1	92936		2.484	0.306	0.296	Pass	109.0
28	PFHpS	375-92-8	3.78	449.1 / 80.1	310748		2.618	0.270	0.258	Pass	110.0
29	PFHpS_2	375-92-8	3.78	449.1 / 99.1	83848		2.685	0.270	0.258	Pass	112.8
30	PFOS	1763-23-1	4.18	499.1 / 80.1	323184	M5	2.468	0.234	0.233	Pass	106.4
31	PFOS_2	1763-23-1	4.18	499.1 / 99.1	75615	M5	2.588	0.234	0.233	Pass	111.6
32	PFNS	68259-12-1	4.57	549.1 / 80.1	222945		2.586	0.283	0.296	Pass	107.8
33	PFNS_2	68259-12-1	4.57	549.1 / 99.1	63104		2.500	0.283	0.296	Pass	104.2
34	PFDS	335-77-3	4.95	599.1 / 80.1	180218		2.125	0.278	0.272	Pass	88.2
35	PFDS_2	335-77-3	4.95	599.1 / 99.1	50024		2.106	0.278	0.272	Pass	87.4
36	PFDoS	79780-39-5	5.67	699.2 / 80.1	164683		2.119	0.254	0.263	Pass	87.6
37	PFDoS_2	79780-39-5	5.67	699.2 / 99.1	41772		2.048	0.254	0.263	Pass	84.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.98	327.1 / 307.1	455096		10.622	0.560	0.559	Pass	113.4
39	4:2FTS_2	757124-72-4	1.98	327.1 / 81.1	254759		10.535	0.560	0.559	Pass	112.4
40	6:2FTS	27619-97-2	3.11	427.2 / 407.2	380494		13.881	0.578	0.593	Pass	146.0
41	6:2FTS_2	27619-97-2	3.11	427.2 / 81.1	219975		12.930	0.578	0.593	Pass	136.0
42	8:2FTS	39108-34-4	3.87	527.2 / 507.2	218974		11.353	0.803	0.759	Pass	118.3
43	8:2FTS_2	39108-34-4	3.87	527.2 / 81.1	175832		12.277	0.803	0.759	Pass	127.9
44	PFOSA	754-91-6	5.28	498.1 / 78.1	348196	M5	2.712	0.026	0.023	Pass	108.5
45	PFOSA_2	754-91-6	5.27	498.1 / 478.0	9009	M5	2.964	0.026	0.023	Pass	118.6
46	NMeFOSA	31506-32-8	5.99	512.2 / 219.0	47506	M5	2.499	1.514	1.457	Pass	100.0
47	NMeFOSA_2	31506-32-8	5.94	512.2 / 169.0	71907		2.605	1.514	1.457	Pass	104.2
48	NEtFOSA	4151-50-2	6.28	526.2 / 219.0	53674	M5	2.665	1.295	1.309	Pass	106.6
49	NEtFOSA_2	4151-50-2	6.24	526.2 / 169.0	69494		2.630	1.295	1.309	Pass	105.2
50	NMeFOSAA	2355-31-9	4.14	570.2 / 419.1	93638	M5	2.584	0.667	0.804	Pass	103.4
51	NMeFOSAA_2	2355-31-9	4.14	570.2 / 483.0	62470		2.258	0.667	0.804	Pass	90.3
52	NEtFOSAA	2991-50-6	4.34	584.2 / 419.1	54344	M5	2.666	0.449	0.419	Pass	106.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.34	584.2 / 526.2	24408	M5	2.717	0.449	0.419	Pass	108.7
54	NMeFOSE	24448-09-7	5.86	616.1 / 58.9	1883027	M5	27.344	N/A	N/A	N/A	109.4
55	NEtFOSE	1691-99-2	6.15	630.0 / 58.9	3079197		27.426	N/A	N/A	N/A	109.7
56	HFPO-DA	13252-13-6	2.45	285.0 / 169.0	1139215		11.224	0.678	0.685	Pass	112.2
57	HFPO-DA_2	13252-13-6	2.45	285.0 / 184.9	772694		11.630	0.678	0.685	Pass	116.3
58	ADONA	919005-14-4	3.01	376.9 / 251.0	1824412		9.847	1.179	0.884	Pass	104.2
59	ADONA_2	919005-14-4	3.01	376.9 / 84.8	2151786		11.546	1.179	0.884	Pass	122.2
60	9Cl-PF3ONS	756426-58-1	4.45	530.8 / 351.1	3112942		11.021	0.327	0.325	Pass	118.1
61	9Cl-PF3ONS_2	756426-58-1	4.45	532.8 / 353.0	1016442		11.035	0.327	0.325	Pass	118.3
62	11Cl-PF3OUdS	763051-92-9	5.20	630.9 / 451.0	1696255		9.130	0.330	0.338	Pass	96.8
63	11Cl-PF3OUdS_2	763051-92-9	5.20	632.9 / 452.9	560236		8.595	0.330	0.338	Pass	91.1
64	3:3FTCA	356-02-5	1.86	241.1 / 177.1	129638		16.292	1.466	1.433	Pass	130.3
65	3:3FTCA_2	356-02-5	1.86	241.1 / 117.0	190095		15.533	1.466	1.433	Pass	124.3
66	5:3FTCA	914637-49-3	3.28	341.1 / 237.1	3260744		69.616	0.910	0.935	Pass	111.4
67	5:3FTCA_2	914637-49-3	3.28	341.1 / 217.0	2968858		68.483	0.910	0.935	Pass	109.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.18	441.1 / 316.9	1317996		42.286	1.819	1.712	Pass	67.7
69	7:3FTCA_2	812-70-4	4.18	441.1 / 337.1	2396782		48.929	1.819	1.712	Pass	78.3
70	PFEESA	113507-82-7	2.55	315.1 / 135.0	2143771		5.486	0.086	0.084	Pass	123.0
71	PFEESA_2	113507-82-7	2.55	315.1 / 82.9	183320		5.504	0.086	0.084	Pass	123.4
72	PFMPA	377-73-1	0.86	229.0 / 85.0	1112355		5.363	N/A	N/A	N/A	107.3
73	PFMBA	863090-89-5	1.69	279.0 / 85.0	1182322		5.814	N/A	N/A	N/A	116.3
74	NFDHA	151772-58-6	2.12	295.0 / 201.0	529111		7.837	0.759	0.781	Pass	156.8
75	NFDHA_2	151772-58-6	2.12	295.0 / 84.9	401702		7.746	0.759	0.781	Pass	154.9
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.150	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.150	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.67	217.0 / 172.0	1835631		8.773	NA	NA	NA	87.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.39	268.0 / 223.0	811755		4.380	NA	NA	NA	87.6
	13C5-PFHxA	EIS	2.20	318.0 / 273.0	323455		2.031	NA	NA	NA	81.2
	13C4-PFHpA	EIS	2.84	367.0 / 322.0	225734		2.064	NA	NA	NA	82.6
	13C8-PFOA	EIS	3.27	420.8 / 376.0	813720		2.199	NA	NA	NA	88.0
	13C9-PFNA	EIS	3.66	472.0 / 427.0	303158		1.125	NA	NA	NA	90.0
	13C6-PFDA	EIS	4.04	519.0 / 474.0	294294		1.052	NA	NA	NA	84.1
	13C7-PFUnA	EIS	4.42	570.0 / 525.0	224123		0.928	NA	NA	NA	74.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.79	615.1 / 570.0	158554		0.788	NA	NA	NA	63.0
	13C2-PFTeDA	EIS	5.52	715.1 / 670.1	130227		0.723	NA	NA	NA	57.8
	13C3-PFBS	EIS	2.18	302.1 / 80.1	344267		2.083	NA	NA	NA	89.4
	13C3-PFHxS	EIS	3.36	402.1 / 80.1	288926		2.017	NA	NA	NA	85.1
	13C8-PFOS	EIS	4.18	507.1 / 80.1	316111		2.087	NA	NA	NA	86.9
	13C2-4:2FTS	EIS	1.98	329.1 / 81.1	109494		3.993	NA	NA	NA	85.1
	13C2-6:2FTS	EIS	3.11	429.2 / 81.1	83061		3.278	NA	NA	NA	68.9
	13C2-8:2FTS	EIS	3.87	529.2 / 81.1	83807		3.681	NA	NA	NA	76.7

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.27	506.1 / 78.1	465273		1.927	NA	NA	NA	77.1
d3-NMeFOSA	EIS	5.98	515.2 / 219.0	46237		1.302	NA	NA	NA	52.1
d5-NEtFOSA	EIS	6.26	531.2 / 219.0	46637		1.409	NA	NA	NA	56.4
d3-NMeFOSAA	EIS	4.14	573.2 / 419.1	247219		6.614	NA	NA	NA	132.3
d5-NEtFOSAA	EIS	4.33	589.3 / 419.1	105633		2.938	NA	NA	NA	58.8
d7-NMeFOSE	EIS	5.84	623.2 / 58.9	666428		15.873	NA	NA	NA	63.5
d9-NEtFOSE	EIS	6.12	639.2 / 58.9	980089		16.110	NA	NA	NA	64.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.45	287.0 / 169.0	1098932		9.469	NA	NA	NA	94.7
	13C3-PFBA	NIS	0.67	216.0 / 172.0	930739		4.705	NA	NA	NA	94.1
	13C2-PFHxA	NIS	2.20	315.0 / 270.0	556877		2.118	NA	NA	NA	84.7
	13C4-PFOA	NIS	3.27	417.0 / 372.0	364379		2.103	NA	NA	NA	84.1
	13C5-PFNA	NIS	3.66	468.0 / 423.0	303928		0.977	NA	NA	NA	78.1
	13C2-PFDA	NIS	4.04	515.1 / 470.1	325361		1.027	NA	NA	NA	82.2
	18O2-PFHxS	NIS	3.36	403.1 / 84.1	290104		2.052	NA	NA	NA	86.6
	13C4-PFOS	NIS	4.17	503.1 / 80.1	263084		2.125	NA	NA	NA	88.6

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

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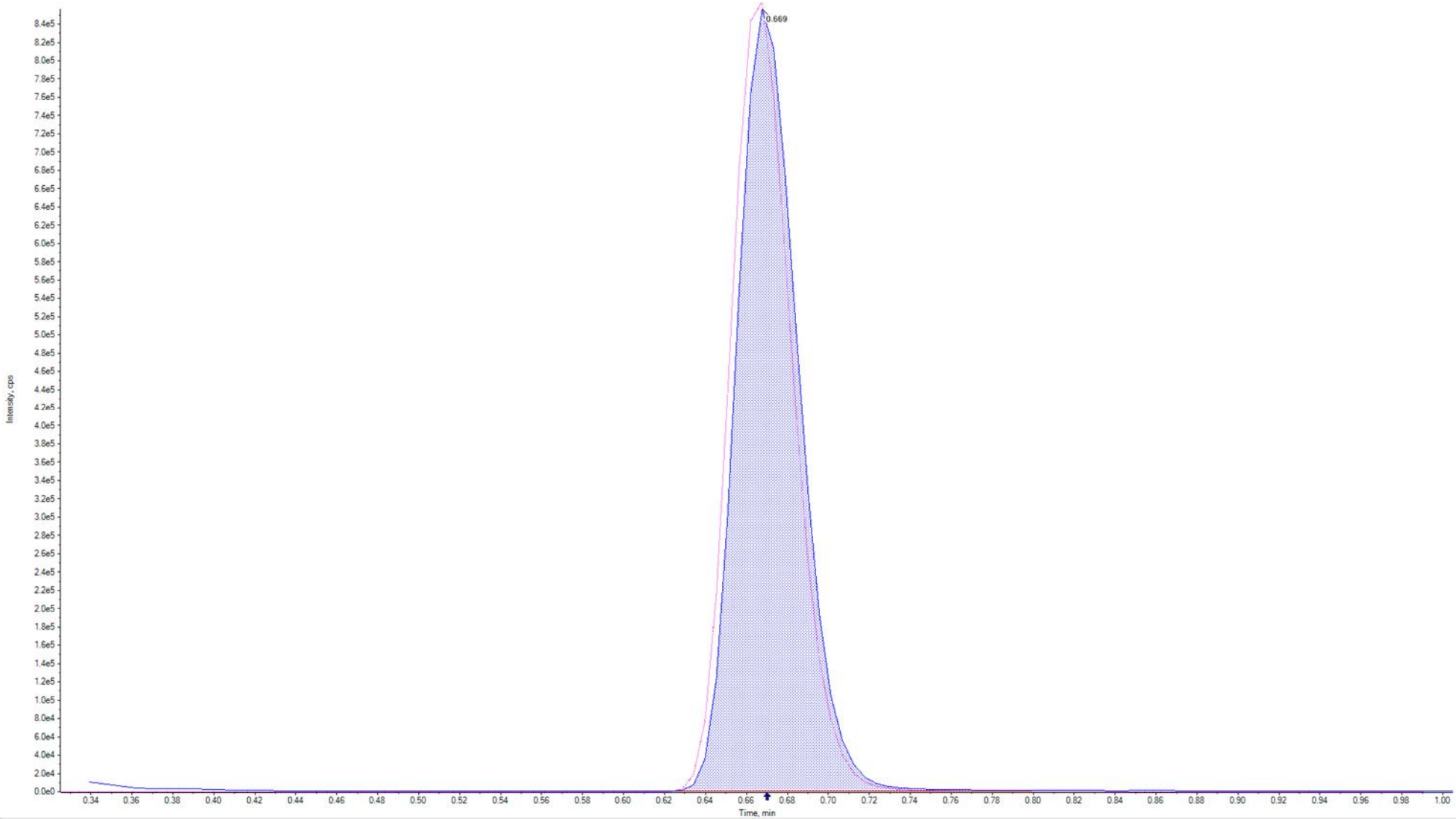
PFBA
Sample: WG2011107-3R S/N:1503.6 Points Across peak:42



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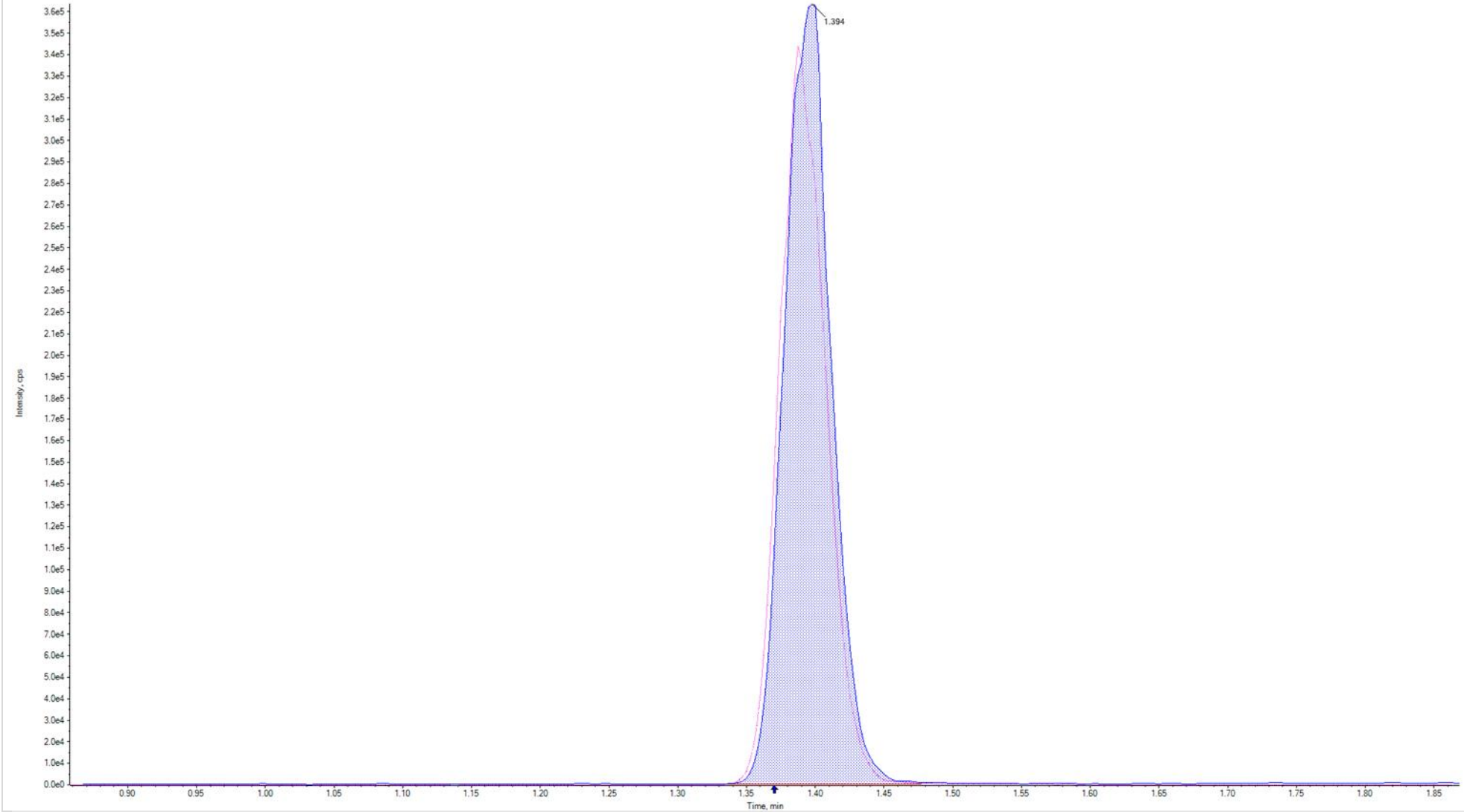
PFPeA
Sample: WG2011107-3R S/N:4637.7 Points Across peak:54



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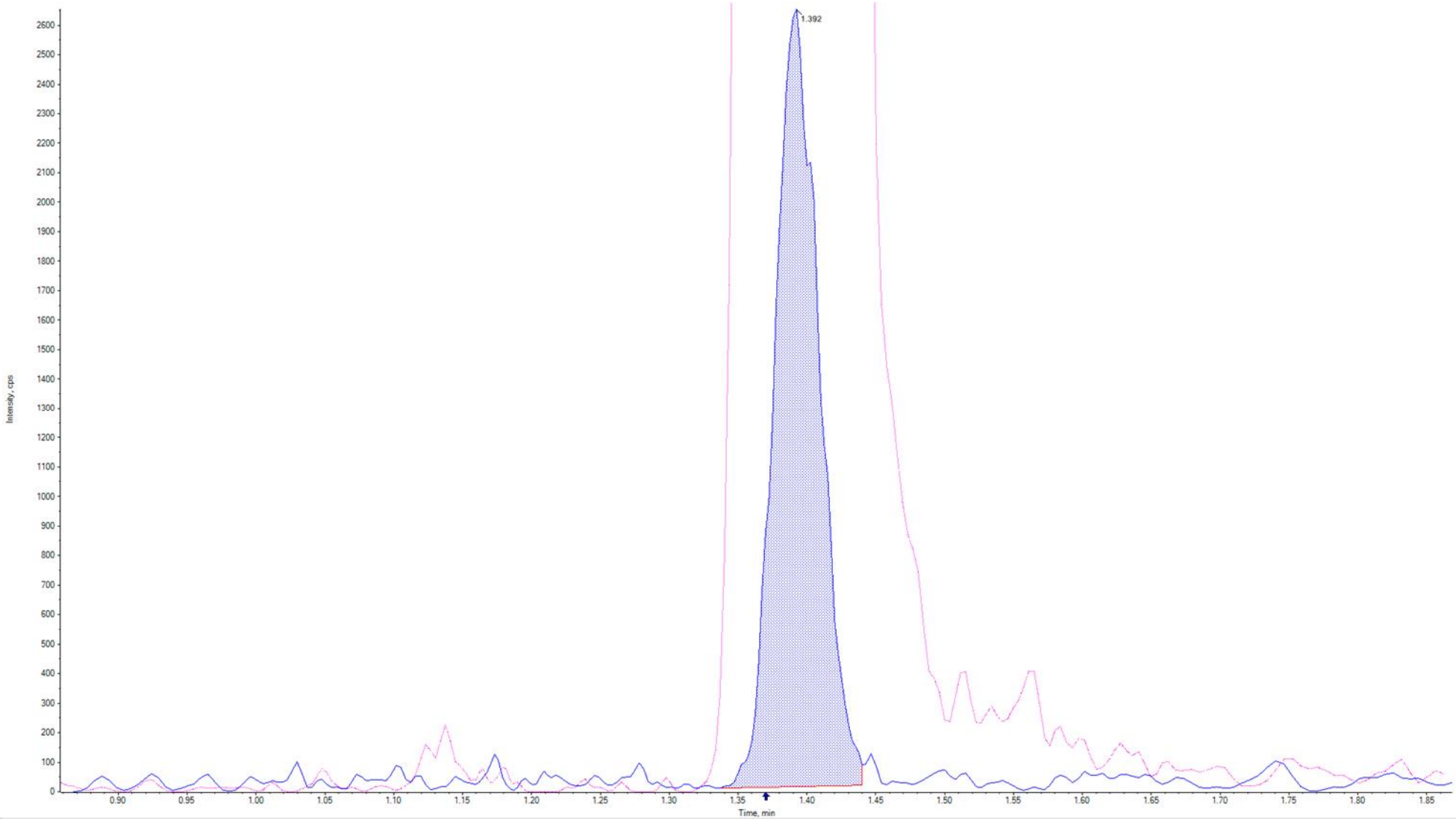
PFPeA_2
Sample: WG2011107-3R S/N:158.6 Points Across peak:41



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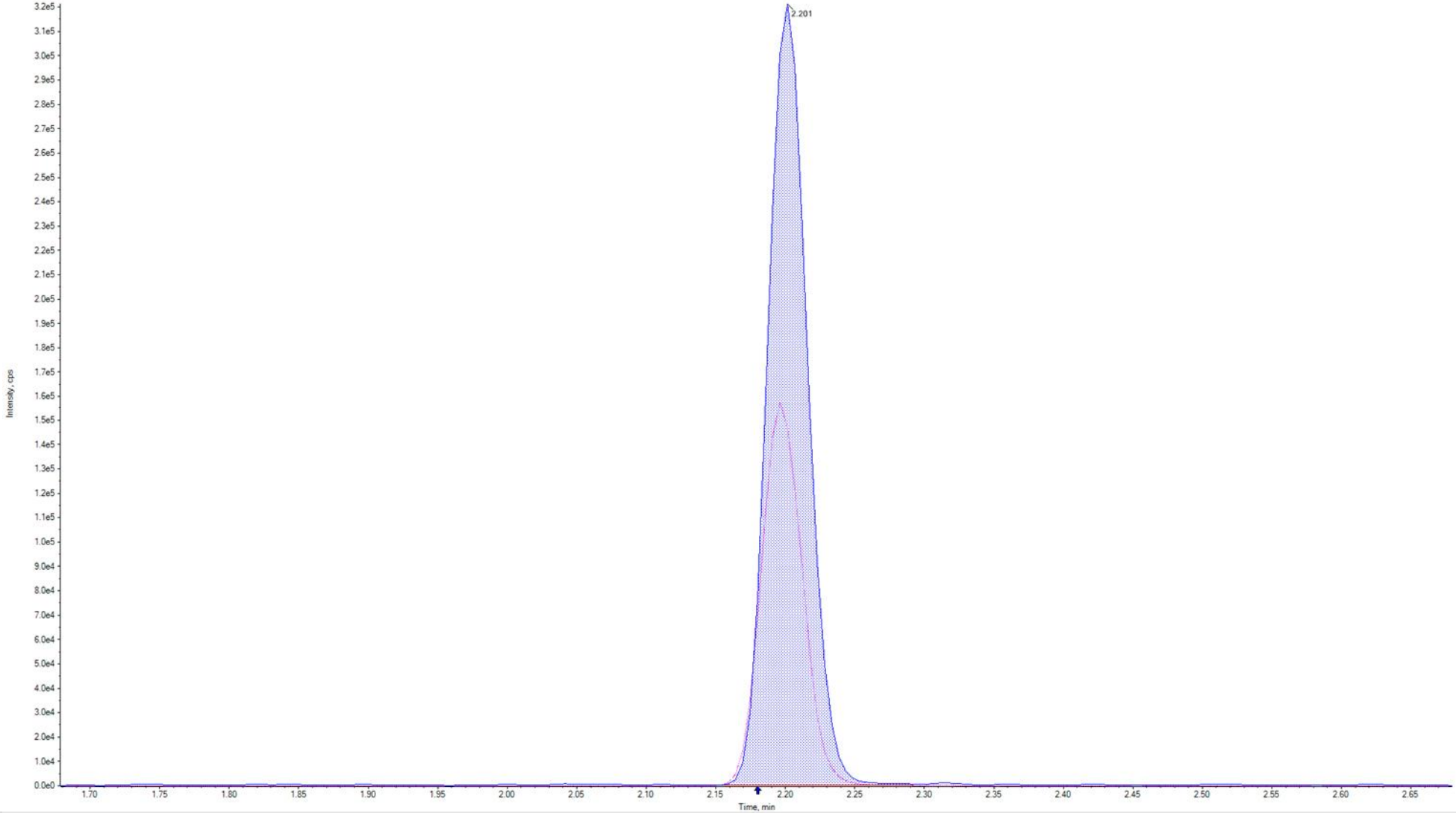
PFHxA
Sample: WG2011107-3R S/N:3519.4 Points Across peak:28



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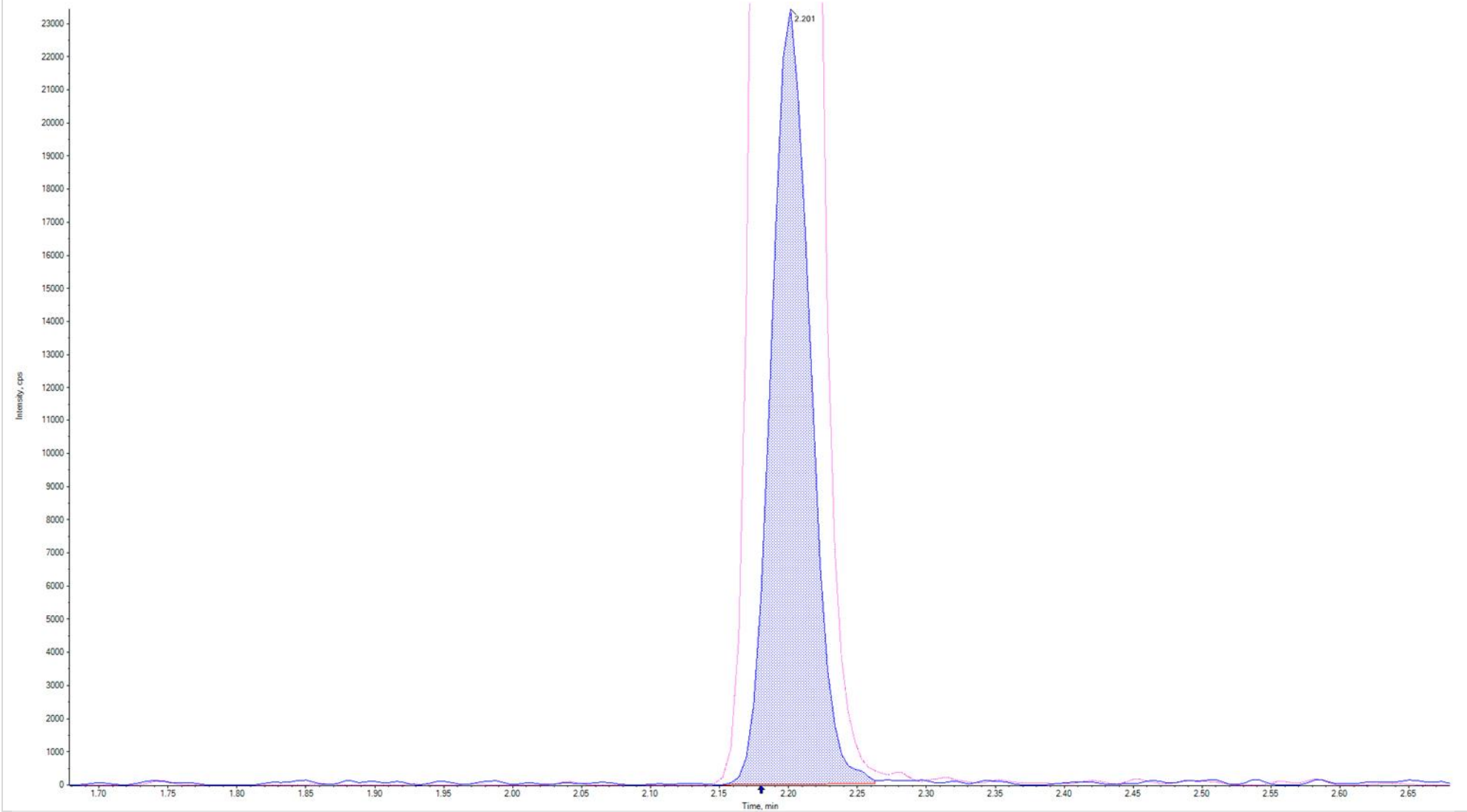
PFHxA_2
Sample: WG2011107-3R S/N:586.9 Points Across peak:23



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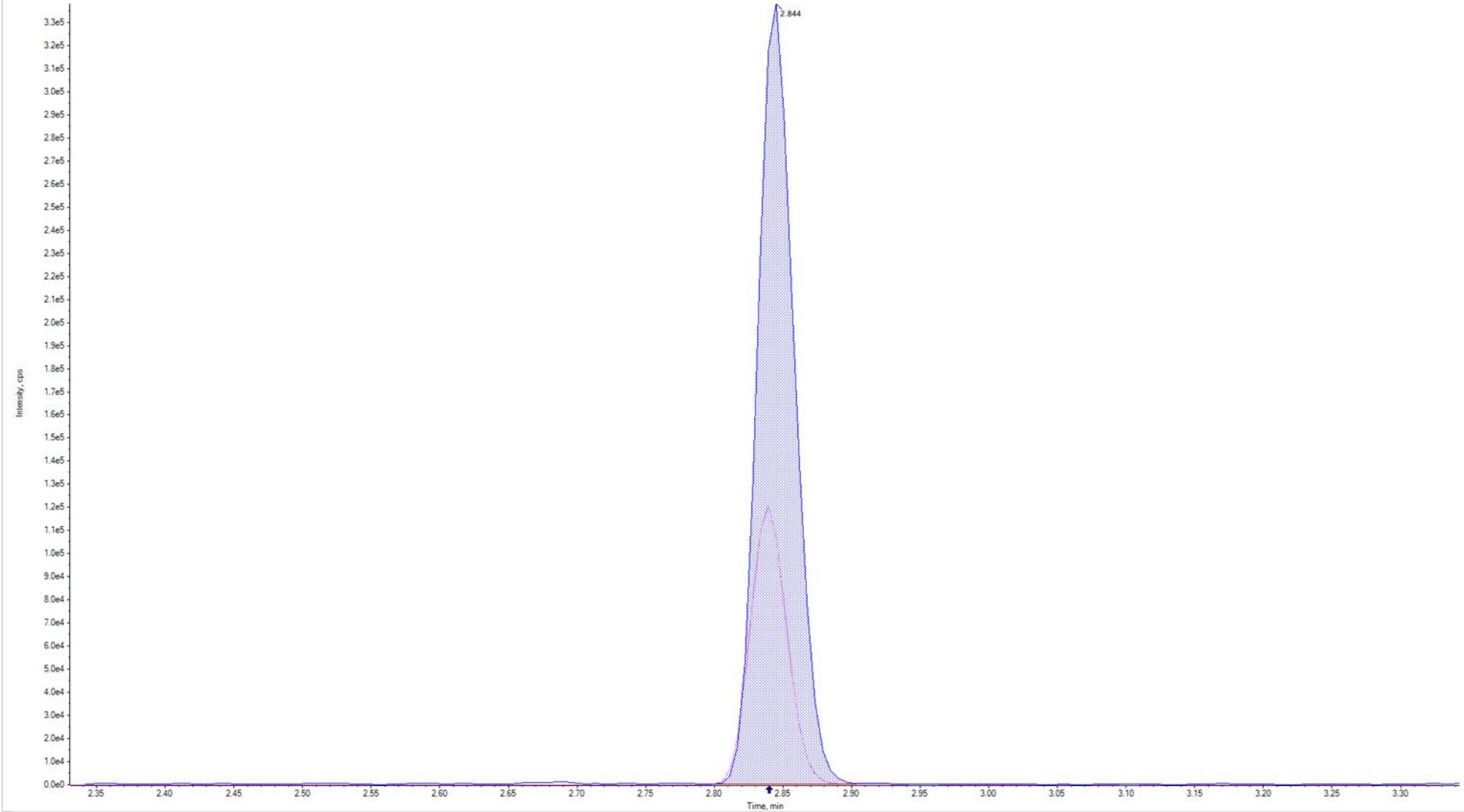
PFHpA
Sample: WG2011107-3R S/N:2939.3 Points Across peak:20



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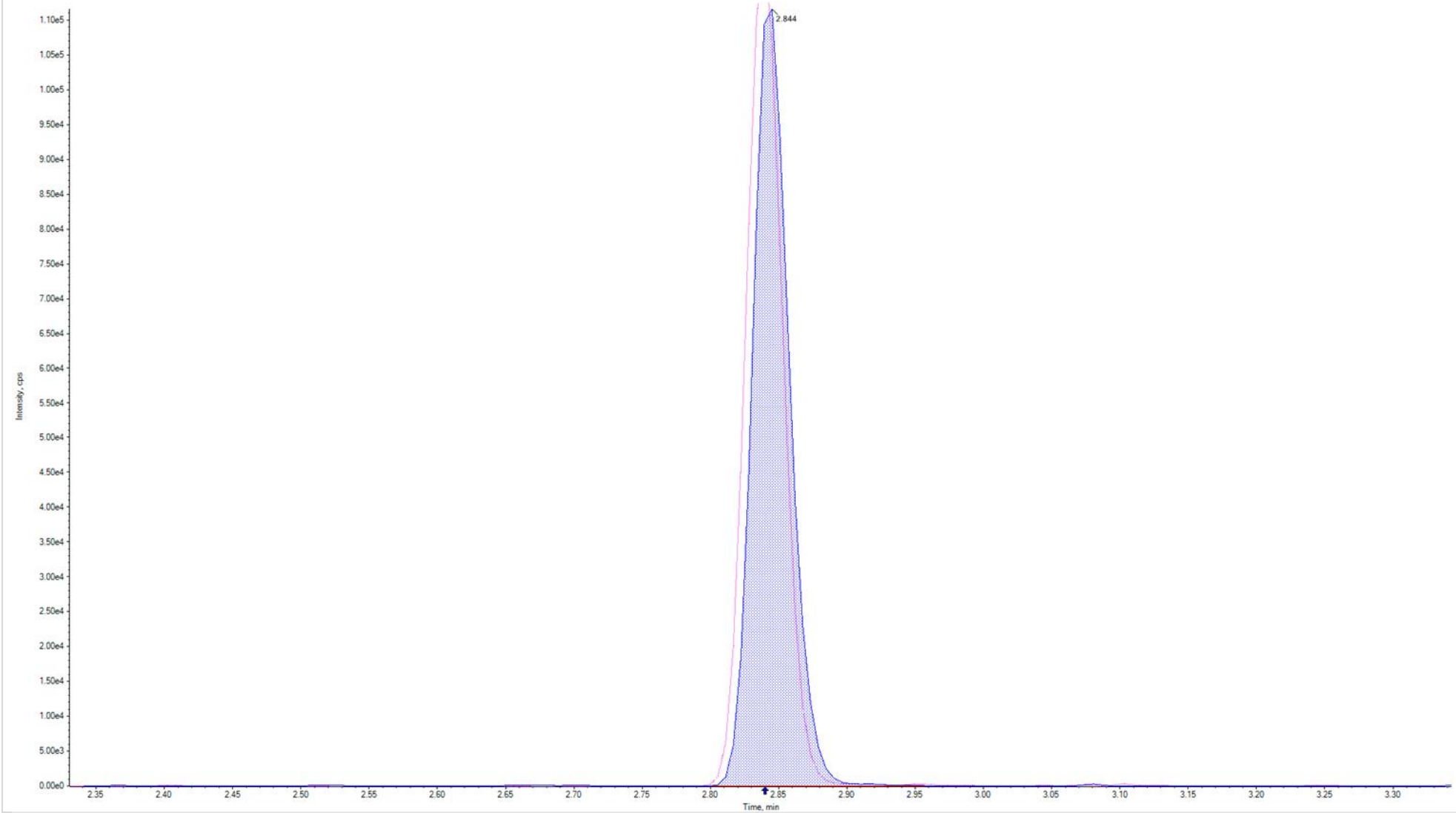
PFHpA_2
Sample: WG2011107-3R S/N:2237.6 Points Across peak:39



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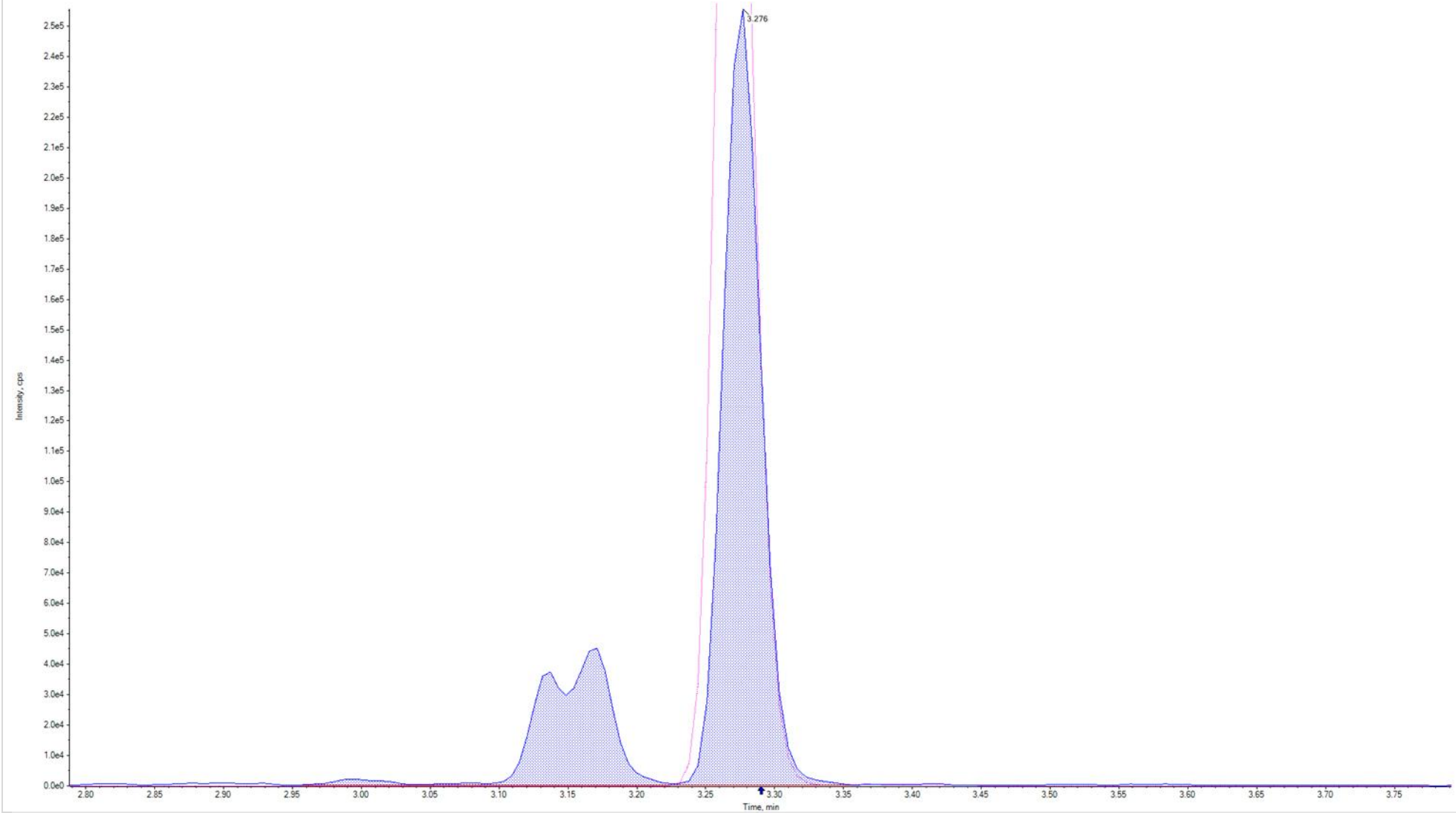
PFOA
Sample: WG2011107-3R S/N:444.0 Points Across peak:69



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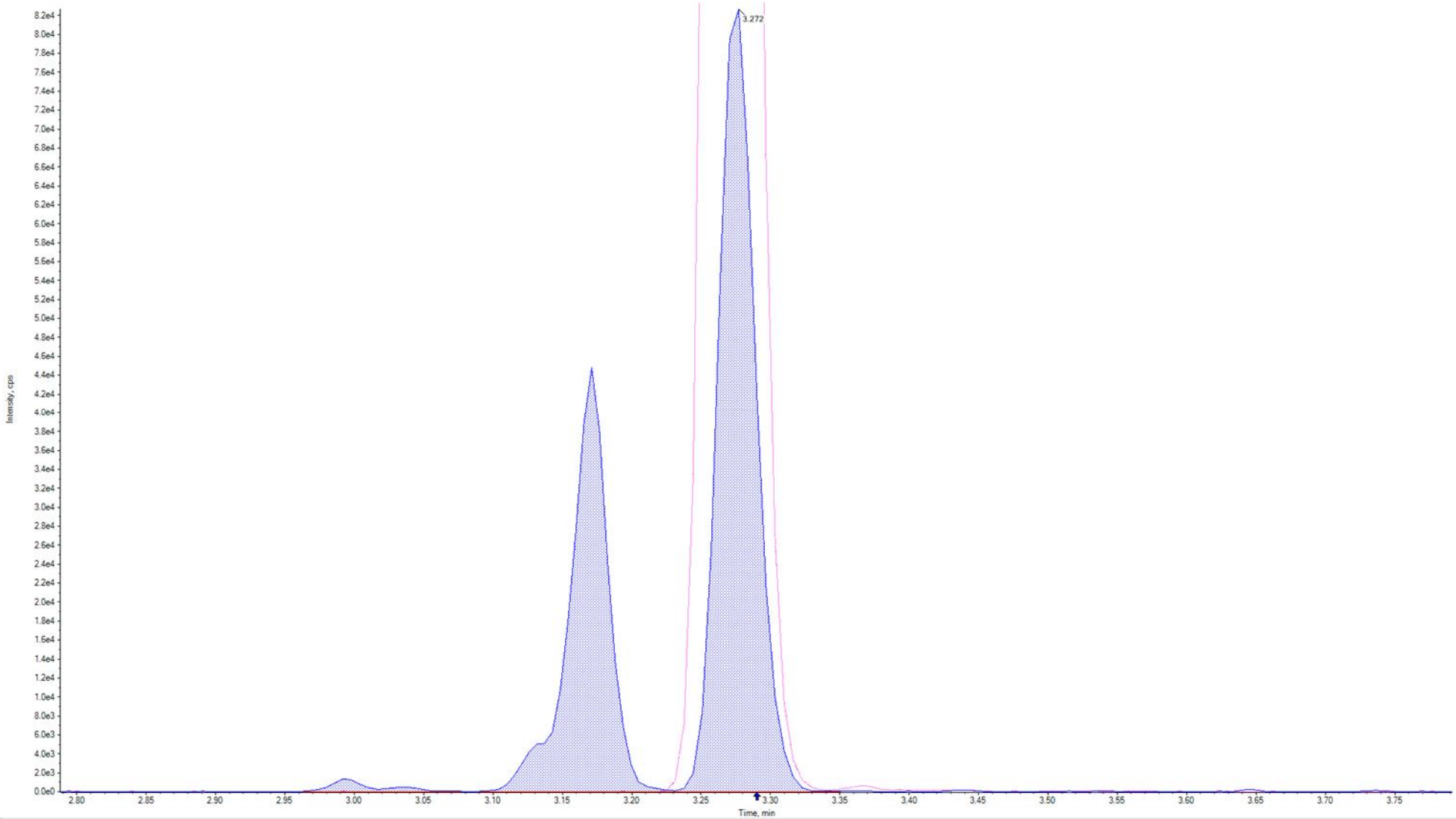
PFOA_2
Sample: WG2011107-3R S/N:490.0 Points Across peak:67



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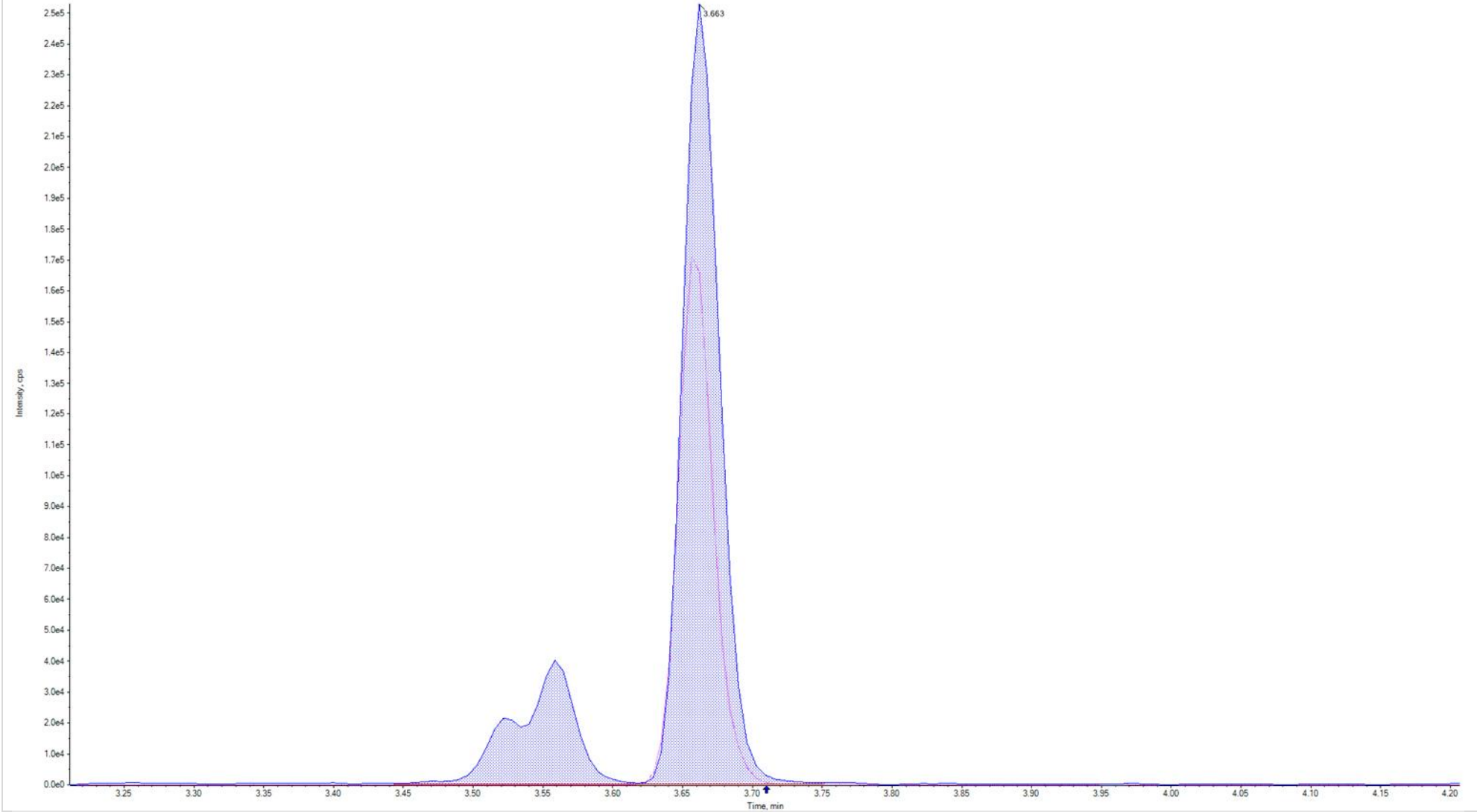
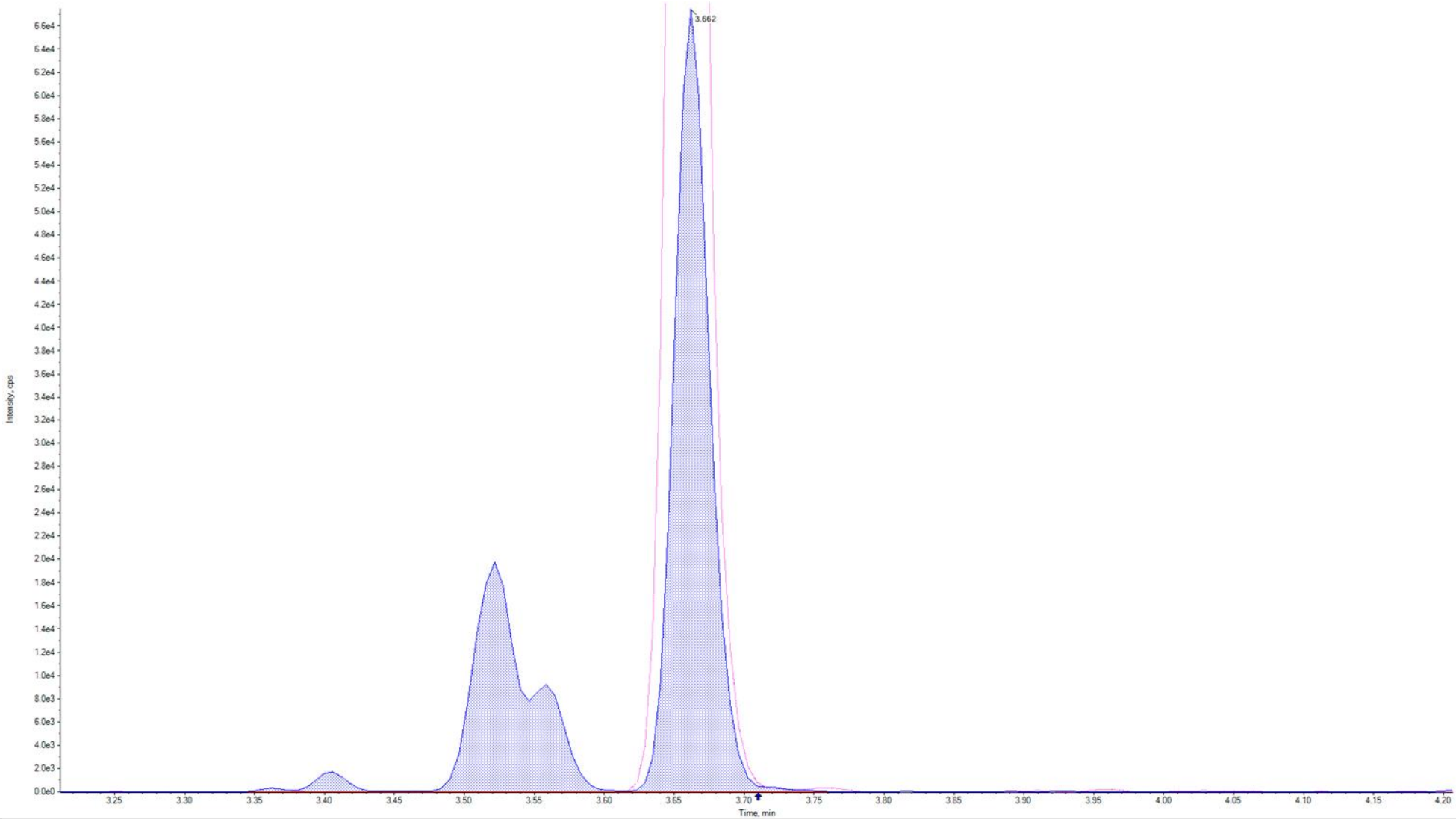
PFNA
Sample: WG2011107-3R S/N:565.0 Points Across peak:53



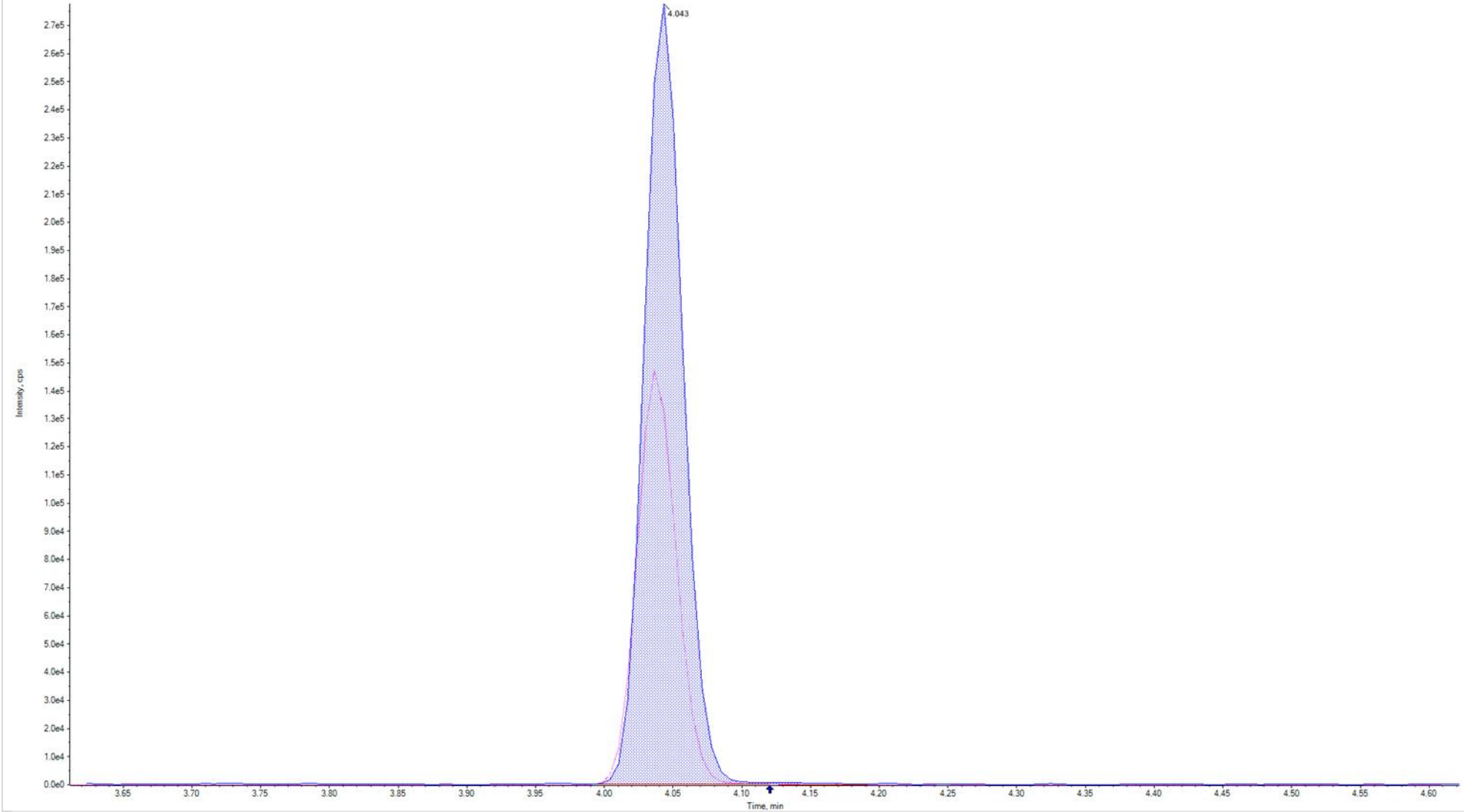
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFNA_2
Sample: WG2011107-3R S/N:466.9 Points Across peak:71



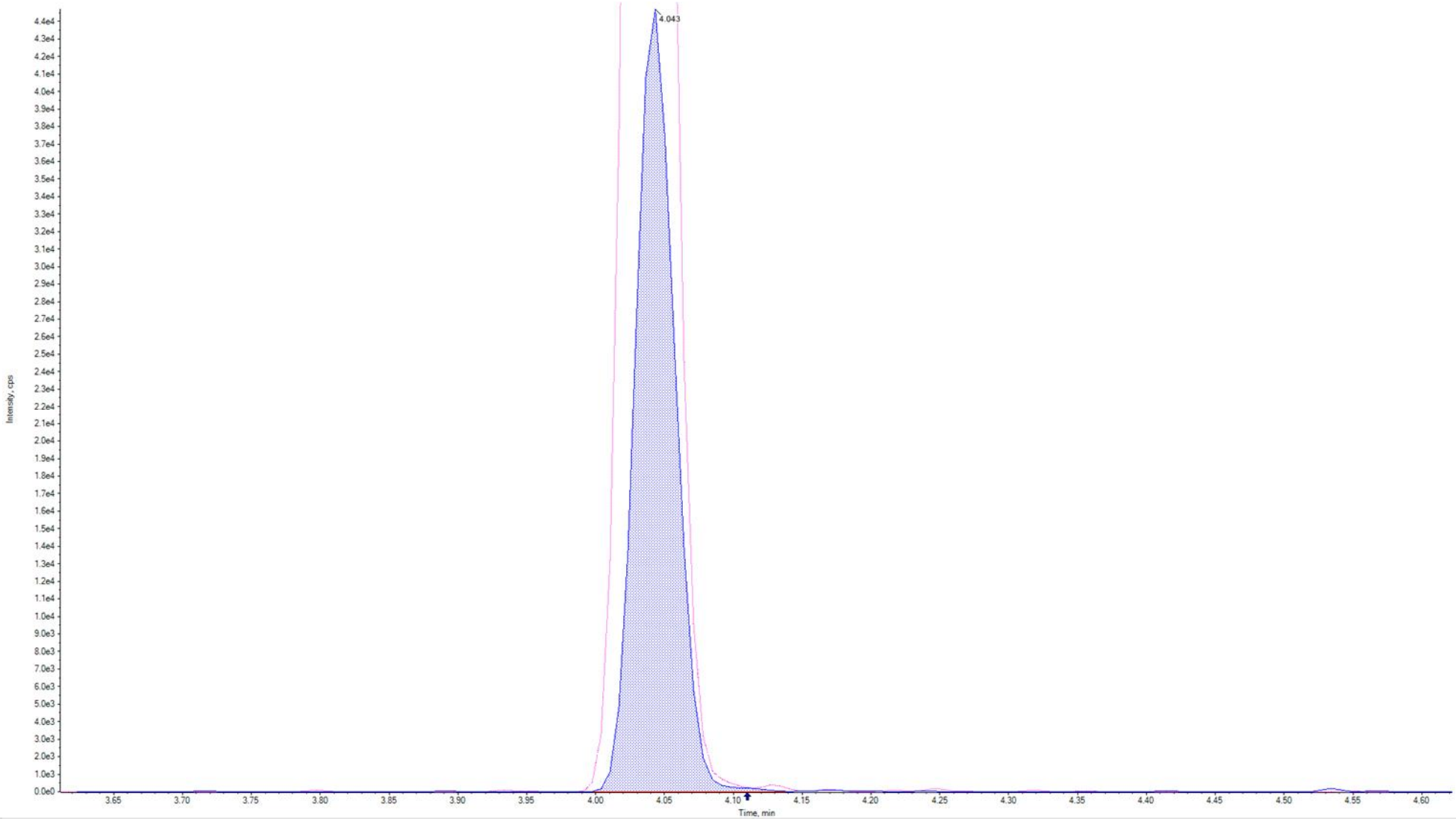
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFDA
Sample: WG2011107-3R S/N:2950.1 Points Across peak:31



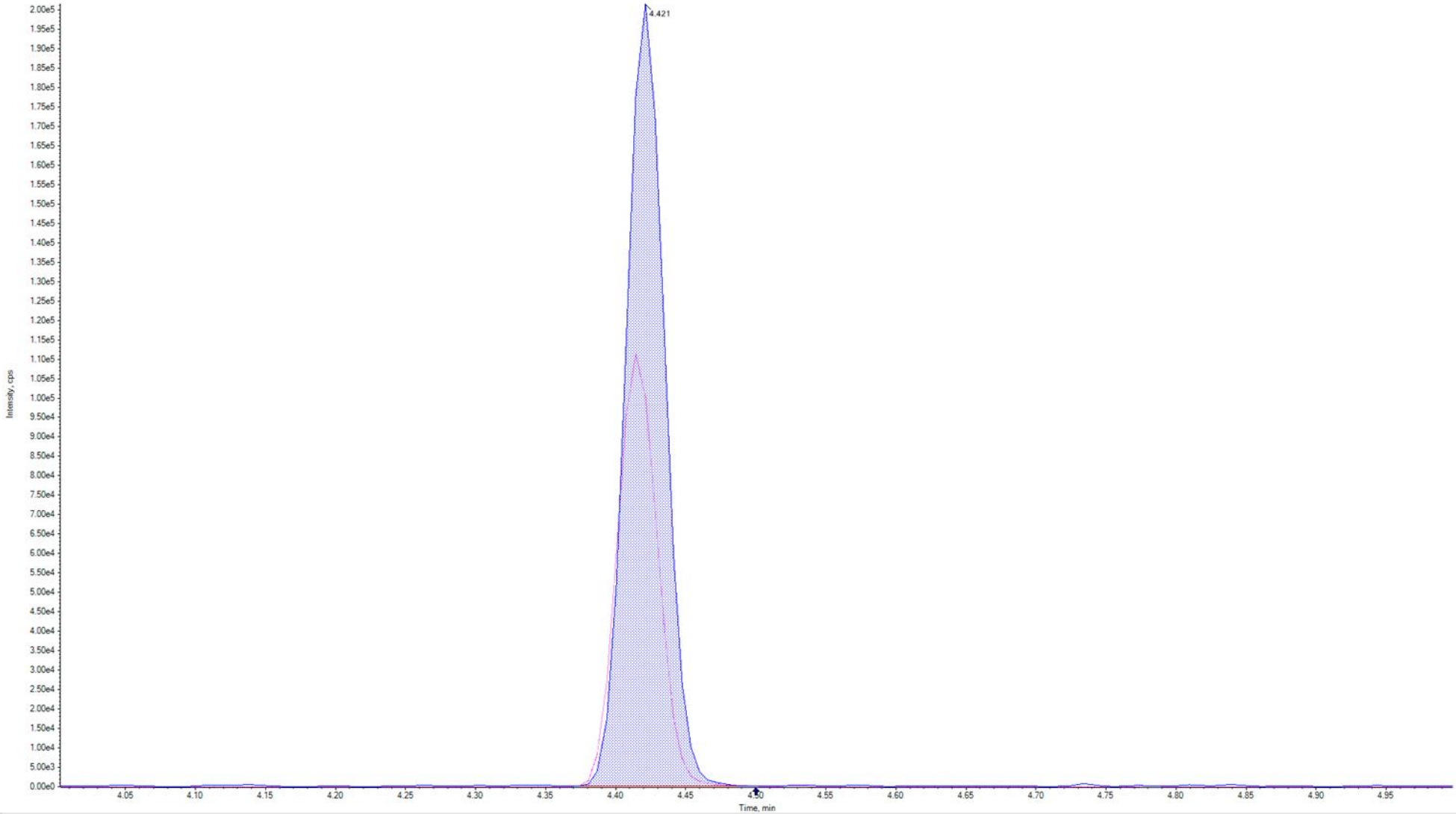
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFDA_2
Sample: WG2011107-3R S/N:896.4 Points Across peak:28



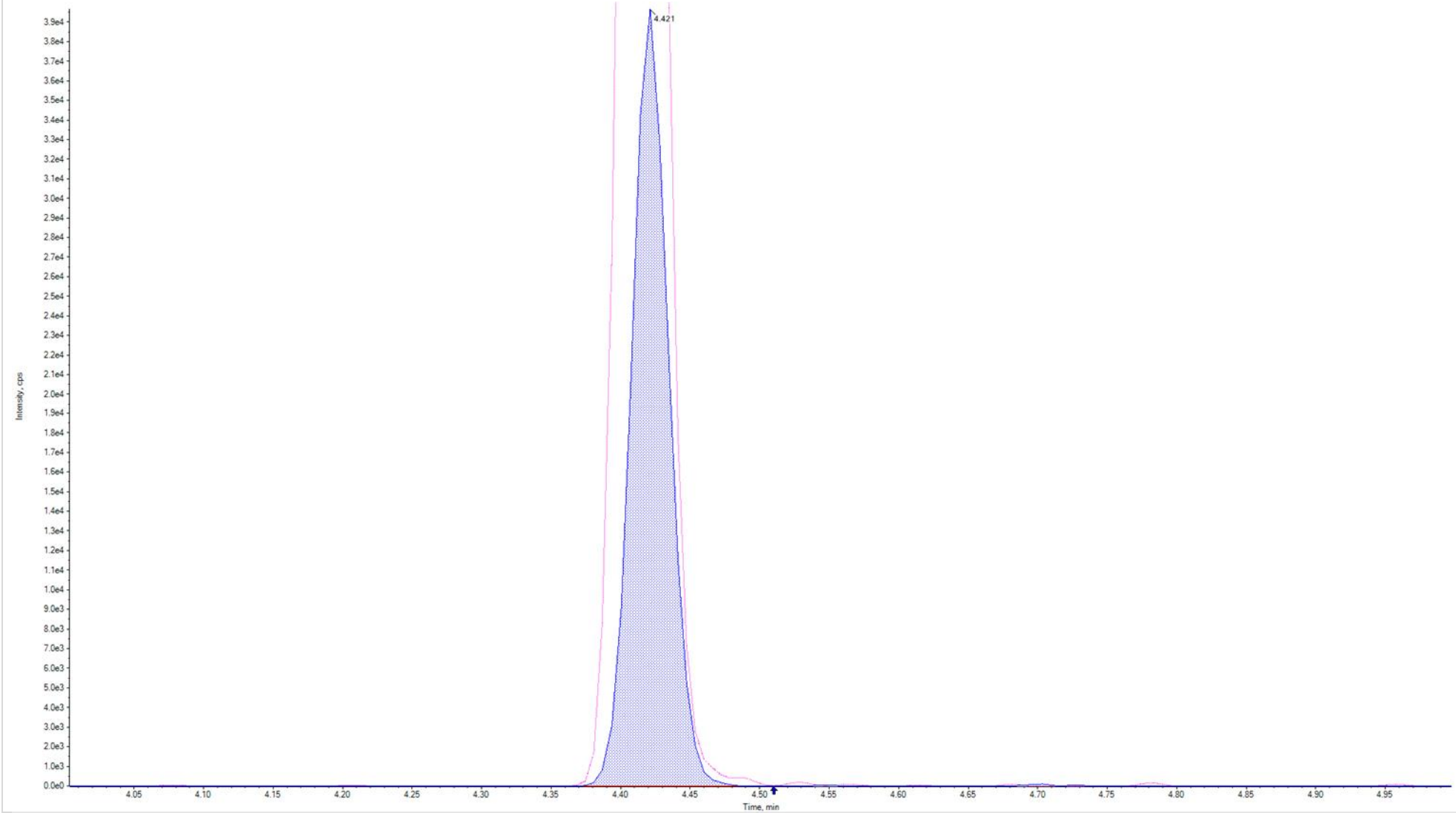
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFUnA
Sample: WG2011107-3R S/N:3675.4 Points Across peak:25



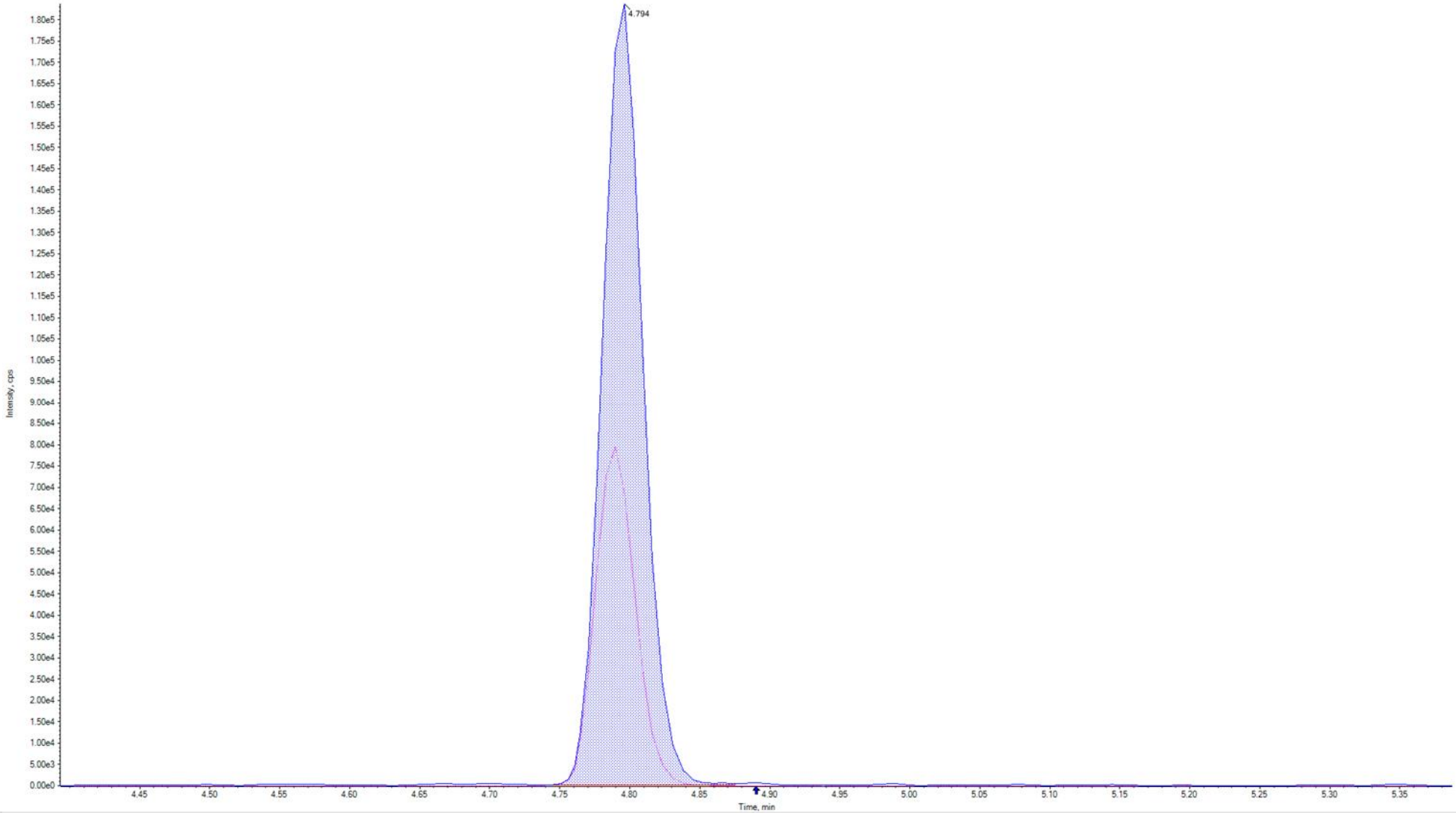
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFUnA_2
Sample: WG2011107-3R S/N:894.7 Points Across peak:28



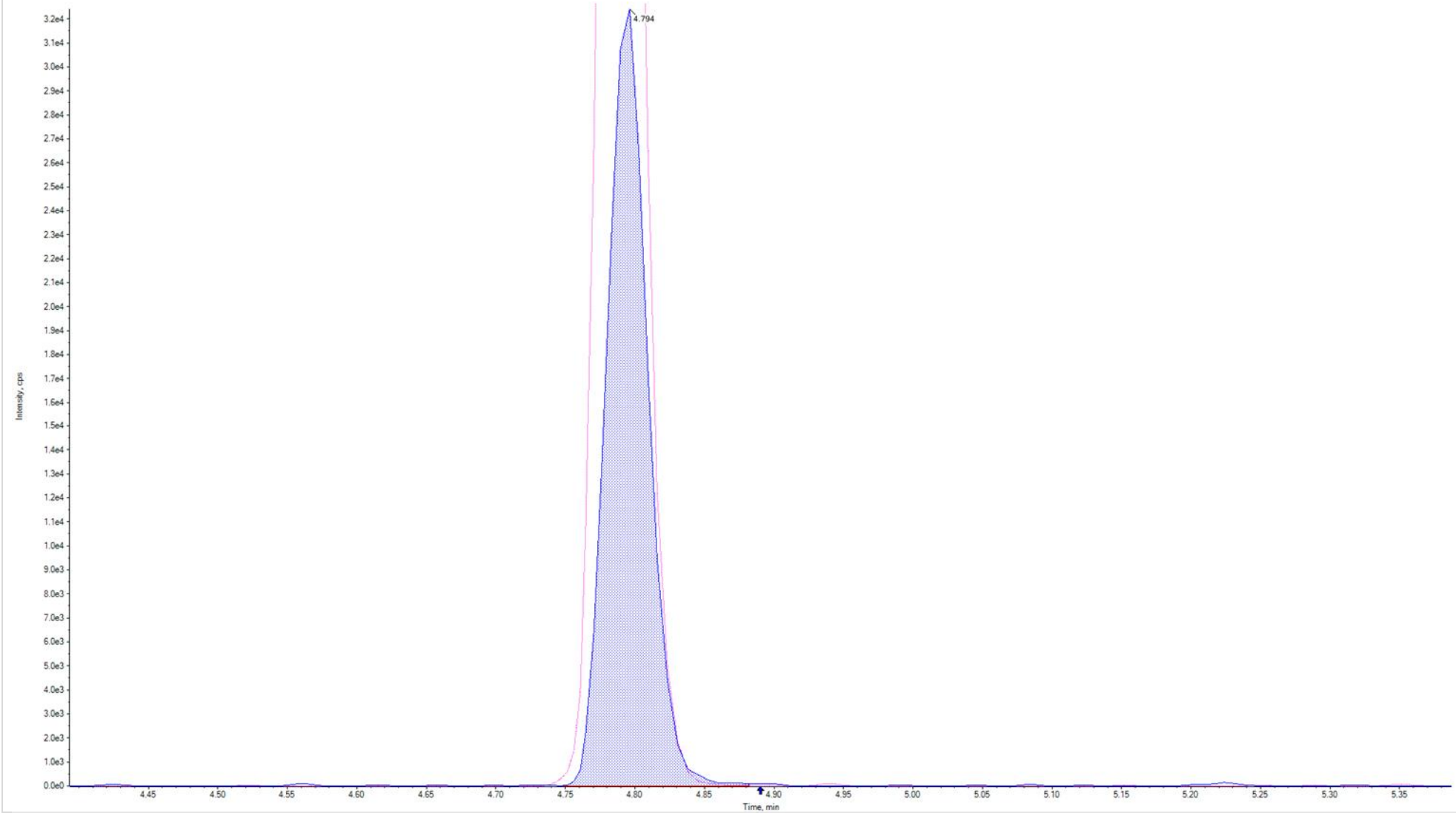
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFDoA
Sample: WG2011107-3R S/N:5062.3 Points Across peak:23



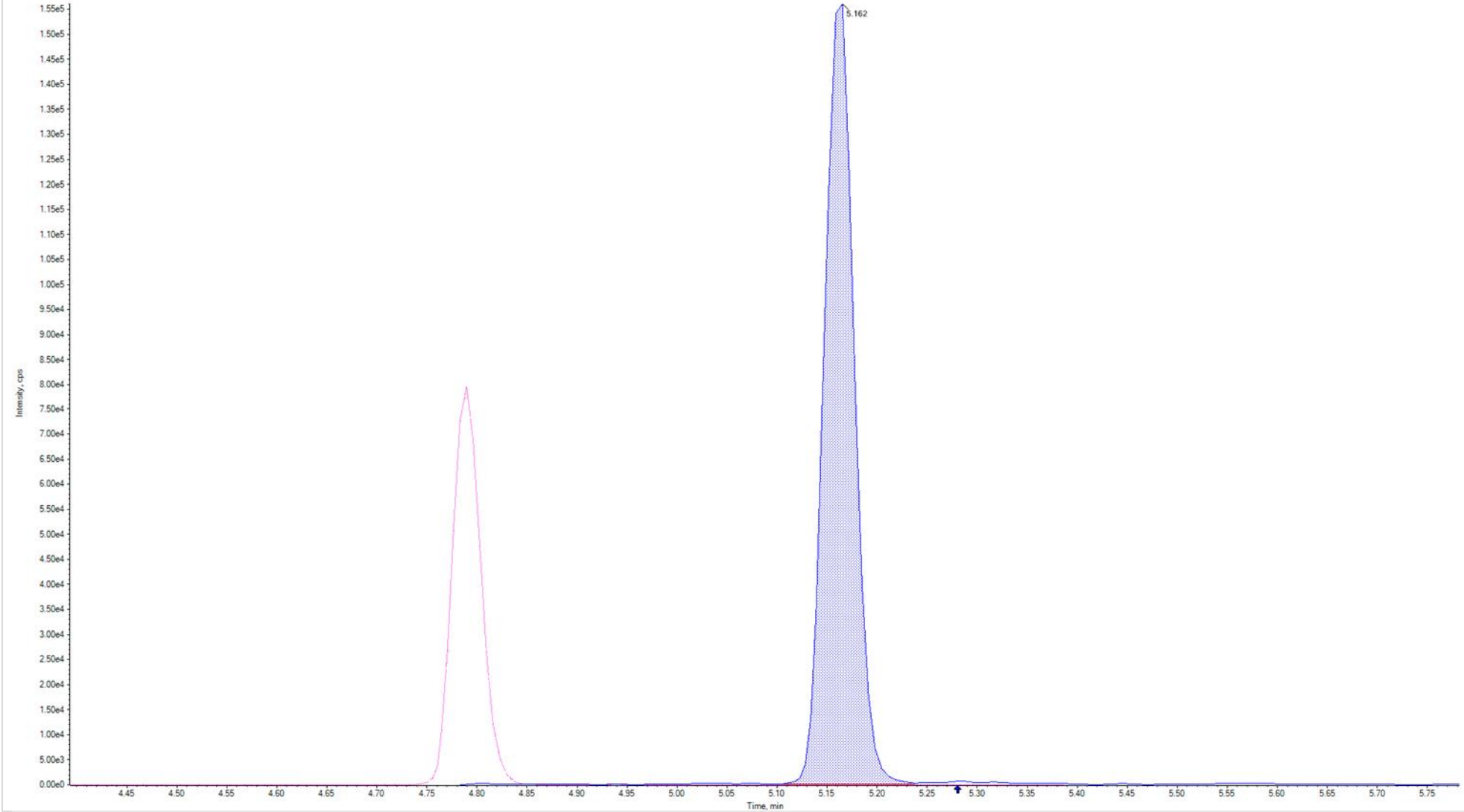
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFDoA_2
Sample: WG2011107-3R S/N:893.6 Points Across peak:22



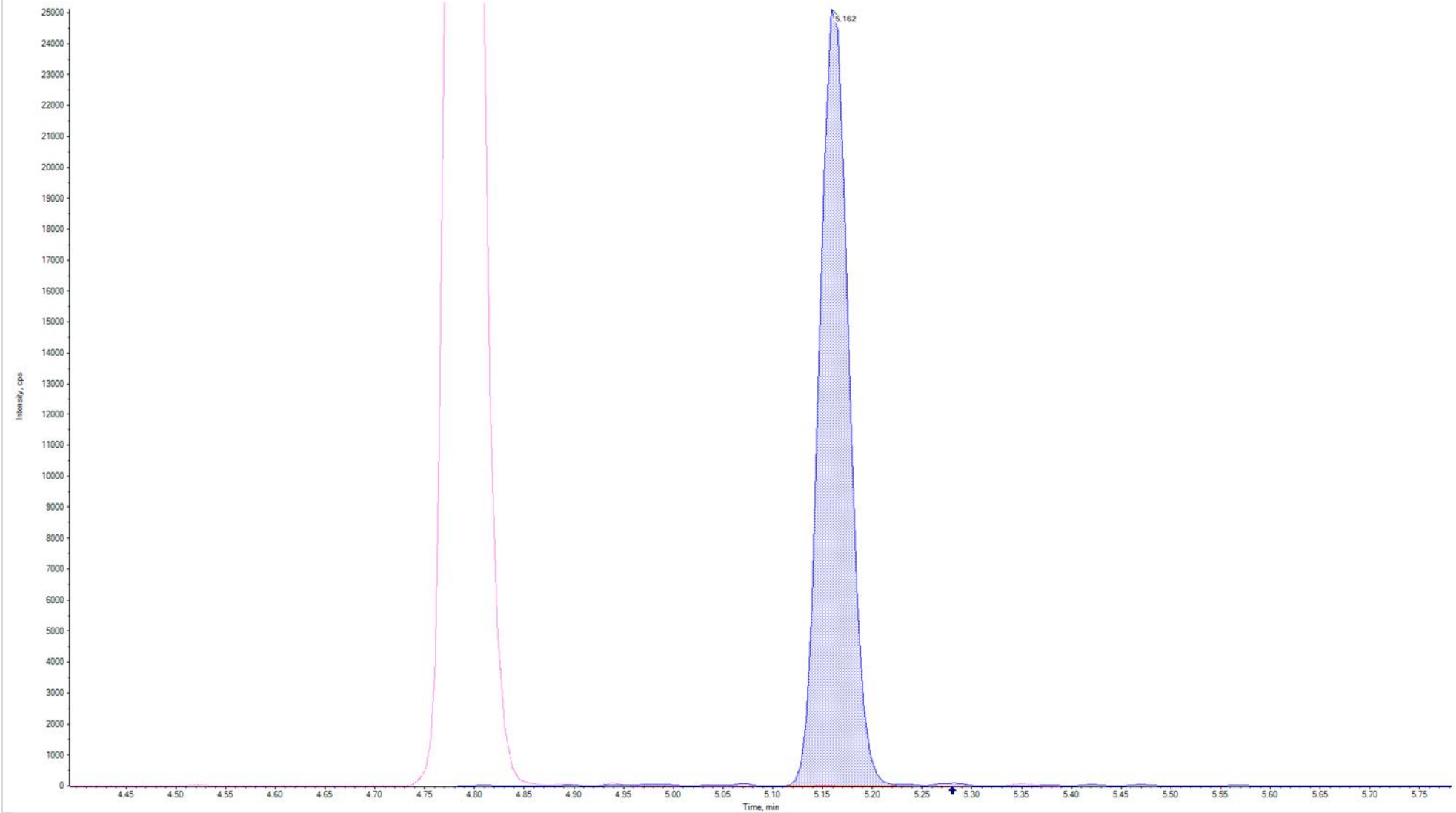
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFTrDA
Sample: WG2011107-3R S/N:3980.3 Points Across peak:23



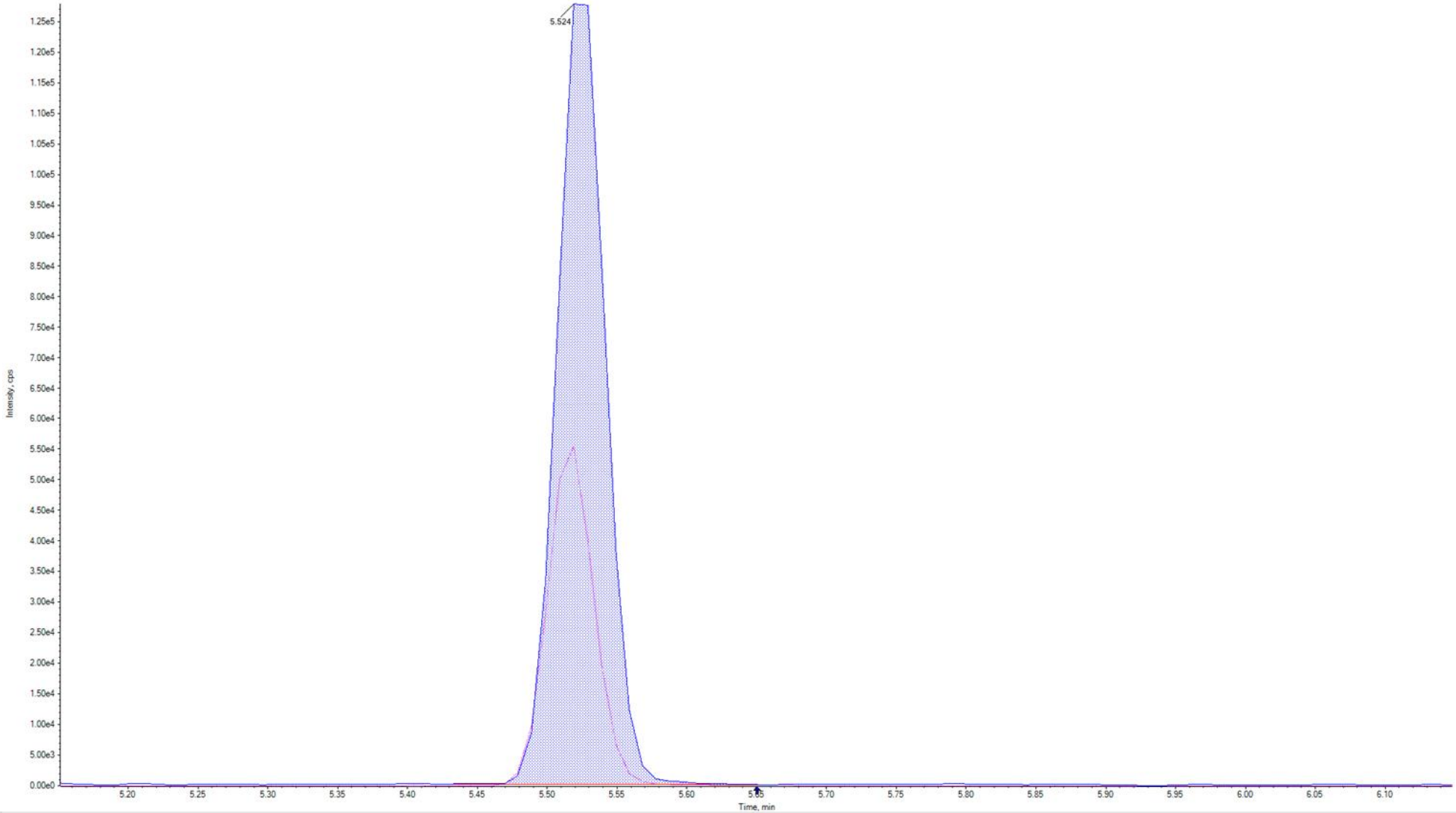
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFTrDA_2
Sample: WG2011107-3R S/N:1007.3 Points Across peak:20



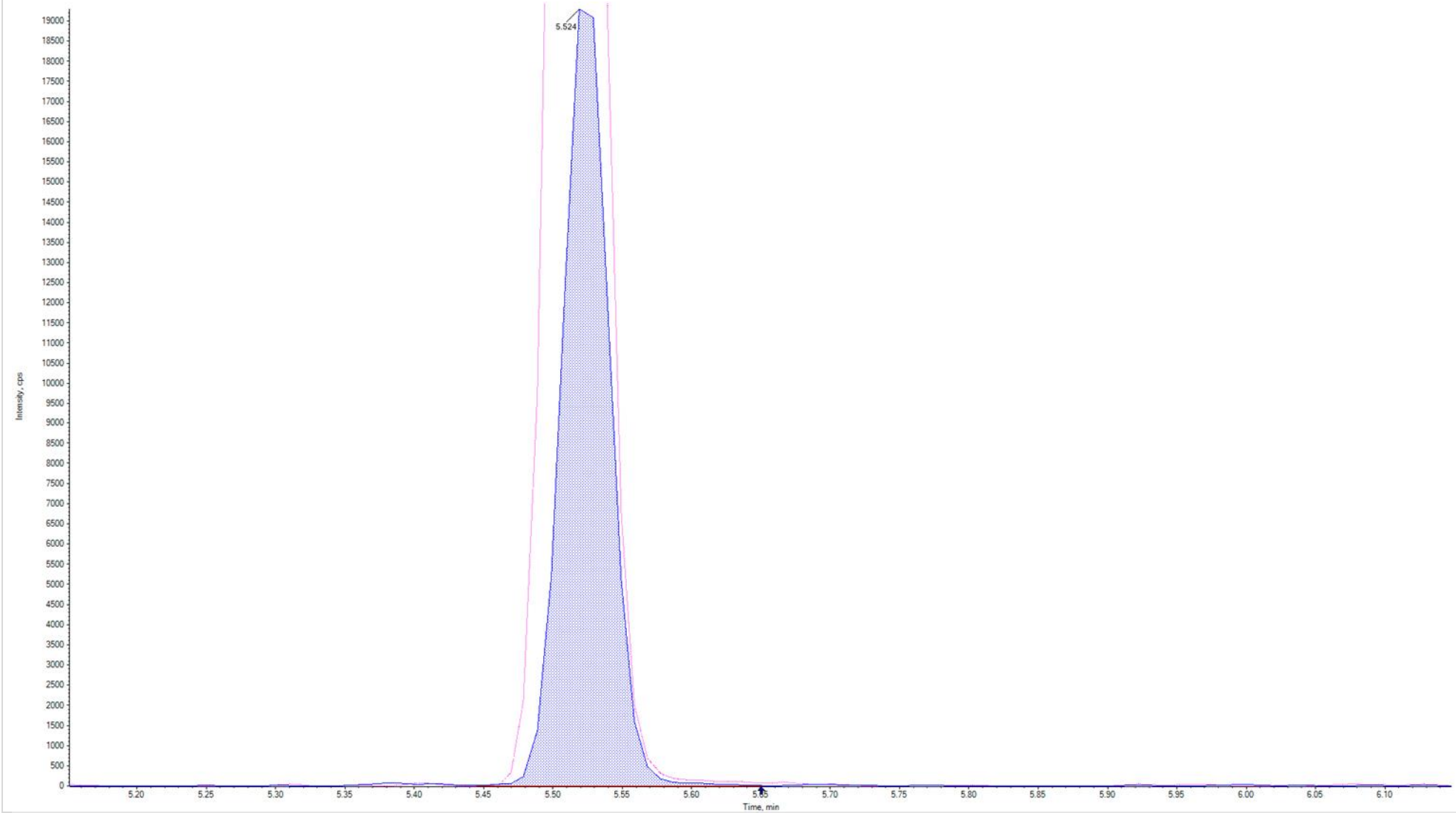
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFTeDA
Sample: WG2011107-3R S/N:1255.3 Points Across peak:26



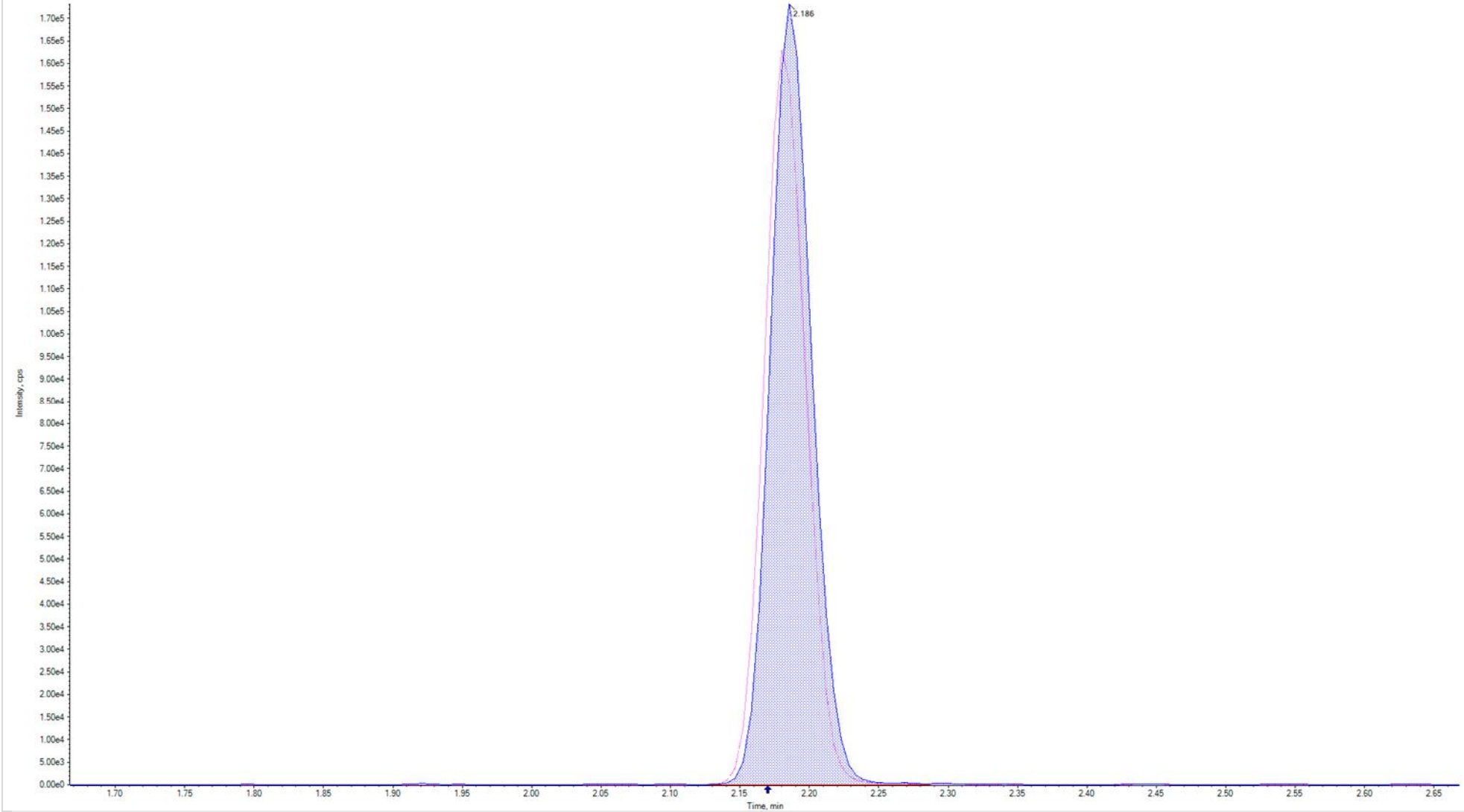
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFTeDA_2
Sample: WG2011107-3R S/N:946.8 Points Across peak:23



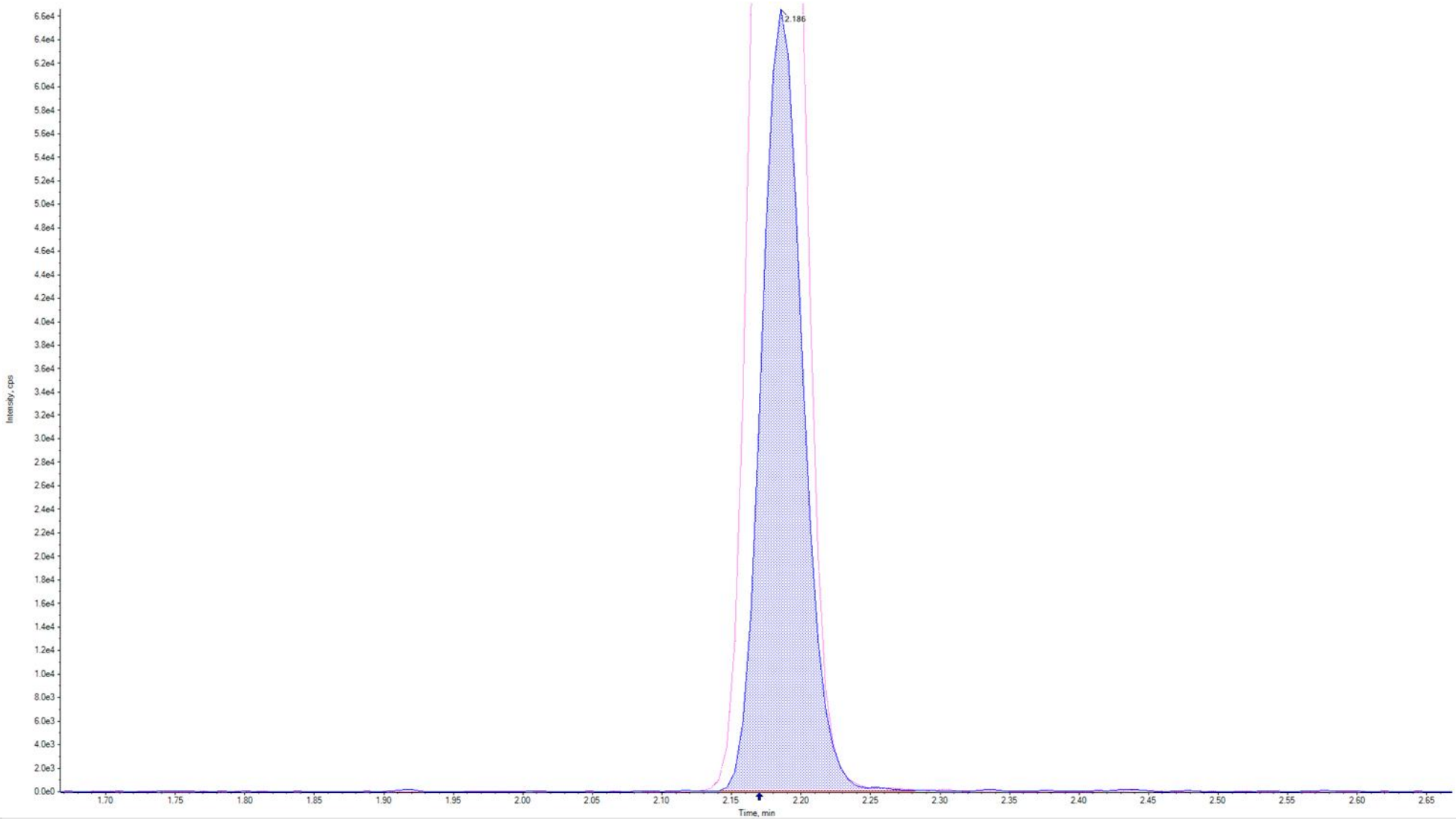
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFBS
Sample: WG2011107-3R S/N:4341.5 Points Across peak:33



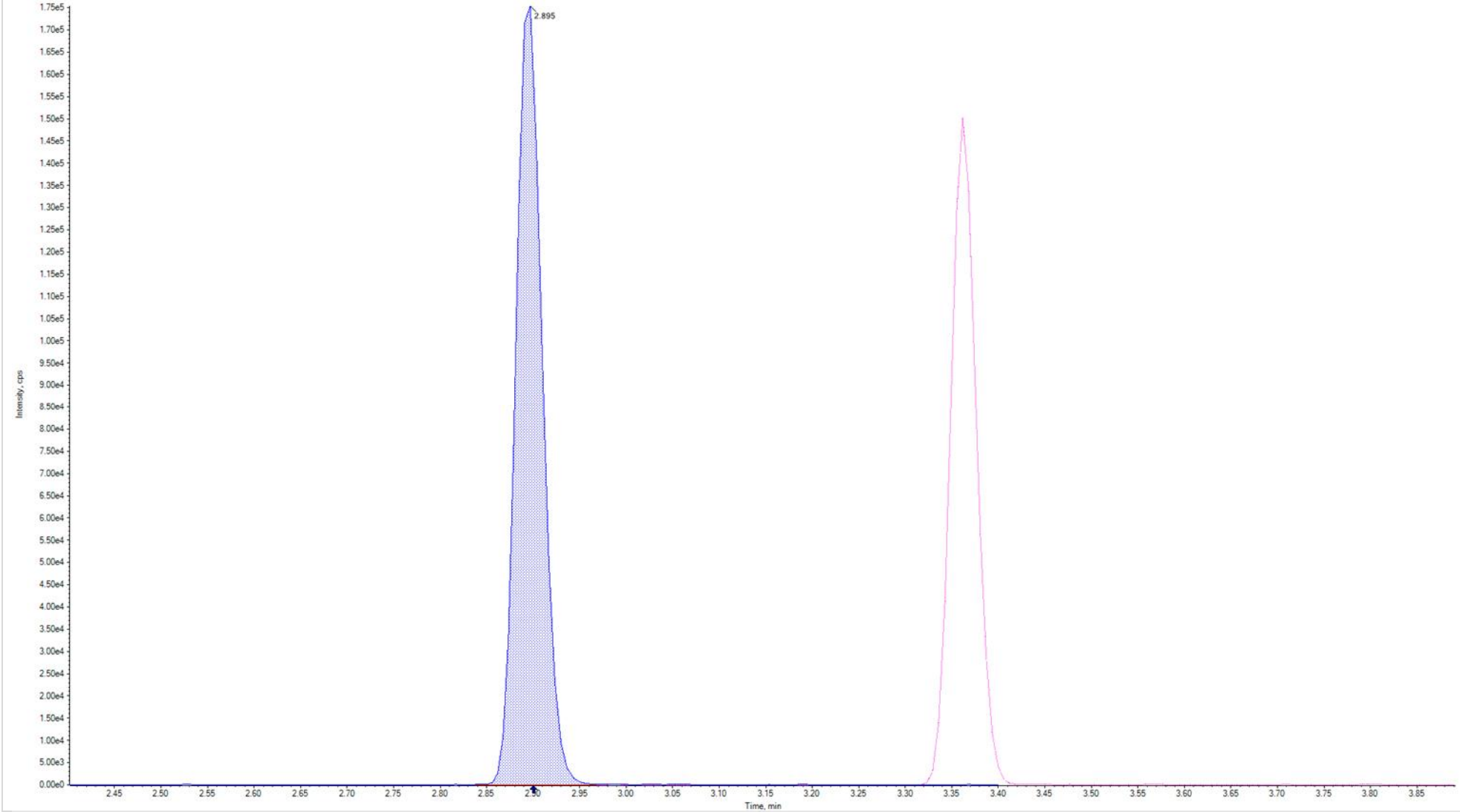
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFBS_2
Sample: WG2011107-3R S/N:1668.4 Points Across peak:29



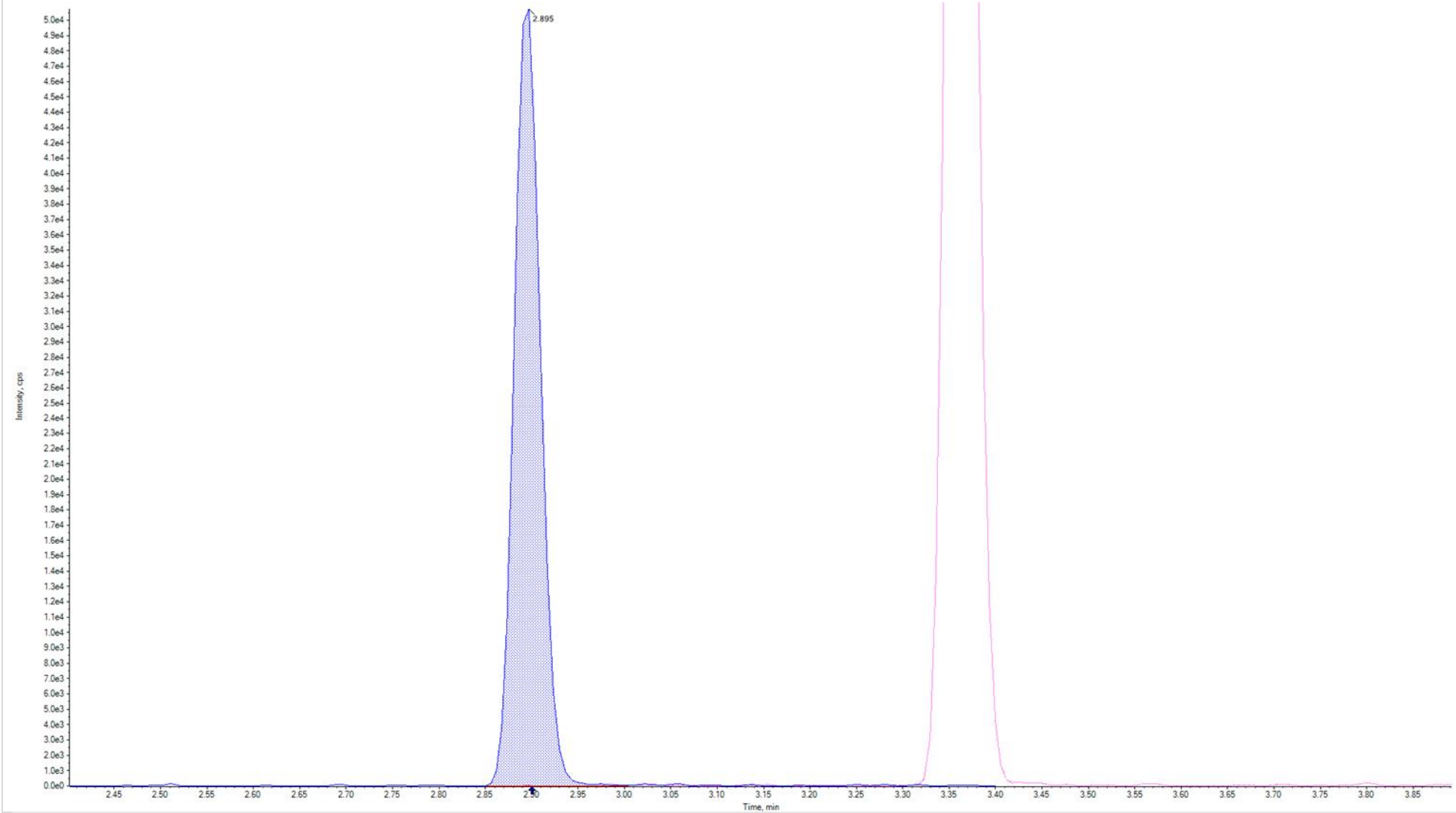
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFPeS
Sample: WG2011107-3R S/N:3516.4 Points Across peak:24



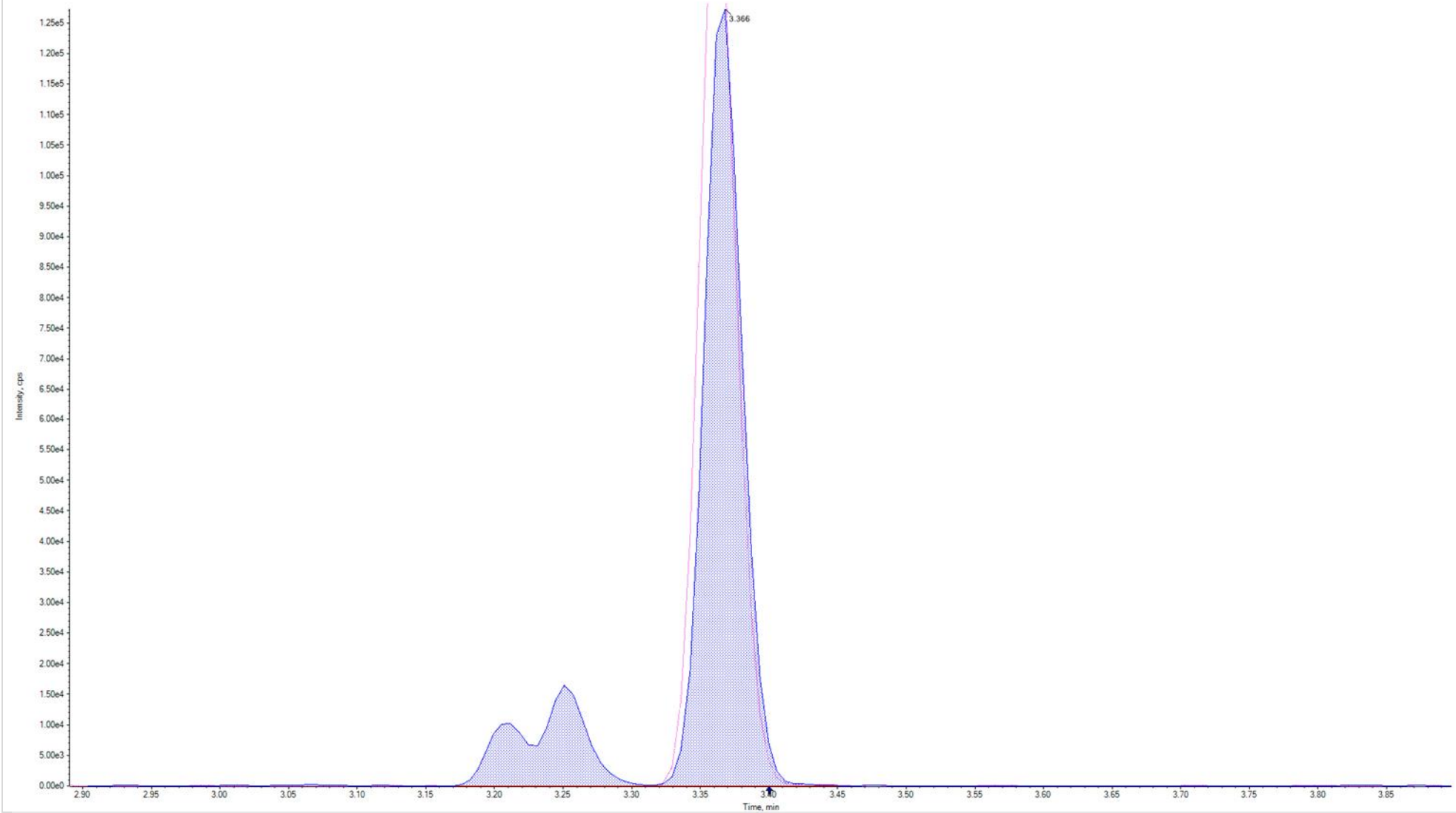
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFPeS_2
Sample: WG2011107-3R S/N:1017.3 Points Across peak:28



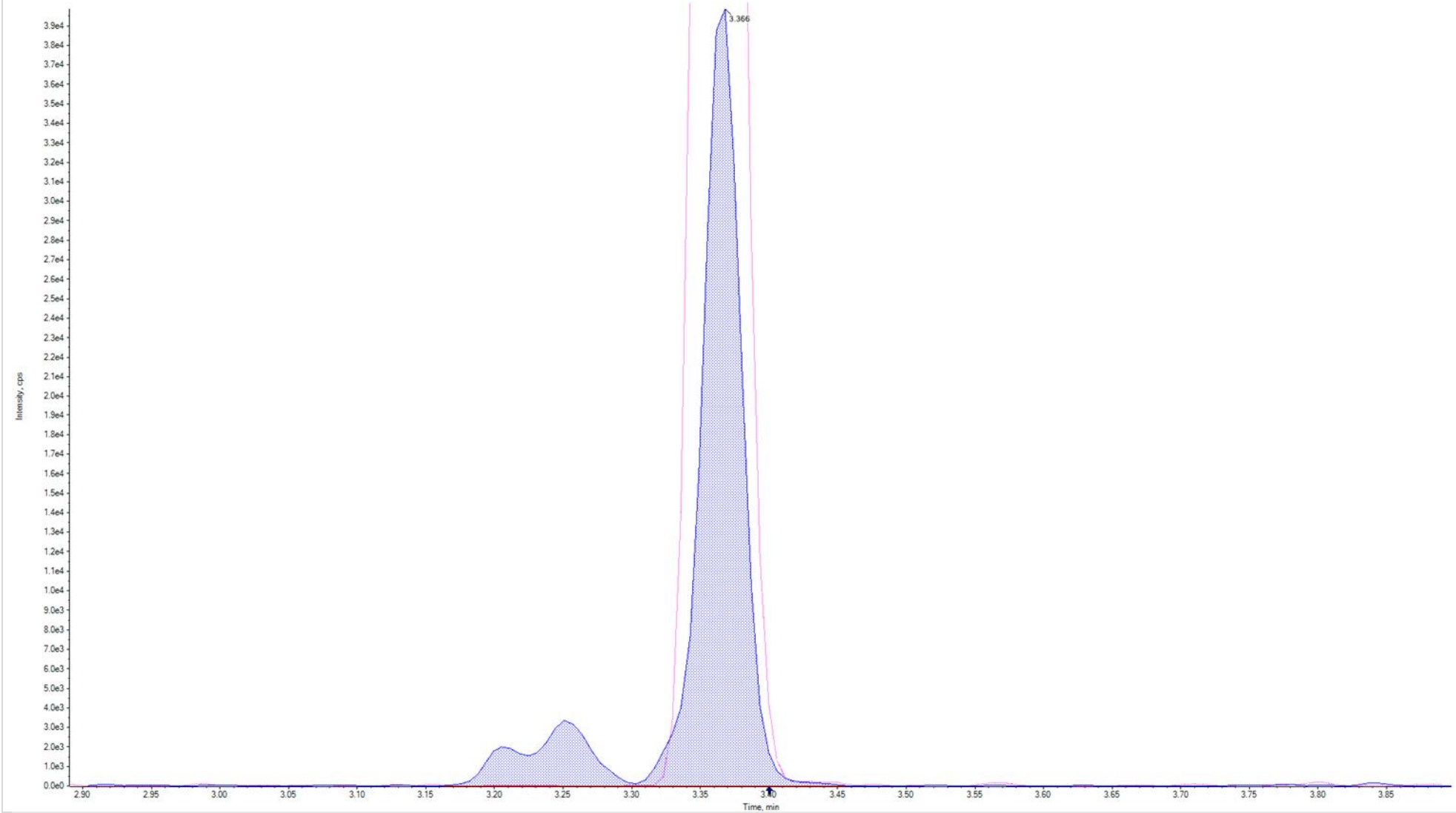
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFHxS
Sample: WG2011107-3R S/N:971.3 Points Across peak:48



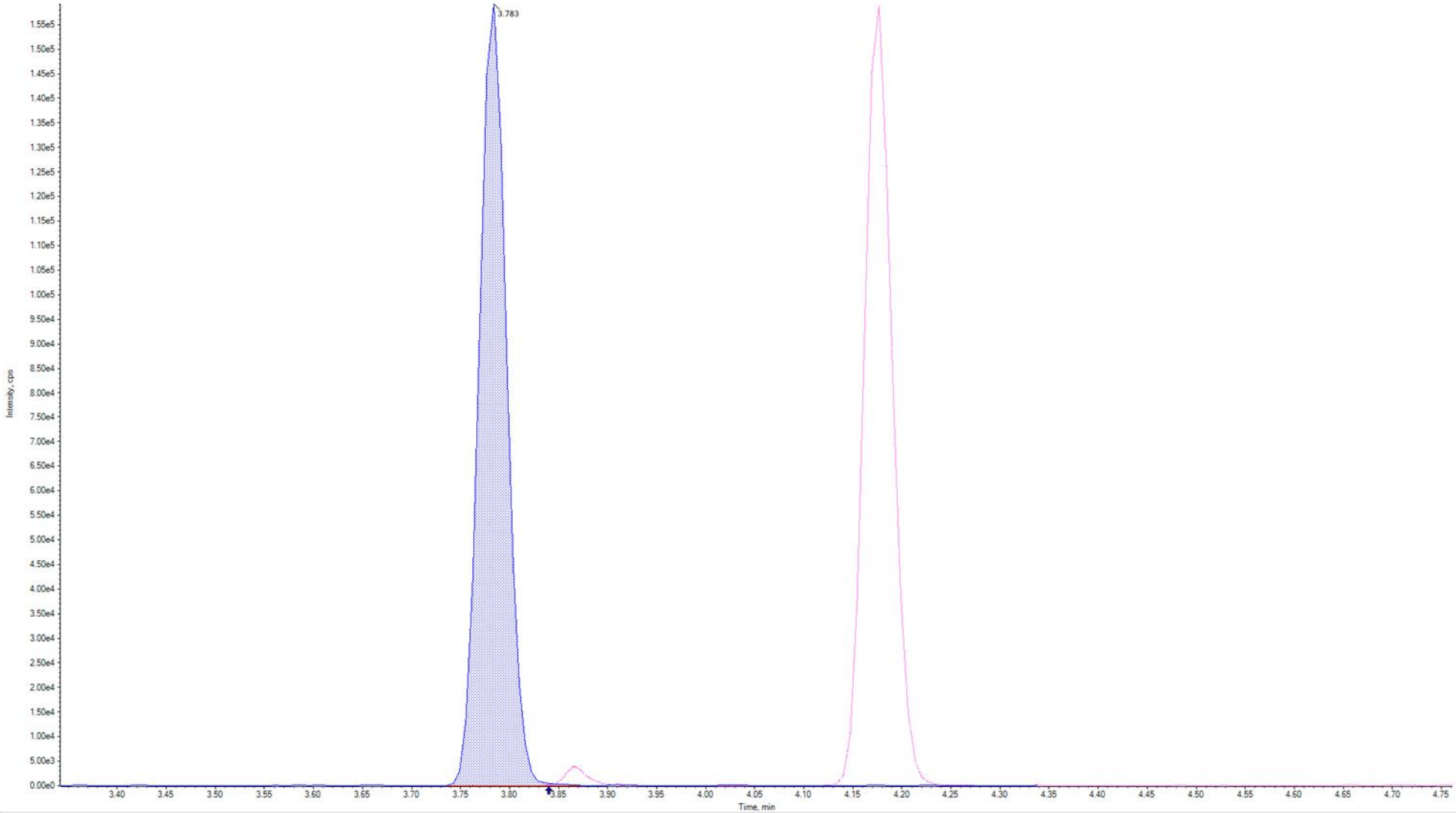
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFHxS_2
Sample: WG2011107-3R S/N:857.9 Points Across peak:53



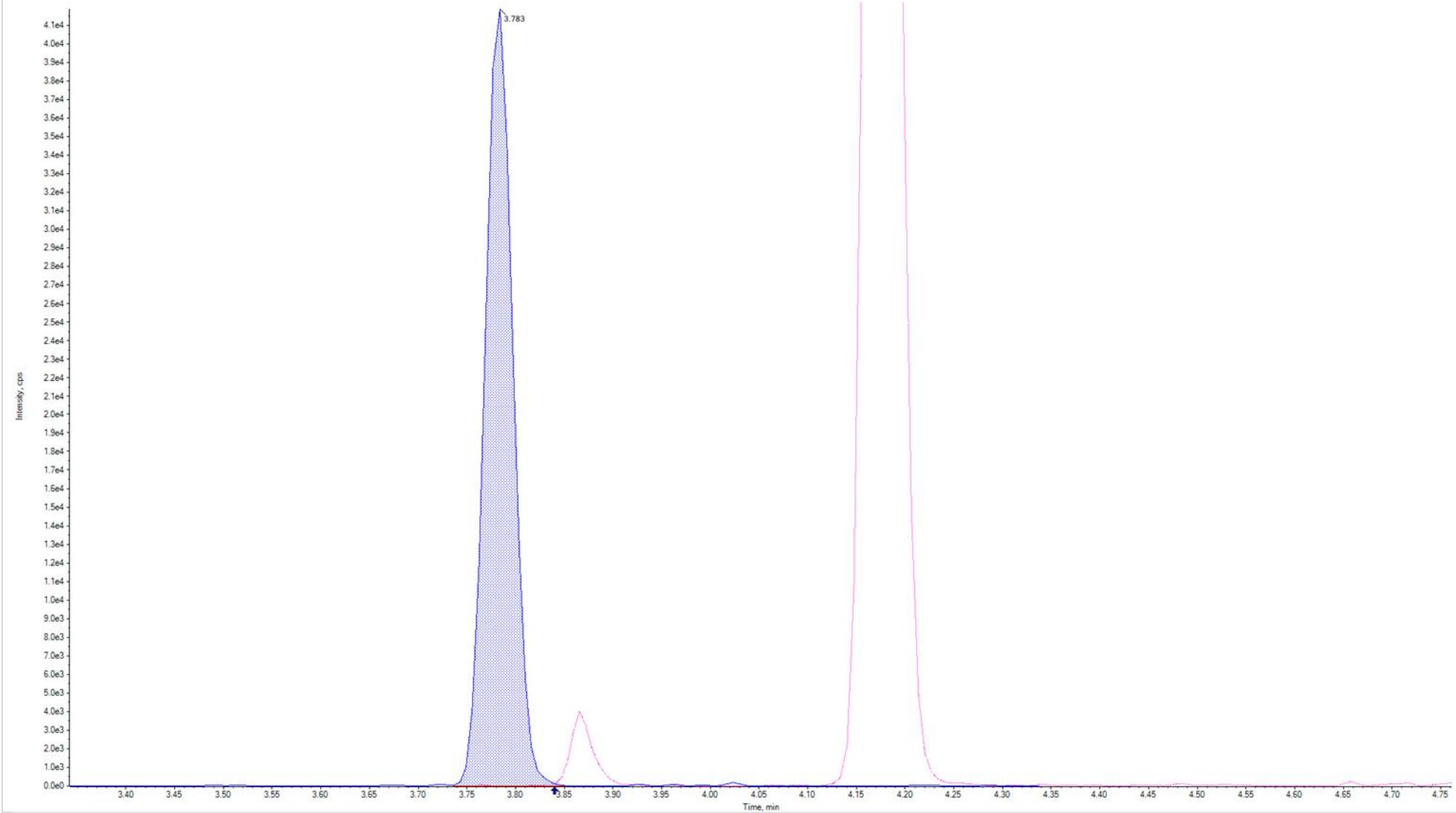
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFHpS
Sample: WG2011107-3R S/N:3192.7 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFHpS_2
Sample: WG2011107-3R S/N:839.6 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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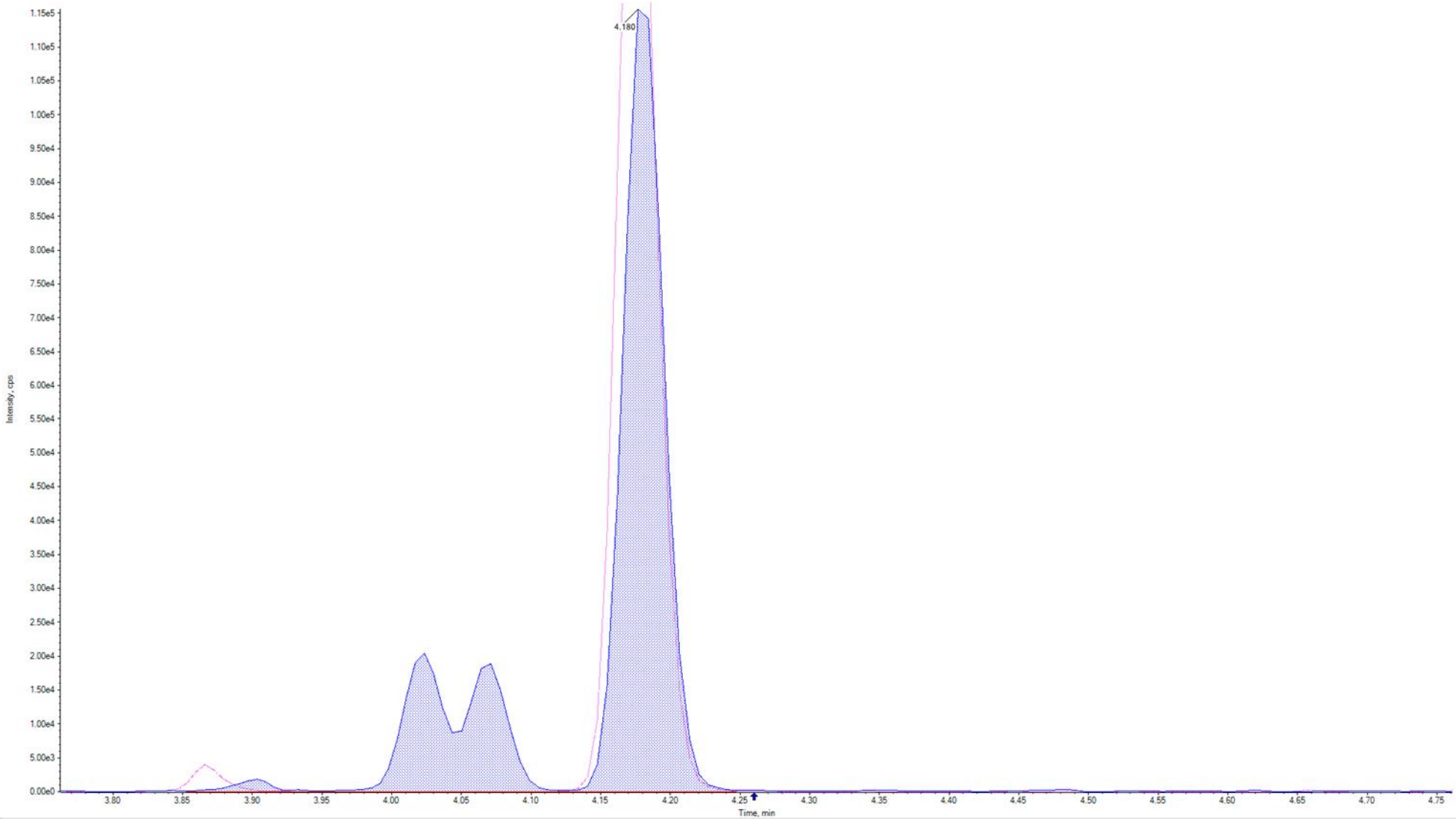
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFOS
Sample: WG2011107-3R S/N:468.8 Points Across peak:63



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 3:21:32 AM
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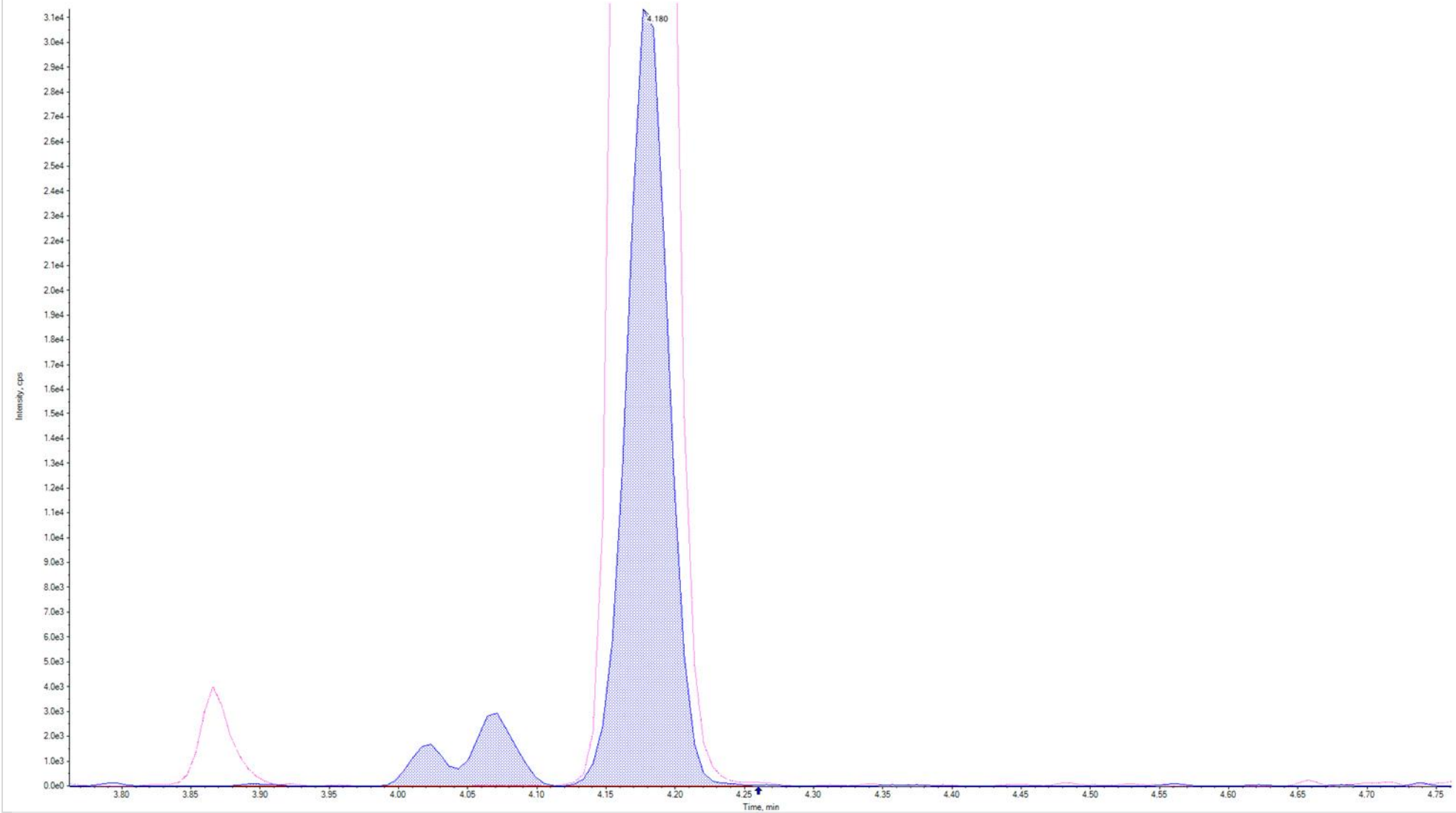
PFOS_2
Sample: WG2011107-3R S/N:628.5 Points Across peak:61



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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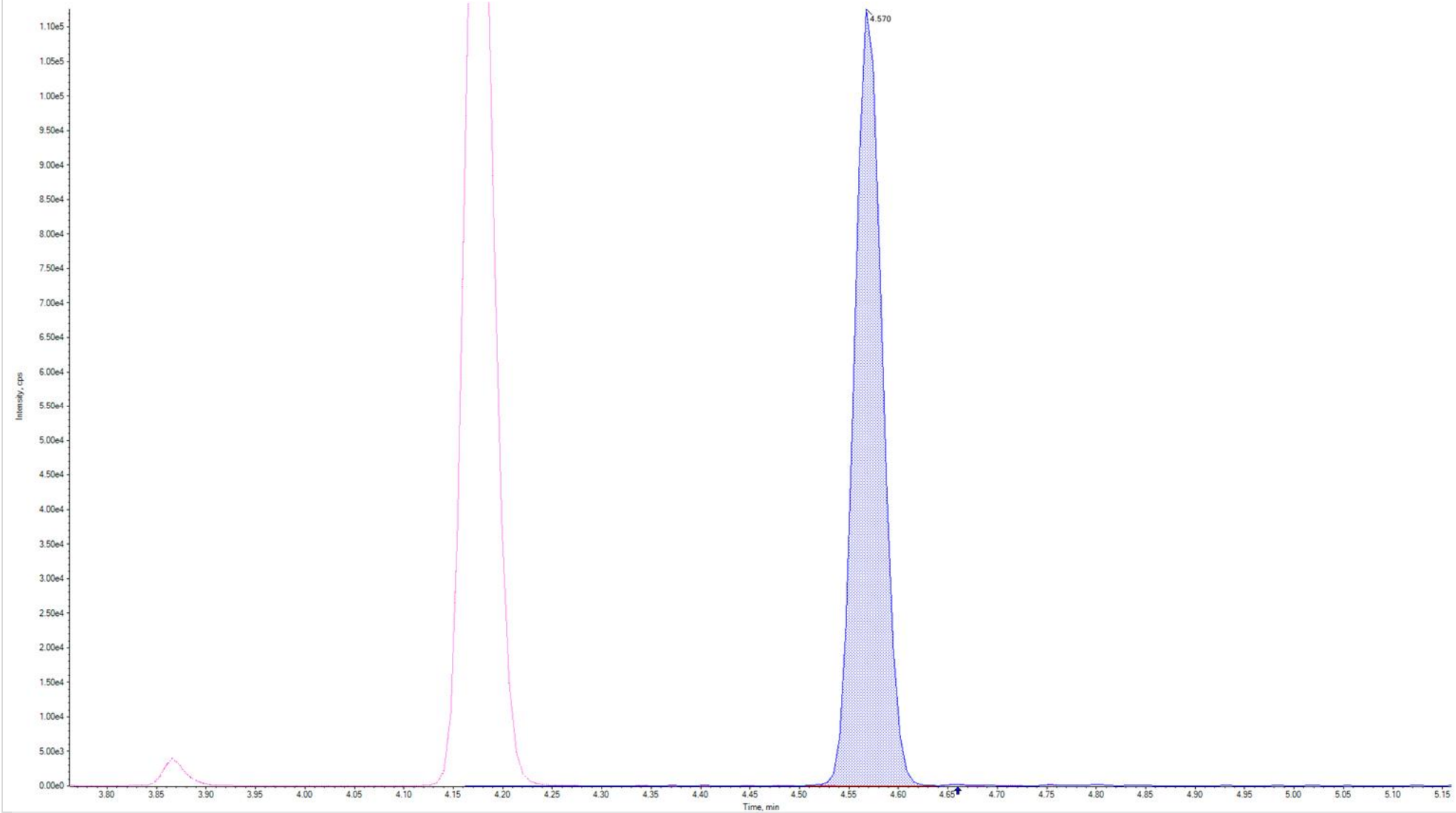
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFNS
Sample: WG2011107-3R S/N:2319.5 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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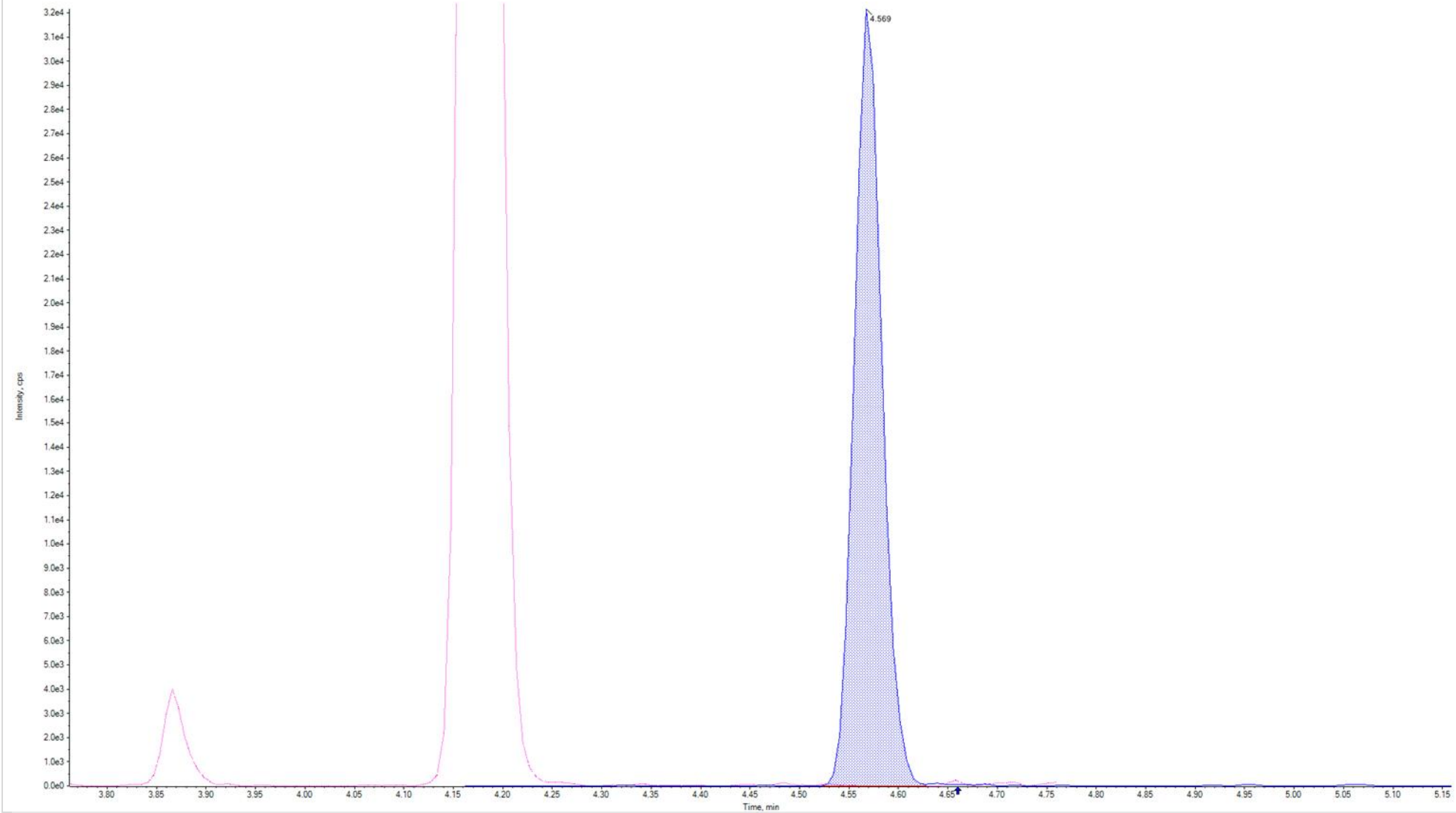
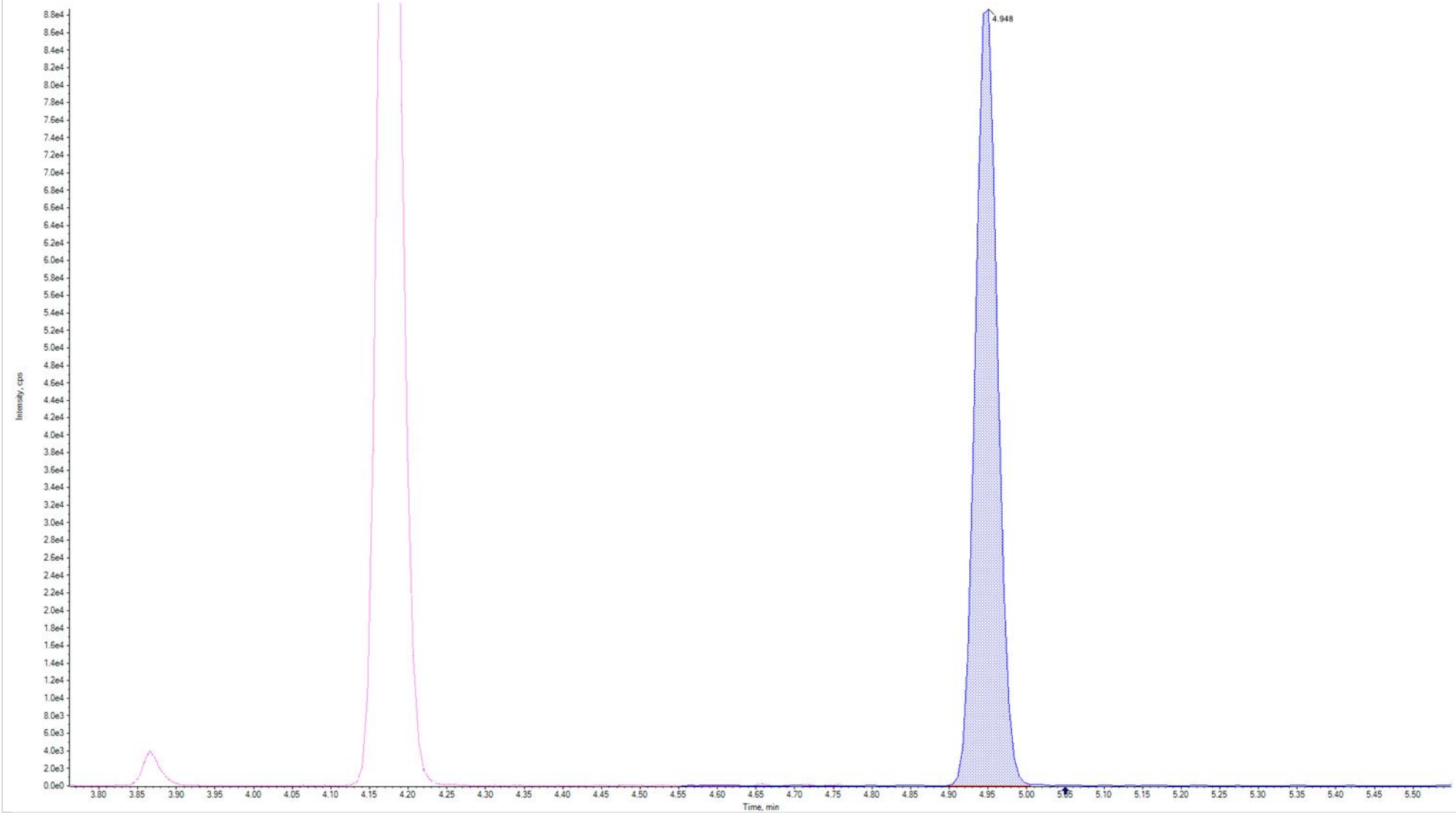
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFNS_2
Sample: WG2011107-3R S/N:806.1 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFDS
Sample: WG2011107-3R S/N:3111.8 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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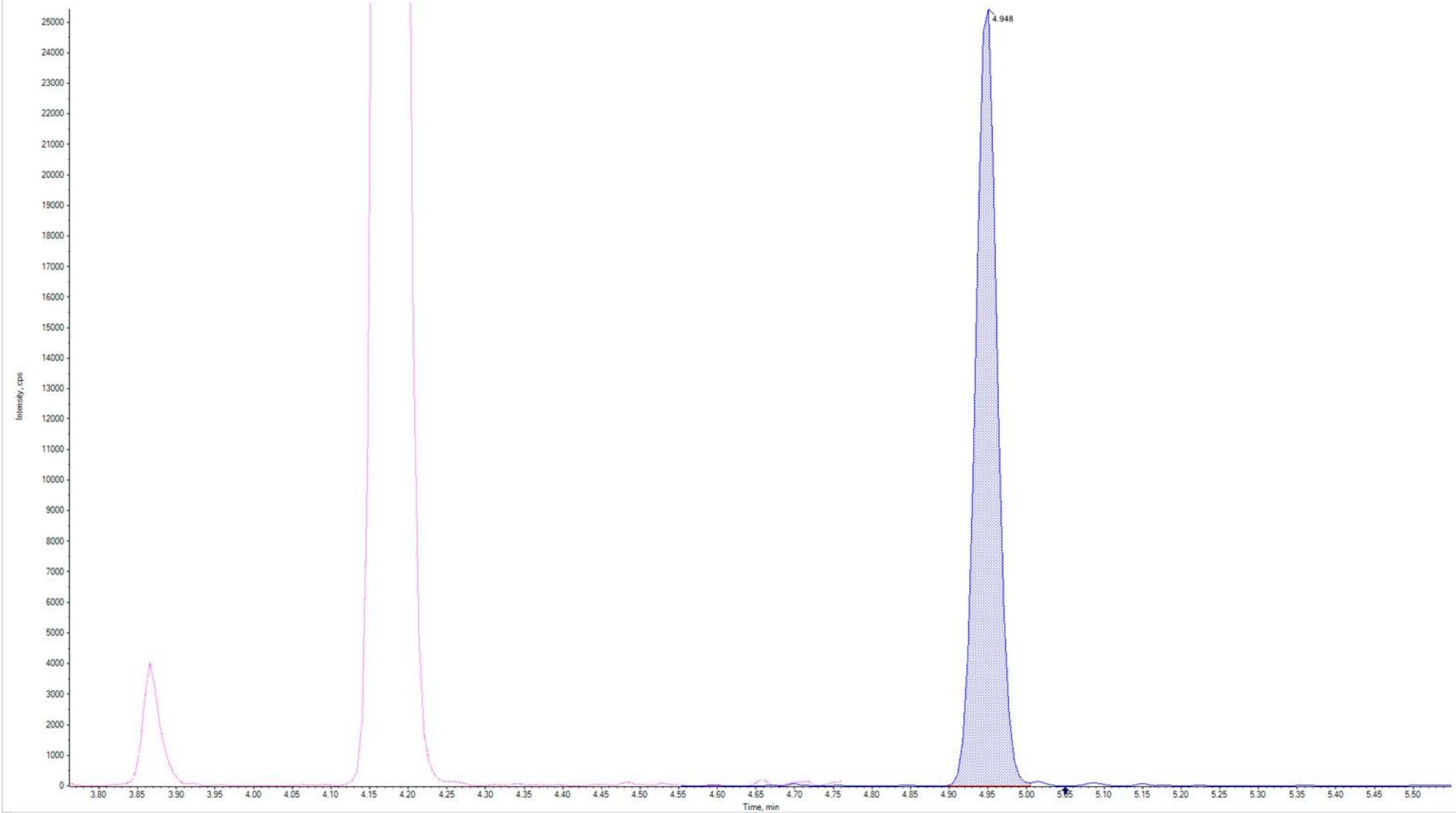
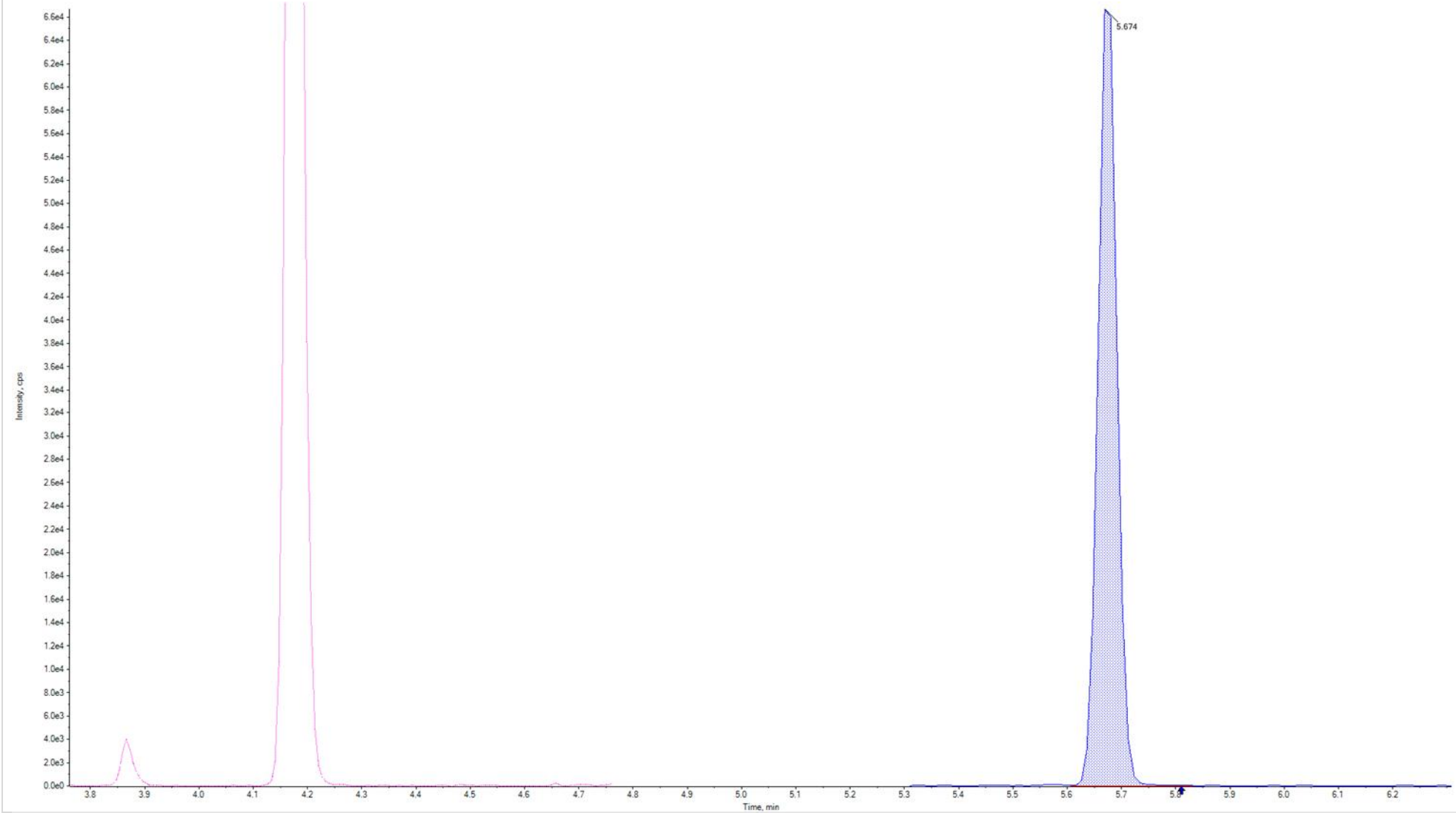
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFDS_2
Sample: WG2011107-3R S/N:892.2 Points Across peak:20



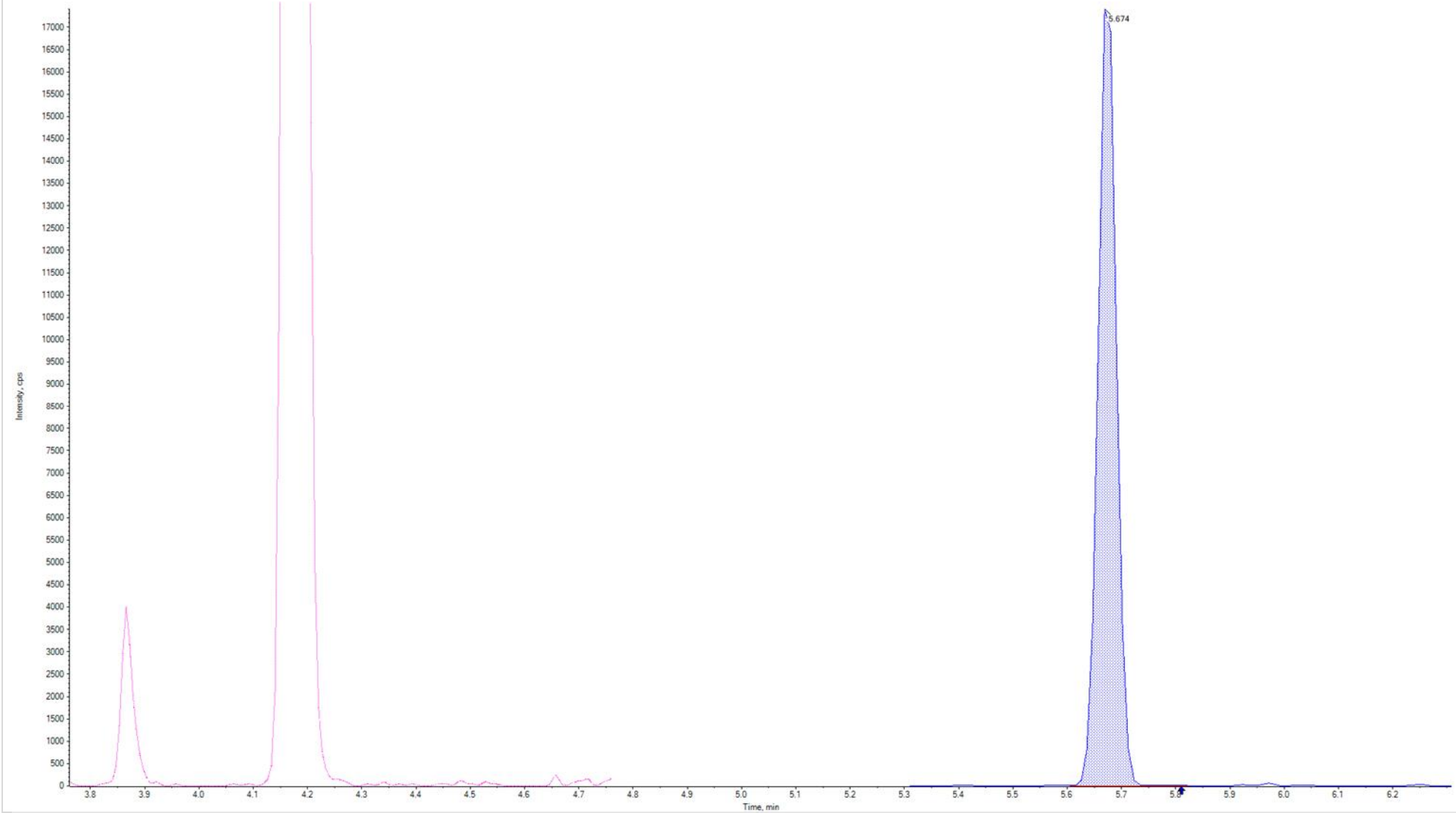
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFDoS
Sample: WG2011107-3R S/N:5179.9 Points Across peak:23



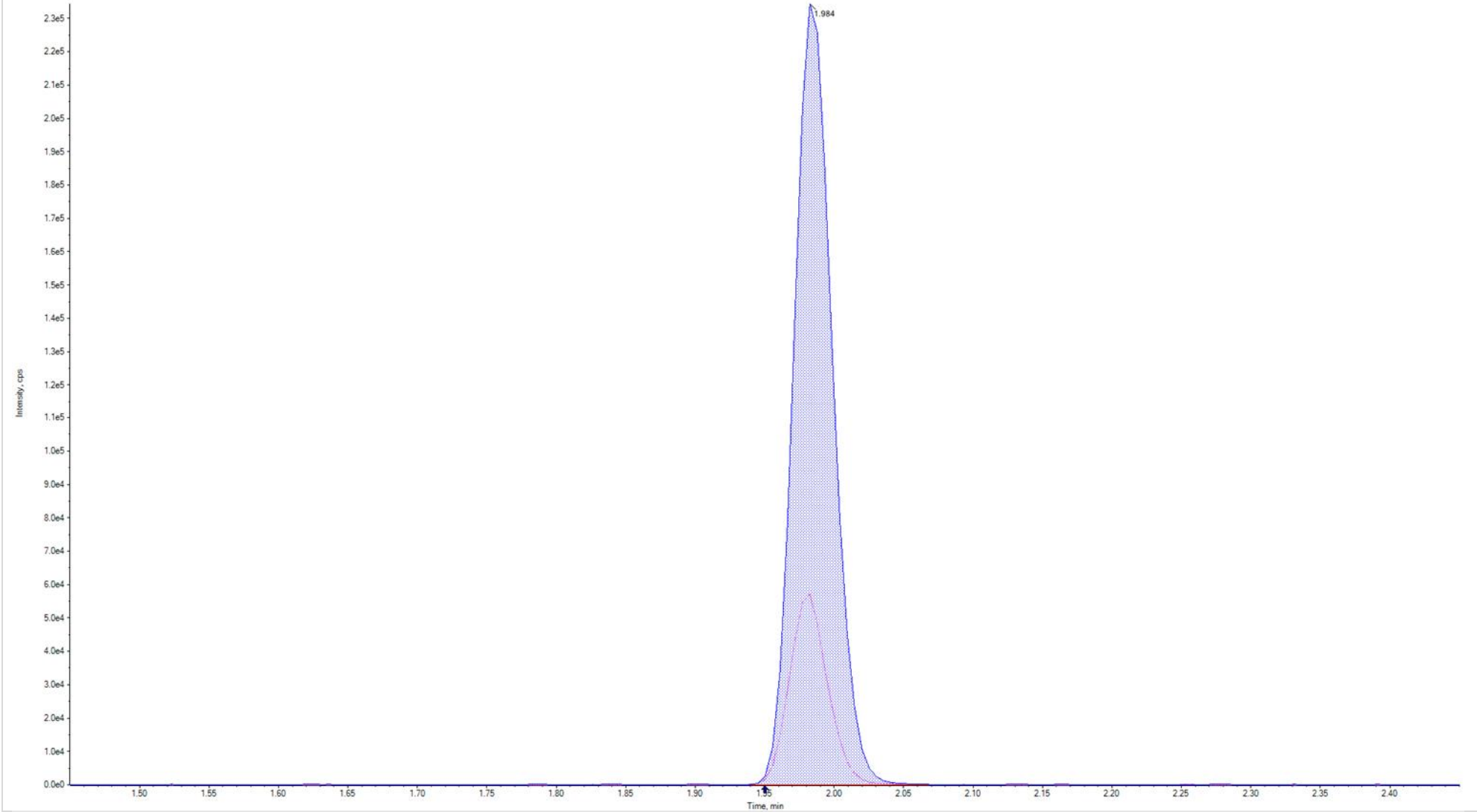
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFDoS_2
Sample: WG2011107-3R S/N:1134.5 Points Across peak:25



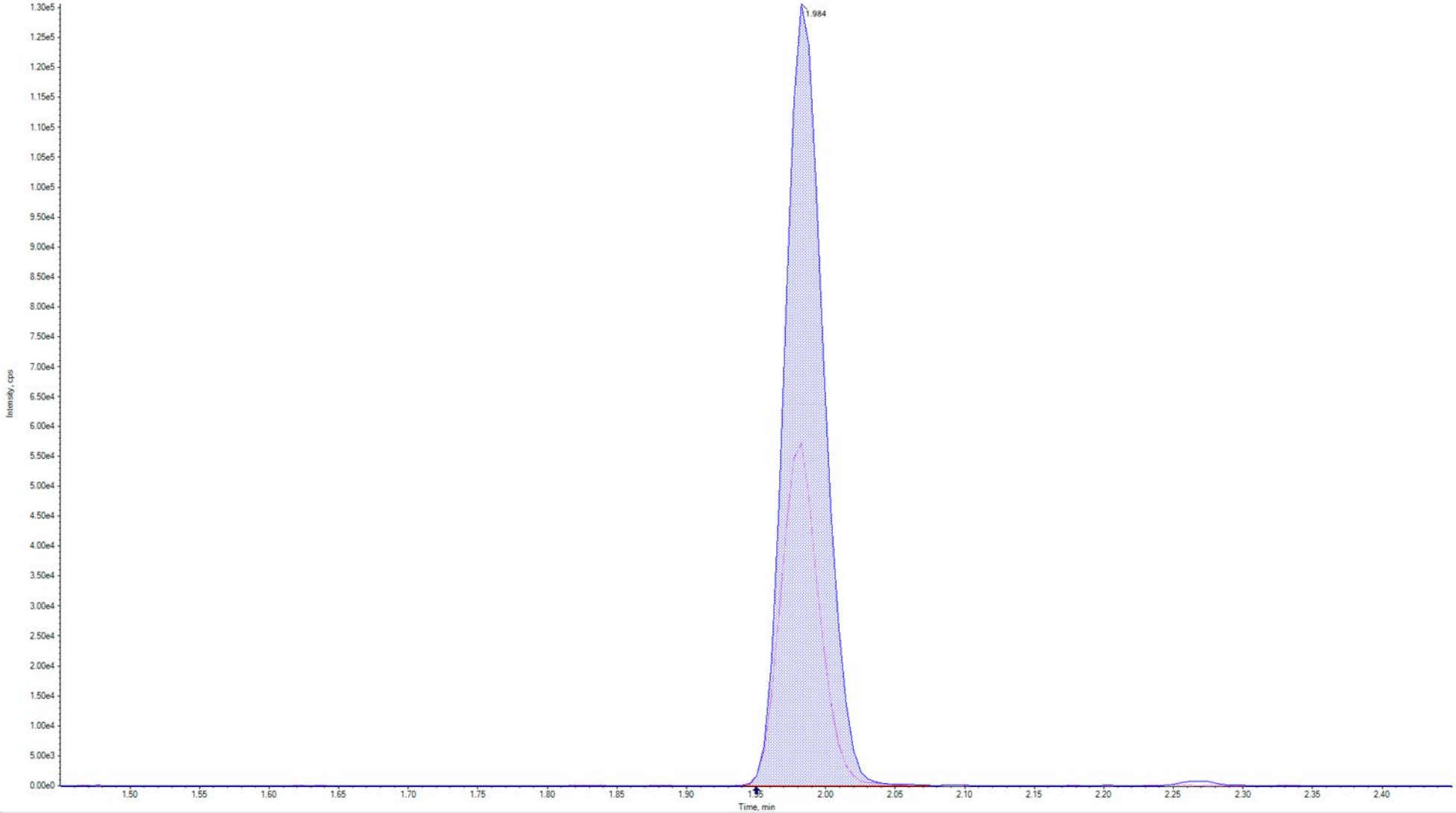
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

4:2FTS
Sample: WG2011107-3R S/N:8810.6 Points Across peak:33



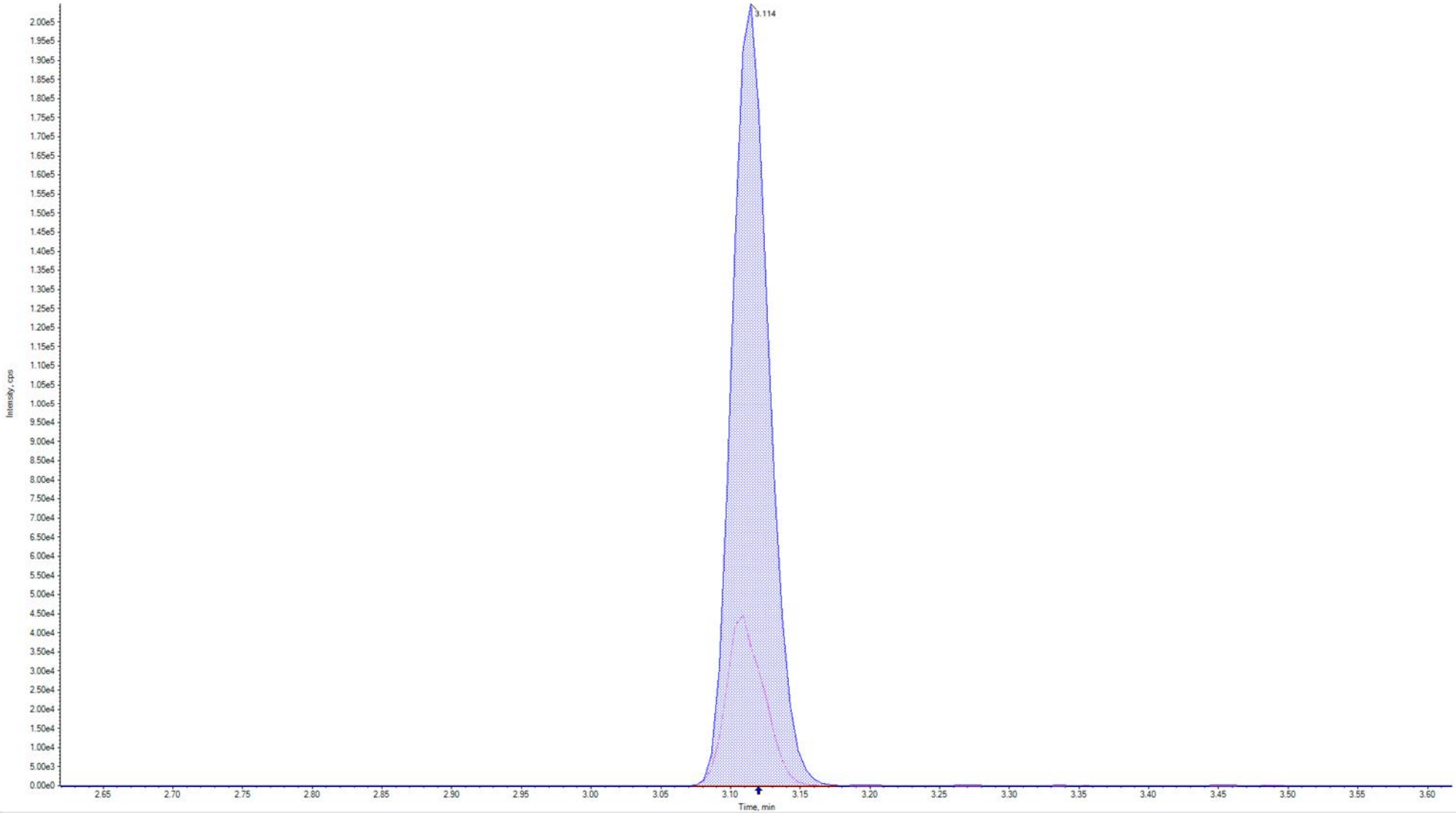
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

4:2FTS_2
Sample: WG2011107-3R S/N:4910.2 Points Across peak:28



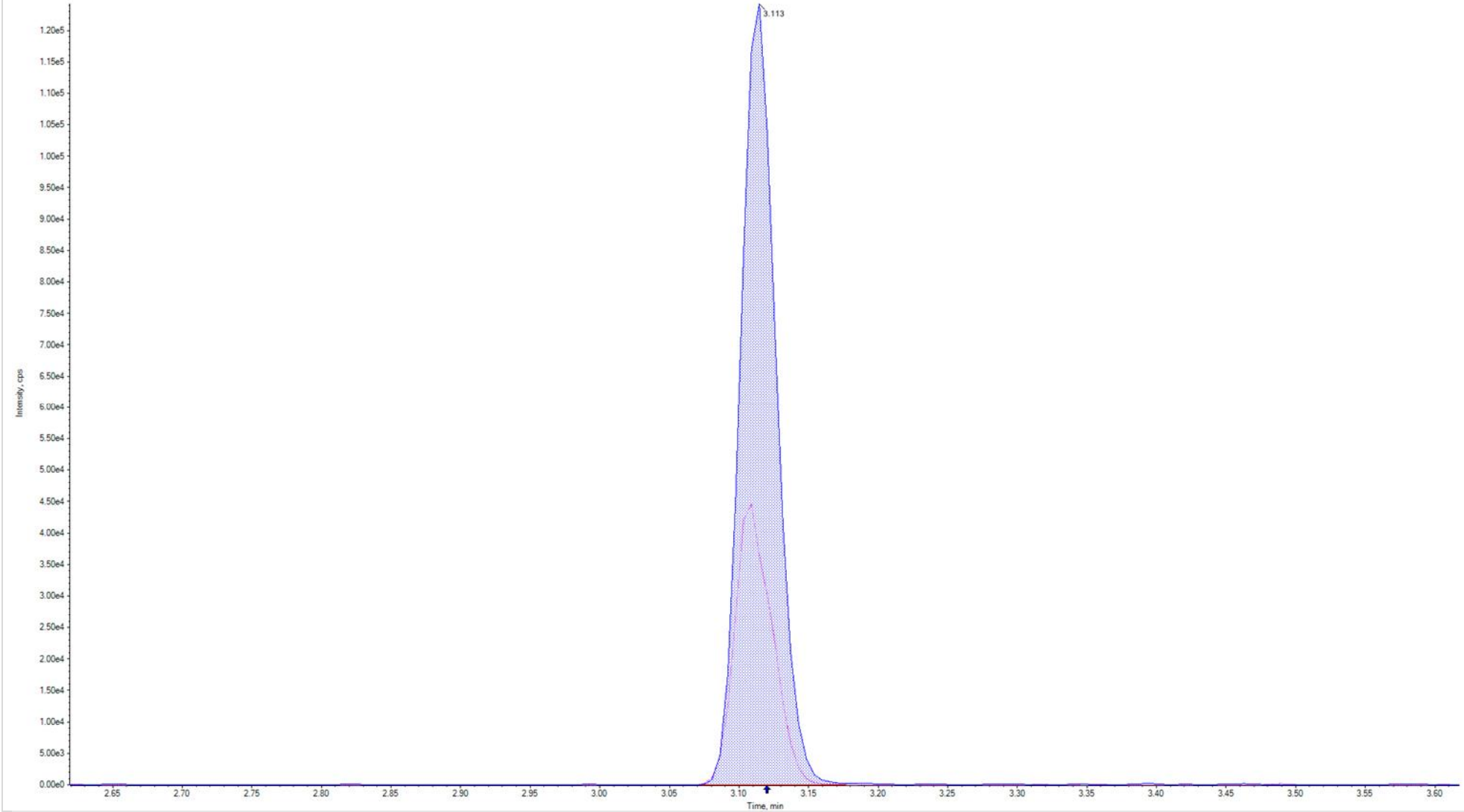
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

6:2FTS
Sample: WG2011107-3R S/N:4106.4 Points Across peak:21

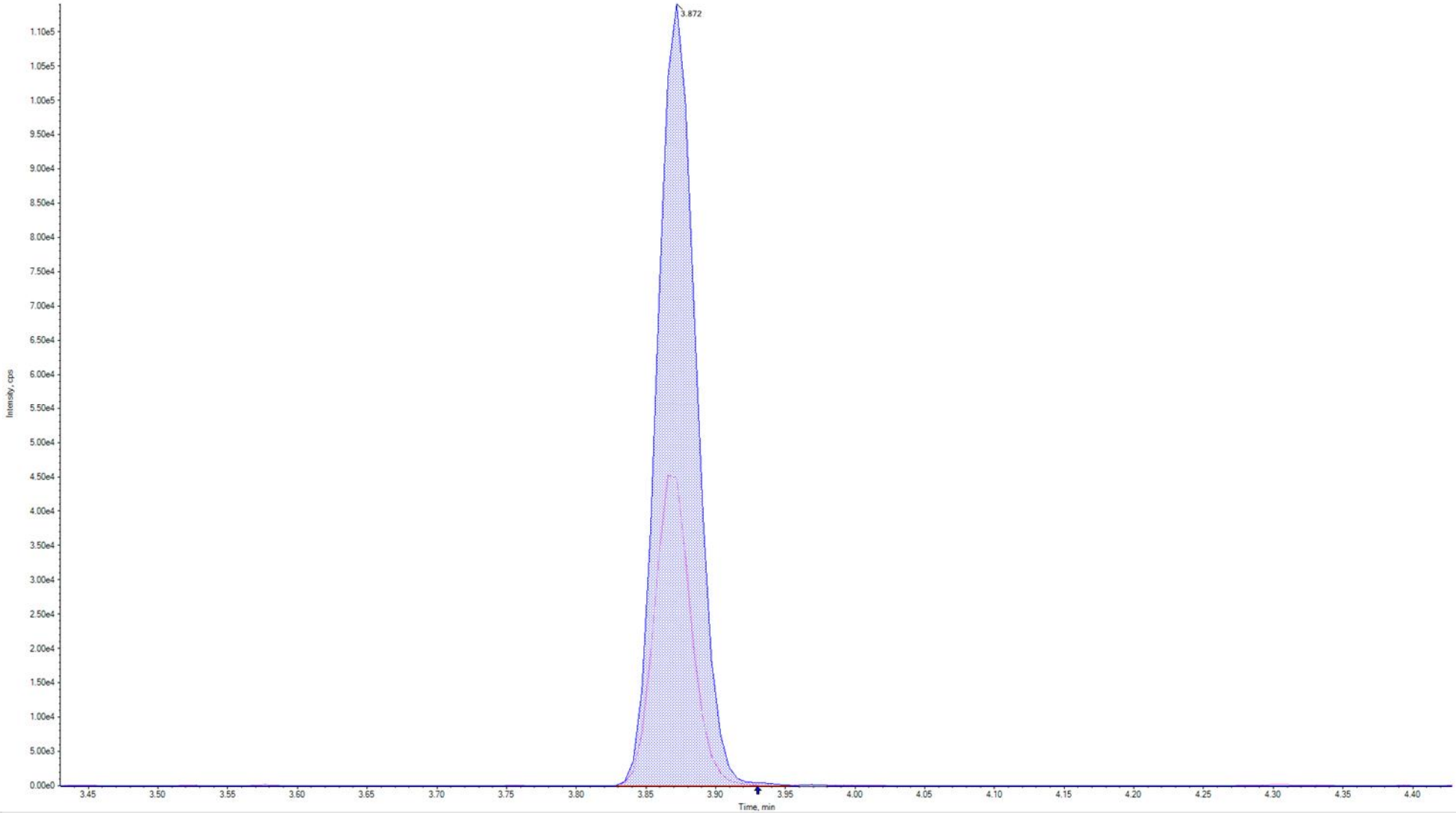


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

6:2FTS_2
Sample: WG2011107-3R S/N:2490.8 Points Across peak:21

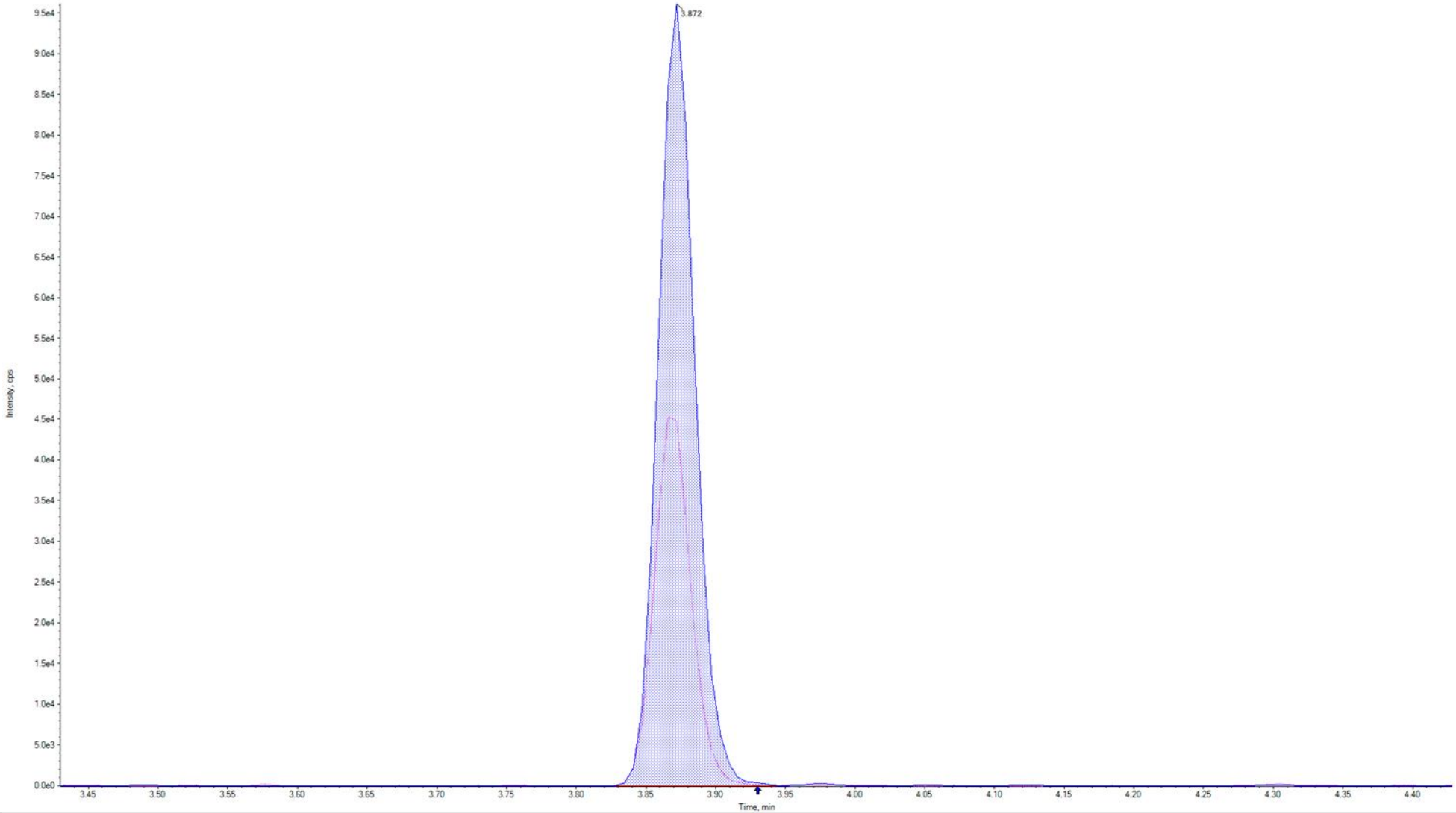


8:2FTS
Sample: WG2011107-3R S/N:2287.4 Points Across peak:28



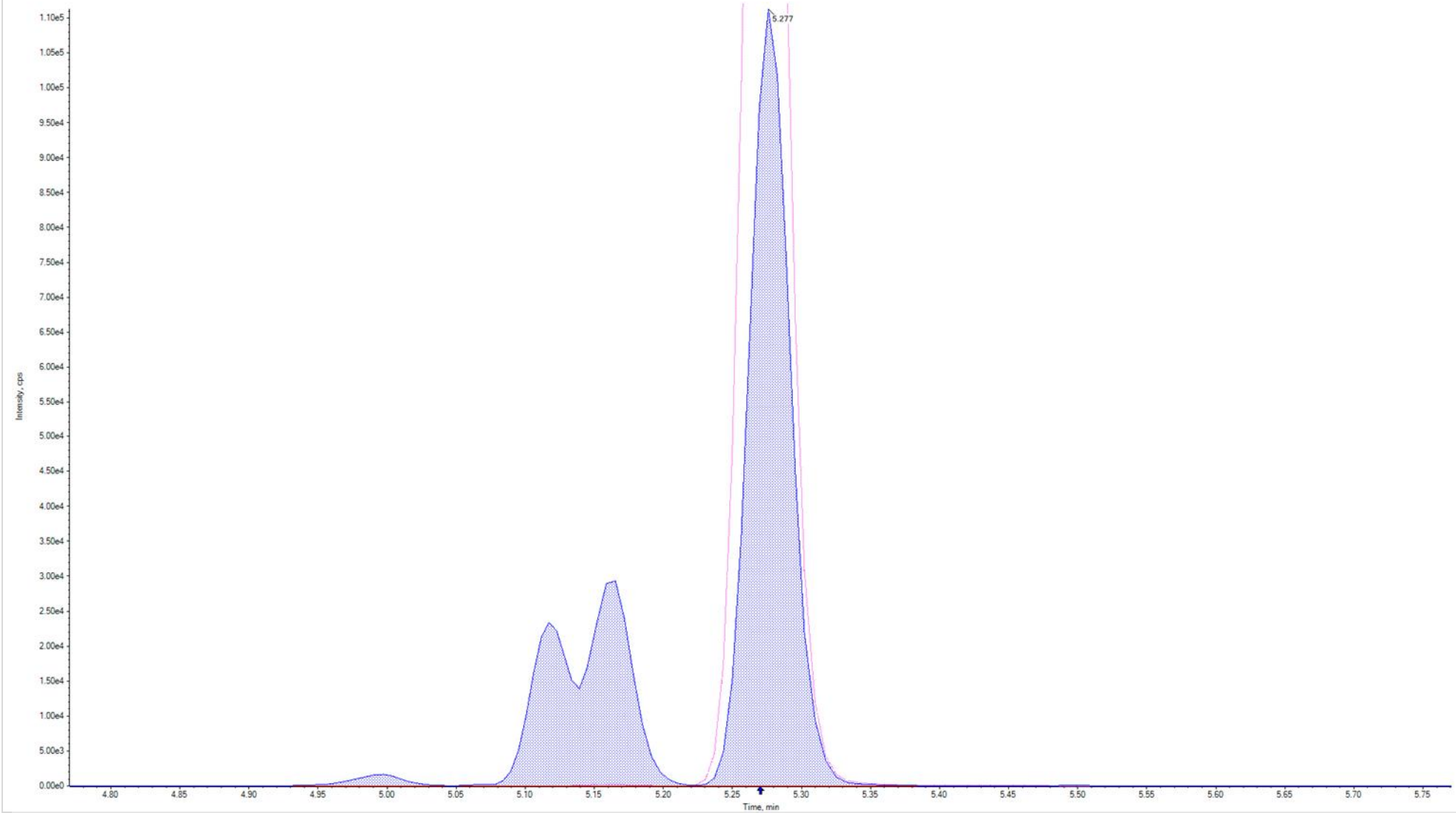
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

8:2FTS_2
Sample: WG2011107-3R S/N:1927.9 Points Across peak:24



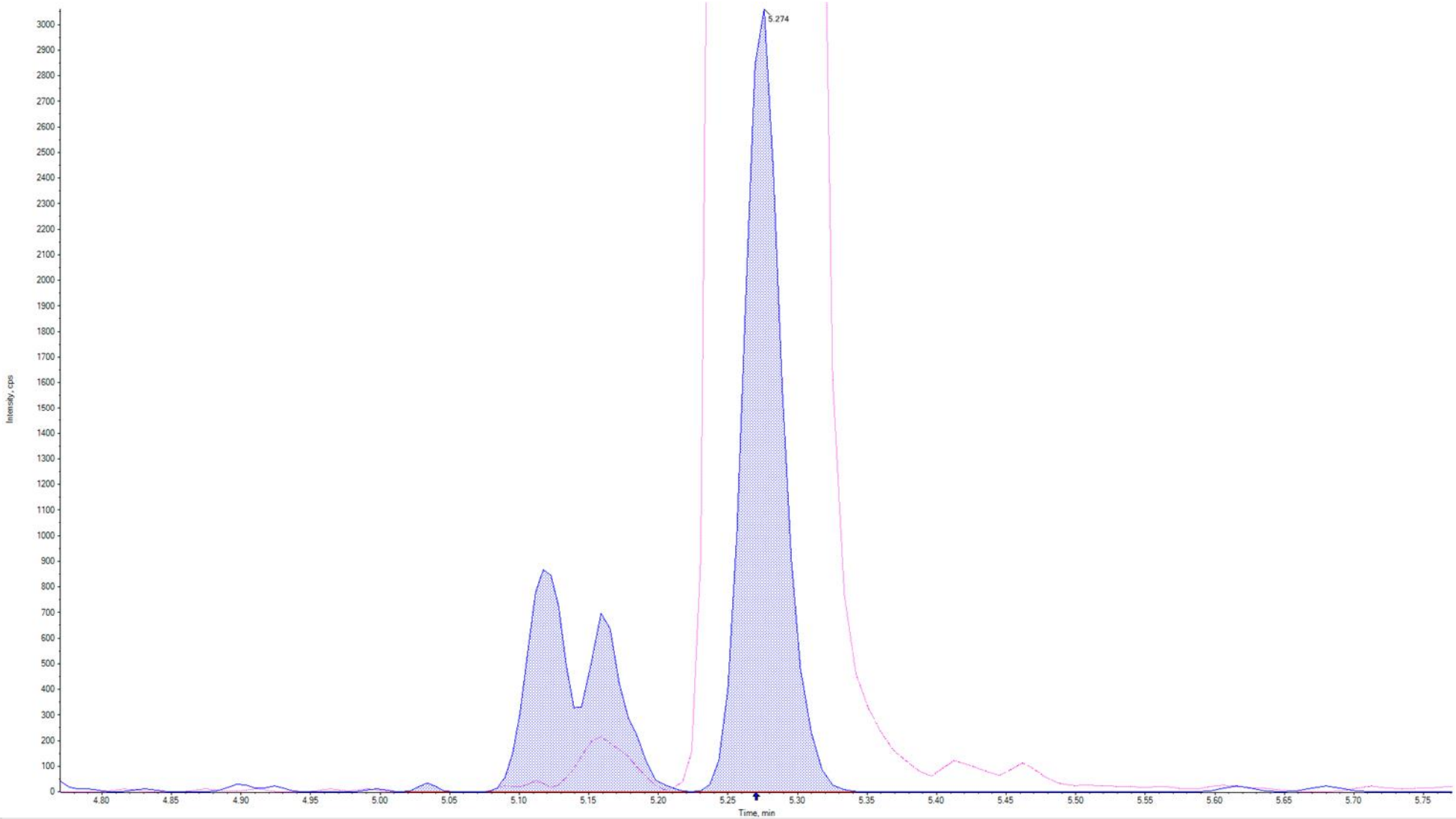
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFOSA
Sample: WG2011107-3R S/N:236.1 Points Across peak:74



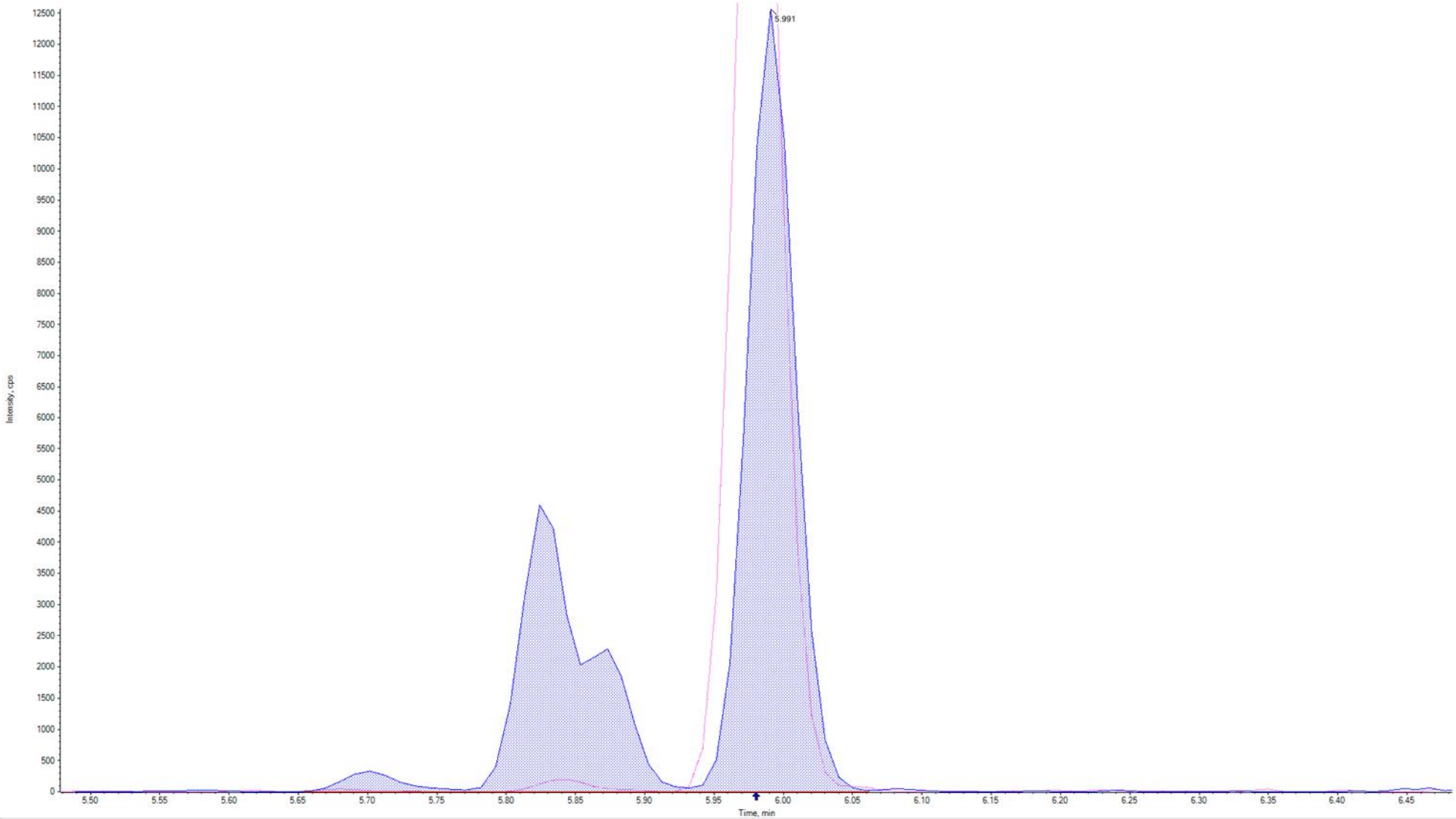
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFOSA_2
Sample: WG2011107-3R S/N:190.3 Points Across peak:56



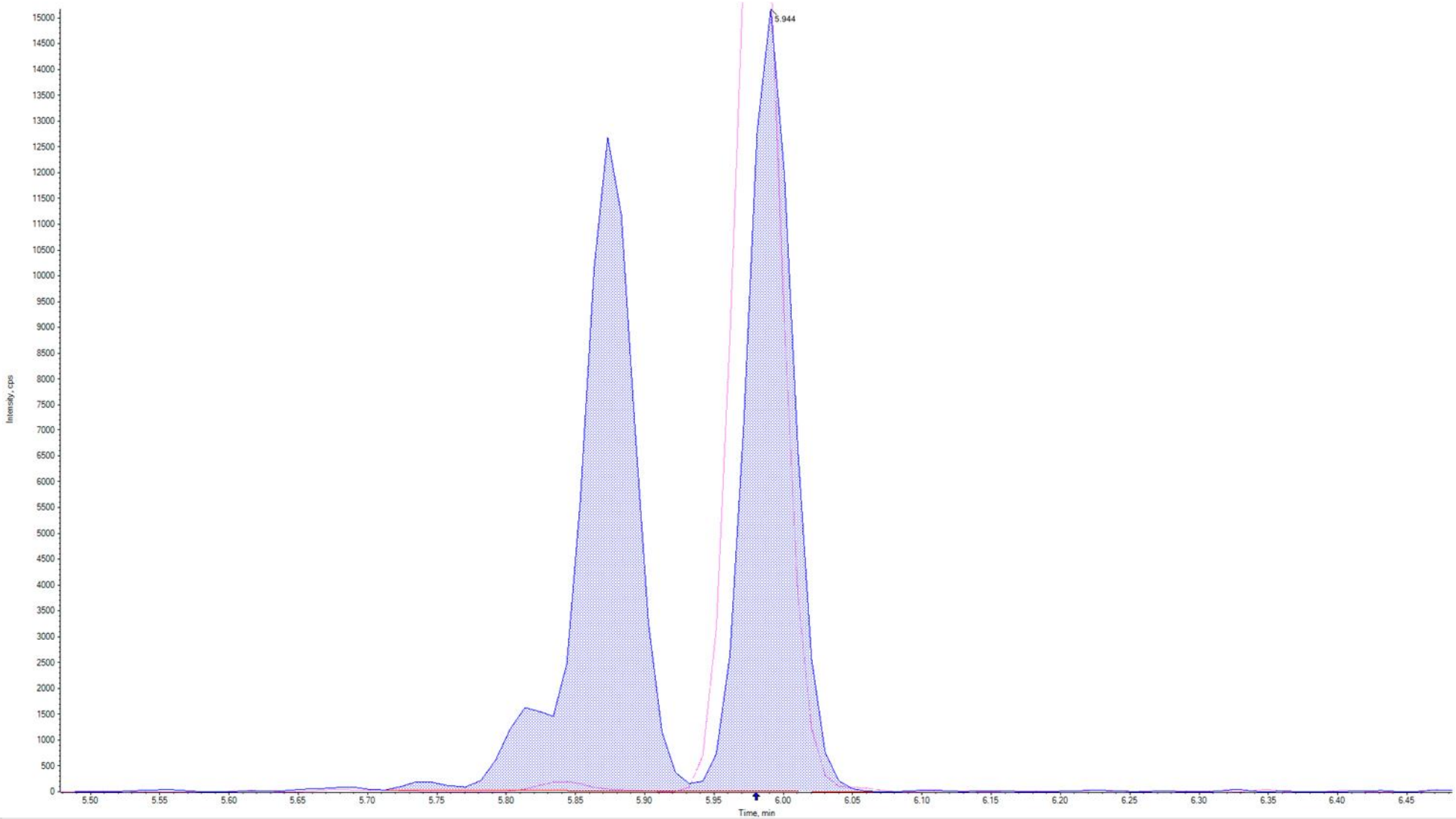
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

NMeFOSA
Sample: WG2011107-3R S/N:233.2 Points Across peak:43



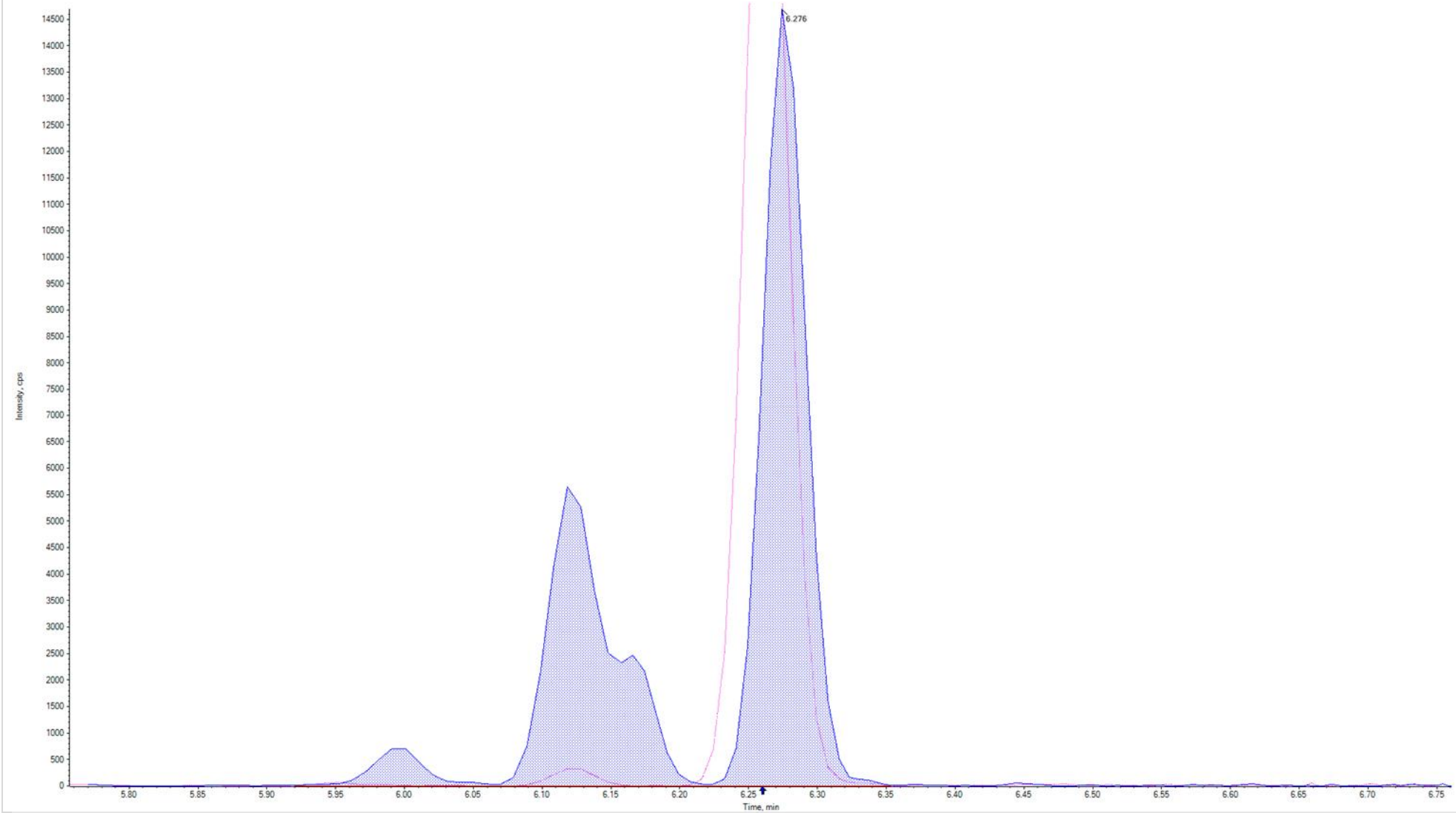
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

NMeFOSA_2
Sample: WG2011107-3R S/N:237.7 Points Across peak:36



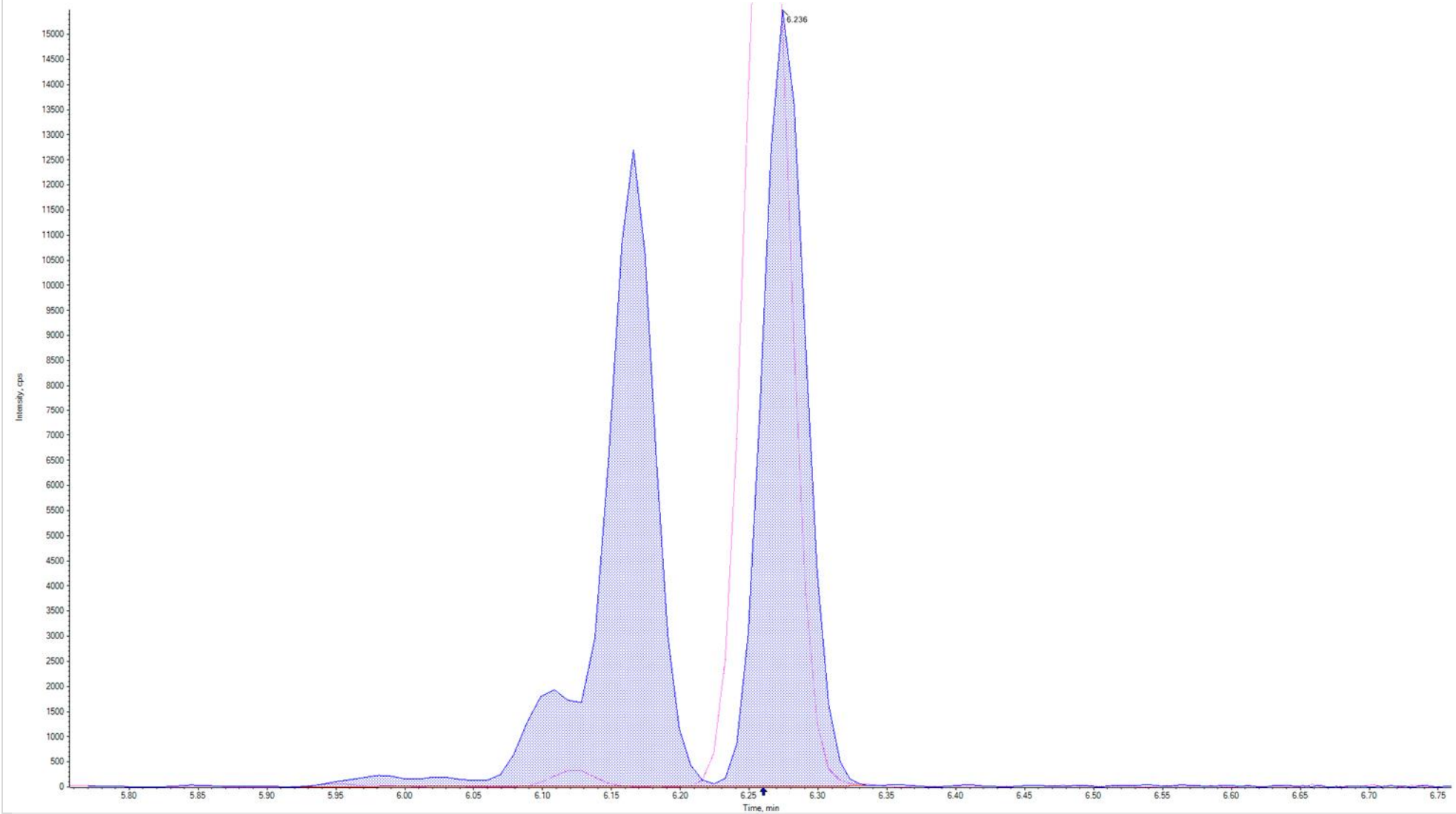
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

NEtFOSA
Sample: WG2011107-3R S/N:529.3 Points Across peak:51



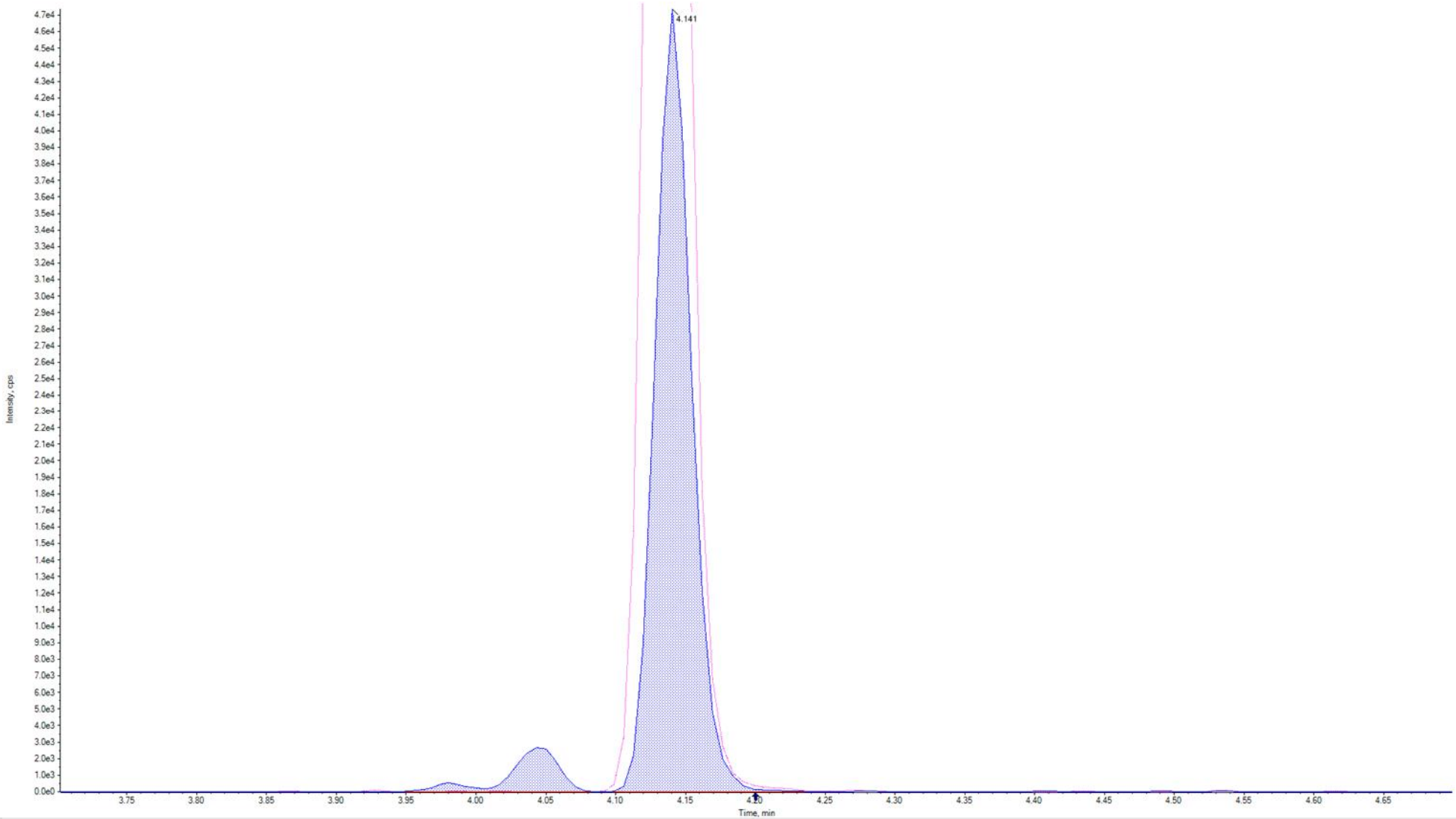
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

NEtFOSA_2
Sample: WG2011107-3R S/N:629.9 Points Across peak:48



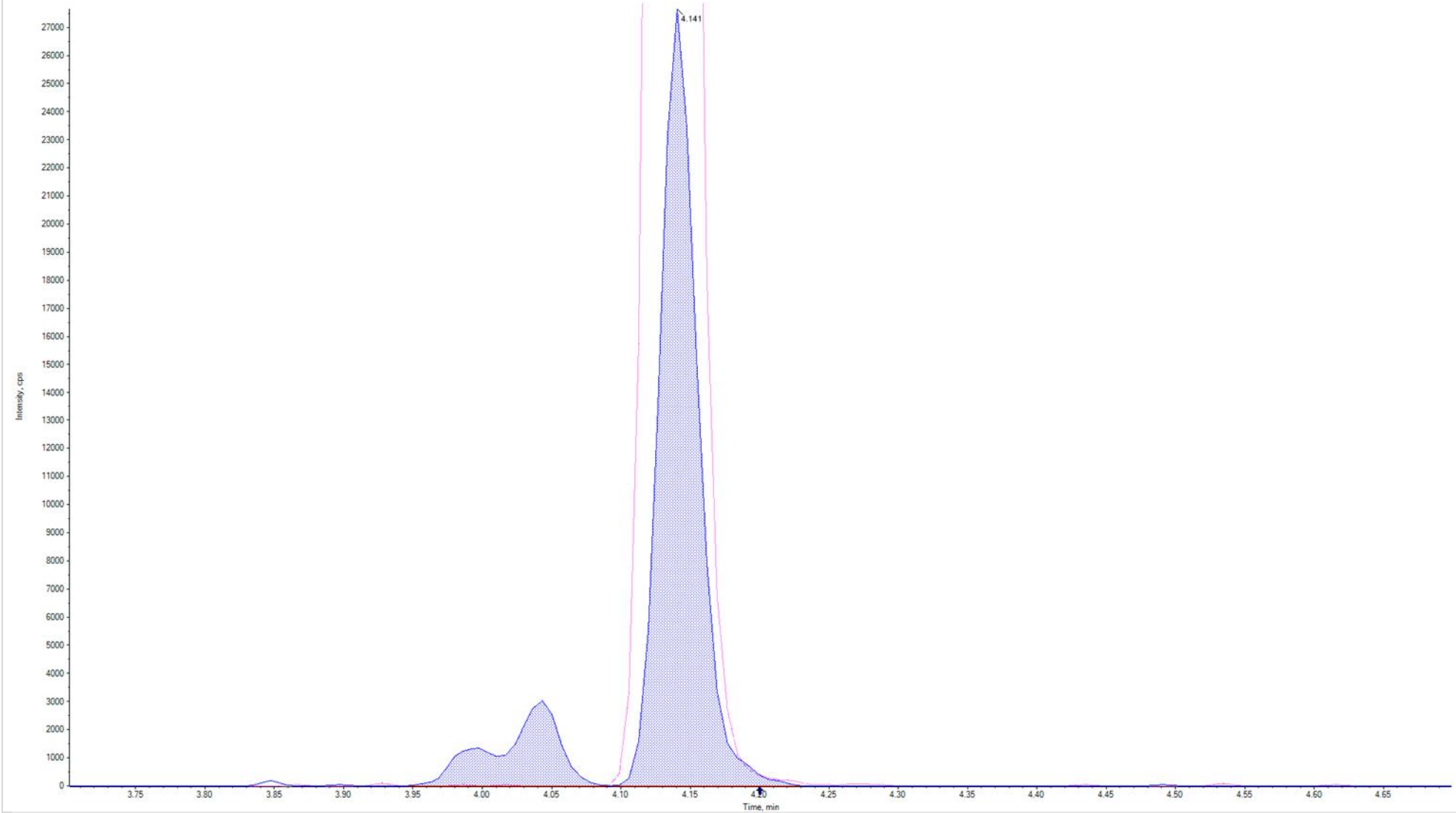
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

NMeFOSAA
Sample: WG2011107-3R S/N:949.7 Points Across peak:47



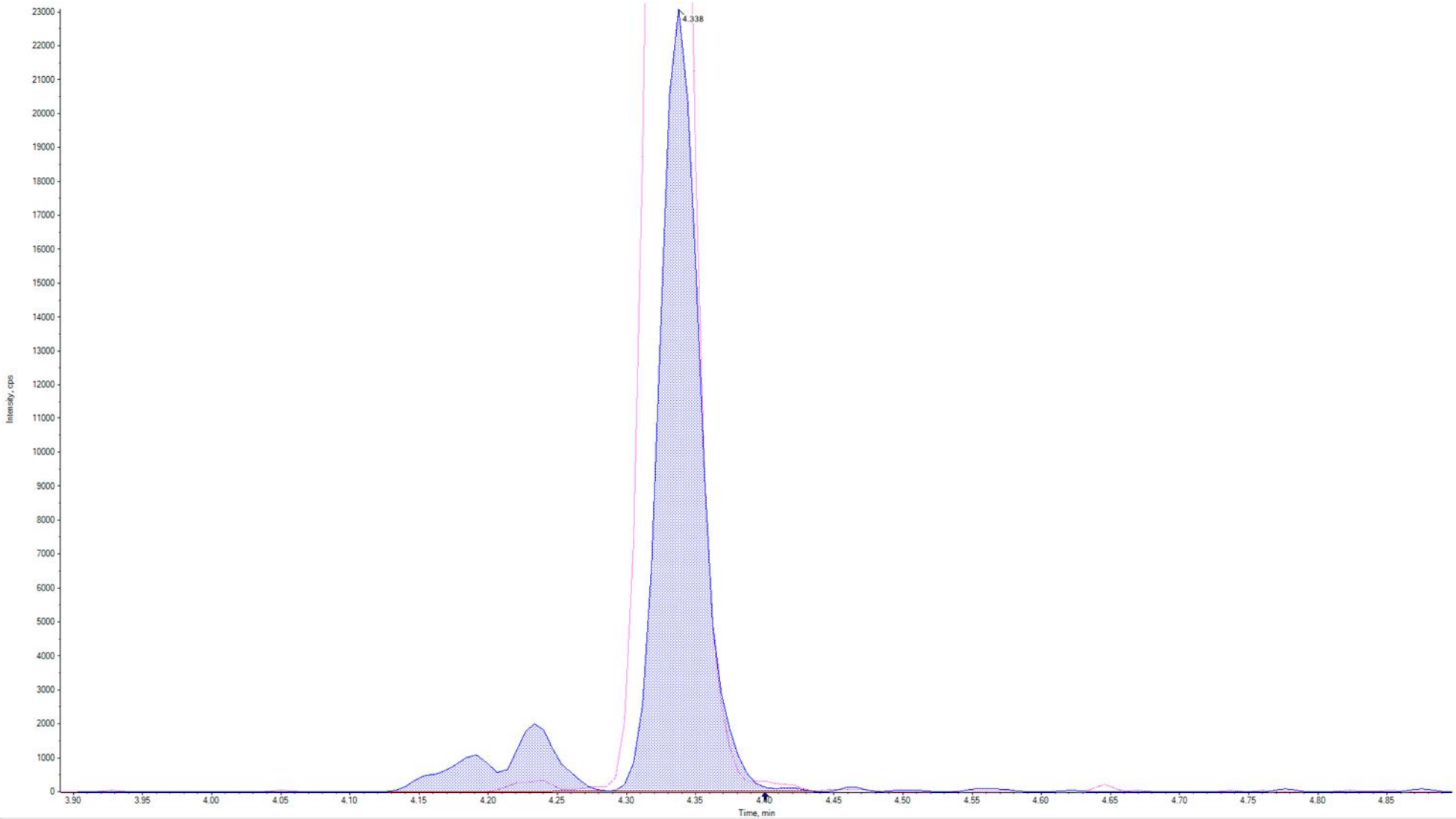
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

NMeFOSAA_2
Sample: WG2011107-3R S/N:554.5 Points Across peak:47



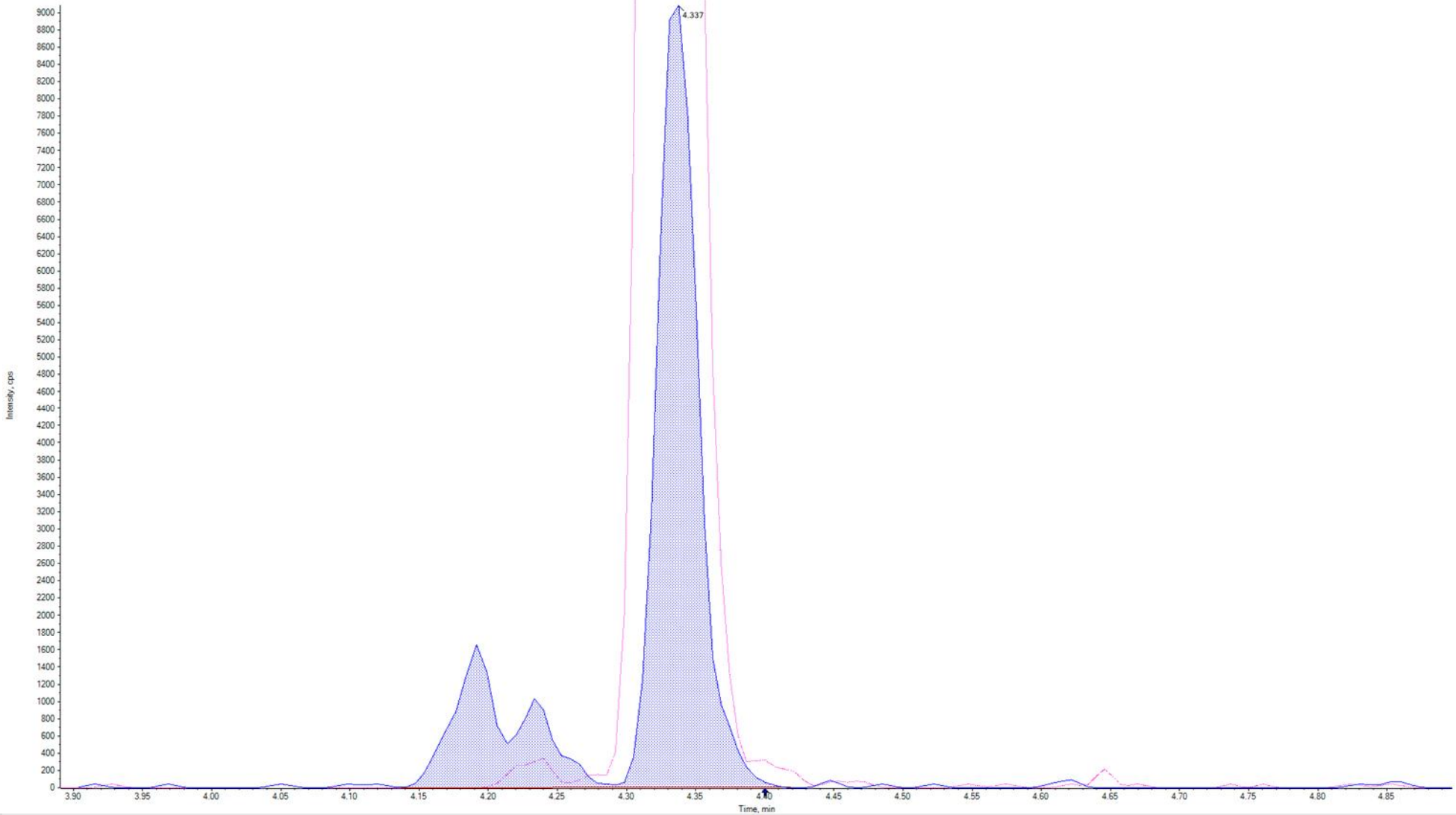
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

NEtFOSAA
Sample: WG2011107-3R S/N:503.1 Points Across peak:49



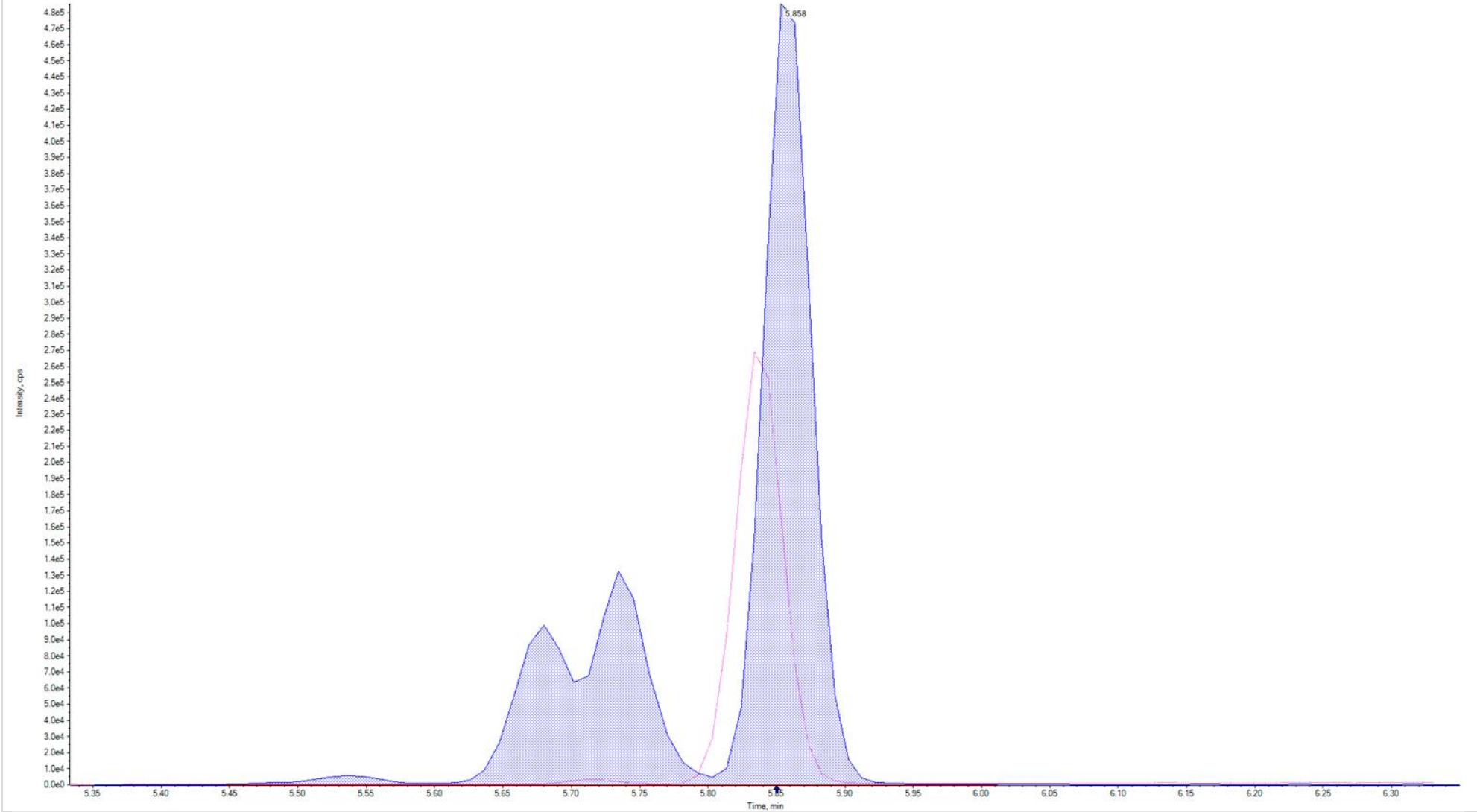
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

NEtFOSAA_2
Sample: WG2011107-3R S/N:204.8 Points Across peak:44



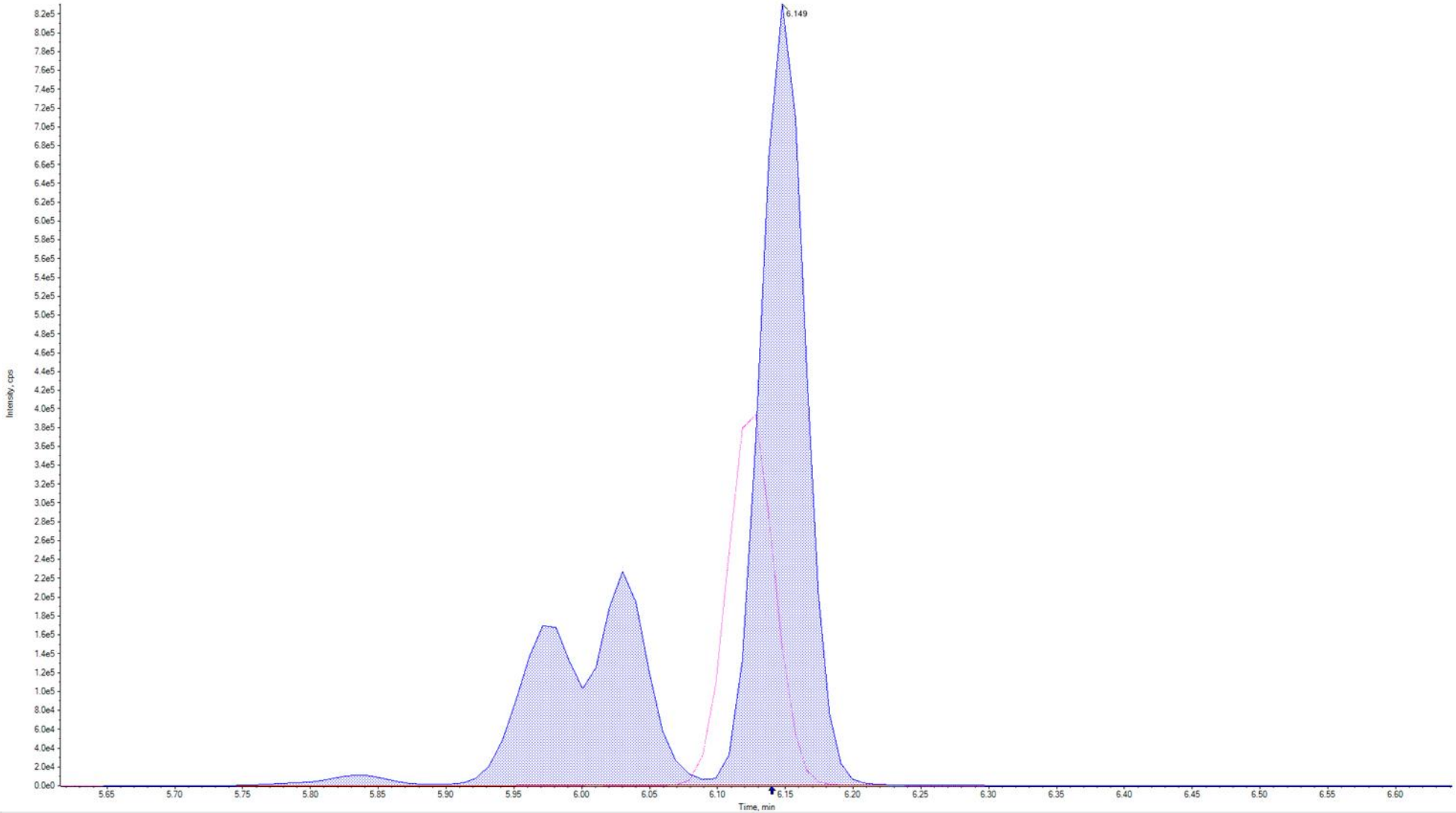
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

NMeFOSE
Sample: WG2011107-3R S/N:203.8 Points Across peak:62



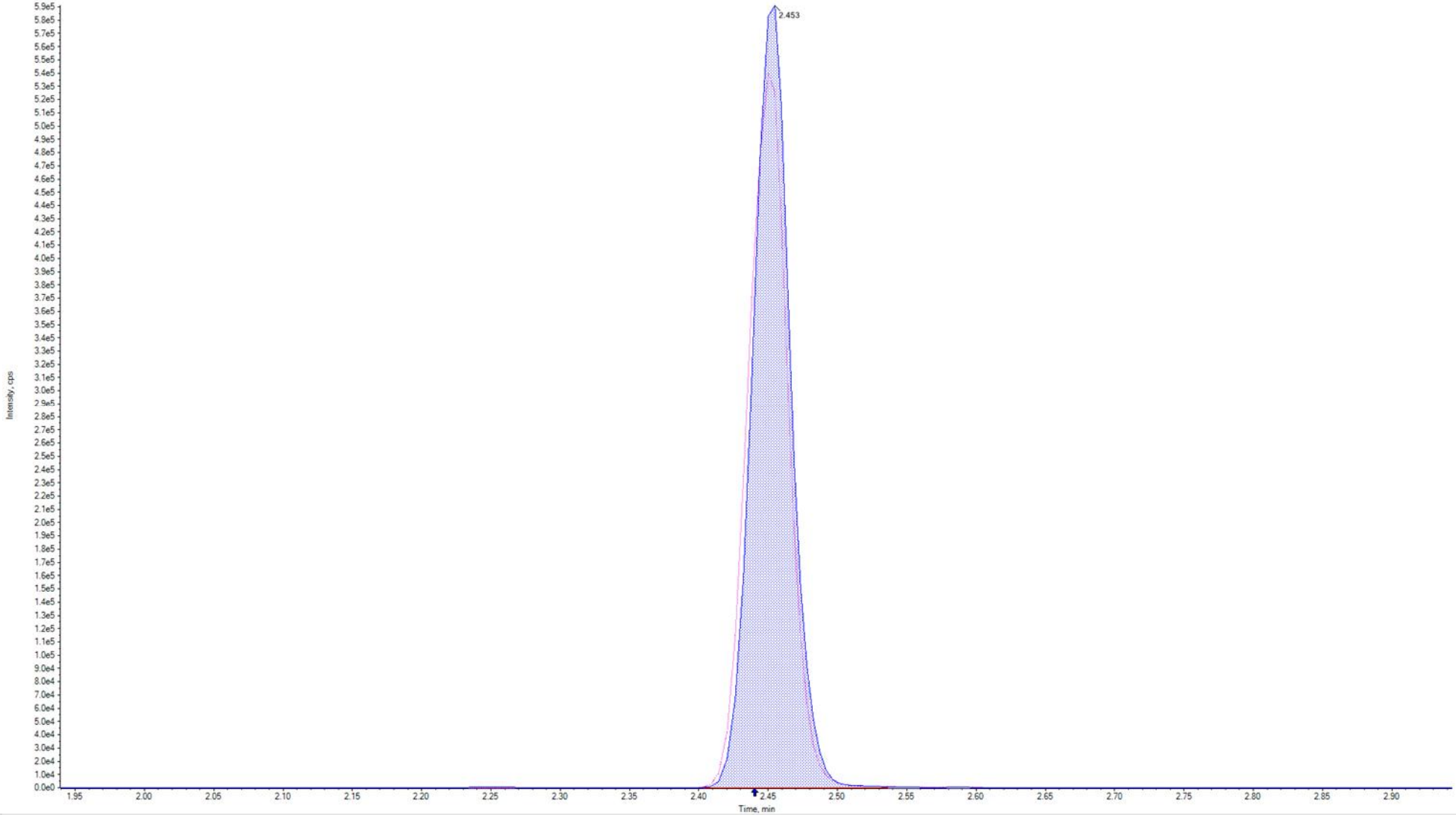
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

NEtFOSE
Sample: WG2011107-3R S/N:428.2 Points Across peak:56



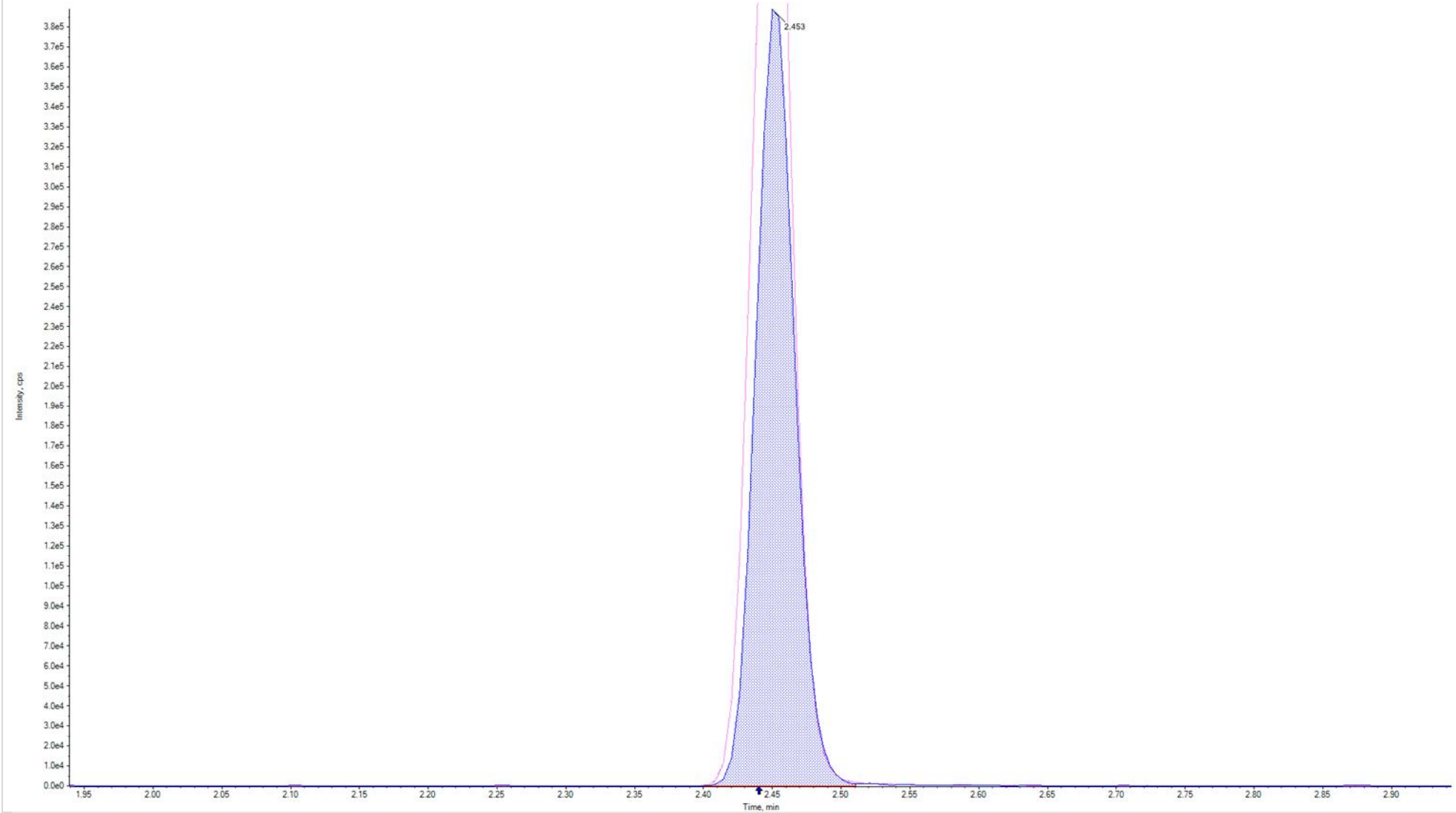
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

HFPO-DA
Sample: WG2011107-3R S/N:7440.4 Points Across peak:30



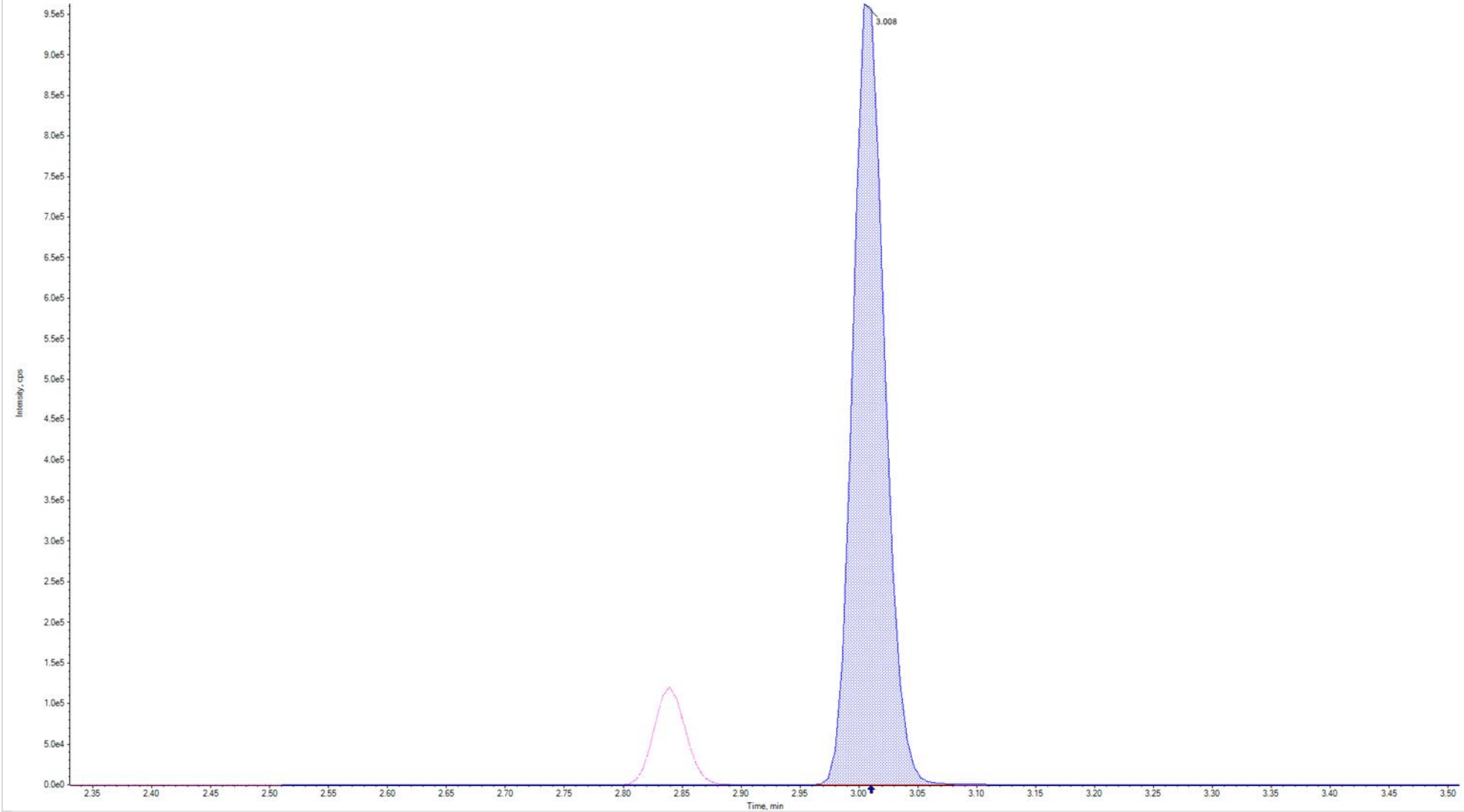
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

HFPO-DA_2
Sample: WG2011107-3R S/N:8773.2 Points Across peak:25



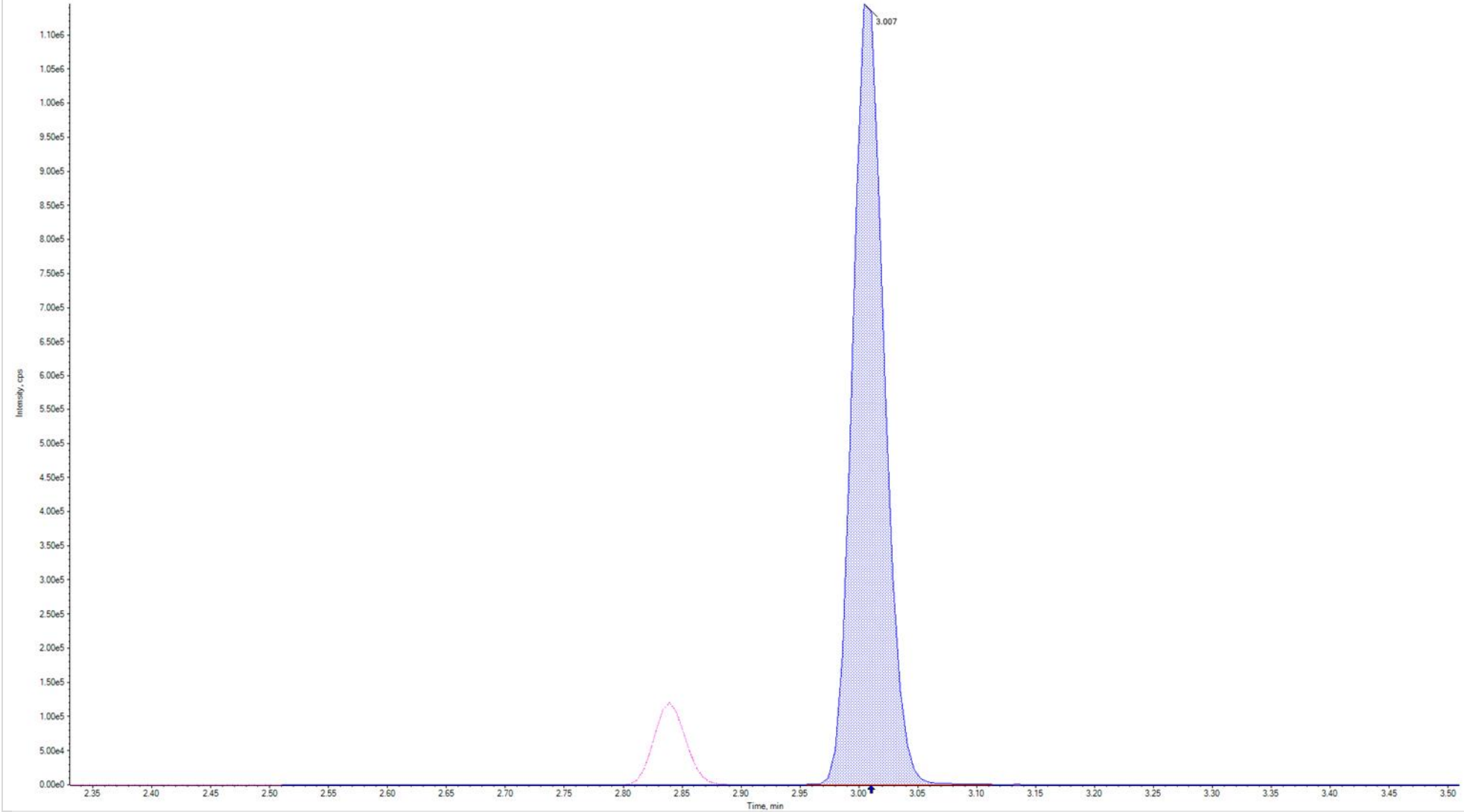
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

ADONA
Sample: WG2011107-3R S/N:19304.0 Points Across peak:21



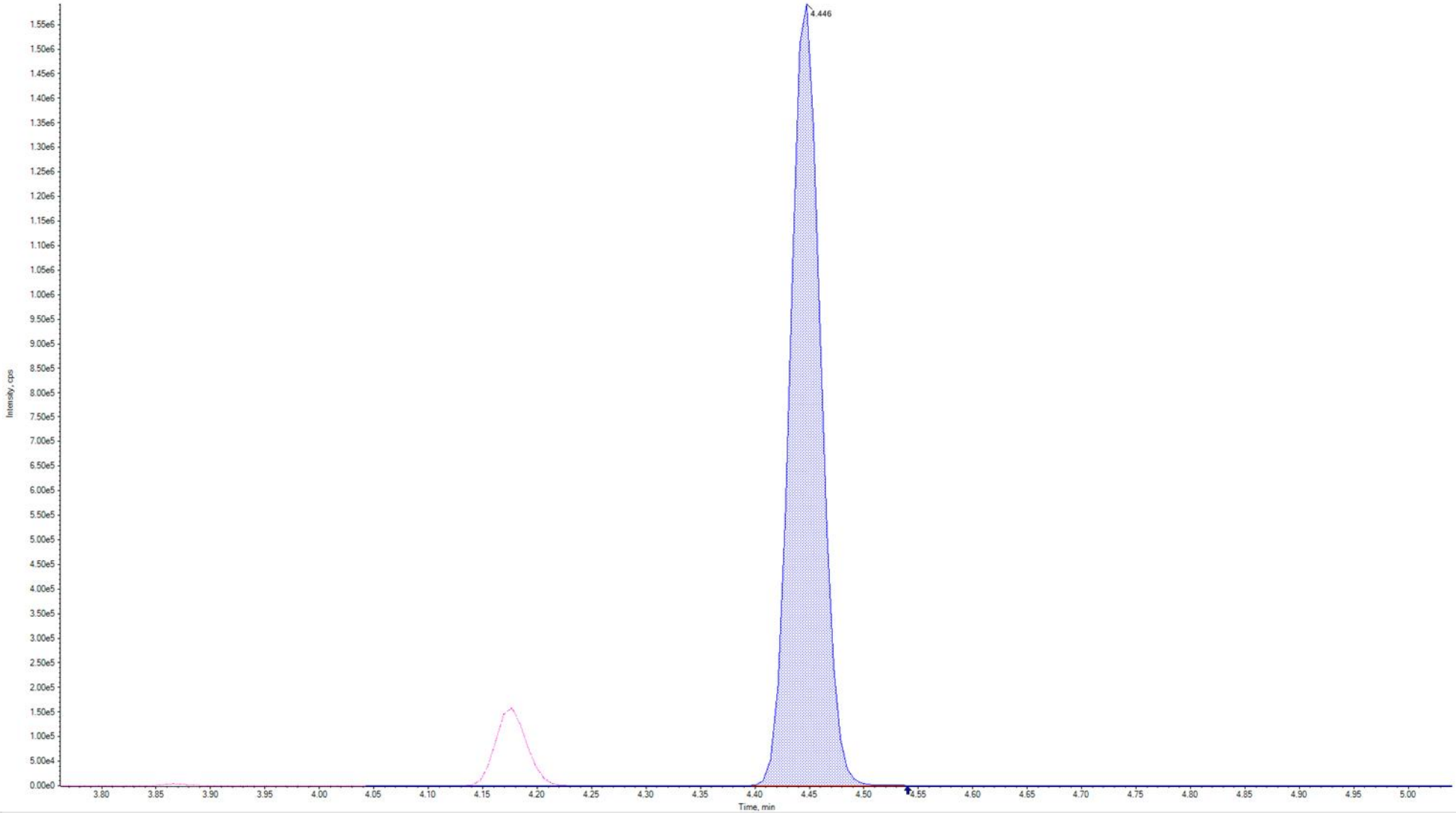
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

ADONA_2
Sample: WG2011107-3R S/N:5607.6 Points Across peak:35



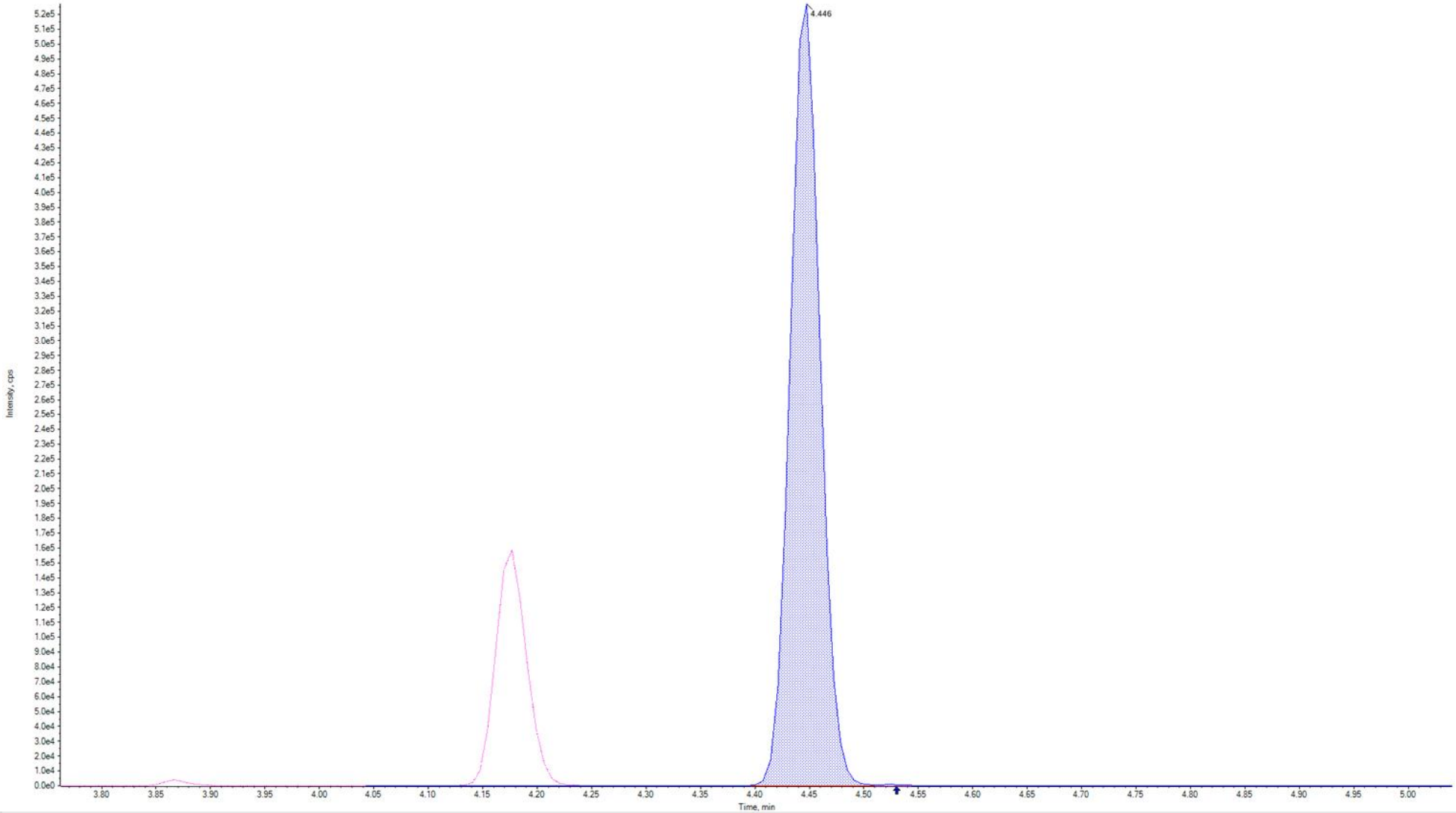
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

9Cl-PF3ONS
Sample: WG2011107-3R S/N:7141.9 Points Across peak:32



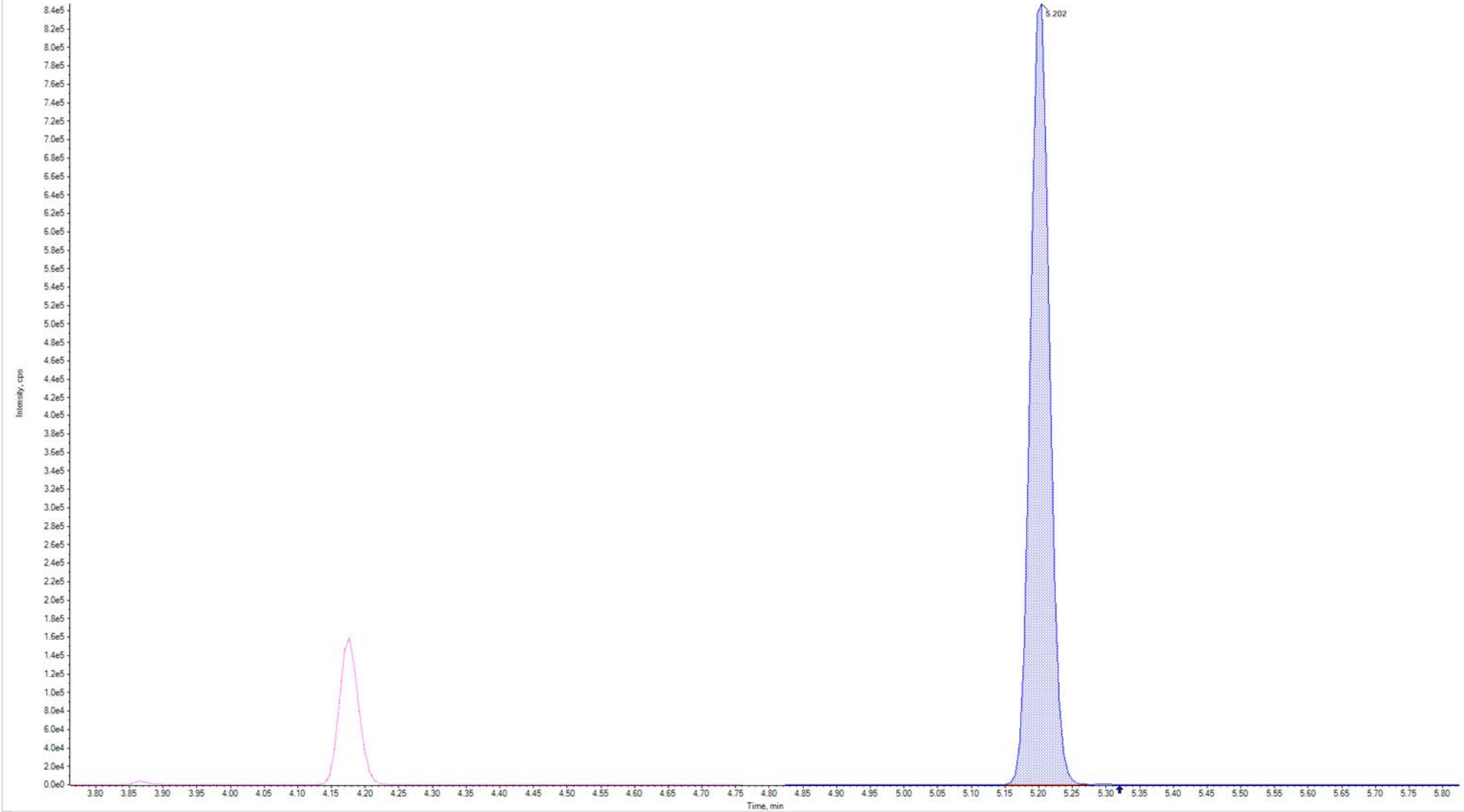
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

9Cl-PF3ONS_2
Sample: WG2011107-3R S/N:4747.7 Points Across peak:25



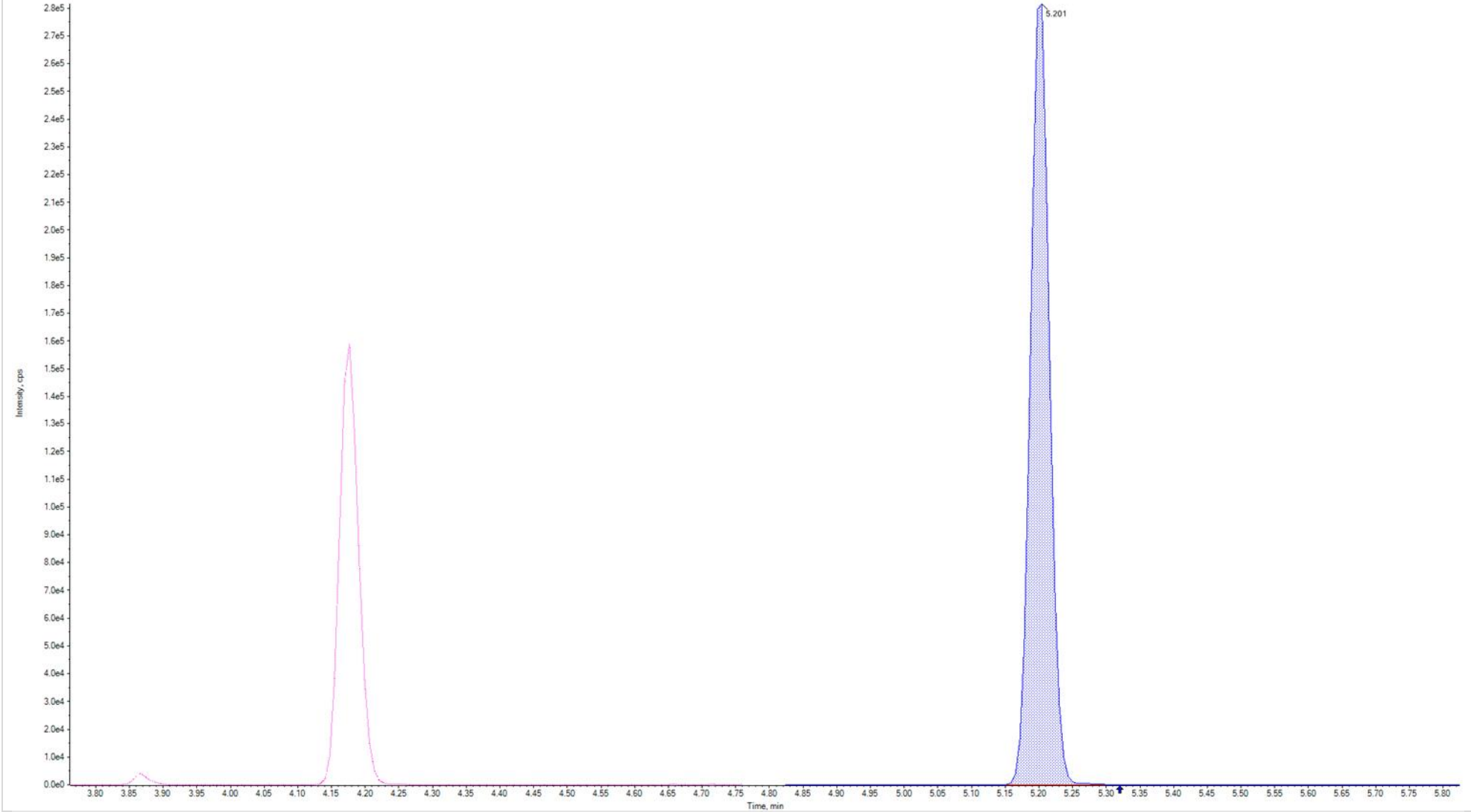
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

11Cl-PF3OUdS
Sample: WG2011107-3R S/N:9058.3 Points Across peak:30



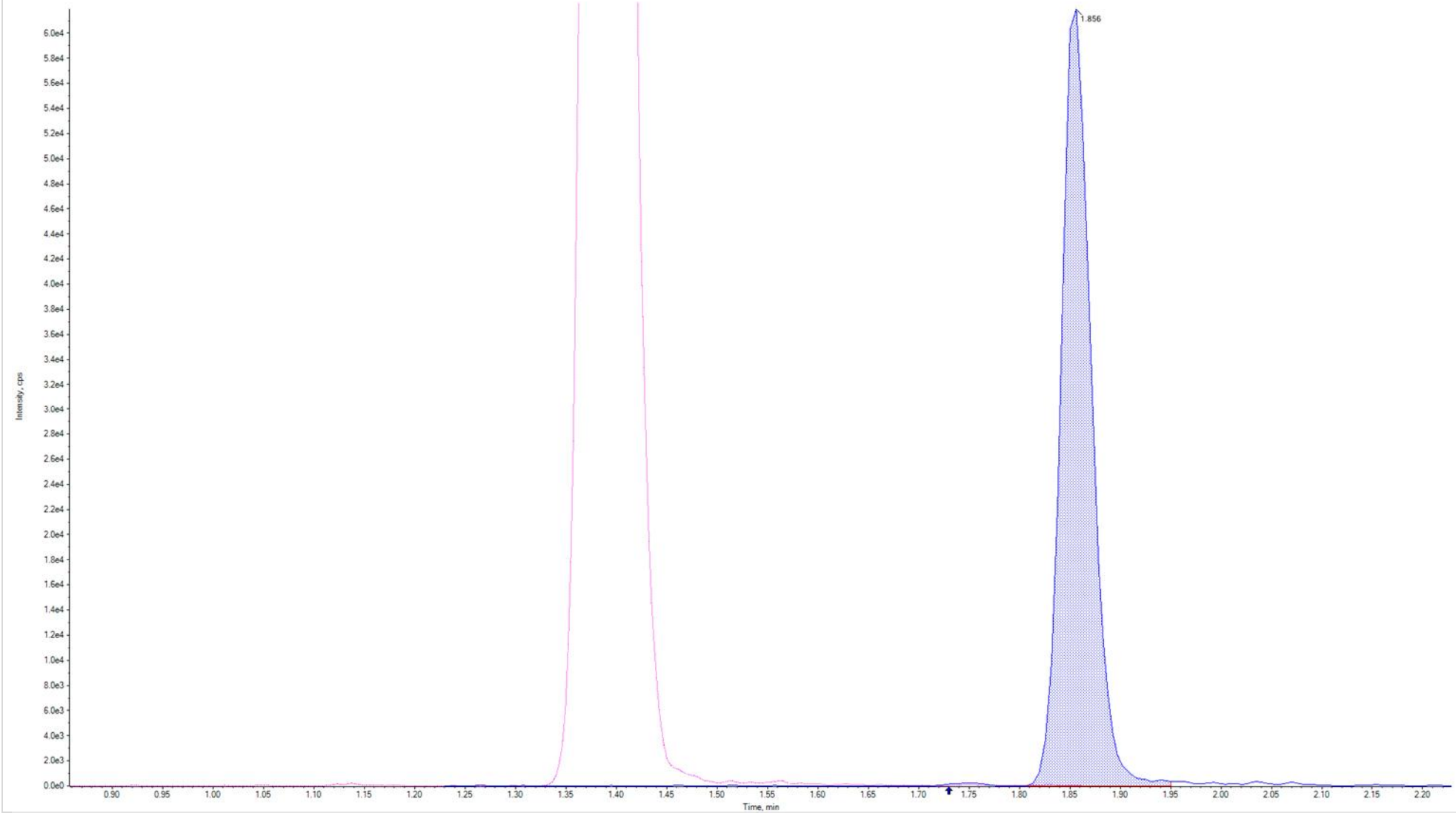
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

11Cl-PF3OUdS_2
Sample: WG2011107-3R S/N:5262.0 Points Across peak:38



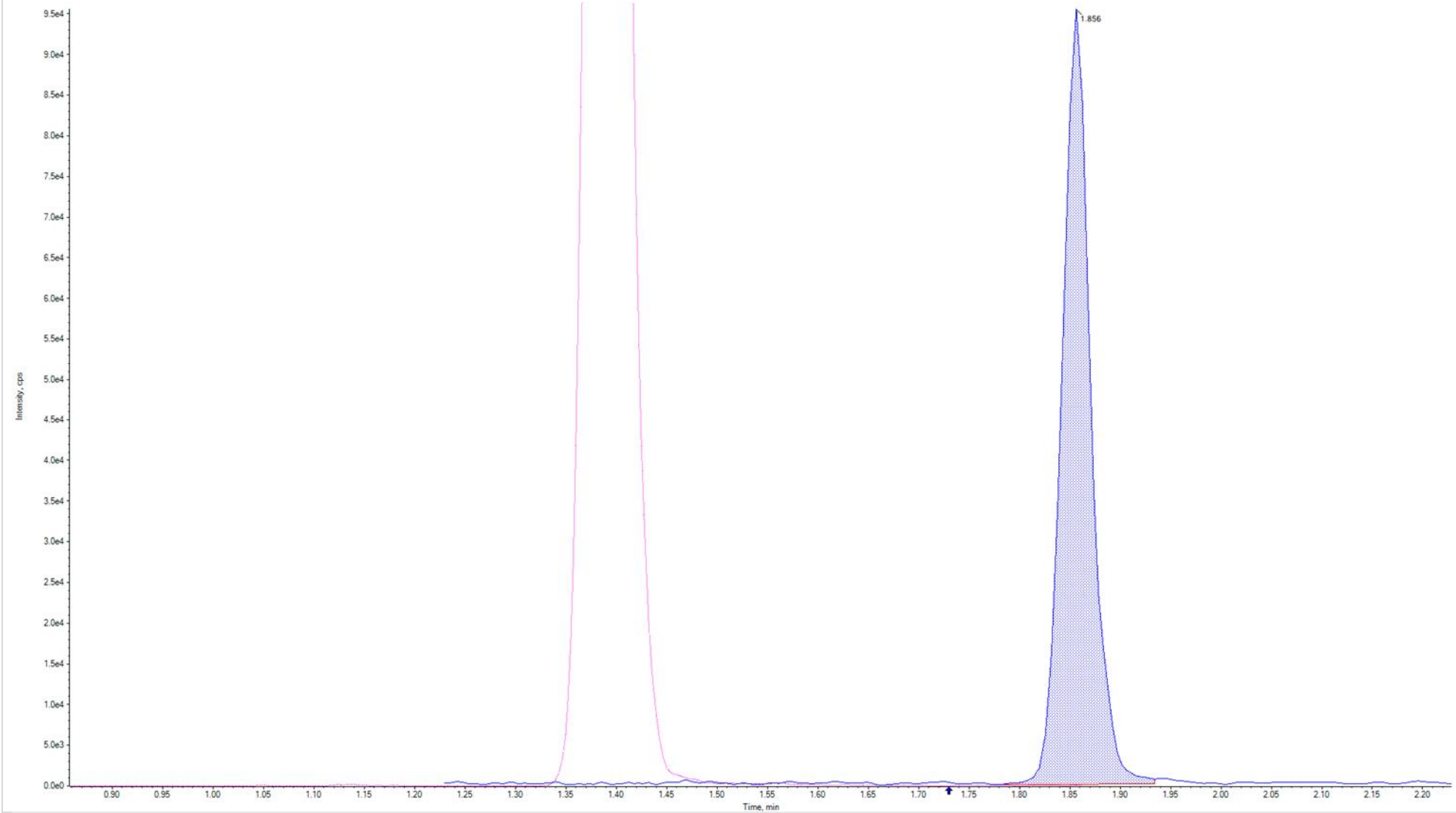
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

3:3FTCA
Sample: WG2011107-3R S/N:1552.1 Points Across peak:30



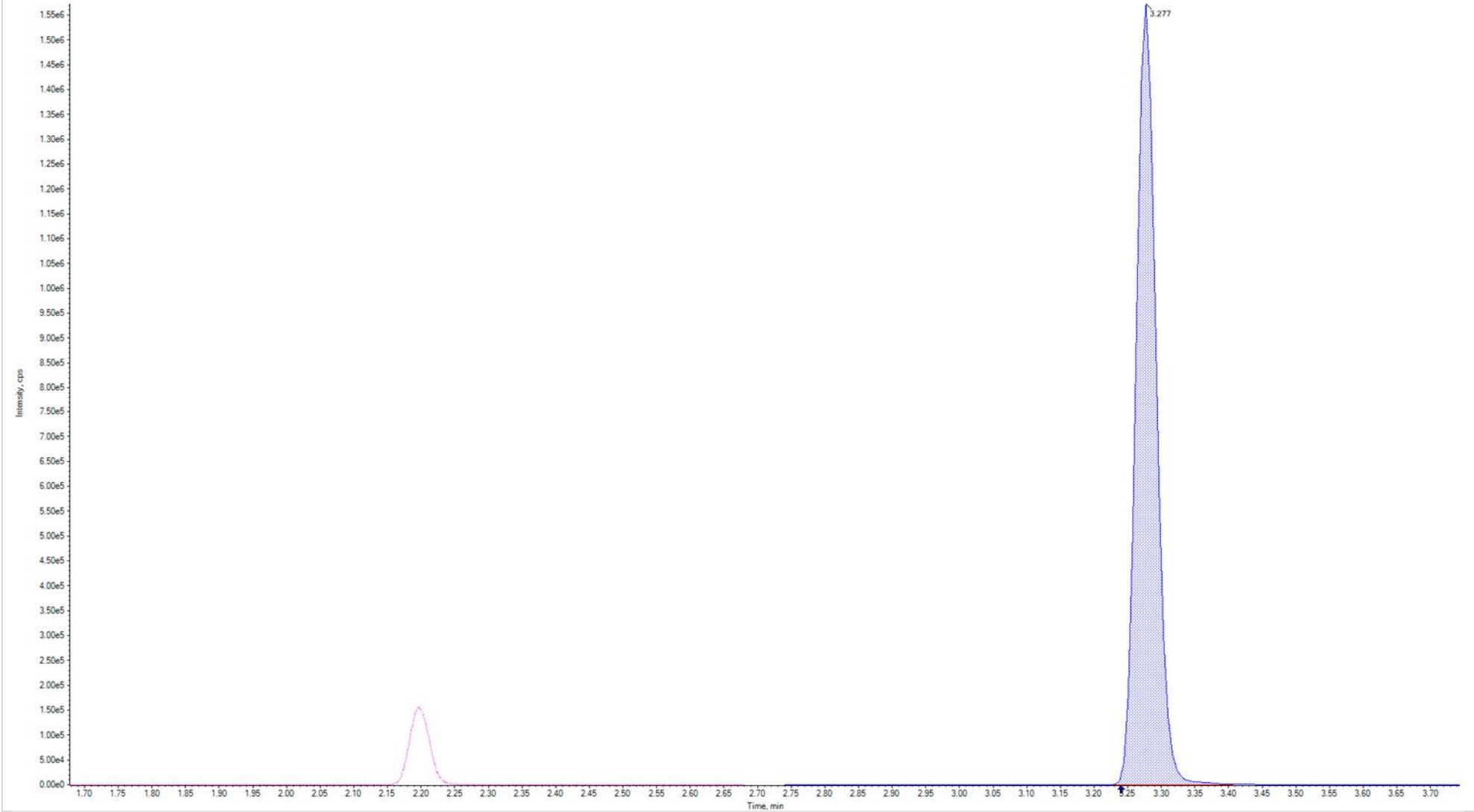
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

3:3FTCA_2
Sample: WG2011107-3R S/N:1281.1 Points Across peak:30



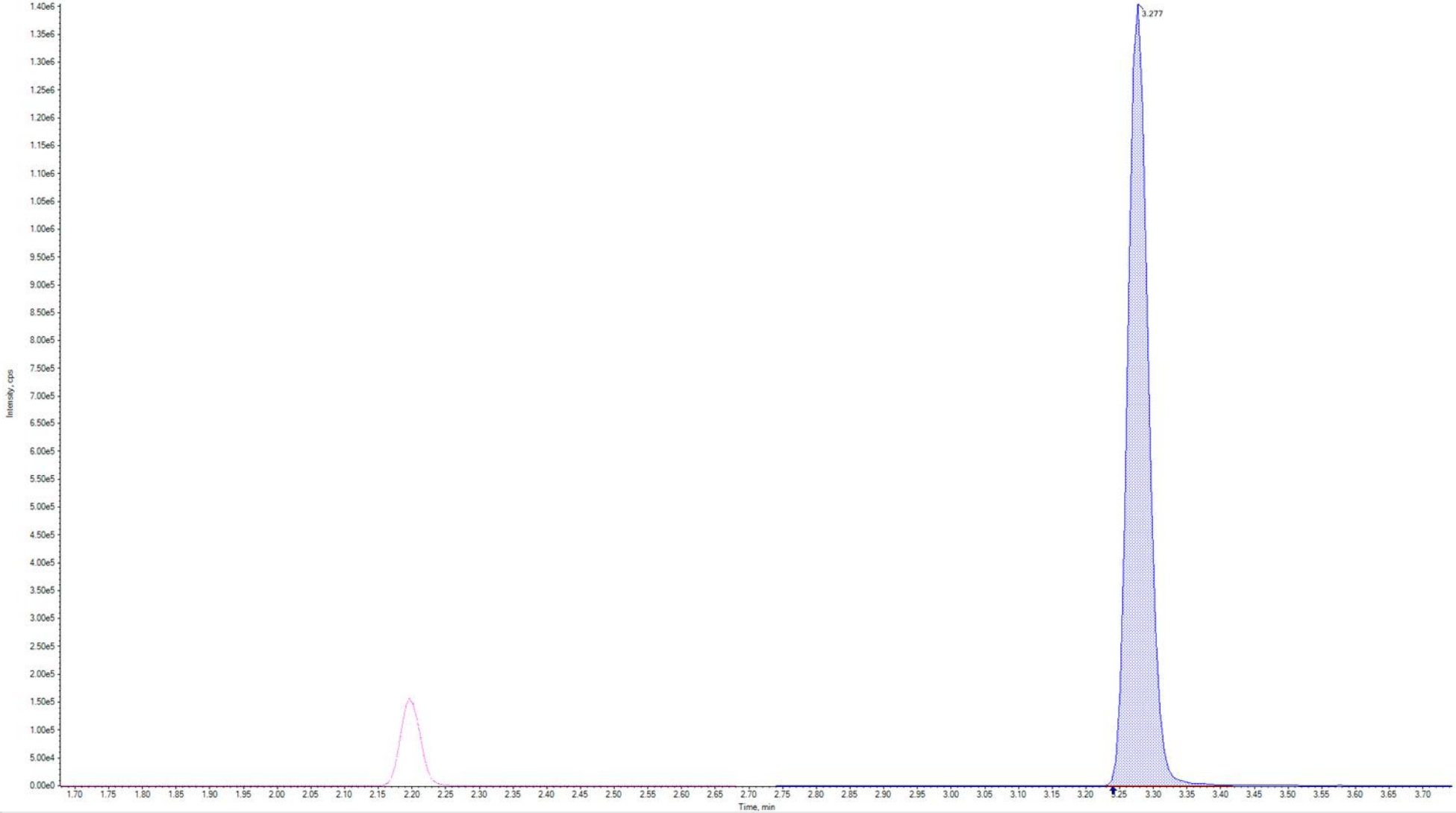
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

5:3FTCA
Sample: WG2011107-3R S/N:5691.4 Points Across peak:33



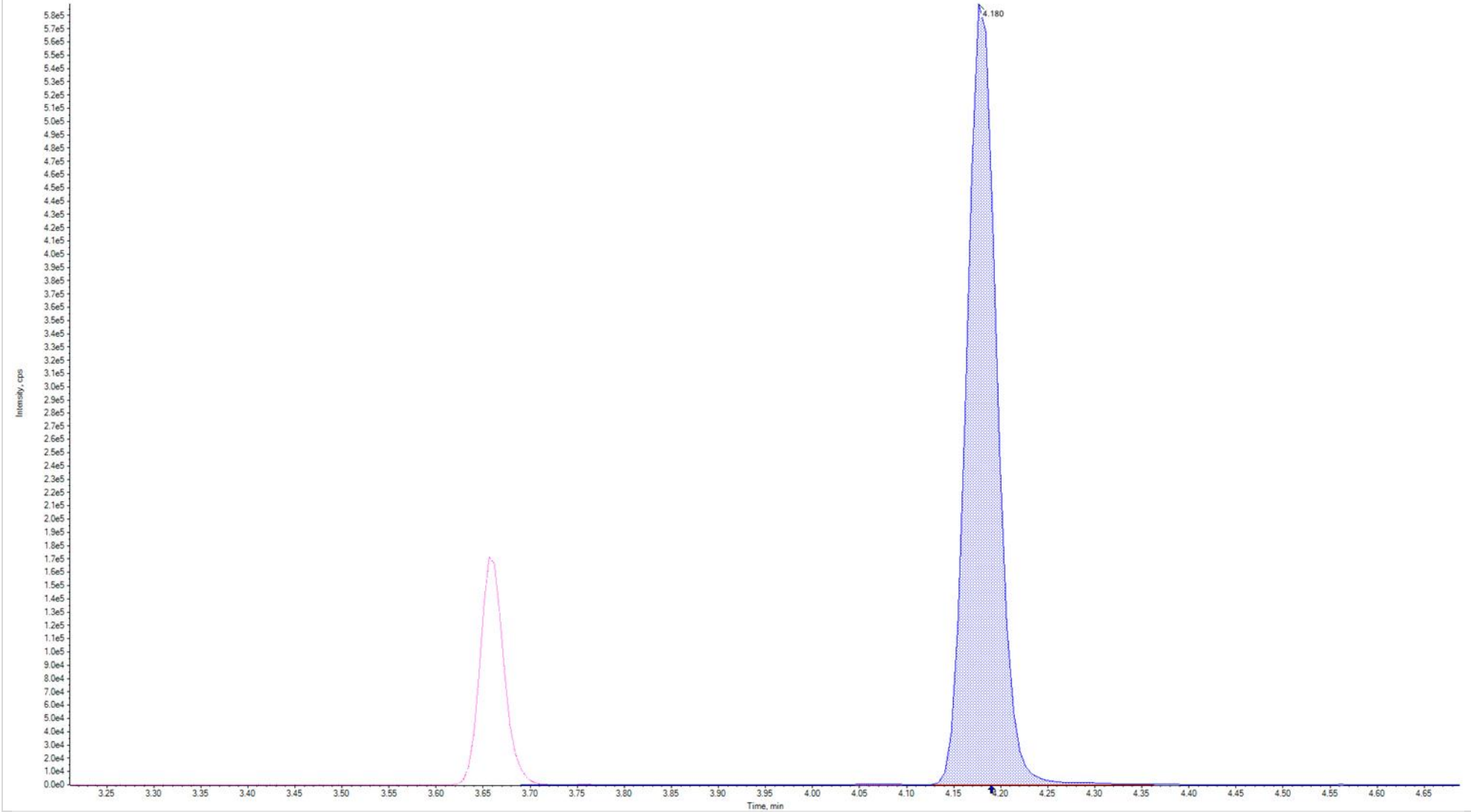
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

5:3FTCA_2
Sample: WG2011107-3R S/N:31687.3 Points Across peak:36



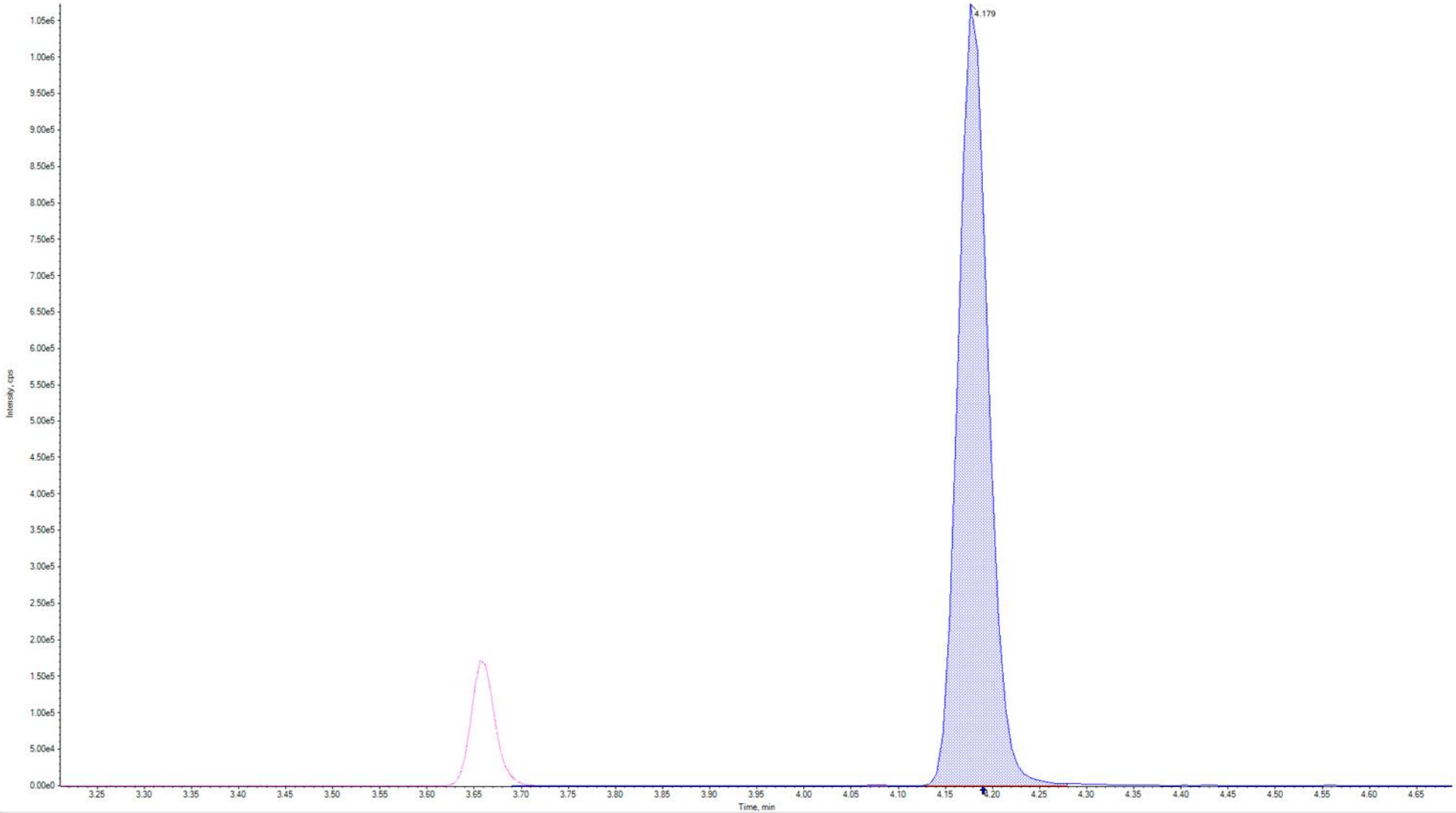
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

7:3FTCA
Sample: WG2011107-3R S/N:16229.1 Points Across peak:38



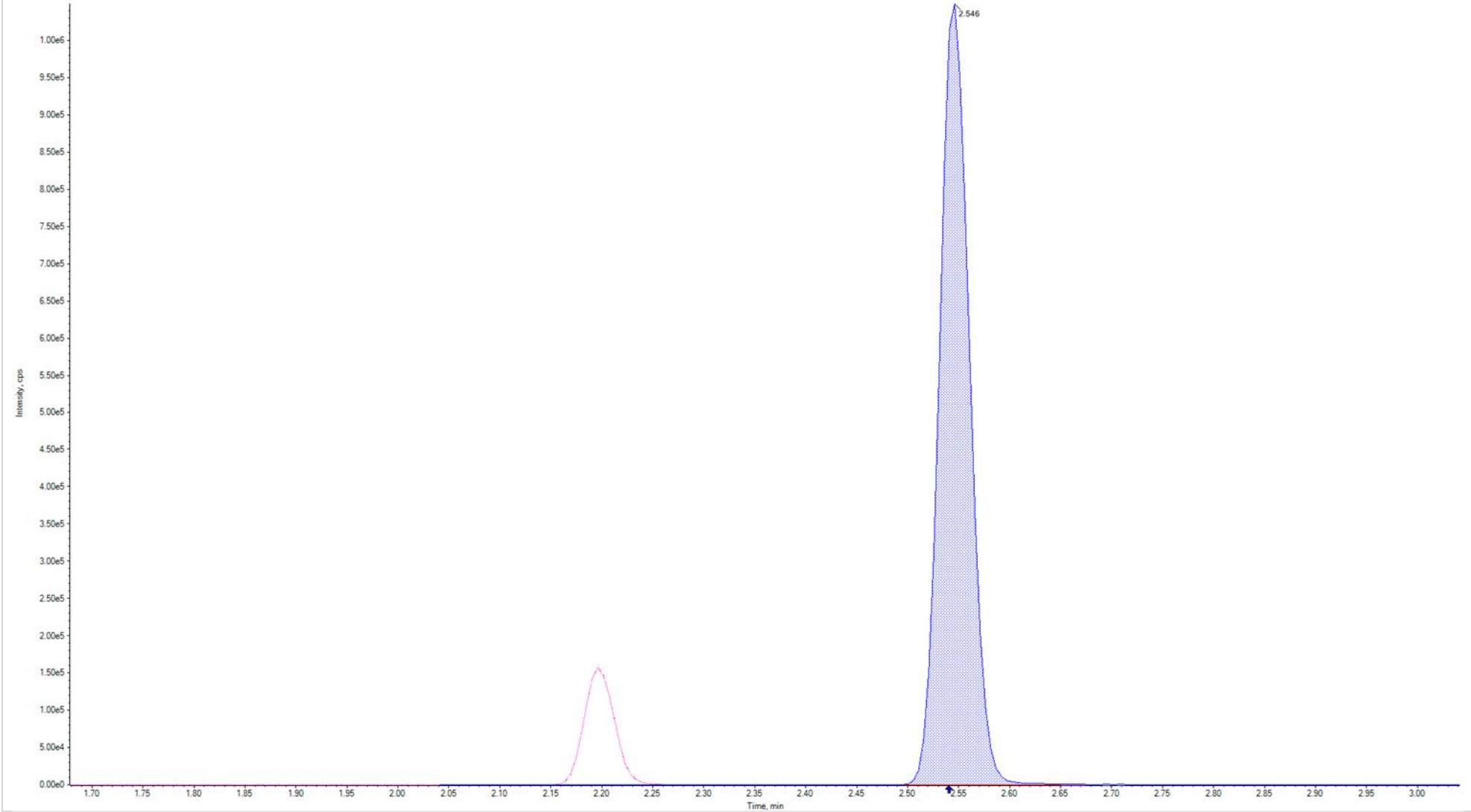
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

7:3FTCA_2
Sample: WG2011107-3R S/N:29583.8 Points Across peak:25



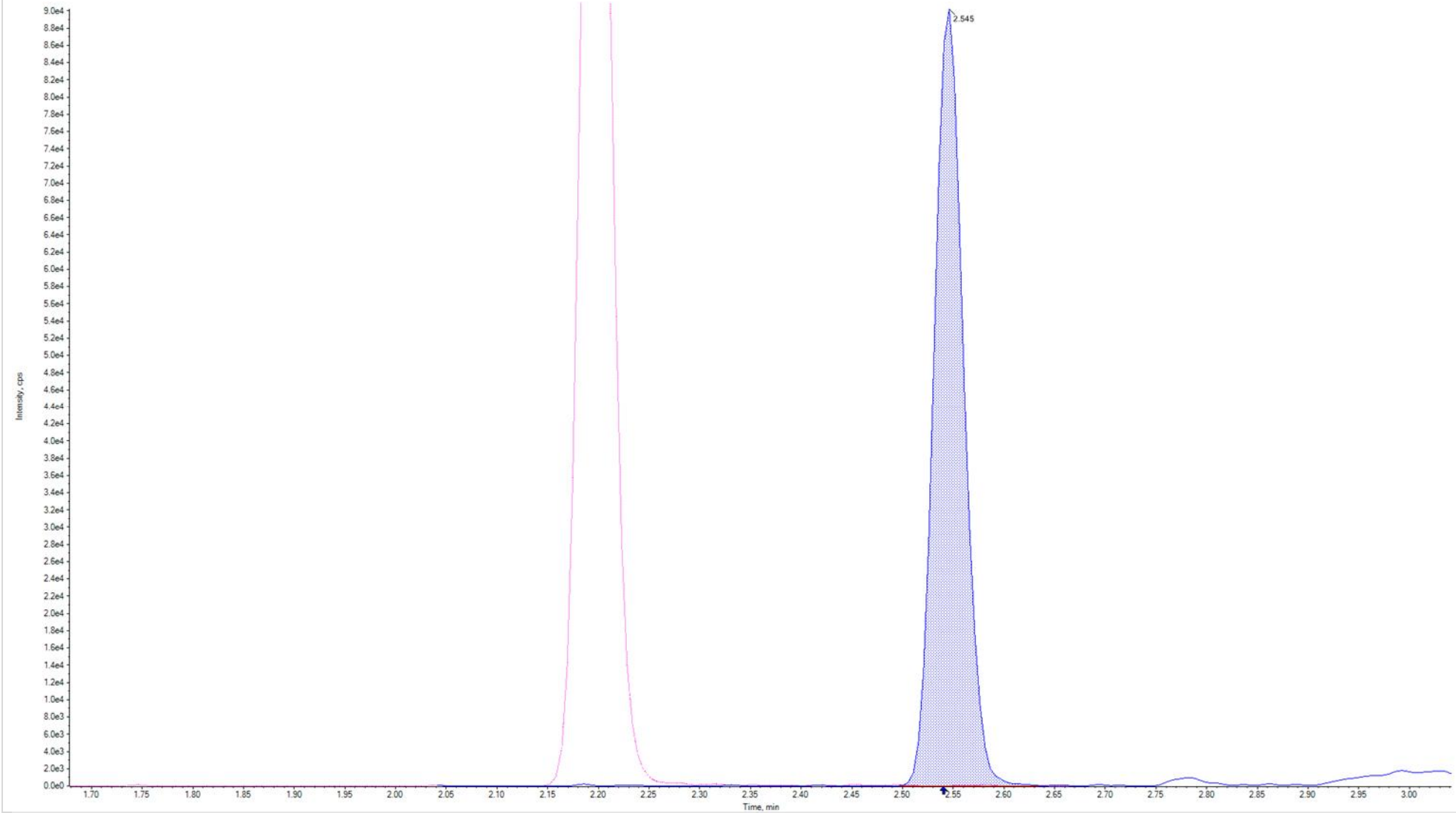
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFEESA
Sample: WG2011107-3R S/N:23667.3 Points Across peak:33



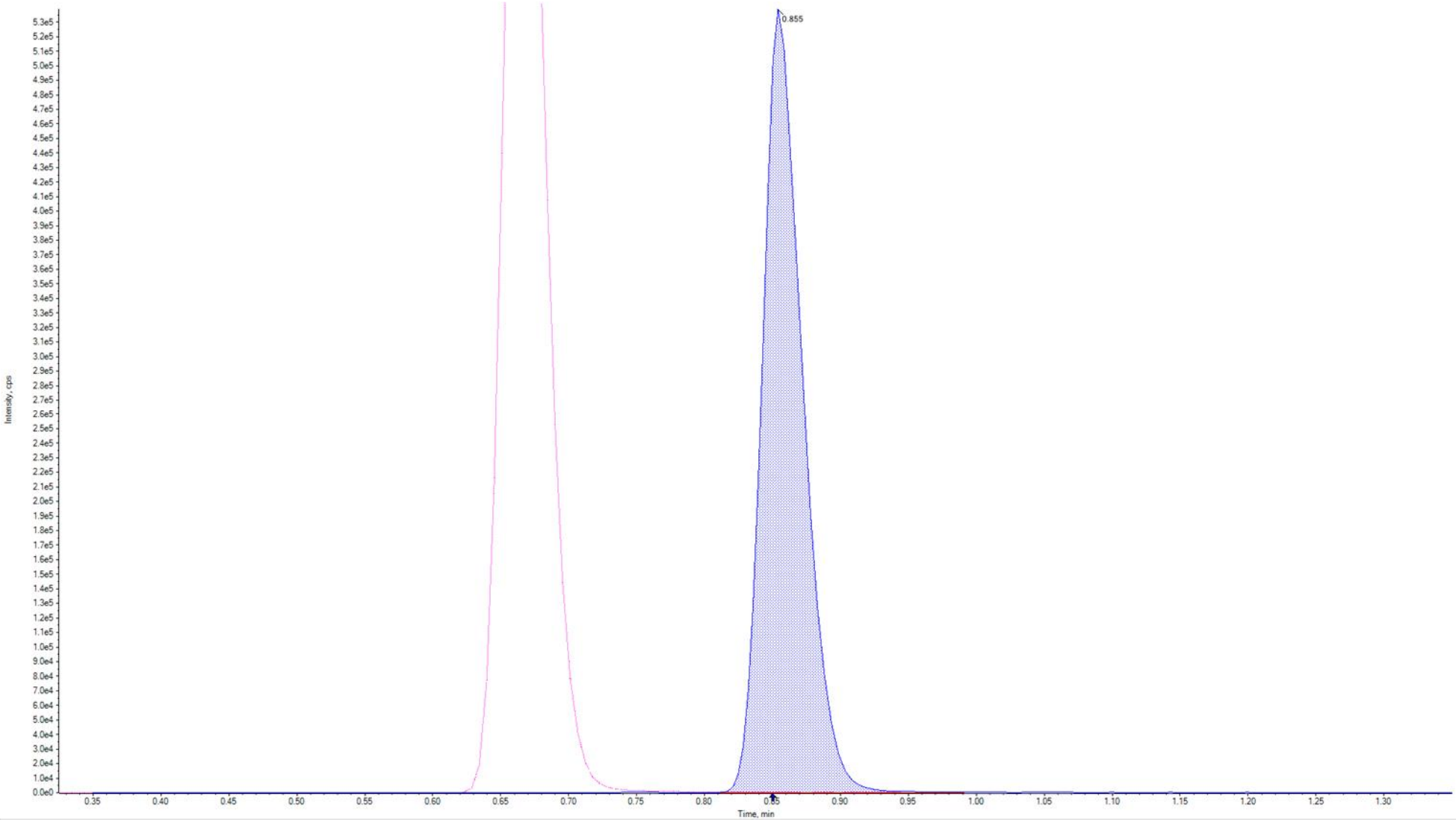
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFEESA_2
Sample: WG2011107-3R S/N:1962.2 Points Across peak:30



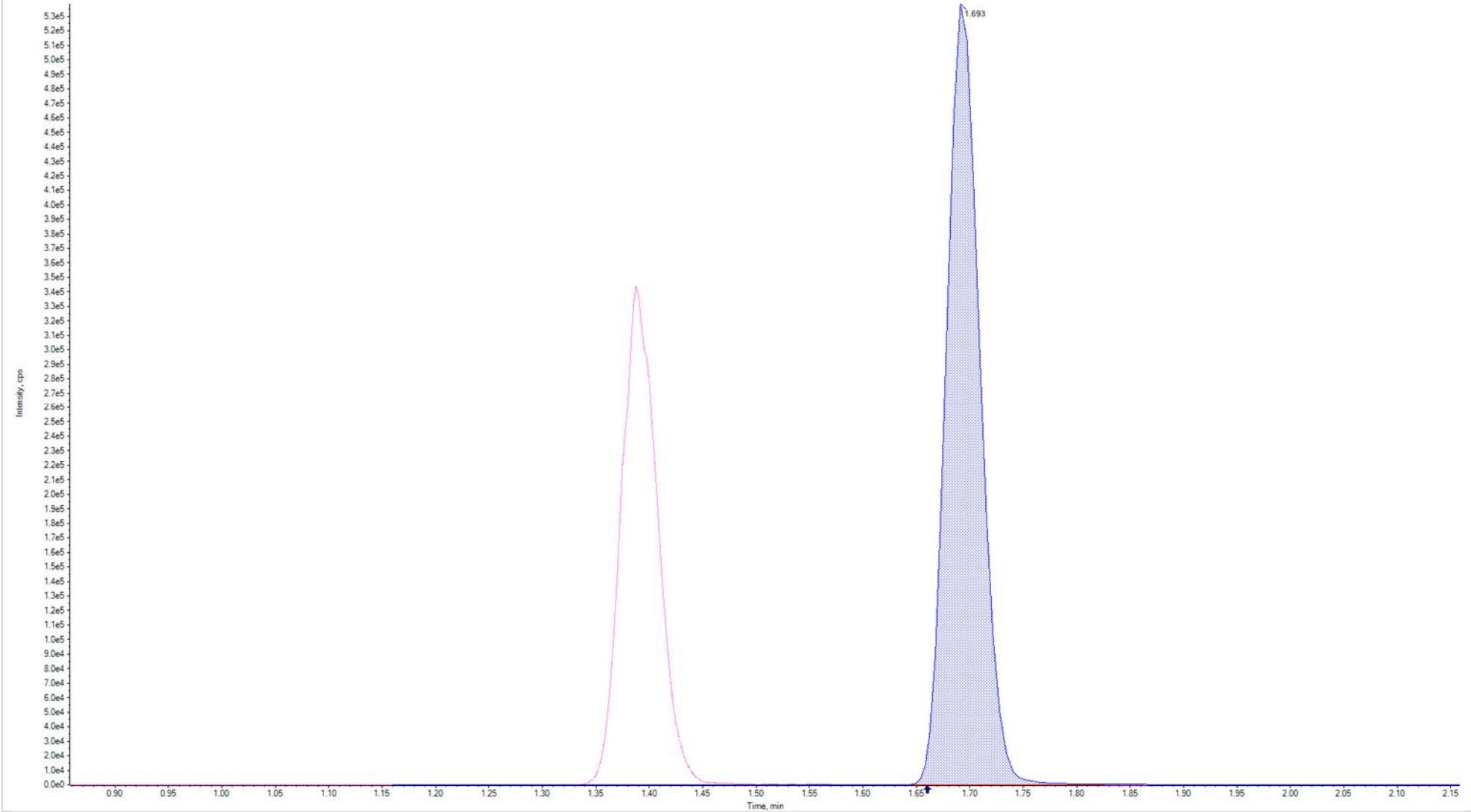
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFMPA
Sample: WG2011107-3R S/N:24726.9 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

PFMBA
Sample: WG2011107-3R S/N:31046.2 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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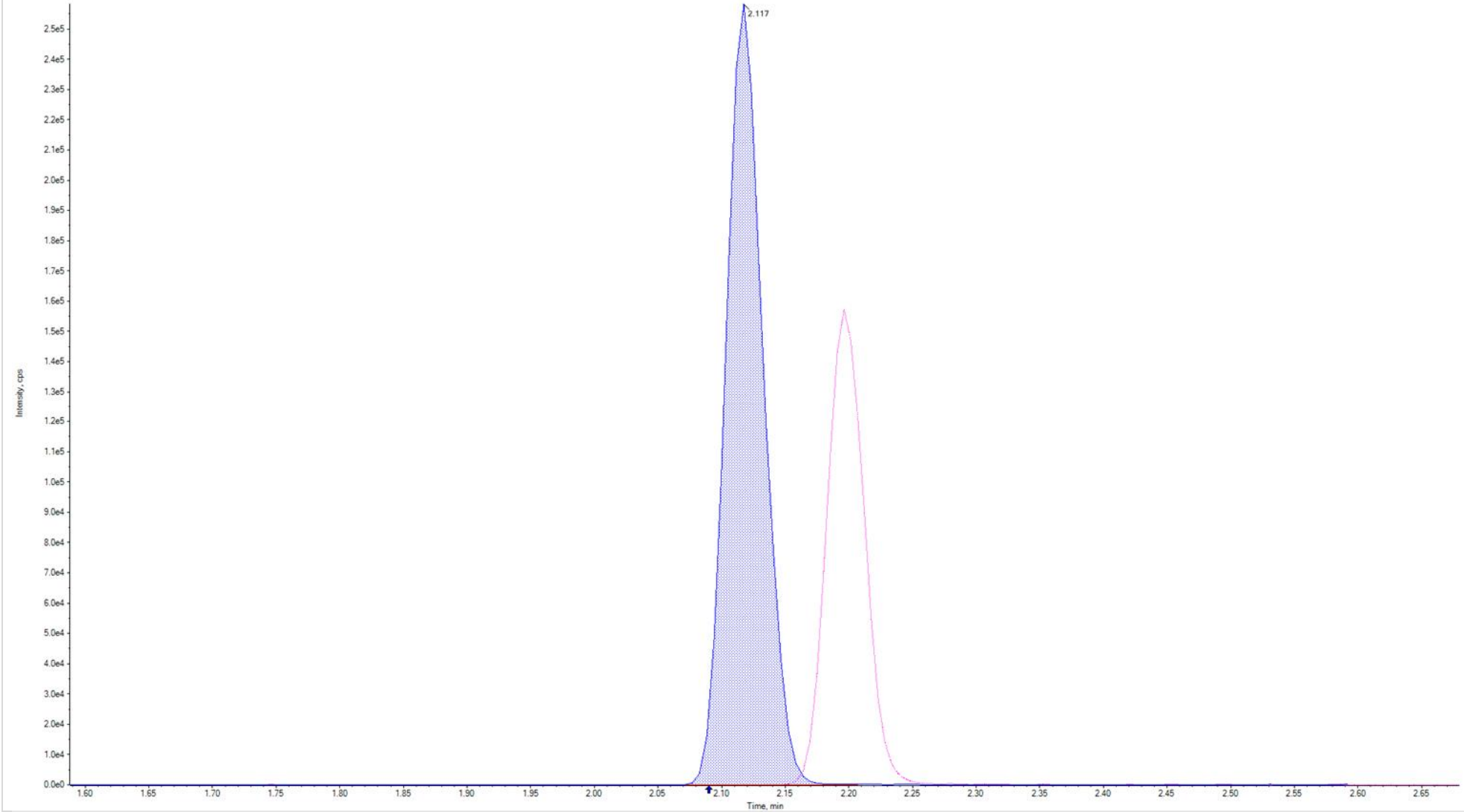
NFDHA
Sample: WG2011107-3R S/N:6572.6 Points Across peak:28



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Alpha Analytical LLC
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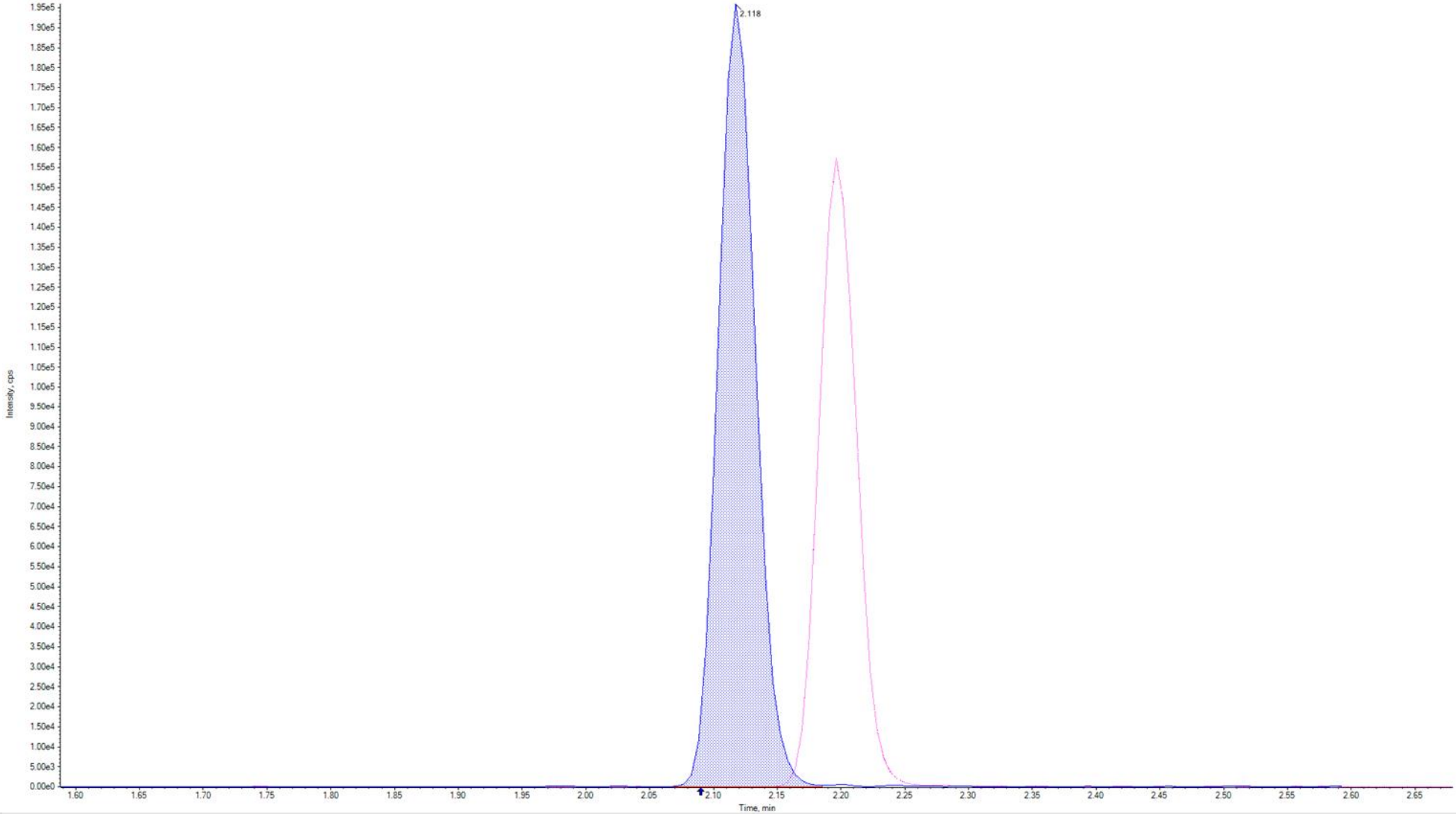
NFDHA_2
Sample: WG2011107-3R S/N:5402.1 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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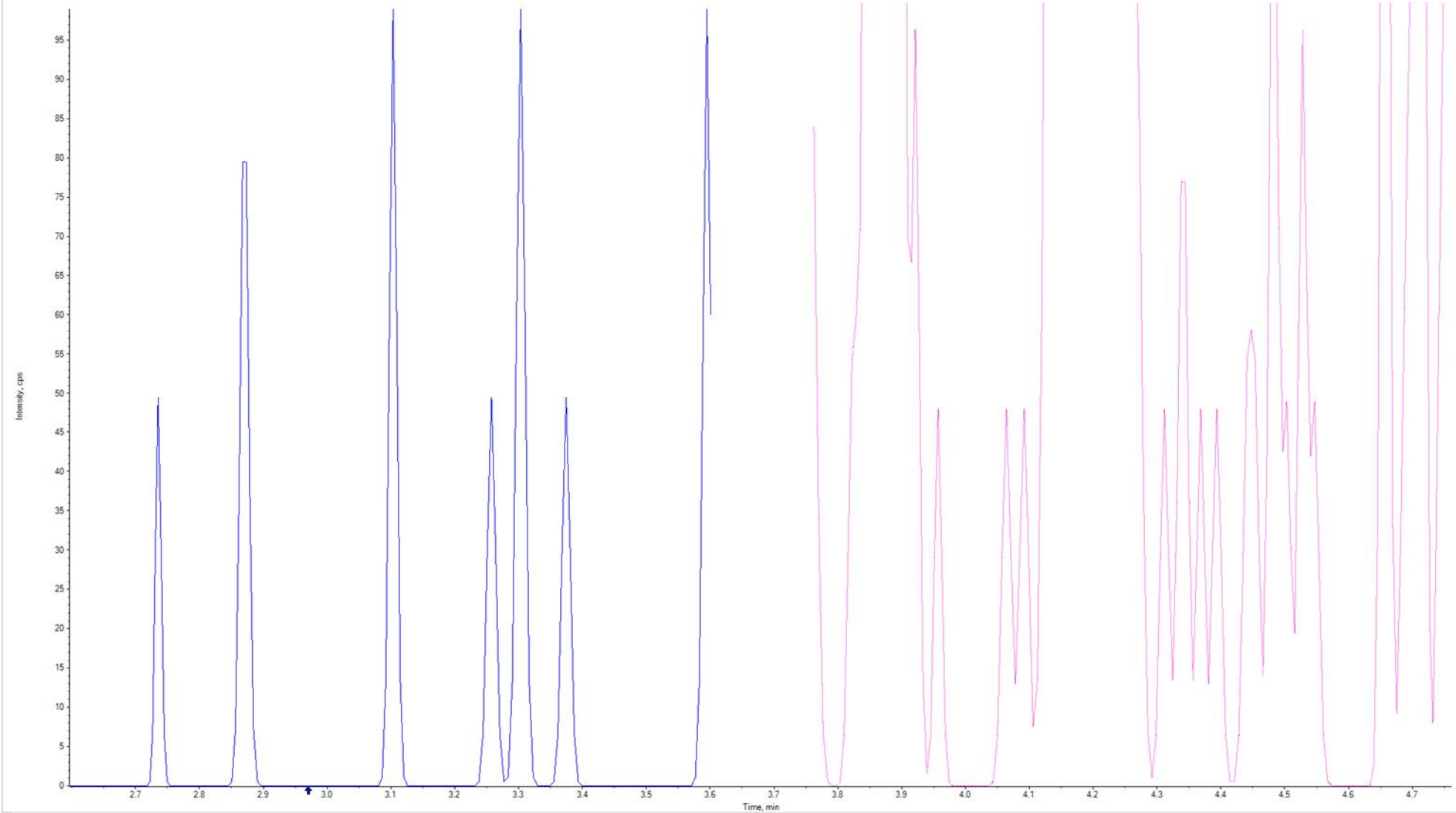
TDCA
Sample: WG2011107-3R S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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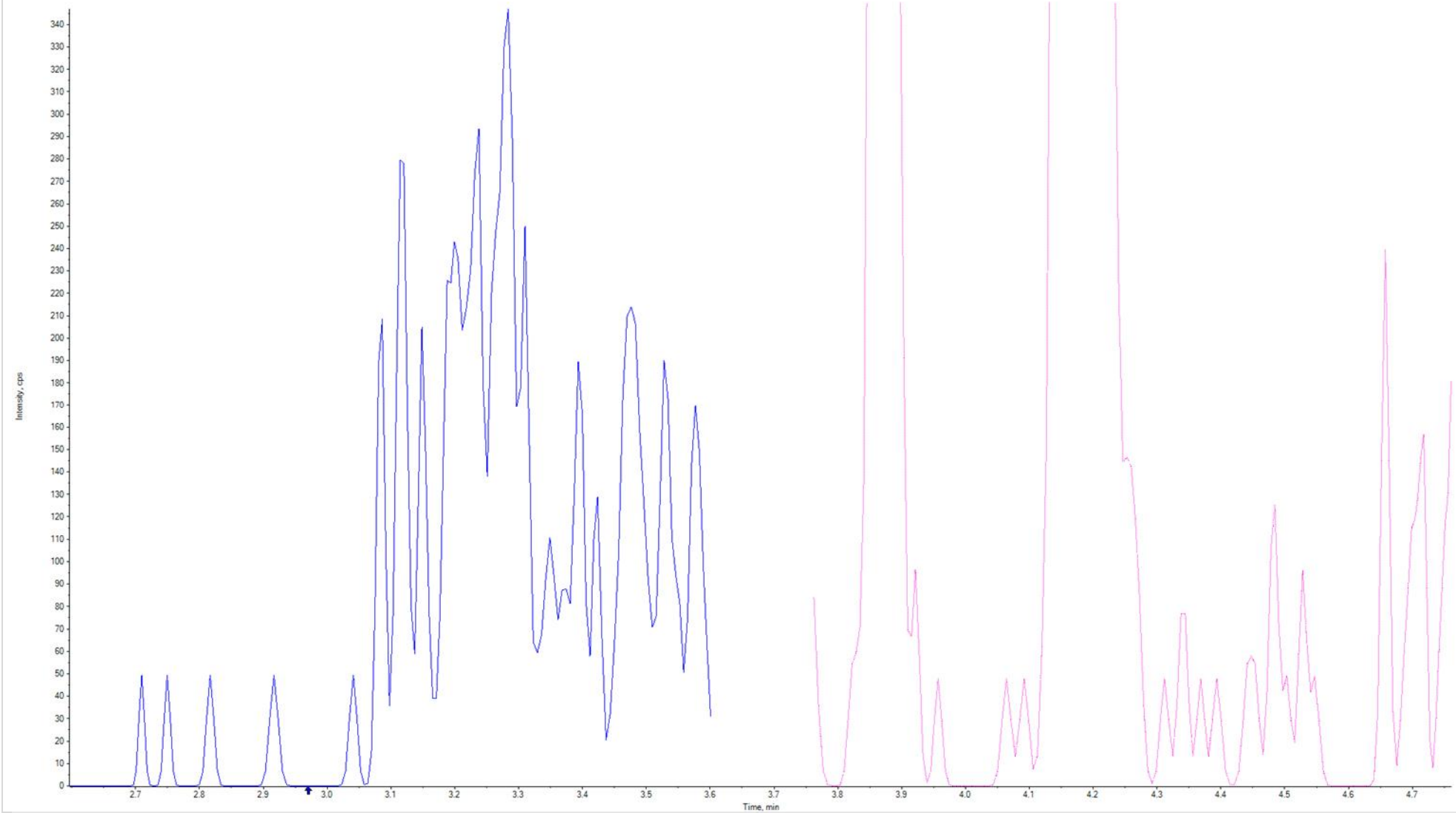
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

TDCA_2
Sample: WG2011107-3R S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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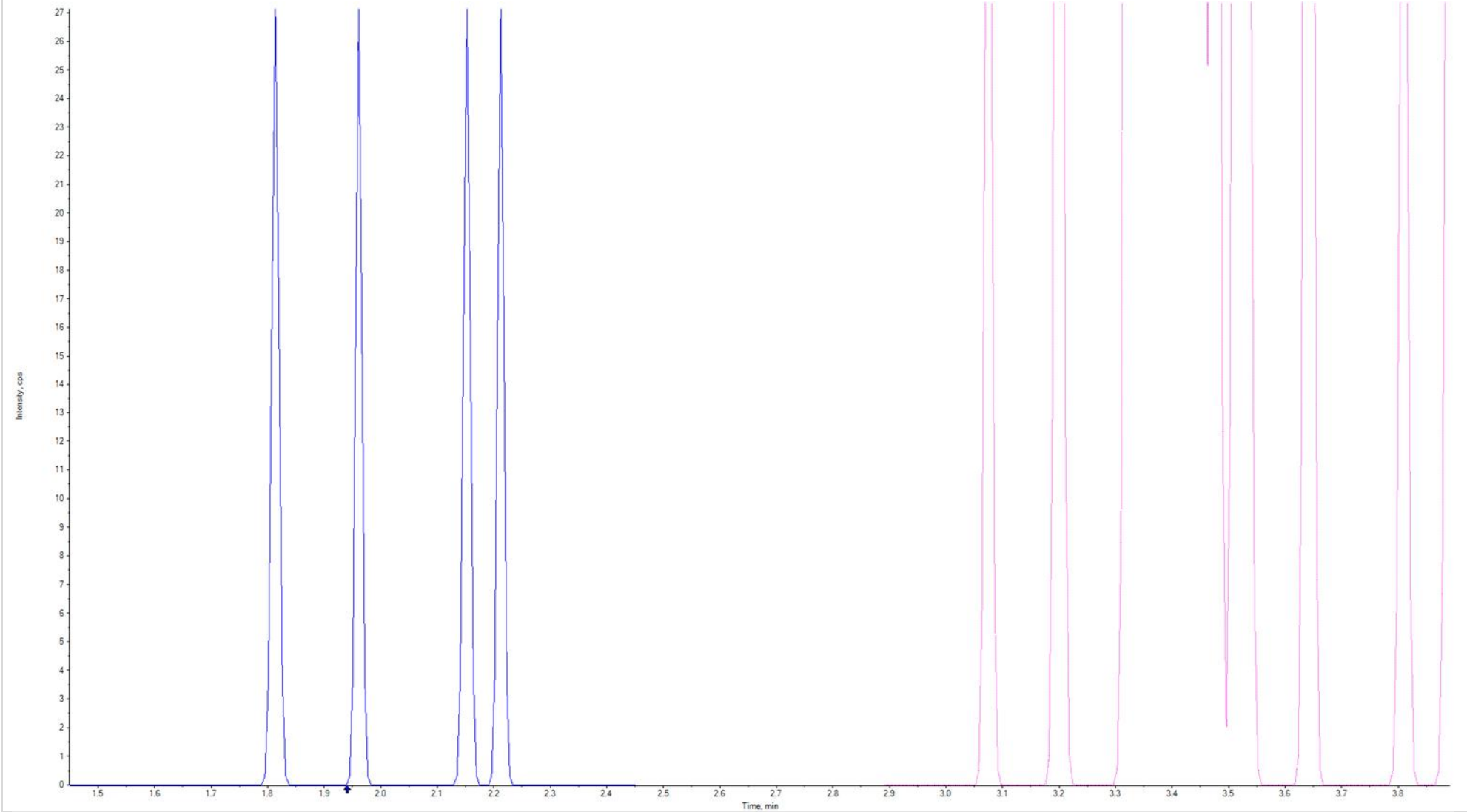
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

13C2D4-4:2FTS
Sample: WG2011107-3R S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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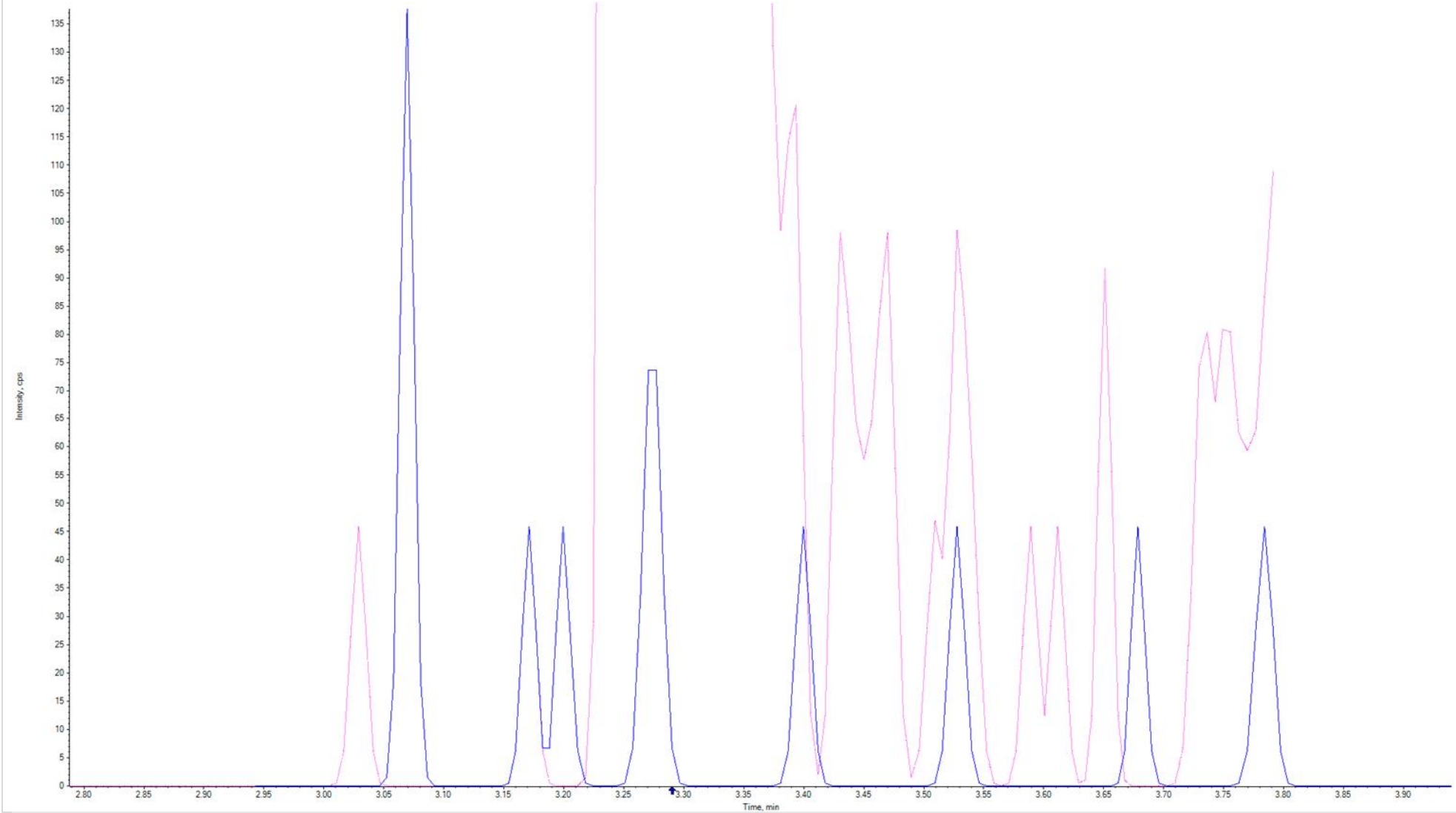
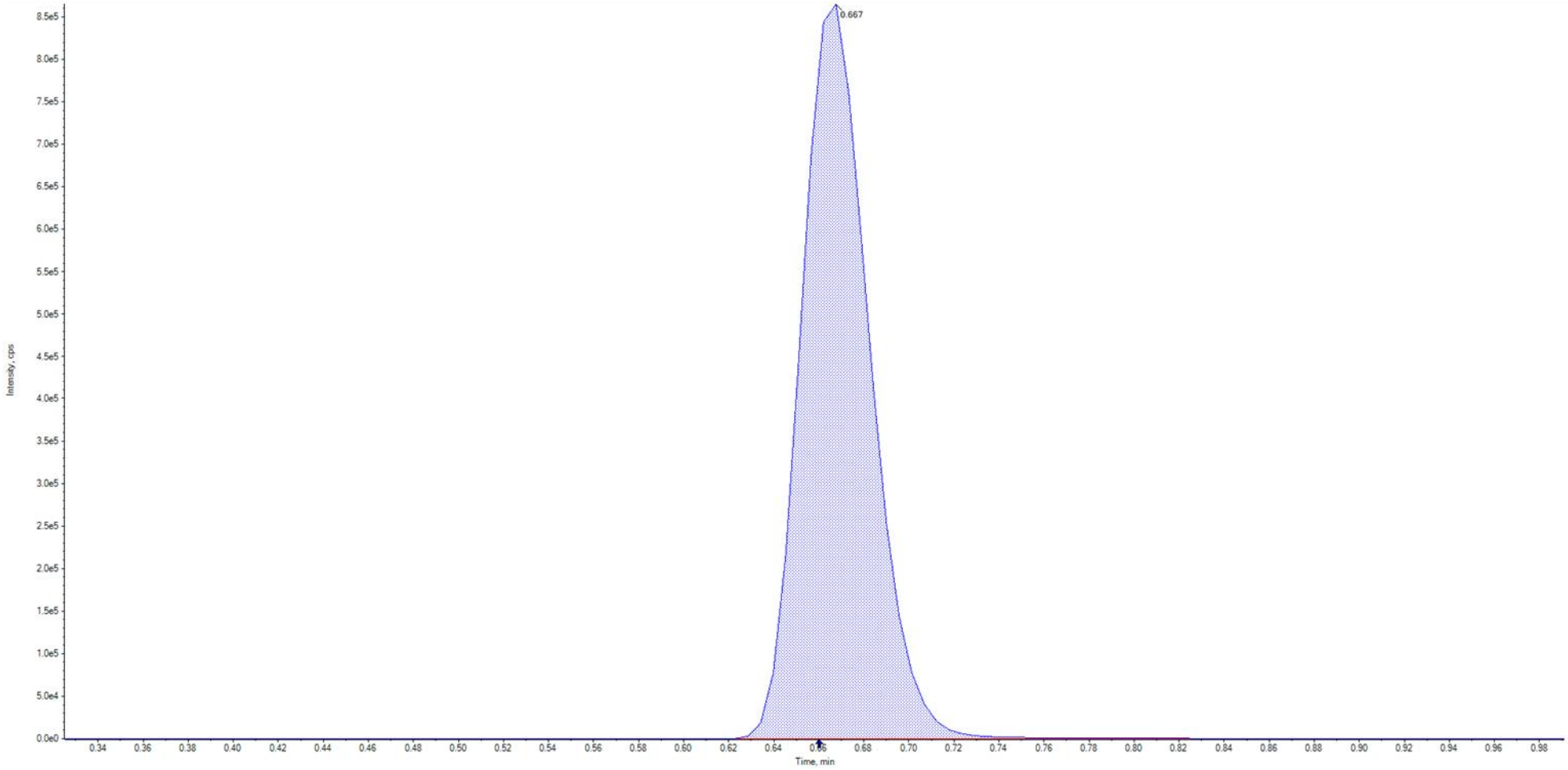
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

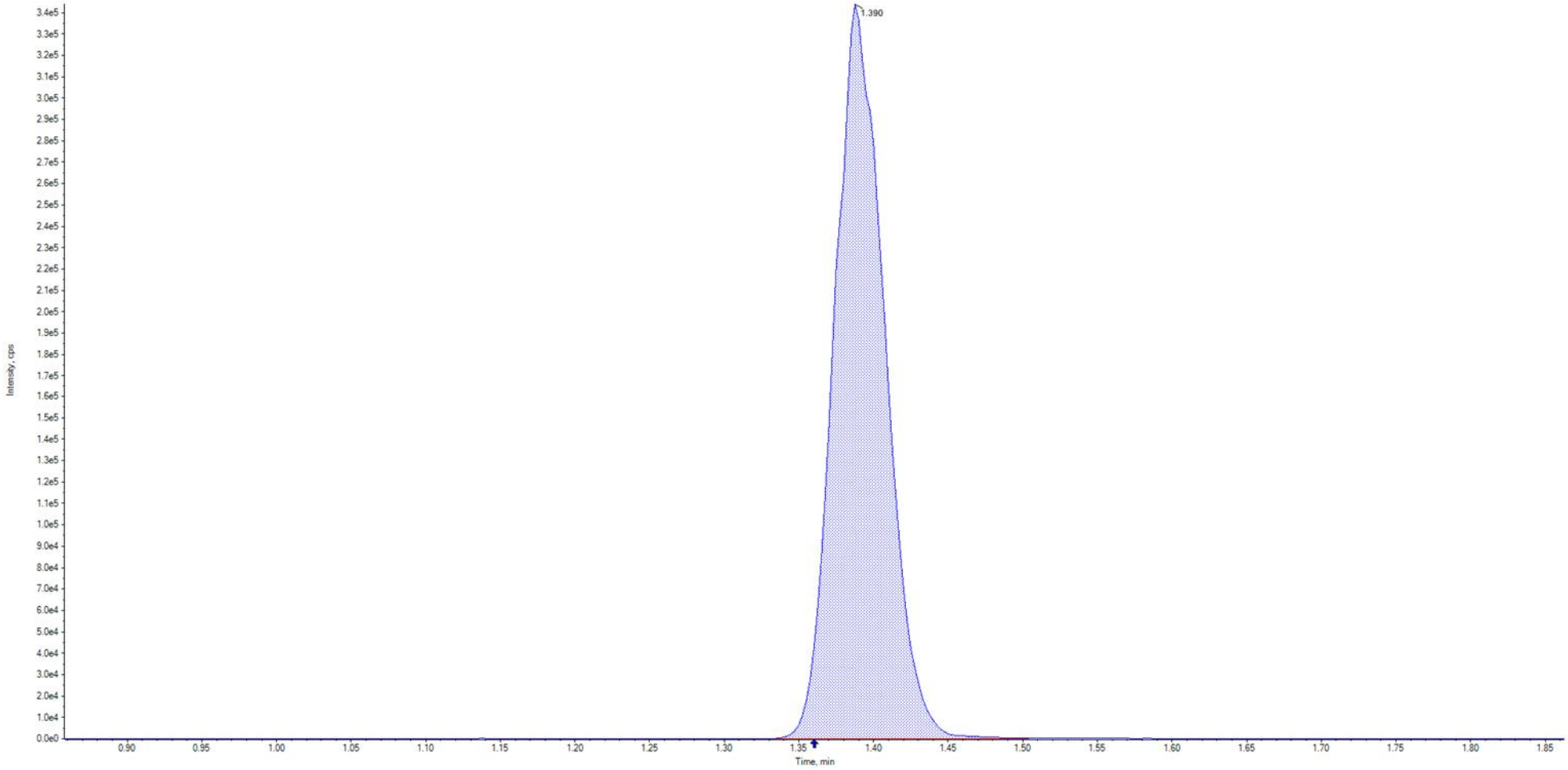
13C2-PFOA
Sample: WG2011107-3R S/N:N/A Points Across peak:N/A



13C4-PFBA
Sample: WG2011107-3R



13C5-PFPeA
Sample: WG2011107-3R



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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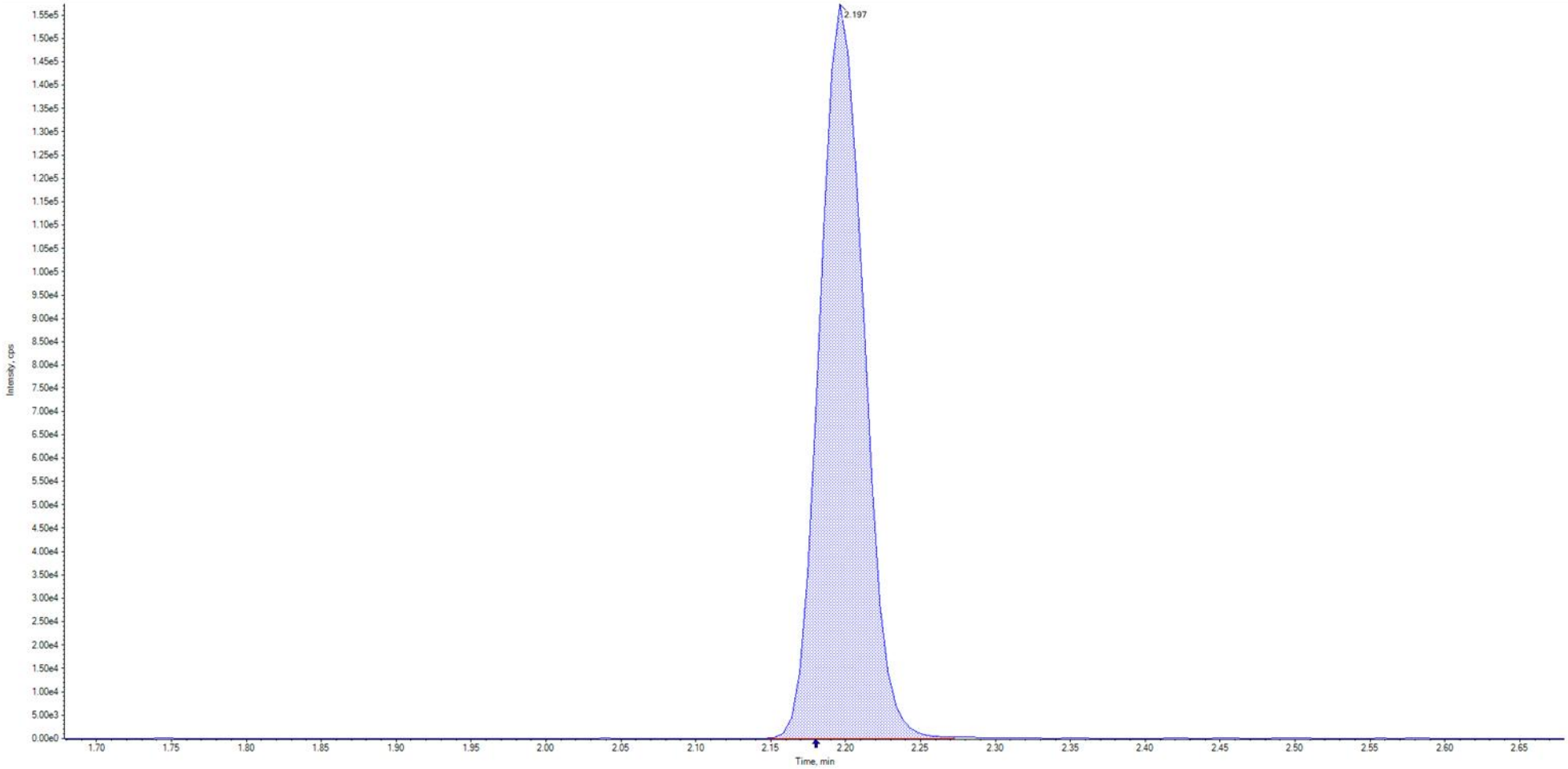
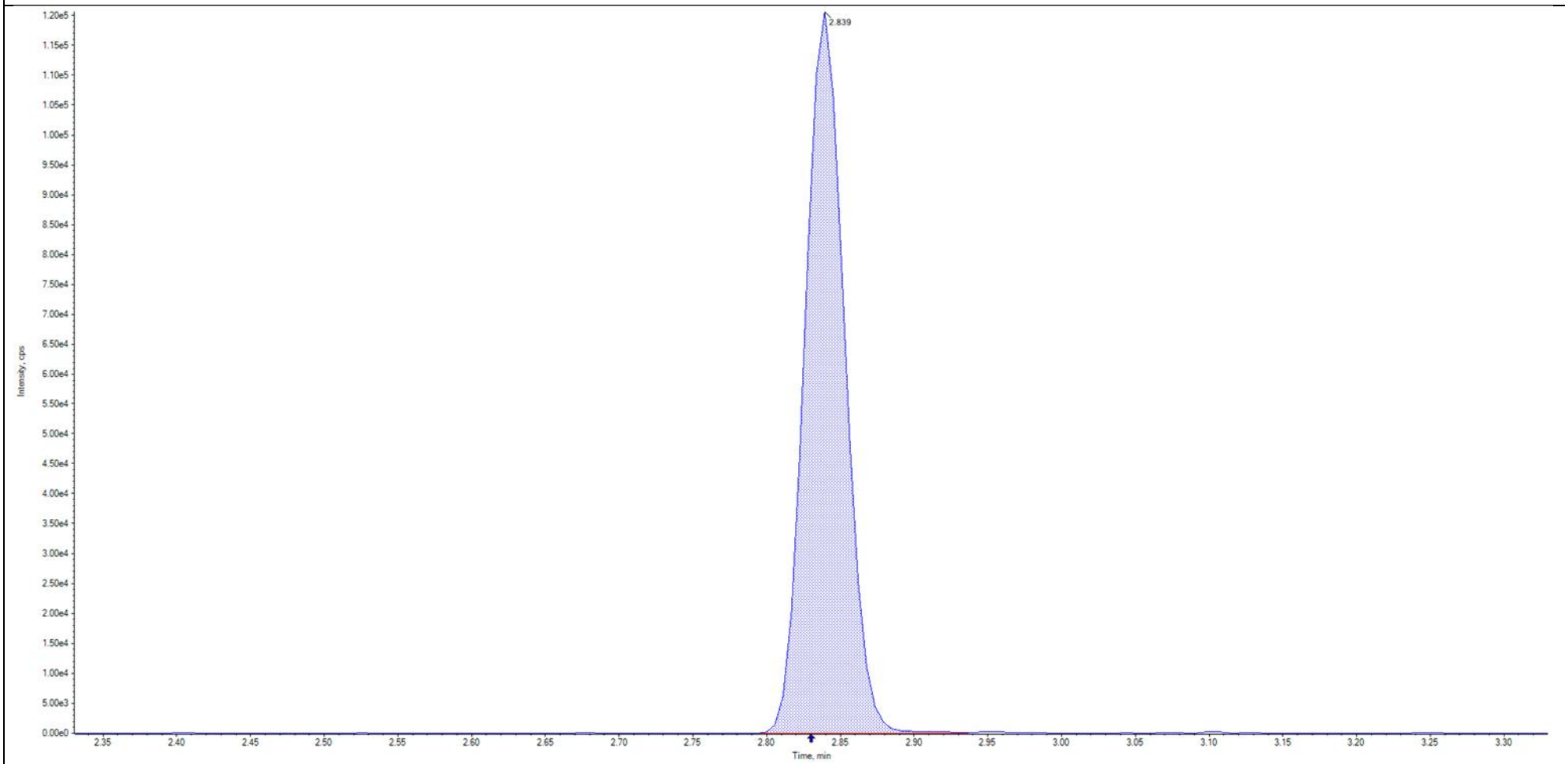
Generated: 12/19/2024 2:27:31 PM

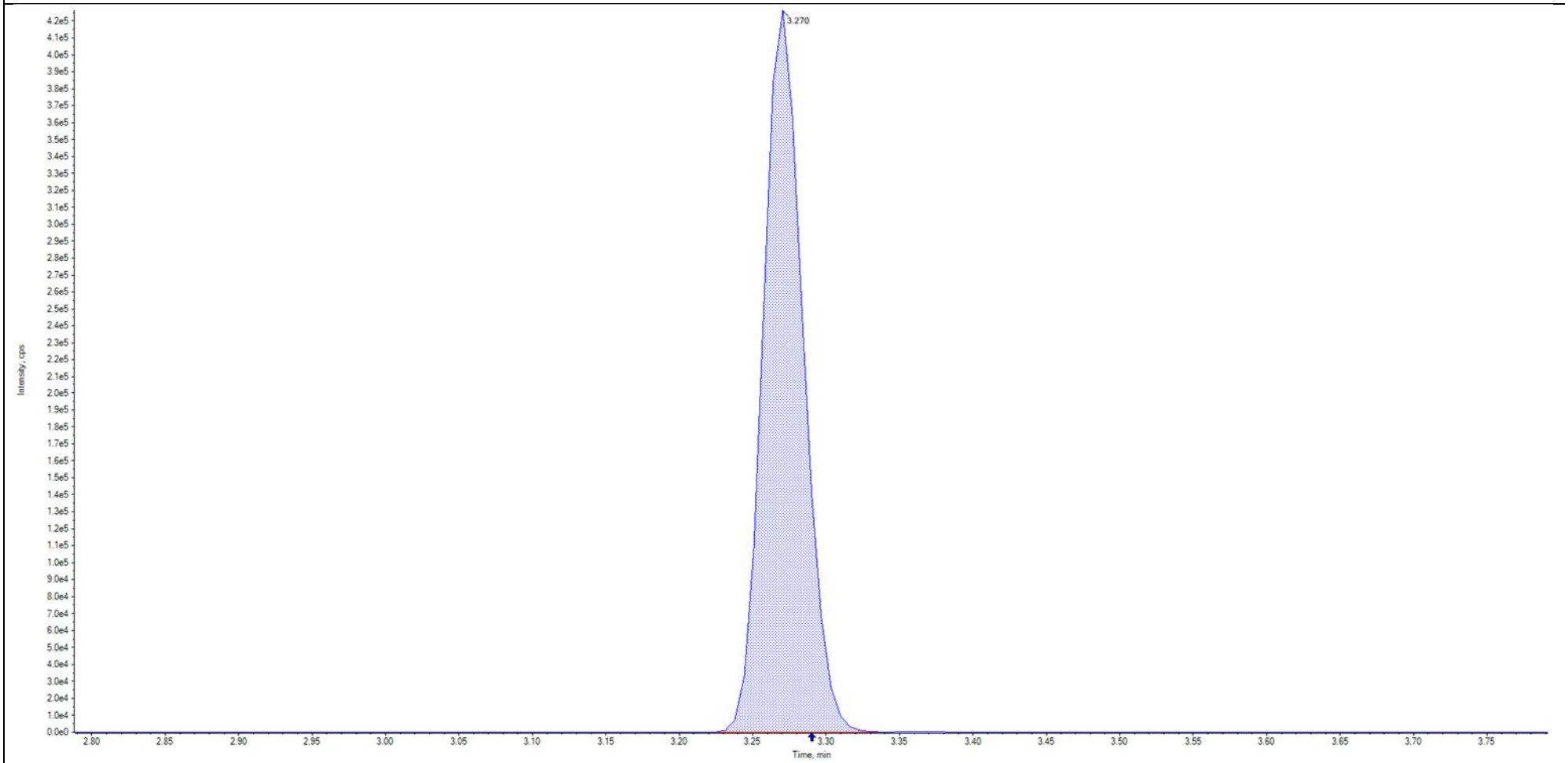
13C5-PFHxA
Sample: WG2011107-3R



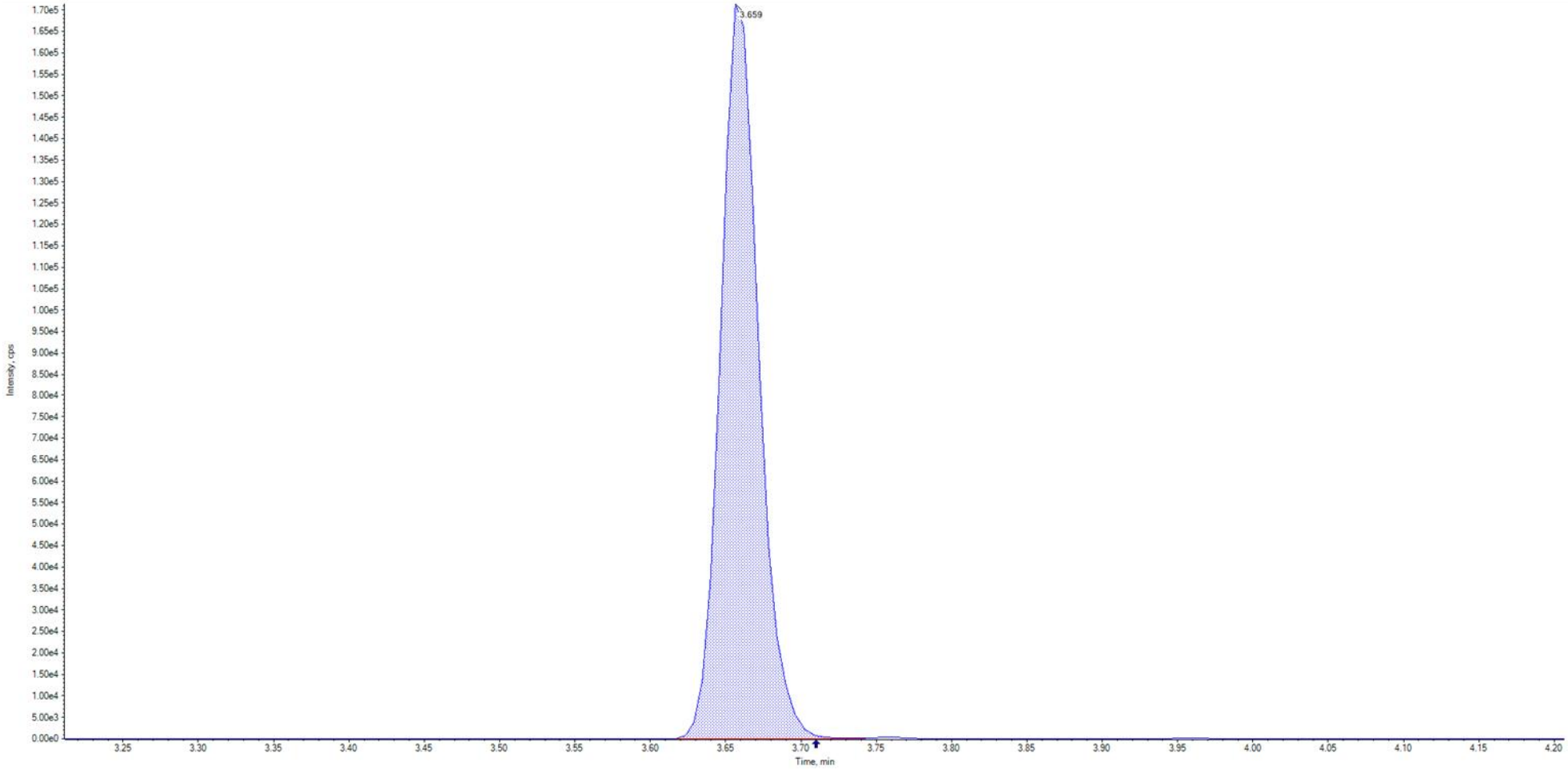
13C4-PFHpA
Sample: WG2011107-3R



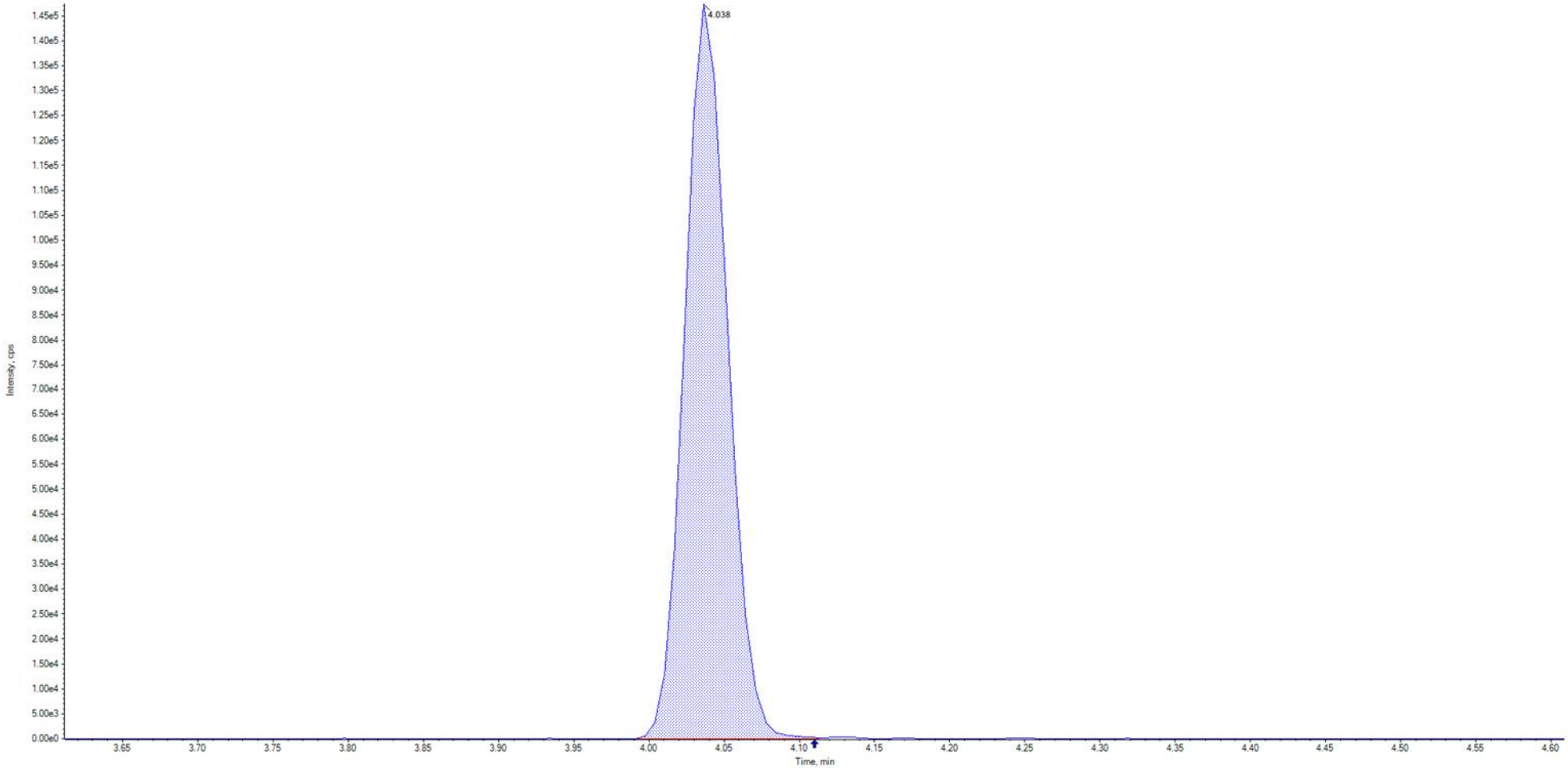
13C8-PFOA
Sample: WG2011107-3R



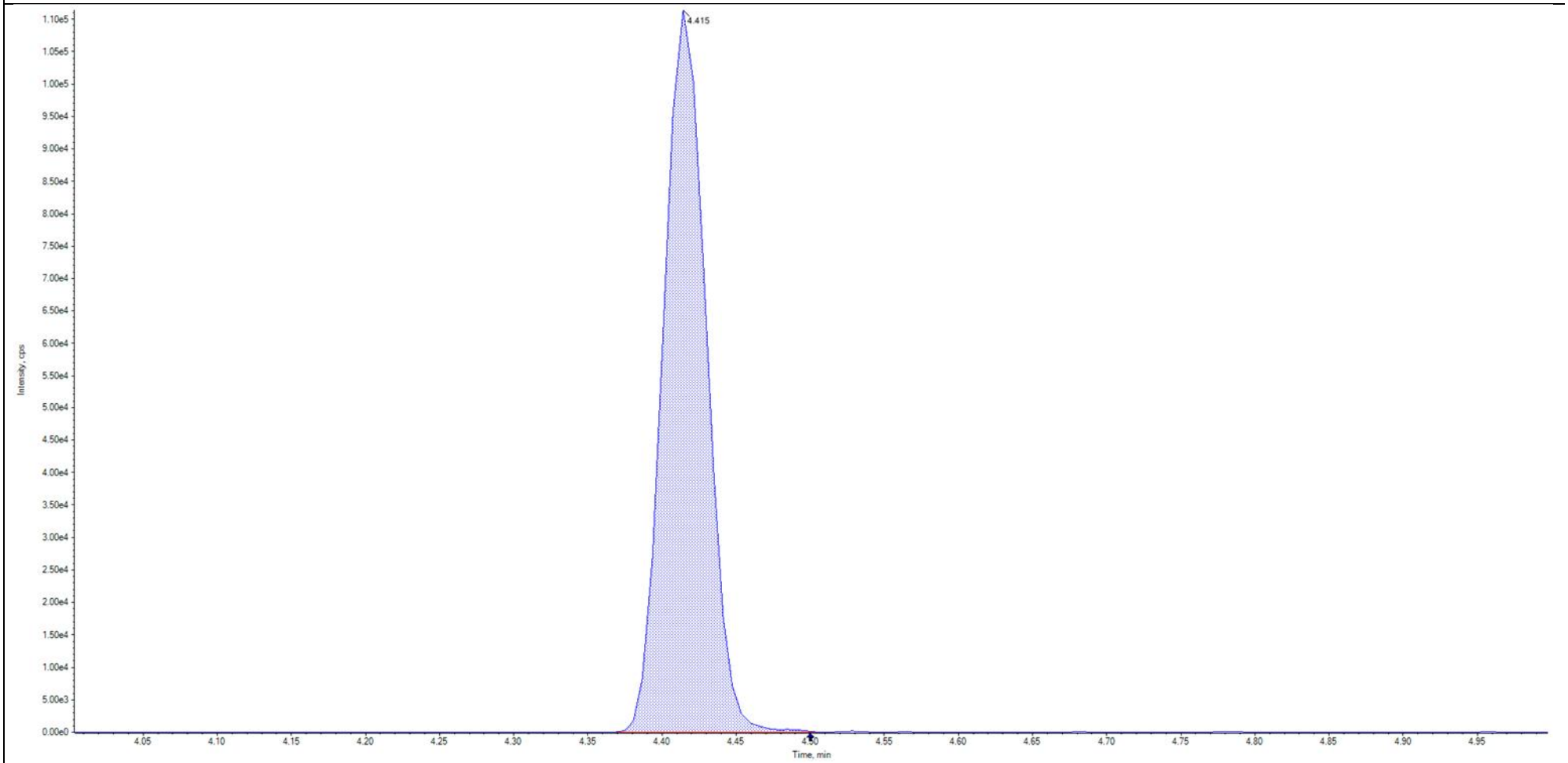
13C9-PFNA
Sample: WG2011107-3R



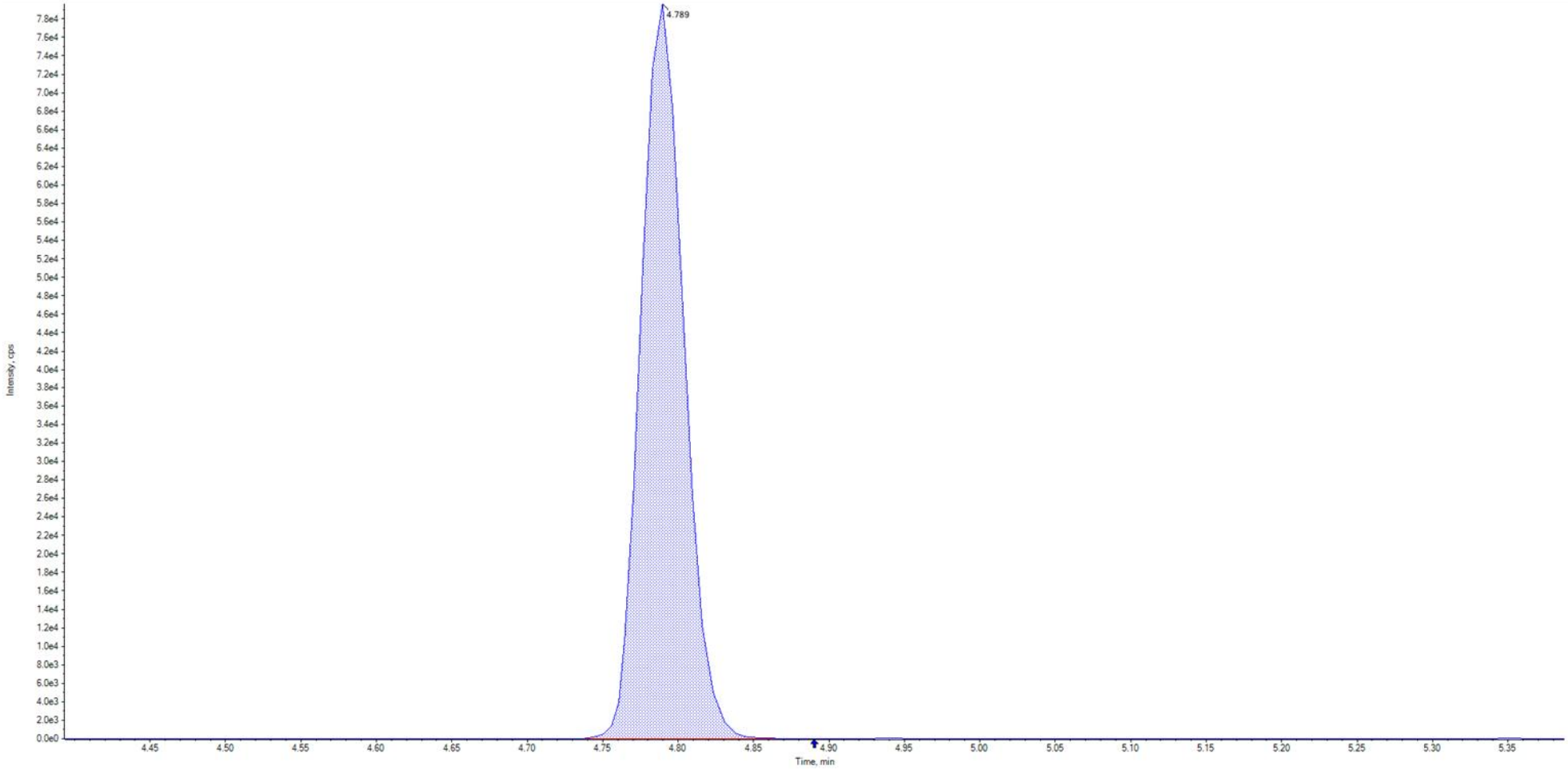
13C6-PFDA
Sample: WG2011107-3R



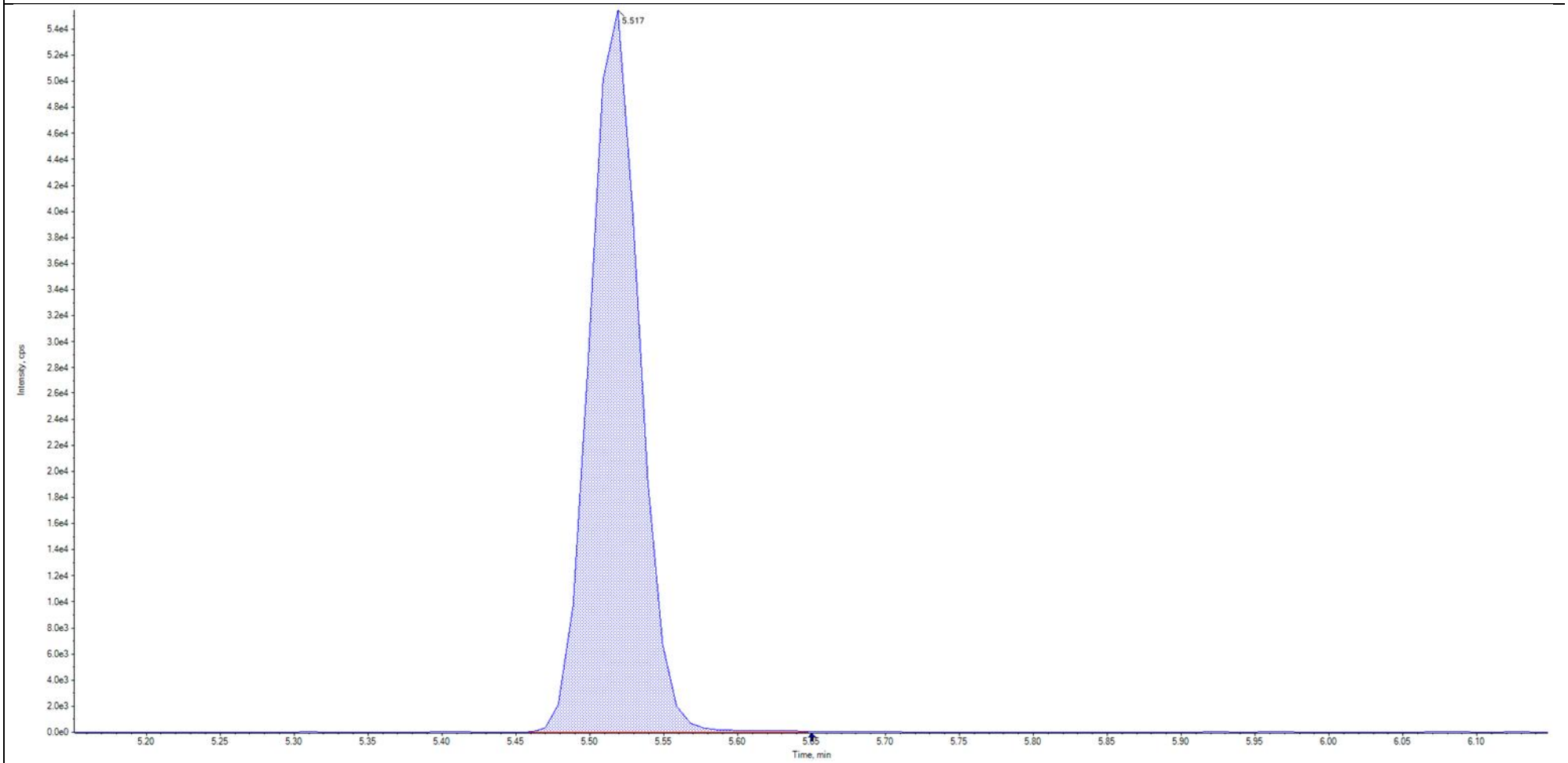
13C7-PFUnA
Sample: WG2011107-3R



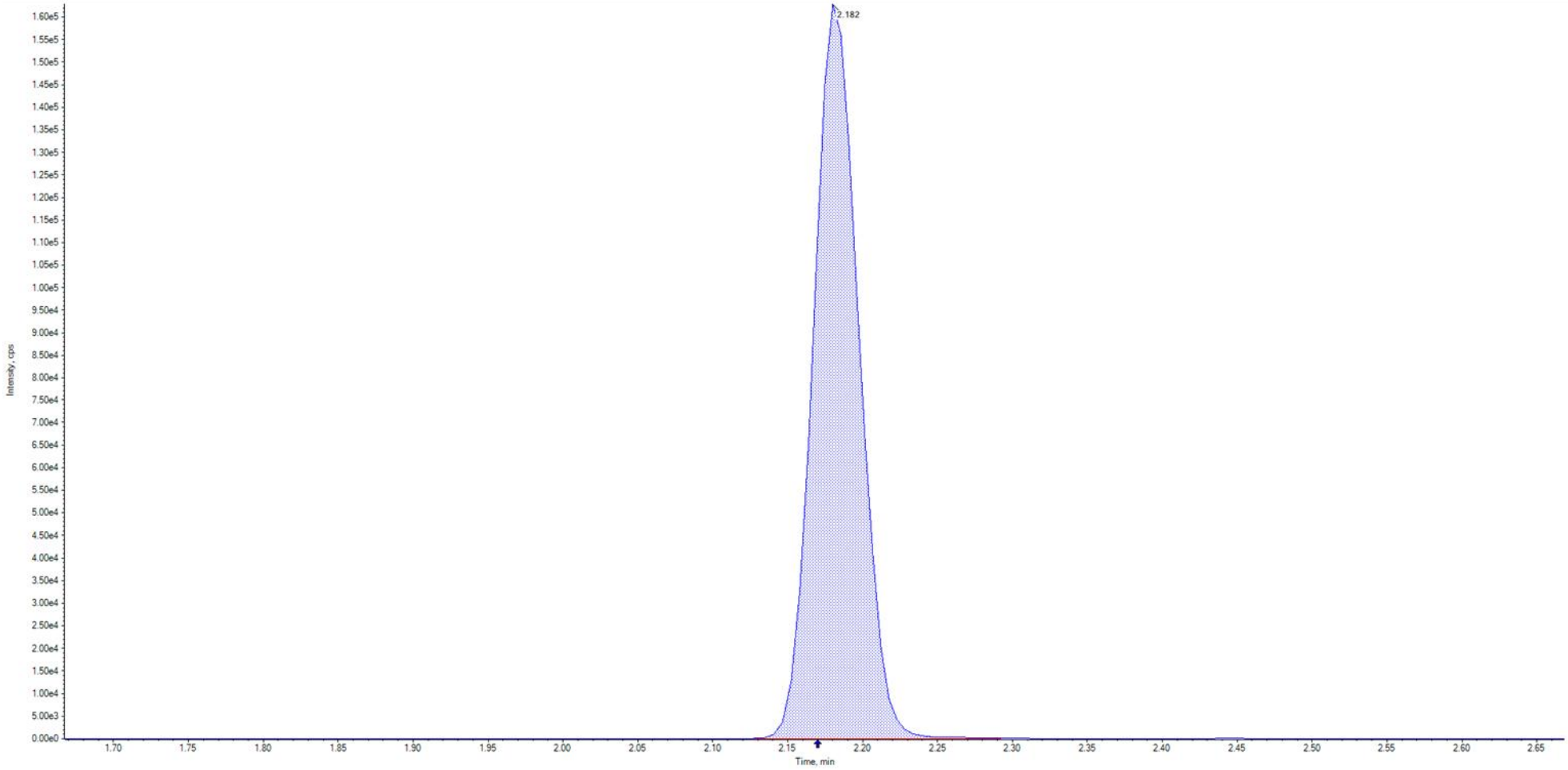
13C2-PFDoA
Sample: WG2011107-3R



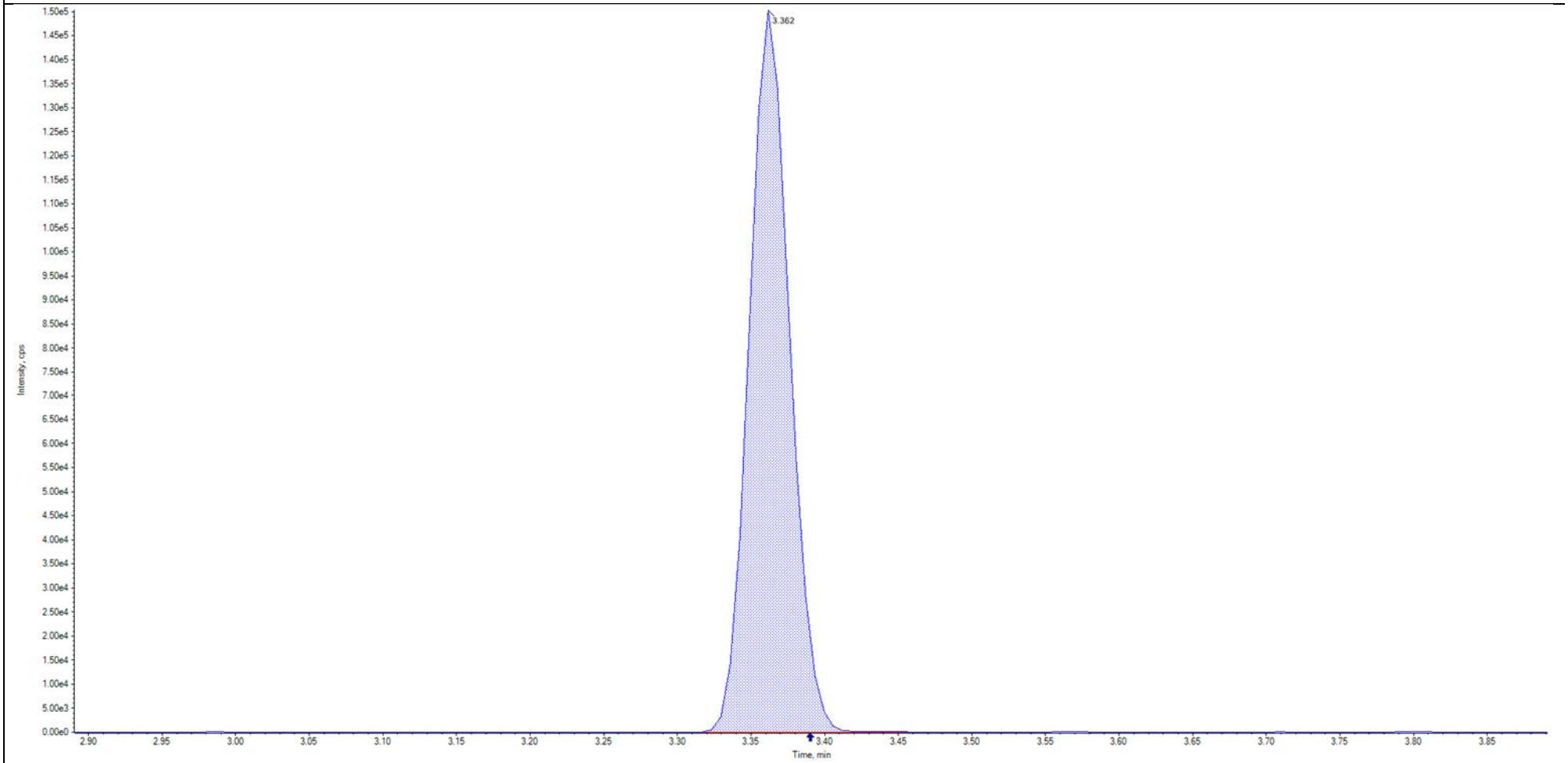
13C2-PFTeDA
Sample: WG2011107-3R



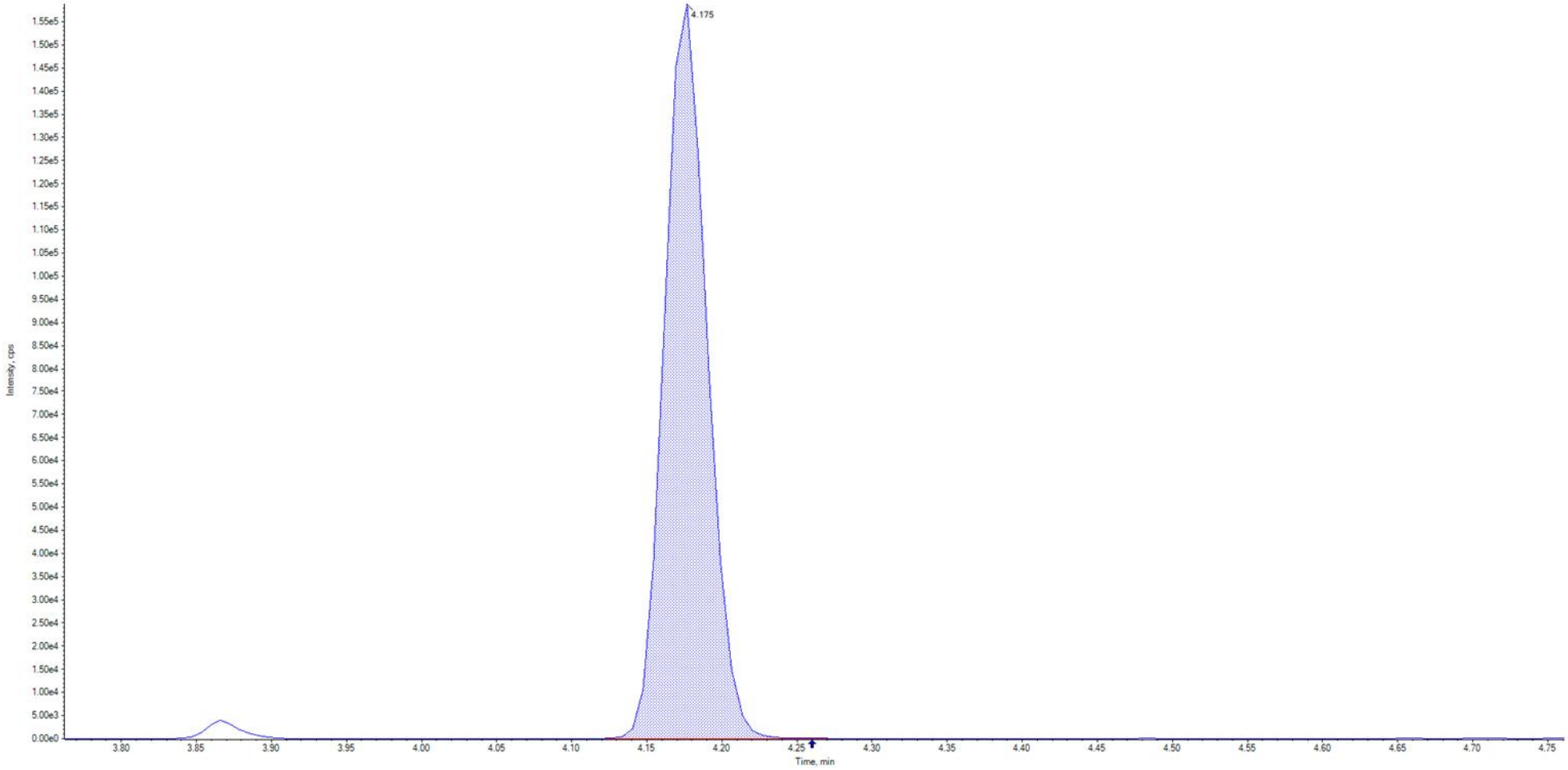
13C3-PFBS
Sample: WG2011107-3R



13C3-PFHxS
Sample: WG2011107-3R



13C8-PFOS
Sample: WG2011107-3R



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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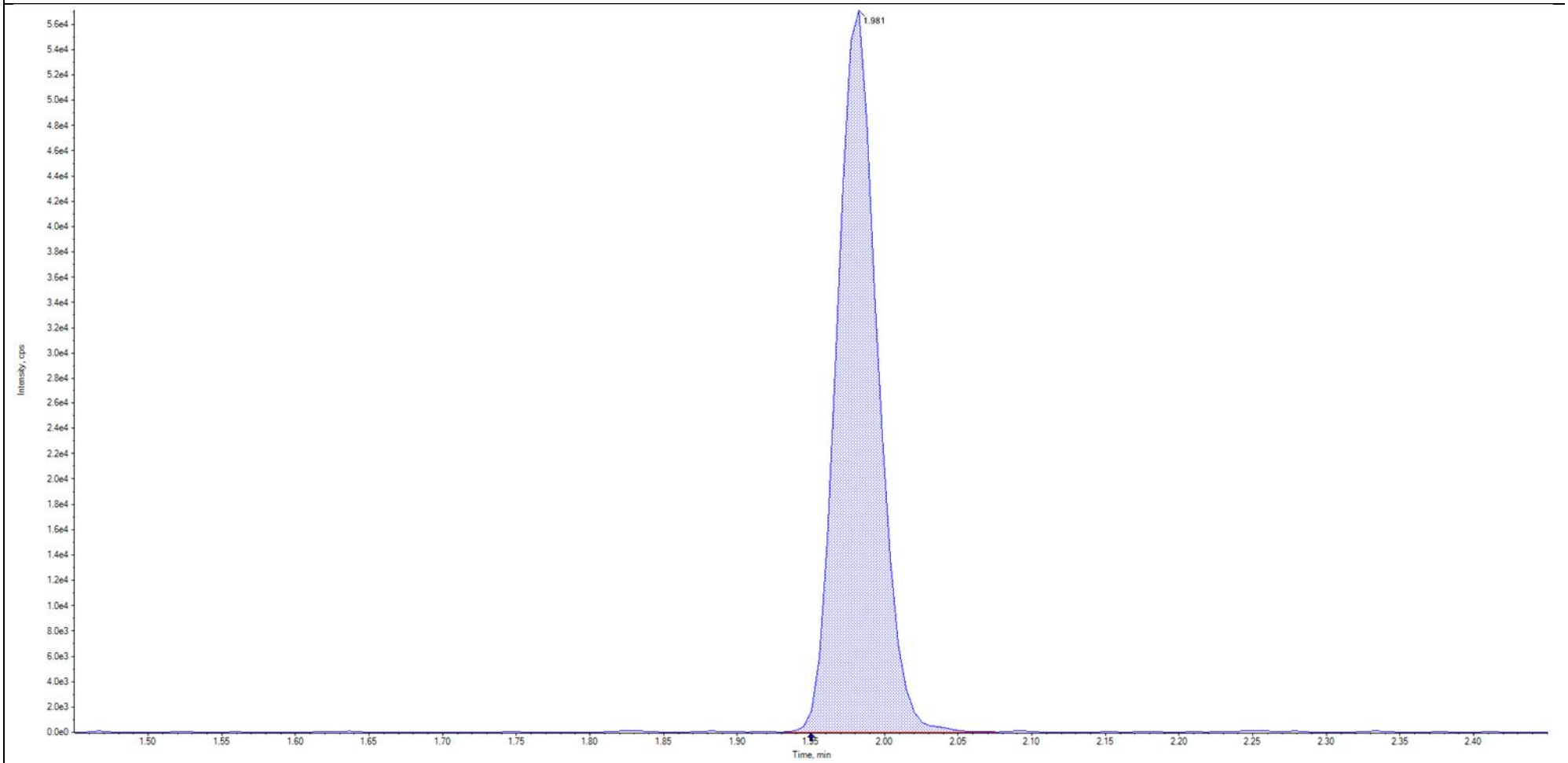
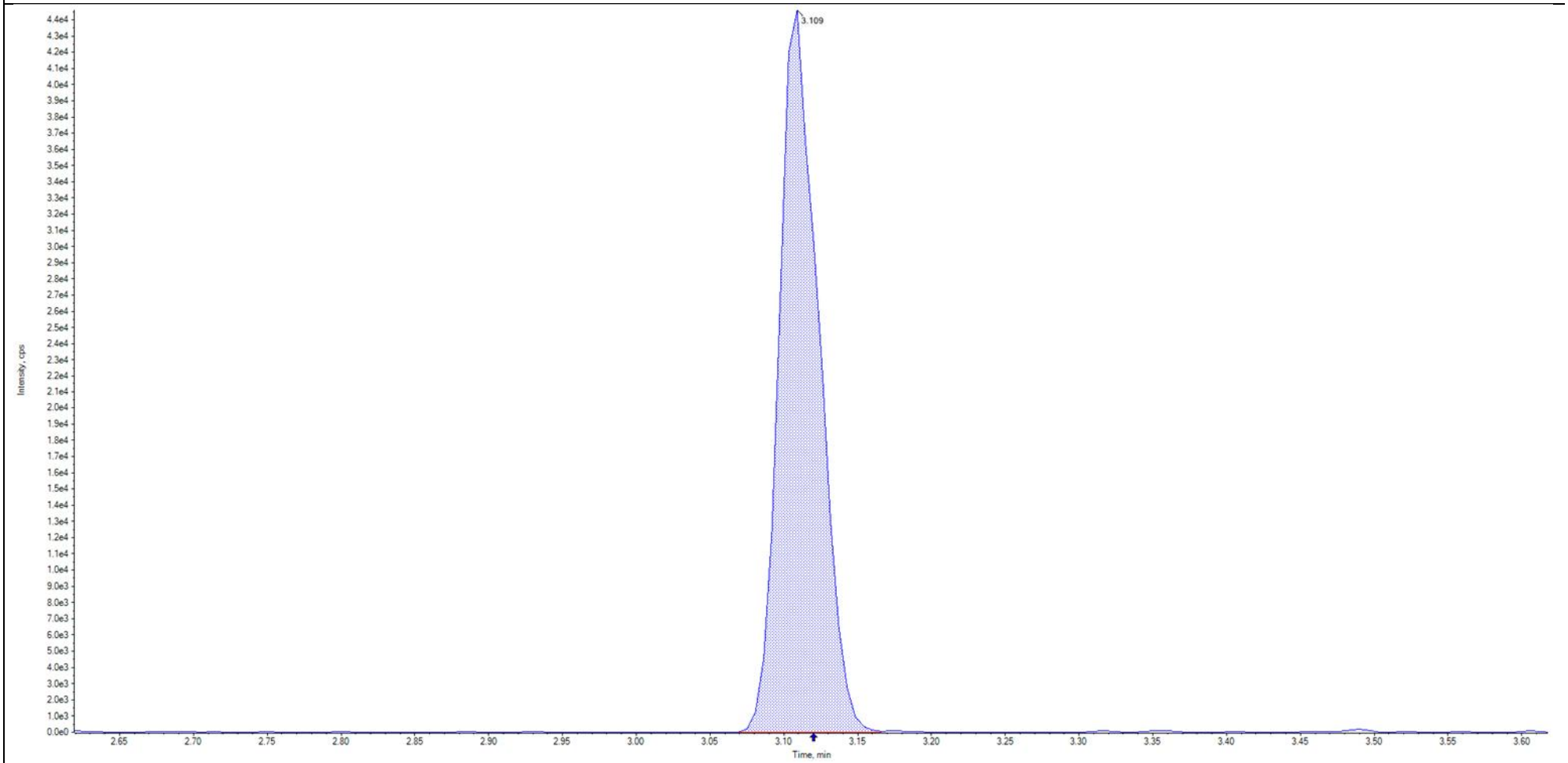
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

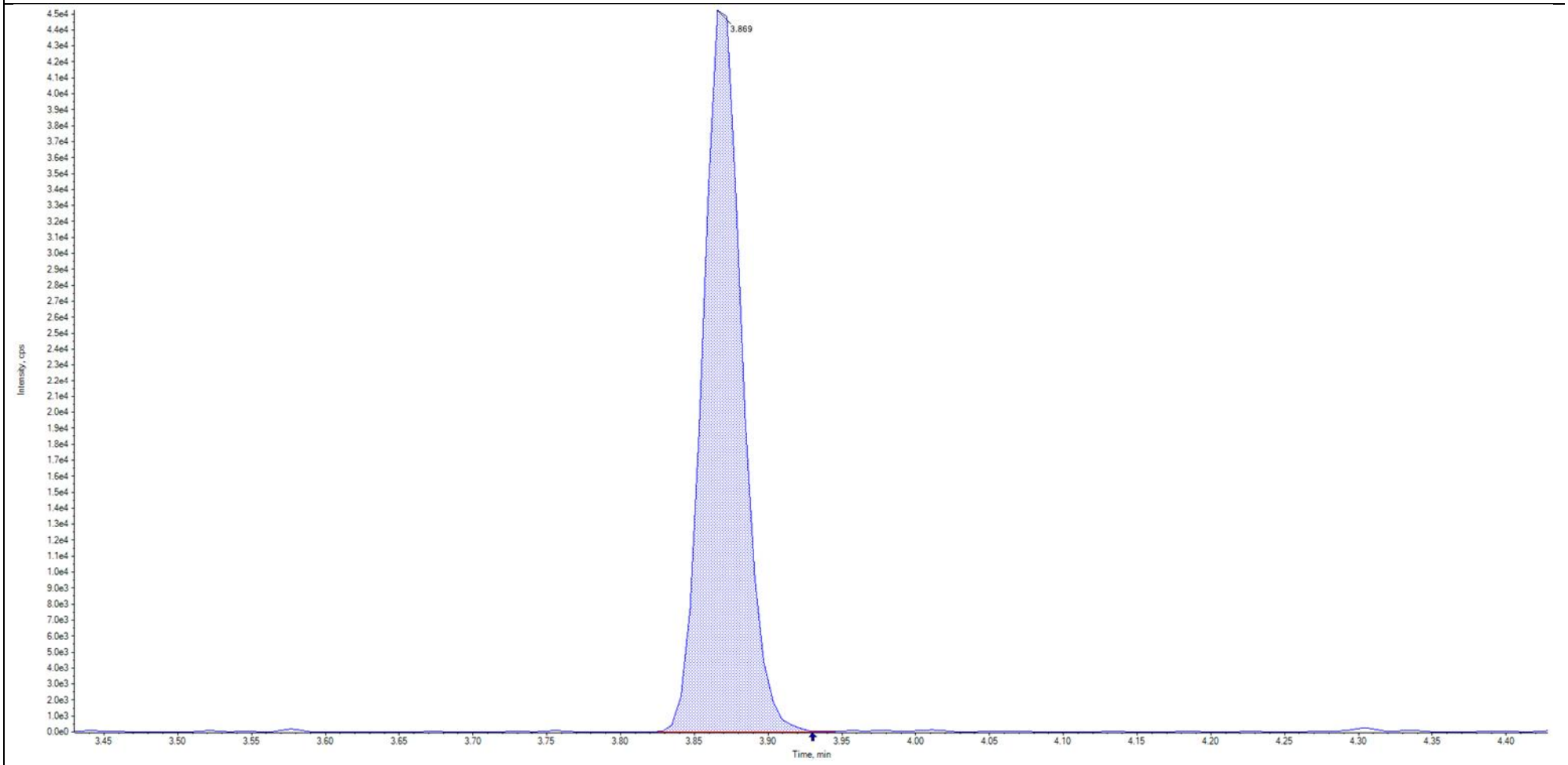
13C2-4:2FTS
Sample: WG2011107-3R



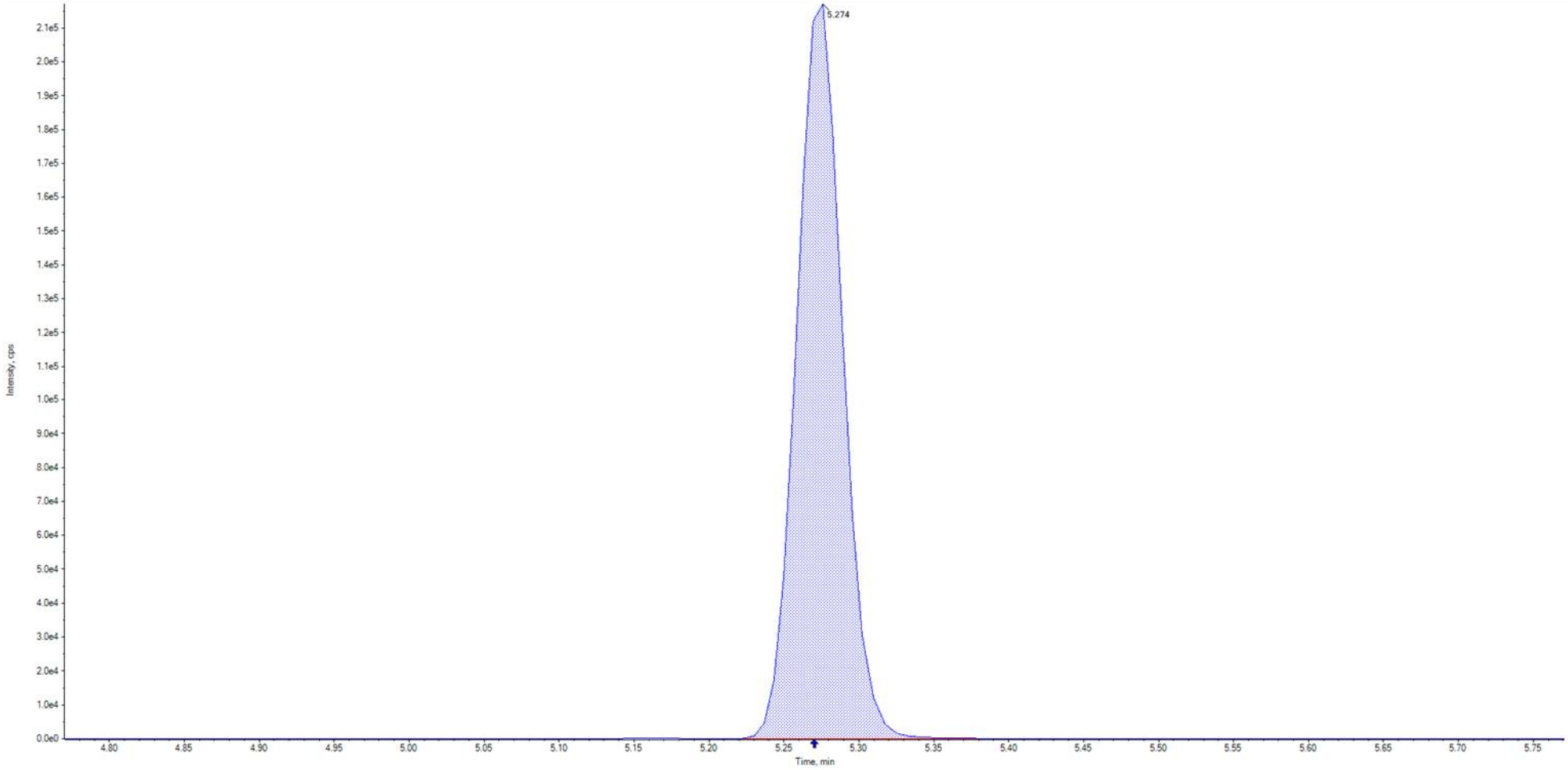
13C2-6:2FTS
Sample: WG2011107-3R



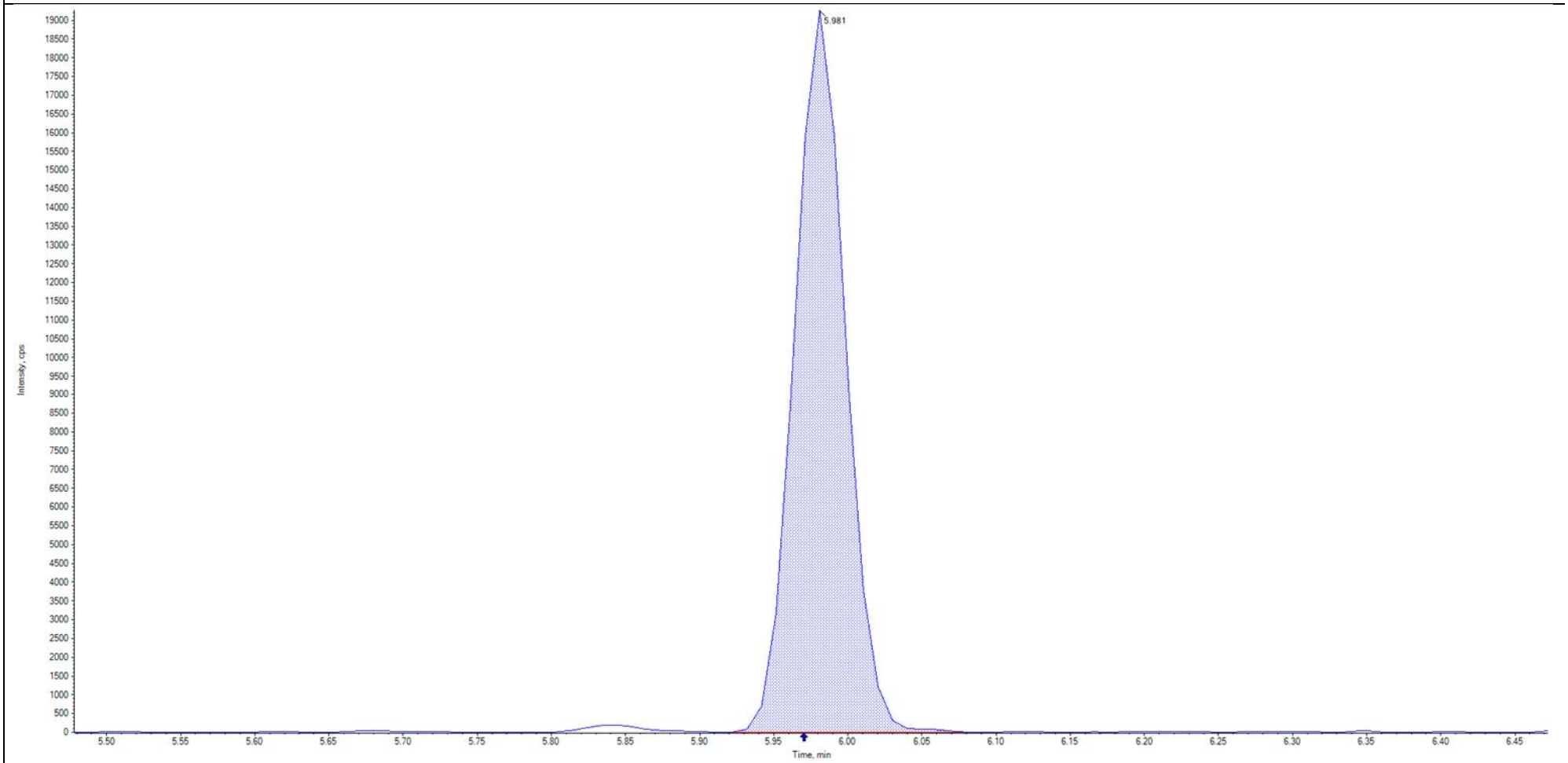
13C2-8:2FTS
Sample: WG2011107-3R



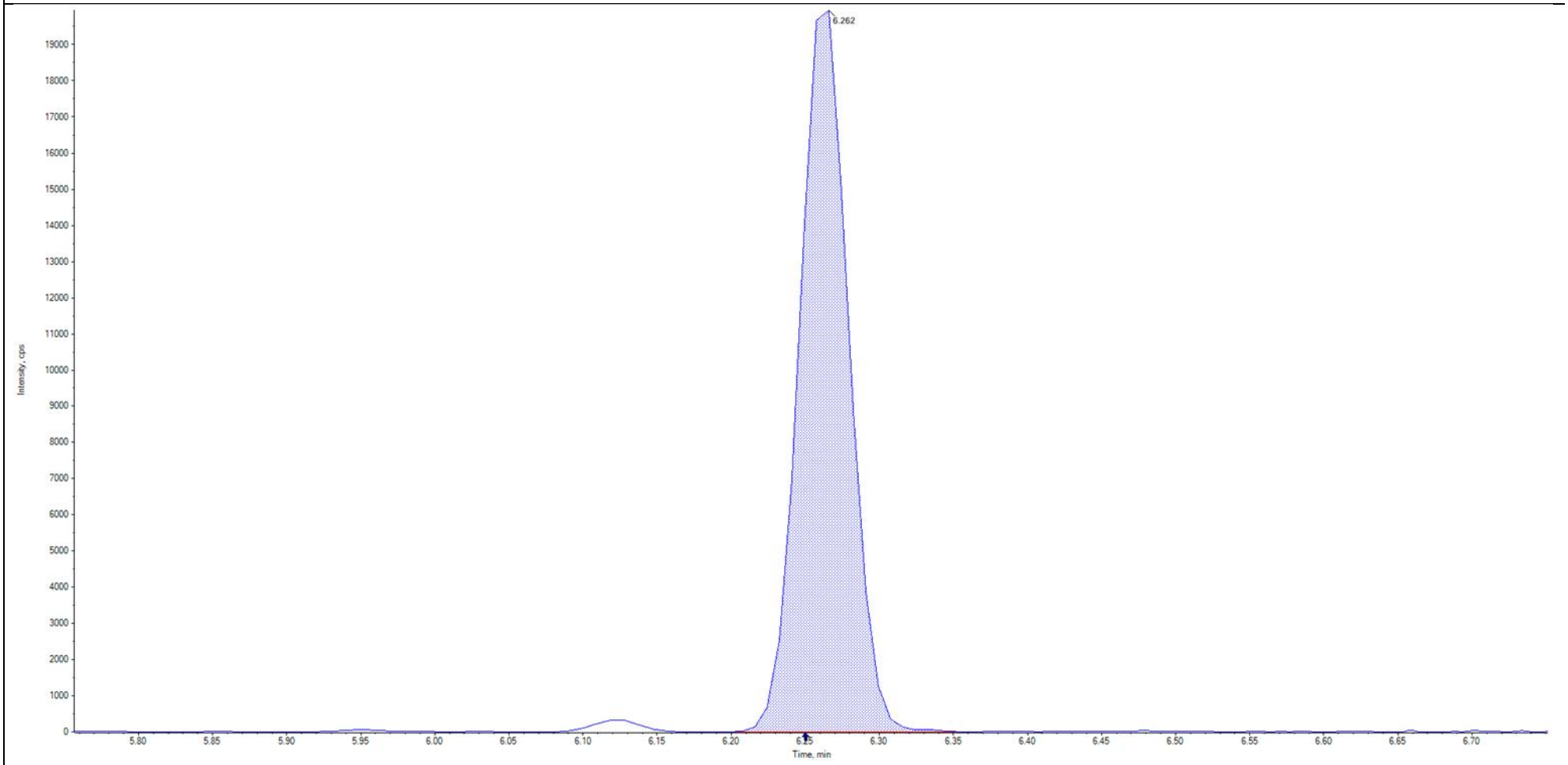
13C8-PFOSA
Sample: WG2011107-3R



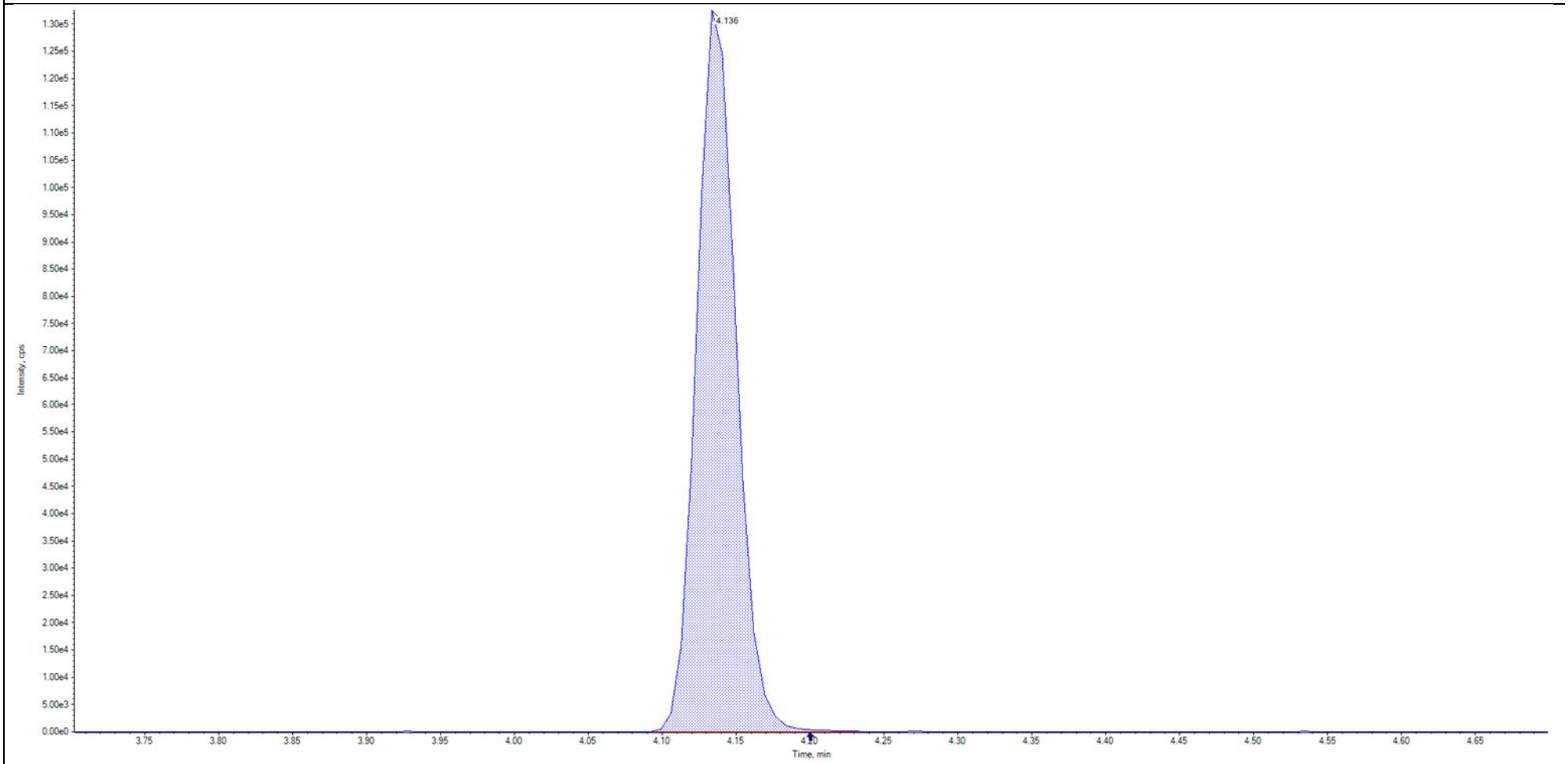
d3-NMeFOSA
Sample: WG2011107-3R



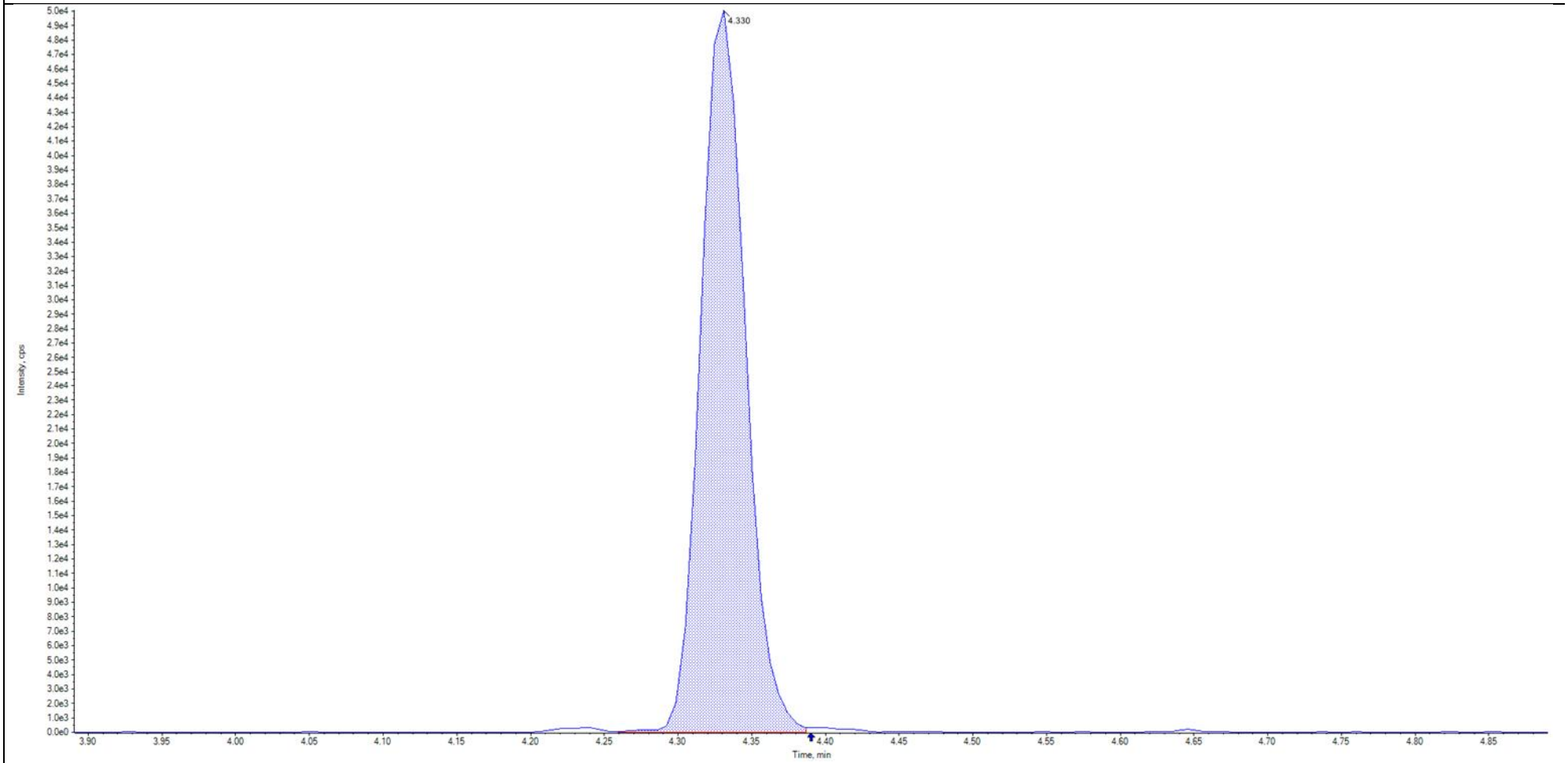
d5-NEtFOSA
Sample: WG2011107-3R



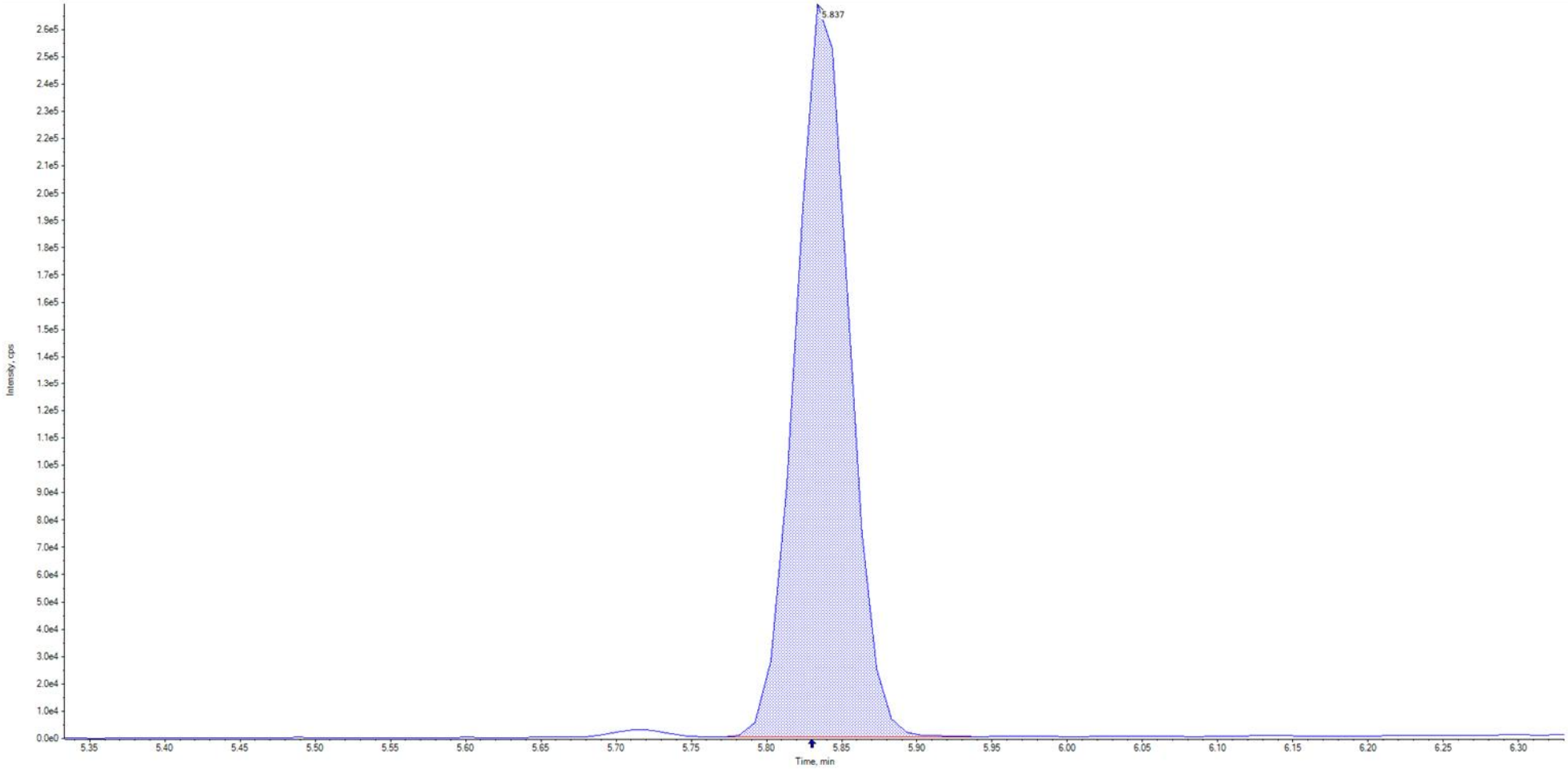
d3-NMeFOSAA
Sample: WG2011107-3R



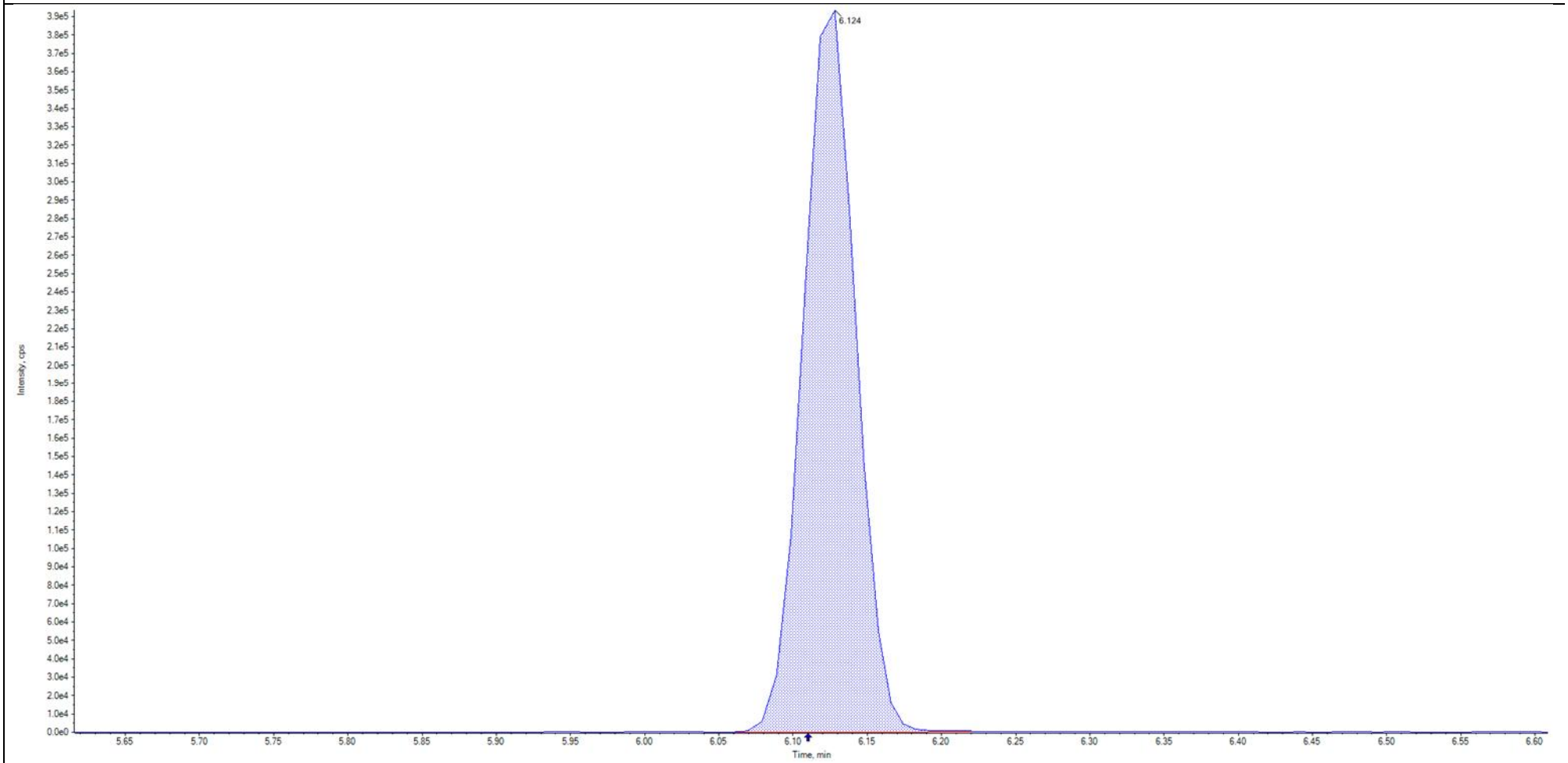
d5-NEtFOSAA
Sample: WG2011107-3R



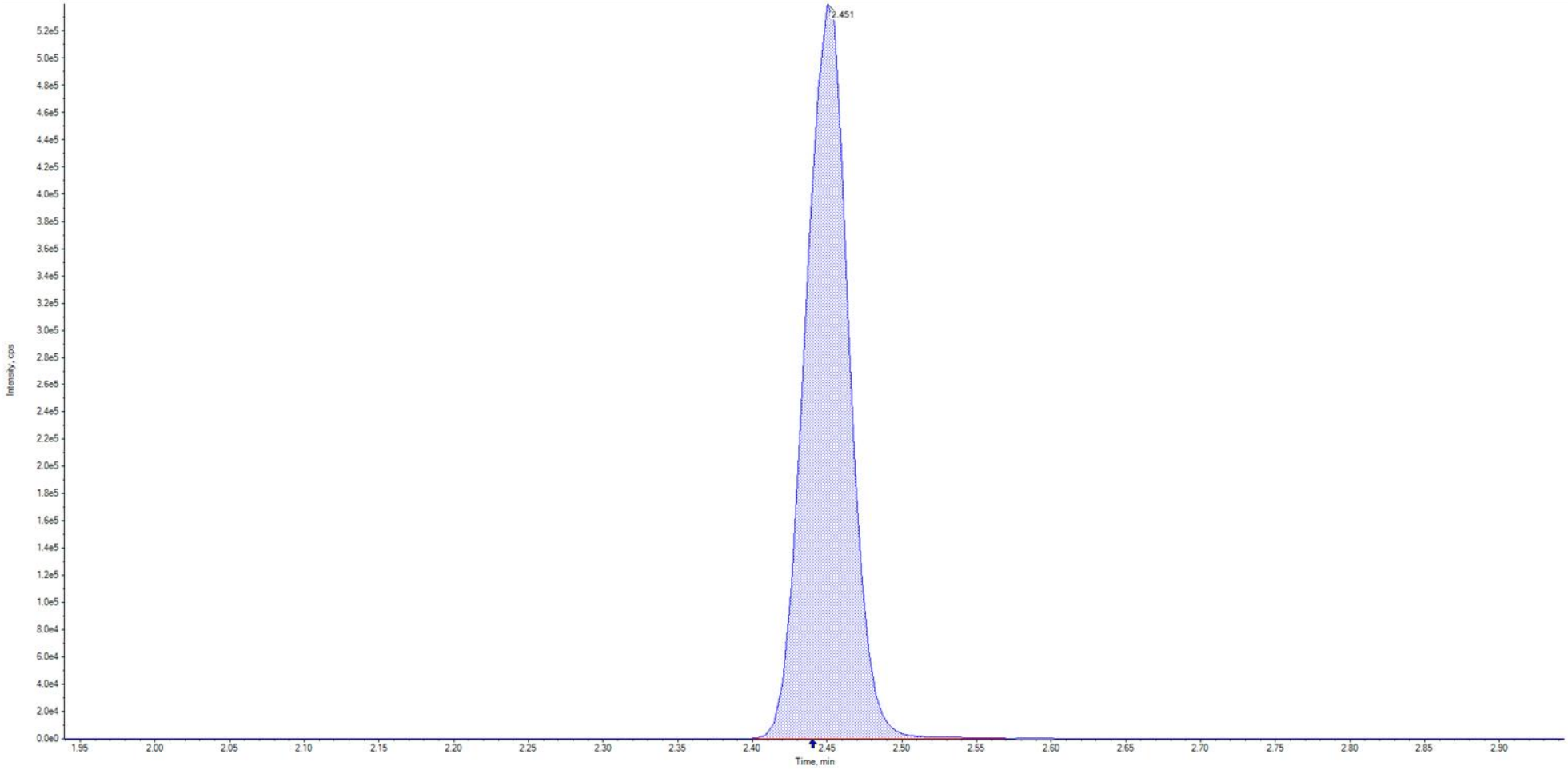
d7-NMeFOSE
Sample: WG2011107-3R



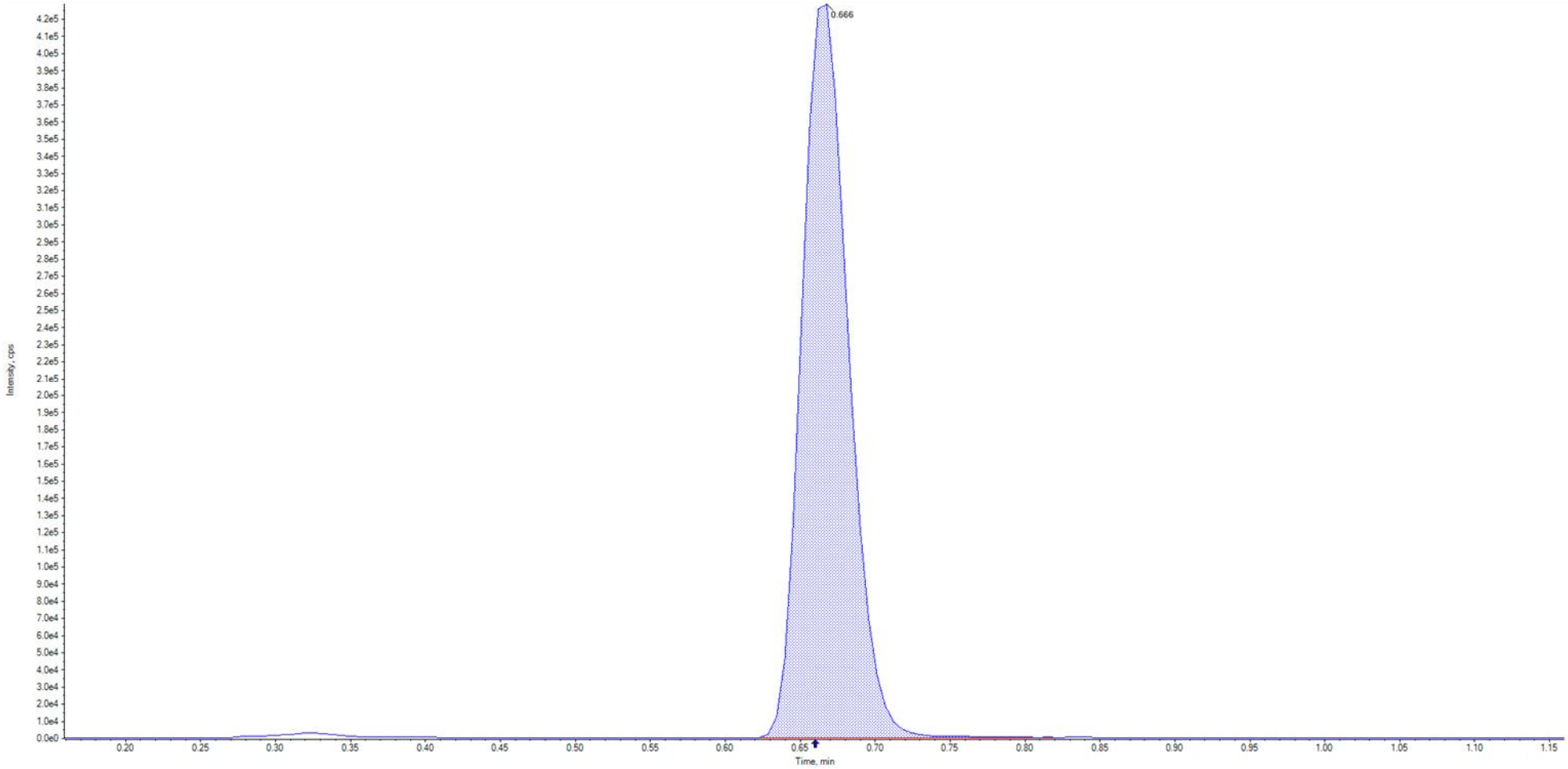
d9-NEtFOSE
Sample: WG2011107-3R



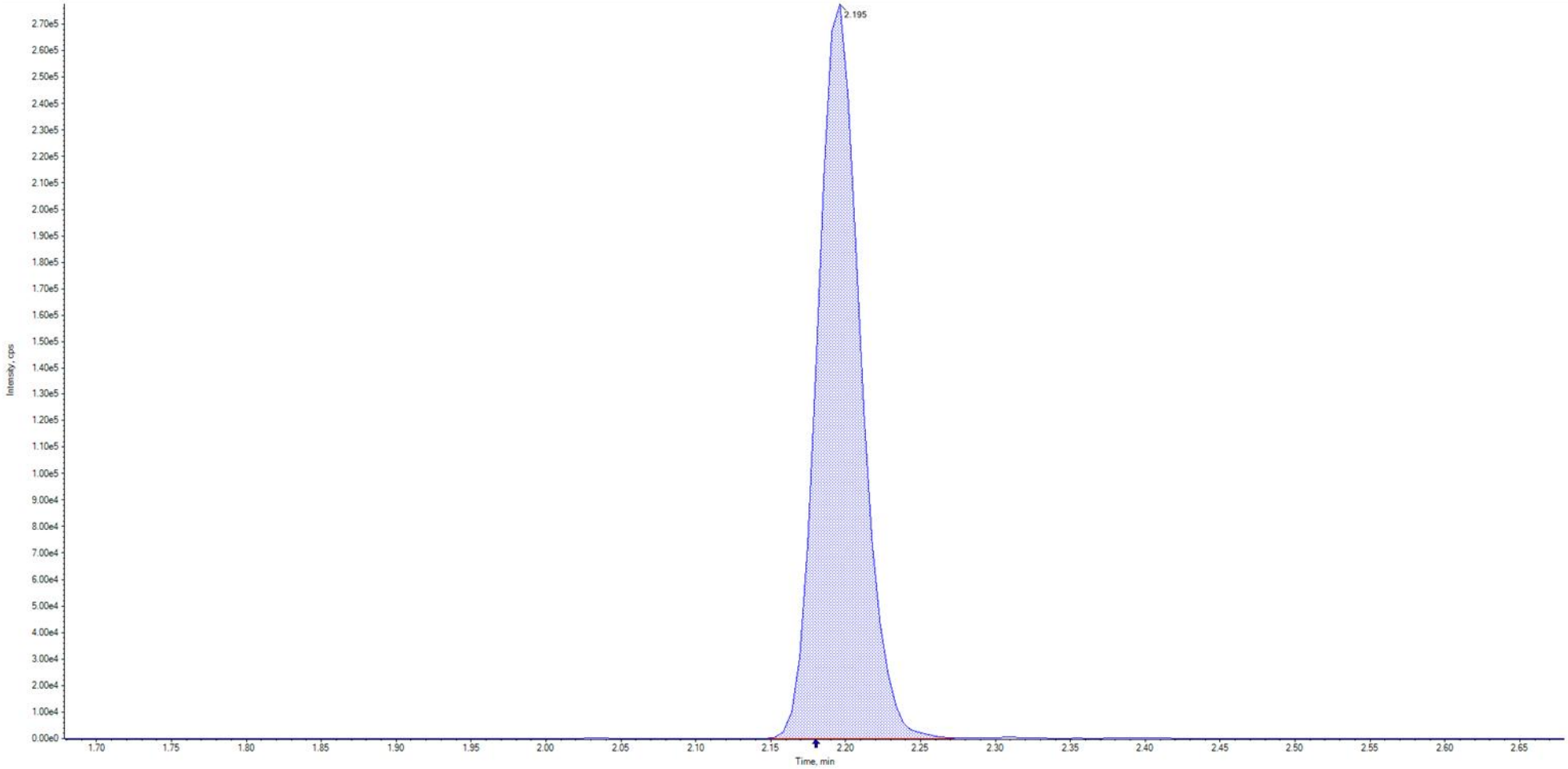
13C3-HFPO-DA
Sample: WG2011107-3R



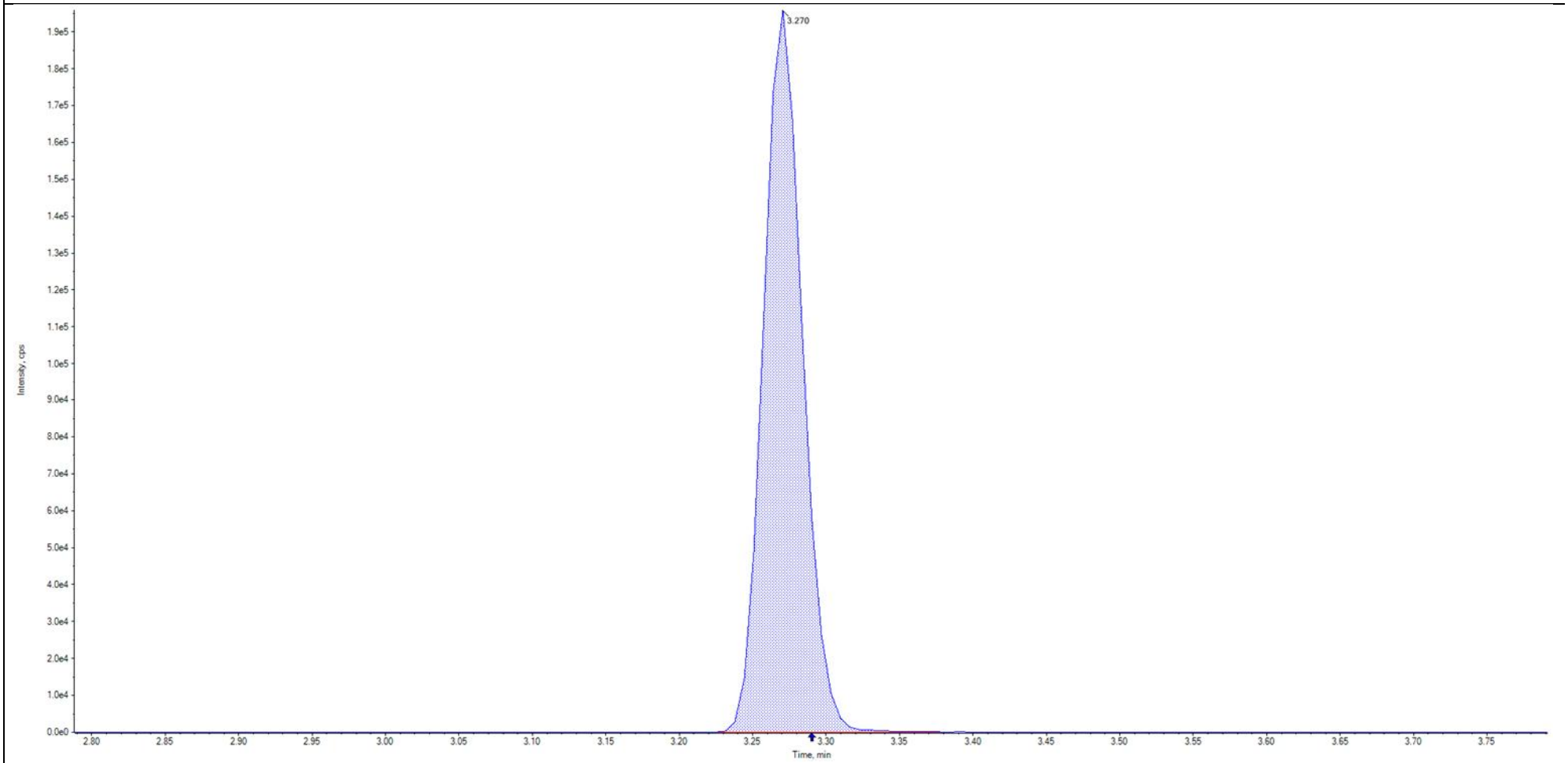
13C3-PFBA
Sample: WG2011107-3R



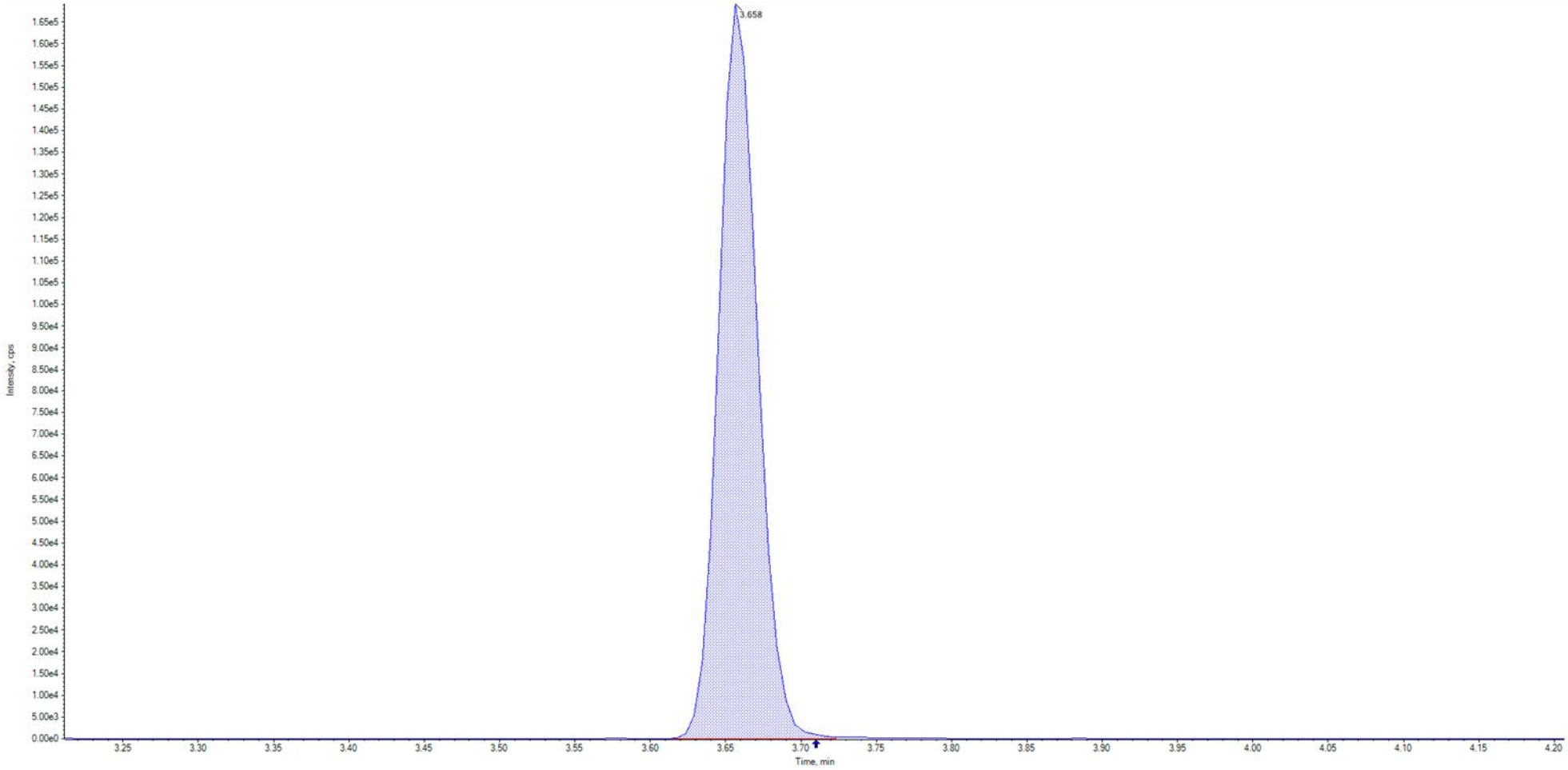
13C2-PFHxA
Sample: WG2011107-3R



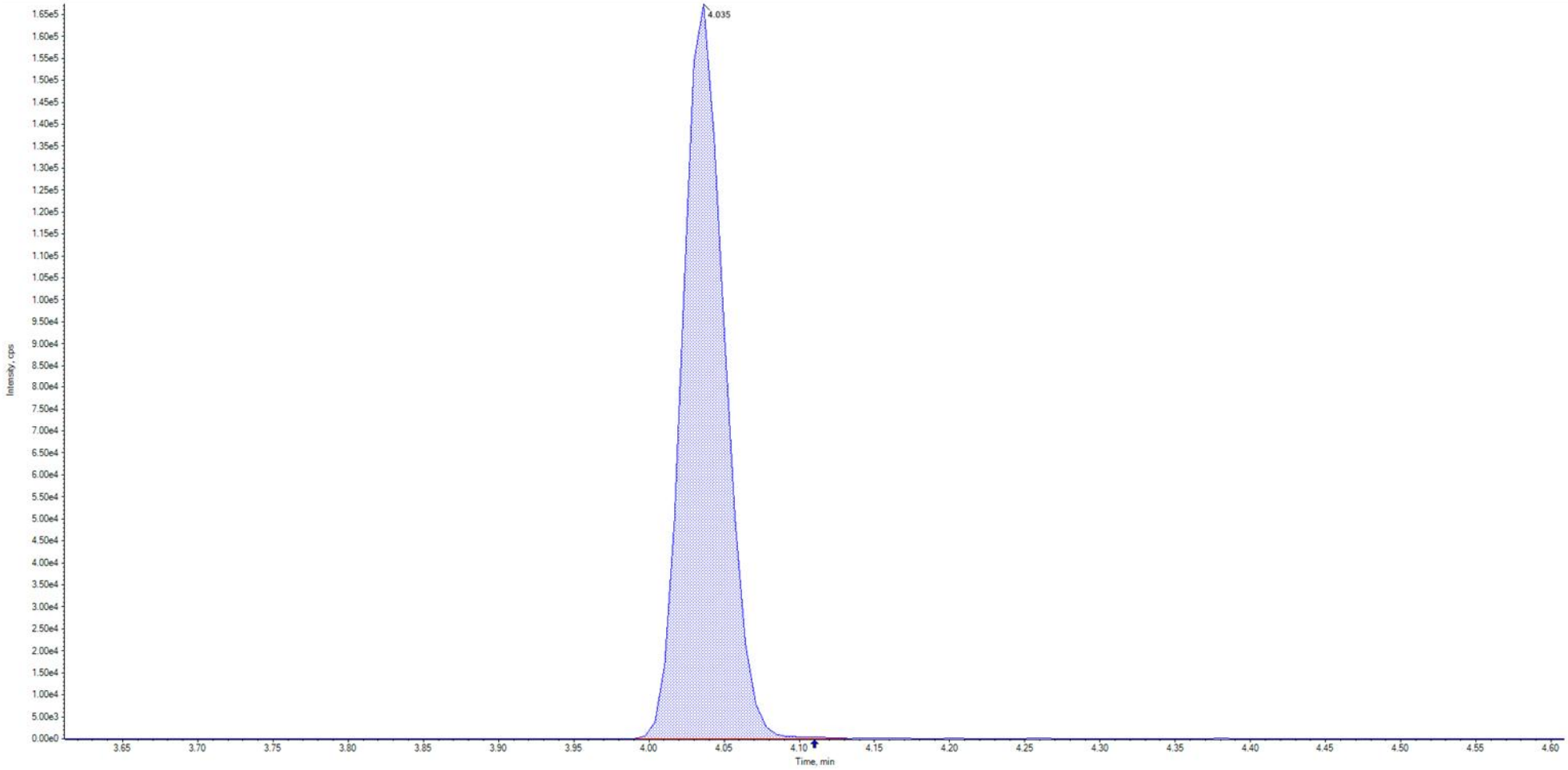
13C4-PFOA
Sample: WG2011107-3R



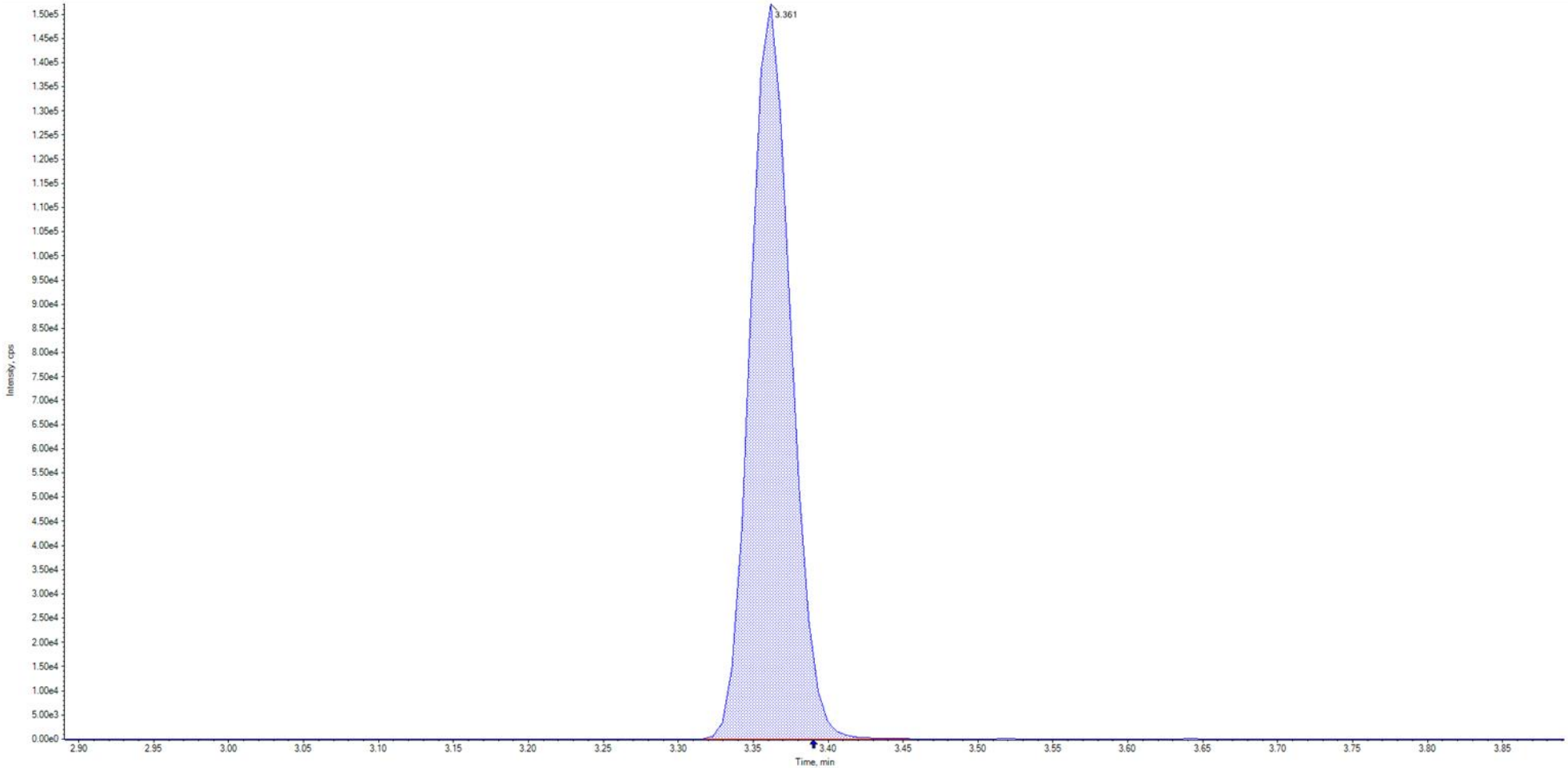
13C5-PFNA
Sample: WG2011107-3R



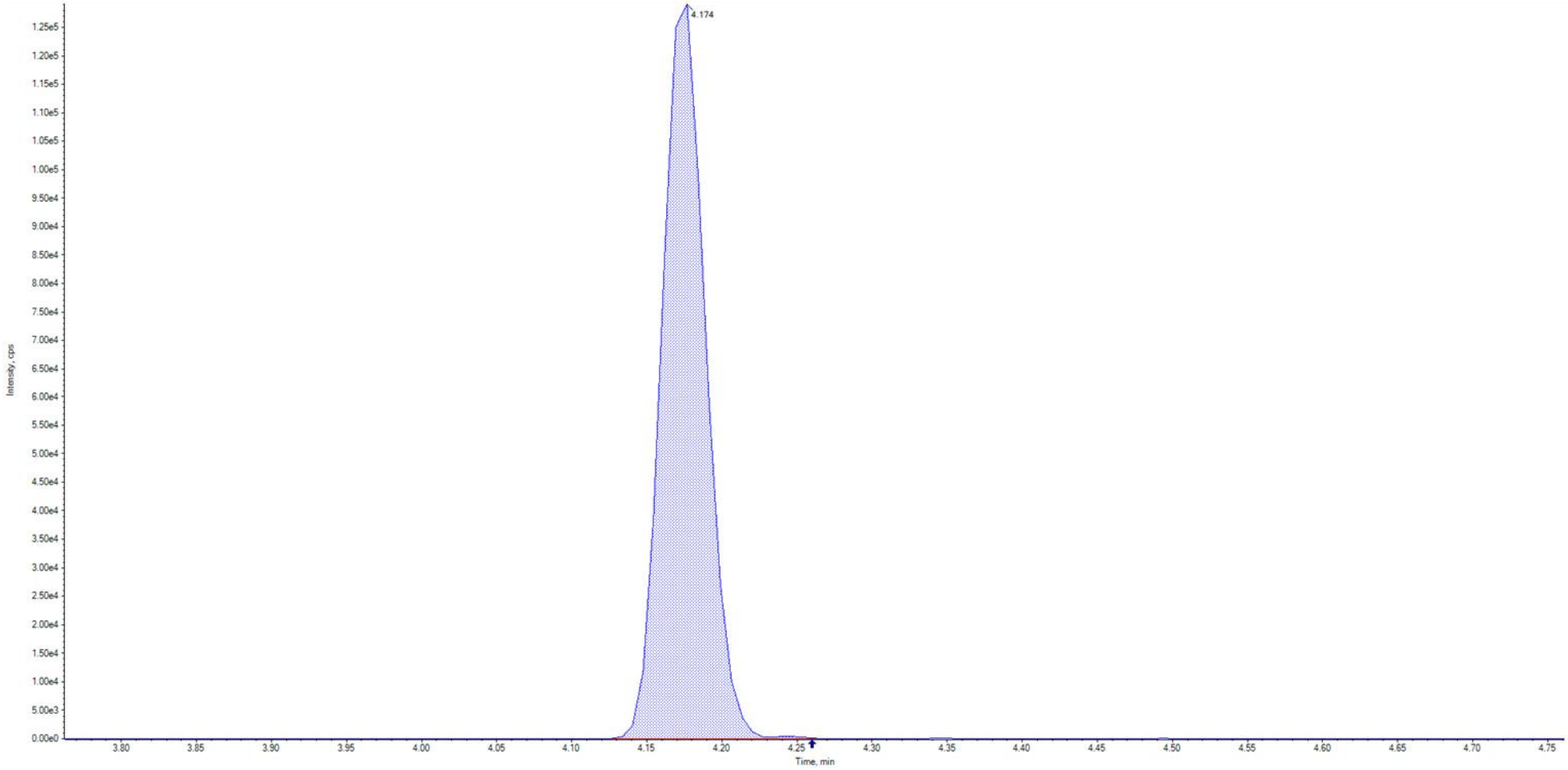
13C2-PFDA
Sample: WG2011107-3R



18O2-PFHxS
Sample: WG2011107-3R



13C4-PFOS
Sample: WG2011107-3R



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_96.wiff2_5
Last Altered: 12/20/2024 3:21:32 AM
Generated: 12/19/2024 2:27:31 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

Method: EPA1633F.qmethod
Calibration: 241115_EPA1633_ICAL

ID: WG2011107-4
Name: SCI05_241219_88.wiff2
Date & Time: 2024-12-19T23:04:47
Description: WG2011094,WG2011107,ICAL21712
Instrument: SCIEX Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.66	213.0 / 169.0	730257		8.895	N/A	N/A	N/A	89.0
2	PFPeA	2706-90-3	1.36	263.0 / 219.0	718473		5.807	0.005	N/A	N/A	116.1
3	PFPeA_2	2706-90-3	1.36	263.0 / 68.9	3412	M4	3.716	0.005	N/A	N/A	74.3
4	PFHxA	307-24-4	2.18	313.0 / 269.0	564819	M4	1.675	0.084	0.089	Pass	67.0
5	PFHxA_2	307-24-4	2.18	313.0 / 119.0	47466		1.907	0.084	0.089	Pass	76.3
6	PFHpA	375-85-9	2.83	363.1 / 319.0	695405		1.286	0.290	0.332	Pass	51.4
7	PFHpA_2	375-85-9	2.83	363.1 / 169.0	201339		1.162	0.290	0.332	Pass	46.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.27	413.1 / 369.1	1436670	M5	5.316	0.337	0.369	Pass	212.6
9	PFOA_2	335-67-1	3.27	413.1 / 169.0	484666	M5	4.857	0.337	0.369	Pass	194.3
10	PFNA	375-95-1	3.66	462.8 / 418.9	656694	M5	2.348	0.301	0.303	Pass	93.9
11	PFNA_2	375-95-1	3.66	462.8 / 219.0	197641	M5	2.368	0.301	0.303	Pass	94.7
12	PFDA	335-76-2	4.05	513.1 / 469.1	630415		2.343	0.158	0.162	Pass	93.7
13	PFDA_2	335-76-2	4.05	513.1 / 219.0	99787		2.246	0.158	0.162	Pass	89.9
14	PFUnA	2058-94-8	4.43	563.1 / 519.1	484750		2.230	0.203	0.199	Pass	89.2
15	PFUnA_2	2058-94-8	4.43	563.1 / 269.0	98186		2.329	0.203	0.199	Pass	93.1
16	PFDoA	307-55-1	4.80	613.1 / 569.1	486555		2.022	0.194	0.180	Pass	80.9
17	PFDoA_2	307-55-1	4.80	613.1 / 319.0	94604		2.126	0.194	0.180	Pass	85.0
18	PFTrDA	72629-94-8	5.17	663.1 / 619.1	455600		1.910	0.152	0.160	Pass	76.4
19	PFTrDA_2	72629-94-8	5.17	663.1 / 169.0	69340		1.805	0.152	0.160	Pass	72.2
20	PFTeDA	376-06-7	5.53	713.1 / 669.1	431769		1.916	0.147	0.149	Pass	76.6
21	PFTeDA_2	376-06-7	5.53	713.1 / 169.0	63594		1.934	0.147	0.149	Pass	77.4
22	PFBS	375-73-5	2.16	299.1 / 80.1	395512		1.866	0.415	0.388	Pass	84.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.16	299.1 / 99.1	164065		1.948	0.415	0.388	Pass	87.7
24	PFPeS	2706-91-4	2.88	349.1 / 80.1	483774	M4	2.329	0.254	0.297	Pass	99.1
25	PFPeS_2	2706-91-4	2.88	349.1 / 99.1	122637		2.034	0.254	0.297	Pass	86.5
26	PFHxS	355-46-4	3.36	399.1 / 80.1	420185	M5	2.244	0.288	0.296	Pass	98.4
27	PFHxS_2	355-46-4	3.36	399.1 / 99.1	121118	M5	2.103	0.288	0.296	Pass	92.2
28	PFHpS	375-92-8	3.78	449.1 / 80.1	399329		2.300	0.279	0.258	Pass	96.6
29	PFHpS_2	375-92-8	3.79	449.1 / 99.1	111520		2.441	0.279	0.258	Pass	102.6
30	PFOS	1763-23-1	4.19	499.1 / 80.1	620682	M5	3.240	0.232	0.233	Pass	139.7
31	PFOS_2	1763-23-1	4.19	499.1 / 99.1	143911	M5	3.367	0.232	0.233	Pass	145.2
32	PFNS	68259-12-1	4.58	549.1 / 80.1	237667		1.885	0.293	0.296	Pass	78.5
33	PFNS_2	68259-12-1	4.58	549.1 / 99.1	69586		1.884	0.293	0.296	Pass	78.5
34	PFDS	335-77-3	4.95	599.1 / 80.1	216071		1.742	0.280	0.272	Pass	72.3
35	PFDS_2	335-77-3	4.95	599.1 / 99.1	60455		1.739	0.280	0.272	Pass	72.2
36	PFDoS	79780-39-5	5.68	699.2 / 80.1	180902		1.591	0.255	0.263	Pass	65.7
37	PFDoS_2	79780-39-5	5.68	699.2 / 99.1	46172		1.547	0.255	0.263	Pass	63.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.96	327.1 / 307.1	1481632		8.309	0.539	0.559	Pass	88.7
39	4:2FTS_2	757124-72-4	1.96	327.1 / 81.1	799071	M4	7.940	0.539	0.559	Pass	84.7
40	6:2FTS	27619-97-2	3.11	427.2 / 407.2	1499166		9.635	0.578	0.593	Pass	101.3
41	6:2FTS_2	27619-97-2	3.11	427.2 / 81.1	866283		8.970	0.578	0.593	Pass	94.3
42	8:2FTS	39108-34-4	3.88	527.2 / 507.2	759677		9.601	0.737	0.759	Pass	100.0
43	8:2FTS_2	39108-34-4	3.88	527.2 / 81.1	559614		9.525	0.737	0.759	Pass	99.2
44	PFOSA	754-91-6	5.28	498.1 / 78.1	475224	M5	2.490	0.024	0.023	Pass	99.6
45	PFOSA_2	754-91-6	5.28	498.1 / 478.0	11175	M5	2.473	0.024	0.023	Pass	98.9
46	NMeFOSA	31506-32-8	6.00	512.2 / 219.0	62388	M5	1.983	1.417	1.457	Pass	79.3
47	NMeFOSA_2	31506-32-8	5.93	512.2 / 169.0	88386	M5	1.935	1.417	1.457	Pass	77.4
48	NEtFOSA	4151-50-2	6.28	526.2 / 219.0	57542	M5	2.081	1.281	1.309	Pass	83.3
49	NEtFOSA_2	4151-50-2	6.23	526.2 / 169.0	73712		2.032	1.281	1.309	Pass	81.3
50	NMeFOSAA	2355-31-9	4.15	570.2 / 419.1	113053	M4	2.772	0.582	0.804	Pass	110.9
51	NMeFOSAA_2	2355-31-9	4.15	570.2 / 483.0	65842	M4	2.116	0.582	0.804	Pass	84.6
52	NEtFOSAA	2991-50-6	4.35	584.2 / 419.1	118467		2.351	0.407	0.419	Pass	94.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.34	584.2 / 526.2	48171		2.169	0.407	0.419	Pass	86.8
54	NMeFOSE	24448-09-7	5.86	616.1 / 58.9	1398144	M5	18.109	N/A	N/A	N/A	72.4
55	NEtFOSE	1691-99-2	6.15	630.0 / 58.9	1984475		18.366	N/A	N/A	N/A	73.5
56	HFPO-DA	13252-13-6	2.43	285.0 / 169.0	1580038		9.489	0.421	0.685	Pass	94.9
57	HFPO-DA_2	13252-13-6	2.43	285.0 / 184.9	664878		6.100	0.421	0.685	Pass	61.0
58	ADONA	919005-14-4	3.00	376.9 / 251.0	3333120		7.155	0.570	0.884	Pass	75.7
59	ADONA_2	919005-14-4	3.00	376.9 / 84.8	1898952		4.052	0.570	0.884	Pass	42.9
60	9Cl-PF3ONS	756426-58-1	4.45	530.8 / 351.1	3580619		8.665	0.327	0.325	Pass	92.9
61	9Cl-PF3ONS_2	756426-58-1	4.45	532.8 / 353.0	1171248		8.692	0.327	0.325	Pass	93.2
62	11Cl-PF3OUdS	763051-92-9	5.21	630.9 / 451.0	1802463		6.632	0.337	0.338	Pass	70.3
63	11Cl-PF3OUdS_2	763051-92-9	5.21	632.9 / 452.9	606825		6.364	0.337	0.338	Pass	67.5
64	3:3FTCA	356-02-5	1.85	241.1 / 177.1	143566		20.494	0.878	1.433	Pass	164.0
65	3:3FTCA_2	356-02-5	1.85	241.1 / 117.0	126042		11.699	0.878	1.433	Pass	93.6
66	5:3FTCA	914637-49-3	3.28	341.1 / 237.1	3406606		42.778	0.953	0.935	Pass	68.5
67	5:3FTCA_2	914637-49-3	3.28	341.1 / 217.0	3246503		44.047	0.953	0.935	Pass	70.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.19	441.1 / 316.9	4178096		95.351	1.166	1.712	Pass	152.6
69	7:3FTCA_2	812-70-4	4.19	441.1 / 337.1	4871789		73.028	1.166	1.712	Pass	116.9
70	PFEESA	113507-82-7	2.52	315.1 / 135.0	2254140		3.393	0.090	0.084	Pass	76.1
71	PFEESA_2	113507-82-7	2.52	315.1 / 82.9	202571		3.577	0.090	0.084	Pass	80.2
72	PFMPA	377-73-1	0.84	229.0 / 85.0	644840		5.863	N/A	N/A	N/A	117.3
73	PFMBA	863090-89-5	1.66	279.0 / 85.0	901266		5.034	N/A	N/A	N/A	100.7
74	NFDHA	151772-58-6	2.10	295.0 / 201.0	384127		3.347	0.652	0.781	Pass	66.9
75	NFDHA_2	151772-58-6	2.10	295.0 / 84.9	250640		2.843	0.652	0.781	Pass	56.9
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.150	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.150	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.65	217.0 / 172.0	973345		11.064	NA	NA	NA	110.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.35	268.0 / 223.0	714616		4.494	NA	NA	NA	89.9
	13C5-PFHxA	EIS	2.18	318.0 / 273.0	549928		4.024	NA	NA	NA	161.0
	13C4-PFHpA	EIS	2.82	367.0 / 322.0	567587		6.049	NA	NA	NA	241.9
	13C8-PFOA	EIS	3.26	420.8 / 376.0	928797		1.431	NA	NA	NA	57.2
	13C9-PFNA	EIS	3.66	472.0 / 427.0	412863		1.349	NA	NA	NA	107.9
	13C6-PFDA	EIS	4.04	519.0 / 474.0	411060		1.350	NA	NA	NA	108.0
	13C7-PFUnA	EIS	4.42	570.0 / 525.0	352552		1.341	NA	NA	NA	107.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.80	615.1 / 570.0	315134		1.439	NA	NA	NA	115.1
	13C2-PFTeDA	EIS	5.52	715.1 / 670.1	251535		1.283	NA	NA	NA	102.7
	13C3-PFBS	EIS	2.16	302.1 / 80.1	515990	M4	2.764	NA	NA	NA	118.6
	13C3-PFHxS	EIS	3.36	402.1 / 80.1	444817		2.750	NA	NA	NA	116.0
	13C8-PFOS	EIS	4.18	507.1 / 80.1	462451		2.611	NA	NA	NA	108.8
	13C2-4:2FTS	EIS	1.96	329.1 / 81.1	455697		14.714	NA	NA	NA	313.7
	13C2-6:2FTS	EIS	3.10	429.2 / 81.1	471517		16.475	NA	NA	NA	346.1
	13C2-8:2FTS	EIS	3.87	529.2 / 81.1	343797		13.369	NA	NA	NA	278.5

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.28	506.1 / 78.1	691663		2.450	NA	NA	NA	98.0
d3-NMeFOSA	EIS	5.99	515.2 / 219.0	76525		1.843	NA	NA	NA	73.7
d5-NEtFOSA	EIS	6.27	531.2 / 219.0	64014		1.654	NA	NA	NA	66.2
d3-NMeFOSAA	EIS	4.15	573.2 / 419.1	278150		6.365	NA	NA	NA	127.3
d5-NEtFOSAA	EIS	4.34	589.3 / 419.1	261146		6.212	NA	NA	NA	124.2
d7-NMeFOSE	EIS	5.84	623.2 / 58.9	747160		15.222	NA	NA	NA	60.9
d9-NEtFOSE	EIS	6.13	639.2 / 58.9	943209		13.260	NA	NA	NA	53.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.43	287.0 / 169.0	1802849		18.106	NA	NA	NA	181.1
	13C3-PFBA	NIS	0.65	216.0 / 172.0	391340	M4	1.978	NA	NA	NA	39.6
	13C2-PFHxA	NIS	2.18	315.0 / 270.0	477783		1.817	NA	NA	NA	72.7
	13C4-PFOA	NIS	3.26	417.0 / 372.0	639277		3.689	NA	NA	NA	147.6
	13C5-PFNA	NIS	3.66	468.0 / 423.0	345224		1.109	NA	NA	NA	88.8
	13C2-PFDA	NIS	4.04	515.1 / 470.1	354071		1.118	NA	NA	NA	89.4
	18O2-PFHxS	NIS	3.35	403.1 / 84.1	327672		2.318	NA	NA	NA	97.8
	13C4-PFOS	NIS	4.18	503.1 / 80.1	307587		2.485	NA	NA	NA	103.5

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

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFBA
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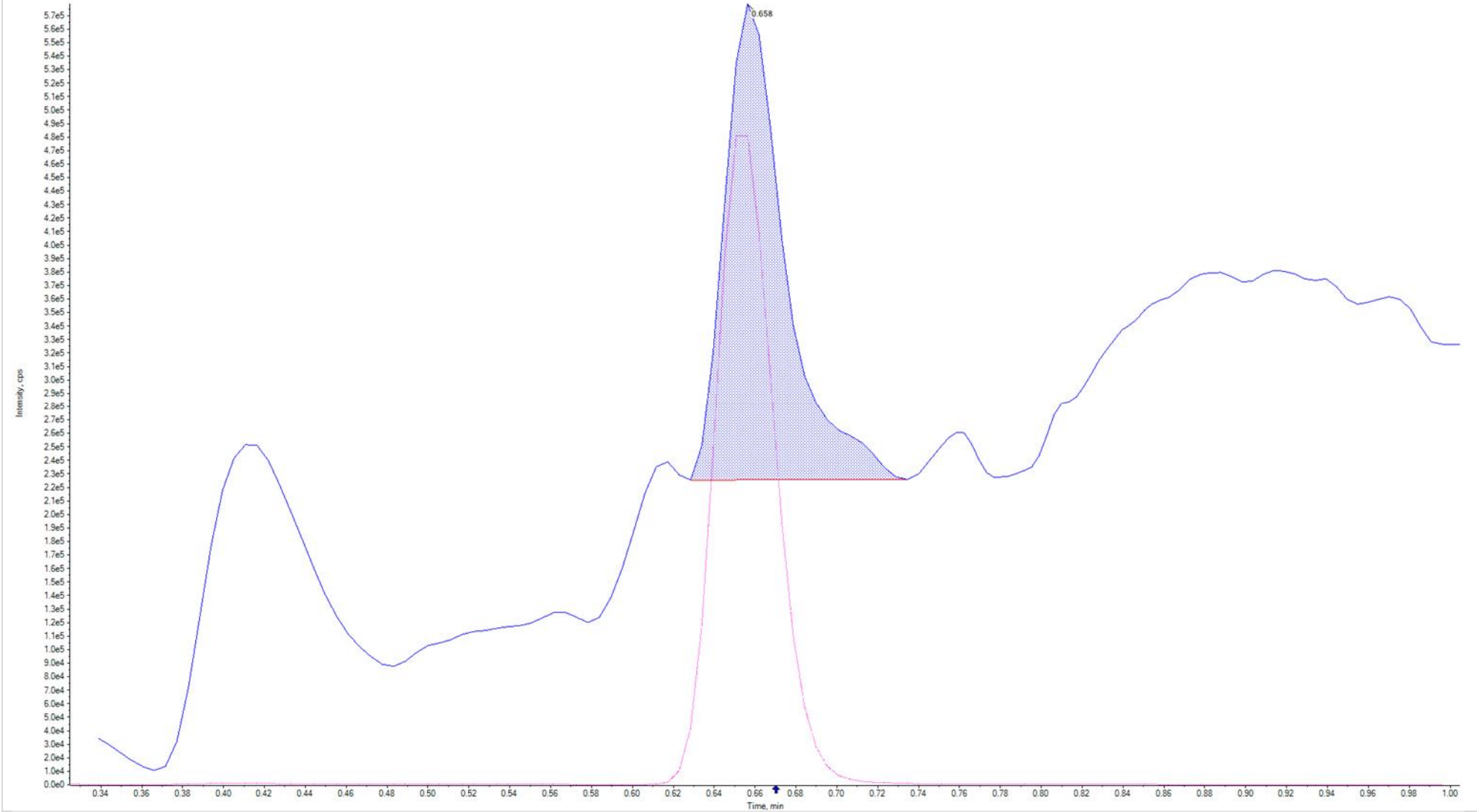

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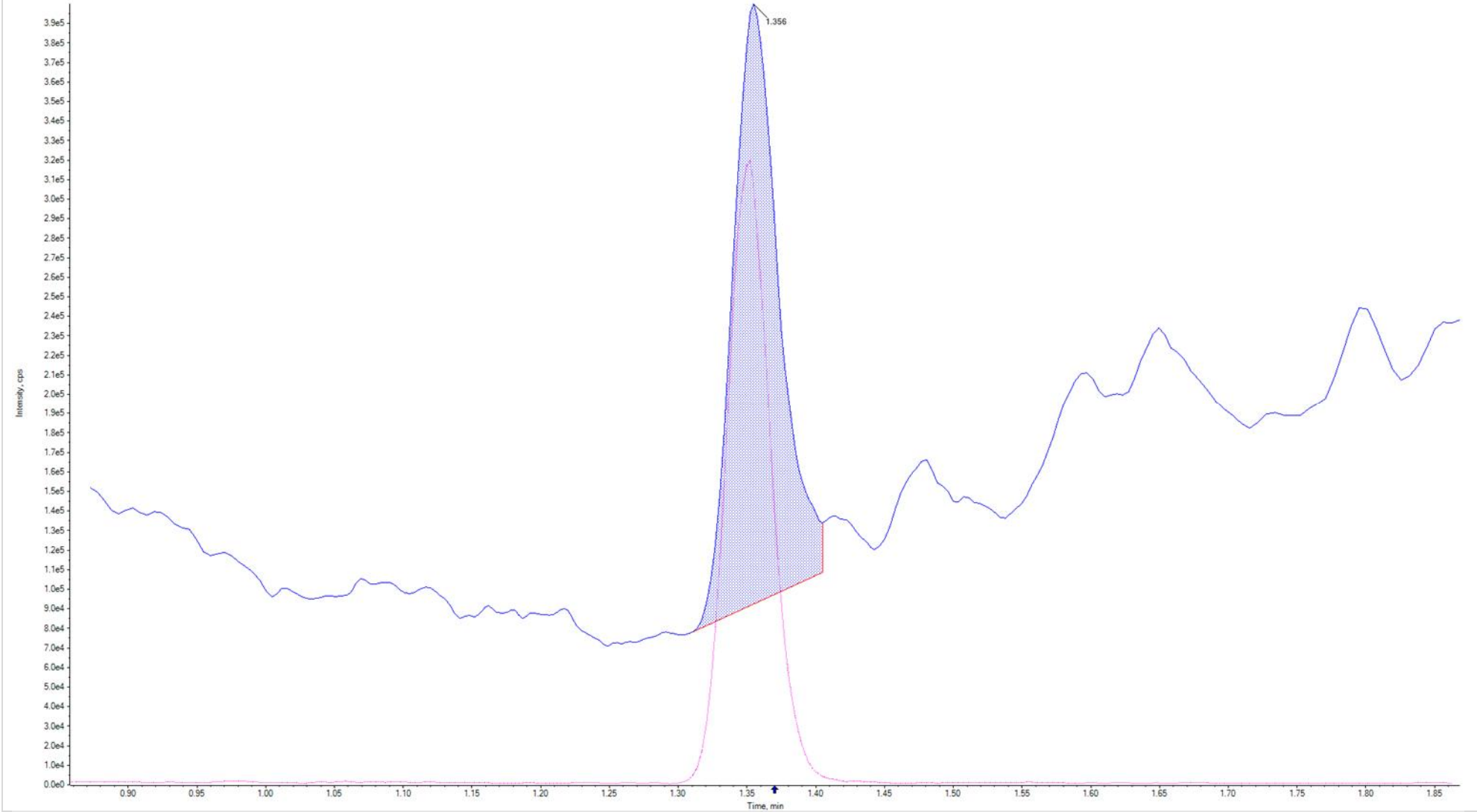
PFPeA
Sample: WG2011107-4 S/N:189.8 Points Across peak:35



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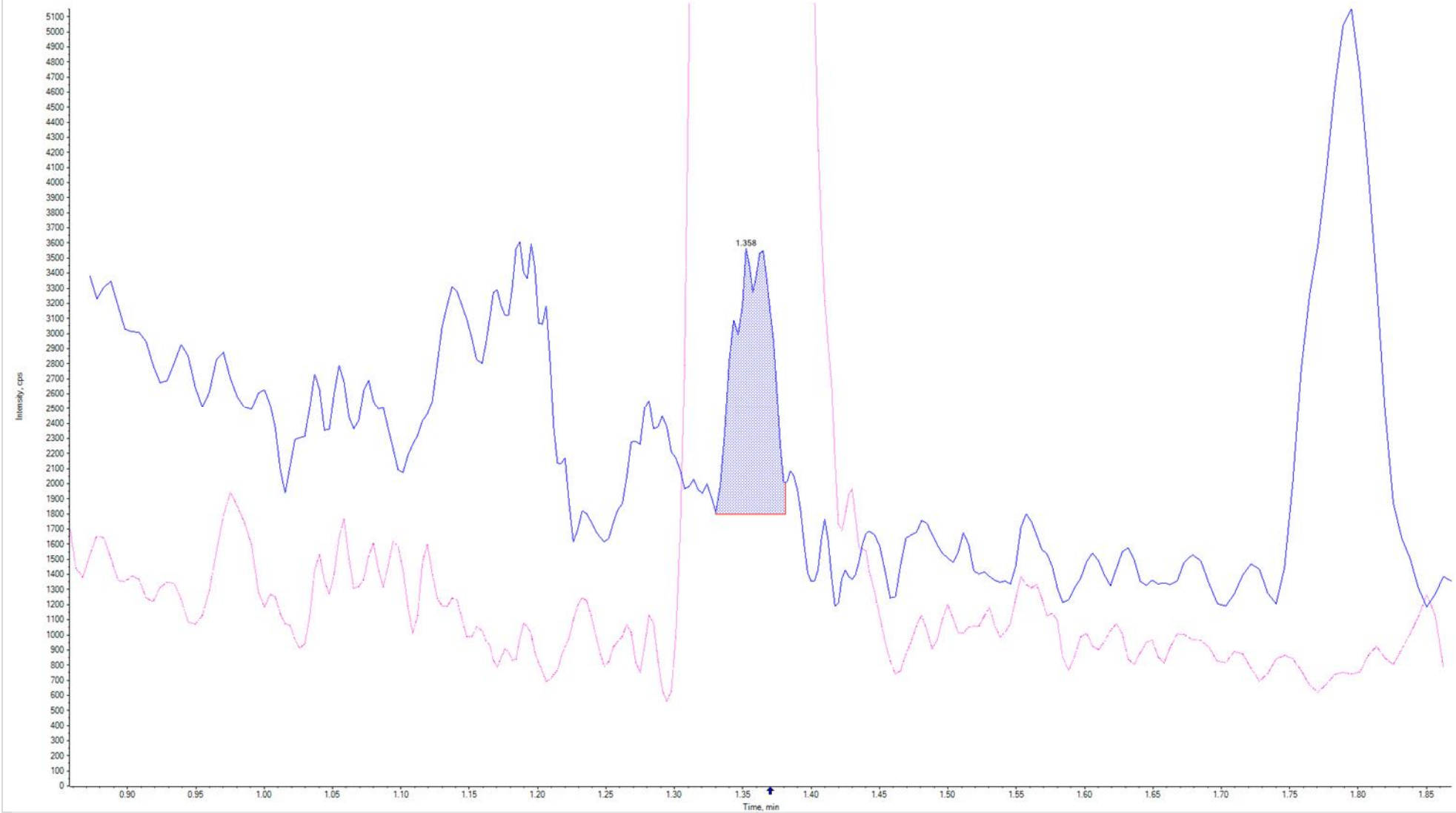
PFPeA_2
Sample: WG2011107-4 S/N:26.4 Points Across peak:21



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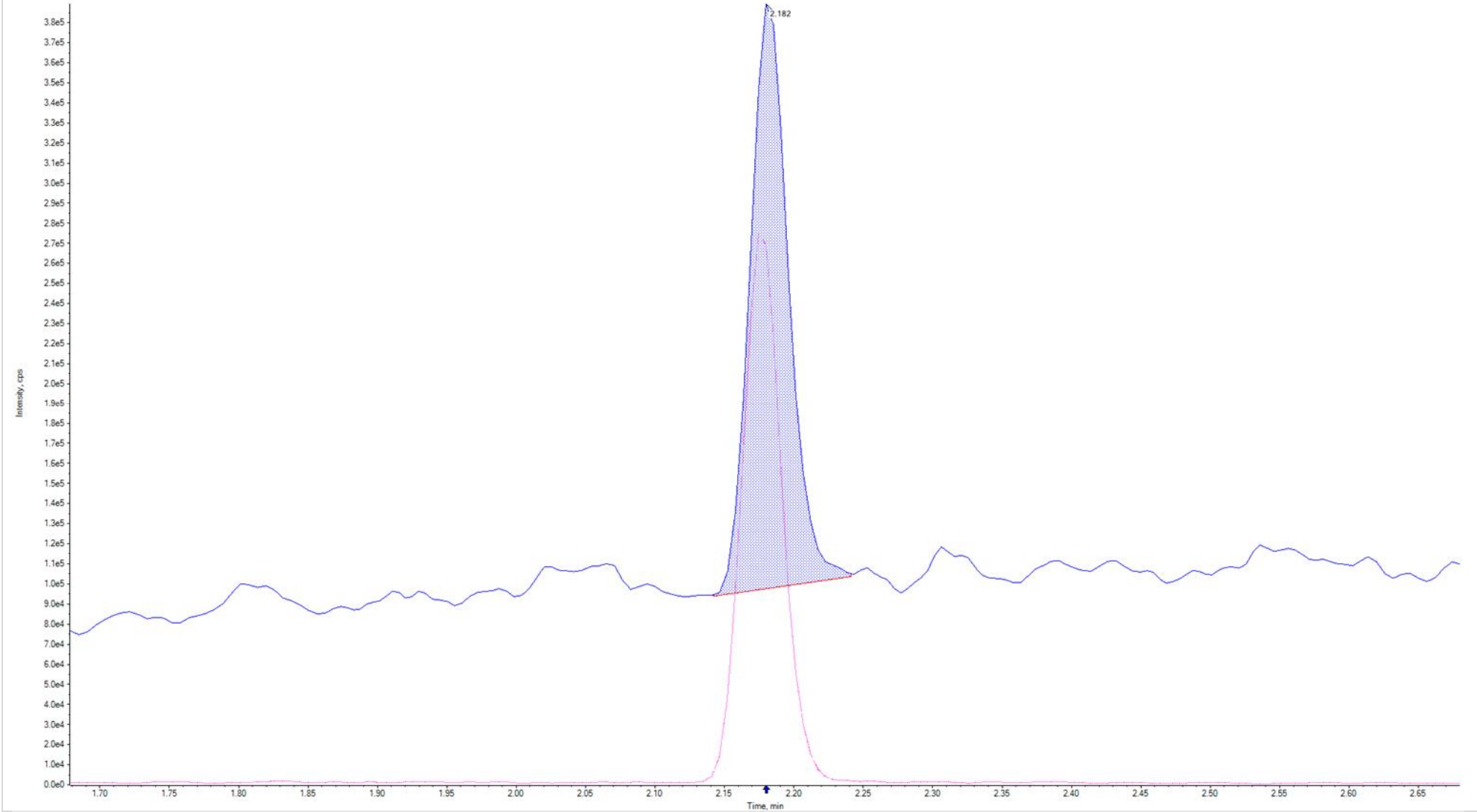
PFHxA
Sample: WG2011107-4 S/N:163.3 Points Across peak:20



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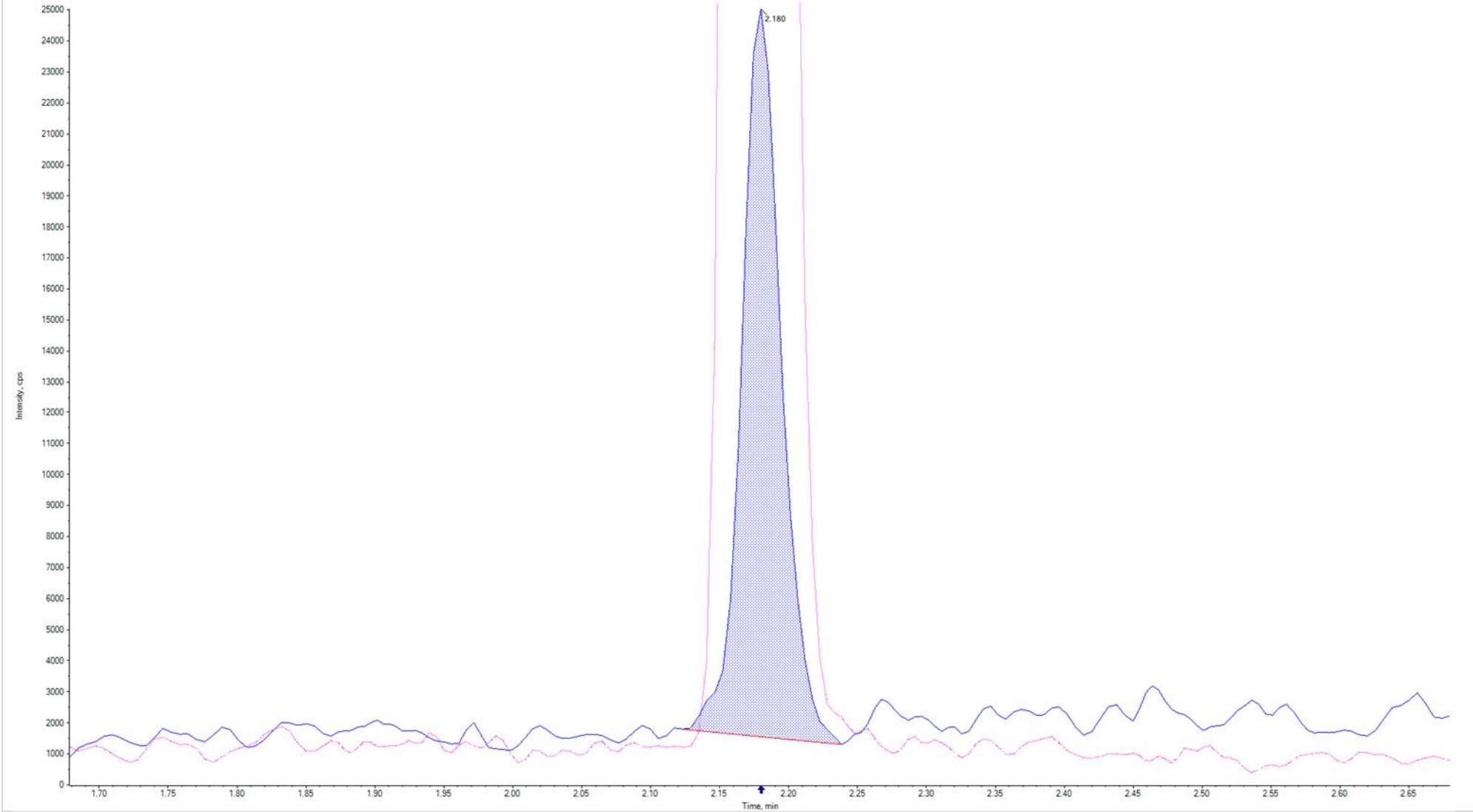
PFHxA_2
Sample: WG2011107-4 S/N:163.2 Points Across peak:22



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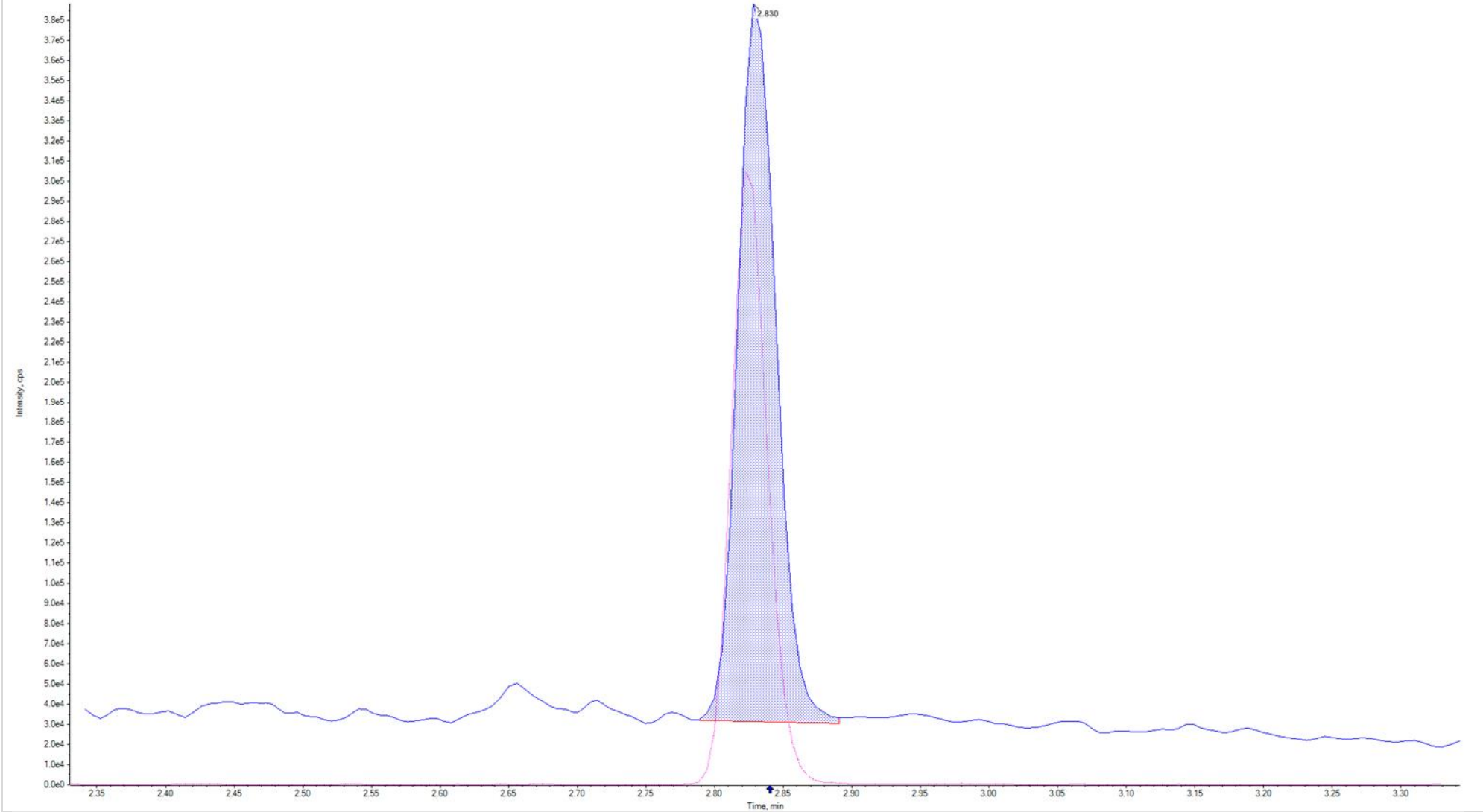
PFHpA
Sample: WG2011107-4 S/N:316.3 Points Across peak:20



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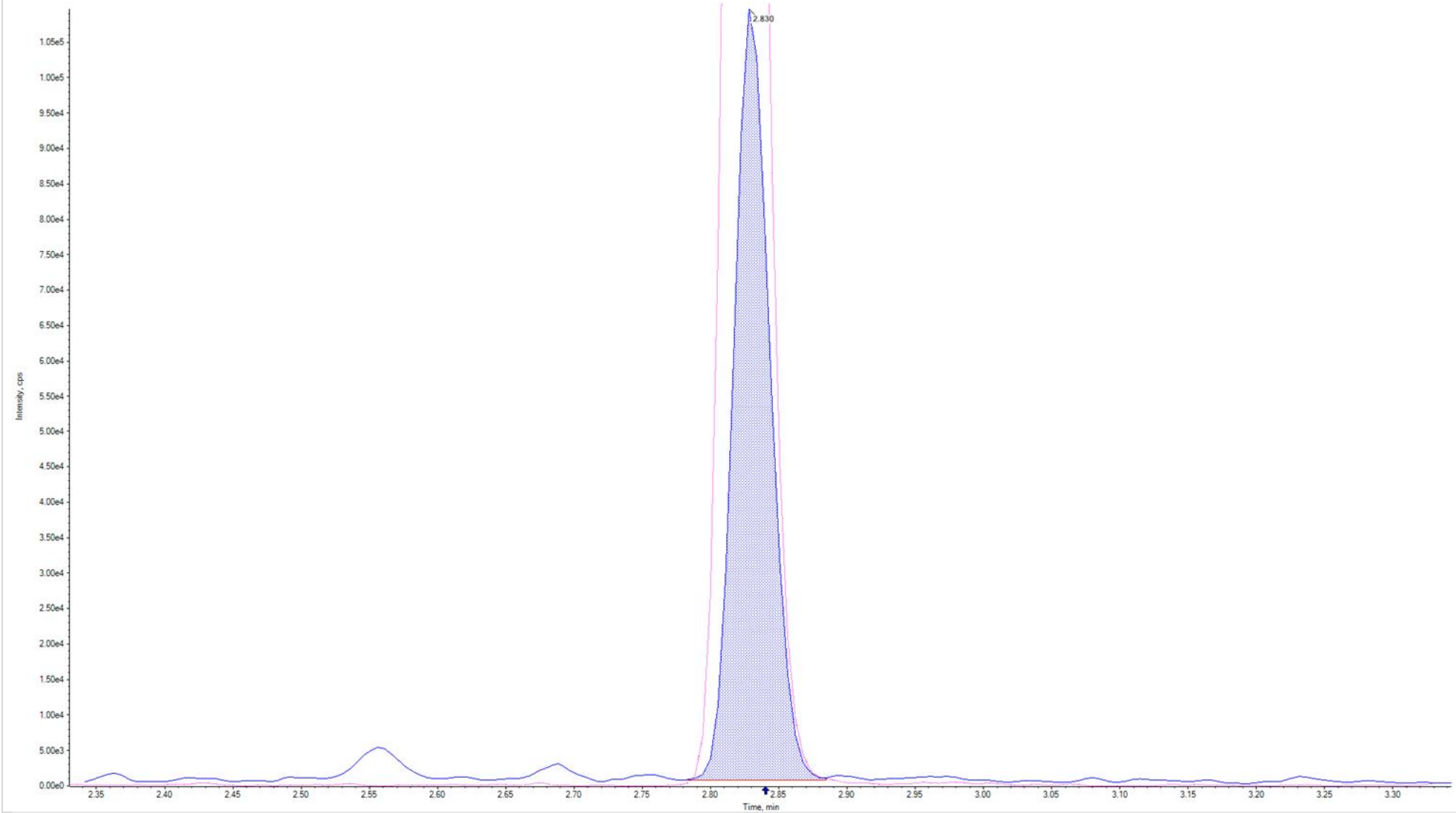
PFHpA_2
Sample: WG2011107-4 S/N:965.0 Points Across peak:20



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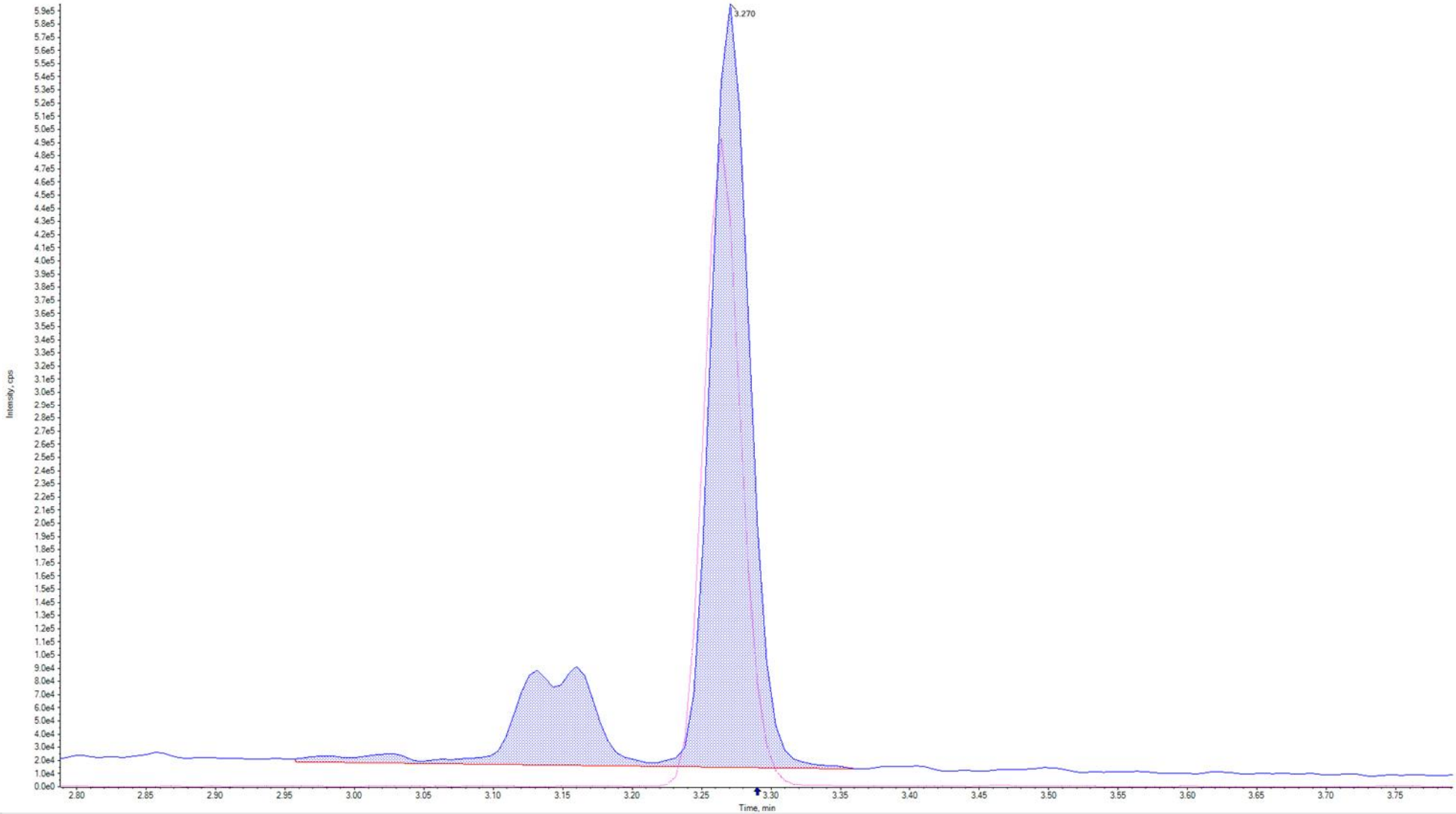
PFOA
Sample: WG2011107-4 S/N:208.4 Points Across peak:68



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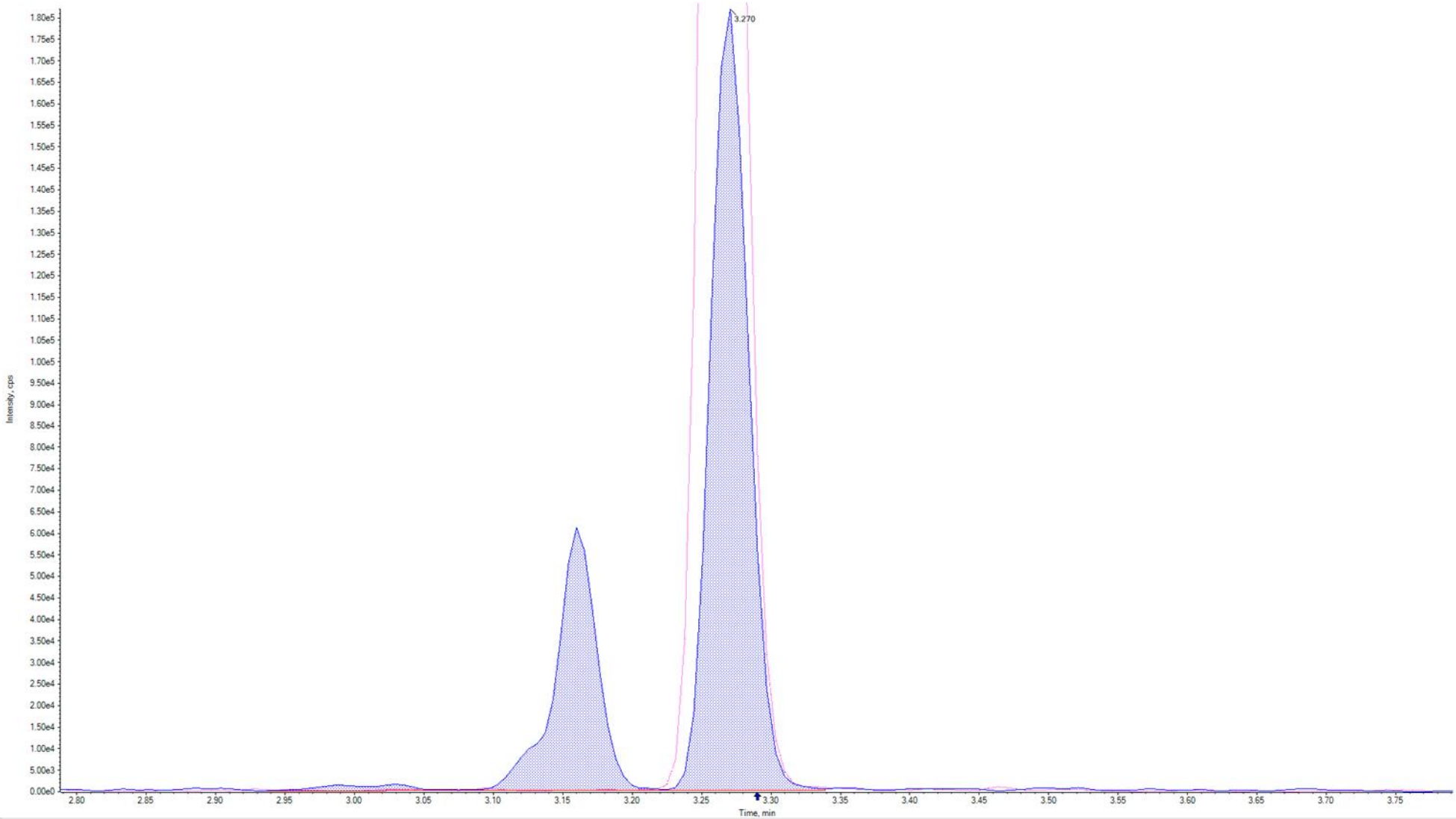
PFOA_2
Sample: WG2011107-4 S/N:351.5 Points Across peak:69



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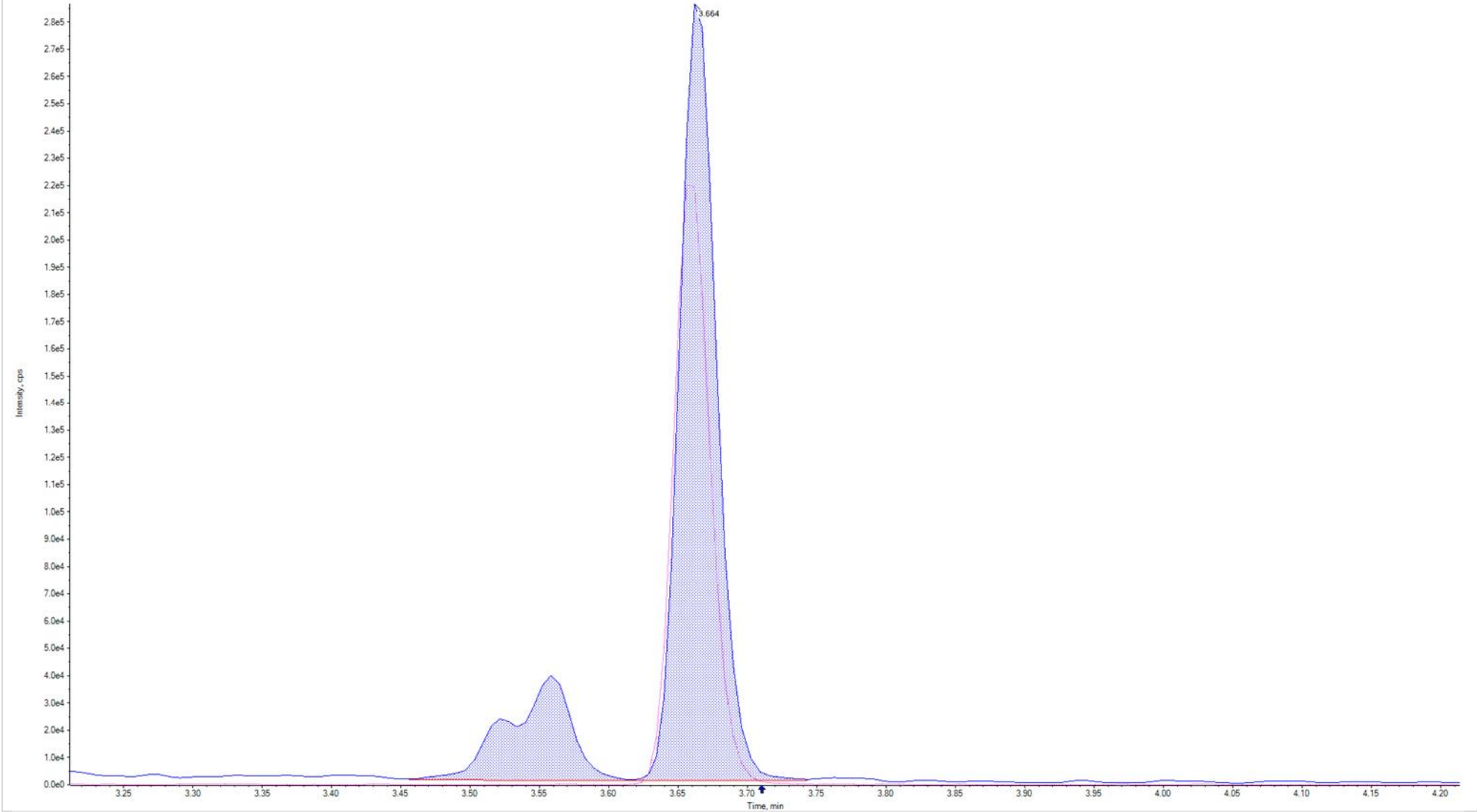
PFNA
Sample: WG2011107-4 S/N:353.7 Points Across peak:50



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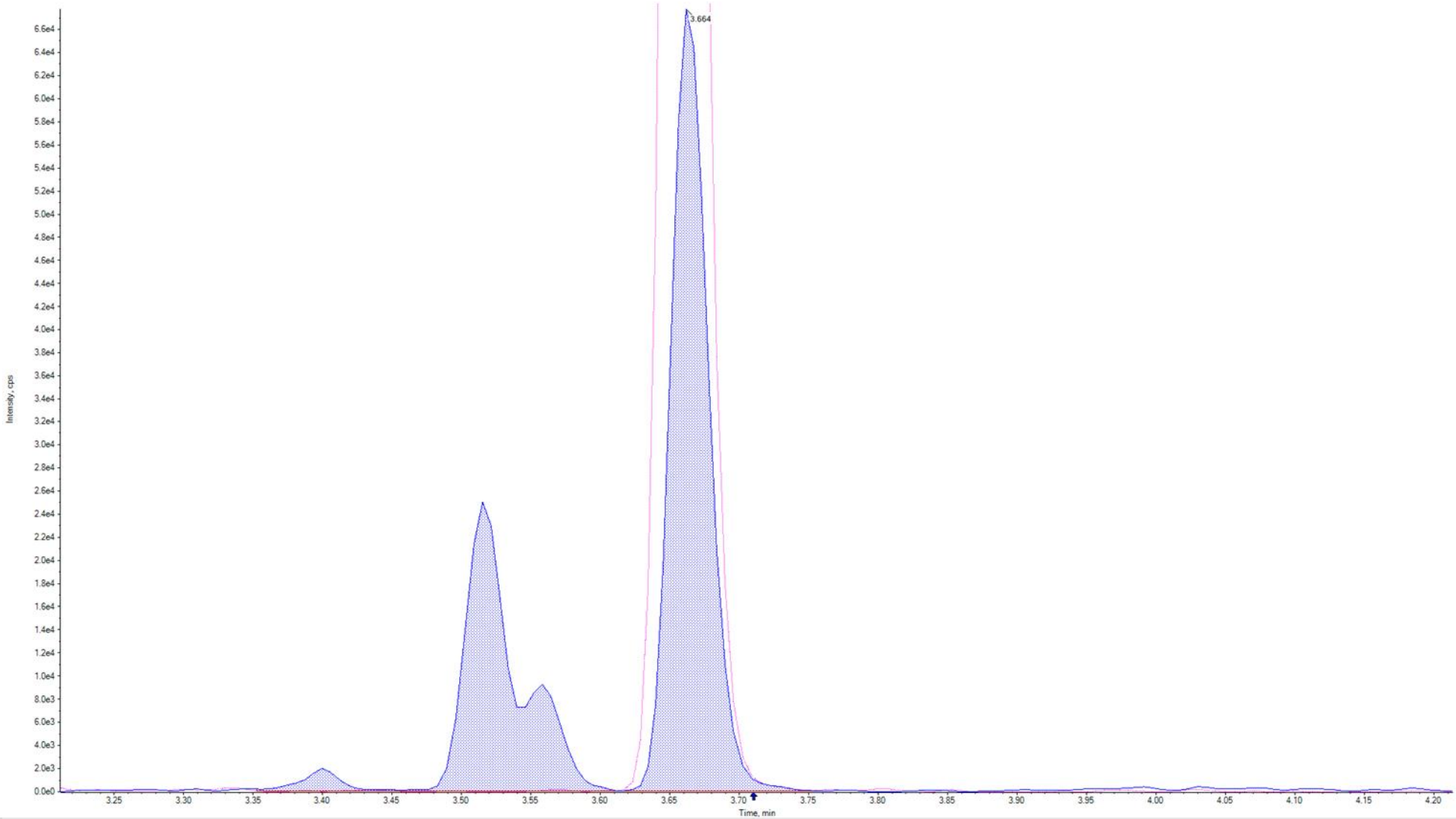
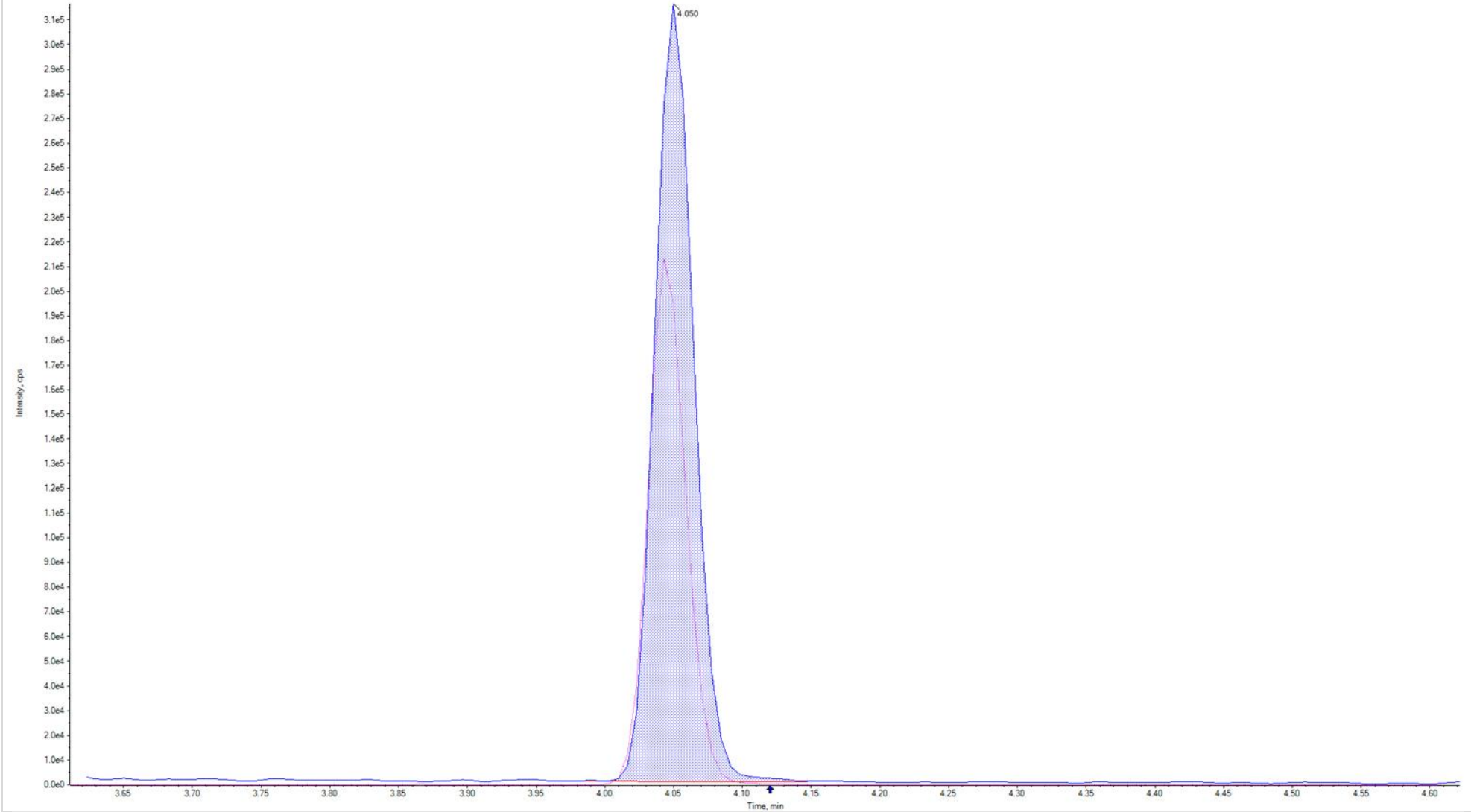
PFNA_2
Sample: WG2011107-4 S/N:307.6 Points Across peak:69



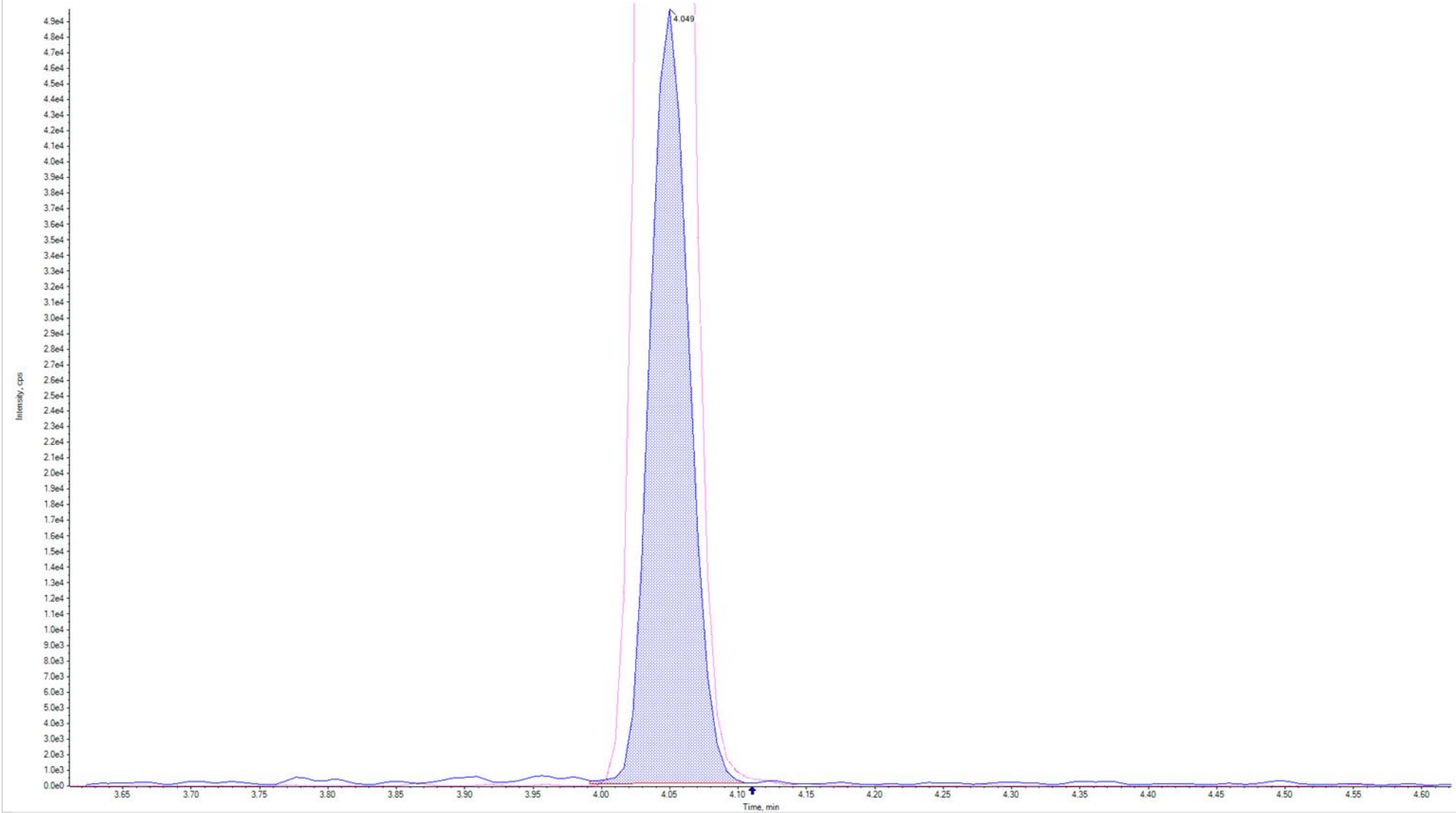
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFDA
Sample: WG2011107-4 S/N:1234.8 Points Across peak:27



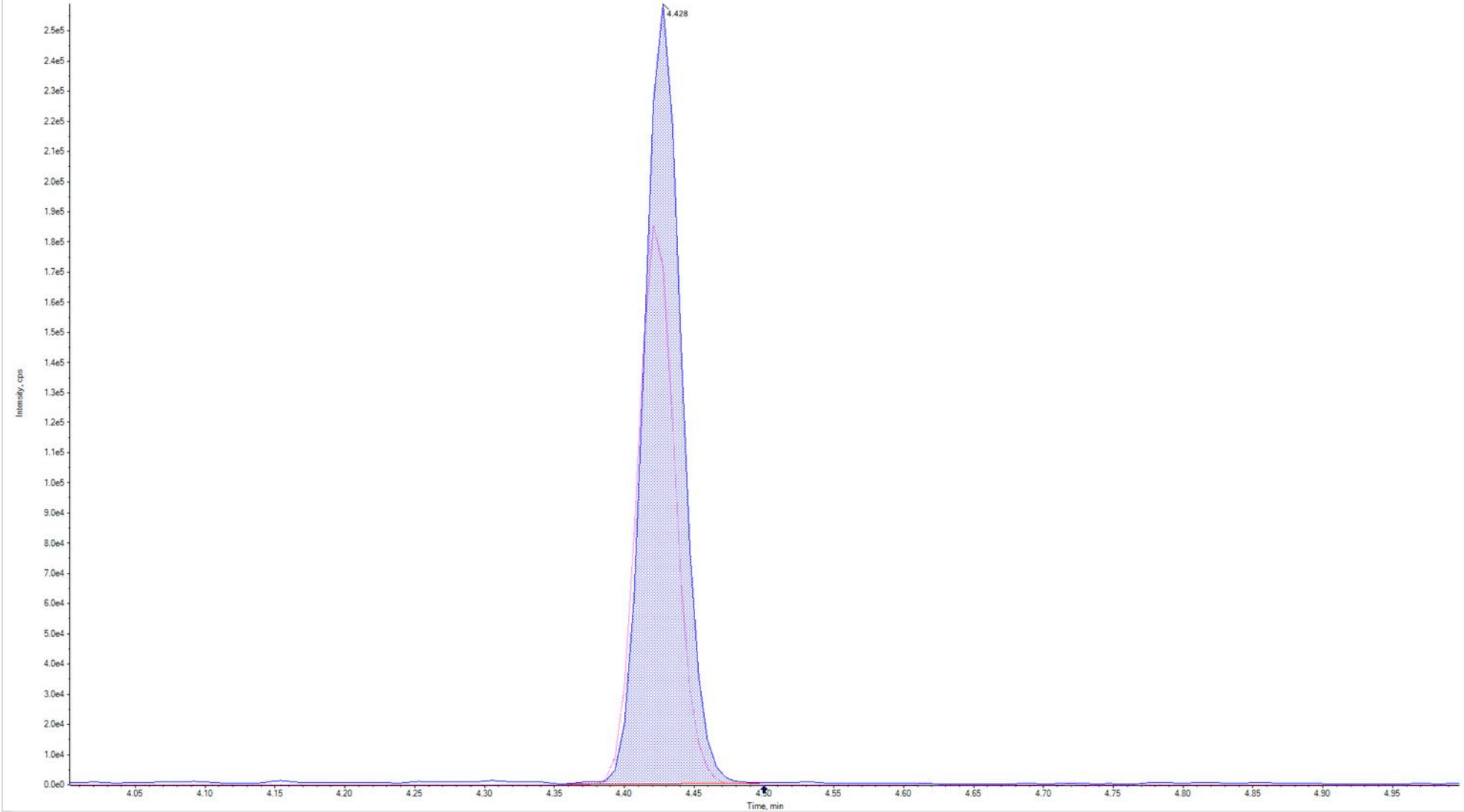
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFDA_2
Sample: WG2011107-4 S/N:944.1 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFUnA
Sample: WG2011107-4 S/N:1600.9 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
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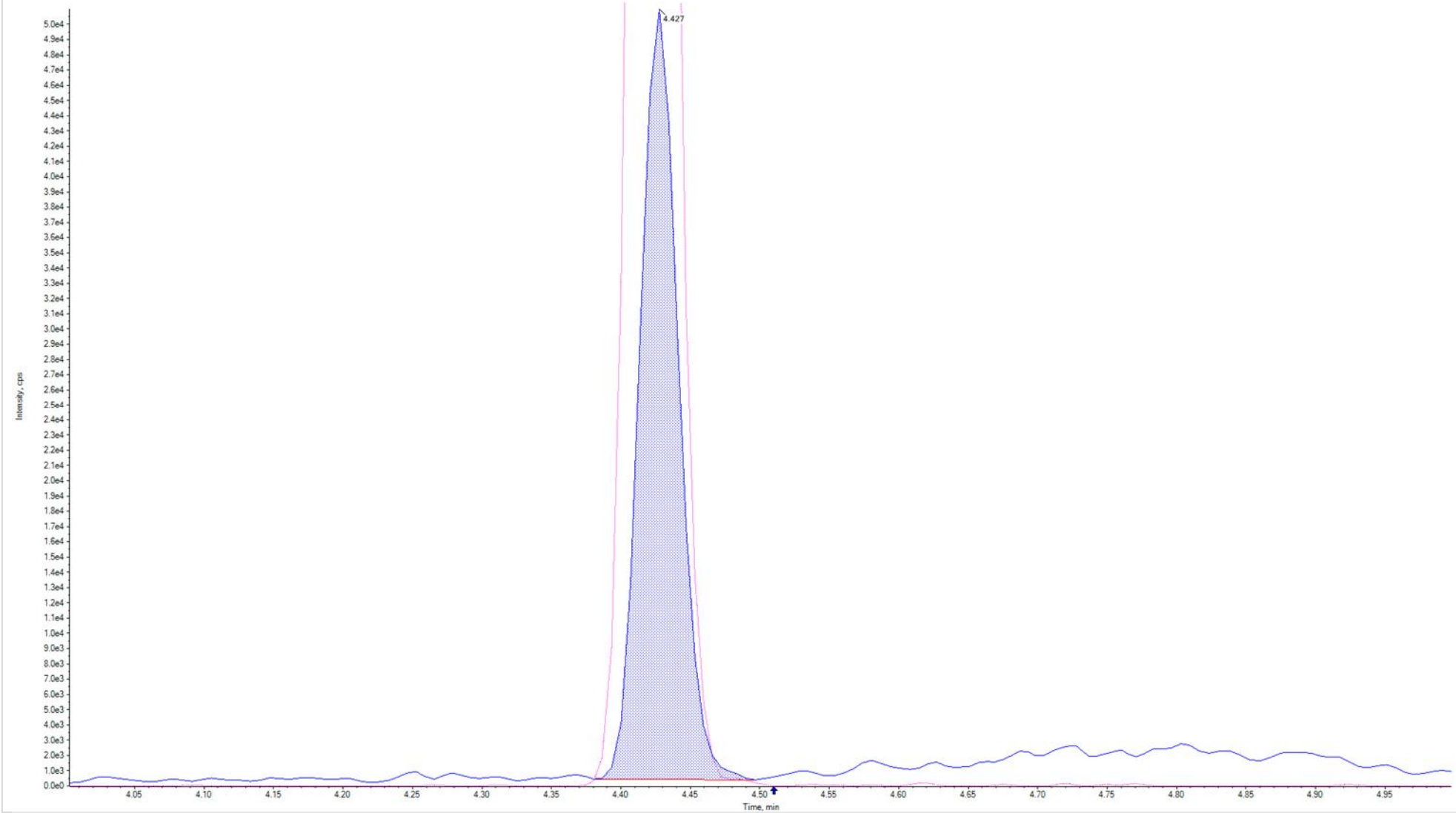
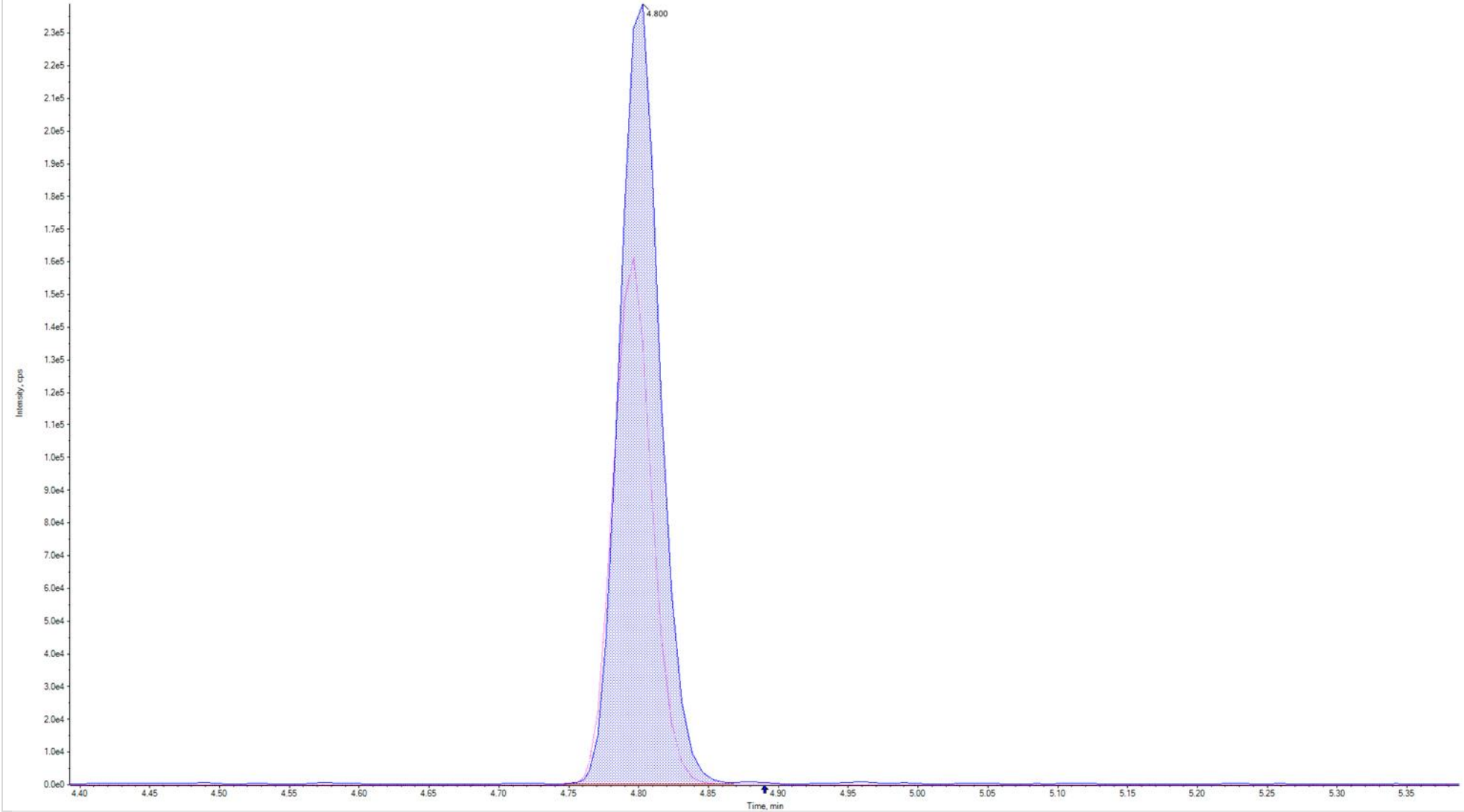
PFUnA_2
Sample: WG2011107-4 S/N:549.9 Points Across peak:19



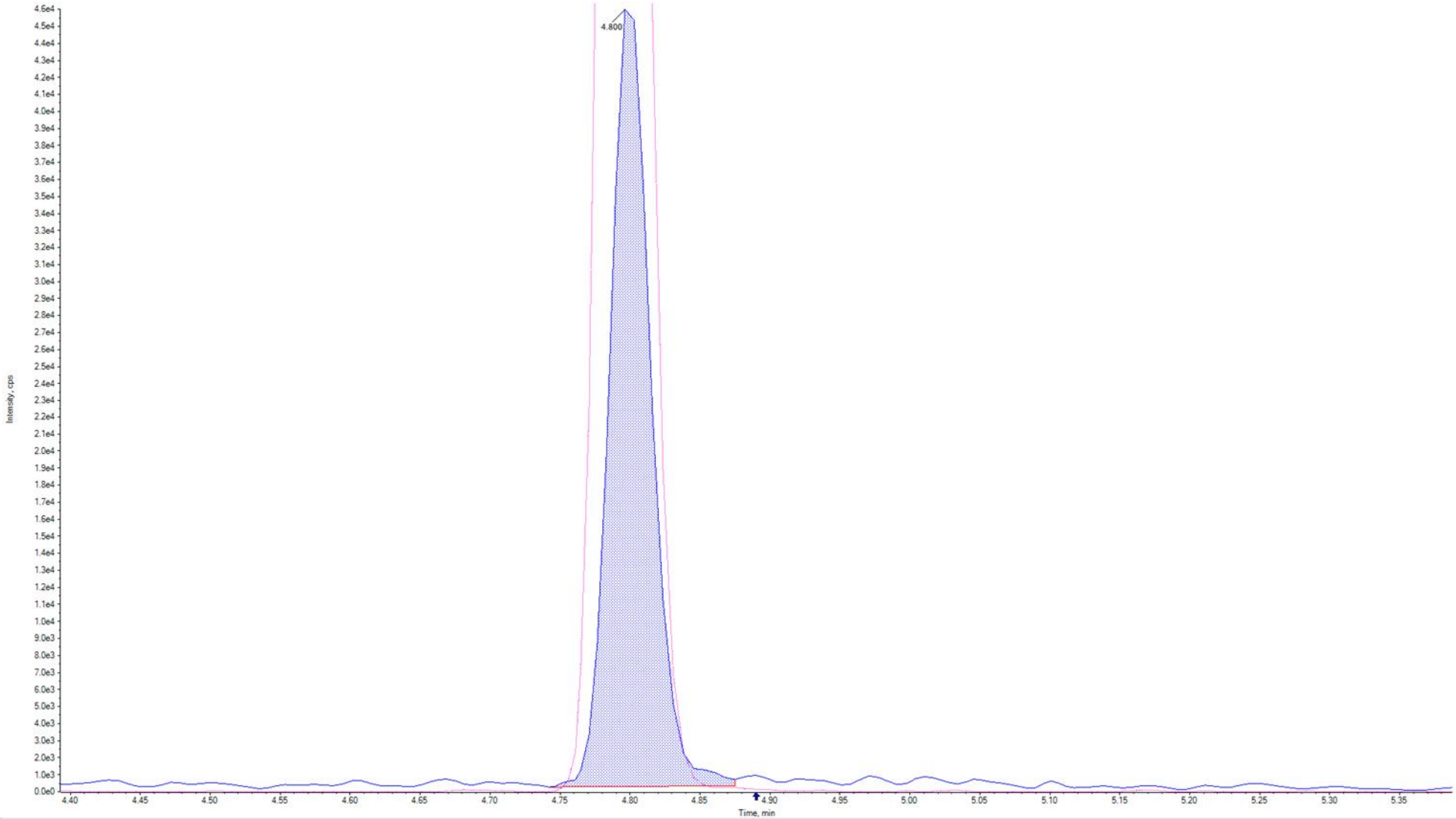
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFDoA
Sample: WG2011107-4 S/N:2106.1 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFDoA_2
Sample: WG2011107-4 S/N:972.6 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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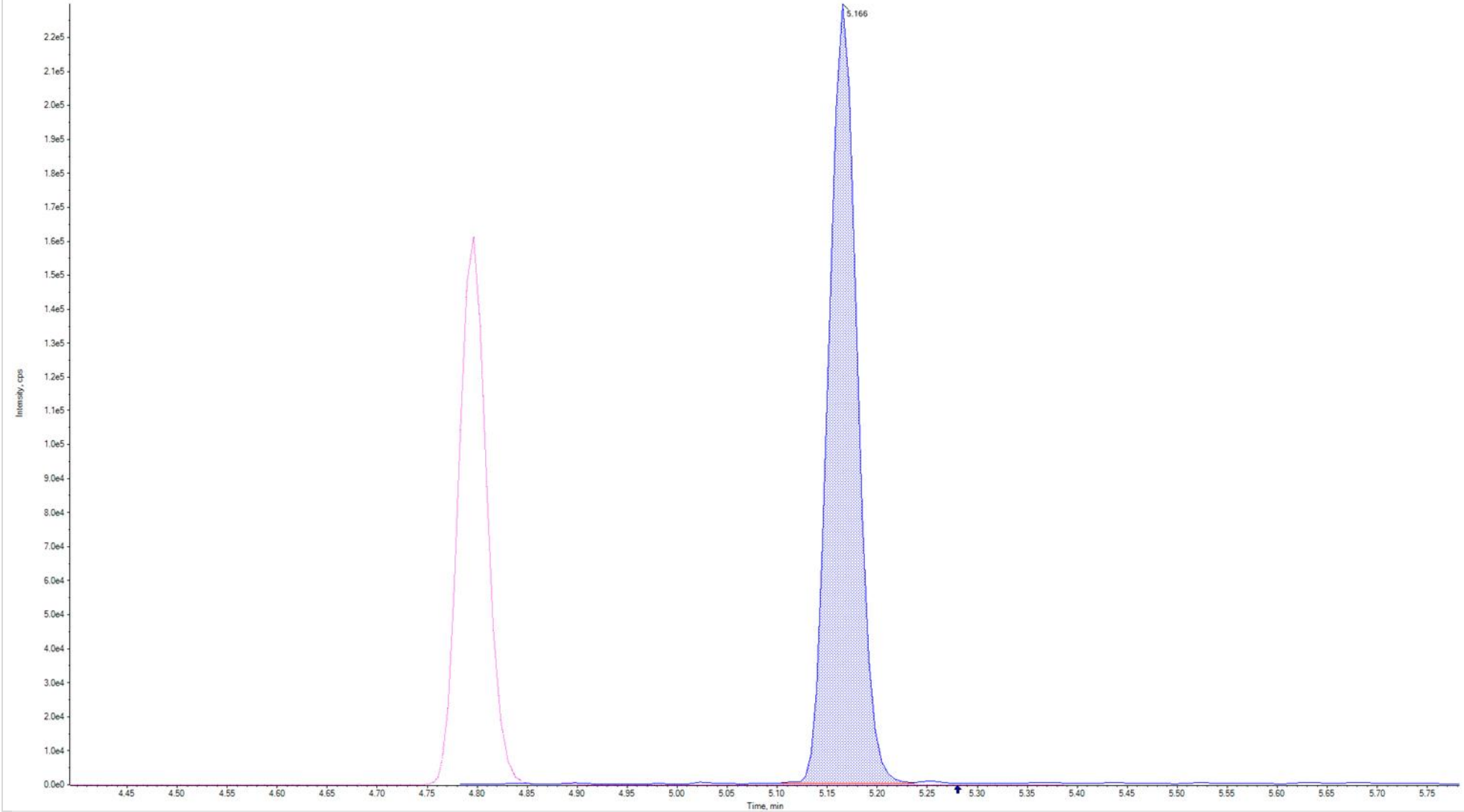
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFTrDA
Sample: WG2011107-4 S/N:1039.8 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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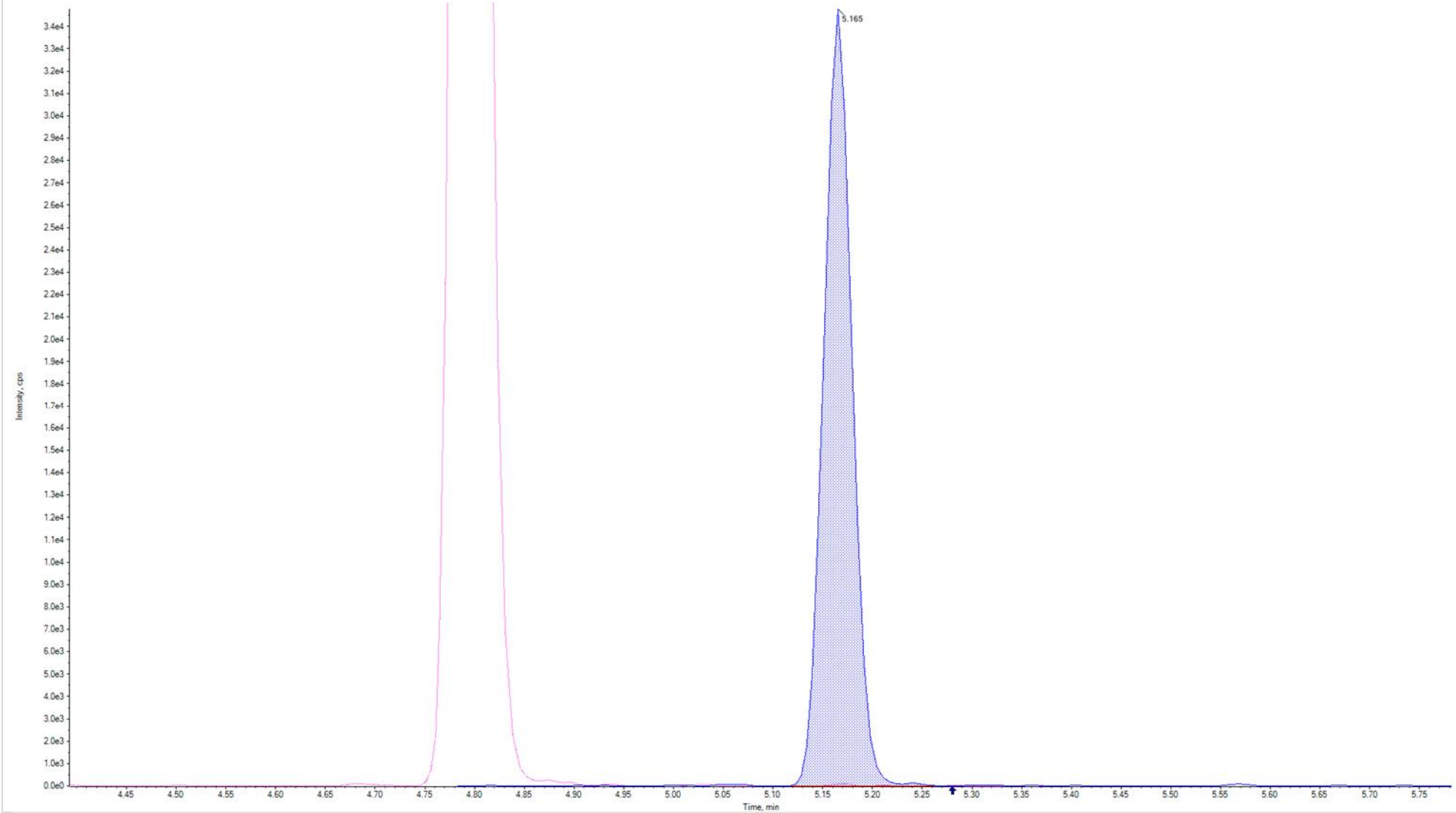
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFTrDA_2
Sample: WG2011107-4 S/N:1394.6 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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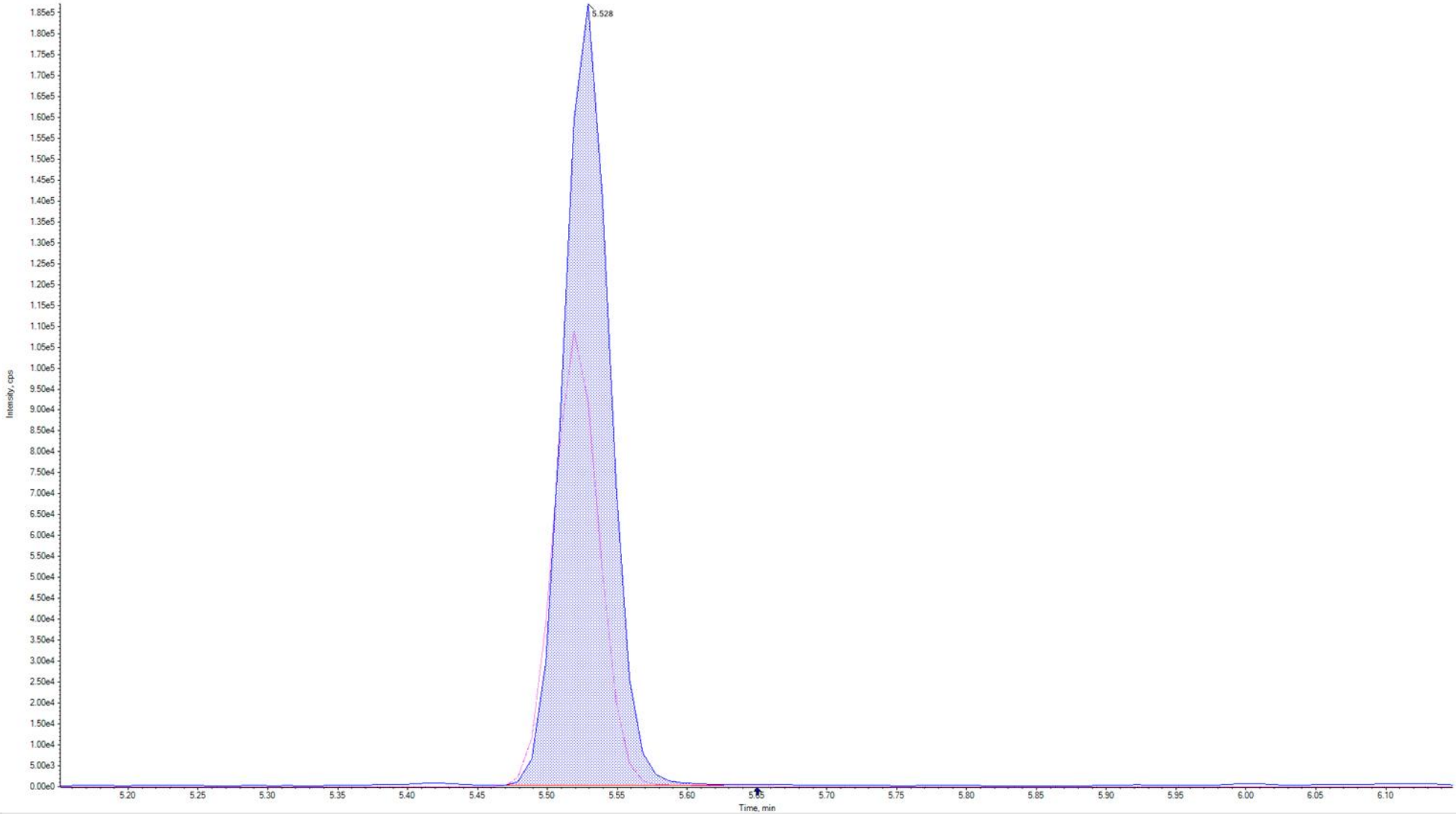
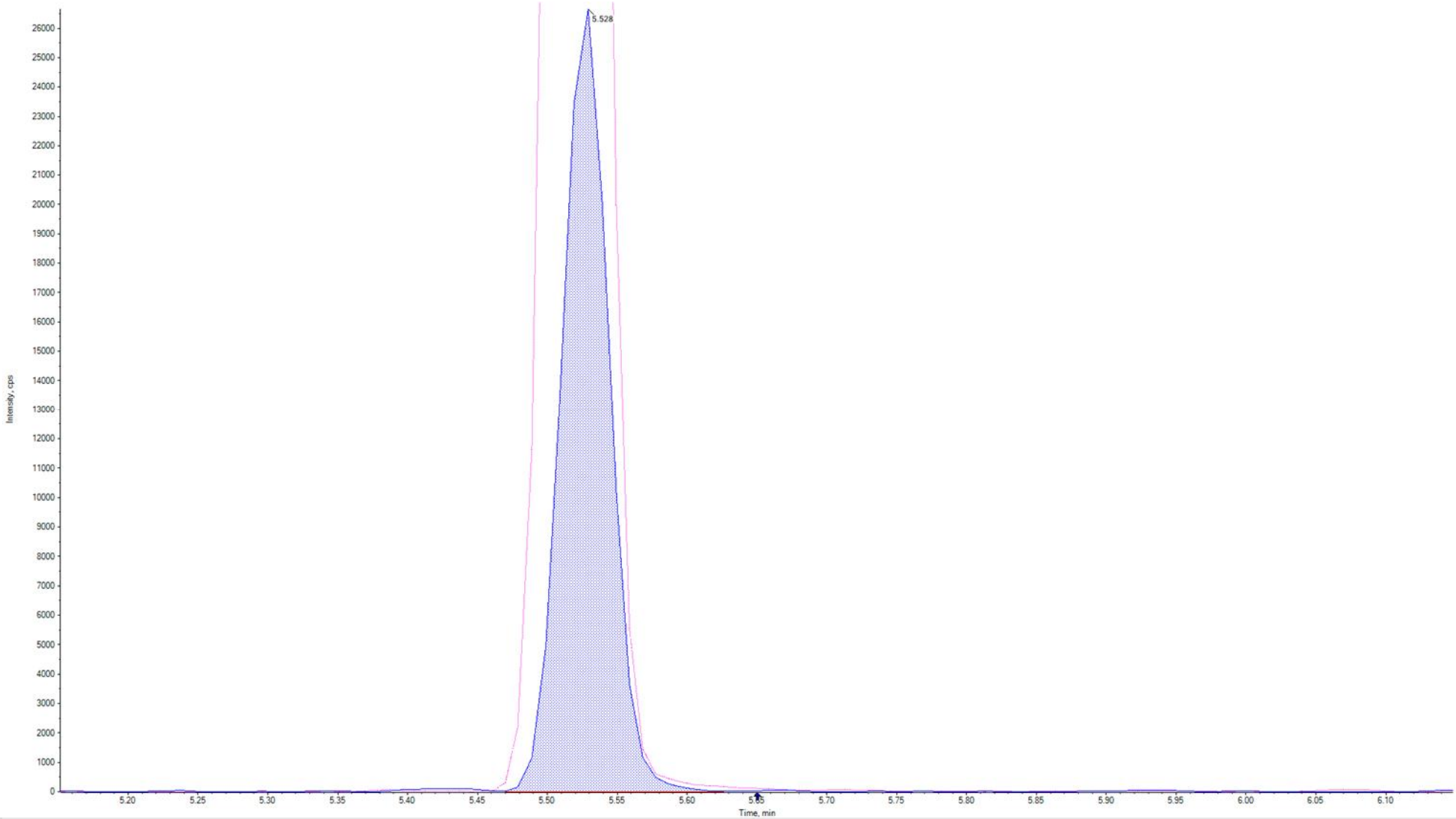
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFTeDA
Sample: WG2011107-4 S/N:1026.6 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFTeDA_2
Sample: WG2011107-4 S/N:1669.9 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 7:33:21 AM
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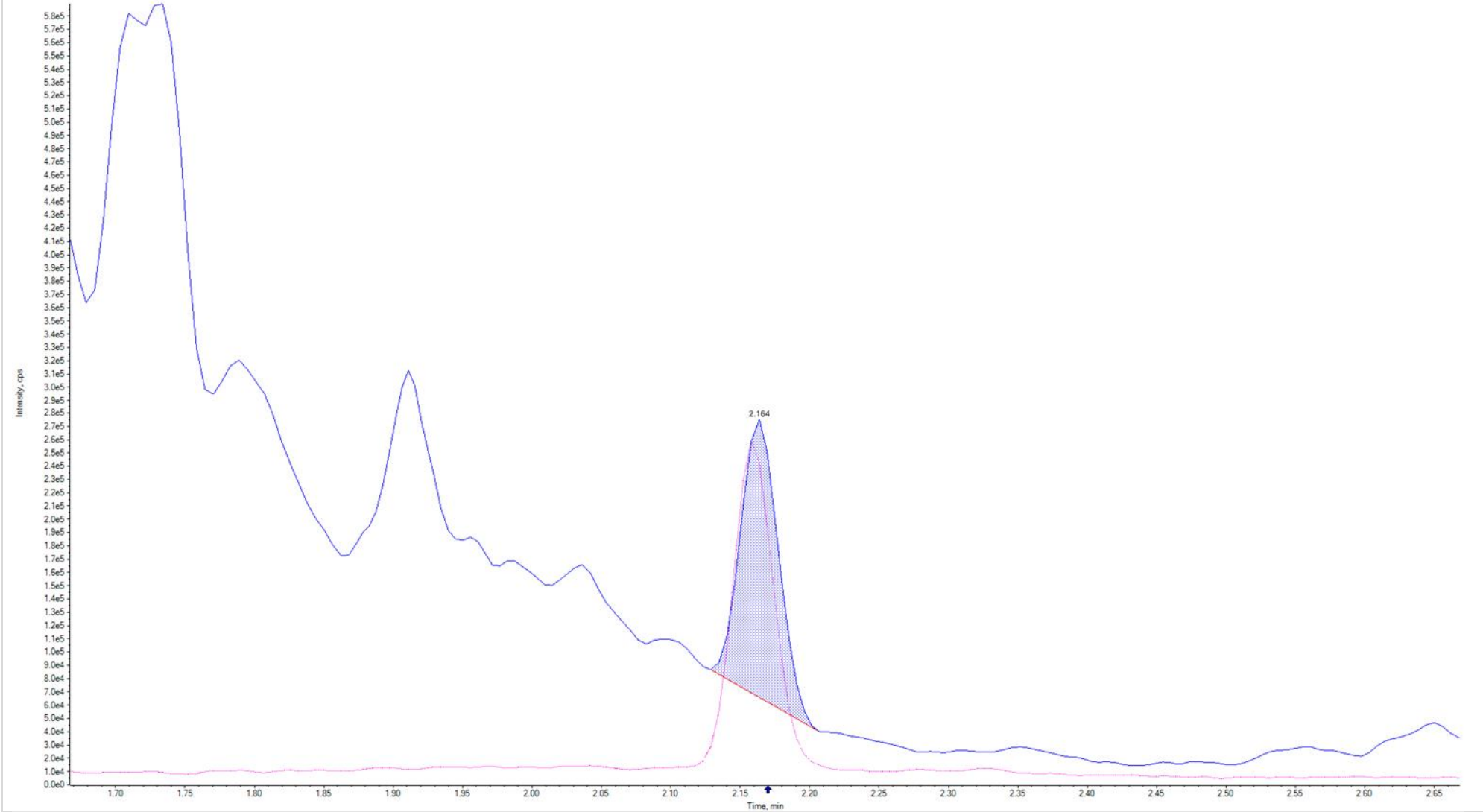
PFBS
Sample: WG2011107-4 S/N:131.6 Points Across peak:15



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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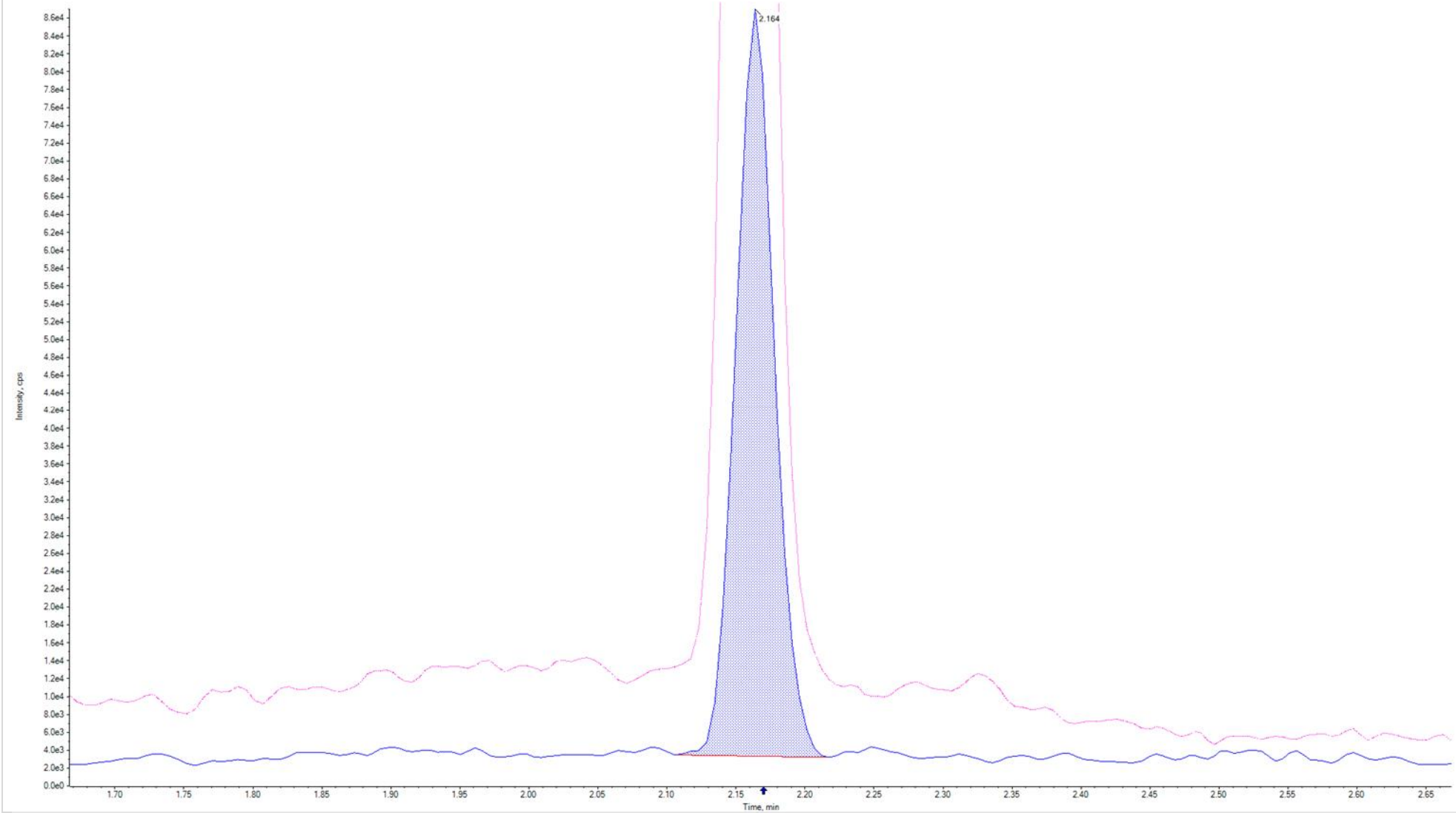
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFBS_2
Sample: WG2011107-4 S/N:332.4 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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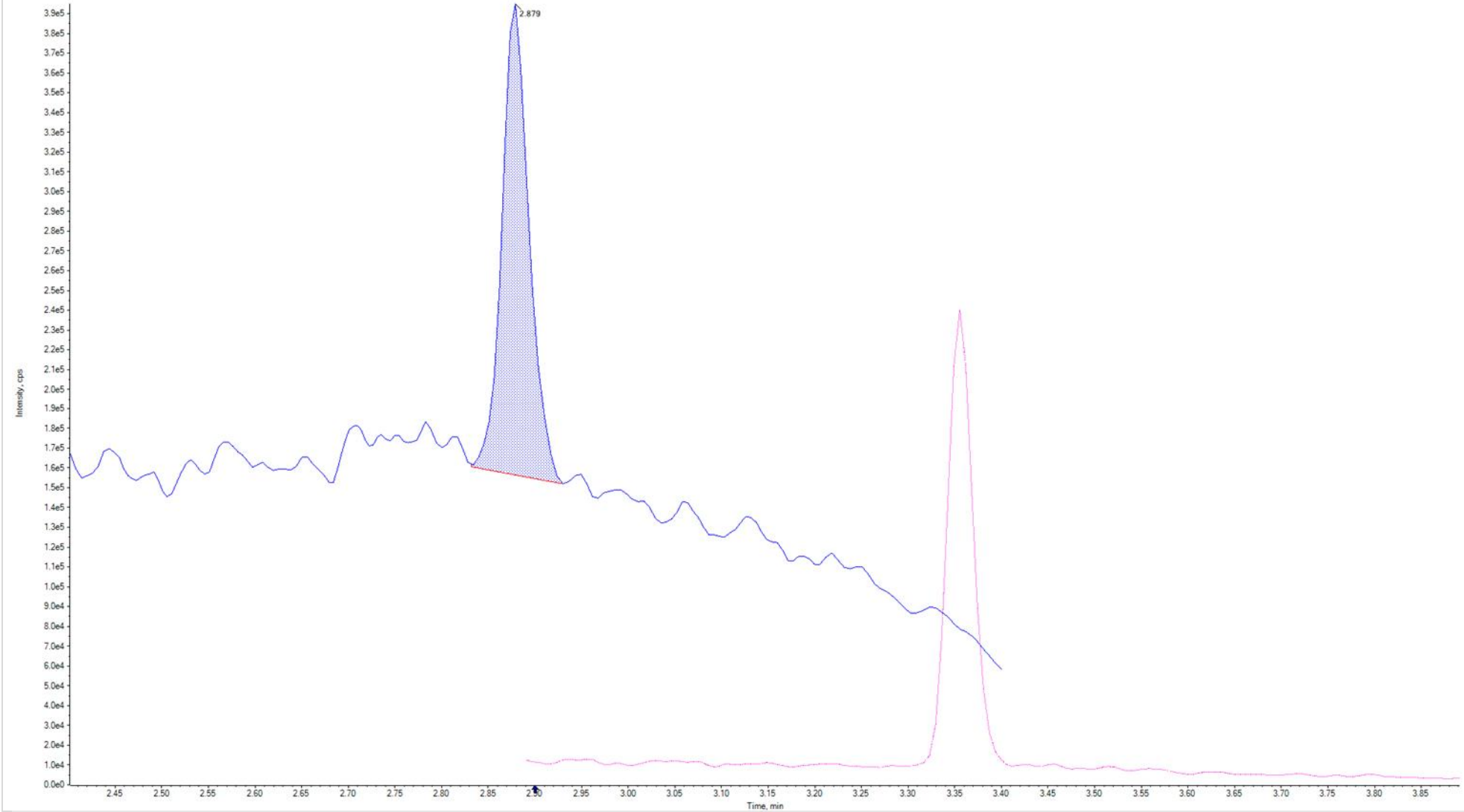
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFPeS
Sample: WG2011107-4 S/N:120.0 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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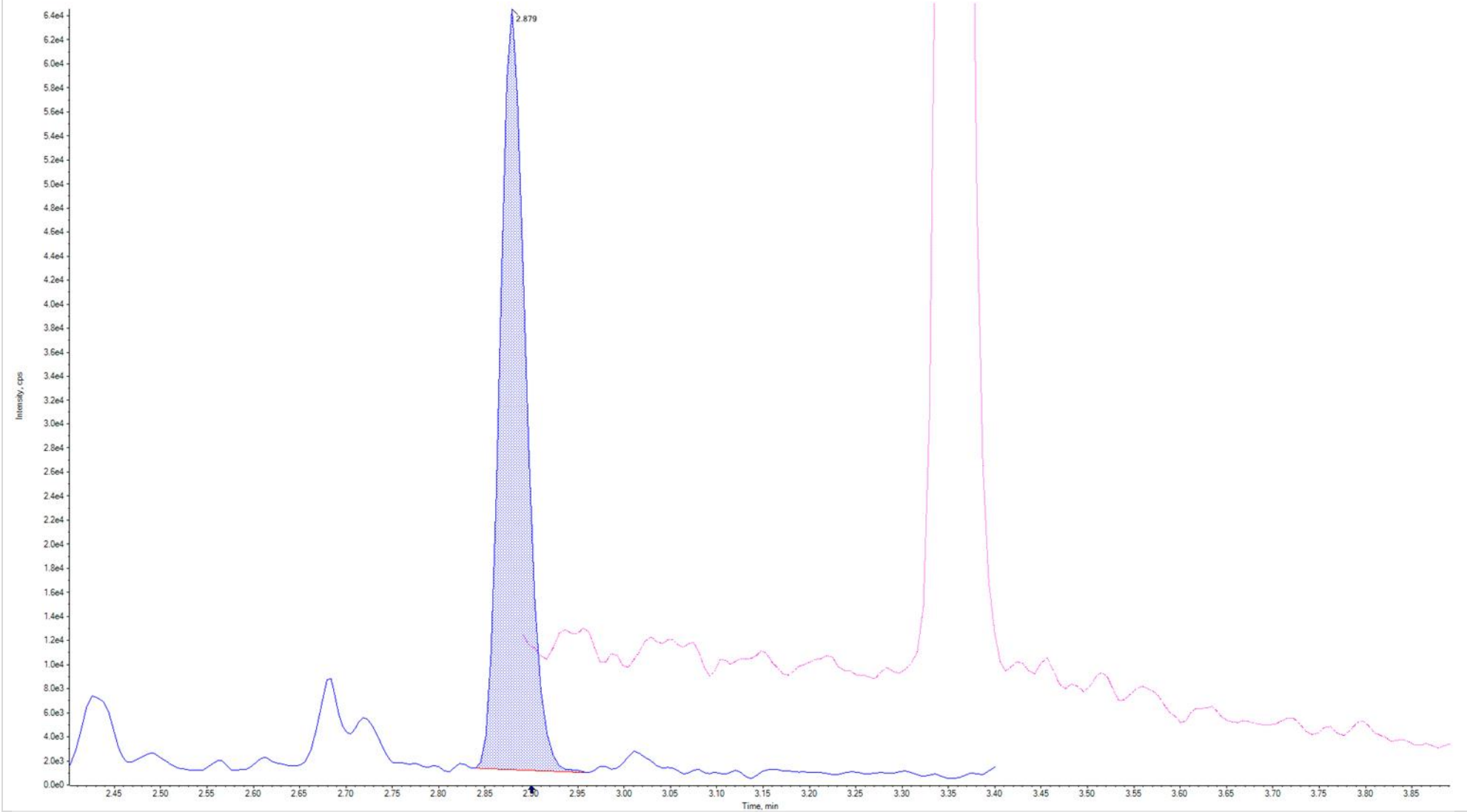
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFPeS_2
Sample: WG2011107-4 S/N:358.1 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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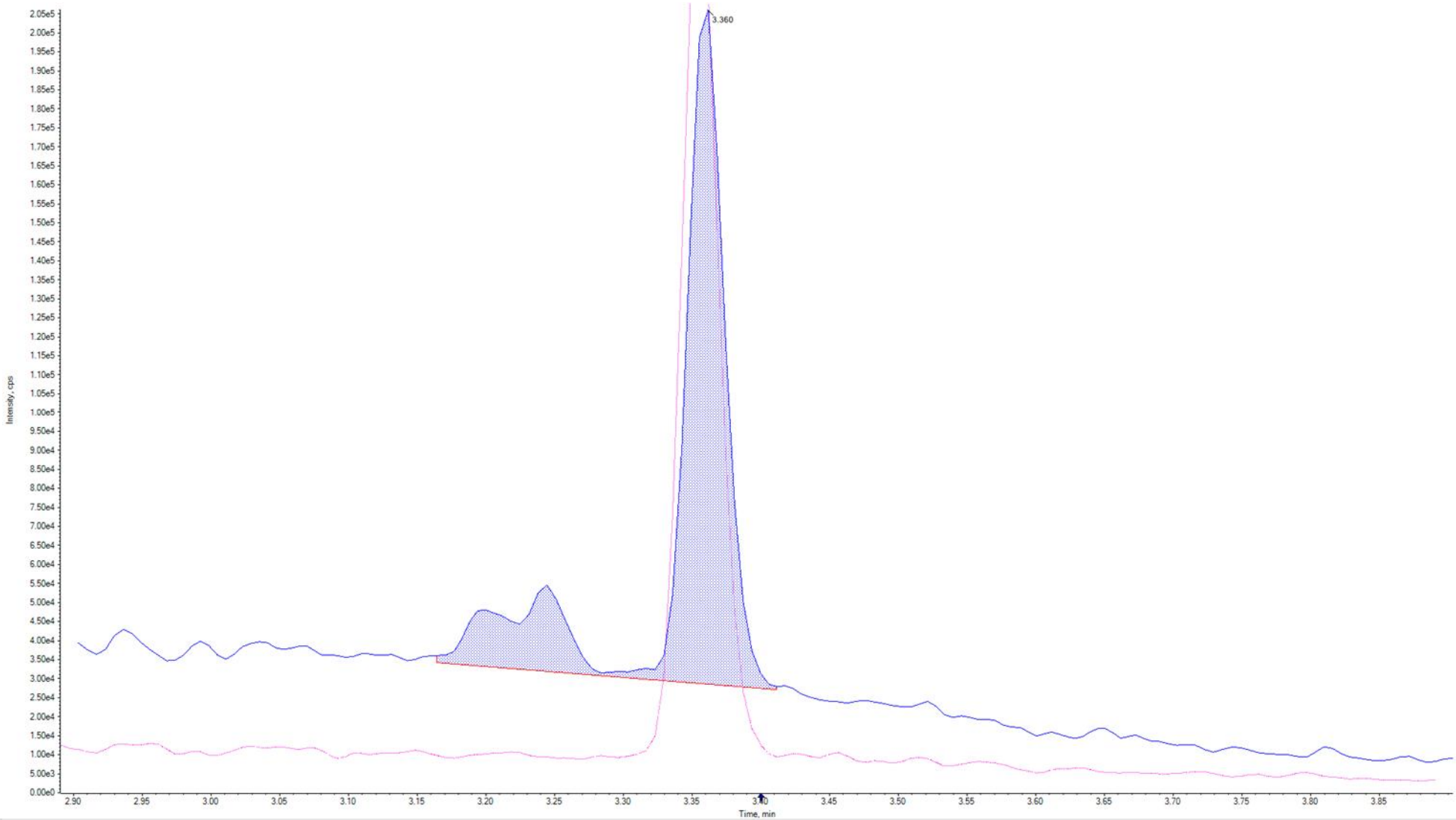
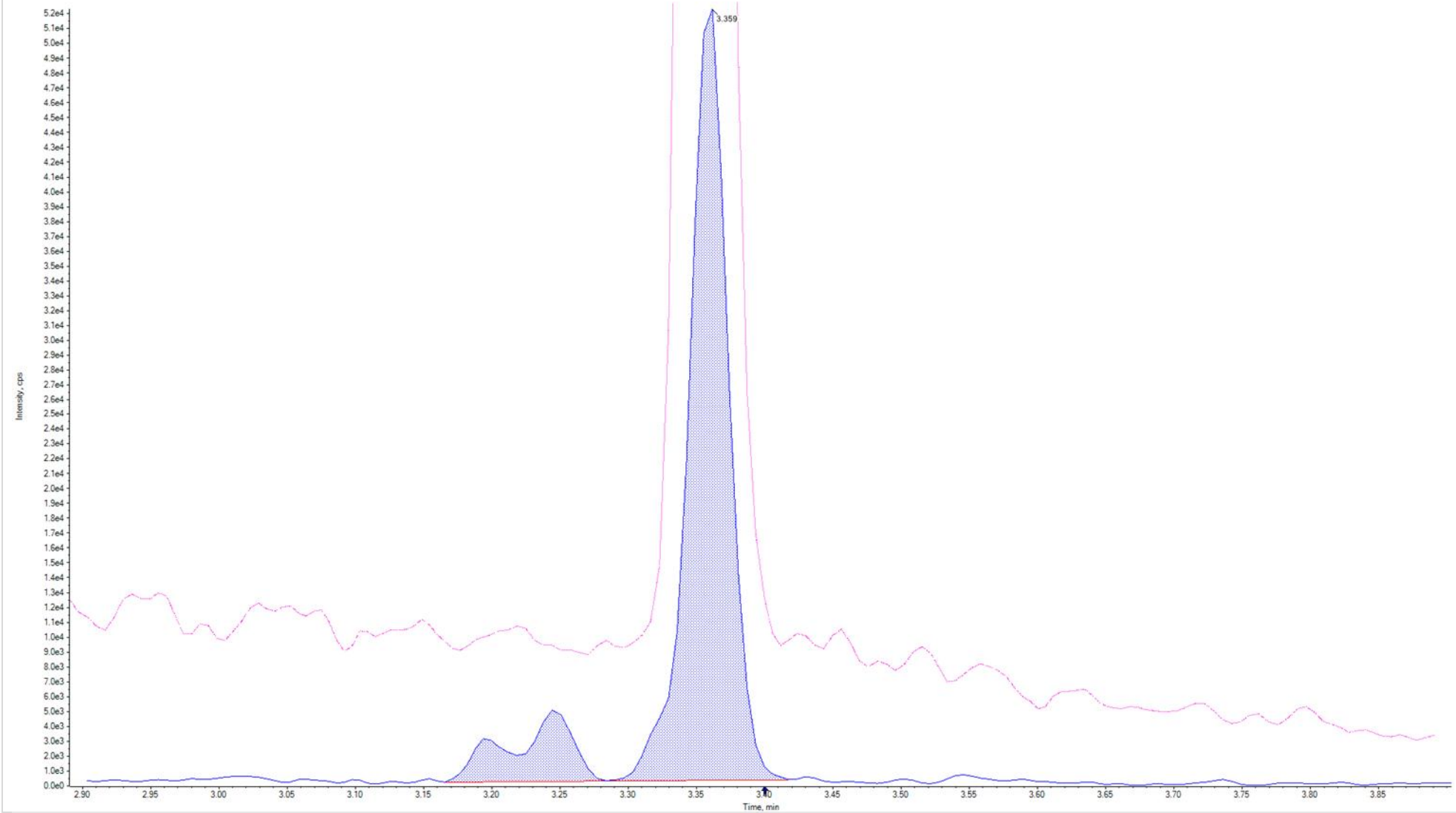
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFHxS
Sample: WG2011107-4 S/N:112.3 Points Across peak:41



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFHxS_2
Sample: WG2011107-4 S/N:312.8 Points Across peak:41



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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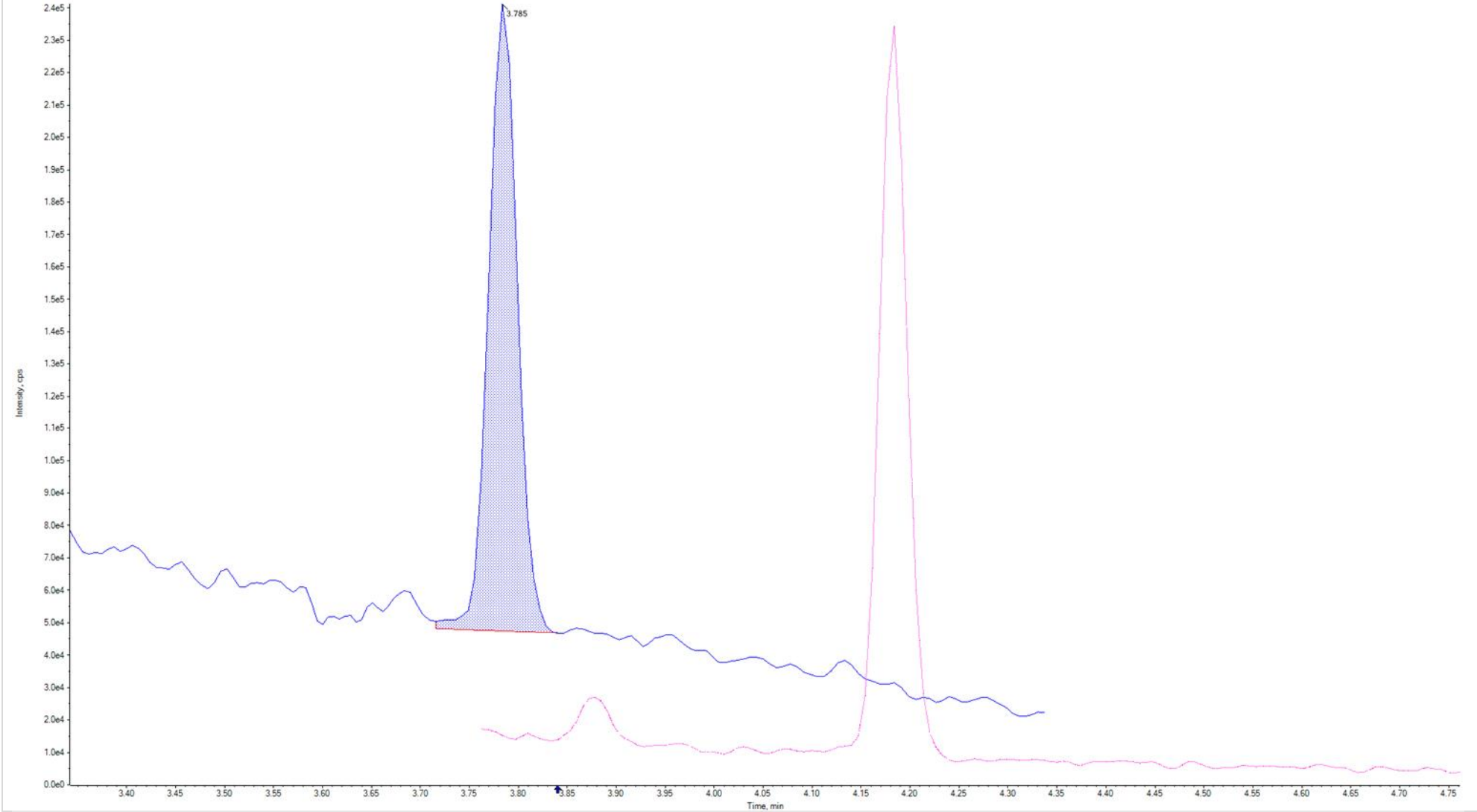
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFHpS
Sample: WG2011107-4 S/N:168.0 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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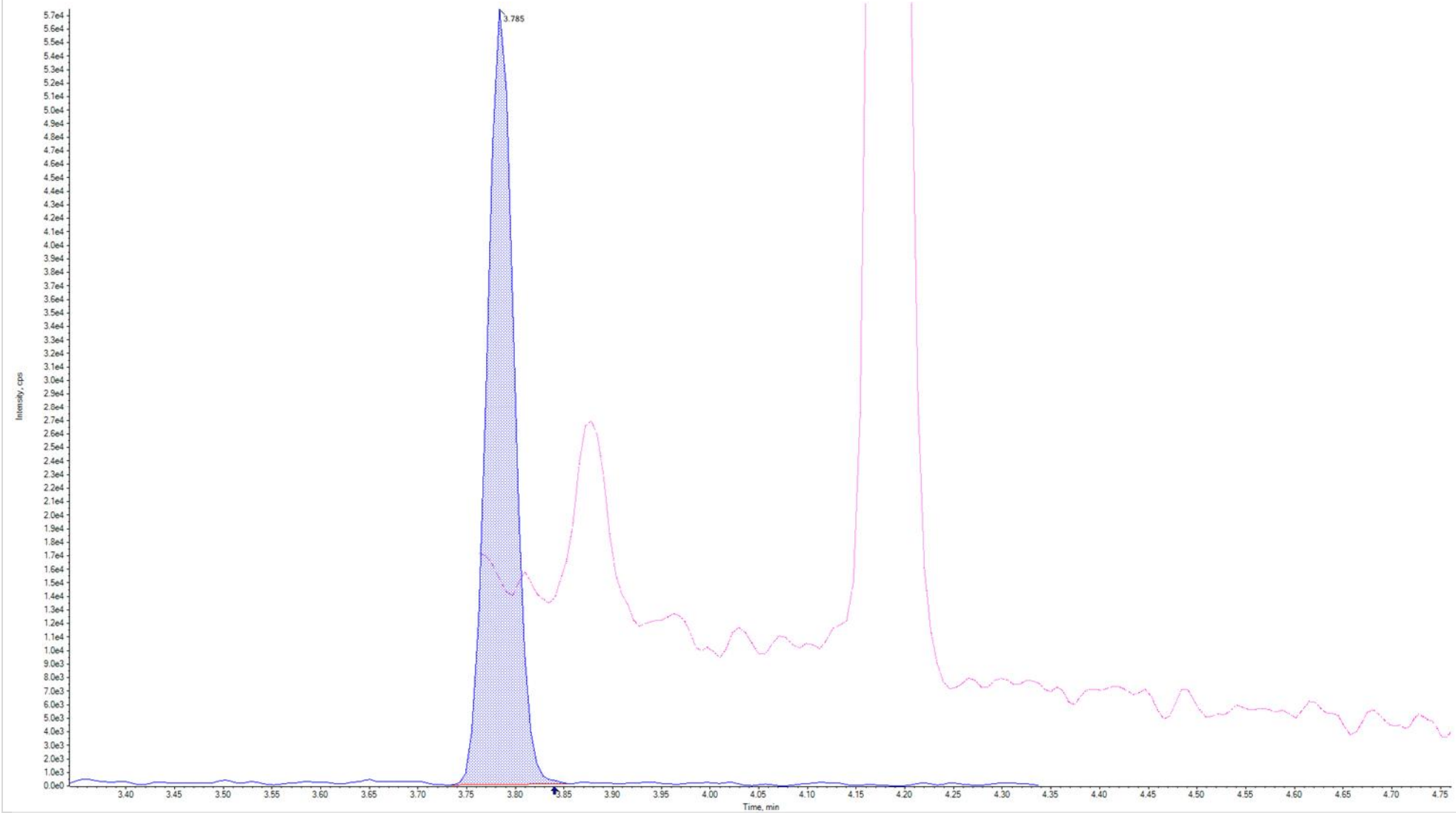
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFHpS_2
Sample: WG2011107-4 S/N:1150.2 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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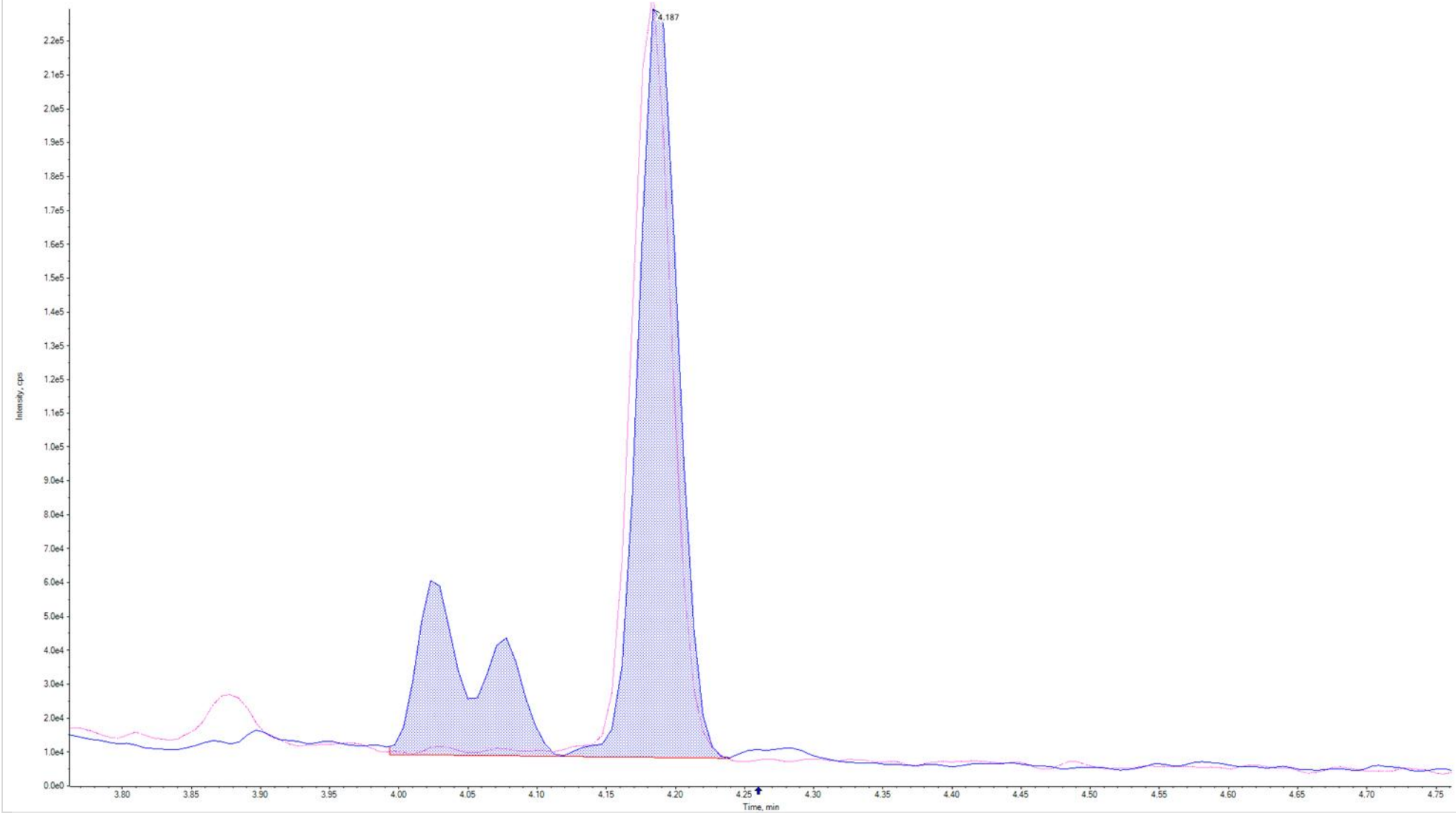
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFOS
Sample: WG2011107-4 S/N:121.7 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 7:33:21 AM
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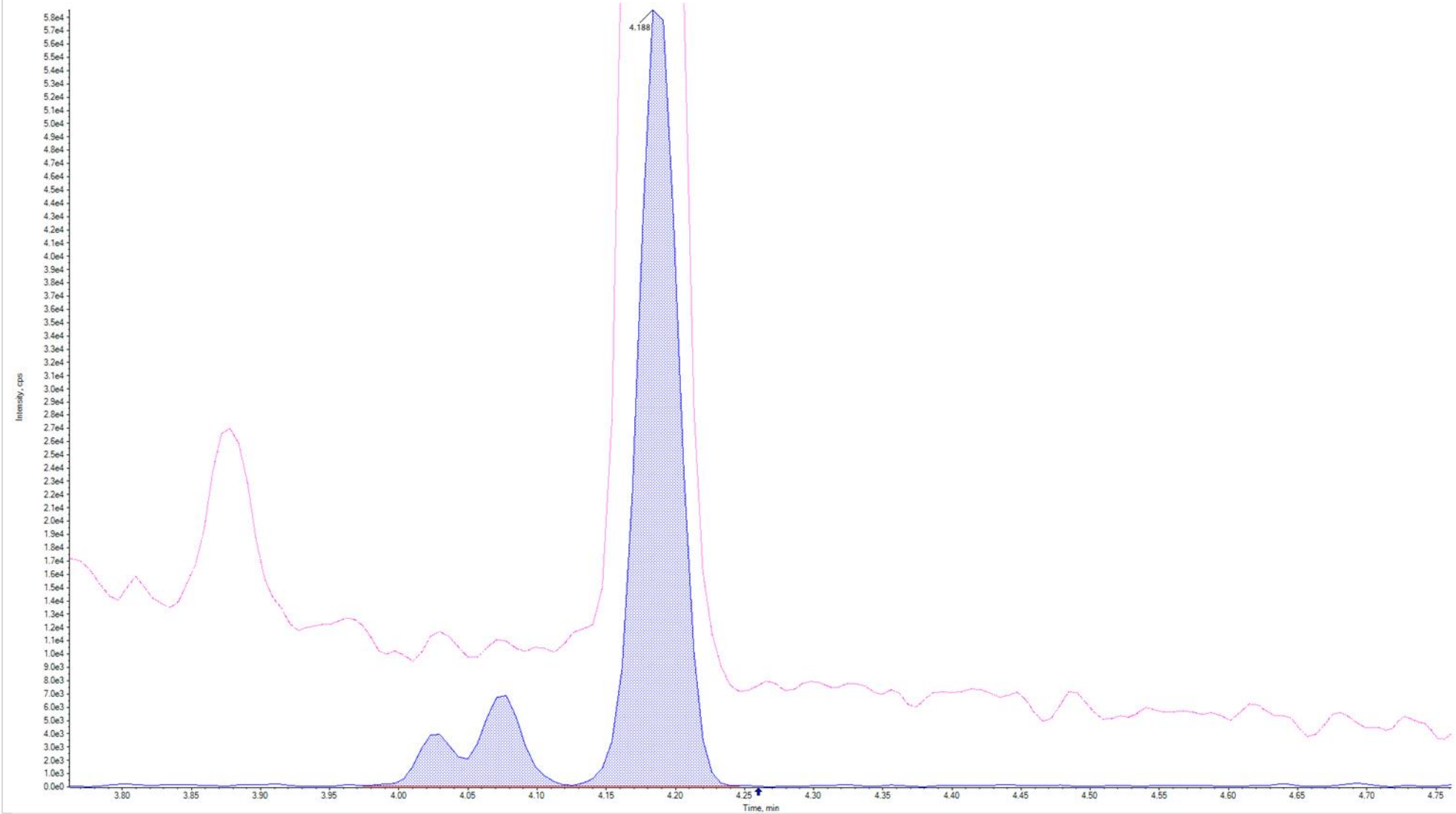
PFOS_2
Sample: WG2011107-4 S/N:510.0 Points Across peak:43



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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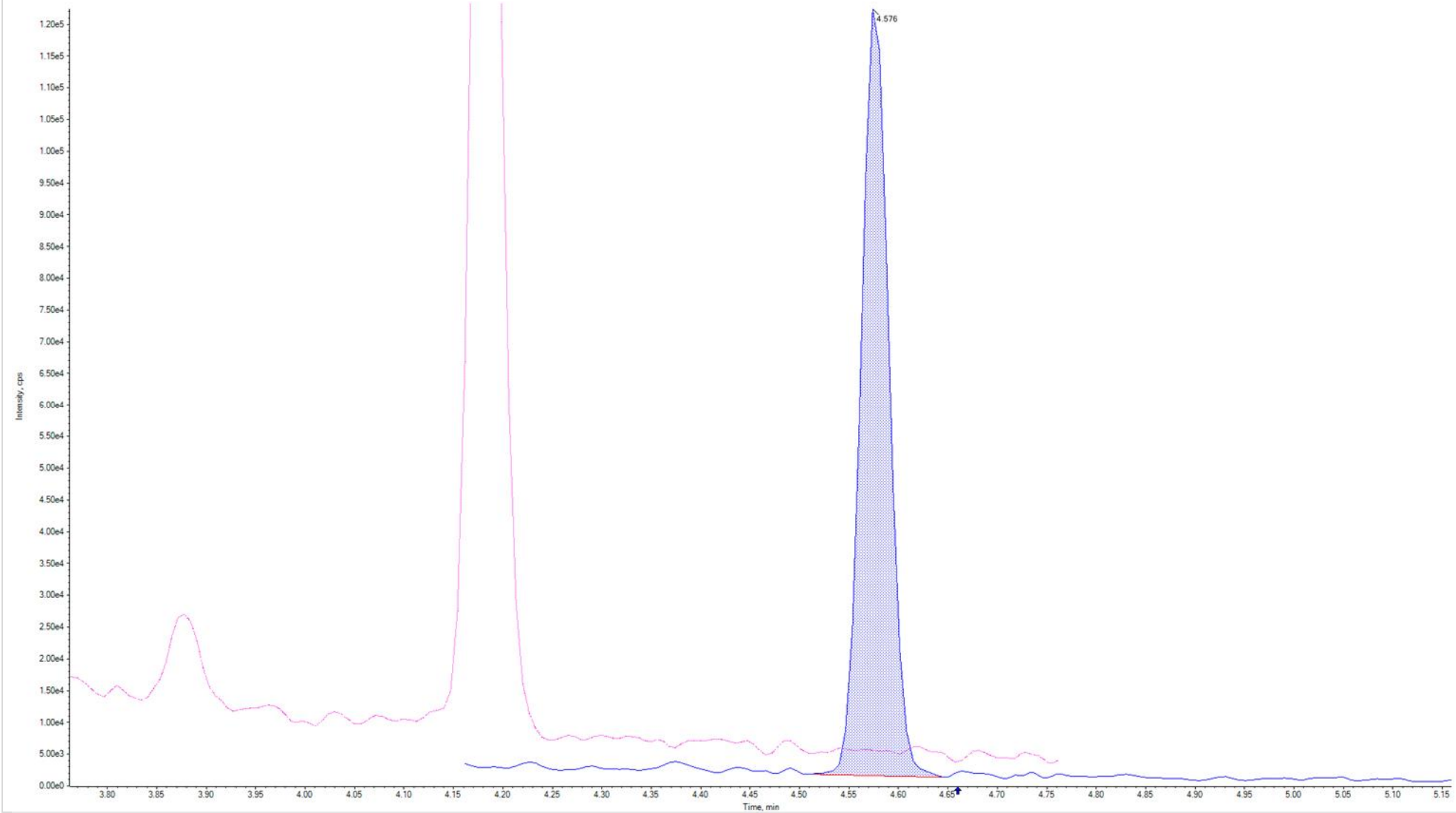
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFNS
Sample: WG2011107-4 S/N:652.8 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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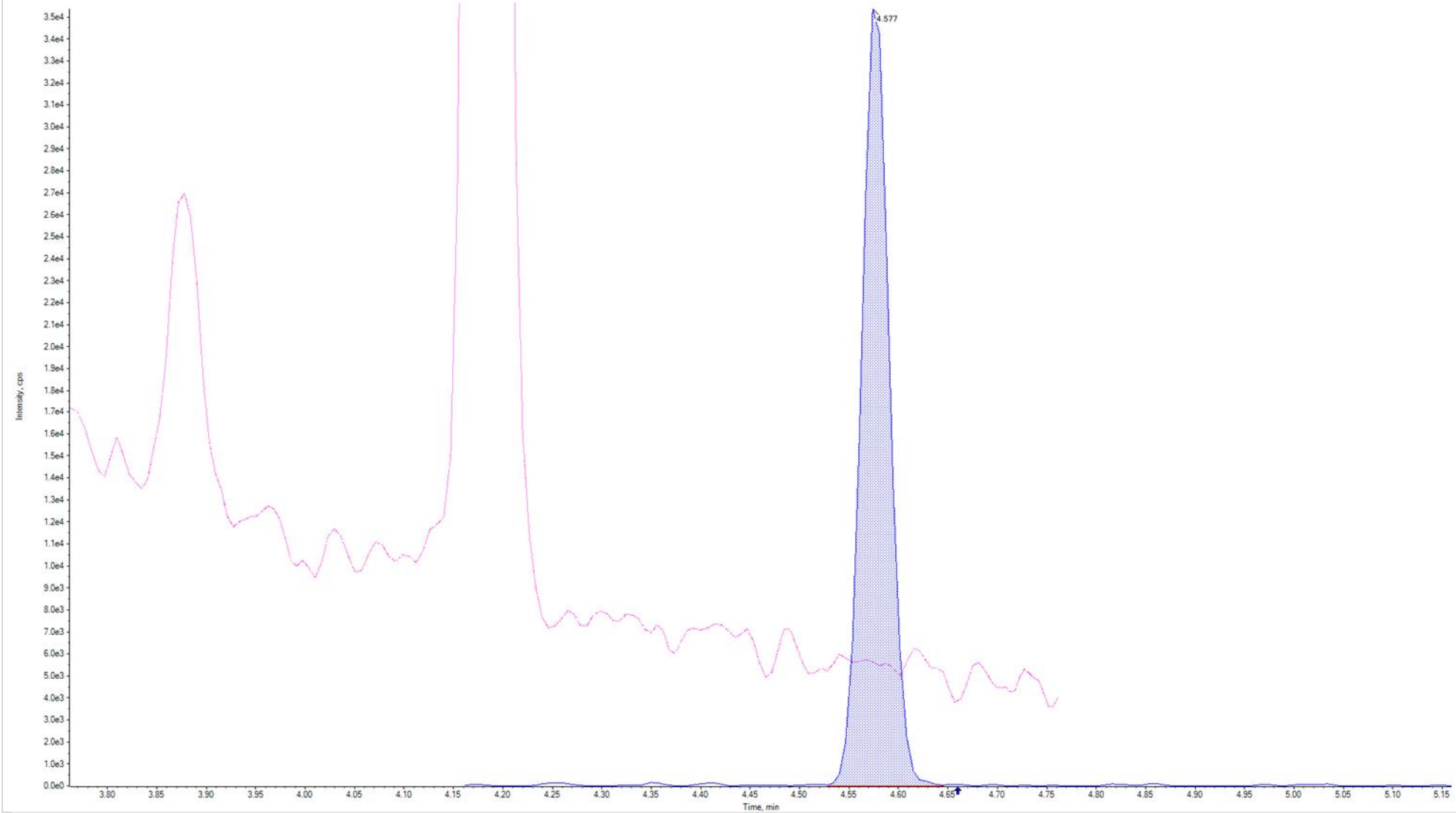
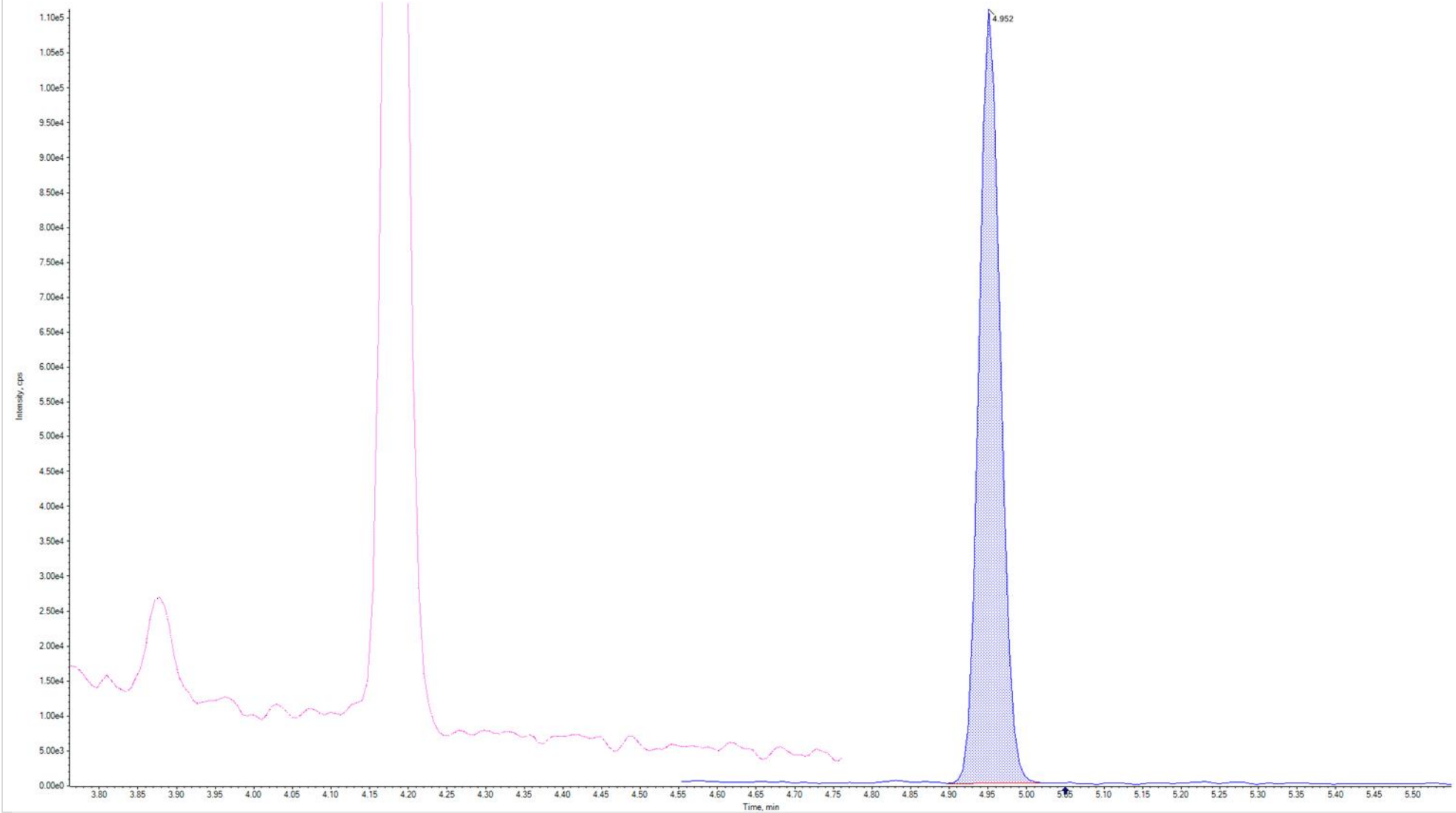
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFNS_2
Sample: WG2011107-4 S/N:886.1 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFDS
Sample: WG2011107-4 S/N:1065.6 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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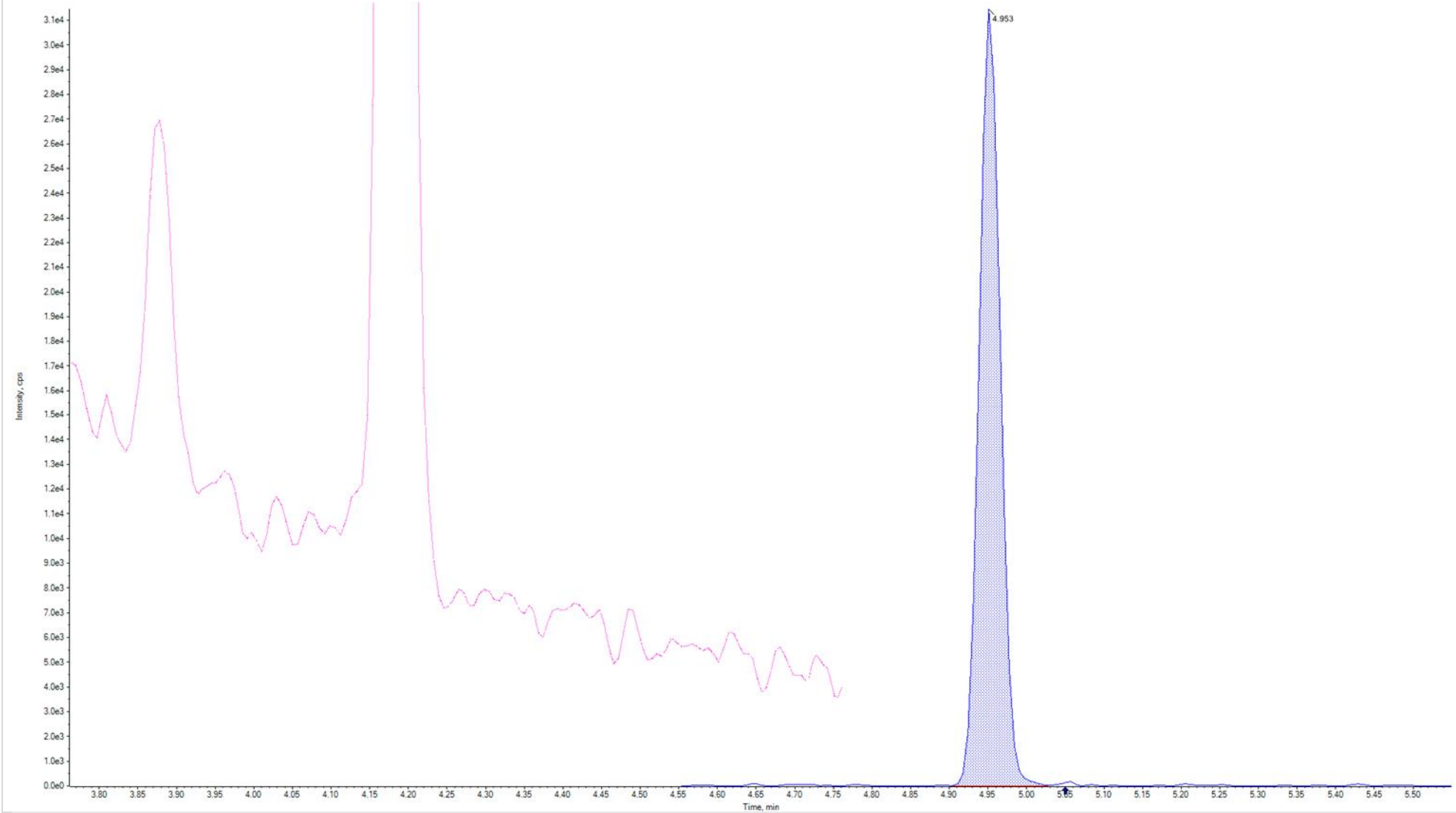
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFDS_2
Sample: WG2011107-4 S/N:1103.2 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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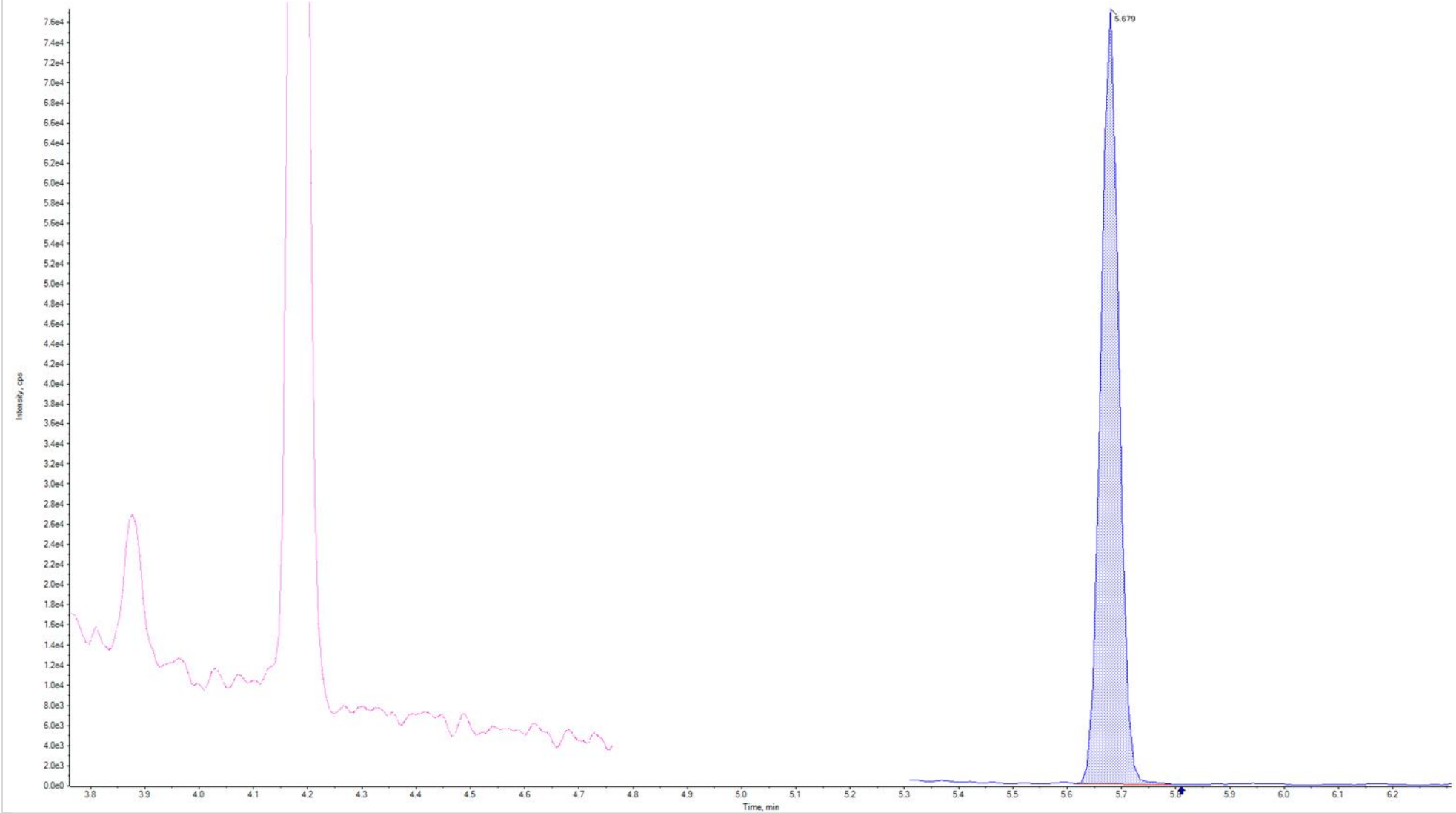
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFDoS
Sample: WG2011107-4 S/N:1041.1 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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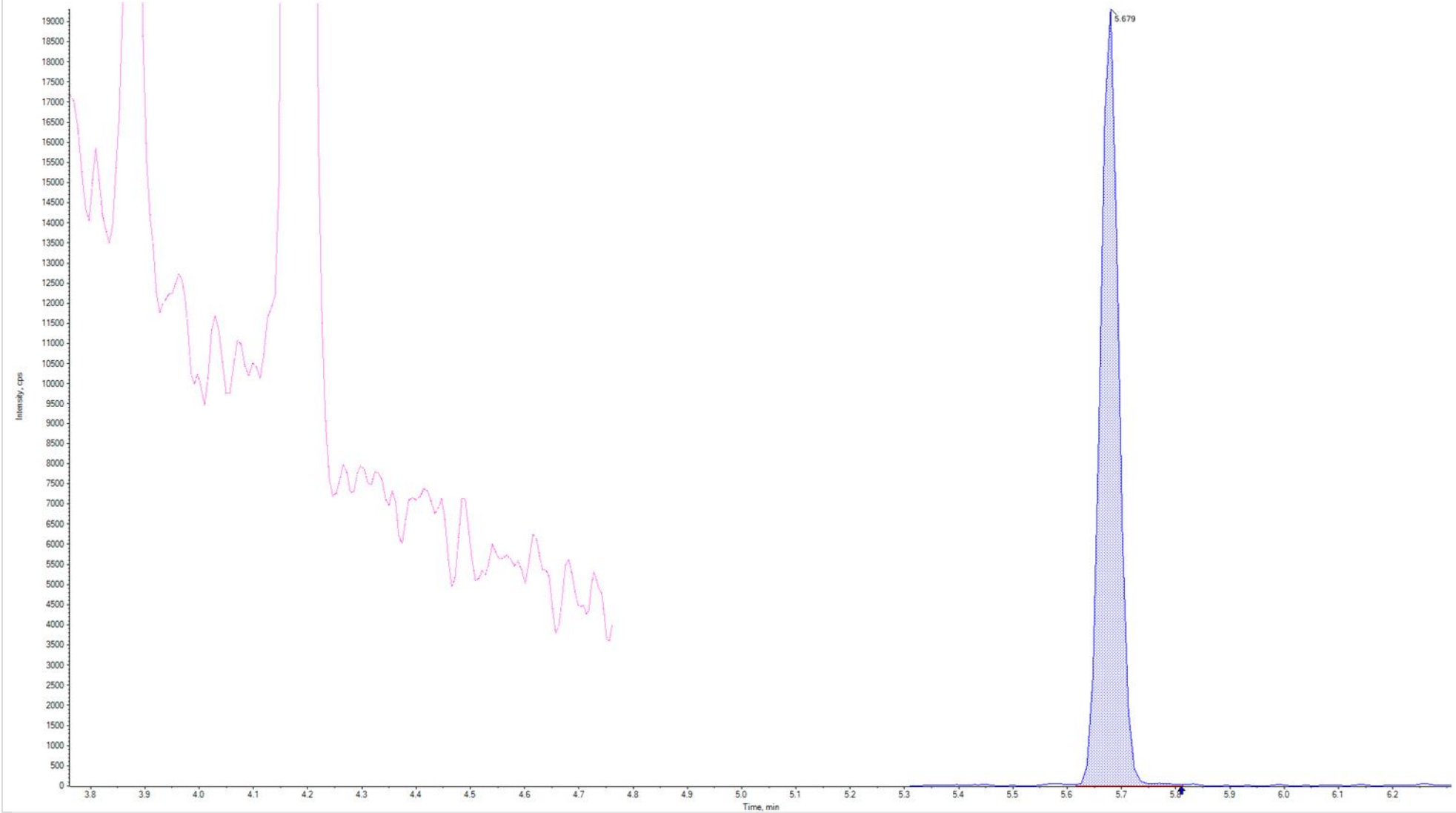
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFDoS_2
Sample: WG2011107-4 S/N:1500.7 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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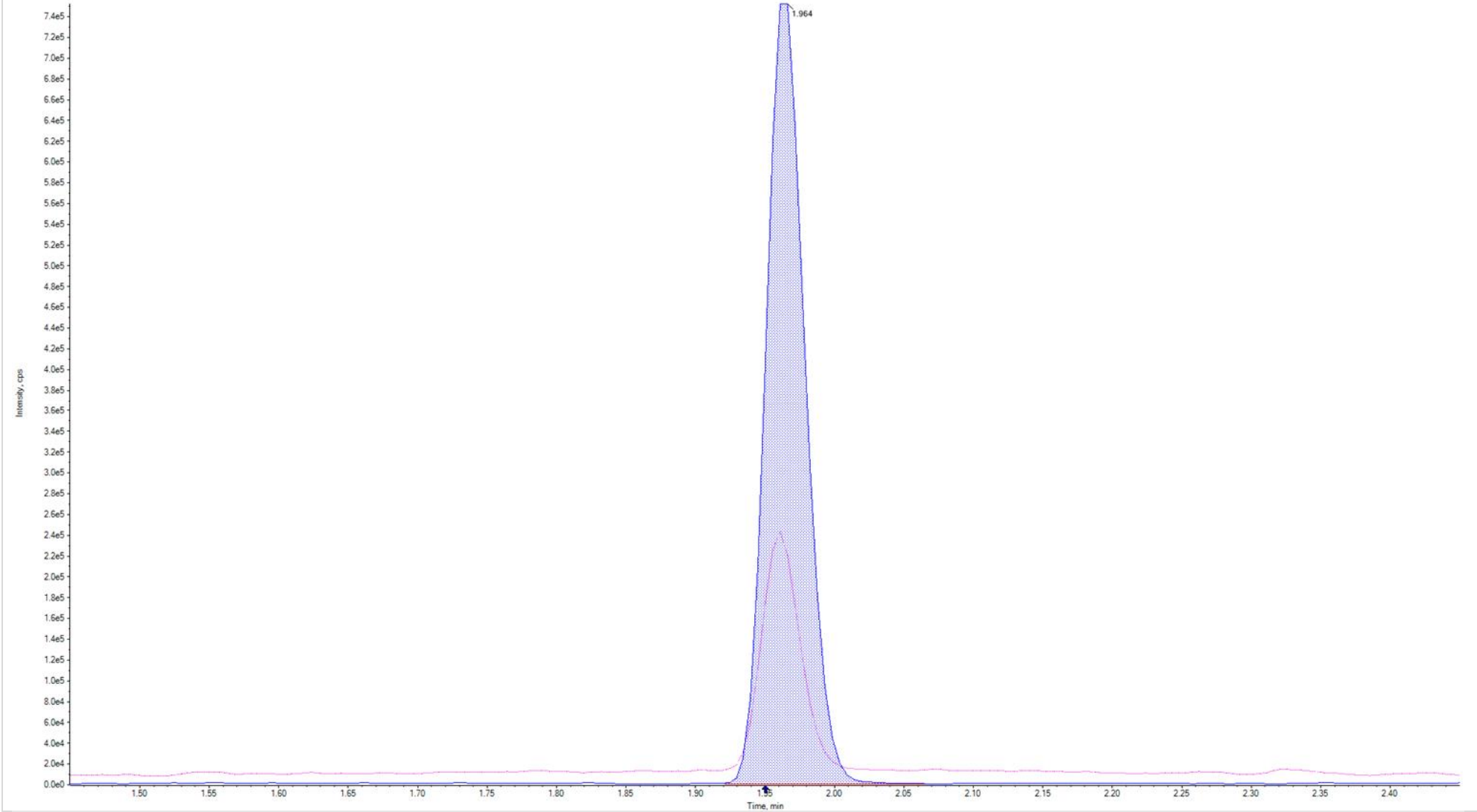
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

4:2FTS
Sample: WG2011107-4 S/N:2263.7 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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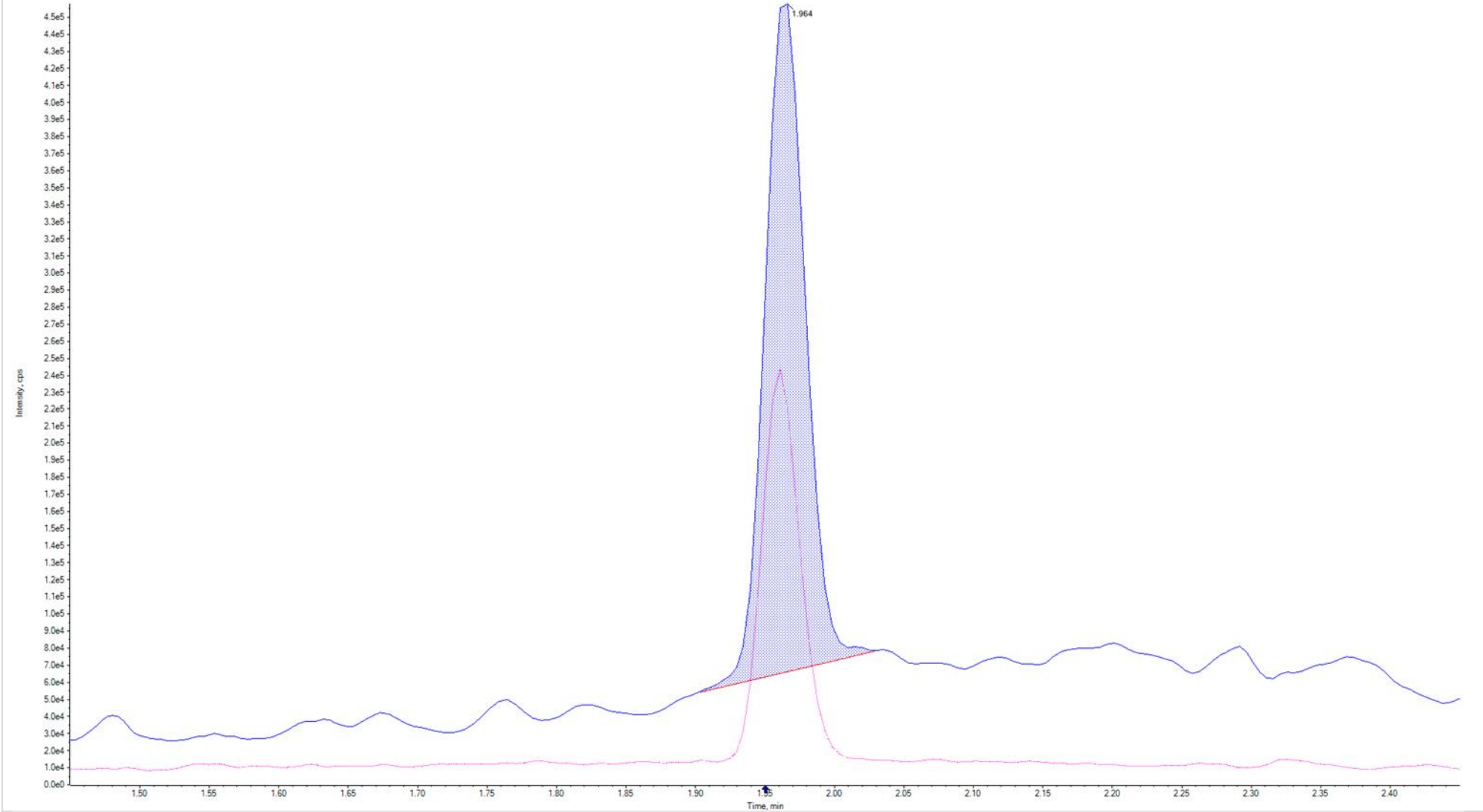
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

4:2FTS_2
Sample: WG2011107-4 S/N:274.5 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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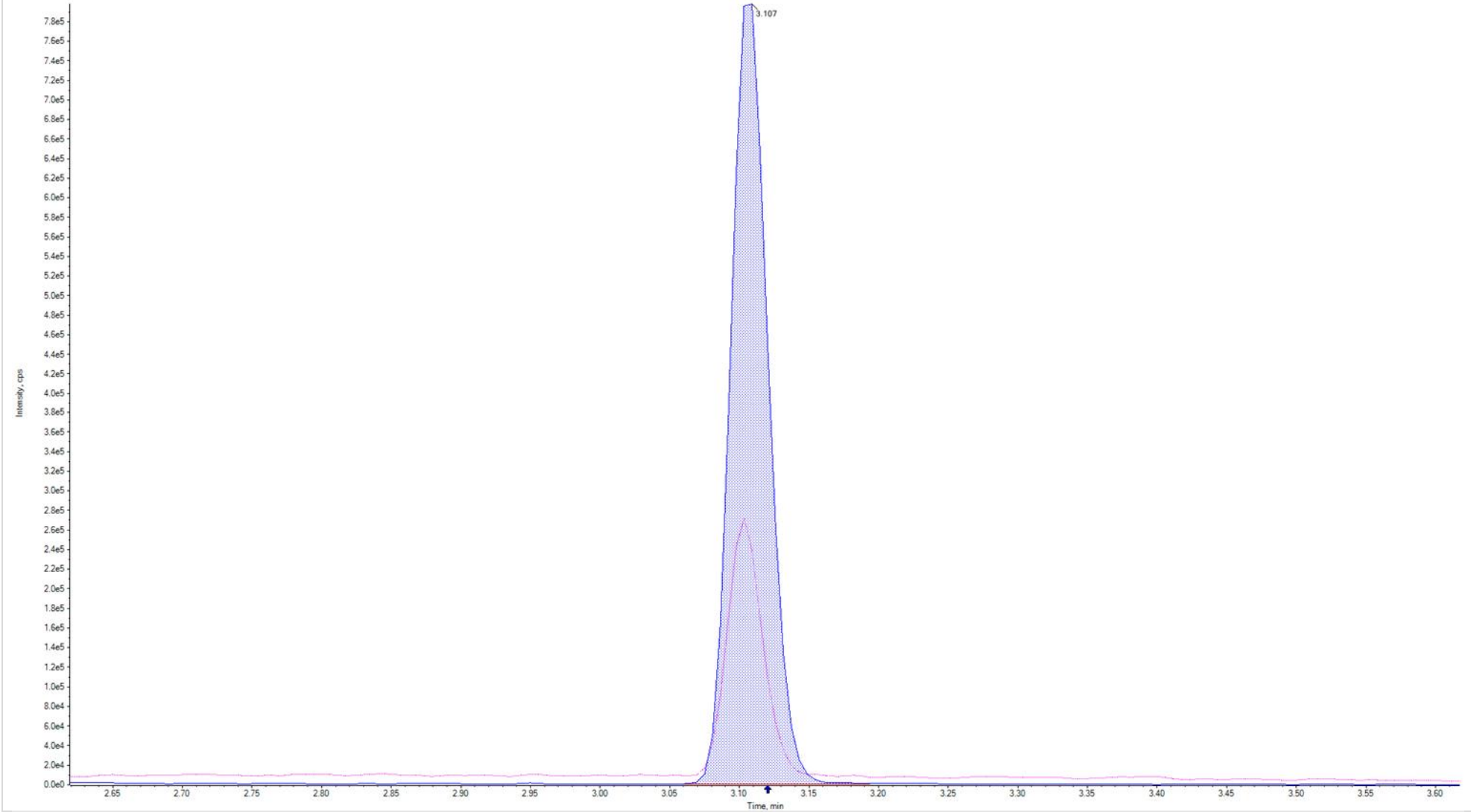
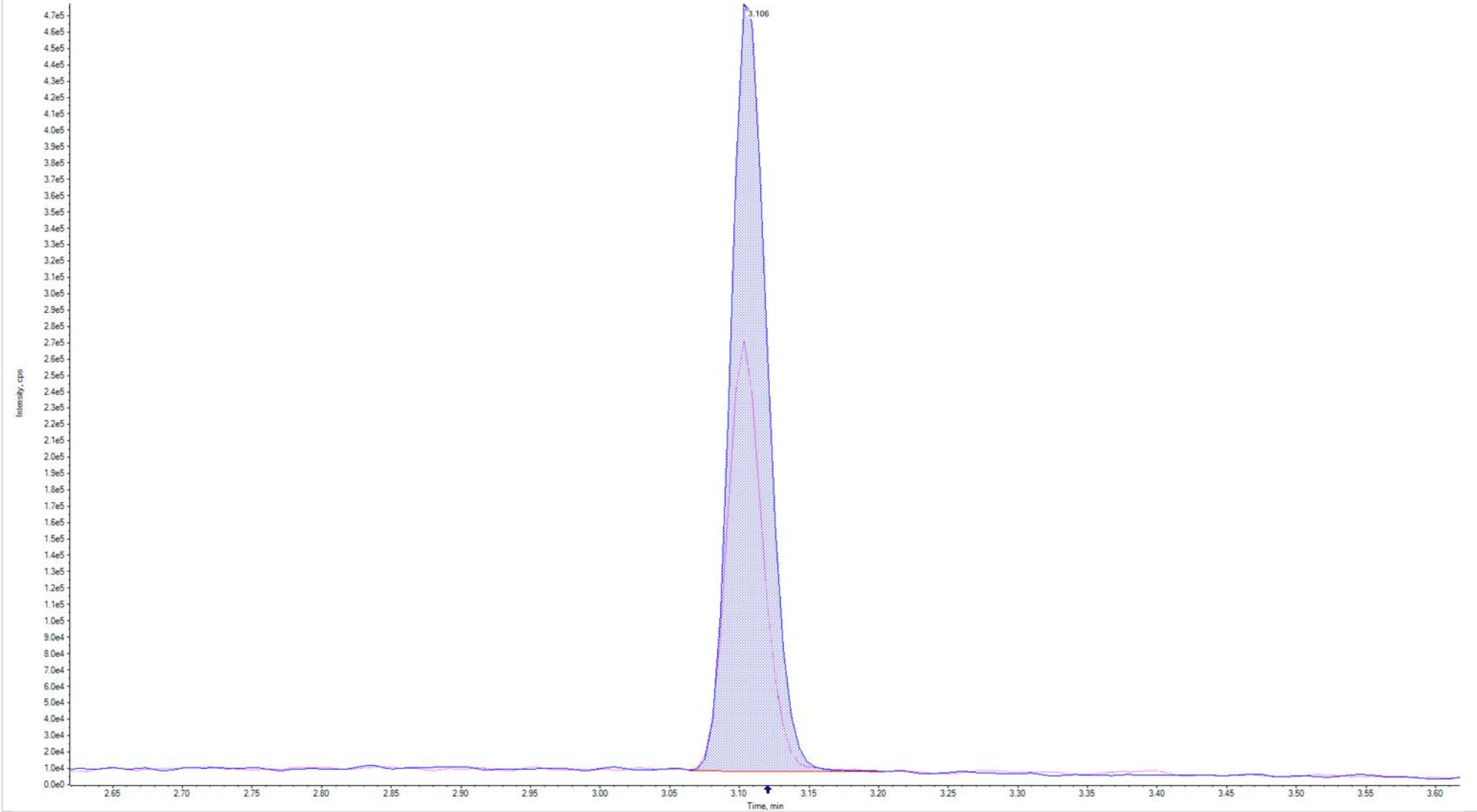
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

6:2FTS
Sample: WG2011107-4 S/N:2940.5 Points Across peak:30



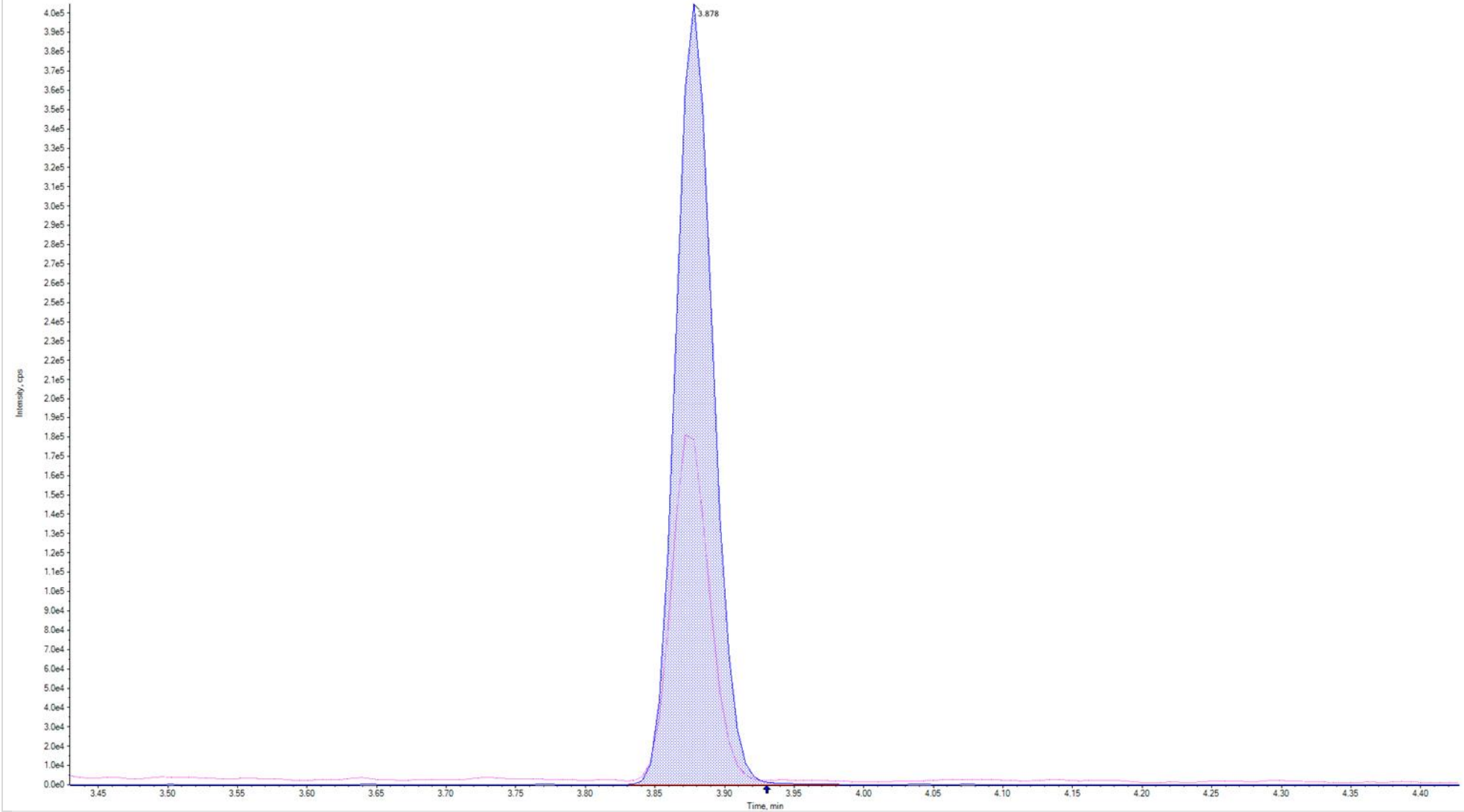
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

6:2FTS_2
Sample: WG2011107-4 S/N:628.4 Points Across peak:26



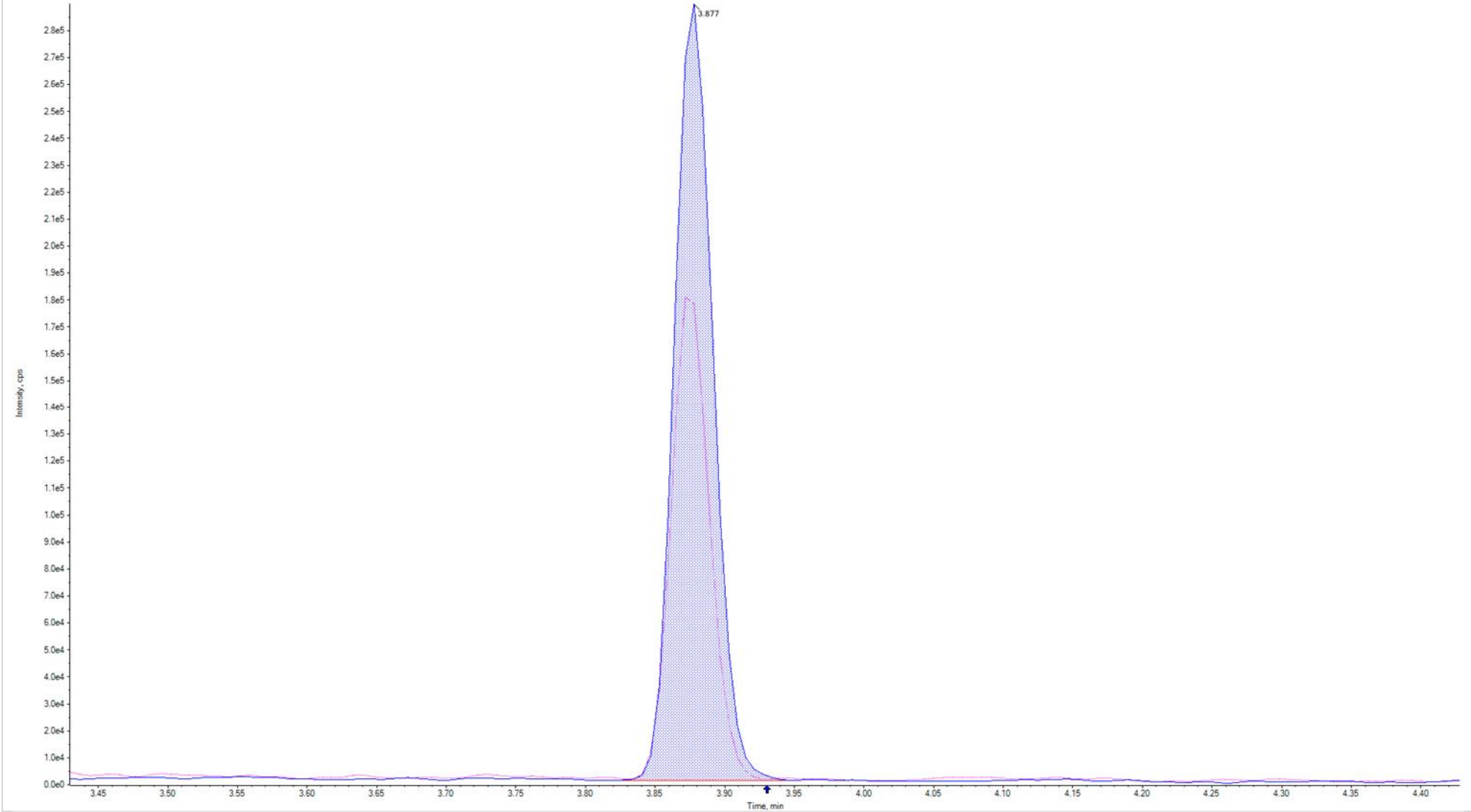
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

8:2FTS
Sample: WG2011107-4 S/N:8115.2 Points Across peak:29



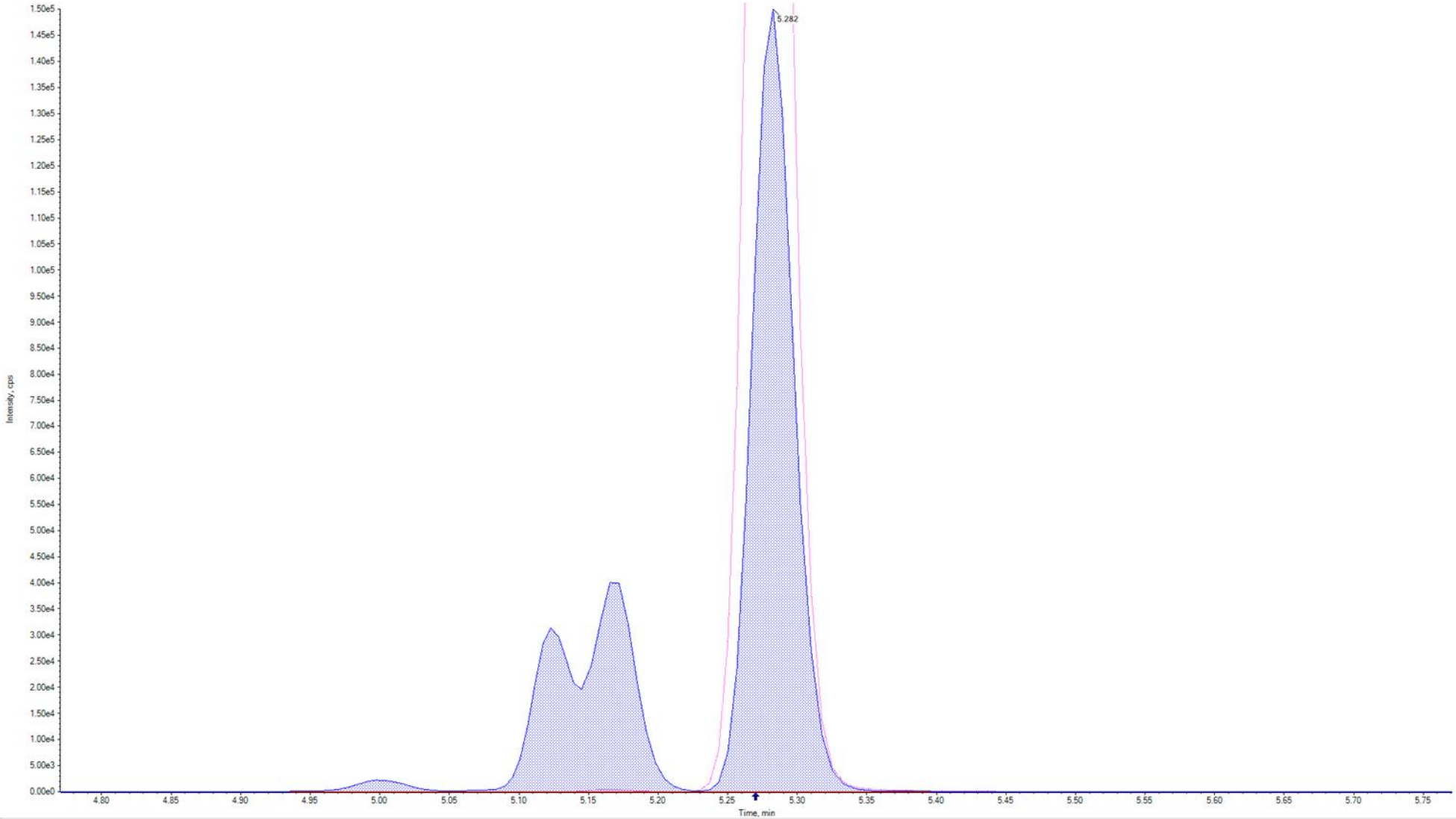
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

8:2FTS_2
Sample: WG2011107-4 S/N:819.6 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFOSA
Sample: WG2011107-4 S/N:248.0 Points Across peak:76



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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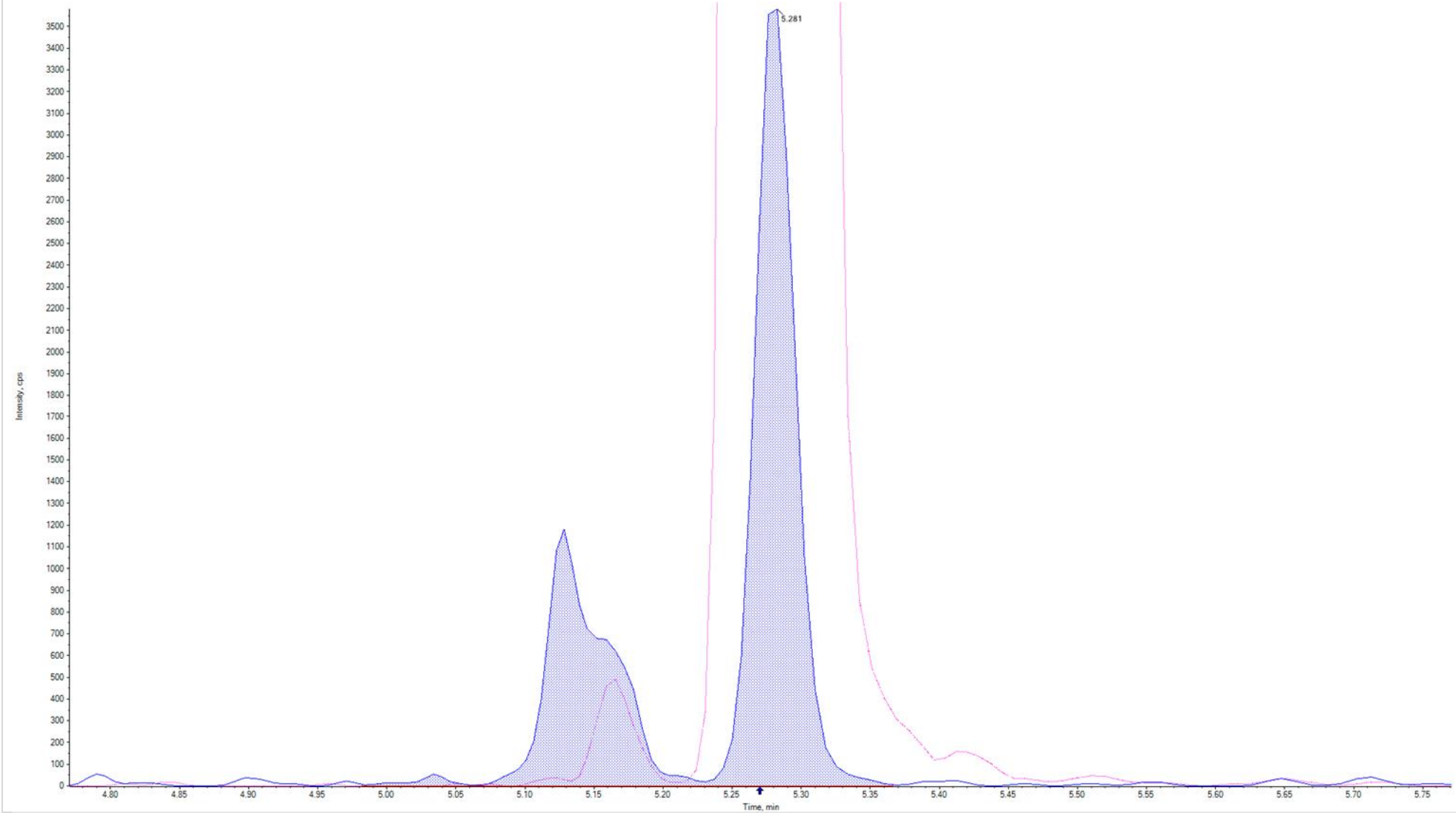
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFOSA_2
Sample: WG2011107-4 S/N:185.9 Points Across peak:62



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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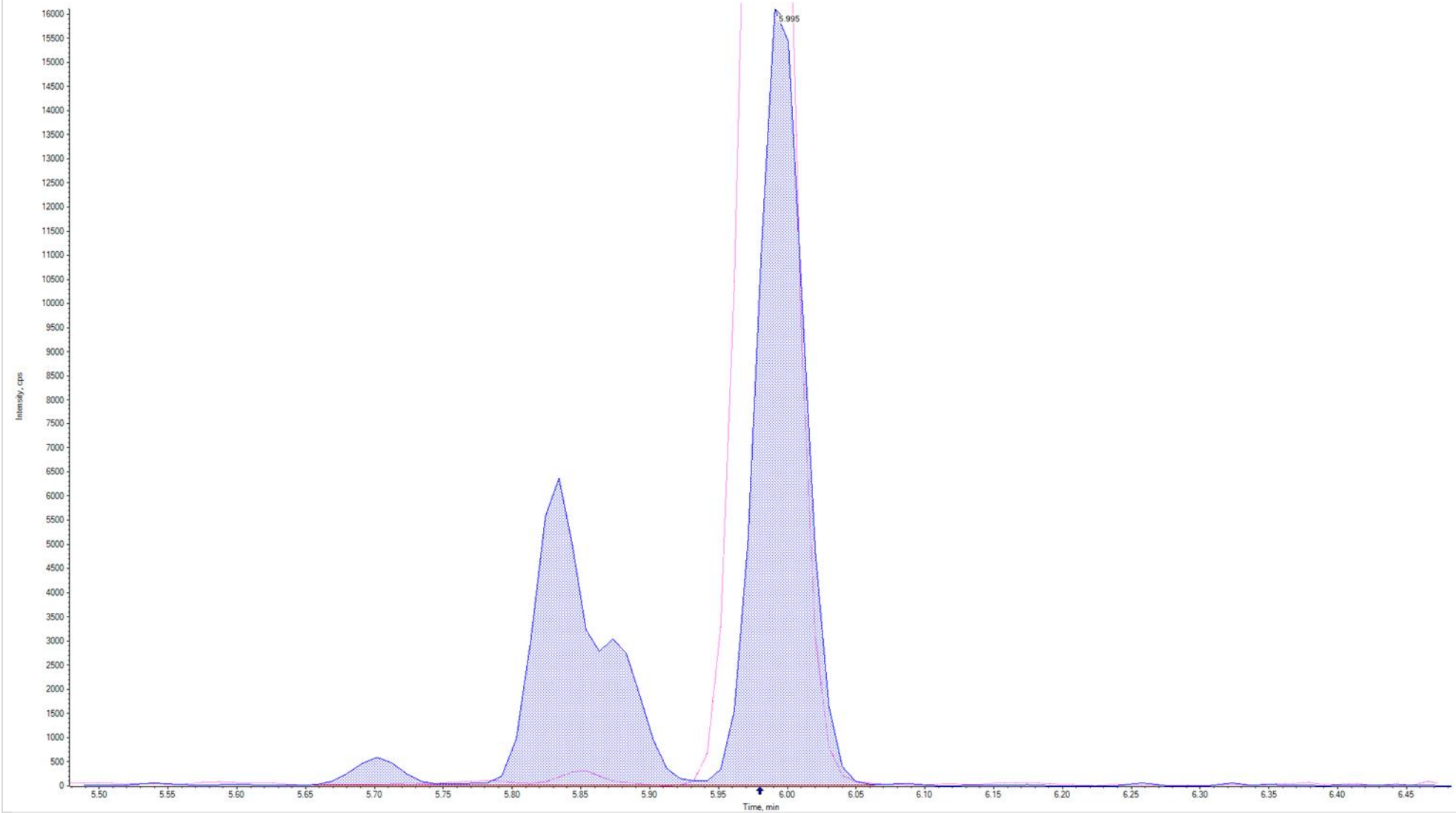
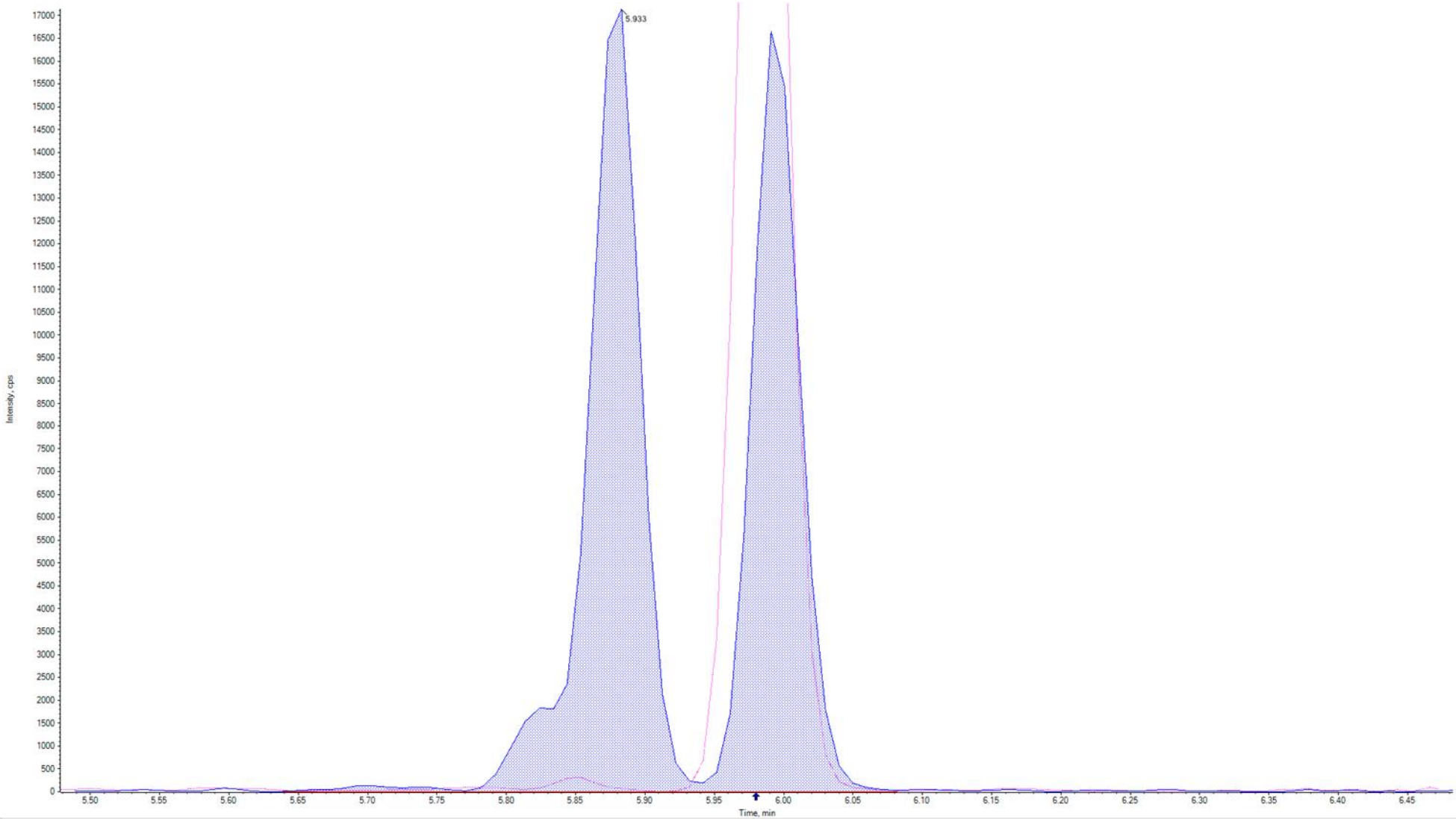
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

NMeFOSA
Sample: WG2011107-4 S/N:248.7 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

NMeFOSA_2
Sample: WG2011107-4 S/N:203.7 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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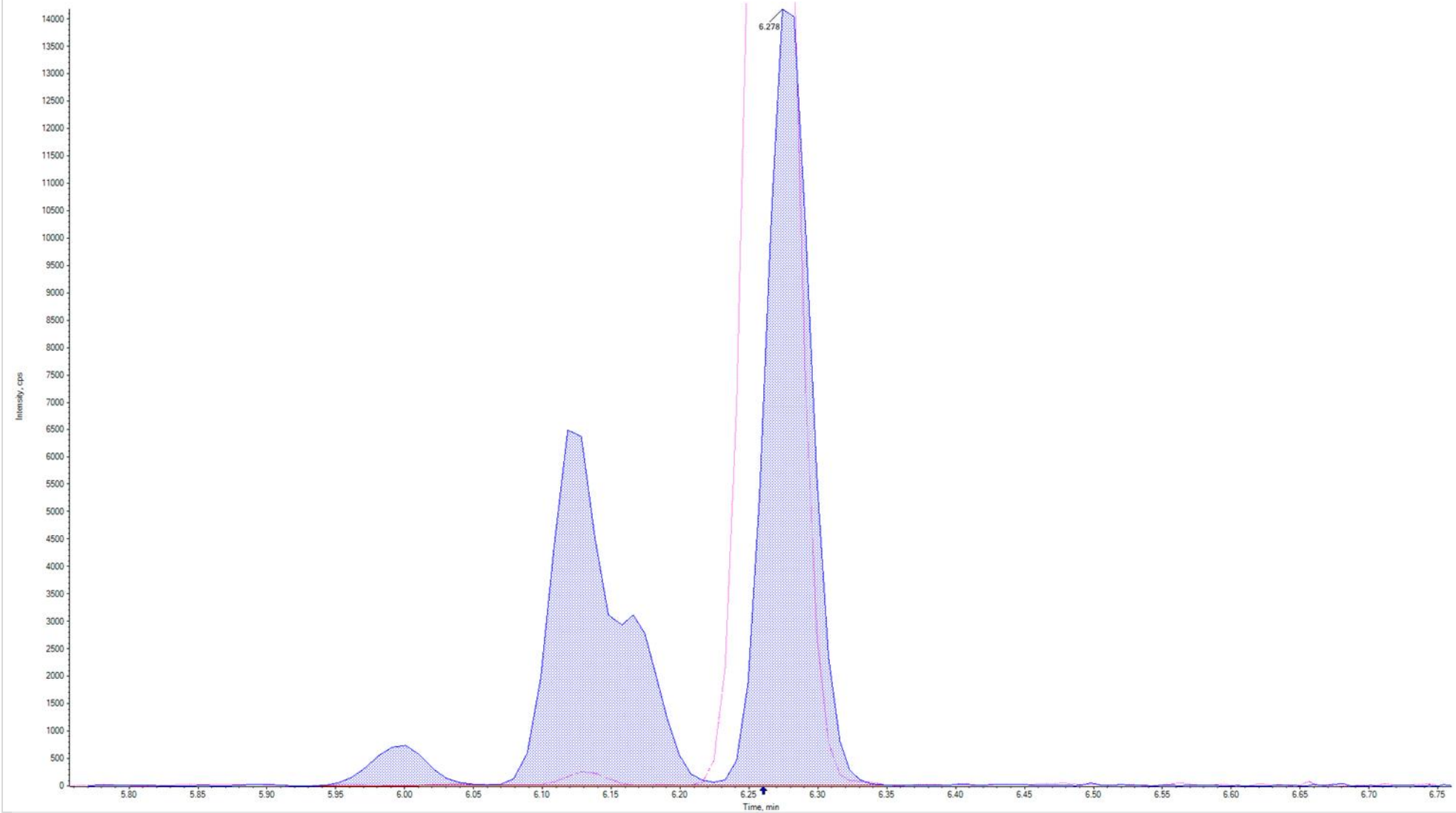
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

NEtFOSA
Sample: WG2011107-4 S/N:602.4 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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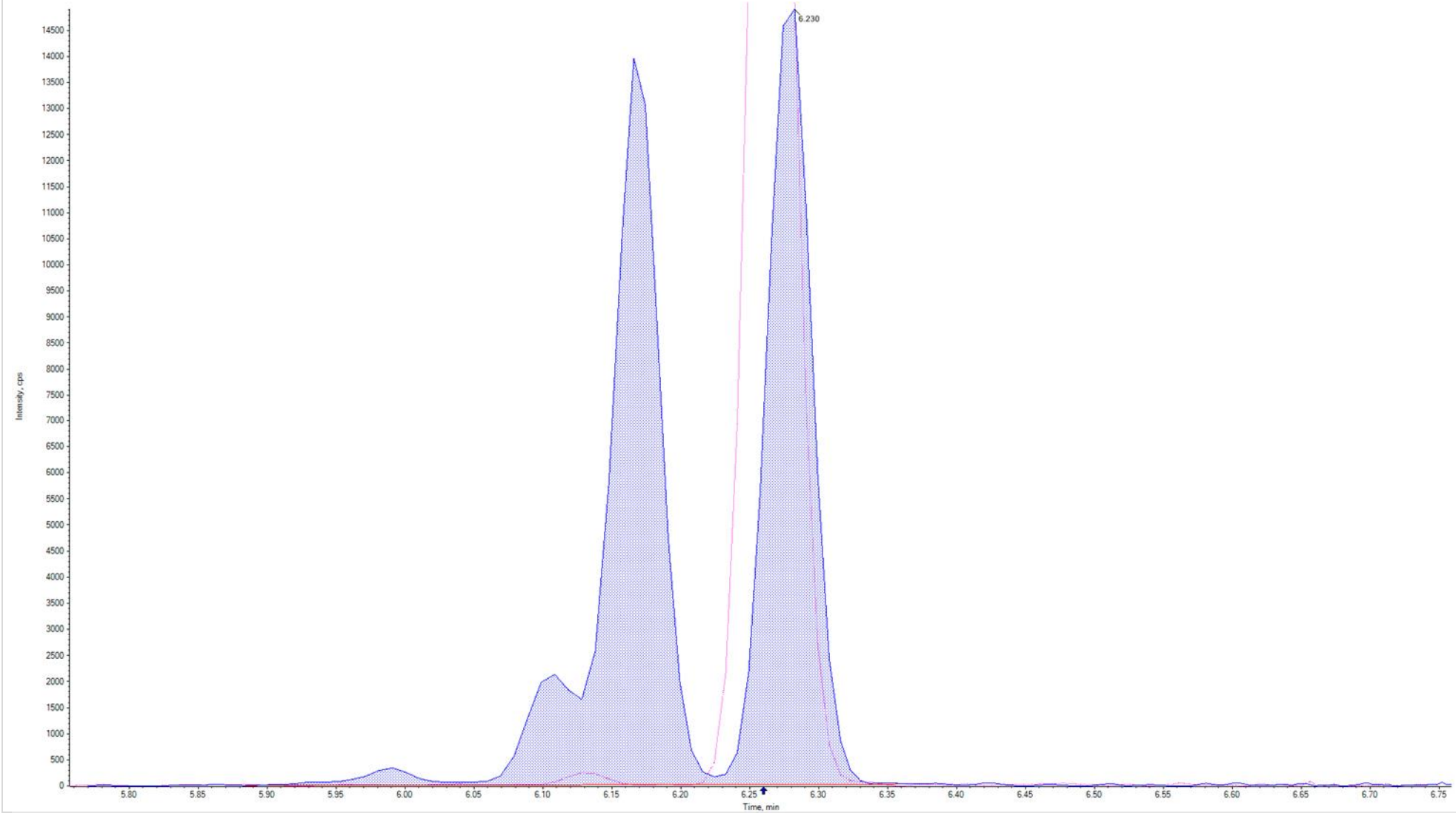
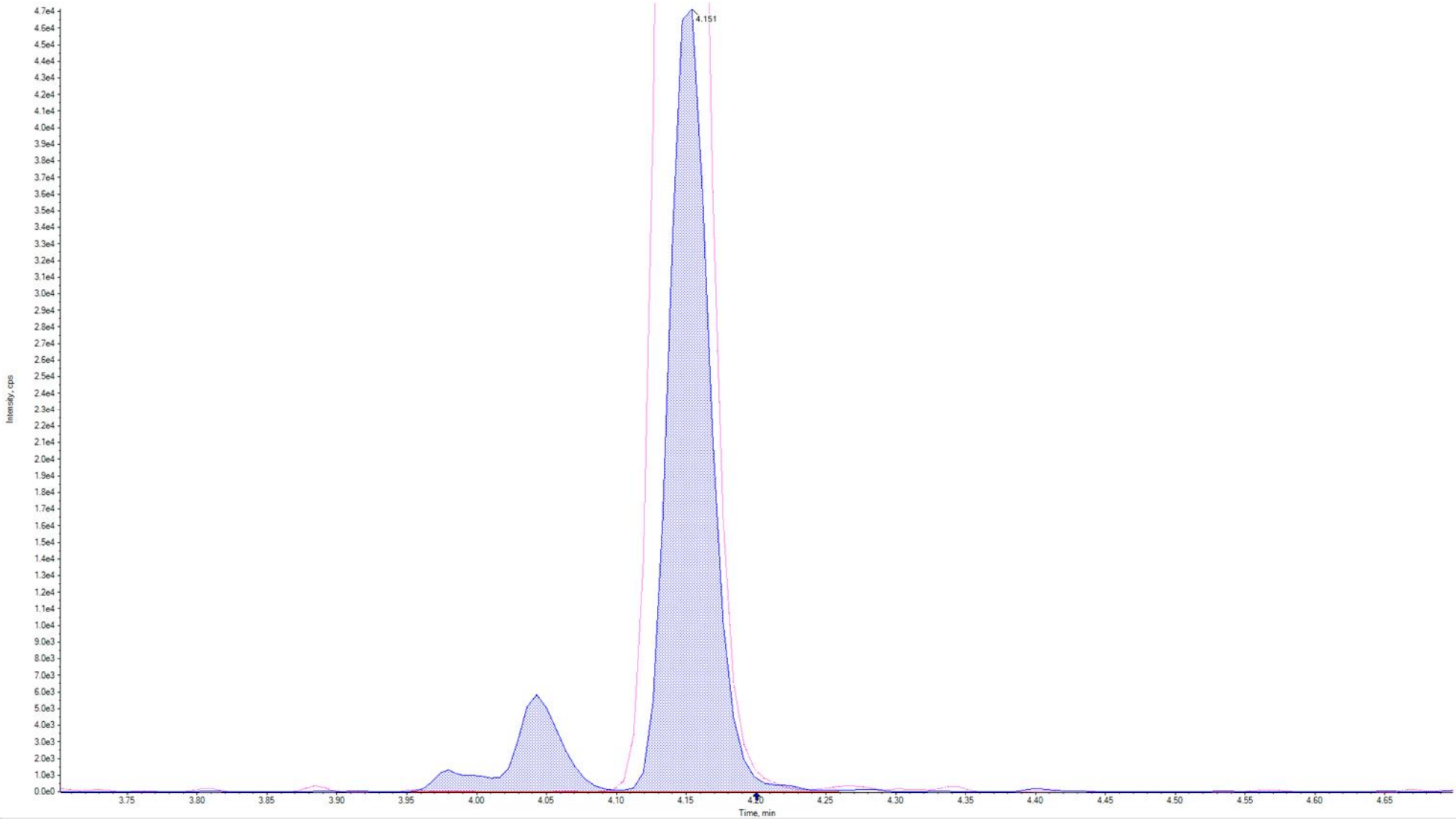
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

NEtFOSA_2
Sample: WG2011107-4 S/N:458.8 Points Across peak:56



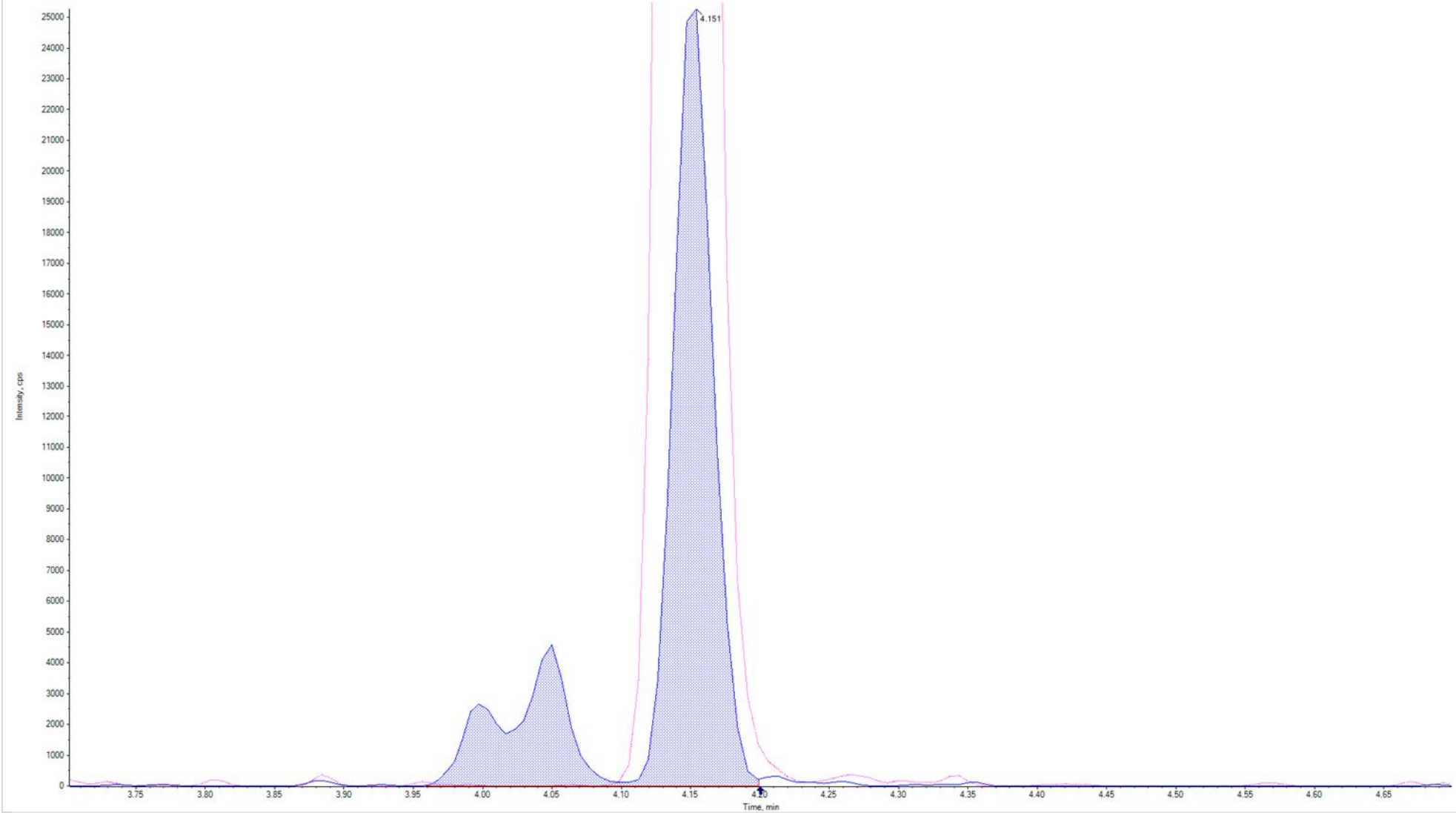
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

NMeFOSAA
Sample: WG2011107-4 S/N:669.6 Points Across peak:49



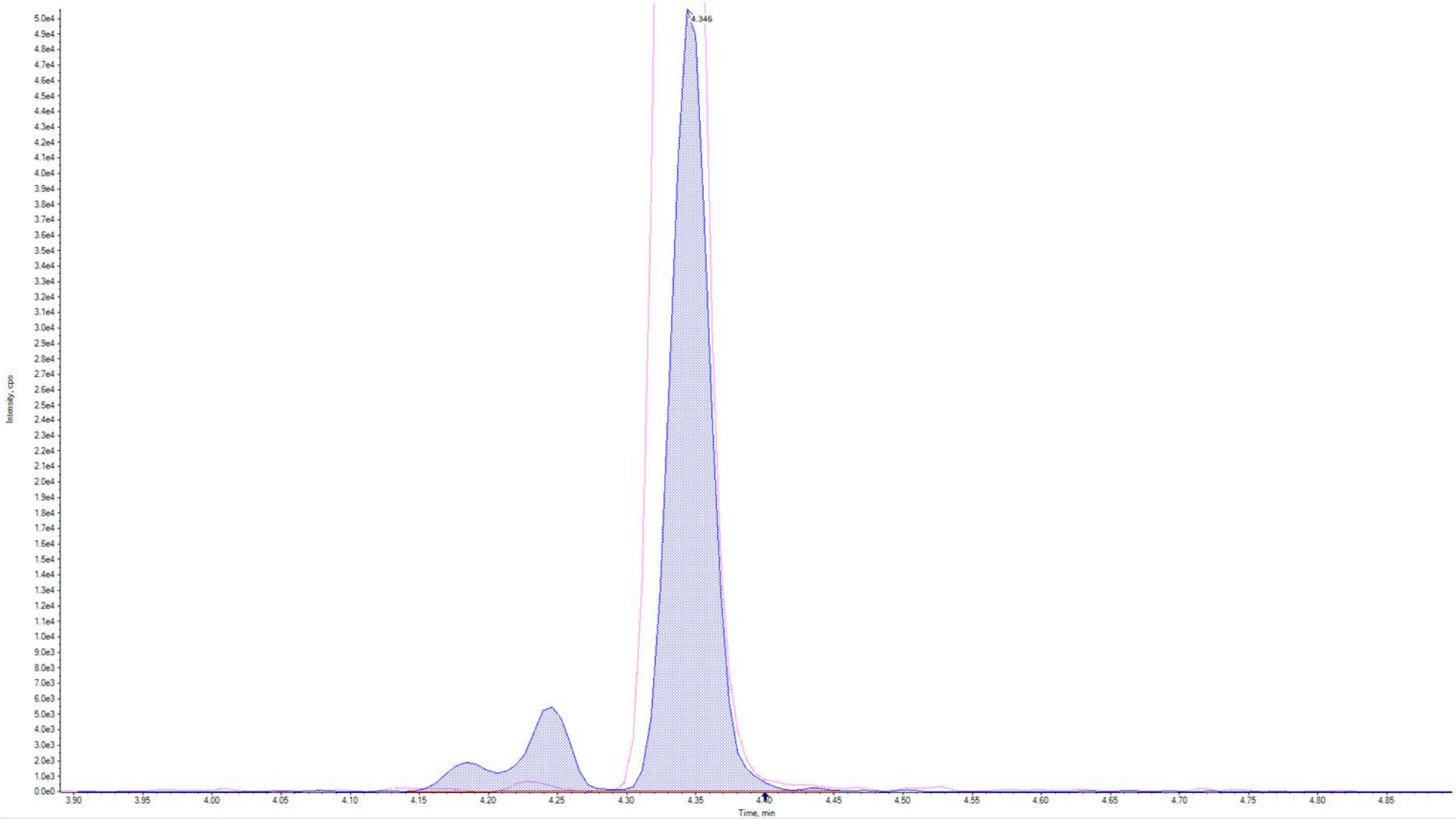
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

NMeFOSAA_2
Sample: WG2011107-4 S/N:381.9 Points Across peak:38



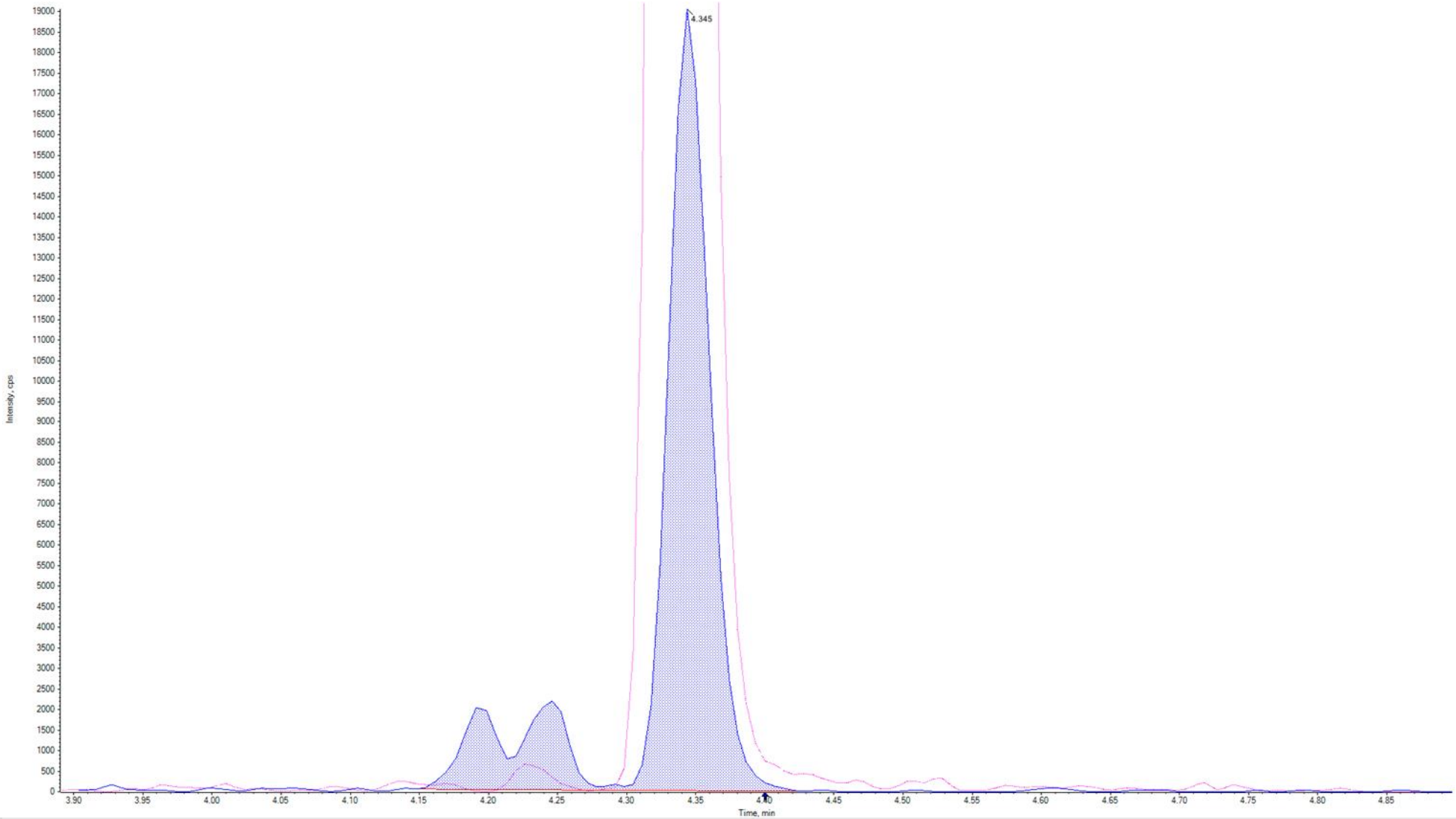
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

NEtFOSAA
Sample: WG2011107-4 S/N:755.5 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

NEtFOSAA_2
Sample: WG2011107-4 S/N:367.4 Points Across peak:43



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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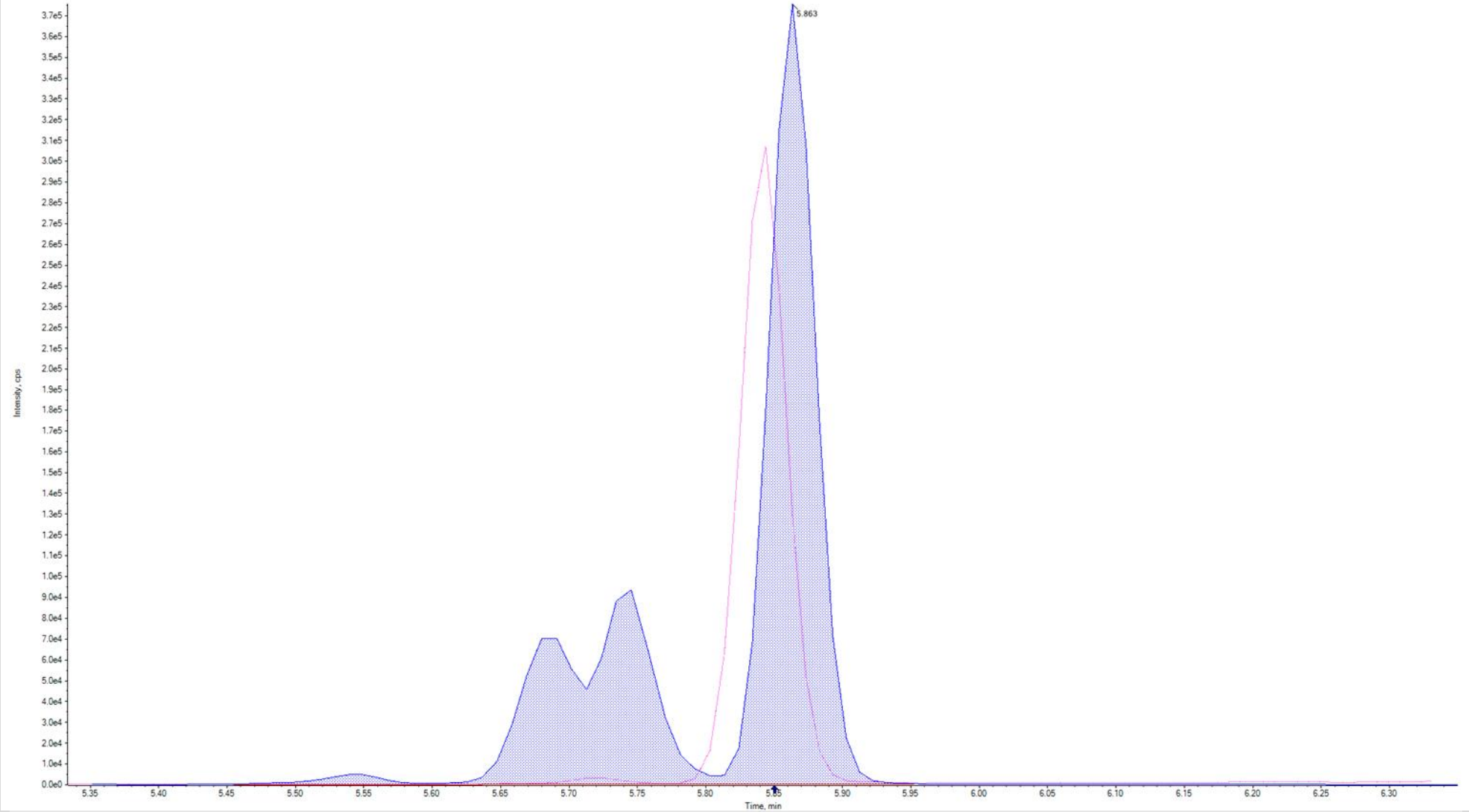
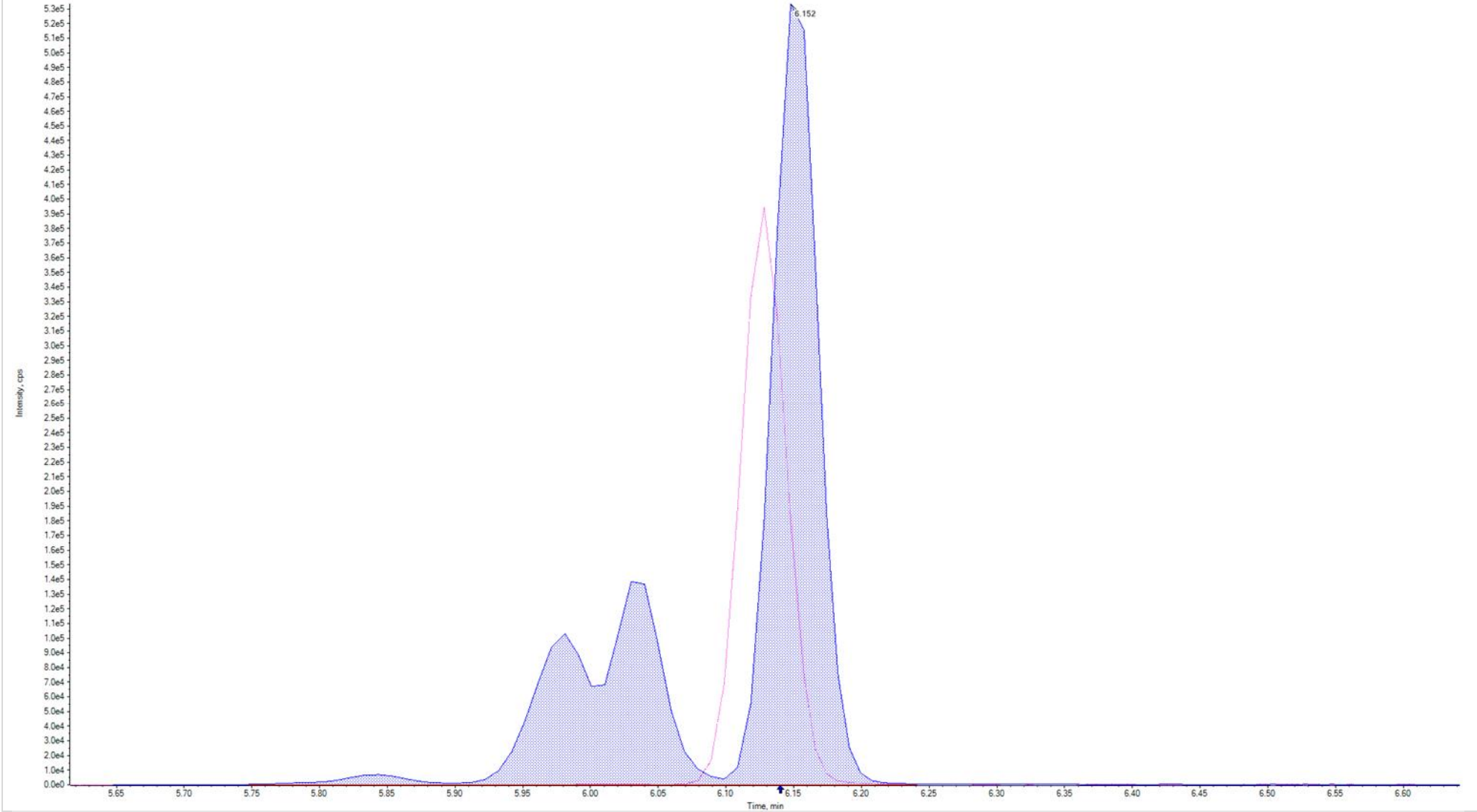
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

NMeFOSE
Sample: WG2011107-4 S/N:236.1 Points Across peak:51



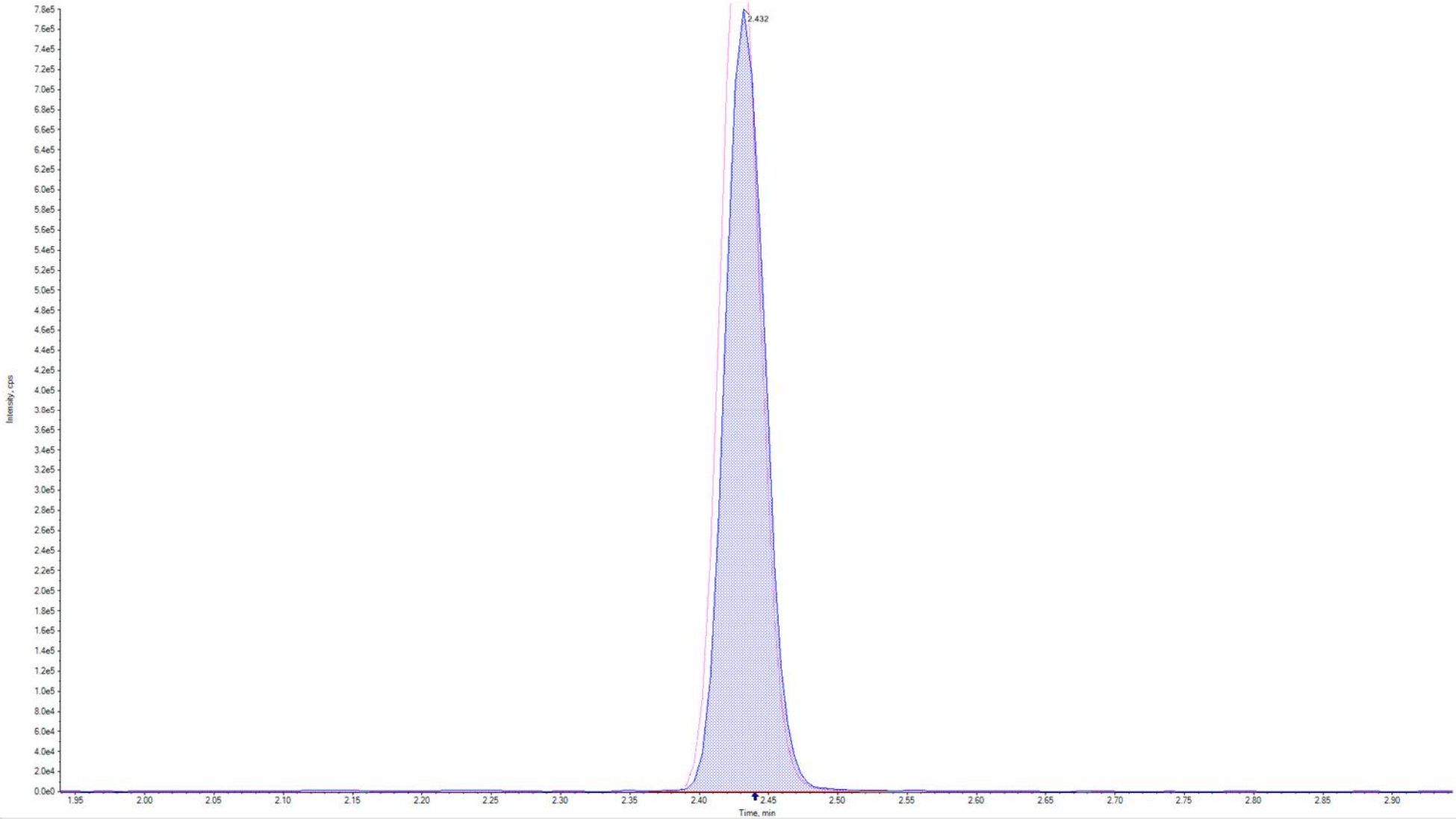
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

NEtFOSE
Sample: WG2011107-4 S/N:407.1 Points Across peak:65



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

HFPO-DA
Sample: WG2011107-4 S/N:5951.4 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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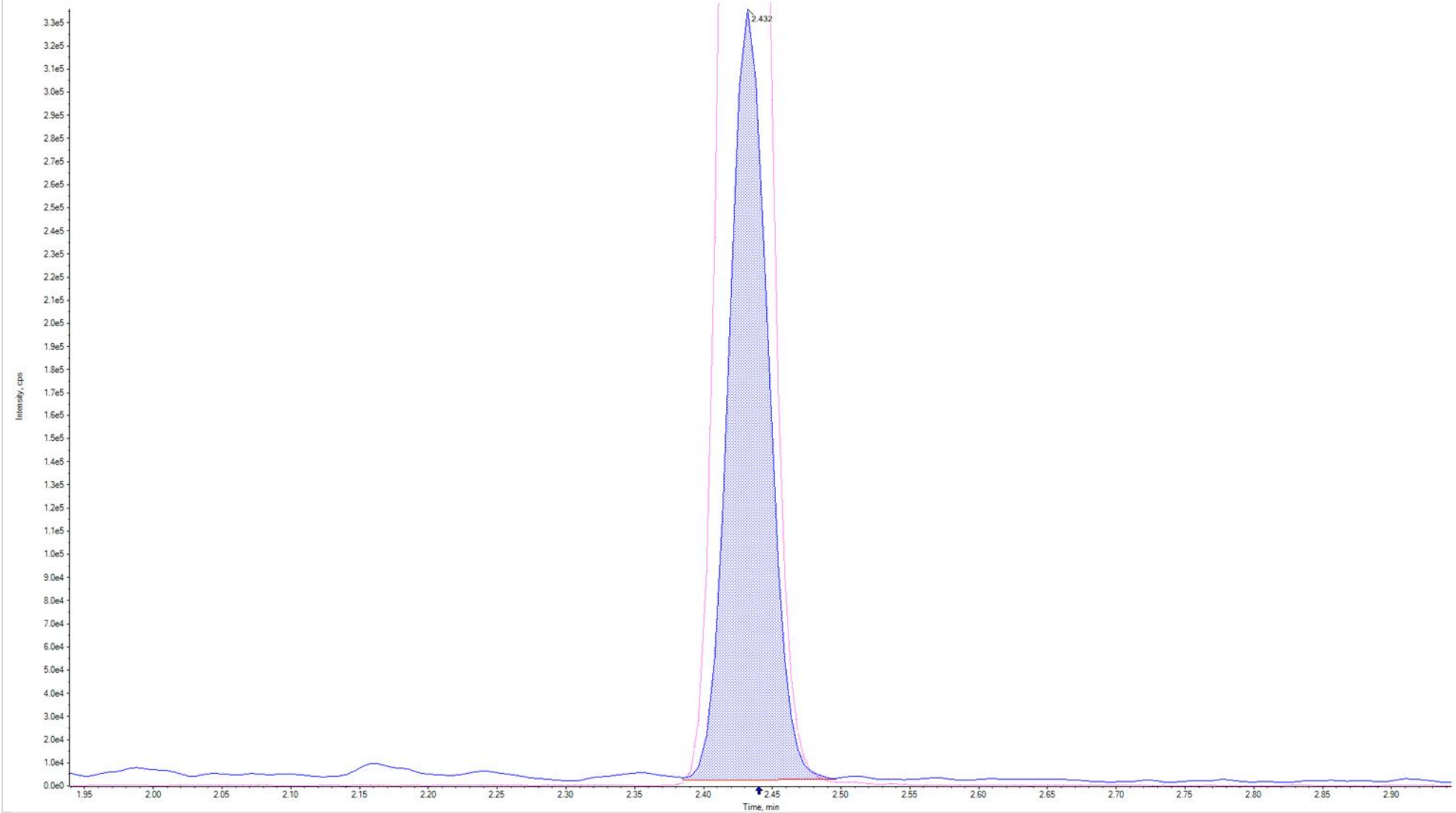
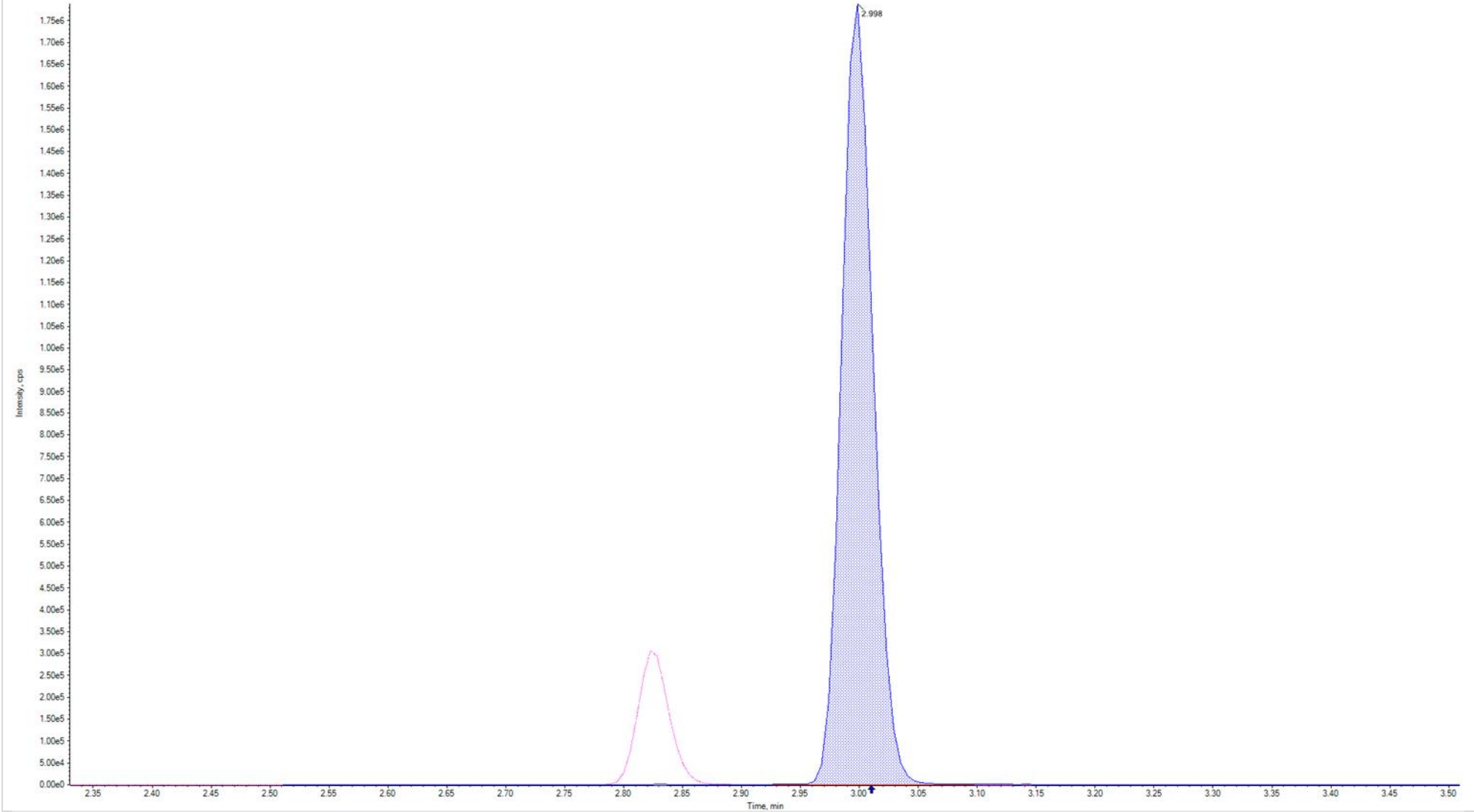
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

HFPO-DA_2
Sample: WG2011107-4 S/N:809.8 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

ADONA
Sample: WG2011107-4 S/N:5963.7 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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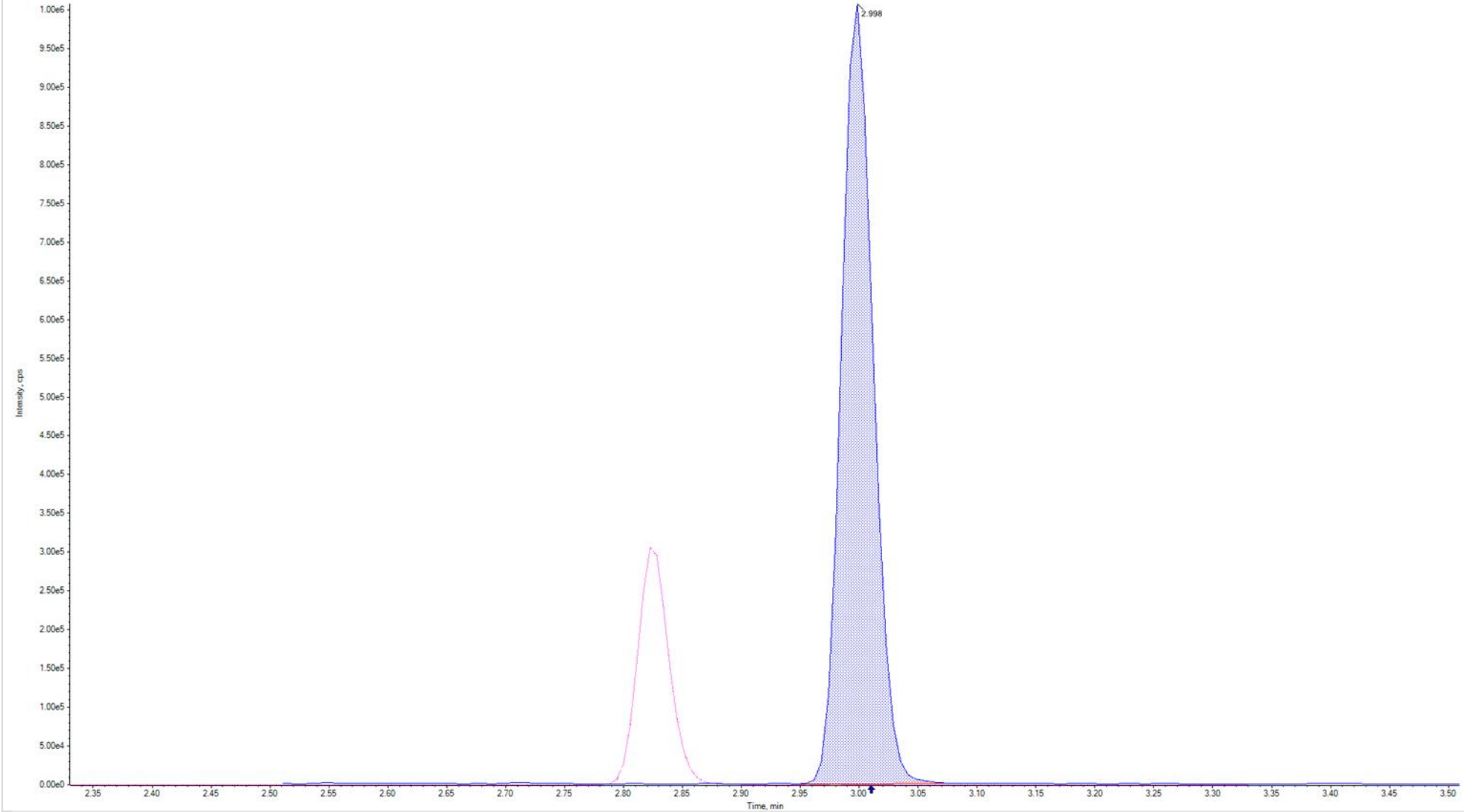
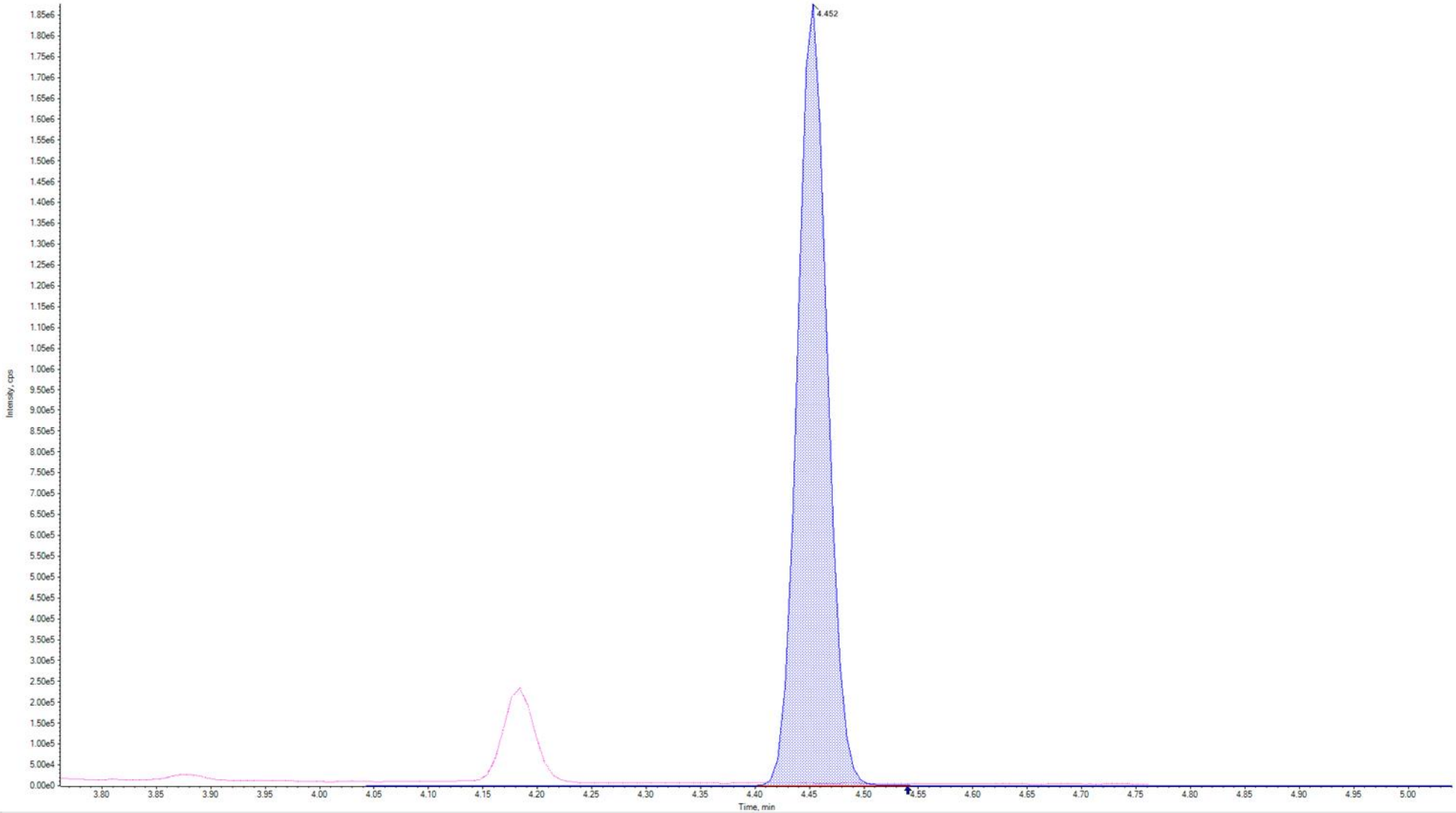
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

ADONA_2
Sample: WG2011107-4 S/N:1704.1 Points Across peak:25



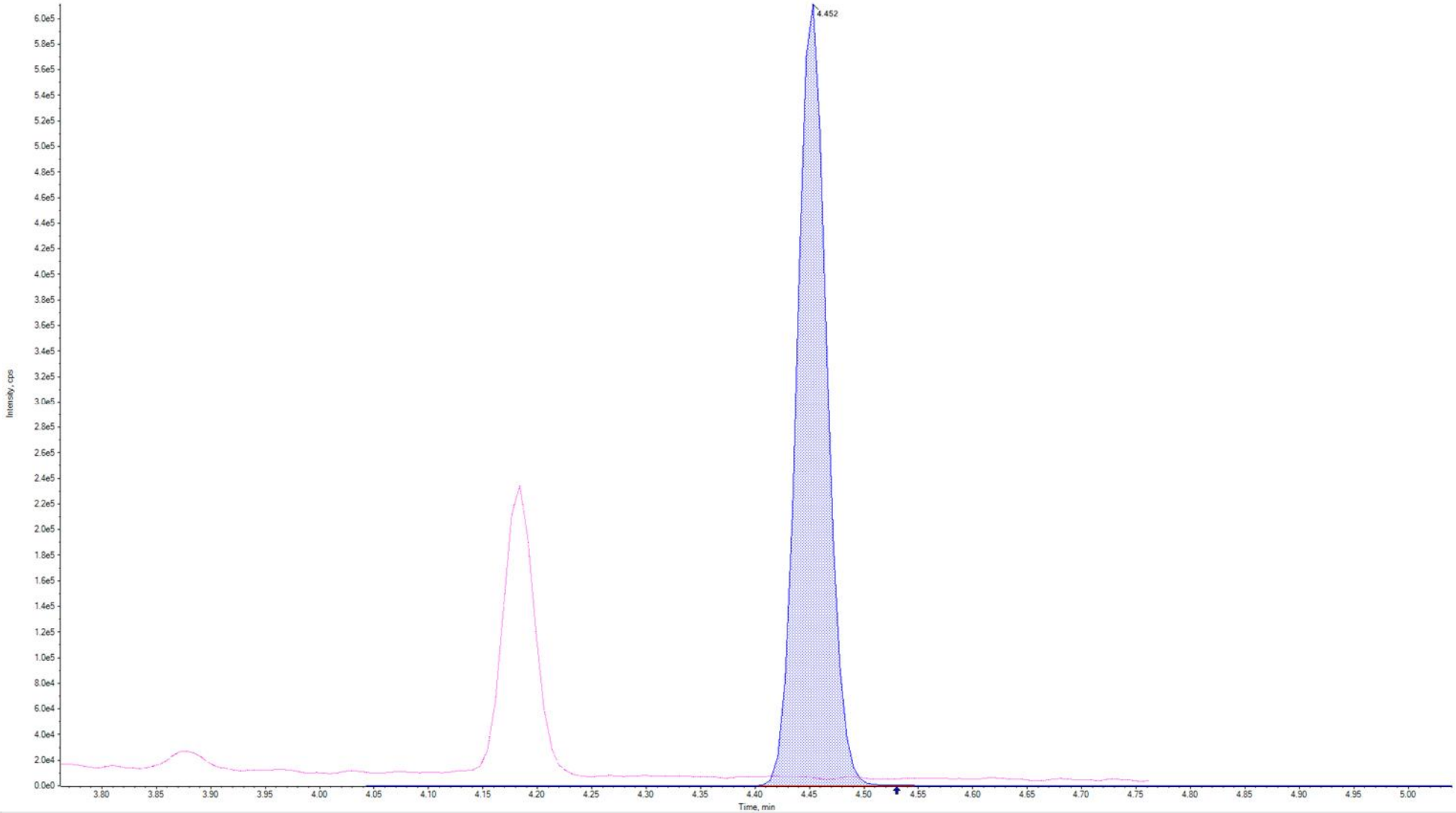
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

9Cl-PF3ONS
Sample: WG2011107-4 S/N:42335.1 Points Across peak:30



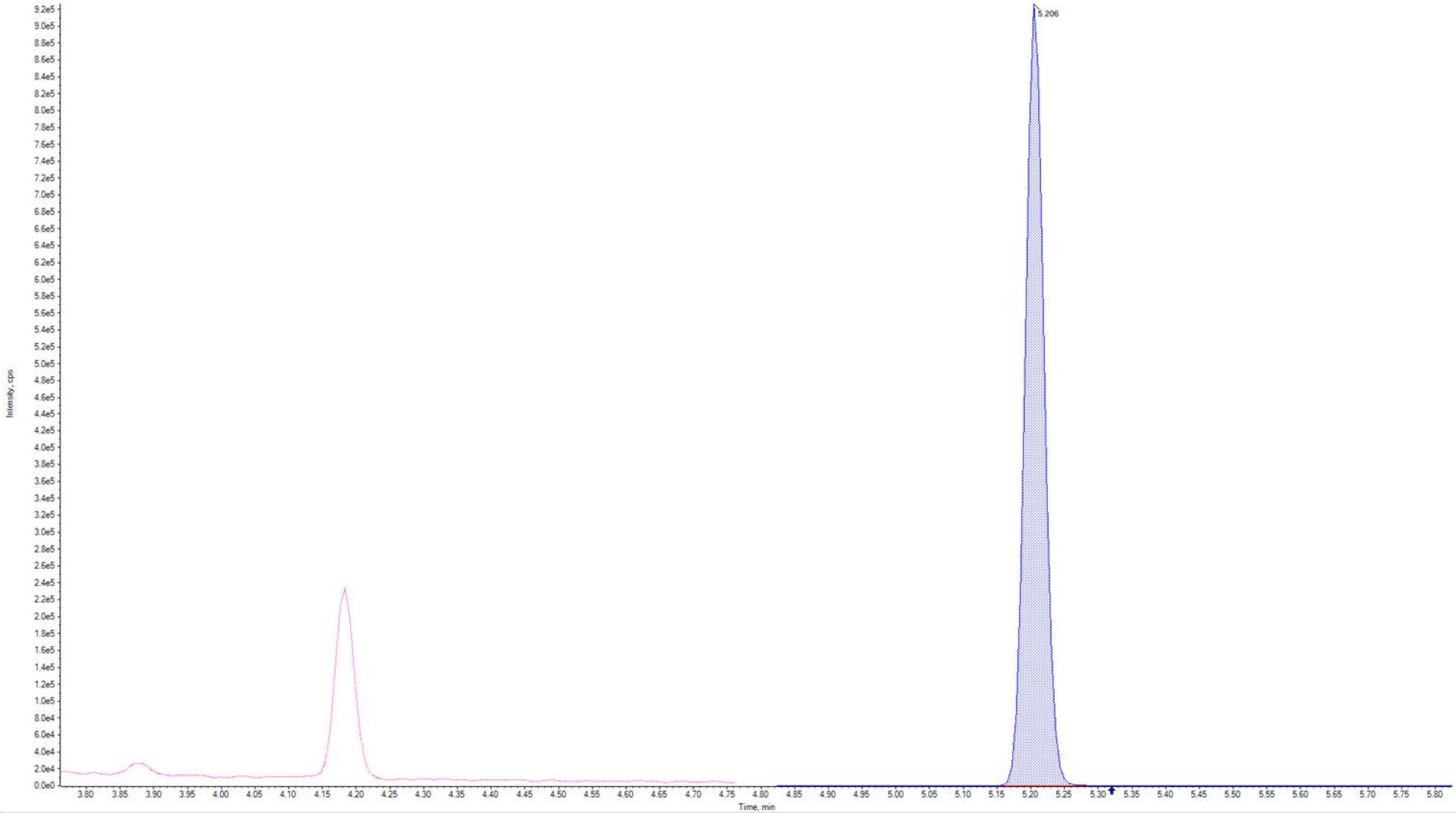
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

9Cl-PF3ONS_2
Sample: WG2011107-4 S/N:4470.8 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

11Cl-PF3OUdS
Sample: WG2011107-4 S/N:6767.0 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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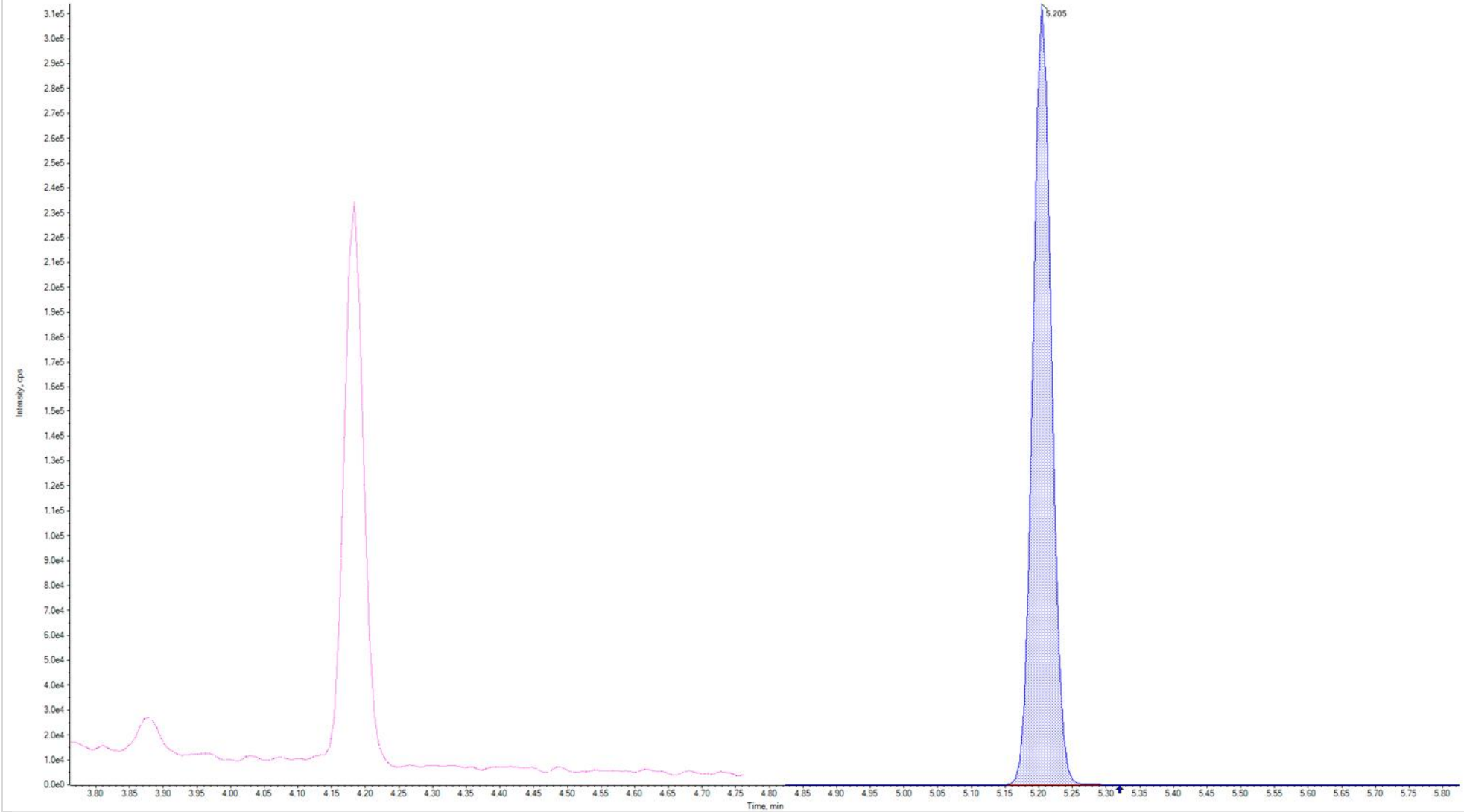
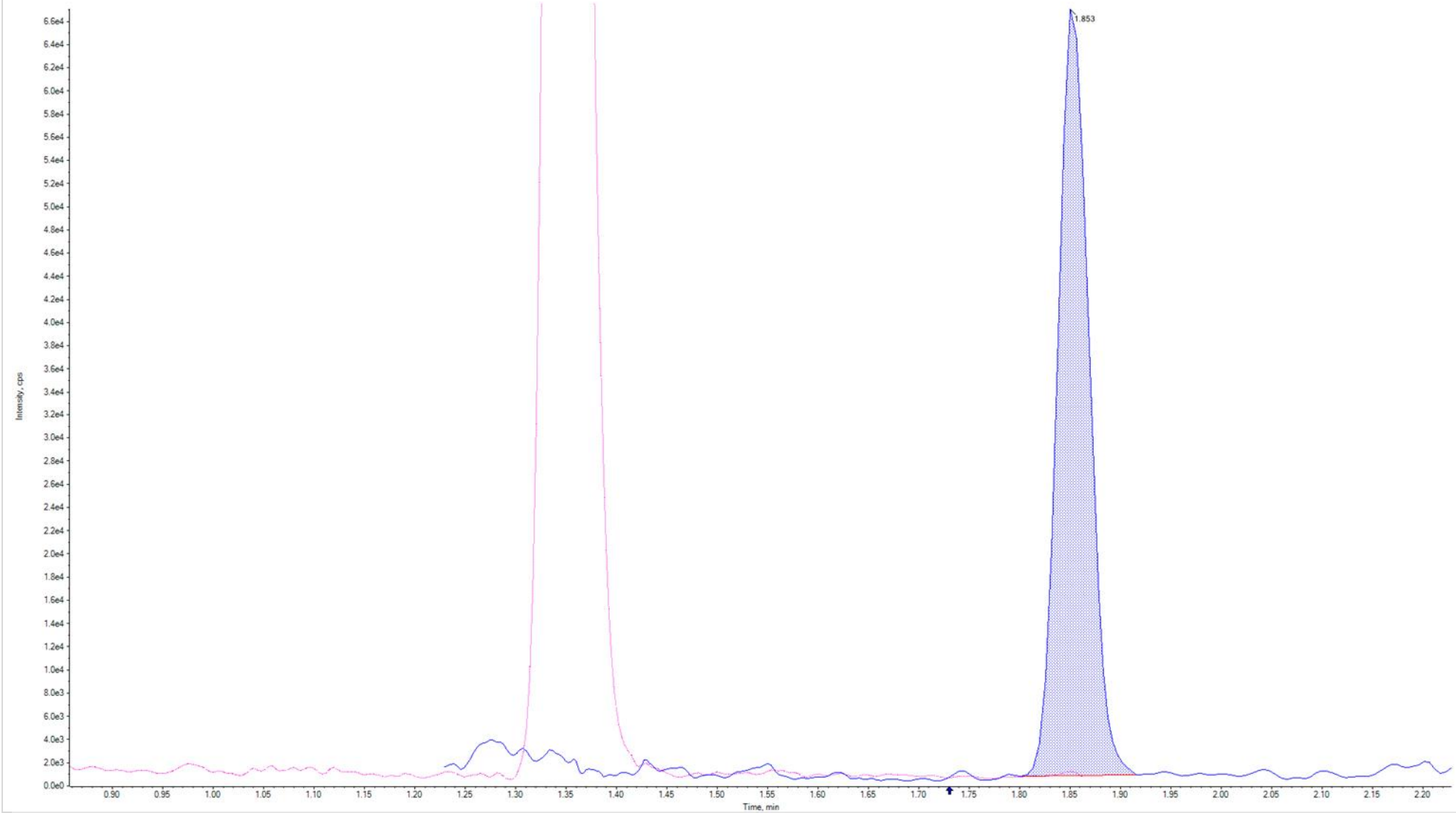
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

11Cl-PF3OUdS_2
Sample: WG2011107-4 S/N:13192.2 Points Across peak:34



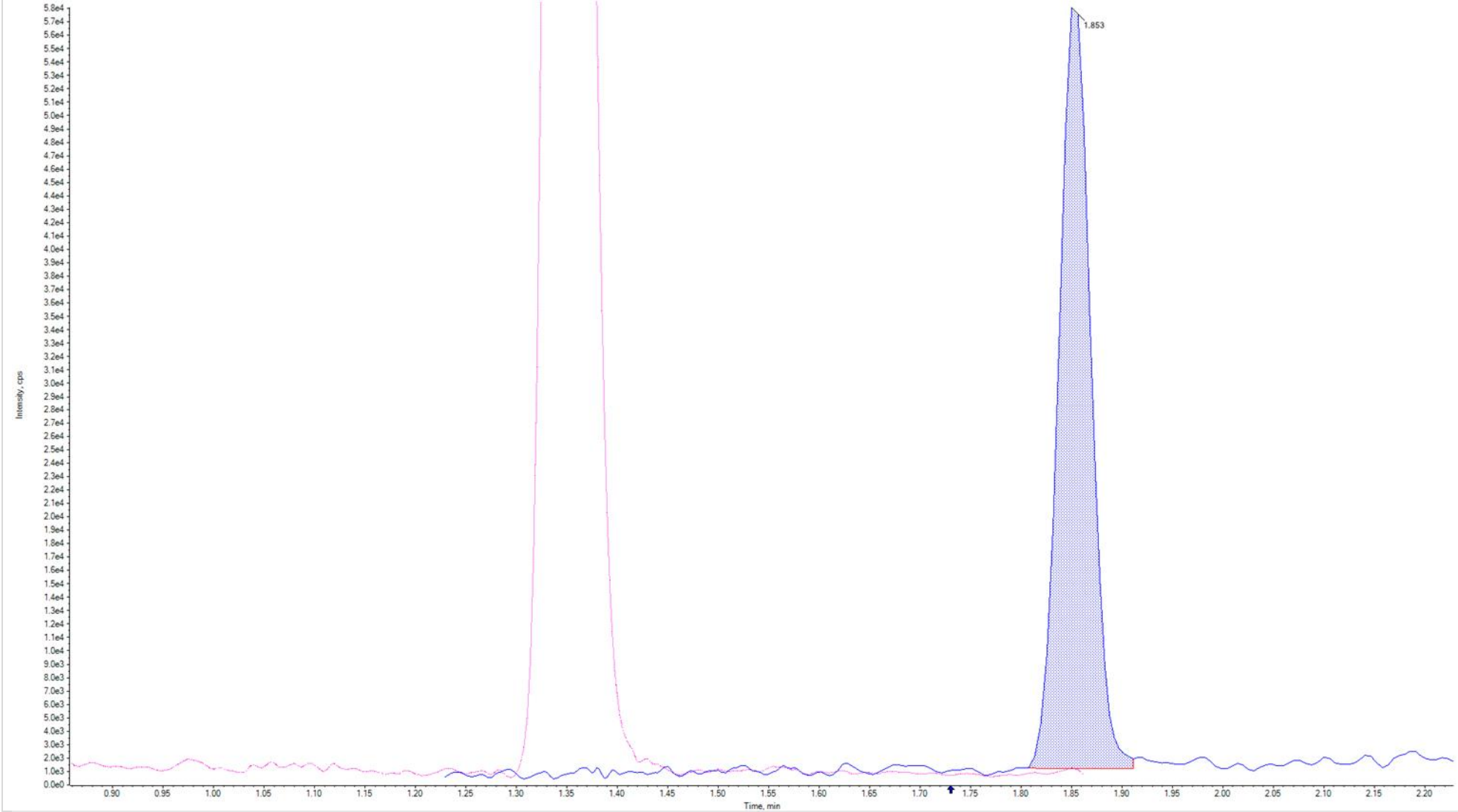
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

3:3FTCA
Sample: WG2011107-4 S/N:624.1 Points Across peak:23



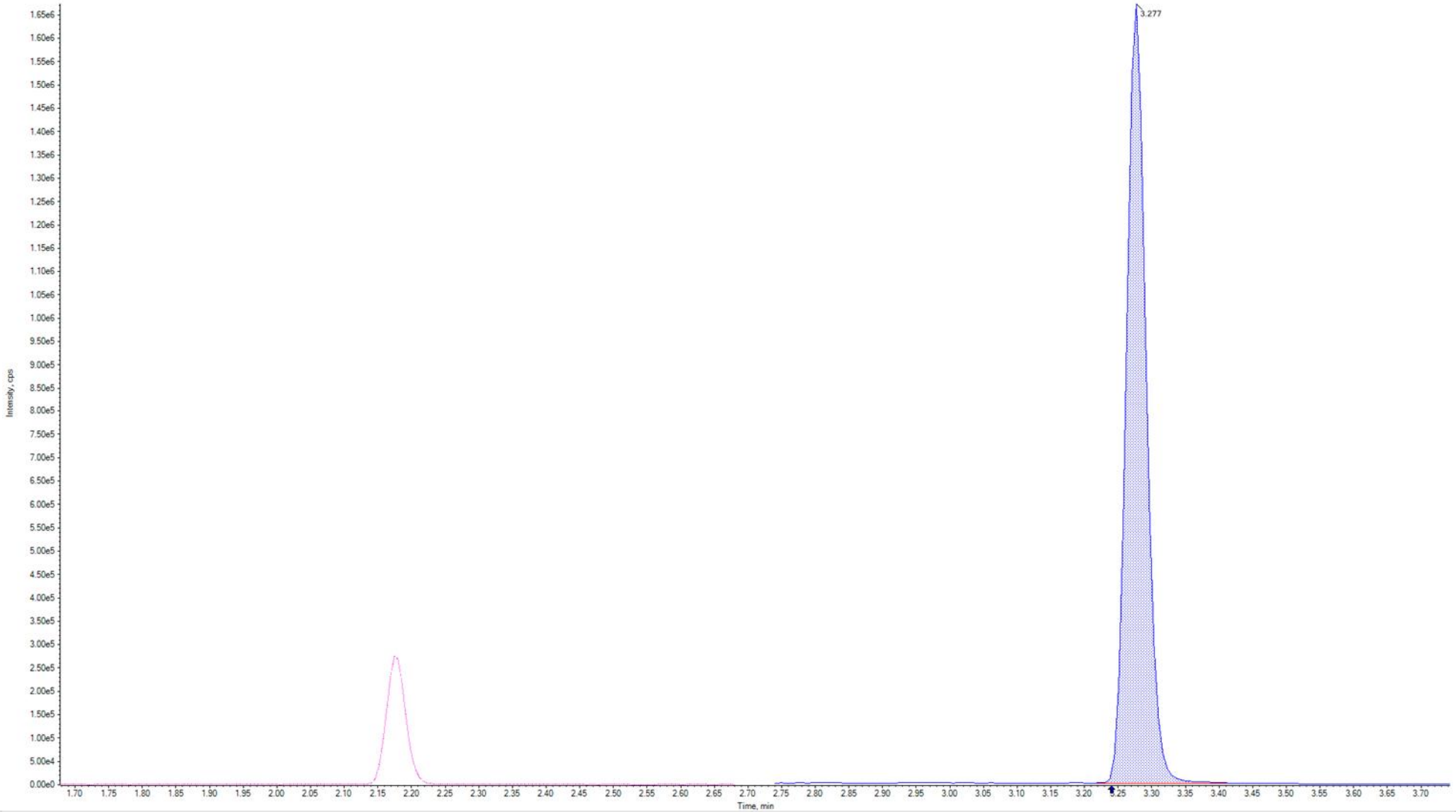
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

3:3FTCA_2
Sample: WG2011107-4 S/N:542.2 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

5:3FTCA
Sample: WG2011107-4 S/N:2137.9 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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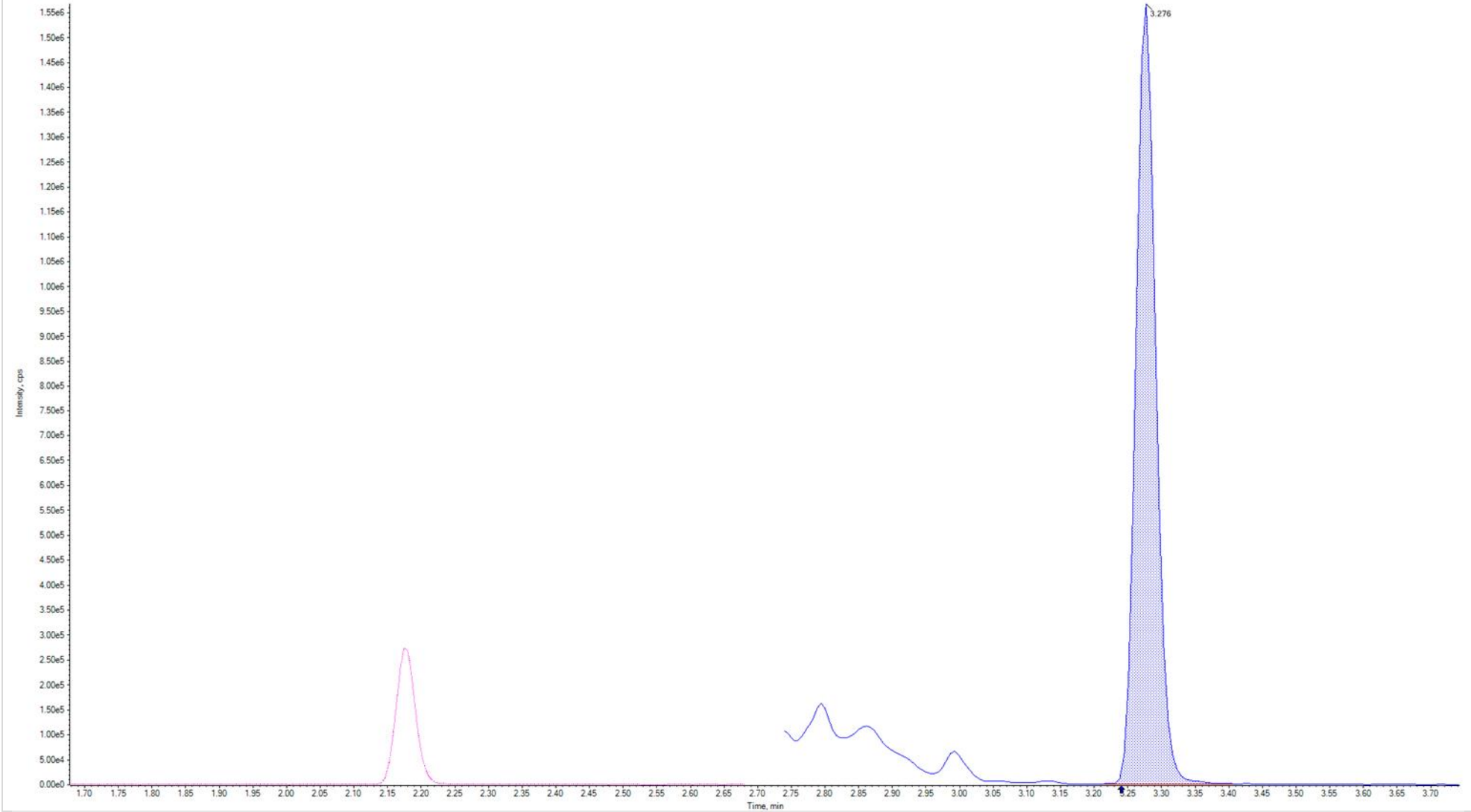
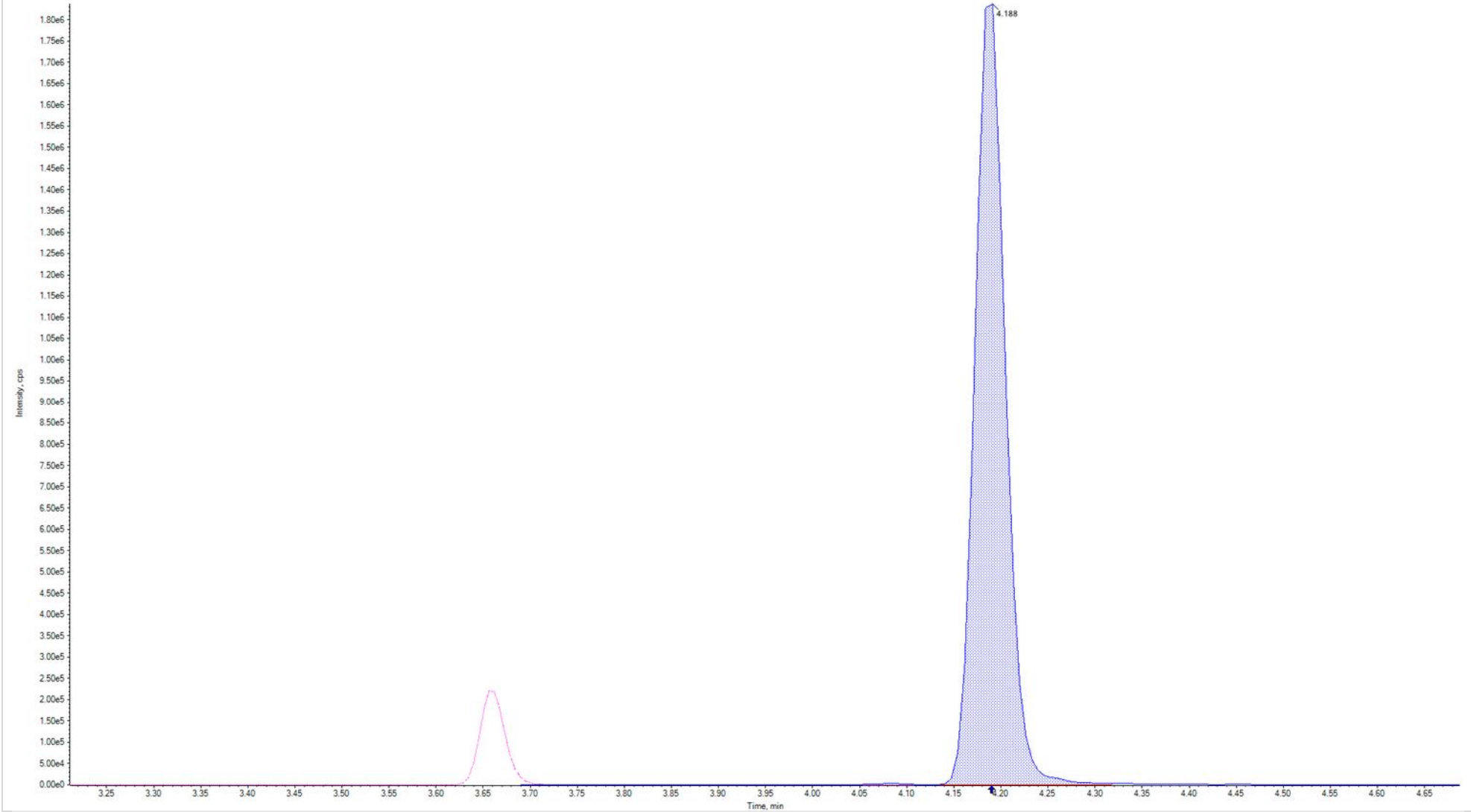
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

5:3FTCA_2
Sample: WG2011107-4 S/N:2266.6 Points Across peak:35



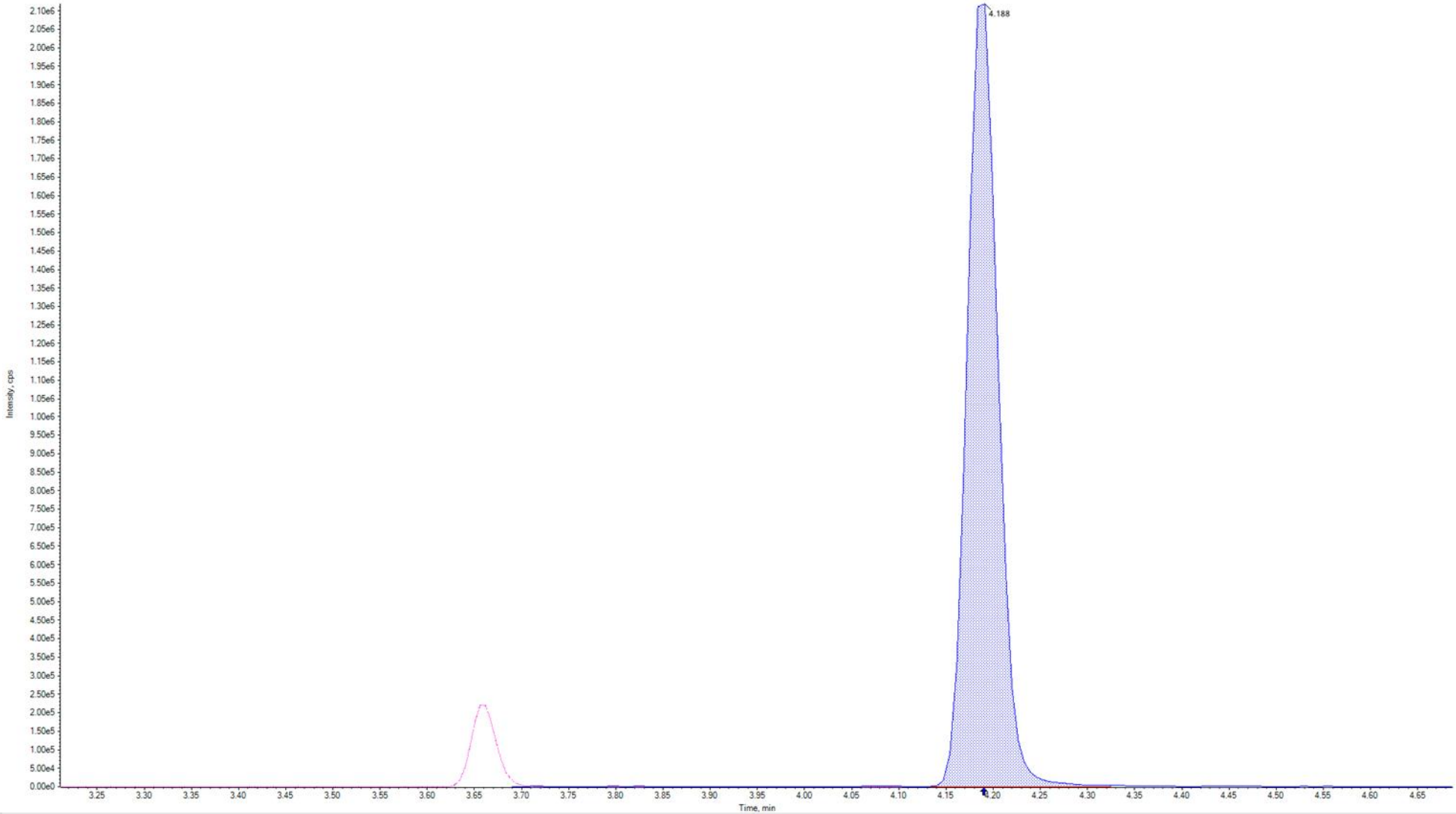
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

7:3FTCA
Sample: WG2011107-4 S/N:8819.7 Points Across peak:29



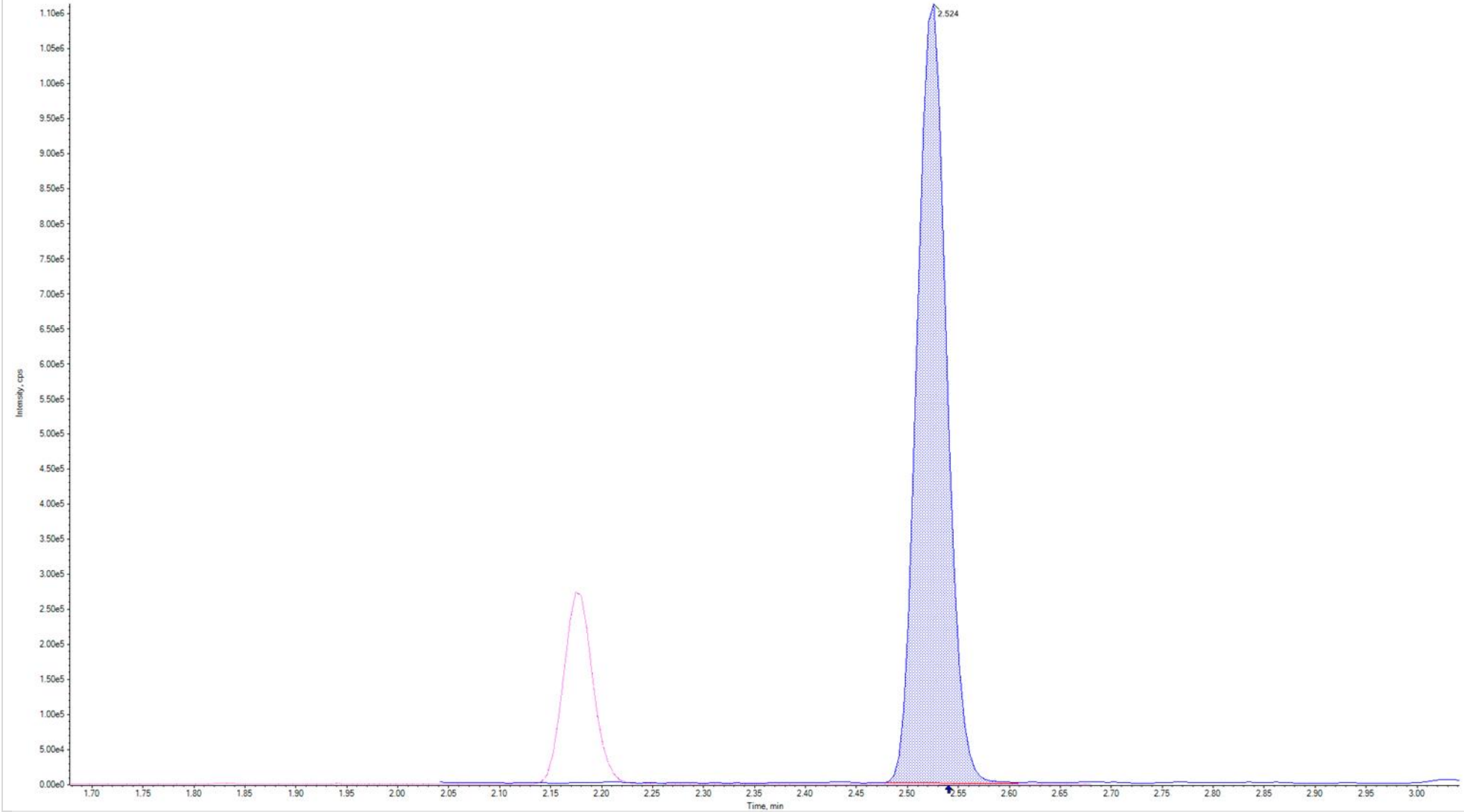
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

7:3FTCA_2
Sample: WG2011107-4 S/N:4025.5 Points Across peak:31



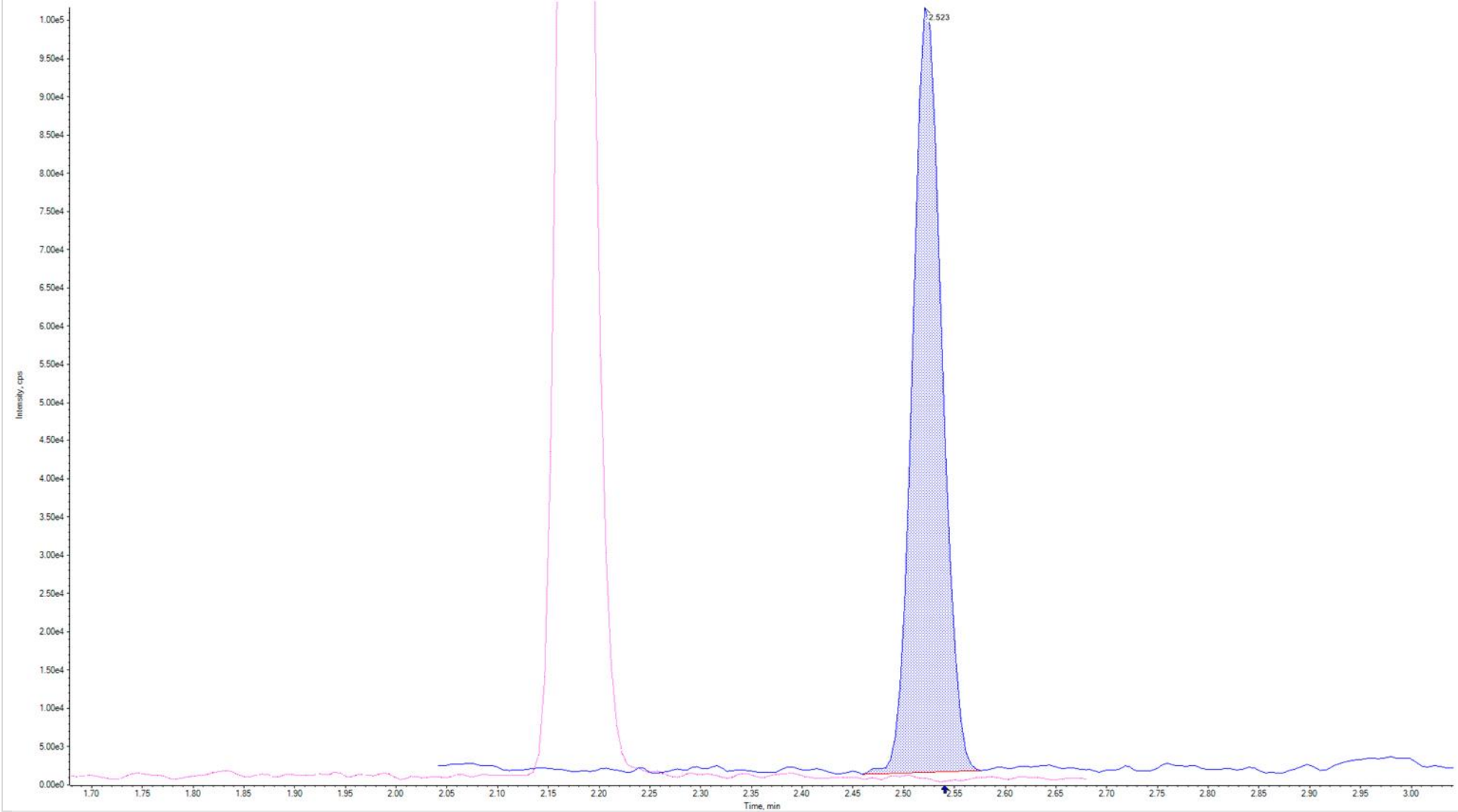
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFEESA
Sample: WG2011107-4 S/N:1583.6 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFEESA_2
Sample: WG2011107-4 S/N:522.4 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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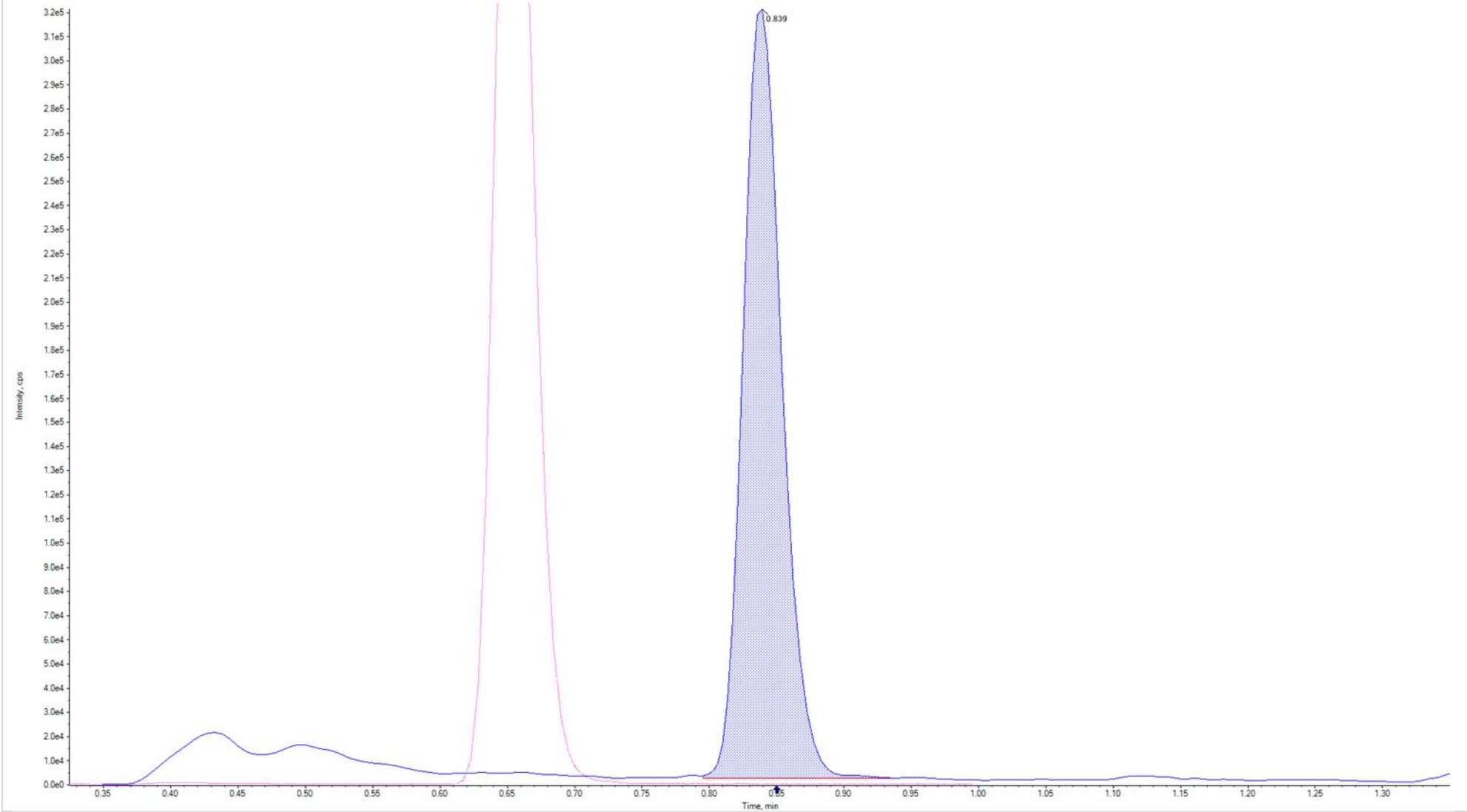
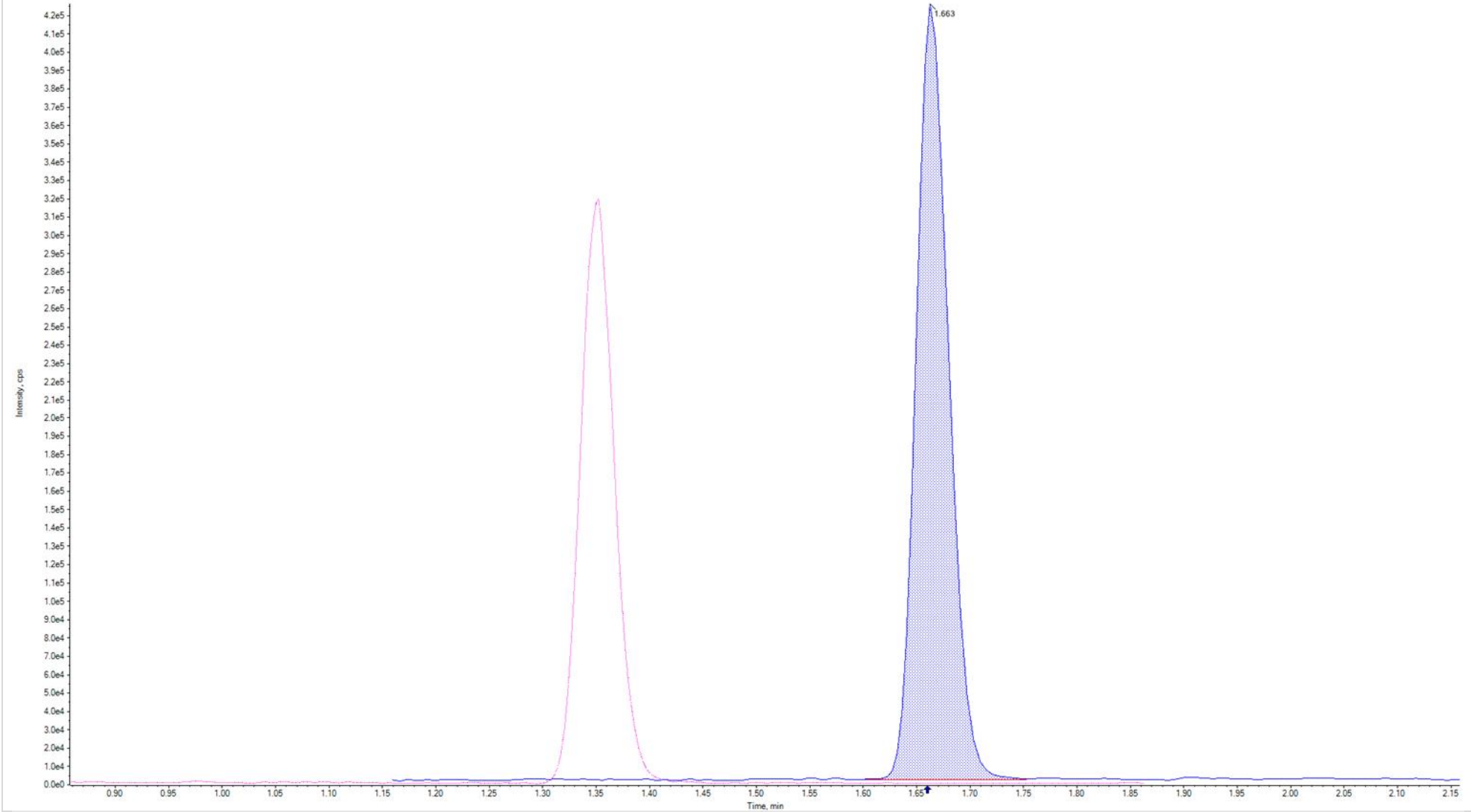
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFMPA
Sample: WG2011107-4 S/N:2927.5 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFMBA
Sample: WG2011107-4 S/N:1386.1 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
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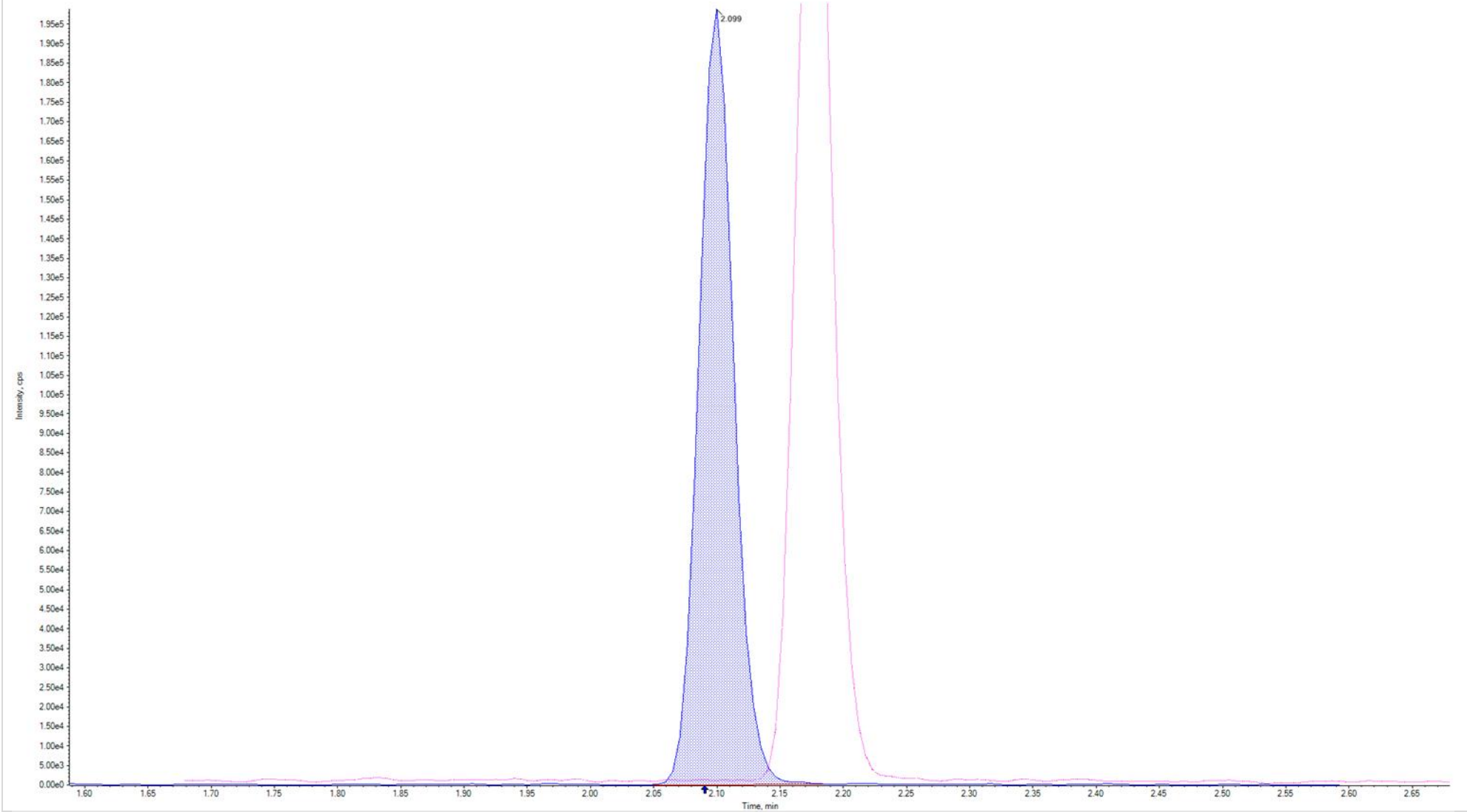
NFDHA
Sample: WG2011107-4 S/N:5481.1 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
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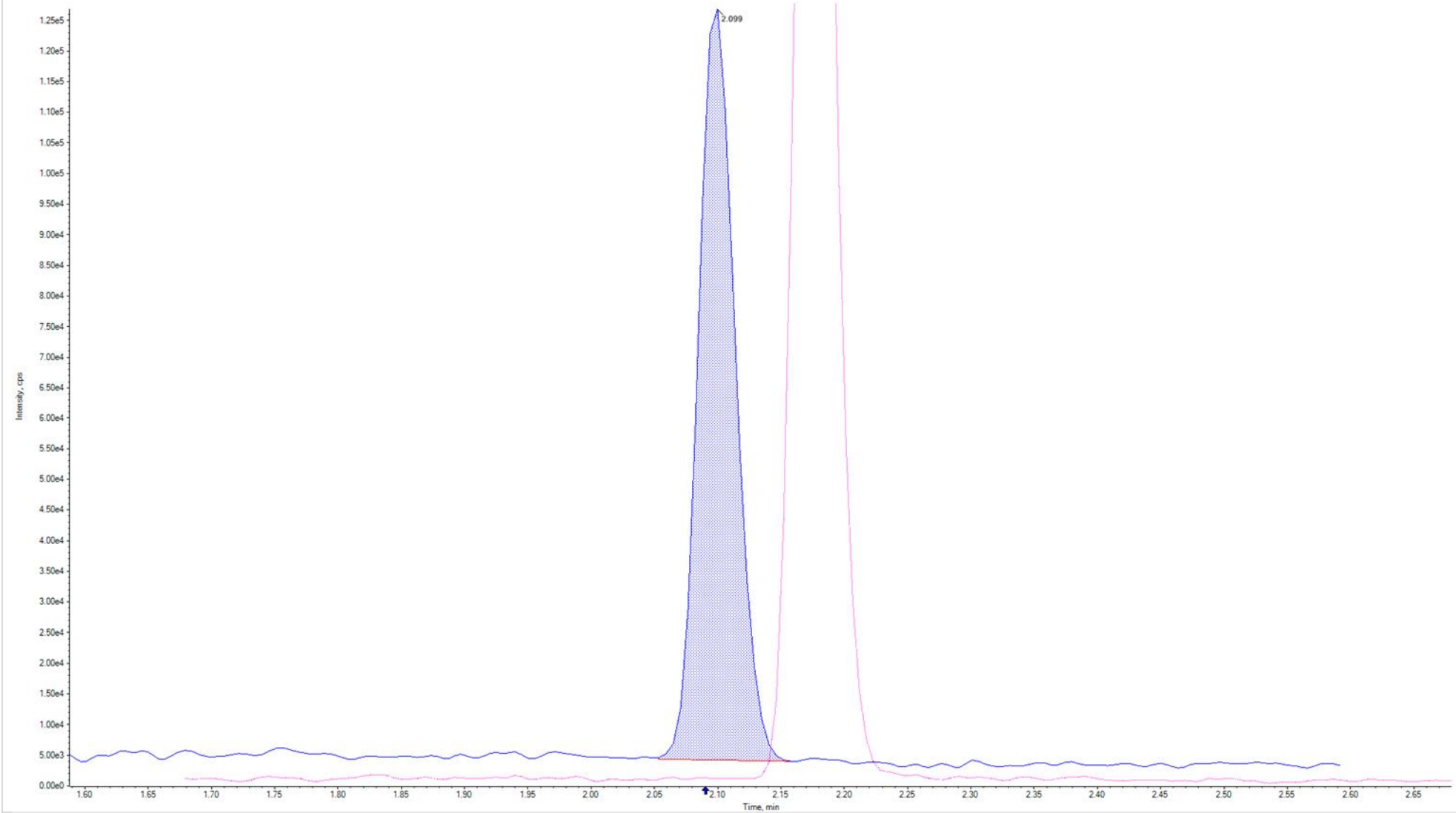
NFDHA_2
Sample: WG2011107-4 S/N:401.4 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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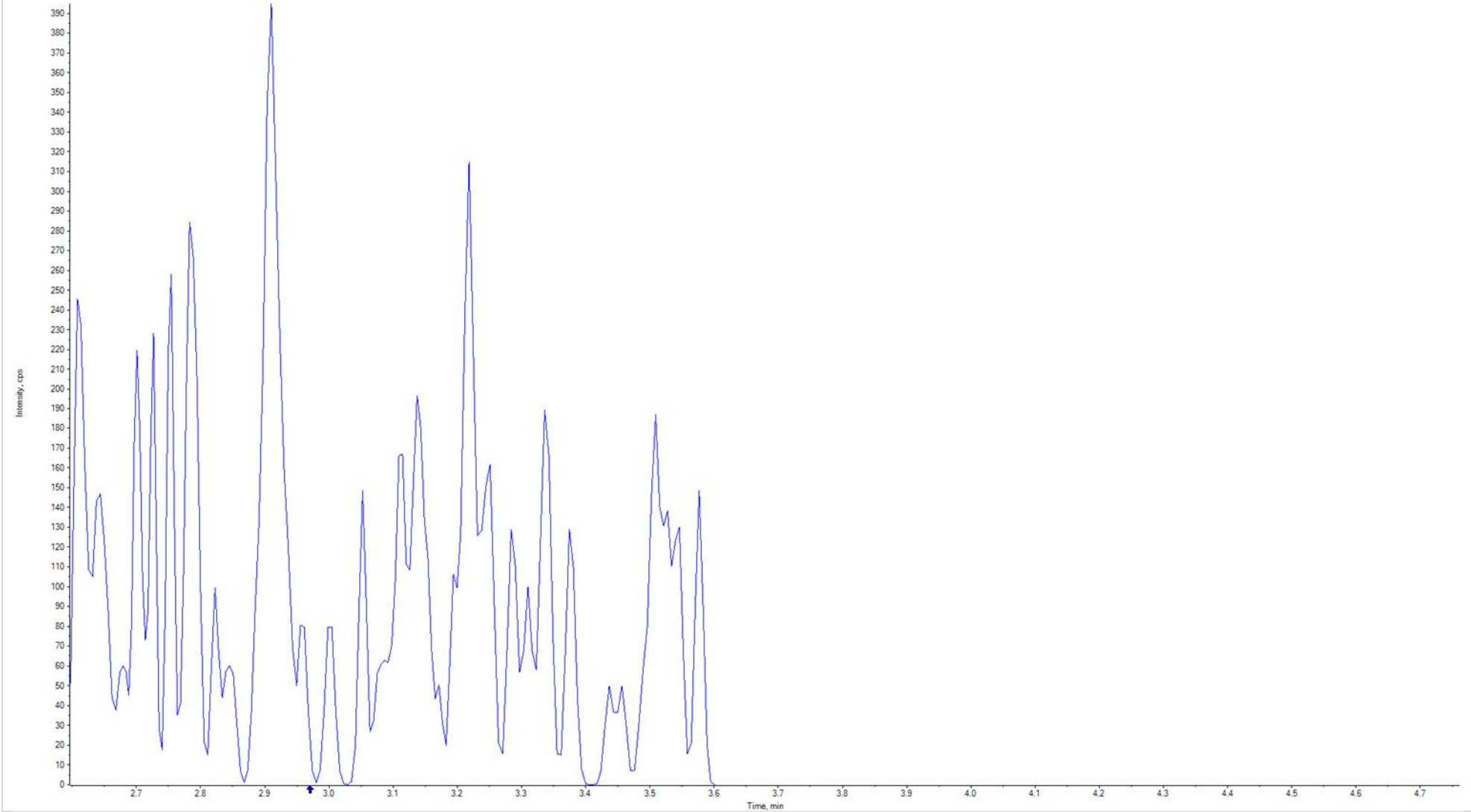
Generated: 12/19/2024 2:27:31 PM

TDCA
Sample: WG2011107-4 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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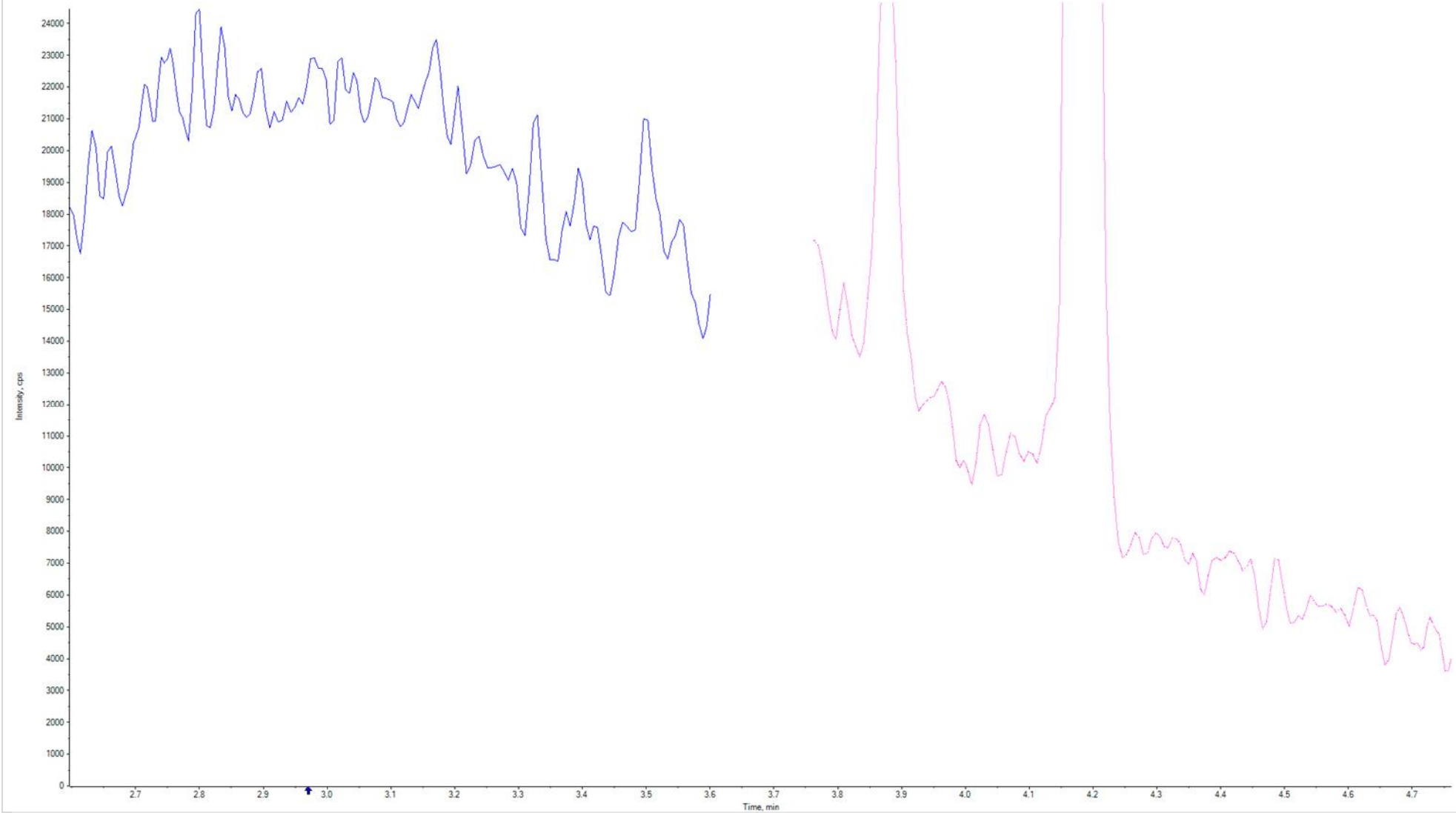
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

TDCA_2
Sample: WG2011107-4 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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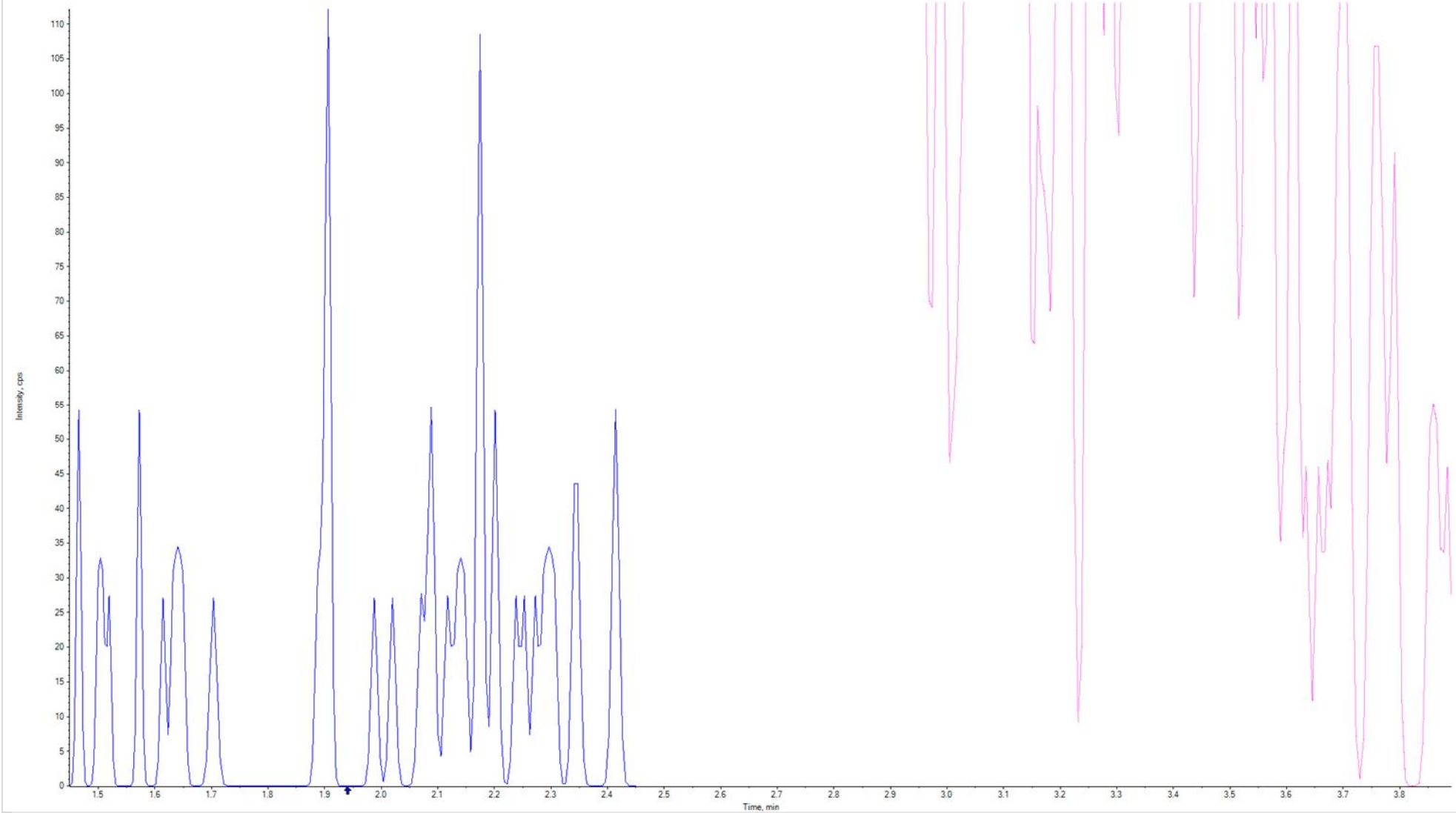
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

13C2D4-4:2FTS
Sample: WG2011107-4 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 7:33:21 AM
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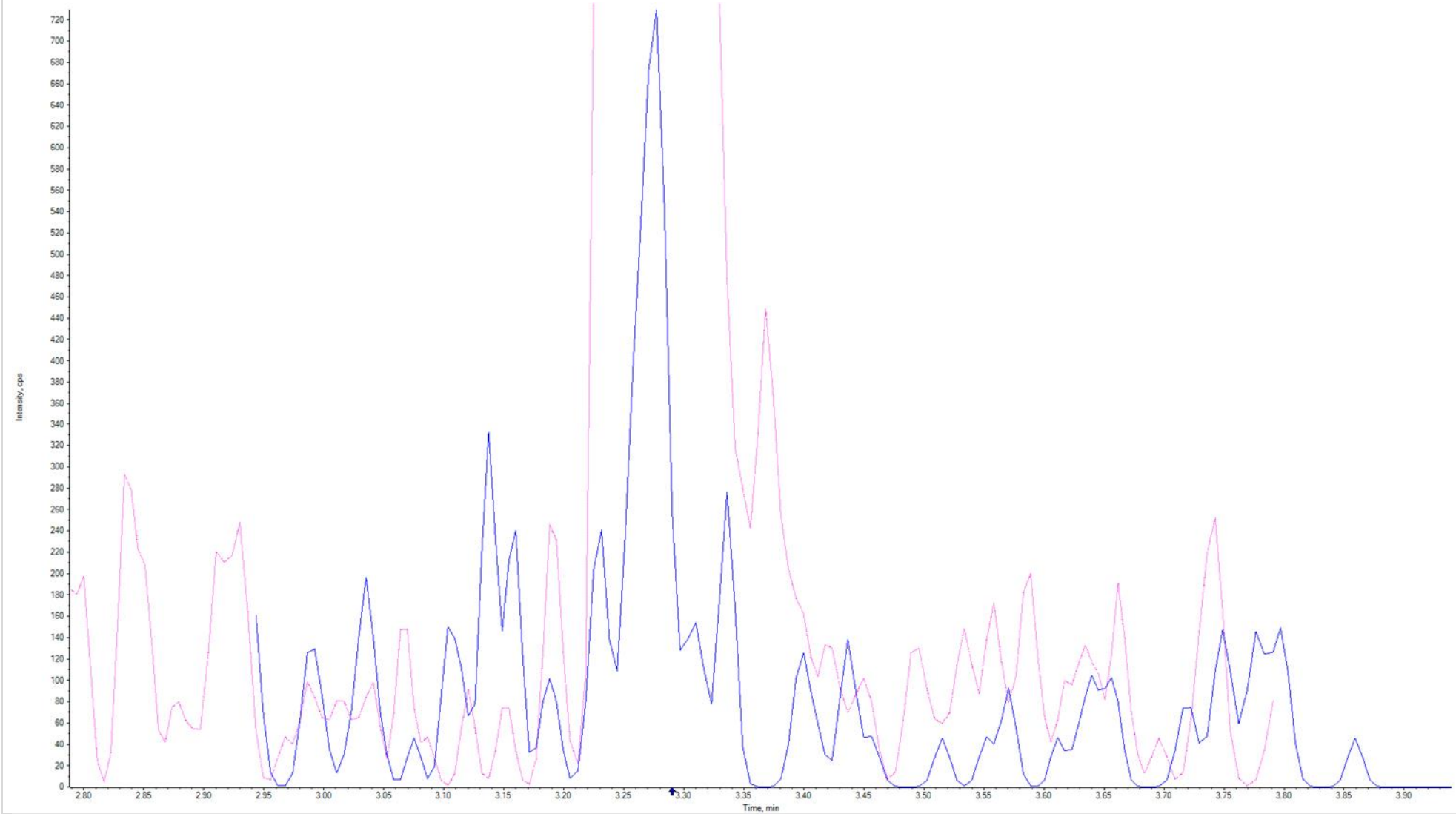
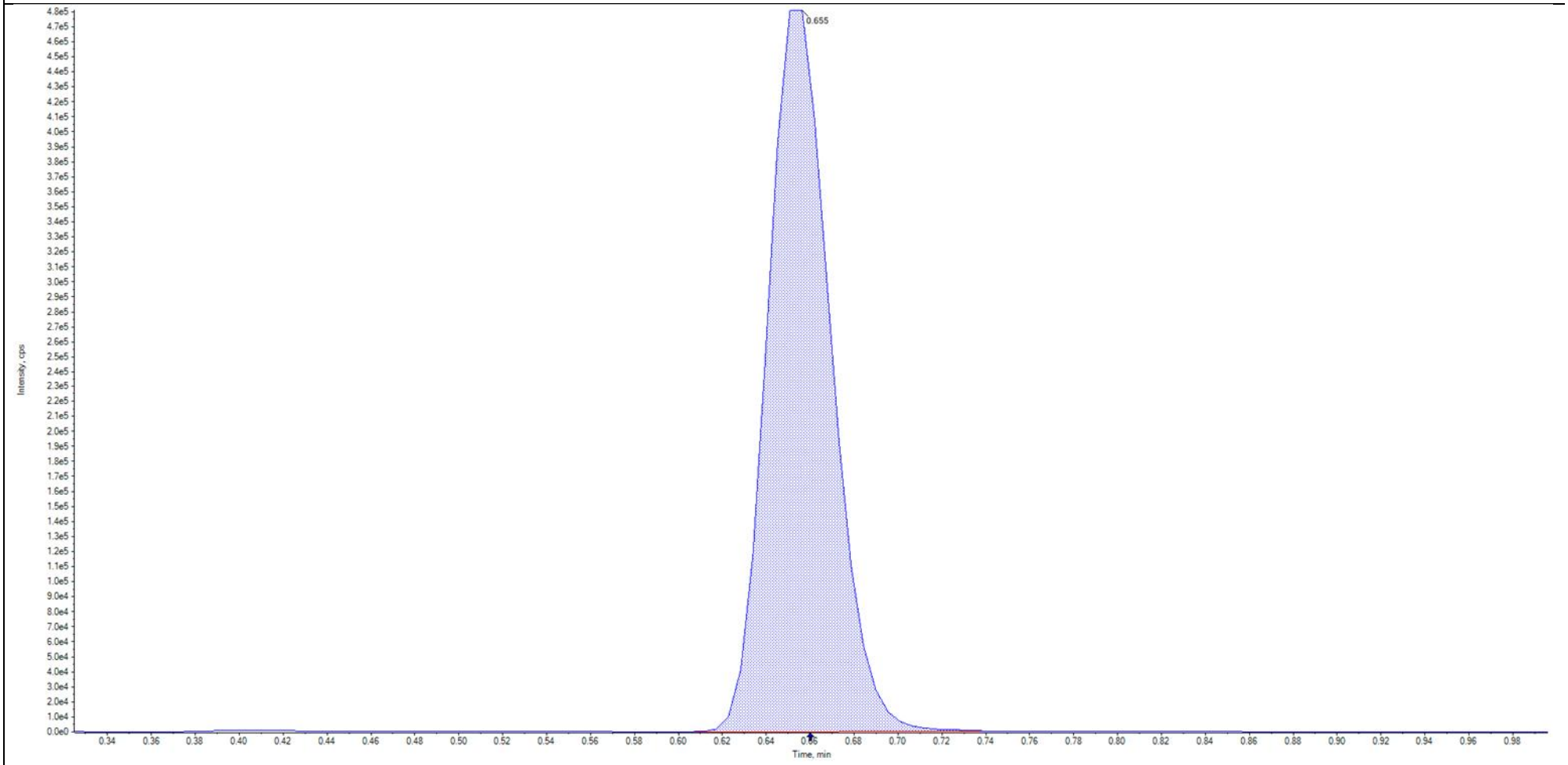
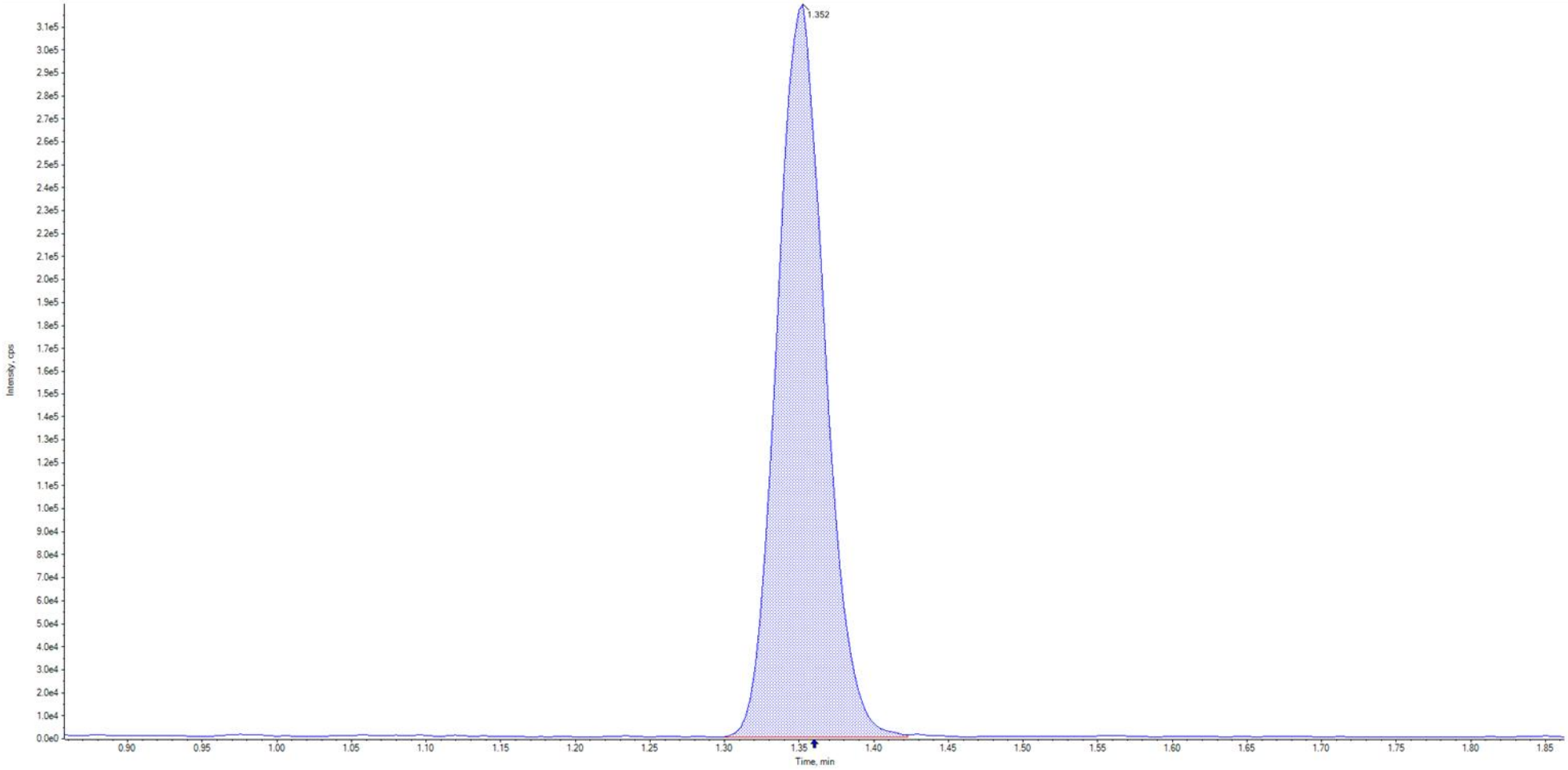
13C2-PFOA
Sample: WG2011107-4 S/N:N/A Points Across peak:N/A



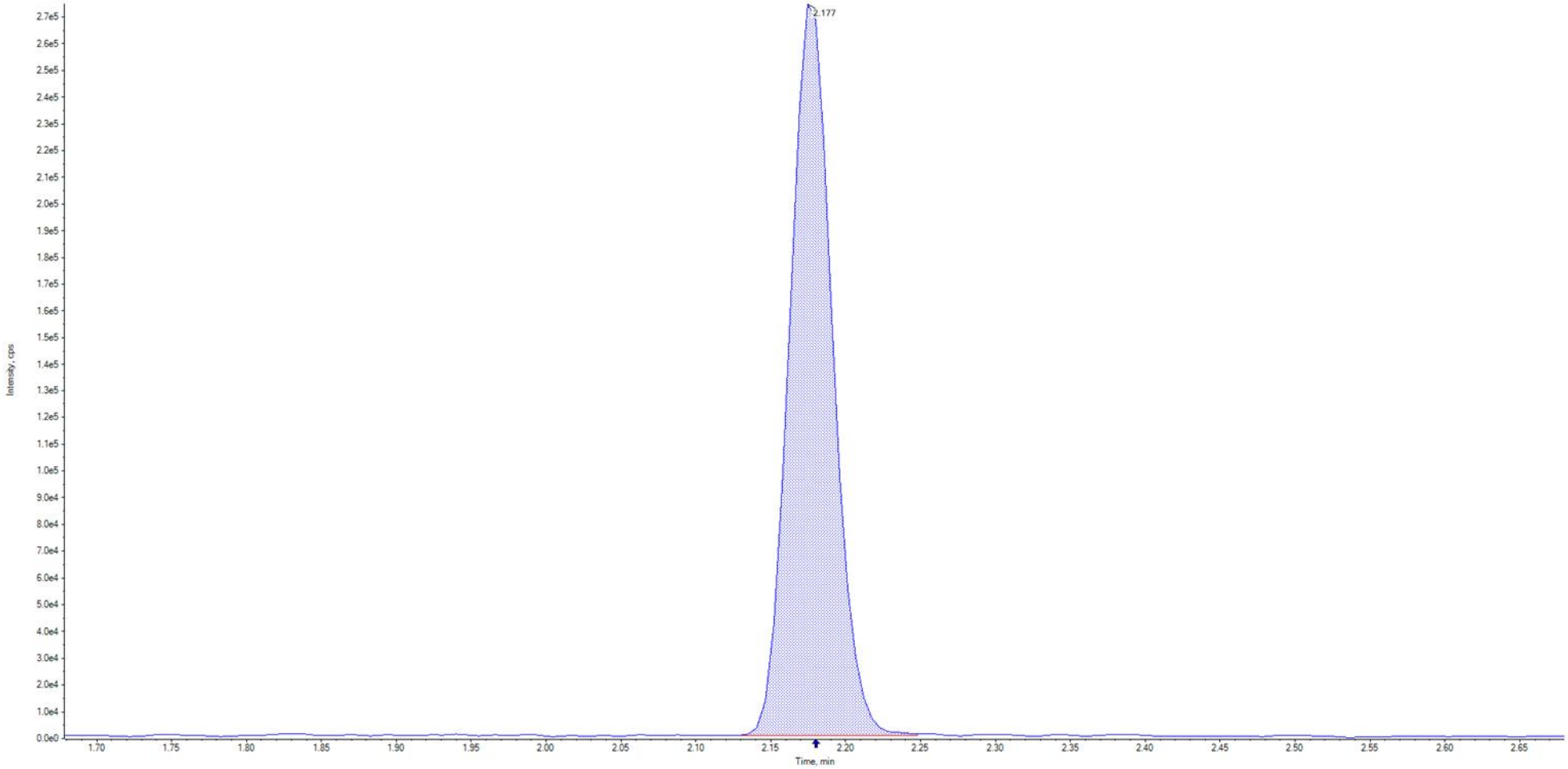
13C4-PFBA
Sample: WG2011107-4



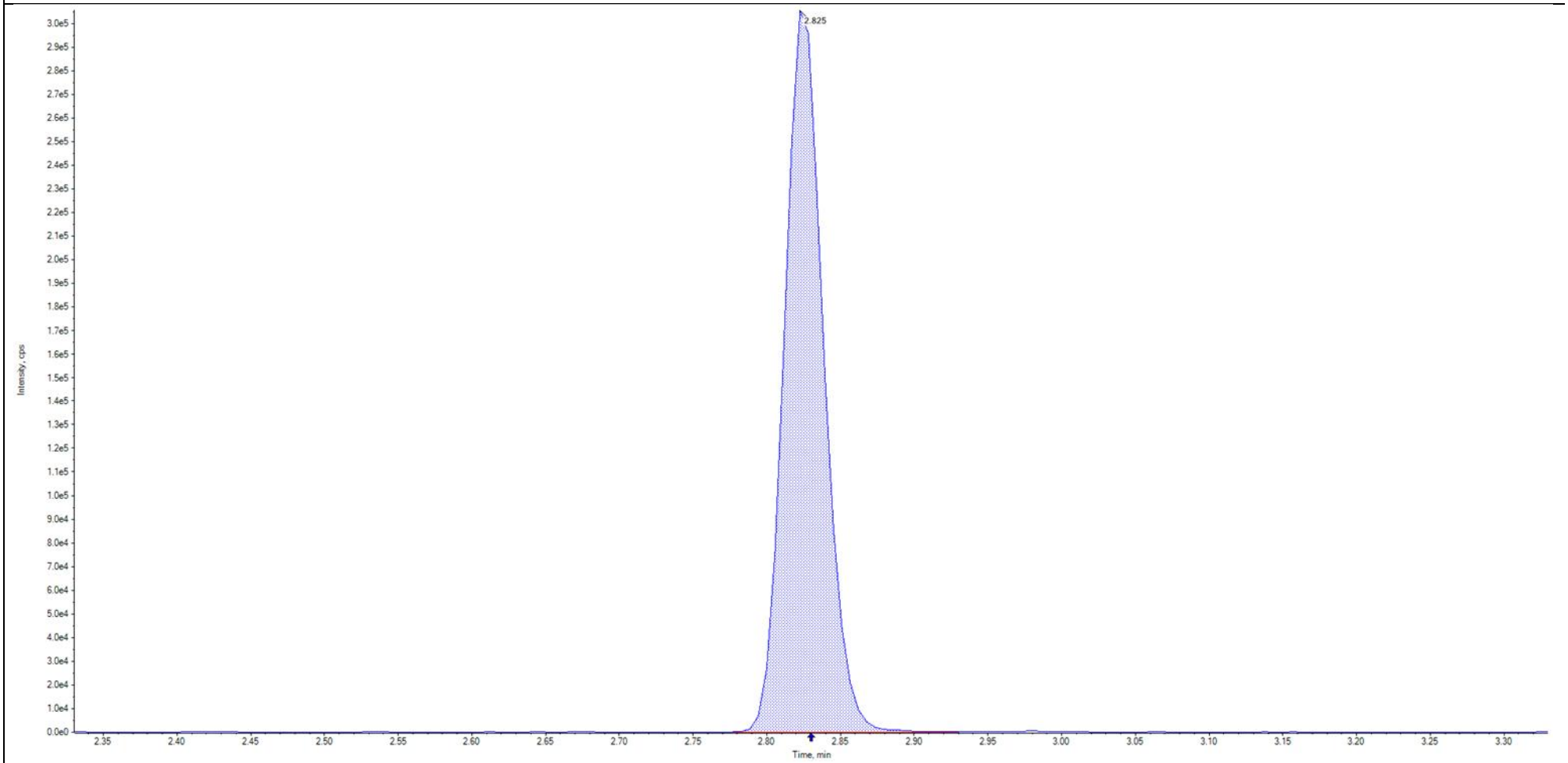
13C5-PFPeA
Sample: WG2011107-4



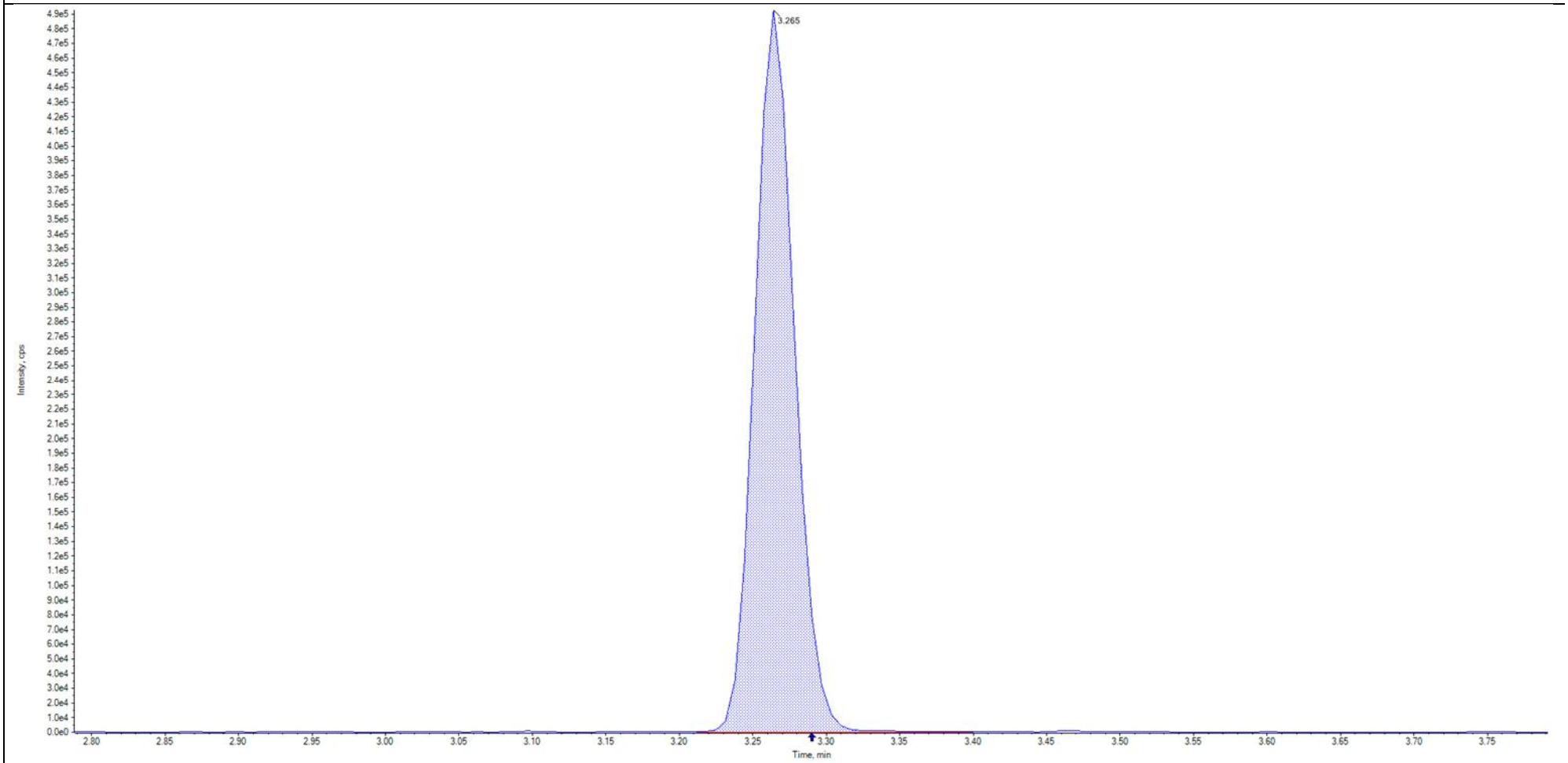
13C5-PFHxA
Sample: WG2011107-4



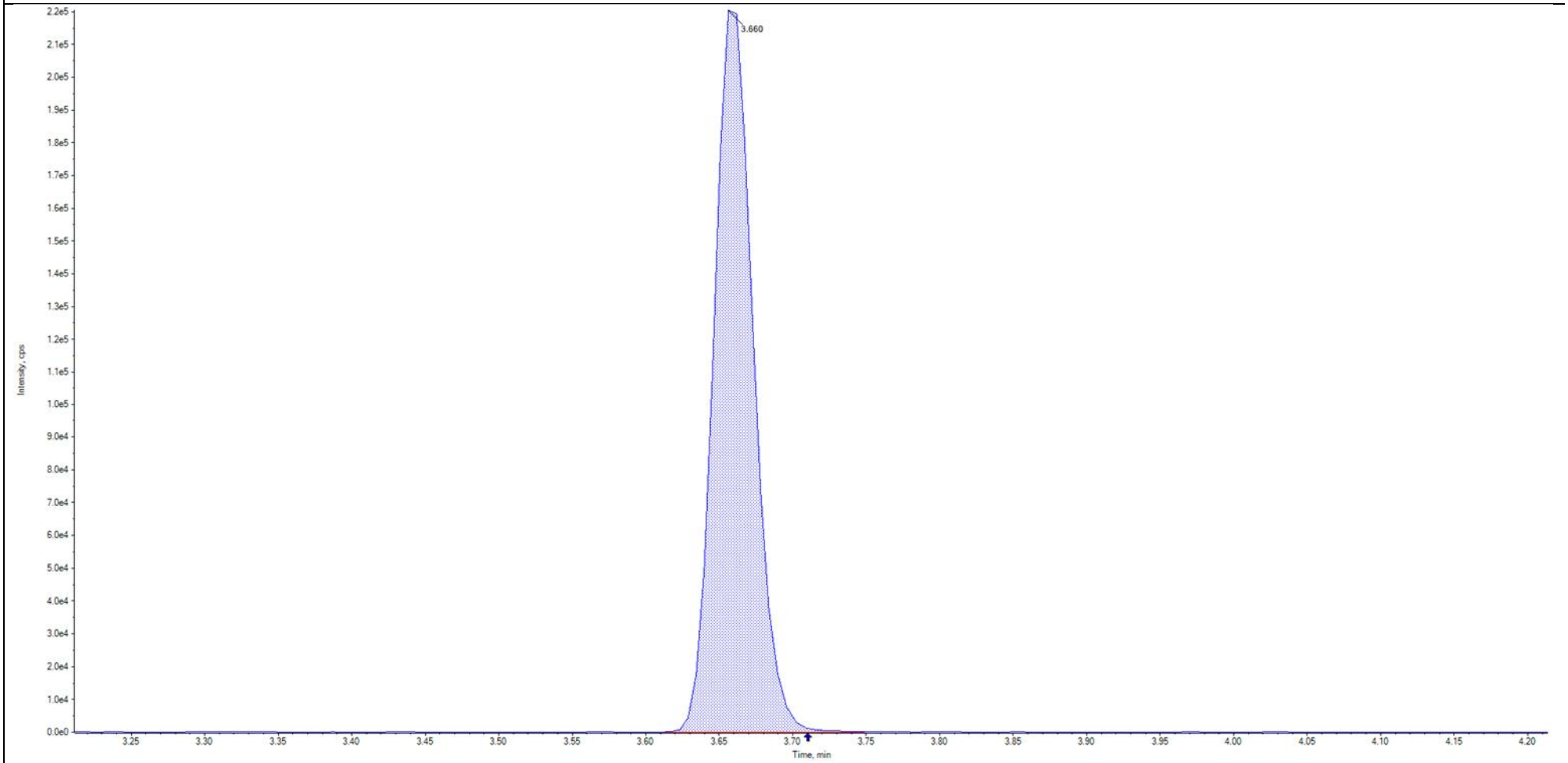
13C4-PFHpA
Sample: WG2011107-4



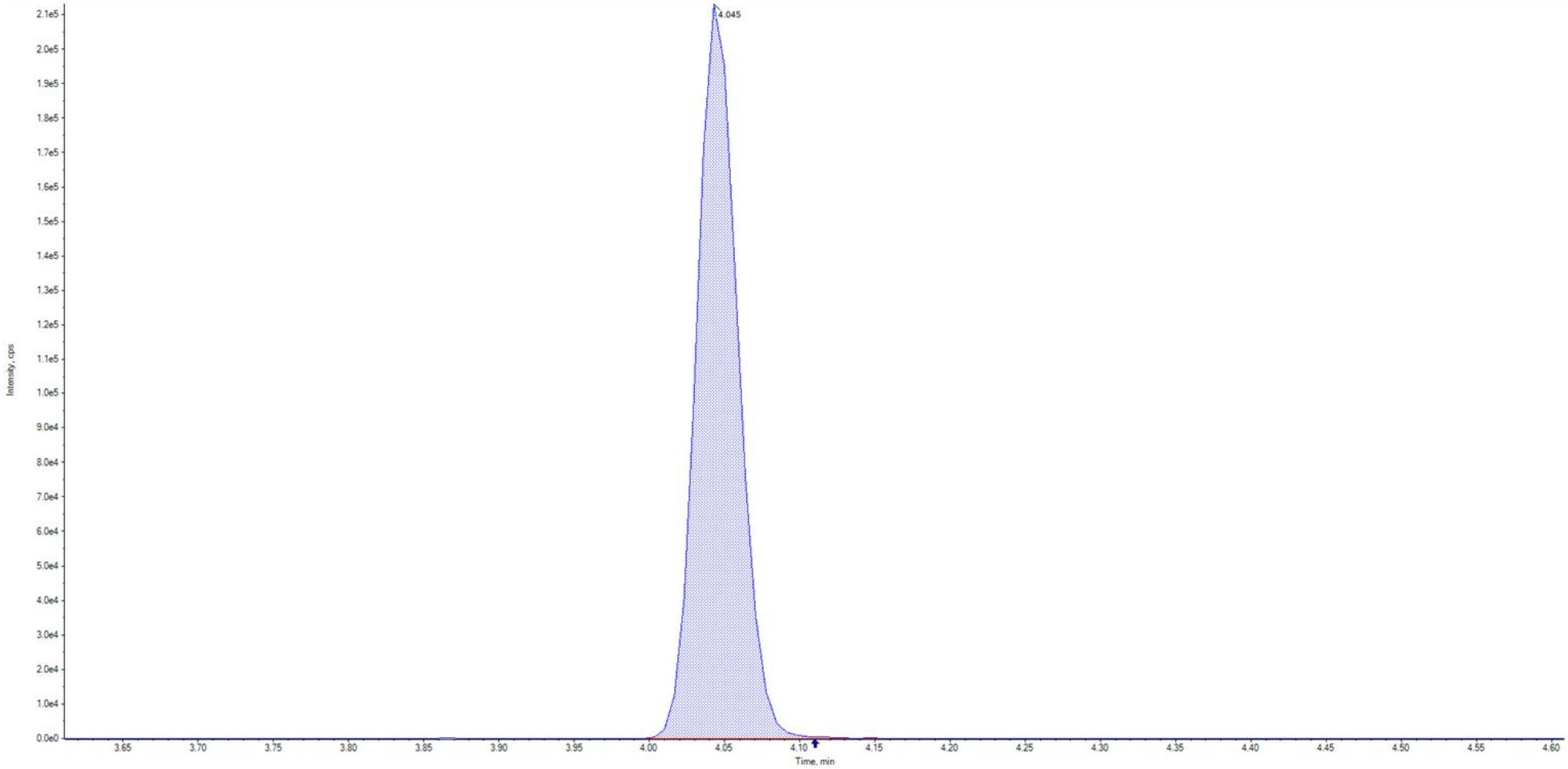
13C8-PFOA
Sample: WG2011107-4



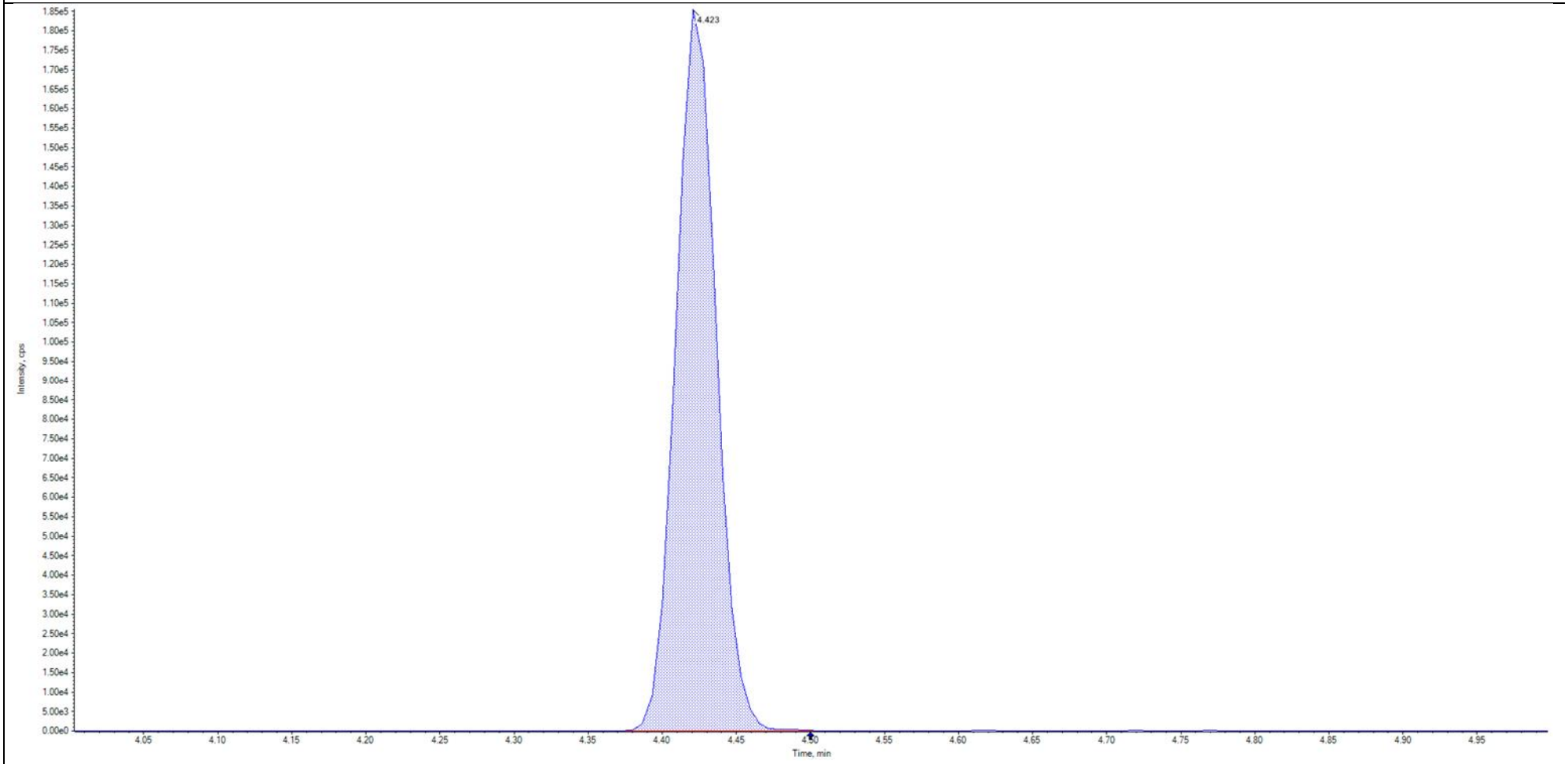
13C9-PFNA
Sample: WG2011107-4



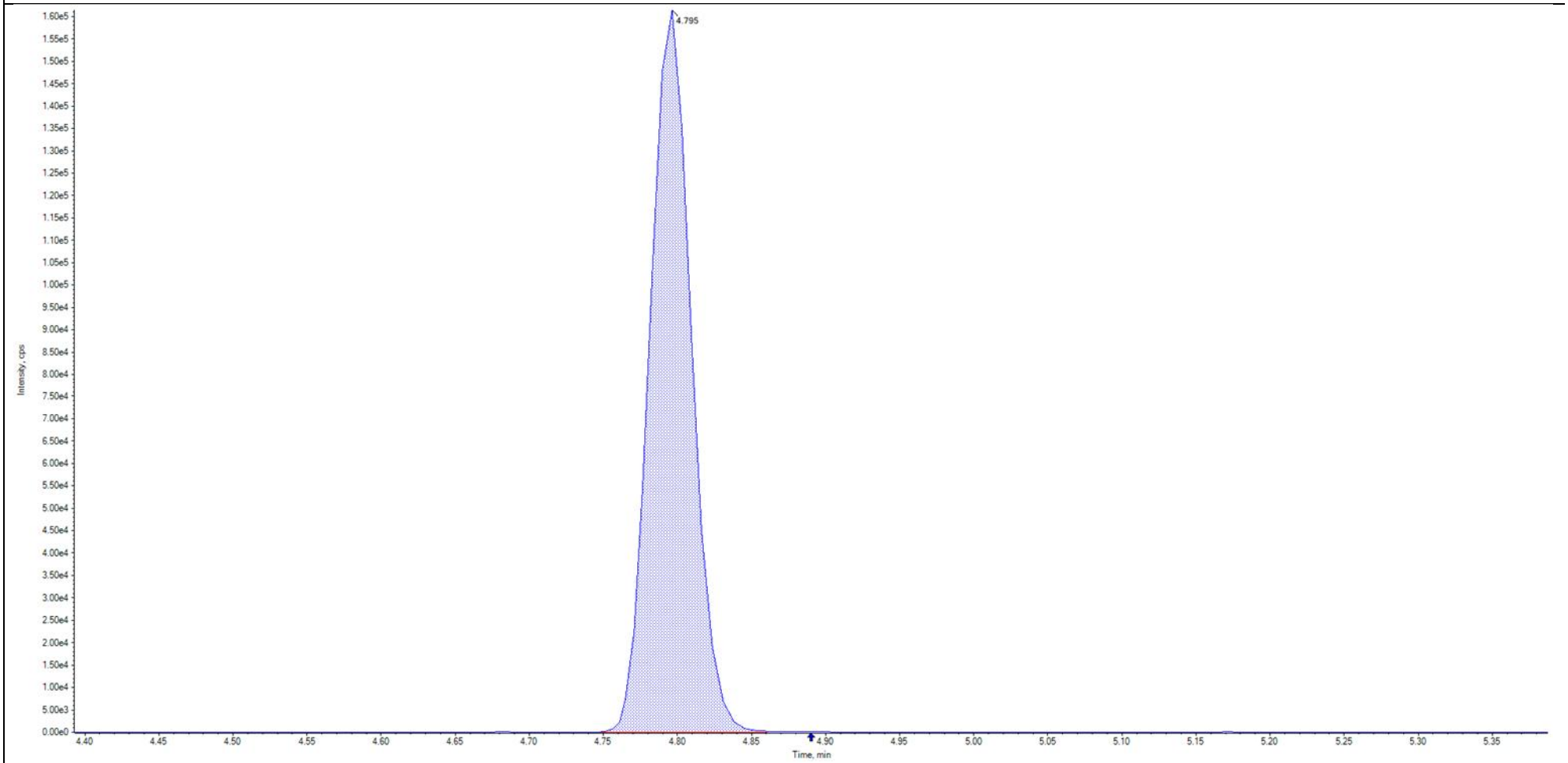
13C6-PFDA
Sample: WG2011107-4



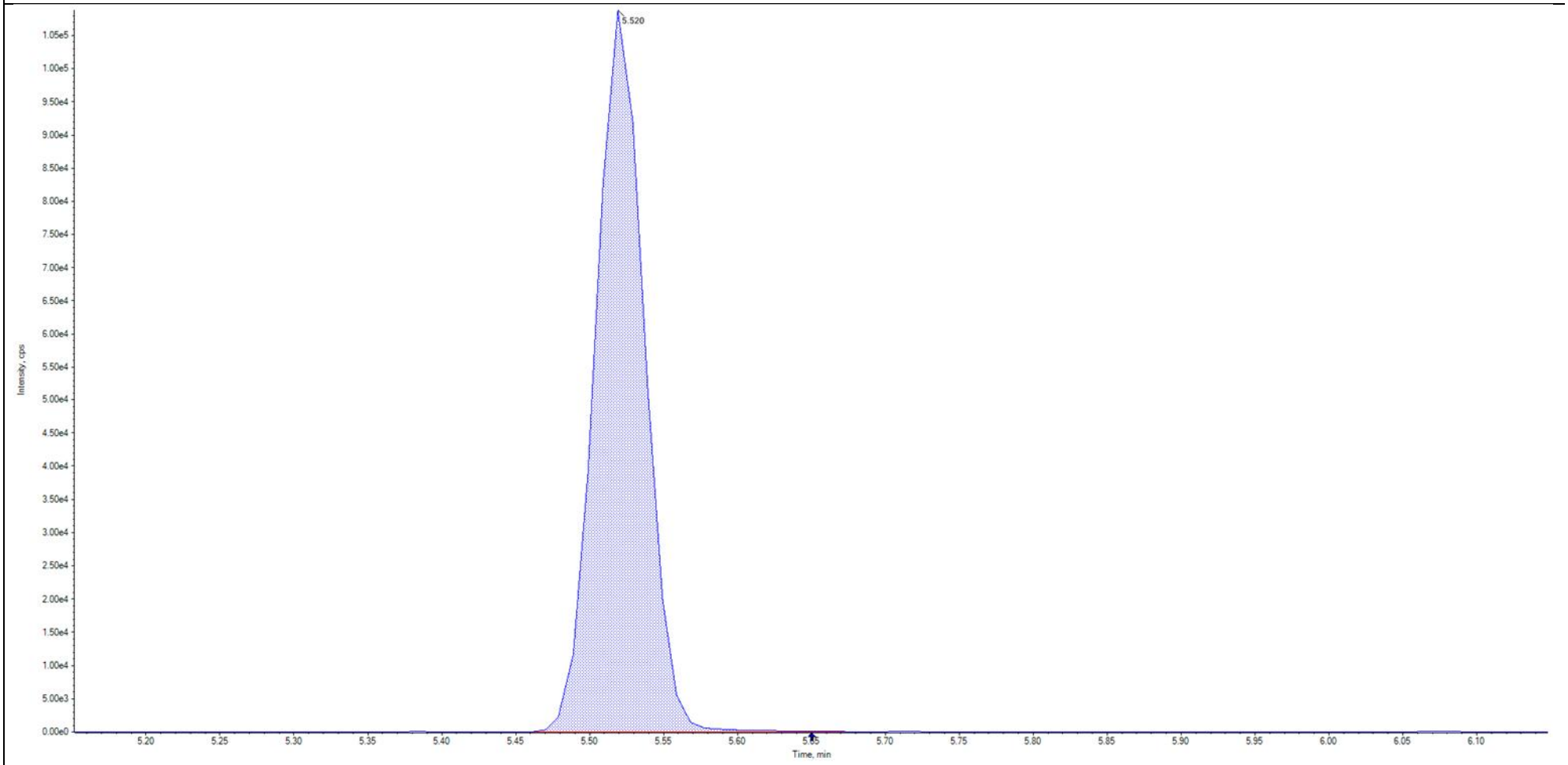
13C7-PFUnA
Sample: WG2011107-4



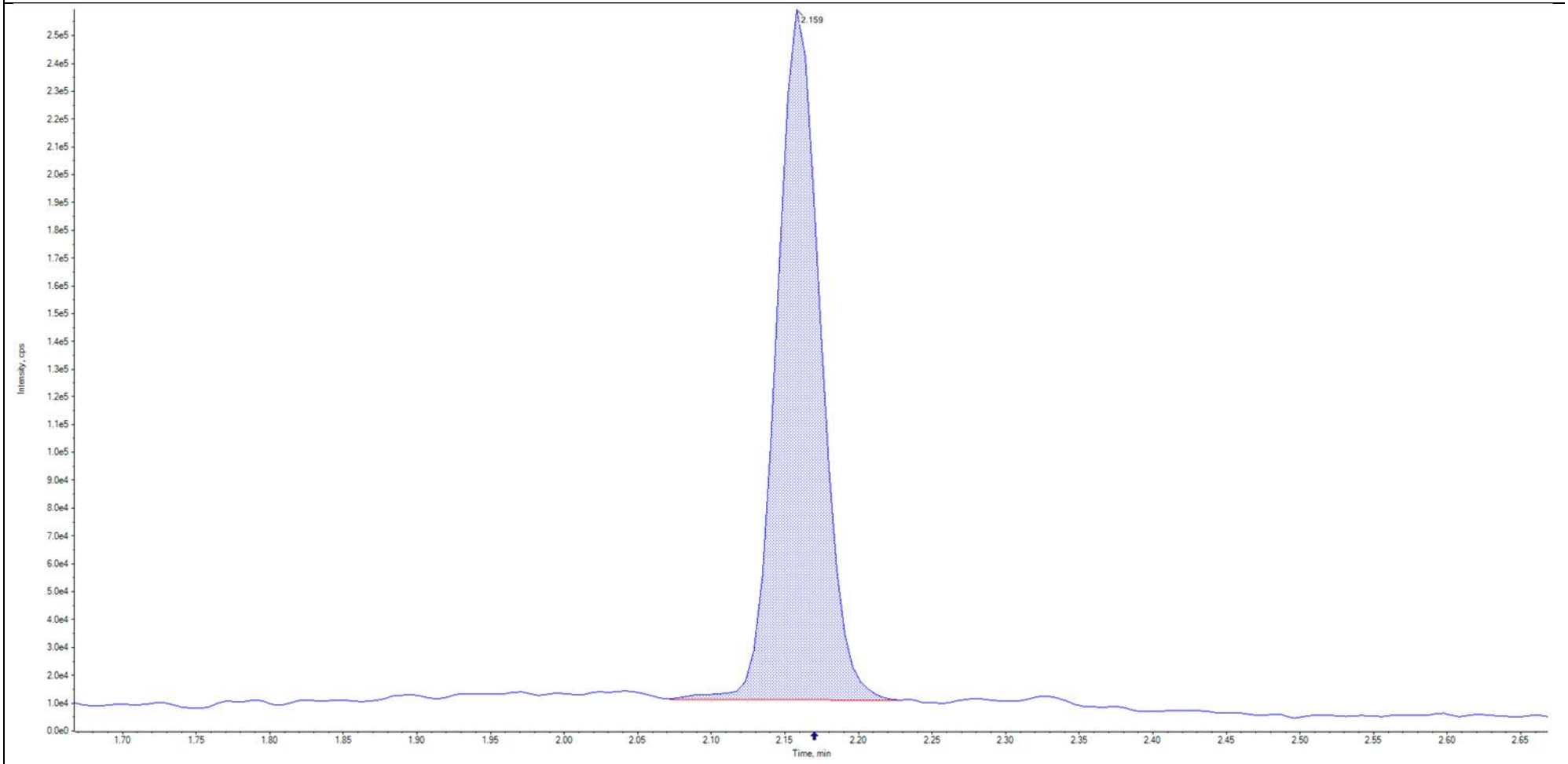
13C2-PFDoA
Sample: WG2011107-4



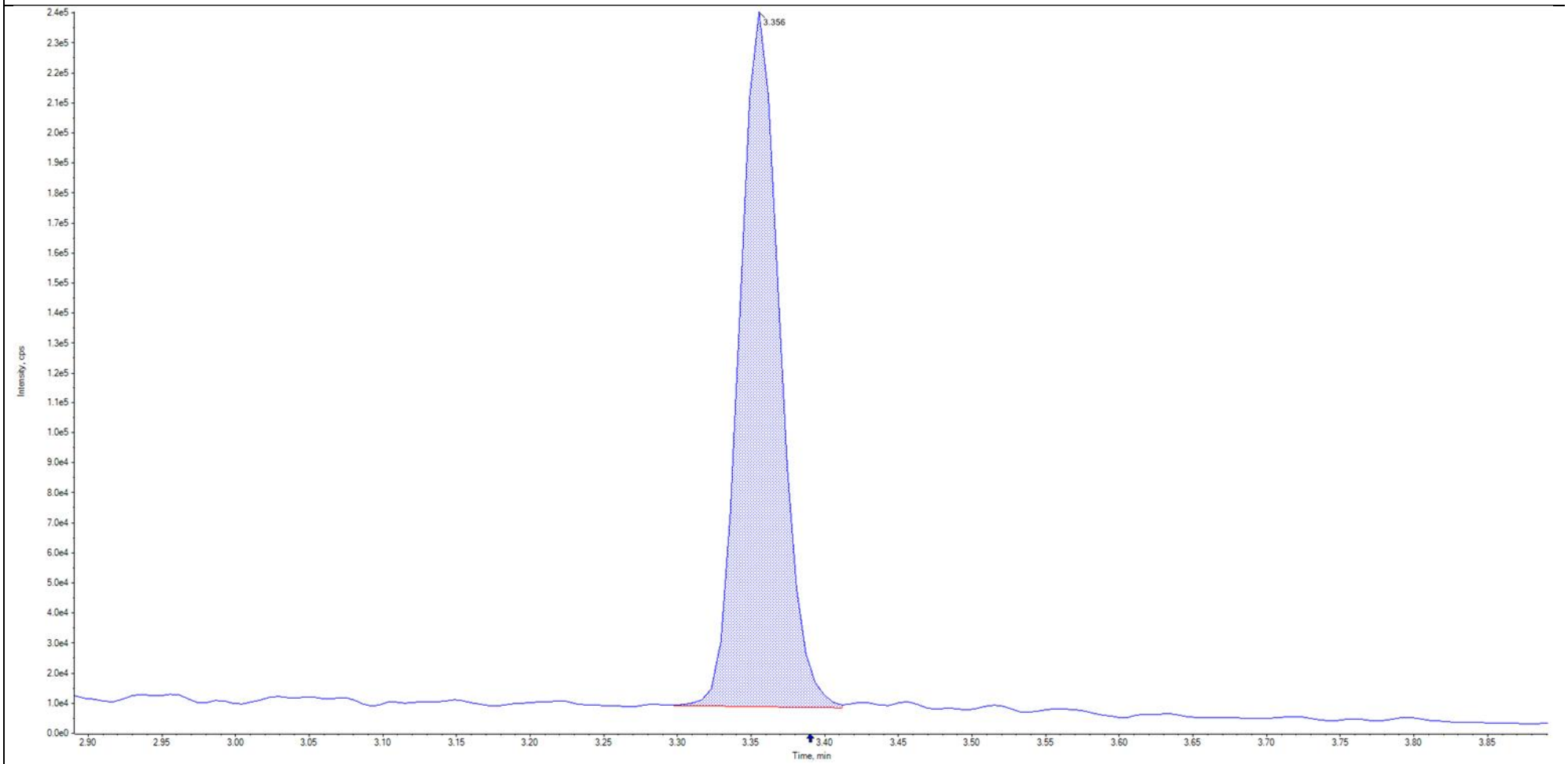
13C2-PFTeDA
Sample: WG2011107-4



13C3-PFBS
Sample: WG2011107-4

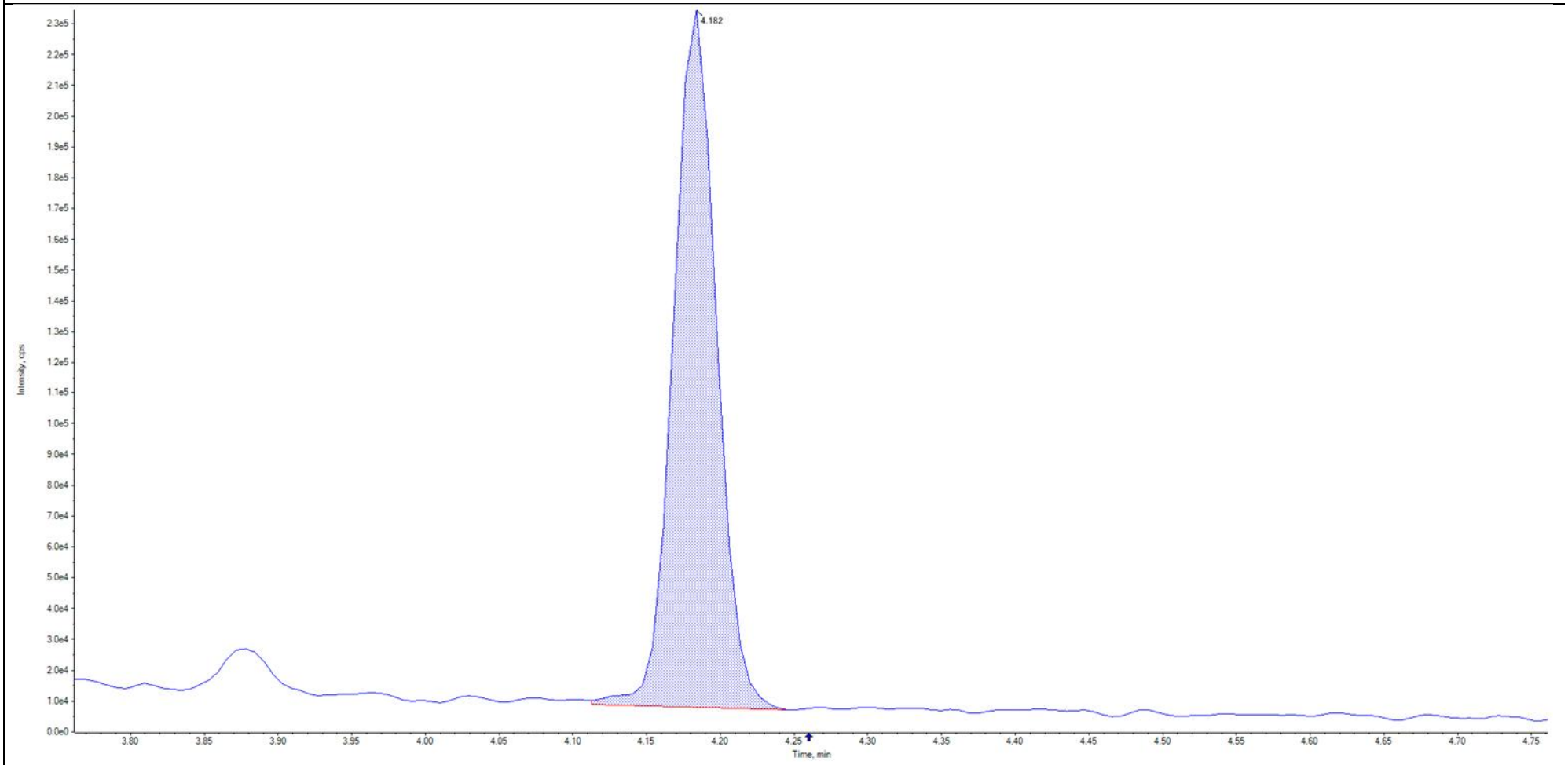


13C3-PFHxS
Sample: WG2011107-4

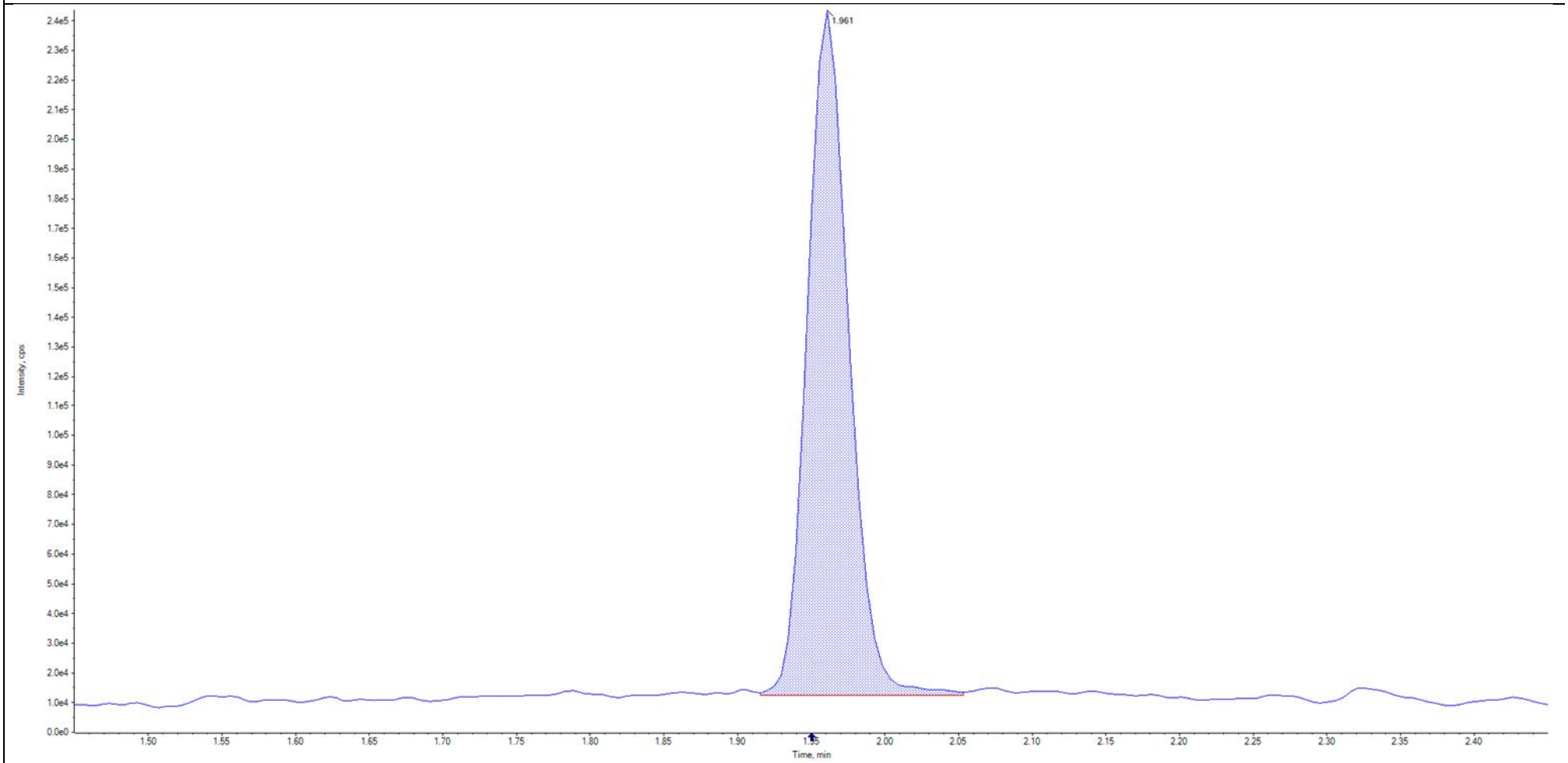


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

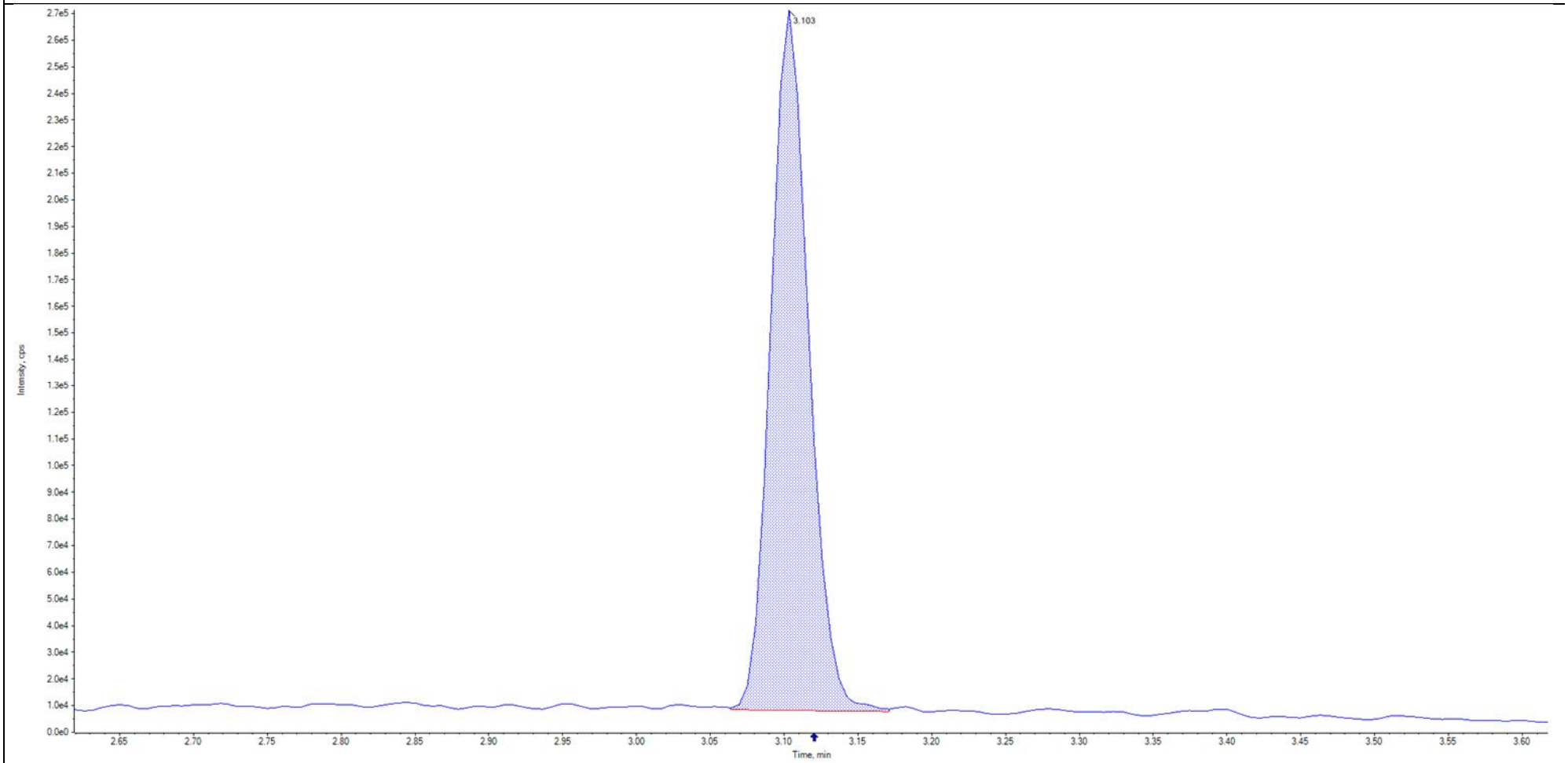
13C8-PFOS
Sample: WG2011107-4



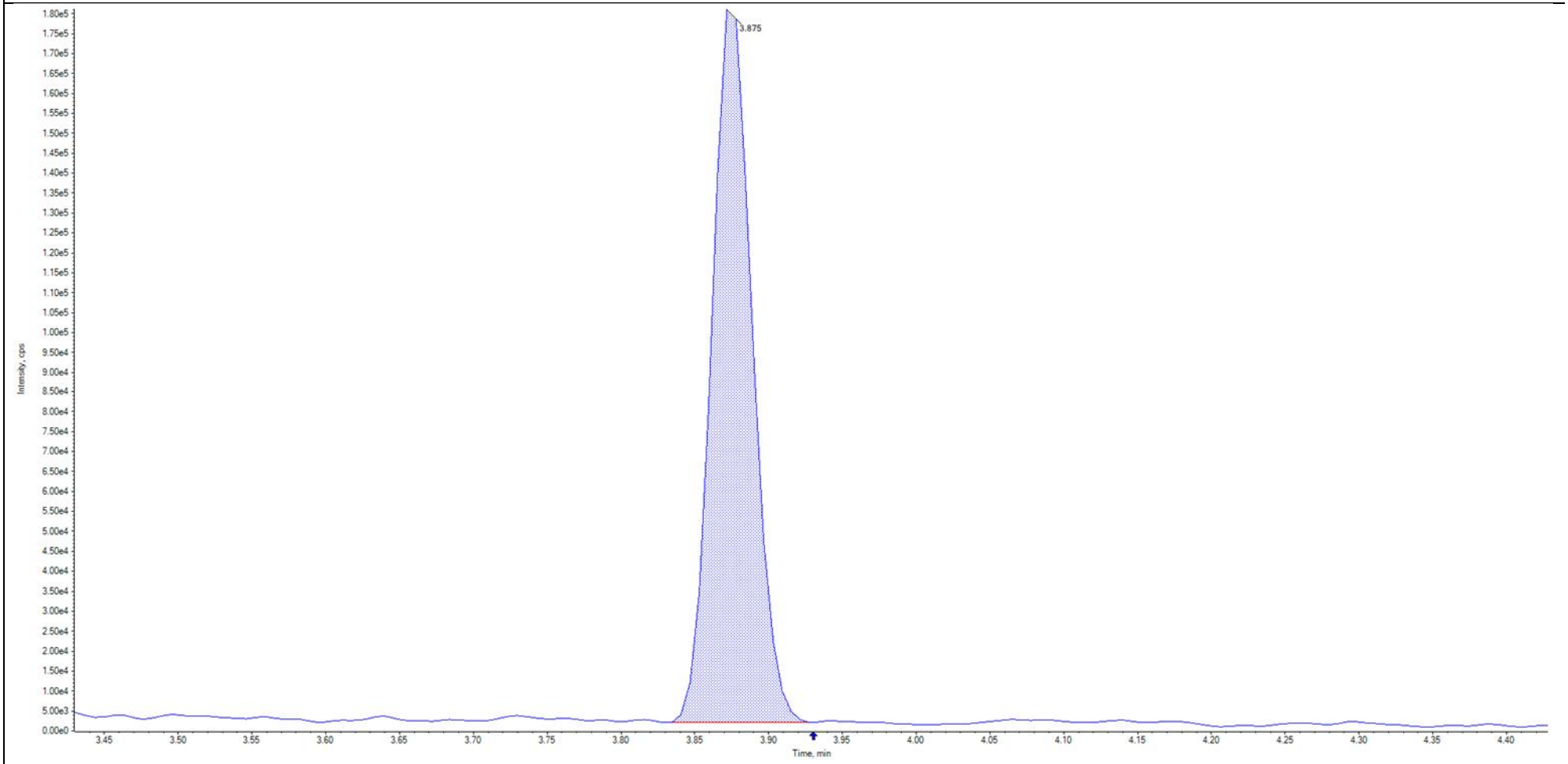
13C2-4:2FTS
Sample: WG2011107-4



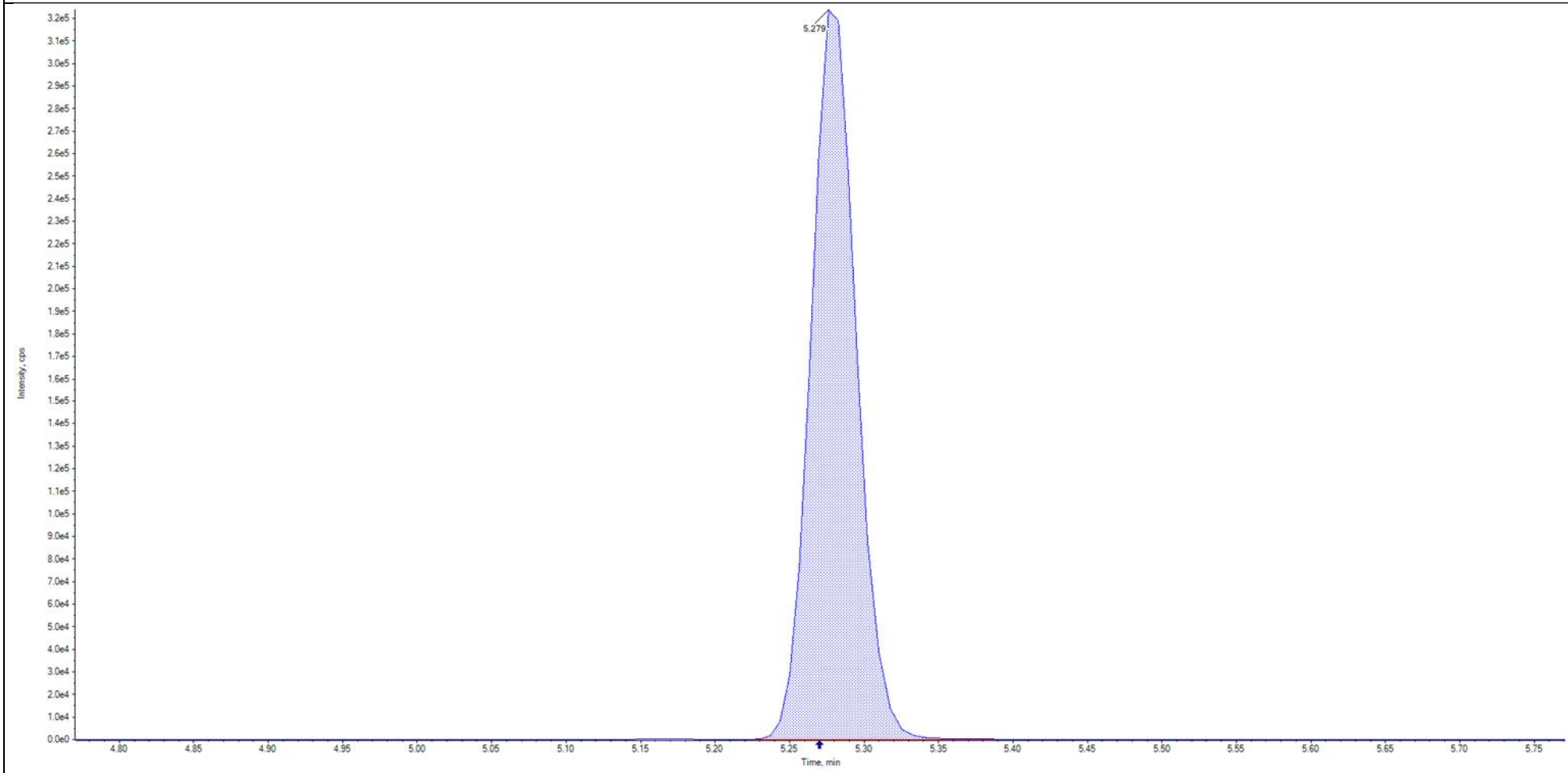
13C2-6:2FTS
Sample: WG2011107-4



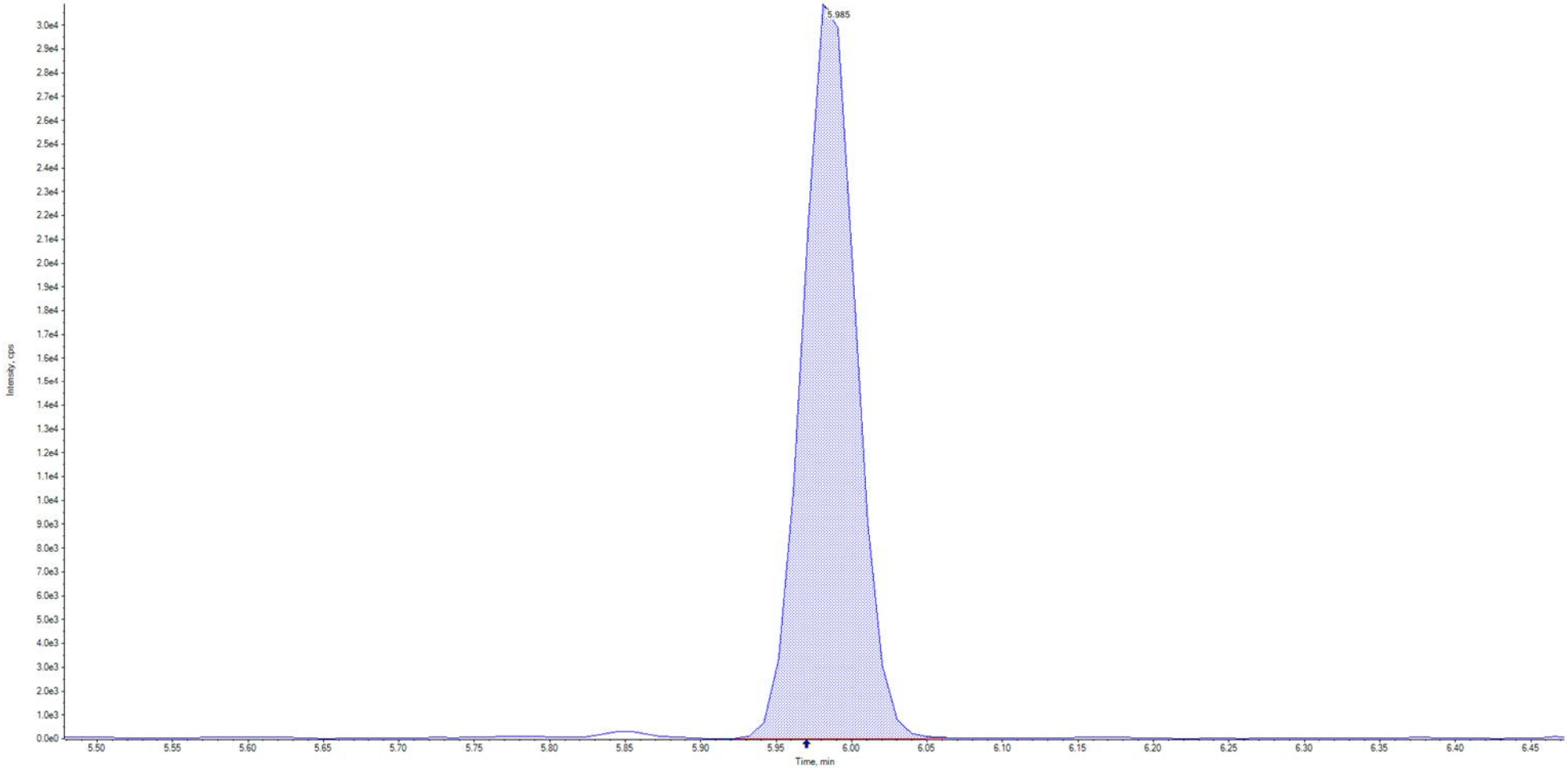
13C2-8:2FTS
Sample: WG2011107-4



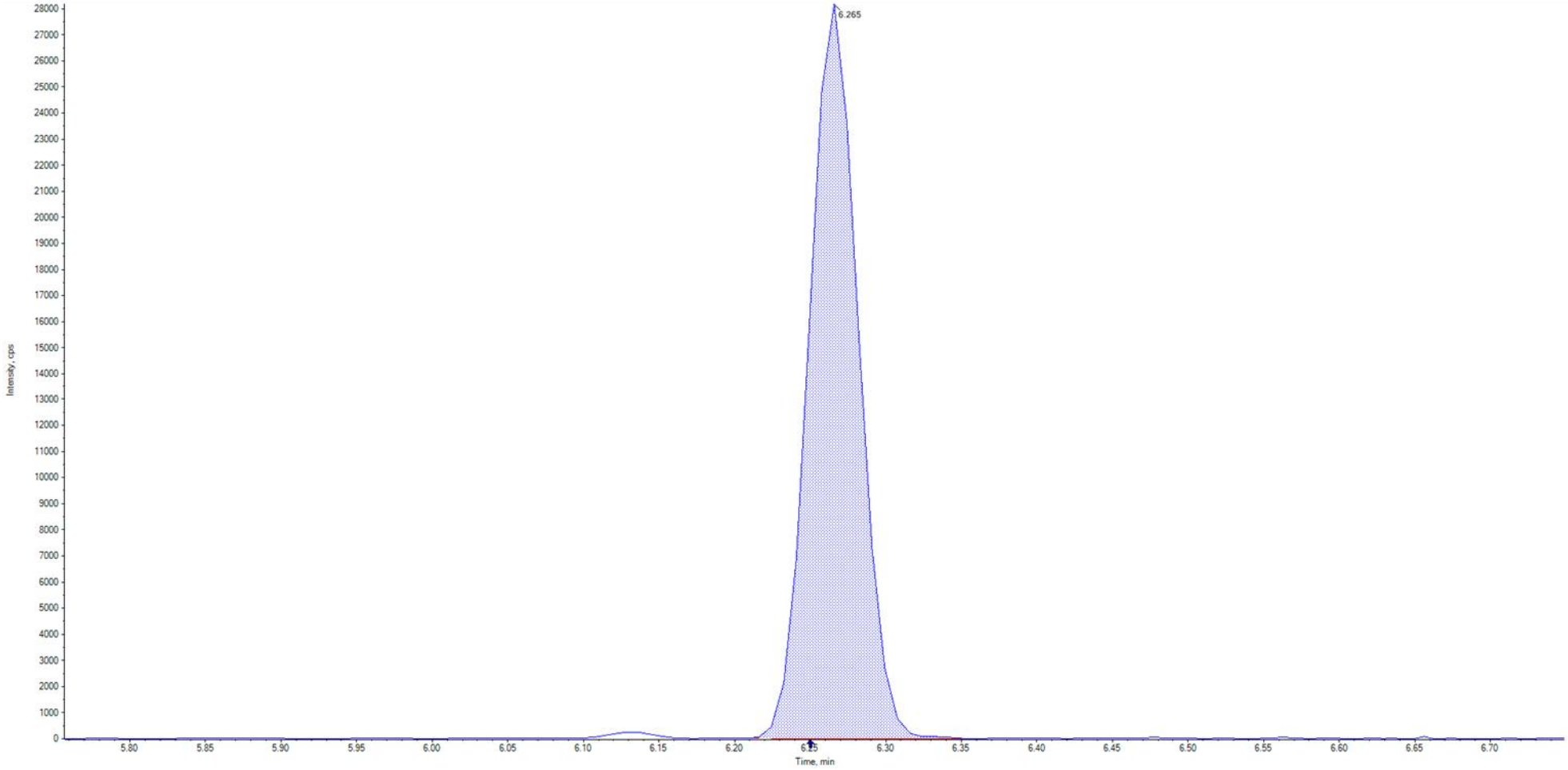
13C8-PFOSA
Sample: WG2011107-4



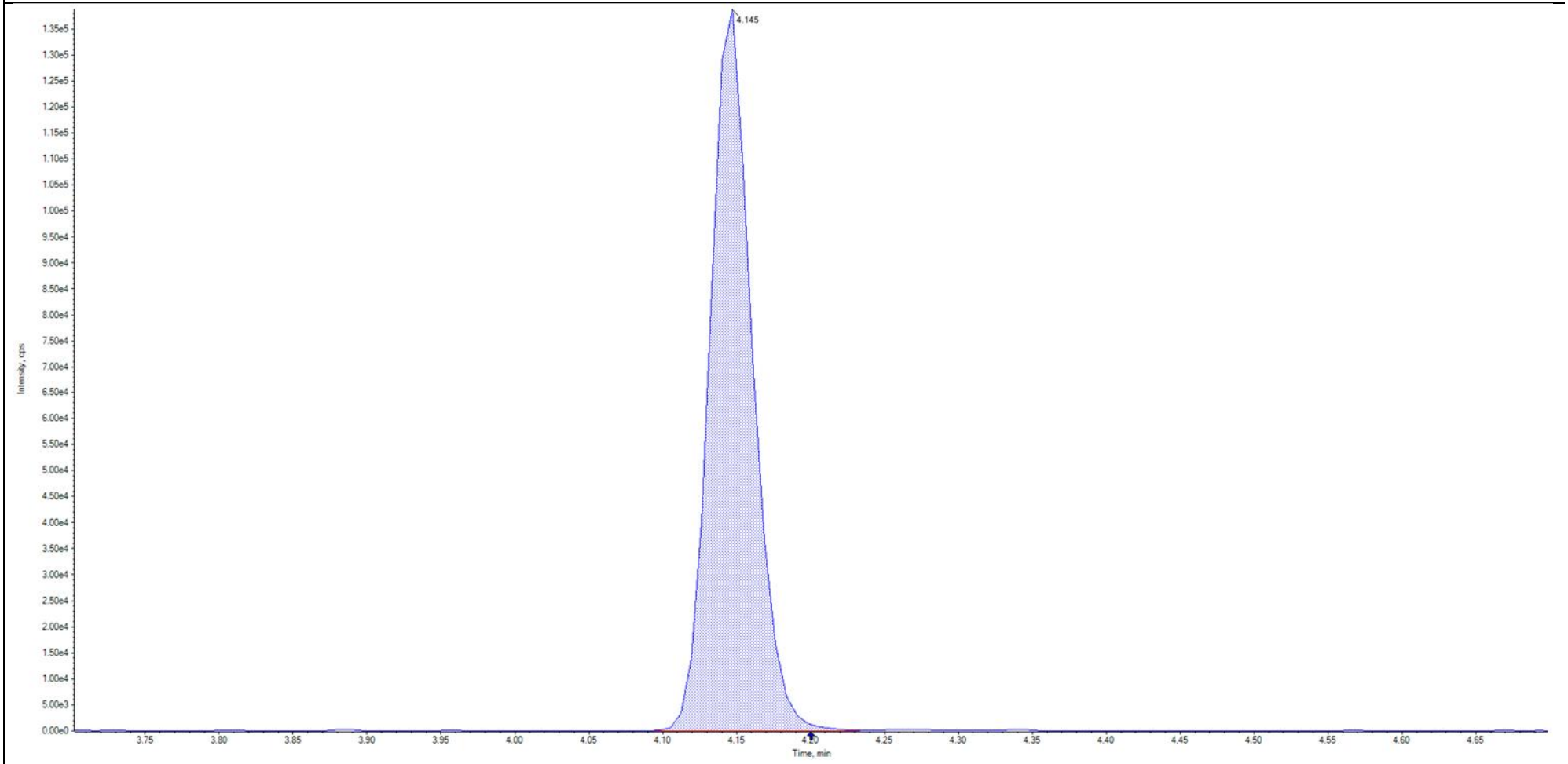
d3-NMeFOSA
Sample: WG2011107-4



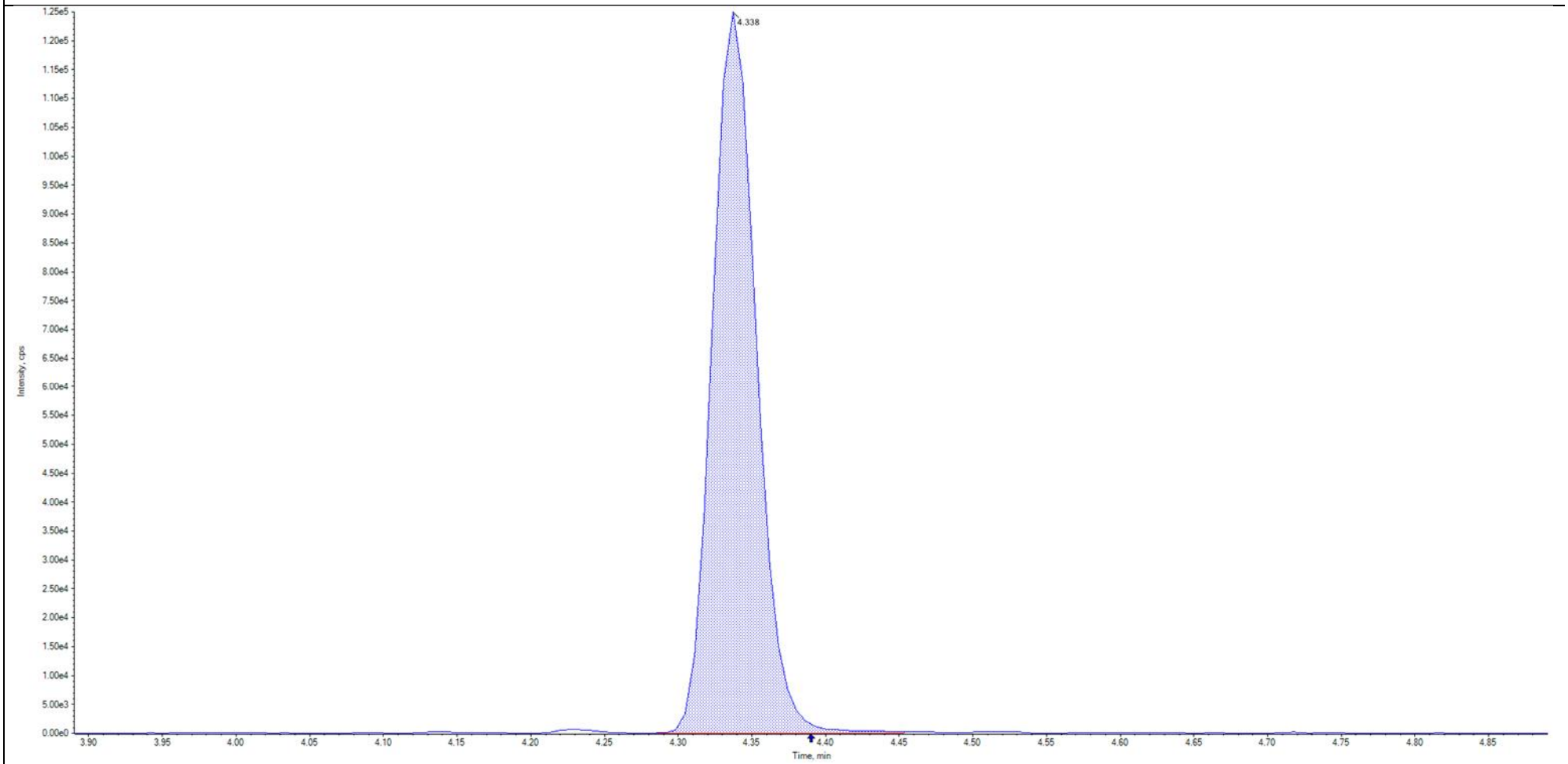
d5-NEtFOSA
Sample: WG2011107-4



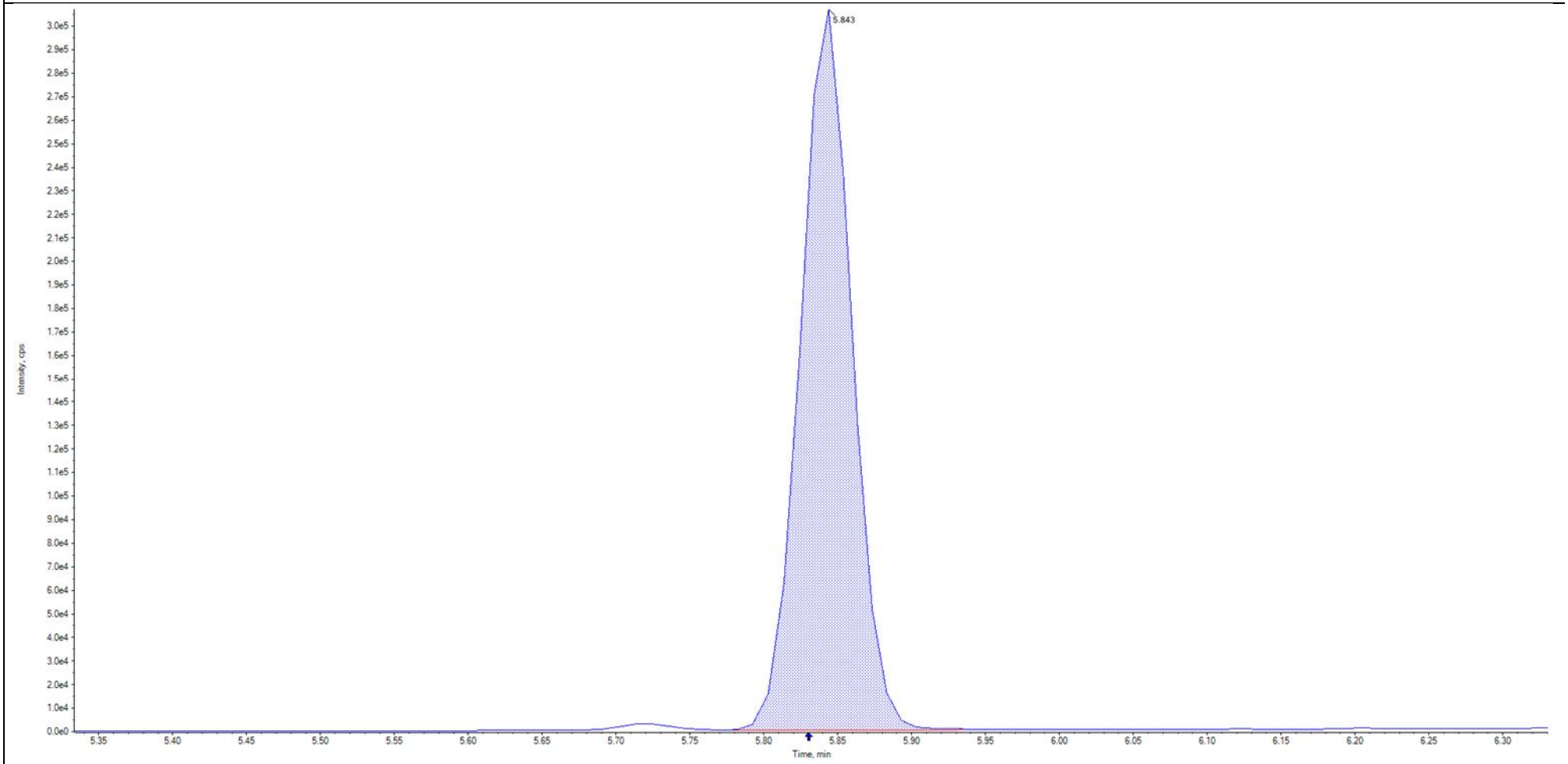
d3-NMeFOSAA
Sample: WG2011107-4



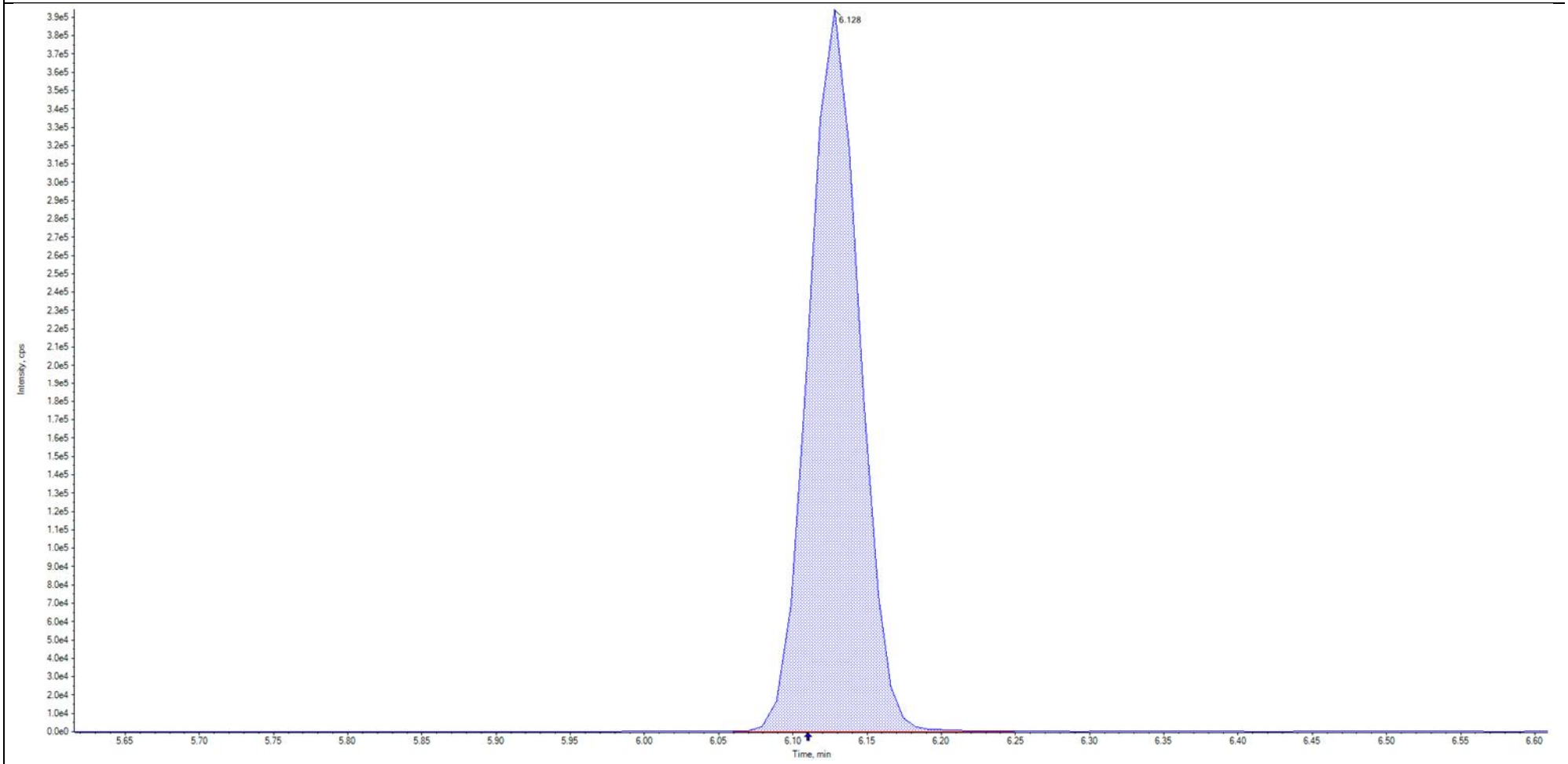
d5-NEtFOSAA
Sample: WG2011107-4



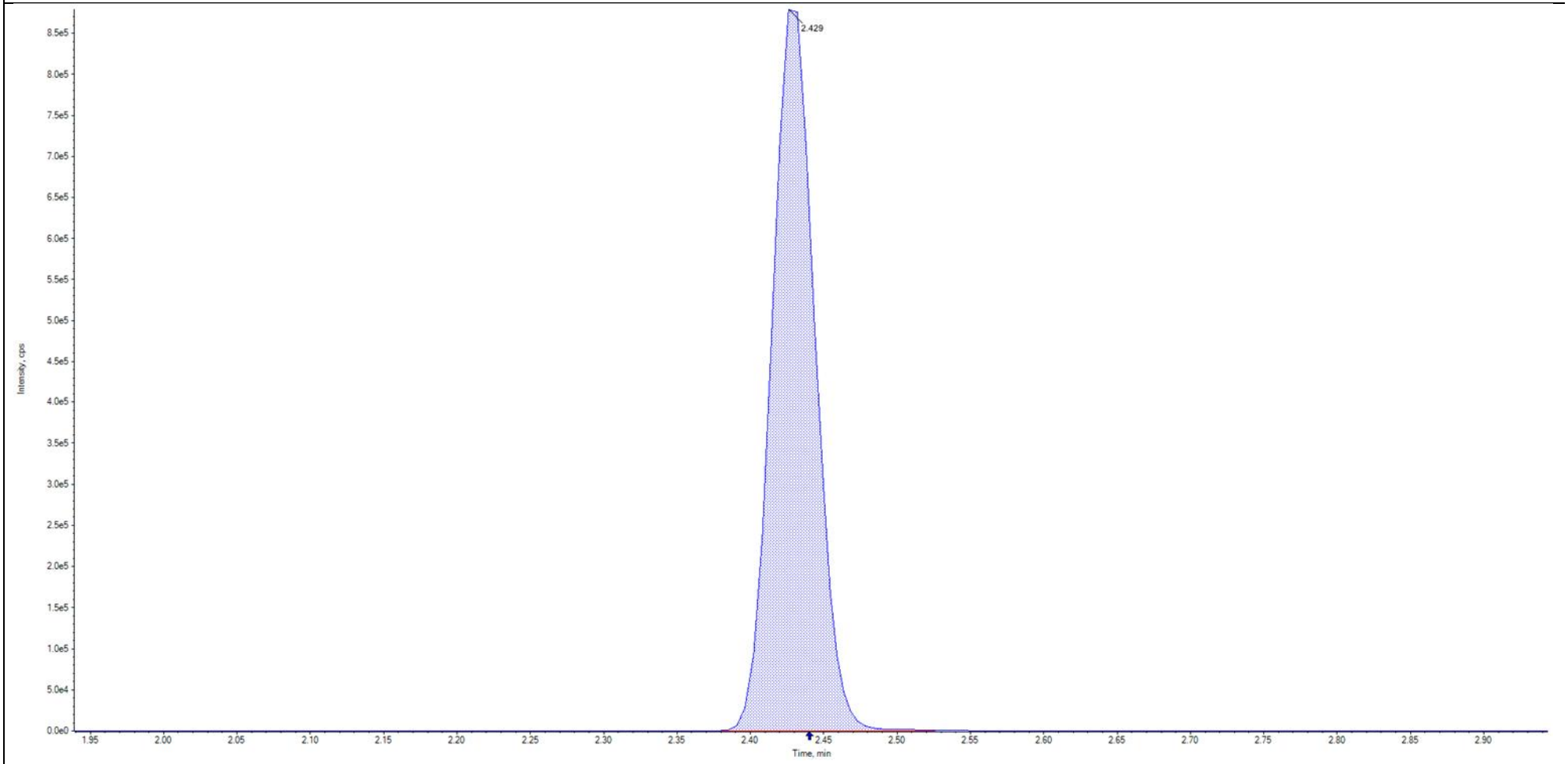
d7-NMeFOSE
Sample: WG2011107-4



d9-NEtFOSE
Sample: WG2011107-4



13C3-HFPO-DA
Sample: WG2011107-4



13C3-PFBA
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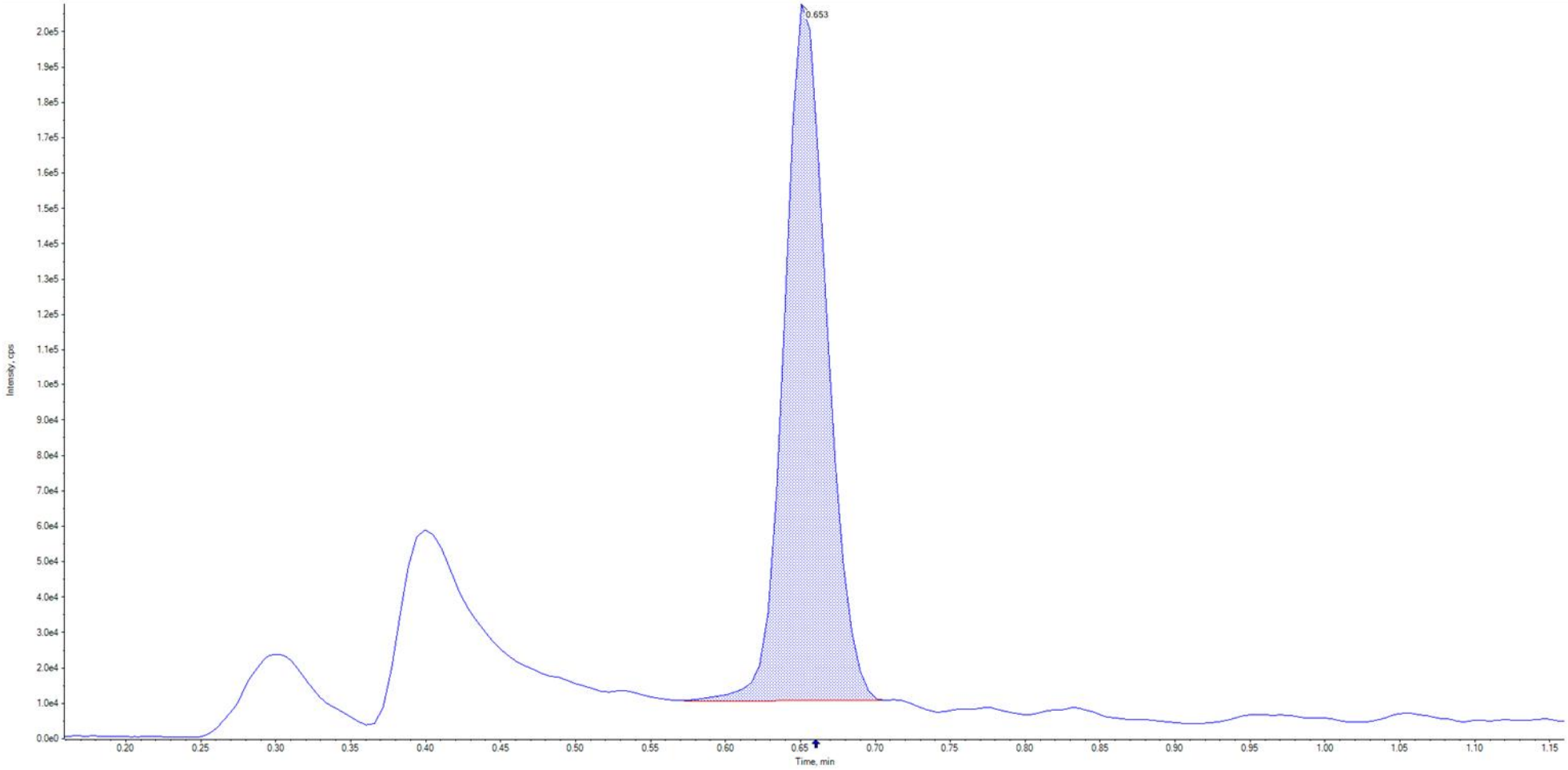
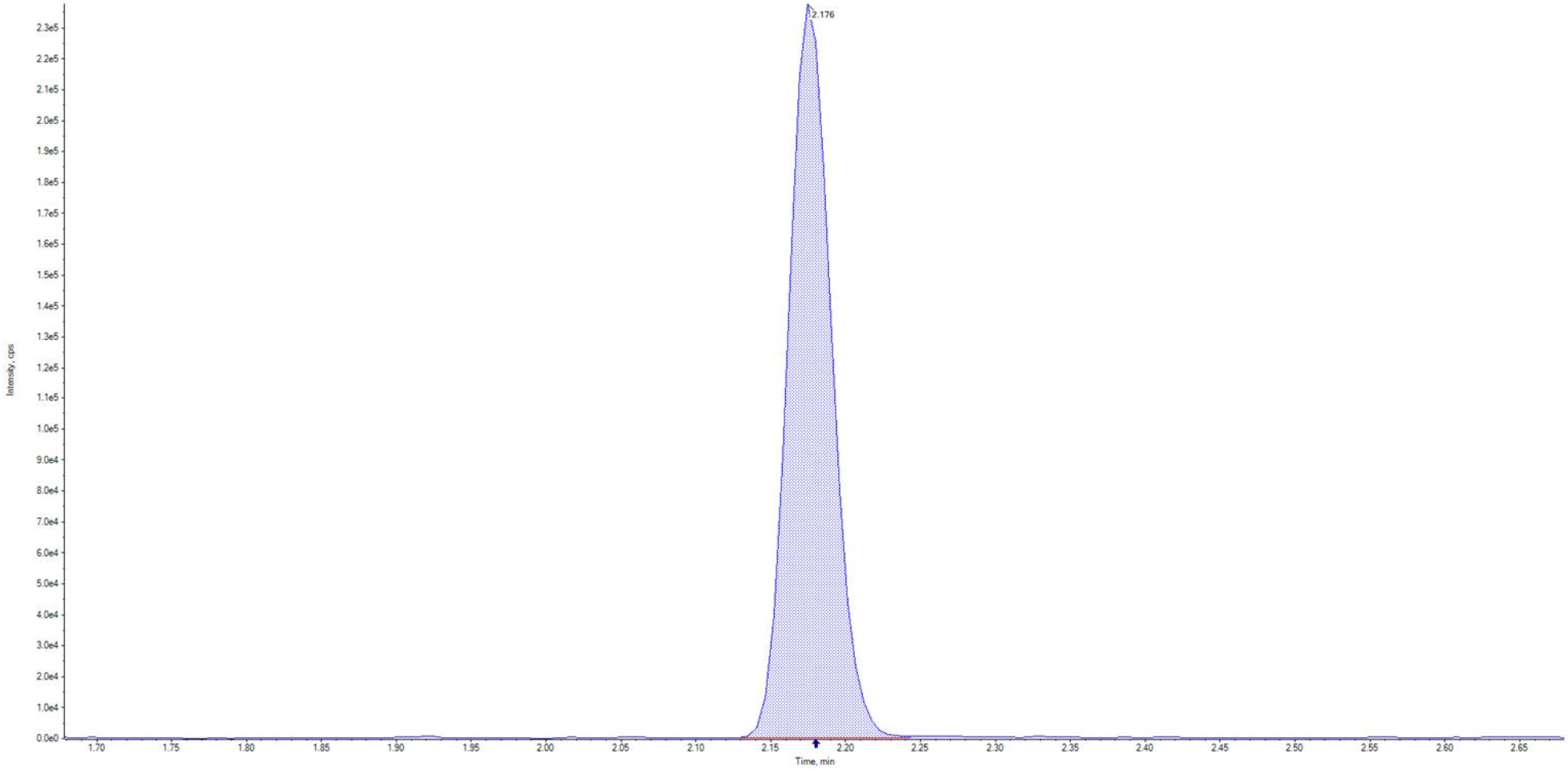
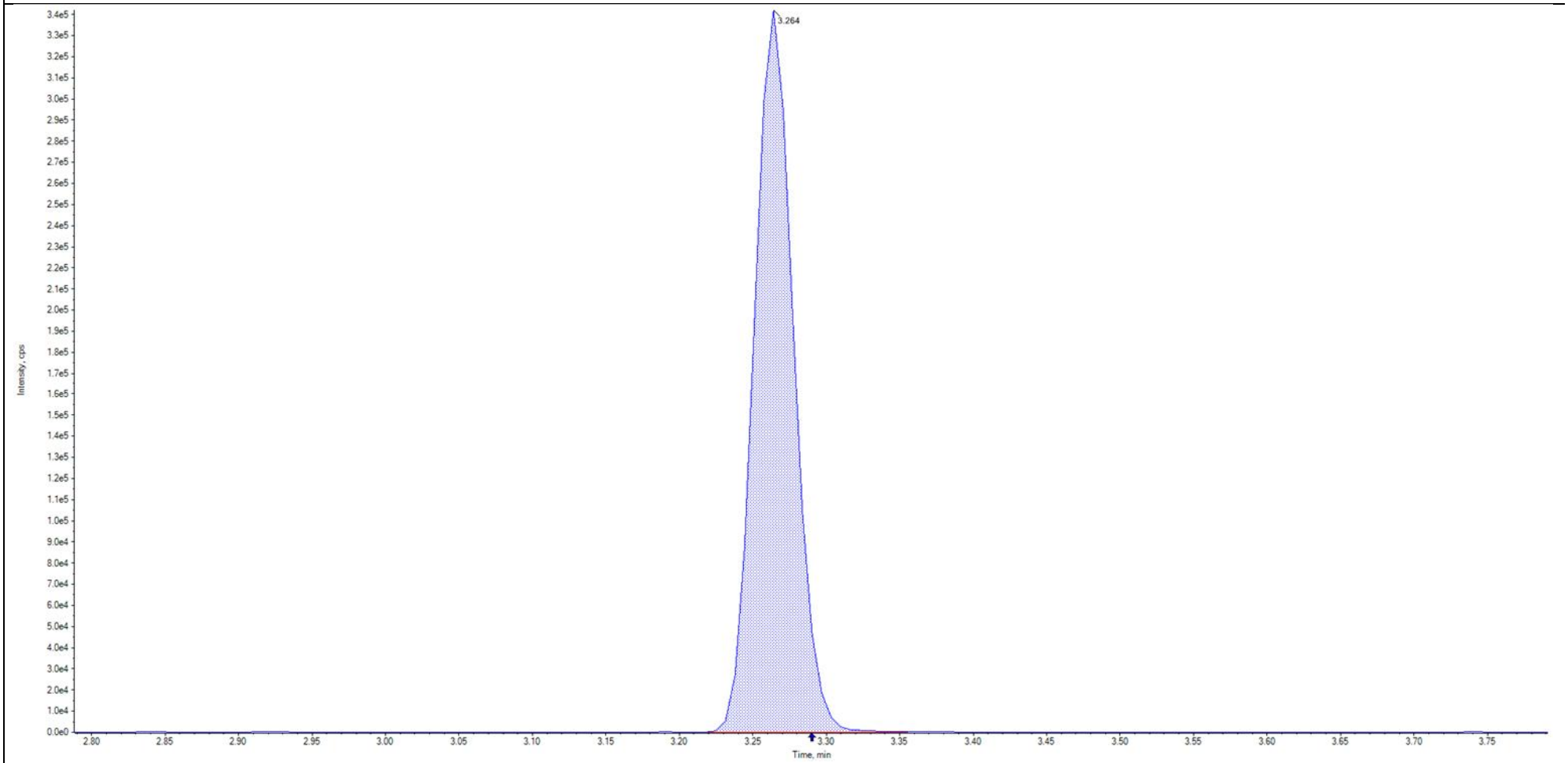


13C2-PFHxA
Sample: WG2011107-4



13C4-PFOA
Sample: WG2011107-4



13C5-PFNA
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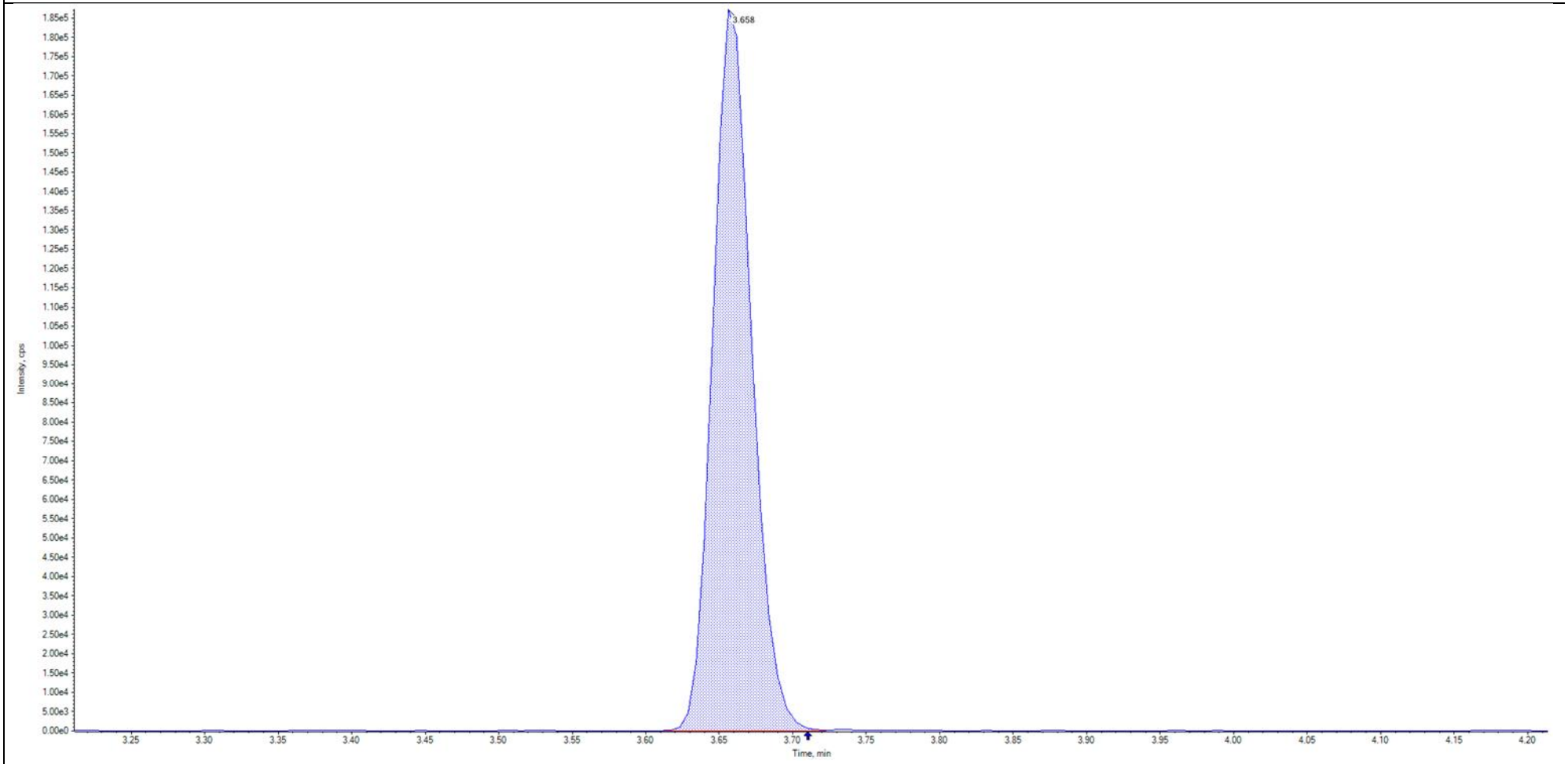
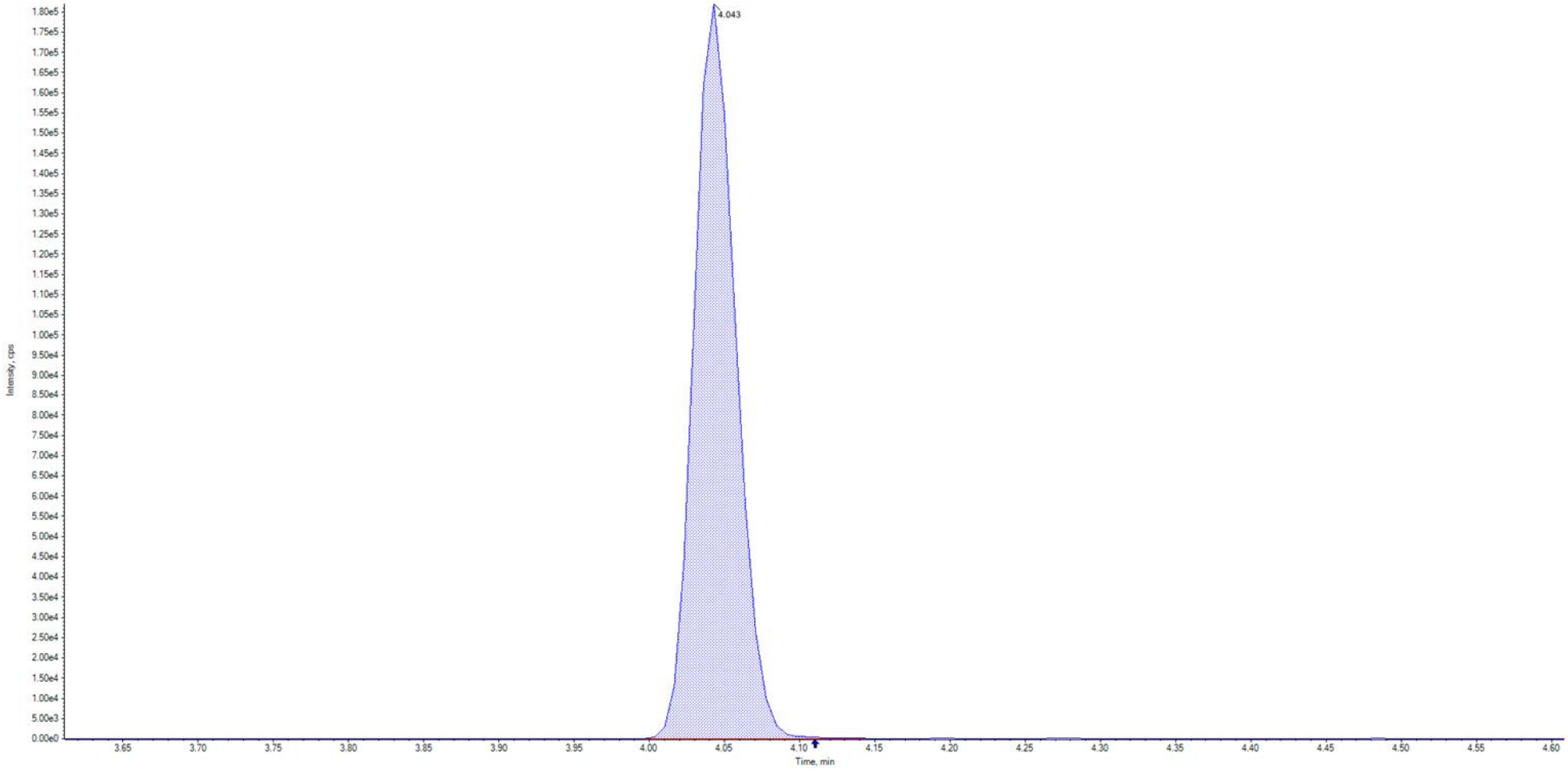
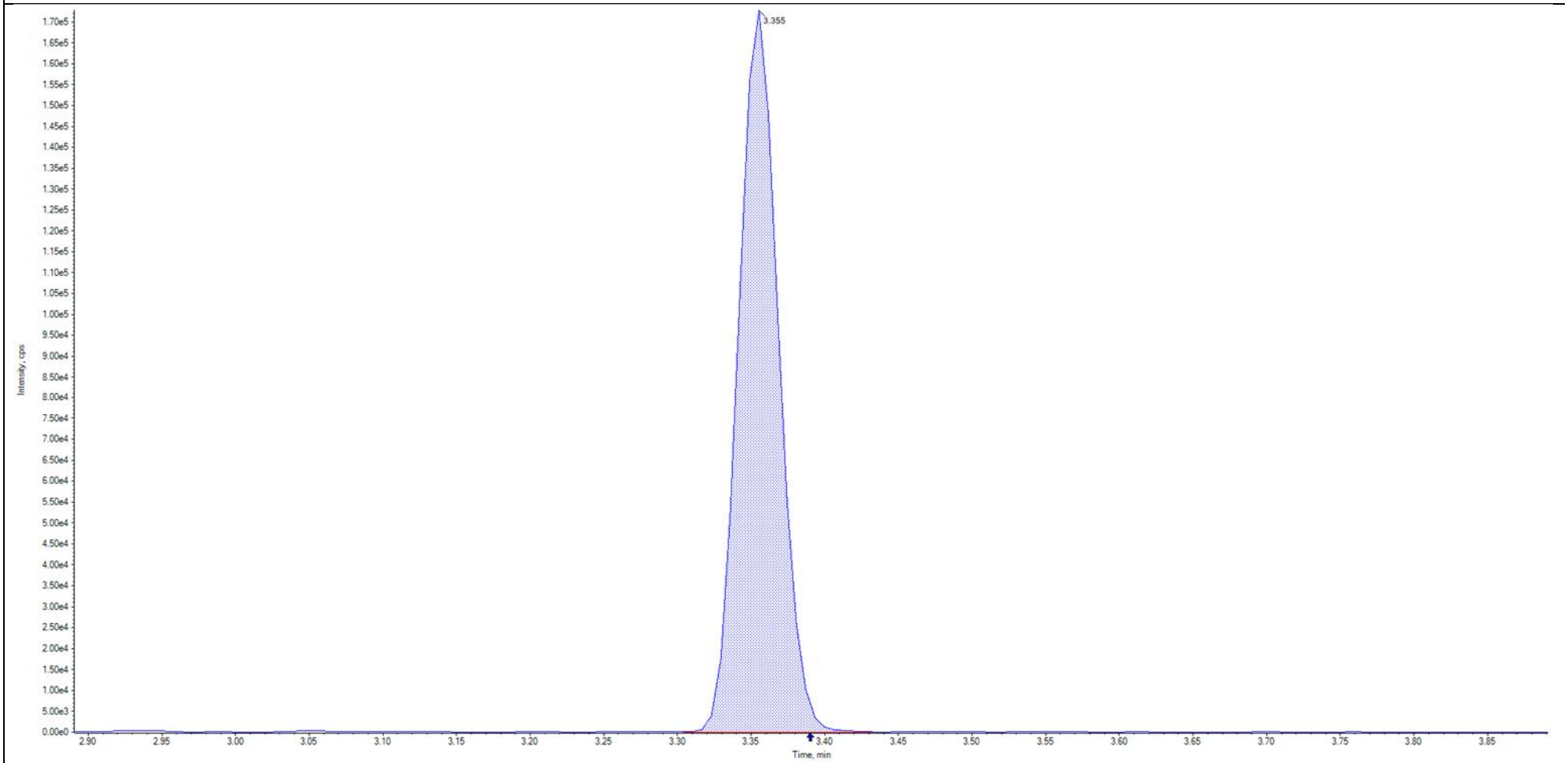


13C2-PFDA
Sample: WG2011107-4



18O2-PFHxS
Sample: WG2011107-4



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Alpha Analytical LLC
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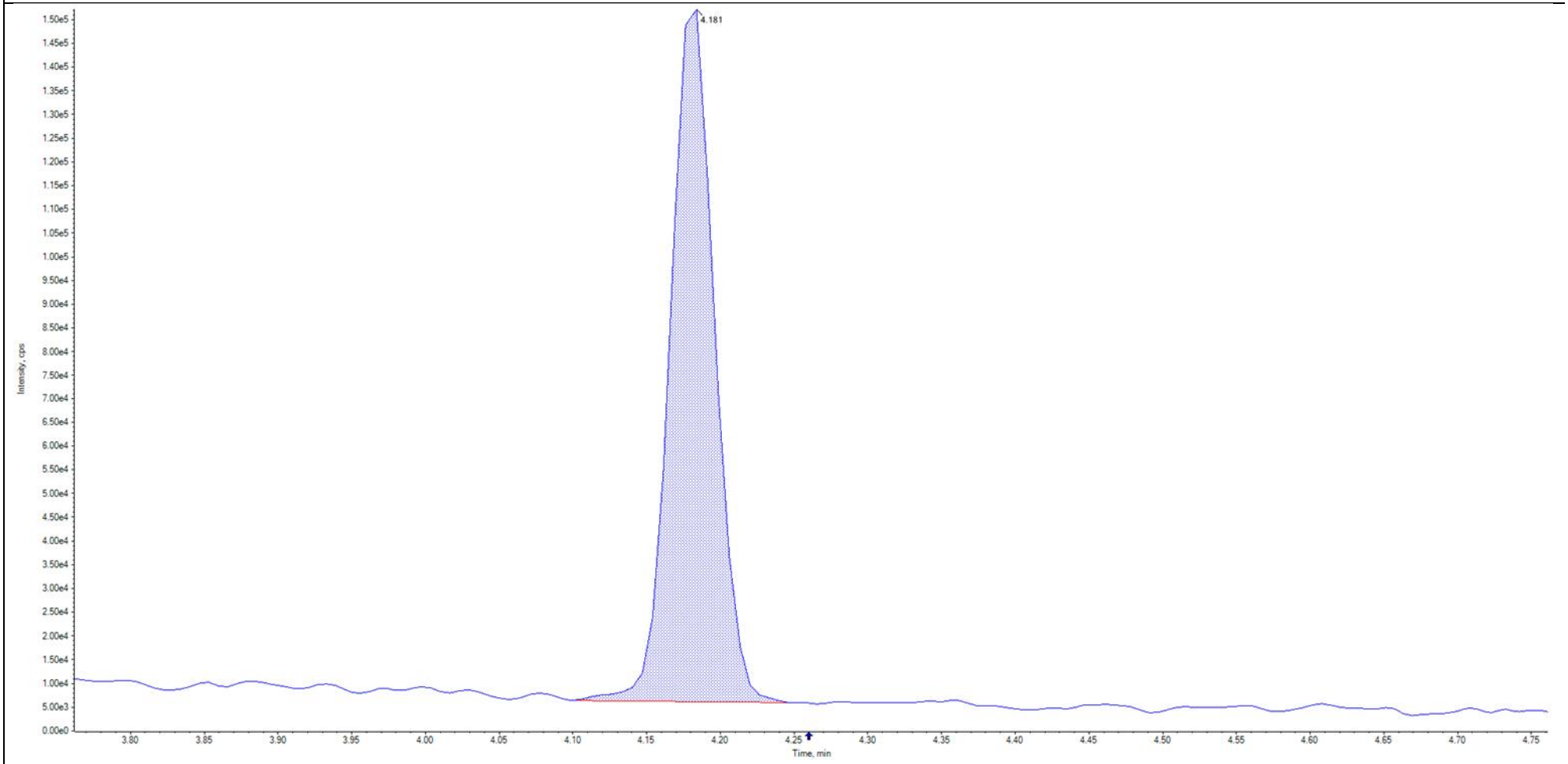
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

13C4-PFOS
Sample: WG2011107-4



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_88.wiff2_11
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241220\SCI05_241220_11.wiff2_7
Last Altered: 12/20/2024 8:52:45 AM
Generated: 12/20/2024 6:09:50 AM

Method: EPA1633F.qmethod
Calibration: 241115_EPA1633_ICAL

ID: WG2011107-4D,,10
Name: SCI05_241220_11.wiff2
Date & Time: 2024-12-20T06:48:02
Description: WG2011618,WG2011107,ICAL21712
Instrument: SCIEX Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.67	213.0 / 169.0	230680		1.129	N/A	N/A	N/A	112.9
4	PFHxA	307-24-4	2.22	313.0 / 269.0	88646		0.257	0.081	0.089	Pass	103.0
5	PFHxA_2	307-24-4	2.22	313.0 / 119.0	7188		0.283	0.081	0.089	Pass	113.1
6	PFHpA	375-85-9	2.86	363.1 / 319.0	96012		0.201	0.308	0.332	Pass	80.3
7	PFHpA_2	375-85-9	2.86	363.1 / 169.0	29531		0.193	0.308	0.332	Pass	77.1
72	PFMPA	377-73-1	0.86	229.0 / 85.0	120647		0.441	N/A	N/A	N/A	88.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.67	217.0 / 172.0	242235		0.899	NA	NA	NA	89.9
	13C5-PFPeA	EIS	1.40	268.0 / 223.0	114214		0.405	NA	NA	NA	81.1
	13C5-PFHxA	EIS	2.22	318.0 / 273.0	56169		0.232	NA	NA	NA	92.8
	13C4-PFHpA	EIS	2.85	367.0 / 322.0	50178		0.302	NA	NA	NA	120.7
	13C8-PFOA	EIS	3.29	420.8 / 376.0	117608		0.176	NA	NA	NA	70.3
	13C9-PFNA	EIS	3.68	472.0 / 427.0	48162		0.115	NA	NA	NA	92.3
	13C6-PFDA	EIS	4.06	519.0 / 474.0	37537		0.092	NA	NA	NA	73.5
	13C7-PFUnA	EIS	4.43	570.0 / 525.0	29904		0.085	NA	NA	NA	67.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.80	615.1 / 570.0	19917		0.068	NA	NA	NA	54.2
	13C2-PFTeDA	EIS	5.52	715.1 / 670.1	17883		0.068	NA	NA	NA	54.4
	13C3-PFBS	EIS	2.20	302.1 / 80.1	49704	M4	0.220	NA	NA	NA	94.4
	13C3-PFHxS	EIS	3.38	402.1 / 80.1	44687		0.228	NA	NA	NA	96.3
	13C8-PFOS	EIS	4.19	507.1 / 80.1	40703	M4	0.213	NA	NA	NA	88.7
	13C2-4:2FTS	EIS	2.00	329.1 / 81.1	38626		1.030	NA	NA	NA	219.6
	13C2-6:2FTS	EIS	3.13	429.2 / 81.1	34077		0.983	NA	NA	NA	206.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-8:2FTS	EIS	3.89	529.2 / 81.1	15560		0.500	NA	NA	NA	104.1
	13C8-PFOSA	EIS	5.28	506.1 / 78.1	60635		0.199	NA	NA	NA	79.5
	d3-NMeFOSA	EIS	5.99	515.2 / 219.0	6834		0.152	NA	NA	NA	61.0
	d5-NEtFOSA	EIS	6.27	531.2 / 219.0	6078		0.145	NA	NA	NA	58.2
	d3-NMeFOSAA	EIS	4.15	573.2 / 419.1	36674		0.777	NA	NA	NA	155.4
	d5-NEtFOSAA	EIS	4.34	589.3 / 419.1	14973		0.330	NA	NA	NA	66.0
	d7-NMeFOSE	EIS	5.84	623.2 / 58.9	66572		1.256	NA	NA	NA	50.2
	d9-NEtFOSE	EIS	6.13	639.2 / 58.9	97514		1.269	NA	NA	NA	50.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.47	287.0 / 169.0	177325		1.005	NA	NA	NA	100.5
	13C3-PFBA	NIS	0.67	216.0 / 172.0	1198482		6.058	NA	NA	NA	121.2
	13C2-PFHxA	NIS	2.21	315.0 / 270.0	846372		3.220	NA	NA	NA	128.8
	13C4-PFOA	NIS	3.29	417.0 / 372.0	658874		3.803	NA	NA	NA	152.1
	13C5-PFNA	NIS	3.68	468.0 / 423.0	470814		1.513	NA	NA	NA	121.1
	13C2-PFDA	NIS	4.06	515.1 / 470.1	475331		1.500	NA	NA	NA	120.0
	18O2-PFHxS	NIS	3.38	403.1 / 84.1	396739		2.807	NA	NA	NA	118.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFOS	NIS	4.19	503.1 / 80.1	332220		2.684	NA	NA	NA	111.8

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241220\SCI05_241220_11.wiff2_7
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Generated: 12/20/2024 6:09:50 AM

PFBA
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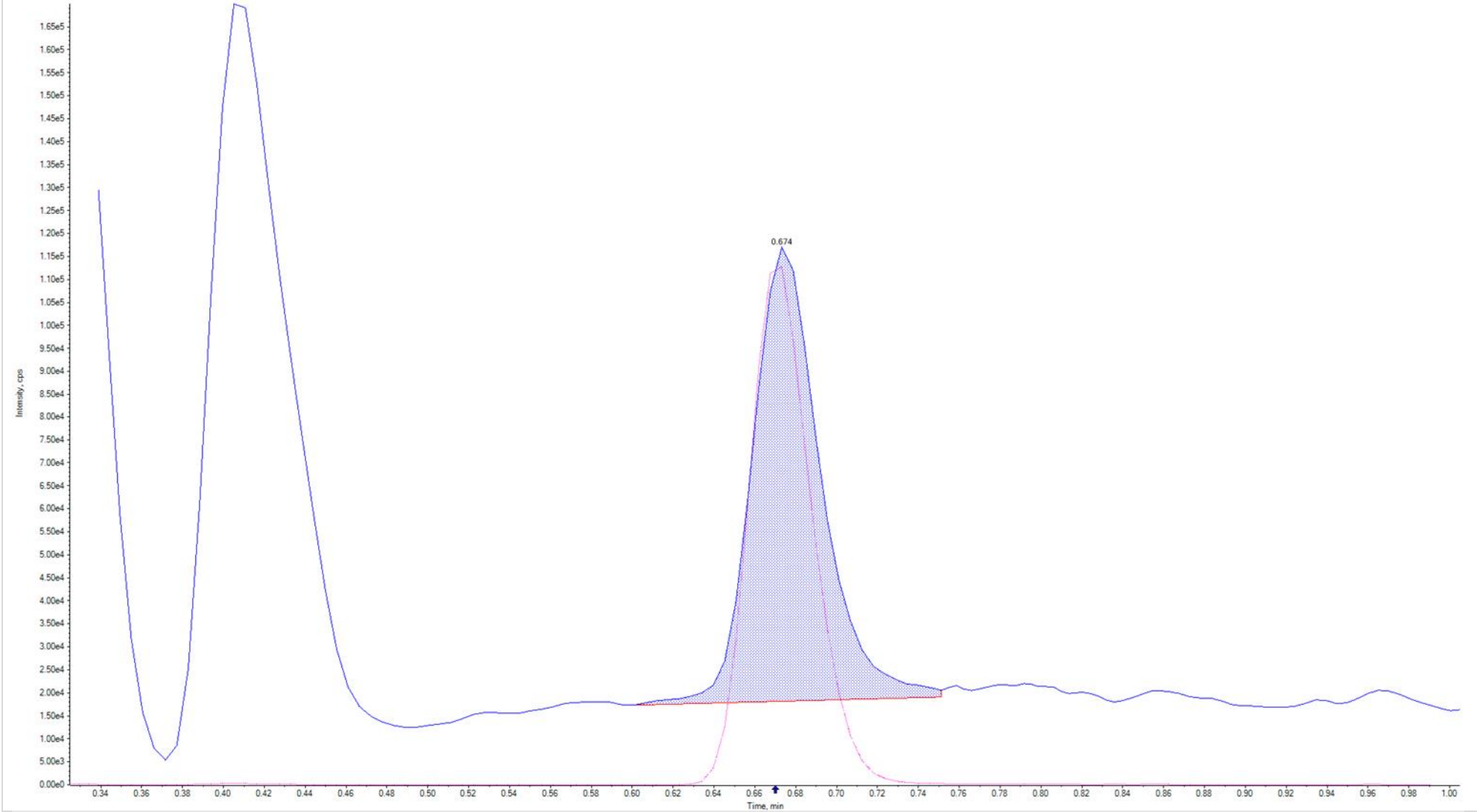

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 8:52:45 AM
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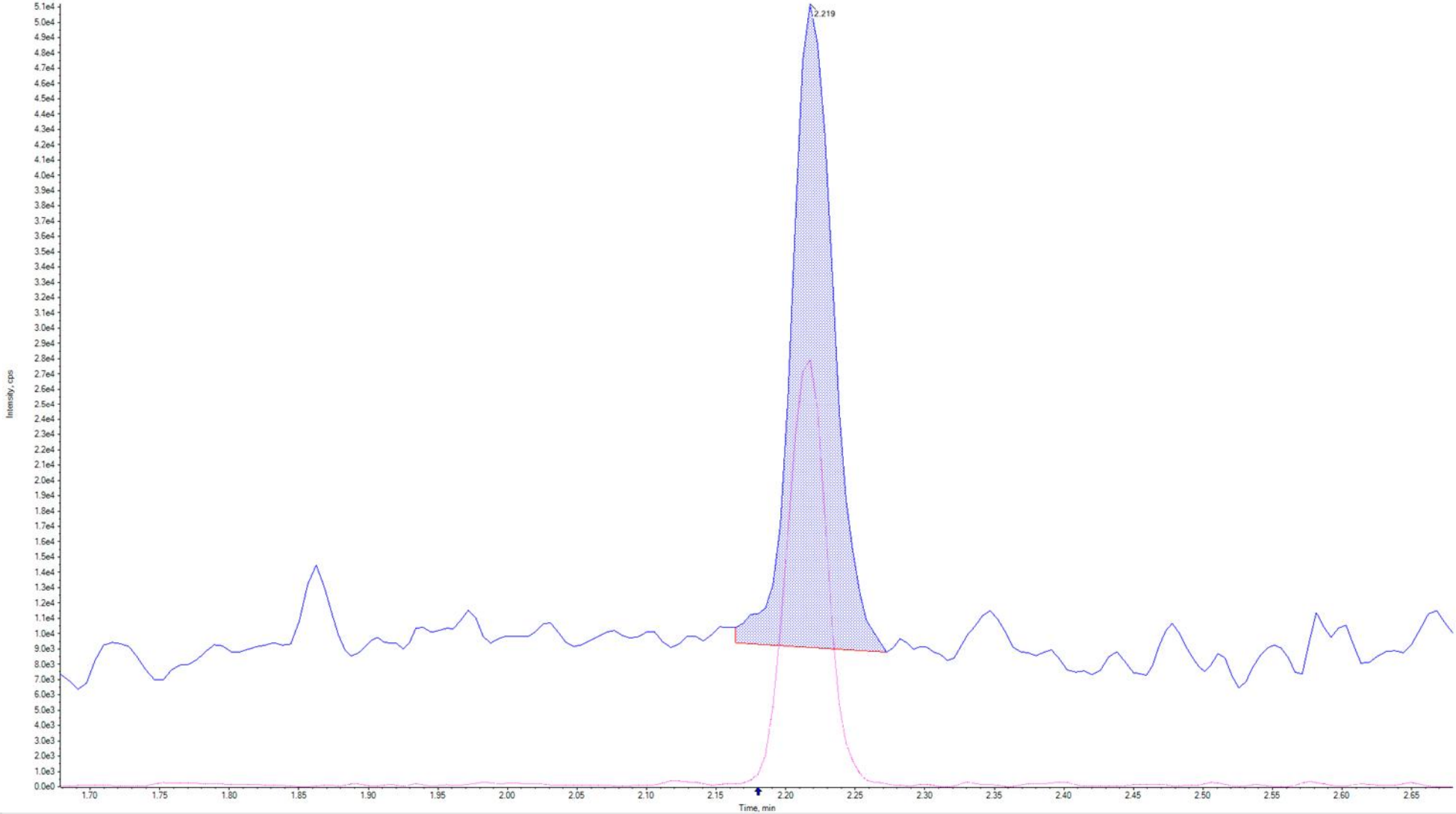
PFHxA
Sample: WG2011107-4D,,10 S/N:89.2 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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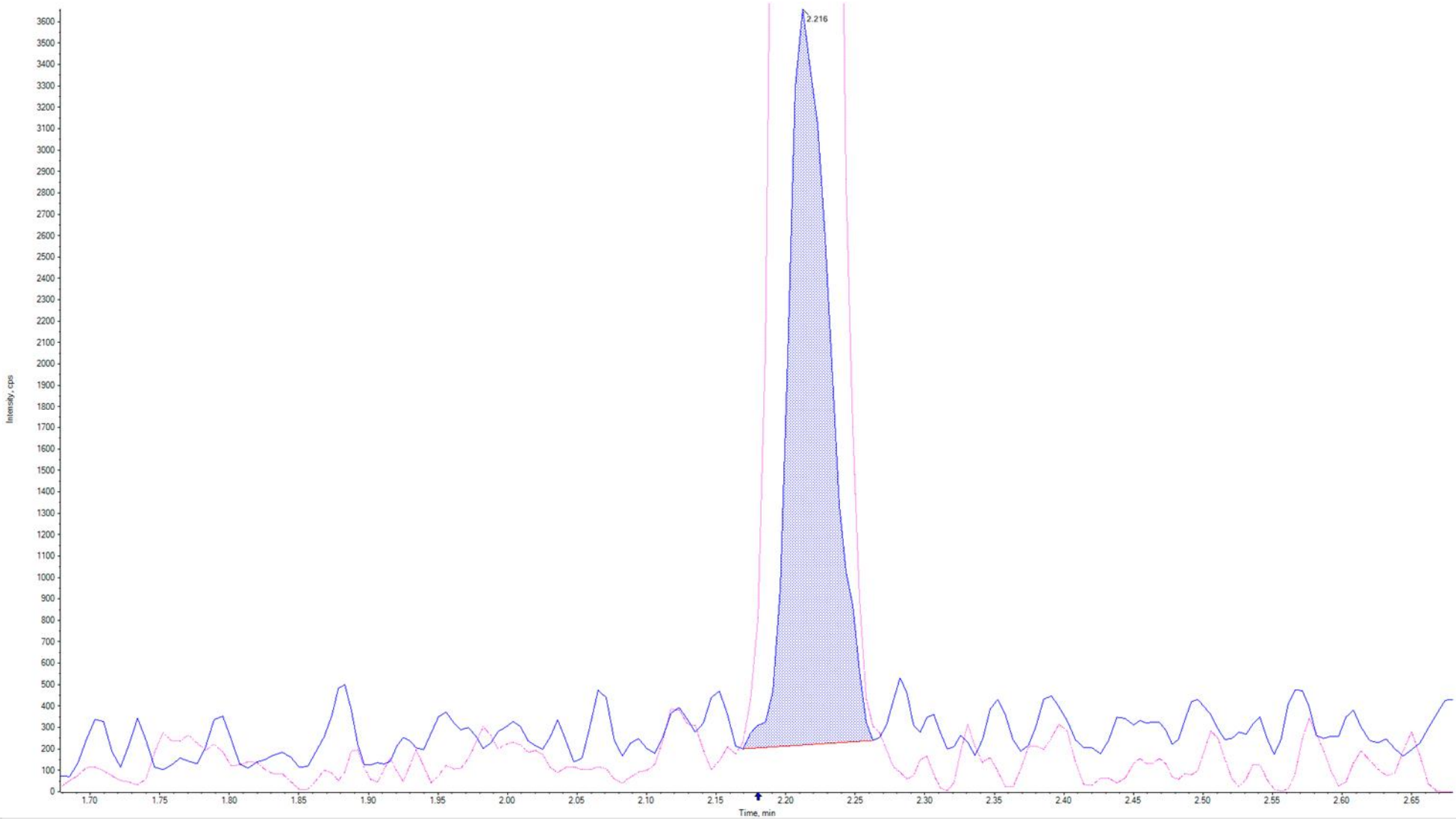
PFHxA_2
Sample: WG2011107-4D,,10 S/N:86.2 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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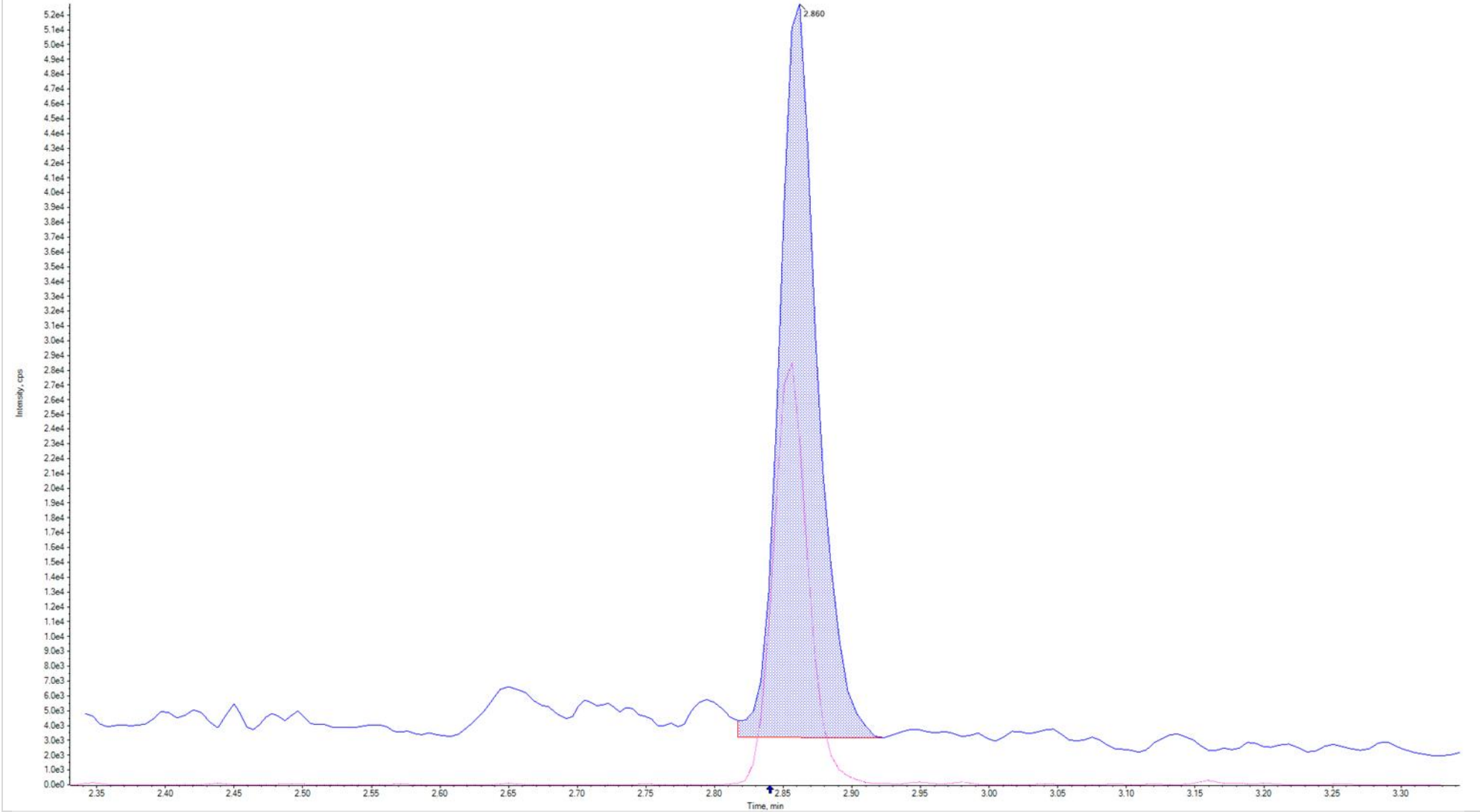
PFHpA
Sample: WG2011107-4D,,10 S/N:216.9 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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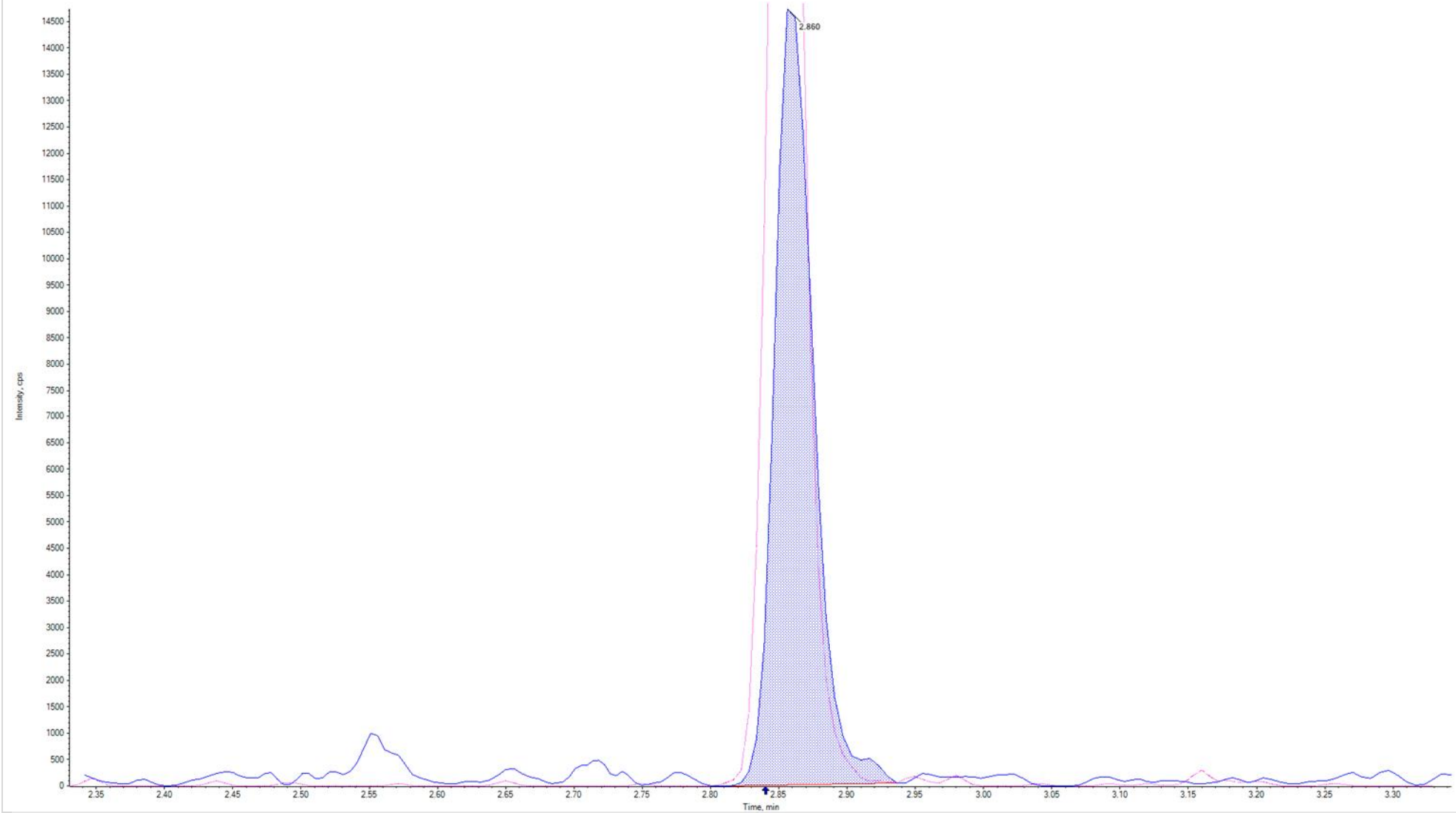
PFHpA_2
Sample: WG2011107-4D,,10 S/N:295.1 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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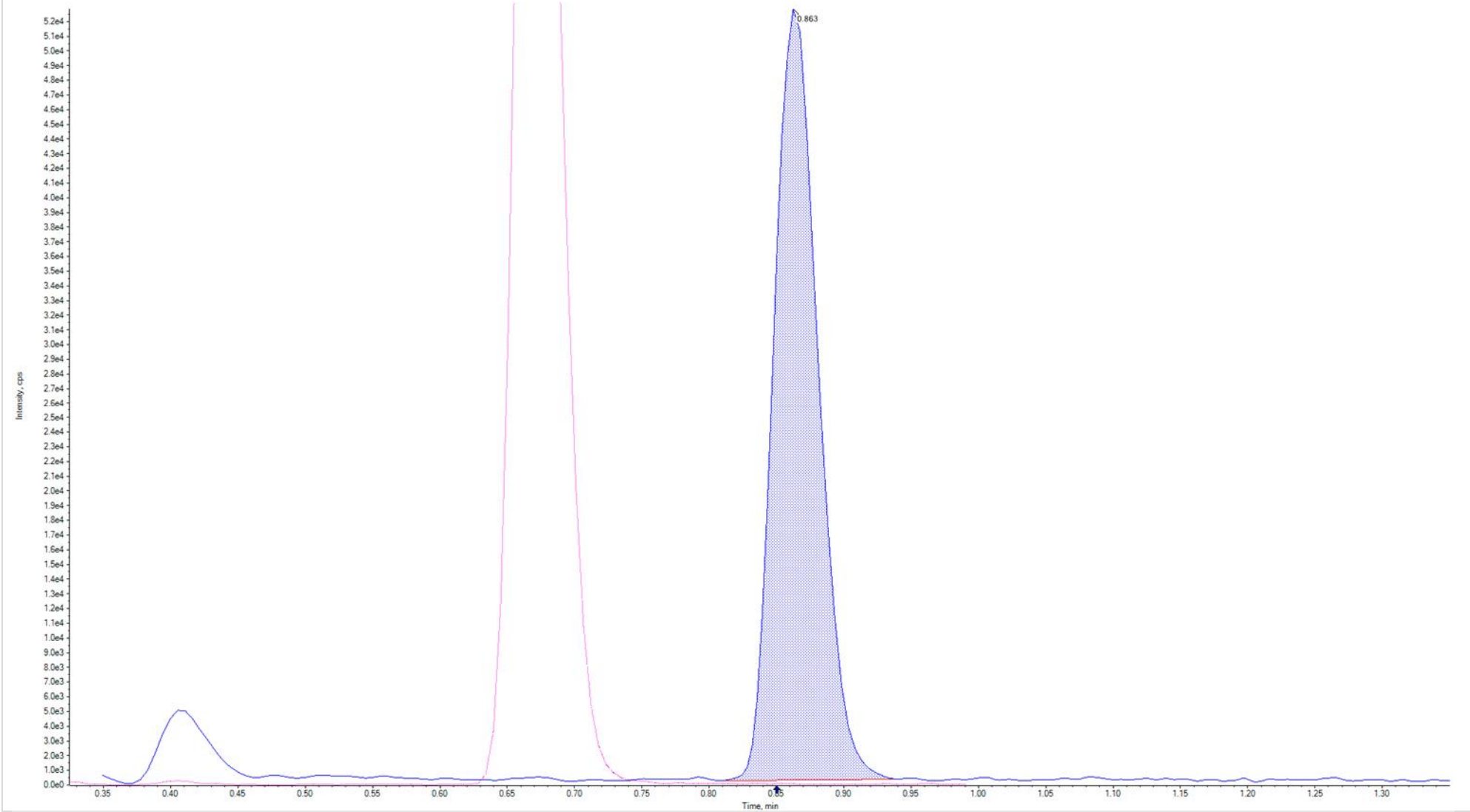
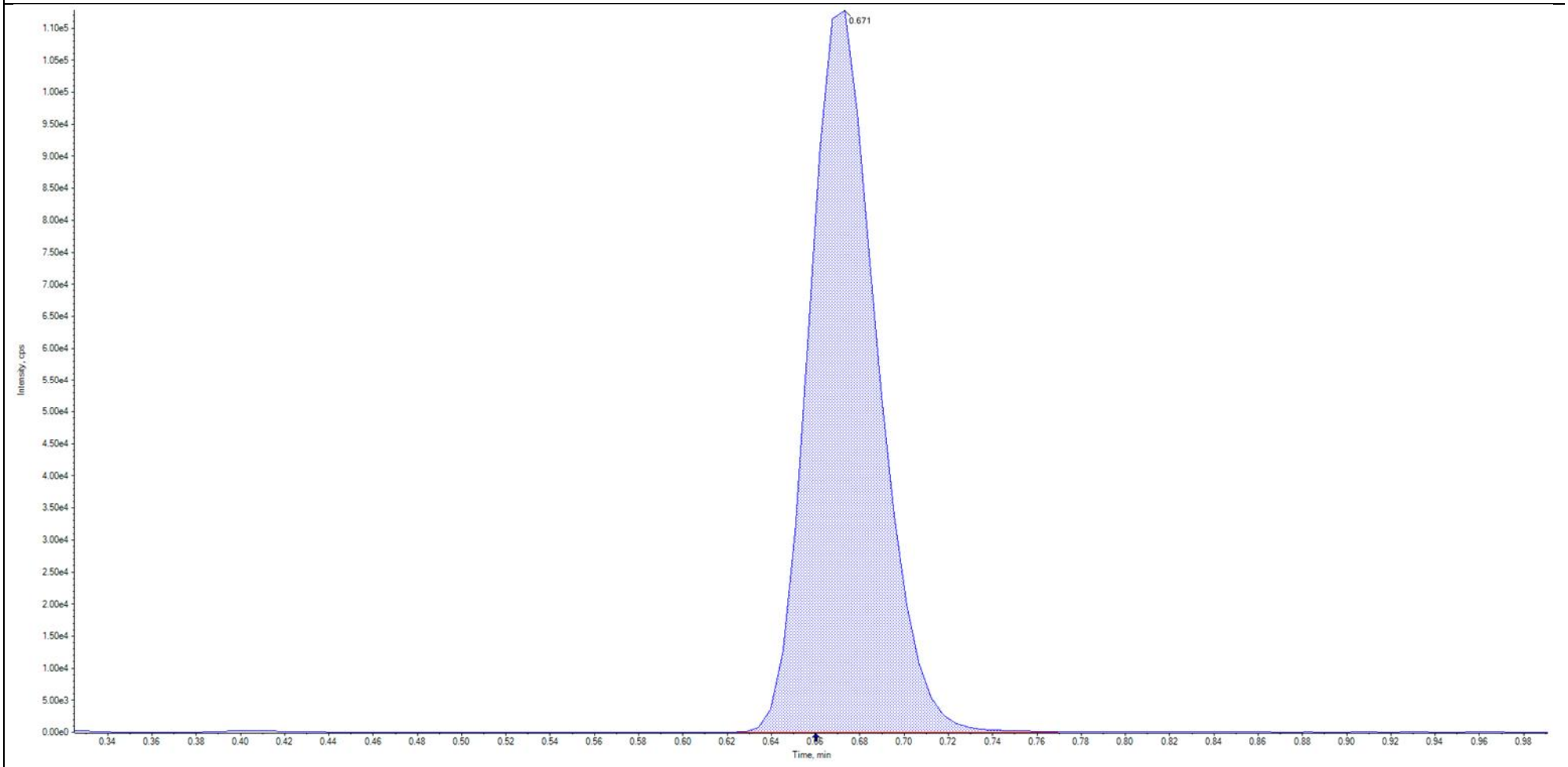
PFMPA
Sample: WG2011107-4D,,10 S/N:916.8 Points Across peak:30



13C4-PFBA
Sample: WG2011107-4D,,10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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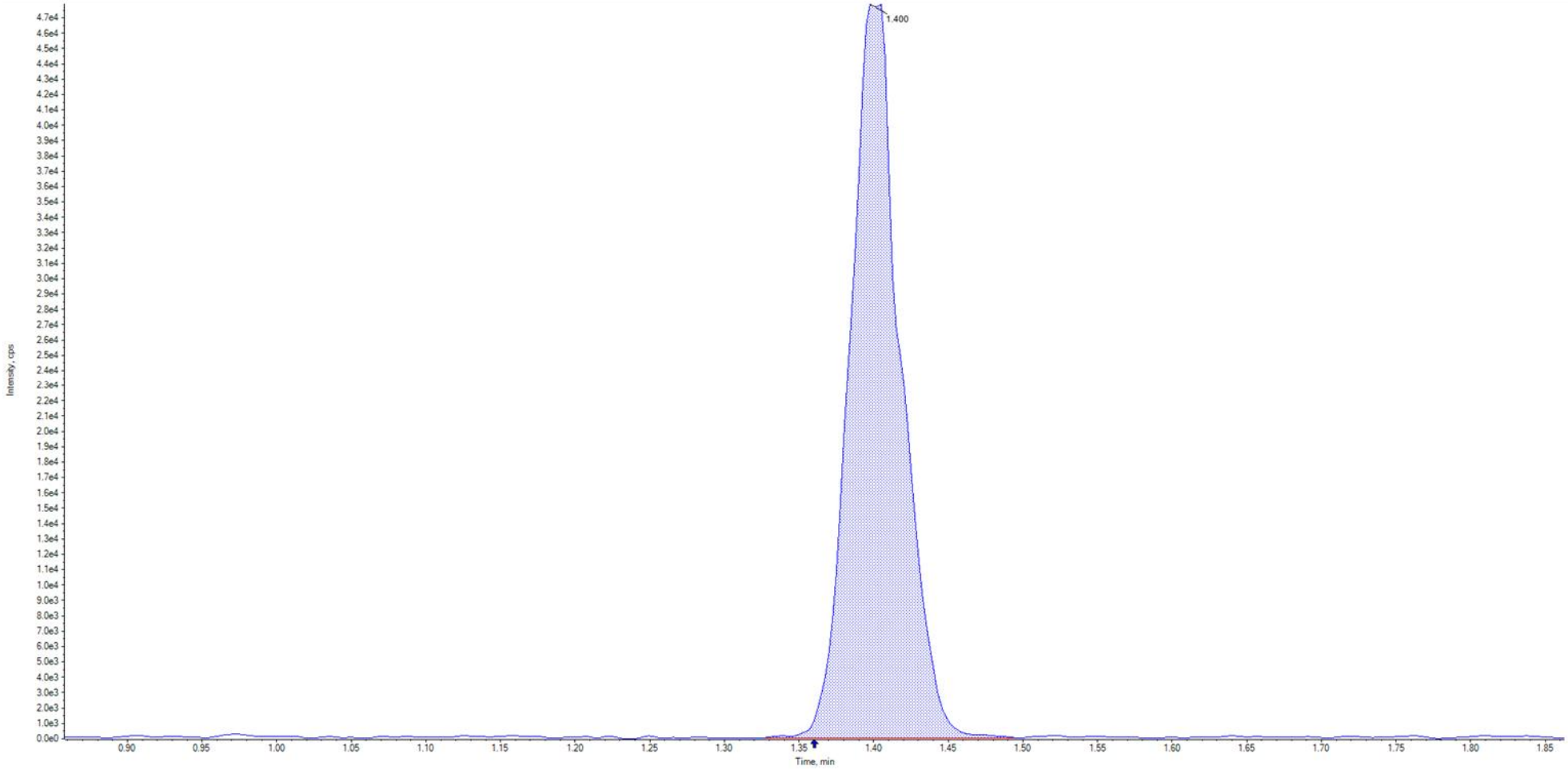
13C5-PFPeA
Sample: WG2011107-4D,,10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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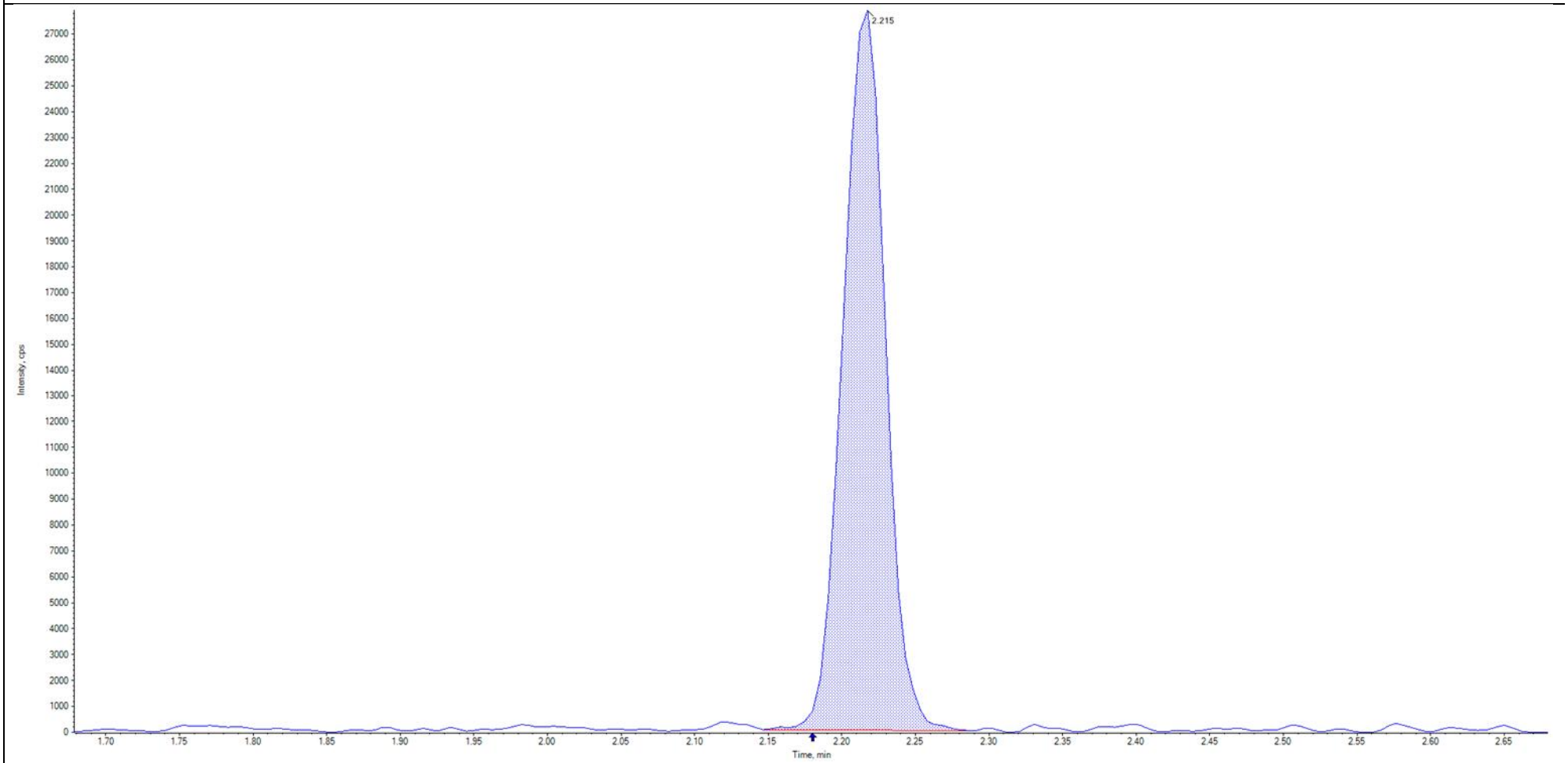
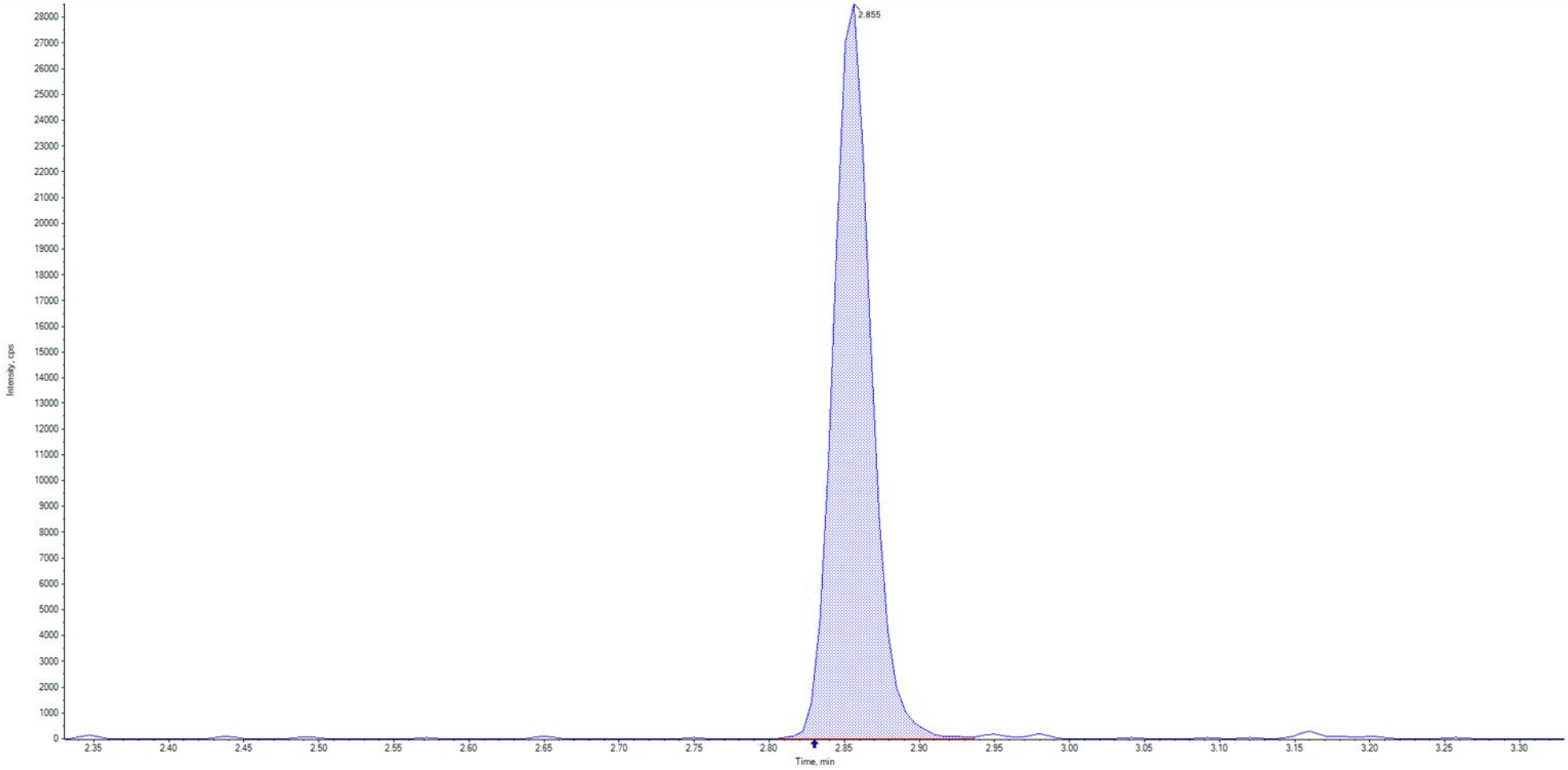
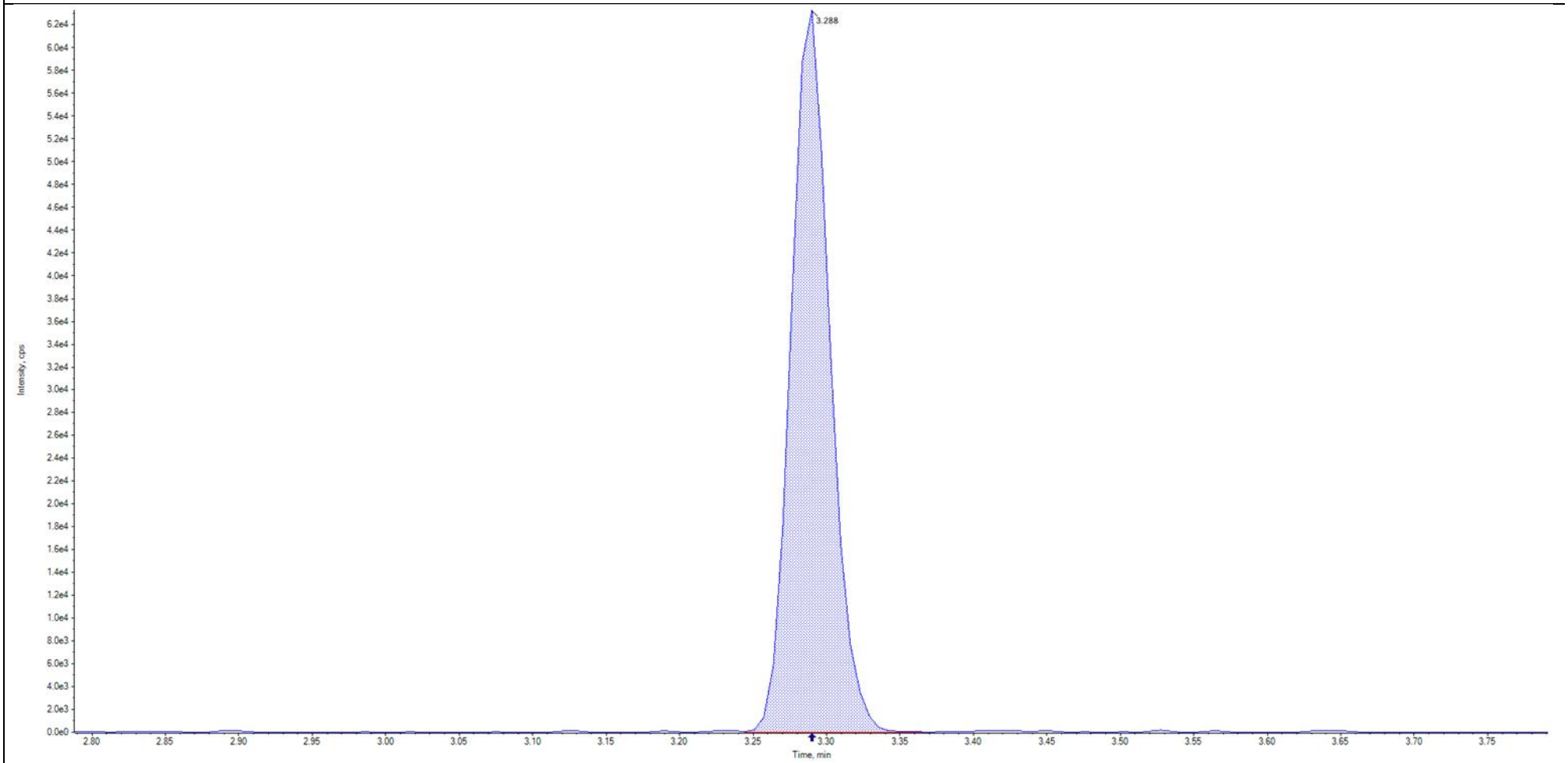
13C5-PFHxA
Sample: WG2011107-4D,,10



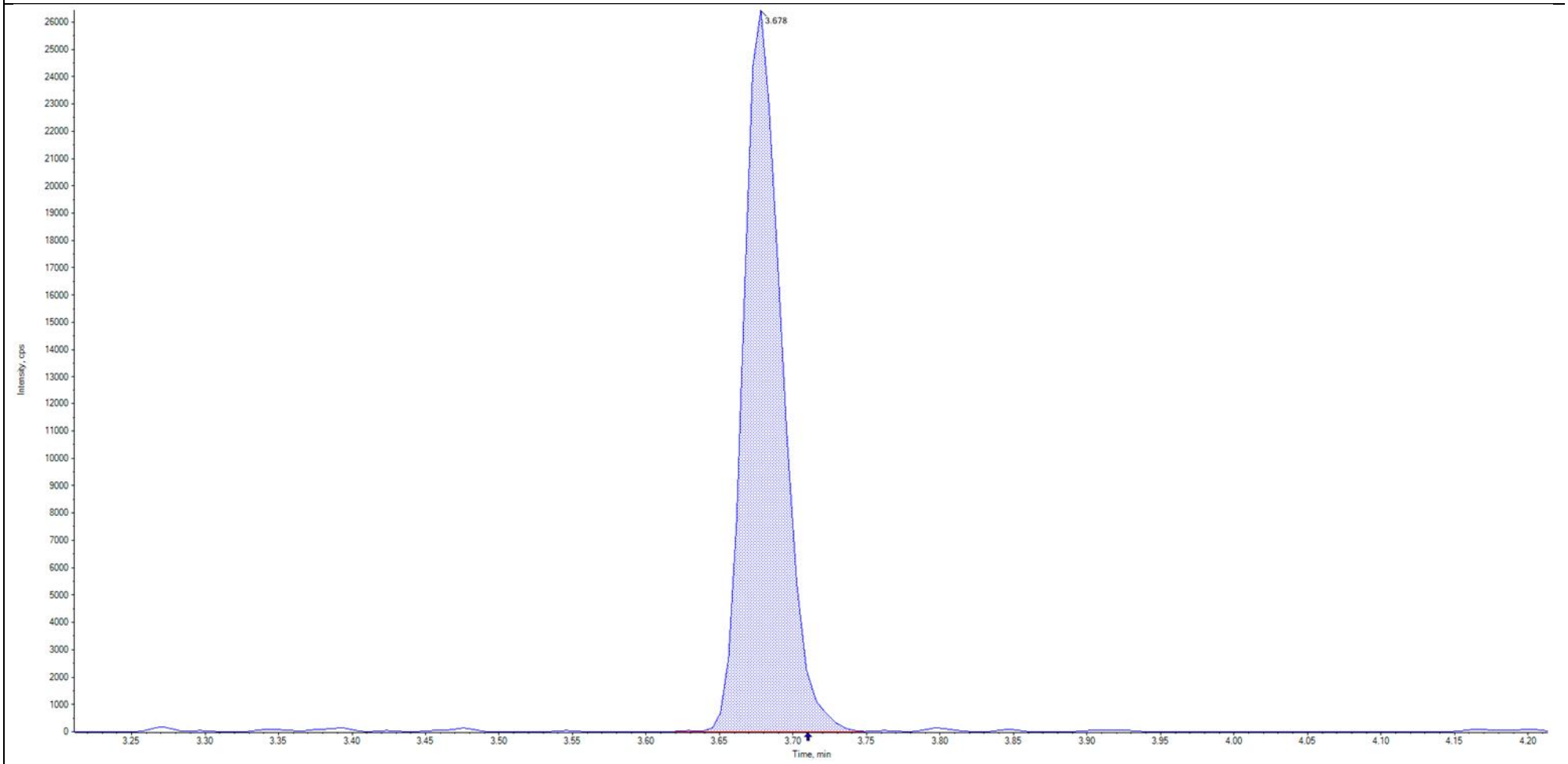
13C4-PFHpA
Sample: WG2011107-4D,,10



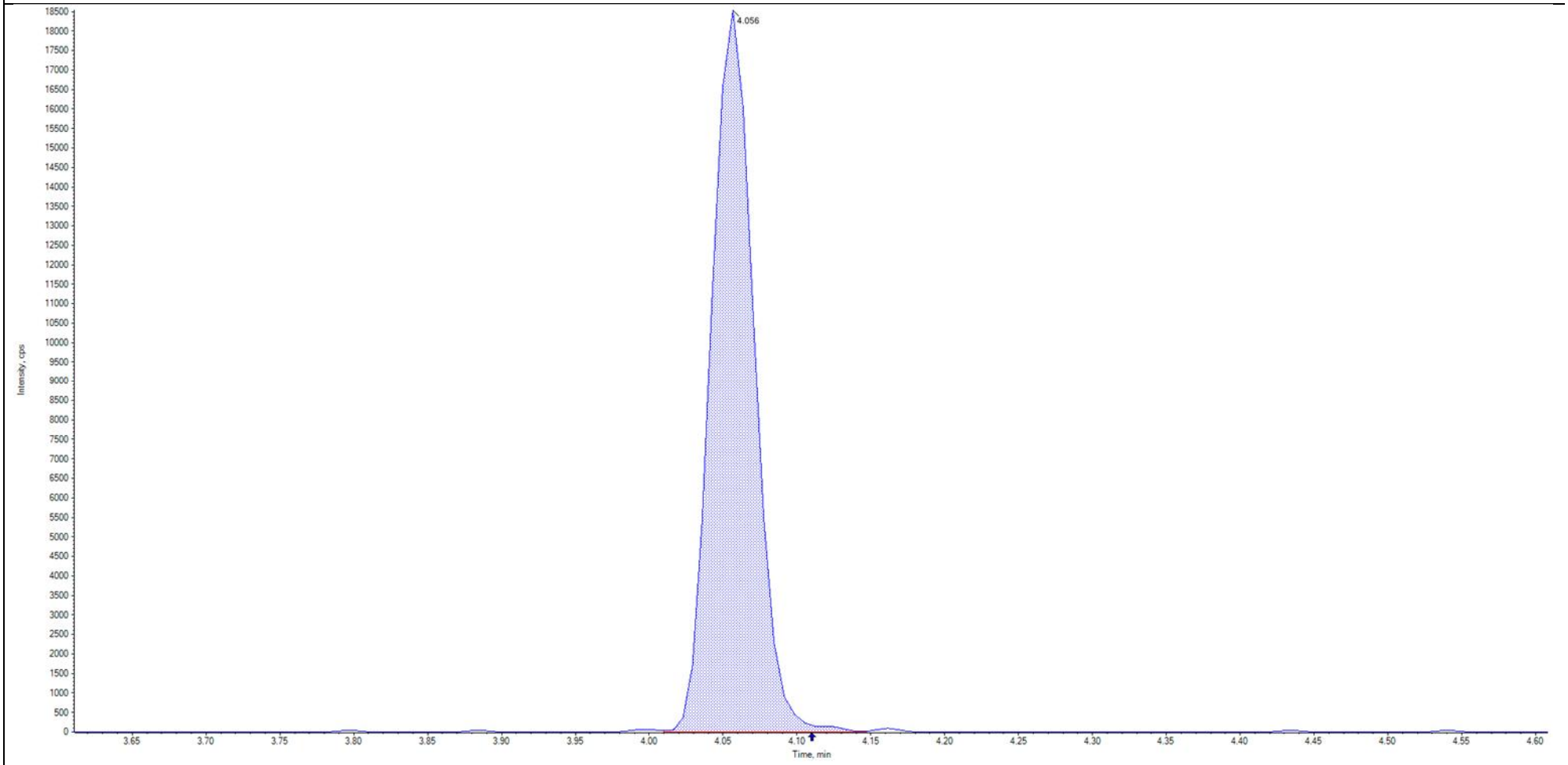
13C8-PFOA
Sample: WG2011107-4D,,10



13C9-PFNA
Sample: WG2011107-4D,,10



13C6-PFDA
Sample: WG2011107-4D,,10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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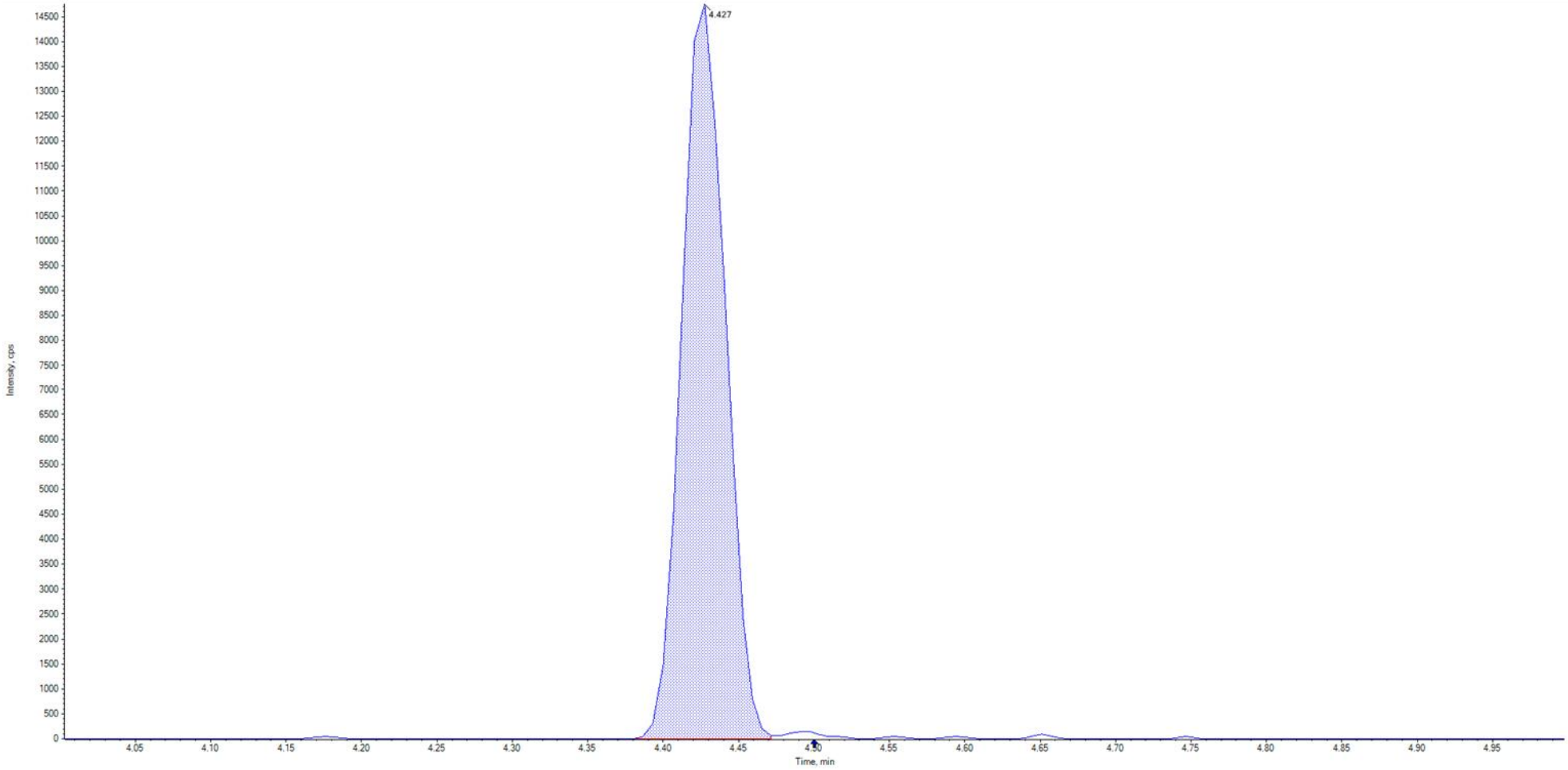
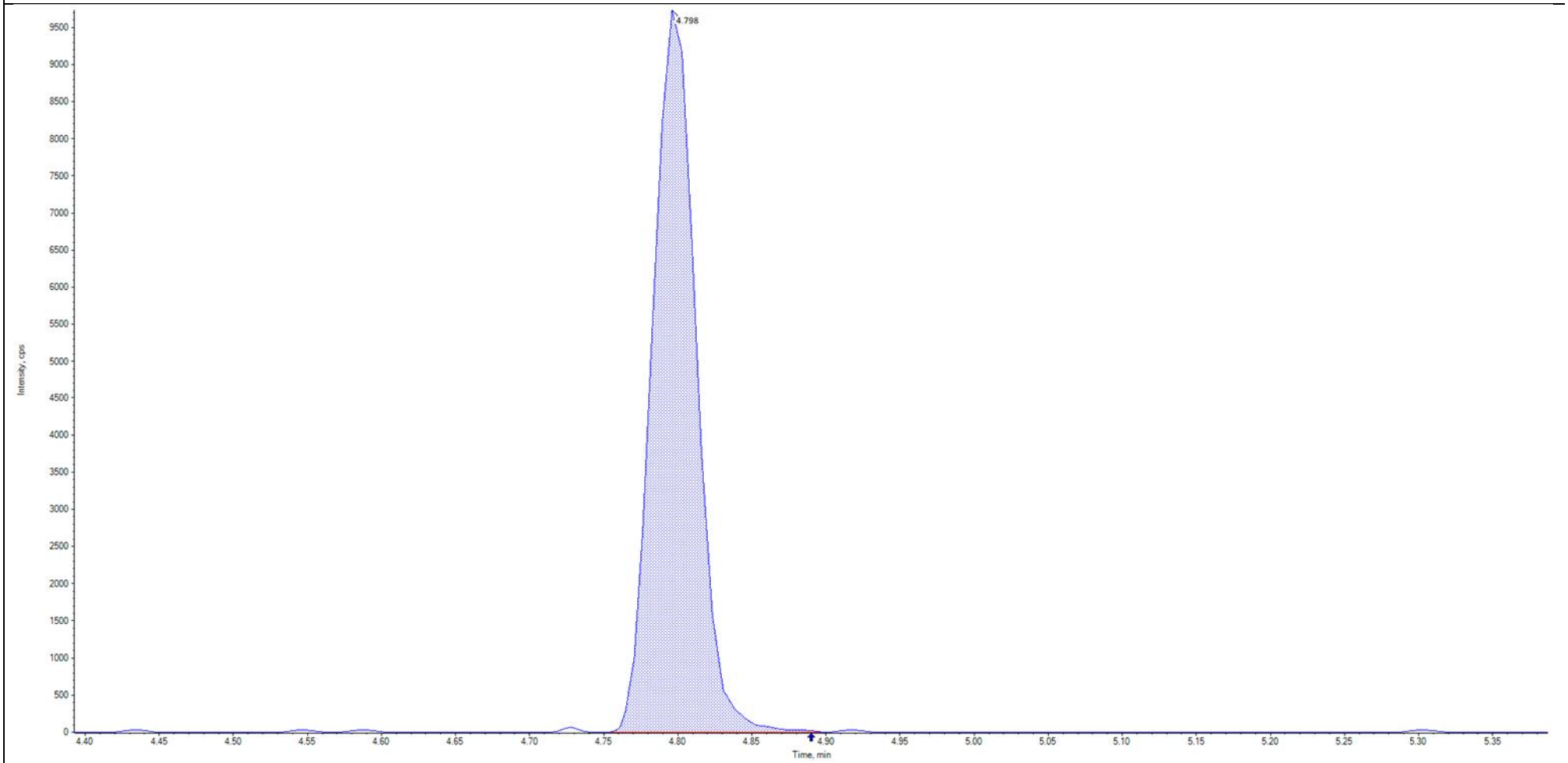
Generated: 12/20/2024 6:09:50 AM

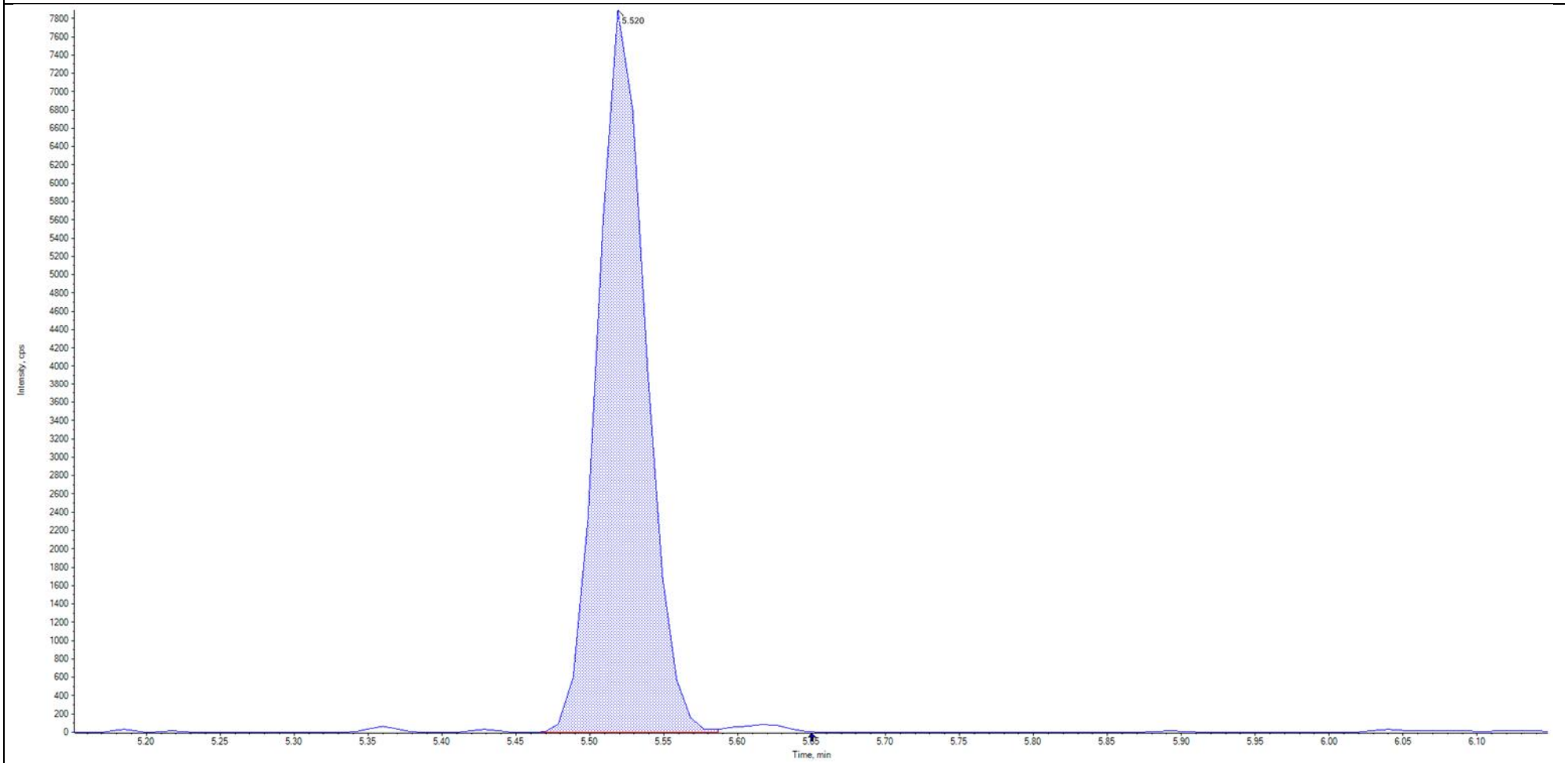
13C7-PFUnA
Sample: WG2011107-4D,,10



13C2-PFDoA
Sample: WG2011107-4D,,10



13C2-PFTeDA
Sample: WG2011107-4D,,10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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13C3-PFBS
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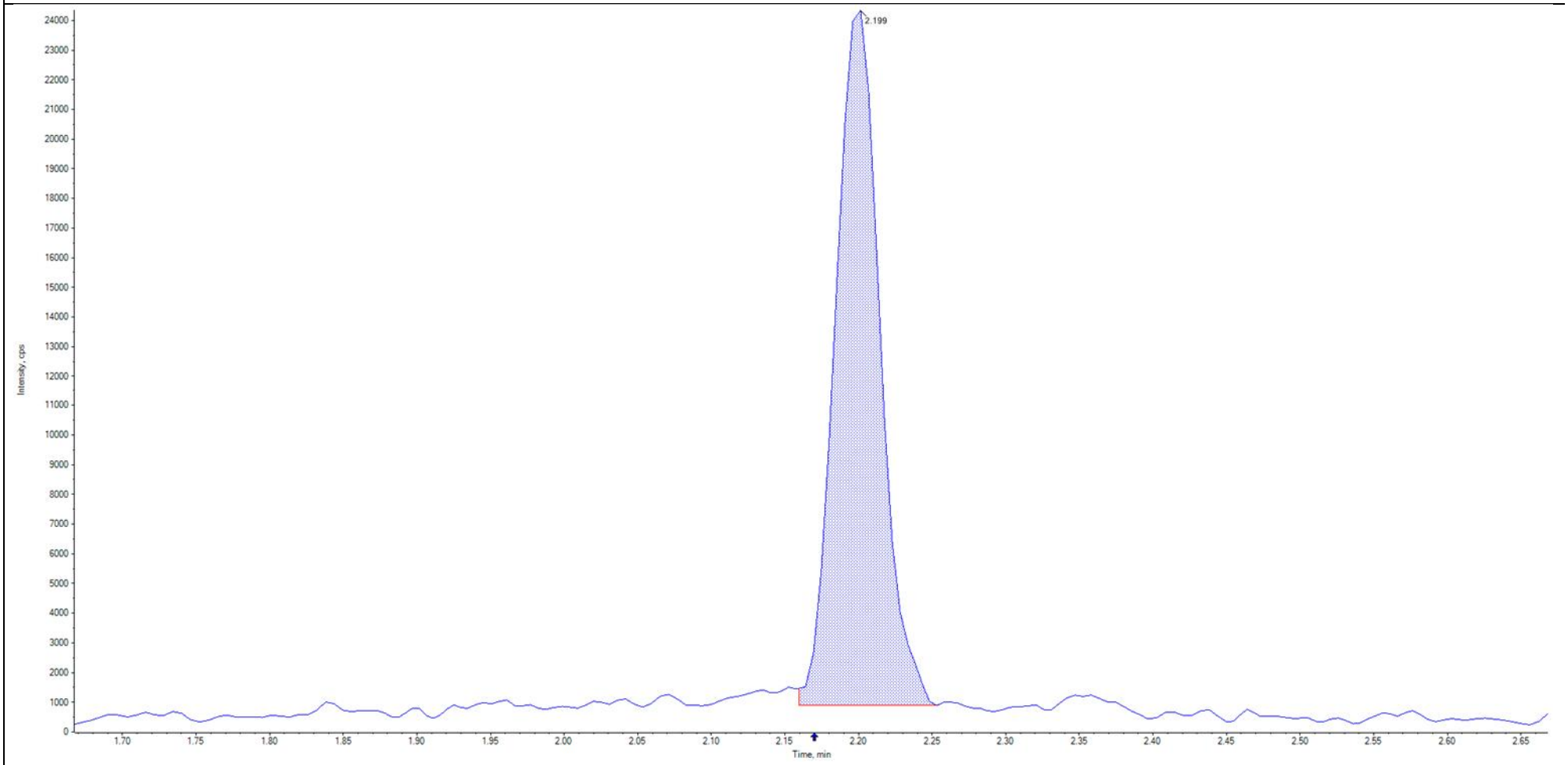
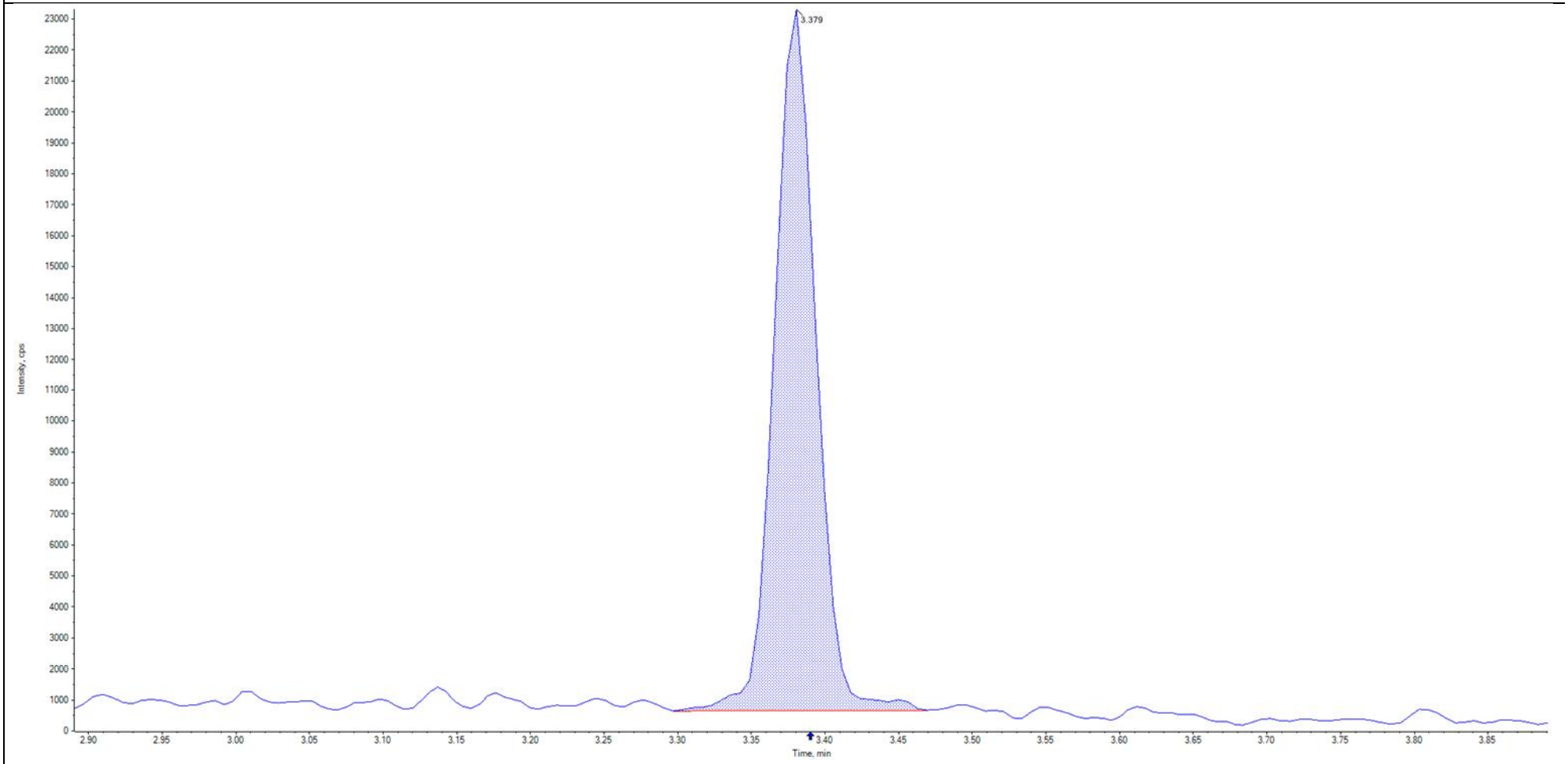


13C3-PFHxS
Sample: WG2011107-4D,,10



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Alpha Analytical LLC
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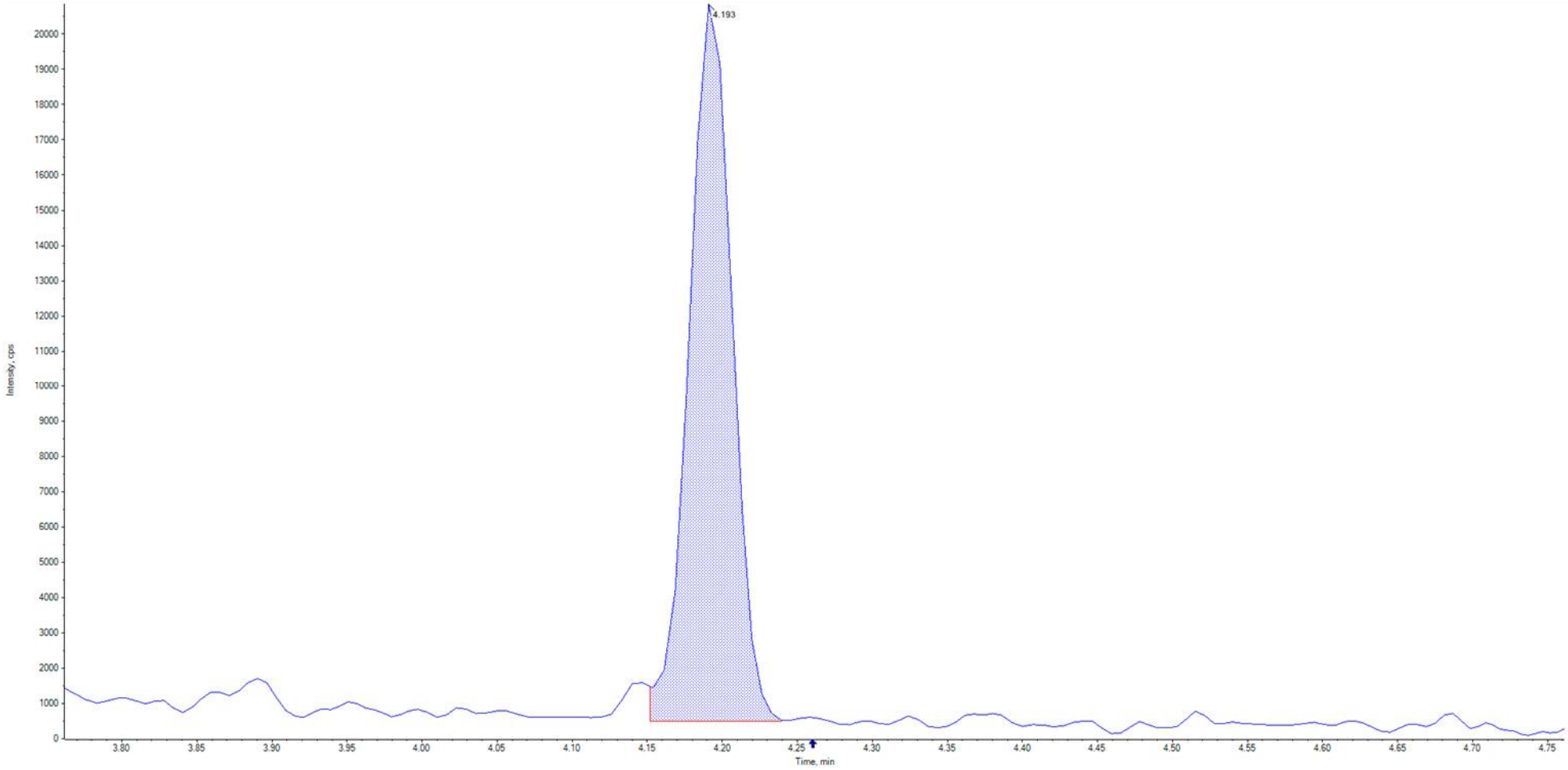
13C8-PFOS
Sample: WG2011107-4D,,10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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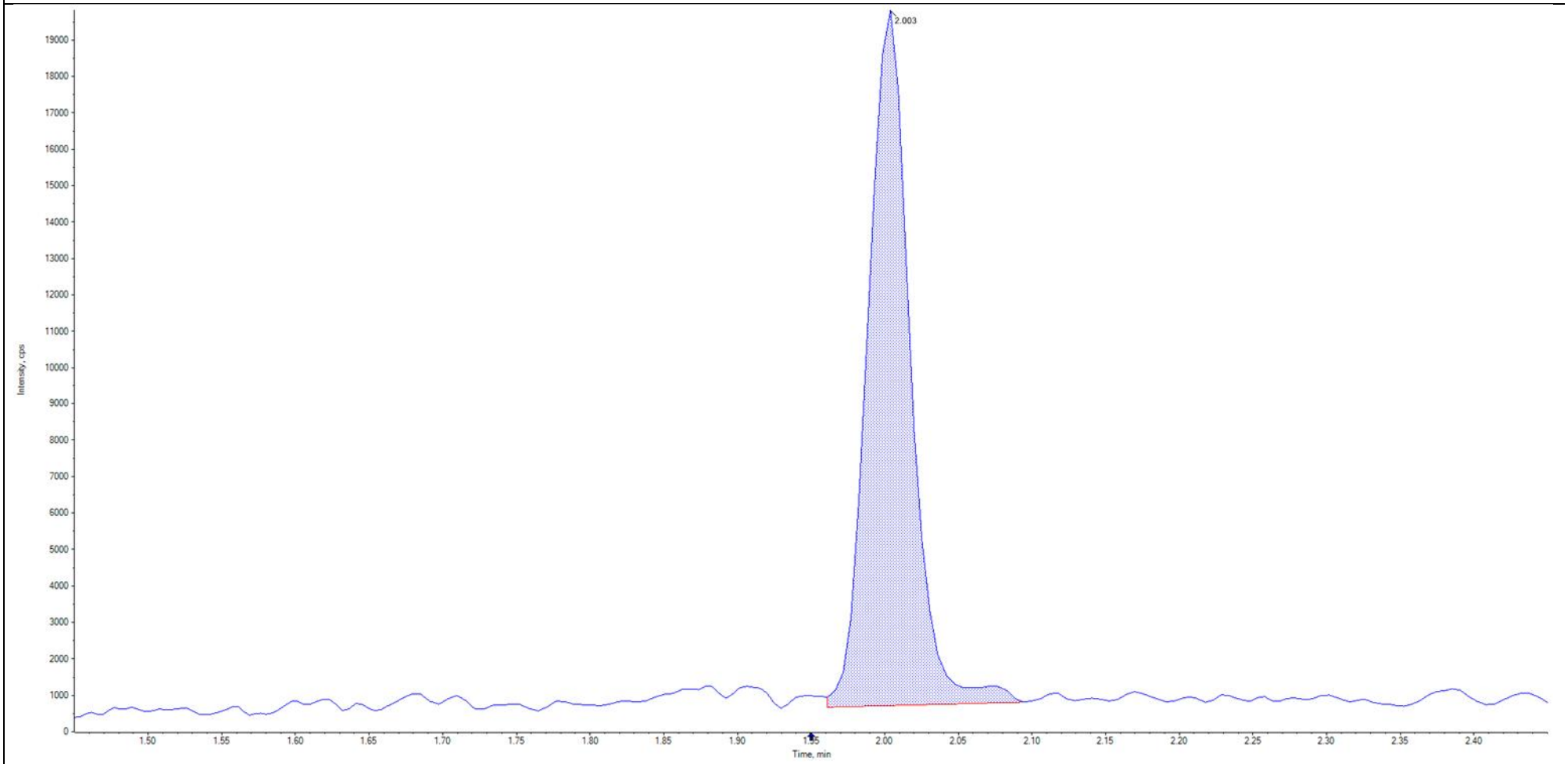
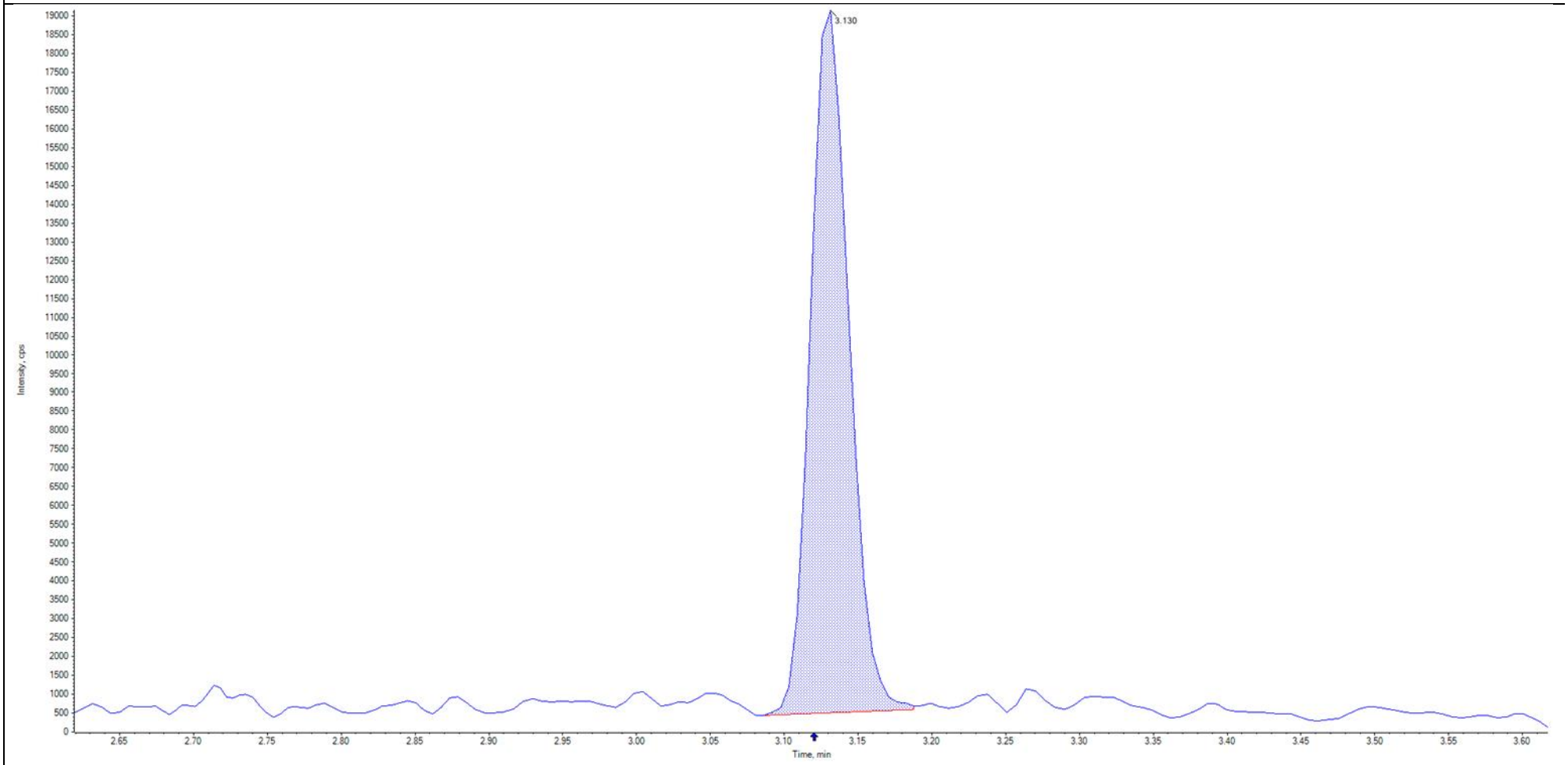
Generated: 12/20/2024 6:09:50 AM

13C2-4:2FTS
Sample: WG2011107-4D,,10



13C2-6:2FTS
Sample: WG2011107-4D,,10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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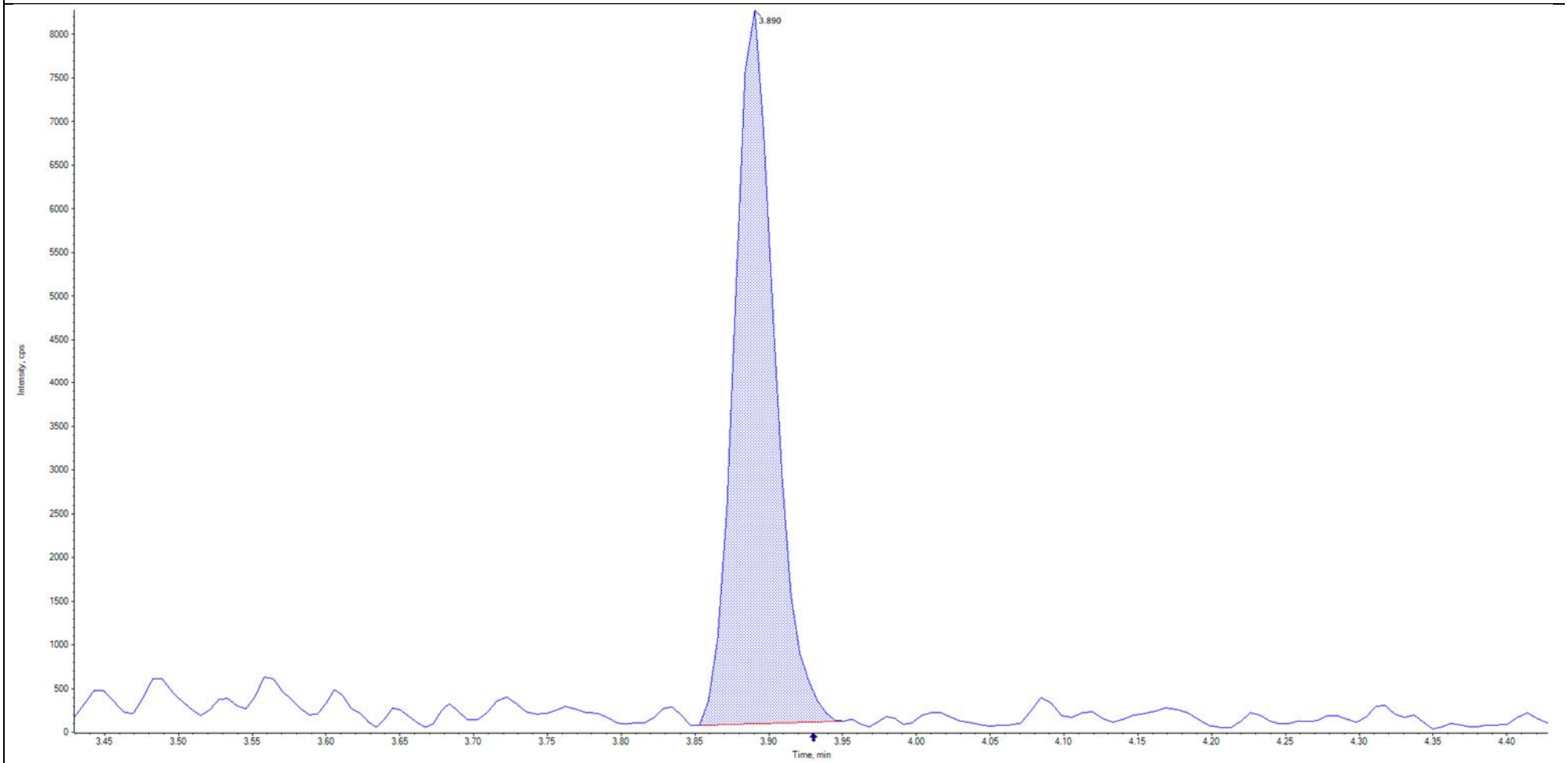
13C2-8:2FTS
Sample: WG2011107-4D,,10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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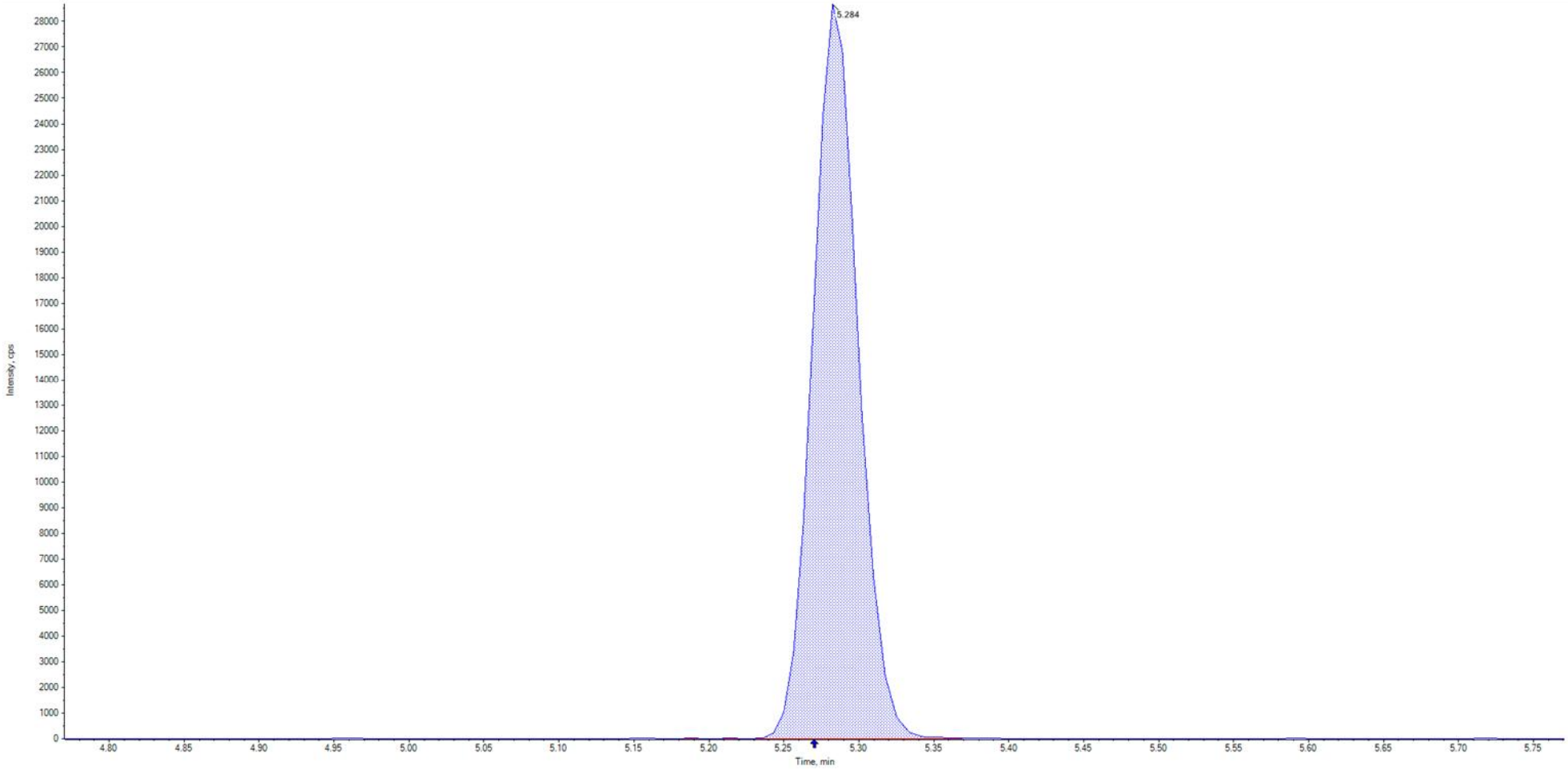
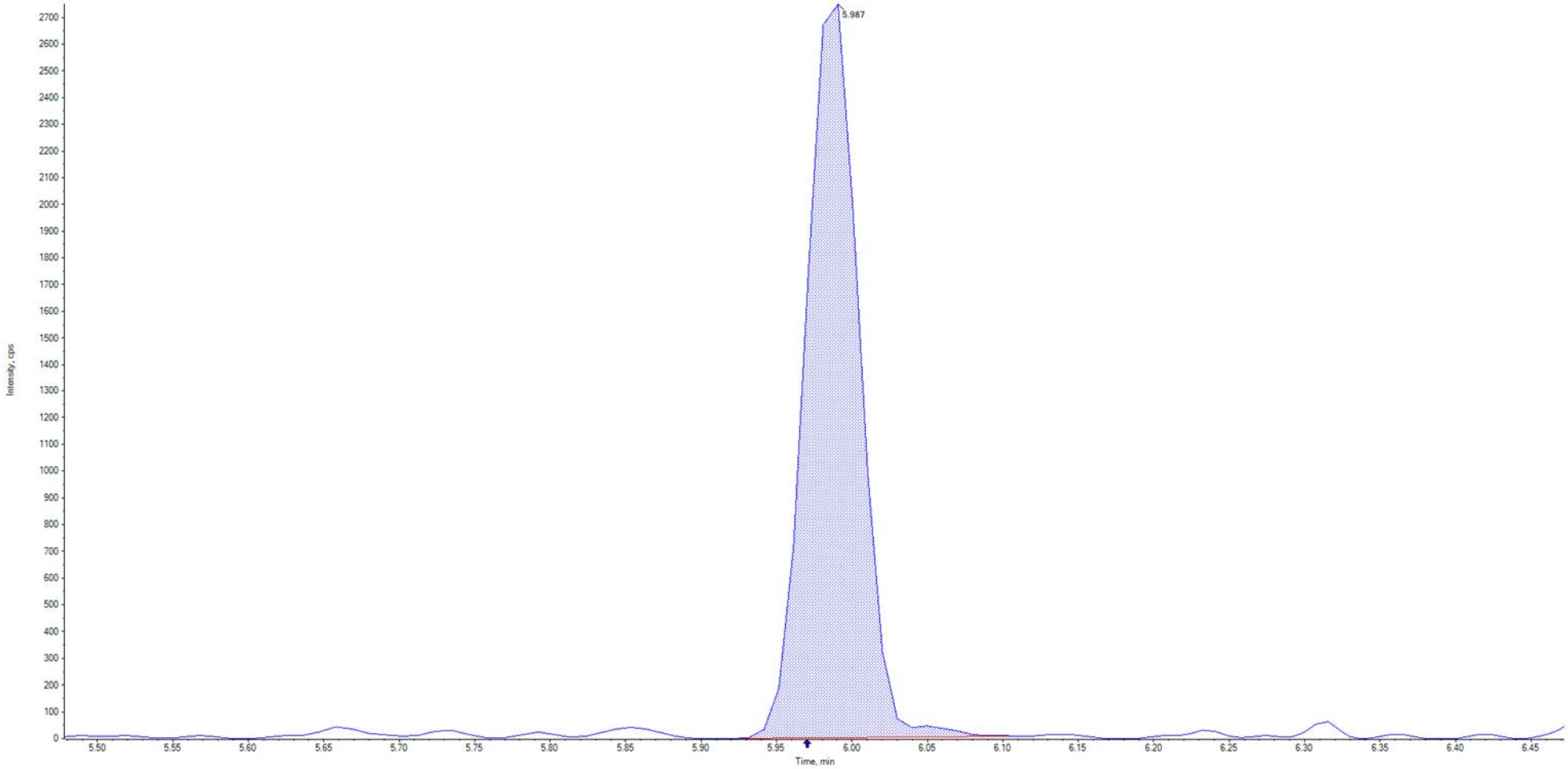
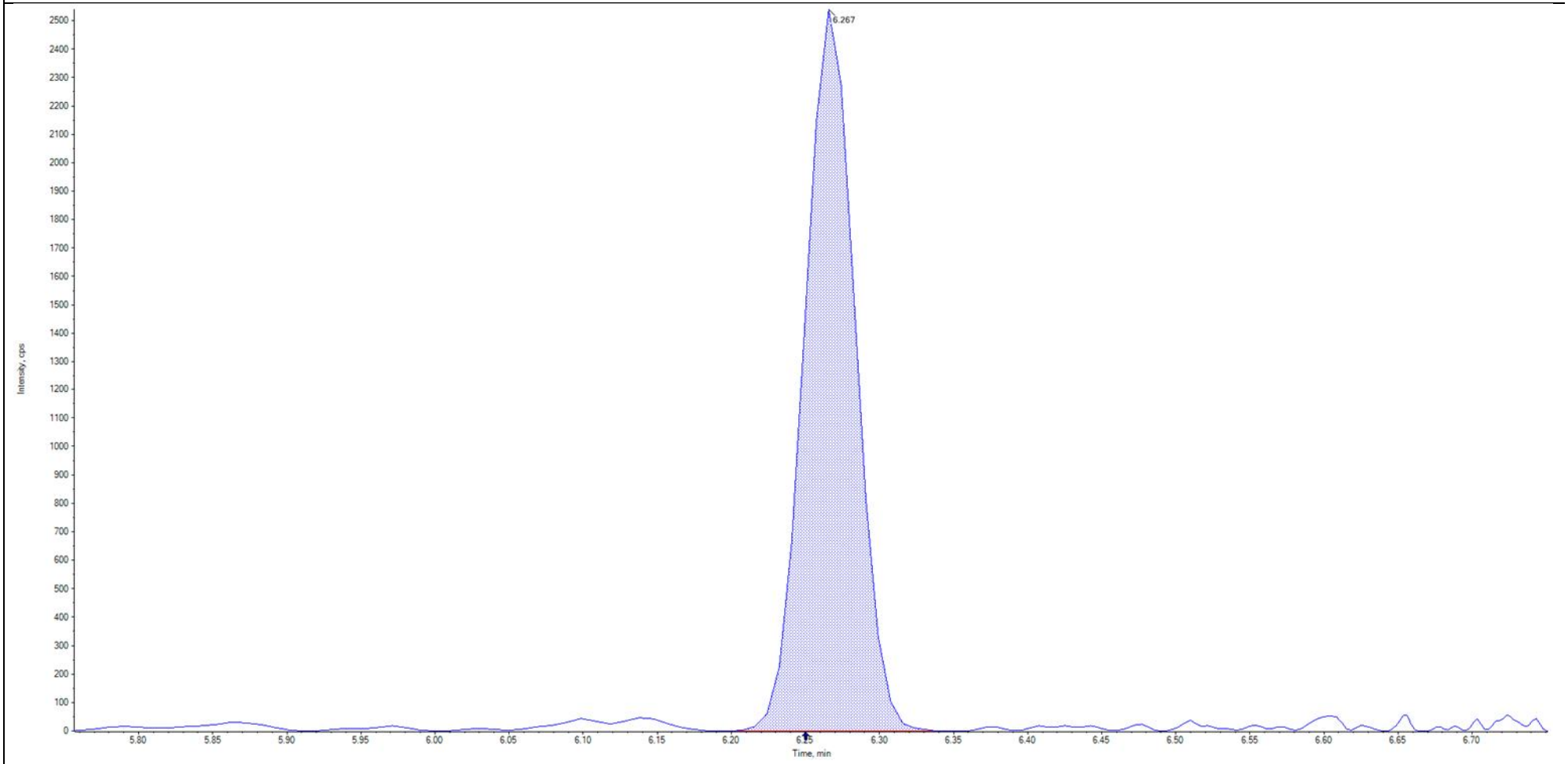
13C8-PFOSA
Sample: WG2011107-4D,,10



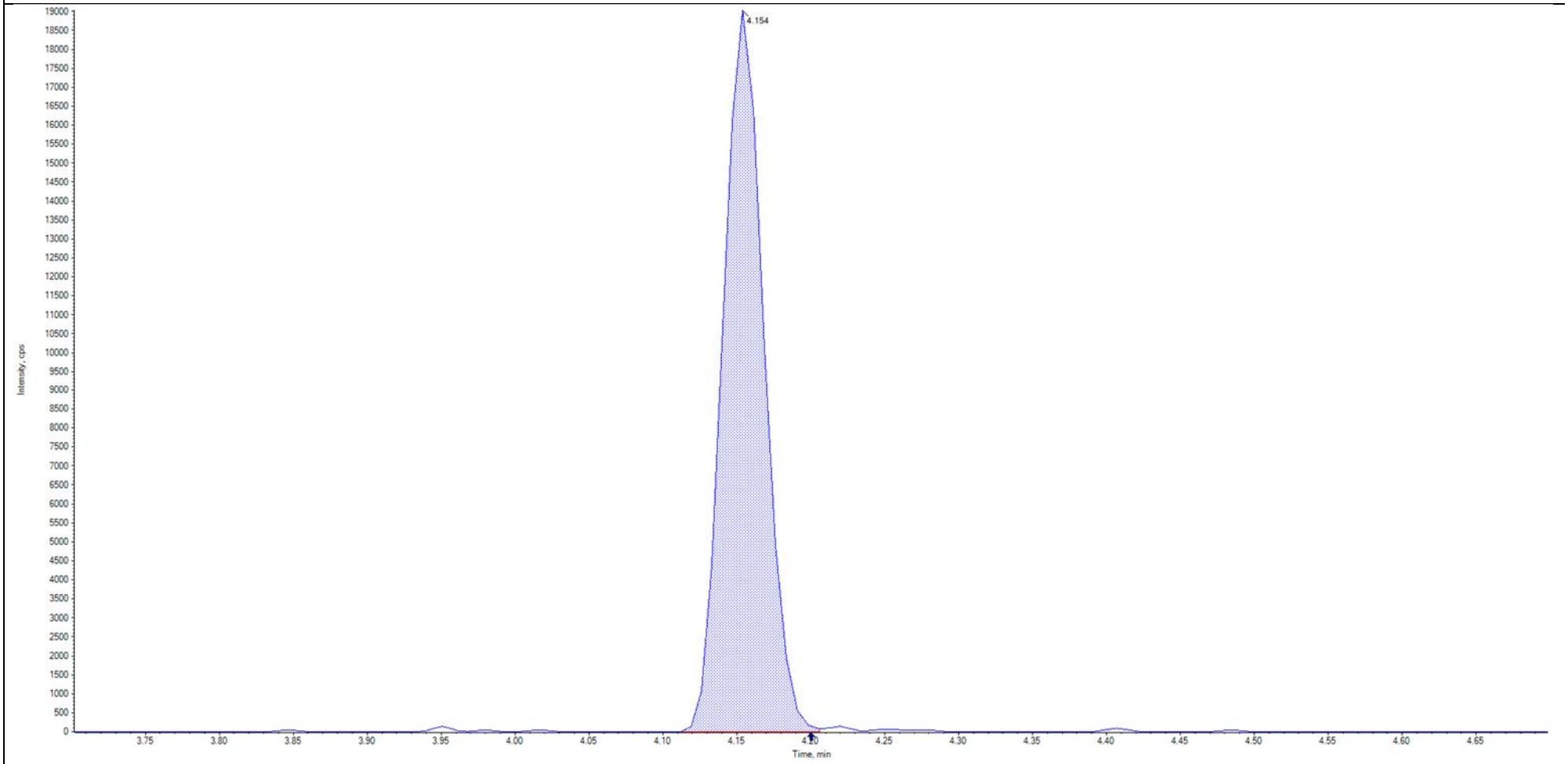
d3-NMeFOSA
Sample: WG2011107-4D,,10



d5-NEtFOSA
Sample: WG2011107-4D,,10



d3-NMeFOSAA
Sample: WG2011107-4D,,10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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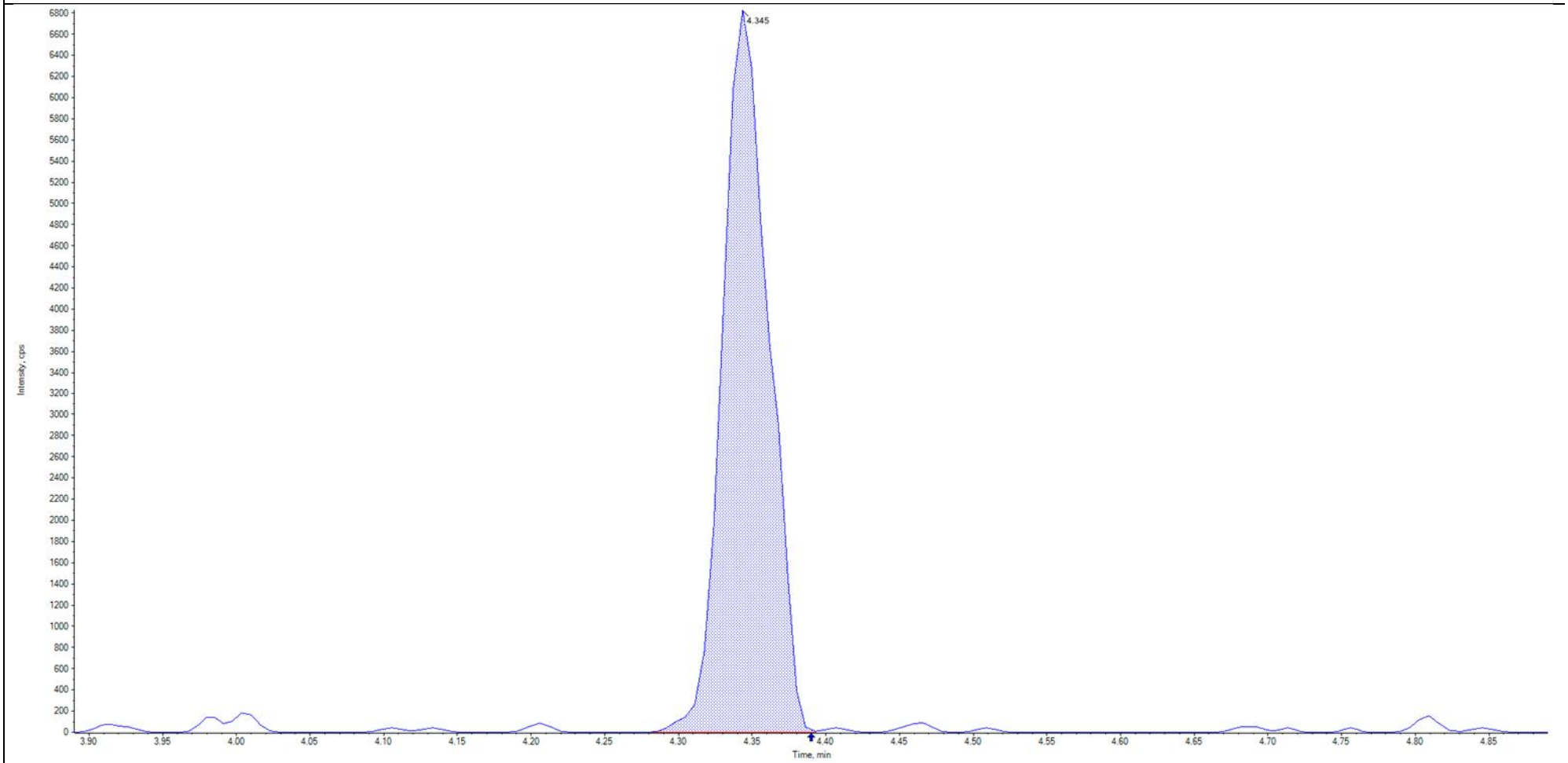
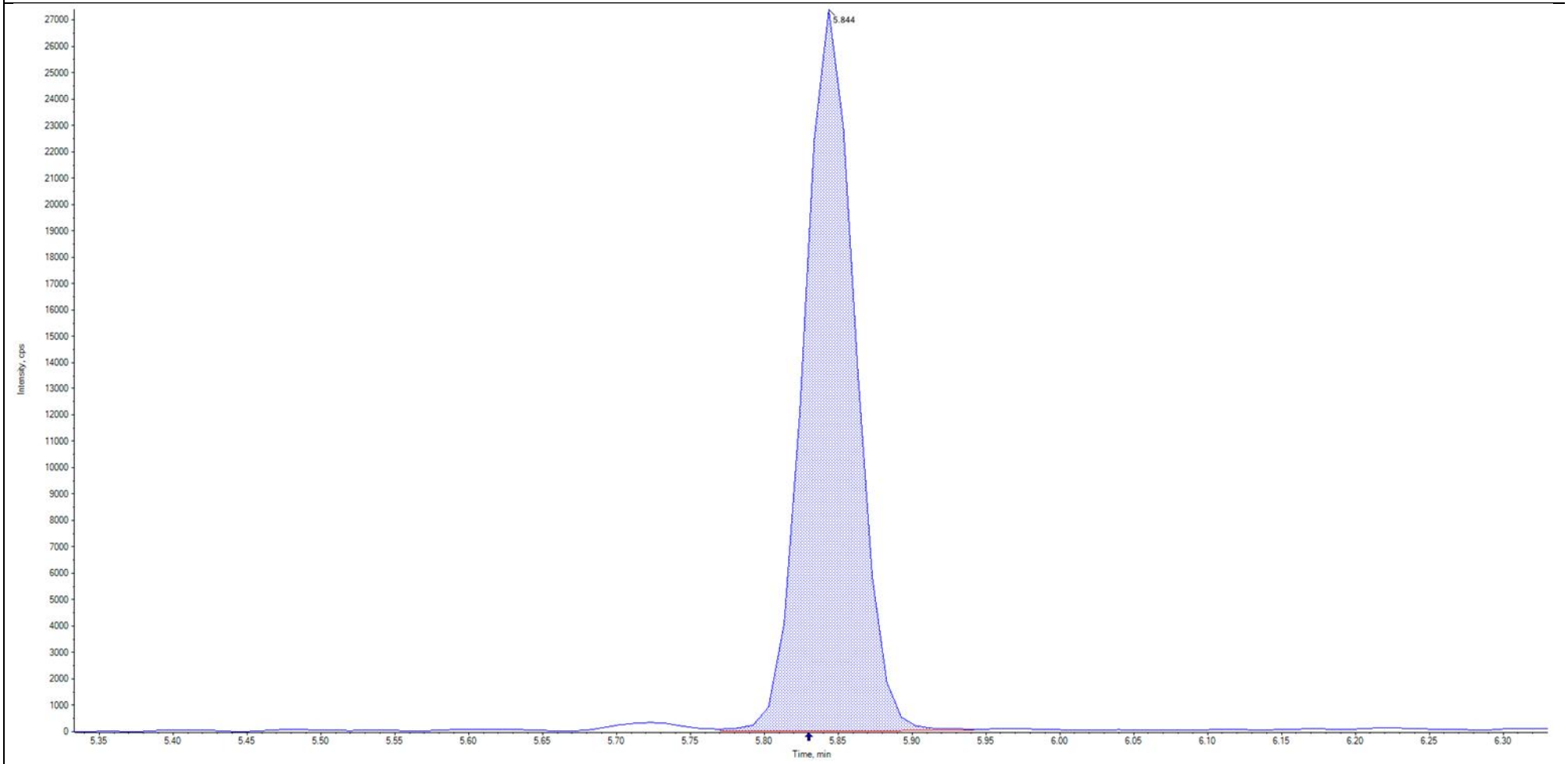
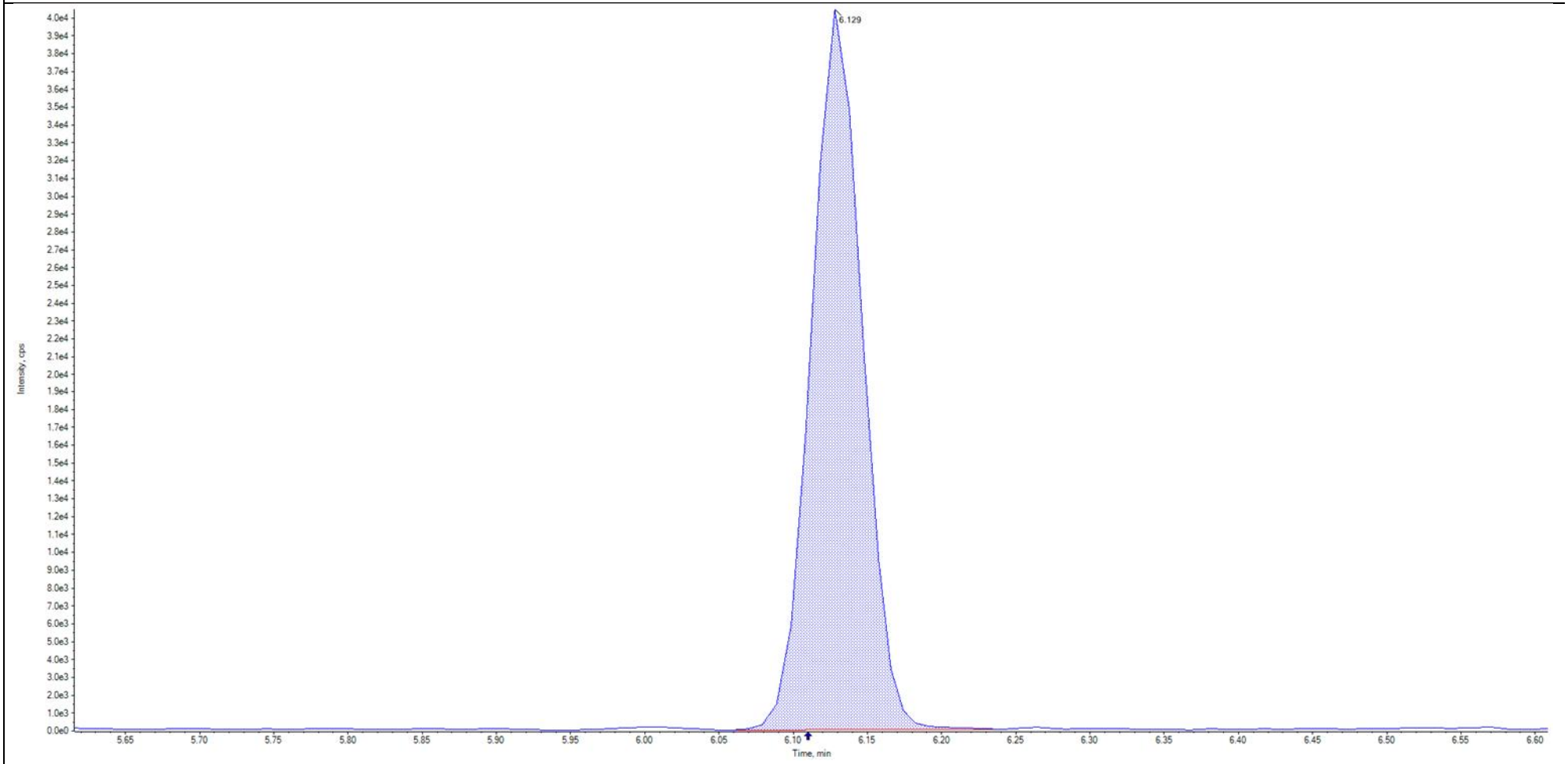
d5-NEtFOSAA
Sample: WG2011107-4D,,10



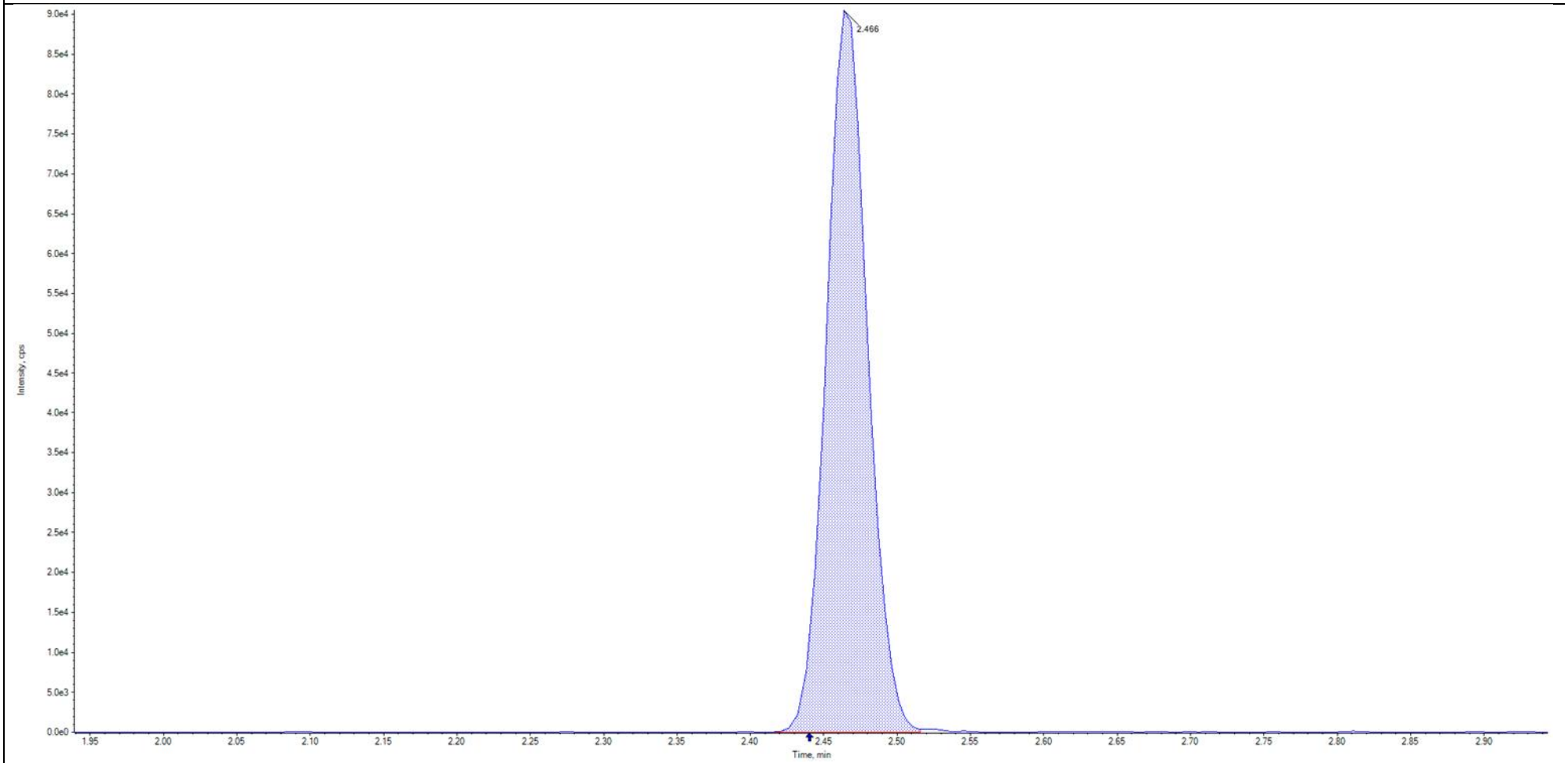
d7-NMeFOSE
Sample: WG2011107-4D,,10



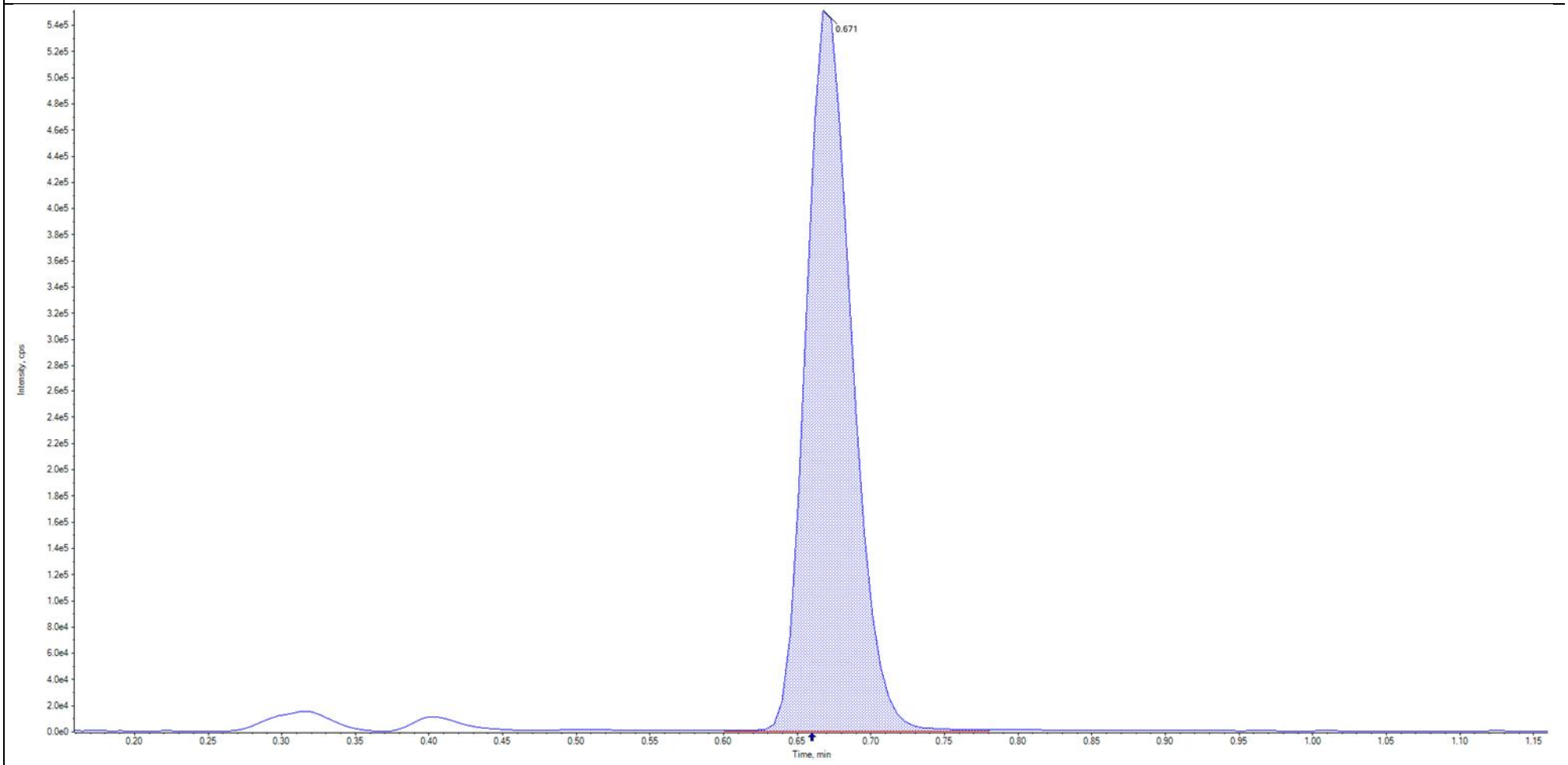
d9-NEtFOSE
Sample: WG2011107-4D,,10



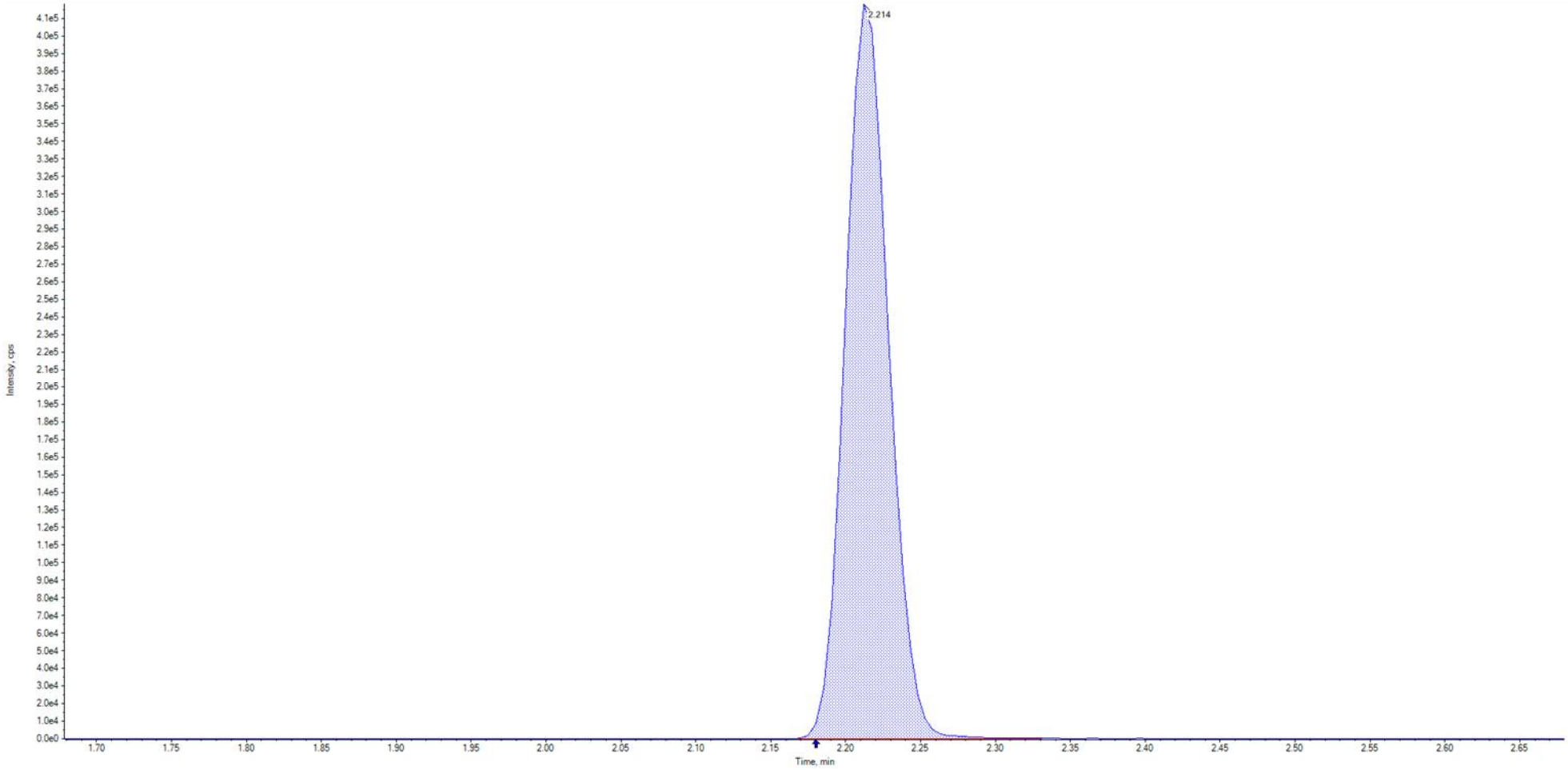
13C3-HFPO-DA
Sample: WG2011107-4D,,10



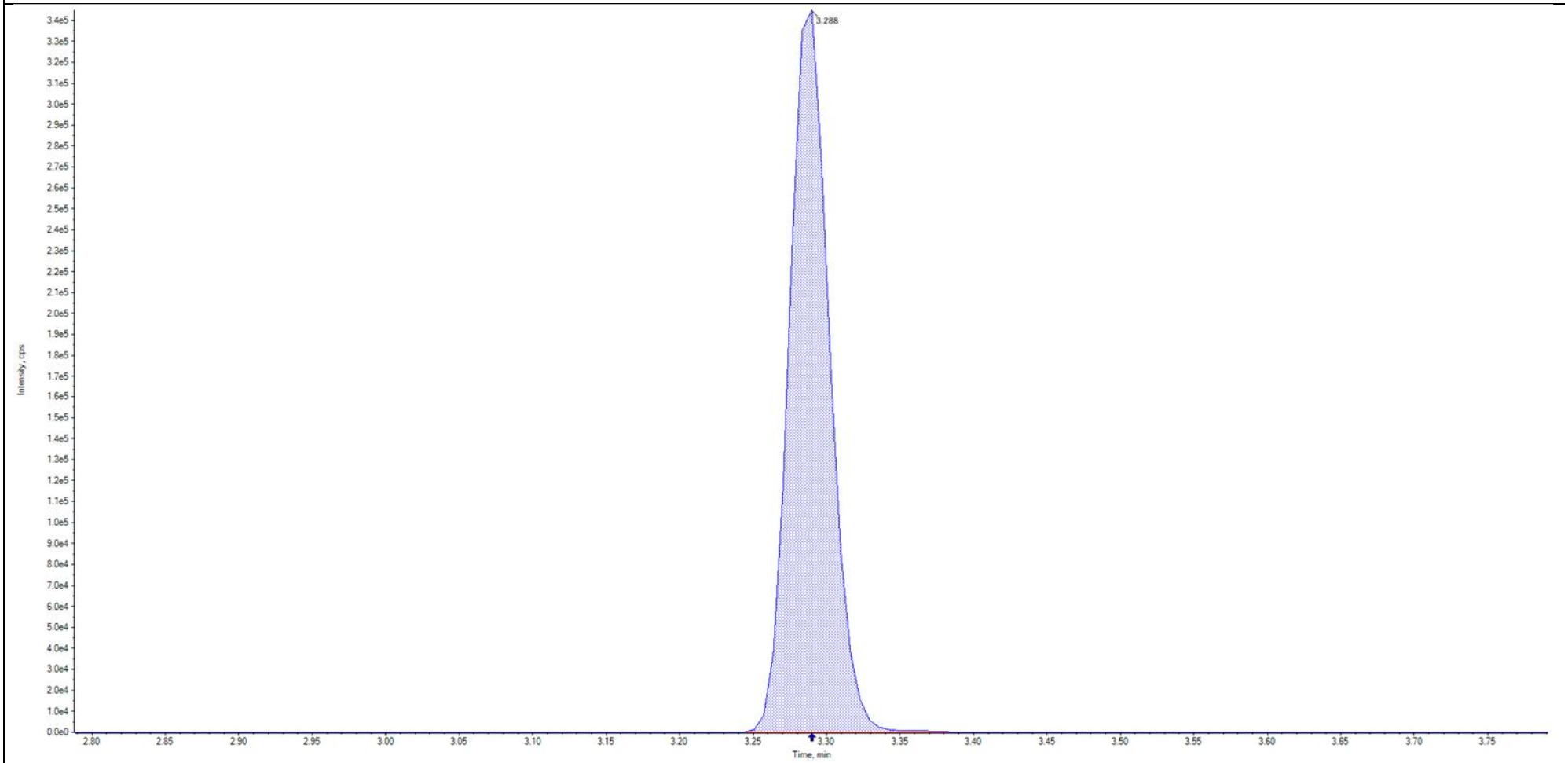
13C3-PFBA
Sample: WG2011107-4D,,10



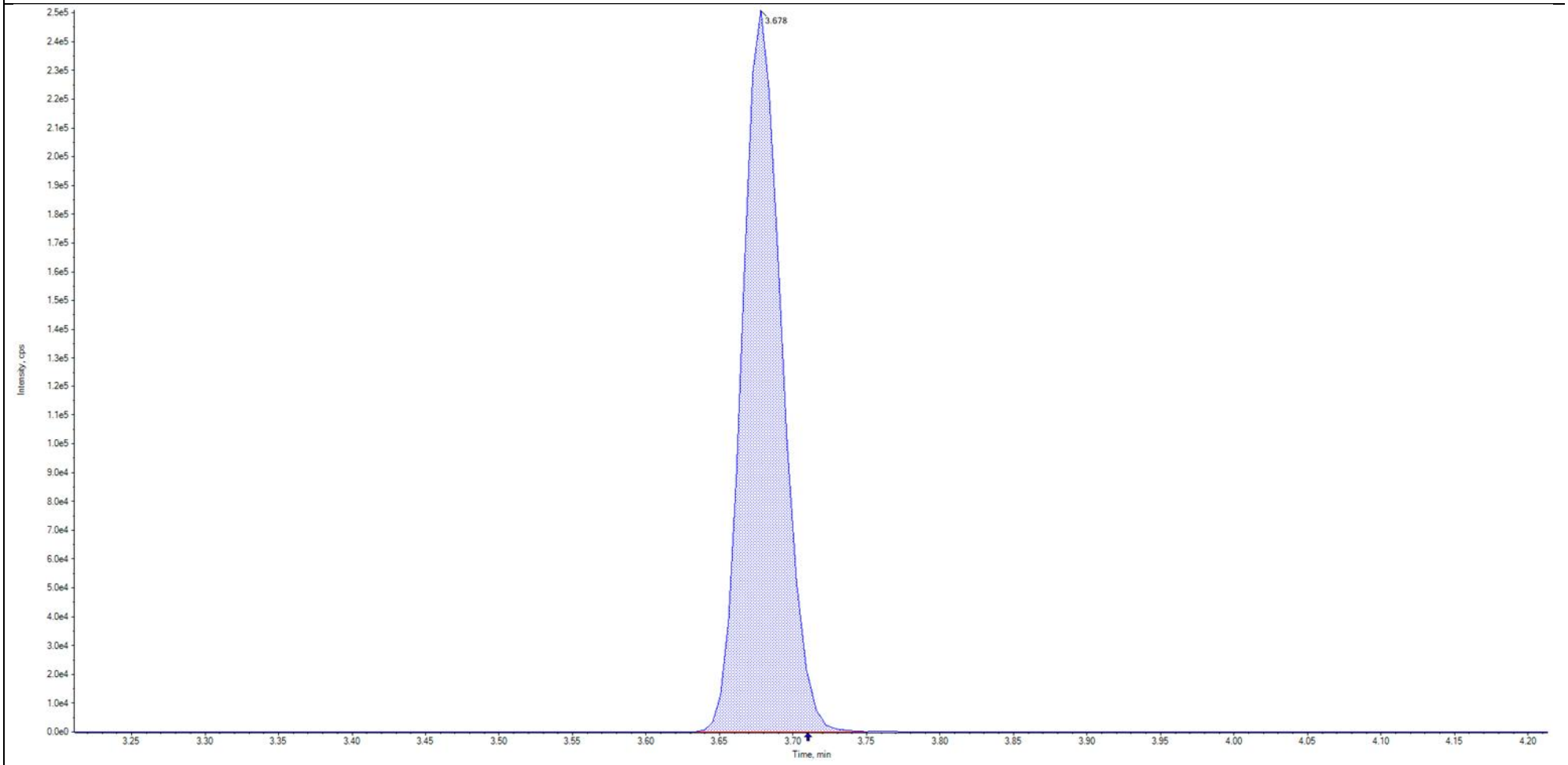
13C2-PFHxA
Sample: WG2011107-4D,,10



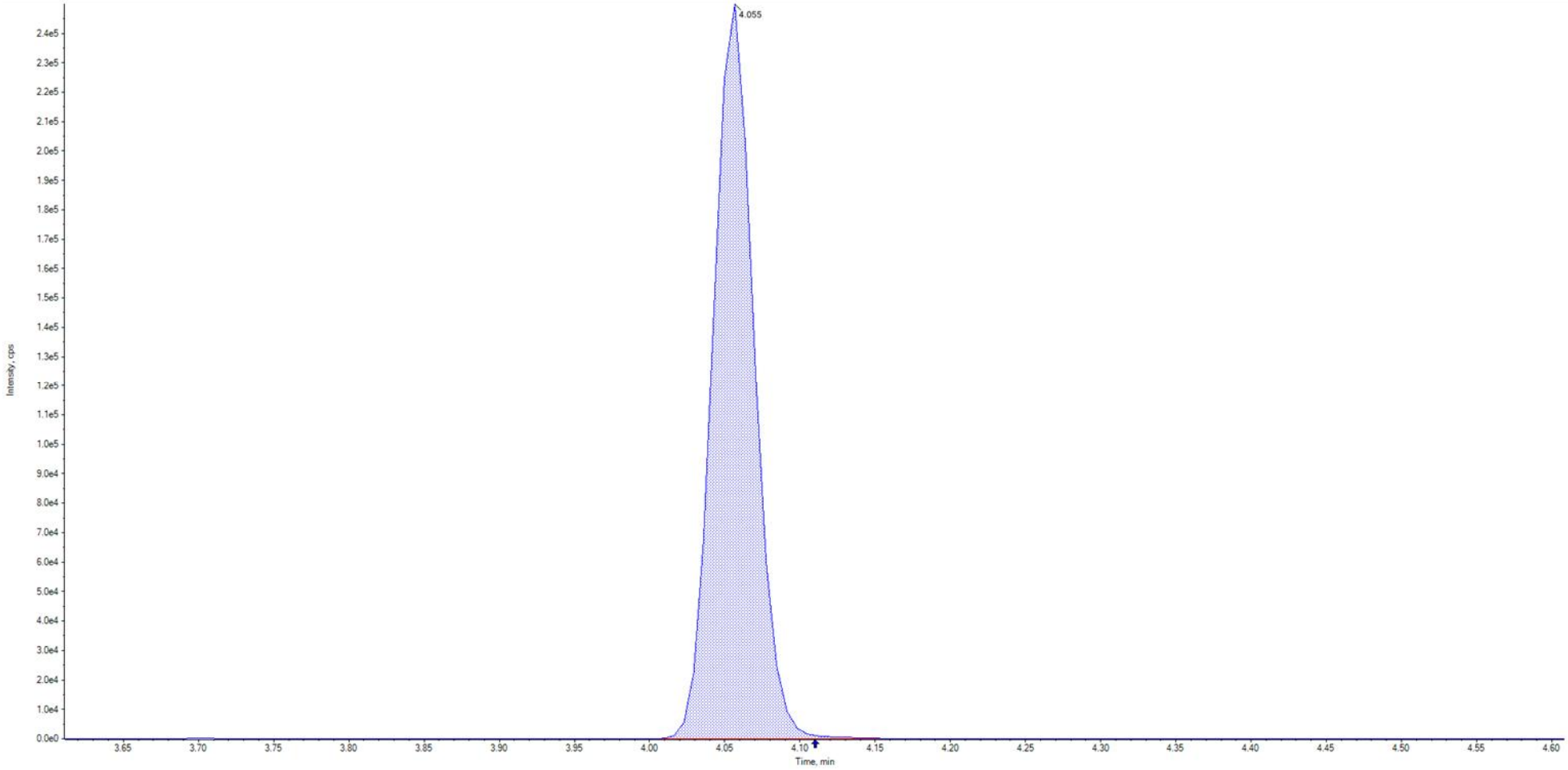
13C4-PFOA
Sample: WG2011107-4D,,10



13C5-PFNA
Sample: WG2011107-4D,,10



13C2-PFDA
Sample: WG2011107-4D,,10



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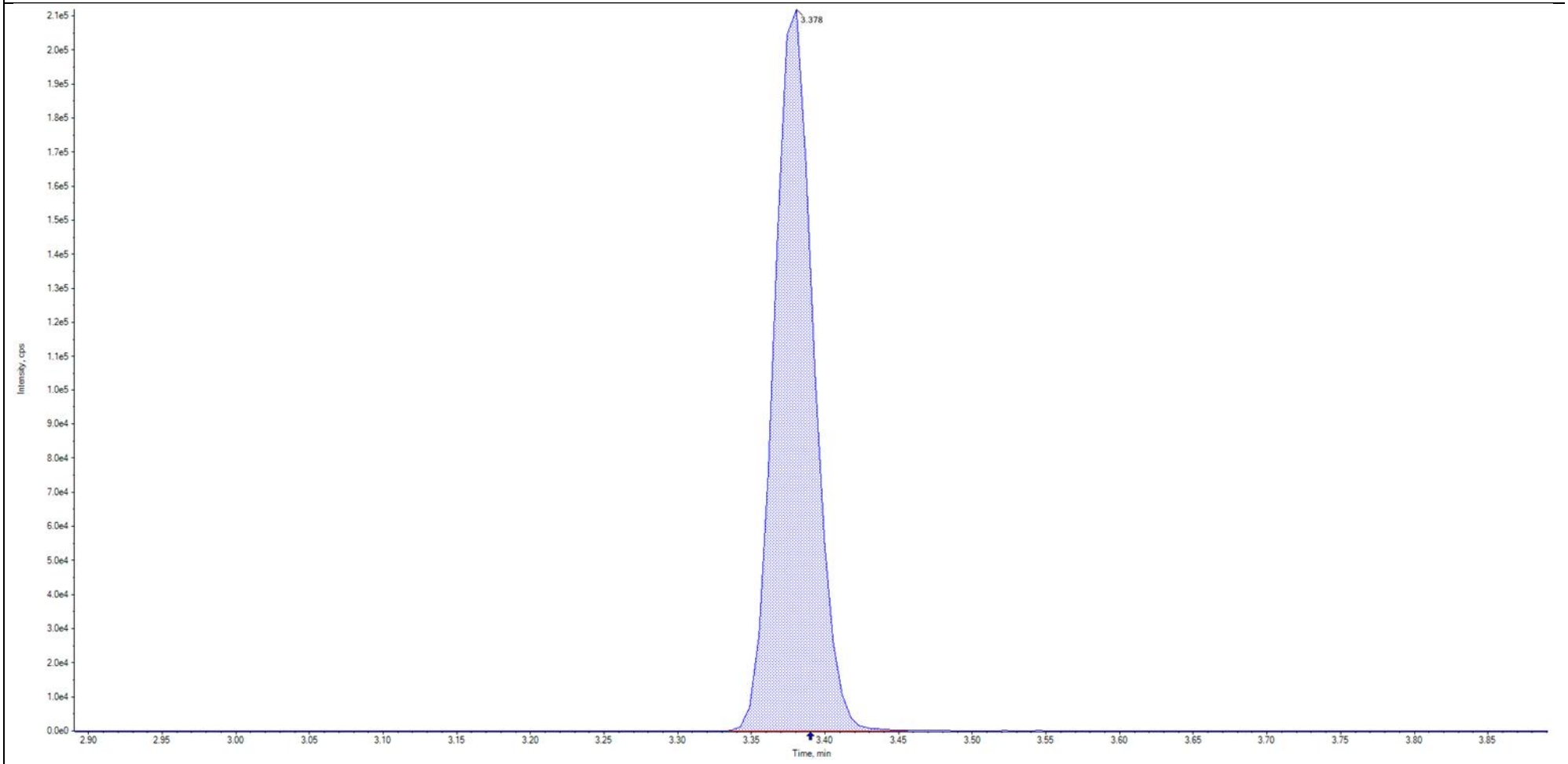

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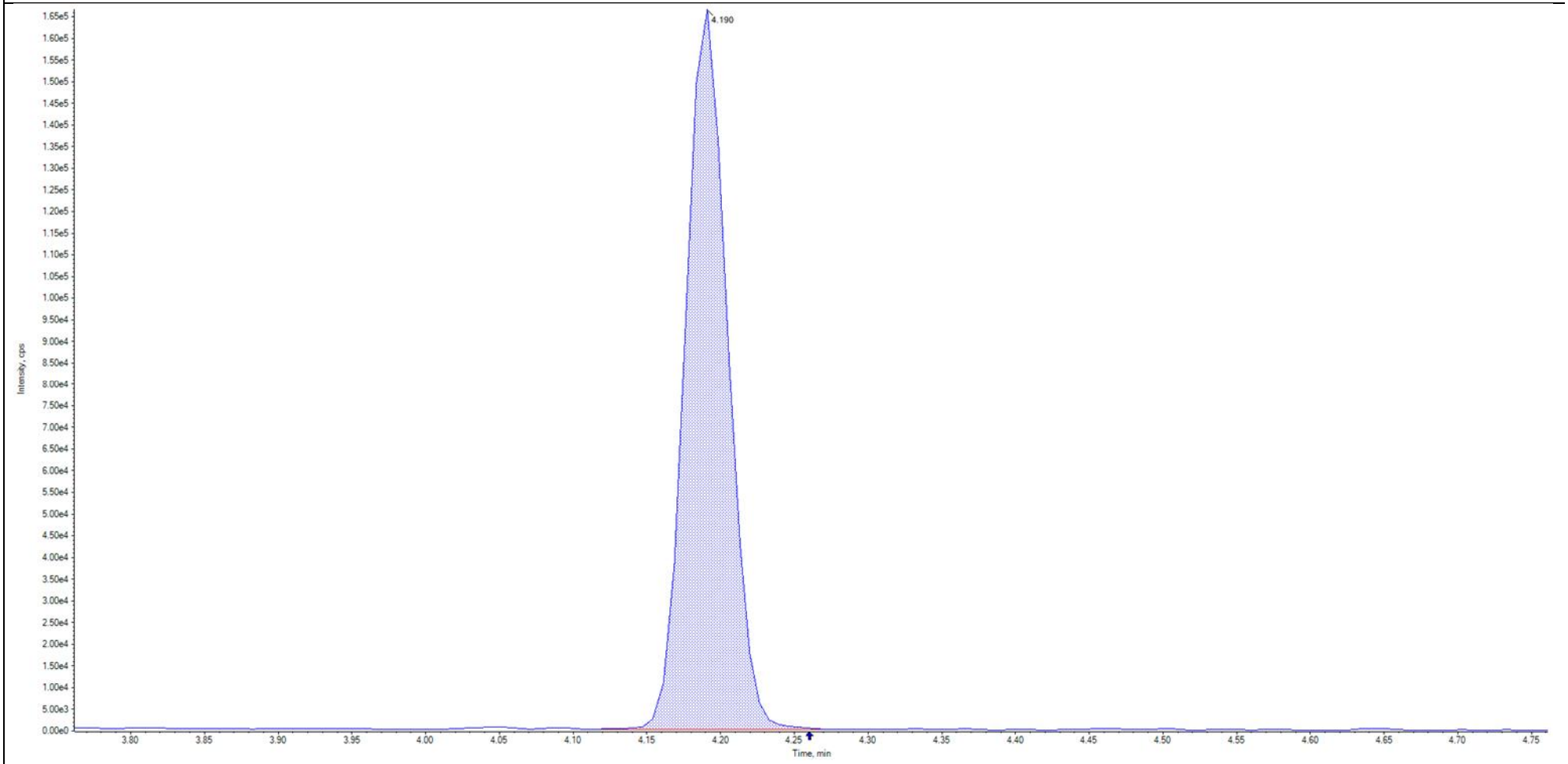

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Alpha Analytical LLC
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Alpha Analytical LLC
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Method: EPA1633F.qmethod
Calibration: 241115_EPA1633_ICAL

ID: WG2011107-5
Name: SCI05_241219_89.wiff2
Date & Time: 2024-12-19T23:13:48
Description: WG2011094,WG2011107,ICAL21712
Instrument: SCIEX Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.67	213.0 / 169.0	676292		11.650	N/A	N/A	N/A	116.5
2	PFPeA	2706-90-3	1.37	263.0 / 219.0	620683		7.104	0.006	N/A	N/A	142.1
3	PFPeA_2	2706-90-3	1.37	263.0 / 68.9	3863	M4	5.957	0.006	N/A	N/A	119.1
4	PFHxA	307-24-4	2.19	313.0 / 269.0	487282		2.278	0.072	0.089	Pass	91.1
5	PFHxA_2	307-24-4	2.19	313.0 / 119.0	35092		2.222	0.072	0.089	Pass	88.9
6	PFHpA	375-85-9	2.84	363.1 / 319.0	533212		1.568	0.299	0.332	Pass	62.7
7	PFHpA_2	375-85-9	2.84	363.1 / 169.0	159455		1.463	0.299	0.332	Pass	58.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.27	413.1 / 369.1	1076843	M5	5.860	0.351	0.369	Pass	234.4
9	PFOA_2	335-67-1	3.27	413.1 / 169.0	377854	M5	5.569	0.351	0.369	Pass	222.8
10	PFNA	375-95-1	3.66	462.8 / 418.9	510274	M5	2.698	0.300	0.303	Pass	107.9
11	PFNA_2	375-95-1	3.66	462.8 / 219.0	153280	M5	2.716	0.300	0.303	Pass	108.6
12	PFDA	335-76-2	4.04	513.1 / 469.1	519659		2.799	0.155	0.162	Pass	111.9
13	PFDA_2	335-76-2	4.04	513.1 / 219.0	80688		2.632	0.155	0.162	Pass	105.3
14	PFUnA	2058-94-8	4.42	563.1 / 519.1	407369		2.747	0.192	0.199	Pass	109.9
15	PFUnA_2	2058-94-8	4.42	563.1 / 269.0	78159		2.717	0.192	0.199	Pass	108.7
16	PFDoA	307-55-1	4.79	613.1 / 569.1	379475		2.542	0.202	0.180	Pass	101.7
17	PFDoA_2	307-55-1	4.79	613.1 / 319.0	76684		2.778	0.202	0.180	Pass	111.1
18	PFTrDA	72629-94-8	5.16	663.1 / 619.1	369336		2.495	0.151	0.160	Pass	99.8
19	PFTrDA_2	72629-94-8	5.16	663.1 / 169.0	55762		2.340	0.151	0.160	Pass	93.6
20	PFTeDA	376-06-7	5.52	713.1 / 669.1	364034		2.616	0.150	0.149	Pass	104.6
21	PFTeDA_2	376-06-7	5.52	713.1 / 169.0	54471		2.682	0.150	0.149	Pass	107.3
22	PFBS	375-73-5	2.17	299.1 / 80.1	276952		2.238	0.429	0.388	Pass	100.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.17	299.1 / 99.1	118947	M4	2.418	0.429	0.388	Pass	108.9
24	PFPeS	2706-91-4	2.89	349.1 / 80.1	290200	M4	2.462	0.305	0.297	Pass	104.8
25	PFPeS_2	2706-91-4	2.89	349.1 / 99.1	88495		2.586	0.305	0.297	Pass	110.1
26	PFHxS	355-46-4	3.36	399.1 / 80.1	305682	M5	2.876	0.296	0.296	Pass	126.2
27	PFHxS_2	355-46-4	3.36	399.1 / 99.1	90382	M5	2.765	0.296	0.296	Pass	121.3
28	PFHpS	375-92-8	3.78	449.1 / 80.1	289920		2.667	0.254	0.258	Pass	112.1
29	PFHpS_2	375-92-8	3.78	449.1 / 99.1	73513		2.571	0.254	0.258	Pass	108.0
30	PFOS	1763-23-1	4.18	499.1 / 80.1	451077	M5	3.761	0.220	0.233	Pass	162.1
31	PFOS_2	1763-23-1	4.18	499.1 / 99.1	99154	M5	3.706	0.220	0.233	Pass	159.7
32	PFNS	68259-12-1	4.57	549.1 / 80.1	188216		2.384	0.310	0.296	Pass	99.3
33	PFNS_2	68259-12-1	4.57	549.1 / 99.1	58305		2.522	0.310	0.296	Pass	105.1
34	PFDS	335-77-3	4.95	599.1 / 80.1	169088		2.177	0.267	0.272	Pass	90.3
35	PFDS_2	335-77-3	4.95	599.1 / 99.1	45229		2.078	0.267	0.272	Pass	86.2
36	PFDoS	79780-39-5	5.67	699.2 / 80.1	143283		2.013	0.256	0.263	Pass	83.2
37	PFDoS_2	79780-39-5	5.67	699.2 / 99.1	36720		1.965	0.256	0.263	Pass	81.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.97	327.1 / 307.1	1128909		9.776	0.557	0.559	Pass	104.3
39	4:2FTS_2	757124-72-4	1.97	327.1 / 81.1	628854	M4	9.648	0.557	0.559	Pass	103.0
40	6:2FTS	27619-97-2	3.11	427.2 / 407.2	1121756		11.336	0.609	0.593	Pass	119.2
41	6:2FTS_2	27619-97-2	3.11	427.2 / 81.1	682867		11.119	0.609	0.593	Pass	116.9
42	8:2FTS	39108-34-4	3.87	527.2 / 507.2	593775		11.468	0.764	0.759	Pass	119.5
43	8:2FTS_2	39108-34-4	3.87	527.2 / 81.1	453664		11.800	0.764	0.759	Pass	122.9
44	PFOSA	754-91-6	5.28	498.1 / 78.1	408767	M5	2.902	0.025	0.023	Pass	116.1
45	PFOSA_2	754-91-6	5.28	498.1 / 478.0	10152	M5	3.044	0.025	0.023	Pass	121.8
46	NMeFOSA	31506-32-8	5.99	512.2 / 219.0	54767	M5	2.545	1.475	1.457	Pass	101.8
47	NMeFOSA_2	31506-32-8	5.93	512.2 / 169.0	80754	M5	2.584	1.475	1.457	Pass	103.4
48	NEtFOSA	4151-50-2	6.28	526.2 / 219.0	52248	M5	2.721	1.255	1.309	Pass	108.8
49	NEtFOSA_2	4151-50-2	6.23	526.2 / 169.0	65594	M5	2.603	1.255	1.309	Pass	104.1
50	NMeFOSAA	2355-31-9	4.14	570.2 / 419.1	93413	M5	3.626	0.590	0.804	Pass	145.0
51	NMeFOSAA_2	2355-31-9	4.14	570.2 / 483.0	55159		2.805	0.590	0.804	Pass	112.2
52	NEtFOSAA	2991-50-6	4.34	584.2 / 419.1	94433	M5	2.953	0.431	0.419	Pass	118.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.34	584.2 / 526.2	40677	M5	2.886	0.431	0.419	Pass	115.4
54	NMeFOSE	24448-09-7	5.86	616.1 / 58.9	1261673	M5	24.973	N/A	N/A	N/A	99.9
55	NEtFOSE	1691-99-2	6.15	630.0 / 58.9	1866092		25.061	N/A	N/A	N/A	100.3
56	HFPO-DA	13252-13-6	2.44	285.0 / 169.0	1303985		12.248	0.424	0.685	Pass	122.5
57	HFPO-DA_2	13252-13-6	2.44	285.0 / 184.9	553119		7.936	0.424	0.685	Pass	79.4
58	ADONA	919005-14-4	3.00	376.9 / 251.0	2635138		8.995	0.575	0.884	Pass	95.2
59	ADONA_2	919005-14-4	3.00	376.9 / 84.8	1514224		5.138	0.575	0.884	Pass	54.4
60	9Cl-PF3ONS	756426-58-1	4.45	530.8 / 351.1	2755725		10.651	0.311	0.325	Pass	114.2
61	9Cl-PF3ONS_2	756426-58-1	4.45	532.8 / 353.0	857216		10.160	0.311	0.325	Pass	108.9
62	11Cl-PF3OUdS	763051-92-9	5.20	630.9 / 451.0	1433377		8.423	0.346	0.338	Pass	89.3
63	11Cl-PF3OUdS_2	763051-92-9	5.20	632.9 / 452.9	495756		8.304	0.346	0.338	Pass	88.1
64	3:3FTCA	356-02-5	1.85	241.1 / 177.1	134030		27.094	0.859	1.433	Pass	216.8
65	3:3FTCA_2	356-02-5	1.85	241.1 / 117.0	115146		15.135	0.859	1.433	Pass	121.1
66	5:3FTCA	914637-49-3	3.28	341.1 / 237.1	2679427		53.021	0.991	0.935	Pass	84.8
67	5:3FTCA_2	914637-49-3	3.28	341.1 / 217.0	2655635		56.777	0.991	0.935	Pass	90.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.18	441.1 / 316.9	3095369		104.117	1.237	1.712	Pass	166.6
69	7:3FTCA_2	812-70-4	4.18	441.1 / 337.1	3830320		84.909	1.237	1.712	Pass	135.9
70	PFEESA	113507-82-7	2.53	315.1 / 135.0	1619987		3.842	0.089	0.084	Pass	86.2
71	PFEESA_2	113507-82-7	2.53	315.1 / 82.9	143698		3.999	0.089	0.084	Pass	89.7
72	PFMPA	377-73-1	0.85	229.0 / 85.0	602070		7.742	N/A	N/A	N/A	154.8
73	PFMBA	863090-89-5	1.67	279.0 / 85.0	766202		6.061	N/A	N/A	N/A	121.2
74	NFDHA	151772-58-6	2.11	295.0 / 201.0	309753		4.253	0.697	0.781	Pass	85.1
75	NFDHA_2	151772-58-6	2.11	295.0 / 84.9	215743		3.856	0.697	0.781	Pass	77.1
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.150	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.150	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.67	217.0 / 172.0	688258		6.000	NA	NA	NA	60.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.37	268.0 / 223.0	504641		2.892	NA	NA	NA	57.8
	13C5-PFHxA	EIS	2.18	318.0 / 273.0	348981		2.328	NA	NA	NA	93.1
	13C4-PFHpA	EIS	2.83	367.0 / 322.0	356943		3.467	NA	NA	NA	138.7
	13C8-PFOA	EIS	3.27	420.8 / 376.0	631598		0.930	NA	NA	NA	37.2
	13C9-PFNA	EIS	3.66	472.0 / 427.0	279185		0.839	NA	NA	NA	67.1
	13C6-PFDA	EIS	4.04	519.0 / 474.0	283683		0.856	NA	NA	NA	68.4
	13C7-PFUnA	EIS	4.42	570.0 / 525.0	240525		0.840	NA	NA	NA	67.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.79	615.1 / 570.0	195490		0.820	NA	NA	NA	65.6
	13C2-PFTeDA	EIS	5.52	715.1 / 670.1	155315		0.728	NA	NA	NA	58.2
	13C3-PFBS	EIS	2.17	302.1 / 80.1	301246		1.591	NA	NA	NA	68.3
	13C3-PFHxS	EIS	3.36	402.1 / 80.1	252419		1.538	NA	NA	NA	64.9
	13C8-PFOS	EIS	4.17	507.1 / 80.1	289543		1.730	NA	NA	NA	72.1
	13C2-4:2FTS	EIS	1.97	329.1 / 81.1	295107		9.392	NA	NA	NA	200.3
	13C2-6:2FTS	EIS	3.11	429.2 / 81.1	299858		10.327	NA	NA	NA	217.0
	13C2-8:2FTS	EIS	3.87	529.2 / 81.1	224963		8.622	NA	NA	NA	179.6

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.27	506.1 / 78.1	510428		1.913	NA	NA	NA	76.5
d3-NMeFOSA	EIS	5.98	515.2 / 219.0	52349		1.334	NA	NA	NA	53.4
d5-NEtFOSA	EIS	6.26	531.2 / 219.0	44471		1.216	NA	NA	NA	48.6
d3-NMeFOSAA	EIS	4.14	573.2 / 419.1	175744		4.256	NA	NA	NA	85.1
d5-NEtFOSAA	EIS	4.33	589.3 / 419.1	165743		4.173	NA	NA	NA	83.5
d7-NMeFOSE	EIS	5.84	623.2 / 58.9	488929		10.543	NA	NA	NA	42.2
d9-NEtFOSE	EIS	6.12	639.2 / 58.9	649998		9.672	NA	NA	NA	38.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.44	287.0 / 169.0	1152797		10.552	NA	NA	NA	105.5
	13C3-PFBA	NIS	0.67	216.0 / 172.0	510251	M4	2.579	NA	NA	NA	51.6
	13C2-PFHxA	NIS	2.18	315.0 / 270.0	524242		1.994	NA	NA	NA	79.8
	13C4-PFOA	NIS	3.27	417.0 / 372.0	668841		3.860	NA	NA	NA	154.4
	13C5-PFNA	NIS	3.66	468.0 / 423.0	375576		1.207	NA	NA	NA	96.6
	13C2-PFDA	NIS	4.04	515.1 / 470.1	385555		1.217	NA	NA	NA	97.4
	18O2-PFHxS	NIS	3.36	403.1 / 84.1	332448		2.352	NA	NA	NA	99.2
	13C4-PFOS	NIS	4.17	503.1 / 80.1	290610		2.348	NA	NA	NA	97.8

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

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PFBA
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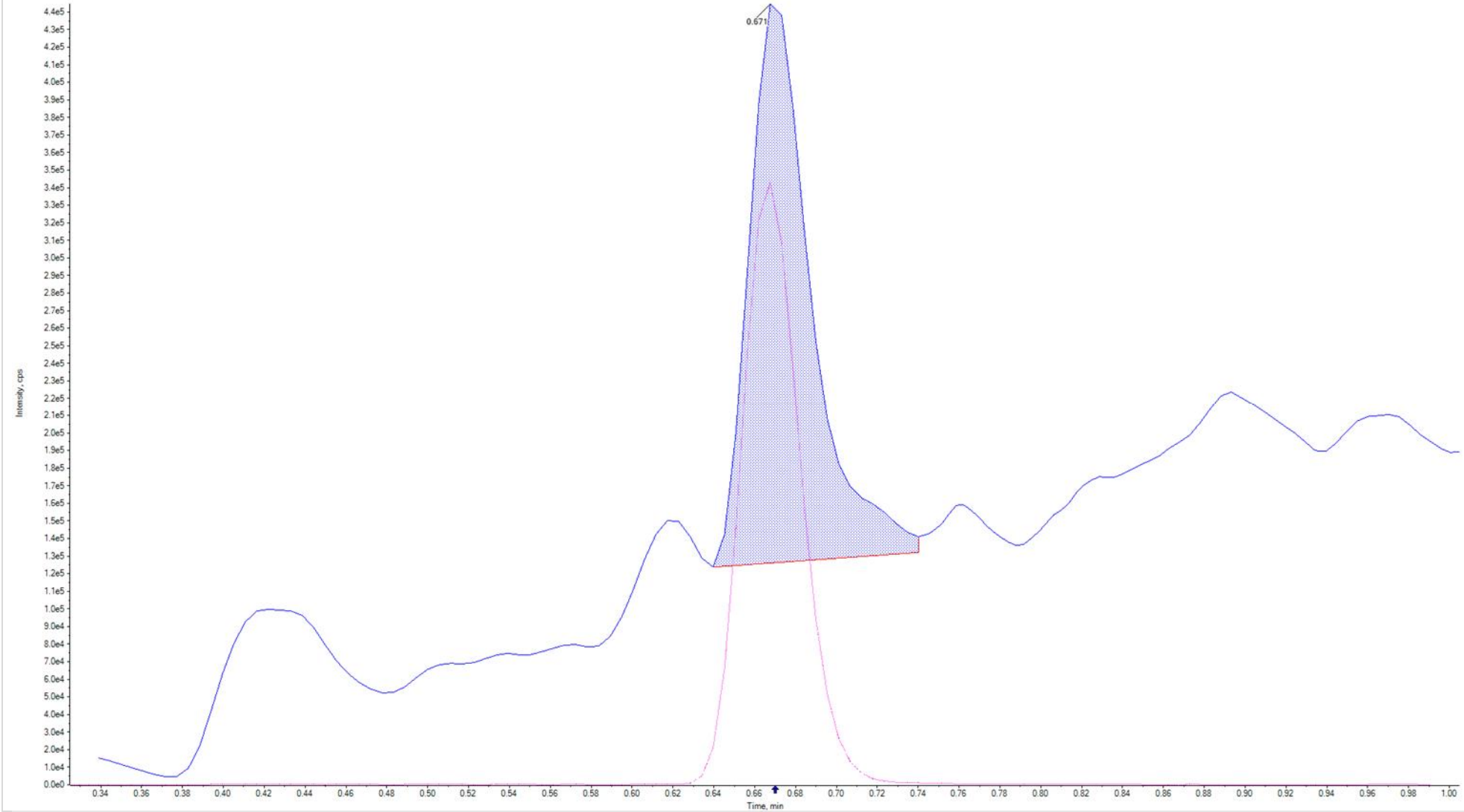

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PFPeA
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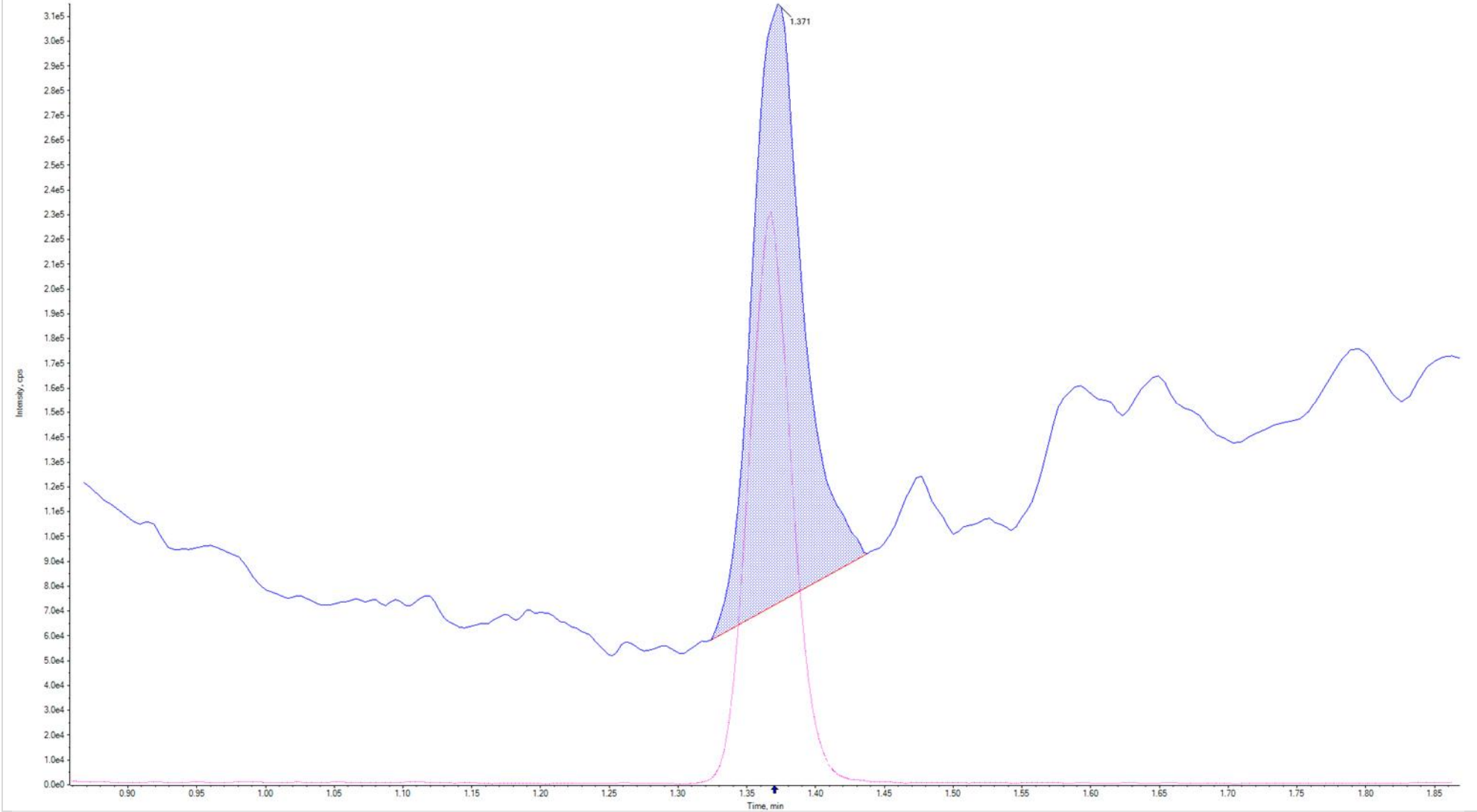

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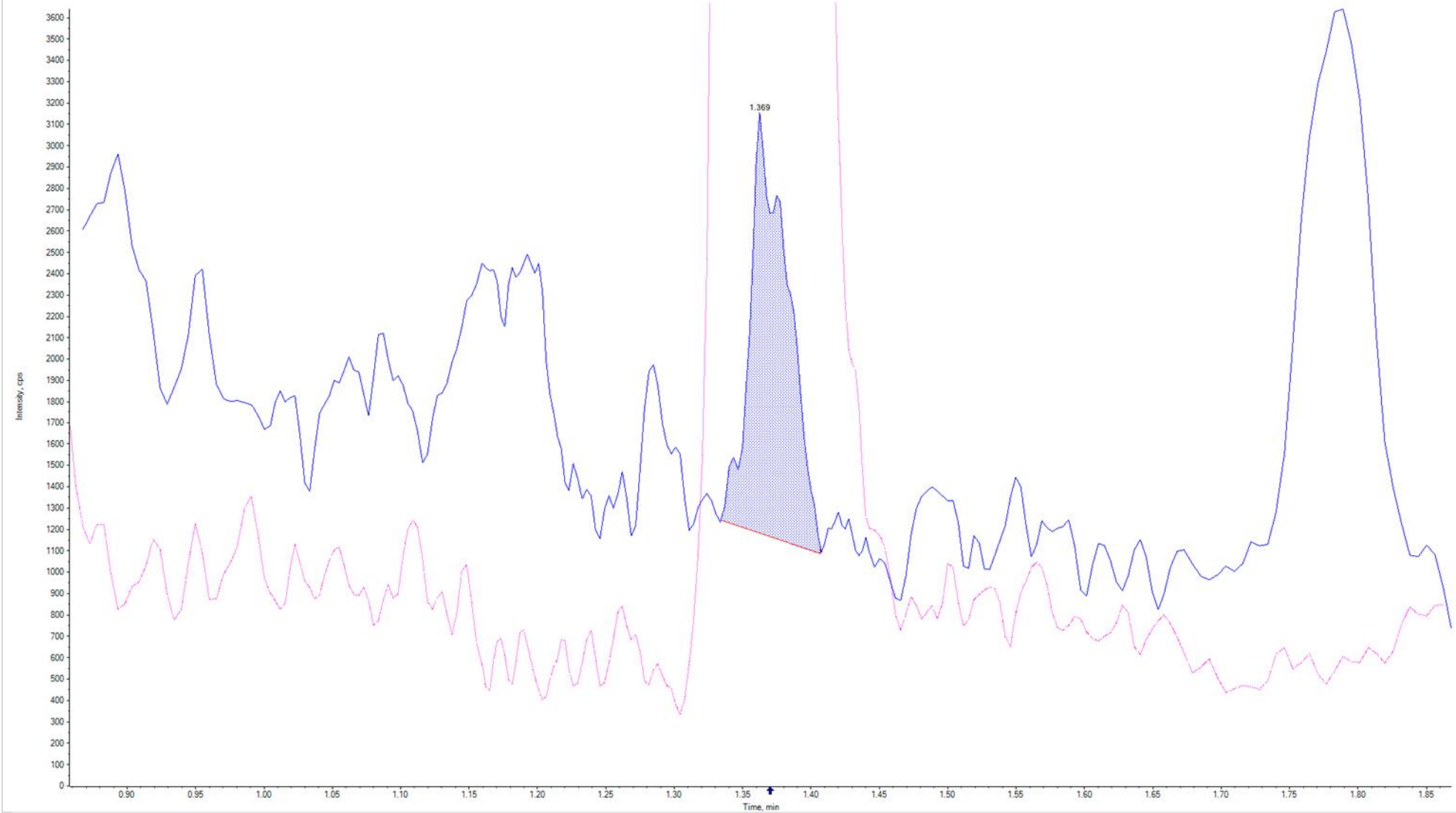

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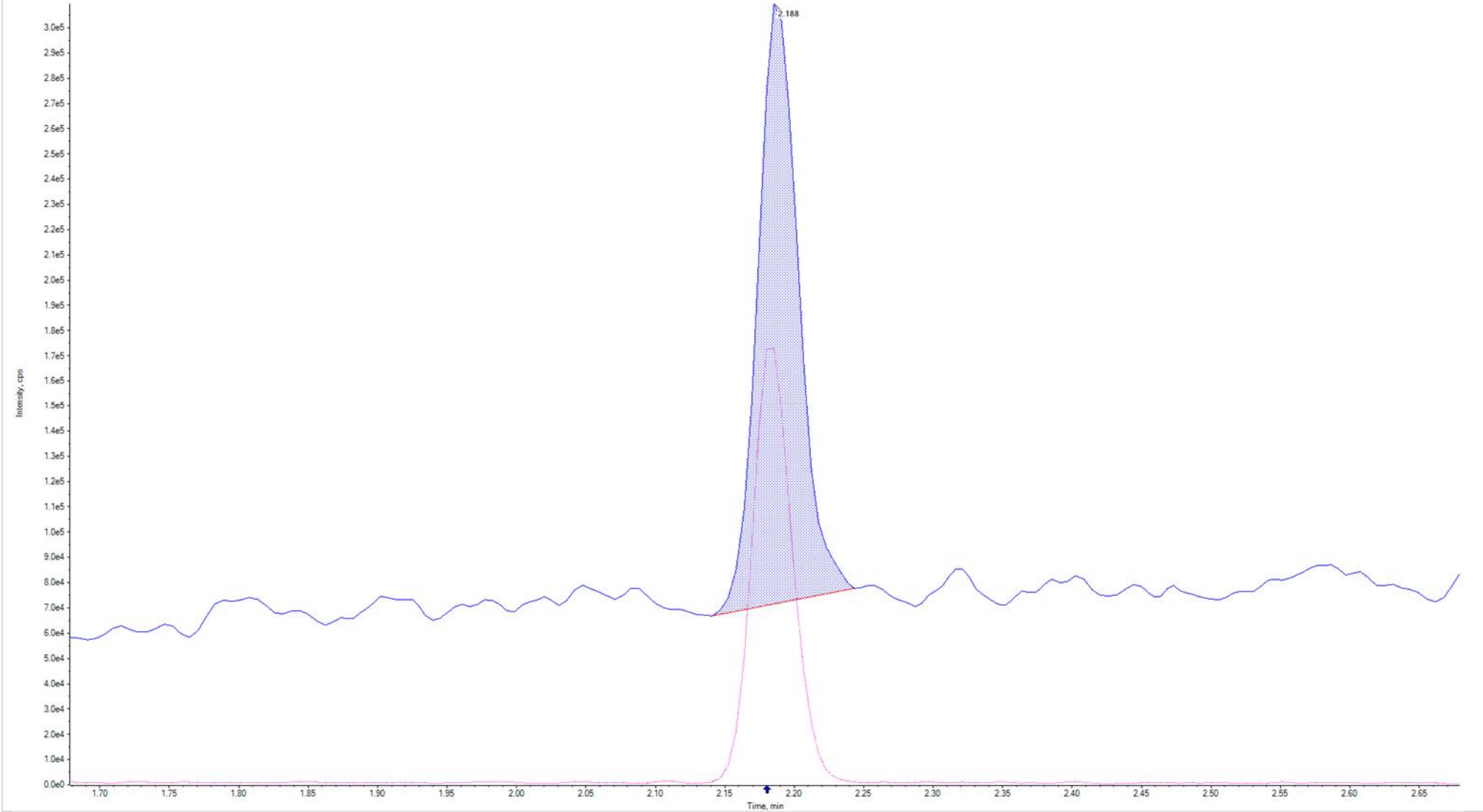
PFHxA
Sample: WG2011107-5 S/N:133.6 Points Across peak:20



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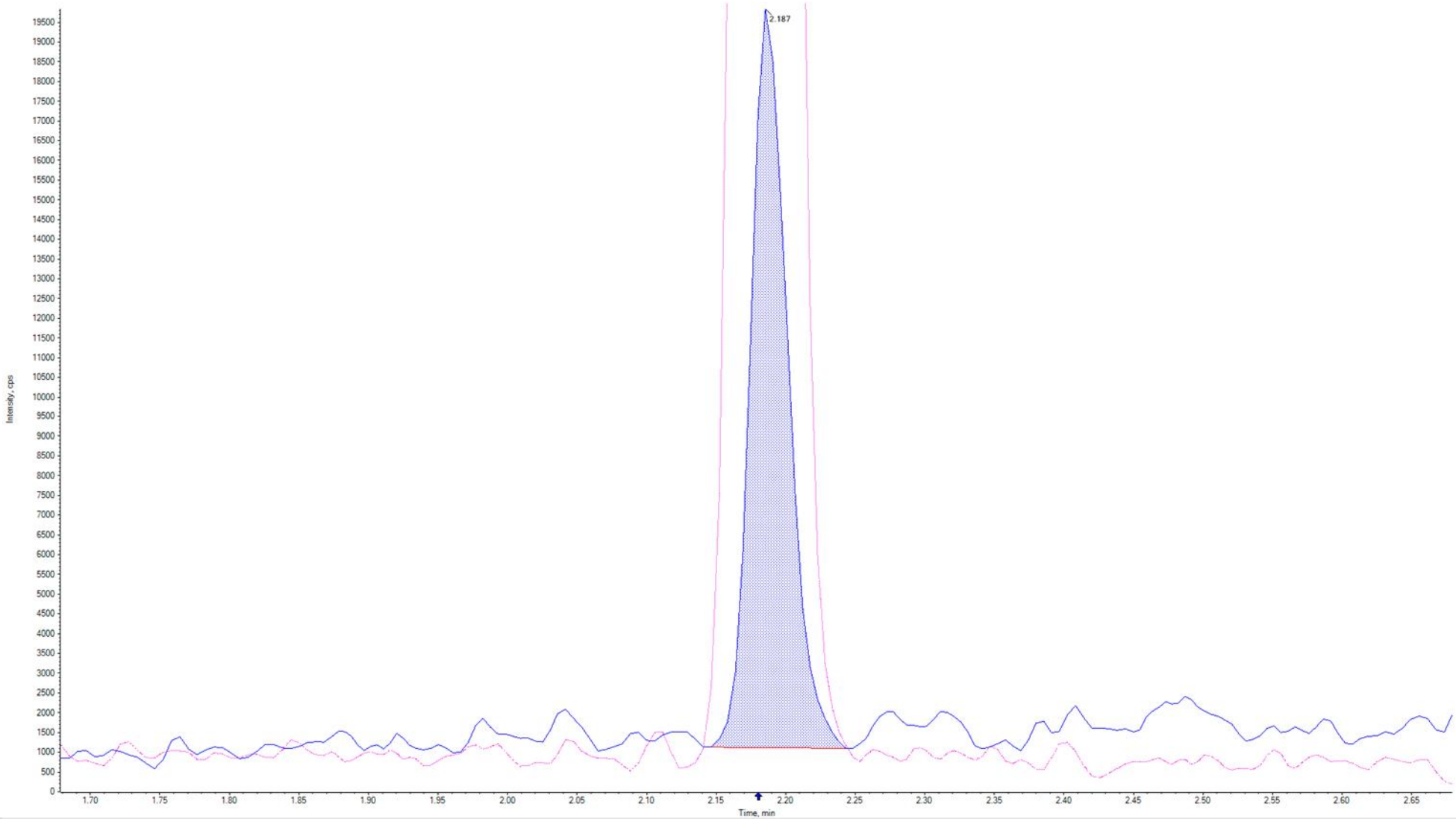
PFHxA_2
Sample: WG2011107-5 S/N:171.7 Points Across peak:20



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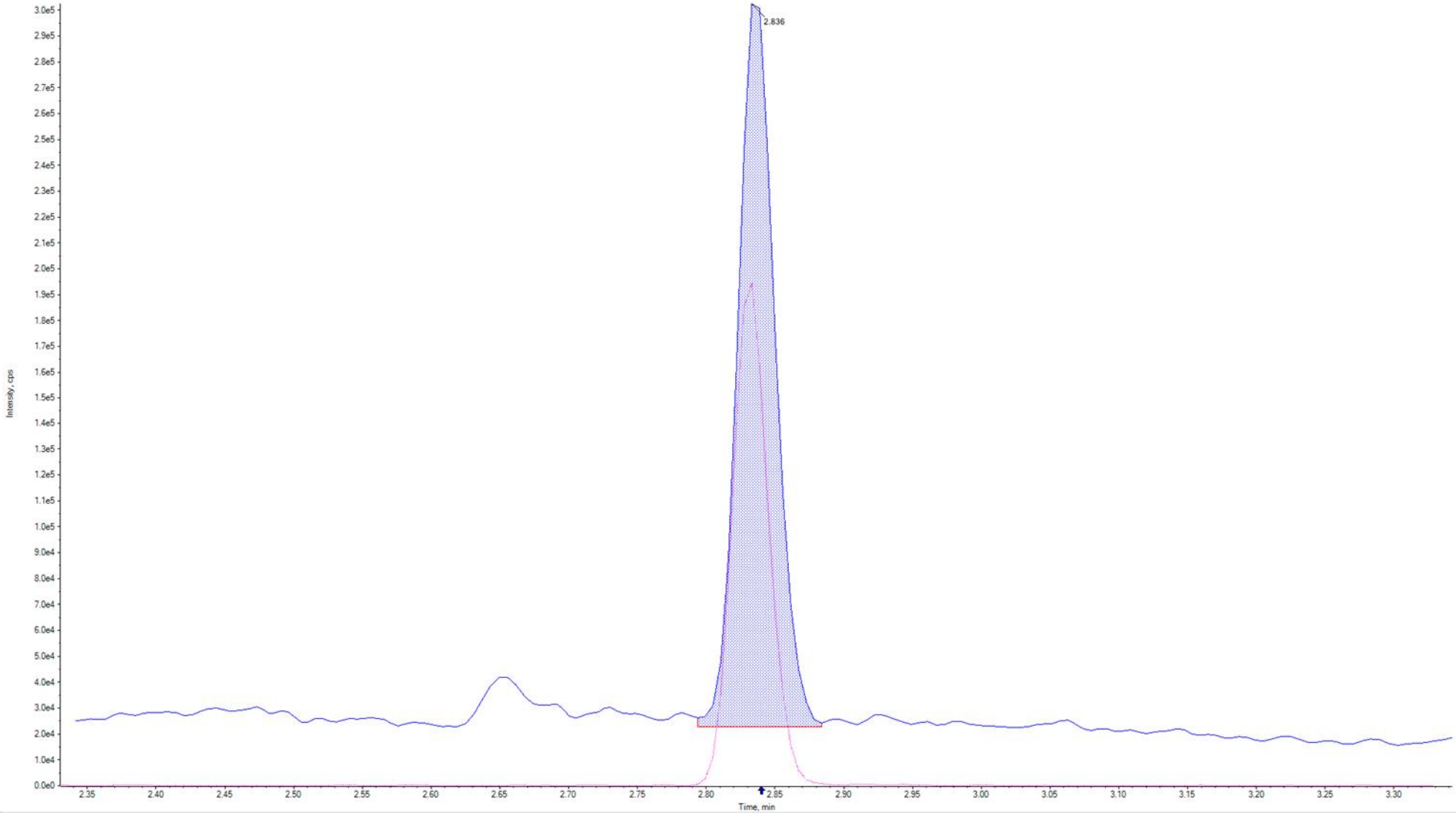
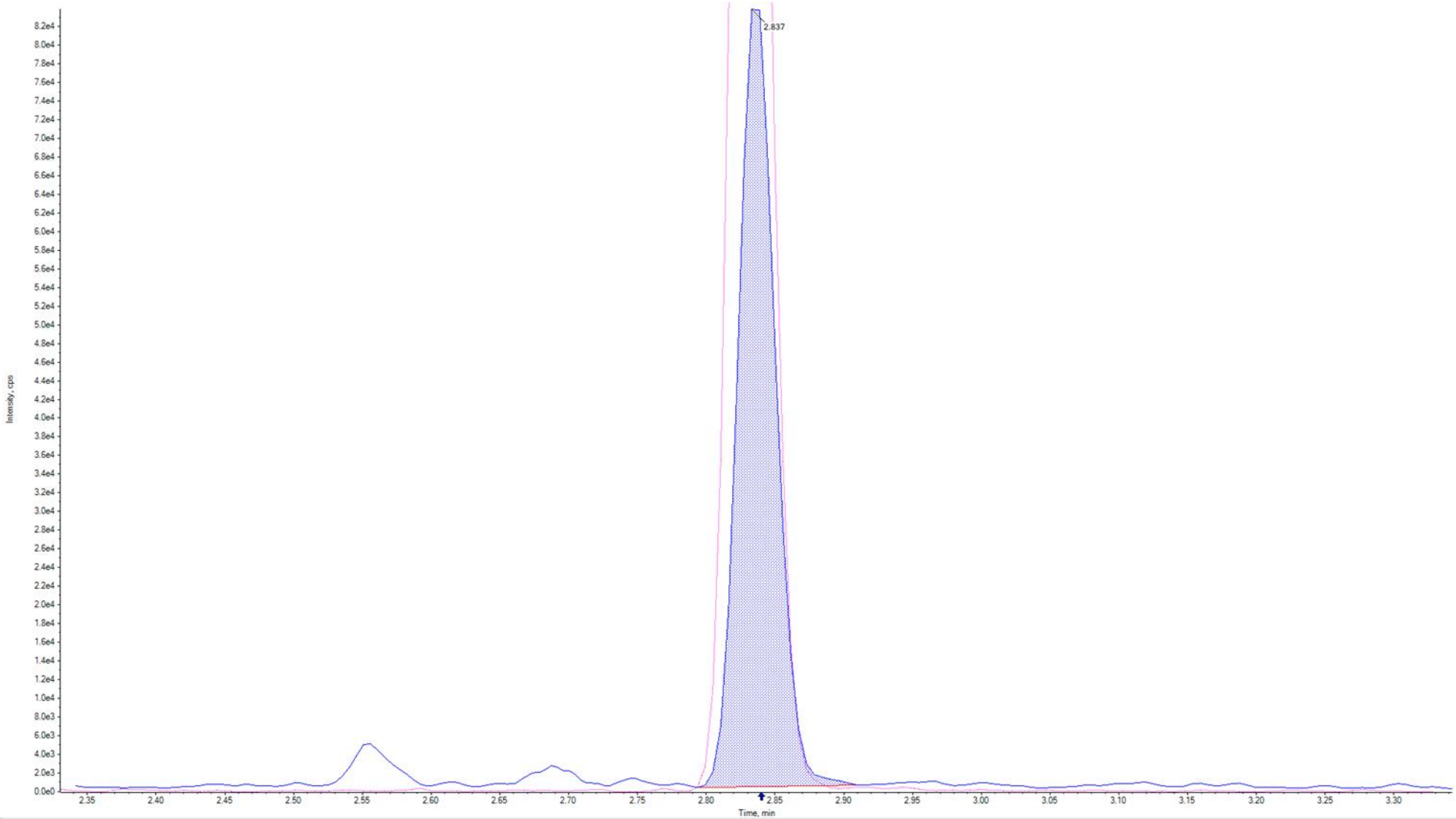
PFHpA
Sample: WG2011107-5 S/N:276.6 Points Across peak:17



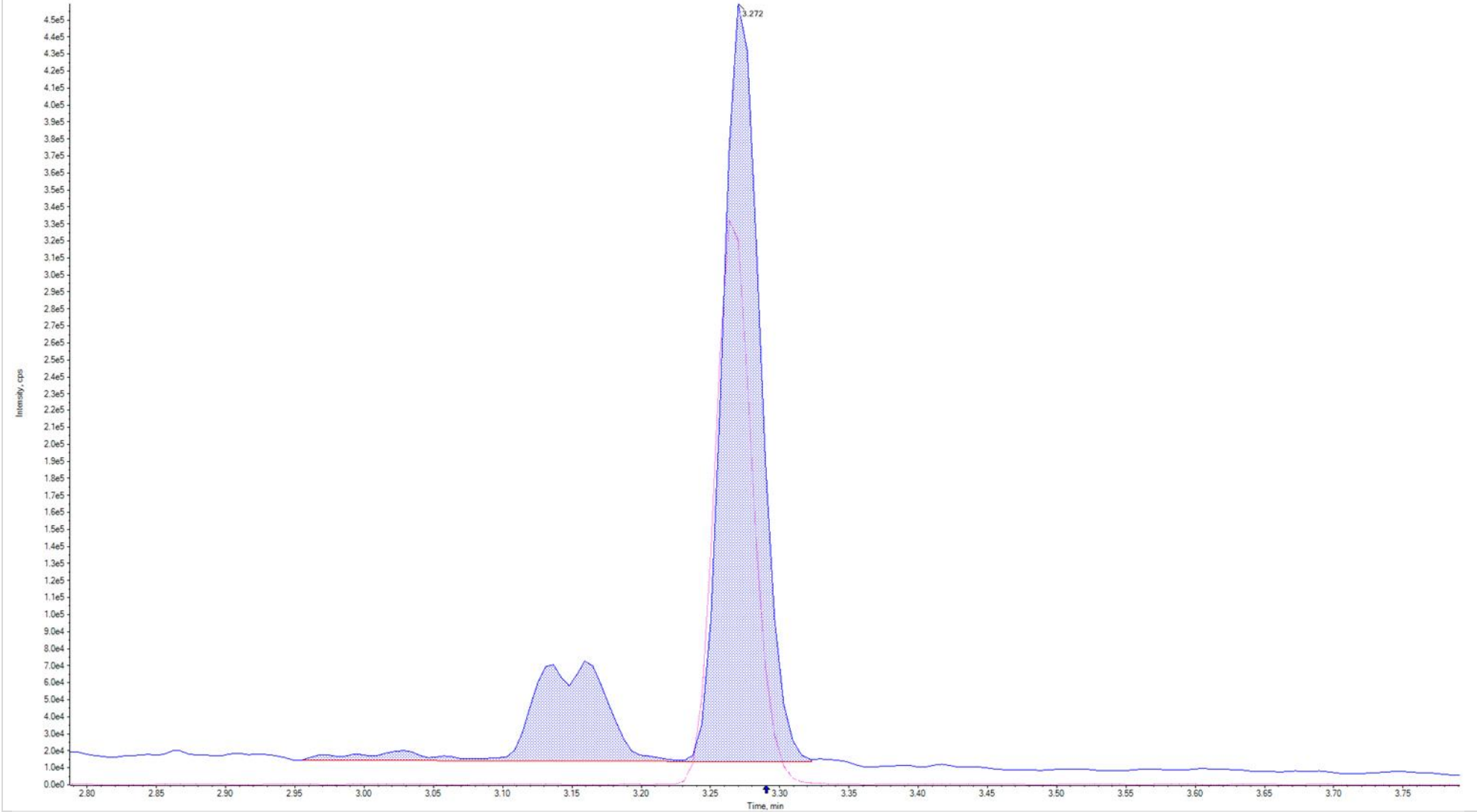
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFHpA_2
Sample: WG2011107-5 S/N:772.4 Points Across peak:22



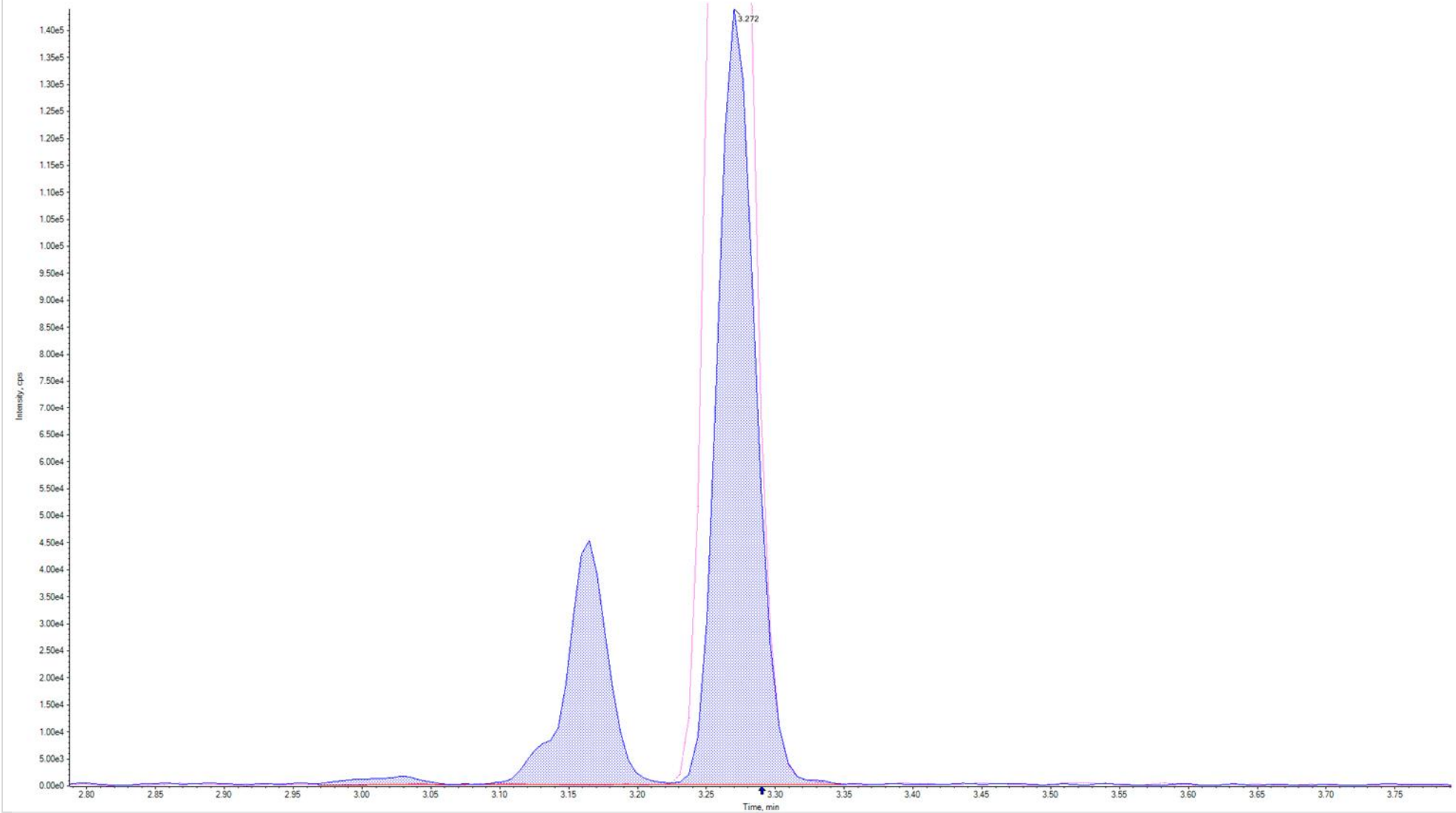
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFOA
Sample: WG2011107-5 S/N:229.5 Points Across peak:64



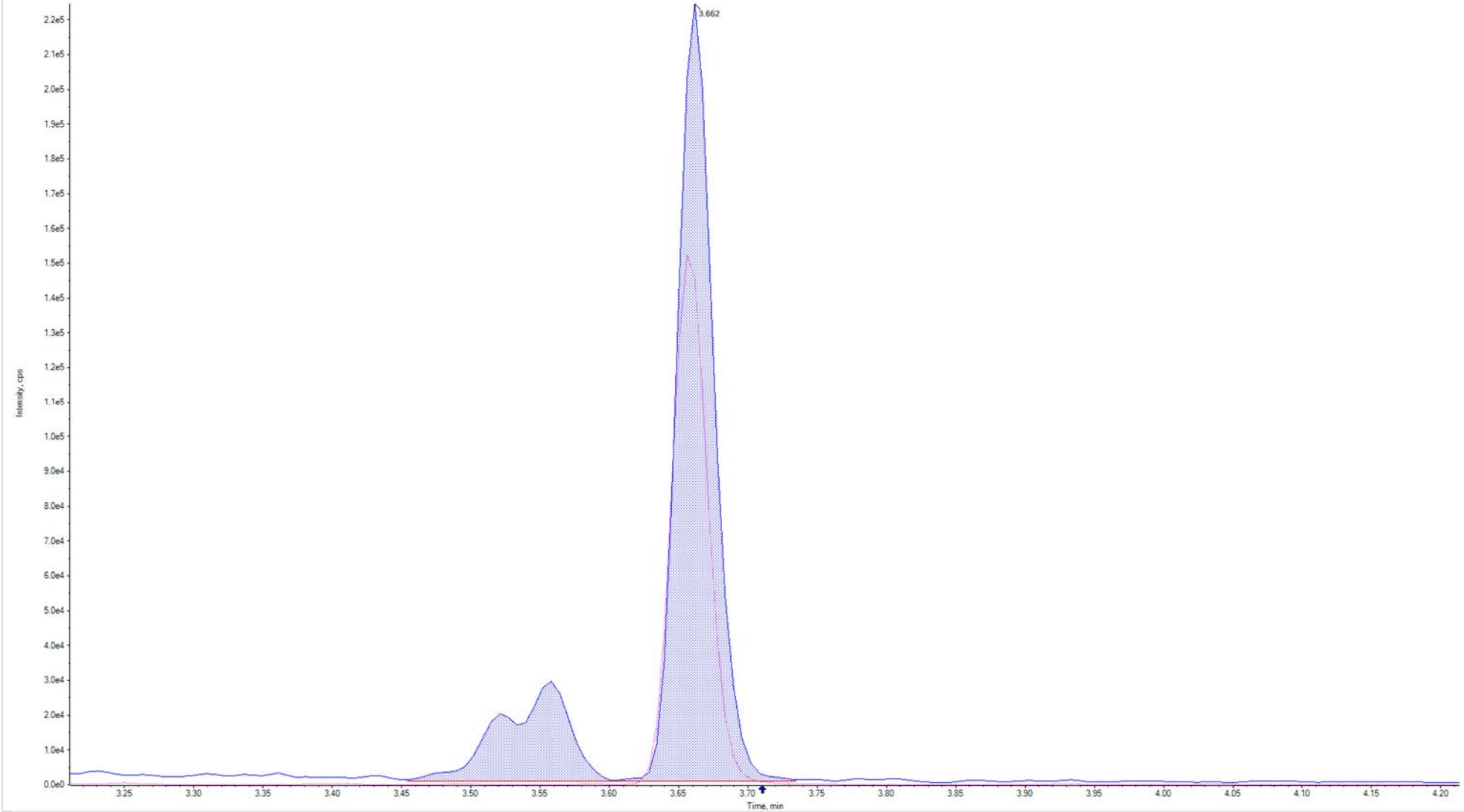
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFOA_2
Sample: WG2011107-5 S/N:453.6 Points Across peak:65



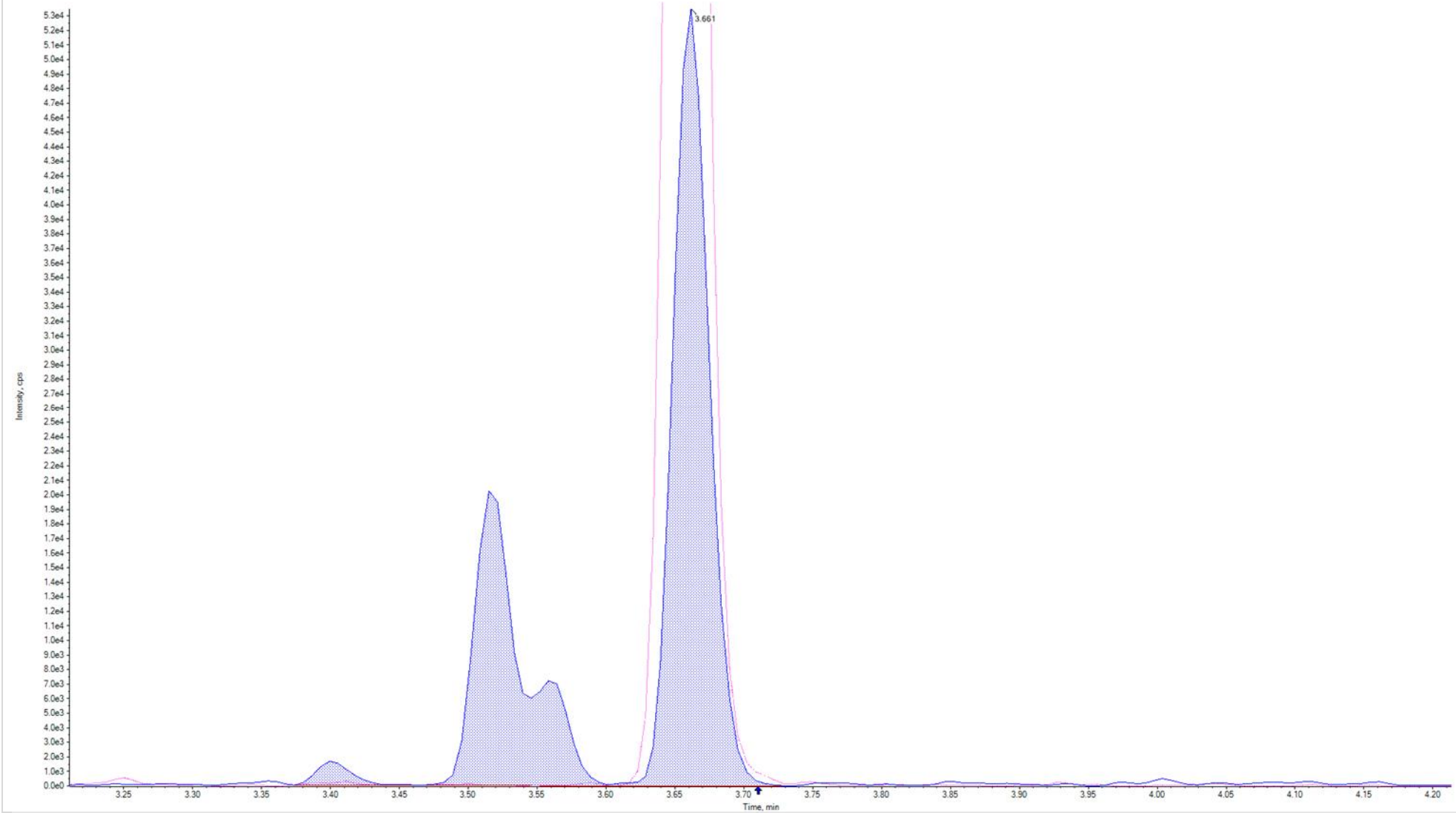
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFNA
Sample: WG2011107-5 S/N:311.7 Points Across peak:48



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFNA_2
Sample: WG2011107-5 S/N:320.9 Points Across peak:61



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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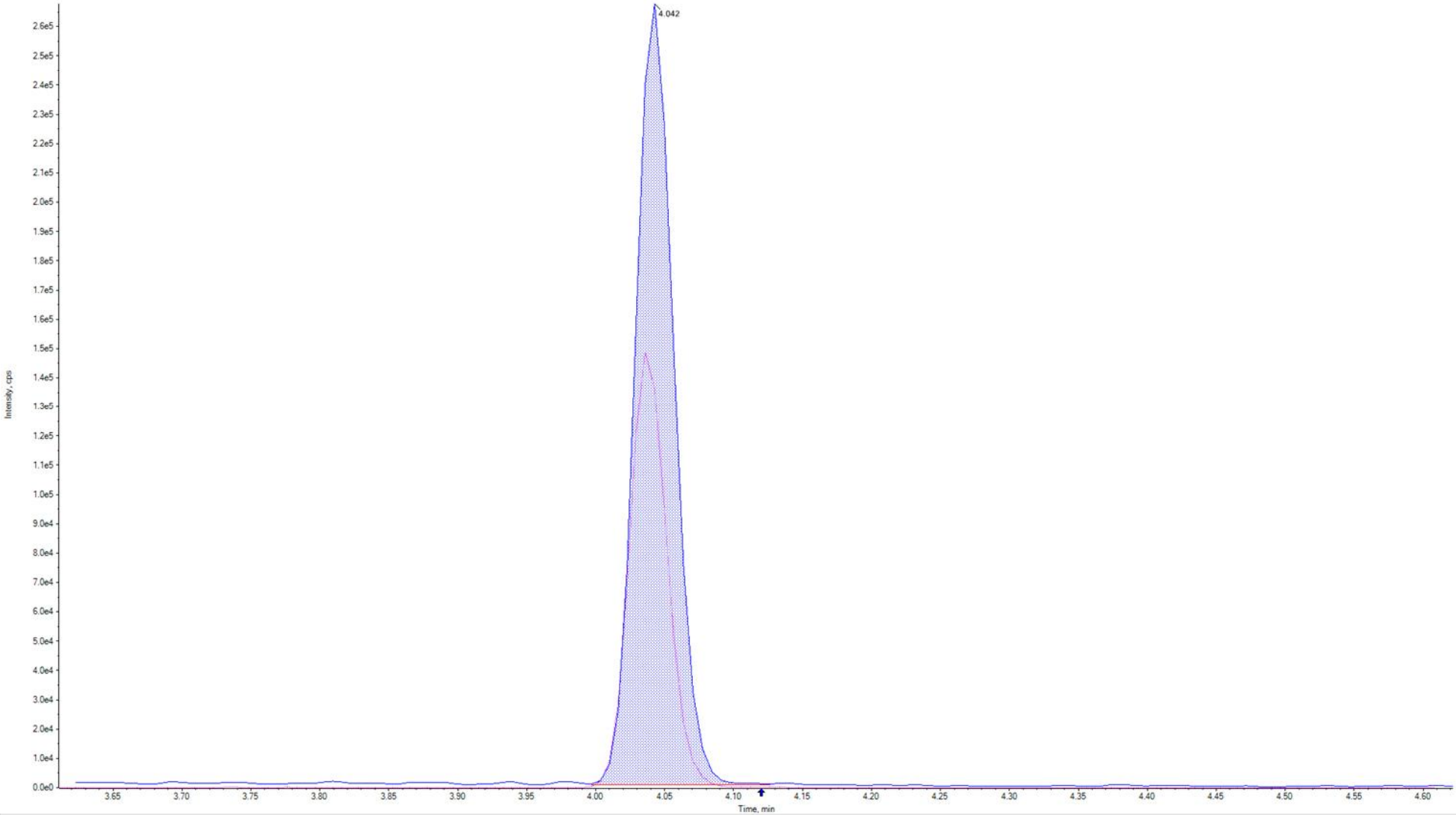
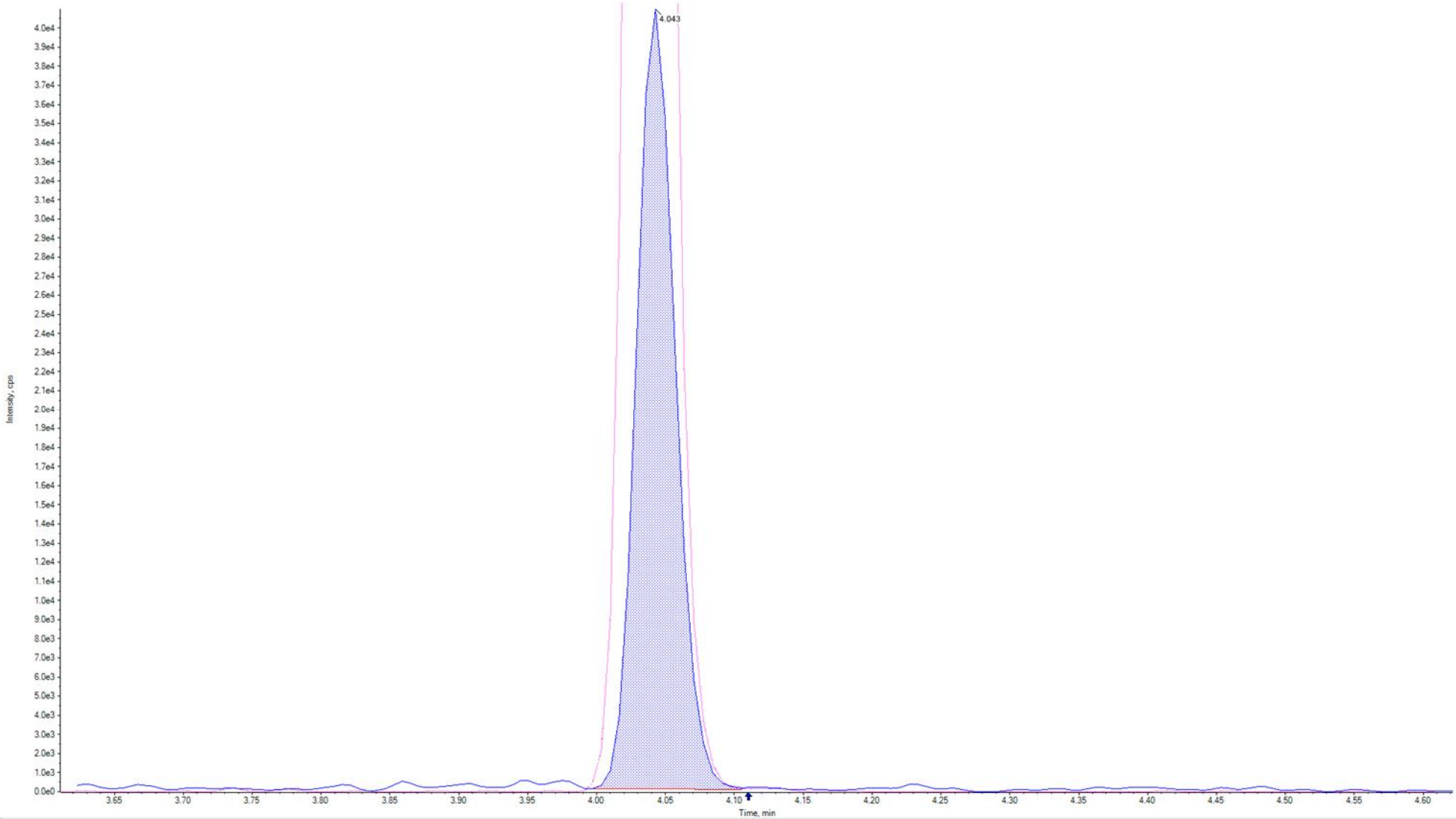
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFDA
Sample: WG2011107-5 S/N:1306.9 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFDA_2
Sample: WG2011107-5 S/N:818.9 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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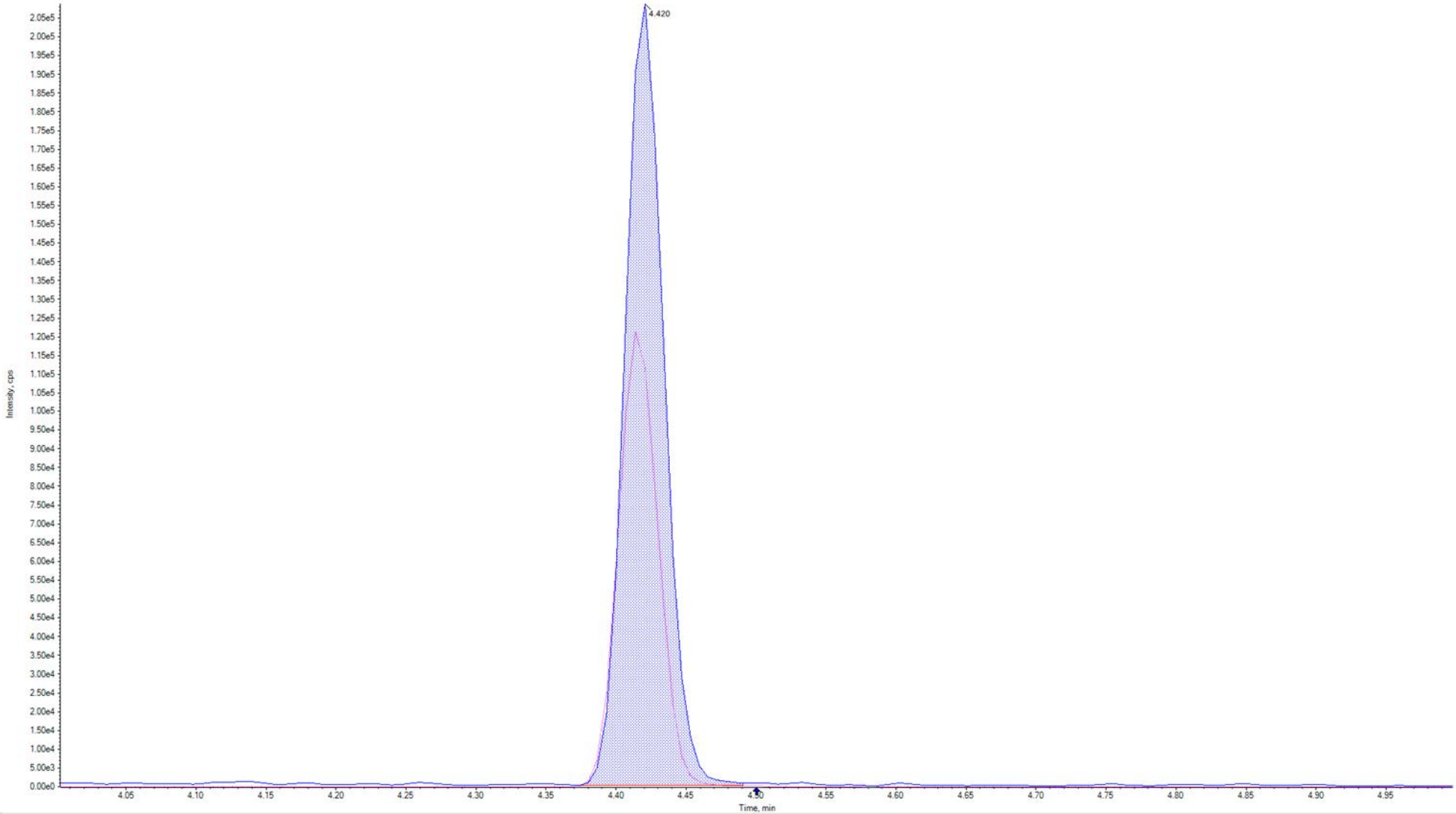
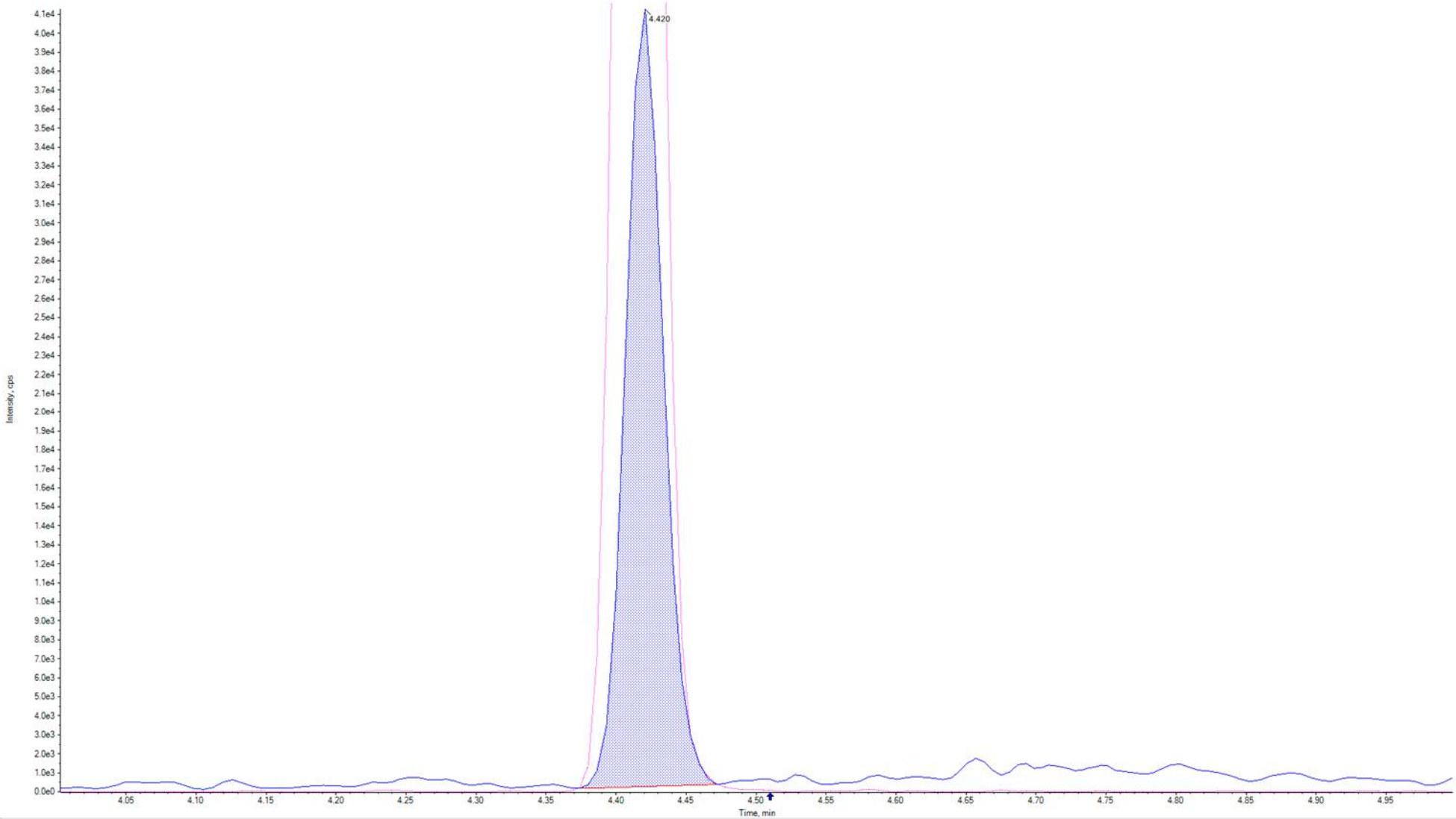
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFUnA
Sample: WG2011107-5 S/N:1577.2 Points Across peak:19



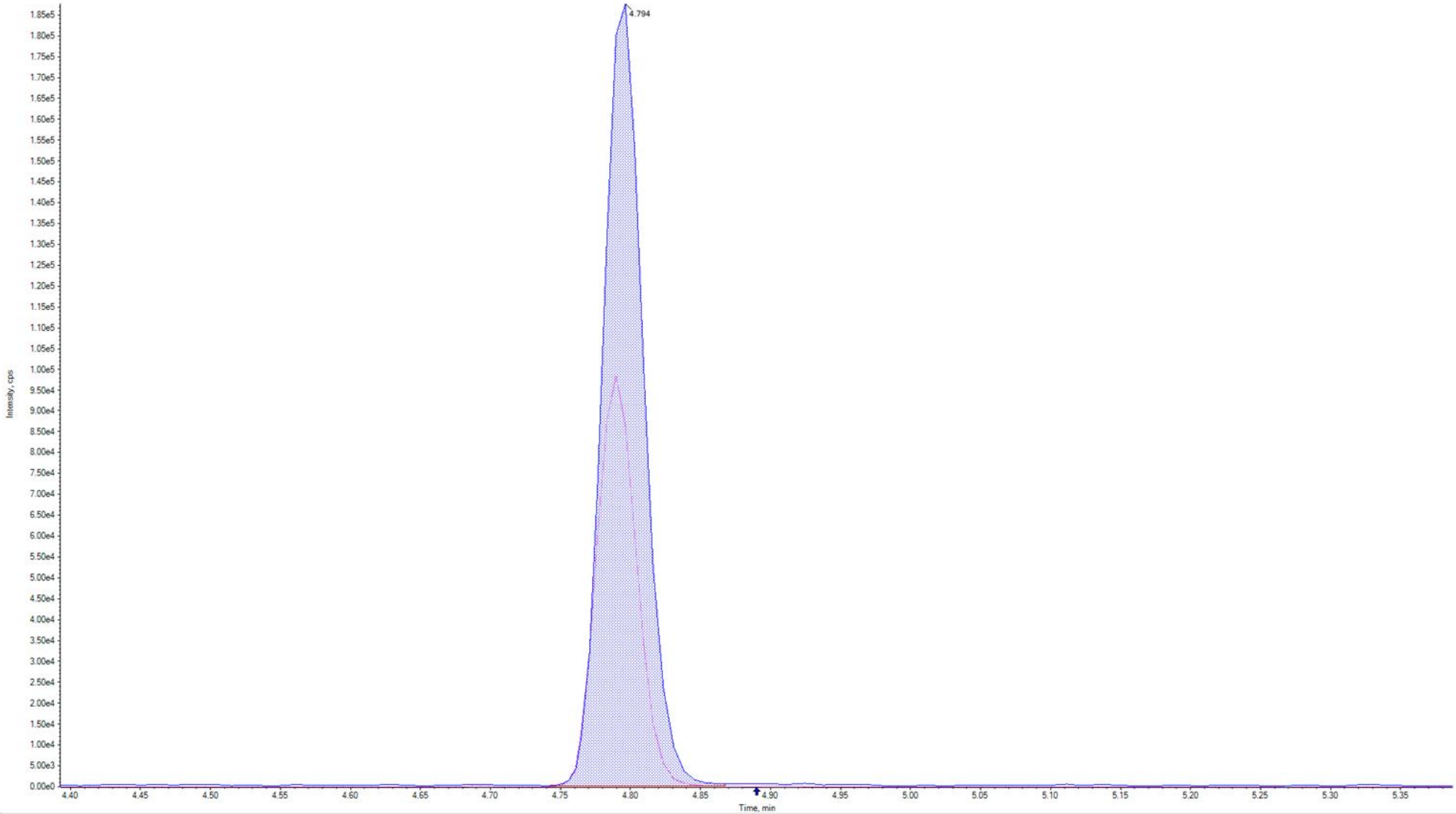
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFUnA_2
Sample: WG2011107-5 S/N:490.2 Points Across peak:16



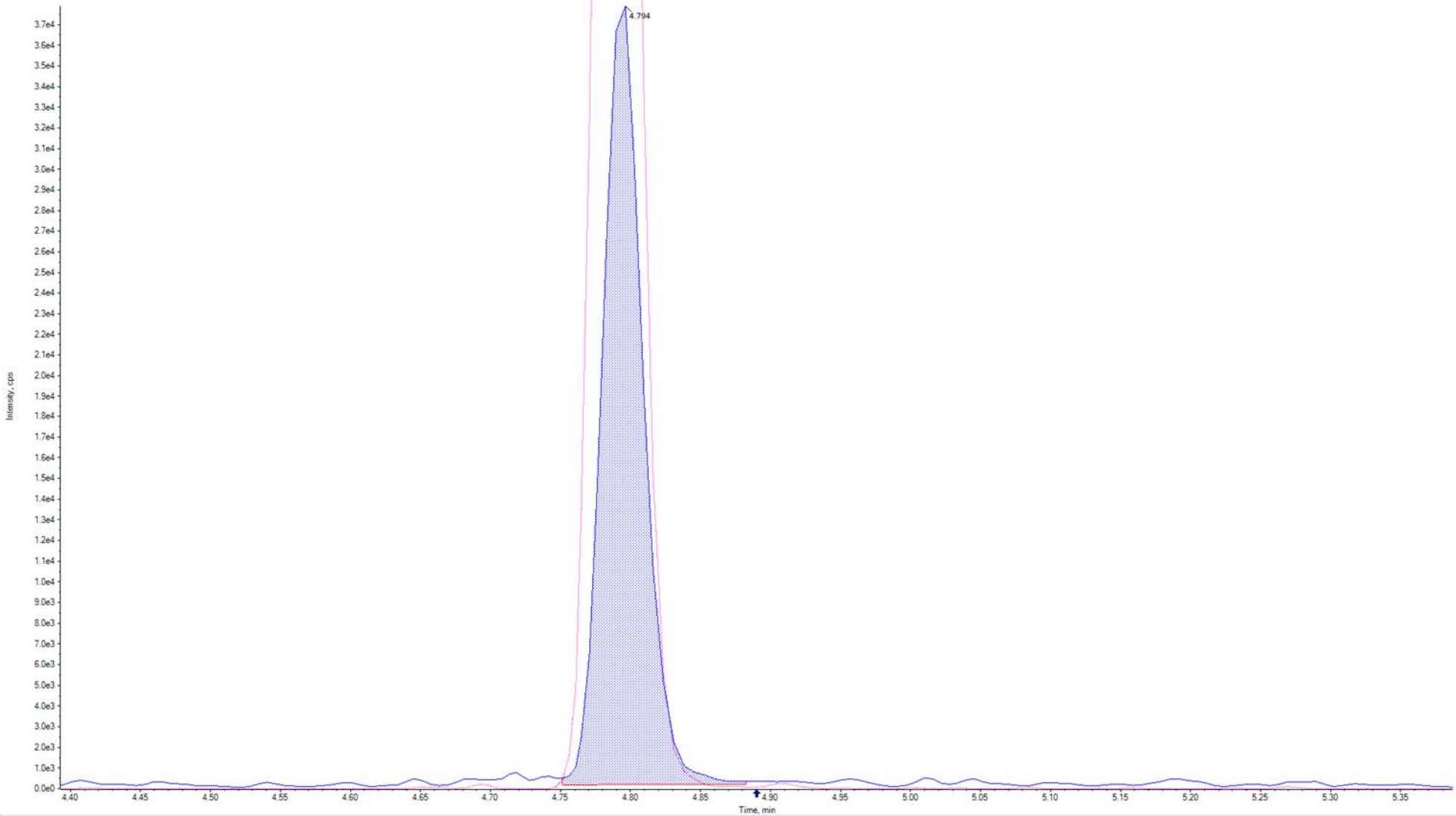
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFDoA
Sample: WG2011107-5 S/N:1751.0 Points Across peak:21



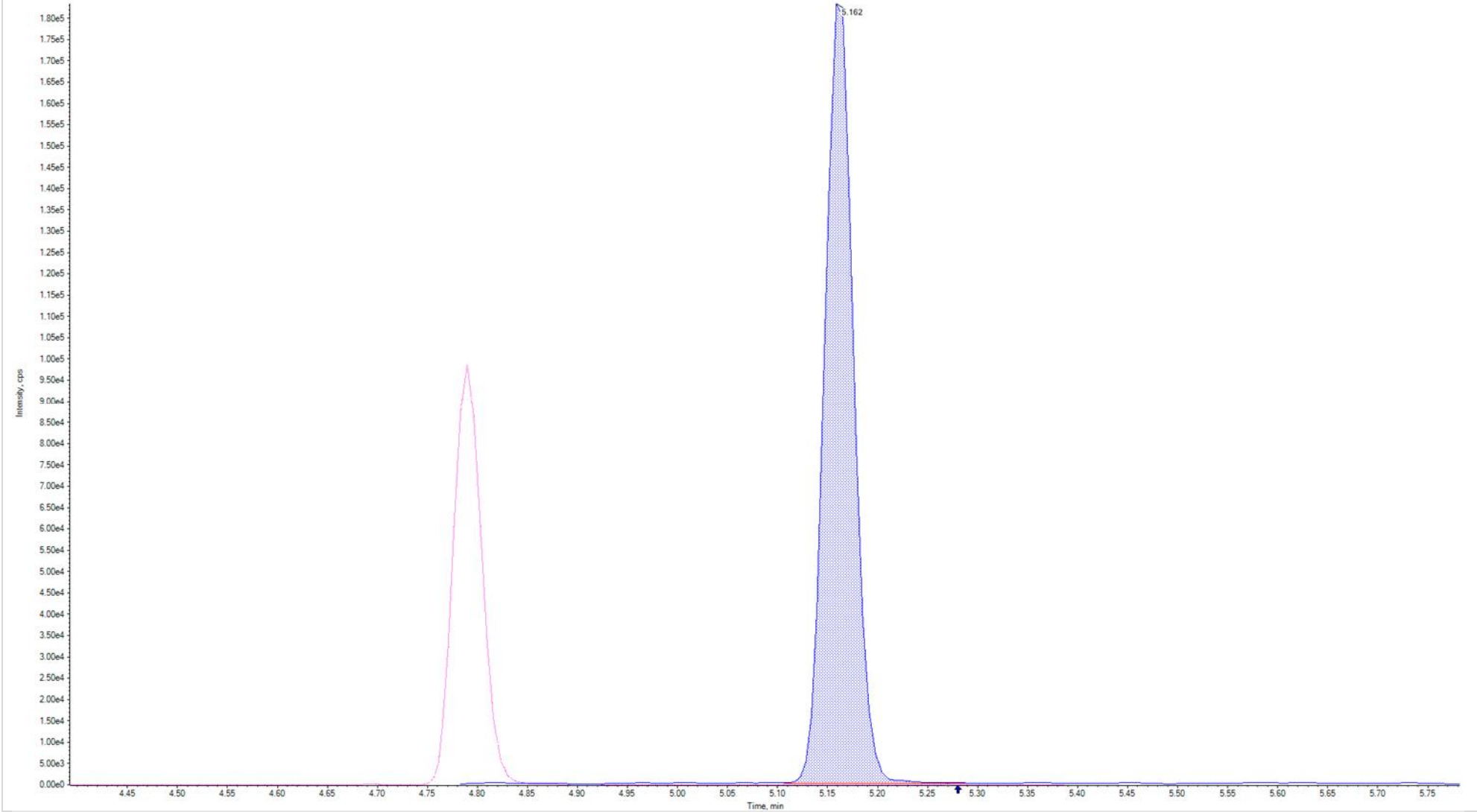
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFDoA_2
Sample: WG2011107-5 S/N:852.1 Points Across peak:21



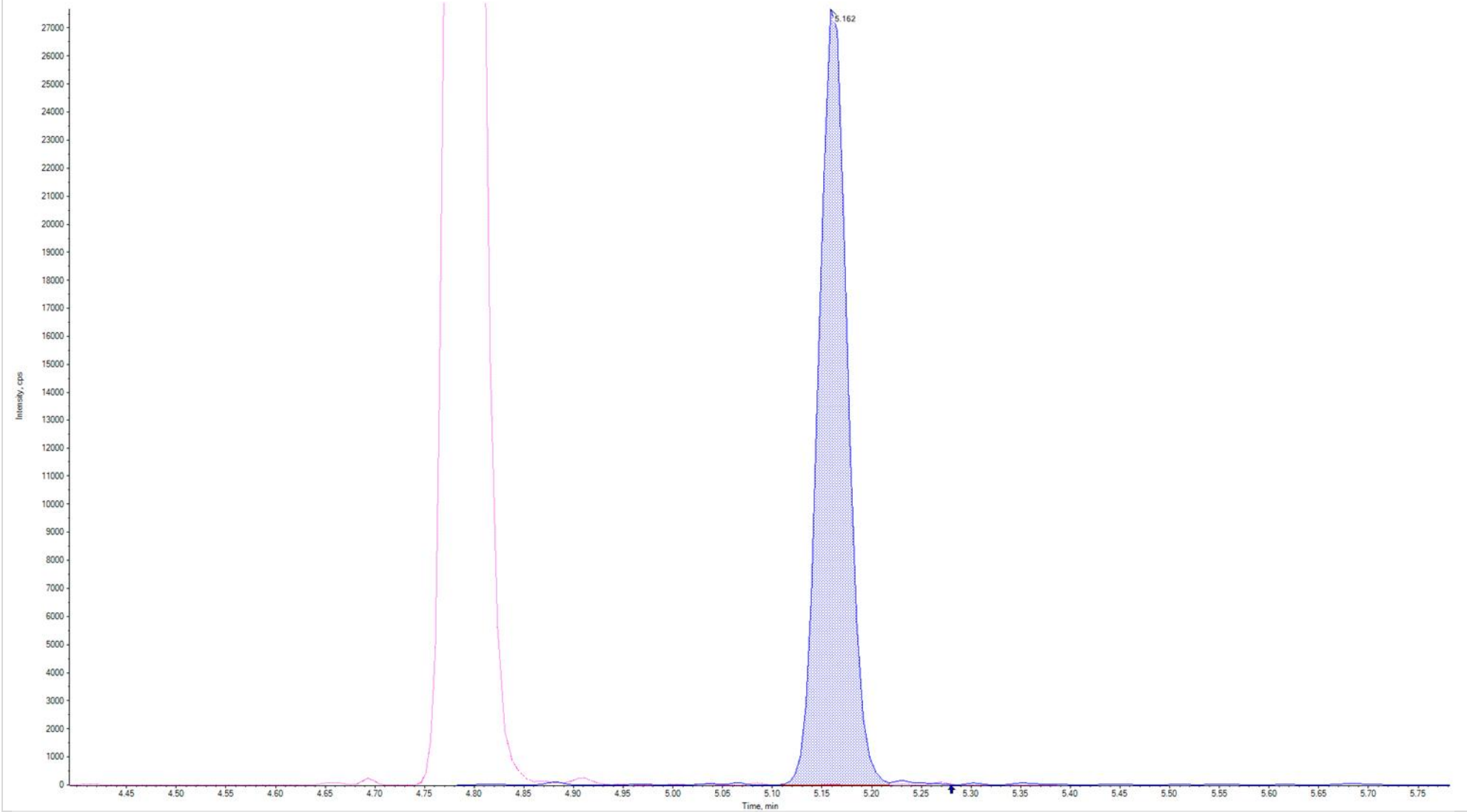
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFTrDA
Sample: WG2011107-5 S/N:1374.8 Points Across peak:31



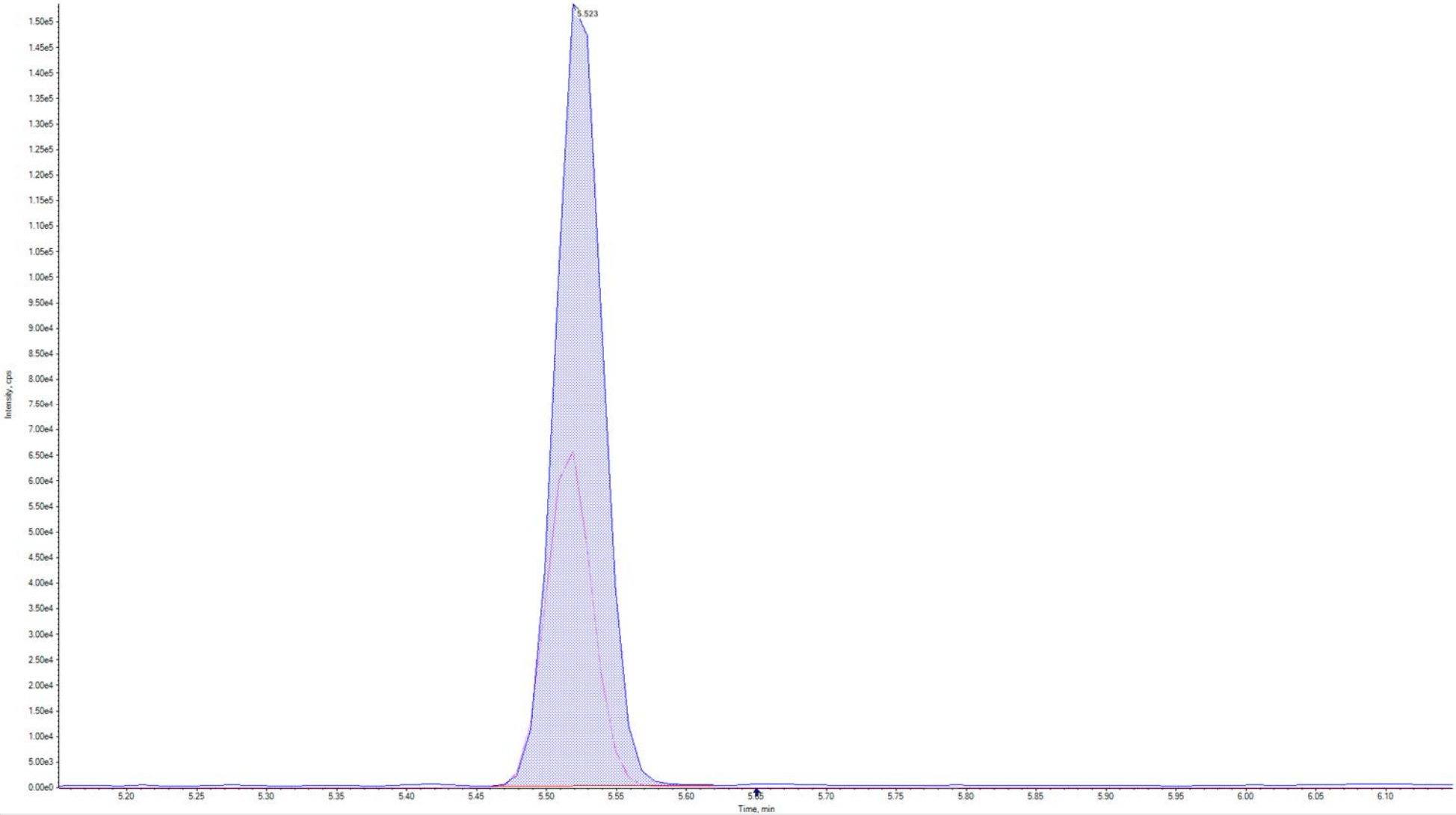
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFTrDA_2
Sample: WG2011107-5 S/N:1109.8 Points Across peak:21



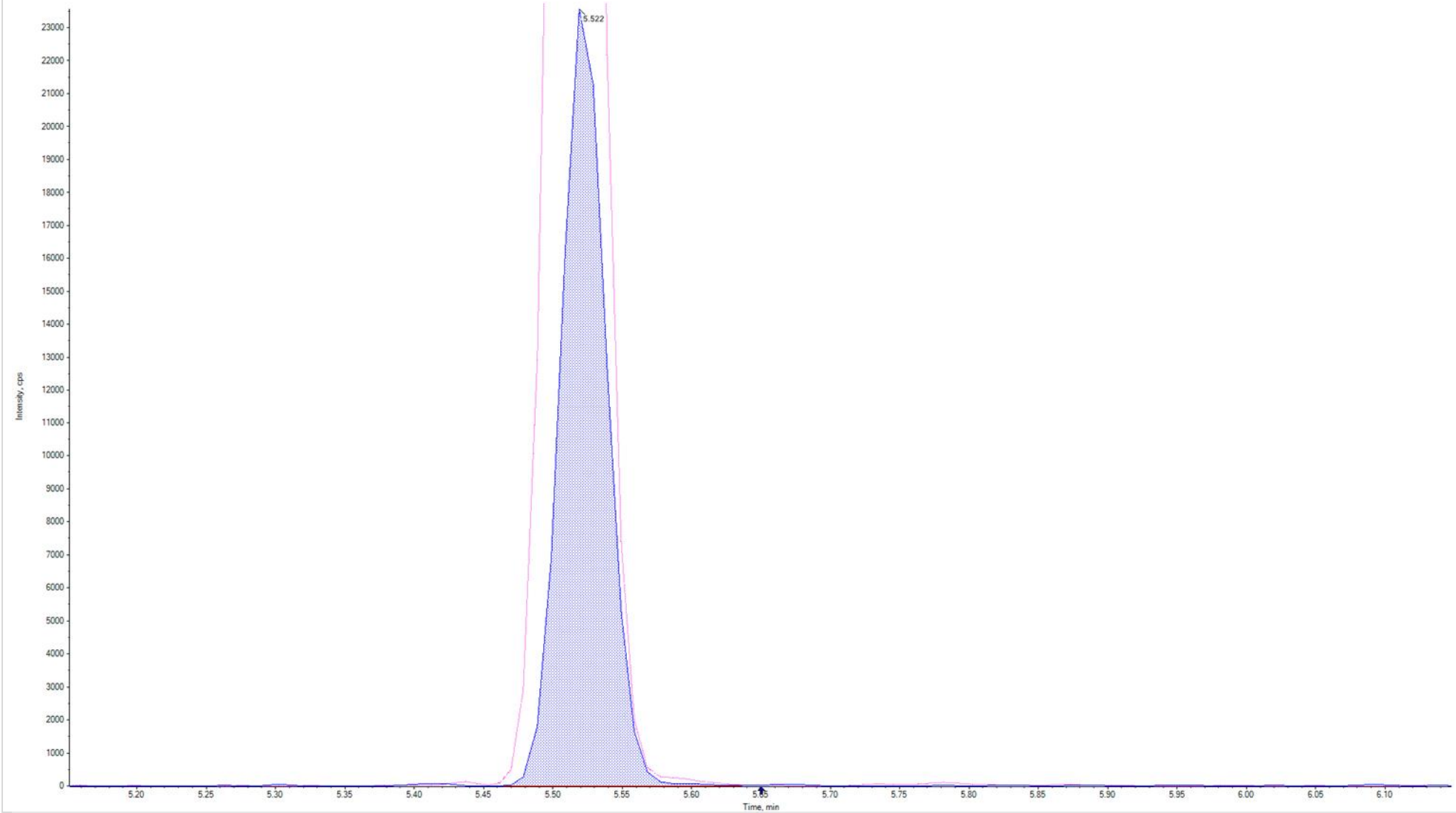
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFTeDA
Sample: WG2011107-5 S/N:575.2 Points Across peak:19



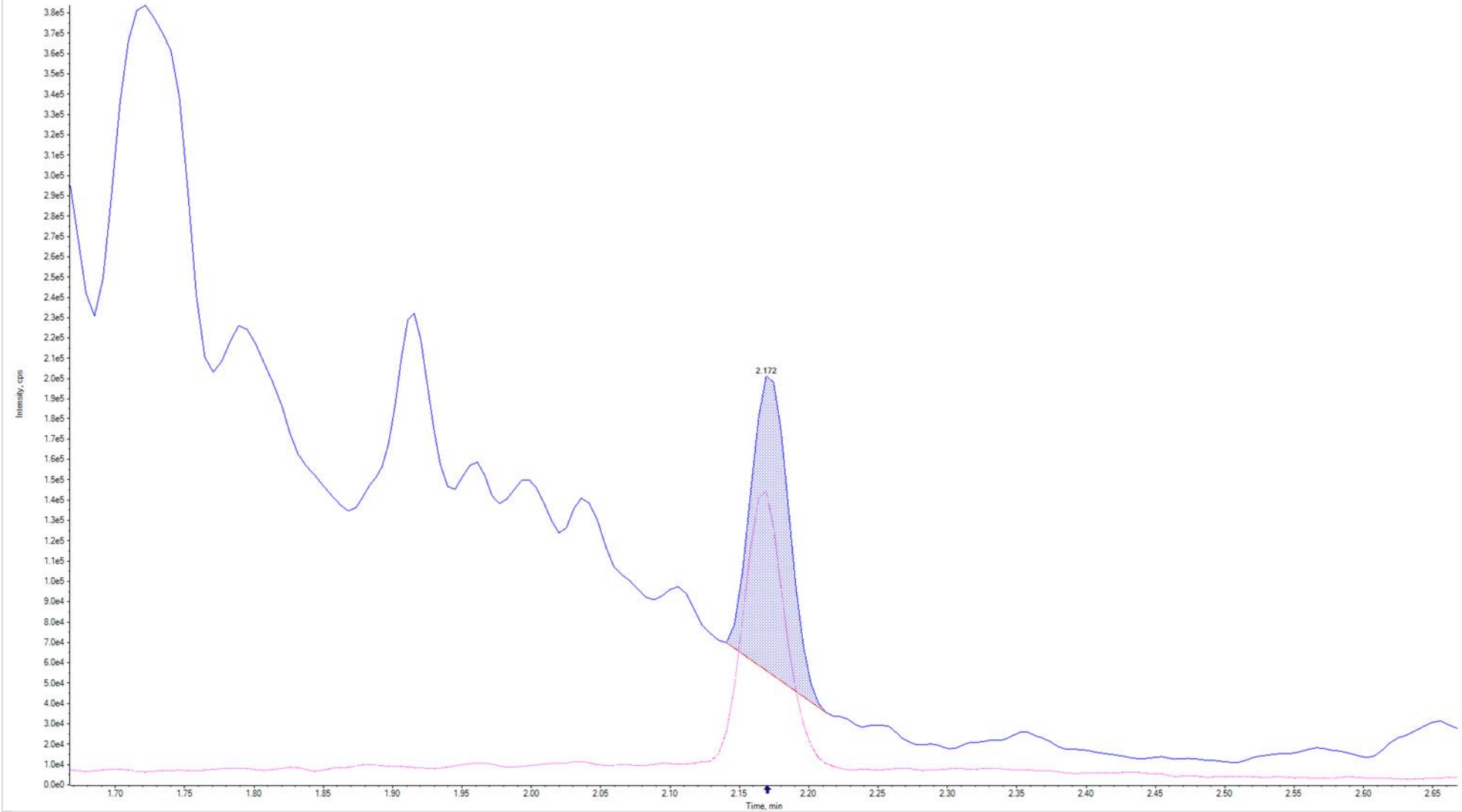
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFTeDA_2
Sample: WG2011107-5 S/N:1170.0 Points Across peak:20



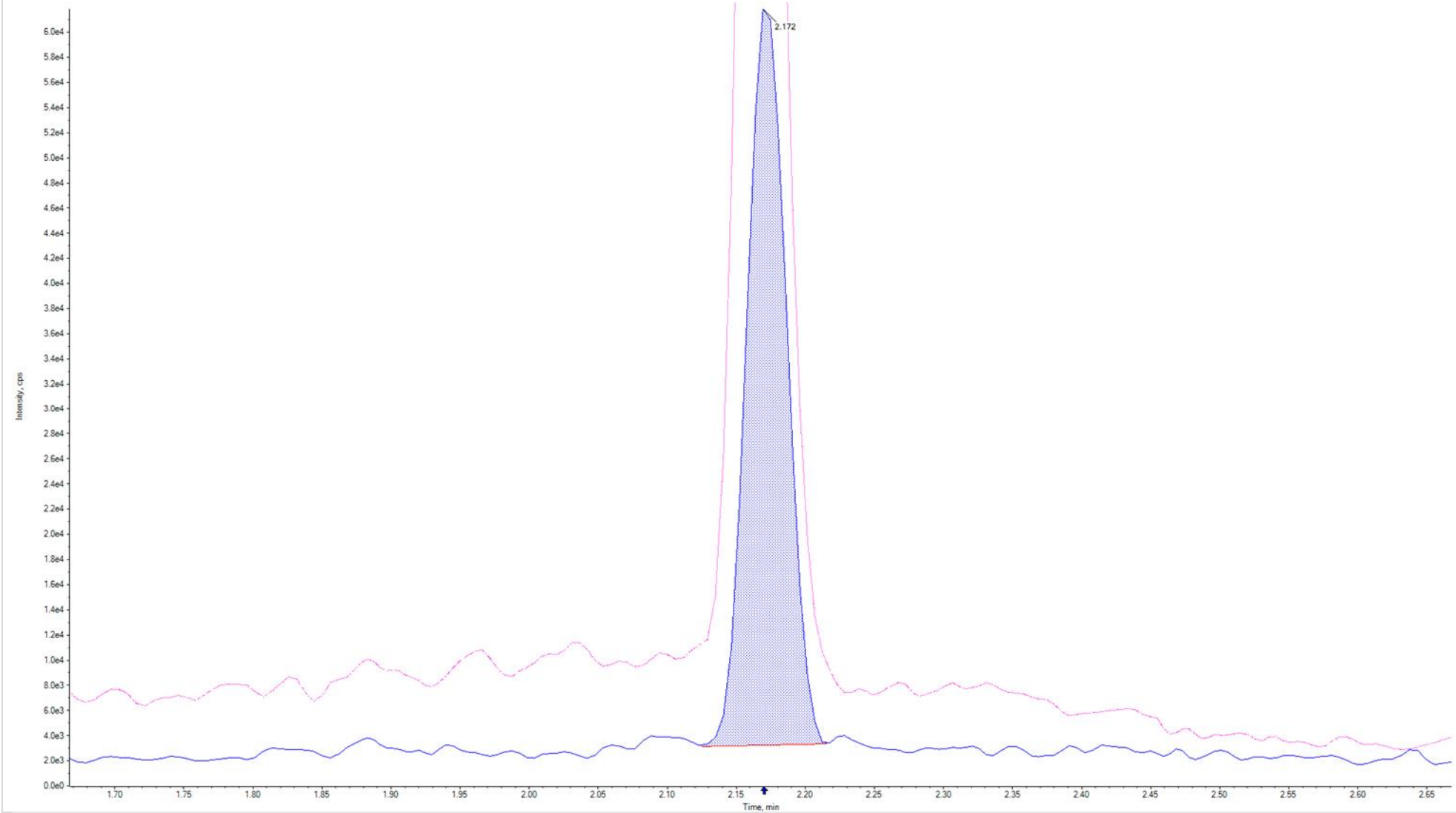
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFBS
Sample: WG2011107-5 S/N:114.3 Points Across peak:14



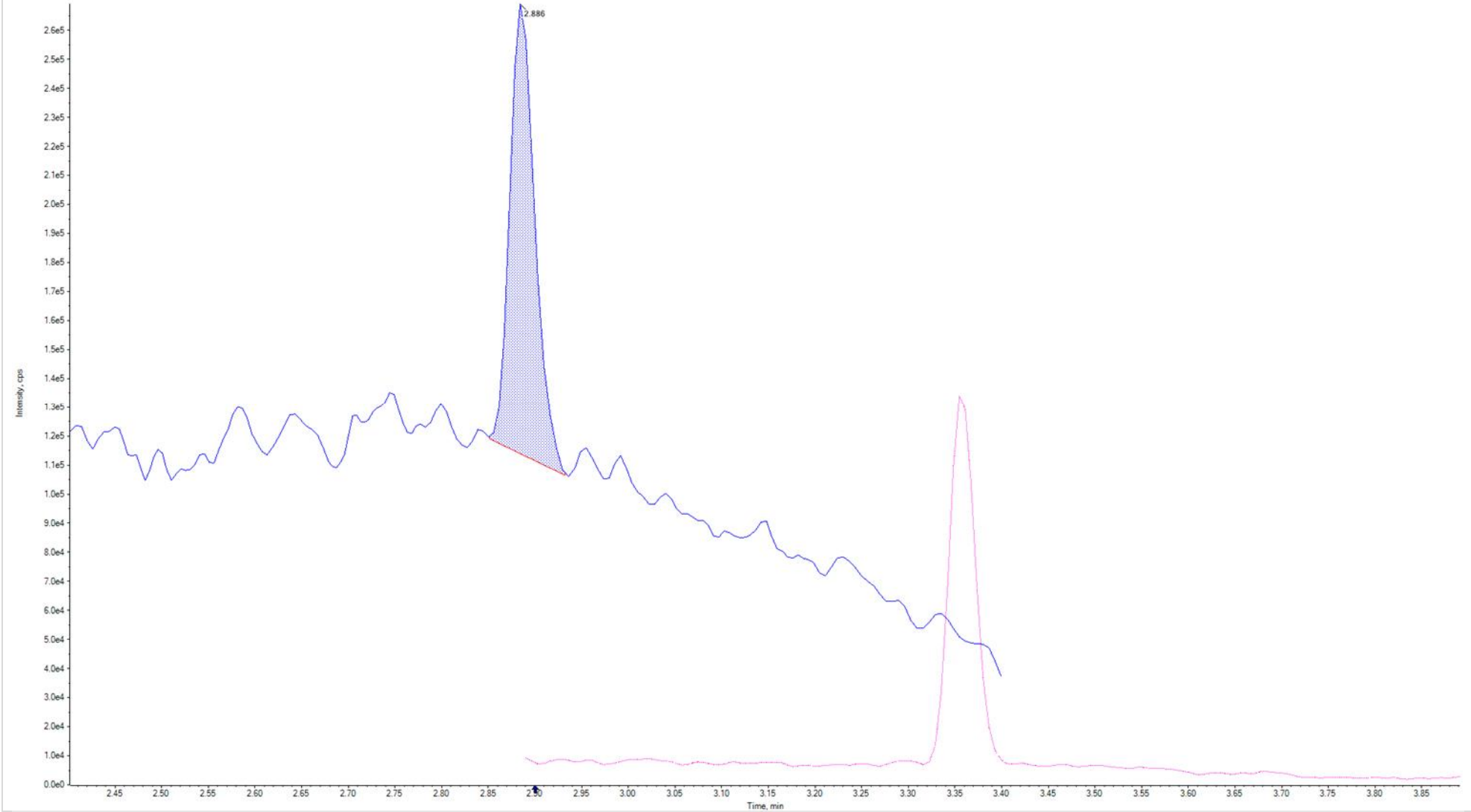
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFBS_2
Sample: WG2011107-5 S/N:307.0 Points Across peak:18



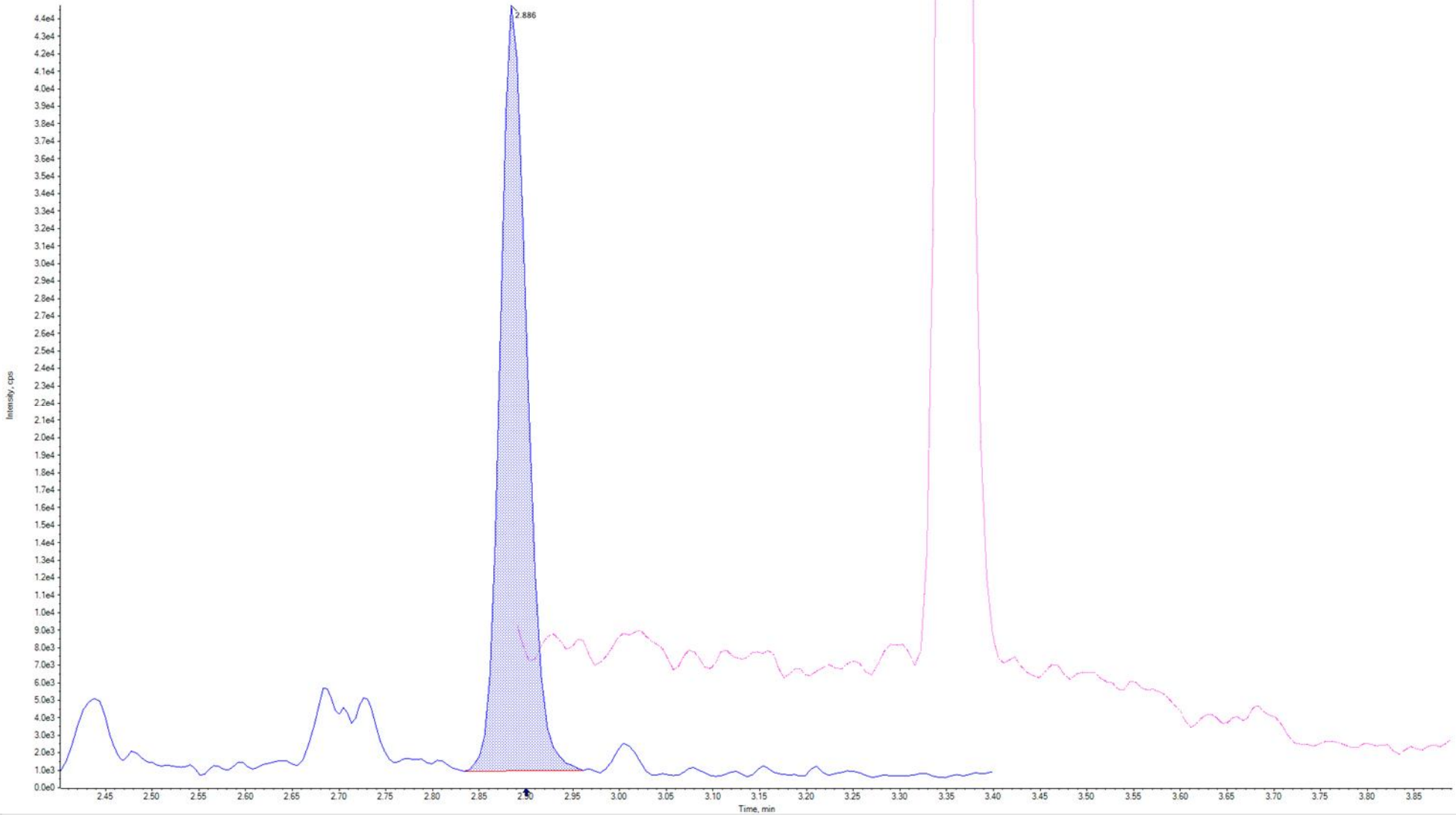
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFPeS
Sample: WG2011107-5 S/N:89.4 Points Across peak:15



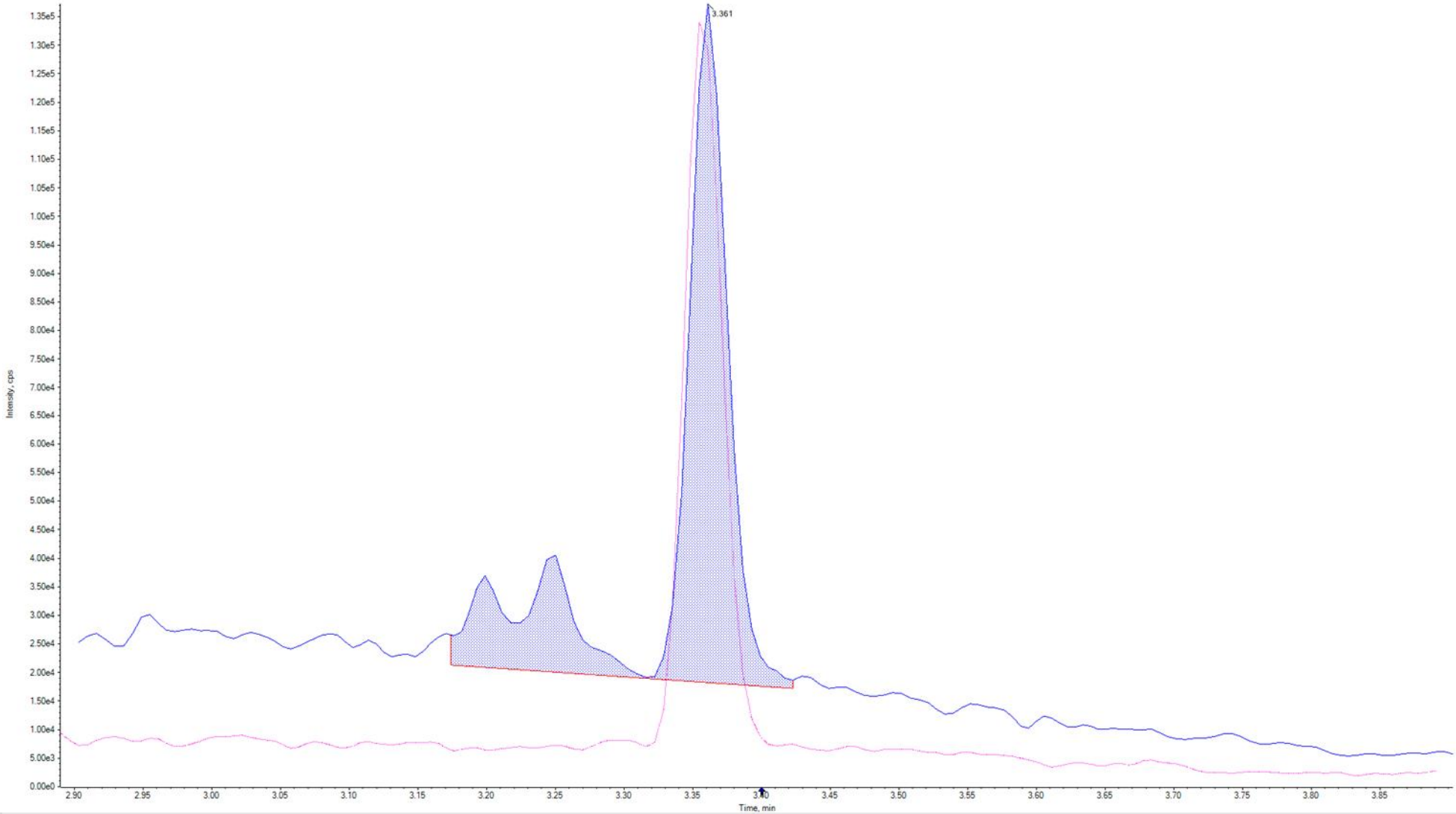
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFPeS_2
Sample: WG2011107-5 S/N:298.0 Points Across peak:22



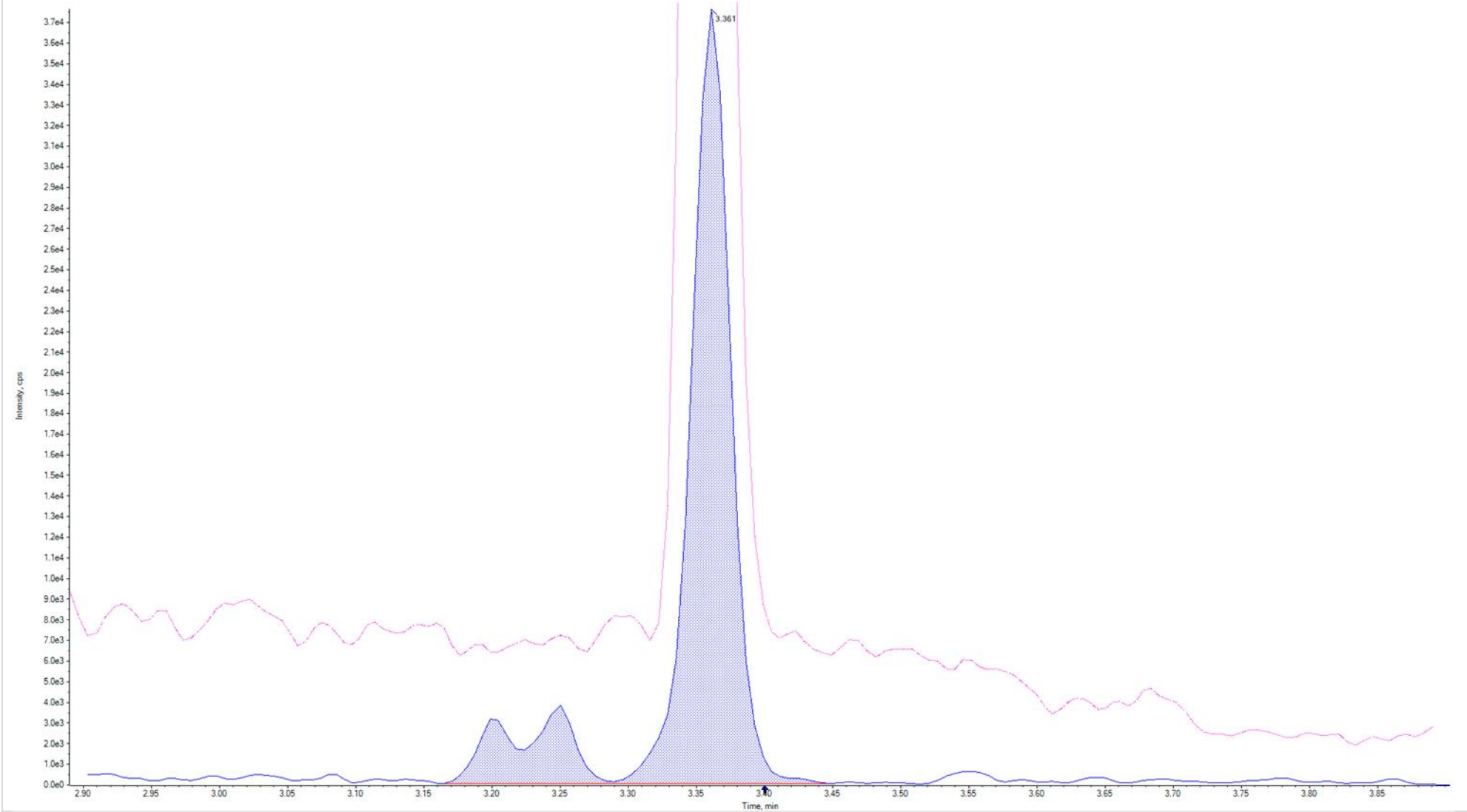
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFHxS
Sample: WG2011107-5 S/N:94.3 Points Across peak:41



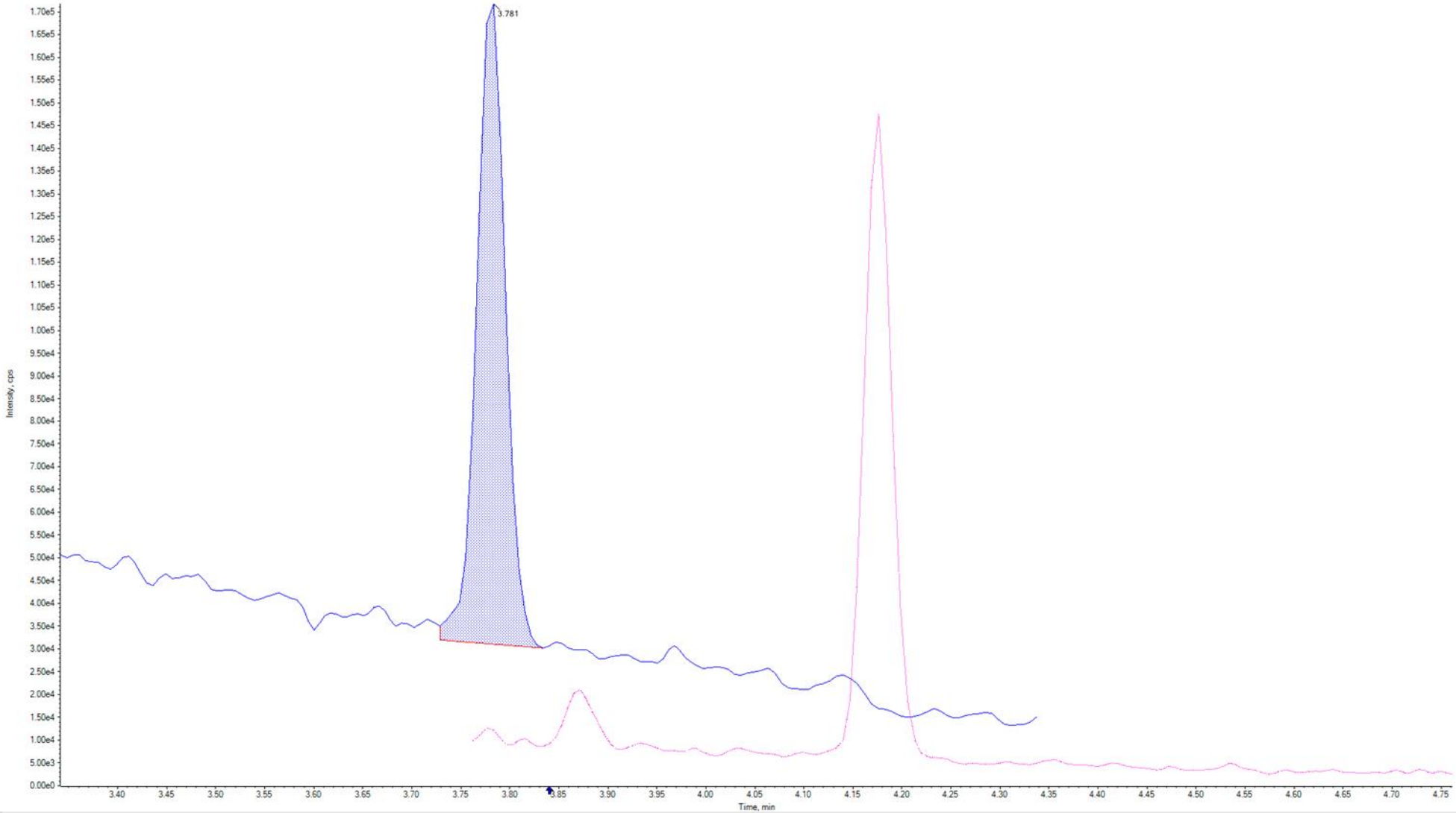
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFHxS_2
Sample: WG2011107-5 S/N:256.7 Points Across peak:47



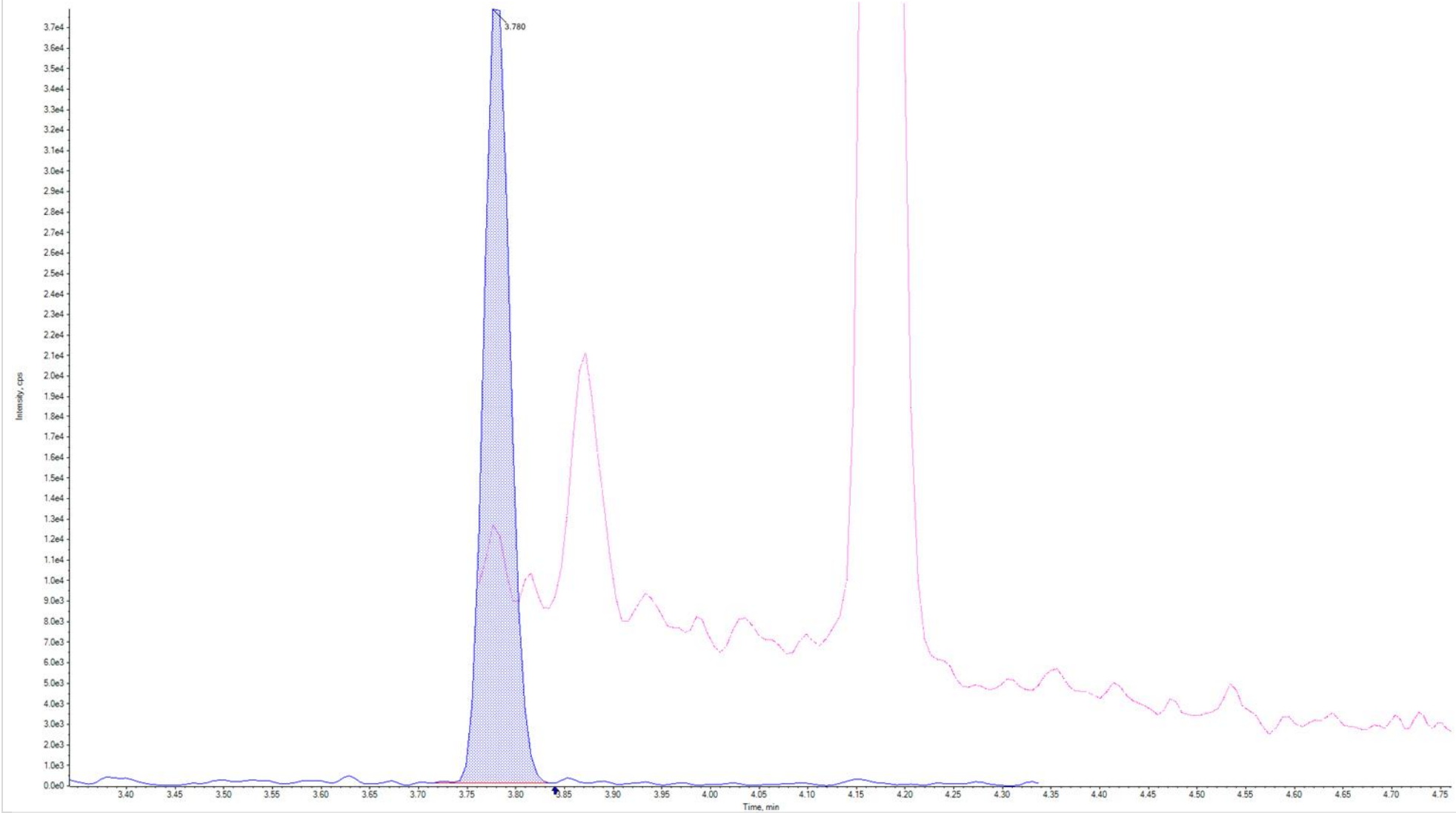
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFHpS
Sample: WG2011107-5 S/N:172.6 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFHpS_2
Sample: WG2011107-5 S/N:757.2 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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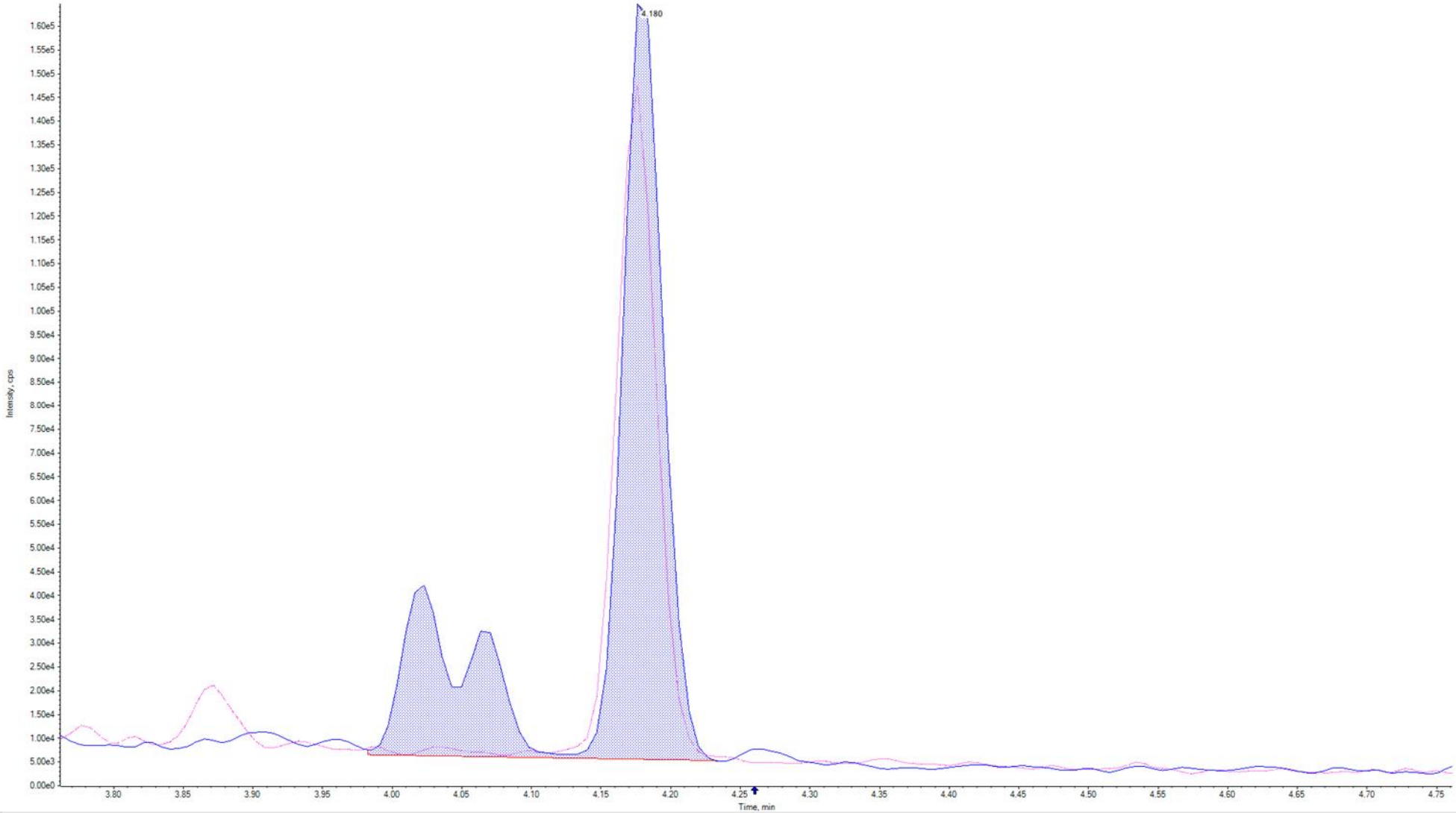
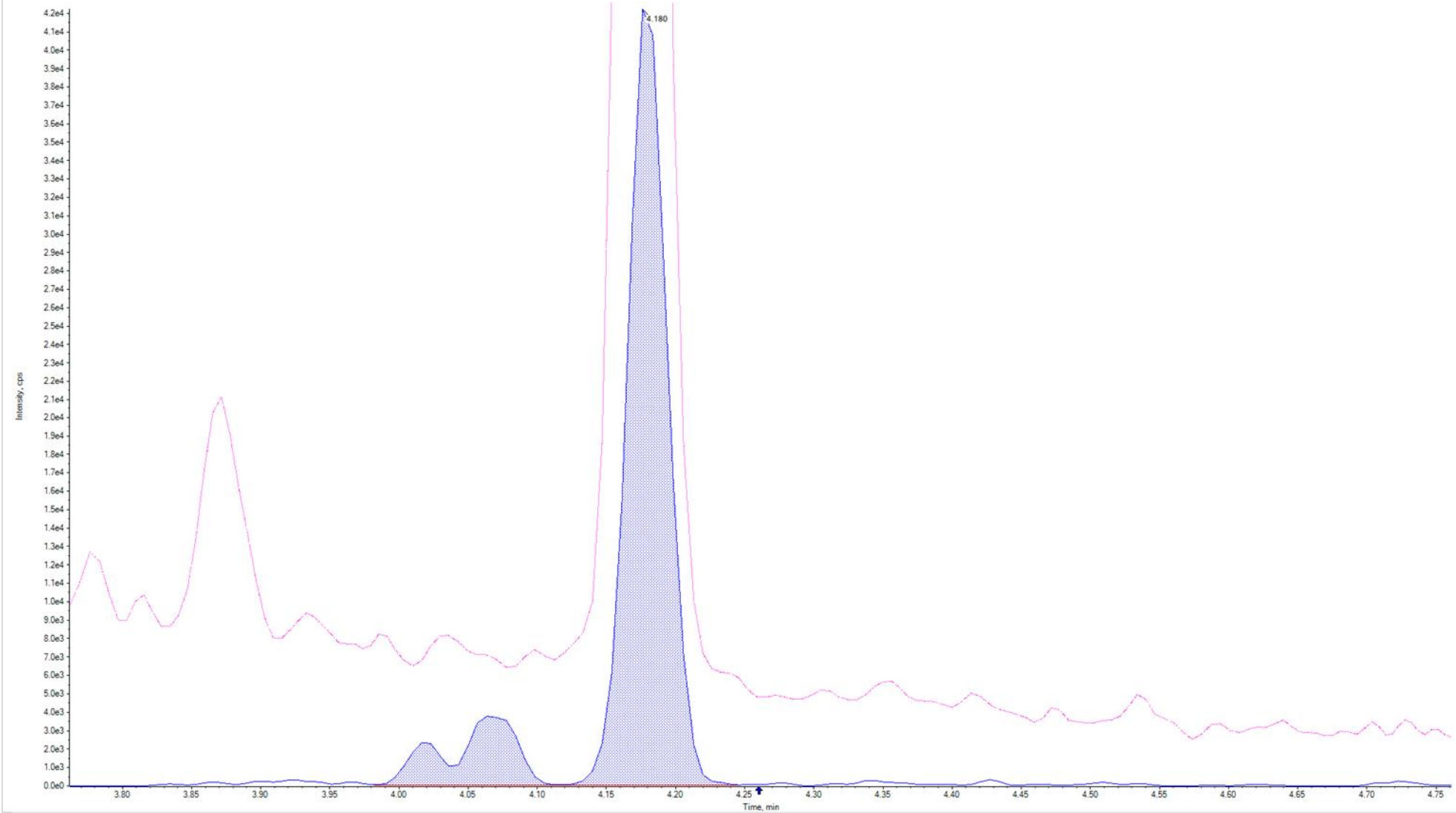
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFOS
Sample: WG2011107-5 S/N:117.3 Points Across peak:39



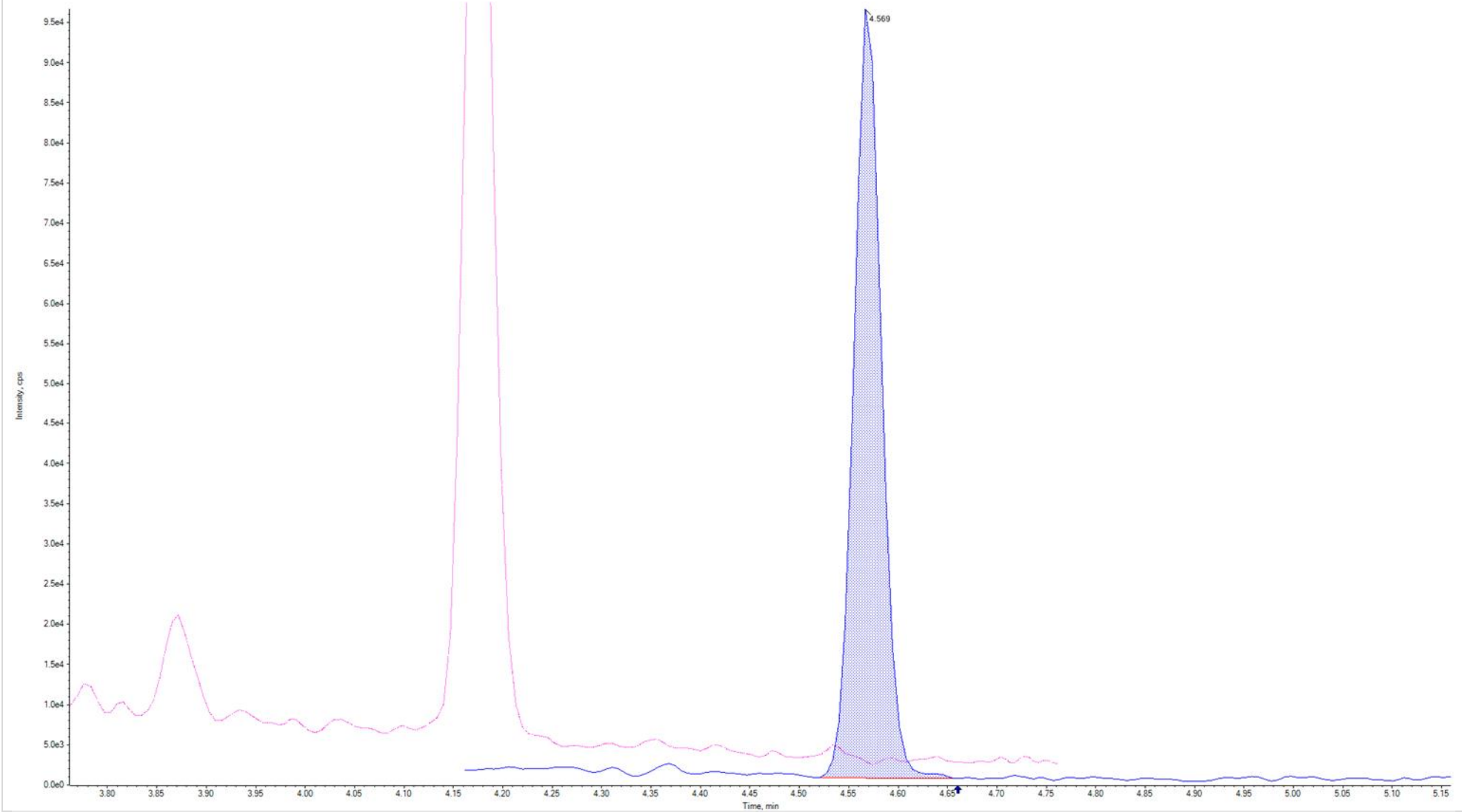
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFOS_2
Sample: WG2011107-5 S/N:418.5 Points Across peak:41



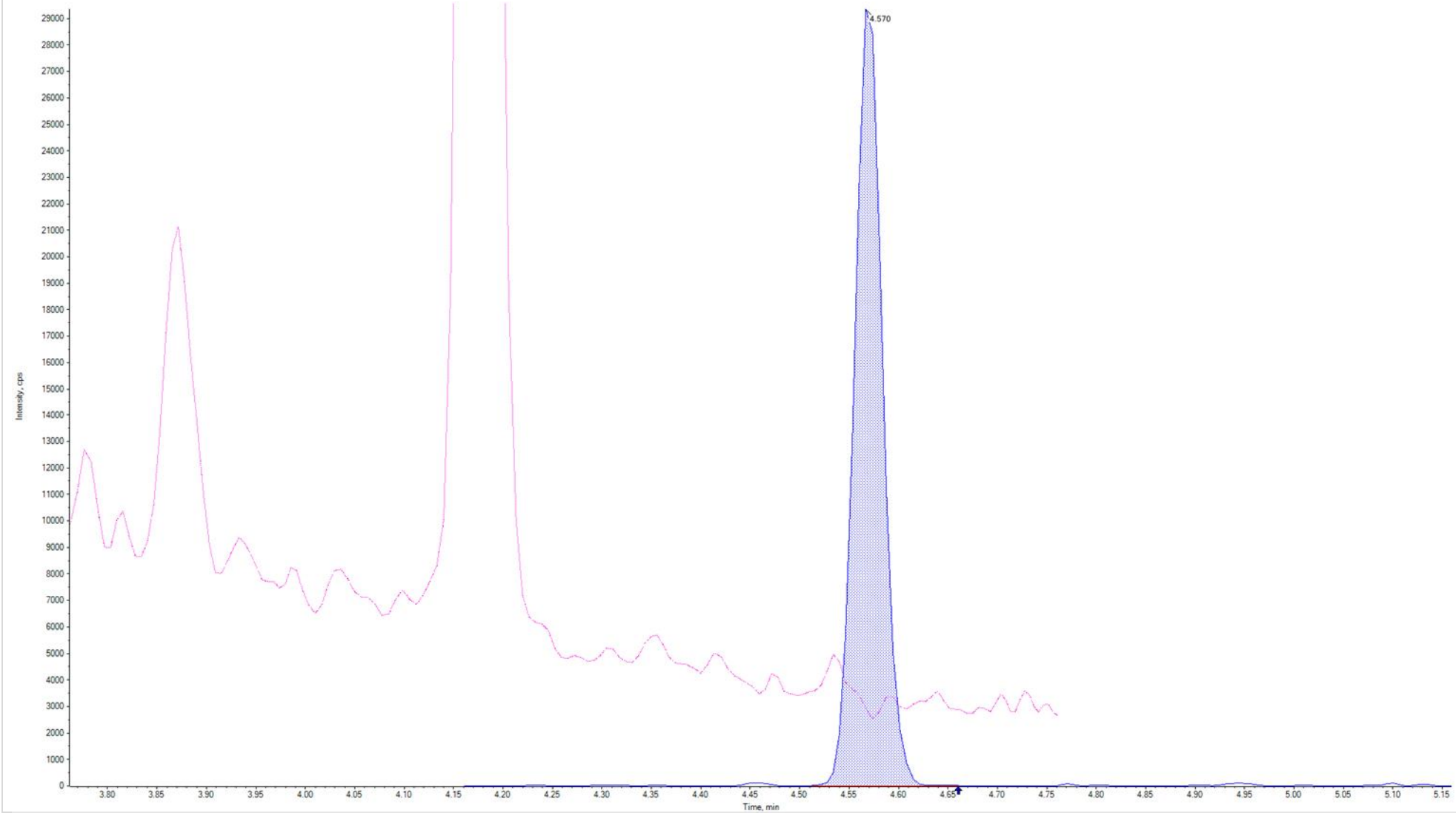
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFNS
Sample: WG2011107-5 S/N:671.9 Points Across peak:23



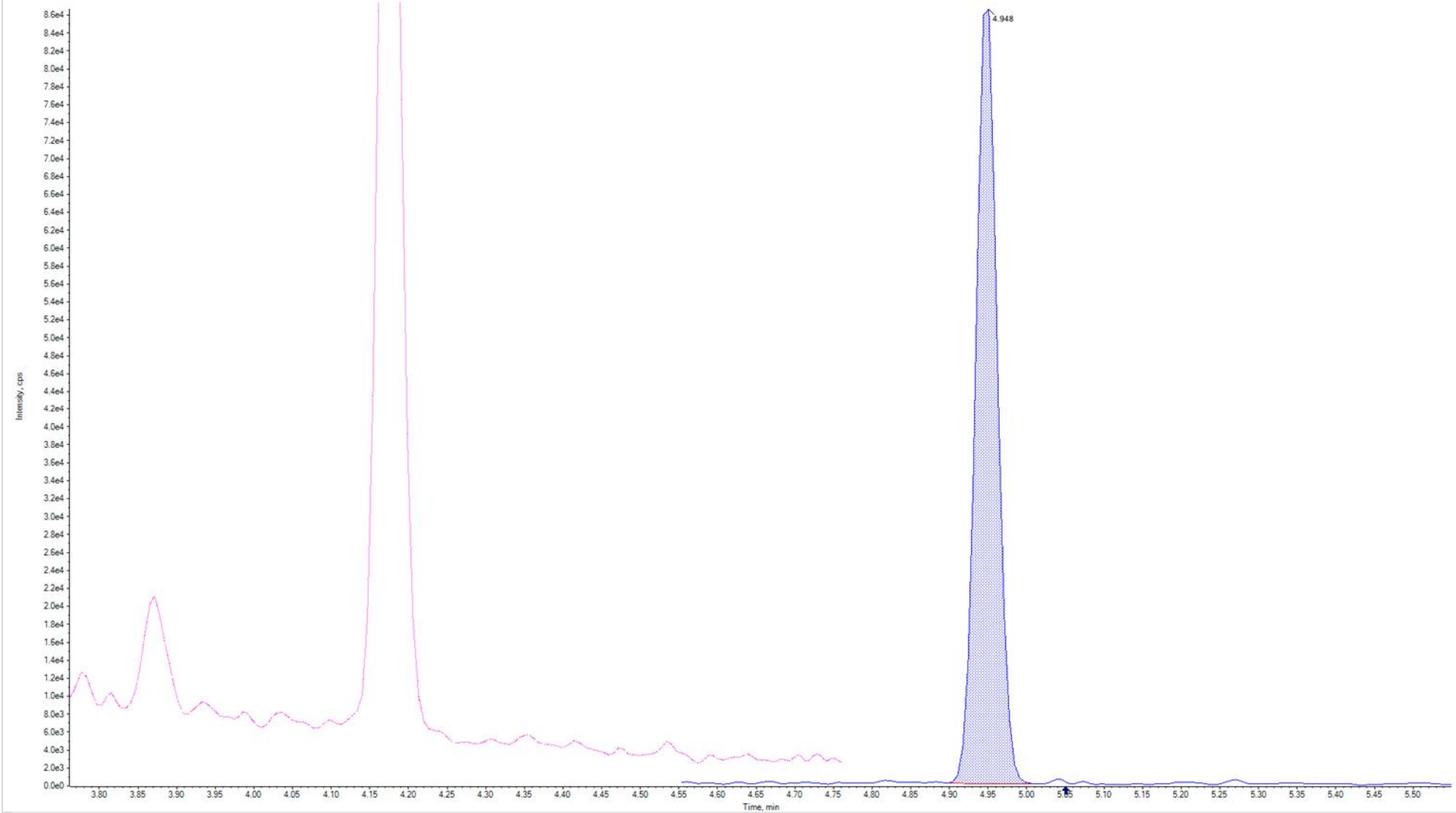
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFNS_2
Sample: WG2011107-5 S/N:735.9 Points Across peak:30



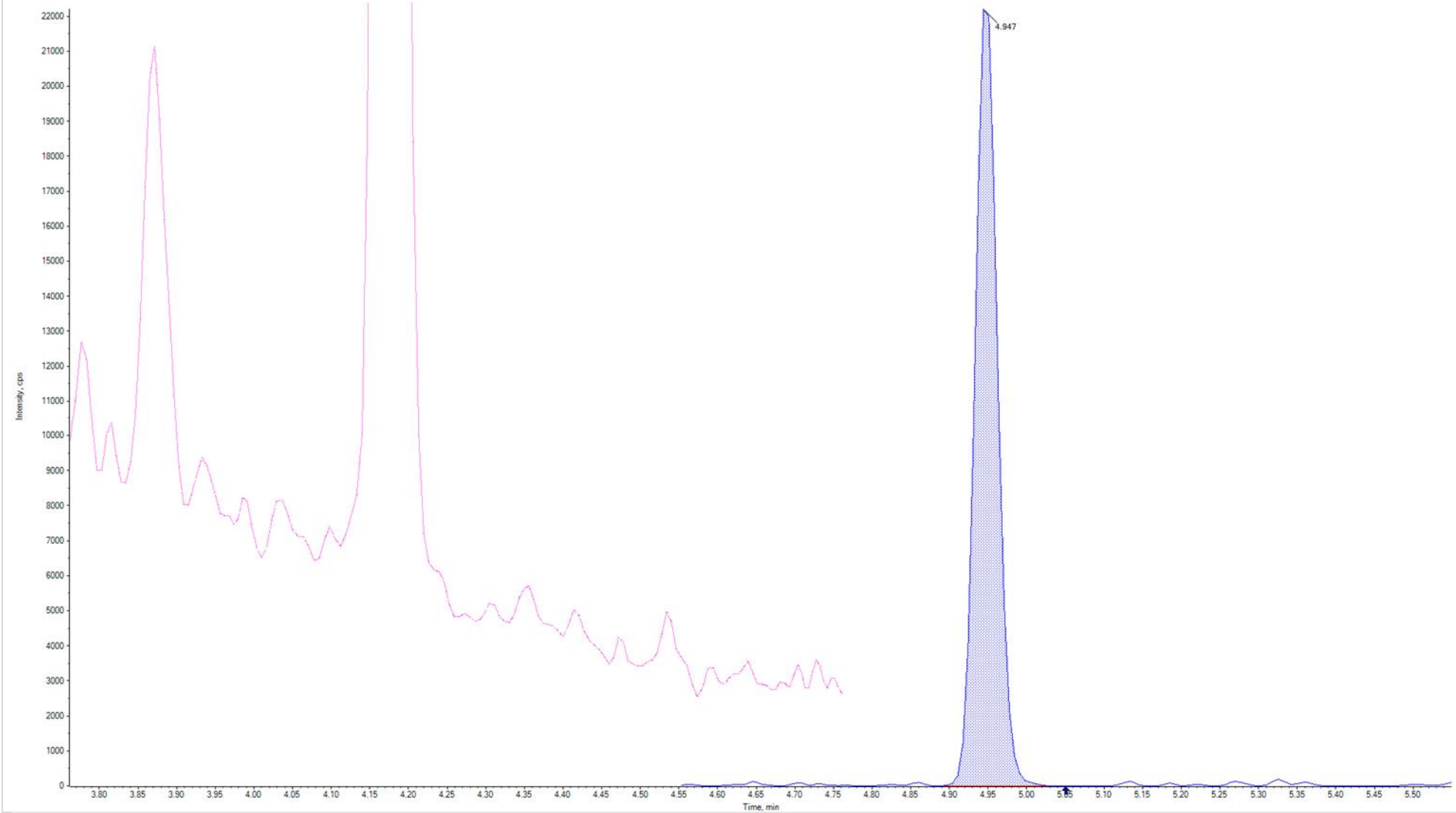
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFDS
Sample: WG2011107-5 S/N:1263.7 Points Across peak:19



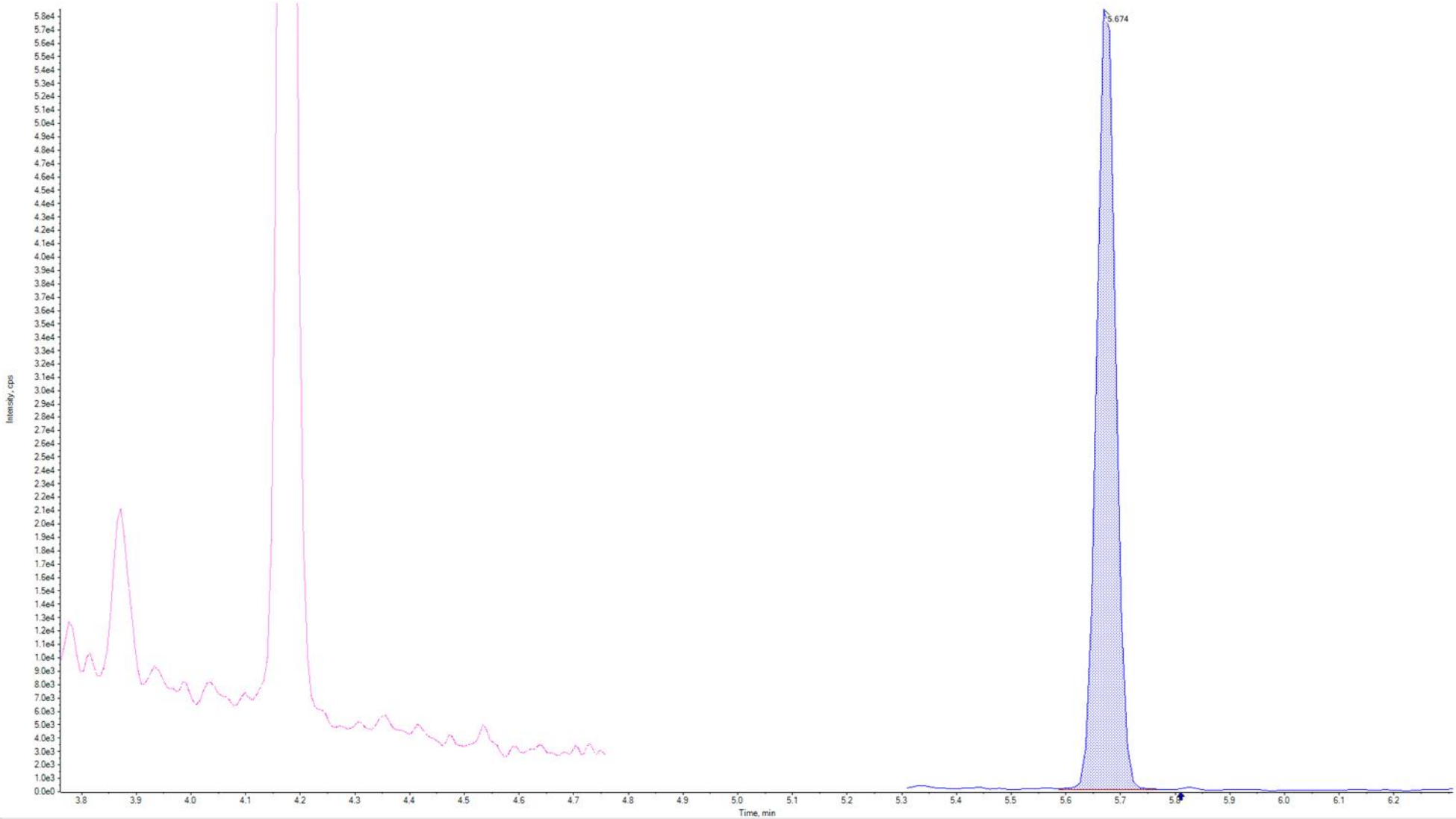
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFDS_2
Sample: WG2011107-5 S/N:779.2 Points Across peak:25



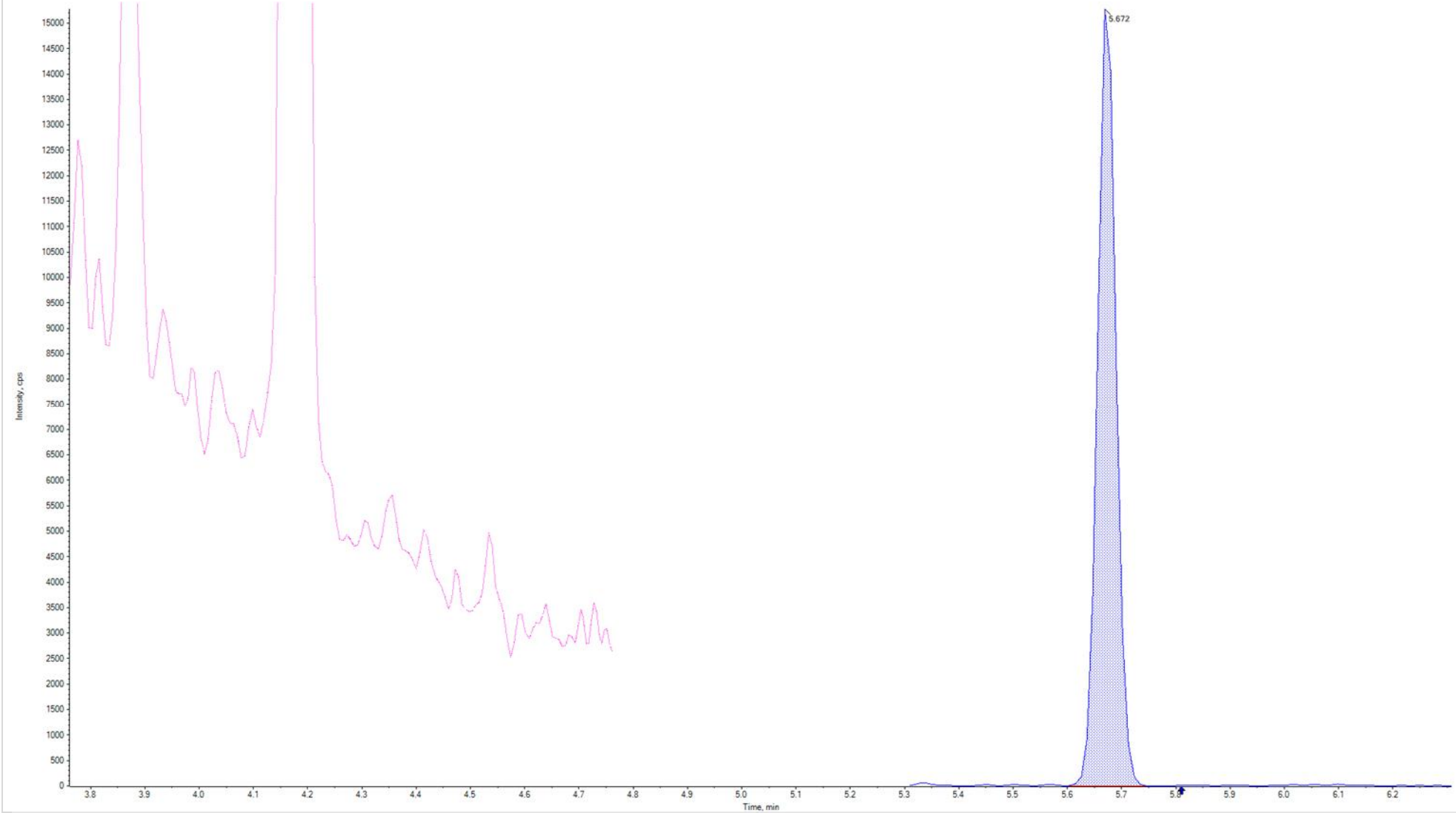
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFDoS
Sample: WG2011107-5 S/N:605.3 Points Across peak:19



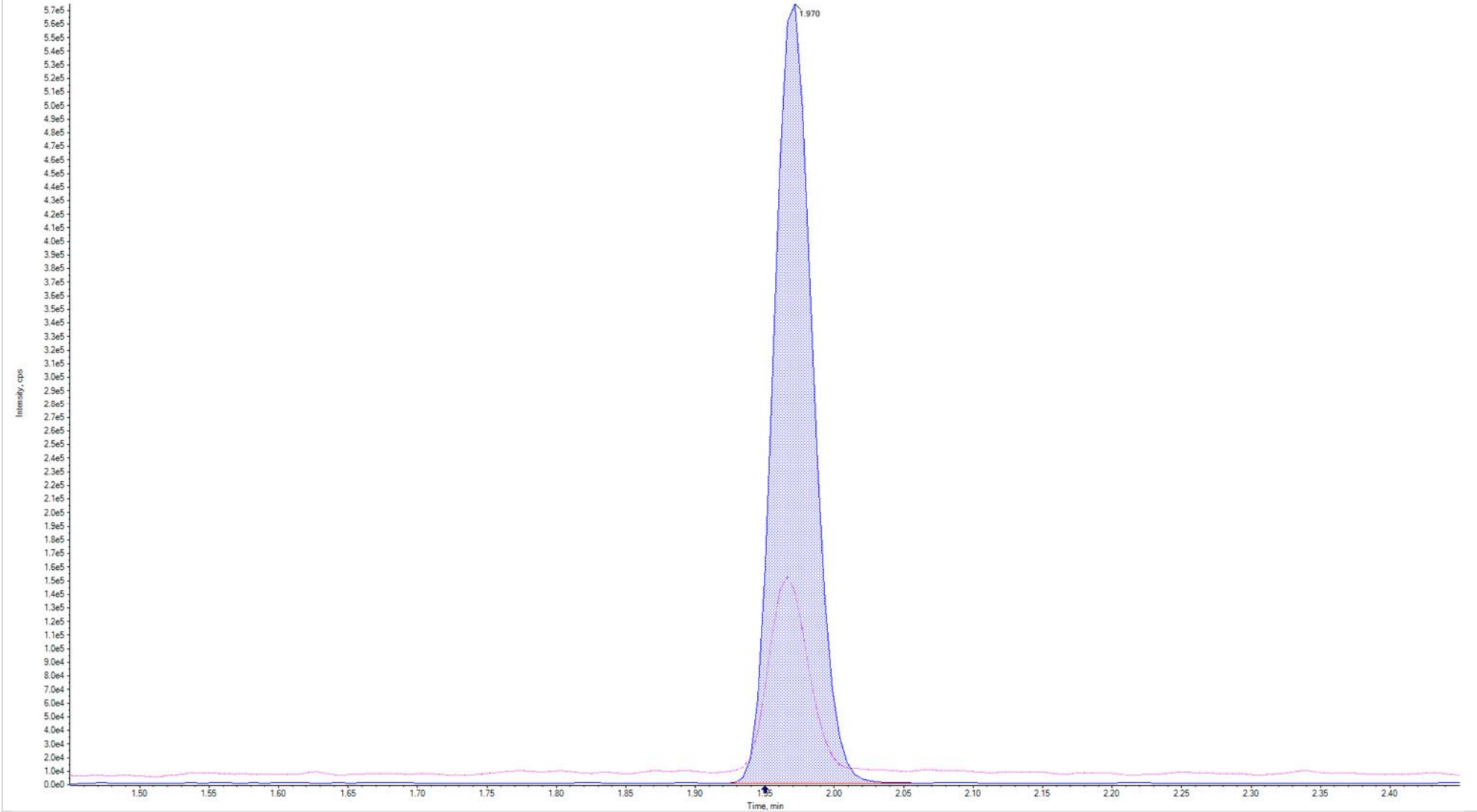
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFDoS_2
Sample: WG2011107-5 S/N:1186.9 Points Across peak:17



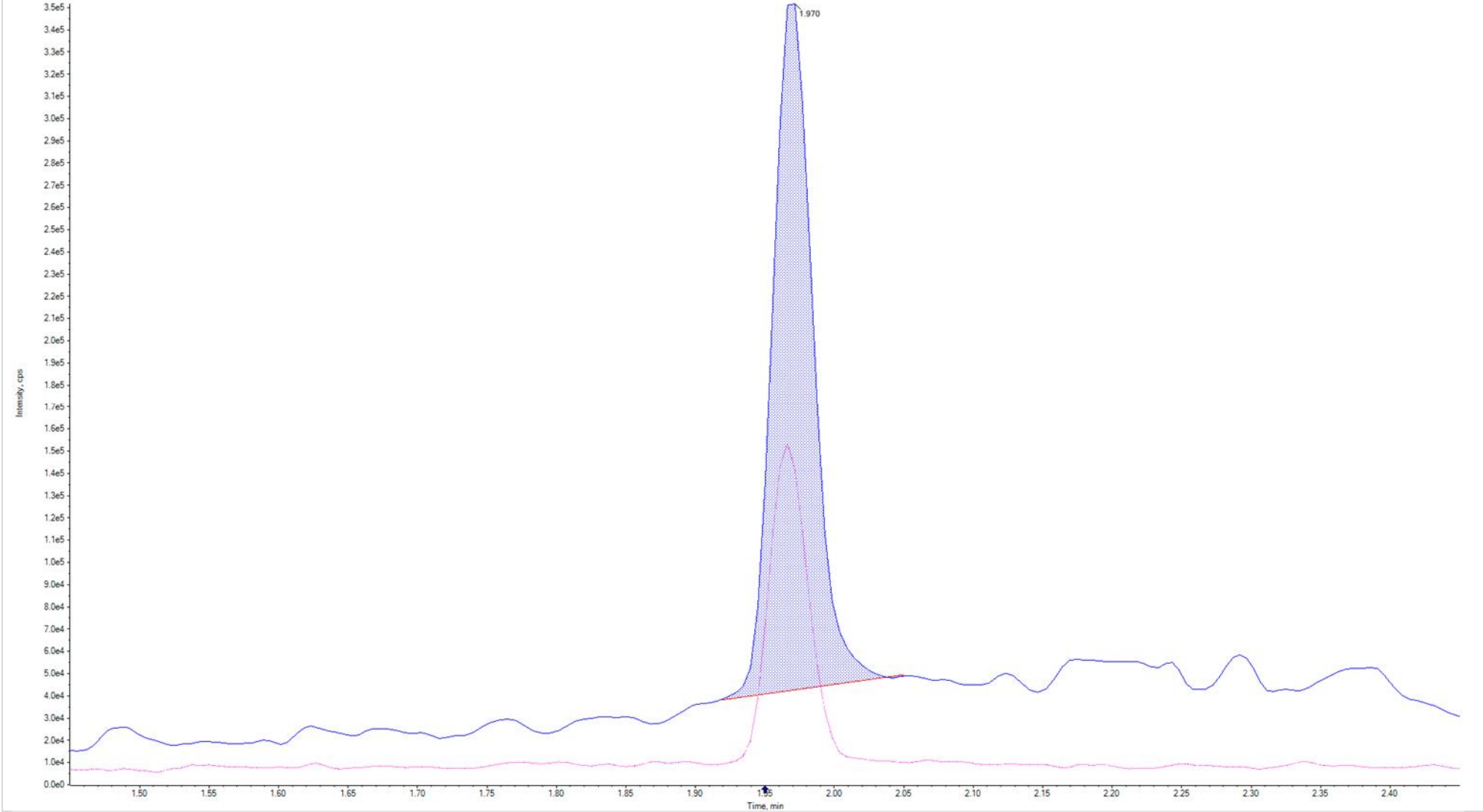
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

4:2FTS
Sample: WG2011107-5 S/N:2019.0 Points Across peak:28



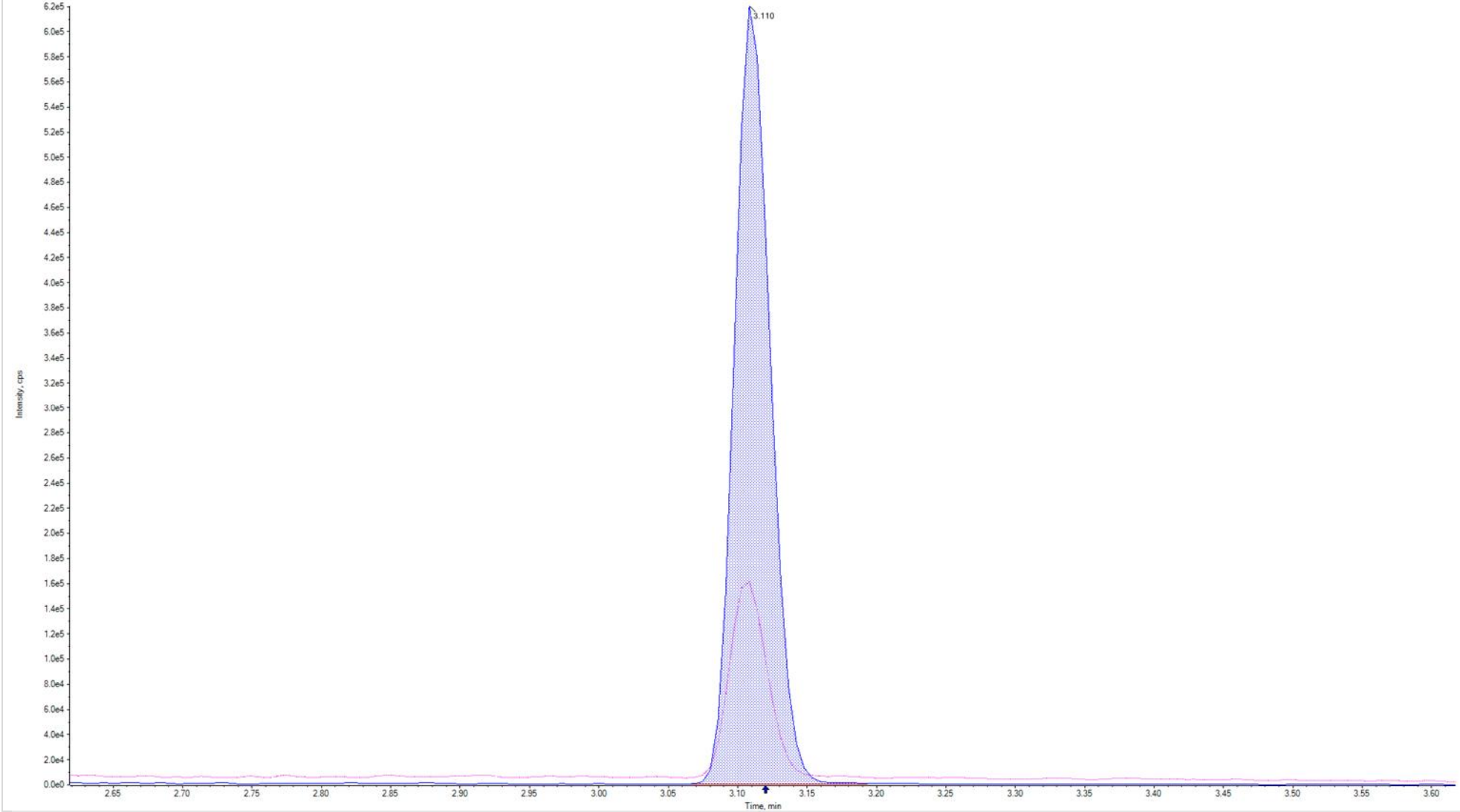
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

4:2FTS_2
Sample: WG2011107-5 S/N:300.3 Points Across peak:27



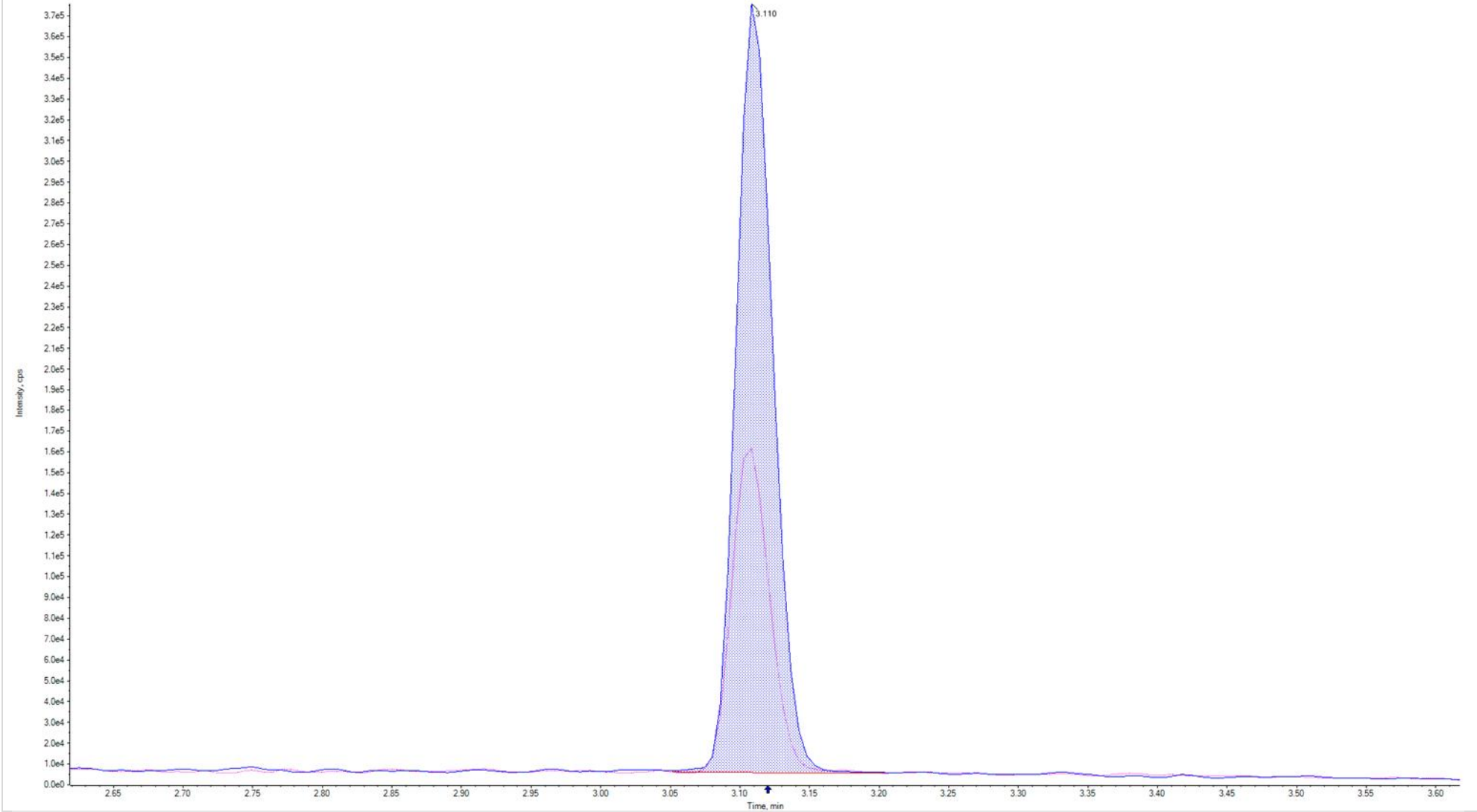
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

6:2FTS
Sample: WG2011107-5 S/N:4888.1 Points Across peak:25

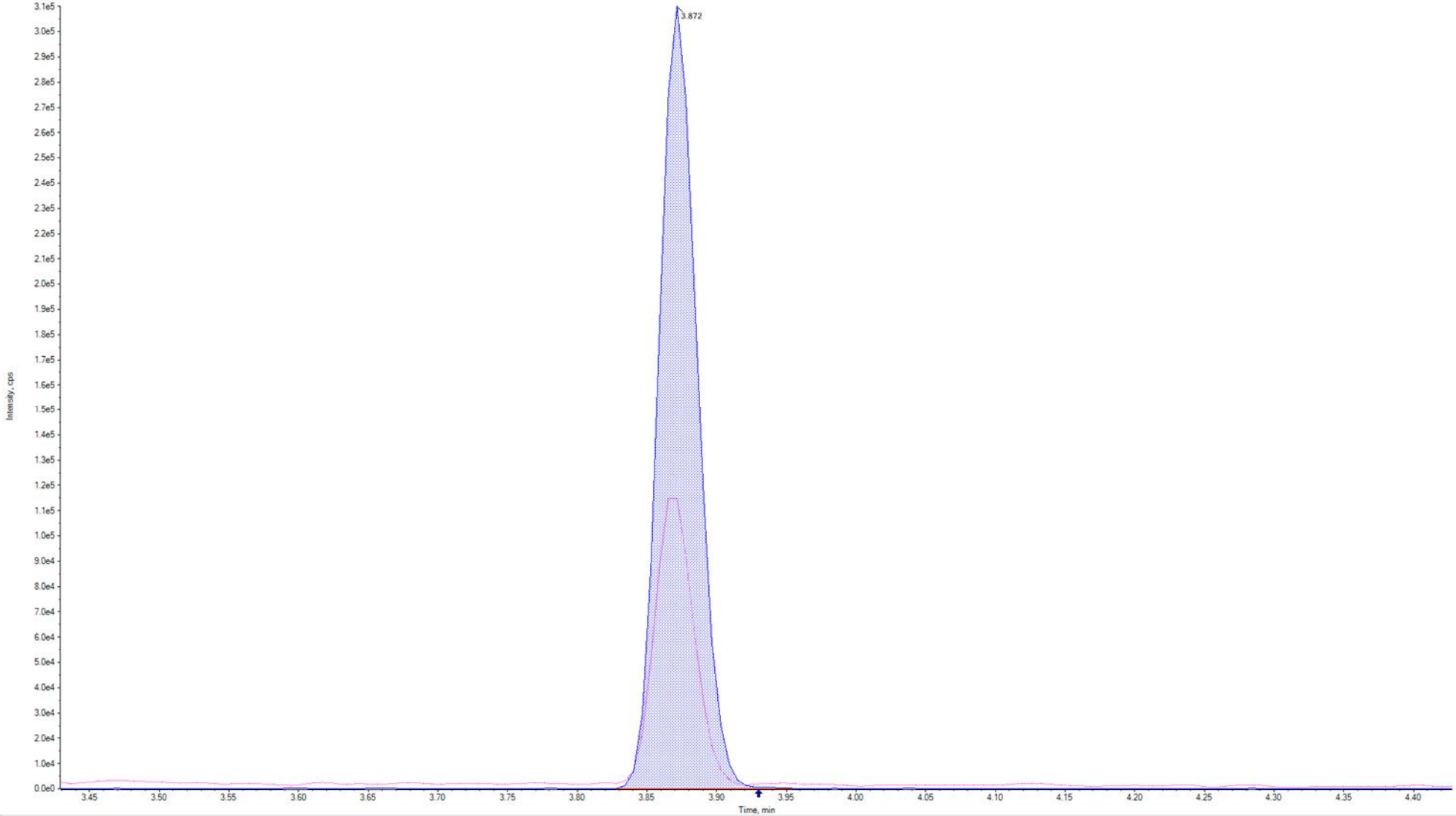


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

6:2FTS_2
Sample: WG2011107-5 S/N:747.8 Points Across peak:29

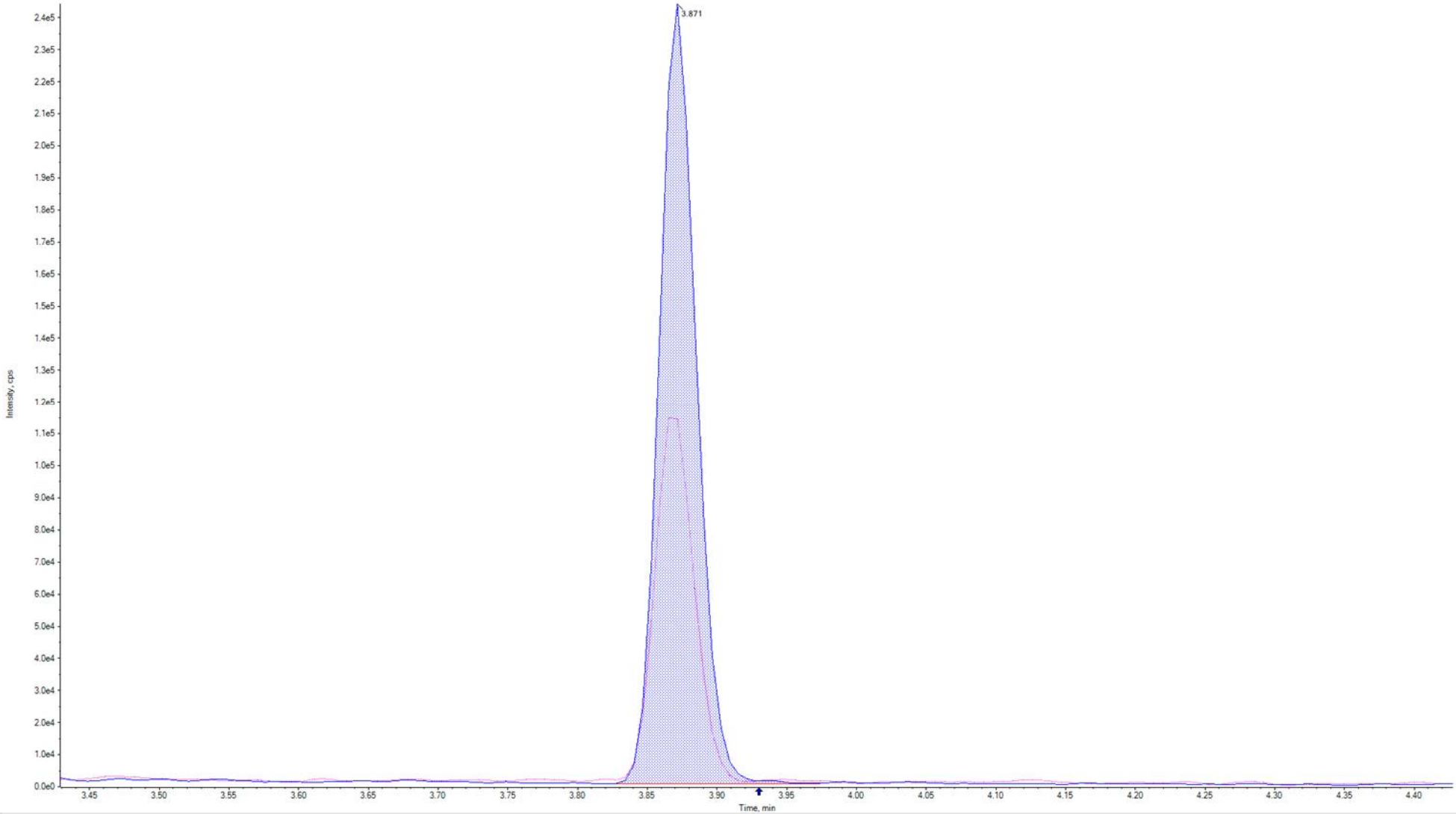


8:2FTS
Sample: WG2011107-5 S/N:6218.7 Points Across peak:26



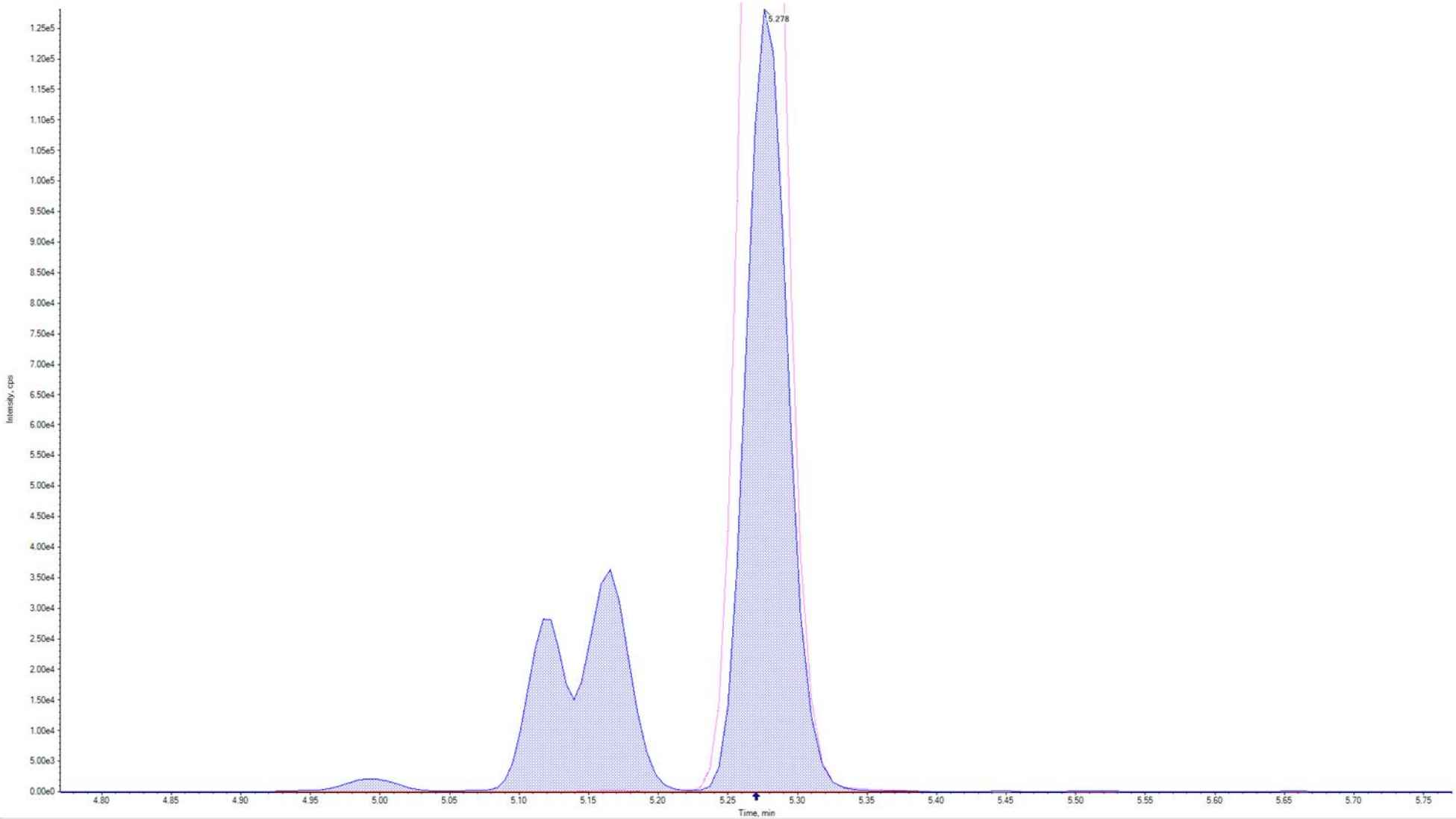
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

8:2FTS_2
Sample: WG2011107-5 S/N:1170.1 Points Across peak:26



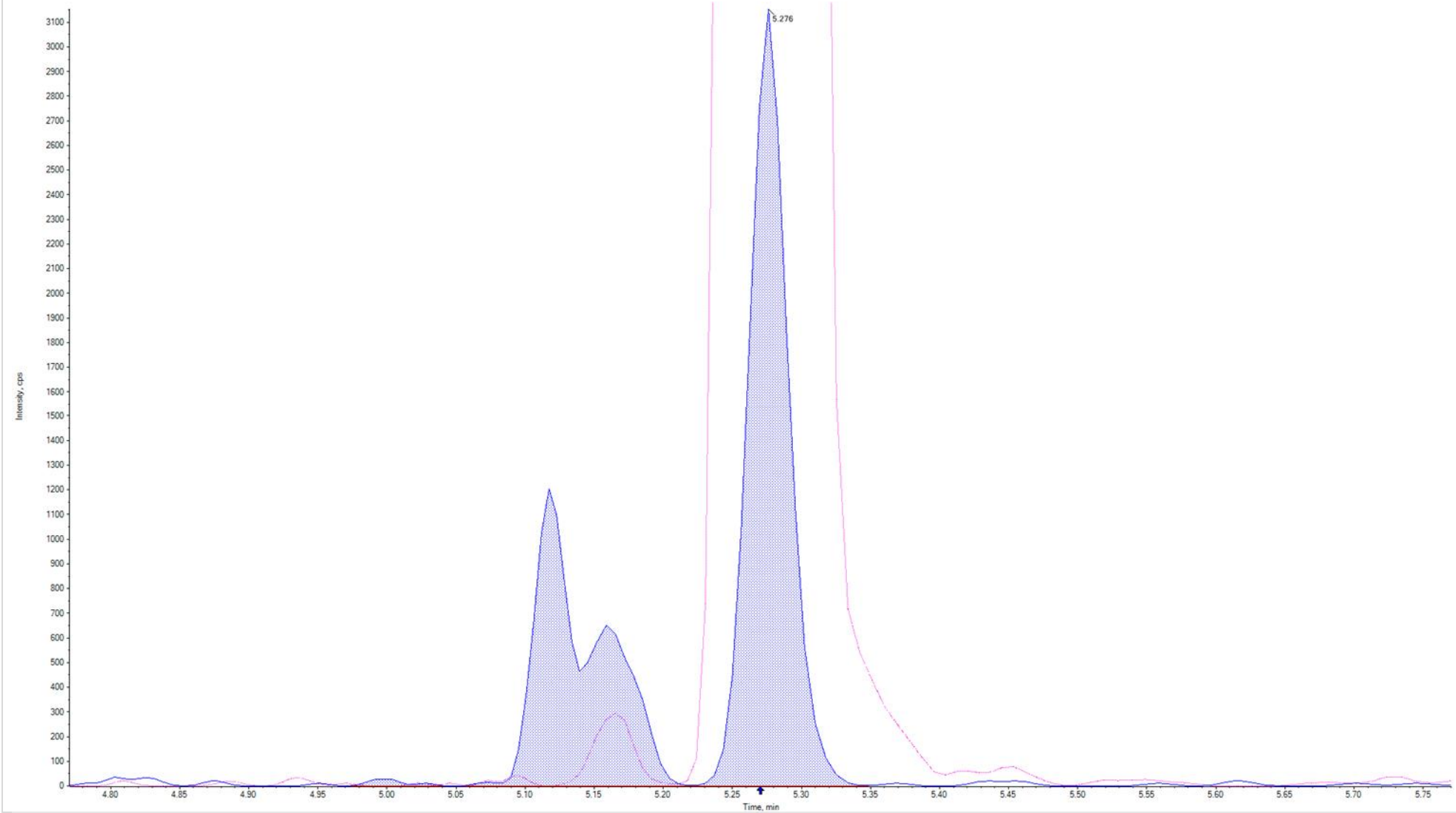
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFOSA
Sample: WG2011107-5 S/N:236.9 Points Across peak:76



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

PFOSA_2
Sample: WG2011107-5 S/N:198.4 Points Across peak:62



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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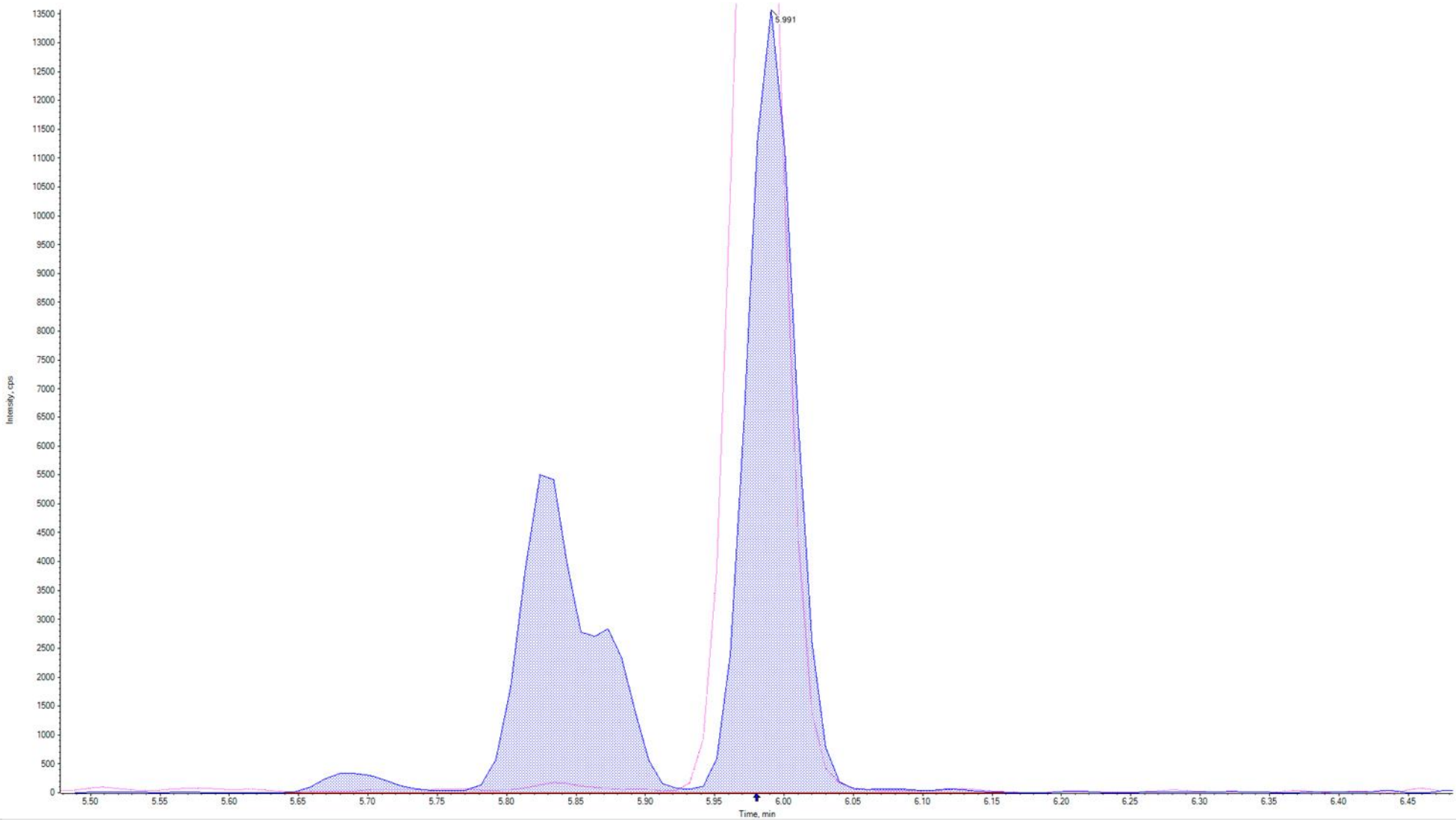
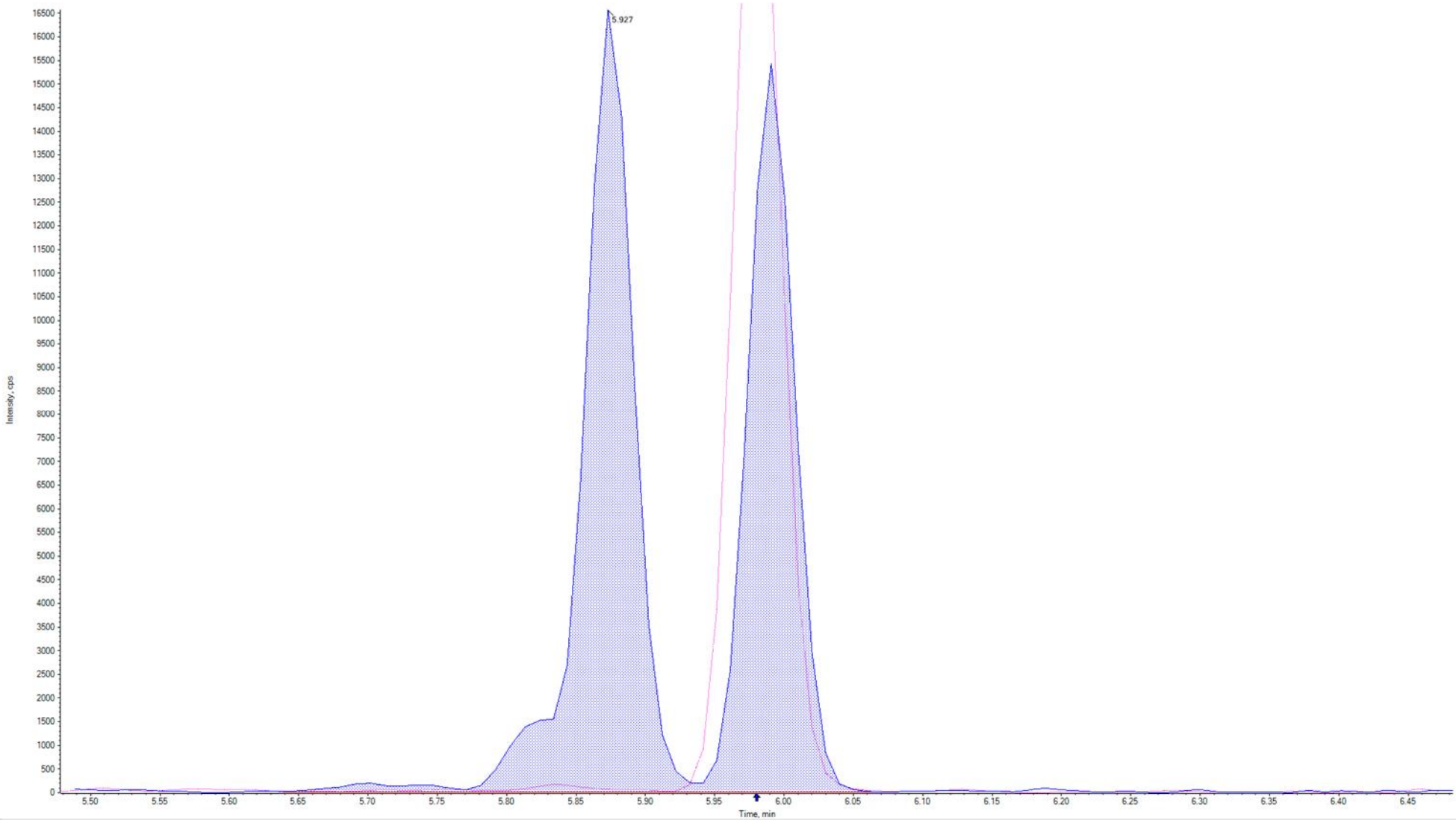
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

NMeFOSA
Sample: WG2011107-5 S/N:234.0 Points Across peak:55



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

NMeFOSA_2
Sample: WG2011107-5 S/N:191.4 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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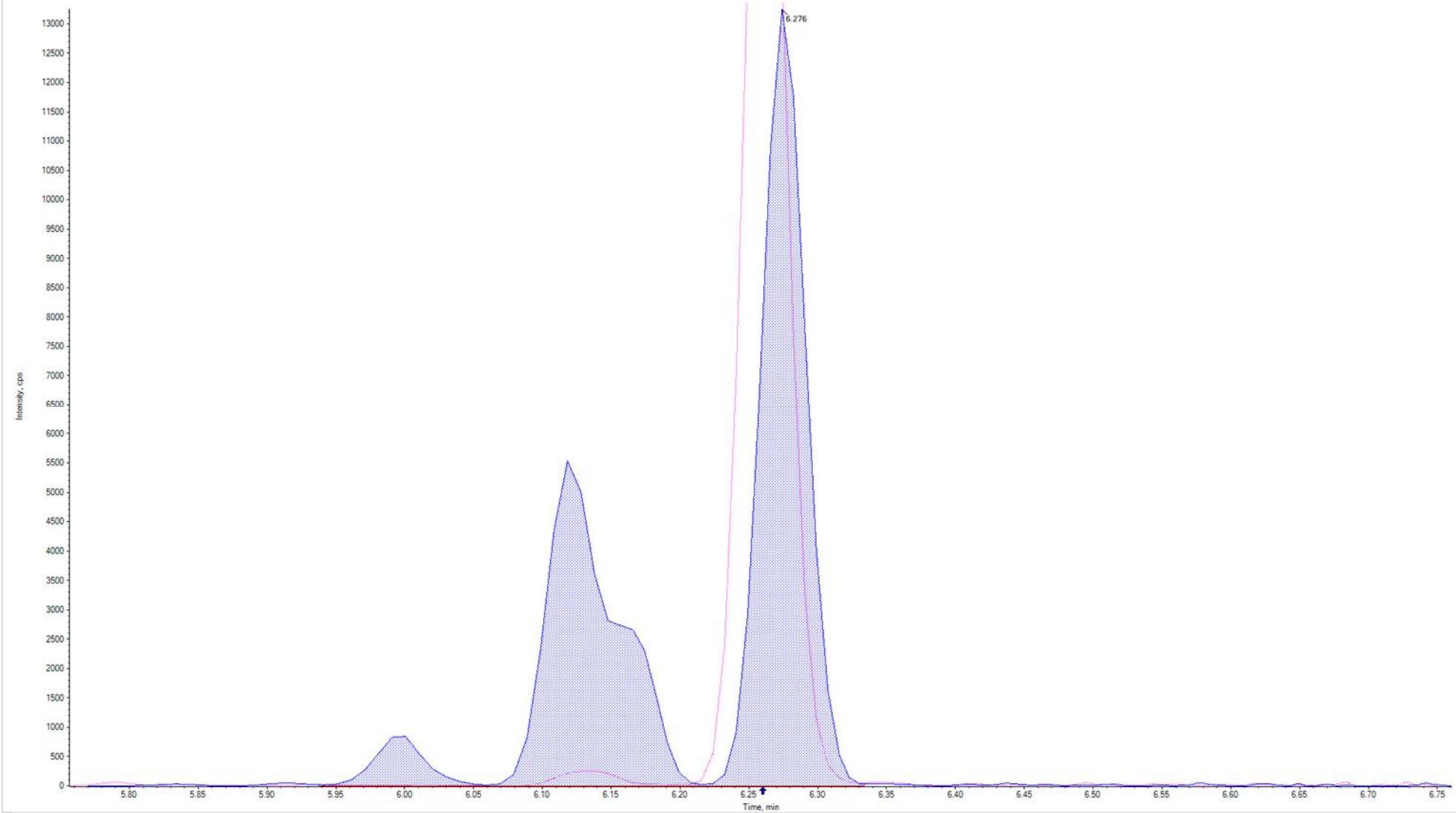
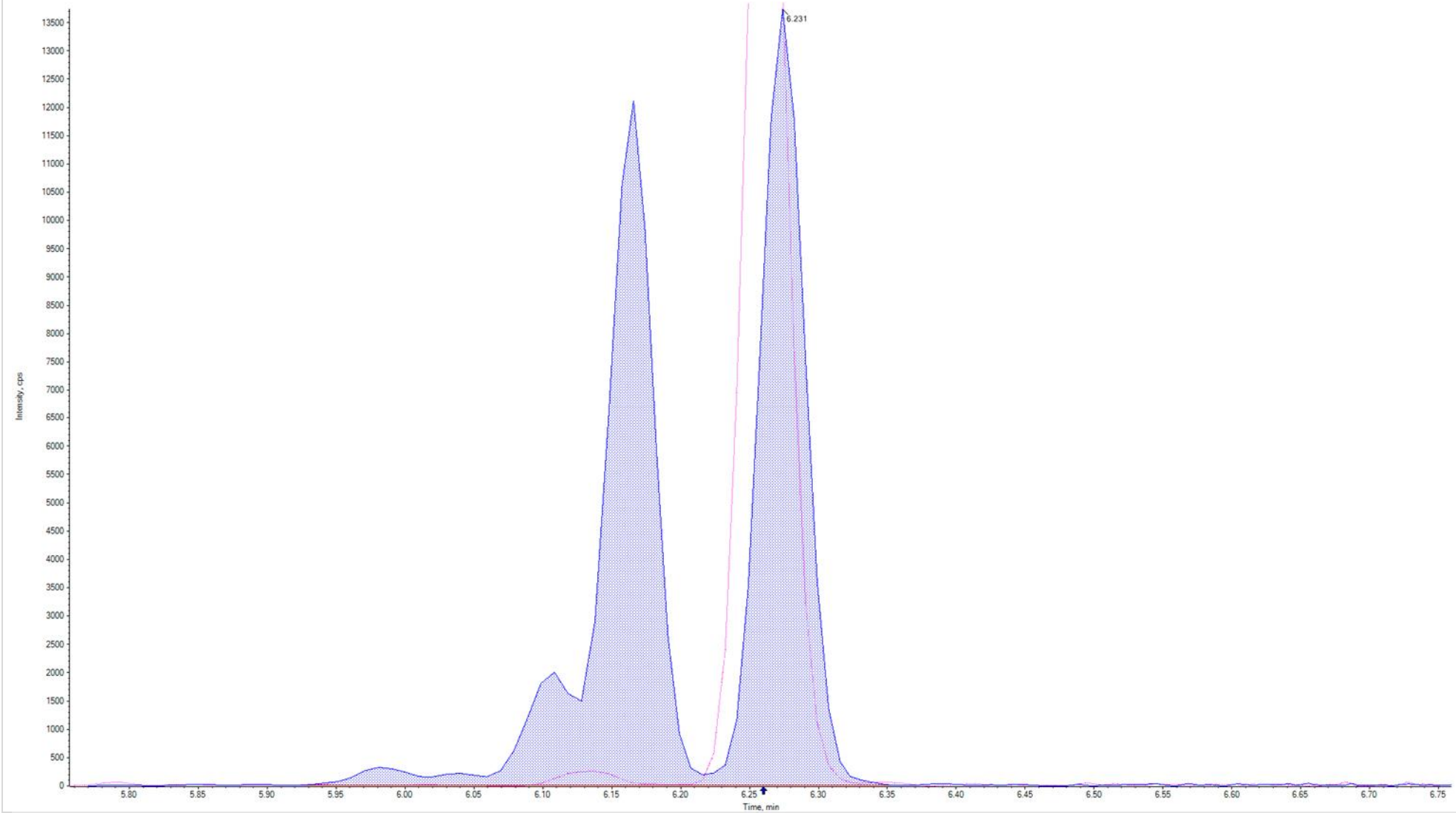
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

NEtFOSA
Sample: WG2011107-5 S/N:456.6 Points Across peak:46



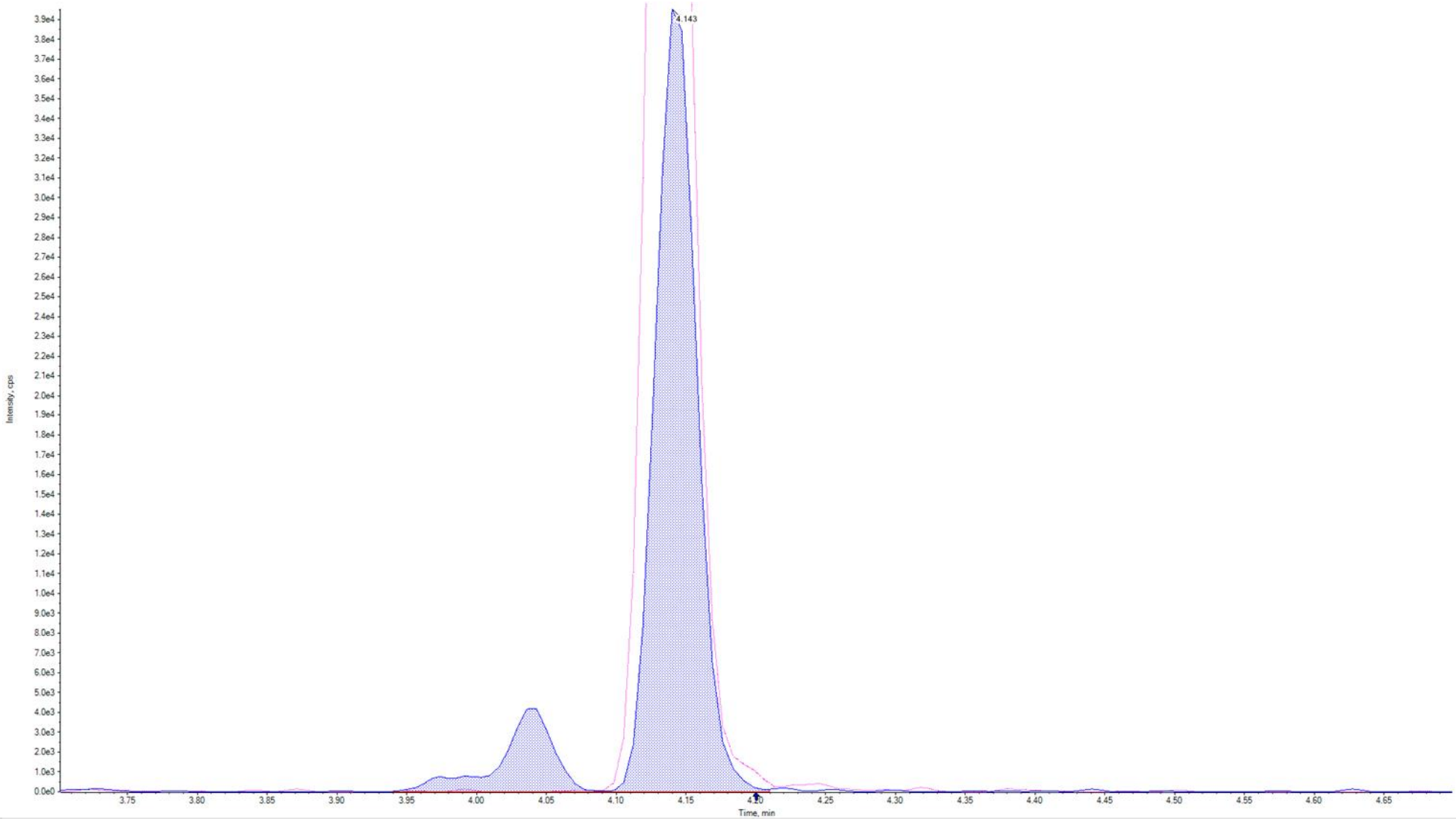
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

NEtFOSA_2
Sample: WG2011107-5 S/N:530.7 Points Across peak:51



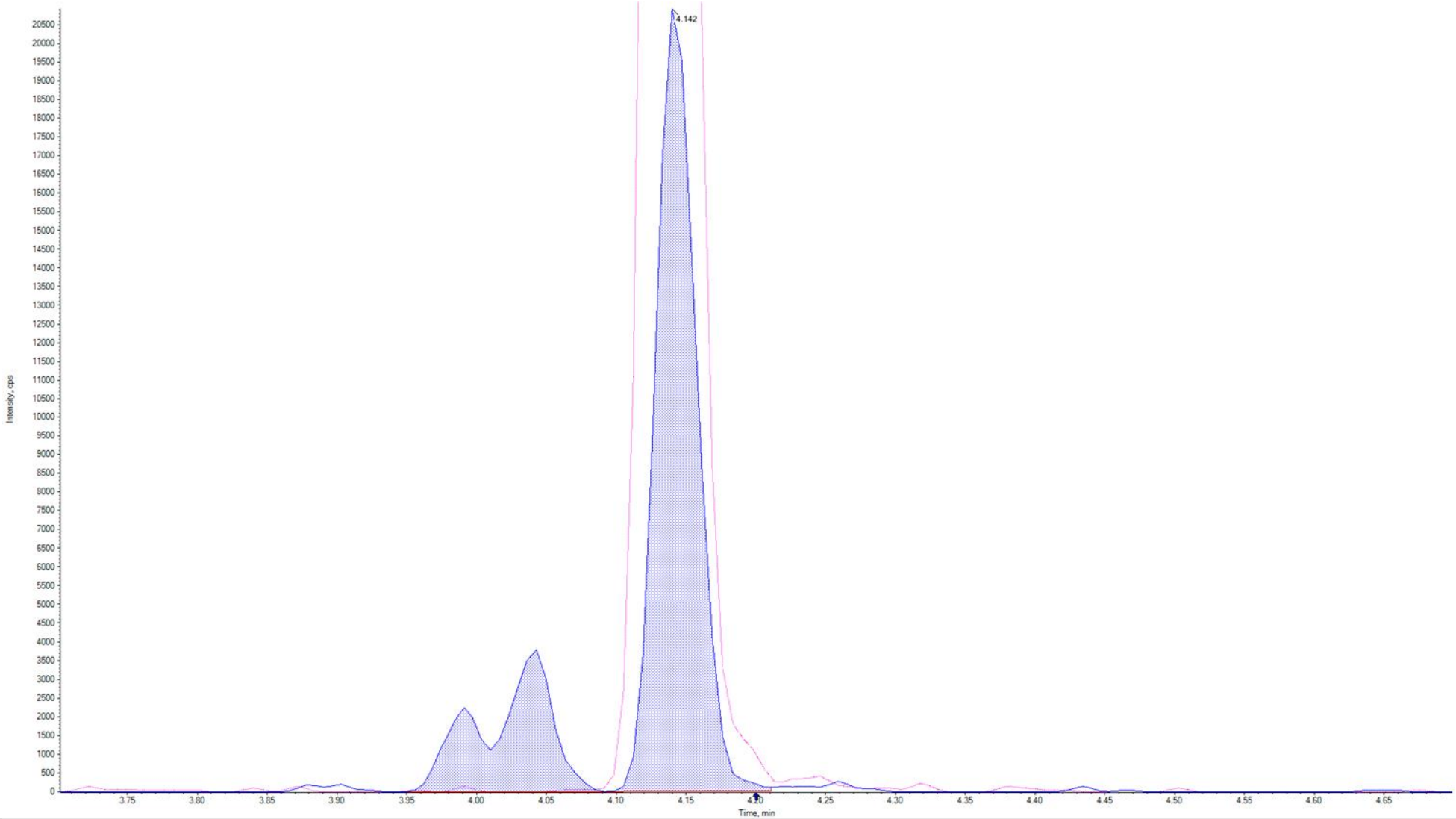
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

NMeFOSAA
Sample: WG2011107-5 S/N:579.8 Points Across peak:44



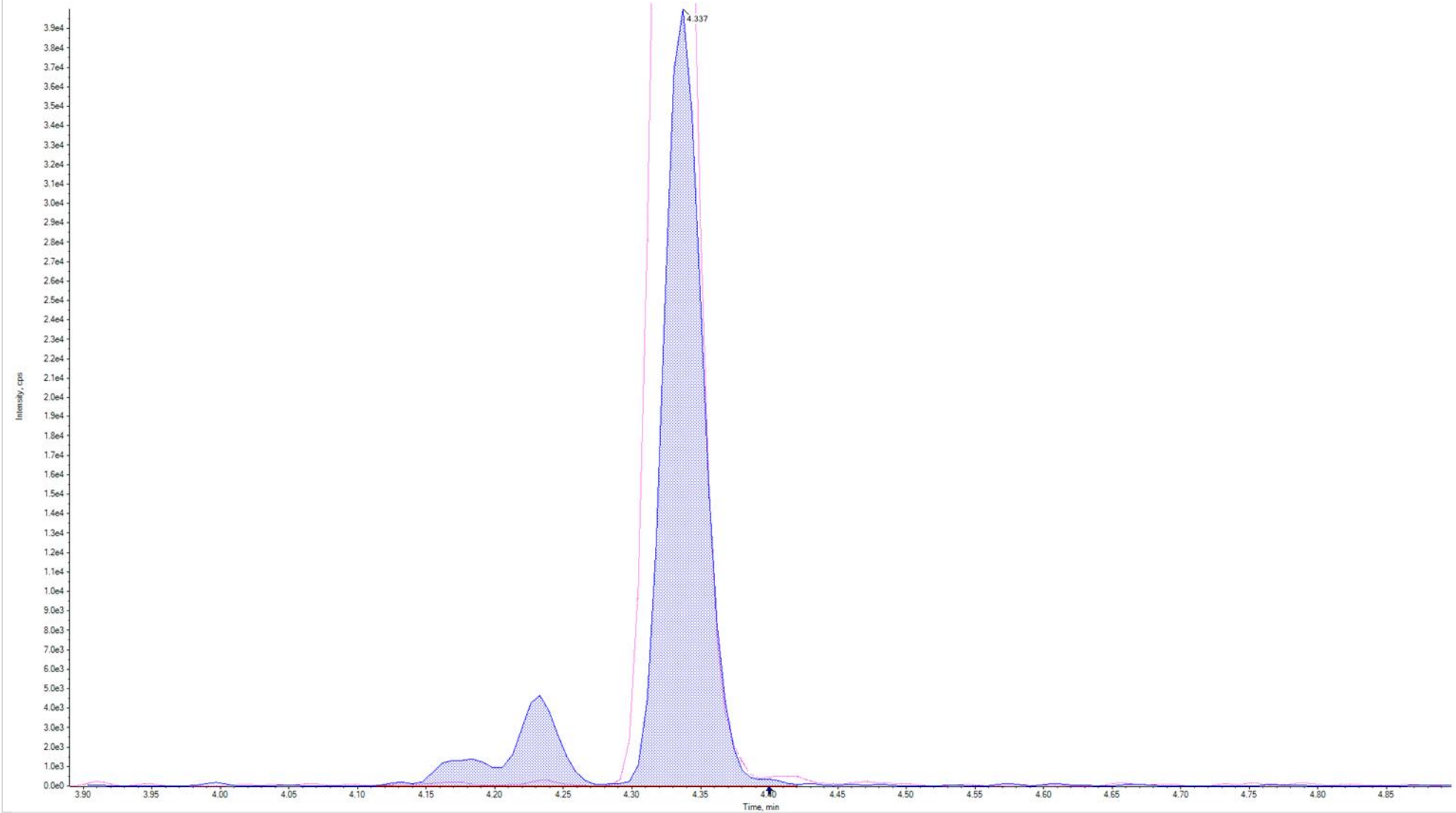
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

NMeFOSAA_2
Sample: WG2011107-5 S/N:317.5 Points Across peak:41



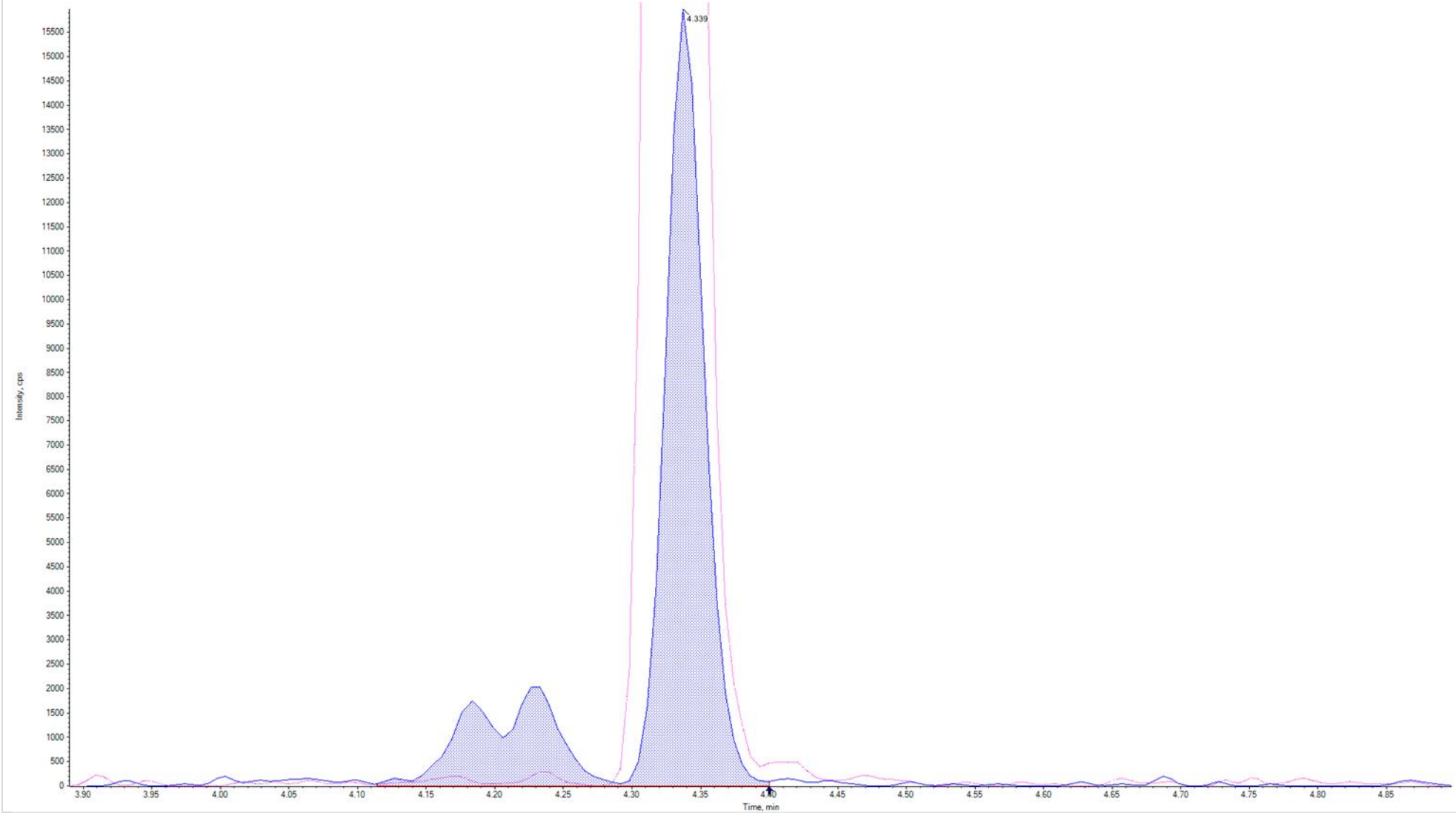
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

NEtFOSAA
Sample: WG2011107-5 S/N:533.8 Points Across peak:48



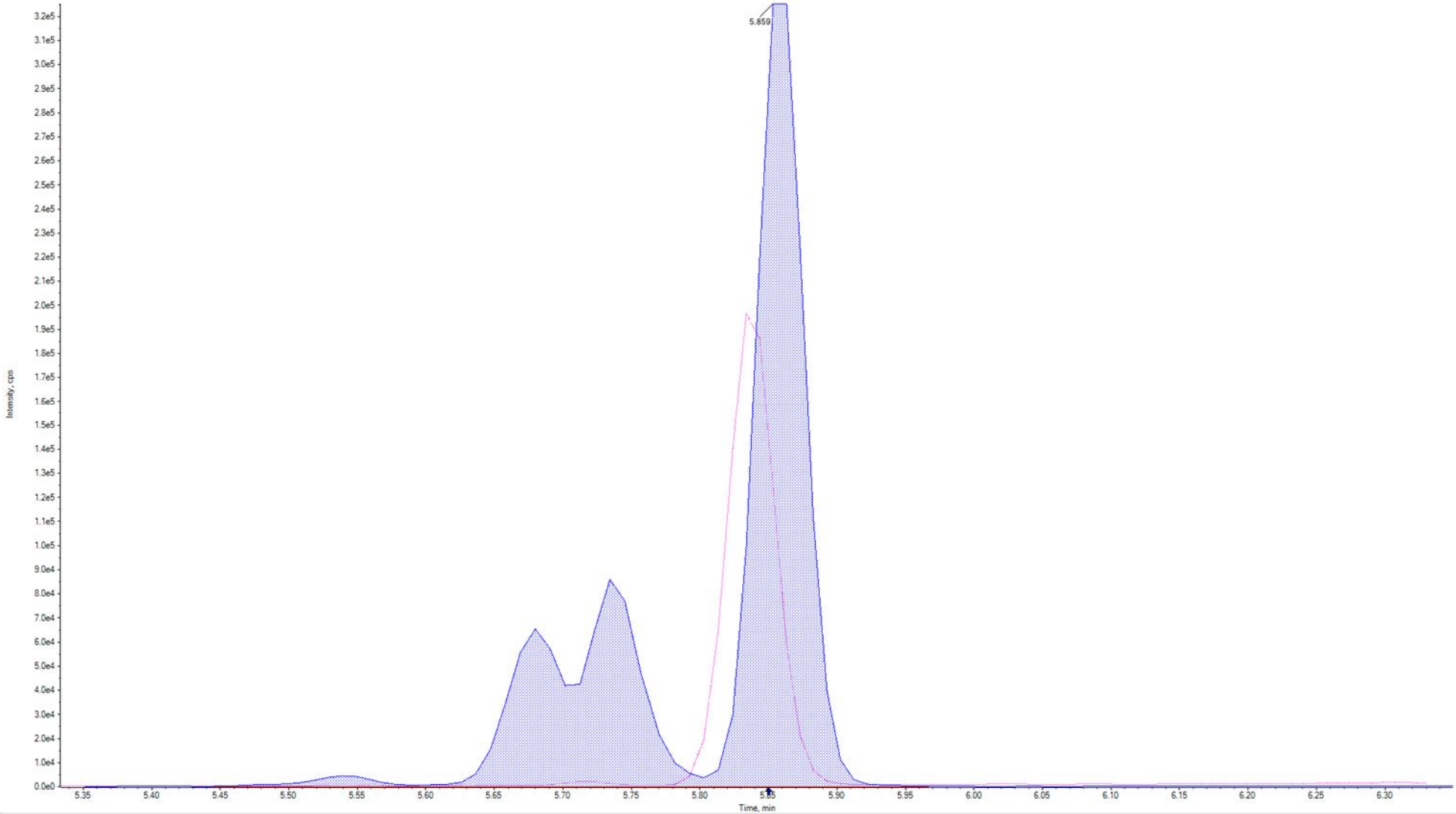
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

NEtFOSAA_2
Sample: WG2011107-5 S/N:286.6 Points Across peak:45



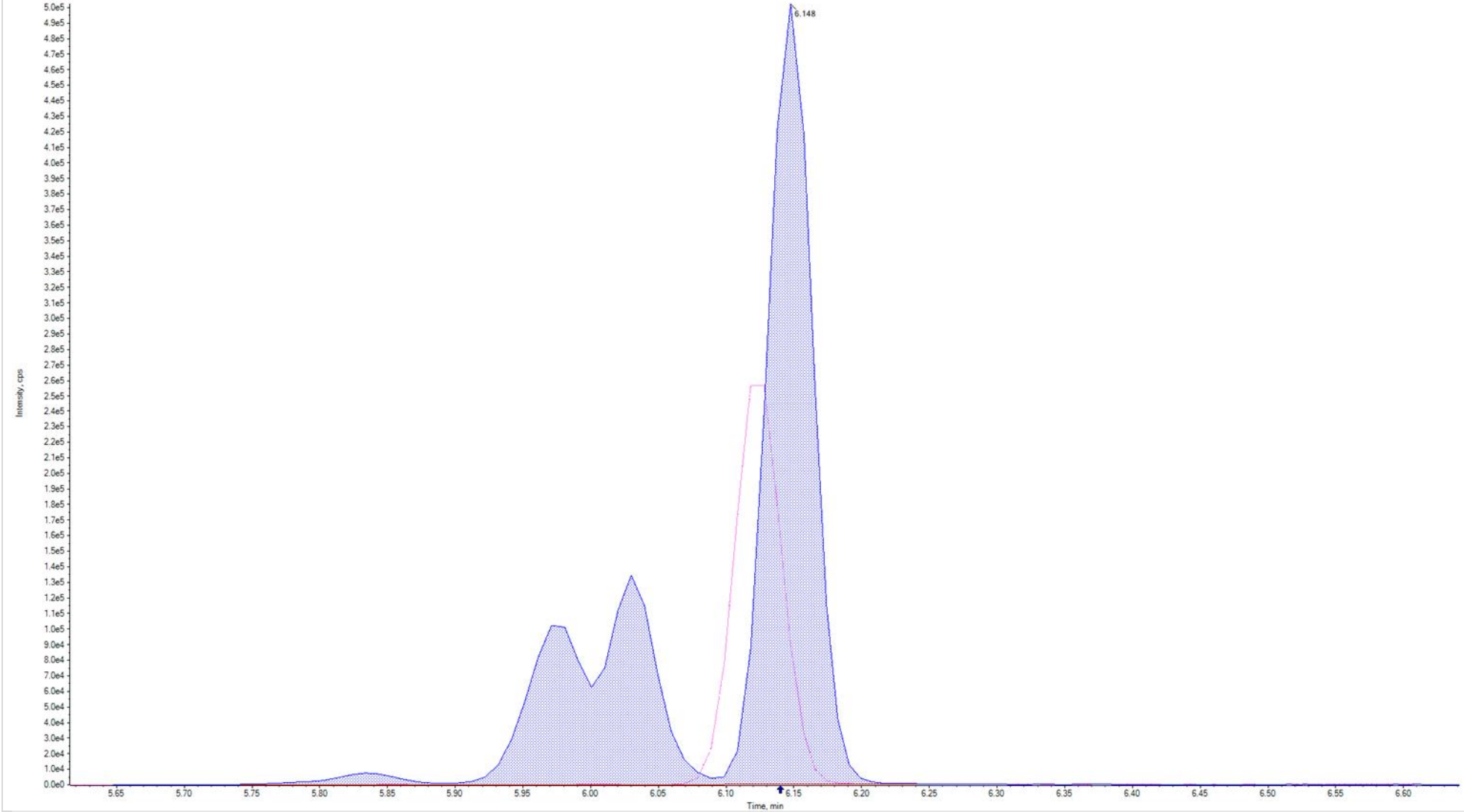
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

NMeFOSE
Sample: WG2011107-5 S/N:212.7 Points Across peak:54



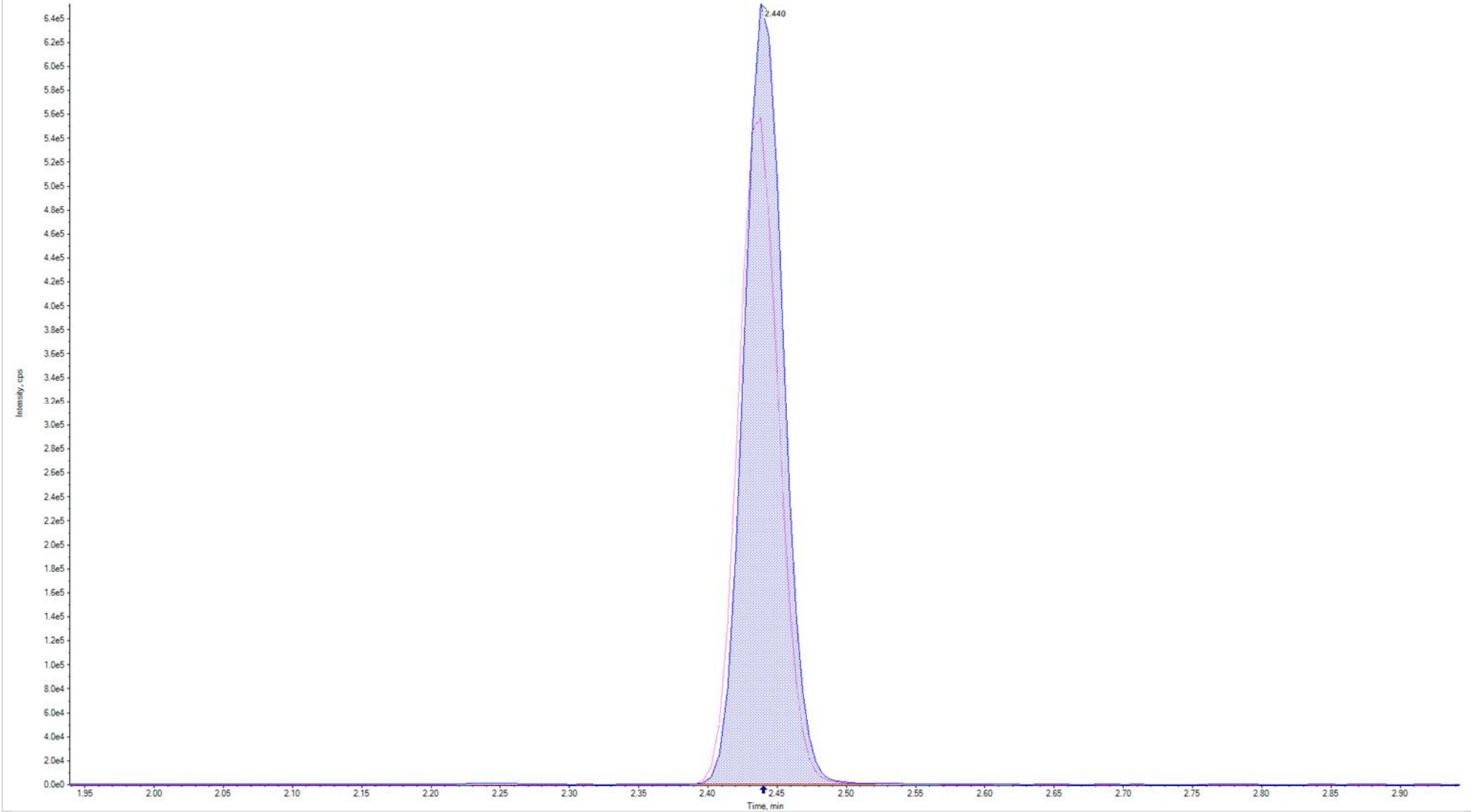
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

NEtFOSE
Sample: WG2011107-5 S/N:443.4 Points Across peak:58



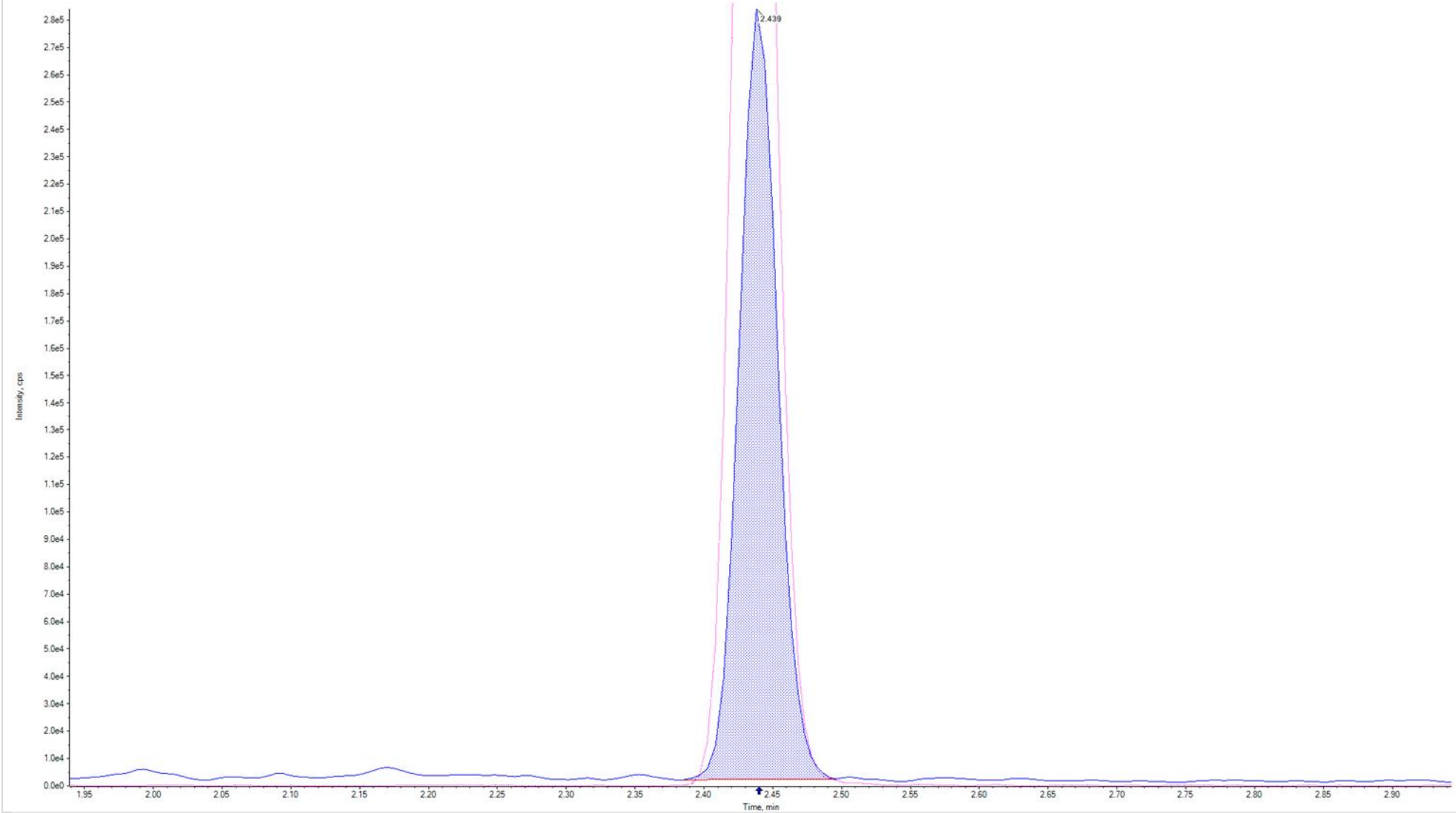
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

HFPO-DA
Sample: WG2011107-5 S/N:4032.9 Points Across peak:33



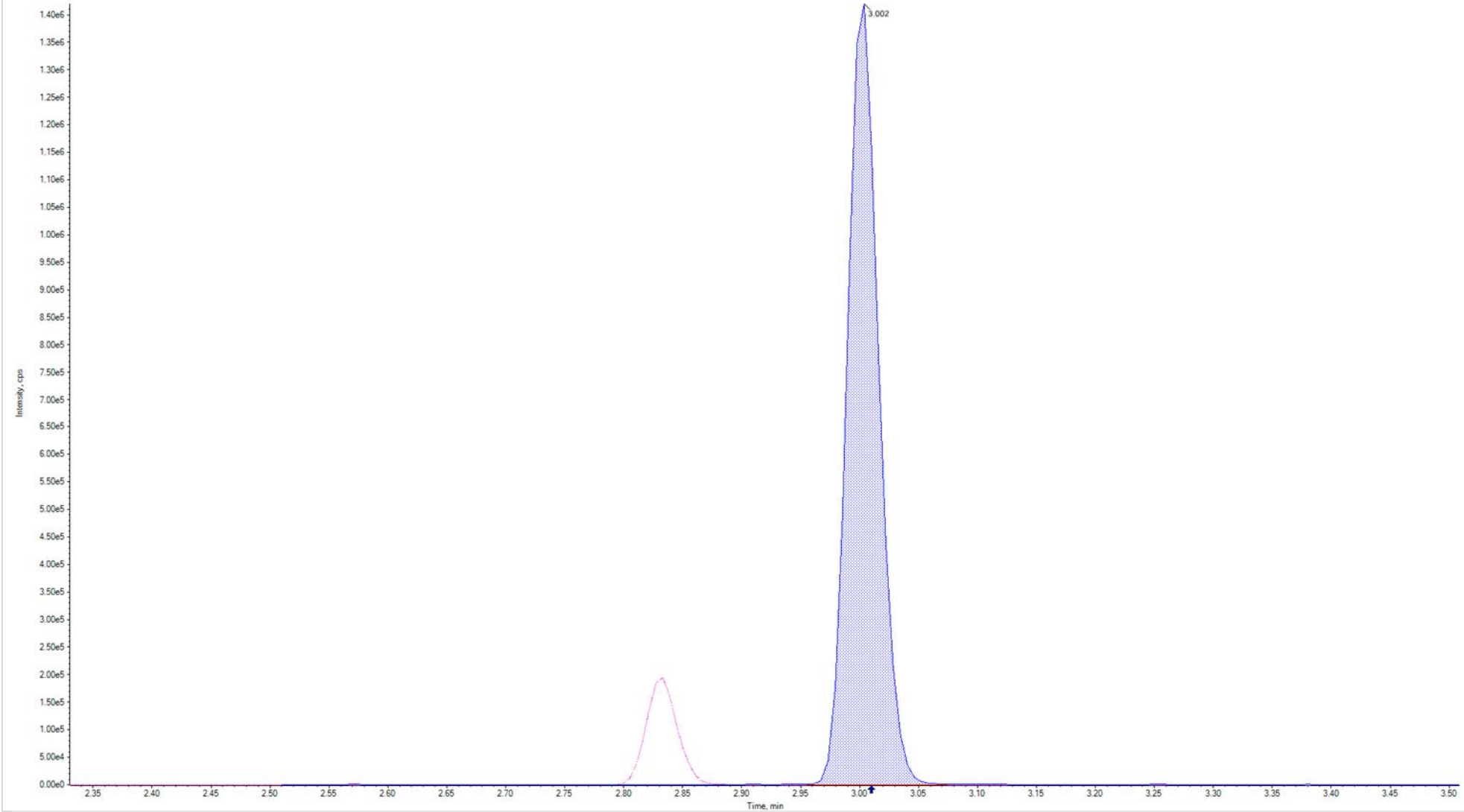
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

HFPO-DA_2
Sample: WG2011107-5 S/N:948.3 Points Across peak:23



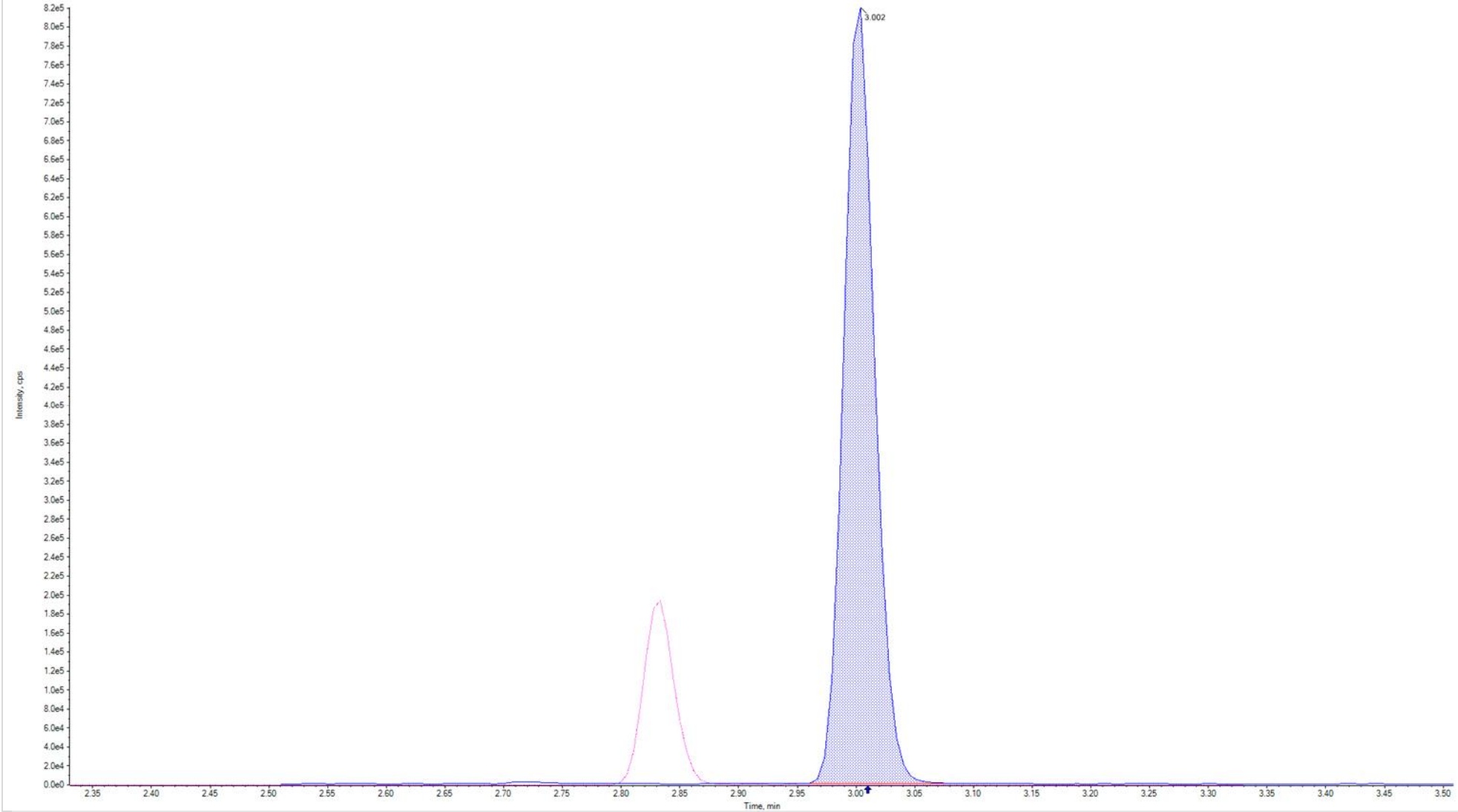
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

ADONA
Sample: WG2011107-5 S/N:8475.1 Points Across peak:21



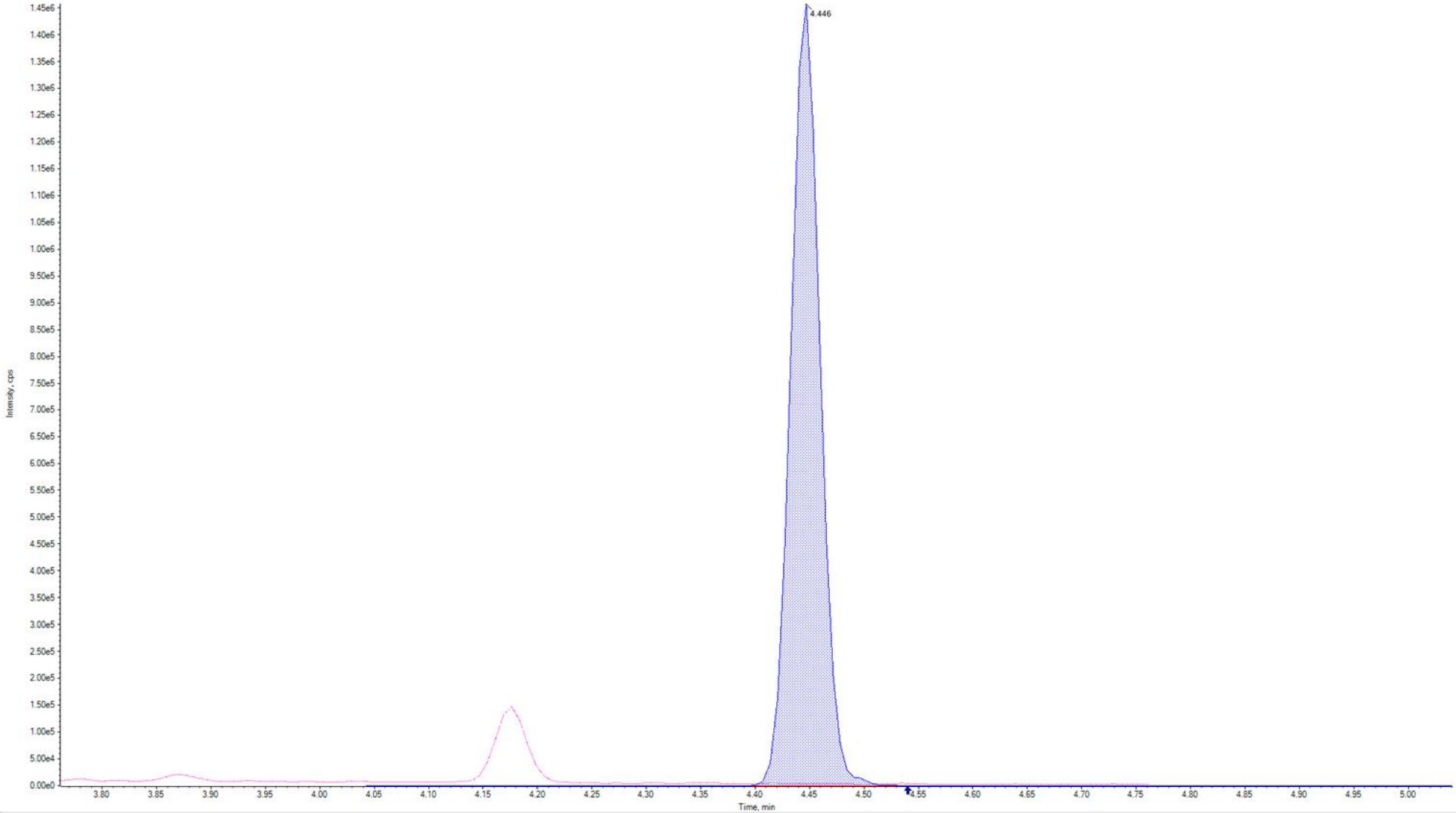
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

ADONA_2
Sample: WG2011107-5 S/N:1877.5 Points Across peak:26



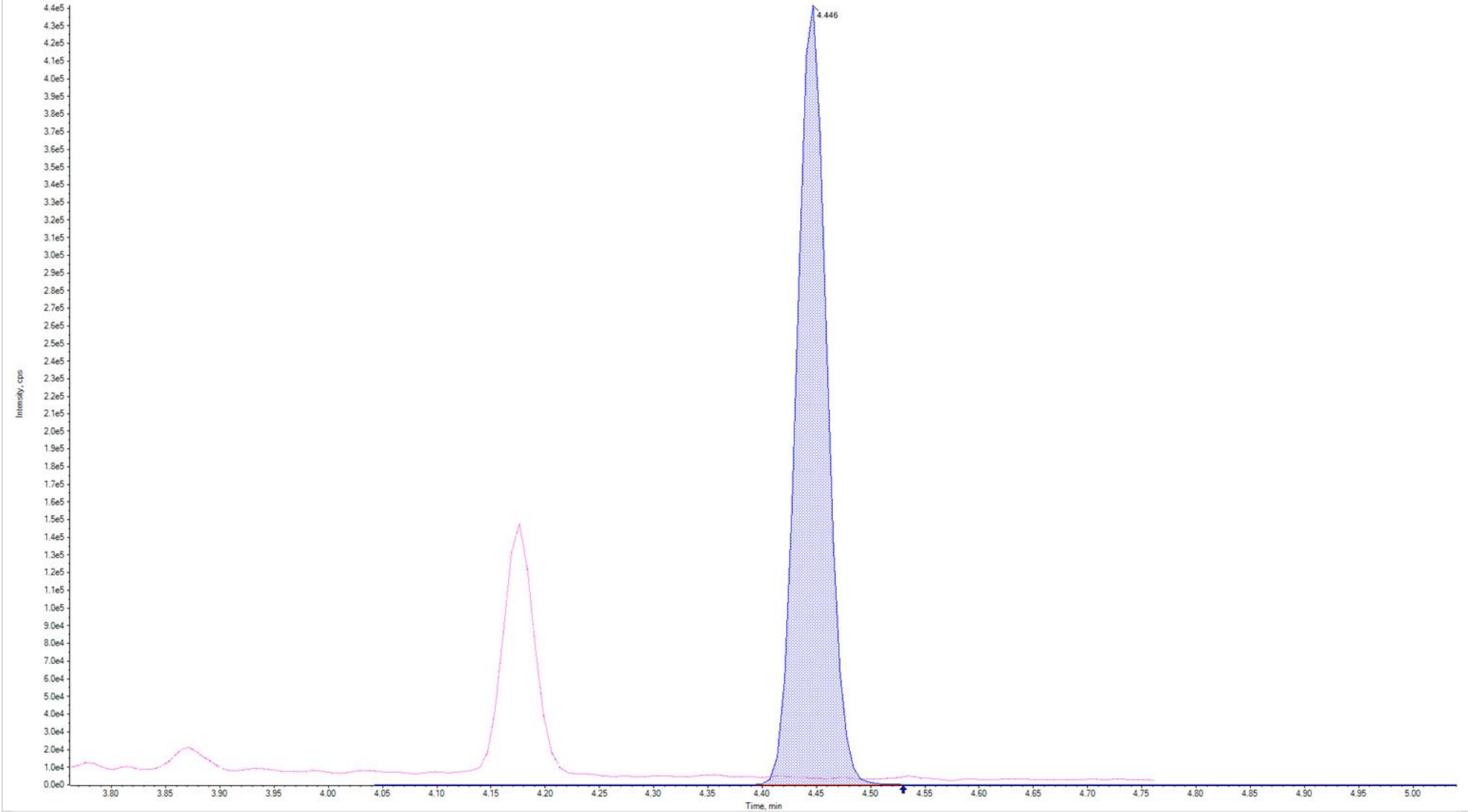
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

9Cl-PF3ONS
Sample: WG2011107-5 S/N:32877.1 Points Across peak:35



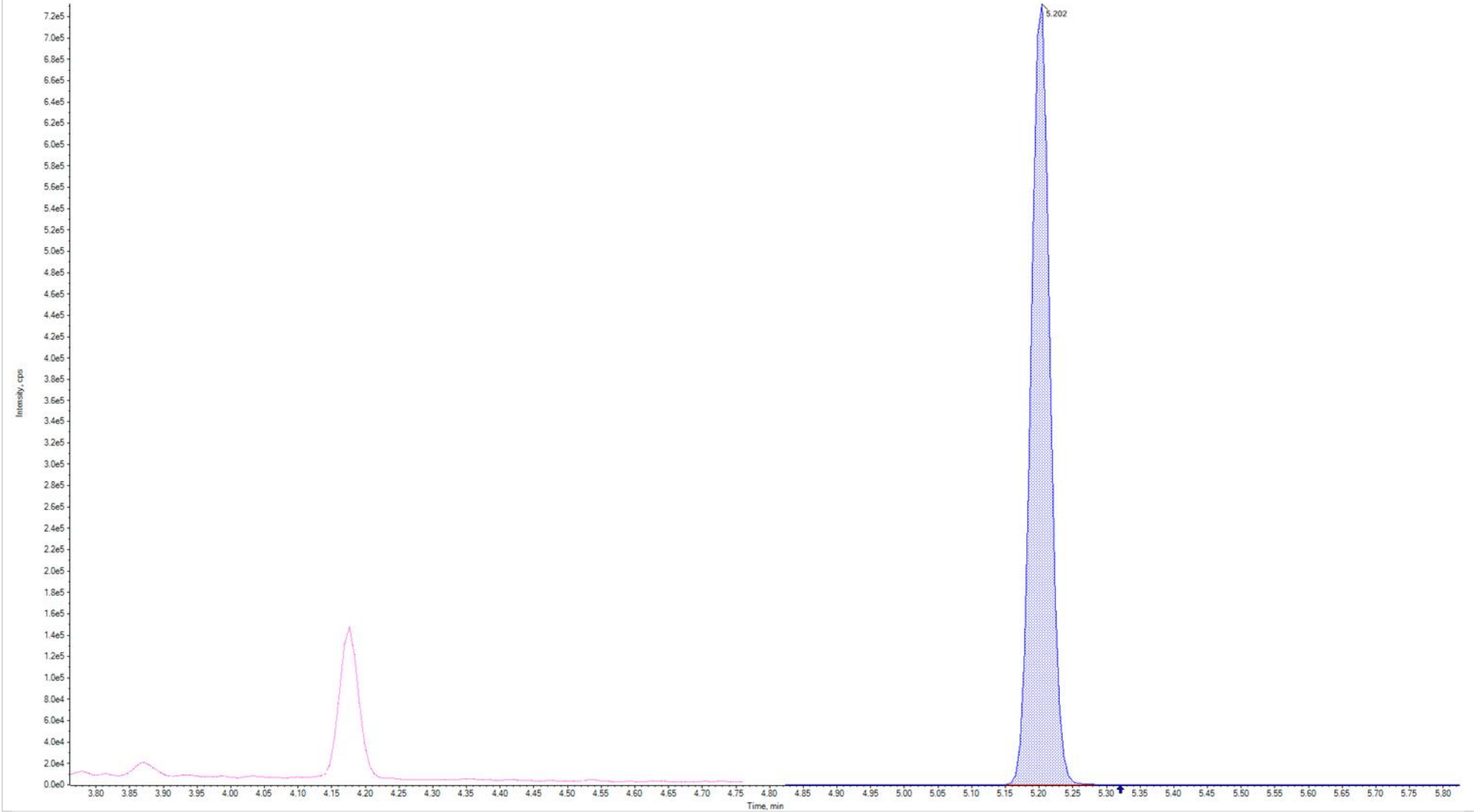
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

9Cl-PF3ONS_2
Sample: WG2011107-5 S/N:9959.8 Points Across peak:28



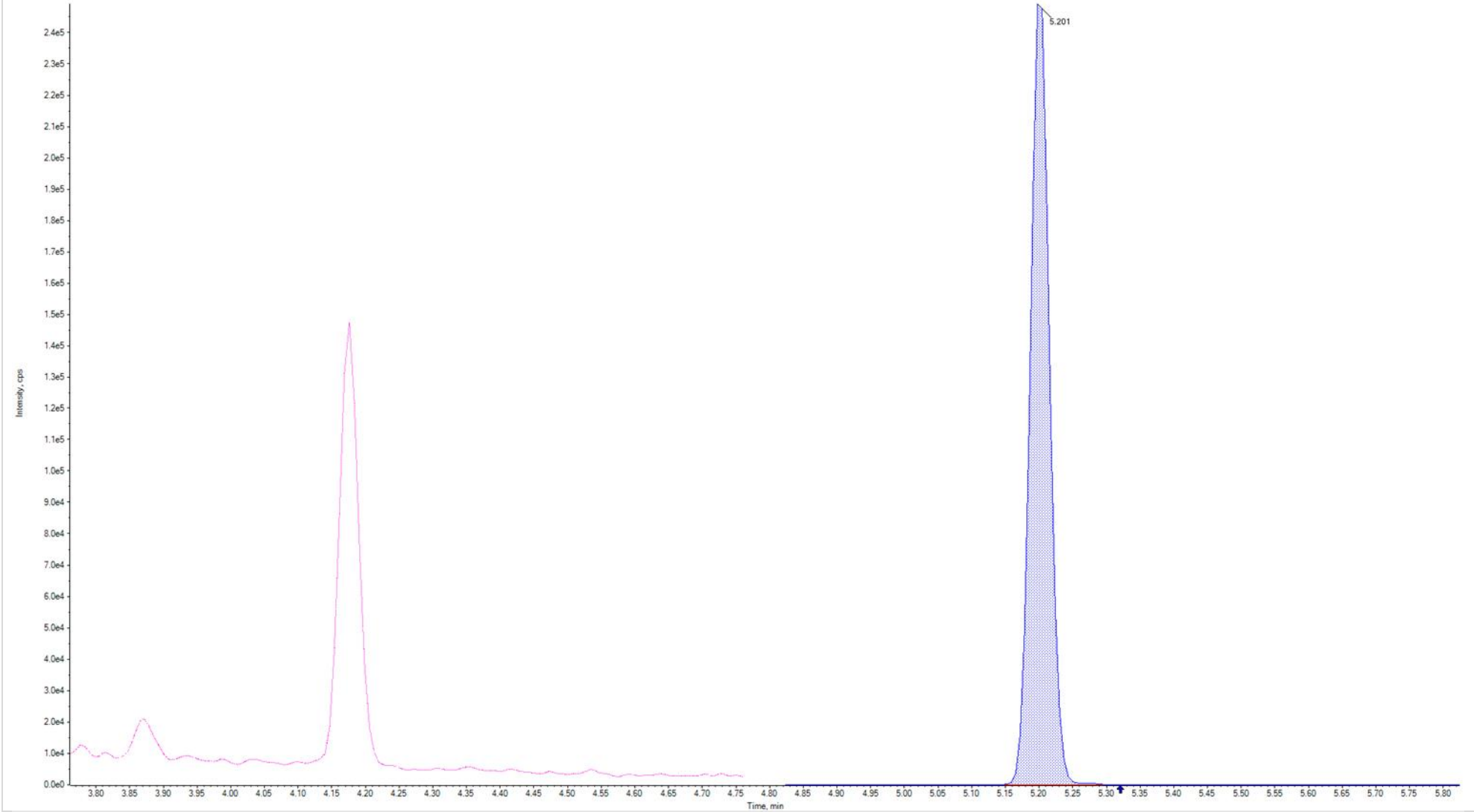
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

11Cl-PF3OUdS
Sample: WG2011107-5 S/N:7139.7 Points Across peak:31



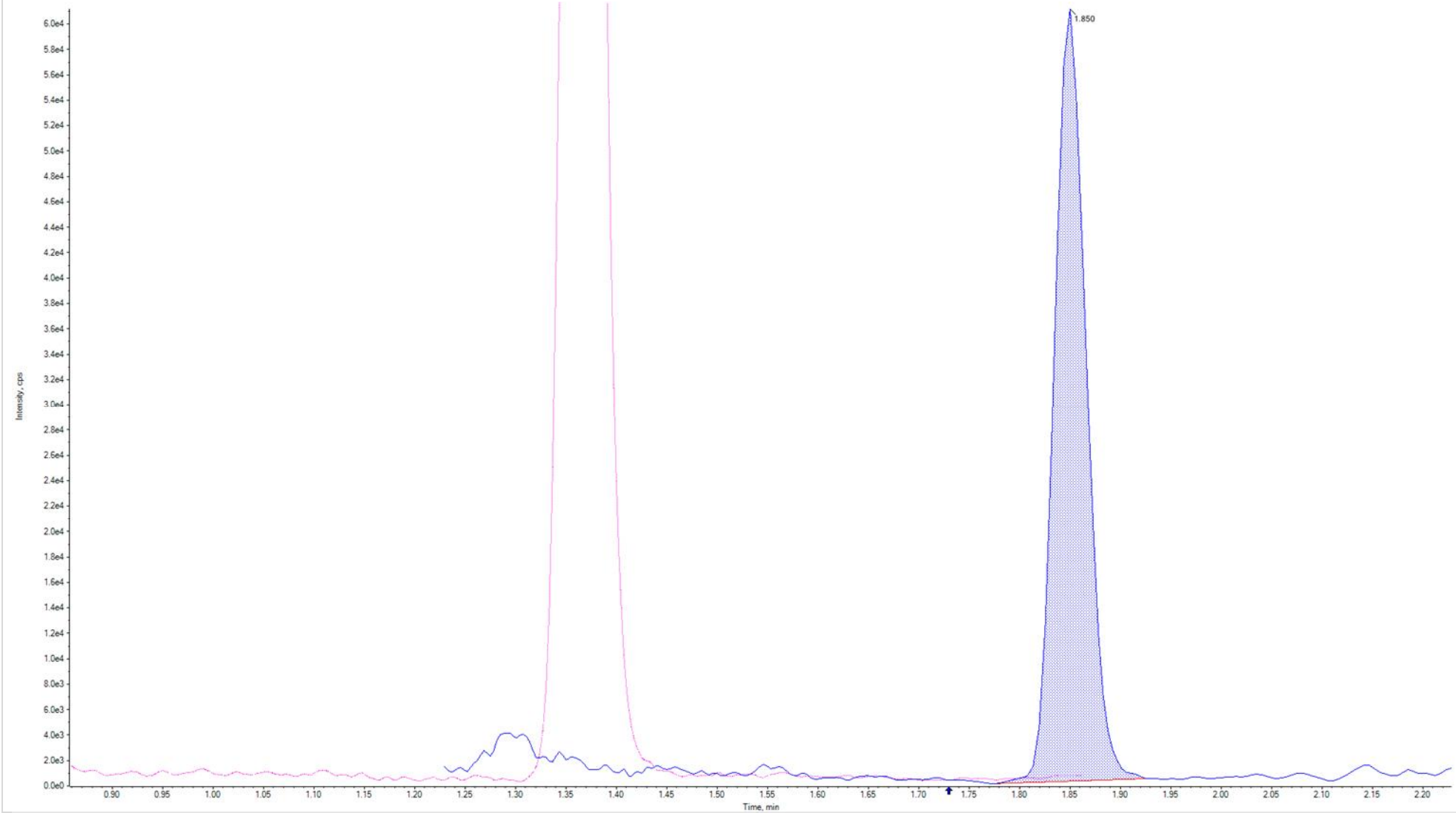
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

11Cl-PF3OUdS_2
Sample: WG2011107-5 S/N:11865.2 Points Across peak:32



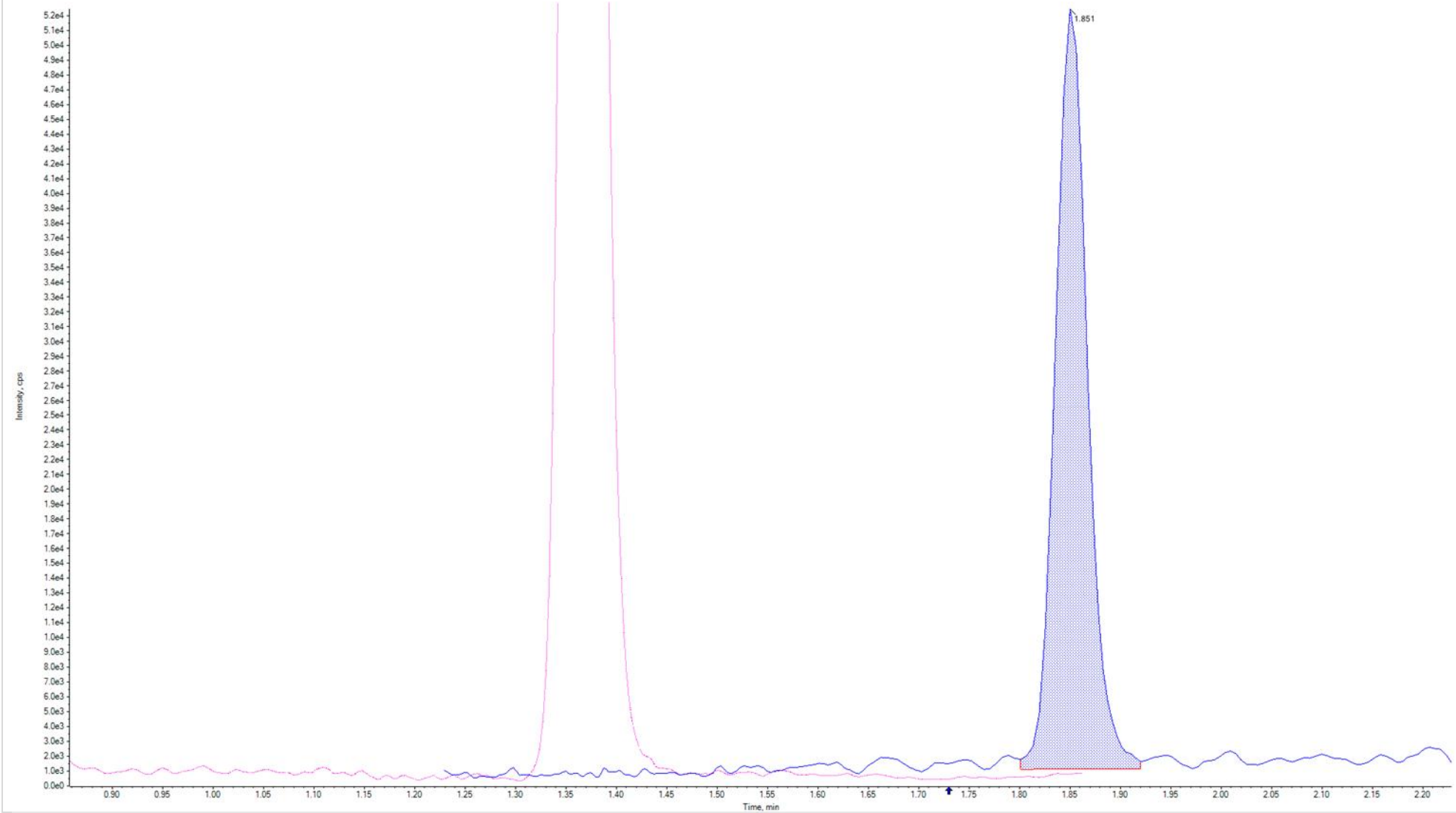
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

3:3FTCA
Sample: WG2011107-5 S/N:725.5 Points Across peak:29



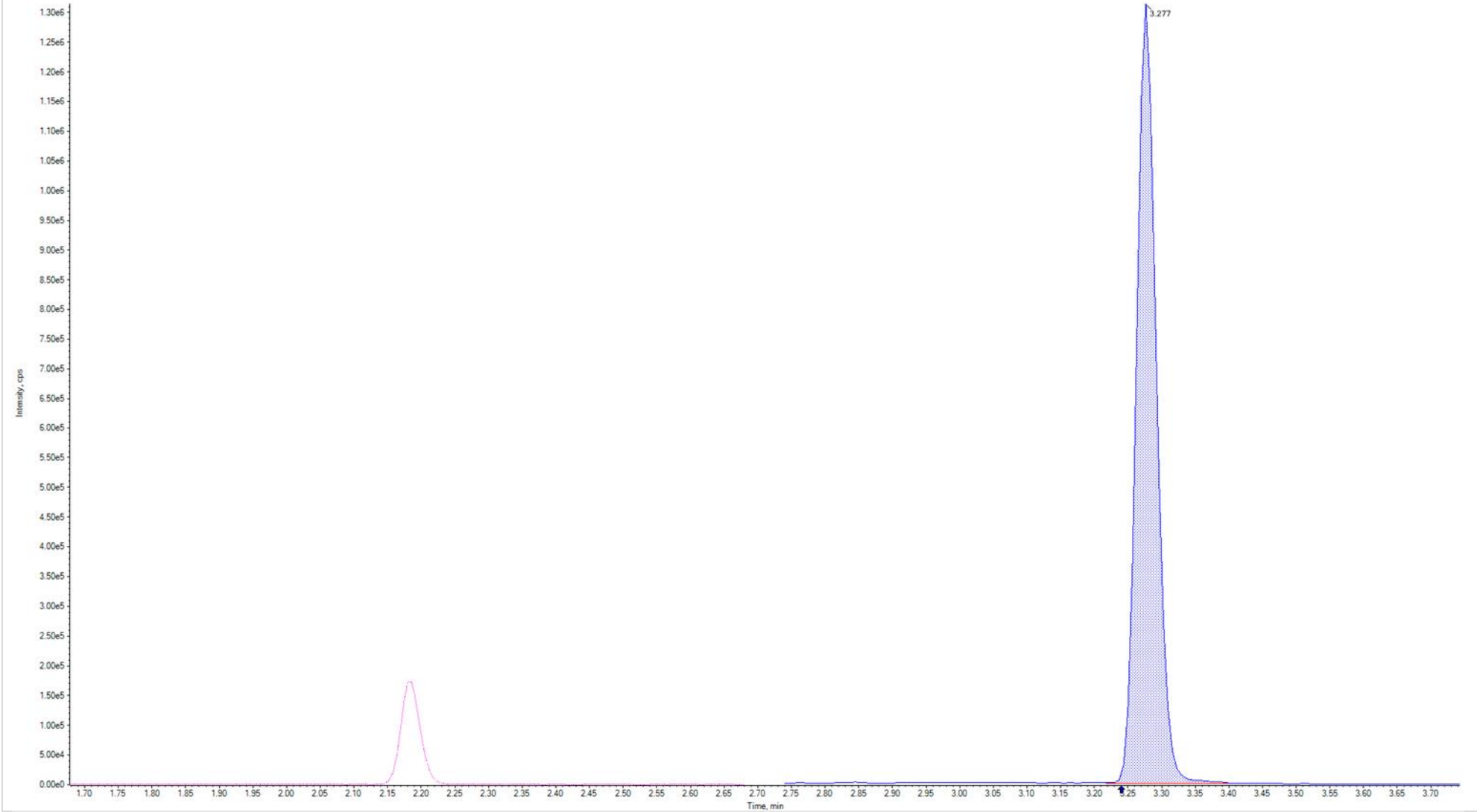
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

3:3FTCA_2
Sample: WG2011107-5 S/N:433.4 Points Across peak:23



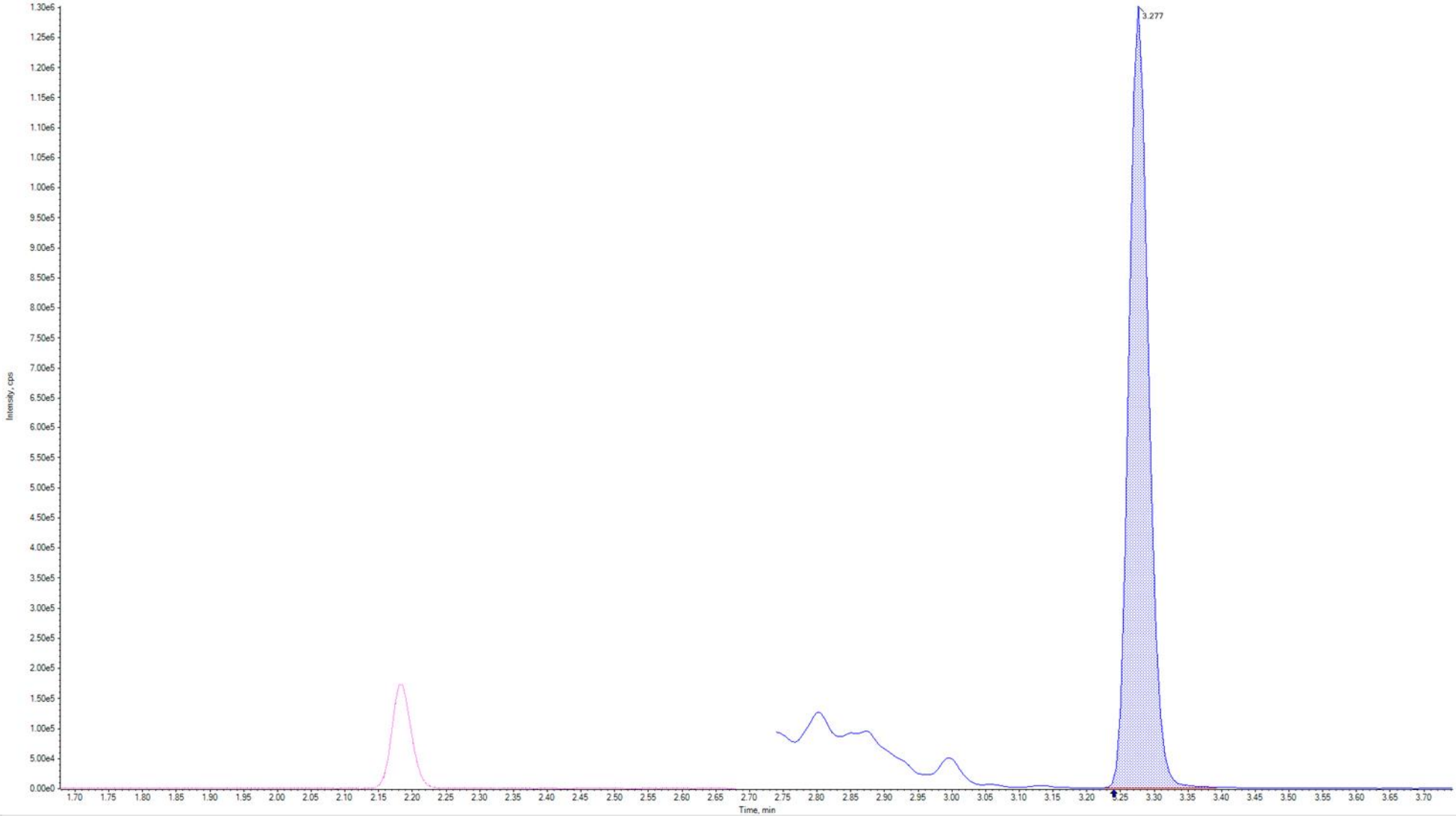
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

5:3FTCA
Sample: WG2011107-5 S/N:2363.4 Points Across peak:30



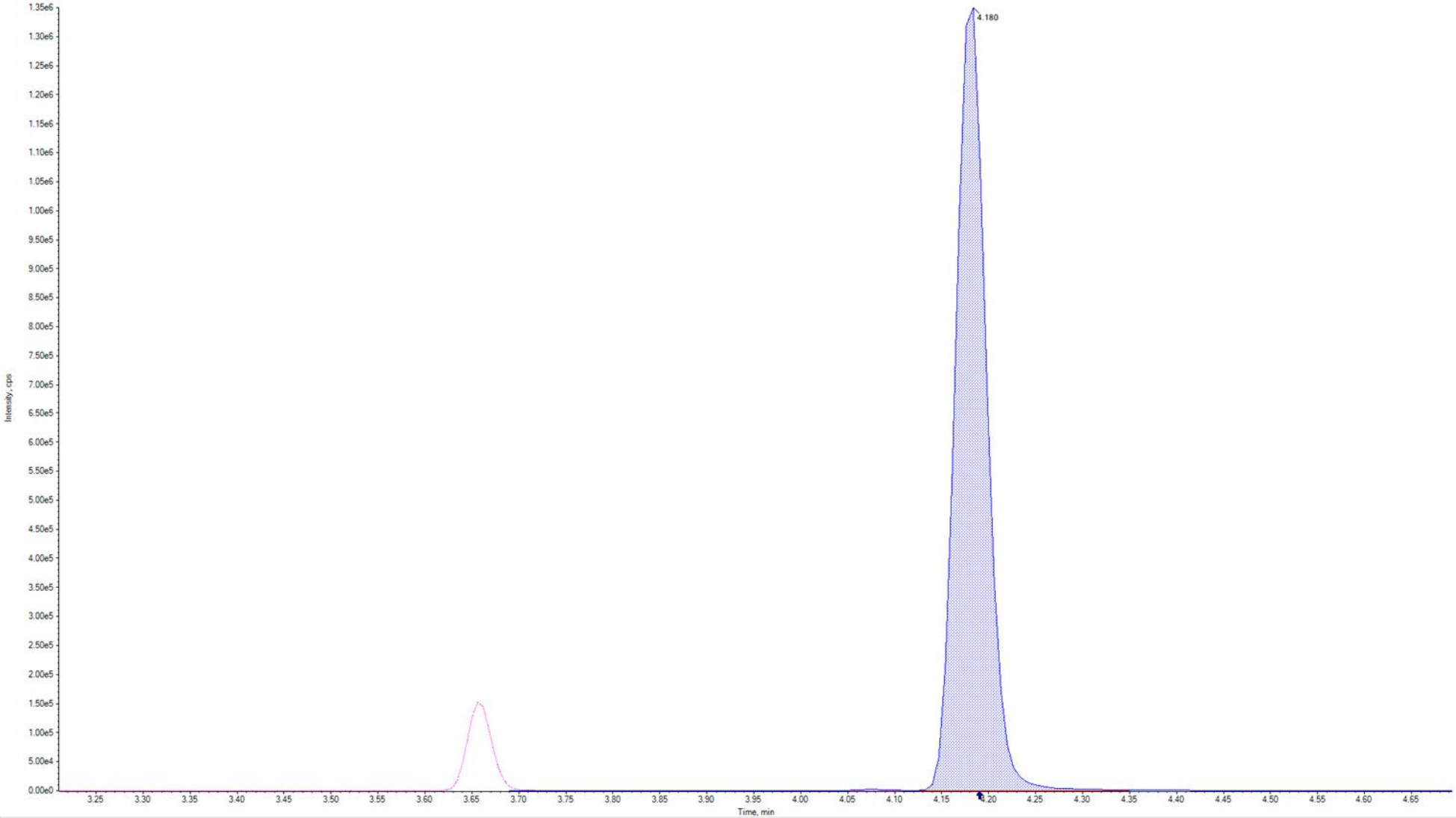
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

5:3FTCA_2
Sample: WG2011107-5 S/N:2248.9 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

7:3FTCA
Sample: WG2011107-5 S/N:7688.3 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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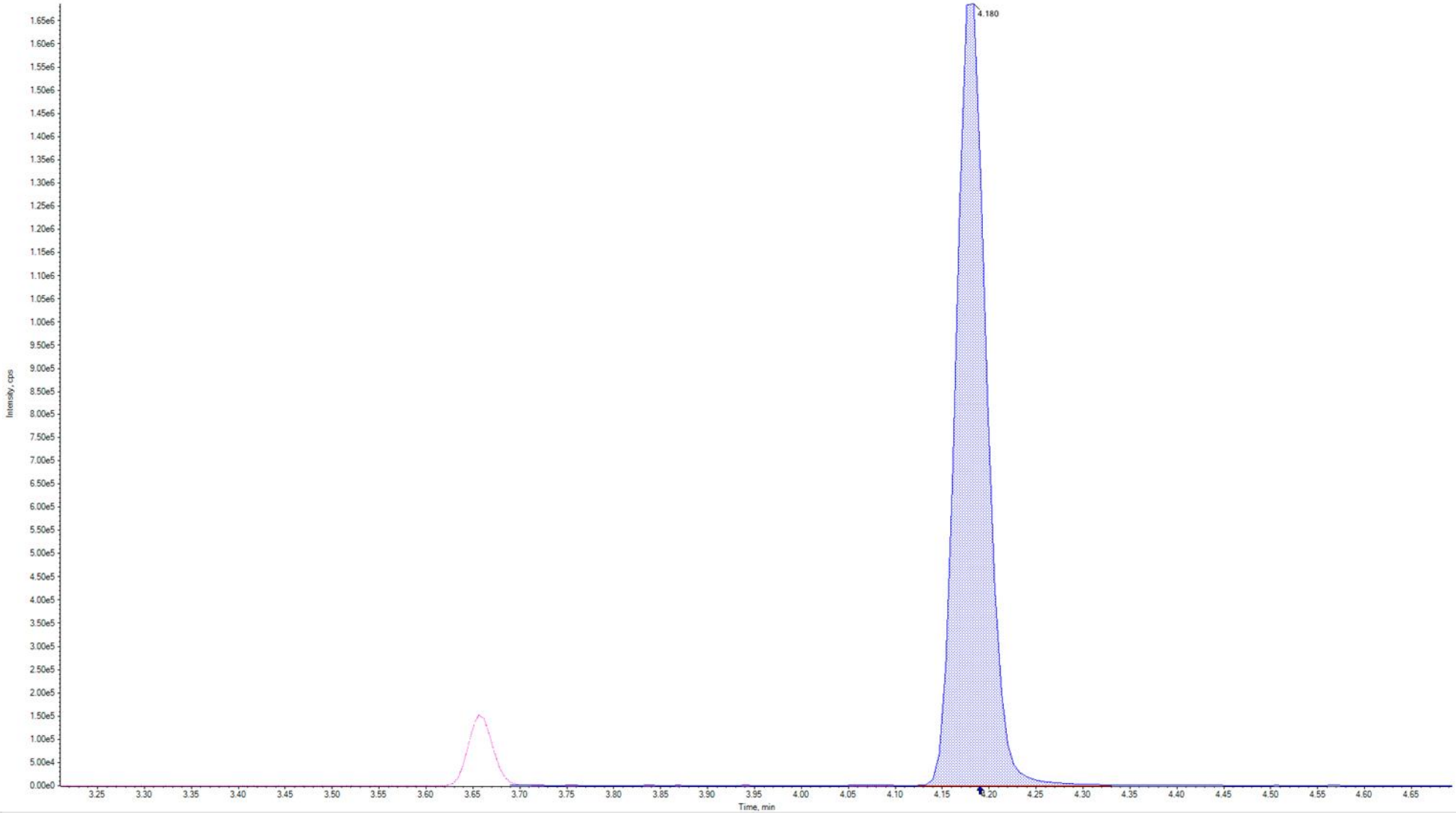
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

7:3FTCA_2
Sample: WG2011107-5 S/N:3953.0 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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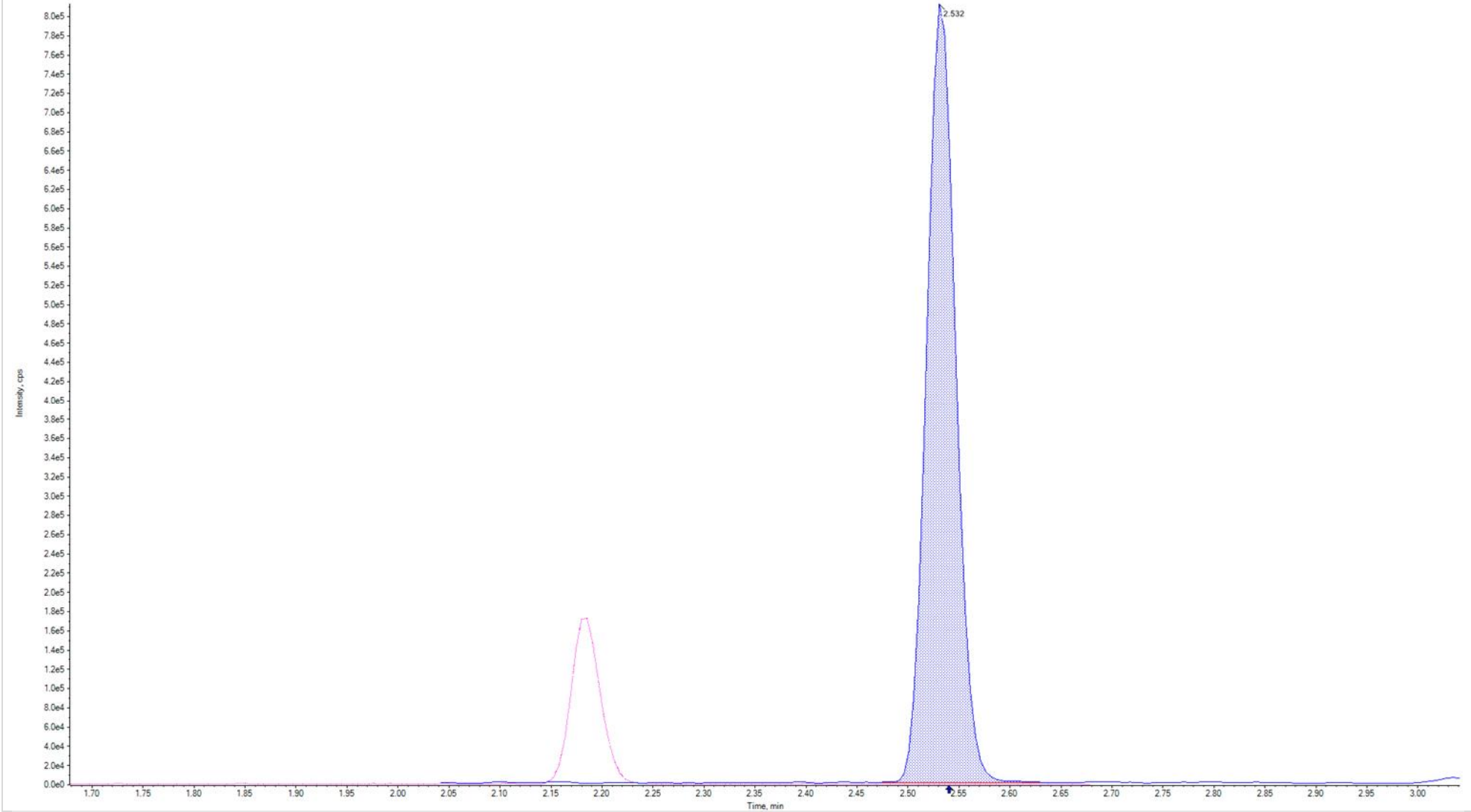
PFEESA
Sample: WG2011107-5 S/N:1600.0 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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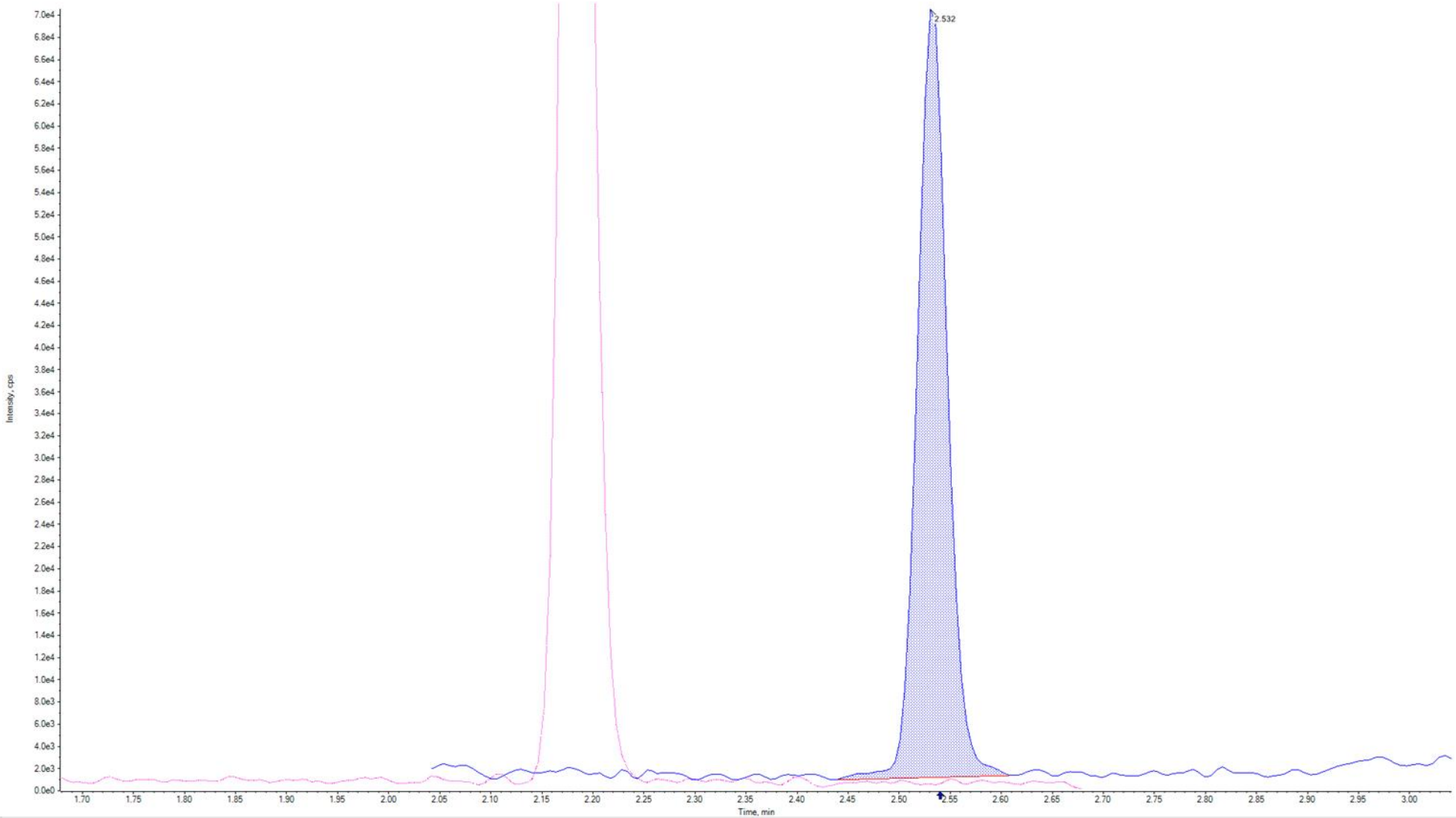
PFEESA_2
Sample: WG2011107-5 S/N:439.1 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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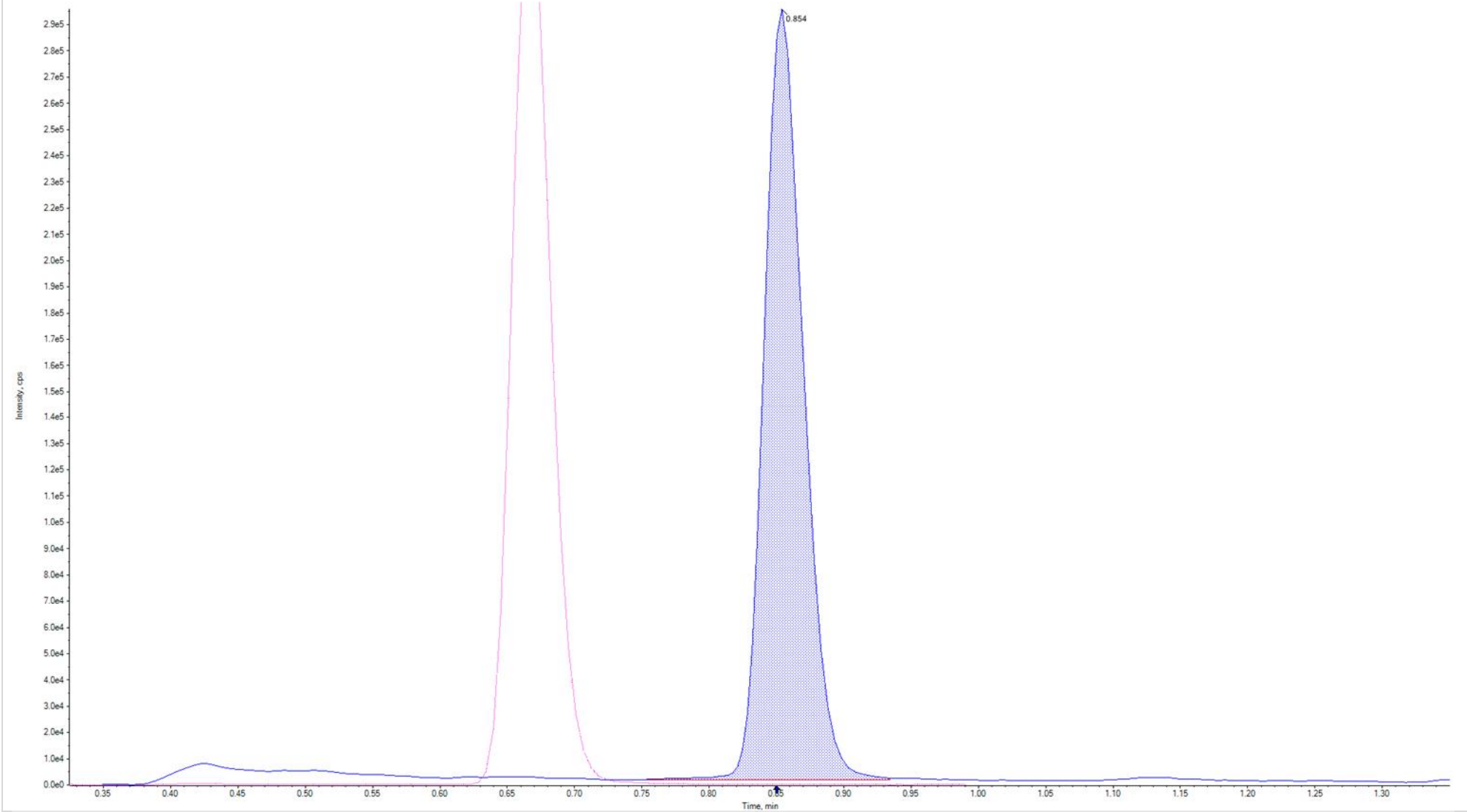
PFMPA
Sample: WG2011107-5 S/N:4046.7 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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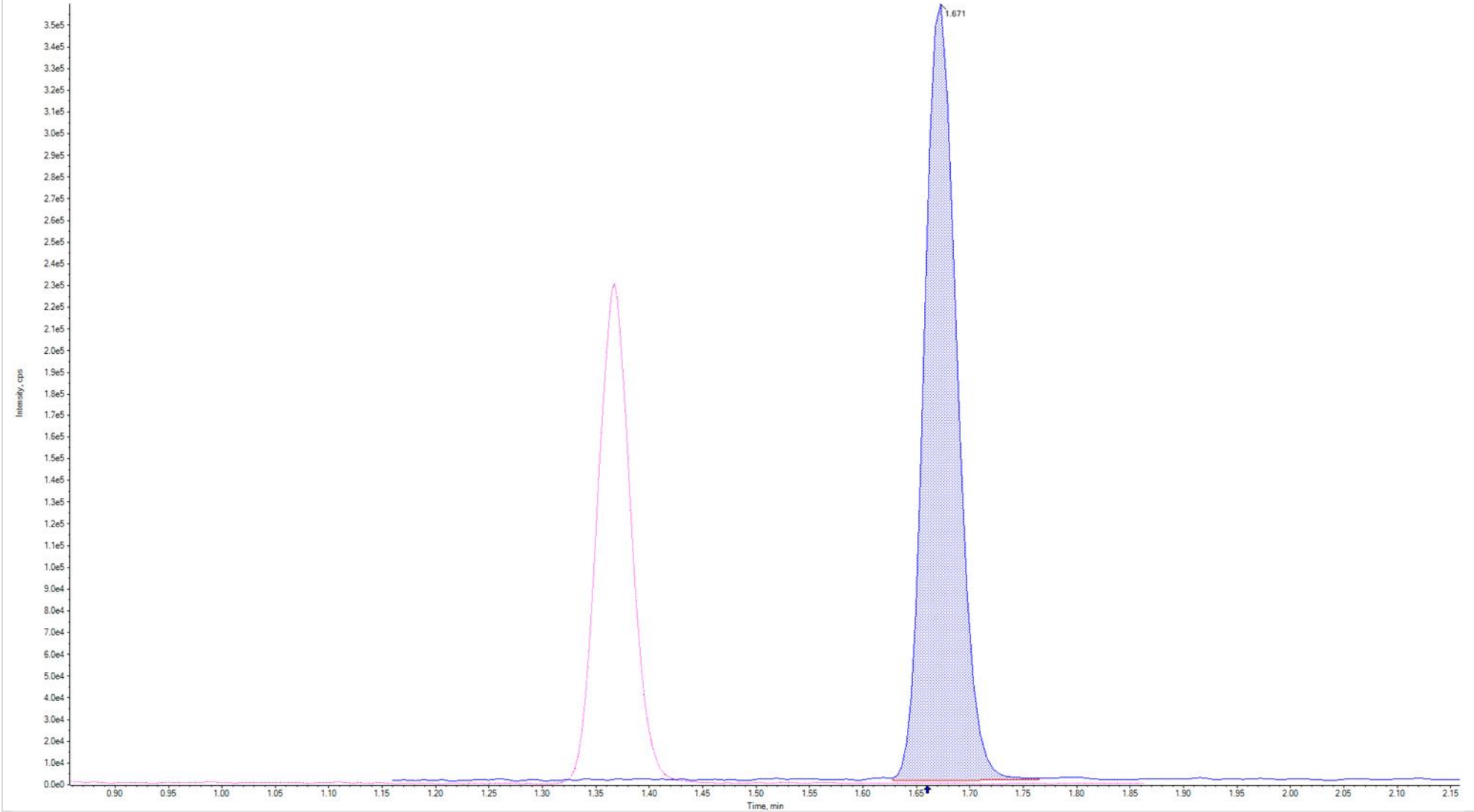
PFMBA
Sample: WG2011107-5 S/N:1103.8 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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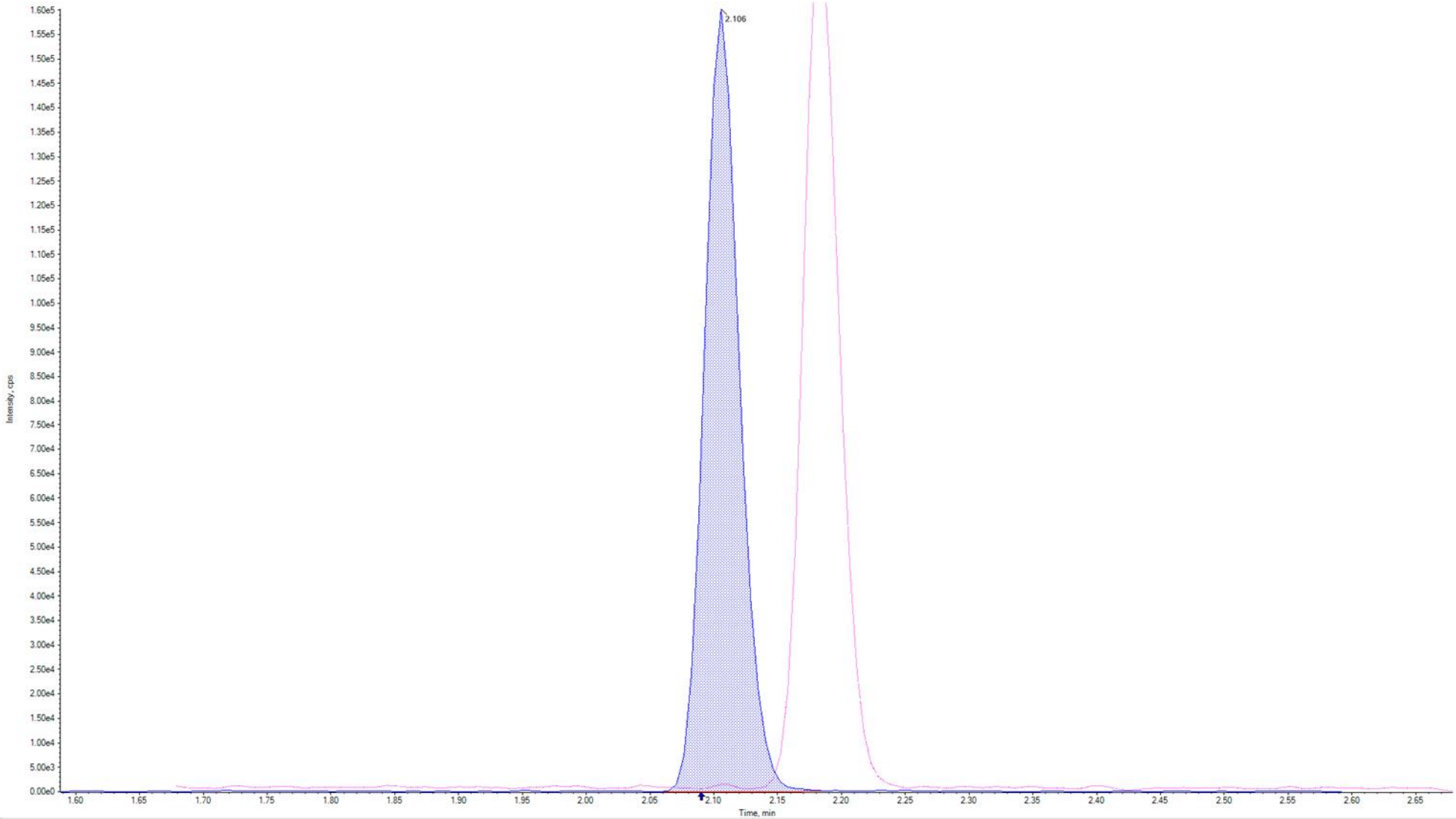
NFDHA
Sample: WG2011107-5 S/N:4416.1 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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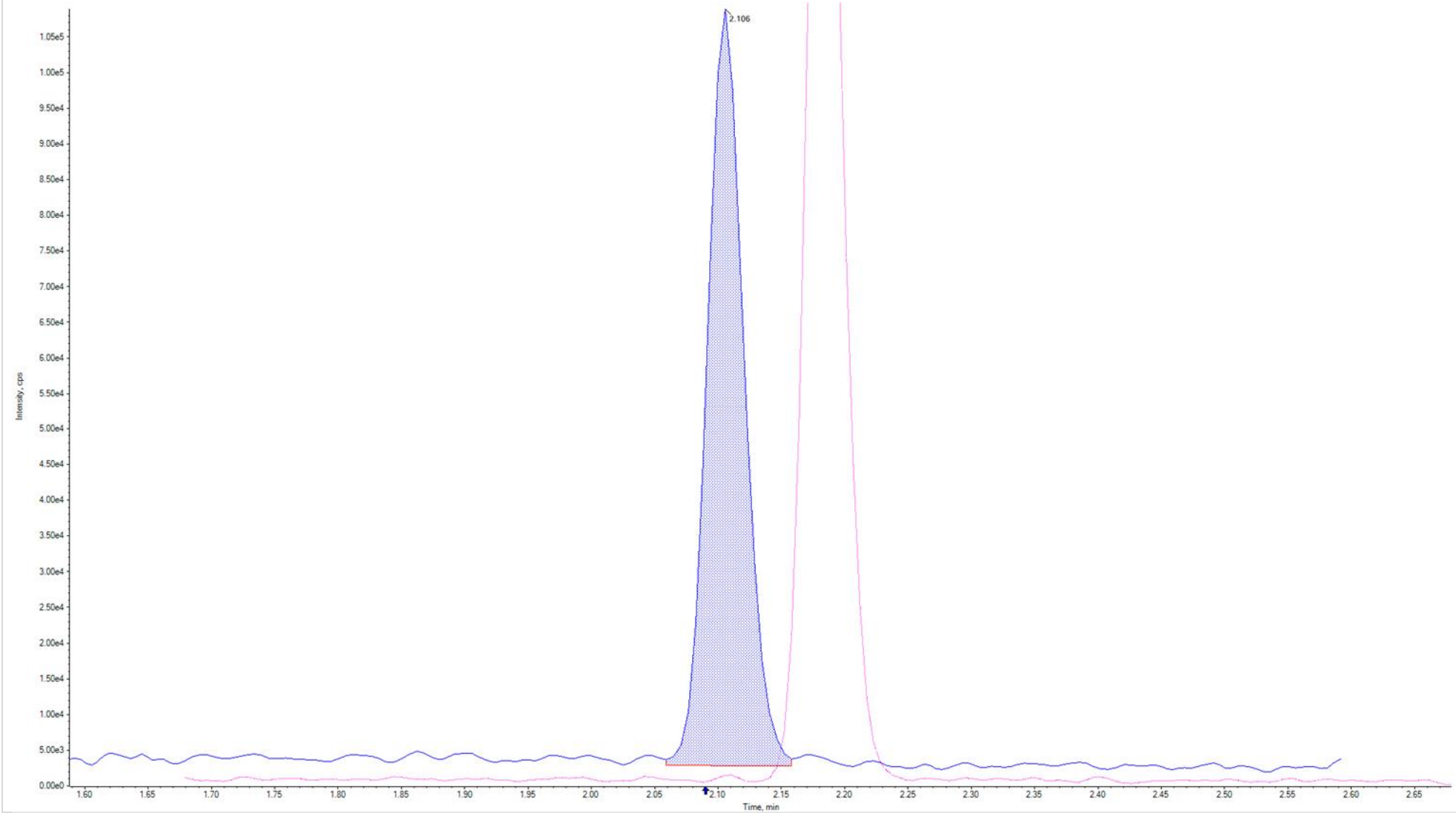
NFDHA_2
Sample: WG2011107-5 S/N:393.2 Points Across peak:18



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Alpha Analytical LLC
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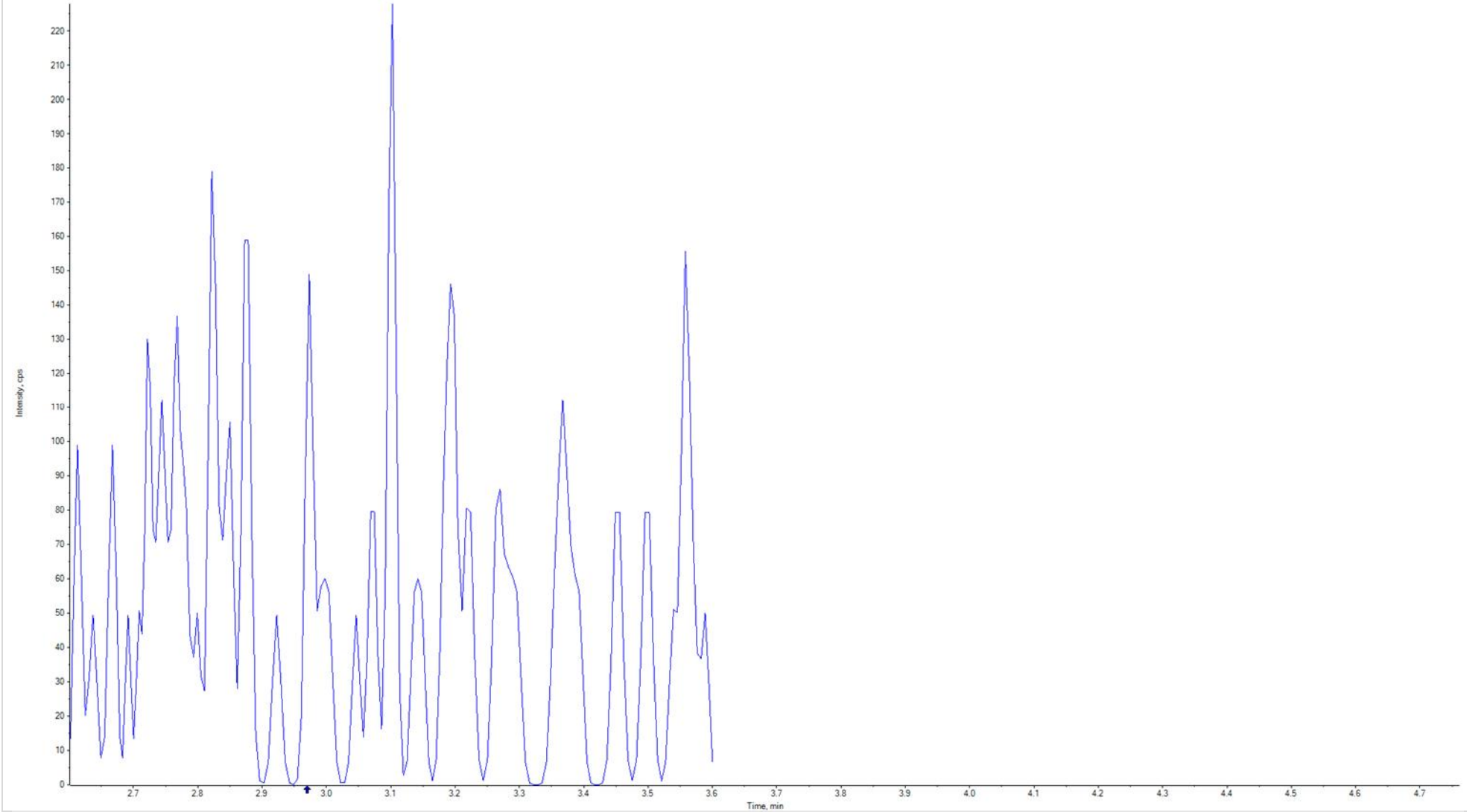
TDCA
Sample: WG2011107-5 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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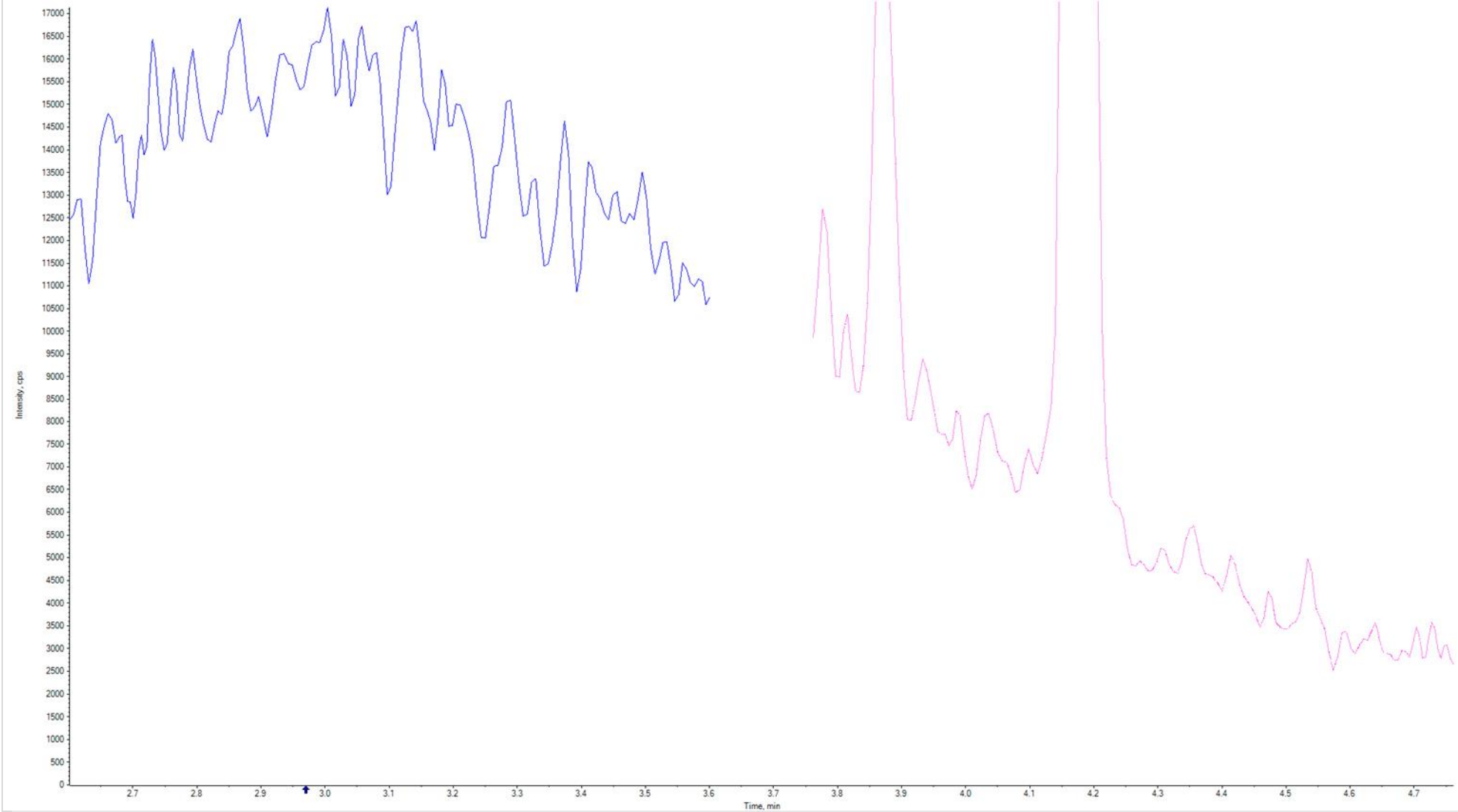
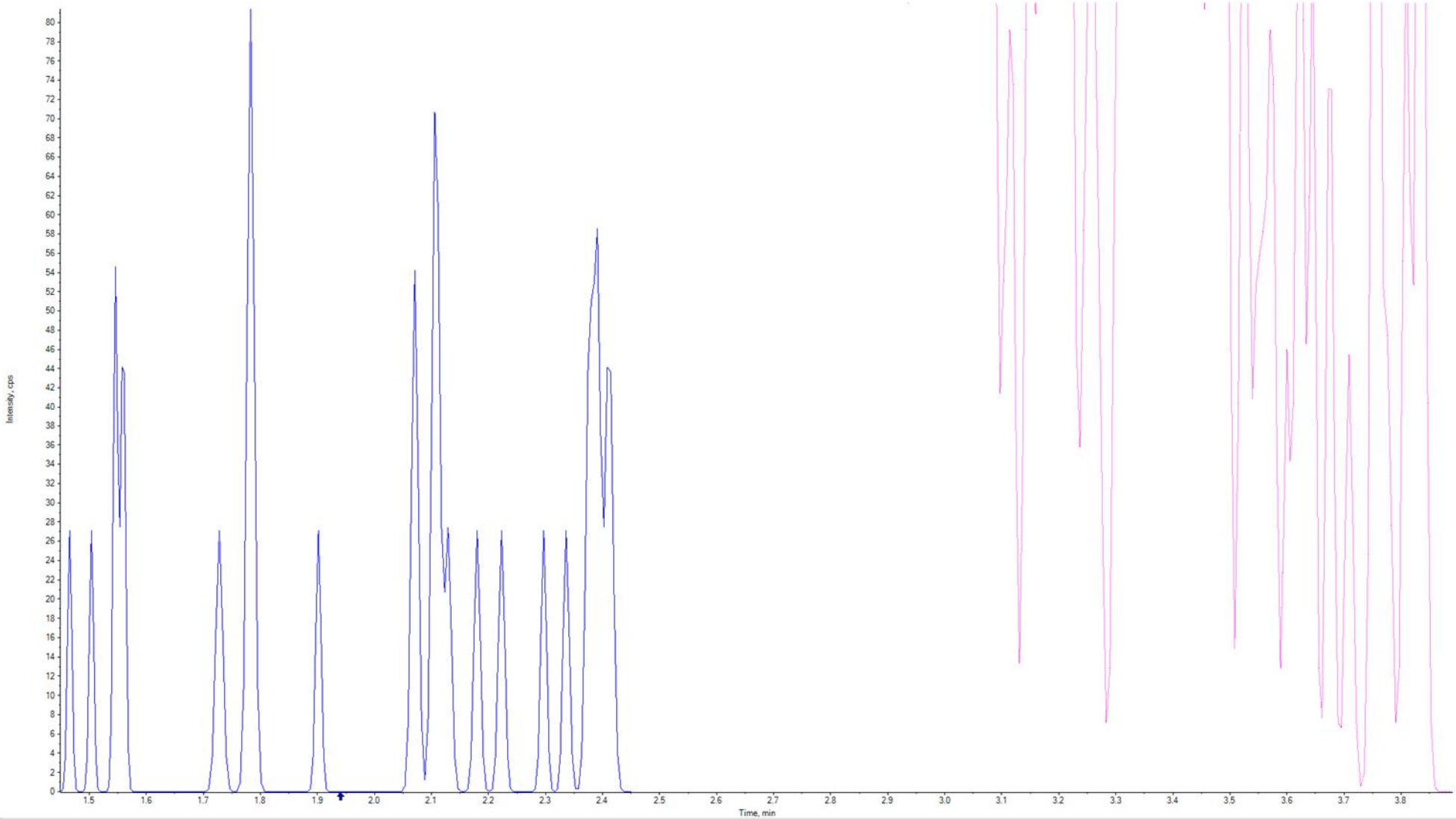
Last Altered: 12/20/2024 7:33:21 AM
Generated: 12/19/2024 2:27:31 PM

TDCA_2
Sample: WG2011107-5 S/N:N/A Points Across peak:N/A



13C2D4-4:2FTS
Sample: WG2011107-5 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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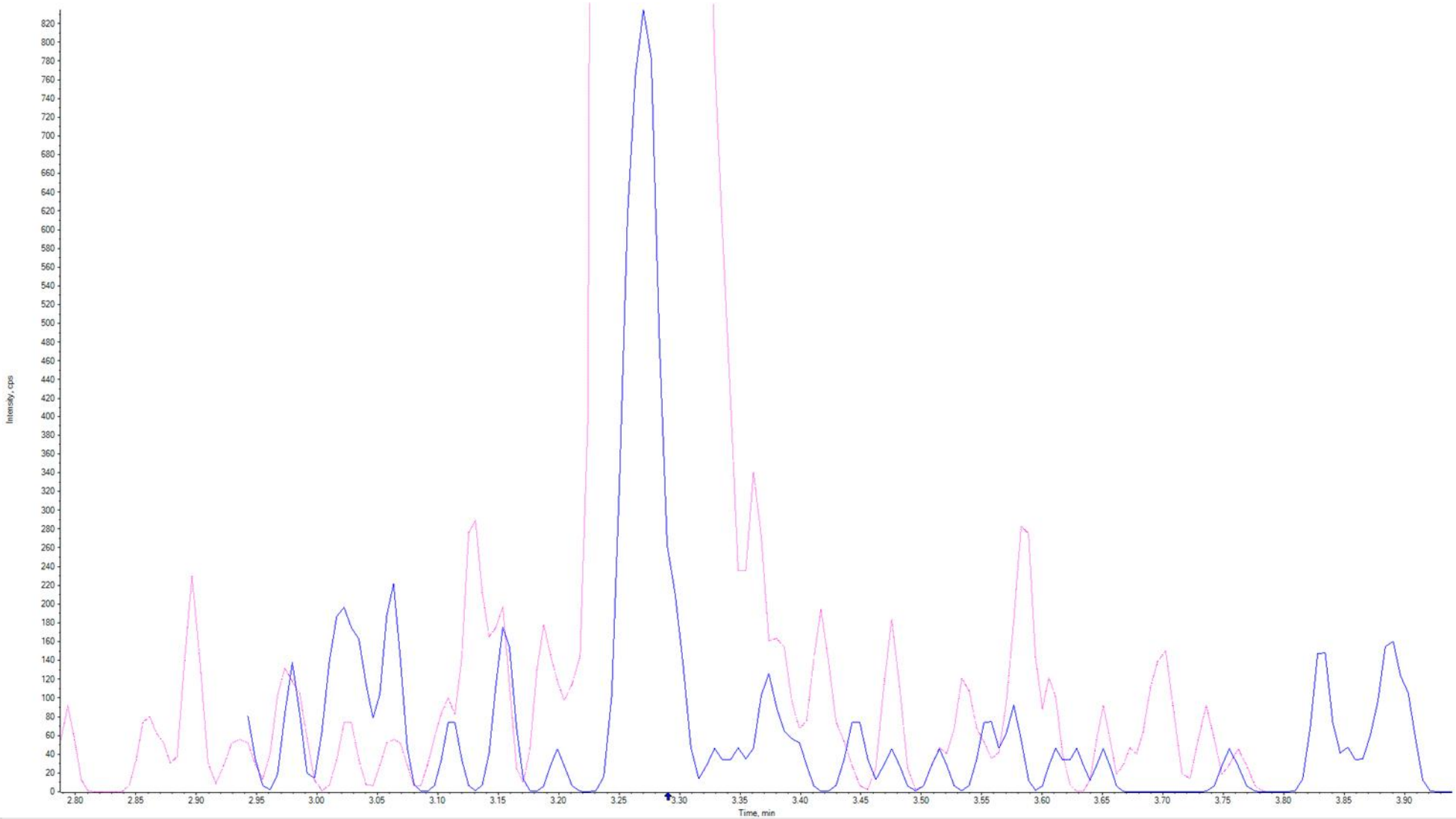
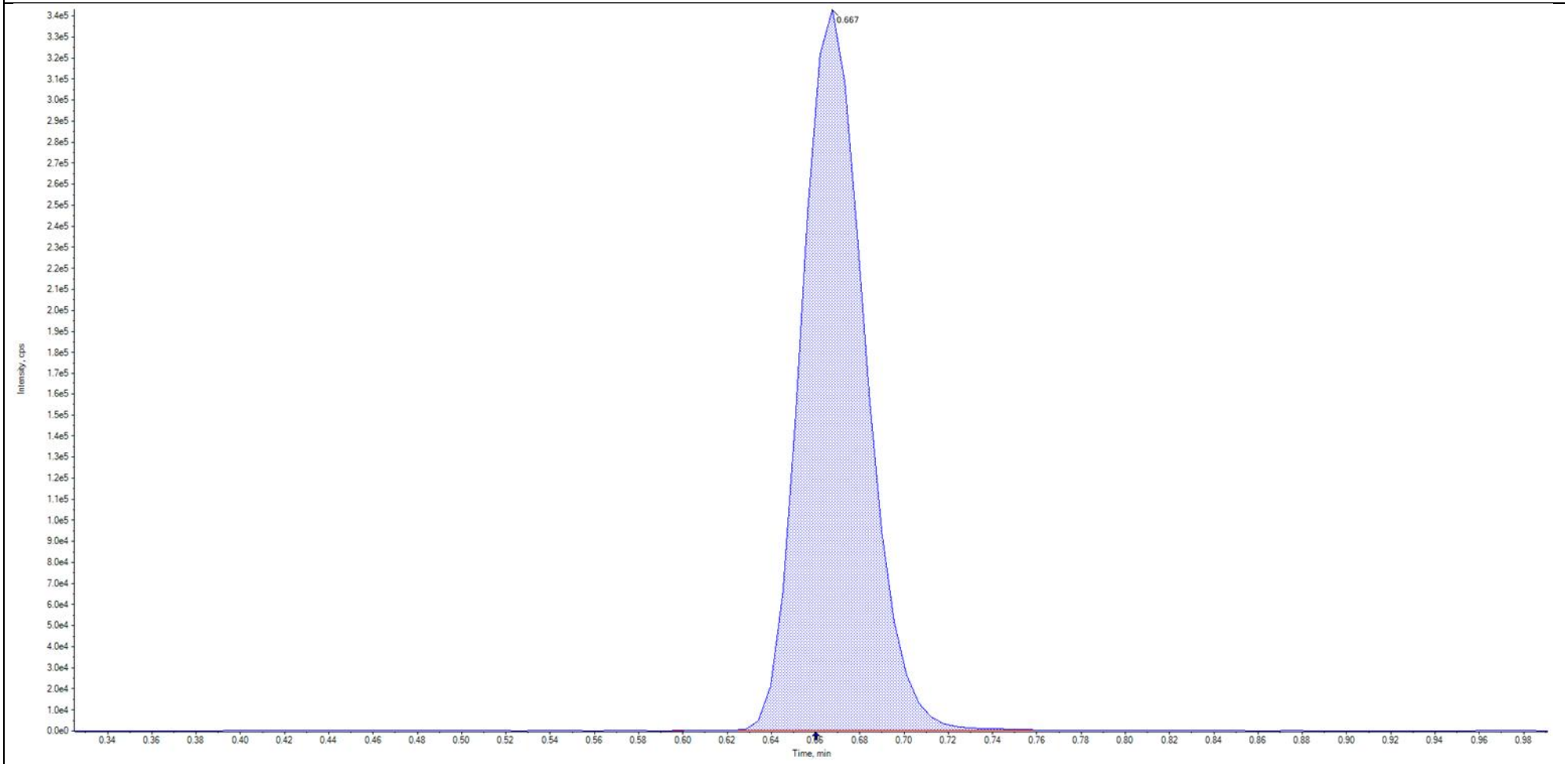
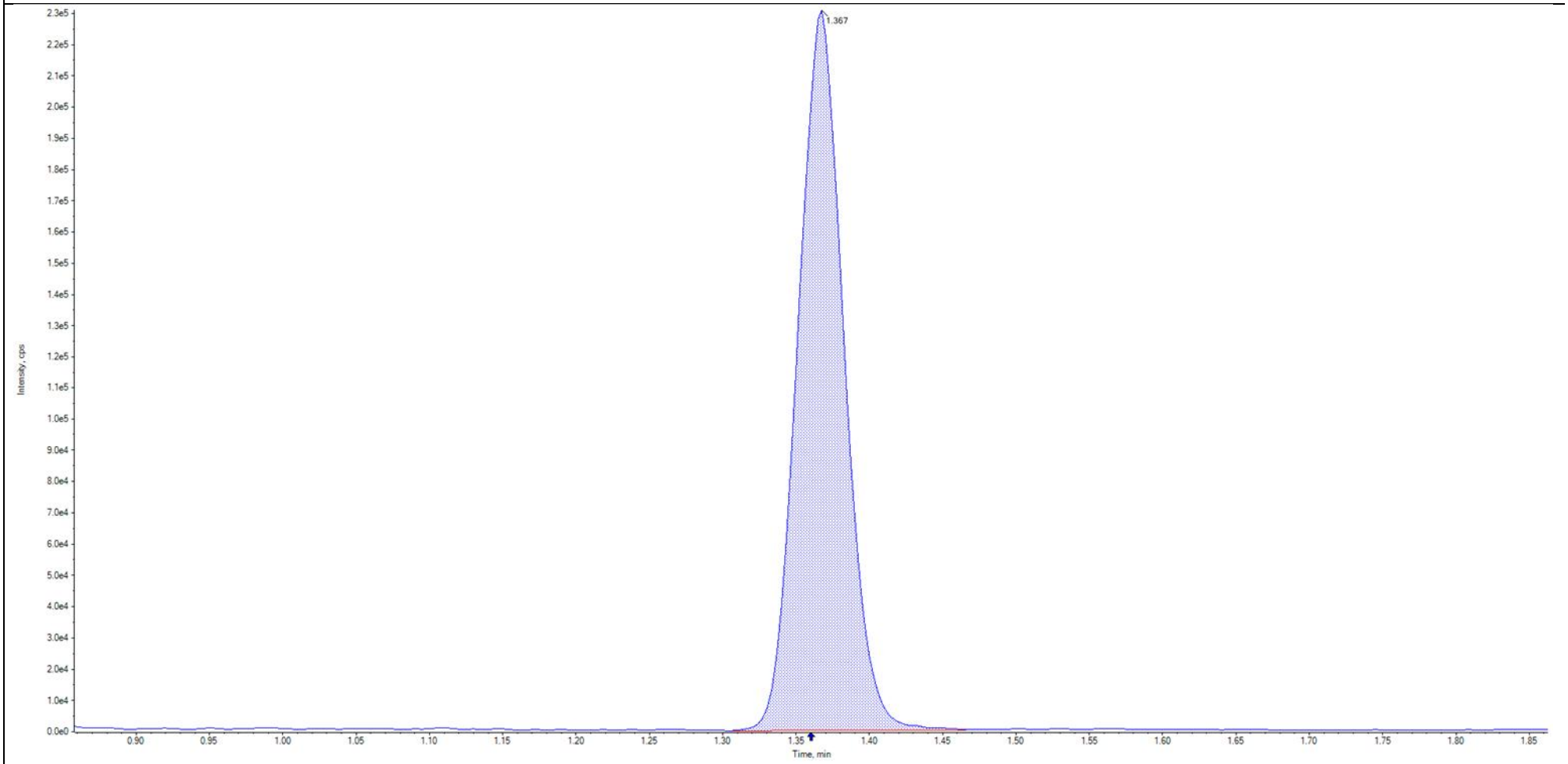
13C2-PFOA
Sample: WG2011107-5 S/N:N/A Points Across peak:N/A



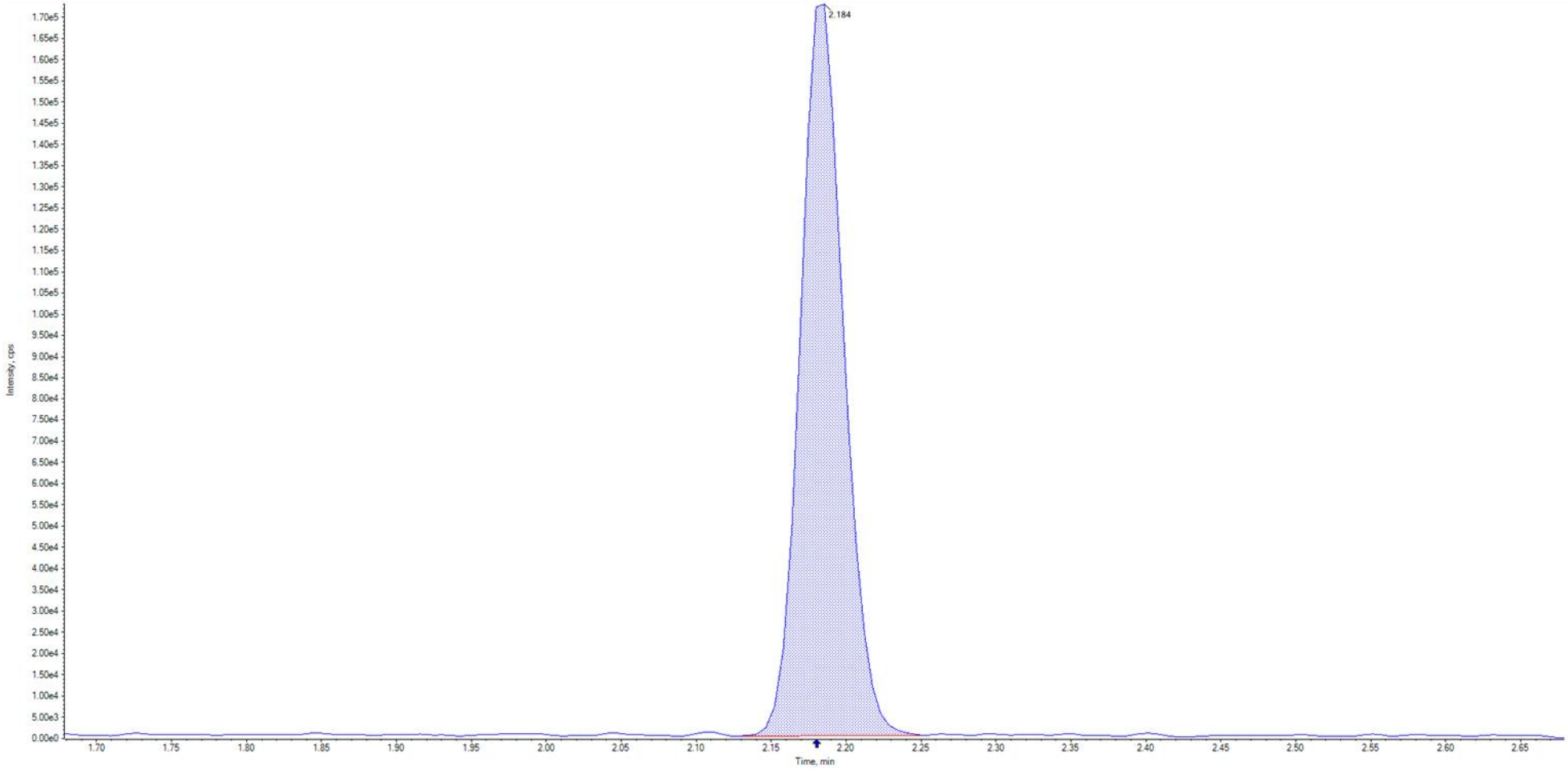
13C4-PFBA
Sample: WG2011107-5



13C5-PFPeA
Sample: WG2011107-5



13C5-PFHxA
Sample: WG2011107-5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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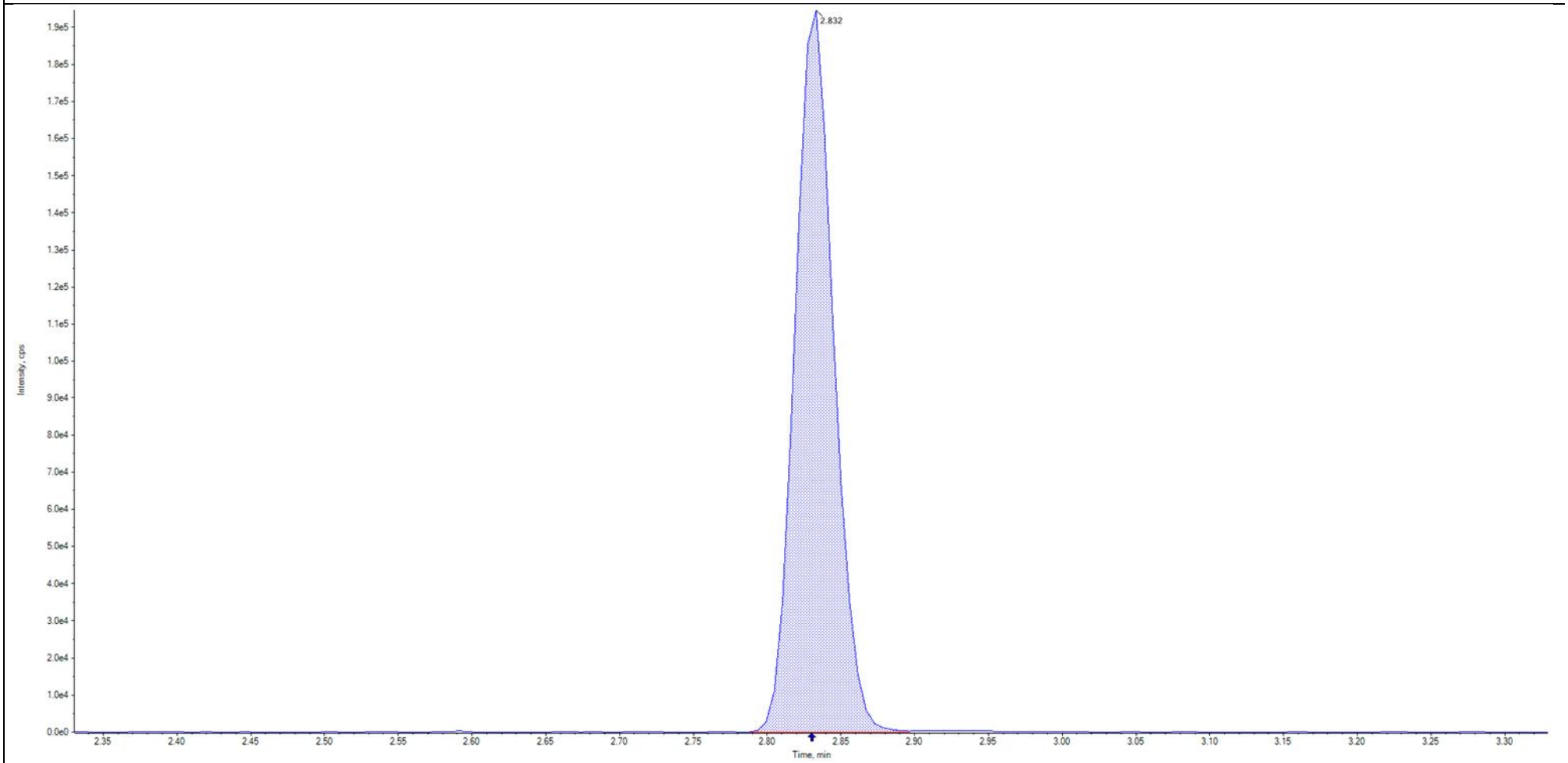
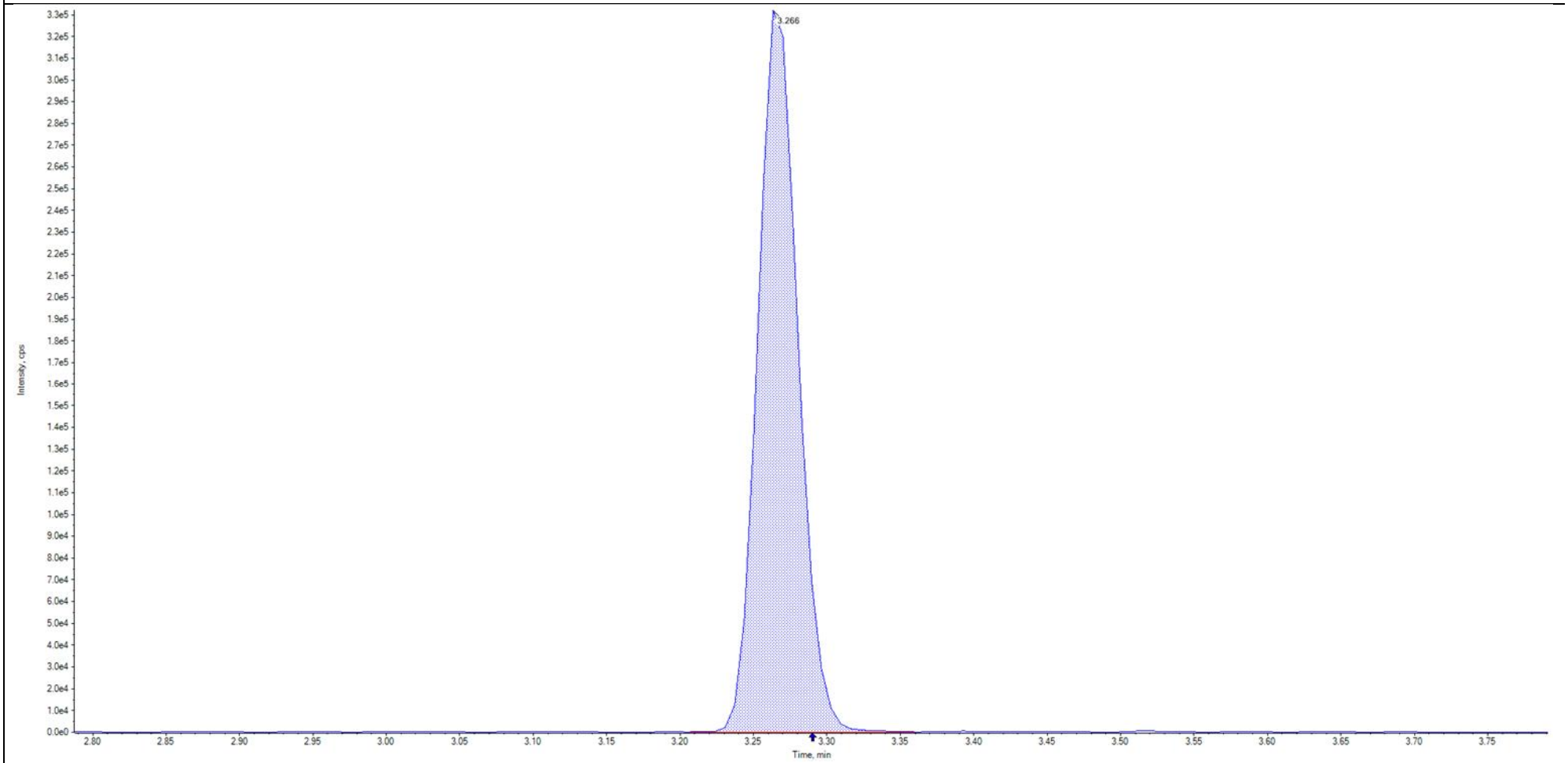
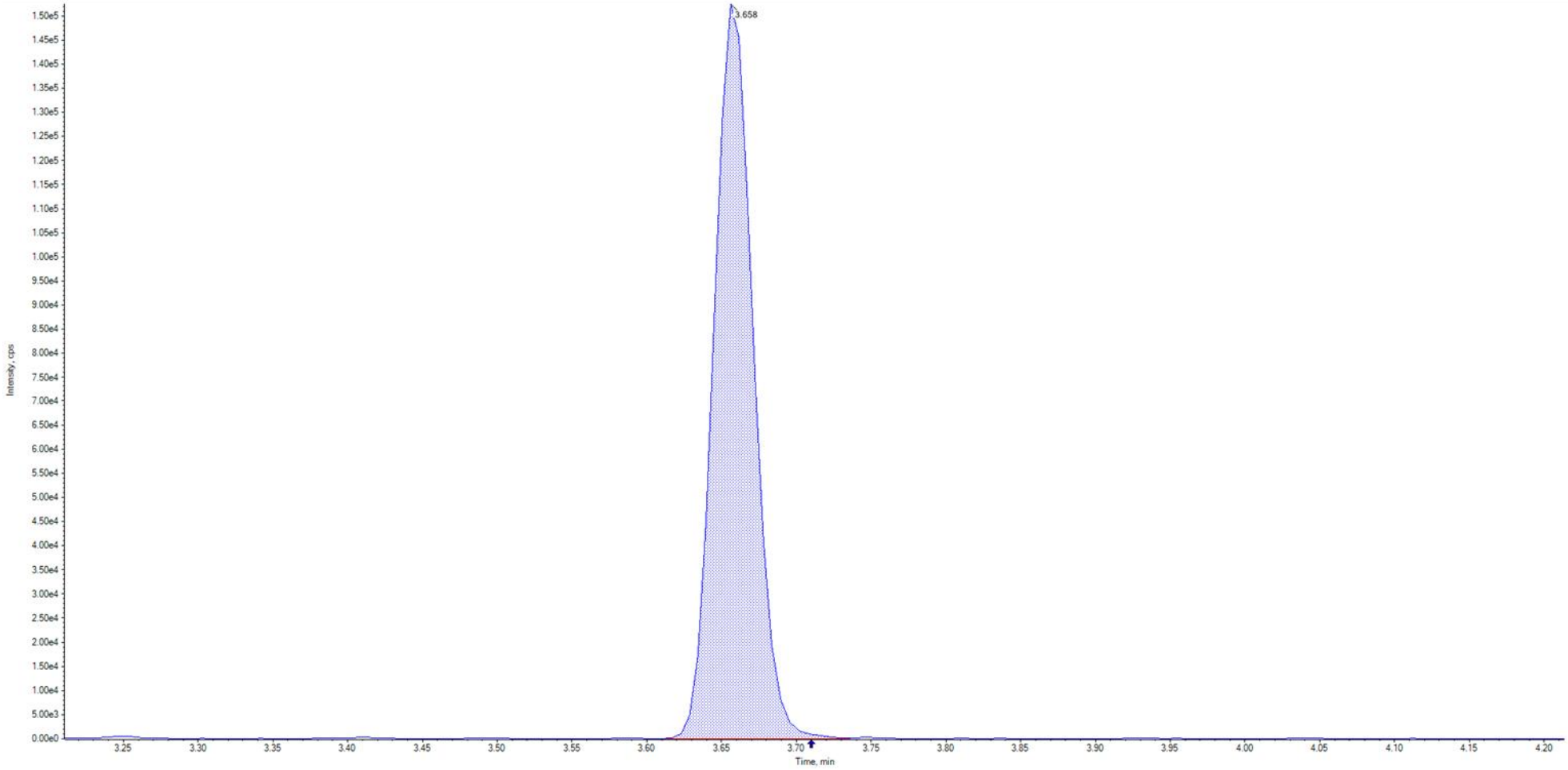
13C4-PFHpA
Sample: WG2011107-5



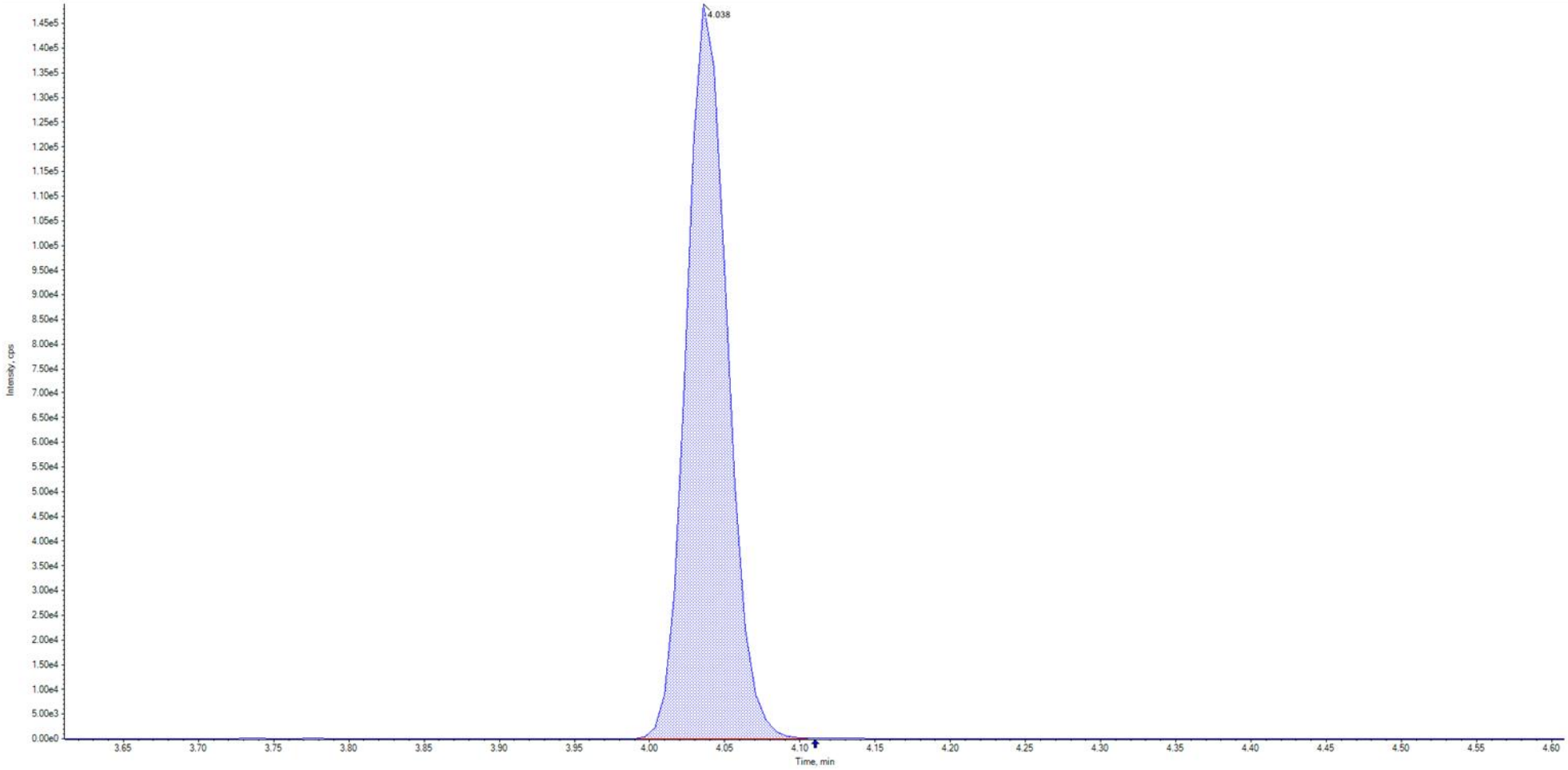
13C8-PFOA
Sample: WG2011107-5



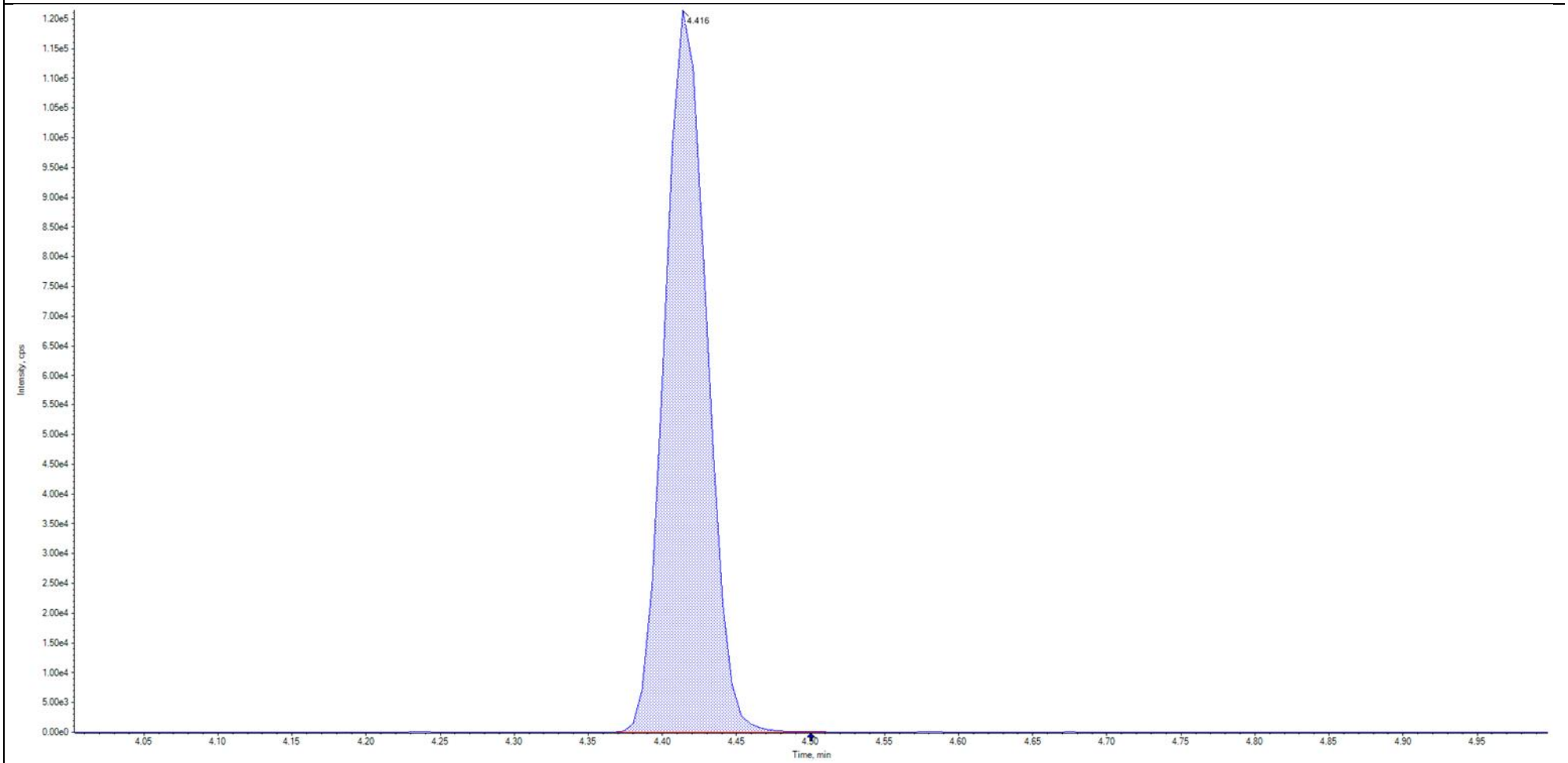
13C9-PFNA
Sample: WG2011107-5



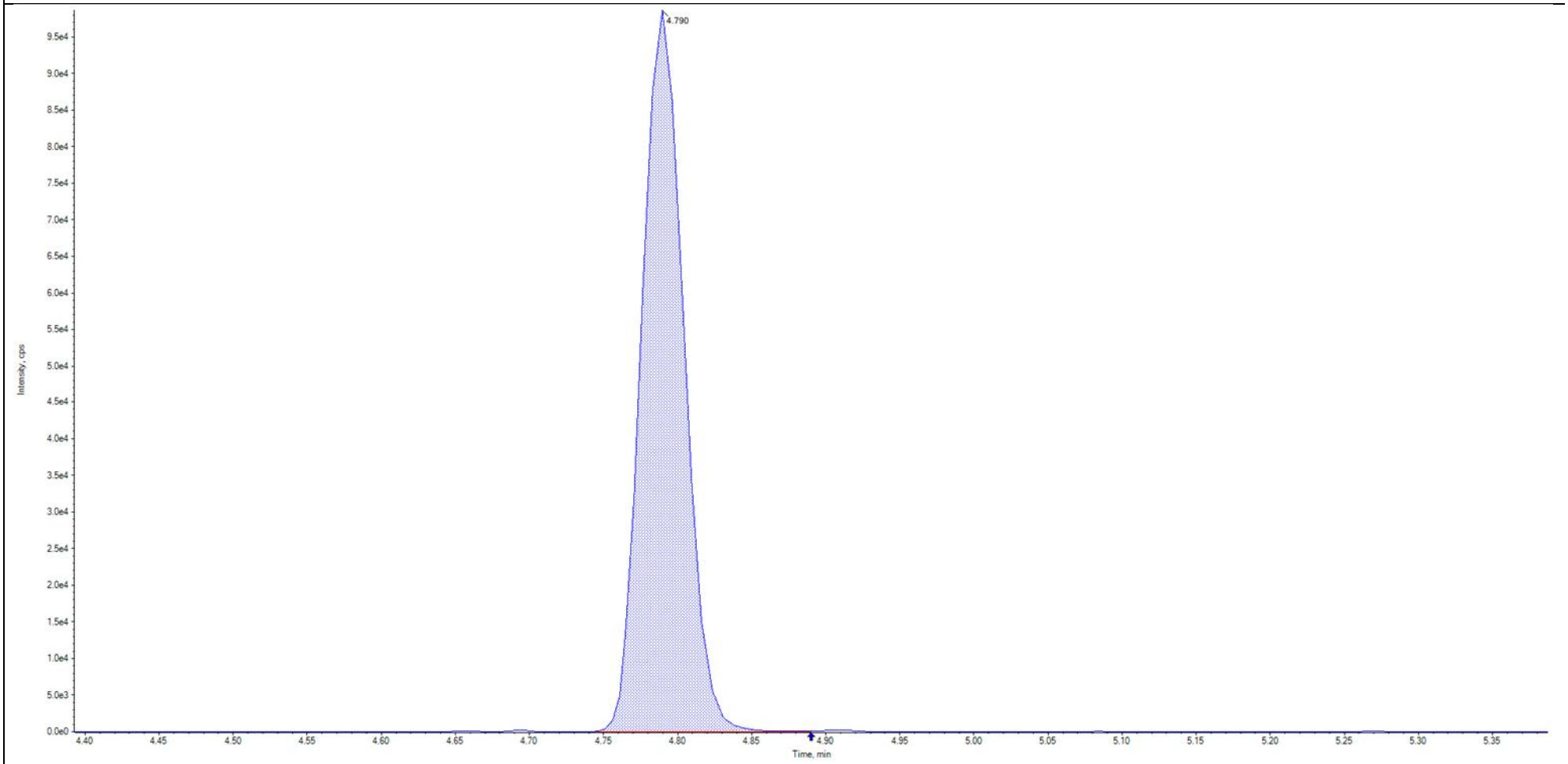
13C6-PFDA
Sample: WG2011107-5



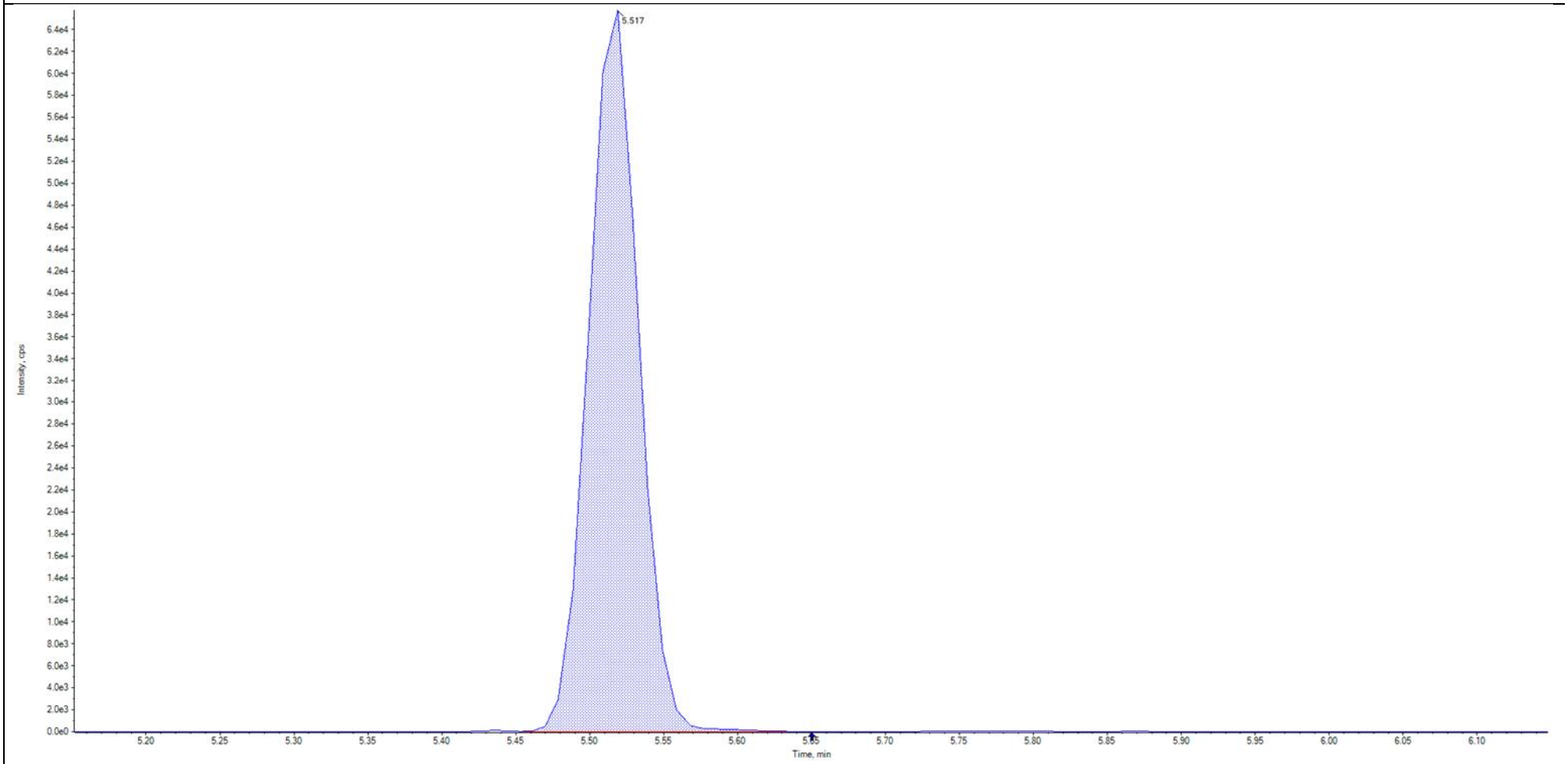
13C7-PFUnA
Sample: WG2011107-5



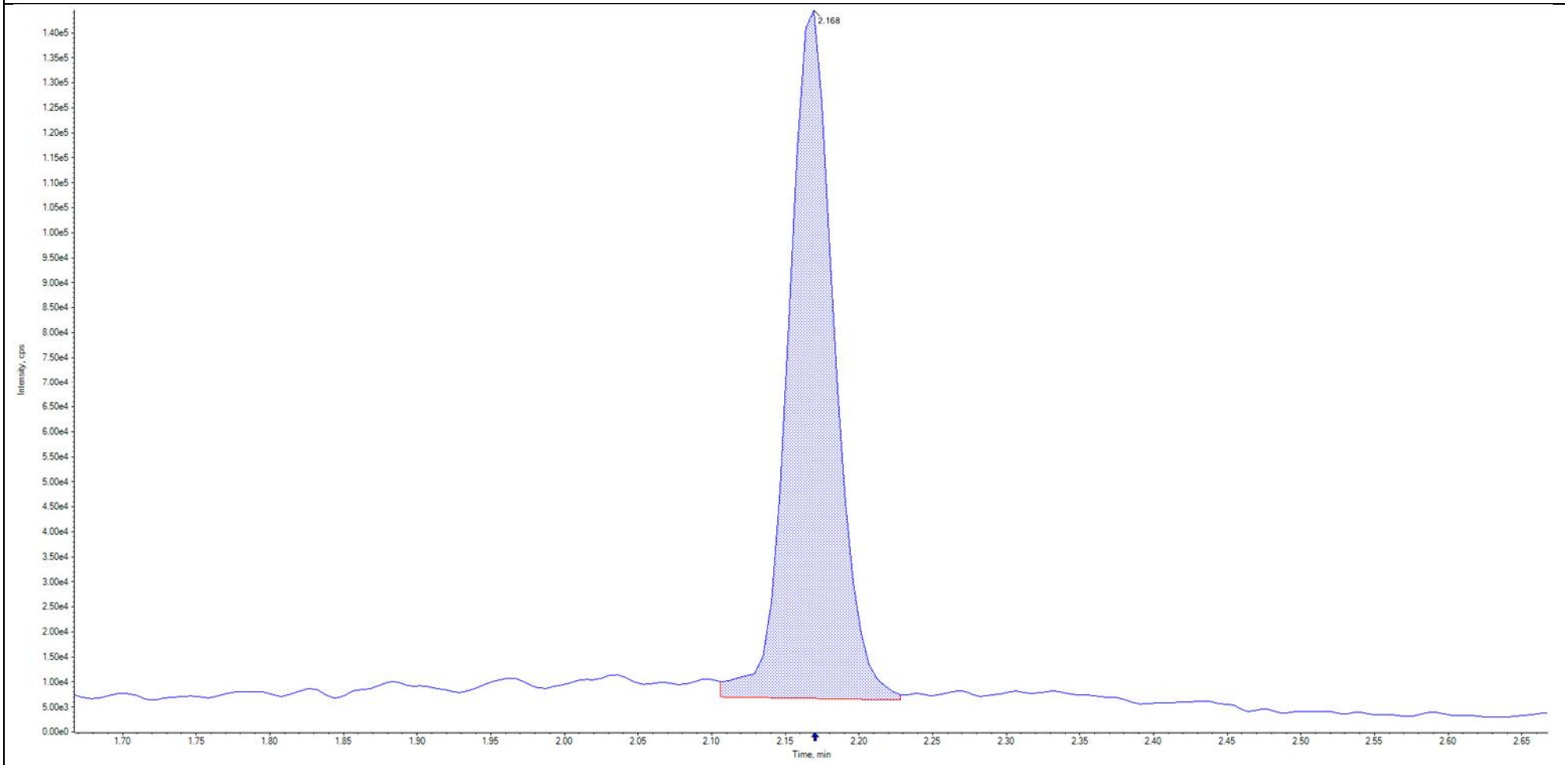
13C2-PFDoA
Sample: WG2011107-5



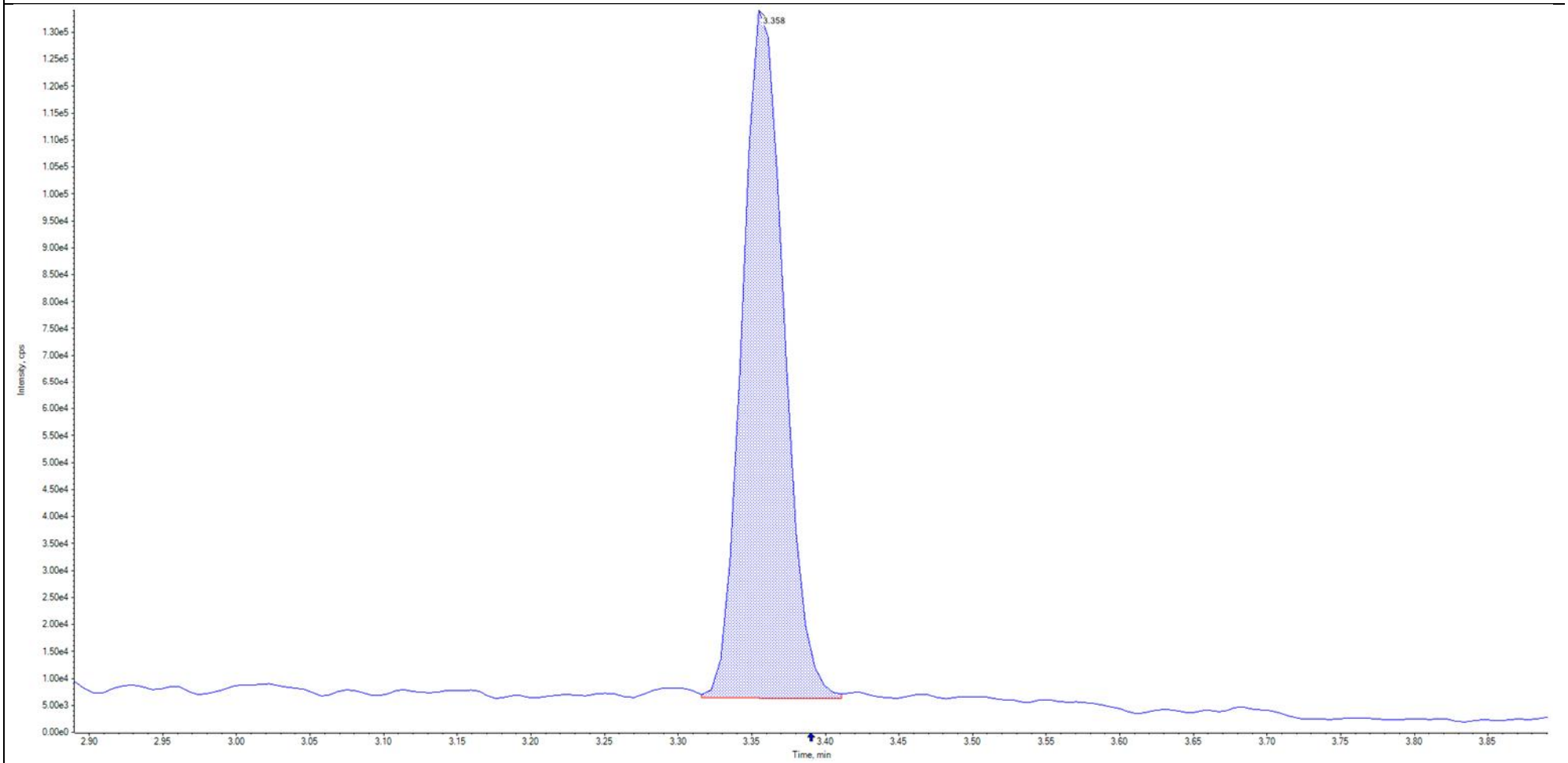
13C2-PFTeDA
Sample: WG2011107-5



13C3-PFBS
Sample: WG2011107-5



13C3-PFHxS
Sample: WG2011107-5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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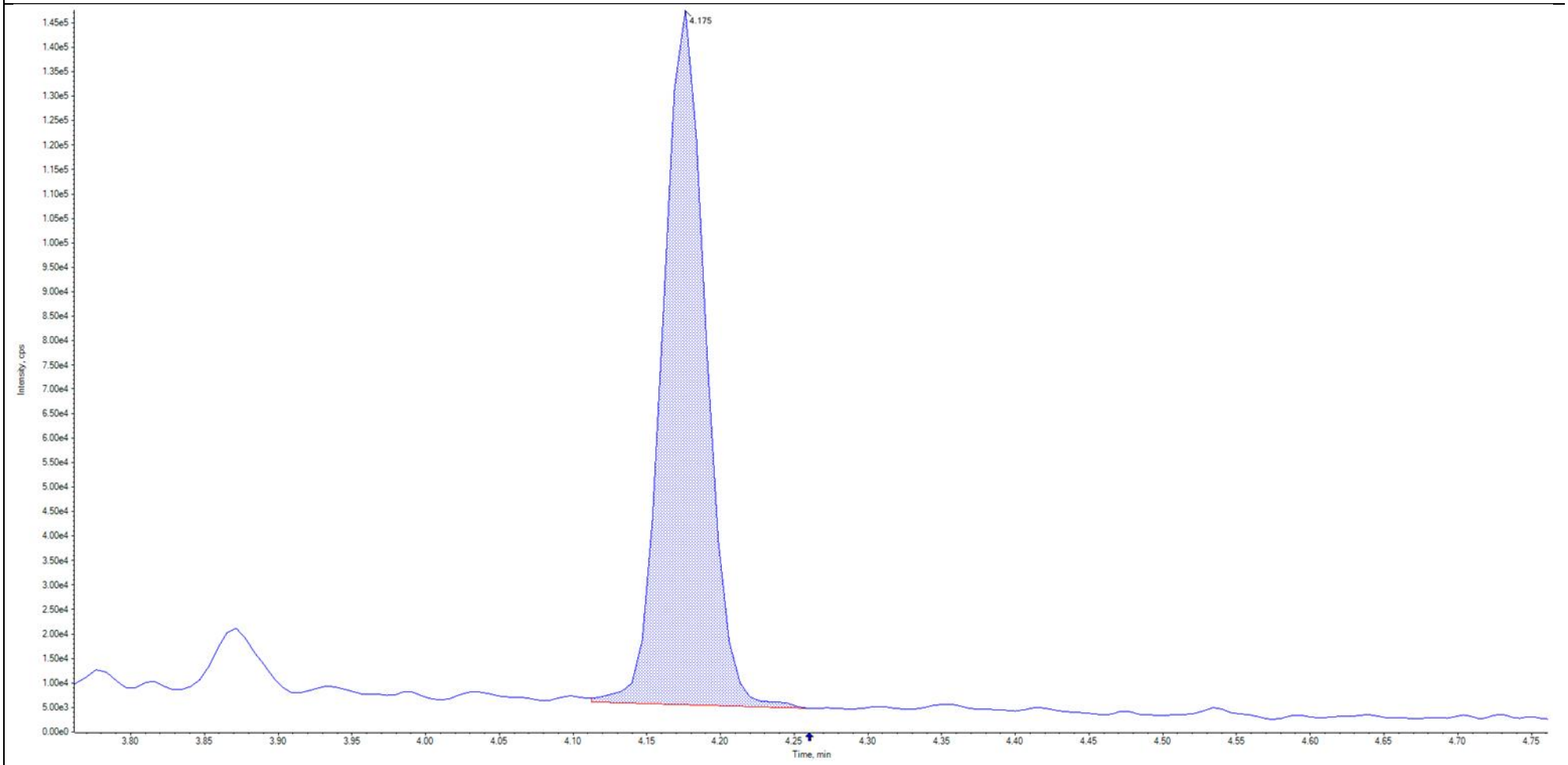
13C8-PFOS
Sample: WG2011107-5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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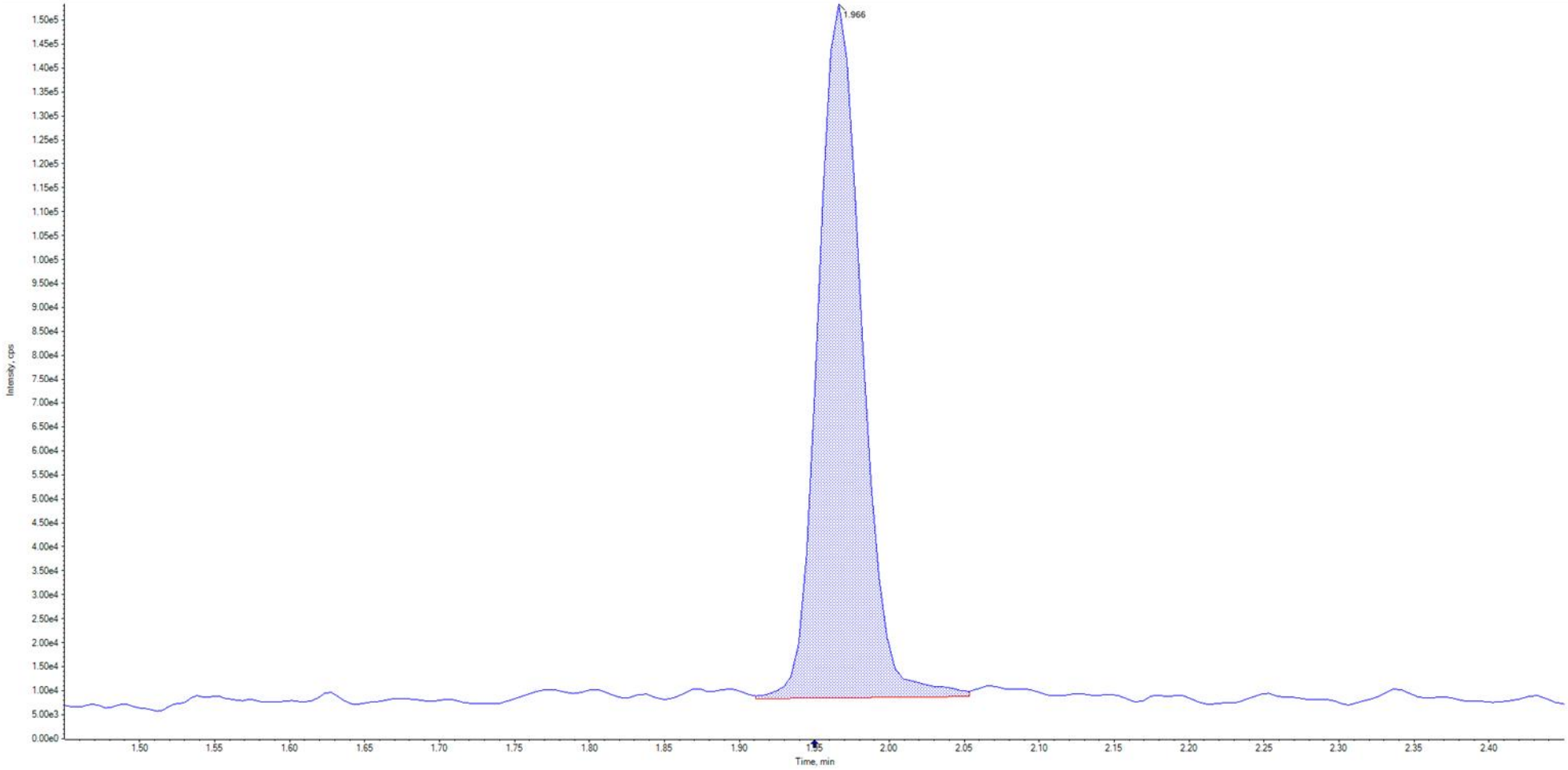
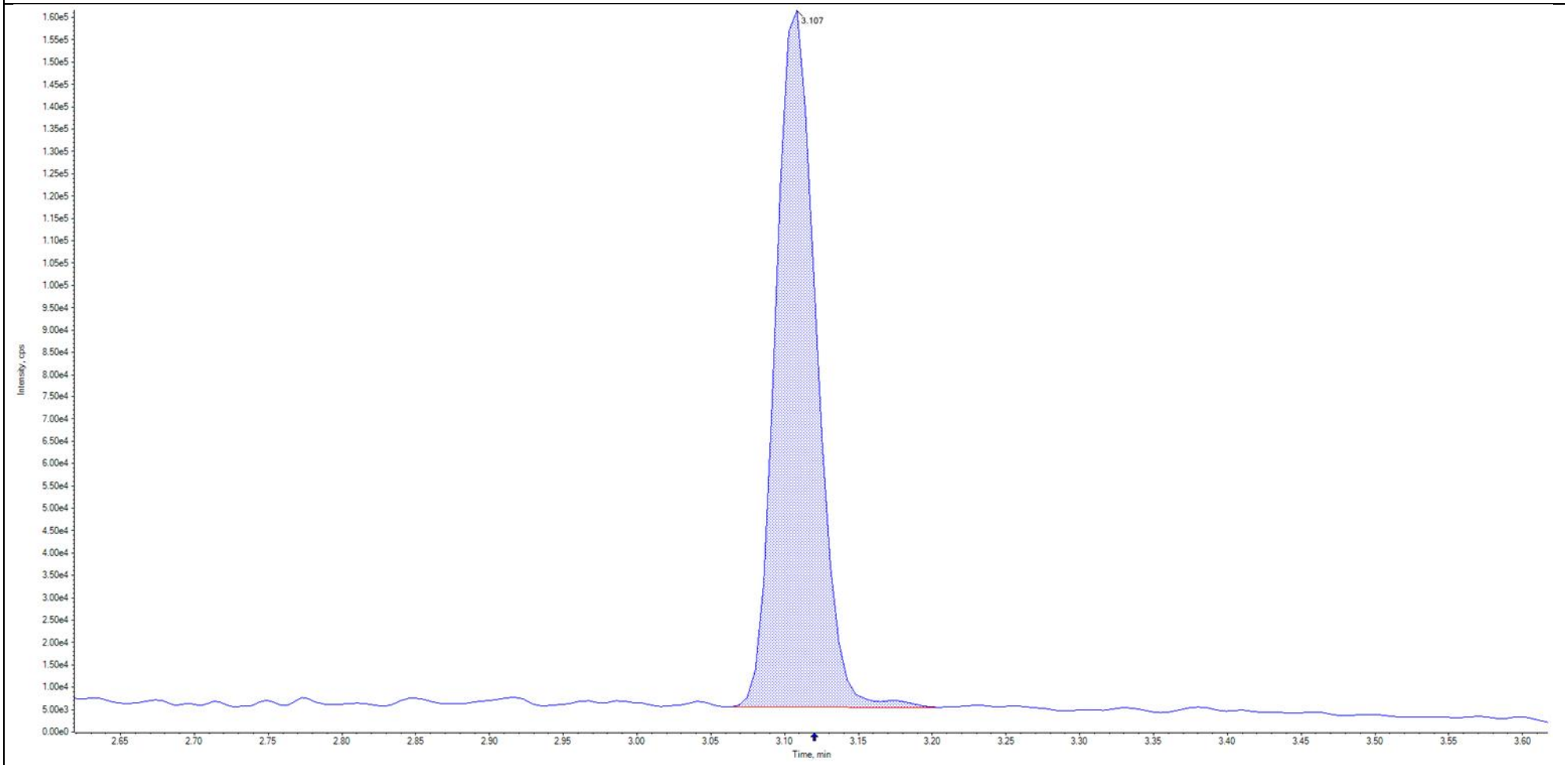
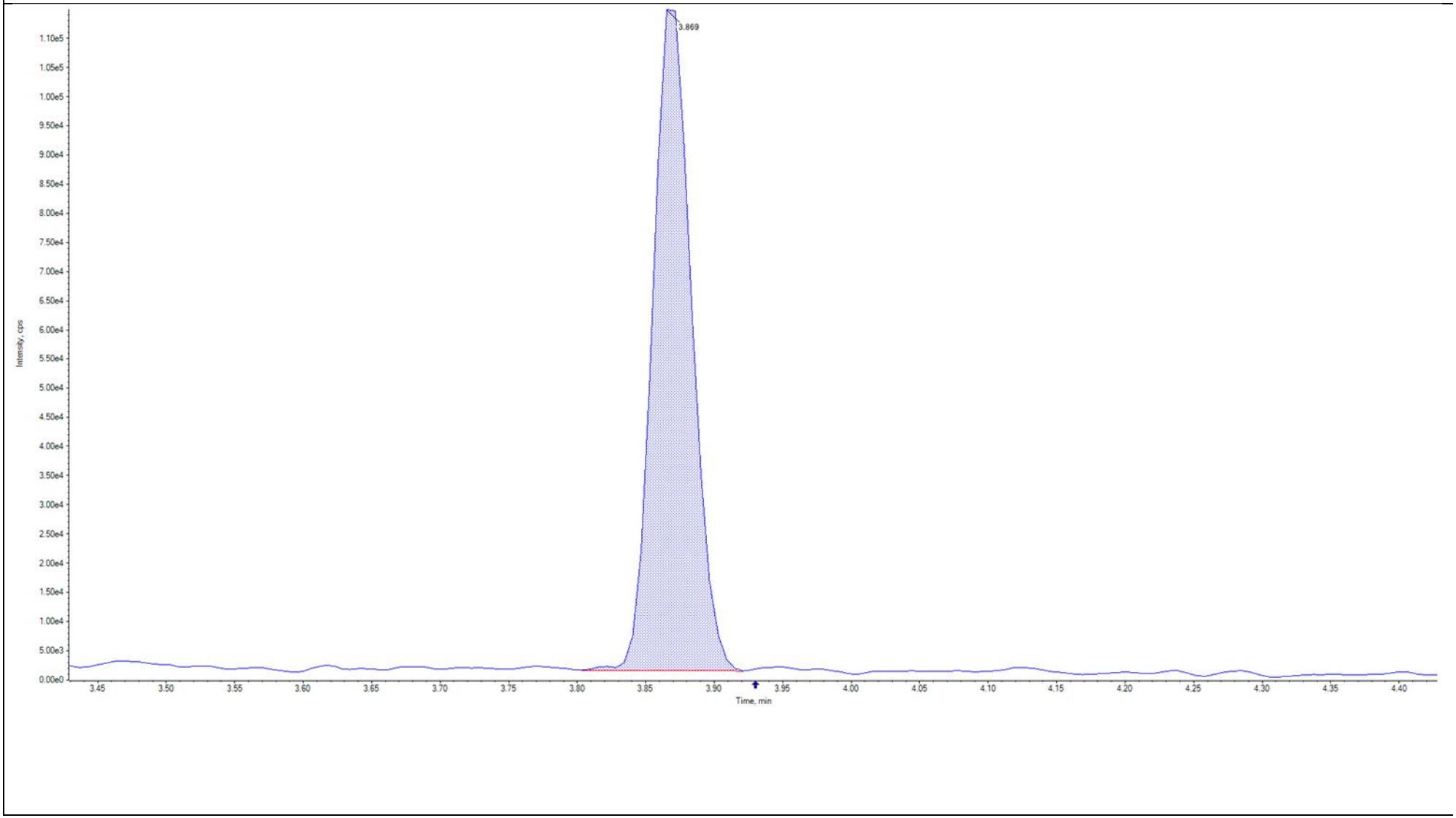
13C2-4:2FTS
Sample: WG2011107-5



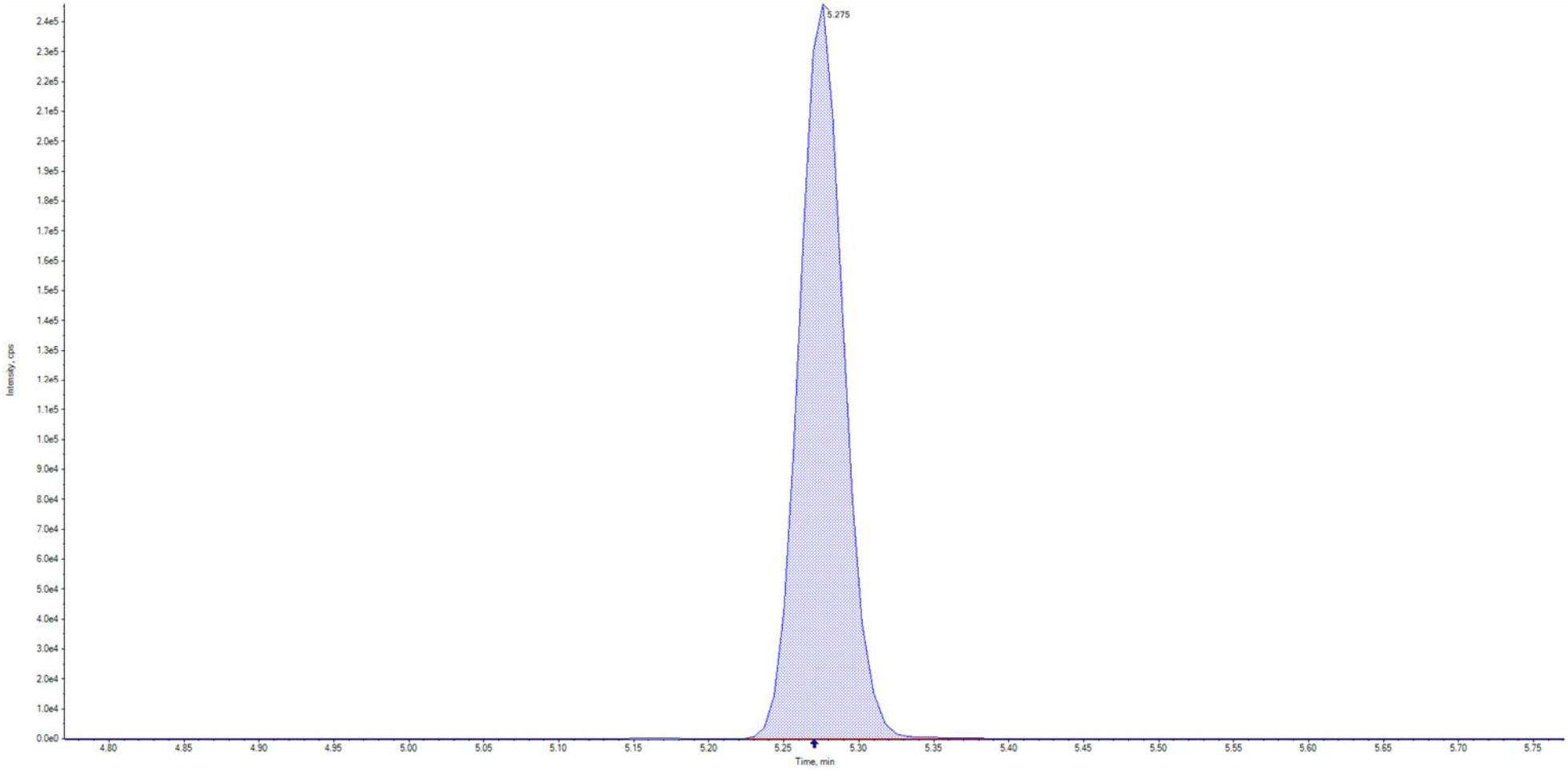
13C2-6:2FTS
Sample: WG2011107-5



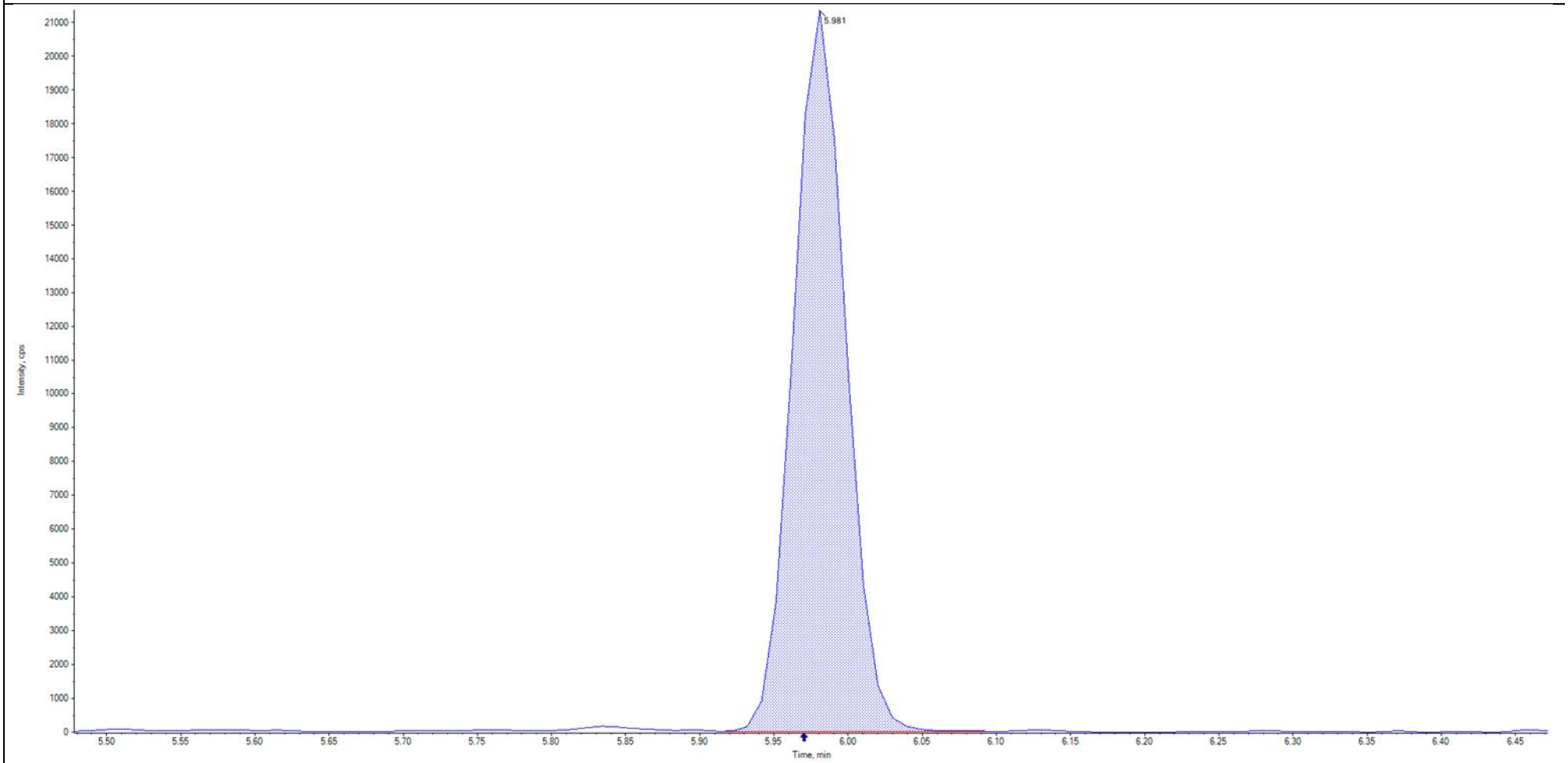
13C2-8:2FTS
Sample: WG2011107-5



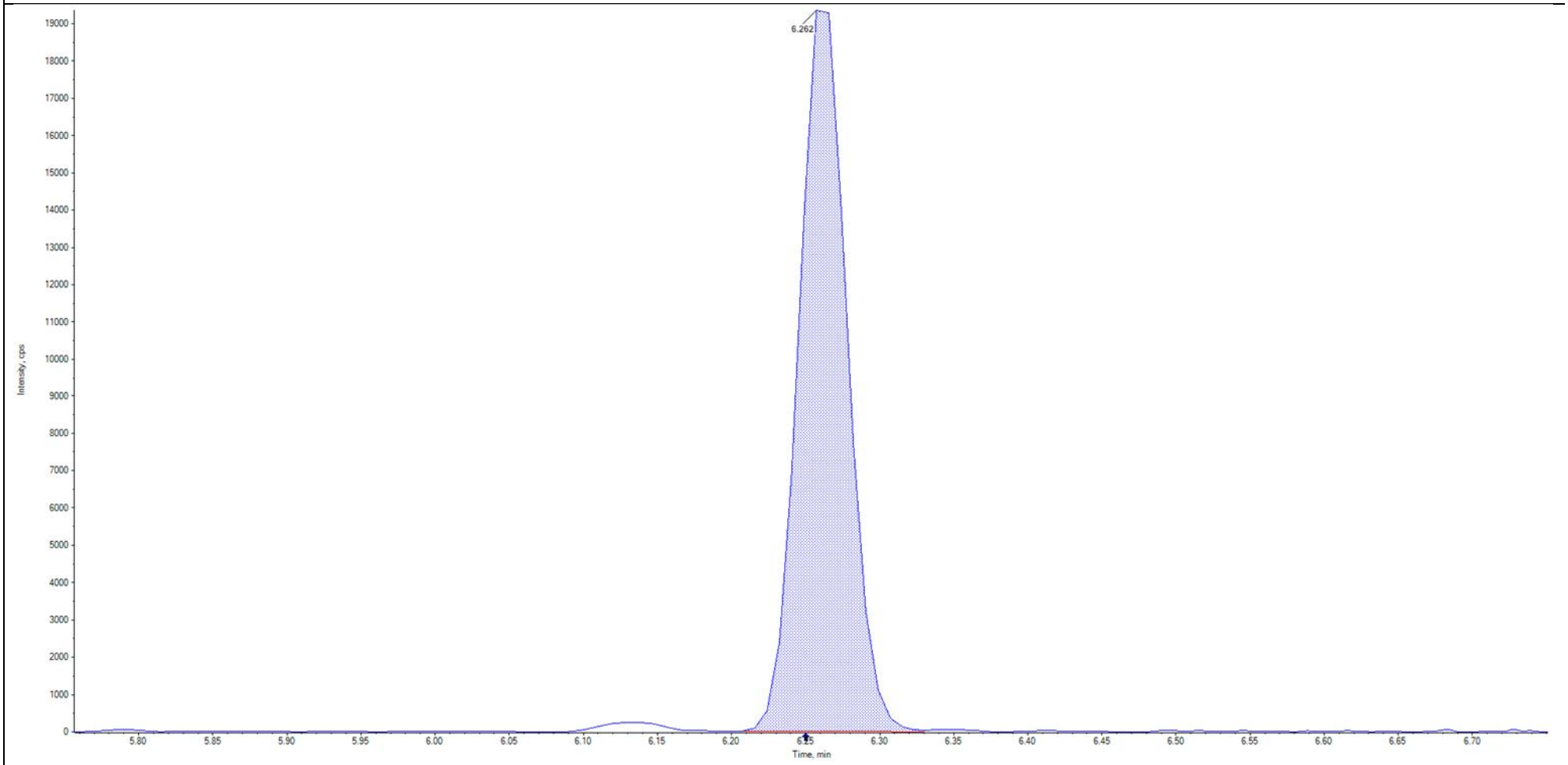
13C8-PFOSA
Sample: WG2011107-5



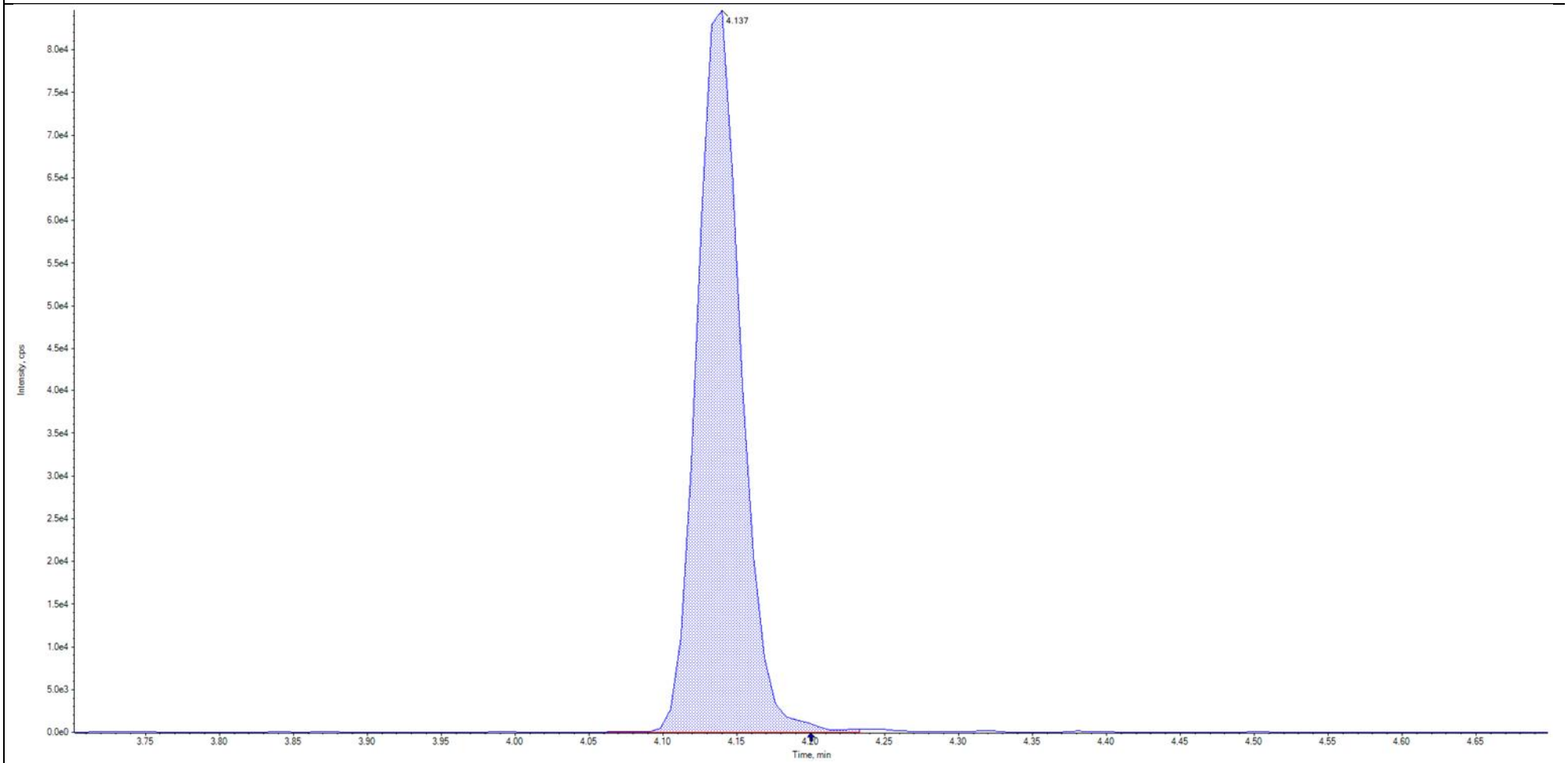
d3-NMeFOSA
Sample: WG2011107-5



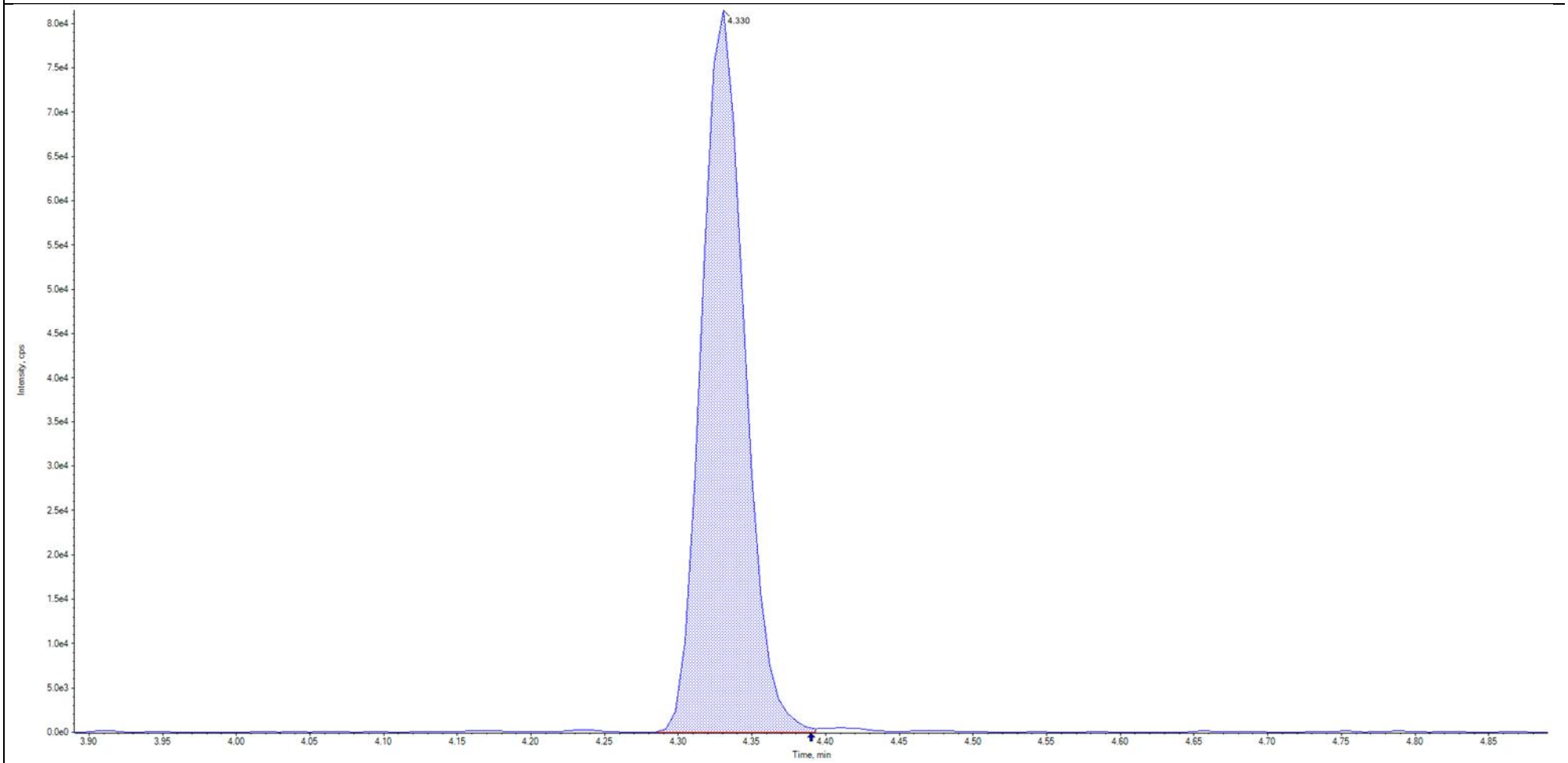
d5-NEtFOSA
Sample: WG2011107-5



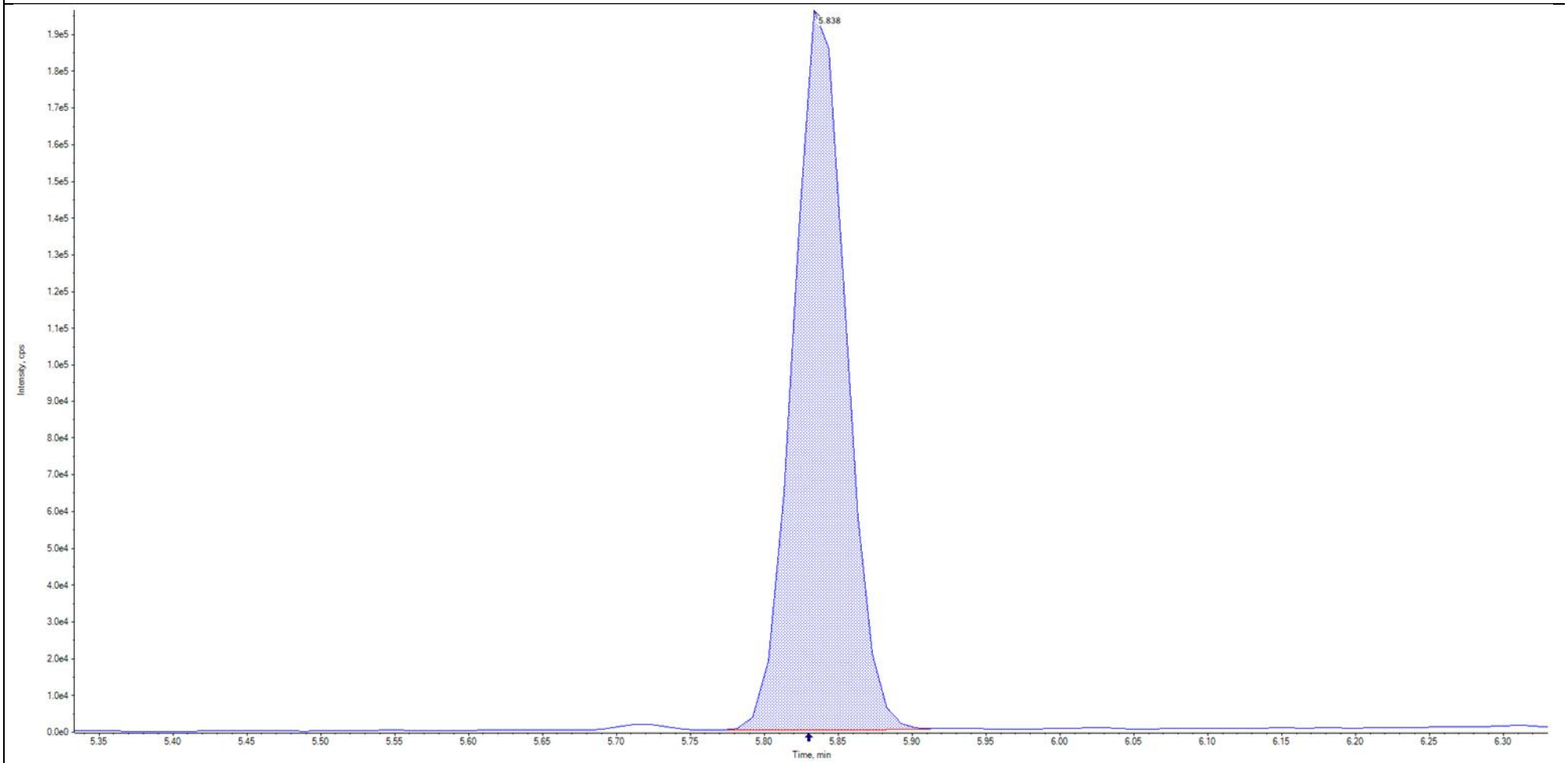
d3-NMeFOSAA
Sample: WG2011107-5



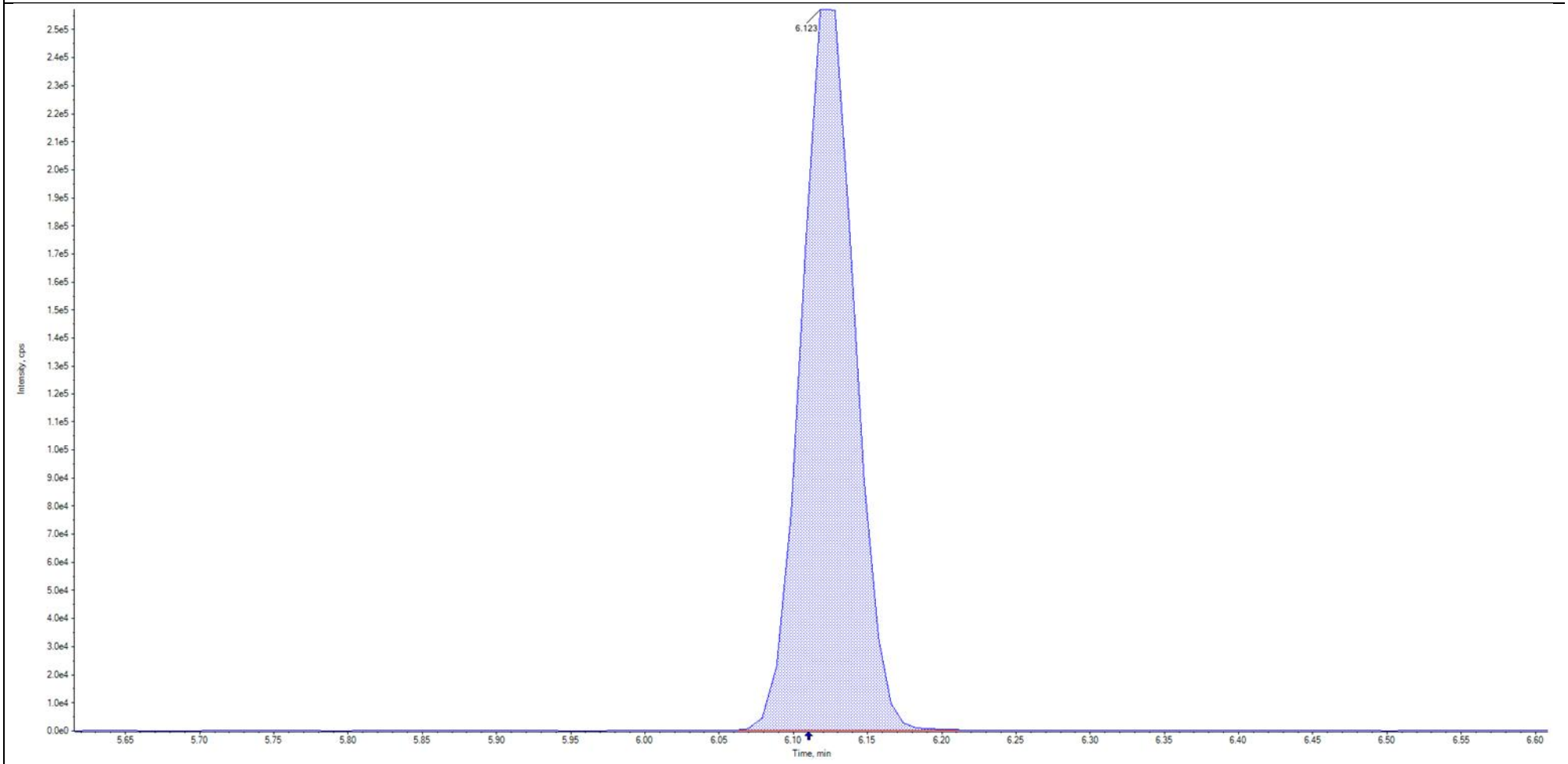
d5-NEtFOSAA
Sample: WG2011107-5



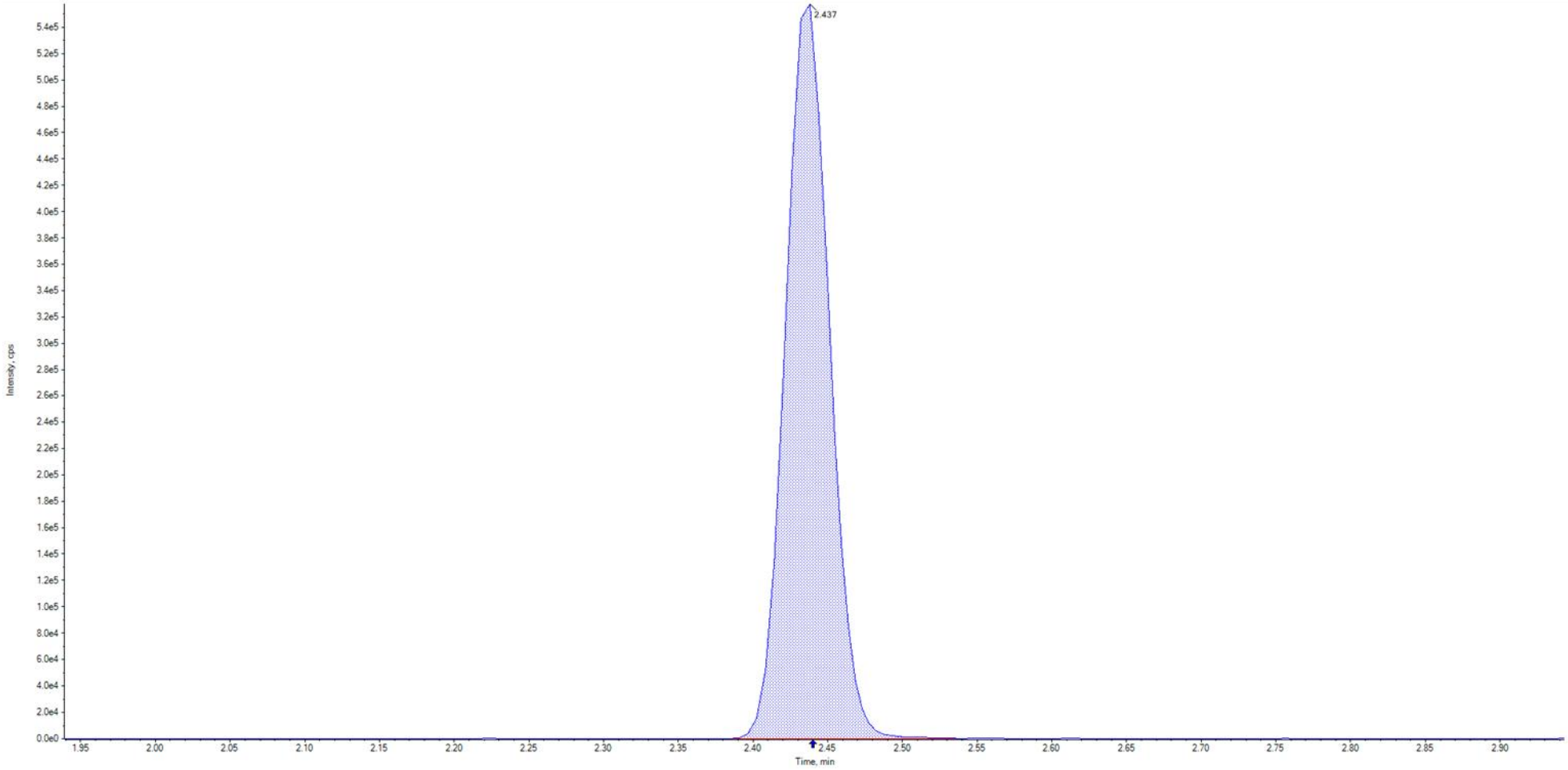
d7-NMeFOSE
Sample: WG2011107-5



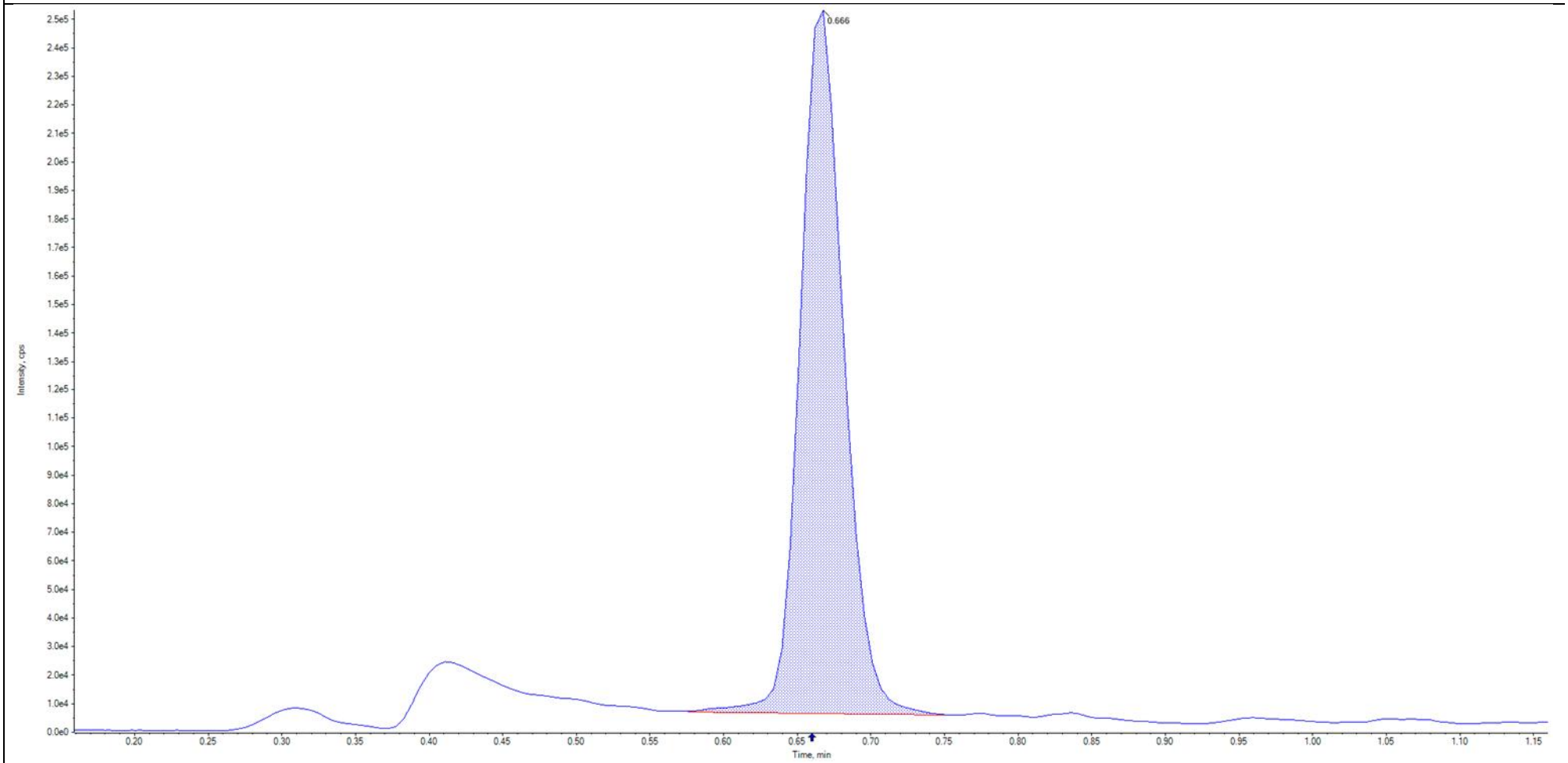
d9-NEtFOSE
Sample: WG2011107-5



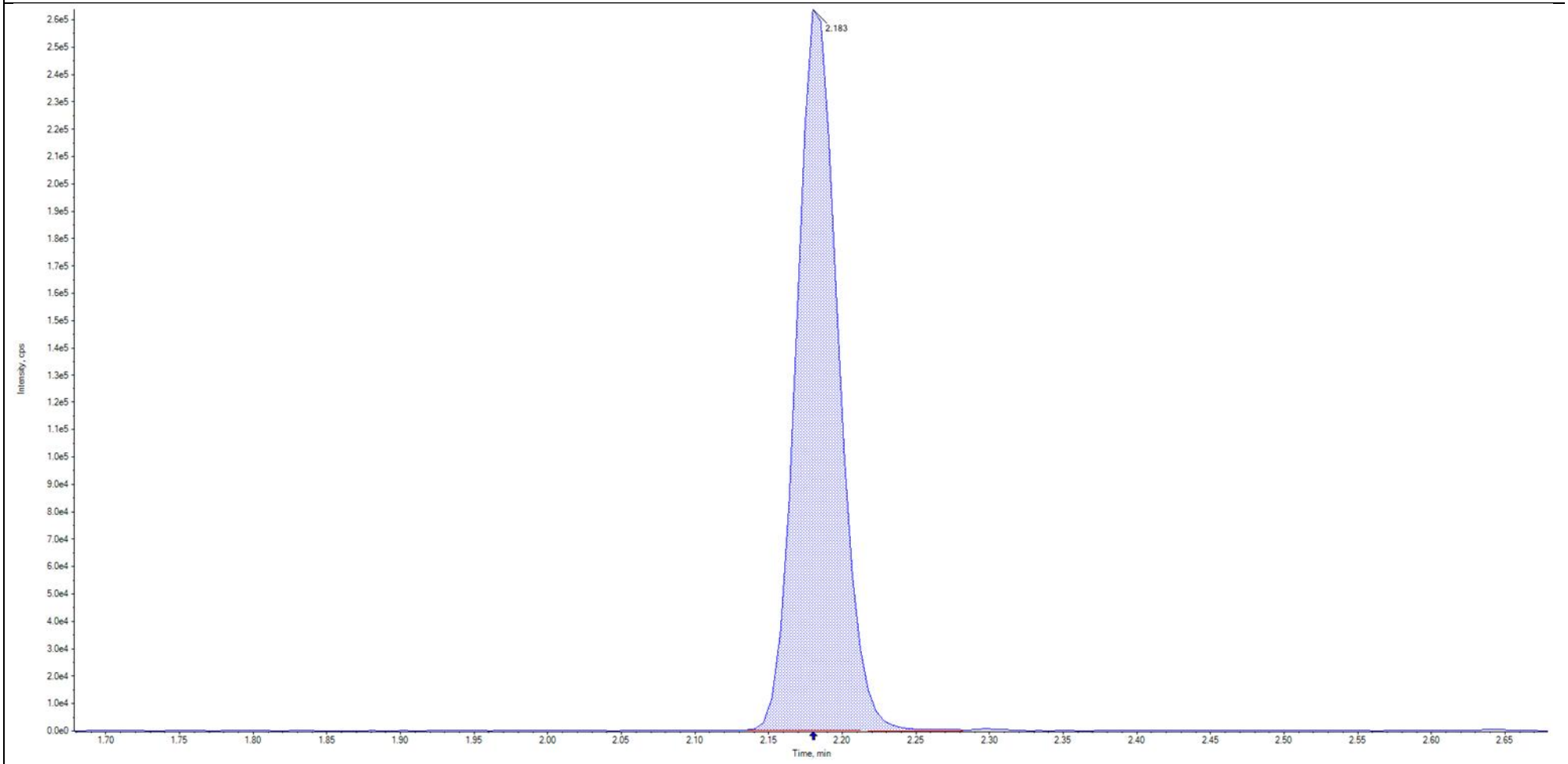
13C3-HFPO-DA
Sample: WG2011107-5



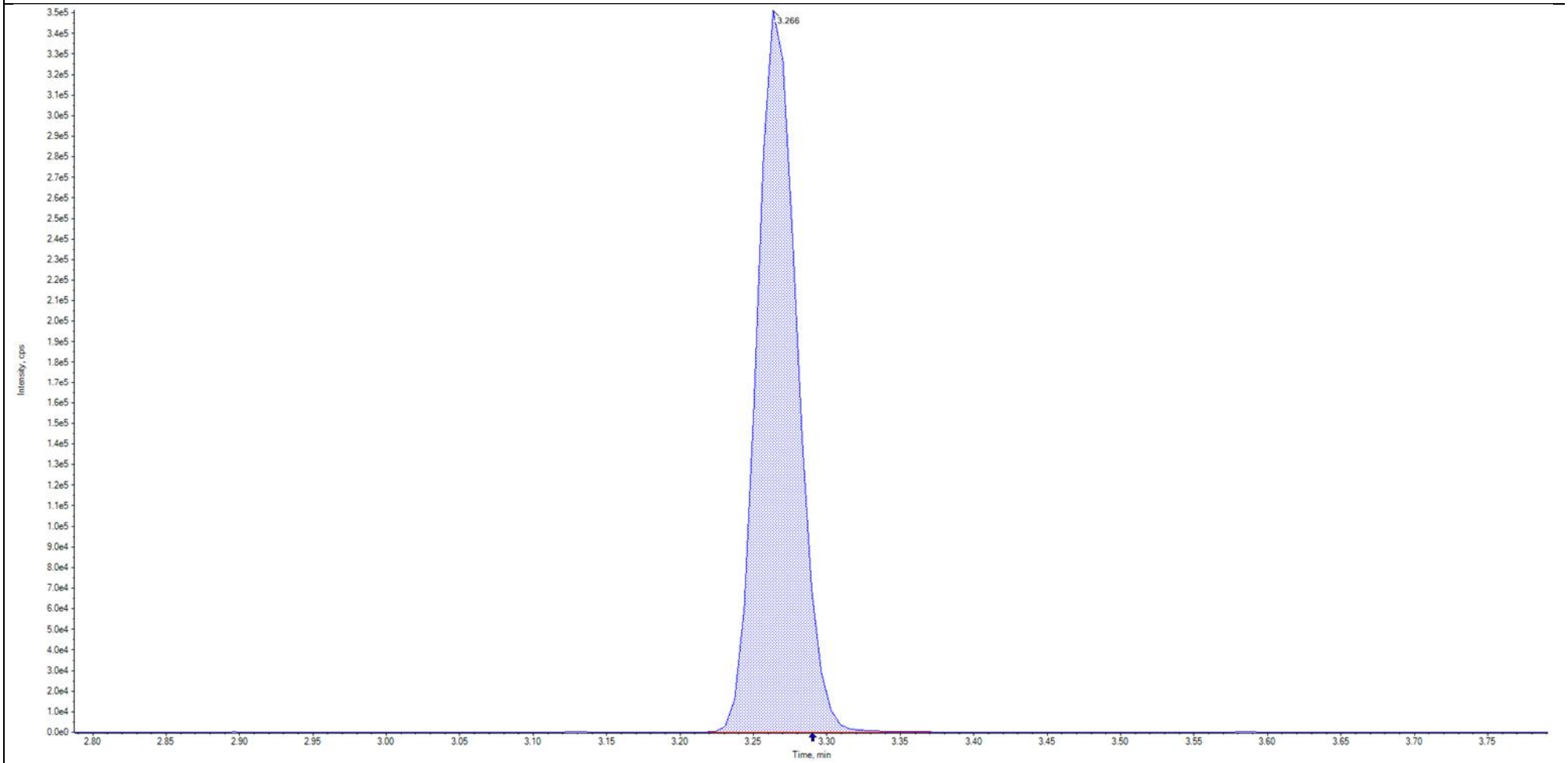
13C3-PFBA
Sample: WG2011107-5



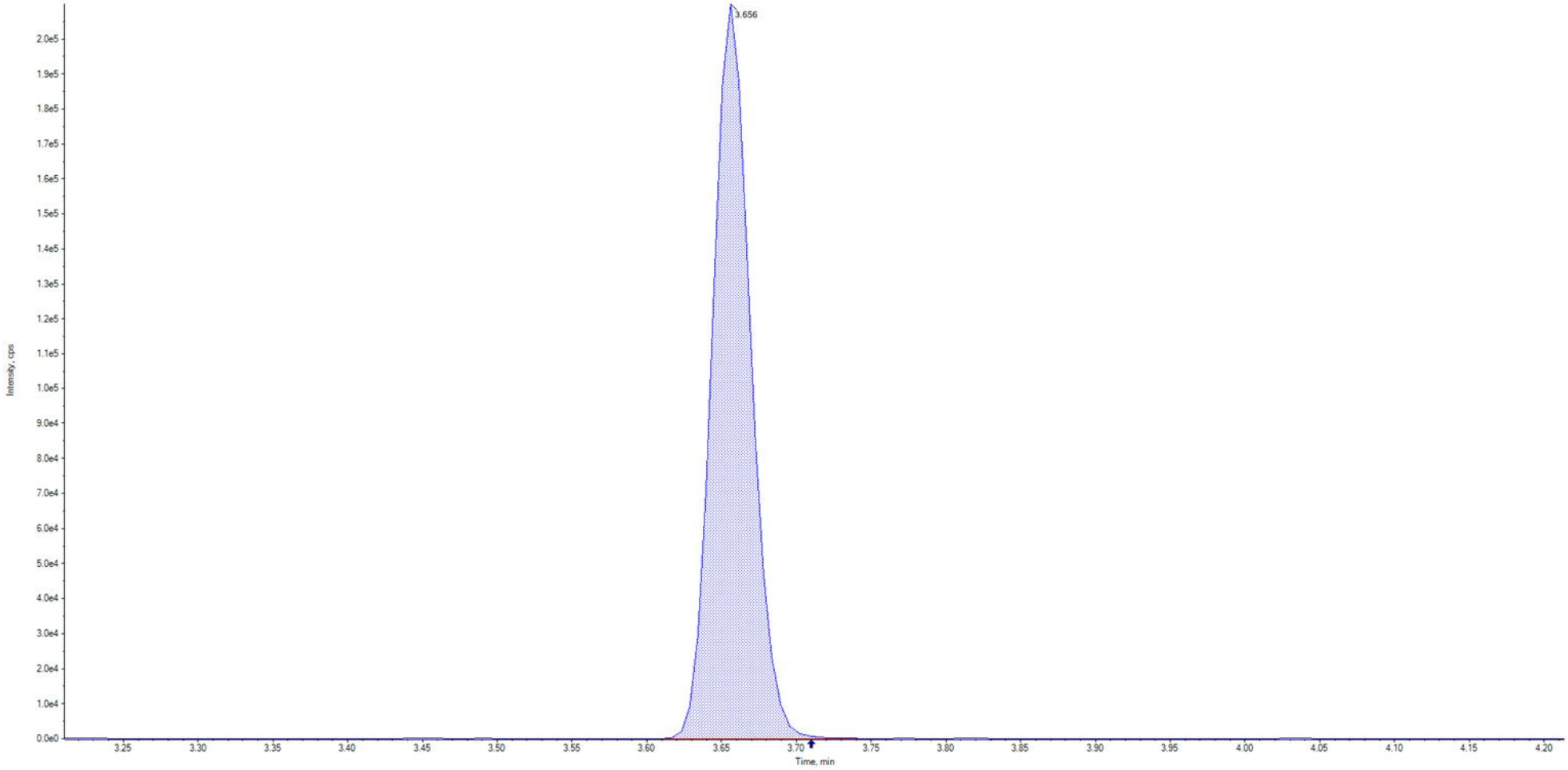
13C2-PFHxA
Sample: WG2011107-5



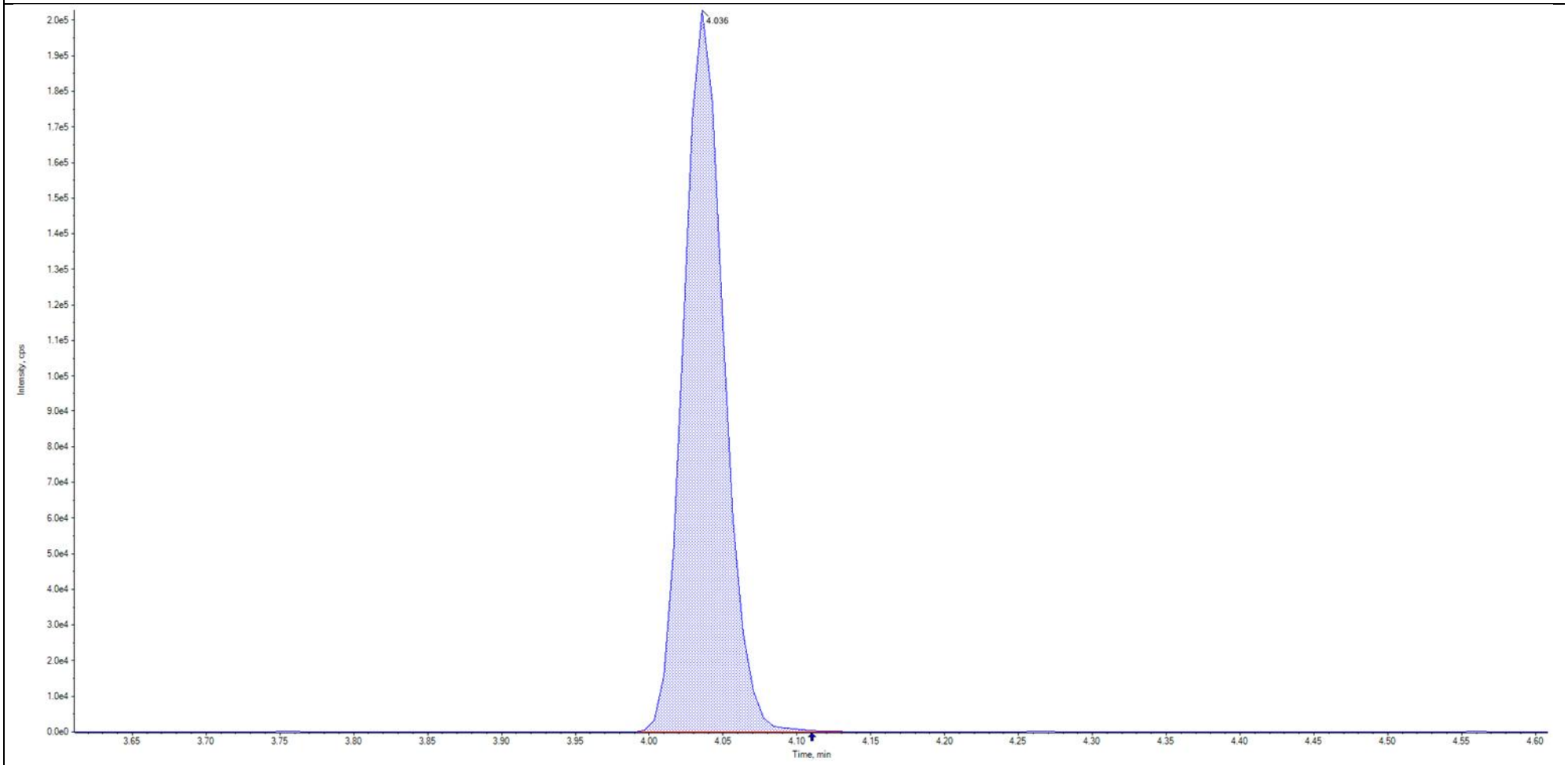
13C4-PFOA
Sample: WG2011107-5



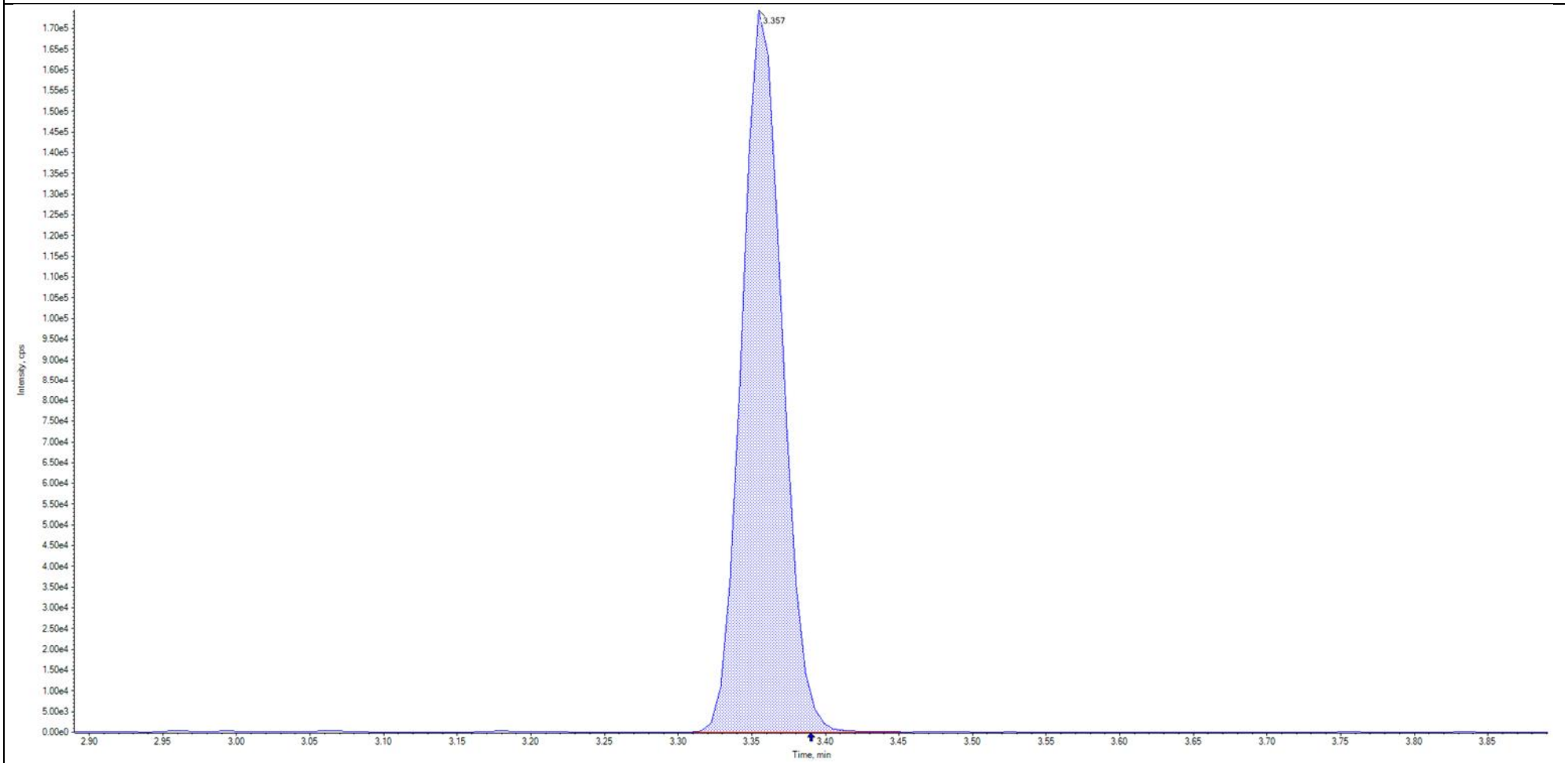
13C5-PFNA
Sample: WG2011107-5



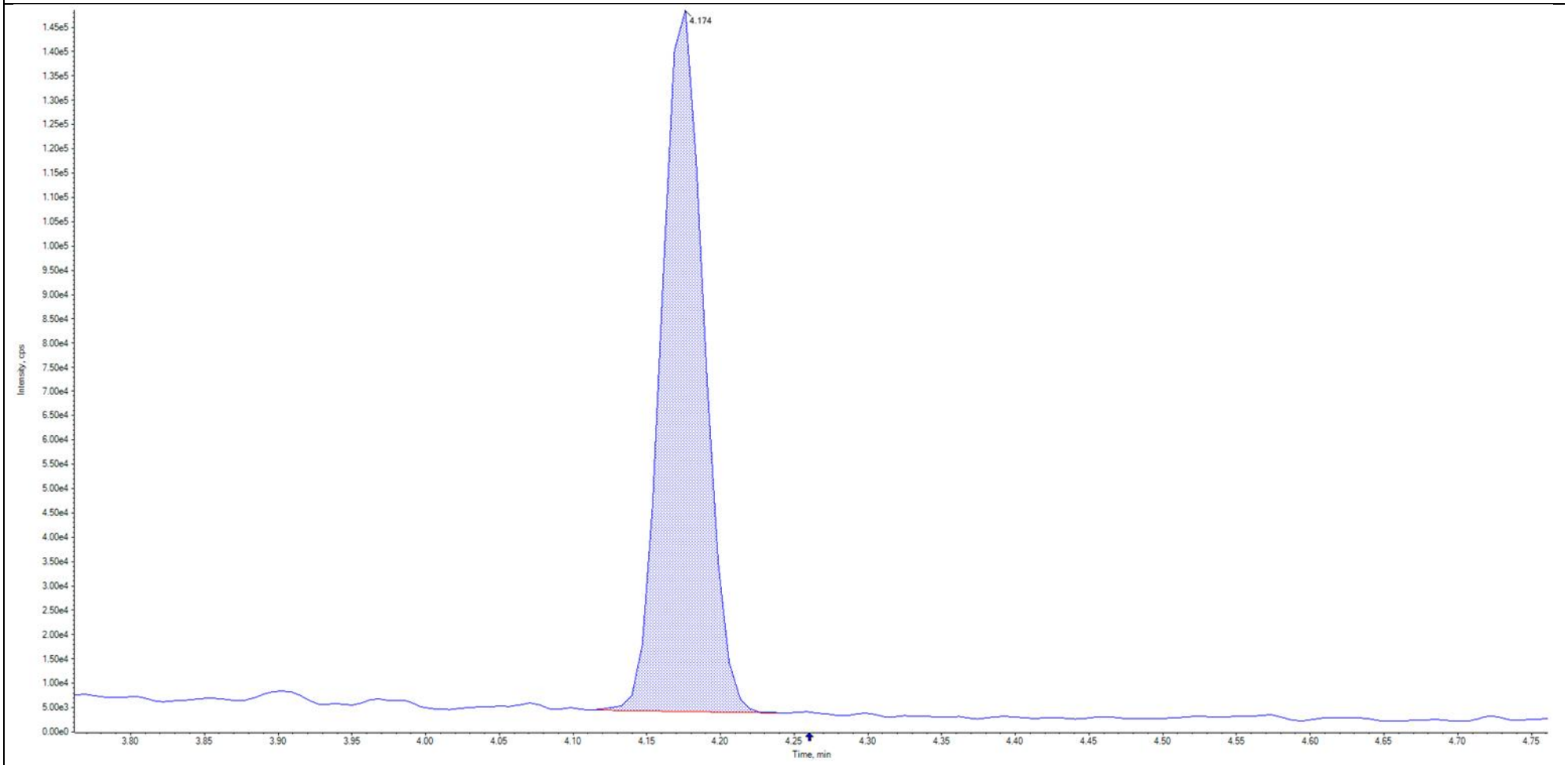
13C2-PFDA
Sample: WG2011107-5



18O2-PFHxS
Sample: WG2011107-5



13C4-PFOS
Sample: WG2011107-5



Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241219\SCI05_241219_89.wiff2_12
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Generated: 12/19/2024 2:27:31 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/20/2024 8:52:45 AM
Generated: 12/20/2024 6:09:50 AM

Method: EPA1633F.qmethod
Calibration: 241115_EPA1633_ICAL

ID: WG2011107-5D,,10
Name: SCI05_241220_12.wiff2
Date & Time: 2024-12-20T06:57:03
Description: WG2011618,WG2011107,ICAL21712
Instrument: SCIEX Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.67	213.0 / 169.0	152075	M4	1.233	N/A	N/A	N/A	123.3
4	PFHxA	307-24-4	2.21	313.0 / 269.0	60325		0.316	0.079	0.089	Pass	126.5
5	PFHxA_2	307-24-4	2.21	313.0 / 119.0	4791		0.340	0.079	0.089	Pass	136.1
6	PFHpA	375-85-9	2.85	363.1 / 319.0	71522		0.258	0.325	0.332	Pass	103.2
7	PFHpA_2	375-85-9	2.85	363.1 / 169.0	23260		0.262	0.325	0.332	Pass	104.6
72	PFMPA	377-73-1	0.86	229.0 / 85.0	98041		0.593	N/A	N/A	N/A	118.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.67	217.0 / 172.0	146285		0.538	NA	NA	NA	53.8
	13C5-PFPeA	EIS	1.40	268.0 / 223.0	74533		0.268	NA	NA	NA	53.5
	13C5-PFHxA	EIS	2.21	318.0 / 273.0	31122		0.130	NA	NA	NA	52.0
	13C4-PFHpA	EIS	2.84	367.0 / 322.0	29115		0.177	NA	NA	NA	70.8
	13C8-PFOA	EIS	3.27	420.8 / 376.0	74731		0.125	NA	NA	NA	49.8
	13C9-PFNA	EIS	3.66	472.0 / 427.0	29799		0.077	NA	NA	NA	61.8
	13C6-PFDA	EIS	4.04	519.0 / 474.0	27708		0.074	NA	NA	NA	59.2
	13C7-PFUnA	EIS	4.41	570.0 / 525.0	21880		0.068	NA	NA	NA	54.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.78	615.1 / 570.0	15010		0.056	NA	NA	NA	44.6
	13C2-PFTeDA	EIS	5.50	715.1 / 670.1	12279		0.051	NA	NA	NA	40.8
	13C3-PFBS	EIS	2.19	302.1 / 80.1	30613		0.140	NA	NA	NA	59.9
	13C3-PFHxS	EIS	3.36	402.1 / 80.1	27310		0.144	NA	NA	NA	60.7
	13C8-PFOS	EIS	4.17	507.1 / 80.1	28494		0.149	NA	NA	NA	61.9
	13C2-4:2FTS	EIS	1.99	329.1 / 81.1	18851		0.518	NA	NA	NA	110.5
	13C2-6:2FTS	EIS	3.11	429.2 / 81.1	17363		0.517	NA	NA	NA	108.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-8:2FTS	EIS	3.87	529.2 / 81.1	8773		0.290	NA	NA	NA	60.5
	13C8-PFOSA	EIS	5.26	506.1 / 78.1	44011		0.144	NA	NA	NA	57.6
	d3-NMeFOSA	EIS	5.97	515.2 / 219.0	4725		0.105	NA	NA	NA	42.1
	d5-NEtFOSA	EIS	6.25	531.2 / 219.0	4450		0.106	NA	NA	NA	42.5
	d3-NMeFOSAA	EIS	4.13	573.2 / 419.1	20739		0.439	NA	NA	NA	87.7
	d5-NEtFOSAA	EIS	4.33	589.3 / 419.1	8678		0.191	NA	NA	NA	38.2
	d7-NMeFOSE	EIS	5.83	623.2 / 58.9	46116		0.868	NA	NA	NA	34.7
	d9-NEtFOSE	EIS	6.11	639.2 / 58.9	69296		0.900	NA	NA	NA	36.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.46	287.0 / 169.0	105634		0.605	NA	NA	NA	60.5
	13C3-PFBA	NIS	0.67	216.0 / 172.0	1209650		6.115	NA	NA	NA	122.3
	13C2-PFHxA	NIS	2.20	315.0 / 270.0	837209		3.185	NA	NA	NA	127.4
	13C4-PFOA	NIS	3.27	417.0 / 372.0	590922		3.410	NA	NA	NA	136.4
	13C5-PFNA	NIS	3.66	468.0 / 423.0	435503		1.400	NA	NA	NA	112.0
	13C2-PFDA	NIS	4.03	515.1 / 470.1	435226		1.374	NA	NA	NA	109.9
	18O2-PFHxS	NIS	3.36	403.1 / 84.1	384849		2.723	NA	NA	NA	114.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFOS	NIS	4.17	503.1 / 80.1	332867		2.689	NA	NA	NA	112.0

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241220\SCI05_241220_12.wiff2_8
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PFBA
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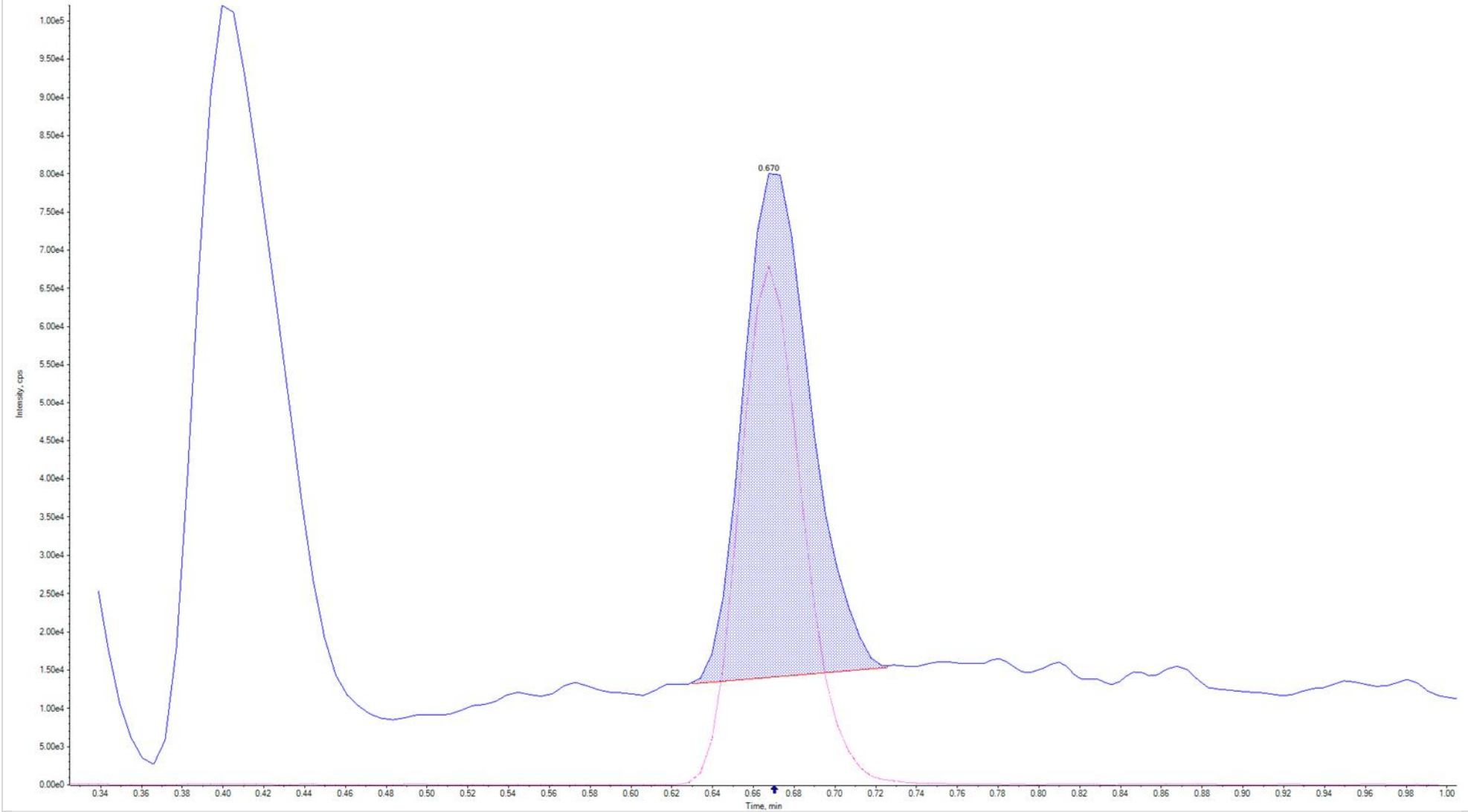

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFHxA
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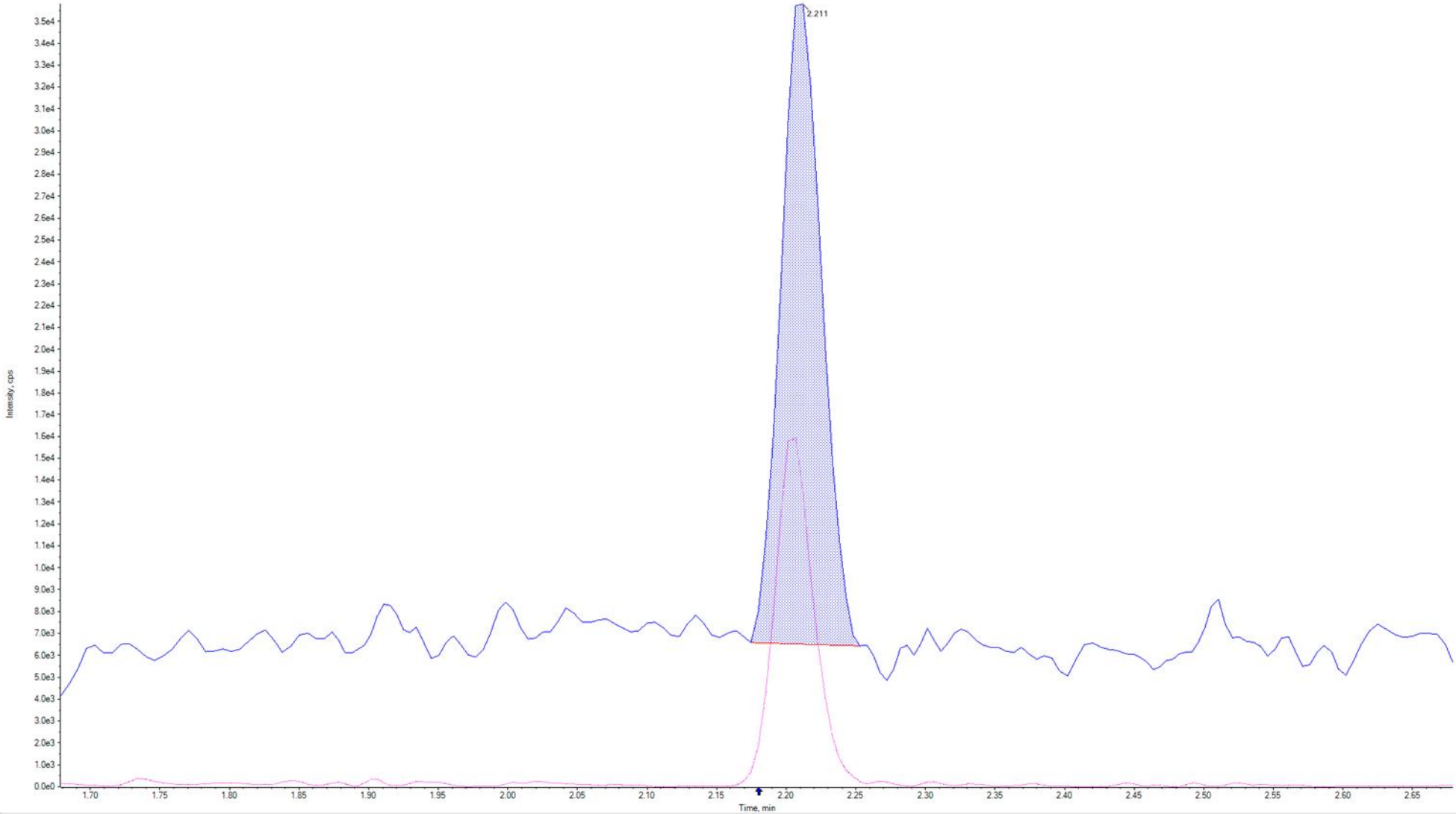

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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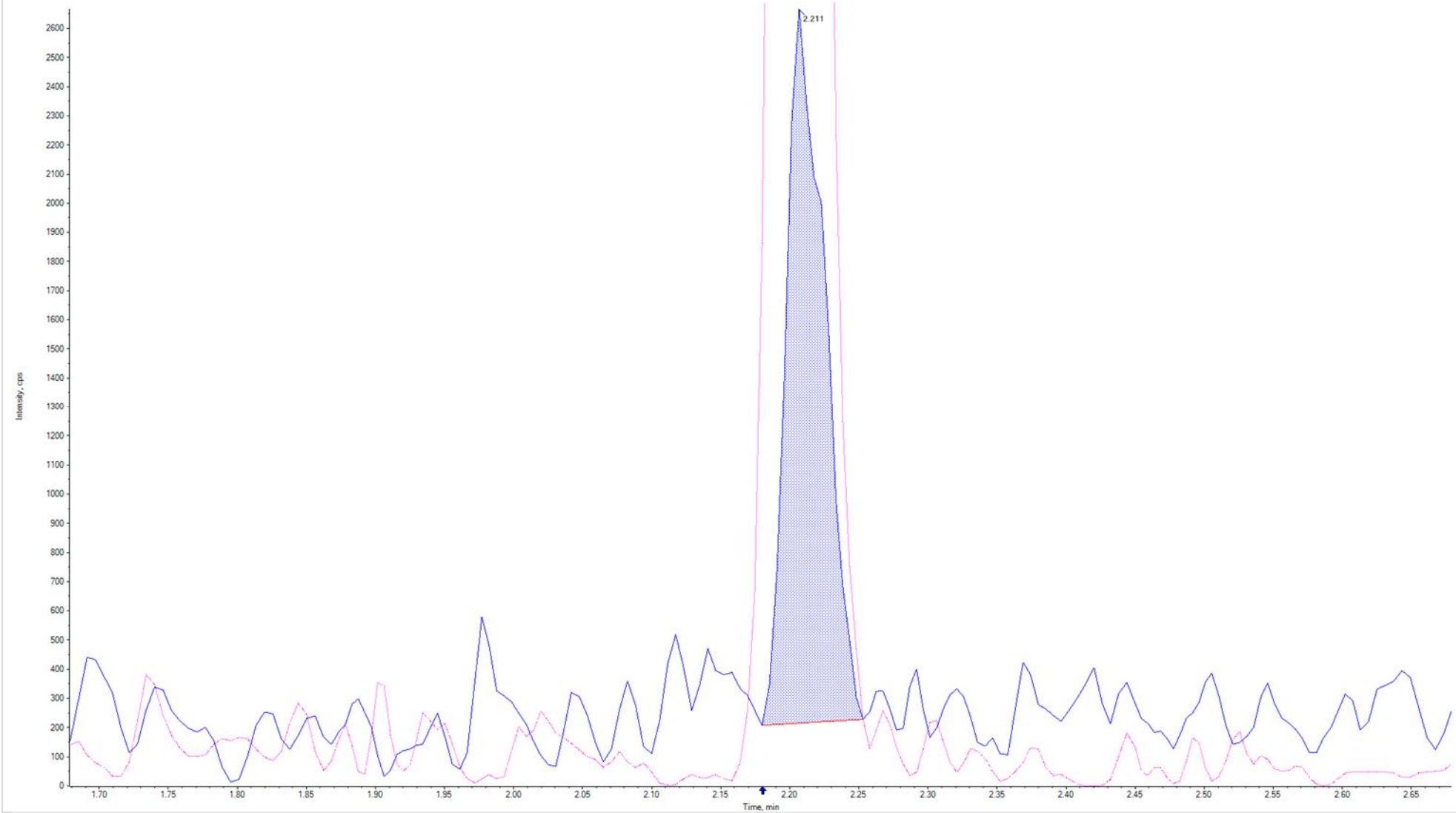
PFHxA_2
Sample: WG2011107-5D,,10 S/N:61.4 Points Across peak:15



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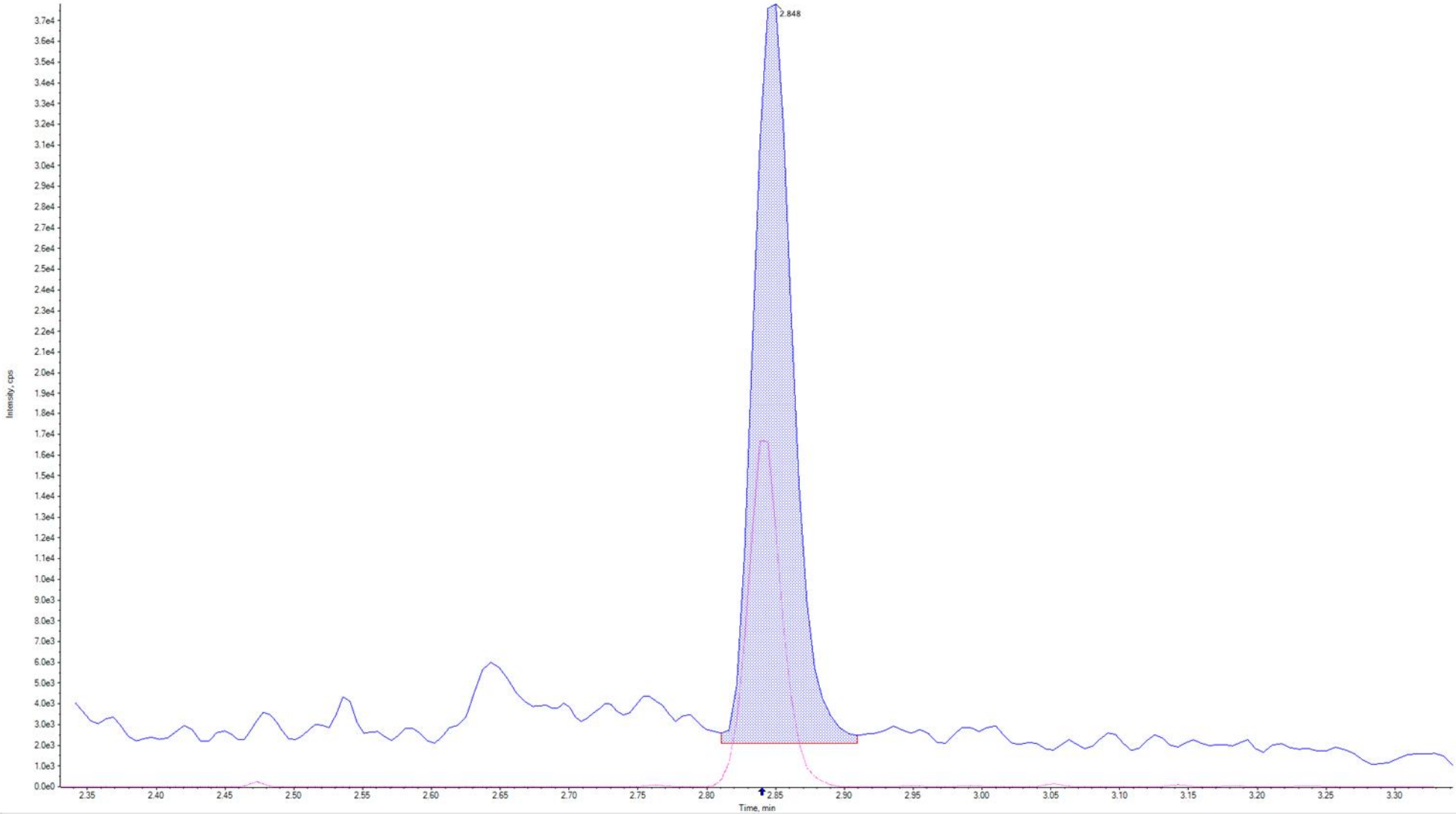

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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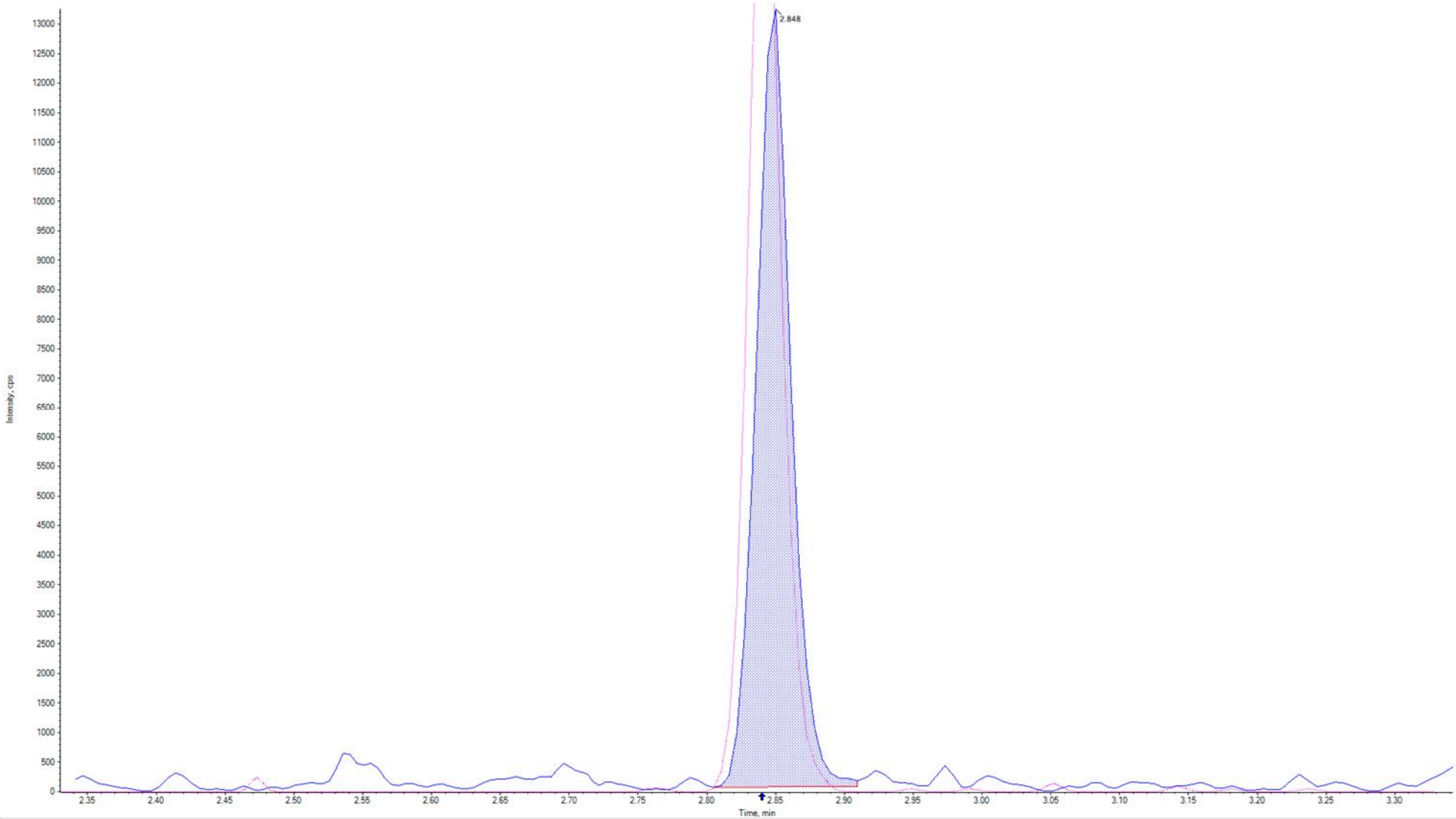
PFHpA_2
Sample: WG2011107-5D,,10 S/N:264.1 Points Across peak:19



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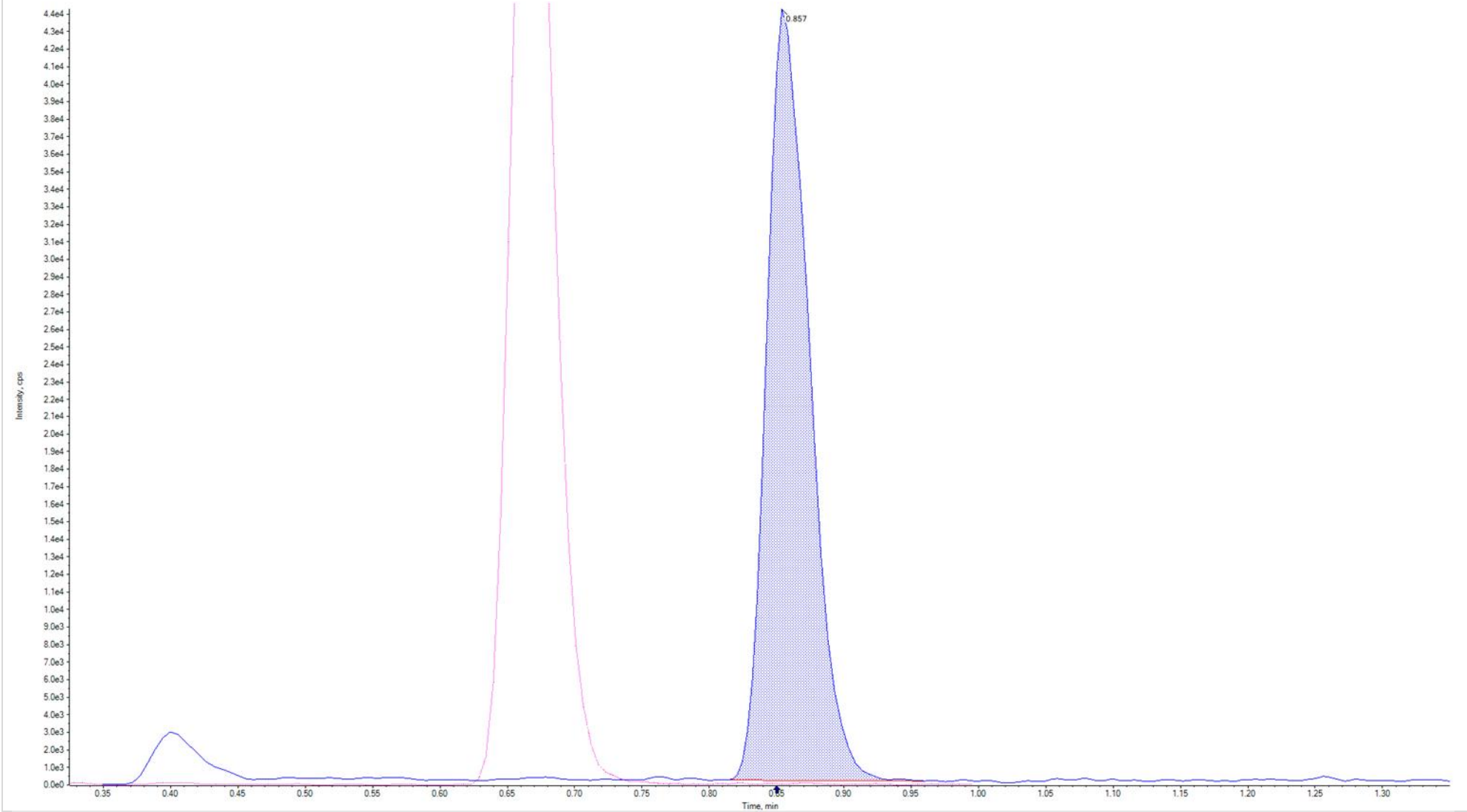

13C4-PFBA
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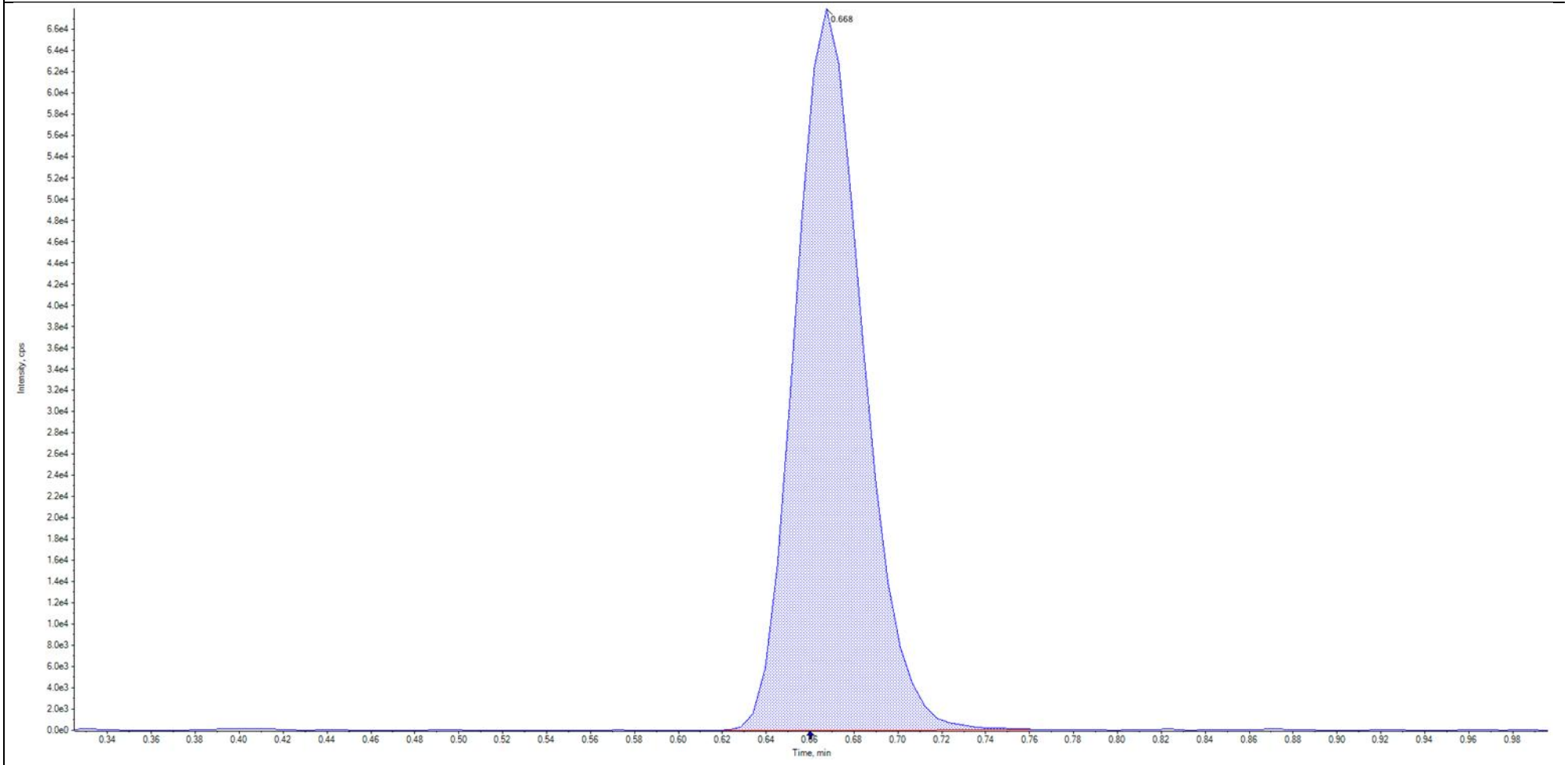

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13C5-PFPeA
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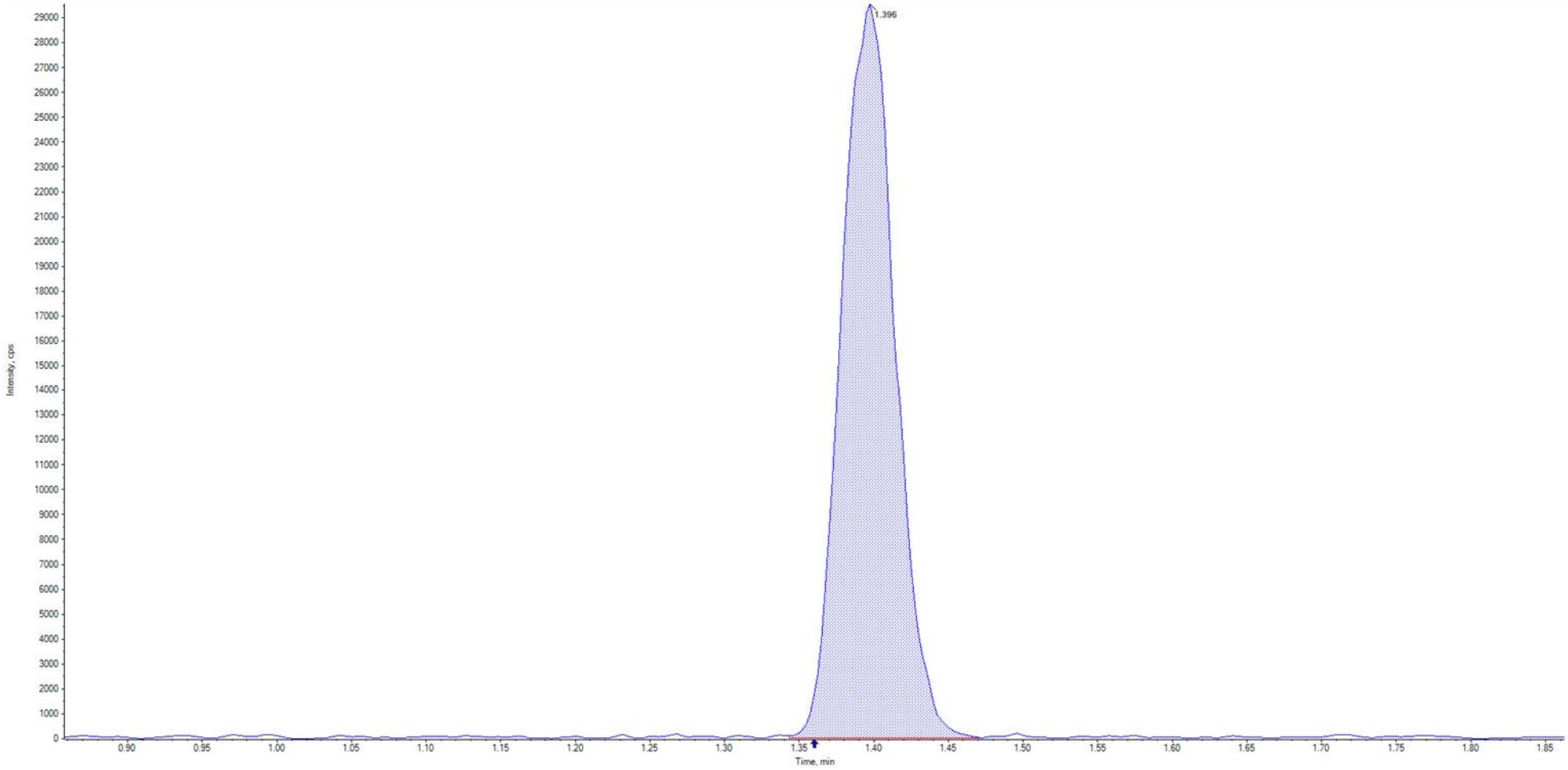

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13C5-PFHxA
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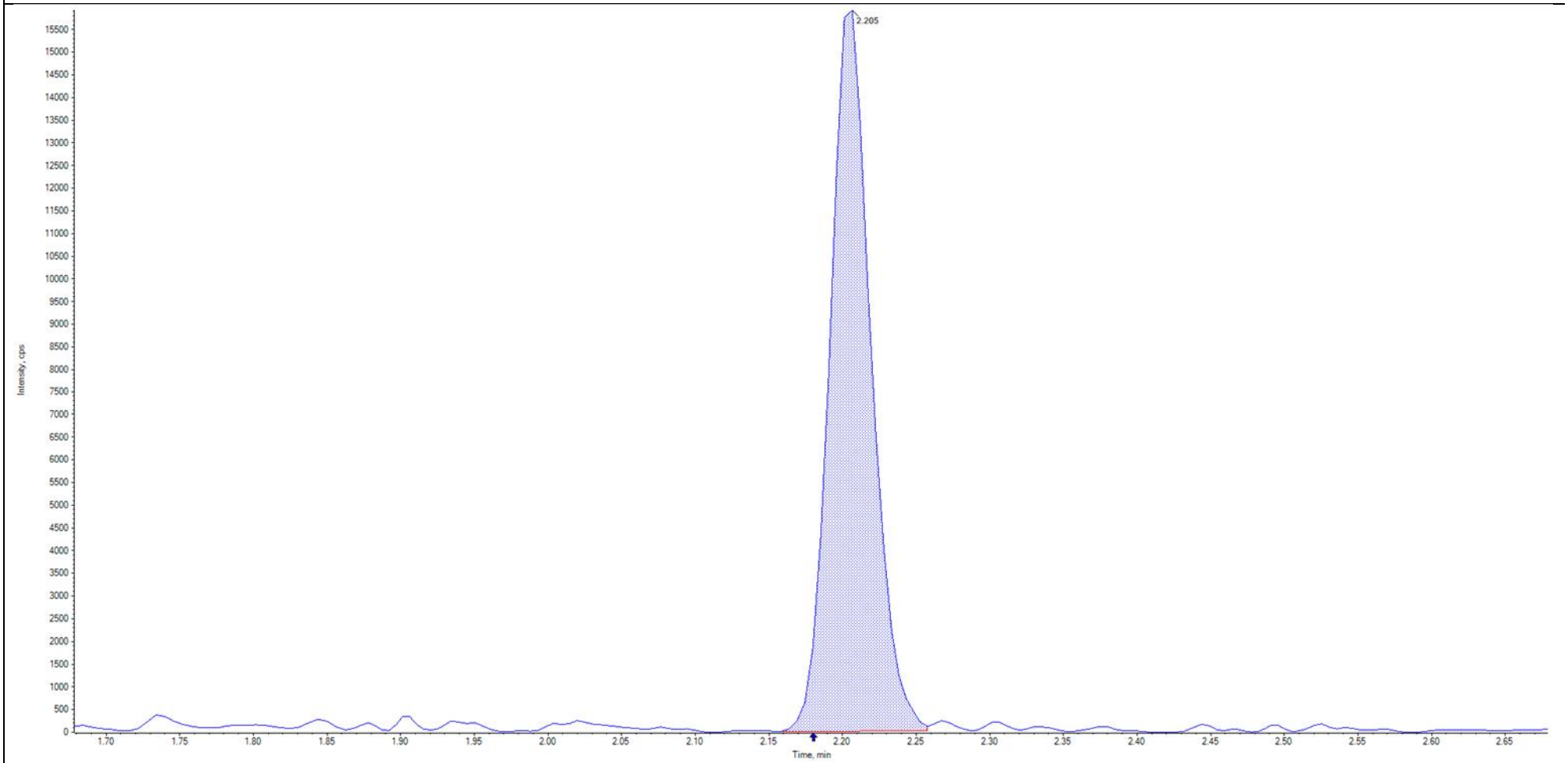

13C4-PFHpA
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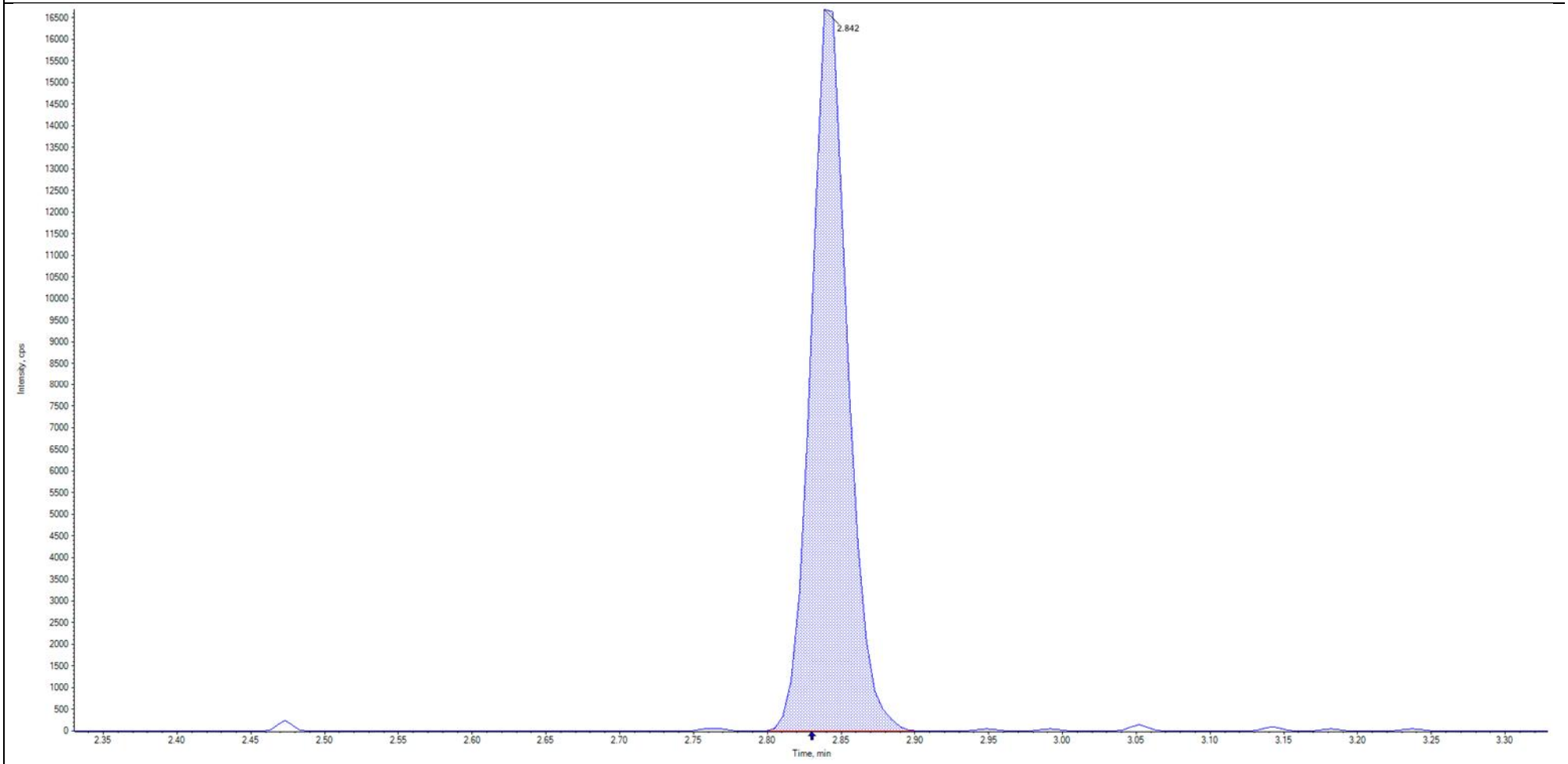

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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13C8-PFOA
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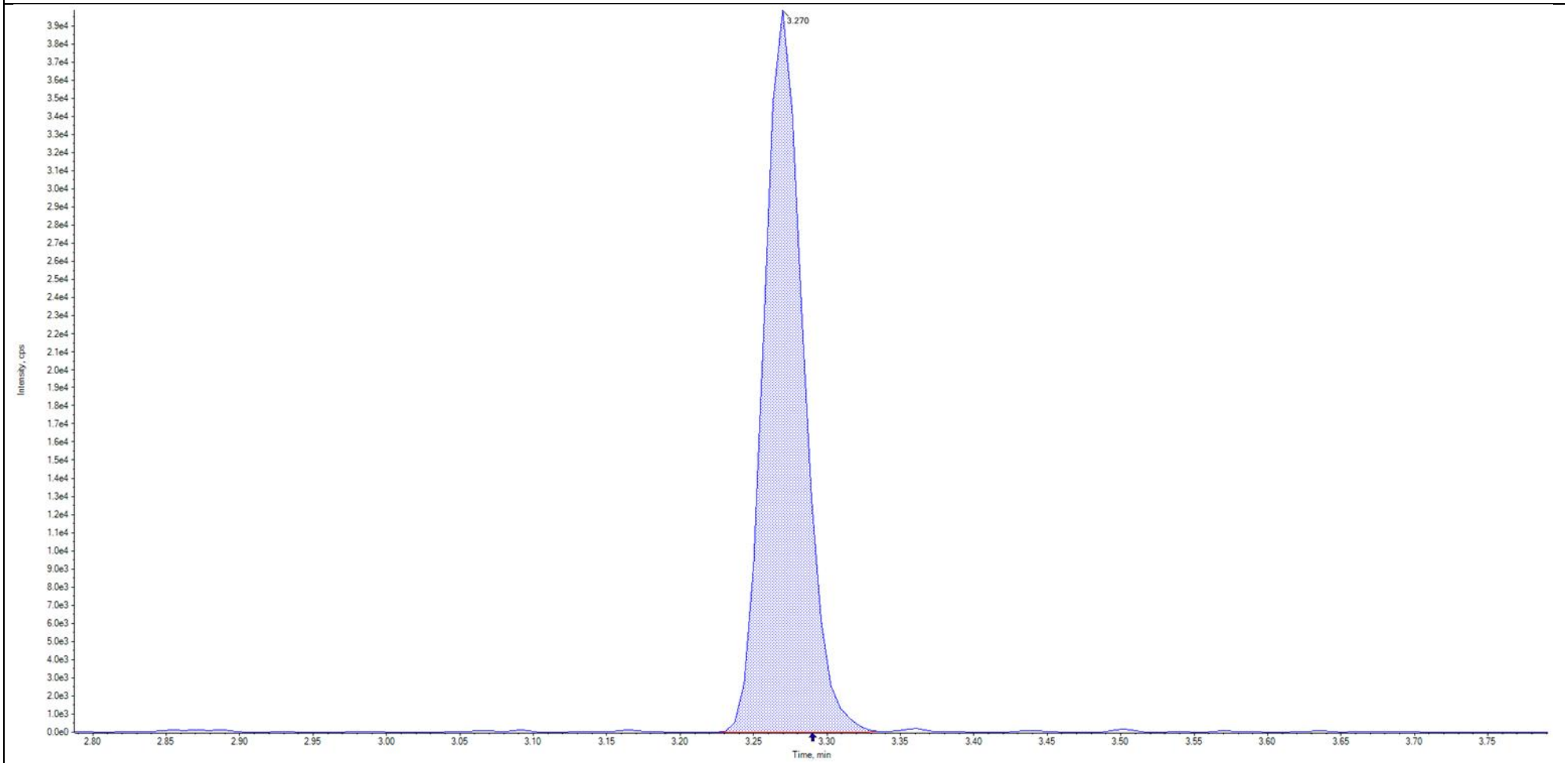

13C9-PFNA
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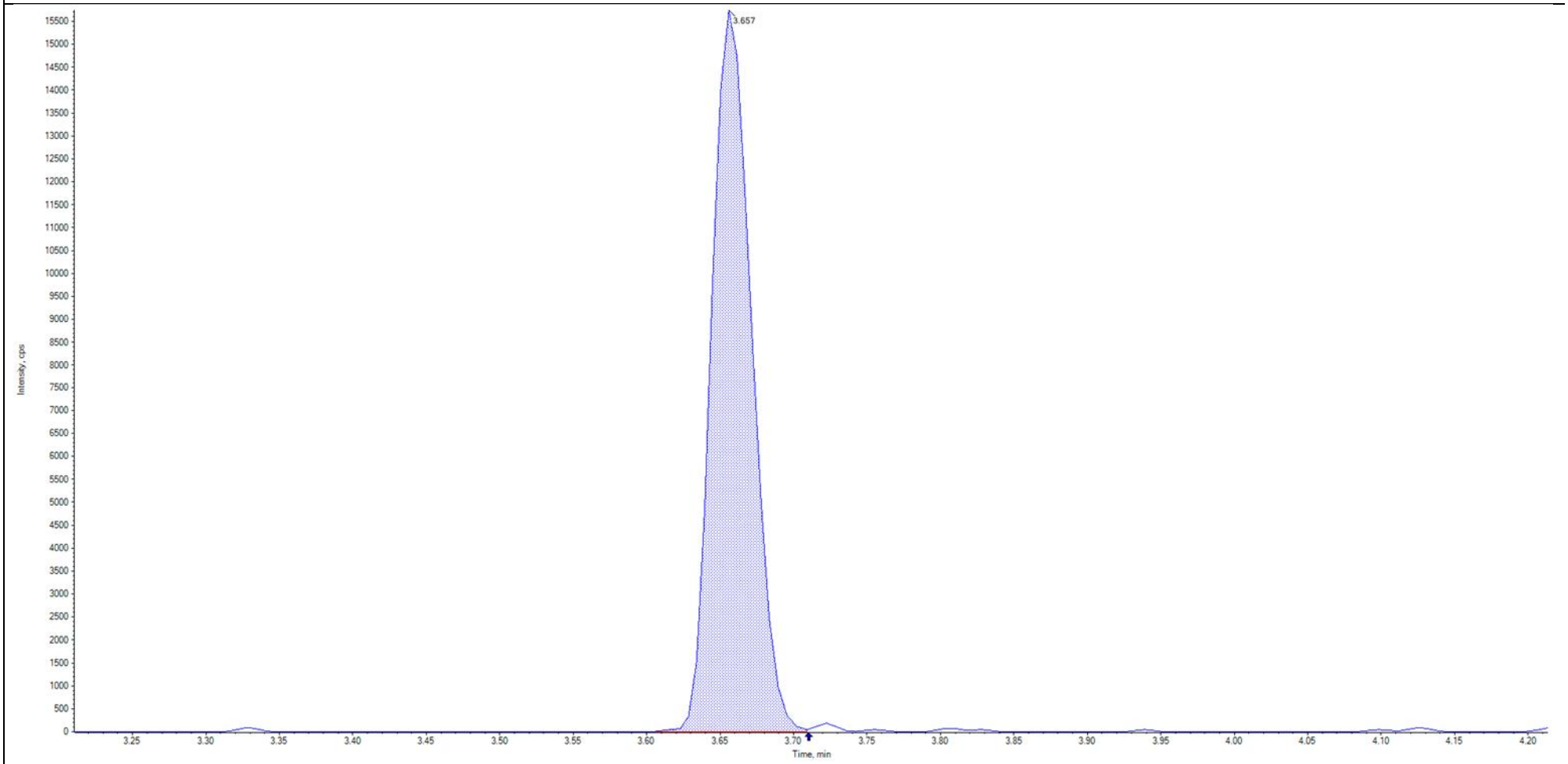

13C6-PFDA
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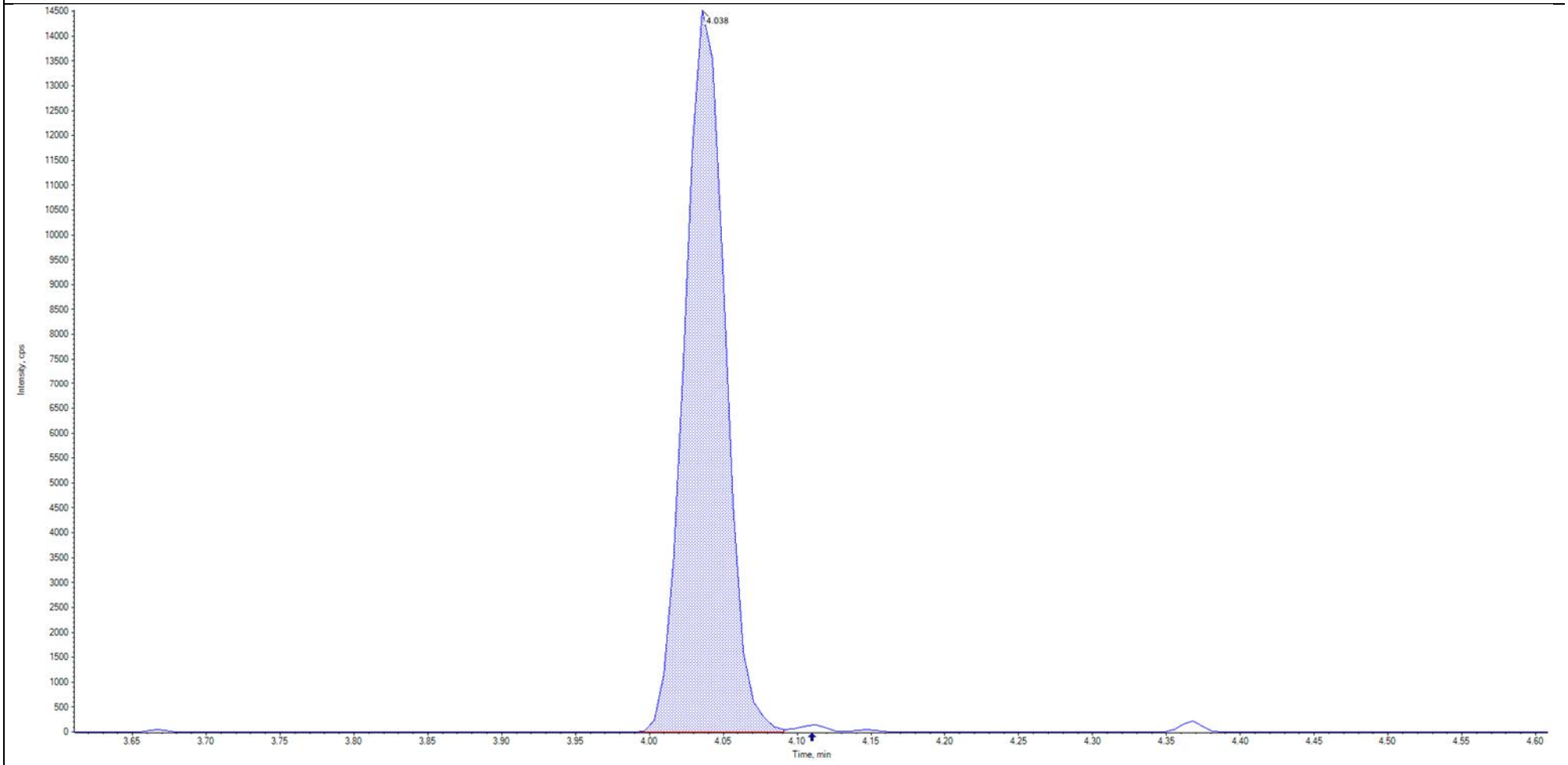

13C7-PFUnA
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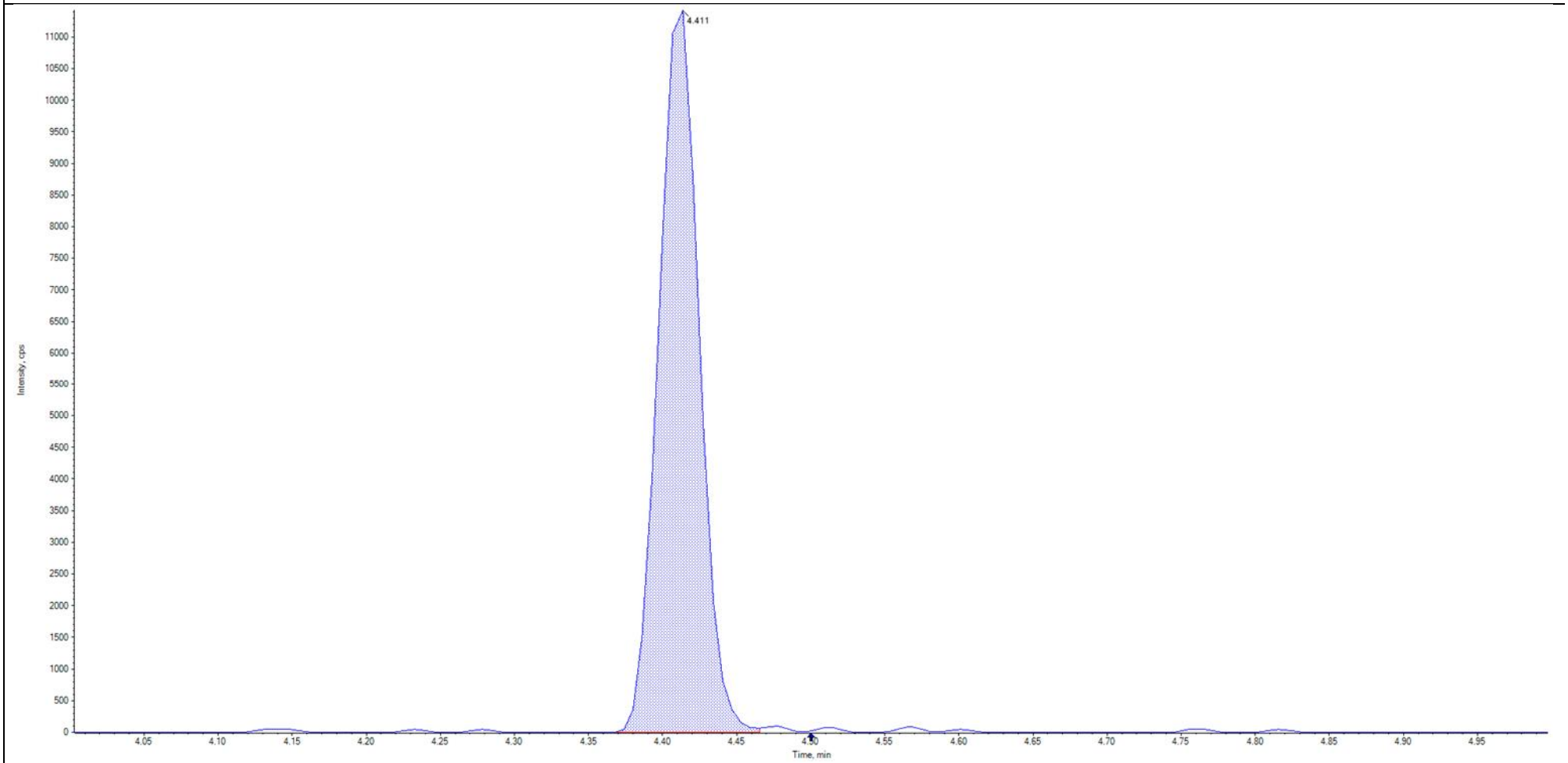

13C2-PFDoA
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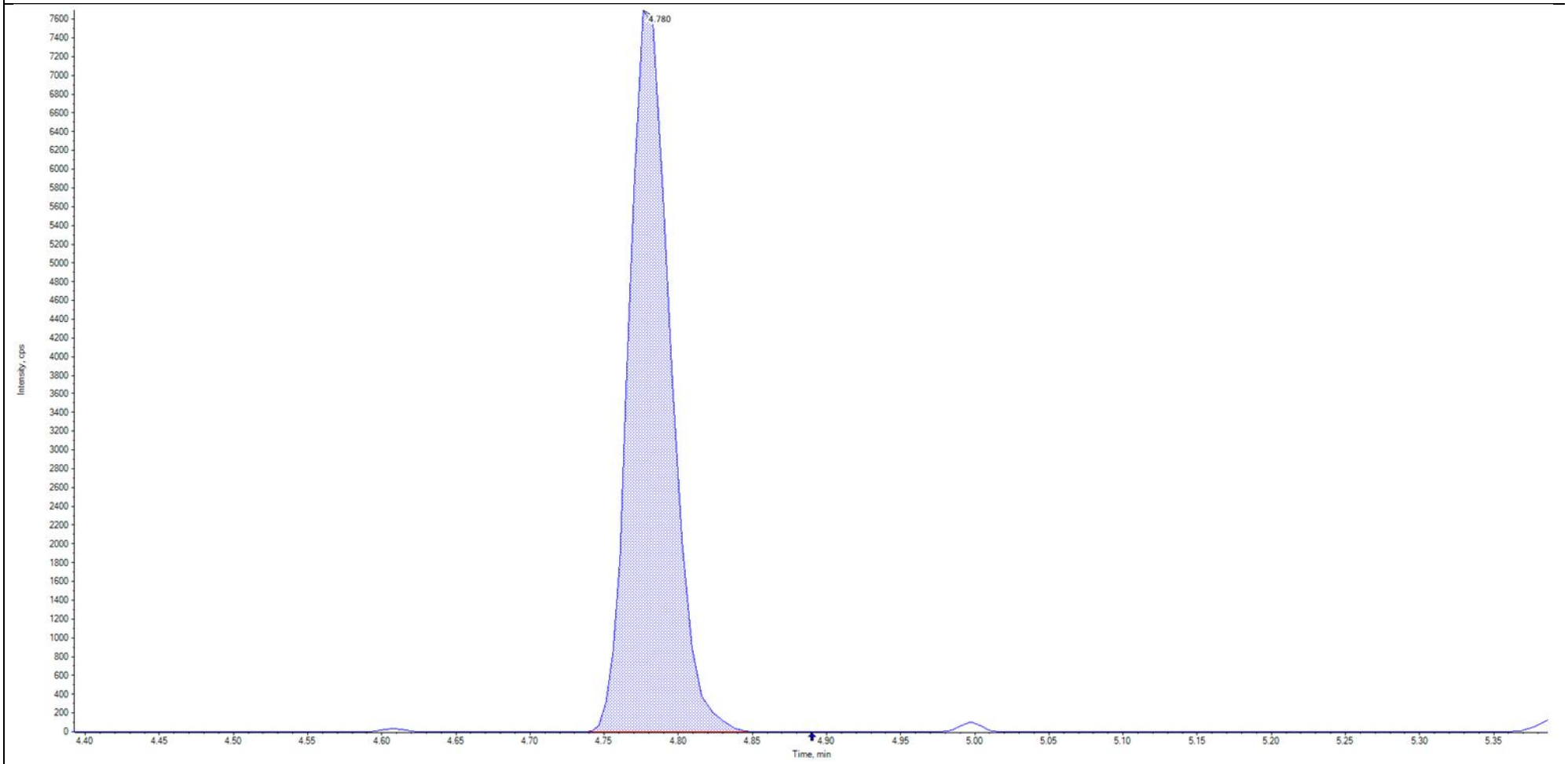

13C2-PFTeDA
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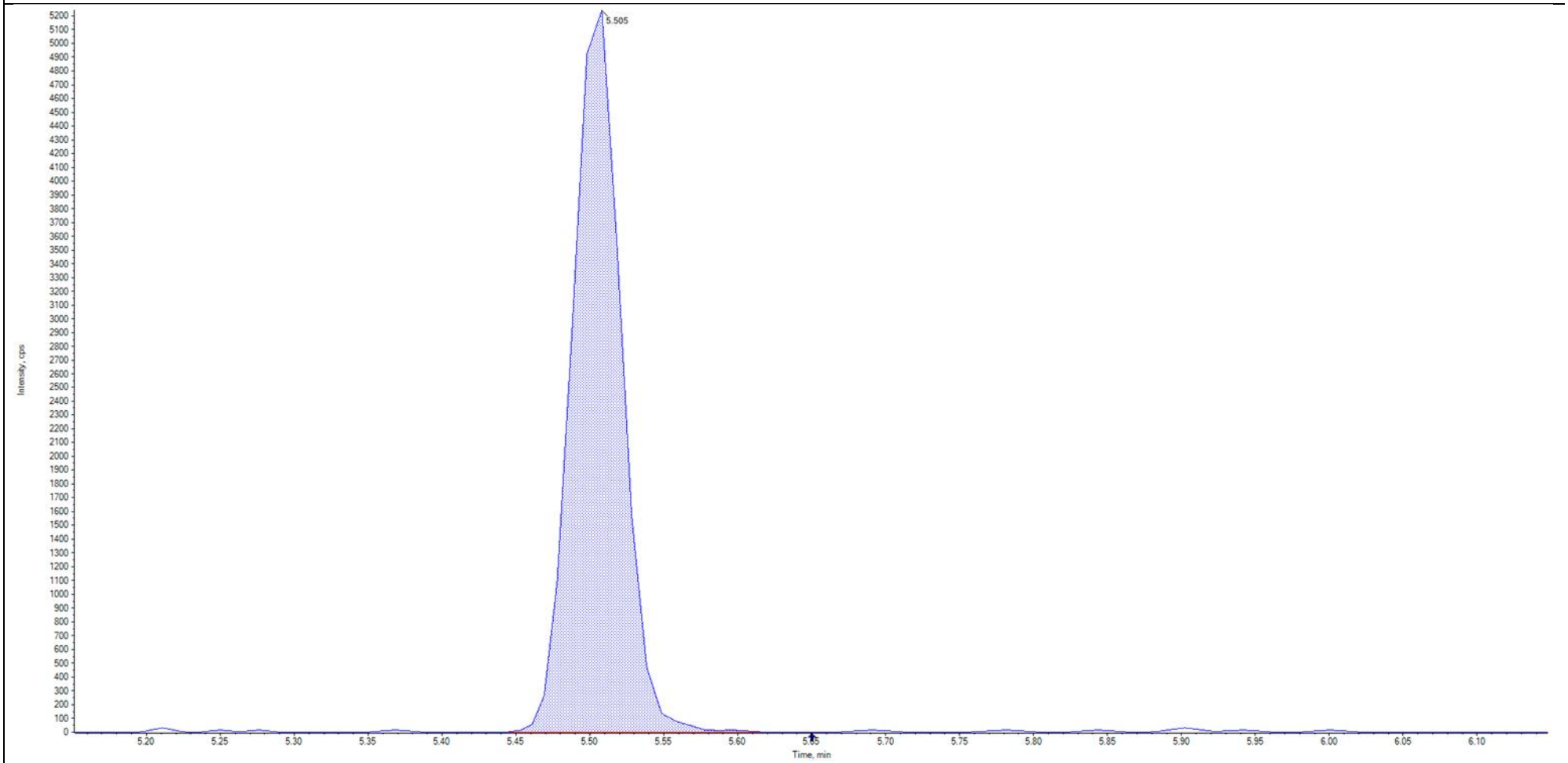

13C3-PFBS
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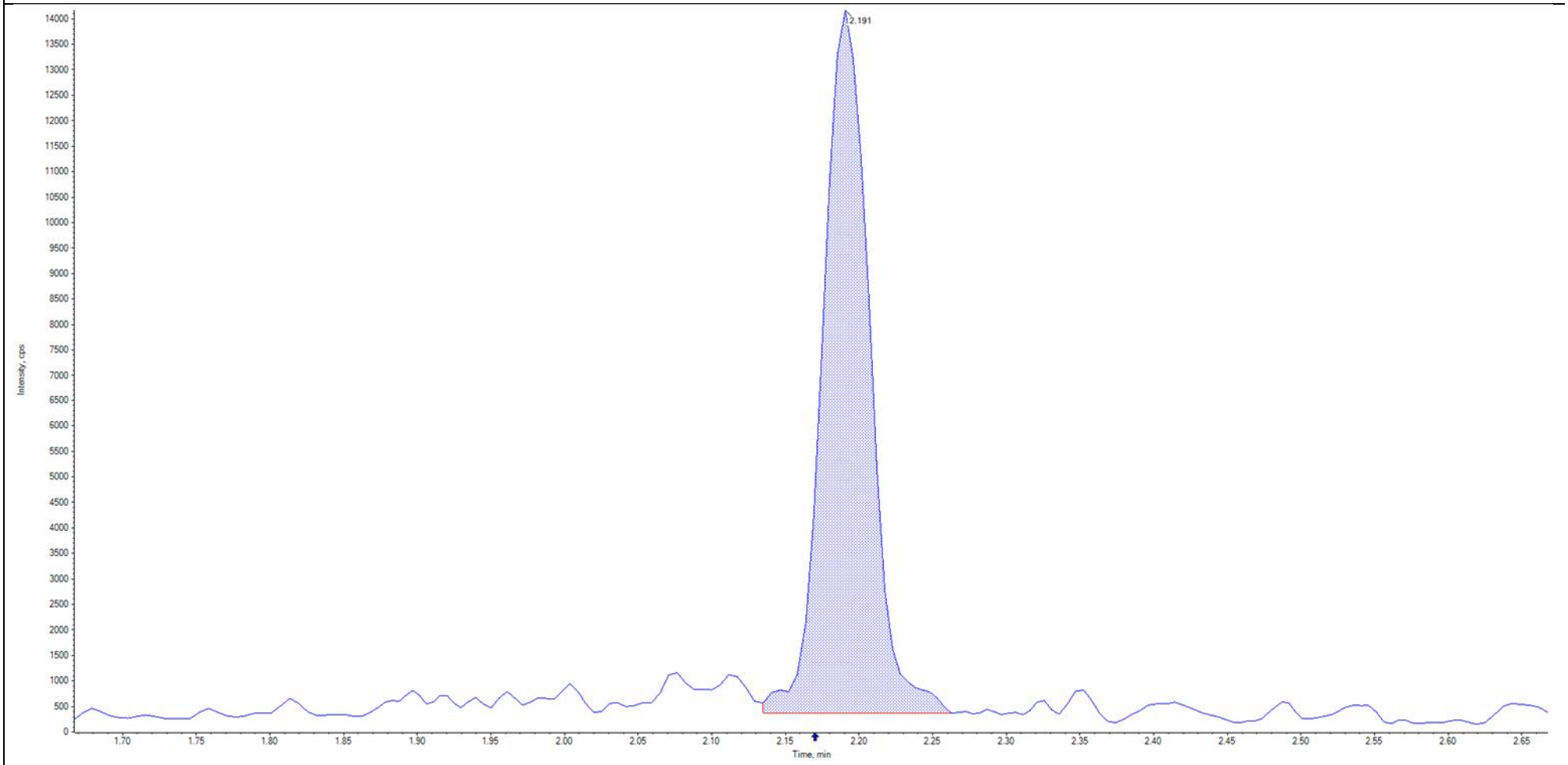

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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13C3-PFHxS
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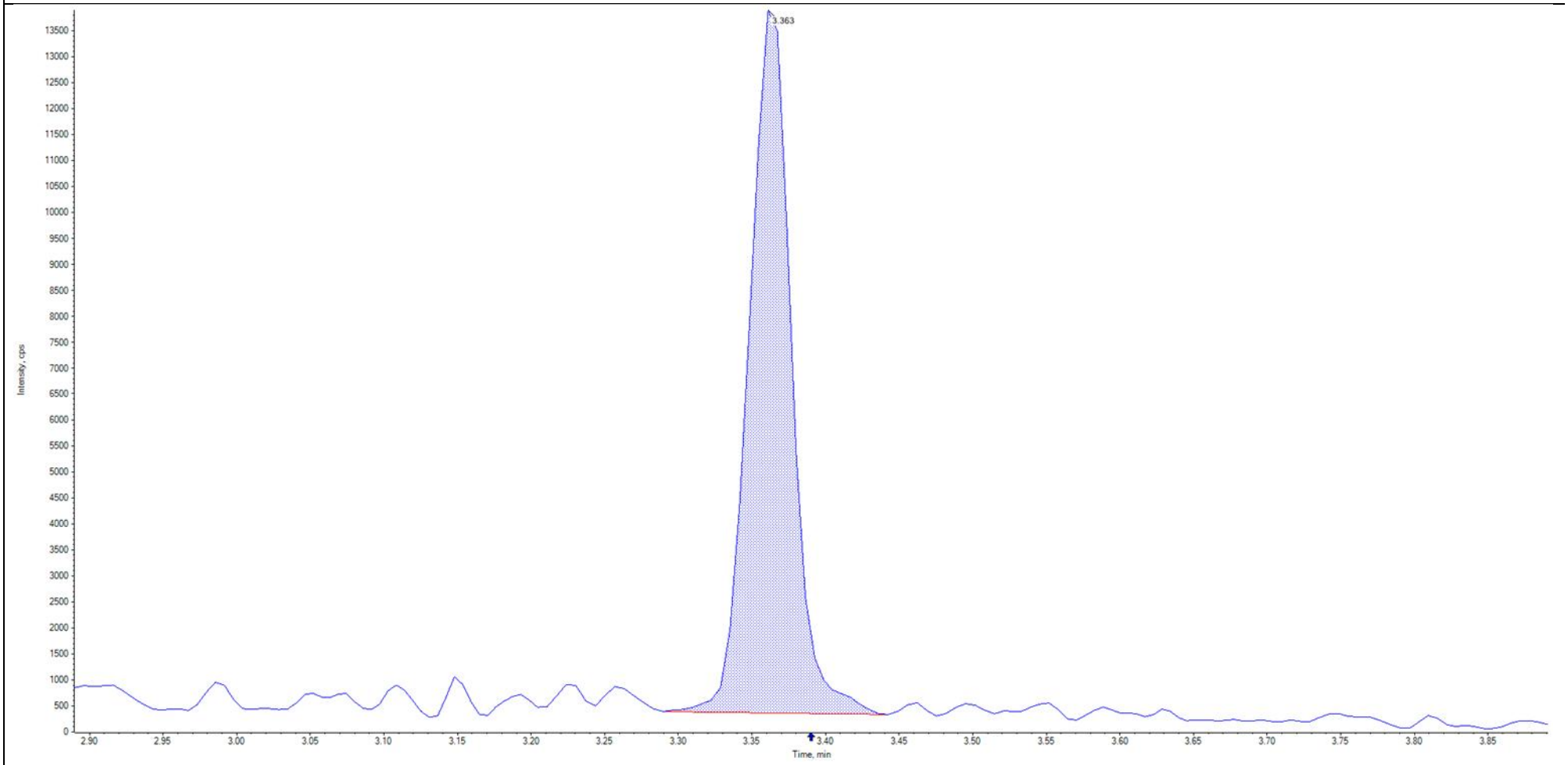

13C8-PFOS
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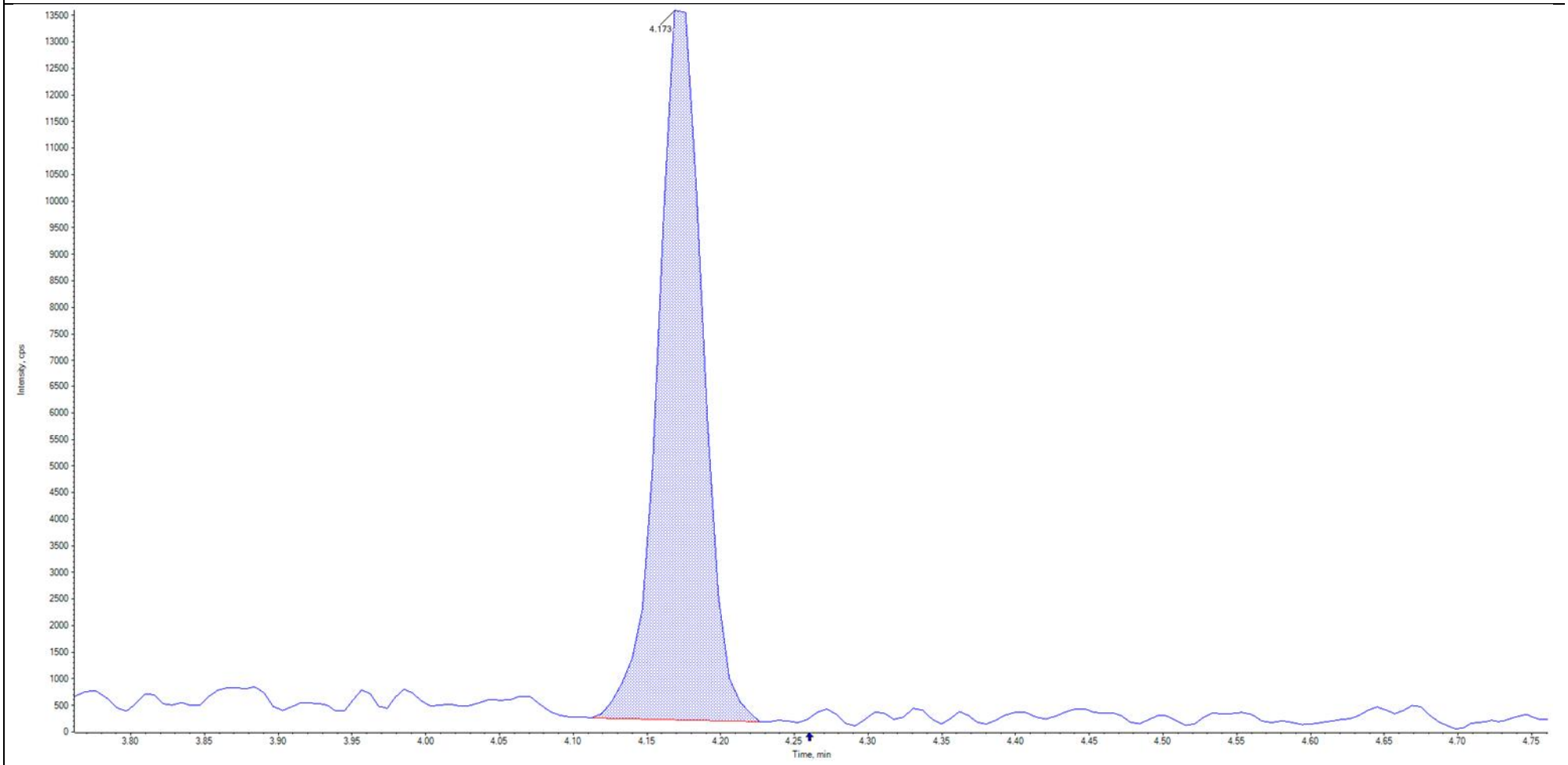

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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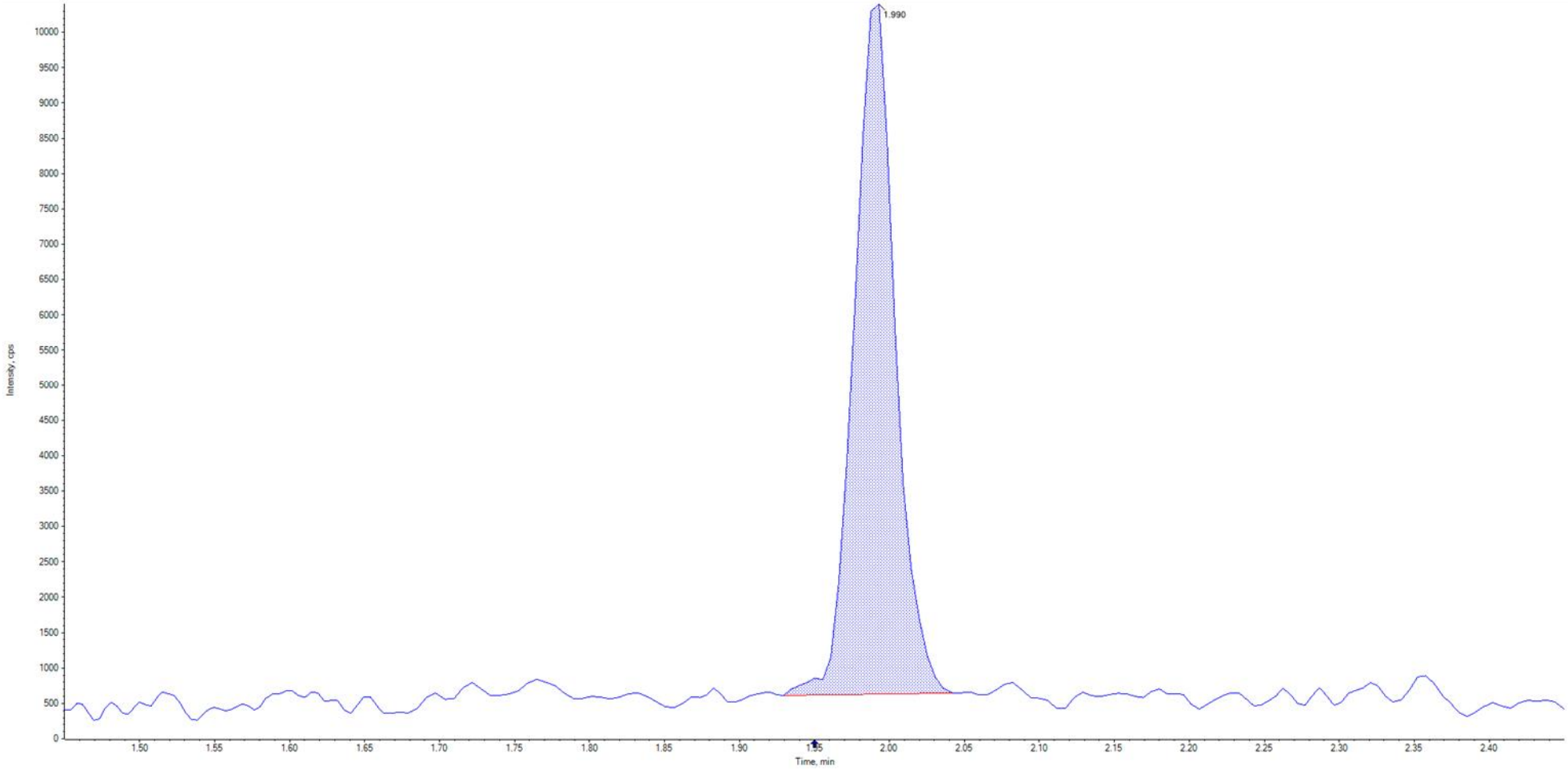
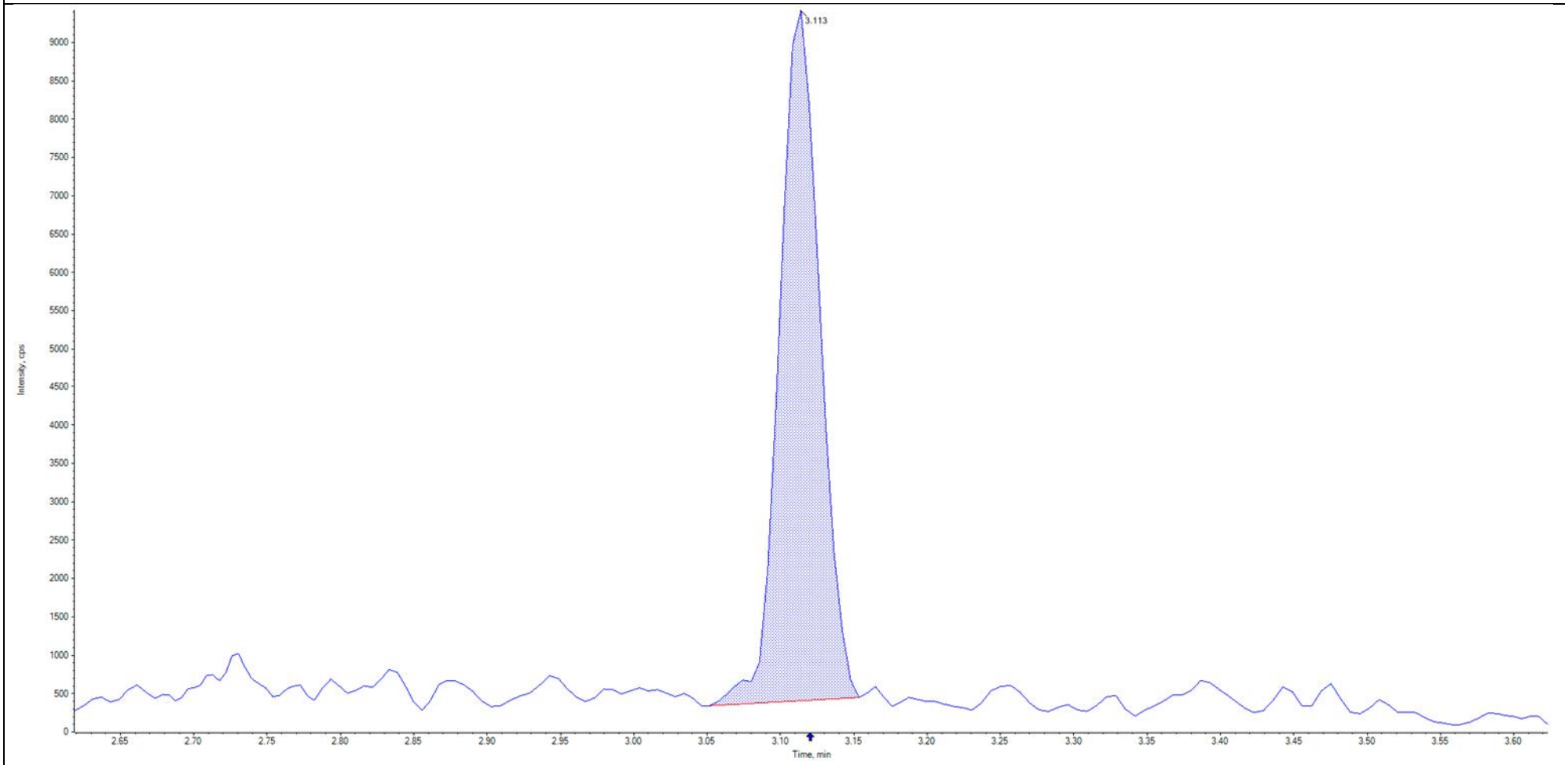
13C2-4:2FTS
Sample: WG2011107-5D,,10



13C2-6:2FTS
Sample: WG2011107-5D,,10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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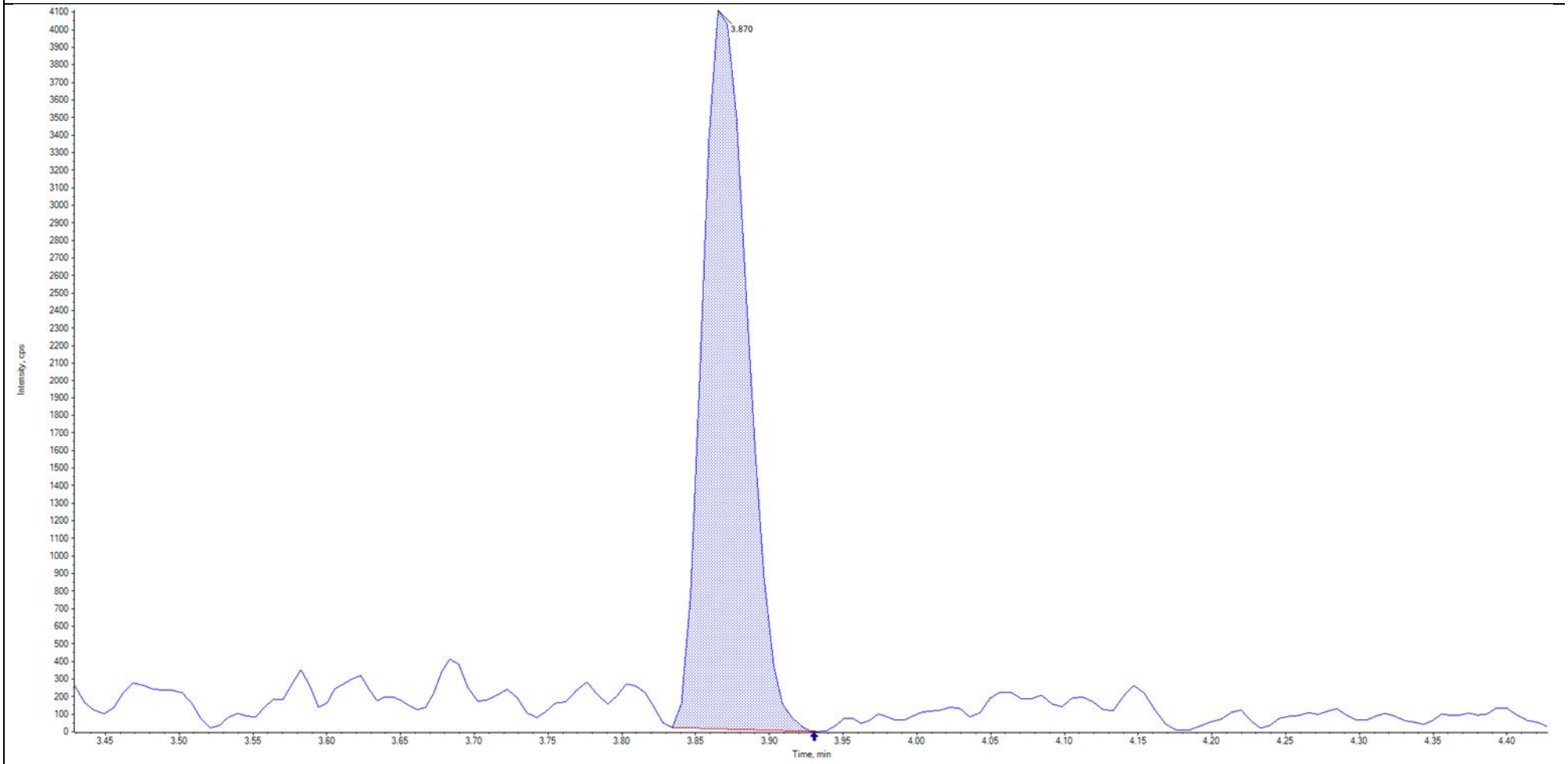
13C2-8:2FTS
Sample: WG2011107-5D,,10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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13C8-PFOSA
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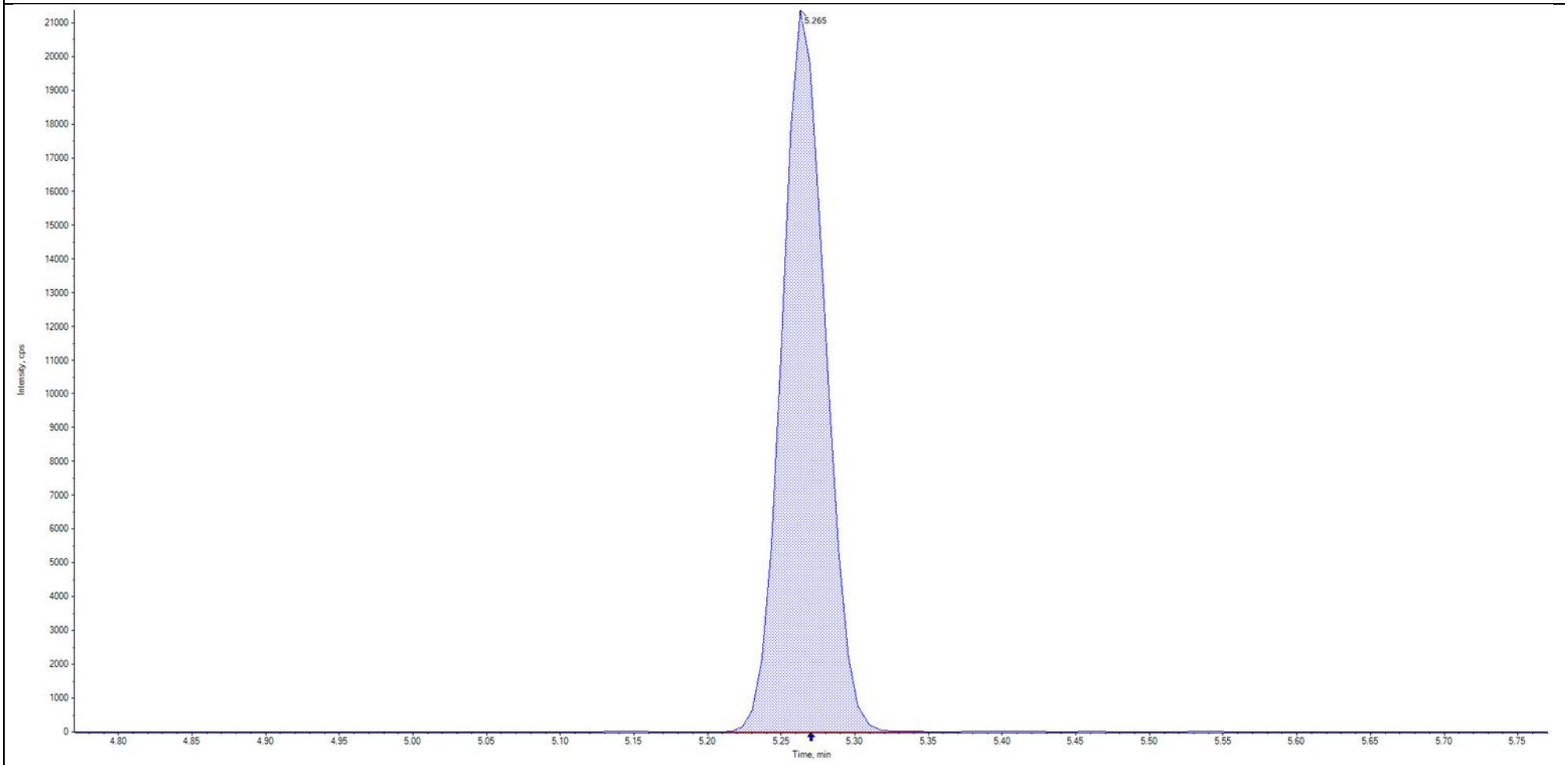
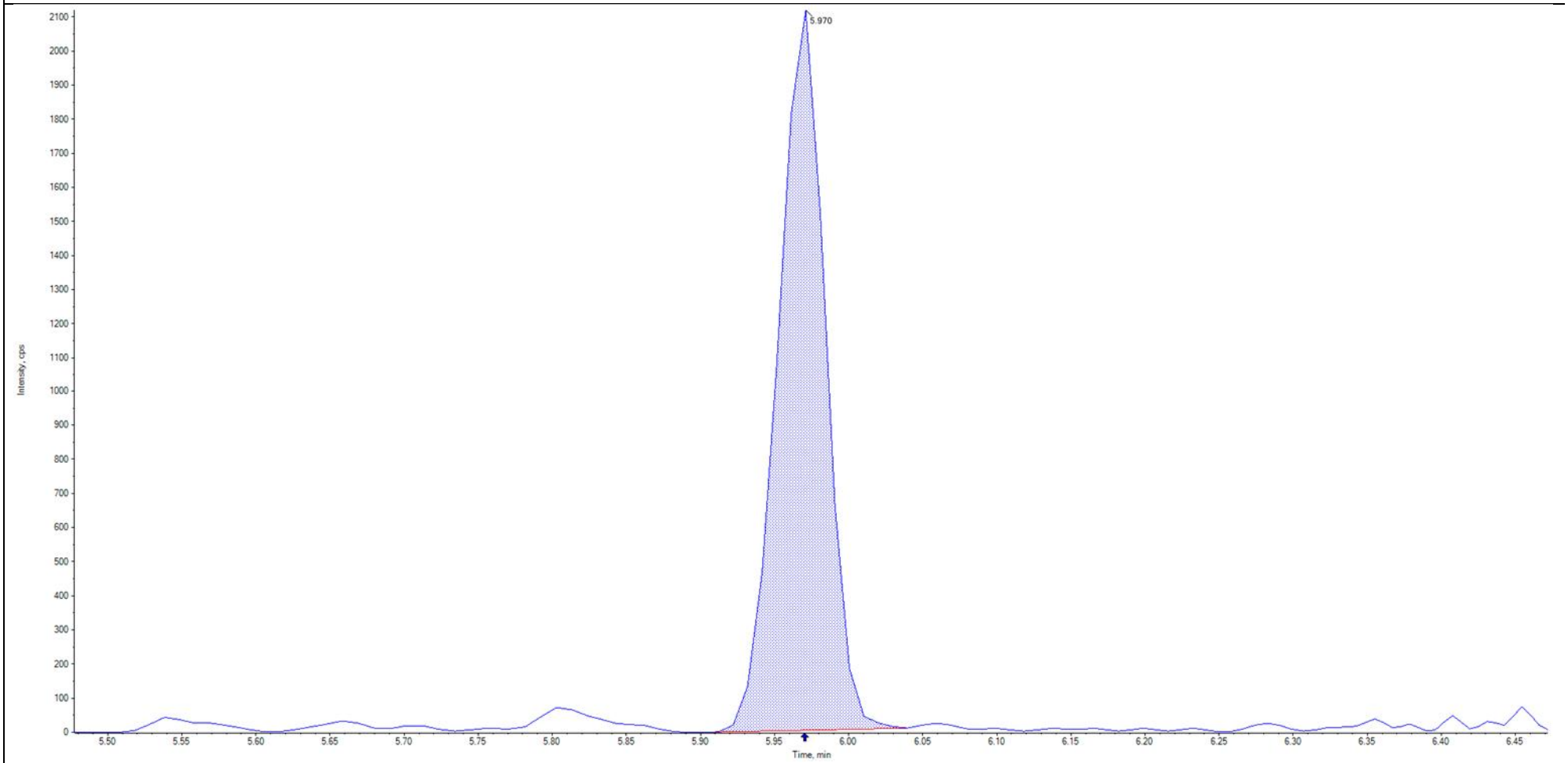
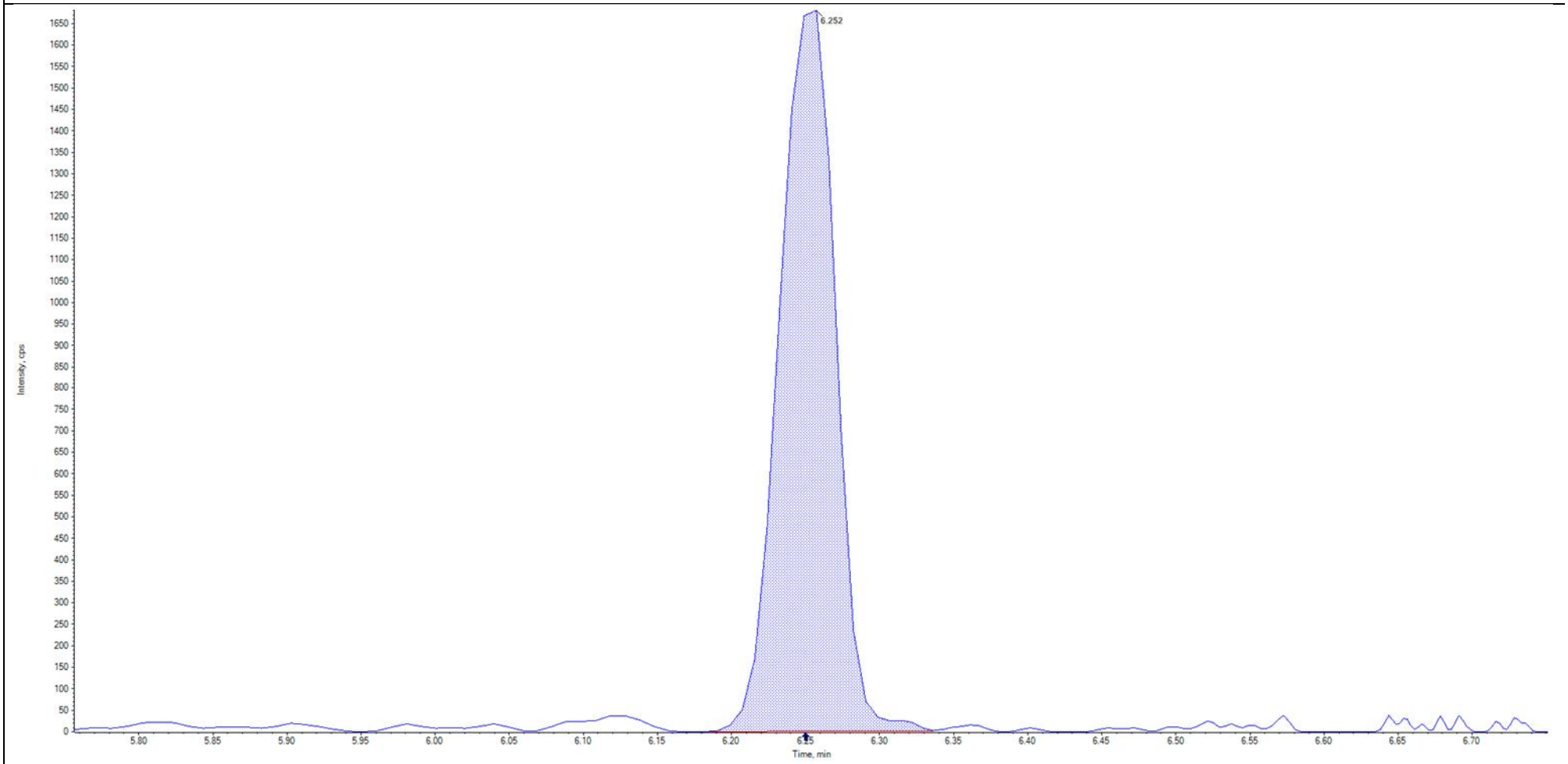


d3-NMeFOSA
Sample: WG2011107-5D,,10



d5-NEtFOSA
Sample: WG2011107-5D,,10



d3-NMeFOSAA
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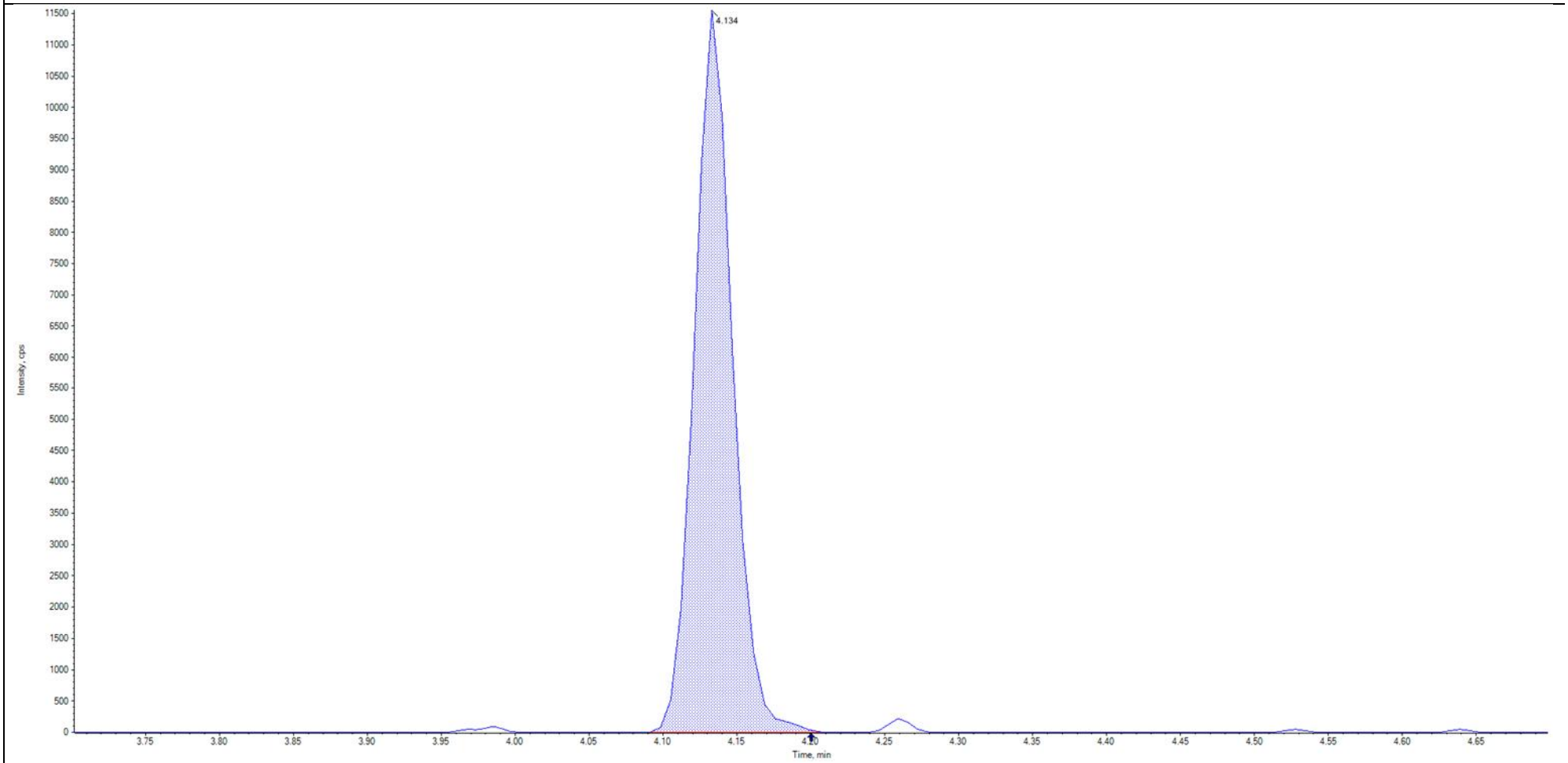

d5-NEtFOSAA
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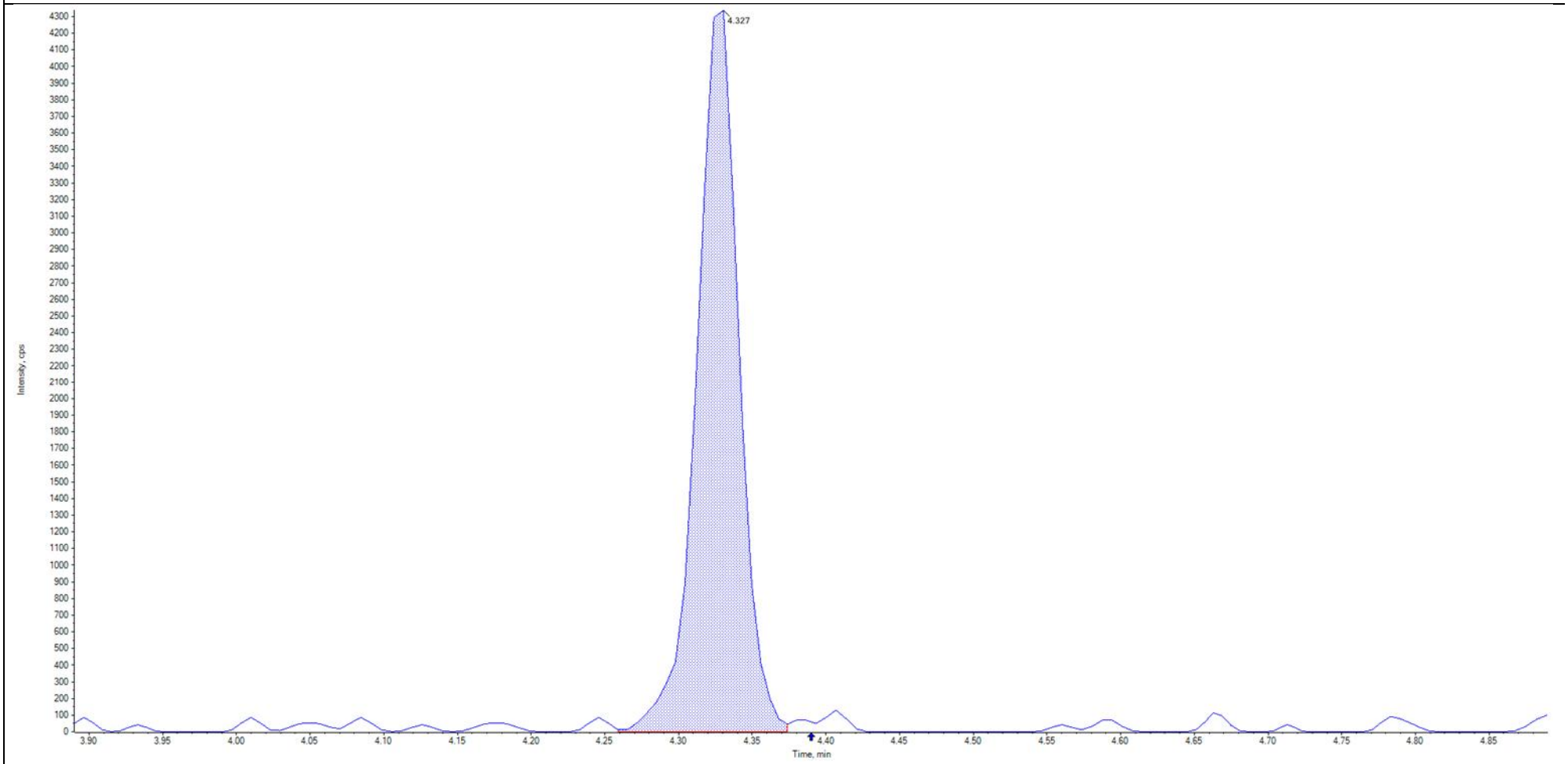
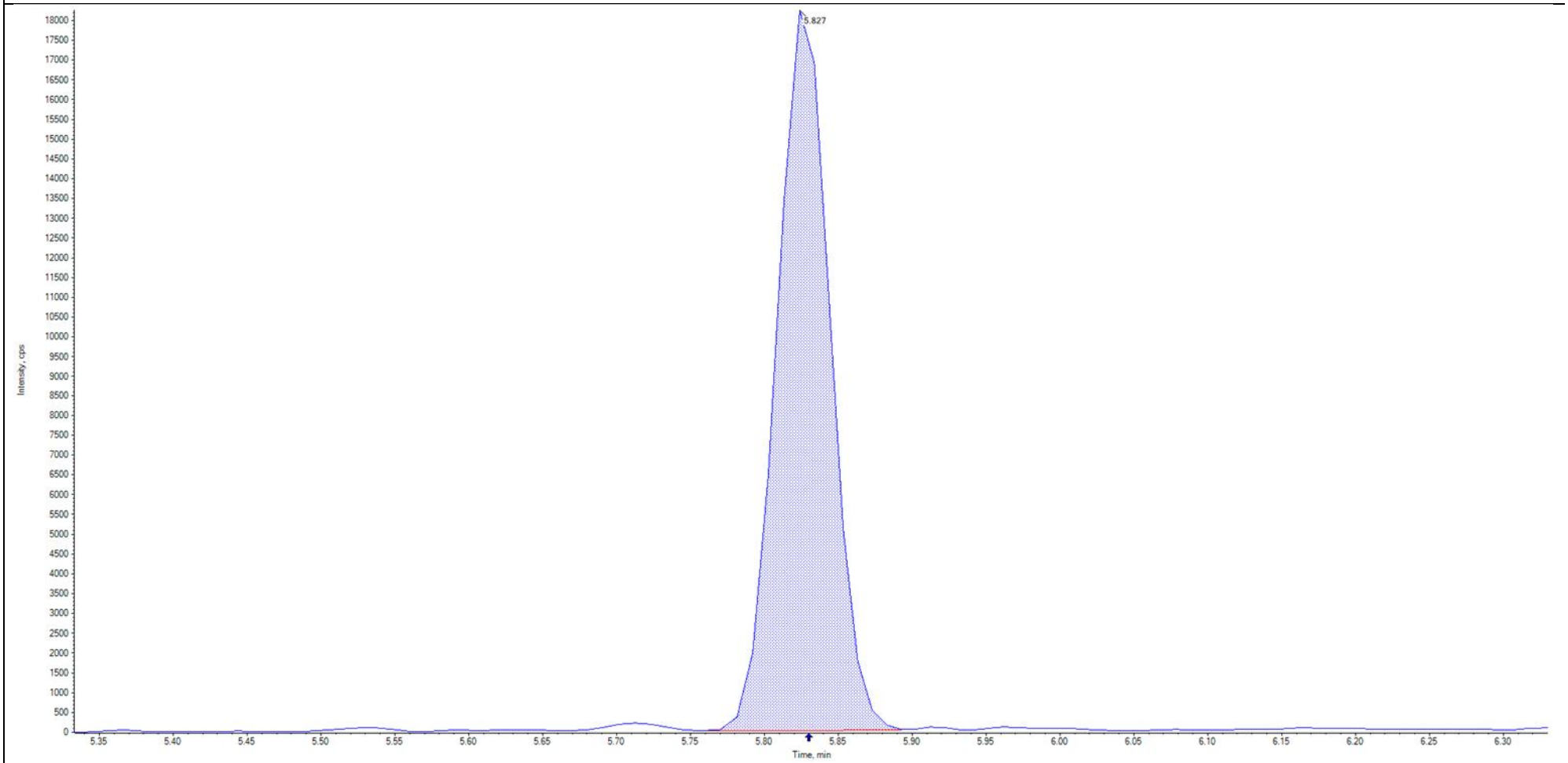
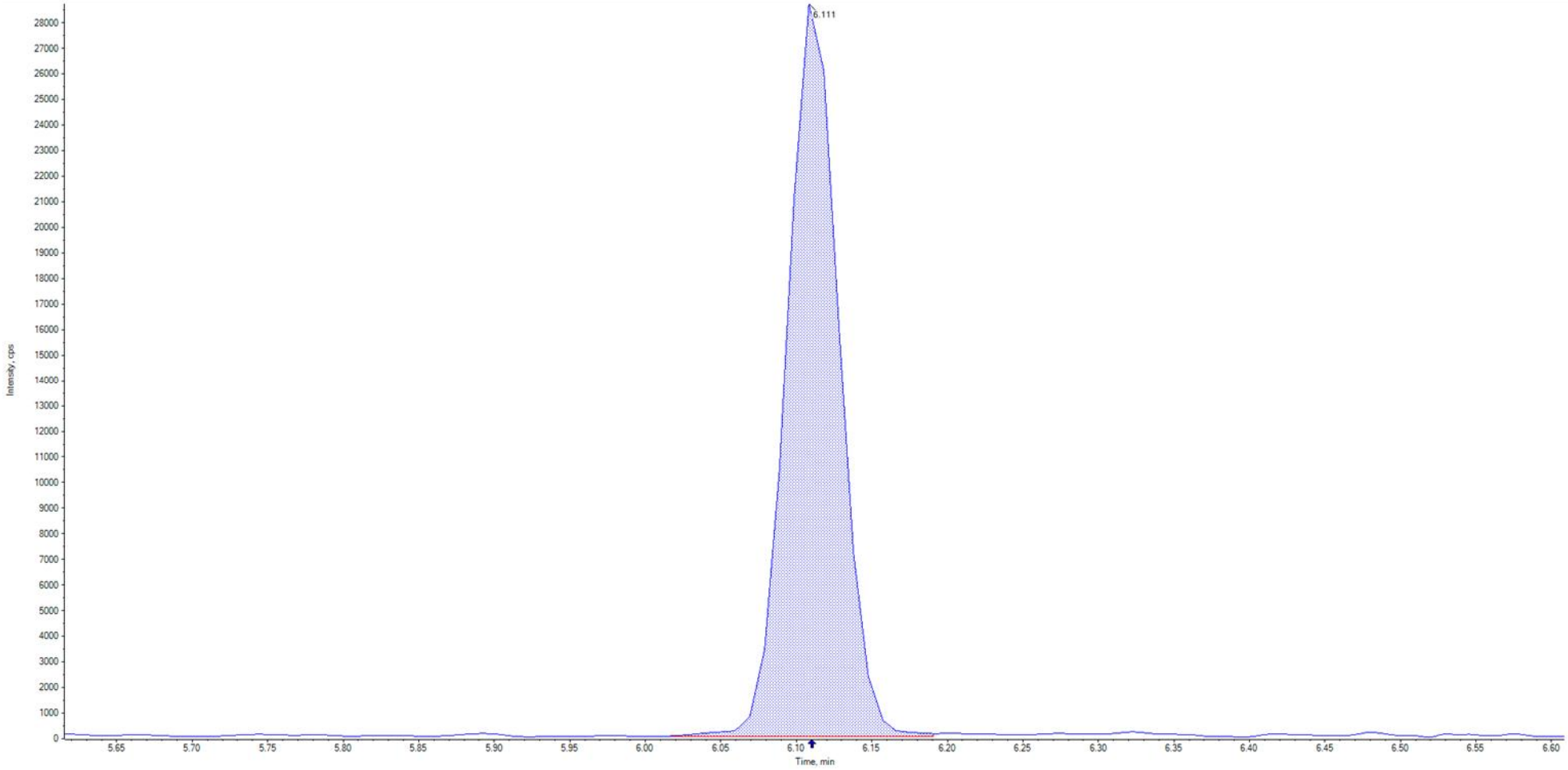


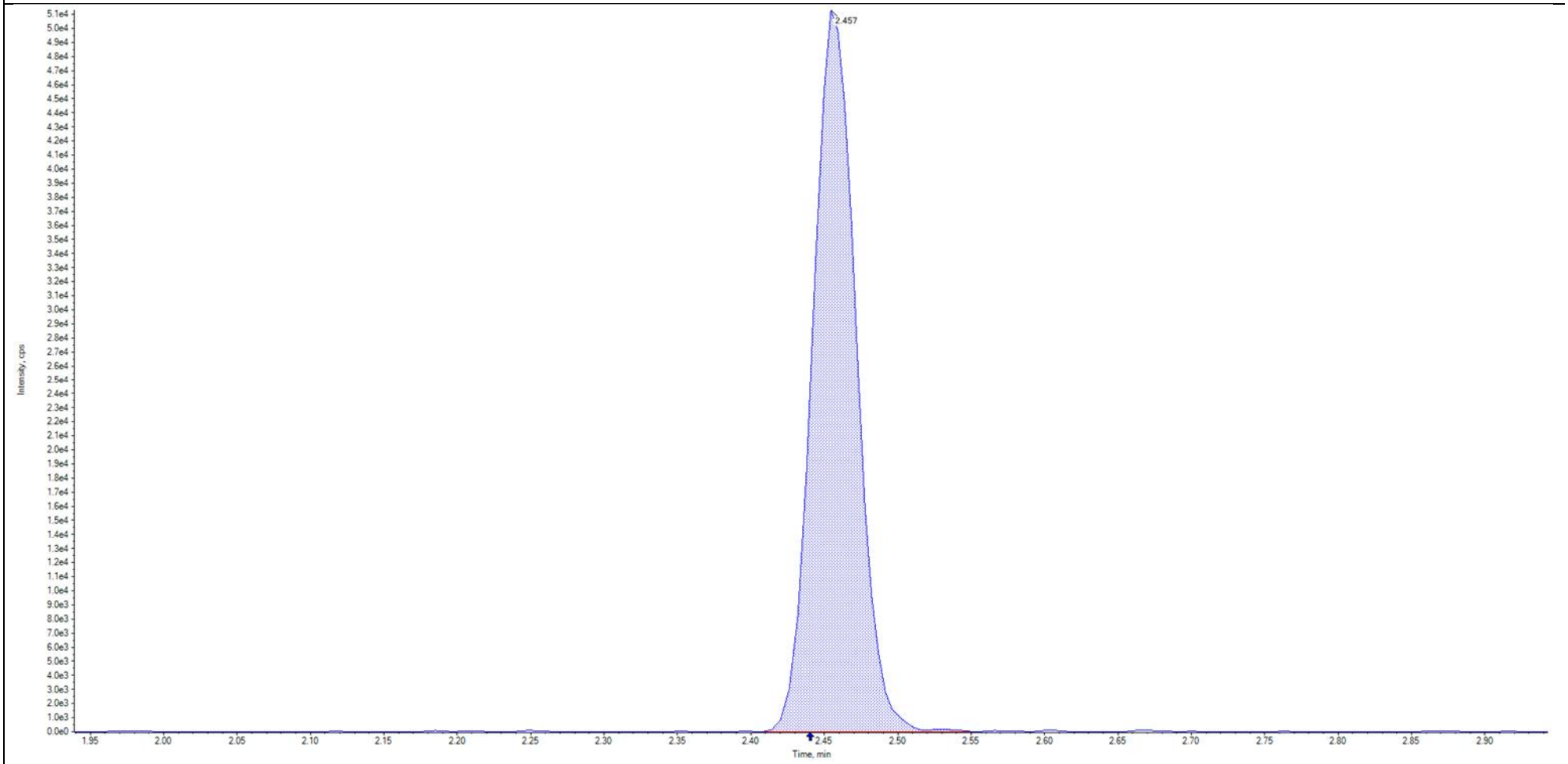
d7-NMeFOSE
Sample: WG2011107-5D,,10



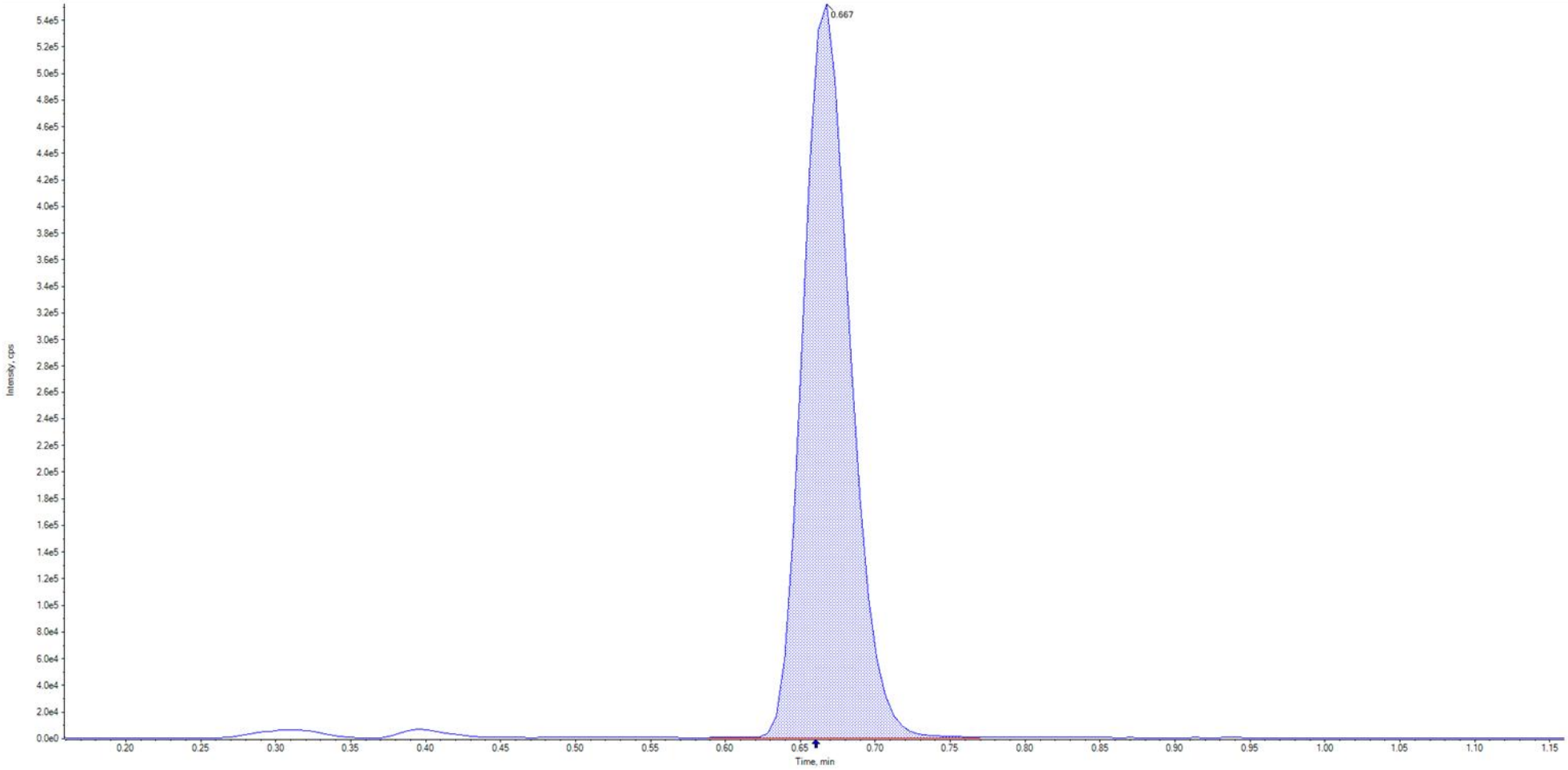
d9-NEtFOSE
Sample: WG2011107-5D,,10



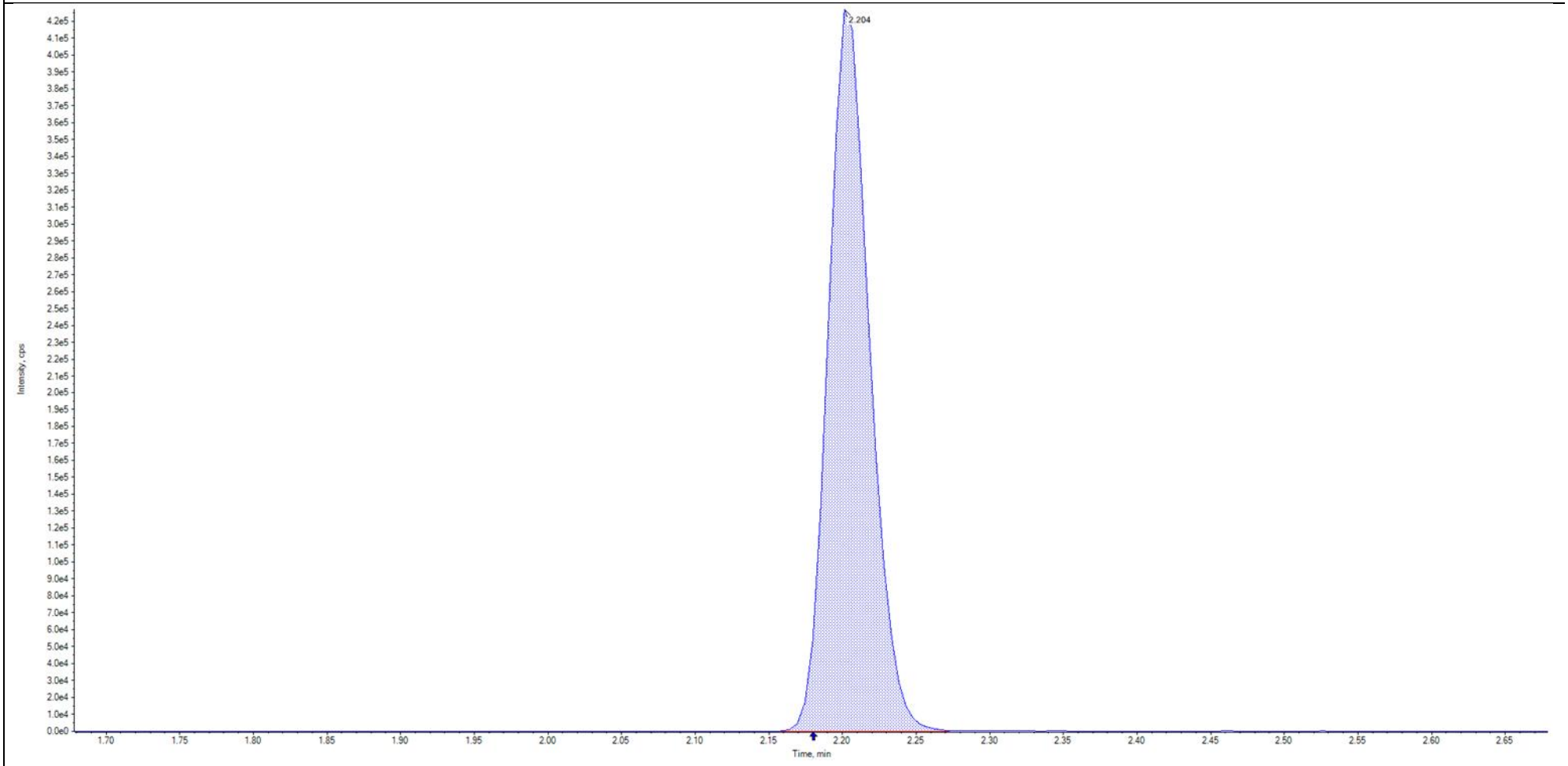
13C3-HFPO-DA
Sample: WG2011107-5D,,10



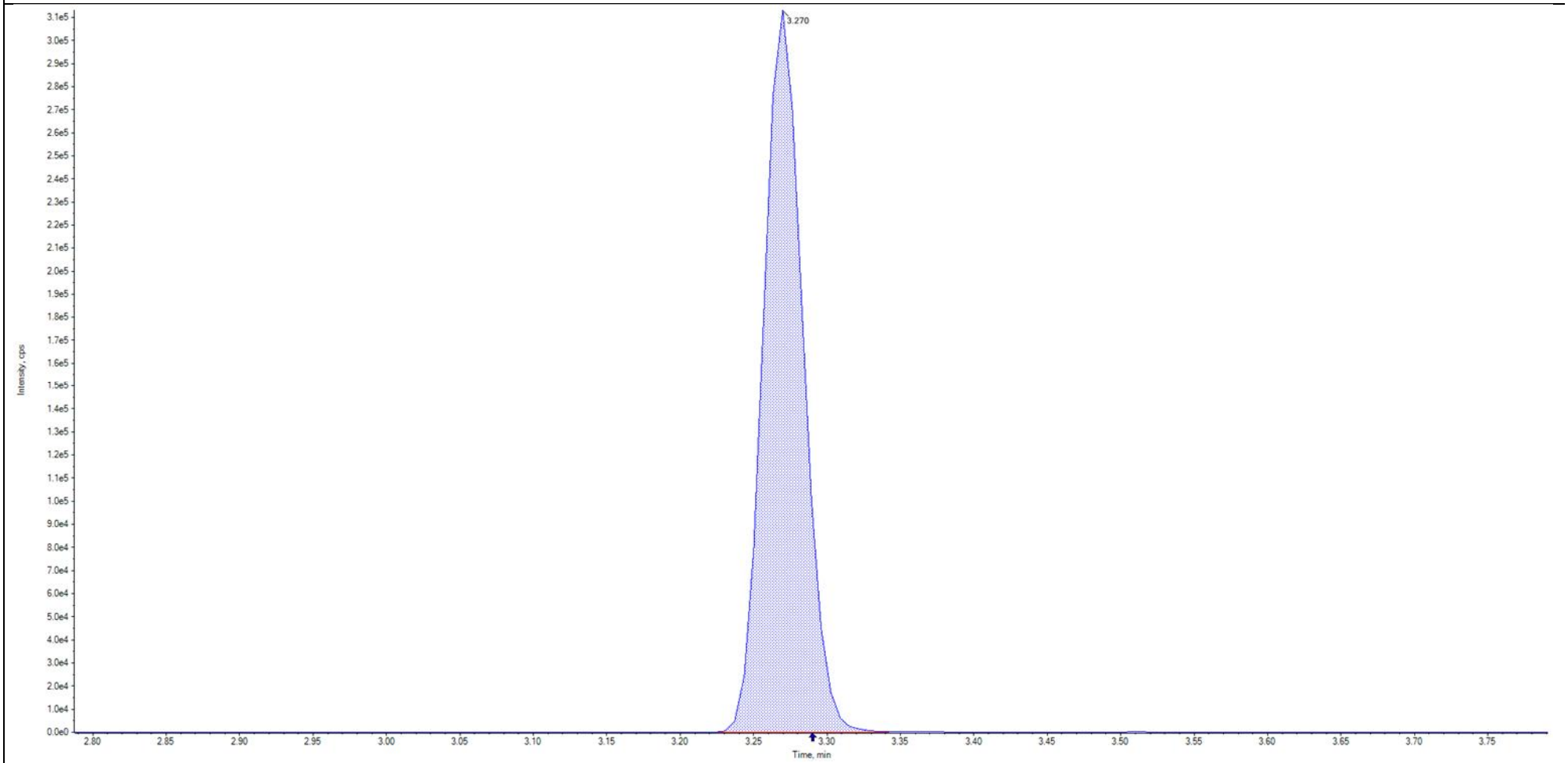
13C3-PFBA
Sample: WG2011107-5D,,10



13C2-PFHxA
Sample: WG2011107-5D,,10

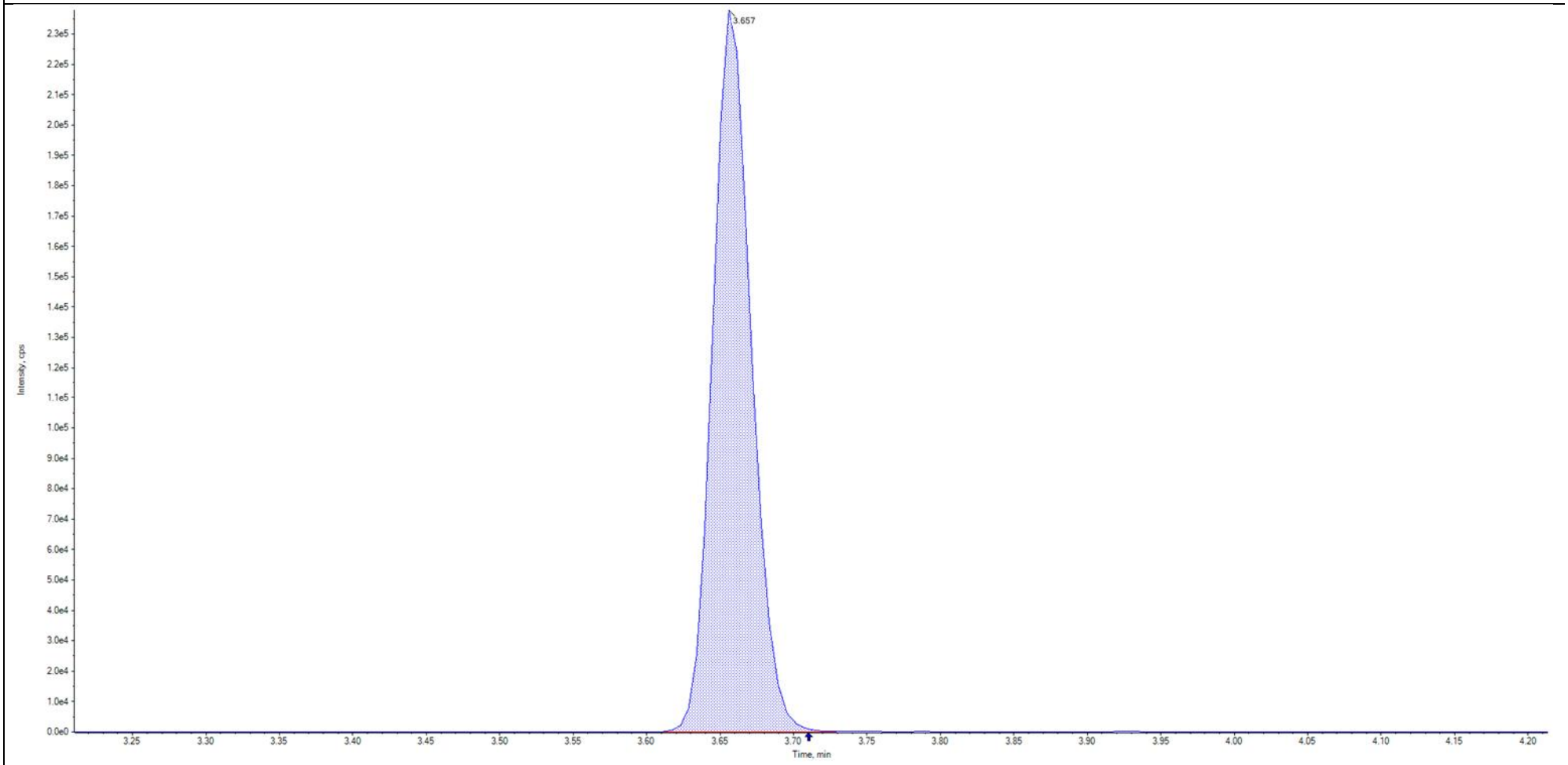


13C4-PFOA
Sample: WG2011107-5D,,10

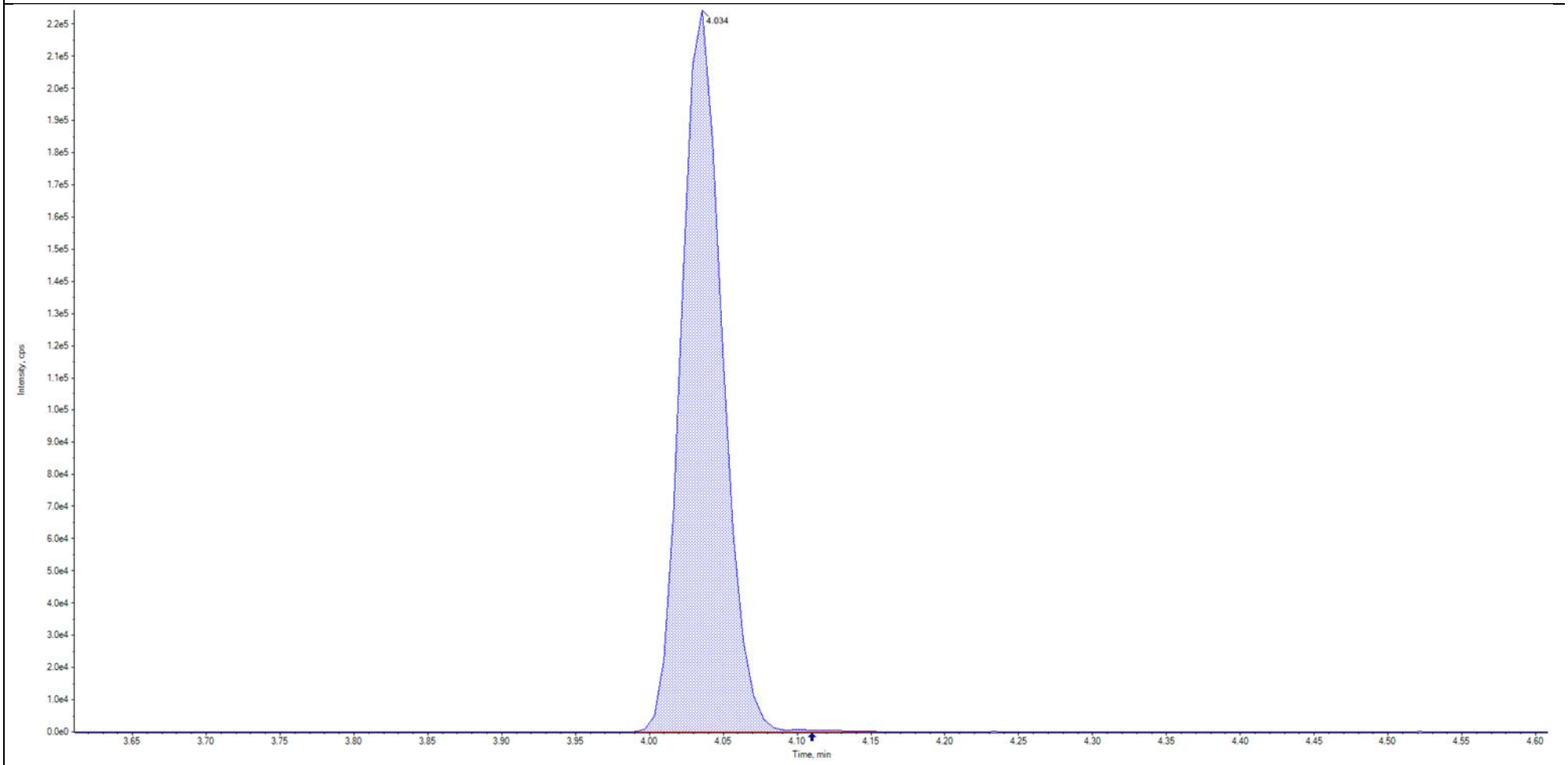


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241220\SCI05_241220_12.wiff2_8
Last Altered: 12/20/2024 8:52:45 AM
Generated: 12/20/2024 6:09:50 AM

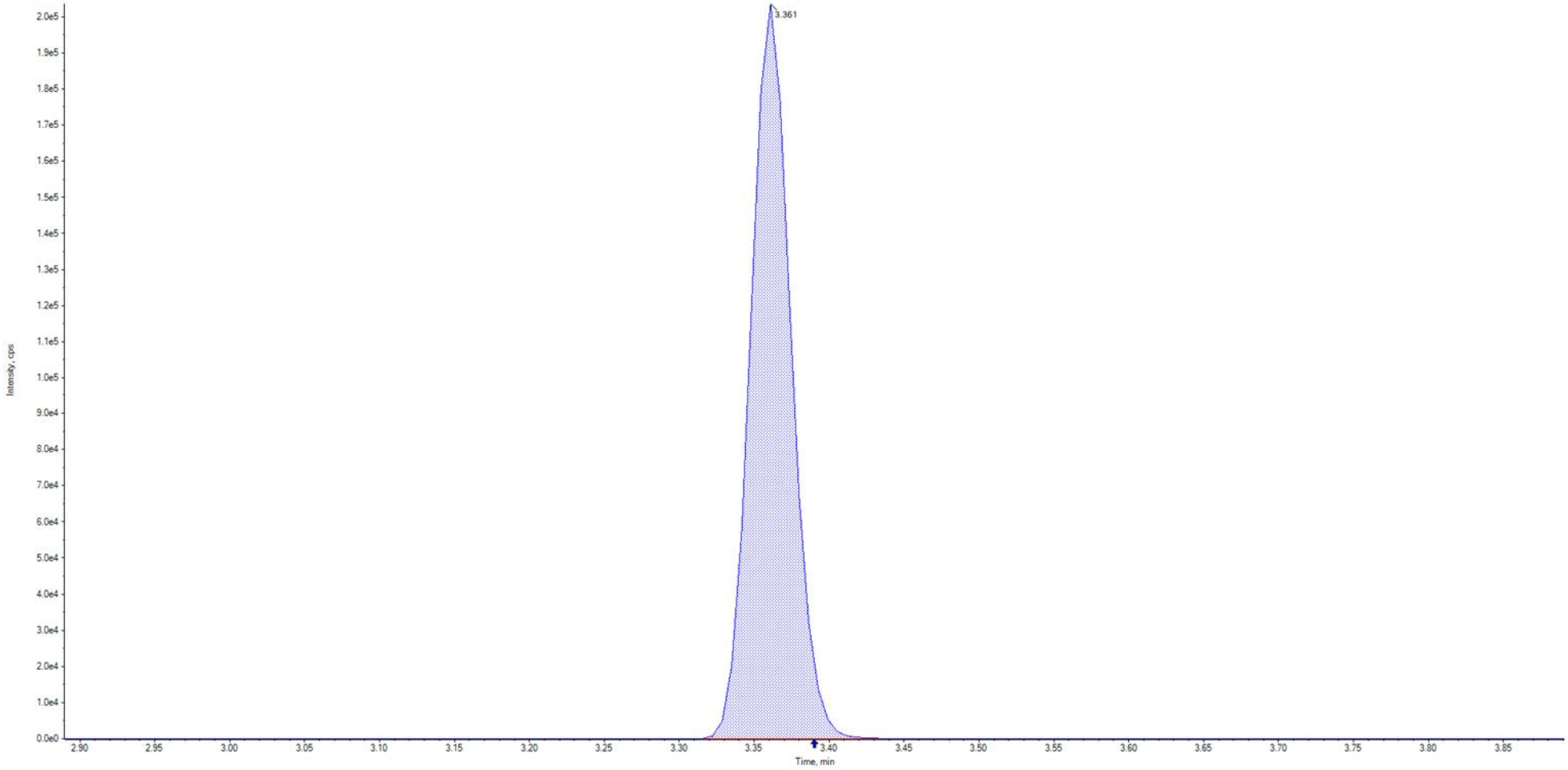
13C5-PFNA
Sample: WG2011107-5D,,10



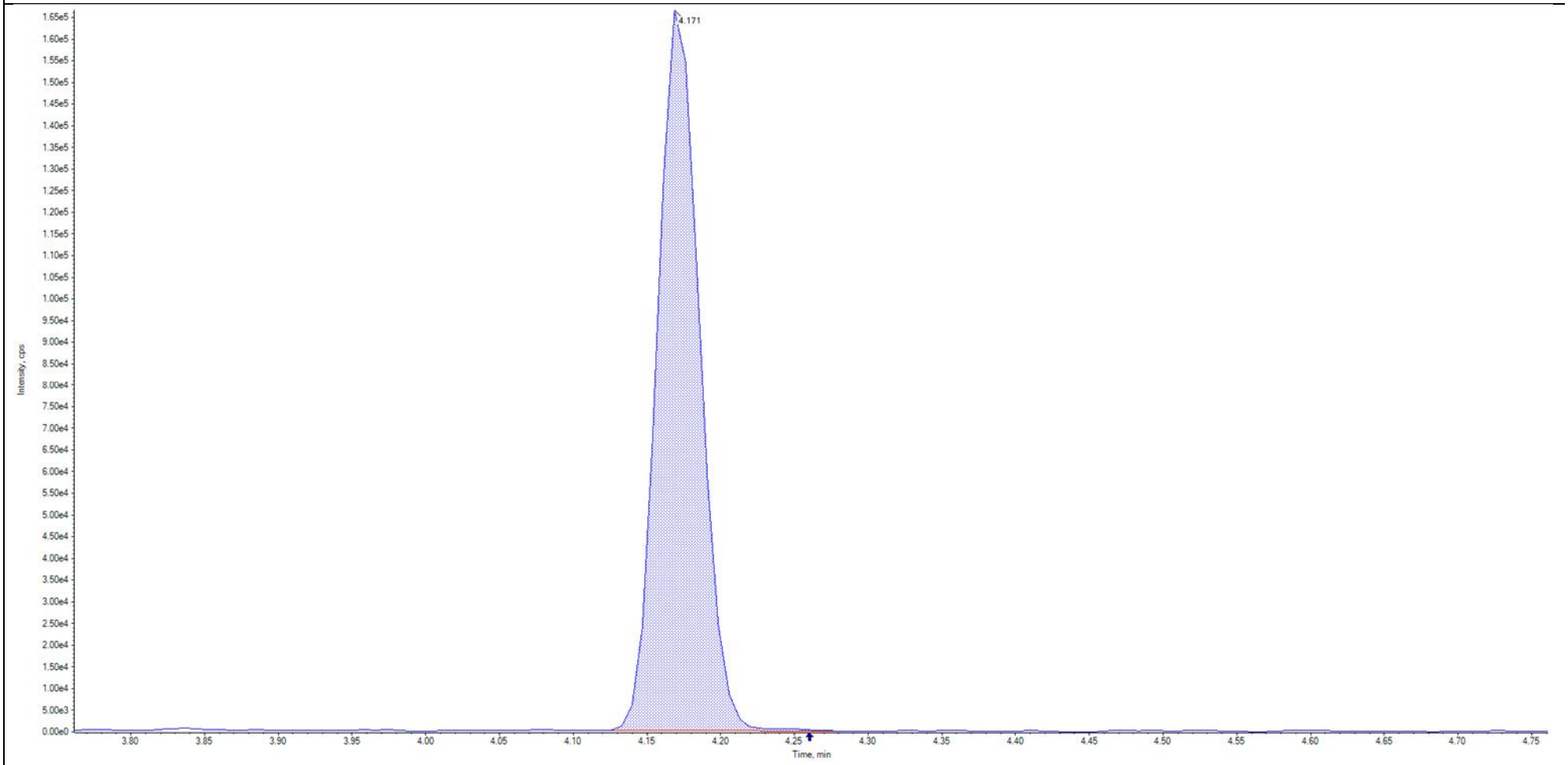
13C2-PFDA
Sample: WG2011107-5D,,10



18O2-PFHxS
Sample: WG2011107-5D,,10



13C4-PFOS
Sample: WG2011107-5D,,10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241220\SCI05_241220_12.wiff2_8
Last Altered: 12/20/2024 8:52:45 AM
Generated: 12/20/2024 6:09:50 AM

Calculation of Semi Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * 1000 * (1/Vo) * Vf

Where:
DF = Dilution Factor
Vo = Volume of Sample (mL)
Vf = Extraction Lab Final Volume (mL)

Soil Concentration Formula: Amt * DF * 1000 * (1/Wt) * Vf * (100/TS)
Where:
DF = Dilution Factor
Wt = Weight of Sample (g)
Vf = Extraction Lab Final Volume (mL)
TS = Total Solids

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Dec 30 2024, 04:07 pm

Work Group: WG2011107 for Department: 2 Organic Preparation

Created: 19-DEC-24 Due: Operator: SCV

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2469282-01	GPMW-03	S	A2-NY-1633	WATER	DONE	U	1220	1217	S0	Plastic-A.5
L2469282-02	GPMW-05	S	A2-NY-1633	WATER	DONE	U	1220	1217	S0	Plastic-A.5
L2469282-03	GPMW-07	S	A2-NY-1633	WATER	DONE	U	1220	1217	S0	Plastic-A.5
L2469282-04	GPMW-08	S	A2-NY-1633	WATER	DONE	U	1220	1217	S0	Plastic-A.5
L2470677-01	MW-13S	S	A2-NY-1633	WATER	DONE	U	1230	1217	S0	Plastic-A.5
L2470677-02	MW-13D	S	A2-NY-1633	WATER	DONE	U	1230	1217	S0	Plastic-A.5
L2470677-03	MW-88D	S	A2-NY-1633	WATER	DONE	U	1230	1217	S0	Plastic-A.5
L2470677-04	DUP-1	S	A2-NY-1633	WATER	DONE	U	1230	1217	S0	Plastic-A.5
L2470677-05	MW-6	S	A2-NY-1633	WATER	DONE	U	1230	1217	S0	Plastic-A.5
L2470677-06	MW-10S	S	A2-NY-1633	WATER	DONE	U	1230	1217	S0	Plastic-A.5
L2470677-07	MW-10D	S	A2-NY-1633	WATER	DONE	U	1230	1217	S0	Plastic-A.5
L2470677-08	BH-13	S	A2-NY-1633	WATER	DONE	U	1231	1217	S0	Plastic-A.5
L2470677-09	BH-3	S	A2-NY-1633	WATER	DONE	U	1231	1217	S0	Plastic-A.5
L2470677-10	BH-16	S	A2-NY-1633	WATER	DONE	U	1231	1217	S0	Plastic-A.5
L2470677-13	REC WELL/BH-20	S	A2-NY-1633	WATER	DONE	U	1231	1217	S0	Plastic-A.5
L2474358-01	MW-4S_P	S	A2-NY-1633	WATER	DONE	U	0113	0102	S0	Plastic-A.5
L2474358-02	FB_12162024_P	S	A2-NY-1633	WATER	DONE	U	0113	0102	S0	Plastic-A.5
WG2011107-1	Laboratory Method Bl	S	A2-NY-1633	WATER	DONE	U				
WG2011107-2	Laboratory Control S	S	A2-NY-1633	WATER	DONE	U				
WG2011107-3	Laboratory Control S	S	A2-NY-1633	WATER	DONE	U				
WG2011107-4	Matrix Spike	S	A2-NY-1633	WATER	DONE	U				
WG2011107-5	Matrix Spike Duplica	S	A2-NY-1633	WATER	DONE	U				

Comments:

WG2011107-4 L2470677-10
WG2011107-5 L2470677-10

duct:	1633F
Date:	11/15/2024
ment:	LCMS05

ICAL info:	ICAL21712
CCAL lots	EPA1633_241029_CAL
Mobile Phase A	EC111324A
Mobile Phase B	64135
Bile Salts Standard:	EPA1633F_240129_TDCA

SAMPLE NAME	SAMPLE ID	VIAL	DATA FILE	SITUATION
IPA	WG1997639	1	\241115\SCI05_241115_01	
blank	WG1997639	2	\241115\SCI05_241115_02	
High STD	WG1997639	15	\241115\SCI05_241115_03	
blank	WG1997639	2	\241115\SCI05_241115_04	
blank	WG1997639	2	\241115\SCI05_241115_05	
blank	WG1997639	2	\241115\SCI05_241115_06	
IA1633STD-0.1	WG1997639	7	\241115\SCI05_241115_07	
IA1633STD-0.2	WG1997639	8	\241115\SCI05_241115_08	Dropped, Ion Ratio Out
IA1633STD-0.5	WG1997639	9	\241115\SCI05_241115_09	
IA1633STD-2.5	WG1997639	10	\241115\SCI05_241115_10	
IA1633STD-5.0	WG1997639	11	\241115\SCI05_241115_11	
IA1633STD-12.5	WG1997639	12	\241115\SCI05_241115_12	
IA1633STD-25	WG1997639	13	\241115\SCI05_241115_13	
IA1633STD-50	WG1997639	14	\241115\SCI05_241115_14	
IA1633STD-62.5	WG1997639	15	\241115\SCI05_241115_15	
WG1997639-2,INSTBLANK	WG1997639	6	\241115\SCI05_241115_16	
WG1997639-3,INSTBLANK	WG1997639	6	\241115\SCI05_241115_17	
CA1633STD-10	WG1997639	16	\241115\SCI05_241115_18	
Blank	WG1997639	6	\241115\SCI05_241115_19	

Product:	A2-1633F
Run Date:	12/19/2024
ıstrument:	LCMS05

ICAL info:	ICAL21712
CCAL lots	PA1633_241128_CAL, L5: EPA1633_241118
Mobile Phase A	EC120624A
Mobile Phase B	64179
Bile Salts Standard:	EPA1633F_240129_TDCA

SAMPLE NAME	SAMPLE ID	VIAL	DATA FILE	SITUATION
blank	BLANK	6	\241219\SCI05_241219_05	
WG2011094-1,1633LOW	***WG2011094,WG2000000,ICAL21712,1633LOW***	3	\241219\SCI05_241219_06	TARGET HIGH - RERUN
WG2011094-1,1633LOW	***WG2011094,WG2000000,ICAL21712,1633LOW***	3	\241219\SCI05_241219_07	TARGET HIGH
WG2011094-2,1633FMED	WG2011094,WG2000000,ICAL21712,1633FMED	4	\241219\SCI05_241219_08	TARGET HIGH
WG2011094-4,INSTBLANK	WG2011094,WG2000000,ICAL21712	6	\241219\SCI05_241219_09	
WG2010893-1	WG2011094,WG2010893,ICAL21712	7	\241219\SCI05_241219_10	
WG2010893-2	WG2011094,WG2010893,ICAL21712	8	\241219\SCI05_241219_11	
WG2010893-3	WG2011094,WG2010893,ICAL21712	9	\241219\SCI05_241219_12	
L2468733-01RE	WG2011094,WG2010893,ICAL21712	10	\241219\SCI05_241219_13	
L2469265-01	WG2011094,WG2010893,ICAL21712	11	\241219\SCI05_241219_14	IS LOW (PFBA, PFMPA), EIS HIGH
L2470072-01	WG2011094,WG2010893,ICAL21712	12	\241219\SCI05_241219_15	
L2470072-02	WG2011094,WG2010893,ICAL21712	13	\241219\SCI05_241219_16	
L2470072-03	WG2011094,WG2010893,ICAL21712	14	\241219\SCI05_241219_17	
L2471176-01	WG2011094,WG2010893,ICAL21712	15	\241219\SCI05_241219_18	
L2471176-02	WG2011094,WG2010893,ICAL21712	16	\241219\SCI05_241219_19	
L2471176-03	WG2011094,WG2010893,ICAL21712	17	\241219\SCI05_241219_20	
L2472032-01	WG2011094,WG2010893,ICAL21712	18	\241219\SCI05_241219_21	
L2472033-01	WG2011094,WG2010893,ICAL21712	19	\241219\SCI05_241219_22	
WG2011094-5,1633FMED	WG2011094,WG2000000,ICAL21712,1633FMED	4	\241219\SCI05_241219_23	TARGET HIGH
WG2011094-6,INSTBLANK	WG2011094,WG2000000,ICAL21712	6	\241219\SCI05_241219_24	
L2472034-01	WG2011094,WG2010893,ICAL21712	20	\241219\SCI05_241219_25	EIS LOW
L2472035-01	WG2011094,WG2010893,ICAL21712	21	\241219\SCI05_241219_26	EIS HIGH / TARGET HITS
L2472219-01	WG2011094,WG2010893,ICAL21712	22	\241219\SCI05_241219_27	nis and eis all over the place
L2472340-01	WG2011094,WG2010893,ICAL21712	23	\241219\SCI05_241219_28	
L2472340-02	WG2011094,WG2010893,ICAL21712	24	\241219\SCI05_241219_29	
L2472340-03	WG2011094,WG2010893,ICAL21712	25	\241219\SCI05_241219_30	
L2474289-01	WG2011094,WG2010893,ICAL21712	26	\241219\SCI05_241219_31	
L2474289-02	WG2011094,WG2010893,ICAL21712	27	\241219\SCI05_241219_32	
L2474289-03	WG2011094,WG2010893,ICAL21712	28	\241219\SCI05_241219_33	
WG2011094-7,1633FMED	WG2011094,WG2000000,ICAL21712,1633FMED	4	\241219\SCI05_241219_34	TARGET HIGH
WG2011094-8,INSTBLANK	WG2011094,WG2000000,ICAL21712	6	\241219\SCI05_241219_35	
WG2011086-1	WG2011094,WG2011086,ICAL21712	29	\241219\SCI05_241219_36	
WG2011086-2	WG2011094,WG2011086,ICAL21712	30	\241219\SCI05_241219_37	TARGET HIGH
WG2011086-3	WG2011094,WG2011086,ICAL21712	31	\241219\SCI05_241219_38	TARGET HIGH
L2467735-03RE	WG2011094,WG2011086,ICAL21712	32	\241219\SCI05_241219_39	
L2467735-07RE	WG2011094,WG2011086,ICAL21712	33	\241219\SCI05_241219_40	

L2468944-03RE	WG2011094,WG2011086,ICAL21712	34	\241219\SCI05_241219_41	
L2469248-04RE	WG2011094,WG2011086,ICAL21712	35	\241219\SCI05_241219_42	
L2469590-04RE	WG2011094,WG2011086,ICAL21712	36	\241219\SCI05_241219_43	
L2469590-05RE	WG2011094,WG2011086,ICAL21712	37	\241219\SCI05_241219_44	
L2469590-06RE	WG2011094,WG2011086,ICAL21712	38	\241219\SCI05_241219_45	
L2469590-07RE	WG2011094,WG2011086,ICAL21712	39	\241219\SCI05_241219_46	
L2469590-08RE	WG2011094,WG2011086,ICAL21712	40	\241219\SCI05_241219_47	
L2469590-15RE	WG2011094,WG2011086,ICAL21712	41	\241219\SCI05_241219_48	
WG2011094-9,1633FMED	WG2011094,WG2000000,ICAL21712,1633FMED	4	\241219\SCI05_241219_49	TARGET HIGH
WG2011094-10,INSTBLANK	WG2011094,WG2000000,ICAL21712	6	\241219\SCI05_241219_50	
L2469590-16RE	WG2011094,WG2011086,ICAL21712	42	\241219\SCI05_241219_51	
L2469590-17RE	WG2011094,WG2011086,ICAL21712	43	\241219\SCI05_241219_52	
L2469590-18RE	WG2011094,WG2011086,ICAL21712	44	\241219\SCI05_241219_53	
L2469590-19RE	WG2011094,WG2011086,ICAL21712	45	\241219\SCI05_241219_54	
L2469590-20RE	WG2011094,WG2011086,ICAL21712	46	\241219\SCI05_241219_55	
L2469590-21RE	WG2011094,WG2011086,ICAL21712	47	\241219\SCI05_241219_56	
L2469590-22RE	WG2011094,WG2011086,ICAL21712	48	\241219\SCI05_241219_57	
L2469590-23RE	WG2011094,WG2011086,ICAL21712	49	\241219\SCI05_241219_58	
L2469590-24RE	WG2011094,WG2011086,ICAL21712	50	\241219\SCI05_241219_59	
L2469590-25RE	WG2011094,WG2011086,ICAL21712	51	\241219\SCI05_241219_60	
WG2011094-11,1633FMED	WG2011094,WG2000000,ICAL21712,1633FMED	4	\241219\SCI05_241219_61	TARGET HIGH
WG2011094-12,INSTBLANK	WG2011094,WG2000000,ICAL21712	6	\241219\SCI05_241219_62	EIS HIGH
L2469265-01D,,10	WG2011094,WG2010893,ICAL21712	52	\241219\SCI05_241219_63	
L2472034-01D,,10	WG2011094,WG2010893,ICAL21712	53	\241219\SCI05_241219_64	
L2472219-01D,,10	WG2011094,WG2010893,ICAL21712	54	\241219\SCI05_241219_65	
L2472035-01D,,10	WG2011094,WG2010893,ICAL21712	55	\241219\SCI05_241219_66	
WG2011107-1	WG2011094,WG2011107,ICAL21712	56	\241219\SCI05_241219_67	
WG2011107-2	WG2011094,WG2011107,ICAL21712	57	\241219\SCI05_241219_68	TARGET HIGH
WG2011107-3	WG2011094,WG2011107,ICAL21712	58	\241219\SCI05_241219_69	ADONA FAIL Ion ratio
L2468559-04RE	WG2011094,WG2011107,ICAL21712	59	\241219\SCI05_241219_70	
L2469282-01RE	WG2011094,WG2011107,ICAL21712	60	\241219\SCI05_241219_71	ANALYTES OVERCAL. / c/d
L2469282-02RE	WG2011094,WG2011107,ICAL21712	61	\241219\SCI05_241219_72	
L2469282-03RE	WG2011094,WG2011107,ICAL21712	62	\241219\SCI05_241219_73	C/D
L2469282-04RE	WG2011094,WG2011107,ICAL21712	63	\241219\SCI05_241219_74	
L2470677-01RE	WG2011094,WG2011107,ICAL21712	64	\241219\SCI05_241219_75	
WG2011094-13,1633FMED	WG2011094,WG2000000,ICAL21712,1633FMED	4	\241219\SCI05_241219_76	TARGET HIGH
WG2011094-14,INSTBLANK	WG2011094,WG2000000,ICAL21712	6	\241219\SCI05_241219_77	RT SHIFT
WG2011094-14,INSTBLANK	WG2011094,WG2000000,ICAL21712	6	\241219\SCI05_241219_78	
L2470677-02RE	WG2011094,WG2011107,ICAL21712	65	\241219\SCI05_241219_79	
L2470677-03RE	WG2011094,WG2011107,ICAL21712	66	\241219\SCI05_241219_80	
L2470677-04RE	WG2011094,WG2011107,ICAL21712	67	\241219\SCI05_241219_81	
L2470677-05RE	WG2011094,WG2011107,ICAL21712	68	\241219\SCI05_241219_82	
L2470677-06RE	WG2011094,WG2011107,ICAL21712	69	\241219\SCI05_241219_83	

L2470677-07RE	WG2011094,WG2011107,ICAL21712	70	\241219\SCI05_241219_84	
L2470677-08RE	WG2011094,WG2011107,ICAL21712	71	\241219\SCI05_241219_85	
L2470677-09RE	WG2011094,WG2011107,ICAL21712	72	\241219\SCI05_241219_86	
L2470677-10RE	WG2011094,WG2011107,ICAL21712	73	\241219\SCI05_241219_87	EIS HIGH / TARGETS HITS
WG2011107-4	WG2011094,WG2011107,ICAL21712	74	\241219\SCI05_241219_88	EIS HIGH
WG2011107-5	WG2011094,WG2011107,ICAL21712	75	\241219\SCI05_241219_89	EIS HIGH
WG2011094-15,1633FMED	WG2011094,WG2000000,ICAL21712,1633FMED	4	\241219\SCI05_241219_90	TARGET HIGH
WG2011094-16,INSTBLANK	WG2011094,WG2000000,ICAL21712	6	\241219\SCI05_241219_91	RT SHIFT
WG2011094-16,INSTBLANK	WG2011094,WG2000000,ICAL21712	6	\241219\SCI05_241219_92	
L2470677-13	WG2011094,WG2011107,ICAL21712	76	\241219\SCI05_241219_93	EIS HIGH / TARGETS HITS
L2474358-01	WG2011094,WG2011107,ICAL21712	77	\241219\SCI05_241219_94	
L2474358-02	WG2011094,WG2011107,ICAL21712	78	\241219\SCI05_241219_95	
WG2011107-3R	WG2011094,WG2011107,ICAL21712	58	\241219\SCI05_241219_96	
WG2011094-17,1633FMED	WG2011094,WG2000000,ICAL21712,1633FMED	4	\241219\SCI05_241219_97	TARGET HIGH

ORGANIC ELN REPORT

Workgroup: WG2011107

Prep Method: EPA 1633
Solvent Type: 1% NH4OH — **Lot #:** ECP121724L
Surrogate Type: 1633 — **Lot #:** LCMS241031R/S
Spike Type: 1633 — **Lot #:** LCMS241021AAAH
Spike Verify by: TCH
Lims Spikelot: 1633FMED

Additional Reagents/Stds

0.1M Formic Acid	ECP121624O
0.3M Formic Acid	ECP121324D
1:1 Formic Acid:MeOH	ECP121624M
Acetic Acid	2024050828
GCB	1265,G01671
IS	LCMS241031CC
pH Strip	10BDH30241

Conc.Method: NA
Solvent Type: NA
Lot #: NA

Additional Reagents/Stds

Cleanup 1

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

Additional Reagents/Stds

Extraction | **Concentration**

Sample/ Type	Extract Date	Analyst	Initial Sample Weight	Final Weight g	Sample Vol g	Ph	Balance Id	Surr Amt ml	Spike Amt ml	Pipette Id	Lot: Spe Cartridge	Flow Rate ml/min	Final Vol ml
L2468559-04	12/19/24 07:00	Stephanie Vargas	2	0	2	6	BAL-27	.02		322	S24-006416; S437-0011	4	4
	2mL of sample diluted to 250mL per RX instructions 12/19/24 scv;7-4,710												
L2469282-01 WATER	12/19/24 07:00	Stephanie Vargas	575.34	41.96	533.38	6	BAL-27	.02		322	S24-006416; S437-0011	4	4
	Centrifuged ans decanted due to over 1/2 cm of sediment in sample matrix 12/19/24 scv;7-5,403												
L2469282-02 WATER	12/19/24 07:00	Stephanie Vargas	5	0	5	6	BAL-27	.02		322	S24-006416; S437-0011	4	4
	5mL of sample diluted to 250mL per RX instructions 12/19/24 scv;7-6,908												
L2469282-03 WATER	12/19/24 07:00	Stephanie Vargas	582.20	42.42	539.78	6	BAL-27	.02		322	S24-006416; S437-0011	4	4
	Centrifuged ans decanted due to over 1/2 cm of sediment in sample matrix 12/19/24 scv;8-1,502												
L2469282-04 WATER	12/19/24 07:00	Stephanie Vargas	25	0	25	6	BAL-27	.02		322	S24-006416; S437-0011	4	4
	25mL of sample diluted to 250mL per RX instructions 12/19/24 scv;8-2,416												

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Sample/ Type	Extraction											Concentration
	Extract Date	Analyst	Initial Sample Weight	Final Weight **g**	Sample Vol **g**	Ph	Balance Id	Surr Amt **ml**	Spike Amt **ml**	Pipette Id	Lot: Spe Cartridge	Flow Rate **ml/min**	Final Vol **ml**
L2470677-01 WATER	12/19/24 07:00 **8-3,600**	Stephanie Vargas	546.24	41.94	504.3	6	BAL-27	.02		322	S24-006416; S437-0011	4	4
L2470677-02 WATER	12/19/24 07:00 **8-4,802**	Stephanie Vargas	533.74	41.63	492.11	6	BAL-27	.02		322	S24-006416; S437-0011	4	4
L2470677-03 WATER	12/19/24 07:00 **8-5,920**	Stephanie Vargas	546.30	42.65	503.65	6	BAL-27	.02		322	S24-006416; S437-0011	4	4
L2470677-04 WATER	12/19/24 07:00 **8-6,912**	Stephanie Vargas	562.64	41.95	520.69	6	BAL-27	.02		322	S24-006416; S437-0011	4	4
L2470677-05 WATER	12/19/24 07:00 **5-1,714**	Stephanie Vargas	507.53	41.95	465.58	6	BAL-27	.02		322	S24-006416; S437-0011	4	4
L2470677-06 WATER	12/19/24 07:00 **5-2,704**	Stephanie Vargas	536.76	41.80	494.96	6	BAL-27	.02		322	S24-006416; S437-0011	4	4
L2470677-07 WATER	12/19/24 07:00 **5-3,501**	Stephanie Vargas	570.35	41.87	528.48	6	BAL-27	.02		322	S24-006416; S437-0011	4	4
L2470677-08 WATER	12/19/24 07:00 **5-4,706**	Stephanie Vargas	528.88	41.48	487.4	6	BAL-27	.02		322	S24-006416; S437-0011	4	4
L2470677-09 WATER	12/19/24 07:00 **5-5,509**	Stephanie Vargas	537.37	42.08	495.29	6	BAL-27	.02		322	S24-006416; S437-0011	4	4
L2470677-10 WATER	12/19/24 07:00 **5-6,605**	Stephanie Vargas	536.64	42.03	494.61	6	BAL-27	.02		322	S24-006416; S437-0011	4	4

Reported: 30-DEC-24 04:07 PM

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Sample/ Type	Extraction											Concentration
	Extract Date	Analyst	Initial Sample Weight	Final Weight **g**	Sample Vol **g**	Ph	Balance Id	Surr Amt **ml**	Spike Amt **ml**	Pipette Id	Lot: Spe Cartridge	Flow Rate **ml/min**	Final Vol **ml**
L2470677-13 WATER	12/19/24 07:00 **6-3,611**	Stephanie Vargas	531.18	42.91	488.27	6	BAL-27	.02		322	S24-006416; S437-0011	4	4
L2474358-01 WATER	12/19/24 07:00 **6-4,300**	Stephanie Vargas	537.58	41.84	495.74	6	BAL-27	.02		322	S24-006416; S437-0011	4	4
L2474358-02 WATER	12/19/24 07:00 **6-5,420**	Stephanie Vargas	547.30	40.87	506.43	6	BAL-27	.02		322	S24-006416; S437-0011	4	4
WG2011107-1 BLANK	12/19/24 07:00 **7-1,604**	Stephanie Vargas	540	40	500	6	BAL-27	.02		322	S24-006416; S437-0011	4	4
WG2011107-2 LCS	12/19/24 07:00 **LOW LCS : EPA1633F_241210_10X; 12/19/24 SCV; 7-2,902**	Stephanie Vargas	540	40	500	6	BAL-27	.02	.064	322,411	S24-006416; S437-0011	4	4
WG2011107-3 LCS	12/19/24 07:00 **7-3,917**	Stephanie Vargas	540	40	500	6	BAL-27	.02	.04	322,411	S24-006416; S437-0011	4	4
WG2011107-4 MS	12/19/24 07:00 **6-1,716**	Stephanie Vargas	519.22	41.97	477.25	6	BAL-27	.02	.04	322,411	S24-006416; S437-0011	4	4
WG2011107-5 MSD	12/19/24 07:00 **6-2,921**	Stephanie Vargas	521.93	42.23	479.7	6	BAL-27	.02	.04	322,411	S24-006416; S437-0011	4	4