Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

Method: EPA1633F_250228A.qmethod
Calibration: 250228_EPA1633_ICAL

ID: CA1633STD-10
Name: SCI07_250228_37.wiff2
Date & Time: 2025-02-28T14:11:23
Description: WG2035470,EPA1633F_250228_CAL_ICV
Instrument: SCIEX Triple Quad 5500+
User: LCMS07:AC

LC/MS-MS Method:EPA-1633F

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | PFBA | 375-22-4 | 0.61 | 213.0 / 169.0 | 2057329 | | 9.618 | N/A | N/A | N/A | 96.2 |
| 2 | PFPeA | 2706-90-3 | 1.19 | 263.0 / 219.0 | 1308877 | | 9.182 | 0.007 | N/A | N/A | 91.8 |
| 3 | PFPeA_2 | 2706-90-3 | 1.19 | 263.0 / 68.9 | 8644 | | 8.170 | 0.007 | N/A | N/A | 81.7 |
| 4 | PFHxA | 307-24-4 | 2.05 | 313.0 / 269.0 | 2063146 | | 9.804 | 0.073 | 0.067 | Pass | 98.0 |
| 5 | PFHxA_2 | 307-24-4 | 2.05 | 313.0 / 119.0 | 149684 | | 10.642 | 0.073 | 0.067 | Pass | 106.4 |
| 6 | PFHpA | 375-85-9 | 2.73 | 363.1 / 319.0 | 1716106 | | 7.177 | 0.416 | 0.345 | Pass | 71.8 |
| 7 | PFHpA_2 | 375-85-9 | 2.73 | 363.1 / 169.0 | 714112 | | 8.683 | 0.416 | 0.345 | Pass | 86.8 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | PFOA | 335-67-1 | 3.22 | 413.1 / 369.1 | 2268548 | M5 | 9.859 | 0.334 | 0.365 | Pass | 98.6 |
| 9 | PFOA_2 | 335-67-1 | 3.22 | 413.1 / 169.0 | 757679 | M5 | 8.785 | 0.334 | 0.365 | Pass | 87.9 |
| 10 | PFNA | 375-95-1 | 3.65 | 462.8 / 418.9 | 2379498 | | 10.747 | 0.254 | 0.352 | Pass | 107.5 |
| 11 | PFNA_2 | 375-95-1 | 3.65 | 462.8 / 219.0 | 604734 | | 8.232 | 0.254 | 0.352 | Pass | 82.3 |
| 12 | PFDA | 335-76-2 | 4.05 | 513.1 / 469.1 | 2255187 | | 9.537 | 0.172 | 0.185 | Pass | 95.4 |
| 13 | PFDA_2 | 335-76-2 | 4.05 | 513.1 / 219.0 | 388734 | | 9.393 | 0.172 | 0.185 | Pass | 93.9 |
| 14 | PFUnA | 2058-94-8 | 4.44 | 563.1 / 519.1 | 2017623 | | 8.558 | 0.162 | 0.166 | Pass | 85.6 |
| 15 | PFUnA_2 | 2058-94-8 | 4.44 | 563.1 / 269.0 | 326365 | | 8.317 | 0.162 | 0.166 | Pass | 83.2 |
| 16 | PFDoA | 307-55-1 | 4.83 | 613.1 / 569.1 | 1975336 | | 8.539 | 0.156 | 0.150 | Pass | 85.4 |
| 17 | PFDoA_2 | 307-55-1 | 4.83 | 613.1 / 319.0 | 308132 | | 8.366 | 0.156 | 0.150 | Pass | 83.7 |
| 18 | PFTrDA | 72629-94-8 | 5.20 | 663.1 / 619.1 | 2004465 | | 9.281 | 0.142 | 0.134 | Pass | 92.8 |
| 19 | PFTrDA_2 | 72629-94-8 | 5.20 | 663.1 / 169.0 | 284742 | | 8.863 | 0.142 | 0.134 | Pass | 88.6 |
| 20 | PFTeDA | 376-06-7 | 5.56 | 713.1 / 669.1 | 1900398 | | 9.543 | 0.151 | 0.150 | Pass | 95.4 |
| 21 | PFTeDA_2 | 376-06-7 | 5.56 | 713.1 / 169.0 | 286628 | | 9.110 | 0.151 | 0.150 | Pass | 91.1 |
| 22 | PFBS | 375-73-5 | 2.04 | 299.1 / 80.1 | 1575288 | | 10.718 | 0.353 | 0.341 | Pass | 107.2 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | PFBS_2 | 375-73-5 | 2.04 | 299.1 / 99.1 | 556718 | | 10.671 | 0.353 | 0.341 | Pass | 106.7 |
| 24 | PFPeS | 2706-91-4 | 2.79 | 349.1 / 80.1 | 1411612 | | 10.951 | 0.307 | 0.296 | Pass | 109.5 |
| 25 | PFPeS_2 | 2706-91-4 | 2.79 | 349.1 / 99.1 | 433801 | | 11.463 | 0.307 | 0.296 | Pass | 114.6 |
| 26 | PFHxS | 355-46-4 | 3.32 | 399.1 / 80.1 | 1255460 | | 11.053 | 0.264 | 0.298 | Pass | 110.5 |
| 27 | PFHxS_2 | 355-46-4 | 3.32 | 399.1 / 99.1 | 331875 | | 10.038 | 0.264 | 0.298 | Pass | 100.4 |
| 28 | PFHpS | 375-92-8 | 3.78 | 449.1 / 80.1 | 1211330 | | 9.498 | 0.294 | 0.277 | Pass | 95.0 |
| 29 | PFHpS_2 | 375-92-8 | 3.78 | 449.1 / 99.1 | 355757 | | 9.570 | 0.294 | 0.277 | Pass | 95.7 |
| 30 | PFOS | 1763-23-1 | 4.20 | 499.1 / 80.1 | 1508229 | M5 | 9.748 | 0.224 | 0.236 | Pass | 97.5 |
| 31 | PFOS_2 | 1763-23-1 | 4.20 | 499.1 / 99.1 | 338169 | | 9.323 | 0.224 | 0.236 | Pass | 93.2 |
| 32 | PFNS | 68259-12-1 | 4.60 | 549.1 / 80.1 | 1140429 | | 10.564 | 0.270 | 0.265 | Pass | 105.6 |
| 33 | PFNS_2 | 68259-12-1 | 4.60 | 549.1 / 99.1 | 307936 | | 10.240 | 0.270 | 0.265 | Pass | 102.4 |
| 34 | PFDS | 335-77-3 | 4.99 | 599.1 / 80.1 | 1030145 | | 9.973 | 0.290 | 0.275 | Pass | 99.7 |
| 35 | PFDS_2 | 335-77-3 | 4.99 | 599.1 / 99.1 | 299149 | | 10.301 | 0.290 | 0.275 | Pass | 103.0 |
| 36 | PFDoS | 79780-39-5 | 5.72 | 699.2 / 80.1 | 1159086 | | 10.302 | 0.237 | 0.245 | Pass | 103.0 |
| 37 | PFDoS_2 | 79780-39-5 | 5.72 | 699.2 / 99.1 | 274482 | | 9.522 | 0.237 | 0.245 | Pass | 95.2 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 38 | 4:2FTS | 757124-72-4 | 1.79 | 327.1 / 307.1 | 343529 | | 11.096 | 0.523 | 0.542 | Pass | 111.0 |
| 39 | 4:2FTS_2 | 757124-72-4 | 1.79 | 327.1 / 81.1 | 179670 | | 10.812 | 0.523 | 0.542 | Pass | 108.1 |
| 40 | 6:2FTS | 27619-97-2 | 3.04 | 427.2 / 407.2 | 278296 | | 10.577 | 0.541 | 0.555 | Pass | 105.8 |
| 41 | 6:2FTS_2 | 27619-97-2 | 3.04 | 427.2 / 81.1 | 150500 | | 10.525 | 0.541 | 0.555 | Pass | 105.3 |
| 42 | 8:2FTS | 39108-34-4 | 3.87 | 527.2 / 507.2 | 205915 | | 11.460 | 0.780 | 0.824 | Pass | 114.6 |
| 43 | 8:2FTS_2 | 39108-34-4 | 3.87 | 527.2 / 81.1 | 160562 | | 11.669 | 0.780 | 0.824 | Pass | 116.7 |
| 44 | PFOSA | 754-91-6 | 5.34 | 498.1 / 78.1 | 1611560 | | 9.886 | 0.029 | 0.029 | Pass | 98.9 |
| 45 | PFOSA_2 | 754-91-6 | 5.34 | 498.1 / 478.0 | 46735 | | 9.801 | 0.029 | 0.029 | Pass | 98.0 |
| 46 | NMeFOSA | 31506-32-8 | 6.06 | 512.2 / 219.0 | 380810 | | 8.761 | 1.103 | 1.426 | Pass | 87.6 |
| 47 | NMeFOSA_2 | 31506-32-8 | 6.06 | 512.2 / 169.0 | 420133 | M3 | 6.731 | 1.103 | 1.426 | Pass | 67.3 |
| 48 | NEtFOSA | 4151-50-2 | 6.35 | 526.2 / 219.0 | 408749 | | 9.660 | 0.959 | 1.166 | Pass | 96.6 |
| 49 | NEtFOSA_2 | 4151-50-2 | 6.35 | 526.2 / 169.0 | 392008 | | 7.816 | 0.959 | 1.166 | Pass | 78.2 |
| 50 | NMeFOSAA | 2355-31-9 | 4.16 | 570.2 / 419.1 | 553878 | | 10.017 | 0.675 | 0.729 | Pass | 100.2 |
| 51 | NMeFOSAA_2 | 2355-31-9 | 4.16 | 570.2 / 483.0 | 374014 | M5 | 9.752 | 0.675 | 0.729 | Pass | 97.5 |
| 52 | NEtFOSAA | 2991-50-6 | 4.36 | 584.2 / 419.1 | 301755 | M5 | 11.389 | 0.447 | 0.453 | Pass | 113.9 |

| | 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 | 135022 | | 10.690 | 0.447 | 0.453 | Pass | 106.9 |
| 54 | NMeFOSE | 24448-09-7 | 5.93 | 616.1 / 58.9 | 400947 | | 11.027 | N/A | N/A | N/A | 110.3 |
| 55 | NEtFOSE | 1691-99-2 | 6.22 | 630.0 / 58.9 | 967028 | | 10.709 | N/A | N/A | N/A | 107.1 |
| 56 | HFPO-DA | 13252-13-6 | 2.32 | 285.0 / 169.0 | 980595 | | 10.621 | 0.928 | 0.892 | Pass | 106.2 |
| 57 | HFPO-DA_2 | 13252-13-6 | 2.32 | 285.0 / 184.9 | 909632 | | 11.308 | 0.928 | 0.892 | Pass | 113.1 |
| 58 | ADONA | 919005-14-4 | 2.92 | 376.9 / 251.0 | 4687992 | | 10.479 | 0.417 | 0.444 | Pass | 104.8 |
| 59 | ADONA_2 | 919005-14-4 | 2.92 | 376.9 / 84.8 | 1952611 | | 10.305 | 0.417 | 0.444 | Pass | 103.1 |
| 60 | 9Cl-PF3ONS | 756426-58-1 | 4.48 | 530.8 / 351.1 | 4178859 | | 11.259 | 0.337 | 0.359 | Pass | 112.6 |
| 61 | 9Cl-PF3ONS_2 | 756426-58-1 | 4.48 | 532.8 / 353.0 | 1406231 | | 10.880 | 0.337 | 0.359 | Pass | 108.8 |
| 62 | 11Cl-PF3OUdS | 763051-92-9 | 5.25 | 630.9 / 451.0 | 3101316 | | 10.744 | 0.344 | 0.348 | Pass | 107.4 |
| 63 | 11Cl-PF3OUdS_2 | 763051-92-9 | 5.25 | 632.9 / 452.9 | 1066792 | | 10.848 | 0.344 | 0.348 | Pass | 108.5 |
| 64 | 3:3FTCA | 356-02-5 | 1.59 | 241.1 / 177.1 | 171064 | | 10.397 | 0.706 | 0.698 | Pass | 104.0 |
| 65 | 3:3FTCA_2 | 356-02-5 | 1.58 | 241.1 / 117.0 | 120717 | | 10.057 | 0.706 | 0.698 | Pass | 100.6 |
| 66 | 5:3FTCA | 914637-49-3 | 3.22 | 341.1 / 237.1 | 551813 | | 11.890 | 1.003 | 0.979 | Pass | 118.9 |
| 67 | 5:3FTCA_2 | 914637-49-3 | 3.22 | 341.1 / 217.0 | 553246 | | 12.091 | 1.003 | 0.979 | Pass | 120.9 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 7:3FTCA | 812-70-4 | 4.21 | 441.1 / 316.9 | 220893 | | 9.361 | 2.171 | 2.144 | Pass | 93.6 |
| 69 | 7:3FTCA_2 | 812-70-4 | 4.21 | 441.1 / 337.1 | 479602 | | 9.983 | 2.171 | 2.144 | Pass | 99.8 |
| 70 | PFEESA | 113507-82-7 | 2.42 | 315.1 / 135.0 | 4198535 | | 10.348 | 0.069 | 0.077 | Pass | 103.5 |
| 71 | PFEESA_2 | 113507-82-7 | 2.42 | 315.1 / 82.9 | 289370 | | 8.928 | 0.069 | 0.077 | Pass | 89.3 |
| 72 | PFMPA | 377-73-1 | 0.76 | 229.0 / 85.0 | 1498025 | | 8.400 | N/A | N/A | N/A | 84.0 |
| 73 | PFMBA | 863090-89-5 | 1.49 | 279.0 / 85.0 | 1560845 | | 8.908 | N/A | N/A | N/A | 89.1 |
| 74 | NFDHA | 151772-58-6 | 1.95 | 295.0 / 201.0 | 1193489 | | 11.249 | 0.607 | 0.632 | Pass | 112.5 |
| 75 | NFDHA_2 | 151772-58-6 | 1.95 | 295.0 / 84.9 | 723976 | | 10.606 | 0.607 | 0.632 | Pass | 106.1 |
| 76 | TDCA | 516-50-7 | N/A | 499.1 / 124.1 | N/A | | N/A | N/A | 4.812 | N/A | N/A |
| 77 | TDCA_2 | 516-50-7 | N/A | 499.1 / 79.9 | N/A | | N/A | N/A | 4.812 | N/A | N/A |
| 78 | 13C2D4-4:2FTS | Surr | 1.78 | 333.2 / 312.1 | 127723 | | 4.574 | N/A | N/A | N/A | 91.5 |
| 79 | 13C2-PFOA | Surr | 3.21 | 415.0 / 370.0 | 183334 | | 2.248 | N/A | N/A | N/A | 89.9 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C4-PFBA | EIS | 0.60 | 217.0 / 172.0 | 2345709 | | 9.499 | NA | NA | NA | 95.0 |

| Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| 13C5-PFPeA | EIS | 1.19 | 268.0 / 223.0 | 685772 | | 4.923 | NA | NA | NA | 98.5 |
| 13C5-PFHxA | EIS | 2.04 | 318.0 / 273.0 | 292129 | | 2.265 | NA | NA | NA | 90.6 |
| 13C4-PFHpA | EIS | 2.72 | 367.0 / 322.0 | 598201 | | 2.557 | NA | NA | NA | 102.3 |
| 13C8-PFOA | EIS | 3.21 | 420.8 / 376.0 | 670272 | | 2.715 | NA | NA | NA | 108.6 |
| 13C9-PFNA | EIS | 3.64 | 472.0 / 427.0 | 348842 | | 1.299 | NA | NA | NA | 103.9 |
| 13C6-PFDA | EIS | 4.04 | 519.0 / 474.0 | 348187 | | 1.236 | NA | NA | NA | 98.9 |
| 13C7-PFUnA | EIS | 4.44 | 570.0 / 525.0 | 377315 | | 1.300 | NA | NA | NA | 104.0 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C2-PFDoA | EIS | 4.82 | 615.1 / 570.0 | 331249 | | 1.234 | NA | NA | NA | 98.7 |
| | 13C2-PFTeDA | EIS | 5.56 | 715.1 / 670.1 | 222024 | | 1.248 | NA | NA | NA | 99.8 |
| | 13C3-PFBS | EIS | 2.04 | 302.1 / 80.1 | 319141 | | 2.146 | NA | NA | NA | 92.1 |
| | 13C3-PFHxS | EIS | 3.32 | 402.1 / 80.1 | 269582 | | 2.122 | NA | NA | NA | 89.5 |
| | 13C8-PFOS | EIS | 4.19 | 507.1 / 80.1 | 348672 | | 2.302 | NA | NA | NA | 95.9 |
| | 13C2-4:2FTS | EIS | 1.79 | 329.1 / 81.1 | 78564 | | 4.146 | NA | NA | NA | 88.4 |
| | 13C2-6:2FTS | EIS | 3.04 | 429.2 / 81.1 | 67266 | | 4.352 | NA | NA | NA | 91.4 |
| | 13C2-8:2FTS | EIS | 3.87 | 529.2 / 81.1 | 75125 | | 4.126 | NA | NA | NA | 86.0 |

| Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| 13C8-PFOSA | EIS | 5.34 | 506.1 / 78.1 | 577175 | | 2.319 | NA | NA | NA | 92.8 |
| d3-NMeFOSA | EIS | 6.05 | 515.2 / 219.0 | 103855 | | 2.321 | NA | NA | NA | 92.9 |
| d5-NEtFOSA | EIS | 6.34 | 531.2 / 219.0 | 85431 | | 2.226 | NA | NA | NA | 89.0 |
| d3-NMeFOSAA | EIS | 4.15 | 573.2 / 419.1 | 397989 | | 6.340 | NA | NA | NA | 126.8 |
| d5-NEtFOSAA | EIS | 4.35 | 589.3 / 419.1 | 126323 | | 4.730 | NA | NA | NA | 94.6 |
| d7-NMeFOSE | EIS | 5.91 | 623.2 / 58.9 | 324640 | | 23.401 | NA | NA | NA | 93.6 |
| d9-NEtFOSE | EIS | 6.20 | 639.2 / 58.9 | 725374 | | 22.734 | NA | NA | NA | 90.9 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C3-HFPO-DA | EIS | 2.32 | 287.0 / 169.0 | 913082 | | 9.454 | NA | NA | NA | 94.5 |
| | 13C3-PFBA | NIS | 0.60 | 216.0 / 172.0 | 1107398 | | 5.639 | NA | NA | NA | 112.8 |
| | 13C2-PFHxA | NIS | 2.04 | 315.0 / 270.0 | 496821 | | 2.553 | NA | NA | NA | 102.1 |
| | 13C4-PFOA | NIS | 3.21 | 417.0 / 372.0 | 169720 | | 2.011 | NA | NA | NA | 80.5 |
| | 13C5-PFNA | NIS | 3.64 | 468.0 / 423.0 | 350855 | | 1.250 | NA | NA | NA | 100.0 |
| | 13C2-PFDA | NIS | 4.04 | 515.1 / 470.1 | 329995 | | 1.280 | NA | NA | NA | 102.4 |
| | 18O2-PFHxS | NIS | 3.32 | 403.1 / 84.1 | 250891 | | 2.519 | NA | NA | NA | 106.3 |
| | 13C4-PFOS | NIS | 4.19 | 503.1 / 80.1 | 277454 | | 2.542 | NA | NA | NA | 105.9 |

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|---|---|---|---|---|---|---|---|---|---|---|---|

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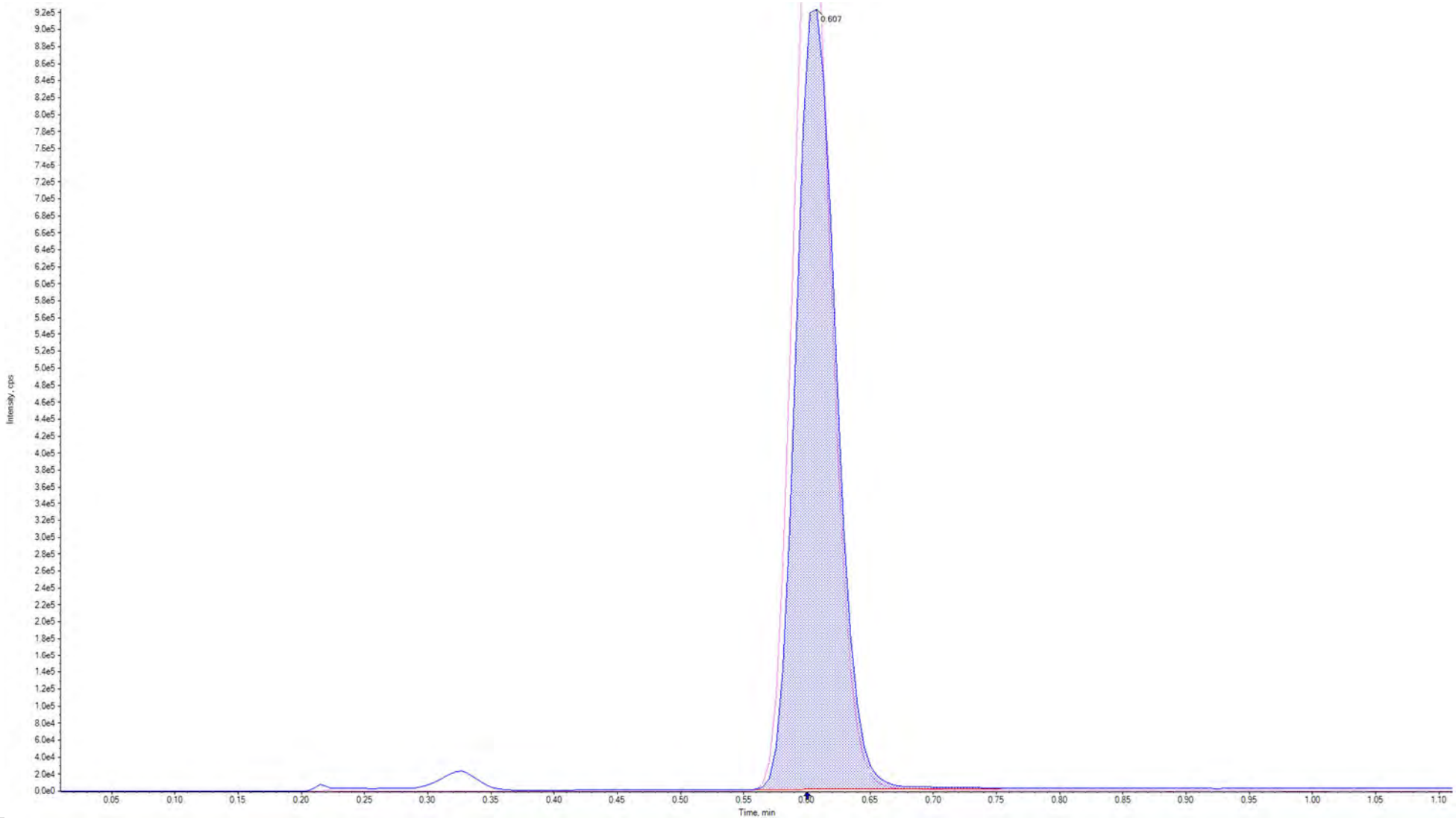
PFBA
Sample: CA1633STD-10 S/N:874.7 Points Across peak:37



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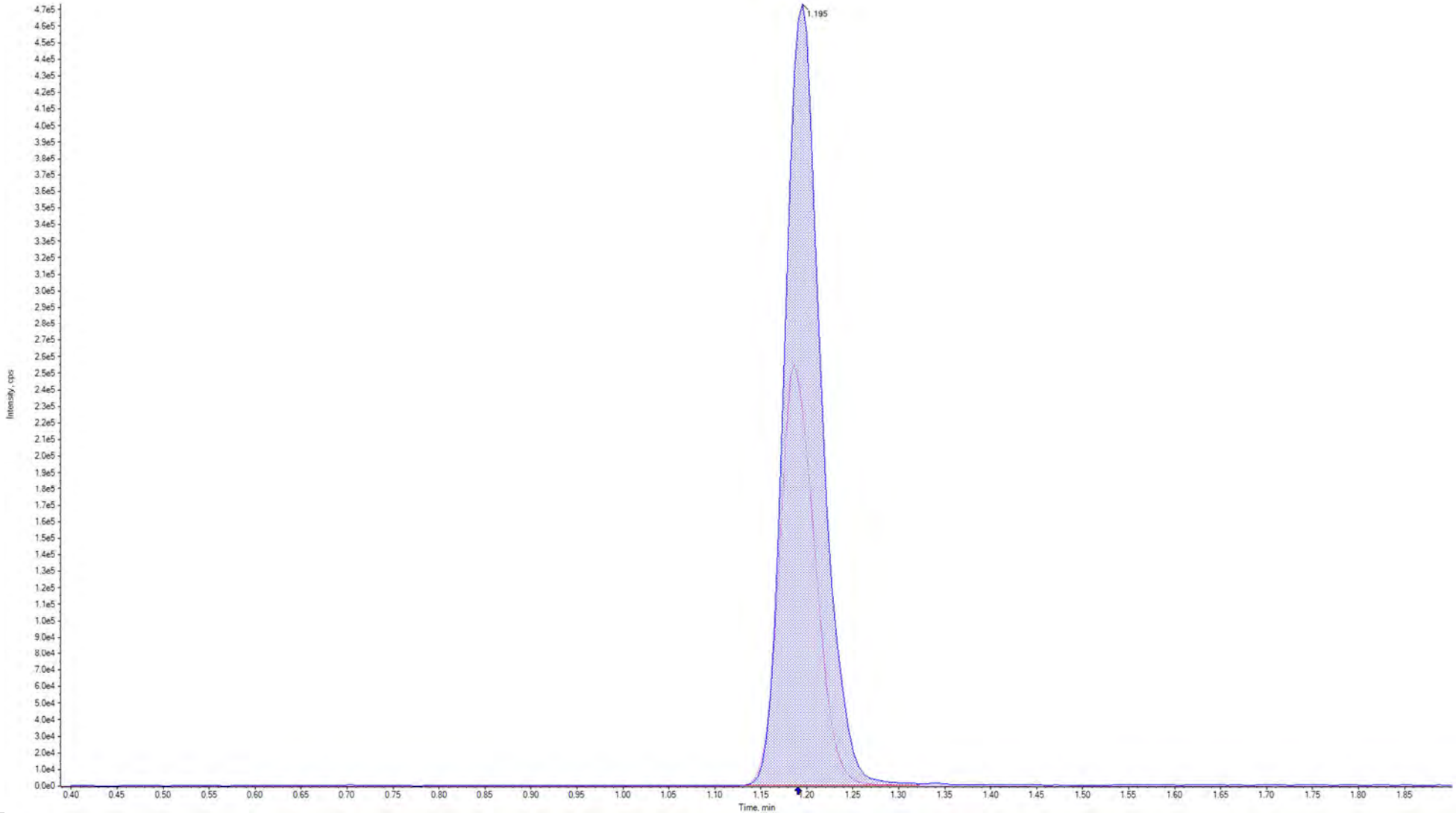
PFPeA
Sample: CA1633STD-10 S/N:6579.2 Points Across peak:42



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Last Altered: 3/1/2025 8:37:00 AM
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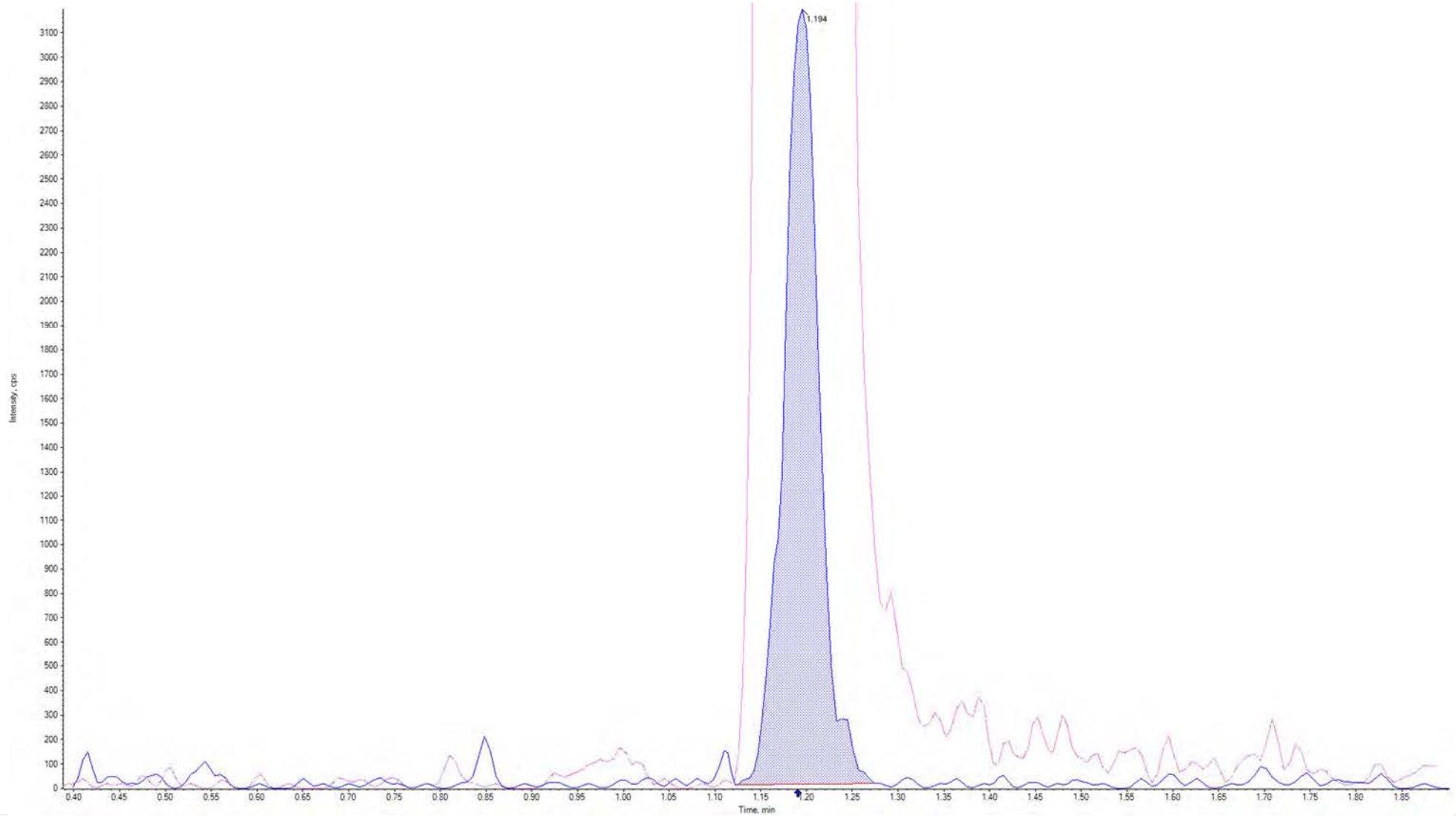
PFPeA_2
Sample: CA1633STD-10 S/N:151.4 Points Across peak:33



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Last Altered: 3/1/2025 8:37:00 AM
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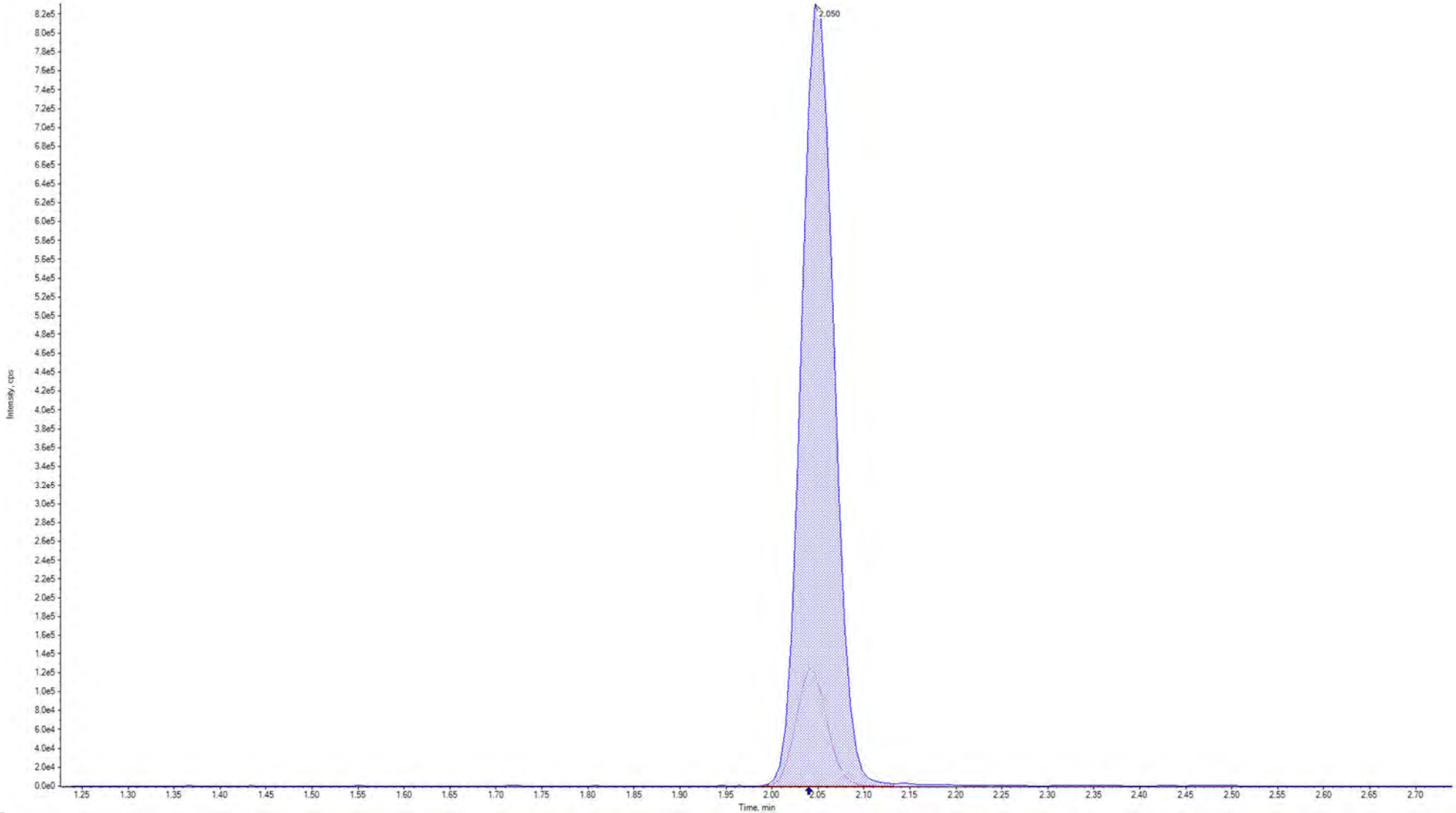
PFHxA
Sample: CA1633STD-10 S/N:14044.0 Points Across peak:24



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Last Altered: 3/1/2025 8:37:00 AM
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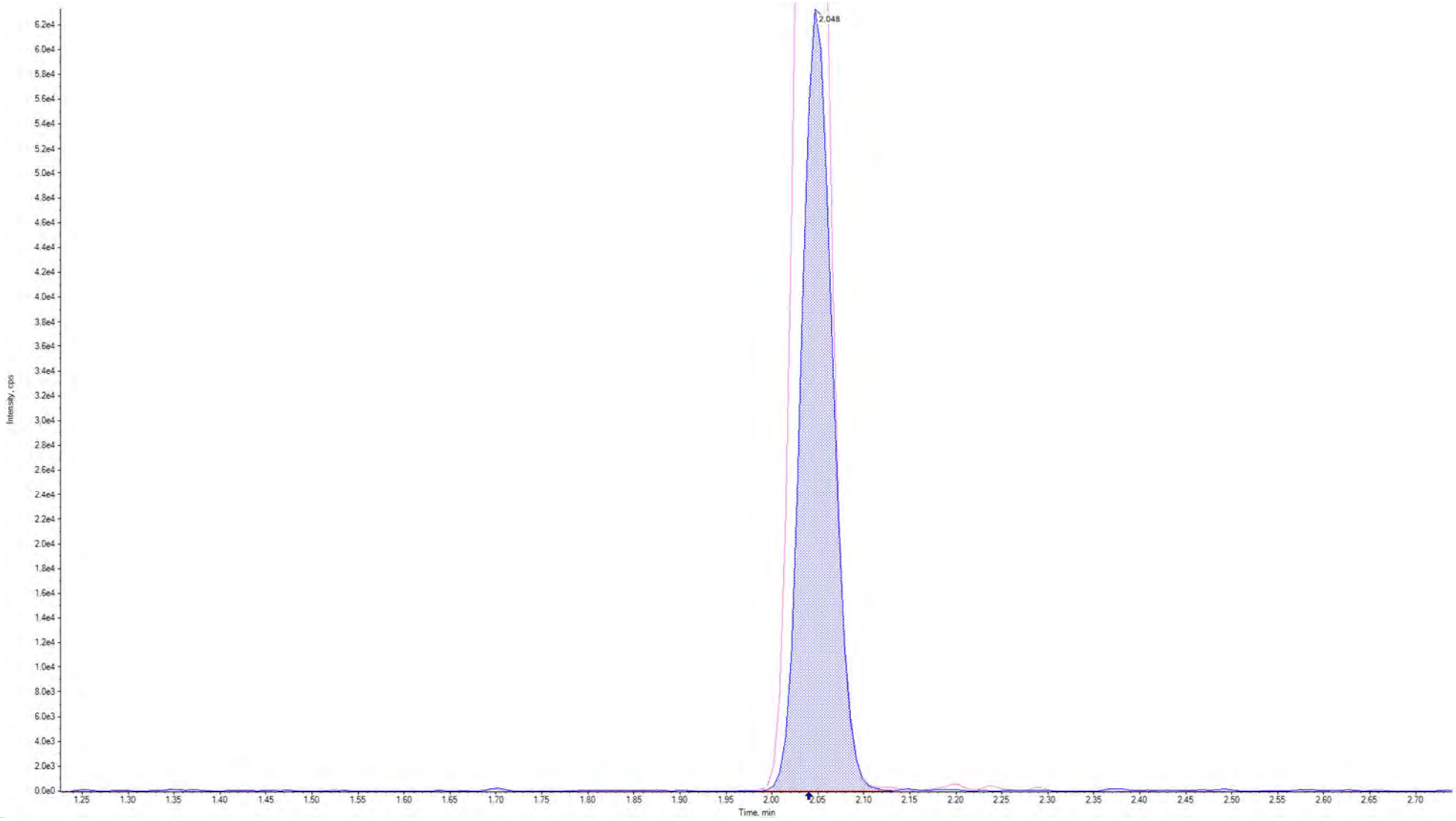
PFHxA_2
Sample: CA1633STD-10 S/N:1267.9 Points Across peak:25



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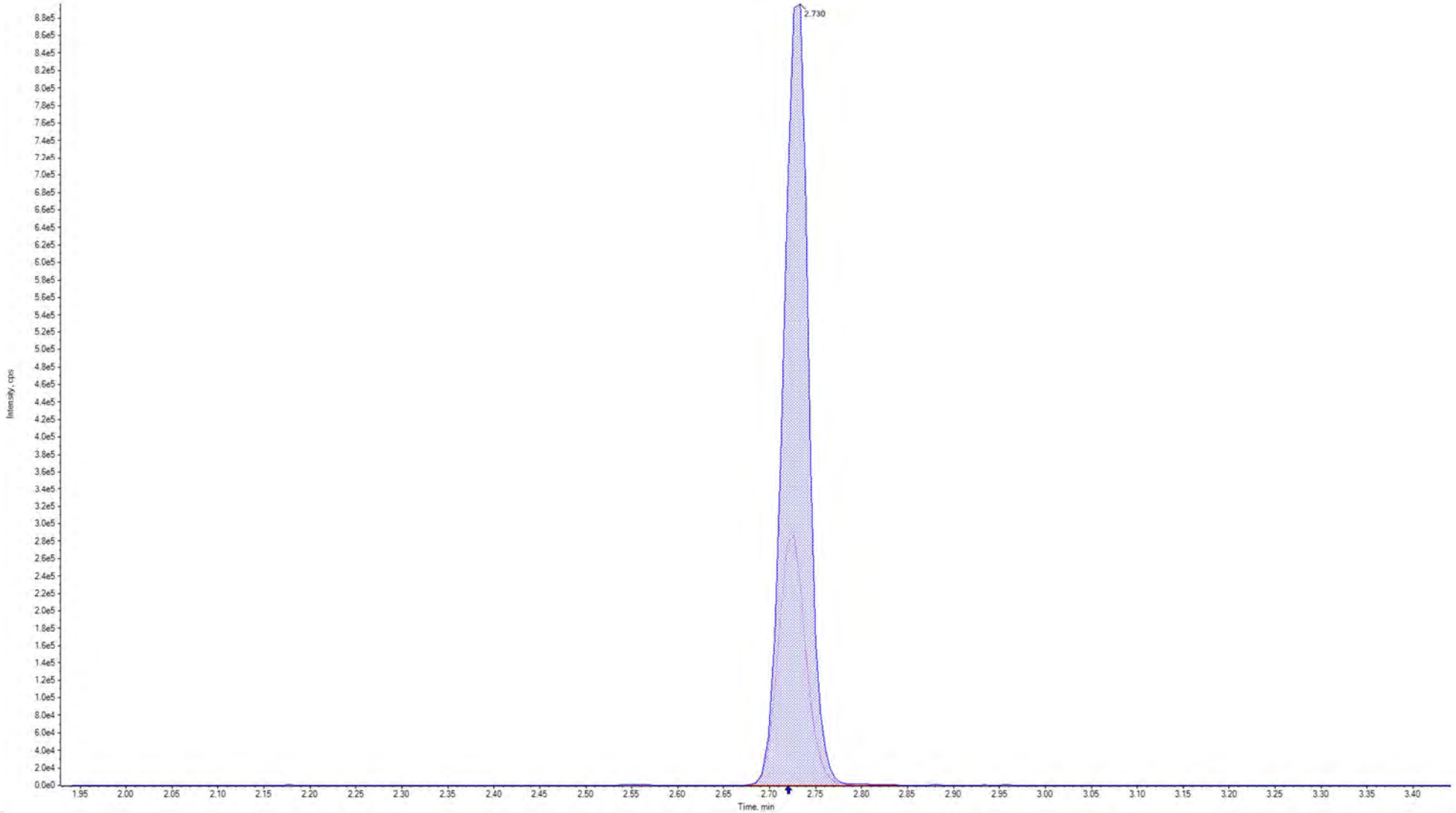
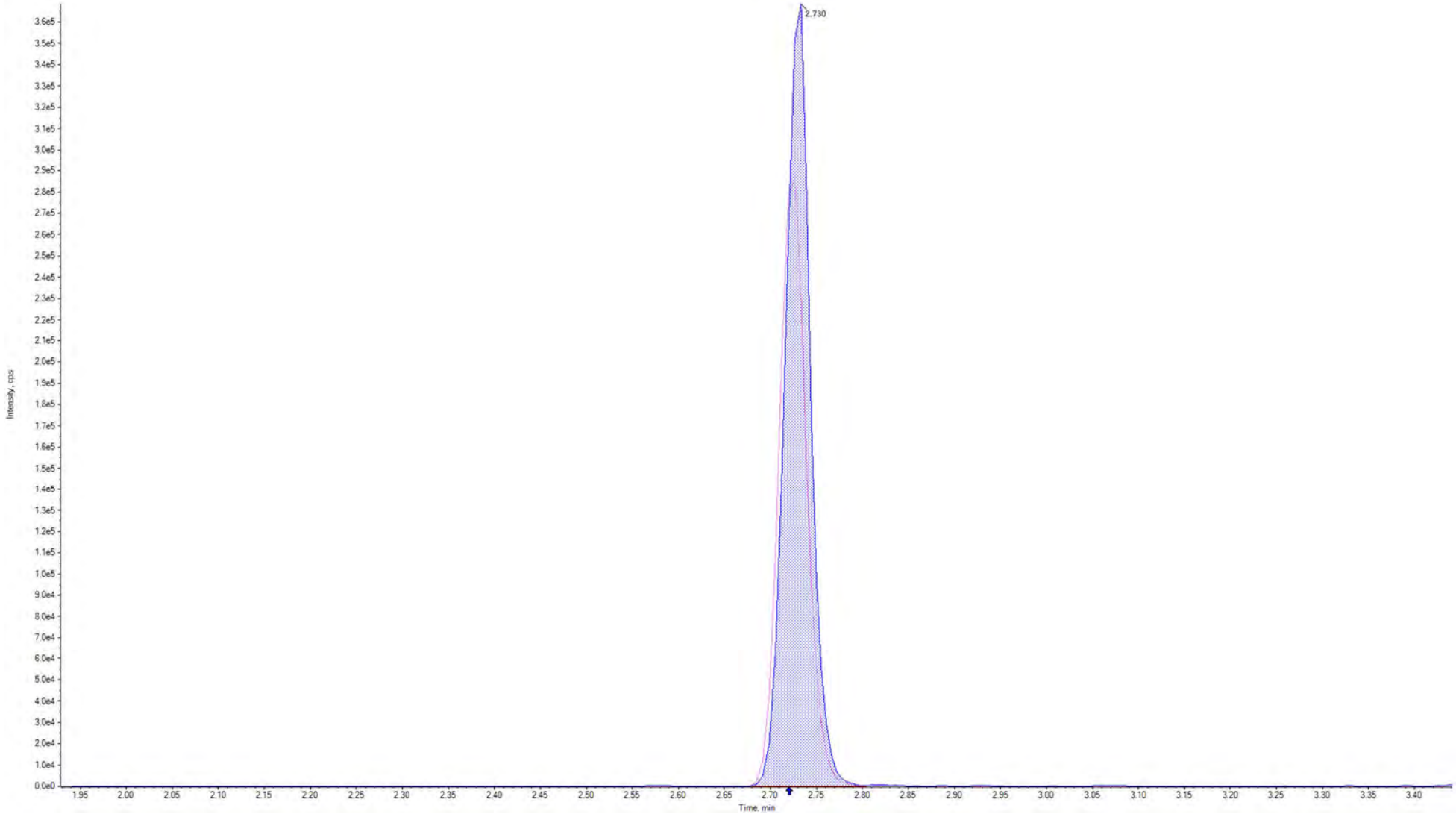
PFHpA
Sample: CA1633STD-10 S/N:13474.5 Points Across peak:36



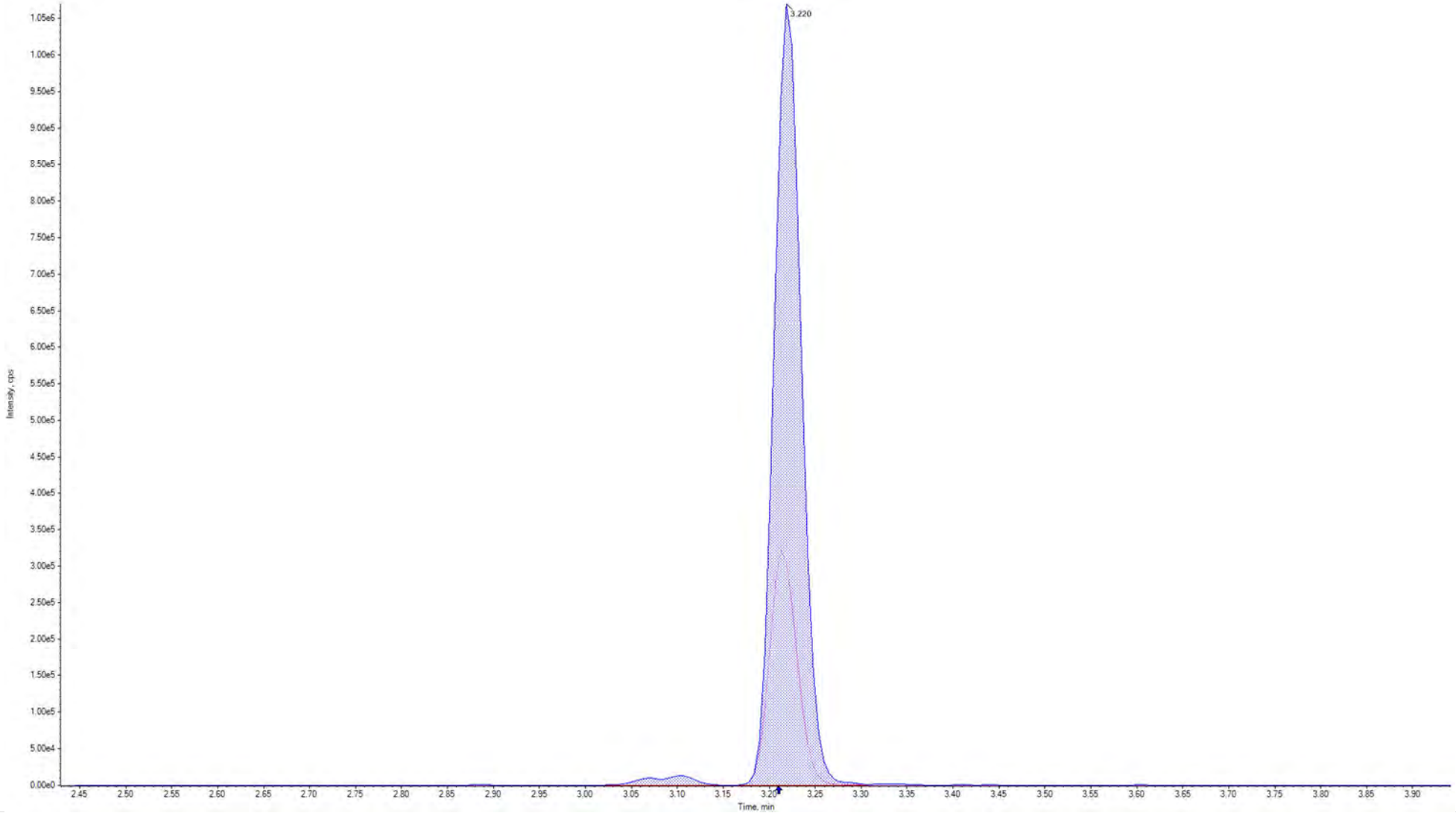
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFHpA_2
Sample: CA1633STD-10 S/N:5541.1 Points Across peak:24



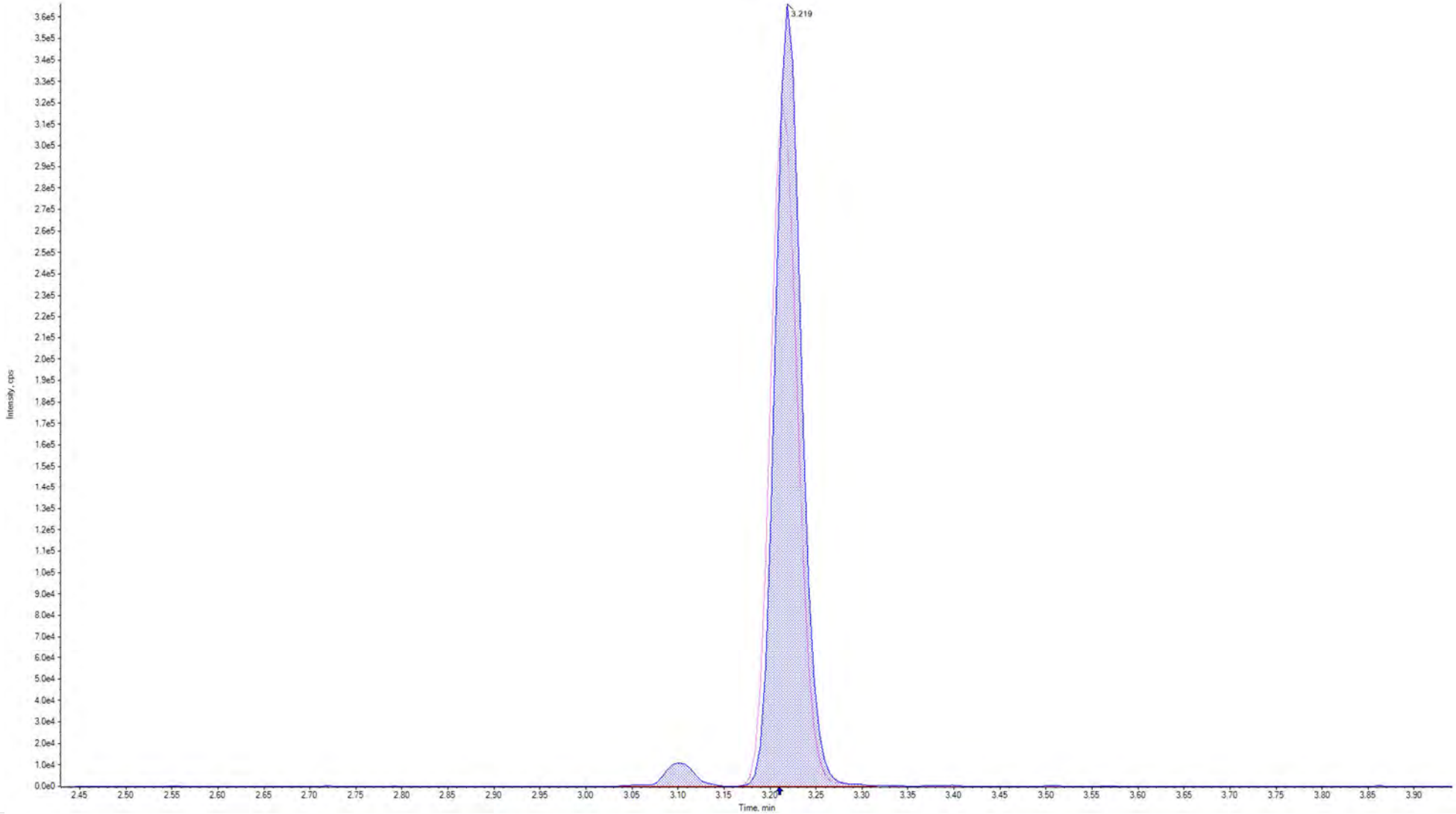
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFOA
Sample: CA1633STD-10 S/N:3267.4 Points Across peak:52



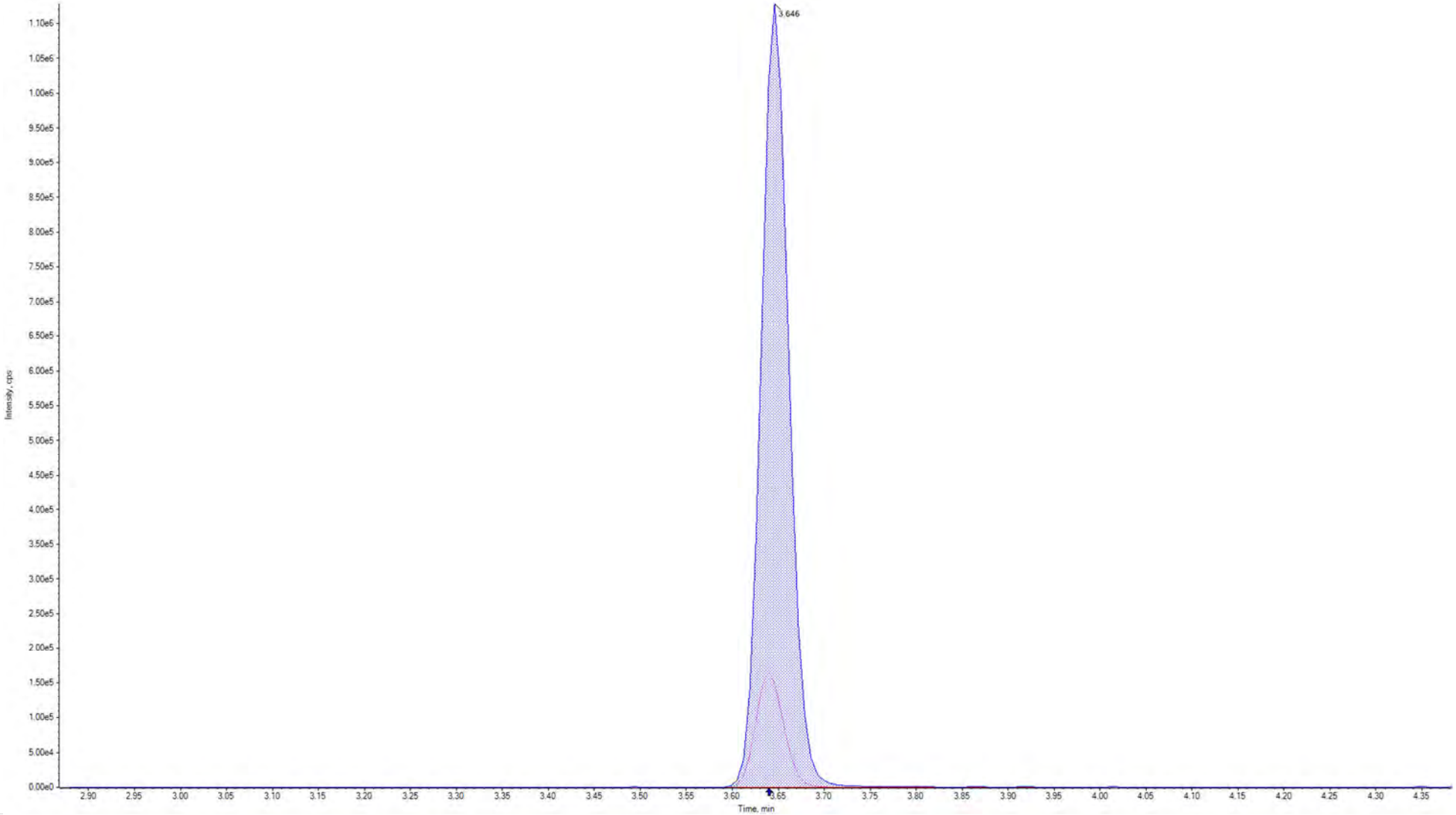
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFOA_2
Sample: CA1633STD-10 S/N:2893.8 Points Across peak:51



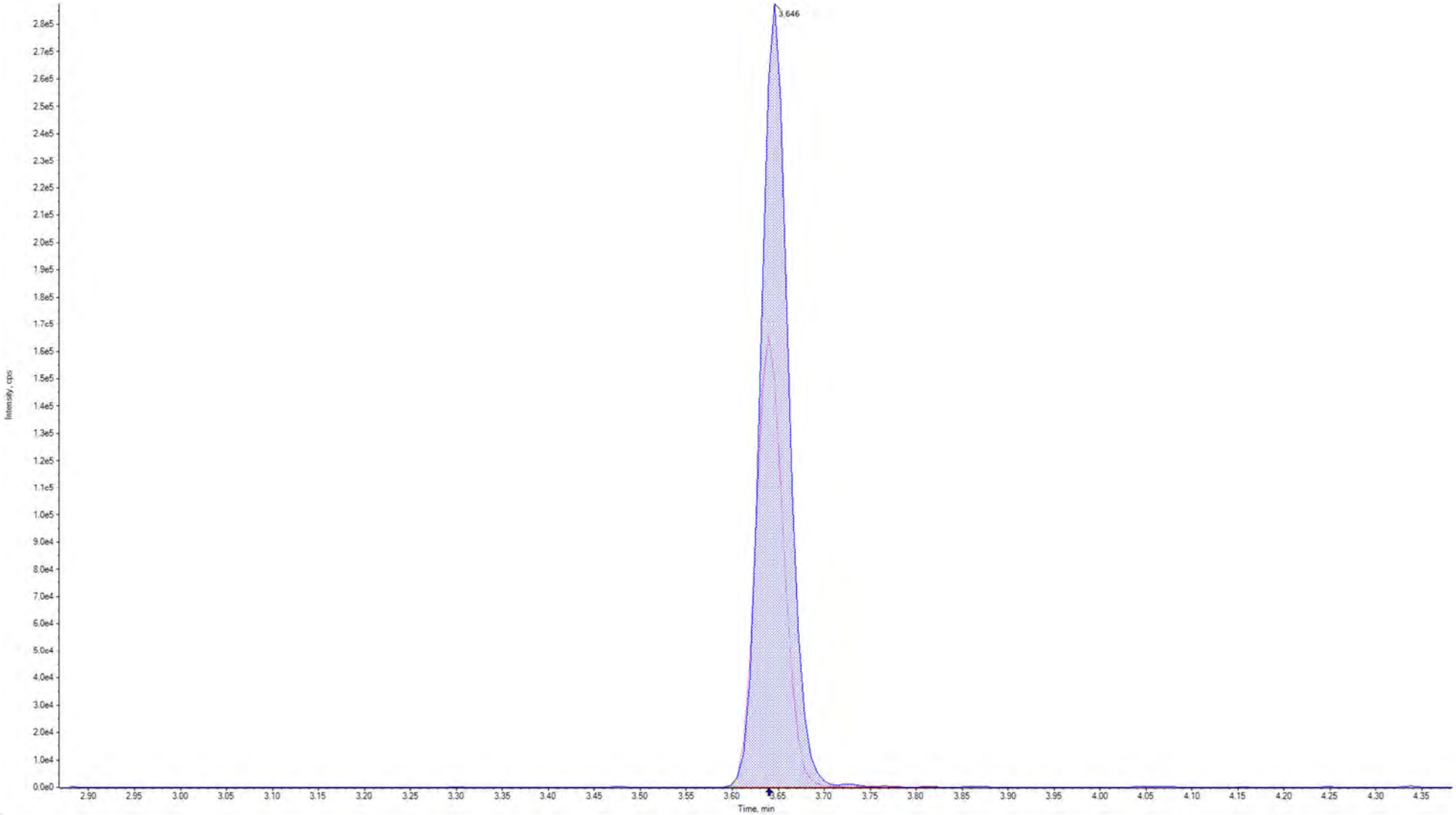
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFNA
Sample: CA1633STD-10 S/N:3329.9 Points Across peak:53



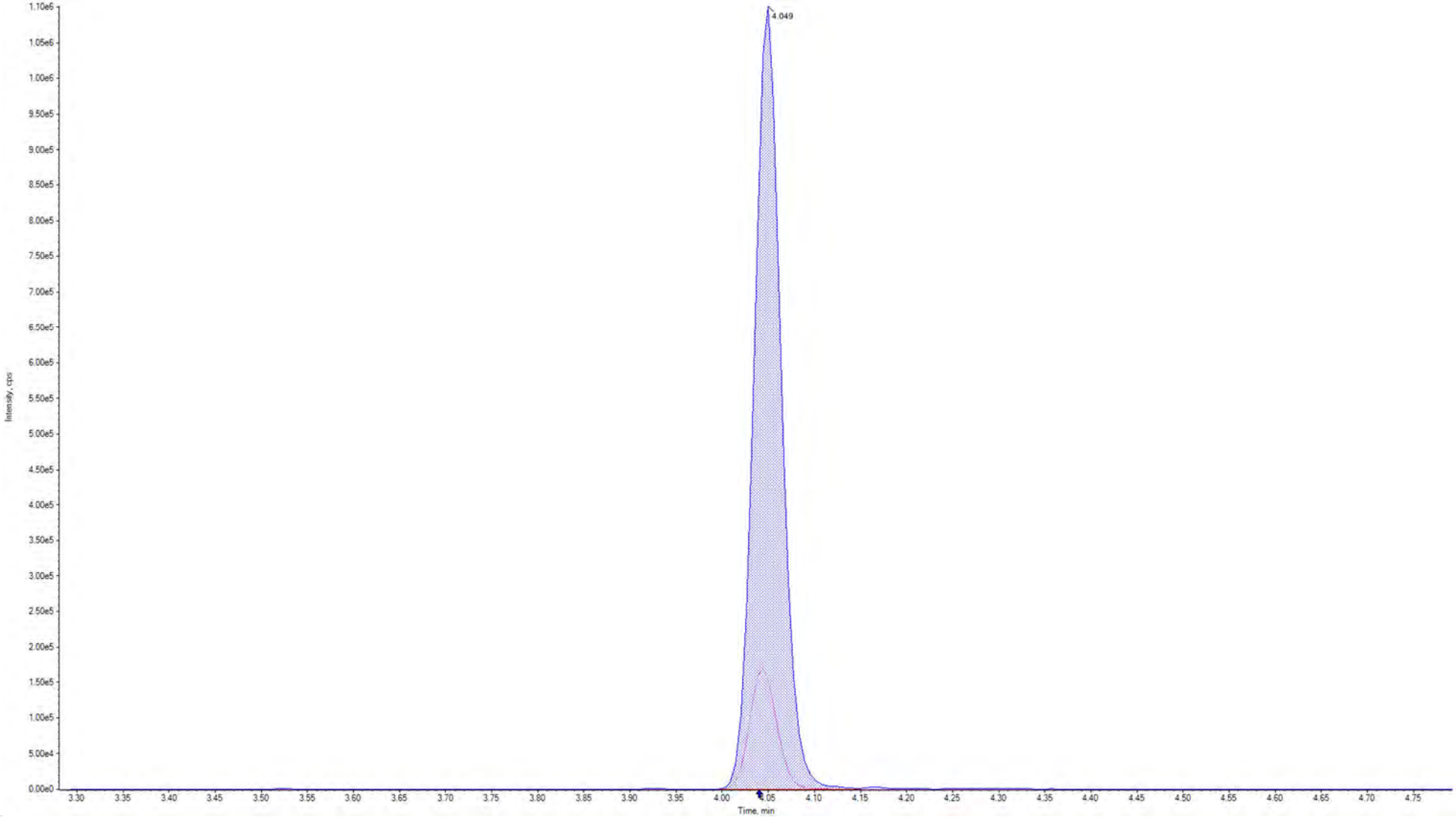
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFNA_2
Sample: CA1633STD-10 S/N:2996.4 Points Across peak:39



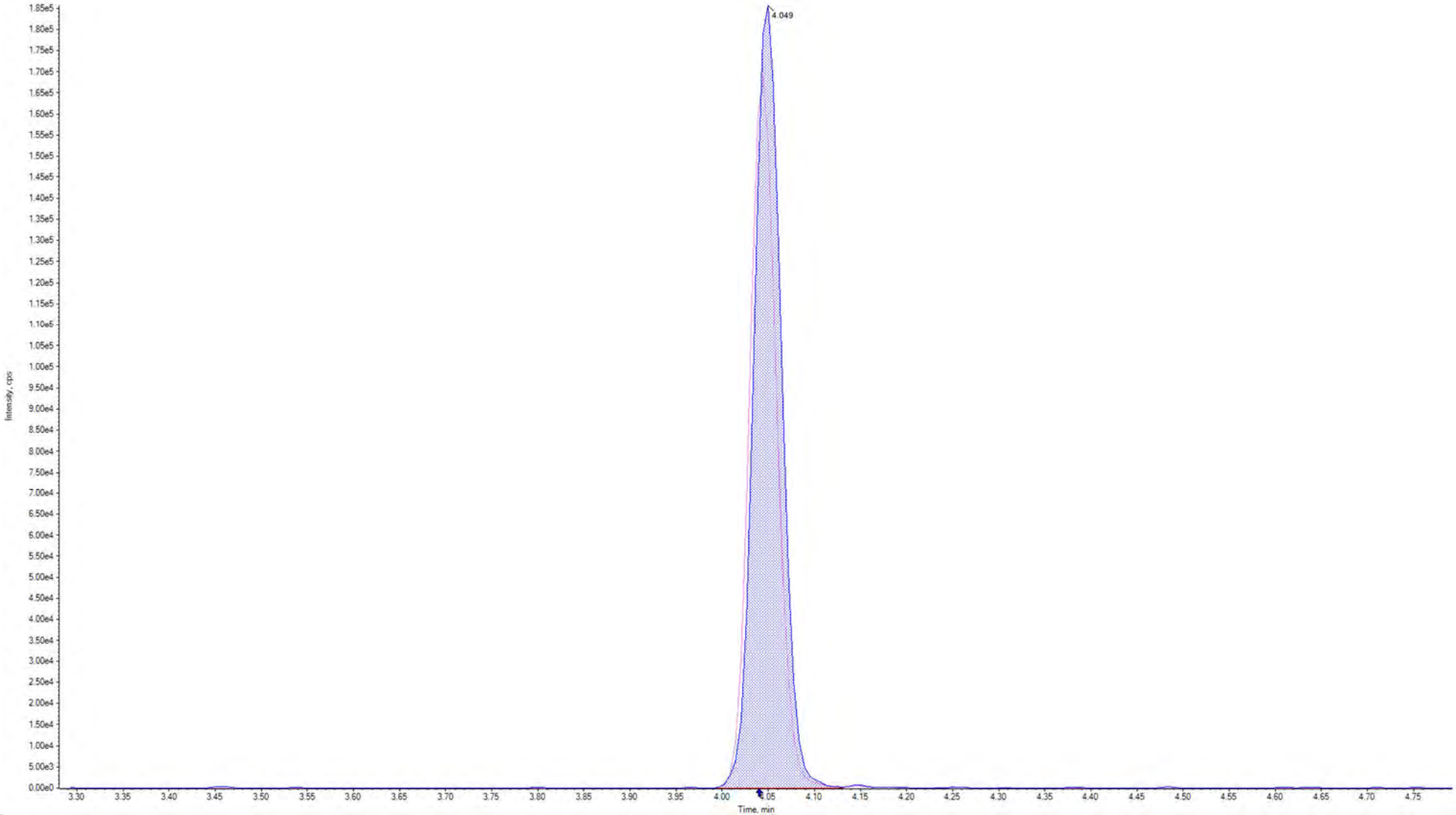
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFDA
Sample: CA1633STD-10 S/N:13798.5 Points Across peak:29



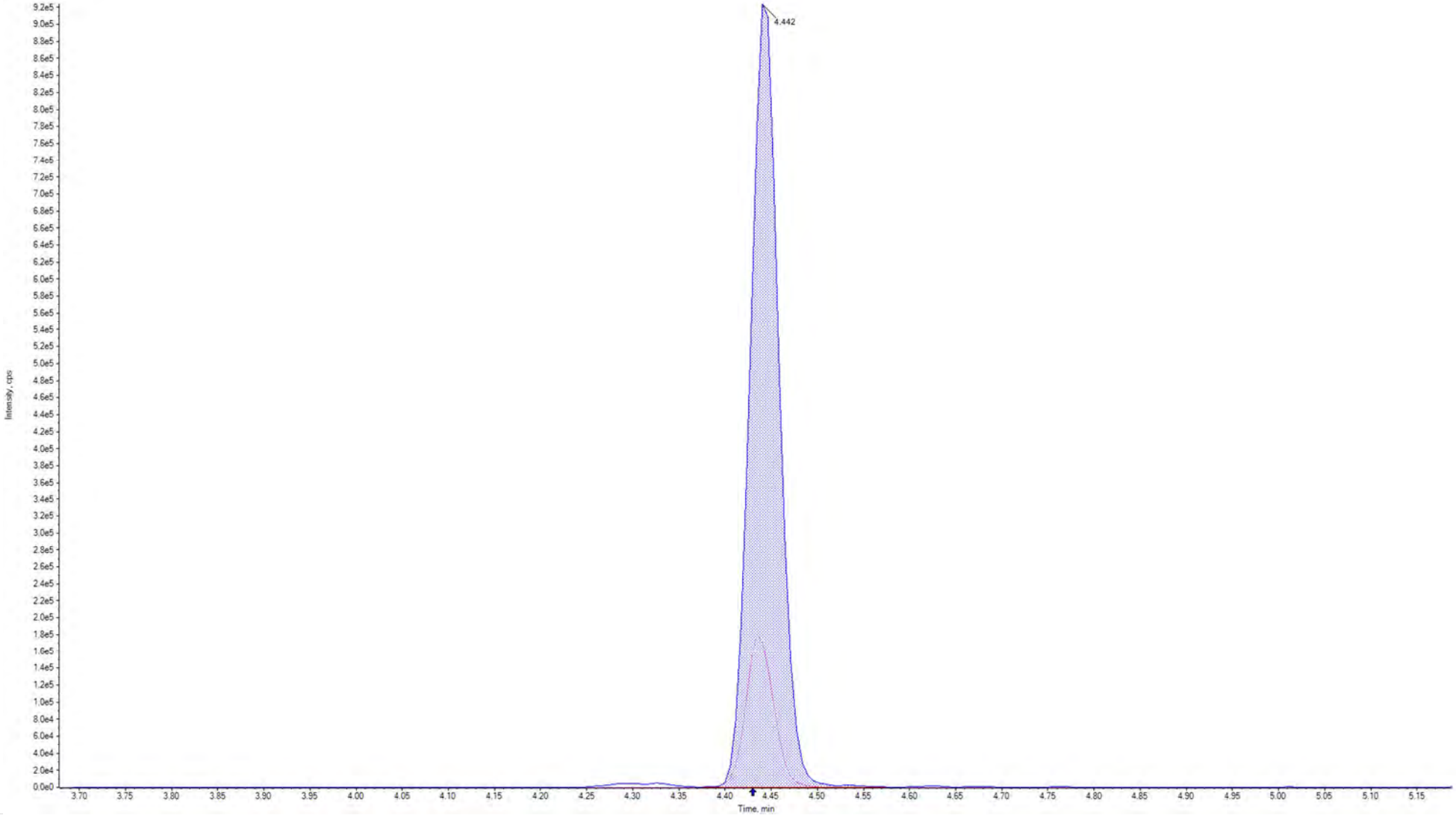
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFDA_2
Sample: CA1633STD-10 S/N:2326.6 Points Across peak:26



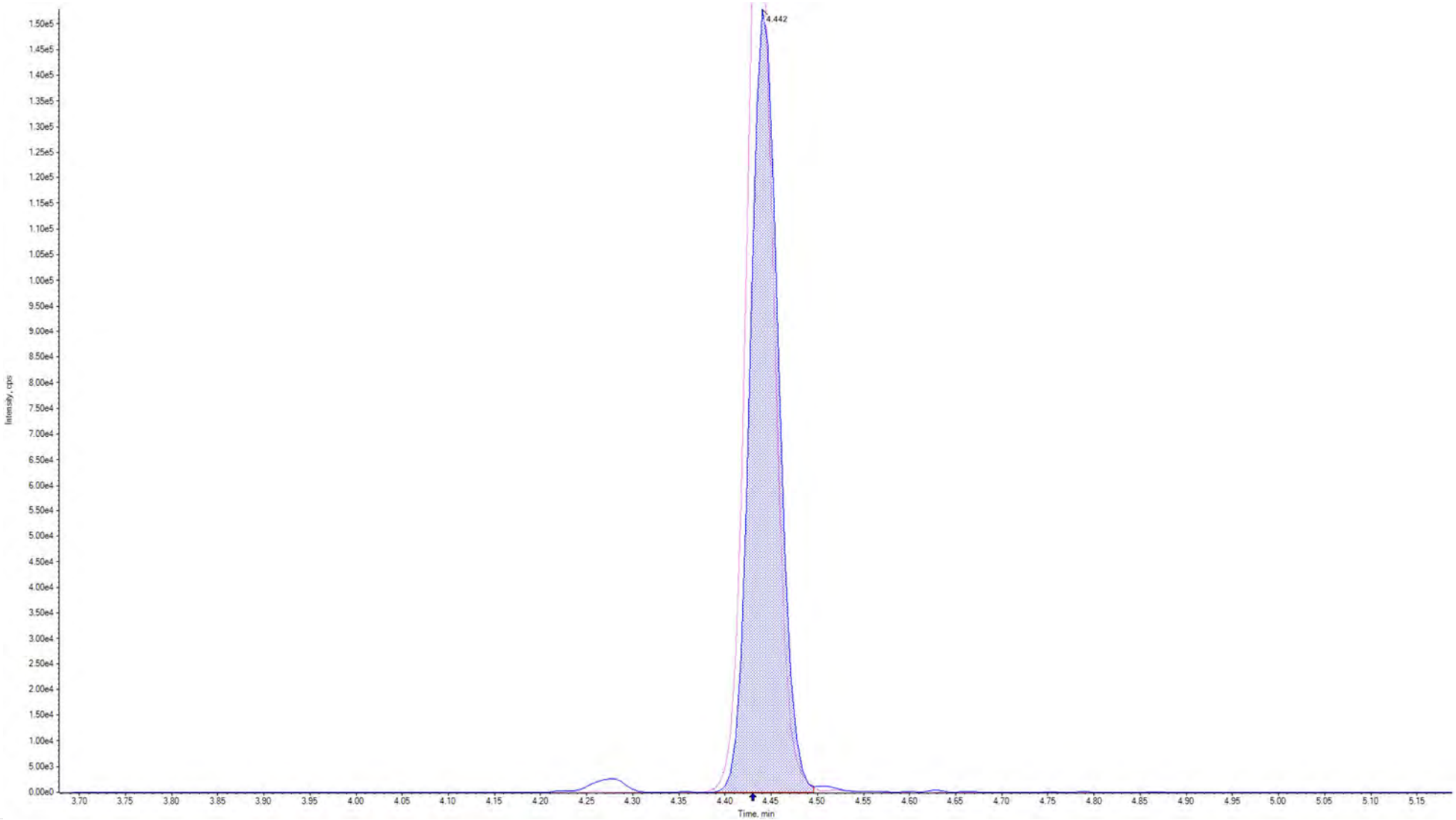
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFUnA
Sample: CA1633STD-10 S/N:5401.9 Points Across peak:35



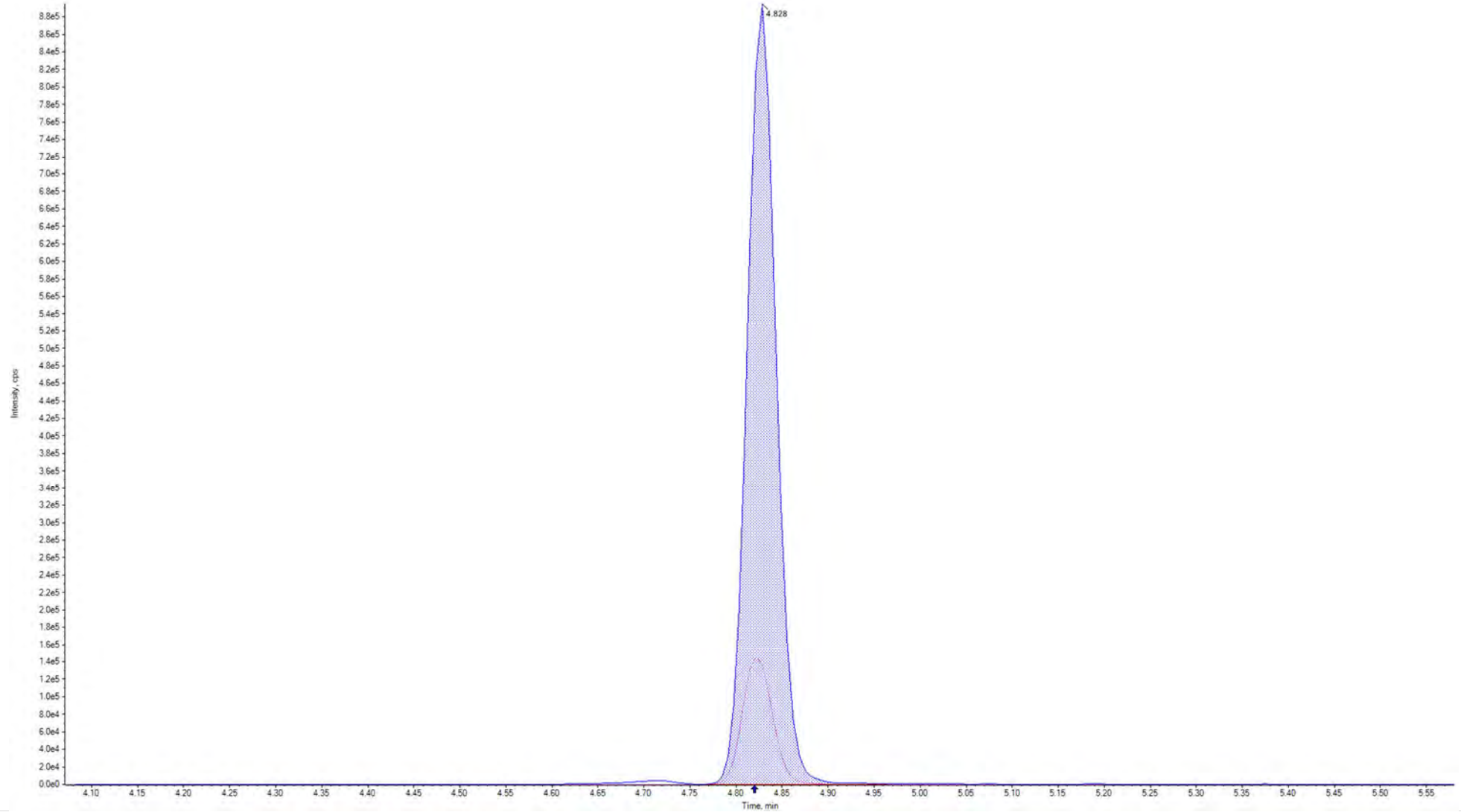
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFUnA_2
Sample: CA1633STD-10 S/N:2298.7 Points Across peak:21



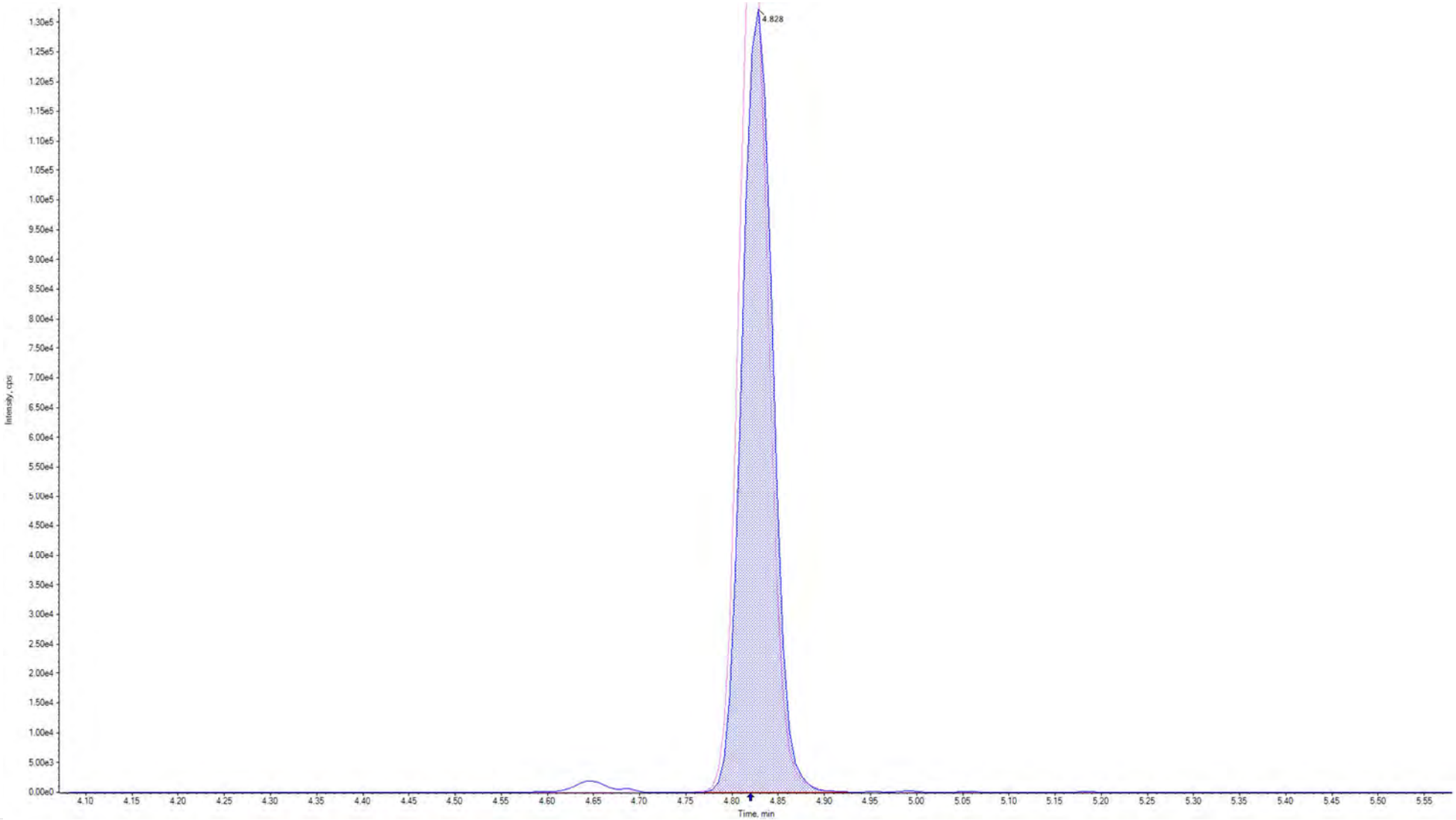
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFDoA
Sample: CA1633STD-10 S/N:15695.5 Points Across peak:34



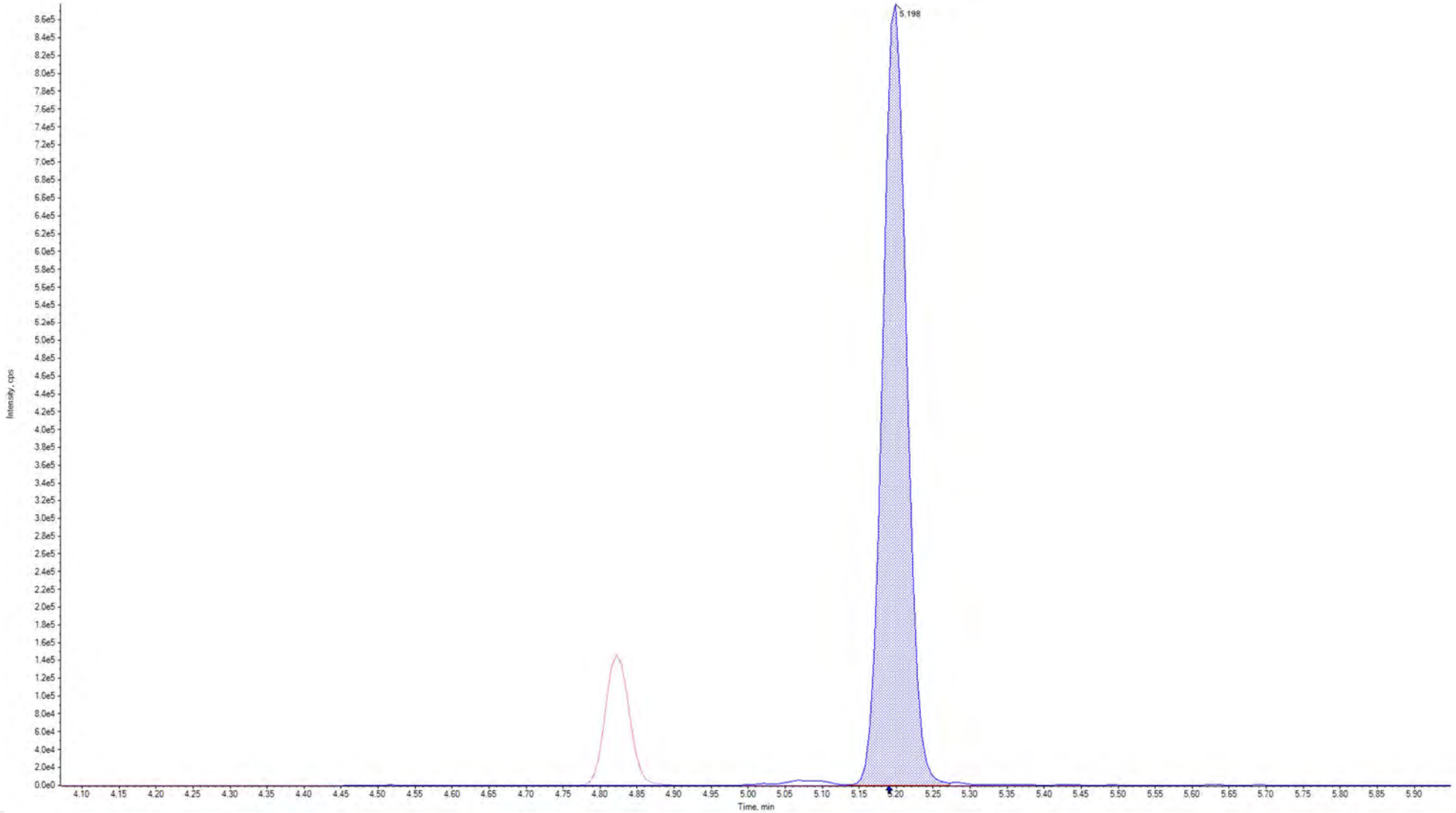
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFDoA_2
Sample: CA1633STD-10 S/N:2319.2 Points Across peak:32



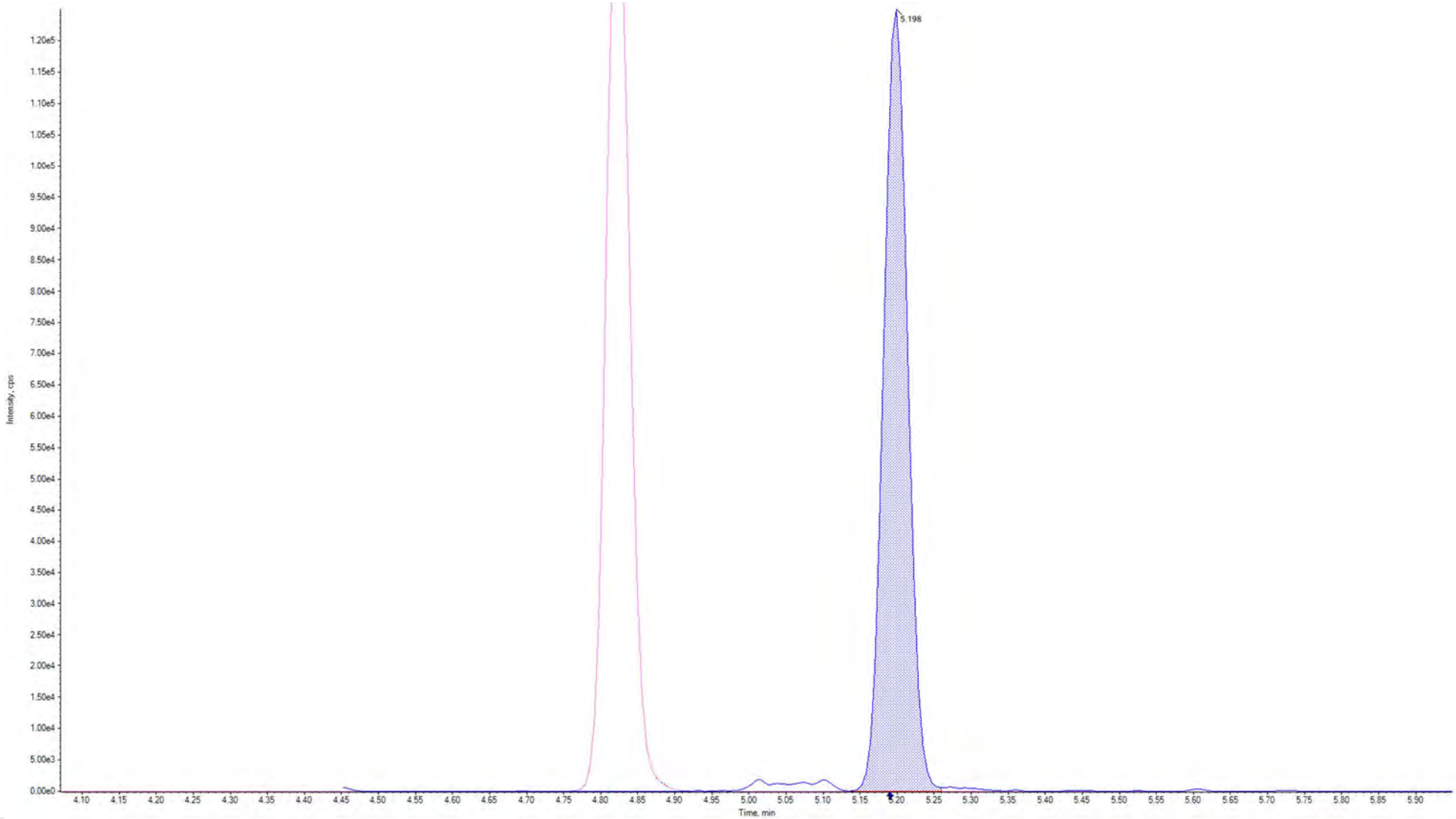
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFTrDA
Sample: CA1633STD-10 S/N:17593.8 Points Across peak:24



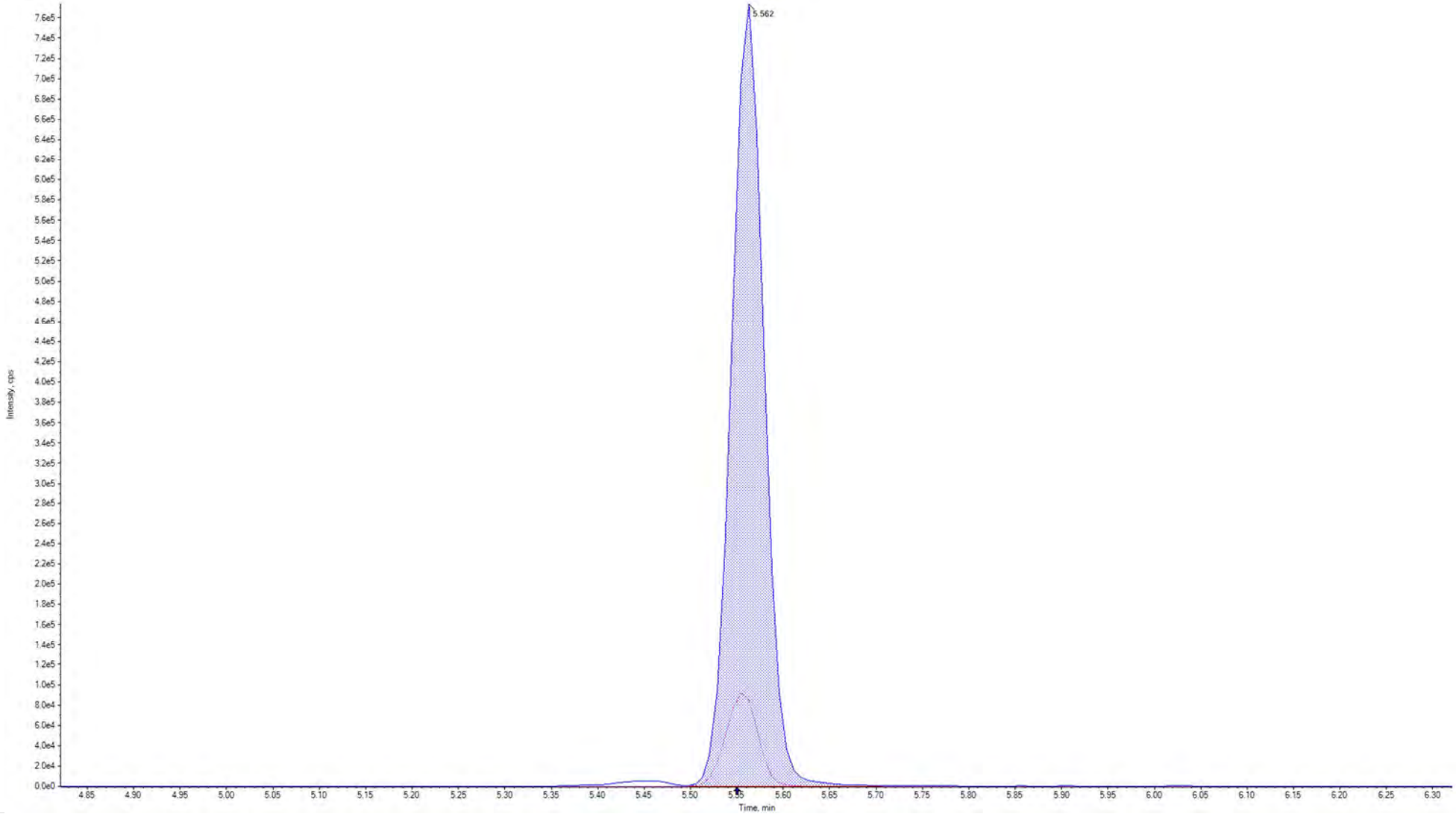
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFTrDA_2
Sample: CA1633STD-10 S/N:2506.3 Points Across peak:22



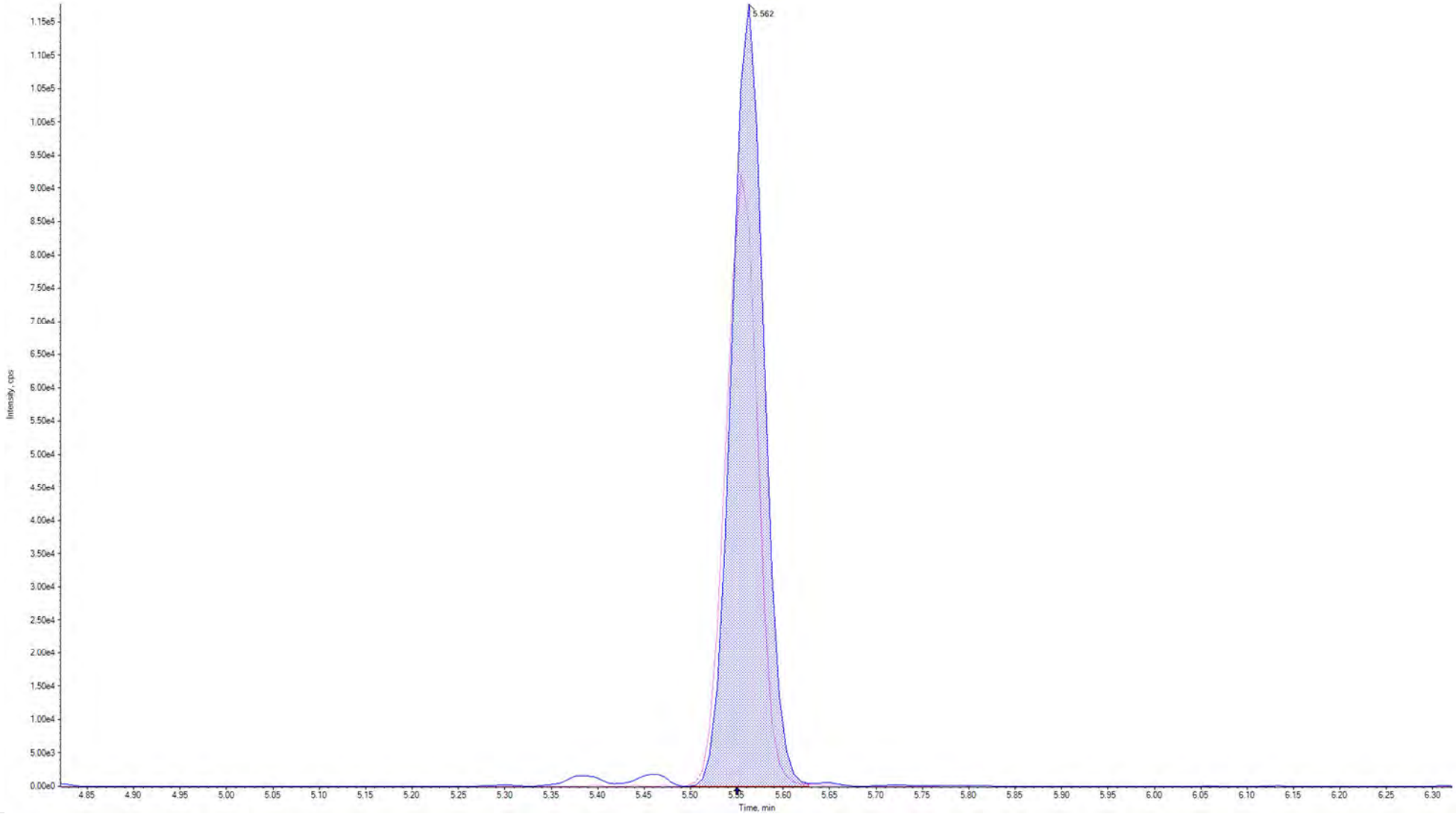
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFTeDA
Sample: CA1633STD-10 S/N:21325.0 Points Across peak:27



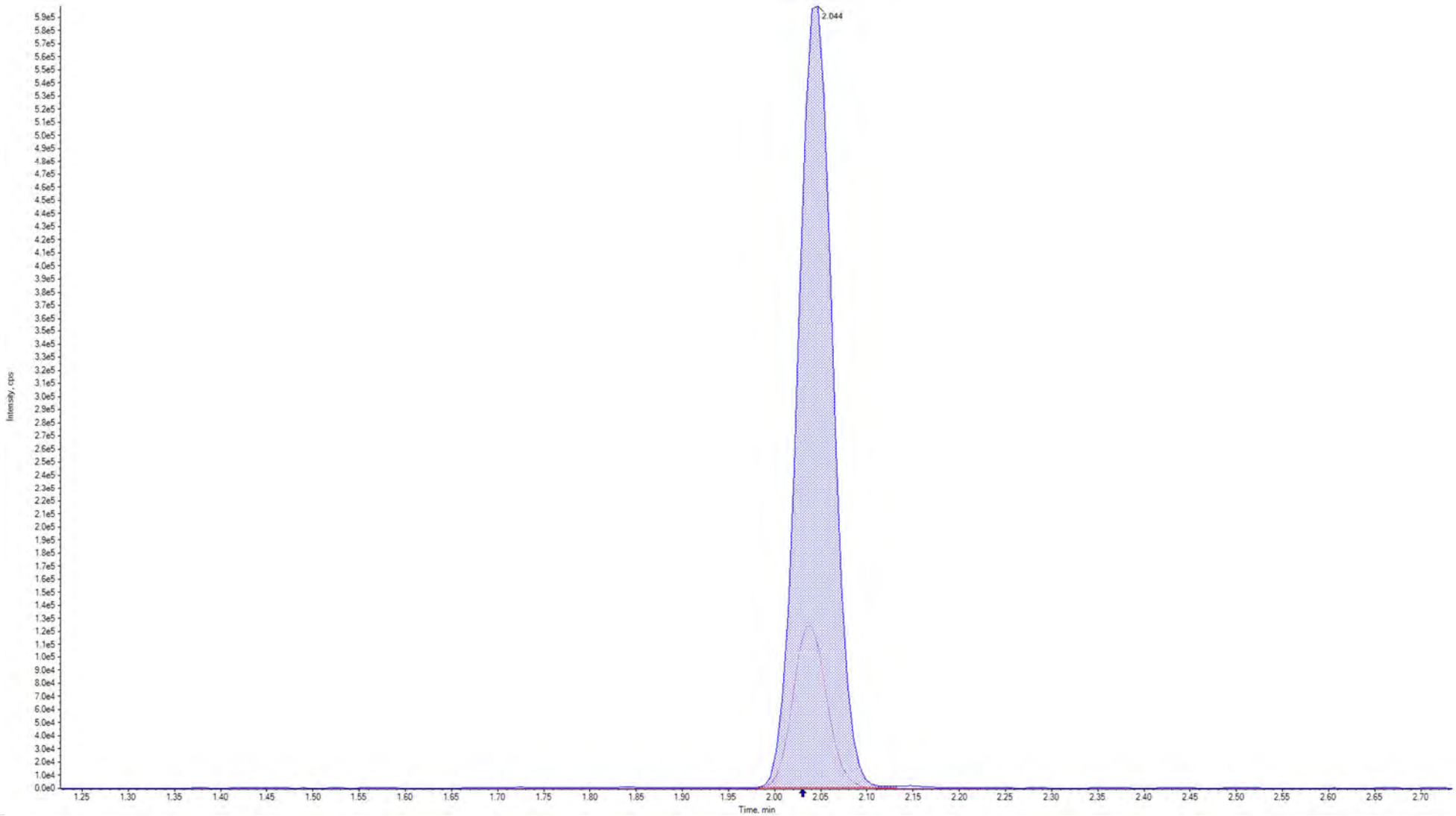
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFTeDA_2
Sample: CA1633STD-10 S/N:2837.1 Points Across peak:17



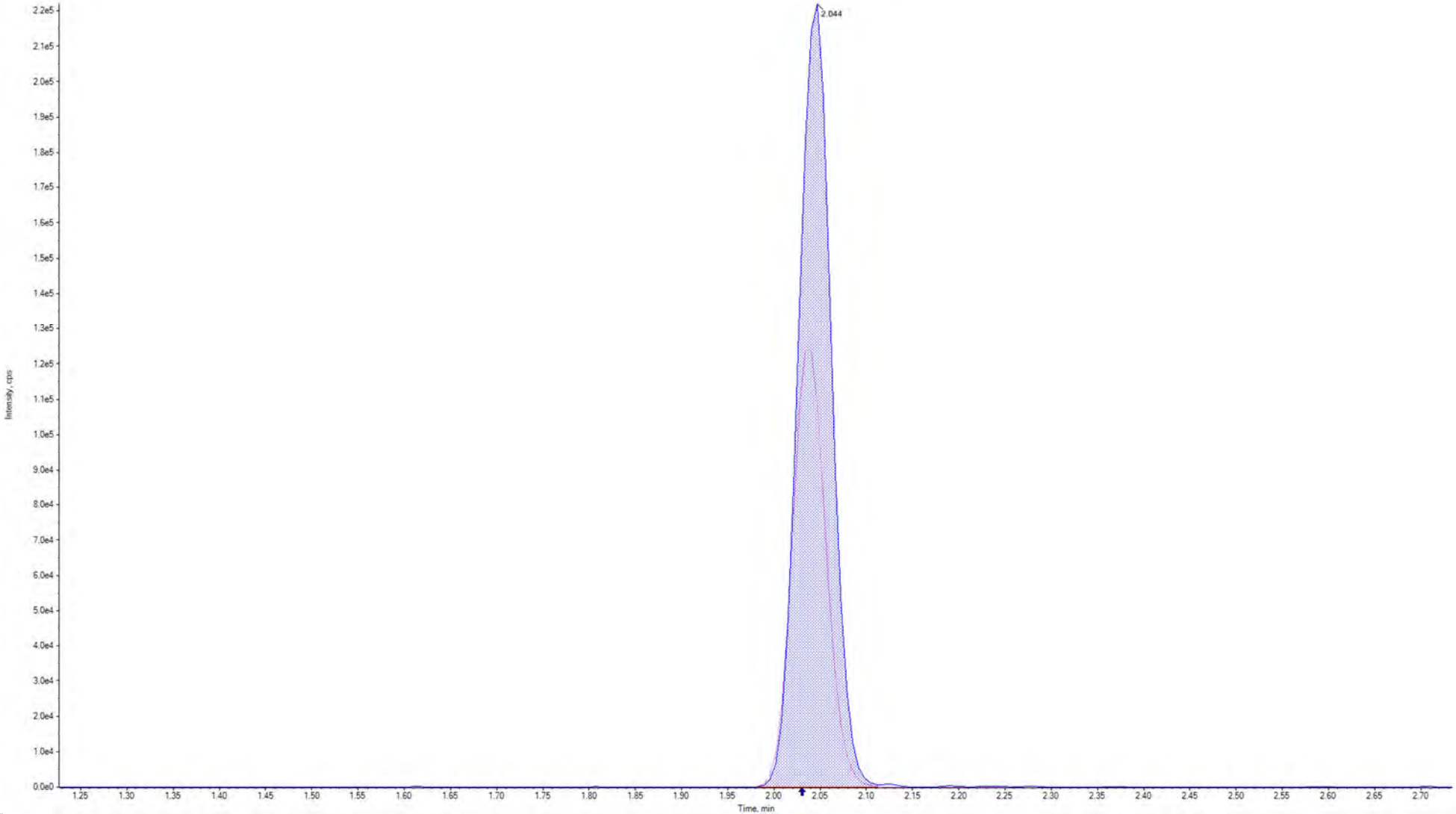
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFBS
Sample: CA1633STD-10 S/N:11846.9 Points Across peak:28



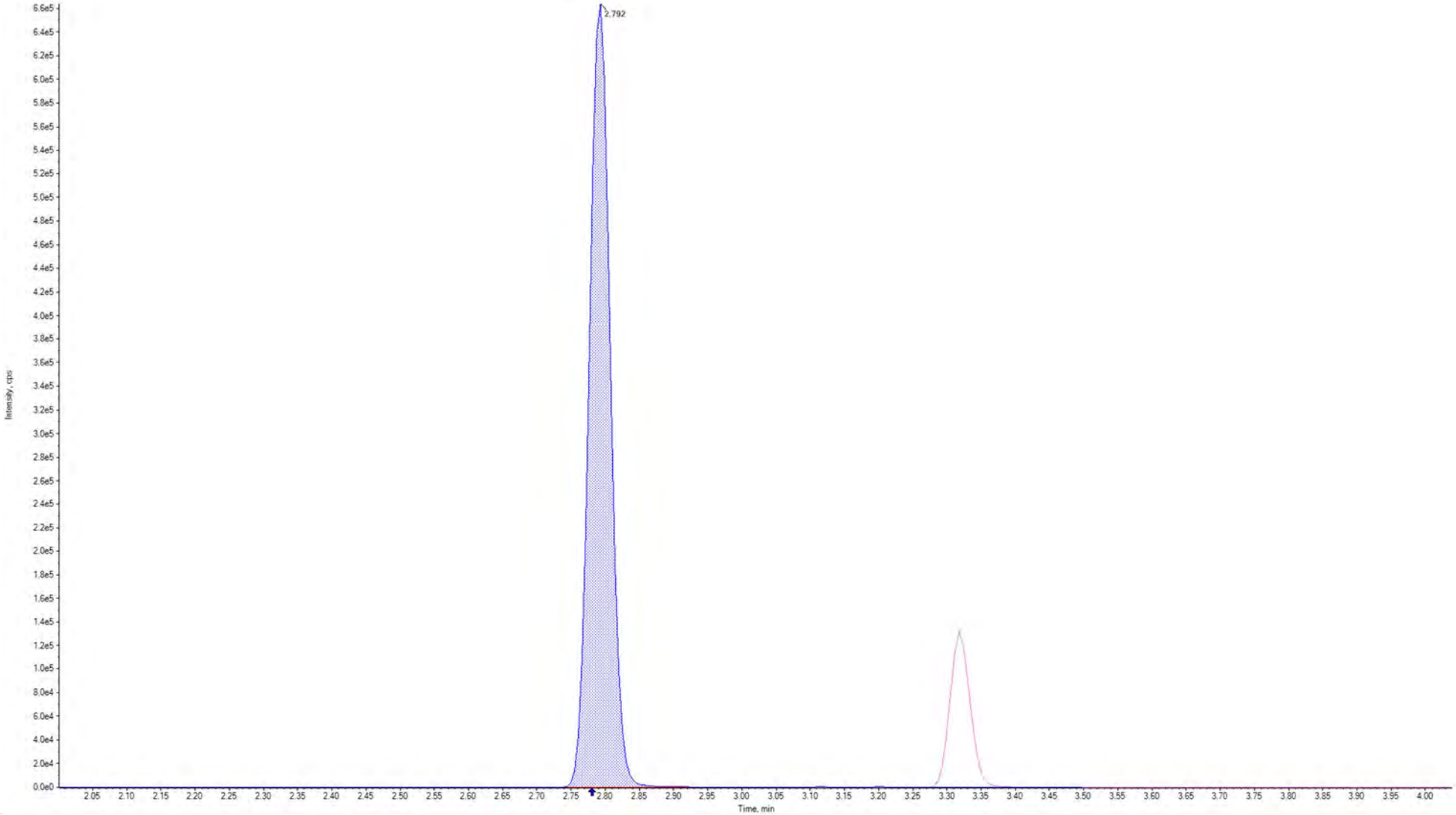
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFBS_2
Sample: CA1633STD-10 S/N:4450.1 Points Across peak:24



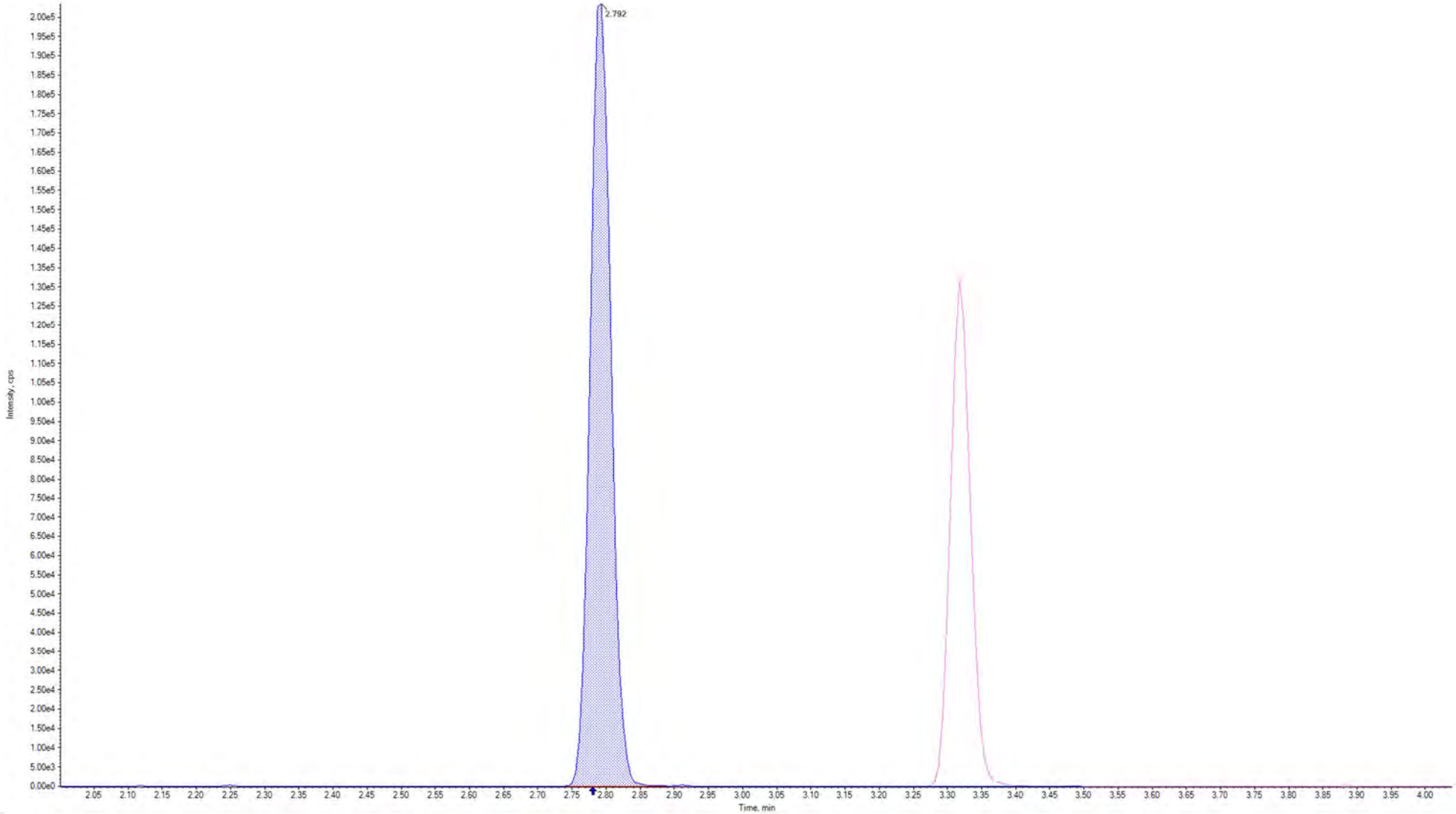
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFPeS
Sample: CA1633STD-10 S/N:9579.8 Points Across peak:43



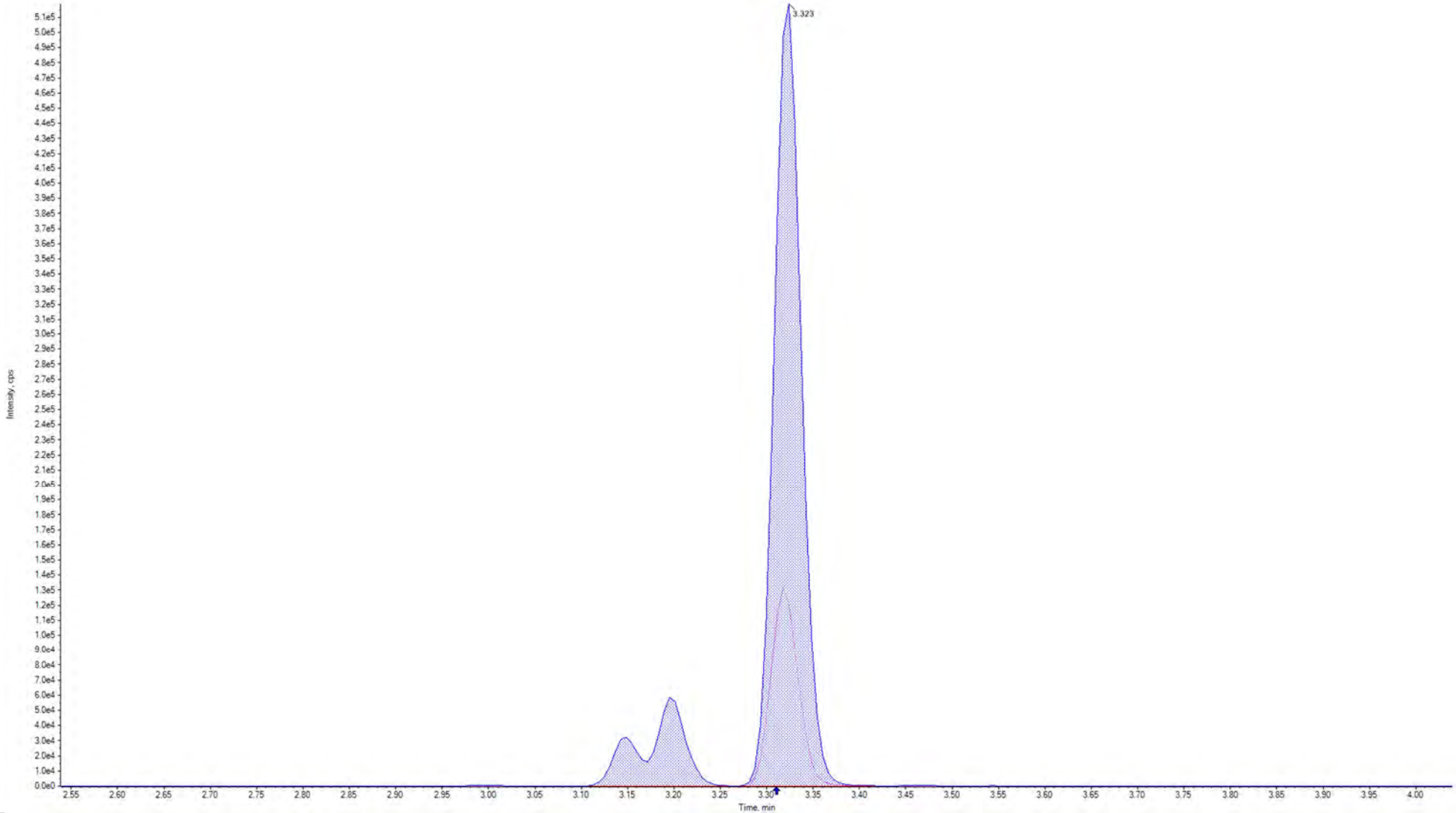
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFPeS_2
Sample: CA1633STD-10 S/N:3059.4 Points Across peak:37



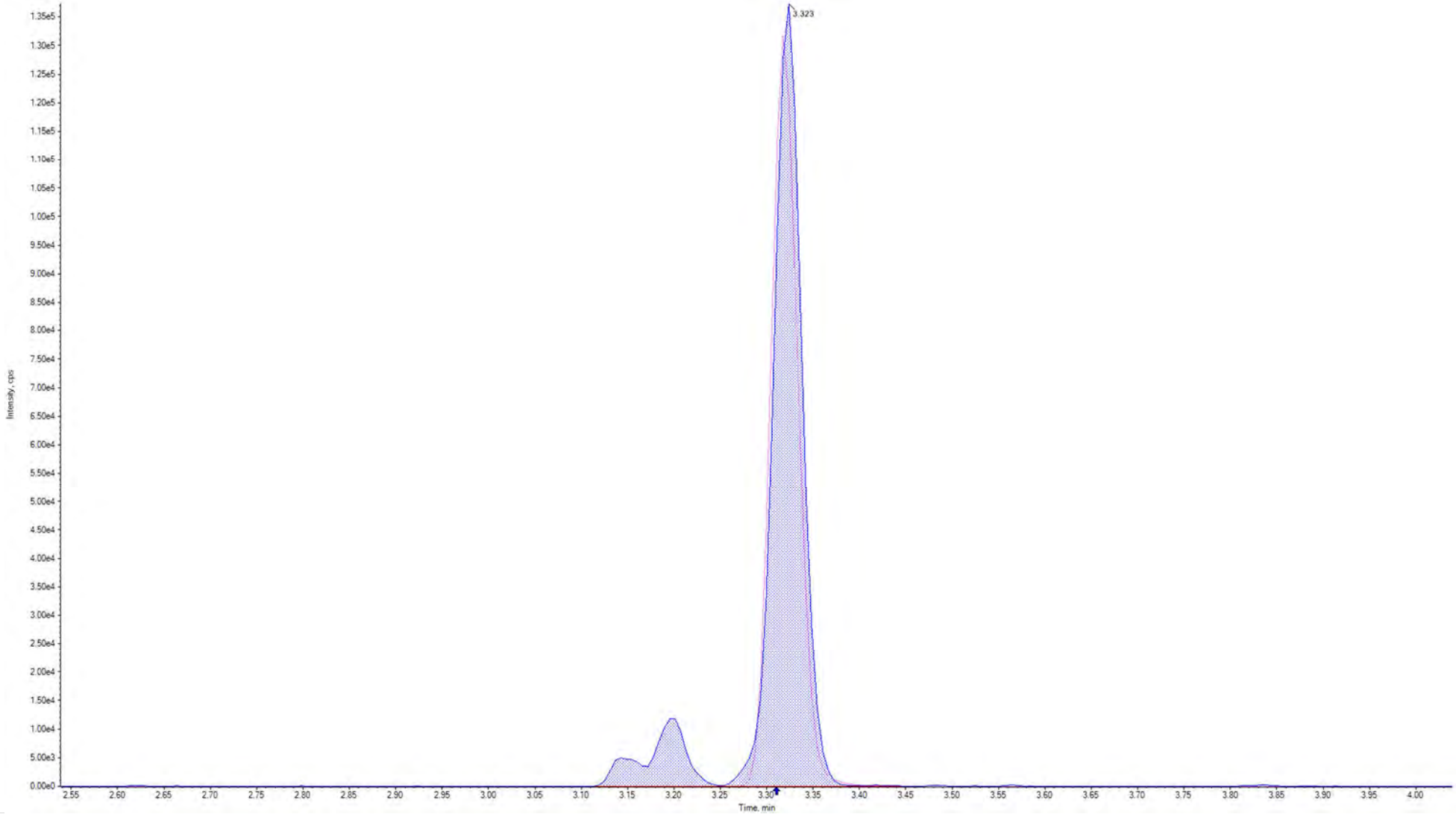
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFHxS
Sample: CA1633STD-10 S/N:2213.7 Points Across peak:57



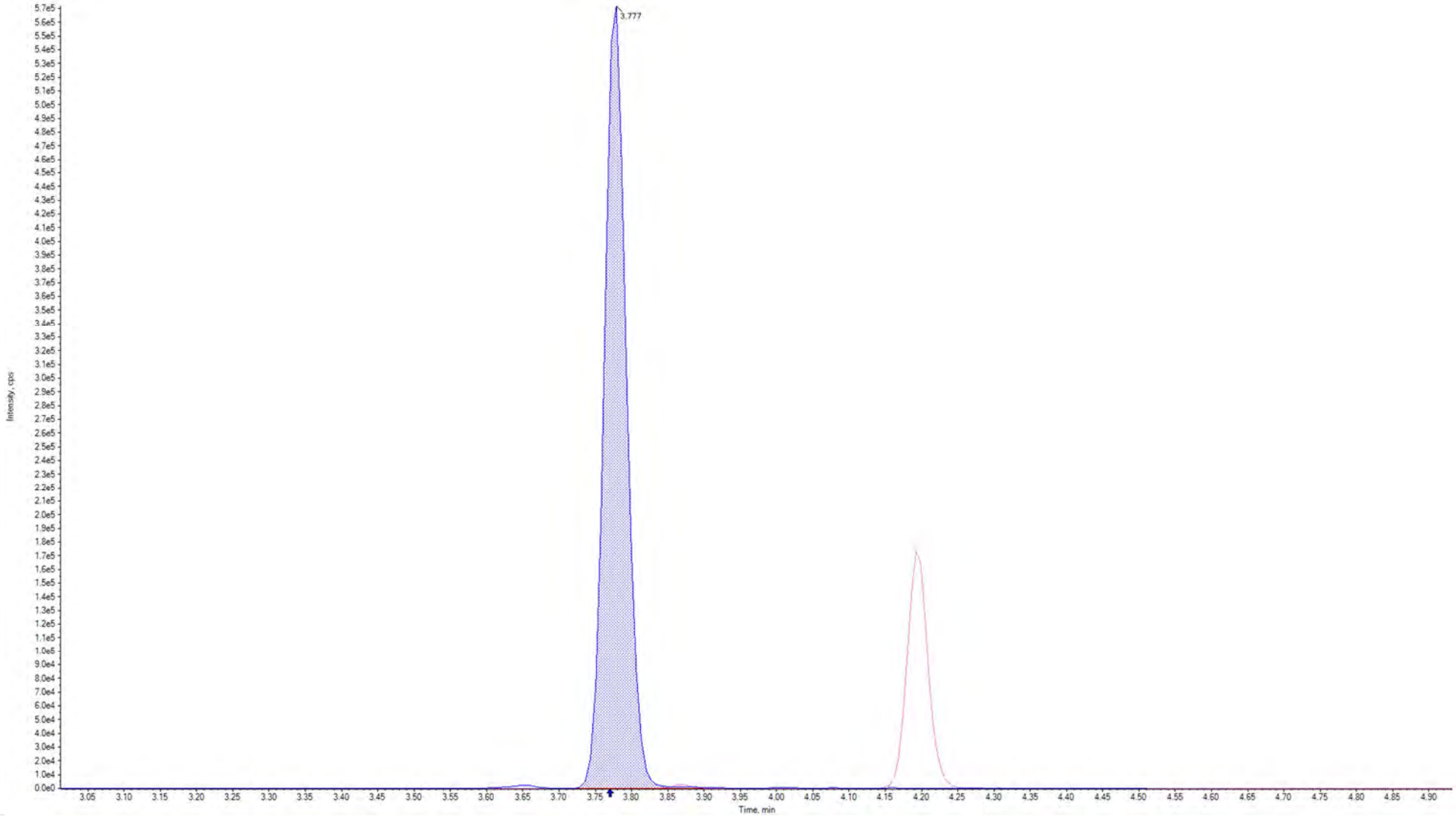
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFHxS_2
Sample: CA1633STD-10 S/N:1720.1 Points Across peak:59



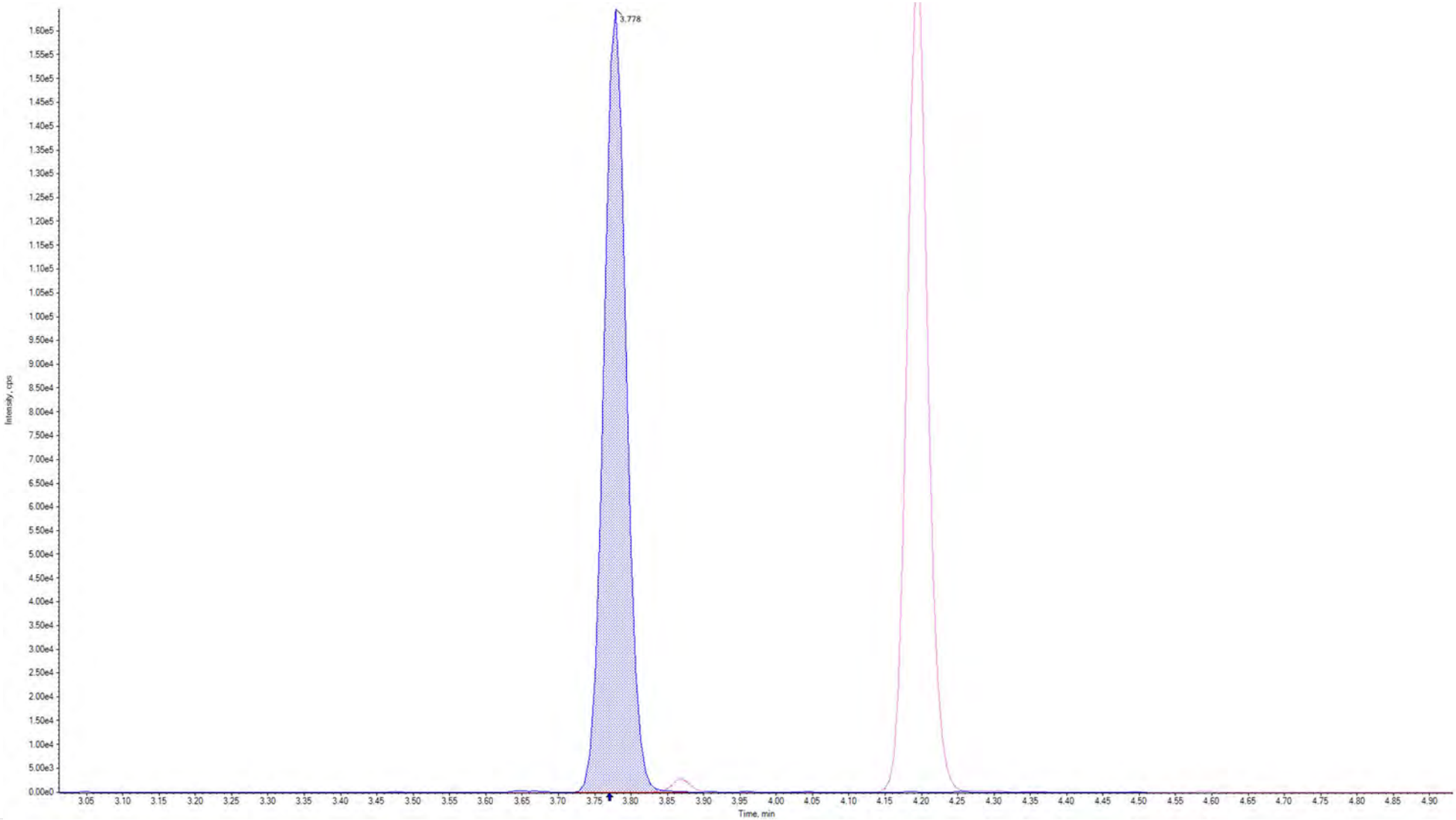
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFHpS
Sample: CA1633STD-10 S/N:6944.9 Points Across peak:28



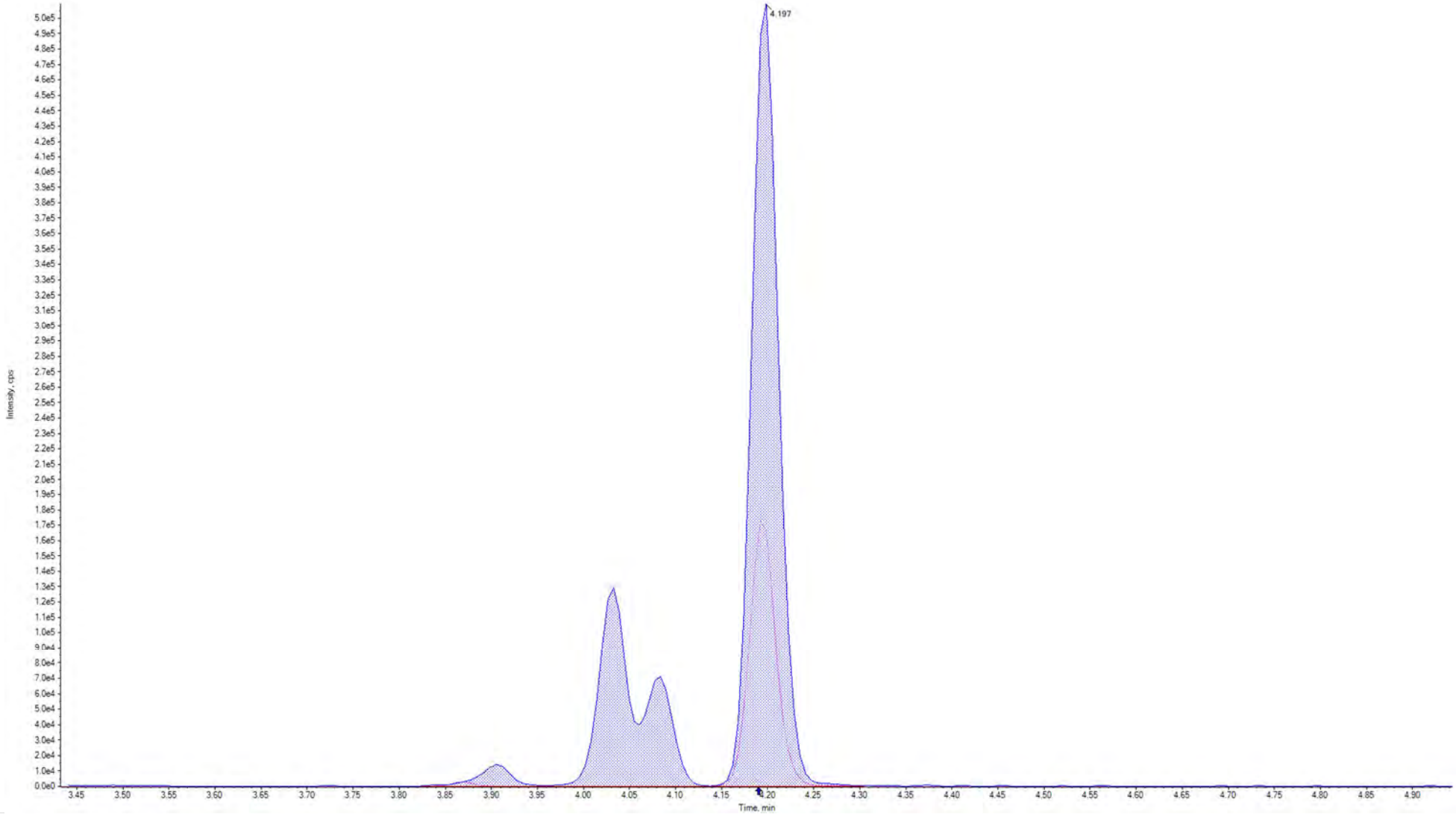
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFHpS_2
Sample: CA1633STD-10 S/N:2061.4 Points Across peak:26



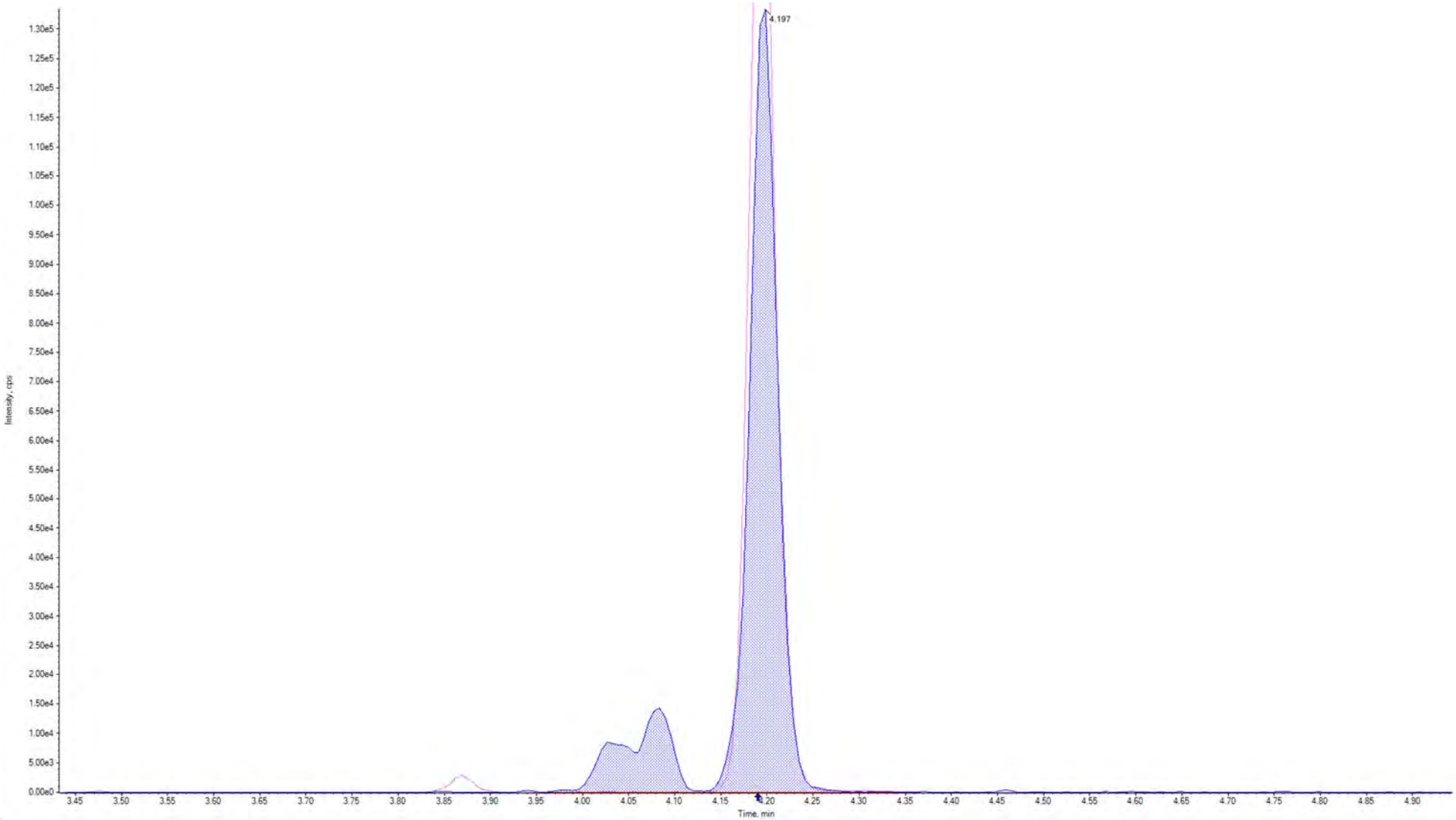
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFOS
Sample: CA1633STD-10 S/N:891.9 Points Across peak:79



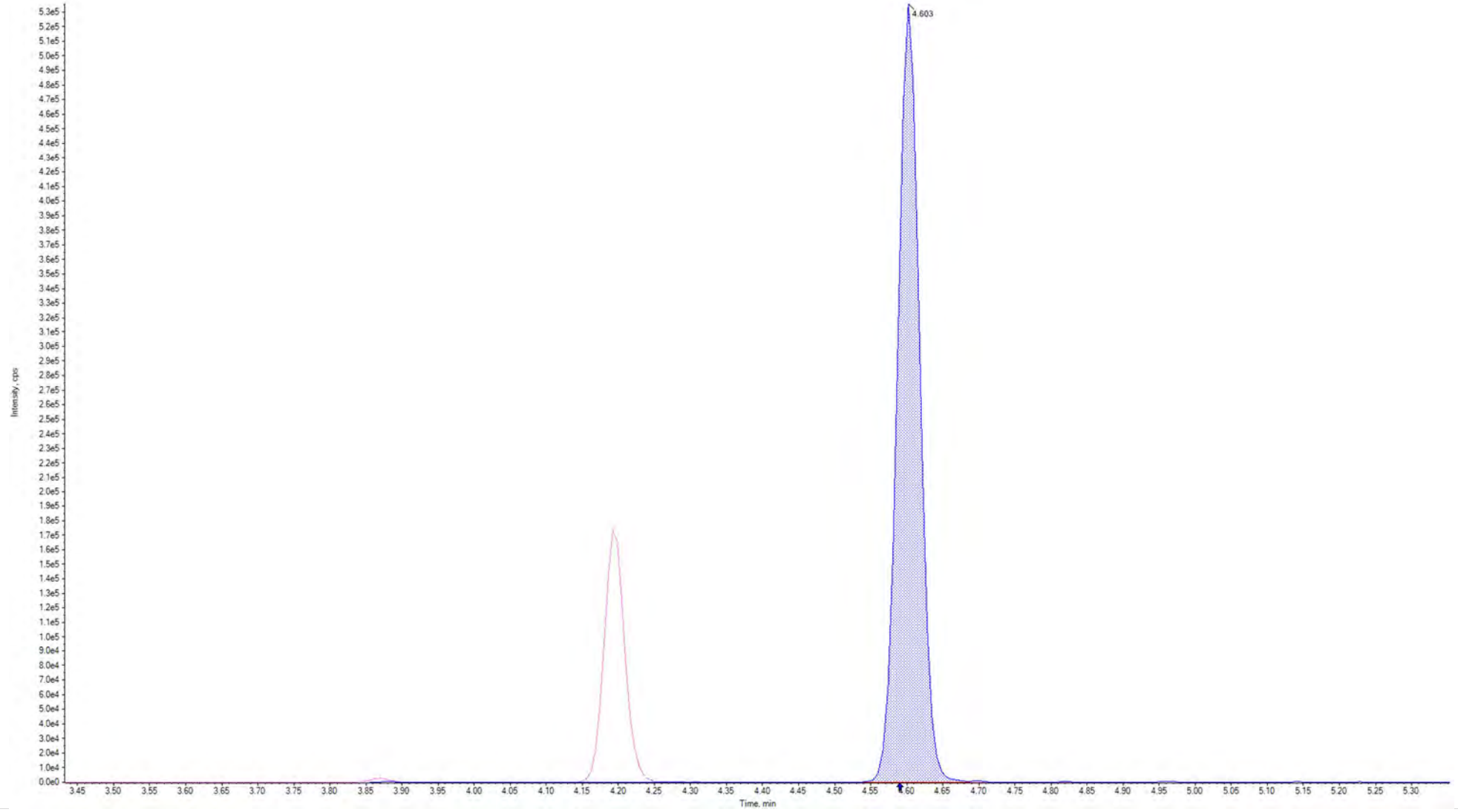
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFOS_2
Sample: CA1633STD-10 S/N:1421.0 Points Across peak:65



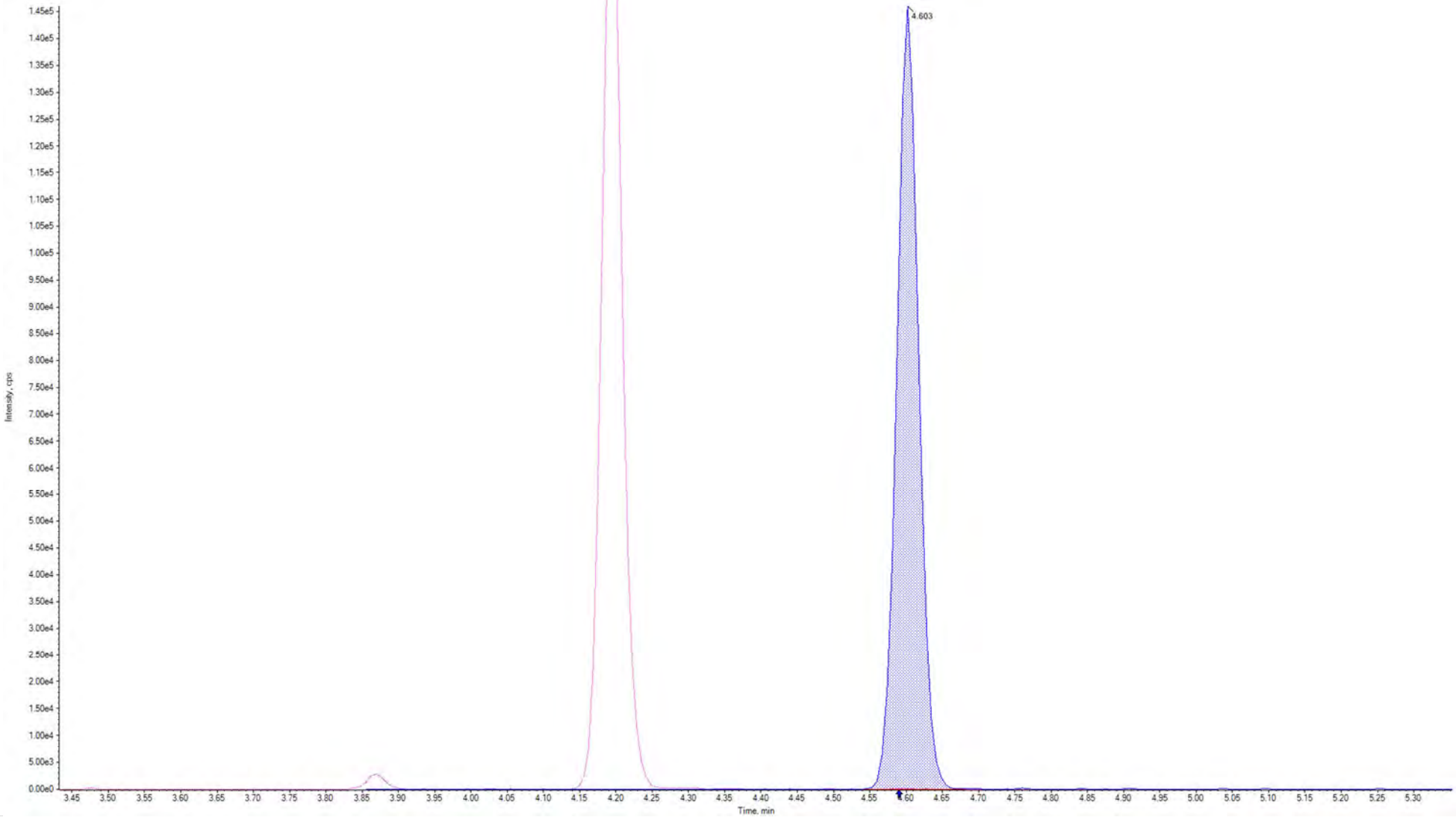
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFNS
Sample: CA1633STD-10 S/N:5764.9 Points Across peak:26



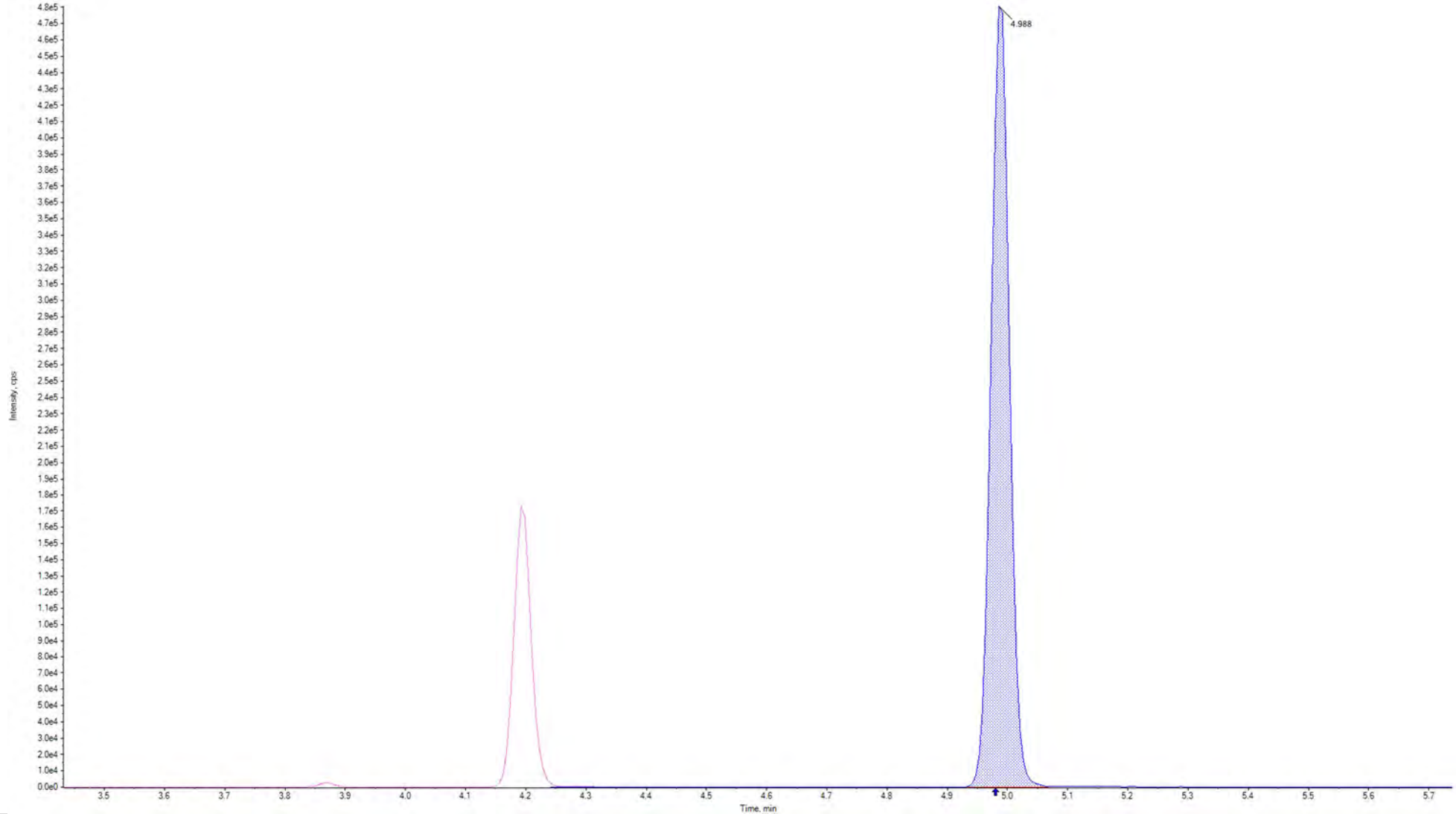
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFNS_2
Sample: CA1633STD-10 S/N:2195.3 Points Across peak:26



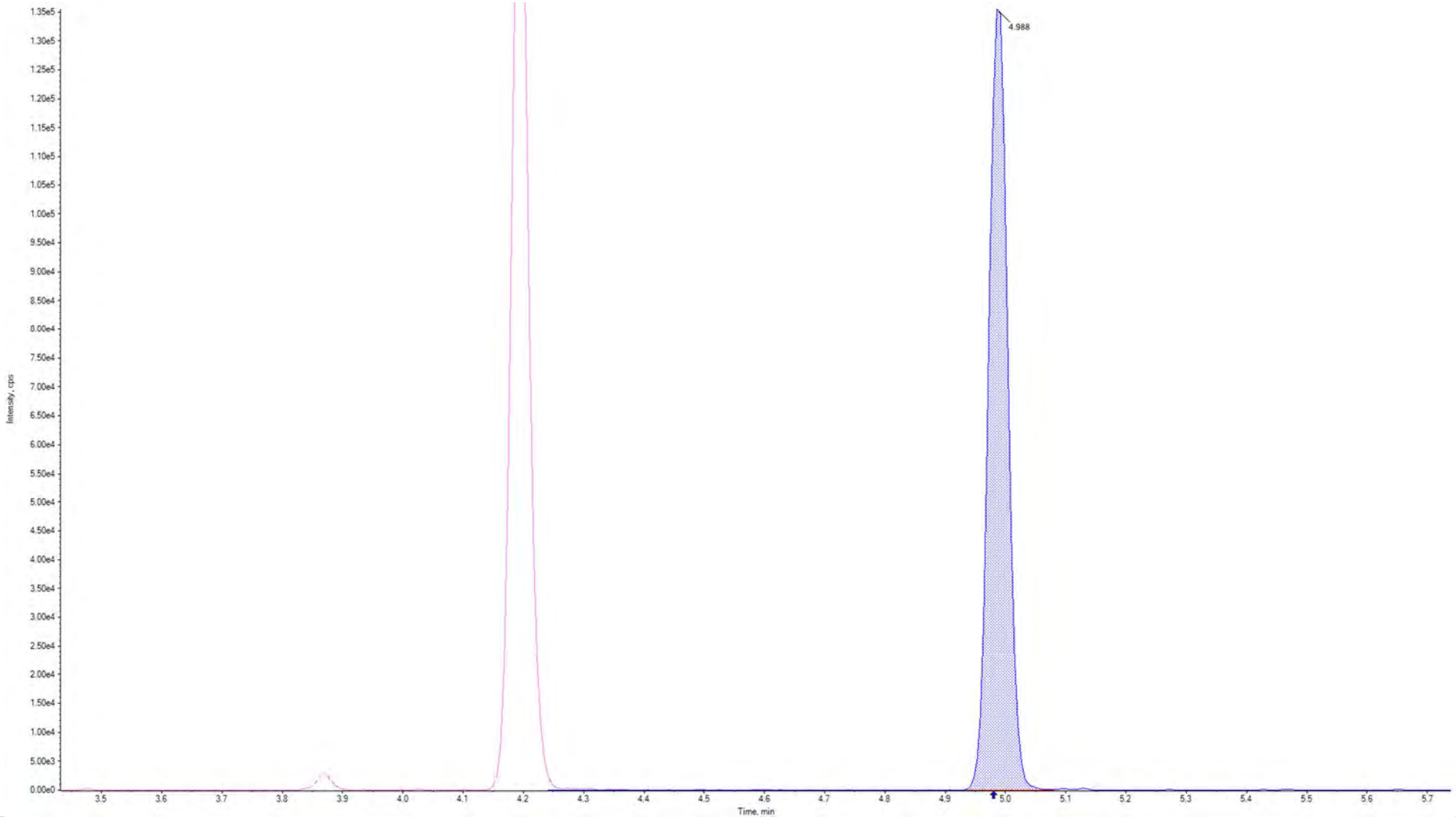
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFDS
Sample: CA1633STD-10 S/N:7349.1 Points Across peak:28



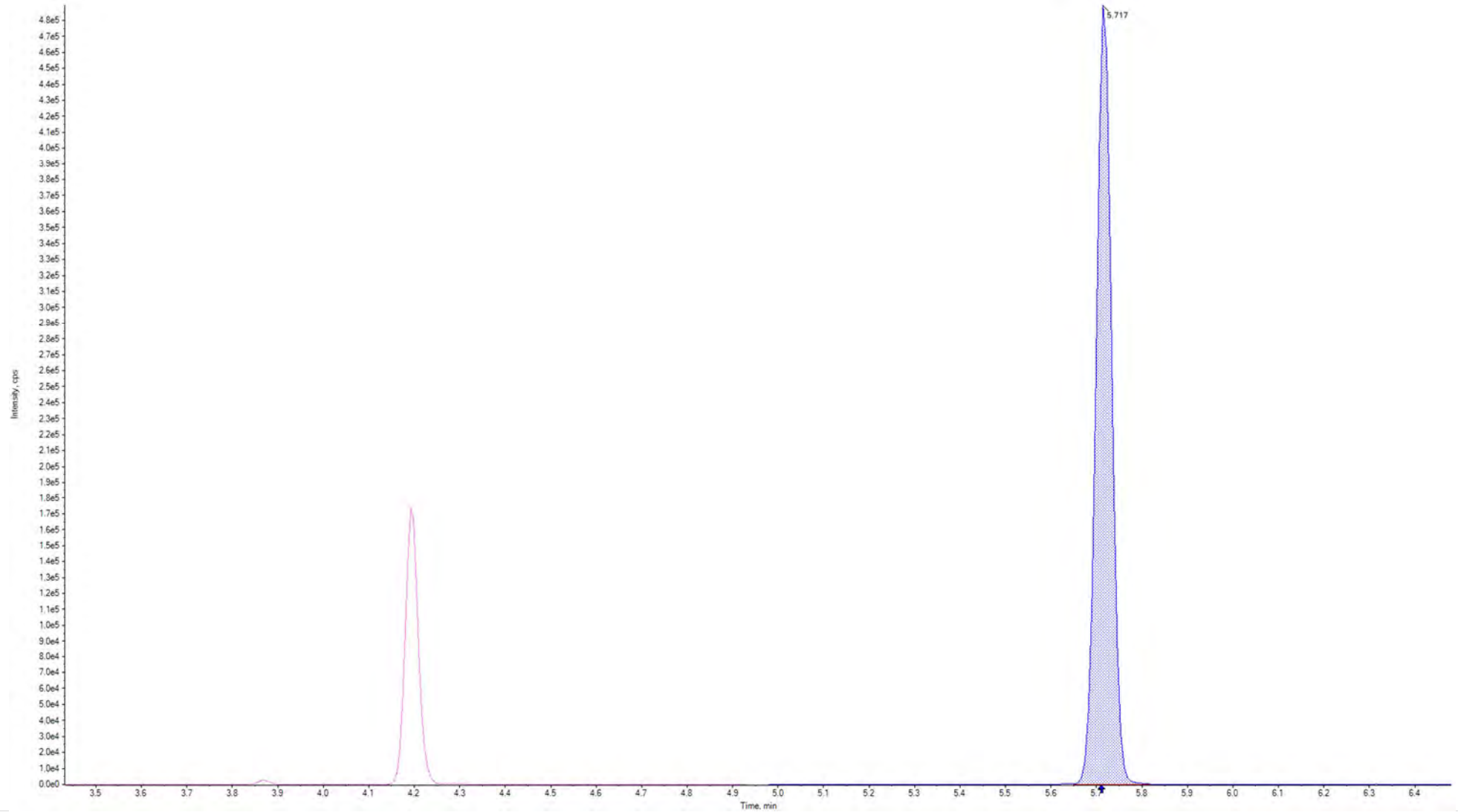
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFDS_2
Sample: CA1633STD-10 S/N:2377.1 Points Across peak:31



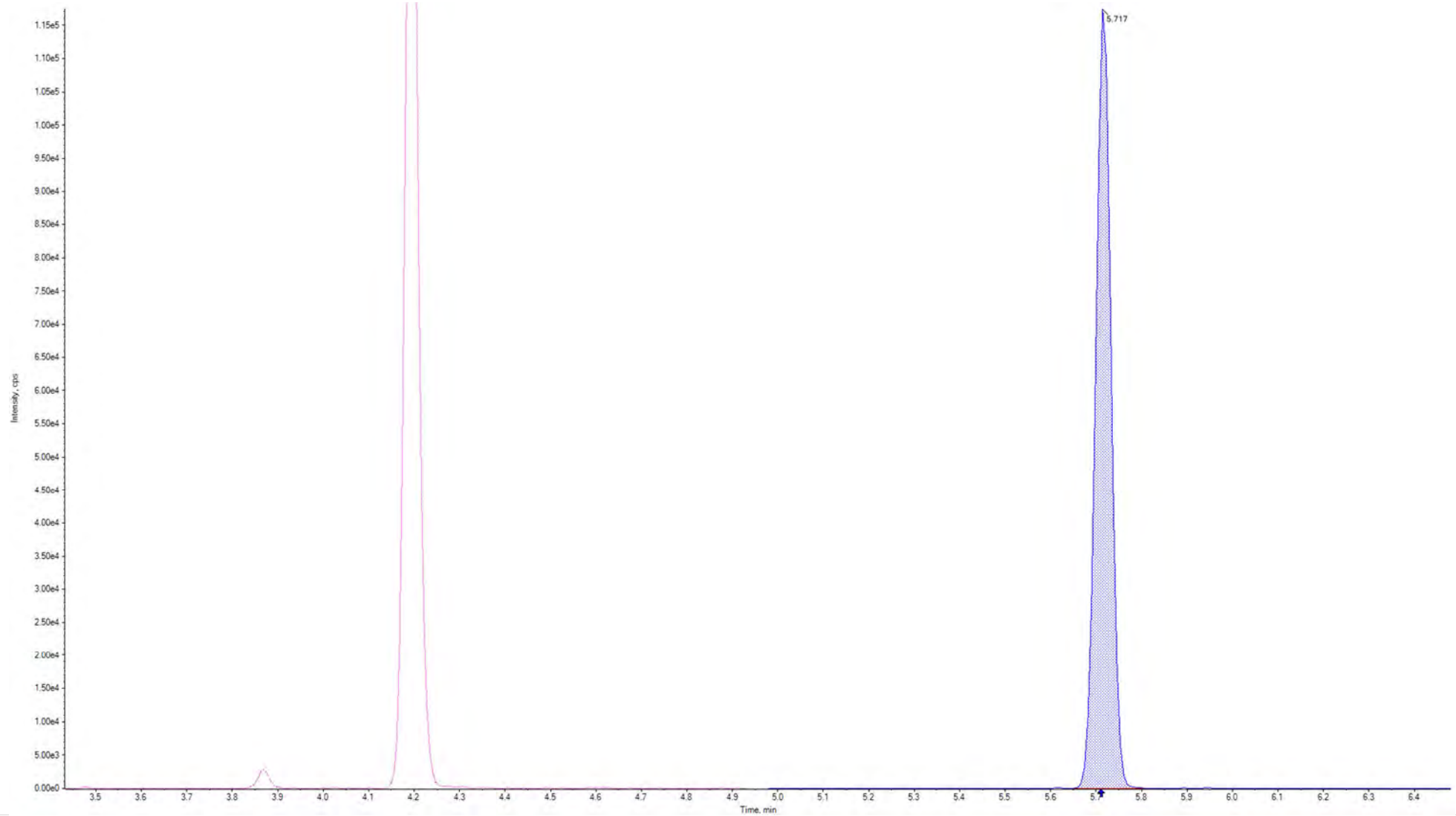
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFDoS
Sample: CA1633STD-10 S/N:15942.5 Points Across peak:24



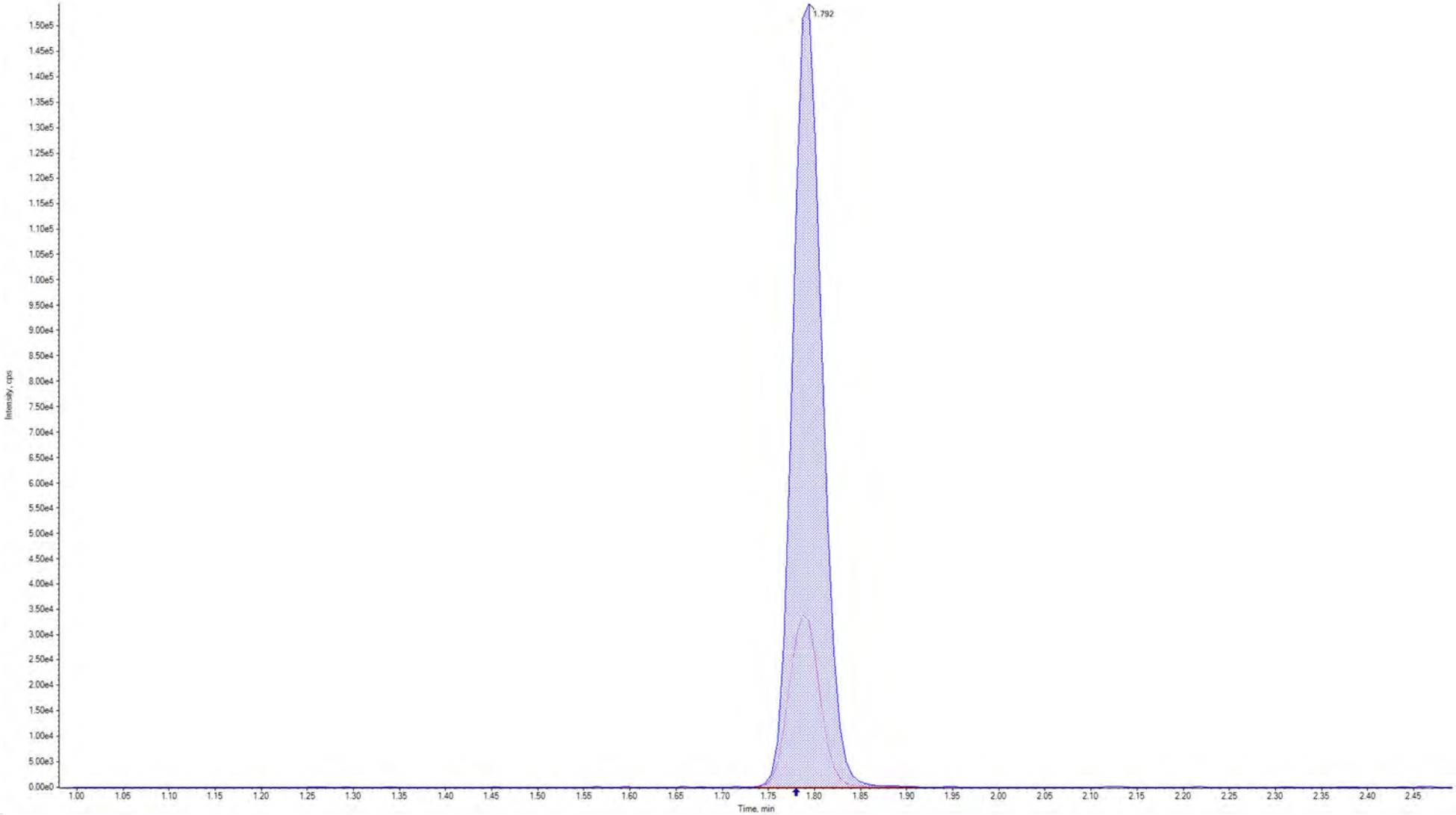
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFDoS_2
Sample: CA1633STD-10 S/N:3825.3 Points Across peak:22



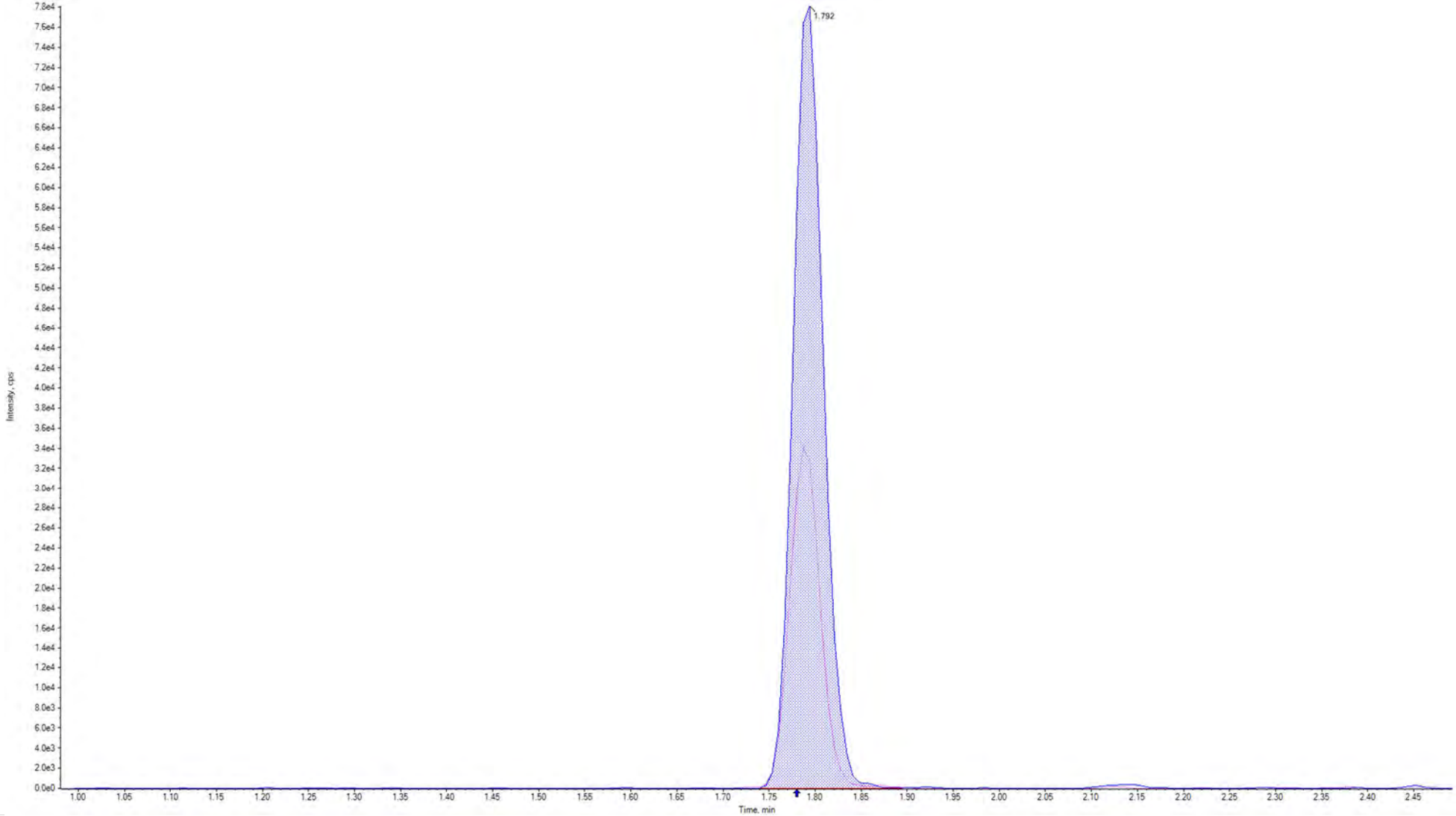
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

4:2FTS
Sample: CA1633STD-10 S/N:4252.4 Points Across peak:33



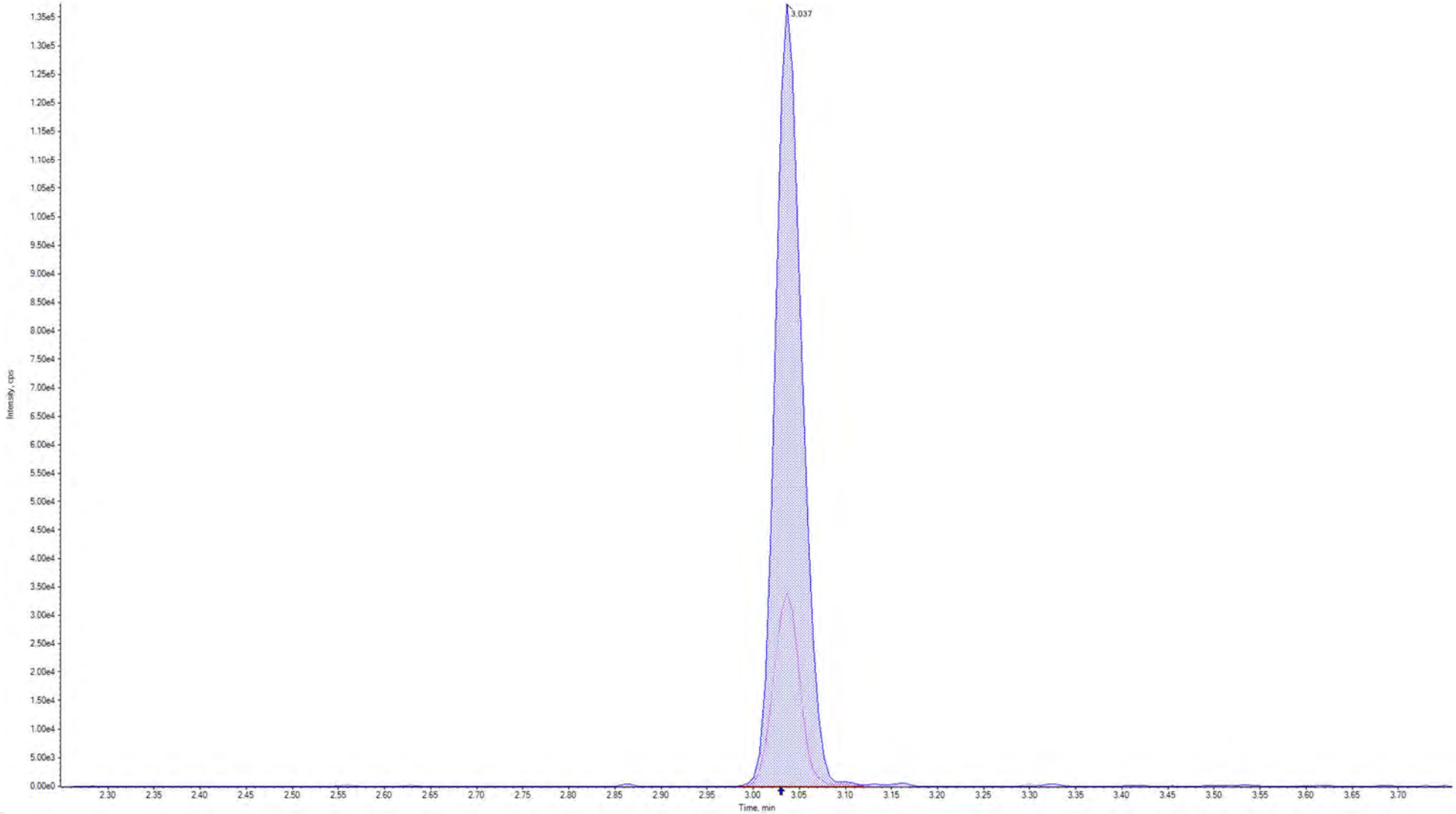
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

4:2FTS_2
Sample: CA1633STD-10 S/N:2152.9 Points Across peak:28



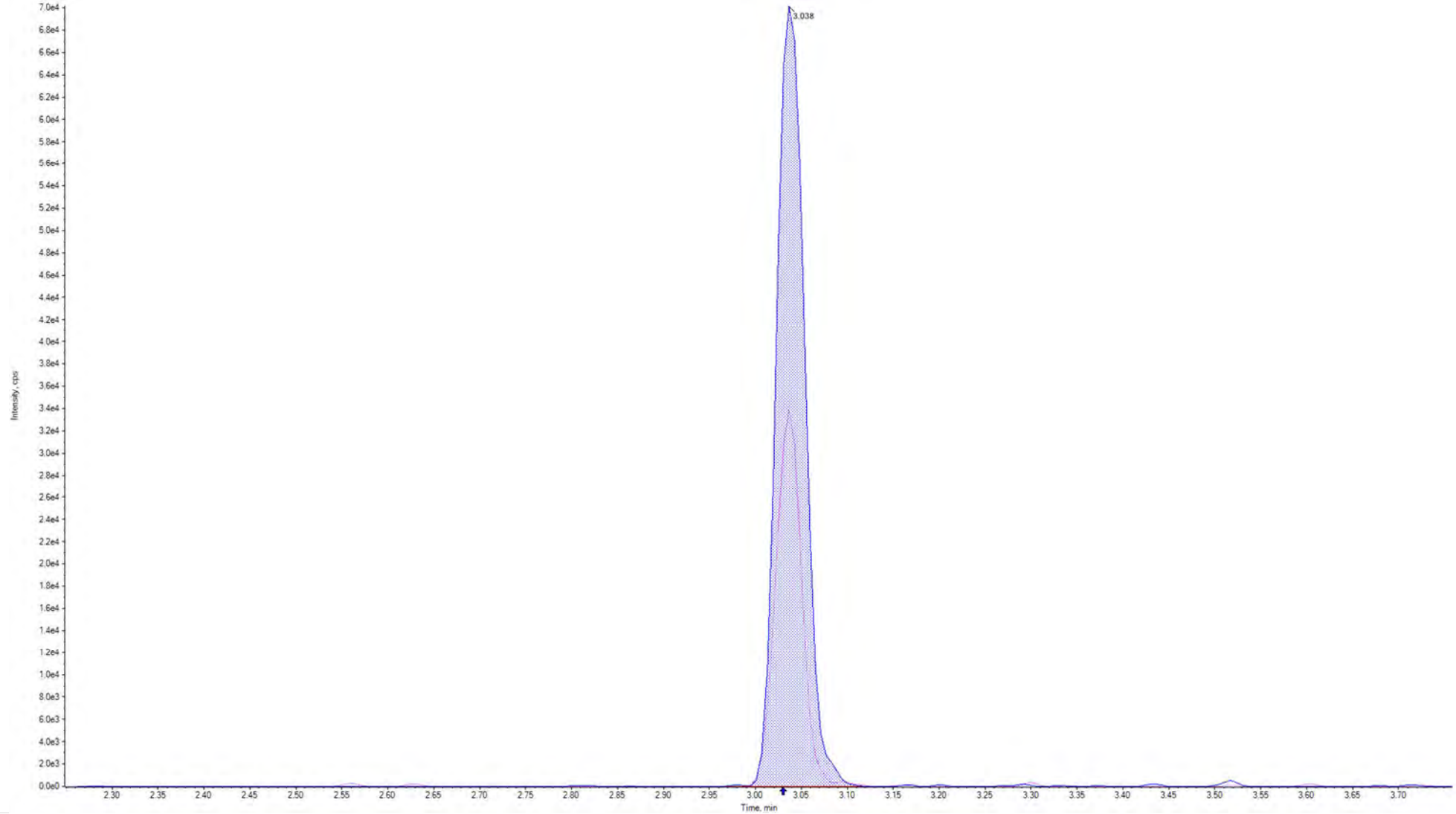
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

6:2FTS
Sample: CA1633STD-10 S/N:1720.6 Points Across peak:30



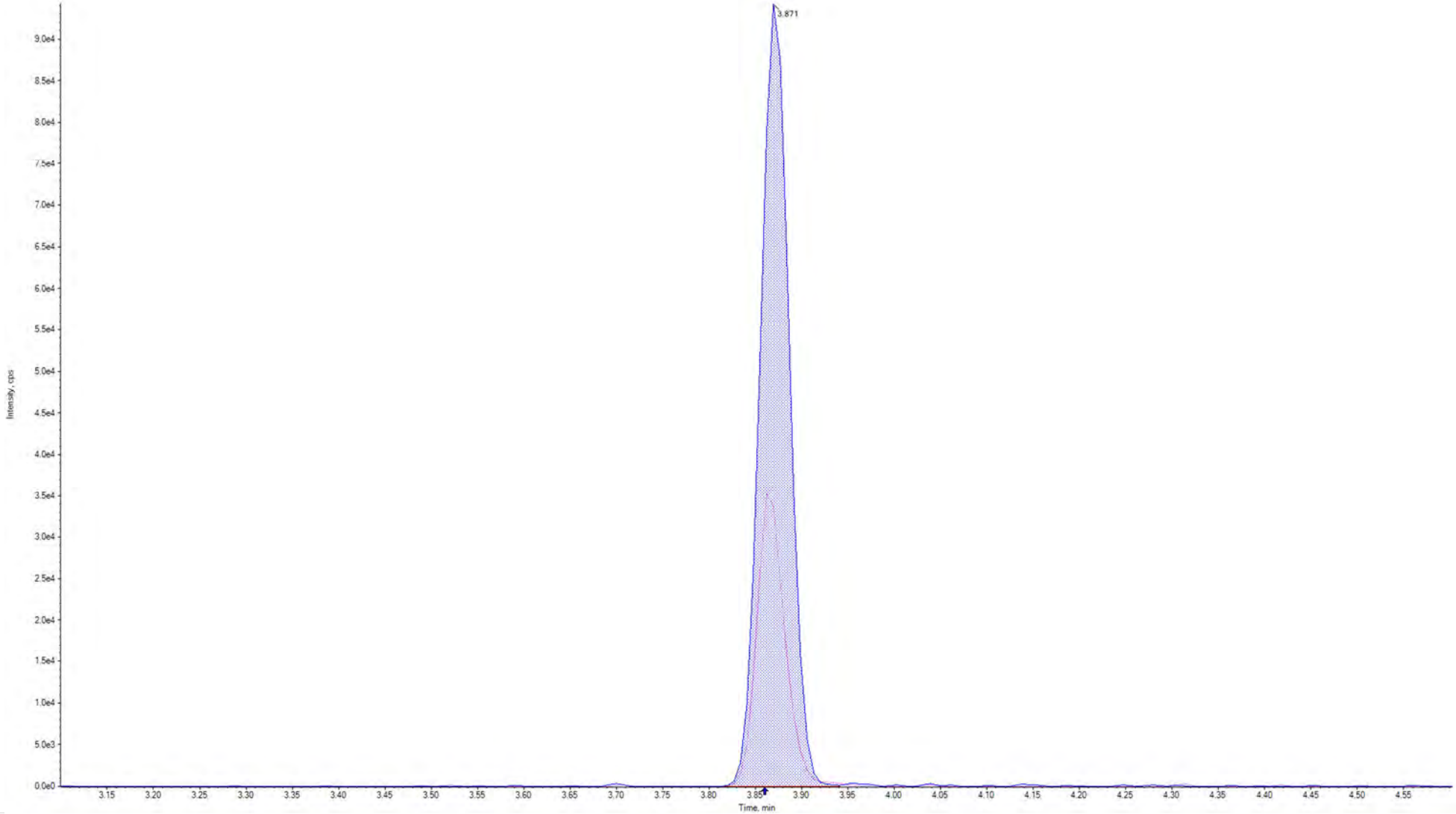
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

6:2FTS_2
Sample: CA1633STD-10 S/N:879.0 Points Across peak:34



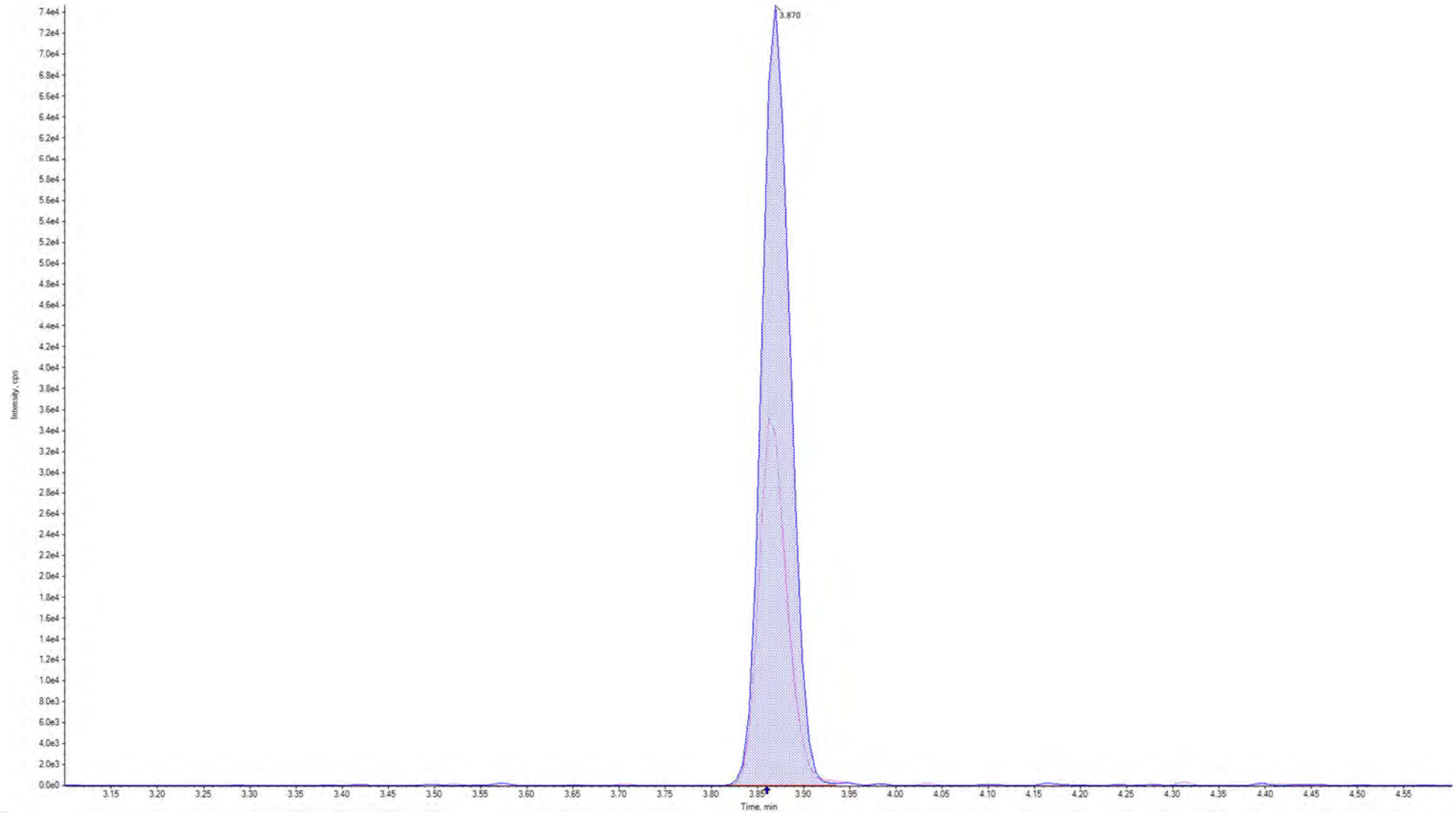
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

8:2FTS
Sample: CA1633STD-10 S/N:1180.5 Points Across peak:23



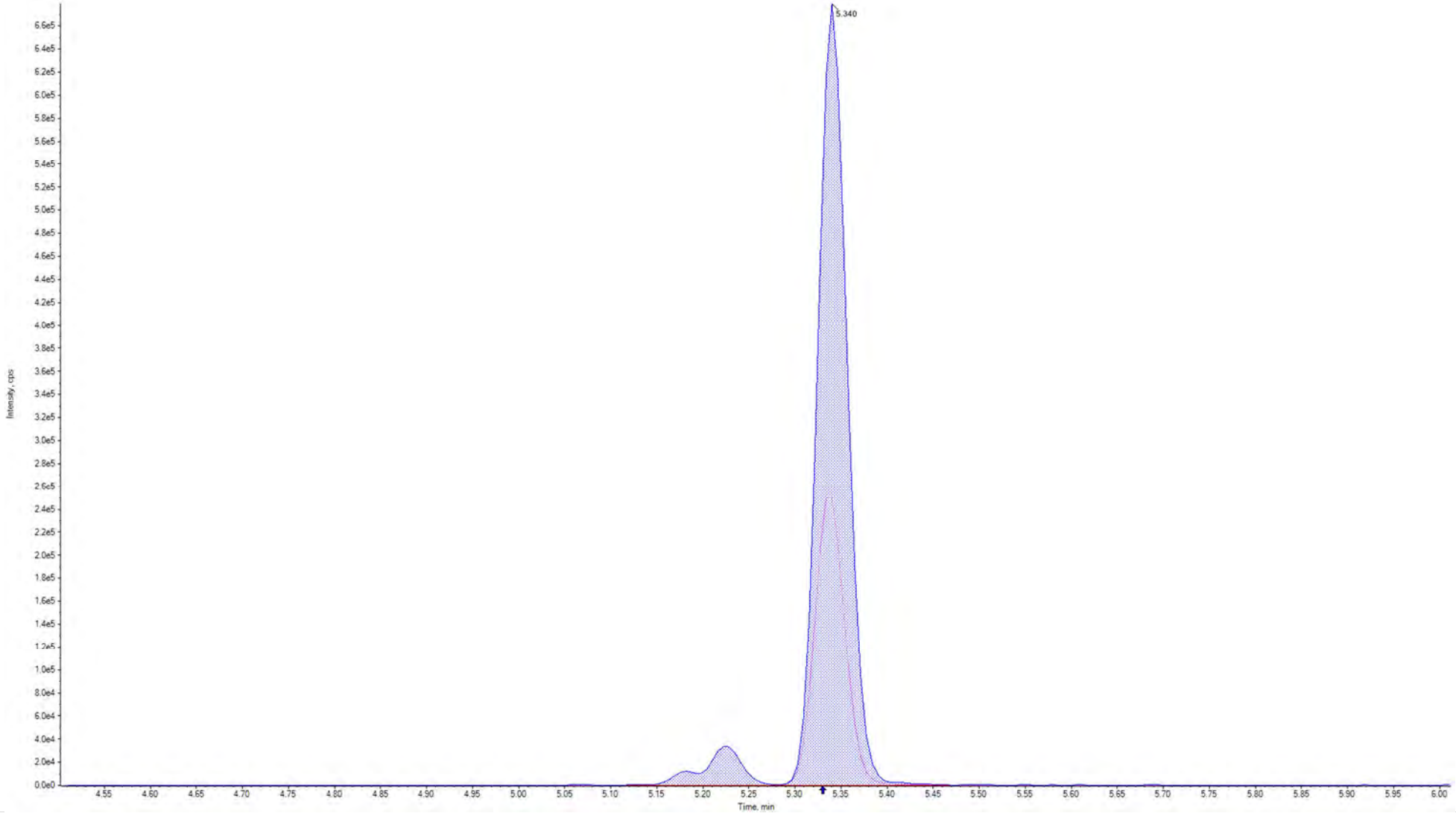
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

8:2FTS_2
Sample: CA1633STD-10 S/N:935.5 Points Across peak:23



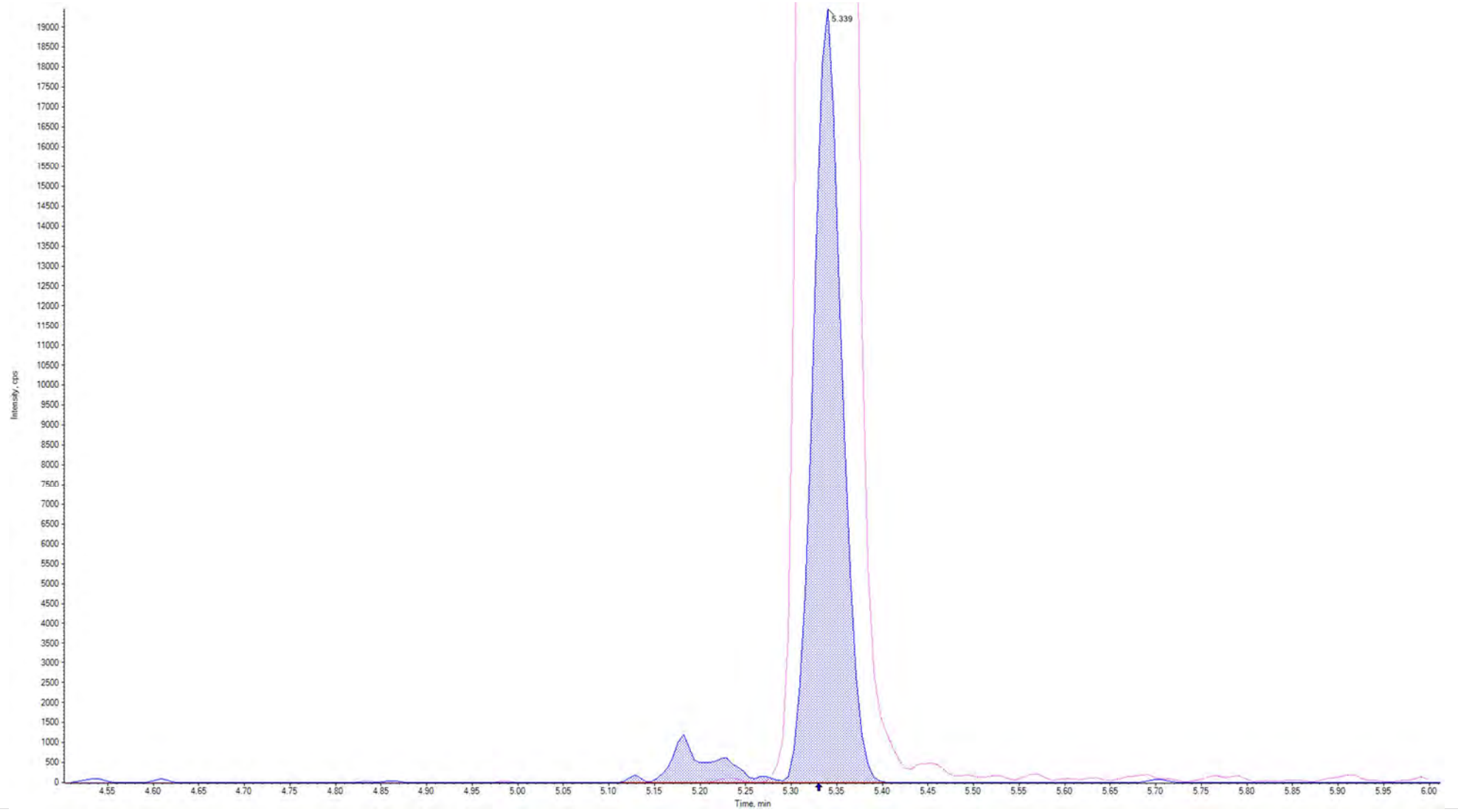
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFOSA
Sample: CA1633STD-10 S/N:2452.3 Points Across peak:61



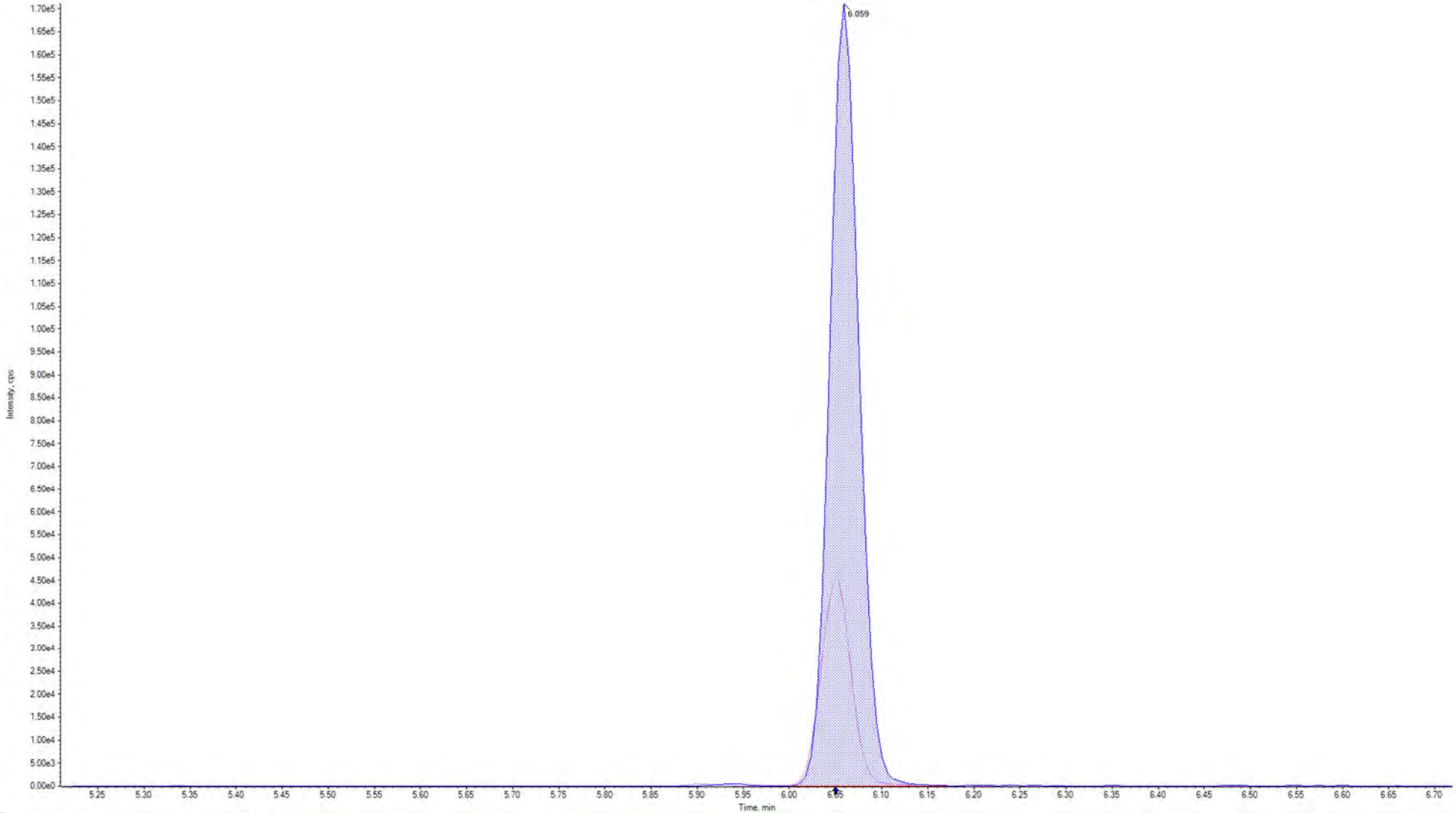
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFOSA_2
Sample: CA1633STD-10 S/N:438.8 Points Across peak:60



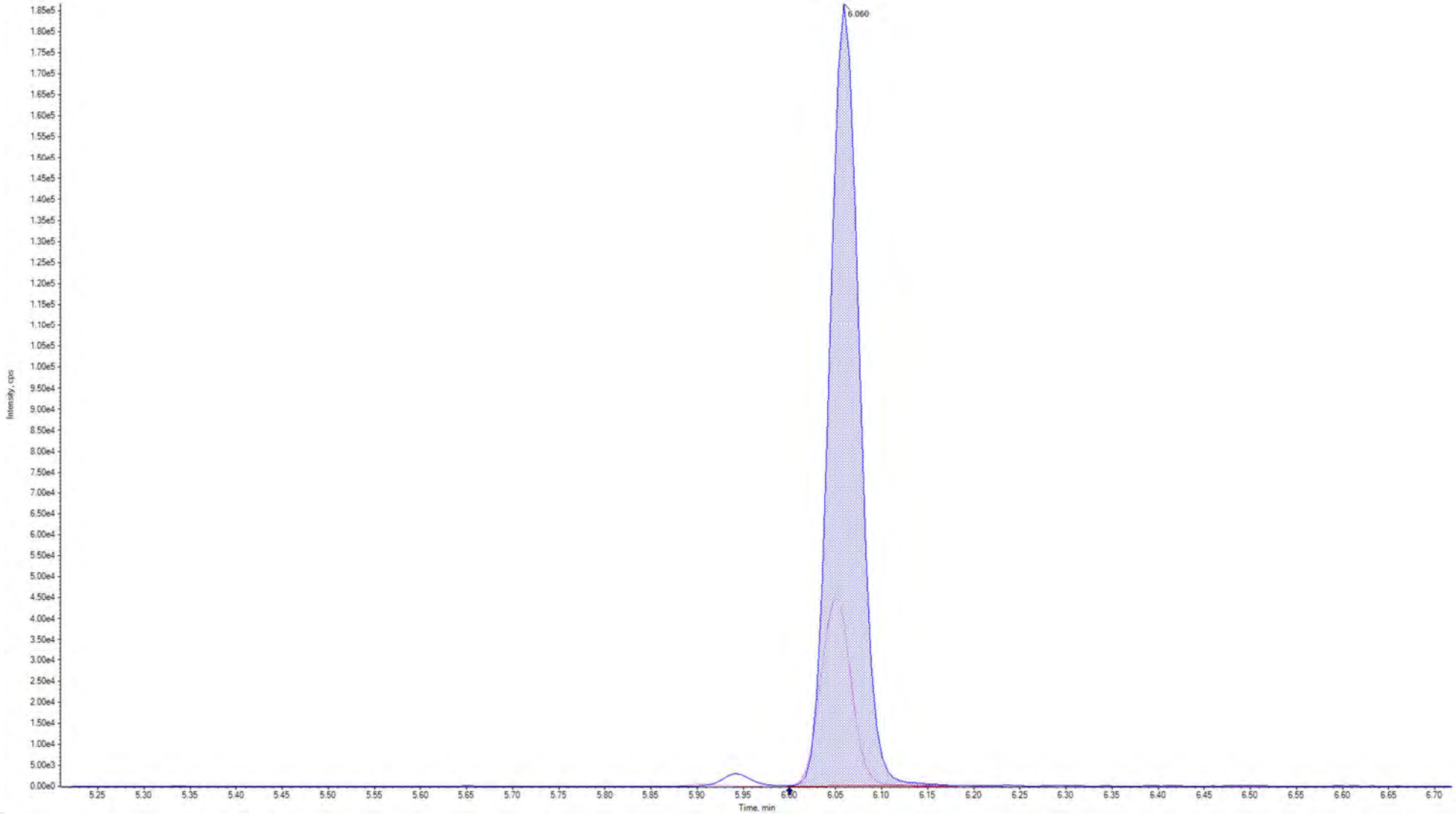
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

NMeFOSA
Sample: CA1633STD-10 S/N:4173.0 Points Across peak:33



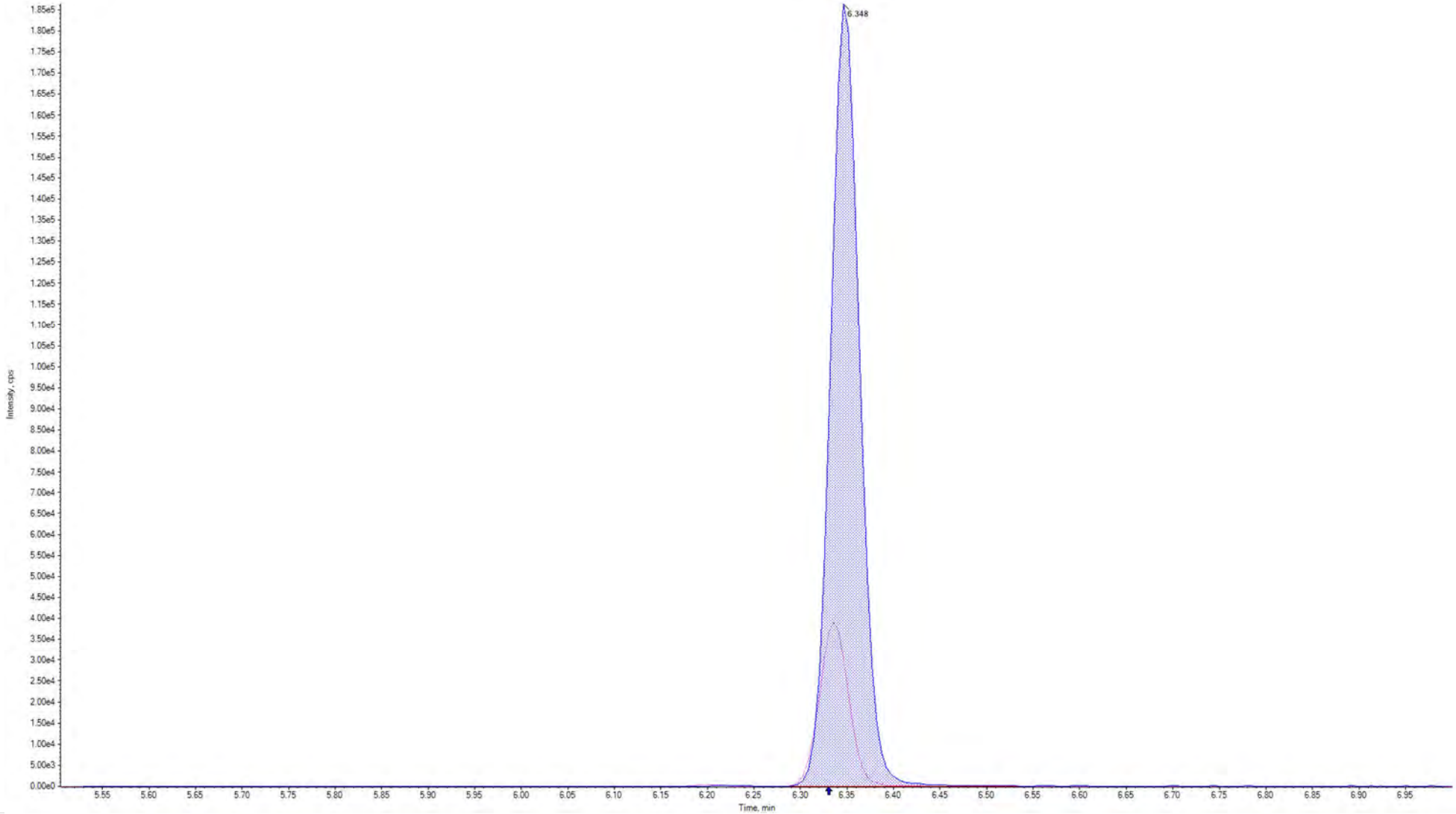
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

NMeFOSA_2
Sample: CA1633STD-10 S/N:3065.7 Points Across peak:33



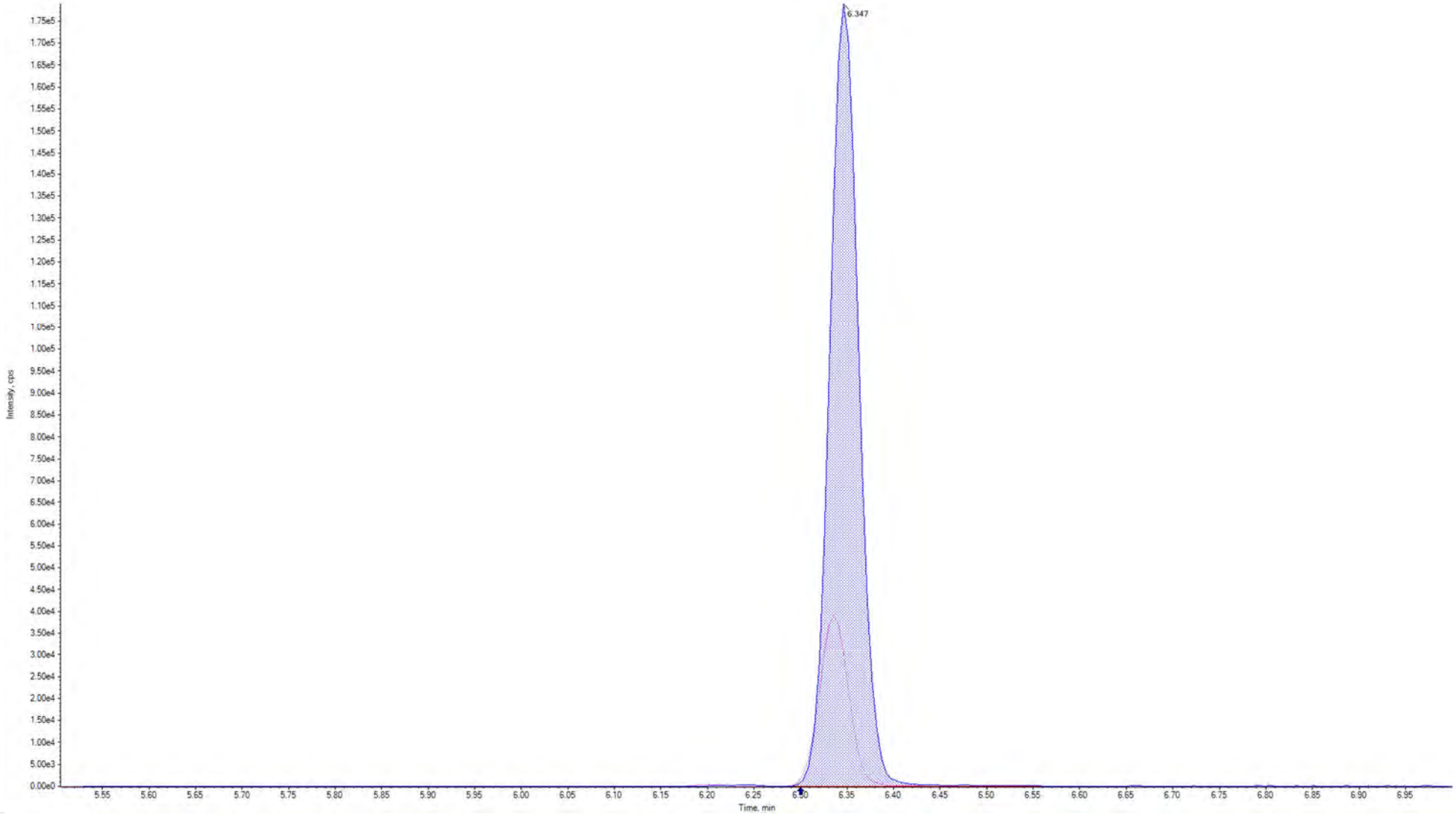
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

NEtFOSA
Sample: CA1633STD-10 S/N:5288.9 Points Across peak:51



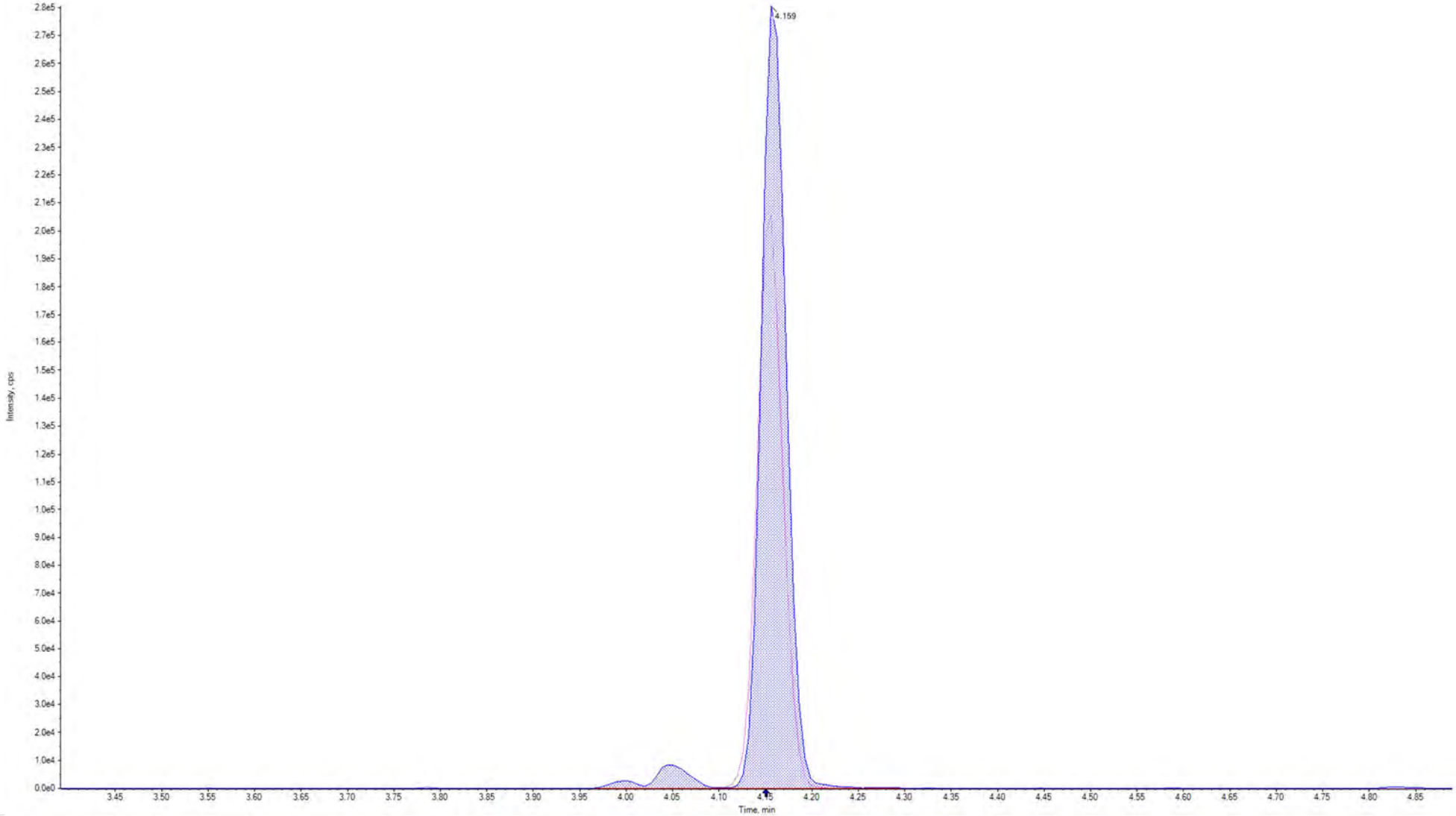
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

NEtFOSA_2
Sample: CA1633STD-10 S/N:5445.3 Points Across peak:58



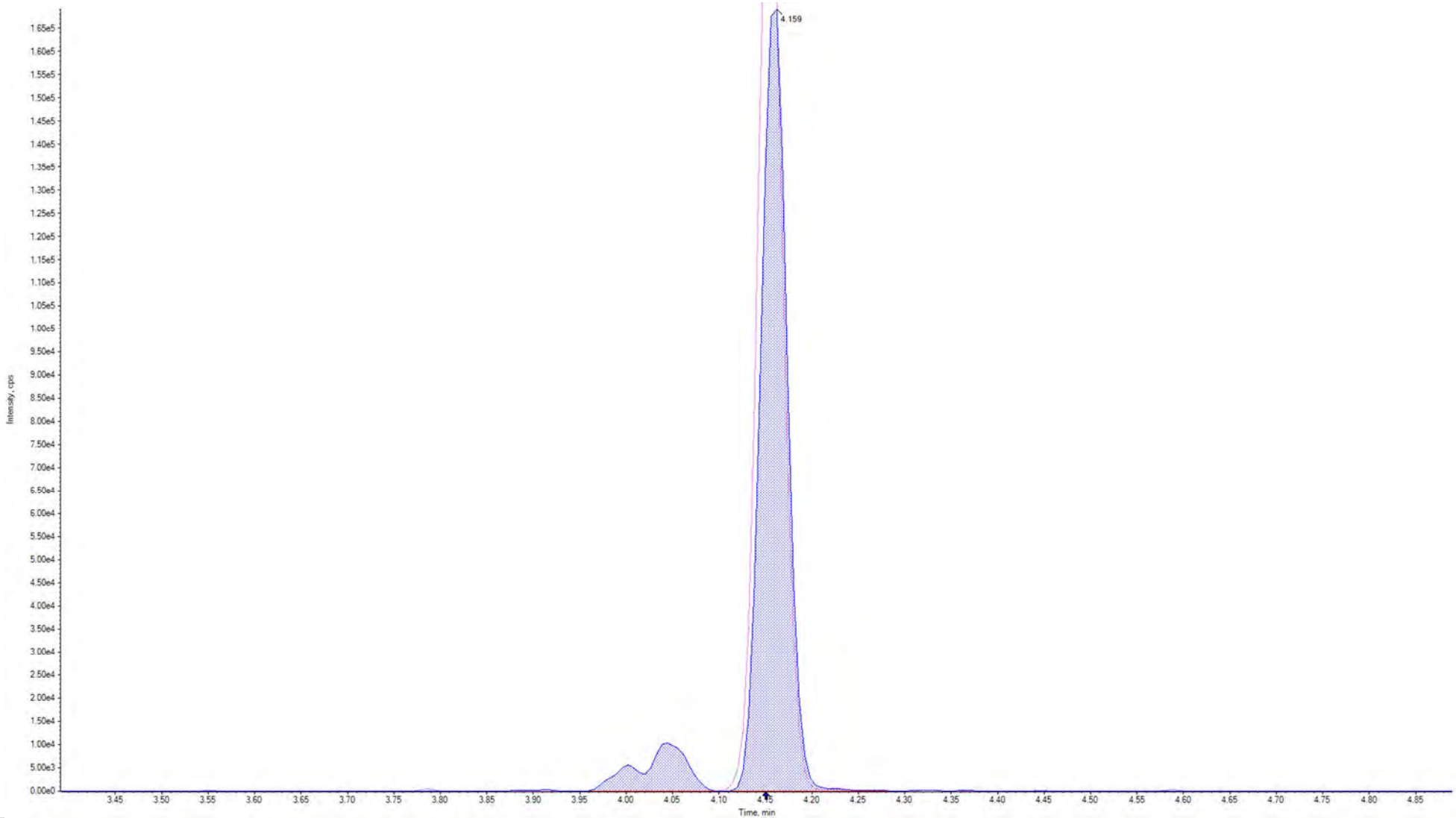
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

NMeFOSAA
Sample: CA1633STD-10 S/N:3514.5 Points Across peak:67



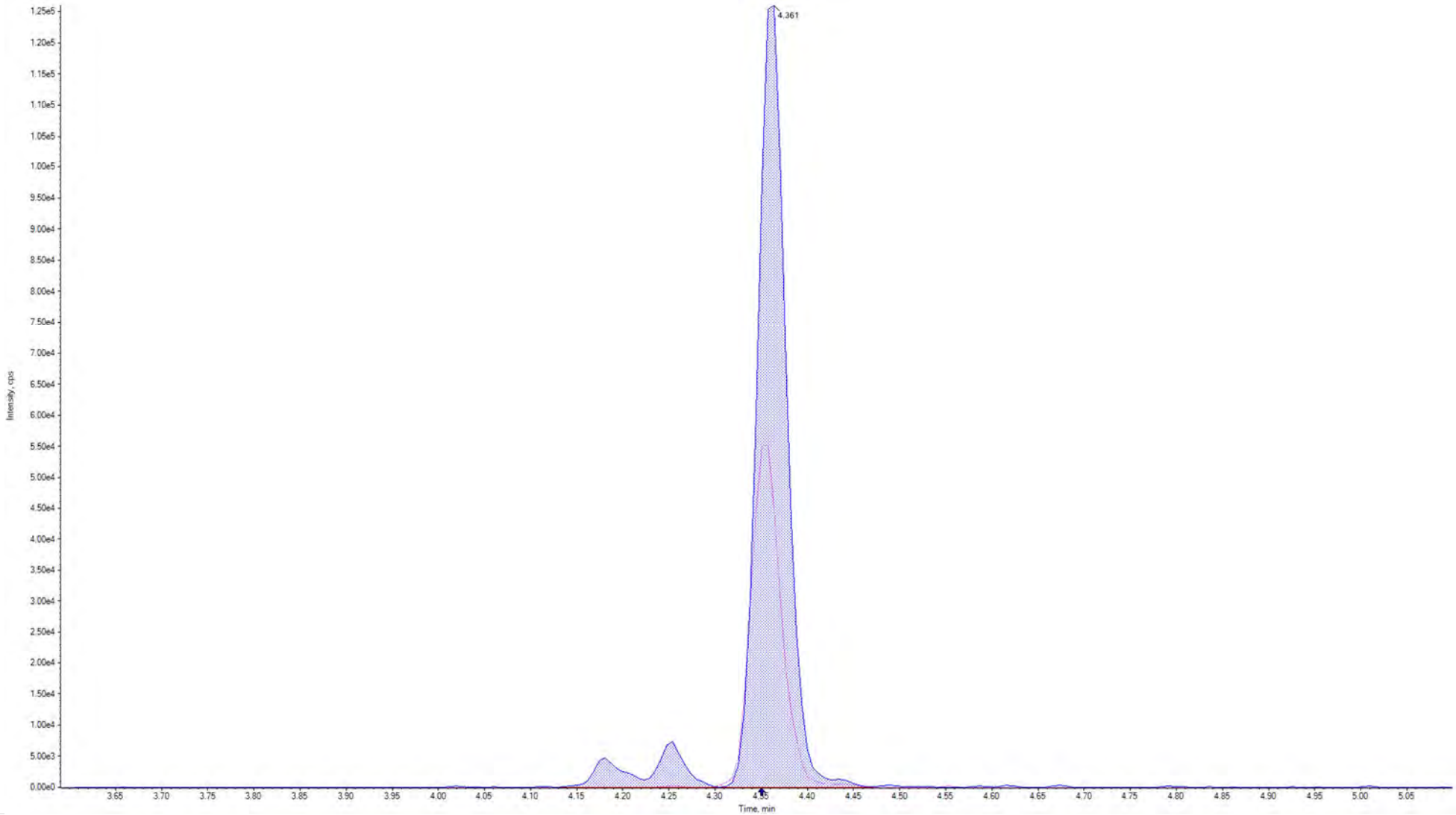
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

NMeFOSAA_2
Sample: CA1633STD-10 S/N:2119.1 Points Across peak:59



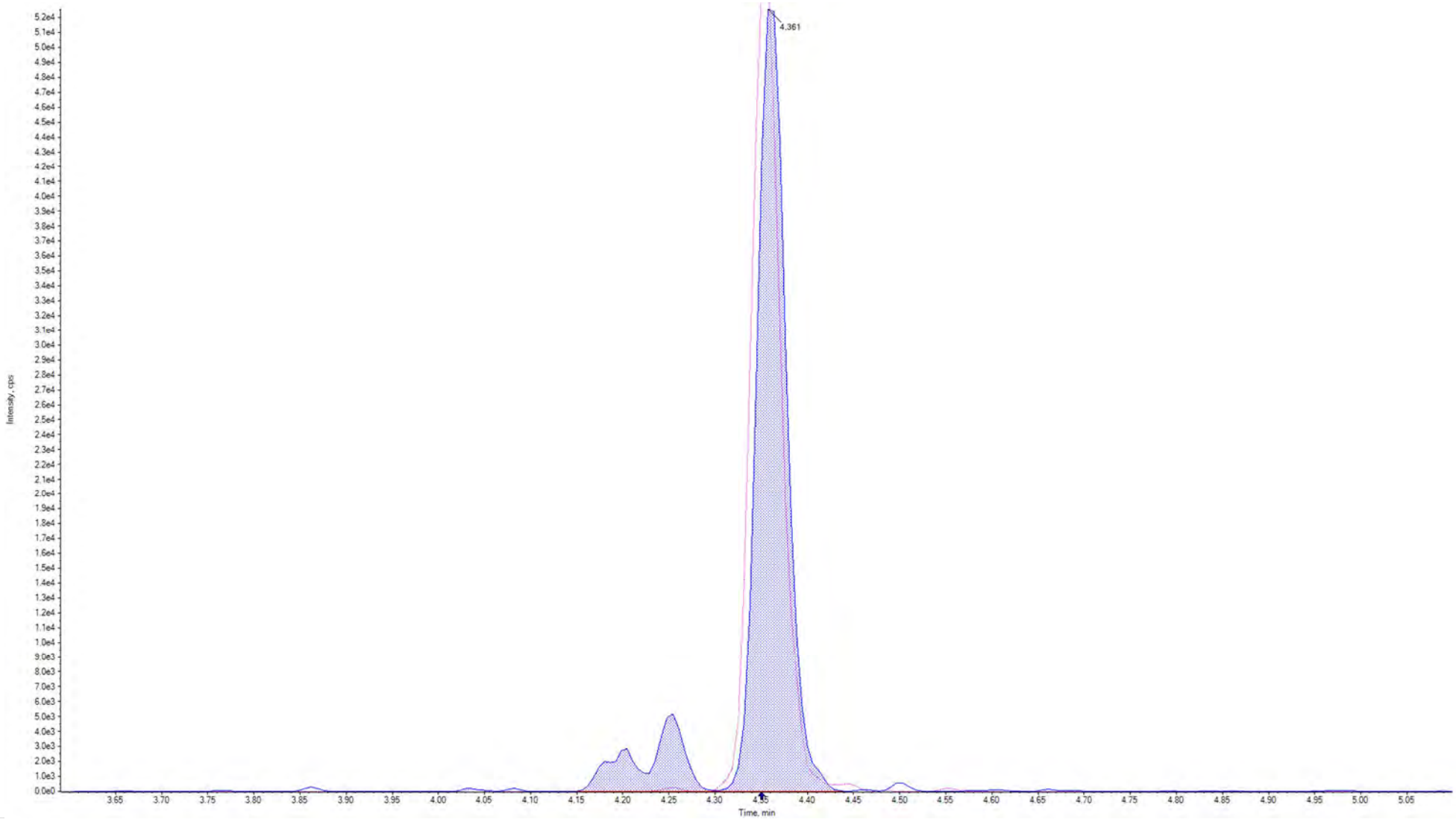
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

NEtFOSAA
Sample: CA1633STD-10 S/N:1251.5 Points Across peak:57



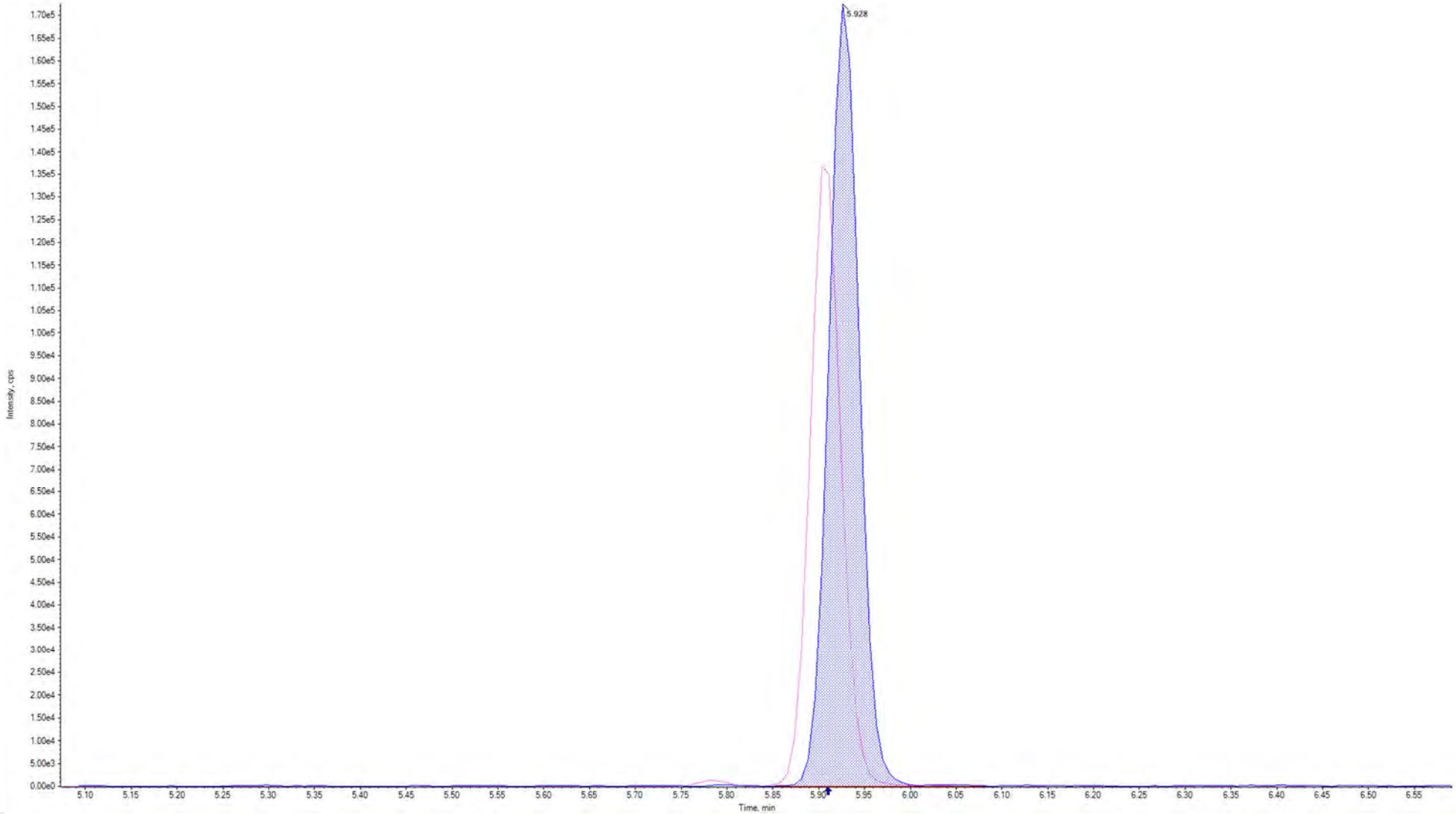
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

NEtFOSAA_2
Sample: CA1633STD-10 S/N:658.6 Points Across peak:50



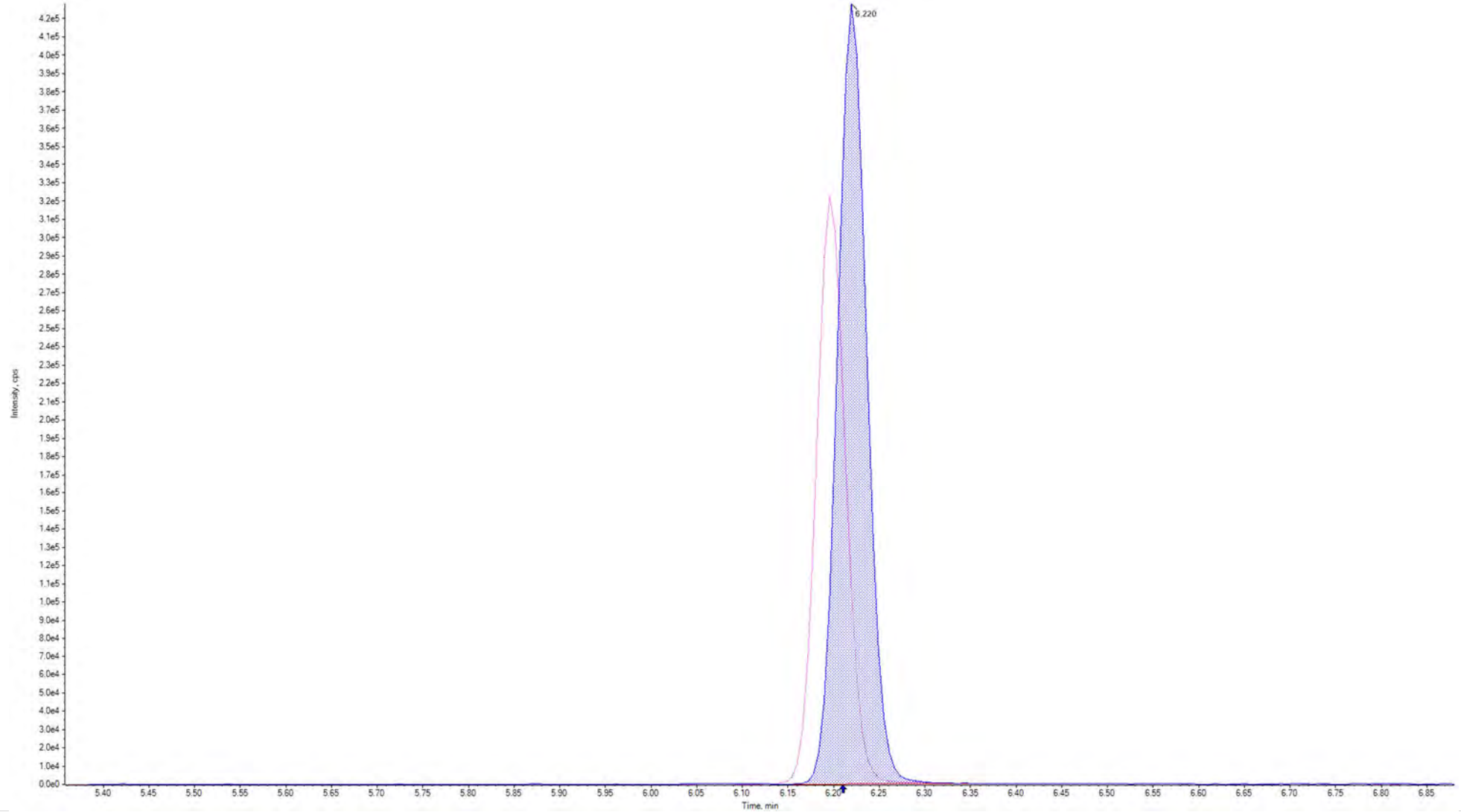
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

NMeFOSE
Sample: CA1633STD-10 S/N:2093.5 Points Across peak:37



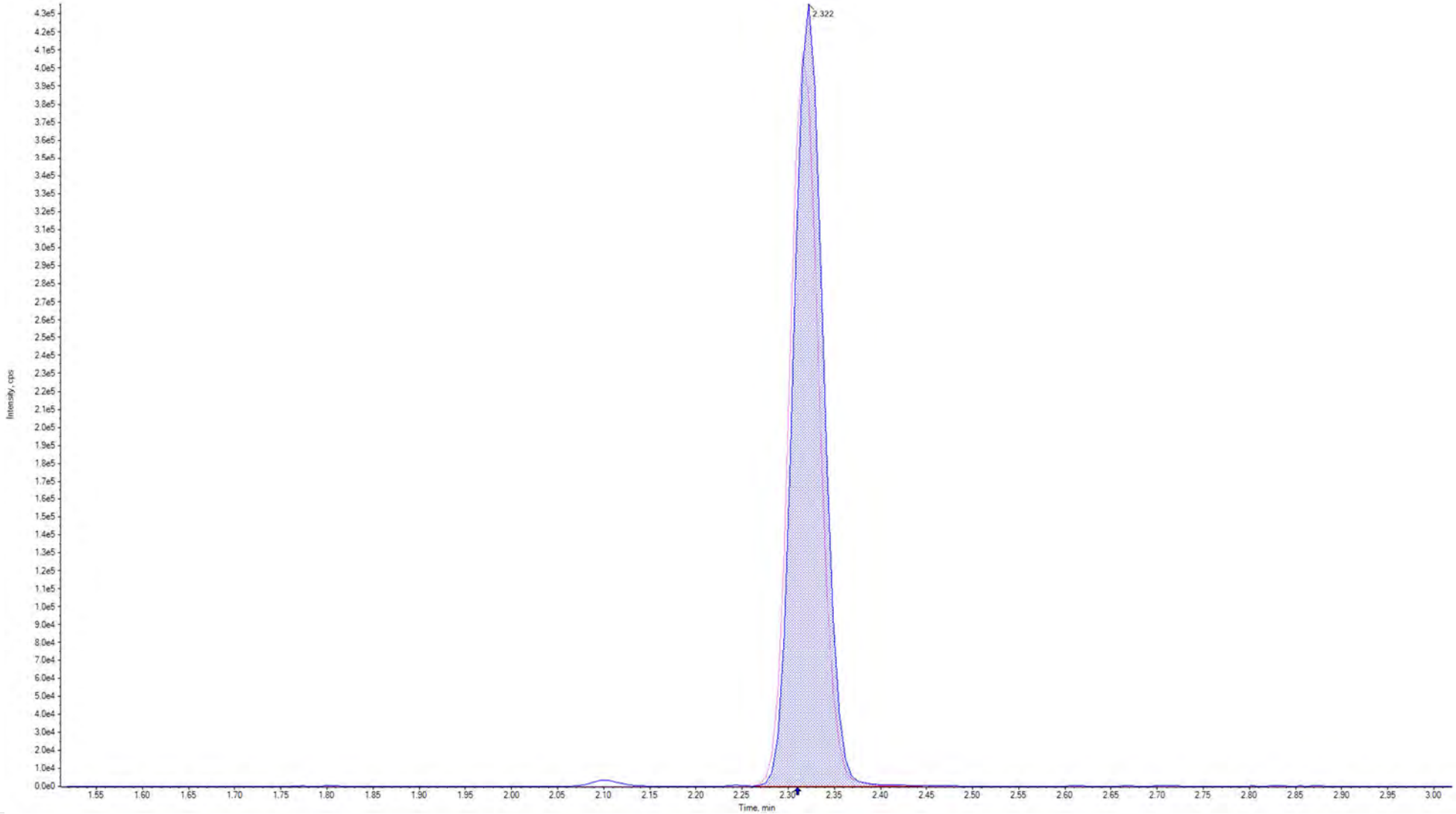
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

NEtFOSE
Sample: CA1633STD-10 S/N:4486.6 Points Across peak:50



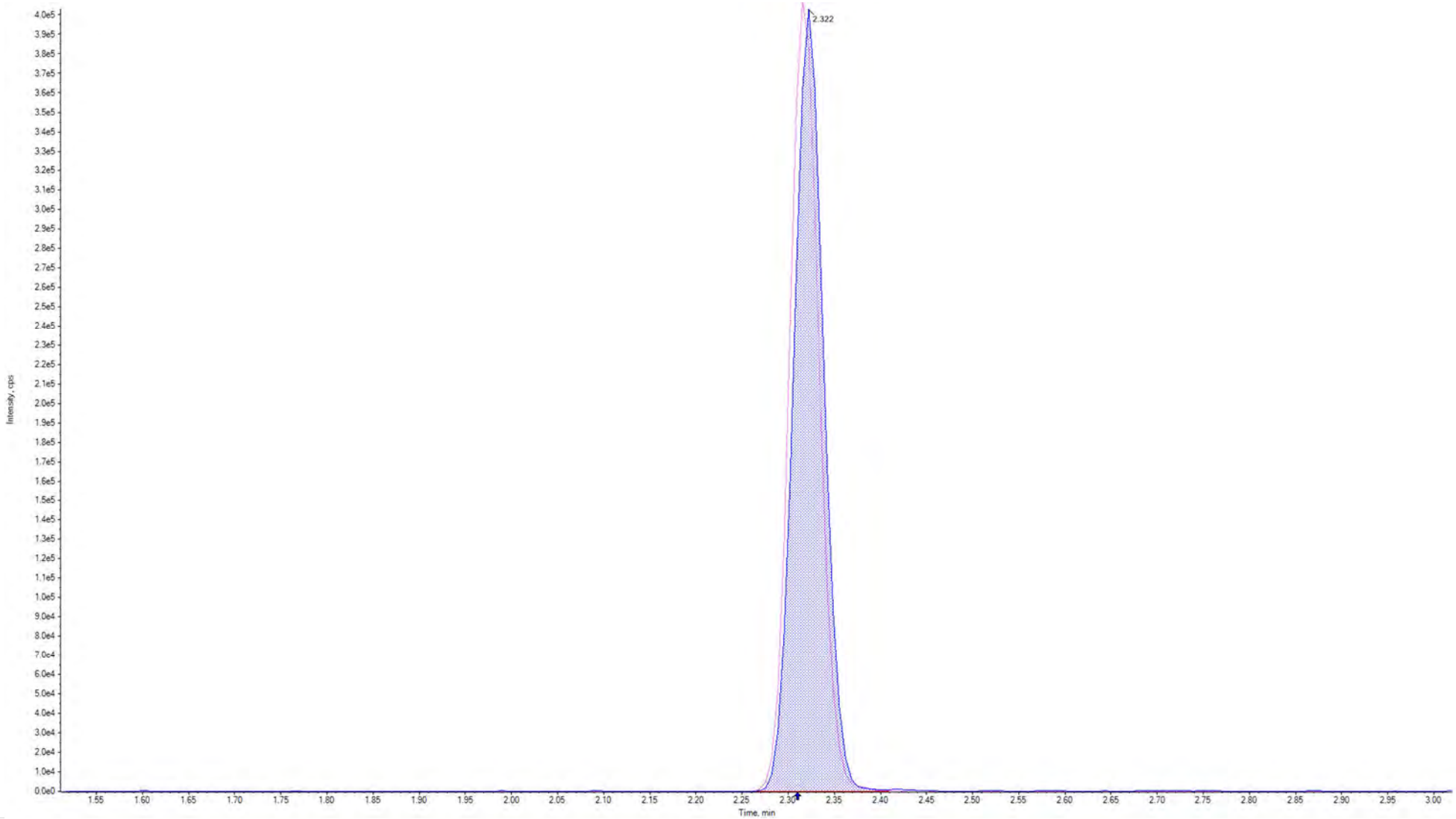
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

HFPO-DA
Sample: CA1633STD-10 S/N:7640.1 Points Across peak:28



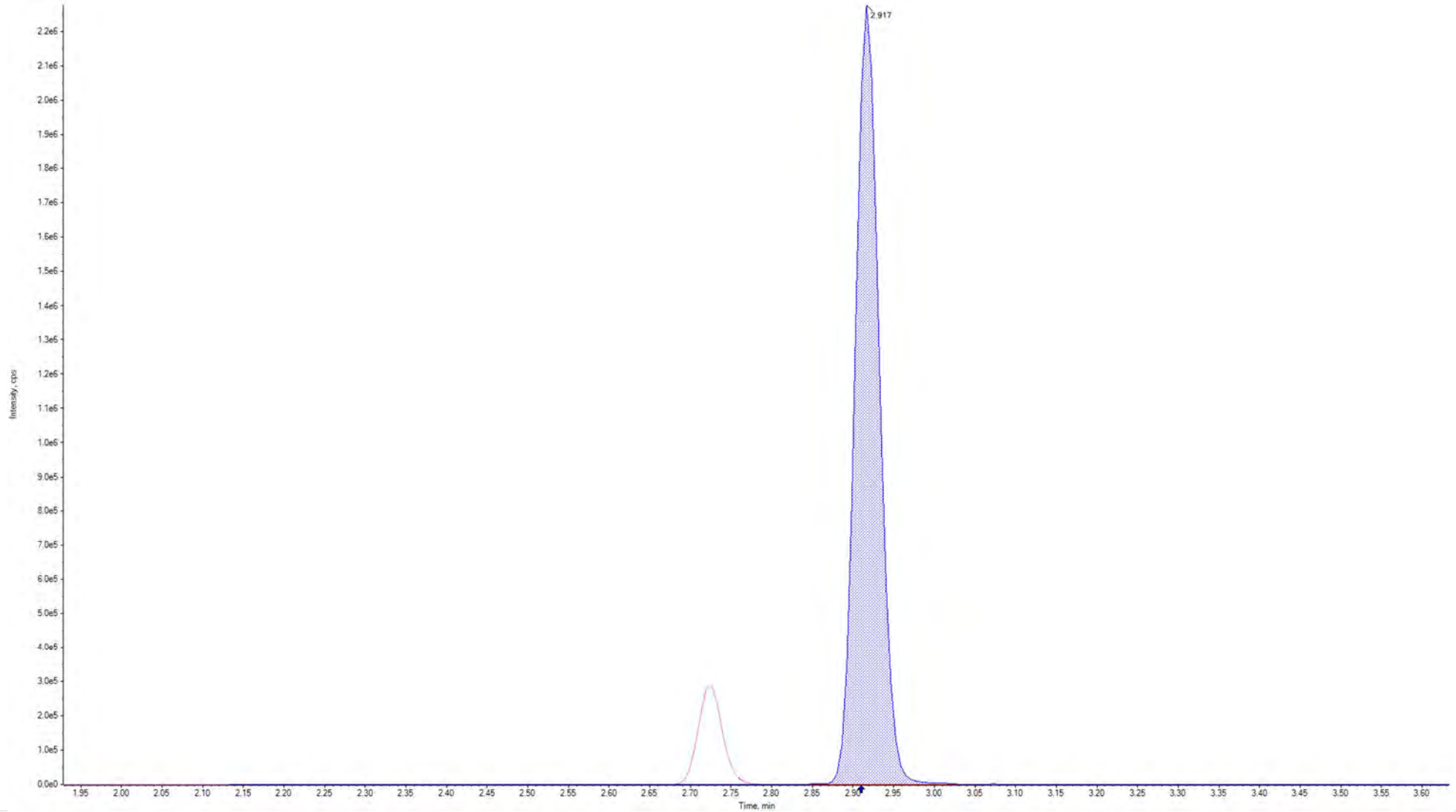
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

HFPO-DA_2
Sample: CA1633STD-10 S/N:7068.5 Points Across peak:26



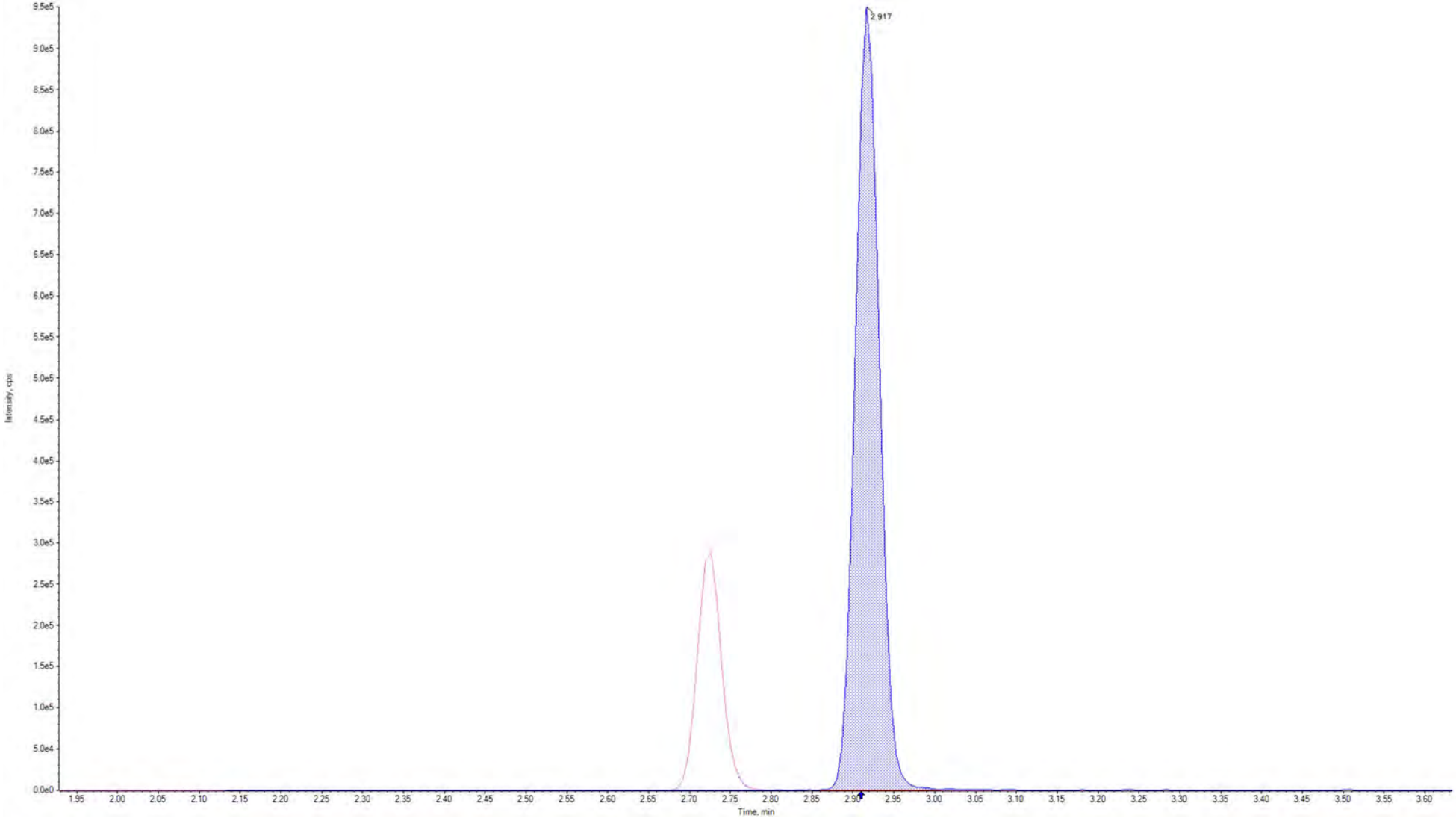
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

ADONA
Sample: CA1633STD-10 S/N:24137.6 Points Across peak:38



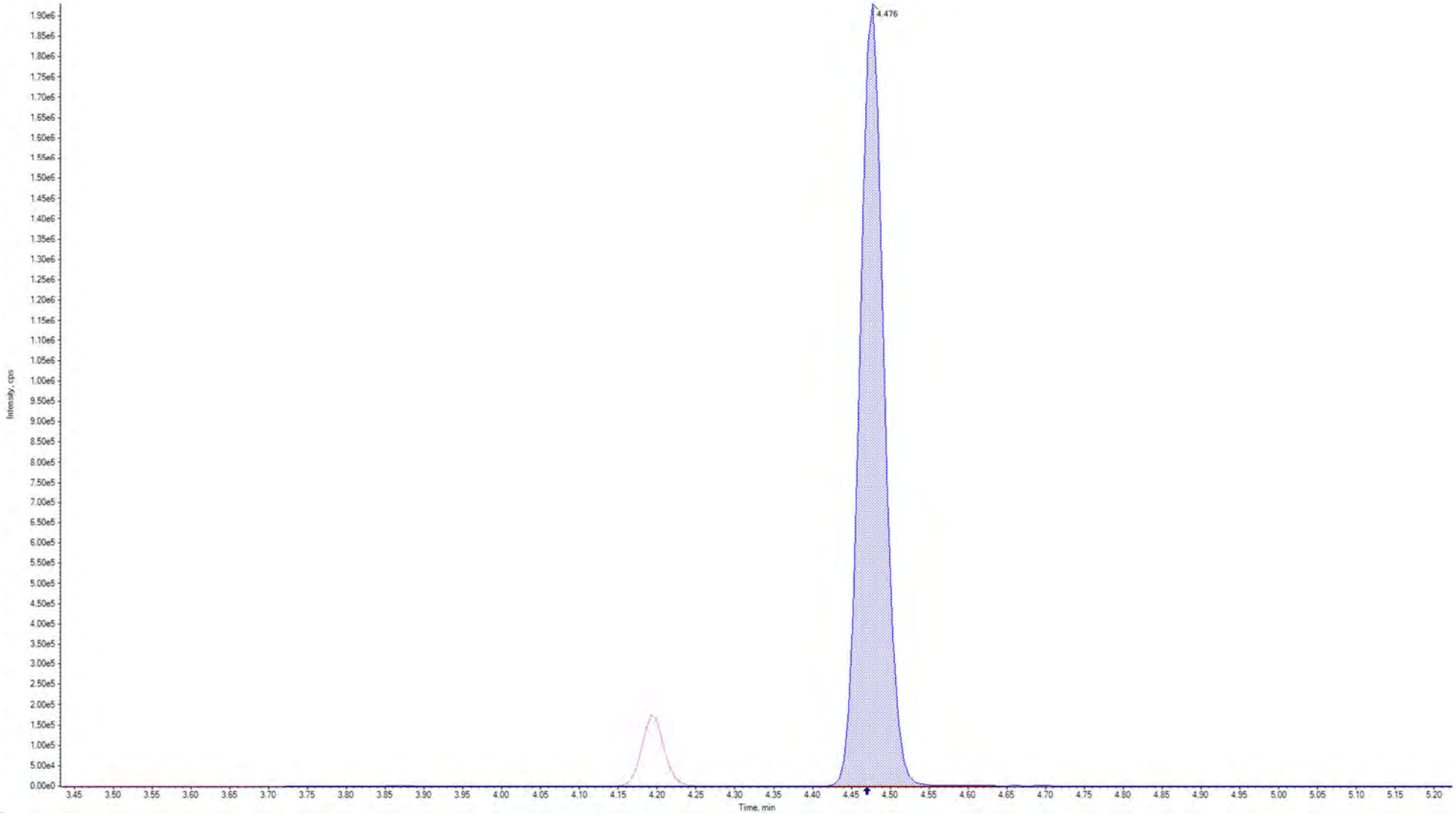
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

ADONA_2
Sample: CA1633STD-10 S/N:11906.2 Points Across peak:26



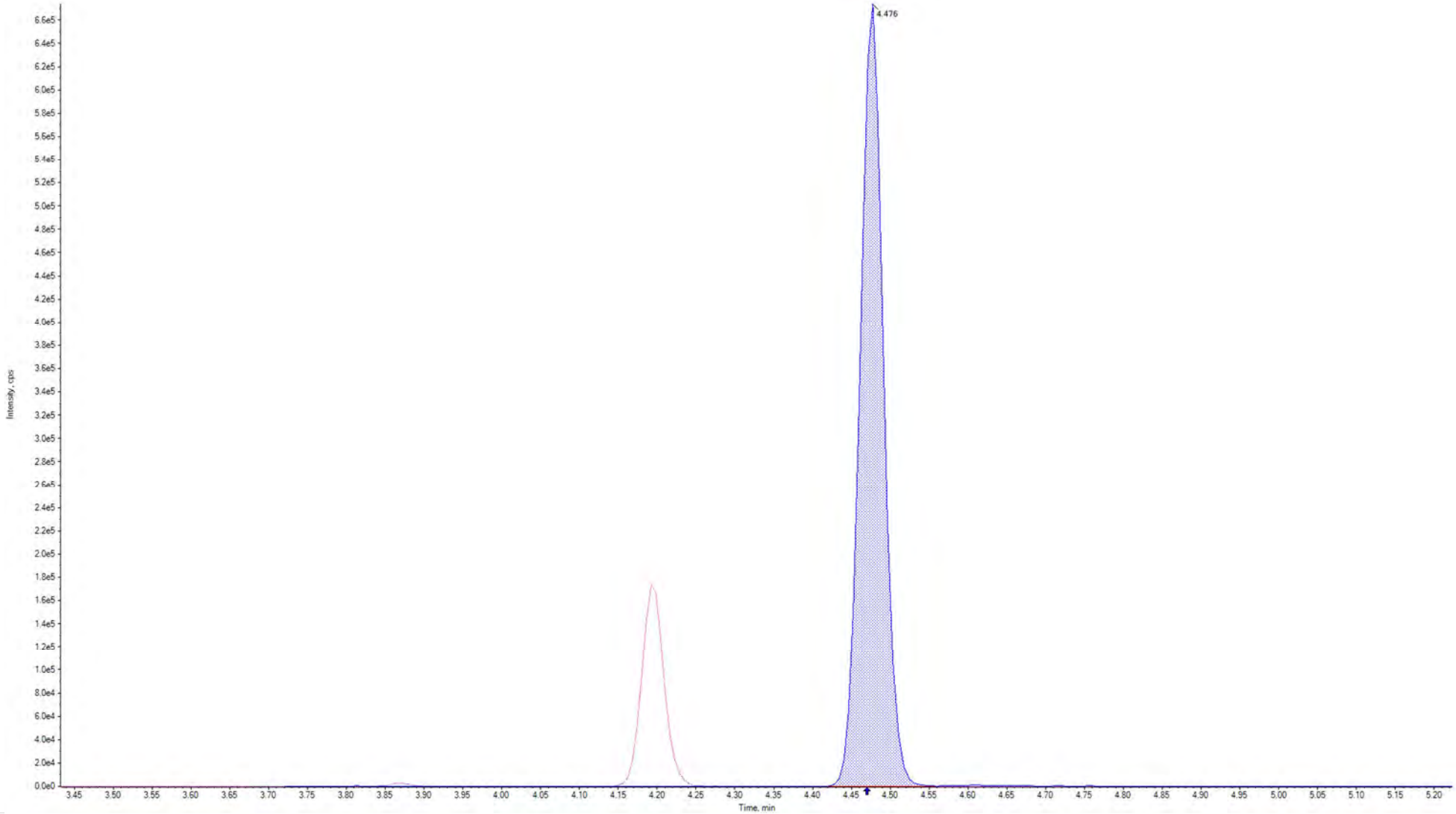
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

9Cl-PF3ONS
Sample: CA1633STD-10 S/N:10107.5 Points Across peak:37



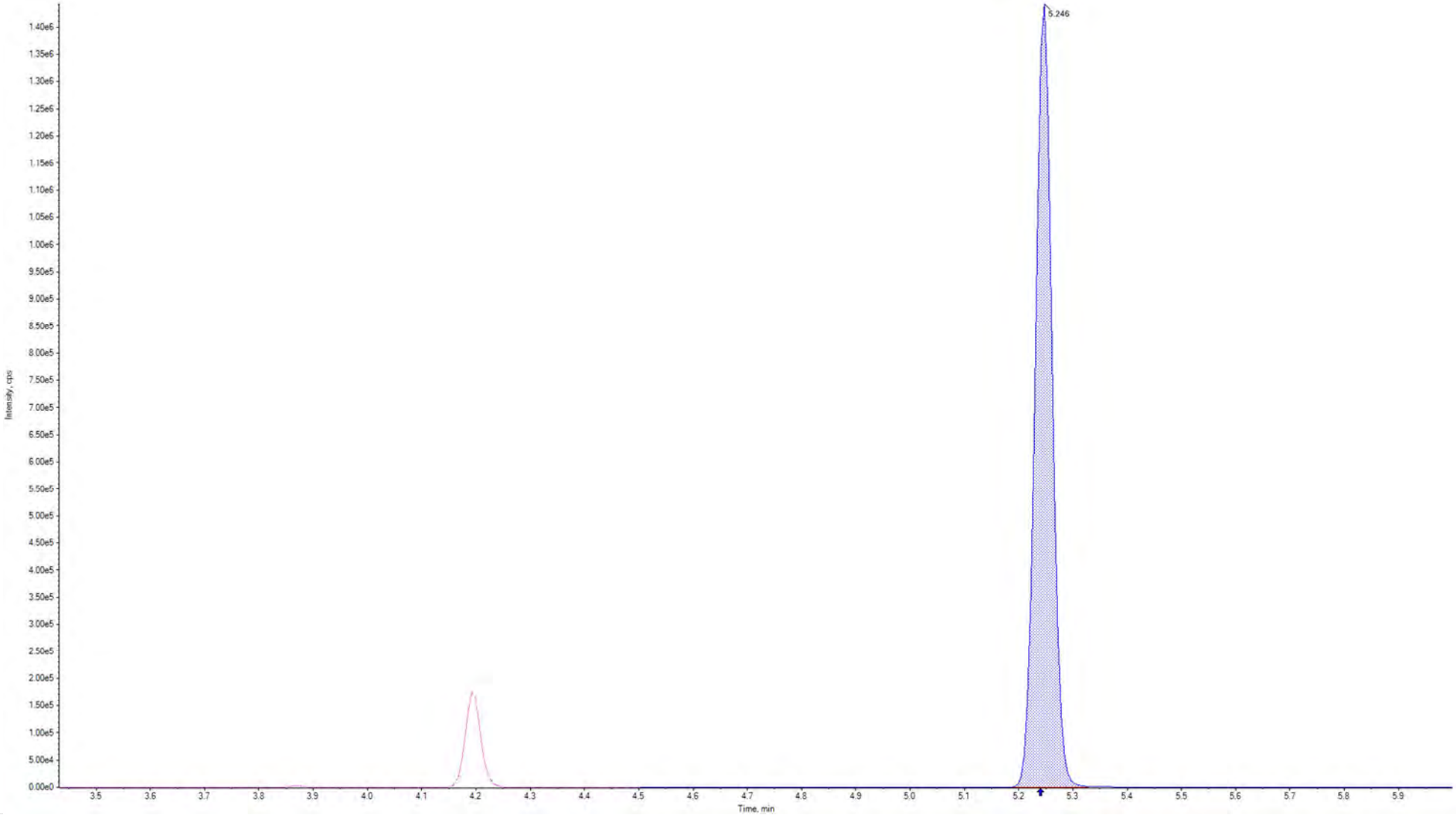
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

9Cl-PF3ONS_2
Sample: CA1633STD-10 S/N:10132.8 Points Across peak:27



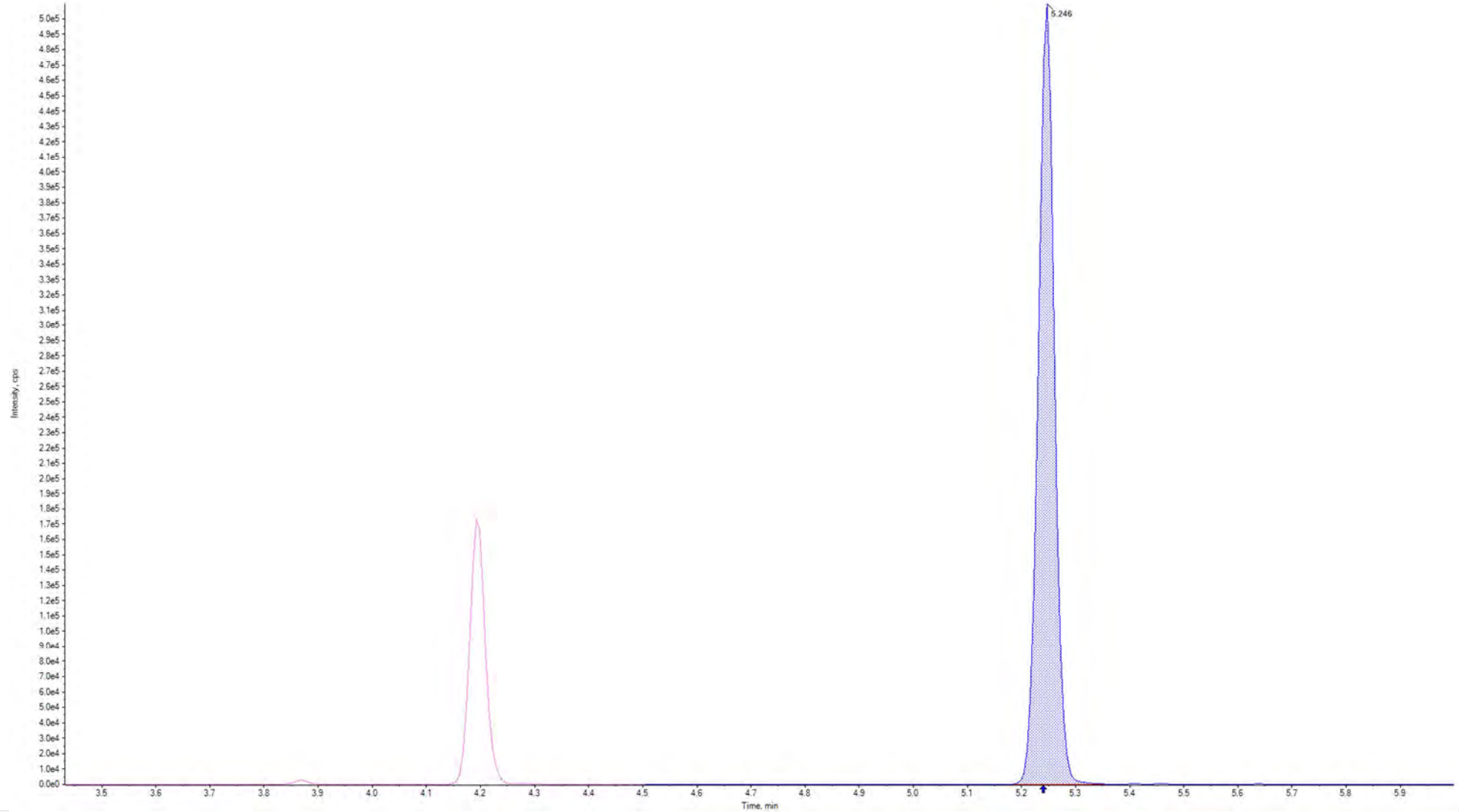
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

11Cl-PF3OUdS
Sample: CA1633STD-10 S/N:8992.2 Points Across peak:27



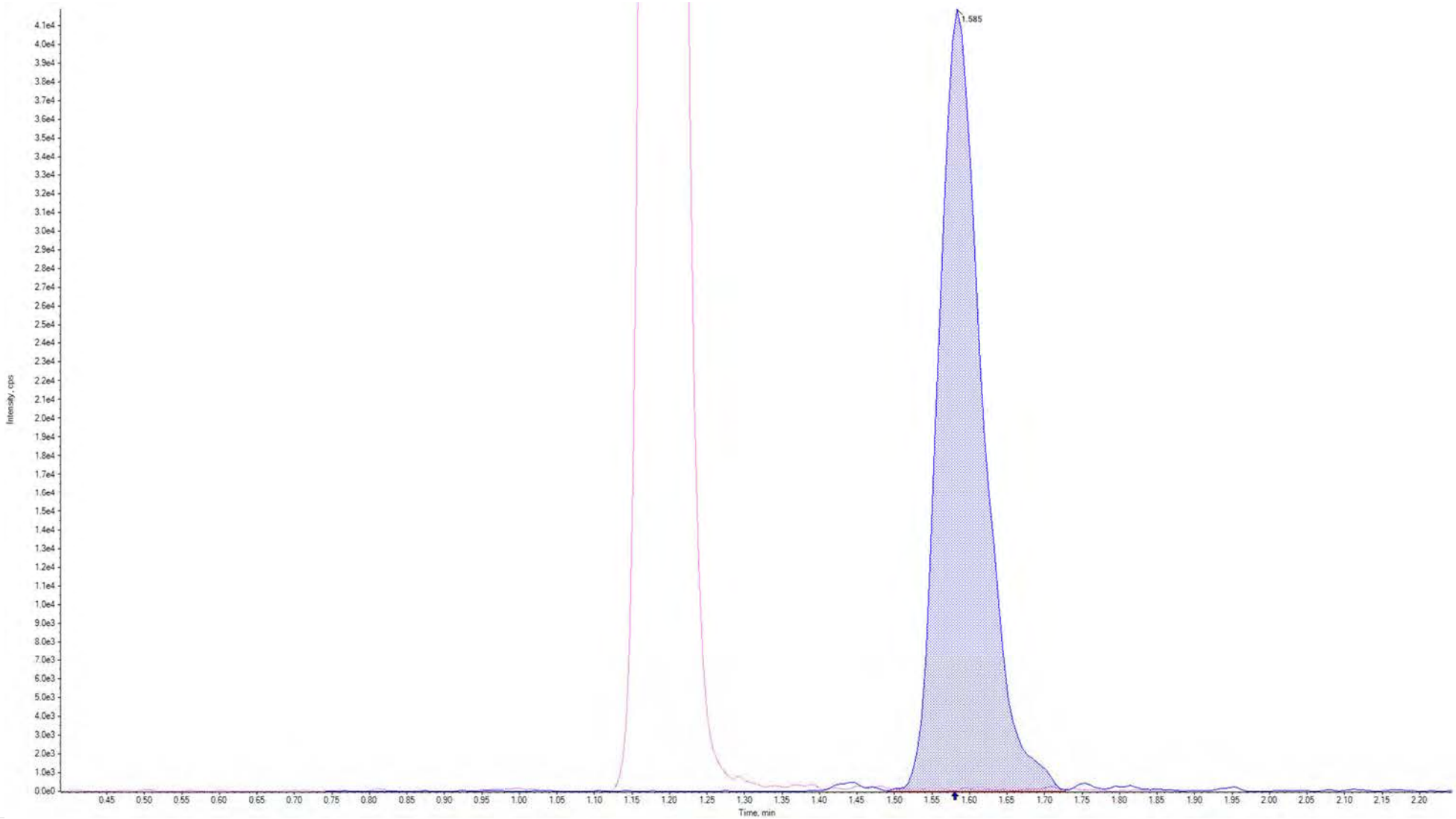
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

11Cl-PF3OUdS_2
Sample: CA1633STD-10 S/N:9637.9 Points Across peak:37



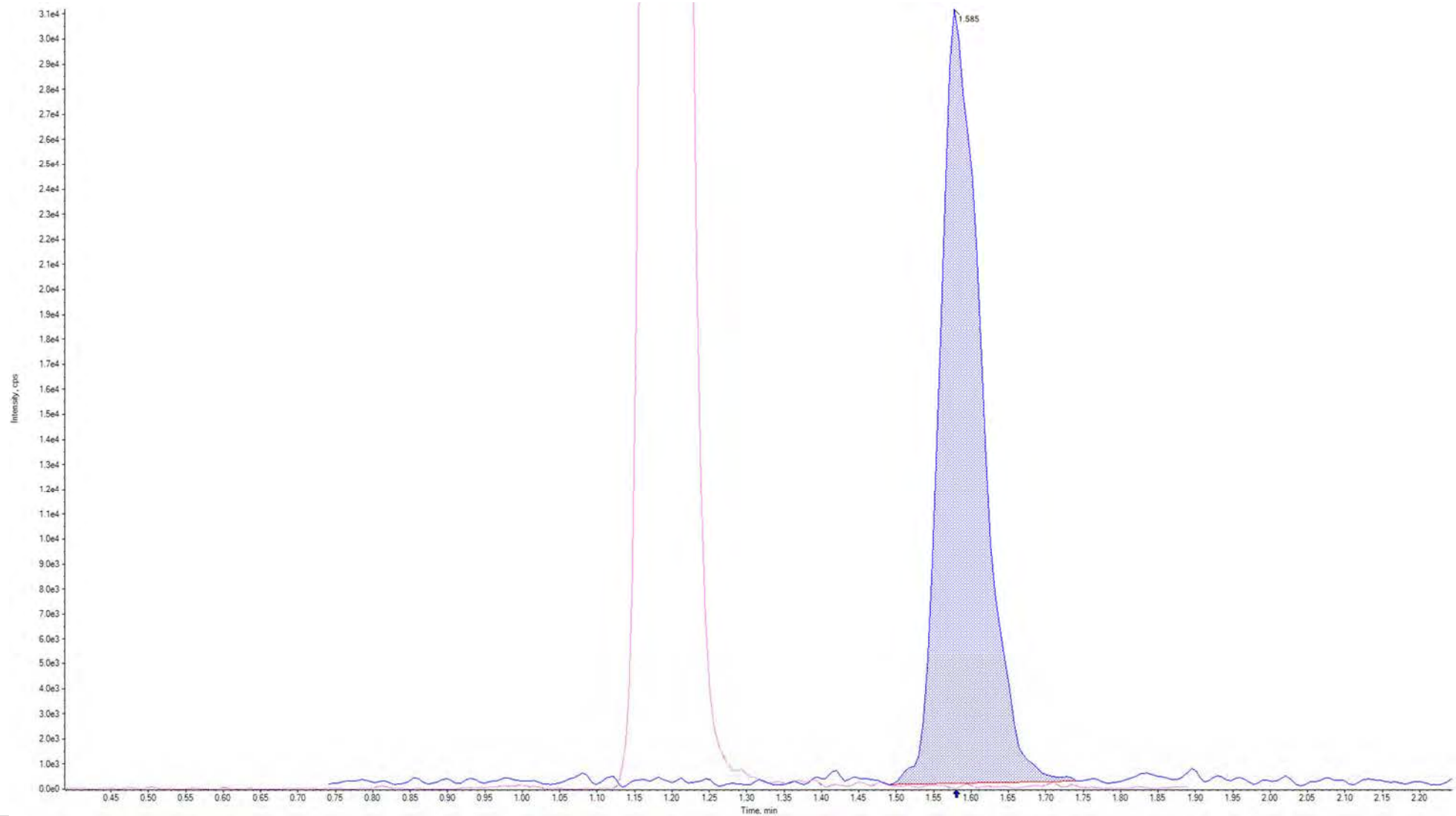
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

3:3FTCA
Sample: CA1633STD-10 S/N:1468.8 Points Across peak:40



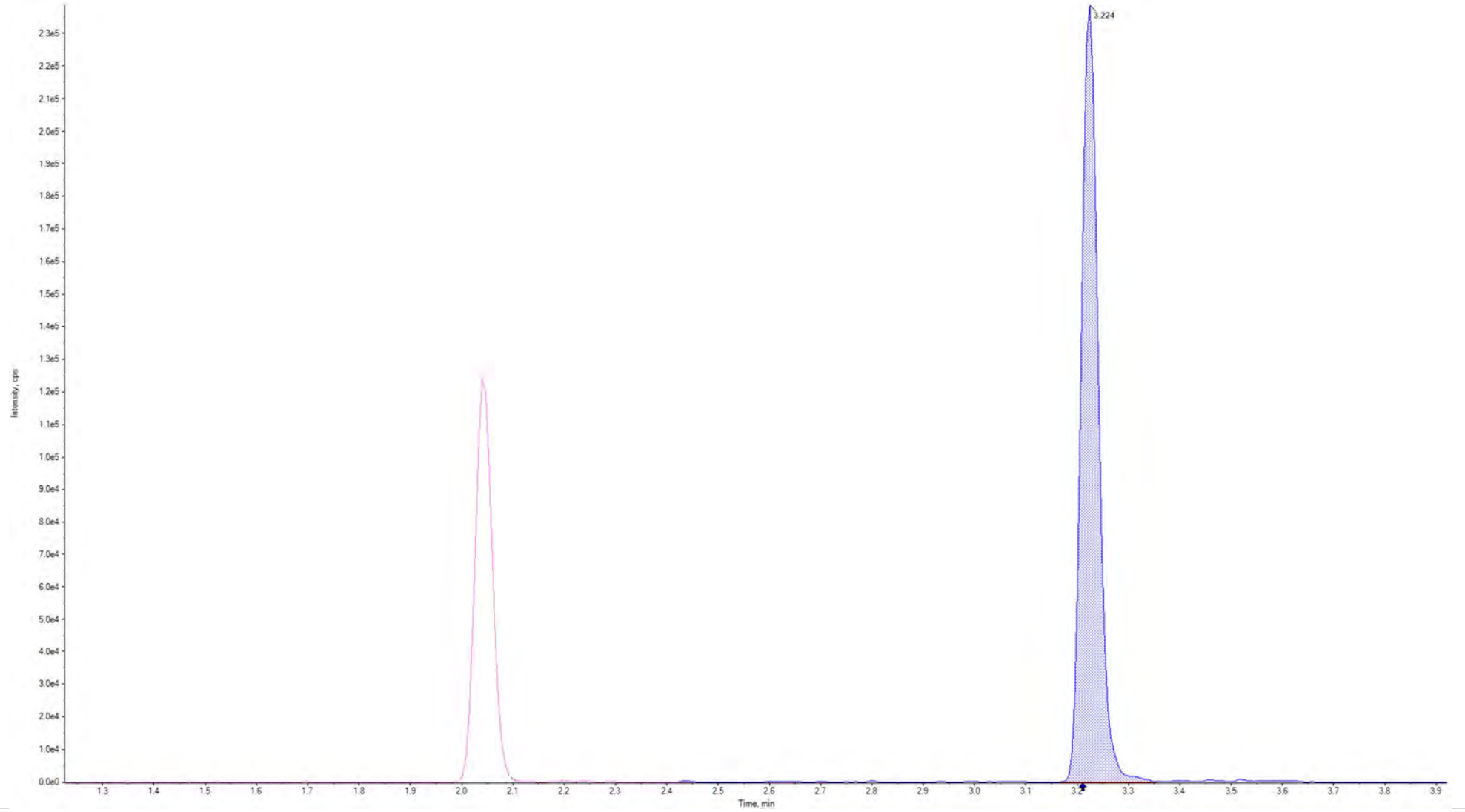
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

3:3FTCA_2
Sample: CA1633STD-10 S/N:715.2 Points Across peak:43



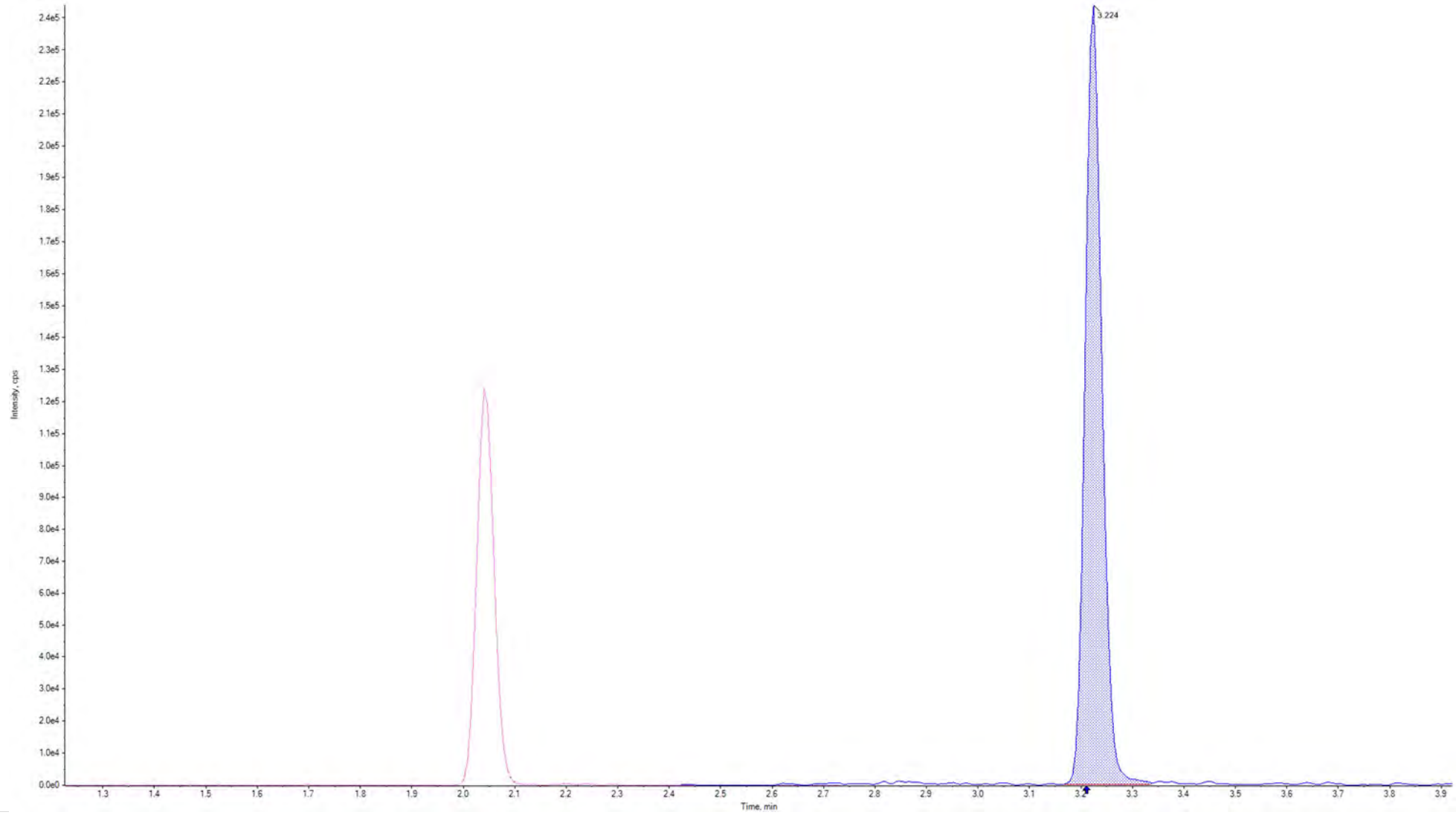
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

5:3FTCA
Sample: CA1633STD-10 S/N:2810.7 Points Across peak:36



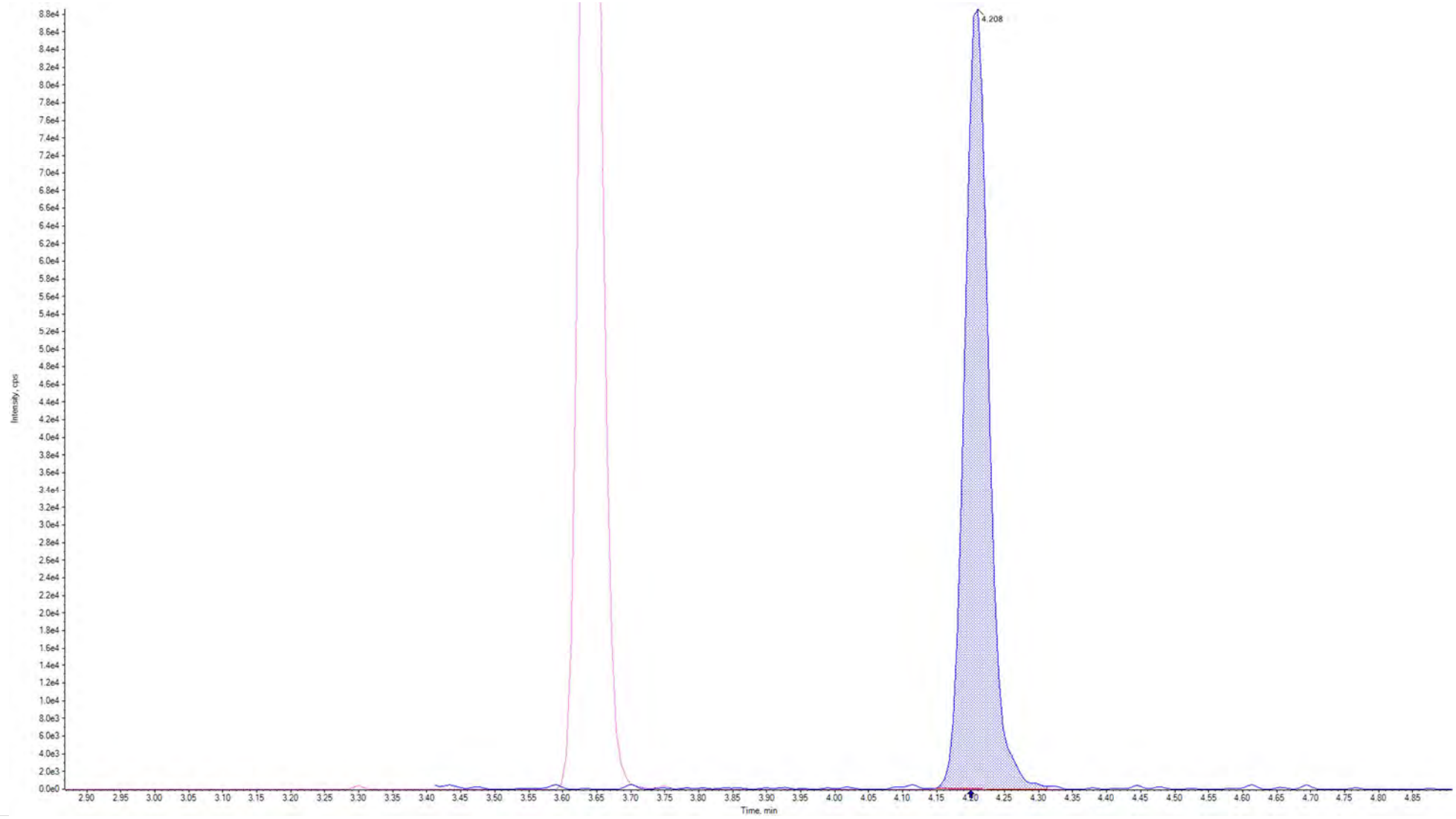
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

5:3FTCA_2
Sample: CA1633STD-10 S/N:3052.5 Points Across peak:31



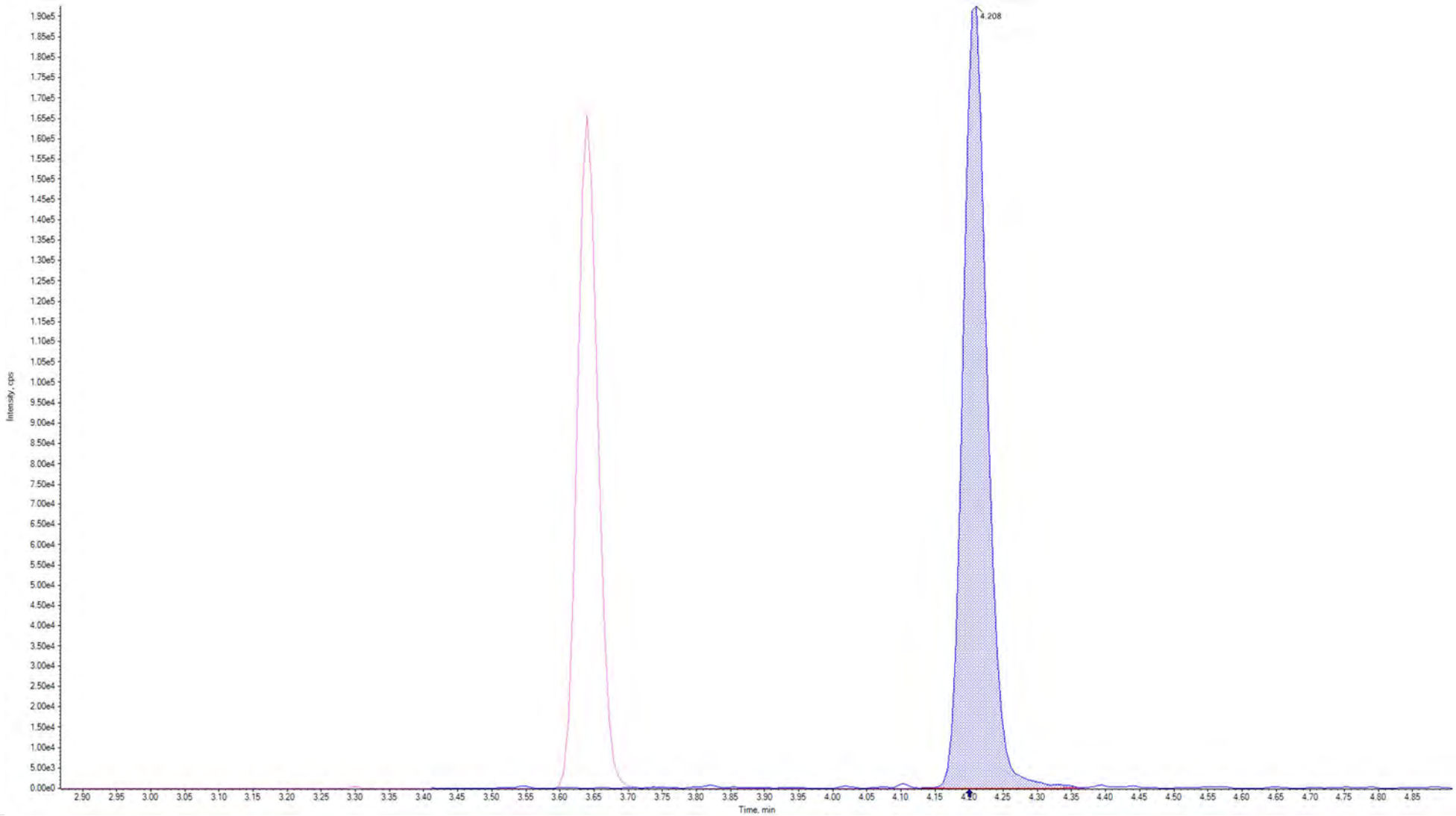
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

7:3FTCA
Sample: CA1633STD-10 S/N:1109.6 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

7:3FTCA_2
Sample: CA1633STD-10 S/N:2411.2 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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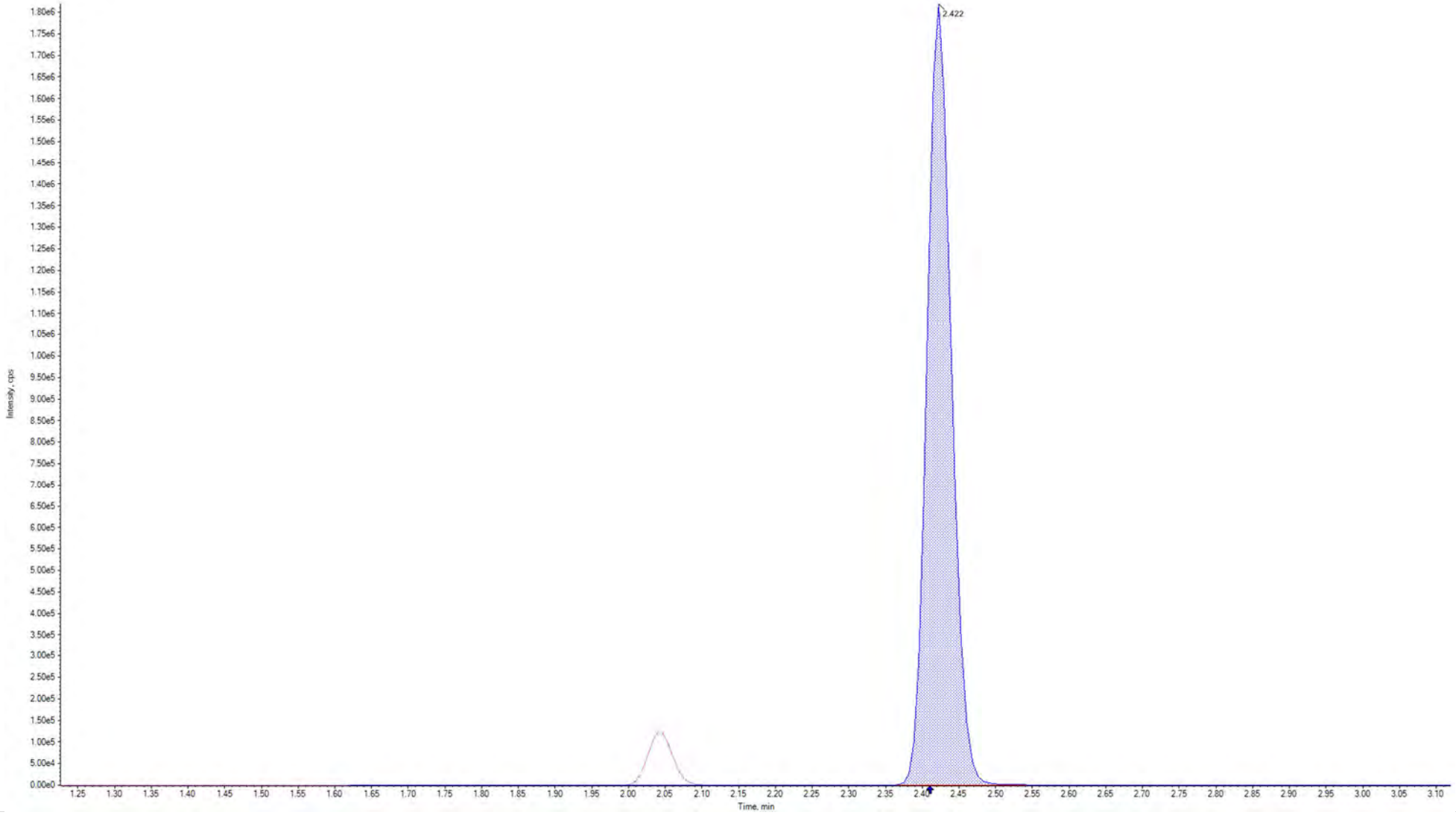
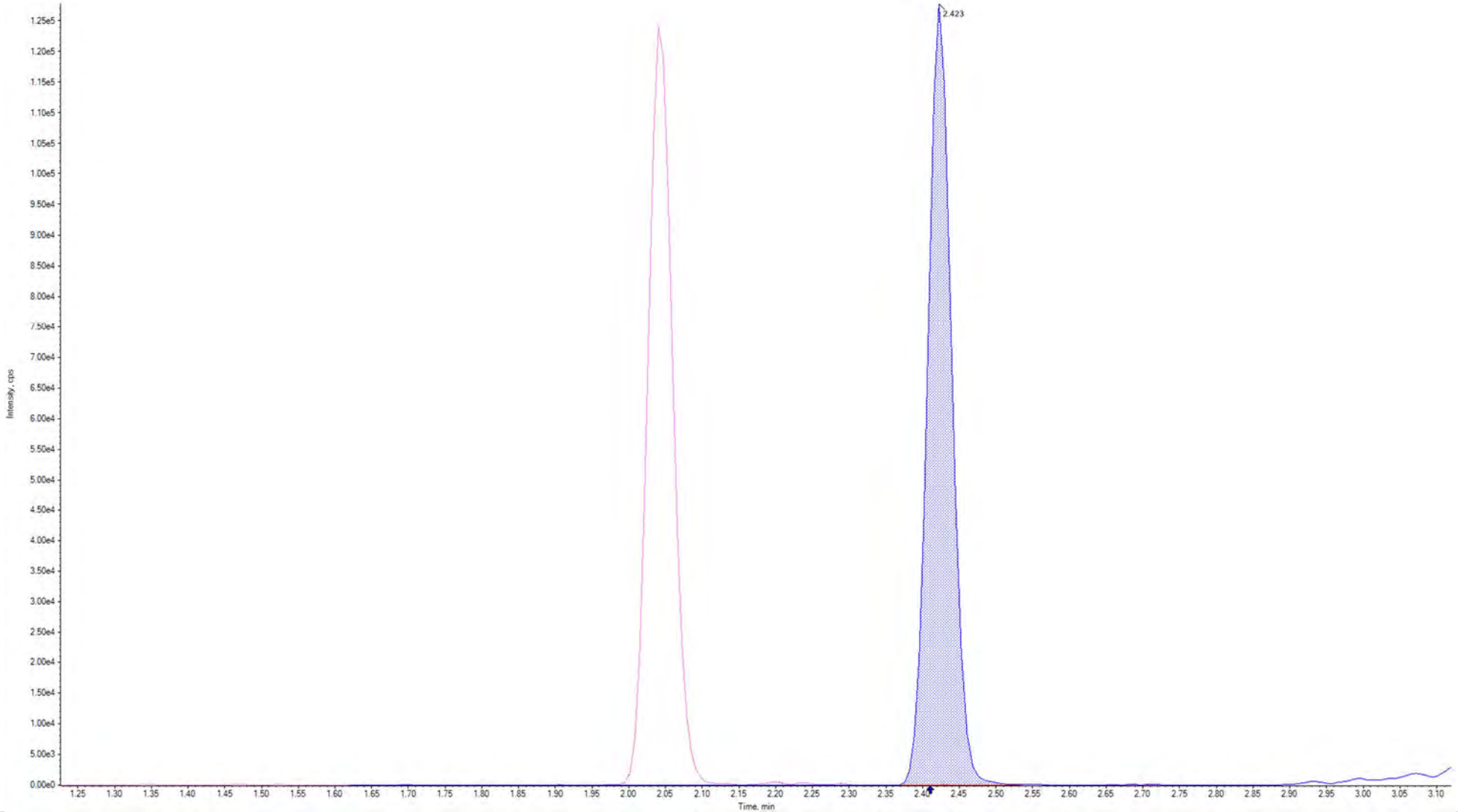
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFEESA
Sample: CA1633STD-10 S/N:13730.8 Points Across peak:36



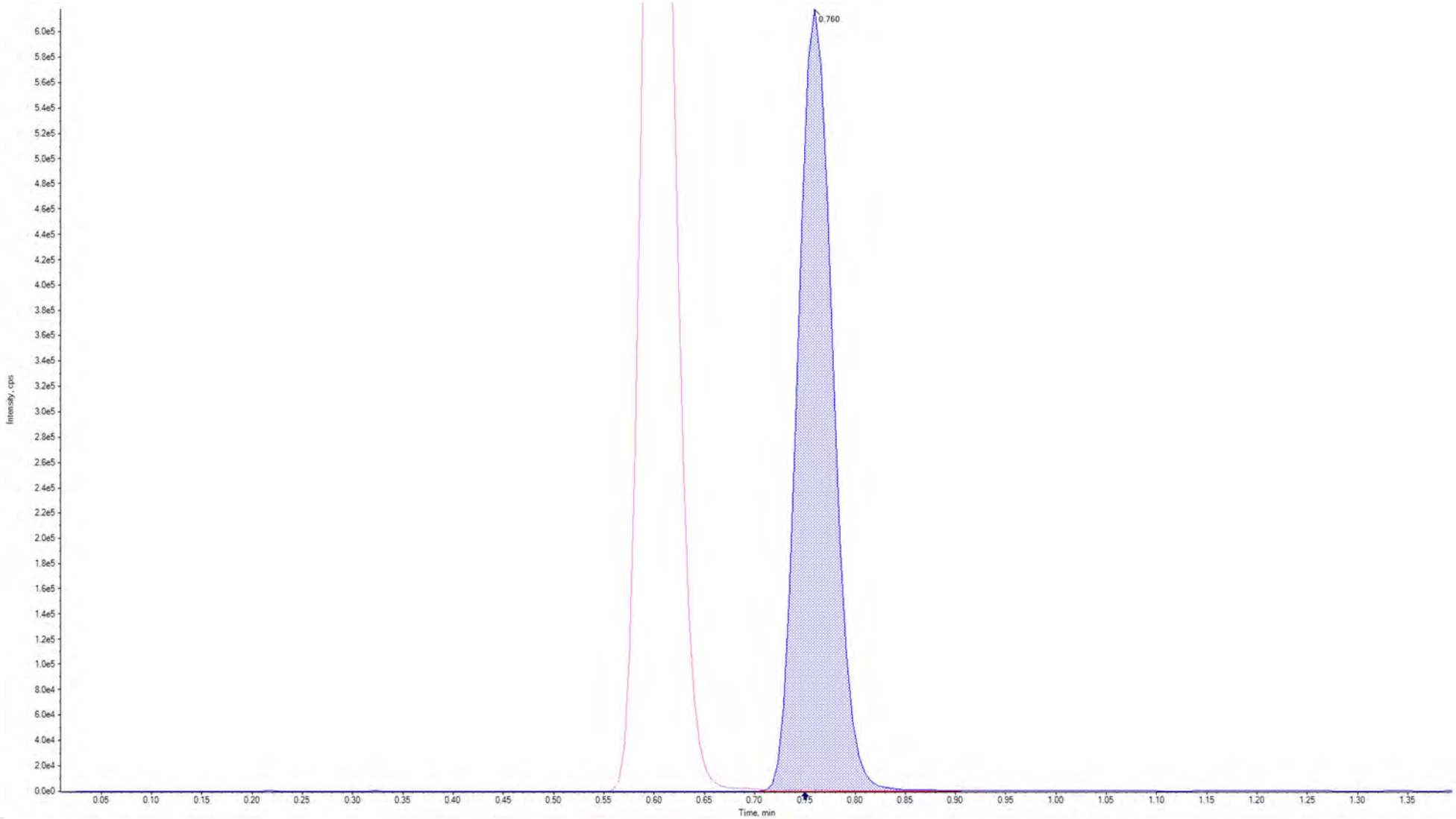
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFEESA_2
Sample: CA1633STD-10 S/N:2241.1 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\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFMPA
Sample: CA1633STD-10 S/N:4471.4 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\250228\SCI07_250228_37.wiff2_3
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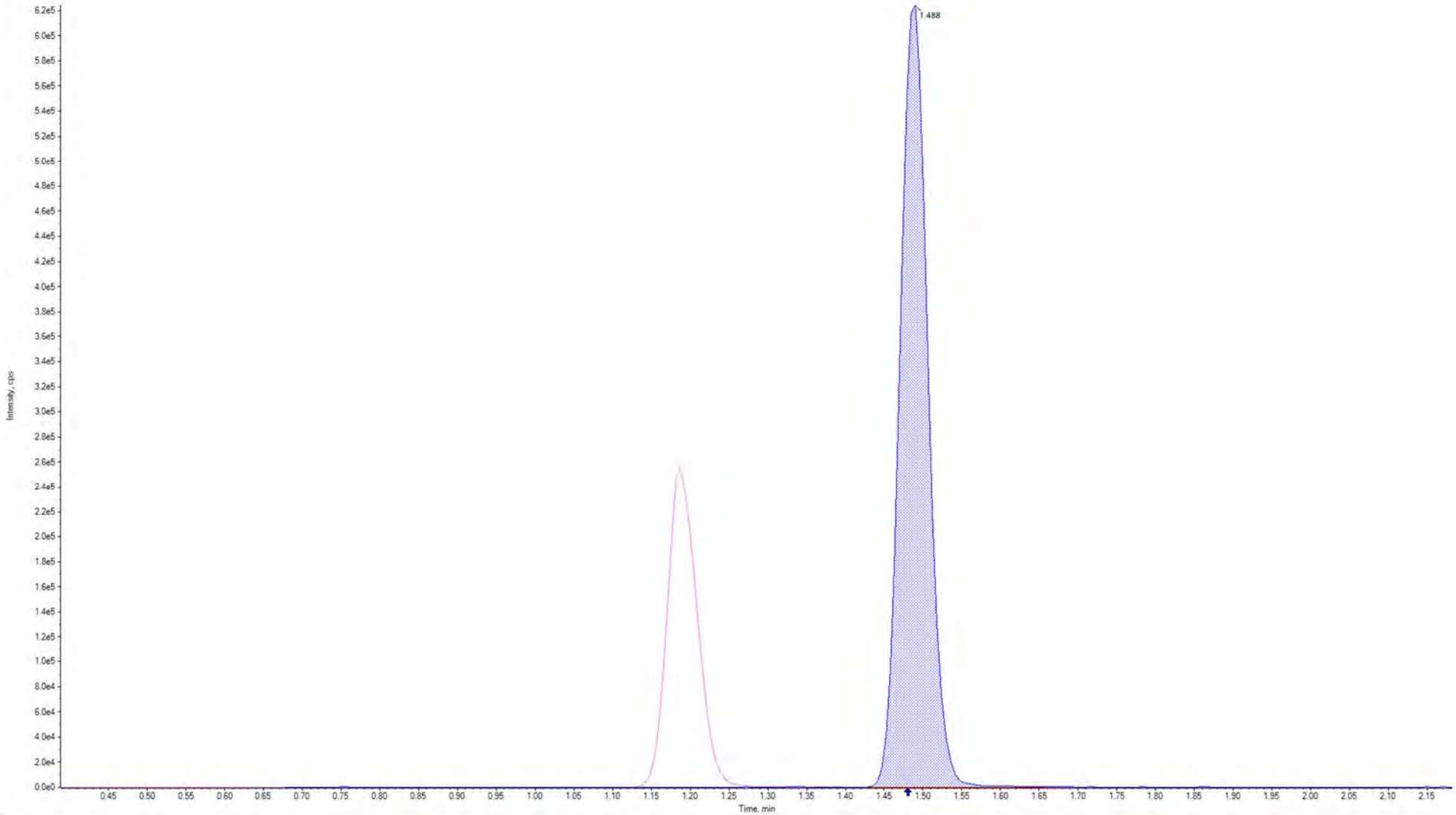
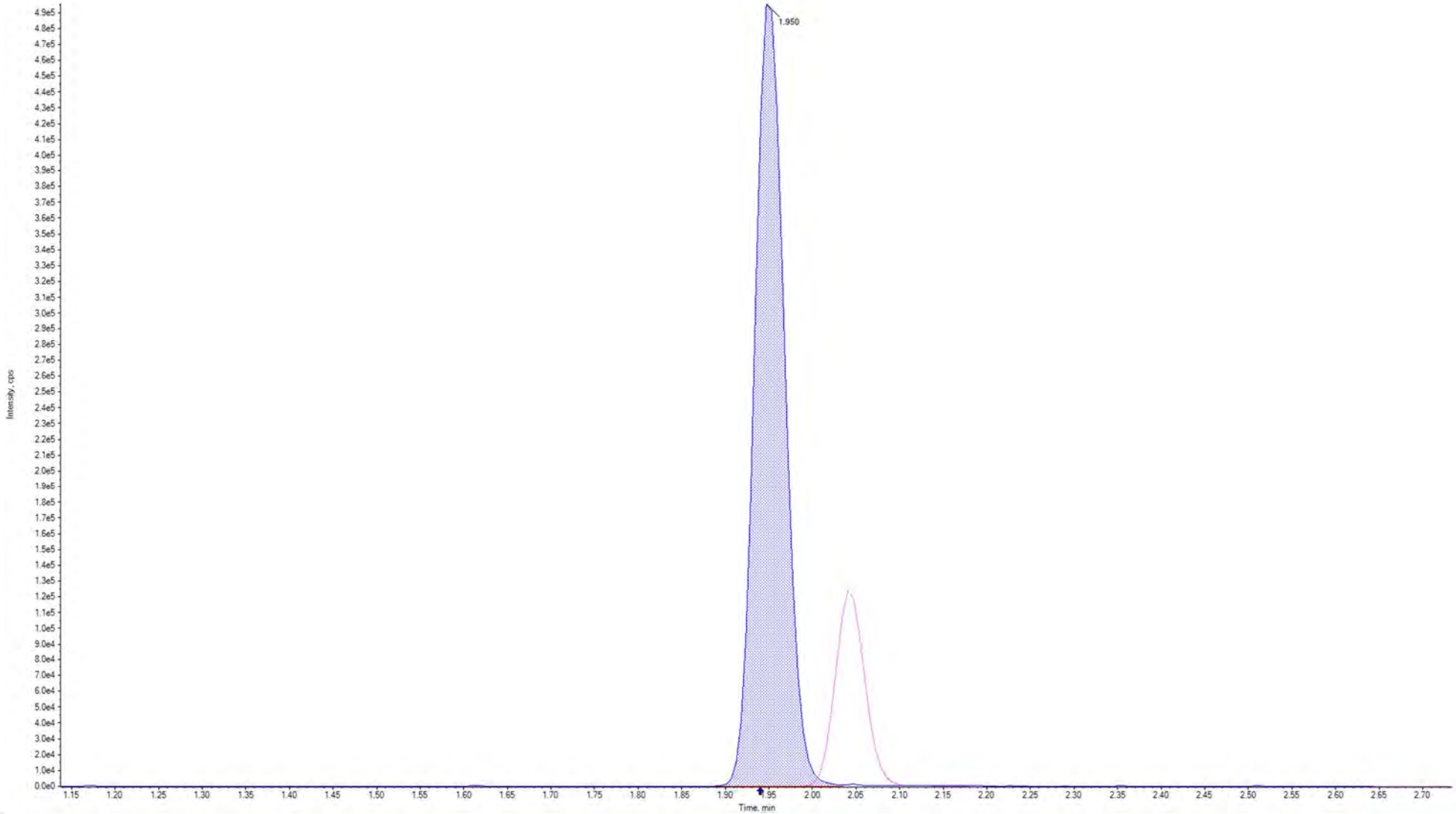
Generated: 3/1/2025 7:28:00 AM

PFMBA
Sample: CA1633STD-10 S/N:18029.2 Points Across peak:48



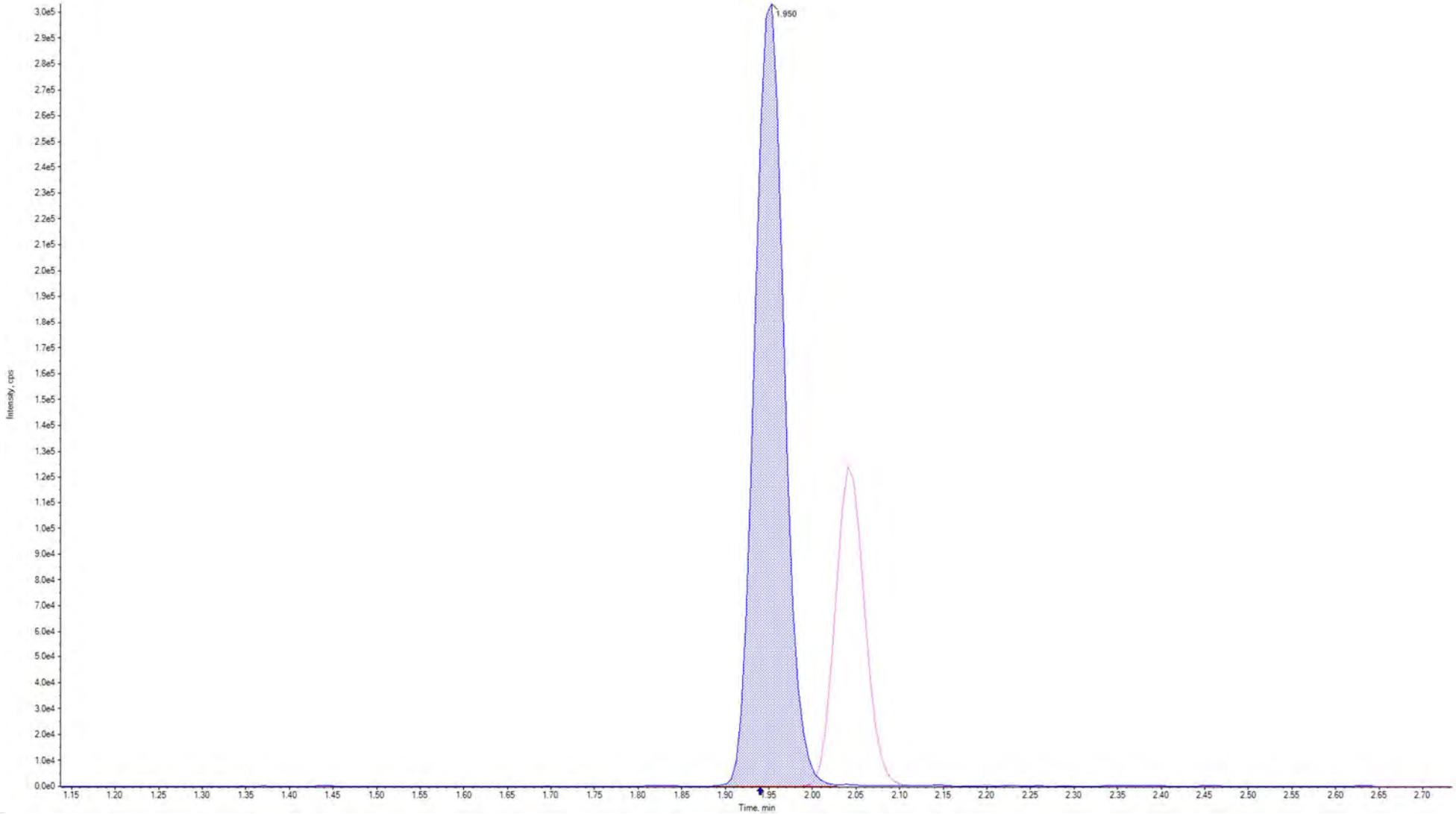
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

NFDHA
Sample: CA1633STD-10 S/N:11176.7 Points Across peak:31



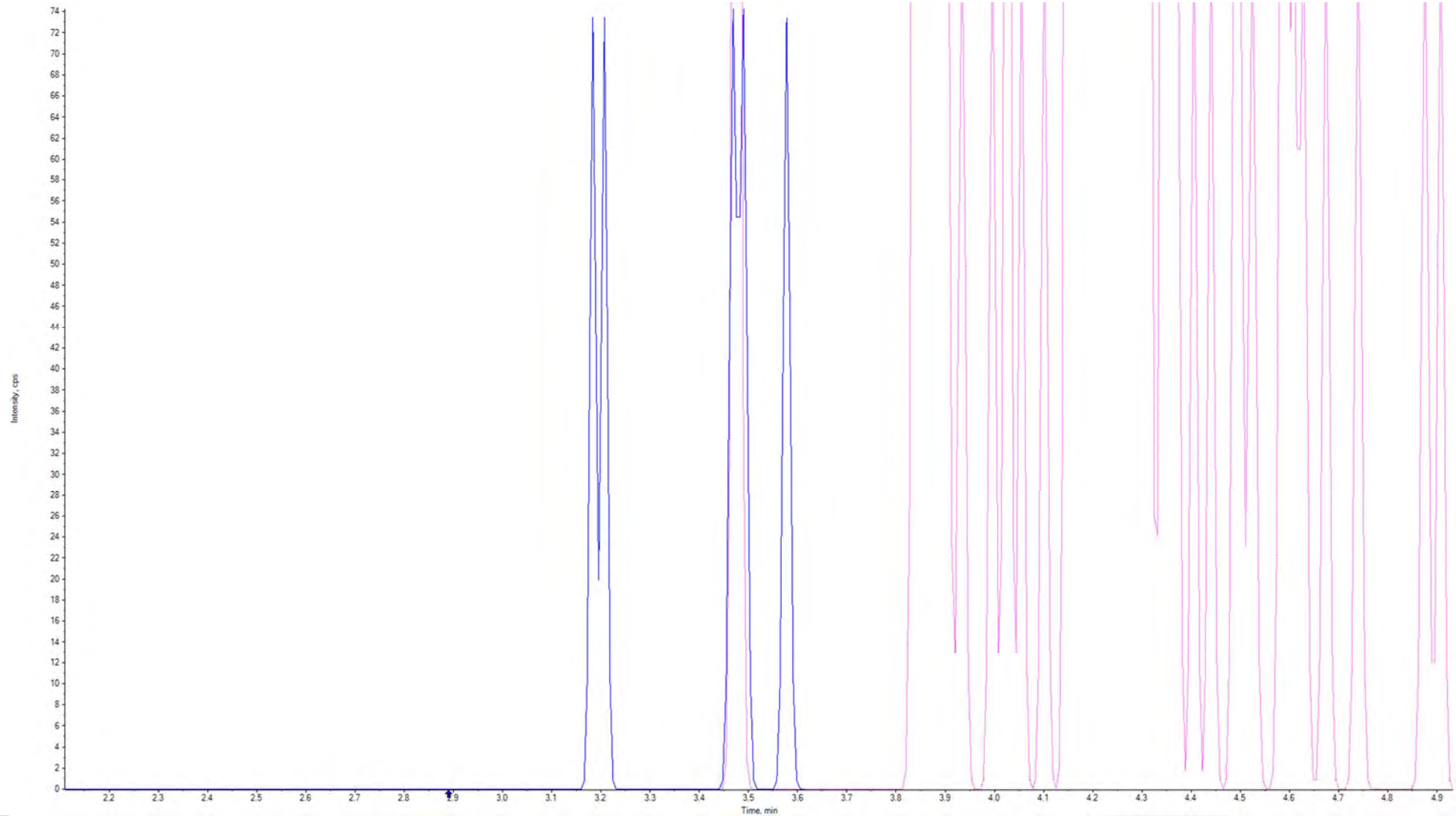
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

NFDHA_2
Sample: CA1633STD-10 S/N:6839.0 Points Across peak:27



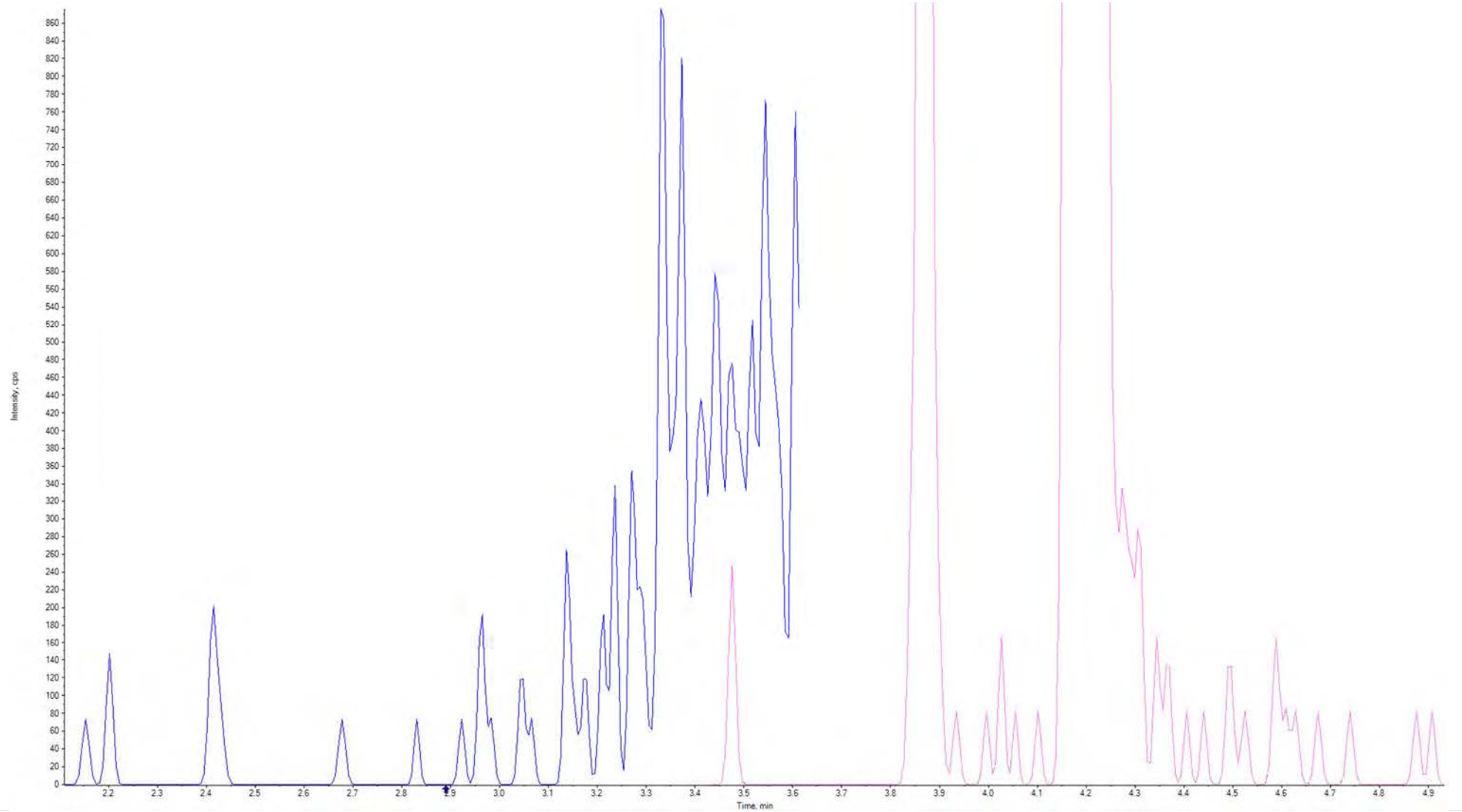
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

TDCA
Sample: CA1633STD-10 S/N:N/A Points Across peak:N/A



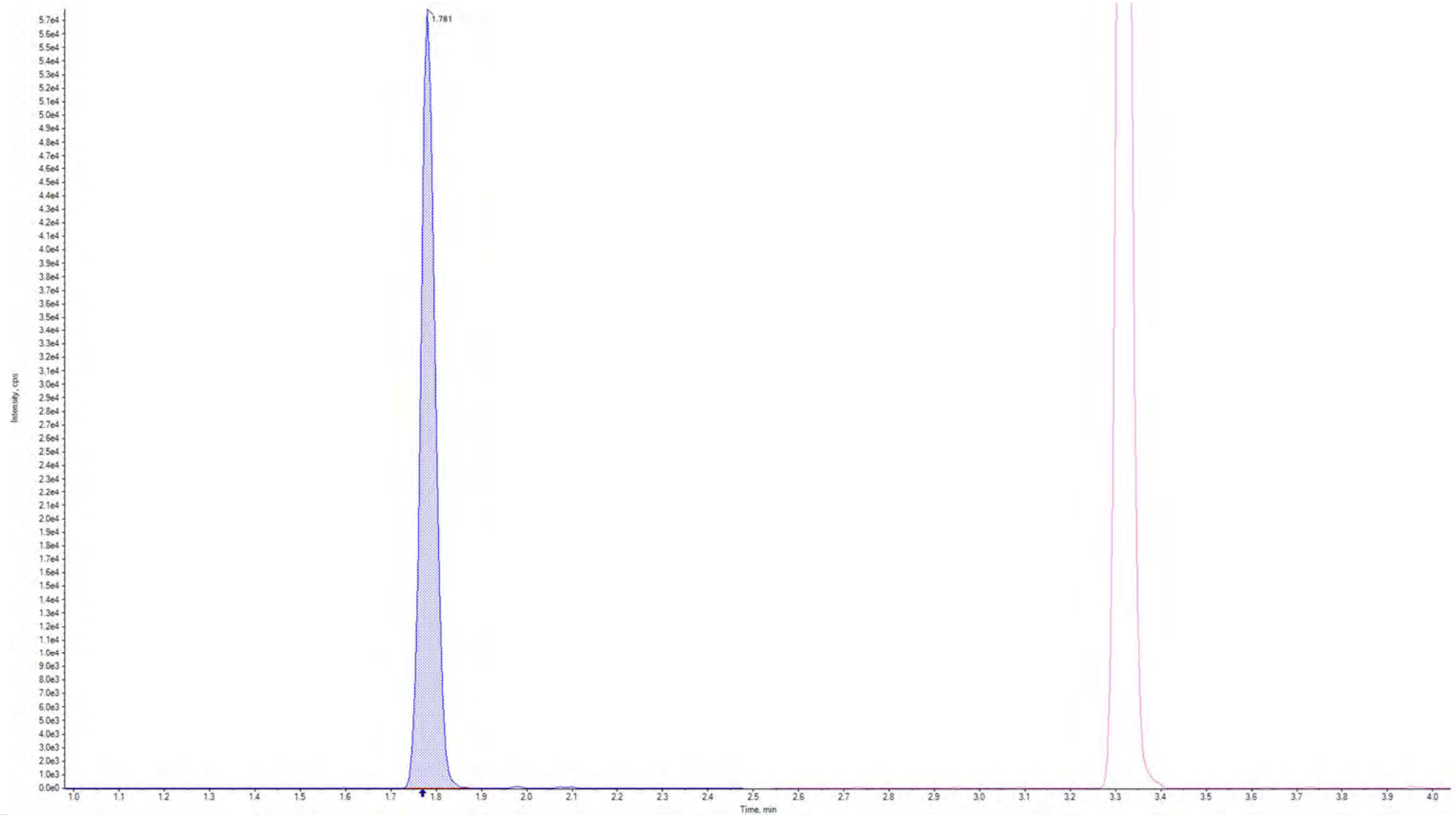
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

TDCA_2
Sample: CA1633STD-10 S/N:N/A Points Across peak:N/A



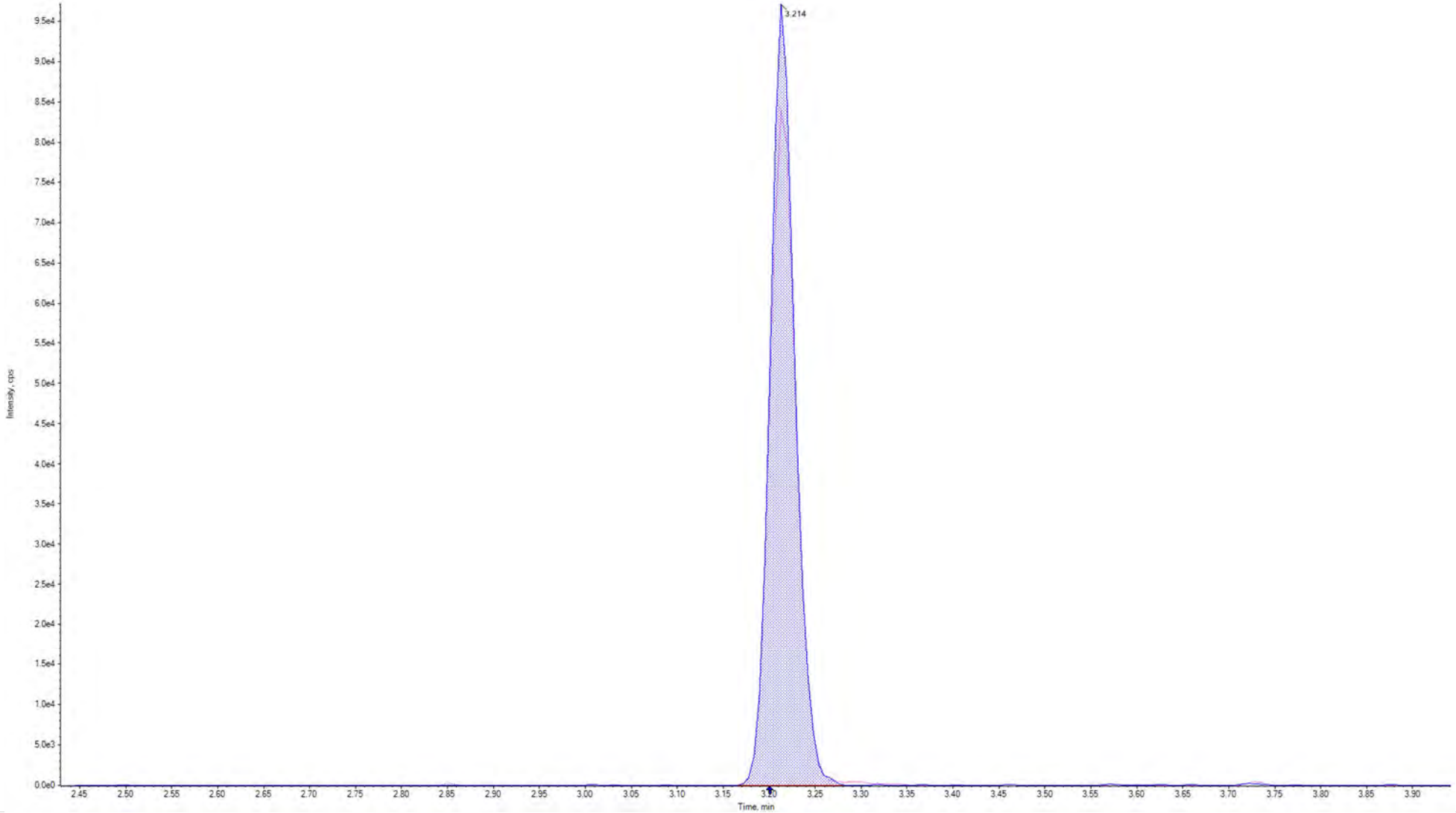
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

13C2D4-4:2FTS
Sample: CA1633STD-10 S/N:1594.7 Points Across peak:35

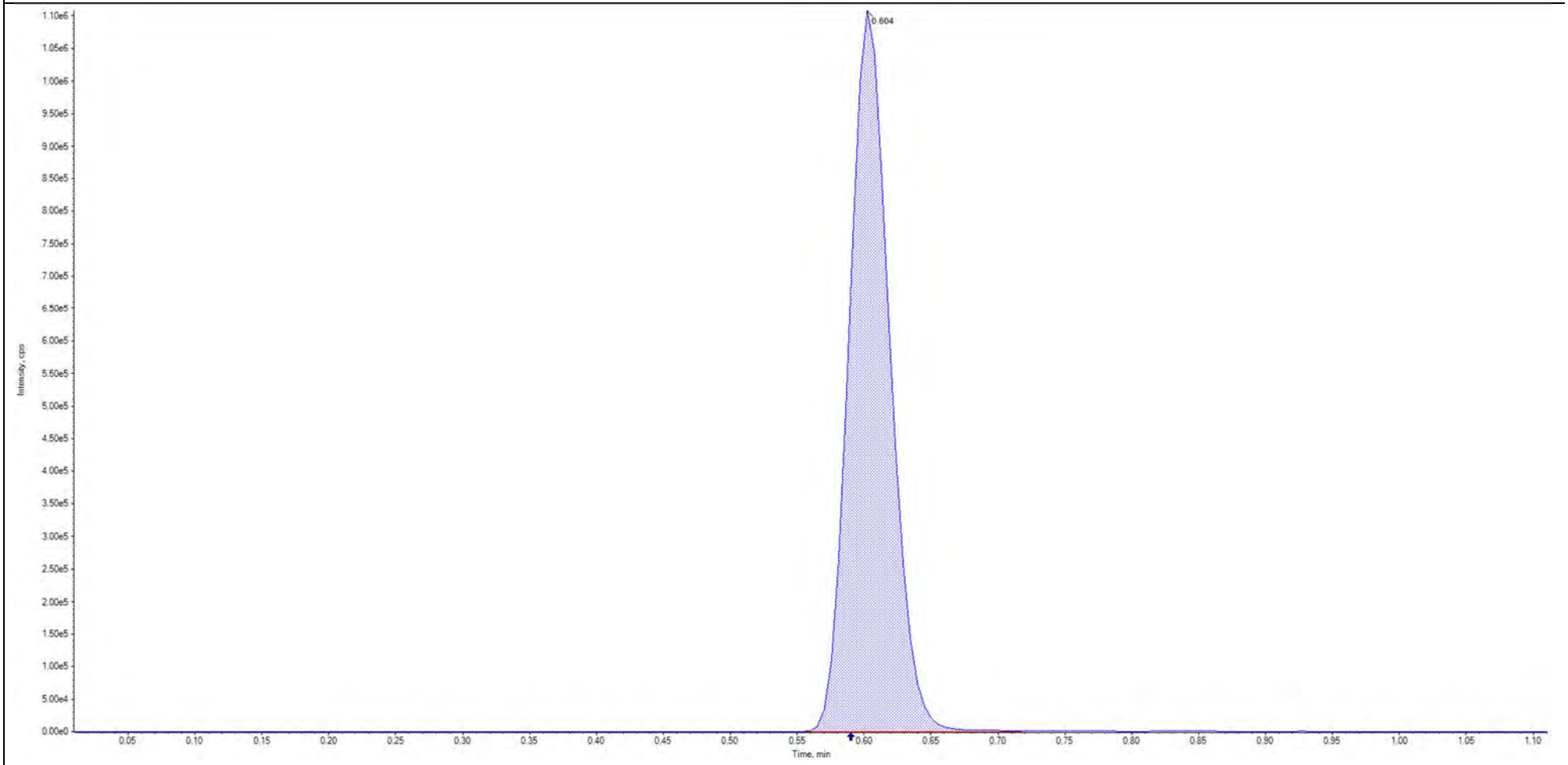


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

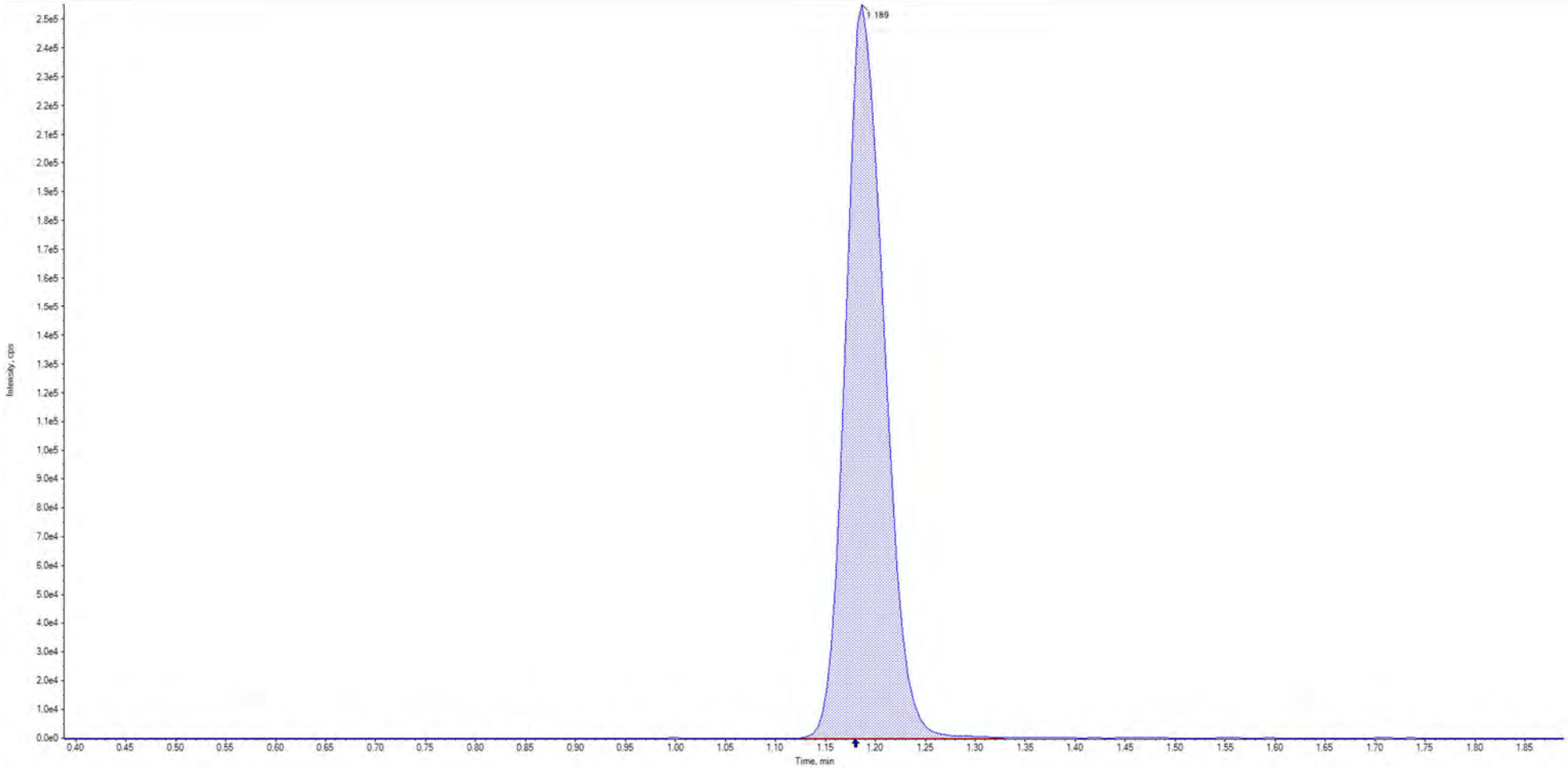
13C2-PFOA
Sample: CA1633STD-10 S/N:1217.2 Points Across peak:29



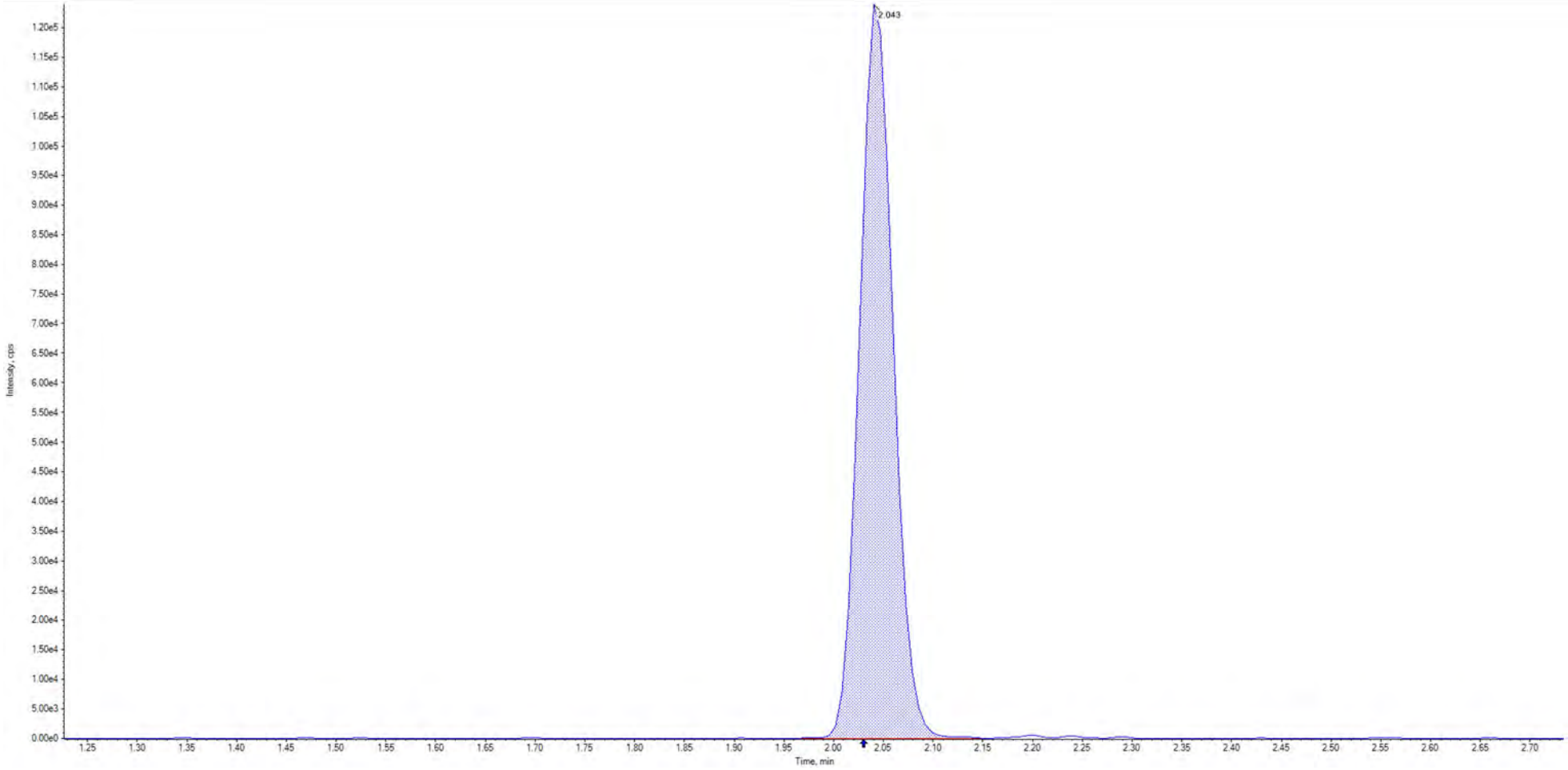
13C4-PFBA
Sample: CA1633STD-10



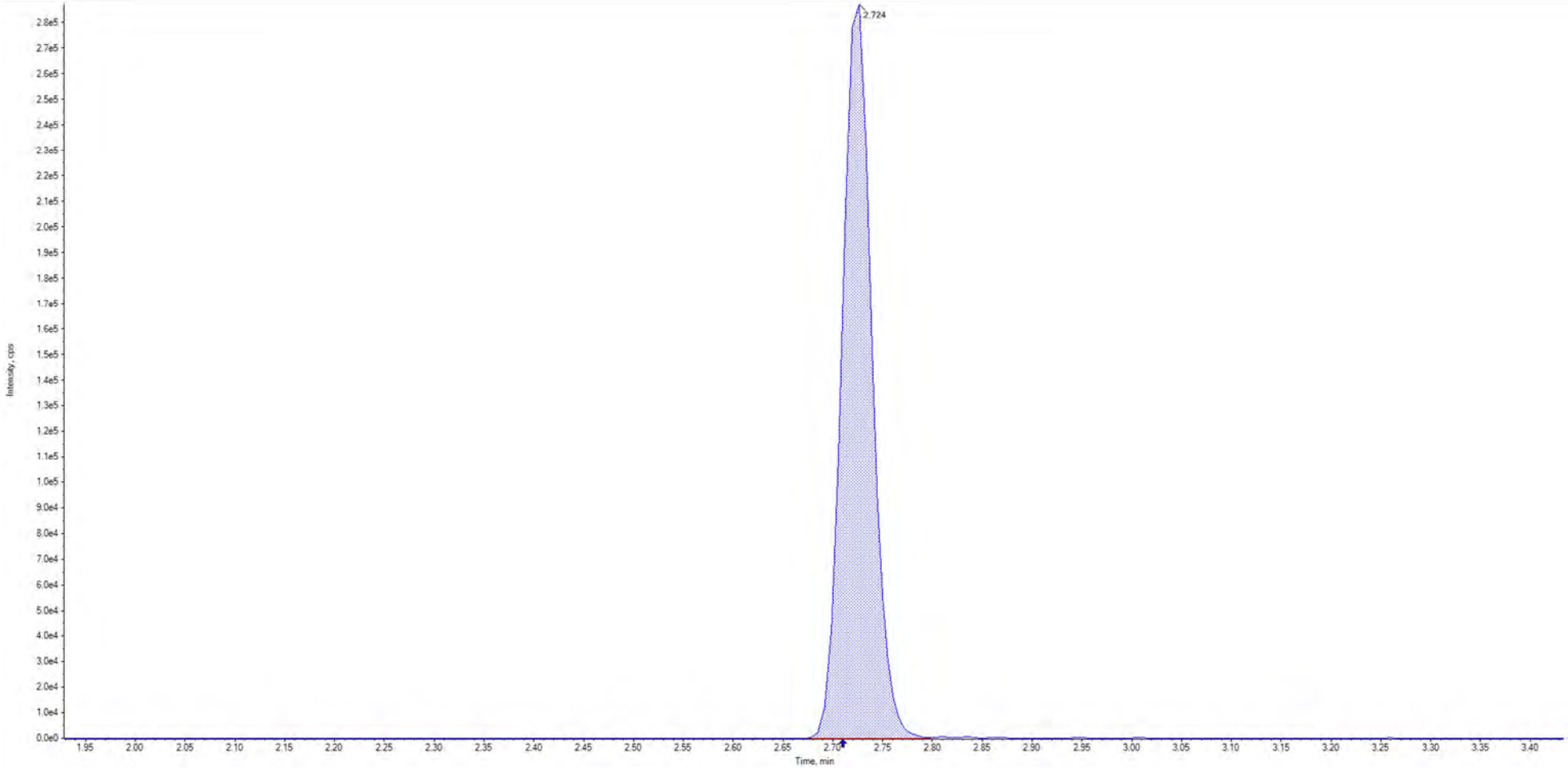
13C5-PFPeA
Sample: CA1633STD-10



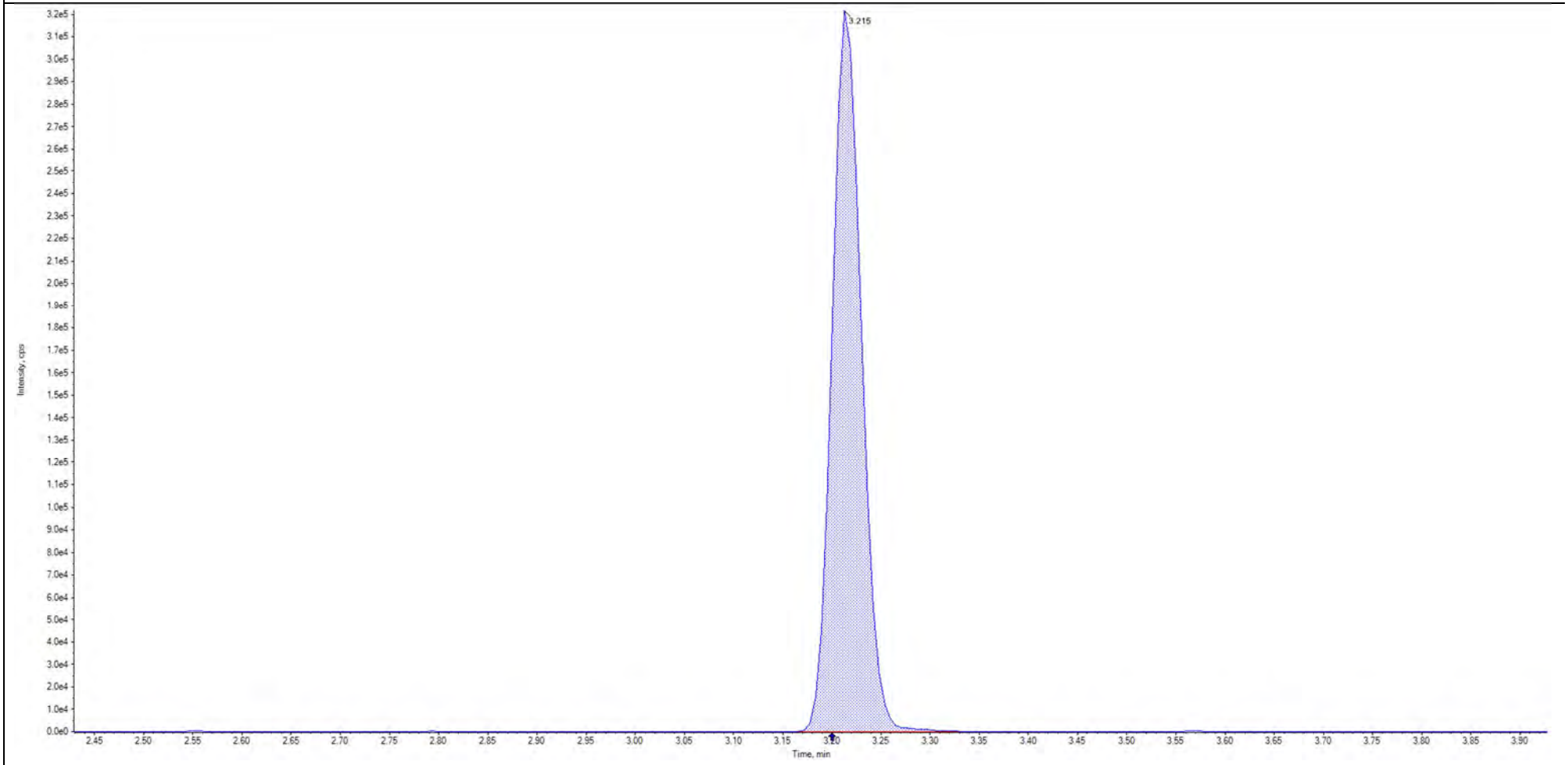
13C5-PFHxA
Sample: CA1633STD-10



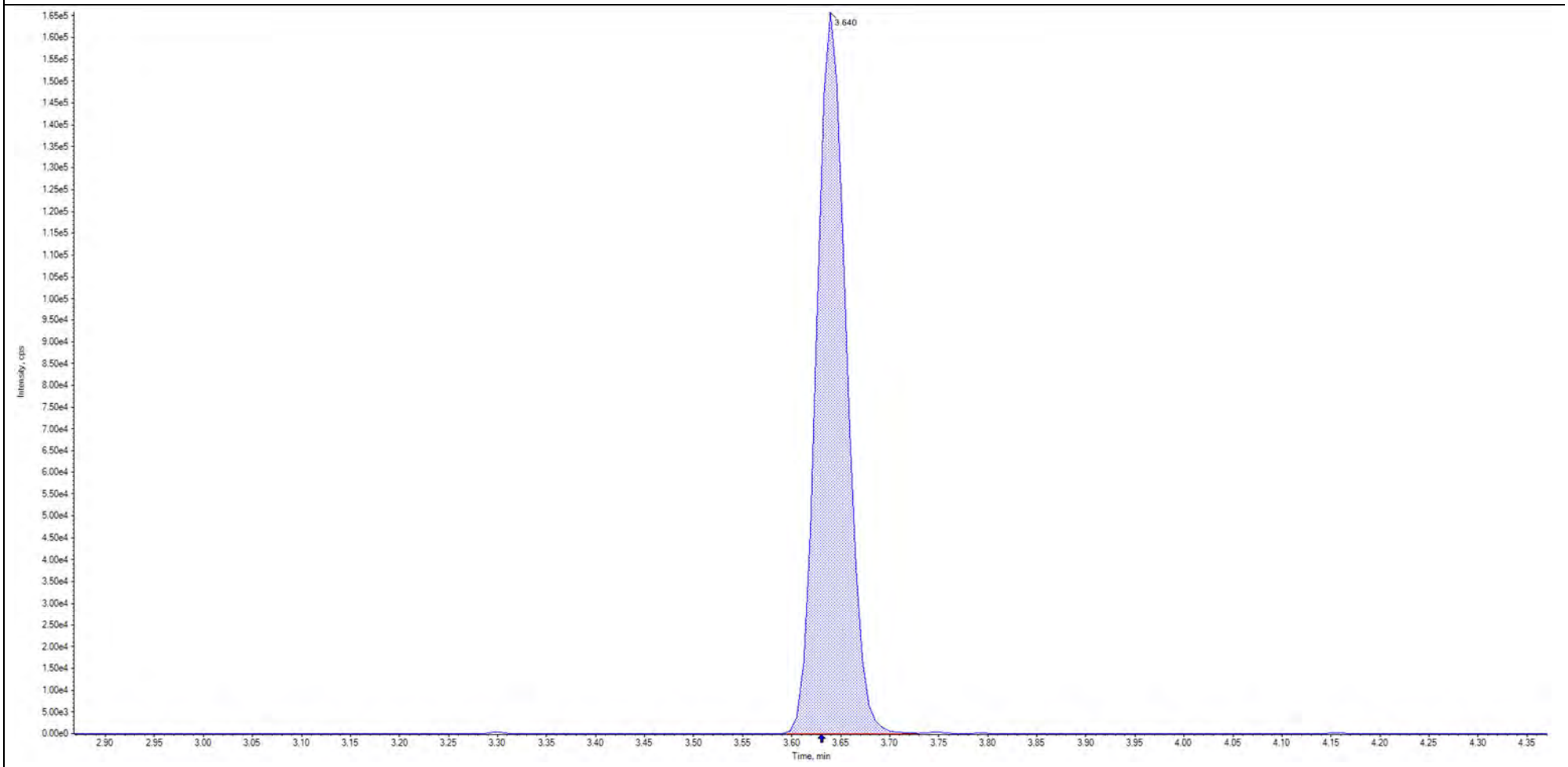
13C4-PFHpA
Sample: CA1633STD-10



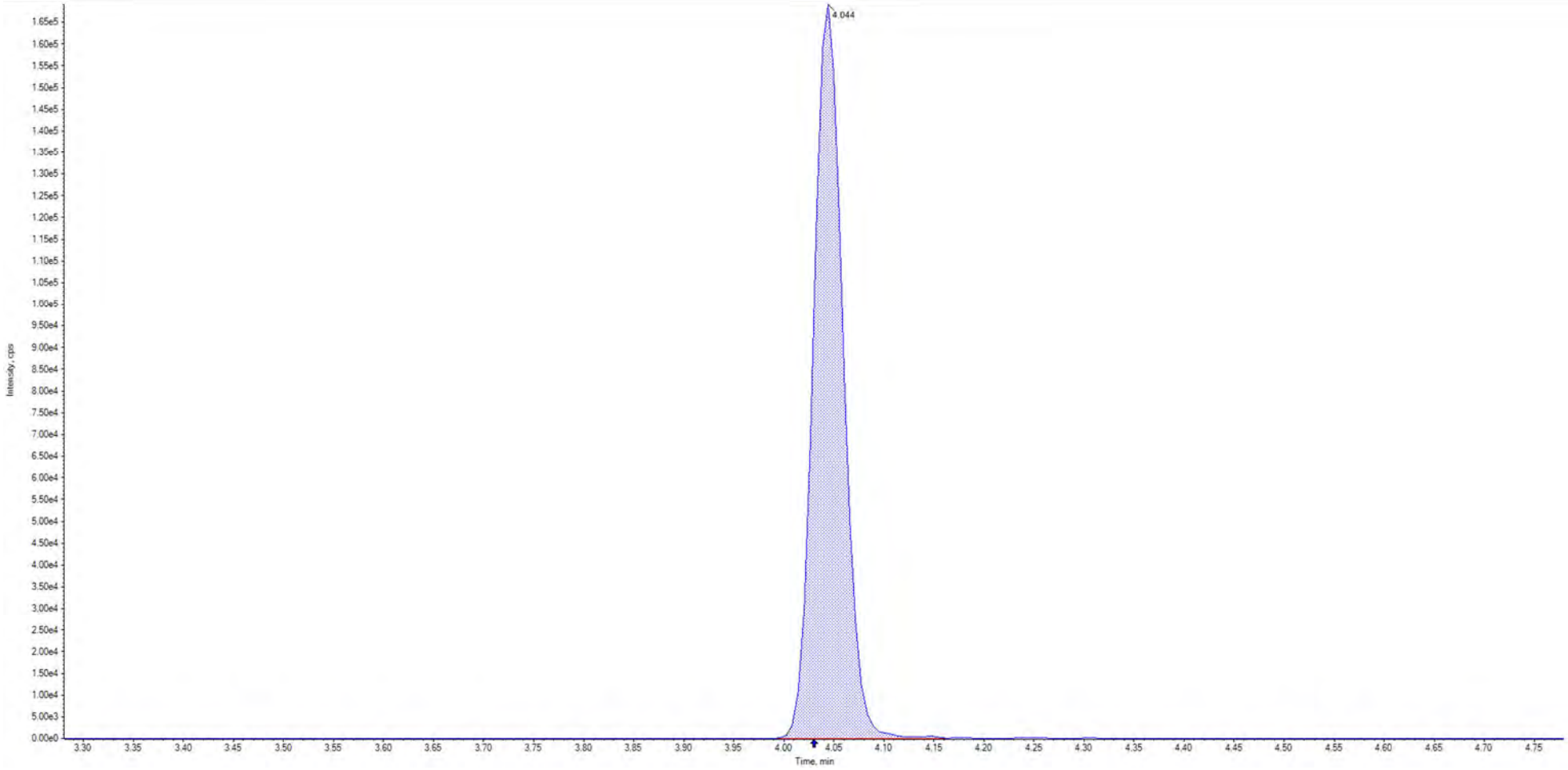
13C8-PFOA
Sample: CA1633STD-10



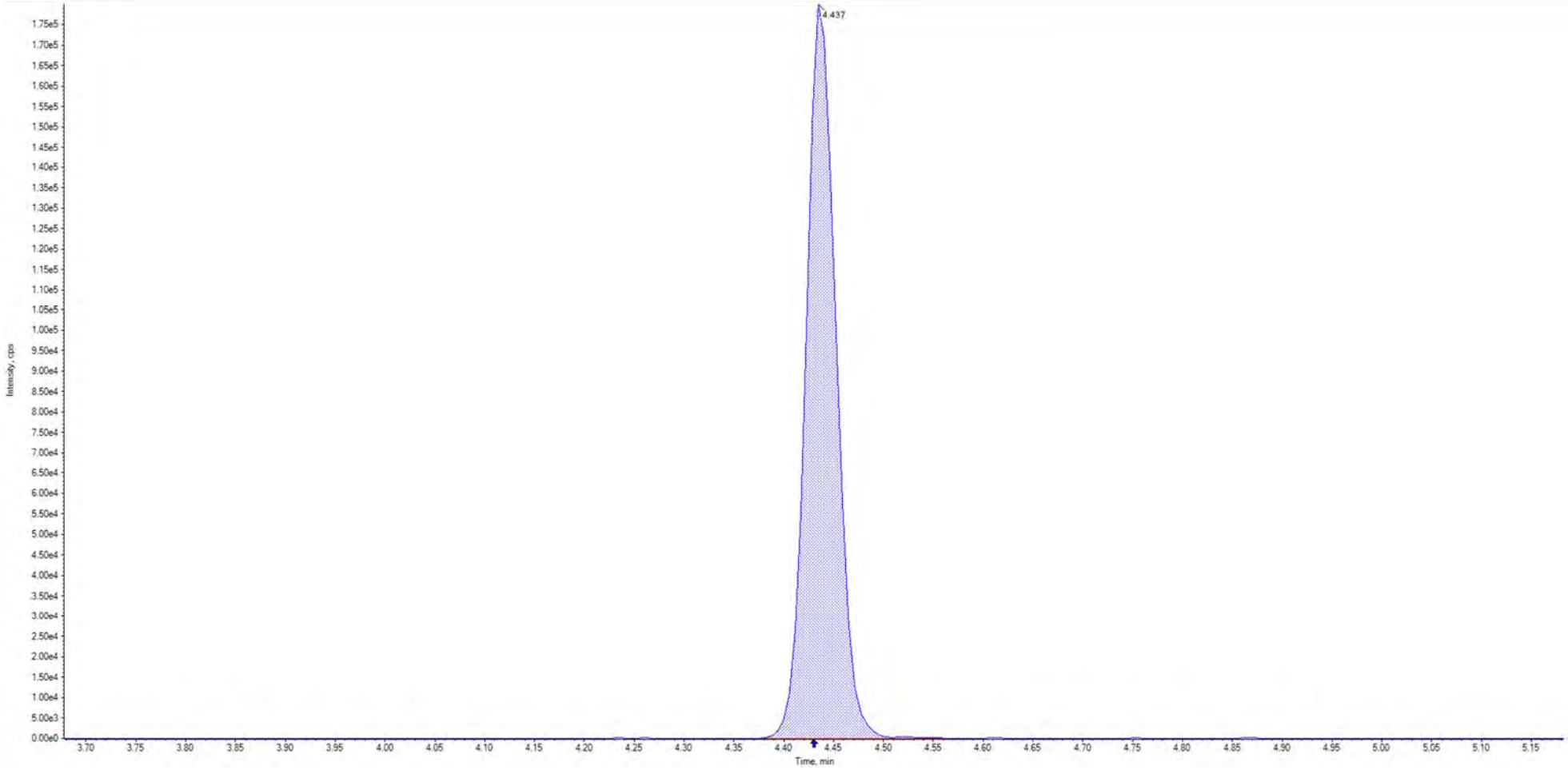
13C9-PFNA
Sample: CA1633STD-10



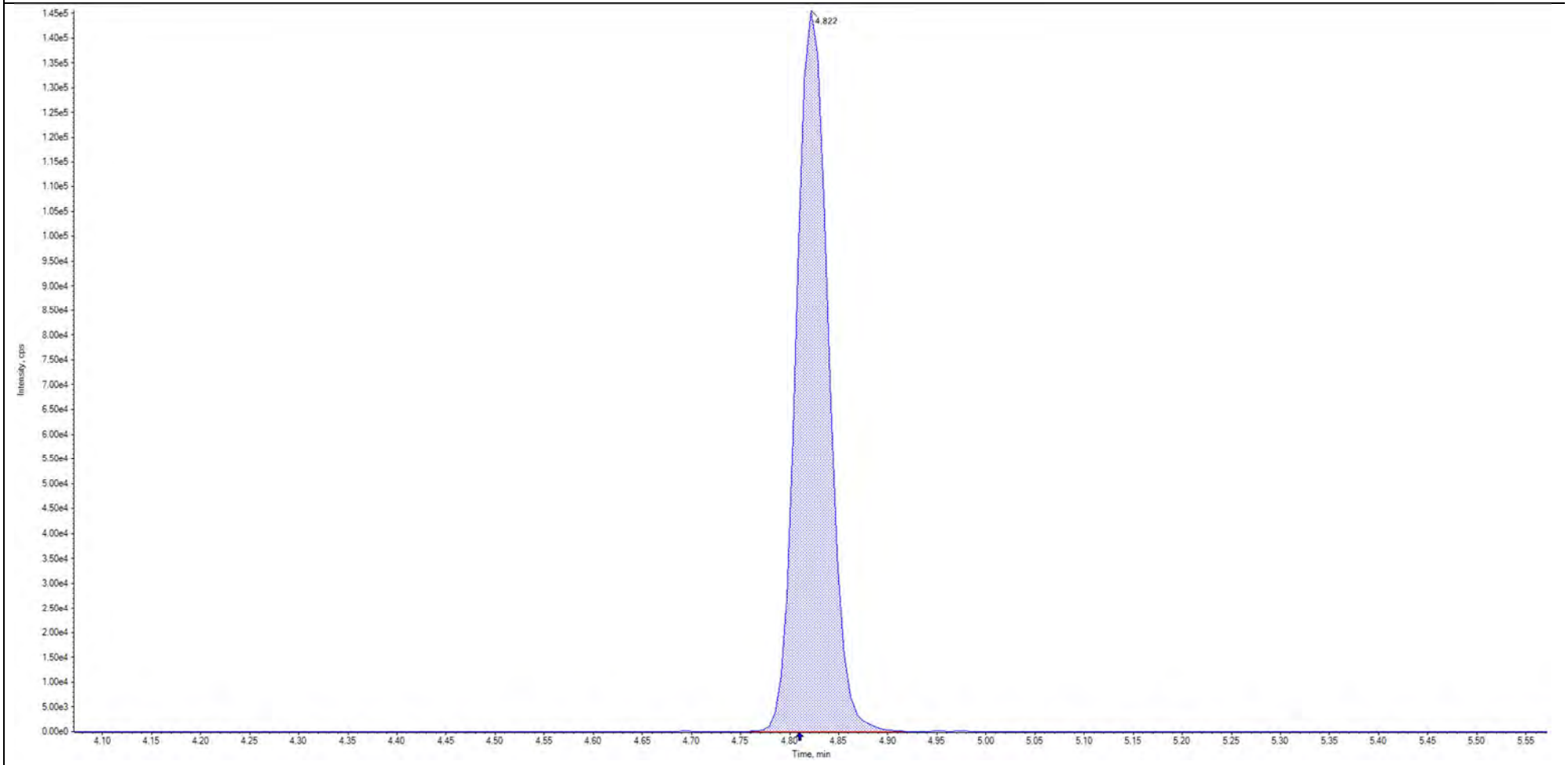
13C6-PFDA
Sample: CA1633STD-10



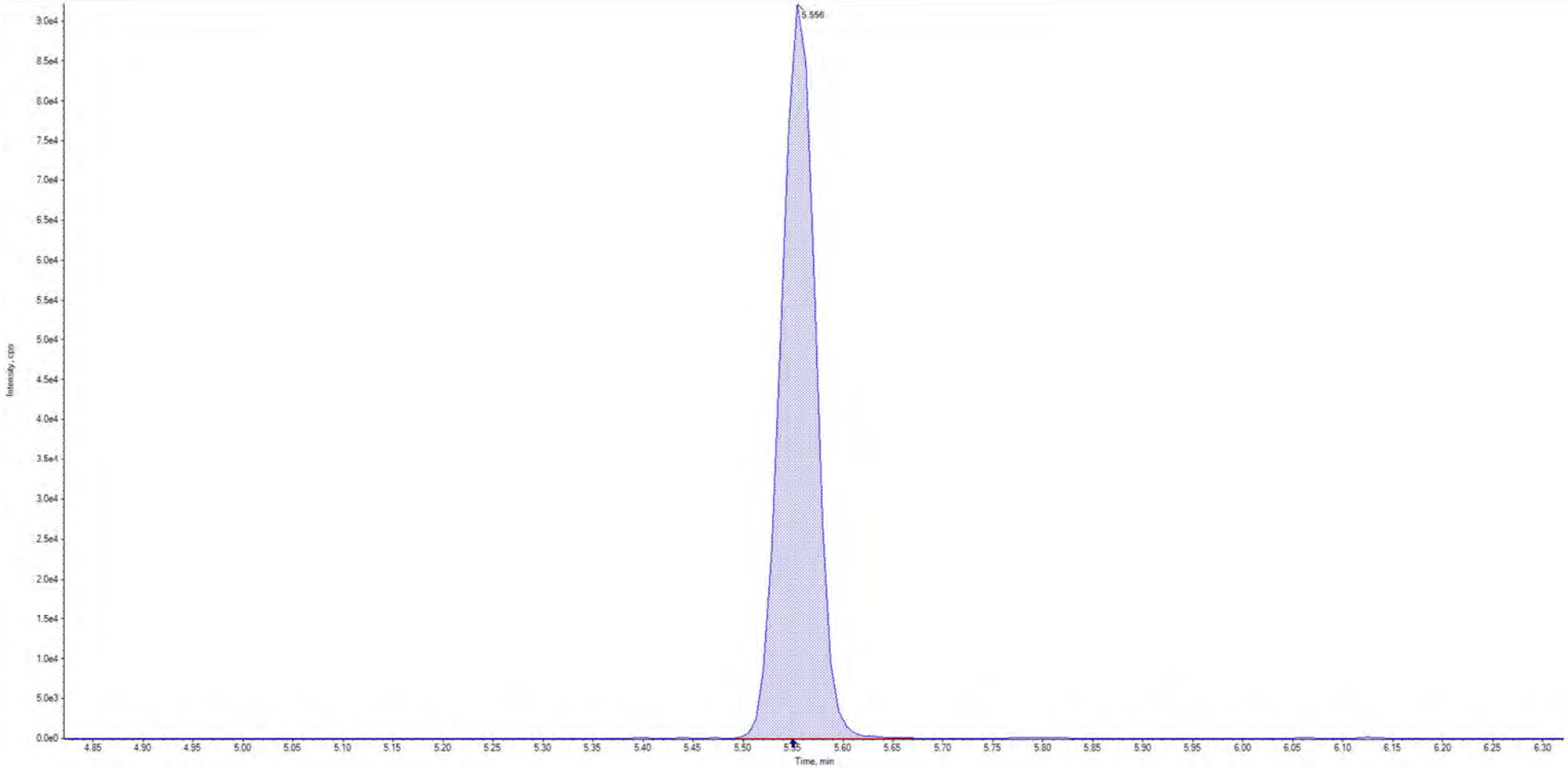
13C7-PFUnA
Sample: CA1633STD-10



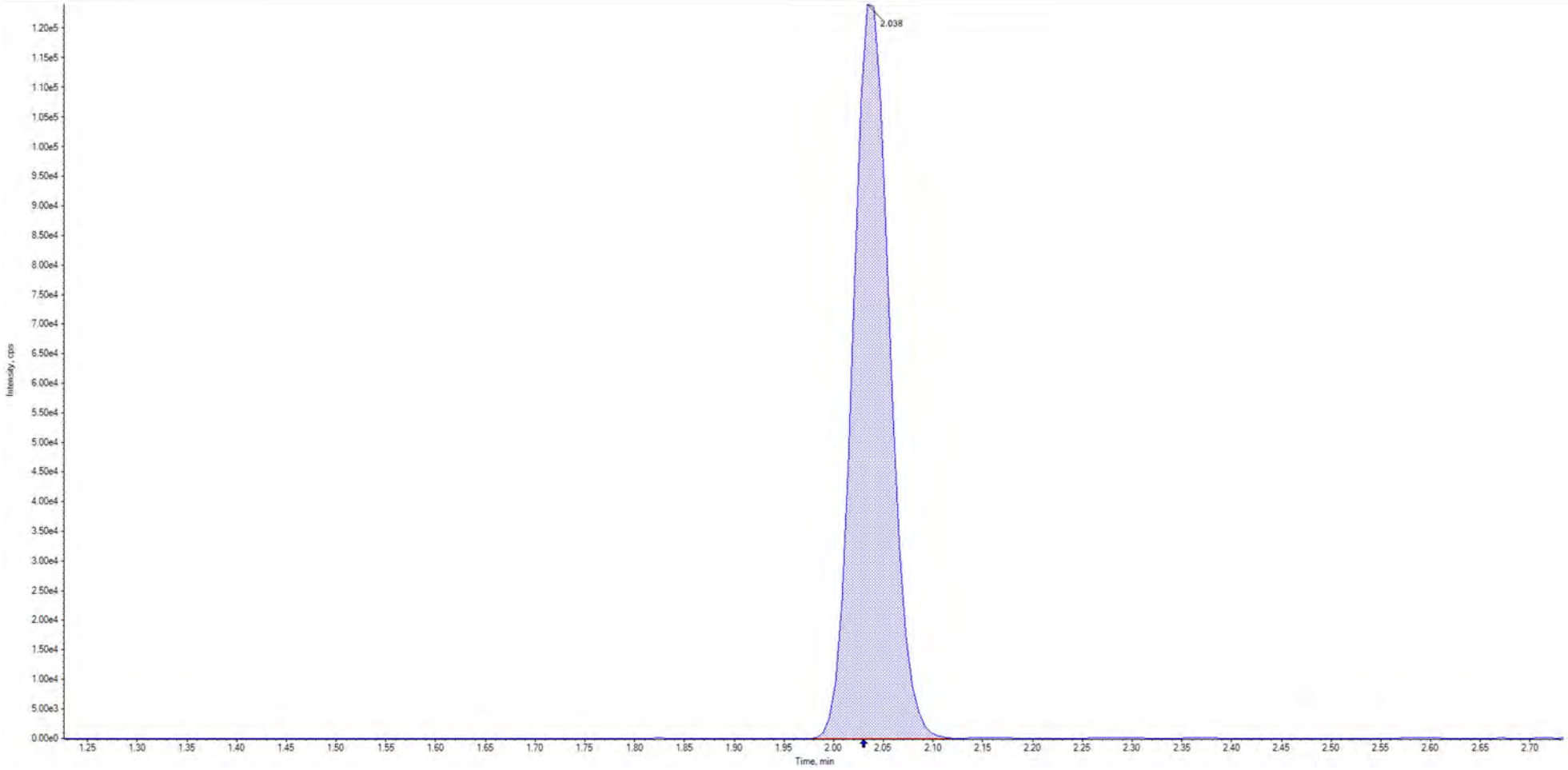
13C2-PFDoA
Sample: CA1633STD-10



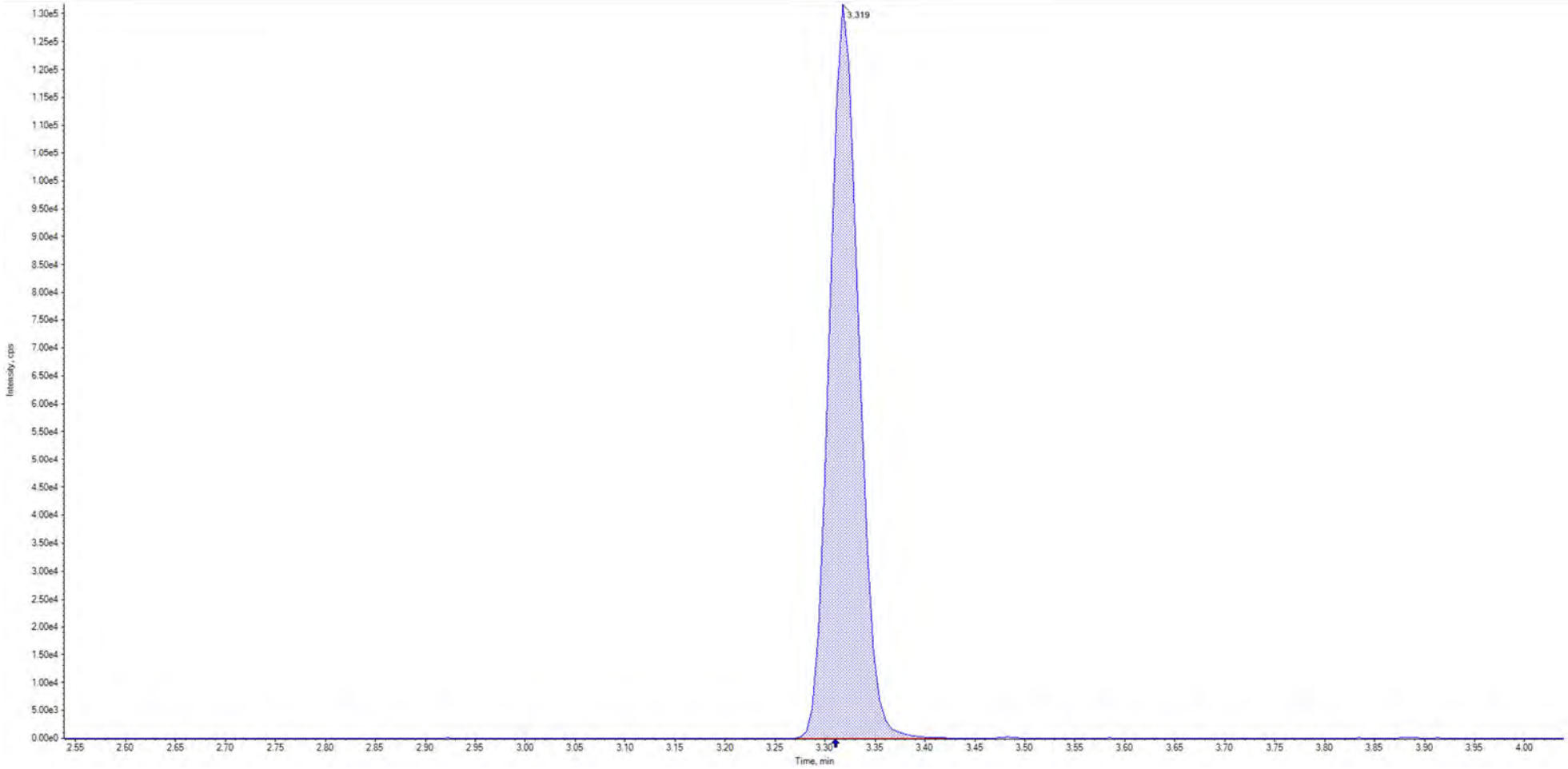
13C2-PFTeDA
Sample: CA1633STD-10



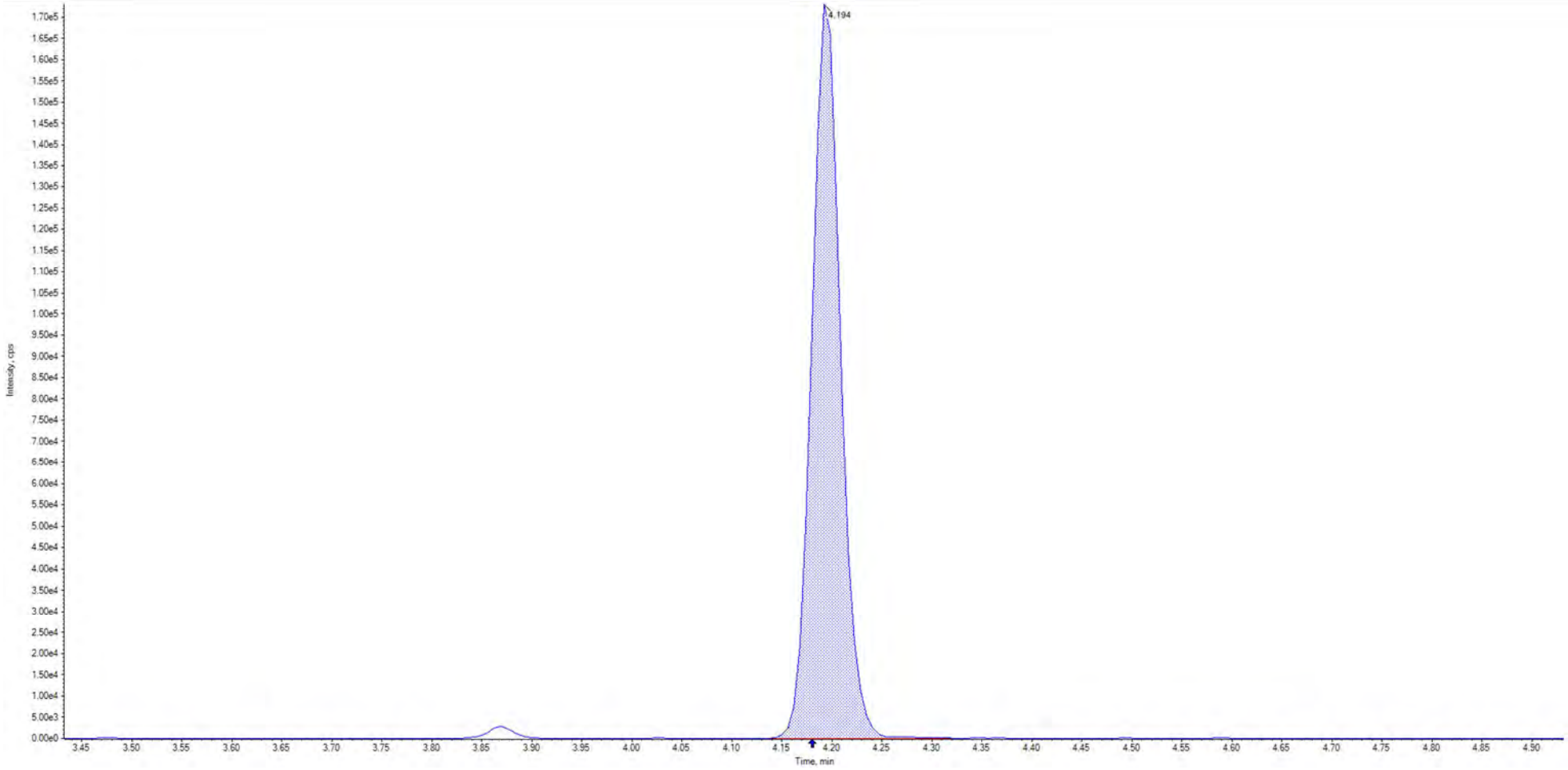
13C3-PFBS
Sample: CA1633STD-10



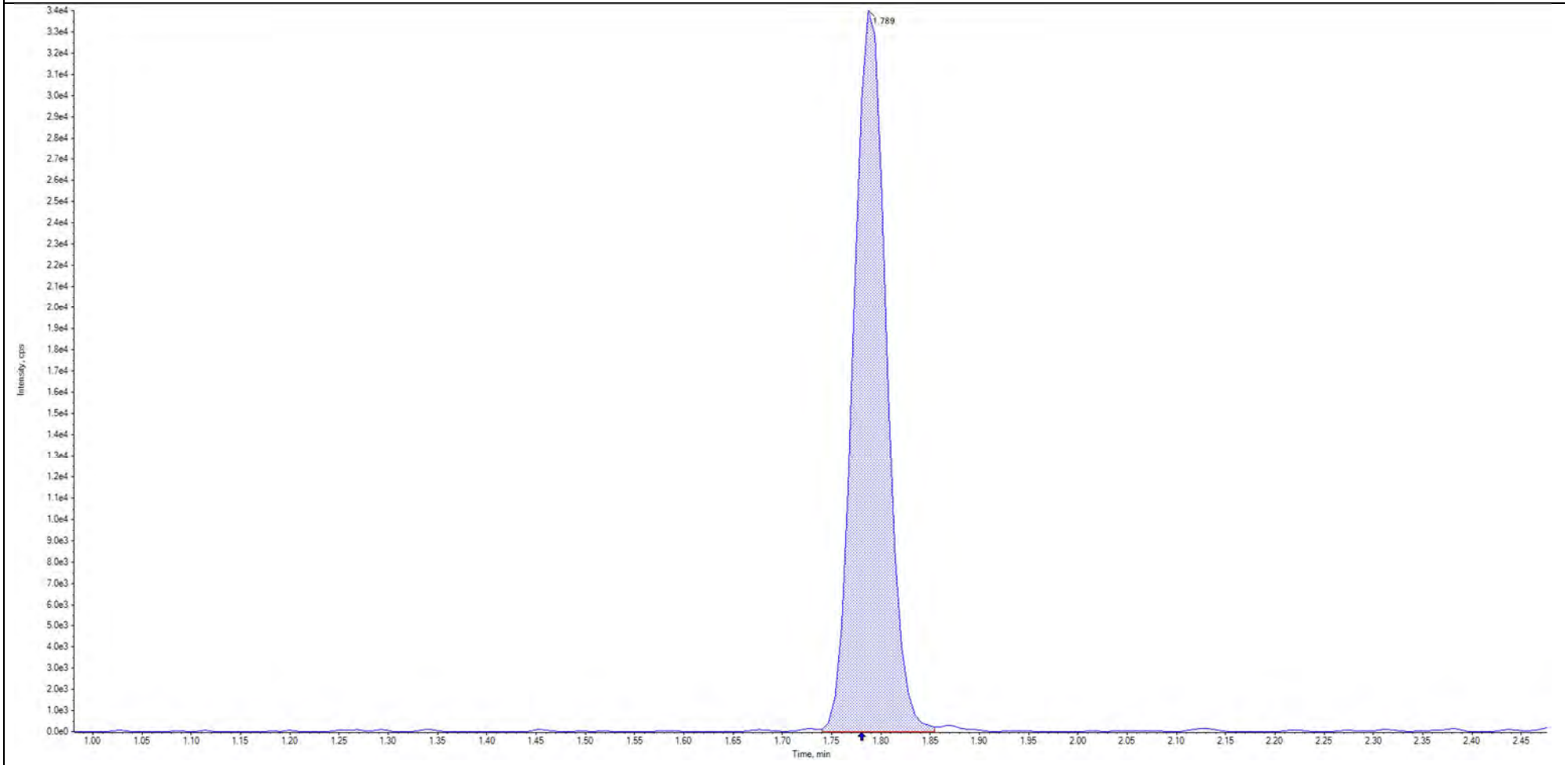
13C3-PFHxS
Sample: CA1633STD-10



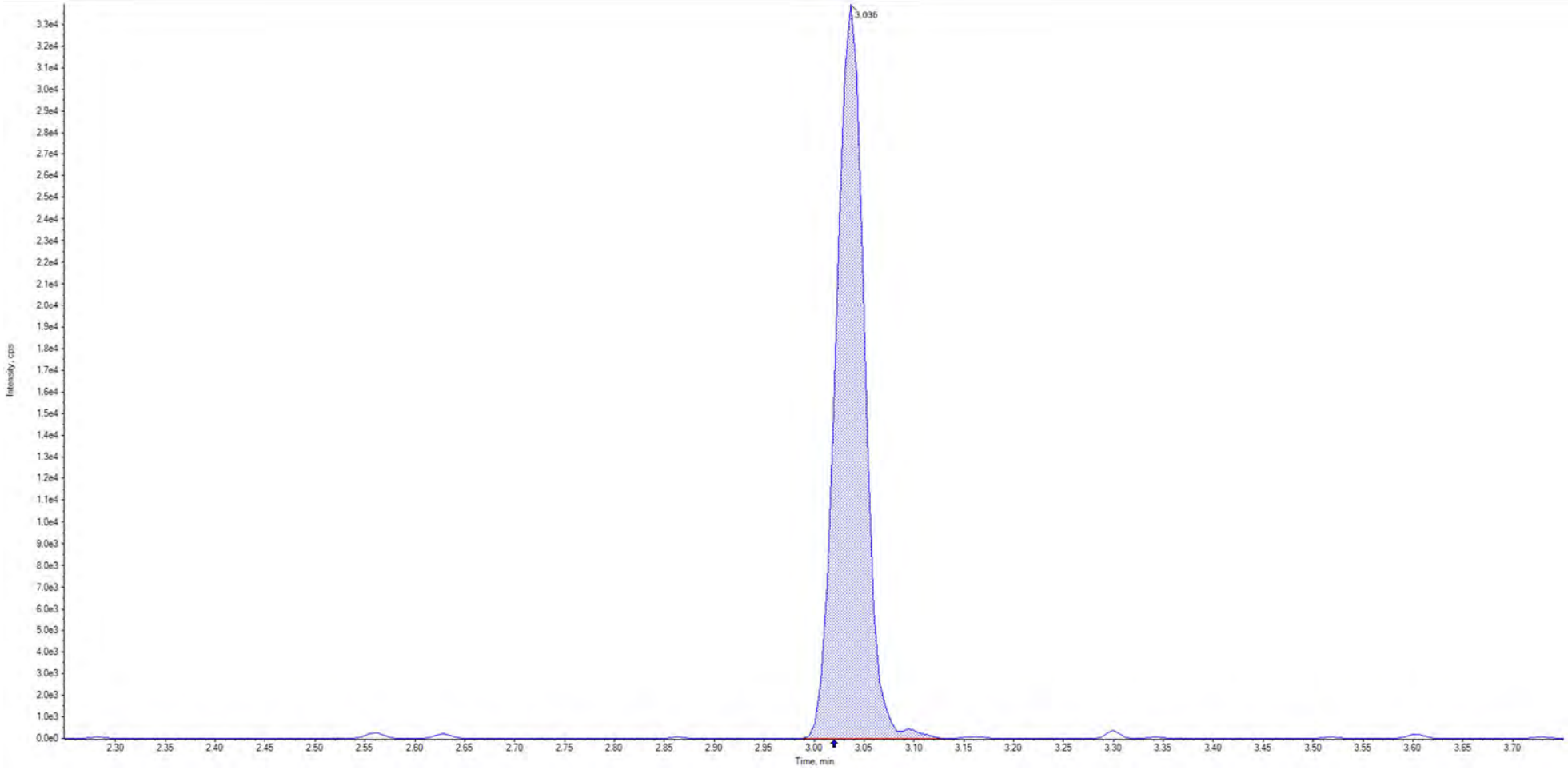
13C8-PFOS
Sample: CA1633STD-10



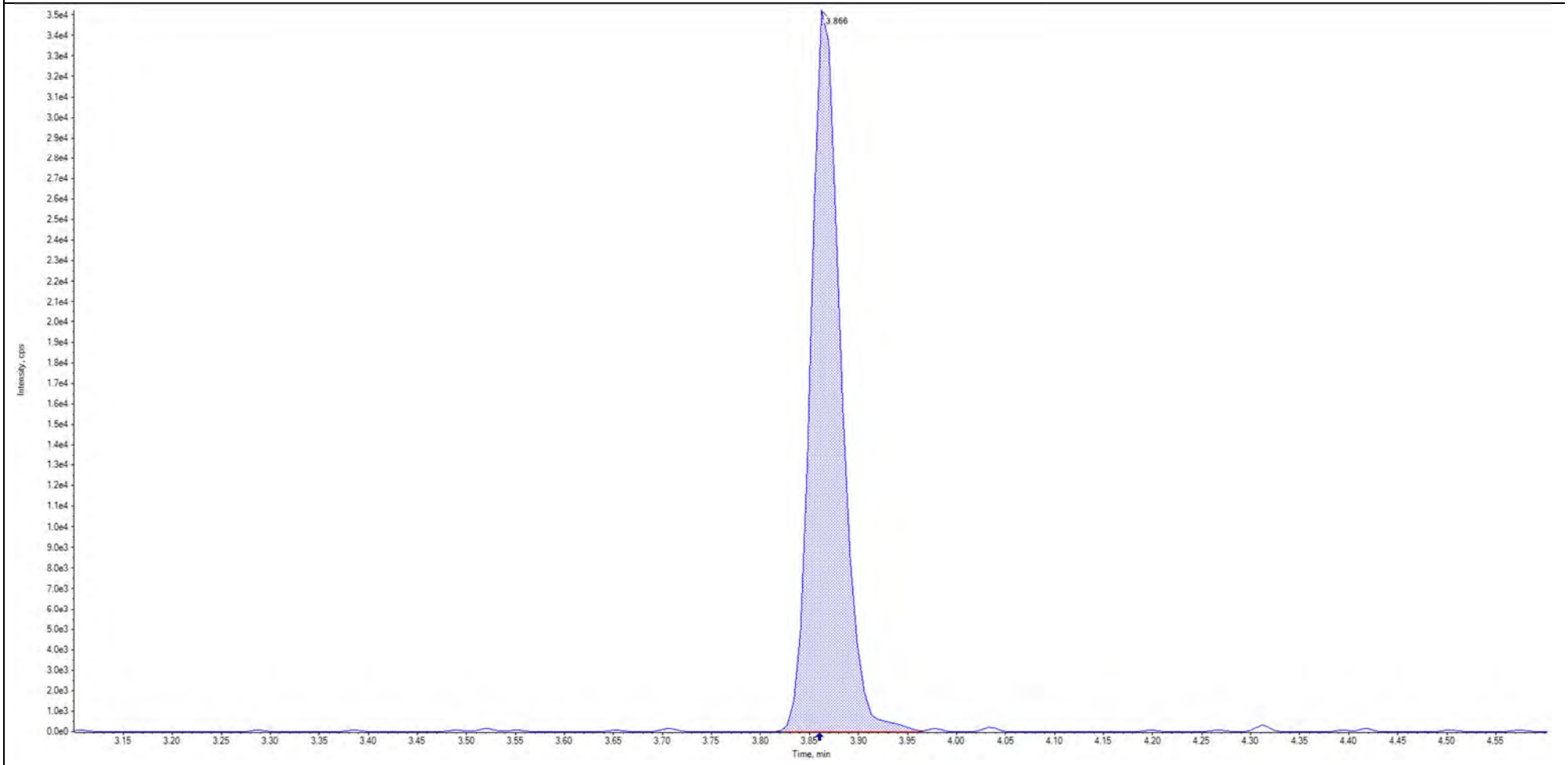
13C2-4:2FTS
Sample: CA1633STD-10



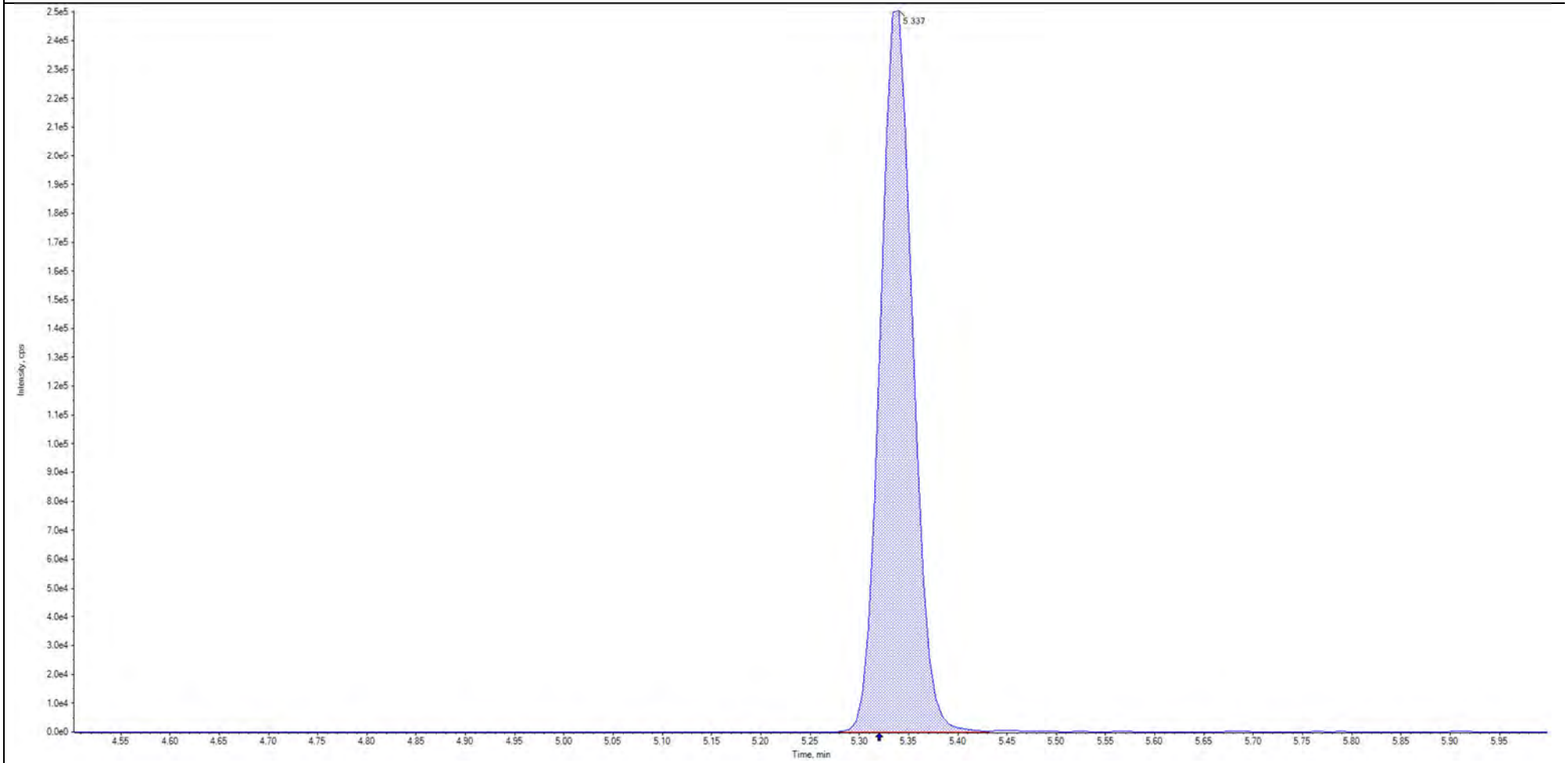
13C2-6:2FTS
Sample: CA1633STD-10



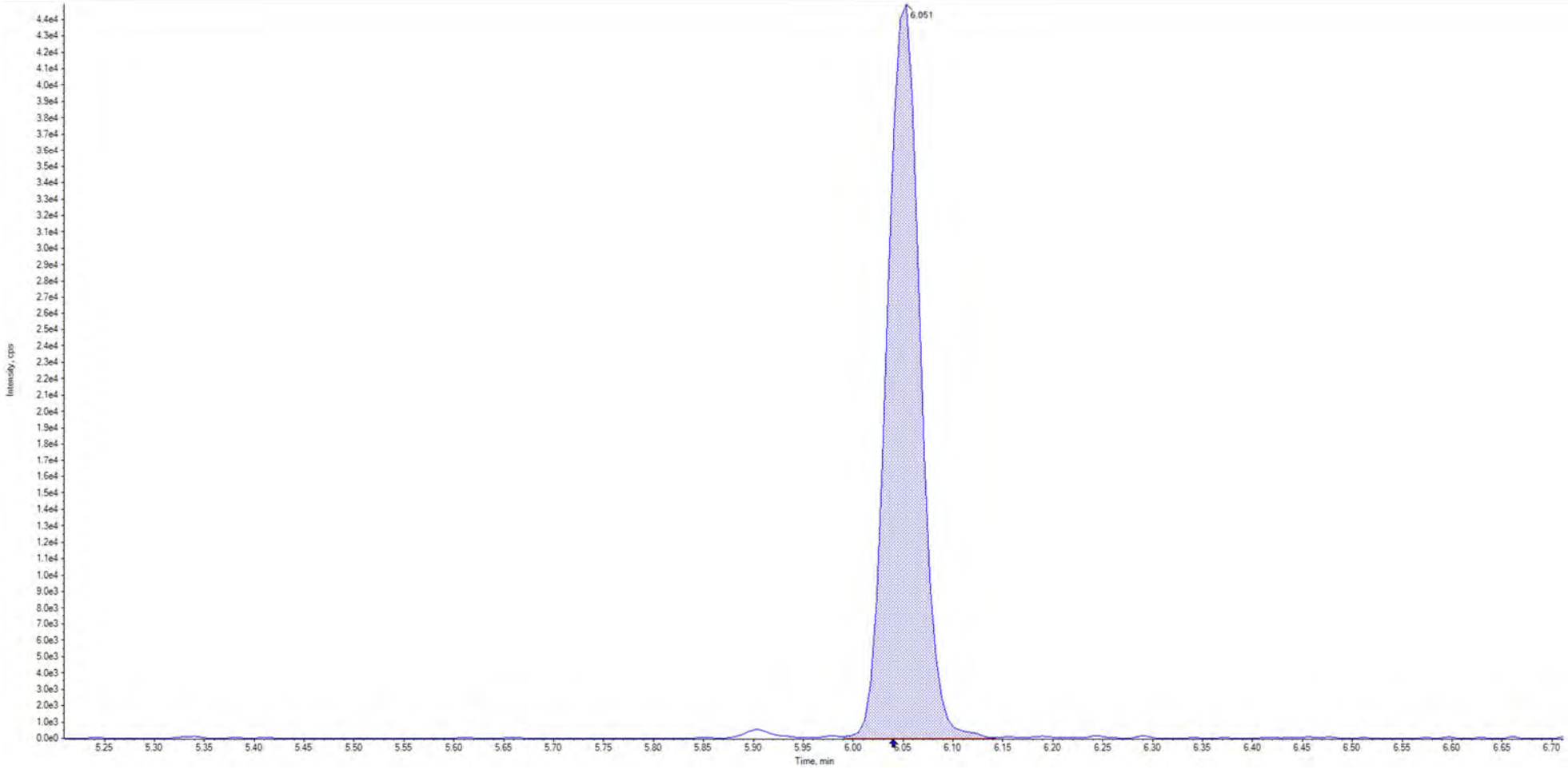
13C2-8:2FTS
Sample: CA1633STD-10



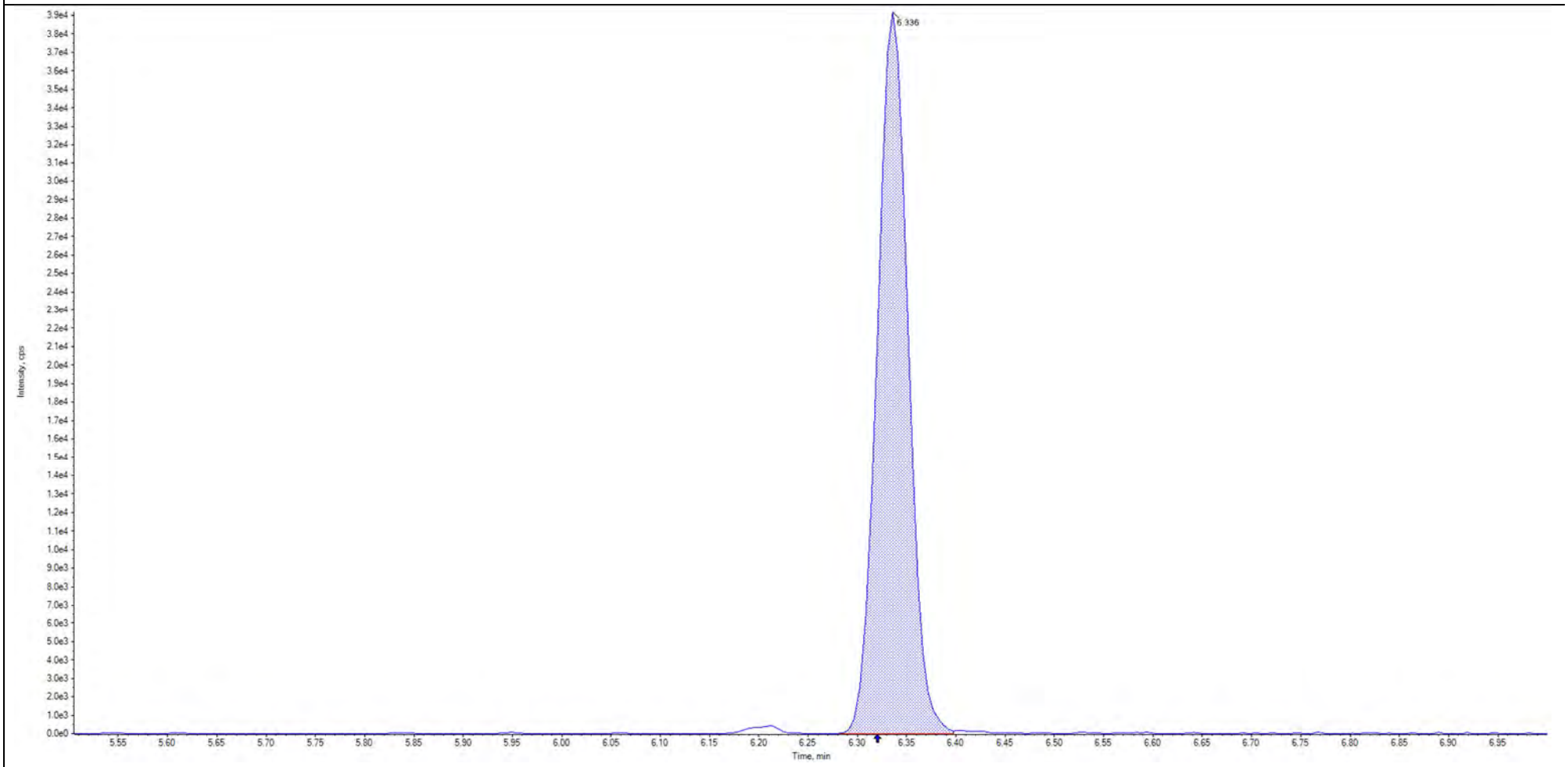
13C8-PFOSA
Sample: CA1633STD-10



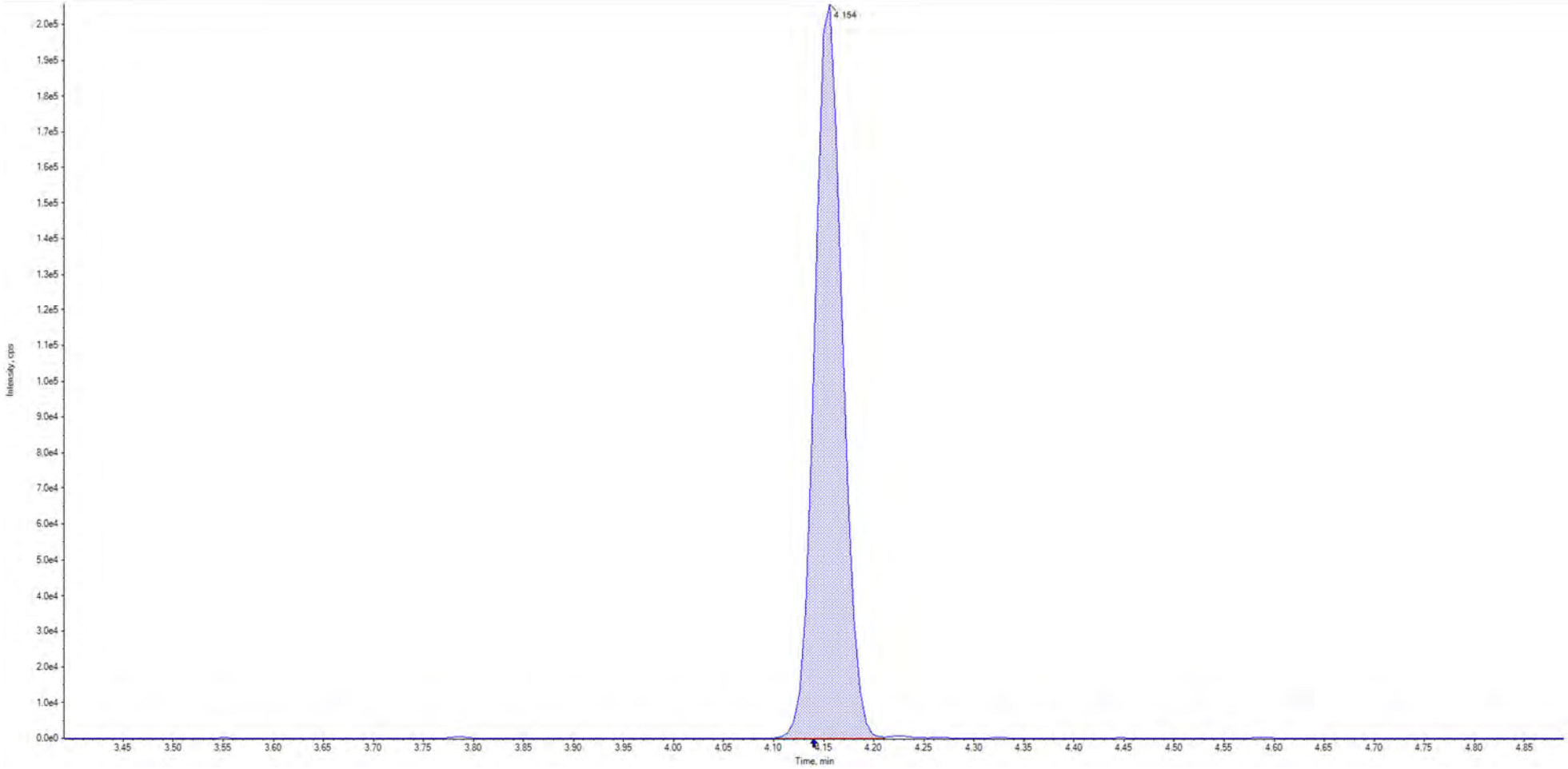
d3-NMeFOSA
Sample: CA1633STD-10



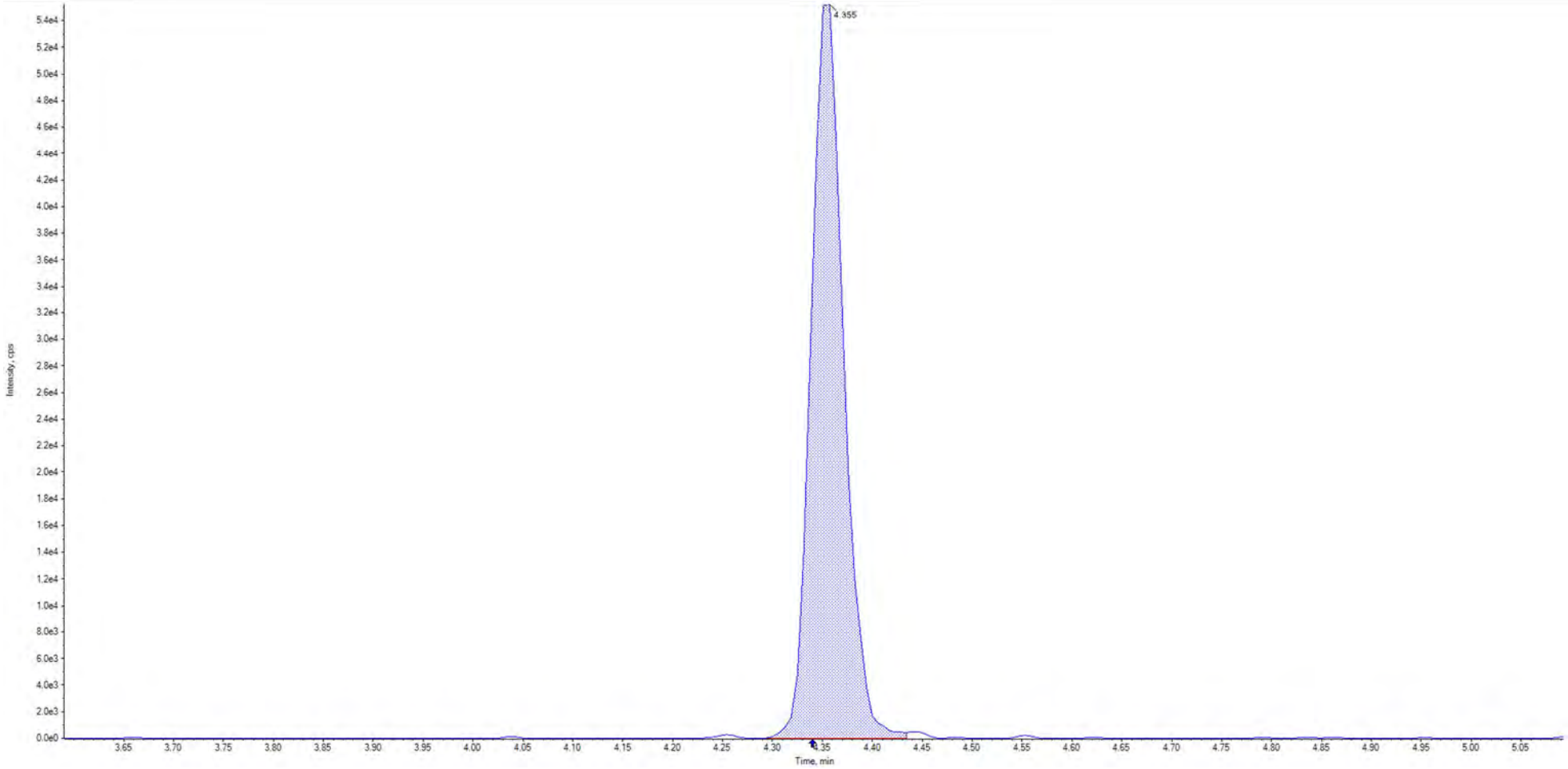
d5-NEtFOSA
Sample: CA1633STD-10



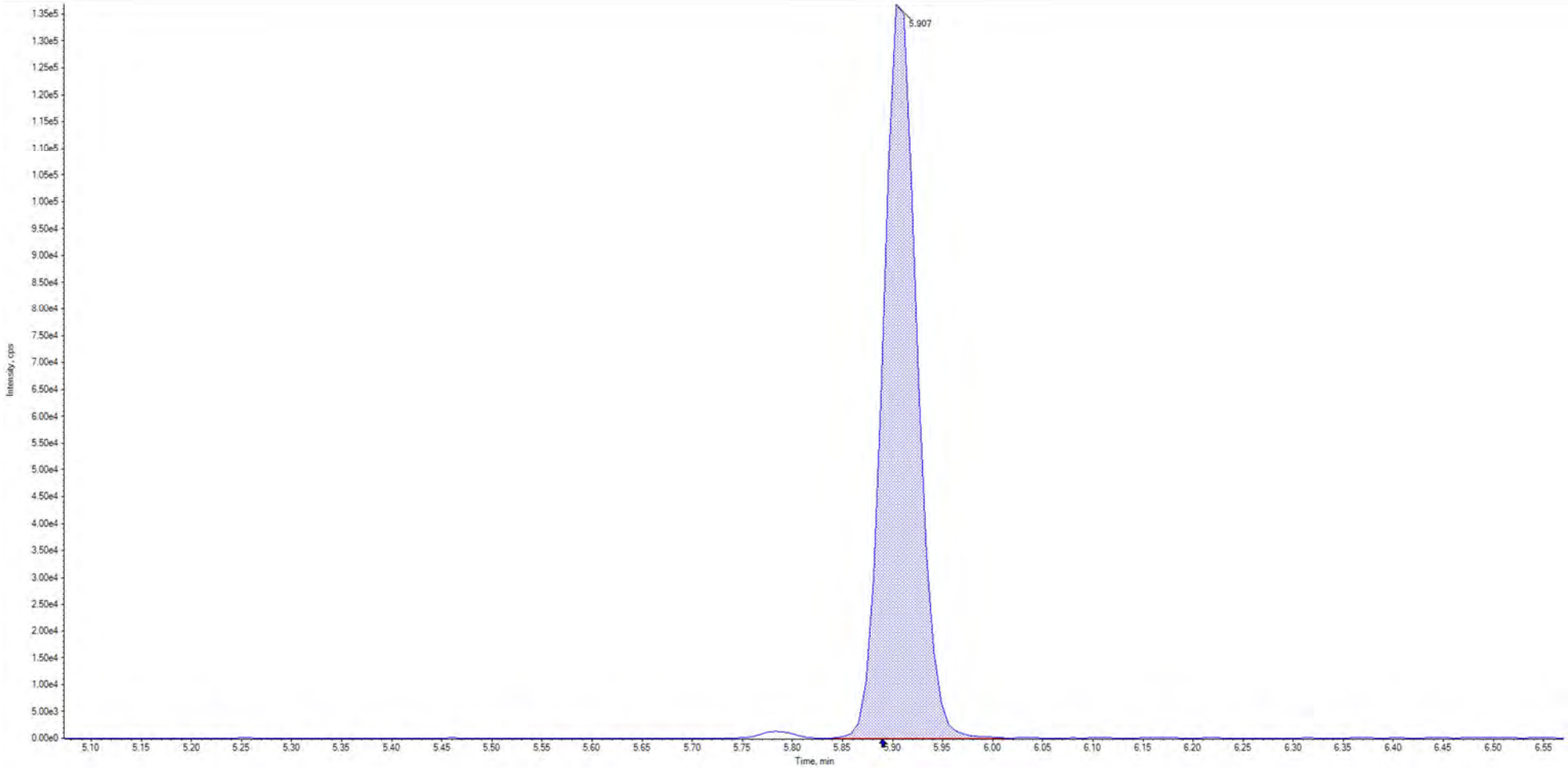
d3-NMeFOSAA
Sample: CA1633STD-10



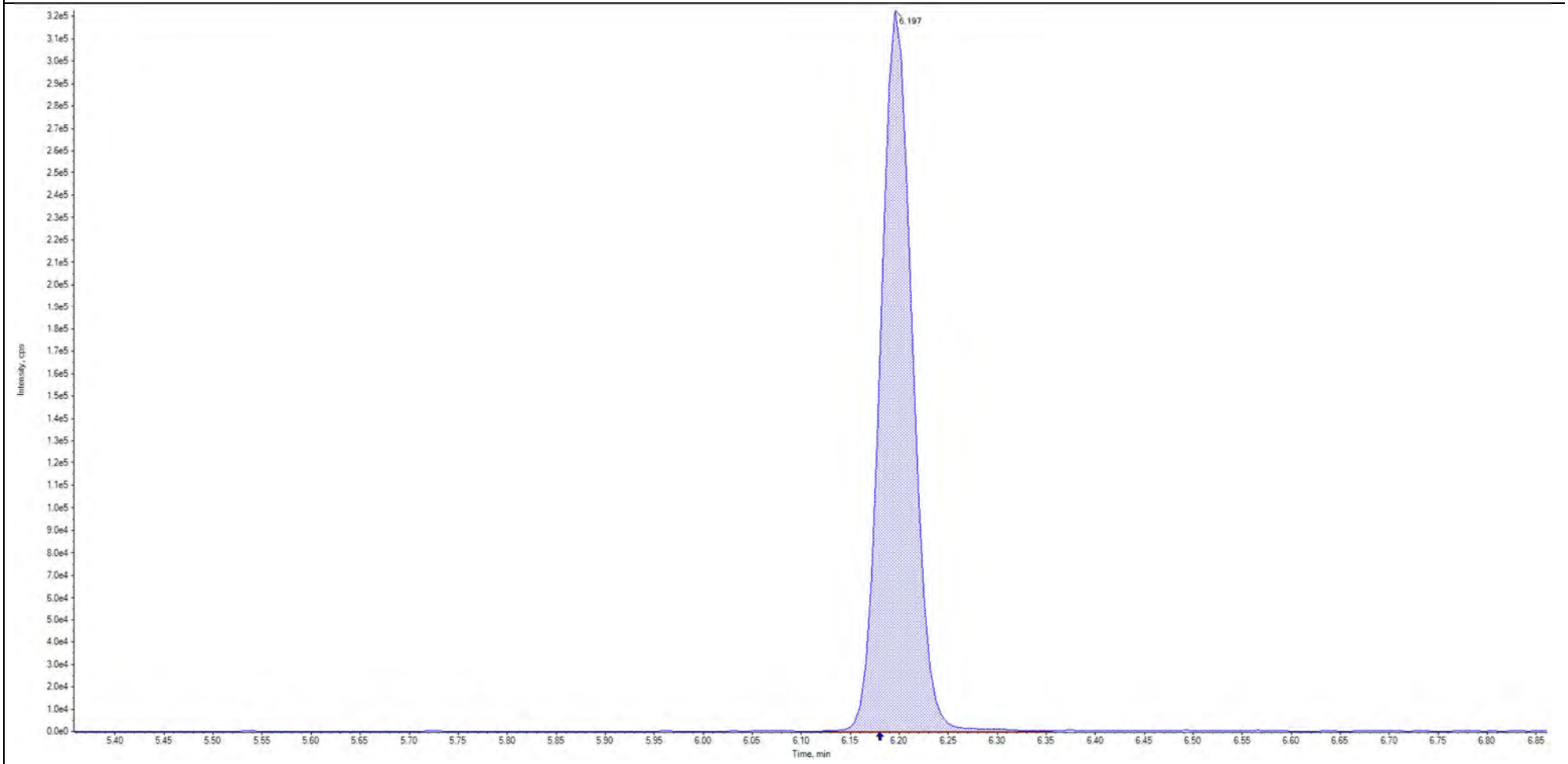
d5-NEtFOSAA
Sample: CA1633STD-10



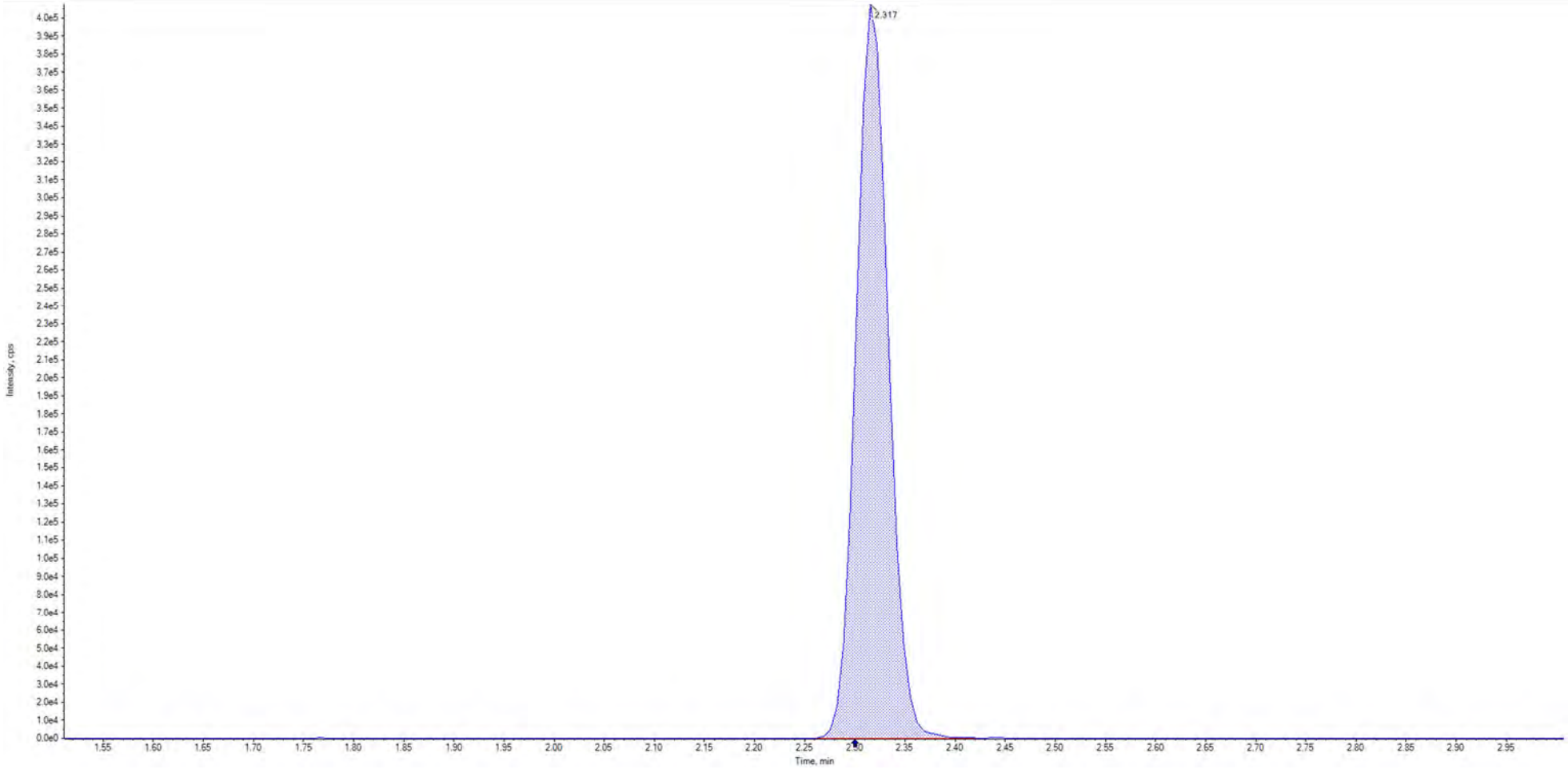
d7-NMeFOSE
Sample: CA1633STD-10



d9-NEtFOSE
Sample: CA1633STD-10

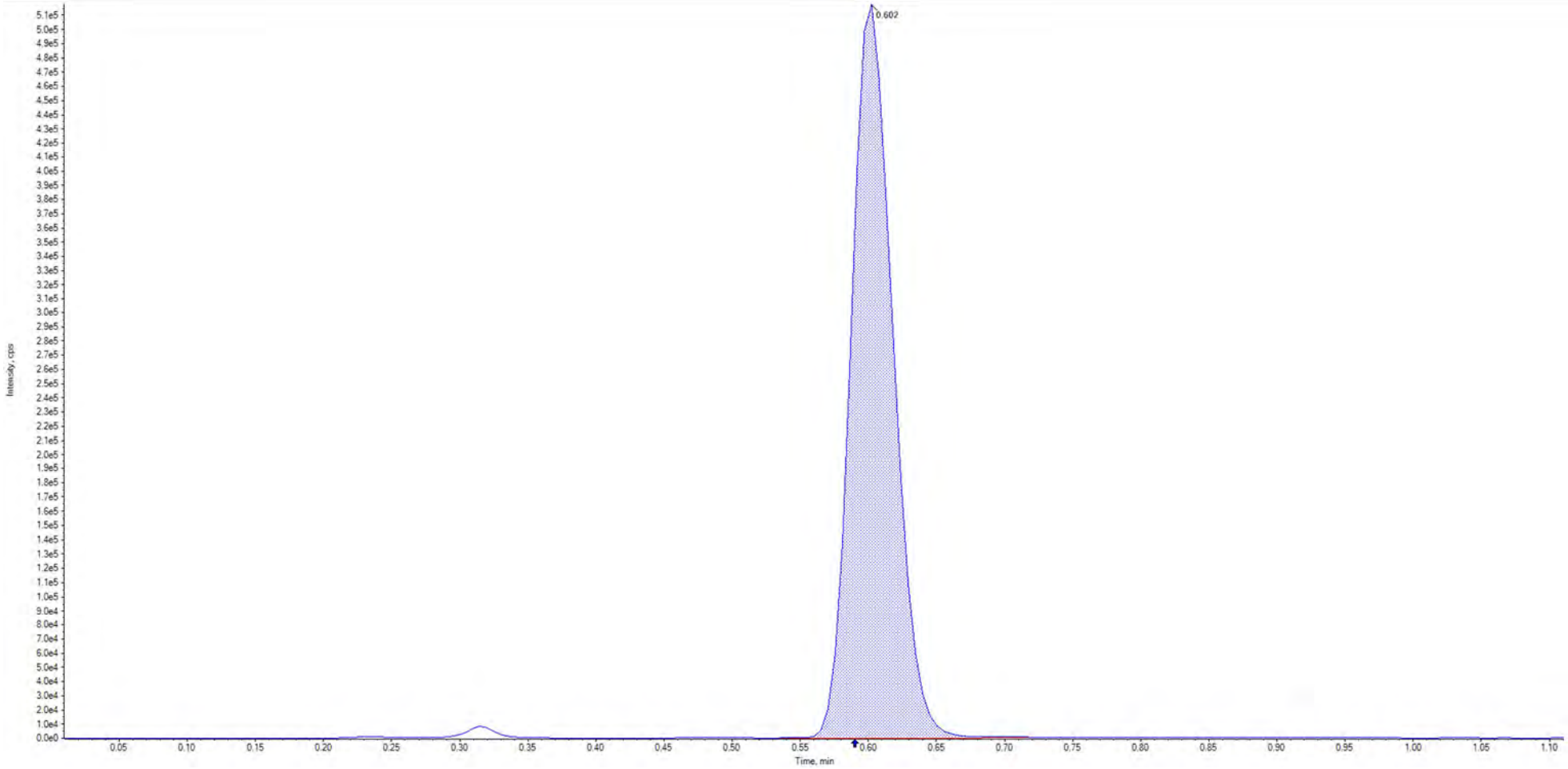


13C3-HFPO-DA
Sample: CA1633STD-10

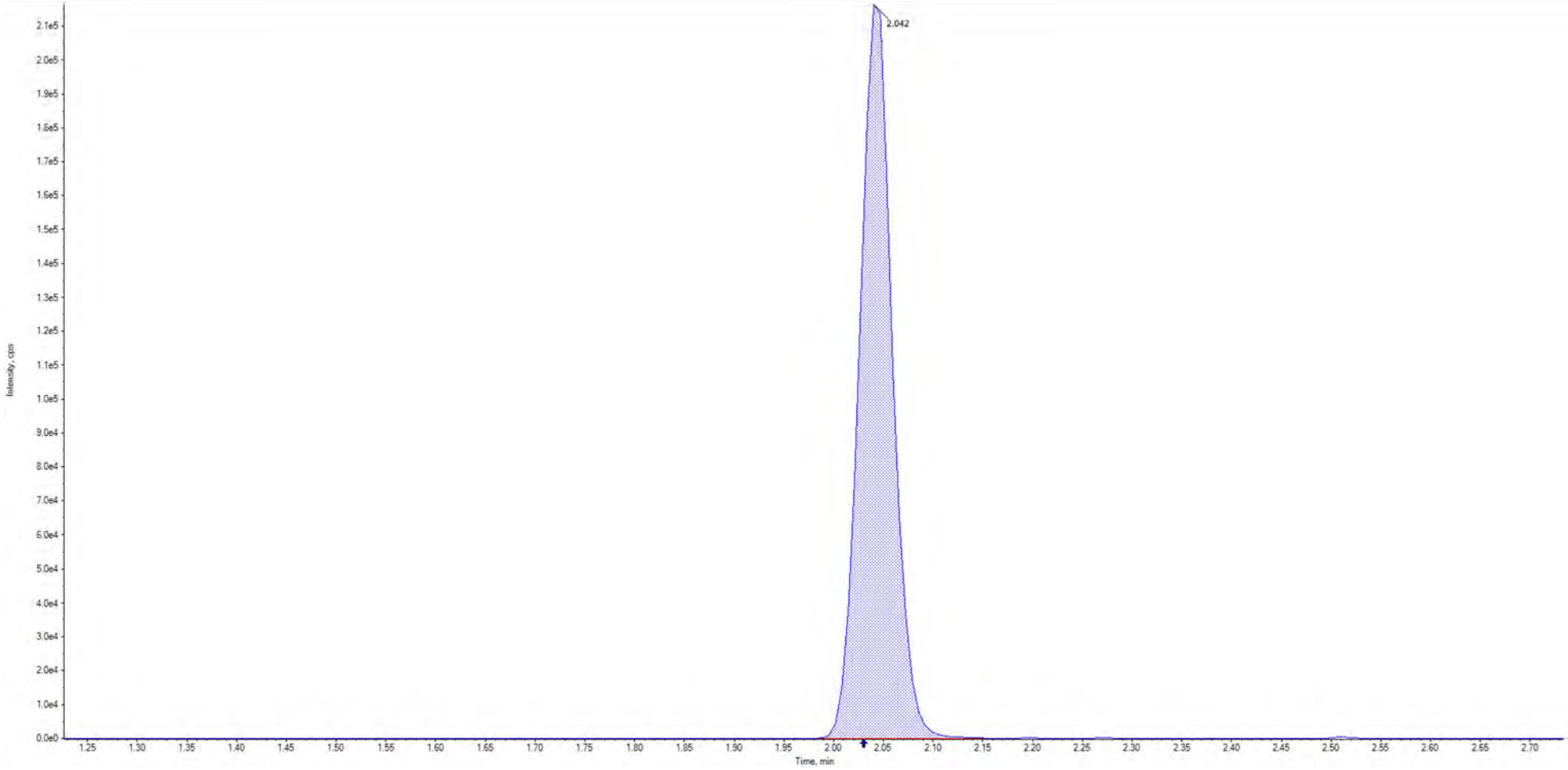


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

13C3-PFBA
Sample: CA1633STD-10

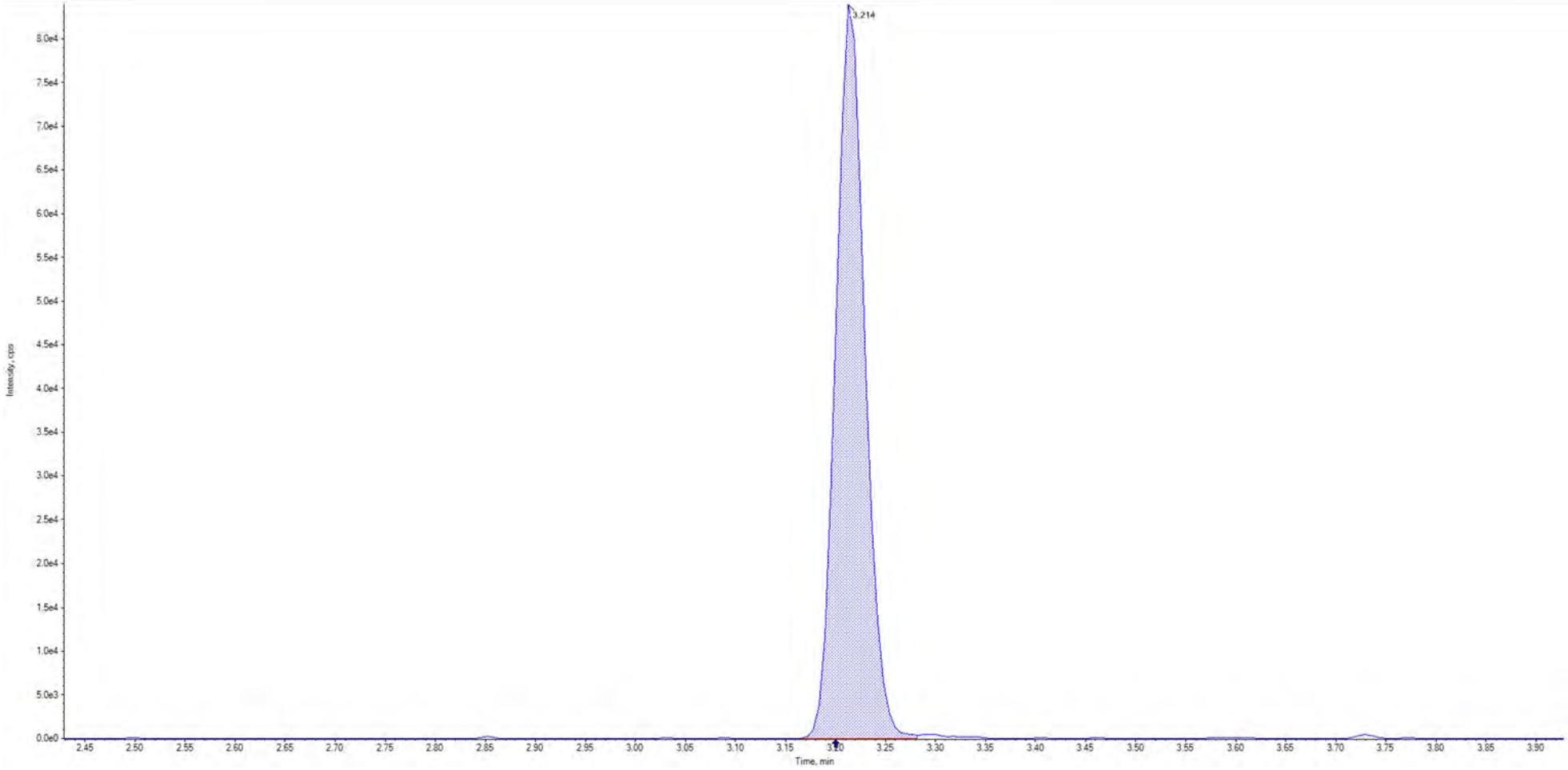


13C2-PFHxA
Sample: CA1633STD-10



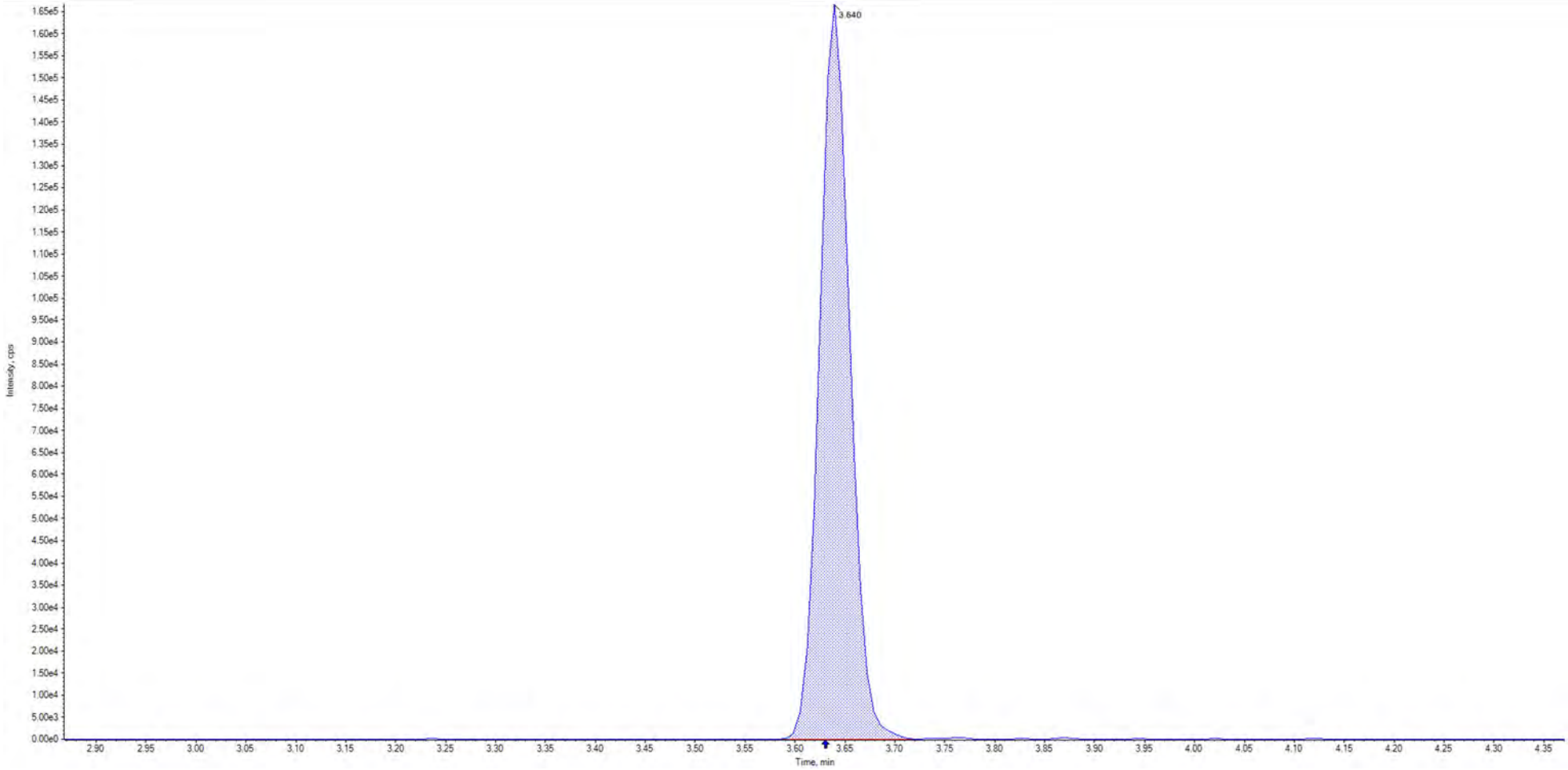
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

13C4-PFOA
Sample: CA1633STD-10

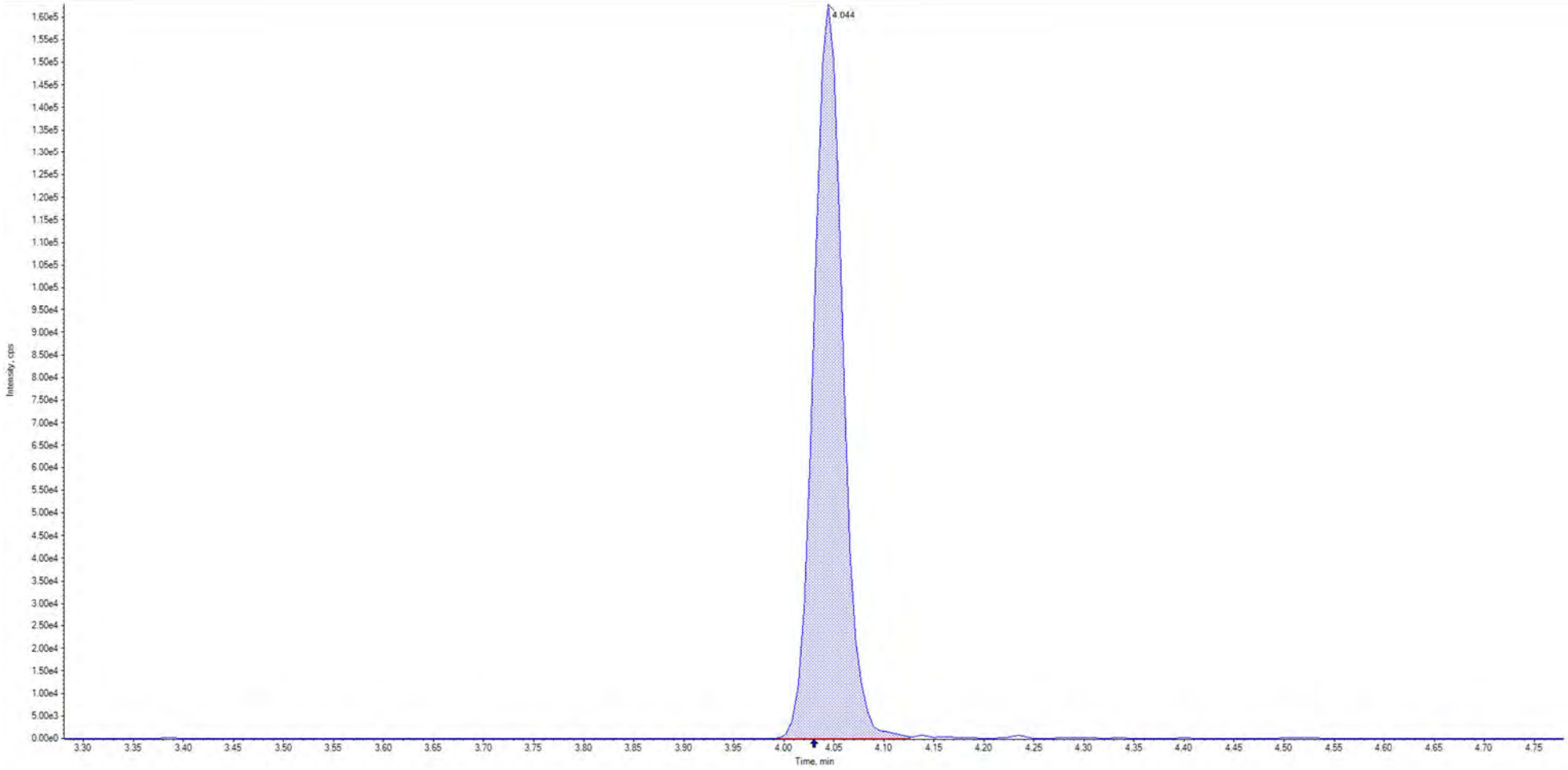


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

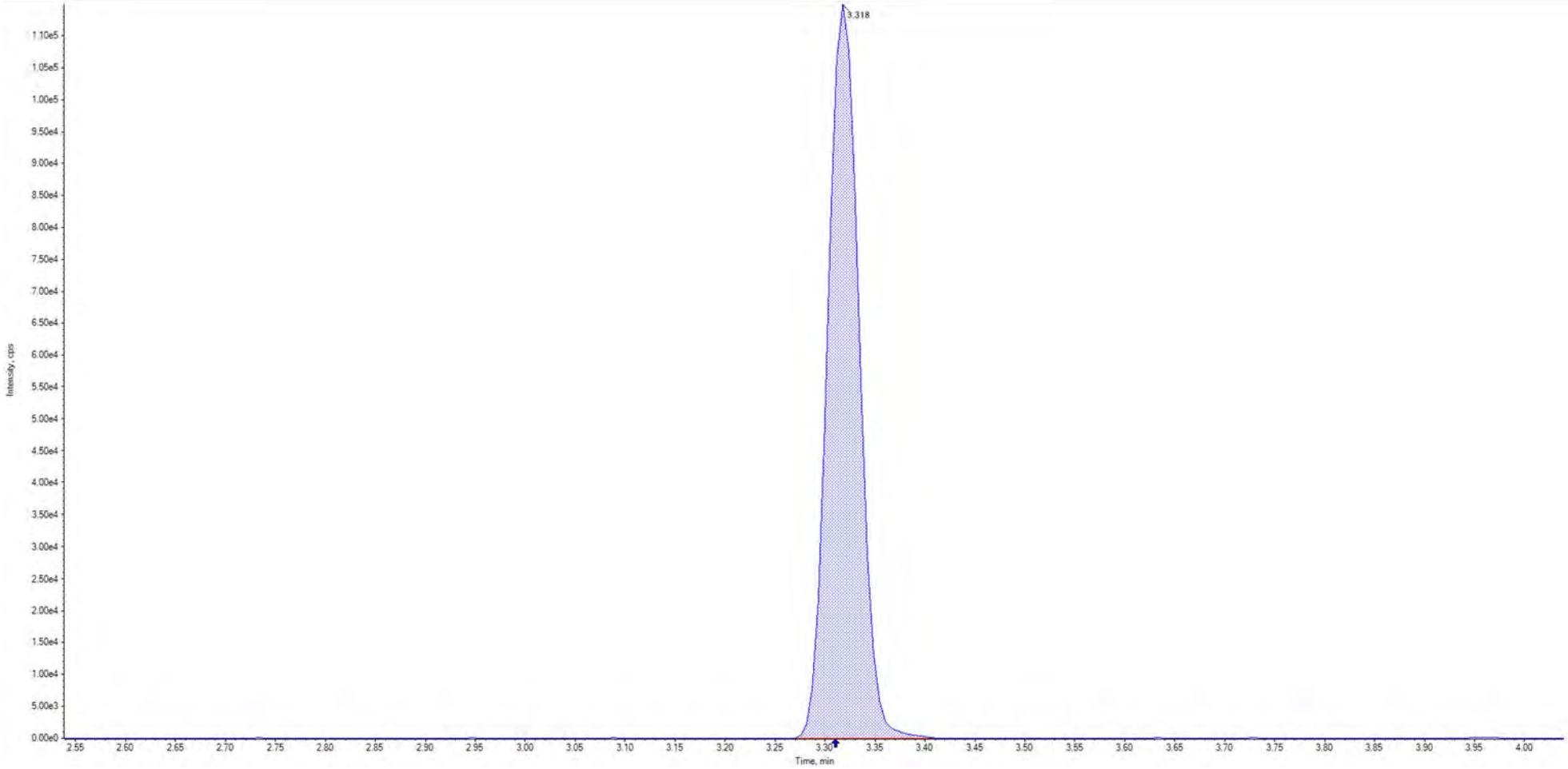
13C5-PFNA
Sample: CA1633STD-10



13C2-PFDA
Sample: CA1633STD-10

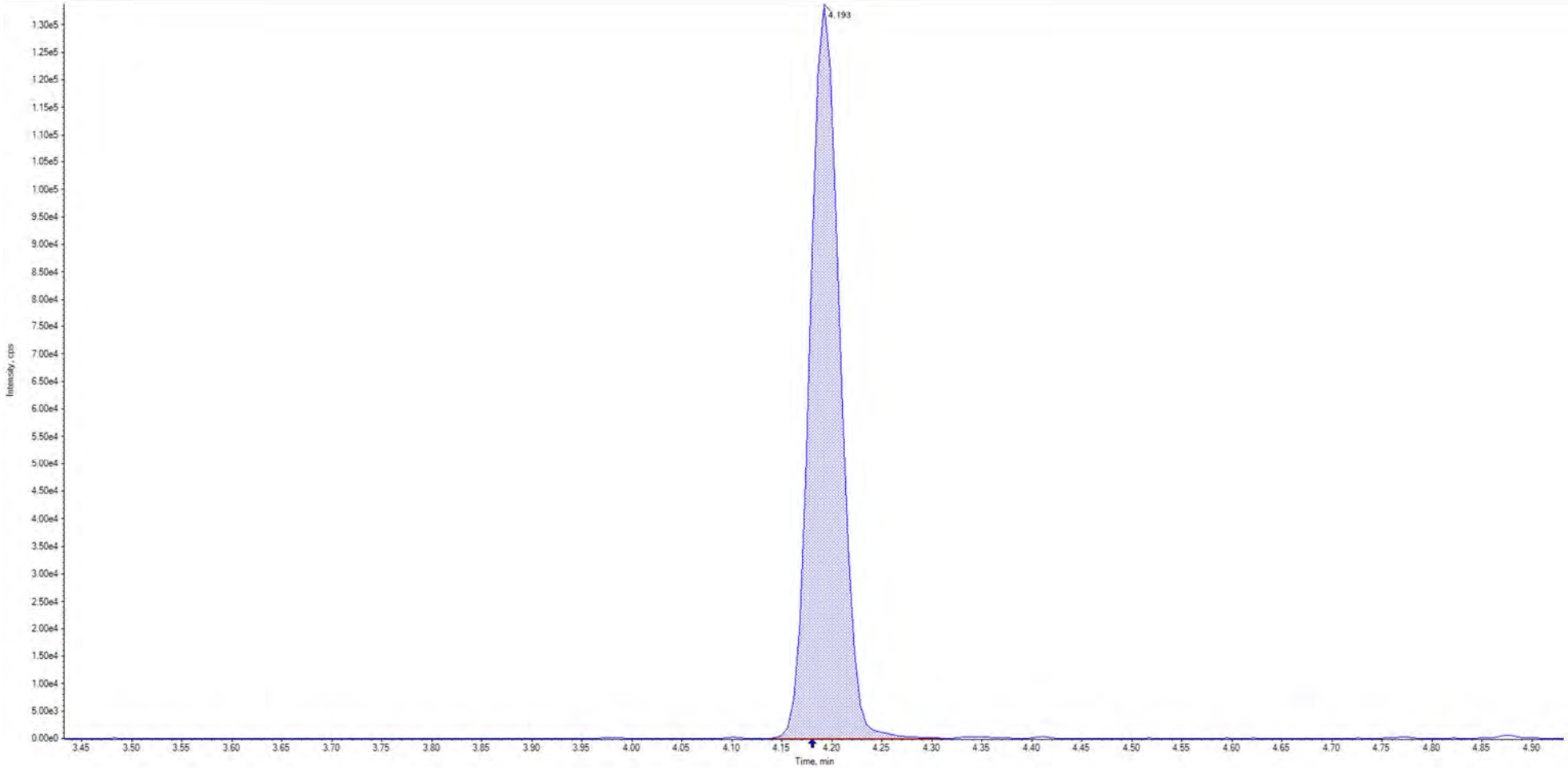


18O2-PFHxS
Sample: CA1633STD-10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

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\250228\SCI07_250228_37.wiff2_3
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

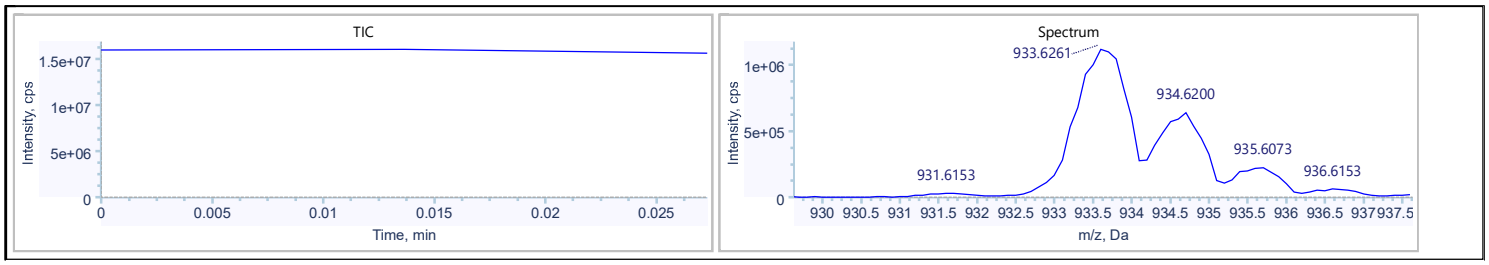
# Instrument Verification Report

1/29/2025 2:35 PM

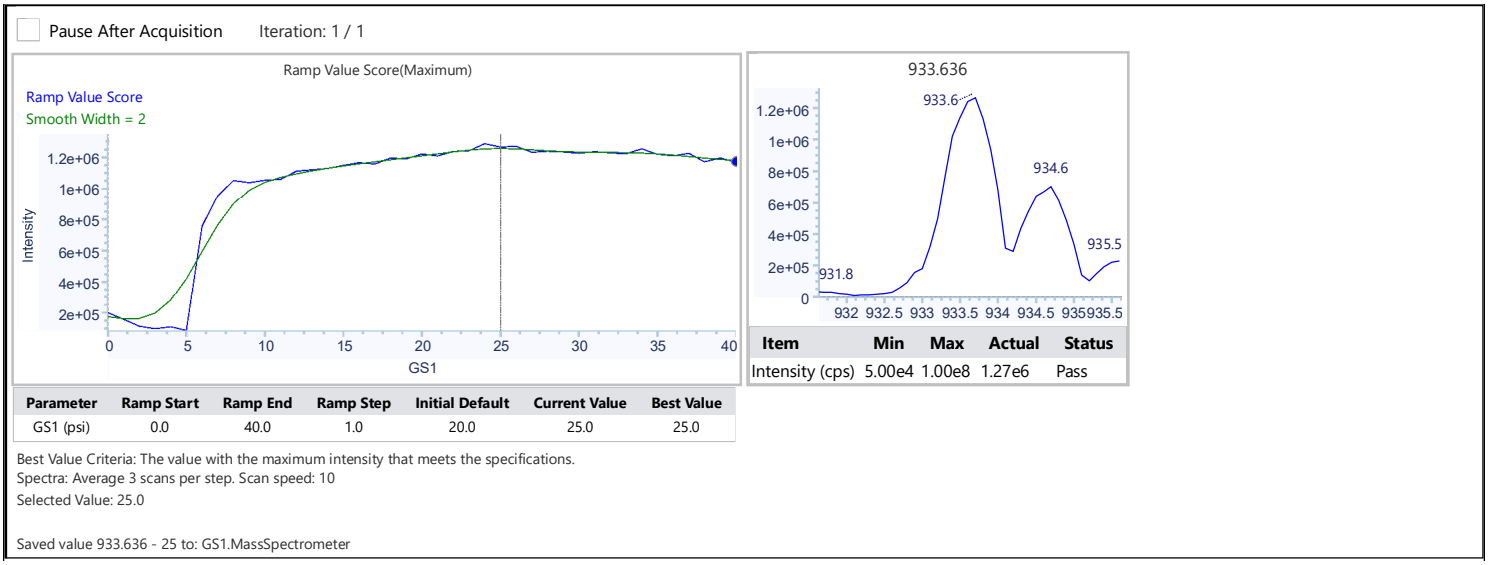
| | | | |
|---|---|---|---|
| **Instrument Name:** | SCIEX Triple Quad 5500+ | **Manufacturer:** | AB Sciex |
| **Instrument Model:** | TripleQuad5500+ | **Target Instrument:** | TripleQuad5500+ |
| **Ion Source:** | TurboIonSpray | **Optimization Set:** | 5500+ MS Scan Verification |
| **Serial Number:** | EX234802207 | **Doc Num Revision:** | TripleQuad5500+PickSetVerify Eng |
| **User Name:** | A2-LCMS07 | | |

## 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 25 |




| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Intensity (cps) | 5.00e4 | 1.00e8 | 1.27e6 | Pass |

| Parameter | Ramp Start | Ramp End | Ramp Step | Initial Default | Current Value | Best Value |
|---|---|---|---|---|---|---|
| GS1 (psi) | 0.0 | 40.0 | 1.0 | 20.0 | 25.0 | 25.0 |

Best Value Criteria: The value with the maximum intensity that meets the specifications.
Spectra: Average 3 scans per step. Scan speed: 10
Selected Value: 25.0

Saved value 933.636 - 25 to: GS1.MassSpectrometer

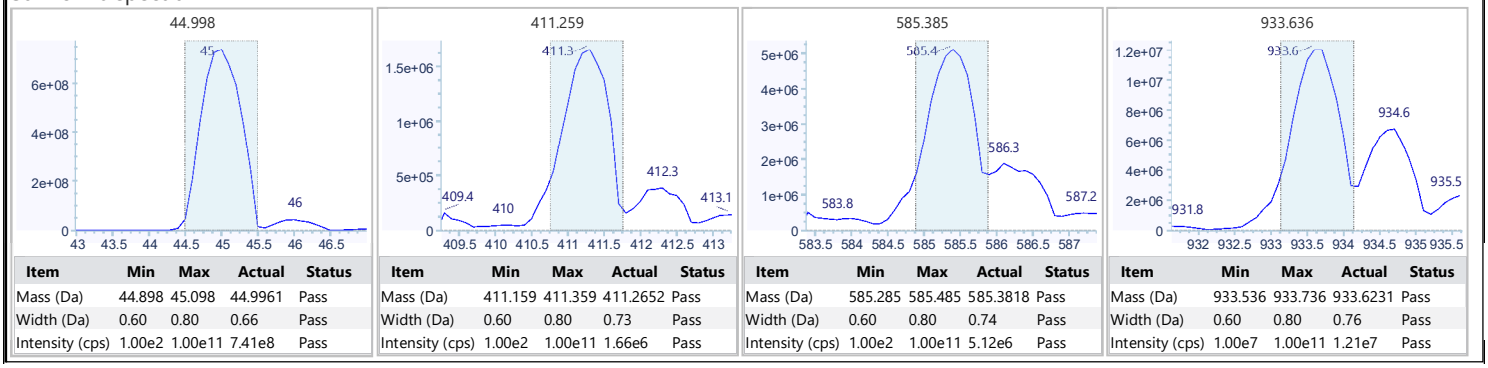
## 2. Negative Q1 Unit Resolution

| Step | Result | Details |
|---|---|---|

| | | | |
|---|---|---|---|
| **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:** | EX234802207 | **Doc Num Revision:** | TripleQuad5500+PickSetVerify Eng |
| **User Name:** | A2-LCMS07 | | |

Verify Q1 Negative 10 Da/sec **Pass** Data file:D:\SCIEX OS Data\Optimization\Optimization-2025-01-29-14-34-47

Sum of 10 spectra




| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 44.898 | 45.098 | 44.9961 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.66 | Pass |
| Intensity (cps) | 1.00e2 | 1.00e11 | 7.41e8 | Pass |

| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 411.159 | 411.359 | 411.2652 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.73 | Pass |
| Intensity (cps) | 1.00e2 | 1.00e11 | 1.66e6 | Pass |

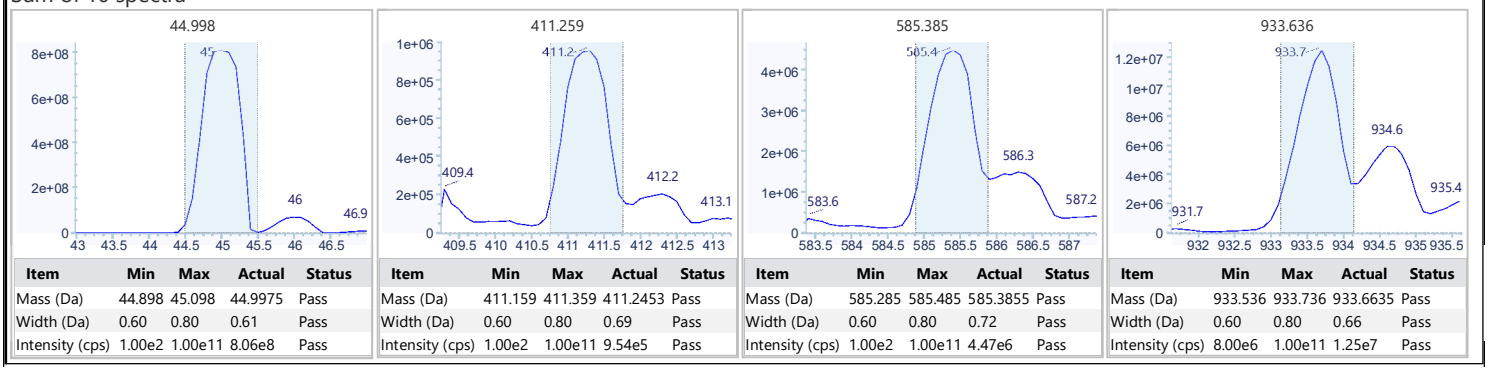
| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 585.285 | 585.485 | 585.3818 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.74 | Pass |
| Intensity (cps) | 1.00e2 | 1.00e11 | 5.12e6 | Pass |

| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 933.536 | 933.736 | 933.6231 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.76 | Pass |
| Intensity (cps) | 1.00e7 | 1.00e11 | 1.21e7 | Pass |

## 3. Negative Q3 Unit Resolution

| Step | Result | Details |
|---|---|---|
| Verify Q3 Negative 10 Da/sec | **Pass** | Data file:D:\SCIEX OS Data\Optimization\Optimization-2025-01-29-14-34-47 |

Sum of 10 spectra




| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 44.898 | 45.098 | 44.9975 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.61 | Pass |
| Intensity (cps) | 1.00e2 | 1.00e11 | 8.06e8 | Pass |

| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 411.159 | 411.359 | 411.2453 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.69 | Pass |
| Intensity (cps) | 1.00e2 | 1.00e11 | 9.54e5 | Pass |

| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 585.285 | 585.485 | 585.3855 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.72 | Pass |
| Intensity (cps) | 1.00e2 | 1.00e11 | 4.47e6 | Pass |

| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 933.536 | 933.736 | 933.6635 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.66 | Pass |
| Intensity (cps) | 8.00e6 | 1.00e11 | 1.25e7 | Pass |

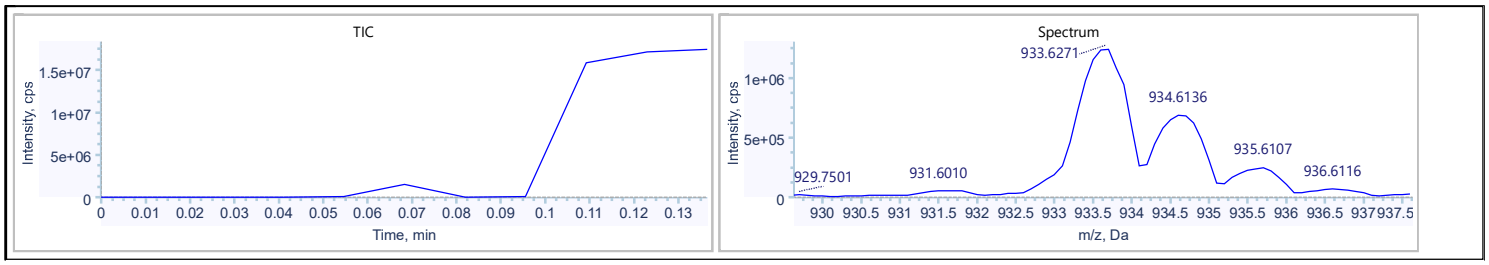
# Instrument Verification Report

1/29/2025 5:05 PM

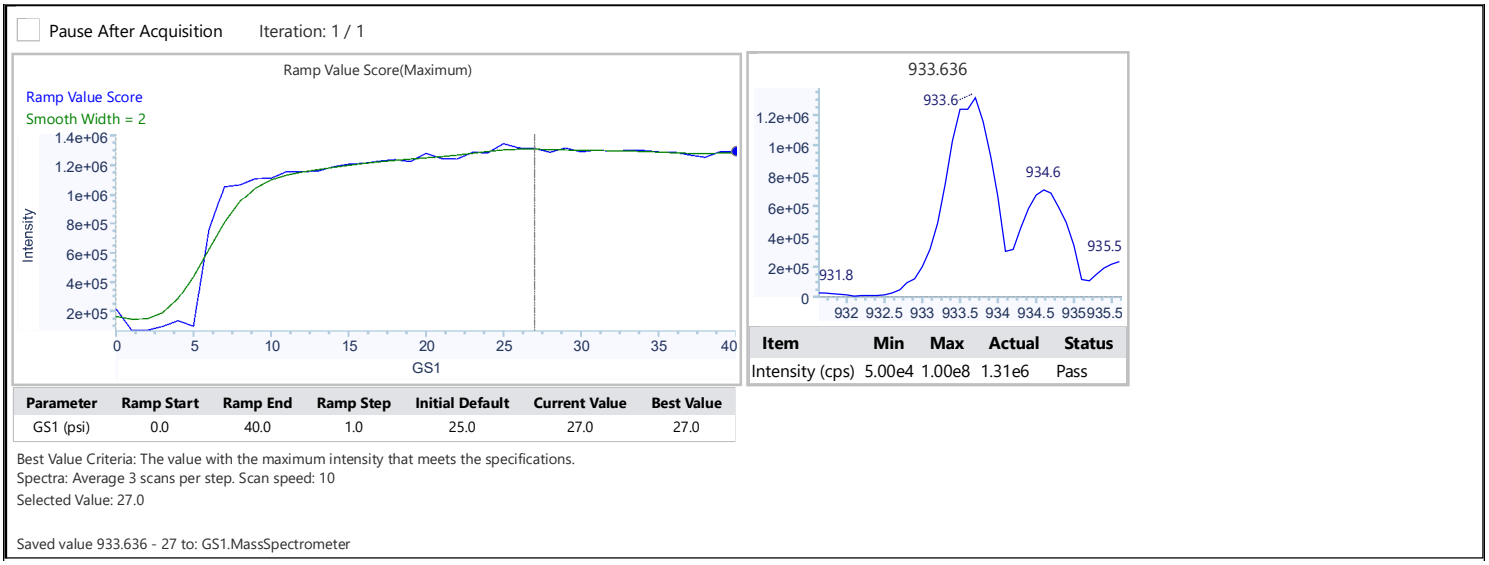
| | | | |
|---|---|---|---|
| **Instrument Name:** | SCIEX Triple Quad 5500+ | **Manufacturer:** | AB Sciex |
| **Instrument Model:** | TripleQuad5500+ | **Target Instrument:** | TripleQuad5500+ |
| **Ion Source:** | TurboIonSpray | **Optimization Set:** | 5500+ MS Scan Verification |
| **Serial Number:** | EX234802207 | **Doc Num Revision:** | TripleQuad5500+PickSetVerify Eng |
| **User Name:** | A2-LCMS07 | | |

## 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 27 |




| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Intensity (cps) | 5.00e4 | 1.00e8 | 1.31e6 | Pass |

| Parameter | Ramp Start | Ramp End | Ramp Step | Initial Default | Current Value | Best Value |
|---|---|---|---|---|---|---|
| GS1 (psi) | 0.0 | 40.0 | 1.0 | 25.0 | 27.0 | 27.0 |

Best Value Criteria: The value with the maximum intensity that meets the specifications.
Spectra: Average 3 scans per step. Scan speed: 10
Selected Value: 27.0

Saved value 933.636 - 27 to: GS1.MassSpectrometer

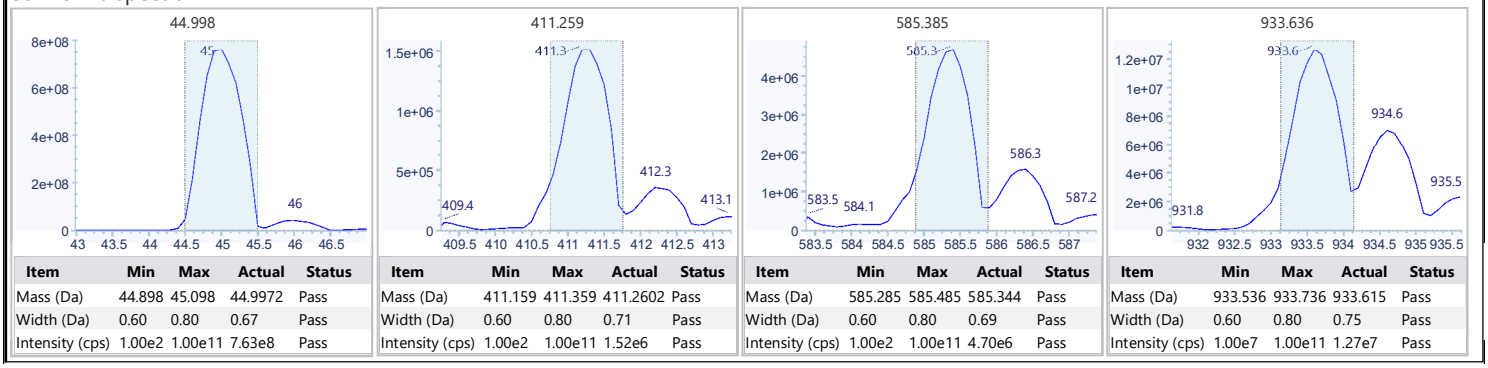
## 2. Negative Q1 Unit Resolution

| Step | Result | Details |
|---|---|---|

| | | | |
|---|---|---|---|
| **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:** | EX234802207 | **Doc Num Revision:** | TripleQuad5500+PickSetVerify Eng |
| **User Name:** | A2-LCMS07 | | |

Verify Q1 Negative 10 Da/sec **Pass** Data file:D:\SCIEX OS Data\Optimization\Optimization-2025-01-29-17-04-57

Sum of 10 spectra




| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 44.898 | 45.098 | 44.9972 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.67 | Pass |
| Intensity (cps) | 1.00e2 | 1.00e11 | 7.63e8 | Pass |

| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 411.159 | 411.359 | 411.2602 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.71 | Pass |
| Intensity (cps) | 1.00e2 | 1.00e11 | 1.52e6 | Pass |

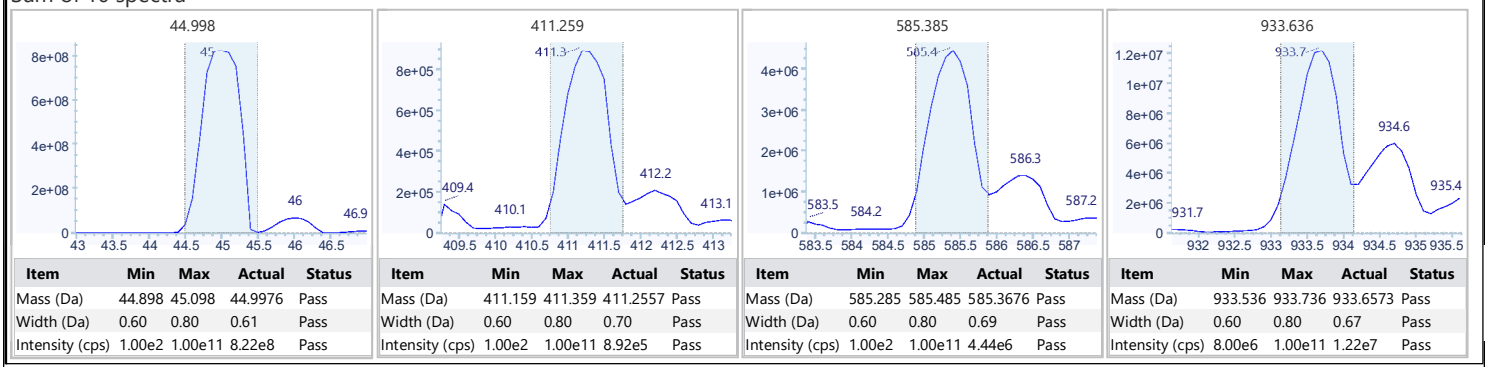
| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 585.285 | 585.485 | 585.344 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.69 | Pass |
| Intensity (cps) | 1.00e2 | 1.00e11 | 4.70e6 | Pass |

| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 933.536 | 933.736 | 933.615 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.75 | Pass |
| Intensity (cps) | 1.00e7 | 1.00e11 | 1.27e7 | Pass |

## 3. Negative Q3 Unit Resolution

| Step | Result | Details |
|---|---|---|
| Verify Q3 Negative 10 Da/sec | **Pass** | Data file:D:\SCIEX OS Data\Optimization\Optimization-2025-01-29-17-04-57 |

Sum of 10 spectra




| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 44.898 | 45.098 | 44.9976 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.61 | Pass |
| Intensity (cps) | 1.00e2 | 1.00e11 | 8.22e8 | Pass |

| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 411.159 | 411.359 | 411.2557 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.70 | Pass |
| Intensity (cps) | 1.00e2 | 1.00e11 | 8.92e5 | Pass |

| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 585.285 | 585.485 | 585.3676 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.69 | Pass |
| Intensity (cps) | 1.00e2 | 1.00e11 | 4.44e6 | Pass |

| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 933.536 | 933.736 | 933.6573 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.67 | Pass |
| Intensity (cps) | 8.00e6 | 1.00e11 | 1.22e7 | Pass |

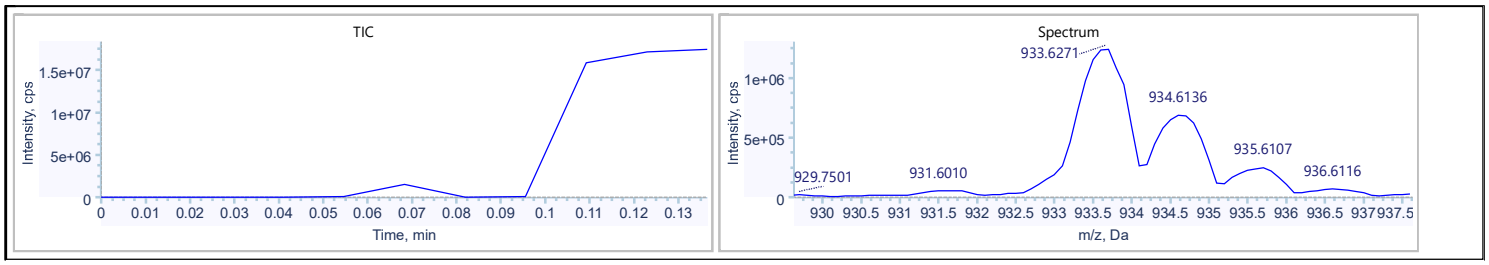
# Instrument Verification Report

1/29/2025 5:05 PM

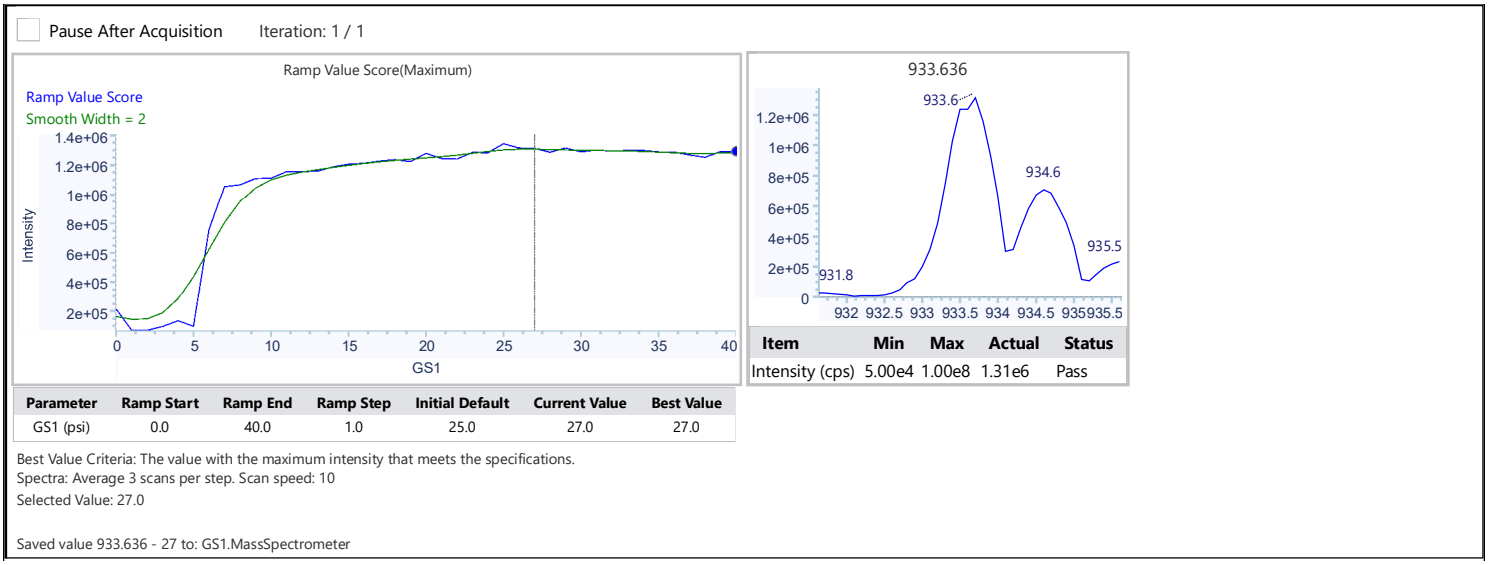
| | | | |
|---|---|---|---|
| **Instrument Name:** | SCIEX Triple Quad 5500+ | **Manufacturer:** | AB Sciex |
| **Instrument Model:** | TripleQuad5500+ | **Target Instrument:** | TripleQuad5500+ |
| **Ion Source:** | TurboIonSpray | **Optimization Set:** | 5500+ MS Scan Verification |
| **Serial Number:** | EX234802207 | **Doc Num Revision:** | TripleQuad5500+PickSetVerify Eng |
| **User Name:** | A2-LCMS07 | | |

## 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 27 |




| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Intensity (cps) | 5.00e4 | 1.00e8 | 1.31e6 | Pass |

| Parameter | Ramp Start | Ramp End | Ramp Step | Initial Default | Current Value | Best Value |
|---|---|---|---|---|---|---|
| GS1 (psi) | 0.0 | 40.0 | 1.0 | 25.0 | 27.0 | 27.0 |

Best Value Criteria: The value with the maximum intensity that meets the specifications.
Spectra: Average 3 scans per step. Scan speed: 10
Selected Value: 27.0

Saved value 933.636 - 27 to: GS1.MassSpectrometer

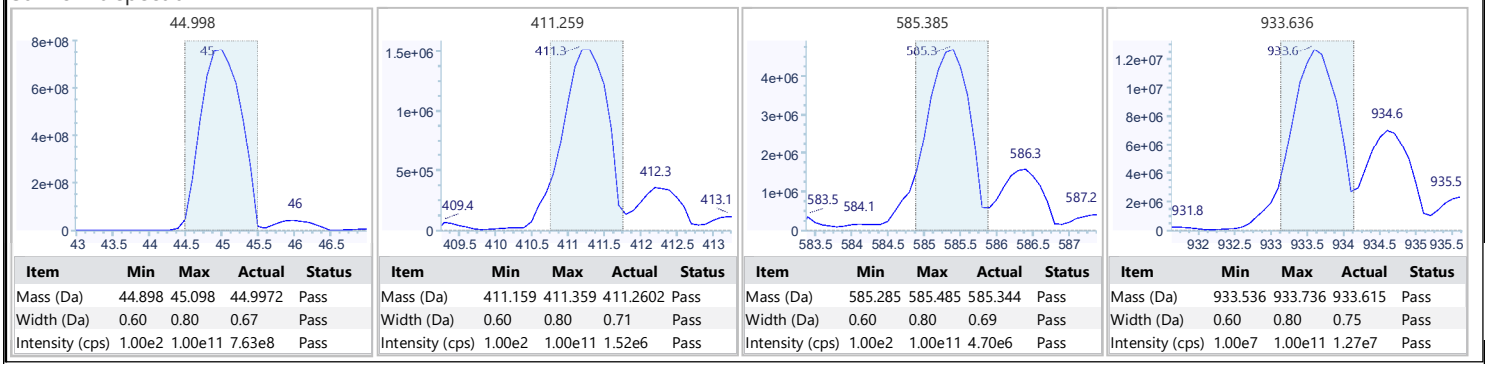
## 2. Negative Q1 Unit Resolution

| Step | Result | Details |
|---|---|---|

| | | | |
|---|---|---|---|
| **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:** | EX234802207 | **Doc Num Revision:** | TripleQuad5500+PickSetVerify Eng |
| **User Name:** | A2-LCMS07 | | |

Verify Q1 Negative 10 Da/sec — **Pass** — Data file:D:\SCIEX OS Data\Optimization\Optimization-2025-01-29-17-04-57

Sum of 10 spectra




| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 44.898 | 45.098 | 44.9972 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.67 | Pass |
| Intensity (cps) | 1.00e2 | 1.00e11 | 7.63e8 | Pass |

| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 411.159 | 411.359 | 411.2602 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.71 | Pass |
| Intensity (cps) | 1.00e2 | 1.00e11 | 1.52e6 | Pass |

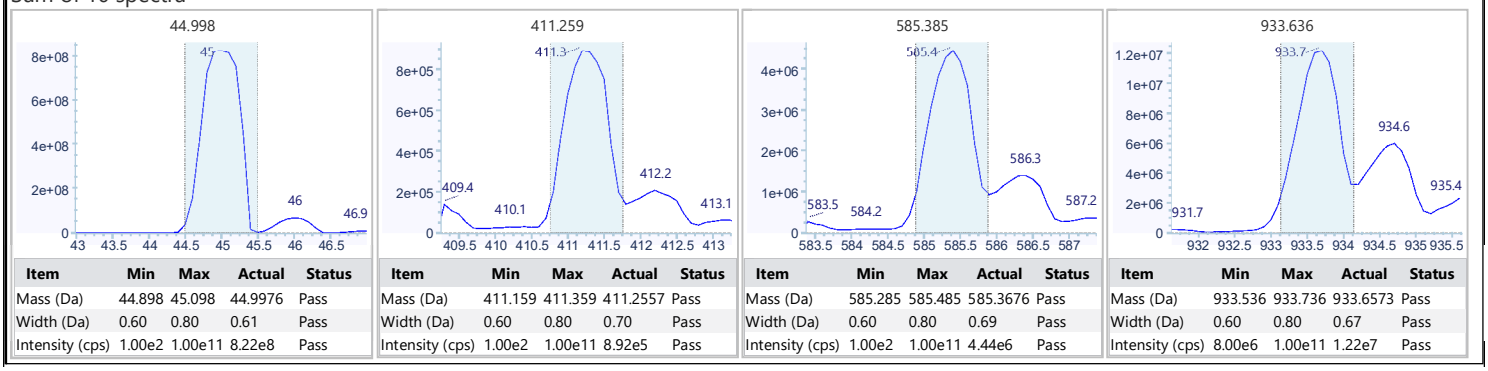
| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 585.285 | 585.485 | 585.344 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.69 | Pass |
| Intensity (cps) | 1.00e2 | 1.00e11 | 4.70e6 | Pass |

| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 933.536 | 933.736 | 933.615 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.75 | Pass |
| Intensity (cps) | 1.00e7 | 1.00e11 | 1.27e7 | Pass |

## 3. Negative Q3 Unit Resolution

| Step | Result | Details |
|---|---|---|
| Verify Q3 Negative 10 Da/sec | **Pass** | Data file:D:\SCIEX OS Data\Optimization\Optimization-2025-01-29-17-04-57 |

Sum of 10 spectra




| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 44.898 | 45.098 | 44.9976 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.61 | Pass |
| Intensity (cps) | 1.00e2 | 1.00e11 | 8.22e8 | Pass |

| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 411.159 | 411.359 | 411.2557 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.70 | Pass |
| Intensity (cps) | 1.00e2 | 1.00e11 | 8.92e5 | Pass |

| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 585.285 | 585.485 | 585.3676 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.69 | Pass |
| Intensity (cps) | 1.00e2 | 1.00e11 | 4.44e6 | Pass |

| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 933.536 | 933.736 | 933.6573 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.67 | Pass |
| Intensity (cps) | 8.00e6 | 1.00e11 | 1.22e7 | Pass |

| | WG2034820 | | | LCMS05 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | ICAL2 | Cal STD | | LCMS250212U | LCMS250213AJ | ECRD250228 | EPA1633_240228_TOP | EPA_250120_TDCA | |
| | Cal Level | LCMS241021AAO | Serial Dilution | EIS µL | NIS µL | Blank µL | TOP Surr | TDCA | Final Vol µL |
| * | IA1633STD-.1 | 0 | 40 µl IA1633STD-2.5 | 5 | 5 | 980 | 5 | 5 | 1000 |
| * | IA1633STD-.2 | 0 | 80 µl IA1633STD-2.5 | 5 | 5 | 985 | 5 | | 1000 |
| * | IA1633STD-.5 | 0 | 100 µl IA1633STD-5 | 5 | 5 | 985 | 5 | | 1000 |
| | IA1633STD-2.5 | 10 | | 5 | 5 | 975 | 5 | | 1000 |
| | IA1633STD-5 | 20 | | 5 | 5 | 960 | 5 | 5 | 1000 |
| | IA1633STD-12.5 | 50 | | 5 | 5 | 935 | 5 | | 1000 |
| | IA1633STD-25 | 100 | | 5 | 5 | 885 | 5 | | 1000 |
| | IA1633STD-50 | 200 | | 5 | 5 | 785 | 5 | | 1000 |
| | IA1633STD-62.5 | 250 | | 5 | 5 | 730 | 5 | 5 | 1000 |
| | CA1633STD-10 | 5 µl LCMS241030C | | 5 | 5 | 980 | 5 | | 1000 |
| | Prepared: | JW 2/28/2025 | | | | | | | |

# ABSOLUTE STANDARDS, INC.

ISO - 17034

## Certificate of Analysis

### Certified Reference Material (CRM)

LCMS24 1030 C-D
15 10/30/24

**Conformance**: The "Certificate of Analysis" is applicable for CRM's, fulfilling the requirements in the current version of: ISO 17034.

**Health & Safety**: See the attached SDS & Certified Weight Report before use.

**Intended Use**: This Certified Reference Material (CRM) is intended primarily for use in the characterization of unknowns and the establishment of analyzer or instrument response factors by qualified personnel. Typical instrumental organic assays include: GC & LC, and inorganic assays include: ICP & AA. This product is for laboratory use only.

**Characterization Values**: In production, gravimetric/volumetric readings are certified to be within +/- 0.5% of the stated value & are valid between 18 °C & 30 °C. The measured characterization of uncertainty can be found on the Certified Weight Report. All product weighings are performed on an analytical balance that is calibrated to NIST Traceable standard weights & certified by the manufacturer. The volumetric glassware used is Class "A" type & conforms to ASTM E-288 unless otherwise stated. The solvents & compounds used are of the highest practical purity & typically meet or exceed ACS Reagent Grade & ACS Standards Grade specifications. The expanded uncertainty field on Certified Wt. Report represents CRM uncertainty as described in ISO 17034.

**Homogeneity:** Uncertainties that are due to the analytical procedure(s) are within +/-5% unless specifically stated on the Certified Wt. Report.

**Verification:** Uncertainties that are due to the analytical procedure(s) are within +/-5% unless specifically stated on the Certified Wt. Report.

**Stability:** Uncertainties for short-term stability are determined in accordance with ISO 17034. Long-term stability is determined in accordance with ISO 17034. The shelf life is limited by the stated expiration for each product. Expiration dates and additional technical information can be found on the Certified Weight Report and on the product label.

**Uncertainty**: $U_{CRM}$ is the expanded uncertainty which utilizes a K = 2 (coverage factor of 2), in accordance with ISO 17034 as listed above (Characterization, Homogeneity, Verification, and Stability).

**Purity & Identity**: Organic solutions are typically formulated from neat materials whose purity & identity have been characterized by GC-MSD & LC-PDA techniques with comparison to a NIST Traceable library of mass spectra when available. Additional characterization techniques may include but are not limited to: refractive index measurements of liquids, melting point measurements of solids, & GC-FID, ECD, PID, ELCD, LC-PDA measurements for purity. Inorganic solutions & neats are typically formulated from materials whose purity & identity have been characterized by ICPMS with comparison to a NIST SRM® when available. Additional characterization techniques may include but are not limited to: titrimetry, and densitometry.

**Storage**: Sealed ampules and other containers should be stored in the dark and at temperatures indicated on the Certified Weight Report or product label. Certification by Absolute Standards, Inc. is typically valid for 3 years from the date of manufacture. Each product will show its own expiration date as the limit of certification. Certified values are not applicable to opened ampules or for any materials stored in re-sealable containers. Please see the "Certified Weight Report" for specific values and any exceptions.

**Usage**: Ampules & bottles should be brought to room temperature (18 to 30 °C) before opening. Sonication may be required for high concentration solutions or solutions that may precipitate during storage. After opening, care should be exercised to avoid concentration changes owing to evaporation of the solvent or essential components. We recommend that a suitable re-sealable container be available before opening an ampule to decant the standard for short-term storage and use.

**Minimum Sample Size**: 0.5 uL for analytical applications.

**Legal Notice**: Warranty of products are as described when shipped. No warranty as to fitness for any particular application is expressed or implied. Errant shipments and/or quality claims must be made within 10 days of receipt. Liability is limited solely to the replacement of the product or refund of purchase price.

**Certifying Officer**: Stephen J. Arpie, M.S., Director General



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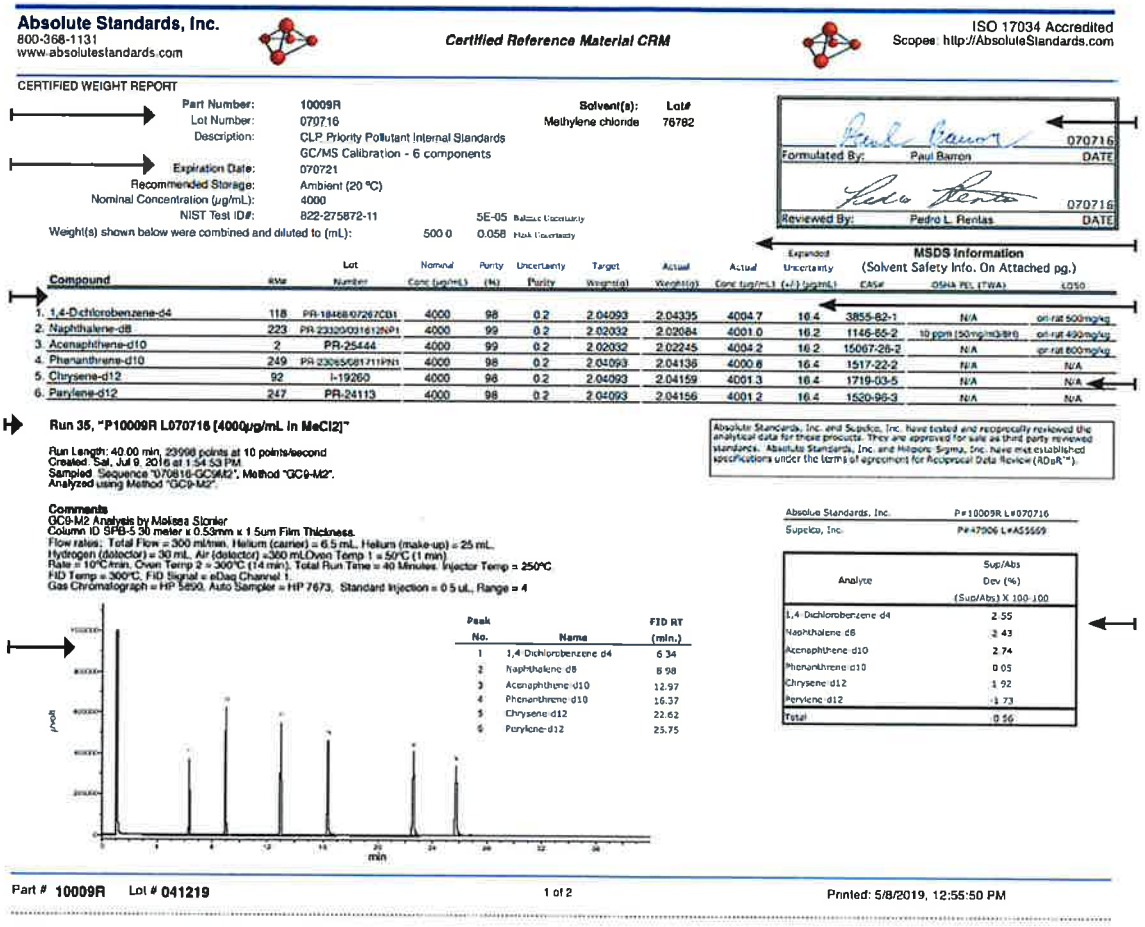
Document Identification: Certificate of Analysis Rev 14, Date Issued: 05/30/2019

# ABSOLUTE STANDARDS, INC.

## ISO - 17034

## Understanding the Certified Weight Report

Each Certified Reference Material (CRM) is supported by a Certified Weight Report. Assigned values for concentrations and associated uncertainties are based upon NIST traceable masses & volumes used in production.



**Absolute Standards, Inc.**
800-368-1131
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*Certified Reference Material CRM*

ISO 17034 Accredited
Scopes: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

Part Number: 10009R
Lot Number: 070716
Description: CLP Priority Pollutant Internal Standards GC/MS Calibration - 6 components
Expiration Date: 070721
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 4000
NIST Test ID#: 822-275872-11

Solvent(s): Methylene chloride Lot# 76782

Formulated By: Paul Barron 070716 DATE
Reviewed By: Pedro L. Rentas 070716 DATE

Weight(s) shown below were combined and diluted to (mL): 500.0 5E-05 Balance Uncertainty 0.058 Flask Uncertainty

| Compound | #Iso | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | MSDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. 1,4-Dichlorobenzene-d4 | 118 | PR-18468-07267CB1 | 4000 | 98 | 0.2 | 2.04093 | 2.04335 | 4004.7 | 16.4 | 3855-82-1 | N/A | orl-rat 500mg/kg |
| 2. Naphthalene-d8 | 223 | PR-23320031612NP1 | 4000 | 99 | 0.2 | 2.02032 | 2.02084 | 4001.0 | 16.2 | 1146-65-2 | 10 ppm (50mg/m3-8H) | orl-rat 490mg/kg |
| 3. Acenaphthene-d10 | 2 | PR-25444 | 4000 | 99 | 0.2 | 2.02032 | 2.02245 | 4004.2 | 16.2 | 15067-26-2 | N/A | ipr-rat 800mg/kg |
| 4. Phenanthrene-d10 | 249 | PR-23055081711PN1 | 4000 | 98 | 0.2 | 2.04093 | 2.04138 | 4000.8 | 16.4 | 1517-22-2 | N/A | N/A |
| 5. Chrysene-d12 | 92 | I-19260 | 4000 | 98 | 0.2 | 2.04093 | 2.04159 | 4001.3 | 16.4 | 1719-03-5 | N/A | N/A |
| 6. Perylene-d12 | 247 | PR-24113 | 4000 | 98 | 0.2 | 2.04093 | 2.04156 | 4001.2 | 16.4 | 1520-96-3 | N/A | N/A |

Absolute Standards, Inc. and Supelco, Inc. have tested and reciprocally reviewed the analytical data for these products. They are approved for sale as third party reviewed standards. Absolute Standards, Inc. and Millipore Sigma, Inc. have met established specifications under the terms of agreement for Reciprocal Data Review (RDaR™).

Run 35, "P10009R L070716 [4000µg/mL in MeCl2]"

Run Length: 40.00 min, 23998 points at 10 points/second
Created: Sat, Jul 9, 2016 at 1:54:53 PM
Sampled Sequence "070816-GC9M2", Method "GC9-M2".
Analyzed using Method "GC9-M2".

Comments
GC9-M2 Analysis by Melissa Slonker
Column ID SPB-5 30 meter x 0.53mm x 1.5um Film Thickness.
Flow rates: Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL,
Hydrogen (detector) = 30 mL, Air (detector) =300 mLOven Temp 1 = 50°C (1 min)
Rate = 10°C/min, Oven Temp 2 = 300°C (14 min), Total Run Time = 40 Minutes. Injector Temp = 250°C
FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673. Standard Injection = 0.5 uL, Range = 4

| Peak No. | Name | FID RT (min.) |
|---|---|---|
| 1 | 1,4-Dichlorobenzene-d4 | 6.34 |
| 2 | Naphthalene-d8 | 8.98 |
| 3 | Acenaphthene-d10 | 12.97 |
| 4 | Phenanthrene-d10 | 16.37 |
| 5 | Chrysene-d12 | 22.62 |
| 6 | Perylene-d12 | 25.75 |

pA
min

Absolute Standards, Inc. P#10009R L#070716
Supelco, Inc. P#47906 L#AS5669

| Analyte | Sup/Abs Dev (%) (Sup/Abs) X 100-100 |
|---|---|
| 1,4-Dichlorobenzene-d4 | 2.55 |
| Naphthalene-d8 | 3.43 |
| Acenaphthene-d10 | 2.74 |
| Phenanthrene-d10 | 0.05 |
| Chrysene-d12 | 1.92 |
| Perylene-d12 | -1.73 |
| Total | 0.56 |

Part # 10009R Lot # 041219 1 of 2 Printed: 5/8/2019, 12:55:50 PM

**Part #**
**Lot #**
**Shelf Life**
**Target Compounds**
**Method of Analysis**
**Qualitative Quantitative**
**Formulator Reviewer**
**Actual Concentration**
**Uncertainty Values**
**Health & Safety**
**3rd Party Comparison**

For More Information, Contact:

**StephenArpie@AbsoluteStandards.com**



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***Certified Reference Material CRM***

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

**Part Number:** 65735
**Lot Number:** 101024
**Description:** Method 1633 - PFCs - Calibration Standard
40 components
**Expiration Date:** 101025
**Recommended Storage:** Freezer (0 °C)
**Nominal Concentration (µg/mL):** 2
**NIST Test ID#:** 6UTB

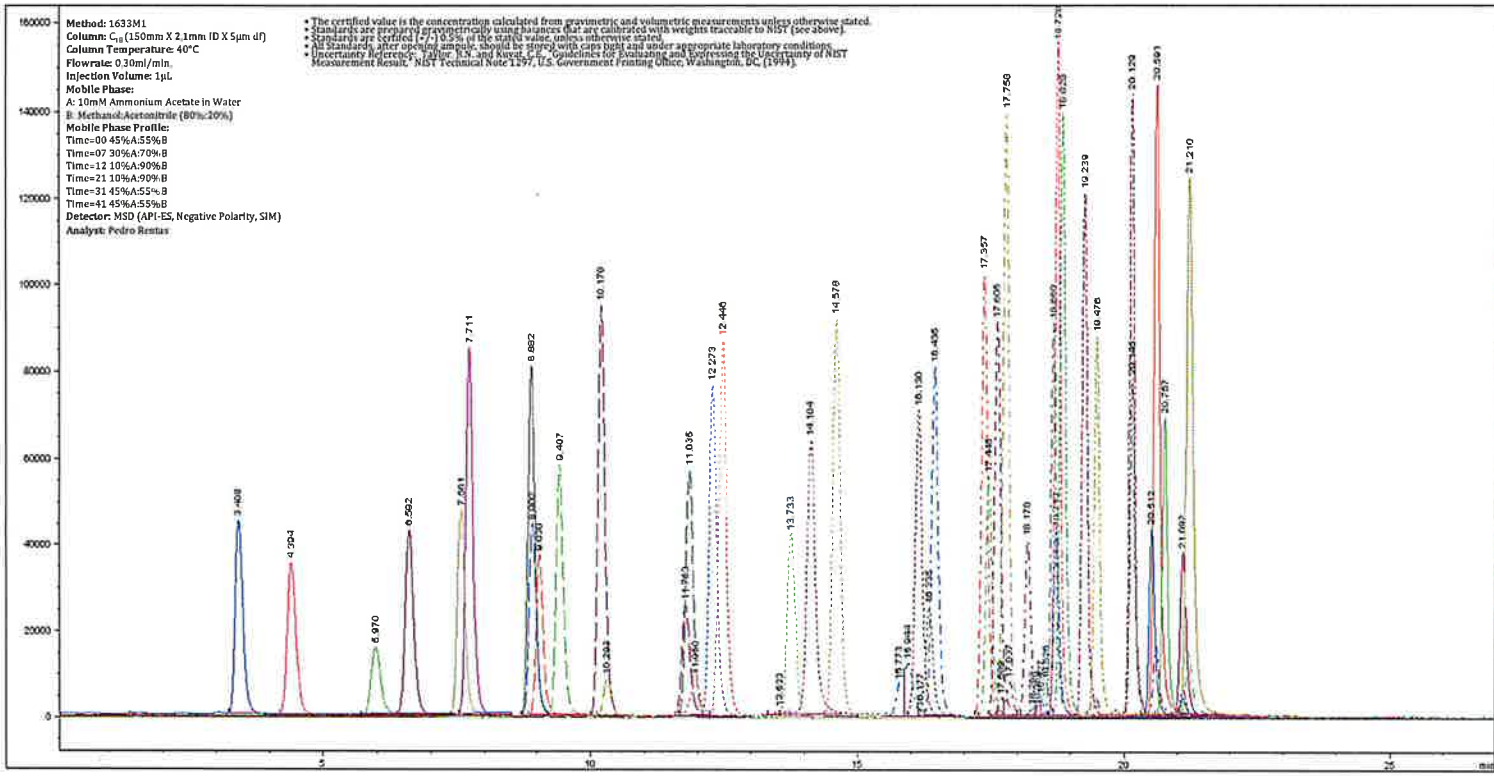
**Solvent:** Methanol (1 mM KOH) **Lot#** 100924

5E-05 Balance Uncertainty
50.0 0.001 Flask Uncertainty

Volume(s) shown below were combined and diluted to (mL):

| | | |
|---|---|---|
| Formulated By: | Prashant Chauhan | 101024 DATE |
| Reviewed By: | Pedro L. Rentas | 101024 DATE |

| Compound | Part Number | Lot Number | Purity (%) | Dilution Factor | Initial Vol. (mL) | Uncertainty Pipette (mL) | Initial Conc.(µg/mL) | Final Conc.(µg/mL) | Expanded Uncertainty (+/-) µg/mL | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Perfluoro-n-butanoic acid (PFBA) | 65946 | 102022 | 98.8 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 375-22-4 | N/A | N/A |
| 2. Perfluoro-n-pentanoic acid (PFPeA) | 65946 | 102022 | 98 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 2706-90-3 | N/A | N/A |
| 3. Perfluorohexanoic acid (PFHxA) | 65946 | 102022 | 98.4 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 307-24-4 | N/A | N/A |
| 4. Perfluoroheptanoic acid (PFHpA) | 65946 | 102022 | 99 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 375-85-9 | N/A | N/A |
| 5. Perfluorooctanoic acid (PFOA-branched) | 65946 | 102022 | 99.9 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 335-67-1 (L) | N/A | ipr-rat 189mg/kg |
| 6. Perfluorononanoic acid (PFNA) | 65946 | 102022 | 99.6 | 0.040 | 2.00 | 0.017 | 50.1 | 2.0 | 0.05 | 375-95-1 | N/A | N/A |
| 7. Perfluorodecanoic acid (PFDA) | 65946 | 102022 | 99.9 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 335-76-2 | N/A | orl-rat 57mg/kg |
| 8. Perfluoroundecanoic acid (PFUnA) | 65946 | 102022 | 99.2 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 2058-94-8 | N/A | N/A |
| 9. Tricosafluorododecanoic acid | 65946 | 102022 | 100 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 307-55-1 | N/A | N/A |
| 10. Perfluorotridecanoic acid (PFTrDA) | 65946 | 102022 | 98.5 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 72629-94-8 | N/A | N/A |
| 11. Perfluorotetradecanoic acid (PFTeDA) | 65946 | 102022 | 98.5 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 376-06-7 | N/A | N/A |
| 12. Perfluoro-1-butanesulfonic acid (PFBS) | 65946 | 102022 | 99 | 0.040 | 2.00 | 0.017 | 50.1 | 2.0 | 0.05 | 375-73-5 | N/A | N/A |
| 13. Perfluoro-1-pentanesulfonic acid (PFPeS) | 65946 | 102022 | 99 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 2706-91-4 | N/A | N/A |
| 14. Perfluorohexane-1-sulfonic acid (linear & branched) (PFHxS) | 65946 | 102022 | 99 | 0.040 | 2.00 | 0.017 | 50.1 | 2.0 | 0.05 | 355-46-4 (L) | N/A | N/A |
| 15. Perfluorooctanesulfonic acid (br-PFOS) | 65946 | 102022 | 99 | 0.040 | 2.00 | 0.017 | 50.1 | 2.0 | 0.05 | 1763-23-1 (L) | N/A | N/A |
| 16. 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS) | 65946 | 102022 | 99 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 757124-72-4 | N/A | N/A |
| 17. 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS) | 65946 | 102022 | 99 | 0.040 | 2.00 | 0.017 | 50.1 | 2.0 | 0.05 | 27619-97-2 | N/A | N/A |
| 18. Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA) | 65946 | 102022 | 99 | 0.040 | 2.00 | 0.017 | 50.1 | 2.0 | 0.05 | 113507-82-7 | N/A | N/A |
| 19. Perfluoro-4-oxapentanoic acid (PF4OPeA, PFMPA) | 65946 | 102022 | 99 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 377-73-1 | N/A | N/A |
| 20. Perfluoro-5-oxahexanoic acid (PF5OHxA; PFMBA) | 65946 | 102022 | 99 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 863090-89-5 | N/A | N/A |
| 21. 2-(Heptafluoropropoxy)-2,3,3,3-tetrafluoropropionic acid (HFPO-DA) | 65946 | 102022 | 98 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 13252-13-6 | N/A | N/A |
| 22. 2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA) | 65738 | 101024 | 99 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.04 | 356-02-5 | N/A | N/A |
| 23. 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA) | 65739 | 101024 | 99 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.04 | 914637-49-3 | N/A | N/A |
| 24. 2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA) | 65740 | 101024 | 99 | 0.040 | 2.00 | 0.017 | 50.1 | 2.0 | 0.04 | 812-70-4 | N/A | N/A |
| 25. Perfluoro-1-heptanesulfonic acid (PFHpS) | 65942 | 101722 | 99 | 0.040 | 2.00 | 0.017 | 50.0 | 2.0 | 0.03 | 375-92-8 | N/A | N/A |
| 26. Perfluoro-1-nonanesulfonic acid (PFNS) | 3957 | LPFNS0724 | 98 | 0.042 | 2.10 | 0.017 | 48.0 | 2.0 | 0.11 | 68259-12-1 | N/A | N/A |
| 27. Perfluoro-1-decanesulfonic acid (PFDS) | 67399 | 062524 | 100 | 0.040 | 2.00 | 0.017 | 50.5 | 2.0 | 0.10 | 335-77-3 | N/A | N/A |
| 28. 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) | 67398 | 071824 | 100 | 0.040 | 2.00 | 0.017 | 50.5 | 2.0 | 0.10 | 39108-34-4 FA | N/A | N/A |
| 29. Perfluoro-1-dodecanesulfonic acid (PFDoS) | 4436 | LPFDoS0624 | 98 | 0.041 | 2.04 | 0.017 | 48.4 | 2.0 | 0.10 | 79780-39-5 | N/A | N/A |
| 30. N-Methylperfluoro-1-octanesulfonamide (N-MeFOSA) | 3666 | NMeFOSA0723M | 98 | 0.040 | 2.00 | 0.017 | 50.0 | 2.0 | 0.11 | 31506-32-8 | N/A | N/A |
| 31. N-Ethylperfluoro-1-octanesulfonamide (N-EtFOSA) | 3663 | NEtFOSA0923M | 98 | 0.040 | 2.00 | 0.017 | 50.0 | 2.0 | 0.11 | 4151-50-2 | N/A | N/A |
| 32. N-Ethylperfluorooctanesulfonamidoacetic acid (br-NEtFOSAA)* | 65806 | 052324 | 100 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.10 | 2991-50-6 (L) | N/A | N/A |
| 33. N-Methylperfluorooctanesulfonamidoacetic acid (br-NMeFOSAA)* | 4162 | brNMeFOSAA0124 | 98 | 0.040 | 2.00 | 0.017 | 50.0 | 2.0 | 0.03 | 2355-31-9 (L) | N/A | N/A |
| 34. 2-(N-Methylperfluoro-1-octanesulfonamido)-ethanol (N-MeFOSE) | 3668 | NMeFOSE1232M | 98 | 0.040 | 2.00 | 0.017 | 50.0 | 2.0 | 0.11 | 24448-09-7 | N/A | N/A |
| 35. 2-(N-Ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE) | 3665 | NEtFOSE1123M | 98 | 0.040 | 2.00 | 0.017 | 50.0 | 2.0 | 0.11 | 1691-99-2 | N/A | N/A |
| 36. Perfluorooctanesulfonamide (br-FOSA)* | 65633 | 071124 | 99 | 0.040 | 2.00 | 0.017 | 50.1 | 2.0 | 0.04 | 754-91-6 (L) | N/A | N/A |
| 37. Perfluoro-3,6-dioxaheptanoic acid (NFDHA) | 65795 | 051922 | 99 | 0.040 | 2.00 | 0.017 | 50.1 | 2.0 | 0.11 | 151772-58-6 | N/A | N/A |
| 38. Dodecafluoro-3H-4,8-dioxanonanoic acid (ADONA) | 4103 | NaDONA0324 | 98 | 0.042 | 2.10 | 0.017 | 47.1 | 2.0 | 0.11 | 919005-14-4 FA | N/A | N/A |
| 39. 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | 4164 | 9ClPF3ONS0524 | 98 | 0.042 | 2.10 | 0.017 | 46.6 | 2.0 | 0.10 | 756426-58-1 | N/A | N/A |
| 40. 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | 4165 | 11ClPF3OUdS0424 | 98 | 0.042 | 2.10 | 0.017 | 47.1 | 2.0 | 0.11 | 763051-92-9 | N/A | N/A |
| Perfluorooctanoic acid (linear)* | 65946 | 102022 | | 0.040 | 2.00 | 0.017 | 44.3 | 1.77 | 0.030 | 335-67-1 (L) | N/A | ipr-rat 189mg/kg |
| Perfluorooctanoic acid (branched isomer)* | 65946 | 102022 | | 0.040 | 2.00 | 0.017 | 5.9 | 0.24 | 0.0040 | 90480-55-0 (br) | N/A | ipr-rat 189mg/kg |
| Perfluorohexanesulfonic acid (linear)* | 65946 | 102022 | | 0.040 | 2.00 | 0.017 | 49.2 | 1.97 | 0.03 | 355-46-4 (L) | N/A | N/A |
| Perfluorohexanesulfonic acid (branched isomer)* | 65946 | 102022 | | 0.040 | 2.00 | 0.017 | 1.0 | 0.04 | 0.0006 | 3871-99-6 (br) | N/A | N/A |
| Heptadecafluorooctanesulfonic acid (linear)* | 65946 | 102022 | | 0.040 | 2.00 | 0.017 | 38.7 | 1.55 | 0.03 | 1763-23-1 (L) | N/A | N/A |
| Heptadecafluorooctanesulfonic acid (branched isomer)* | 65946 | 102022 | | 0.040 | 2.00 | 0.017 | 4.6 | 0.18 | 0.003 | N/A | N/A | N/A |
| Heptadecafluorooctanesulfonic acid (branched isomer)* | 65946 | 102022 | | 0.040 | 2.00 | 0.017 | 6.3 | 0.25 | 0.004 | N/A | N/A | N/A |
| Heptadecafluorooctanesulfonic acid (branched isomer)* | 65946 | 102022 | | 0.040 | 2.00 | 0.017 | 0.5 | 0.02 | 0.0003 | N/A | N/A | N/A |
| N-Ethylperfluoro-1-octanesulfonamidoacetic acid (linear)* | 65806 | 052324 | | 0.040 | 2.00 | 0.017 | 43.4 | 1.73 | 0.03 | 2991-50-6 (L) | N/A | N/A |
| N-Ethylperfluoro-1-octanesulfonamidoacetic acid (branched)* | 65806 | 052324 | | 0.040 | 2.00 | 0.017 | 4.7 | 0.19 | 0.003 | N/A | N/A | N/A |
| N-Ethylperfluoro-1-octanesulfonamidoacetic acid (branched)* | 65806 | 052324 | | 0.040 | 2.00 | 0.017 | 2.1 | 0.08 | 0.001 | N/A | N/A | N/A |
| N-Methylperfluoro-1-octanesulfonamidoacetic acid (linear)* | 4162 | brNMeFOSAA0124 | | 0.040 | 2.00 | 0.017 | 38.3 | 1.53 | 0.03 | 2355-31-9 (L) | N/A | N/A |
| N-Methylperfluoro-1-octanesulfonamidoacetic acid (branched)* | 4162 | brNMeFOSAA0124 | | 0.040 | 2.00 | 0.017 | 8.1 | 0.32 | 0.005 | N/A | N/A | N/A |
| N-Methylperfluoro-1-octanesulfonamidoacetic acid (branched)* | 4162 | brNMeFOSAA0124 | | 0.040 | 2.00 | 0.017 | 3.7 | 0.15 | 0.003 | N/A | N/A | N/A |
| Perfluorooctanesulfonamide (linear)* | 65633 | 110422 | | 0.040 | 2.00 | 0.017 | 46.8 | 1.87 | 0.03 | 754-91-6 (L) | N/A | N/A |
| Perfluorooctanesulfonamide (branched)* | 65633 | 110422 | | 0.040 | 2.00 | 0.017 | 2.8 | 0.11 | 0.002 | N/A | N/A | N/A |
| Perfluorooctanesulfonamide (branched)* | 65633 | 110422 | | 0.042 | 2.10 | 0.017 | 0.5 | 0.02 | 0.0003 | N/A | N/A | N/A |




| Peak No. | Analyte | Ion | MSD RT (min.) |
|---|---|---|---|
| 1 | Perfluorobutanoic acid (PFBA) | 213 | 3.408 |
| 2 | Perfluoro-3-methoxypropanoic acid (PFMPA) | 229 | 4.394 |
| 3 | 3-Perfluoropropyl propanoic acid (3:3FTCA) | 241 | 5.970 |
| 4 | Perfluoropentanoic acid (PFPeA) | 263 | 6.592 |
| 5 | Perfluoro-4-methoxybutanoic acid (PFMBA) | 279 | 7.561 |
| 6 | Perfluorobutanesulfonic acid (PFBS) | 299 | 7.711 |
| 7 | Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA) | 315 | 8.882 |
| 8 | 1*H*,1*H*, 2*H*, 2*H*-Perfluorohexane sulfonic acid (4:2FTS) | 327 | 8.902 |
| 9 | Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | 201 | 9.030 |
| 10 | Perfluorohexanoic acid (PFHxA) | 313 | 9.407 |
| 11 | Perfluoropentansulfonic acid (PFPeS) | 349 | 10.178 |
| 12 | Hexafluoropropylene oxide dimer acid (HFPO-DA) | 285 | 10.293 |
| 13 | 2*H*,2*H*,3*H*,3*H*-Perfluorooctanoic acid (5:3FTCA) | 341 | 11.763 |
| 14 | Perfluoroheptanoic acid (PFHpA) | 363 | 11.835 |
| 15 | branched-Perfluorohexanesulfonic acid (branched-PFHxS) | 399 | 11.950 |
| 16 | 4,8-Dioxa-3*H*-perfluorononanoic acid (ADONA) | 377 | 12.273 |
| 17 | linear-Perfluorohexanesulfonic acid (linear-PFHxS) | 399 | 12.446 |
| 18 | branched-Perfluorooctanoic acid (branched-PFOA) | 413 | 13.533 |
| 19 | 1*H*,1*H*, 2*H*, 2*H*-Perfluorooctane sulfonic acid (6:2FTS) | 427 | 13.733 |
| 20 | linear-Perfluorooctanoic acid (linear-PFOA) | 413 | 14.104 |
| 21 | Perfluoroheptanesulfonic acid (PFHpS) | 449 | 14.578 |
| 22 | branched-Perfluorooctanesulfonic acid (branched-PFOS) | 499 | 15.773 |
| 23 | branched-Perfluorooctanesulfonic acid (branched-PFOS) | 499 | 15.944 |
| 24 | Perfluorononanoic acid (PFNA) | 463 | 16.130 |
| 25 | branched-Perfluorooctanesulfonic acid (branched-PFOS) | 499 | 16.177 |
| 26 | 3-Perfluoroheptyl propanoic acid (7:3FTCA) | 441 | 16.335 |
| 27 | linear-Perfluorooctanesulfonic acid (linear-PFOS) | 499 | 16.435 |
| 28 | 9-Chlorohexadecafluoro-3-oxanunane-1-sulfonic acid (9Cl-PF3ONS) | 531 | 17.357 |
| 29 | 1*H*,1*H*, 2*H*, 2*H*-Perfluorodecane sulfonic acid (8:2FTS) | 527 | 17.445 |
| 30 | Perfluorodecanoic acid (PFDA) | 513 | 17.605 |
| 31 | branched-N-methyl perfluorooctanesulfonamidoacetic acid (branched-NMeFOSAA) | 570 | 17.689 |
| 32 | Perfluorononanesulfonic acid (PFNS) | 549 | 17.758 |
| 33 | branched-N-methyl perfluorooctanesulfonamidoacetic acid (branched-NMeFOSAA) | 570 | 17.837 |
| 34 | linear-N-methyl perfluorooctanesulfonamidoacetic acid (linear-NMeFOSAA) | 570 | 18.170 |
| 35 | branched-N-ethyl perfluorooctanesulfonamidoacetic acid (branched-NEtFOSAA) | 584 | 18.263 |
| 36 | branched-Perfluorooctanesulfonamide (branched-PFOSA) | 498 | 18.369 |
| 37 | branched-N-ethyl perfluorooctanesulfonamidoacetic acid (branched-NEtFOSAA) | 584 | 18.427 |
| 38 | branched-Perfluorooctanesulfonamide (branched-PFOSA) | 498 | 18.526 |
| 39 | Perfluoroundecanoic acid (PFUnA) | 563 | 18.660 |
| 40 | linear-N-ethyl perfluorooctanesulfonamidoacetic acid (linear-NEtFOSAA) | 584 | 18.713 |
| 41 | Perfluorodecanesulfonic acid (PFDS) | 599 | 18.728 |
| 42 | linear-Perfluorooctanesulfonamide (linear-PFOSA) | 498 | 18.828 |
| 43 | 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | 631 | 19.239 |
| 44 | Perfluorododecanoic acid (PFDoA) | 613 | 19.476 |
| 45 | Perfluorododecanesulfonic acid (PFDoS) | 699 | 20.129 |
| 46 | Perfluorotridecanoic acid (PFTrDA) | 663 | 20.145 |
| 47 | N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE) | 616 | 20.512 |
| 48 | N-methyl perfluorooctanesulfonamide (NMeFOSA) | 512 | 20.591 |
| 49 | Perfluorotetradecanoic acid (PFTeDA) | 713 | 20.757 |
| 50 | N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE) | 630 | 21.092 |
| 51 | N-ethyl perfluorooctanesulfonamide (NEtFOSA) | 526 | 21.210 |

# Initial Calibration Report

SCIEX OS Version 3.3.1.43

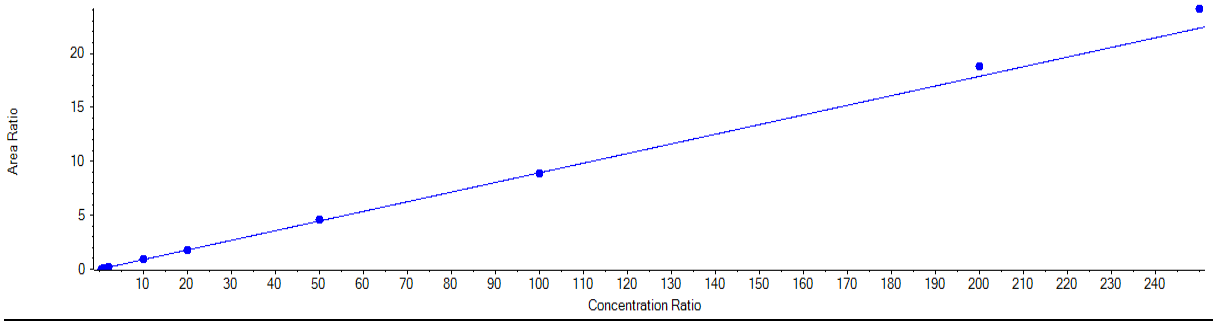
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: PFBA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 0.59 | 1783000 | 61301 | 0.385 | 96.2 | 0.860 | 201 | True | 1.49 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 0.59 | 1947000 | 127068 | 0.730 | 91.3 | 0.816 | 339 | True | 1.60 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 0.60 | 1892000 | 314550 | 1.860 | 93.0 | 0.831 | 530 | True | 1.21 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 0.59 | 1734000 | 1665038 | 10.744 | 107.4 | 0.960 | 1595 | True | 1.25 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 0.60 | 1893000 | 3301288 | 19.512 | 97.6 | 0.872 | 2556 | True | 1.10 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 0.59 | 1539000 | 7000230 | 50.900 | 101.8 | 0.910 | 3394 | True | 1.55 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 0.59 | 1447000 | 12882735 | 99.592 | 99.6 | 0.890 | 5847 | True | 1.09 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 0.60 | 1281000 | 24068781 | 210.285 | 105.1 | 0.940 | 7485 | True | 1.50 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 0.60 | 1226000 | 29592587 | 269.999 | 108.0 | 0.965 | 5613 | True | 1.34 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

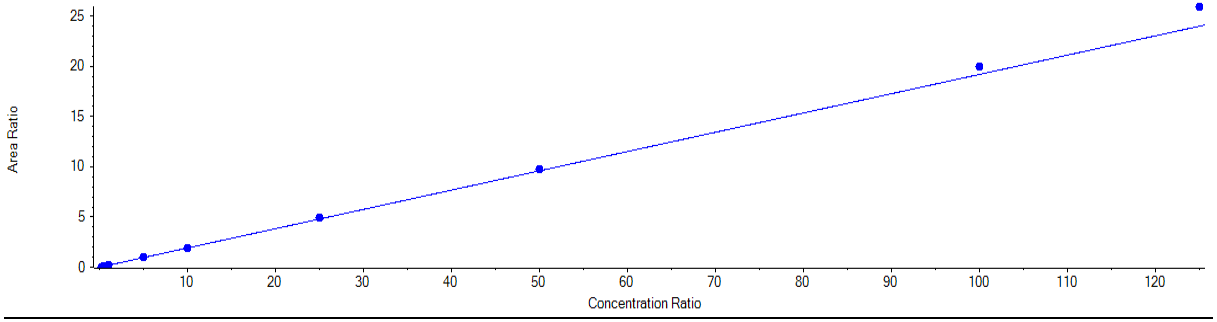
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: PFPeA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 1.18 | 768100 | 26916 | 0.183 | 91.3 | 0.876 | 318 | True | 0.84 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 1.18 | 800800 | 56781 | 0.369 | 92.4 | 0.886 | 647 | True | 1.12 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 1.19 | 779200 | 145153 | 0.970 | 97.1 | 0.931 | 1496 | True | 1.31 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 1.17 | 749300 | 749202 | 5.210 | 104.2 | 1.000 | 4025 | True | 1.17 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 1.19 | 815400 | 1536865 | 9.820 | 98.2 | 0.942 | 5414 | True | 1.23 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 1.18 | 686600 | 3385792 | 25.691 | 102.8 | 0.986 | 7844 | True | 1.43 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 1.18 | 685900 | 6731661 | 51.136 | 102.3 | 0.981 | 11860 | True | 1.13 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 1.19 | 660500 | 13165995 | 103.859 | 103.9 | 0.997 | 16423 | True | 1.17 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 1.19 | 629300 | 16309147 | 135.028 | 108.0 | 1.037 | 17981 | True | 1.14 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

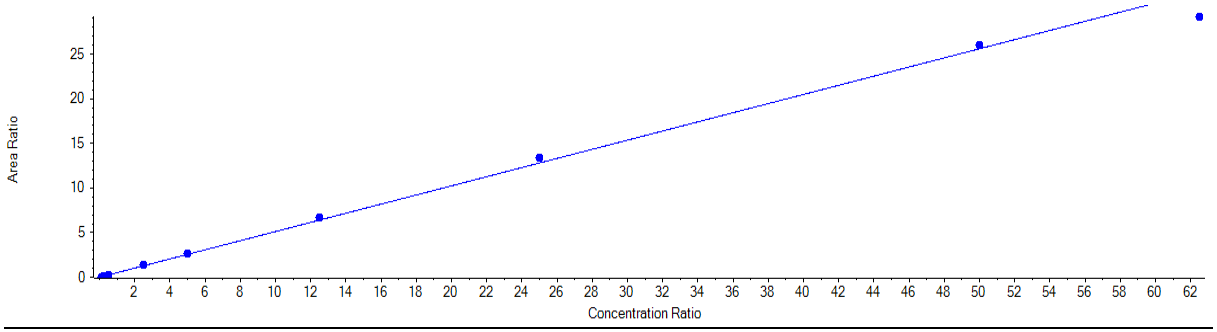
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: PFHxA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 1.92 | 341100 | 18390 | 0.105 | 105.3 | 1.348 | 243 | True | 1.31 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 1.92 | 402500 | 36018 | 0.175 | 87.4 | 1.119 | 503 | True | 1.04 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 1.93 | 359800 | 89541 | 0.486 | 97.2 | 1.244 | 1186 | True | 1.38 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 1.92 | 337900 | 452175 | 2.612 | 104.5 | 1.338 | 3564 | True | 0.98 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 1.93 | 373200 | 993215 | 5.196 | 103.9 | 1.331 | 8644 | True | 1.25 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 1.92 | 307600 | 2055627 | 13.046 | 104.4 | 1.337 | 10853 | True | 1.08 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 1.92 | 319800 | 4283855 | 26.153 | 104.6 | 1.340 | 7697 | True | 1.10 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 1.93 | 307400 | 8005794 | 50.842 | 101.7 | 1.302 | 30867 | True | 1.32 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 1.93 | 333700 | 9738902 | 56.977 | 91.2 | 1.167 | 10457 | True | 1.12 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

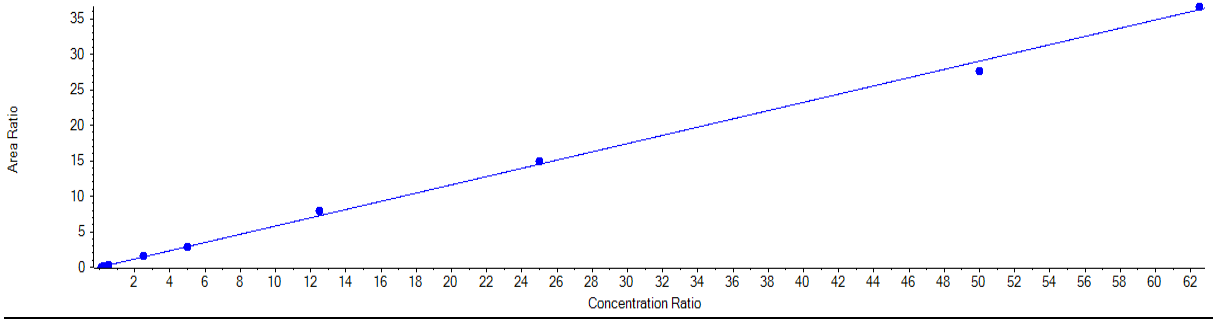
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: PFHpA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 2.50 | 334900 | 19125 | 0.098 | 98.4 | 1.428 | 232 | True | 1.53 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 2.49 | 317100 | 34005 | 0.185 | 92.3 | 1.341 | 362 | True | 1.28 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 2.51 | 370900 | 100230 | 0.465 | 93.1 | 1.351 | 1201 | True | 1.38 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 2.50 | 318100 | 510666 | 2.765 | 110.6 | 1.605 | 3759 | True | 1.20 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 2.50 | 383300 | 1081988 | 4.861 | 97.2 | 1.411 | 5443 | True | 1.13 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 2.49 | 284400 | 2271101 | 13.751 | 110.0 | 1.597 | 8675 | True | 1.15 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 2.49 | 310700 | 4615047 | 25.582 | 102.3 | 1.485 | 24341 | True | 1.10 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 2.51 | 335400 | 9253281 | 47.505 | 95.0 | 1.379 | 16136 | True | 1.07 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 2.50 | 318800 | 11695516 | 63.173 | 101.1 | 1.467 | 14609 | True | 1.04 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

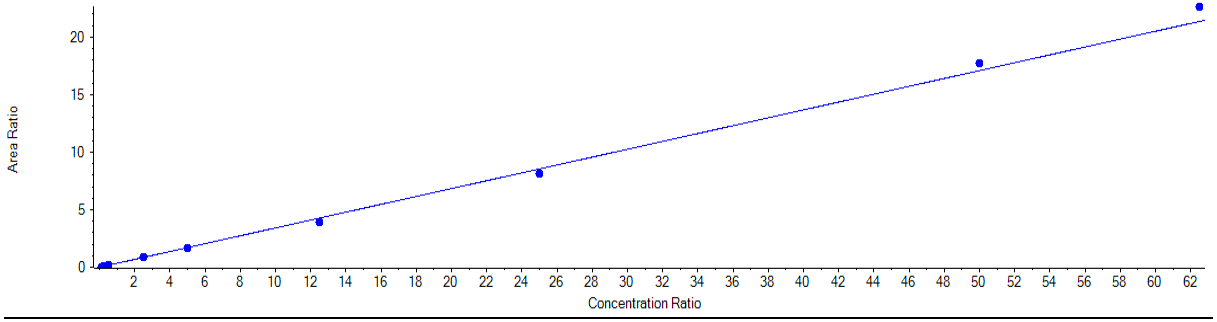
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: PFOA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 2.99 | 586700 | 21875 | 0.109 | 109.1 | 0.932 | 109 | True | 0.17 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 2.99 | 631600 | 43232 | 0.200 | 100.1 | 0.856 | 182 | True | 0.16 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 3.00 | 656900 | 104430 | 0.465 | 93.0 | 0.795 | 304 | True | 0.15 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 2.99 | 590900 | 510178 | 2.525 | 101.0 | 0.863 | 671 | True | 0.15 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 2.99 | 619900 | 1059244 | 4.998 | 100.0 | 0.854 | 807 | True | 0.18 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 2.99 | 570400 | 2251933 | 11.547 | 92.4 | 0.790 | 833 | True | 0.17 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 2.98 | 573900 | 4650748 | 23.702 | 94.8 | 0.810 | 839 | True | 0.16 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 3.00 | 529000 | 9382514 | 51.876 | 103.8 | 0.887 | 835 | True | 0.17 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 2.99 | 539700 | 12214696 | 66.203 | 105.9 | 0.905 | 874 | True | 0.17 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

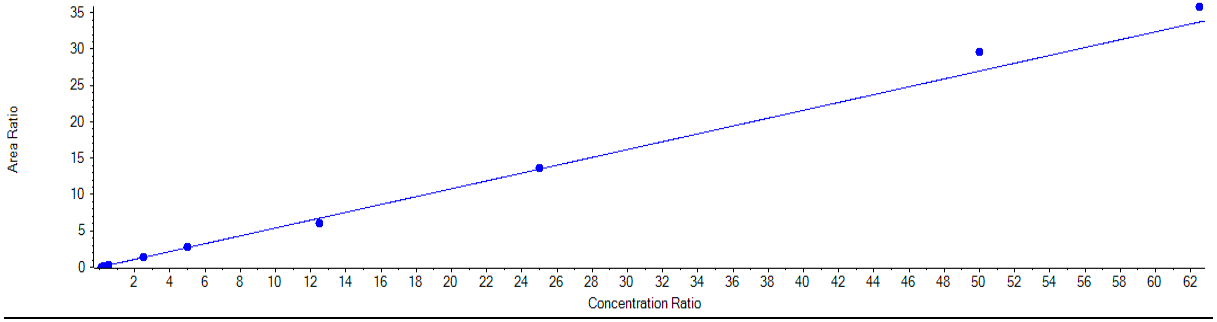
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: PFNA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 3.43 | 243800 | 13249 | 0.101 | 100.7 | 0.679 | 81 | True | 0.16 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 3.43 | 282300 | 27755 | 0.182 | 91.1 | 0.614 | 111 | True | 0.13 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 3.44 | 273600 | 68495 | 0.464 | 92.8 | 0.626 | 267 | True | 0.16 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 3.43 | 251700 | 351968 | 2.592 | 103.7 | 0.699 | 616 | True | 0.14 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 3.44 | 267500 | 754244 | 5.227 | 104.5 | 0.705 | 782 | True | 0.17 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 3.43 | 269400 | 1644711 | 11.317 | 90.5 | 0.610 | 778 | True | 0.16 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 3.43 | 239900 | 3254324 | 25.146 | 100.6 | 0.678 | 802 | True | 0.17 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 3.44 | 234300 | 6937733 | 54.893 | 109.8 | 0.740 | 819 | True | 0.16 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 3.44 | 246800 | 8836404 | 66.367 | 106.2 | 0.716 | 908 | True | 0.16 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

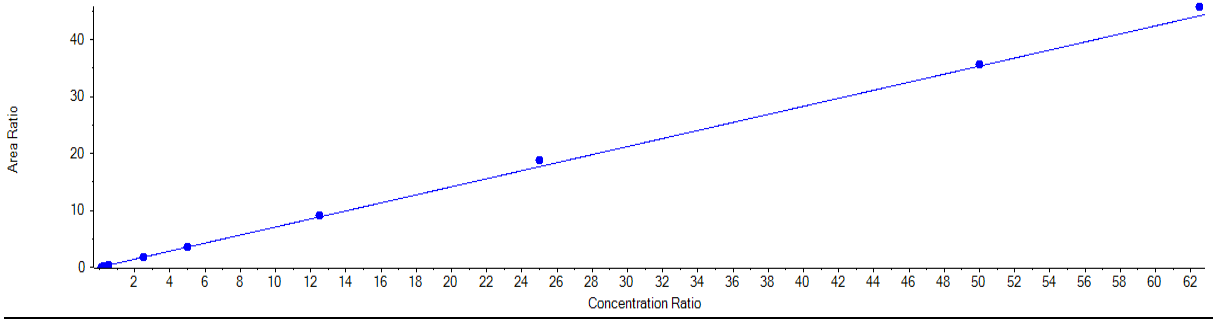
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: PFDA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 3.85 | 293500 | 19483 | 0.094 | 93.9 | 0.830 | 213 | True | 1.28 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 3.85 | 318300 | 39411 | 0.175 | 87.5 | 0.774 | 414 | True | 0.94 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 3.86 | 305500 | 109021 | 0.505 | 100.9 | 0.892 | 1123 | True | 1.03 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 3.85 | 282500 | 506127 | 2.533 | 101.3 | 0.896 | 5081 | True | 1.34 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 3.86 | 303500 | 1098134 | 5.116 | 102.3 | 0.905 | 11005 | True | 1.33 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 3.85 | 261700 | 2393212 | 12.928 | 103.4 | 0.914 | 25084 | True | 1.01 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 3.85 | 260500 | 4900144 | 26.597 | 106.4 | 0.941 | 50712 | True | 1.19 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 3.87 | 273800 | 9749585 | 50.343 | 100.7 | 0.890 | 97540 | True | 1.16 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 3.86 | 253600 | 11610738 | 64.733 | 103.6 | 0.916 | 108690 | True | 1.22 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

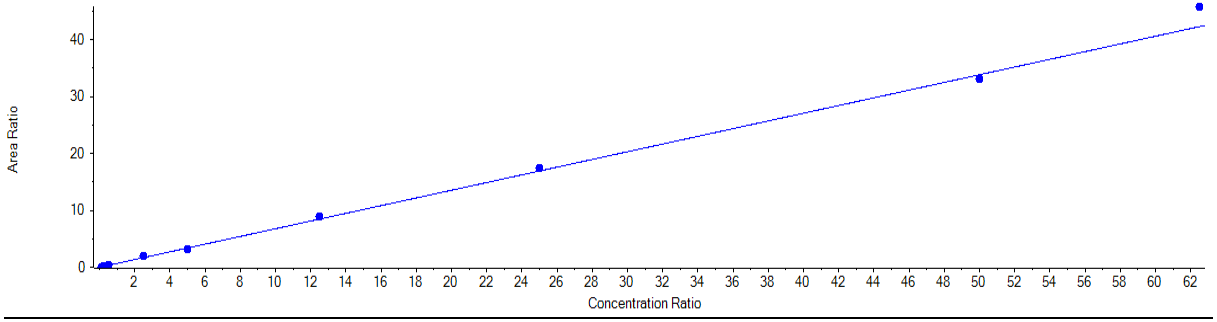
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: PFUnA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 4.26 | 341800 | 20821 | 0.090 | 89.9 | 0.762 | 227 | True | 1.04 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 4.26 | 348400 | 43471 | 0.184 | 92.1 | 0.780 | 522 | True | 0.95 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 4.26 | 345900 | 112775 | 0.481 | 96.3 | 0.815 | 1269 | True | 1.04 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 4.26 | 311100 | 586262 | 2.782 | 111.3 | 0.942 | 6865 | True | 1.22 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 4.26 | 344600 | 1126033 | 4.824 | 96.5 | 0.817 | 13090 | True | 0.93 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 4.25 | 299000 | 2646158 | 13.066 | 104.5 | 0.885 | 31128 | True | 0.85 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 4.25 | 282200 | 4930660 | 25.798 | 103.2 | 0.874 | 57705 | True | 0.98 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 4.27 | 279400 | 9277433 | 49.015 | 98.0 | 0.830 | 23879 | True | 1.09 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 4.26 | 270200 | 12375537 | 67.627 | 108.2 | 0.916 | 30023 | True | 1.07 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

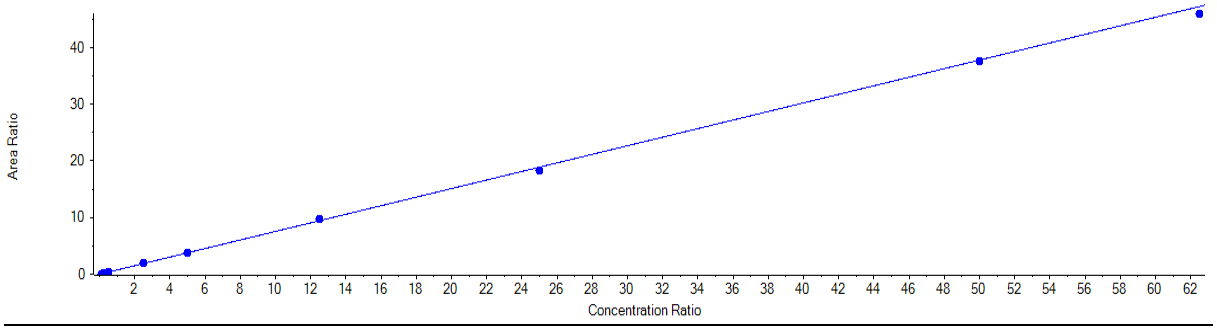
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: PFDoA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 4.65 | 312100 | 24385 | 0.103 | 103.3 | 0.977 | 357 | True | 0.91 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 4.65 | 322700 | 44569 | 0.183 | 91.3 | 0.863 | 651 | True | 1.10 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 4.65 | 329000 | 124129 | 0.499 | 99.8 | 0.943 | 1779 | True | 0.94 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 4.65 | 307100 | 635053 | 2.736 | 109.4 | 1.034 | 9035 | True | 0.99 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 4.65 | 339900 | 1285277 | 5.002 | 100.1 | 0.945 | 14388 | True | 1.25 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 4.64 | 300000 | 2898158 | 12.778 | 102.2 | 0.966 | 19055 | True | 1.06 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 4.64 | 313900 | 5751338 | 24.239 | 97.0 | 0.916 | 25360 | True | 1.23 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 4.66 | 301000 | 11328963 | 49.791 | 99.6 | 0.941 | 51154 | True | 1.12 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 4.65 | 305900 | 14057412 | 60.792 | 97.3 | 0.919 | 189932 | True | 1.12 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

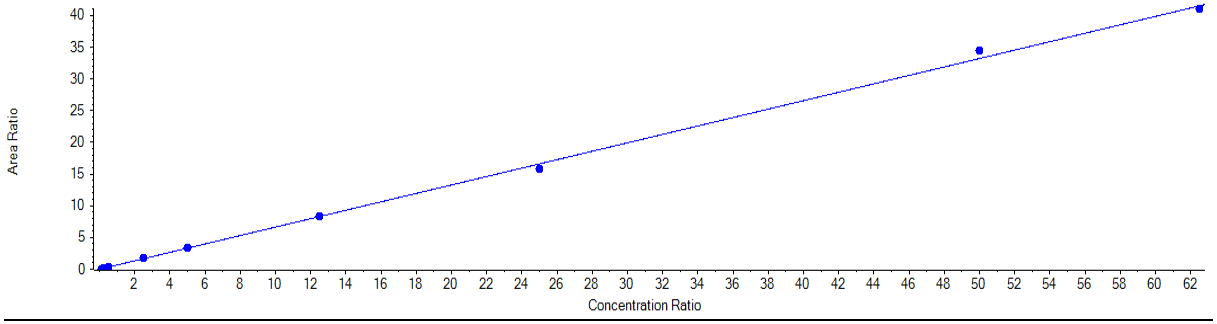
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: PFTrDA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 5.03 | 312100 | 19883 | 0.096 | 95.9 | 0.796 | 369 | True | 0.97 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 5.02 | 322700 | 40928 | 0.191 | 95.5 | 0.793 | 806 | True | 1.17 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 5.04 | 329000 | 107187 | 0.491 | 98.1 | 0.814 | 1986 | True | 1.00 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 5.03 | 307100 | 565040 | 2.771 | 110.8 | 0.920 | 10830 | True | 1.15 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 5.03 | 339900 | 1143113 | 5.064 | 101.3 | 0.841 | 21144 | True | 1.30 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 5.02 | 300000 | 2502695 | 12.561 | 100.5 | 0.834 | 11020 | True | 0.88 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 5.02 | 313900 | 4971702 | 23.851 | 95.4 | 0.792 | 26308 | True | 0.90 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 5.04 | 301000 | 10358401 | 51.821 | 103.6 | 0.860 | 35069 | True | 1.08 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 5.03 | 305900 | 12552333 | 61.790 | 98.9 | 0.821 | 24769 | True | 1.16 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

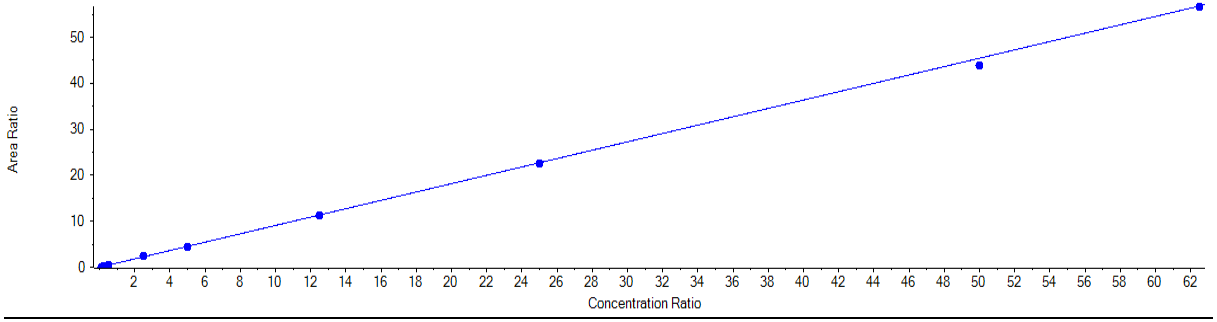
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: PFTeDA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 5.39 | 200800 | 16734 | 0.092 | 91.7 | 1.042 | 447 | True | 0.82 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 5.40 | 209300 | 39104 | 0.205 | 102.7 | 1.168 | 1118 | True | 1.08 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 5.40 | 208500 | 97120 | 0.512 | 102.5 | 1.165 | 2732 | True | 1.25 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 5.40 | 195400 | 482581 | 2.717 | 108.7 | 1.235 | 3421 | True | 1.11 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 5.40 | 227900 | 1015779 | 4.903 | 98.1 | 1.115 | 9919 | True | 1.01 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 5.39 | 185600 | 2116245 | 12.538 | 100.3 | 1.140 | 7482 | True | 0.85 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 5.39 | 197400 | 4474053 | 24.931 | 99.7 | 1.133 | 13495 | True | 1.25 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 5.41 | 209000 | 9185109 | 48.341 | 96.7 | 1.099 | 12757 | True | 0.84 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 5.40 | 201100 | 11389632 | 62.294 | 99.7 | 1.133 | 11542 | True | 0.97 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

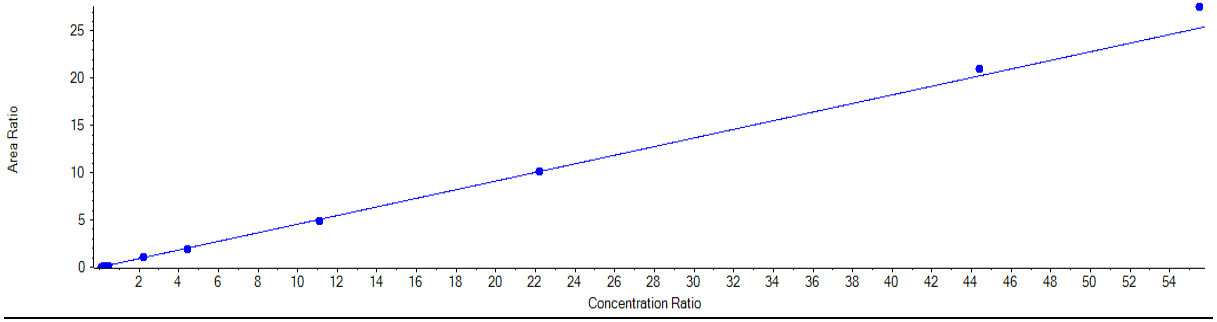
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: PFBS

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 1.92 | 358800 | 15126 | 0.092 | 103.9 | 1.104 | 184 | True | 1.14 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 1.92 | 374600 | 28184 | 0.165 | 92.7 | 0.985 | 338 | True | 0.95 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 1.93 | 400500 | 71222 | 0.390 | 87.8 | 0.933 | 807 | True | 1.09 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 1.92 | 337300 | 375073 | 2.439 | 109.9 | 1.167 | 2212 | True | 1.37 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 1.93 | 383300 | 743303 | 4.253 | 95.8 | 1.018 | 2670 | True | 1.12 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 1.92 | 337100 | 1652384 | 10.752 | 96.9 | 1.029 | 5427 | True | 0.99 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 1.92 | 336600 | 3430735 | 22.354 | 100.7 | 1.070 | 6765 | True | 0.98 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 1.93 | 307600 | 6442266 | 45.942 | 103.5 | 1.099 | 5415 | True | 1.11 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 1.92 | 288900 | 7957403 | 60.419 | 108.9 | 1.156 | 6795 | True | 0.95 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

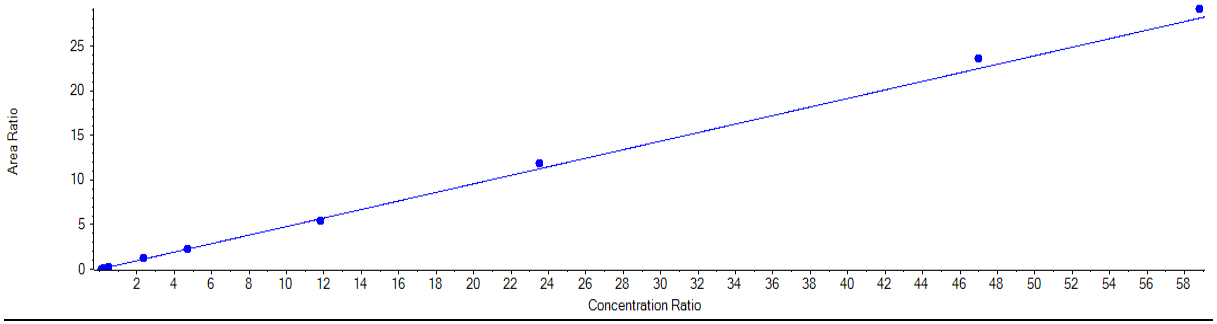
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: PFPeS

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 2.56 | 337200 | 12916 | 0.080 | 85.2 | 0.966 | 141 | True | 1.35 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 2.56 | 326800 | 28269 | 0.181 | 96.2 | 1.090 | 310 | True | 1.03 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 2.57 | 318800 | 71445 | 0.468 | 99.6 | 1.130 | 808 | True | 1.04 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 2.56 | 305000 | 376998 | 2.583 | 109.9 | 1.247 | 2993 | True | 1.07 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 2.57 | 341500 | 763378 | 4.671 | 99.4 | 1.127 | 4626 | True | 1.25 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 2.56 | 310400 | 1674196 | 11.271 | 95.5 | 1.083 | 5108 | True | 0.99 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 2.56 | 294900 | 3500458 | 24.807 | 105.6 | 1.197 | 7261 | True | 1.00 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 2.57 | 300900 | 7099834 | 49.314 | 104.9 | 1.190 | 7981 | True | 1.19 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 2.56 | 287300 | 8382252 | 60.984 | 103.7 | 1.176 | 88545 | True | 1.12 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

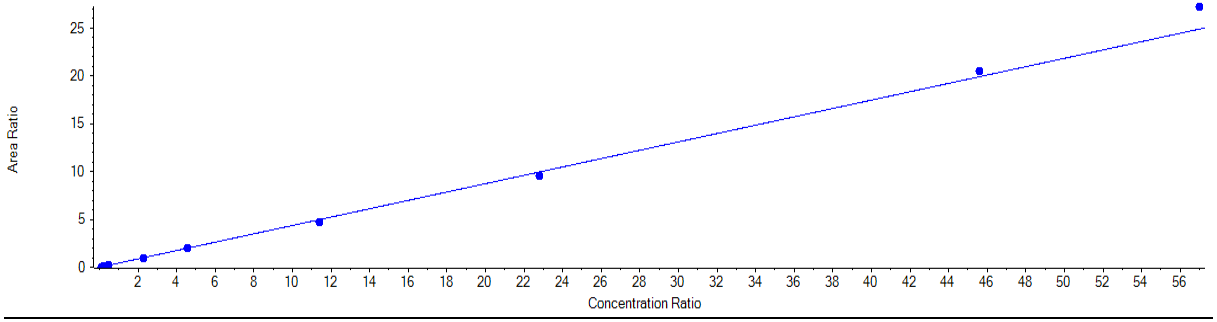
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: PFHxS

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 3.09 | 337200 | 14015 | 0.095 | 104.5 | 1.082 | 142 | True | 0.22 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 3.09 | 326800 | 26461 | 0.185 | 101.8 | 1.054 | 281 | True | 0.20 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 3.10 | 318800 | 58304 | 0.418 | 91.8 | 0.950 | 541 | True | 0.24 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 3.09 | 305000 | 305154 | 2.290 | 100.4 | 1.040 | 971 | True | 0.18 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 3.10 | 341500 | 666792 | 4.468 | 98.0 | 1.015 | 1292 | True | 0.20 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 3.09 | 310400 | 1468749 | 10.827 | 95.0 | 0.984 | 1220 | True | 0.18 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 3.09 | 294900 | 2820486 | 21.887 | 96.0 | 0.994 | 1172 | True | 0.18 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 3.10 | 300900 | 6188572 | 47.066 | 103.2 | 1.069 | 1374 | True | 0.19 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 3.10 | 287300 | 7822638 | 62.317 | 109.3 | 1.132 | 1154 | True | 0.20 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

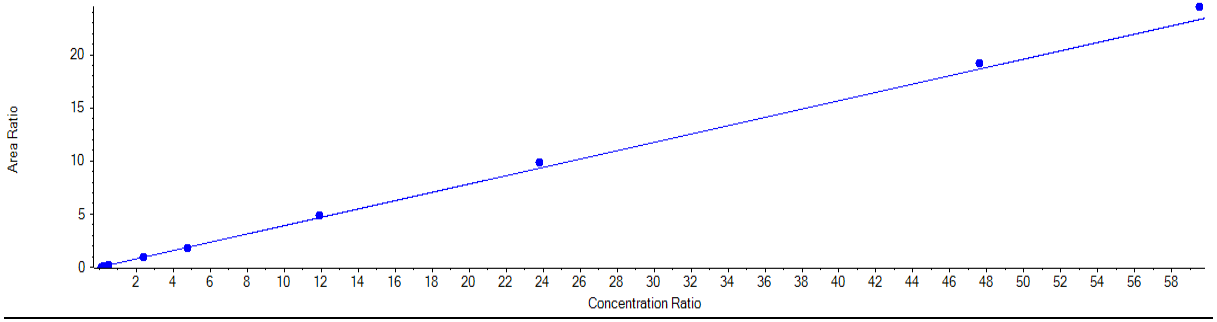
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: PFHpS

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 3.56 | 369000 | 12571 | 0.087 | 91.5 | 0.861 | 133 | True | 1.13 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 3.57 | 373100 | 25660 | 0.176 | 92.4 | 0.869 | 276 | True | 1.18 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 3.57 | 351800 | 63766 | 0.463 | 97.2 | 0.914 | 682 | True | 1.33 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 3.56 | 335500 | 319049 | 2.426 | 101.9 | 0.959 | 3475 | True | 0.93 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 3.57 | 376000 | 684345 | 4.644 | 97.6 | 0.918 | 7425 | True | 0.92 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 3.56 | 319000 | 1564690 | 12.517 | 105.2 | 0.989 | 6243 | True | 1.05 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 3.56 | 317900 | 3139370 | 25.199 | 105.9 | 0.996 | 7089 | True | 1.13 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 3.58 | 334800 | 6448557 | 49.150 | 103.3 | 0.971 | 12200 | True | 0.85 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 3.57 | 318900 | 7818754 | 62.558 | 105.1 | 0.989 | 9181 | True | 0.89 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

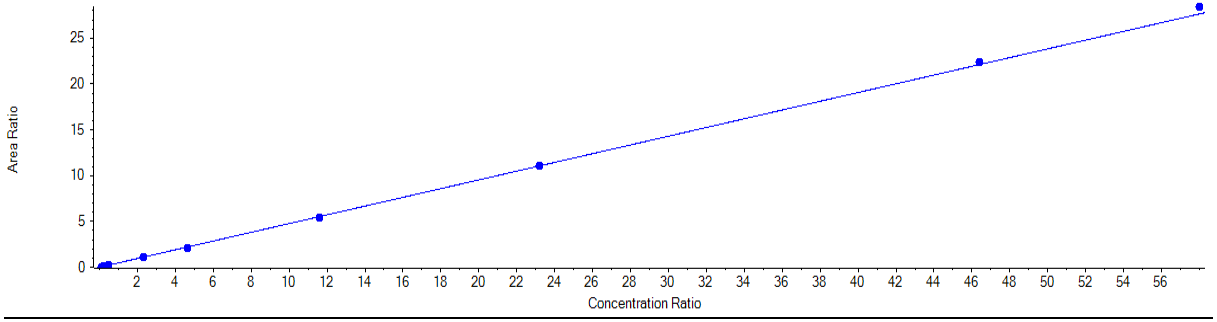
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: PFOS

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 4.00 | 369000 | 18519 | 0.105 | 113.2 | 1.295 | 84 | True | 0.16 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 4.00 | 373100 | 31827 | 0.179 | 96.2 | 1.101 | 251 | True | 0.14 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 4.01 | 351800 | 74213 | 0.443 | 95.4 | 1.091 | 292 | True | 0.16 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 4.00 | 335500 | 364503 | 2.279 | 98.2 | 1.124 | 531 | True | 0.17 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 4.01 | 376000 | 789631 | 4.406 | 95.0 | 1.086 | 525 | True | 0.14 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 4.00 | 319000 | 1724874 | 11.344 | 97.8 | 1.119 | 593 | True | 0.15 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 4.00 | 317900 | 3530703 | 23.299 | 100.4 | 1.149 | 630 | True | 0.16 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 4.01 | 334800 | 7481587 | 46.880 | 101.0 | 1.156 | 633 | True | 0.17 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 4.01 | 318900 | 9063220 | 59.616 | 102.8 | 1.176 | 599 | True | 0.17 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

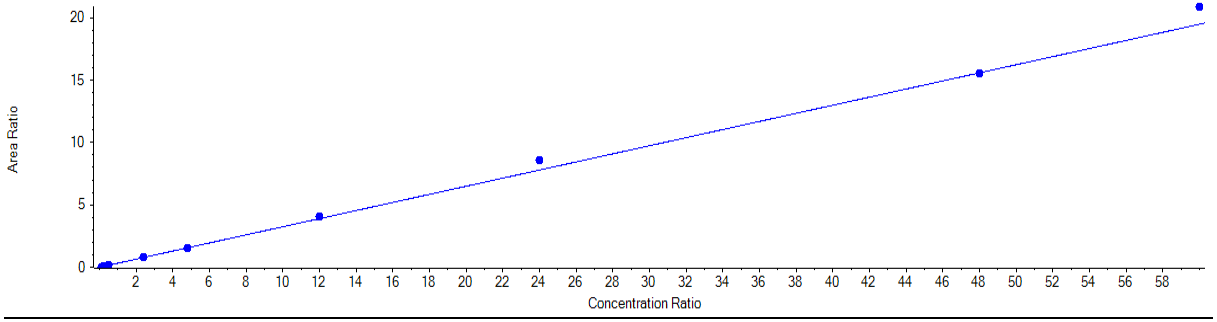
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: PFNS

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 4.41 | 369000 | 9312 | 0.078 | 81.0 | 0.631 | 121 | True | 0.84 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 4.41 | 373100 | 21727 | 0.179 | 93.5 | 0.728 | 278 | True | 1.21 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 4.42 | 351800 | 55507 | 0.486 | 101.3 | 0.789 | 732 | True | 0.94 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 4.41 | 335500 | 279311 | 2.565 | 106.9 | 0.832 | 3270 | True | 1.06 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 4.42 | 376000 | 568907 | 4.662 | 97.1 | 0.757 | 7426 | True | 0.84 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 4.41 | 319000 | 1286807 | 12.429 | 103.6 | 0.807 | 7699 | True | 1.23 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 4.41 | 317900 | 2718126 | 26.345 | 109.8 | 0.855 | 6700 | True | 0.91 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 4.43 | 334800 | 5205066 | 47.903 | 99.8 | 0.777 | 64649 | True | 1.09 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 4.42 | 318900 | 6654625 | 64.290 | 107.2 | 0.835 | 7089 | True | 1.13 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

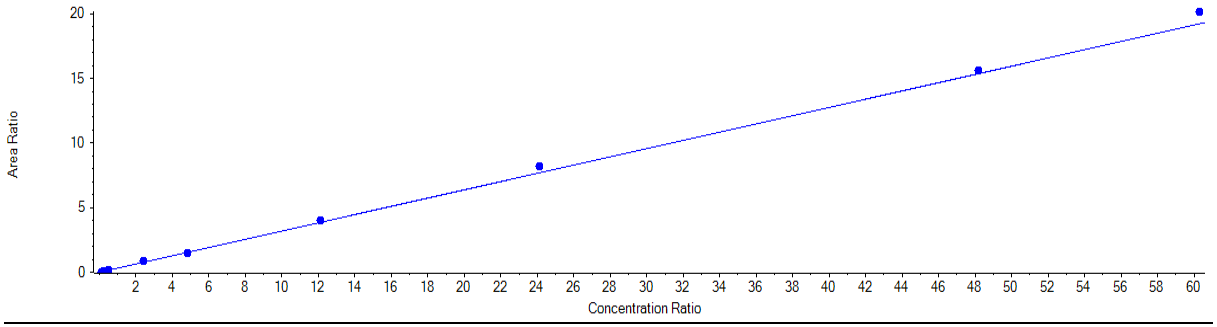
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: PFDS

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 4.81 | 369000 | 10126 | 0.086 | 89.7 | 0.686 | 175 | True | 0.82 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 4.81 | 373100 | 19910 | 0.167 | 86.7 | 0.664 | 378 | True | 0.92 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 4.82 | 351800 | 54400 | 0.485 | 100.6 | 0.770 | 969 | True | 1.12 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 4.81 | 335500 | 281780 | 2.633 | 109.3 | 0.836 | 5121 | True | 0.88 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 4.82 | 376000 | 567545 | 4.734 | 98.2 | 0.752 | 5534 | True | 1.08 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 4.80 | 319000 | 1268050 | 12.467 | 103.0 | 0.789 | 23159 | True | 0.93 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 4.80 | 317900 | 2594683 | 25.598 | 106.2 | 0.813 | 46801 | True | 1.05 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 4.82 | 334800 | 5221579 | 48.915 | 101.5 | 0.777 | 92232 | True | 0.95 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 4.81 | 318900 | 6425873 | 63.191 | 104.8 | 0.802 | 111590 | True | 0.96 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

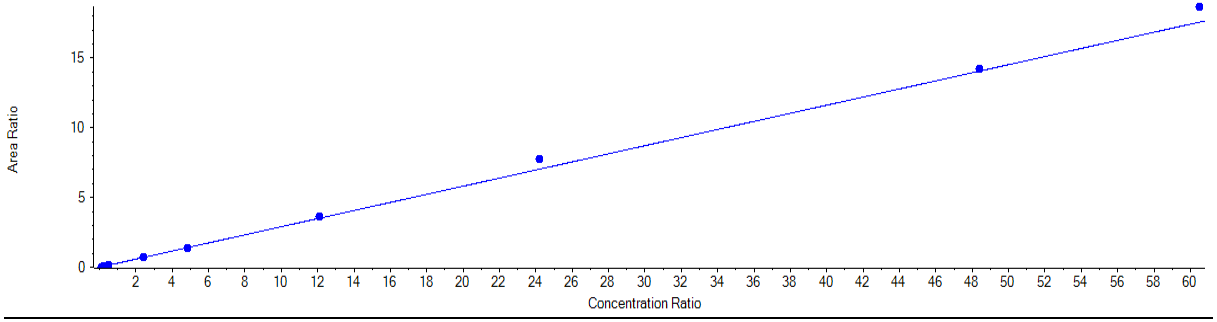
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: PFDoS

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 5.55 | 369000 | 8920 | 0.083 | 85.8 | 0.598 | 311 | True | 0.78 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 5.55 | 373100 | 19036 | 0.176 | 90.5 | 0.631 | 637 | True | 1.17 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 5.56 | 351800 | 48558 | 0.475 | 98.2 | 0.684 | 1628 | True | 0.72 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 5.55 | 335500 | 250510 | 2.570 | 106.2 | 0.740 | 4771 | True | 1.25 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 5.56 | 376000 | 520719 | 4.767 | 98.5 | 0.687 | 7819 | True | 1.00 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 5.55 | 319000 | 1153280 | 12.445 | 102.9 | 0.717 | 16086 | True | 1.00 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 5.55 | 317900 | 2467934 | 26.723 | 110.4 | 0.770 | 34441 | True | 0.89 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 5.56 | 334800 | 4770330 | 49.048 | 101.3 | 0.707 | 25340 | True | 0.88 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 5.56 | 318900 | 5954134 | 64.265 | 106.2 | 0.741 | 22934 | True | 0.96 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

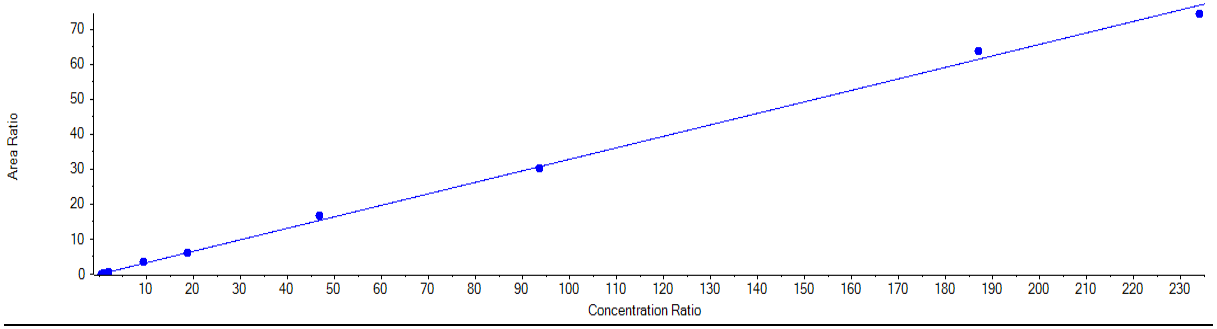
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: 4:2FTS

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 1.71 | 101000 | 10859 | 0.328 | 87.3 | 1.344 | 210 | True | 0.98 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 1.71 | 102700 | 24433 | 0.725 | 96.7 | 1.488 | 487 | True | 1.15 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 1.72 | 102800 | 60344 | 1.788 | 95.6 | 1.472 | 1174 | True | 1.21 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 1.71 | 97210 | 331902 | 10.404 | 111.0 | 1.709 | 6496 | True | 1.00 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 1.72 | 106800 | 667760 | 19.061 | 101.9 | 1.569 | 13346 | True | 1.20 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 1.71 | 93290 | 1557181 | 50.865 | 108.5 | 1.669 | 30838 | True | 1.16 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 1.71 | 105200 | 3184094 | 92.227 | 98.4 | 1.515 | 62748 | True | 1.13 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 1.73 | 104700 | 6660449 | 193.838 | 103.7 | 1.595 | 7948 | True | 1.11 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 1.72 | 110900 | 8244658 | 226.547 | 96.8 | 1.490 | 160505 | True | 1.06 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

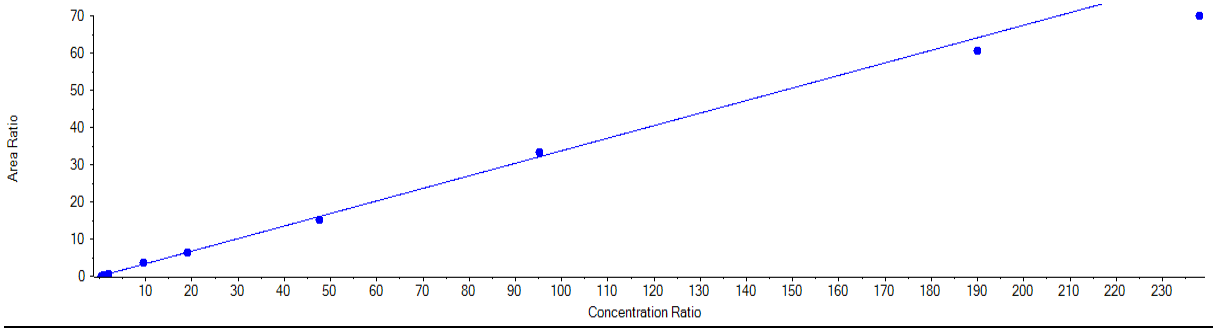
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: 6:2FTS

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 2.80 | 84760 | 10691 | 0.373 | 98.2 | 1.580 | 97 | True | 1.23 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 2.80 | 87050 | 23022 | 0.783 | 102.8 | 1.654 | 286 | True | 1.29 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 2.81 | 84550 | 56508 | 1.978 | 104.1 | 1.674 | 641 | True | 1.13 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 2.80 | 80790 | 303189 | 11.105 | 116.8 | 1.878 | 3053 | True | 1.20 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 2.81 | 98260 | 613808 | 18.486 | 97.3 | 1.565 | 7020 | True | 0.89 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 2.80 | 86620 | 1324969 | 45.265 | 95.1 | 1.530 | 5350 | True | 1.16 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 2.80 | 87390 | 2925605 | 99.064 | 104.2 | 1.676 | 6292 | True | 1.09 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 2.81 | 98170 | 5948441 | 179.300 | 94.4 | 1.518 | 69345 | True | 1.33 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 2.81 | 101700 | 7131070 | 207.429 | 87.2 | 1.402 | 7253 | True | 1.21 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

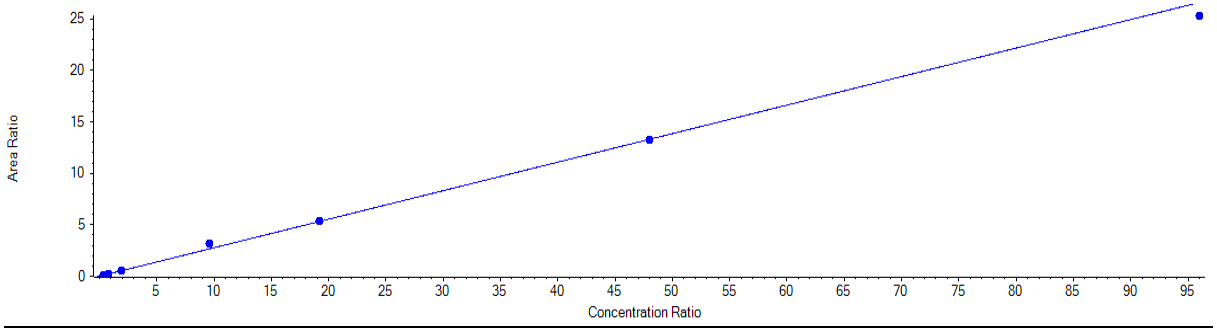
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: 8:2FTS

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 3.67 | 73780 | 7732 | 0.378 | 98.4 | 1.310 | 103 | True | 1.12 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 3.67 | 95340 | 16762 | 0.634 | 82.6 | 1.099 | 185 | True | 1.40 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 3.68 | 90240 | 49749 | 1.989 | 103.6 | 1.378 | 559 | True | 0.88 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 3.67 | 76510 | 245593 | 11.579 | 120.6 | 1.605 | 2776 | True | 1.23 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 3.67 | 95060 | 505170 | 19.170 | 99.9 | 1.329 | 5674 | True | 1.39 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 3.66 | 81900 | 1088274 | 47.930 | 99.9 | 1.329 | 6069 | True | 0.92 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 3.66 | 93680 | 2370696 | 91.288 | 95.1 | 1.265 | 7718 | True | 1.01 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | N/A | 109700 | N/A | N/A | N/A | N/A | N/A | False | N/A |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | N/A | 103400 | N/A | N/A | N/A | N/A | N/A | False | N/A |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

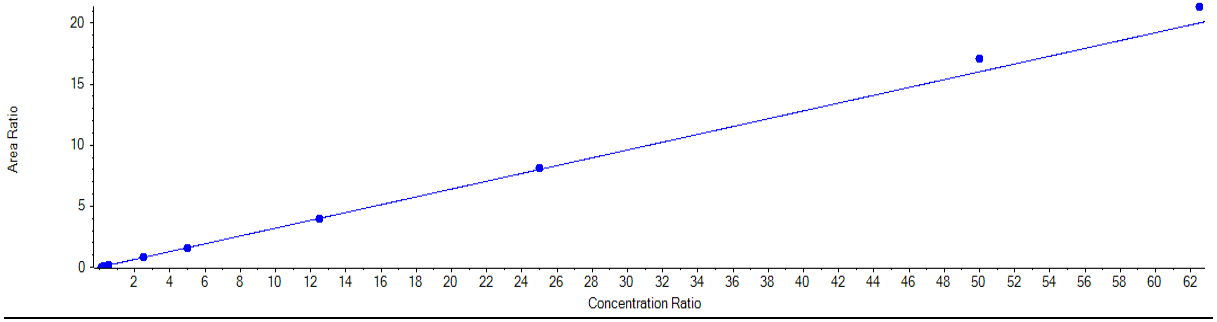
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: PFOSA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 5.23 | 566100 | 17024 | 0.094 | 93.9 | 0.752 | 270 | True | 0.19 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 5.23 | 603800 | 36171 | 0.187 | 93.5 | 0.749 | 391 | True | 0.17 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 5.25 | 604500 | 92361 | 0.477 | 95.4 | 0.764 | 381 | True | 0.19 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 5.24 | 547500 | 453787 | 2.588 | 103.5 | 0.829 | 370 | True | 0.17 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 5.24 | 606000 | 956494 | 4.928 | 98.6 | 0.789 | 352 | True | 0.18 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 5.23 | 534000 | 2139399 | 12.508 | 100.1 | 0.801 | 353 | True | 0.16 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 5.23 | 553200 | 4520171 | 25.508 | 102.0 | 0.817 | 385 | True | 0.15 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 5.25 | 560100 | 9546074 | 53.215 | 106.4 | 0.852 | 362 | True | 0.17 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 5.24 | 543900 | 11605870 | 66.620 | 106.6 | 0.854 | 365 | True | 0.19 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

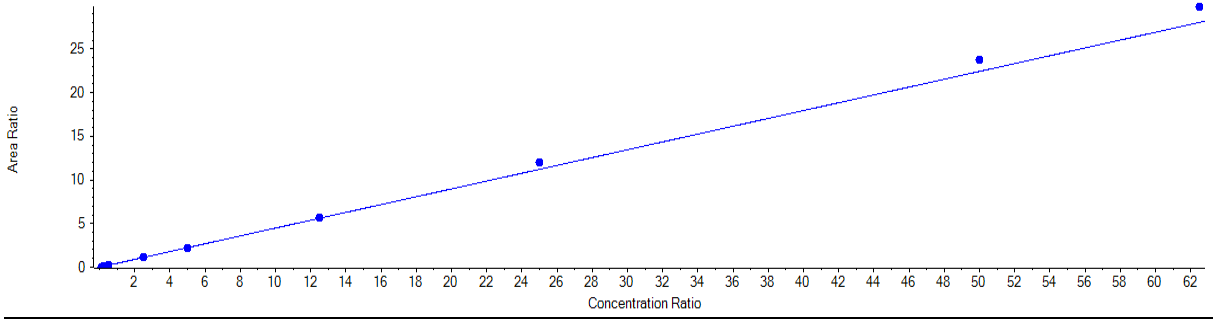
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: NMeFOSA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 5.97 | 101000 | 4334 | 0.096 | 95.7 | 1.073 | 101 | True | 0.21 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 5.97 | 110700 | 8760 | 0.177 | 88.3 | 0.989 | 141 | True | 0.19 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 5.98 | 105900 | 21343 | 0.450 | 89.9 | 1.008 | 210 | True | 0.18 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 5.98 | 98730 | 116243 | 2.626 | 105.0 | 1.177 | 465 | True | 0.19 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 5.98 | 112400 | 250084 | 4.963 | 99.3 | 1.113 | 336 | True | 0.16 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 5.97 | 94720 | 541857 | 12.759 | 102.1 | 1.144 | 355 | True | 0.16 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 5.97 | 96290 | 1158854 | 26.842 | 107.4 | 1.203 | 330 | True | 0.17 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 5.99 | 102600 | 2438874 | 52.996 | 106.0 | 1.188 | 333 | True | 0.16 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 5.98 | 100800 | 3004999 | 66.481 | 106.4 | 1.192 | 342 | True | 0.17 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

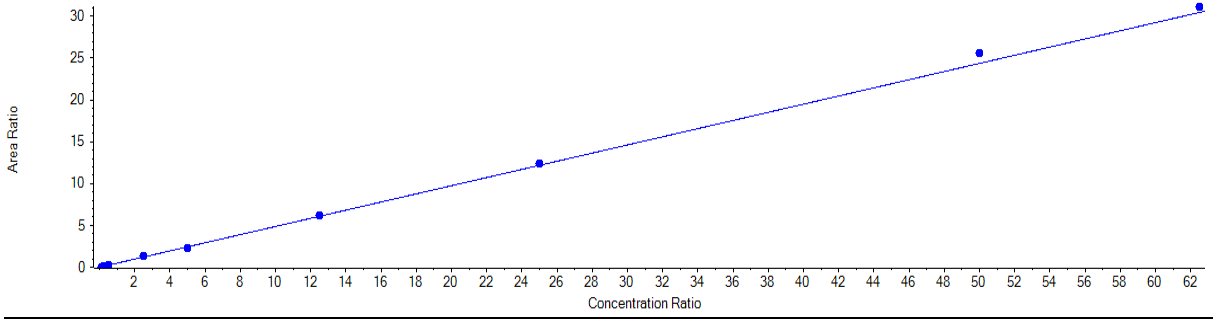
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: NEtFOSA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 6.27 | 92410 | 4656 | 0.103 | 103.4 | 1.260 | 130 | True | 0.14 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 6.27 | 99230 | 8995 | 0.186 | 93.0 | 1.133 | 230 | True | 0.17 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 6.28 | 95910 | 21494 | 0.460 | 92.0 | 1.120 | 403 | True | 0.17 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 6.27 | 87780 | 115462 | 2.699 | 108.0 | 1.315 | 671 | True | 0.18 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 6.27 | 102800 | 235607 | 4.701 | 94.0 | 1.145 | 685 | True | 0.17 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 6.27 | 86790 | 532096 | 12.580 | 100.6 | 1.226 | 737 | True | 0.19 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 6.27 | 89690 | 1109116 | 25.375 | 101.5 | 1.237 | 680 | True | 0.19 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 6.28 | 91350 | 2344301 | 52.660 | 105.3 | 1.283 | 702 | True | 0.16 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 6.28 | 94060 | 2927446 | 63.867 | 102.2 | 1.245 | 707 | True | 0.16 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

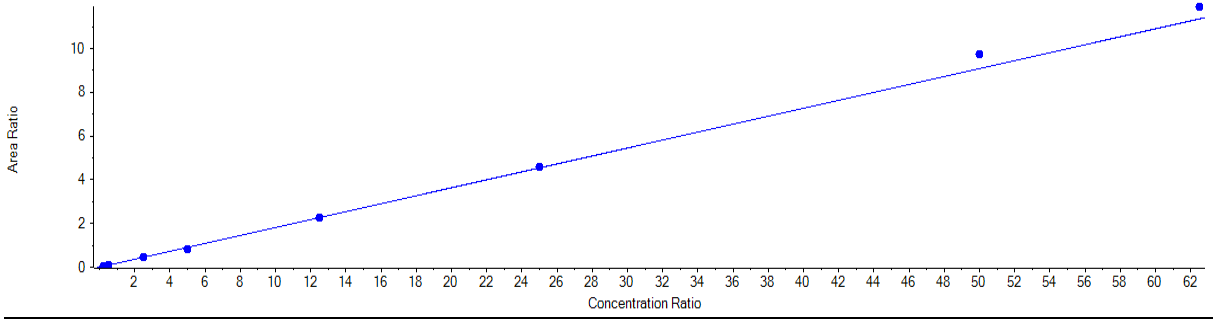
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: NMeFOSAA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | N/A | N/A | N/A | N/A | N/A | N/A | N/A | False | N/A |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 3.98 | 146500 | 4800 | 0.180 | 90.1 | 0.819 | 37 | True | 0.29 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 3.99 | 149200 | 13391 | 0.494 | 98.7 | 0.898 | 91 | True | 0.24 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 3.98 | 132600 | 63717 | 2.644 | 105.8 | 0.961 | 429 | True | 0.31 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 3.99 | 173200 | 145585 | 4.623 | 92.5 | 0.840 | 709 | True | 0.36 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 3.97 | 128000 | 291267 | 12.512 | 100.1 | 0.910 | 720 | True | 0.35 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 3.98 | 136000 | 622923 | 25.201 | 100.8 | 0.916 | 824 | True | 0.31 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 3.99 | 132300 | 1289199 | 53.596 | 107.2 | 0.974 | 665 | True | 0.31 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 3.98 | 130500 | 1555100 | 65.527 | 104.8 | 0.953 | 652 | True | 0.31 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

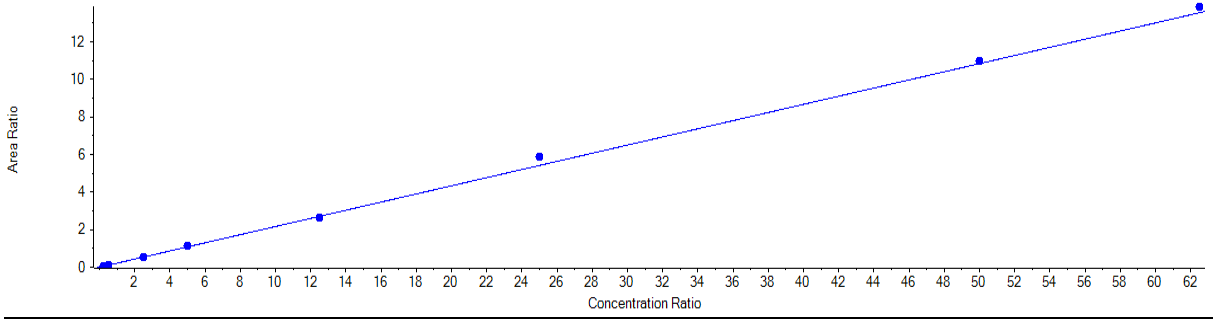
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: NEtFOSAA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | N/A | N/A | N/A | N/A | N/A | N/A | N/A | False | N/A |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 4.19 | 117500 | 4868 | 0.191 | 95.5 | 1.035 | 41 | True | 0.13 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 4.20 | 114500 | 11391 | 0.459 | 91.8 | 0.995 | 98 | True | 1.02 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 4.19 | 108900 | 59240 | 2.509 | 100.4 | 1.088 | 462 | True | 0.17 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 4.20 | 117300 | 132430 | 5.207 | 104.1 | 1.129 | 463 | True | 0.19 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 4.19 | 105300 | 275571 | 12.075 | 96.6 | 1.047 | 668 | True | 0.30 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 4.19 | 108800 | 637334 | 27.008 | 108.0 | 1.171 | 695 | True | 1.02 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 4.20 | 116100 | 1274167 | 50.631 | 101.3 | 1.098 | 605 | True | 1.14 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 4.20 | 113200 | 1569102 | 63.940 | 102.3 | 1.109 | 530 | True | 0.28 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

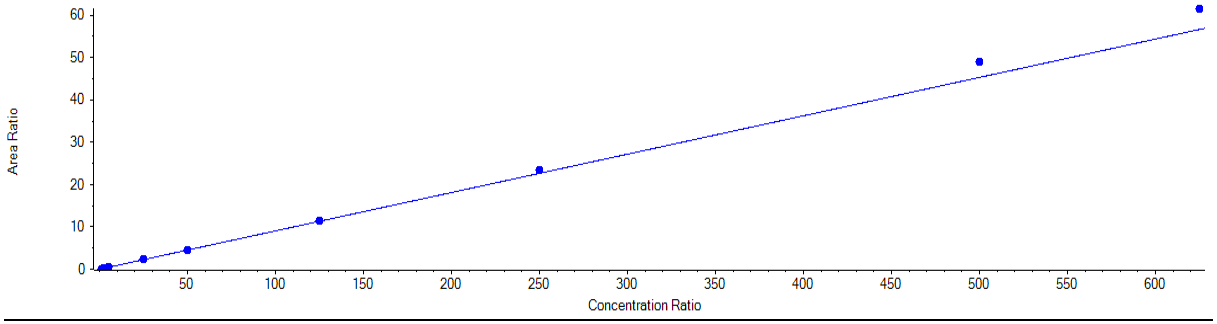
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: NMeFOSE

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 5.84 | 715500 | 60101 | 0.927 | 92.7 | 2.100 | 173 | True | 0.19 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 5.84 | 779200 | 127504 | 1.806 | 90.3 | 2.045 | 218 | True | 0.15 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 5.85 | 769500 | 320914 | 4.602 | 92.1 | 2.085 | 208 | True | 0.16 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 5.84 | 731200 | 1728162 | 26.082 | 104.3 | 2.364 | 245 | True | 0.17 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 5.85 | 811400 | 3643445 | 49.553 | 99.1 | 2.245 | 247 | True | 0.19 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 5.84 | 692900 | 7981840 | 127.131 | 101.7 | 2.304 | 242 | True | 0.19 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 5.84 | 709600 | 16569436 | 257.678 | 103.1 | 2.335 | 223 | True | 0.15 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 5.85 | 720700 | 35316875 | 540.772 | 108.2 | 2.450 | 235 | True | 0.18 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 5.85 | 710600 | 43701785 | 678.698 | 108.6 | 2.460 | 226 | True | 0.20 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

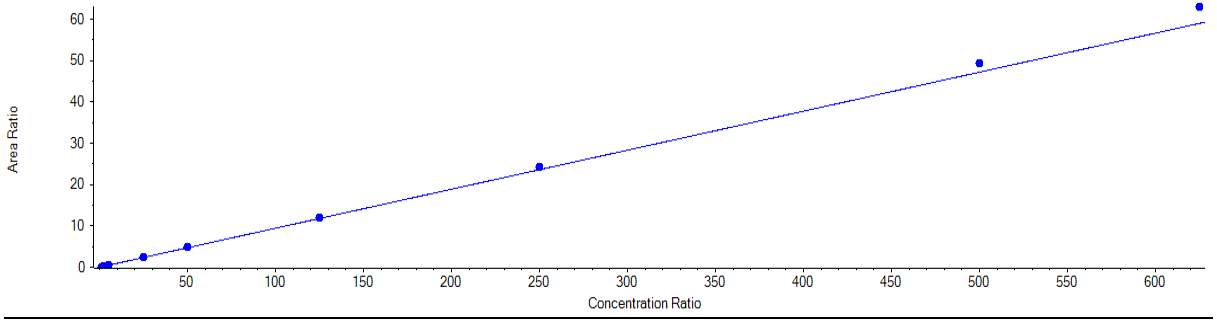
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: NEtFOSE

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 6.14 | 1006000 | 86403 | 0.909 | 90.9 | 2.147 | 274 | True | 0.16 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 6.14 | 1057000 | 177295 | 1.776 | 88.8 | 2.097 | 344 | True | 0.17 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 6.15 | 1054000 | 476061 | 4.780 | 95.6 | 2.258 | 430 | True | 0.14 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 6.14 | 973200 | 2460257 | 26.761 | 107.1 | 2.528 | 425 | True | 0.15 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 6.14 | 1081000 | 5175067 | 50.657 | 101.3 | 2.393 | 450 | True | 0.17 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 6.13 | 927300 | 11142098 | 127.199 | 101.8 | 2.403 | 415 | True | 0.16 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 6.14 | 939600 | 22852970 | 257.471 | 103.0 | 2.432 | 412 | True | 0.16 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 6.15 | 946100 | 46839270 | 524.078 | 104.8 | 2.475 | 380 | True | 0.17 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 6.14 | 936800 | 59054522 | 667.355 | 106.8 | 2.522 | 376 | True | 0.17 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

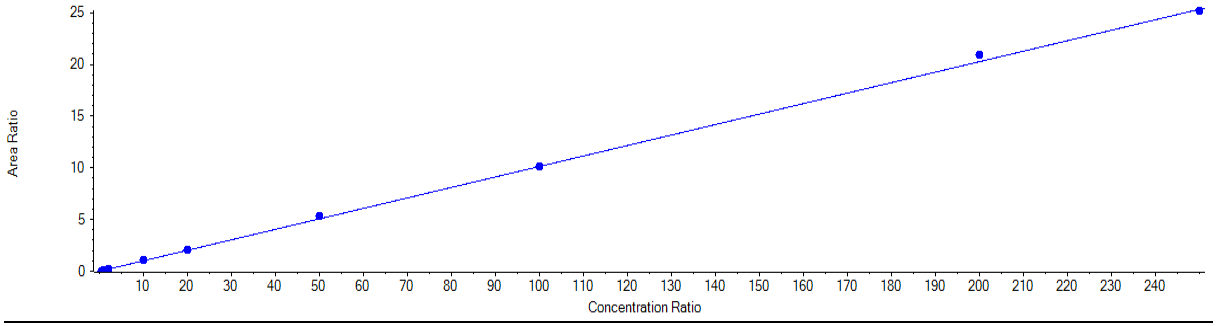
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: HFPO-DA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 2.13 | 1495000 | 54738 | 0.361 | 90.4 | 0.916 | 683 | True | 0.97 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 2.13 | 1527000 | 116681 | 0.754 | 94.3 | 0.955 | 1450 | True | 1.23 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 2.14 | 1484000 | 301471 | 2.005 | 100.2 | 1.016 | 3696 | True | 0.91 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 2.13 | 1484000 | 1572905 | 10.457 | 104.6 | 1.060 | 19174 | True | 1.29 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 2.14 | 1621000 | 3399227 | 20.693 | 103.5 | 1.049 | 4674 | True | 0.88 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 2.13 | 1344000 | 7141362 | 52.425 | 104.9 | 1.063 | 83225 | True | 1.30 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 2.13 | 1378000 | 13910898 | 99.610 | 99.6 | 1.009 | 161897 | True | 1.32 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 2.14 | 1342000 | 28089338 | 206.507 | 103.3 | 1.046 | 328304 | True | 1.33 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 2.14 | 1368000 | 34456419 | 248.491 | 99.4 | 1.007 | 34936 | True | 1.25 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

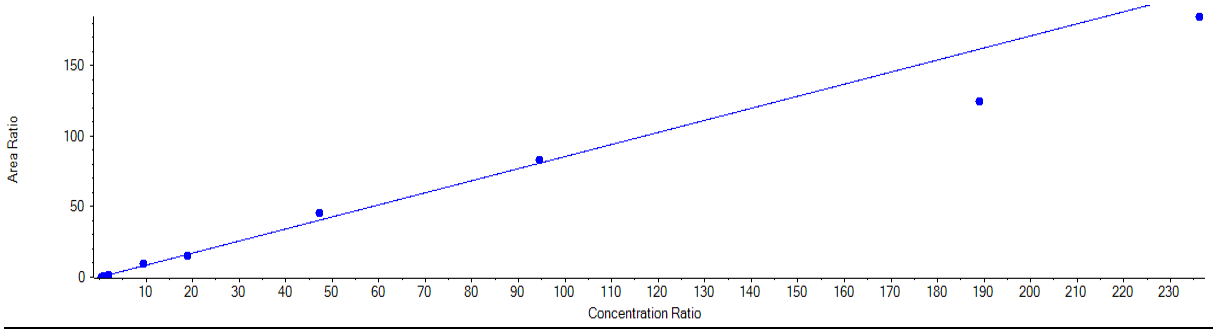
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: ADONA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 2.68 | 334900 | 114160 | 0.398 | 105.4 | 2.255 | 1402 | True | 1.19 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 2.68 | 317100 | 233906 | 0.862 | 114.0 | 2.439 | 1908 | True | 0.89 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 2.69 | 370900 | 524770 | 1.653 | 87.5 | 1.872 | 5597 | True | 1.28 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 2.68 | 318100 | 2939003 | 10.795 | 114.2 | 2.444 | 34049 | True | 0.88 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 2.68 | 383300 | 5884811 | 17.937 | 94.9 | 2.031 | 68492 | True | 1.09 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 2.68 | 284400 | 12920958 | 53.080 | 112.3 | 2.404 | 114841 | True | 0.87 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 2.68 | 310700 | 25930873 | 97.522 | 103.2 | 2.208 | 130003 | True | 0.87 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 2.69 | 335400 | 41854908 | 145.788 | 77.1 | 1.650 | 138565 | True | 0.97 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 2.68 | 318800 | 58871745 | 215.753 | 91.3 | 1.954 | 21919 | True | 1.01 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

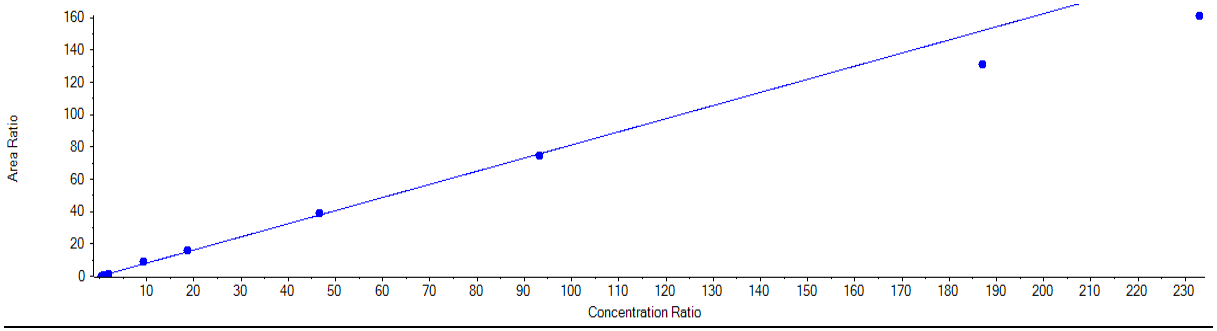
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: 9Cl-PF3ONS

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 4.28 | 369000 | 105849 | 0.353 | 94.7 | 1.846 | 1210 | True | 0.95 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 4.29 | 373100 | 226488 | 0.747 | 100.2 | 1.953 | 2572 | True | 0.79 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 4.29 | 351800 | 588976 | 2.061 | 110.2 | 2.149 | 6890 | True | 0.88 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 4.28 | 335500 | 2946967 | 10.811 | 115.9 | 2.259 | 7228 | True | 1.08 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 4.29 | 376000 | 6032741 | 19.751 | 105.6 | 2.059 | 10343 | True | 1.26 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 4.28 | 319000 | 12541430 | 48.400 | 103.6 | 2.021 | 9178 | True | 1.18 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 4.28 | 317900 | 23659955 | 91.623 | 98.2 | 1.915 | 7680 | True | 0.92 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 4.30 | 334800 | 43985831 | 161.739 | 86.5 | 1.686 | 6379 | True | 1.05 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 4.29 | 318900 | 51374727 | 198.306 | 85.1 | 1.659 | 6318 | True | 1.02 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

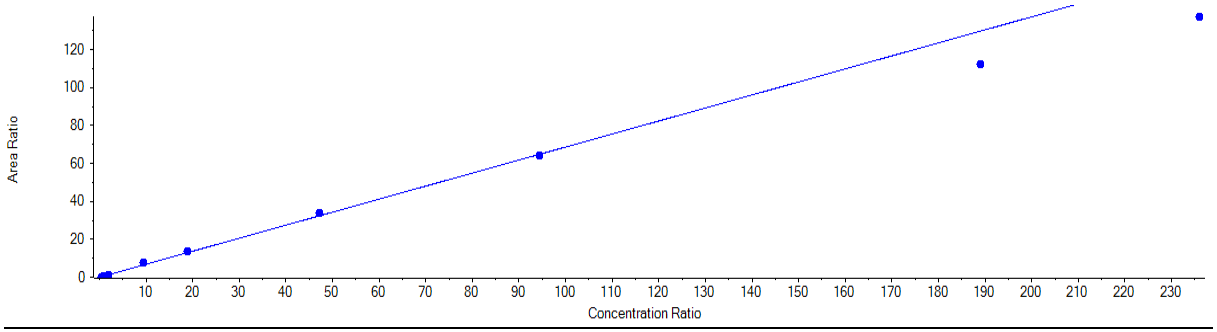
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: 11Cl-PF3OUdS

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 5.07 | 369000 | 91599 | 0.361 | 95.9 | 1.580 | 2098 | True | 1.00 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 5.07 | 373100 | 189028 | 0.738 | 97.8 | 1.613 | 3936 | True | 1.25 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 5.08 | 351800 | 494647 | 2.047 | 108.3 | 1.786 | 3649 | True | 0.95 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 5.07 | 335500 | 2566254 | 11.133 | 118.1 | 1.946 | 8576 | True | 1.27 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 5.08 | 376000 | 5149429 | 19.937 | 105.5 | 1.739 | 9497 | True | 0.79 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 5.07 | 319000 | 10793343 | 49.258 | 104.4 | 1.721 | 7749 | True | 0.98 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 5.07 | 317900 | 20368386 | 93.275 | 98.9 | 1.631 | 6638 | True | 0.99 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 5.08 | 334800 | 37585090 | 163.432 | 86.5 | 1.426 | 790591 | True | 1.00 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 5.08 | 318900 | 43809540 | 199.975 | 84.7 | 1.397 | 894638 | True | 1.19 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

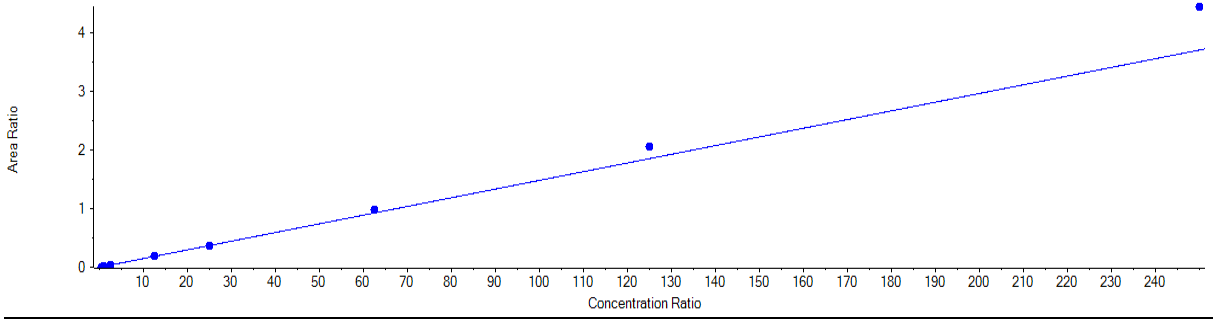
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: 3:3FTCA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 1.56 | 768100 | 5496 | 0.483 | 96.6 | 0.072 | 51 | True | 1.32 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 1.56 | 800800 | 8501 | 0.716 | 71.6 | 0.053 | 79 | True | 1.76 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 1.57 | 779200 | 26619 | 2.305 | 92.2 | 0.068 | 190 | True | 2.09 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 1.56 | 749300 | 143001 | 12.878 | 103.0 | 0.076 | 1126 | True | 1.39 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 1.57 | 815400 | 303513 | 25.115 | 100.5 | 0.074 | 1847 | True | 1.32 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 1.56 | 686600 | 667027 | 65.547 | 104.9 | 0.078 | 2120 | True | 1.59 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 1.57 | 685900 | 1415043 | 139.211 | 111.4 | 0.083 | 3071 | True | 1.41 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 1.58 | 660500 | 2933501 | 299.691 | 119.9 | 0.089 | 3258 | True | 1.25 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | N/A | 629300 | N/A | N/A | N/A | N/A | N/A | False | N/A |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

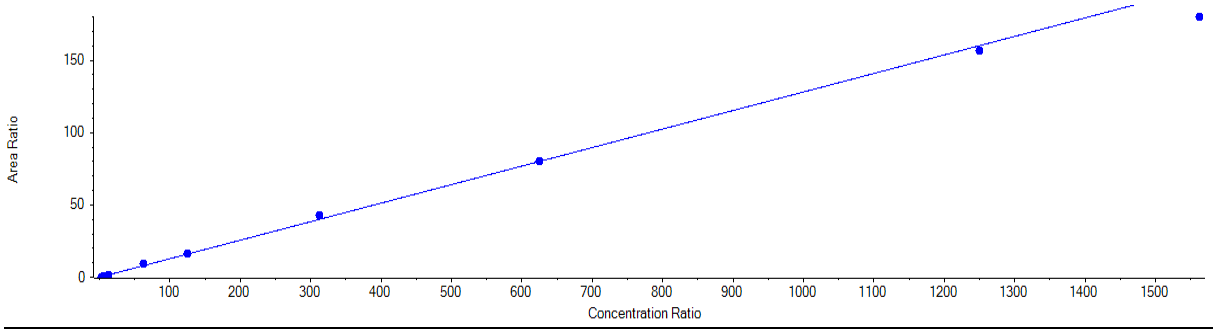
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: 5:3FTCA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 3.03 | 341100 | 101733 | 2.329 | 93.2 | 0.298 | 1108 | True | 1.20 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 3.03 | 402500 | 229481 | 4.451 | 89.0 | 0.285 | 2534 | True | 1.01 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 3.04 | 359800 | 610827 | 13.255 | 106.0 | 0.340 | 6860 | True | 1.37 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 3.03 | 337900 | 3069698 | 70.916 | 113.5 | 0.363 | 16792 | True | 0.96 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 3.04 | 373200 | 6094534 | 127.497 | 102.0 | 0.327 | 17755 | True | 1.19 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 3.03 | 307600 | 13302452 | 337.637 | 108.0 | 0.346 | 118744 | True | 0.98 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 3.03 | 319800 | 25694766 | 627.339 | 100.4 | 0.321 | 260744 | True | 0.98 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 3.04 | 307400 | 48209215 | 1224.387 | 98.0 | 0.314 | 30155 | True | 1.07 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 3.04 | 333700 | 60070838 | 1405.496 | 90.0 | 0.288 | 30242 | True | 1.16 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

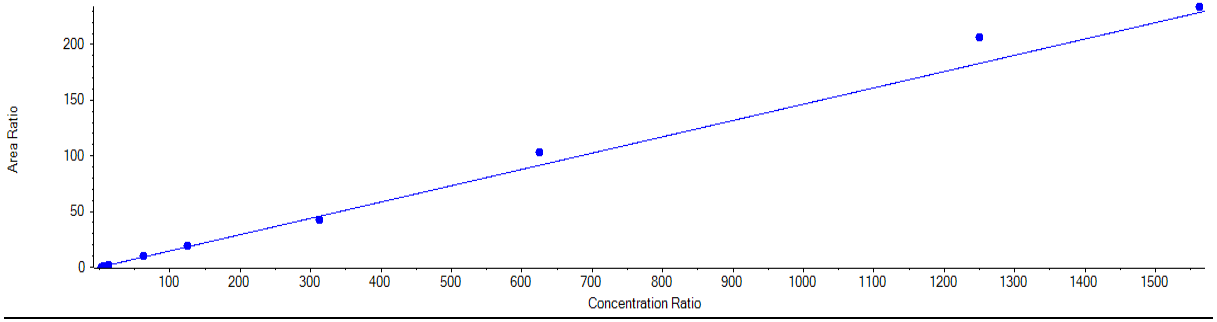
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: 7:3FTCA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 4.06 | 243800 | 83626 | 2.343 | 93.7 | 0.171 | 1120 | True | 1.07 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 4.06 | 282300 | 175038 | 4.235 | 84.7 | 0.155 | 2130 | True | 1.05 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 4.07 | 273600 | 453957 | 11.334 | 90.7 | 0.166 | 5803 | True | 1.18 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 4.06 | 251700 | 2437617 | 66.149 | 105.8 | 0.194 | 27616 | True | 1.31 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 4.07 | 267500 | 5129873 | 130.975 | 104.8 | 0.192 | 25114 | True | 0.98 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 4.05 | 269400 | 11466526 | 290.703 | 93.0 | 0.170 | 147852 | True | 1.06 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 4.06 | 239900 | 24676376 | 702.540 | 112.4 | 0.206 | 30005 | True | 1.26 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 4.07 | 234300 | 48312405 | 1408.433 | 112.7 | 0.206 | 36510 | True | 1.30 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 4.06 | 246800 | 57706533 | 1596.892 | 102.2 | 0.187 | 22433 | True | 1.36 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

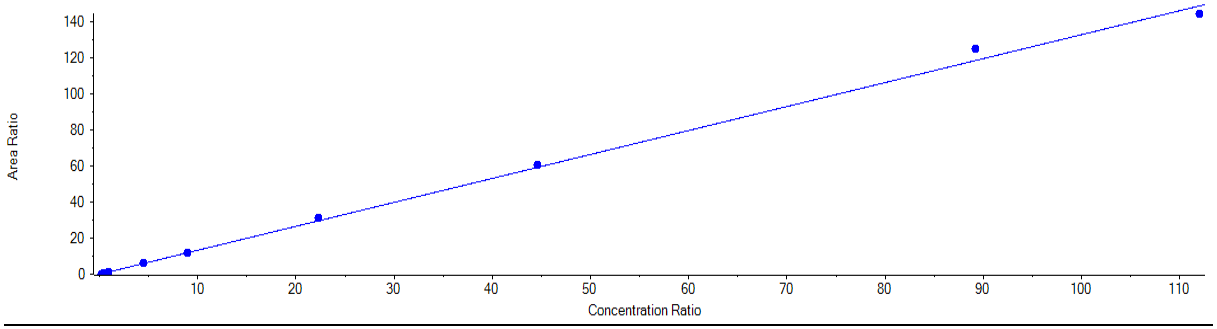
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: PFEESA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 2.22 | 341100 | 77148 | 0.170 | 95.5 | 3.177 | 889 | True | 1.06 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 2.22 | 402500 | 156562 | 0.292 | 81.9 | 2.724 | 1749 | True | 1.34 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 2.23 | 359800 | 452001 | 0.944 | 105.8 | 3.521 | 5182 | True | 1.00 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 2.22 | 337900 | 2143172 | 4.764 | 106.8 | 3.555 | 7787 | True | 0.88 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 2.23 | 373200 | 4413745 | 8.885 | 99.6 | 3.315 | 50698 | True | 0.94 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 2.22 | 307600 | 9656667 | 23.584 | 105.8 | 3.520 | 8576 | True | 1.37 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 2.22 | 319800 | 19431116 | 45.649 | 102.4 | 3.406 | 9069 | True | 1.37 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 2.24 | 307400 | 38438538 | 93.936 | 105.3 | 3.505 | 420262 | True | 1.35 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 2.23 | 333700 | 48272608 | 108.678 | 97.0 | 3.229 | 8045 | True | 1.32 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

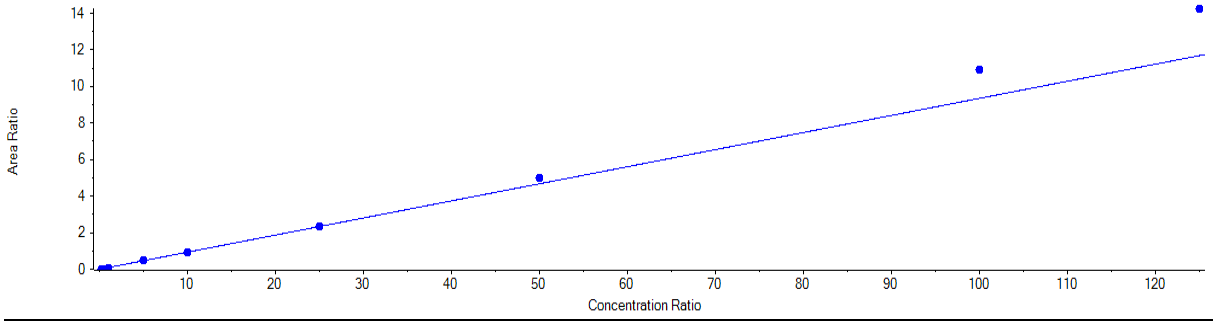
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: PFMPA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 0.75 | 1783000 | 28899 | 0.173 | 86.7 | 0.810 | 1475 | True | 1.44 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 0.75 | 1947000 | 59828 | 0.329 | 82.2 | 0.768 | 2612 | True | 1.19 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 0.76 | 1892000 | 154033 | 0.871 | 87.1 | 0.814 | 3765 | True | 1.32 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 0.75 | 1734000 | 834661 | 5.149 | 103.0 | 0.963 | 9747 | True | 1.53 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 0.76 | 1893000 | 1710204 | 9.664 | 96.6 | 0.903 | 11270 | True | 1.30 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 0.75 | 1539000 | 3563990 | 24.775 | 99.1 | 0.926 | 25560 | True | 1.16 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 0.75 | 1447000 | 7200947 | 53.220 | 106.4 | 0.995 | 30762 | True | 1.33 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 0.76 | 1281000 | 14008445 | 117.007 | 117.0 | 1.094 | 26984 | True | 1.01 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 0.76 | 1226000 | 17466472 | 152.354 | 121.9 | 1.139 | 30658 | True | 1.45 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

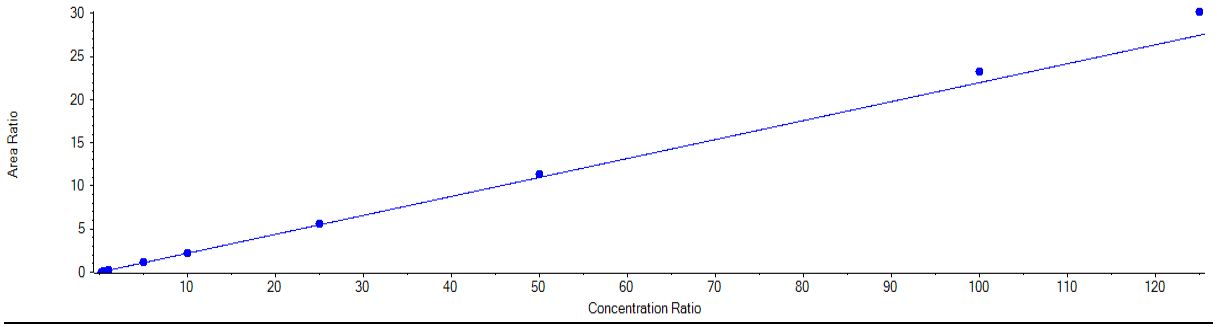
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: PFMBA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 1.44 | 768100 | 30422 | 0.180 | 90.2 | 0.990 | 864 | True | 1.26 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 1.44 | 800800 | 61803 | 0.351 | 87.8 | 0.965 | 1900 | True | 1.29 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 1.45 | 779200 | 168417 | 0.984 | 98.4 | 1.081 | 4957 | True | 1.10 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 1.44 | 749300 | 850980 | 5.170 | 103.4 | 1.136 | 24502 | True | 1.32 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 1.45 | 815400 | 1781362 | 9.944 | 99.4 | 1.092 | 24783 | True | 1.25 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 1.44 | 686600 | 3833878 | 25.416 | 101.7 | 1.117 | 110252 | True | 1.21 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 1.44 | 685900 | 7792939 | 51.721 | 103.4 | 1.136 | 41278 | True | 1.23 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 1.45 | 660500 | 15351804 | 105.806 | 105.8 | 1.162 | 47523 | True | 1.36 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 1.45 | 629300 | 18988827 | 137.357 | 109.9 | 1.207 | 38465 | True | 1.13 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

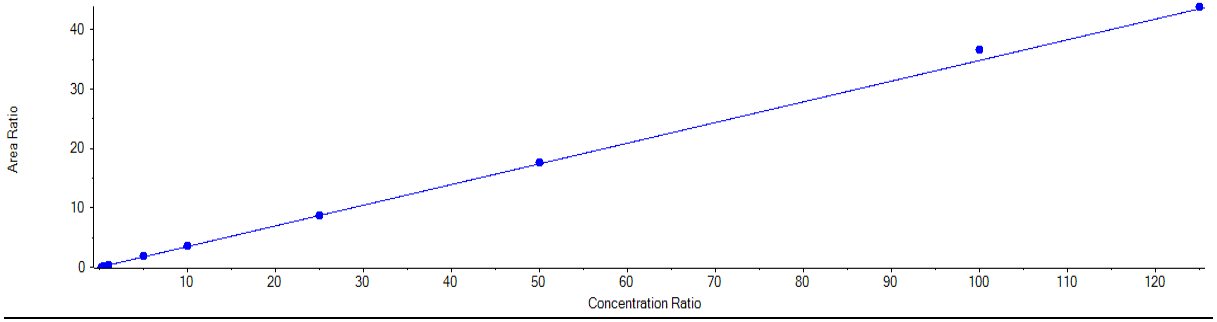
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: NFDHA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 1.84 | 341100 | 23090 | 0.194 | 97.1 | 0.846 | 362 | True | 1.30 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 1.84 | 402500 | 47725 | 0.340 | 85.1 | 0.741 | 723 | True | 1.10 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 1.85 | 359800 | 121871 | 0.972 | 97.2 | 0.847 | 1837 | True | 0.86 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 1.84 | 337900 | 645647 | 5.483 | 109.7 | 0.955 | 4607 | True | 1.03 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 1.85 | 373200 | 1325671 | 10.195 | 102.0 | 0.888 | 6080 | True | 1.33 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 1.84 | 307600 | 2706957 | 25.257 | 101.0 | 0.880 | 4184 | True | 1.10 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 1.84 | 319800 | 5669052 | 50.880 | 101.8 | 0.886 | 82848 | True | 1.10 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 1.86 | 307400 | 11291899 | 105.423 | 105.4 | 0.918 | 164884 | True | 1.33 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 1.85 | 333700 | 14641873 | 125.933 | 100.8 | 0.878 | 214637 | True | 1.13 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

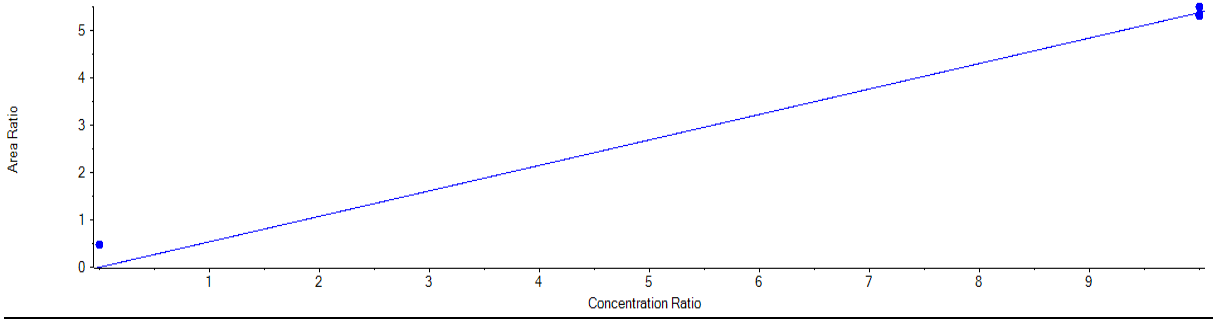
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: TDCA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 2.66 | 369000 | 2030223 | 10.224 | 102.2 | 1.321 | 9486 | True | 1.30 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | N/A | 373100 | N/A | N/A | N/A | N/A | N/A | True | N/A |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 2.68 | 351800 | 168518 | 0.890 | N/A | N/A | 1856 | True | 0.89 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | N/A | 335500 | N/A | N/A | N/A | N/A | N/A | True | N/A |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 2.67 | 376000 | 1993257 | 9.851 | 98.5 | 1.272 | 11730 | True | 1.15 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | N/A | 319000 | N/A | N/A | N/A | N/A | N/A | True | N/A |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | N/A | 317900 | N/A | N/A | N/A | N/A | N/A | True | N/A |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | N/A | 334800 | N/A | N/A | N/A | N/A | N/A | True | N/A |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 2.66 | 318900 | 1703275 | 9.925 | 99.3 | 1.282 | 6404 | True | 1.12 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

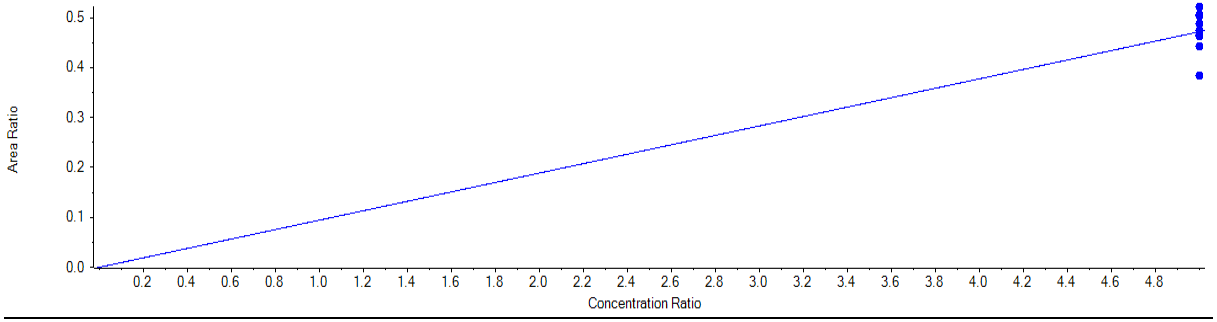
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: 13C2D4-4:2FTS

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 1.70 | 289500 | 137140 | 5.022 | 100.4 | 0.225 | 2747 | True | 1.20 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 1.70 | 277600 | 140273 | 5.357 | 107.1 | 0.240 | 2677 | True | 0.91 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 1.71 | 267600 | 118454 | 4.693 | 93.9 | 0.210 | 2278 | True | 0.97 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 1.70 | 291000 | 111521 | 4.063 | 81.3 | 0.182 | 2226 | True | 1.39 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 1.71 | 327300 | 151148 | 4.895 | 97.9 | 0.219 | 3000 | True | 1.01 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 1.70 | 268800 | 140144 | 5.528 | 110.6 | 0.247 | 2694 | True | 0.90 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 1.70 | 268400 | 124643 | 4.923 | 98.5 | 0.220 | 2464 | True | 0.91 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 1.72 | 253500 | 127883 | 5.347 | 106.9 | 0.239 | 2541 | True | 0.93 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 1.71 | 267200 | 130410 | 5.174 | 103.5 | 0.231 | 2491 | True | 0.86 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

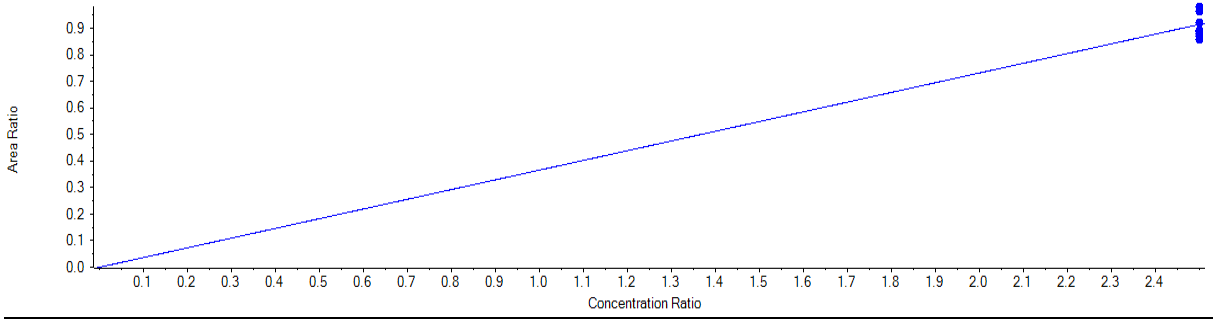
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

| | |
|---|---|
| Acquisition Method | EPA-1633F |
| Processing Method | EPA1633F_250303.qmethod |
| Calibration | 250303_1633_ICAL |

Compound Name: 13C2-PFOA

| Sample File | Sample ID | Acquisition Date and Time | RT | IS Peak Area | Peak Area | Calculated Concentration (ng/ml) | Percent Recovery | RRF | Signal to Noise | Used | b/a |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCI09_250303_22.wiff2 | IA1633STD-.1 | 3/3/2025 2:41:55 PM | 2.98 | 363400 | 356521 | 2.681 | 107.2 | 0.981 | 4469 | True | 1.01 |
| SCI09_250303_23.wiff2 | IA1633STD-.2 | 3/3/2025 2:50:49 PM | 2.98 | 335400 | 328744 | 2.678 | 107.1 | 0.980 | 4003 | True | 0.91 |
| SCI09_250303_24.wiff2 | IA1633STD-.5 | 3/3/2025 2:59:43 PM | 2.99 | 349400 | 307805 | 2.407 | 96.3 | 0.881 | 3728 | True | 1.25 |
| SCI09_250303_25.wiff2 | IA1633STD-2.5 | 3/3/2025 3:08:38 PM | 2.98 | 363000 | 323036 | 2.432 | 97.3 | 0.890 | 4183 | True | 0.84 |
| SCI09_250303_26.wiff2 | IA1633STD-5 | 3/3/2025 3:17:32 PM | 2.99 | 400500 | 368927 | 2.517 | 100.7 | 0.921 | 4722 | True | 0.94 |
| SCI09_250303_27.wiff2 | IA1633STD-12.5 | 3/3/2025 3:26:25 PM | 2.98 | 374200 | 321115 | 2.345 | 93.8 | 0.858 | 3834 | True | 1.32 |
| SCI09_250303_28.wiff2 | IA1633STD-25 | 3/3/2025 3:35:19 PM | 2.98 | 325000 | 288456 | 2.425 | 97.0 | 0.888 | 3448 | True | 1.30 |
| SCI09_250303_29.wiff2 | IA1633STD-50 | 3/3/2025 3:44:11 PM | 3.00 | 340600 | 328767 | 2.637 | 105.5 | 0.965 | 3757 | True | 0.85 |
| SCI09_250303_30.wiff2 | IA1633STD-62.5 | 3/3/2025 3:53:07 PM | 2.99 | 383200 | 333473 | 2.378 | 95.1 | 0.870 | 4092 | True | 0.91 |

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



# Initial Calibration Report

SCIEX OS Version 3.3.1.43

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

| Analyte | Expected Ratio | Lower Limt | Upper Limt | NIS Analyte | AVG. NIS Area |
|---|---|---|---|---|---|
| PFBA | N/A | N/A | N/A | 13C3-PFBA | 724677 |
| PFPeA | N/A | N/A | N/A | 13C2-PFHxA | 405177 |
| PFHxA | 0.081 | 0.0405 | 0.1215 | 13C4-PFOA | 359411 |
| PFHpA | 0.373 | 0.1865 | 0.5595 | 13C5-PFNA | 257604 |
| PFOA | 0.424 | 0.212 | 0.636 | 13C2-PFDA | 265799 |
| PFNA | 0.493 | 0.2465 | 0.7395 | 18O2-PFHxS | 278984 |
| PFDA | 0.188 | 0.094 | 0.282 | 13C4-PFOS | 288522 |
| PFUnA | 0.146 | 0.073 | 0.219 | N/A | N/A |
| PFDoA | 0.142 | 0.071 | 0.213 | N/A | N/A |
| PFTrDA | 0.152 | 0.076 | 0.228 | N/A | N/A |
| PFTeDA | 0.154 | 0.077 | 0.231 | N/A | N/A |
| PFBS | 0.374 | 0.187 | 0.561 | N/A | N/A |
| PFPeS | 0.314 | 0.157 | 0.471 | N/A | N/A |
| PFHxS | 0.306 | 0.153 | 0.459 | N/A | N/A |
| PFHpS | 0.316 | 0.158 | 0.474 | N/A | N/A |
| PFOS | 0.244 | 0.122 | 0.366 | N/A | N/A |
| PFNS | 0.294 | 0.147 | 0.441 | N/A | N/A |
| PFDS | 0.29 | 0.145 | 0.435 | N/A | N/A |
| PFDoS | 0.256 | 0.128 | 0.384 | N/A | N/A |
| 4:2FTS | 0.65 | 0.325 | 0.975 | N/A | N/A |
| 6:2FTS | 0.62 | 0.31 | 0.93 | N/A | N/A |
| 8:2FTS | 0.676 | 0.338 | 1.014 | N/A | N/A |
| PFOSA | 0.026 | 0.013 | 0.039 | N/A | N/A |
| NMeFOSA | 1.377 | 0.6885 | 2.0655 | N/A | N/A |
| NEtFOSA | 1.292 | 0.646 | 1.938 | N/A | N/A |
| NMeFOSAA | 0.697 | 0.3485 | 1.0455 | N/A | N/A |
| NEtFOSAA | 0.557 | 0.2785 | 0.8355 | N/A | N/A |
| NMeFOSE | N/A | N/A | N/A | N/A | N/A |
| NEtFOSE | N/A | N/A | N/A | N/A | N/A |
| HFPO-DA | 0.501 | 0.2505 | 0.7515 | N/A | N/A |
| ADONA | 0.691 | 0.3455 | 1.0365 | N/A | N/A |
| 9Cl-PF3ONS | 0.332 | 0.166 | 0.498 | N/A | N/A |
| 11Cl-PF3OUdS | 0.322 | 0.161 | 0.483 | N/A | N/A |
| 3:3FTCA | 1.01 | 0.505 | 1.515 | N/A | N/A |
| 5:3FTCA | 1.017 | 0.5085 | 1.5255 | N/A | N/A |
| 7:3FTCA | 1.343 | 0.6715 | 2.0145 | N/A | N/A |
| PFEESA | 0.081 | 0.0405 | 0.1215 | N/A | N/A |
| PFMPA | N/A | N/A | N/A | N/A | N/A |
| PFMBA | N/A | N/A | N/A | N/A | N/A |
| NFDHA | 0.681 | 0.3405 | 1.0215 | N/A | N/A |
| TDCA | 5.68 | 2.84 | 8.52 | N/A | N/A |

# Initial Calibration Report

SCIEX OS Version 3.3.1.43

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

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

| Type | Name | IA1633FSTD-.1 | IA1633FSTD-.2 | IA1633FSTD-.5 | IA1633FSTD-2.5 | IA1633FSTD-5 | IA1633FSTD-12.5 | IA1633FSTD-25 | IA1633FSTD-50 | IA1633FSTD-62.5 | AVG RF | RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EIS | 13C4-PFBA | 1.09 | 1.25 | 1.196 | 1.068 | 1.121 | 1.068 | 1.129 | 1.157 | 1.087 | 1.130 | 5.467 |
| EIS | 13C5-PFPeA | 0.867 | 1.012 | 0.913 | 0.898 | 0.858 | 0.875 | 0.899 | 0.968 | 0.842 | 0.903 | 6.07 |
| EIS | 13C5-PFHxA | 0.77 | 1.017 | 0.843 | 0.81 | 0.785 | 0.784 | 0.838 | 0.901 | 0.893 | 0.849 | 9.229 |
| EIS | 13C4-PFHpA | 0.756 | 0.801 | 0.869 | 0.762 | 0.807 | 0.725 | 0.815 | 0.983 | 0.853 | 0.819 | 9.368 |
| EIS | 13C8-PFOA | 1.614 | 1.883 | 1.88 | 1.628 | 1.548 | 1.524 | 1.766 | 1.553 | 1.408 | 1.645 | 9.995 |
| EIS | 13C9-PFNA | 0.944 | 1.124 | 1.037 | 0.919 | 0.93 | 1.041 | 1.03 | 1.002 | 0.958 | 0.998 | 6.71 |
| EIS | 13C6-PFDA | 1.016 | 1.264 | 1.181 | 1.007 | 1.002 | 0.964 | 1.027 | 1.16 | 1.023 | 1.071 | 9.603 |
| EIS | 13C7-PFUnA | 1.183 | 1.384 | 1.337 | 1.109 | 1.138 | 1.101 | 1.112 | 1.183 | 1.09 | 1.182 | 9.065 |
| EIS | 13C2-PFDoA | 1.08 | 1.281 | 1.272 | 1.095 | 1.122 | 1.105 | 1.237 | 1.275 | 1.234 | 1.189 | 7.247 |
| EIS | 13C2-PFTeDA | 0.695 | 0.831 | 0.806 | 0.696 | 0.752 | 0.684 | 0.778 | 0.885 | 0.811 | 0.771 | 9.037 |
| EIS | 13C3-PFBS | 1.261 | 1.373 | 1.523 | 1.179 | 1.191 | 1.276 | 1.276 | 1.234 | 1.1 | 1.268 | 9.63 |
| EIS | 13C3-PFHxS | 1.165 | 1.177 | 1.191 | 1.048 | 1.043 | 1.155 | 1.099 | 1.187 | 1.075 | 1.127 | 5.363 |
| EIS | 13C8-PFOS | 1.297 | 1.284 | 1.197 | 1.11 | 1.23 | 1.085 | 1.157 | 1.234 | 1.138 | 1.193 | 6.279 |
| EIS | 13C2-4:2FTS | 0.176 | 0.187 | 0.194 | 0.169 | 0.165 | 0.175 | 0.198 | 0.209 | 0.21 | 0.187 | 8.931 |
| EIS | 13C2-6:2FTS | 0.146 | 0.156 | 0.157 | 0.138 | 0.149 | 0.16 | 0.162 | 0.193 | 0.19 | 0.161 | 11.486 |
| EIS | 13C2-8:2FTS | 0.126 | 0.17 | 0.167 | 0.13 | 0.143 | 0.15 | 0.172 | 0.214 | 0.191 | 0.163 | 17.555 |
| EIS | 13C8-PFOSA | 1.911 | 1.994 | 1.975 | 1.74 | 1.903 | 1.745 | 1.933 | 1.982 | 1.864 | 1.894 | 5.06 |
| EIS | d3-NMeFOSA | 0.341 | 0.366 | 0.346 | 0.314 | 0.353 | 0.309 | 0.336 | 0.363 | 0.345 | 0.342 | 5.718 |
| EIS | d5-NEtFOSA | 0.312 | 0.328 | 0.313 | 0.279 | 0.323 | 0.284 | 0.313 | 0.323 | 0.322 | 0.311 | 5.689 |
| EIS | d3-NMeFOSAA | N/A | 0.242 | 0.244 | 0.211 | 0.272 | 0.209 | 0.238 | 0.234 | 0.224 | 0.234 | 8.677 |
| EIS | d5-NEtFOSAA | N/A | 0.194 | 0.187 | 0.173 | 0.184 | 0.172 | 0.19 | 0.205 | 0.194 | 0.187 | 5.973 |
| EIS | d7-NMeFOSE | 0.241 | 0.257 | 0.251 | 0.232 | 0.255 | 0.226 | 0.248 | 0.255 | 0.243 | 0.246 | 4.372 |
| EIS | d9-NEtFOSE | 0.34 | 0.349 | 0.345 | 0.309 | 0.34 | 0.303 | 0.328 | 0.335 | 0.321 | 0.330 | 4.833 |
| EIS | 13C3-HFPO-DA | 0.844 | 0.965 | 0.87 | 0.889 | 0.853 | 0.856 | 0.903 | 0.983 | 0.915 | 0.898 | 5.521 |
| NIS | 13C3-PFBA | 1.128 | 1.075 | 1.092 | 1.12 | 1.165 | 0.994 | 0.884 | 0.764 | 0.778 | 1.000 | 15.428 |
| NIS | 13C2-PFHxA | 1.093 | 0.976 | 1.053 | 1.03 | 1.173 | 0.969 | 0.941 | 0.842 | 0.922 | 1.000 | 9.874 |
| NIS | 13C4-PFOA | 1.011 | 0.933 | 0.972 | 1.01 | 1.114 | 1.041 | 0.904 | 0.948 | 1.066 | 1.000 | 6.759 |
| NIS | 13C5-PFNA | 1.003 | 0.975 | 1.024 | 1.064 | 1.117 | 1.004 | 0.905 | 0.908 | 1.001 | 1.000 | 6.757 |
| NIS | 13C2-PFDA | 1.087 | 0.947 | 0.973 | 1.055 | 1.14 | 1.021 | 0.955 | 0.888 | 0.933 | 1.000 | 8.155 |
| NIS | 18O2-PFHxS | 1.038 | 0.995 | 0.959 | 1.043 | 1.173 | 0.963 | 0.962 | 0.909 | 0.958 | 1.000 | 7.734 |
| NIS | 13C4-PFOS | 0.986 | 1.007 | 1.018 | 1.047 | 1.059 | 1.019 | 0.952 | 0.94 | 0.971 | 1.000 | 4.095 |

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

Method: EPA1633F_250303.qmethod
Calibration: 250303_1633_ICAL

ID: IA1633STD-.1
Name: SCI09_250303_22.wiff2
Date & Time: 2025-03-03T14:41:55
Description: WG2035972,,EPA1633F_250228_CAL_L1
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | PFBA | 375-22-4 | 0.59 | 213.0 / 169.0 | 61301 | M4 | 0.385 | N/A | N/A | N/A | 96.2 |
| 2 | PFPeA | 2706-90-3 | 1.18 | 263.0 / 219.0 | 26916 | | 0.183 | 0.010 | N/A | N/A | 91.3 |
| 3 | PFPeA_2 | 2706-90-3 | 1.18 | 263.0 / 68.9 | 259 | M4 | 0.251 | 0.010 | N/A | N/A | 125.4 |
| 4 | PFHxA | 307-24-4 | 1.92 | 313.0 / 269.0 | 18390 | | 0.105 | 0.092 | 0.081 | Pass | 105.3 |
| 5 | PFHxA_2 | 307-24-4 | 1.92 | 313.0 / 119.0 | 1687 | M2 | 0.114 | 0.092 | 0.081 | Pass | 113.5 |
| 6 | PFHpA | 375-85-9 | 2.50 | 363.1 / 319.0 | 19125 | | 0.098 | 0.391 | 0.373 | Pass | 98.4 |
| 7 | PFHpA_2 | 375-85-9 | 2.49 | 363.1 / 169.0 | 7472 | | 0.097 | 0.391 | 0.373 | Pass | 97.3 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | PFOA | 335-67-1 | 2.99 | 413.1 / 369.1 | 21875 | M5 | 0.109 | 0.415 | 0.424 | Pass | 109.1 |
| 9 | PFOA_2 | 335-67-1 | 2.98 | 413.1 / 169.0 | 9075 | M5 | 0.107 | 0.415 | 0.424 | Pass | 106.9 |
| 10 | PFNA | 375-95-1 | 3.43 | 462.8 / 418.9 | 13249 | M5 | 0.101 | 0.441 | 0.493 | Pass | 100.7 |
| 11 | PFNA_2 | 375-95-1 | 3.43 | 462.8 / 219.0 | 5845 | M5 | 0.091 | 0.441 | 0.493 | Pass | 91.3 |
| 12 | PFDA | 335-76-2 | 3.85 | 513.1 / 469.1 | 19483 | | 0.094 | 0.199 | 0.188 | Pass | 93.9 |
| 13 | PFDA_2 | 335-76-2 | 3.86 | 513.1 / 219.0 | 3872 | | 0.101 | 0.199 | 0.188 | Pass | 101.3 |
| 14 | PFUnA | 2058-94-8 | 4.26 | 563.1 / 519.1 | 20821 | | 0.090 | 0.129 | 0.146 | Pass | 89.9 |
| 15 | PFUnA_2 | 2058-94-8 | 4.26 | 563.1 / 269.0 | 2682 | | 0.081 | 0.129 | 0.146 | Pass | 80.6 |
| 16 | PFDoA | 307-55-1 | 4.65 | 613.1 / 569.1 | 24385 | | 0.103 | 0.146 | 0.142 | Pass | 103.3 |
| 17 | PFDoA_2 | 307-55-1 | 4.65 | 613.1 / 319.0 | 3563 | | 0.110 | 0.146 | 0.142 | Pass | 109.6 |
| 18 | PFTrDA | 72629-94-8 | 5.03 | 663.1 / 619.1 | 19883 | | 0.096 | 0.147 | 0.152 | Pass | 95.9 |
| 19 | PFTrDA_2 | 72629-94-8 | 5.03 | 663.1 / 169.0 | 2930 | | 0.092 | 0.147 | 0.152 | Pass | 92.0 |
| 20 | PFTeDA | 376-06-7 | 5.39 | 713.1 / 669.1 | 16734 | | 0.092 | 0.200 | 0.154 | Pass | 91.7 |
| 21 | PFTeDA_2 | 376-06-7 | 5.39 | 713.1 / 169.0 | 3351 | | 0.112 | 0.200 | 0.154 | Pass | 112.4 |
| 22 | PFBS | 375-73-5 | 1.92 | 299.1 / 80.1 | 15126 | M4 | 0.092 | 0.287 | 0.374 | Pass | 103.9 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | PFBS_2 | 375-73-5 | 1.92 | 299.1 / 99.1 | 4345 | | 0.076 | 0.287 | 0.374 | Pass | 81.1 |
| 24 | PFPeS | 2706-91-4 | 2.56 | 349.1 / 80.1 | 12916 | | 0.080 | 0.286 | 0.314 | Pass | 85.2 |
| 25 | PFPeS_2 | 2706-91-4 | 2.56 | 349.1 / 99.1 | 3697 | | 0.073 | 0.286 | 0.314 | Pass | 77.6 |
| 26 | PFHxS | 355-46-4 | 3.09 | 399.1 / 80.1 | 14015 | M5 | 0.095 | 0.236 | 0.306 | Pass | 104.5 |
| 27 | PFHxS_2 | 355-46-4 | 3.09 | 399.1 / 99.1 | 3307 | M5 | 0.078 | 0.236 | 0.306 | Pass | 85.2 |
| 28 | PFHpS | 375-92-8 | 3.56 | 449.1 / 80.1 | 12571 | | 0.087 | 0.305 | 0.316 | Pass | 91.5 |
| 29 | PFHpS_2 | 375-92-8 | 3.56 | 449.1 / 99.1 | 3836 | | 0.087 | 0.305 | 0.316 | Pass | 91.3 |
| 30 | PFOS | 1763-23-1 | 4.00 | 499.1 / 80.1 | 18519 | M5 | 0.105 | 0.252 | 0.244 | Pass | 113.2 |
| 31 | PFOS_2 | 1763-23-1 | 4.00 | 499.1 / 99.1 | 4669 | M5 | 0.106 | 0.252 | 0.244 | Pass | 113.6 |
| 32 | PFNS | 68259-12-1 | 4.41 | 549.1 / 80.1 | 9312 | | 0.078 | 0.300 | 0.294 | Pass | 81.0 |
| 33 | PFNS_2 | 68259-12-1 | 4.41 | 549.1 / 99.1 | 2794 | | 0.082 | 0.300 | 0.294 | Pass | 85.0 |
| 34 | PFDS | 335-77-3 | 4.81 | 599.1 / 80.1 | 10126 | | 0.086 | 0.258 | 0.290 | Pass | 89.7 |
| 35 | PFDS_2 | 335-77-3 | 4.81 | 599.1 / 99.1 | 2609 | | 0.079 | 0.258 | 0.290 | Pass | 81.8 |
| 36 | PFDoS | 79780-39-5 | 5.55 | 699.2 / 80.1 | 8920 | | 0.083 | 0.287 | 0.256 | Pass | 85.8 |
| 37 | PFDoS_2 | 79780-39-5 | 5.55 | 699.2 / 99.1 | 2558 | | 0.093 | 0.287 | 0.256 | Pass | 95.5 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 38 | 4:2FTS | 757124-72-4 | 1.71 | 327.1 / 307.1 | 10859 | | 0.328 | 0.657 | 0.650 | Pass | 87.3 |
| 39 | 4:2FTS_2 | 757124-72-4 | 1.71 | 327.1 / 81.1 | 7132 | | 0.333 | 0.657 | 0.650 | Pass | 88.9 |
| 40 | 6:2FTS | 27619-97-2 | 2.80 | 427.2 / 407.2 | 10691 | | 0.373 | 0.601 | 0.620 | Pass | 98.2 |
| 41 | 6:2FTS_2 | 27619-97-2 | 2.80 | 427.2 / 81.1 | 6422 | | 0.350 | 0.601 | 0.620 | Pass | 92.0 |
| 42 | 8:2FTS | 39108-34-4 | 3.67 | 527.2 / 507.2 | 7732 | | 0.378 | 0.860 | 0.676 | Pass | 98.4 |
| 43 | 8:2FTS_2 | 39108-34-4 | 3.67 | 527.2 / 81.1 | 6646 | | 0.472 | 0.860 | 0.676 | Pass | 122.9 |
| 44 | PFOSA | 754-91-6 | 5.23 | 498.1 / 78.1 | 17024 | M5 | 0.094 | 0.038 | 0.026 | Pass | 93.9 |
| 45 | PFOSA_2 | 754-91-6 | 5.23 | 498.1 / 478.0 | 648 | M2 | 0.138 | 0.038 | 0.026 | Pass | 138.3 |
| 46 | NMeFOSA | 31506-32-8 | 5.97 | 512.2 / 219.0 | 4334 | M5 | 0.096 | 1.330 | 1.377 | Pass | 95.7 |
| 47 | NMeFOSA_2 | 31506-32-8 | 5.93 | 512.2 / 169.0 | 5766 | M5 | 0.092 | 1.330 | 1.377 | Pass | 91.6 |
| 48 | NEtFOSA | 4151-50-2 | 6.27 | 526.2 / 219.0 | 4656 | M5 | 0.103 | 1.149 | 1.292 | Pass | 103.4 |
| 49 | NEtFOSA_2 | 4151-50-2 | 6.23 | 526.2 / 169.0 | 5349 | M5 | 0.095 | 1.149 | 1.292 | Pass | 95.2 |
| 50 | NMeFOSAA | 2355-31-9 | N/A | 570.2 / 419.1 | N/A | | N/A | N/A | 0.697 | N/A | N/A |
| 51 | NMeFOSAA_2 | 2355-31-9 | N/A | 570.2 / 483.0 | N/A | | N/A | N/A | 0.697 | N/A | N/A |
| 52 | NEtFOSAA | 2991-50-6 | N/A | 584.2 / 419.1 | N/A | | N/A | N/A | 0.557 | N/A | N/A |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | NEtFOSAA_2 | 2991-50-6 | N/A | 584.2 / 526.2 | N/A | | N/A | N/A | 0.557 | N/A | N/A |
| 54 | NMeFOSE | 24448-09-7 | 5.84 | 616.1 / 58.9 | 60101 | M5 | 0.927 | N/A | N/A | N/A | 92.7 |
| 55 | NEtFOSE | 1691-99-2 | 6.14 | 630.0 / 58.9 | 86403 | M5 | 0.909 | N/A | N/A | N/A | 90.9 |
| 56 | HFPO-DA | 13252-13-6 | 2.13 | 285.0 / 169.0 | 54738 | | 0.361 | 0.572 | 0.501 | Pass | 90.4 |
| 57 | HFPO-DA_2 | 13252-13-6 | 2.13 | 285.0 / 184.9 | 31322 | | 0.392 | 0.572 | 0.501 | Pass | 98.1 |
| 58 | ADONA | 919005-14-4 | 2.68 | 376.9 / 251.0 | 114160 | | 0.398 | 0.653 | 0.691 | Pass | 105.4 |
| 59 | ADONA_2 | 919005-14-4 | 2.68 | 376.9 / 84.8 | 74501 | | 0.392 | 0.653 | 0.691 | Pass | 103.8 |
| 60 | 9Cl-PF3ONS | 756426-58-1 | 4.28 | 530.8 / 351.1 | 105849 | | 0.353 | 0.312 | 0.332 | Pass | 94.7 |
| 61 | 9Cl-PF3ONS_2 | 756426-58-1 | 4.28 | 532.8 / 353.0 | 32977 | | 0.331 | 0.312 | 0.332 | Pass | 88.7 |
| 62 | 11Cl-PF3OUdS | 763051-92-9 | 5.07 | 630.9 / 451.0 | 91599 | | 0.361 | 0.323 | 0.322 | Pass | 95.9 |
| 63 | 11Cl-PF3OUdS_2 | 763051-92-9 | 5.07 | 632.9 / 452.9 | 29595 | | 0.364 | 0.323 | 0.322 | Pass | 96.5 |
| 64 | 3:3FTCA | 356-02-5 | 1.56 | 241.1 / 177.1 | 5496 | | 0.483 | 1.026 | 1.010 | Pass | 96.6 |
| 65 | 3:3FTCA_2 | 356-02-5 | 1.56 | 241.1 / 117.0 | 5638 | M4 | 0.456 | 1.026 | 1.010 | Pass | 91.2 |
| 66 | 5:3FTCA | 914637-49-3 | 3.03 | 341.1 / 237.1 | 101733 | | 2.329 | 1.016 | 1.017 | Pass | 93.2 |
| 67 | 5:3FTCA_2 | 914637-49-3 | 3.03 | 341.1 / 217.0 | 103379 | | 2.349 | 1.016 | 1.017 | Pass | 93.9 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 7:3FTCA | 812-70-4 | 4.06 | 441.1 / 316.9 | 83626 | | 2.343 | 1.499 | 1.343 | Pass | 93.7 |
| 69 | 7:3FTCA_2 | 812-70-4 | 4.06 | 441.1 / 337.1 | 125338 | | 2.656 | 1.499 | 1.343 | Pass | 106.3 |
| 70 | PFEESA | 113507-82-7 | 2.22 | 315.1 / 135.0 | 77148 | | 0.170 | 0.086 | 0.081 | Pass | 95.5 |
| 71 | PFEESA_2 | 113507-82-7 | 2.22 | 315.1 / 82.9 | 6615 | | 0.177 | 0.086 | 0.081 | Pass | 99.5 |
| 72 | PFMPA | 377-73-1 | 0.75 | 229.0 / 85.0 | 28899 | | 0.173 | N/A | N/A | N/A | 86.7 |
| 73 | PFMBA | 863090-89-5 | 1.44 | 279.0 / 85.0 | 30422 | | 0.180 | N/A | N/A | N/A | 90.2 |
| 74 | NFDHA | 151772-58-6 | 1.84 | 295.0 / 201.0 | 23090 | | 0.194 | 0.749 | 0.681 | Pass | 97.1 |
| 75 | NFDHA_2 | 151772-58-6 | 1.84 | 295.0 / 84.9 | 17304 | | 0.206 | 0.749 | 0.681 | Pass | 102.9 |
| 76 | TDCA | 516-50-7 | 2.66 | 499.1 / 124.1 | 2030223 | | 10.224 | 5.621 | 5.680 | Pass | 102.2 |
| 77 | TDCA_2 | 516-50-7 | 2.66 | 499.1 / 79.9 | 11411440 | | 10.201 | 5.621 | 5.680 | Pass | 102.0 |
| 78 | 13C2D4-4:2FTS | Surr | 1.70 | 333.2 / 312.1 | 137140 | | 5.022 | N/A | N/A | N/A | 100.4 |
| 79 | 13C2-PFOA | Surr | 2.98 | 415.0 / 370.0 | 356521 | | 2.681 | N/A | N/A | N/A | 107.2 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C4-PFBA | EIS | 0.59 | 217.0 / 172.0 | 1782845 | | 9.650 | NA | NA | NA | 96.5 |

| Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| 13C5-PFPeA | EIS | 1.17 | 268.0 / 223.0 | 768075 | | 4.801 | NA | NA | NA | 96.0 |
| 13C5-PFHxA | EIS | 1.91 | 318.0 / 273.0 | 341080 | | 2.268 | NA | NA | NA | 90.7 |
| 13C4-PFHpA | EIS | 2.49 | 367.0 / 322.0 | 334871 | | 2.308 | NA | NA | NA | 92.3 |
| 13C8-PFOA | EIS | 2.98 | 420.8 / 376.0 | 586696 | | 2.454 | NA | NA | NA | 98.1 |
| 13C9-PFNA | EIS | 3.43 | 472.0 / 427.0 | 243815 | | 1.182 | NA | NA | NA | 94.6 |
| 13C6-PFDA | EIS | 3.85 | 519.0 / 474.0 | 293509 | | 1.185 | NA | NA | NA | 94.8 |
| 13C7-PFUnA | EIS | 4.25 | 570.0 / 525.0 | 341770 | | 1.251 | NA | NA | NA | 100.1 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C2-PFDoA | EIS | 4.64 | 615.1 / 570.0 | 312132 | | 1.135 | NA | NA | NA | 90.8 |
| | 13C2-PFTeDA | EIS | 5.39 | 715.1 / 670.1 | 200793 | | 1.126 | NA | NA | NA | 90.1 |
| | 13C3-PFBS | EIS | 1.91 | 302.1 / 80.1 | 358768 | | 2.316 | NA | NA | NA | 99.4 |
| | 13C3-PFHxS | EIS | 3.09 | 402.1 / 80.1 | 337191 | | 2.449 | NA | NA | NA | 103.3 |
| | 13C8-PFOS | EIS | 4.00 | 507.1 / 80.1 | 368968 | | 2.610 | NA | NA | NA | 108.7 |
| | 13C2-4:2FTS | EIS | 1.71 | 329.1 / 81.1 | 101025 | | 4.423 | NA | NA | NA | 94.3 |
| | 13C2-6:2FTS | EIS | 2.80 | 429.2 / 81.1 | 84764 | | 4.310 | NA | NA | NA | 90.5 |
| | 13C2-8:2FTS | EIS | 3.67 | 529.2 / 81.1 | 73785 | | 3.706 | NA | NA | NA | 77.2 |

| Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| 13C8-PFOSA | EIS | 5.23 | 506.1 / 78.1 | 566057 | | 2.522 | NA | NA | NA | 100.9 |
| d3-NMeFOSA | EIS | 5.96 | 515.2 / 219.0 | 100981 | | 2.492 | NA | NA | NA | 99.7 |
| d5-NEtFOSA | EIS | 6.25 | 531.2 / 219.0 | 92406 | | 2.507 | NA | NA | NA | 100.3 |
| d3-NMeFOSAA | EIS | N/A | 573.2 / 419.1 | N/A | | N/A | NA | NA | NA | N/A |
| d5-NEtFOSAA | EIS | N/A | 589.3 / 419.1 | N/A | | N/A | NA | NA | NA | N/A |
| d7-NMeFOSE | EIS | 5.82 | 623.2 / 58.9 | 715452 | | 24.542 | NA | NA | NA | 98.2 |
| d9-NEtFOSE | EIS | 6.11 | 639.2 / 58.9 | 1006068 | | 25.726 | NA | NA | NA | 102.9 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C3-HFPO-DA | EIS | 2.12 | 287.0 / 169.0 | 1494620 | | 9.395 | NA | NA | NA | 93.9 |
| | 13C3-PFBA | NIS | 0.59 | 216.0 / 172.0 | 817448 | | 5.640 | NA | NA | NA | 112.8 |
| | 13C2-PFHxA | NIS | 1.91 | 315.0 / 270.0 | 442905 | | 2.733 | NA | NA | NA | 109.3 |
| | 13C4-PFOA | NIS | 2.98 | 417.0 / 372.0 | 363405 | | 2.528 | NA | NA | NA | 101.1 |
| | 13C5-PFNA | NIS | 3.43 | 468.0 / 423.0 | 258372 | | 1.254 | NA | NA | NA | 100.3 |
| | 13C2-PFDA | NIS | 3.85 | 515.1 / 470.1 | 288995 | | 1.359 | NA | NA | NA | 108.7 |
| | 18O2-PFHxS | NIS | 3.09 | 403.1 / 84.1 | 289505 | | 2.459 | NA | NA | NA | 103.8 |
| | 13C4-PFOS | NIS | 4.00 | 503.1 / 80.1 | 284416 | | 2.366 | NA | NA | NA | 98.6 |

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 3/3/2025 3:16:24 PM

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

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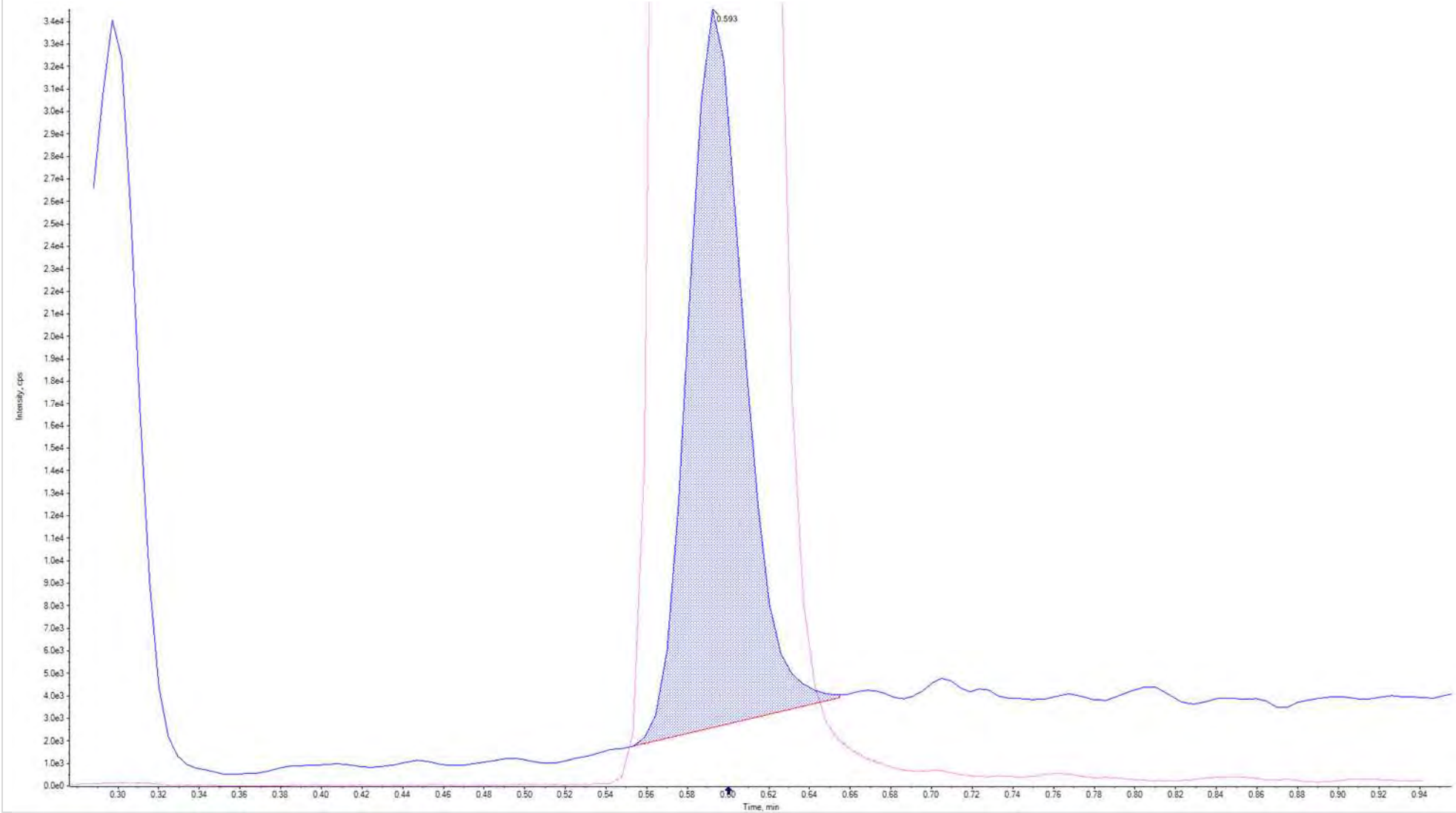

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFPeA
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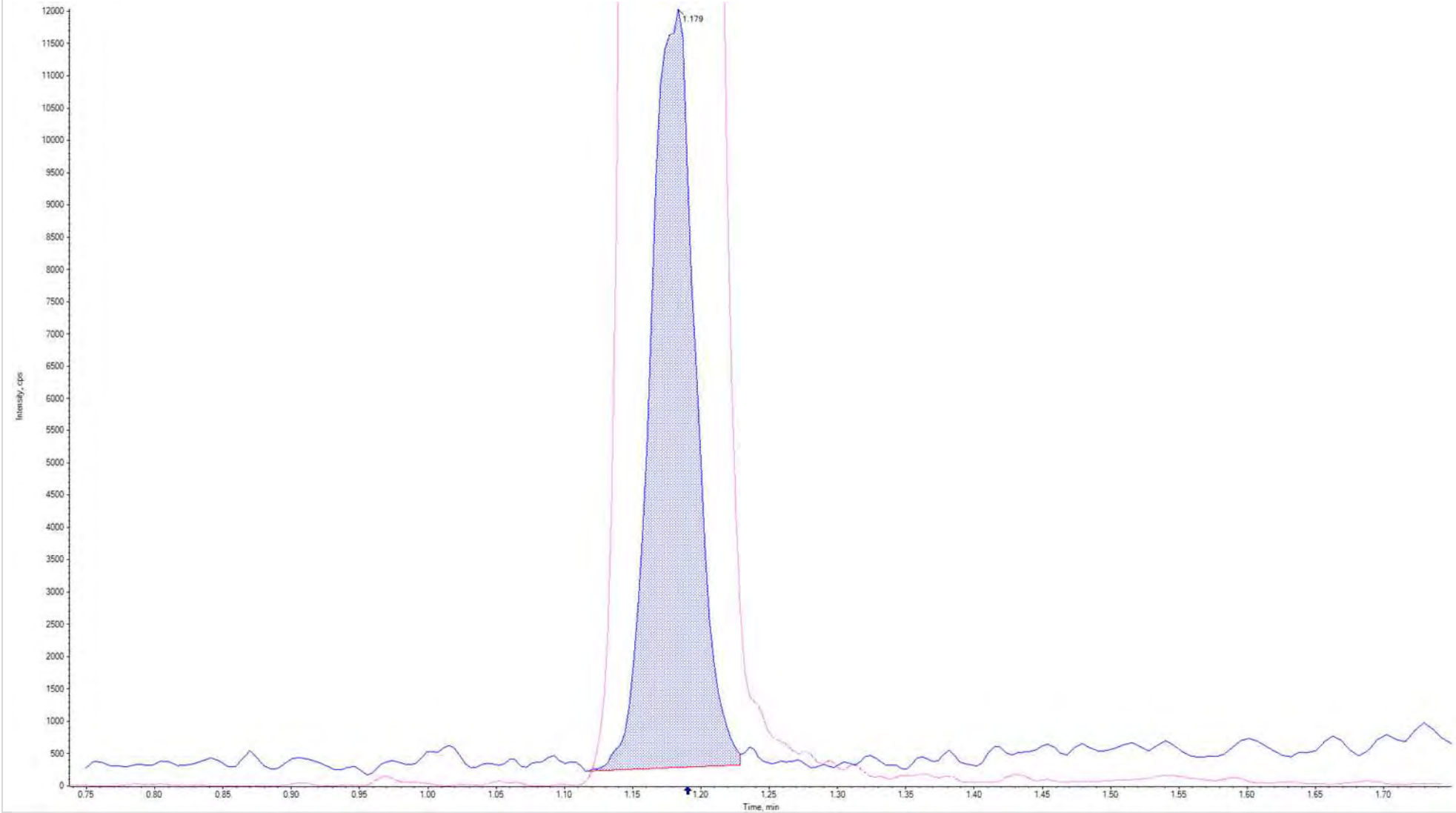
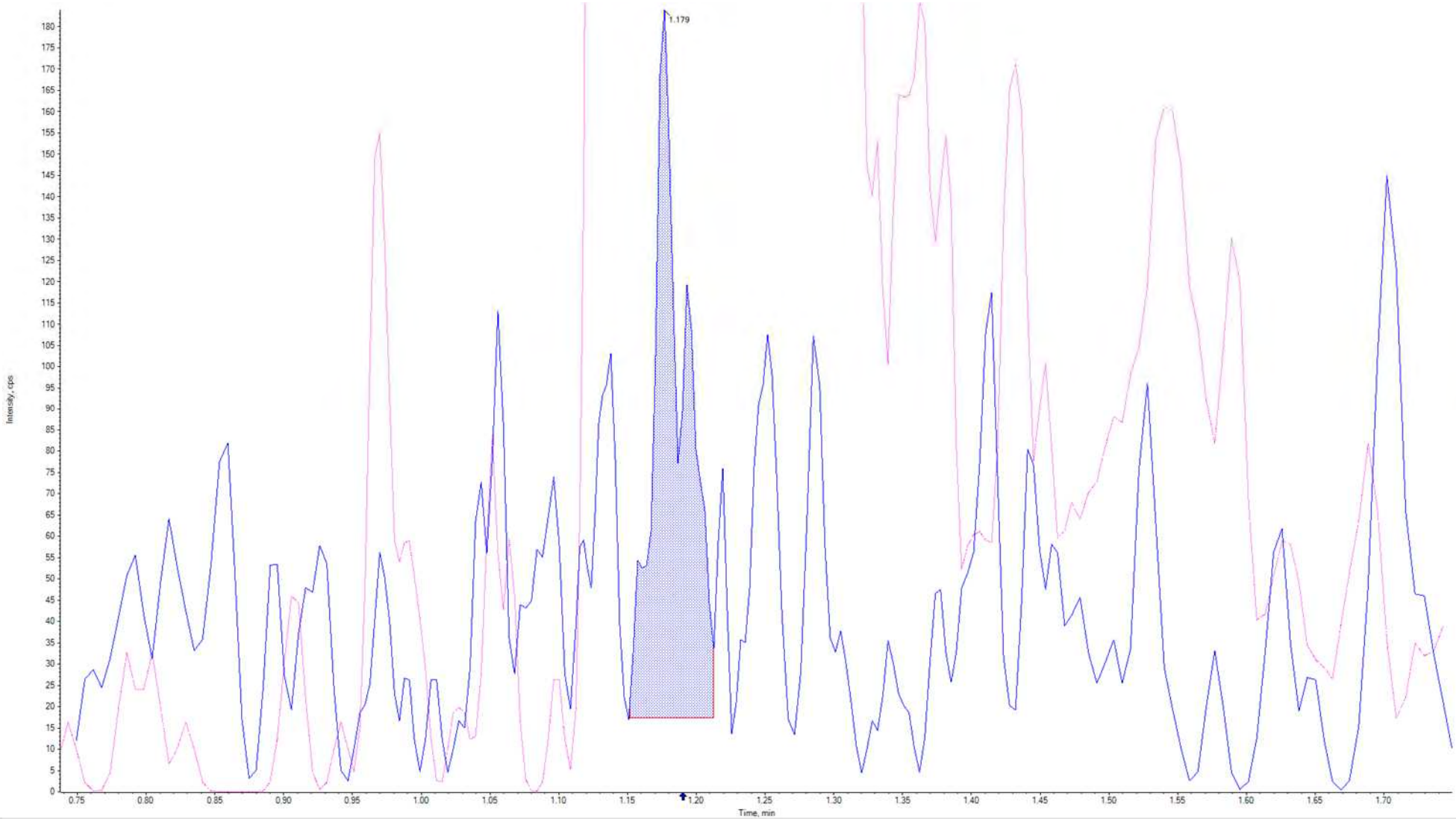


PFPeA_2
Sample: IA1633STD-.1 S/N:10.0 Points Across peak:20



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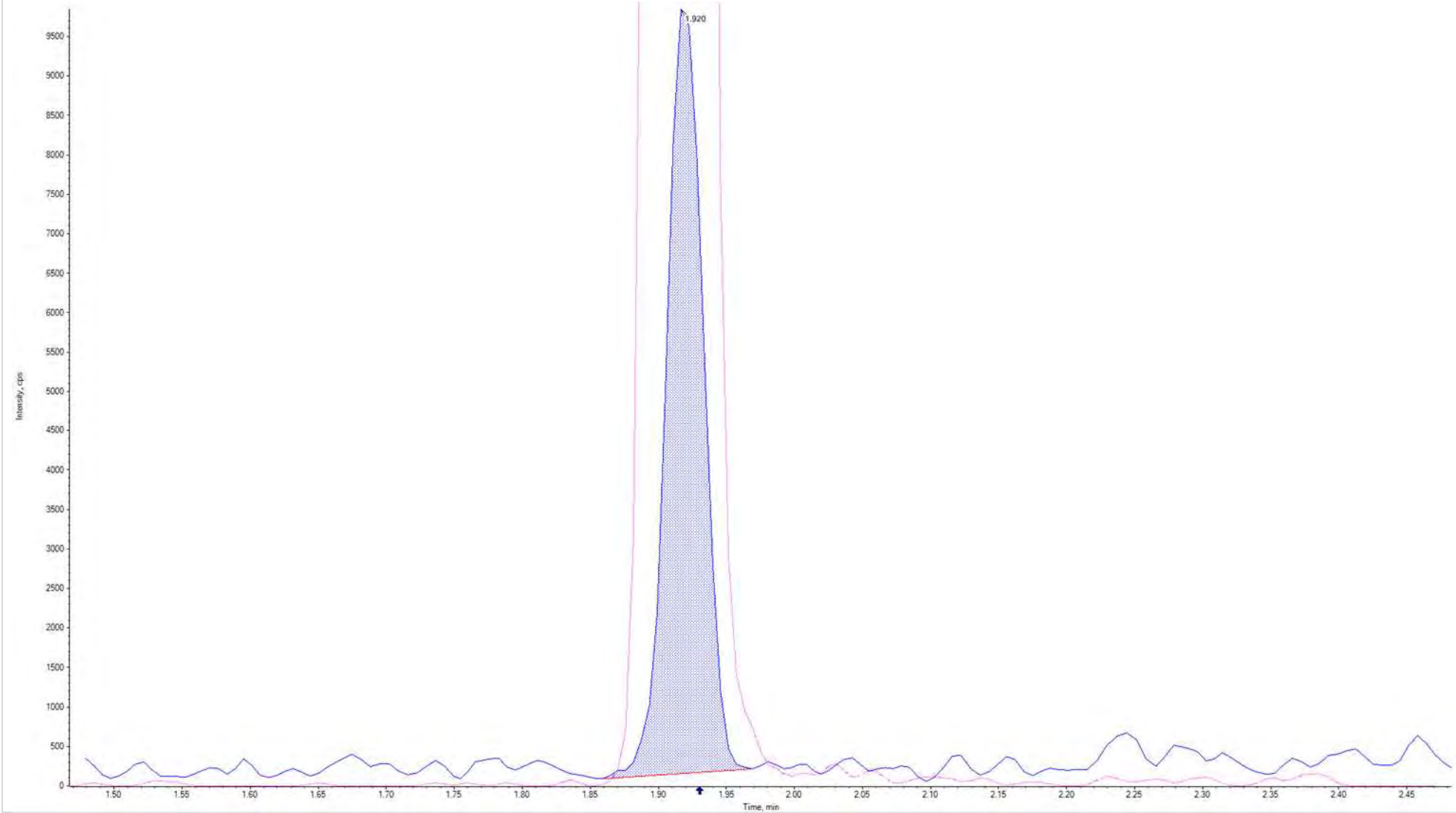

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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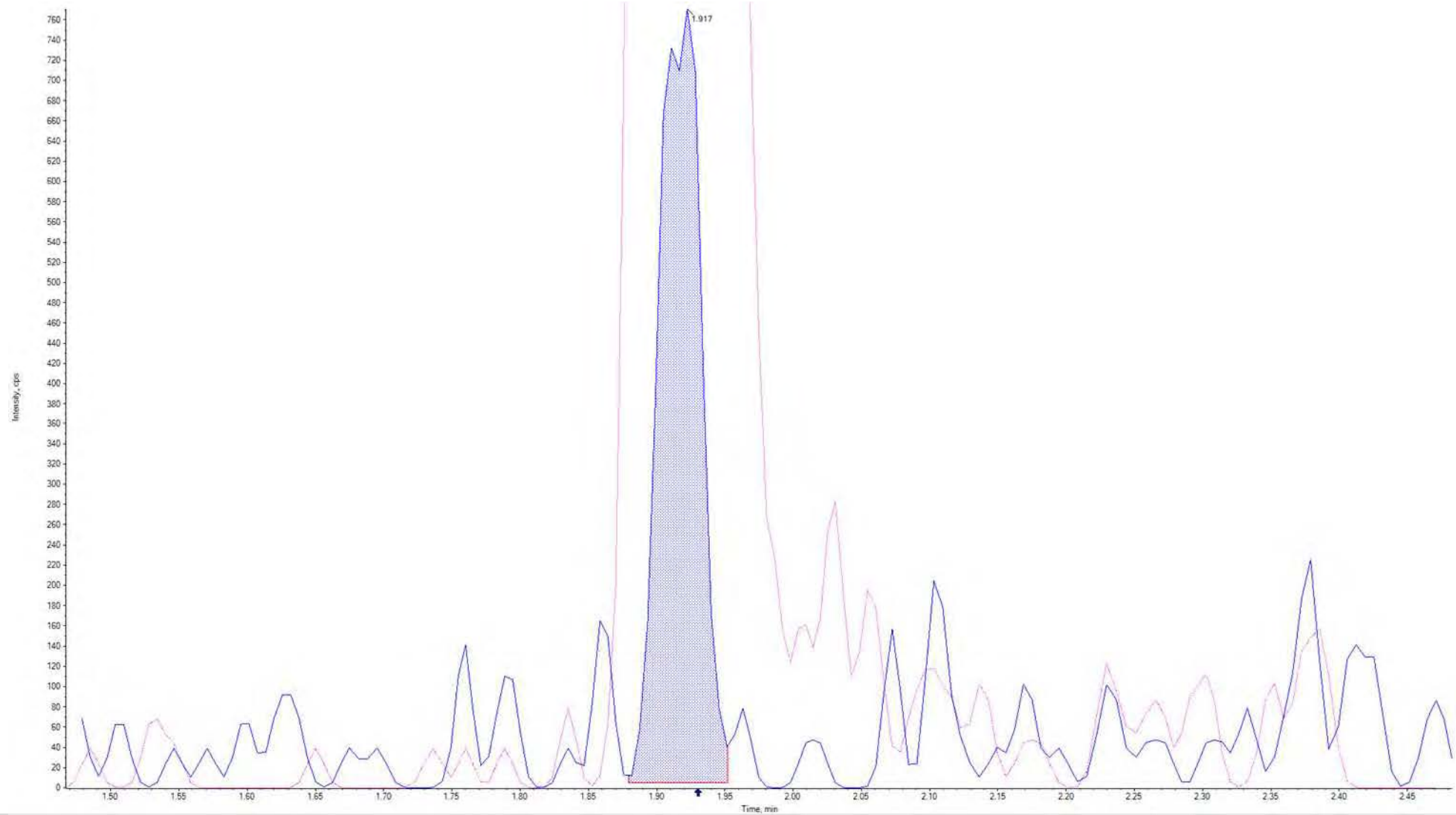
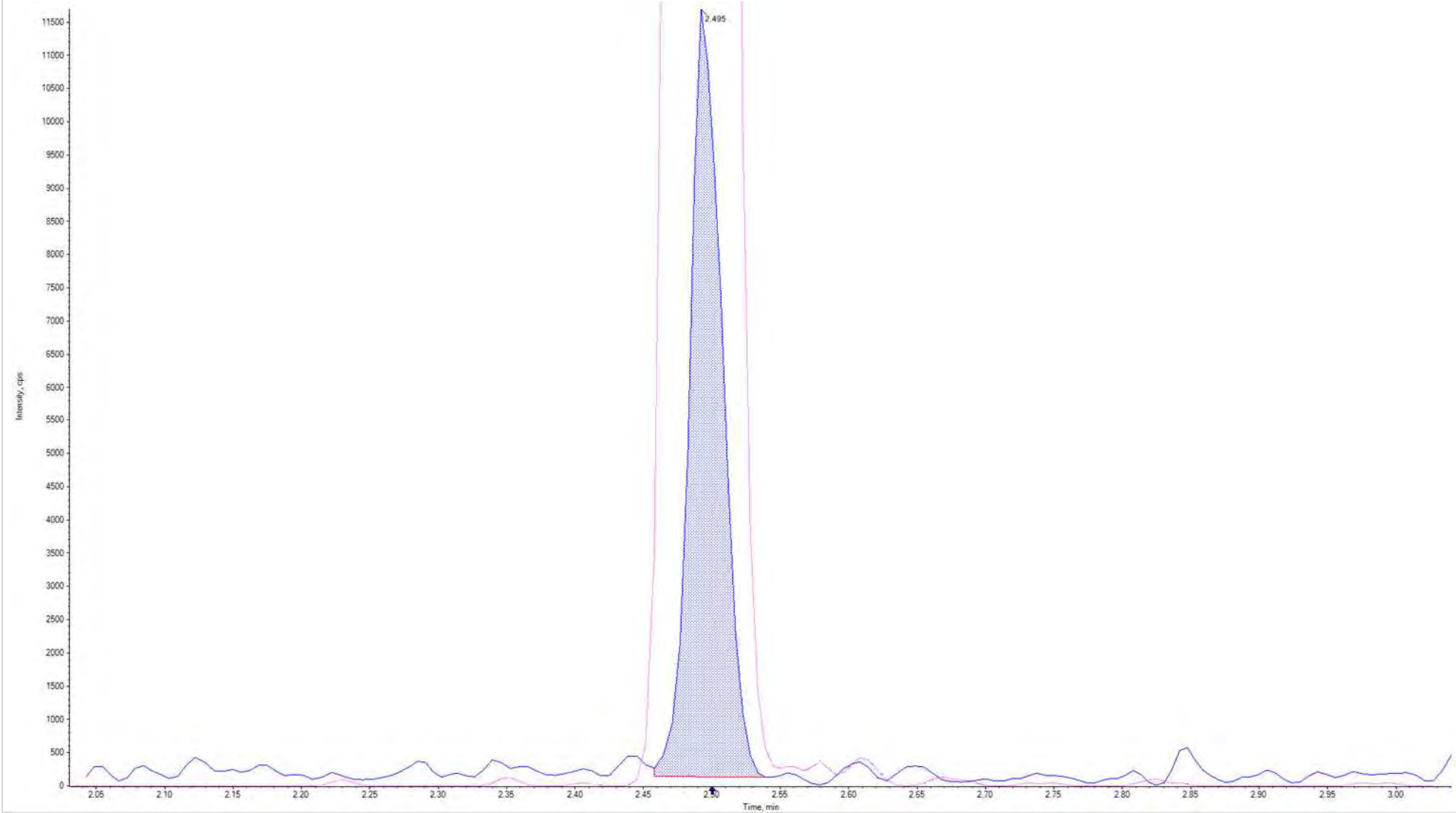
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHxA_2
Sample: IA1633STD-.1 S/N:19.2 Points Across peak:15



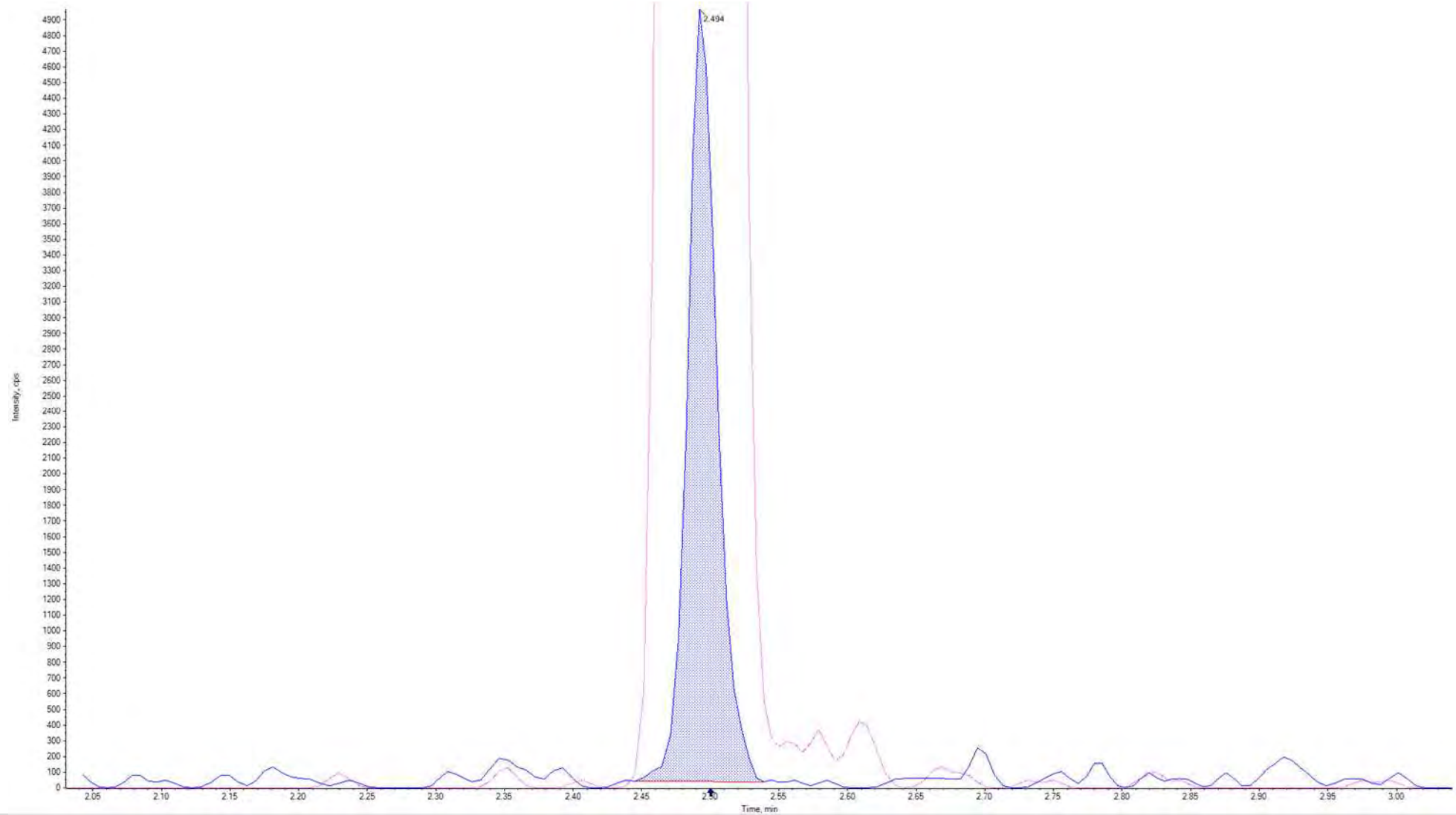
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHpA
Sample: IA1633STD-.1 S/N:231.7 Points Across peak:16



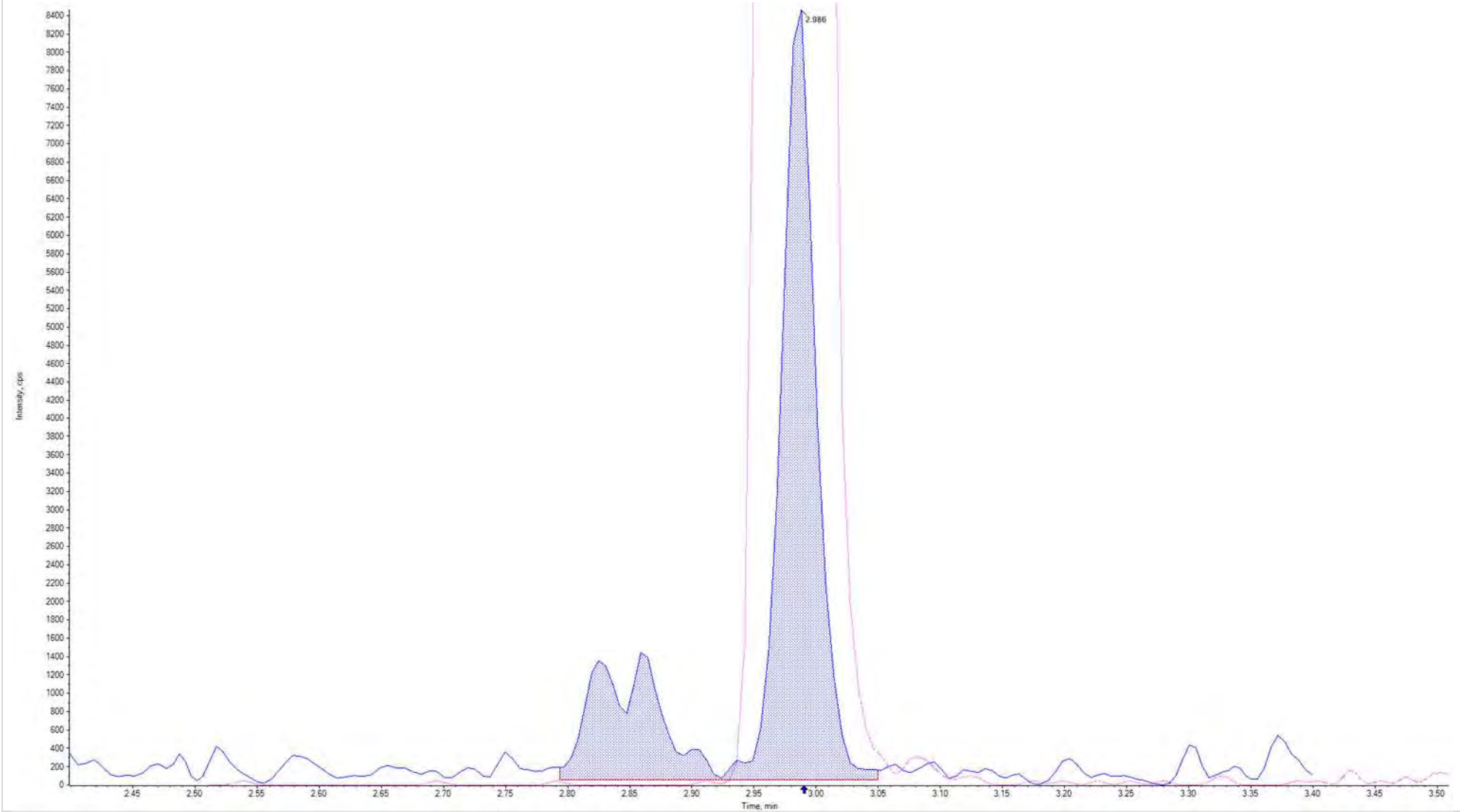
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHpA_2
Sample: IA1633STD-.1 S/N:98.8 Points Across peak:18



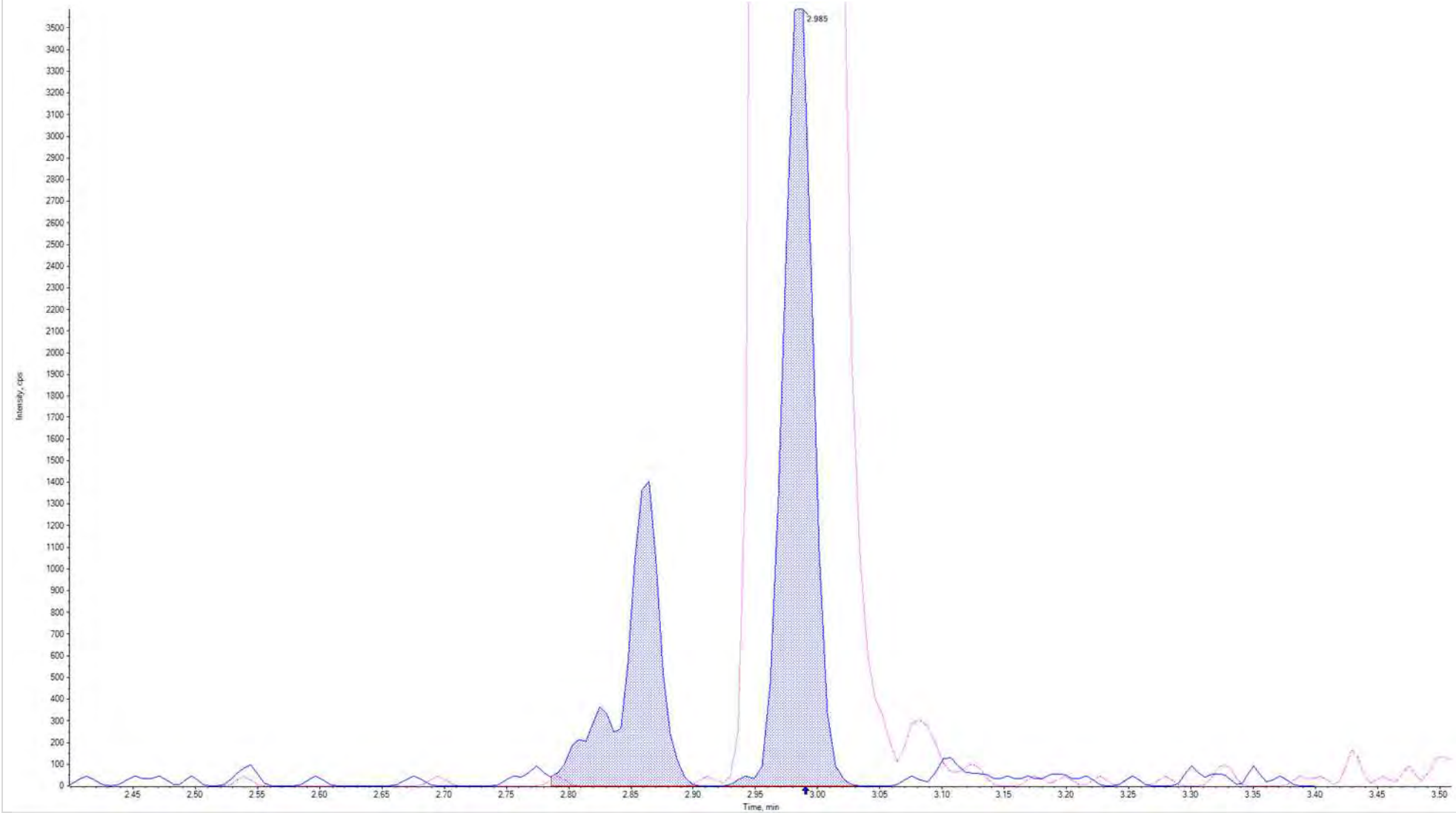
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOA
Sample: IA1633STD-.1 S/N:108.5 Points Across peak:44



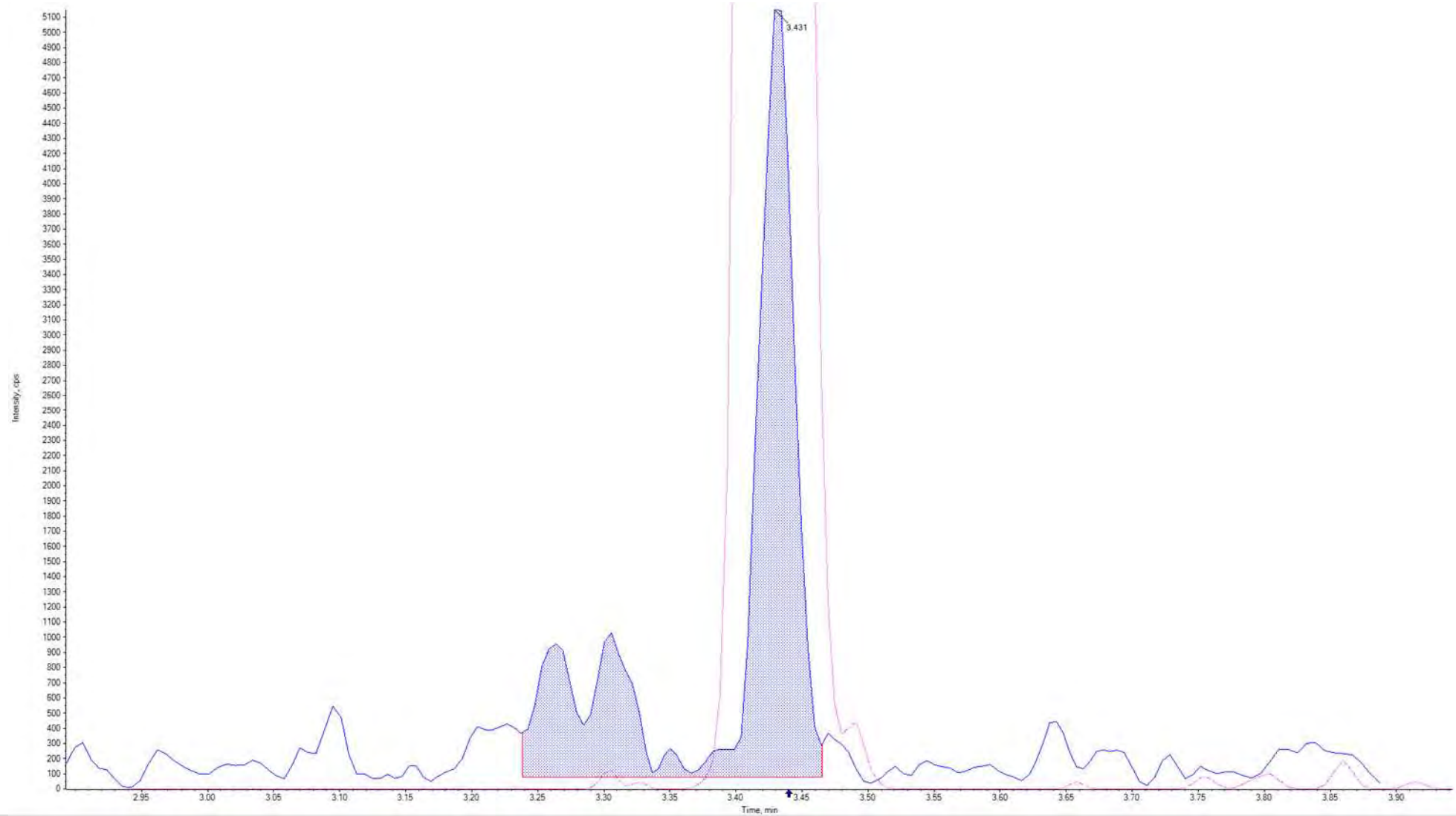
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOA_2
Sample: IA1633STD-.1 S/N:80.9 Points Across peak:42



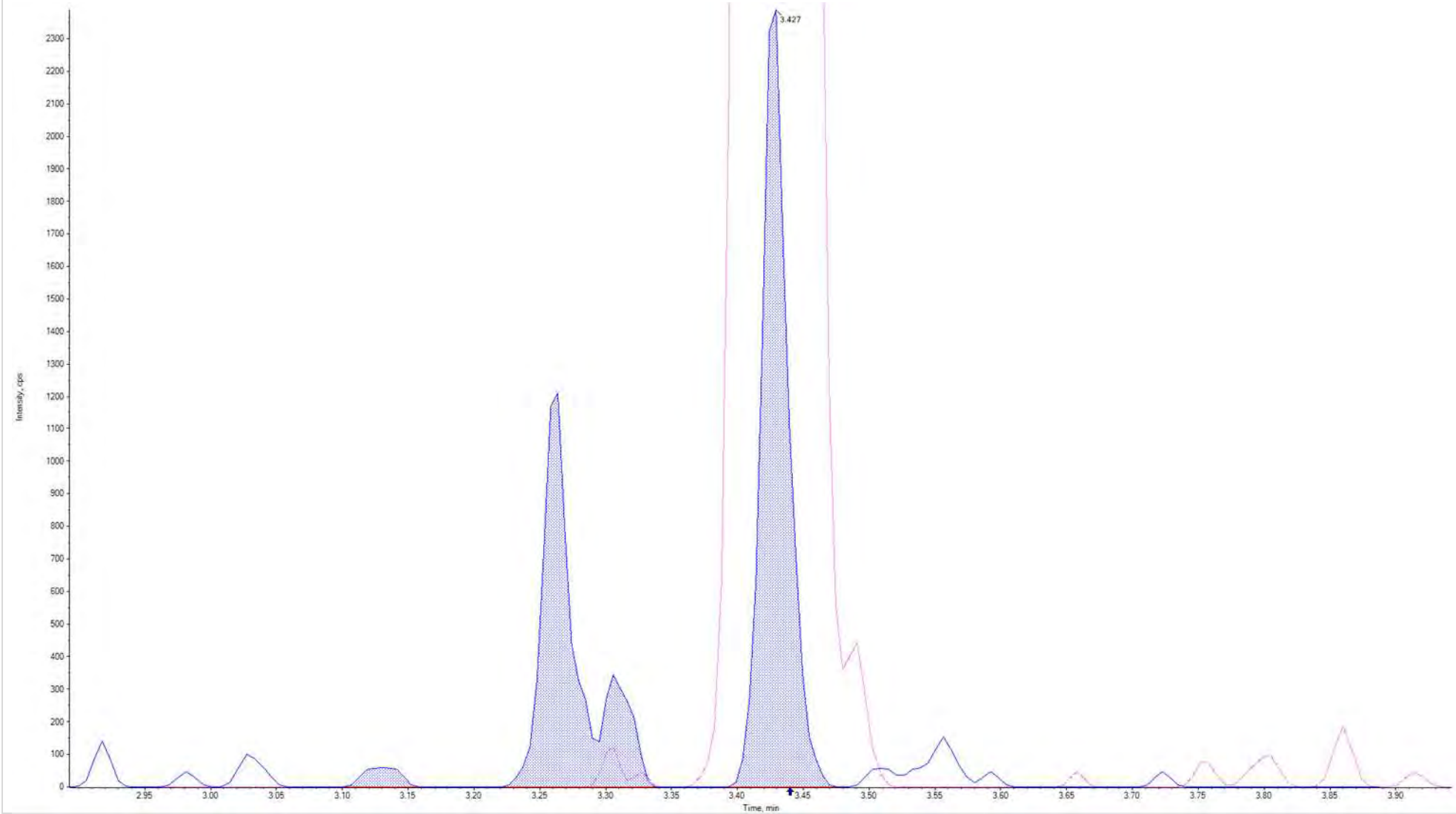
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFNA
Sample: IA1633STD-.1 S/N:80.8 Points Across peak:46



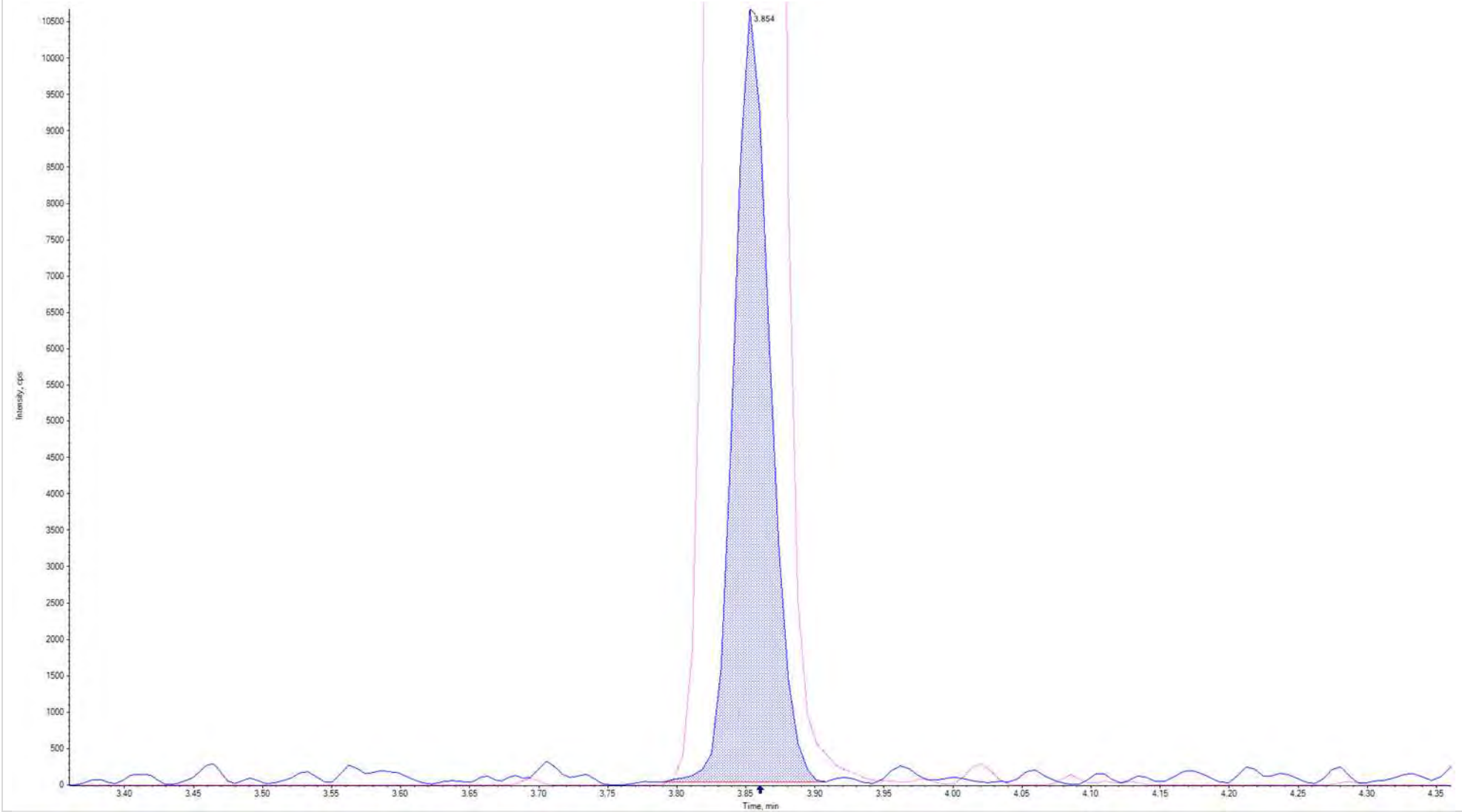
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFNA_2
Sample: IA1633STD-.1 S/N:53.9 Points Across peak:73



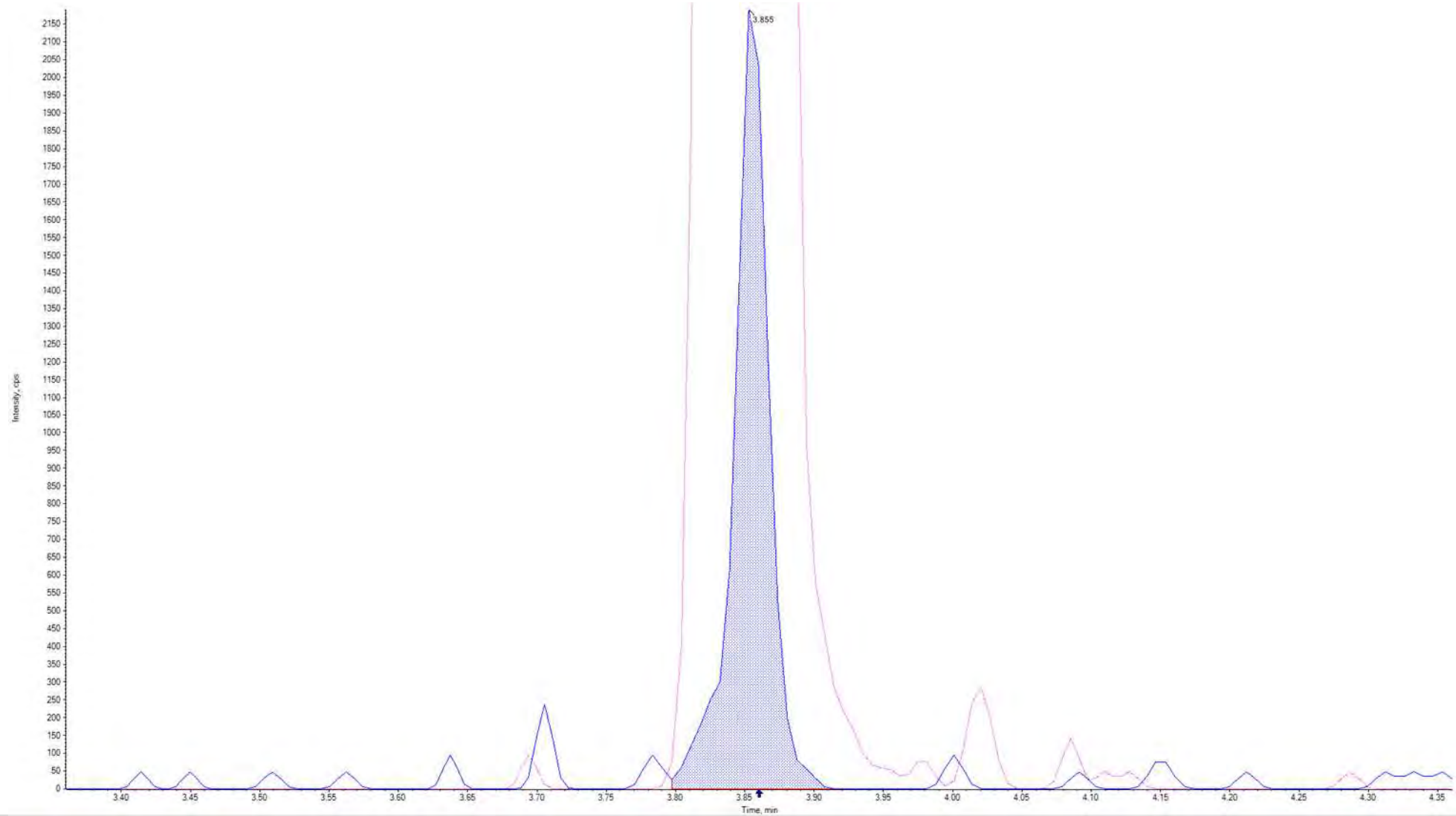
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDA
Sample: IA1633STD-.1 S/N:213.2 Points Across peak:19



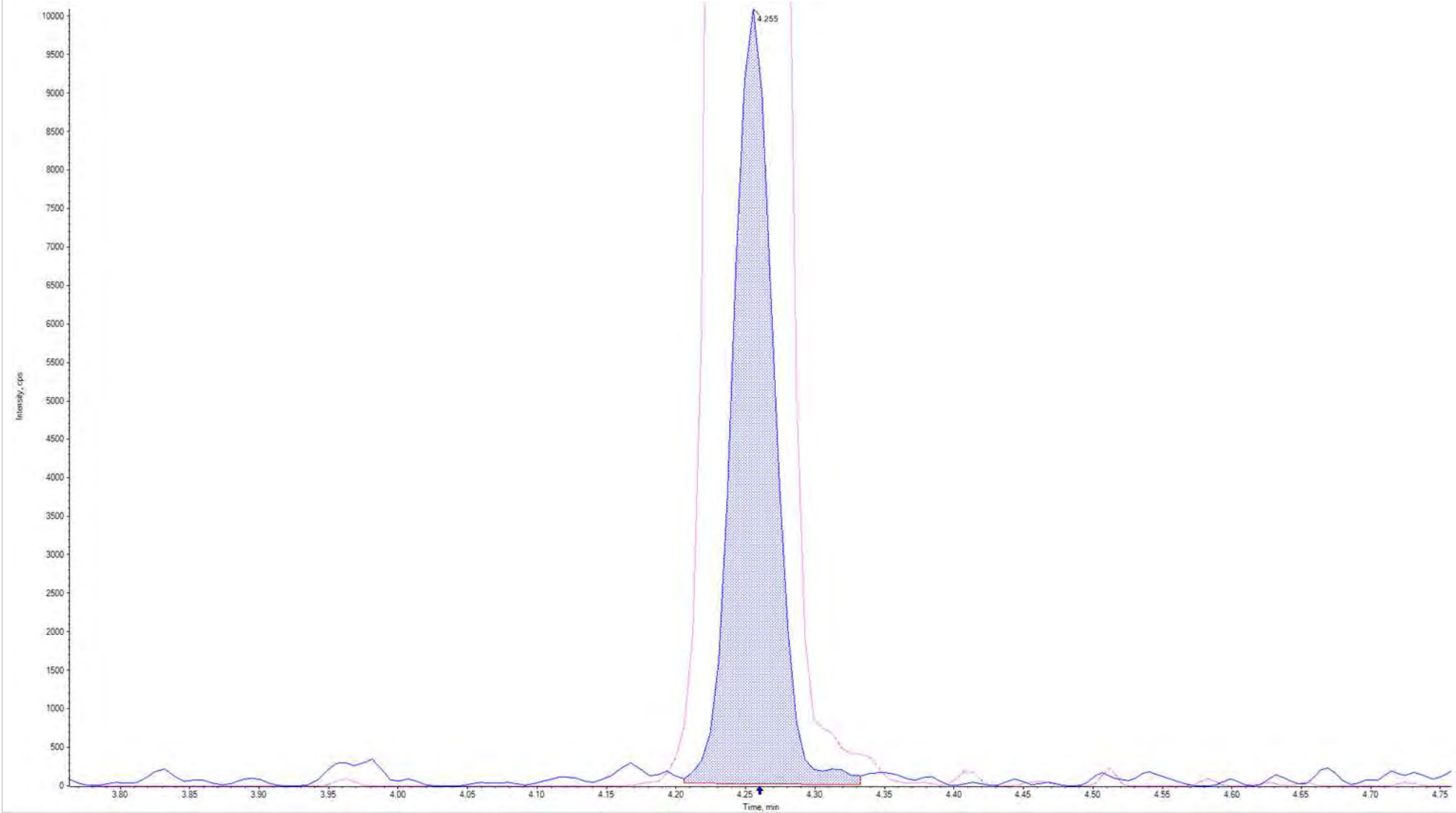
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDA_2
Sample: IA1633STD-.1 S/N:43.9 Points Across peak:23



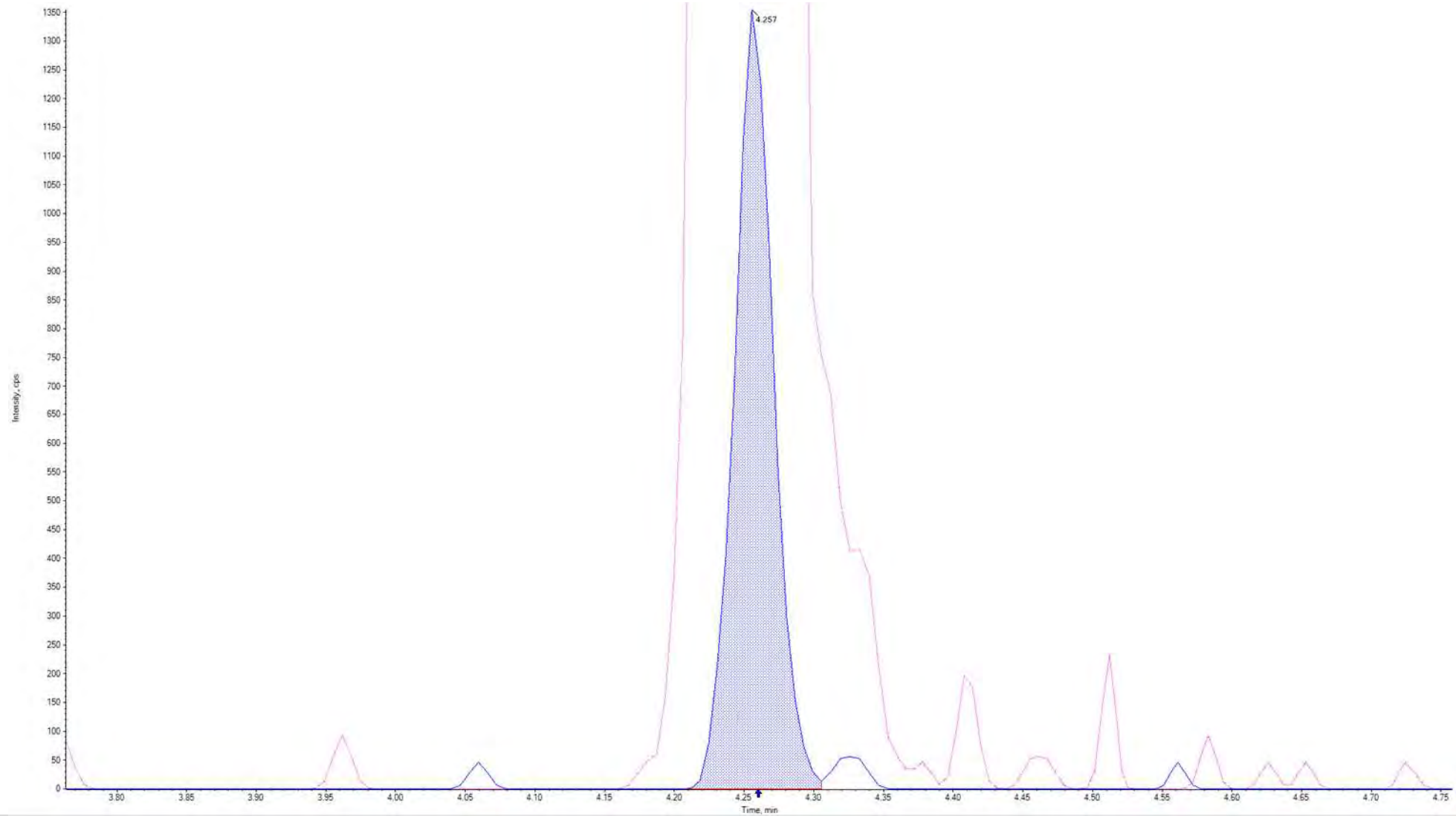
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFUnA
Sample: IA1633STD-.1 S/N:227.0 Points Across peak:21



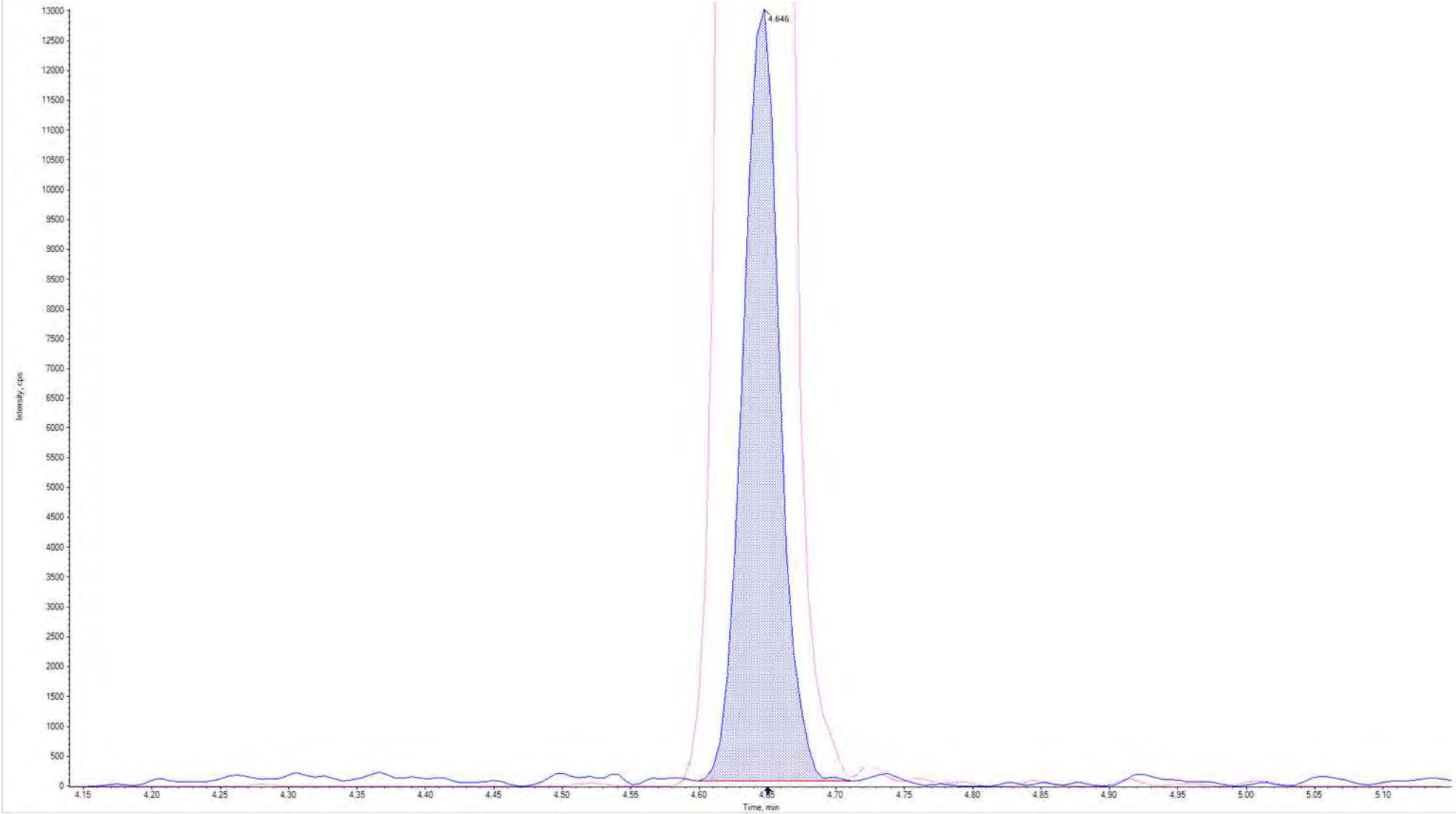
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFUnA_2
Sample: IA1633STD-.1 S/N:30.6 Points Across peak:21



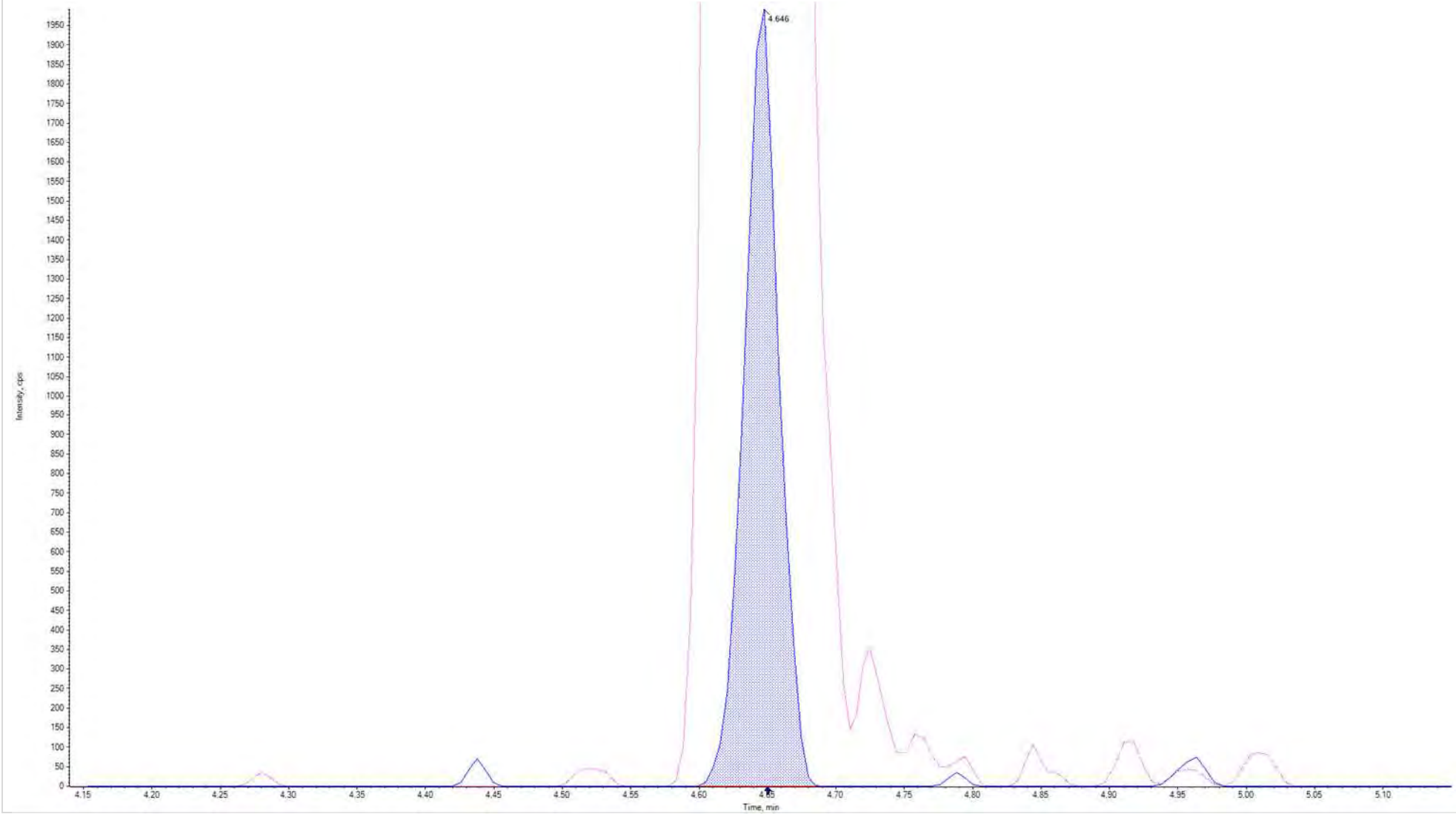
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoA
Sample: IA1633STD-.1 S/N:356.8 Points Across peak:23



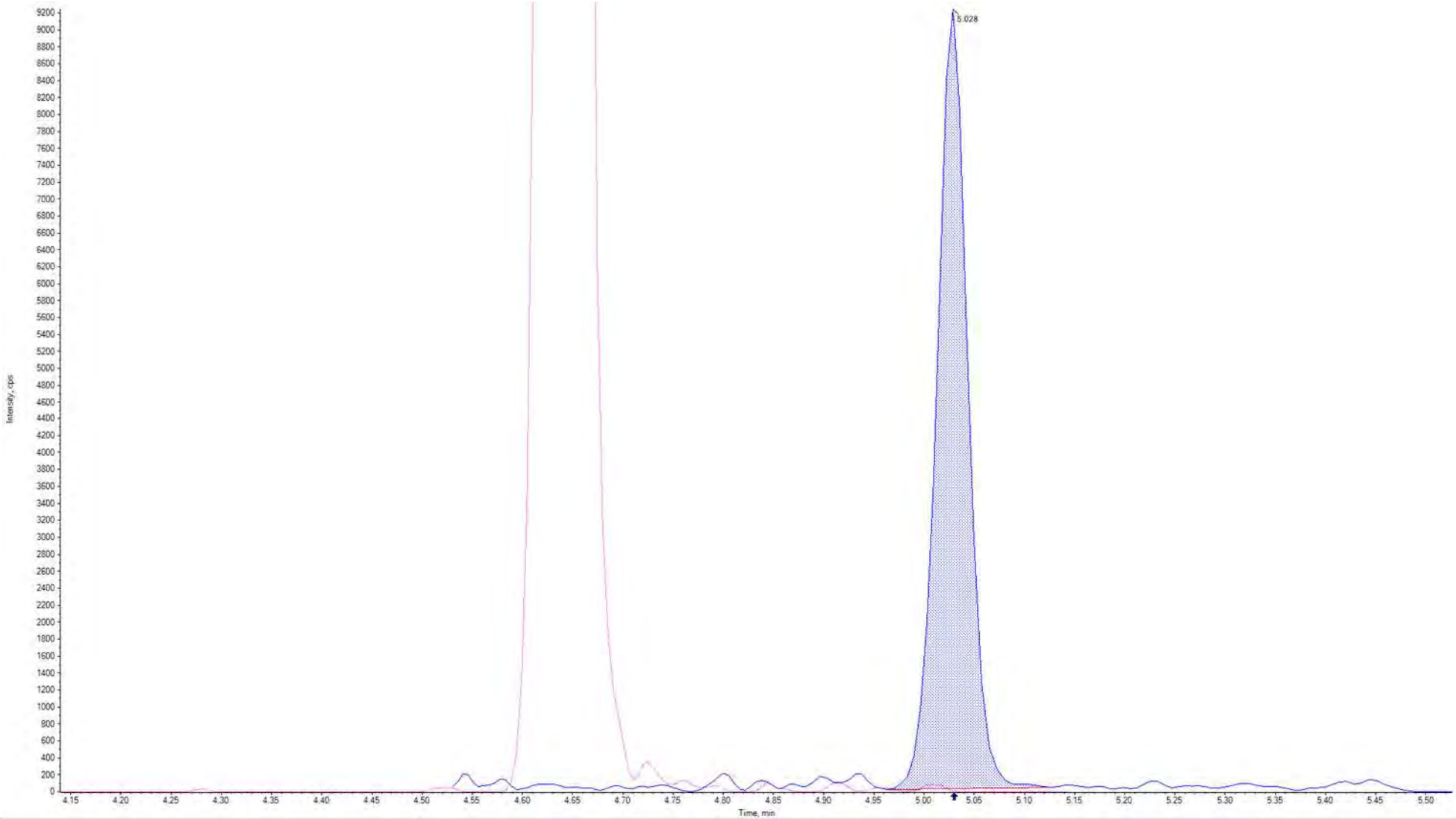
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoA_2
Sample: IA1633STD-.1 S/N:54.9 Points Across peak:27



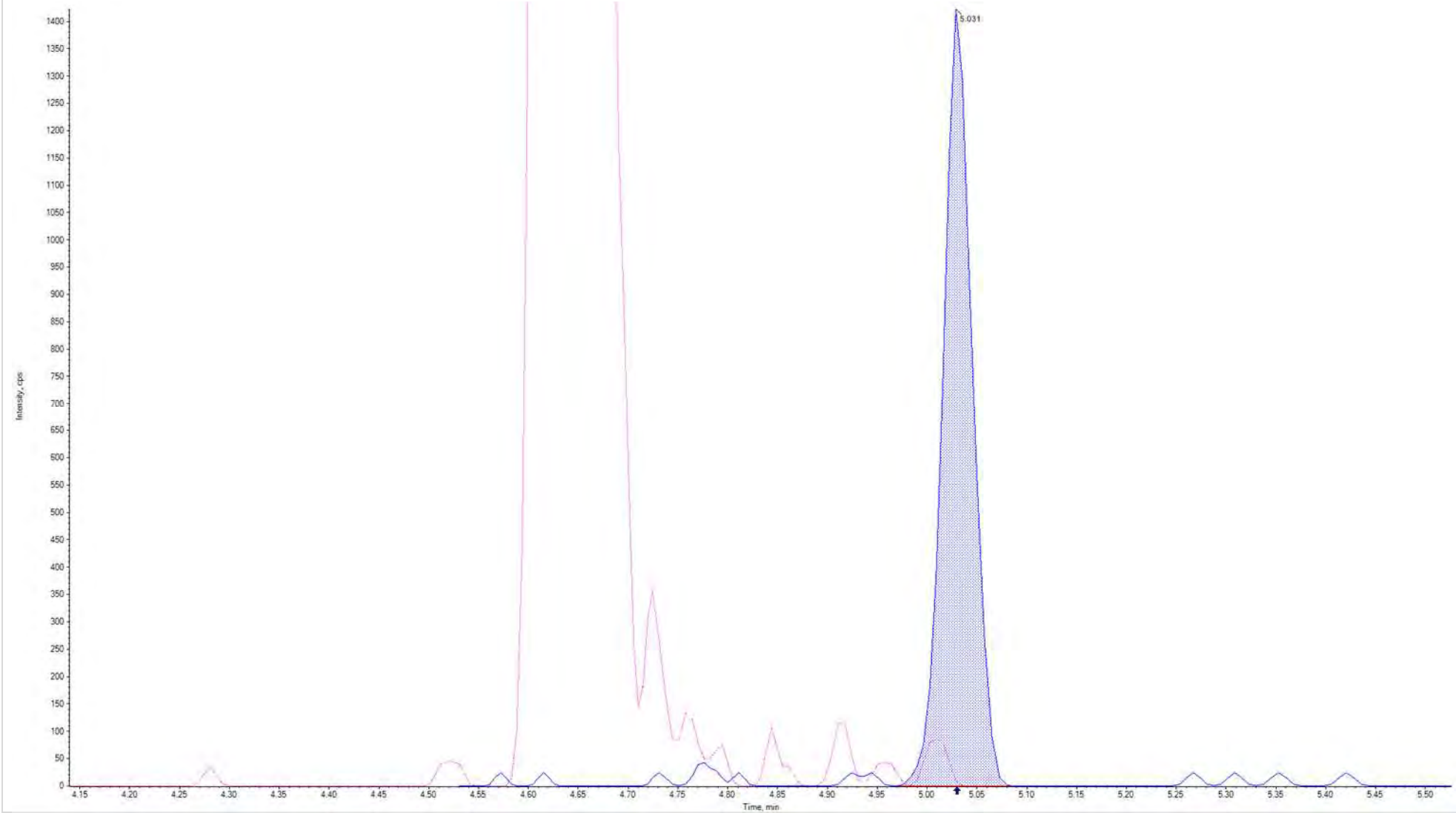
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFTrDA
Sample: IA1633STD-.1 S/N:369.3 Points Across peak:24



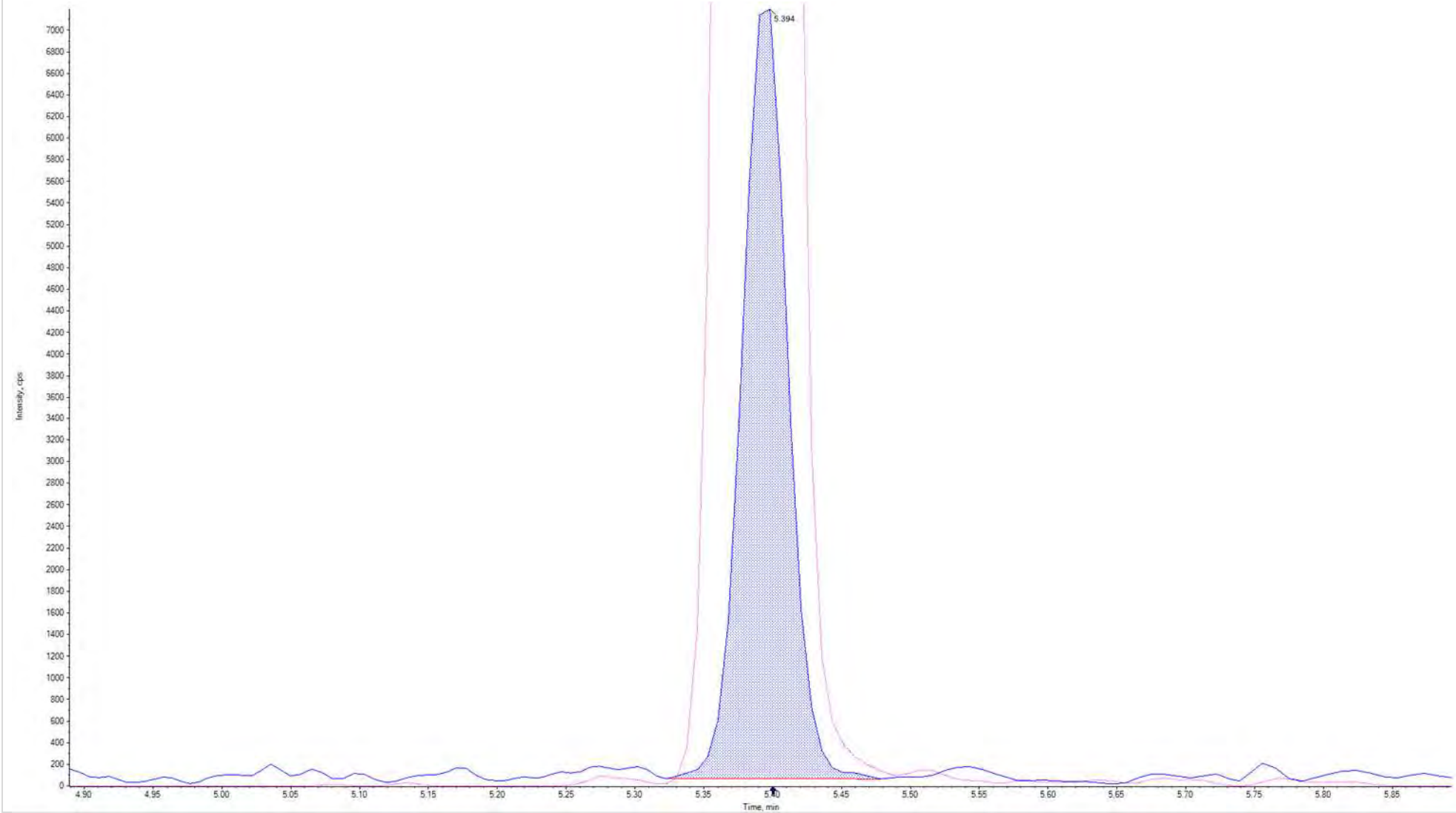
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFTrDA_2
Sample: IA1633STD-.1 S/N:57.1 Points Across peak:23



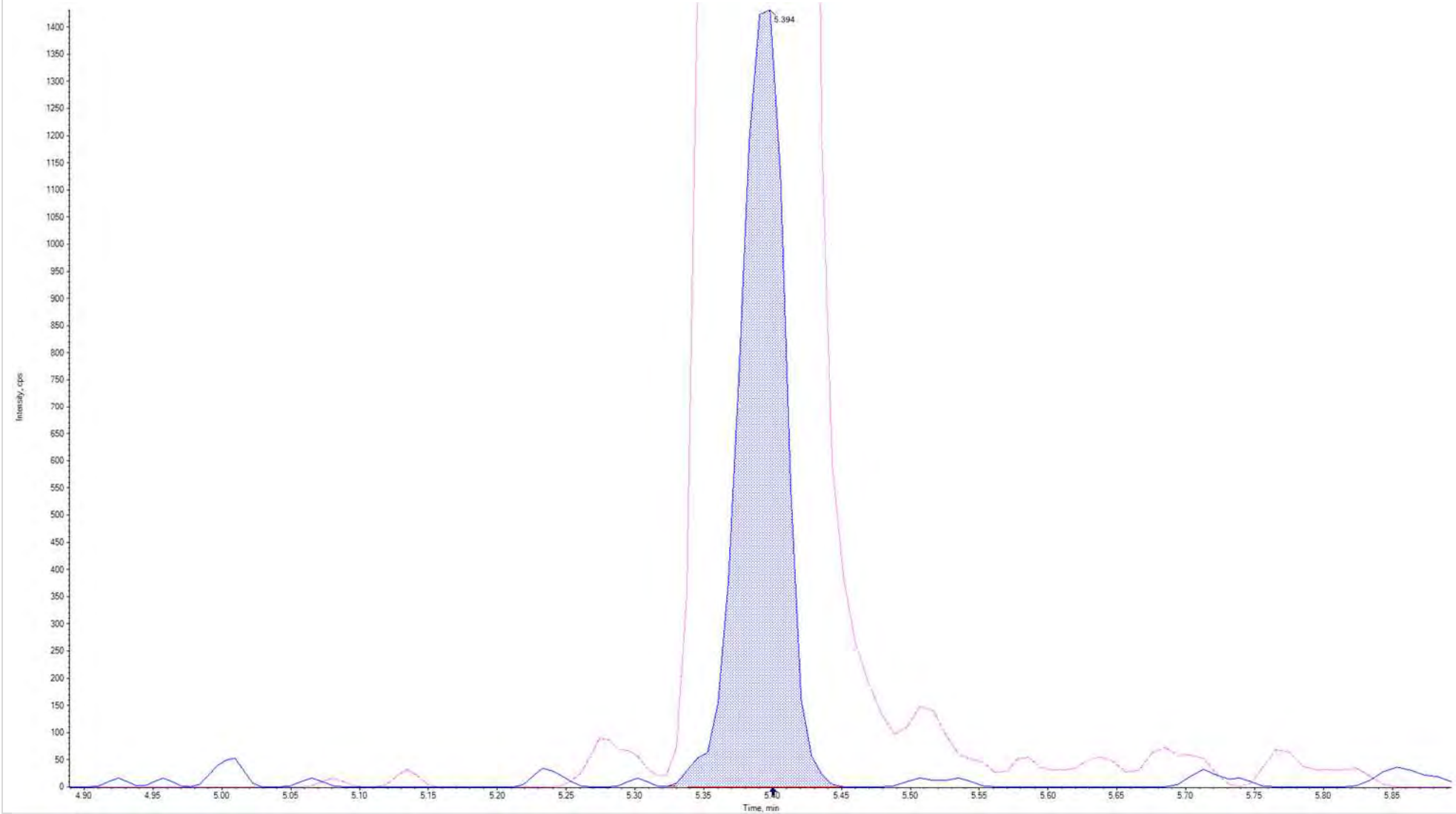
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFTeDA
Sample: IA1633STD-.1 S/N:446.7 Points Across peak:21



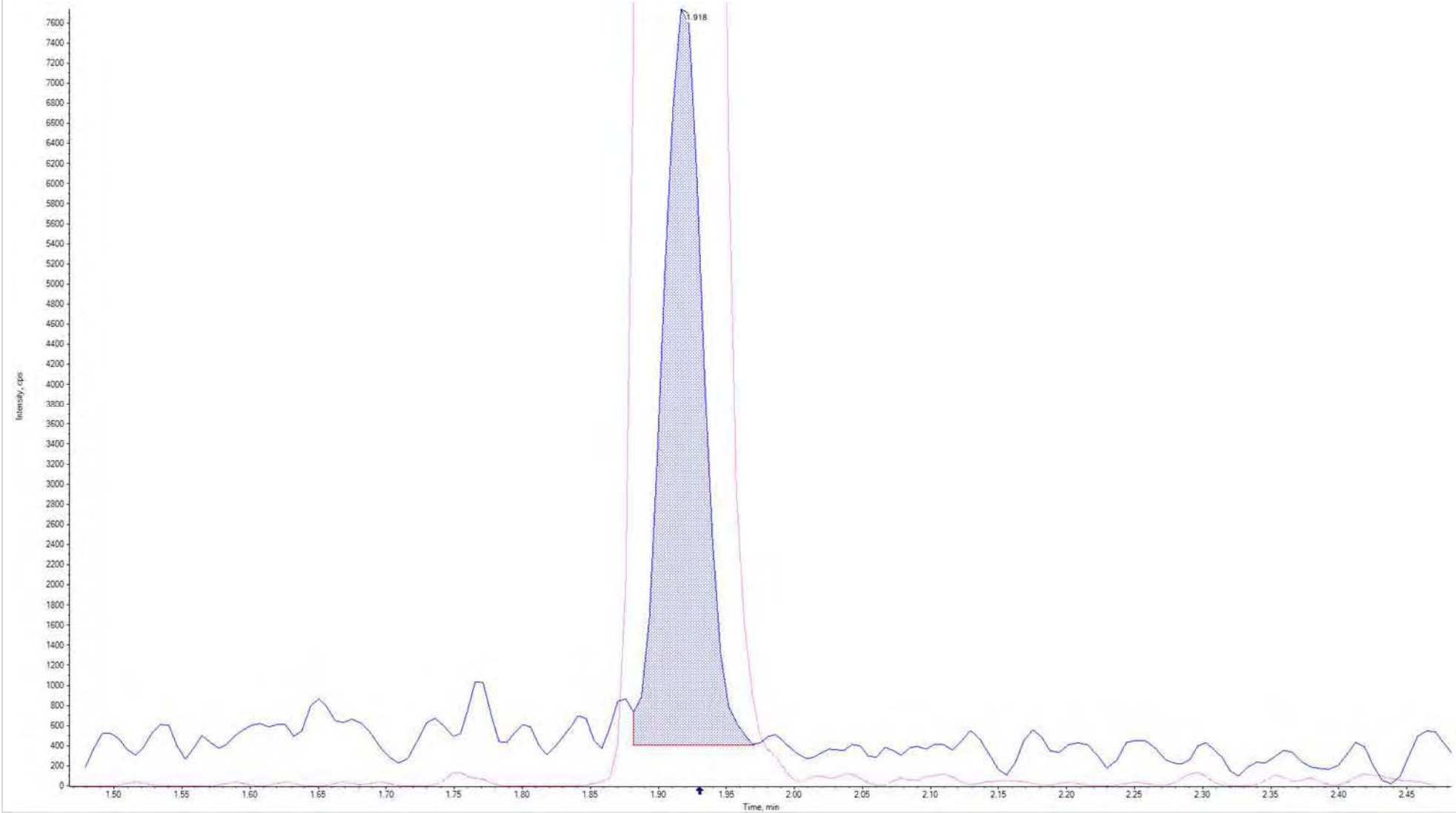
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFTeDA_2
Sample: IA1633STD-.1 S/N:89.7 Points Across peak:19



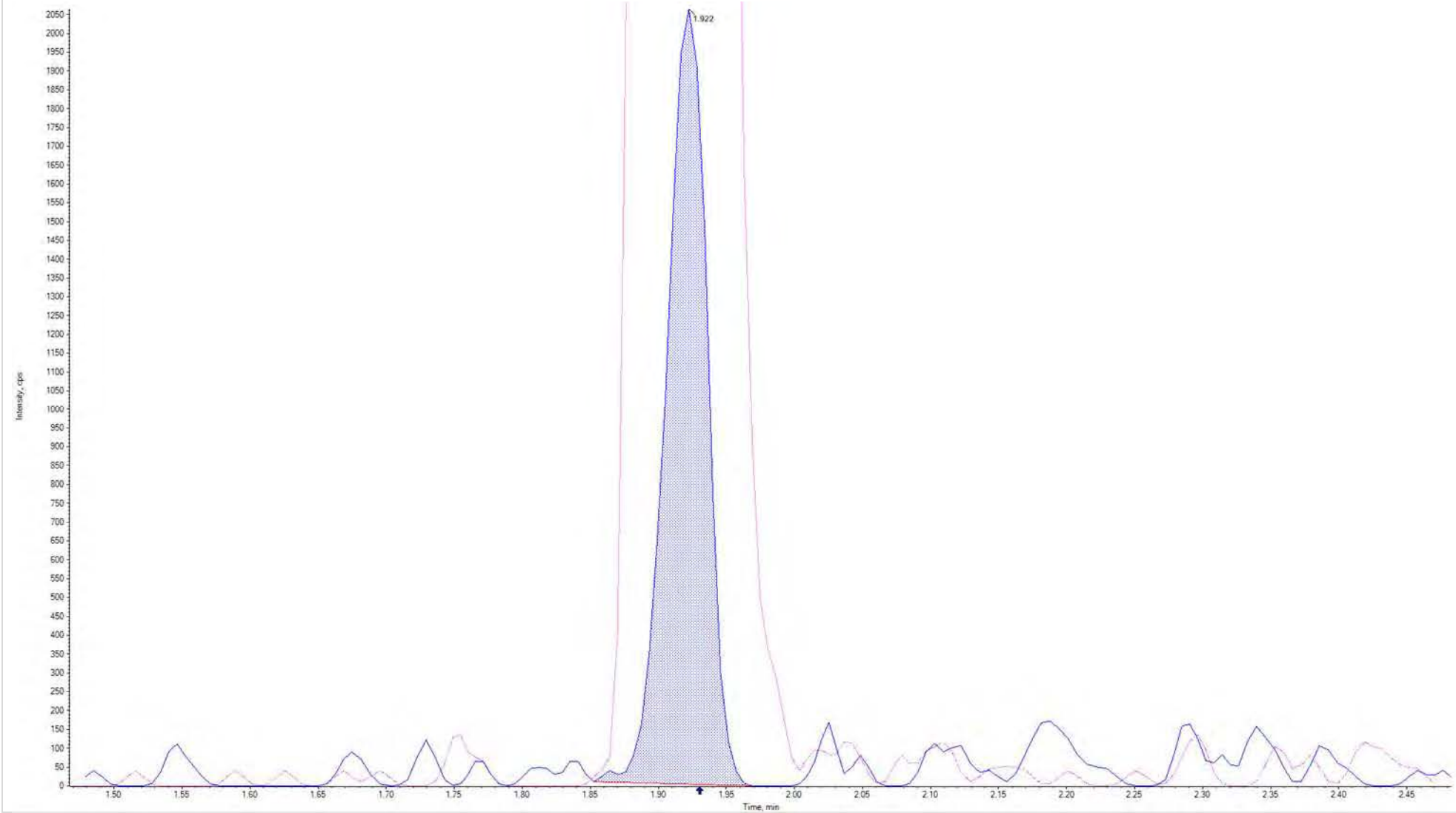
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFBS
Sample: IA1633STD-.1 S/N:183.8 Points Across peak:18



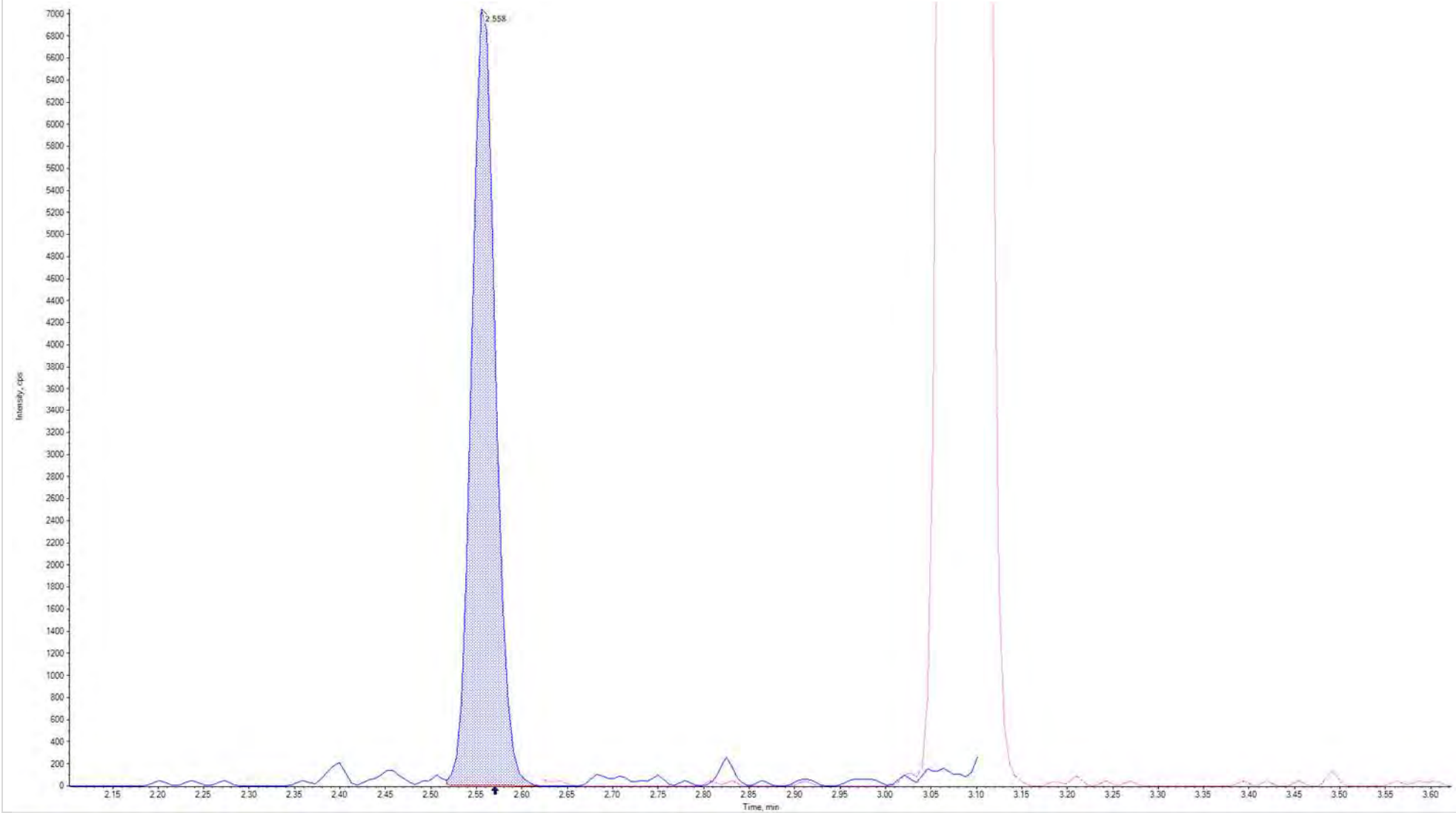
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFBS_2
Sample: IA1633STD-.1 S/N:51.6 Points Across peak:21



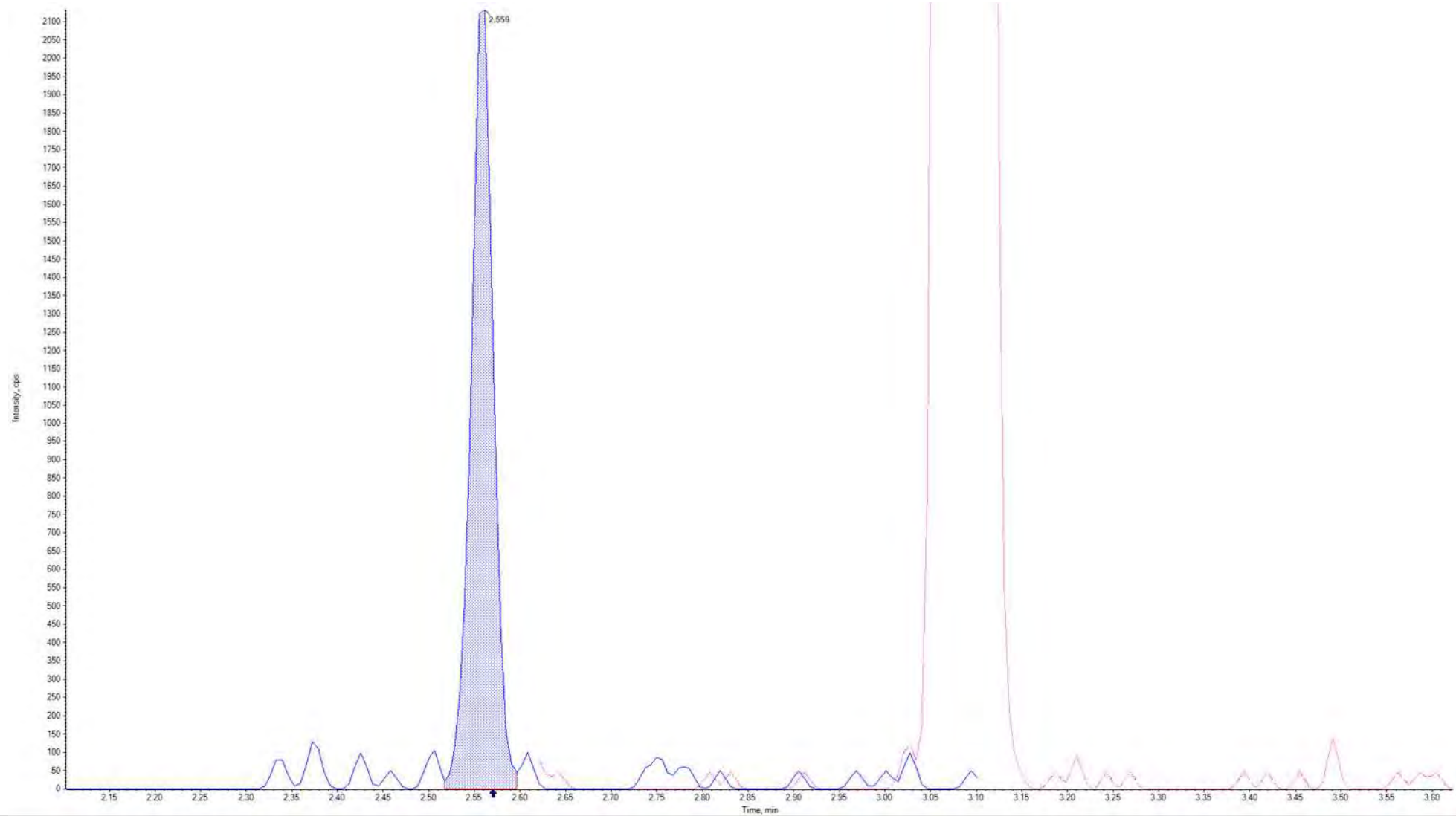
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFPeS
Sample: IA1633STD-.1 S/N:141.1 Points Across peak:19



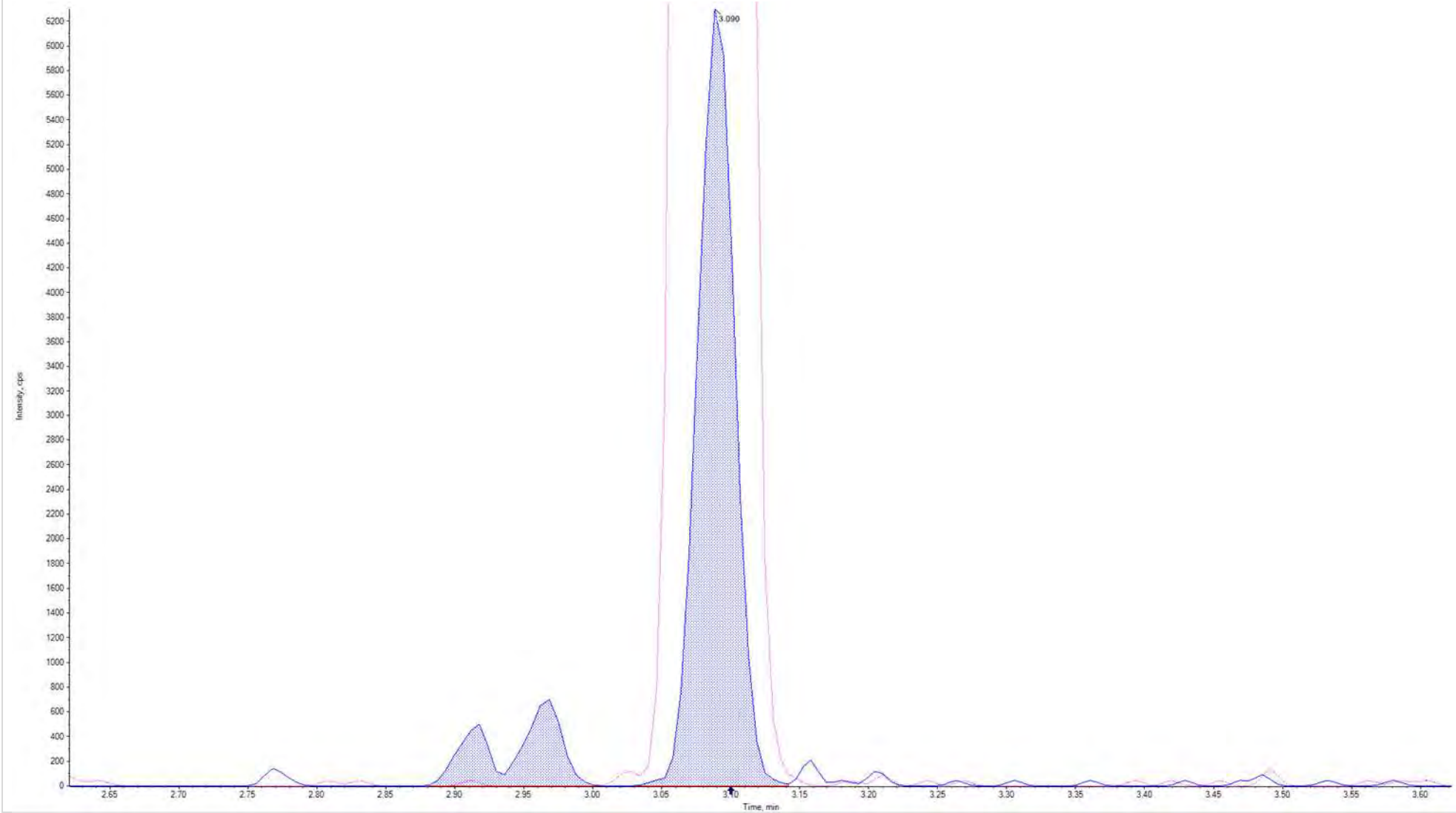
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFPeS_2
Sample: IA1633STD-.1 S/N:42.8 Points Across peak:15



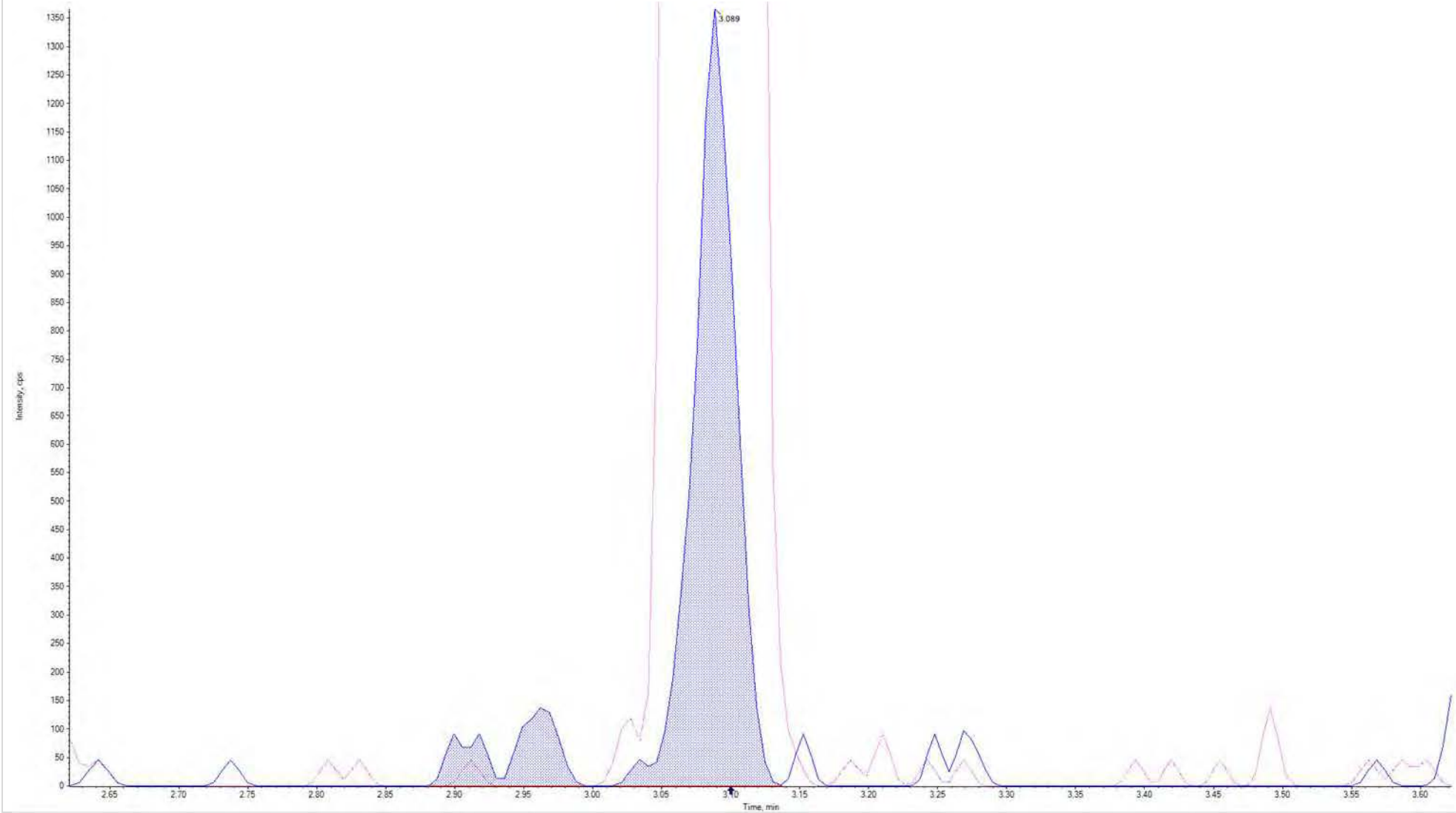
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHxS
Sample: IA1633STD-.1 S/N:142.1 Points Across peak:44



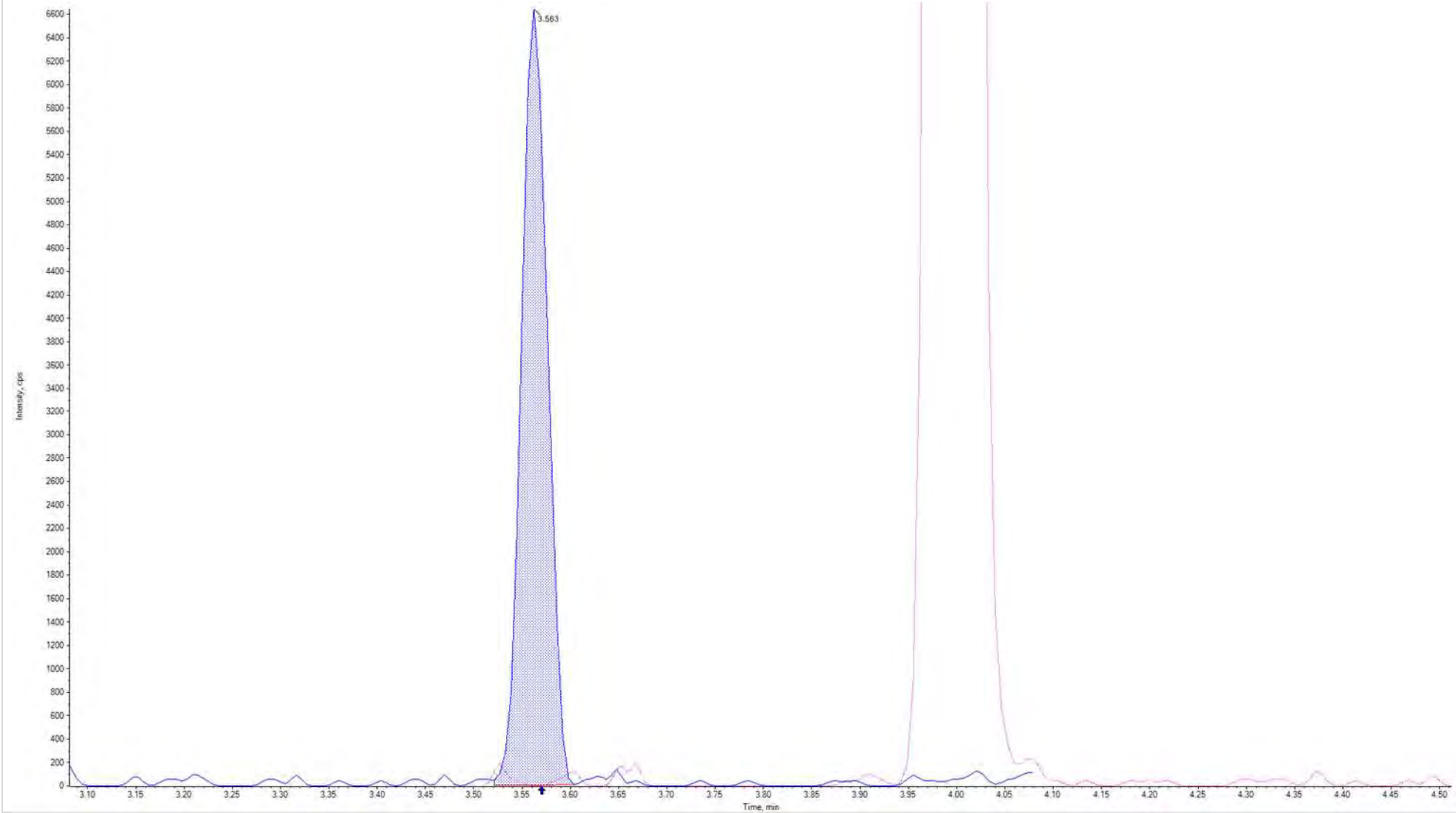
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHxS_2
Sample: IA1633STD-.1 S/N:30.8 Points Across peak:43



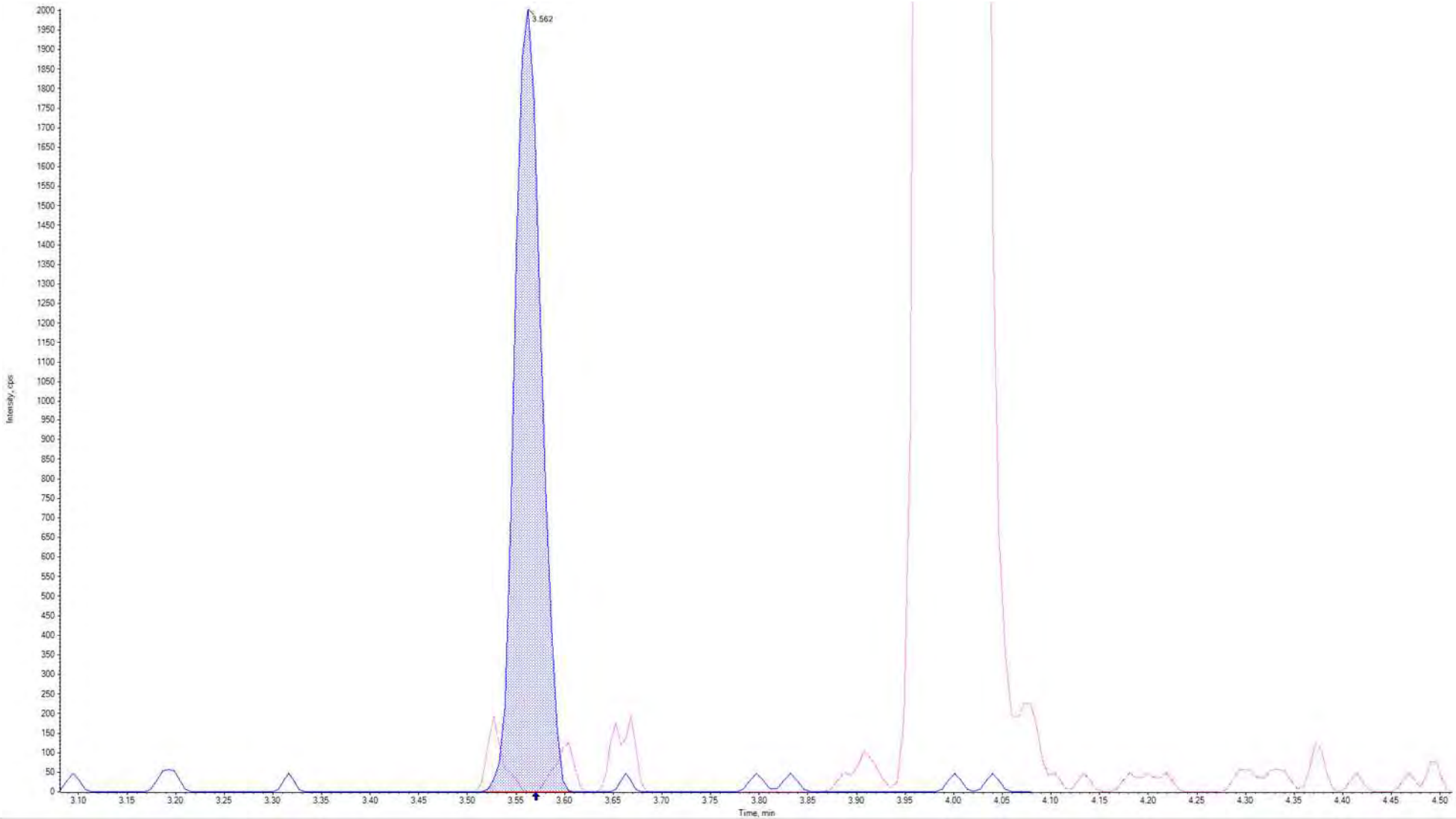
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHpS
Sample: IA1633STD-.1 S/N:133.1 Points Across peak:15



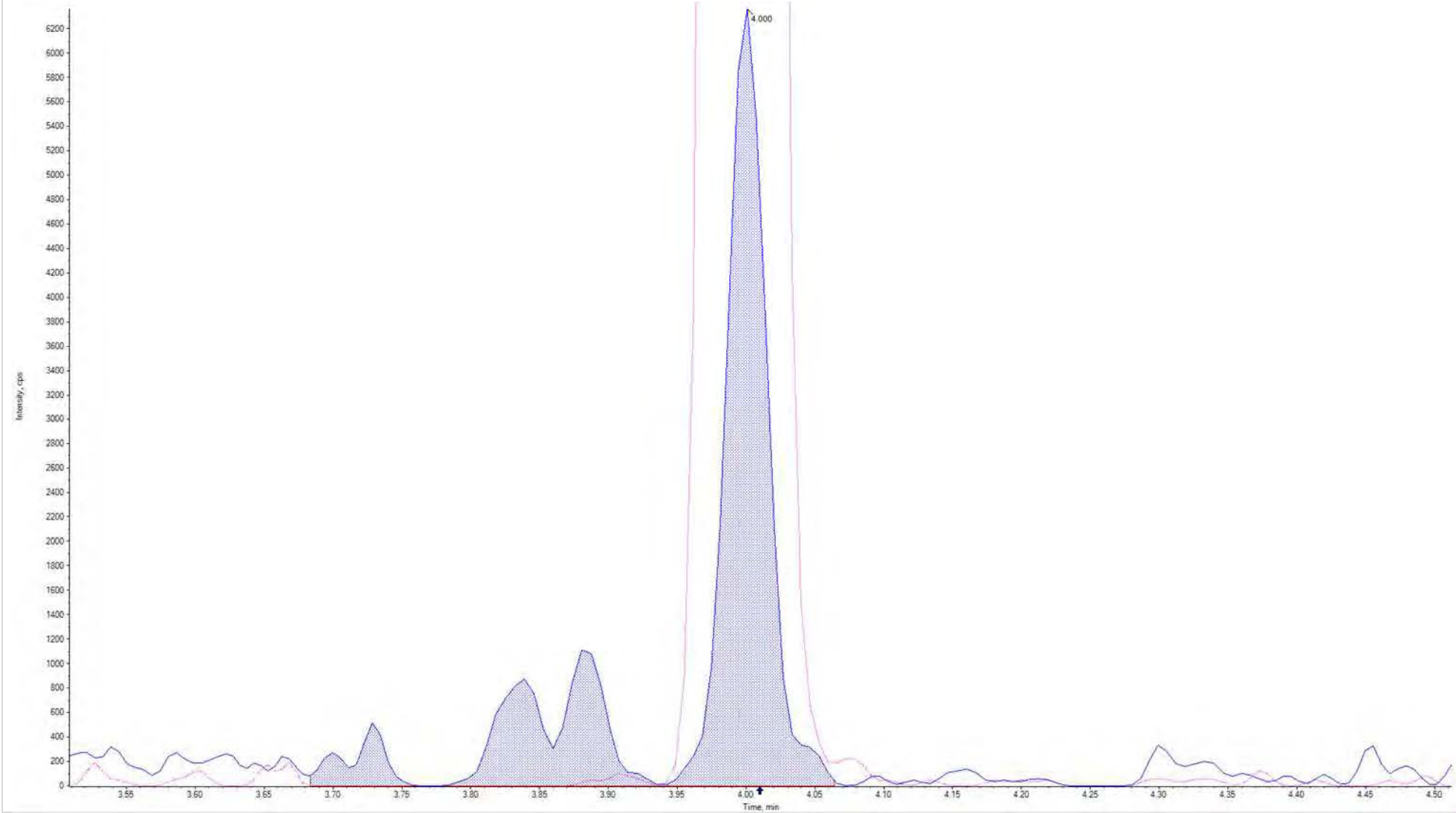
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHpS_2
Sample: IA1633STD-.1 S/N:40.2 Points Across peak:25



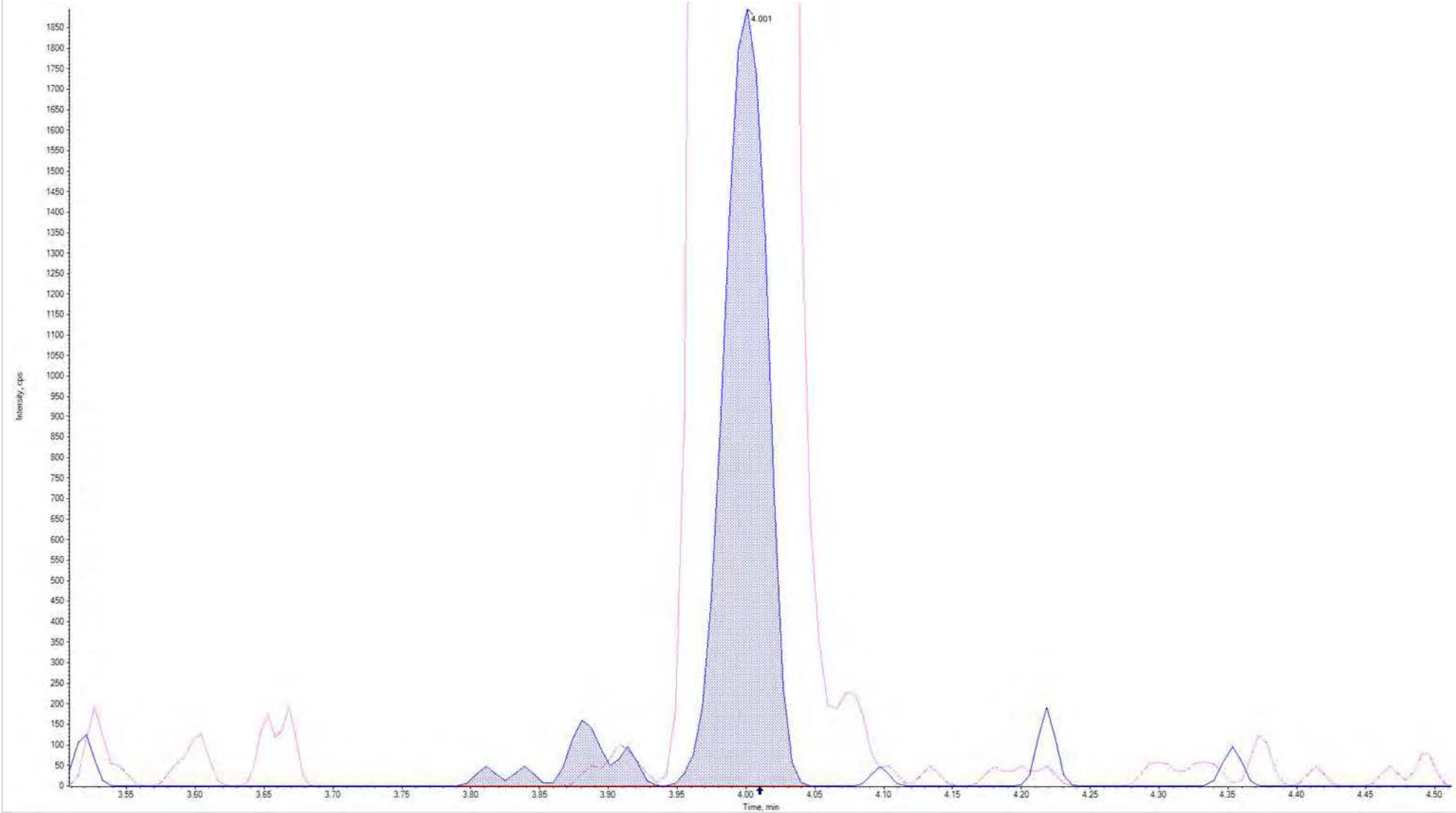
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOS
Sample: IA1633STD-.1 S/N:84.4 Points Across peak:60



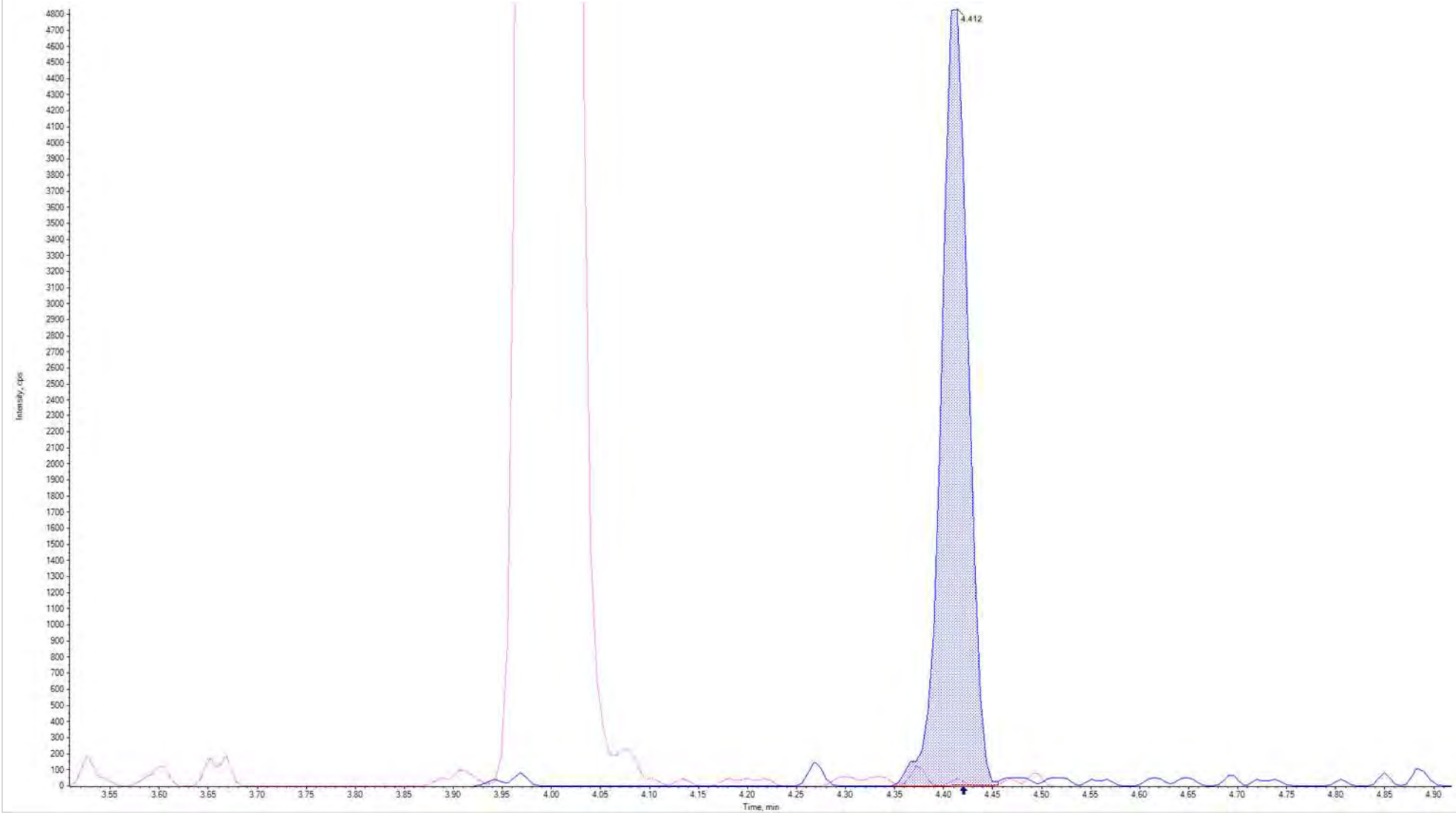
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOS_2
Sample: IA1633STD-.1 S/N:38.0 Points Across peak:41



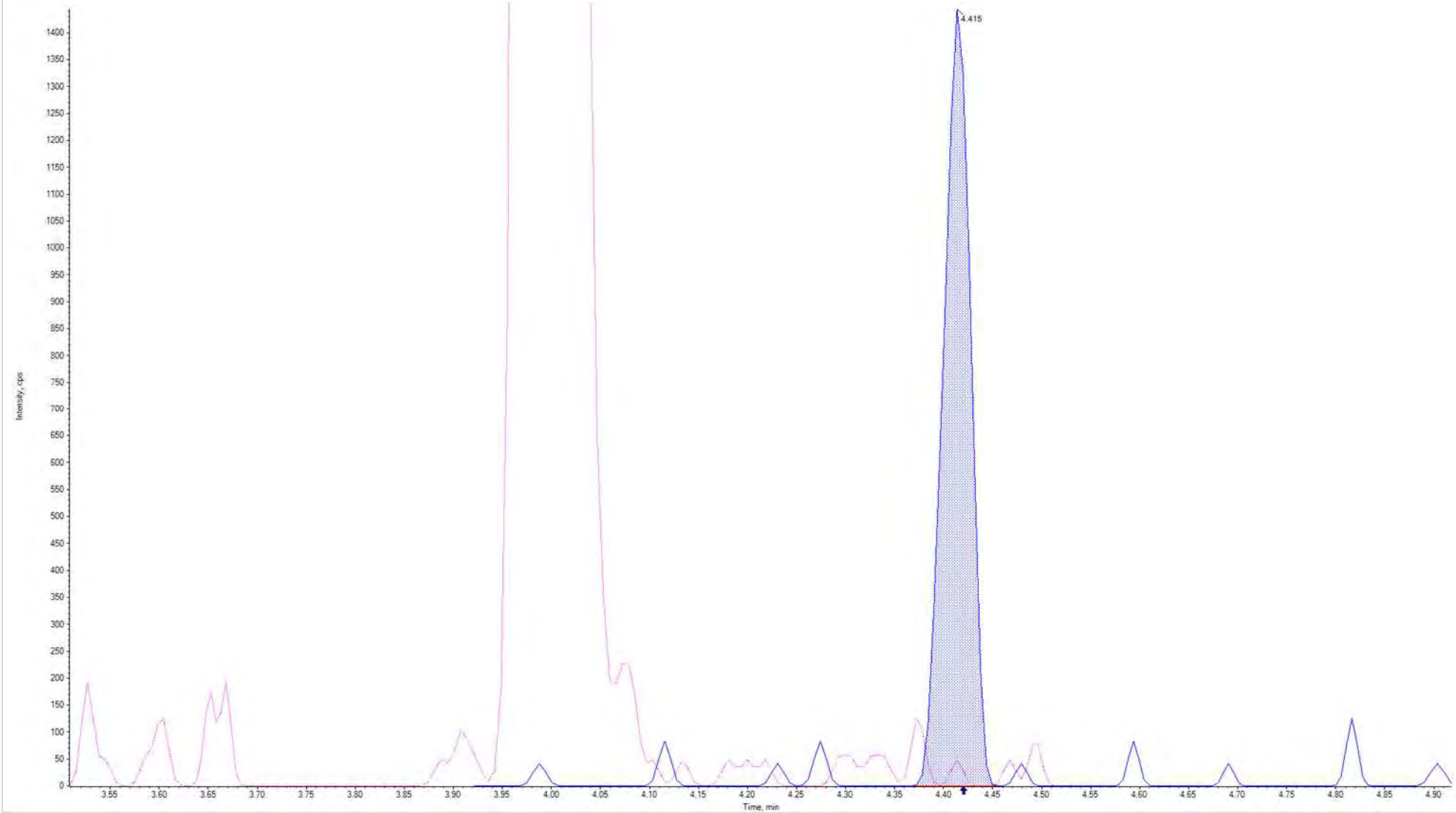
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFNS
Sample: IA1633STD-.1 S/N:121.1 Points Across peak:20



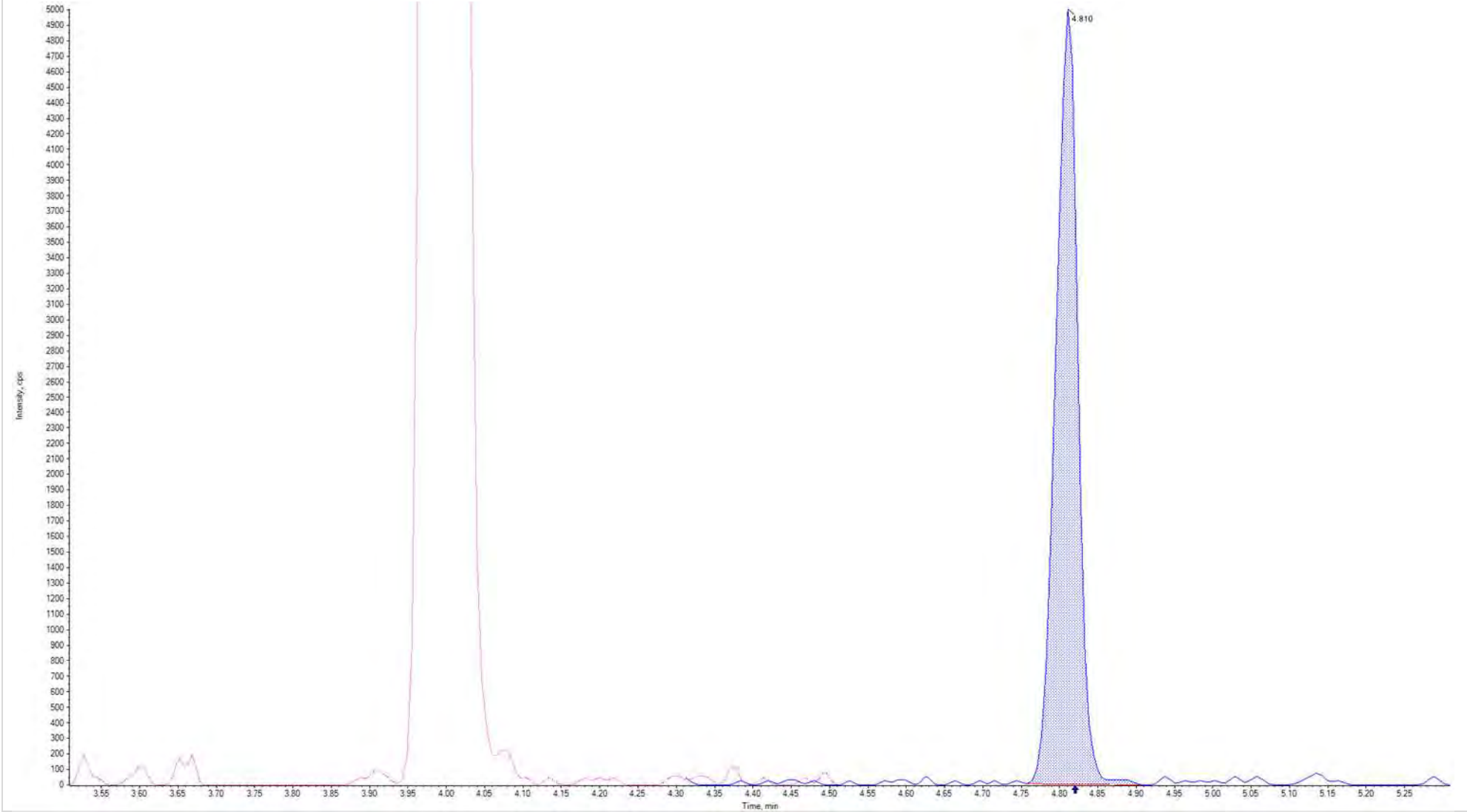
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFNS_2
Sample: IA1633STD-.1 S/N:36.2 Points Across peak:20



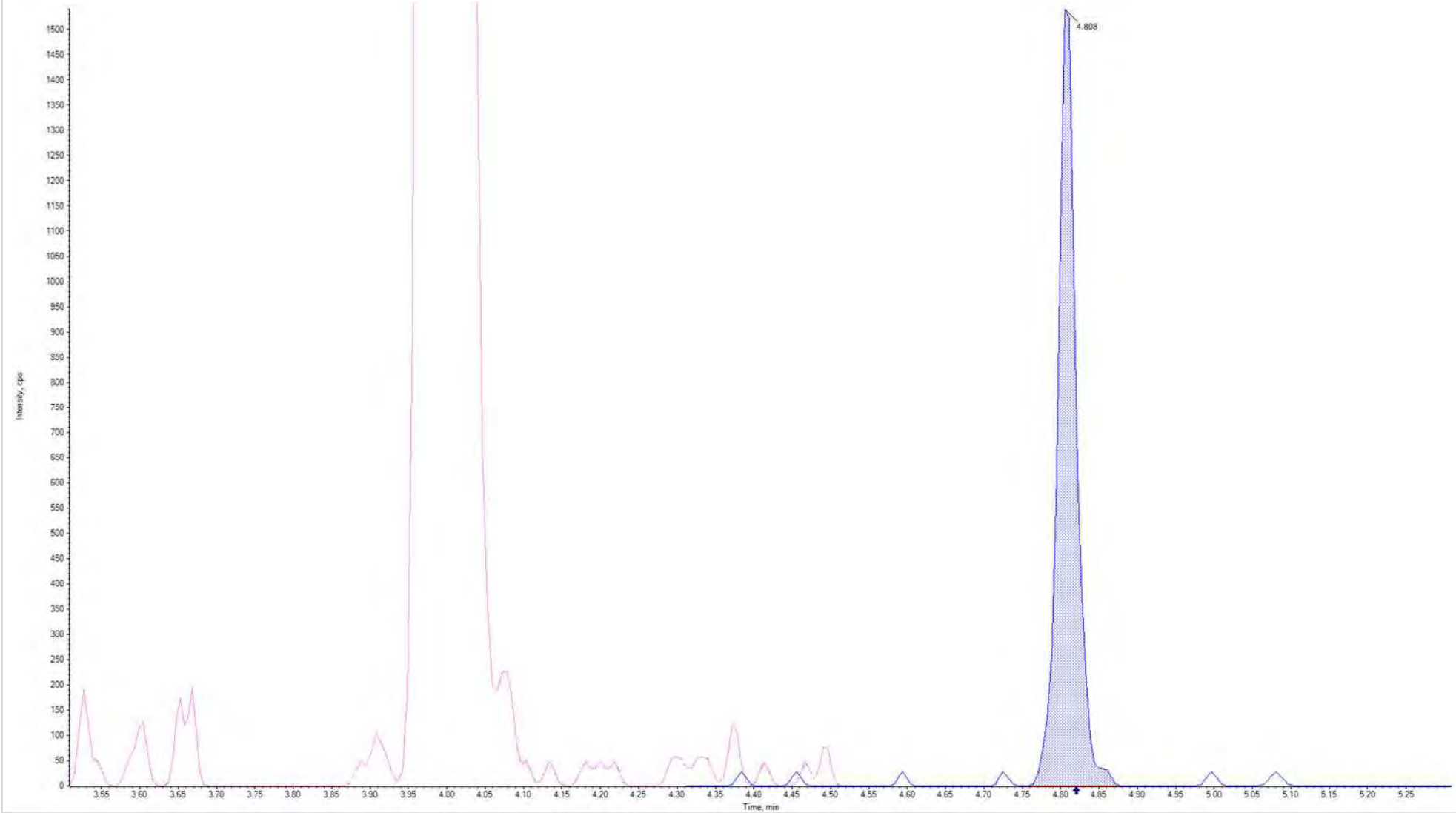
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDS
Sample: IA1633STD-.1 S/N:175.4 Points Across peak:27



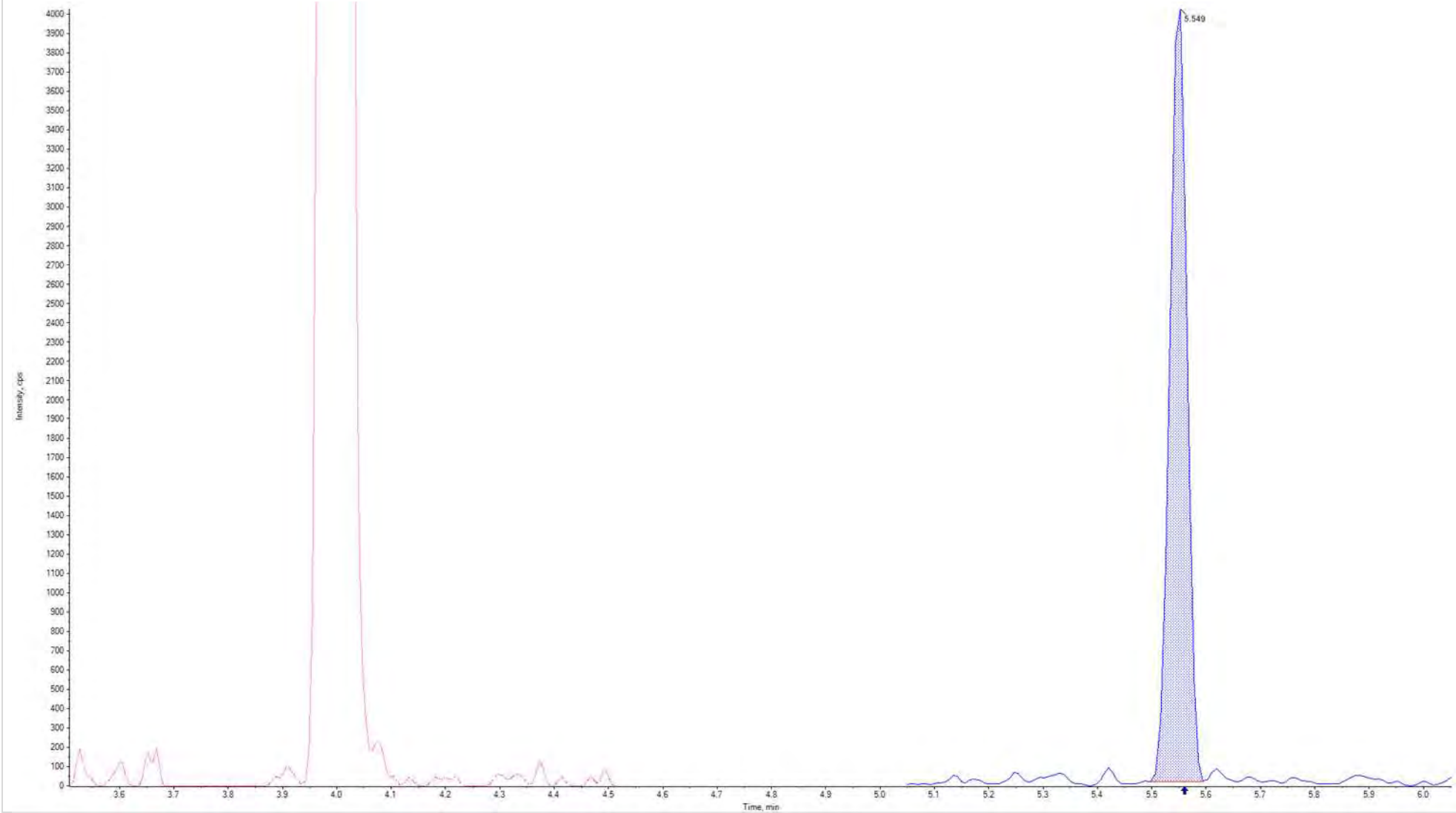
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDS_2
Sample: IA1633STD-.1 S/N:54.0 Points Across peak:28



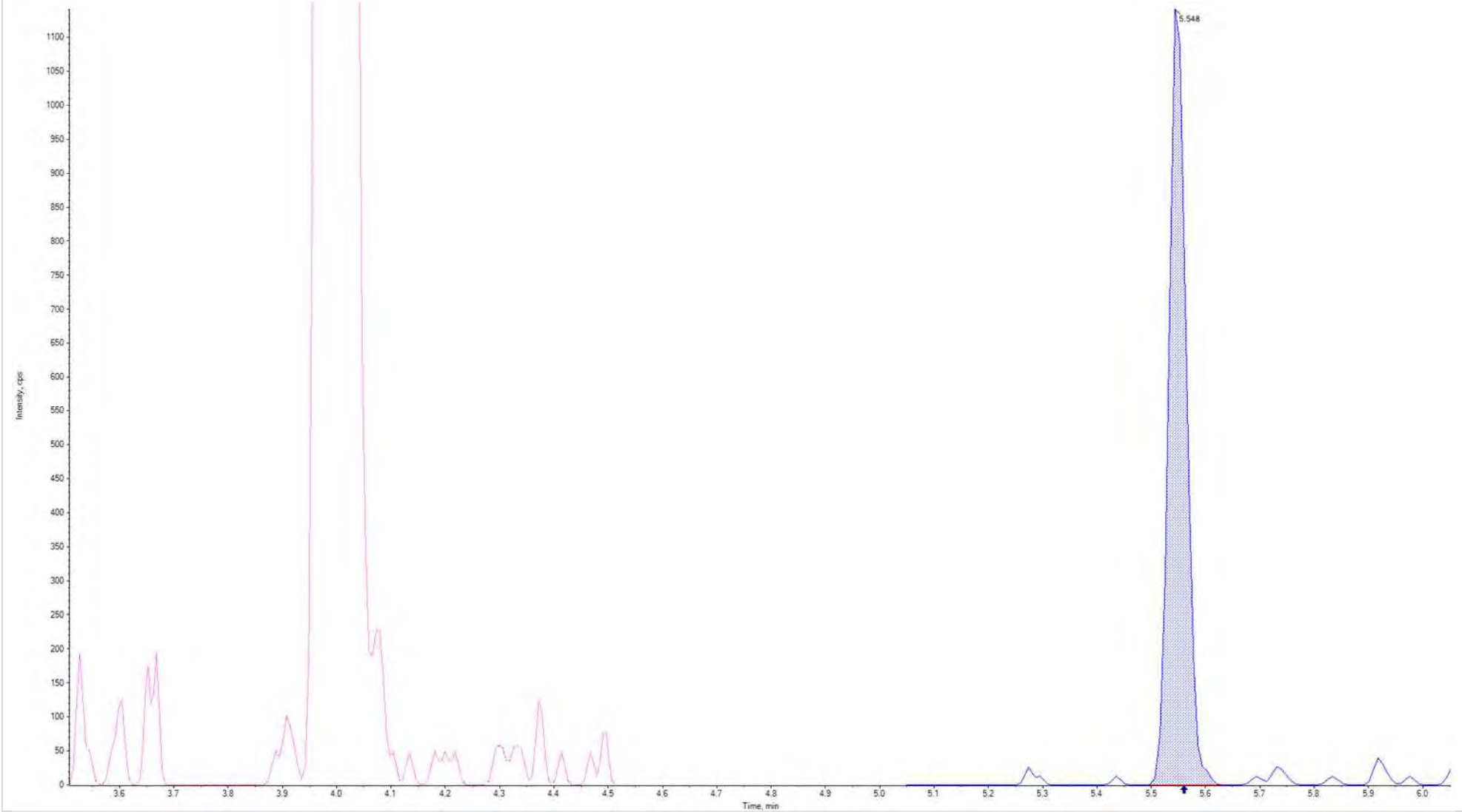
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoS
Sample: IA1633STD-.1 S/N:311.2 Points Across peak:12



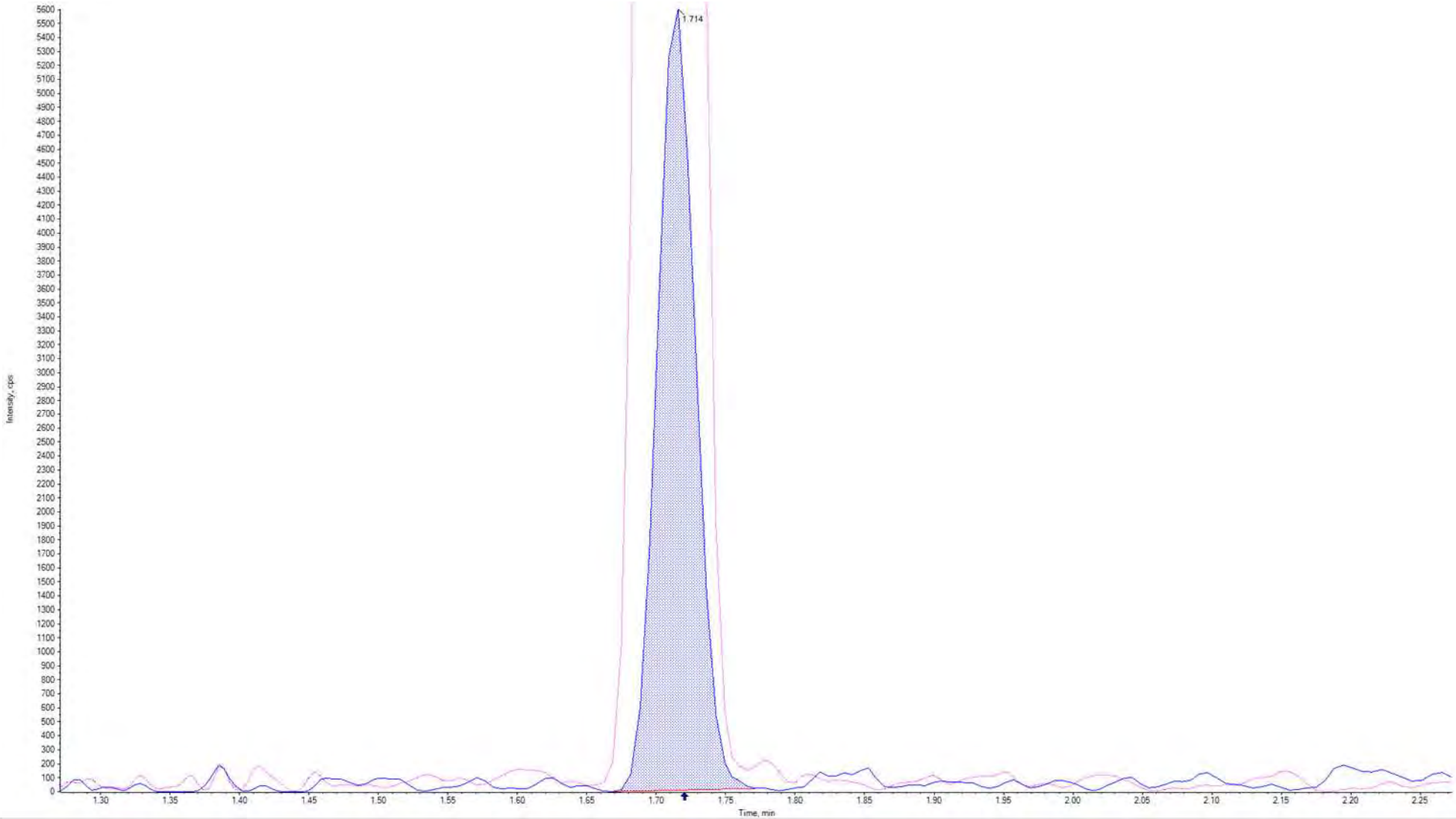
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoS_2
Sample: IA1633STD-.1 S/N:88.7 Points Across peak:20



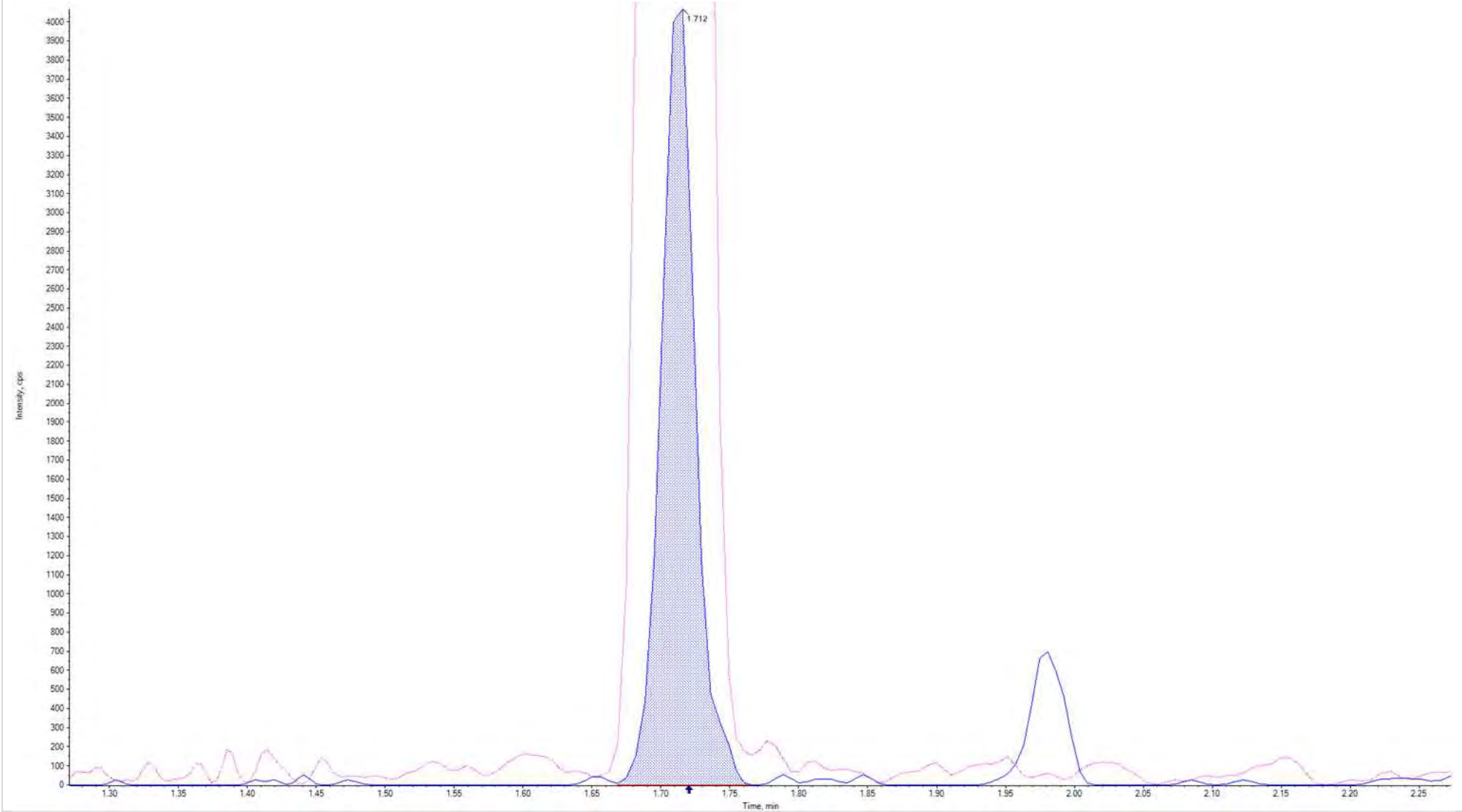
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

4:2FTS
Sample: IA1633STD-.1 S/N:210.2 Points Across peak:17



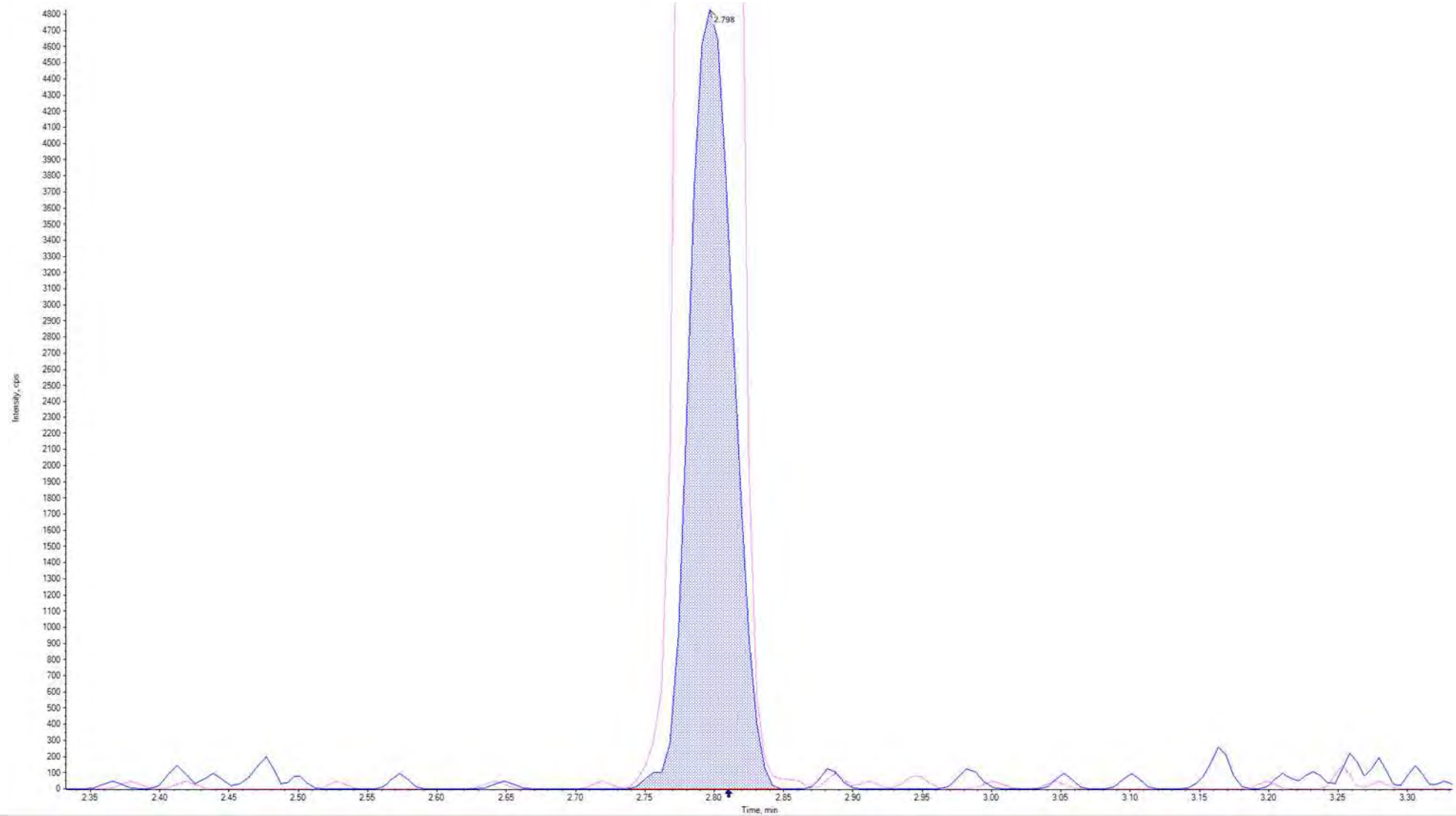
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

4:2FTS_2
Sample: IA1633STD-.1 S/N:152.9 Points Across peak:17



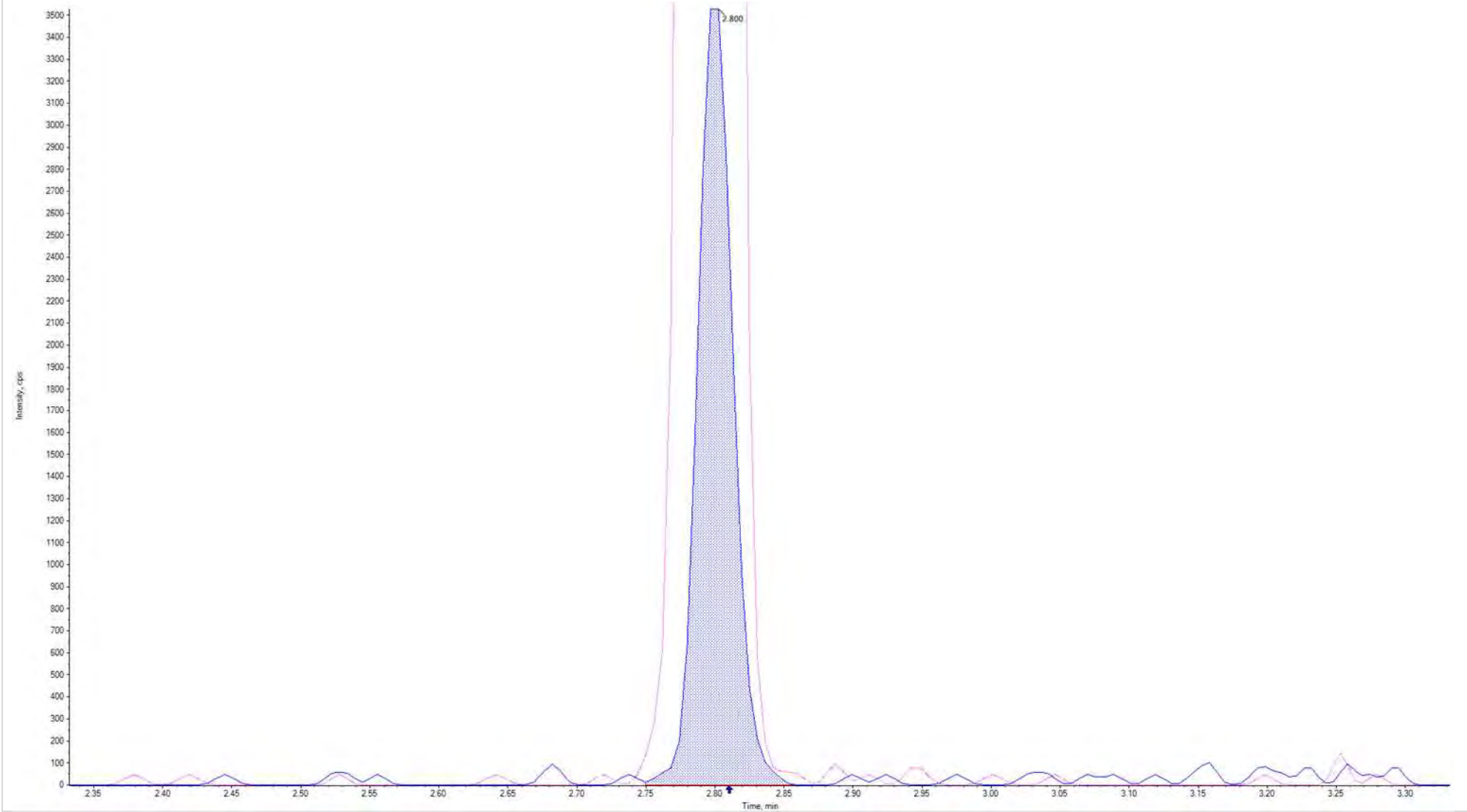
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

6:2FTS
Sample: IA1633STD-.1 S/N:96.8 Points Across peak:24



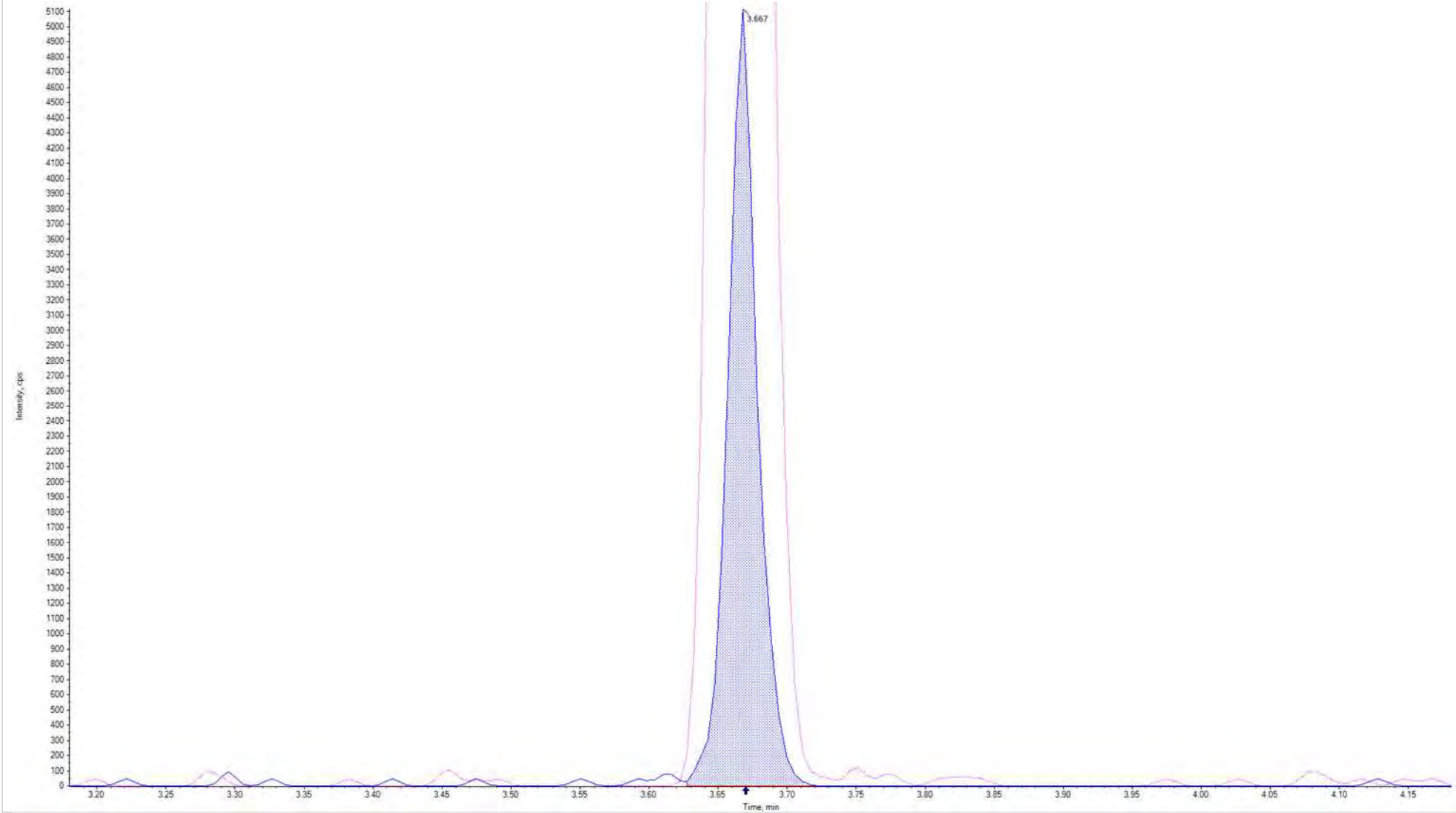
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

6:2FTS_2
Sample: IA1633STD-.1 S/N:70.7 Points Across peak:22



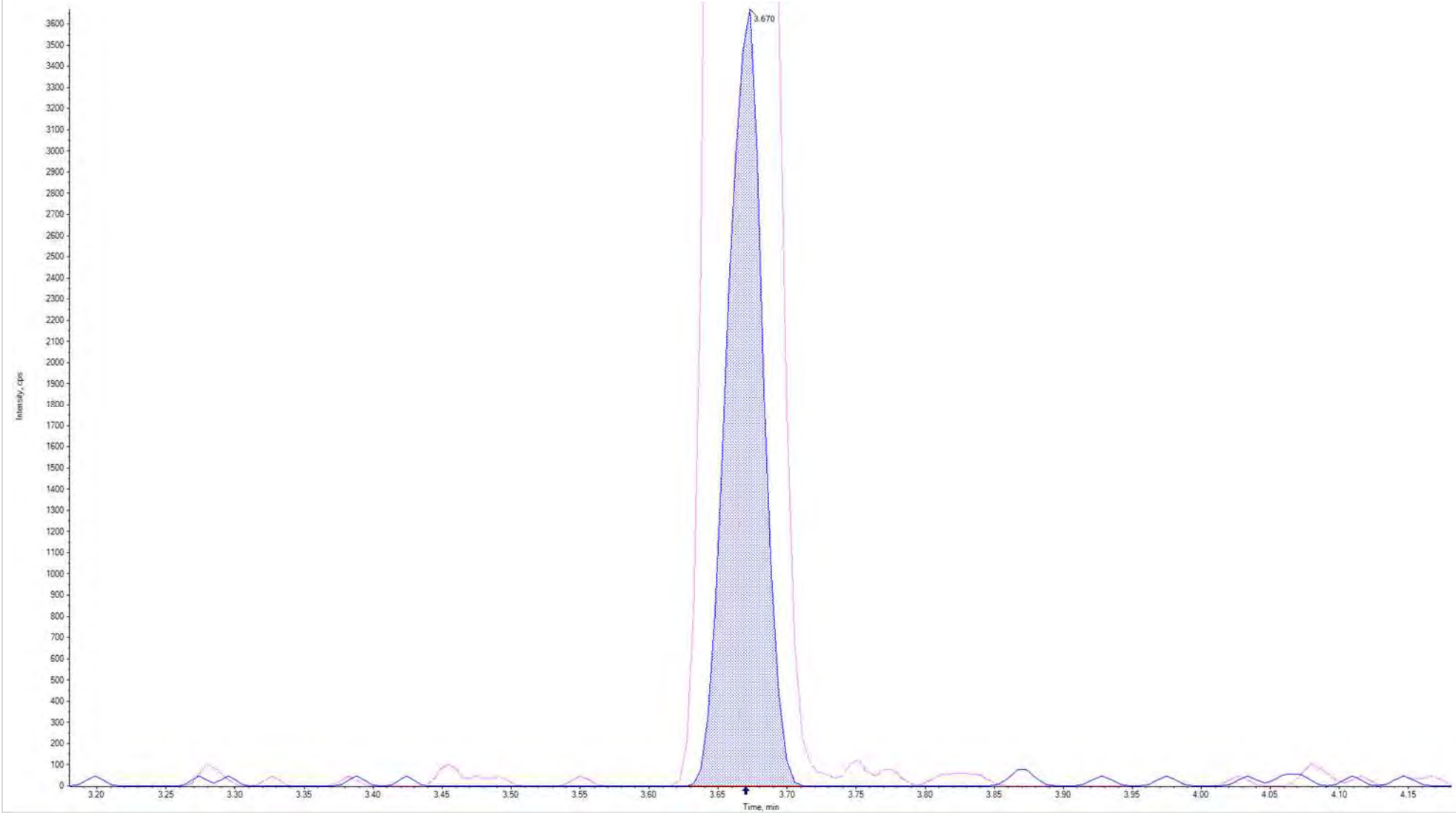
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

8:2FTS
Sample: IA1633STD-.1 S/N:102.6 Points Across peak:24



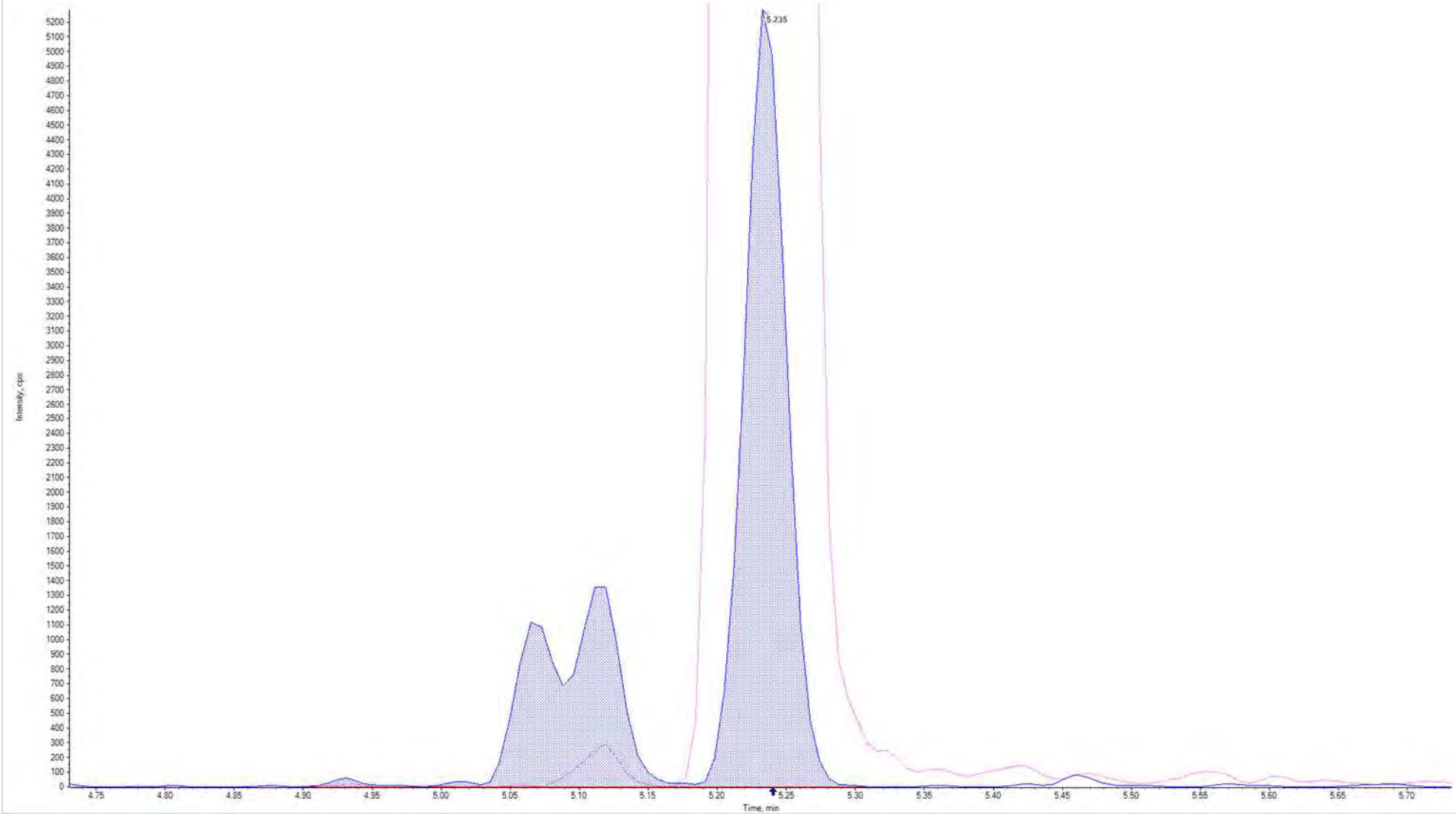
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

8:2FTS_2
Sample: IA1633STD-.1 S/N:73.6 Points Across peak:27



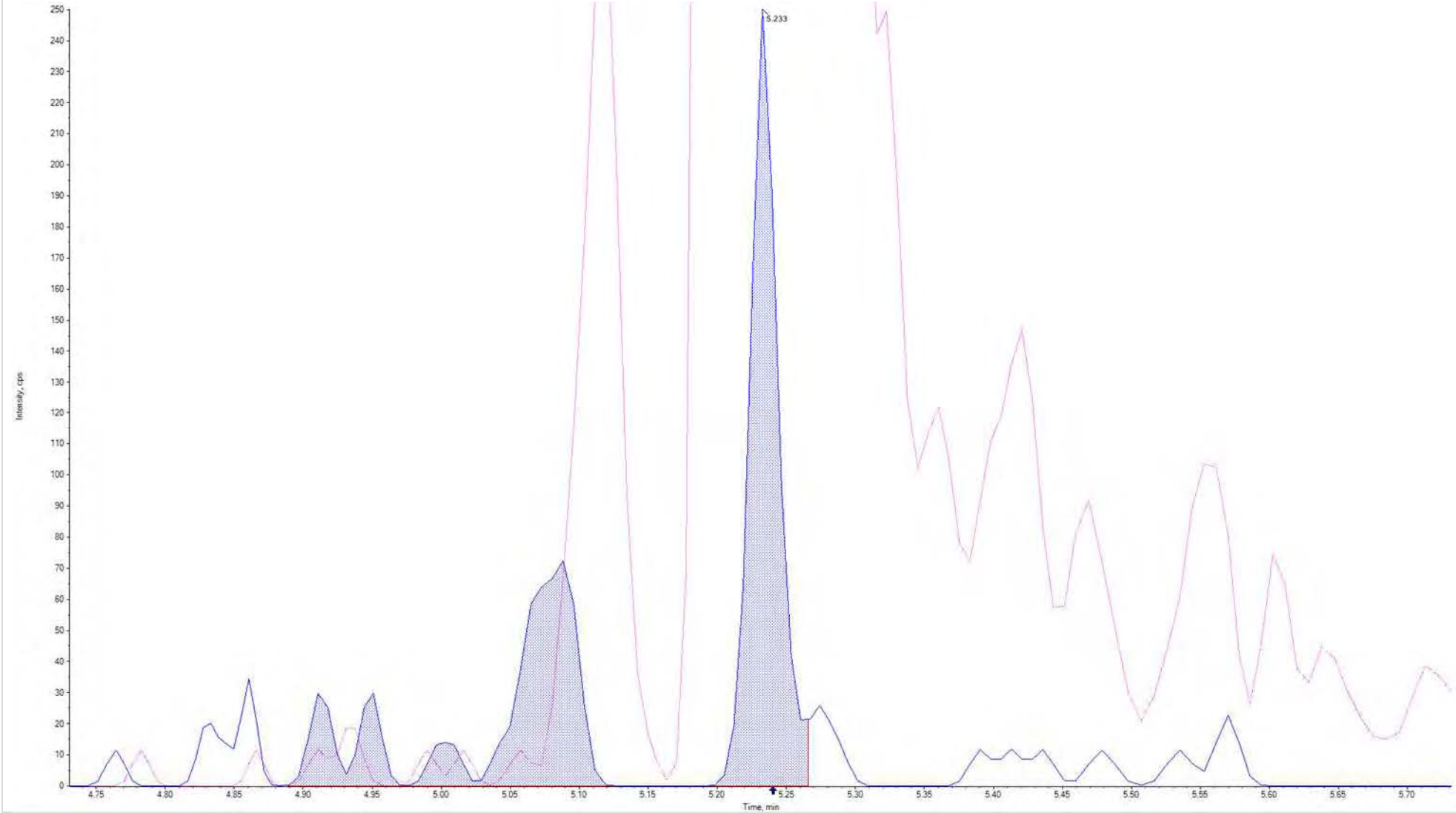
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOSA
Sample: IA1633STD-.1 S/N:269.5 Points Across peak:63



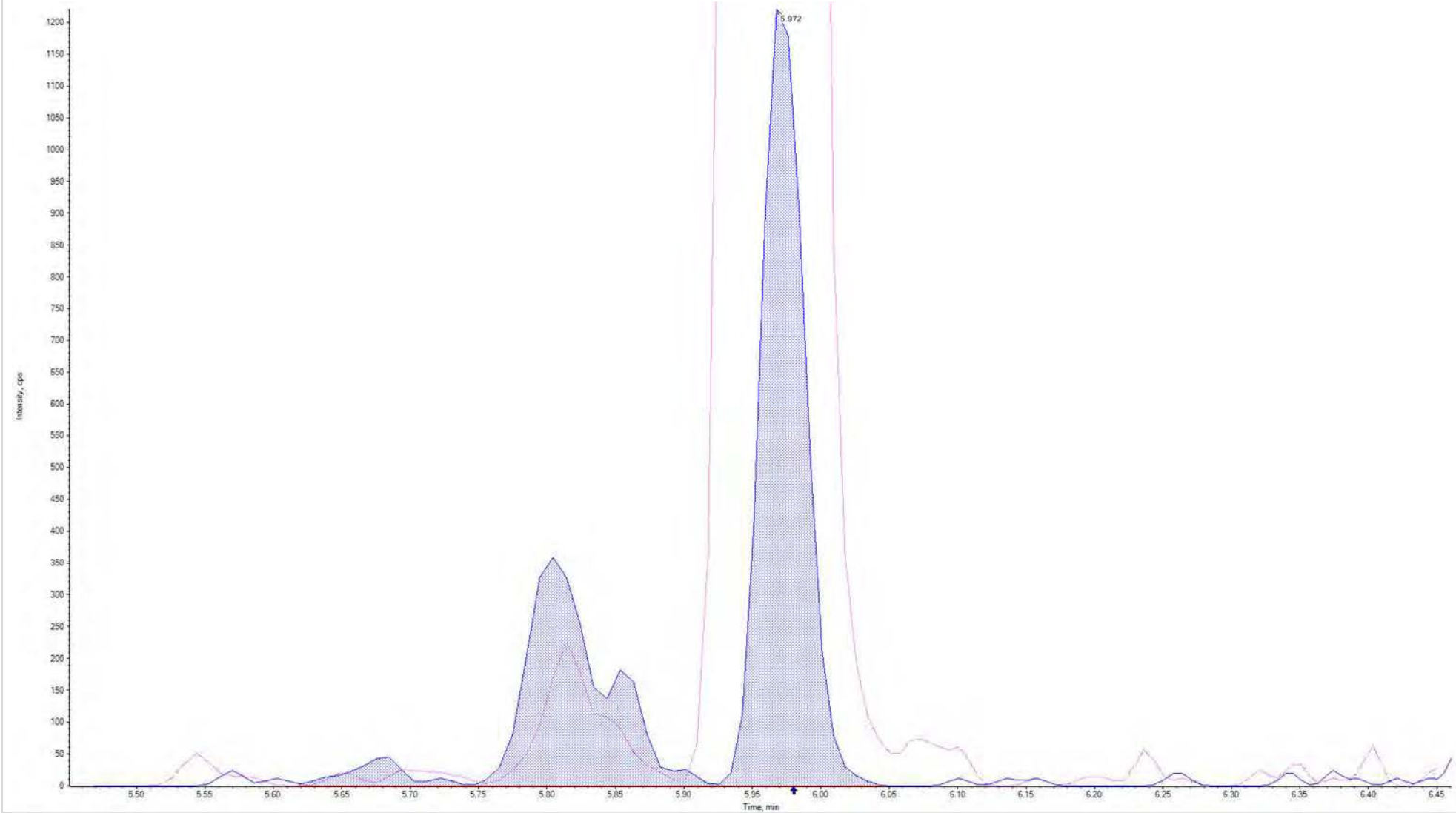
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOSA_2
Sample: IA1633STD-.1 S/N:21.9 Points Across peak:56



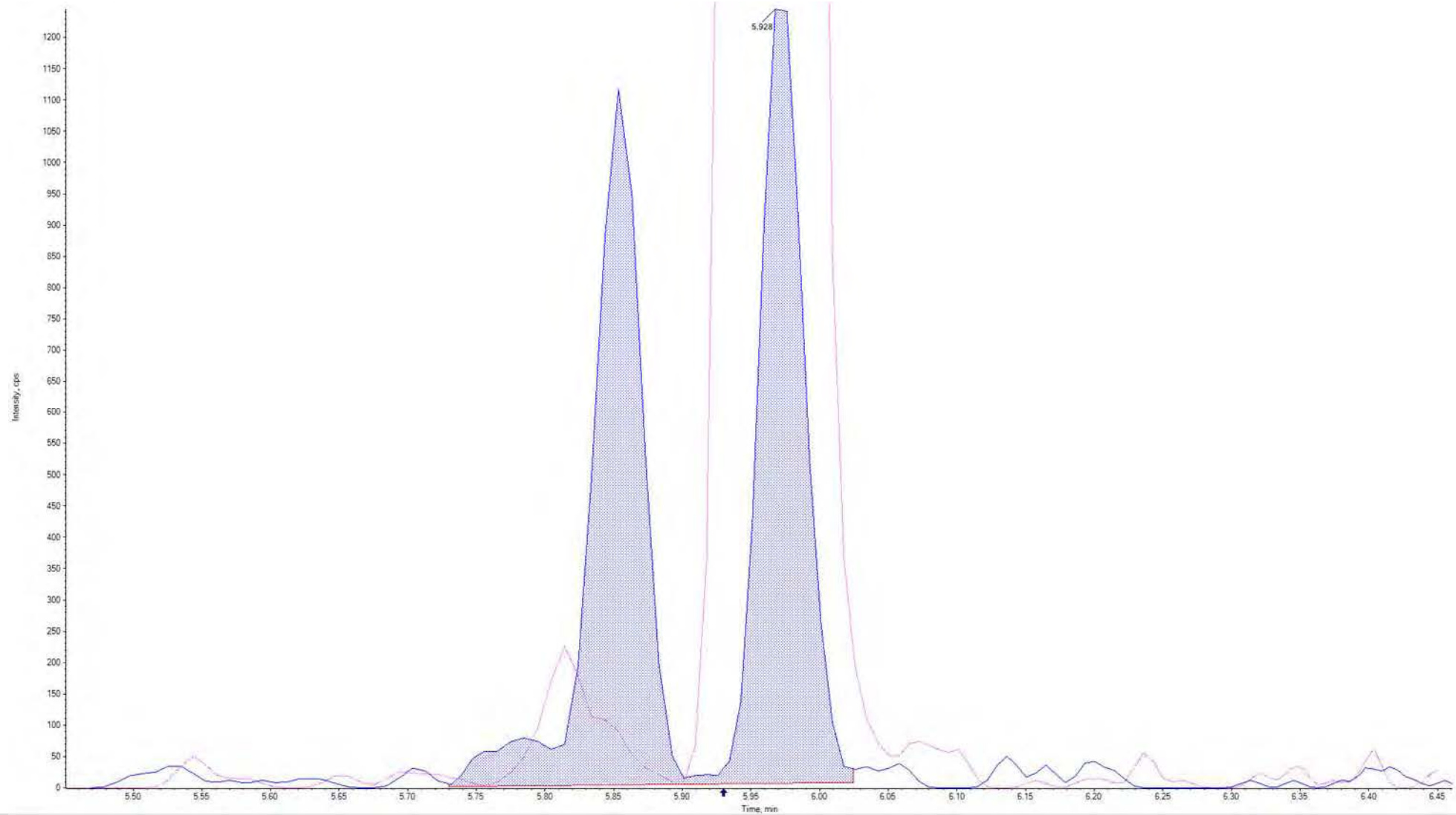
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSA
Sample: IA1633STD-.1 S/N:101.0 Points Across peak:51



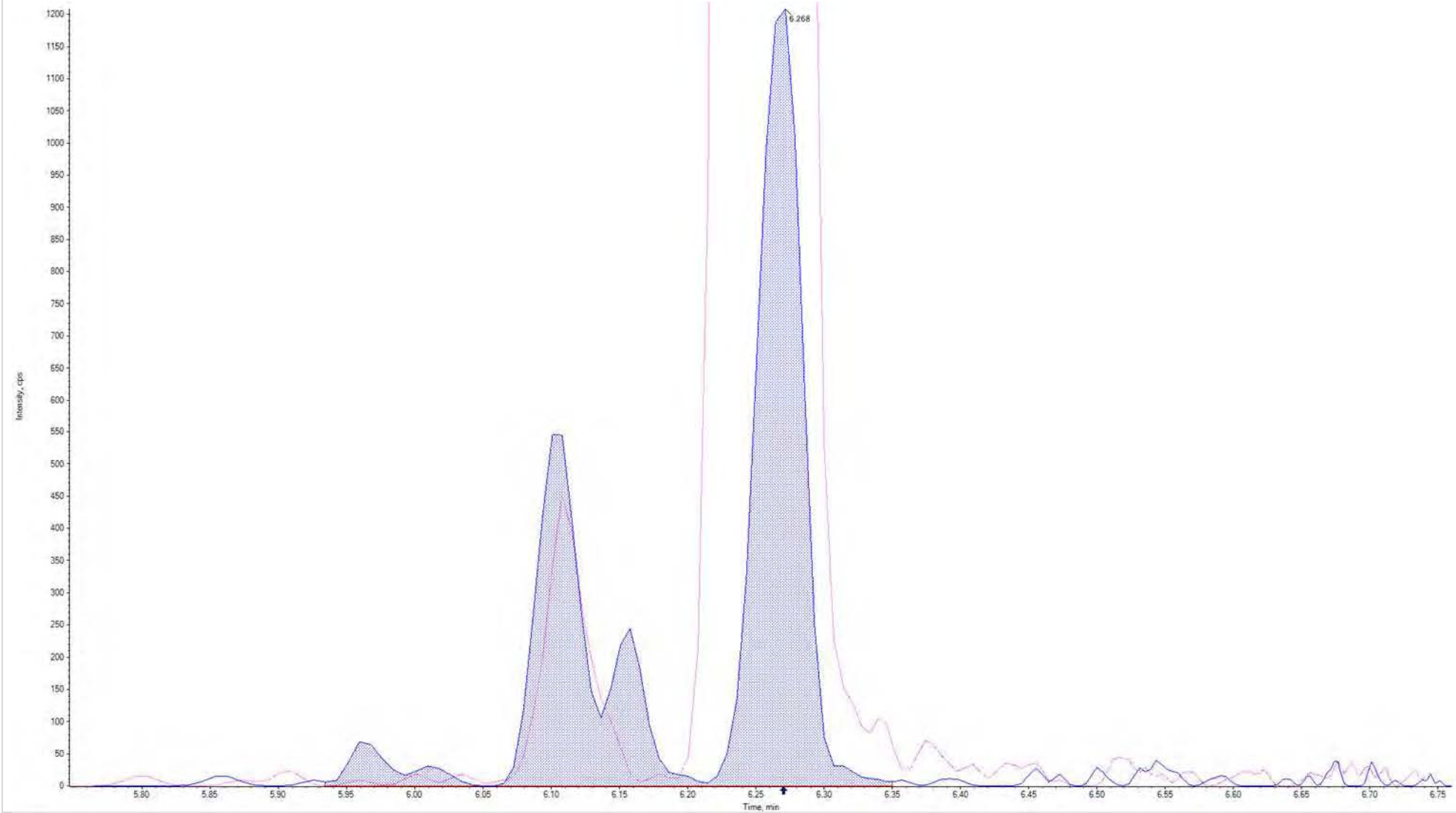
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSA_2
Sample: IA1633STD-.1 S/N:79.5 Points Across peak:35



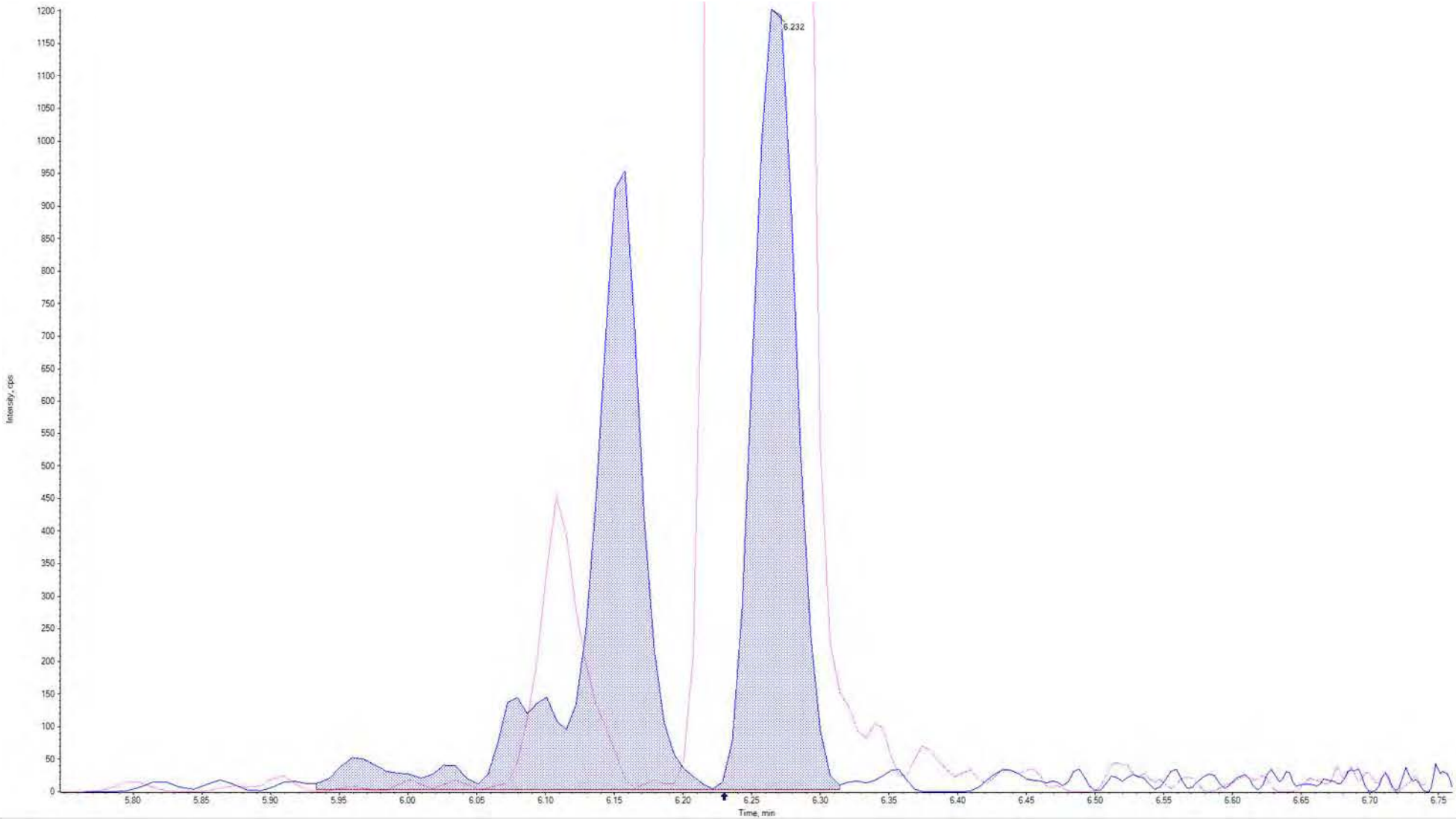
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSA
Sample: IA1633STD-.1 S/N:130.2 Points Across peak:59



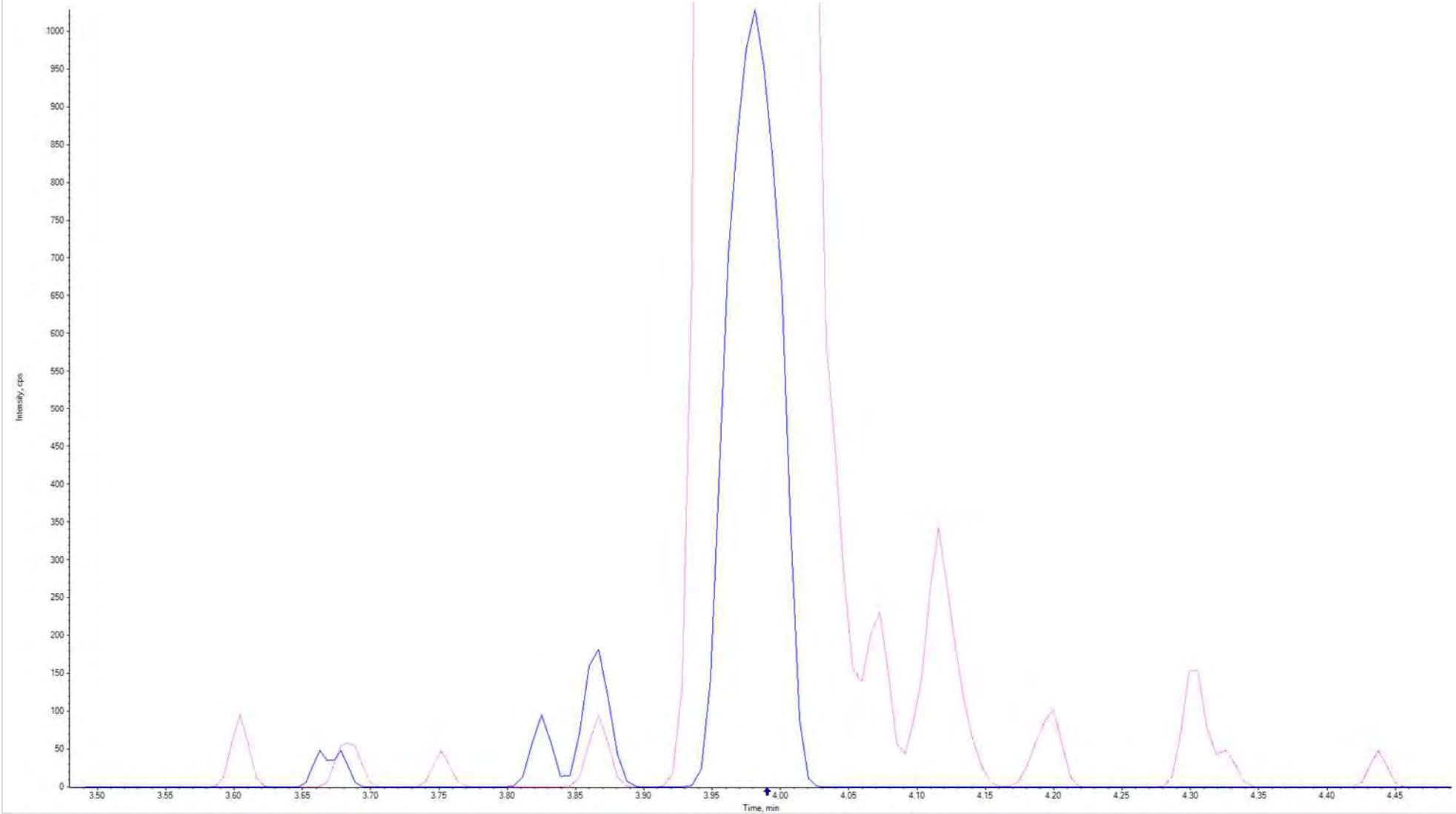
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSA_2
Sample: IA1633STD-.1 S/N:106.7 Points Across peak:53



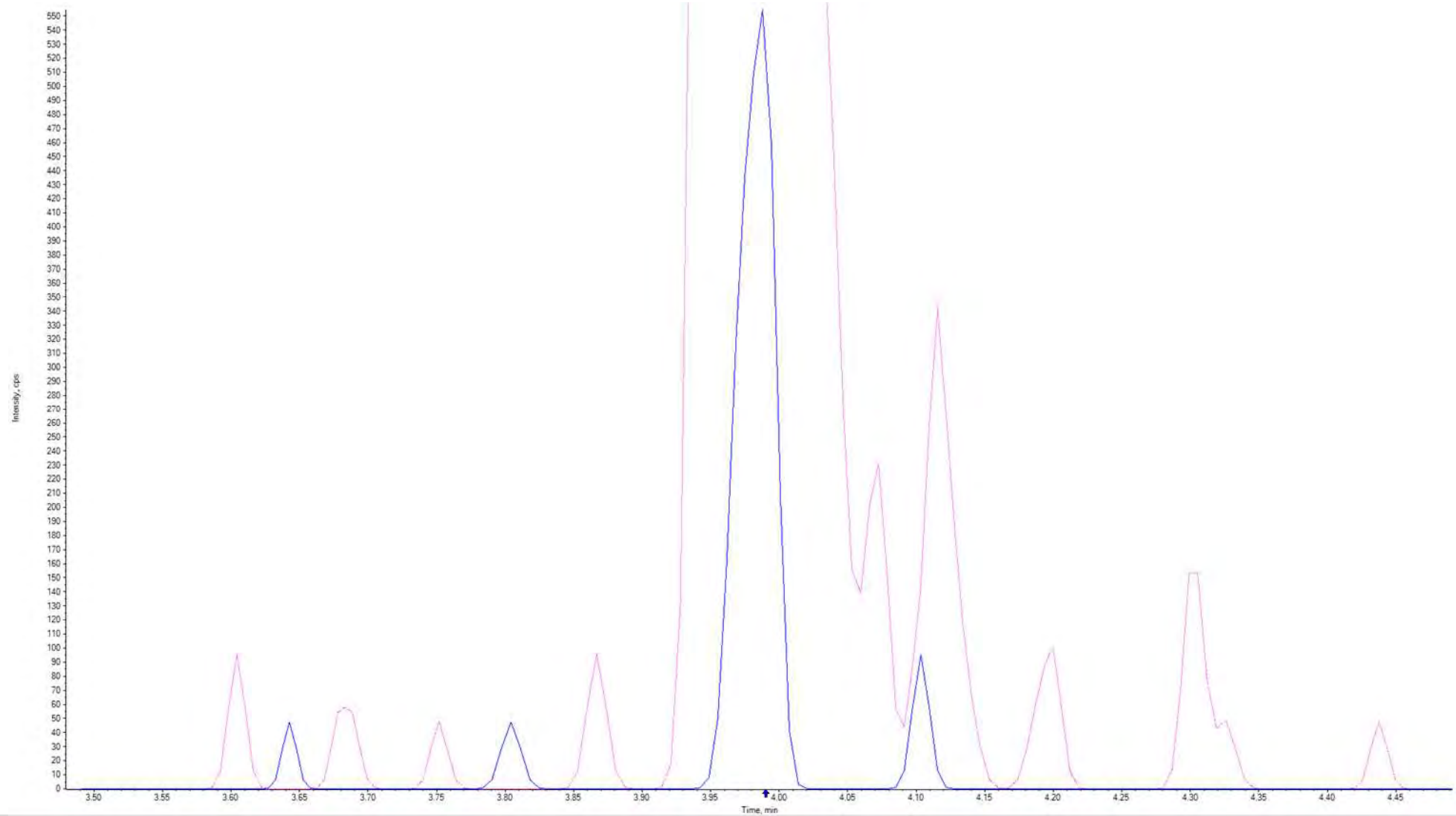
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSAA
Sample: IA1633STD-.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\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSAA_2
Sample: IA1633STD-.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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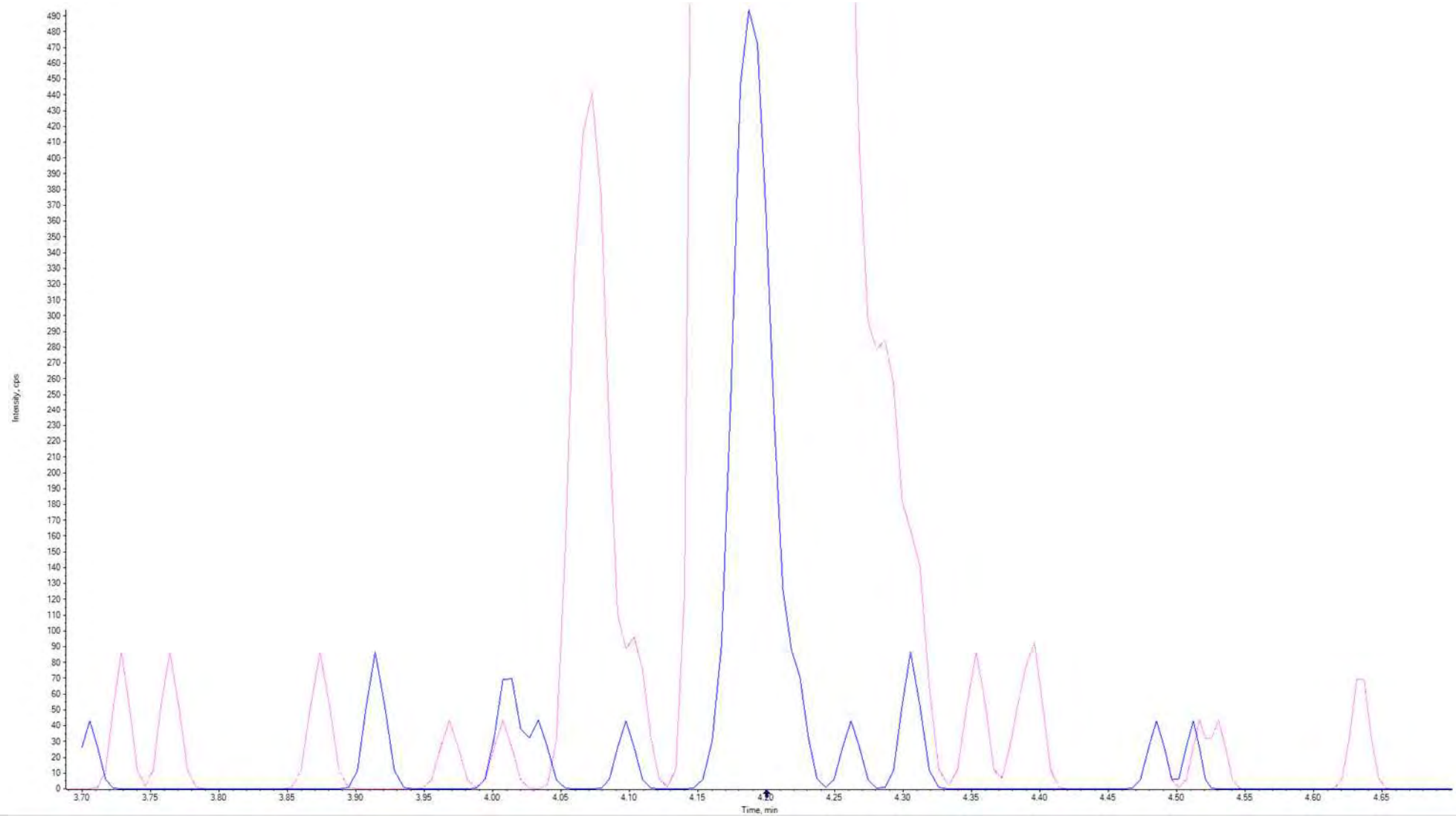
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSAA
Sample: IA1633STD-.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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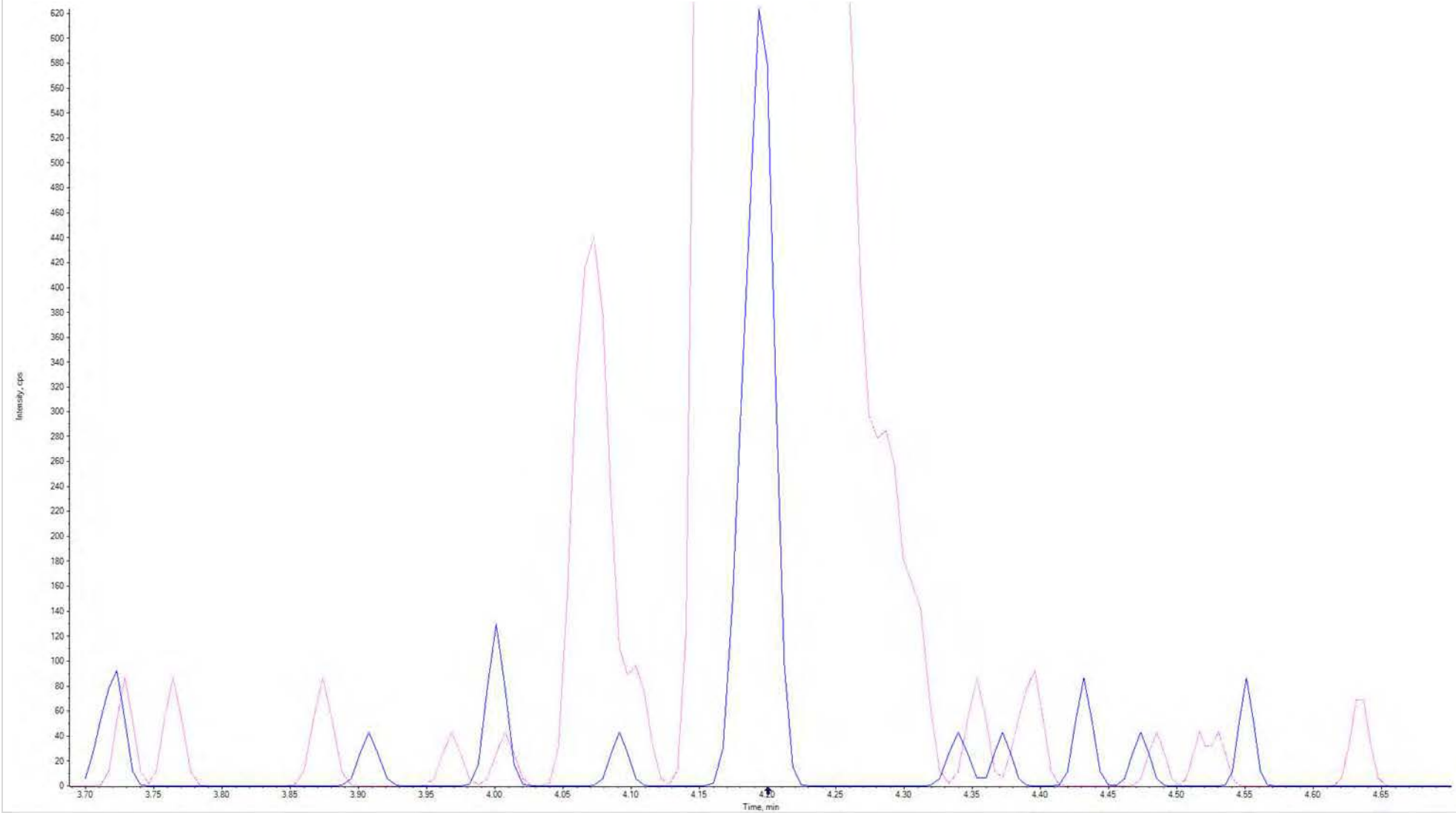
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSAA_2
Sample: IA1633STD-.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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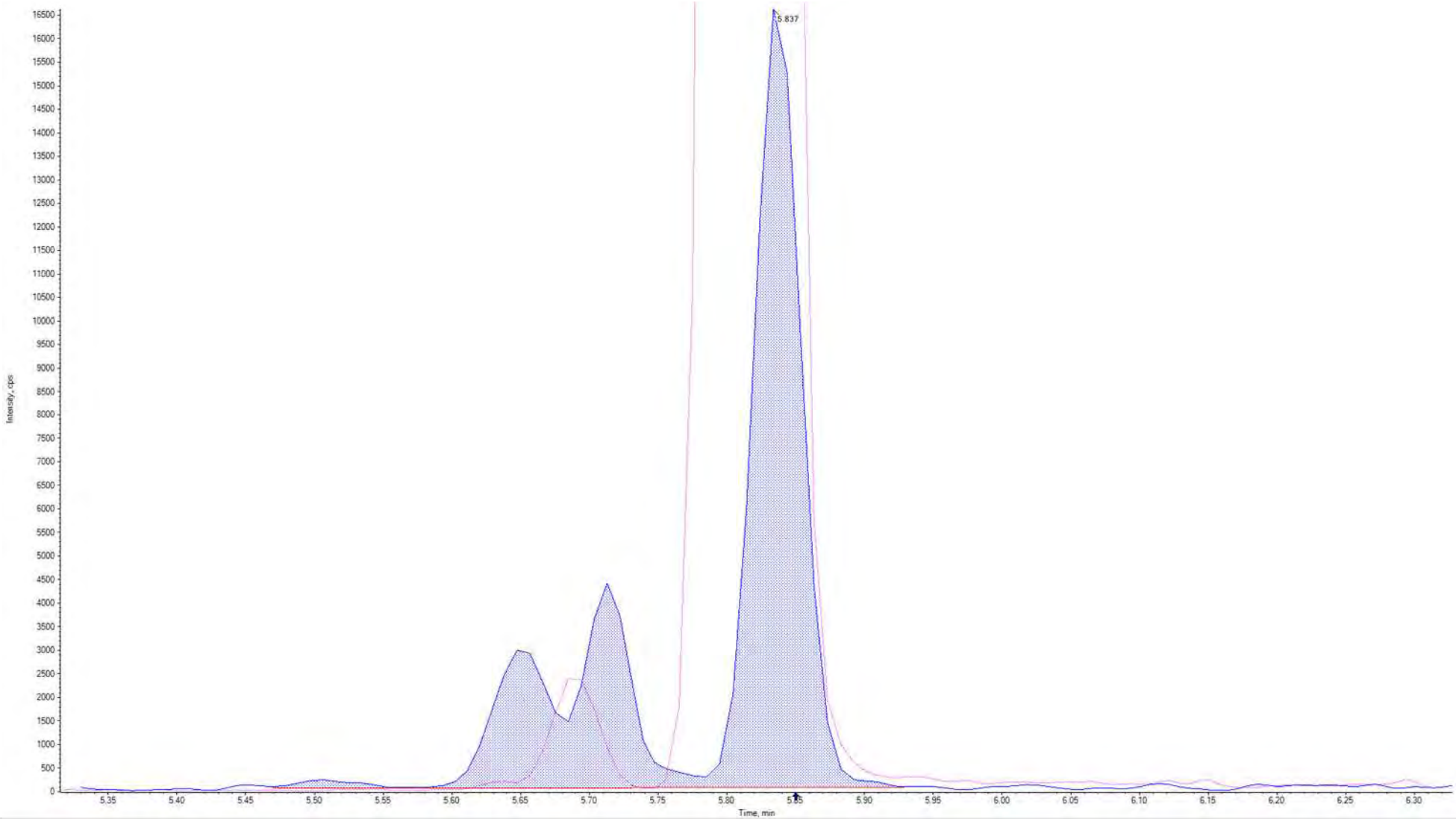
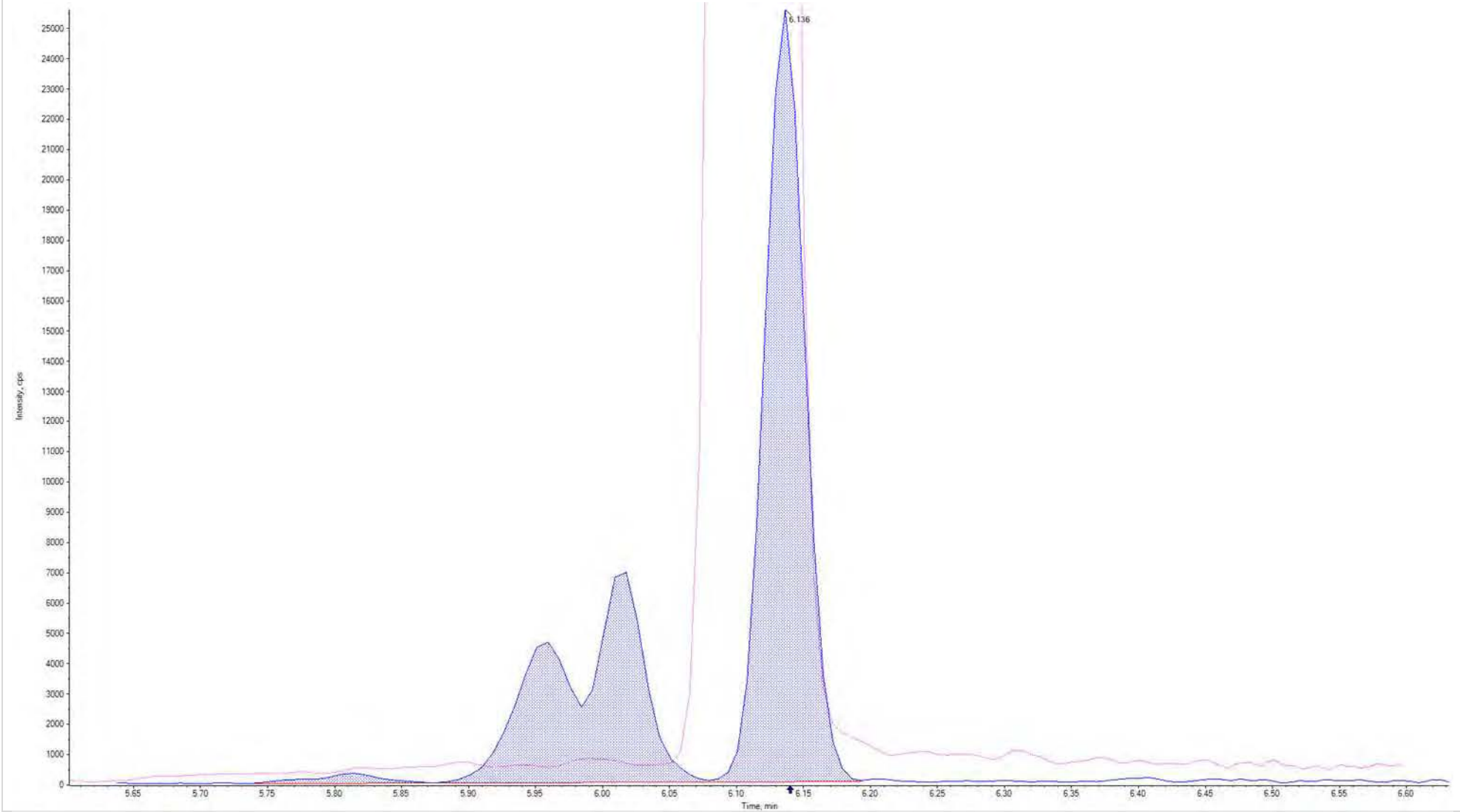
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSE
Sample: IA1633STD-.1 S/N:173.4 Points Across peak:52



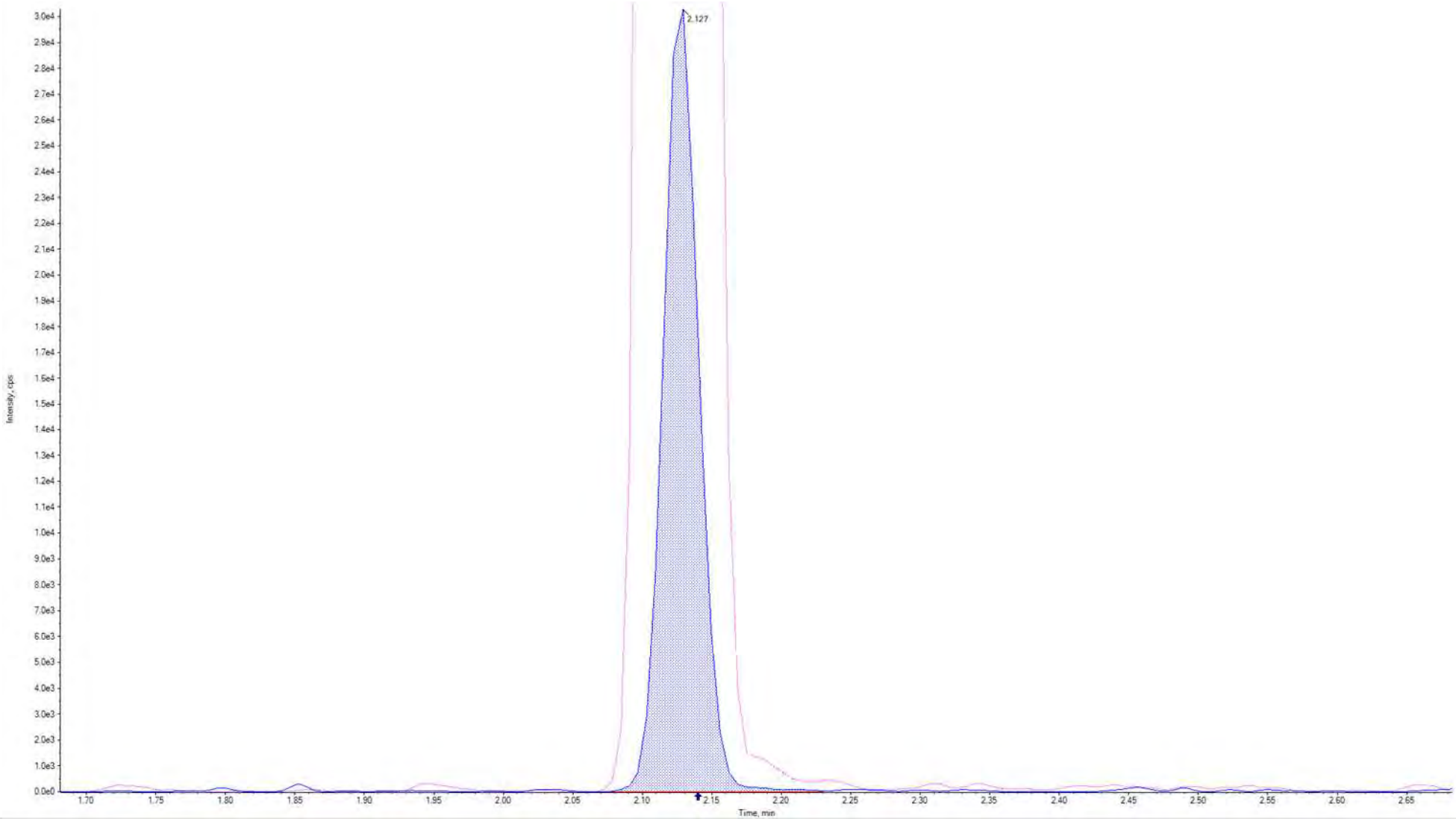
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSE
Sample: IA1633STD-.1 S/N:273.6 Points Across peak:57



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

HFPO-DA
Sample: IA1633STD-.1 S/N:683.3 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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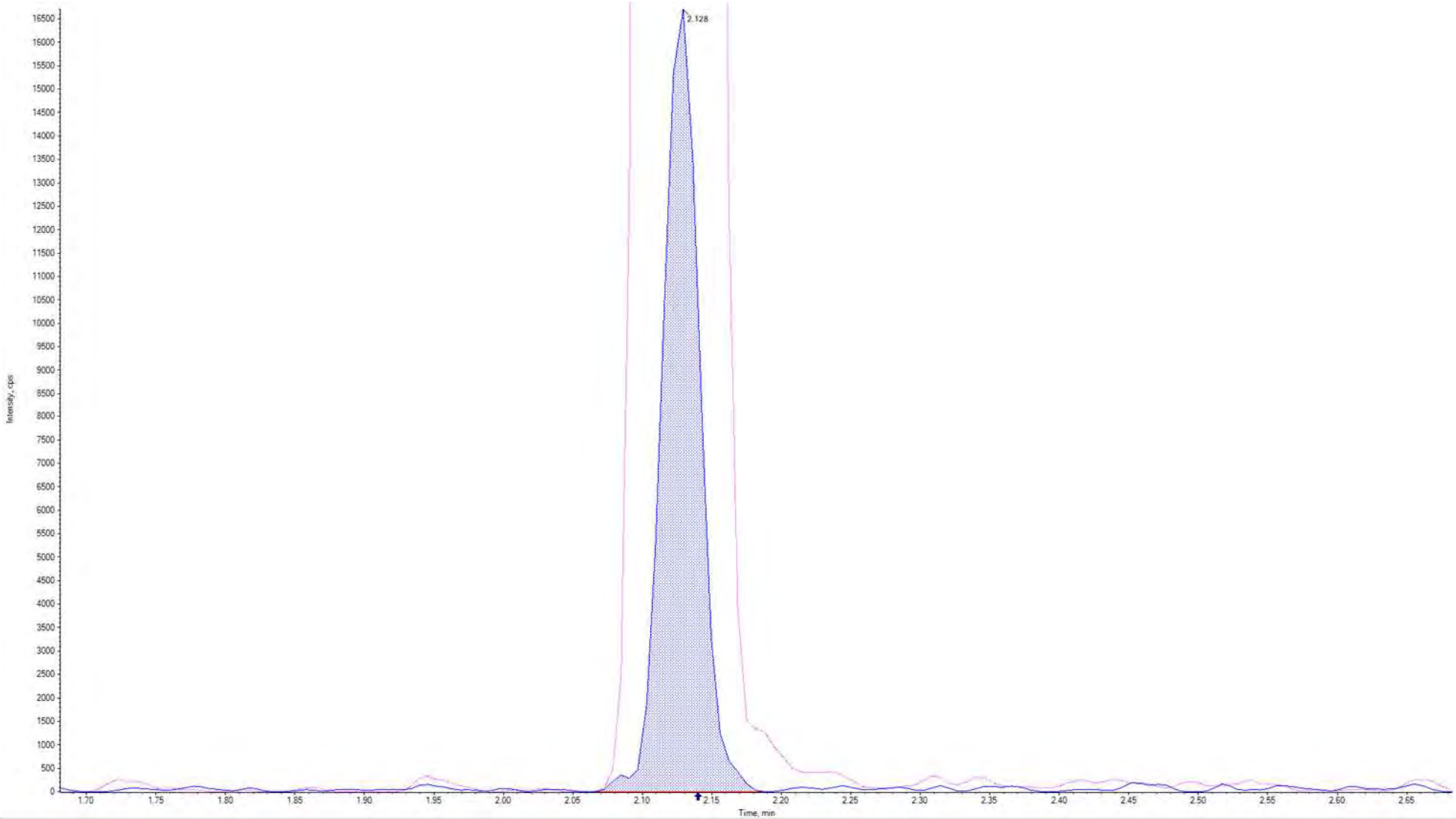
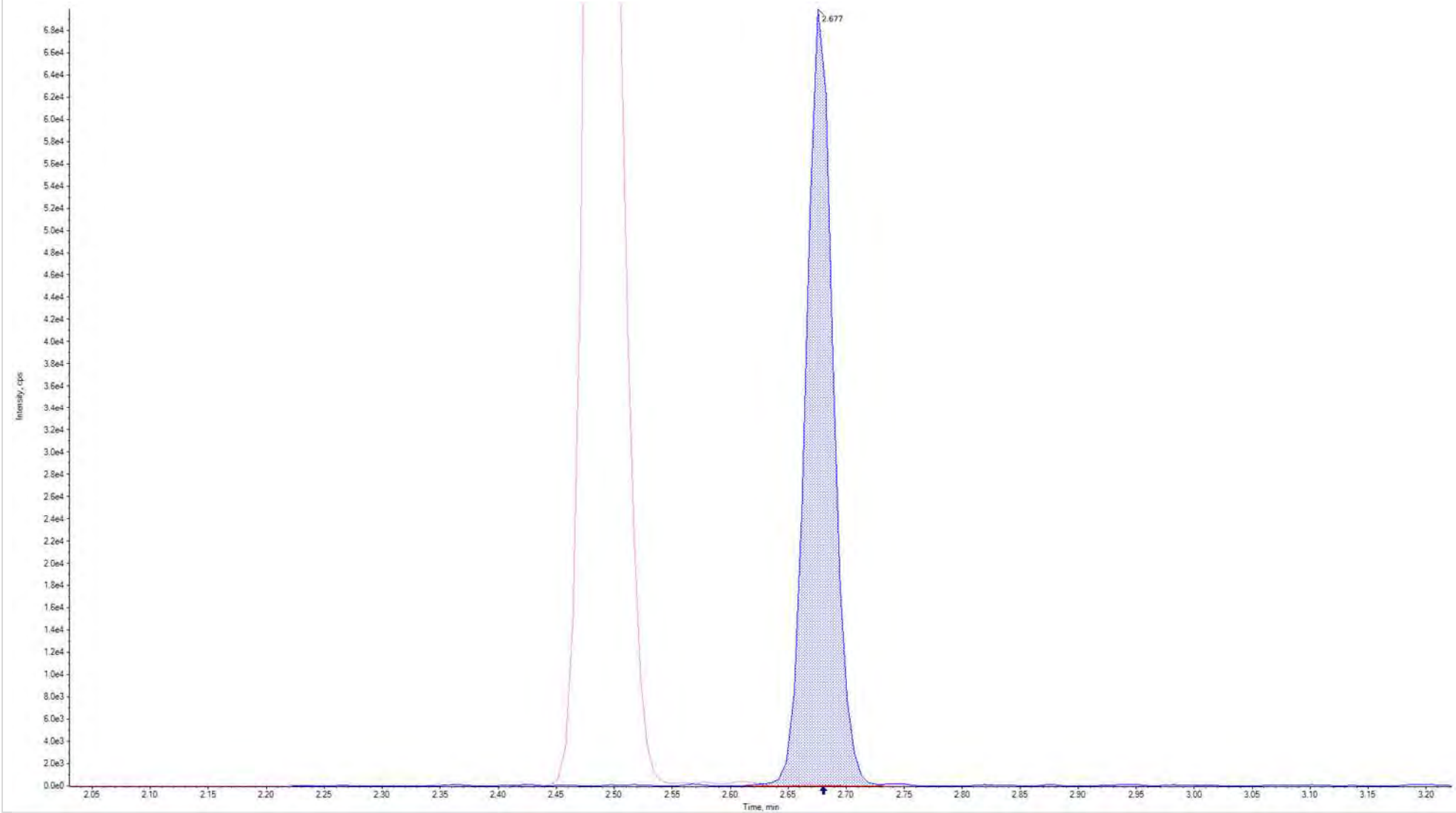
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

HFPO-DA_2
Sample: IA1633STD-.1 S/N:376.9 Points Across peak:21



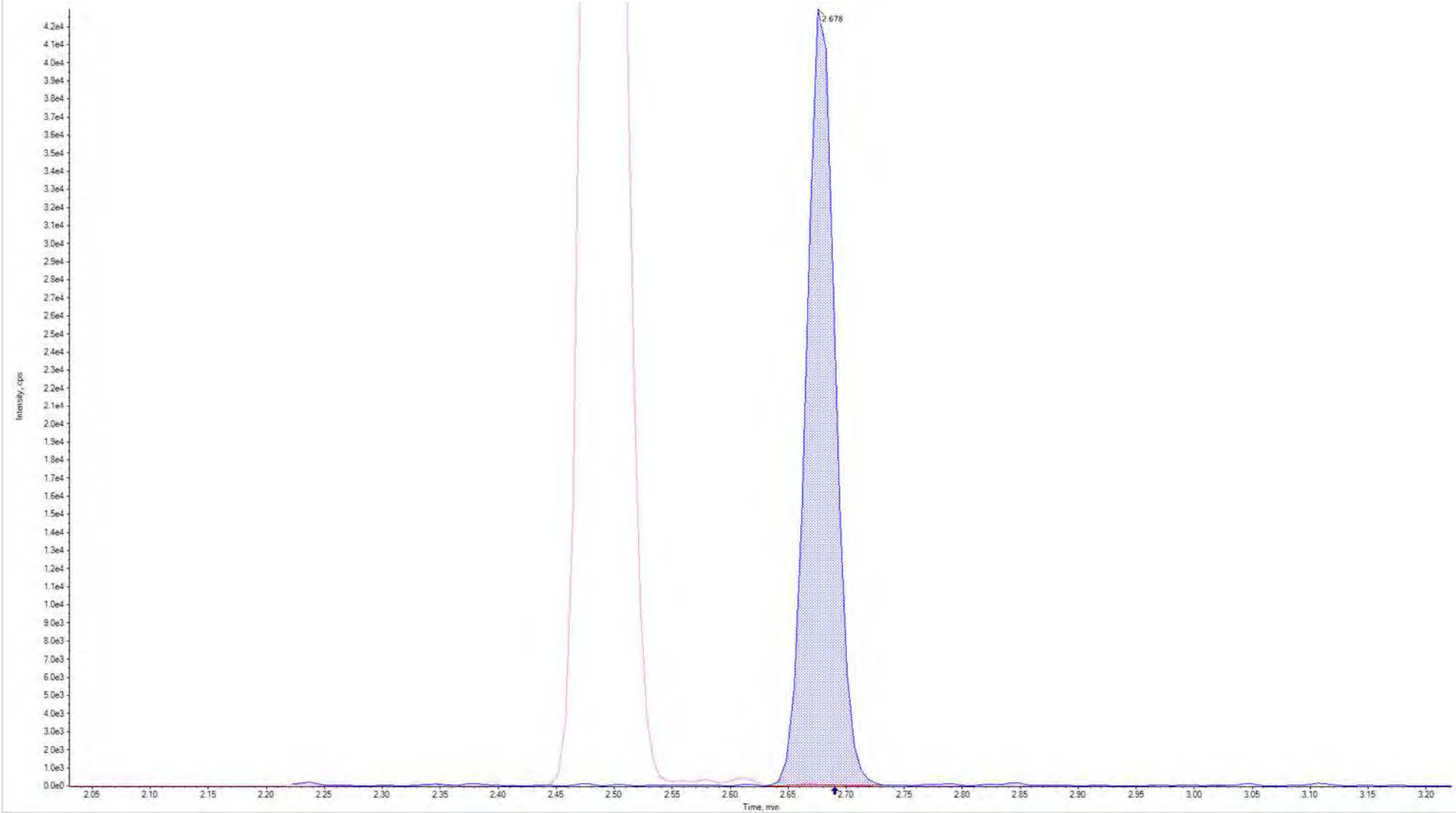
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

ADONA
Sample: IA1633STD-.1 S/N:1402.0 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\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

ADONA_2
Sample: IA1633STD-.1 S/N:861.2 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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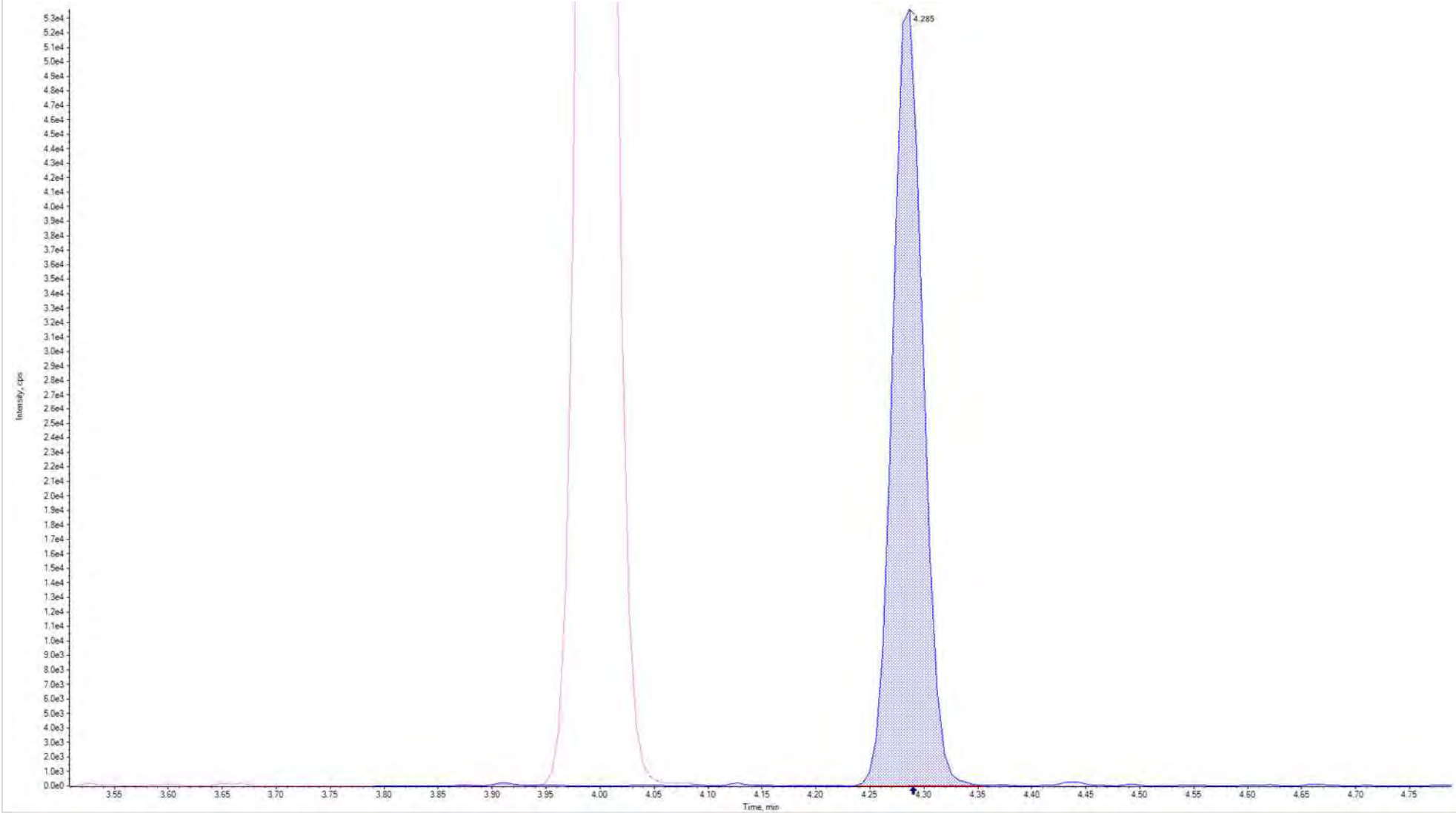
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

9Cl-PF3ONS
Sample: IA1633STD-.1 S/N:1210.0 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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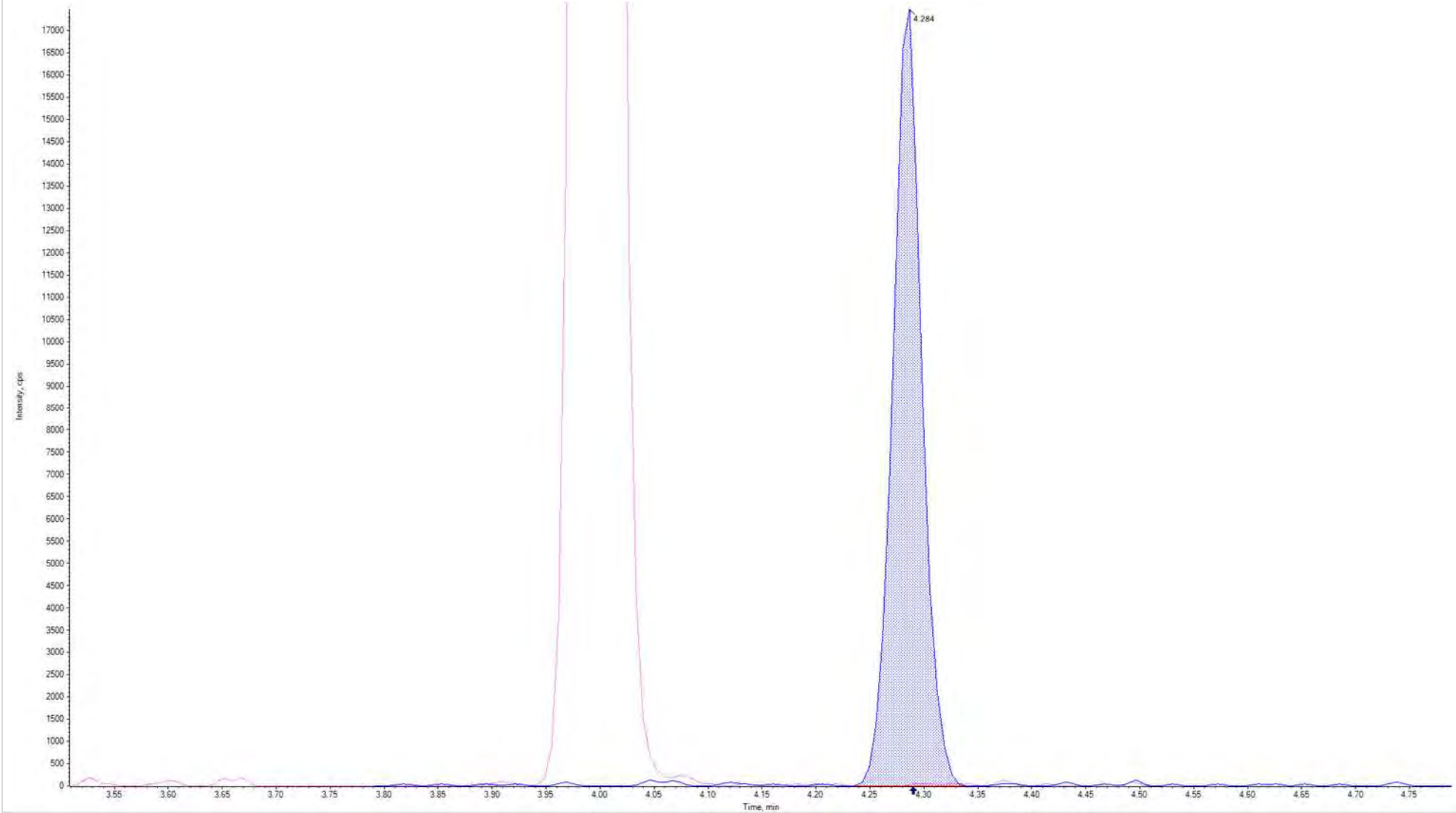
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

9Cl-PF3ONS_2
Sample: IA1633STD-.1 S/N:394.4 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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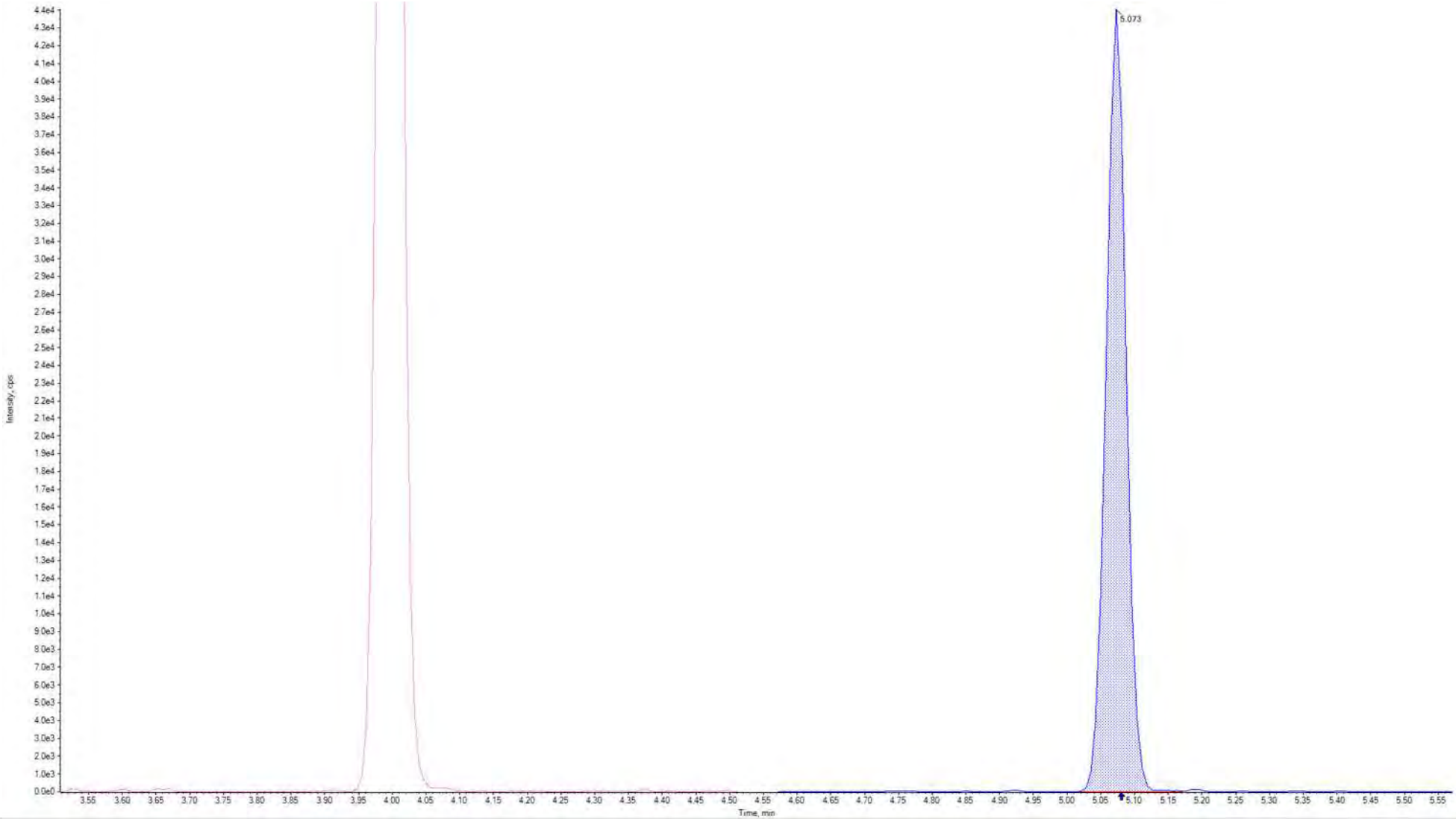
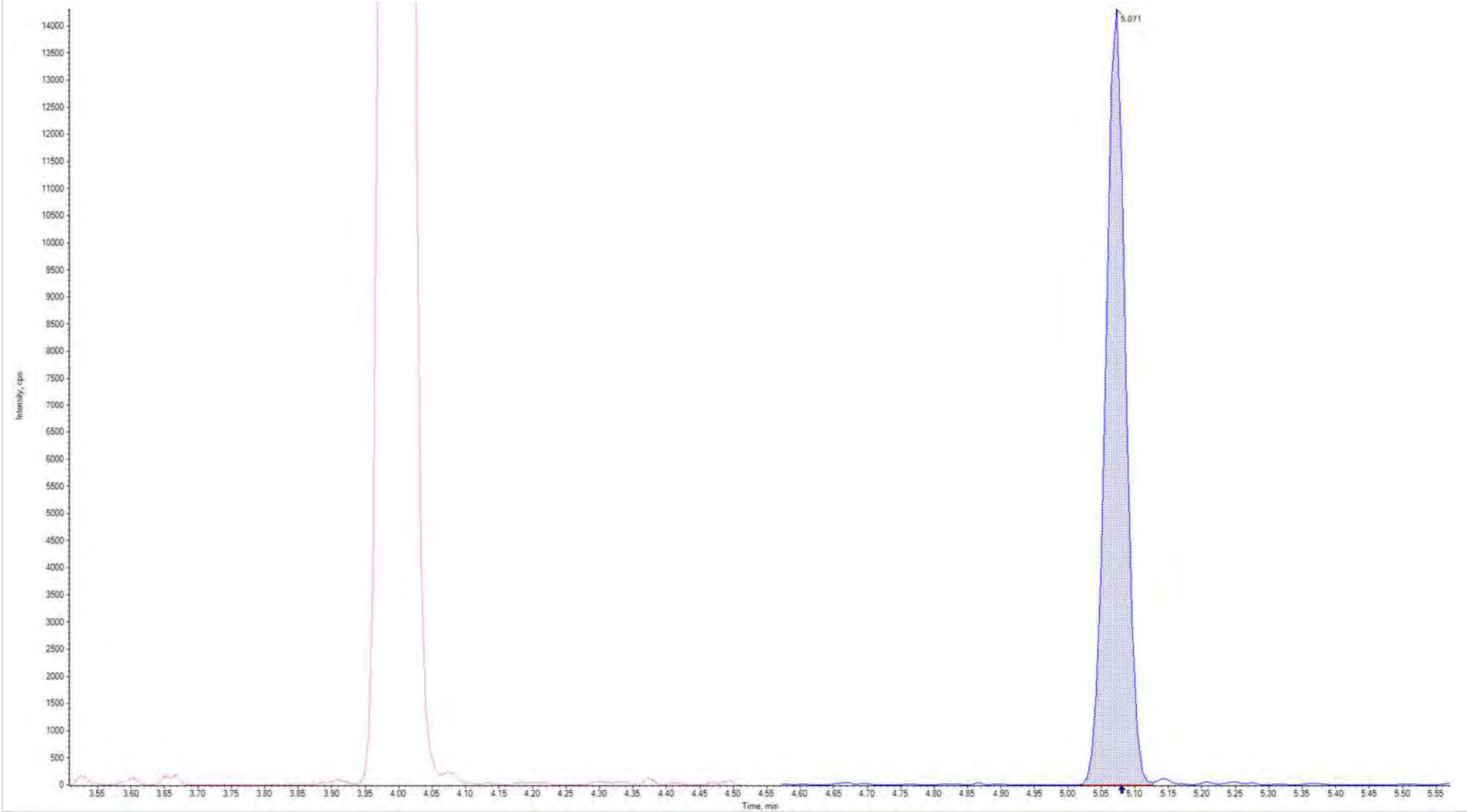
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

11Cl-PF3OUdS
Sample: IA1633STD-.1 S/N:2098.3 Points Across peak:24



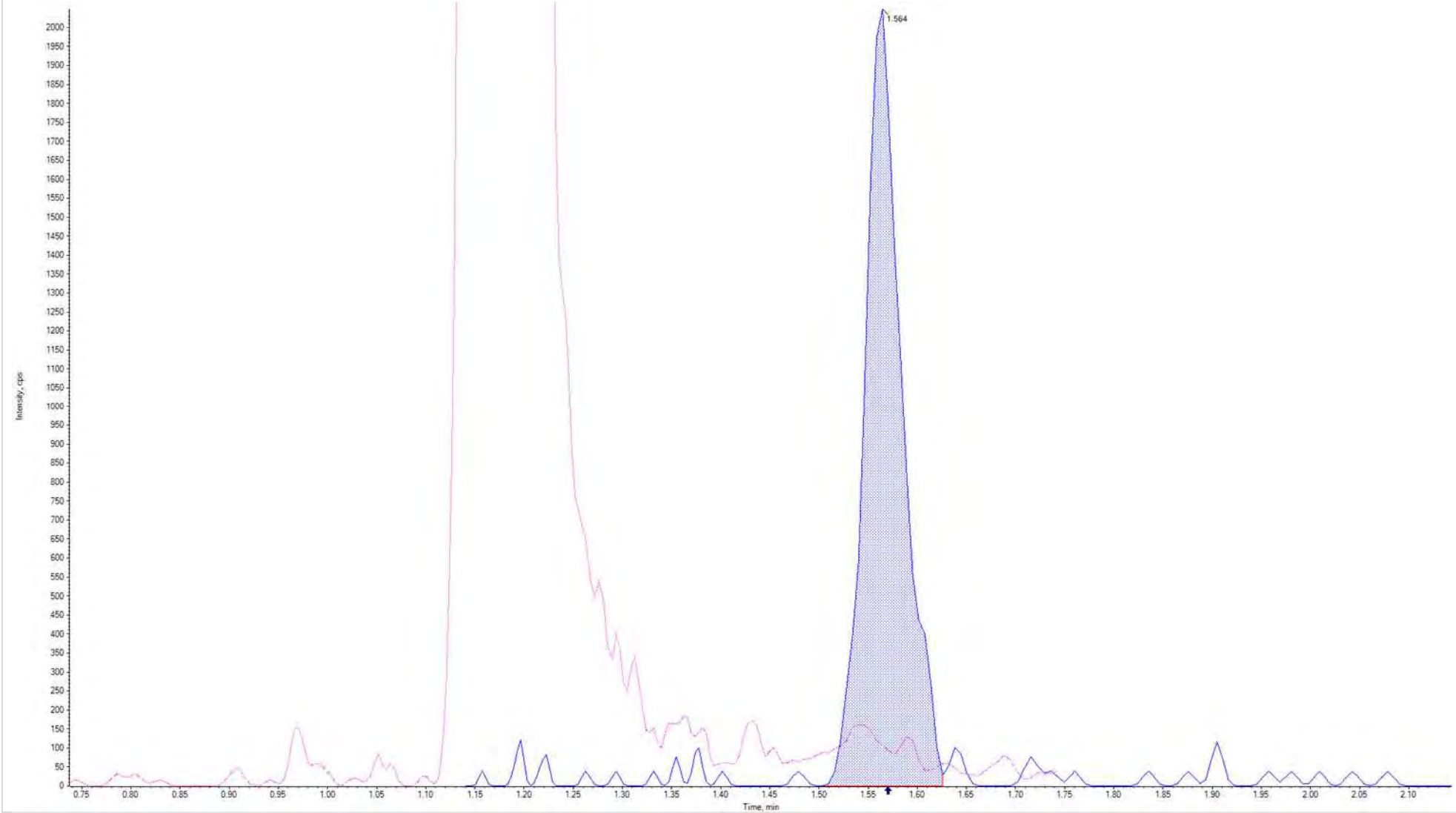
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-.1 S/N:681.5 Points Across peak:17



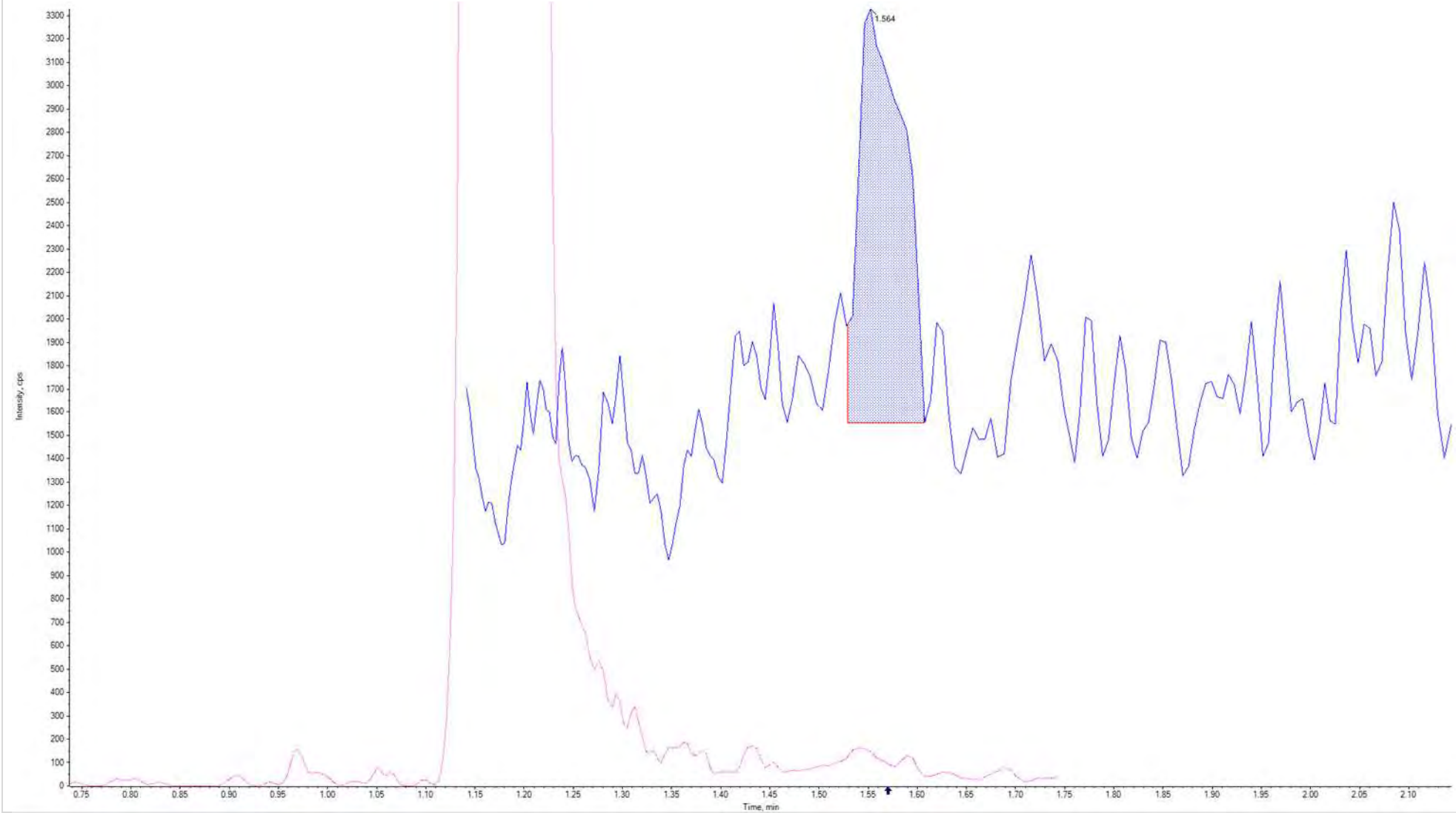
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

3:3FTCA
Sample: IA1633STD-.1 S/N:51.3 Points Across peak:22



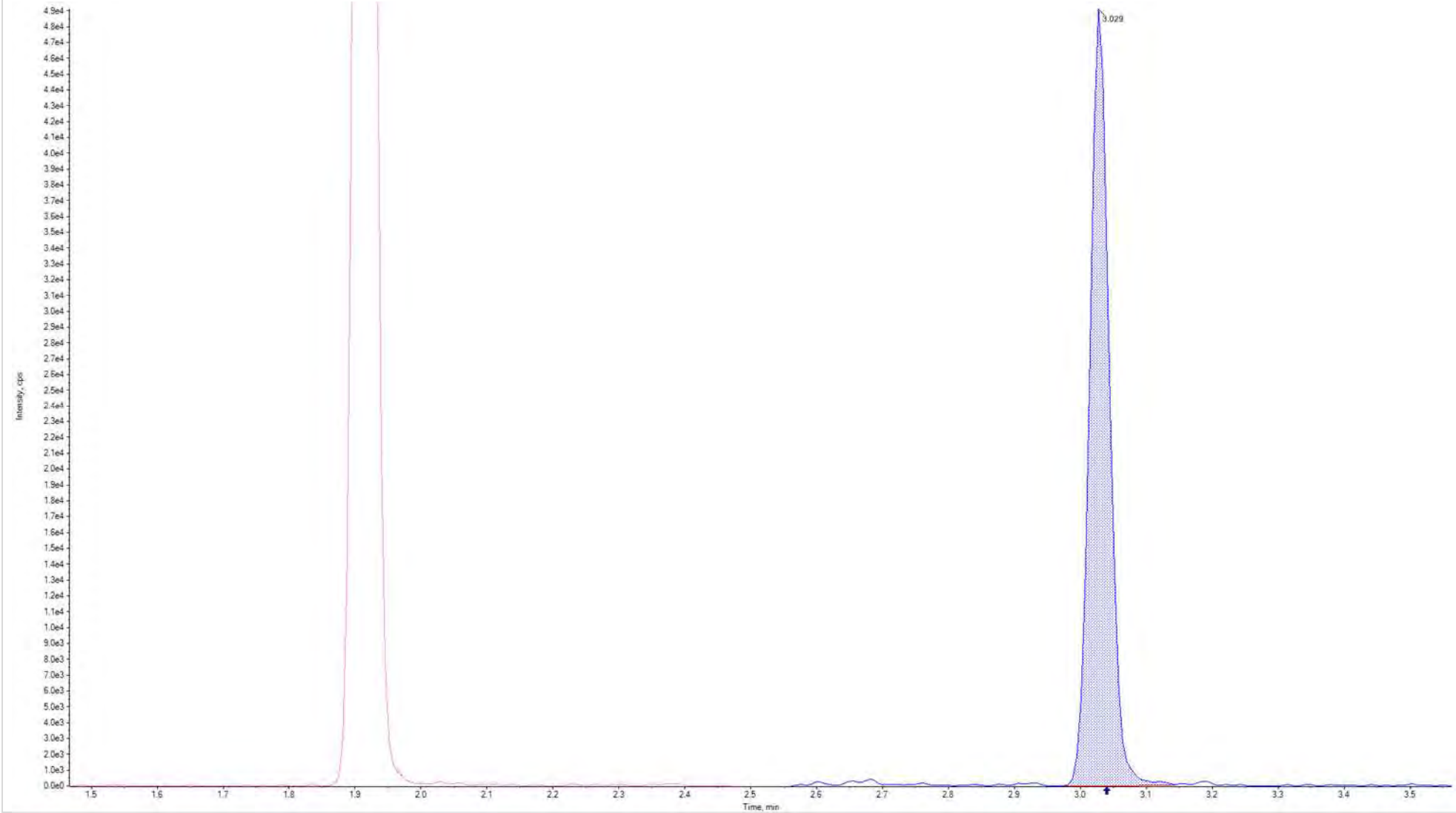
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

3:3FTCA_2
Sample: IA1633STD-.1 S/N:19.1 Points Across peak:14



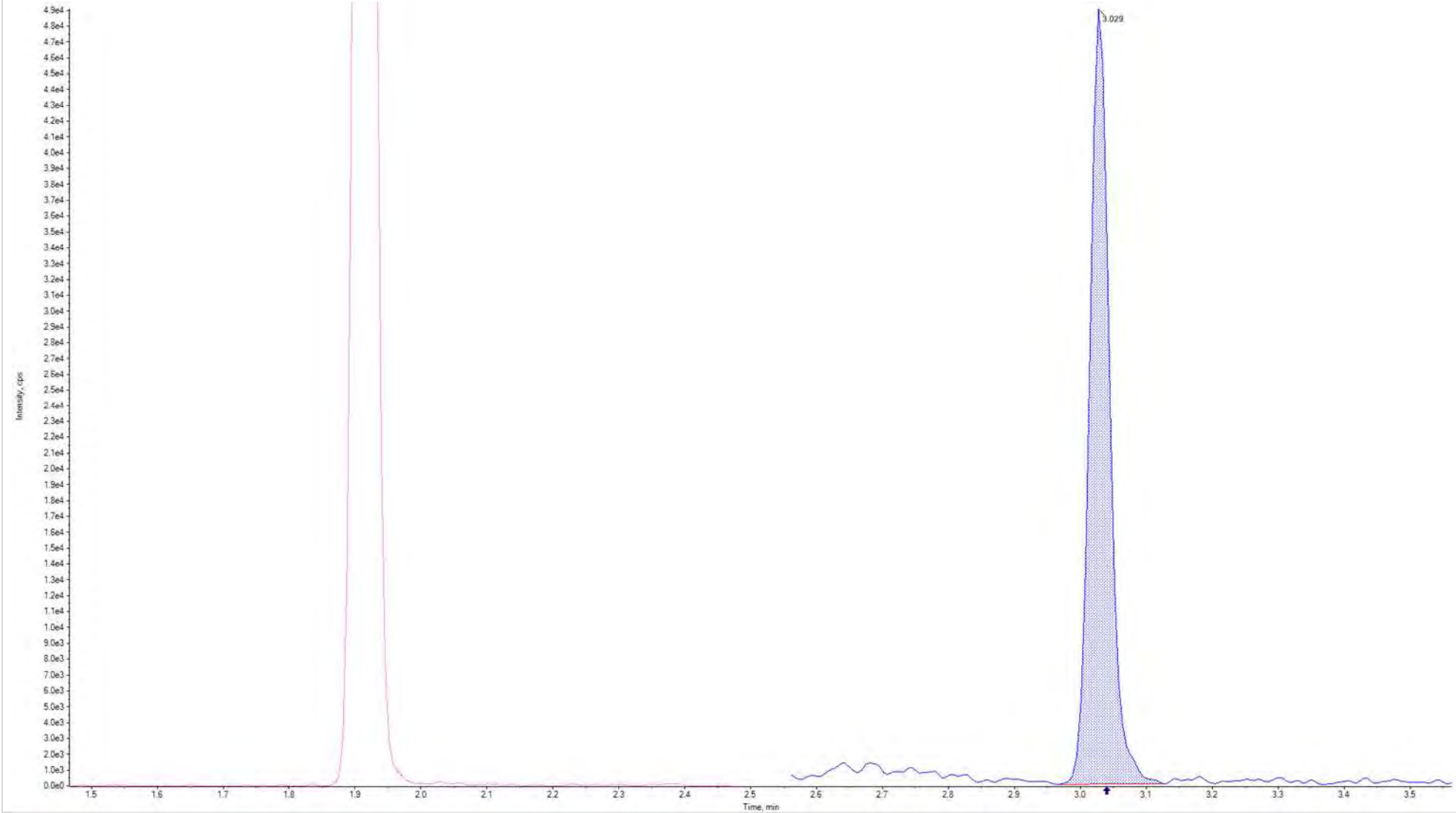
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

5:3FTCA
Sample: IA1633STD-.1 S/N:1107.6 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\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

5:3FTCA_2
Sample: IA1633STD-.1 S/N:866.2 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\250303\SCI09_250303_22.wiff2_1
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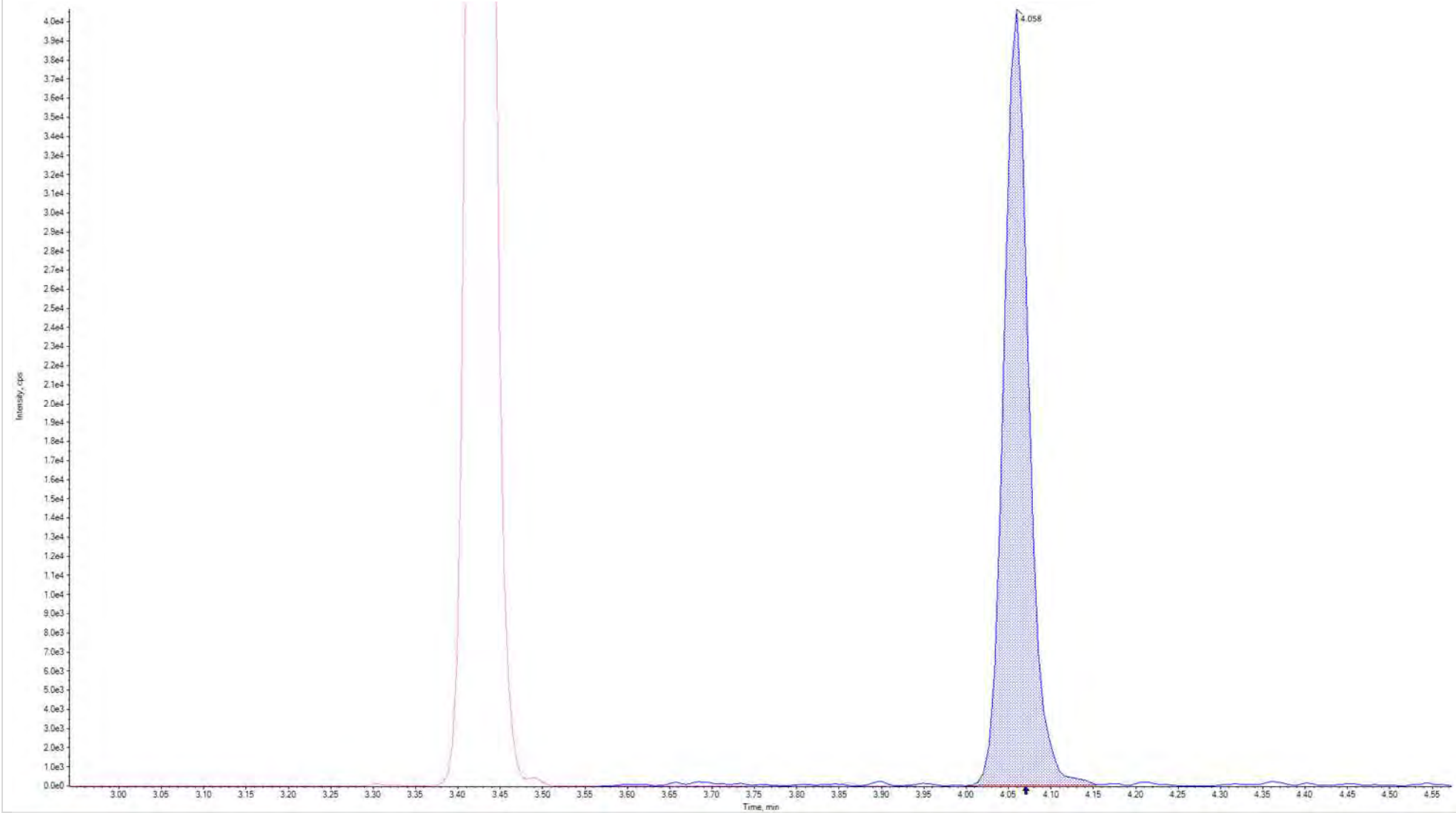
7:3FTCA
Sample: IA1633STD-.1 S/N:1120.2 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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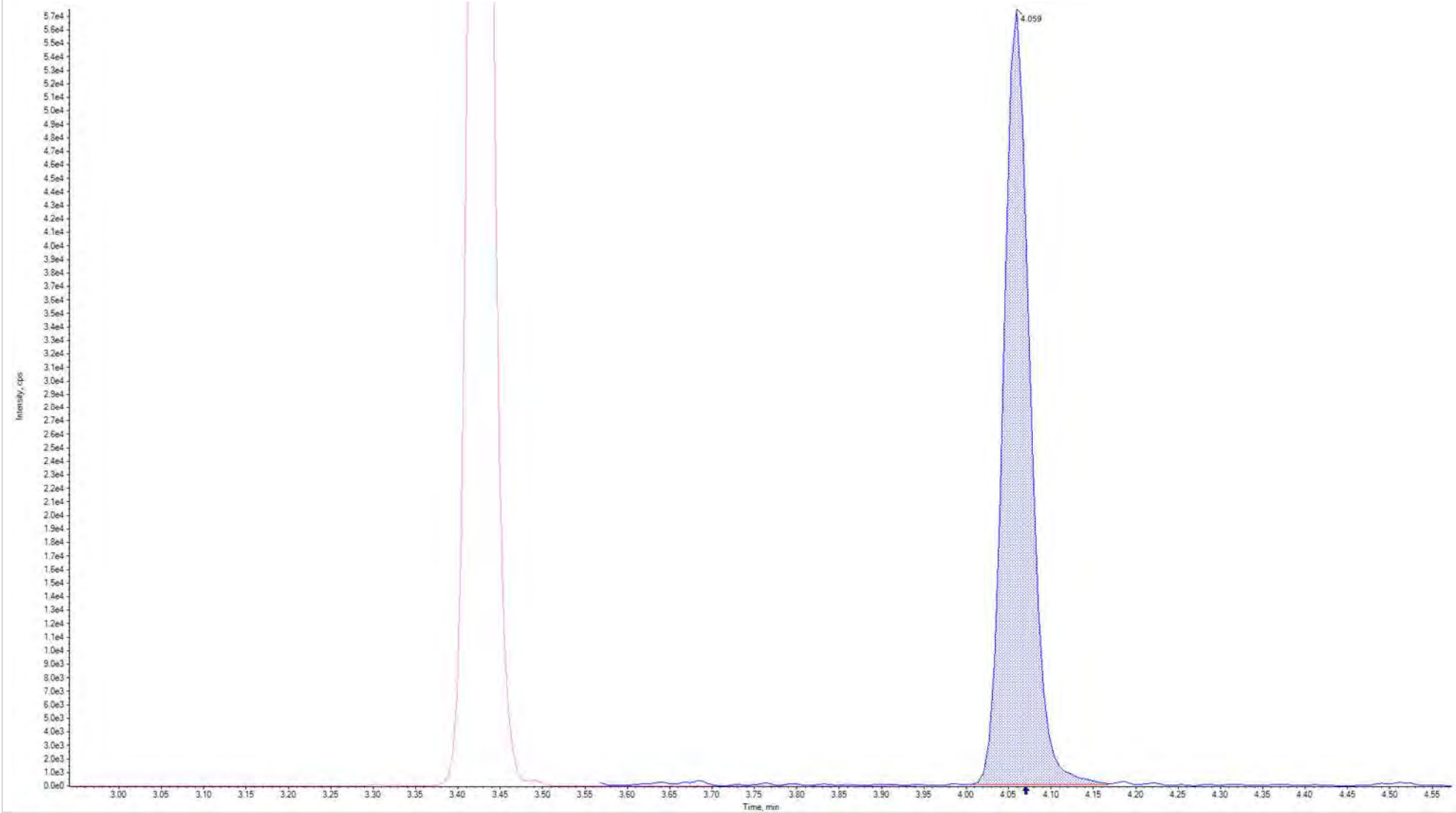
7:3FTCA_2
Sample: IA1633STD-.1 S/N:1584.0 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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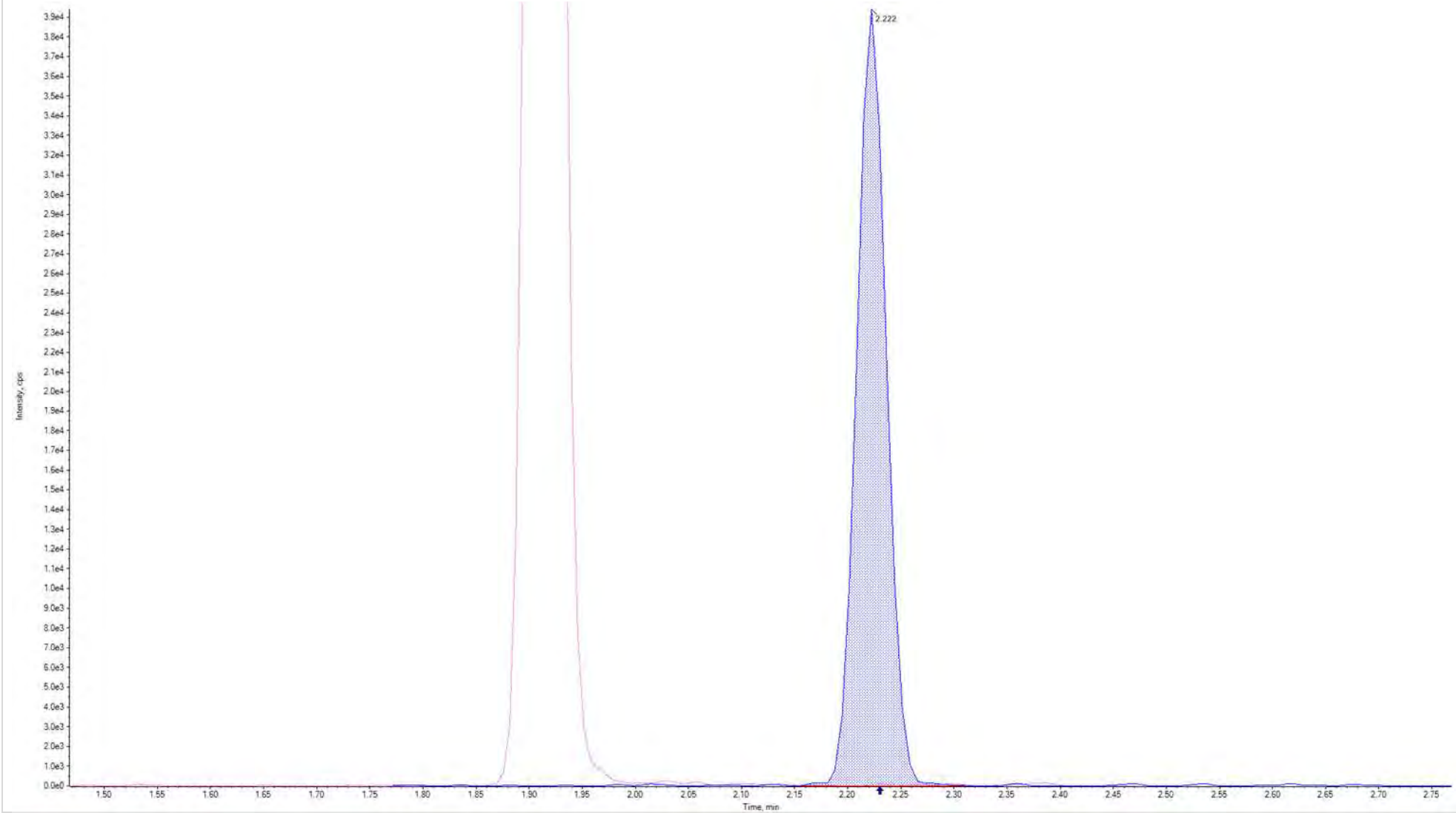
PFEESA
Sample: IA1633STD-.1 S/N:889.0 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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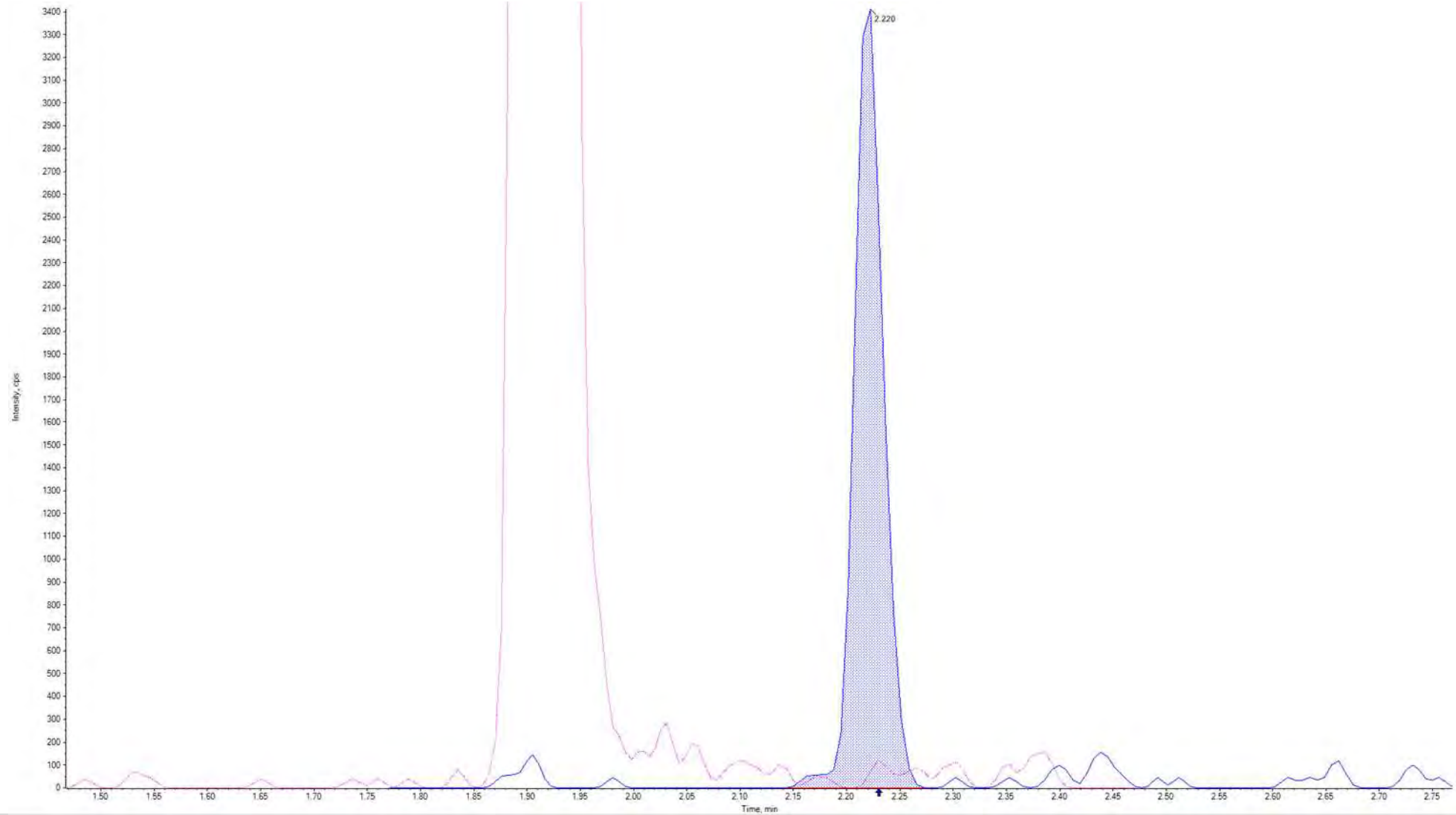
PFEESA_2
Sample: IA1633STD-.1 S/N:77.0 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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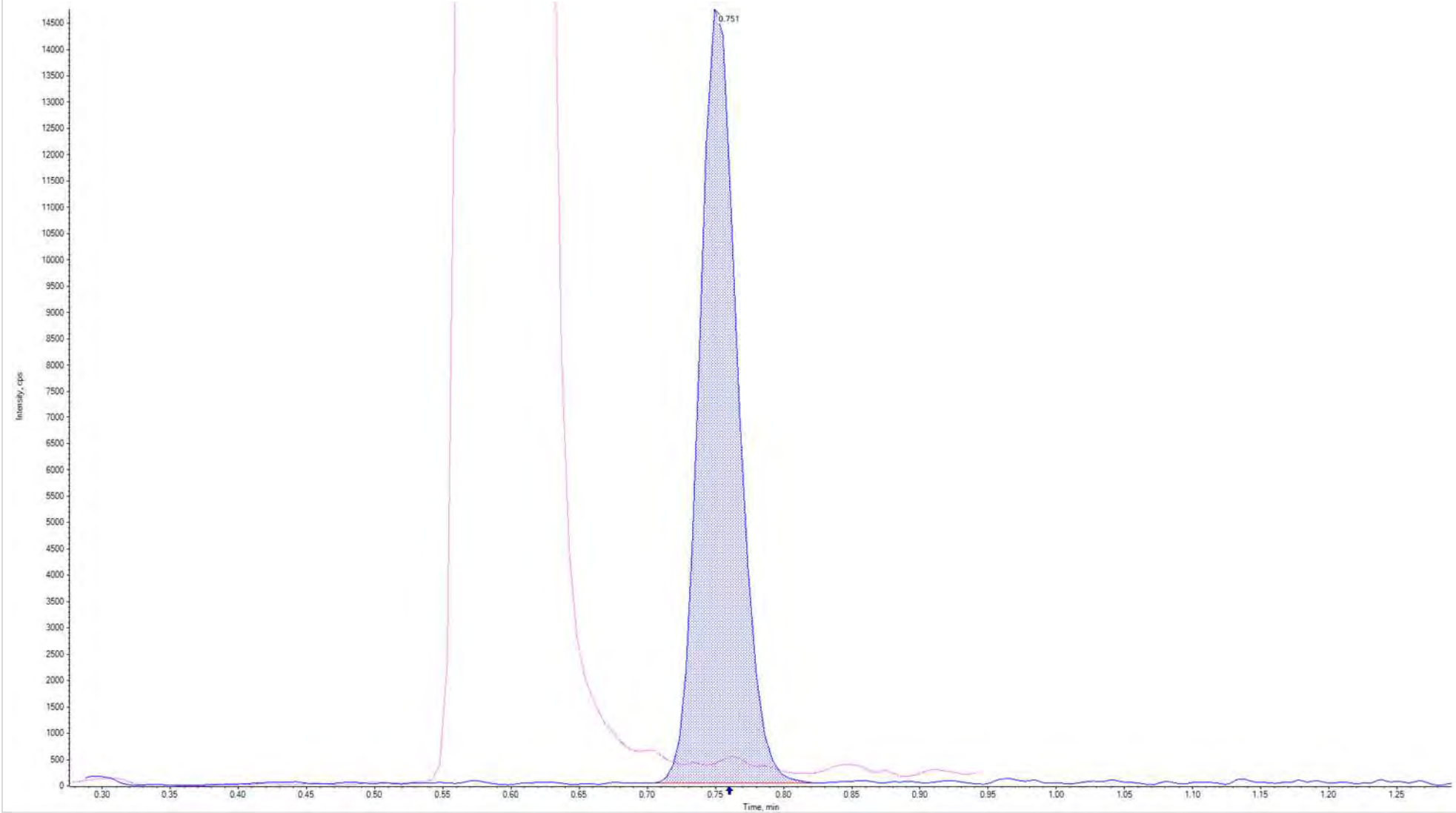
PFMPA
Sample: IA1633STD-.1 S/N:1475.1 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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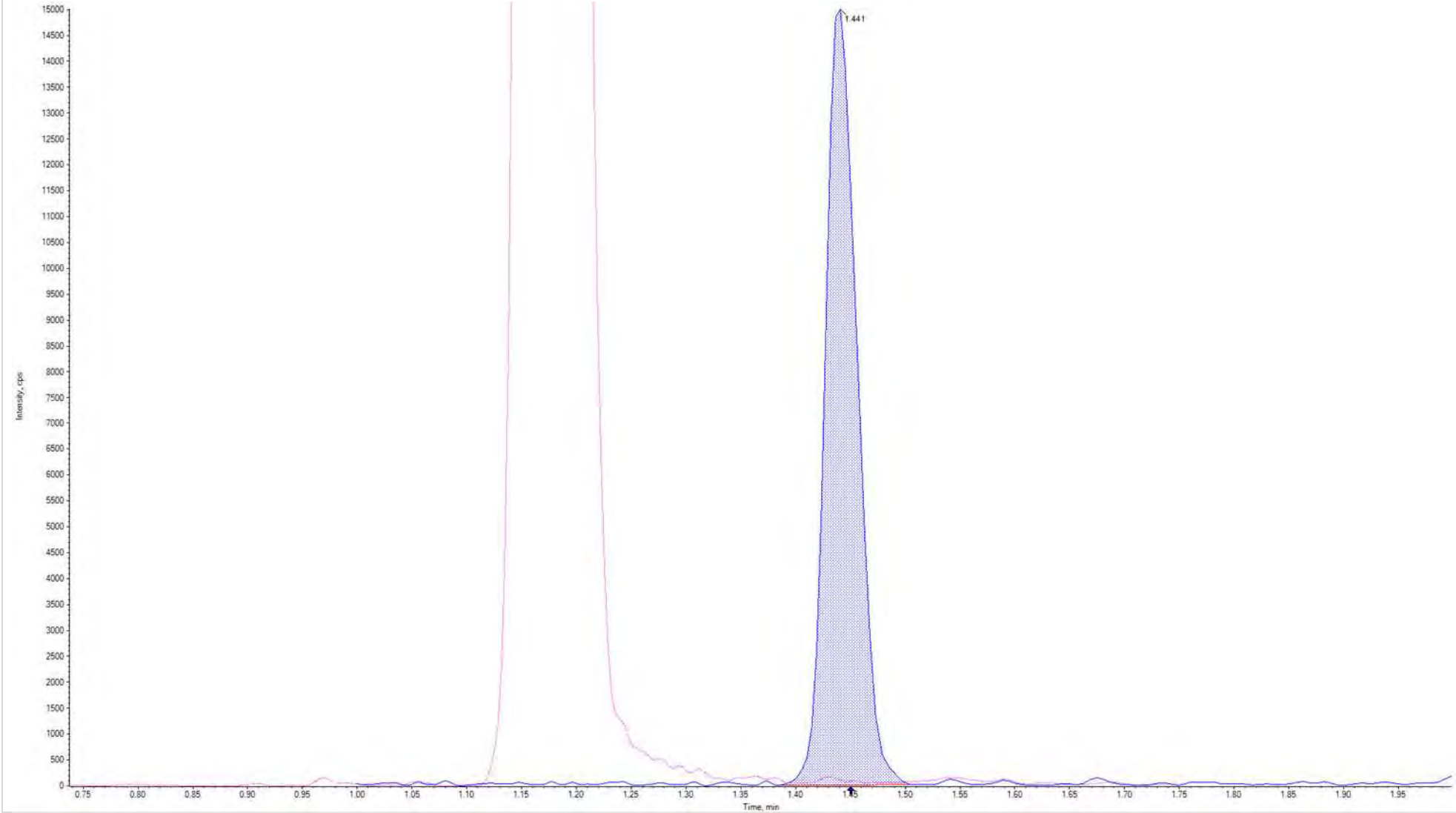
PFMBA
Sample: IA1633STD-.1 S/N:864.3 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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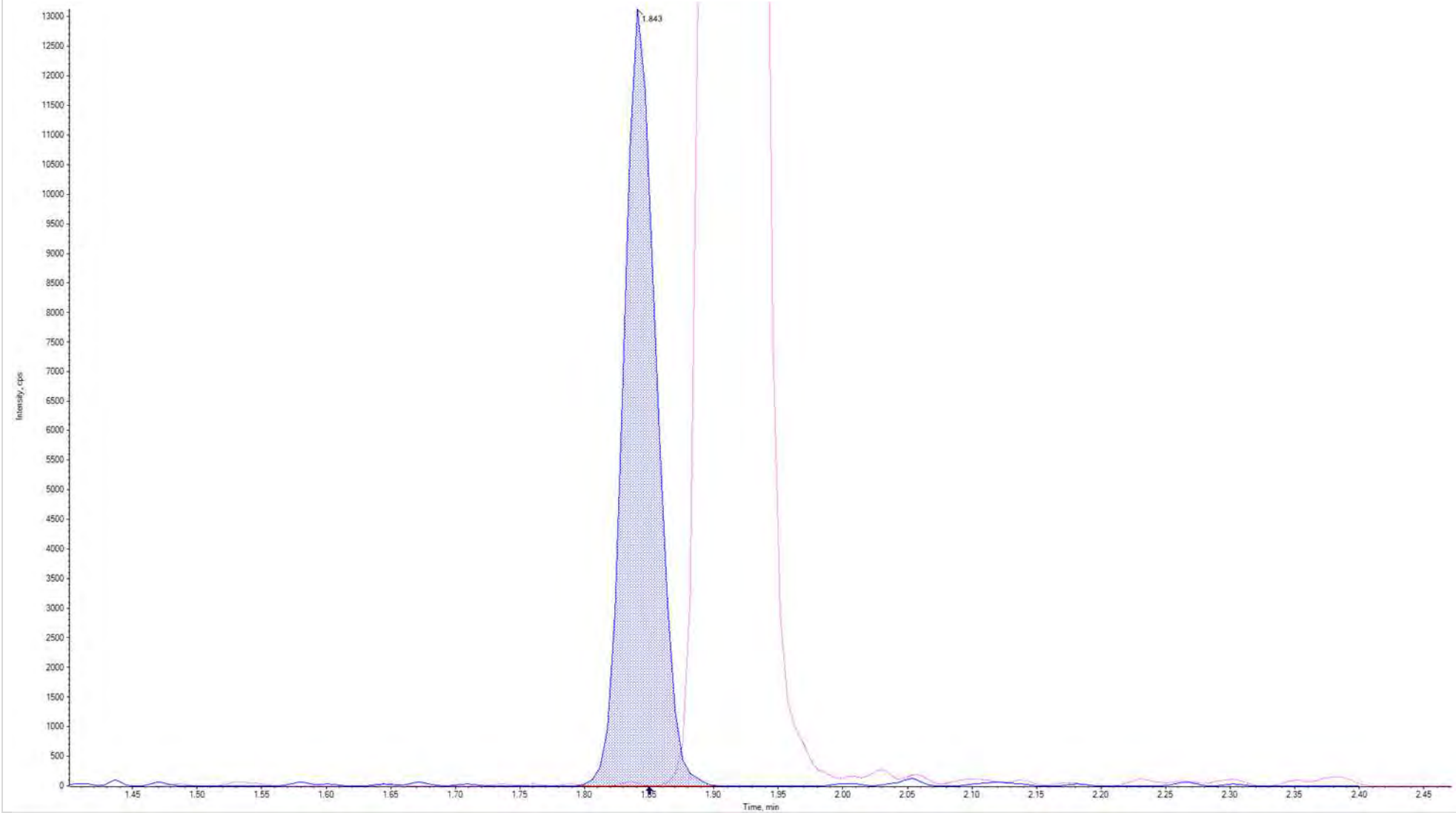
NFDHA
Sample: IA1633STD-.1 S/N:362.0 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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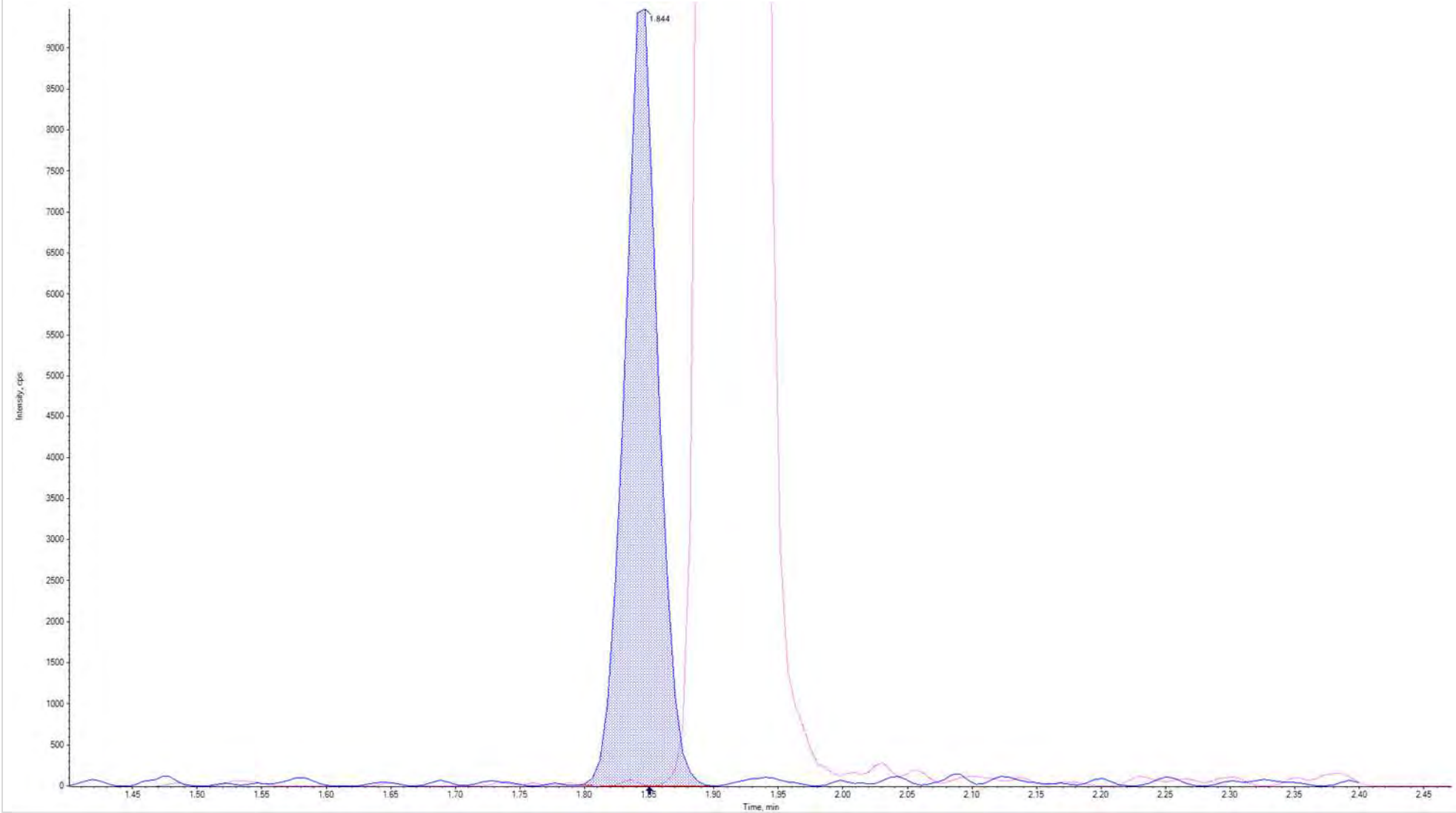
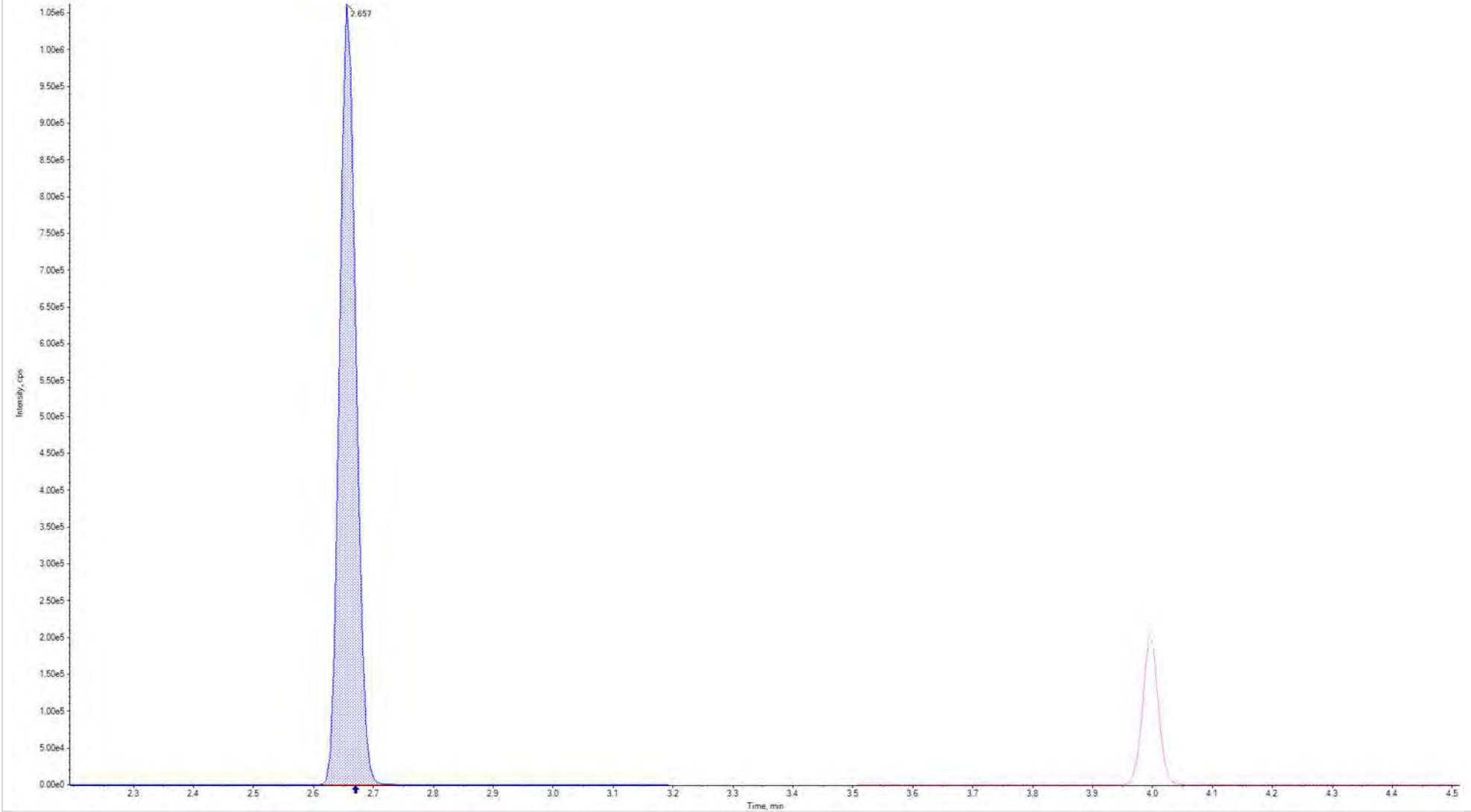
NFDHA_2
Sample: IA1633STD-.1 S/N:261.1 Points Across peak:20



TDCA
Sample: IA1633STD-.1 S/N:9486.4 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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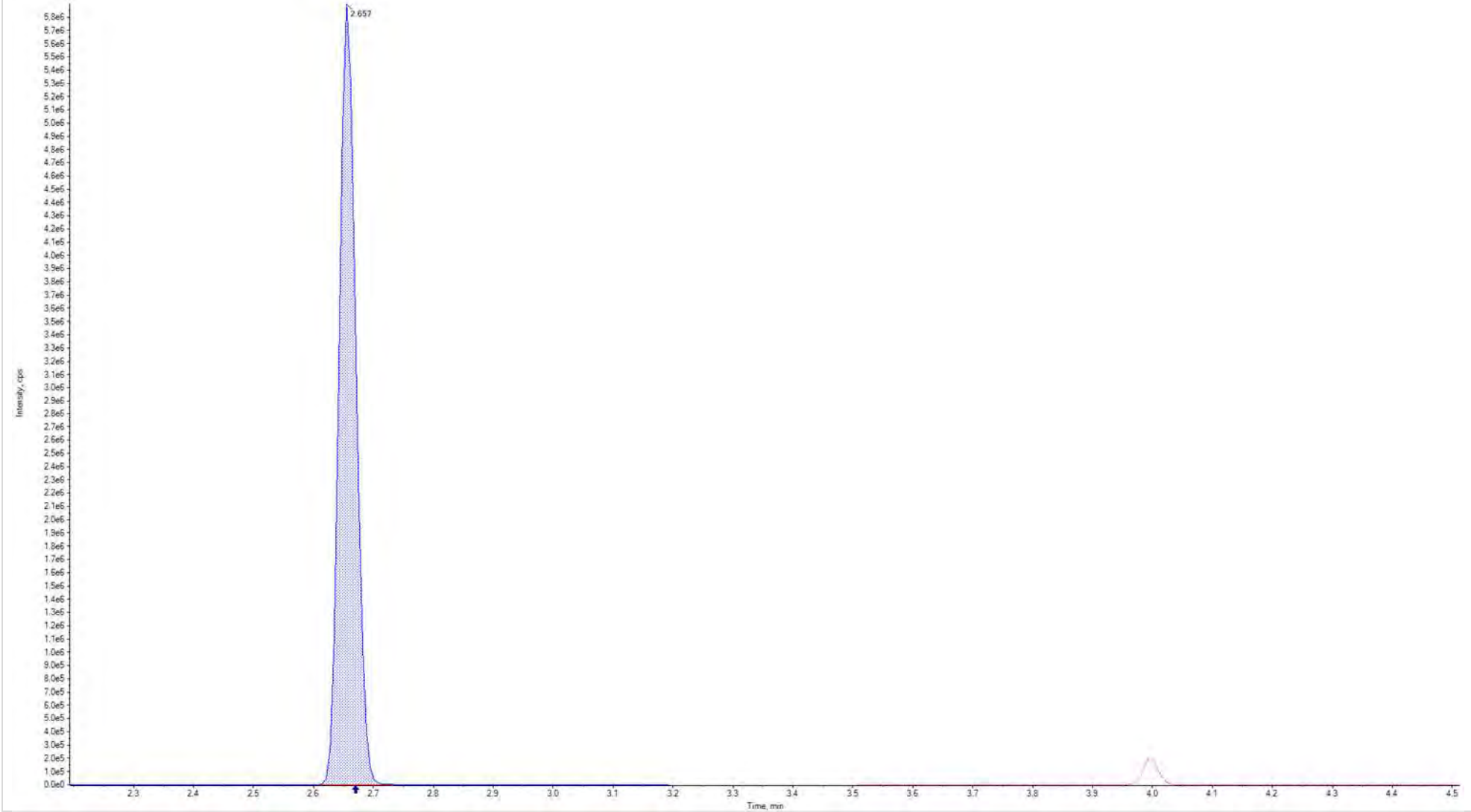
TDCA_2
Sample: IA1633STD-.1 S/N:6926.8 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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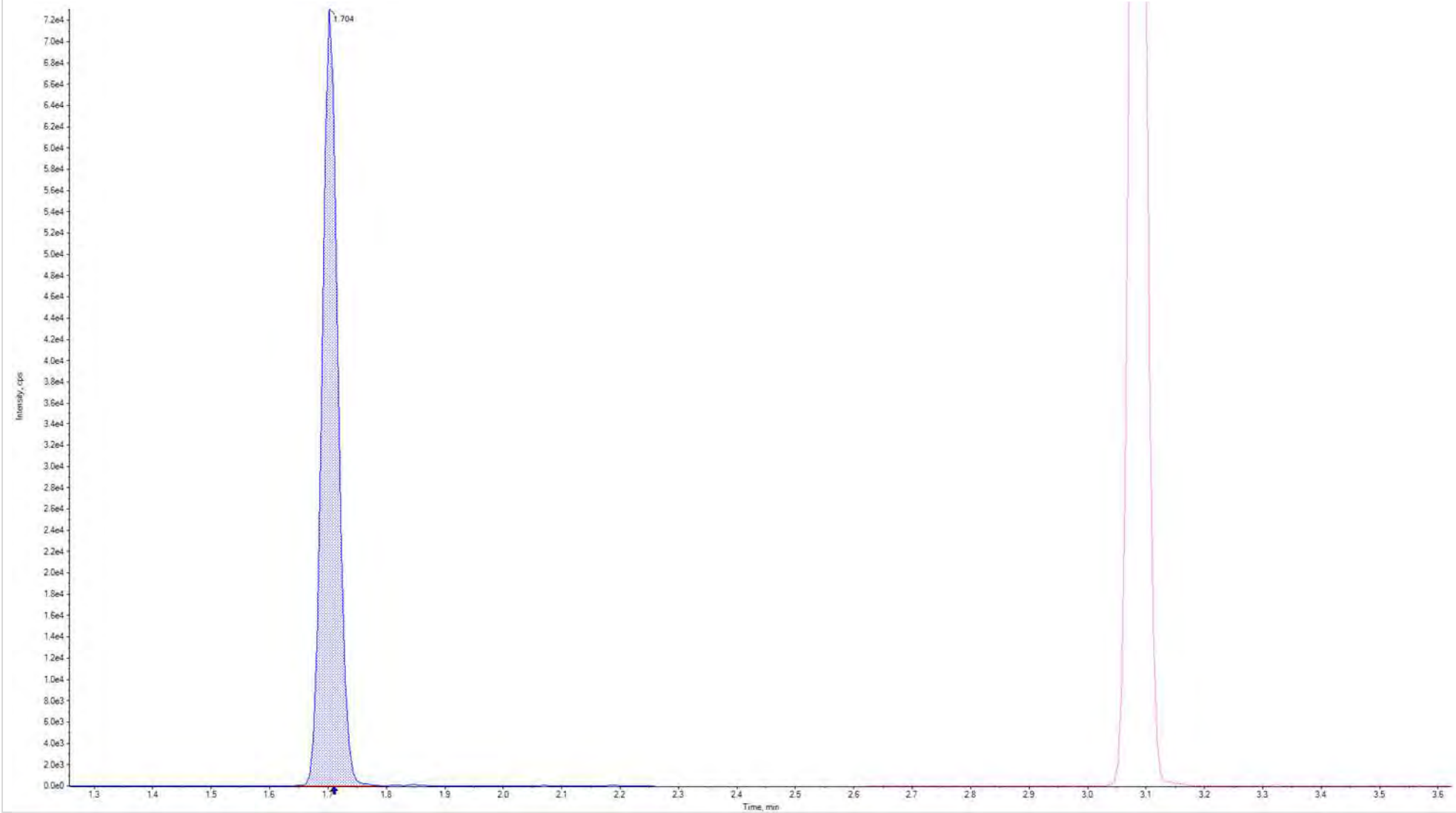
13C2D4-4:2FTS
Sample: IA1633STD-.1 S/N:2747.0 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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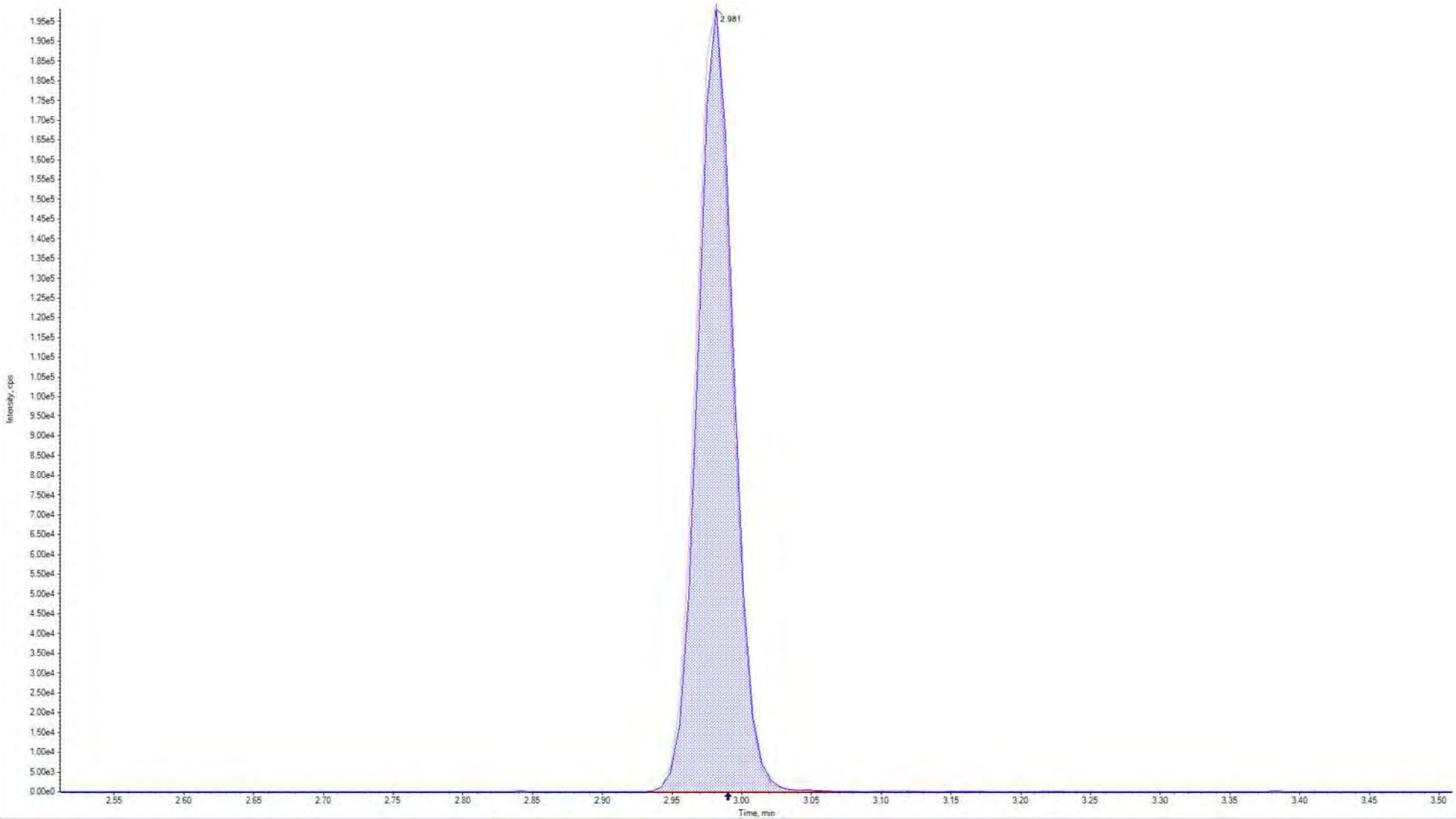
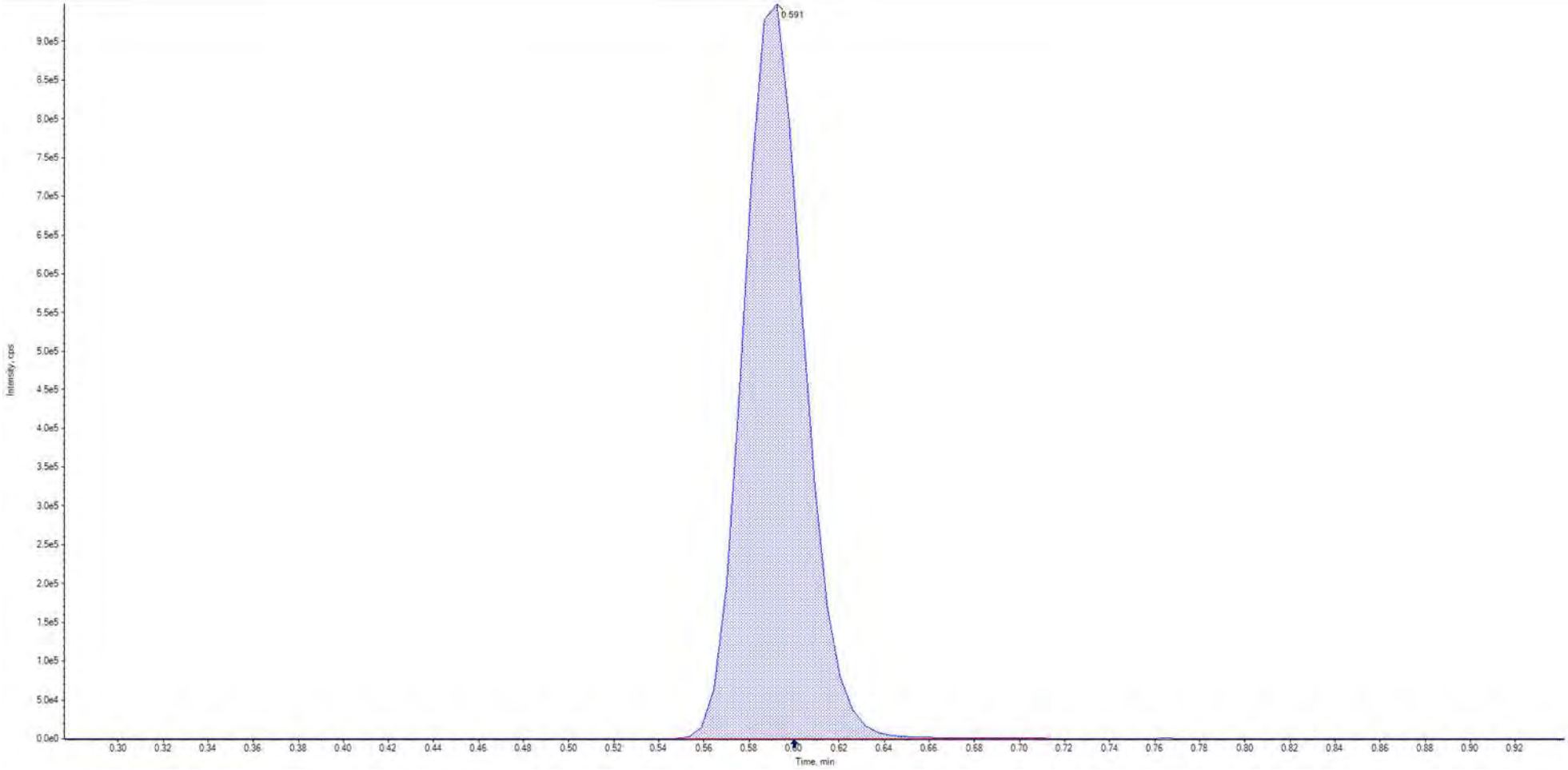
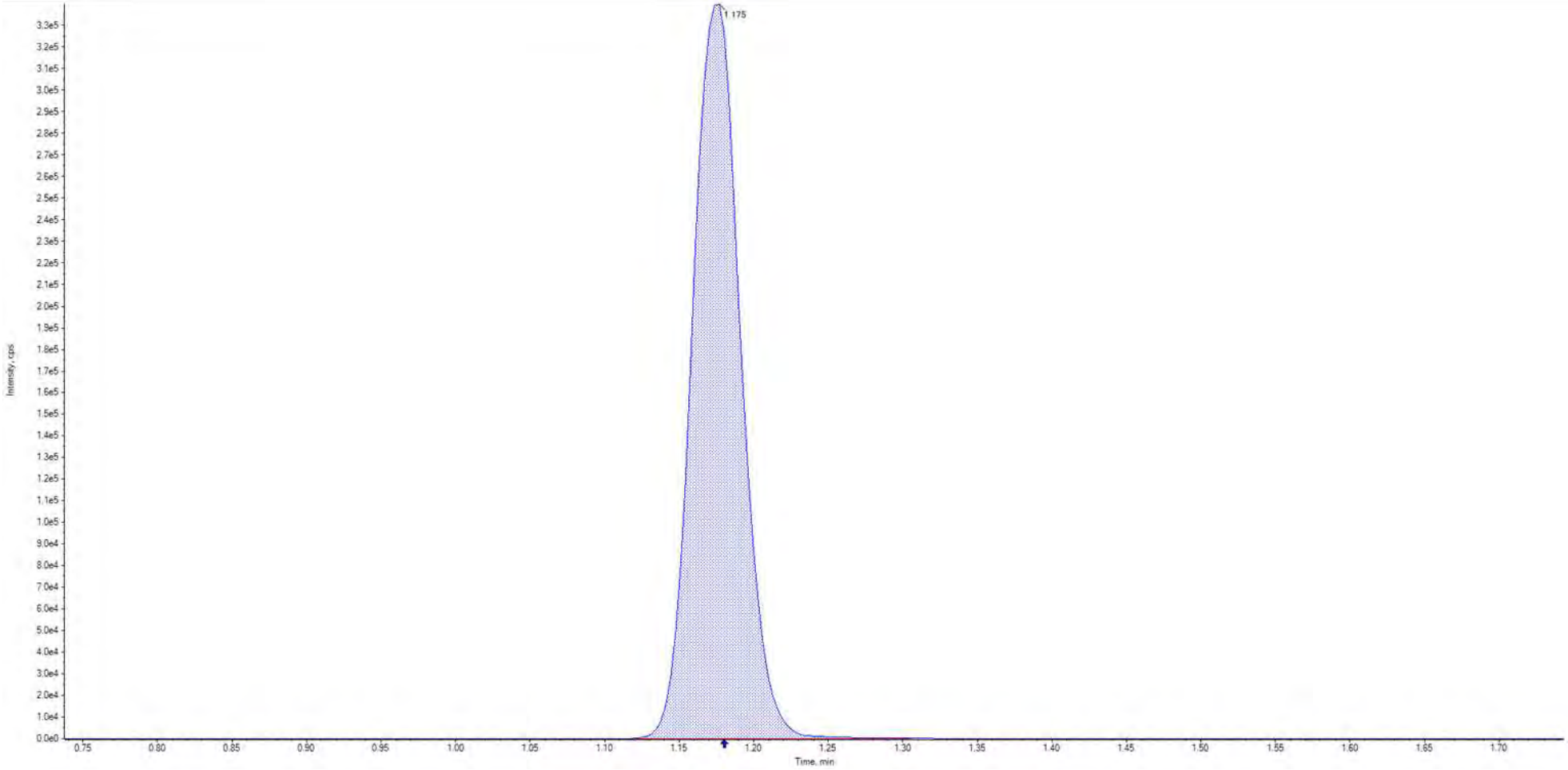
13C2-PFOA
Sample: IA1633STD-.1 S/N:4469.2 Points Across peak:28



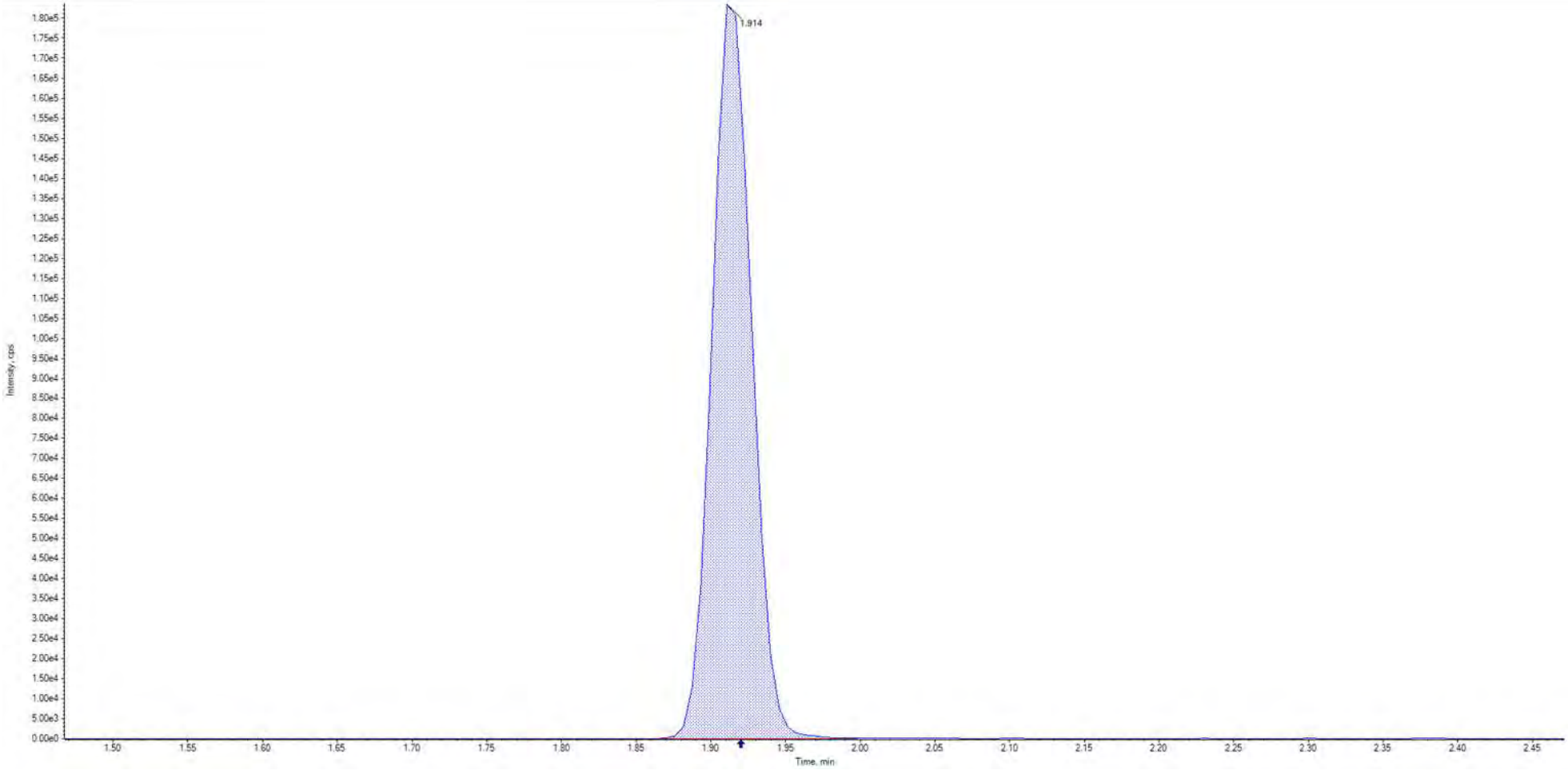
13C4-PFBA
Sample: IA1633STD-.1



13C5-PFPeA
Sample: IA1633STD-.1



13C5-PFHxA
Sample: IA1633STD-.1



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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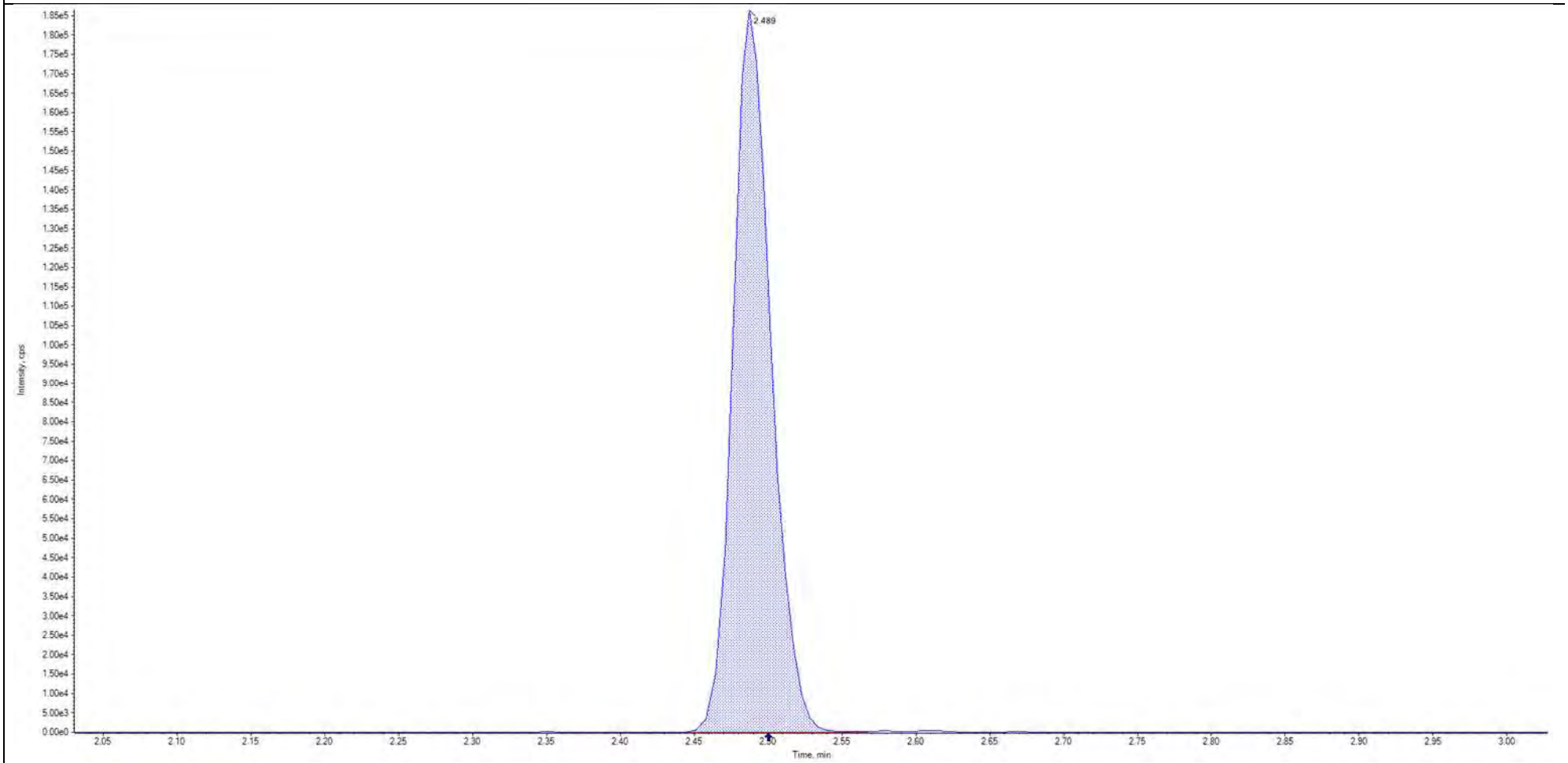
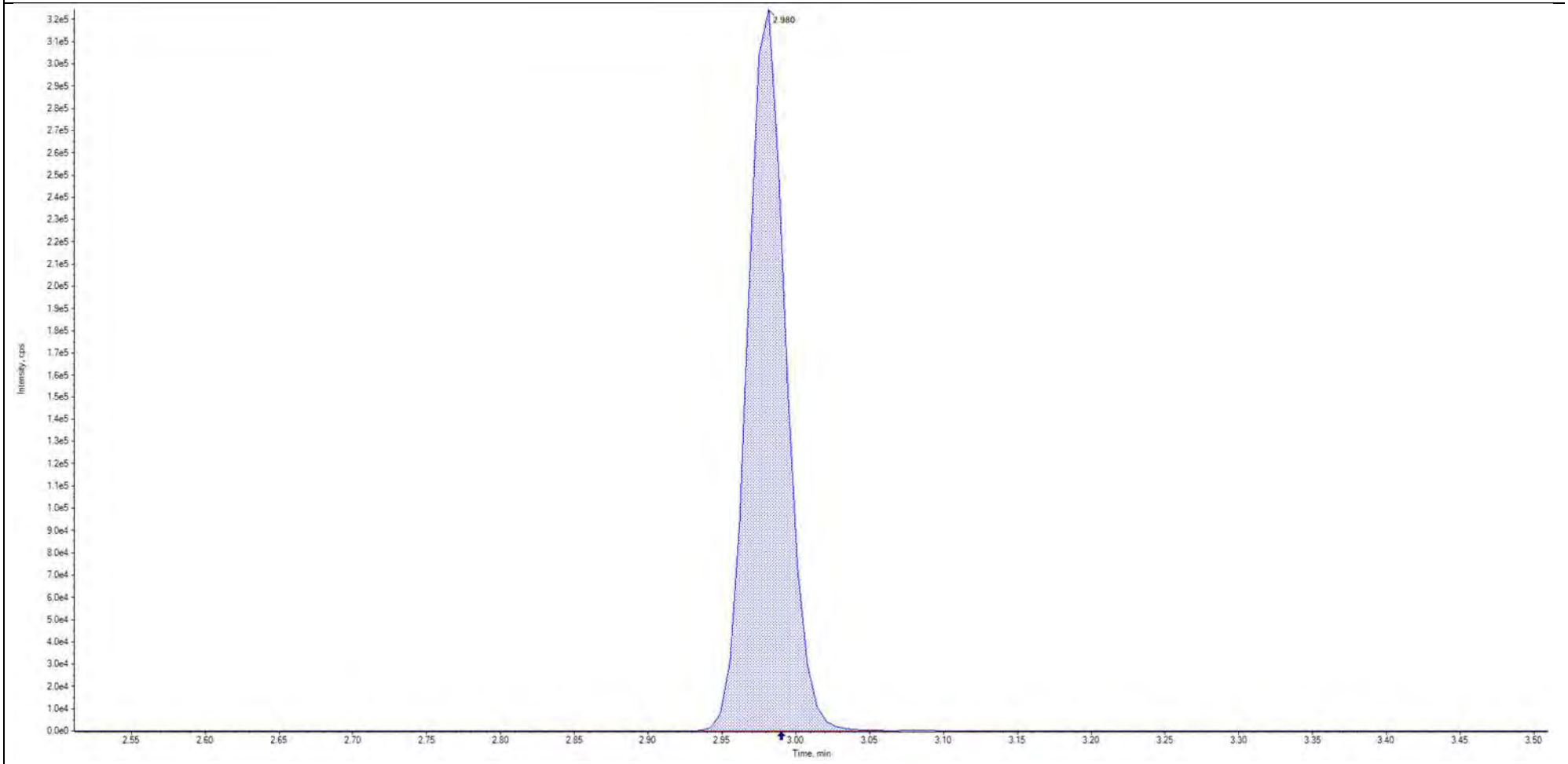
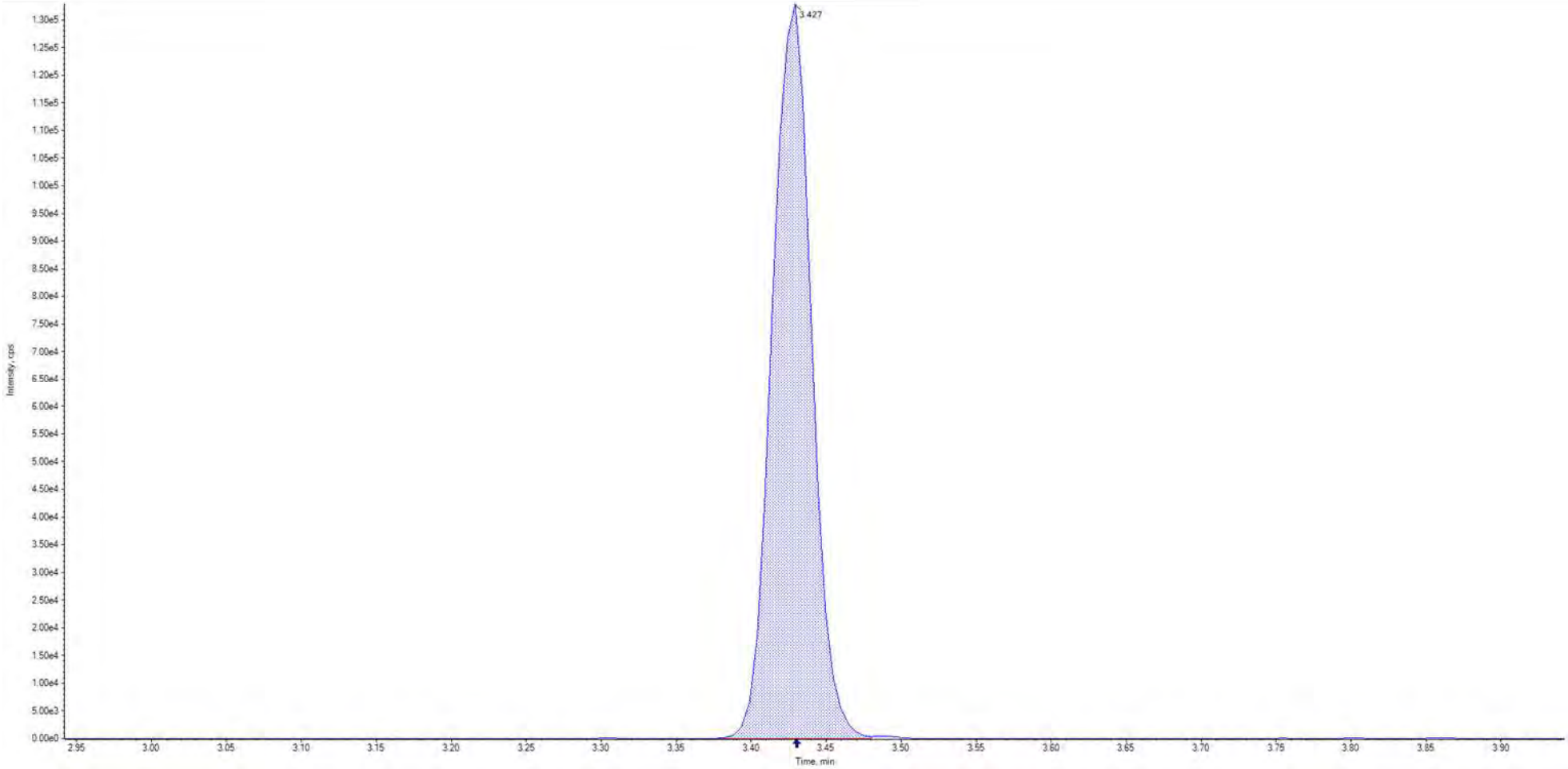
13C4-PFHpA
Sample: IA1633STD-.1



13C8-PFOA
Sample: IA1633STD-.1



13C9-PFNA
Sample: IA1633STD-.1



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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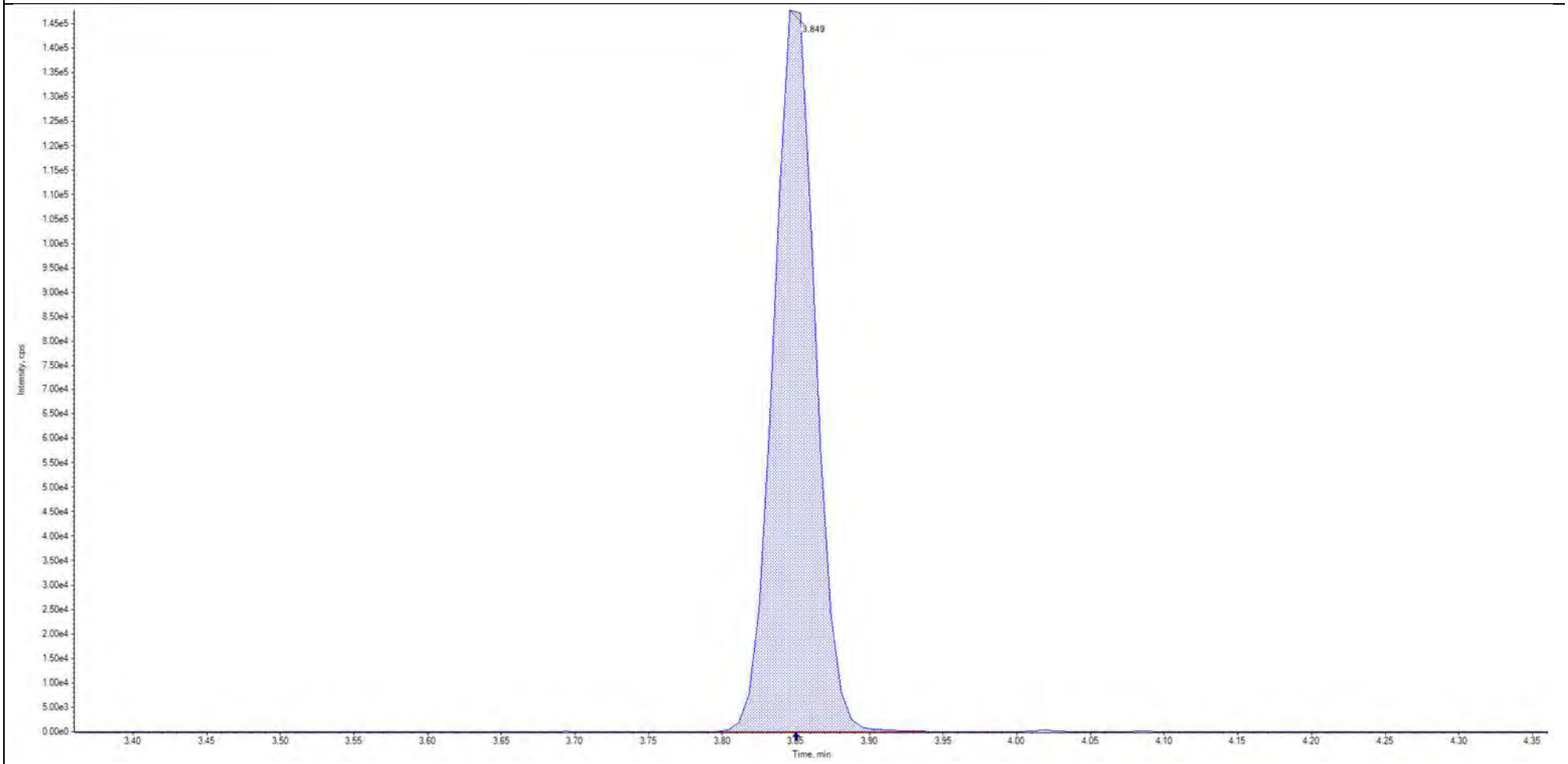
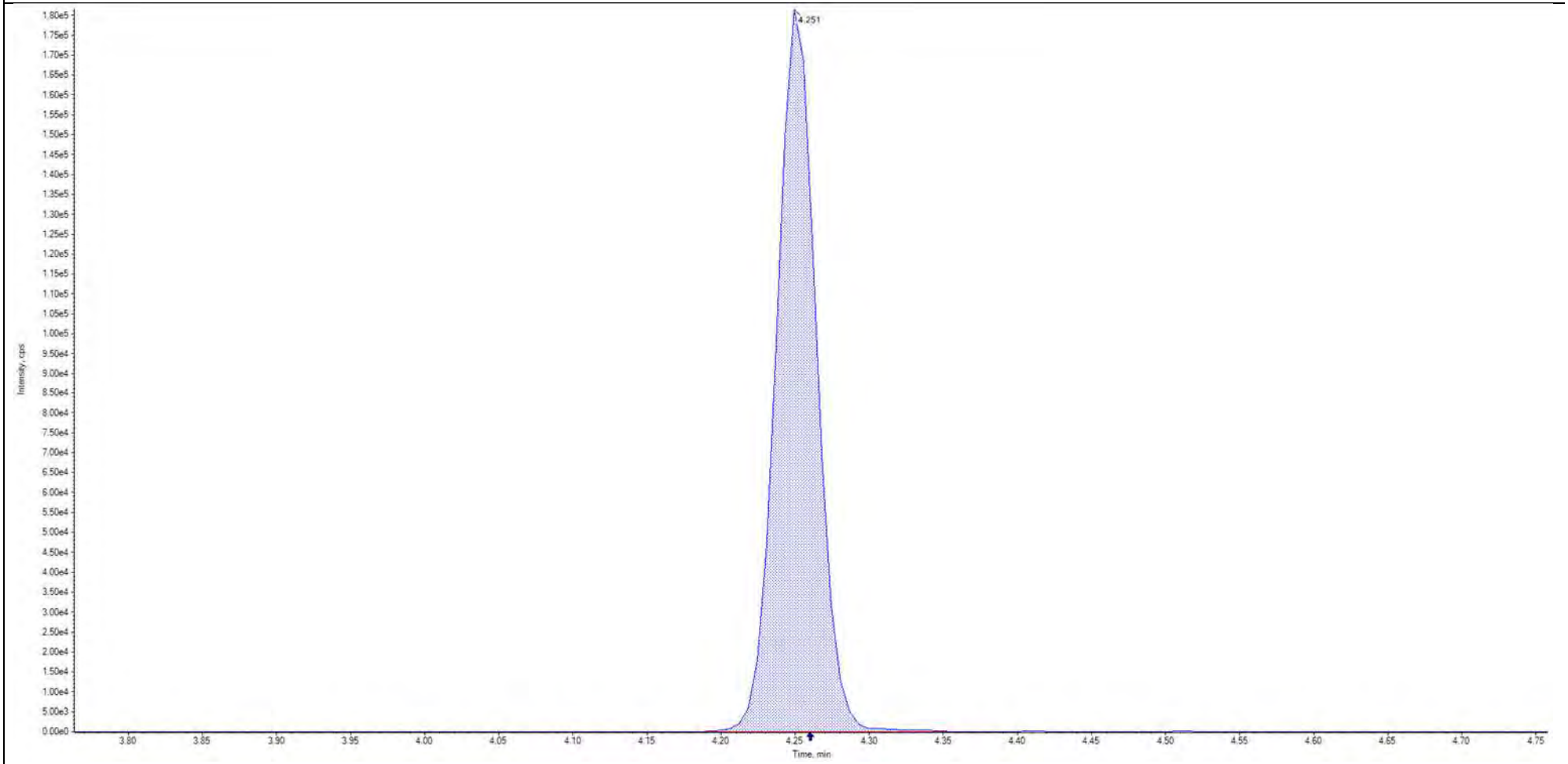
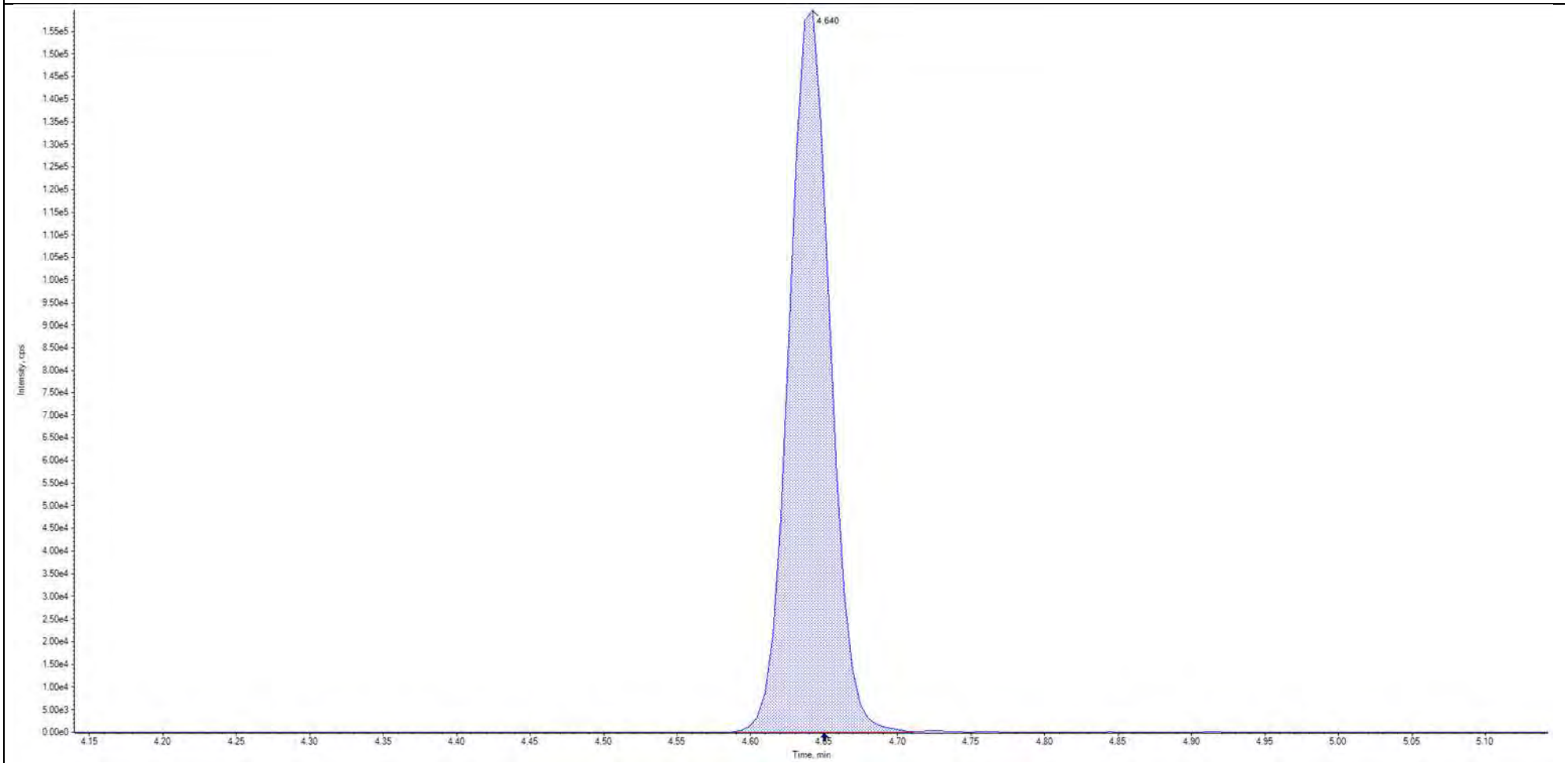
13C6-PFDA
Sample: IA1633STD-.1



13C7-PFUnA
Sample: IA1633STD-.1



13C2-PFDoA
Sample: IA1633STD-.1



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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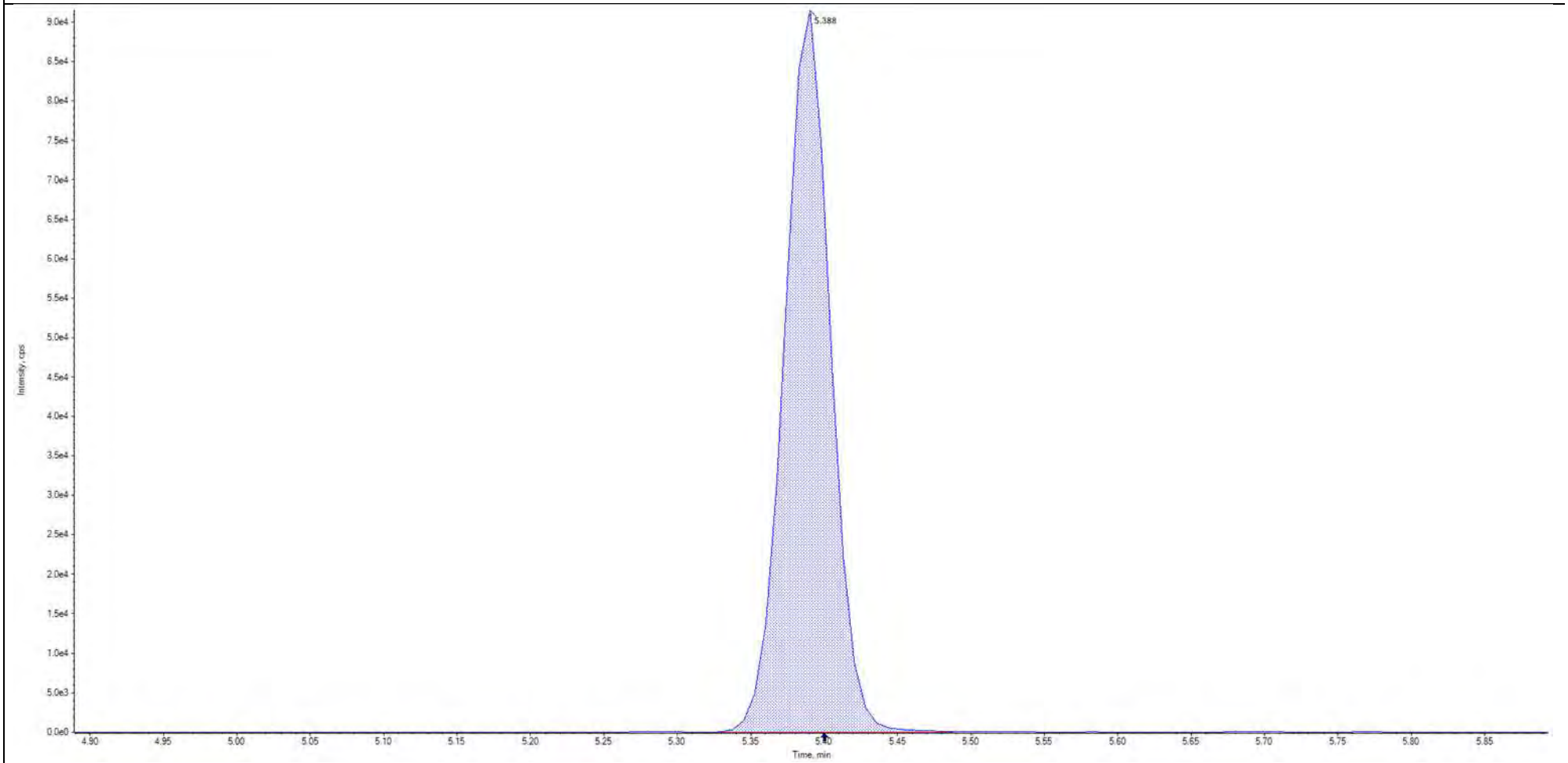
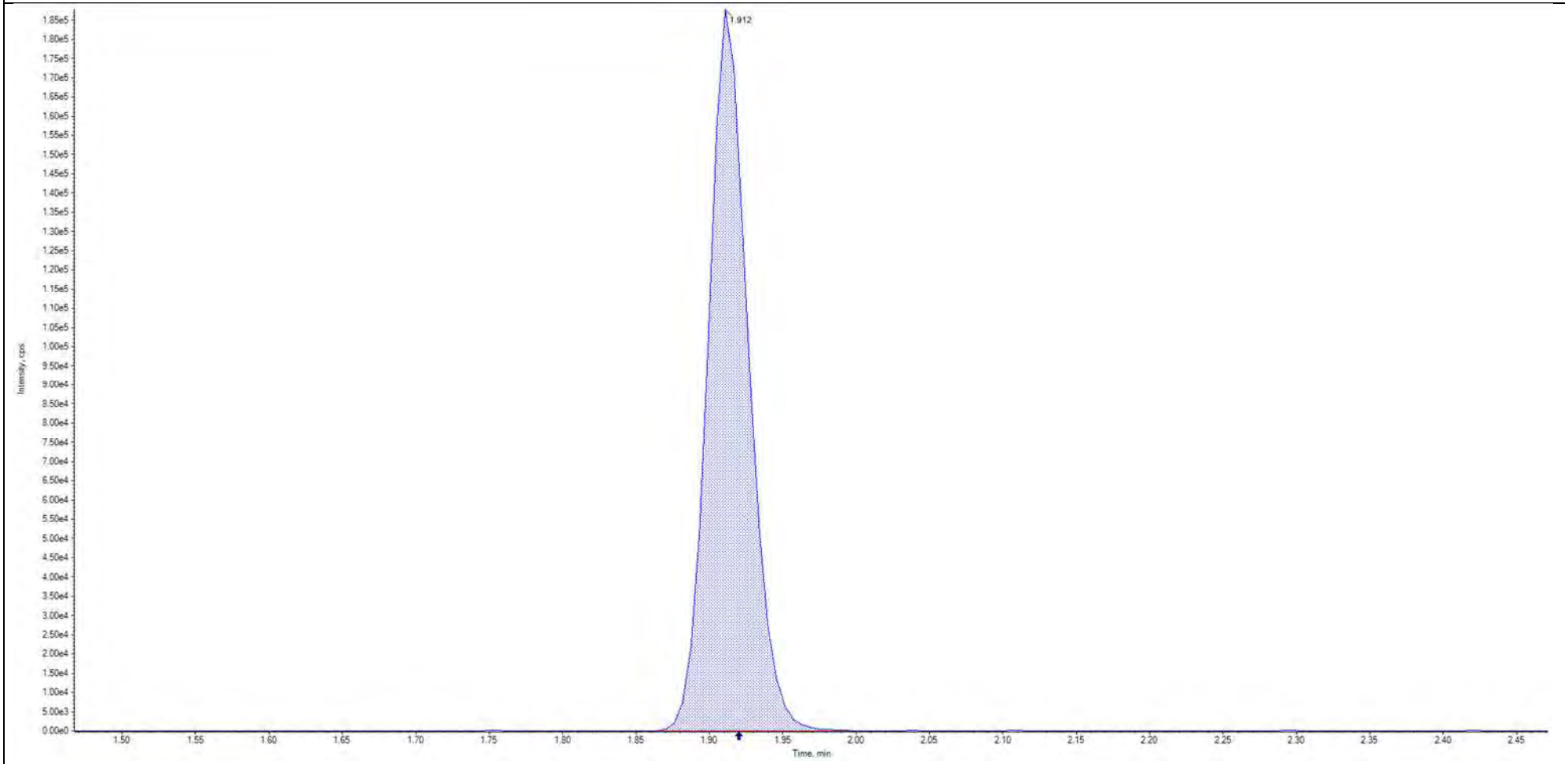
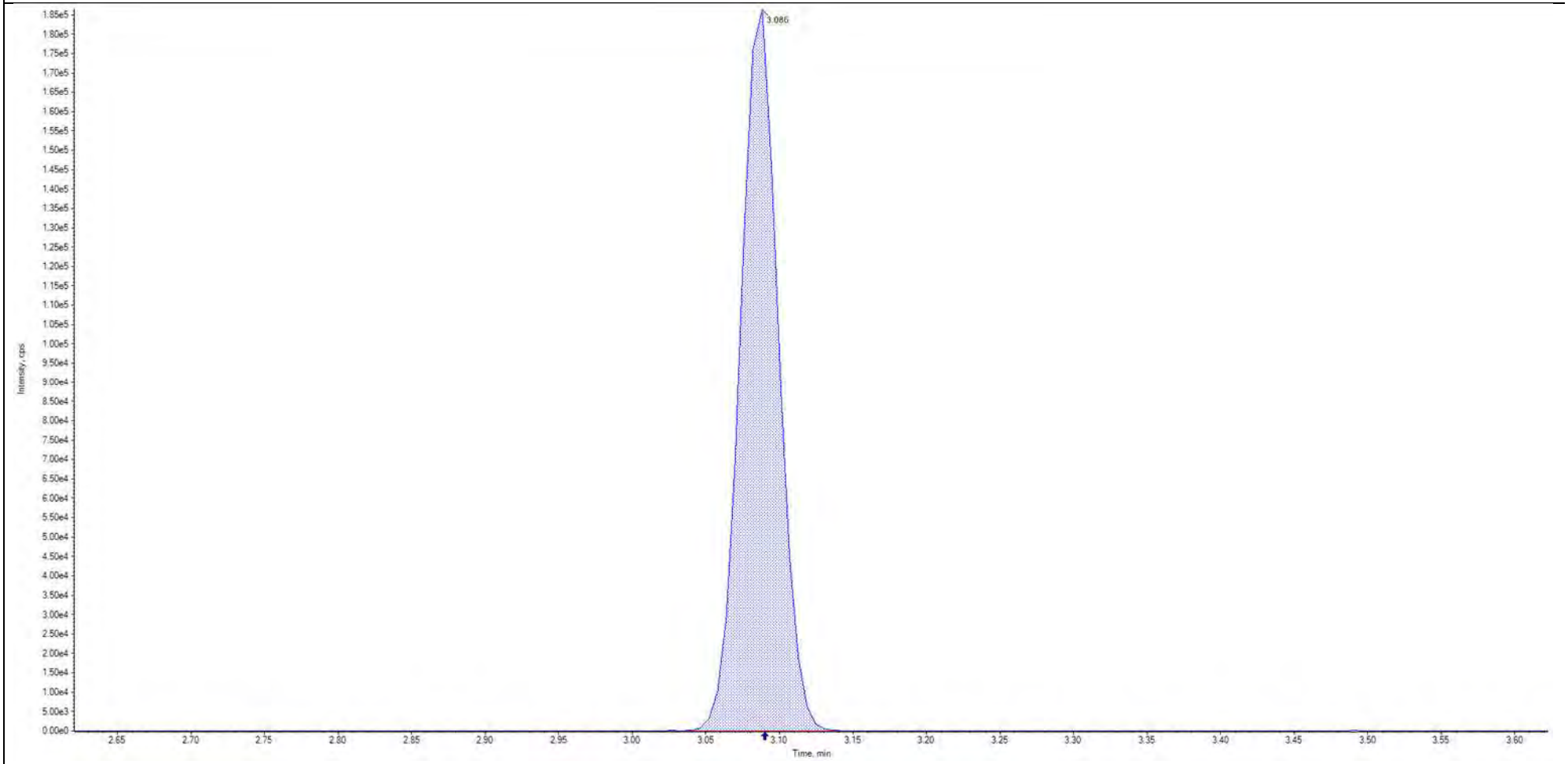
13C2-PFTeDA
Sample: IA1633STD-.1



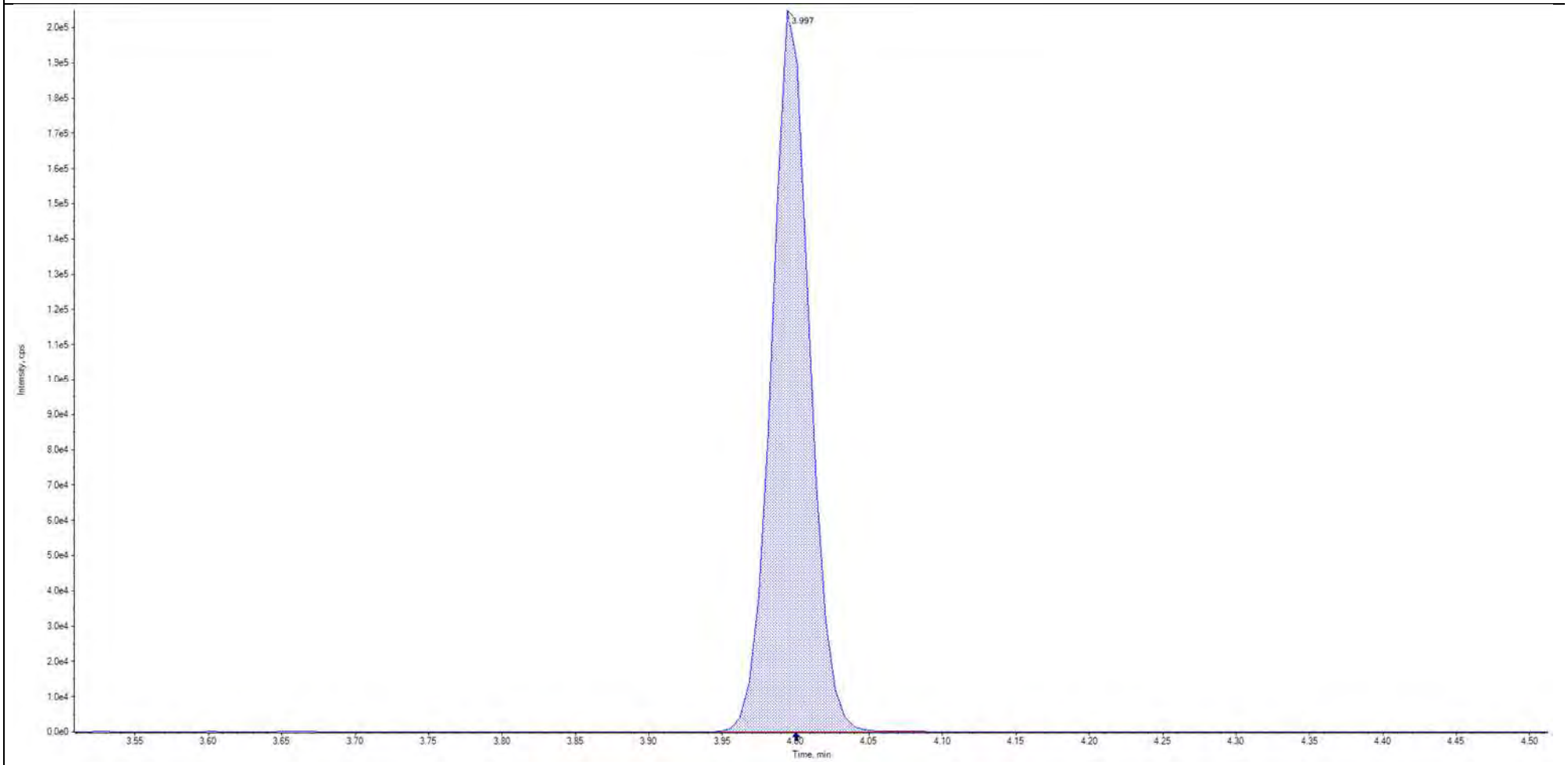
13C3-PFBS
Sample: IA1633STD-.1



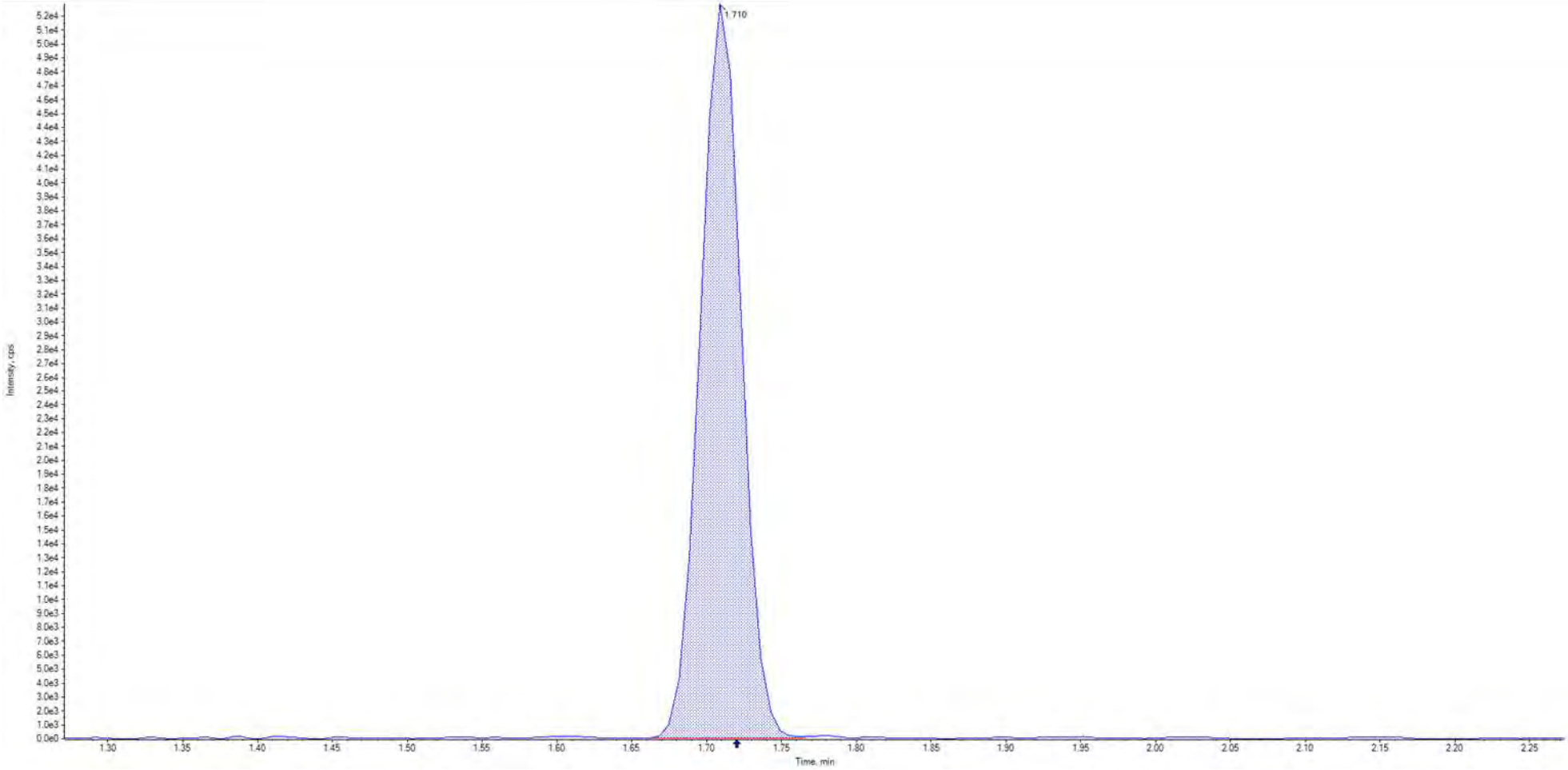
13C3-PFHxS
Sample: IA1633STD-.1



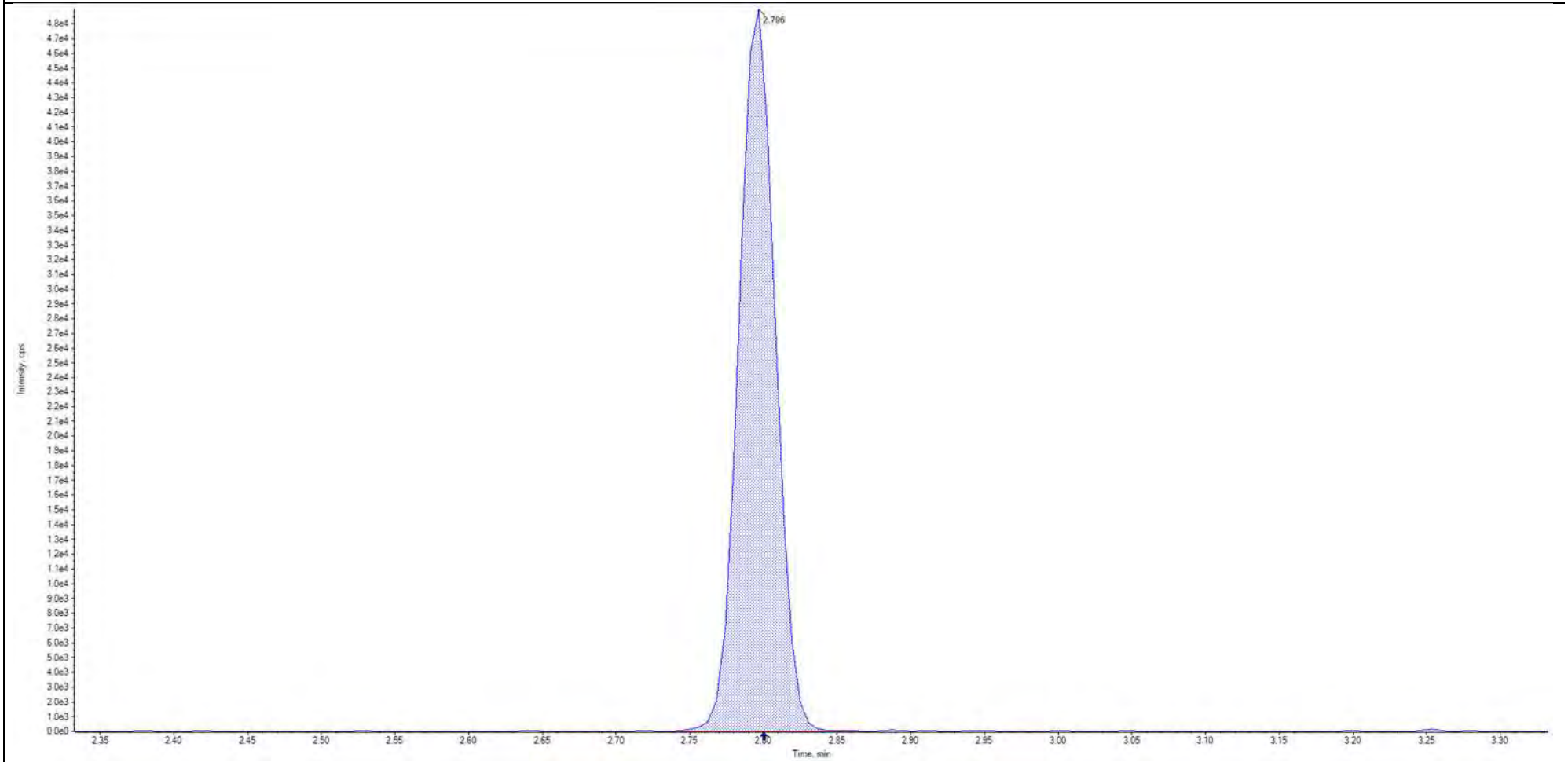
13C8-PFOS
Sample: IA1633STD-.1



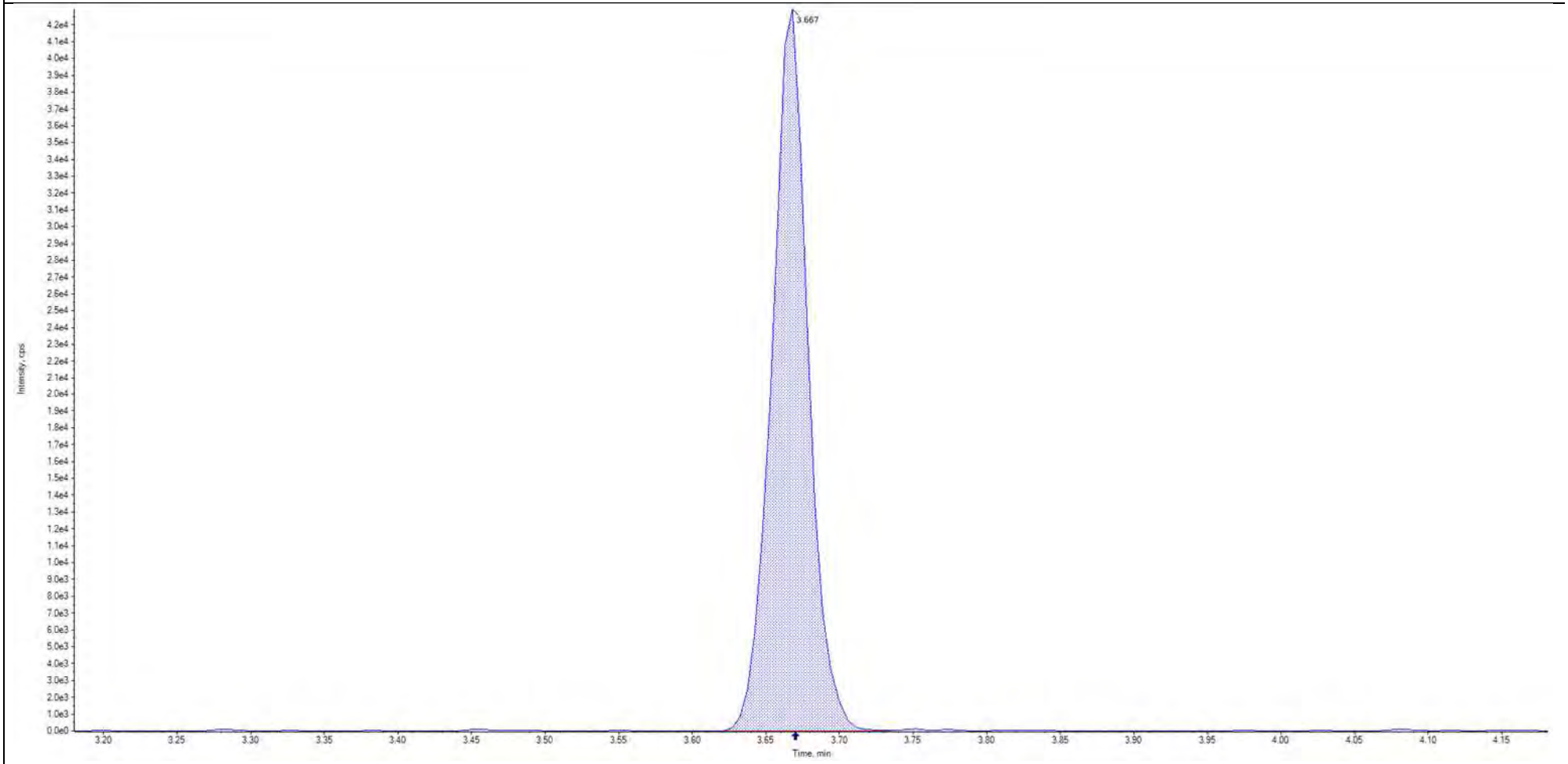
13C2-4:2FTS
Sample: IA1633STD-.1



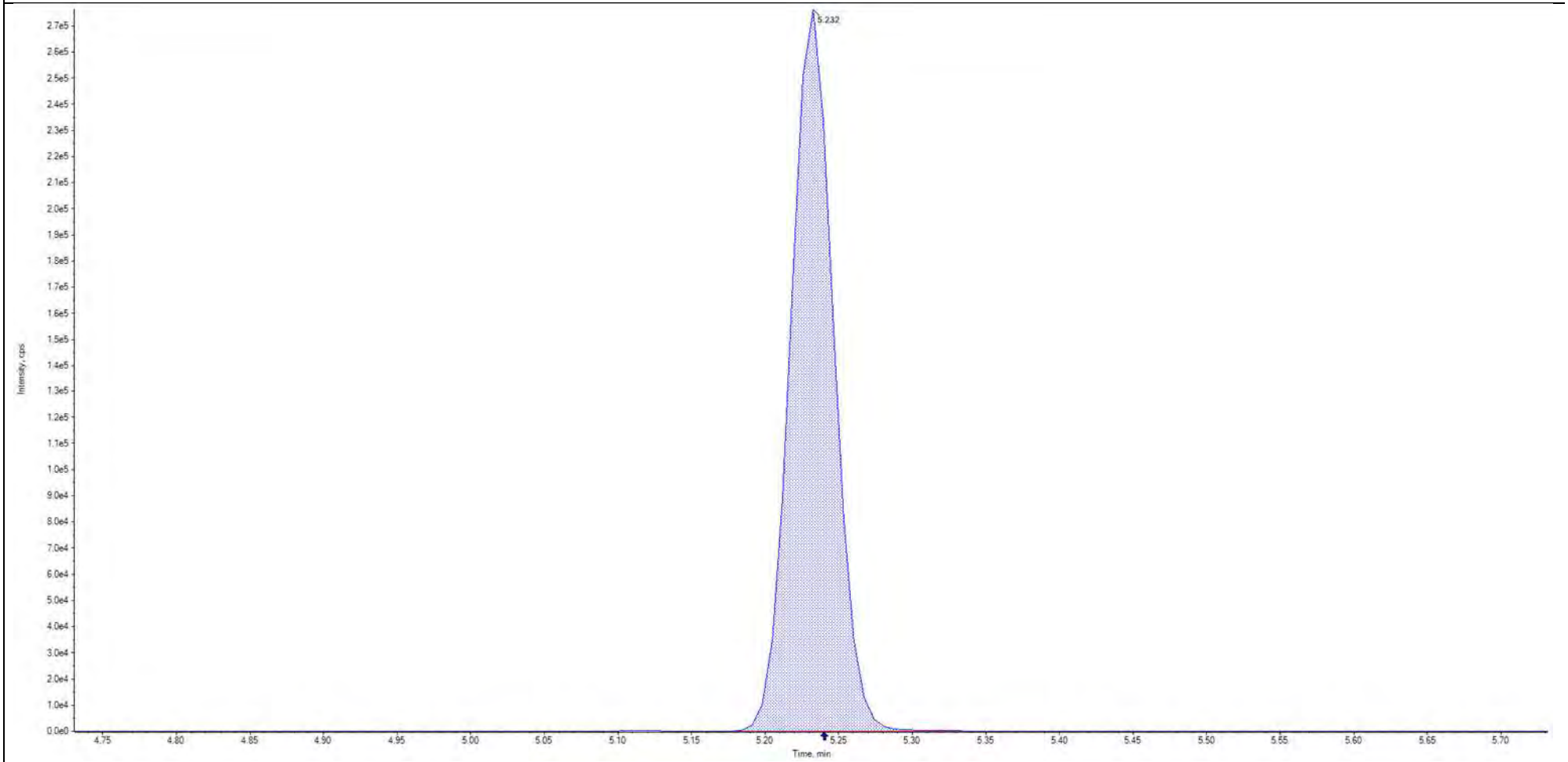
13C2-6:2FTS
Sample: IA1633STD-.1



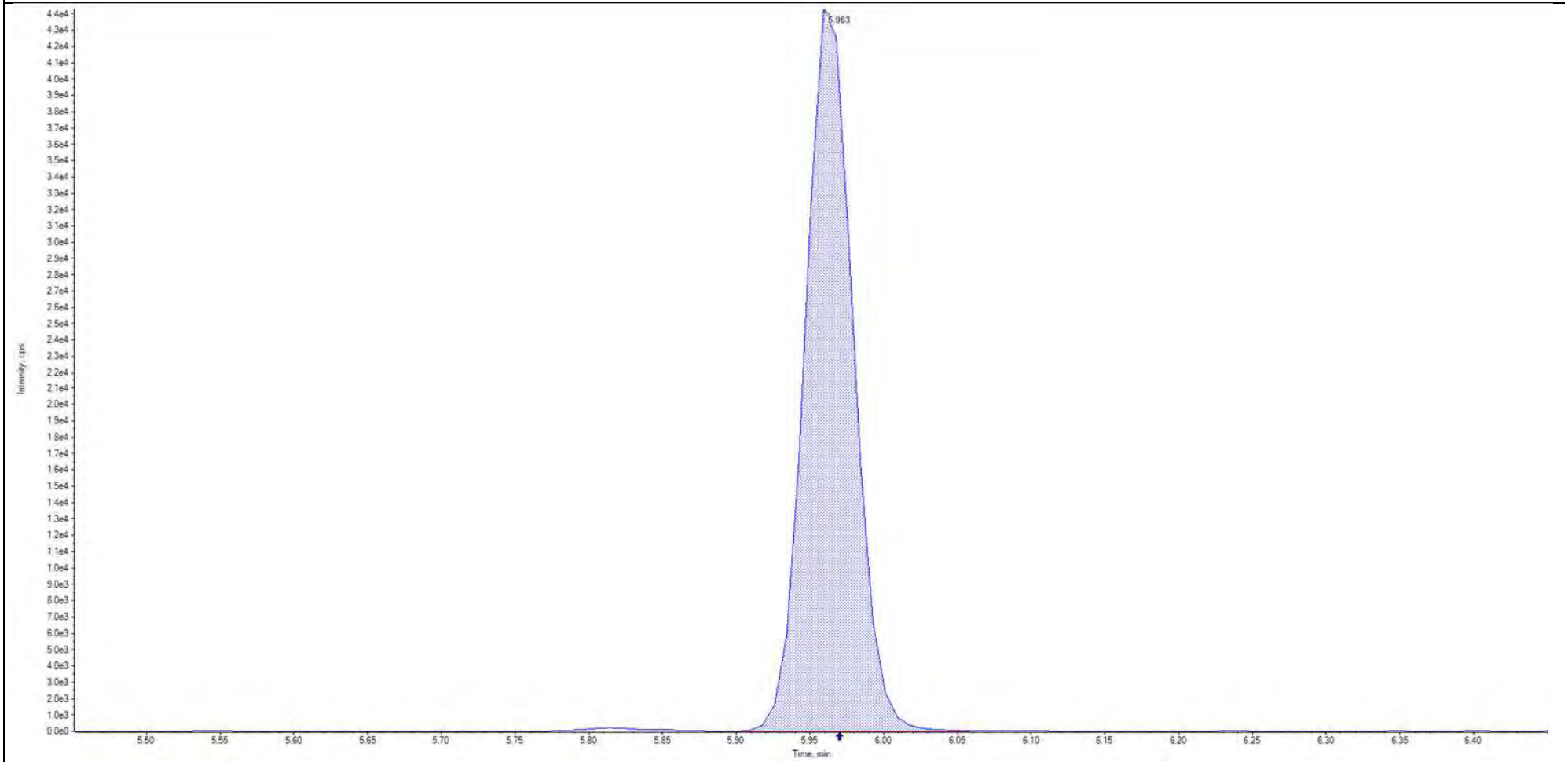
13C2-8:2FTS
Sample: IA1633STD-.1



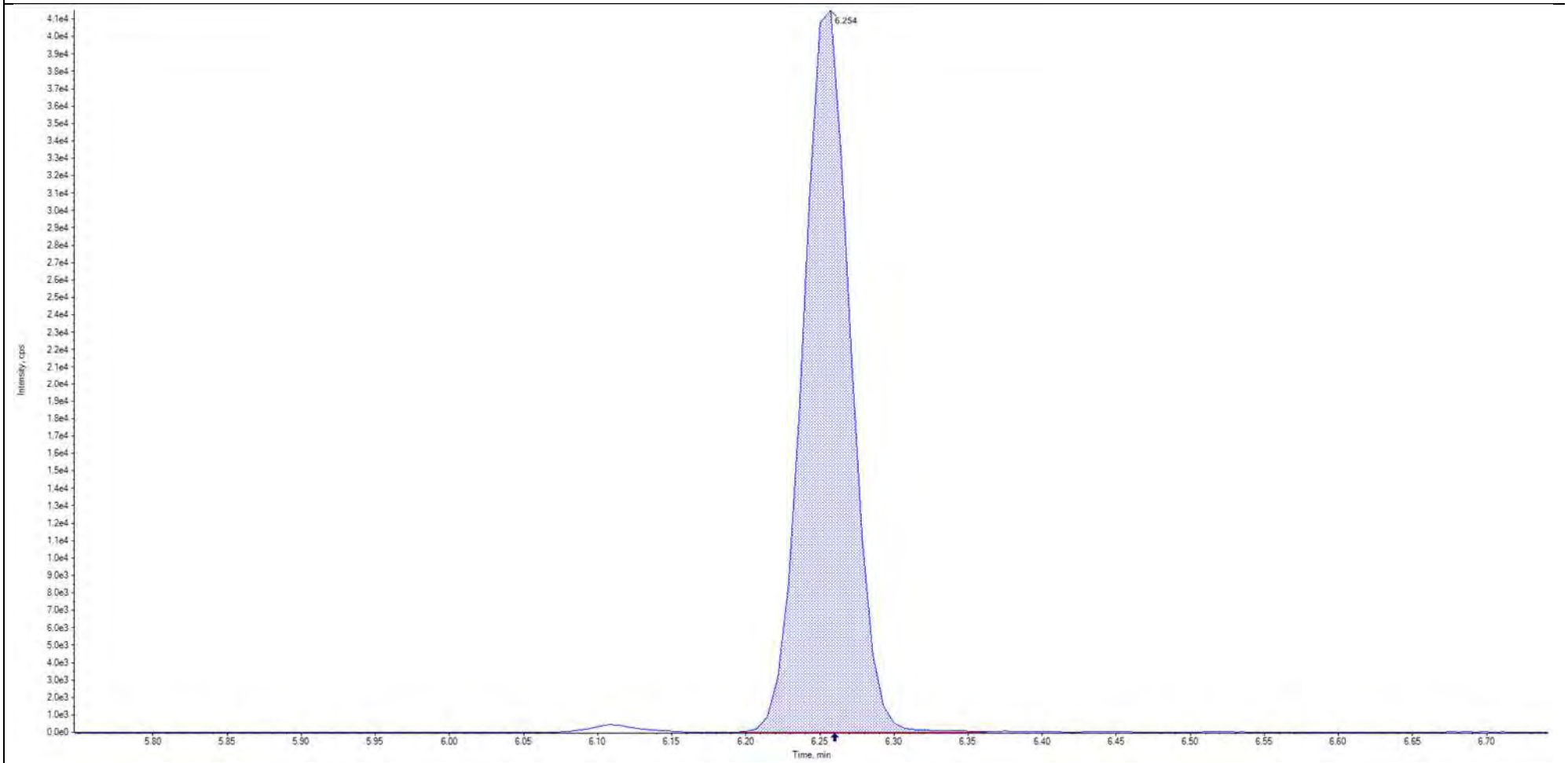
13C8-PFOSA
Sample: IA1633STD-.1



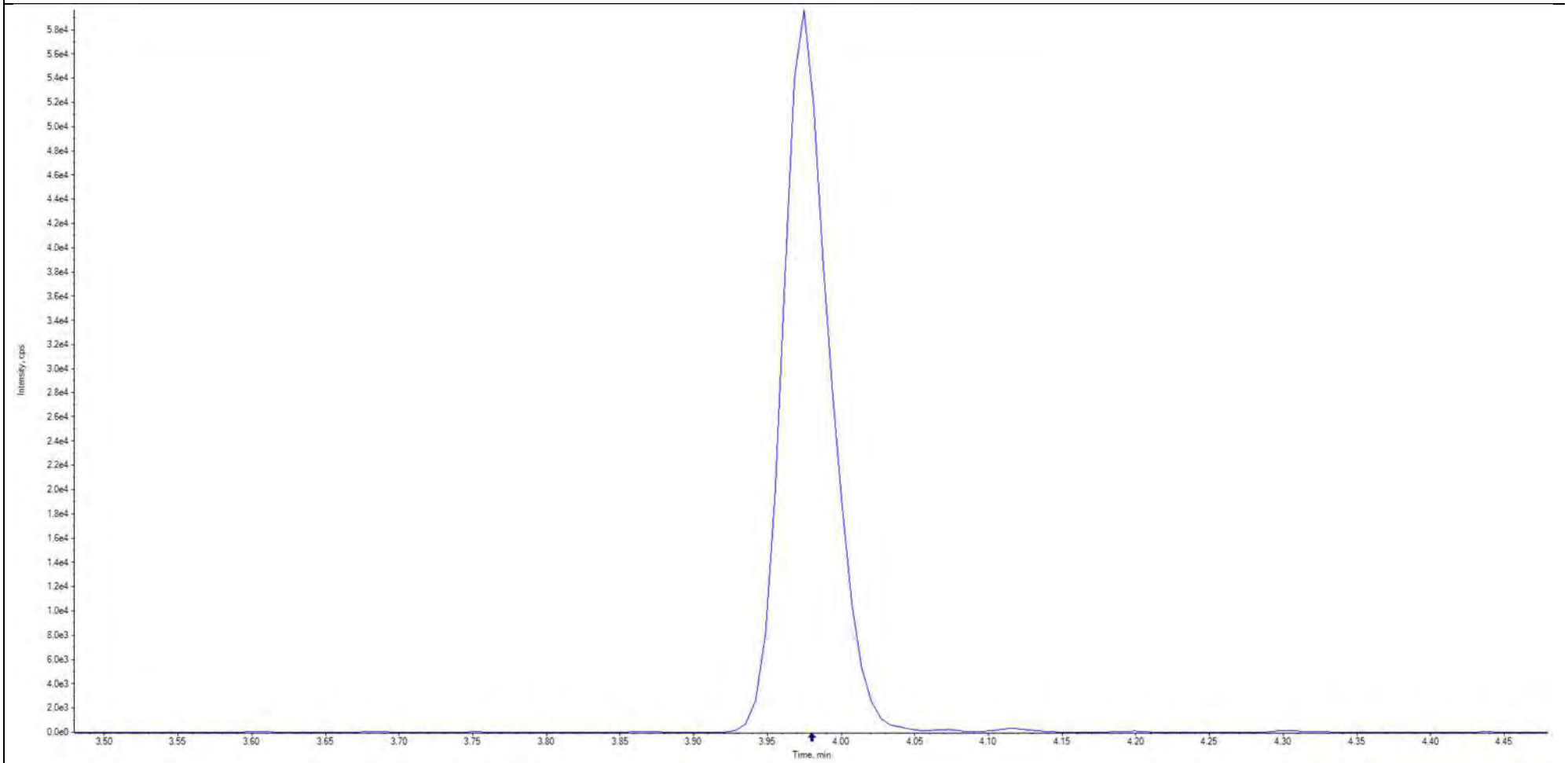
d3-NMeFOSA
Sample: IA1633STD-.1



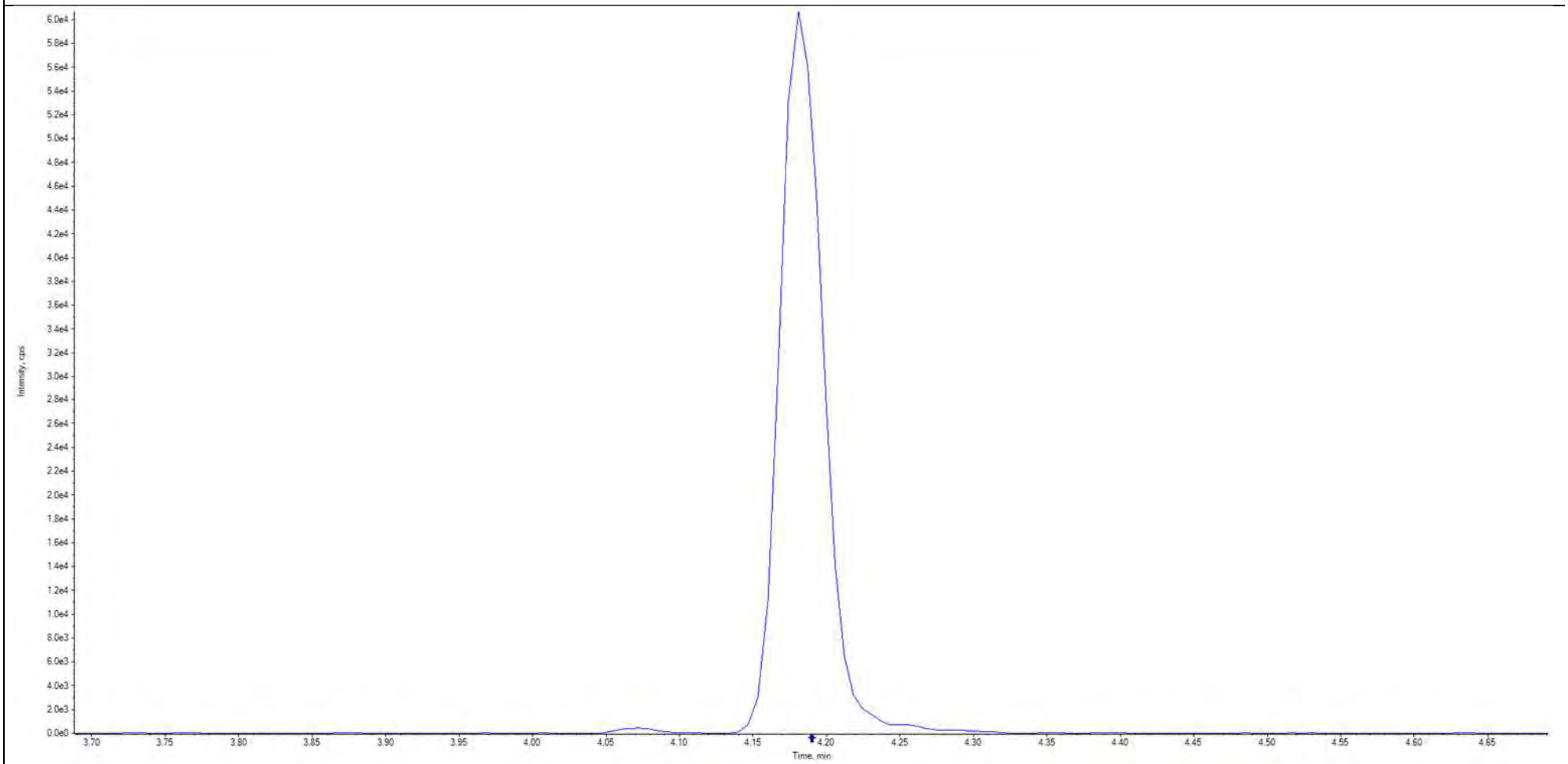
d5-NEtFOSA
Sample: IA1633STD-.1



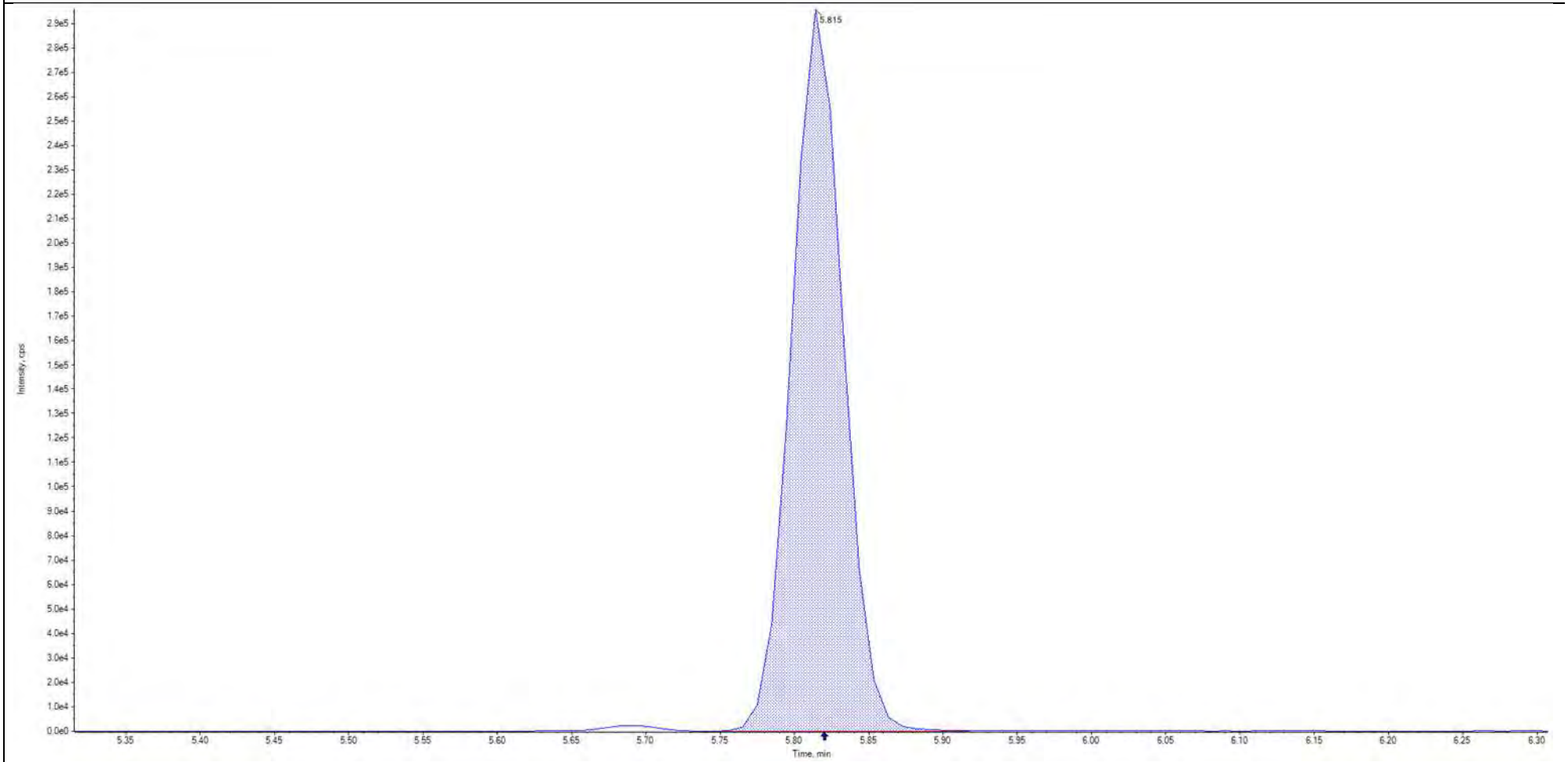
d3-NMeFOSAA
Sample: IA1633STD-.1



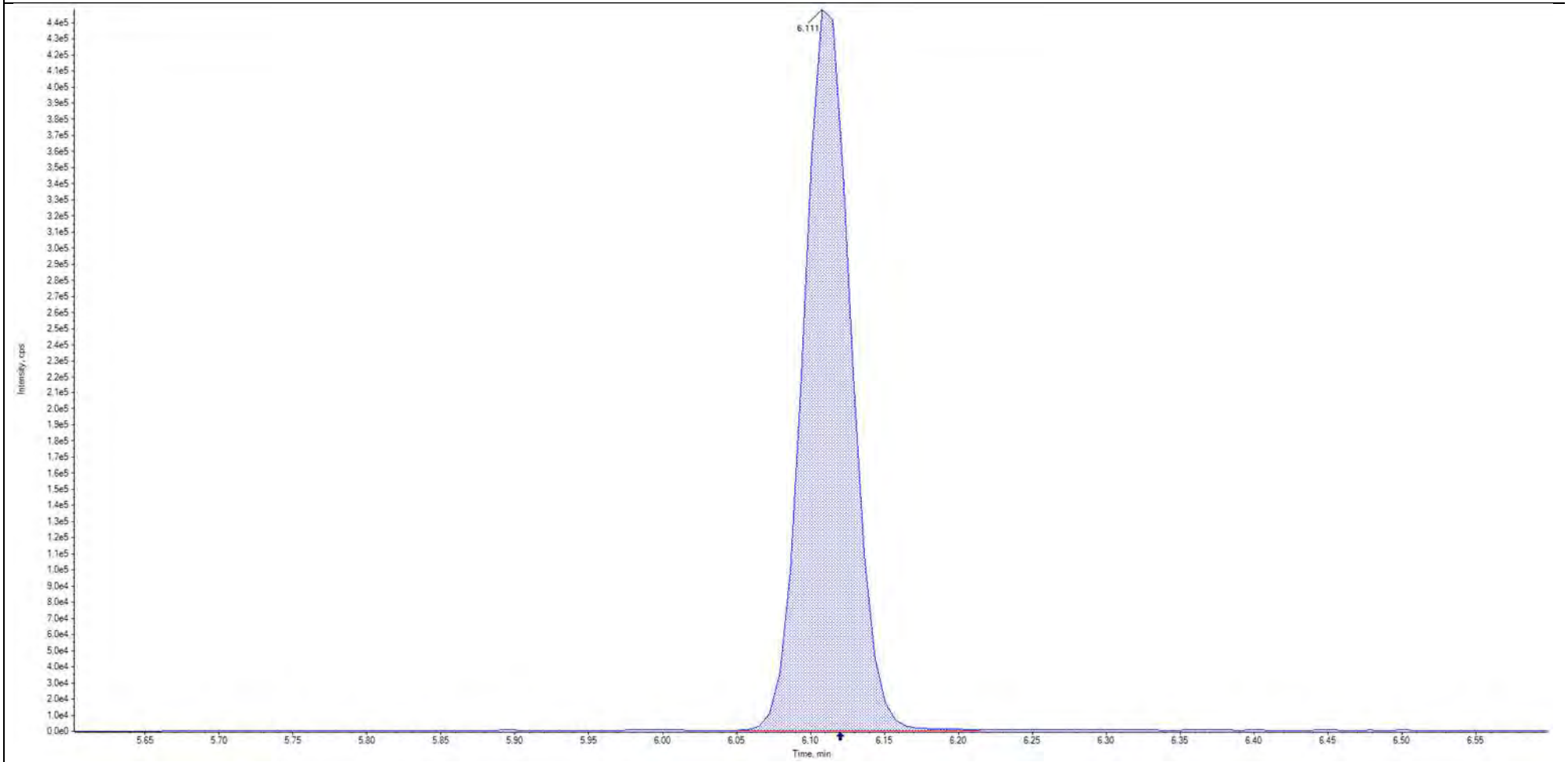
d5-NEtFOSAA
Sample: IA1633STD-.1



d7-NMeFOSE
Sample: IA1633STD-.1



d9-NEtFOSE
Sample: IA1633STD-.1



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
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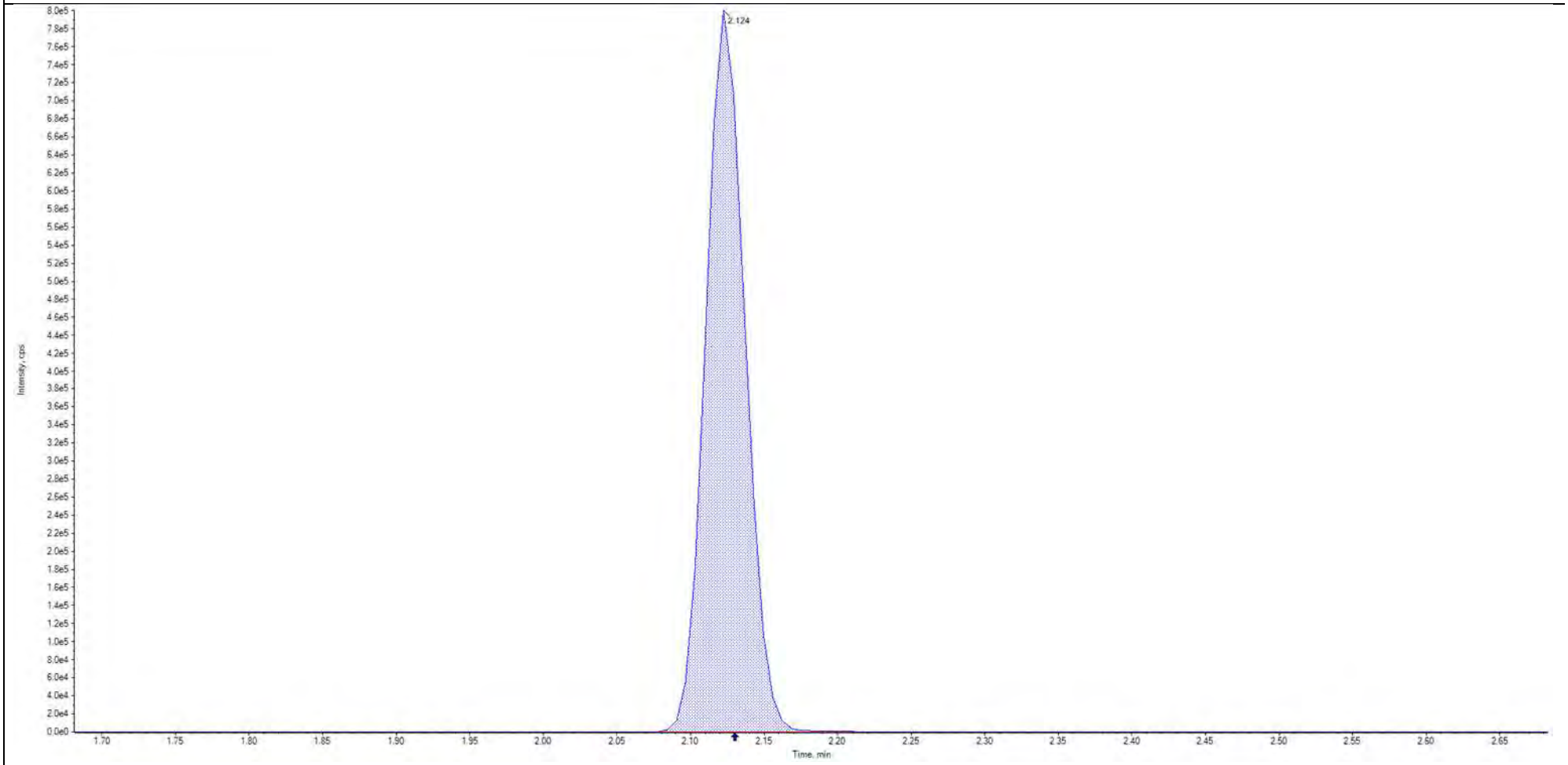
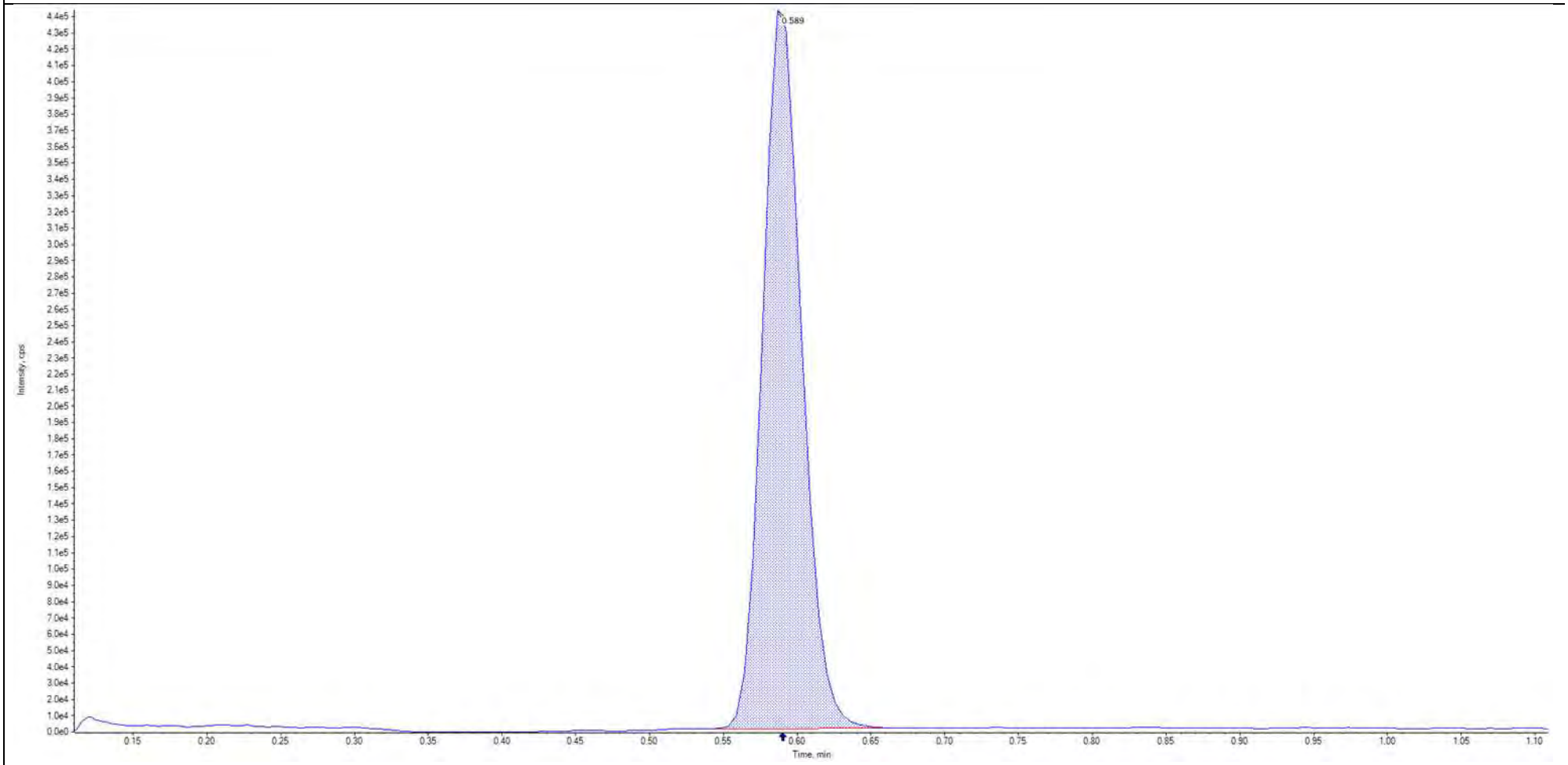
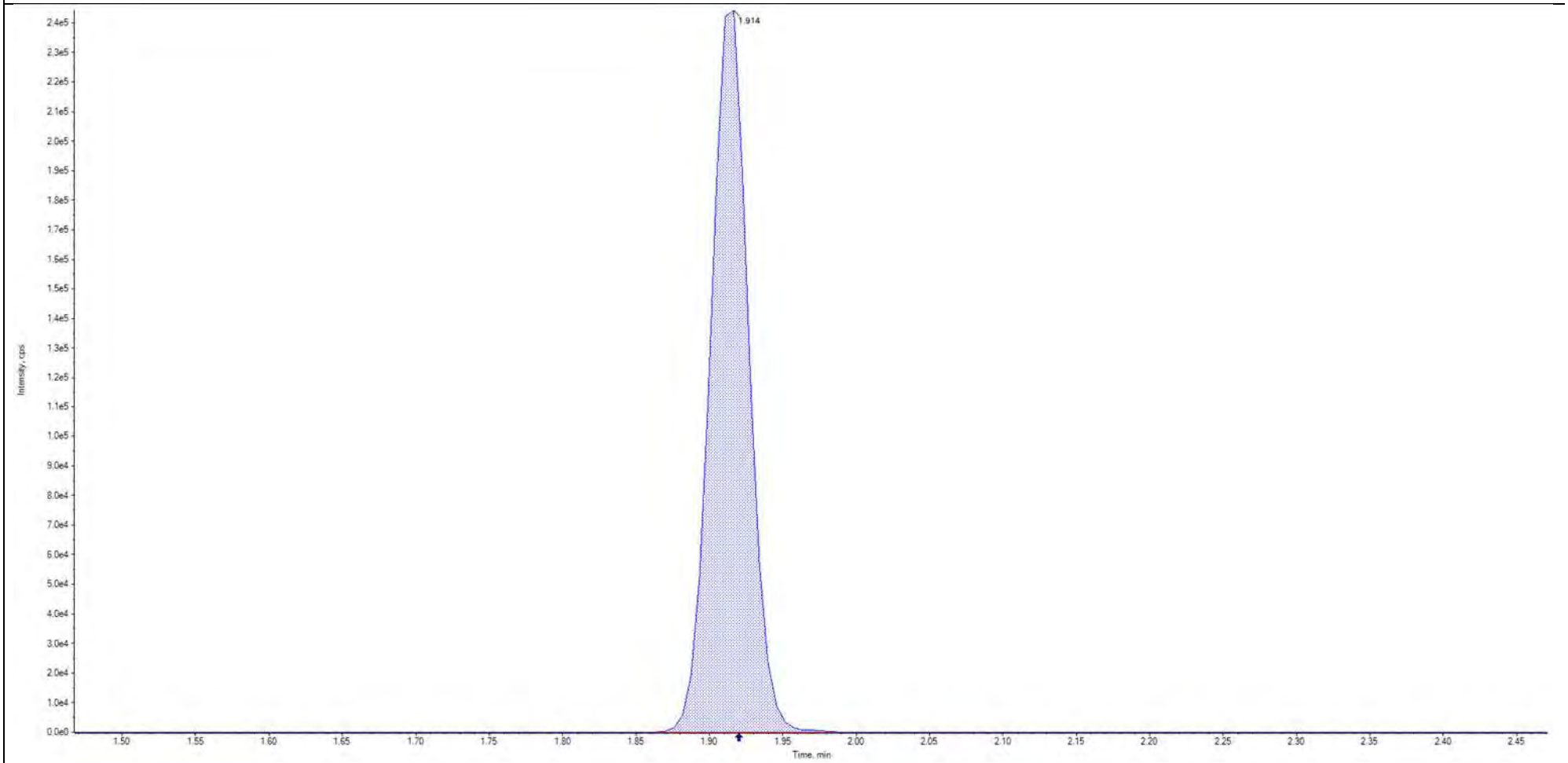
13C3-HFPO-DA
Sample: IA1633STD-.1



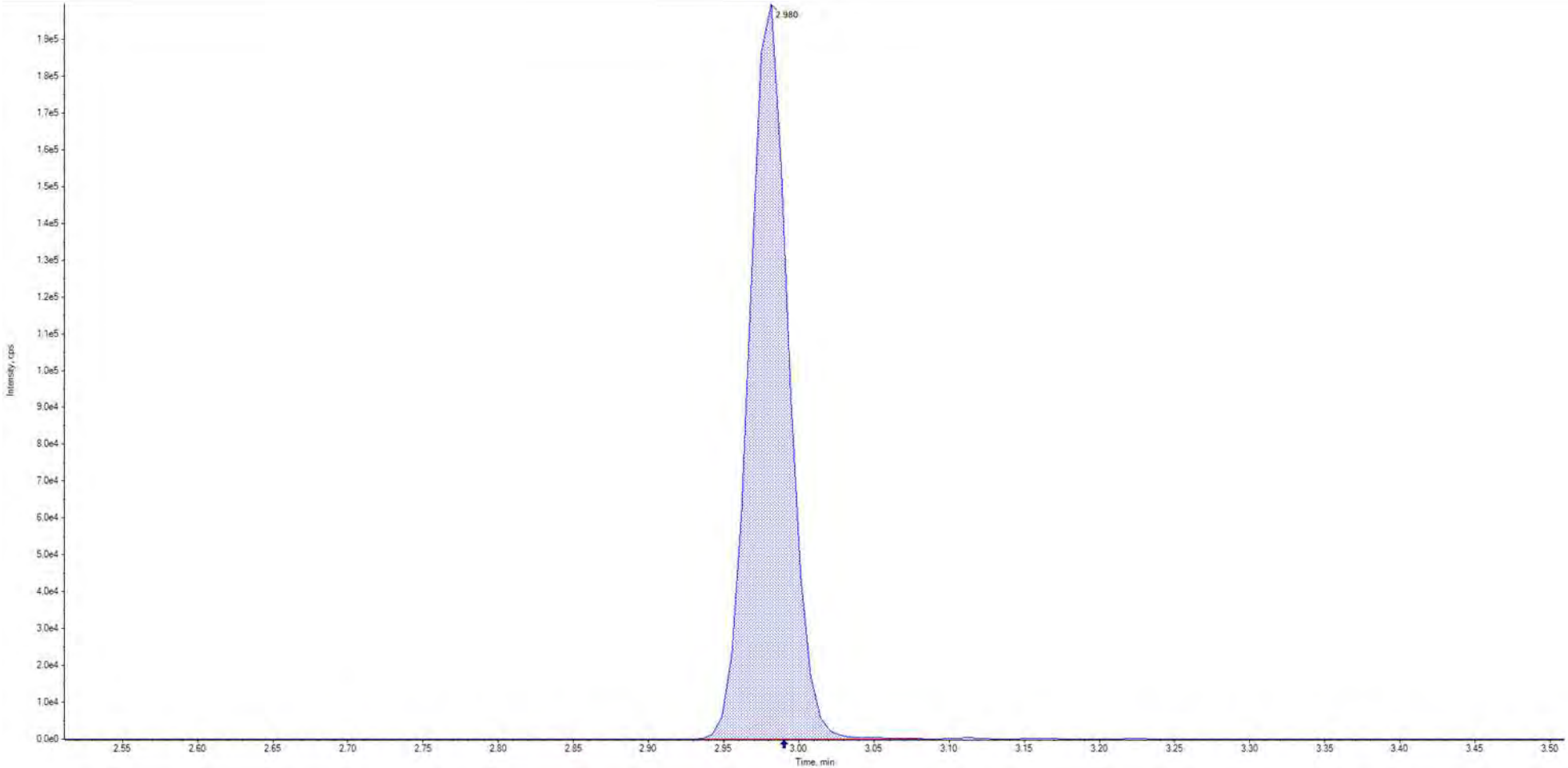
13C3-PFBA
Sample: IA1633STD-.1



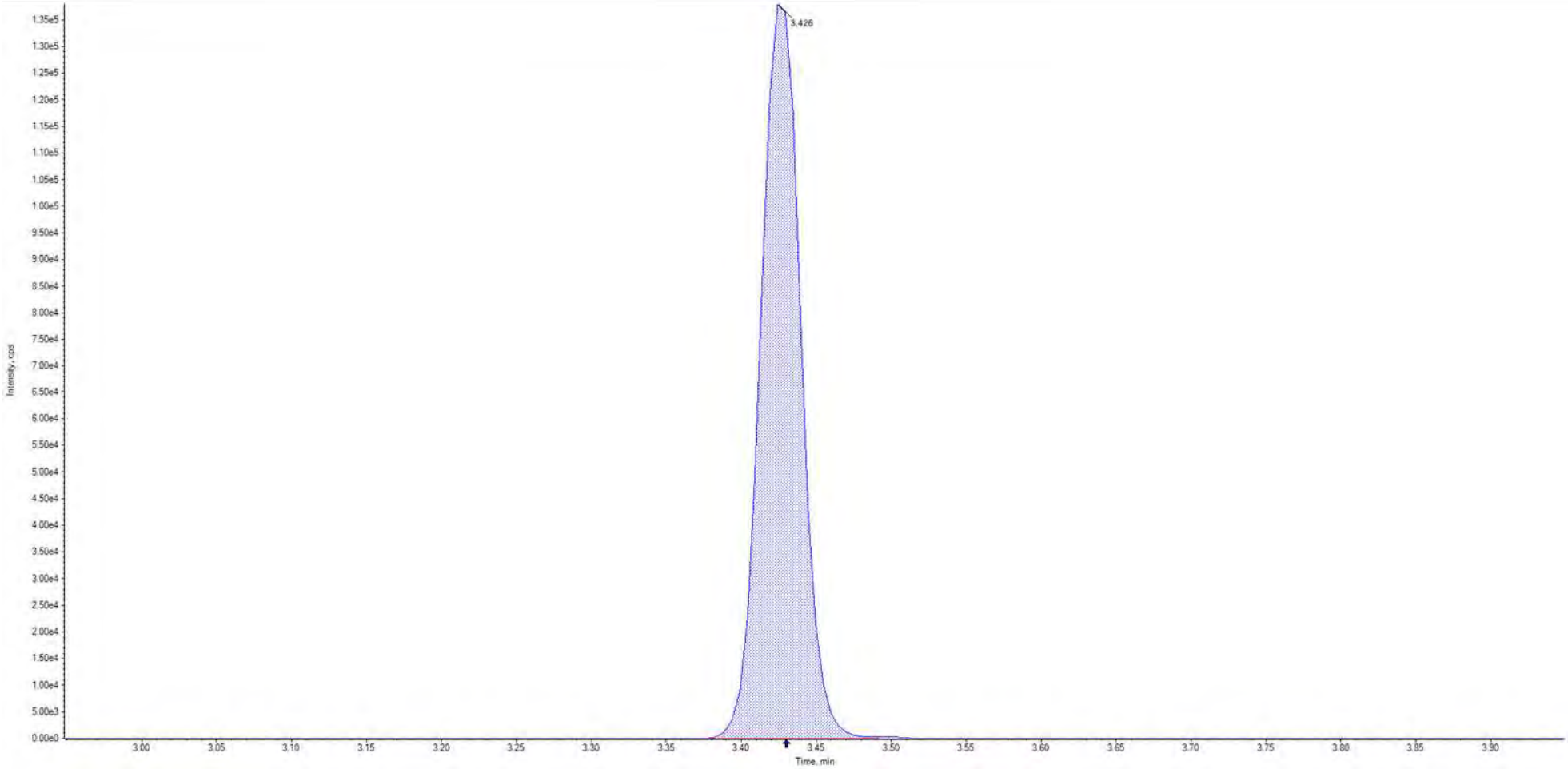
13C2-PFHxA
Sample: IA1633STD-.1



13C4-PFOA
Sample: IA1633STD-.1



13C5-PFNA
Sample: IA1633STD-.1



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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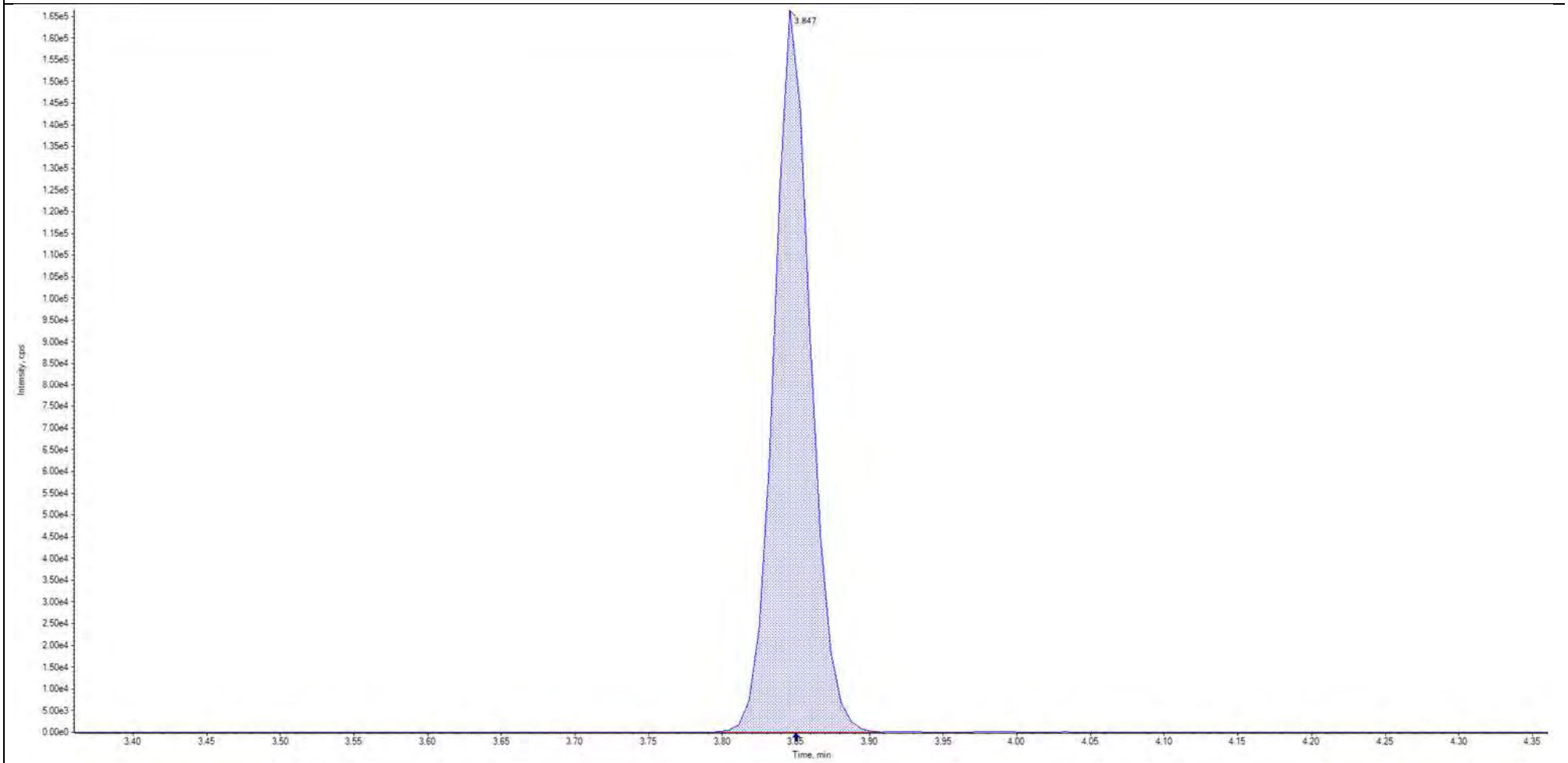
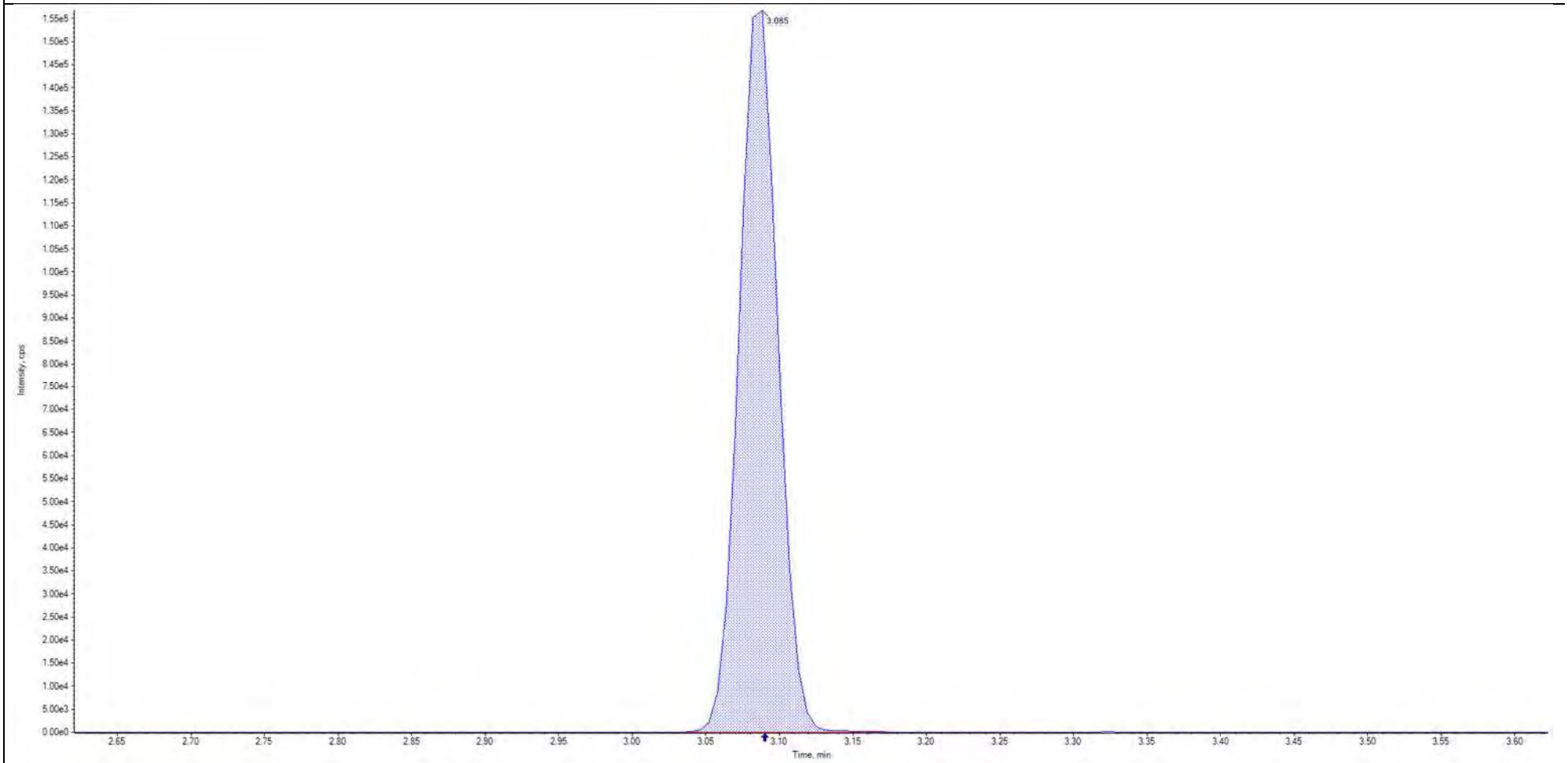
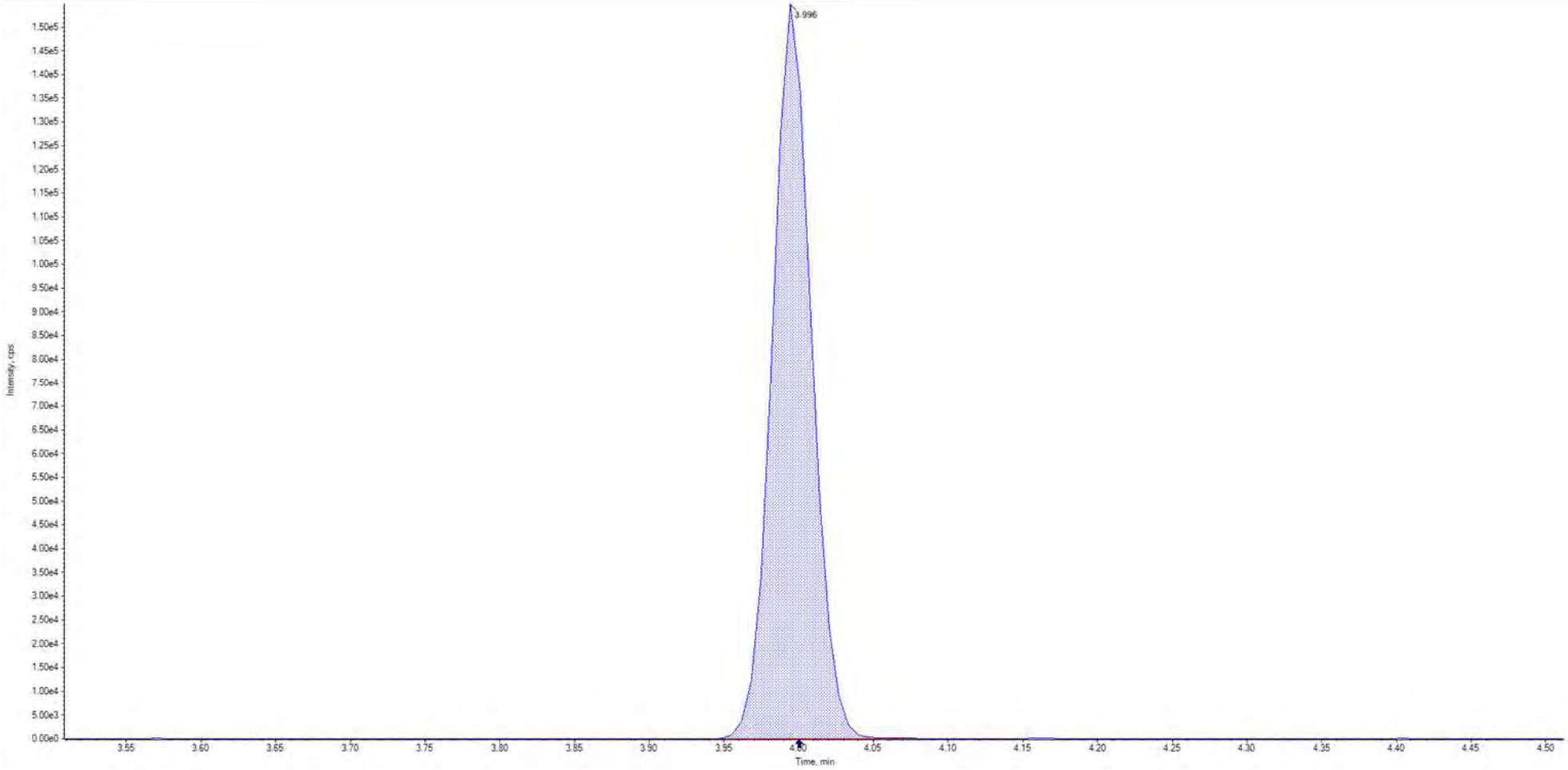
13C2-PFDA
Sample: IA1633STD-.1



18O2-PFHxS
Sample: IA1633STD-.1



13C4-PFOS
Sample: IA1633STD-.1



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2_1
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

Method: EPA1633F_250303.qmethod
Calibration: 250303_1633_ICAL

ID: IA1633STD-.2
Name: SCI09_250303_23.wiff2
Date & Time: 2025-03-03T14:50:49
Description: WG2035972,,EPA1633F_250303_CAL_L2
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | PFBA | 375-22-4 | 0.59 | 213.0 / 169.0 | 127068 | M4 | 0.730 | N/A | N/A | N/A | 91.3 |
| 2 | PFPeA | 2706-90-3 | 1.18 | 263.0 / 219.0 | 56781 | | 0.369 | 0.006 | N/A | N/A | 92.4 |
| 3 | PFPeA_2 | 2706-90-3 | 1.17 | 263.0 / 68.9 | 324 | M2 | 0.300 | 0.006 | N/A | N/A | 75.1 |
| 4 | PFHxA | 307-24-4 | 1.92 | 313.0 / 269.0 | 36018 | | 0.175 | 0.082 | 0.081 | Pass | 87.4 |
| 5 | PFHxA_2 | 307-24-4 | 1.92 | 313.0 / 119.0 | 2949 | | 0.168 | 0.082 | 0.081 | Pass | 84.1 |
| 6 | PFHpA | 375-85-9 | 2.49 | 363.1 / 319.0 | 34005 | | 0.185 | 0.422 | 0.373 | Pass | 92.3 |
| 7 | PFHpA_2 | 375-85-9 | 2.49 | 363.1 / 169.0 | 14334 | | 0.197 | 0.422 | 0.373 | Pass | 98.6 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | PFOA | 335-67-1 | 2.99 | 413.1 / 369.1 | 43232 | M5 | 0.200 | 0.410 | 0.424 | Pass | 100.1 |
| 9 | PFOA_2 | 335-67-1 | 2.99 | 413.1 / 169.0 | 17739 | M5 | 0.194 | 0.410 | 0.424 | Pass | 97.1 |
| 10 | PFNA | 375-95-1 | 3.43 | 462.8 / 418.9 | 27755 | M5 | 0.182 | 0.490 | 0.493 | Pass | 91.1 |
| 11 | PFNA_2 | 375-95-1 | 3.43 | 462.8 / 219.0 | 13595 | M5 | 0.183 | 0.490 | 0.493 | Pass | 91.7 |
| 12 | PFDA | 335-76-2 | 3.85 | 513.1 / 469.1 | 39411 | | 0.175 | 0.175 | 0.188 | Pass | 87.5 |
| 13 | PFDA_2 | 335-76-2 | 3.85 | 513.1 / 219.0 | 6894 | | 0.166 | 0.175 | 0.188 | Pass | 83.2 |
| 14 | PFUnA | 2058-94-8 | 4.26 | 563.1 / 519.1 | 43471 | | 0.184 | 0.139 | 0.146 | Pass | 92.1 |
| 15 | PFUnA_2 | 2058-94-8 | 4.26 | 563.1 / 269.0 | 6060 | | 0.179 | 0.139 | 0.146 | Pass | 89.3 |
| 16 | PFDoA | 307-55-1 | 4.65 | 613.1 / 569.1 | 44569 | | 0.183 | 0.137 | 0.142 | Pass | 91.3 |
| 17 | PFDoA_2 | 307-55-1 | 4.65 | 613.1 / 319.0 | 6114 | | 0.182 | 0.137 | 0.142 | Pass | 90.9 |
| 18 | PFTrDA | 72629-94-8 | 5.02 | 663.1 / 619.1 | 40928 | | 0.191 | 0.150 | 0.152 | Pass | 95.5 |
| 19 | PFTrDA_2 | 72629-94-8 | 5.03 | 663.1 / 169.0 | 6154 | | 0.187 | 0.150 | 0.152 | Pass | 93.5 |
| 20 | PFTeDA | 376-06-7 | 5.40 | 713.1 / 669.1 | 39104 | | 0.205 | 0.170 | 0.154 | Pass | 102.7 |
| 21 | PFTeDA_2 | 376-06-7 | 5.39 | 713.1 / 169.0 | 6655 | | 0.214 | 0.170 | 0.154 | Pass | 107.1 |
| 22 | PFBS | 375-73-5 | 1.92 | 299.1 / 80.1 | 28184 | | 0.165 | 0.401 | 0.374 | Pass | 92.7 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | PFBS_2 | 375-73-5 | 1.92 | 299.1 / 99.1 | 11309 | | 0.190 | 0.401 | 0.374 | Pass | 101.0 |
| 24 | PFPeS | 2706-91-4 | 2.56 | 349.1 / 80.1 | 28269 | | 0.181 | 0.315 | 0.314 | Pass | 96.2 |
| 25 | PFPeS_2 | 2706-91-4 | 2.56 | 349.1 / 99.1 | 8904 | | 0.181 | 0.315 | 0.314 | Pass | 96.4 |
| 26 | PFHxS | 355-46-4 | 3.09 | 399.1 / 80.1 | 26461 | M5 | 0.185 | 0.280 | 0.306 | Pass | 101.8 |
| 27 | PFHxS_2 | 355-46-4 | 3.09 | 399.1 / 99.1 | 7411 | M5 | 0.179 | 0.280 | 0.306 | Pass | 98.5 |
| 28 | PFHpS | 375-92-8 | 3.57 | 449.1 / 80.1 | 25660 | | 0.176 | 0.302 | 0.316 | Pass | 92.4 |
| 29 | PFHpS_2 | 375-92-8 | 3.56 | 449.1 / 99.1 | 7738 | | 0.173 | 0.302 | 0.316 | Pass | 91.0 |
| 30 | PFOS | 1763-23-1 | 4.00 | 499.1 / 80.1 | 31827 | M5 | 0.179 | 0.227 | 0.244 | Pass | 96.2 |
| 31 | PFOS_2 | 1763-23-1 | 4.00 | 499.1 / 99.1 | 7222 | M5 | 0.162 | 0.227 | 0.244 | Pass | 86.9 |
| 32 | PFNS | 68259-12-1 | 4.41 | 549.1 / 80.1 | 21727 | | 0.179 | 0.244 | 0.294 | Pass | 93.5 |
| 33 | PFNS_2 | 68259-12-1 | 4.41 | 549.1 / 99.1 | 5292 | | 0.153 | 0.244 | 0.294 | Pass | 79.6 |
| 34 | PFDS | 335-77-3 | 4.81 | 599.1 / 80.1 | 19910 | | 0.167 | 0.309 | 0.290 | Pass | 86.7 |
| 35 | PFDS_2 | 335-77-3 | 4.81 | 599.1 / 99.1 | 6158 | | 0.183 | 0.309 | 0.290 | Pass | 95.0 |
| 36 | PFDoS | 79780-39-5 | 5.55 | 699.2 / 80.1 | 19036 | | 0.176 | 0.275 | 0.256 | Pass | 90.5 |
| 37 | PFDoS_2 | 79780-39-5 | 5.55 | 699.2 / 99.1 | 5233 | | 0.187 | 0.275 | 0.256 | Pass | 96.6 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 38 | 4:2FTS | 757124-72-4 | 1.71 | 327.1 / 307.1 | 24433 | | 0.725 | 0.632 | 0.650 | Pass | 96.7 |
| 39 | 4:2FTS_2 | 757124-72-4 | 1.71 | 327.1 / 81.1 | 15443 | | 0.710 | 0.632 | 0.650 | Pass | 94.7 |
| 40 | 6:2FTS | 27619-97-2 | 2.80 | 427.2 / 407.2 | 23022 | | 0.783 | 0.674 | 0.620 | Pass | 102.8 |
| 41 | 6:2FTS_2 | 27619-97-2 | 2.80 | 427.2 / 81.1 | 15505 | | 0.822 | 0.674 | 0.620 | Pass | 108.1 |
| 42 | 8:2FTS | 39108-34-4 | 3.67 | 527.2 / 507.2 | 16762 | | 0.634 | 0.664 | 0.676 | Pass | 82.6 |
| 43 | 8:2FTS_2 | 39108-34-4 | 3.67 | 527.2 / 81.1 | 11122 | | 0.611 | 0.664 | 0.676 | Pass | 79.6 |
| 44 | PFOSA | 754-91-6 | 5.23 | 498.1 / 78.1 | 36171 | M5 | 0.187 | 0.025 | 0.026 | Pass | 93.5 |
| 45 | PFOSA_2 | 754-91-6 | 5.20 | 498.1 / 478.0 | 894 | M5 | 0.179 | 0.025 | 0.026 | Pass | 89.5 |
| 46 | NMeFOSA | 31506-32-8 | 5.97 | 512.2 / 219.0 | 8760 | M5 | 0.177 | 1.399 | 1.377 | Pass | 88.3 |
| 47 | NMeFOSA_2 | 31506-32-8 | 5.92 | 512.2 / 169.0 | 12252 | M5 | 0.178 | 1.399 | 1.377 | Pass | 88.8 |
| 48 | NEtFOSA | 4151-50-2 | 6.27 | 526.2 / 219.0 | 8995 | M5 | 0.186 | 1.175 | 1.292 | Pass | 93.0 |
| 49 | NEtFOSA_2 | 4151-50-2 | 6.21 | 526.2 / 169.0 | 10573 | M5 | 0.175 | 1.175 | 1.292 | Pass | 87.6 |
| 50 | NMeFOSAA | 2355-31-9 | 3.98 | 570.2 / 419.1 | 4800 | | 0.180 | 0.750 | 0.697 | Pass | 90.1 |
| 51 | NMeFOSAA_2 | 2355-31-9 | 3.98 | 570.2 / 483.0 | 3601 | M5 | 0.188 | 0.750 | 0.697 | Pass | 94.1 |
| 52 | NEtFOSAA | 2991-50-6 | 4.19 | 584.2 / 419.1 | 4868 | M5 | 0.191 | 0.377 | 0.557 | Pass | 95.5 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | NEtFOSAA_2 | 2991-50-6 | 4.19 | 584.2 / 526.2 | 1833 | | 0.130 | 0.377 | 0.557 | Pass | 65.3 |
| 54 | NMeFOSE | 24448-09-7 | 5.84 | 616.1 / 58.9 | 127504 | M5 | 1.806 | N/A | N/A | N/A | 90.3 |
| 55 | NEtFOSE | 1691-99-2 | 6.14 | 630.0 / 58.9 | 177295 | M5 | 1.776 | N/A | N/A | N/A | 88.8 |
| 56 | HFPO-DA | 13252-13-6 | 2.13 | 285.0 / 169.0 | 116681 | | 0.754 | 0.529 | 0.501 | Pass | 94.3 |
| 57 | HFPO-DA_2 | 13252-13-6 | 2.13 | 285.0 / 184.9 | 61666 | | 0.756 | 0.529 | 0.501 | Pass | 94.5 |
| 58 | ADONA | 919005-14-4 | 2.68 | 376.9 / 251.0 | 233906 | | 0.862 | 0.660 | 0.691 | Pass | 114.0 |
| 59 | ADONA_2 | 919005-14-4 | 2.68 | 376.9 / 84.8 | 154361 | | 0.859 | 0.660 | 0.691 | Pass | 113.6 |
| 60 | 9Cl-PF3ONS | 756426-58-1 | 4.29 | 530.8 / 351.1 | 226488 | | 0.747 | 0.338 | 0.332 | Pass | 100.2 |
| 61 | 9Cl-PF3ONS_2 | 756426-58-1 | 4.29 | 532.8 / 353.0 | 76486 | | 0.759 | 0.338 | 0.332 | Pass | 101.8 |
| 62 | 11Cl-PF3OUdS | 763051-92-9 | 5.07 | 630.9 / 451.0 | 189028 | | 0.738 | 0.331 | 0.322 | Pass | 97.8 |
| 63 | 11Cl-PF3OUdS_2 | 763051-92-9 | 5.07 | 632.9 / 452.9 | 62631 | | 0.761 | 0.331 | 0.322 | Pass | 101.0 |
| 64 | 3:3FTCA | 356-02-5 | 1.56 | 241.1 / 177.1 | 8501 | | 0.716 | 1.556 | 1.010 | Fail | 71.6 |
| 65 | 3:3FTCA_2 | 356-02-5 | 1.57 | 241.1 / 117.0 | 13226 | | 1.026 | 1.556 | 1.010 | Fail | 102.6 |
| 66 | 5:3FTCA | 914637-49-3 | 3.03 | 341.1 / 237.1 | 229481 | | 4.451 | 1.008 | 1.017 | Pass | 89.0 |
| 67 | 5:3FTCA_2 | 914637-49-3 | 3.03 | 341.1 / 217.0 | 231246 | | 4.452 | 1.008 | 1.017 | Pass | 89.0 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 7:3FTCA | 812-70-4 | 4.06 | 441.1 / 316.9 | 175038 | | 4.235 | 1.446 | 1.343 | Pass | 84.7 |
| 69 | 7:3FTCA_2 | 812-70-4 | 4.06 | 441.1 / 337.1 | 253028 | | 4.631 | 1.446 | 1.343 | Pass | 92.6 |
| 70 | PFEESA | 113507-82-7 | 2.22 | 315.1 / 135.0 | 156562 | | 0.292 | 0.075 | 0.081 | Pass | 81.9 |
| 71 | PFEESA_2 | 113507-82-7 | 2.22 | 315.1 / 82.9 | 11694 | | 0.265 | 0.075 | 0.081 | Pass | 74.3 |
| 72 | PFMPA | 377-73-1 | 0.75 | 229.0 / 85.0 | 59828 | | 0.329 | N/A | N/A | N/A | 82.2 |
| 73 | PFMBA | 863090-89-5 | 1.44 | 279.0 / 85.0 | 61803 | | 0.351 | N/A | N/A | N/A | 87.8 |
| 74 | NFDHA | 151772-58-6 | 1.84 | 295.0 / 201.0 | 47725 | | 0.340 | 0.703 | 0.681 | Pass | 85.1 |
| 75 | NFDHA_2 | 151772-58-6 | 1.84 | 295.0 / 84.9 | 33550 | | 0.338 | 0.703 | 0.681 | Pass | 84.5 |
| 76 | TDCA | 516-50-7 | N/A | 499.1 / 124.1 | N/A | | N/A | N/A | 5.680 | N/A | N/A |
| 77 | TDCA_2 | 516-50-7 | N/A | 499.1 / 79.9 | N/A | | N/A | N/A | 5.680 | N/A | N/A |
| 78 | 13C2D4-4:2FTS | Surr | 1.70 | 333.2 / 312.1 | 140273 | | 5.357 | N/A | N/A | N/A | 107.1 |
| 79 | 13C2-PFOA | Surr | 2.98 | 415.0 / 370.0 | 328744 | | 2.678 | N/A | N/A | N/A | 107.1 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C4-PFBA | EIS | 0.59 | 217.0 / 172.0 | 1947174 | | 11.062 | 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 | 1.18 | 268.0 / 223.0 | 800811 | | 5.604 | NA | NA | NA | 112.1 |
| | 13C5-PFHxA | EIS | 1.91 | 318.0 / 273.0 | 402484 | | 2.996 | NA | NA | NA | 119.8 |
| | 13C4-PFHpA | EIS | 2.49 | 367.0 / 322.0 | 317089 | | 2.446 | NA | NA | NA | 97.9 |
| | 13C8-PFOA | EIS | 2.98 | 420.8 / 376.0 | 631571 | | 2.862 | NA | NA | NA | 114.5 |
| | 13C9-PFNA | EIS | 3.43 | 472.0 / 427.0 | 282319 | | 1.408 | NA | NA | NA | 112.7 |
| | 13C6-PFDA | EIS | 3.85 | 519.0 / 474.0 | 318284 | | 1.475 | NA | NA | NA | 118.0 |
| | 13C7-PFUnA | EIS | 4.25 | 570.0 / 525.0 | 348435 | | 1.463 | NA | NA | NA | 117.1 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C2-PFDoA | EIS | 4.64 | 615.1 / 570.0 | 322716 | | 1.347 | NA | NA | NA | 107.8 |
| | 13C2-PFTeDA | EIS | 5.39 | 715.1 / 670.1 | 209325 | | 1.348 | NA | NA | NA | 107.8 |
| | 13C3-PFBS | EIS | 1.91 | 302.1 / 80.1 | 374570 | | 2.522 | NA | NA | NA | 108.2 |
| | 13C3-PFHxS | EIS | 3.09 | 402.1 / 80.1 | 326840 | | 2.476 | NA | NA | NA | 104.5 |
| | 13C8-PFOS | EIS | 4.00 | 507.1 / 80.1 | 373057 | | 2.582 | NA | NA | NA | 107.6 |
| | 13C2-4:2FTS | EIS | 1.71 | 329.1 / 81.1 | 102658 | | 4.687 | NA | NA | NA | 99.9 |
| | 13C2-6:2FTS | EIS | 2.80 | 429.2 / 81.1 | 87052 | | 4.617 | NA | NA | NA | 97.0 |
| | 13C2-8:2FTS | EIS | 3.67 | 529.2 / 81.1 | 95336 | | 4.994 | NA | NA | NA | 104.0 |

| Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| 13C8-PFOSA | EIS | 5.23 | 506.1 / 78.1 | 603787 | | 2.632 | NA | NA | NA | 105.3 |
| d3-NMeFOSA | EIS | 5.96 | 515.2 / 219.0 | 110685 | | 2.672 | NA | NA | NA | 106.9 |
| d5-NEtFOSA | EIS | 6.25 | 531.2 / 219.0 | 99227 | | 2.635 | NA | NA | NA | 105.4 |
| d3-NMeFOSAA | EIS | 3.97 | 573.2 / 419.1 | 146487 | | 5.169 | NA | NA | NA | 103.4 |
| d5-NEtFOSAA | EIS | 4.18 | 589.3 / 419.1 | 117547 | | 5.191 | NA | NA | NA | 103.8 |
| d7-NMeFOSE | EIS | 5.82 | 623.2 / 58.9 | 779193 | | 26.155 | NA | NA | NA | 104.6 |
| d9-NEtFOSE | EIS | 6.11 | 639.2 / 58.9 | 1056953 | | 26.448 | NA | NA | NA | 105.8 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C3-HFPO-DA | EIS | 2.12 | 287.0 / 169.0 | 1526747 | | 10.743 | NA | NA | NA | 107.4 |
| | 13C3-PFBA | NIS | 0.59 | 216.0 / 172.0 | 778874 | | 5.374 | NA | NA | NA | 107.5 |
| | 13C2-PFHxA | NIS | 1.91 | 315.0 / 270.0 | 395634 | | 2.441 | NA | NA | NA | 97.6 |
| | 13C4-PFOA | NIS | 2.98 | 417.0 / 372.0 | 335378 | | 2.333 | NA | NA | NA | 93.3 |
| | 13C5-PFNA | NIS | 3.43 | 468.0 / 423.0 | 251093 | | 1.218 | NA | NA | NA | 97.5 |
| | 13C2-PFDA | NIS | 3.85 | 515.1 / 470.1 | 251837 | | 1.184 | NA | NA | NA | 94.7 |
| | 18O2-PFHxS | NIS | 3.09 | 403.1 / 84.1 | 277579 | | 2.358 | NA | NA | NA | 99.5 |
| | 13C4-PFOS | NIS | 3.99 | 503.1 / 80.1 | 290646 | | 2.418 | NA | NA | NA | 100.7 |

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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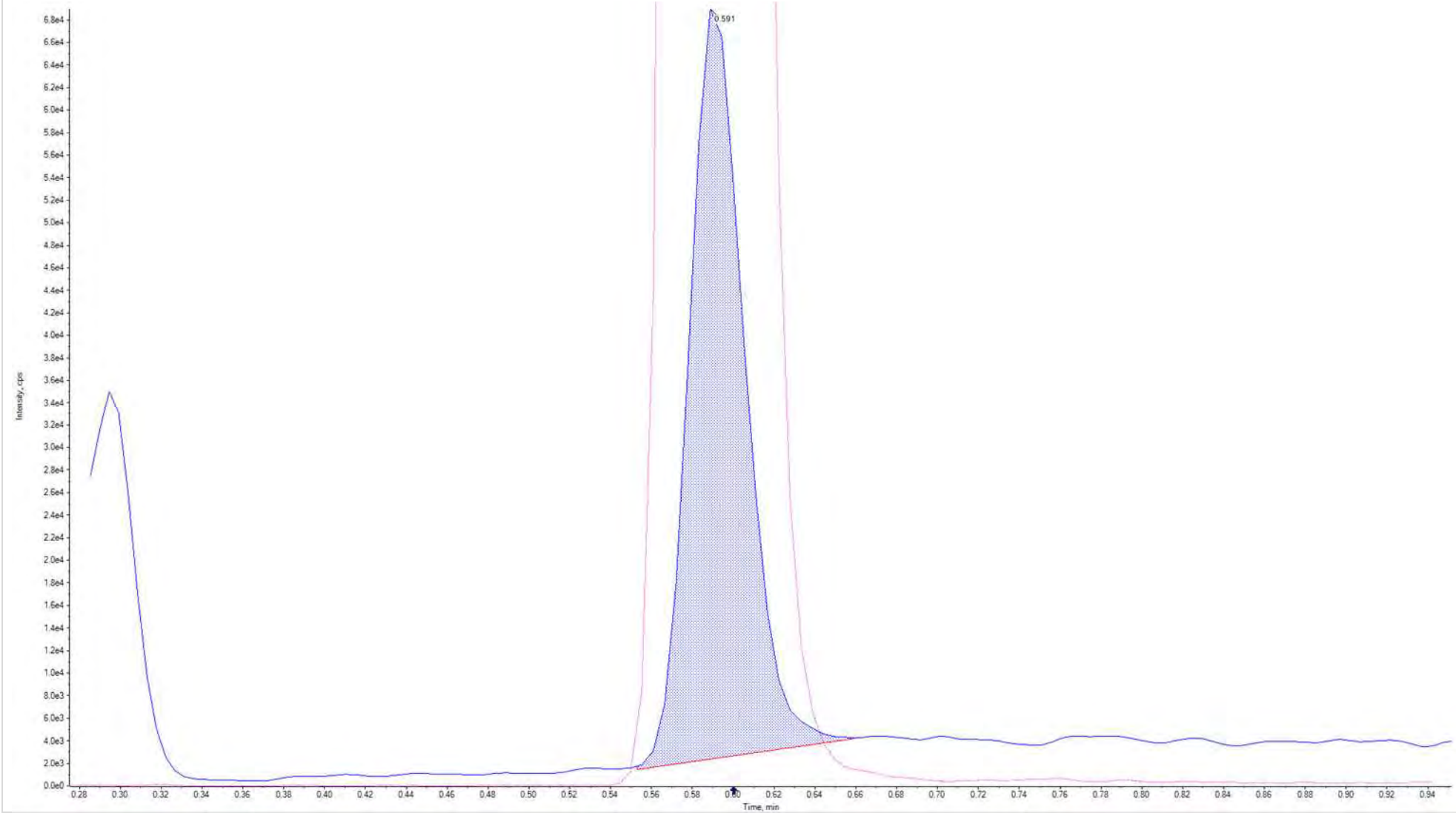
Generated: 3/3/2025 3:16:24 PM

| | 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\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFBA
Sample: IA1633STD-.2 S/N:338.9 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 6:51:07 AM
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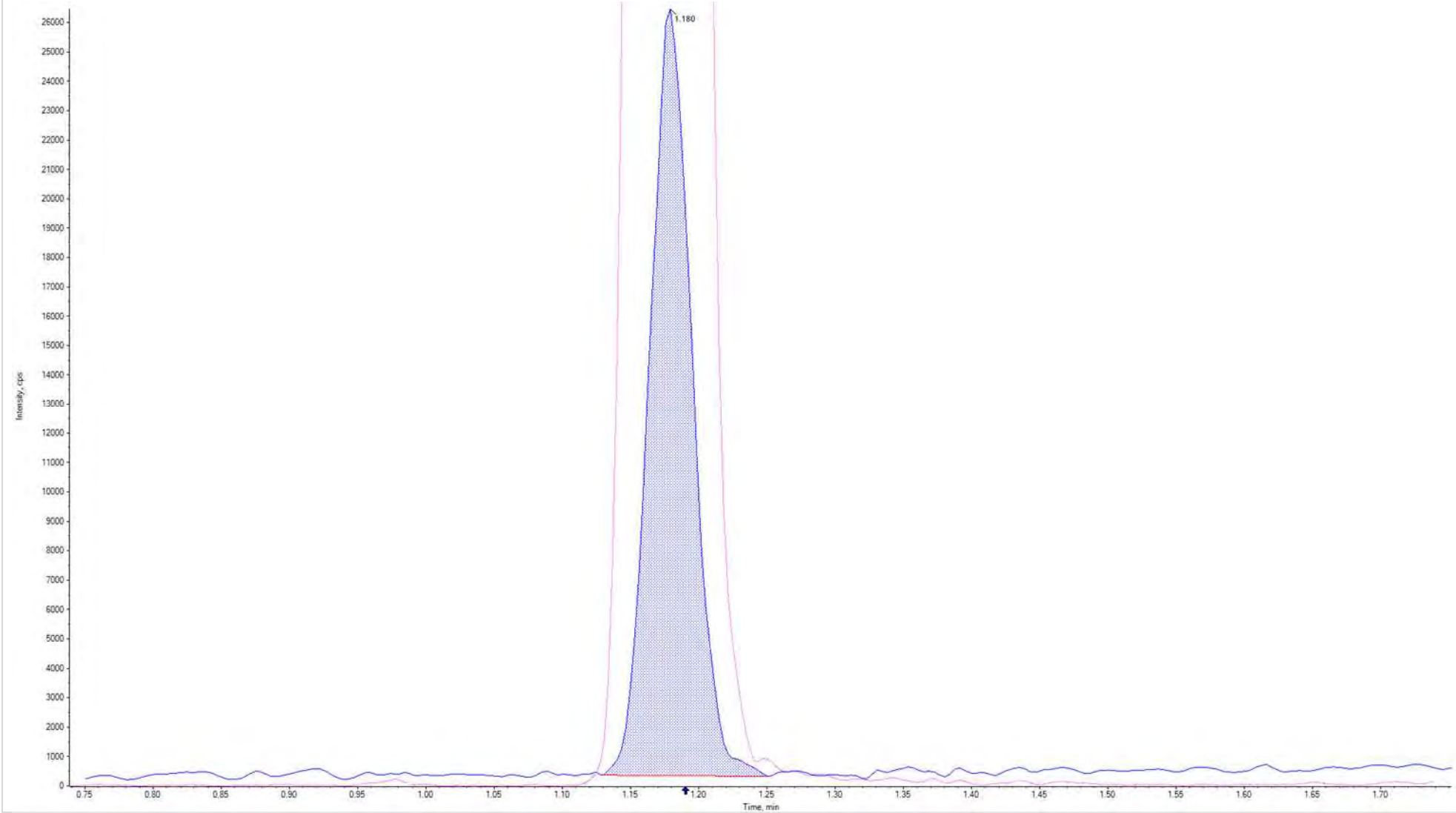
PFPeA
Sample: IA1633STD-.2 S/N:647.1 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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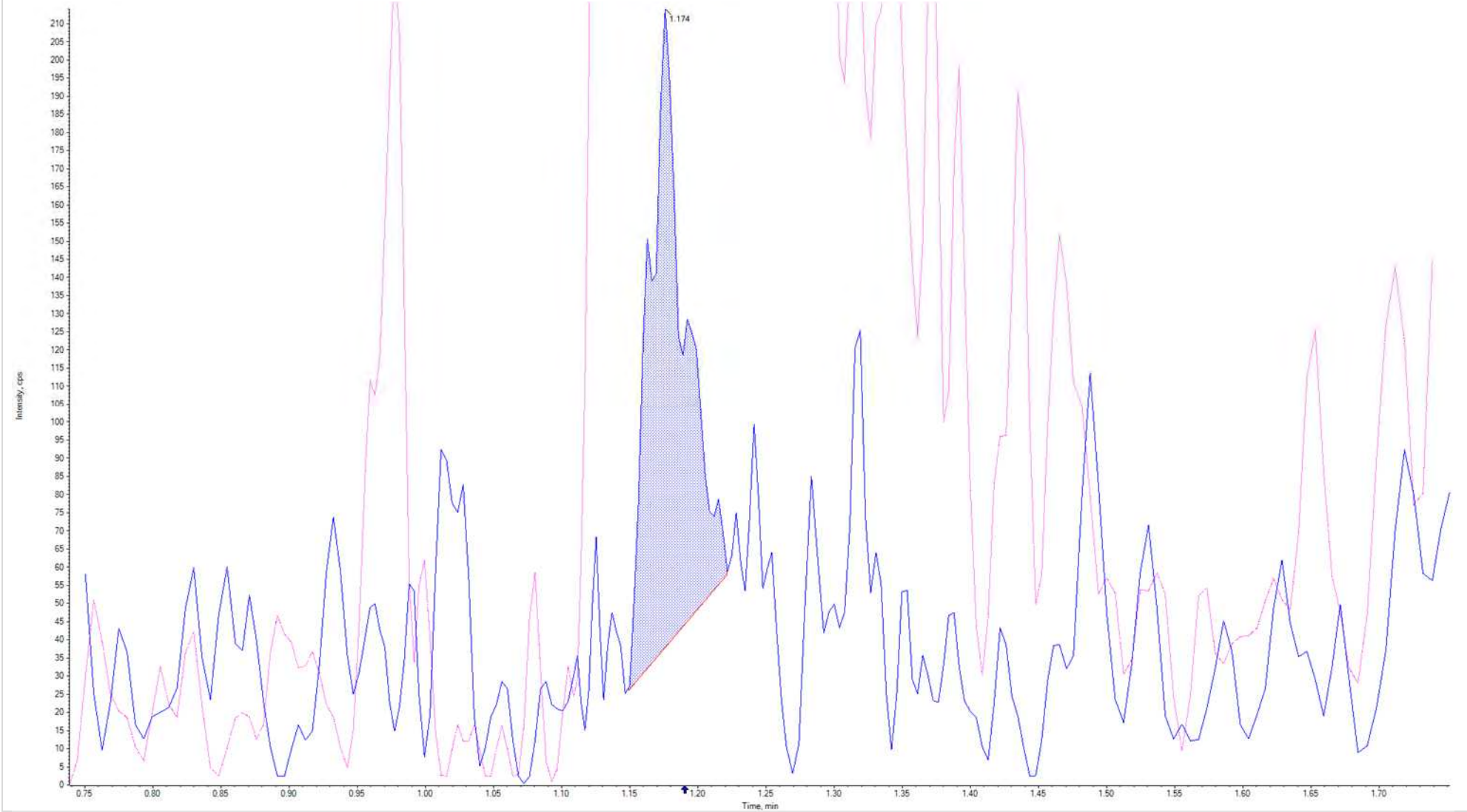
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFPeA_2
Sample: IA1633STD-.2 S/N:10.6 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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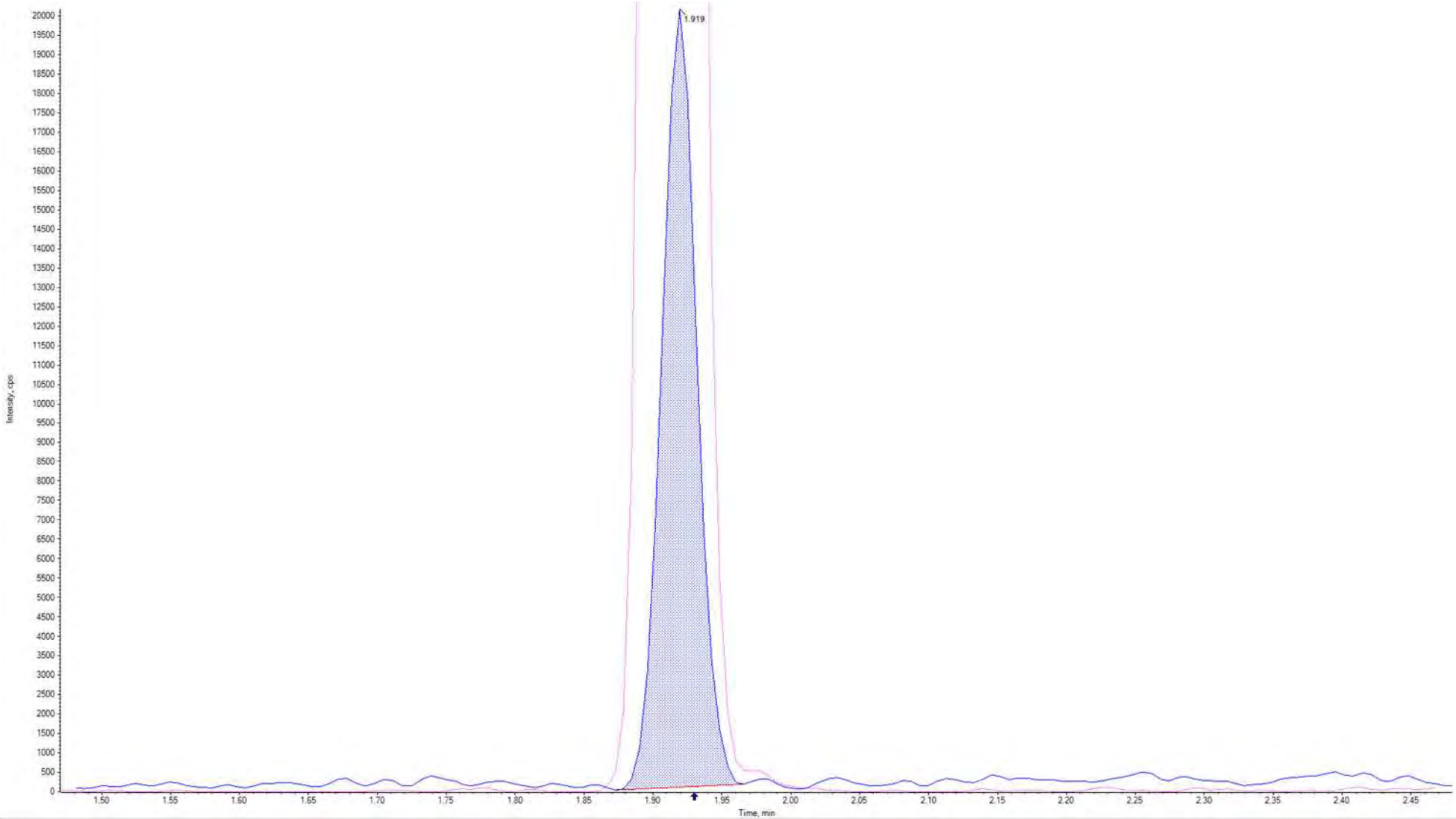
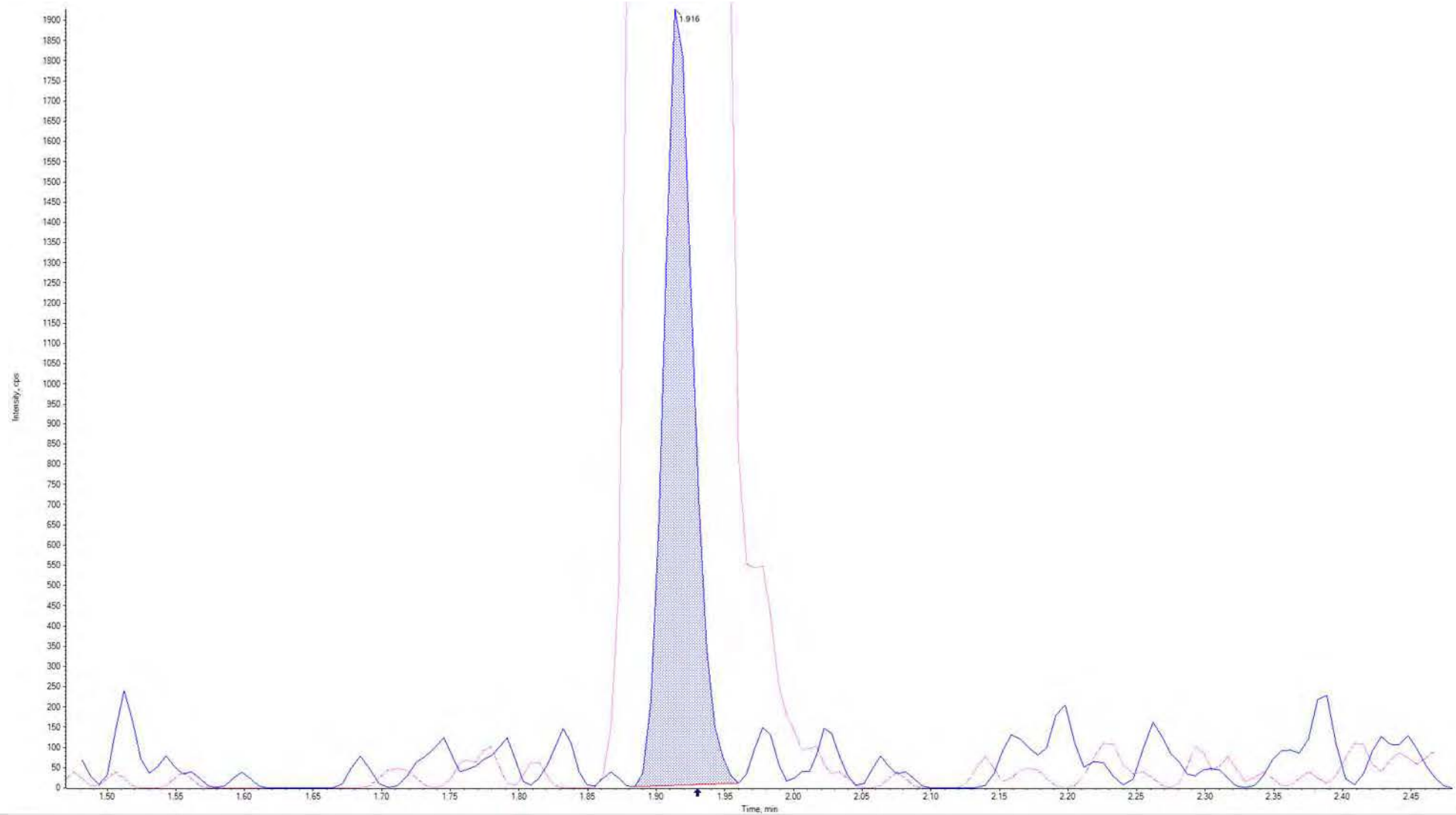
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHxA
Sample: IA1633STD-.2 S/N:502.7 Points Across peak:17



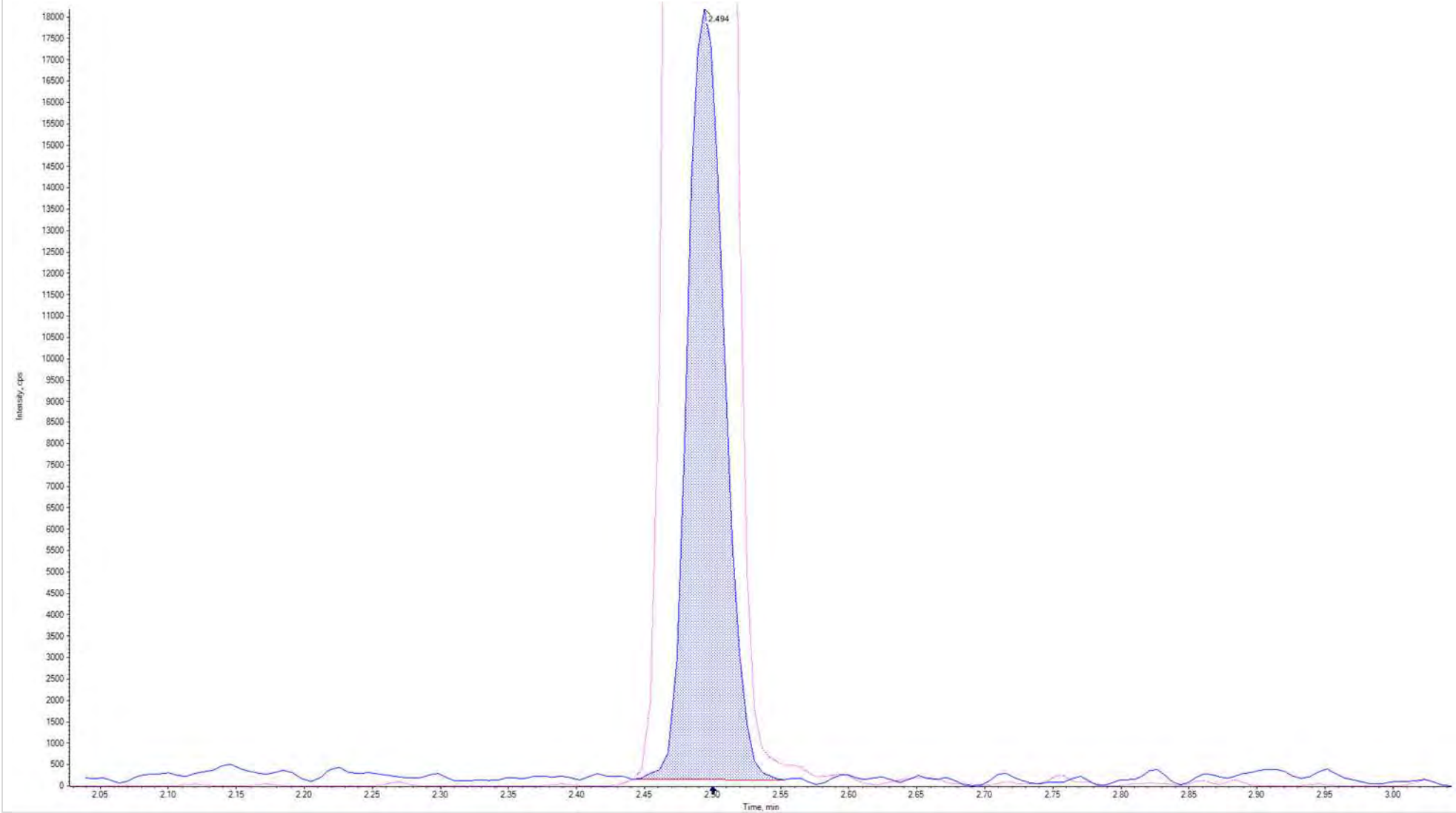
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHxA_2
Sample: IA1633STD-.2 S/N:48.2 Points Across peak:14



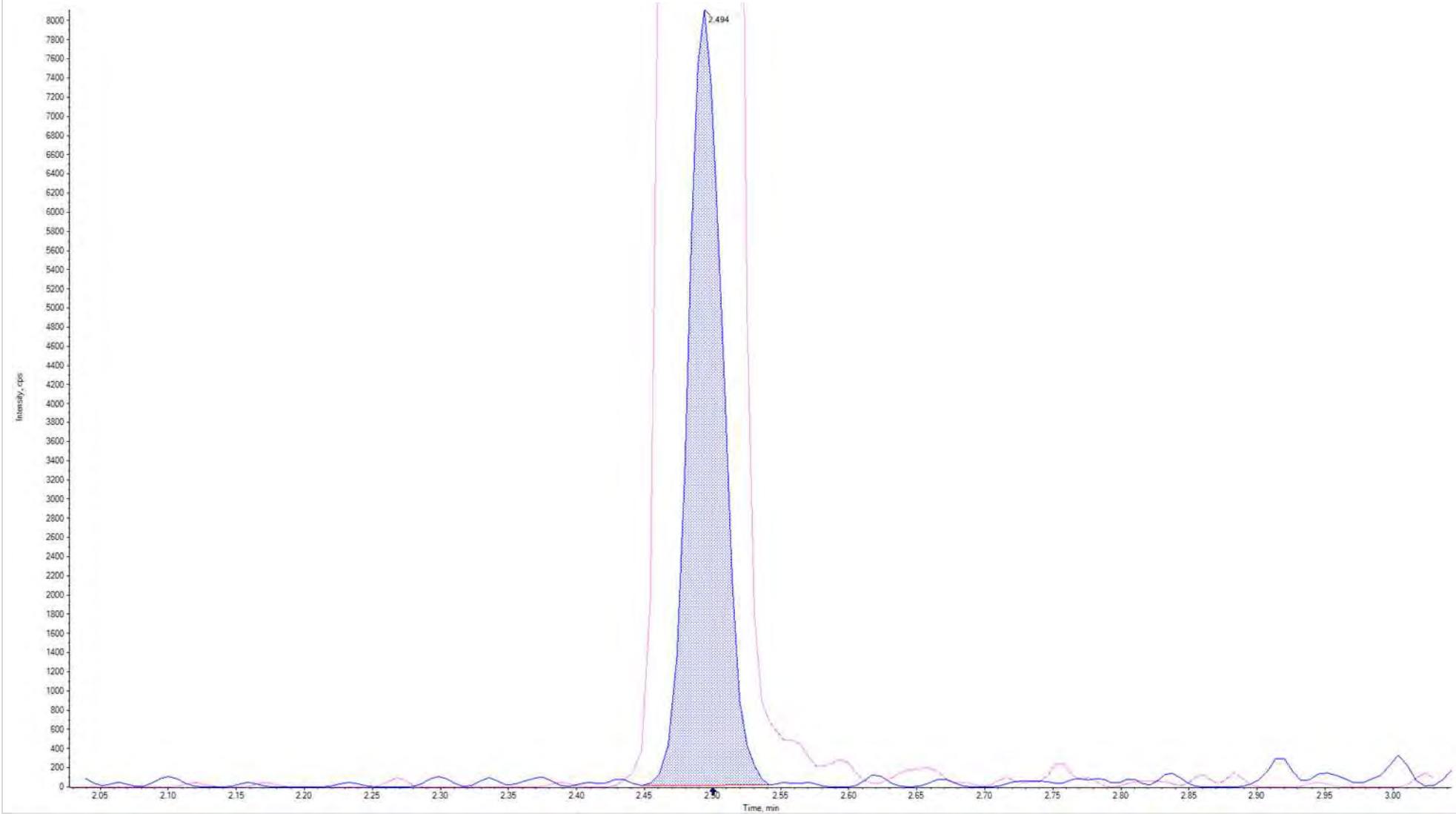
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHpA
Sample: IA1633STD-.2 S/N:361.7 Points Across peak:21



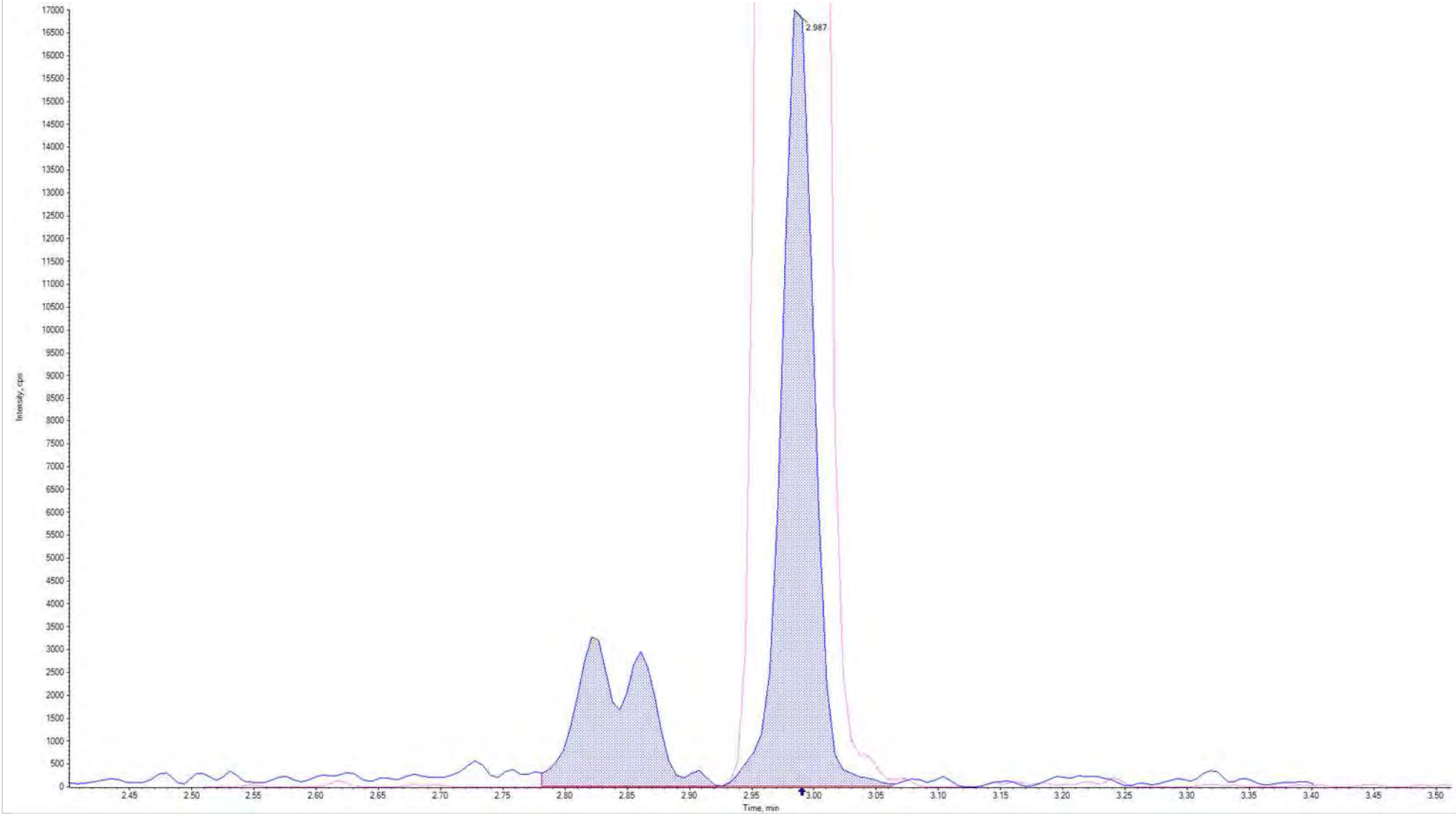
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHpA_2
Sample: IA1633STD-.2 S/N:162.3 Points Across peak:18



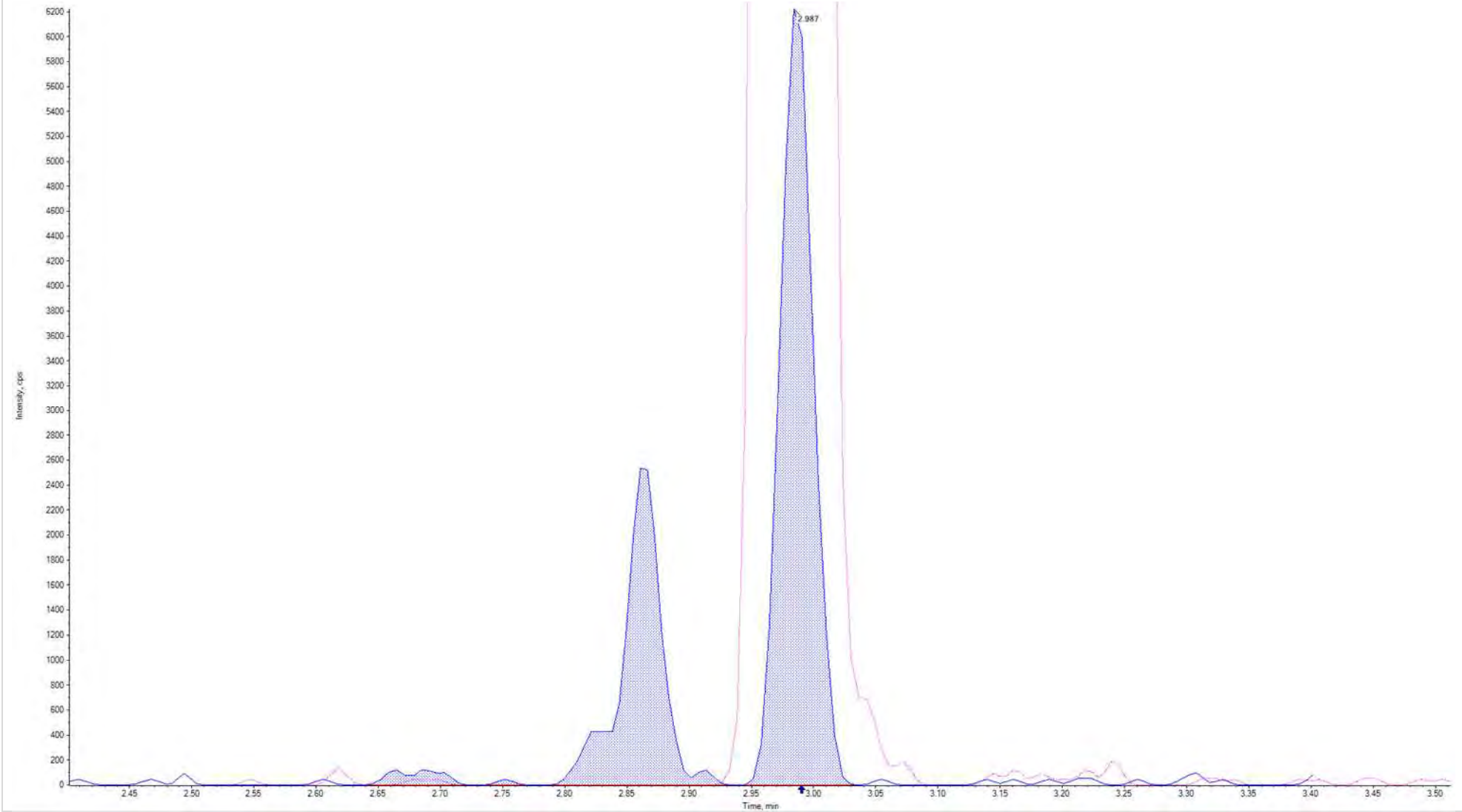
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOA
Sample: IA1633STD-.2 S/N:181.6 Points Across peak:49



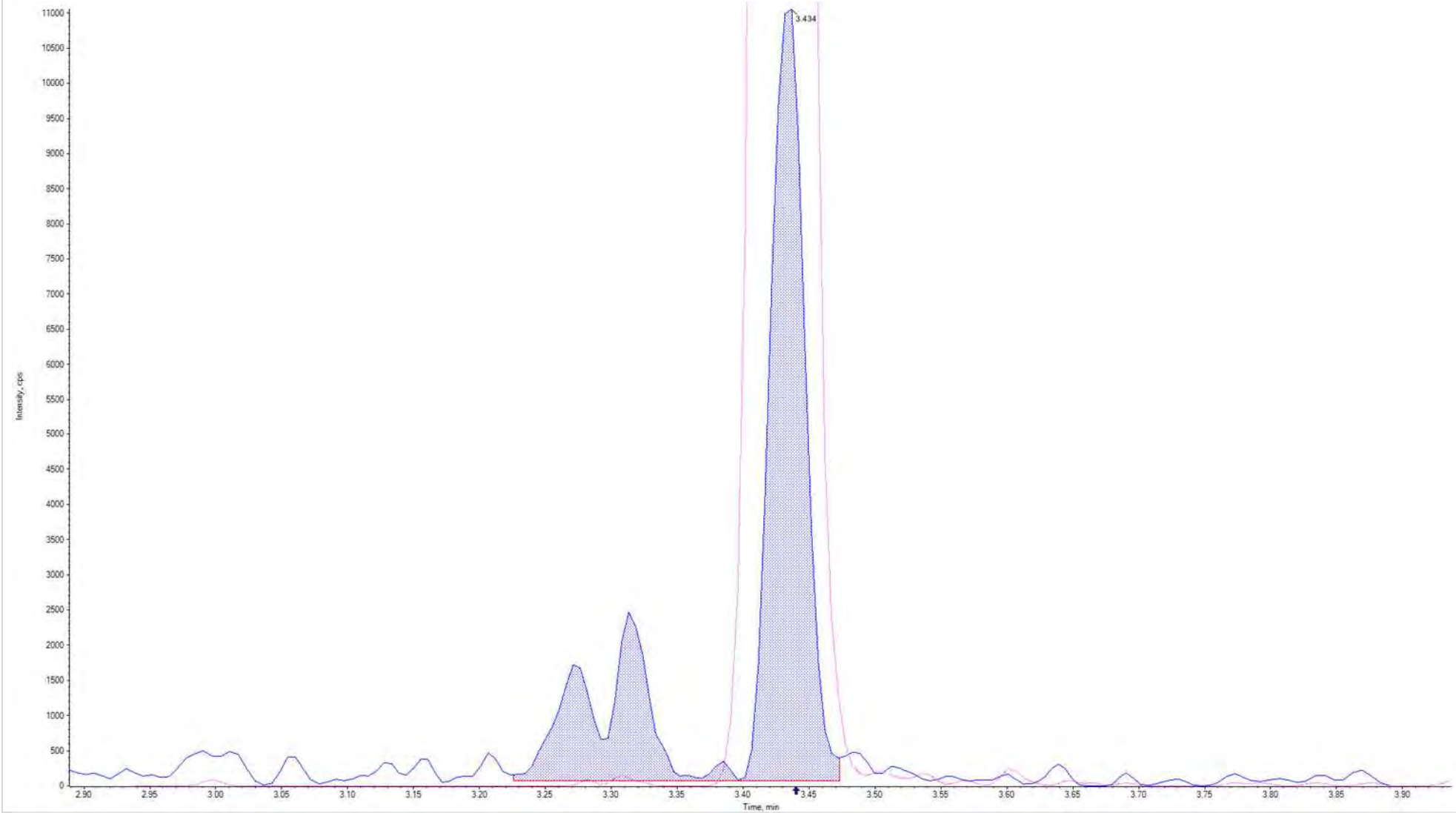
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOA_2
Sample: IA1633STD-.2 S/N:140.3 Points Across peak:66



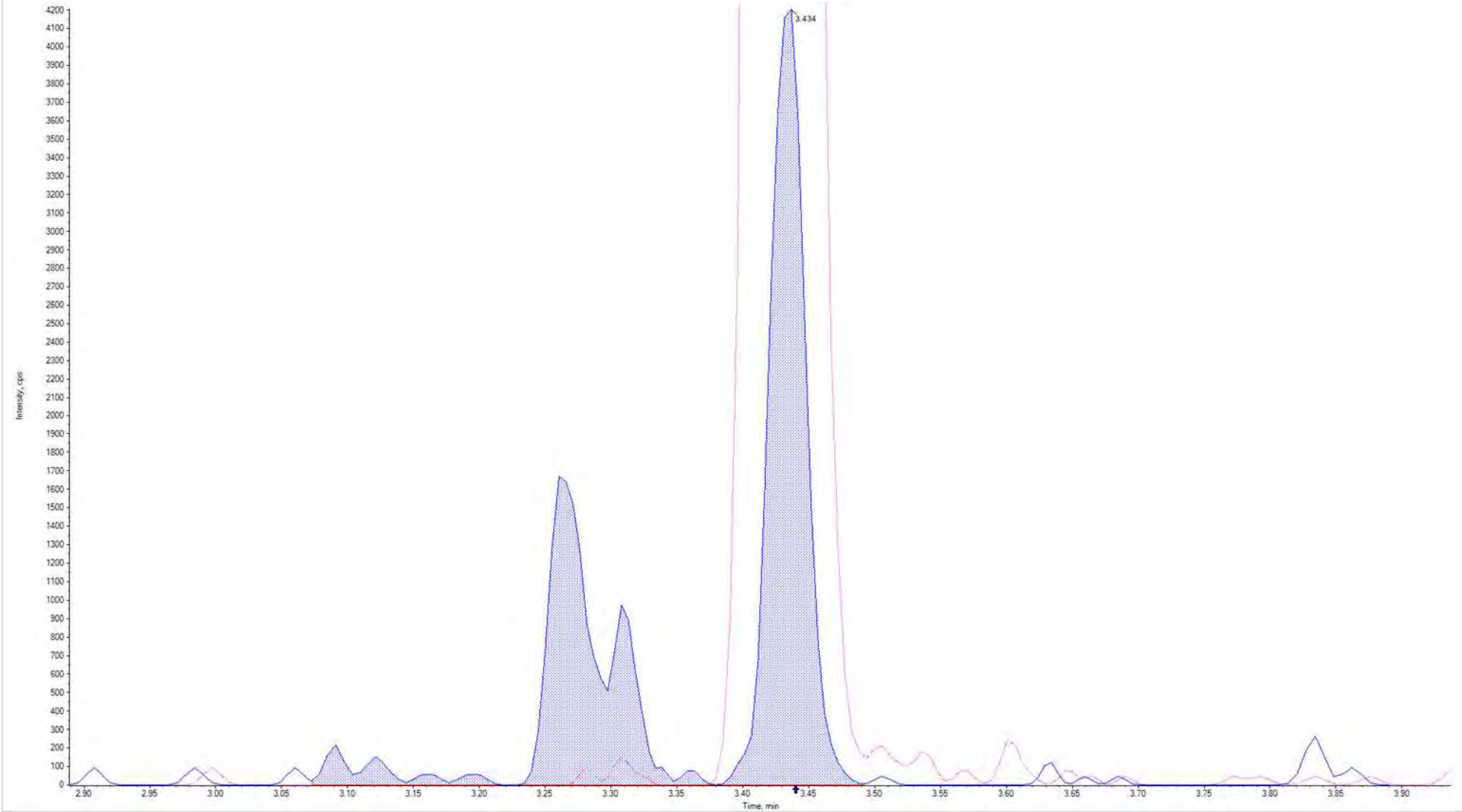
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFNA
Sample: IA1633STD-.2 S/N:110.6 Points Across peak:50



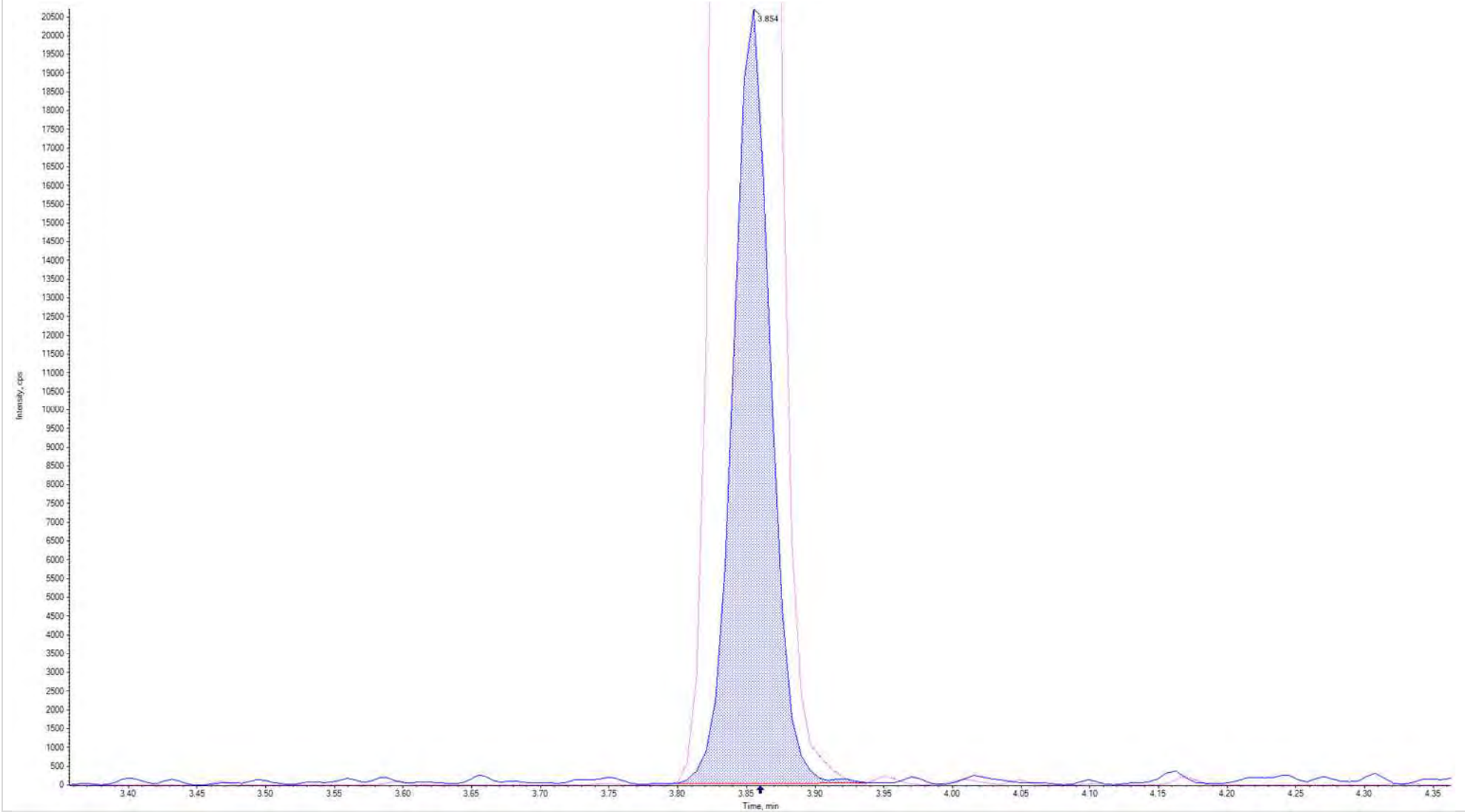
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFNA_2
Sample: IA1633STD-.2 S/N:94.9 Points Across peak:79



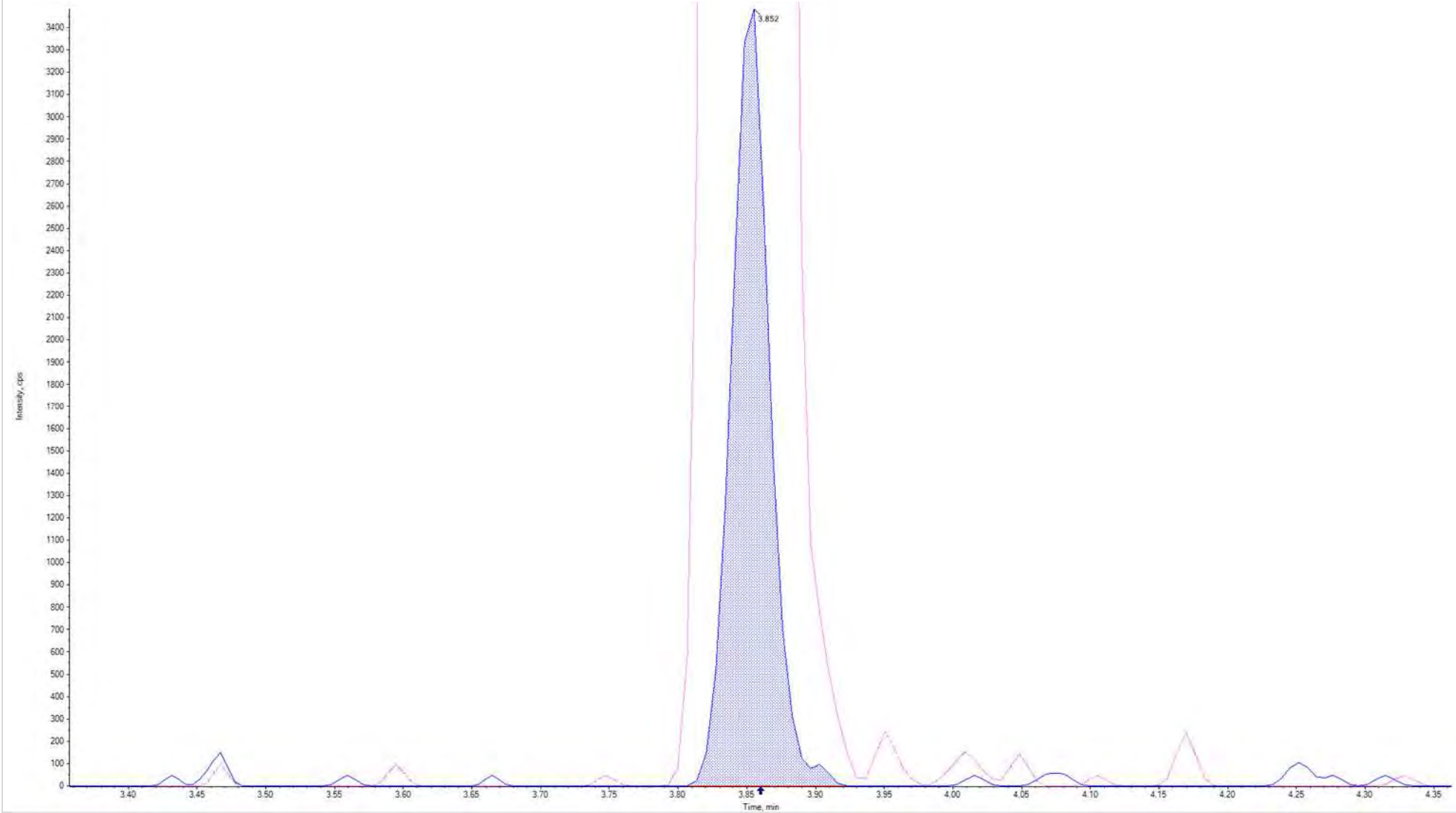
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDA
Sample: IA1633STD-.2 S/N:414.4 Points Across peak:25



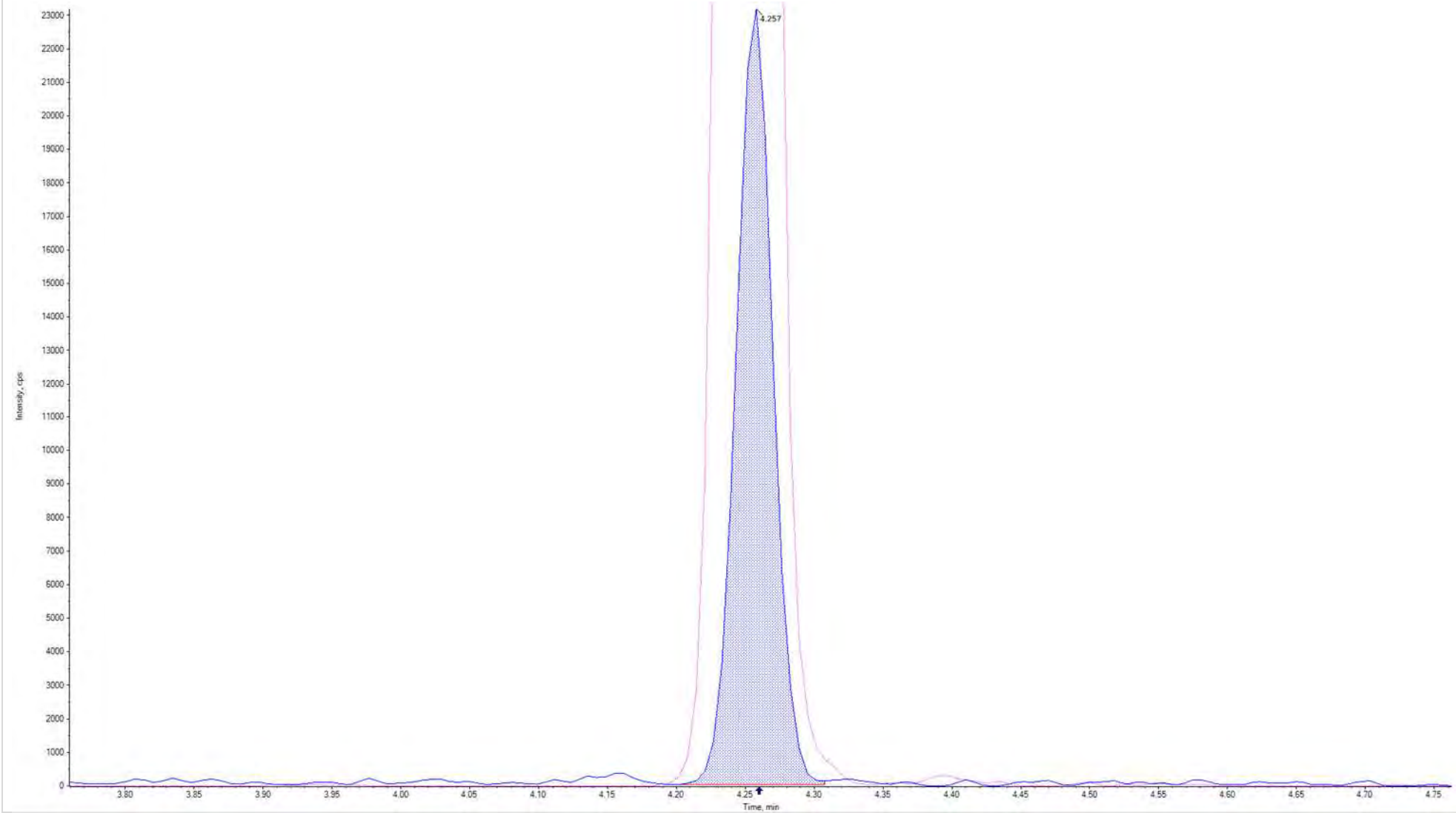
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDA_2
Sample: IA1633STD-.2 S/N:69.8 Points Across peak:28



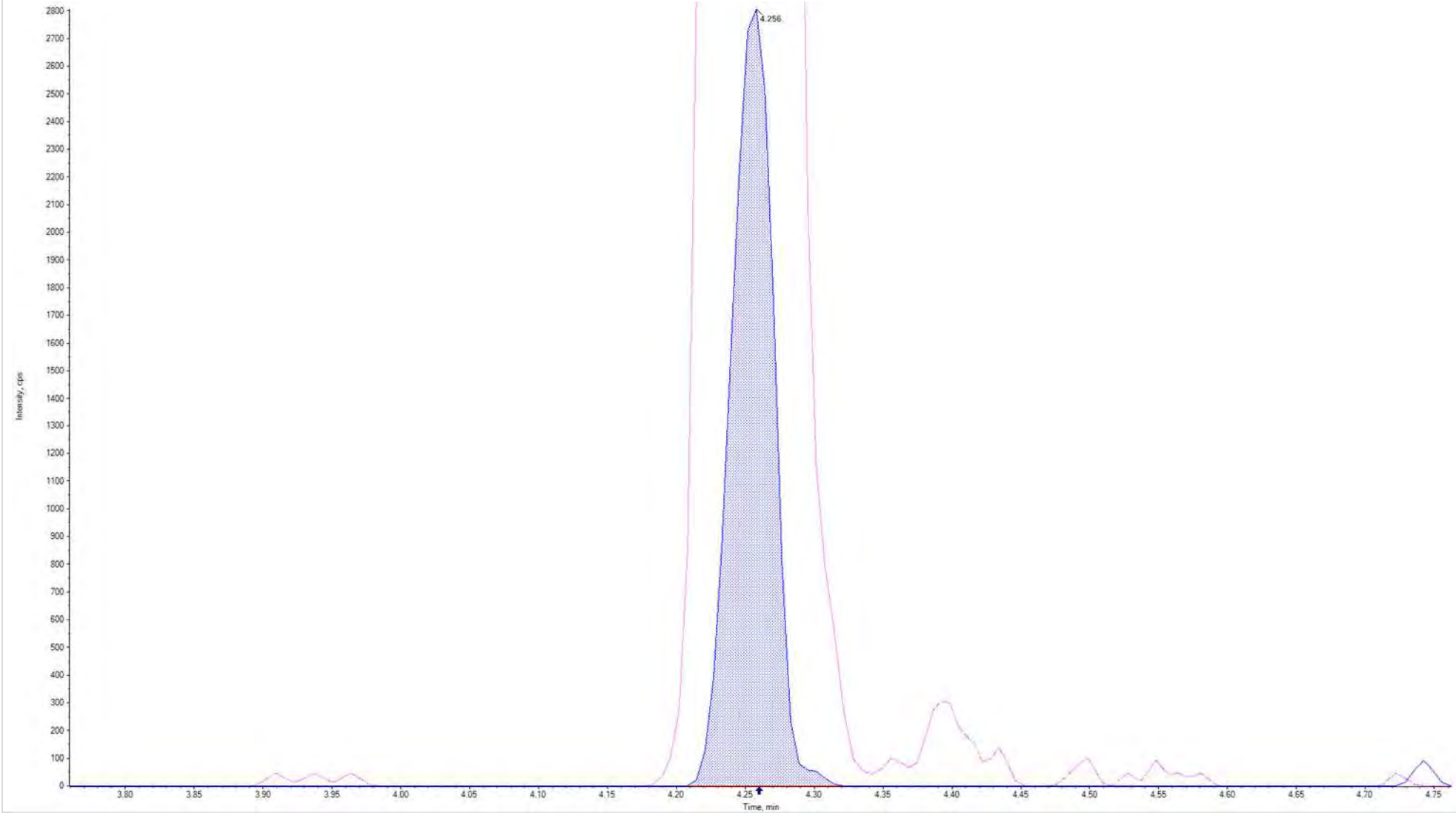
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFUnA
Sample: IA1633STD-.2 S/N:522.1 Points Across peak:19



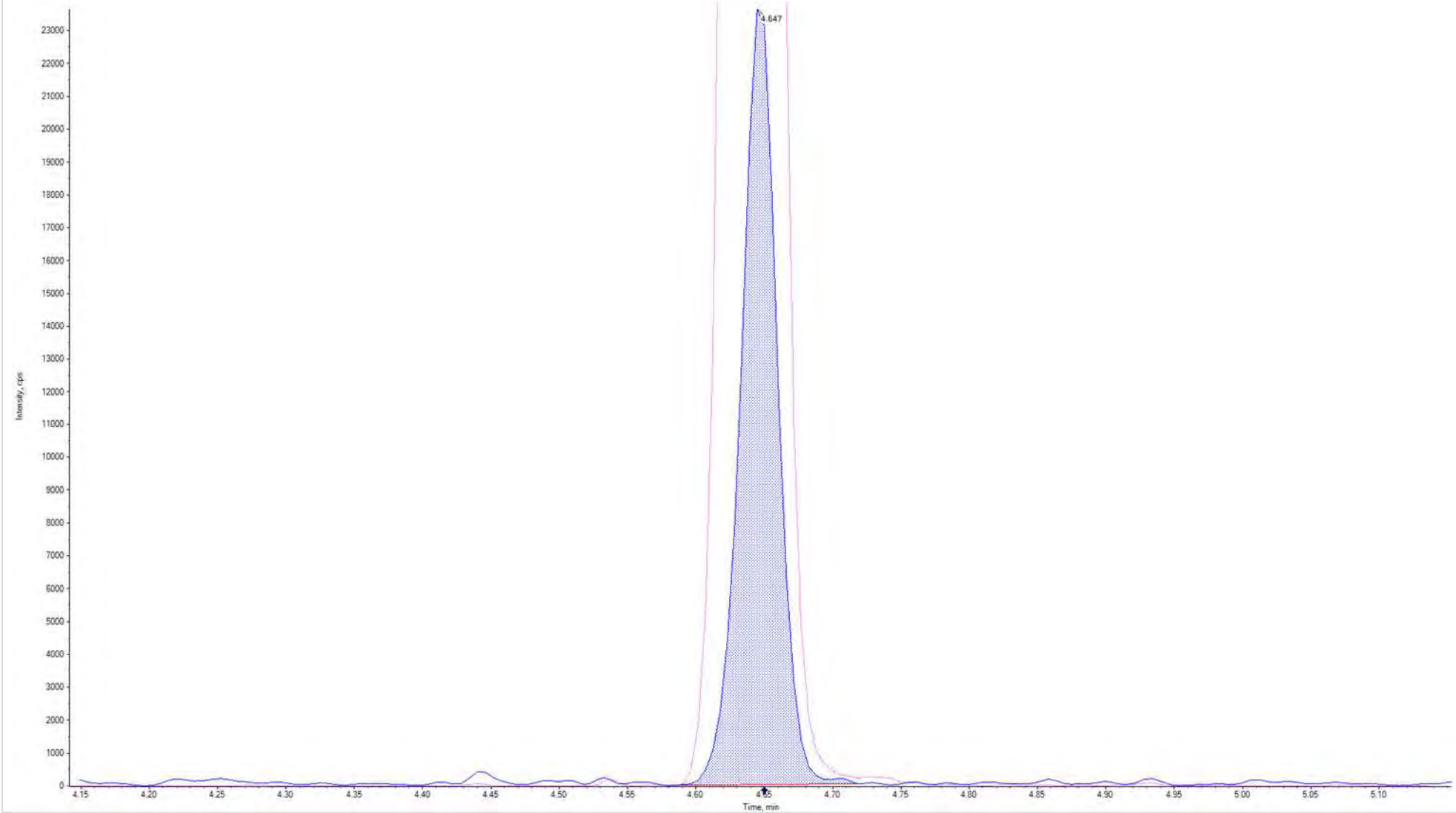
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFUnA_2
Sample: IA1633STD-.2 S/N:63.3 Points Across peak:29



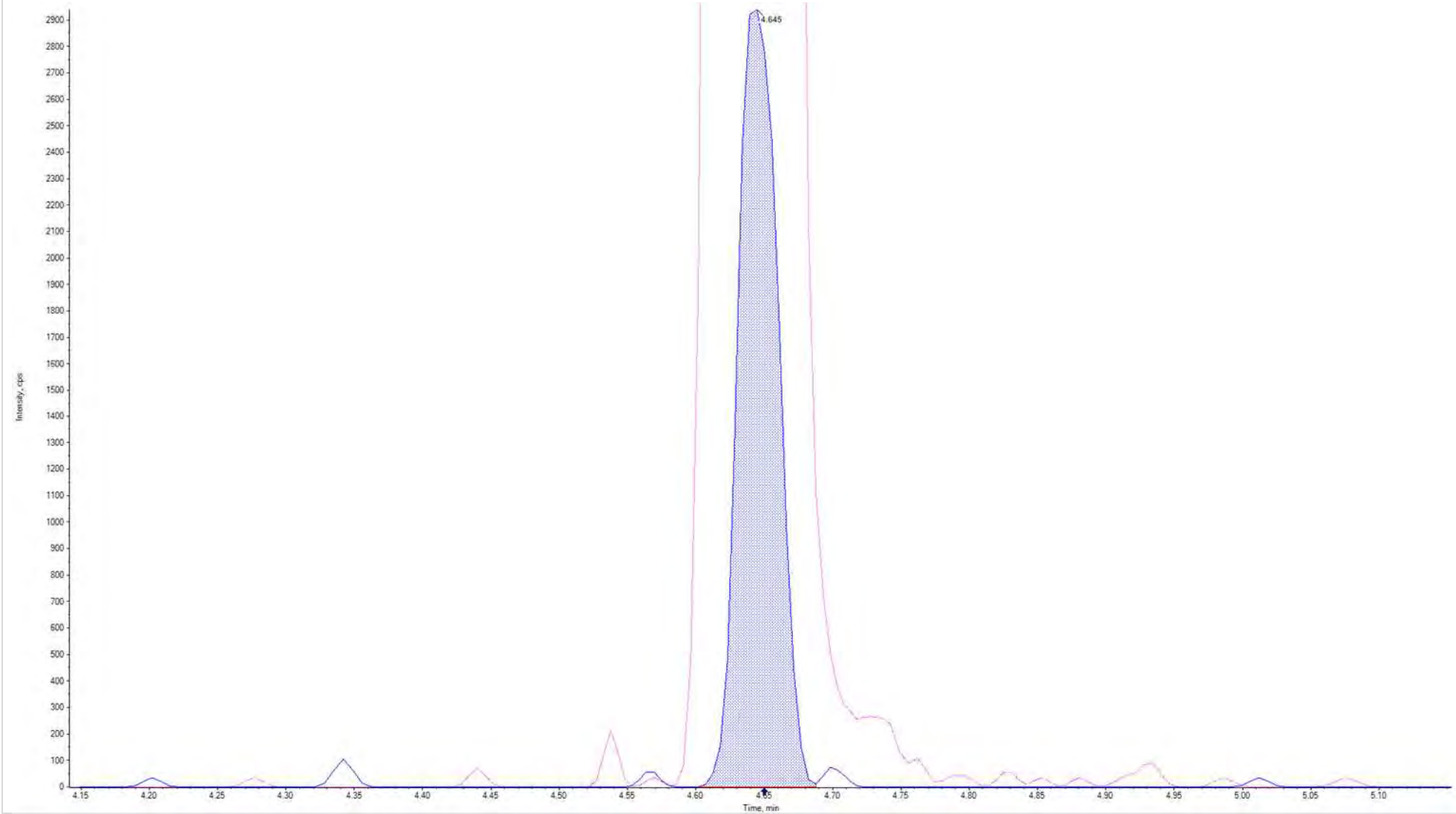
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoA
Sample: IA1633STD-.2 S/N:651.2 Points Across peak:27



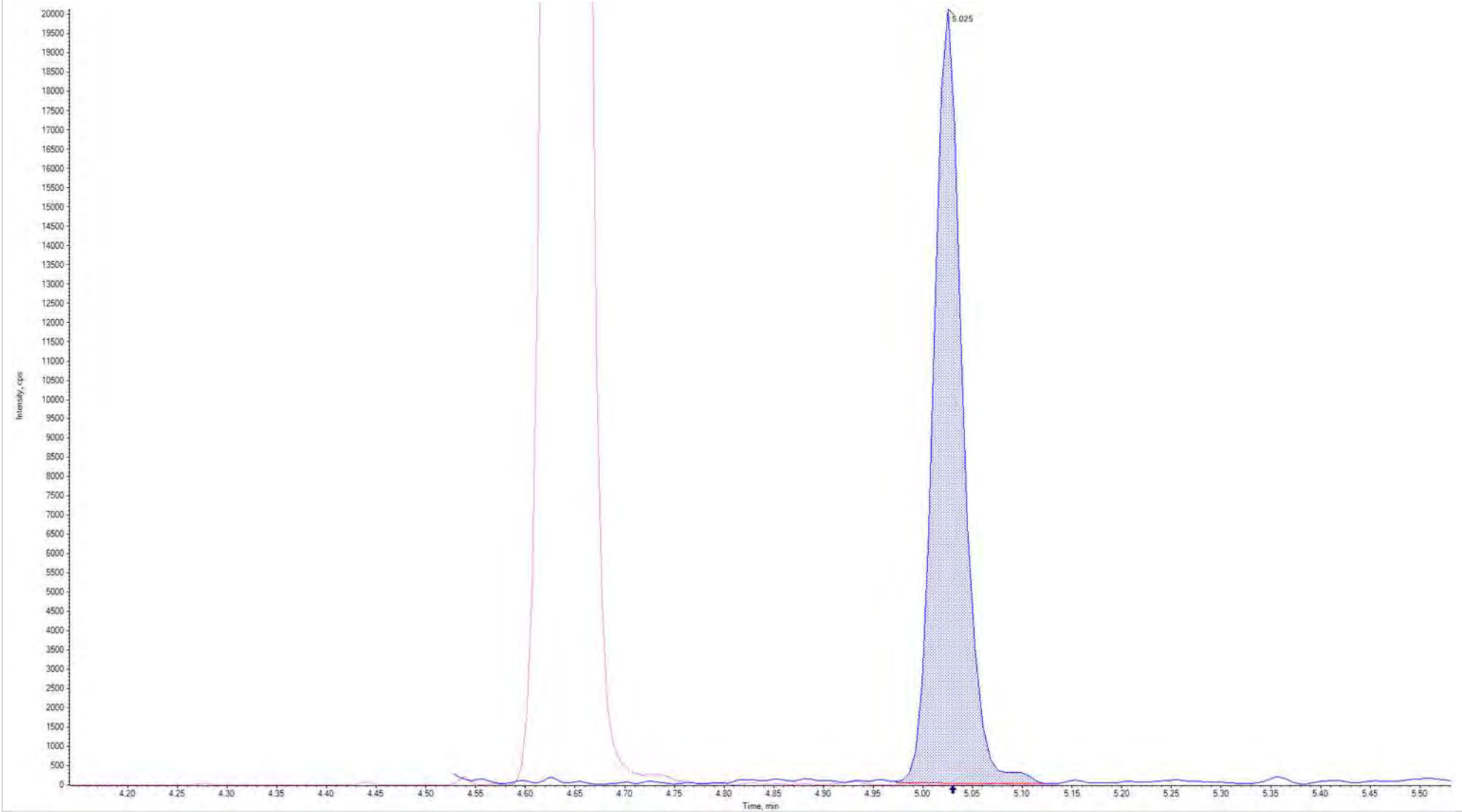
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoA_2
Sample: IA1633STD-.2 S/N:81.0 Points Across peak:19



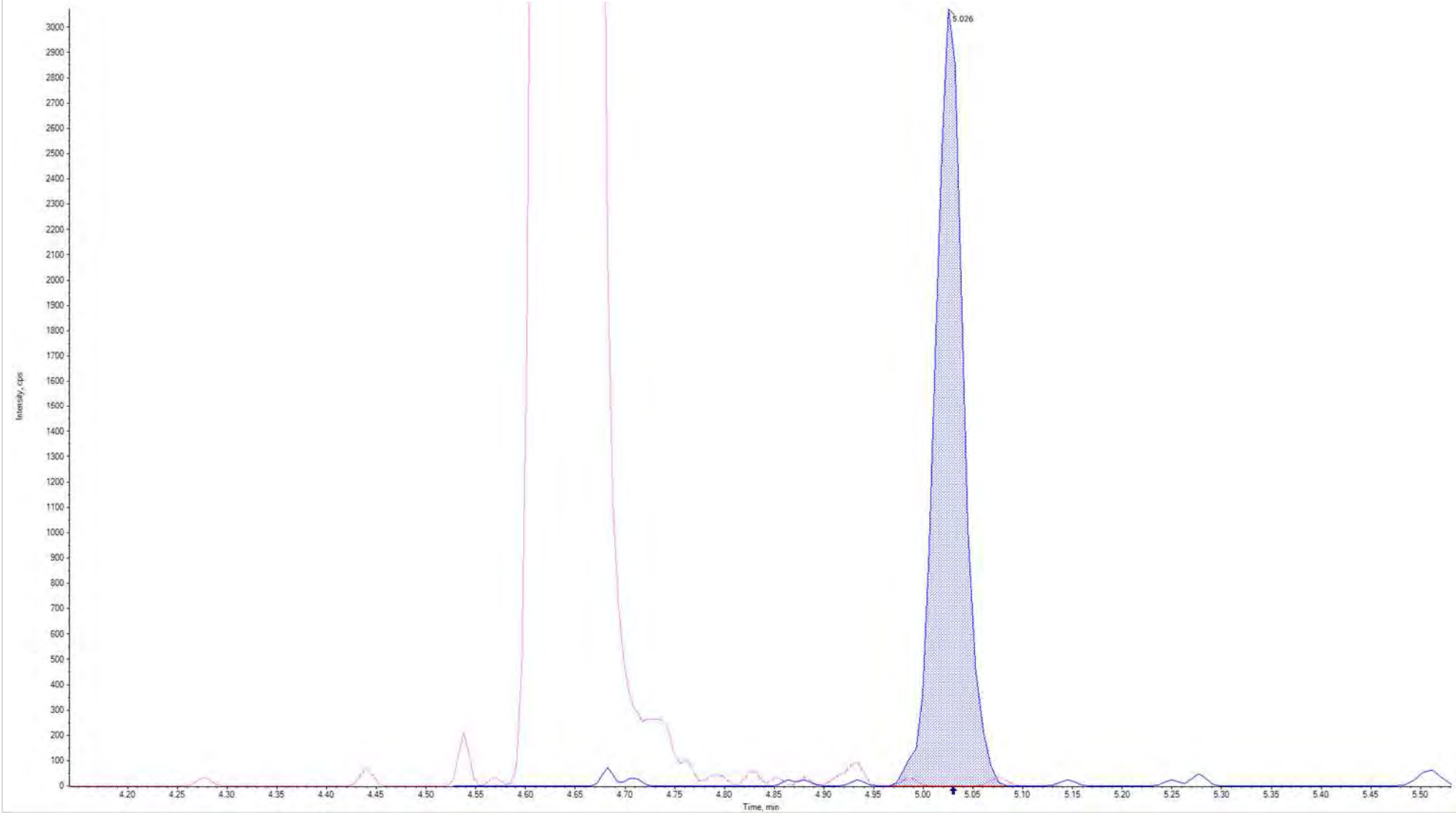
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFTrDA
Sample: IA1633STD-.2 S/N:805.7 Points Across peak:23



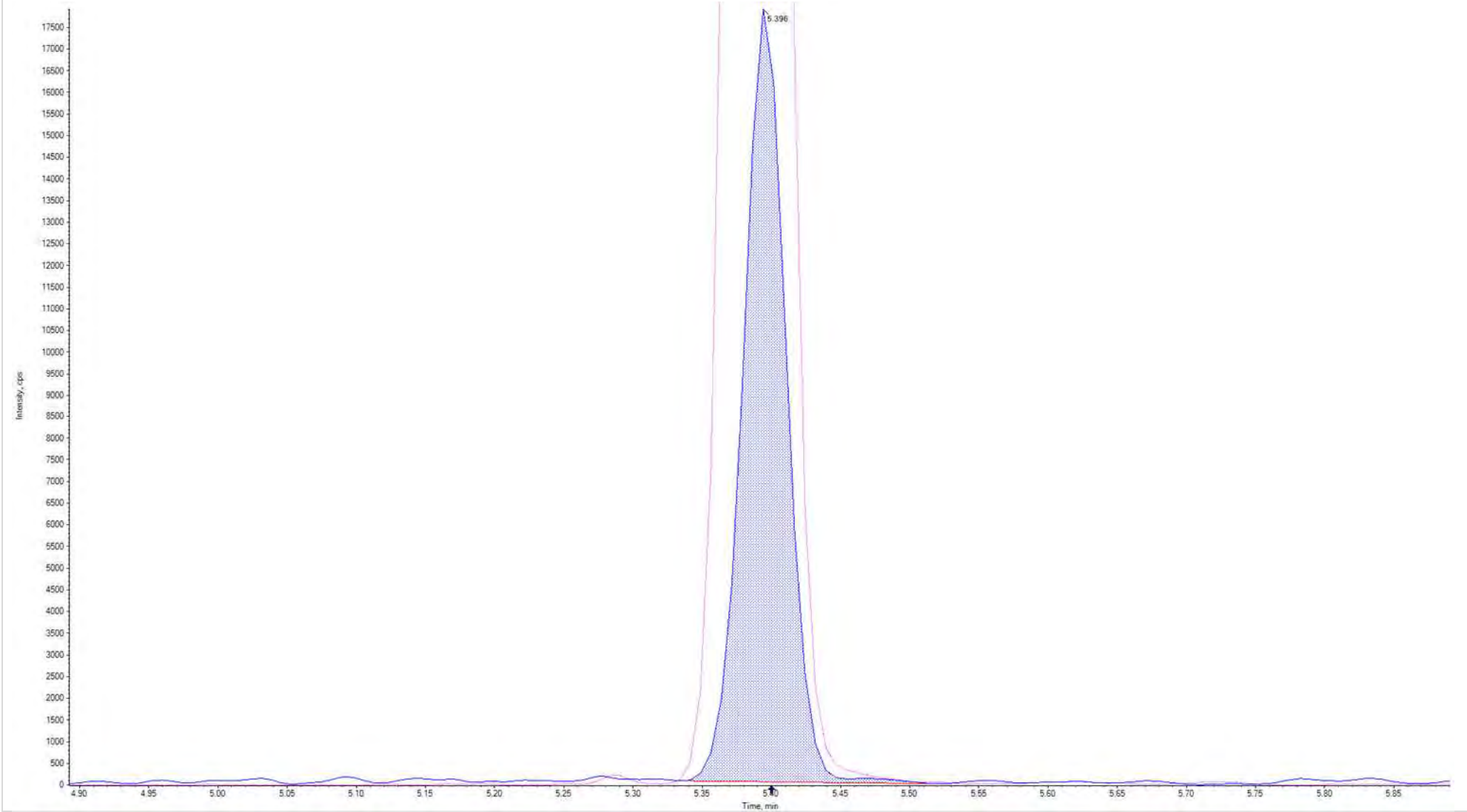
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFTrDA_2
Sample: IA1633STD-.2 S/N:123.2 Points Across peak:22



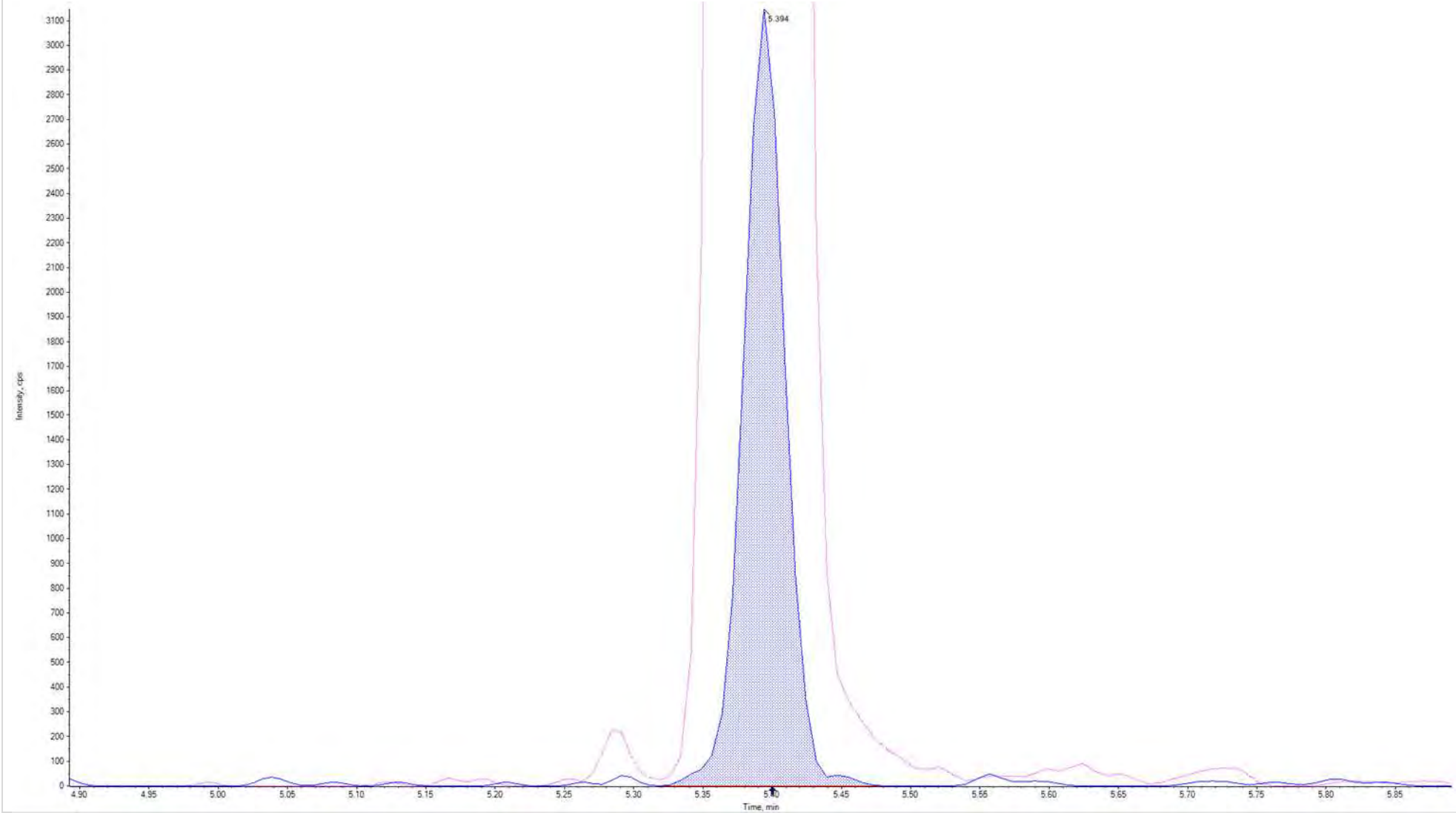
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFTeDA
Sample: IA1633STD-.2 S/N:1118.4 Points Across peak:24



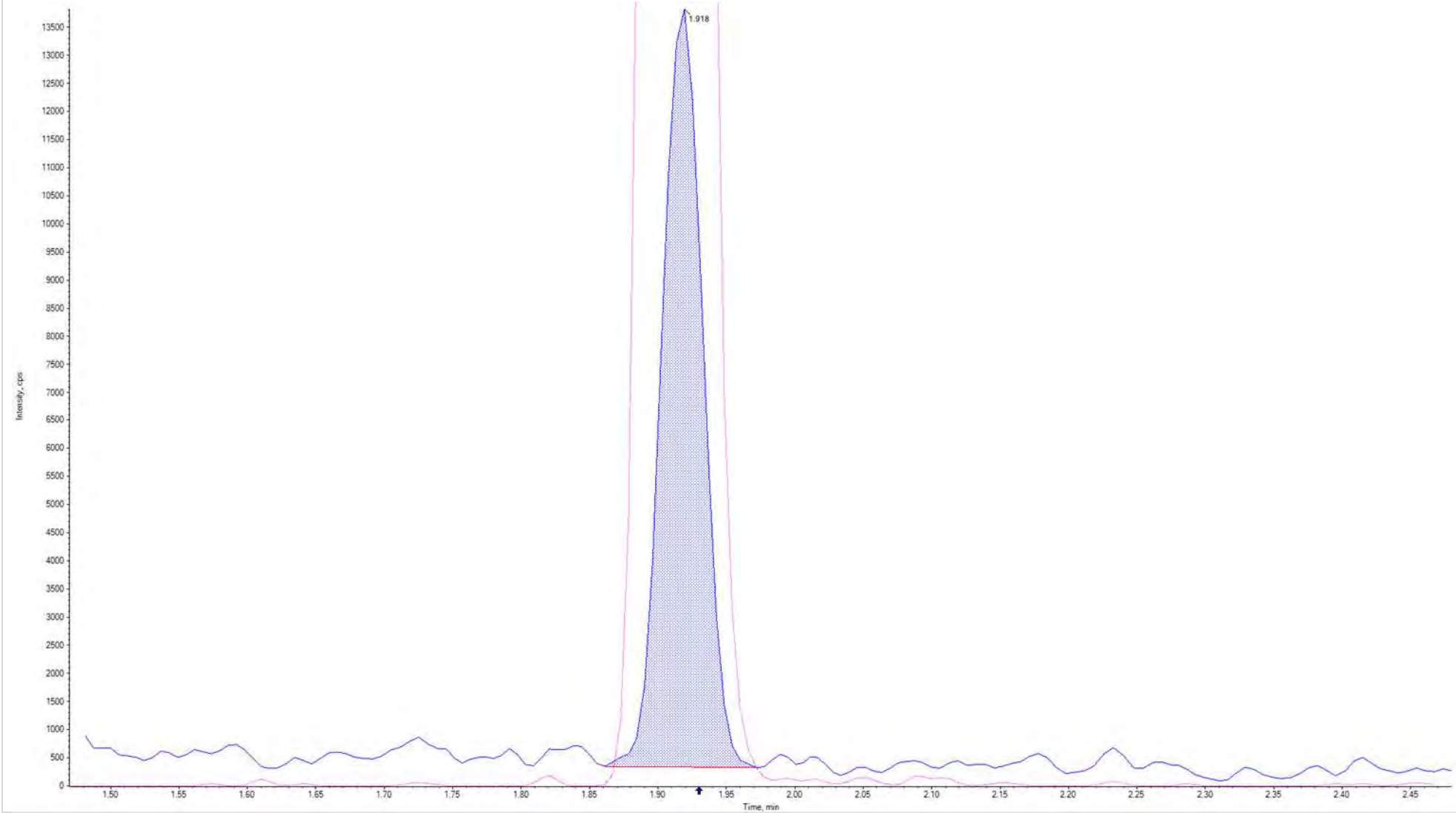
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFTeDA_2
Sample: IA1633STD-.2 S/N:197.2 Points Across peak:23



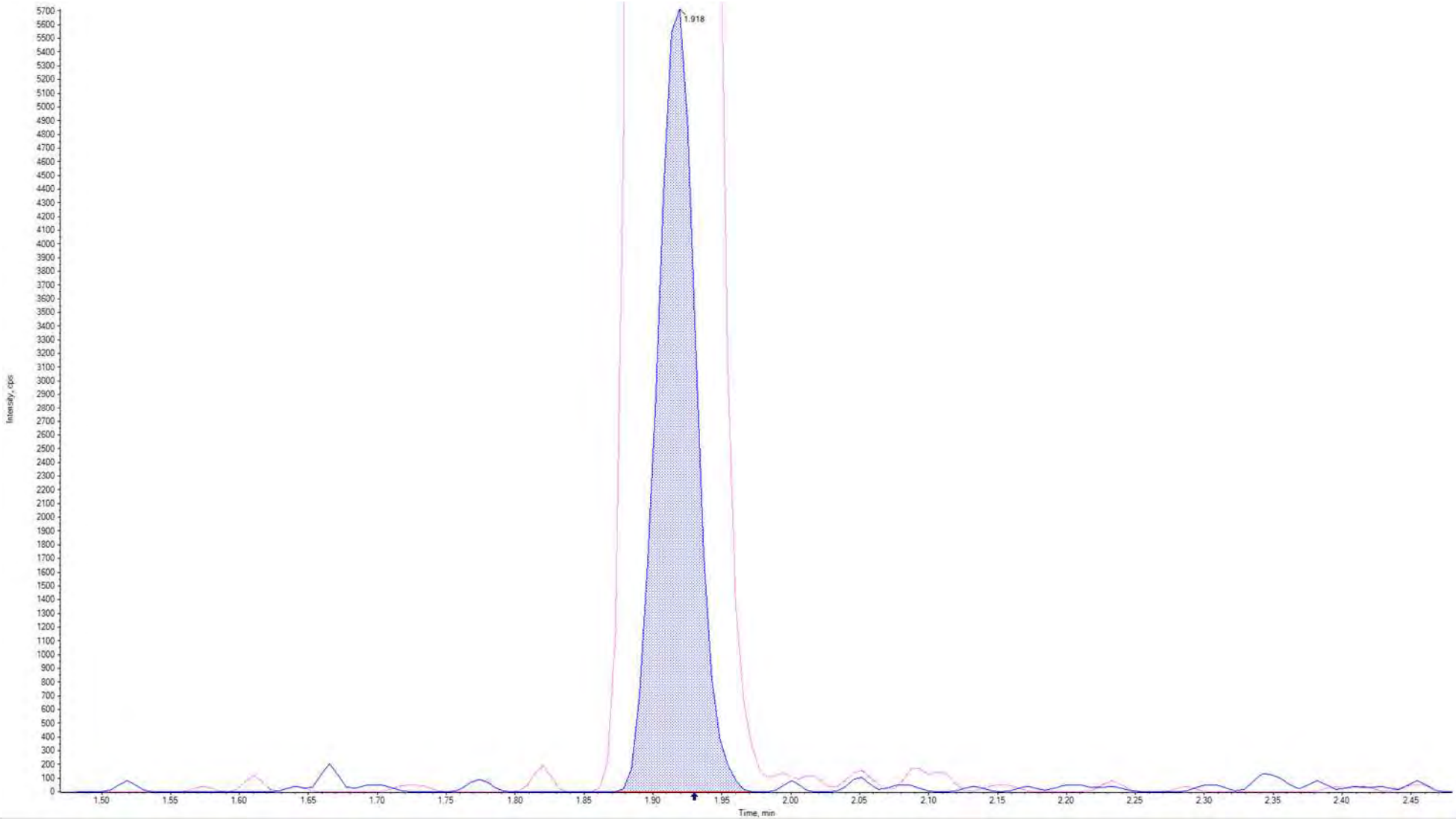
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFBS
Sample: IA1633STD-.2 S/N:338.0 Points Across peak:20



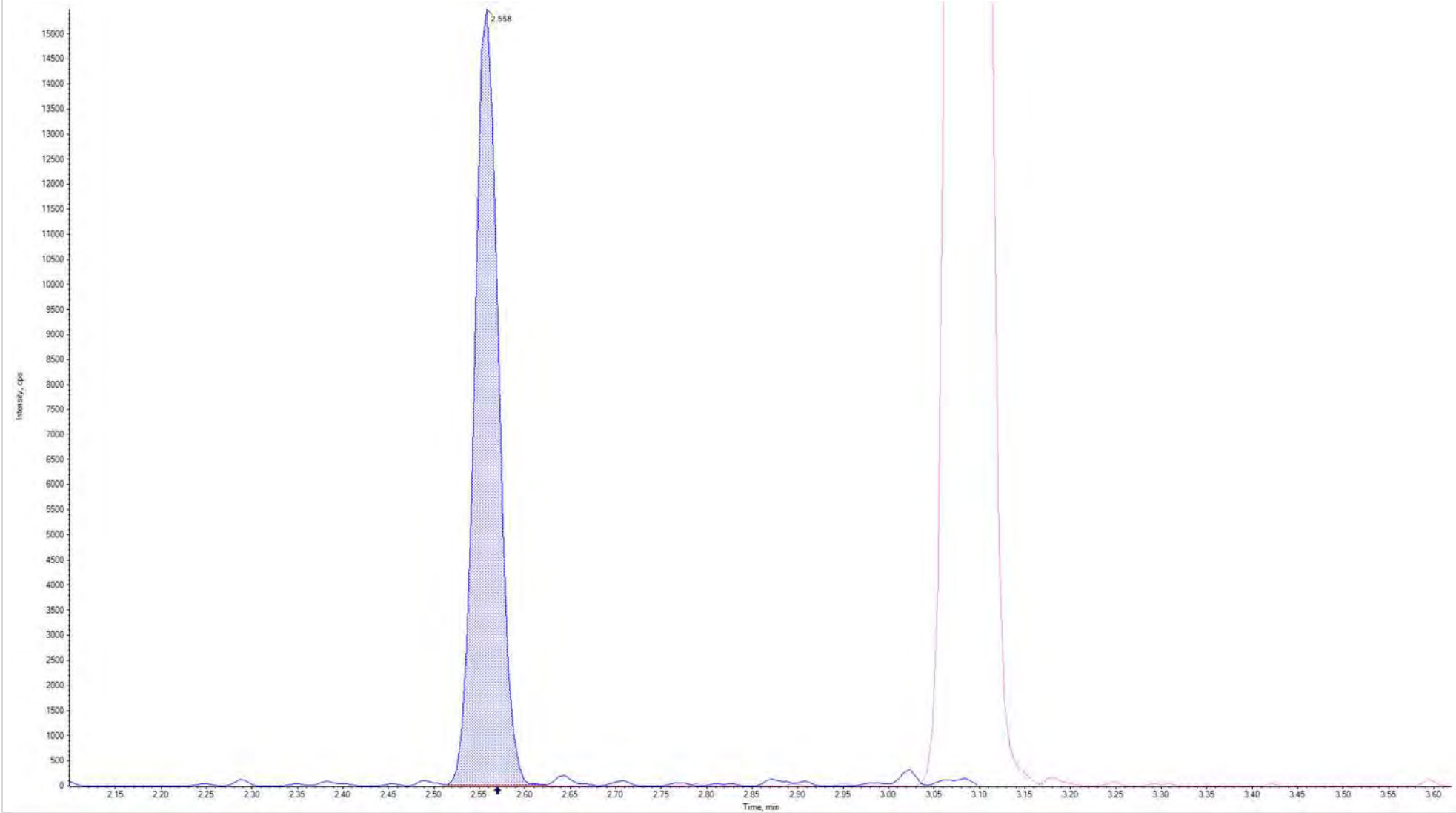
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFBS_2
Sample: IA1633STD-.2 S/N:143.2 Points Across peak:21



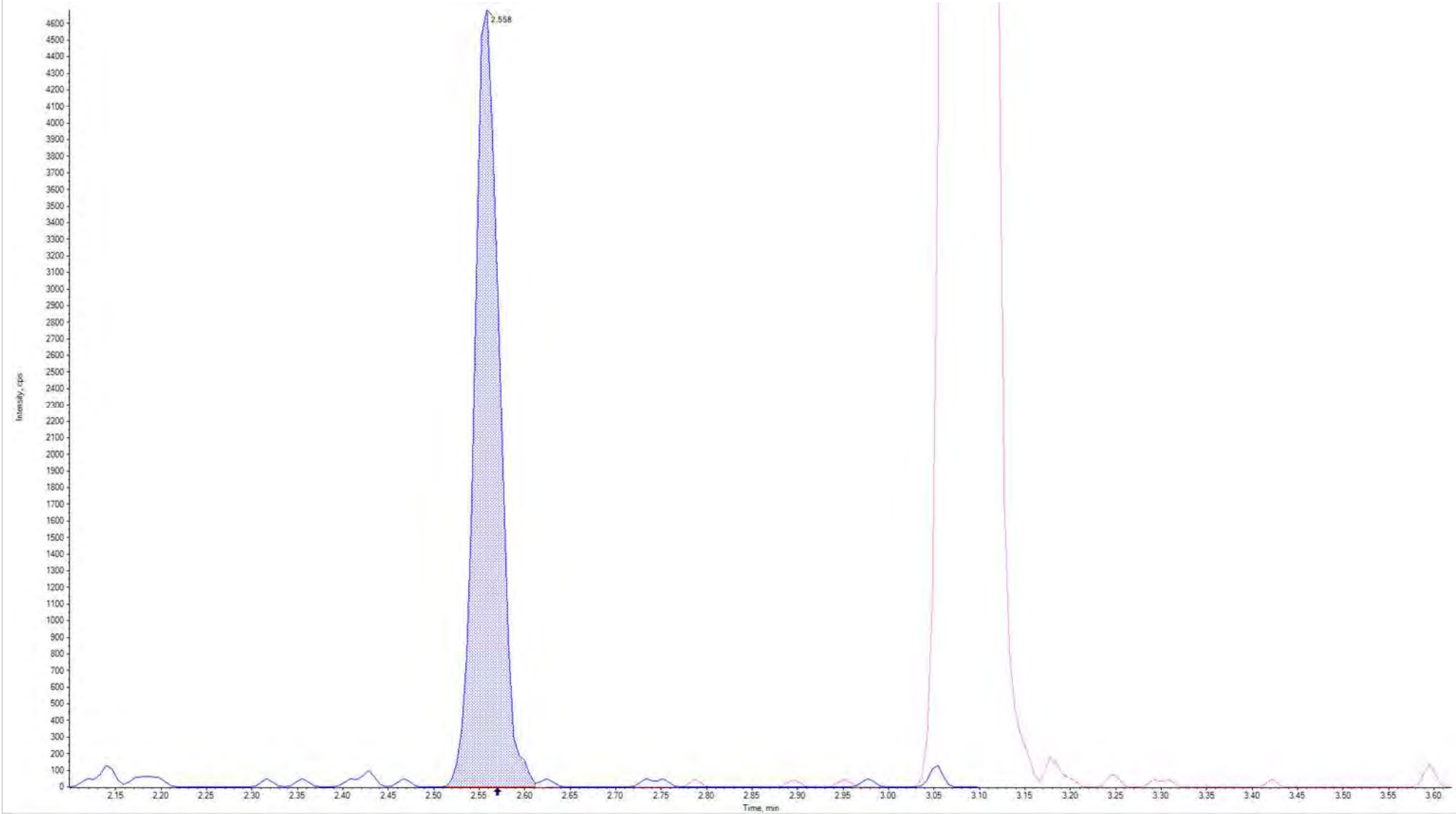
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFPeS
Sample: IA1633STD-.2 S/N:310.2 Points Across peak:20



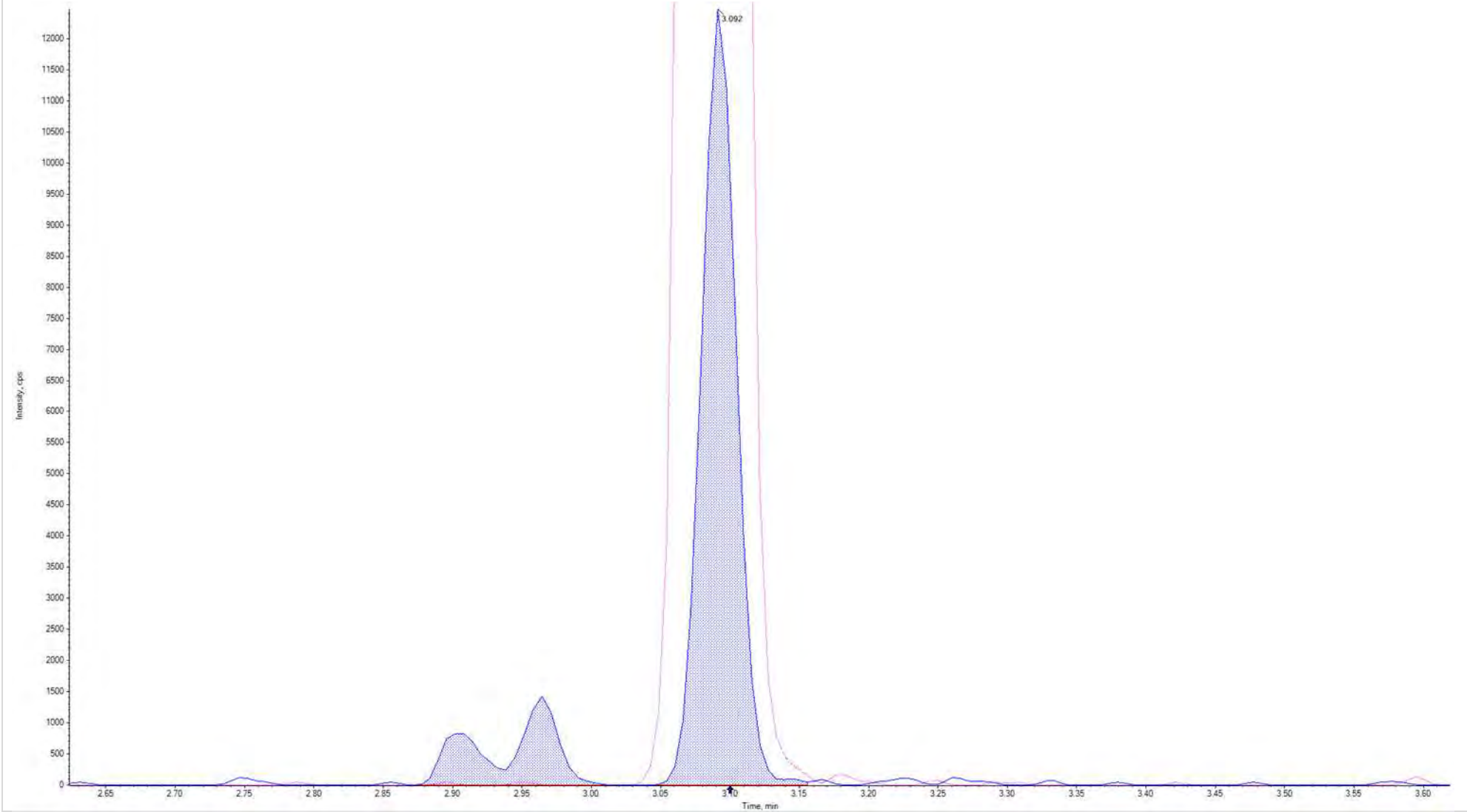
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFPeS_2
Sample: IA1633STD-.2 S/N:93.9 Points Across peak:22



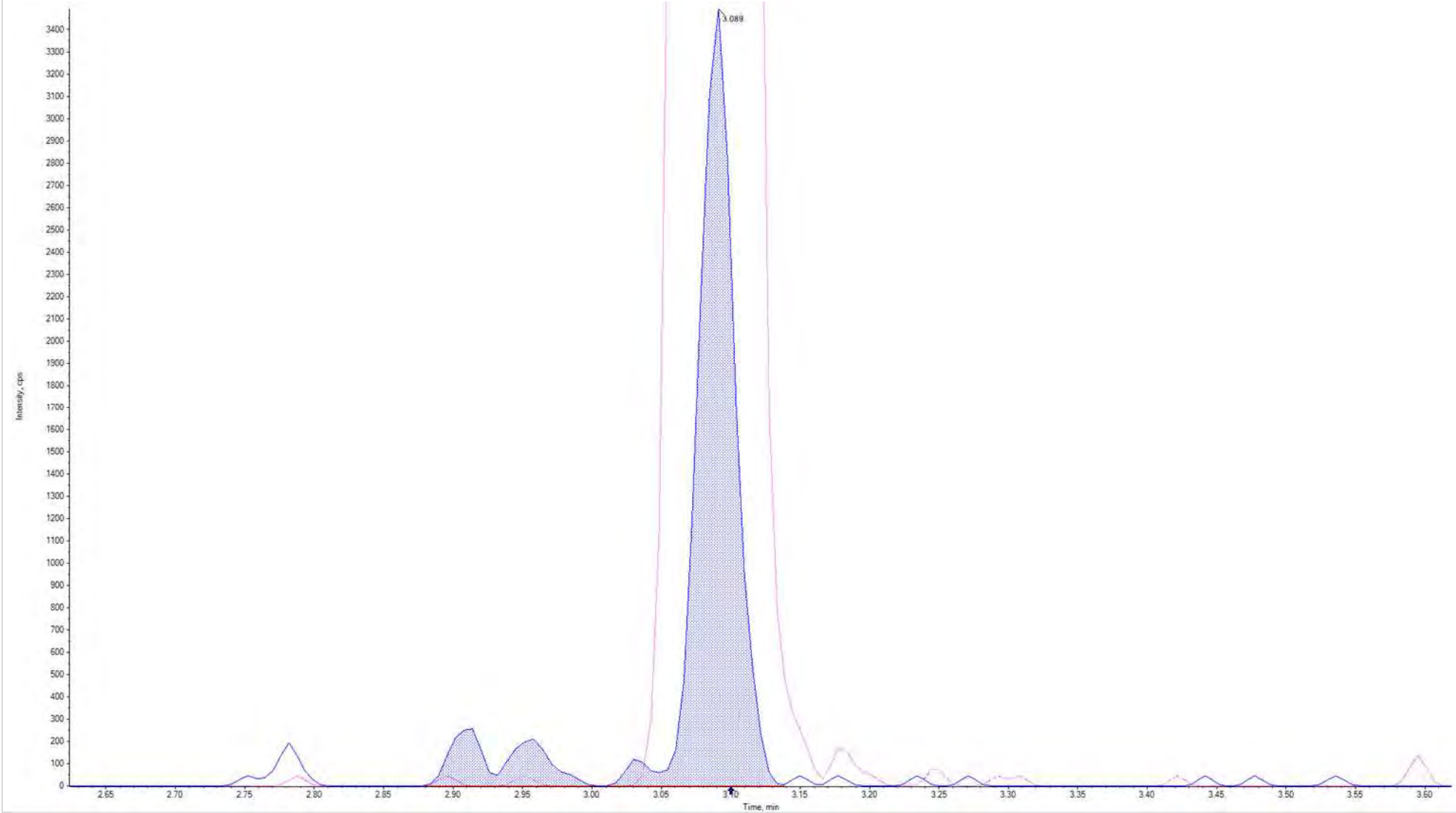
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHxS
Sample: IA1633STD-.2 S/N:281.4 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\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHxS_2
Sample: IA1633STD-.2 S/N:78.8 Points Across peak:43



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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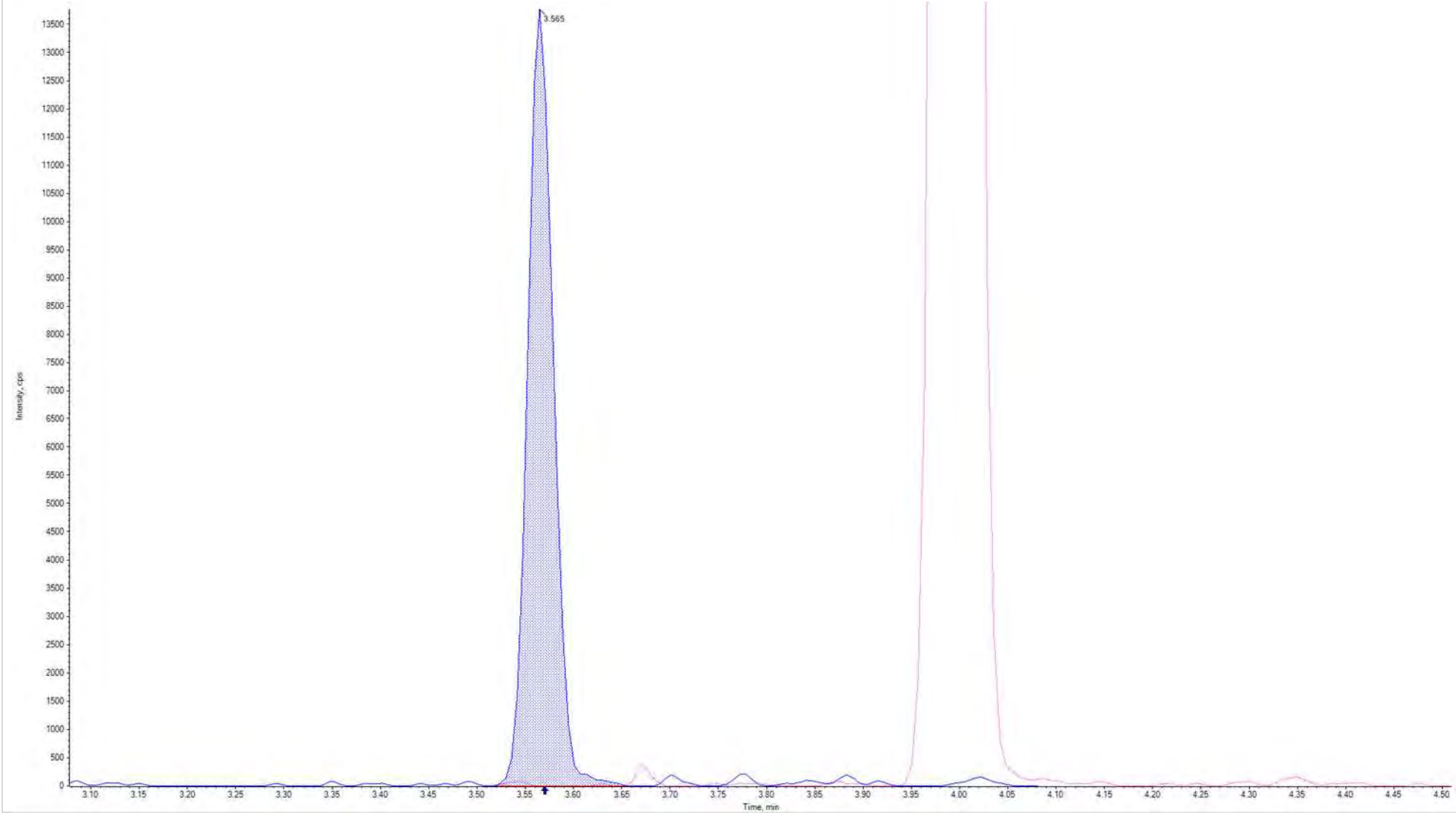
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHpS
Sample: IA1633STD-.2 S/N:276.1 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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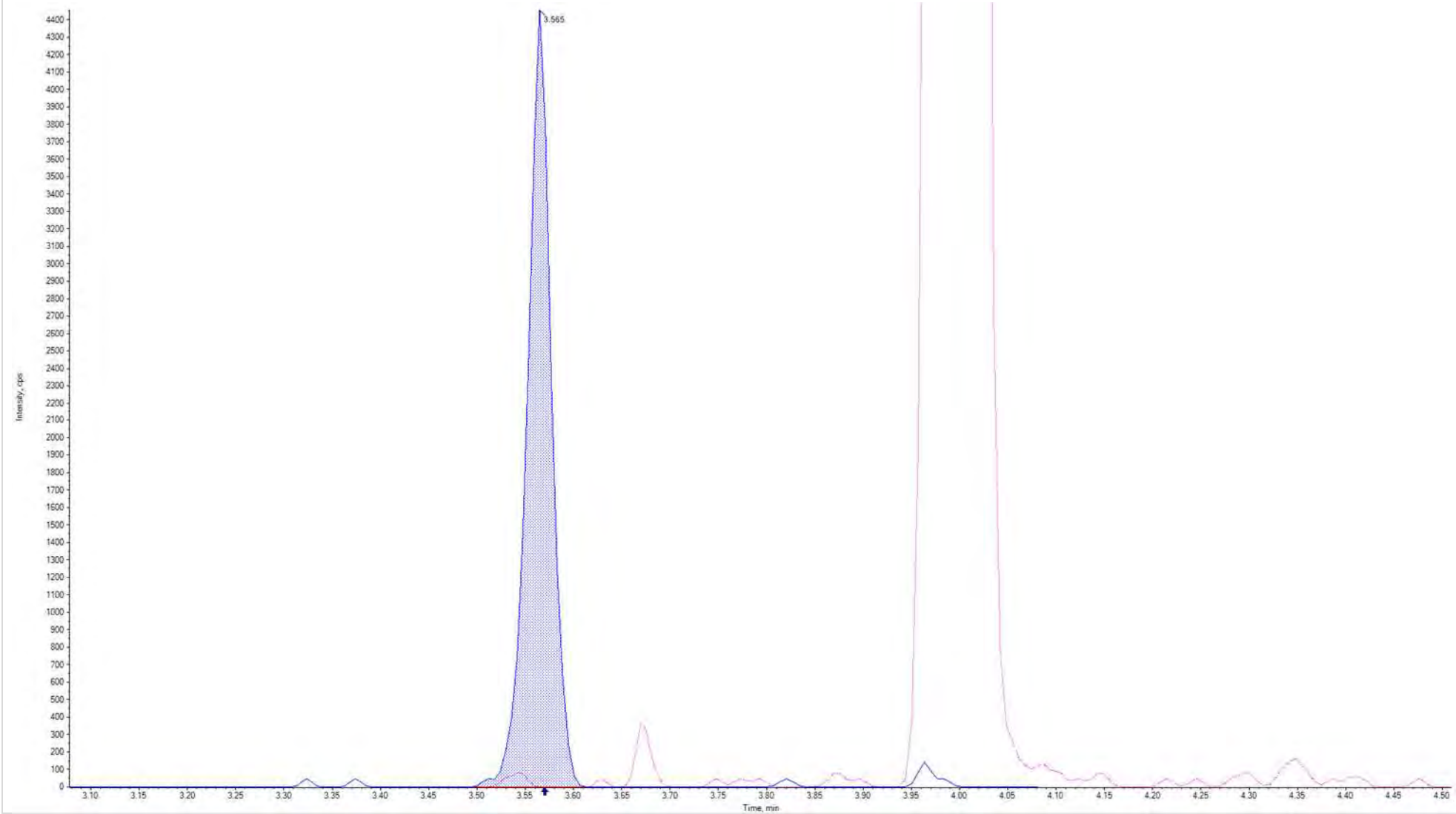
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHpS_2
Sample: IA1633STD-.2 S/N:89.4 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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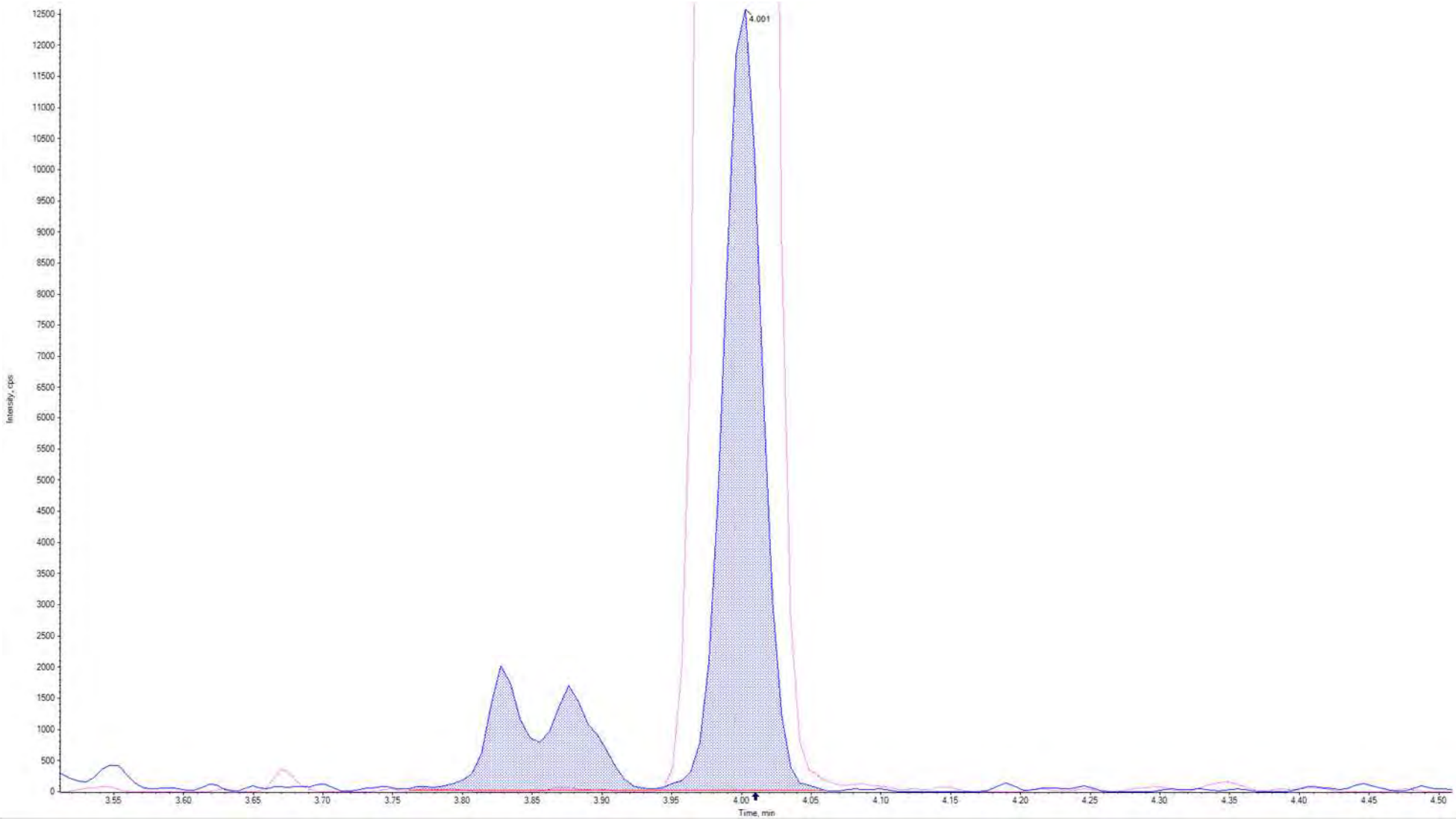
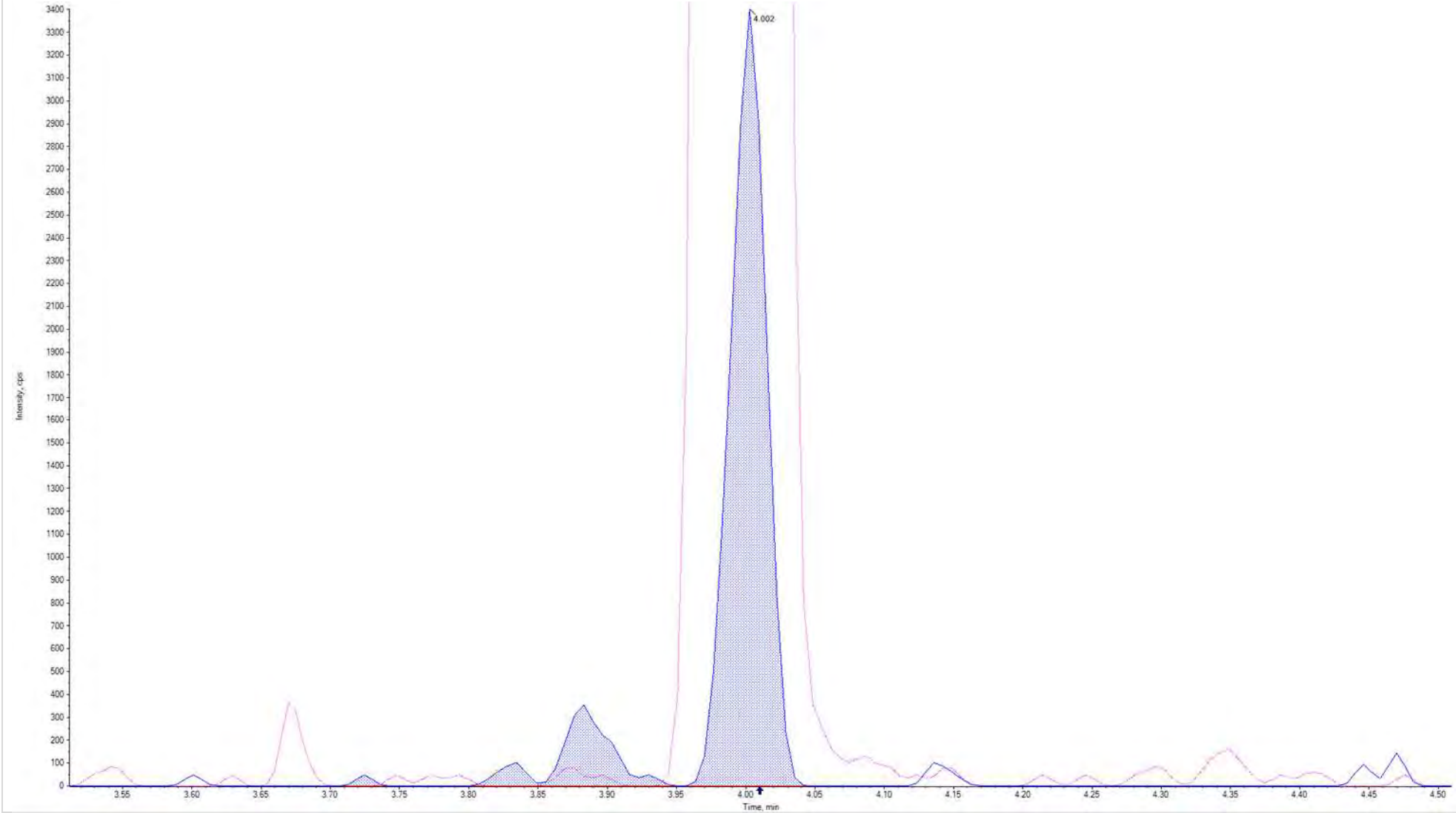
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOS
Sample: IA1633STD-.2 S/N:251.4 Points Across peak:46



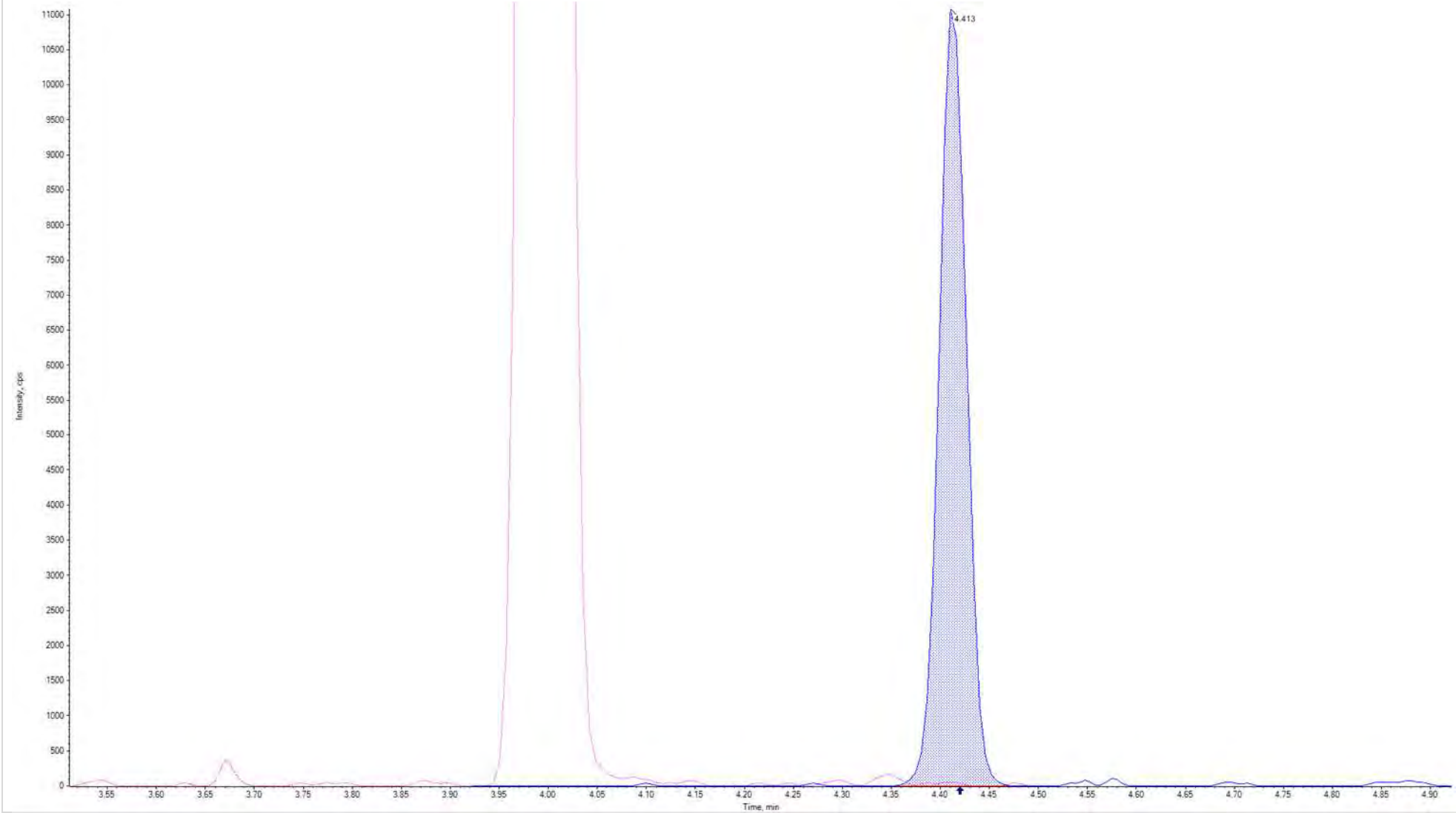
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOS_2
Sample: IA1633STD-.2 S/N:68.2 Points Across peak:55



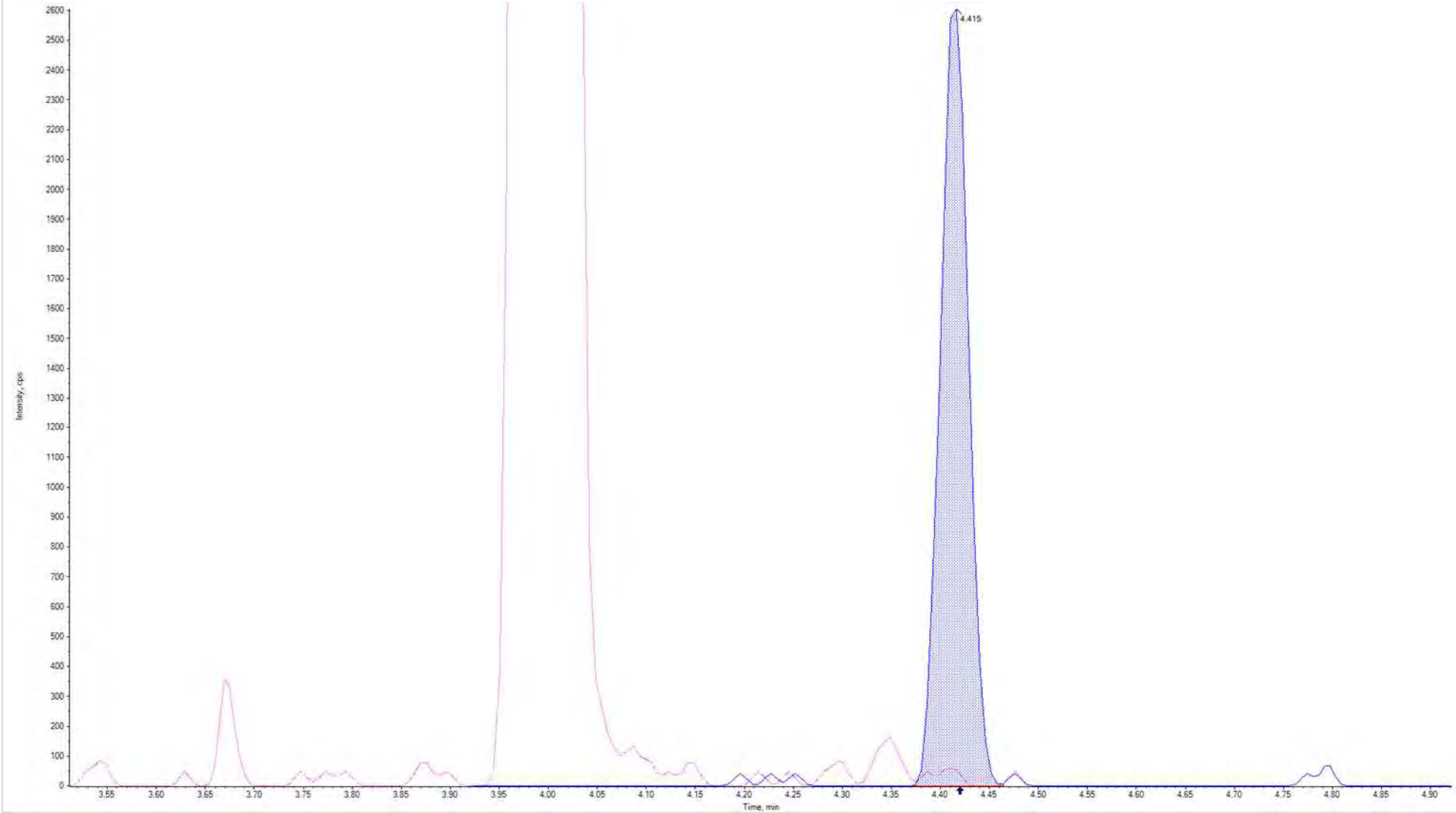
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFNS
Sample: IA1633STD-.2 S/N:277.7 Points Across peak:30



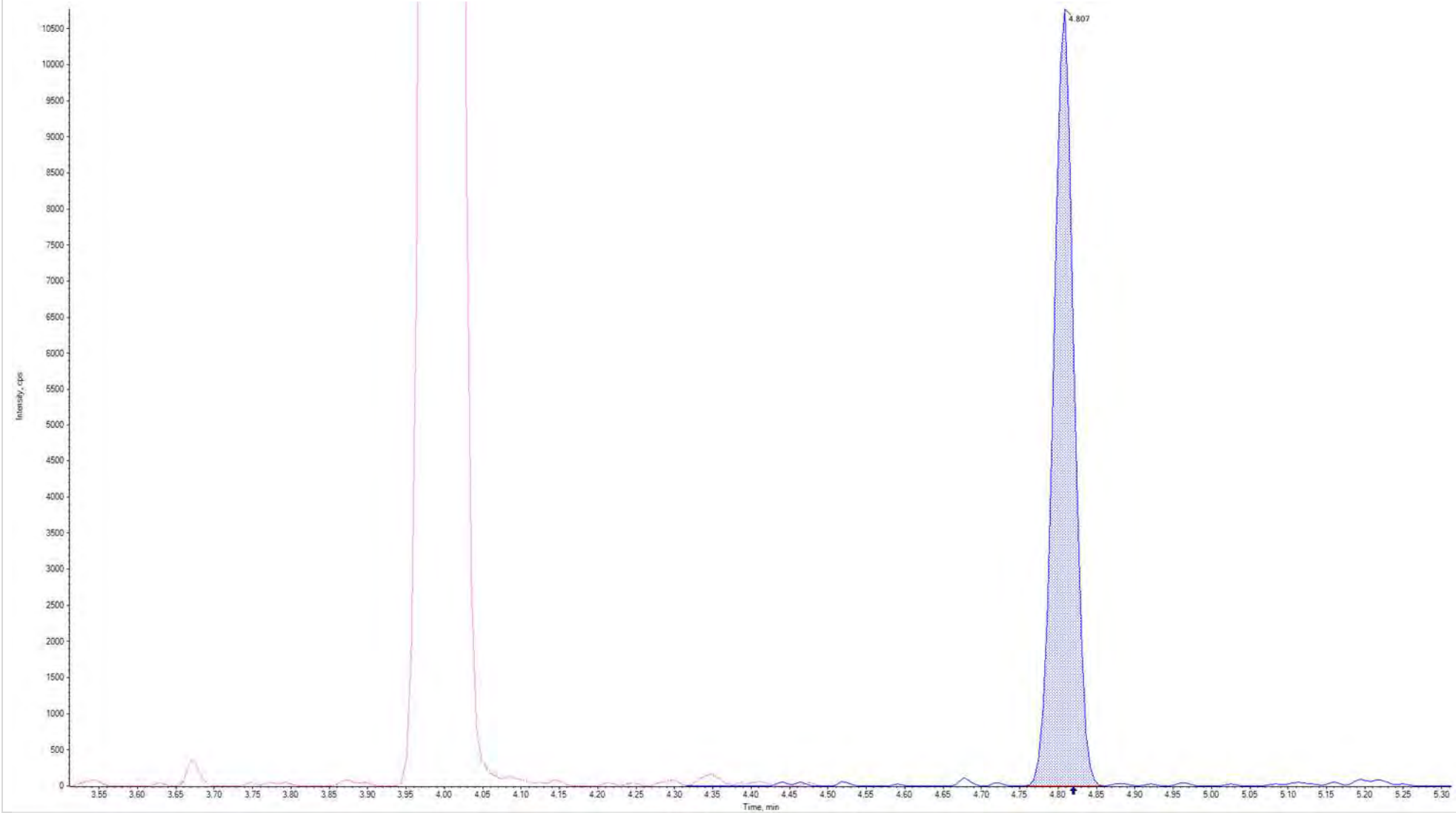
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFNS_2
Sample: IA1633STD-.2 S/N:65.3 Points Across peak:21



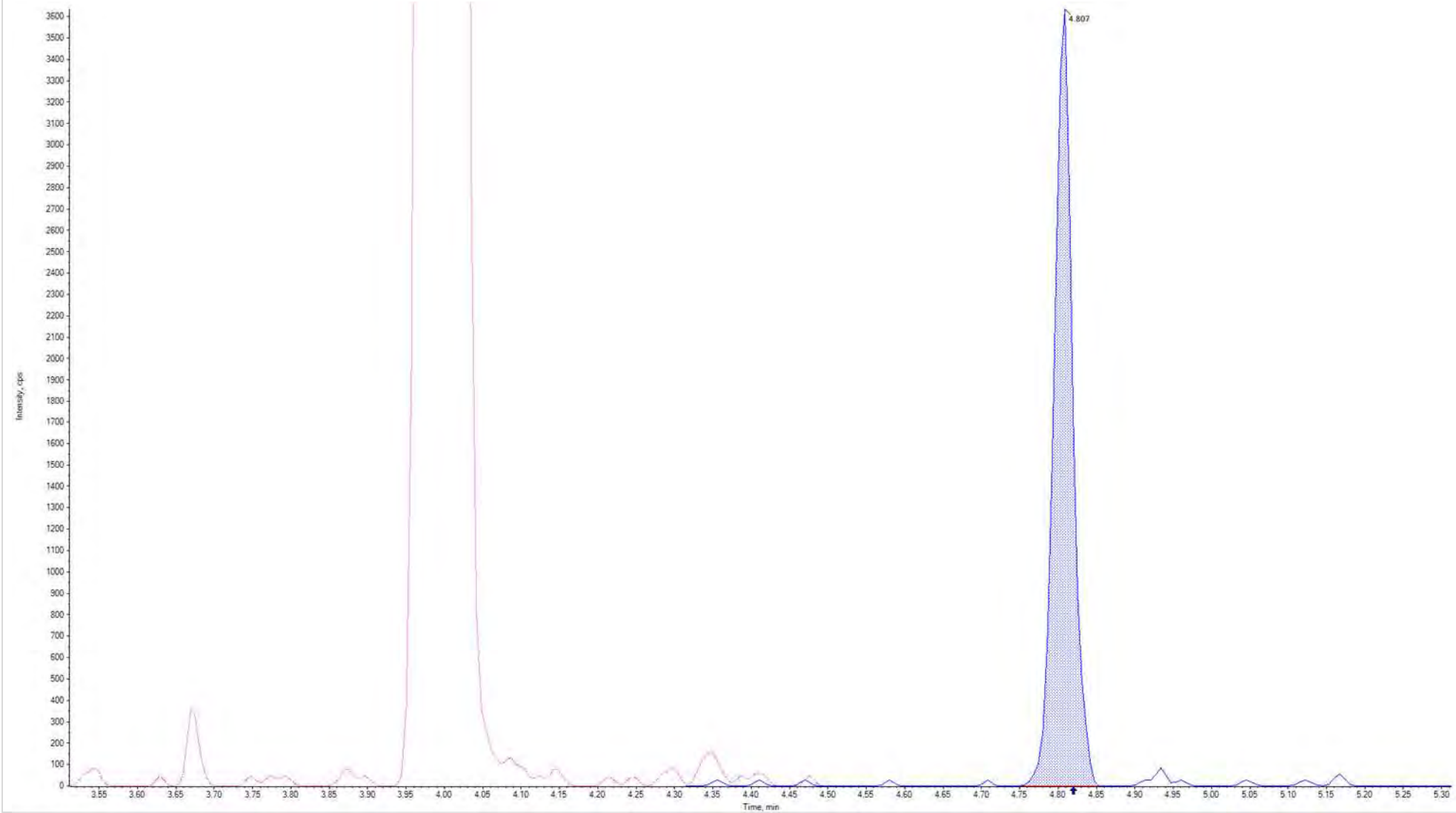
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDS
Sample: IA1633STD-.2 S/N:378.0 Points Across peak:20



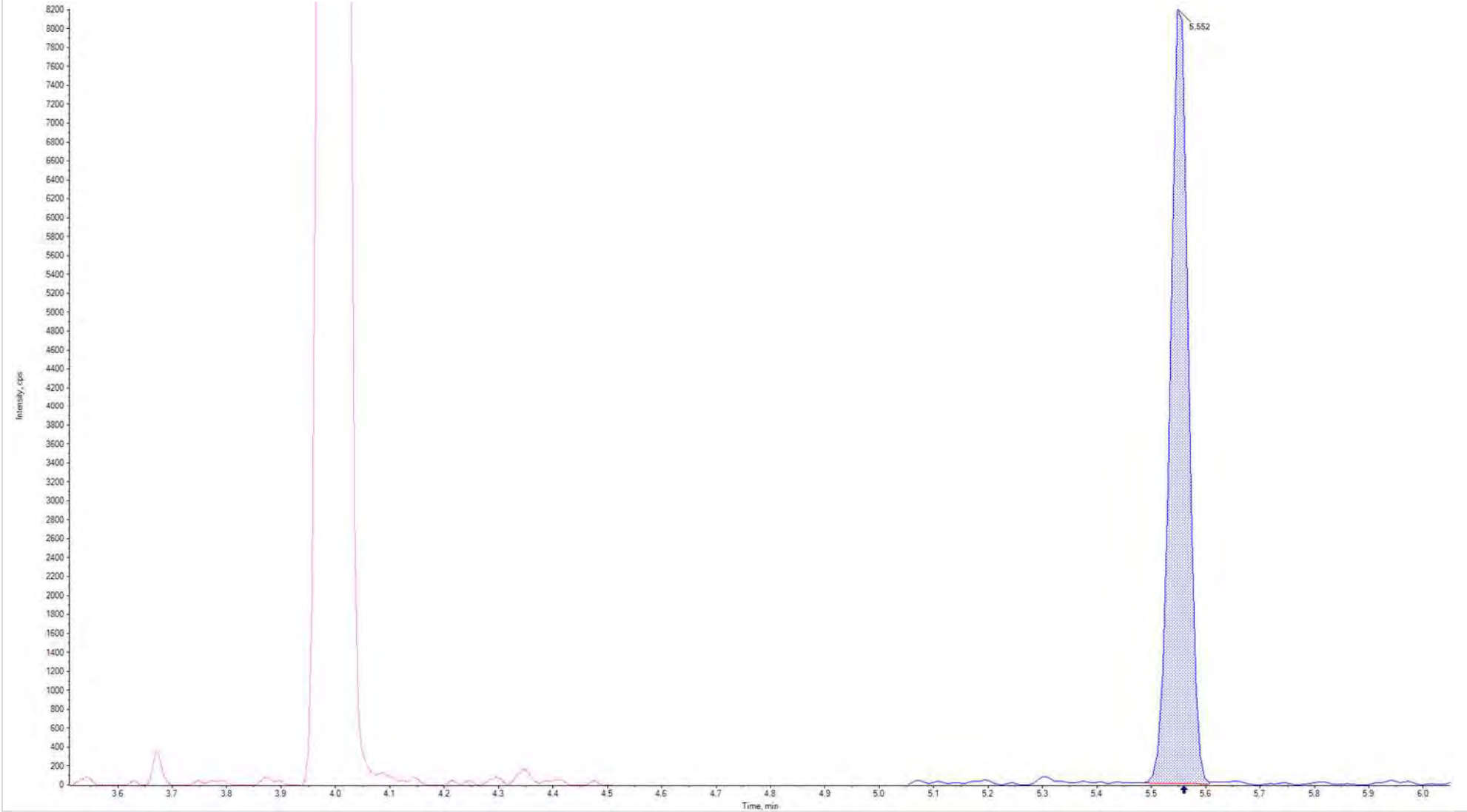
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDS_2
Sample: IA1633STD-.2 S/N:127.6 Points Across peak:24



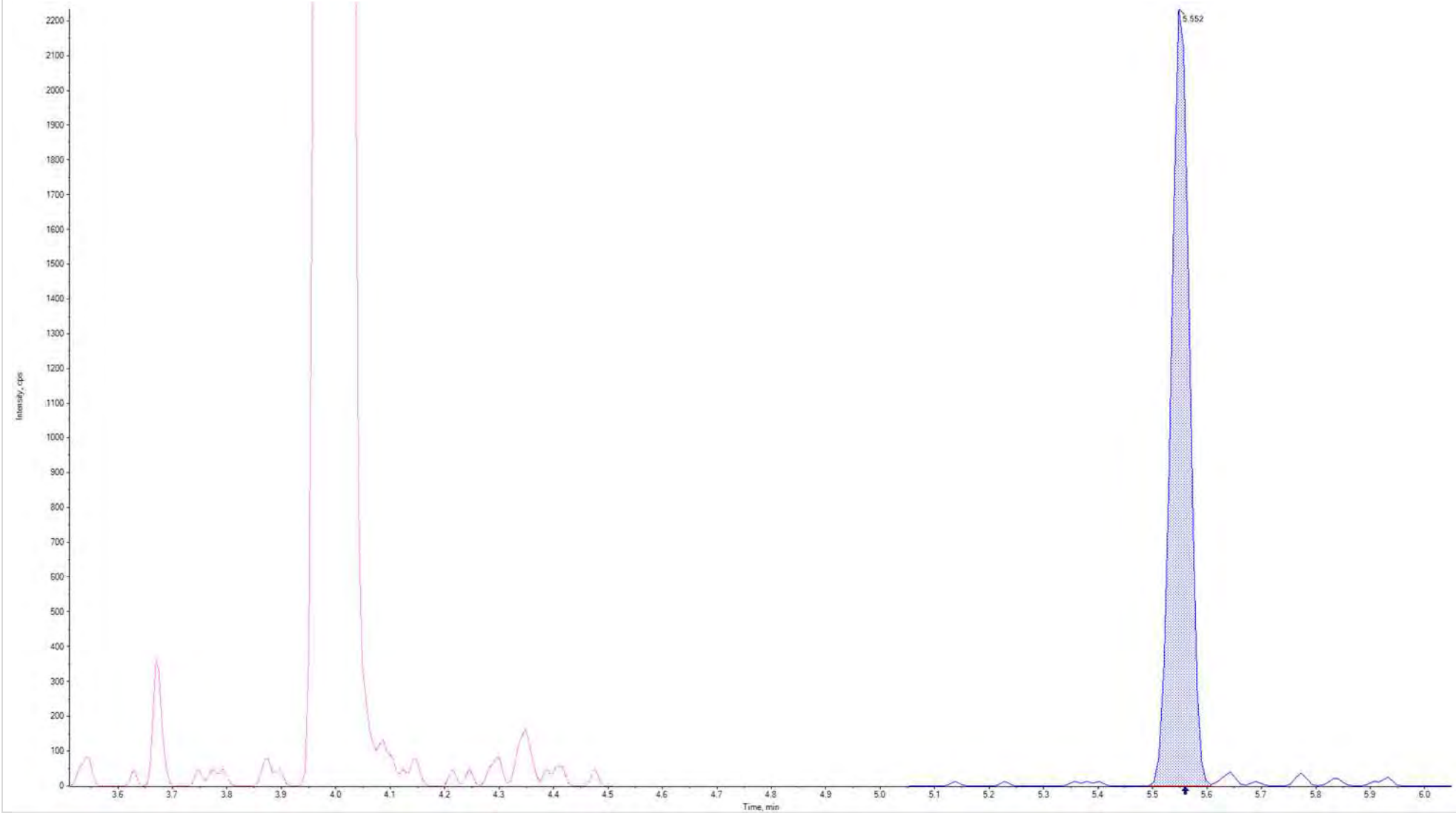
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoS
Sample: IA1633STD-.2 S/N:636.5 Points Across peak:15



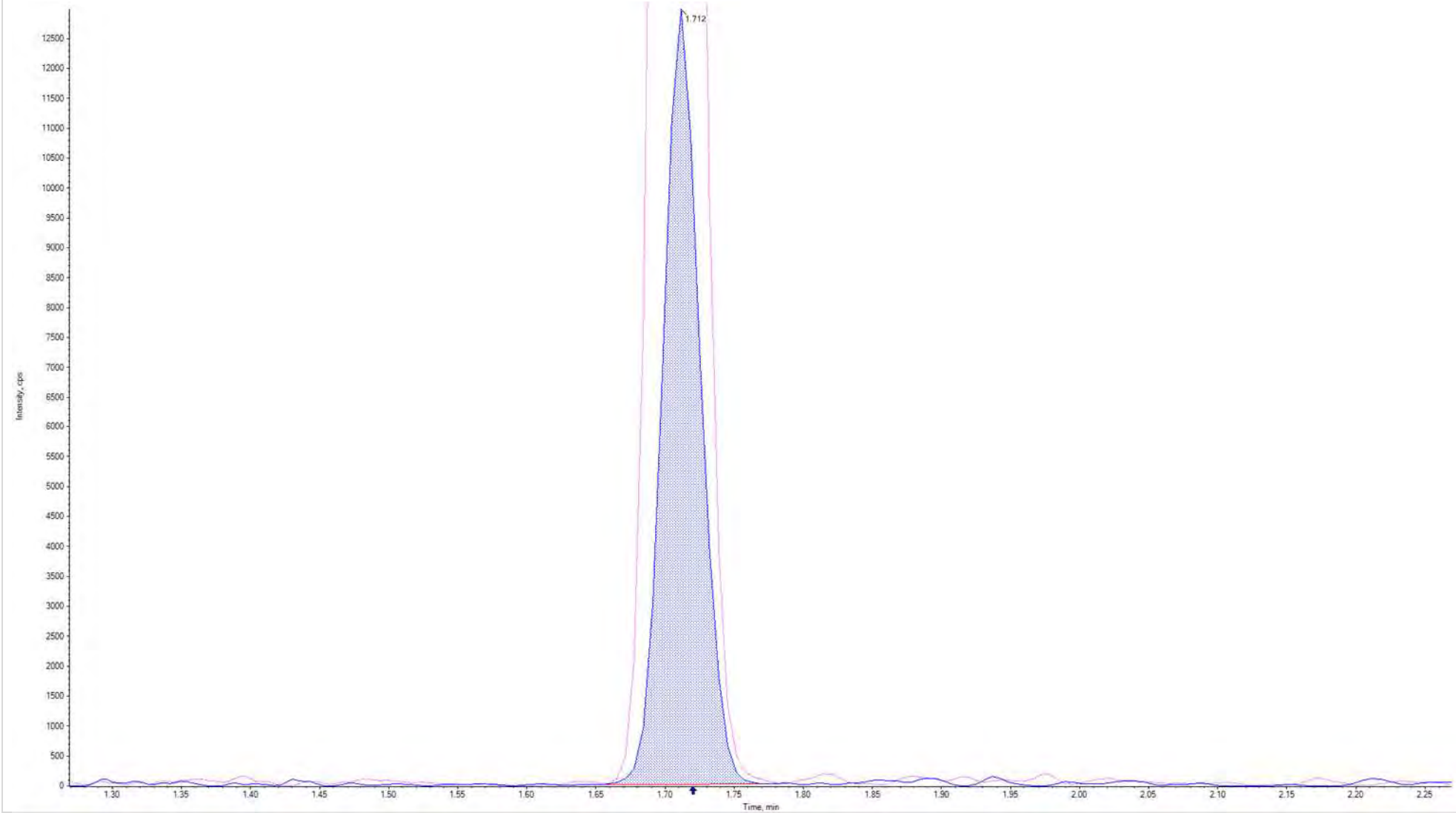
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoS_2
Sample: IA1633STD-.2 S/N:173.6 Points Across peak:17



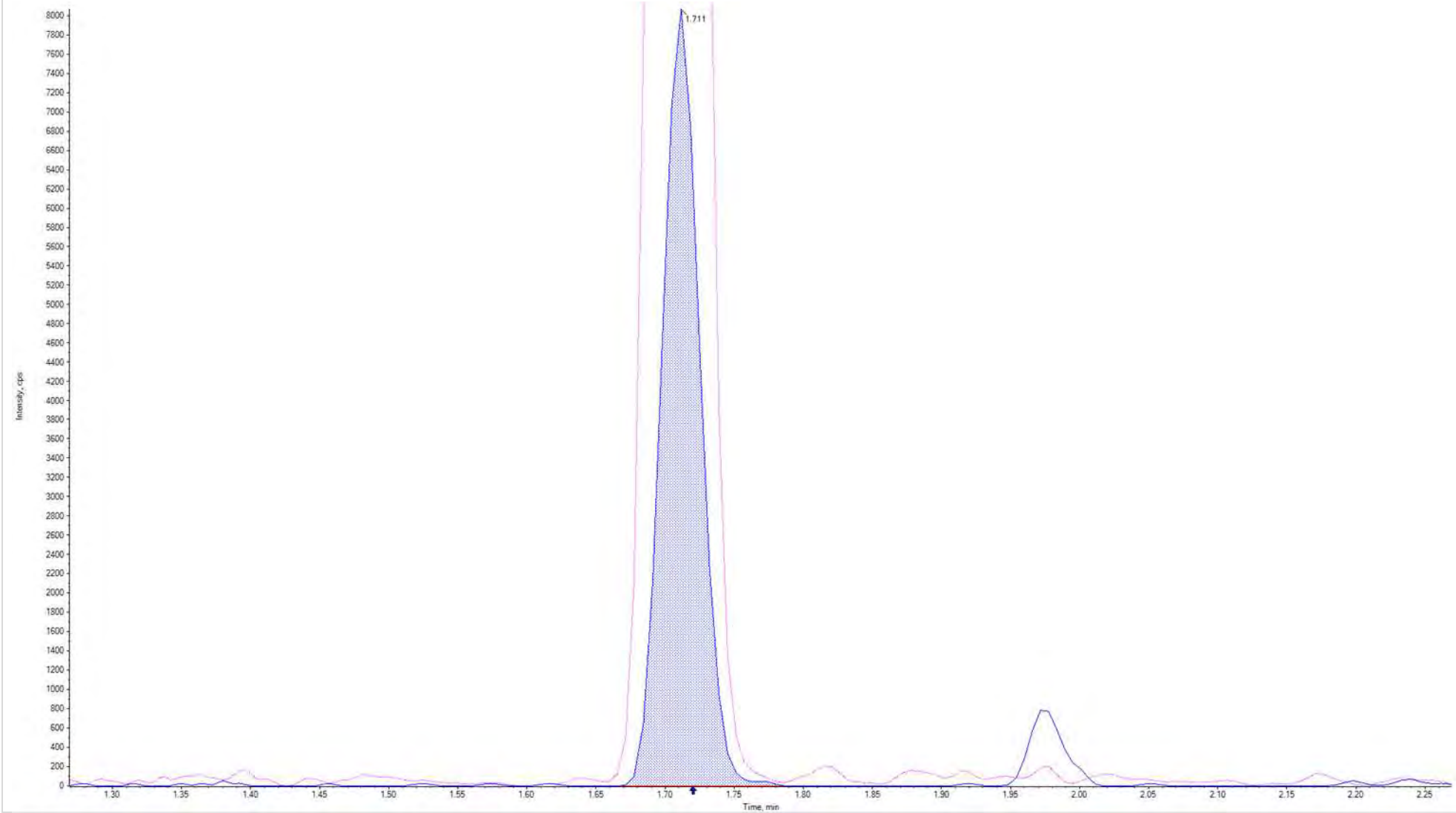
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

4:2FTS
Sample: IA1633STD-.2 S/N:487.4 Points Across peak:20



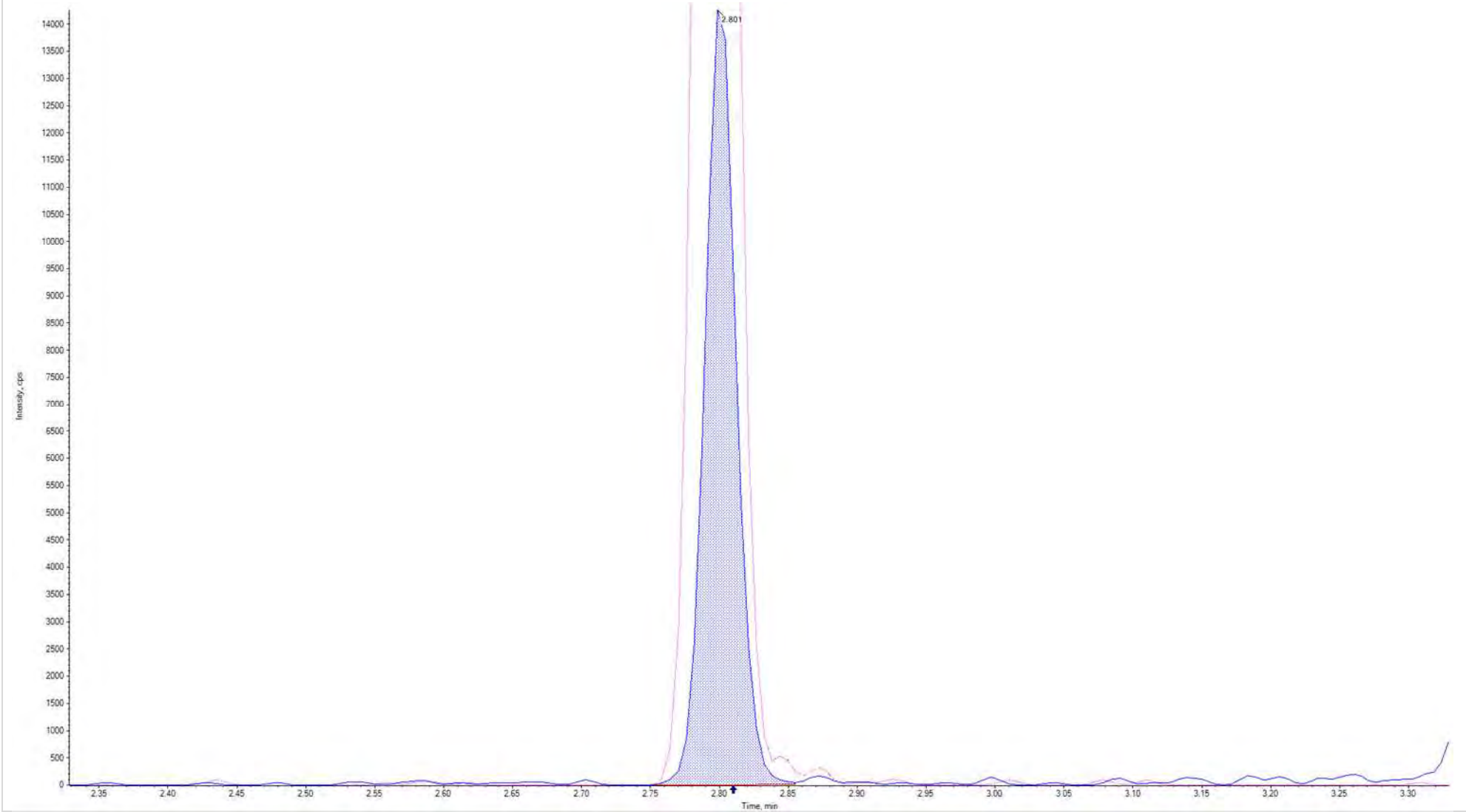
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

4:2FTS_2
Sample: IA1633STD-.2 S/N:303.3 Points Across peak:28



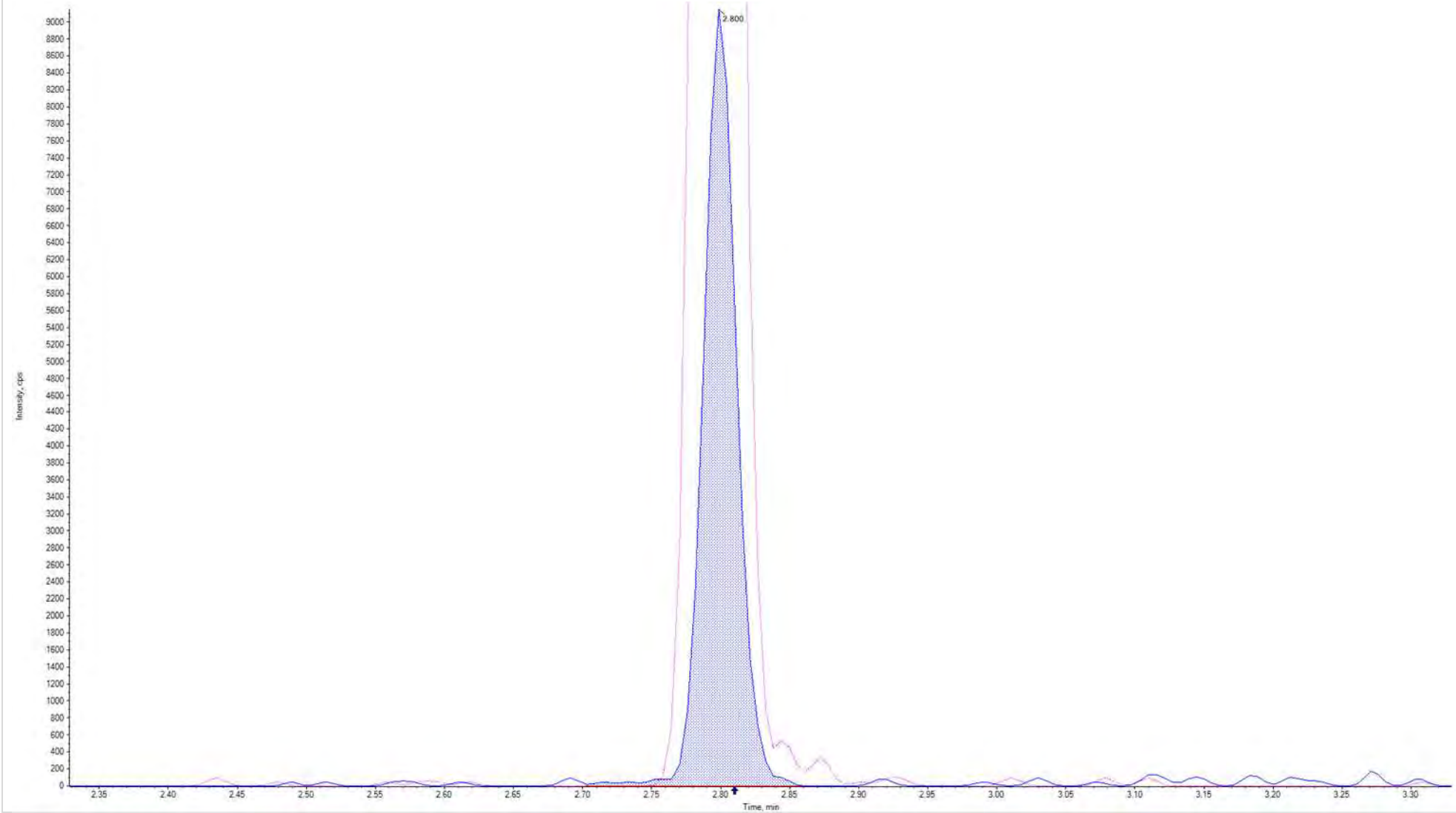
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

6:2FTS
Sample: IA1633STD-.2 S/N:286.0 Points Across peak:21



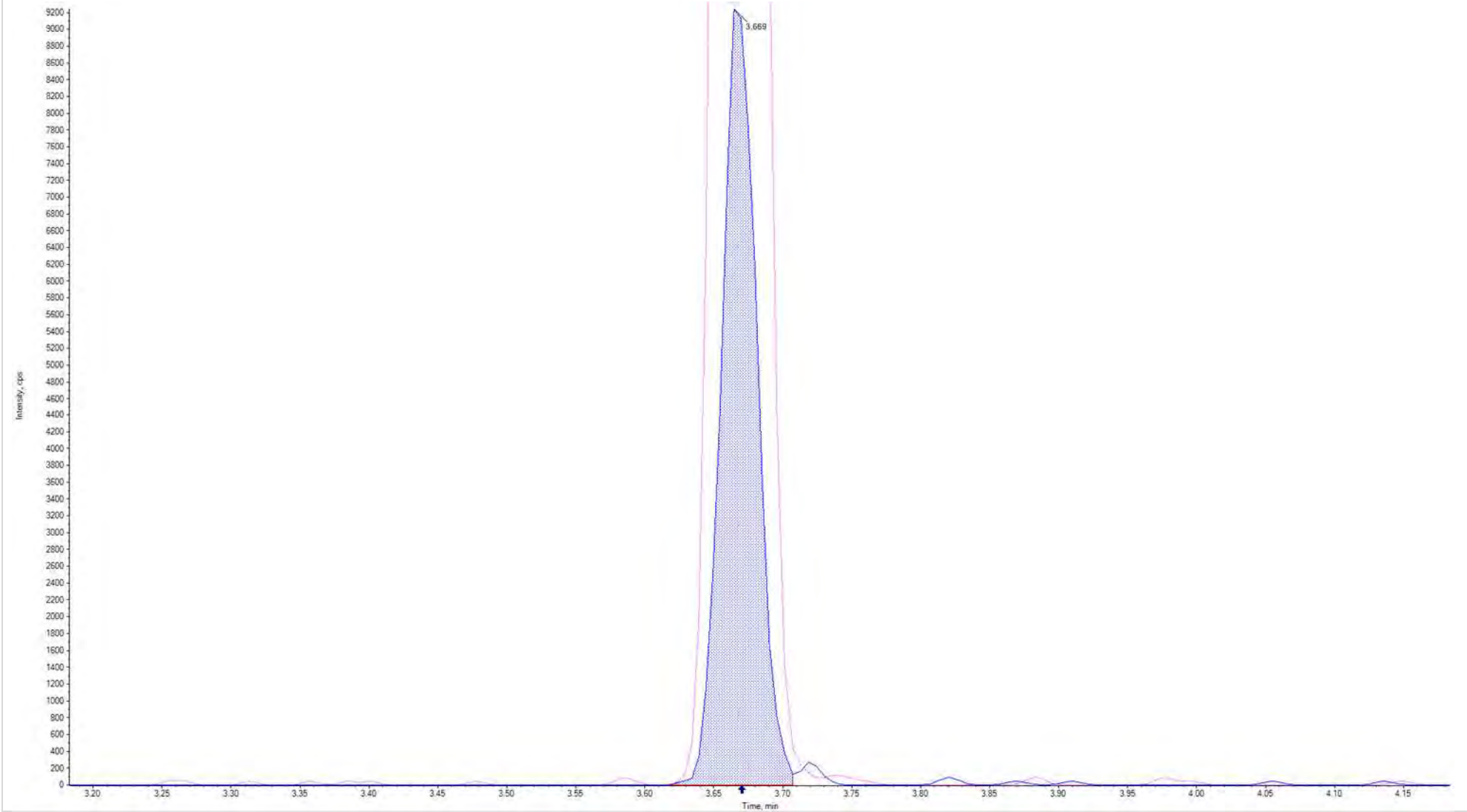
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

6:2FTS_2
Sample: IA1633STD-.2 S/N:183.5 Points Across peak:31



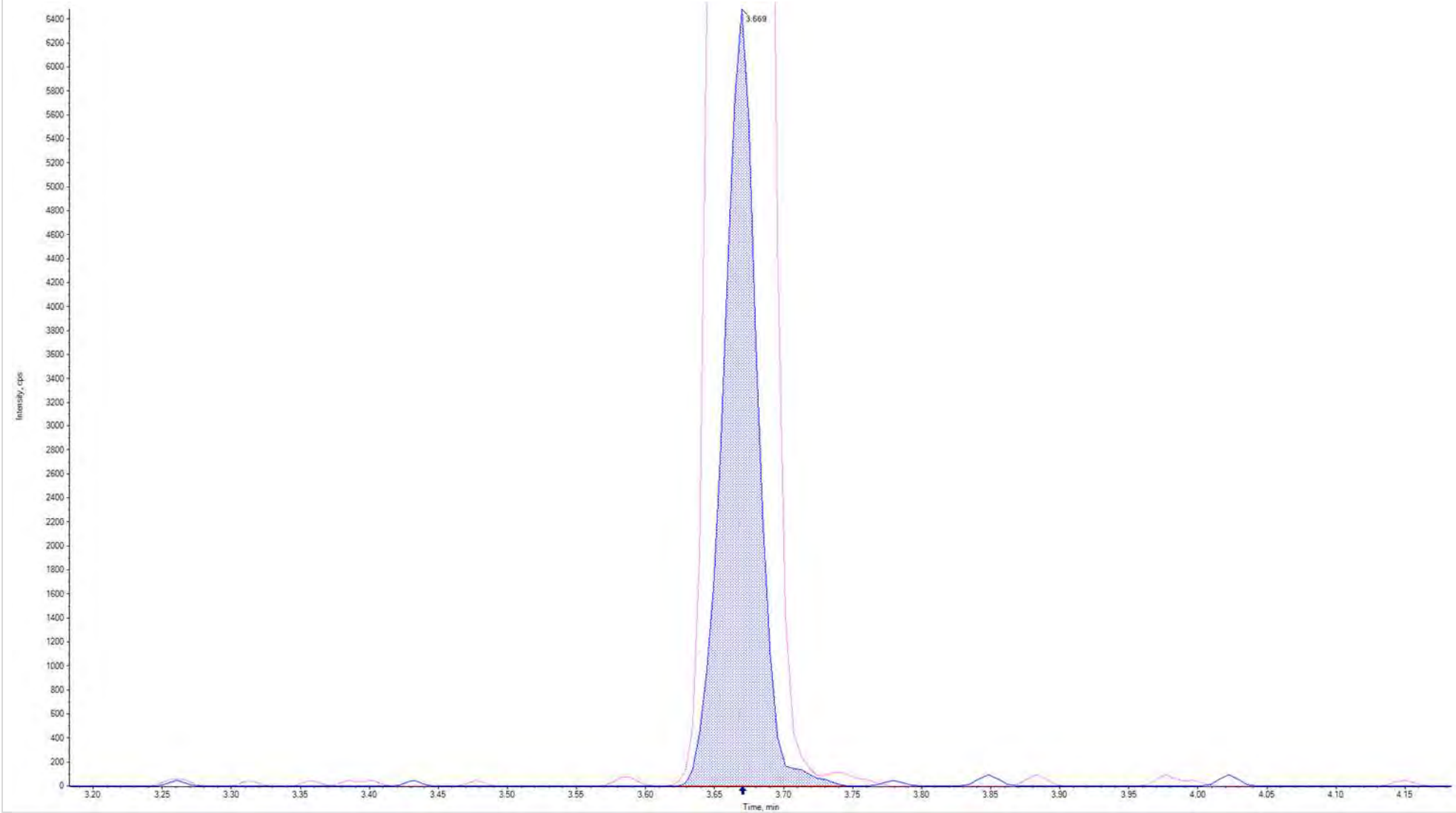
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

8:2FTS
Sample: IA1633STD-.2 S/N:185.3 Points Across peak:24



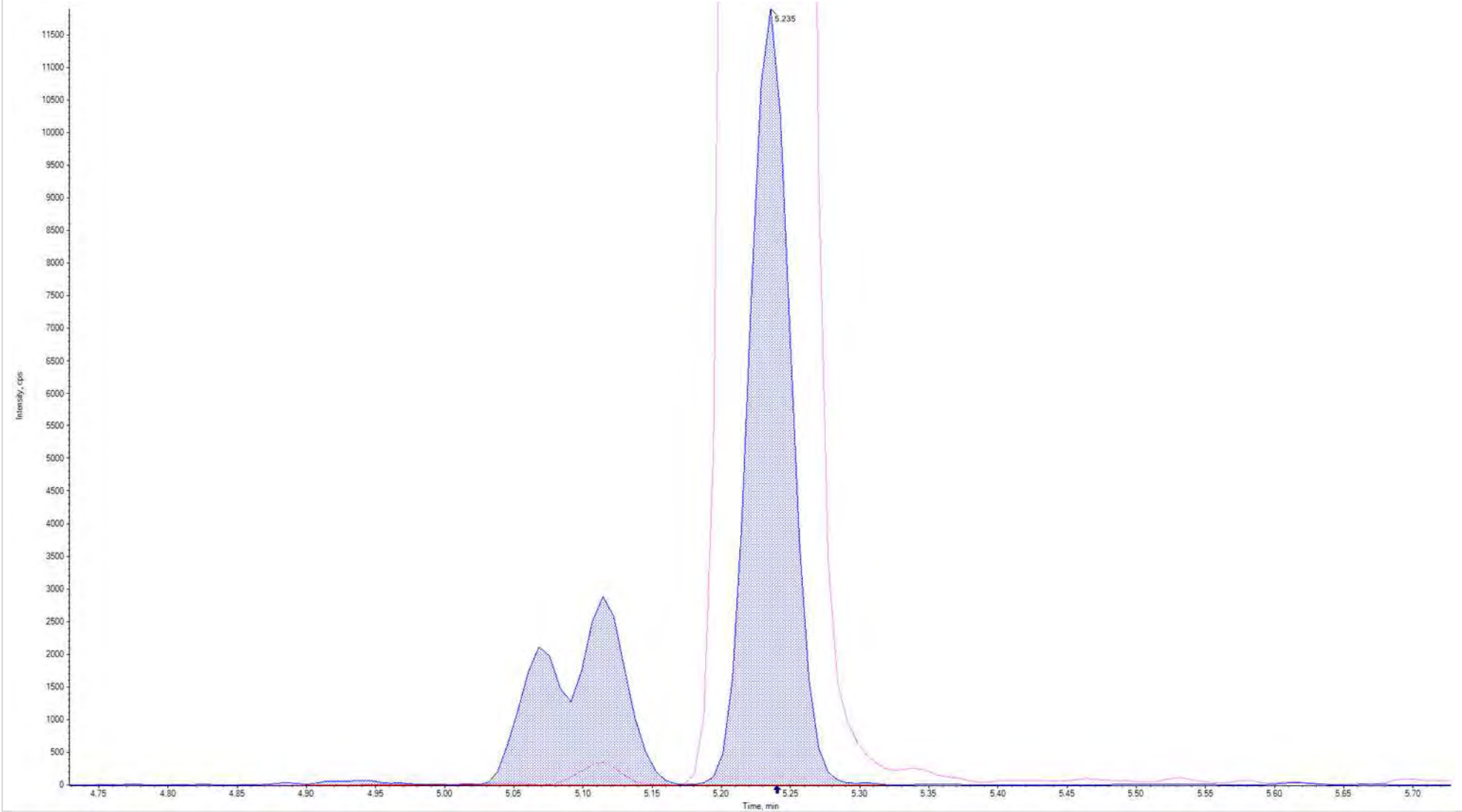
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

8:2FTS_2
Sample: IA1633STD-.2 S/N:130.0 Points Across peak:30



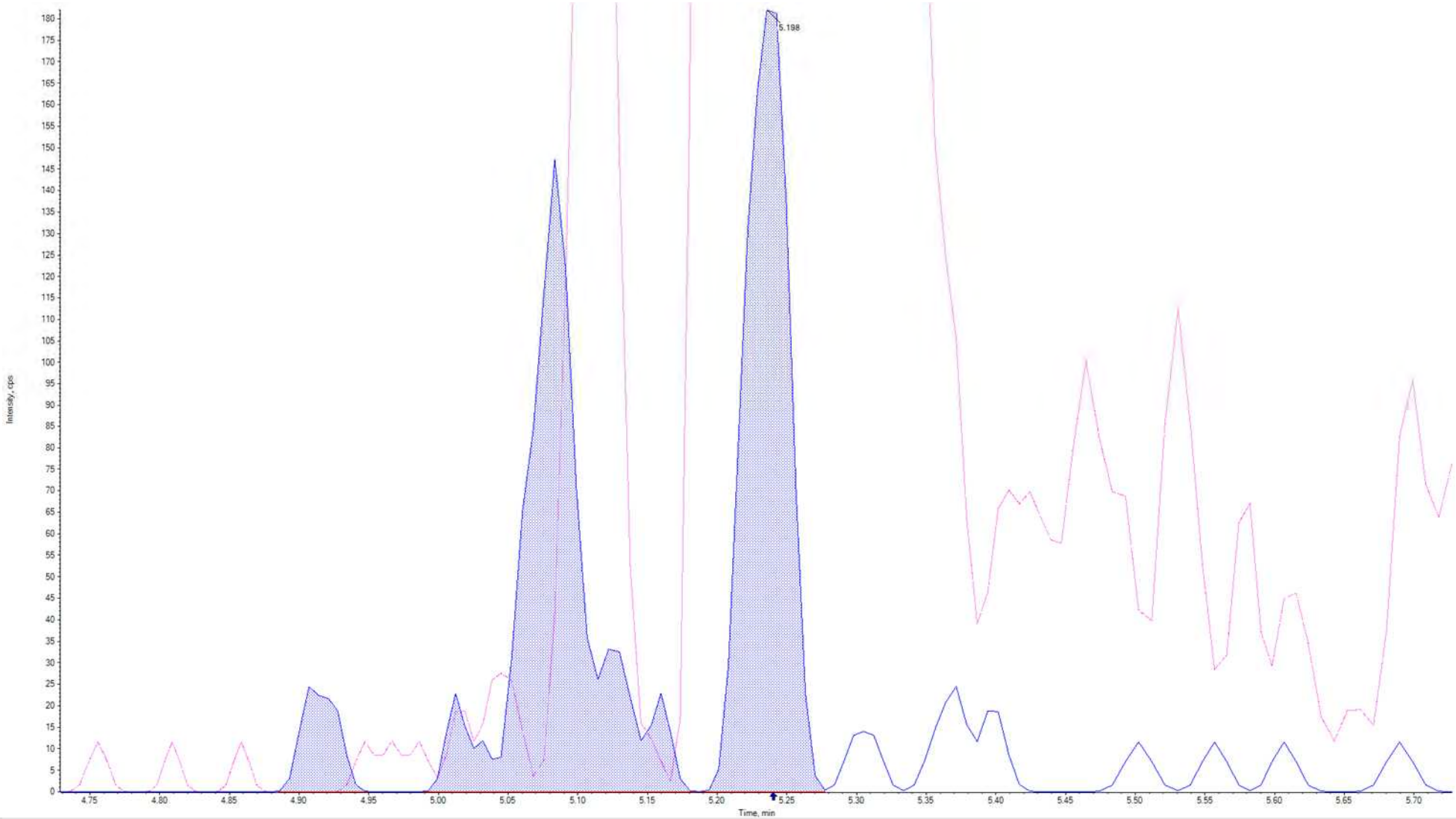
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOSA
Sample: IA1633STD-.2 S/N:390.9 Points Across peak:63



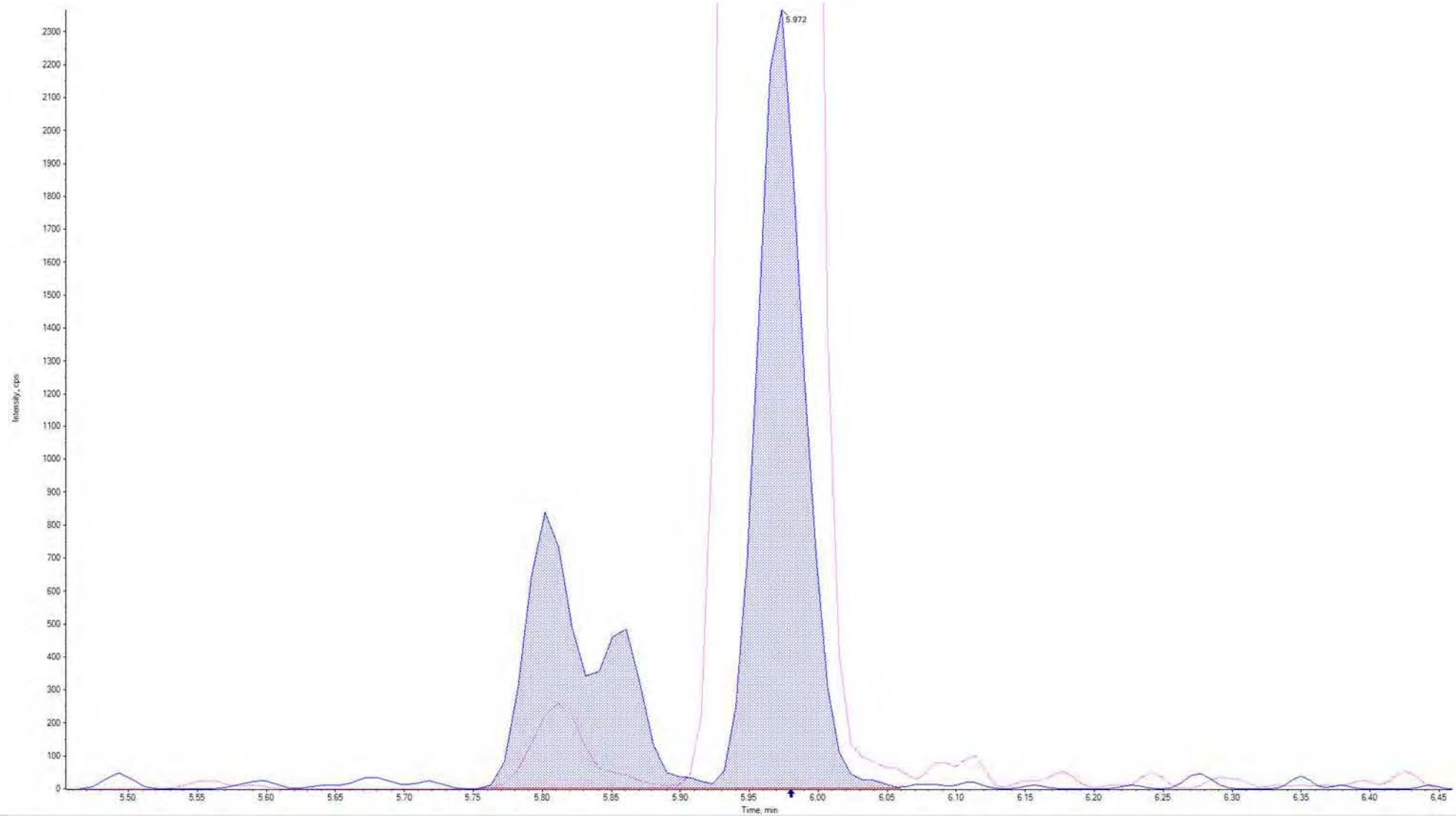
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOSA_2
Sample: IA1633STD-.2 S/N:16.0 Points Across peak:59



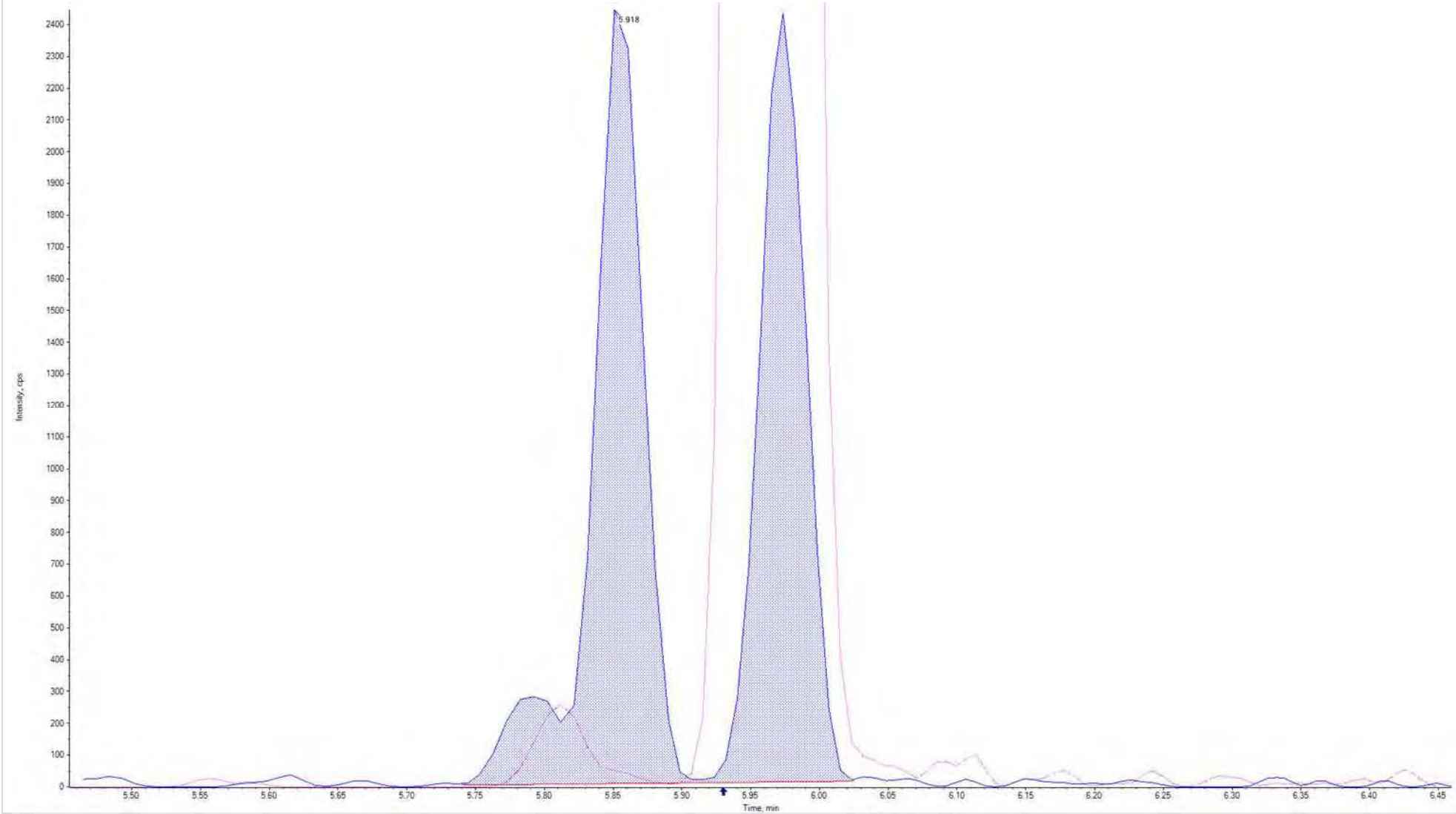
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSA
Sample: IA1633STD-.2 S/N:140.8 Points Across peak:36



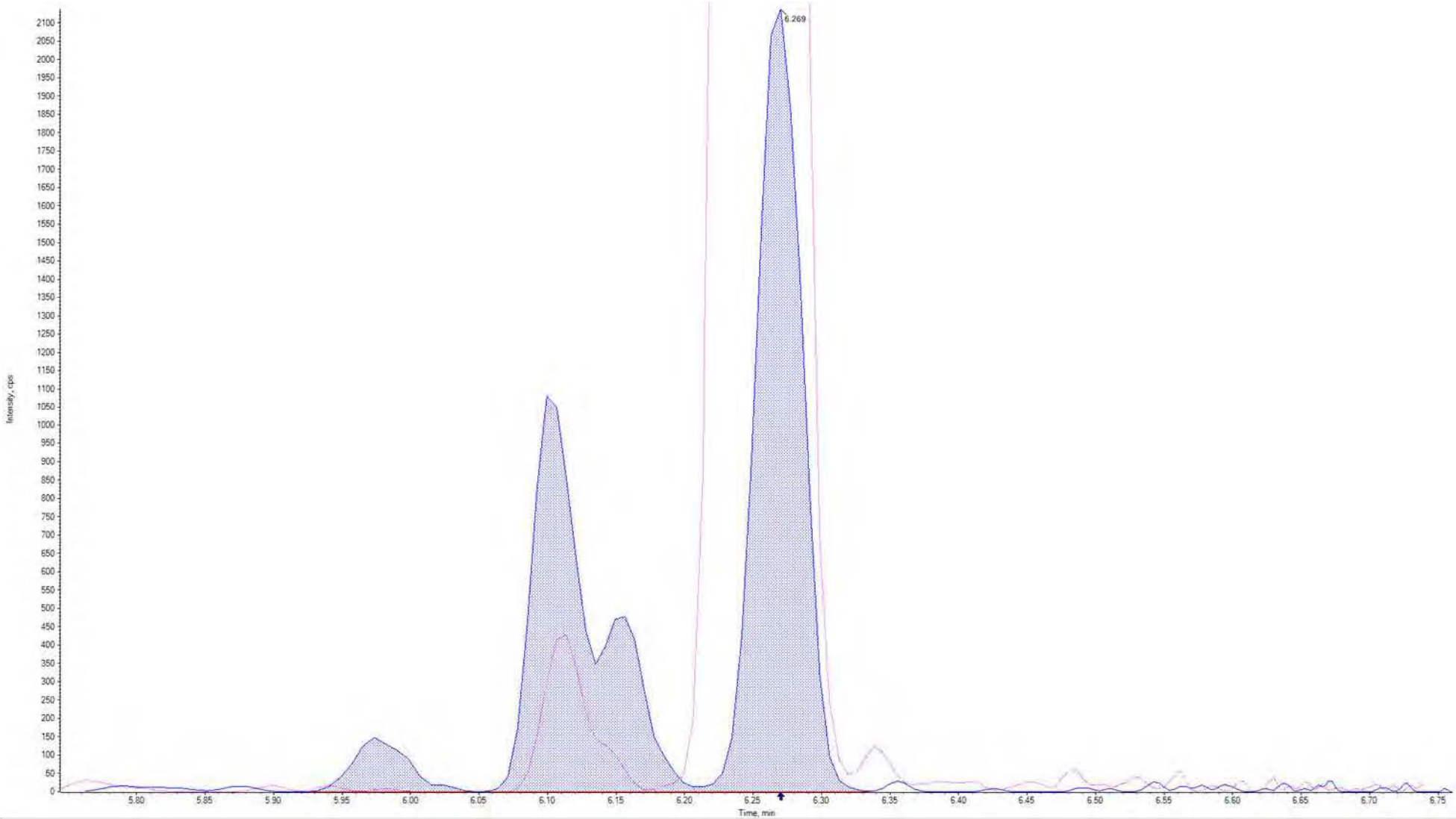
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSA_2
Sample: IA1633STD-.2 S/N:140.6 Points Across peak:34



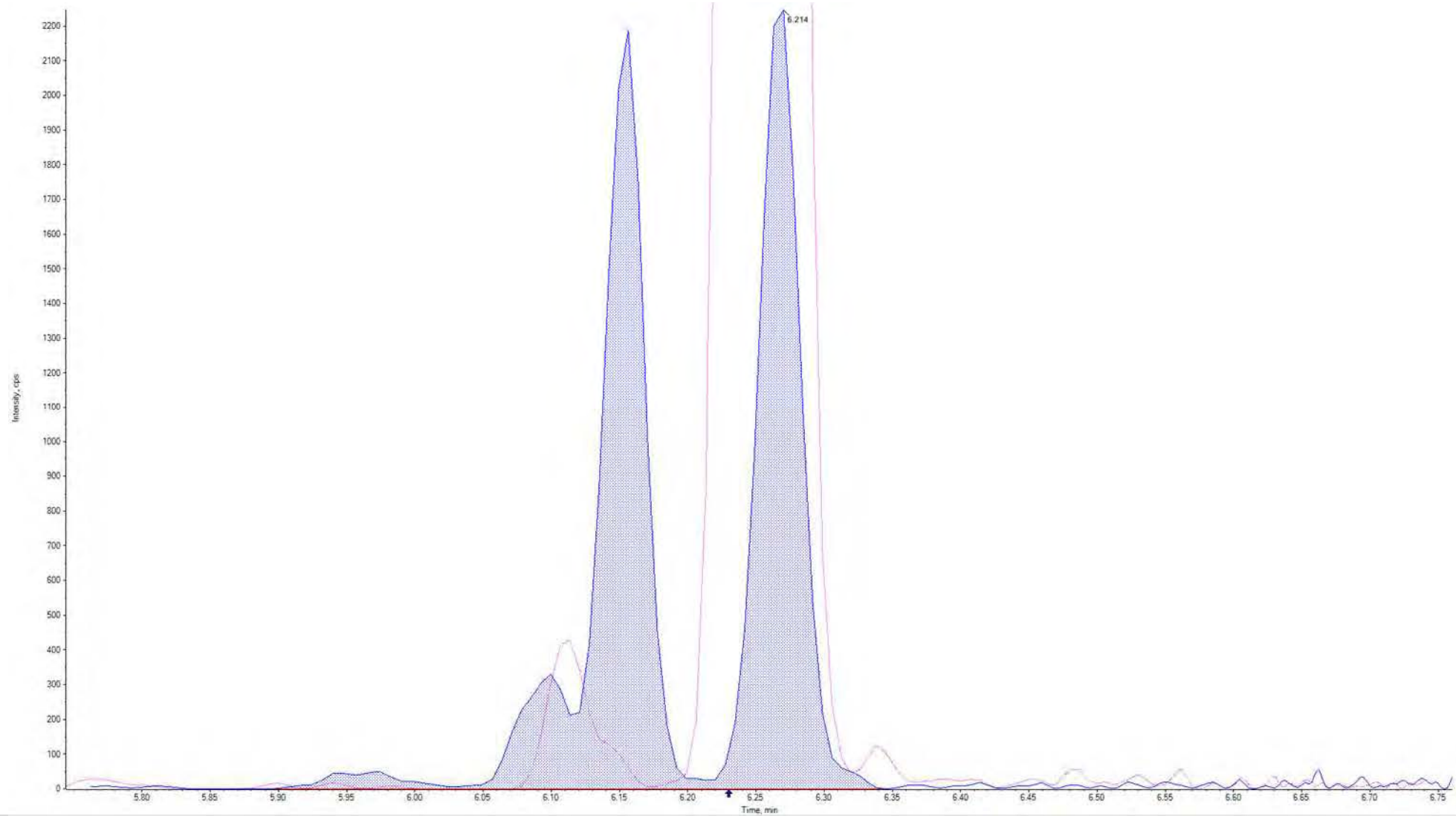
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSA
Sample: IA1633STD-.2 S/N:230.4 Points Across peak:58



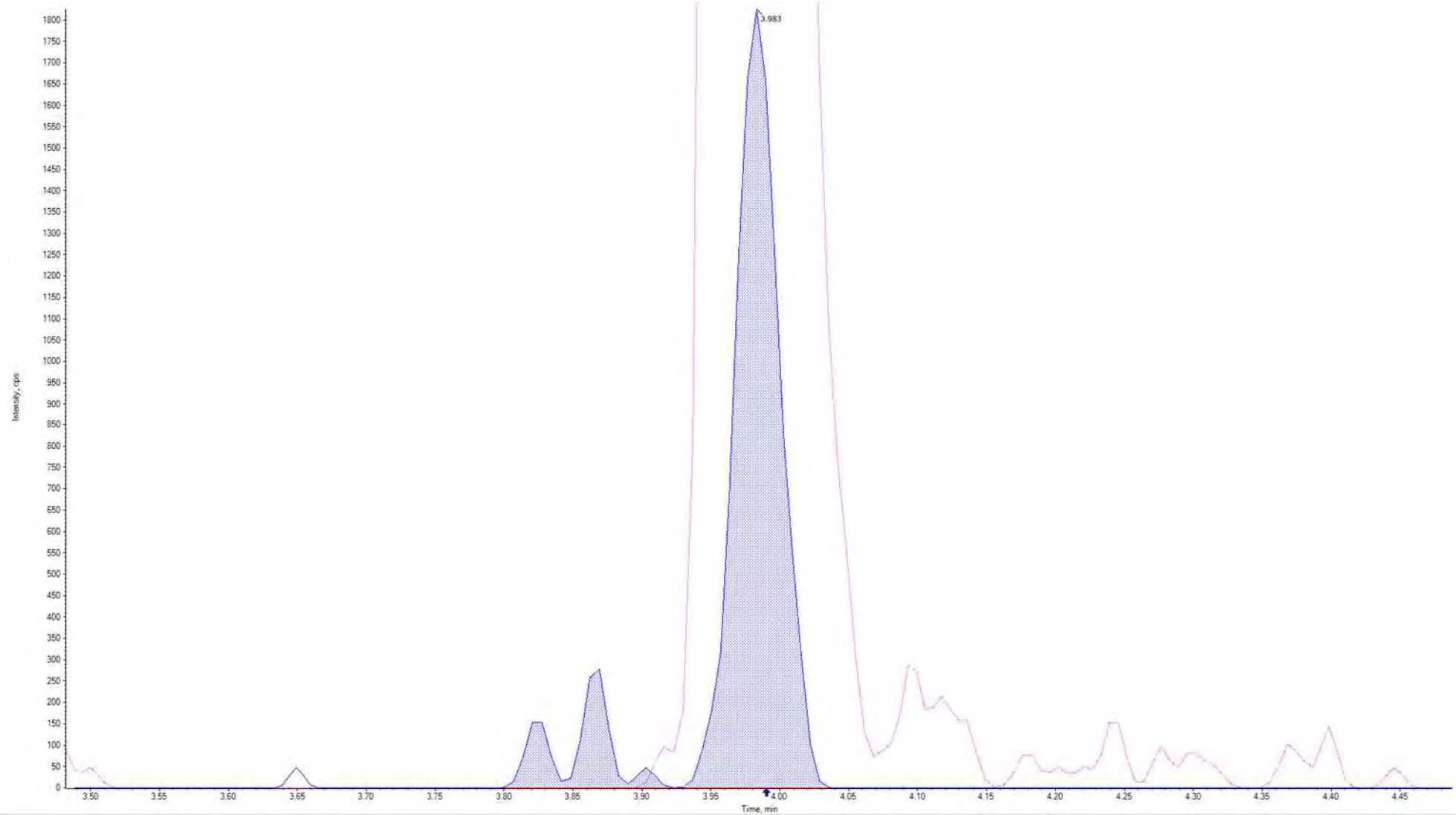
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSA_2
Sample: IA1633STD-.2 S/N:202.2 Points Across peak:63



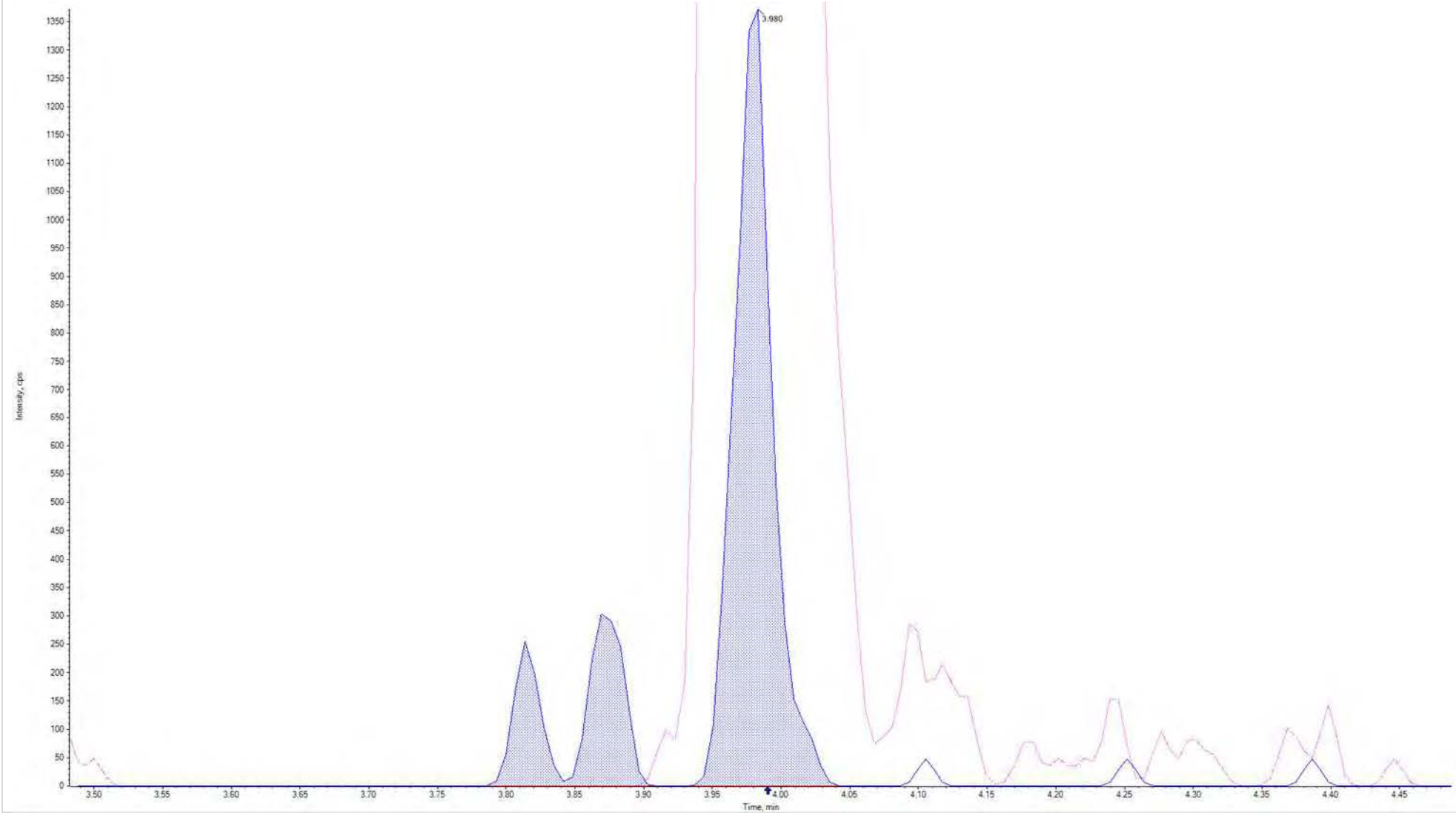
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSAA
Sample: IA1633STD-.2 S/N:36.6 Points Across peak:46



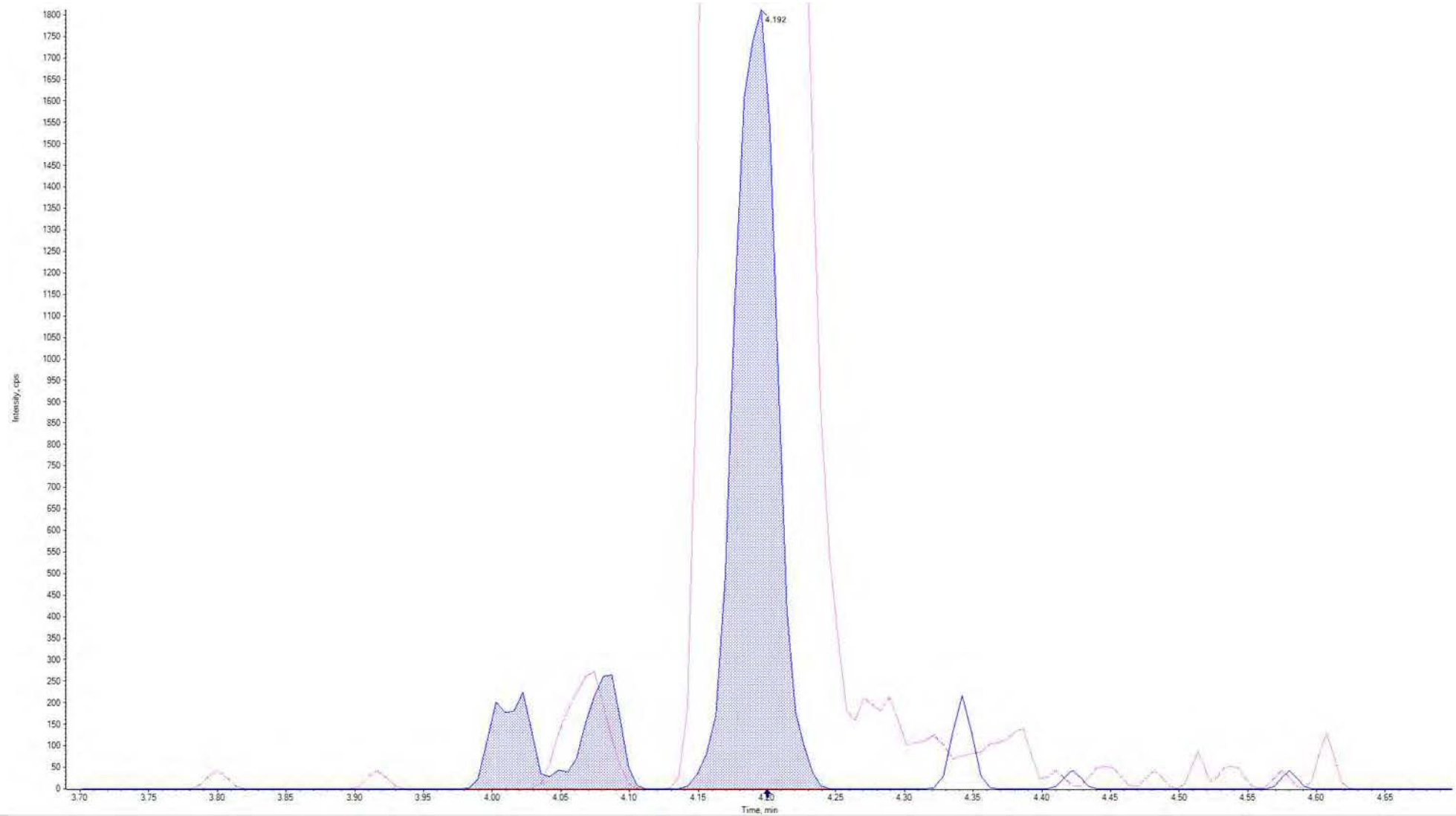
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSAA_2
Sample: IA1633STD-.2 S/N:27.5 Points Across peak:41



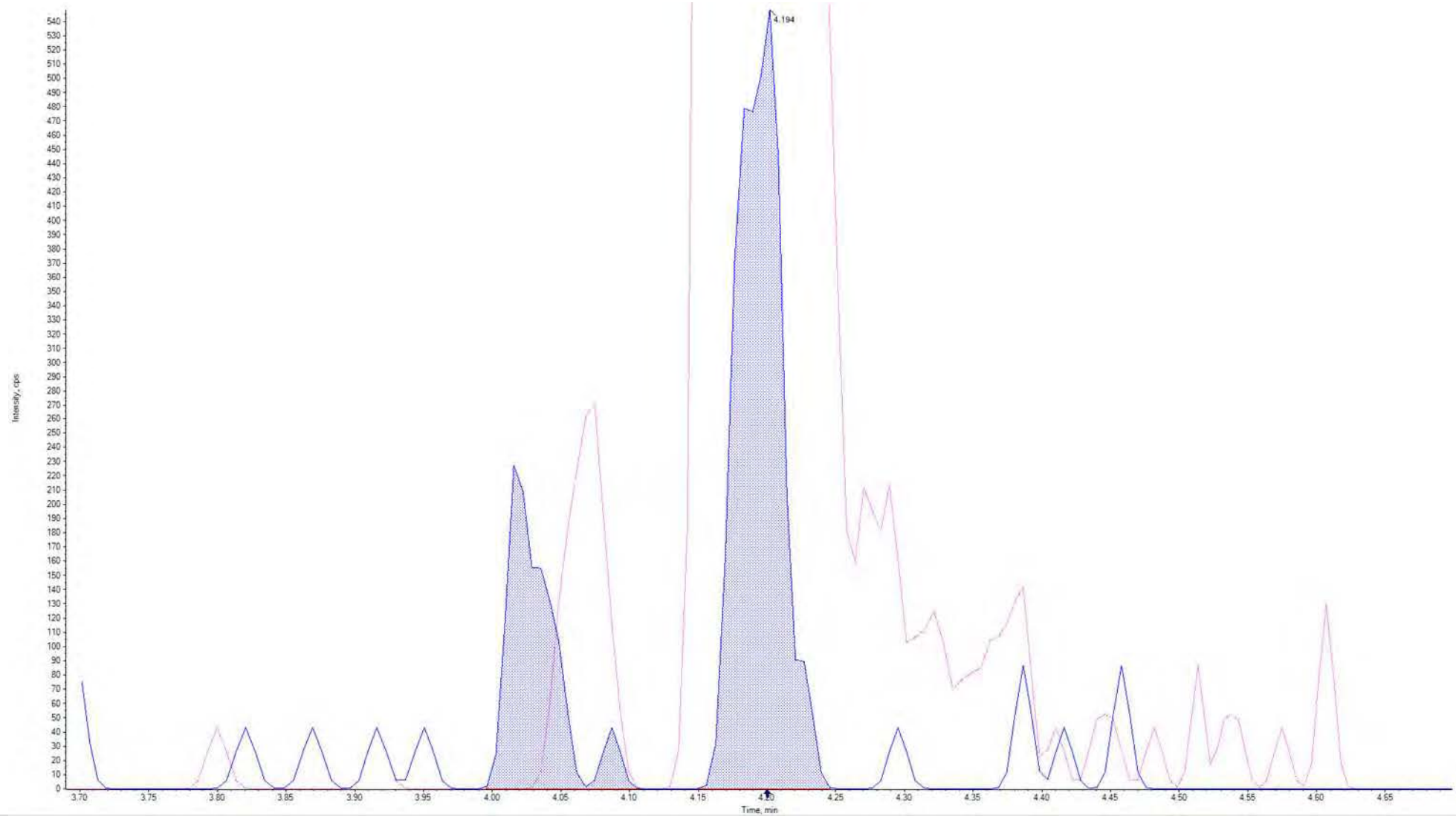
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSAA
Sample: IA1633STD-.2 S/N:40.9 Points Across peak:45



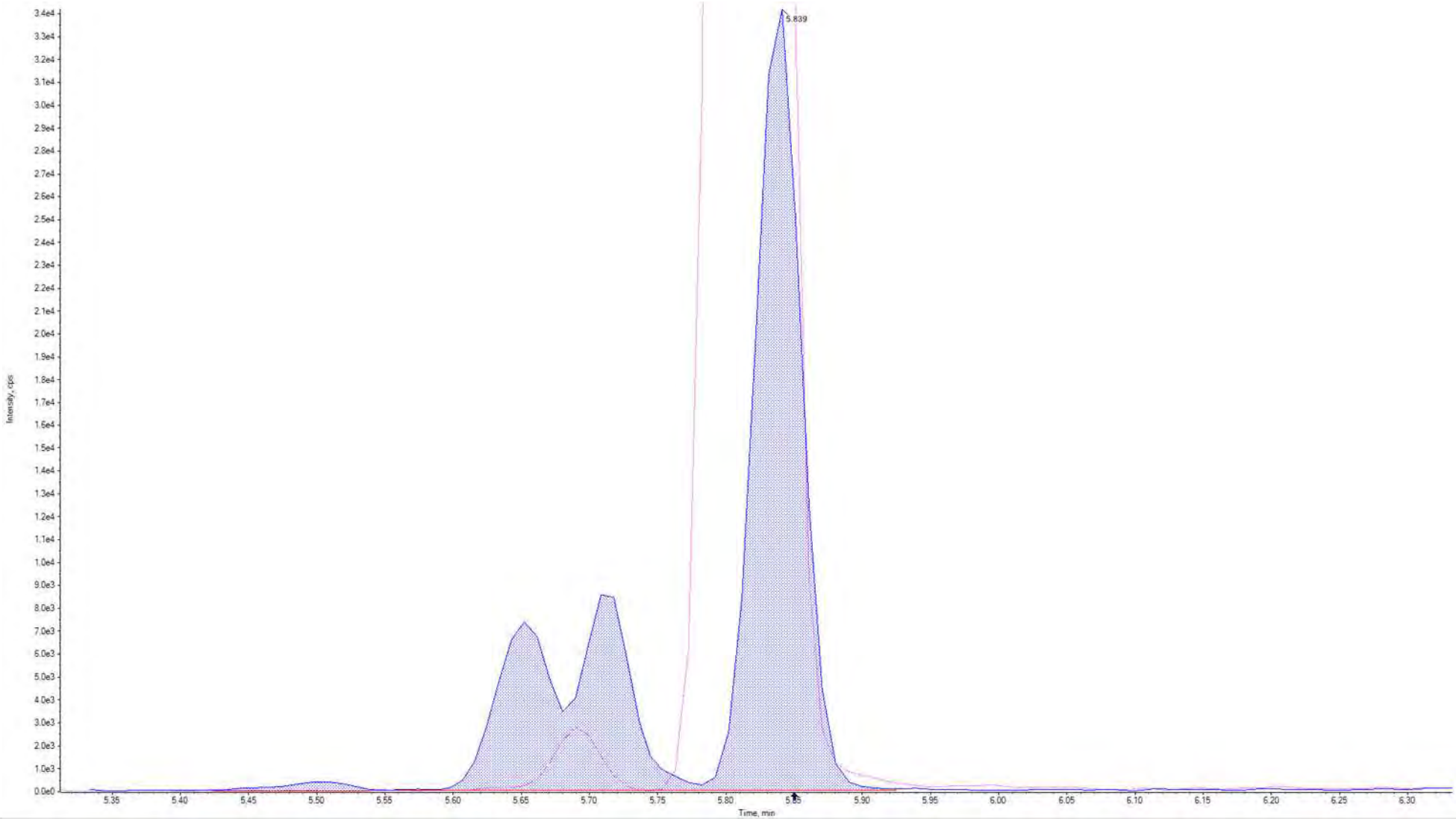
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSAA_2
Sample: IA1633STD-.2 S/N:12.4 Points Across peak:42



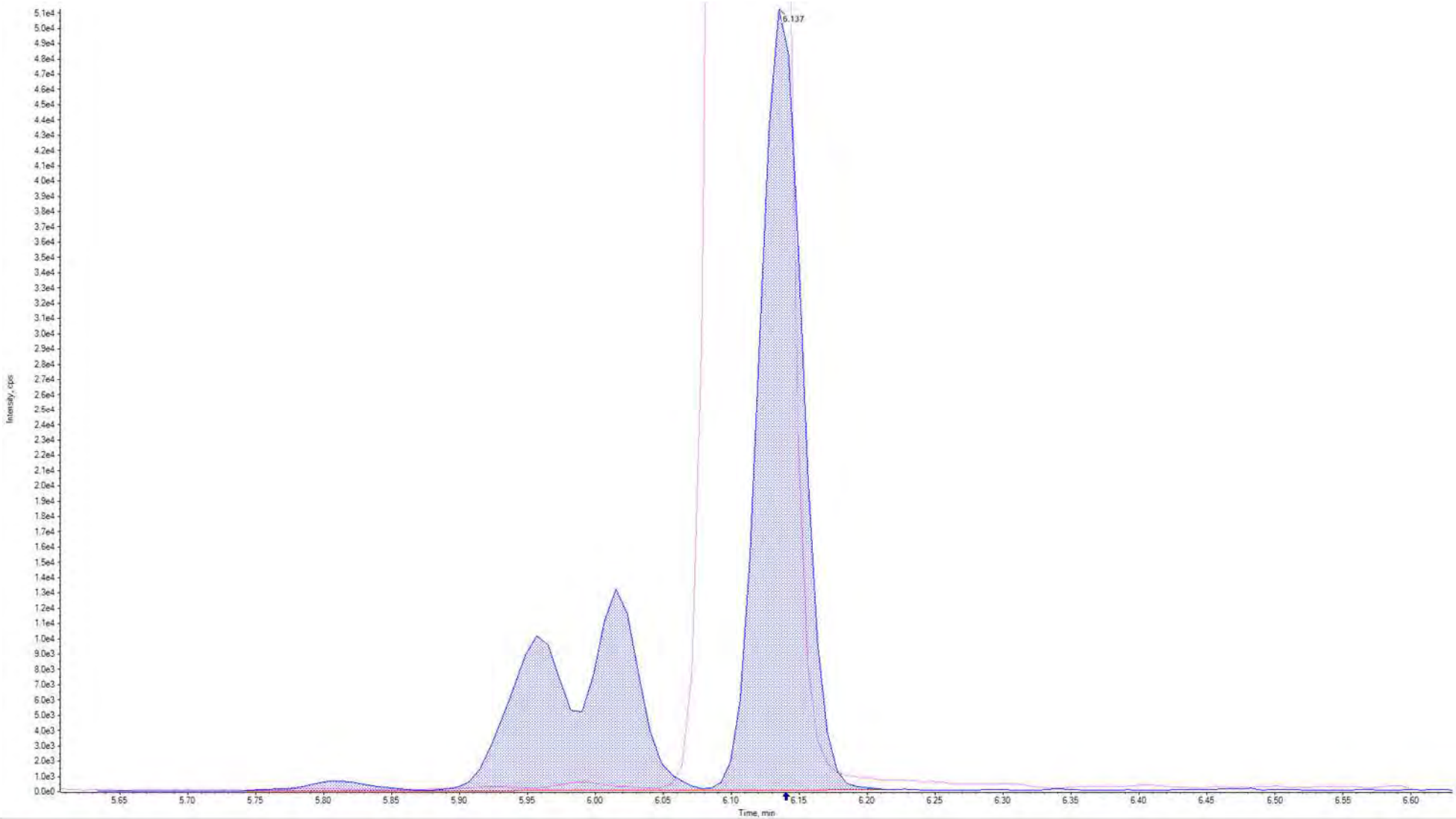
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSE
Sample: IA1633STD-.2 S/N:217.6 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\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSE
Sample: IA1633STD-.2 S/N:344.4 Points Across peak:61



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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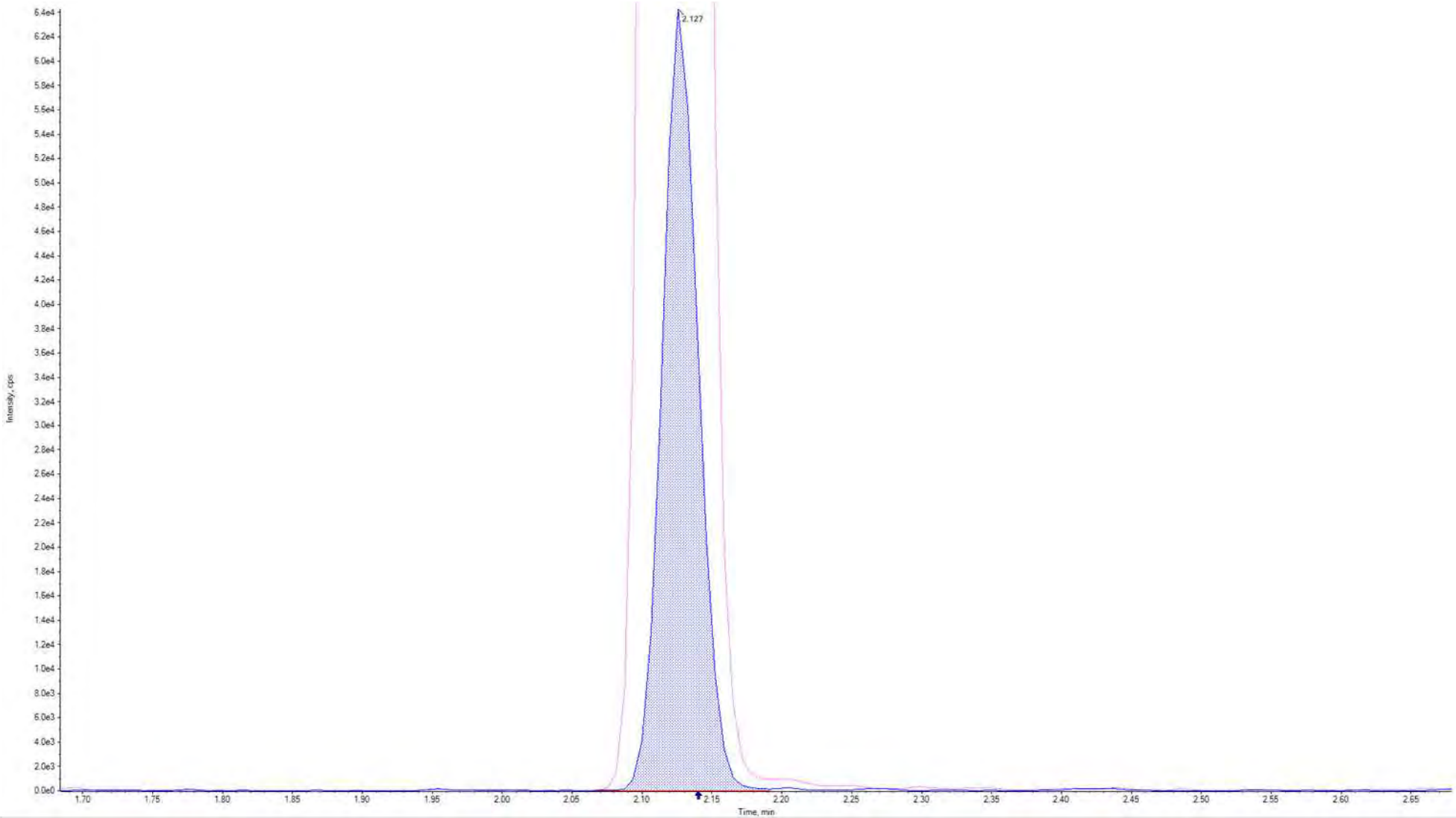
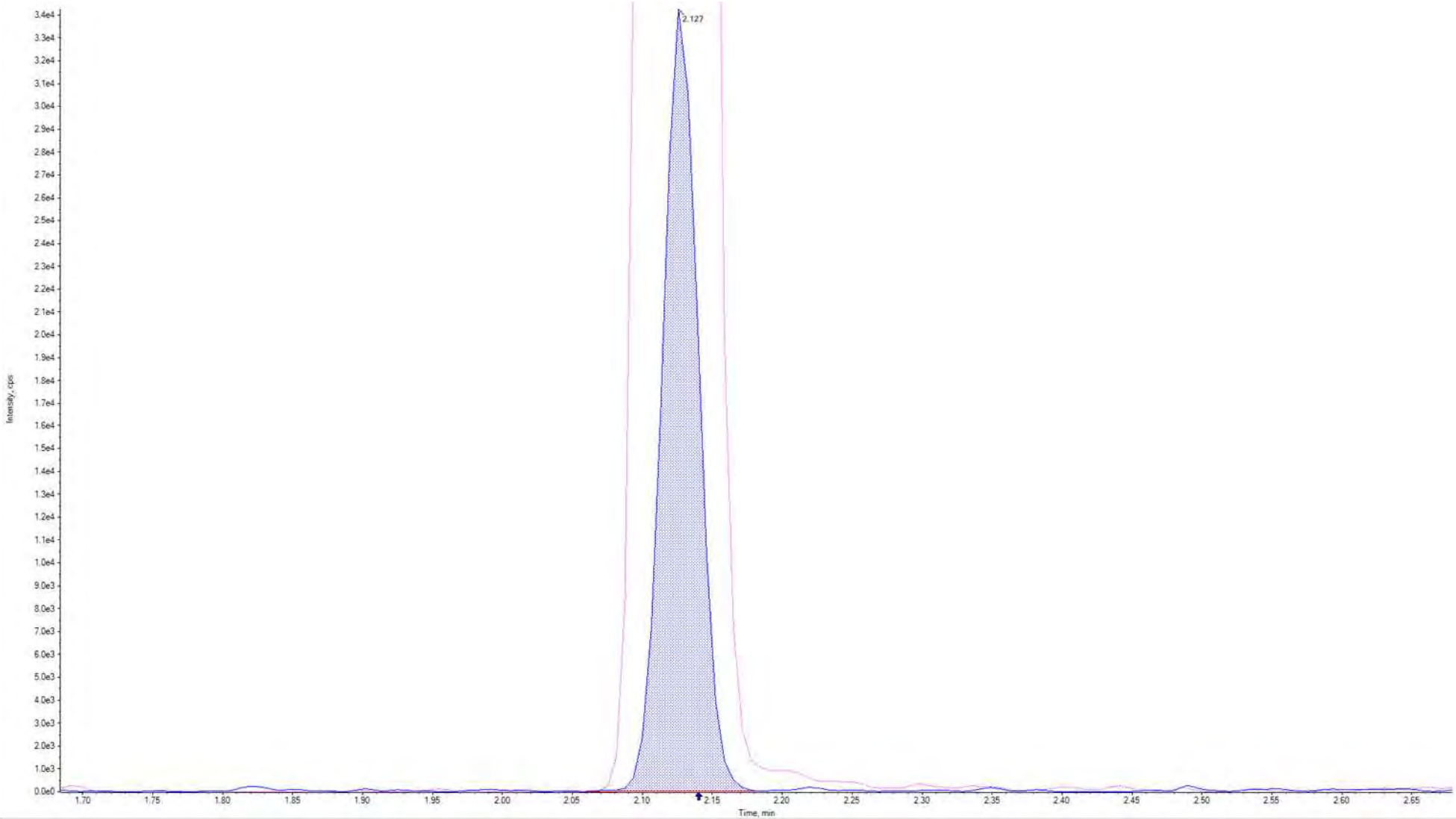
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

HFPO-DA
Sample: IA1633STD-.2 S/N:1449.6 Points Across peak:22



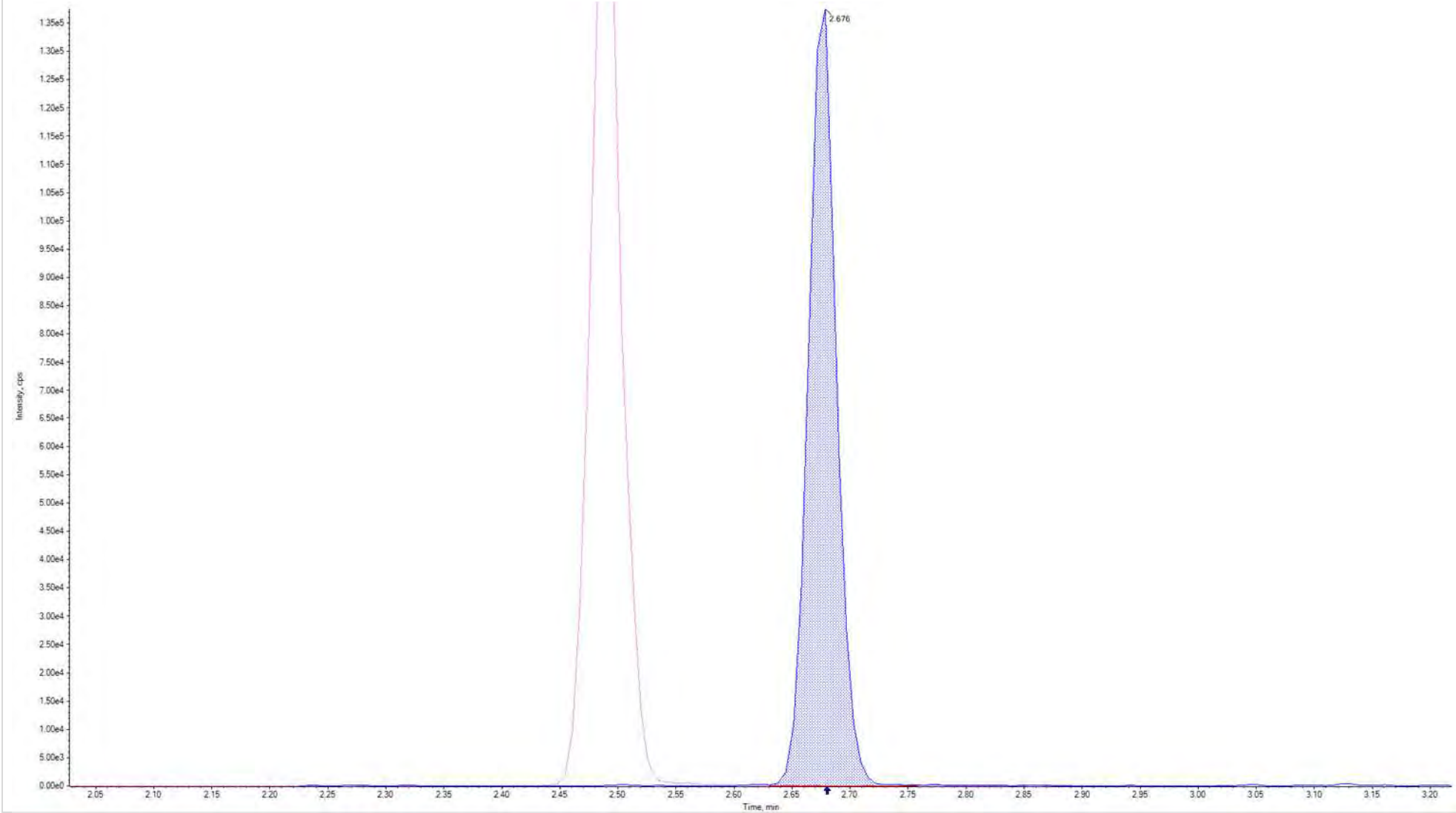
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

HFPO-DA_2
Sample: IA1633STD-.2 S/N:772.2 Points Across peak:21



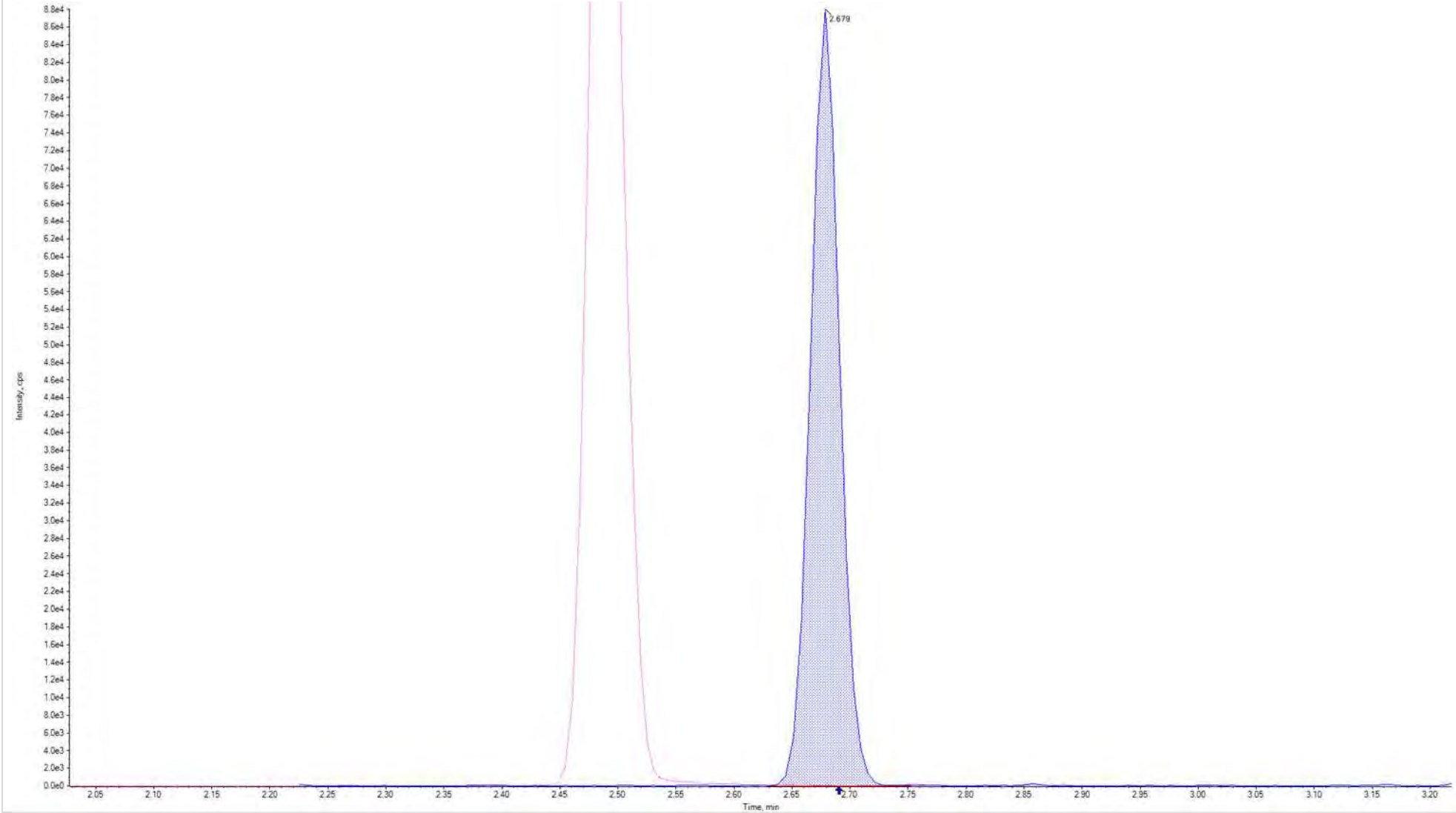
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

ADONA
Sample: IA1633STD-.2 S/N:1907.9 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\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

ADONA_2
Sample: IA1633STD-.2 S/N:1764.7 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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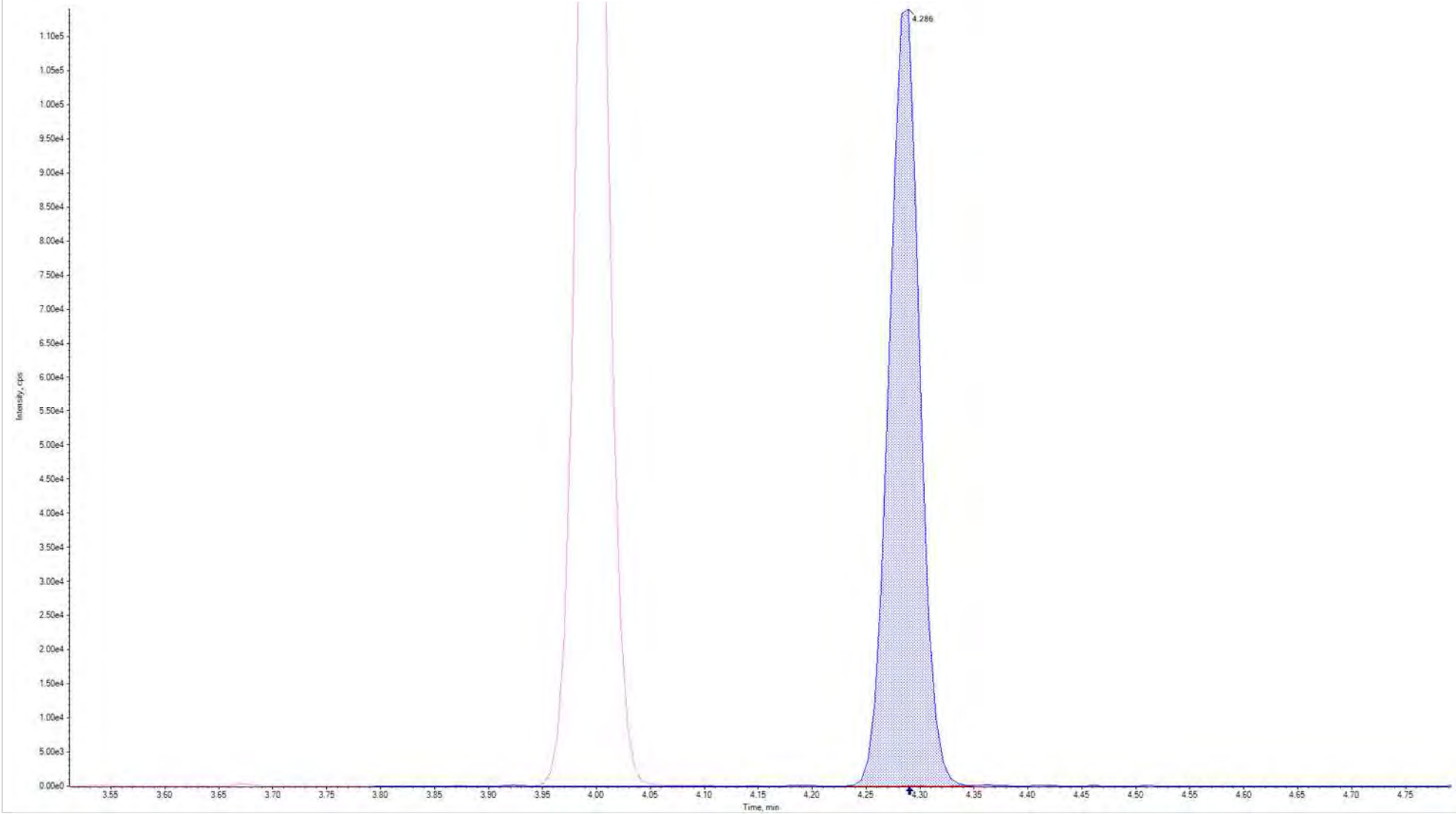
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

9Cl-PF3ONS
Sample: IA1633STD-.2 S/N:2572.0 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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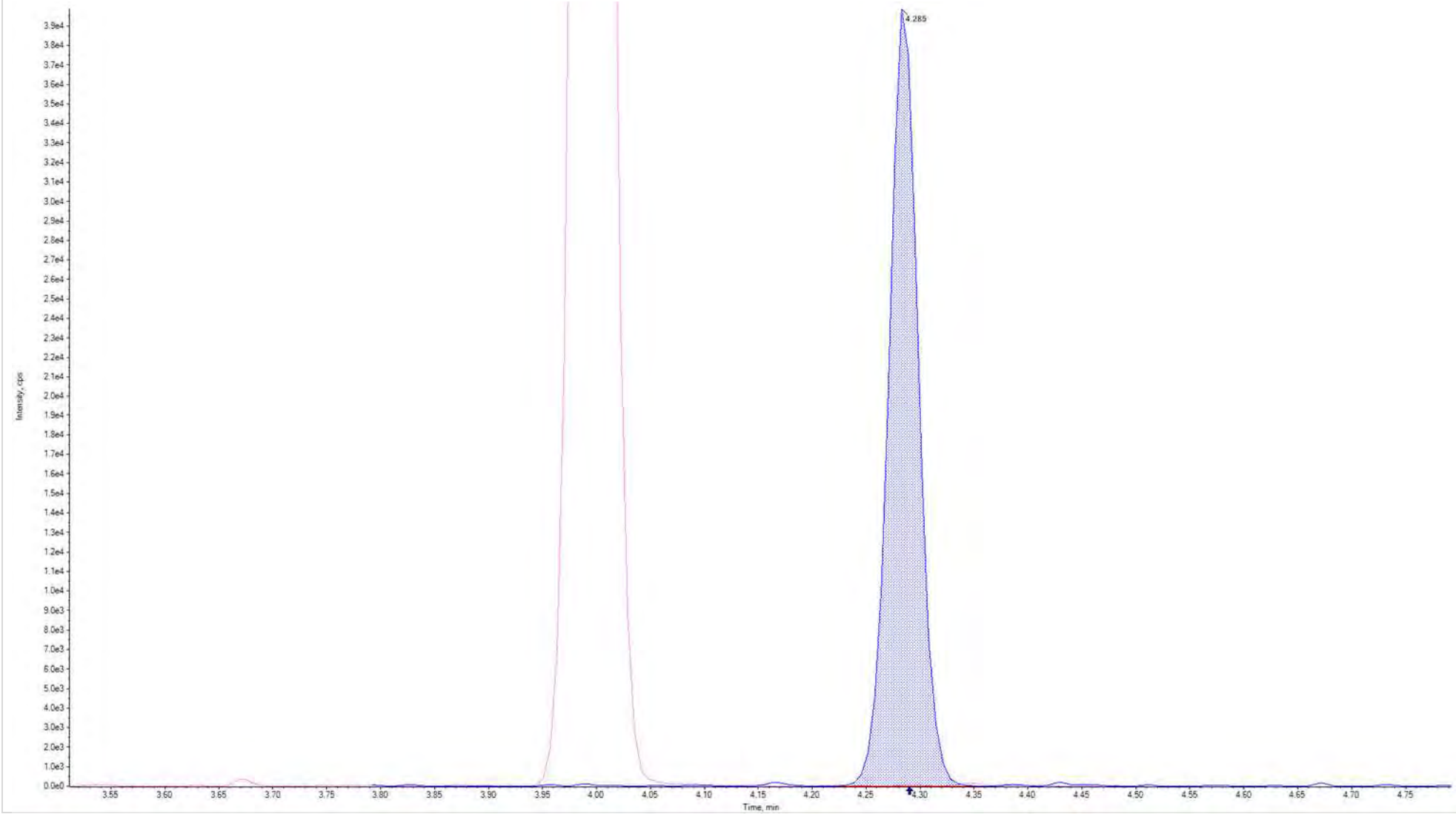
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

9Cl-PF3ONS_2
Sample: IA1633STD-.2 S/N:899.2 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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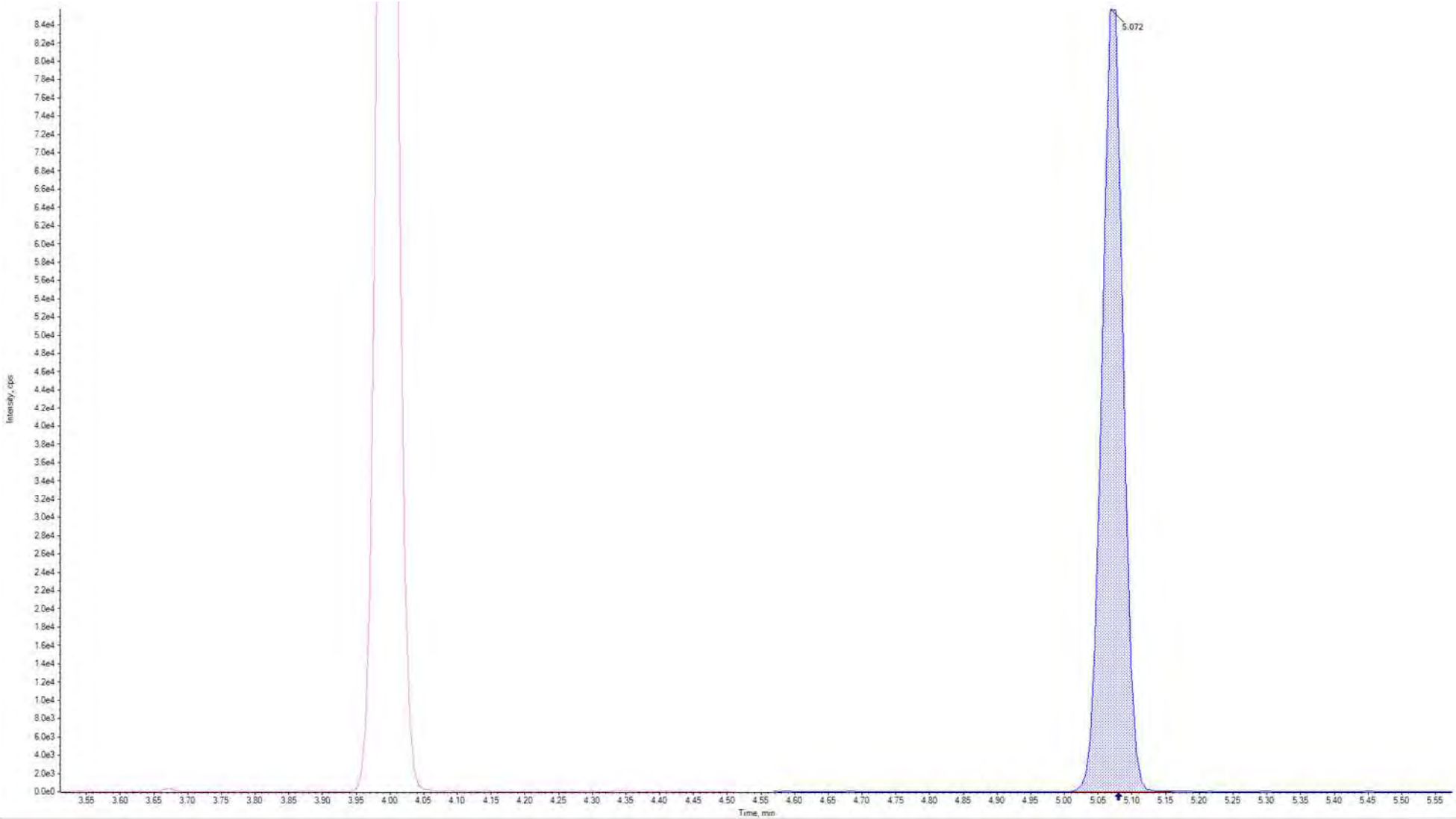
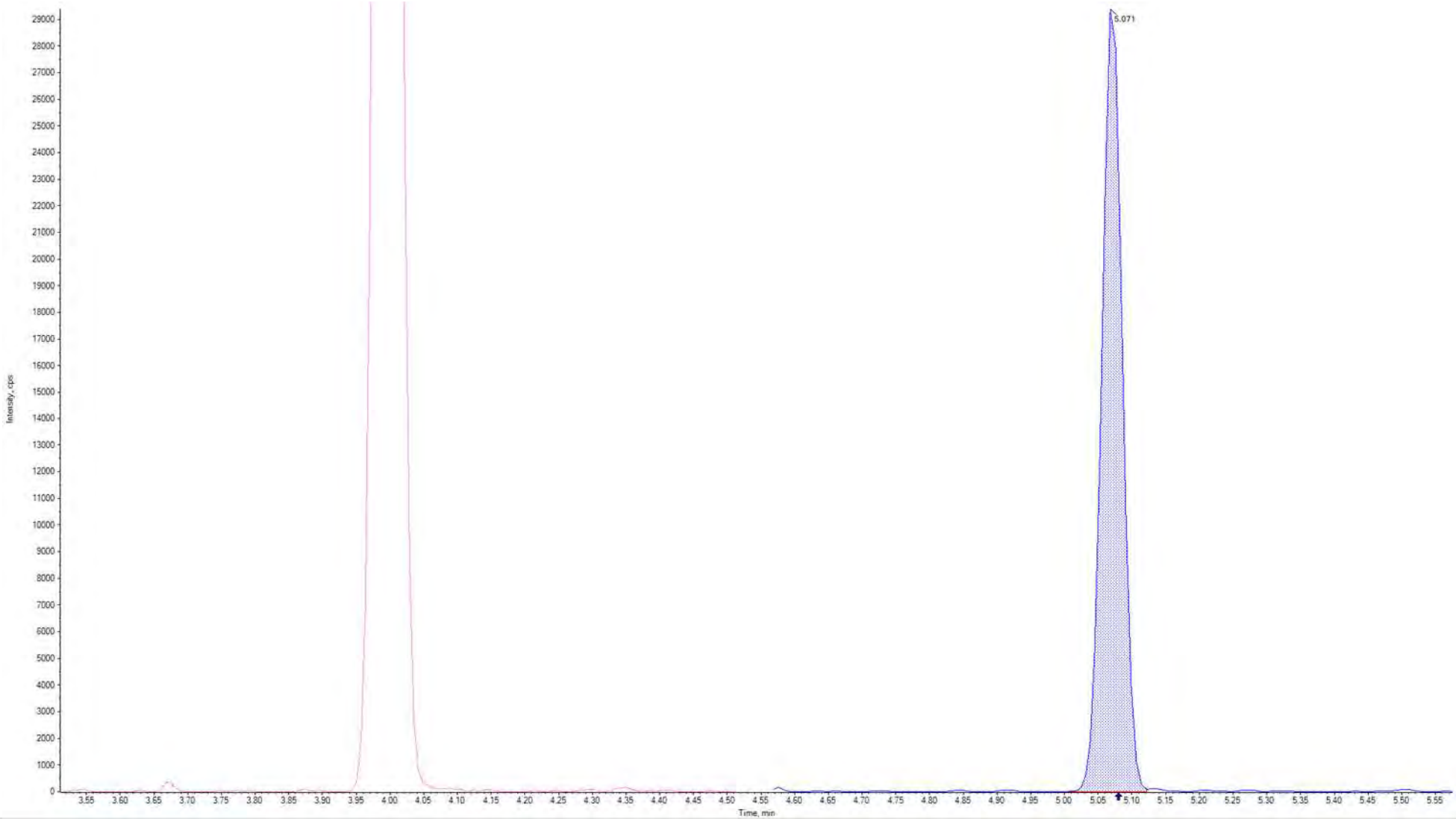
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

11Cl-PF3OUdS
Sample: IA1633STD-.2 S/N:3936.0 Points Across peak:25



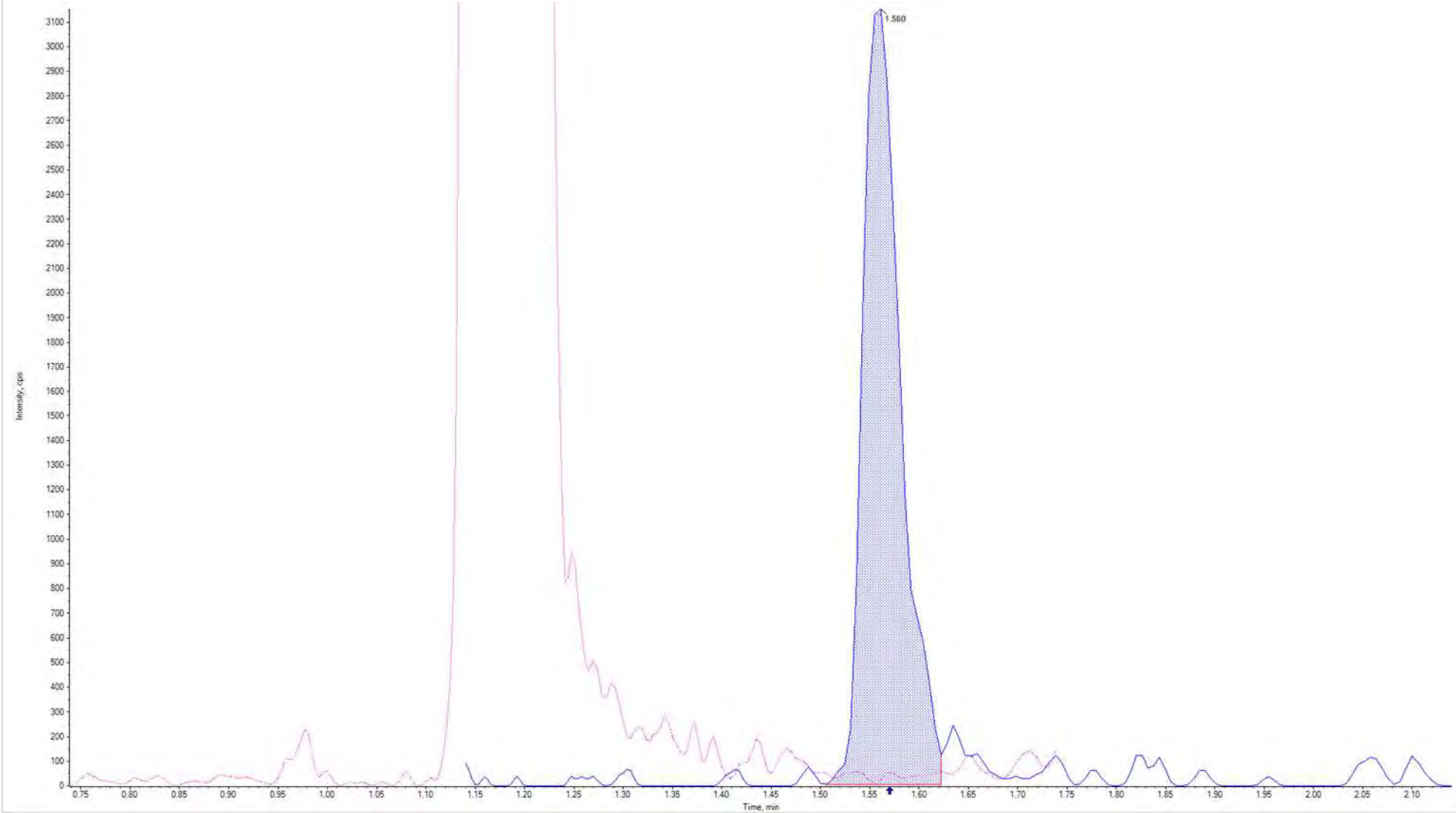
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-.2 S/N:1399.6 Points Across peak:20



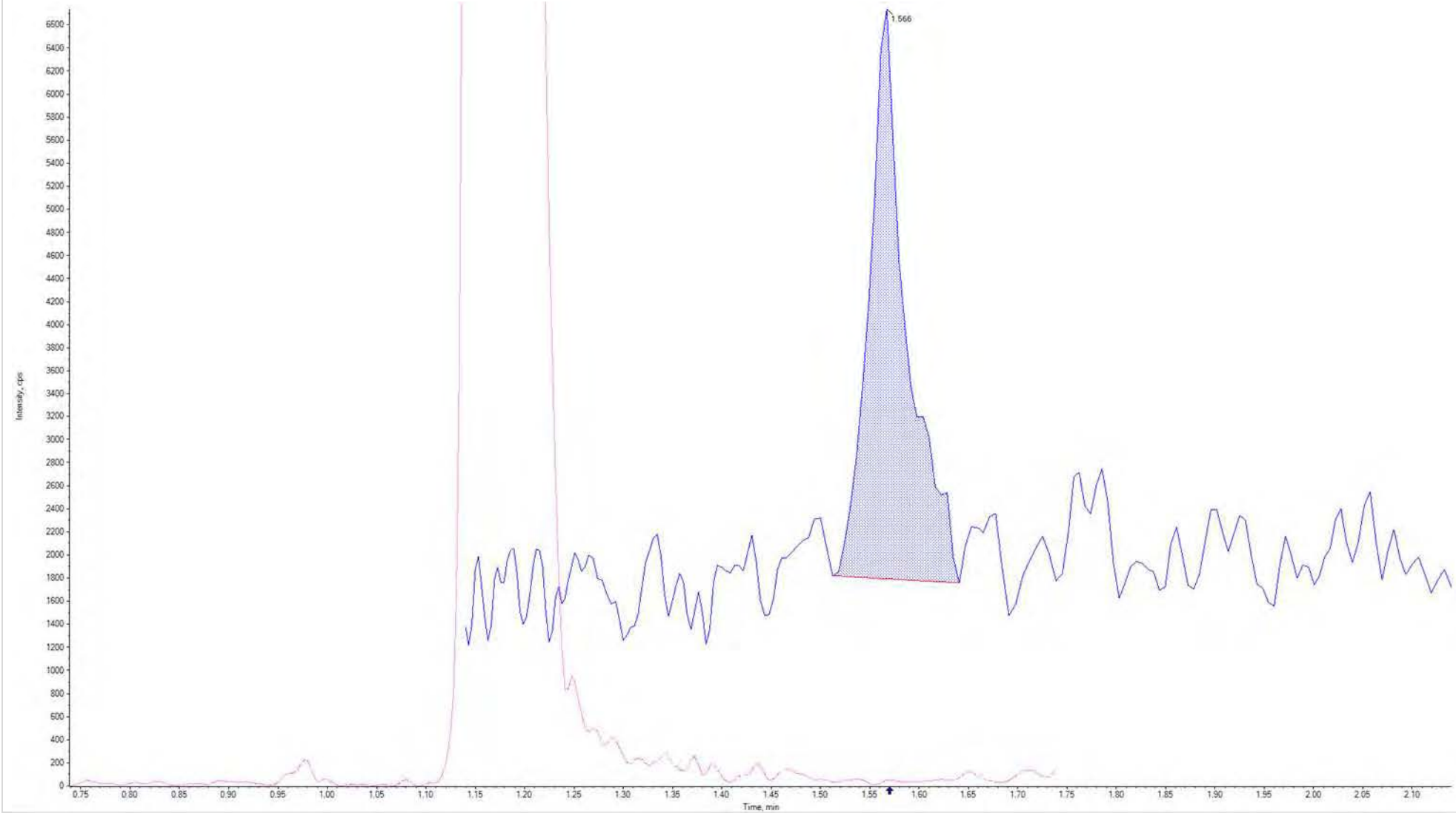
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

3:3FTCA
Sample: IA1633STD-.2 S/N:78.9 Points Across peak:20



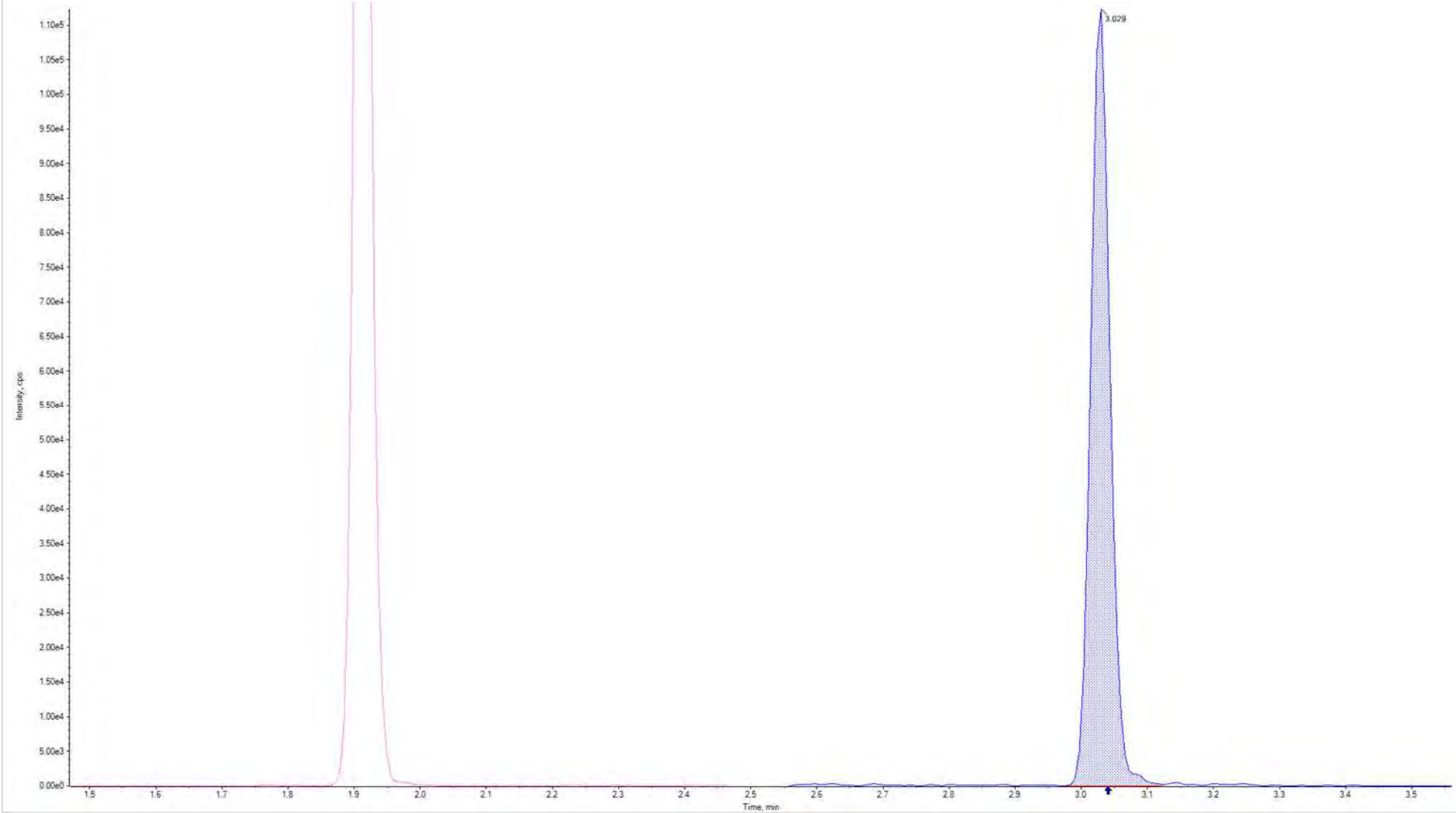
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

3:3FTCA_2
Sample: IA1633STD-.2 S/N:39.3 Points Across peak:22



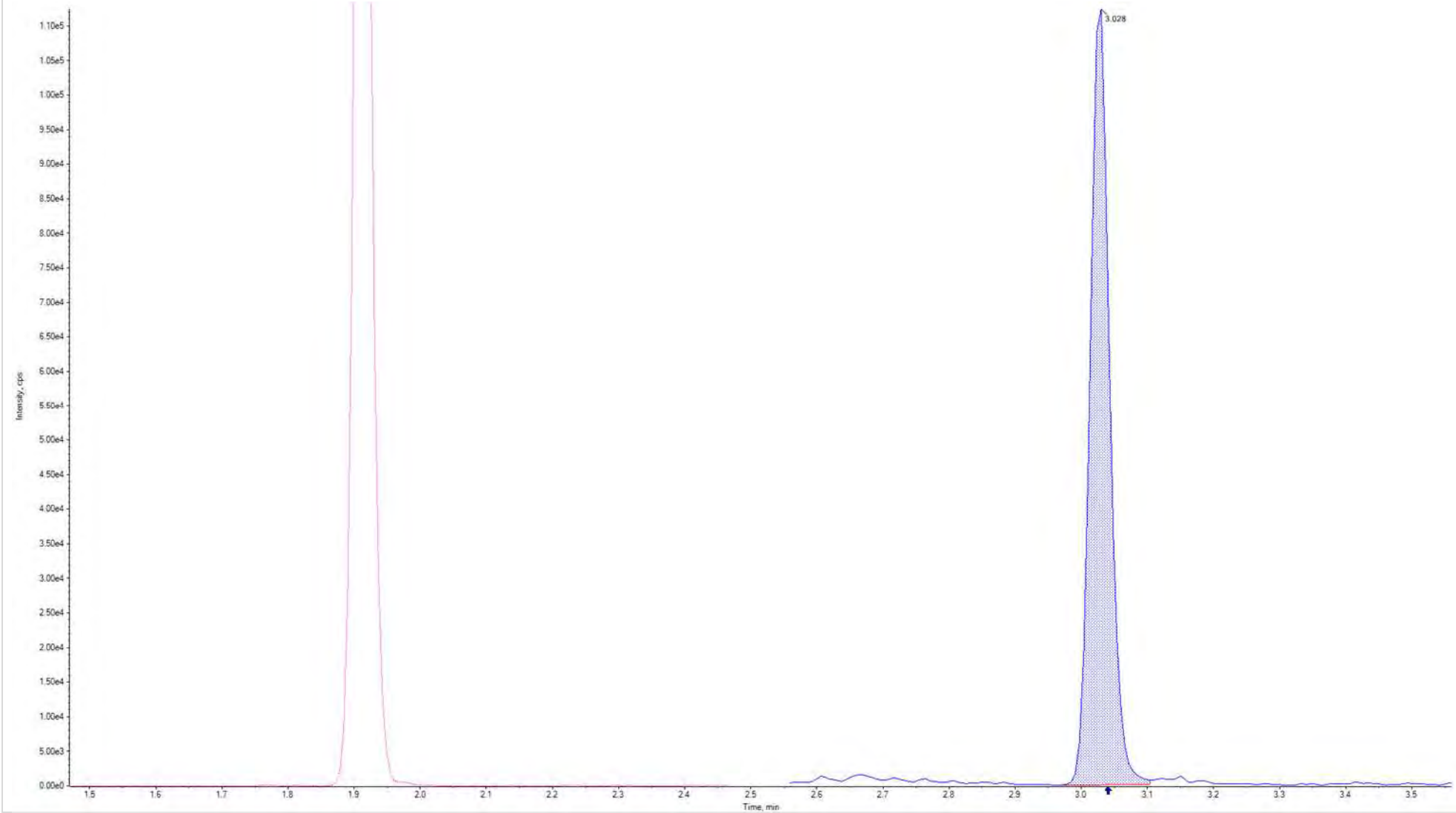
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

5:3FTCA
Sample: IA1633STD-.2 S/N:2533.8 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\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

5:3FTCA_2
Sample: IA1633STD-.2 S/N:1670.6 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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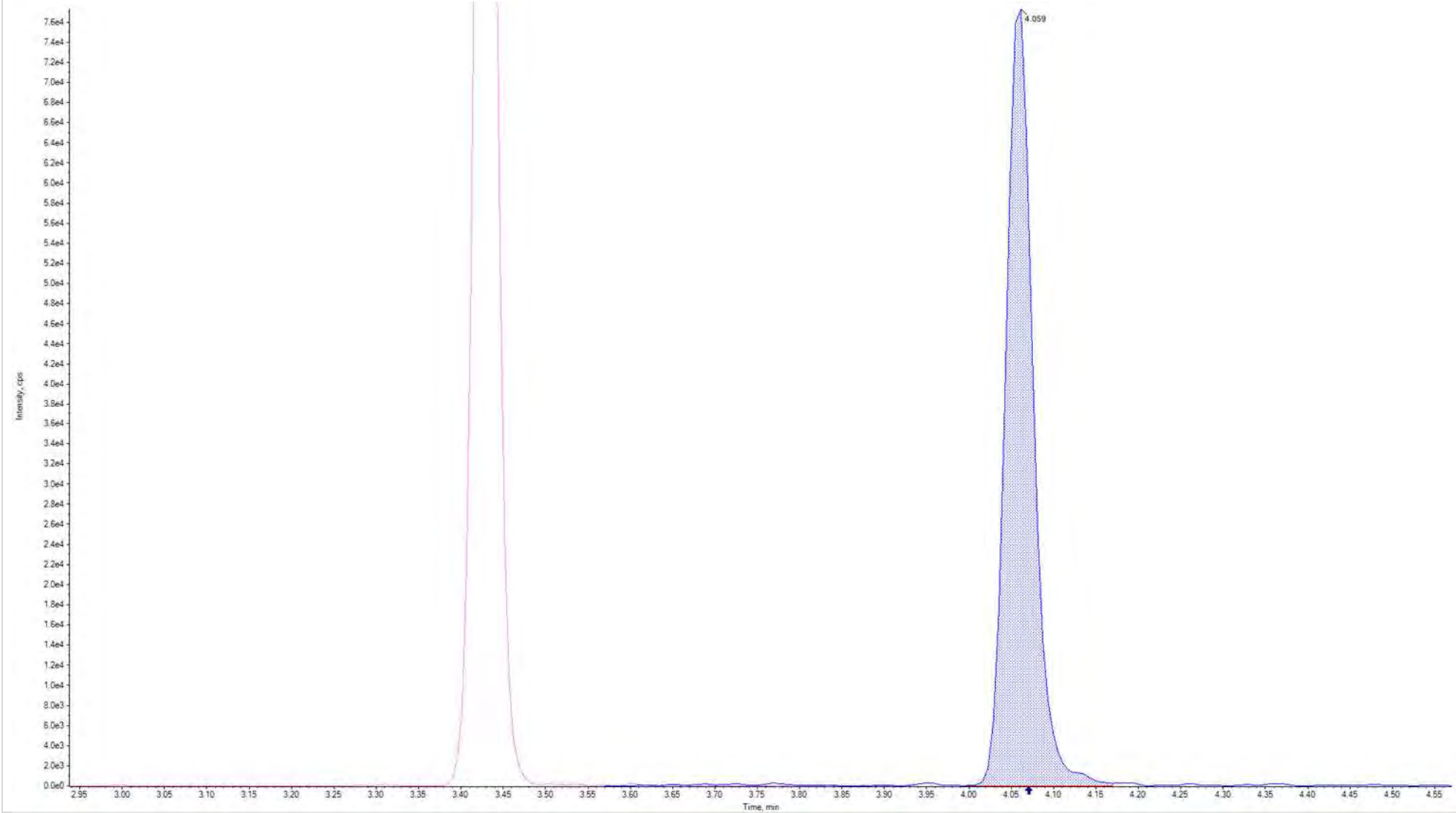
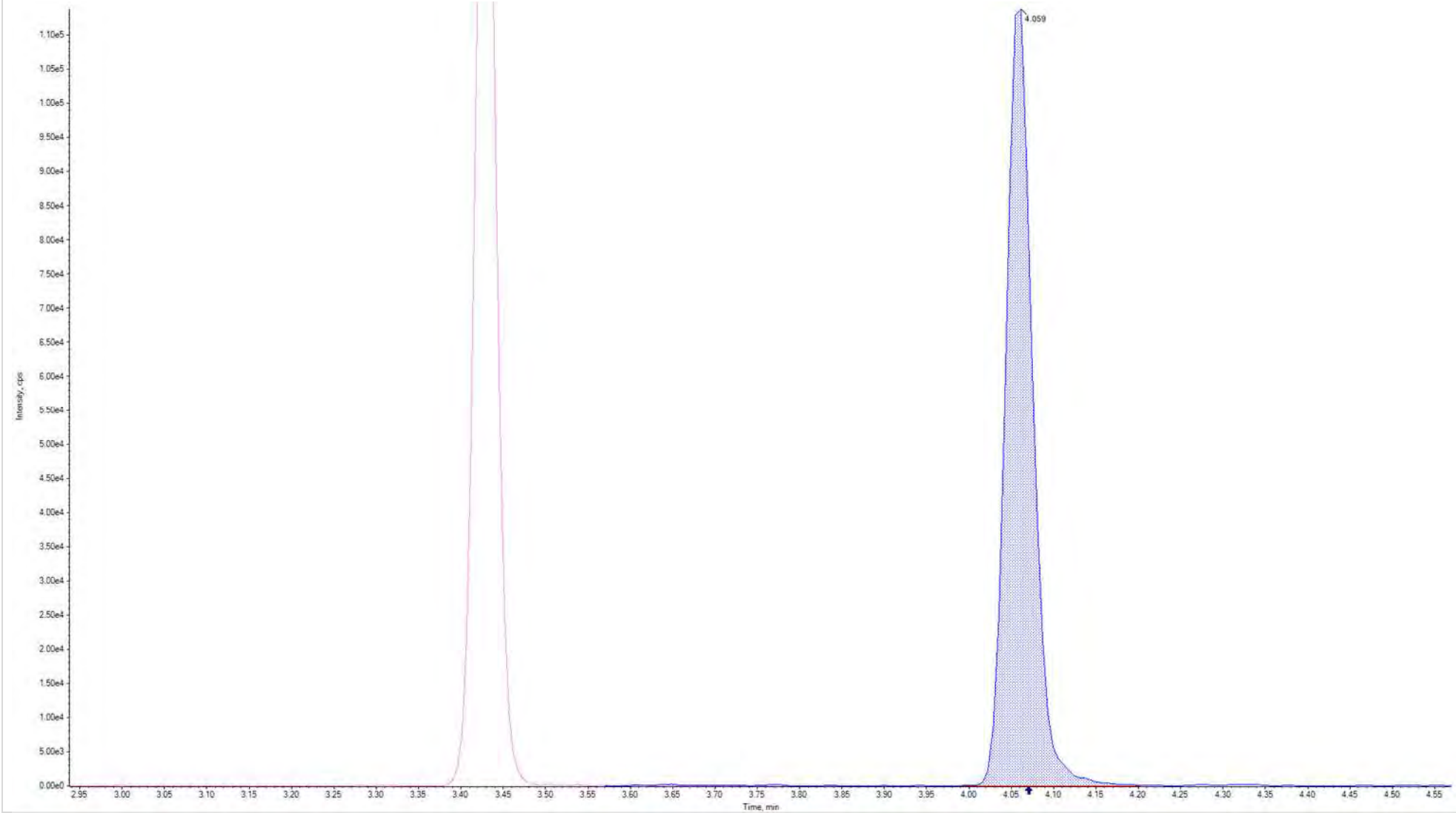
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

7:3FTCA
Sample: IA1633STD-.2 S/N:2130.4 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\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

7:3FTCA_2
Sample: IA1633STD-.2 S/N:3137.5 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\250303\SCI09_250303_23.wiff2_2
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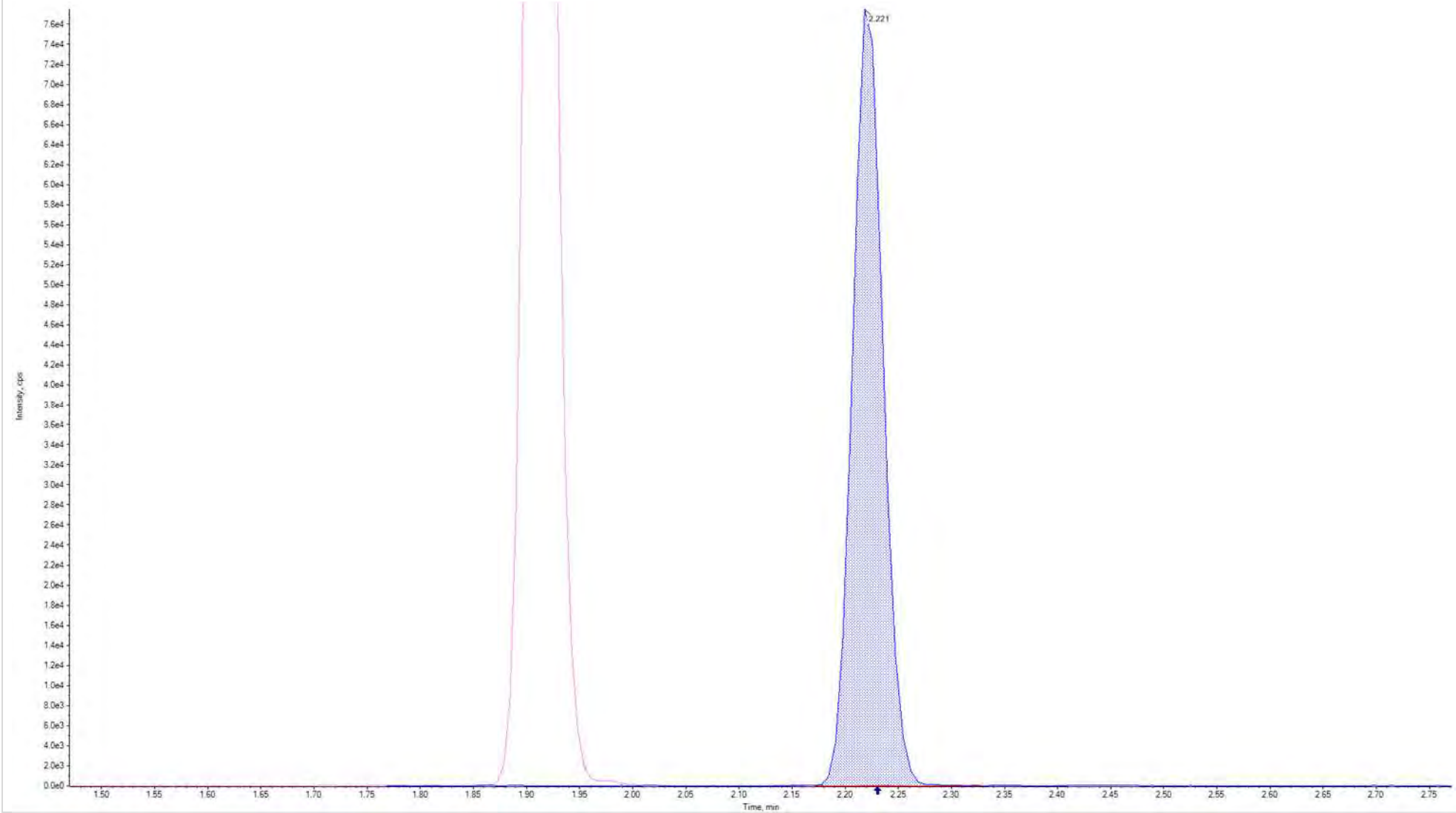
PFEESA
Sample: IA1633STD-.2 S/N:1748.6 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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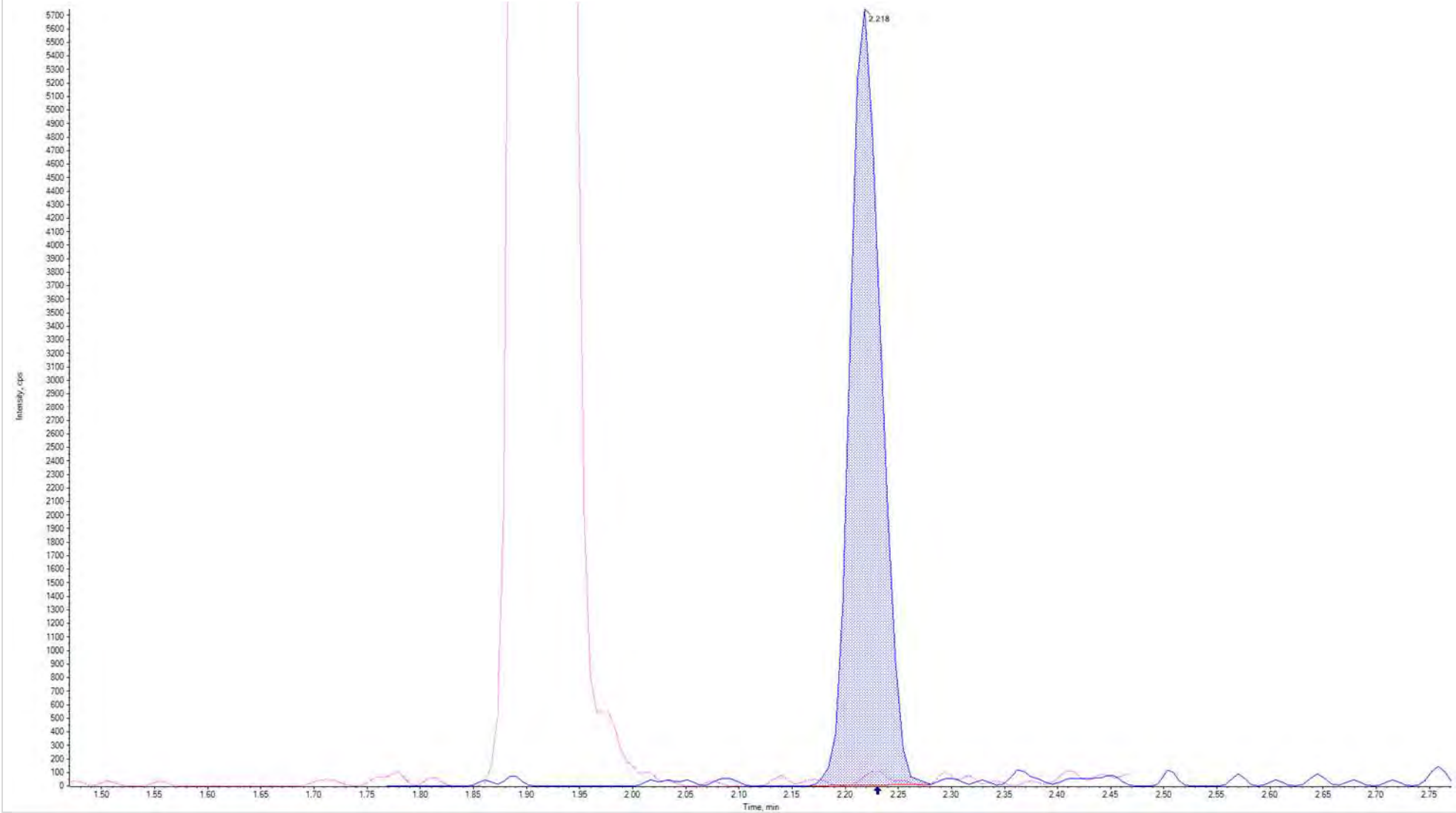
PFEESA_2
Sample: IA1633STD-.2 S/N:129.5 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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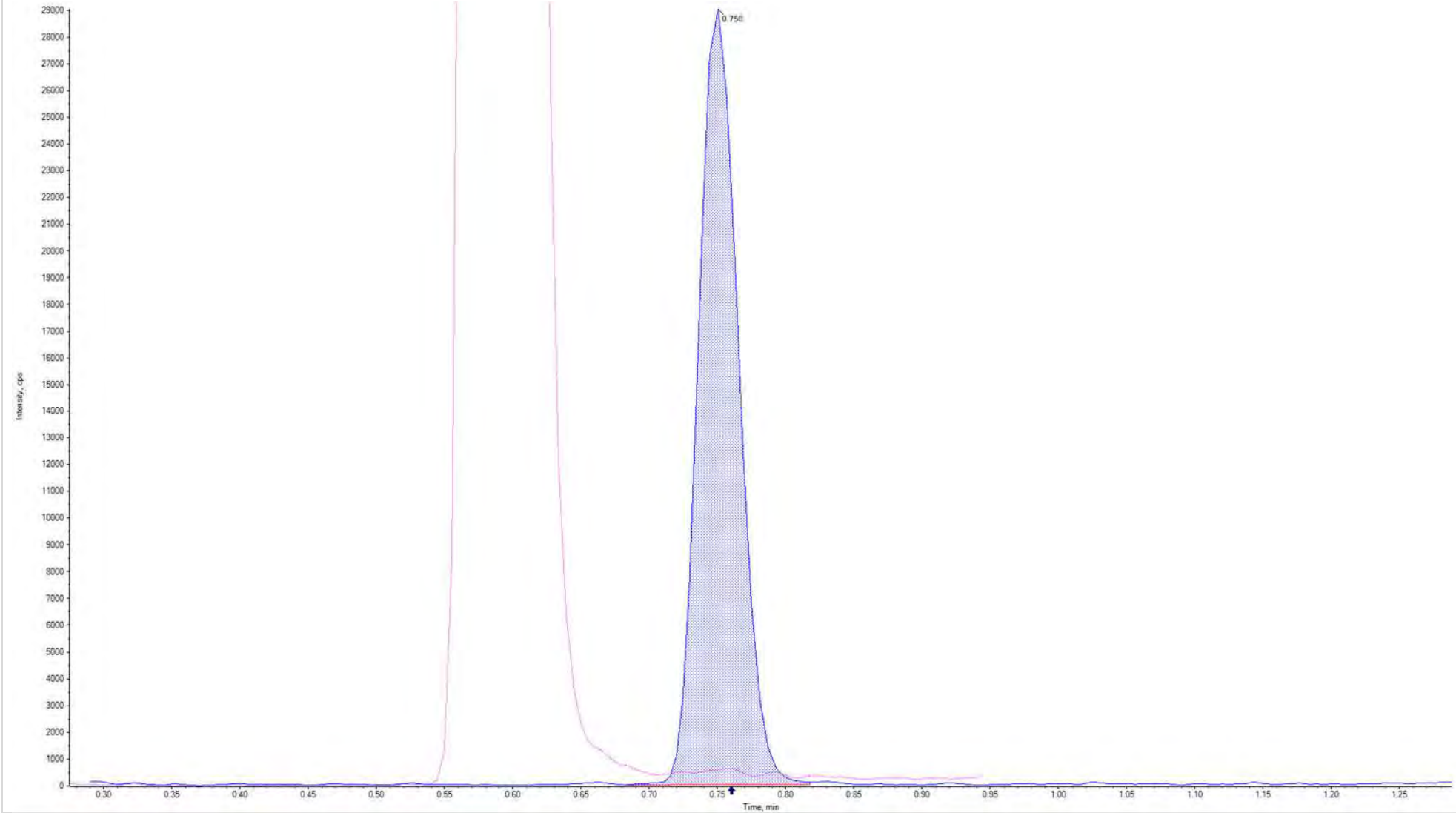
PFMPA
Sample: IA1633STD-.2 S/N:2611.8 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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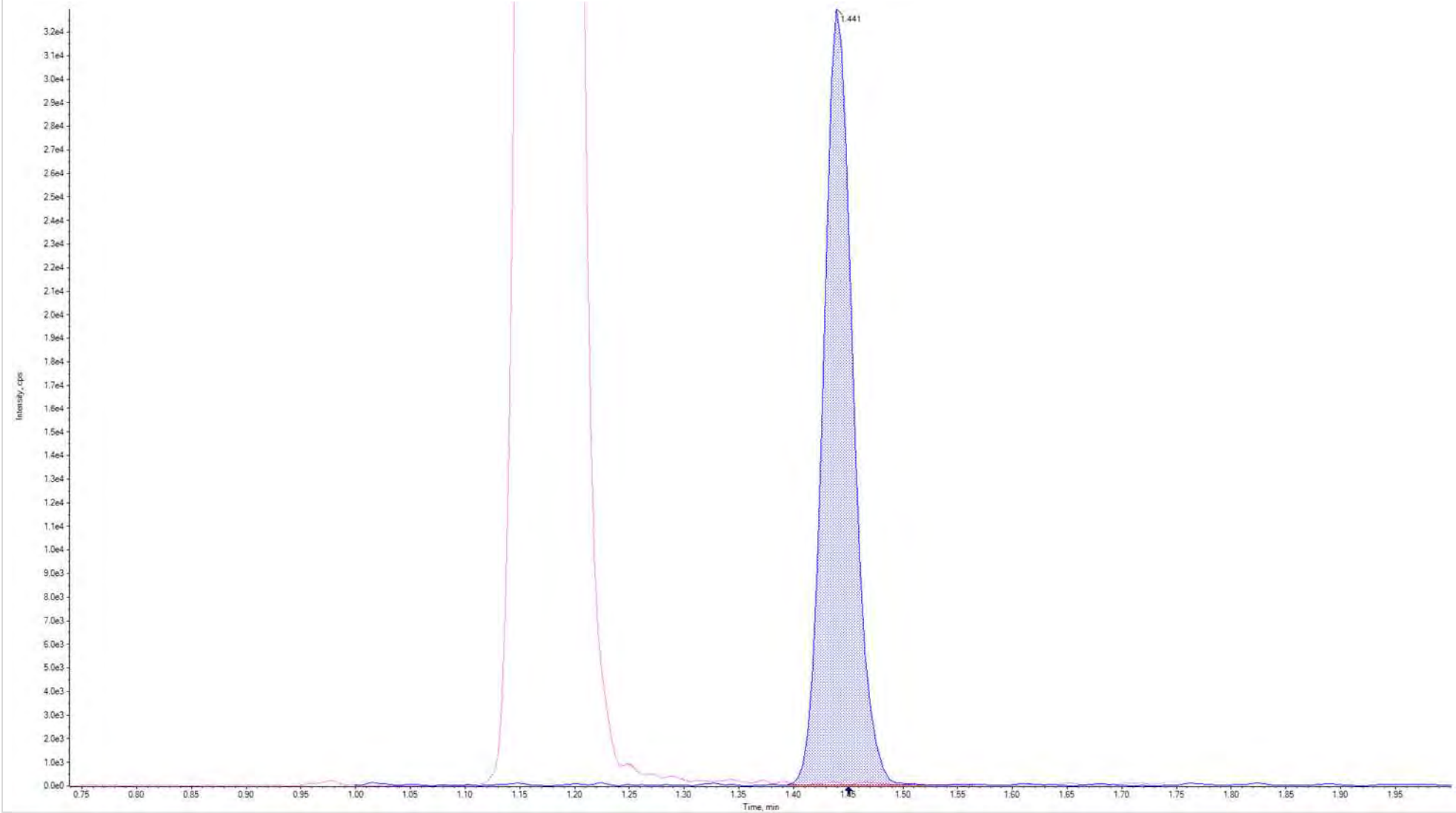
PFMBA
Sample: IA1633STD-.2 S/N:1899.7 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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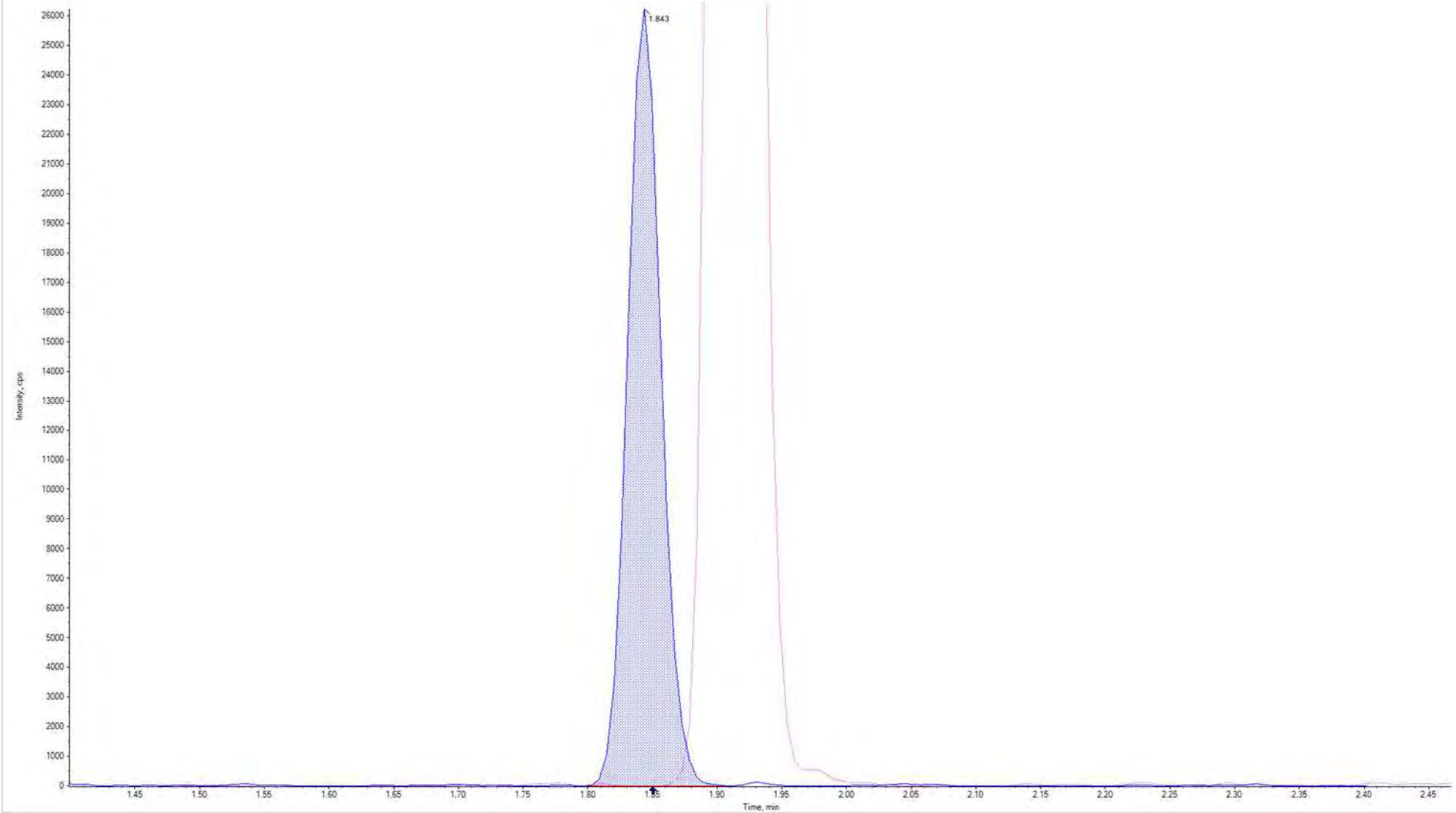
NFDHA
Sample: IA1633STD-.2 S/N:723.1 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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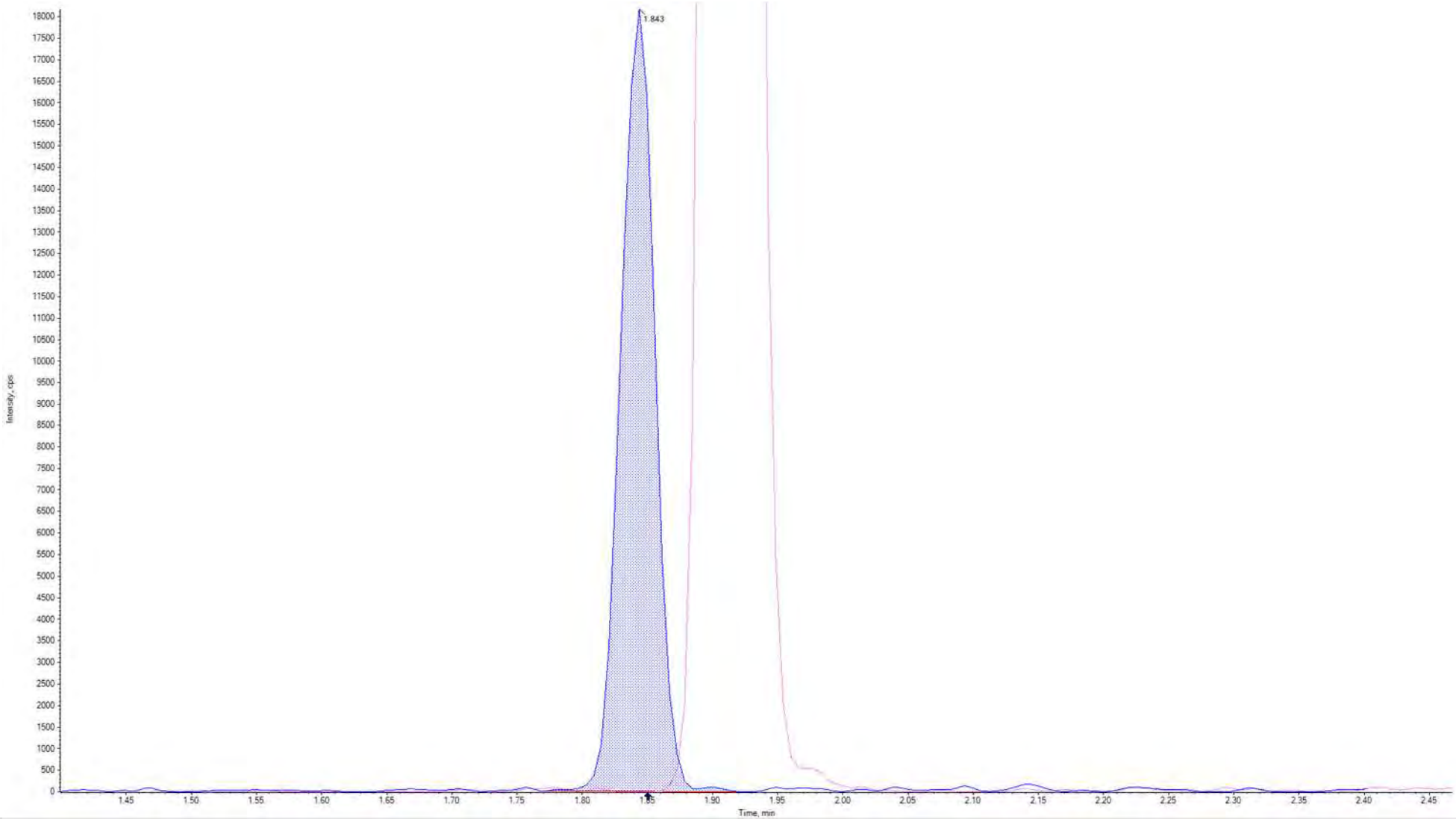
NFDHA_2
Sample: IA1633STD-.2 S/N:500.8 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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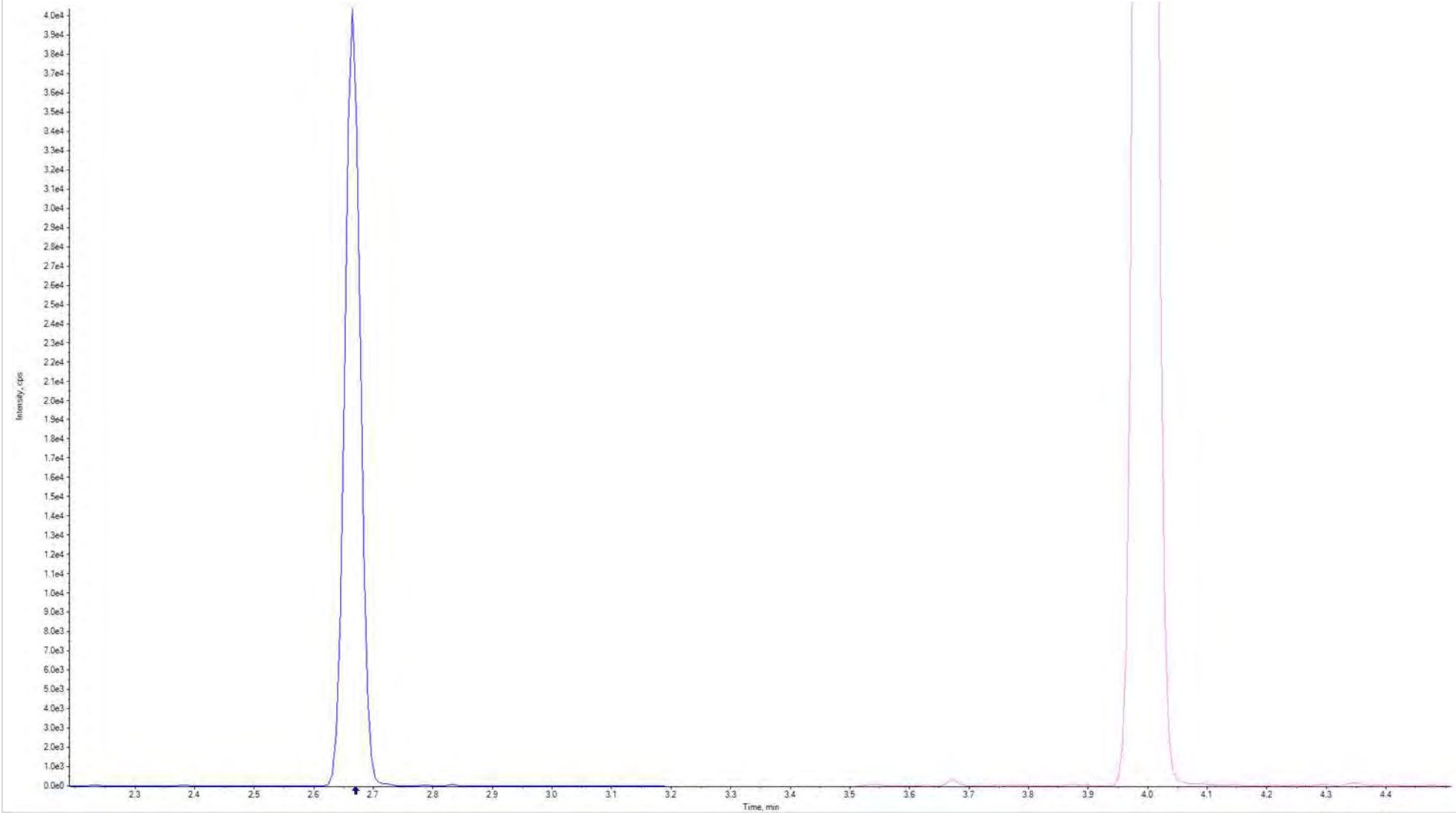
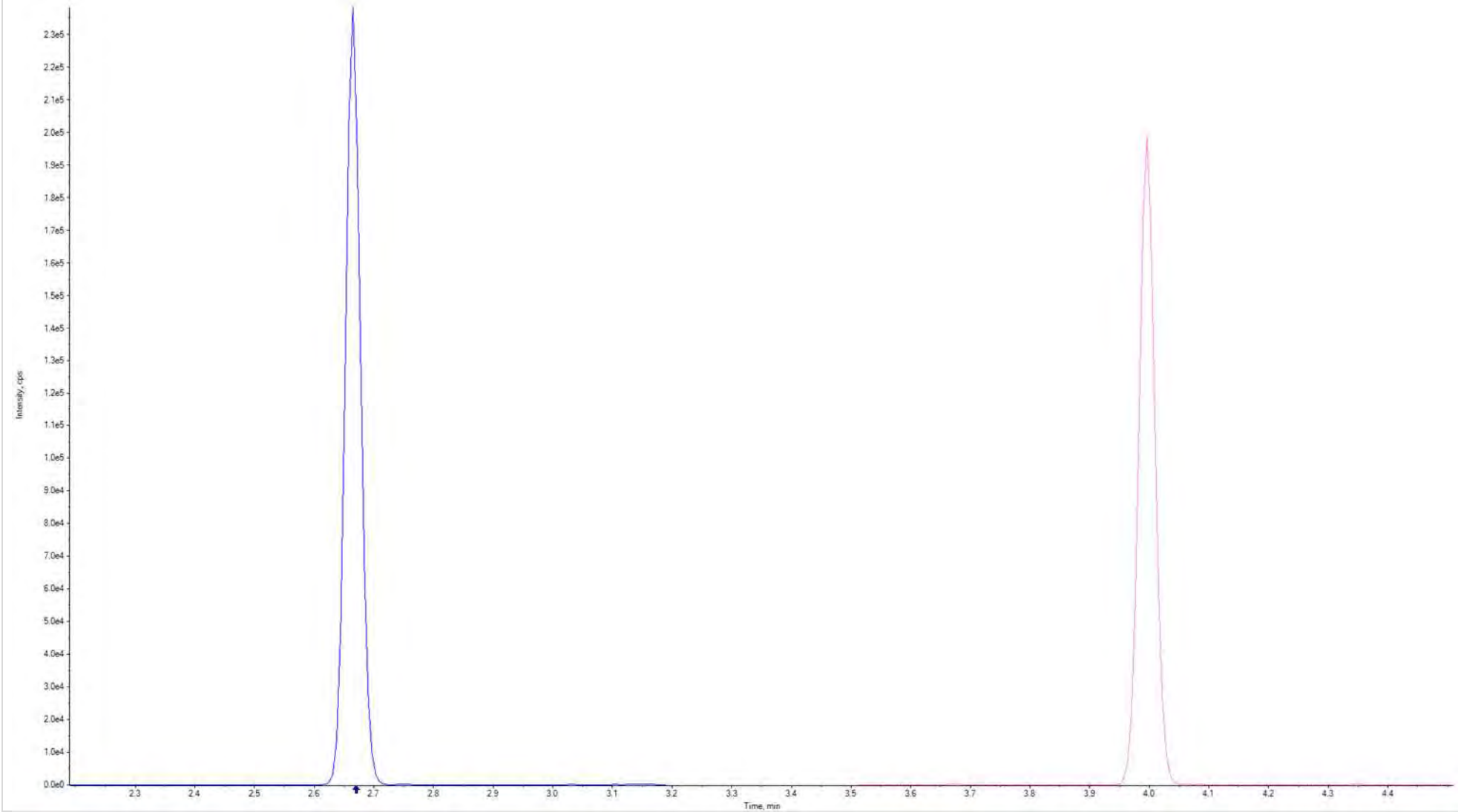
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

TDCA
Sample: IA1633STD-.2 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

TDCA_2
Sample: IA1633STD-.2 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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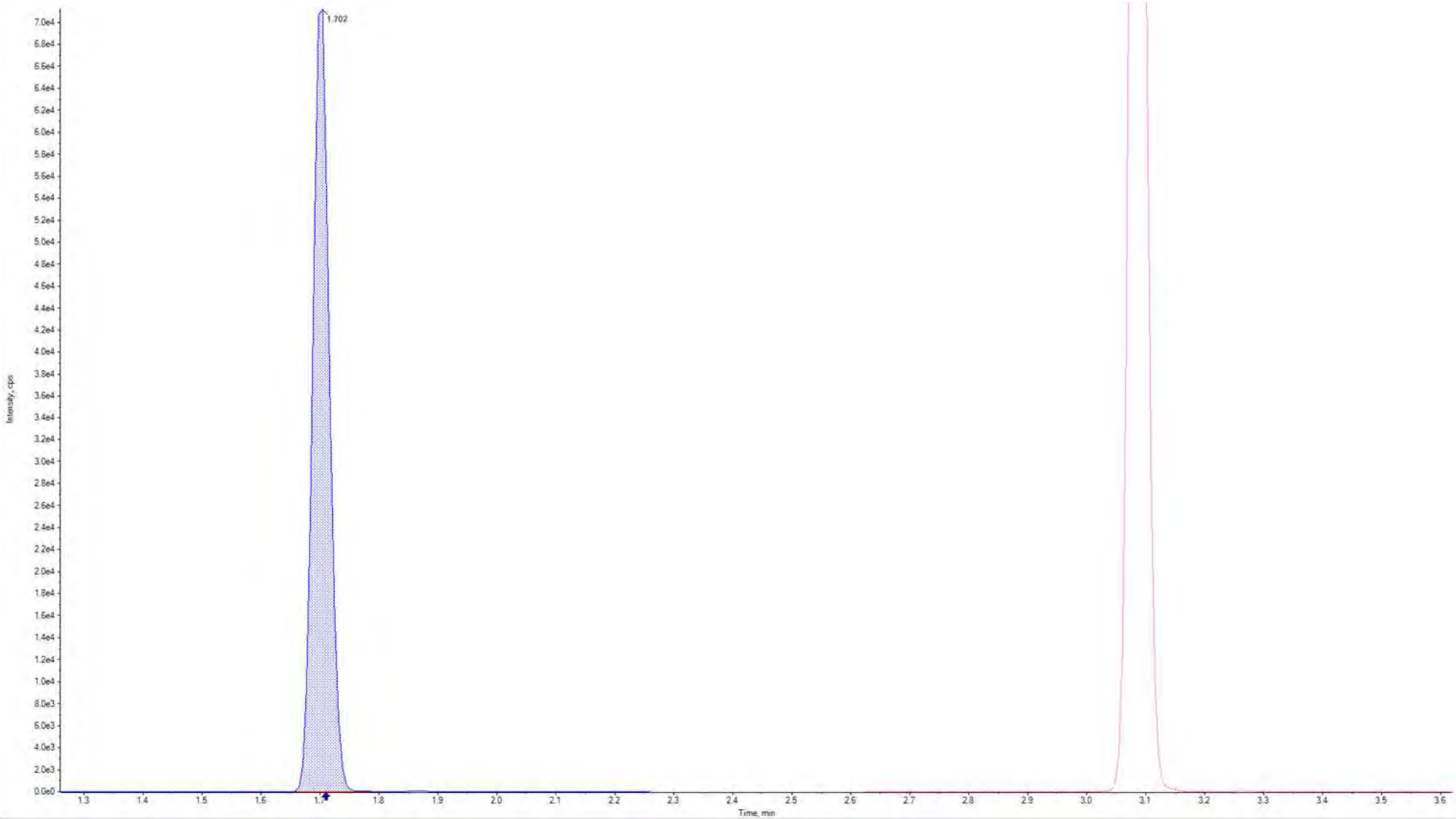
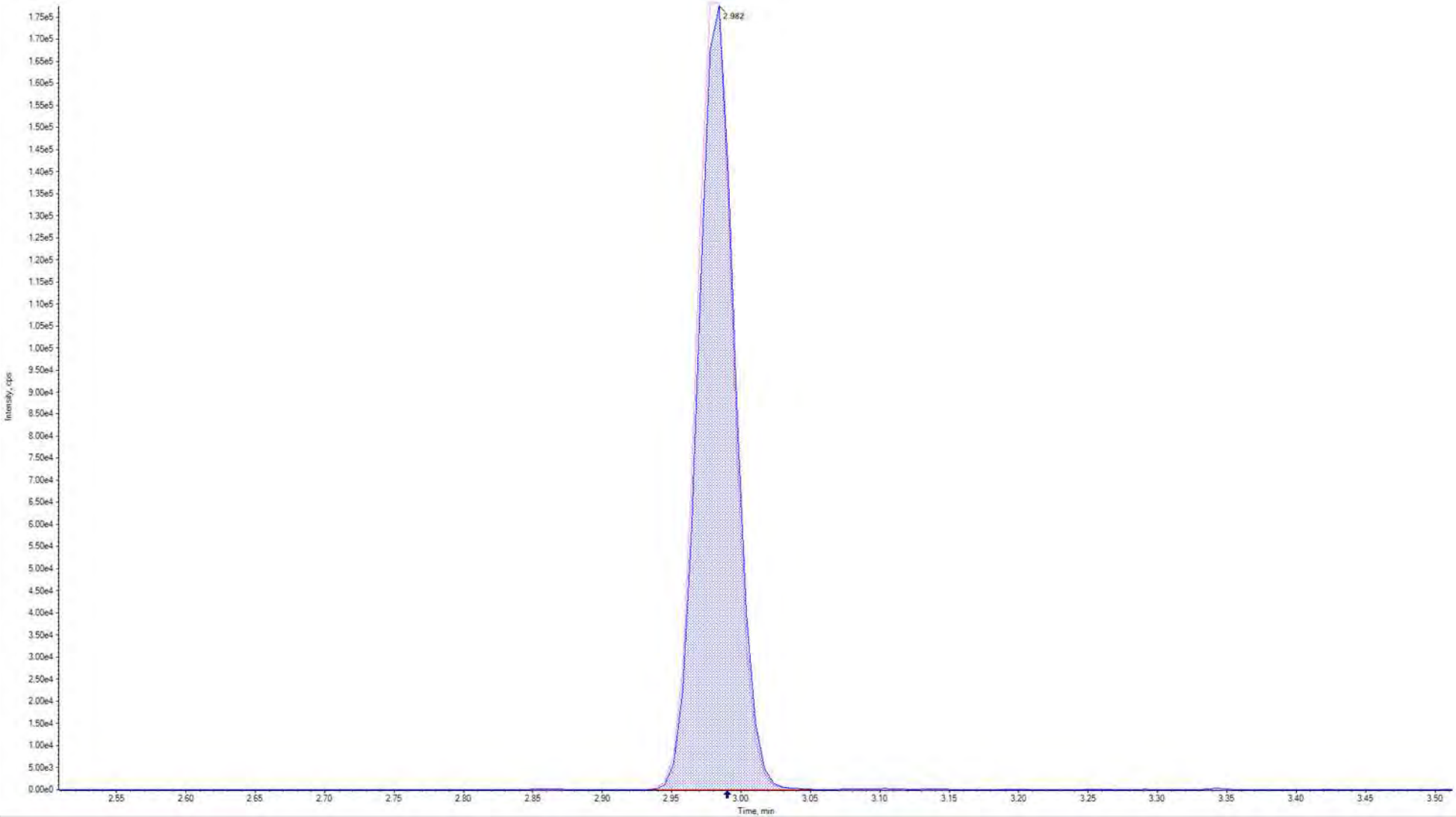
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

13C2D4-4:2FTS
Sample: IA1633STD-.2 S/N:2676.9 Points Across peak:27

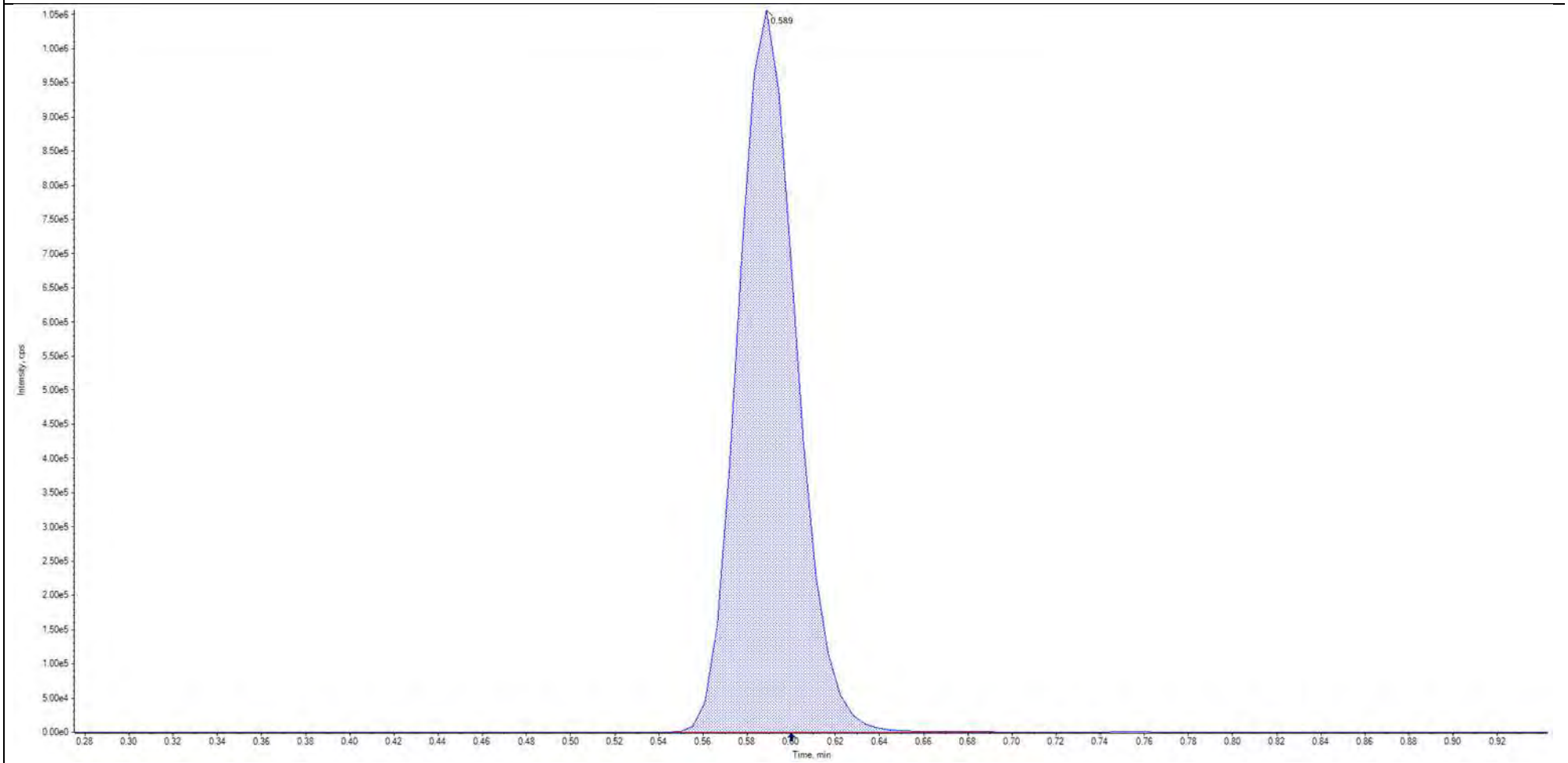


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

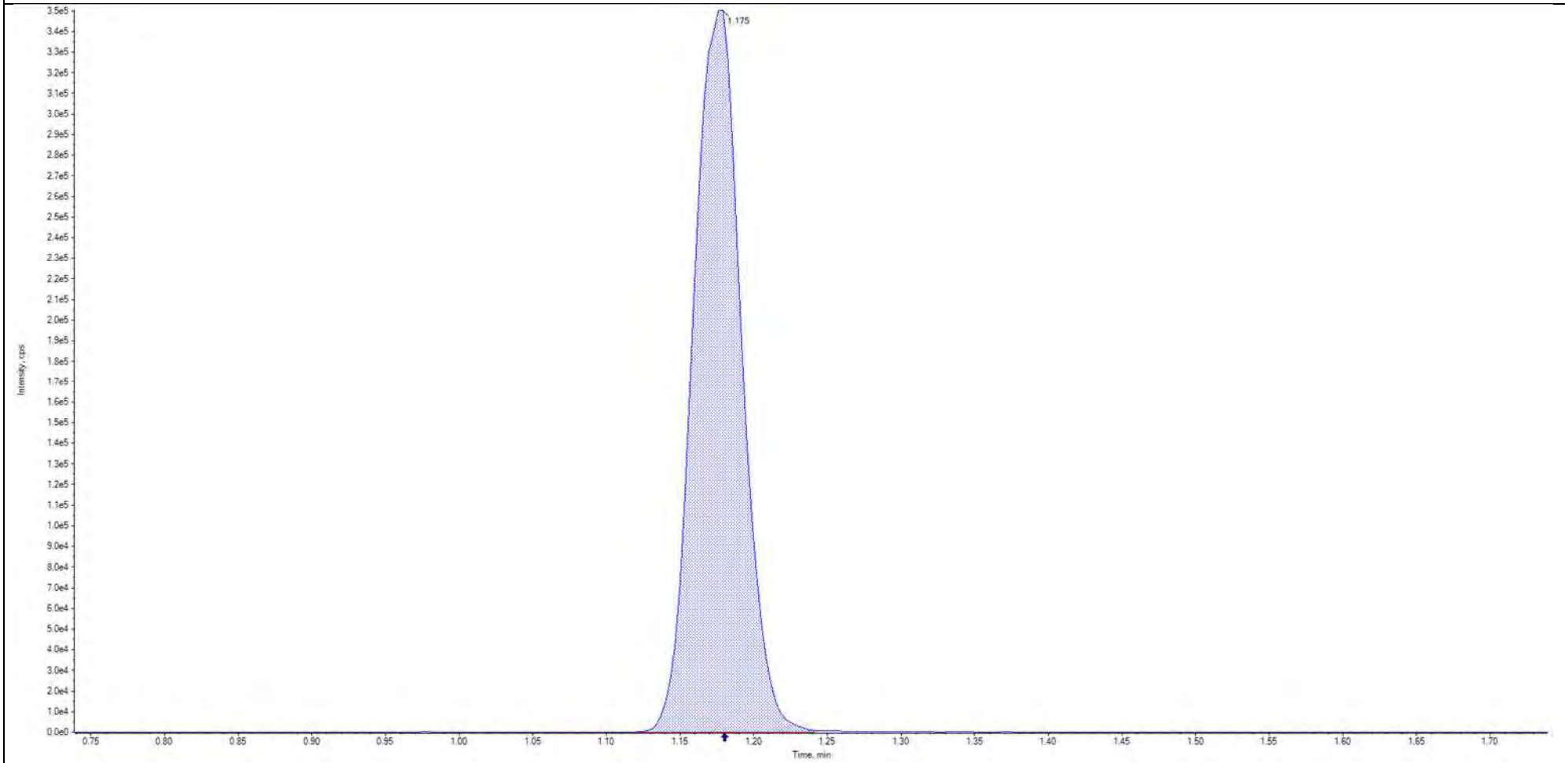
13C2-PFOA
Sample: IA1633STD-.2 S/N:4003.4 Points Across peak:24



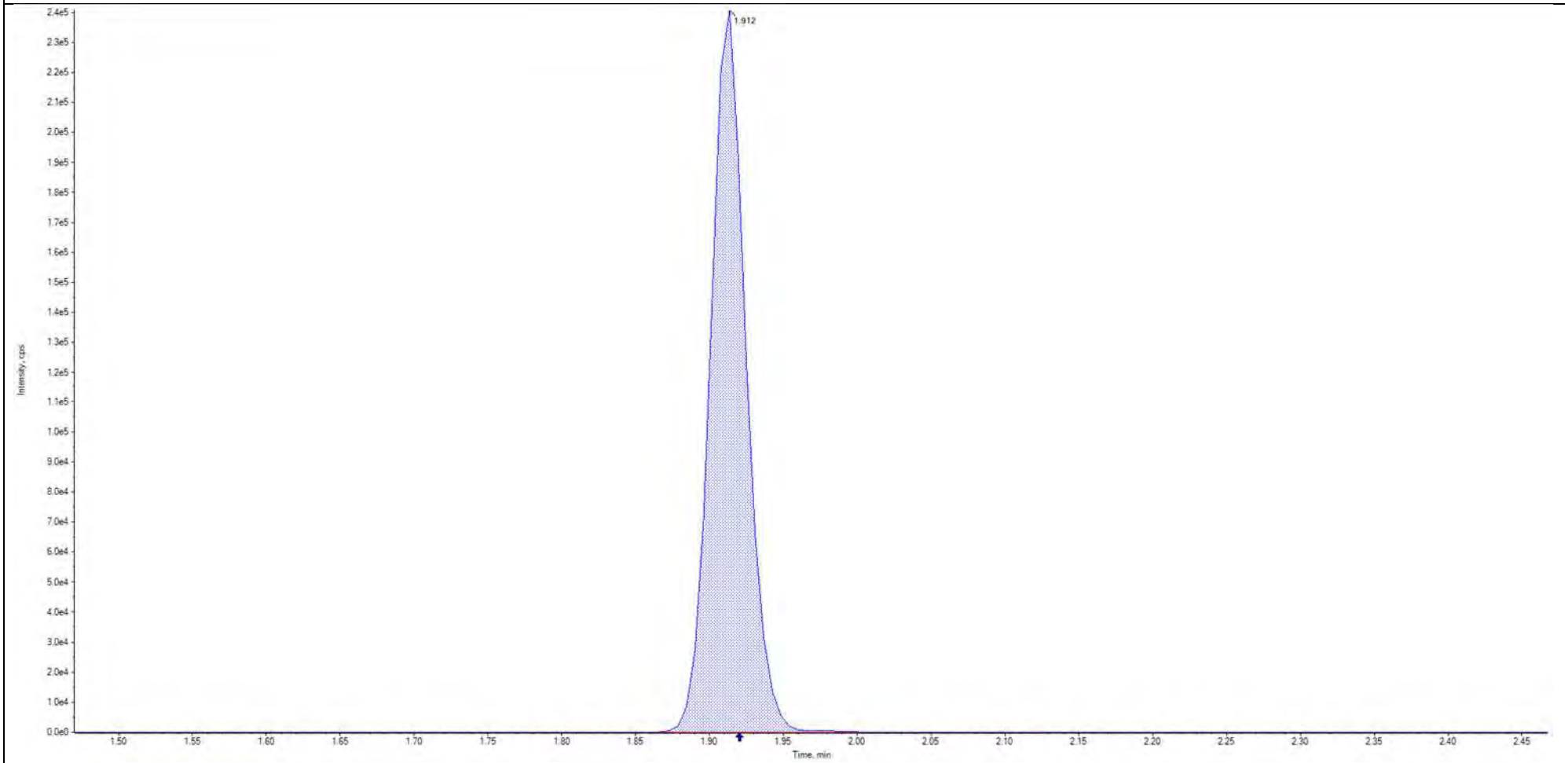
13C4-PFBA
Sample: IA1633STD-.2



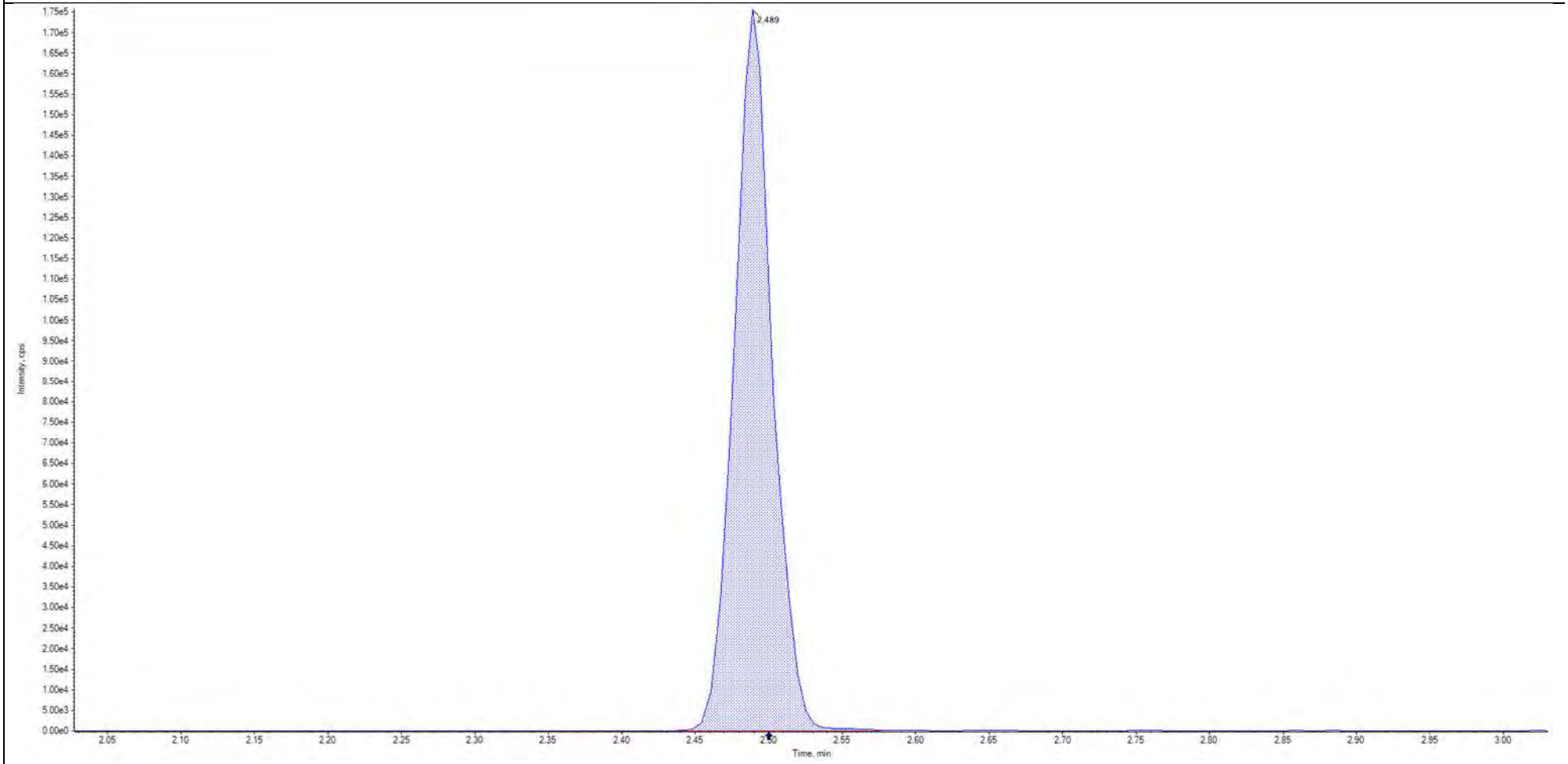
13C5-PFPeA
Sample: IA1633STD-.2



13C5-PFHxA
Sample: IA1633STD-.2



13C4-PFHpA
Sample: IA1633STD-.2



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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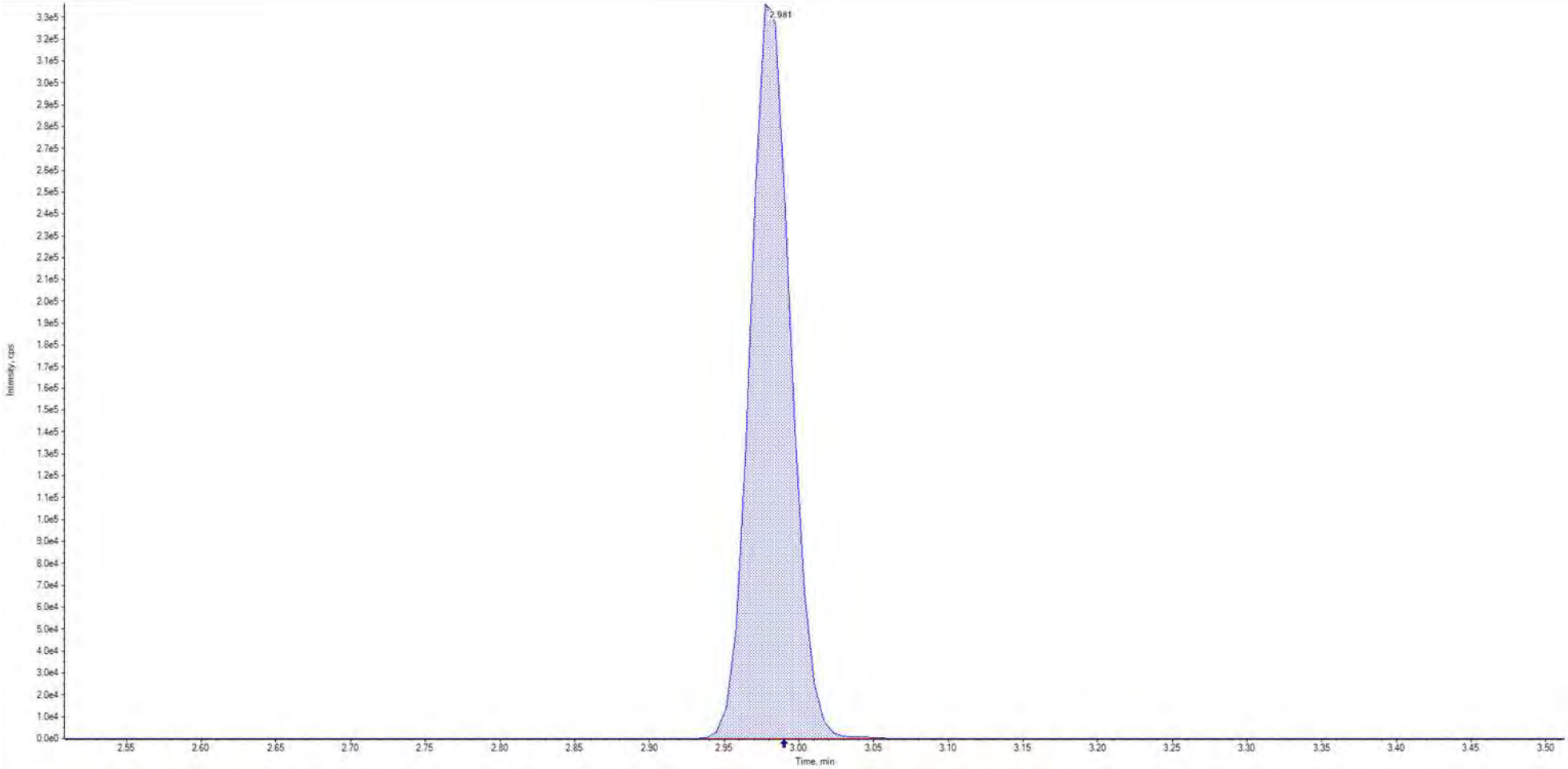
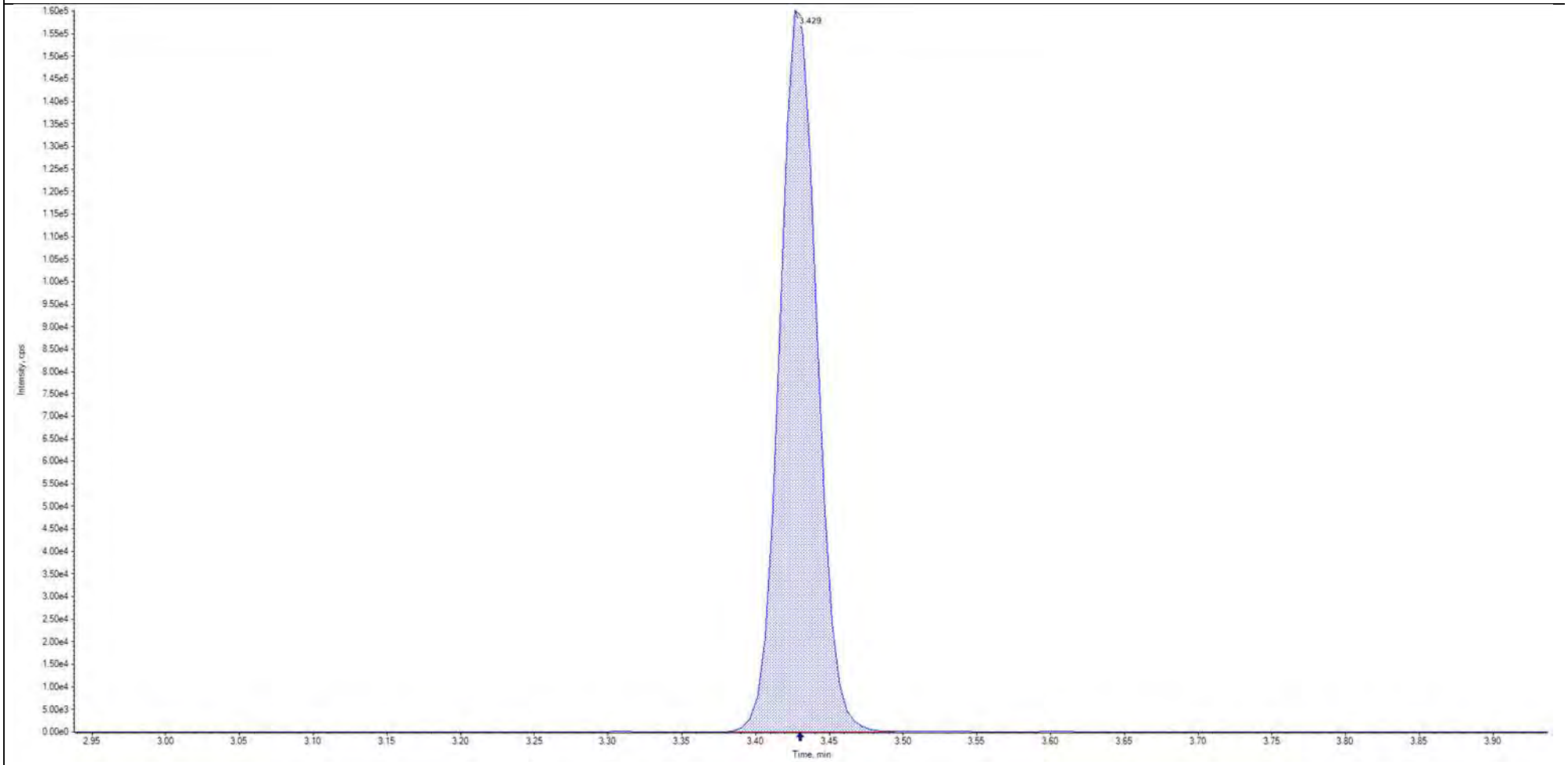
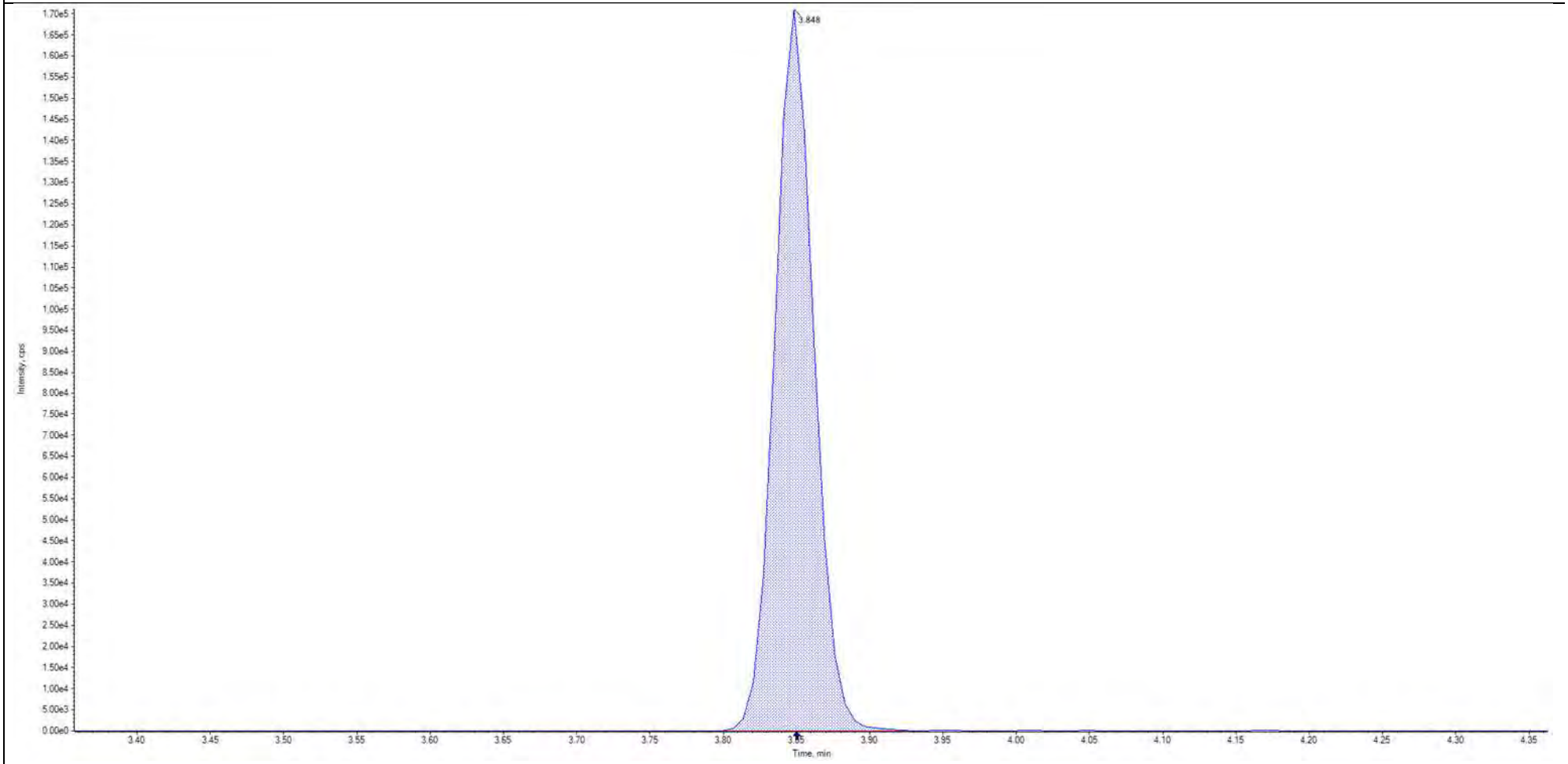
13C8-PFOA
Sample: IA1633STD-.2



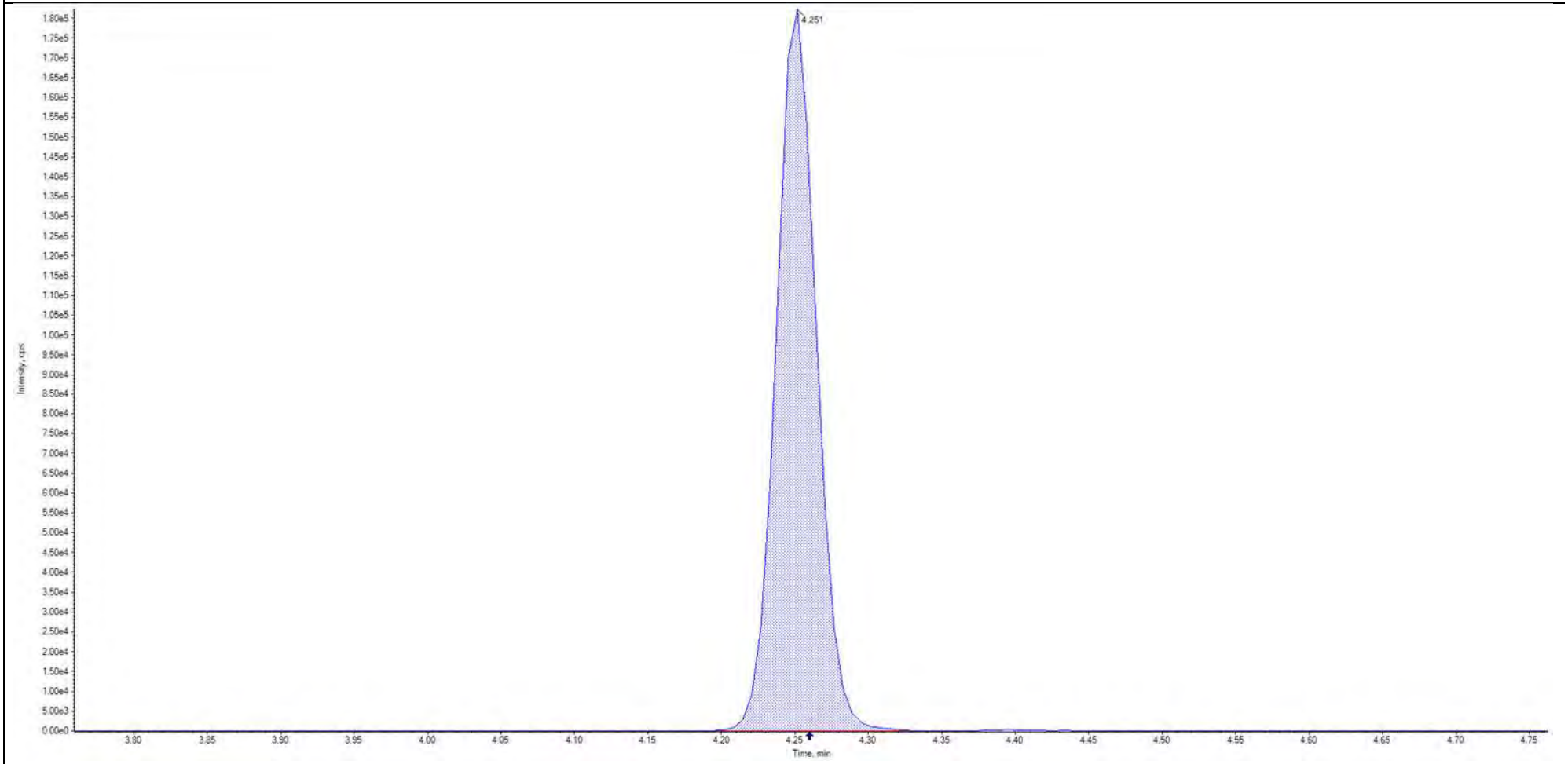
13C9-PFNA
Sample: IA1633STD-.2



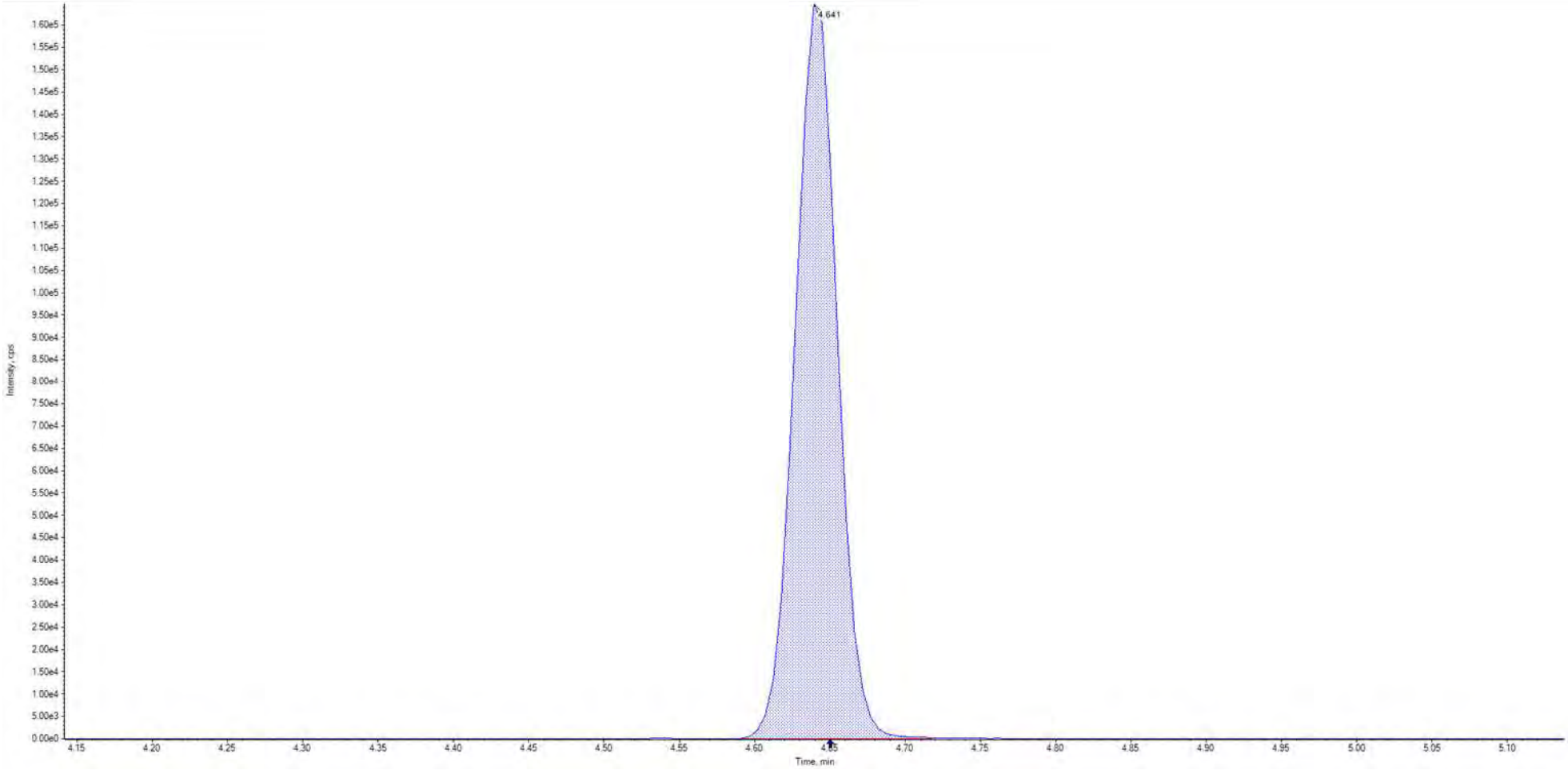
13C6-PFDA
Sample: IA1633STD-.2



13C7-PFUnA
Sample: IA1633STD-.2



13C2-PFDoA
Sample: IA1633STD-.2



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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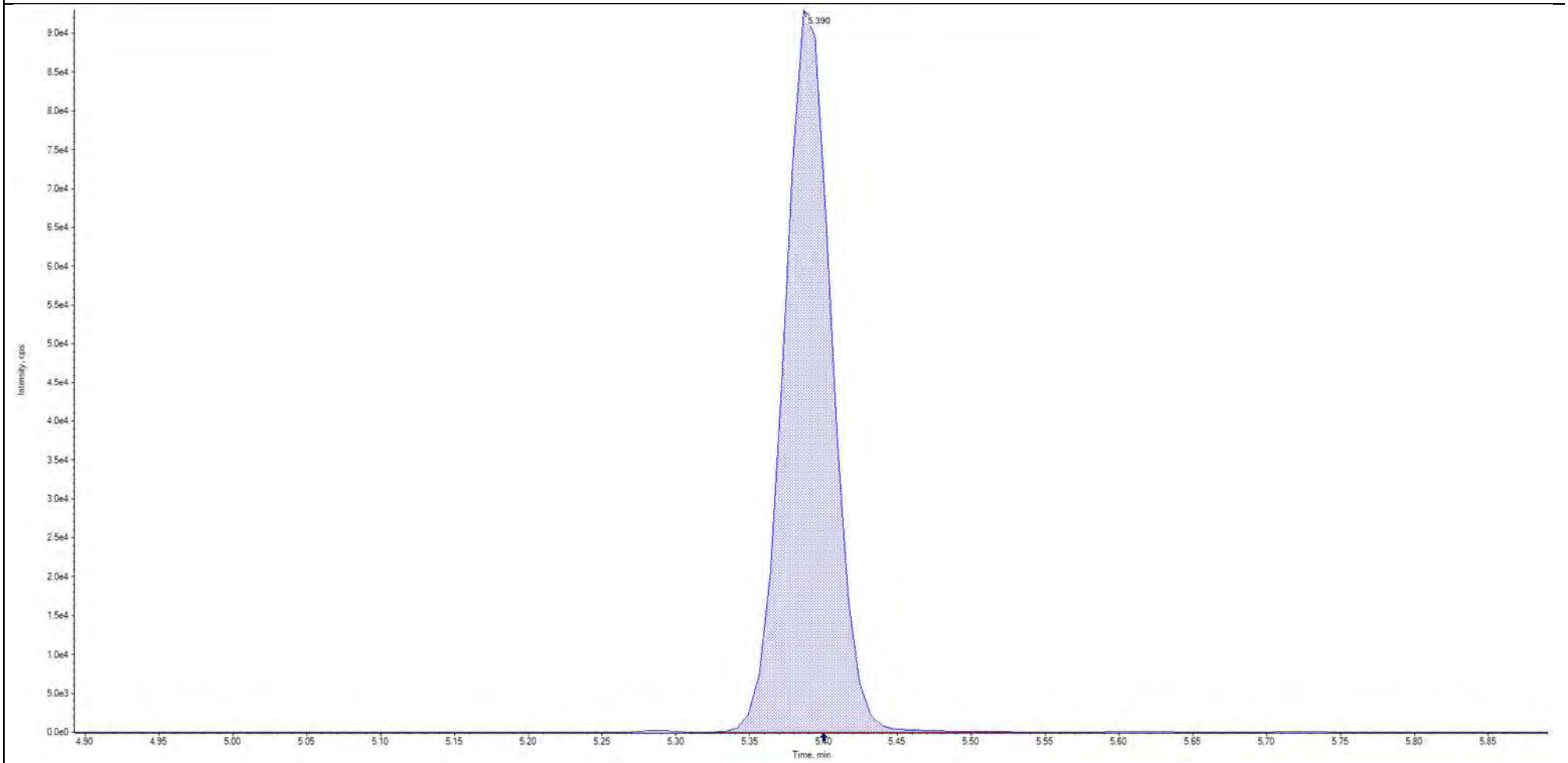
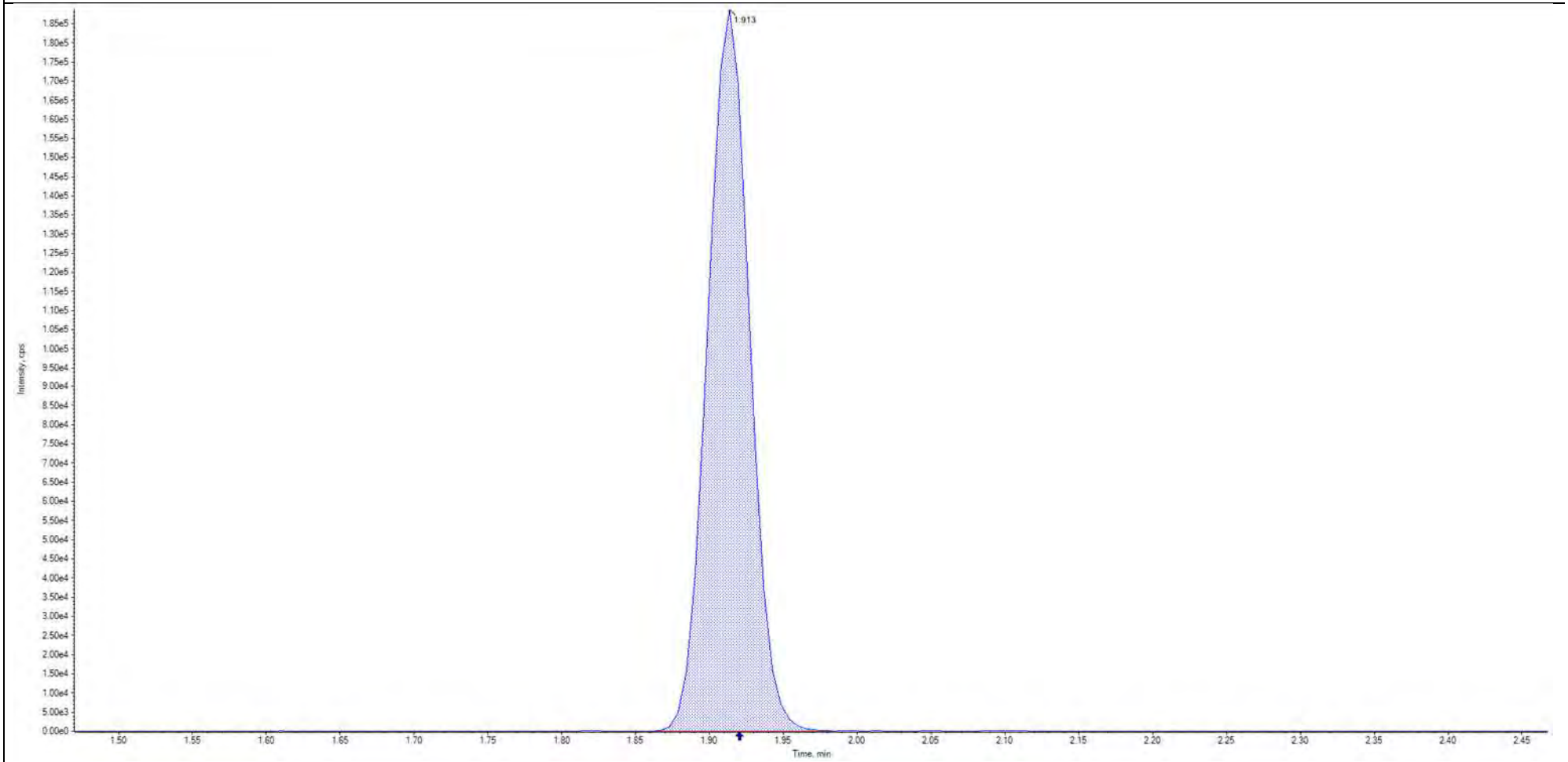
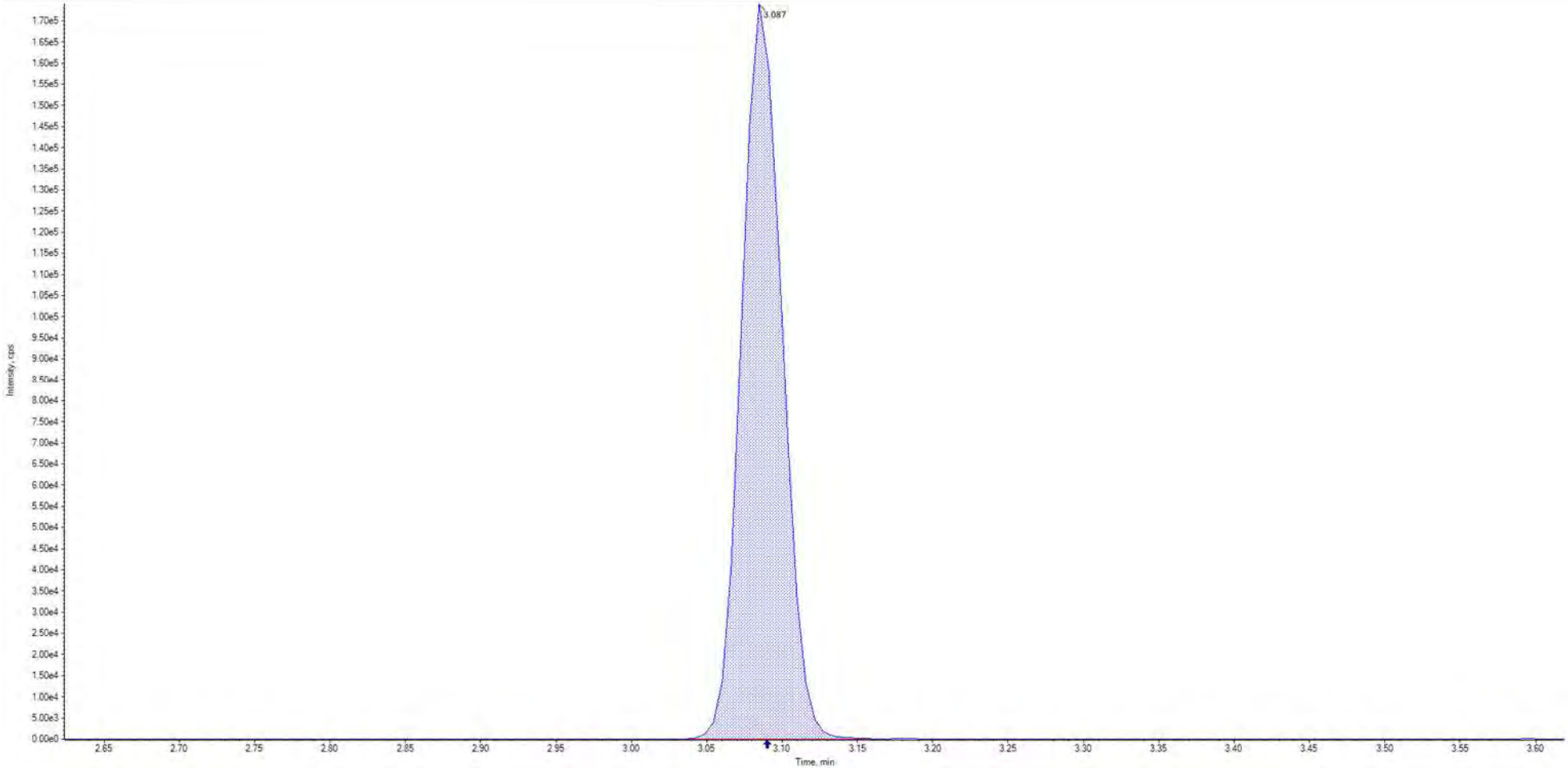
13C2-PFTeDA
Sample: IA1633STD-.2



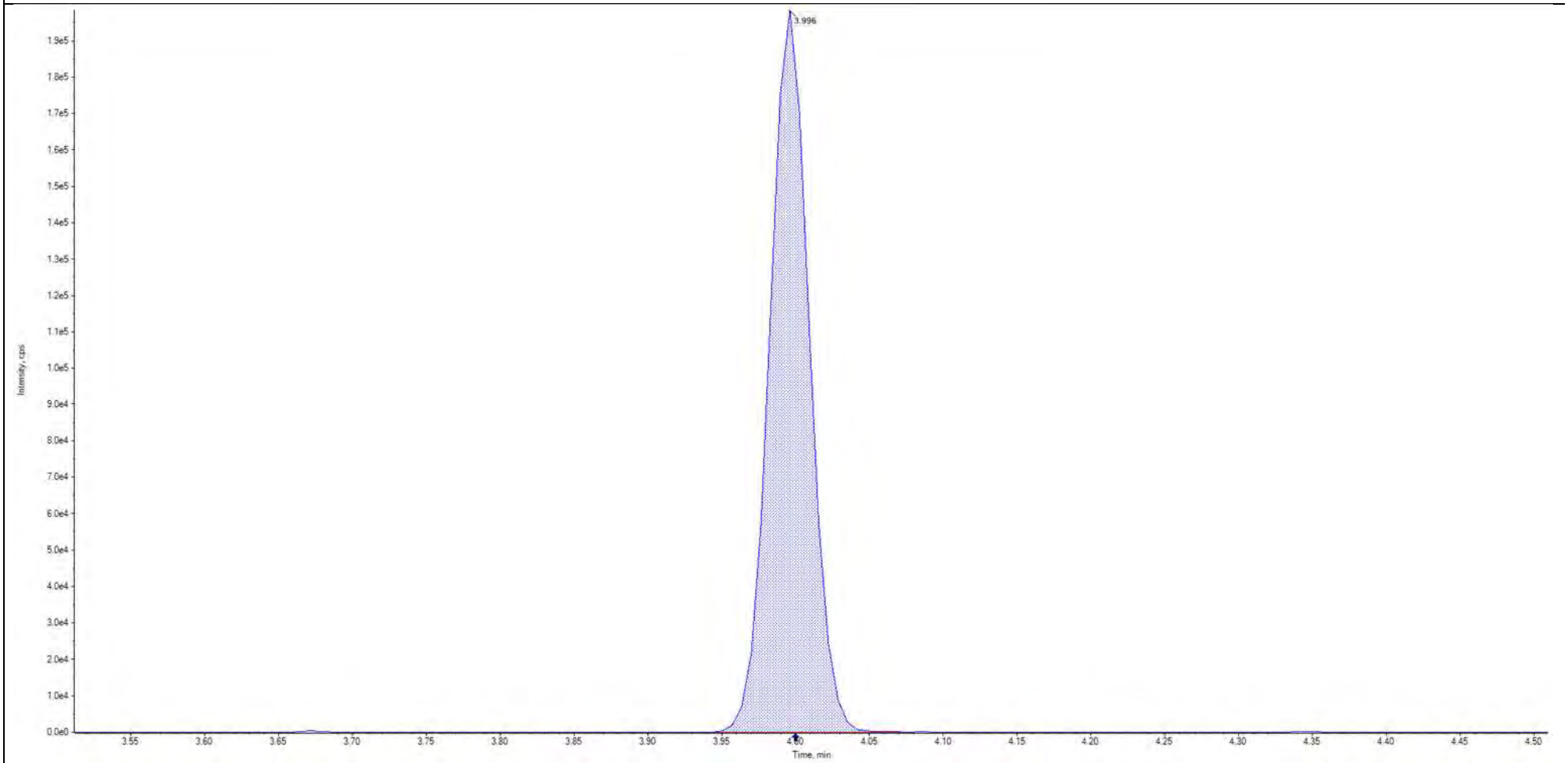
13C3-PFBS
Sample: IA1633STD-.2



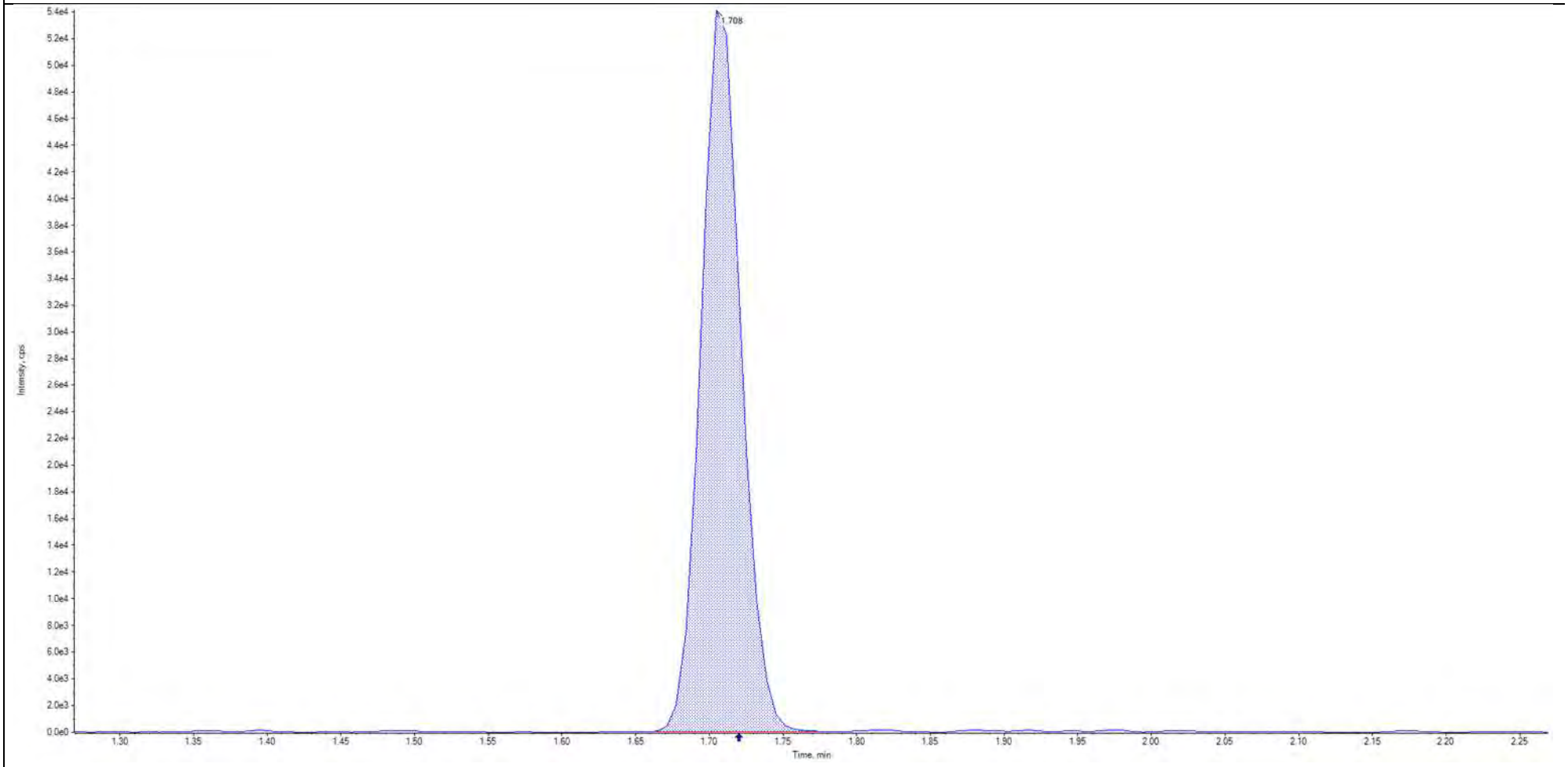
13C3-PFHxS
Sample: IA1633STD-.2



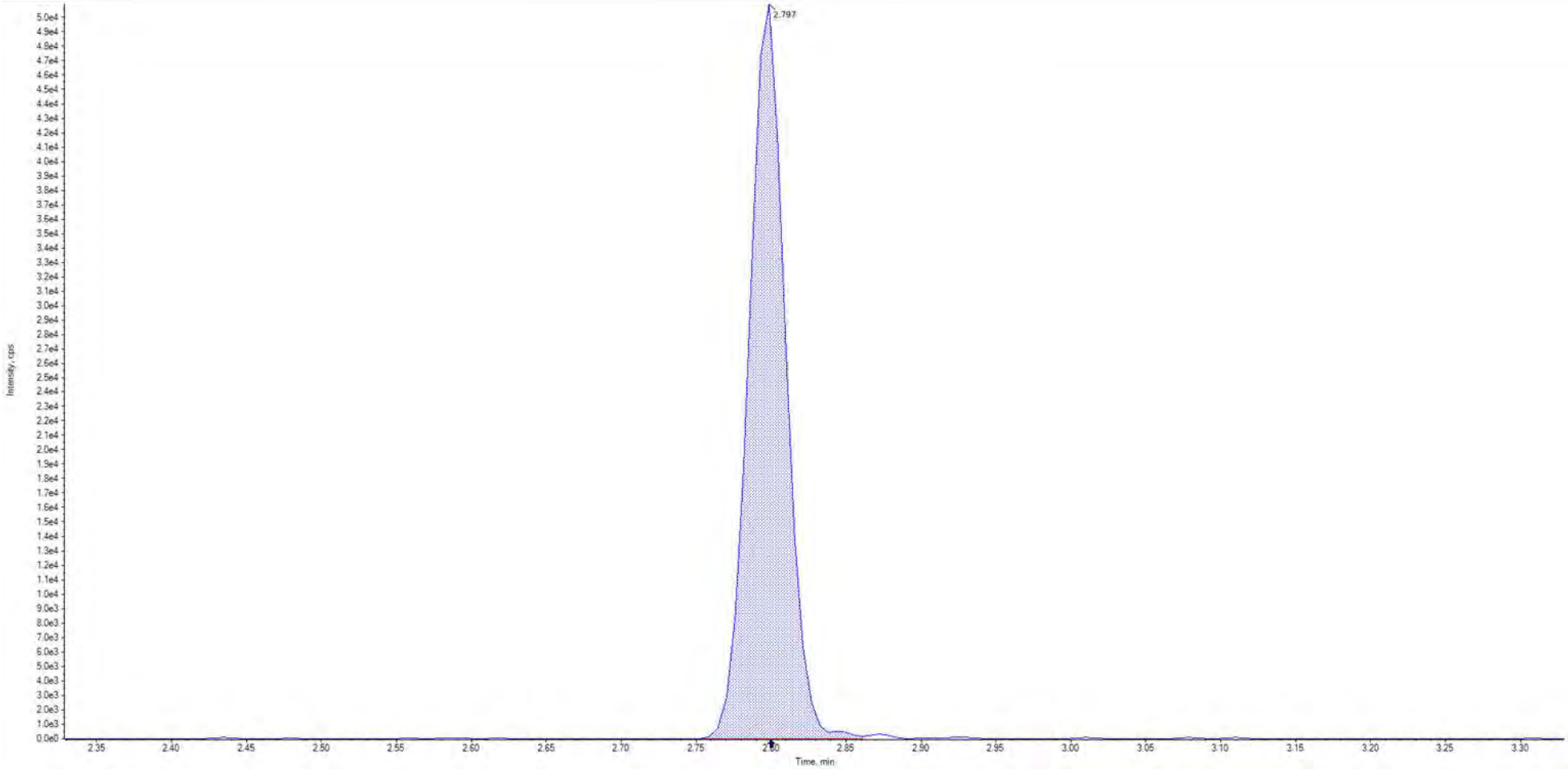
13C8-PFOS
Sample: IA1633STD-.2



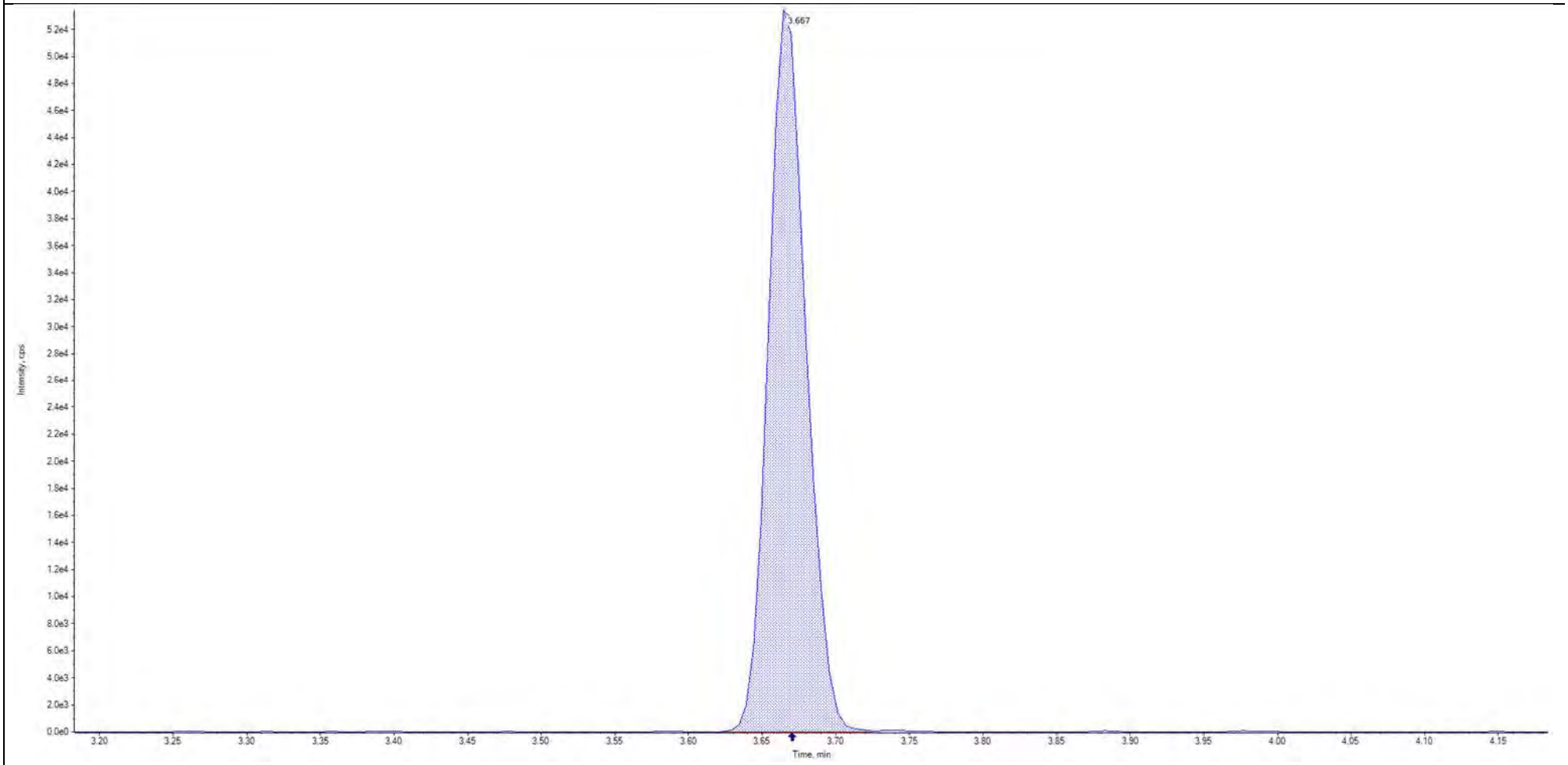
13C2-4:2FTS
Sample: IA1633STD-.2



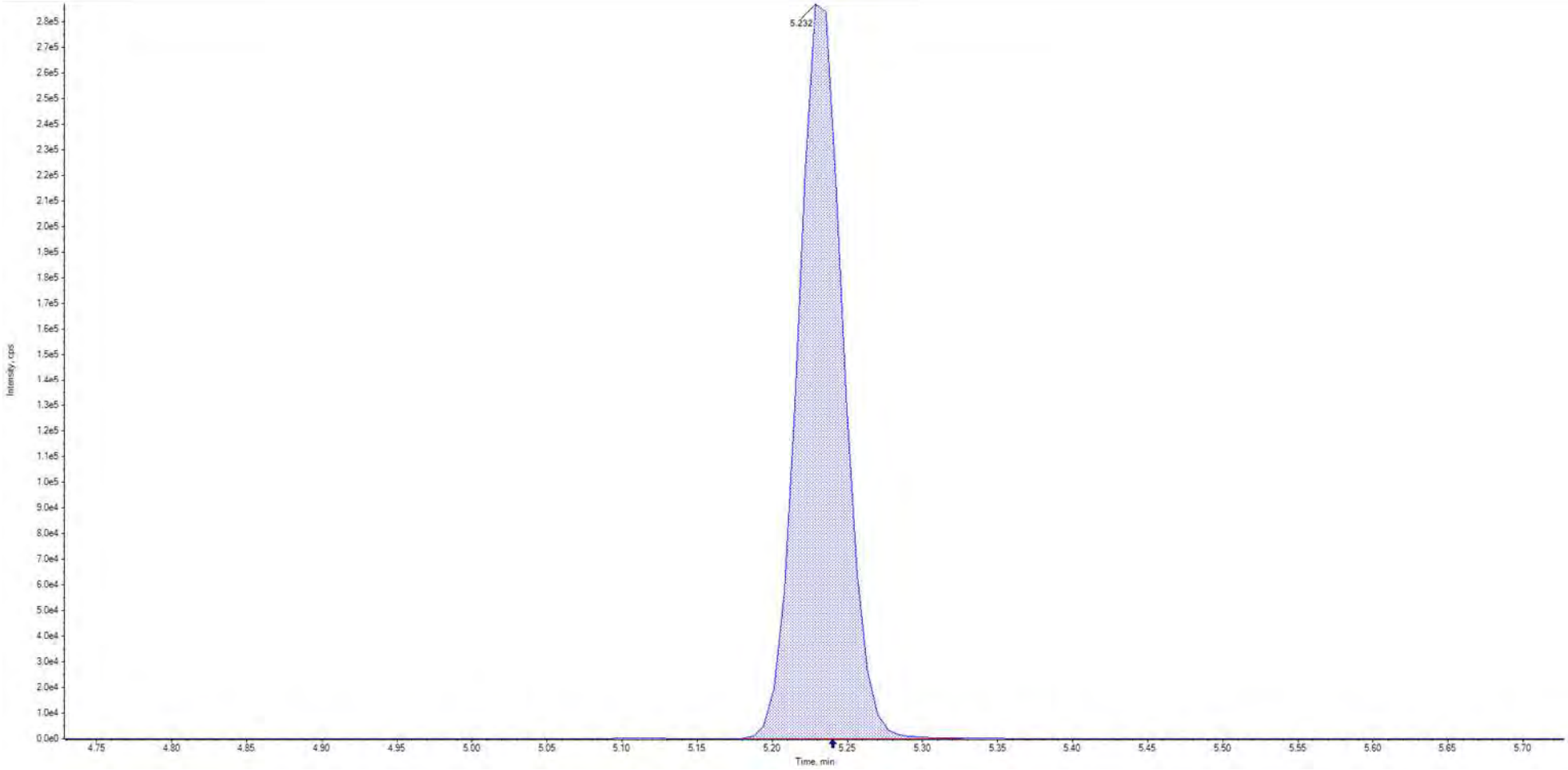
13C2-6:2FTS
Sample: IA1633STD-.2



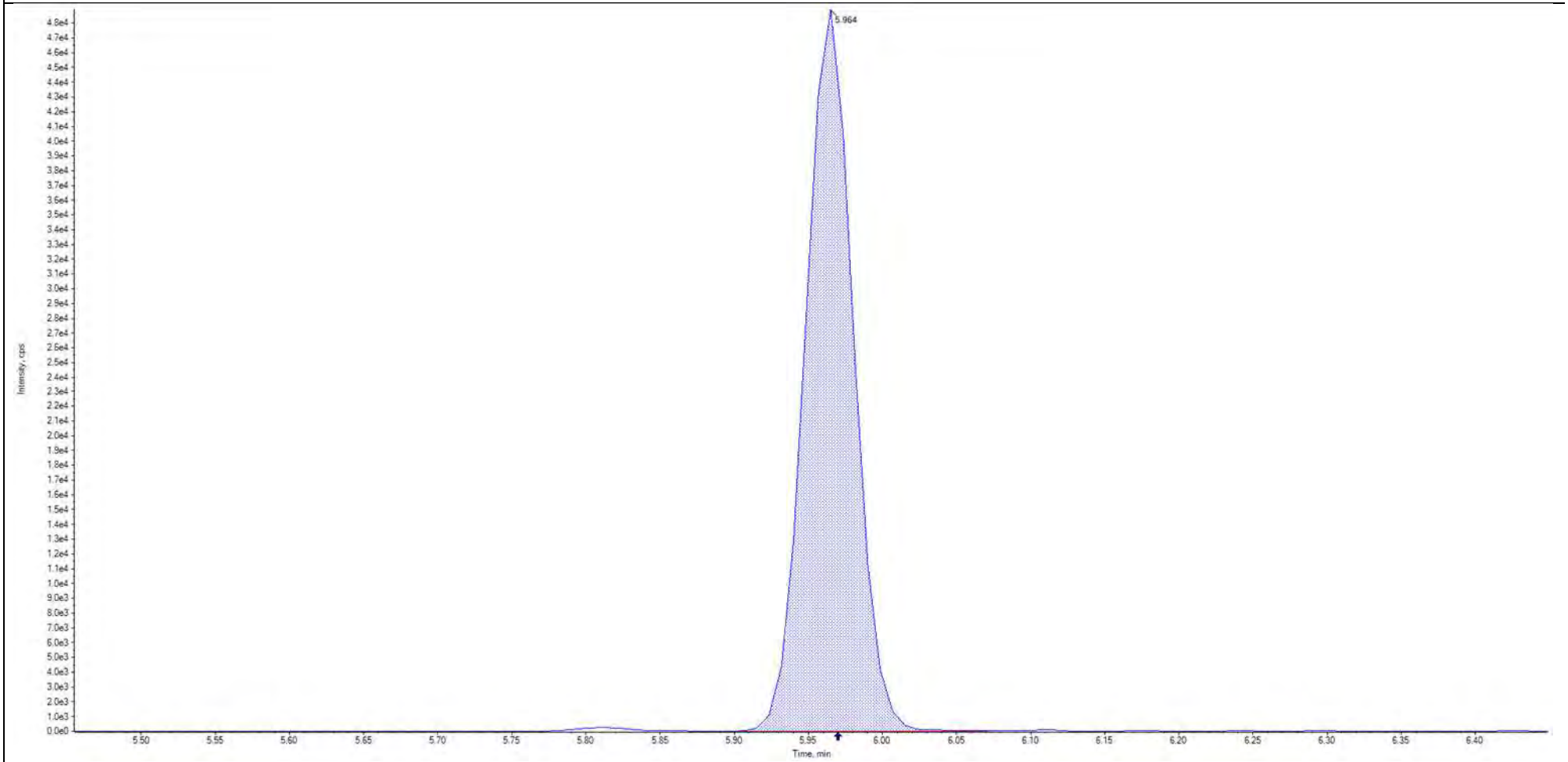
13C2-8:2FTS
Sample: IA1633STD-.2



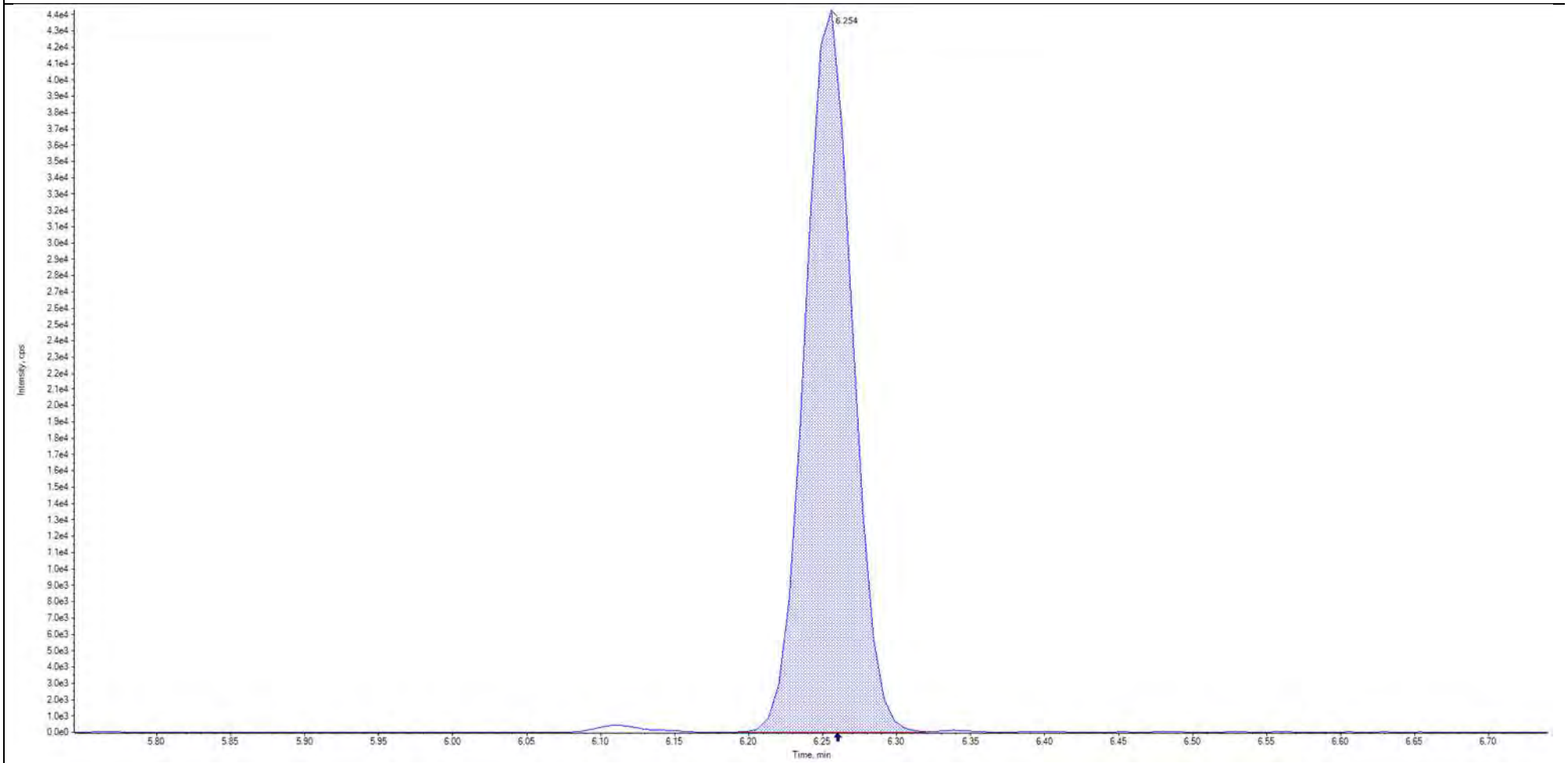
13C8-PFOSA
Sample: IA1633STD-.2



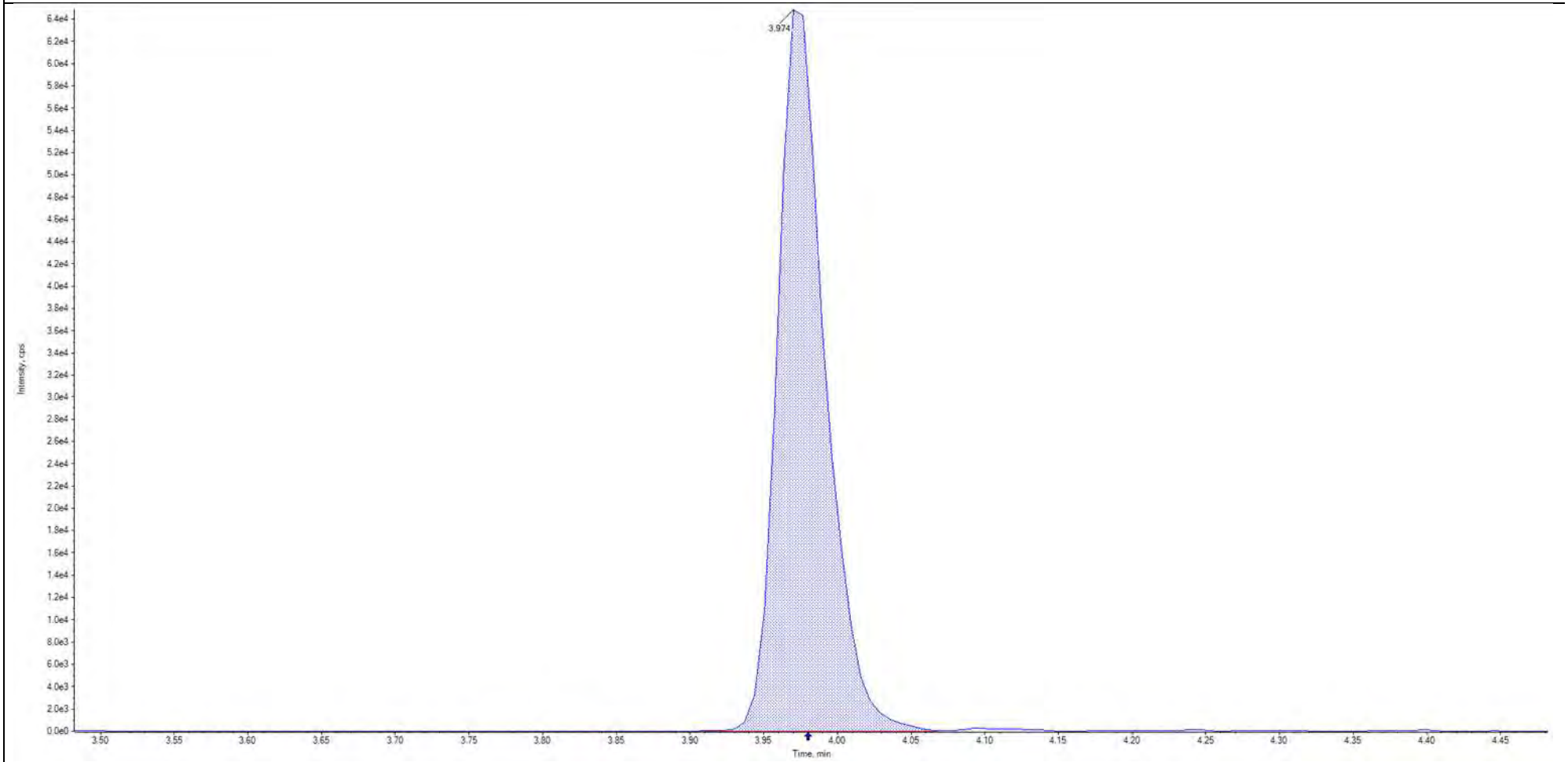
d3-NMeFOSA
Sample: IA1633STD-.2



d5-NEtFOSA
Sample: IA1633STD-.2



d3-NMeFOSAA
Sample: IA1633STD-.2



d5-NEtFOSAA
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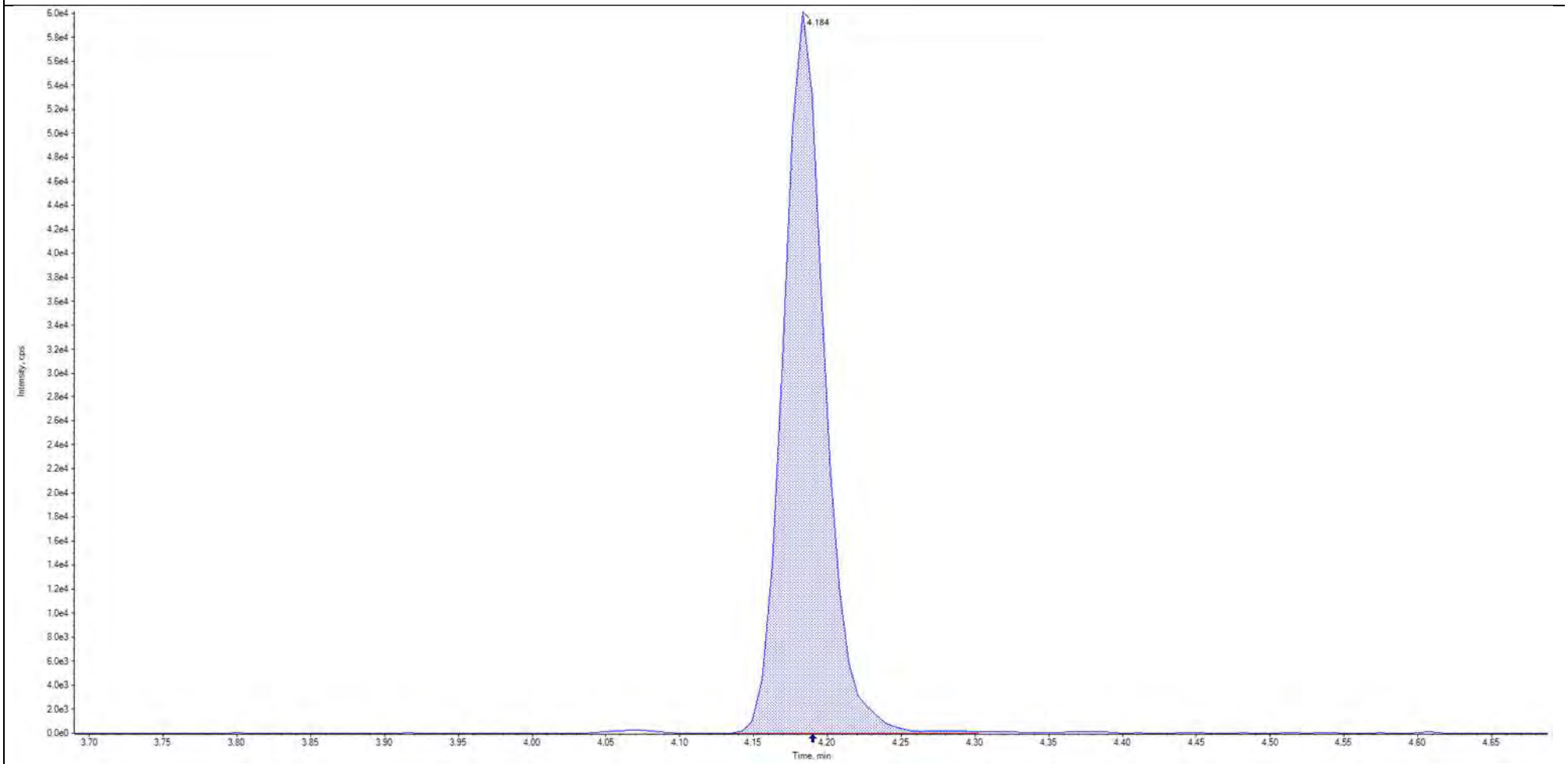
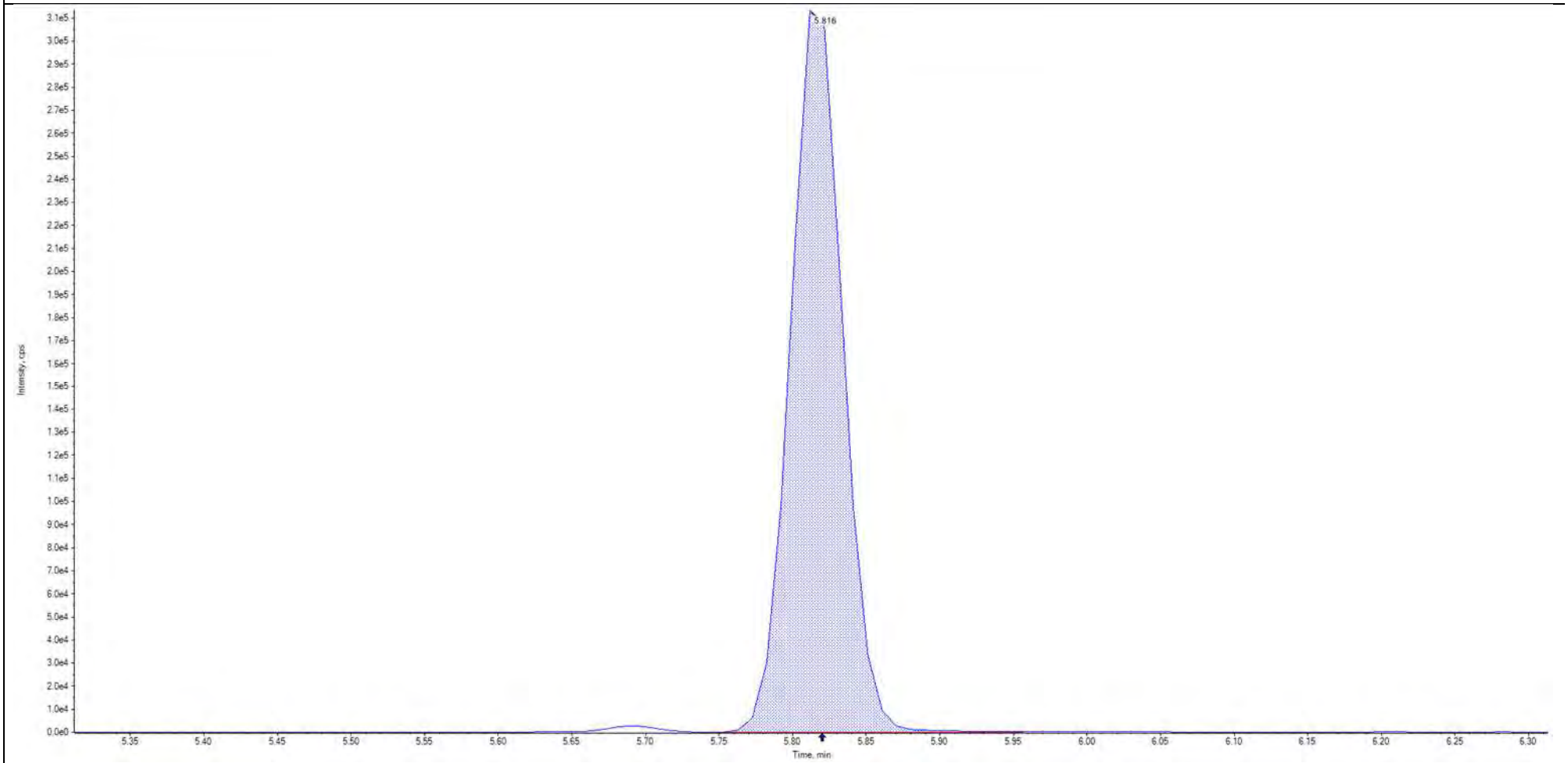
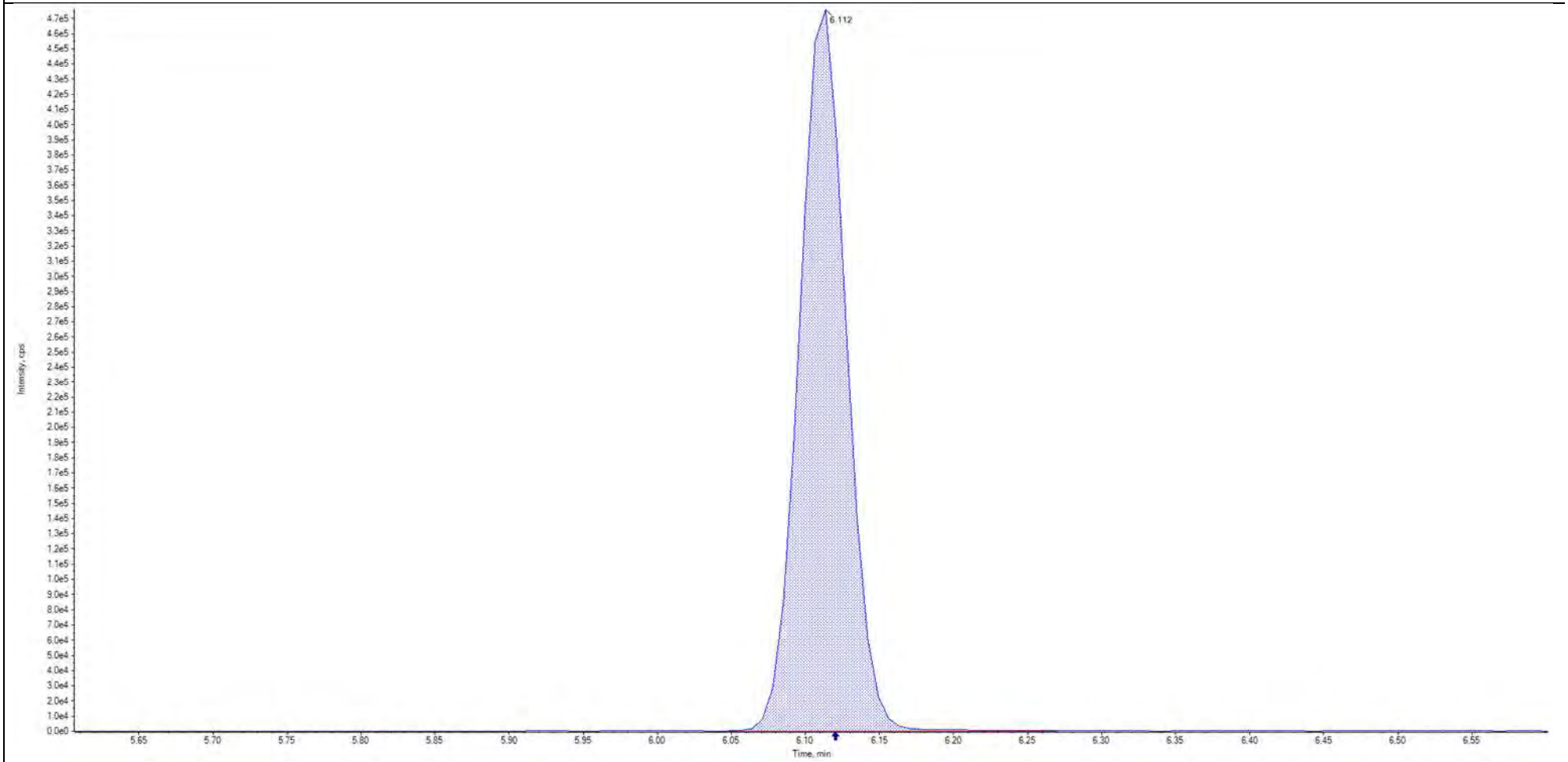


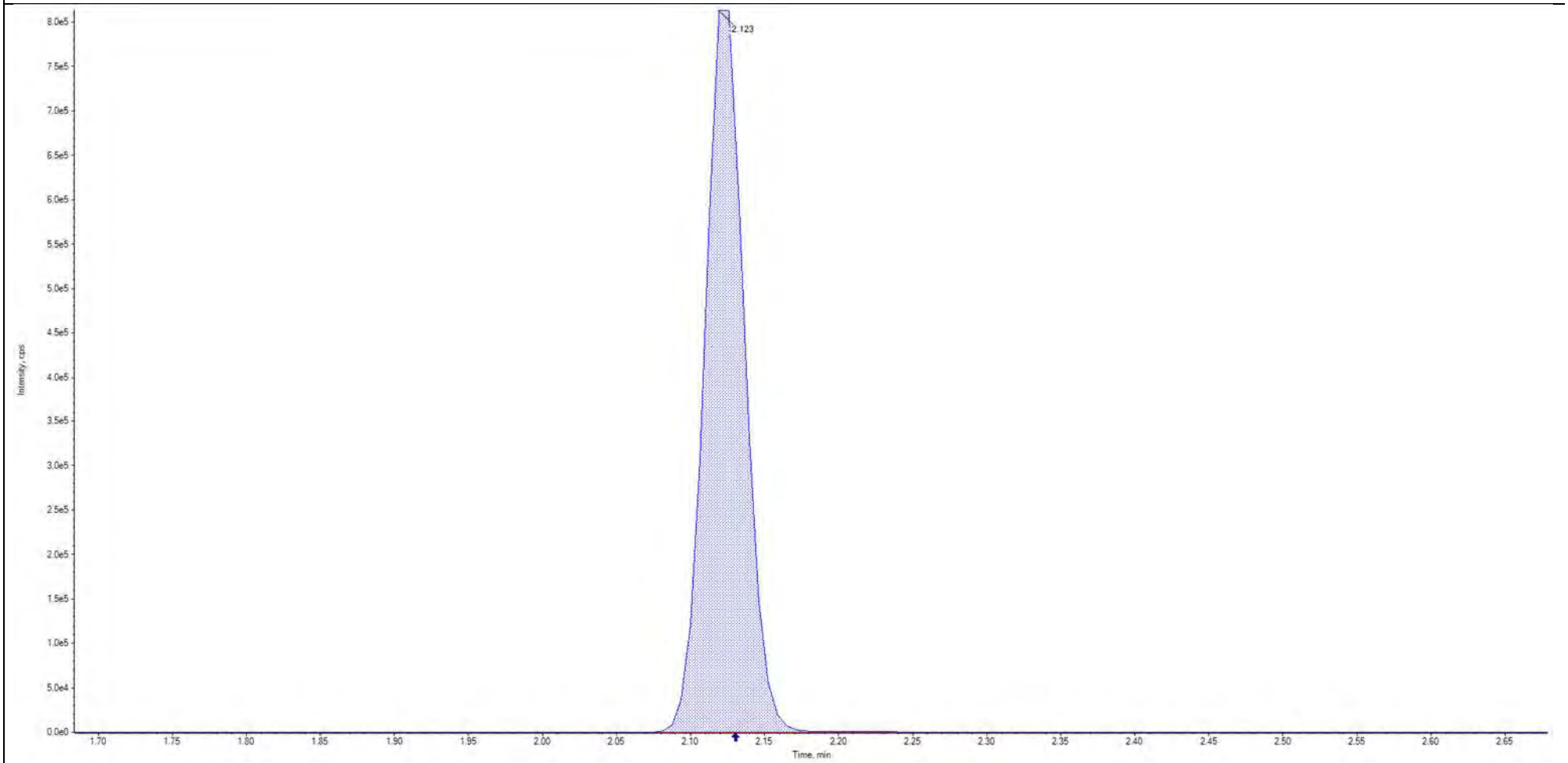
d7-NMeFOSE
Sample: IA1633STD-.2



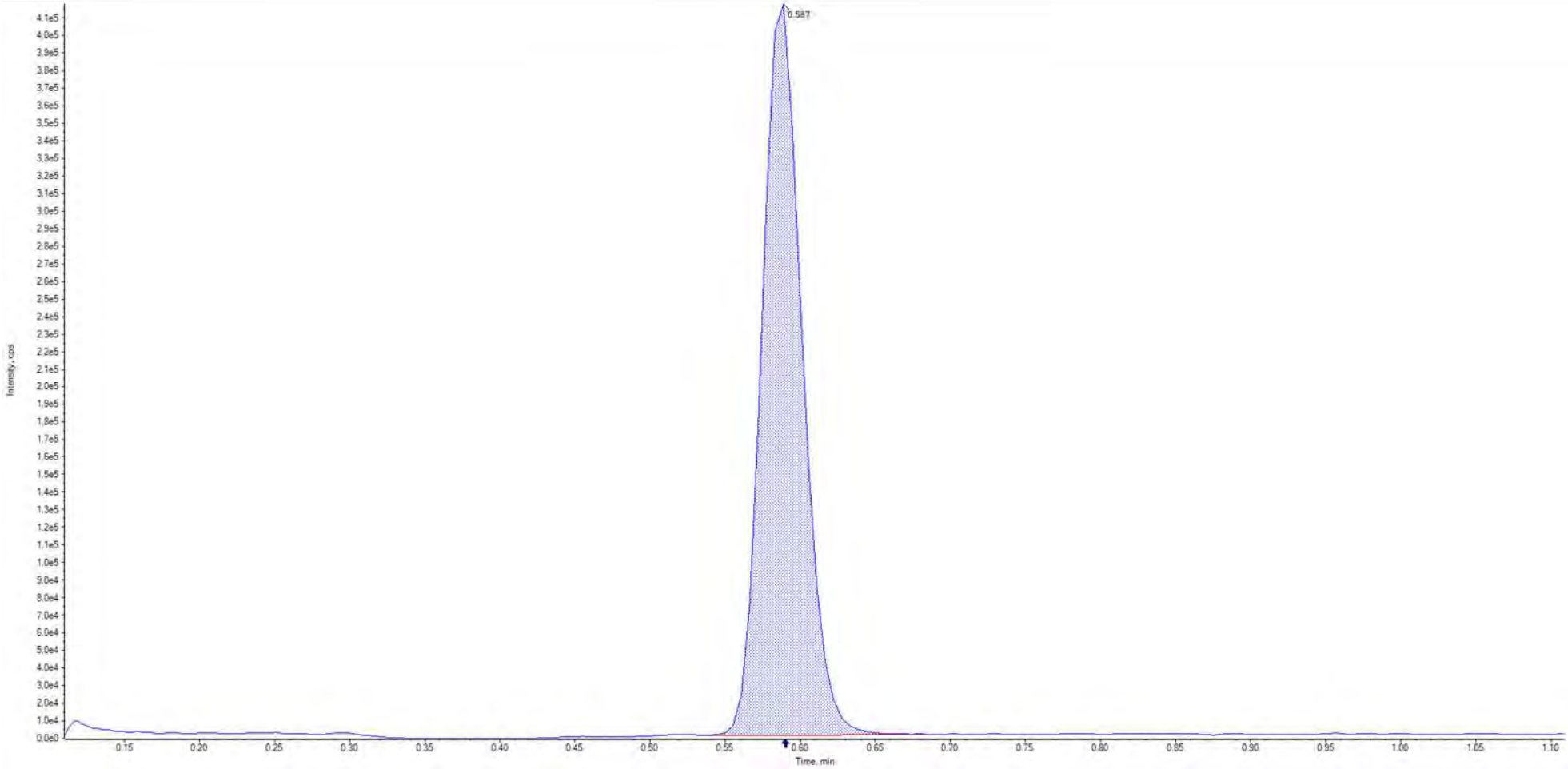
d9-NEtFOSE
Sample: IA1633STD-.2



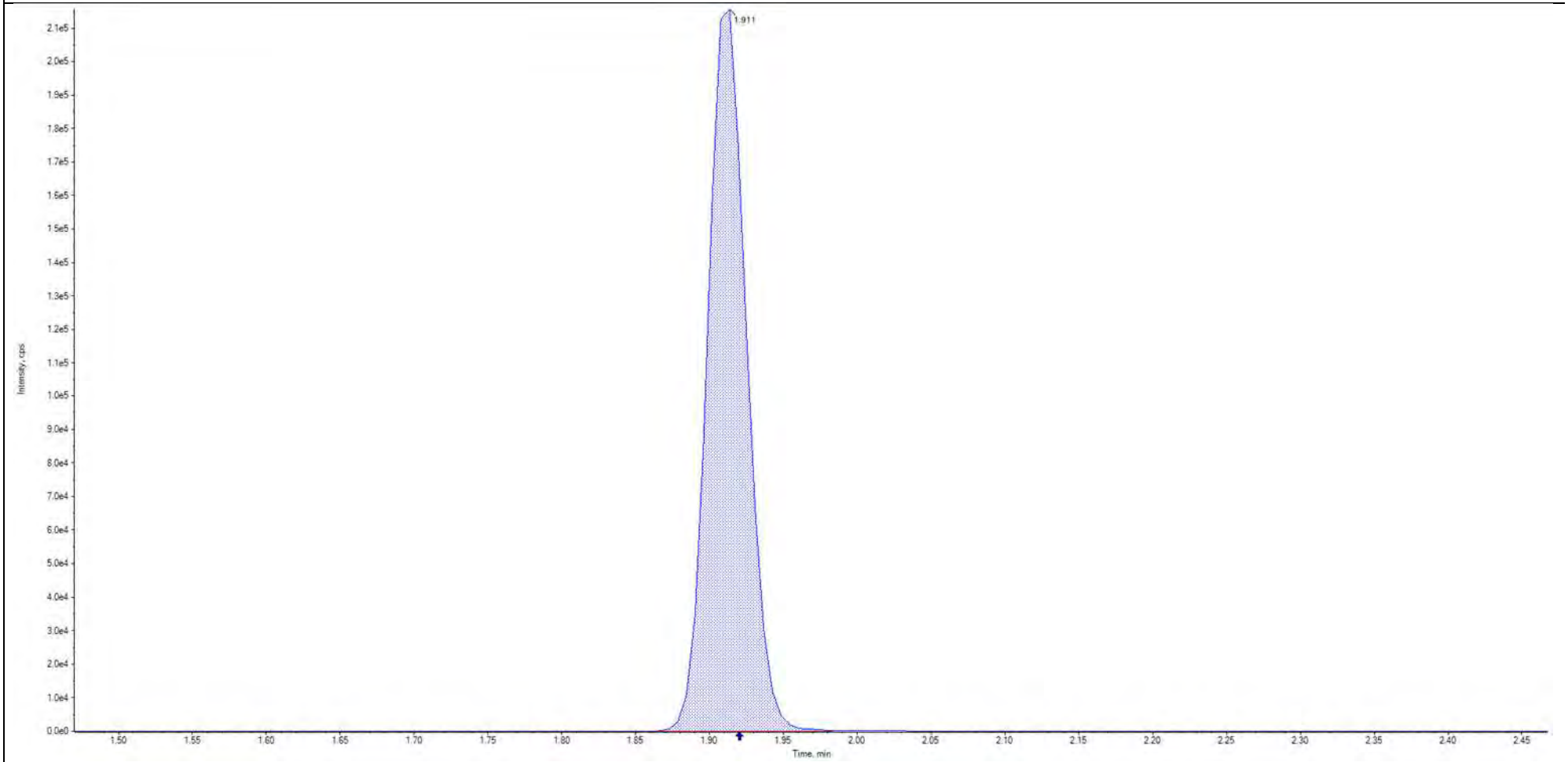
13C3-HFPO-DA
Sample: IA1633STD-.2



13C3-PFBA
Sample: IA1633STD-.2



13C2-PFHxA
Sample: IA1633STD-.2



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_23.wiff2_2
Last Altered: 3/4/2025 6:51:07 AM
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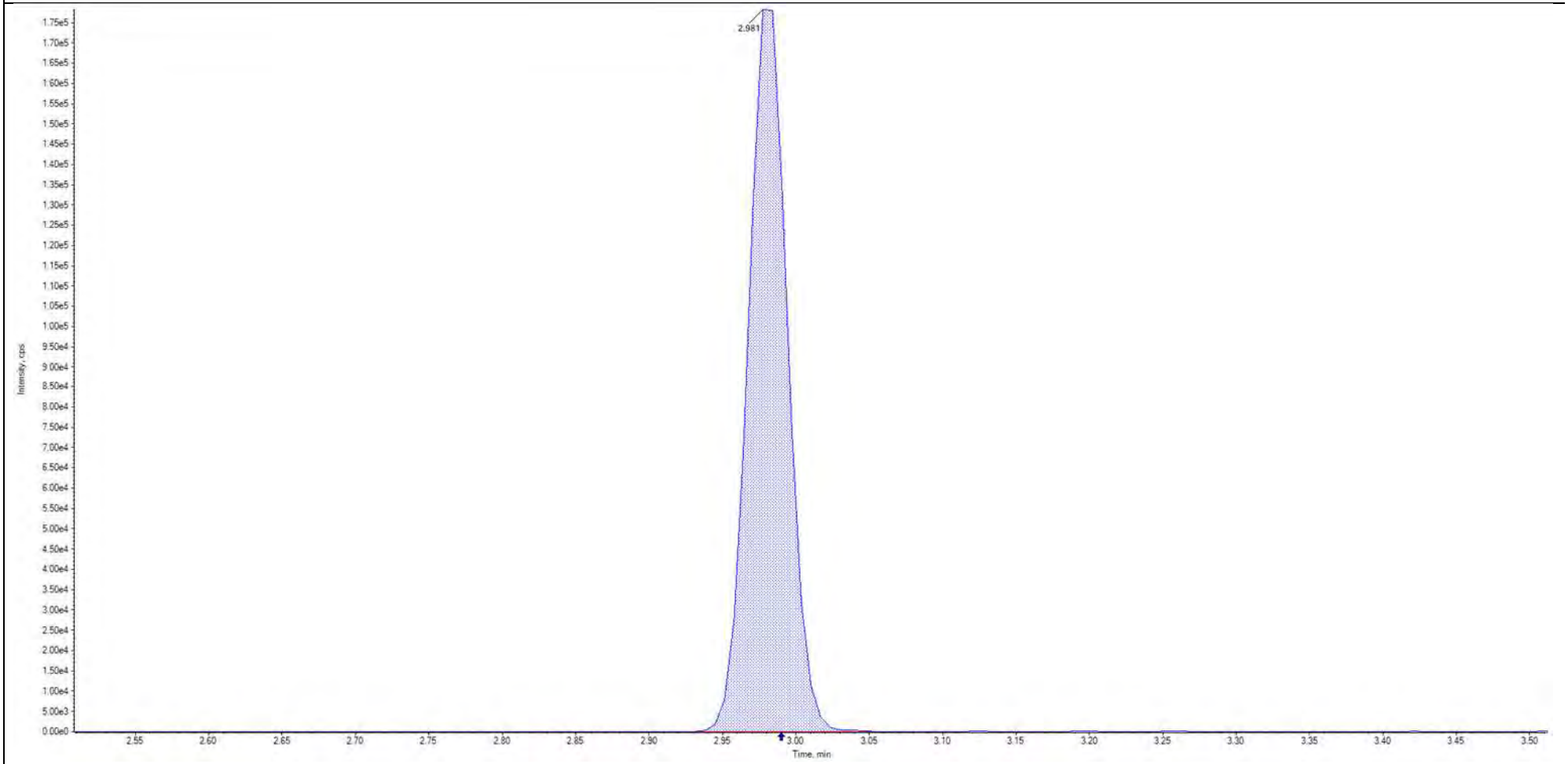
13C4-PFOA
Sample: IA1633STD-.2



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Alpha Analytical LLC
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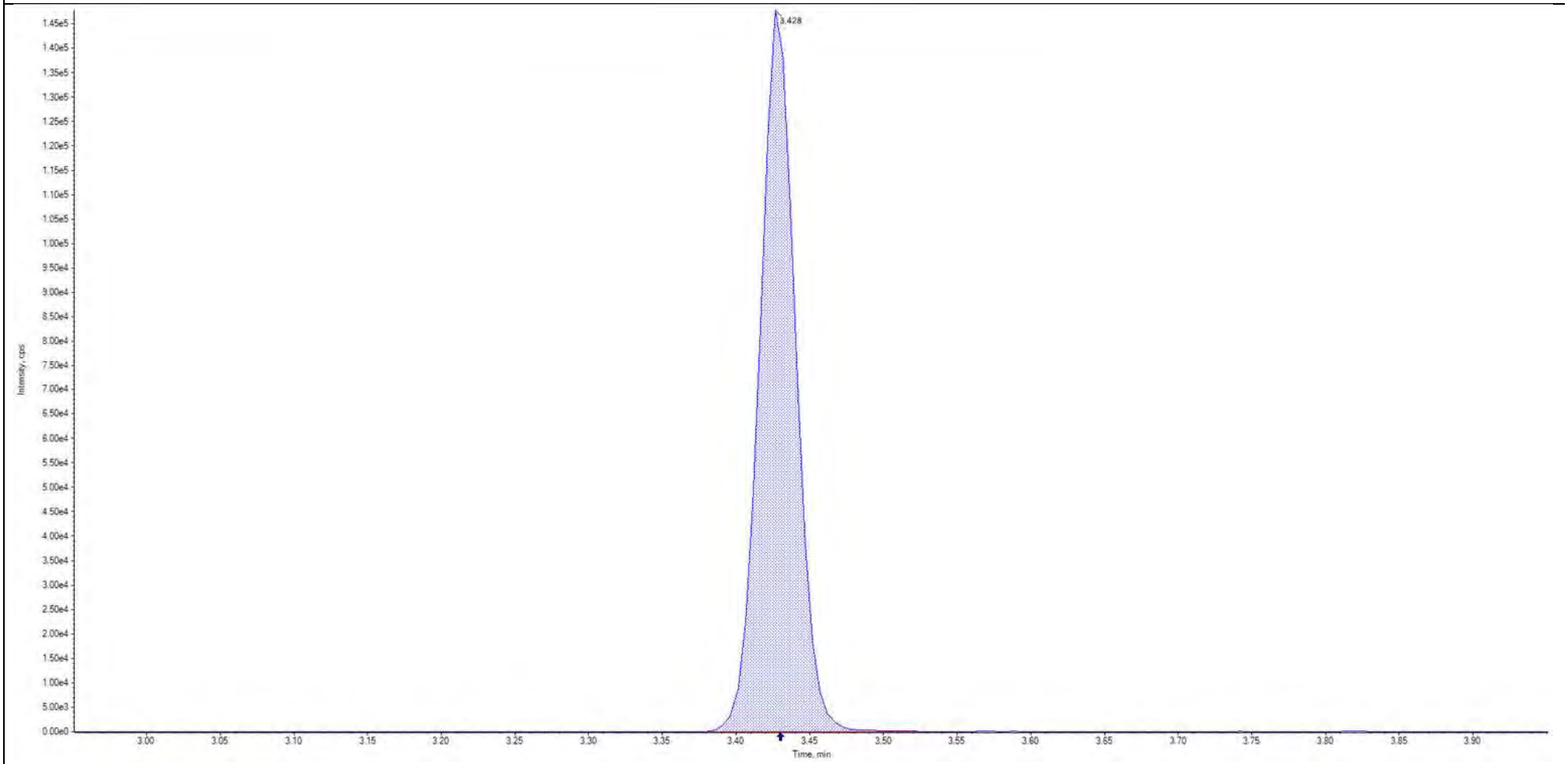
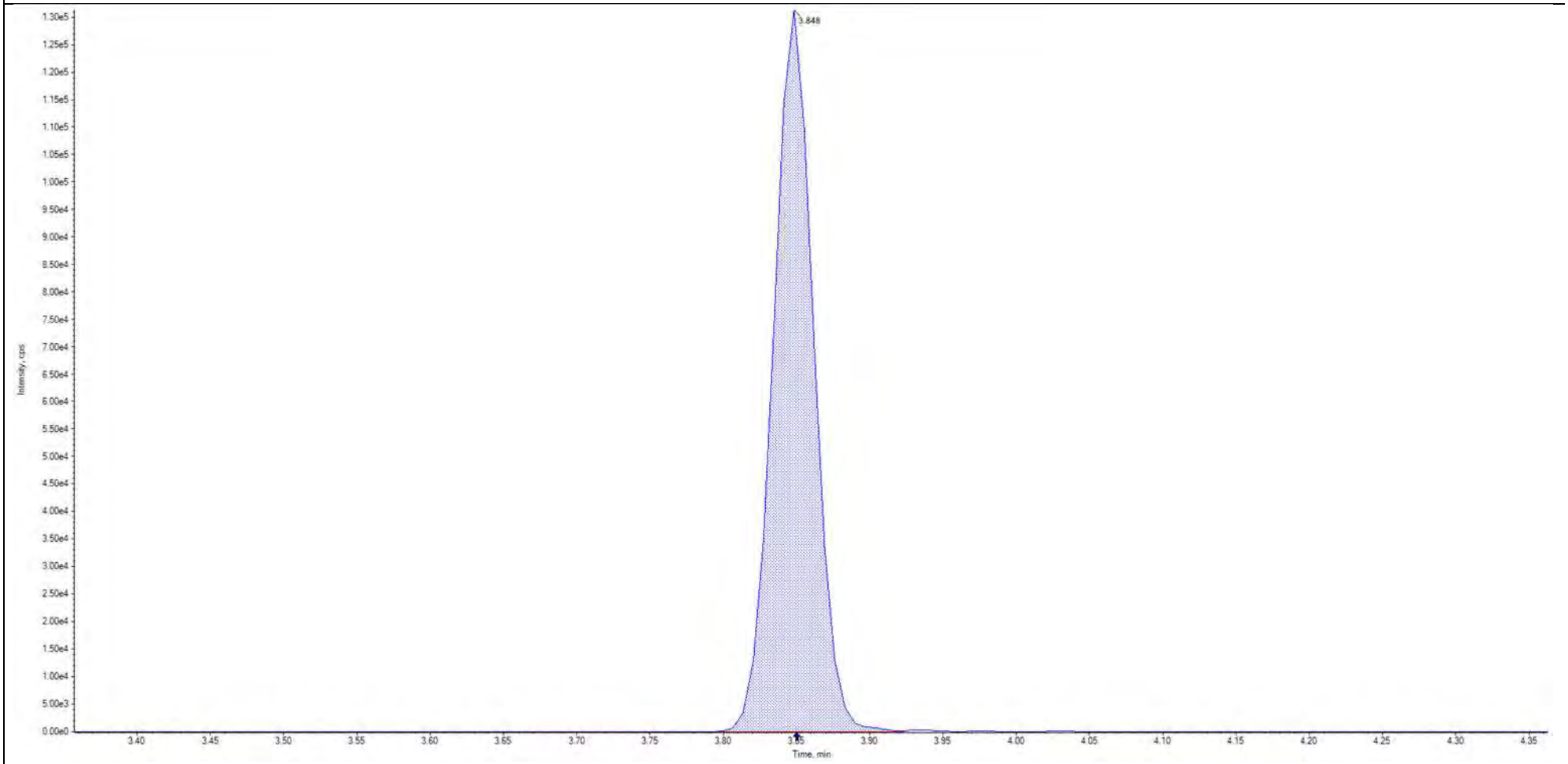
Generated: 3/3/2025 3:16:24 PM

13C5-PFNA
Sample: IA1633STD-.2



13C2-PFDA
Sample: IA1633STD-.2



18O2-PFHxS
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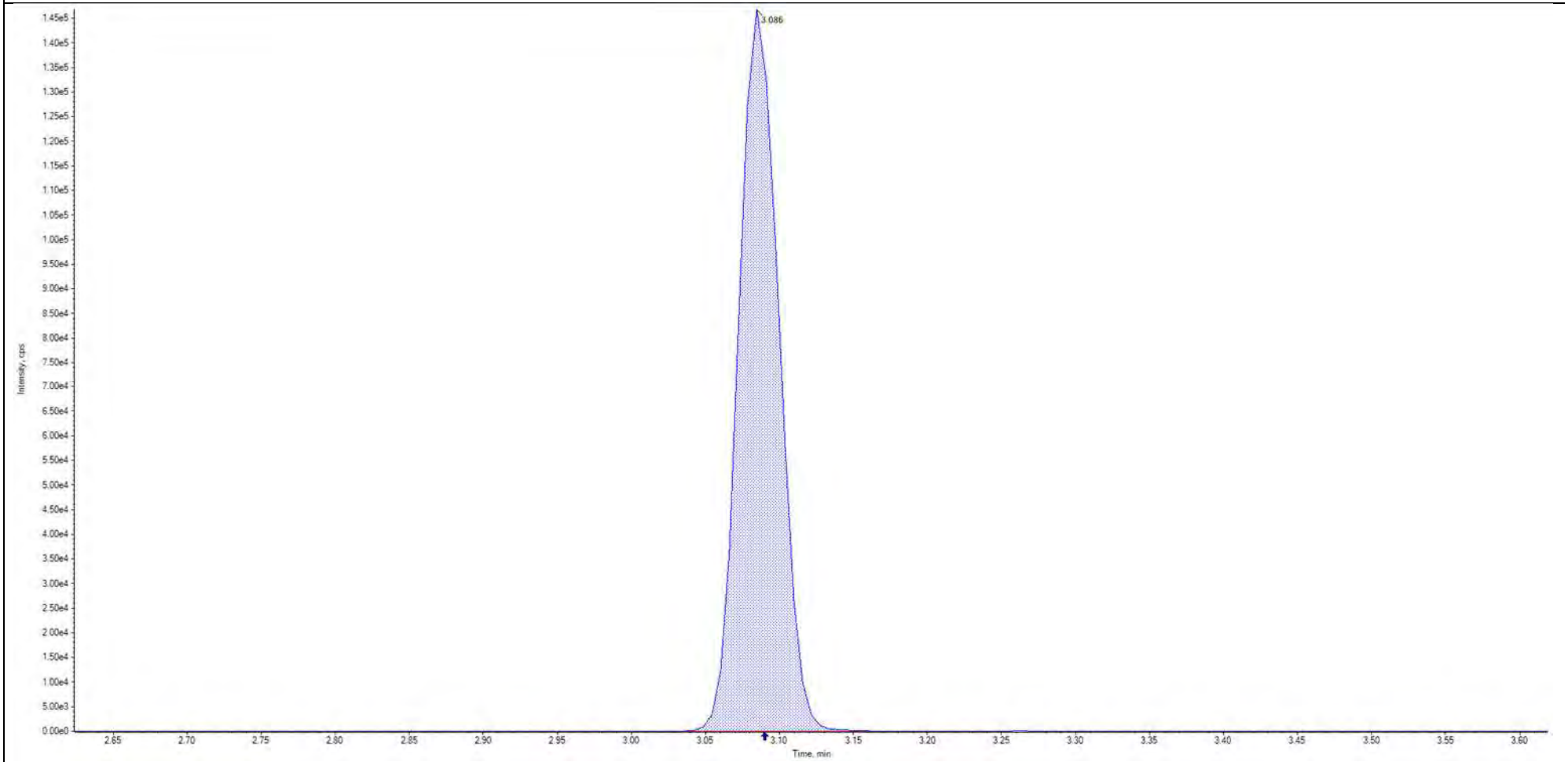

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Alpha Analytical LLC
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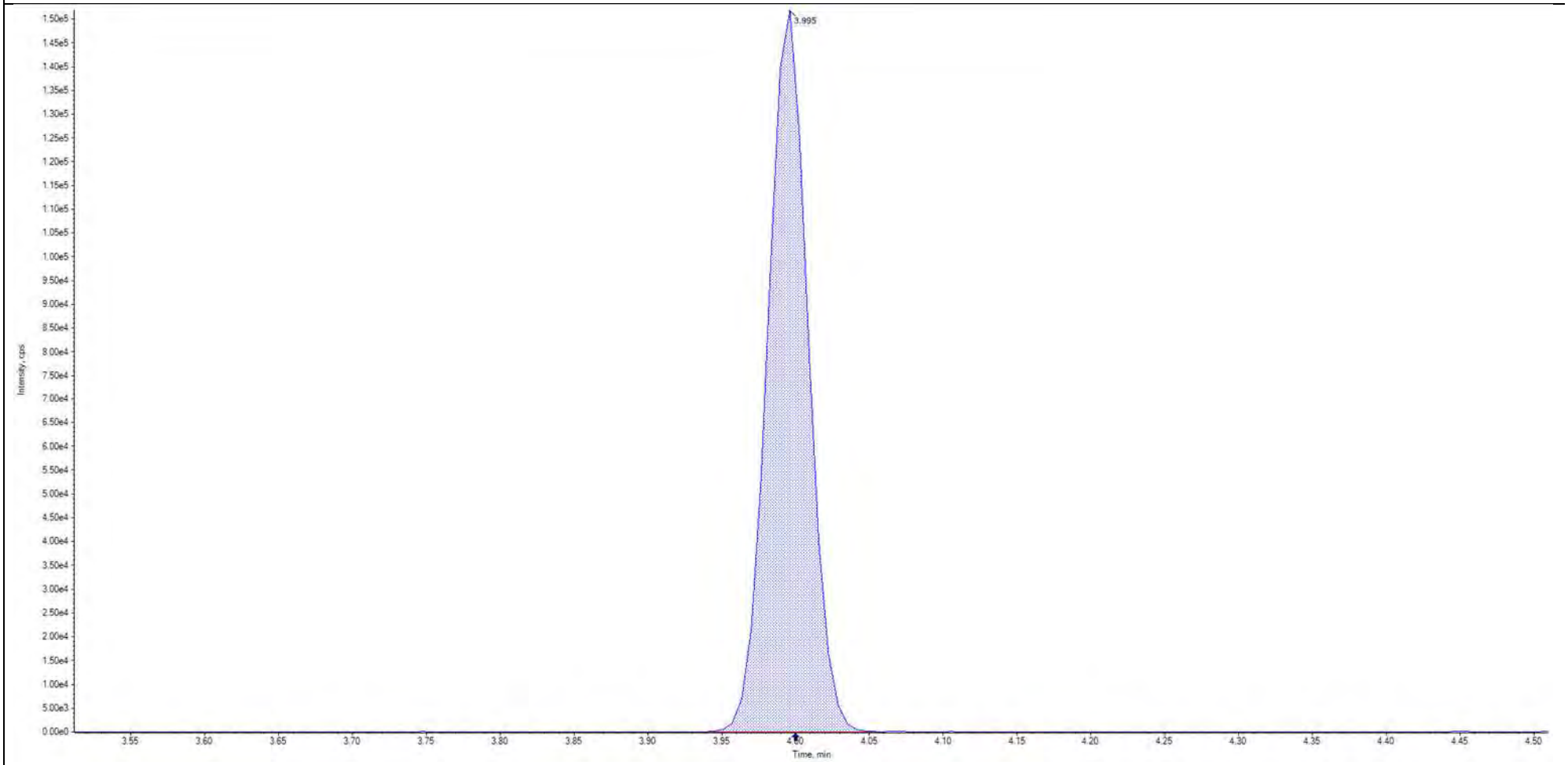
13C4-PFOS
Sample: IA1633STD-.2



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Alpha Analytical LLC
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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 6:51:07 AM
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Method: EPA1633F_250303.qmethod
Calibration: 250303_1633_ICAL

ID: IA1633STD-.5
Name: SCI09_250303_24.wiff2
Date & Time: 2025-03-03T14:59:43
Description: WG2035972,,EPA1633F_250228_CAL_L3
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | PFBA | 375-22-4 | 0.60 | 213.0 / 169.0 | 314550 | M4 | 1.860 | N/A | N/A | N/A | 93.0 |
| 2 | PFPeA | 2706-90-3 | 1.19 | 263.0 / 219.0 | 145153 | | 0.970 | 0.006 | N/A | N/A | 97.1 |
| 3 | PFPeA_2 | 2706-90-3 | 1.18 | 263.0 / 68.9 | 823 | M2 | 0.785 | 0.006 | N/A | N/A | 78.5 |
| 4 | PFHxA | 307-24-4 | 1.93 | 313.0 / 269.0 | 89541 | | 0.486 | 0.089 | 0.081 | Pass | 97.2 |
| 5 | PFHxA_2 | 307-24-4 | 1.93 | 313.0 / 119.0 | 7944 | | 0.507 | 0.089 | 0.081 | Pass | 101.4 |
| 6 | PFHpA | 375-85-9 | 2.51 | 363.1 / 319.0 | 100230 | | 0.465 | 0.381 | 0.373 | Pass | 93.1 |
| 7 | PFHpA_2 | 375-85-9 | 2.51 | 363.1 / 169.0 | 38173 | | 0.449 | 0.381 | 0.373 | Pass | 89.8 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | PFOA | 335-67-1 | 3.00 | 413.1 / 369.1 | 104430 | M5 | 0.465 | 0.407 | 0.424 | Pass | 93.0 |
| 9 | PFOA_2 | 335-67-1 | 3.00 | 413.1 / 169.0 | 42500 | M5 | 0.447 | 0.407 | 0.424 | Pass | 89.4 |
| 10 | PFNA | 375-95-1 | 3.44 | 462.8 / 418.9 | 68495 | M5 | 0.464 | 0.459 | 0.493 | Pass | 92.8 |
| 11 | PFNA_2 | 375-95-1 | 3.44 | 462.8 / 219.0 | 31450 | M5 | 0.438 | 0.459 | 0.493 | Pass | 87.5 |
| 12 | PFDA | 335-76-2 | 3.86 | 513.1 / 469.1 | 109021 | | 0.505 | 0.163 | 0.188 | Pass | 100.9 |
| 13 | PFDA_2 | 335-76-2 | 3.86 | 513.1 / 219.0 | 17740 | | 0.446 | 0.163 | 0.188 | Pass | 89.2 |
| 14 | PFUnA | 2058-94-8 | 4.26 | 563.1 / 519.1 | 112775 | | 0.481 | 0.138 | 0.146 | Pass | 96.3 |
| 15 | PFUnA_2 | 2058-94-8 | 4.26 | 563.1 / 269.0 | 15582 | | 0.463 | 0.138 | 0.146 | Pass | 92.6 |
| 16 | PFDoA | 307-55-1 | 4.65 | 613.1 / 569.1 | 124129 | | 0.499 | 0.129 | 0.142 | Pass | 99.8 |
| 17 | PFDoA_2 | 307-55-1 | 4.65 | 613.1 / 319.0 | 15965 | | 0.466 | 0.129 | 0.142 | Pass | 93.1 |
| 18 | PFTrDA | 72629-94-8 | 5.04 | 663.1 / 619.1 | 107187 | | 0.491 | 0.157 | 0.152 | Pass | 98.1 |
| 19 | PFTrDA_2 | 72629-94-8 | 5.04 | 663.1 / 169.0 | 16803 | | 0.501 | 0.157 | 0.152 | Pass | 100.1 |
| 20 | PFTeDA | 376-06-7 | 5.40 | 713.1 / 669.1 | 97120 | | 0.512 | 0.155 | 0.154 | Pass | 102.5 |
| 21 | PFTeDA_2 | 376-06-7 | 5.41 | 713.1 / 169.0 | 15069 | | 0.487 | 0.155 | 0.154 | Pass | 97.4 |
| 22 | PFBS | 375-73-5 | 1.93 | 299.1 / 80.1 | 71222 | | 0.390 | 0.383 | 0.374 | Pass | 87.8 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | PFBS_2 | 375-73-5 | 1.93 | 299.1 / 99.1 | 27262 | | 0.428 | 0.383 | 0.374 | Pass | 91.1 |
| 24 | PFPeS | 2706-91-4 | 2.57 | 349.1 / 80.1 | 71445 | | 0.468 | 0.343 | 0.314 | Pass | 99.6 |
| 25 | PFPeS_2 | 2706-91-4 | 2.57 | 349.1 / 99.1 | 24535 | | 0.512 | 0.343 | 0.314 | Pass | 109.0 |
| 26 | PFHxS | 355-46-4 | 3.10 | 399.1 / 80.1 | 58304 | M5 | 0.418 | 0.275 | 0.306 | Pass | 91.8 |
| 27 | PFHxS_2 | 355-46-4 | 3.10 | 399.1 / 99.1 | 16014 | M5 | 0.397 | 0.275 | 0.306 | Pass | 87.1 |
| 28 | PFHpS | 375-92-8 | 3.57 | 449.1 / 80.1 | 63766 | | 0.463 | 0.331 | 0.316 | Pass | 97.2 |
| 29 | PFHpS_2 | 375-92-8 | 3.57 | 449.1 / 99.1 | 21130 | | 0.501 | 0.331 | 0.316 | Pass | 105.2 |
| 30 | PFOS | 1763-23-1 | 4.01 | 499.1 / 80.1 | 74213 | M5 | 0.443 | 0.264 | 0.244 | Pass | 95.4 |
| 31 | PFOS_2 | 1763-23-1 | 4.01 | 499.1 / 99.1 | 19615 | M5 | 0.466 | 0.264 | 0.244 | Pass | 100.3 |
| 32 | PFNS | 68259-12-1 | 4.42 | 549.1 / 80.1 | 55507 | | 0.486 | 0.287 | 0.294 | Pass | 101.3 |
| 33 | PFNS_2 | 68259-12-1 | 4.42 | 549.1 / 99.1 | 15923 | | 0.488 | 0.287 | 0.294 | Pass | 101.6 |
| 34 | PFDS | 335-77-3 | 4.82 | 599.1 / 80.1 | 54400 | | 0.485 | 0.274 | 0.290 | Pass | 100.6 |
| 35 | PFDS_2 | 335-77-3 | 4.82 | 599.1 / 99.1 | 14931 | | 0.471 | 0.274 | 0.290 | Pass | 97.8 |
| 36 | PFDoS | 79780-39-5 | 5.56 | 699.2 / 80.1 | 48558 | | 0.475 | 0.243 | 0.256 | Pass | 98.2 |
| 37 | PFDoS_2 | 79780-39-5 | 5.56 | 699.2 / 99.1 | 11817 | | 0.449 | 0.243 | 0.256 | 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 | 1.72 | 327.1 / 307.1 | 60344 | | 1.788 | 0.680 | 0.650 | Pass | 95.6 |
| 39 | 4:2FTS_2 | 757124-72-4 | 1.72 | 327.1 / 81.1 | 41053 | | 1.885 | 0.680 | 0.650 | Pass | 100.8 |
| 40 | 6:2FTS | 27619-97-2 | 2.81 | 427.2 / 407.2 | 56508 | | 1.978 | 0.696 | 0.620 | Pass | 104.1 |
| 41 | 6:2FTS_2 | 27619-97-2 | 2.81 | 427.2 / 81.1 | 39310 | | 2.147 | 0.696 | 0.620 | Pass | 113.0 |
| 42 | 8:2FTS | 39108-34-4 | 3.68 | 527.2 / 507.2 | 49749 | | 1.989 | 0.613 | 0.676 | Pass | 103.6 |
| 43 | 8:2FTS_2 | 39108-34-4 | 3.68 | 527.2 / 81.1 | 30499 | | 1.771 | 0.613 | 0.676 | Pass | 92.2 |
| 44 | PFOSA | 754-91-6 | 5.25 | 498.1 / 78.1 | 92361 | M5 | 0.477 | 0.025 | 0.026 | Pass | 95.4 |
| 45 | PFOSA_2 | 754-91-6 | 5.25 | 498.1 / 478.0 | 2328 | M5 | 0.466 | 0.025 | 0.026 | Pass | 93.1 |
| 46 | NMeFOSA | 31506-32-8 | 5.98 | 512.2 / 219.0 | 21343 | M5 | 0.450 | 1.469 | 1.377 | Pass | 89.9 |
| 47 | NMeFOSA_2 | 31506-32-8 | 5.94 | 512.2 / 169.0 | 31363 | M5 | 0.475 | 1.469 | 1.377 | Pass | 95.1 |
| 48 | NEtFOSA | 4151-50-2 | 6.28 | 526.2 / 219.0 | 21494 | M5 | 0.460 | 1.295 | 1.292 | Pass | 92.0 |
| 49 | NEtFOSA_2 | 4151-50-2 | 6.23 | 526.2 / 169.0 | 27829 | M5 | 0.477 | 1.295 | 1.292 | Pass | 95.4 |
| 50 | NMeFOSAA | 2355-31-9 | 3.99 | 570.2 / 419.1 | 13391 | | 0.494 | 0.739 | 0.697 | Pass | 98.7 |
| 51 | NMeFOSAA_2 | 2355-31-9 | 3.99 | 570.2 / 483.0 | 9898 | | 0.508 | 0.739 | 0.697 | Pass | 101.6 |
| 52 | NEtFOSAA | 2991-50-6 | 4.20 | 584.2 / 419.1 | 11391 | M5 | 0.459 | 0.644 | 0.557 | Pass | 91.8 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | NEtFOSAA_2 | 2991-50-6 | 4.20 | 584.2 / 526.2 | 7335 | M5 | 0.536 | 0.644 | 0.557 | Pass | 107.2 |
| 54 | NMeFOSE | 24448-09-7 | 5.85 | 616.1 / 58.9 | 320914 | M5 | 4.602 | N/A | N/A | N/A | 92.1 |
| 55 | NEtFOSE | 1691-99-2 | 6.15 | 630.0 / 58.9 | 476061 | M5 | 4.780 | N/A | N/A | N/A | 95.6 |
| 56 | HFPO-DA | 13252-13-6 | 2.14 | 285.0 / 169.0 | 301471 | | 2.005 | 0.518 | 0.501 | Pass | 100.2 |
| 57 | HFPO-DA_2 | 13252-13-6 | 2.14 | 285.0 / 184.9 | 156093 | | 1.969 | 0.518 | 0.501 | Pass | 98.4 |
| 58 | ADONA | 919005-14-4 | 2.69 | 376.9 / 251.0 | 524770 | | 1.653 | 0.754 | 0.691 | Pass | 87.5 |
| 59 | ADONA_2 | 919005-14-4 | 2.69 | 376.9 / 84.8 | 395636 | | 1.881 | 0.754 | 0.691 | Pass | 99.5 |
| 60 | 9Cl-PF3ONS | 756426-58-1 | 4.29 | 530.8 / 351.1 | 588976 | | 2.061 | 0.330 | 0.332 | Pass | 110.2 |
| 61 | 9Cl-PF3ONS_2 | 756426-58-1 | 4.29 | 532.8 / 353.0 | 194216 | | 2.045 | 0.330 | 0.332 | Pass | 109.3 |
| 62 | 11Cl-PF3OUdS | 763051-92-9 | 5.08 | 630.9 / 451.0 | 494647 | | 2.047 | 0.309 | 0.322 | Pass | 108.3 |
| 63 | 11Cl-PF3OUdS_2 | 763051-92-9 | 5.08 | 632.9 / 452.9 | 153068 | | 1.973 | 0.309 | 0.322 | Pass | 104.4 |
| 64 | 3:3FTCA | 356-02-5 | 1.57 | 241.1 / 177.1 | 26619 | | 2.305 | 1.183 | 1.010 | Pass | 92.2 |
| 65 | 3:3FTCA_2 | 356-02-5 | 1.57 | 241.1 / 117.0 | 31487 | | 2.511 | 1.183 | 1.010 | Pass | 100.4 |
| 66 | 5:3FTCA | 914637-49-3 | 3.04 | 341.1 / 237.1 | 610827 | | 13.255 | 0.947 | 1.017 | Pass | 106.0 |
| 67 | 5:3FTCA_2 | 914637-49-3 | 3.04 | 341.1 / 217.0 | 578544 | | 12.460 | 0.947 | 1.017 | Pass | 99.7 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 7:3FTCA | 812-70-4 | 4.07 | 441.1 / 316.9 | 453957 | | 11.334 | 1.408 | 1.343 | Pass | 90.7 |
| 69 | 7:3FTCA_2 | 812-70-4 | 4.07 | 441.1 / 337.1 | 638961 | | 12.068 | 1.408 | 1.343 | Pass | 96.6 |
| 70 | PFEESA | 113507-82-7 | 2.23 | 315.1 / 135.0 | 452001 | | 0.944 | 0.083 | 0.081 | Pass | 105.8 |
| 71 | PFEESA_2 | 113507-82-7 | 2.23 | 315.1 / 82.9 | 37325 | | 0.948 | 0.083 | 0.081 | Pass | 106.2 |
| 72 | PFMPA | 377-73-1 | 0.76 | 229.0 / 85.0 | 154033 | | 0.871 | N/A | N/A | N/A | 87.1 |
| 73 | PFMBA | 863090-89-5 | 1.45 | 279.0 / 85.0 | 168417 | | 0.984 | N/A | N/A | N/A | 98.4 |
| 74 | NFDHA | 151772-58-6 | 1.85 | 295.0 / 201.0 | 121871 | | 0.972 | 0.663 | 0.681 | Pass | 97.2 |
| 75 | NFDHA_2 | 151772-58-6 | 1.85 | 295.0 / 84.9 | 80800 | | 0.911 | 0.663 | 0.681 | Pass | 91.1 |
| 76 | TDCA | 516-50-7 | 2.68 | 499.1 / 124.1 | 168518 | | 0.890 | 5.544 | 5.680 | Pass | N/A |
| 77 | TDCA_2 | 516-50-7 | 2.68 | 499.1 / 79.9 | 934220 | | 0.876 | 5.544 | 5.680 | Pass | N/A |
| 78 | 13C2D4-4:2FTS | Surr | 1.71 | 333.2 / 312.1 | 118454 | | 4.693 | N/A | N/A | N/A | 93.9 |
| 79 | 13C2-PFOA | Surr | 2.99 | 415.0 / 370.0 | 307805 | | 2.407 | 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 | 0.60 | 217.0 / 172.0 | 1892297 | | 10.580 | NA | NA | NA | 105.8 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C5-PFPeA | EIS | 1.18 | 268.0 / 223.0 | 779247 | | 5.058 | NA | NA | NA | 101.2 |
| | 13C5-PFHxA | EIS | 1.92 | 318.0 / 273.0 | 359772 | | 2.484 | NA | NA | NA | 99.3 |
| | 13C4-PFHpA | EIS | 2.50 | 367.0 / 322.0 | 370872 | | 2.654 | NA | NA | NA | 106.2 |
| | 13C8-PFOA | EIS | 2.99 | 420.8 / 376.0 | 656904 | | 2.857 | NA | NA | NA | 114.3 |
| | 13C9-PFNA | EIS | 3.44 | 472.0 / 427.0 | 273569 | | 1.298 | NA | NA | NA | 103.9 |
| | 13C6-PFDA | EIS | 3.86 | 519.0 / 474.0 | 305483 | | 1.378 | NA | NA | NA | 110.3 |
| | 13C7-PFUnA | EIS | 4.26 | 570.0 / 525.0 | 345914 | | 1.414 | NA | NA | NA | 113.1 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C2-PFDoA | EIS | 4.65 | 615.1 / 570.0 | 329034 | | 1.337 | NA | NA | NA | 107.0 |
| | 13C2-PFTeDA | EIS | 5.40 | 715.1 / 670.1 | 208466 | | 1.306 | NA | NA | NA | 104.5 |
| | 13C3-PFBS | EIS | 1.92 | 302.1 / 80.1 | 400542 | | 2.798 | NA | NA | NA | 120.1 |
| | 13C3-PFHxS | EIS | 3.10 | 402.1 / 80.1 | 318819 | | 2.506 | NA | NA | NA | 105.7 |
| | 13C8-PFOS | EIS | 4.01 | 507.1 / 80.1 | 351773 | | 2.409 | NA | NA | NA | 100.4 |
| | 13C2-4:2FTS | EIS | 1.72 | 329.1 / 81.1 | 102813 | | 4.870 | NA | NA | NA | 103.8 |
| | 13C2-6:2FTS | EIS | 2.81 | 429.2 / 81.1 | 84553 | | 4.652 | NA | NA | NA | 97.7 |
| | 13C2-8:2FTS | EIS | 3.67 | 529.2 / 81.1 | 90244 | | 4.904 | NA | NA | NA | 102.2 |

| Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| 13C8-PFOSA | EIS | 5.24 | 506.1 / 78.1 | 604469 | | 2.607 | NA | NA | NA | 104.3 |
| d3-NMeFOSA | EIS | 5.97 | 515.2 / 219.0 | 105877 | | 2.529 | NA | NA | NA | 101.2 |
| d5-NEtFOSA | EIS | 6.26 | 531.2 / 219.0 | 95915 | | 2.519 | NA | NA | NA | 100.8 |
| d3-NMeFOSAA | EIS | 3.98 | 573.2 / 419.1 | 149194 | | 5.208 | NA | NA | NA | 104.2 |
| d5-NEtFOSAA | EIS | 4.19 | 589.3 / 419.1 | 114487 | | 5.001 | NA | NA | NA | 100.0 |
| d7-NMeFOSE | EIS | 5.83 | 623.2 / 58.9 | 769477 | | 25.552 | NA | NA | NA | 102.2 |
| d9-NEtFOSE | EIS | 6.12 | 639.2 / 58.9 | 1054318 | | 26.099 | NA | NA | NA | 104.4 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C3-HFPO-DA | EIS | 2.13 | 287.0 / 169.0 | 1483826 | | 9.684 | NA | NA | NA | 96.8 |
| | 13C3-PFBA | NIS | 0.60 | 216.0 / 172.0 | 791390 | | 5.460 | NA | NA | NA | 109.2 |
| | 13C2-PFHxA | NIS | 1.92 | 315.0 / 270.0 | 426562 | | 2.632 | NA | NA | NA | 105.3 |
| | 13C4-PFOA | NIS | 2.99 | 417.0 / 372.0 | 349435 | | 2.431 | NA | NA | NA | 97.2 |
| | 13C5-PFNA | NIS | 3.44 | 468.0 / 423.0 | 263889 | | 1.280 | NA | NA | NA | 102.4 |
| | 13C2-PFDA | NIS | 3.86 | 515.1 / 470.1 | 258710 | | 1.217 | NA | NA | NA | 97.3 |
| | 18O2-PFHxS | NIS | 3.10 | 403.1 / 84.1 | 267578 | | 2.273 | NA | NA | NA | 95.9 |
| | 13C4-PFOS | NIS | 4.00 | 503.1 / 80.1 | 293793 | | 2.444 | NA | NA | NA | 101.8 |

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

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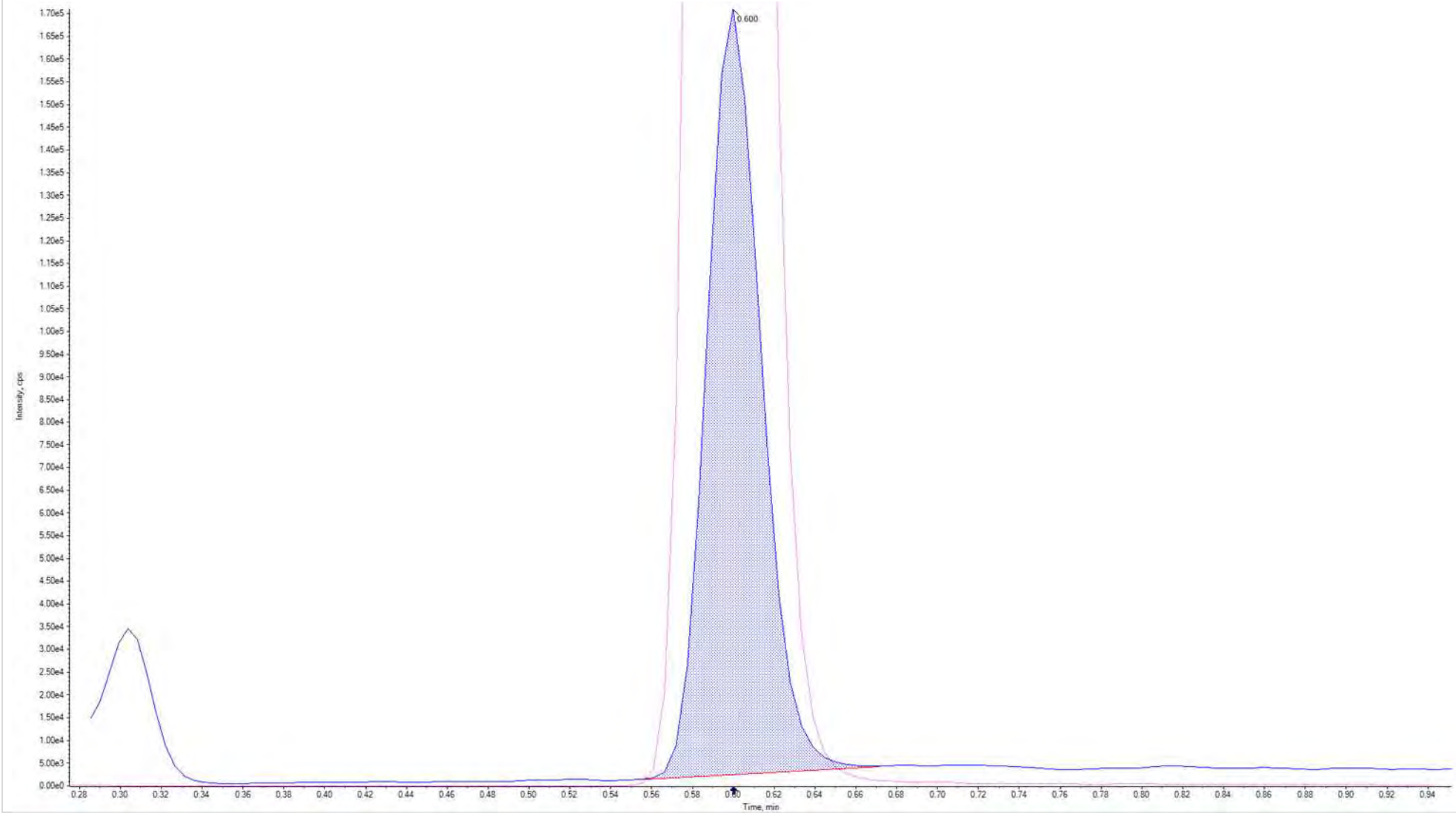

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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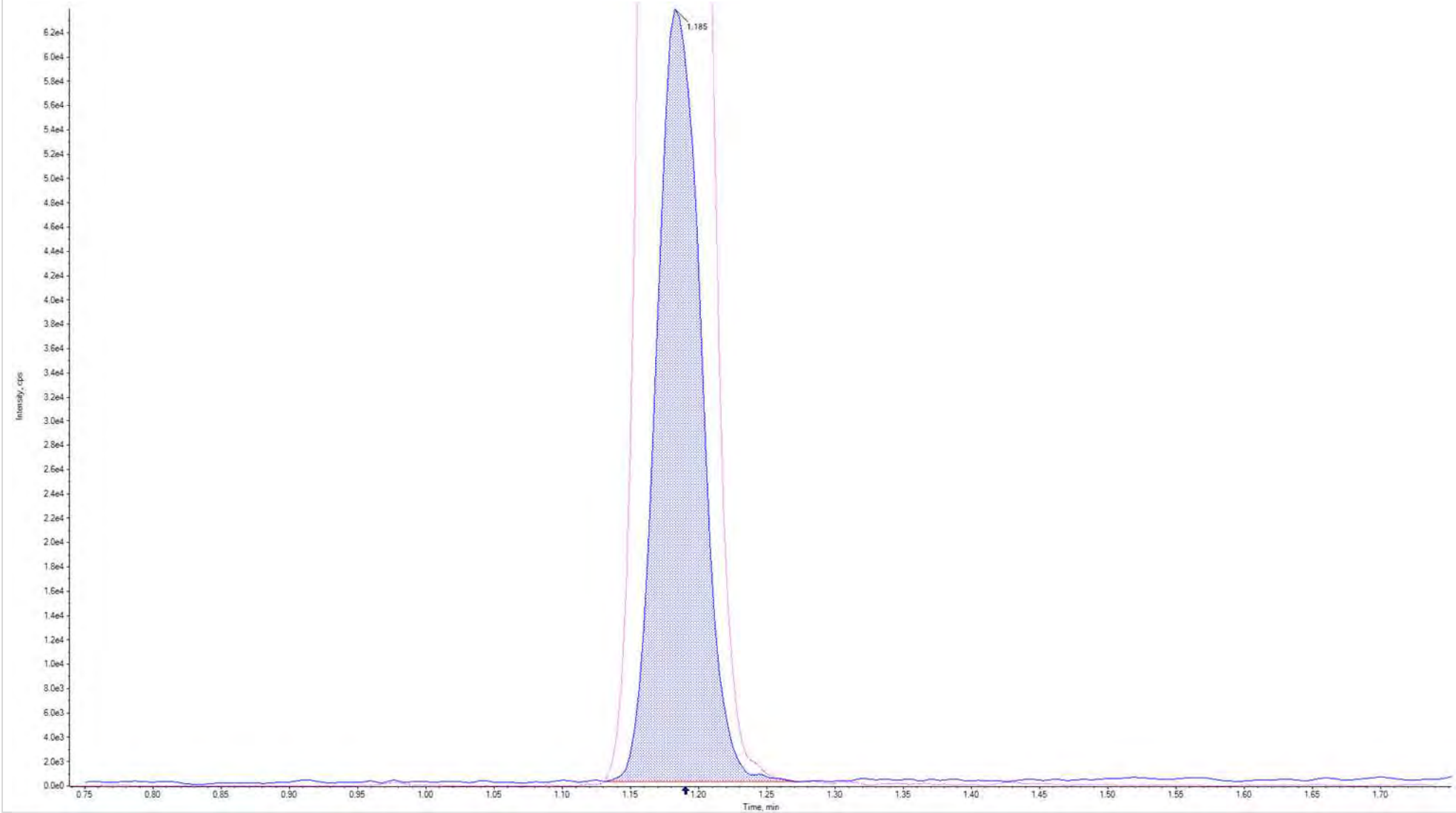
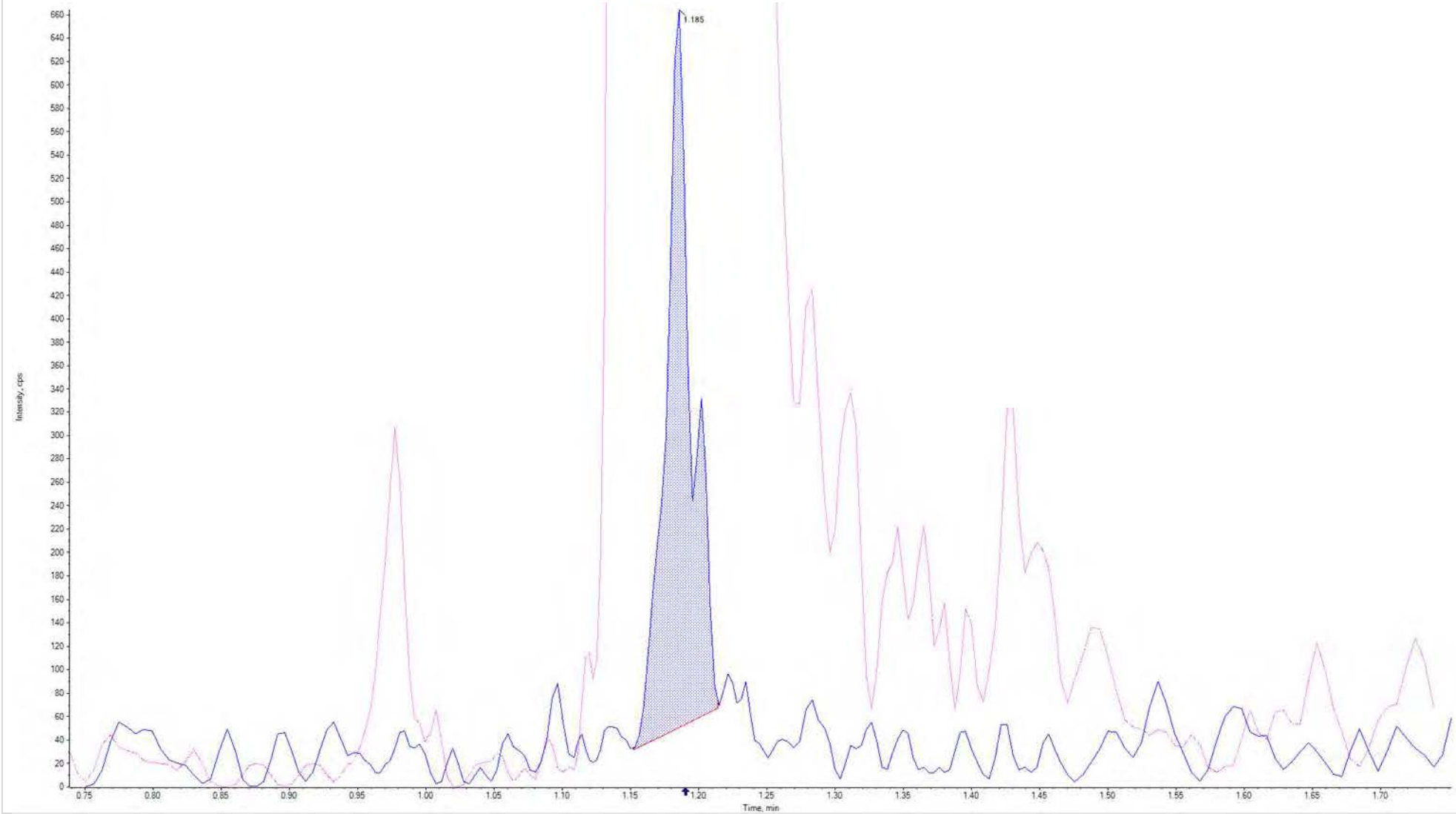
PFPeA
Sample: IA1633STD-.5 S/N:1495.9 Points Across peak:44



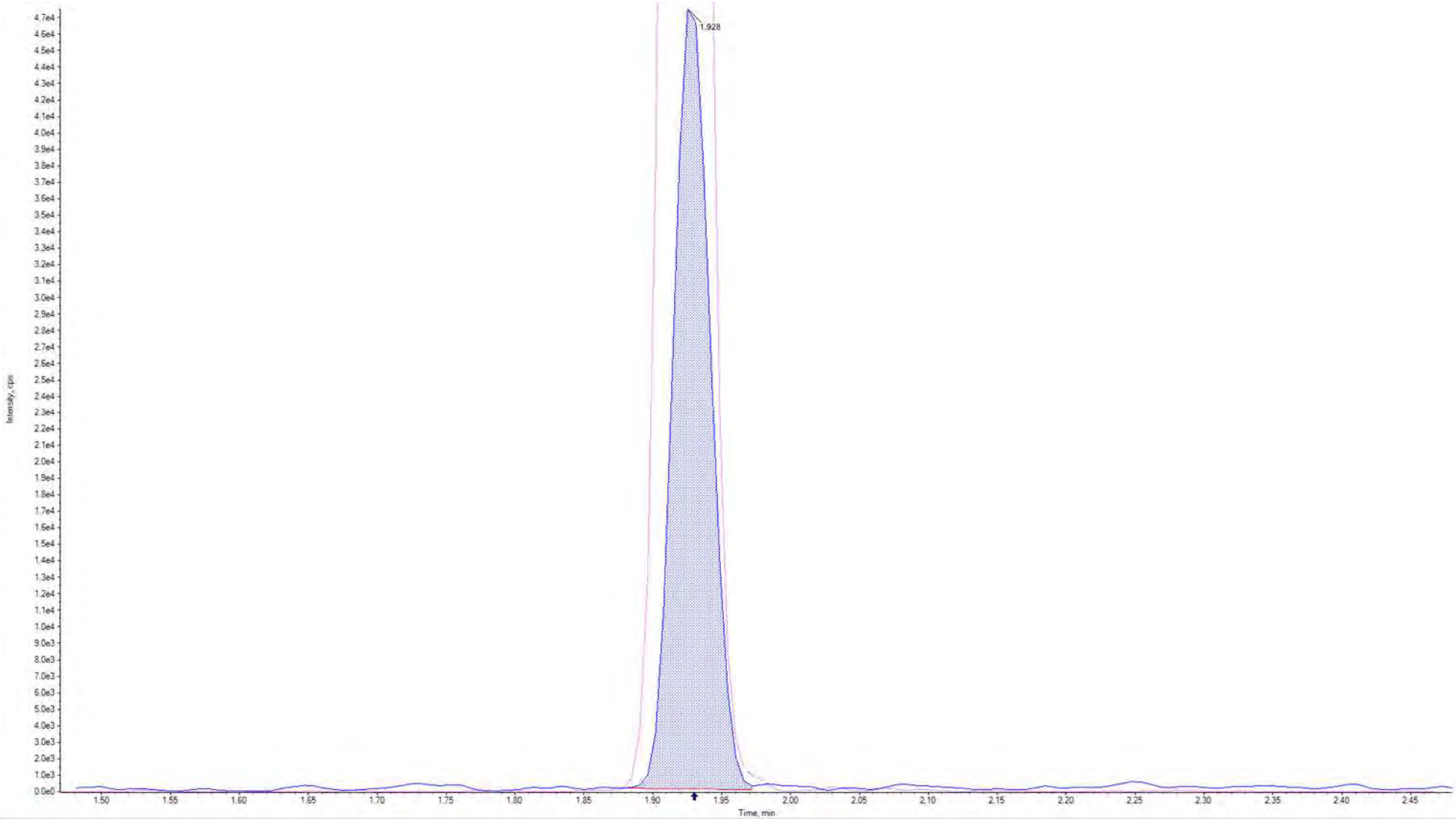
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFPeA_2
Sample: IA1633STD-.5 S/N:36.9 Points Across peak:21



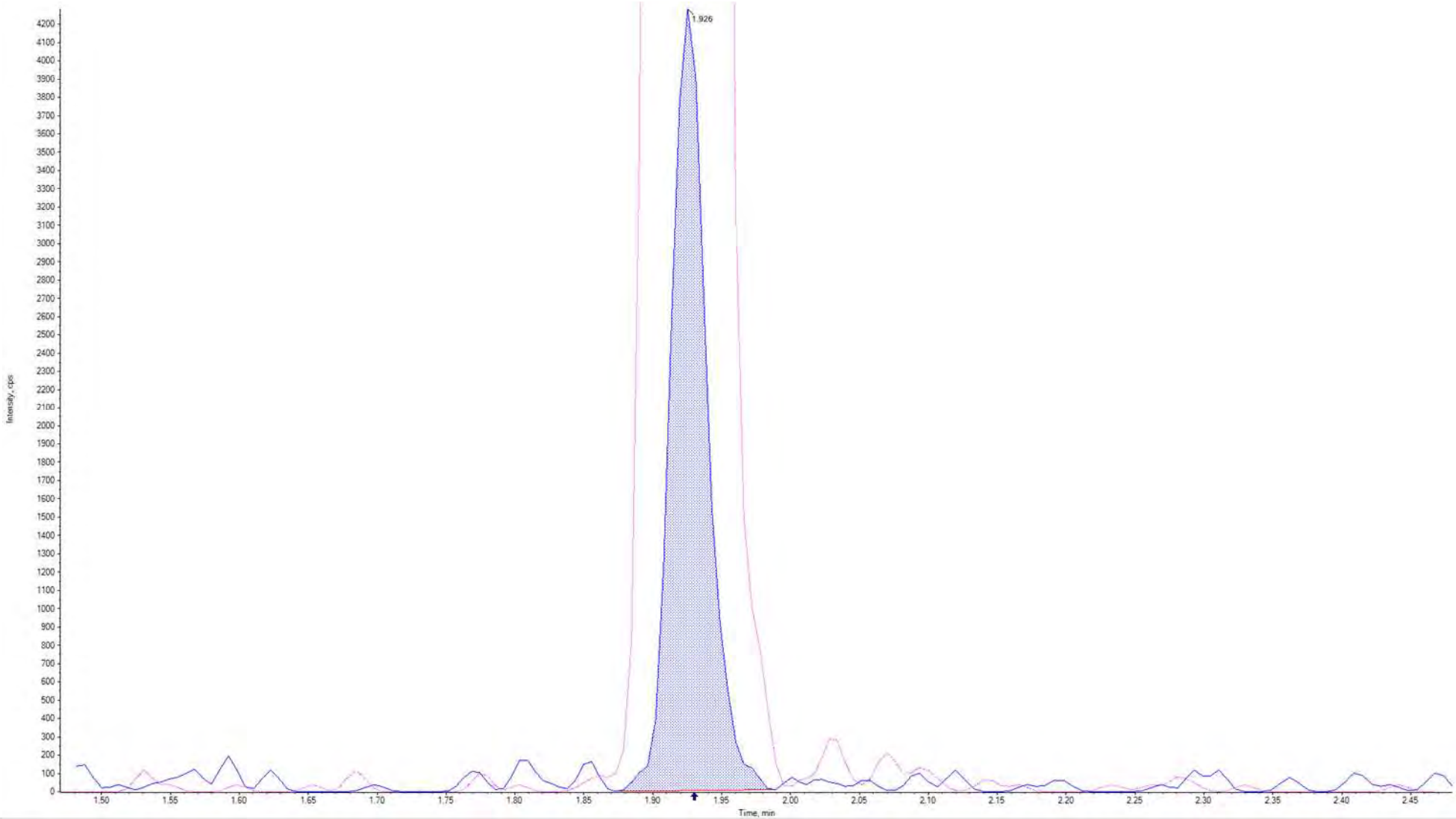
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHxA
Sample: IA1633STD-.5 S/N:1186.4 Points Across peak:17



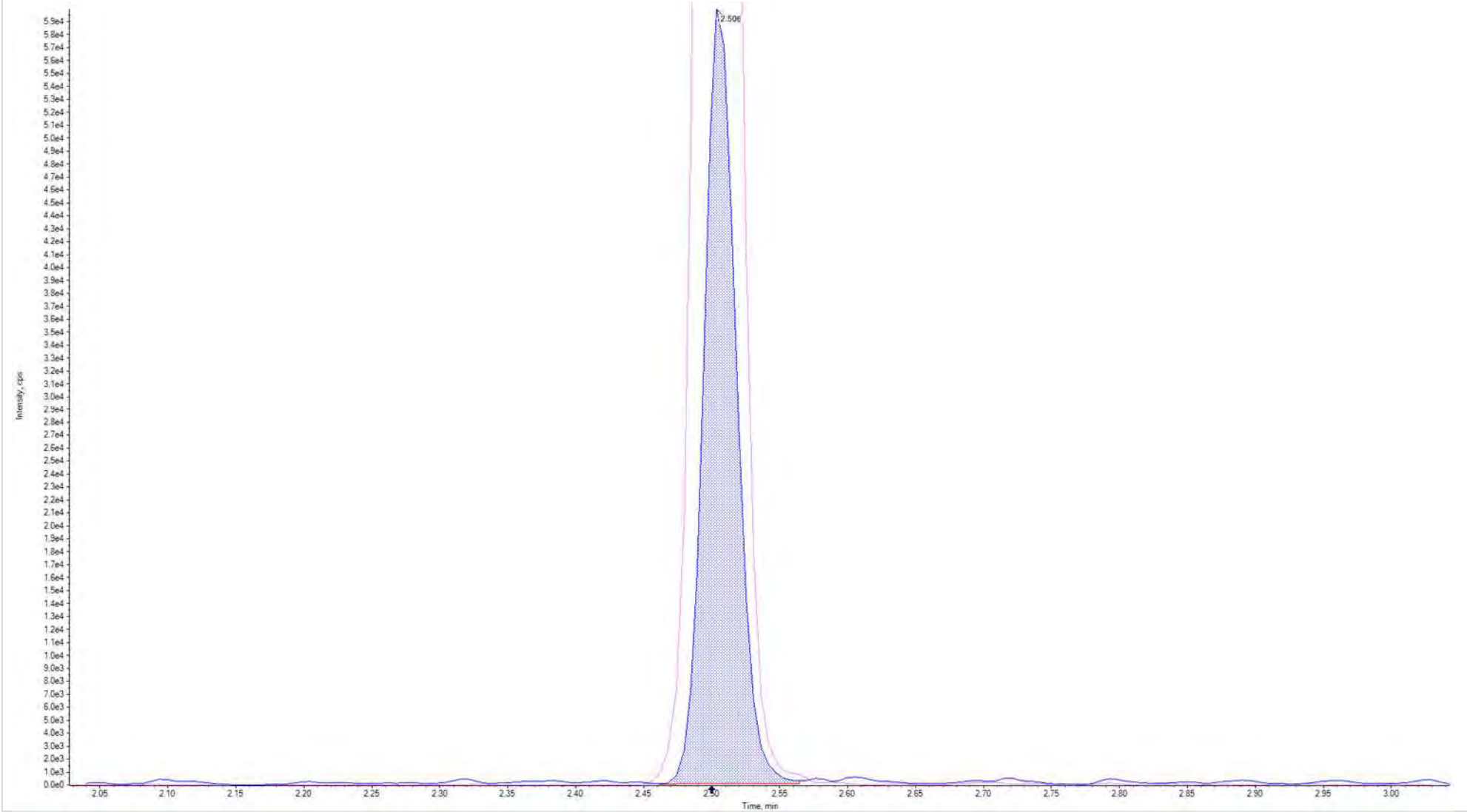
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHxA_2
Sample: IA1633STD-.5 S/N:107.2 Points Across peak:21



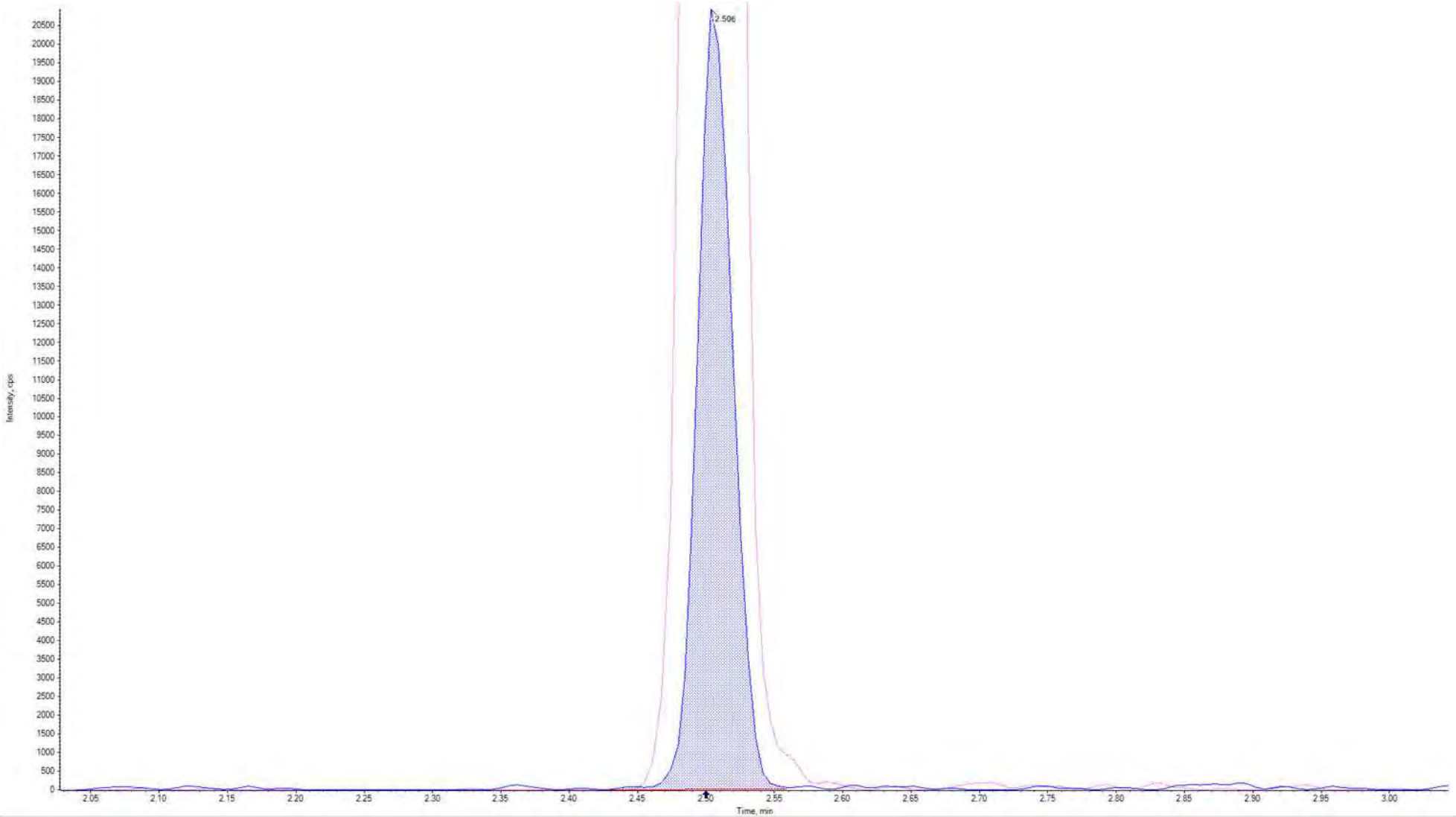
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHpA
Sample: IA1633STD-.5 S/N:1200.8 Points Across peak:20



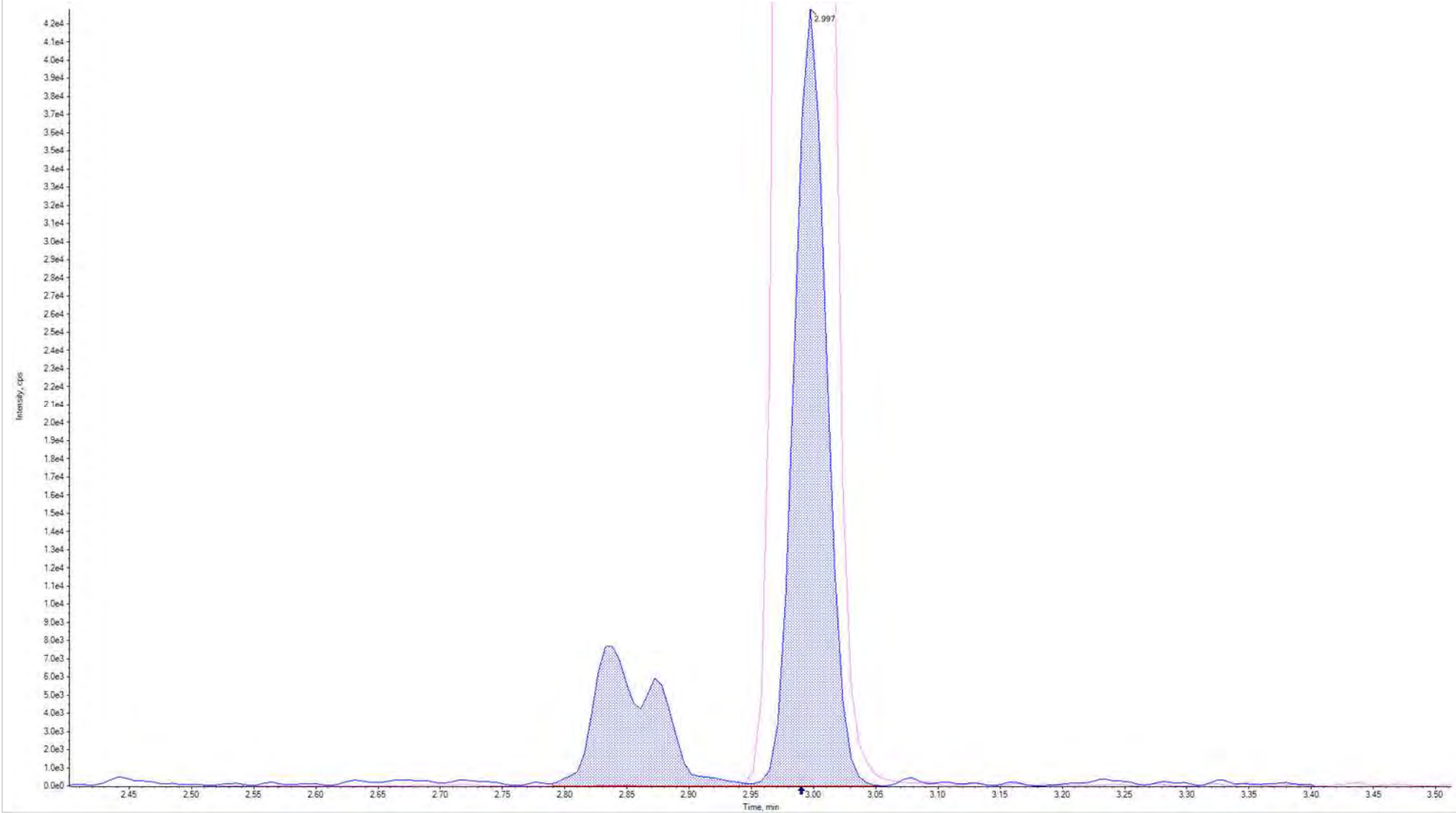
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHpA_2
Sample: IA1633STD-.5 S/N:419.7 Points Across peak:25



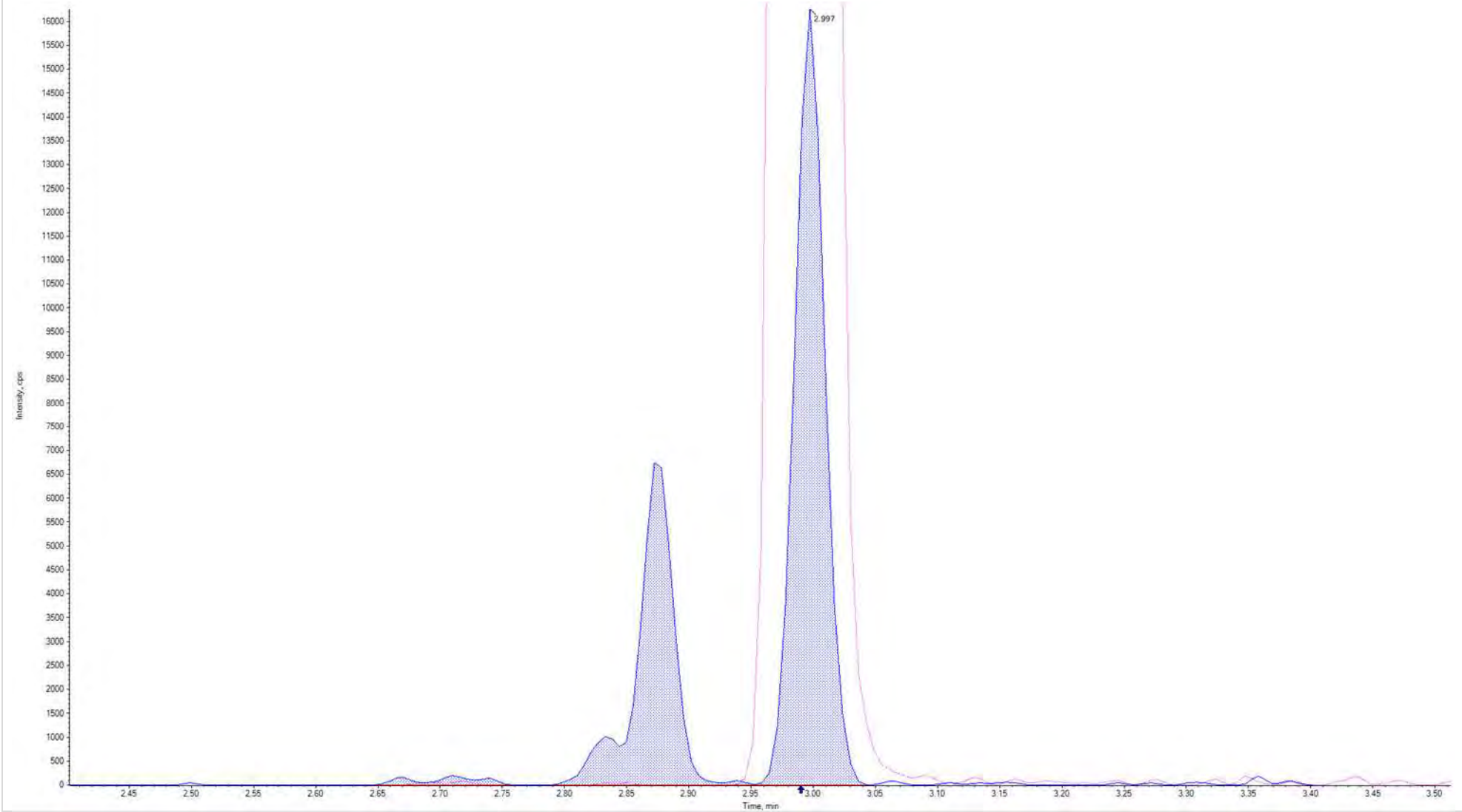
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOA
Sample: IA1633STD-.5 S/N:304.3 Points Across peak:45



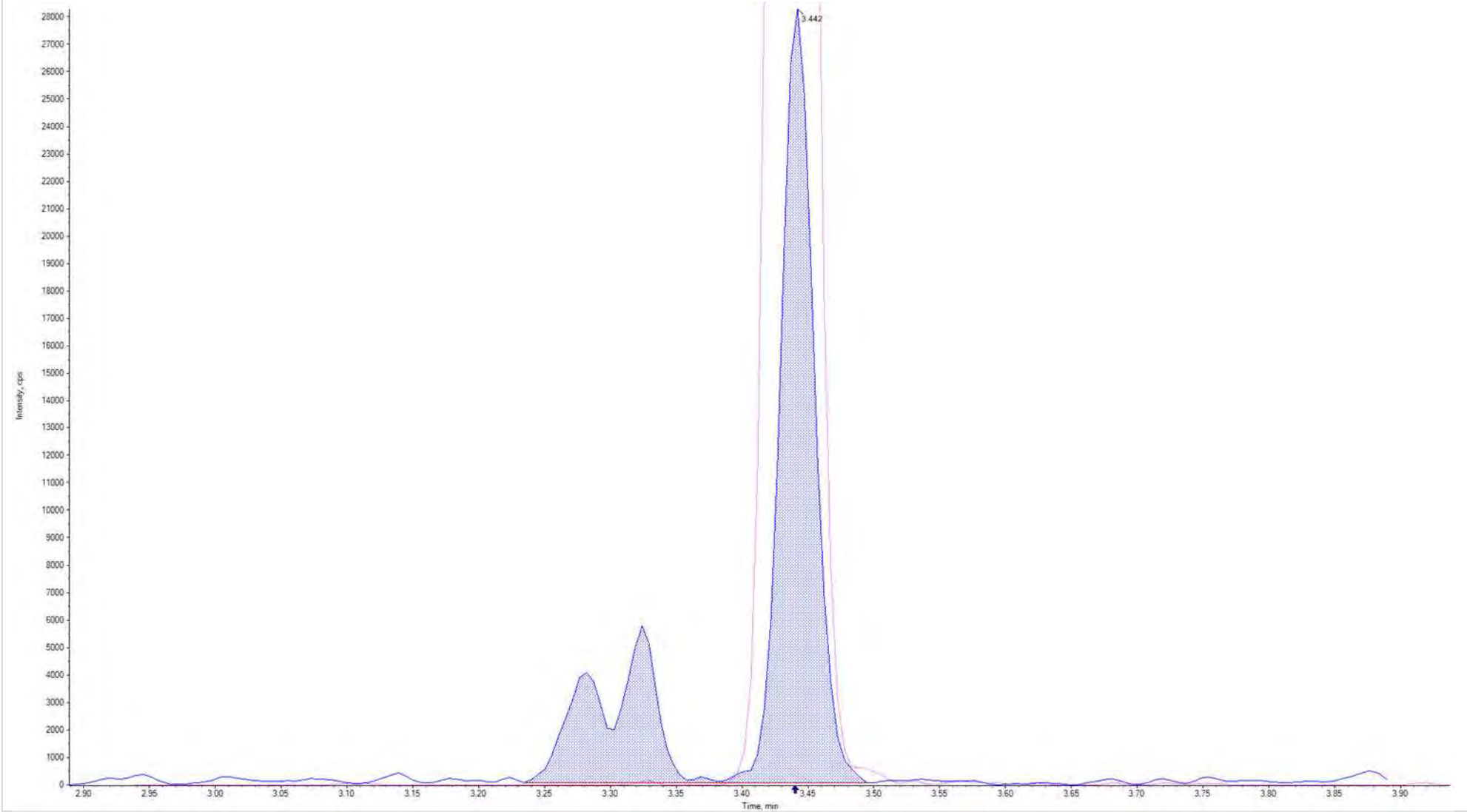
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOA_2
Sample: IA1633STD-.5 S/N:344.8 Points Across peak:67



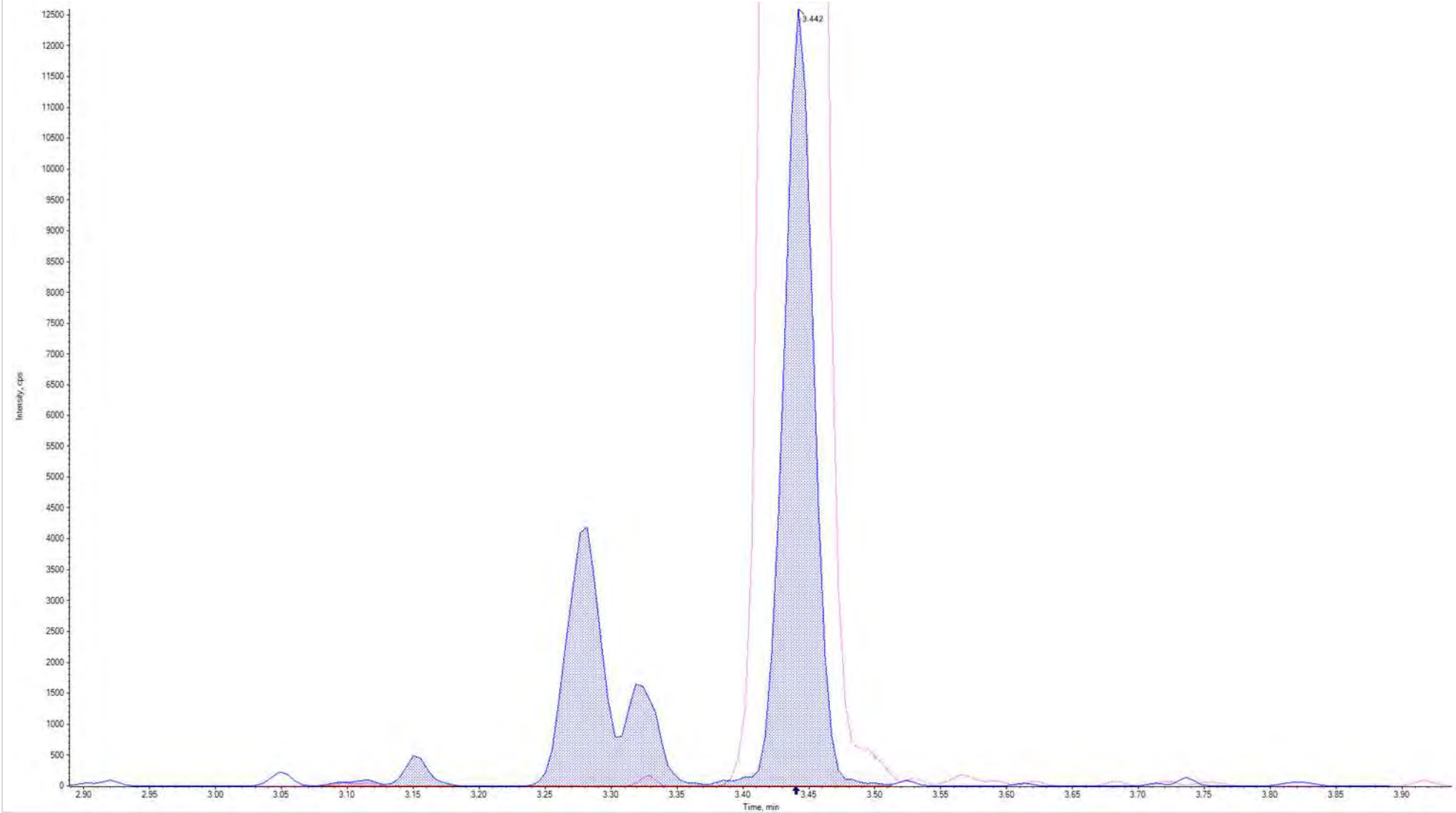
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFNA
Sample: IA1633STD-.5 S/N:266.5 Points Across peak:52



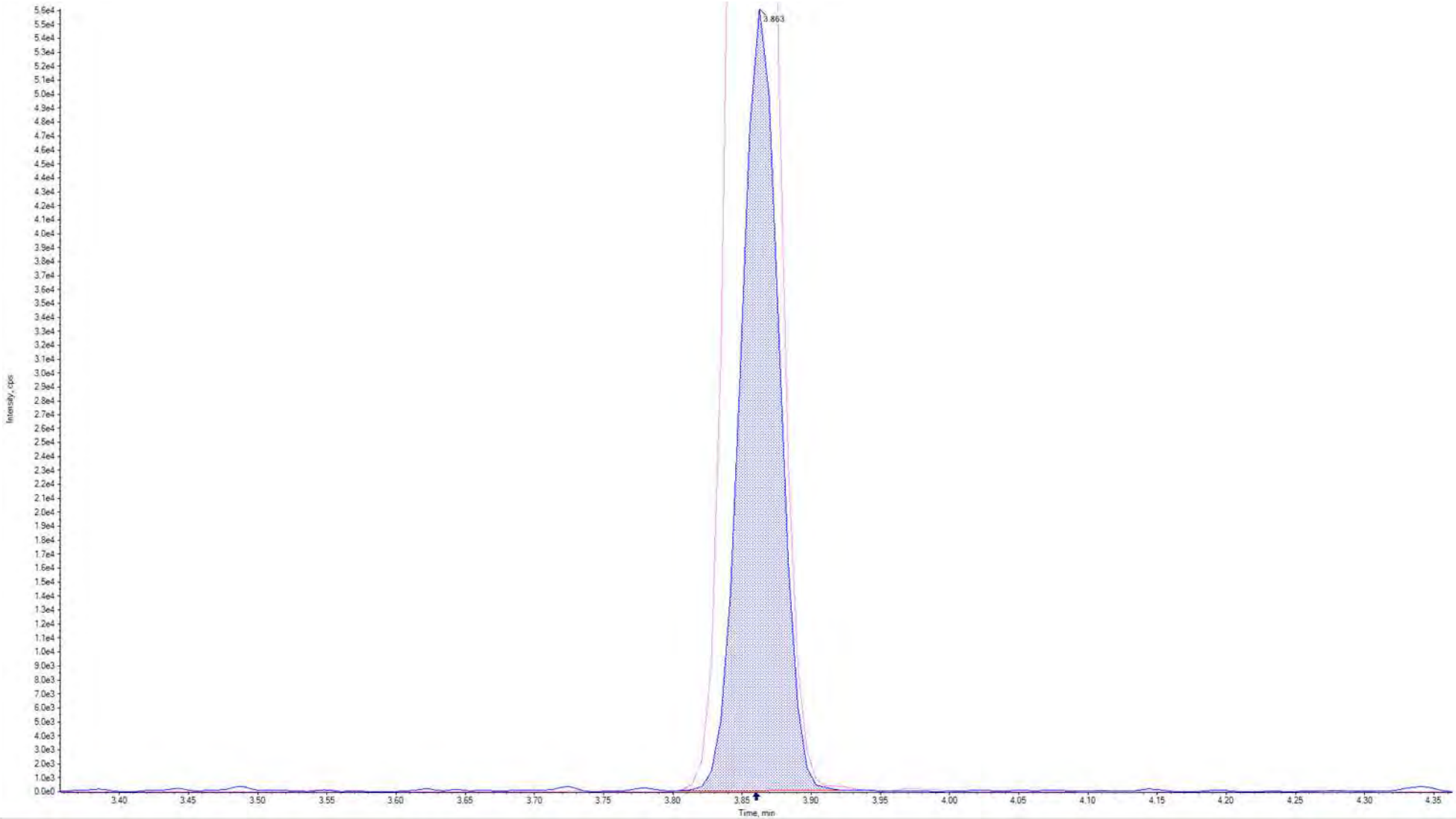
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFNA_2
Sample: IA1633STD-.5 S/N:262.1 Points Across peak:82



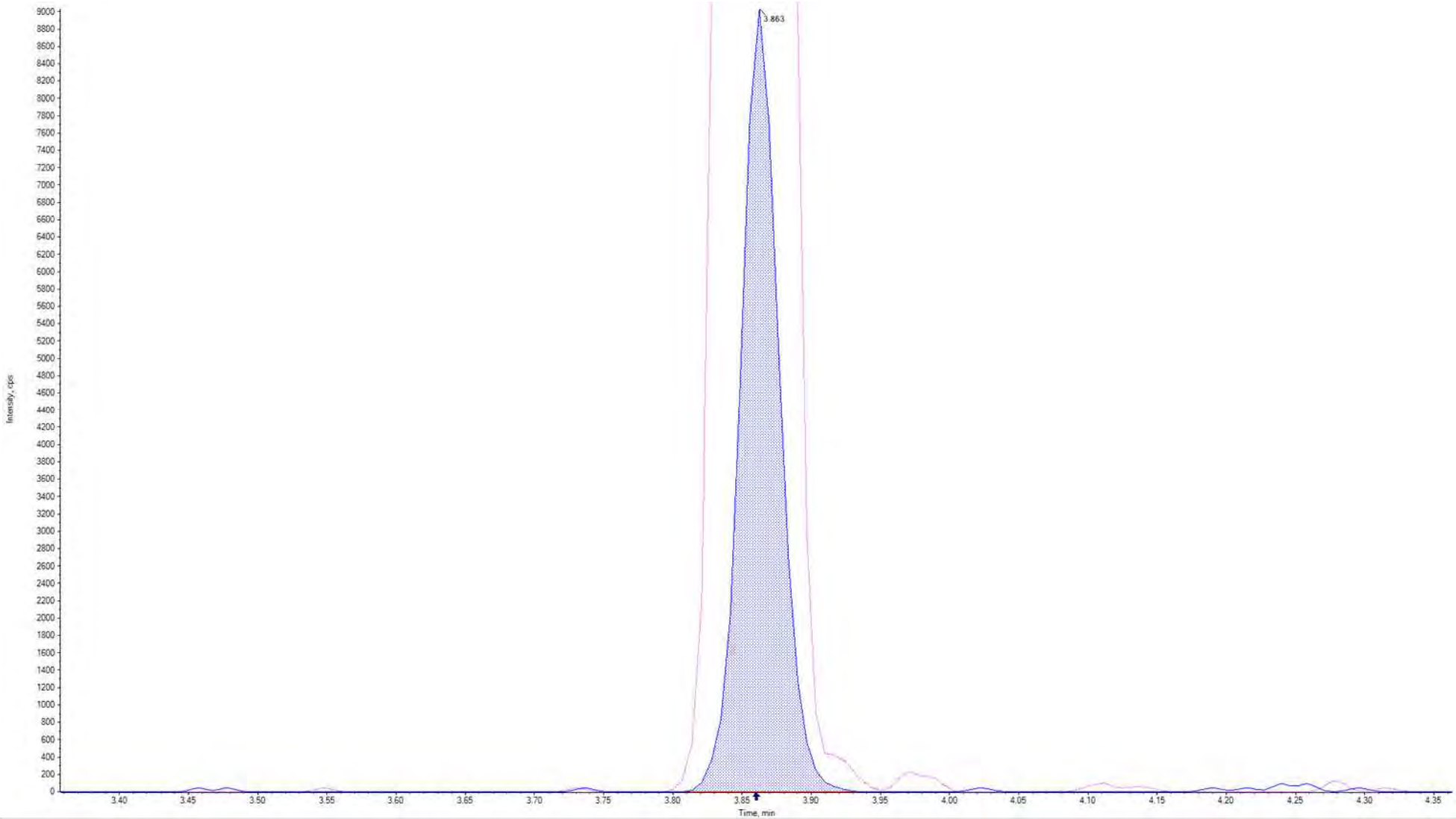
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDA
Sample: IA1633STD-.5 S/N:1123.2 Points Across peak:20



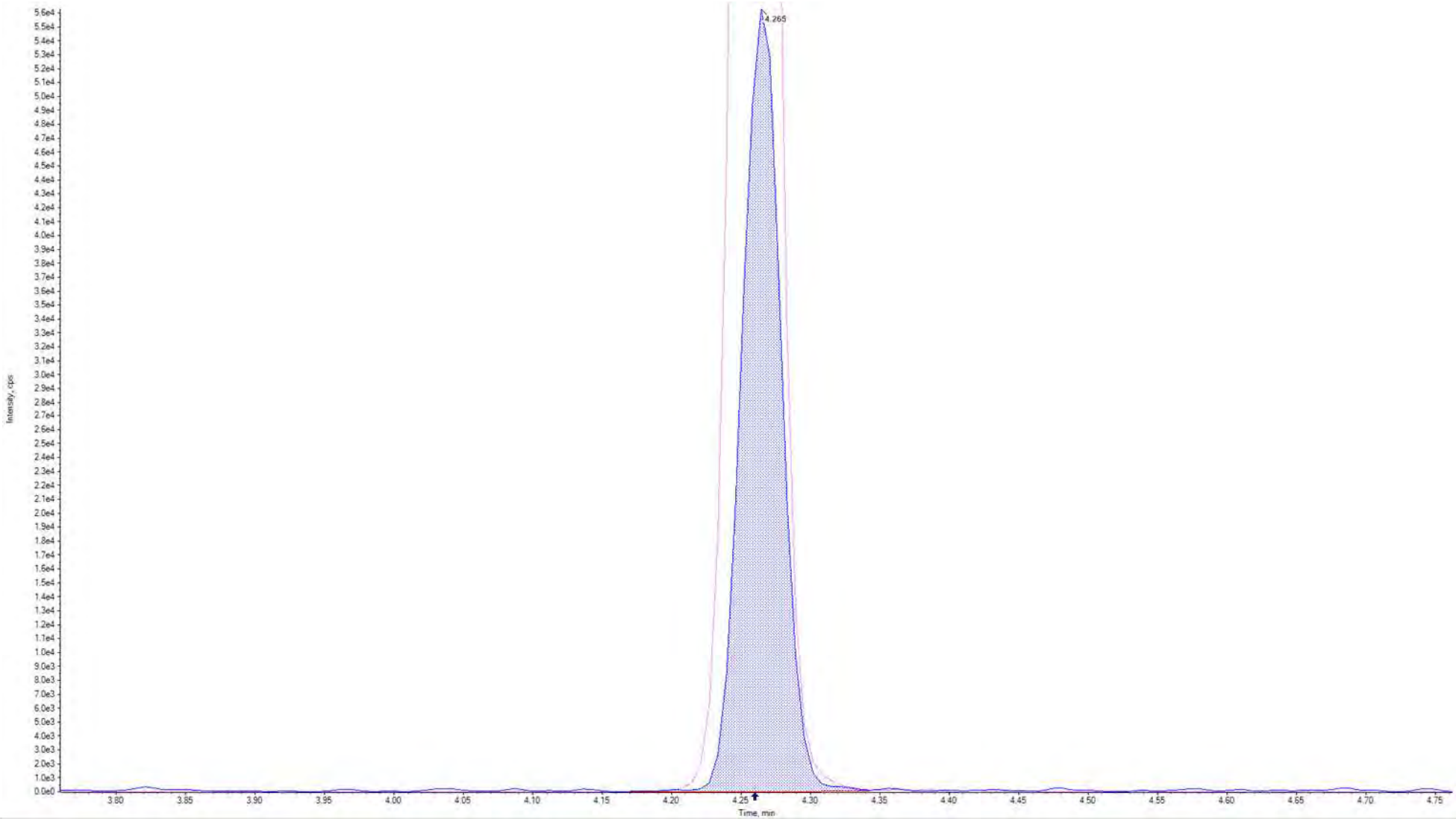
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDA_2
Sample: IA1633STD-.5 S/N:181.1 Points Across peak:29



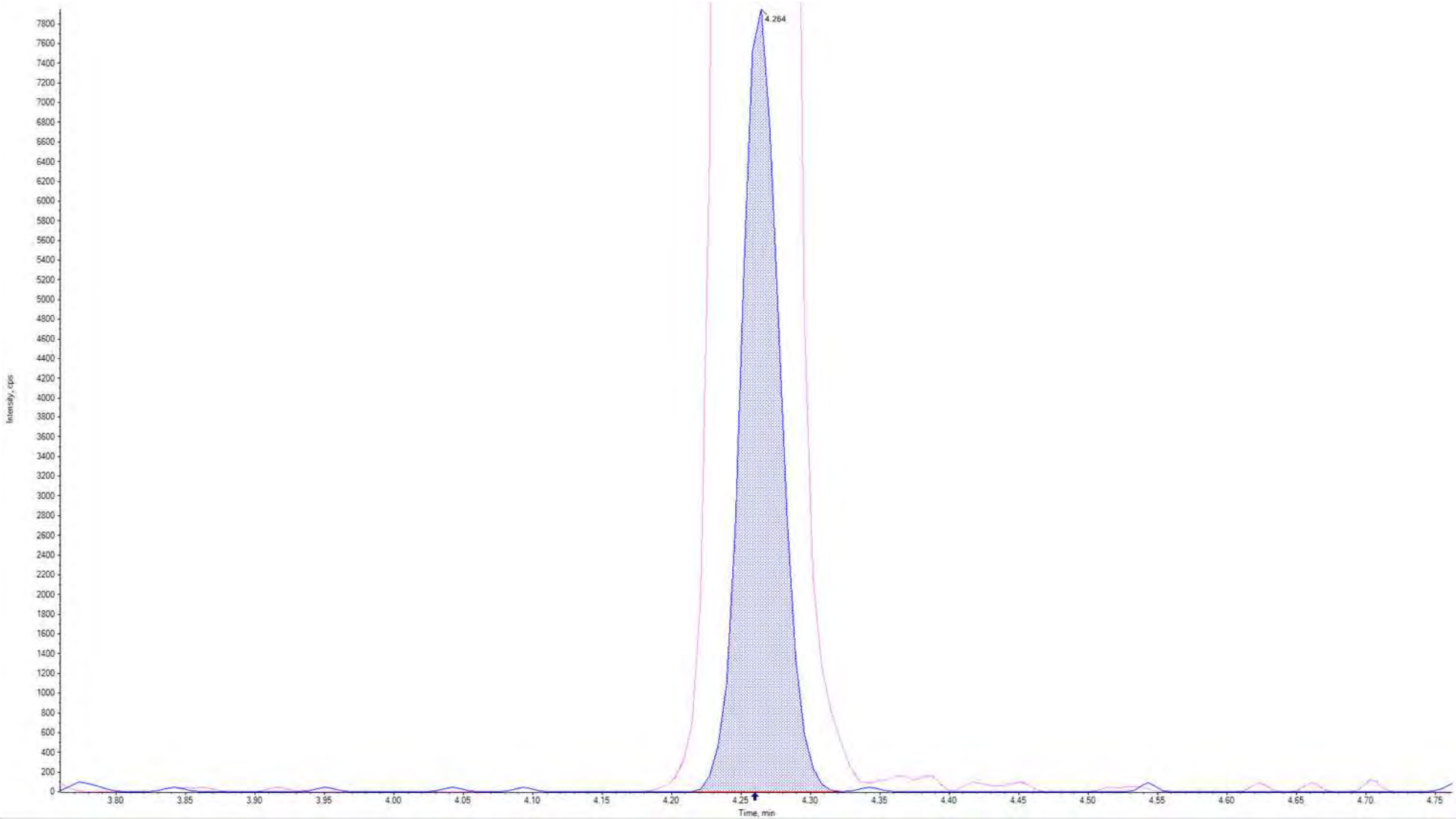
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFUnA
Sample: IA1633STD-.5 S/N:1269.0 Points Across peak:29



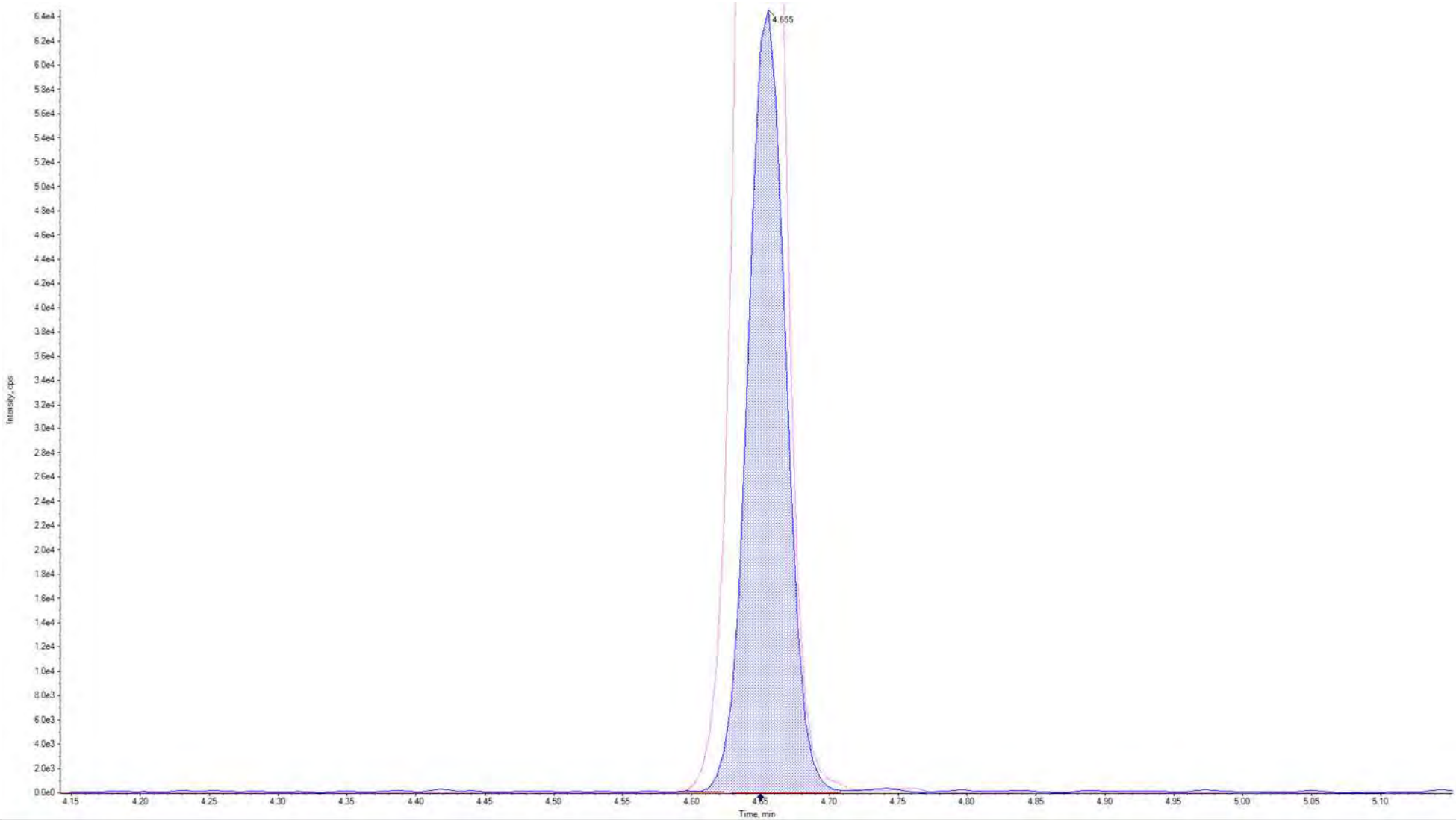
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFUnA_2
Sample: IA1633STD-.5 S/N:179.3 Points Across peak:23



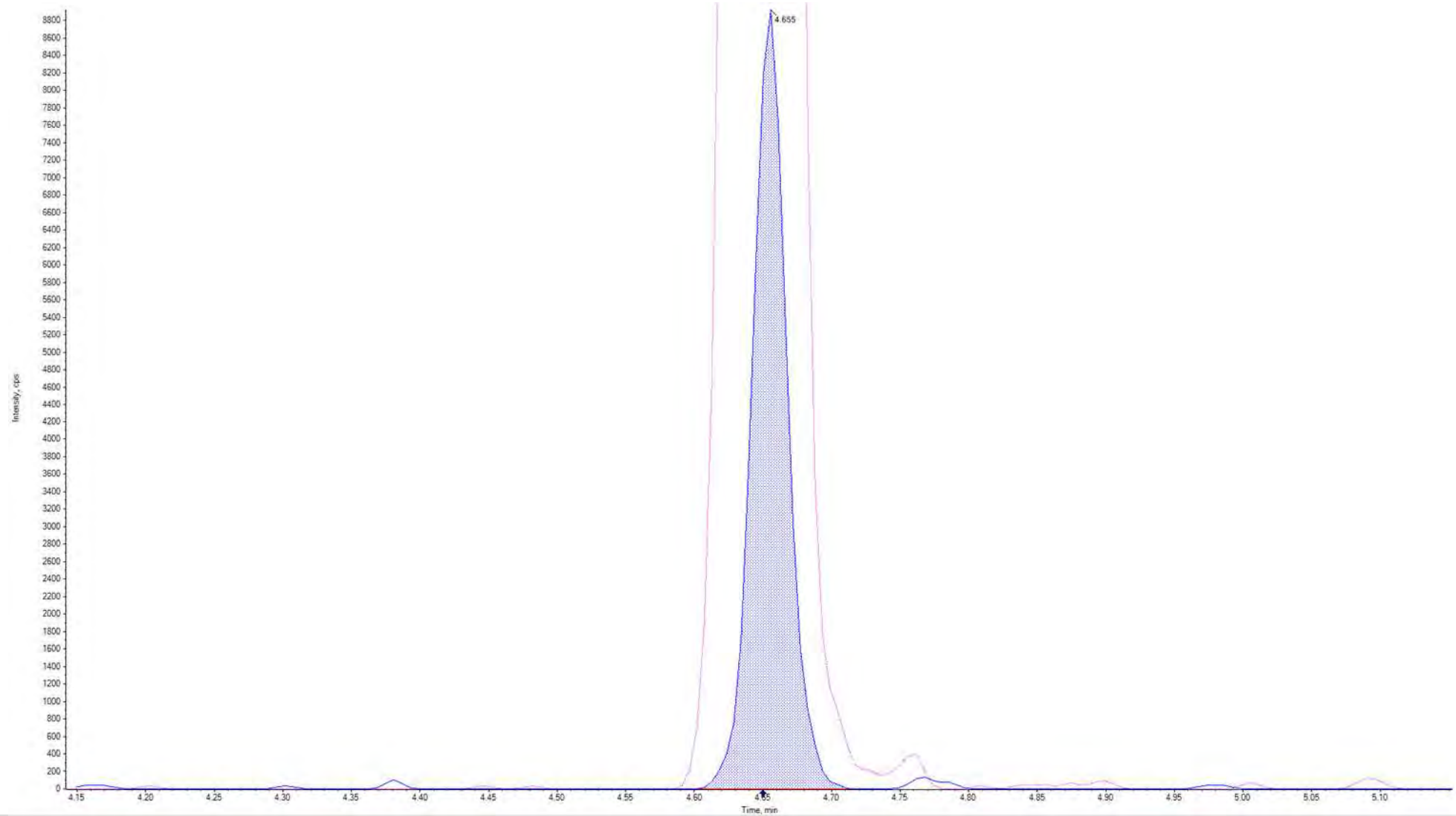
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoA
Sample: IA1633STD-.5 S/N:1779.2 Points Across peak:24



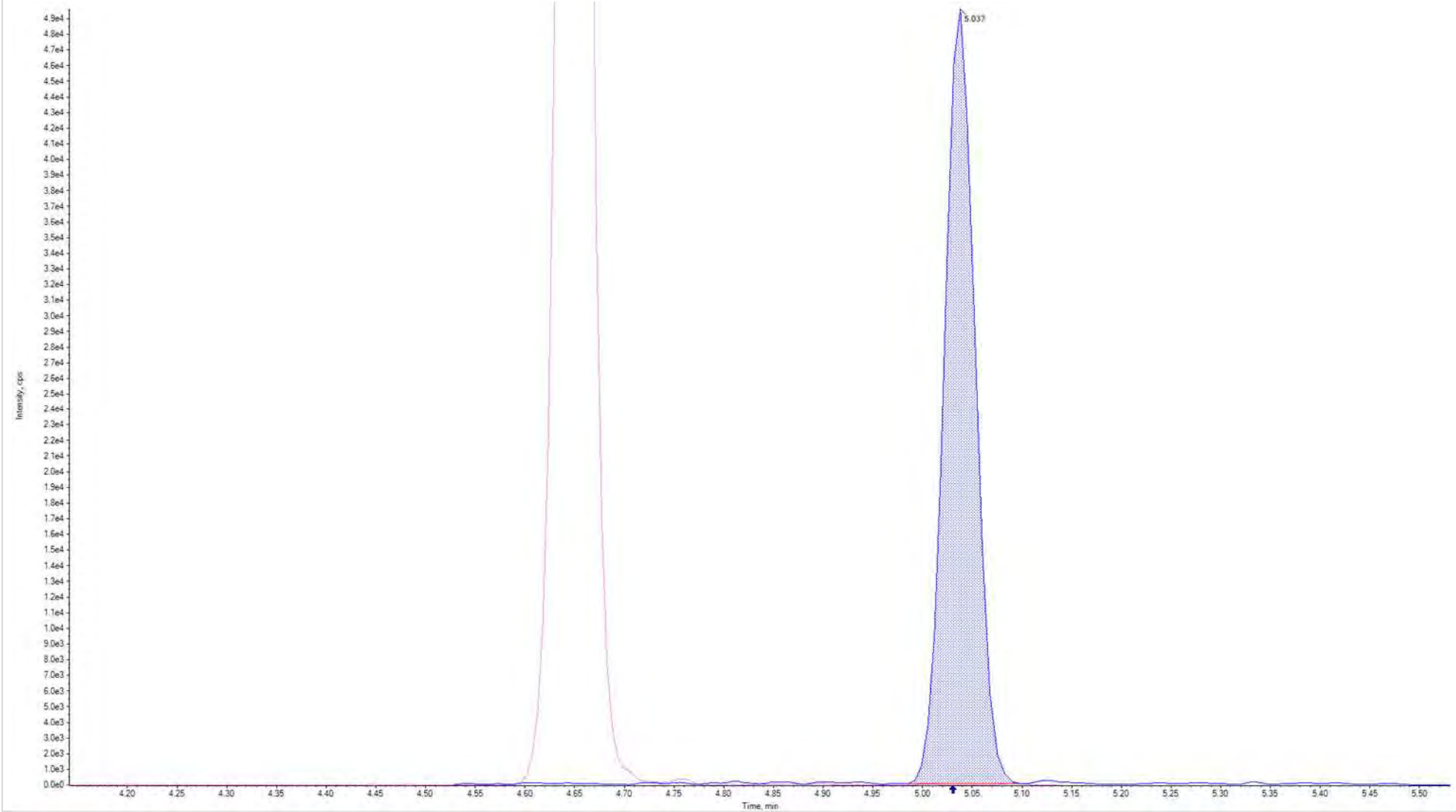
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoA_2
Sample: IA1633STD-.5 S/N:245.9 Points Across peak:30



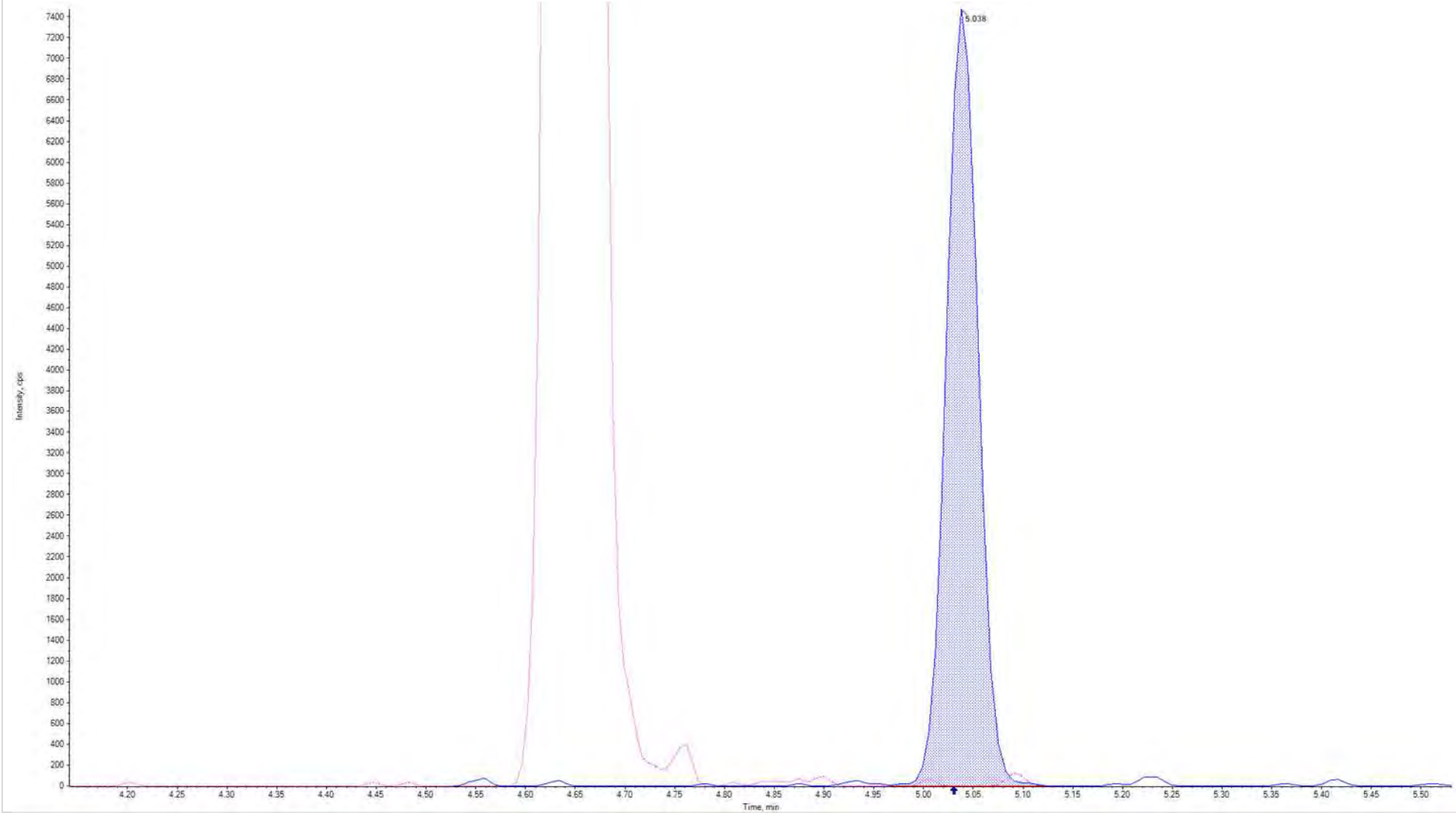
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFTrDA
Sample: IA1633STD-.5 S/N:1986.4 Points Across peak:17



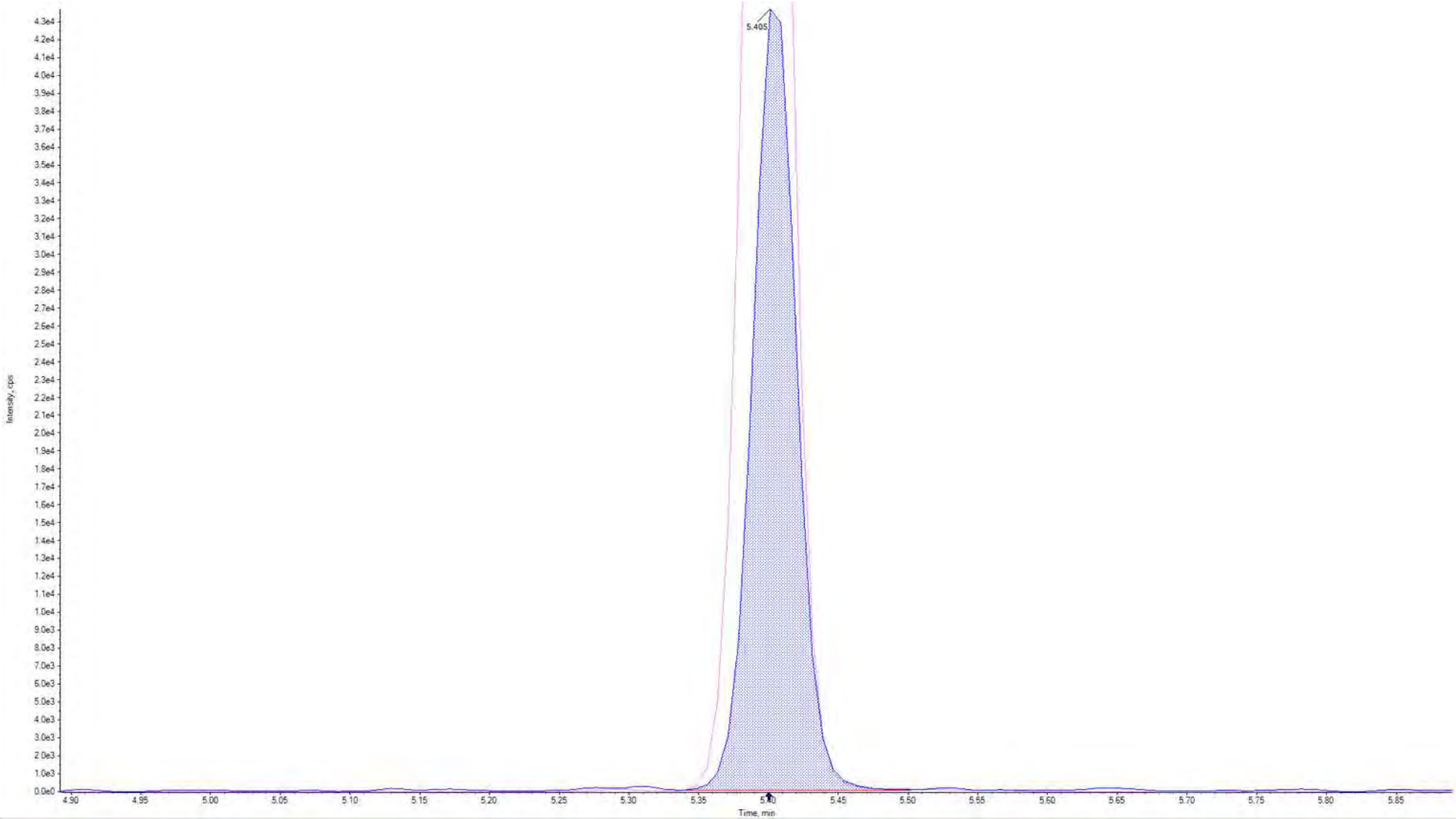
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFTrDA_2
Sample: IA1633STD-.5 S/N:299.7 Points Across peak:25



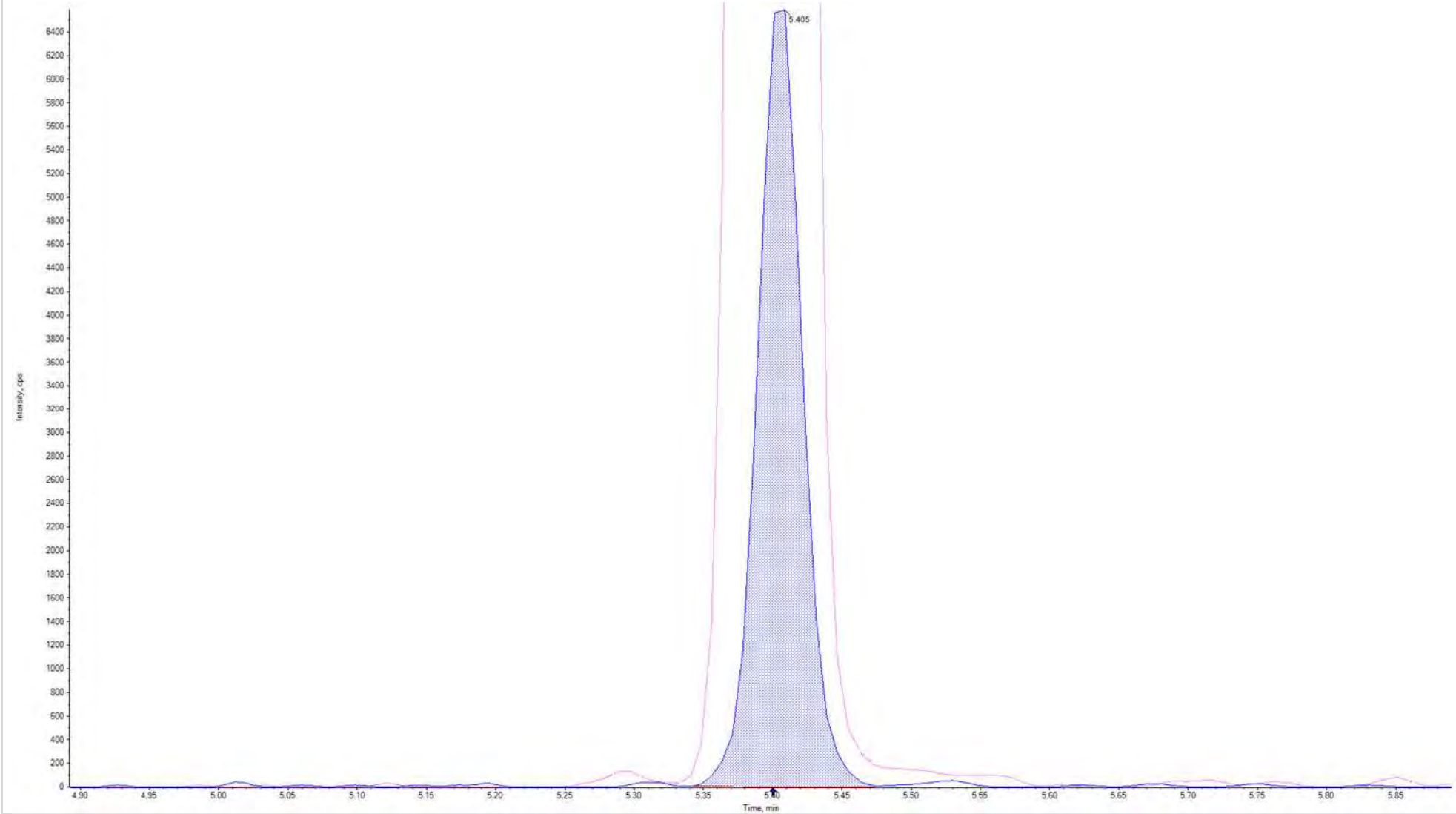
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFTeDA
Sample: IA1633STD-.5 S/N:2732.1 Points Across peak:22



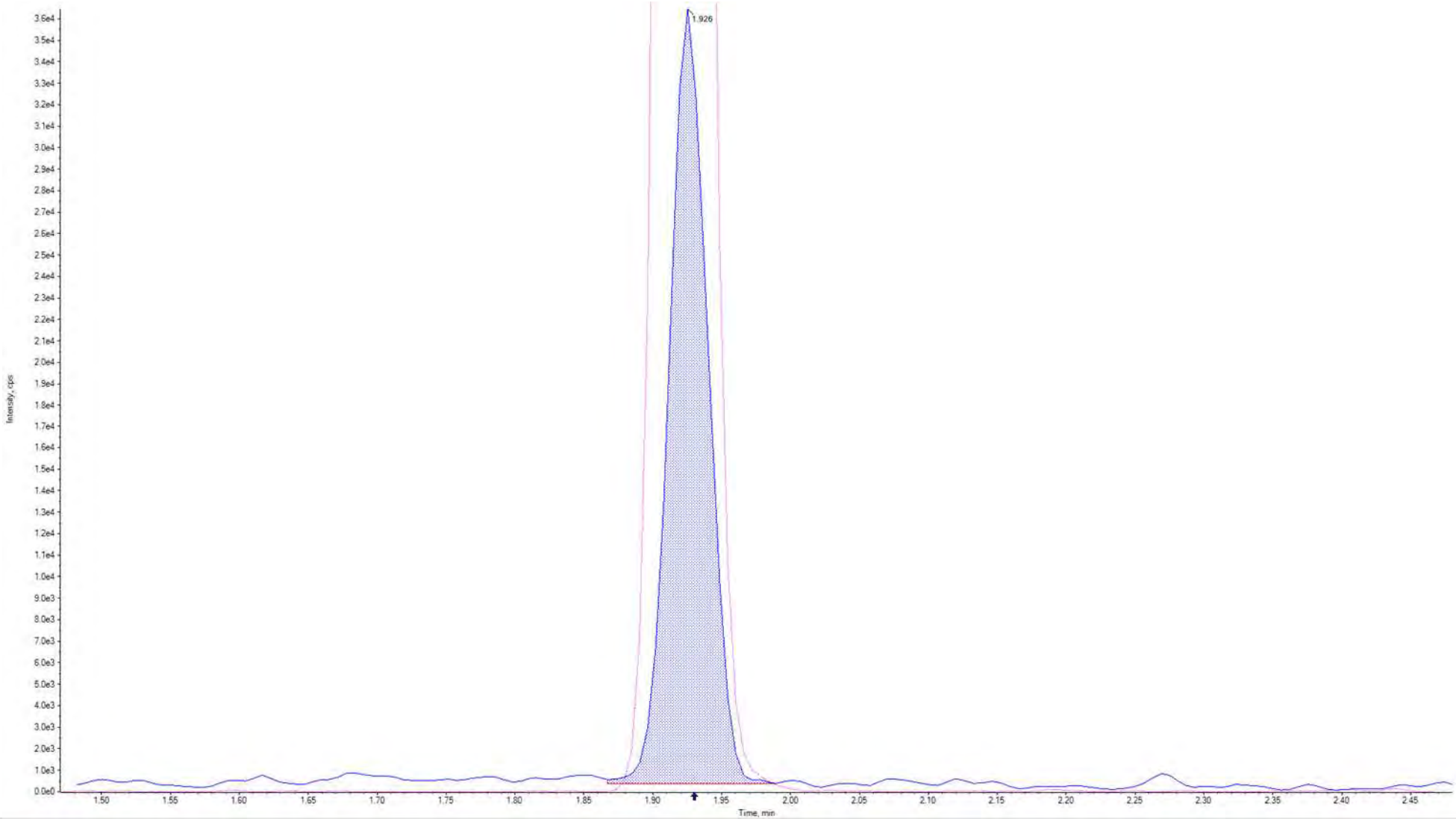
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFTeDA_2
Sample: IA1633STD-.5 S/N:412.6 Points Across peak:18



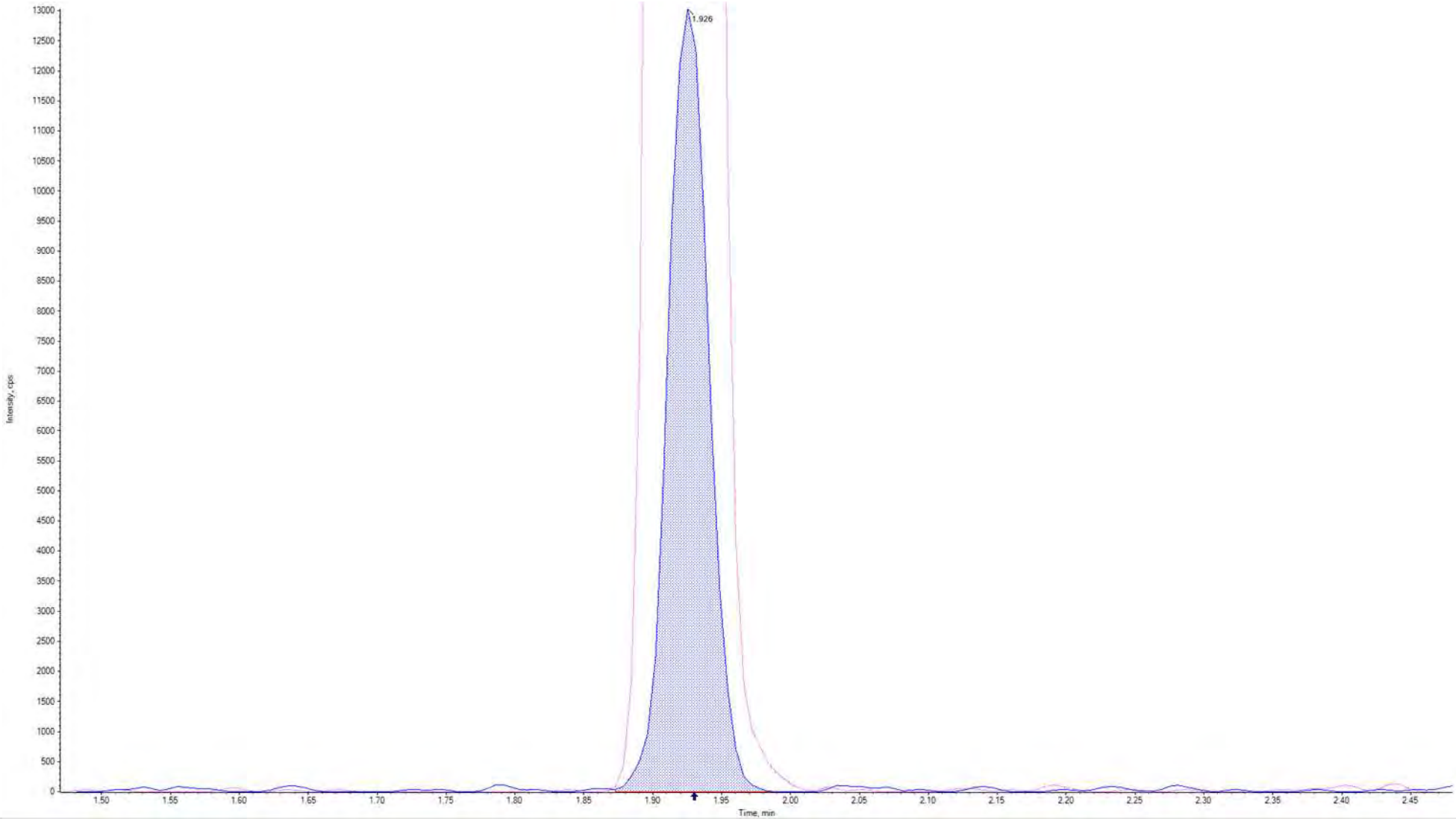
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFBS
Sample: IA1633STD-.5 S/N:806.9 Points Across peak:22



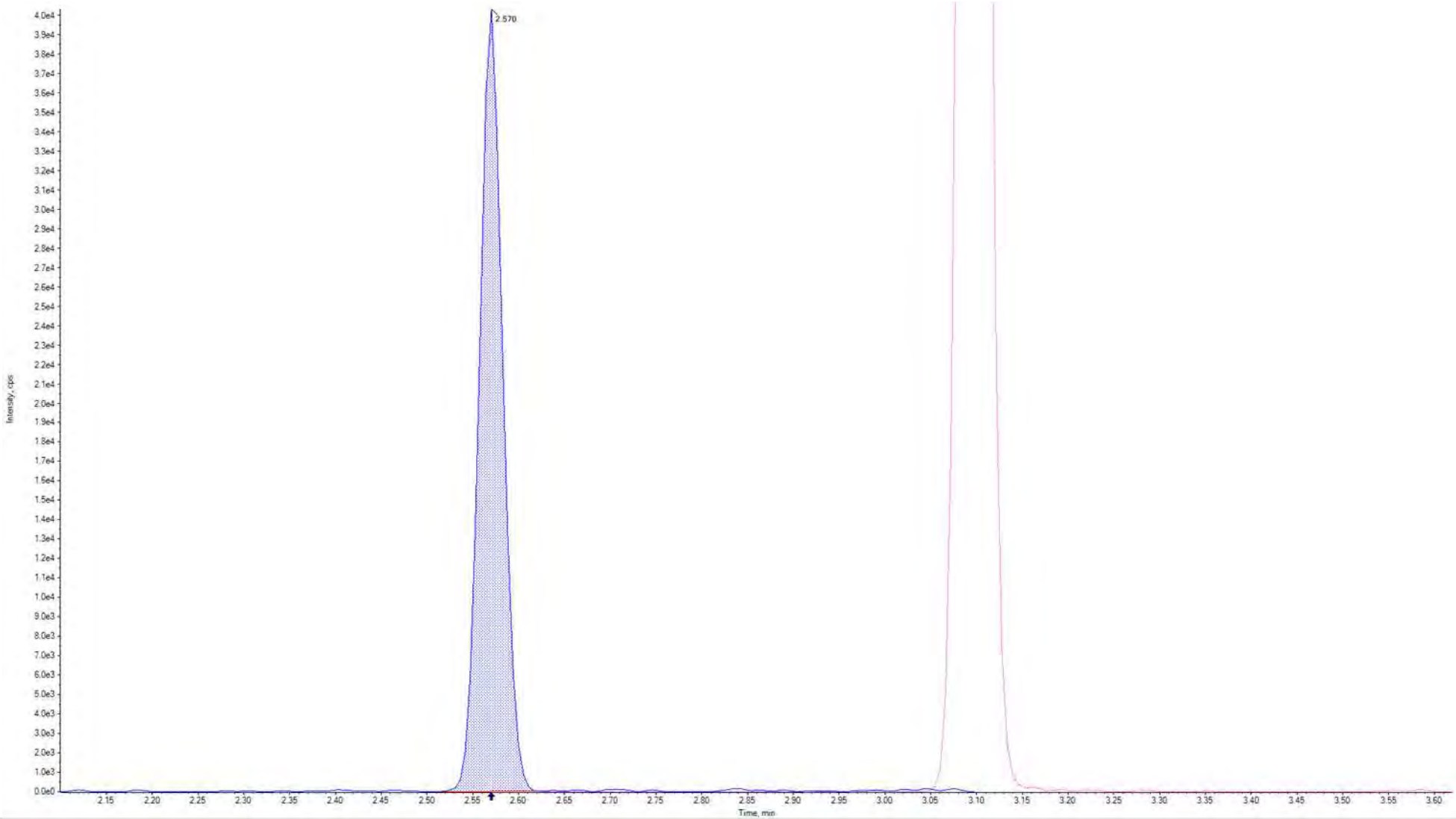
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFBS_2
Sample: IA1633STD-.5 S/N:326.5 Points Across peak:23



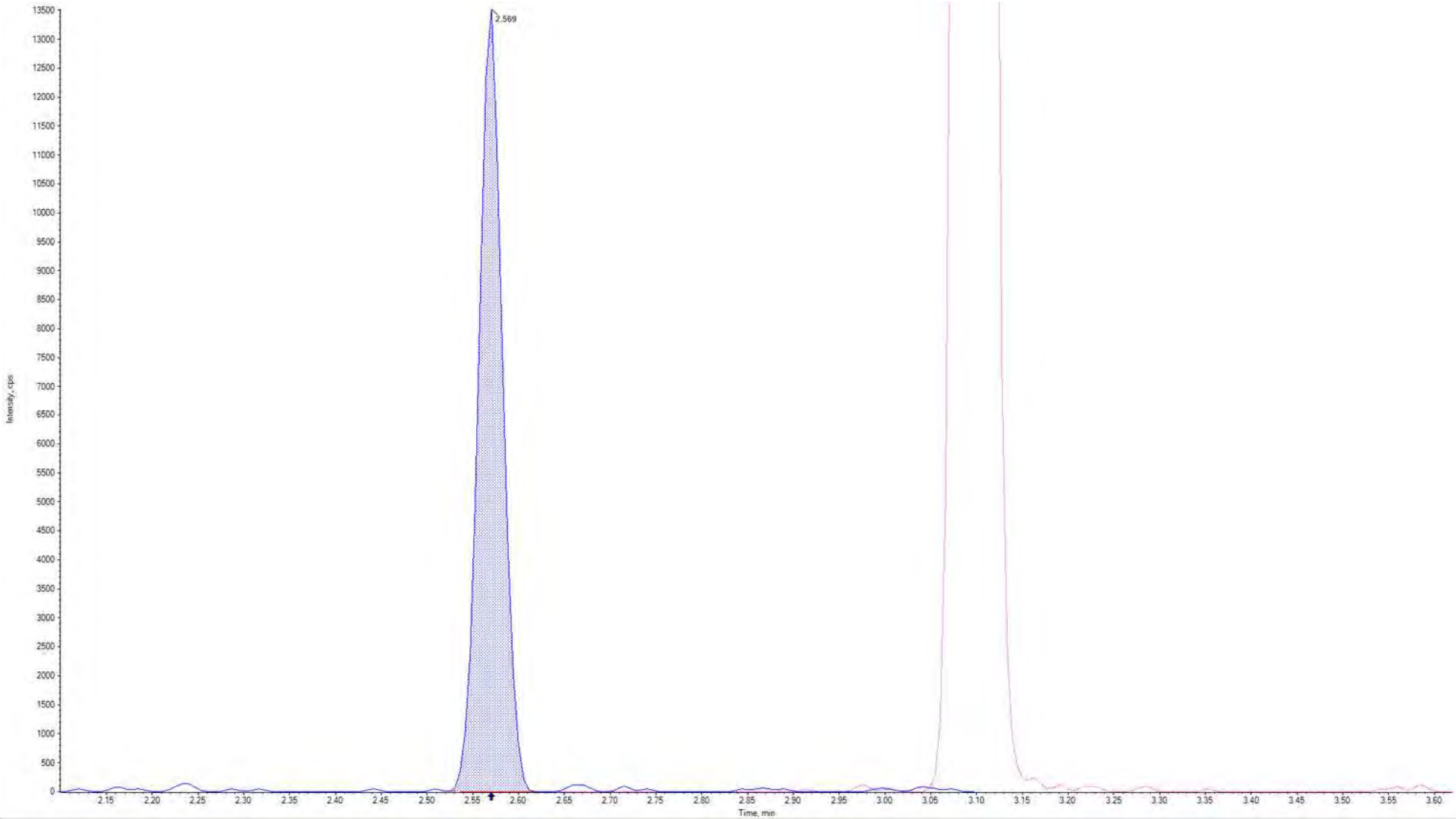
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFPeS
Sample: IA1633STD-.5 S/N:808.3 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFPeS_2
Sample: IA1633STD-.5 S/N:271.0 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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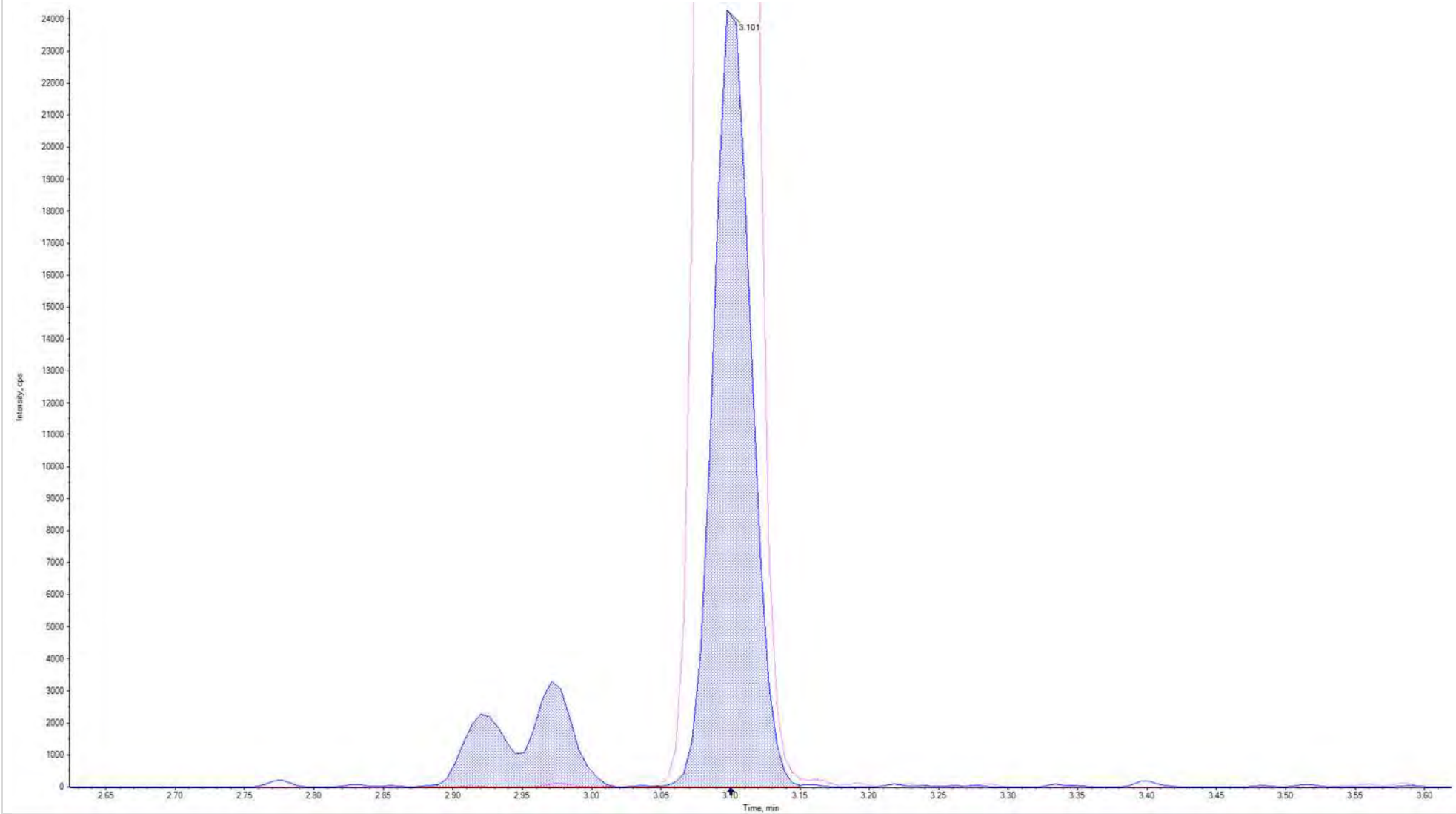
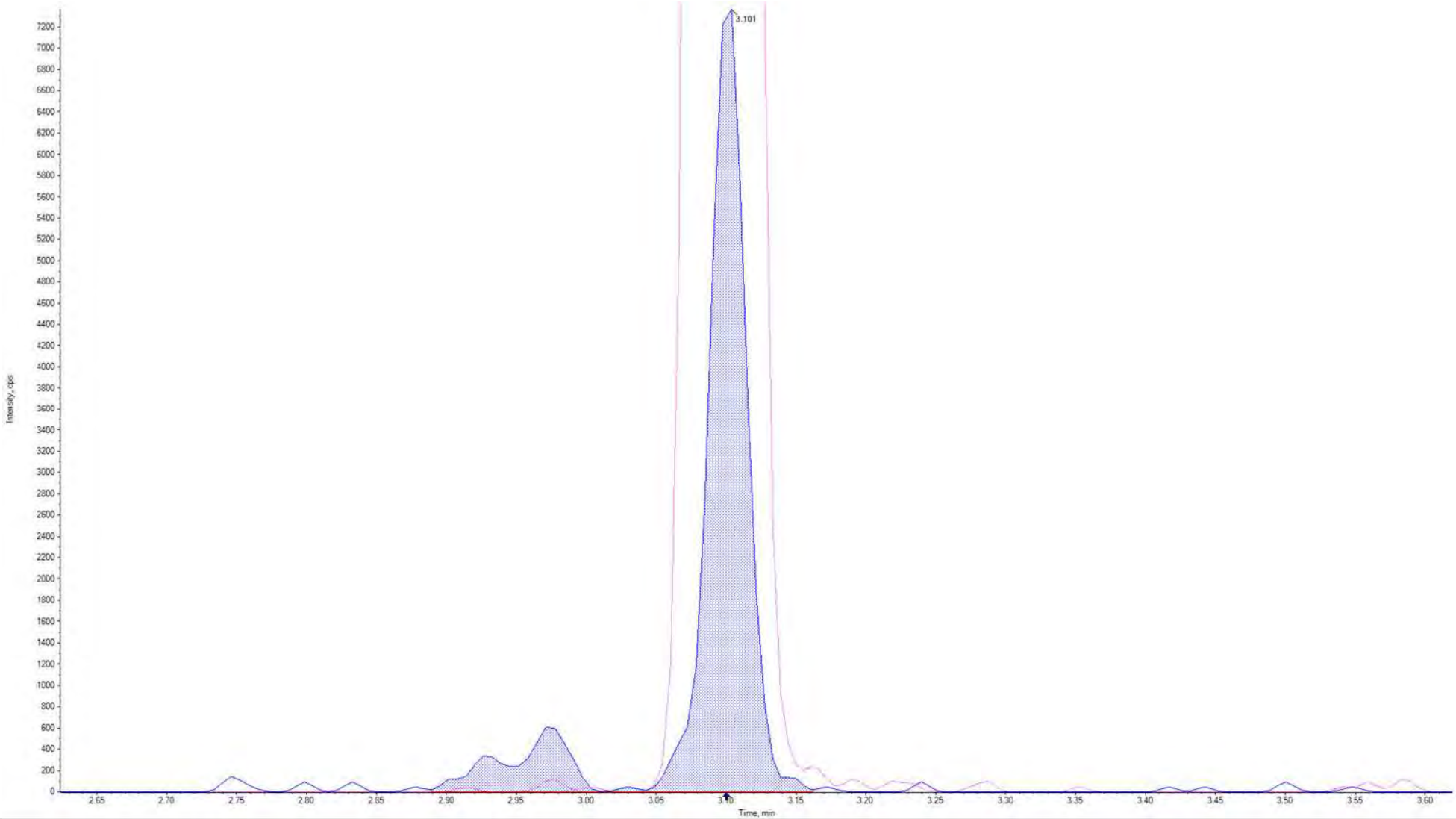
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHxS
Sample: IA1633STD-.5 S/N:541.3 Points Across peak:47



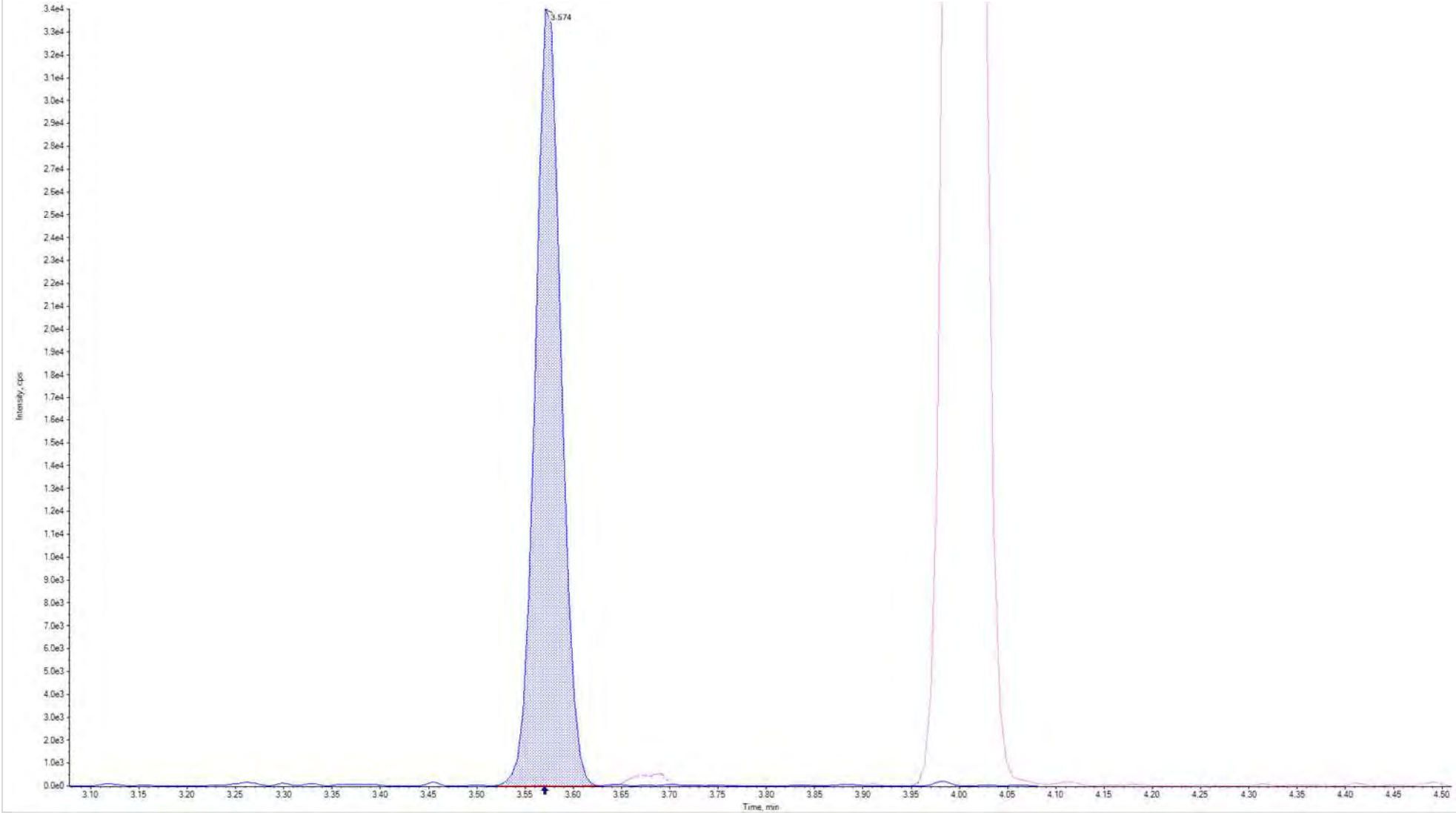
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHxS_2
Sample: IA1633STD-.5 S/N:166.2 Points Across peak:47



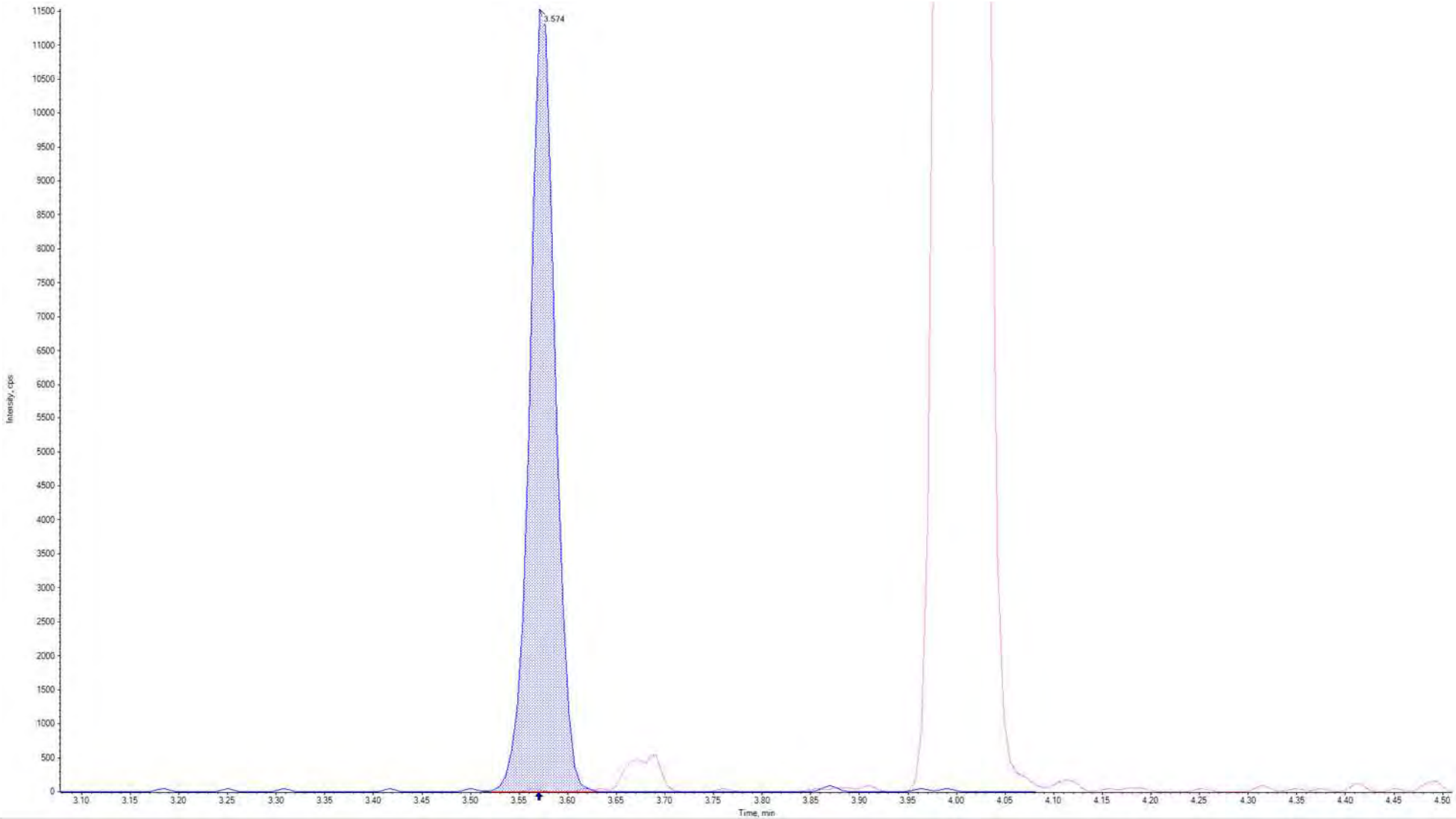
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHpS
Sample: IA1633STD-.5 S/N:681.7 Points Across peak:21



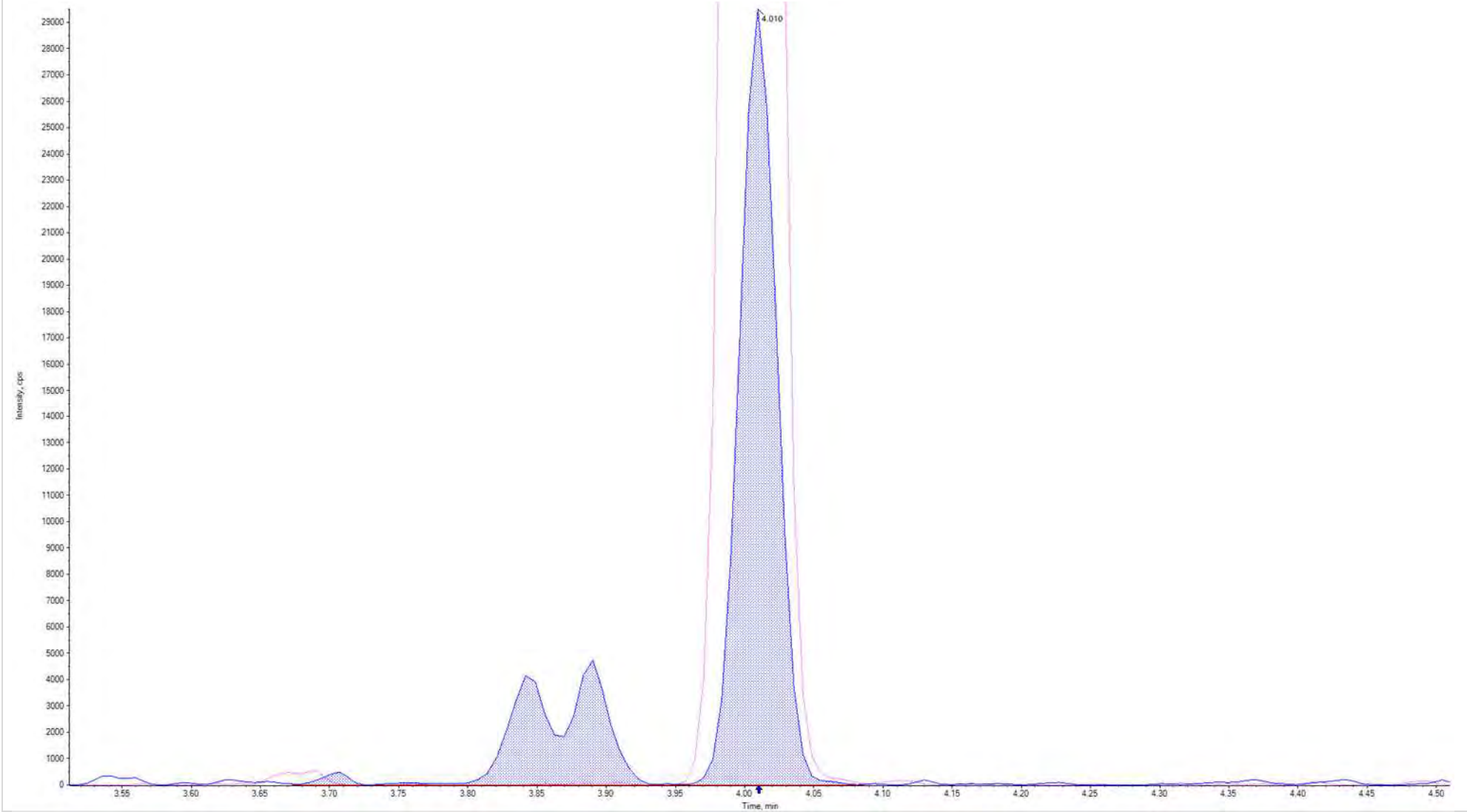
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHpS_2
Sample: IA1633STD-.5 S/N:231.2 Points Across peak:27



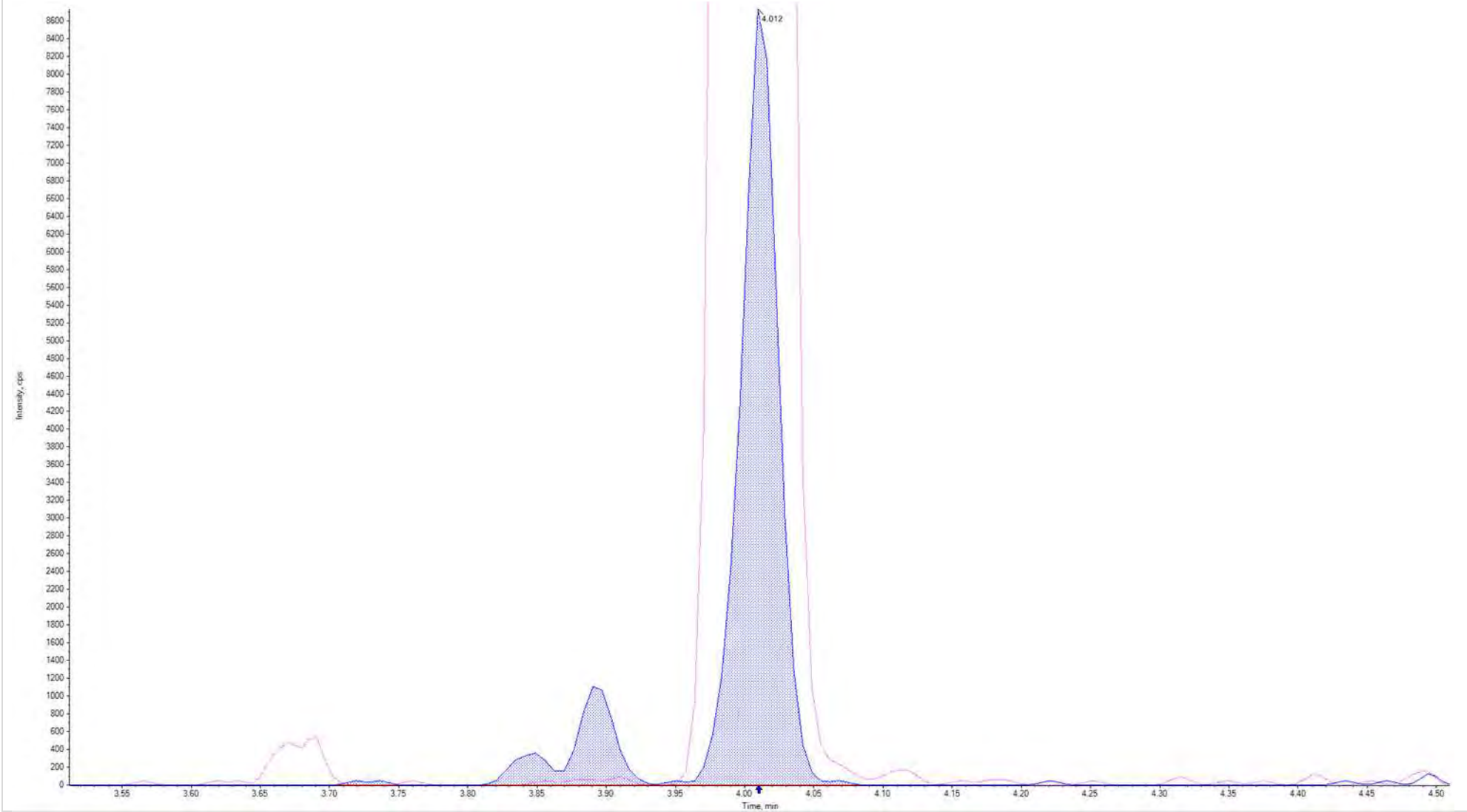
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOS
Sample: IA1633STD-.5 S/N:292.2 Points Across peak:66



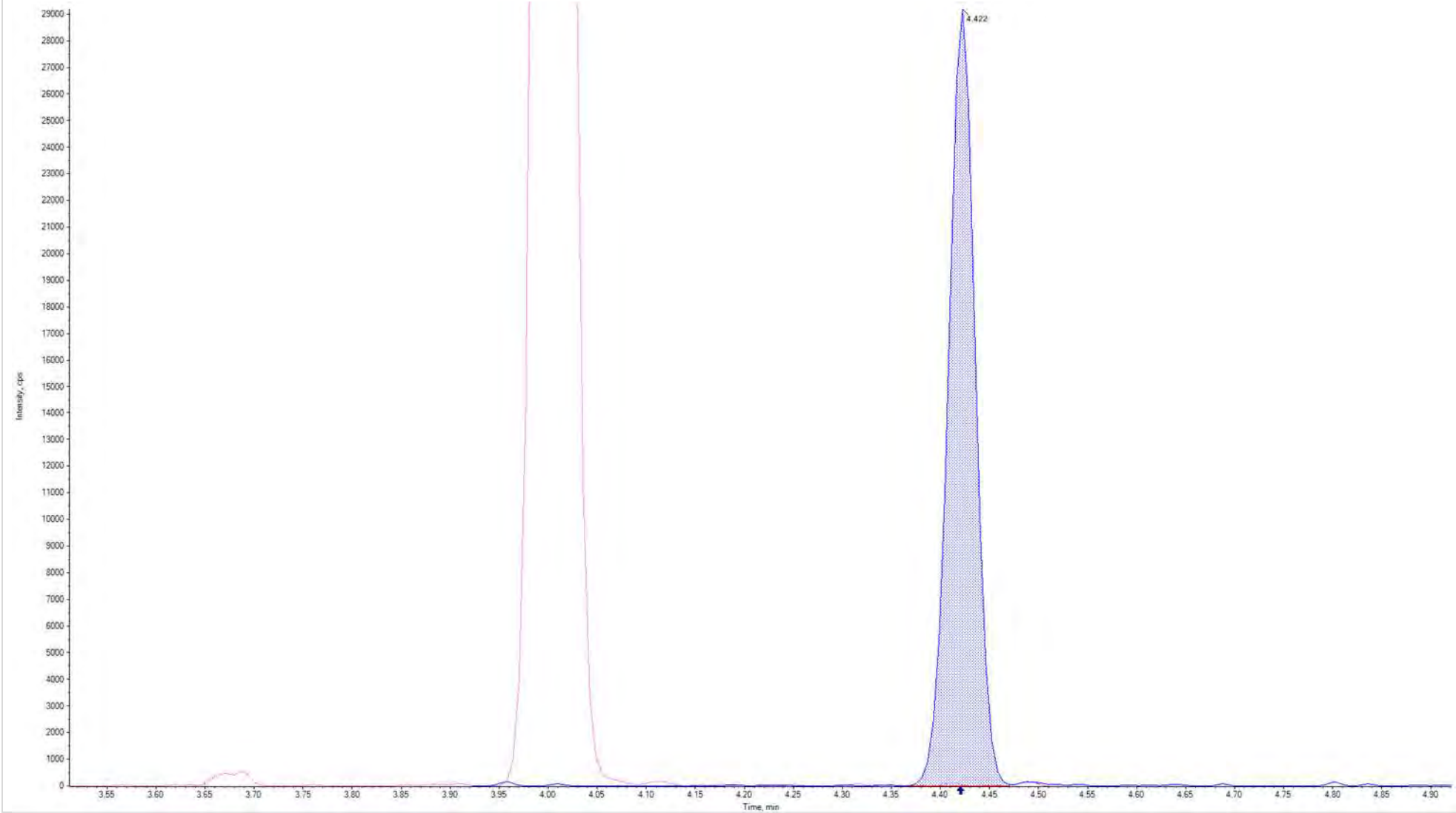
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOS_2
Sample: IA1633STD-.5 S/N:175.1 Points Across peak:60



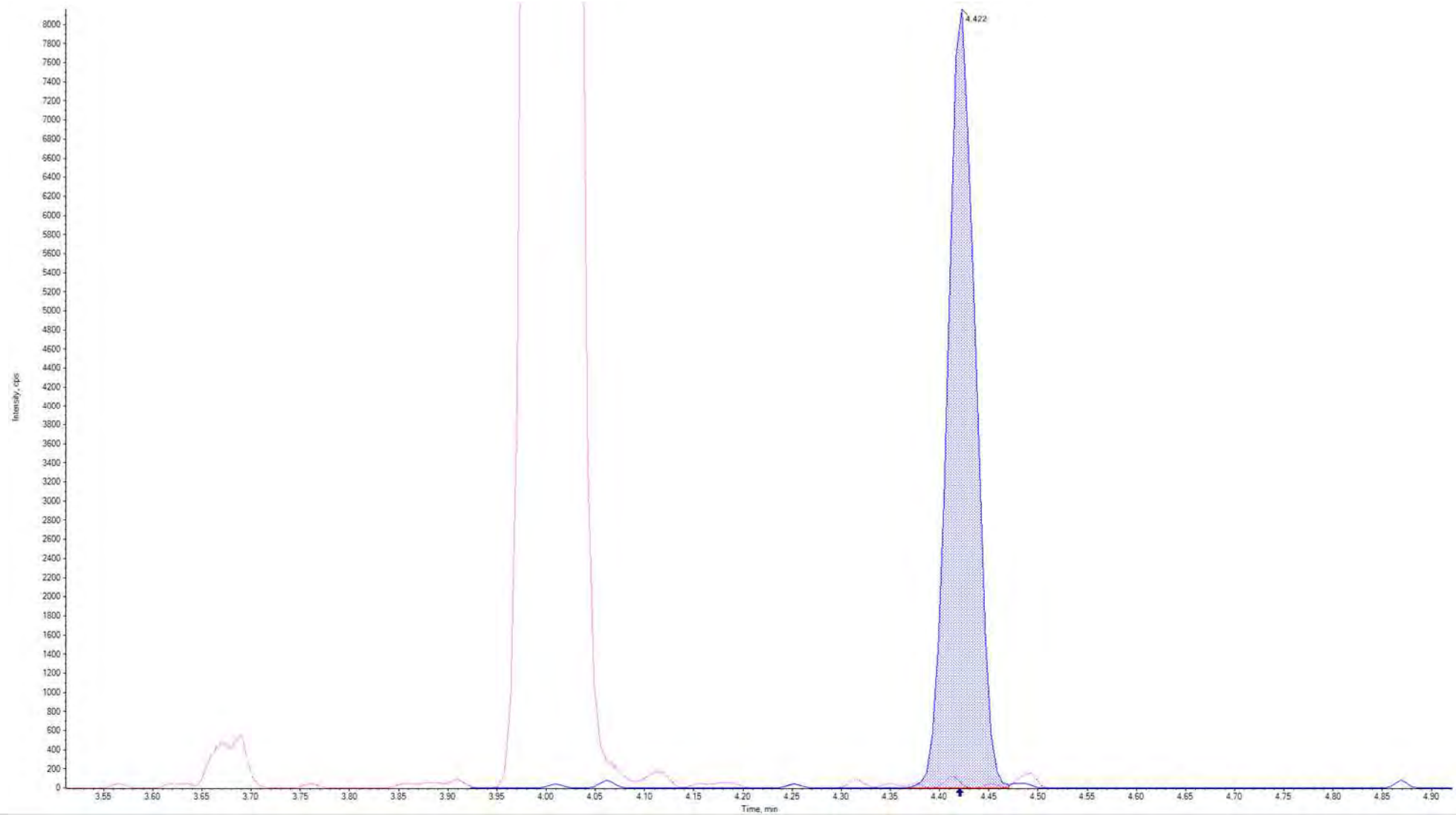
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFNS
Sample: IA1633STD-.5 S/N:731.6 Points Across peak:19



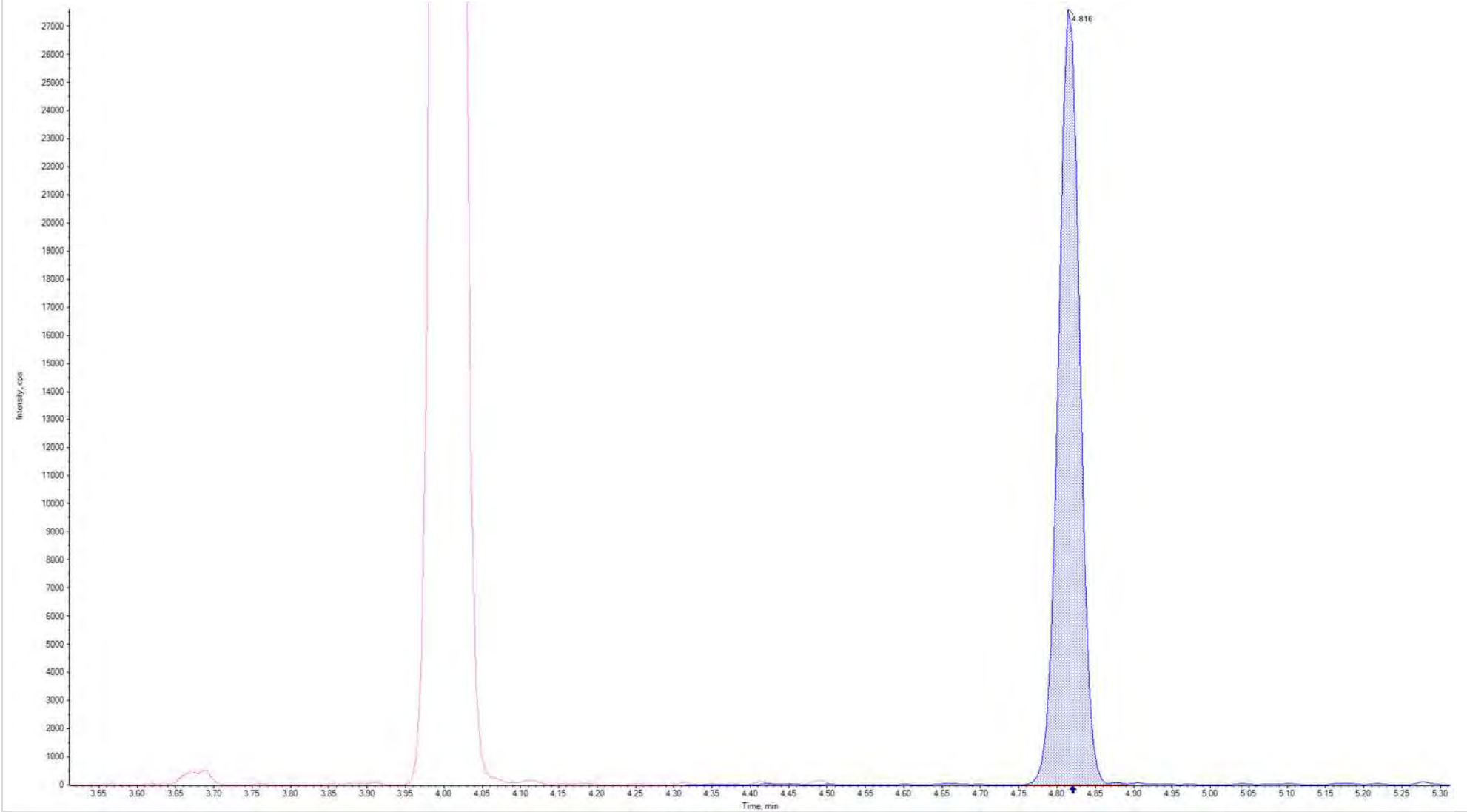
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFNS_2
Sample: IA1633STD-.5 S/N:204.6 Points Across peak:24



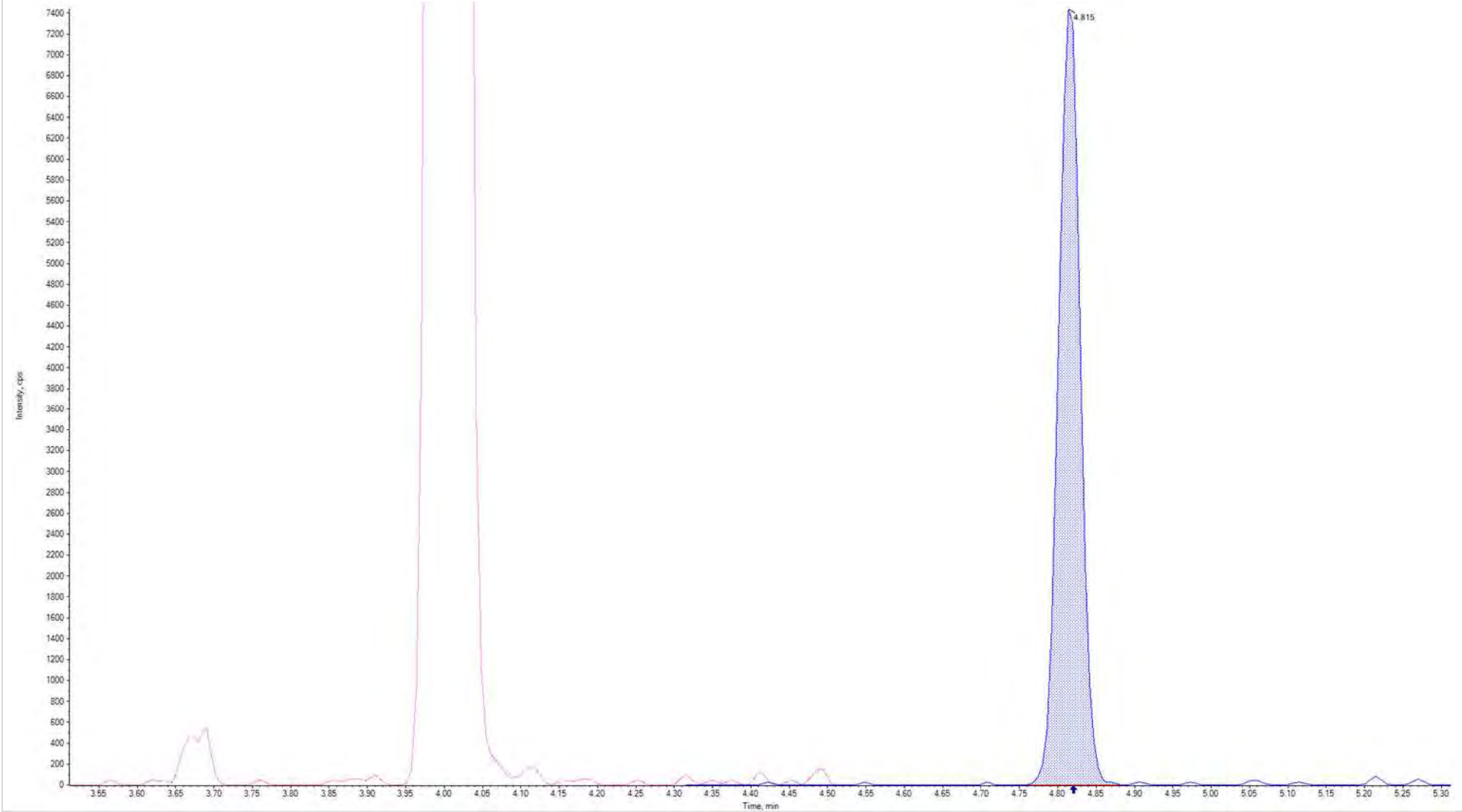
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDS
Sample: IA1633STD-.5 S/N:969.0 Points Across peak:27



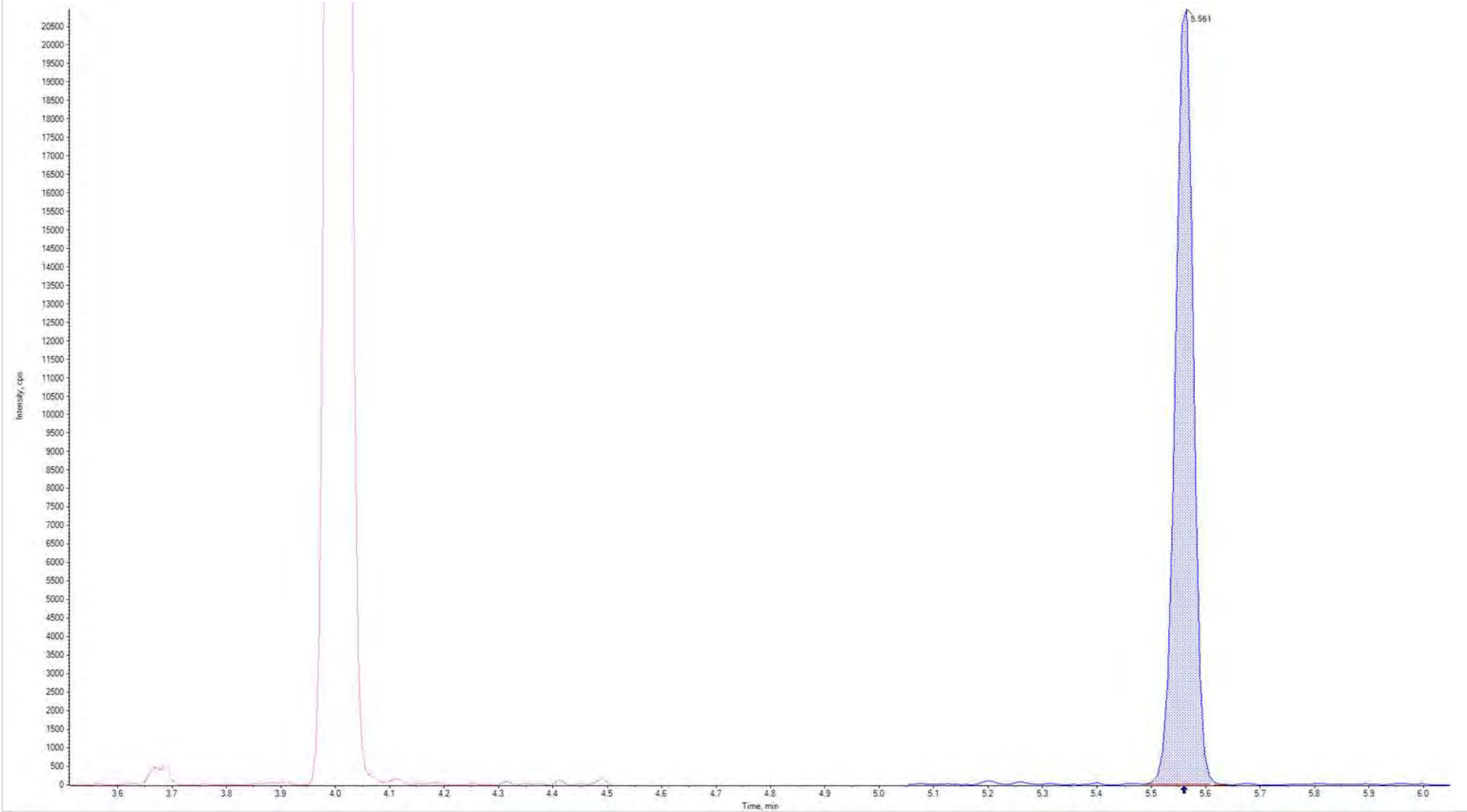
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDS_2
Sample: IA1633STD-.5 S/N:261.0 Points Across peak:26



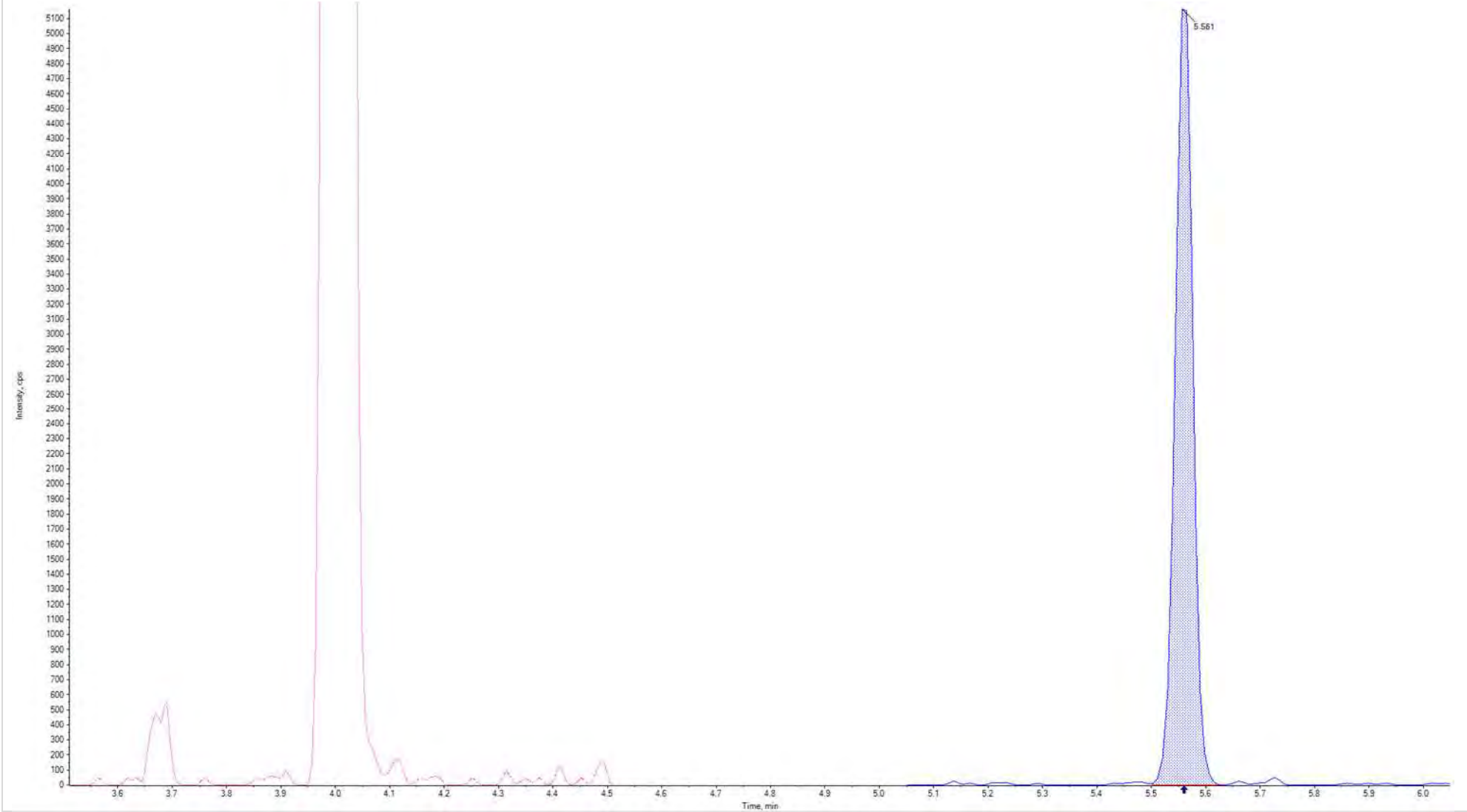
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoS
Sample: IA1633STD-.5 S/N:1628.4 Points Across peak:20



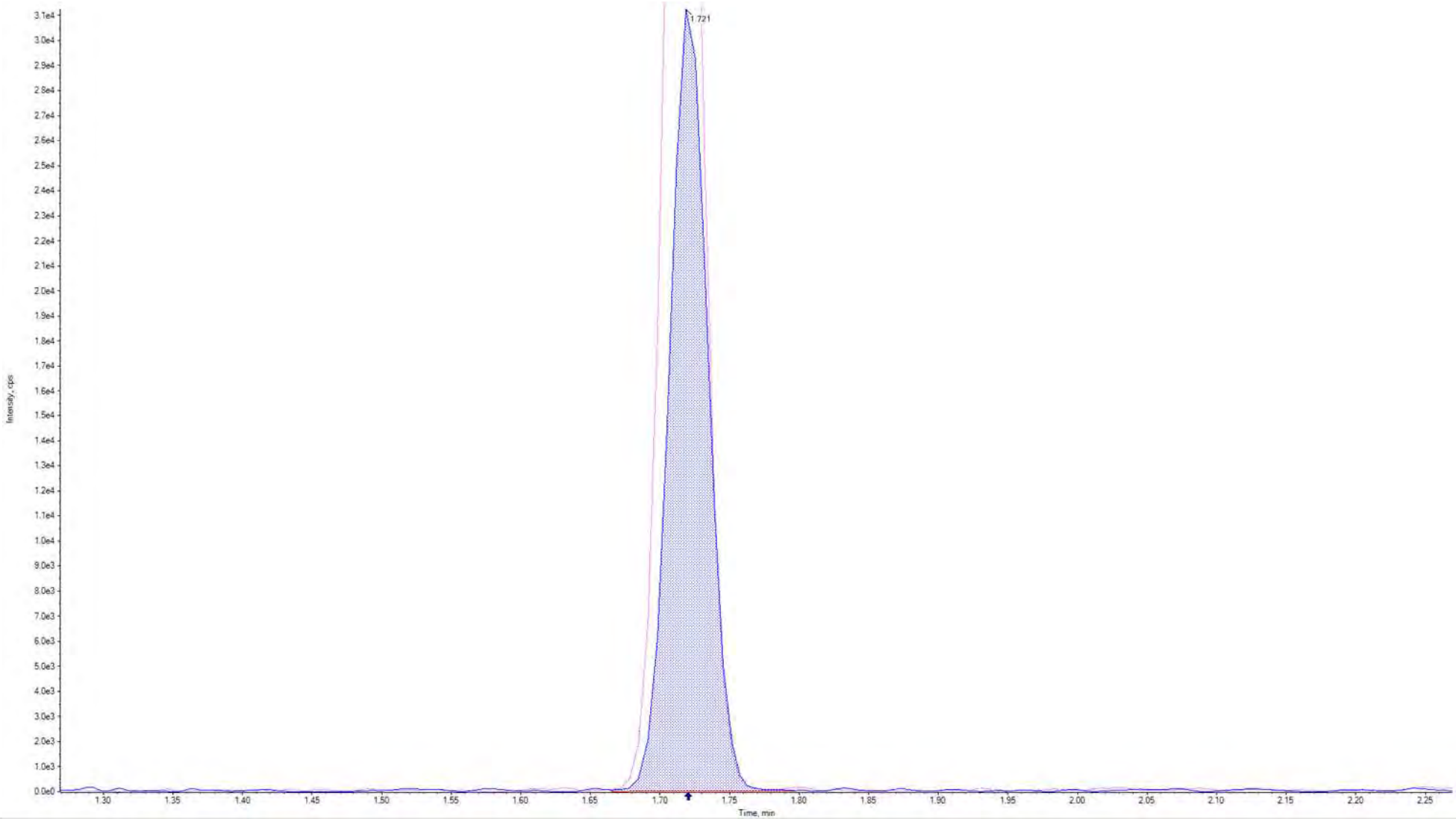
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoS_2
Sample: IA1633STD-.5 S/N:401.2 Points Across peak:16



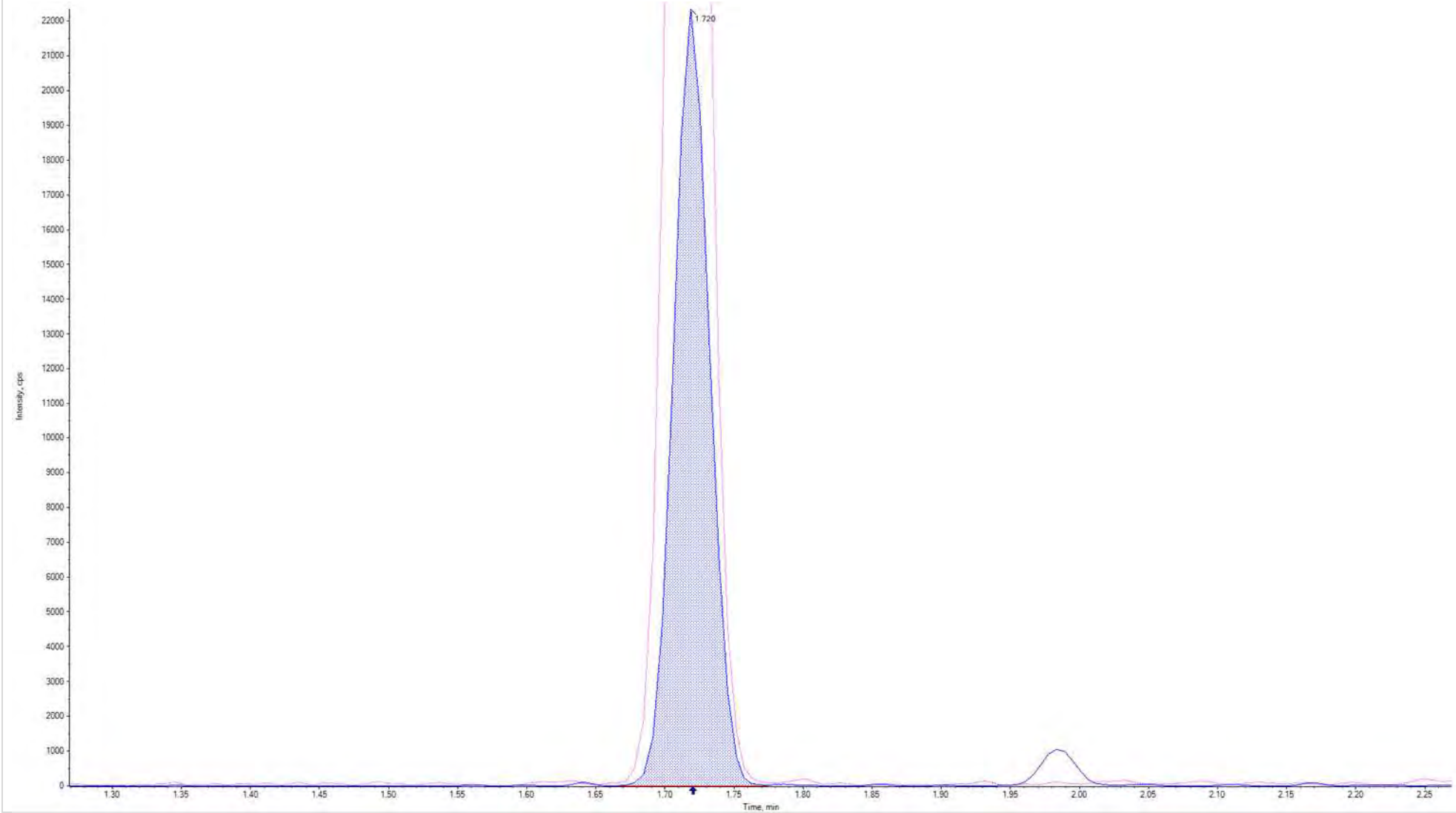
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

4:2FTS
Sample: IA1633STD-.5 S/N:1174.1 Points Across peak:22



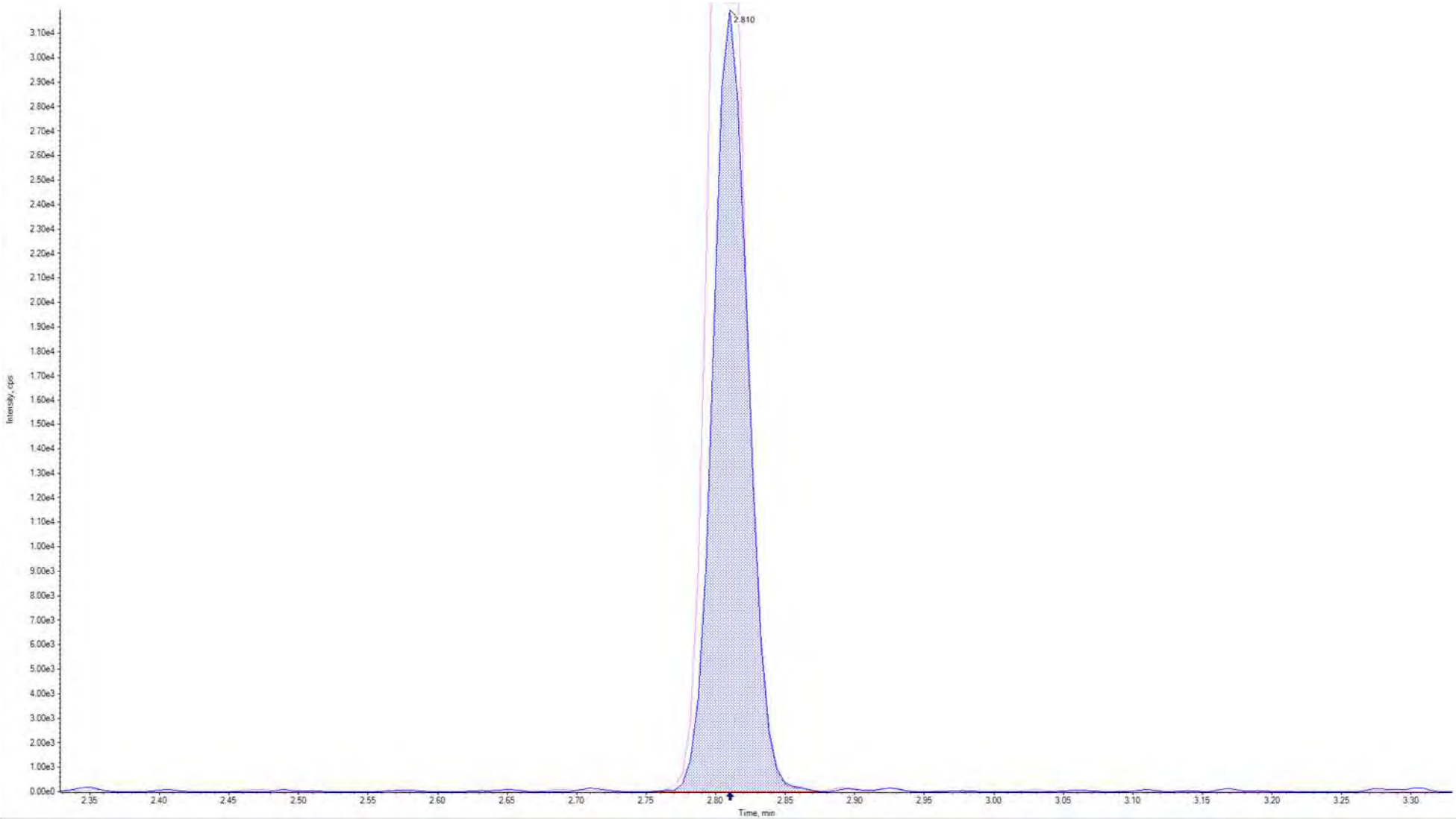
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

4:2FTS_2
Sample: IA1633STD-.5 S/N:840.1 Points Across peak:19



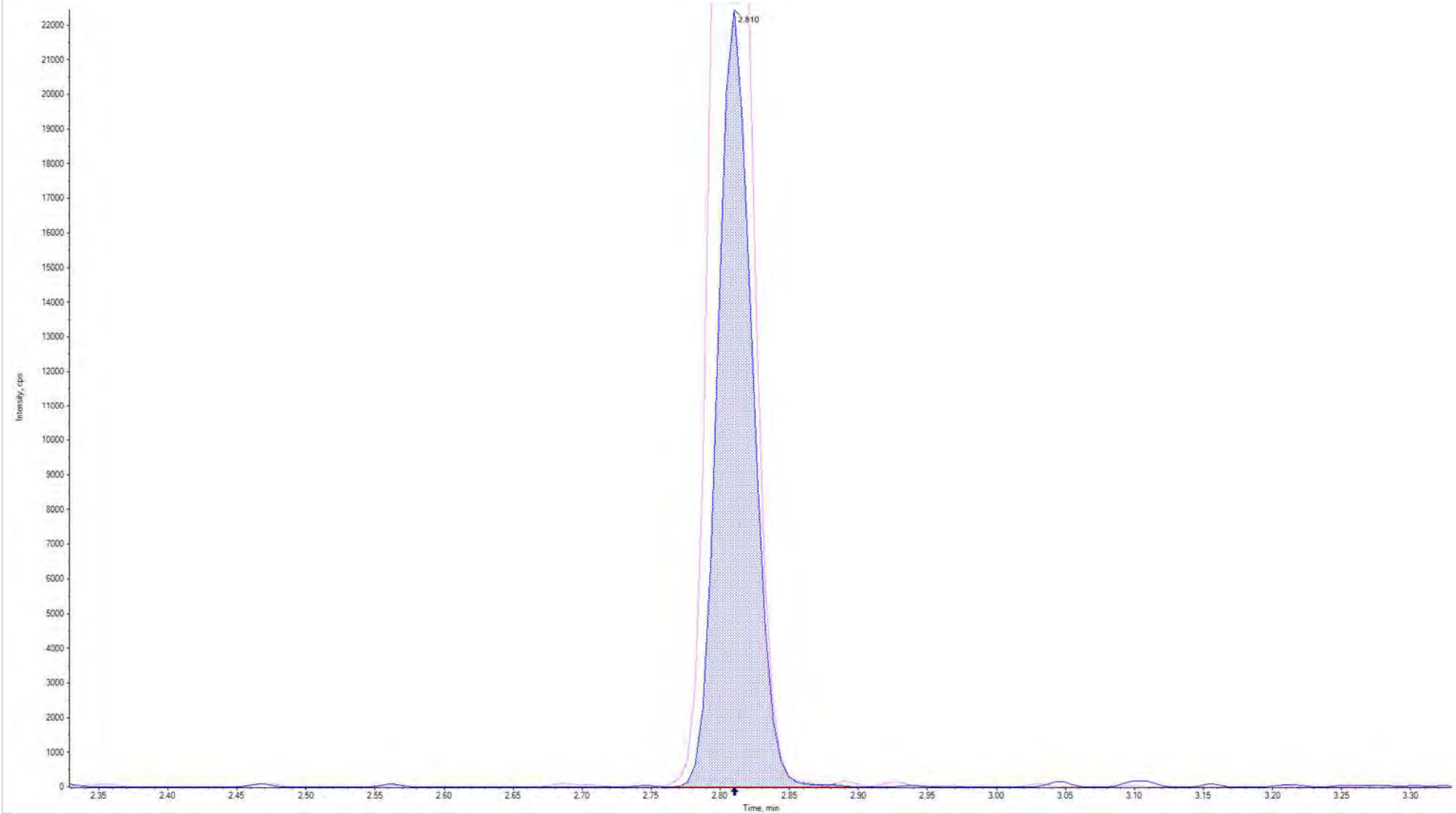
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

6:2FTS
Sample: IA1633STD-.5 S/N:640.6 Points Across peak:24



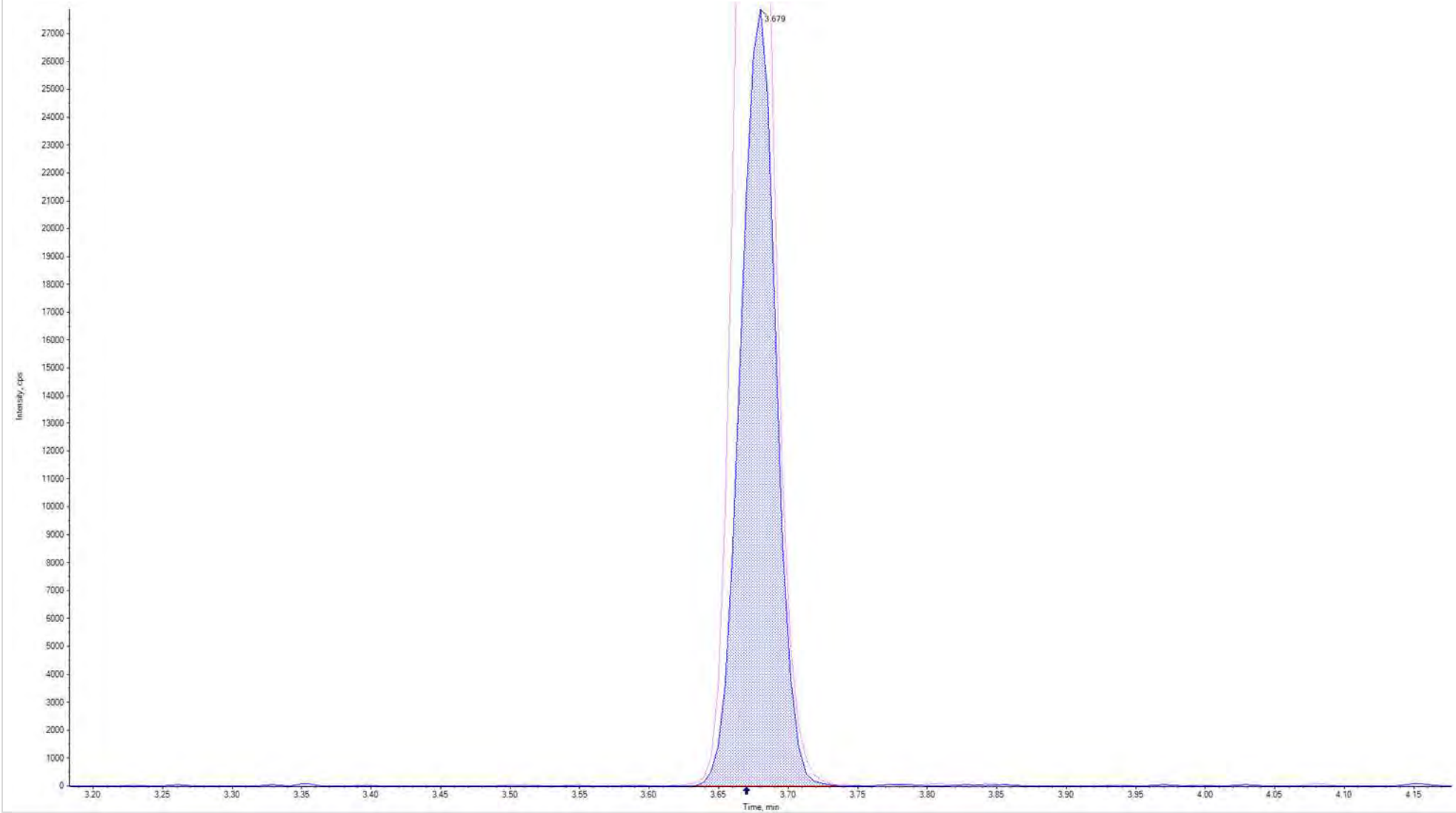
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

6:2FTS_2
Sample: IA1633STD-.5 S/N:450.1 Points Across peak:27



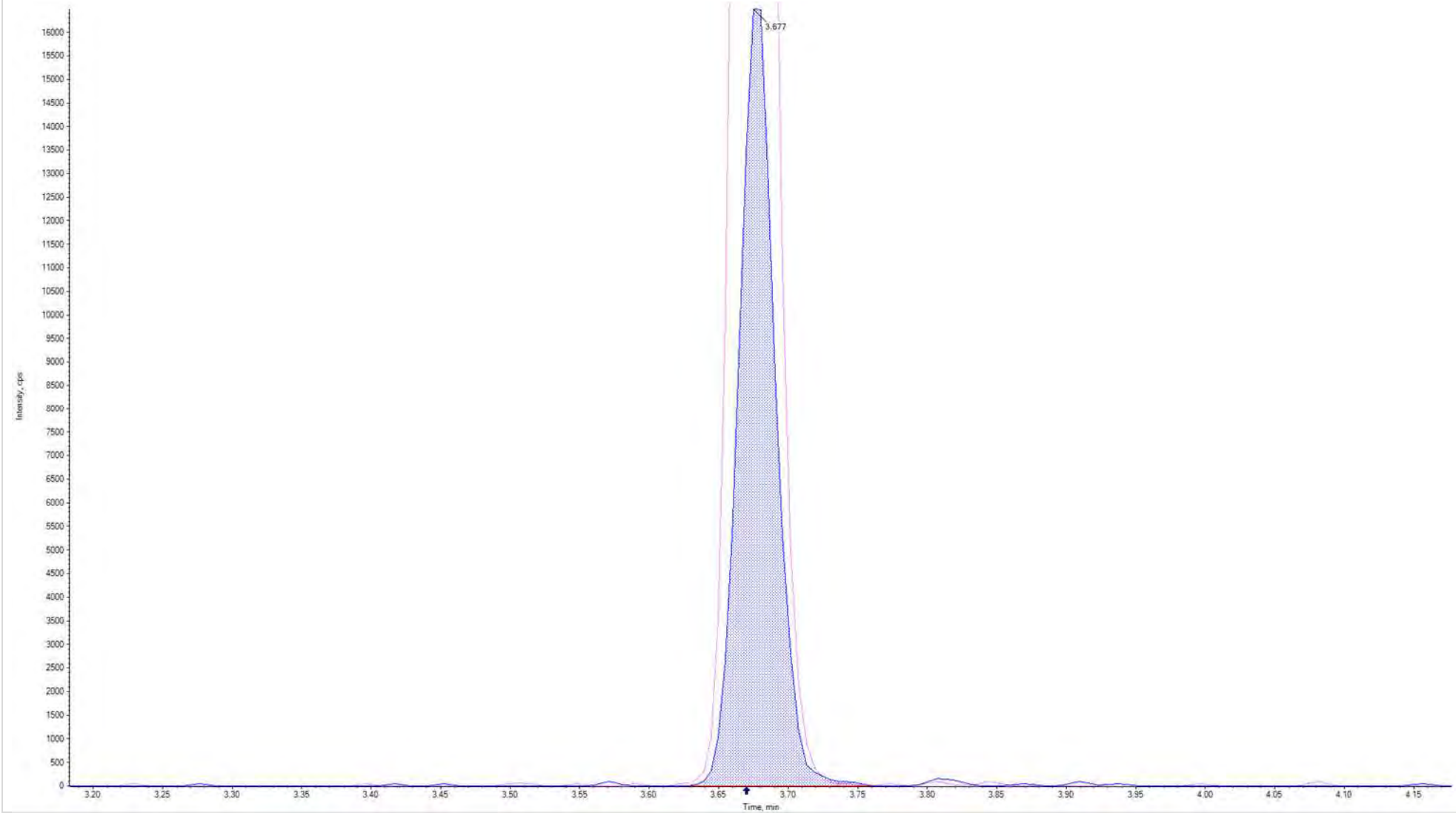
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

8:2FTS
Sample: IA1633STD-.5 S/N:559.0 Points Across peak:28



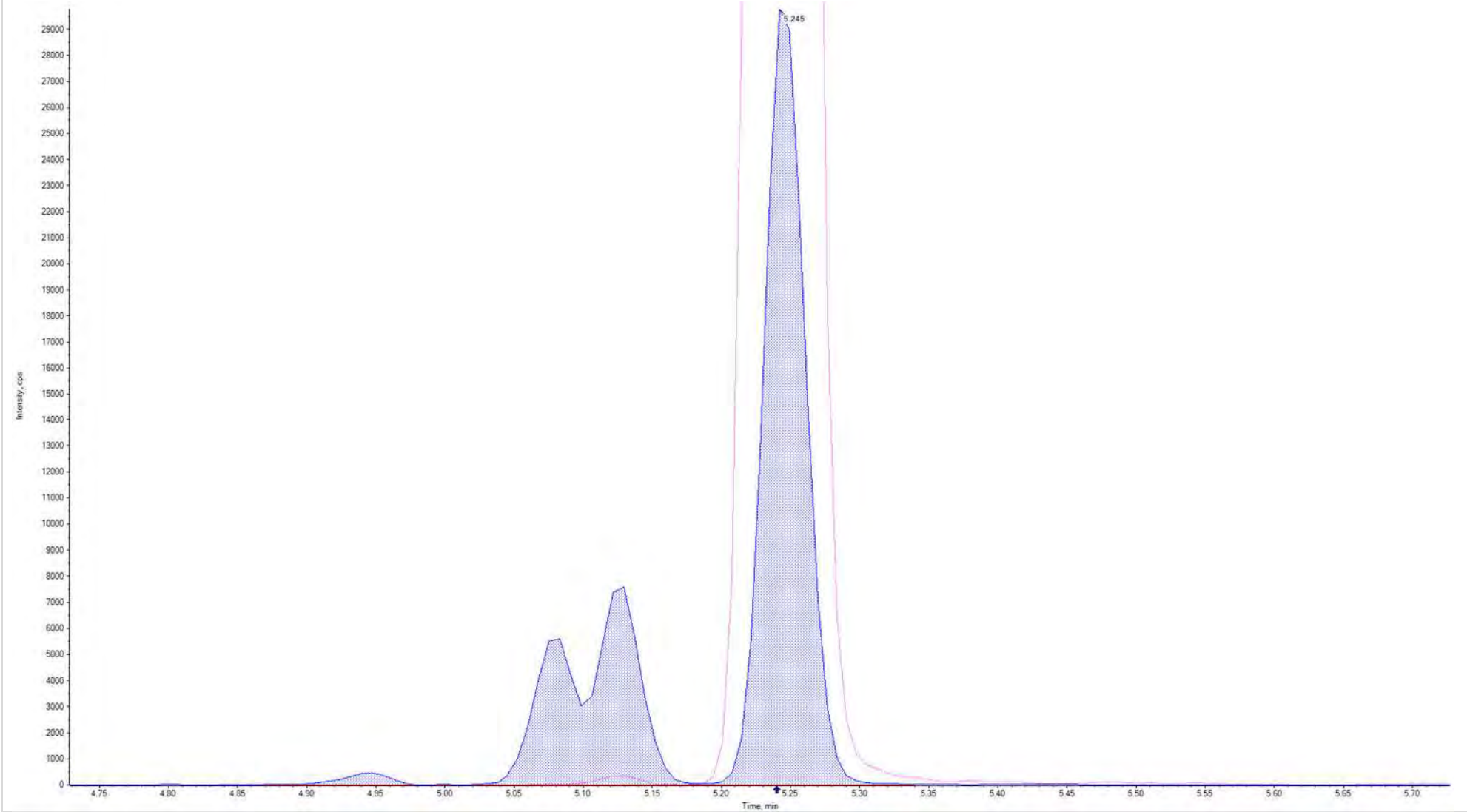
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

8:2FTS_2
Sample: IA1633STD-.5 S/N:330.7 Points Across peak:30



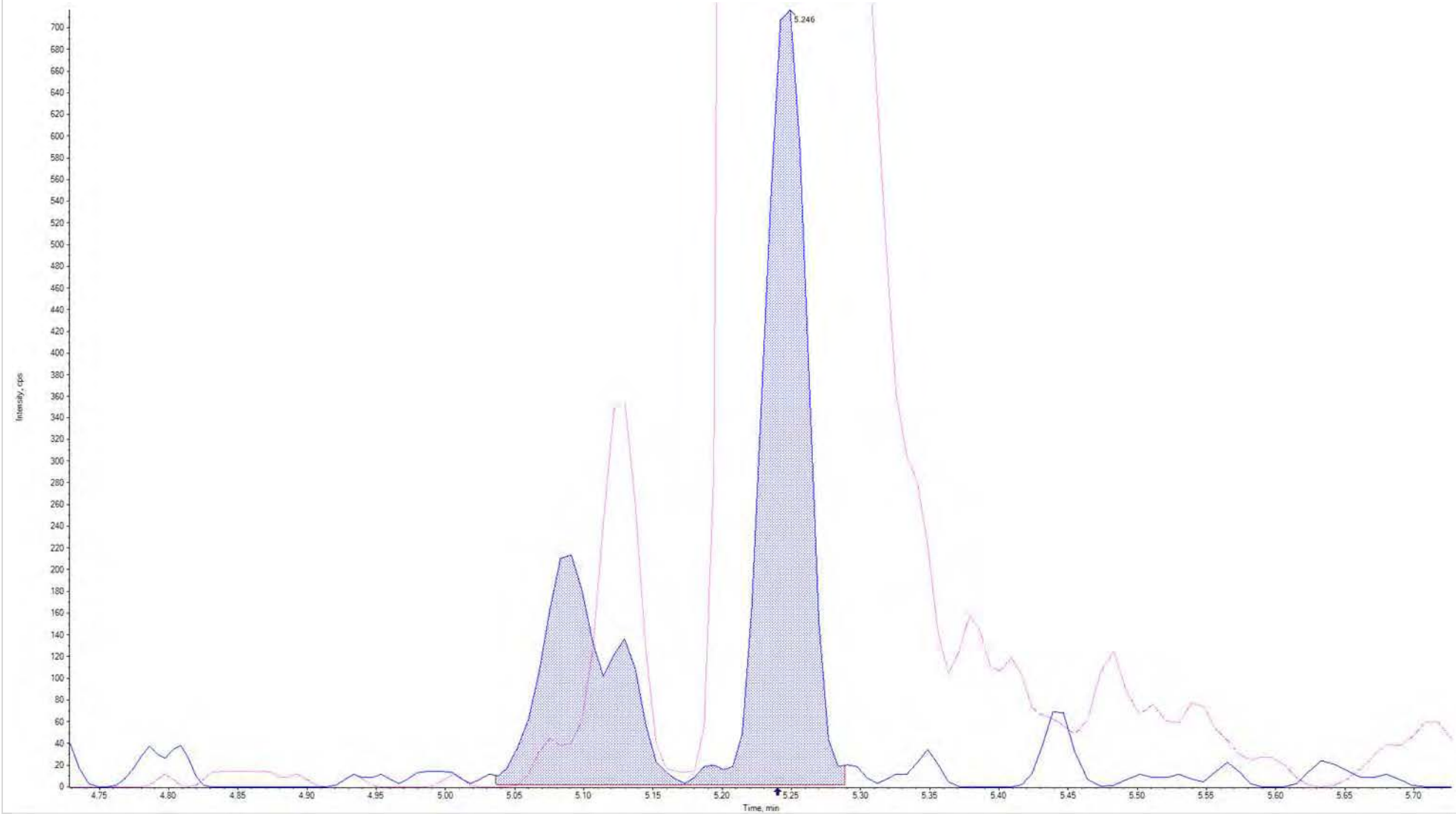
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOSA
Sample: IA1633STD-.5 S/N:380.8 Points Across peak:72



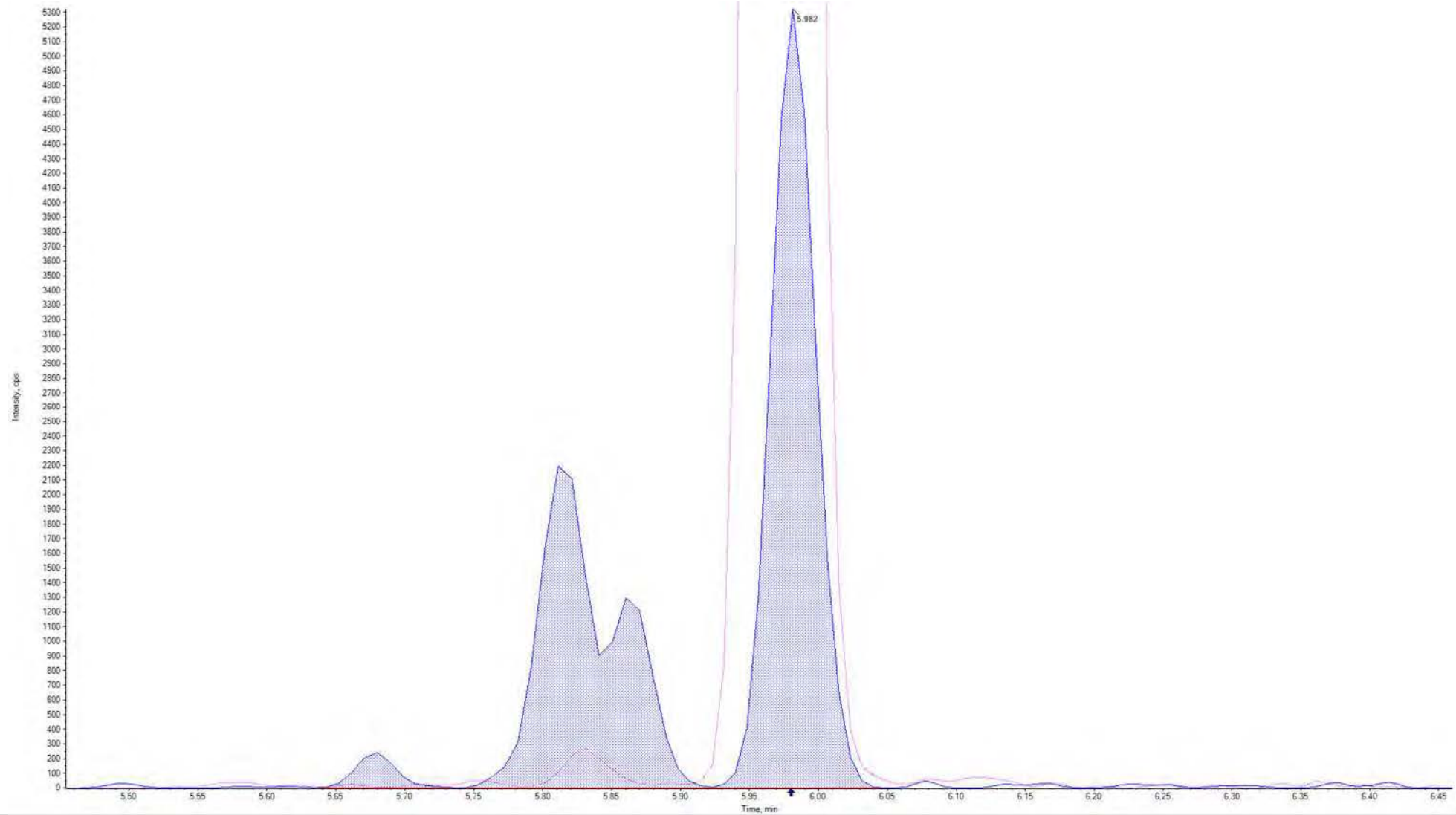
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOSA_2
Sample: IA1633STD-.5 S/N:62.7 Points Across peak:37



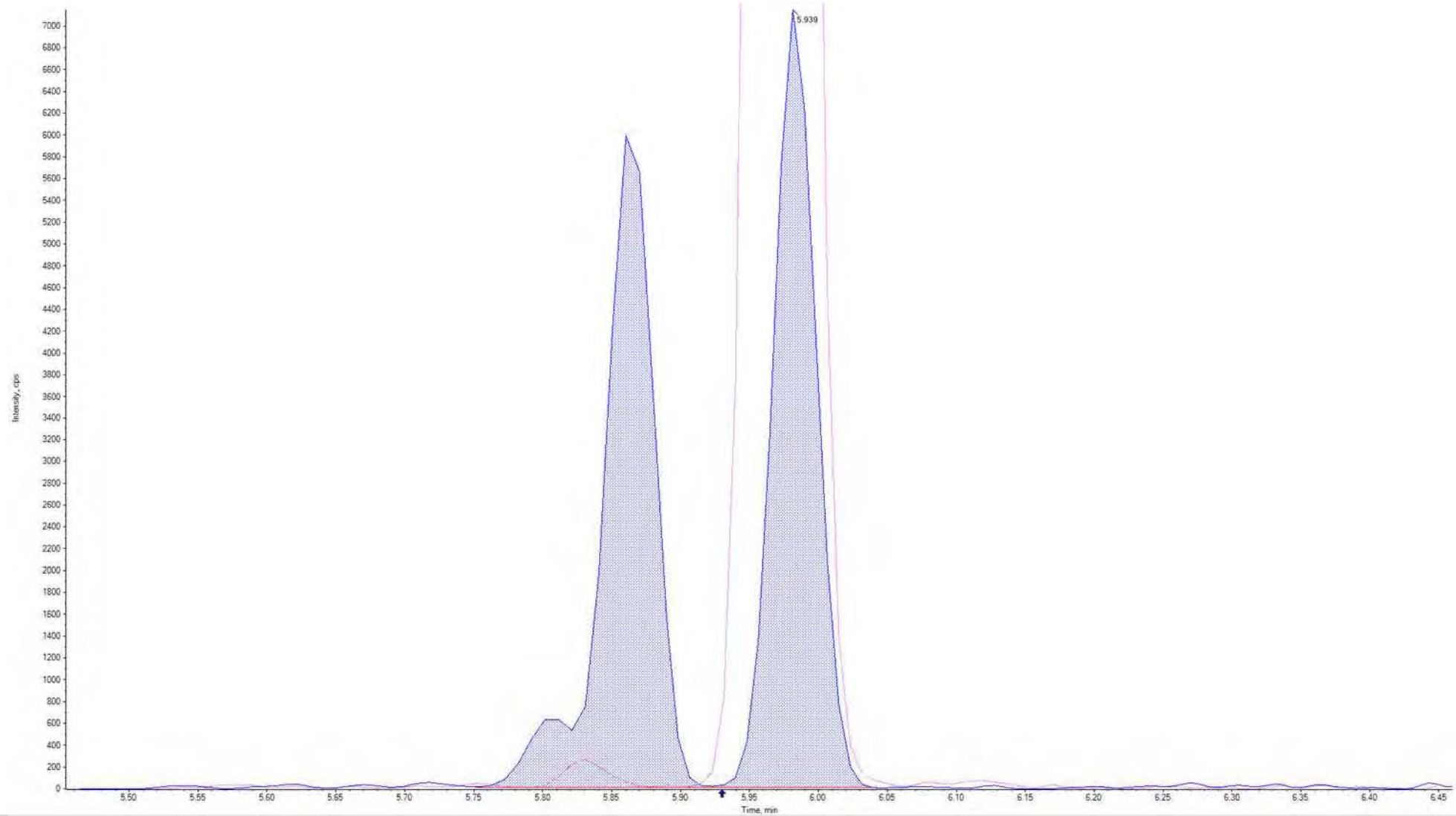
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSA
Sample: IA1633STD-.5 S/N:209.7 Points Across peak:47



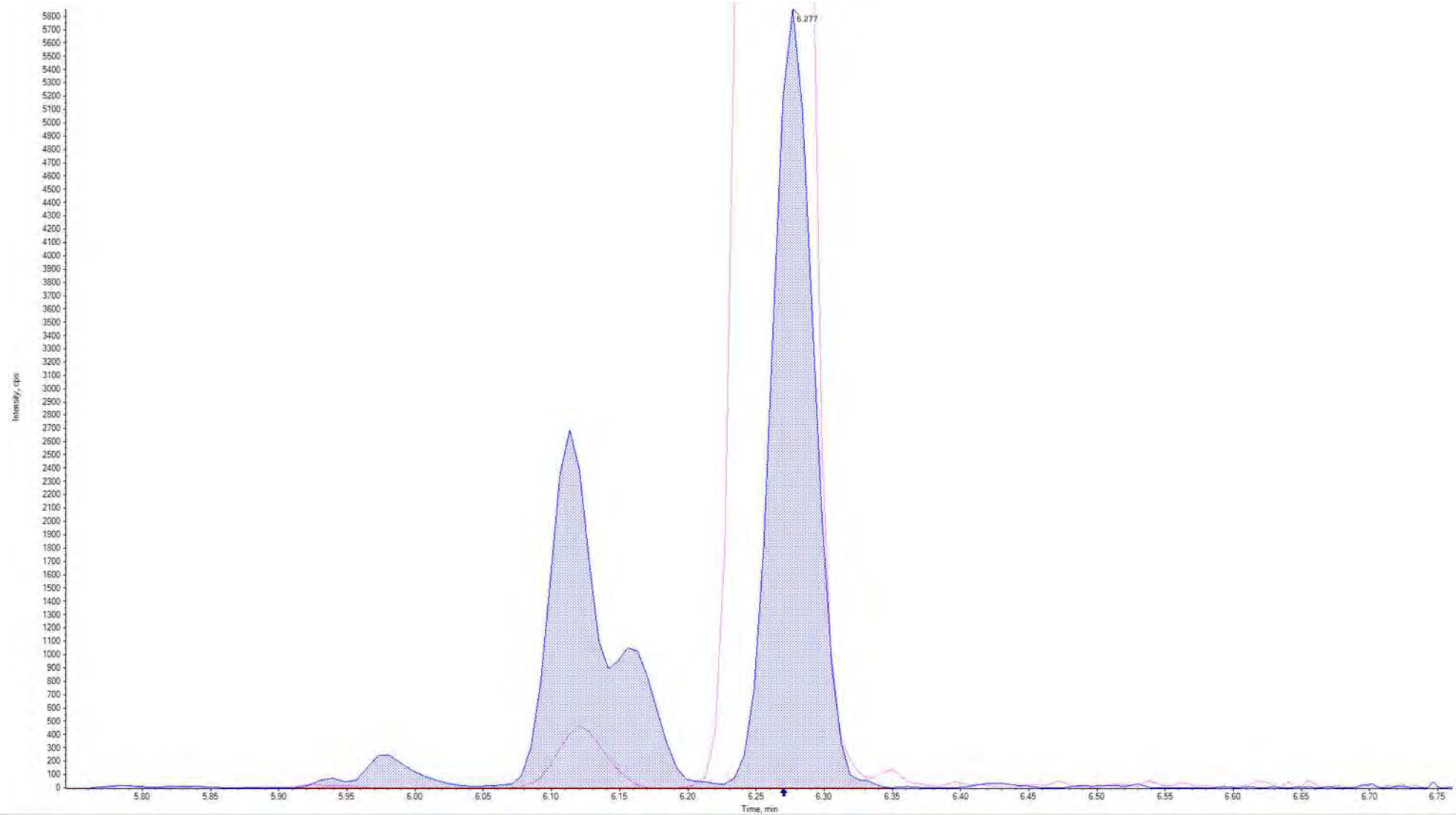
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSA_2
Sample: IA1633STD-.5 S/N:213.2 Points Across peak:35



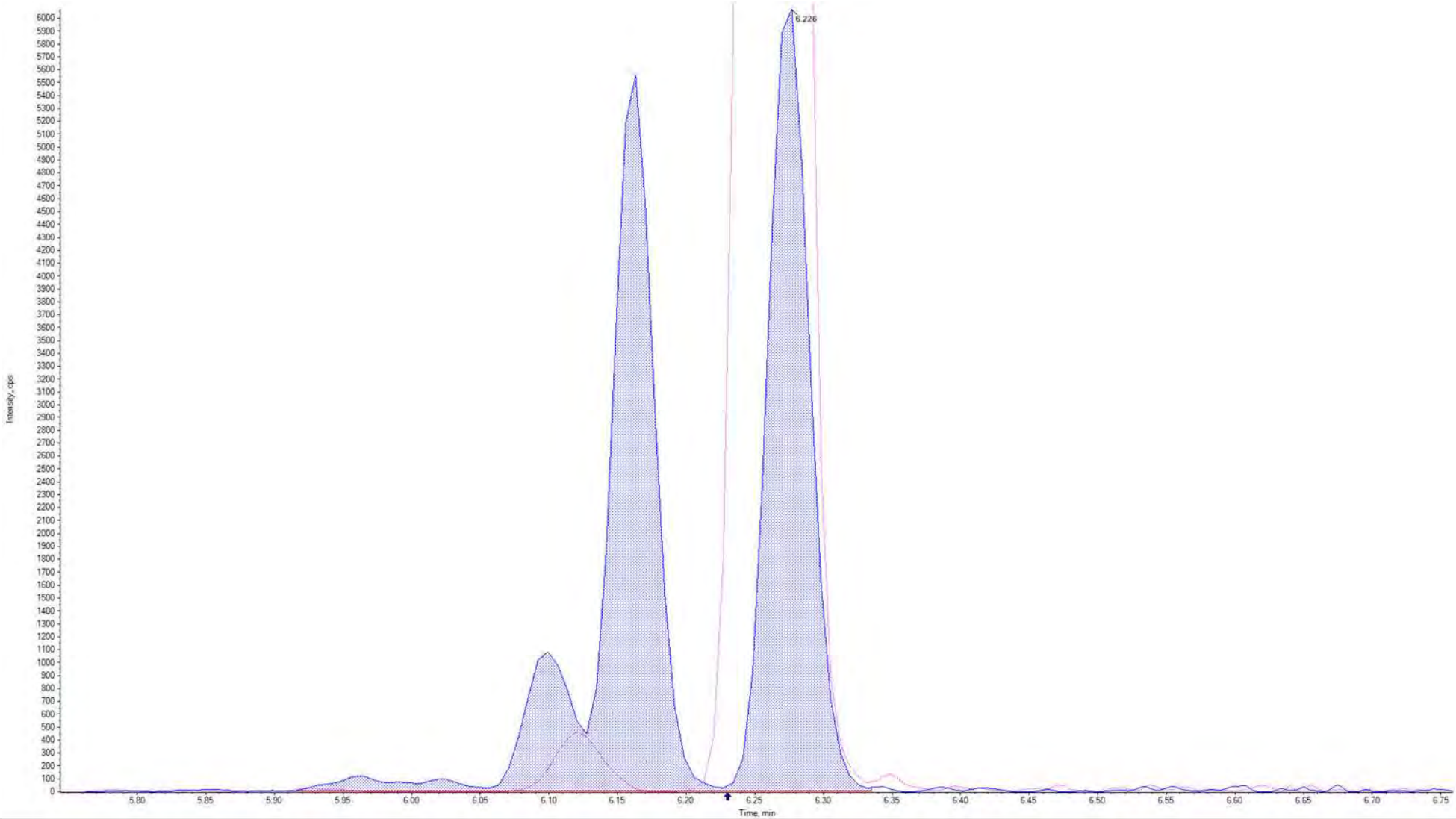
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSA
Sample: IA1633STD-.5 S/N:402.6 Points Across peak:61



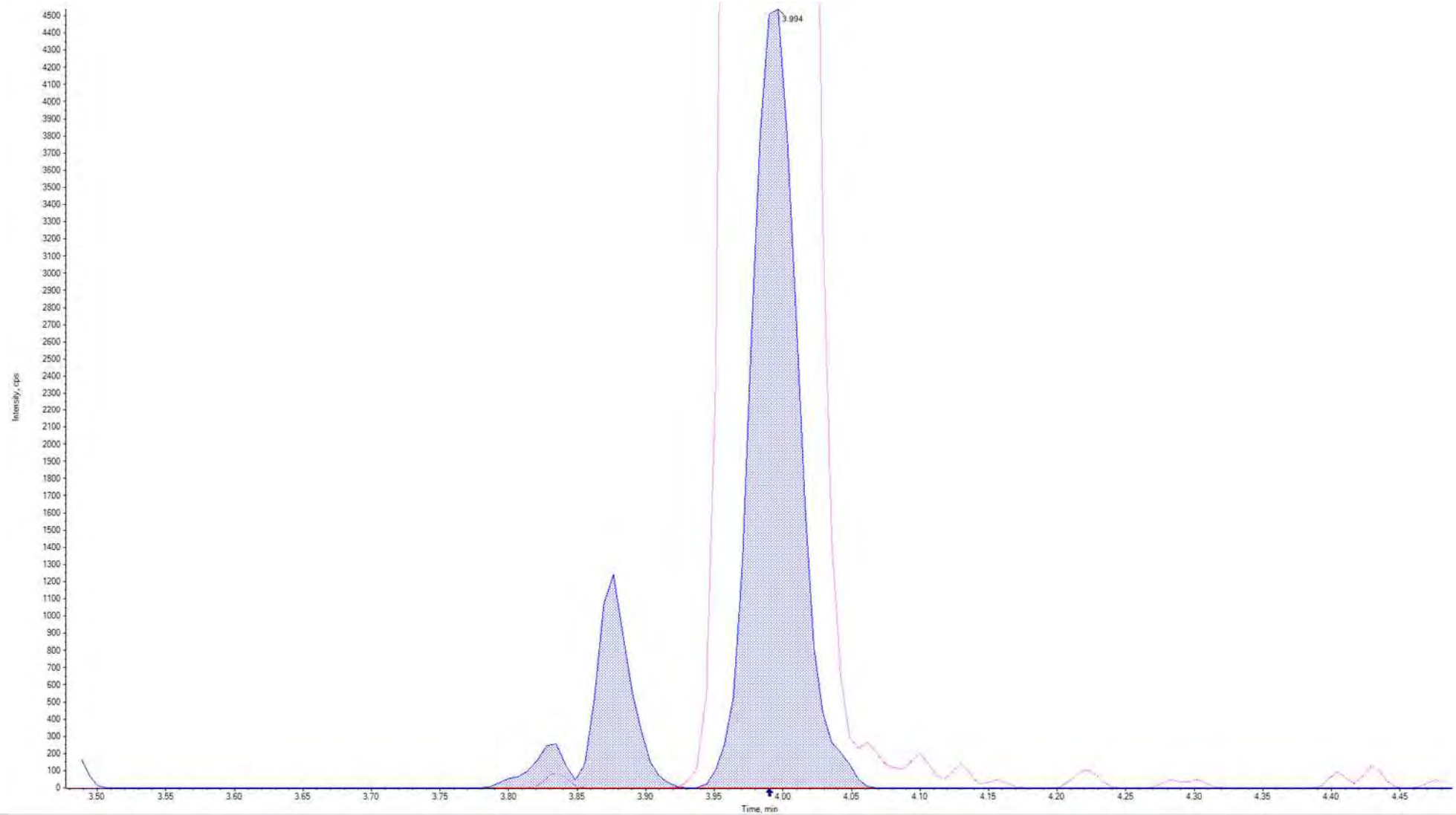
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSA_2
Sample: IA1633STD-.5 S/N:253.4 Points Across peak:59



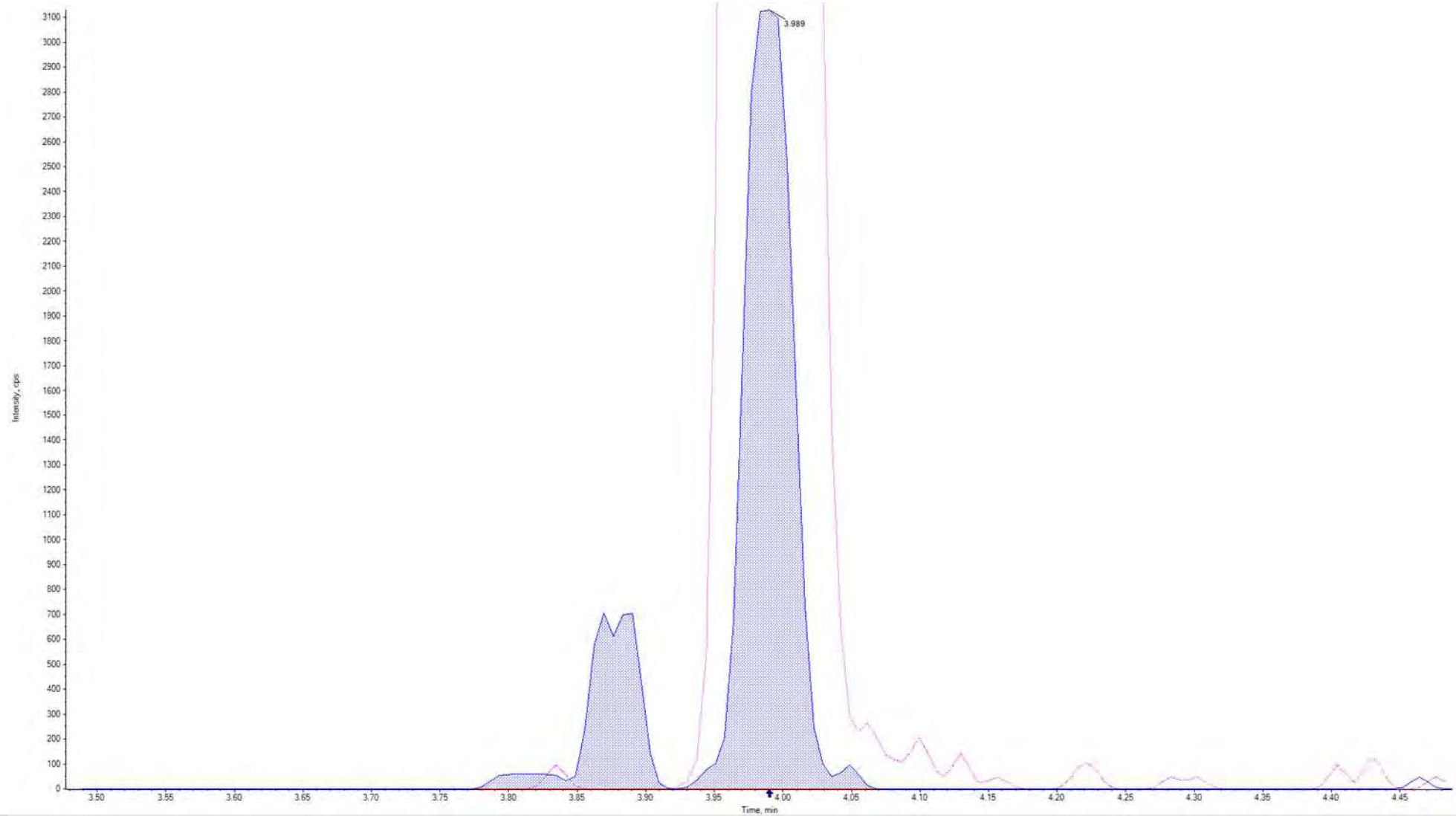
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSAA
Sample: IA1633STD-.5 S/N:91.0 Points Across peak:54



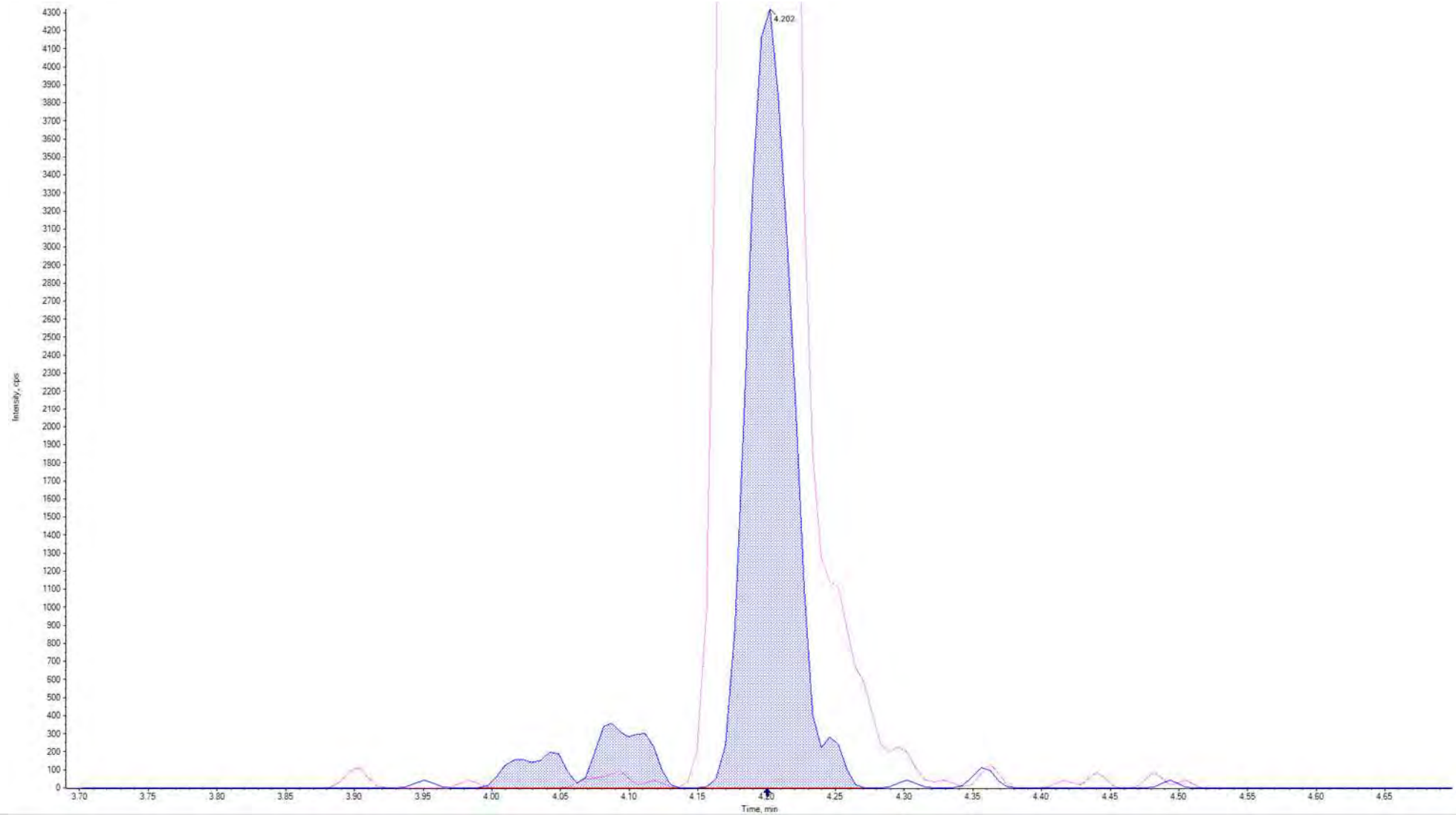
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSAA_2
Sample: IA1633STD-.5 S/N:62.8 Points Across peak:55



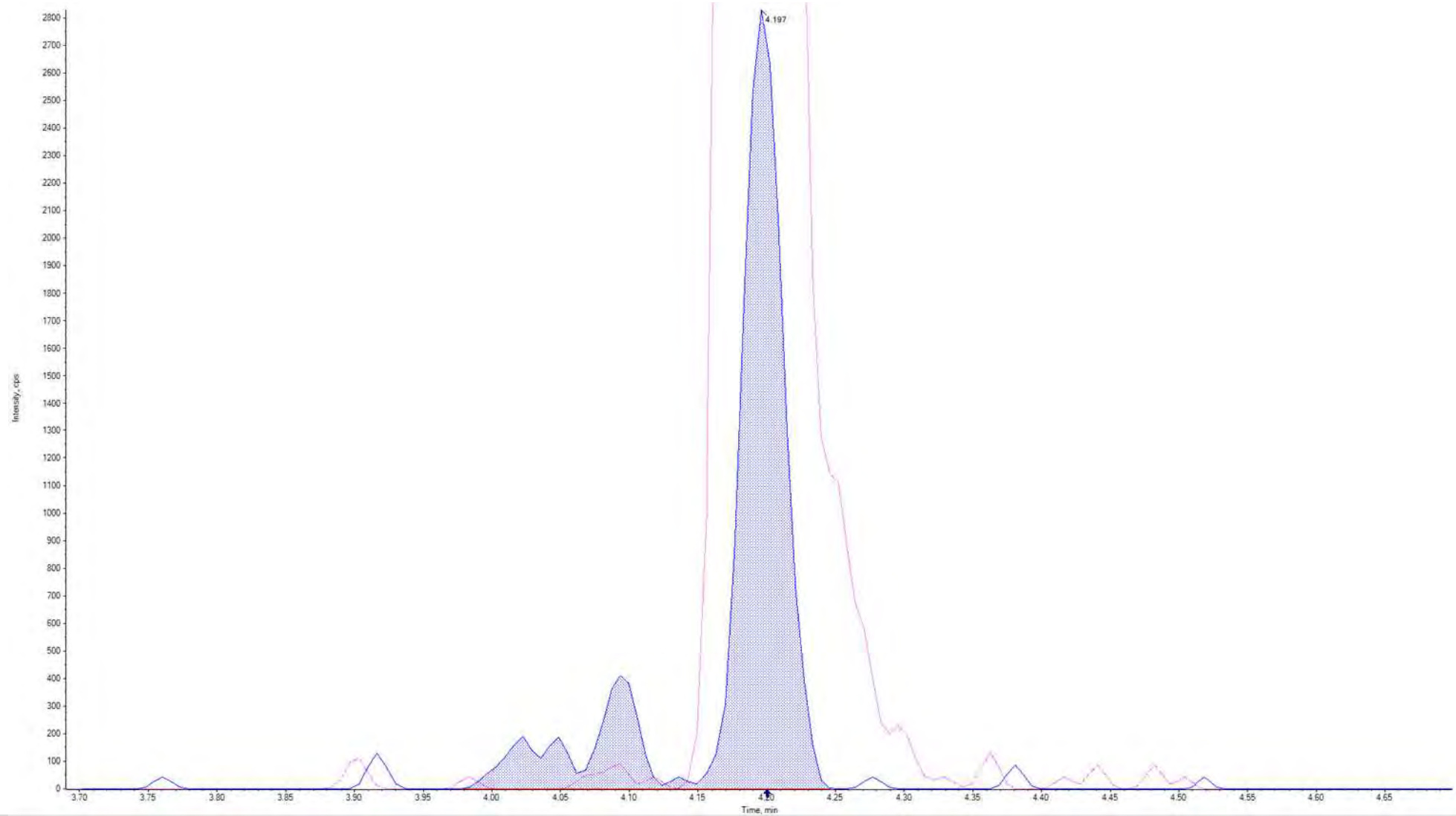
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSAA
Sample: IA1633STD-.5 S/N:97.5 Points Across peak:49



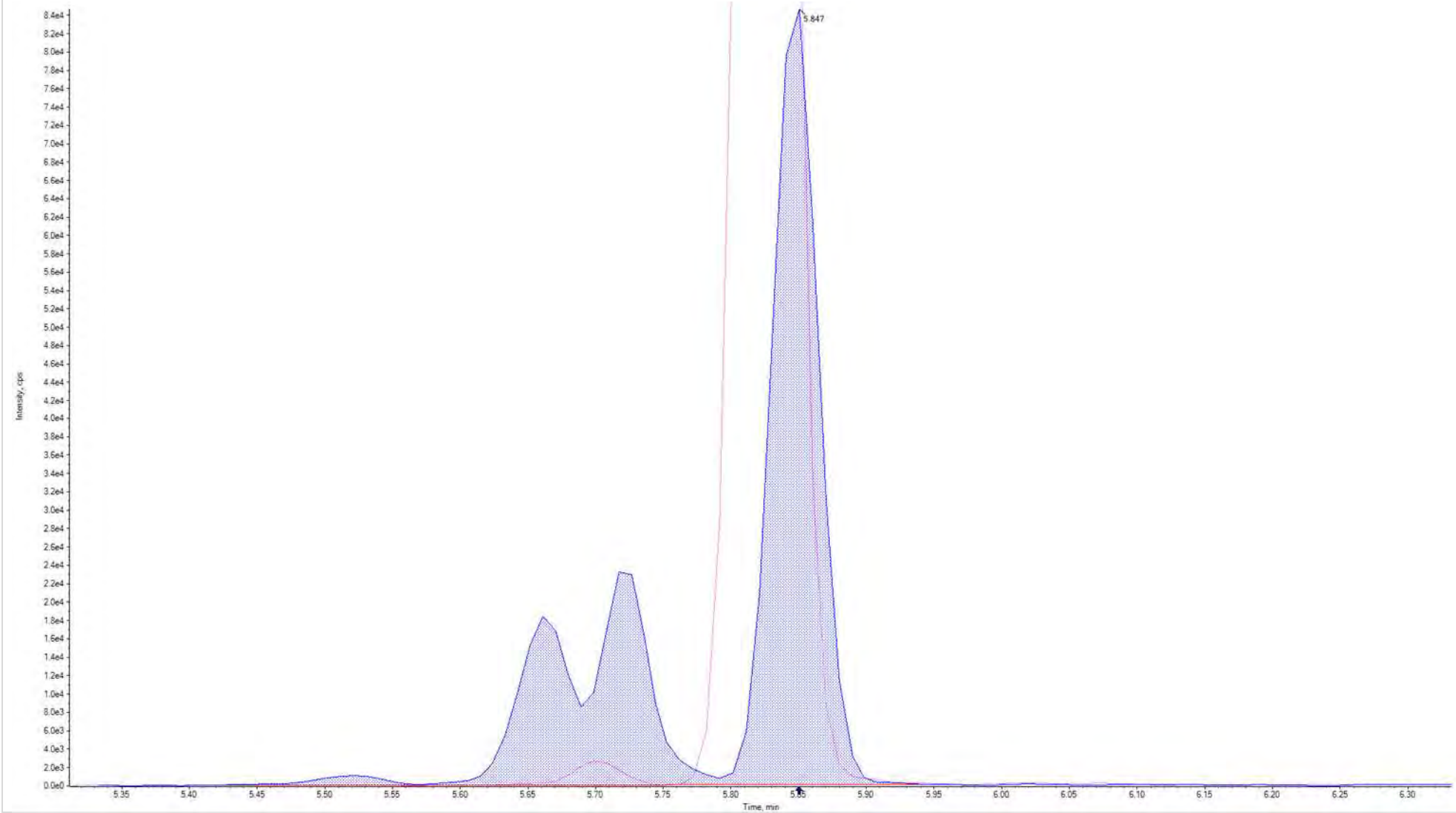
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSAA_2
Sample: IA1633STD-.5 S/N:63.8 Points Across peak:44



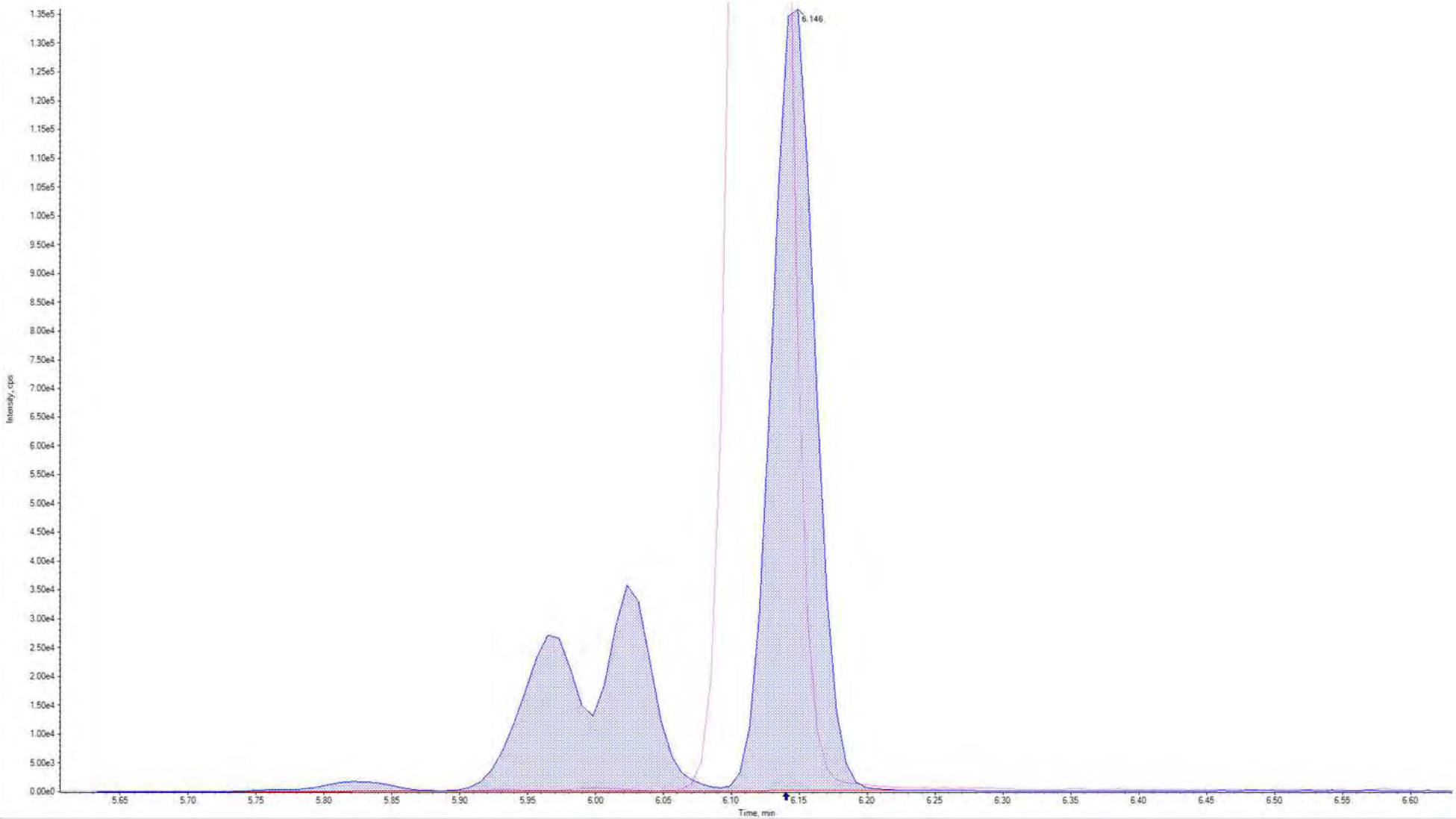
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSE
Sample: IA1633STD-.5 S/N:207.5 Points Across peak:62



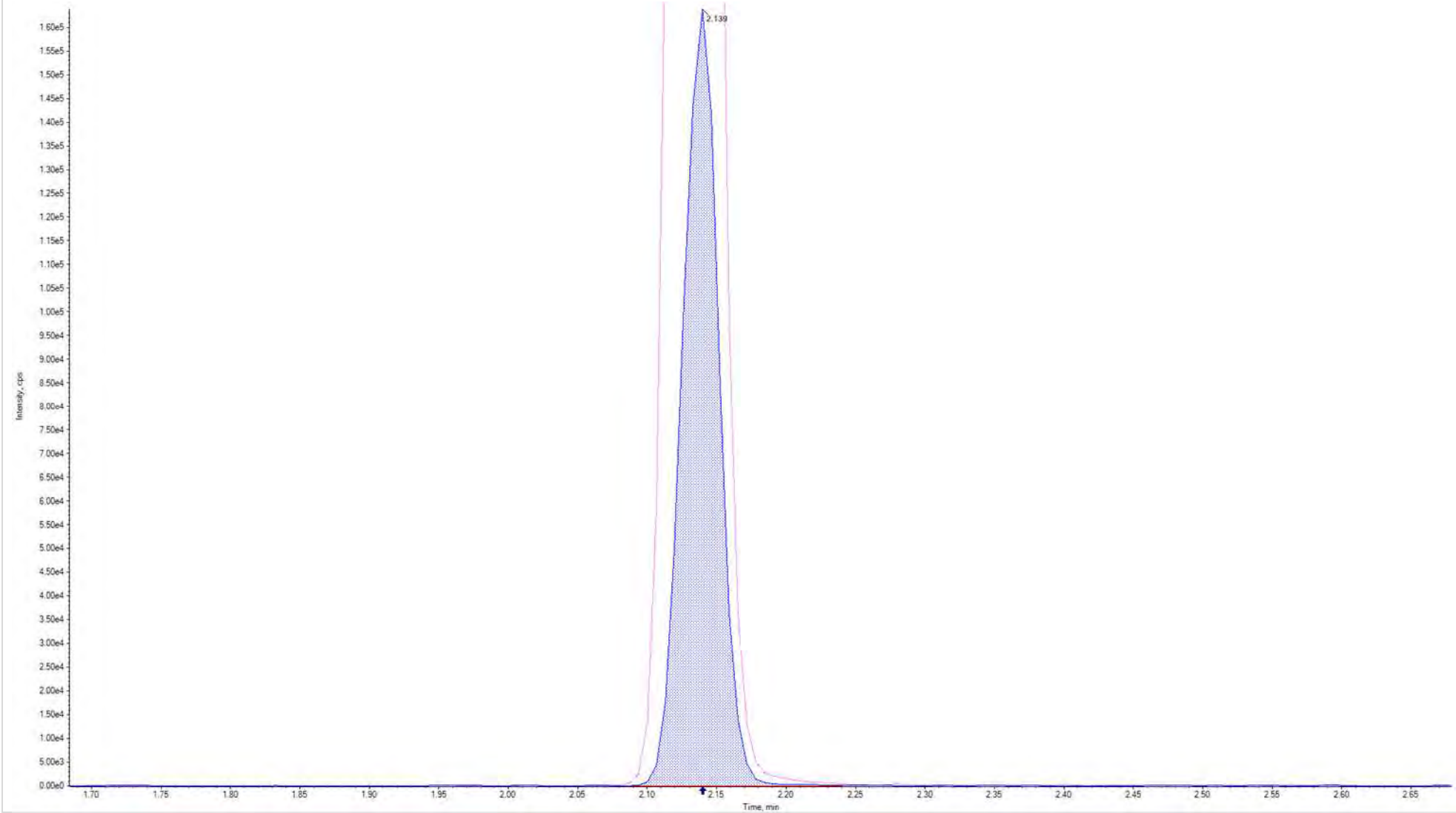
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSE
Sample: IA1633STD-.5 S/N:430.3 Points Across peak:63



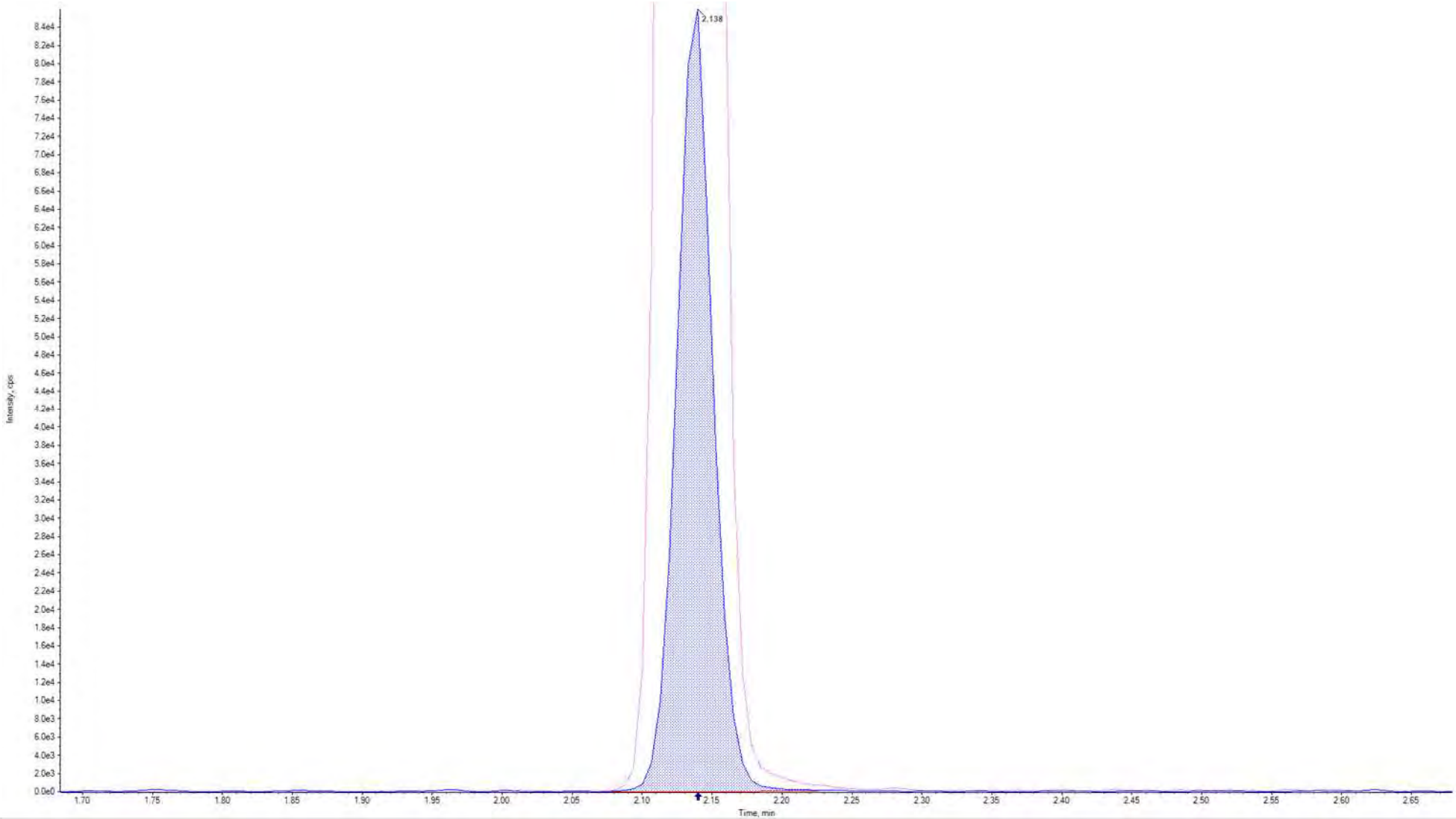
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

HFPO-DA
Sample: IA1633STD-.5 S/N:3695.6 Points Across peak:26



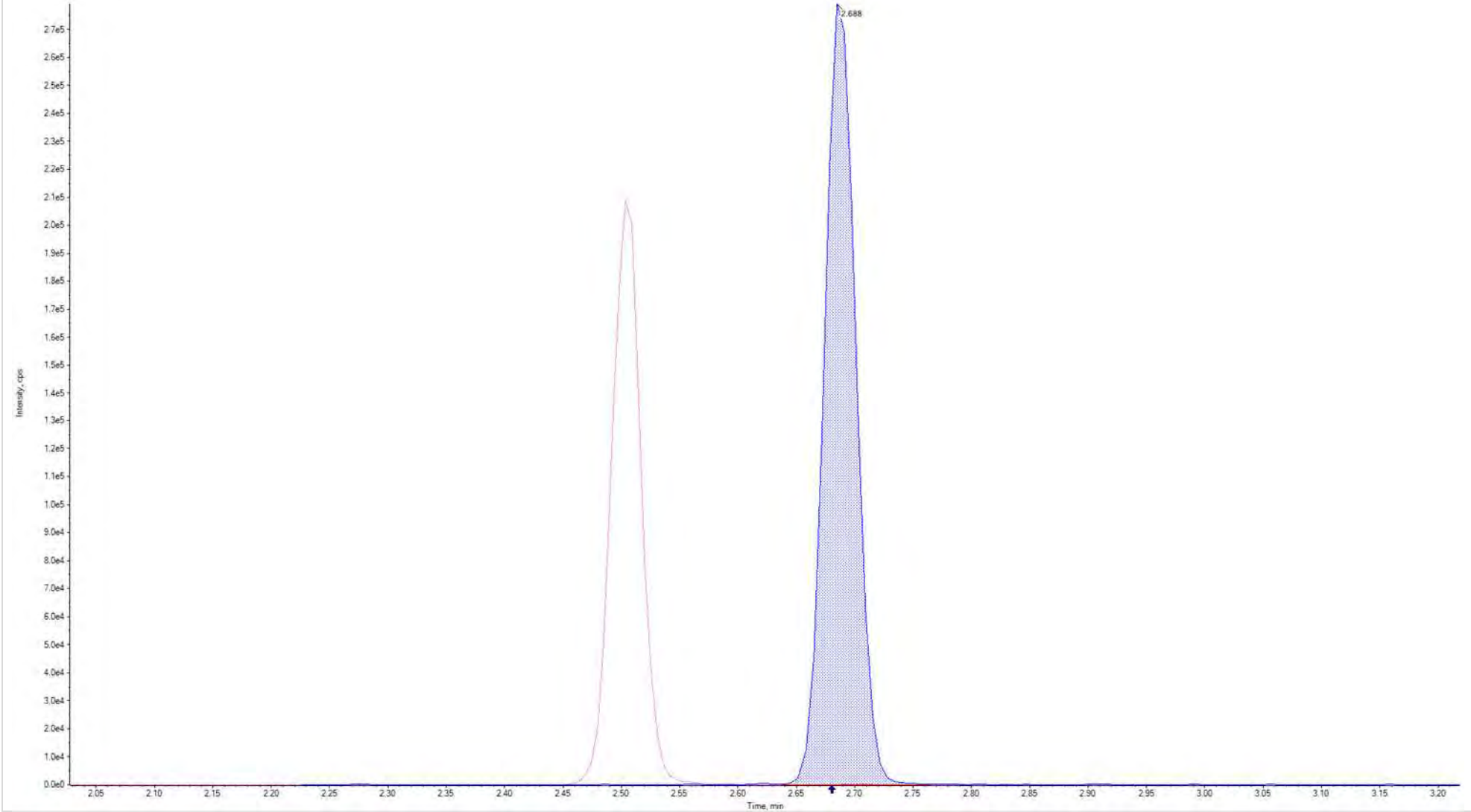
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

HFPO-DA_2
Sample: IA1633STD-.5 S/N:1939.1 Points Across peak:25



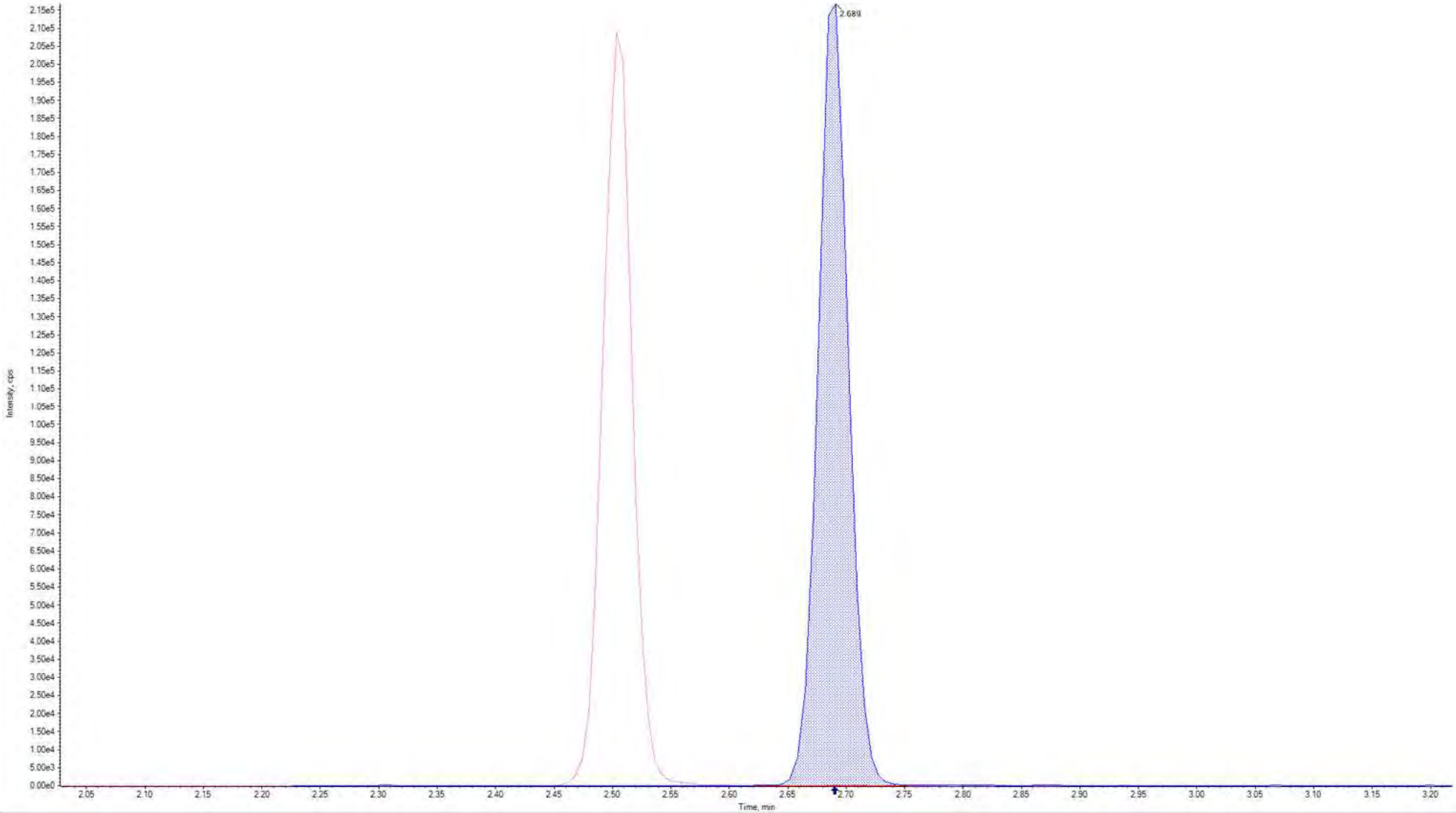
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

ADONA
Sample: IA1633STD-.5 S/N:5596.8 Points Across peak:21



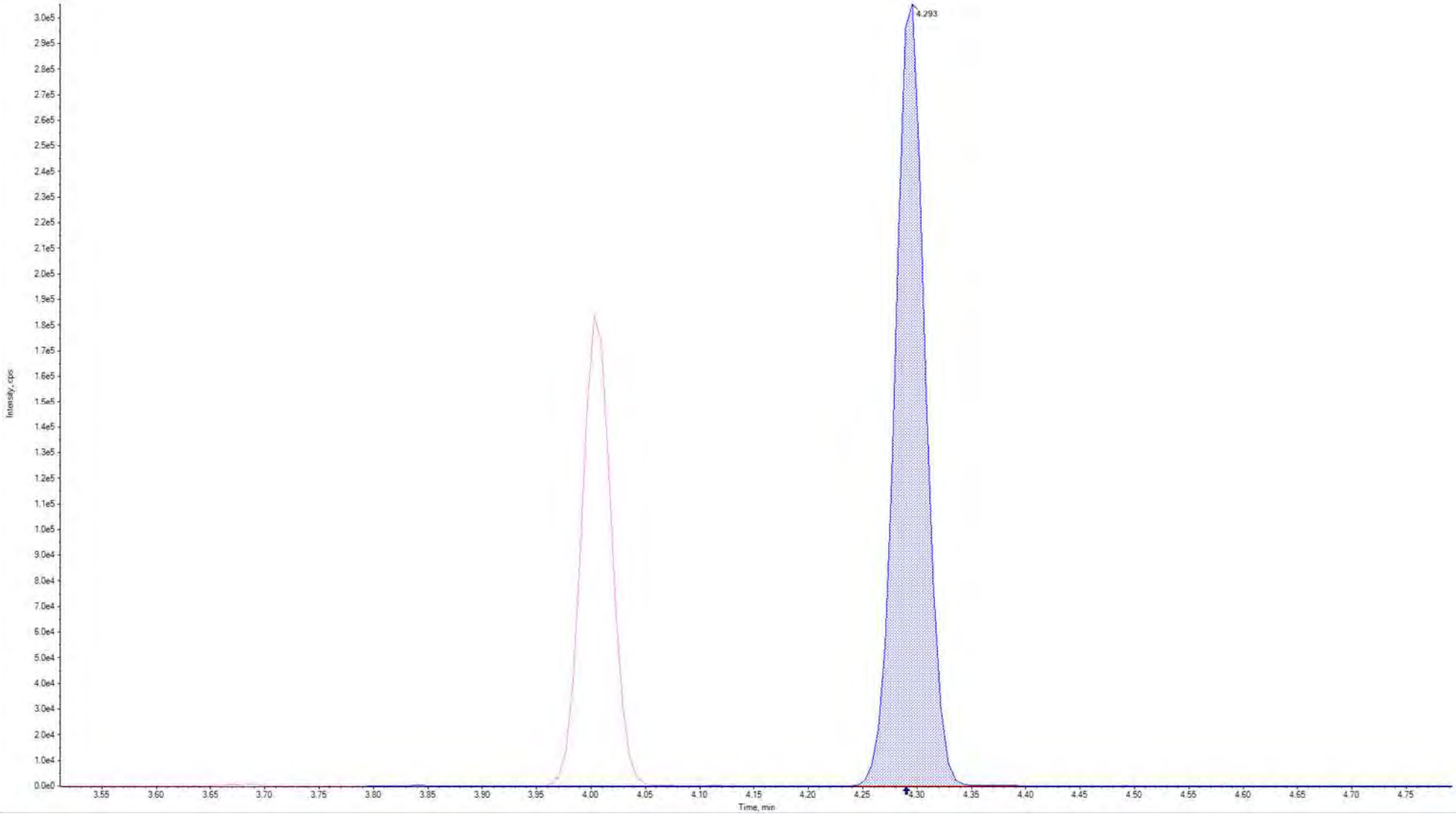
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

ADONA_2
Sample: IA1633STD-.5 S/N:3206.1 Points Across peak:23



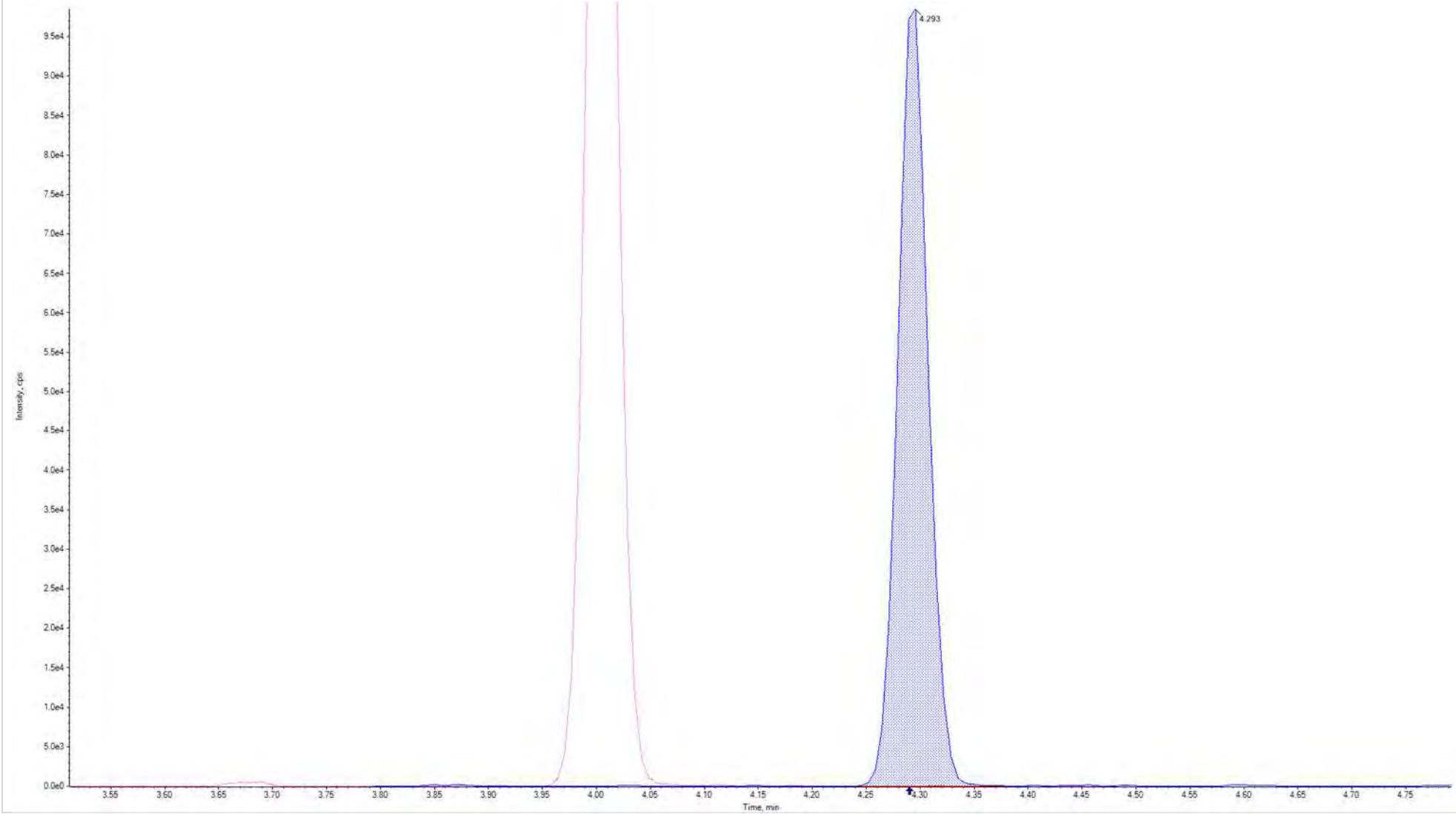
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

9Cl-PF3ONS
Sample: IA1633STD-.5 S/N:6890.2 Points Across peak:34



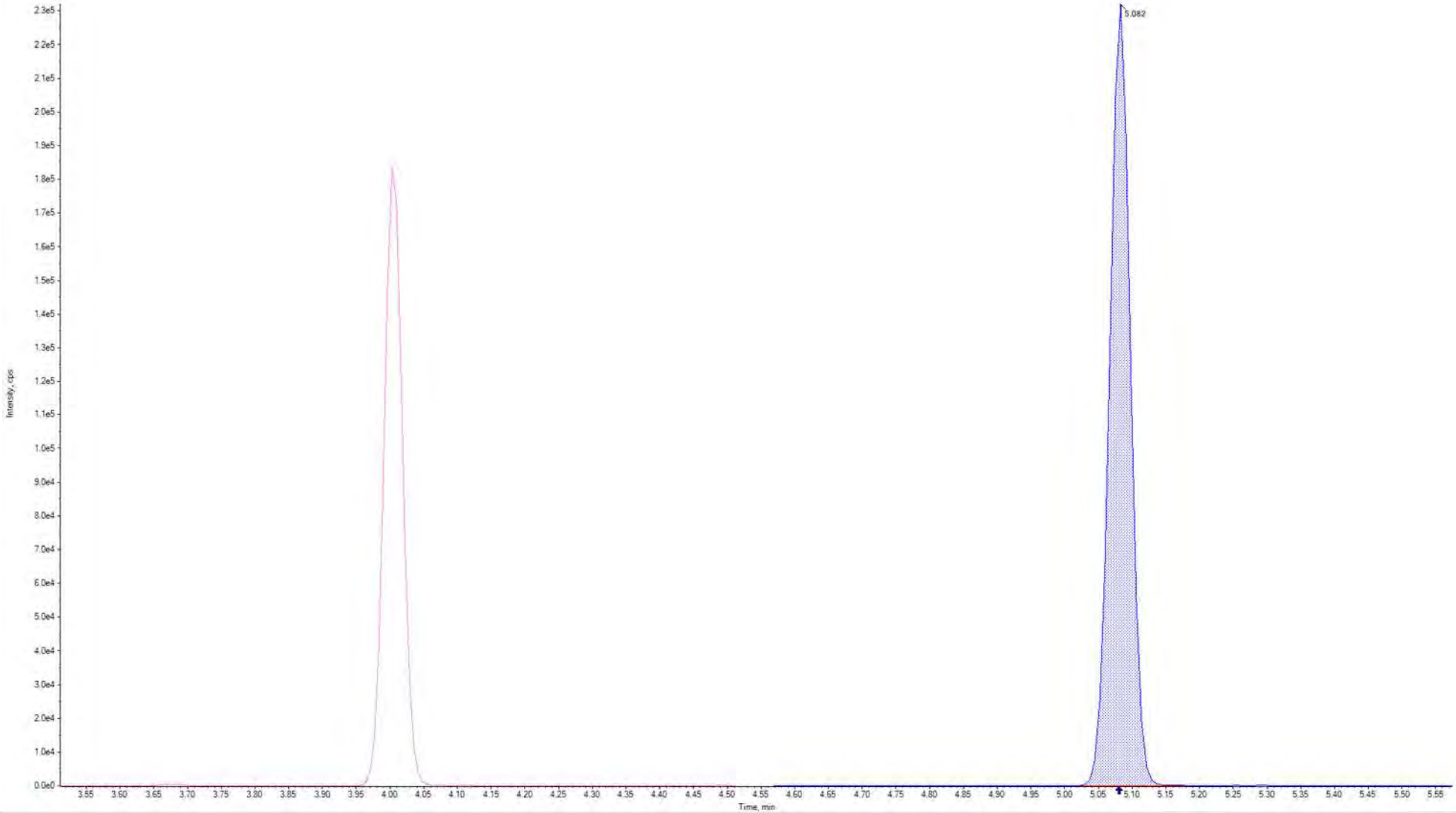
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

9Cl-PF3ONS_2
Sample: IA1633STD-.5 S/N:2221.5 Points Across peak:26



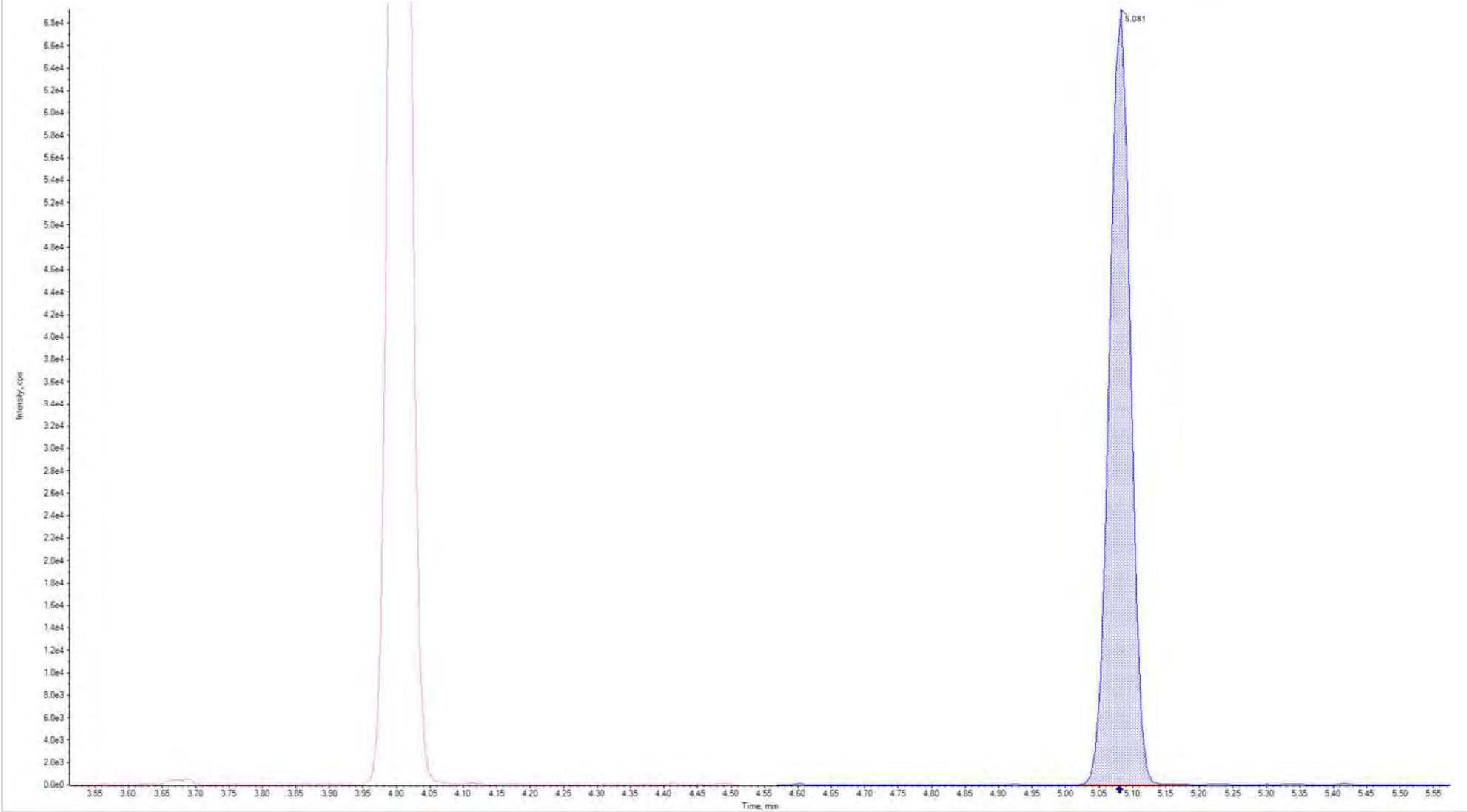
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

11Cl-PF3OUdS
Sample: IA1633STD-.5 S/N:3649.1 Points Across peak:27



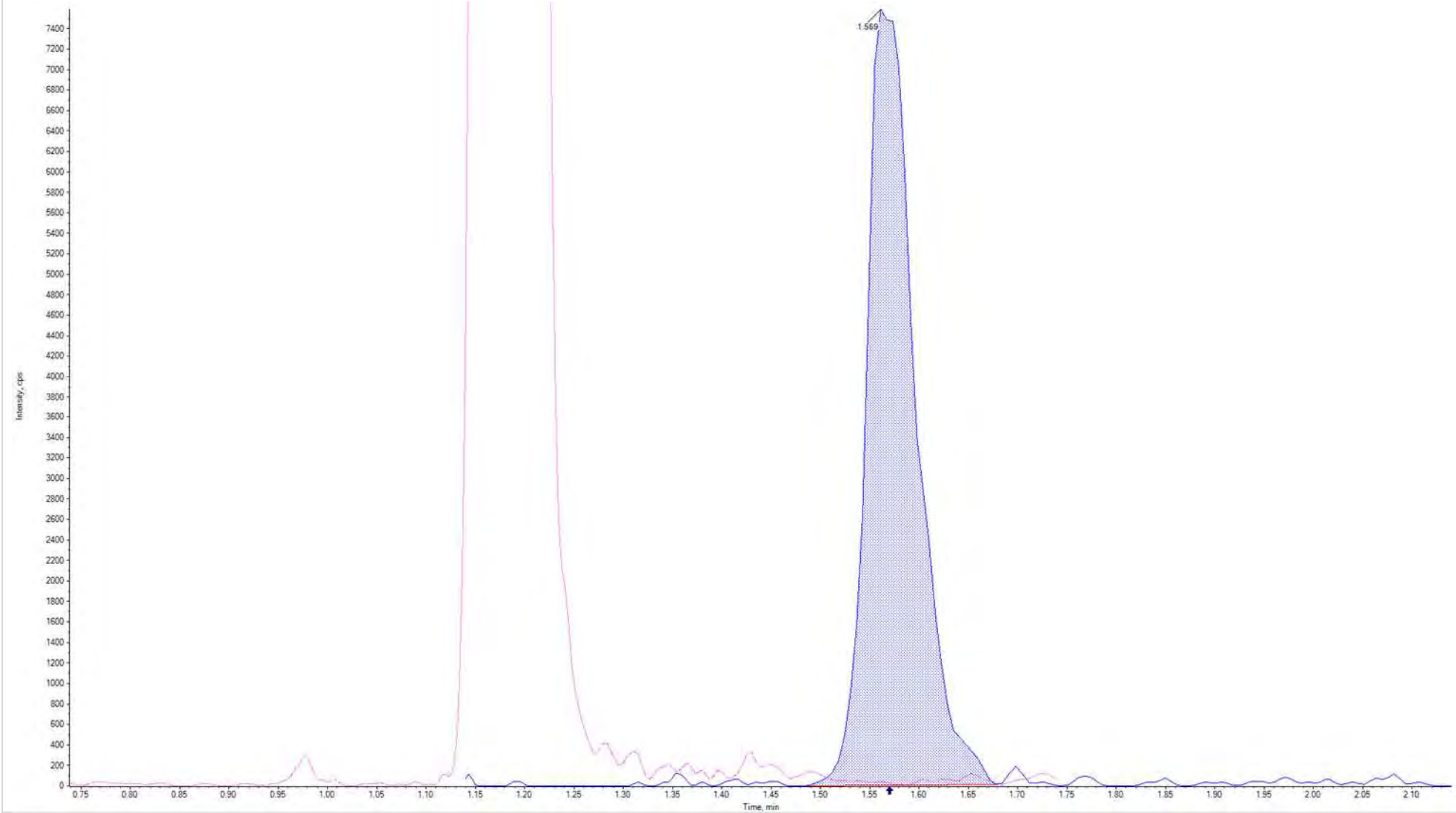
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-.5 S/N:3051.8 Points Across peak:26



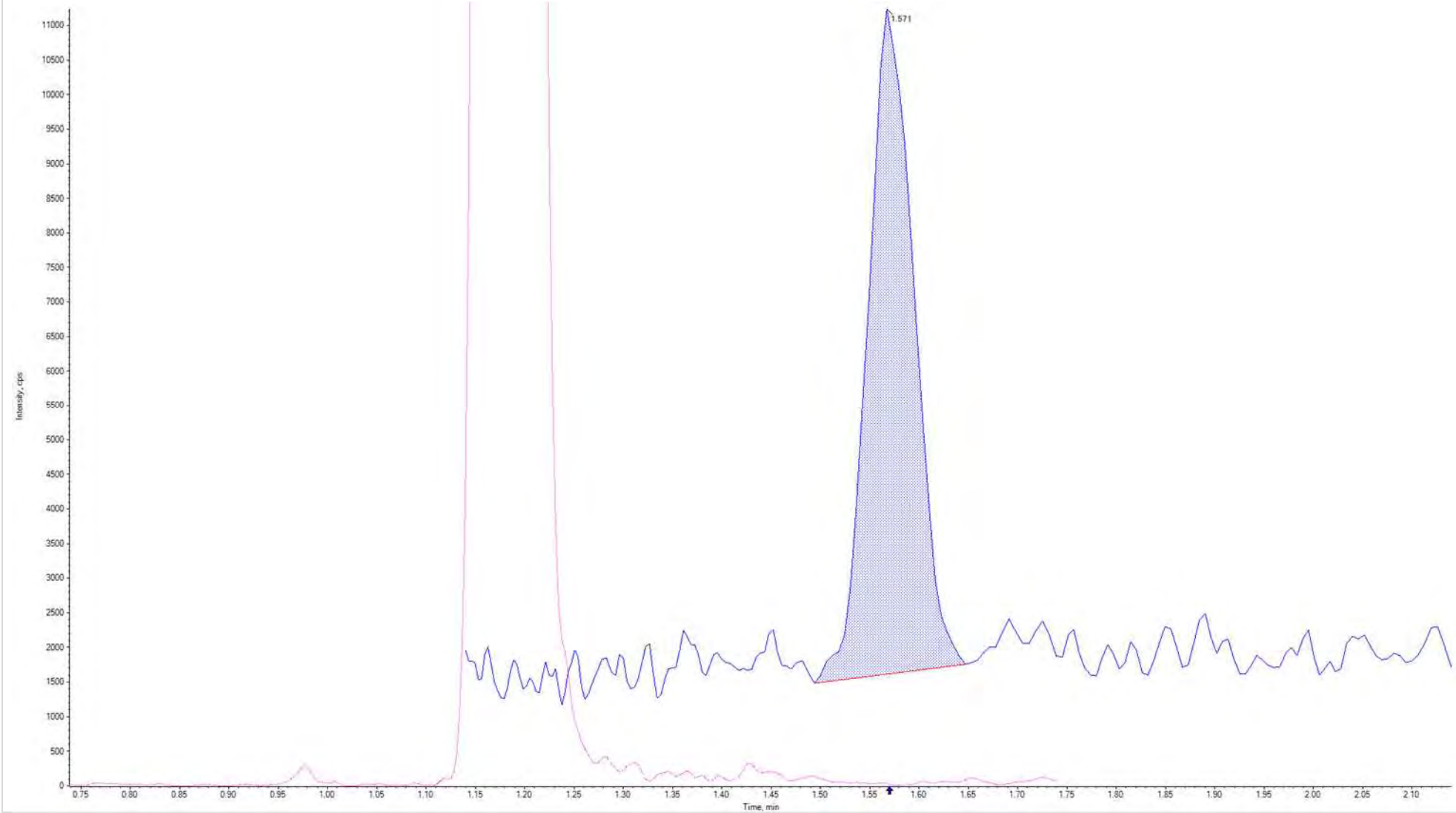
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

3:3FTCA
Sample: IA1633STD-.5 S/N:190.1 Points Across peak:33



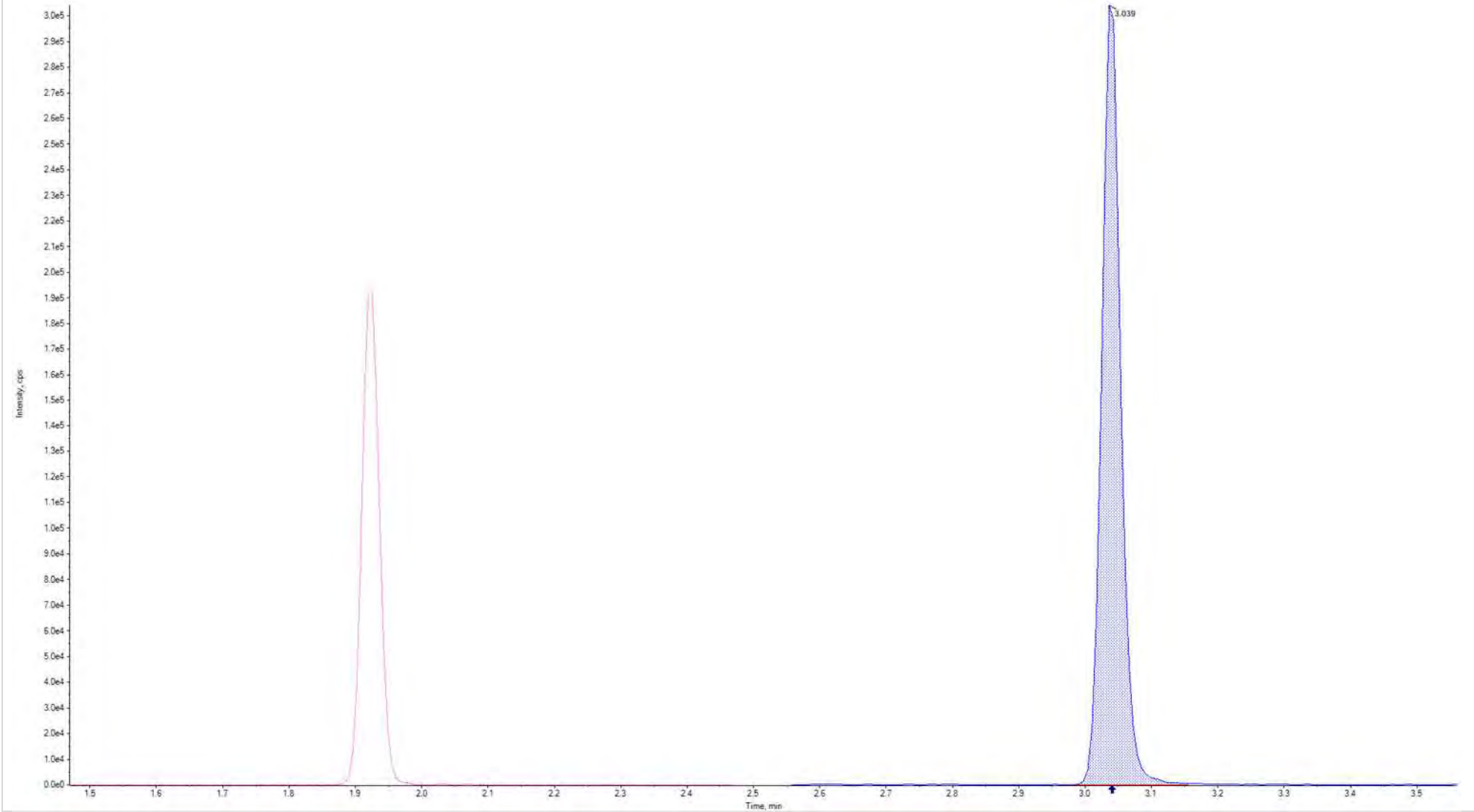
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

3:3FTCA_2
Sample: IA1633STD-.5 S/N:77.9 Points Across peak:26



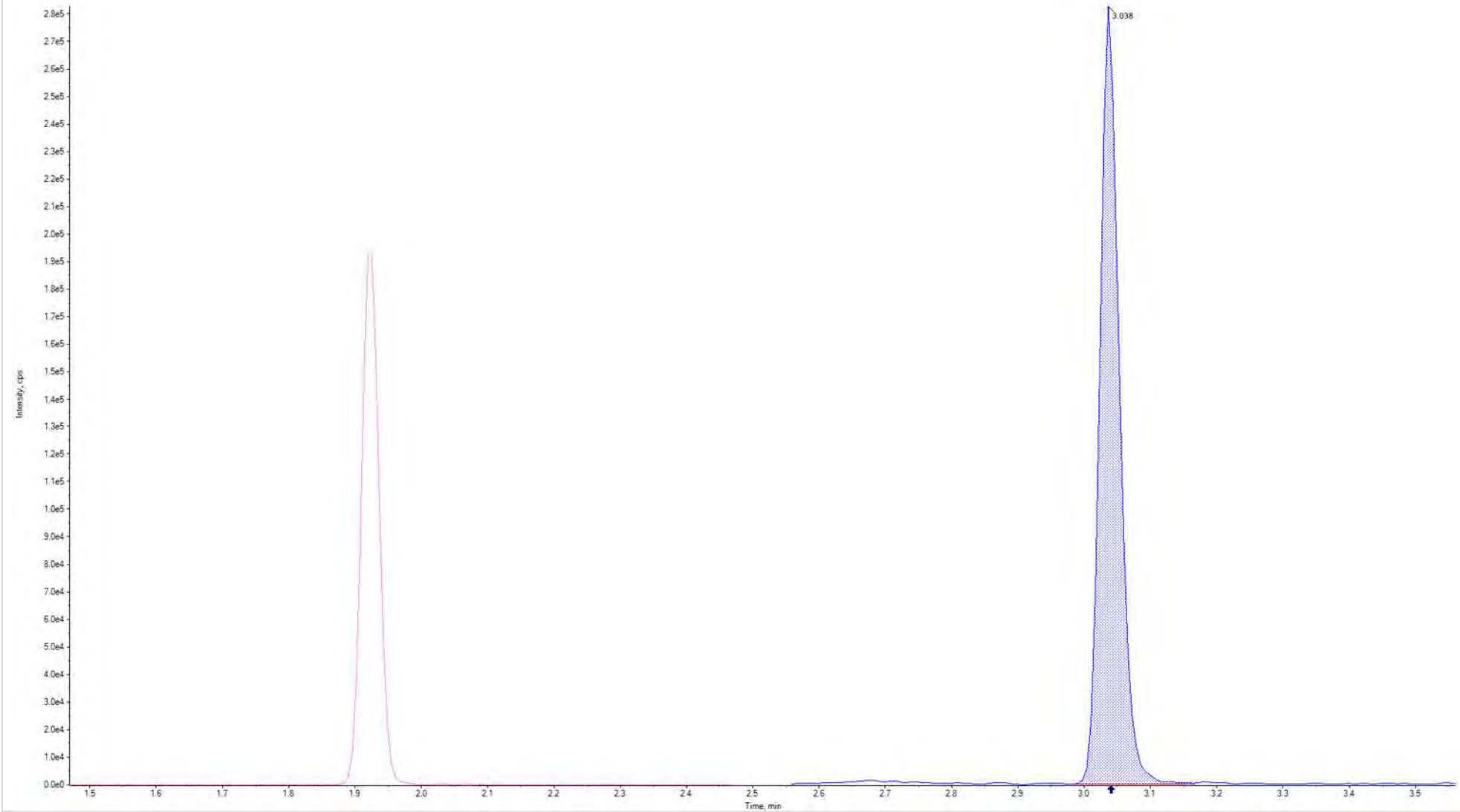
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

5:3FTCA
Sample: IA1633STD-.5 S/N:6859.9 Points Across peak:30



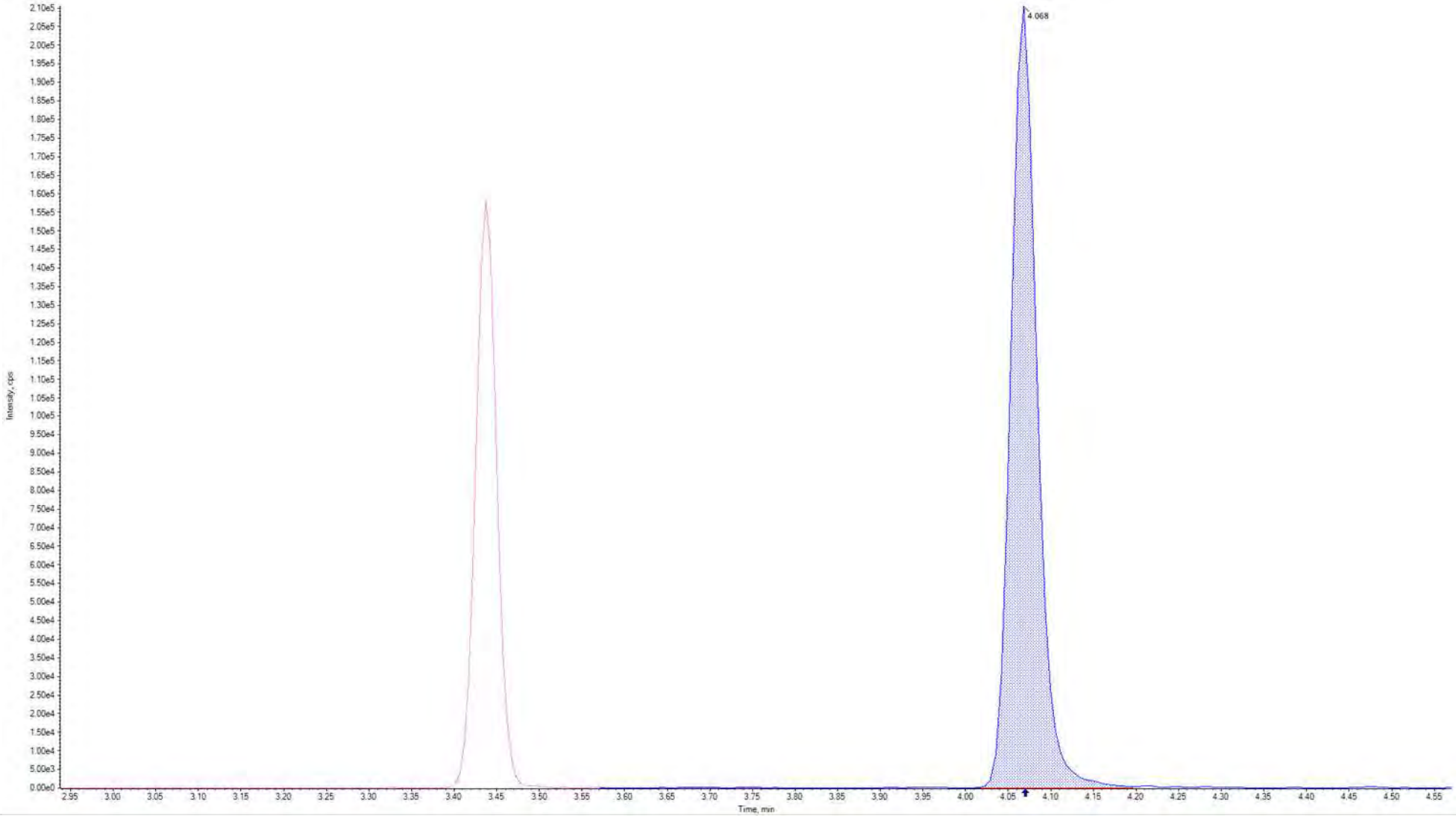
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

5:3FTCA_2
Sample: IA1633STD-.5 S/N:2438.2 Points Across peak:32



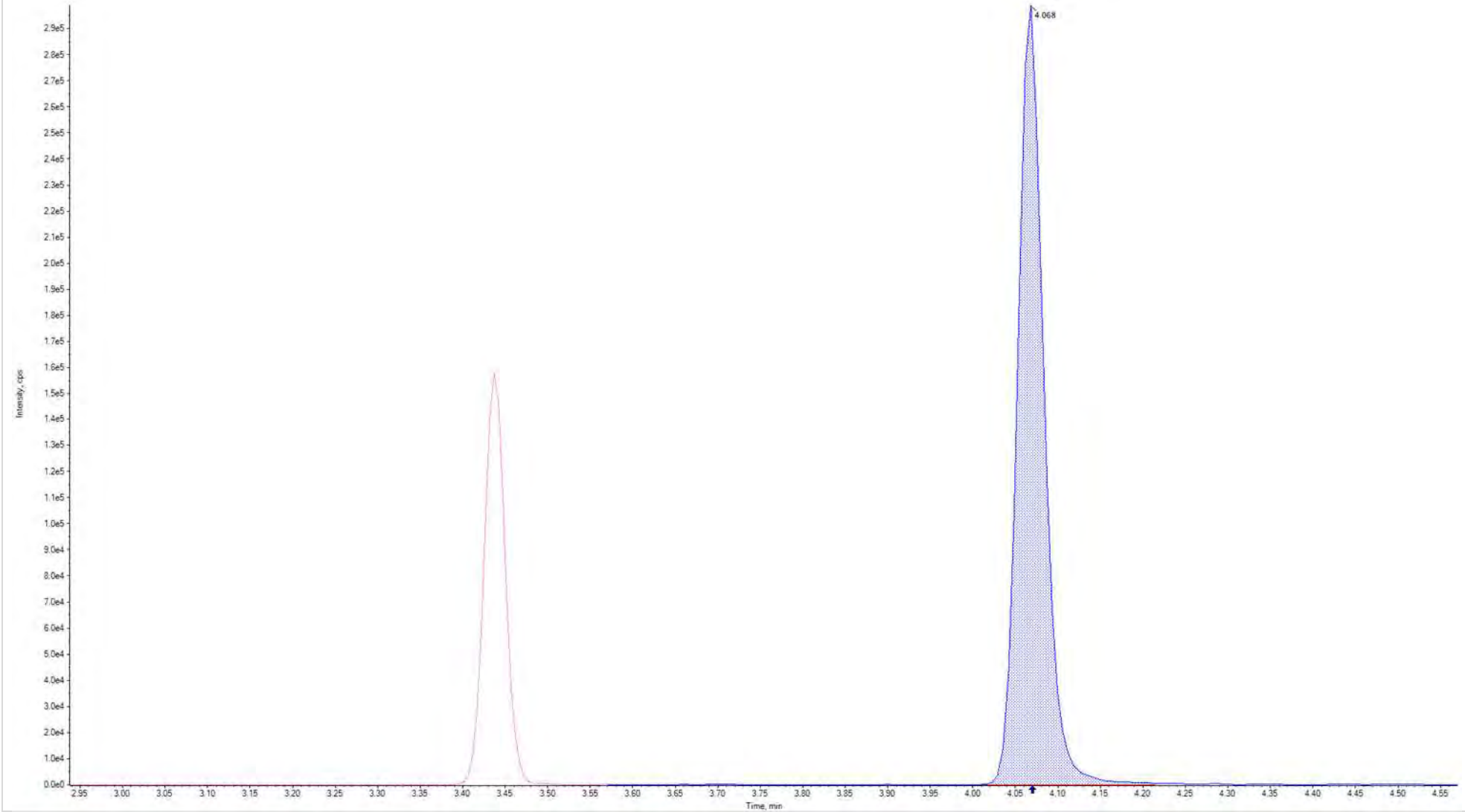
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

7:3FTCA
Sample: IA1633STD-.5 S/N:5803.0 Points Across peak:33



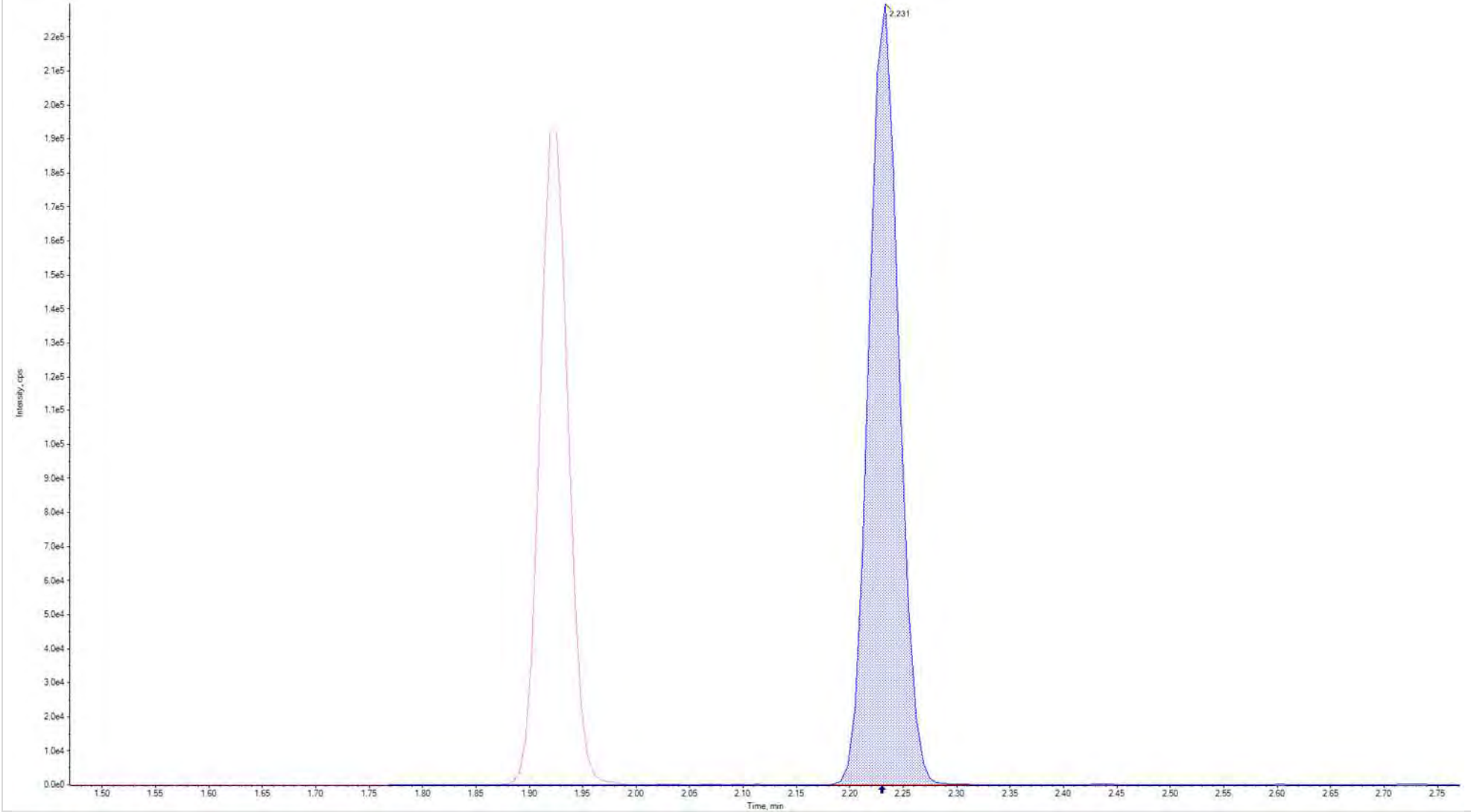
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

7:3FTCA_2
Sample: IA1633STD-.5 S/N:8239.6 Points Across peak:36



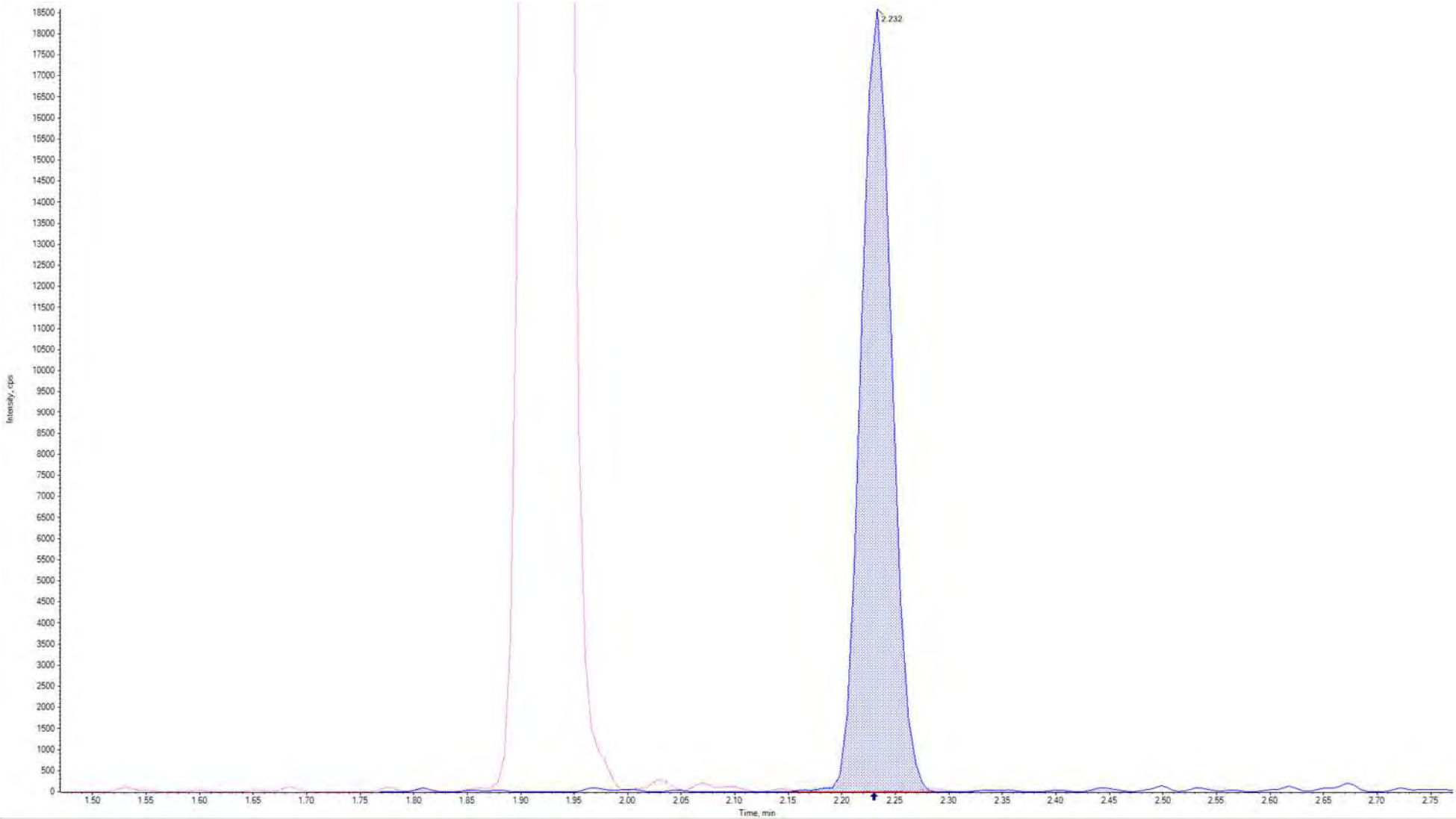
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFEESA
Sample: IA1633STD-.5 S/N:5181.6 Points Across peak:27



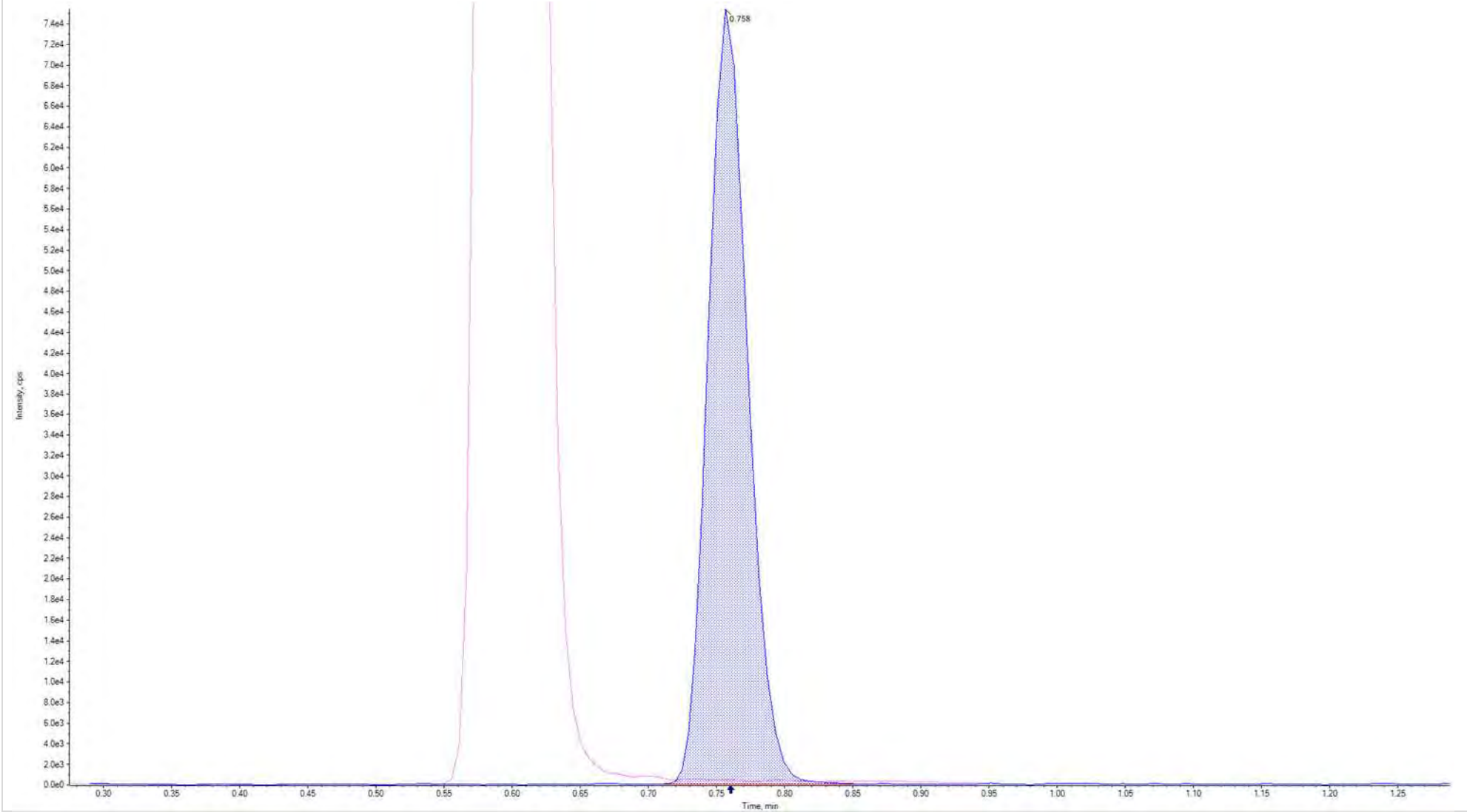
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFEESA_2
Sample: IA1633STD-.5 S/N:419.2 Points Across peak:28



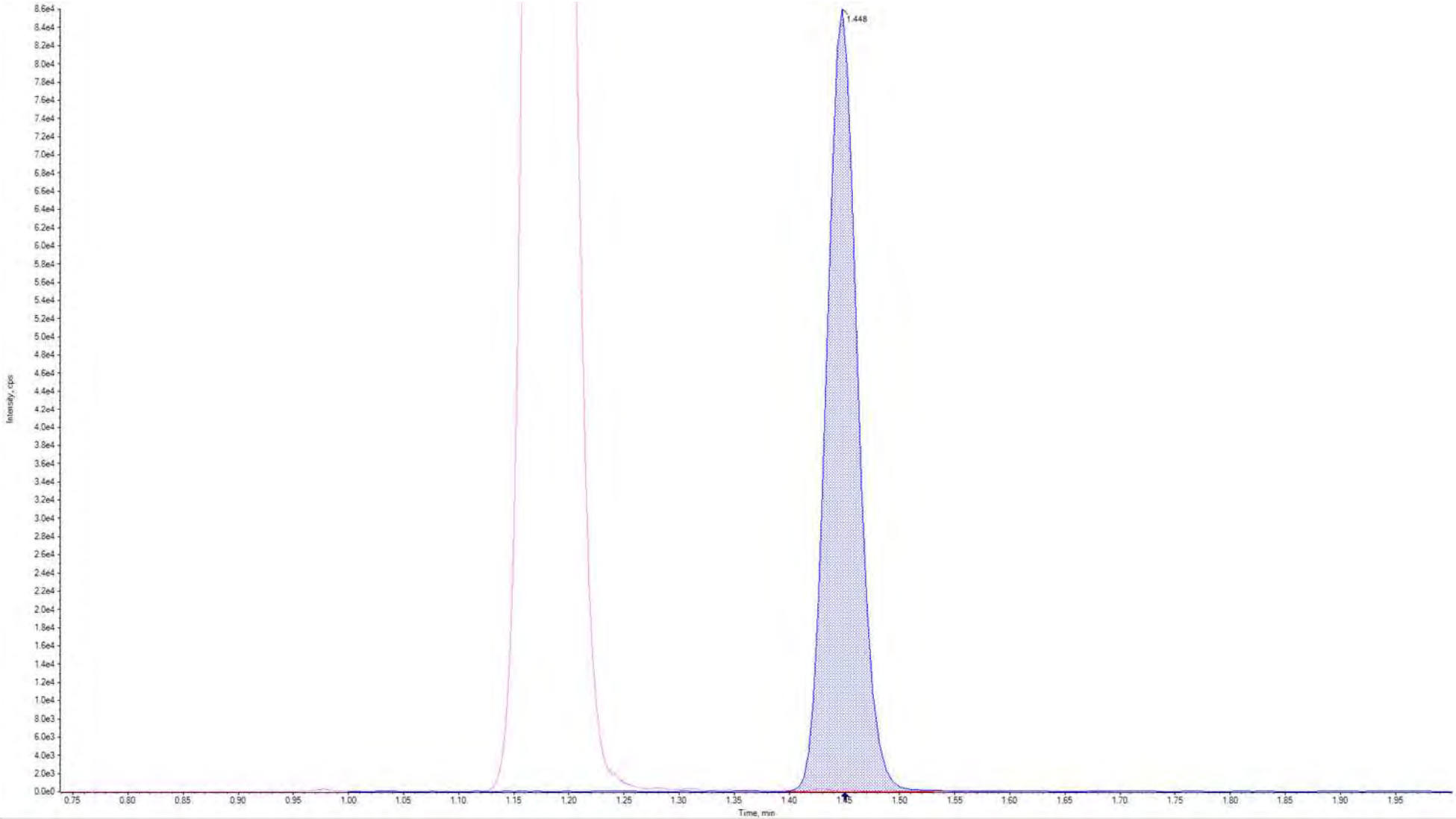
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFMPA
Sample: IA1633STD-.5 S/N:3764.9 Points Across peak:30



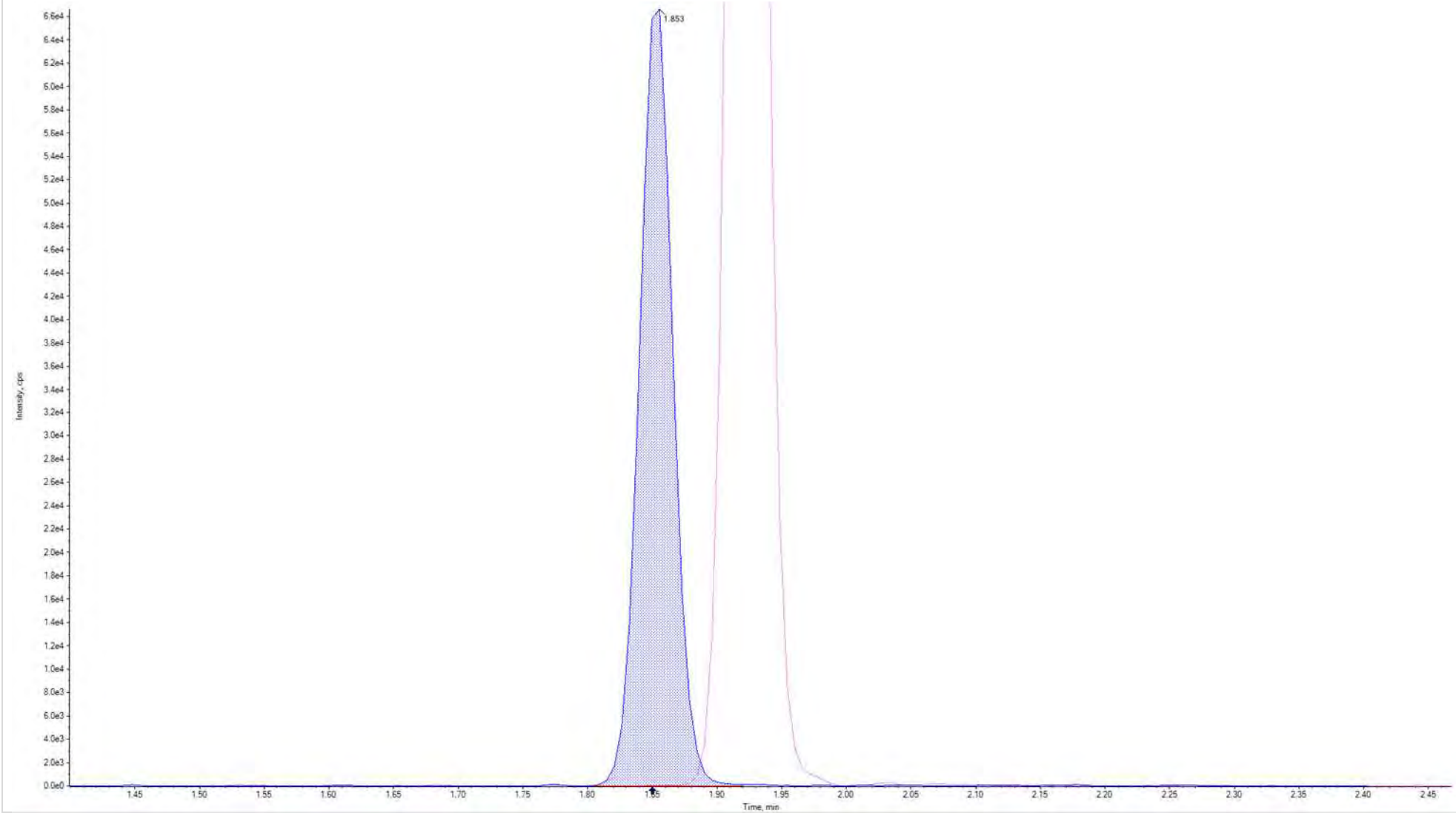
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFMBA
Sample: IA1633STD-.5 S/N:4957.2 Points Across peak:32



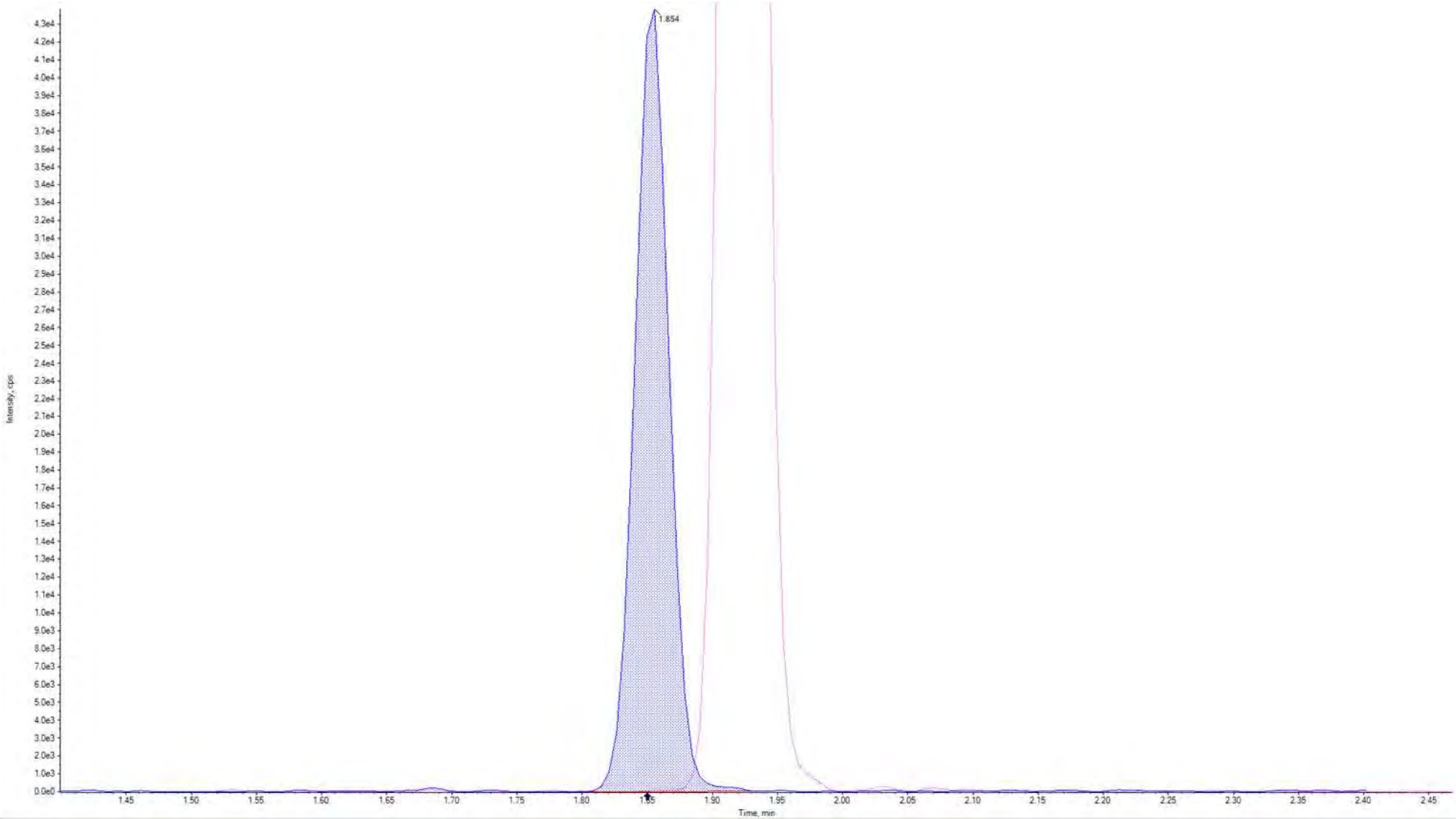
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NFDHA
Sample: IA1633STD-.5 S/N:1837.1 Points Across peak:22



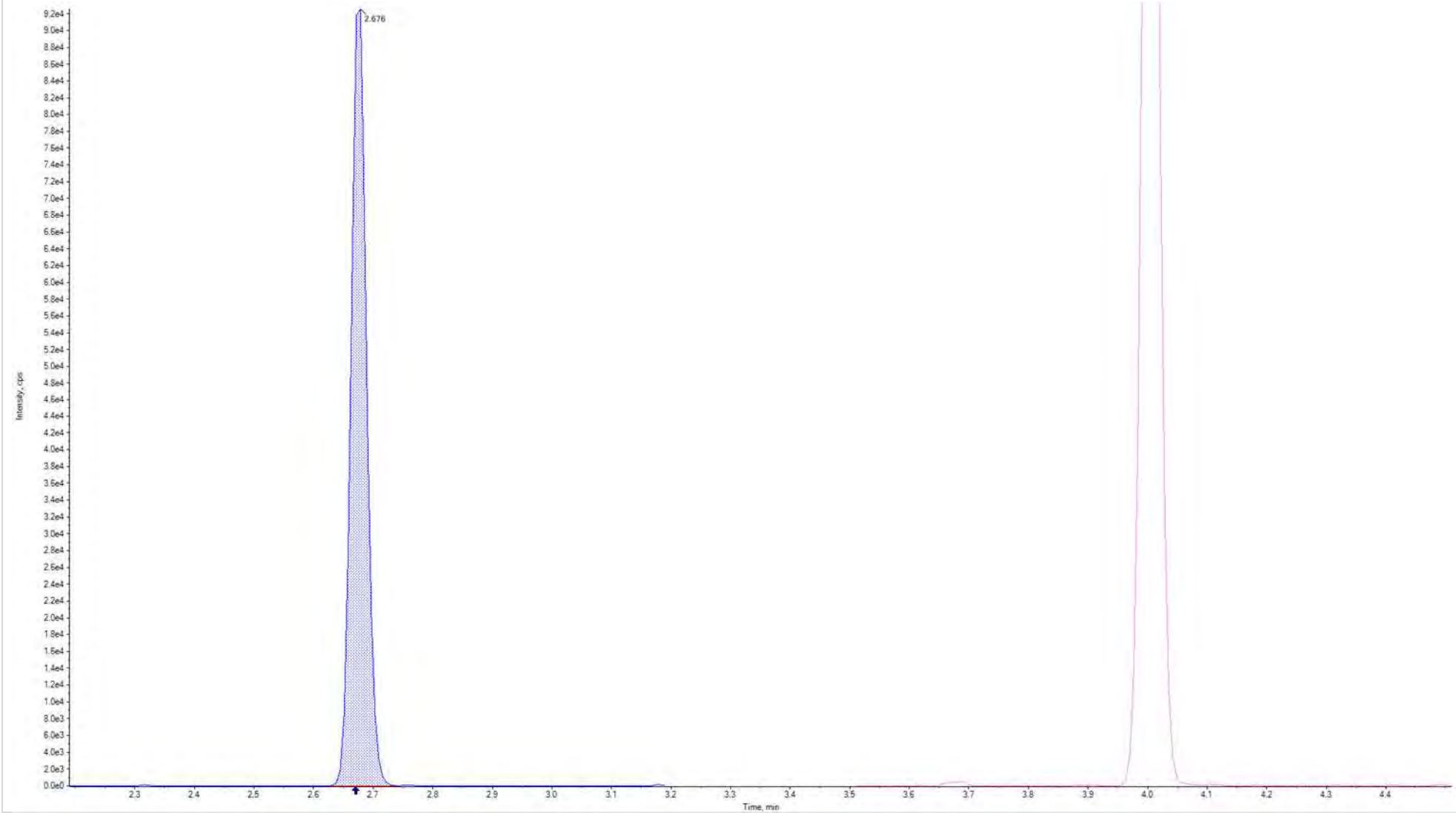
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NFDHA_2
Sample: IA1633STD-.5 S/N:1208.3 Points Across peak:25



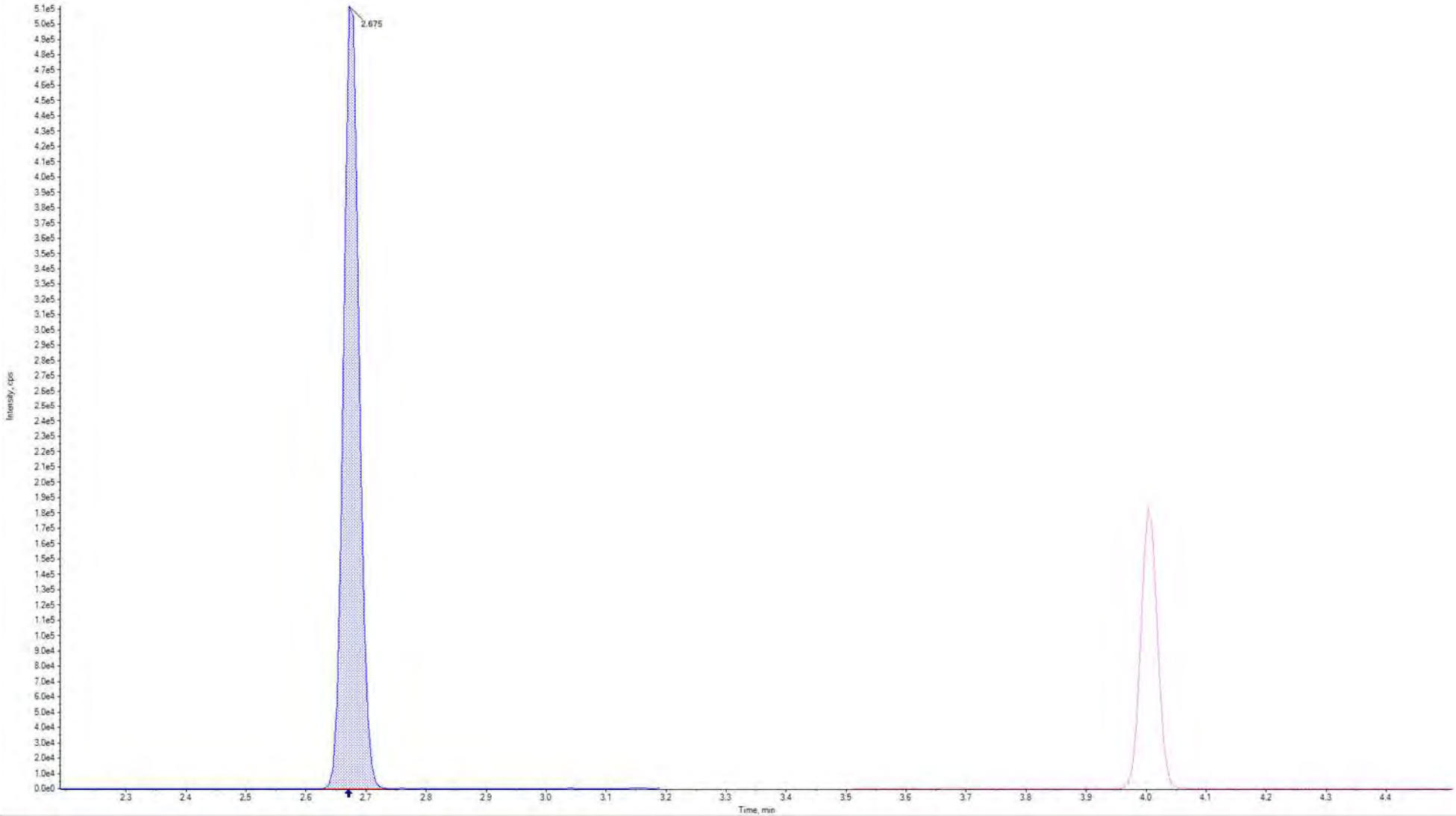
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

TDCA
Sample: IA1633STD-.5 S/N:1856.0 Points Across peak:25



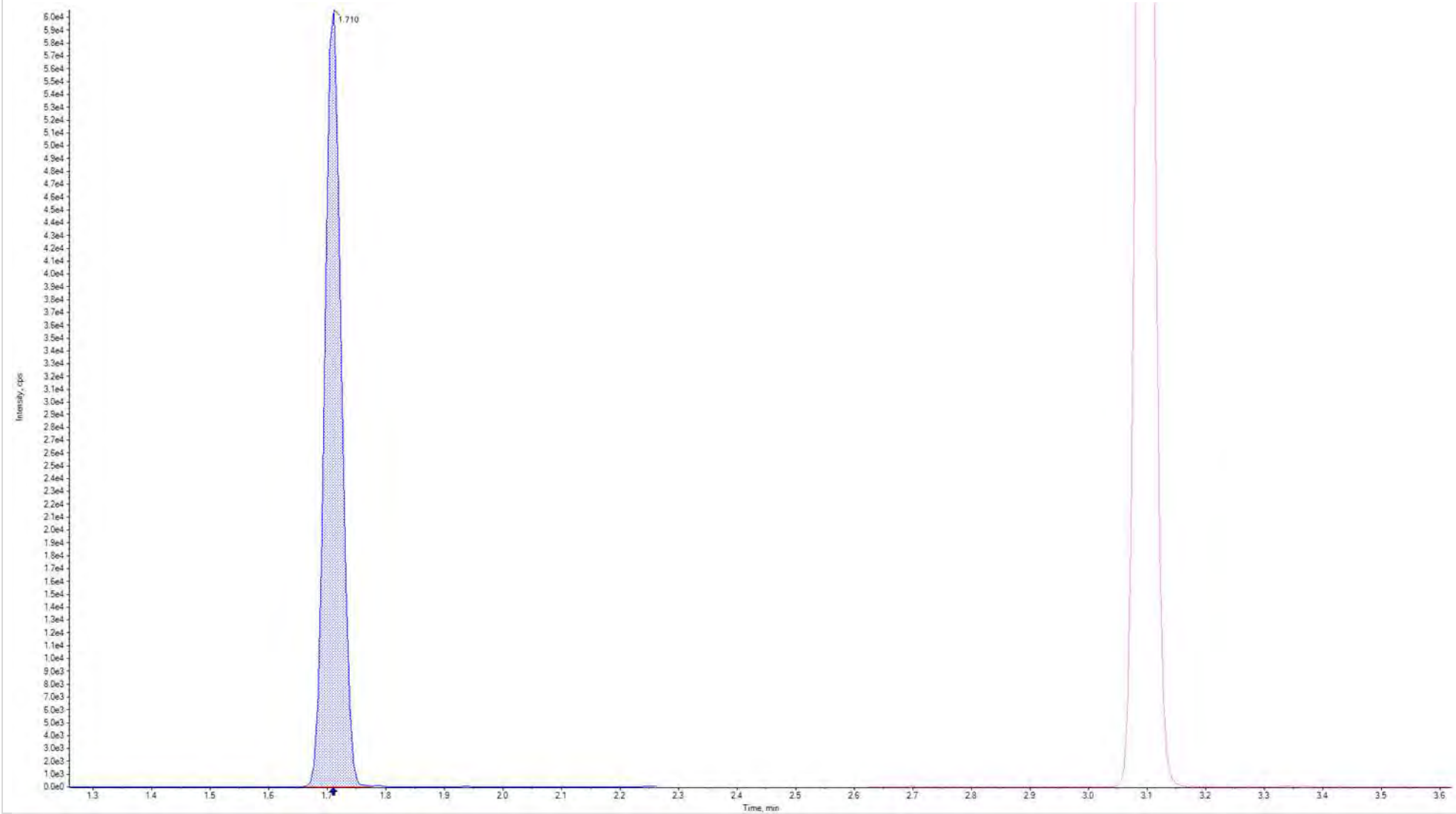
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

TDCA_2
Sample: IA1633STD-.5 S/N:5297.0 Points Across peak:20



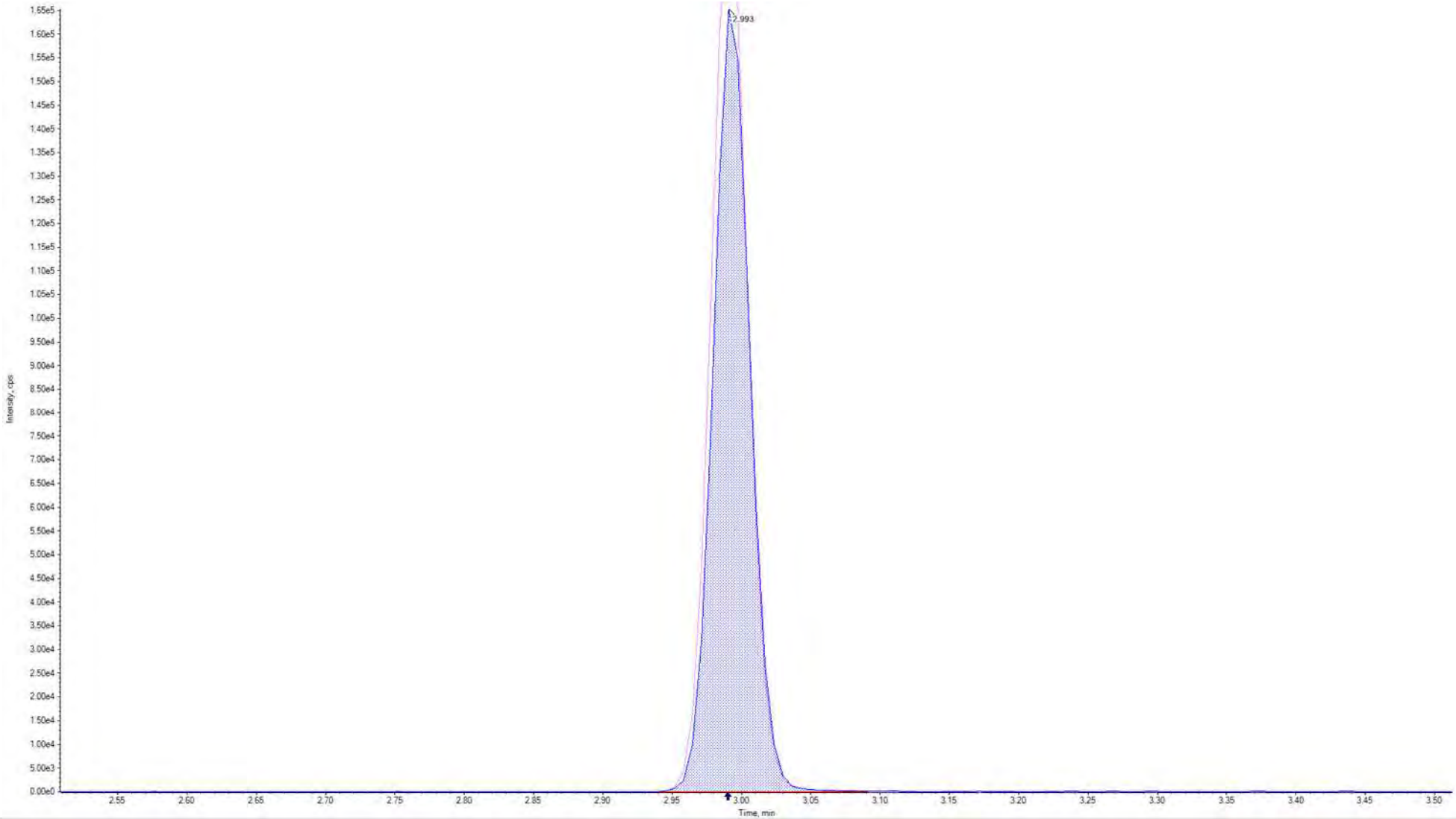
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

13C2D4-4:2FTS
Sample: IA1633STD-.5 S/N:2278.1 Points Across peak:26

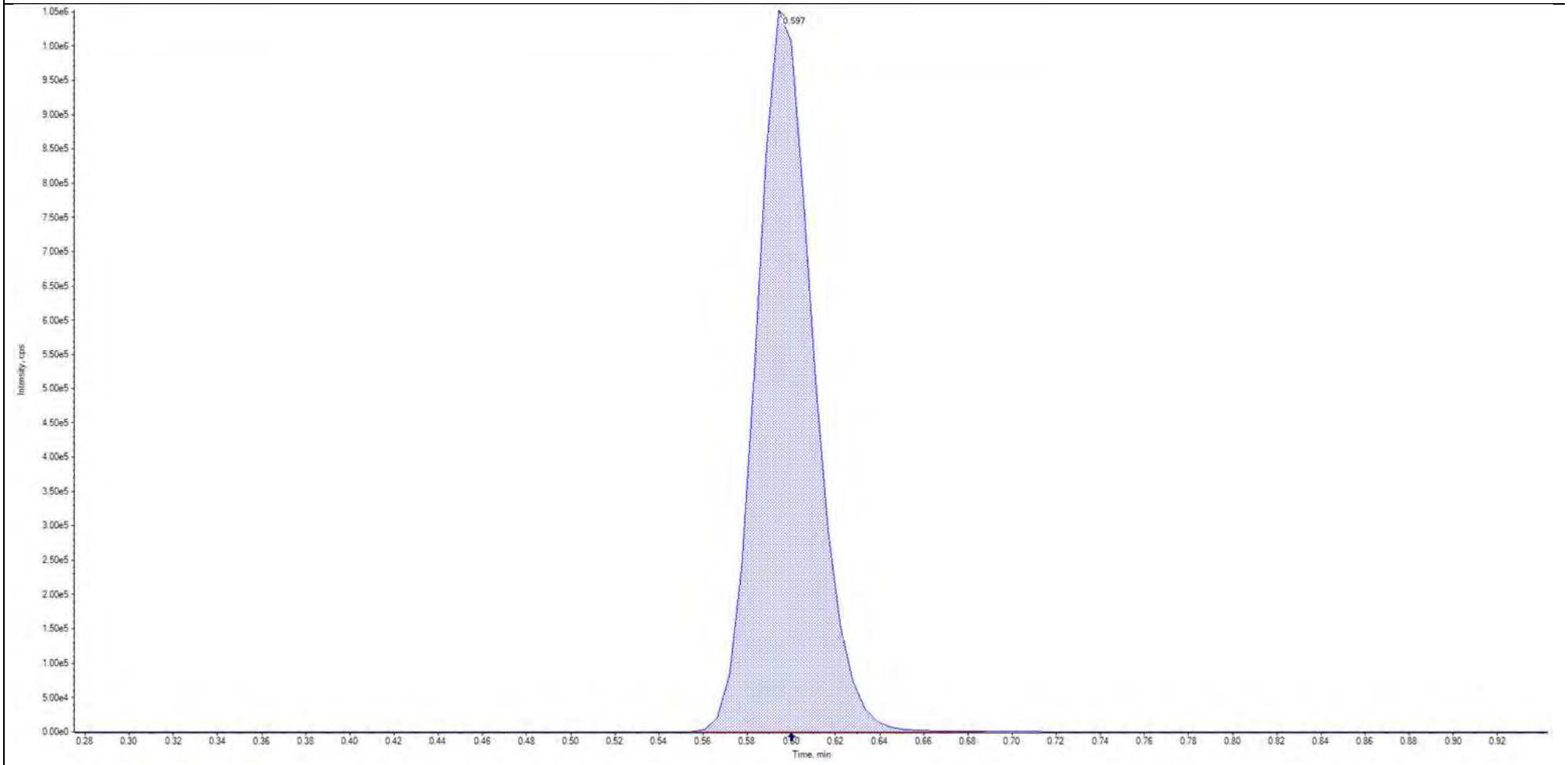


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

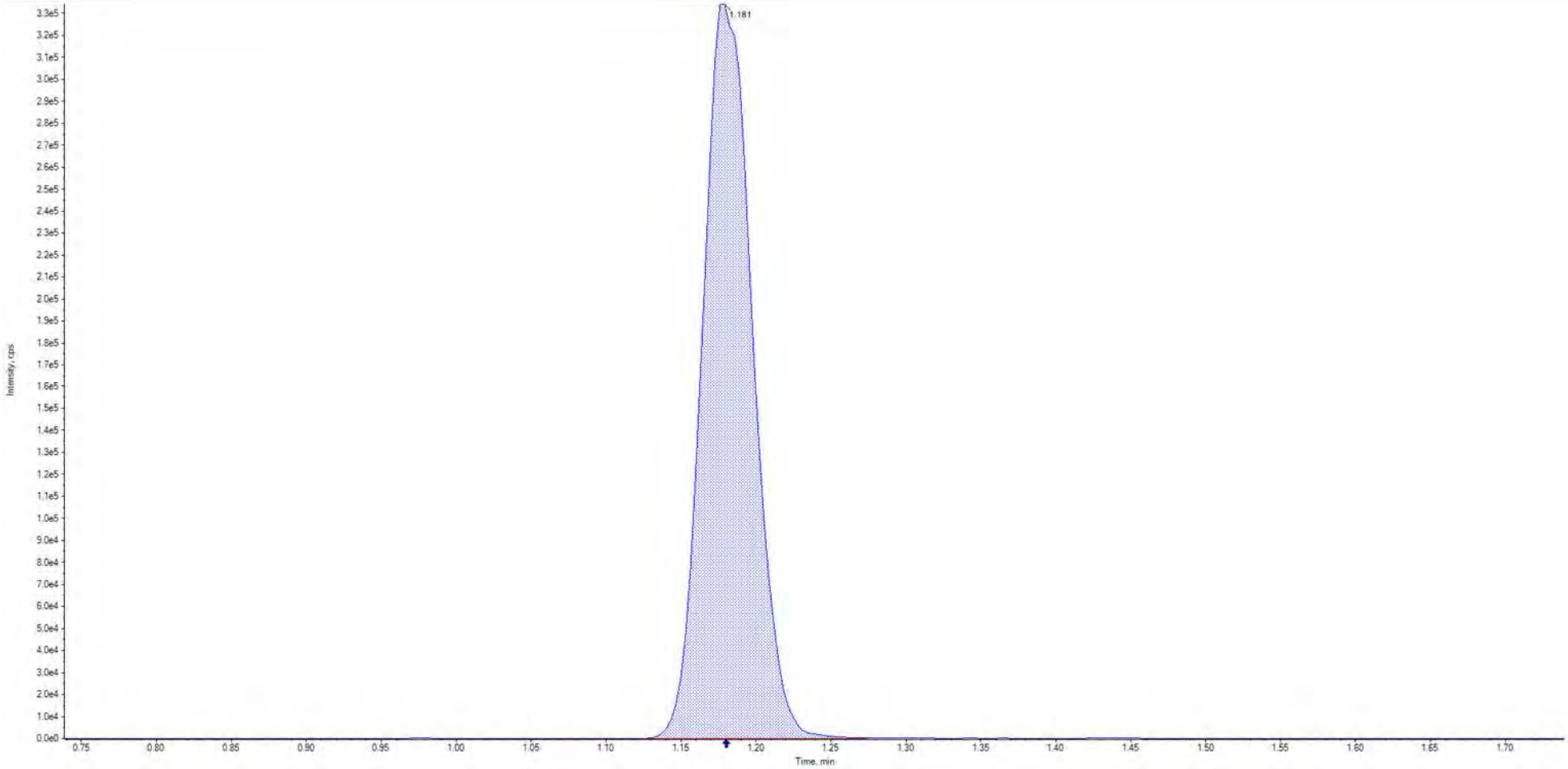
13C2-PFOA
Sample: IA1633STD-.5 S/N:3728.4 Points Across peak:27



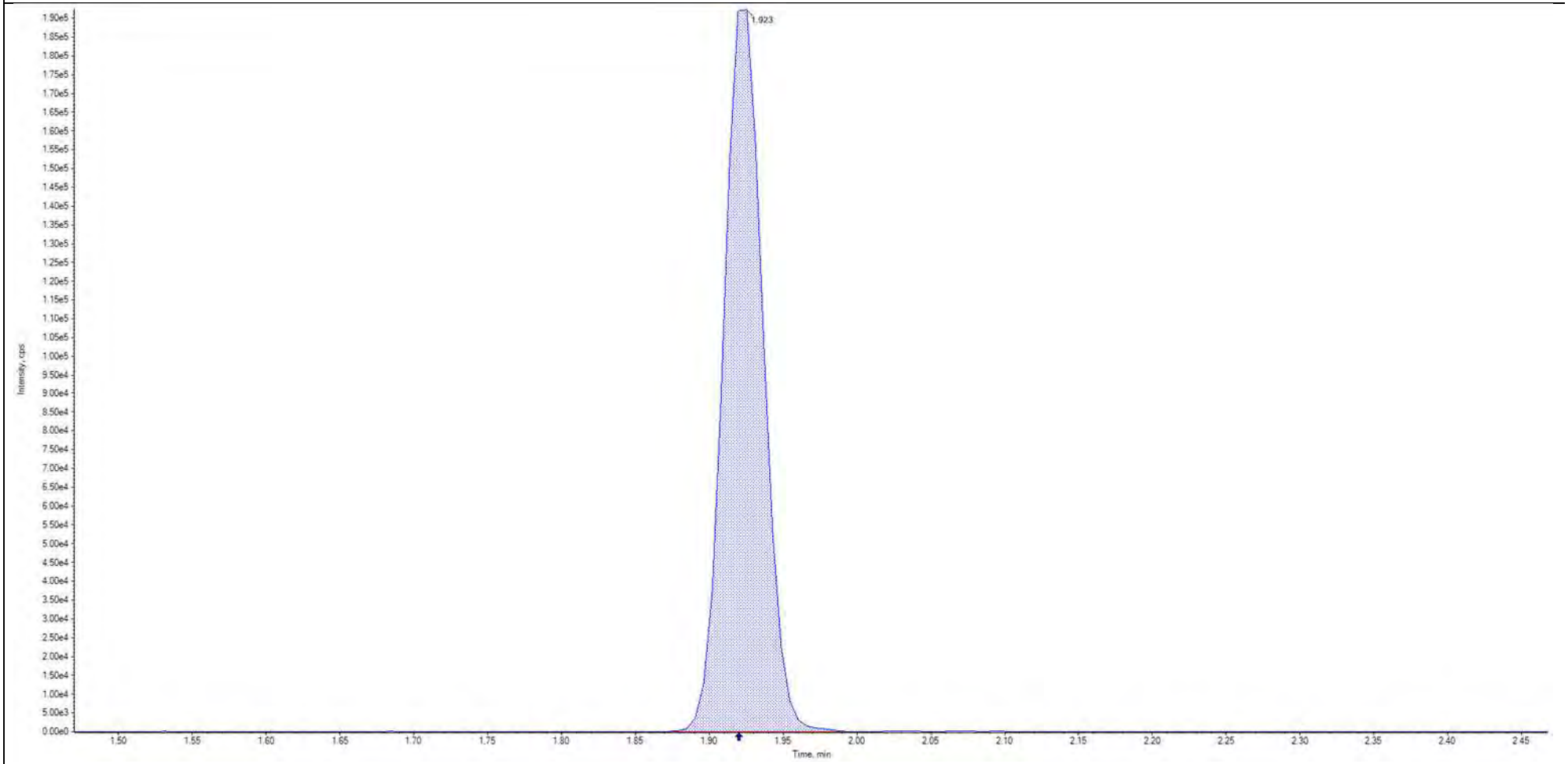
13C4-PFBA
Sample: IA1633STD-.5



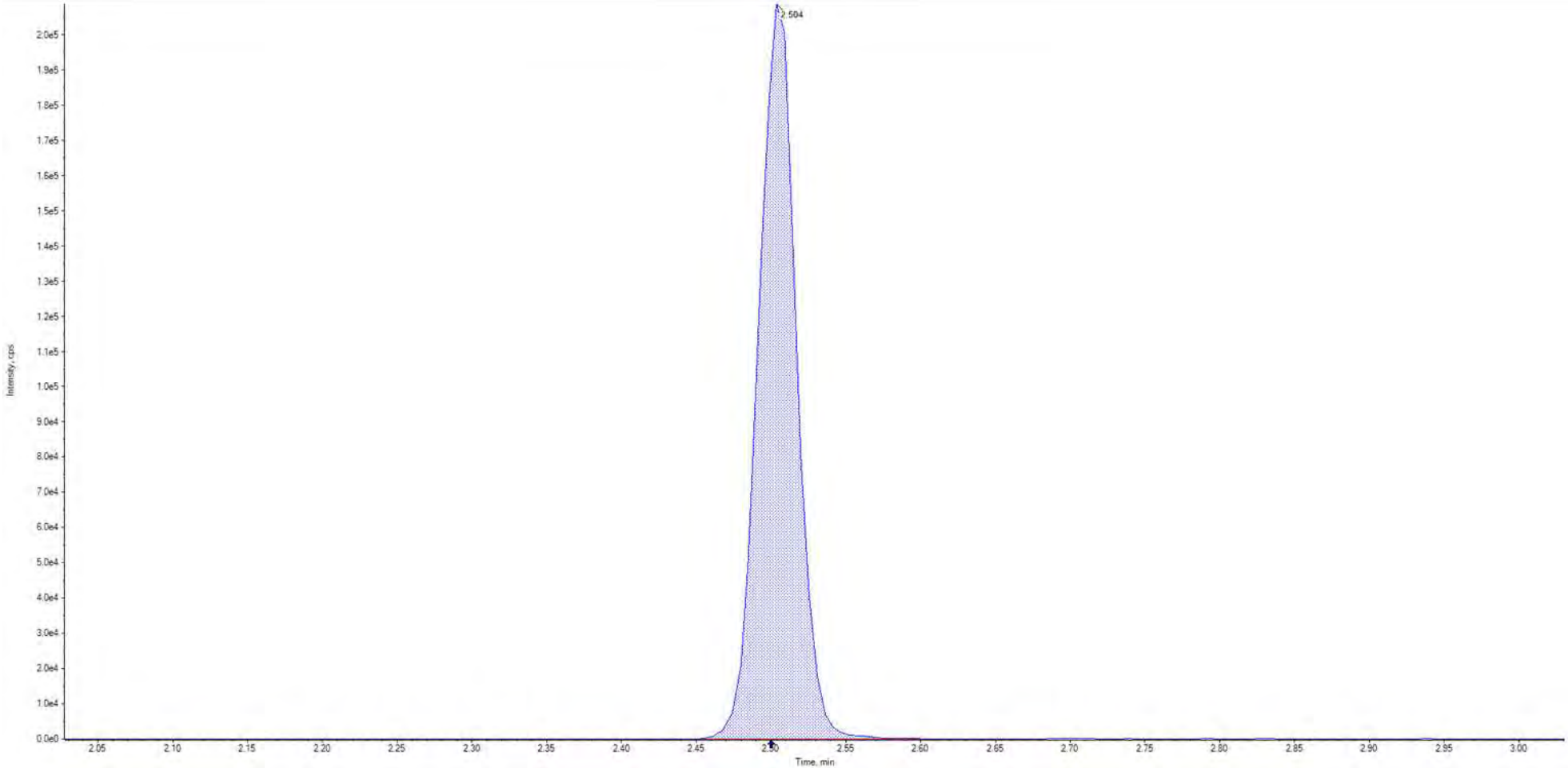
13C5-PFPeA
Sample: IA1633STD-.5



13C5-PFHxA
Sample: IA1633STD-.5

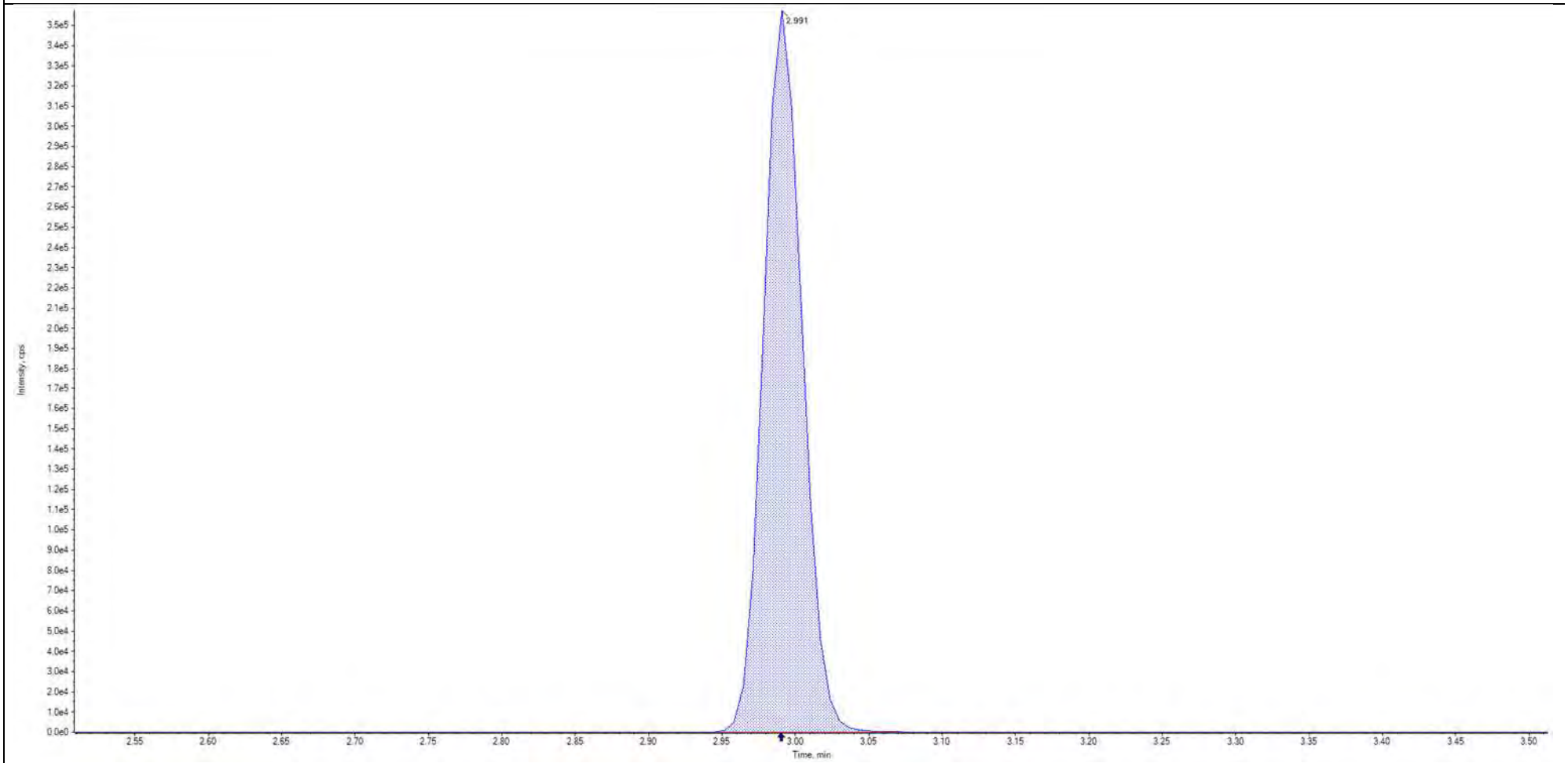


13C4-PFHpA
Sample: IA1633STD-.5

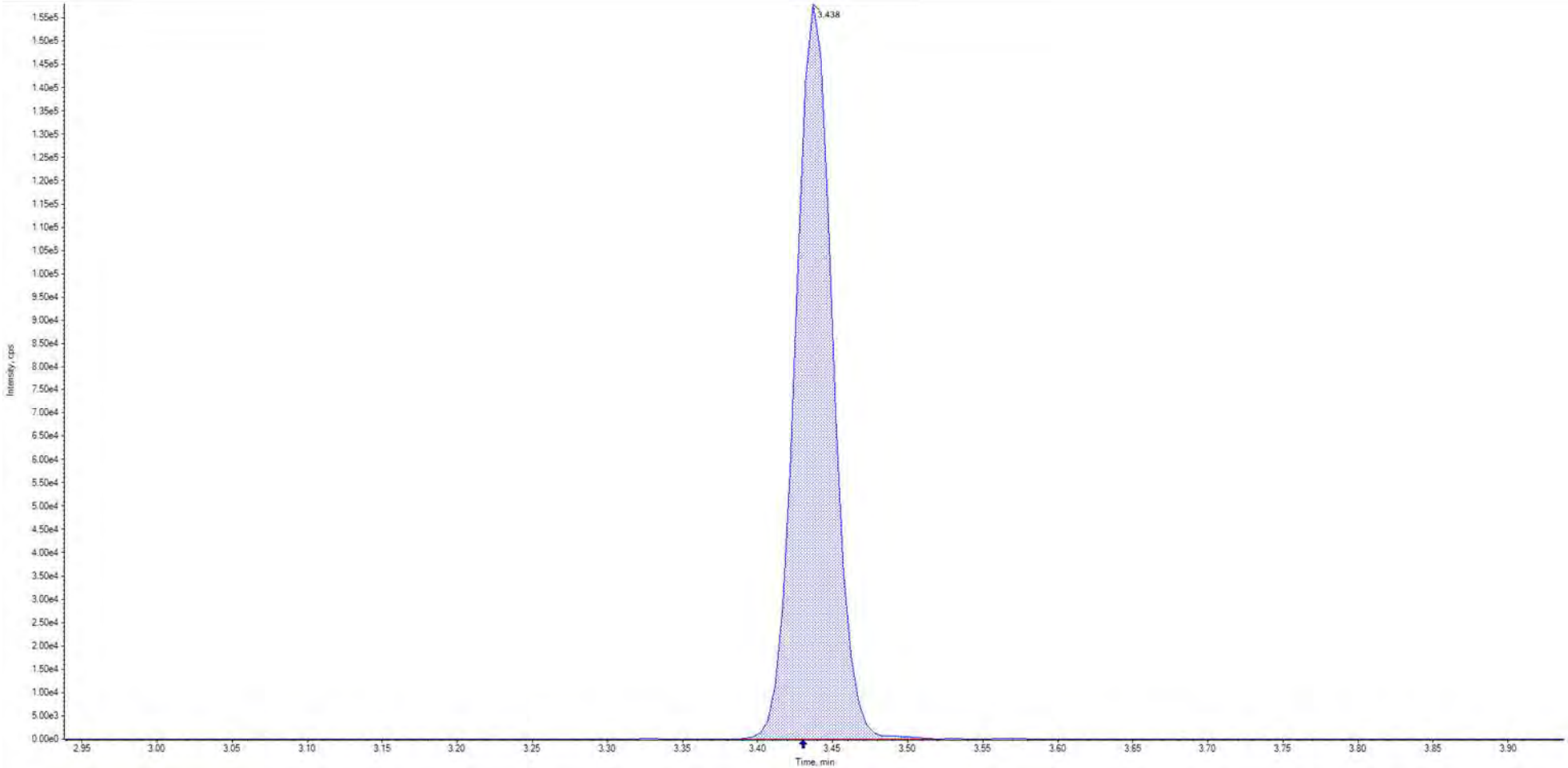


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

13C8-PFOA
Sample: IA1633STD-.5

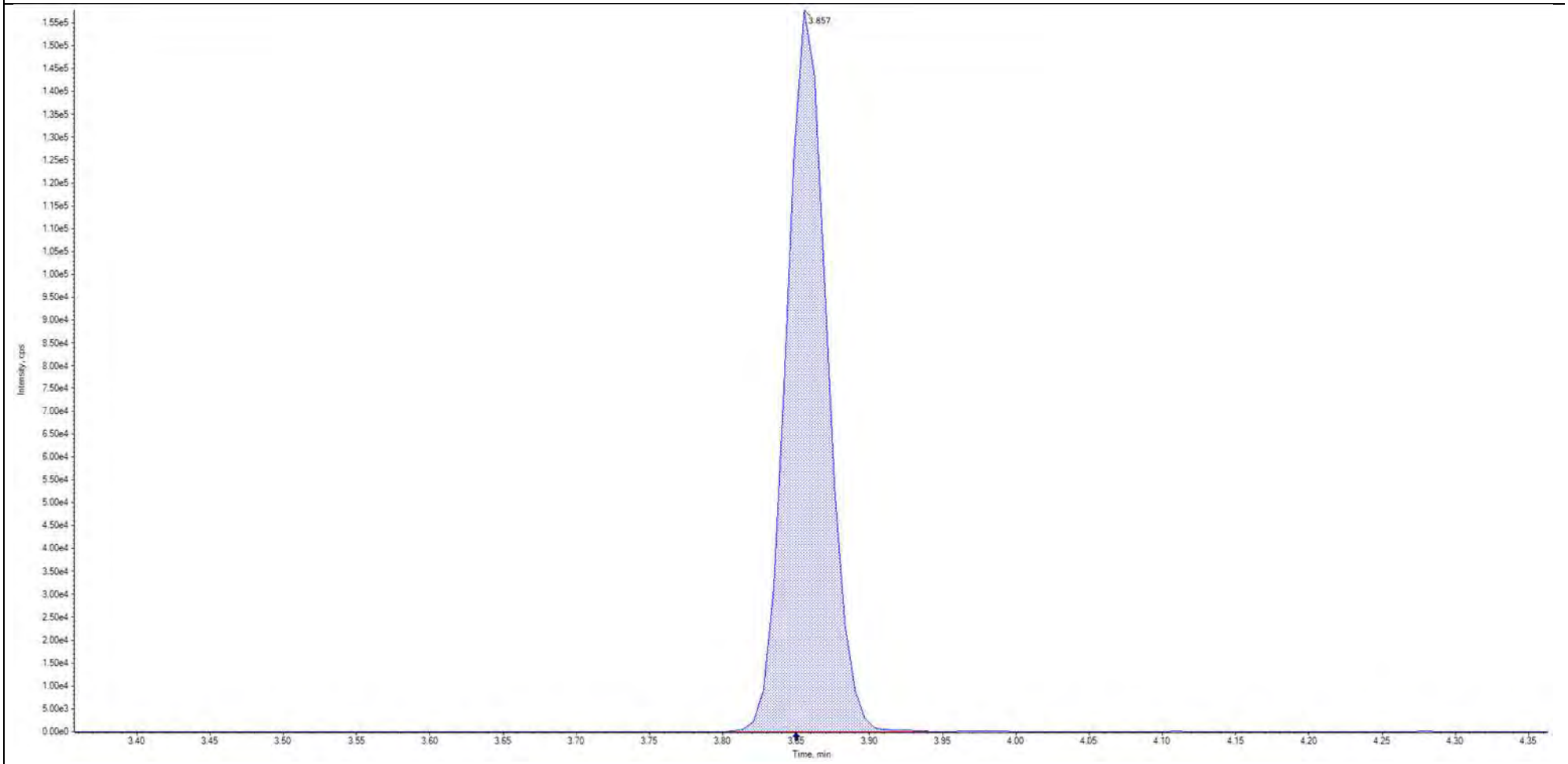


13C9-PFNA
Sample: IA1633STD-.5

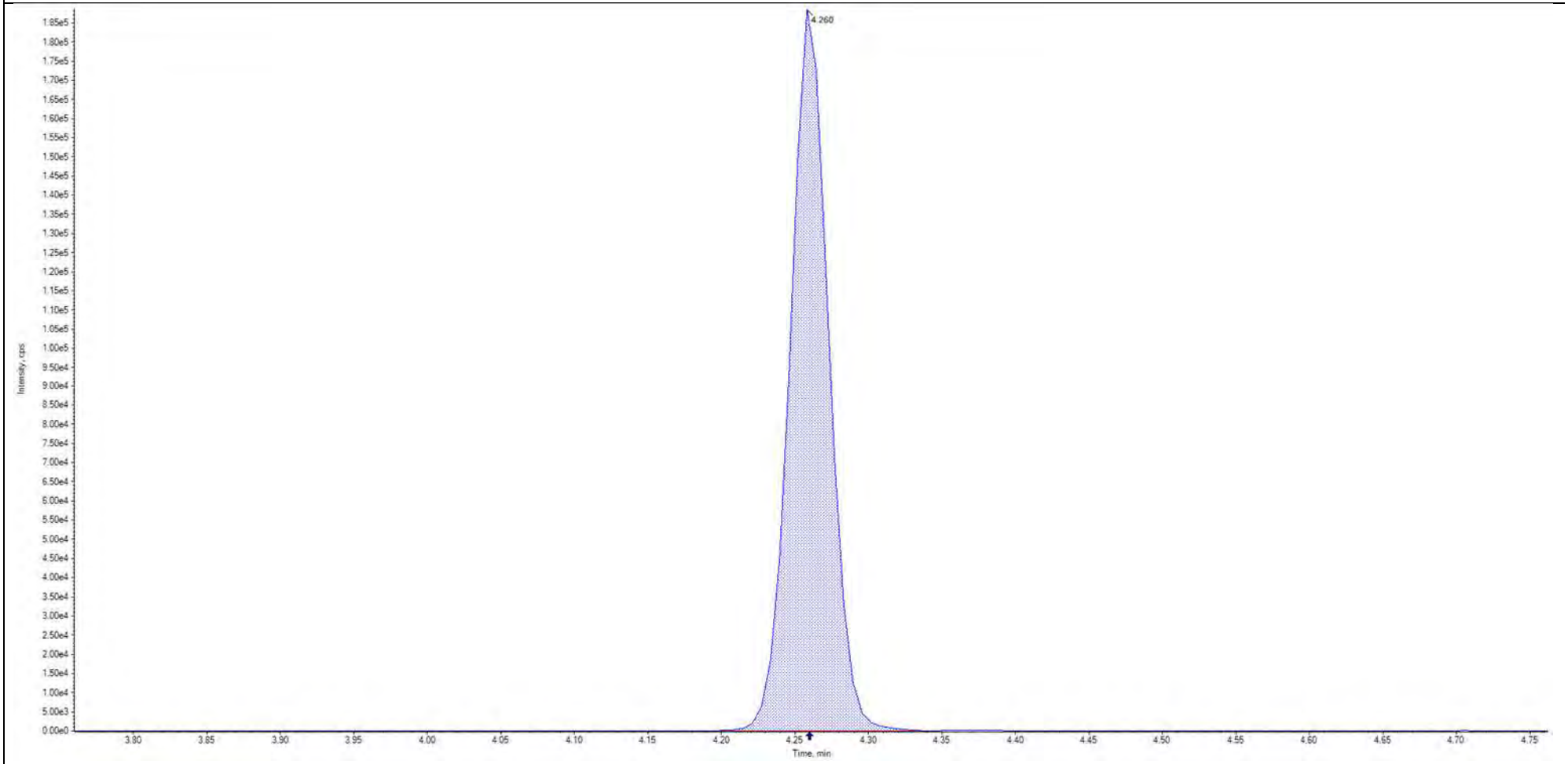


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

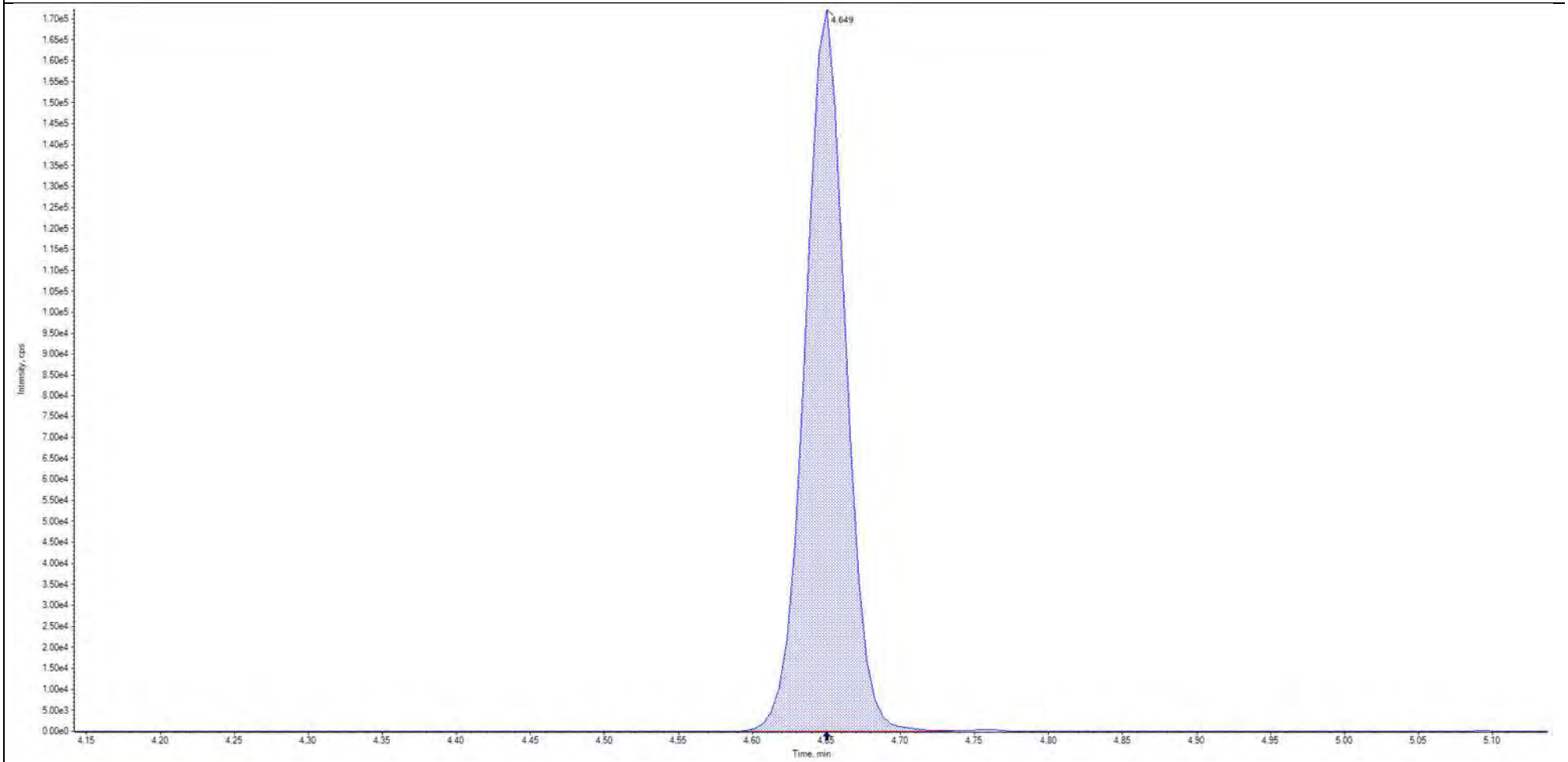
13C6-PFDA
Sample: IA1633STD-.5



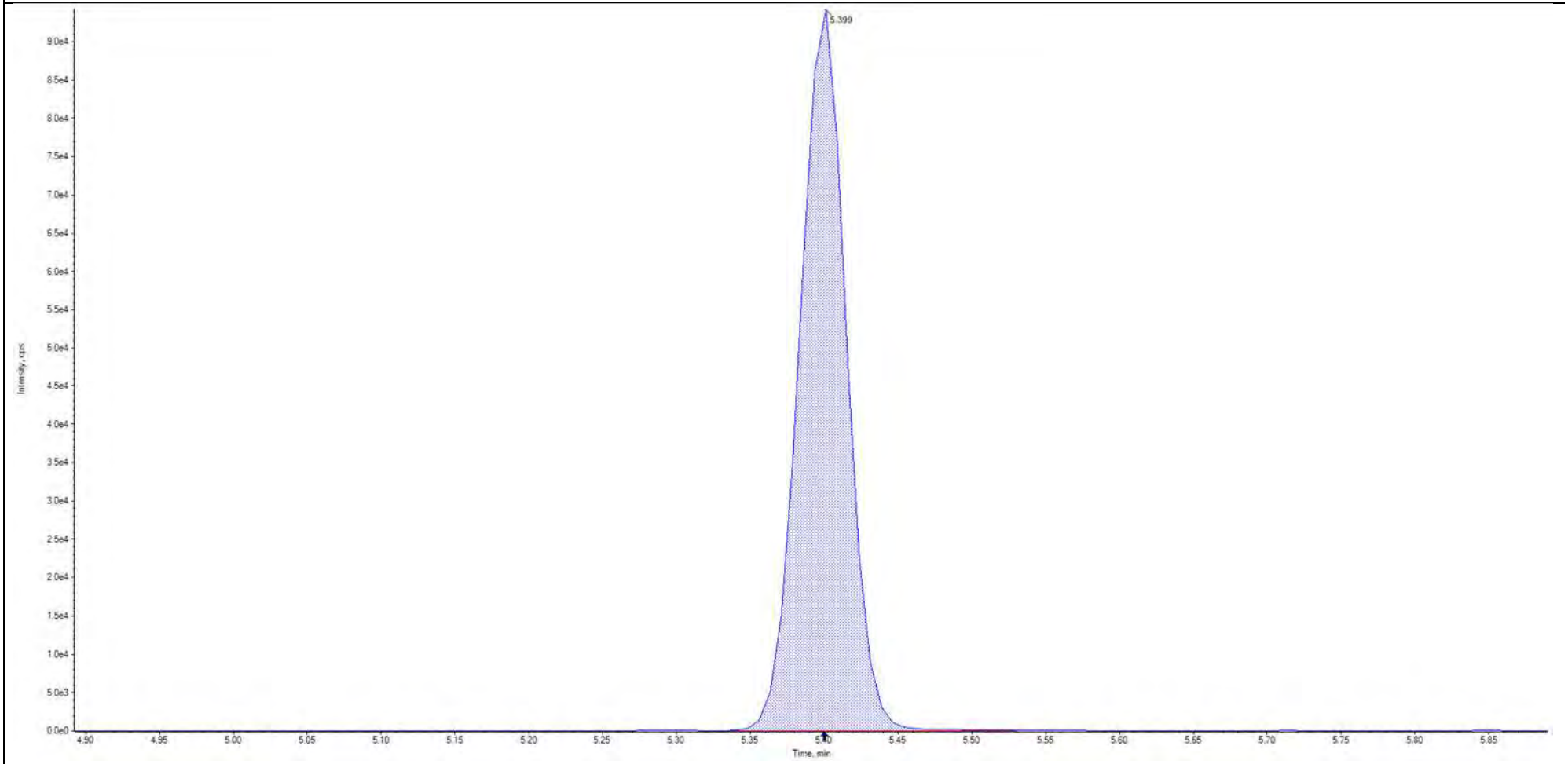
13C7-PFUnA
Sample: IA1633STD-.5



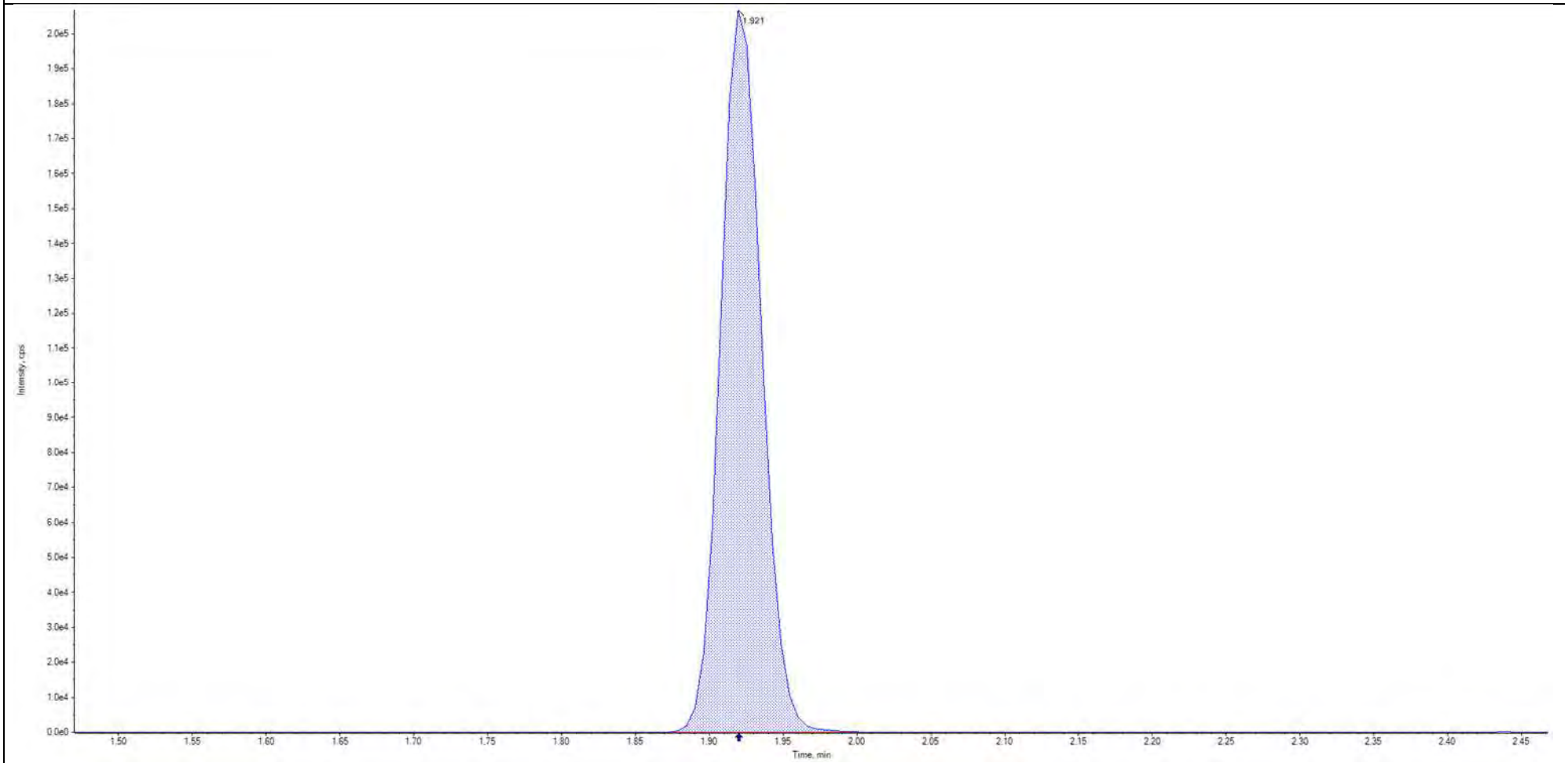
13C2-PFDoA
Sample: IA1633STD-.5



13C2-PFTeDA
Sample: IA1633STD-.5



13C3-PFBS
Sample: IA1633STD-.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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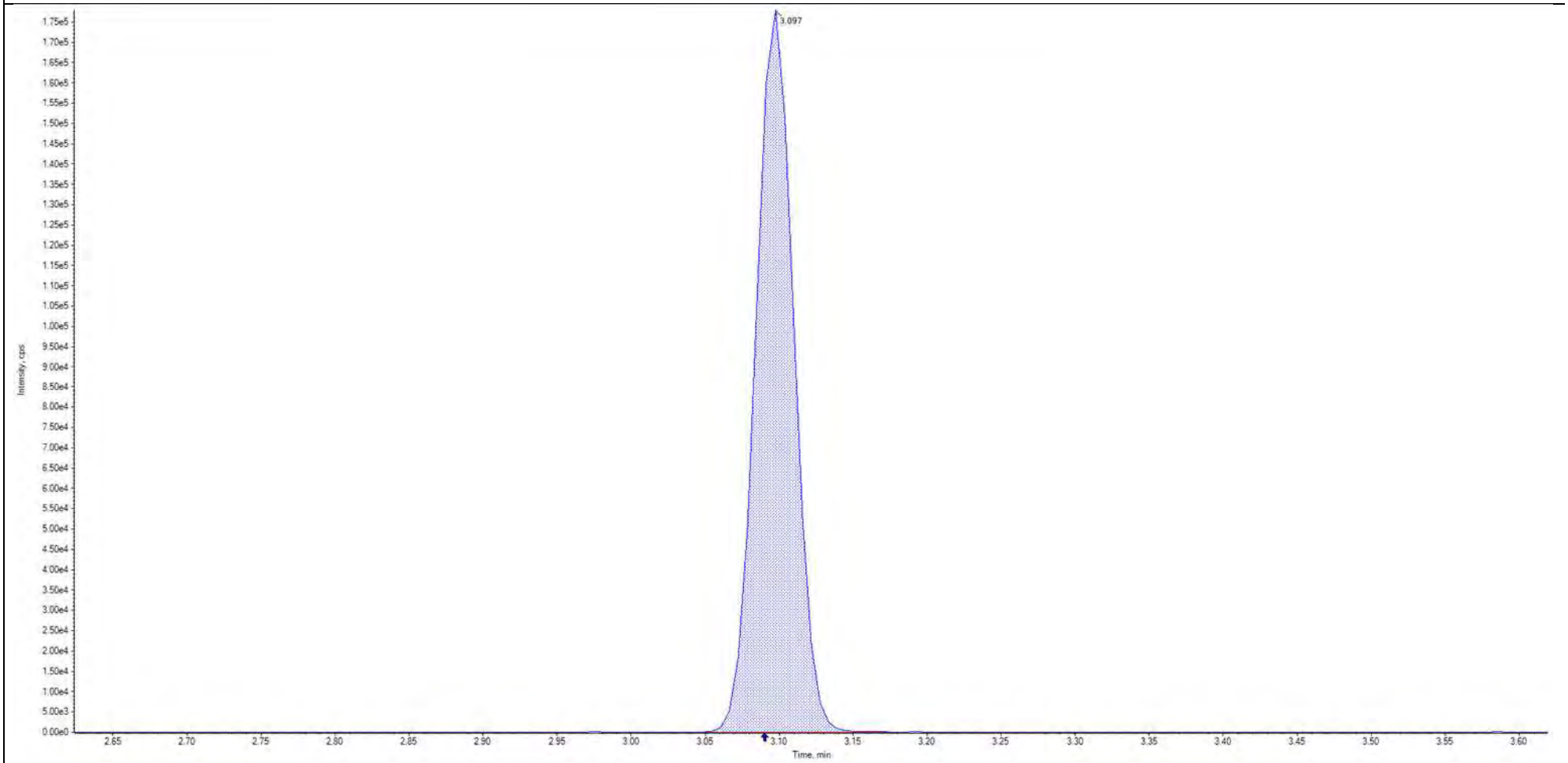
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

13C3-PFHxS
Sample: IA1633STD-.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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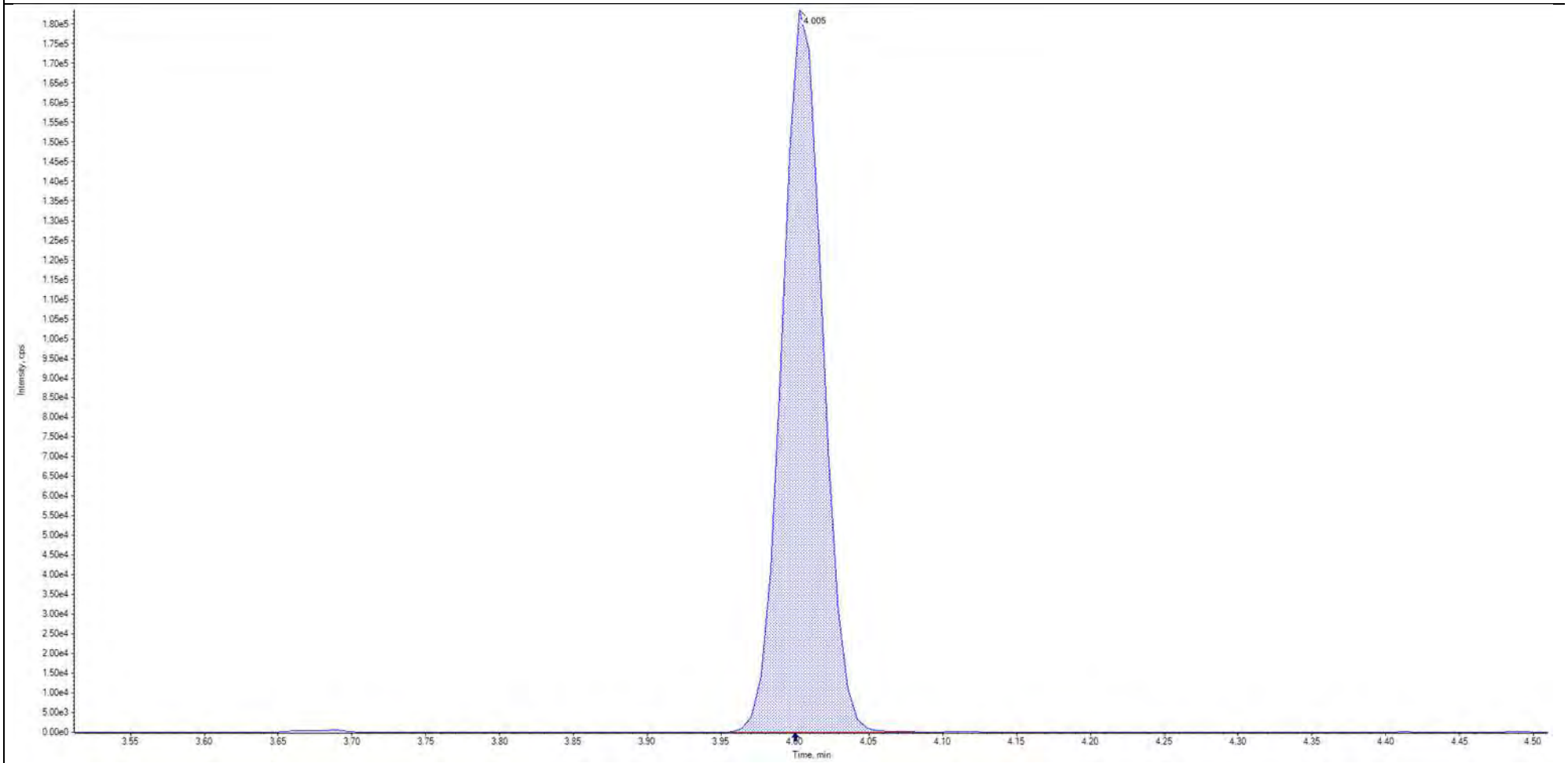
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

13C8-PFOS
Sample: IA1633STD-.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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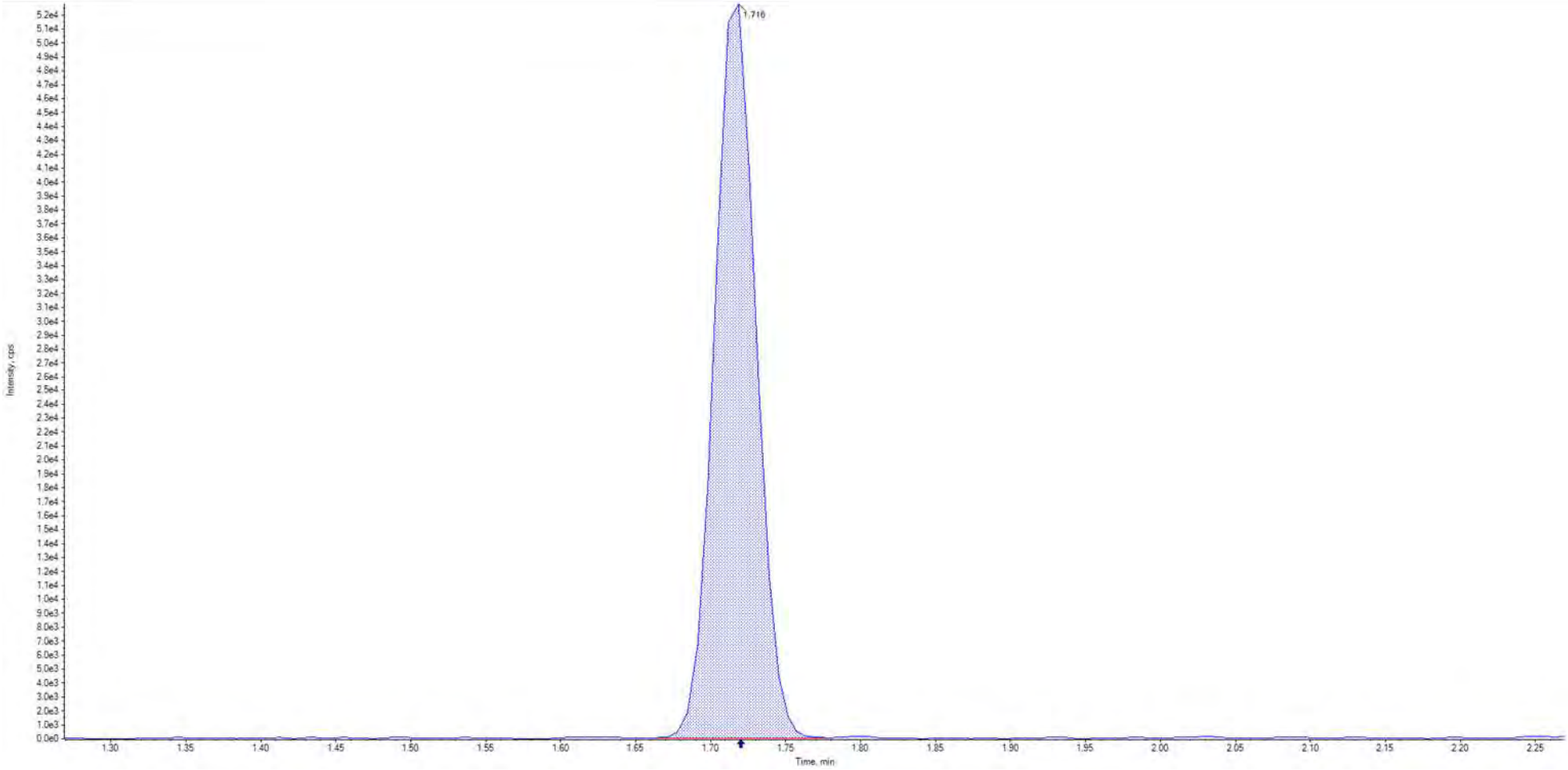
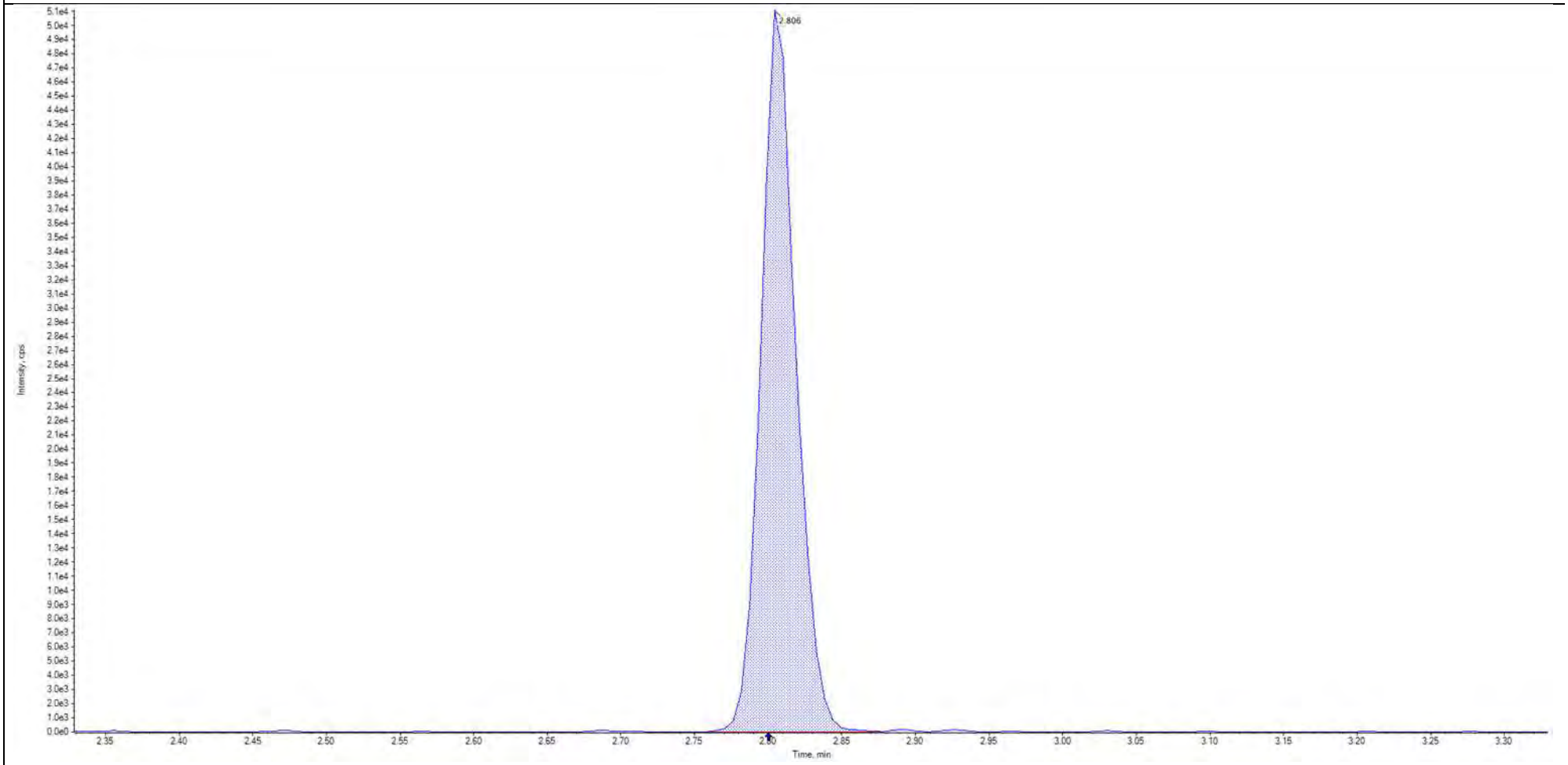
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

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

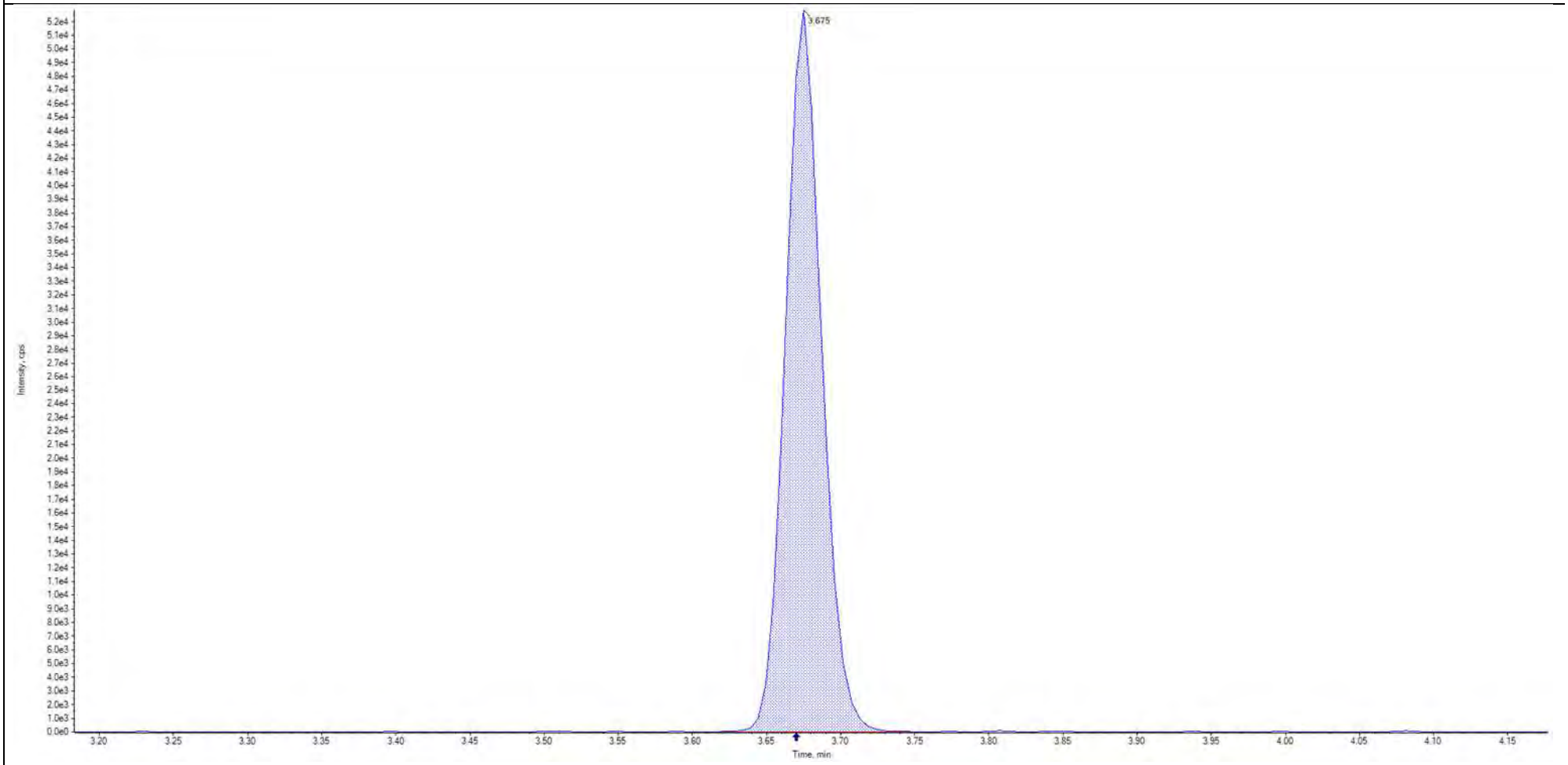


13C2-6:2FTS
Sample: IA1633STD-.5

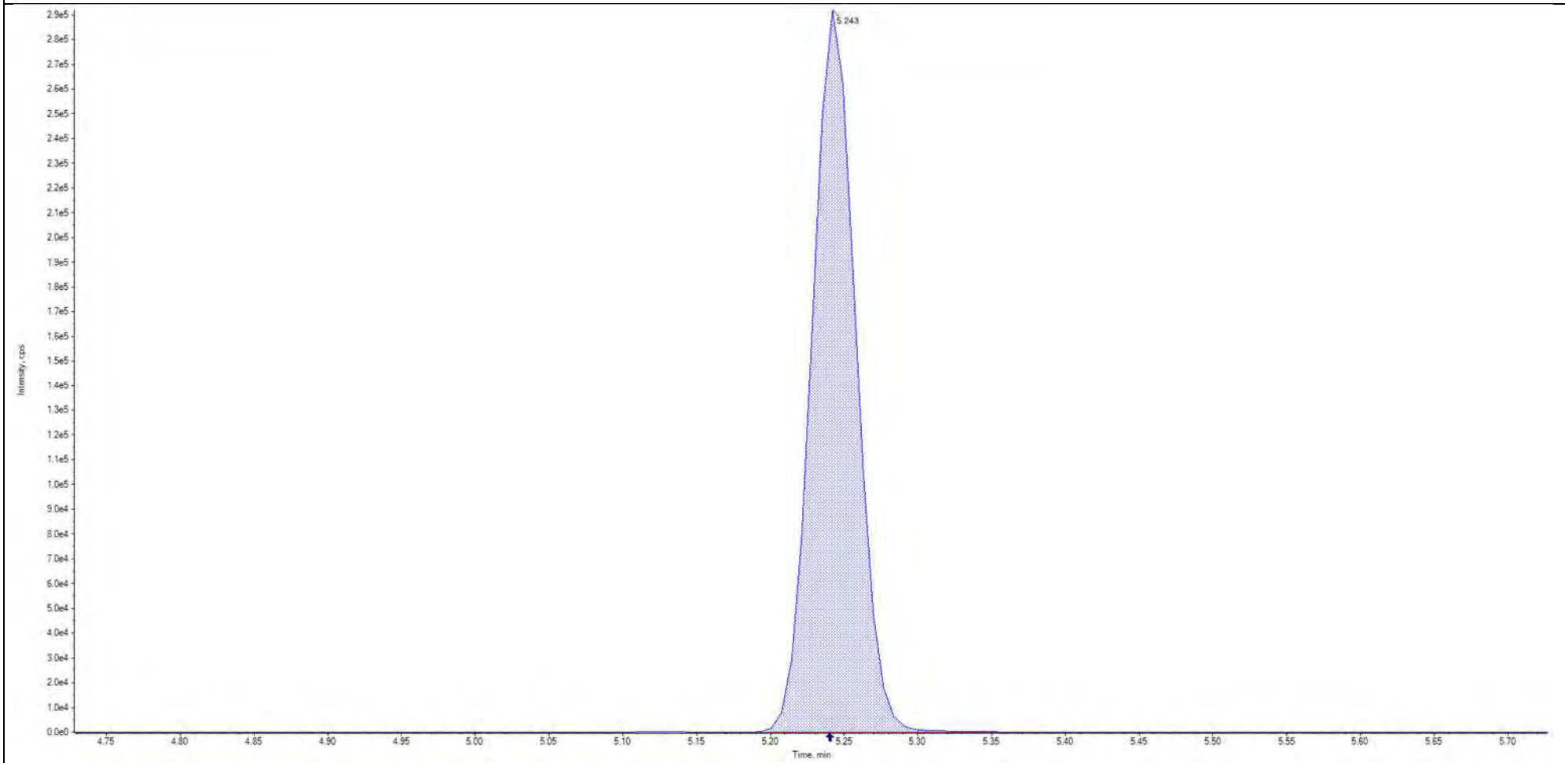


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

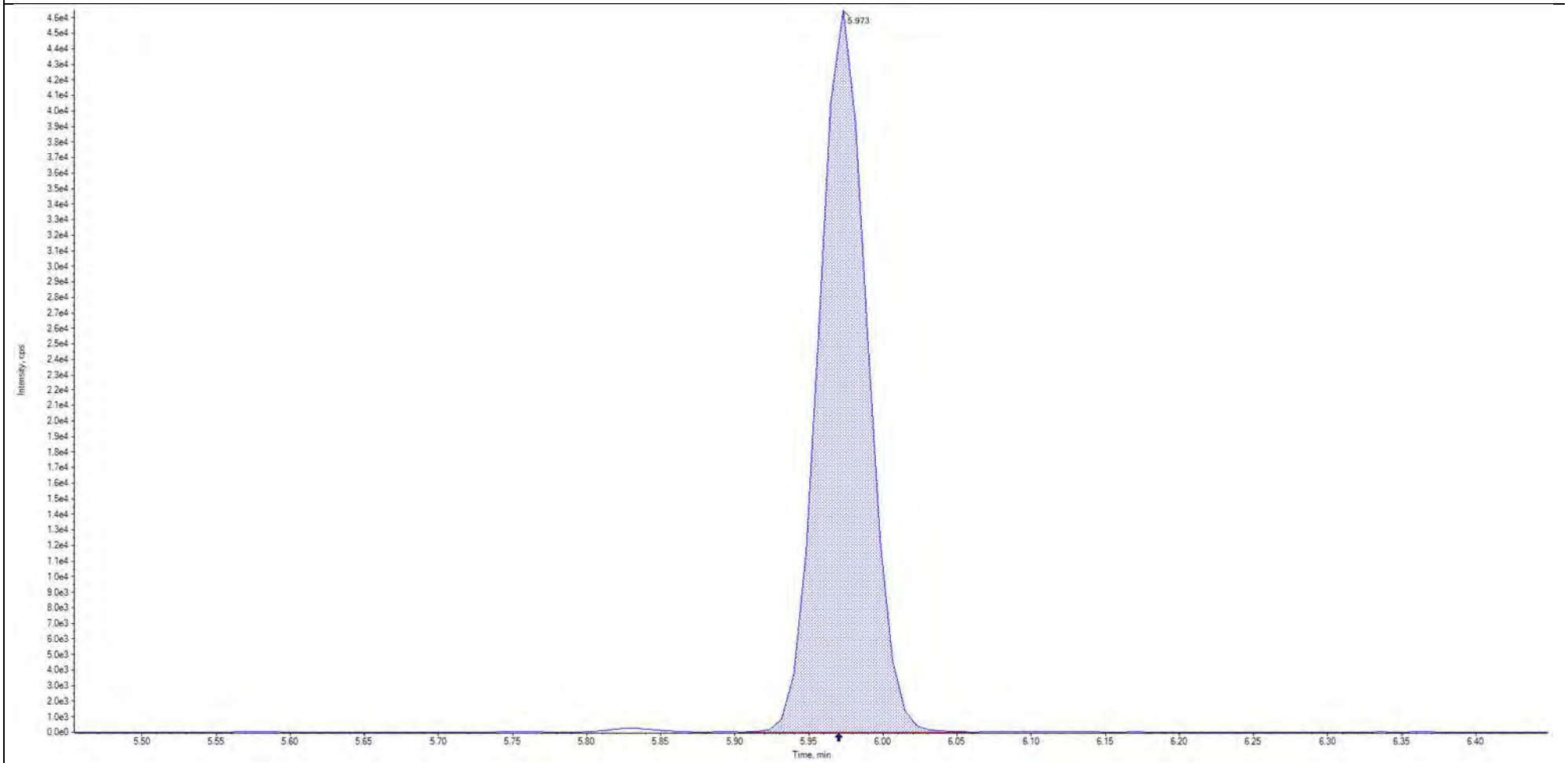
13C2-8:2FTS
Sample: IA1633STD-.5



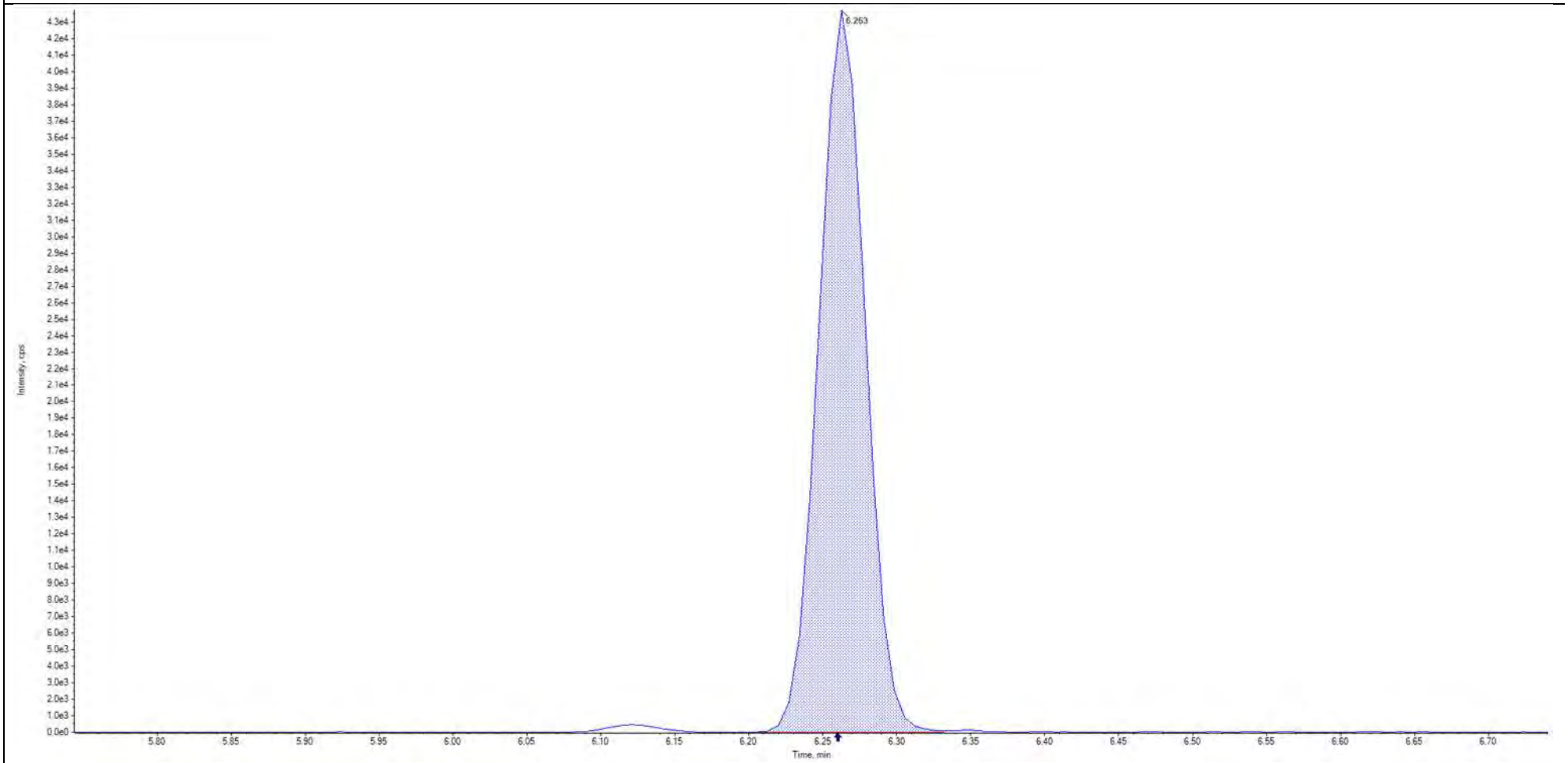
13C8-PFOSA
Sample: IA1633STD-.5



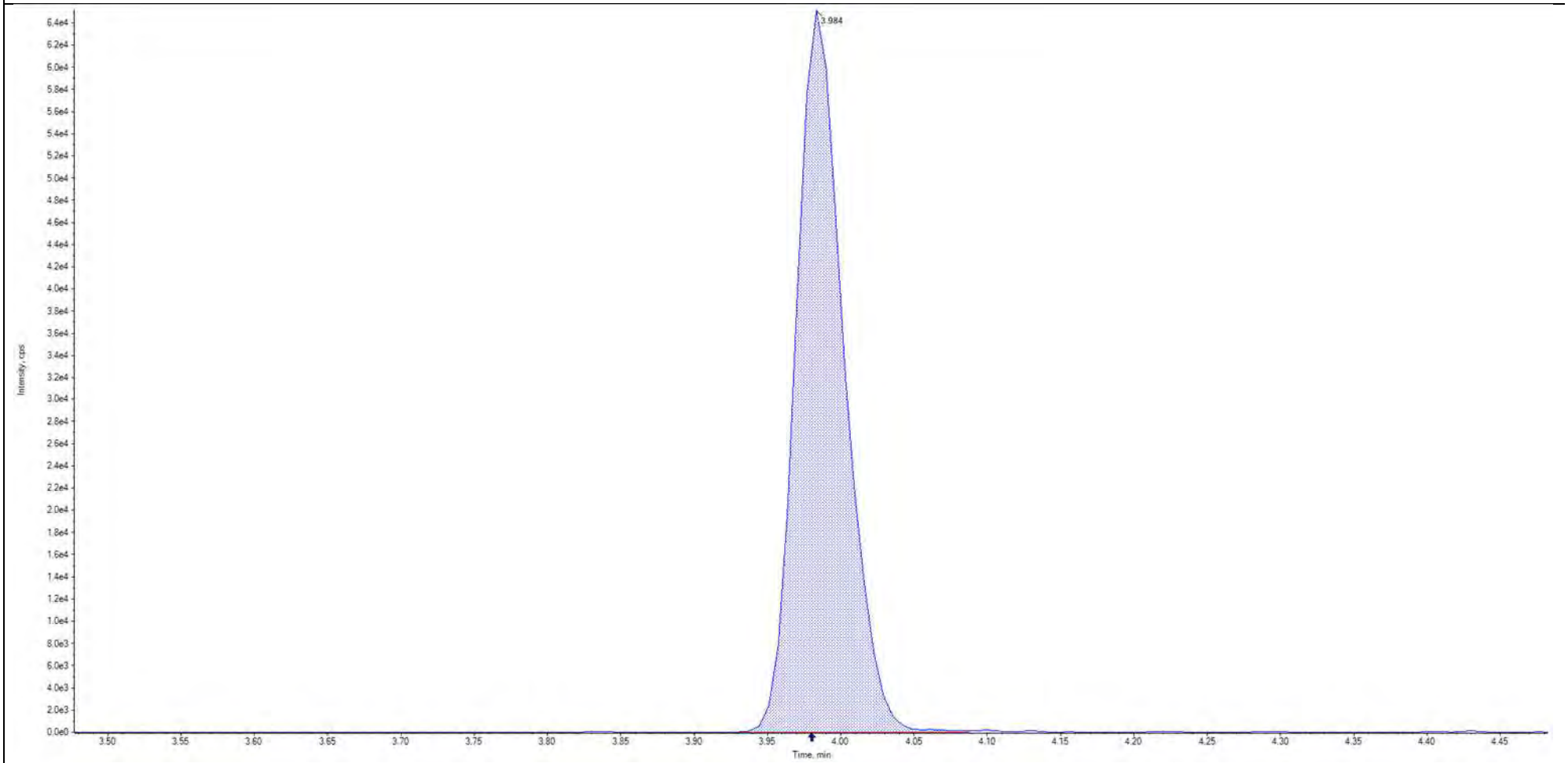
d3-NMeFOSA
Sample: IA1633STD-.5



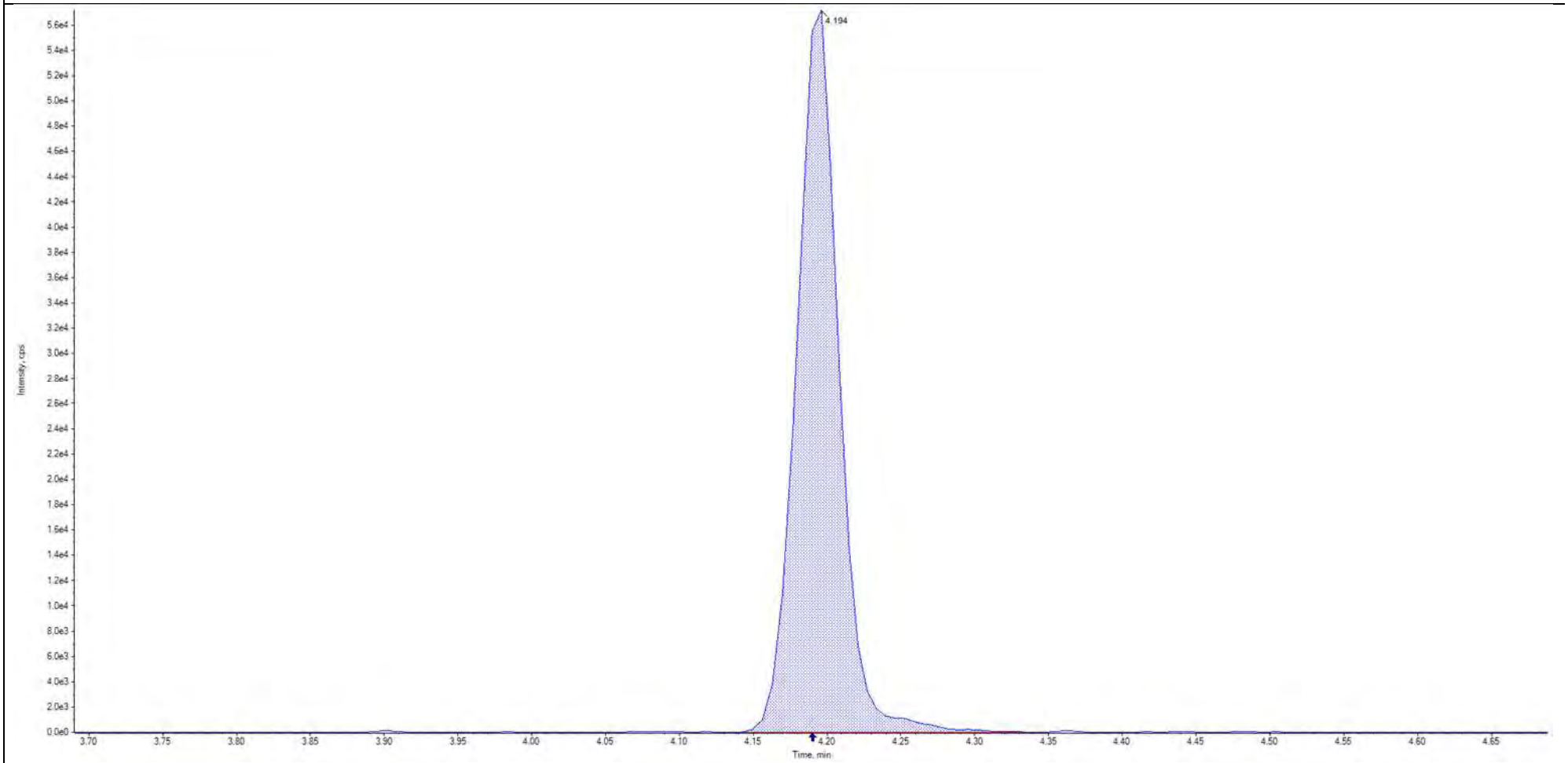
d5-NEtFOSA
Sample: IA1633STD-.5



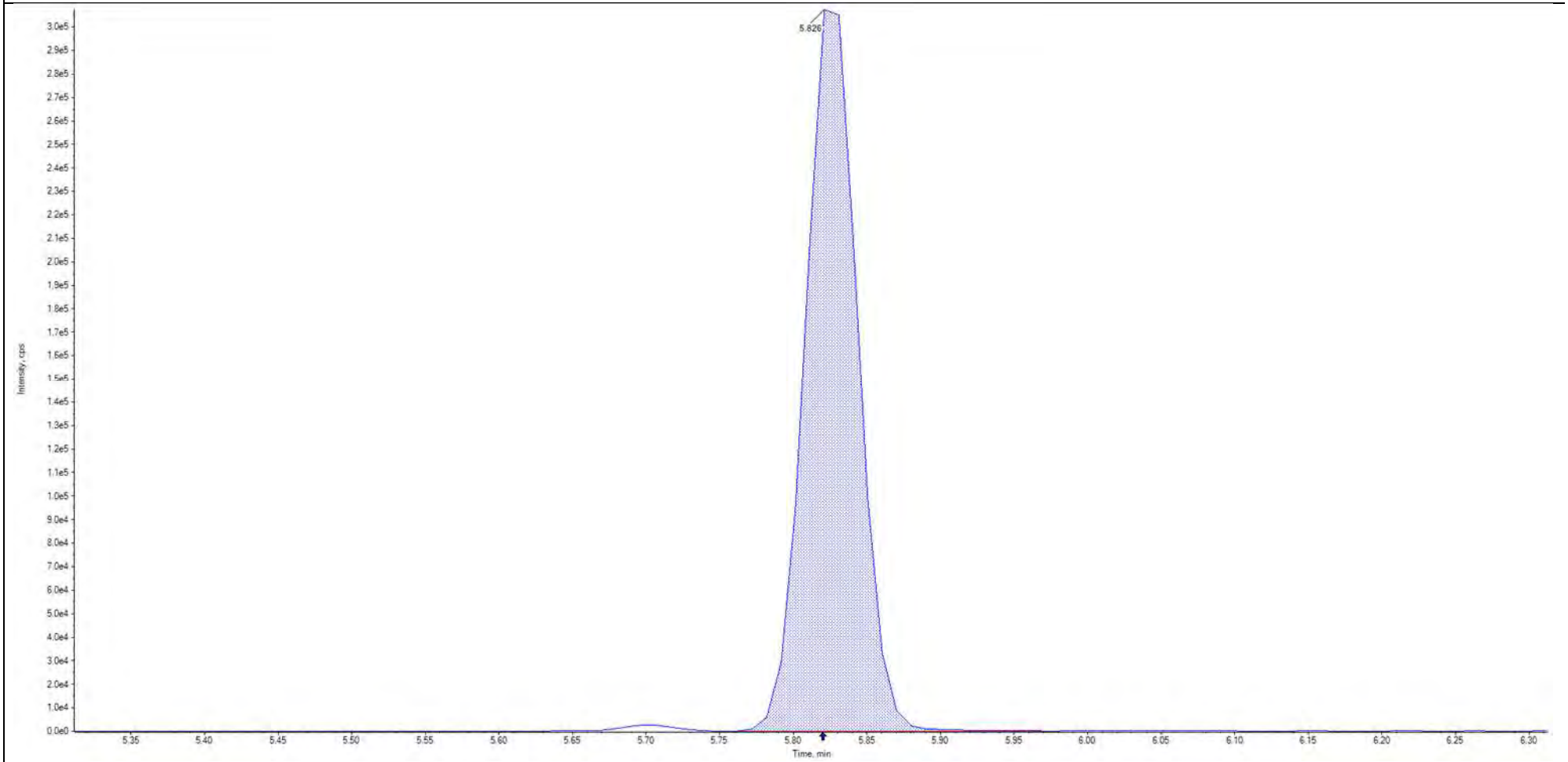
d3-NMeFOSAA
Sample: IA1633STD-.5



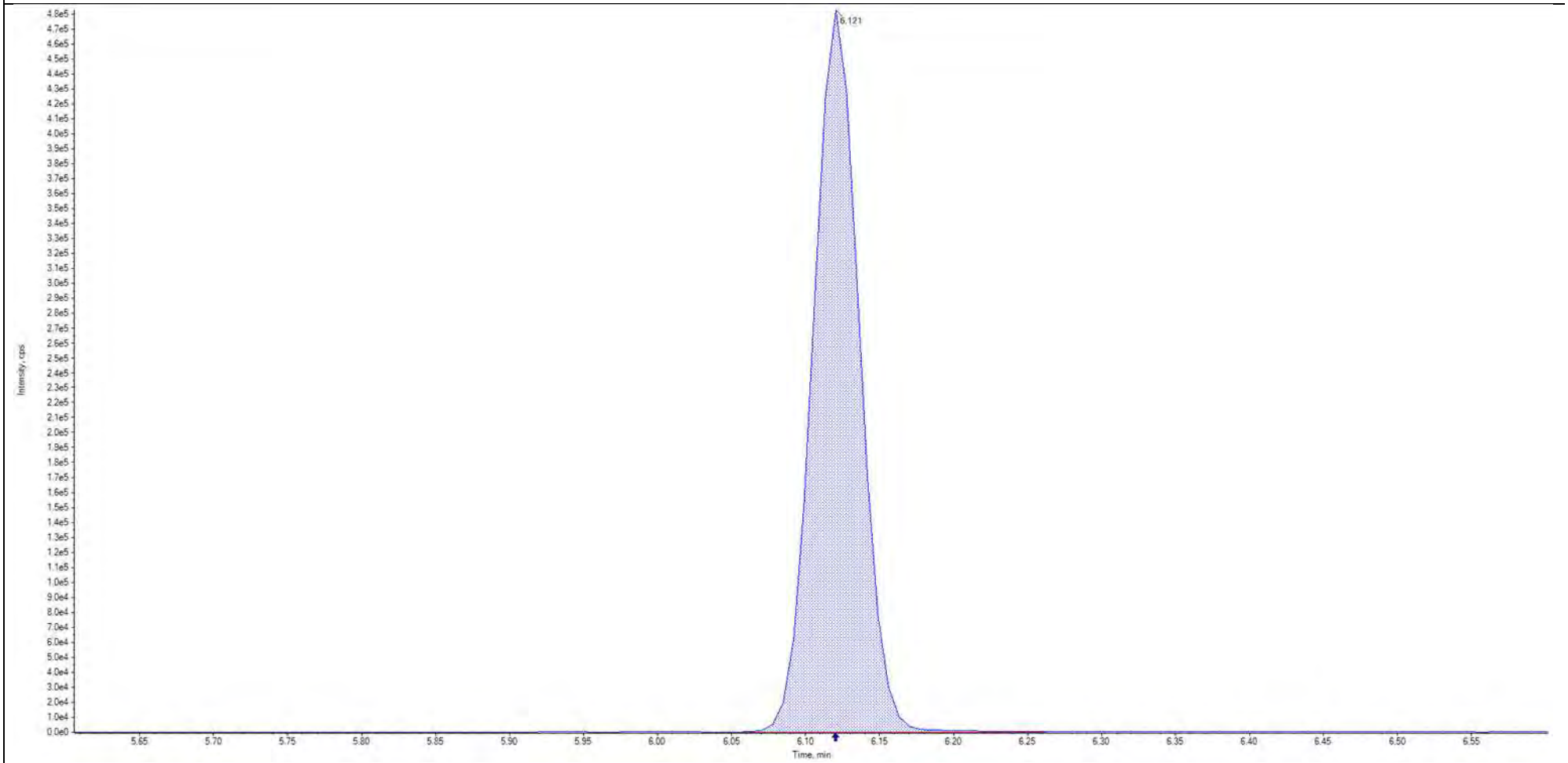
d5-NEtFOSAA
Sample: IA1633STD-.5



d7-NMeFOSE
Sample: IA1633STD-.5

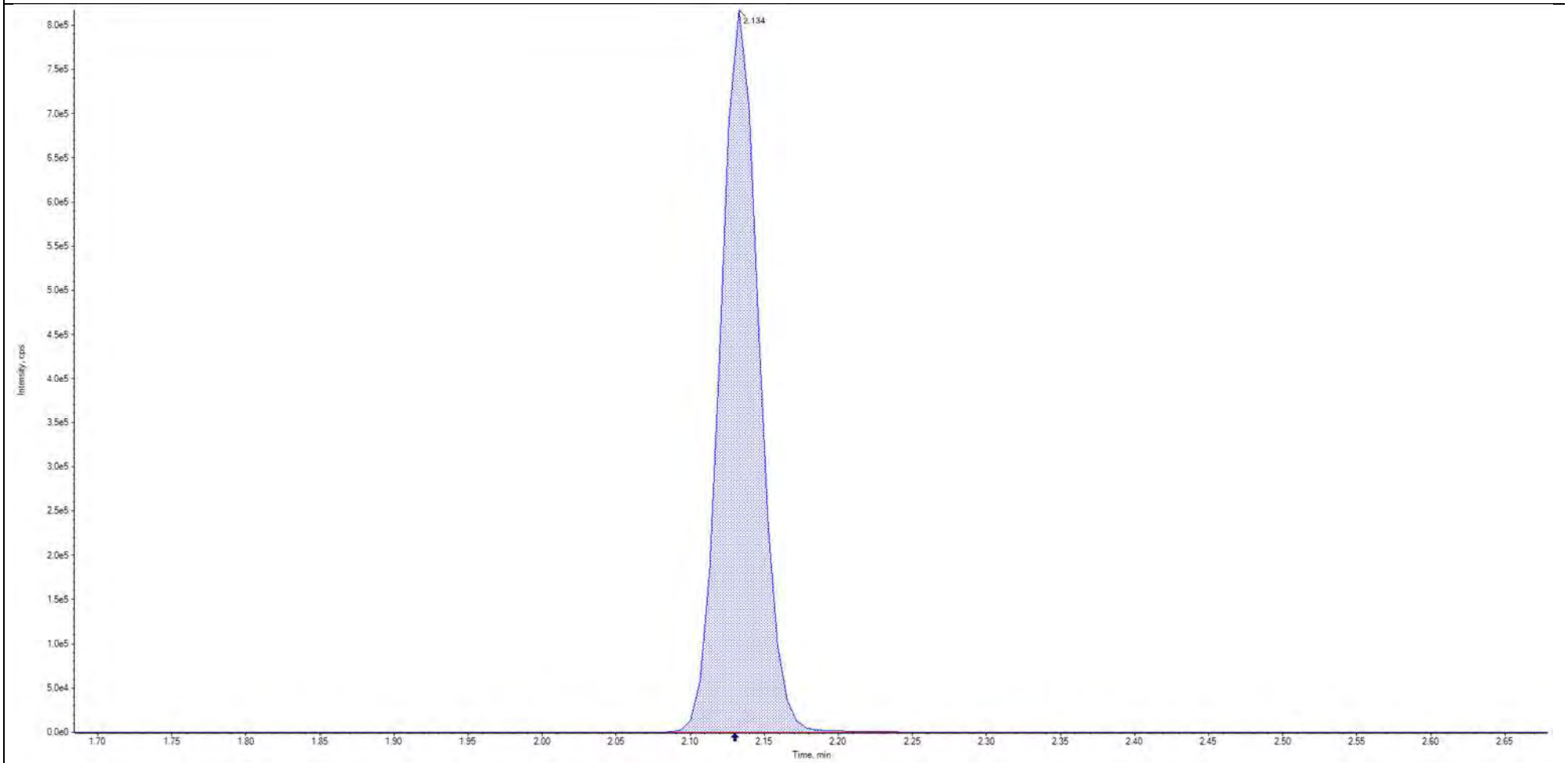


d9-NEtFOSE
Sample: IA1633STD-.5

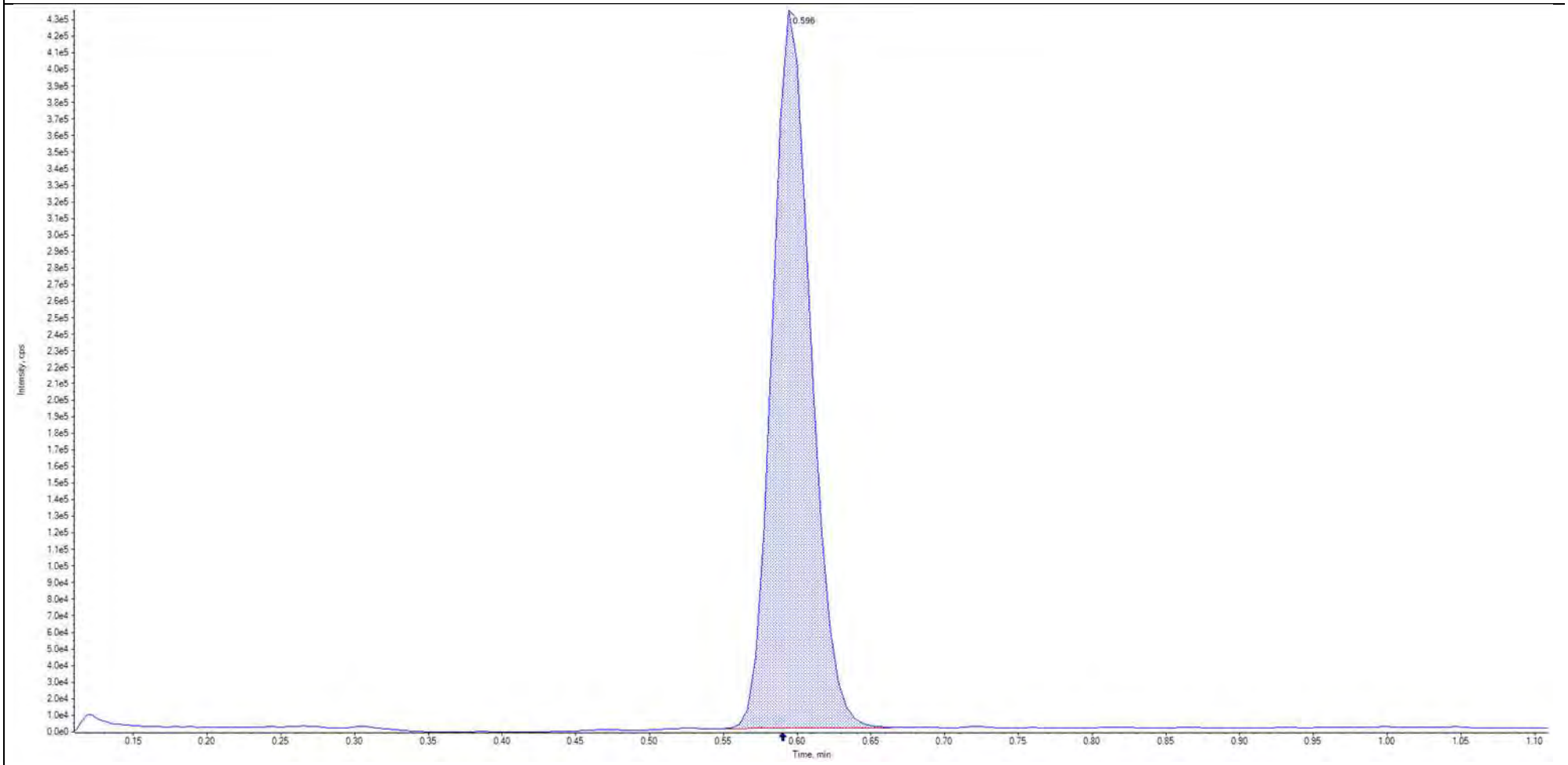


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

13C3-HFPO-DA
Sample: IA1633STD-.5



13C3-PFBA
Sample: IA1633STD-.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
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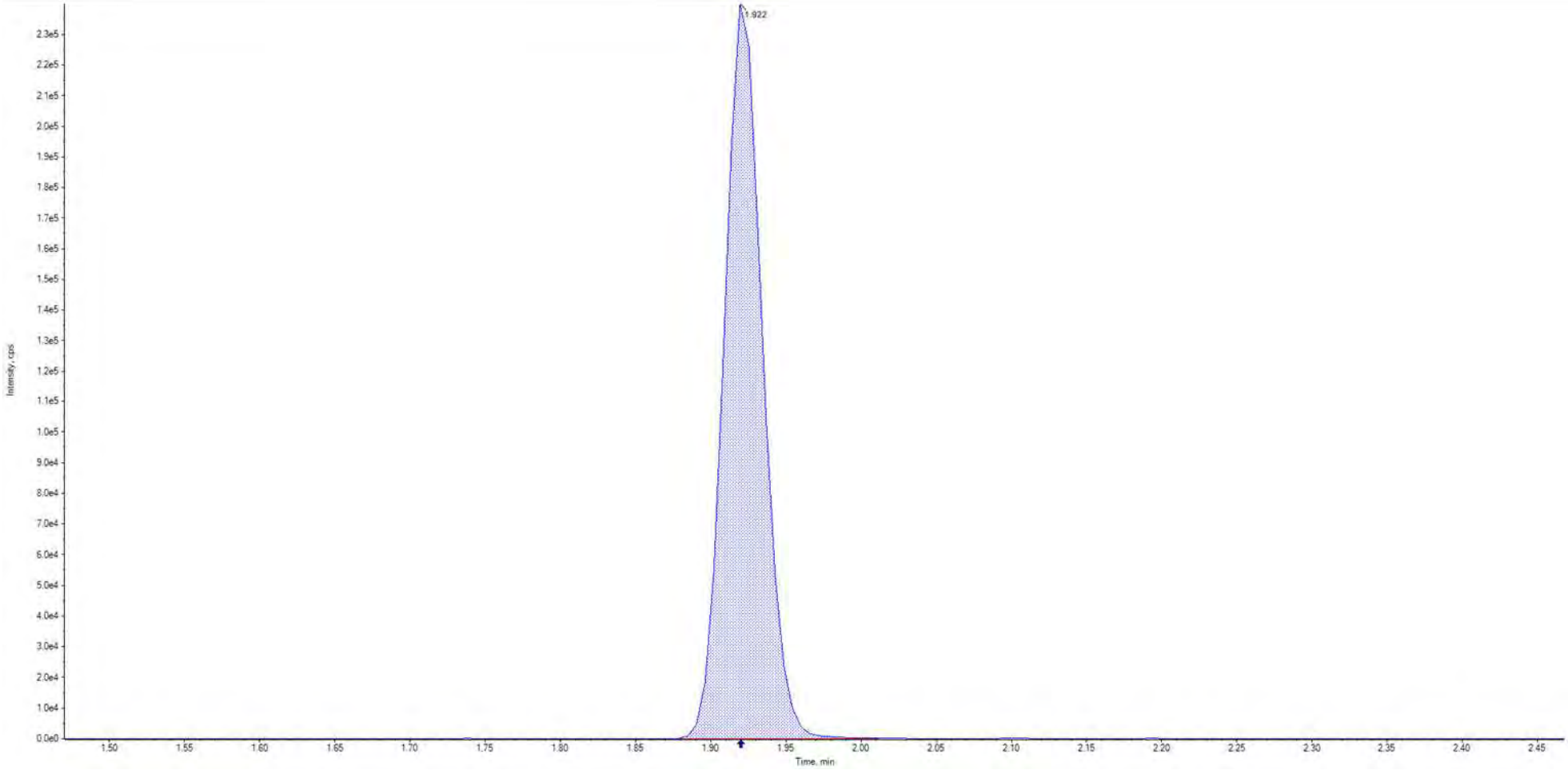
Generated: 3/3/2025 3:16:24 PM

13C2-PFHxA
Sample: IA1633STD-.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
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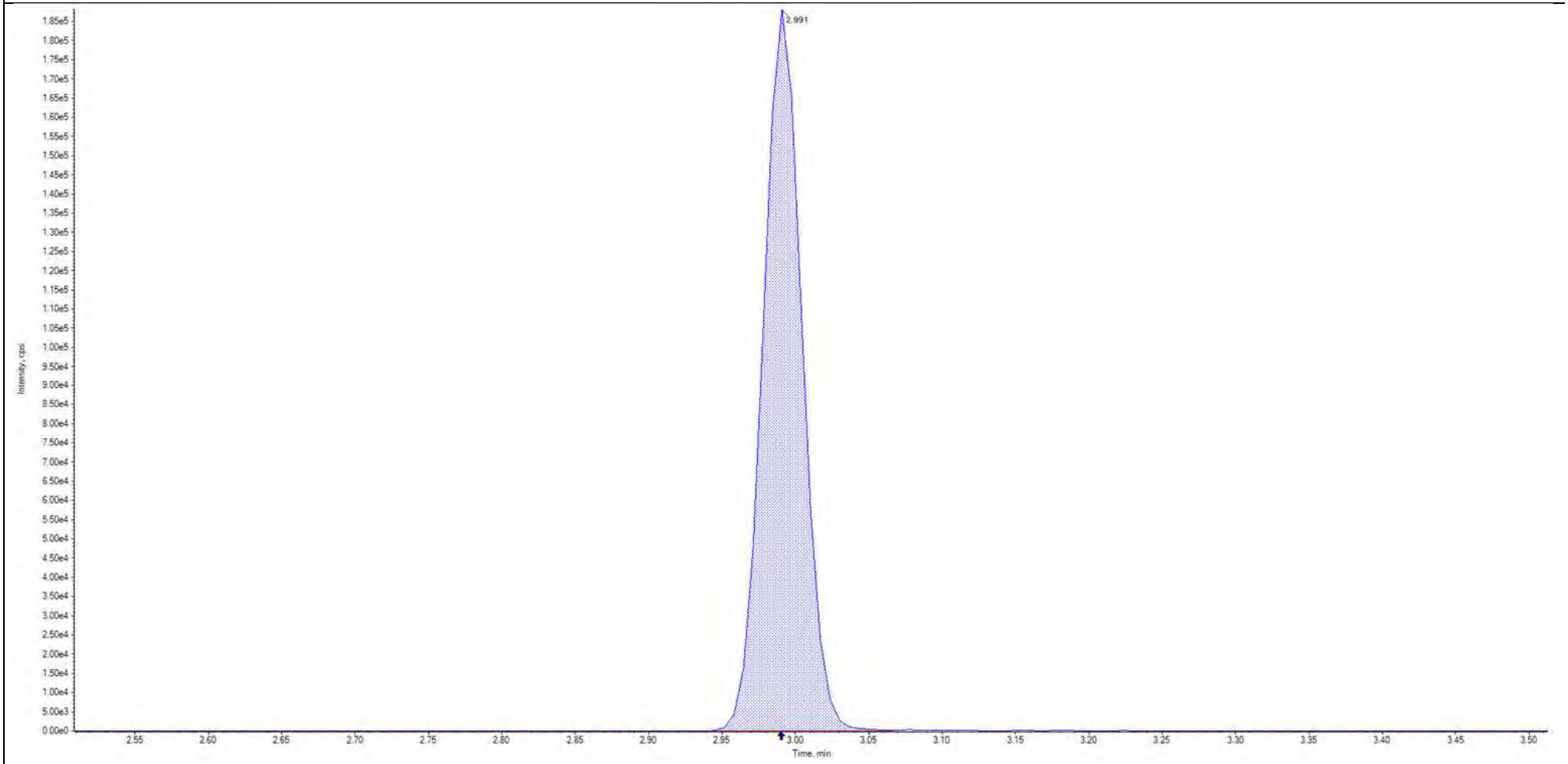
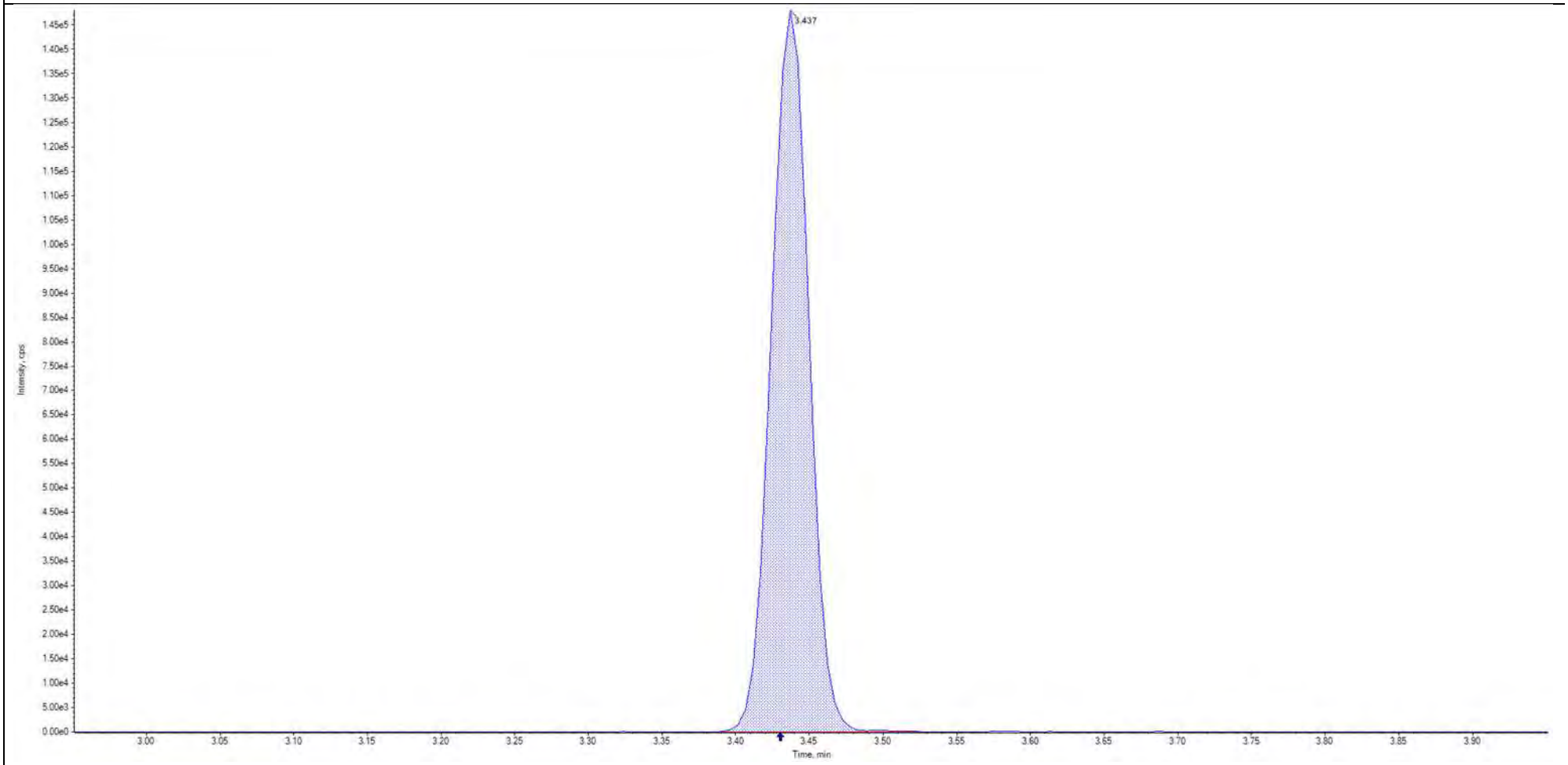
Generated: 3/3/2025 3:16:24 PM

13C4-PFOA
Sample: IA1633STD-.5

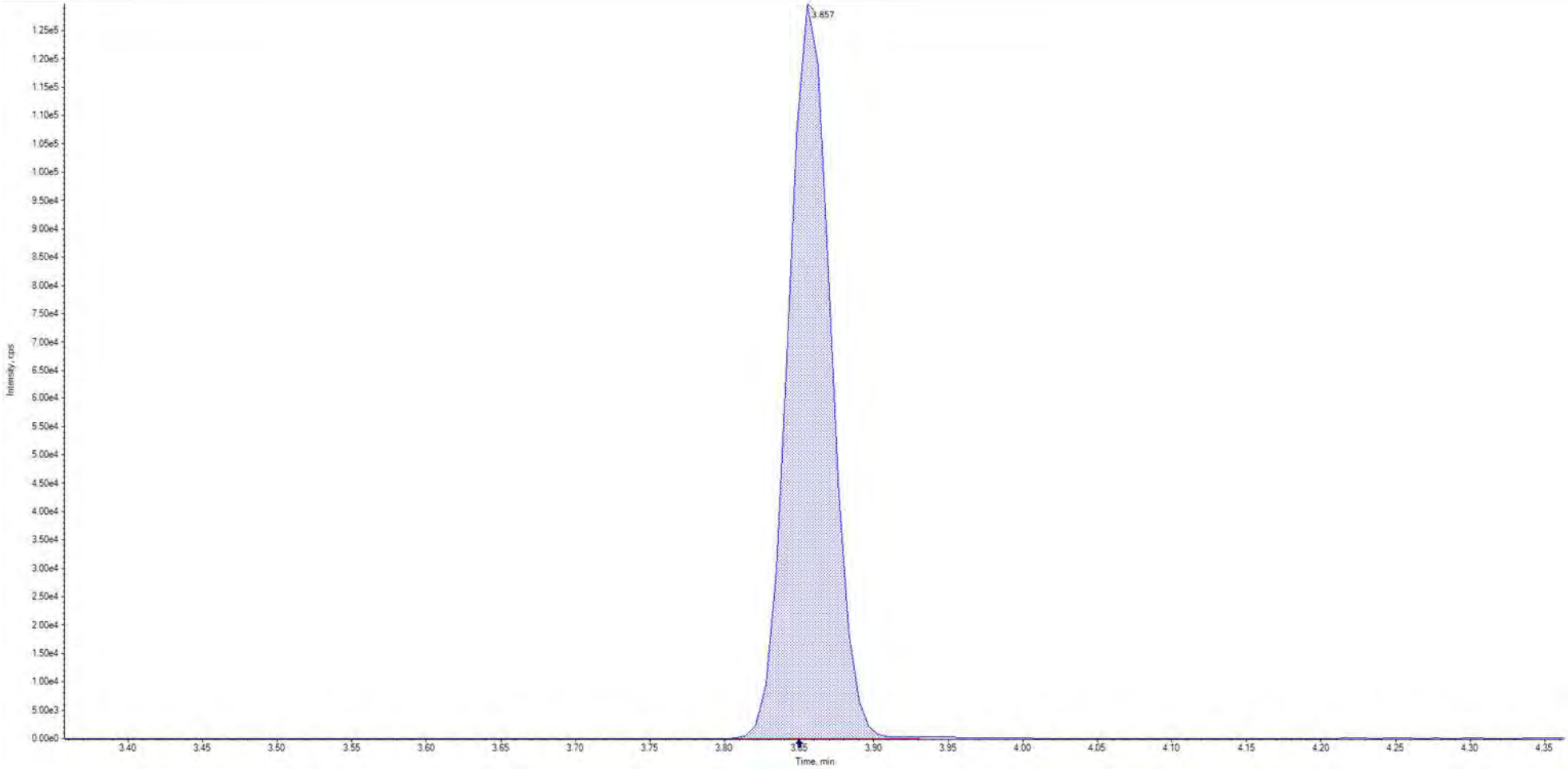


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

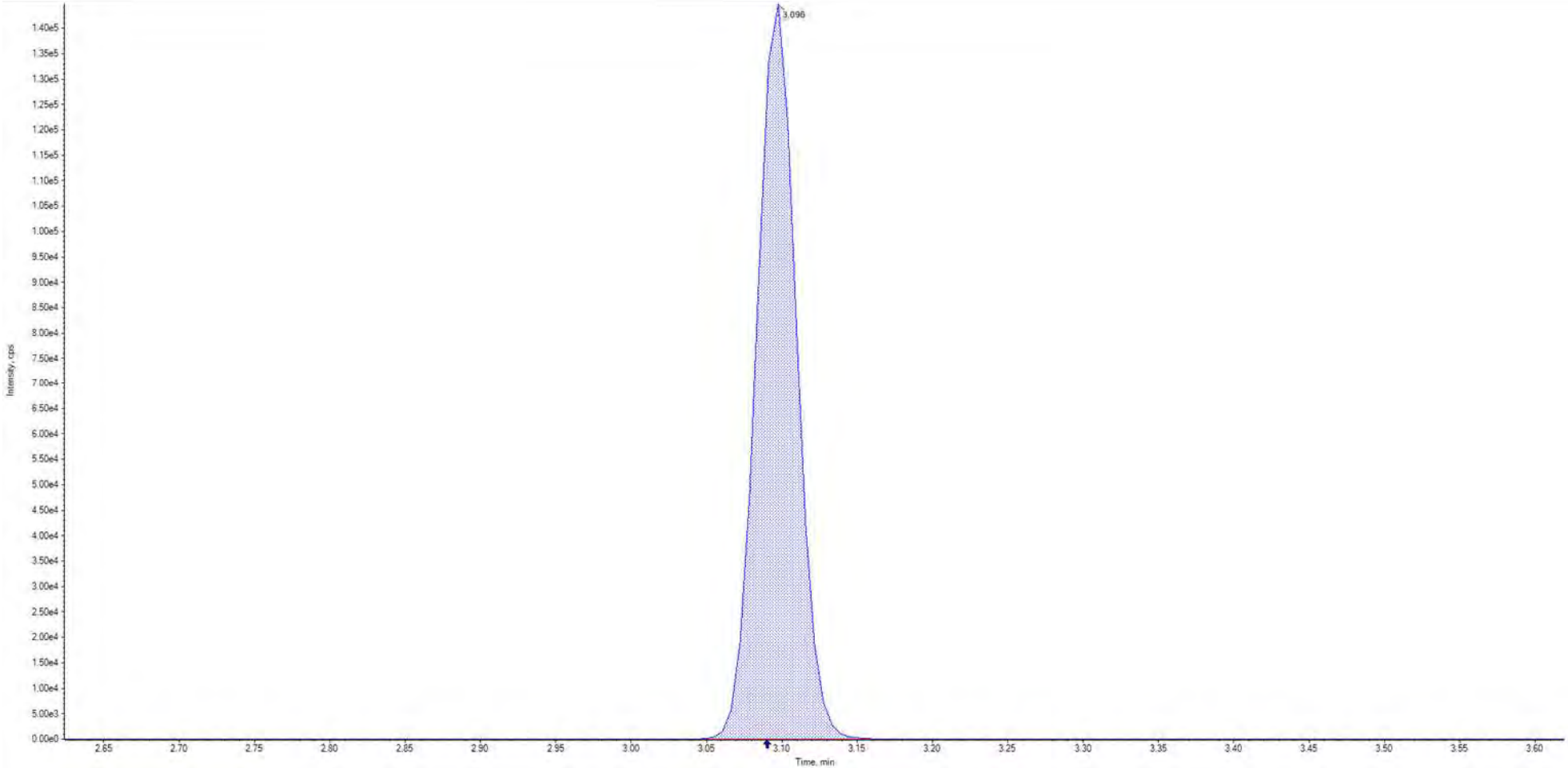
13C5-PFNA
Sample: IA1633STD-.5



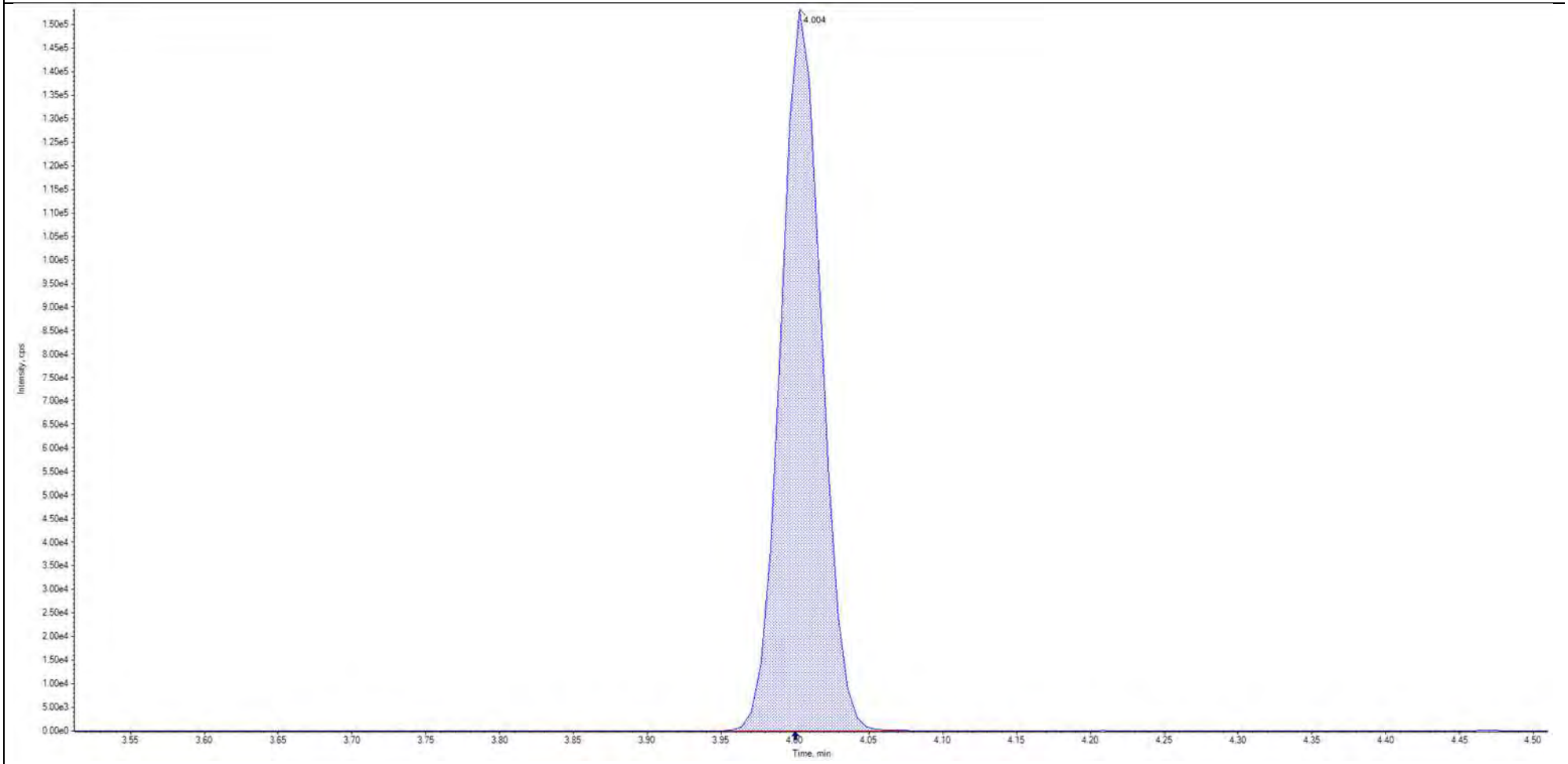
13C2-PFDA
Sample: IA1633STD-.5



18O2-PFHxS
Sample: IA1633STD-.5



13C4-PFOS
Sample: IA1633STD-.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_24.wiff2_3
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

Method: EPA1633F_250303.qmethod
Calibration: 250303_1633_ICAL

ID: IA1633STD-2.5
Name: SCI09_250303_25.wiff2
Date & Time: 2025-03-03T15:08:38
Description: WG2035972,,EPA1633F_250228_CAL_L4
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | PFBA | 375-22-4 | 0.59 | 213.0 / 169.0 | 1665038 | | 10.744 | N/A | N/A | N/A | 107.4 |
| 2 | PFPeA | 2706-90-3 | 1.17 | 263.0 / 219.0 | 749202 | | 5.210 | 0.007 | N/A | N/A | 104.2 |
| 3 | PFPeA_2 | 2706-90-3 | 1.17 | 263.0 / 68.9 | 5251 | | 5.206 | 0.007 | N/A | N/A | 104.1 |
| 4 | PFHxA | 307-24-4 | 1.92 | 313.0 / 269.0 | 452175 | | 2.612 | 0.084 | 0.081 | Pass | 104.5 |
| 5 | PFHxA_2 | 307-24-4 | 1.92 | 313.0 / 119.0 | 37787 | | 2.567 | 0.084 | 0.081 | Pass | 102.7 |
| 6 | PFHpA | 375-85-9 | 2.50 | 363.1 / 319.0 | 510666 | | 2.765 | 0.398 | 0.373 | Pass | 110.6 |
| 7 | PFHpA_2 | 375-85-9 | 2.49 | 363.1 / 169.0 | 203468 | | 2.790 | 0.398 | 0.373 | Pass | 111.6 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | PFOA | 335-67-1 | 2.99 | 413.1 / 369.1 | 510178 | M5 | 2.525 | 0.420 | 0.424 | Pass | 101.0 |
| 9 | PFOA_2 | 335-67-1 | 2.99 | 413.1 / 169.0 | 214088 | M5 | 2.504 | 0.420 | 0.424 | Pass | 100.2 |
| 10 | PFNA | 375-95-1 | 3.43 | 462.8 / 418.9 | 351968 | M5 | 2.592 | 0.492 | 0.493 | Pass | 103.7 |
| 11 | PFNA_2 | 375-95-1 | 3.43 | 462.8 / 219.0 | 173187 | M5 | 2.620 | 0.492 | 0.493 | Pass | 104.8 |
| 12 | PFDA | 335-76-2 | 3.85 | 513.1 / 469.1 | 506127 | | 2.533 | 0.191 | 0.188 | Pass | 101.3 |
| 13 | PFDA_2 | 335-76-2 | 3.85 | 513.1 / 219.0 | 96717 | | 2.629 | 0.191 | 0.188 | Pass | 105.1 |
| 14 | PFUnA | 2058-94-8 | 4.26 | 563.1 / 519.1 | 586262 | | 2.782 | 0.141 | 0.146 | Pass | 111.3 |
| 15 | PFUnA_2 | 2058-94-8 | 4.26 | 563.1 / 269.0 | 82427 | | 2.721 | 0.141 | 0.146 | Pass | 108.9 |
| 16 | PFDoA | 307-55-1 | 4.65 | 613.1 / 569.1 | 635053 | | 2.736 | 0.130 | 0.142 | Pass | 109.4 |
| 17 | PFDoA_2 | 307-55-1 | 4.65 | 613.1 / 319.0 | 82841 | | 2.589 | 0.130 | 0.142 | Pass | 103.6 |
| 18 | PFTrDA | 72629-94-8 | 5.03 | 663.1 / 619.1 | 565040 | | 2.771 | 0.153 | 0.152 | Pass | 110.8 |
| 19 | PFTrDA_2 | 72629-94-8 | 5.03 | 663.1 / 169.0 | 86456 | | 2.760 | 0.153 | 0.152 | Pass | 110.4 |
| 20 | PFTeDA | 376-06-7 | 5.40 | 713.1 / 669.1 | 482581 | | 2.717 | 0.158 | 0.154 | Pass | 108.7 |
| 21 | PFTeDA_2 | 376-06-7 | 5.39 | 713.1 / 169.0 | 76085 | | 2.624 | 0.158 | 0.154 | Pass | 104.9 |
| 22 | PFBS | 375-73-5 | 1.92 | 299.1 / 80.1 | 375073 | | 2.439 | 0.391 | 0.374 | Pass | 109.9 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | PFBS_2 | 375-73-5 | 1.92 | 299.1 / 99.1 | 146504 | | 2.732 | 0.391 | 0.374 | Pass | 116.3 |
| 24 | PFPeS | 2706-91-4 | 2.56 | 349.1 / 80.1 | 376998 | | 2.583 | 0.312 | 0.314 | Pass | 109.9 |
| 25 | PFPeS_2 | 2706-91-4 | 2.56 | 349.1 / 99.1 | 117496 | | 2.564 | 0.312 | 0.314 | Pass | 109.1 |
| 26 | PFHxS | 355-46-4 | 3.09 | 399.1 / 80.1 | 305154 | M5 | 2.290 | 0.318 | 0.306 | Pass | 100.4 |
| 27 | PFHxS_2 | 355-46-4 | 3.09 | 399.1 / 99.1 | 96925 | M5 | 2.512 | 0.318 | 0.306 | Pass | 110.2 |
| 28 | PFHpS | 375-92-8 | 3.56 | 449.1 / 80.1 | 319049 | | 2.426 | 0.311 | 0.316 | Pass | 101.9 |
| 29 | PFHpS_2 | 375-92-8 | 3.56 | 449.1 / 99.1 | 99272 | | 2.467 | 0.311 | 0.316 | Pass | 103.7 |
| 30 | PFOS | 1763-23-1 | 4.00 | 499.1 / 80.1 | 364503 | M5 | 2.279 | 0.263 | 0.244 | Pass | 98.2 |
| 31 | PFOS_2 | 1763-23-1 | 4.00 | 499.1 / 99.1 | 95872 | M5 | 2.385 | 0.263 | 0.244 | Pass | 102.8 |
| 32 | PFNS | 68259-12-1 | 4.41 | 549.1 / 80.1 | 279311 | | 2.565 | 0.301 | 0.294 | Pass | 106.9 |
| 33 | PFNS_2 | 68259-12-1 | 4.41 | 549.1 / 99.1 | 84114 | | 2.702 | 0.301 | 0.294 | Pass | 112.6 |
| 34 | PFDS | 335-77-3 | 4.81 | 599.1 / 80.1 | 281780 | | 2.633 | 0.273 | 0.290 | Pass | 109.3 |
| 35 | PFDS_2 | 335-77-3 | 4.81 | 599.1 / 99.1 | 76924 | | 2.546 | 0.273 | 0.290 | Pass | 105.6 |
| 36 | PFDoS | 79780-39-5 | 5.55 | 699.2 / 80.1 | 250510 | | 2.570 | 0.247 | 0.256 | Pass | 106.2 |
| 37 | PFDoS_2 | 79780-39-5 | 5.55 | 699.2 / 99.1 | 61998 | | 2.467 | 0.247 | 0.256 | Pass | 102.0 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 38 | 4:2FTS | 757124-72-4 | 1.71 | 327.1 / 307.1 | 331902 | | 10.404 | 0.631 | 0.650 | Pass | 111.0 |
| 39 | 4:2FTS_2 | 757124-72-4 | 1.71 | 327.1 / 81.1 | 209438 | | 10.172 | 0.631 | 0.650 | Pass | 108.6 |
| 40 | 6:2FTS | 27619-97-2 | 2.80 | 427.2 / 407.2 | 303189 | | 11.105 | 0.615 | 0.620 | Pass | 116.8 |
| 41 | 6:2FTS_2 | 27619-97-2 | 2.80 | 427.2 / 81.1 | 186372 | | 10.650 | 0.615 | 0.620 | Pass | 112.0 |
| 42 | 8:2FTS | 39108-34-4 | 3.67 | 527.2 / 507.2 | 245593 | | 11.579 | 0.669 | 0.676 | Pass | 120.6 |
| 43 | 8:2FTS_2 | 39108-34-4 | 3.67 | 527.2 / 81.1 | 164401 | | 11.260 | 0.669 | 0.676 | Pass | 117.3 |
| 44 | PFOSA | 754-91-6 | 5.24 | 498.1 / 78.1 | 453787 | M5 | 2.588 | 0.024 | 0.026 | Pass | 103.5 |
| 45 | PFOSA_2 | 754-91-6 | 5.24 | 498.1 / 478.0 | 10916 | M5 | 2.409 | 0.024 | 0.026 | Pass | 96.4 |
| 46 | NMeFOSA | 31506-32-8 | 5.98 | 512.2 / 219.0 | 116243 | M5 | 2.626 | 1.394 | 1.377 | Pass | 105.0 |
| 47 | NMeFOSA_2 | 31506-32-8 | 5.93 | 512.2 / 169.0 | 162042 | M5 | 2.634 | 1.394 | 1.377 | Pass | 105.4 |
| 48 | NEtFOSA | 4151-50-2 | 6.27 | 526.2 / 219.0 | 115462 | | 2.699 | 1.253 | 1.292 | Pass | 108.0 |
| 49 | NEtFOSA_2 | 4151-50-2 | 6.23 | 526.2 / 169.0 | 144728 | | 2.711 | 1.253 | 1.292 | Pass | 108.5 |
| 50 | NMeFOSAA | 2355-31-9 | 3.98 | 570.2 / 419.1 | 63717 | M5 | 2.644 | 0.799 | 0.697 | Pass | 105.8 |
| 51 | NMeFOSAA_2 | 2355-31-9 | 3.98 | 570.2 / 483.0 | 50918 | M5 | 2.941 | 0.799 | 0.697 | Pass | 117.6 |
| 52 | NEtFOSAA | 2991-50-6 | 4.19 | 584.2 / 419.1 | 59240 | M5 | 2.509 | 0.548 | 0.557 | Pass | 100.4 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | NEtFOSAA_2 | 2991-50-6 | 4.19 | 584.2 / 526.2 | 32491 | M5 | 2.497 | 0.548 | 0.557 | Pass | 99.9 |
| 54 | NMeFOSE | 24448-09-7 | 5.84 | 616.1 / 58.9 | 1728162 | M5 | 26.082 | N/A | N/A | N/A | 104.3 |
| 55 | NEtFOSE | 1691-99-2 | 6.14 | 630.0 / 58.9 | 2460257 | M5 | 26.761 | N/A | N/A | N/A | 107.1 |
| 56 | HFPO-DA | 13252-13-6 | 2.13 | 285.0 / 169.0 | 1572905 | | 10.457 | 0.538 | 0.501 | Pass | 104.6 |
| 57 | HFPO-DA_2 | 13252-13-6 | 2.13 | 285.0 / 184.9 | 845739 | | 10.664 | 0.538 | 0.501 | Pass | 106.6 |
| 58 | ADONA | 919005-14-4 | 2.68 | 376.9 / 251.0 | 2939003 | | 10.795 | 0.645 | 0.691 | Pass | 114.2 |
| 59 | ADONA_2 | 919005-14-4 | 2.68 | 376.9 / 84.8 | 1896337 | | 10.514 | 0.645 | 0.691 | Pass | 111.3 |
| 60 | 9Cl-PF3ONS | 756426-58-1 | 4.28 | 530.8 / 351.1 | 2946967 | | 10.811 | 0.333 | 0.332 | Pass | 115.9 |
| 61 | 9Cl-PF3ONS_2 | 756426-58-1 | 4.28 | 532.8 / 353.0 | 981537 | | 10.833 | 0.333 | 0.332 | Pass | 116.1 |
| 62 | 11Cl-PF3OUdS | 763051-92-9 | 5.07 | 630.9 / 451.0 | 2566254 | | 11.133 | 0.313 | 0.322 | Pass | 118.1 |
| 63 | 11Cl-PF3OUdS_2 | 763051-92-9 | 5.07 | 632.9 / 452.9 | 802472 | | 10.845 | 0.313 | 0.322 | Pass | 115.0 |
| 64 | 3:3FTCA | 356-02-5 | 1.56 | 241.1 / 177.1 | 143001 | | 12.878 | 1.037 | 1.010 | Pass | 103.0 |
| 65 | 3:3FTCA_2 | 356-02-5 | 1.56 | 241.1 / 117.0 | 148294 | | 12.299 | 1.037 | 1.010 | Pass | 98.4 |
| 66 | 5:3FTCA | 914637-49-3 | 3.03 | 341.1 / 237.1 | 3069698 | | 70.916 | 1.003 | 1.017 | Pass | 113.5 |
| 67 | 5:3FTCA_2 | 914637-49-3 | 3.03 | 341.1 / 217.0 | 3078799 | | 70.592 | 1.003 | 1.017 | Pass | 113.0 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 7:3FTCA | 812-70-4 | 4.06 | 441.1 / 316.9 | 2437617 | | 66.149 | 1.420 | 1.343 | Pass | 105.8 |
| 69 | 7:3FTCA_2 | 812-70-4 | 4.06 | 441.1 / 337.1 | 3461790 | | 71.065 | 1.420 | 1.343 | Pass | 113.7 |
| 70 | PFEESA | 113507-82-7 | 2.22 | 315.1 / 135.0 | 2143172 | | 4.764 | 0.086 | 0.081 | Pass | 106.8 |
| 71 | PFEESA_2 | 113507-82-7 | 2.22 | 315.1 / 82.9 | 183524 | | 4.960 | 0.086 | 0.081 | Pass | 111.2 |
| 72 | PFMPA | 377-73-1 | 0.75 | 229.0 / 85.0 | 834661 | | 5.149 | N/A | N/A | N/A | 103.0 |
| 73 | PFMBA | 863090-89-5 | 1.44 | 279.0 / 85.0 | 850980 | | 5.170 | N/A | N/A | N/A | 103.4 |
| 74 | NFDHA | 151772-58-6 | 1.84 | 295.0 / 201.0 | 645647 | | 5.483 | 0.714 | 0.681 | Pass | 109.7 |
| 75 | NFDHA_2 | 151772-58-6 | 1.84 | 295.0 / 84.9 | 461183 | | 5.534 | 0.714 | 0.681 | Pass | 110.7 |
| 76 | TDCA | 516-50-7 | N/A | 499.1 / 124.1 | N/A | | N/A | N/A | 5.680 | N/A | N/A |
| 77 | TDCA_2 | 516-50-7 | N/A | 499.1 / 79.9 | N/A | | N/A | N/A | 5.680 | N/A | N/A |
| 78 | 13C2D4-4:2FTS | Surr | 1.70 | 333.2 / 312.1 | 111521 | | 4.063 | N/A | N/A | N/A | 81.3 |
| 79 | 13C2-PFOA | Surr | 2.98 | 415.0 / 370.0 | 323036 | | 2.432 | N/A | N/A | N/A | 97.3 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C4-PFBA | EIS | 0.59 | 217.0 / 172.0 | 1734014 | | 9.452 | NA | NA | NA | 94.5 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C5-PFPeA | EIS | 1.17 | 268.0 / 223.0 | 749255 | | 4.970 | NA | NA | NA | 99.4 |
| | 13C5-PFHxA | EIS | 1.91 | 318.0 / 273.0 | 337944 | | 2.384 | NA | NA | NA | 95.4 |
| | 13C4-PFHpA | EIS | 2.49 | 367.0 / 322.0 | 318100 | | 2.327 | NA | NA | NA | 93.1 |
| | 13C8-PFOA | EIS | 2.98 | 420.8 / 376.0 | 590918 | | 2.474 | NA | NA | NA | 99.0 |
| | 13C9-PFNA | EIS | 3.43 | 472.0 / 427.0 | 251699 | | 1.151 | NA | NA | NA | 92.1 |
| | 13C6-PFDA | EIS | 3.85 | 519.0 / 474.0 | 282550 | | 1.175 | NA | NA | NA | 94.0 |
| | 13C7-PFUnA | EIS | 4.25 | 570.0 / 525.0 | 311128 | | 1.173 | NA | NA | NA | 93.8 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C2-PFDoA | EIS | 4.64 | 615.1 / 570.0 | 307064 | | 1.151 | NA | NA | NA | 92.1 |
| | 13C2-PFTeDA | EIS | 5.39 | 715.1 / 670.1 | 195365 | | 1.129 | NA | NA | NA | 90.3 |
| | 13C3-PFBS | EIS | 1.91 | 302.1 / 80.1 | 337284 | | 2.167 | NA | NA | NA | 93.0 |
| | 13C3-PFHxS | EIS | 3.09 | 402.1 / 80.1 | 304978 | | 2.204 | NA | NA | NA | 93.0 |
| | 13C8-PFOS | EIS | 4.00 | 507.1 / 80.1 | 335550 | | 2.234 | NA | NA | NA | 93.1 |
| | 13C2-4:2FTS | EIS | 1.71 | 329.1 / 81.1 | 97208 | | 4.234 | NA | NA | NA | 90.3 |
| | 13C2-6:2FTS | EIS | 2.80 | 429.2 / 81.1 | 80793 | | 4.087 | NA | NA | NA | 85.9 |
| | 13C2-8:2FTS | EIS | 3.67 | 529.2 / 81.1 | 76511 | | 3.823 | NA | NA | NA | 79.6 |

| Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| 13C8-PFOSA | EIS | 5.23 | 506.1 / 78.1 | 547515 | | 2.296 | NA | NA | NA | 91.8 |
| d3-NMeFOSA | EIS | 5.97 | 515.2 / 219.0 | 98735 | | 2.293 | NA | NA | NA | 91.7 |
| d5-NEtFOSA | EIS | 6.26 | 531.2 / 219.0 | 87785 | | 2.242 | NA | NA | NA | 89.7 |
| d3-NMeFOSAA | EIS | 3.97 | 573.2 / 419.1 | 132565 | | 4.500 | NA | NA | NA | 90.0 |
| d5-NEtFOSAA | EIS | 4.18 | 589.3 / 419.1 | 108895 | | 4.625 | NA | NA | NA | 92.5 |
| d7-NMeFOSE | EIS | 5.82 | 623.2 / 58.9 | 731185 | | 23.608 | NA | NA | NA | 94.4 |
| d9-NEtFOSE | EIS | 6.12 | 639.2 / 58.9 | 973204 | | 23.424 | NA | NA | NA | 93.7 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C3-HFPO-DA | EIS | 2.12 | 287.0 / 169.0 | 1484236 | | 9.900 | NA | NA | NA | 99.0 |
| | 13C3-PFBA | NIS | 0.59 | 216.0 / 172.0 | 811731 | | 5.601 | NA | NA | NA | 112.0 |
| | 13C2-PFHxA | NIS | 1.91 | 315.0 / 270.0 | 417363 | | 2.575 | NA | NA | NA | 103.0 |
| | 13C4-PFOA | NIS | 2.98 | 417.0 / 372.0 | 362989 | | 2.525 | NA | NA | NA | 101.0 |
| | 13C5-PFNA | NIS | 3.43 | 468.0 / 423.0 | 273972 | | 1.329 | NA | NA | NA | 106.4 |
| | 13C2-PFDA | NIS | 3.85 | 515.1 / 470.1 | 280549 | | 1.319 | NA | NA | NA | 105.5 |
| | 18O2-PFHxS | NIS | 3.09 | 403.1 / 84.1 | 290981 | | 2.472 | NA | NA | NA | 104.3 |
| | 13C4-PFOS | NIS | 3.99 | 503.1 / 80.1 | 302162 | | 2.513 | NA | NA | NA | 104.7 |

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

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

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 6:51:07 AM
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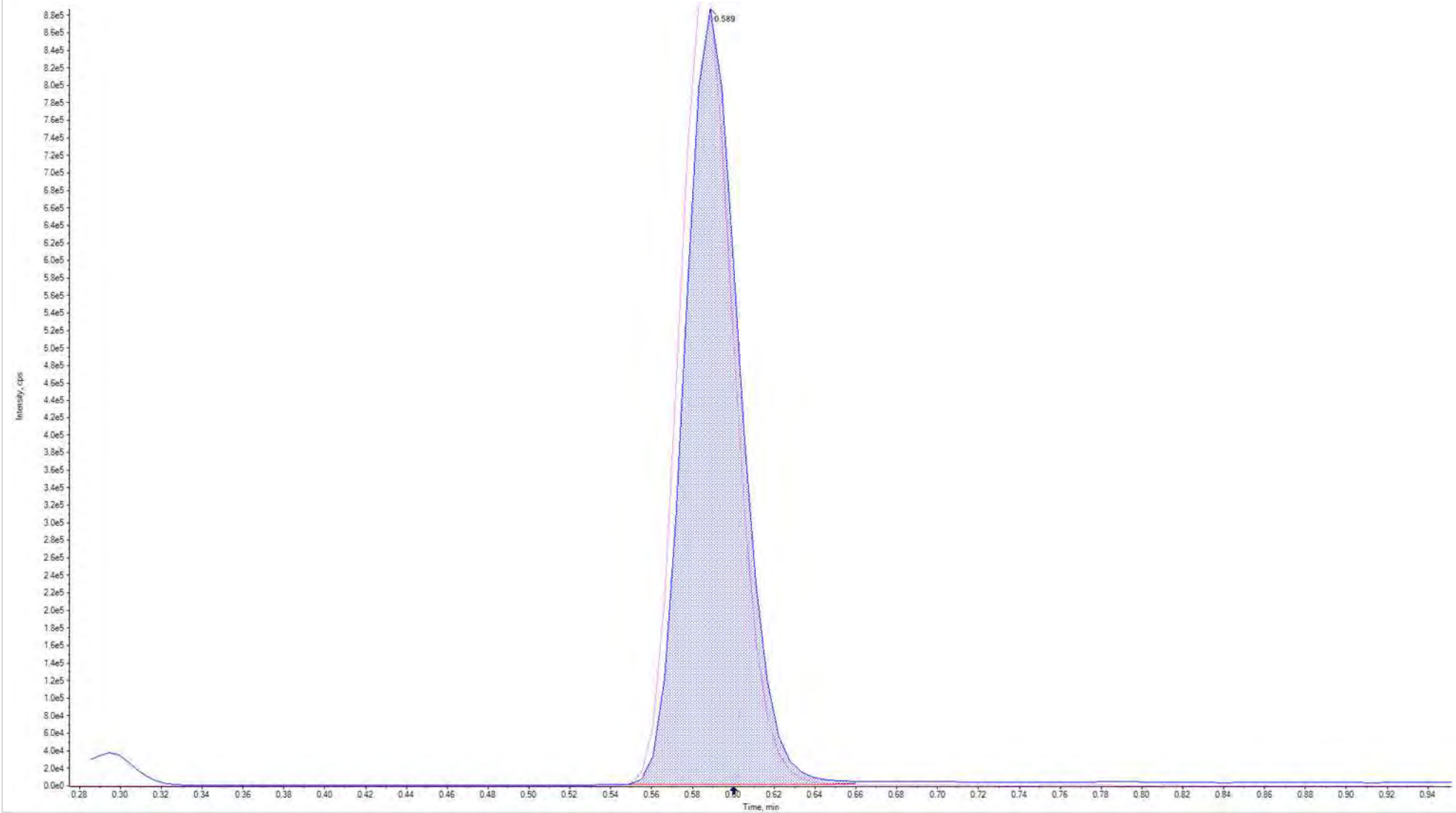
PFBA
Sample: IA1633STD-2.5 S/N:1595.4 Points Across peak:23



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Alpha Analytical LLC
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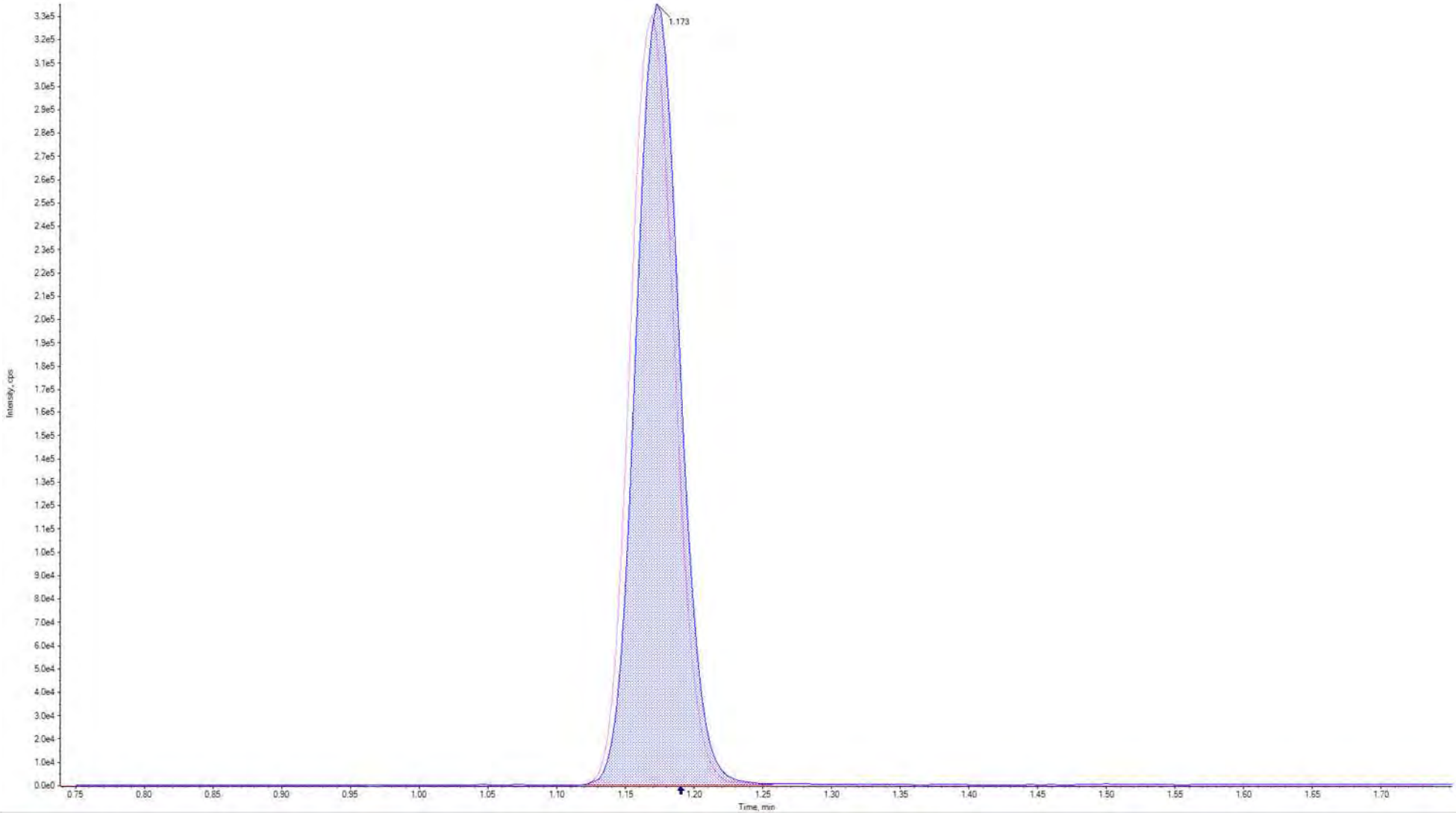
PFPeA
Sample: IA1633STD-2.5 S/N:4025.0 Points Across peak:46



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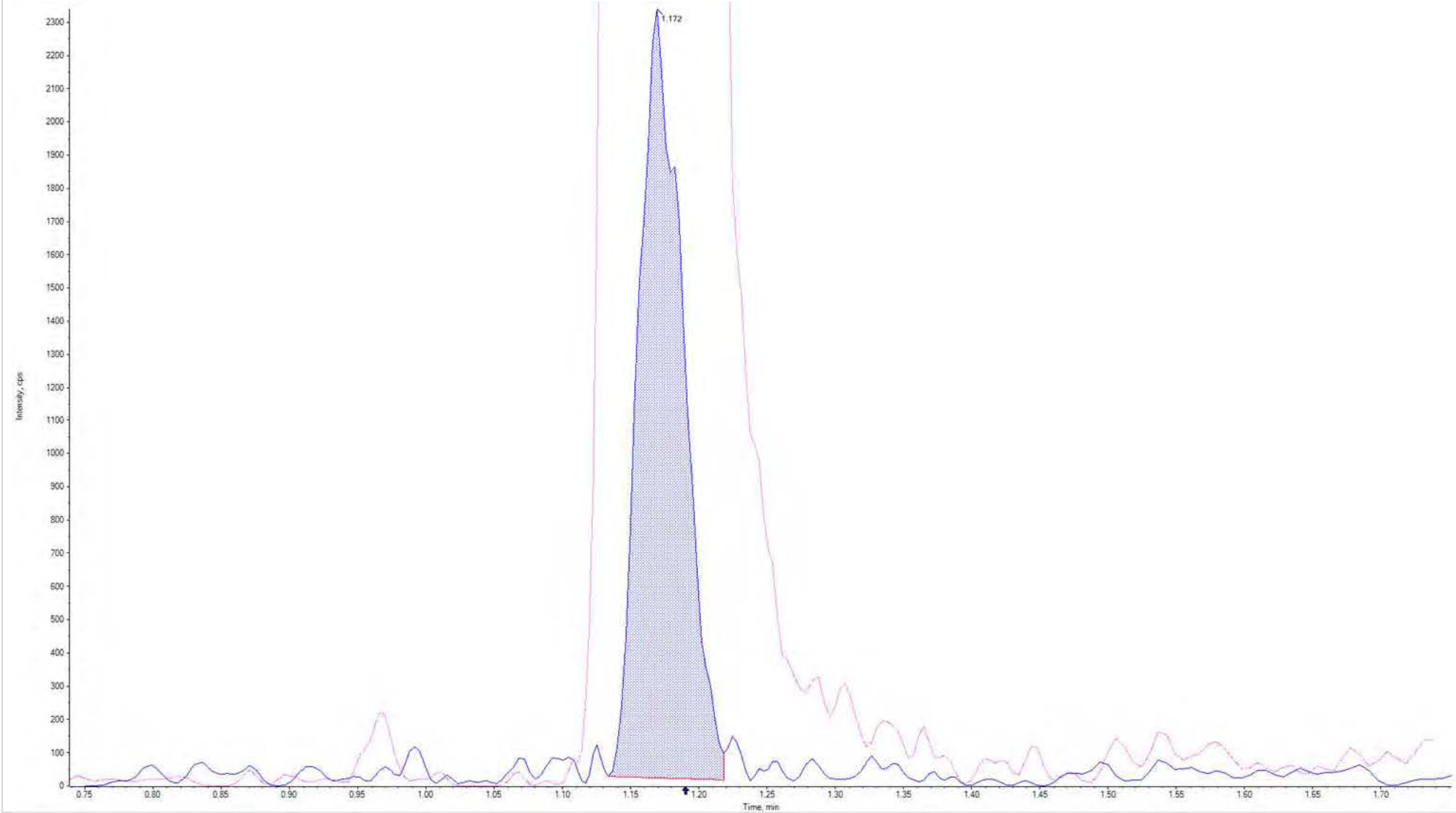
PFPeA_2
Sample: IA1633STD-2.5 S/N:139.3 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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Last Altered: 3/4/2025 6:51:07 AM
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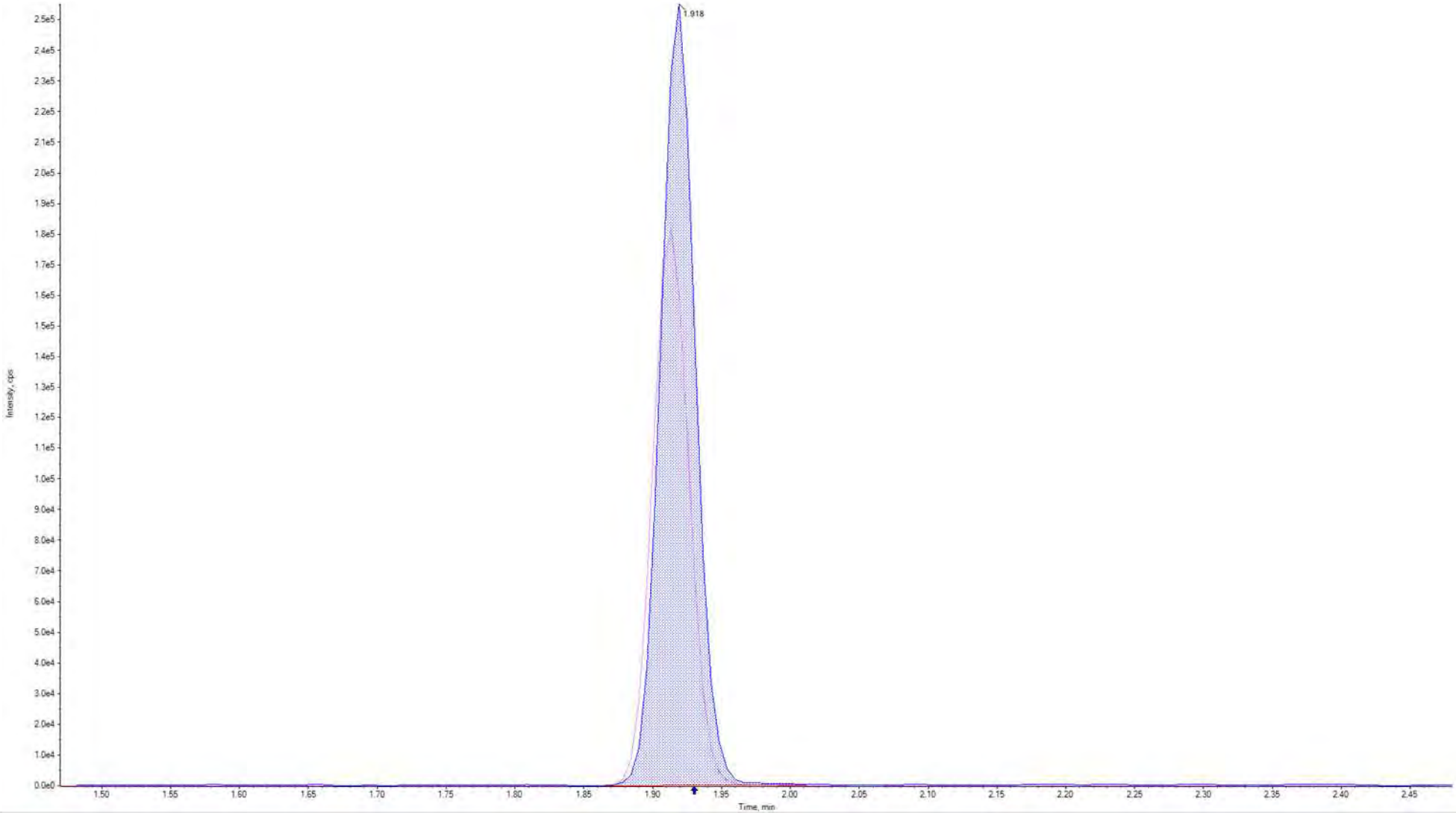
PFHxA
Sample: IA1633STD-2.5 S/N:3563.6 Points Across peak:27



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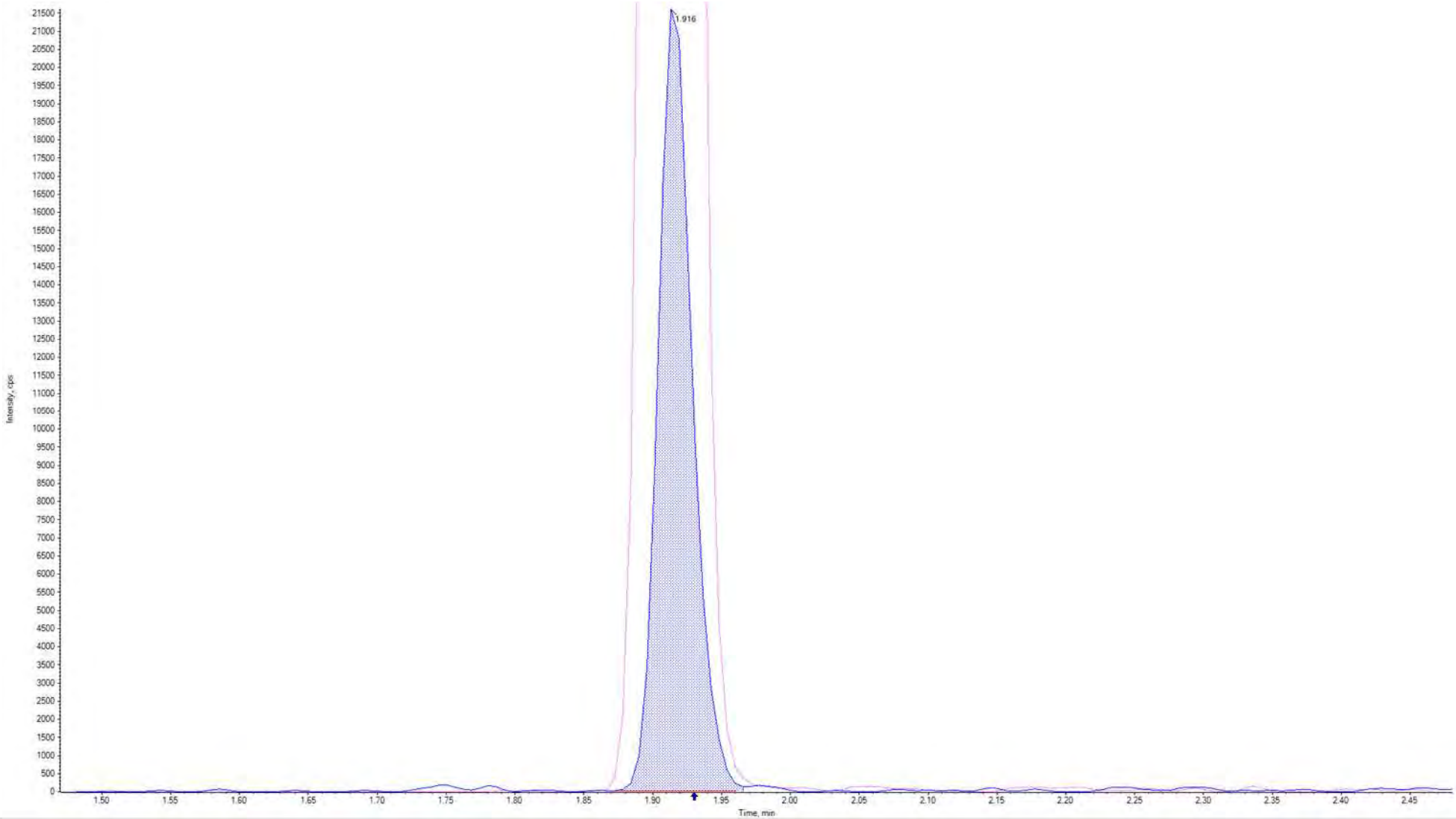
PFHxA_2
Sample: IA1633STD-2.5 S/N:541.2 Points Across peak:18



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Alpha Analytical LLC
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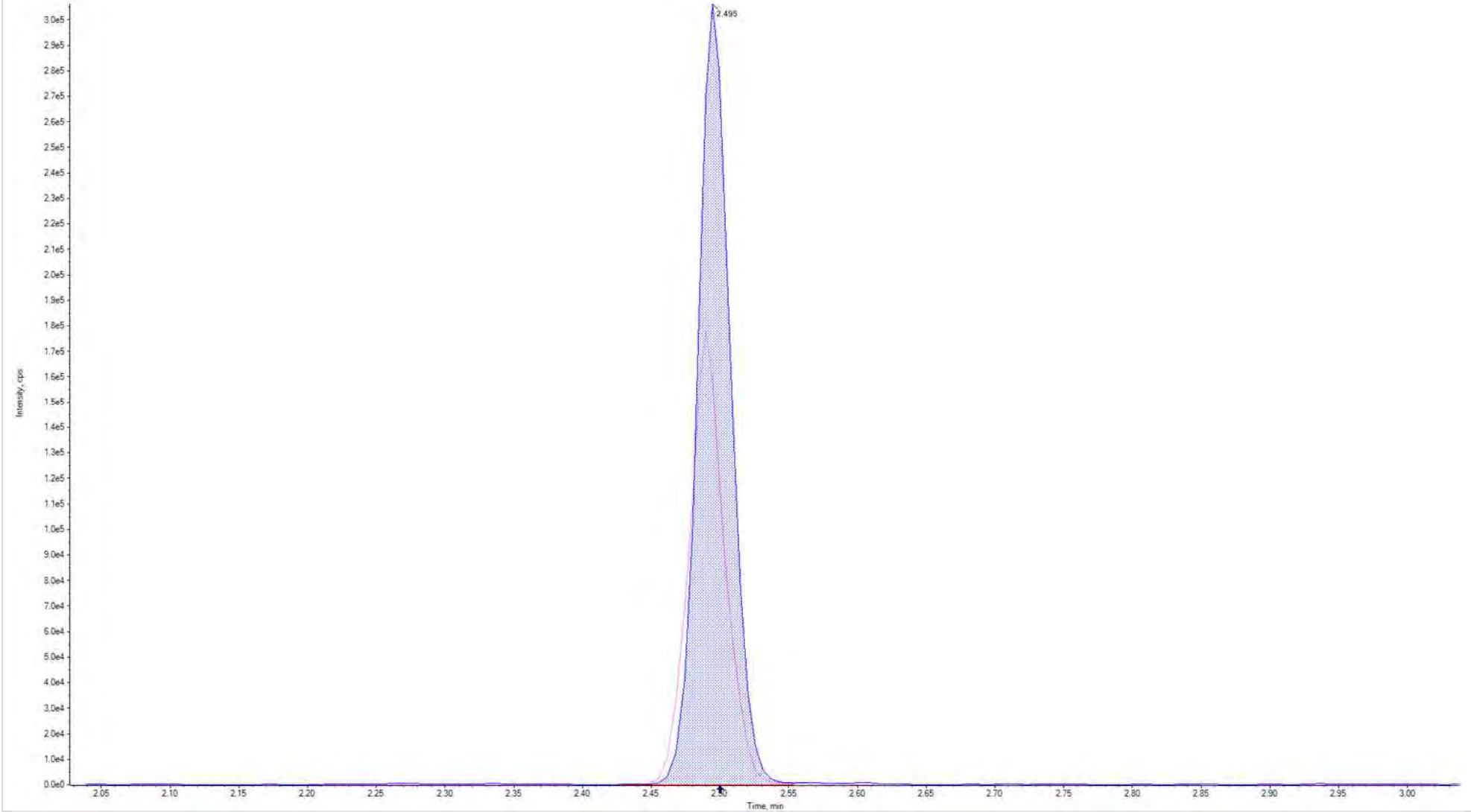
PFHpA
Sample: IA1633STD-2.5 S/N:3758.7 Points Across peak:27



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Alpha Analytical LLC
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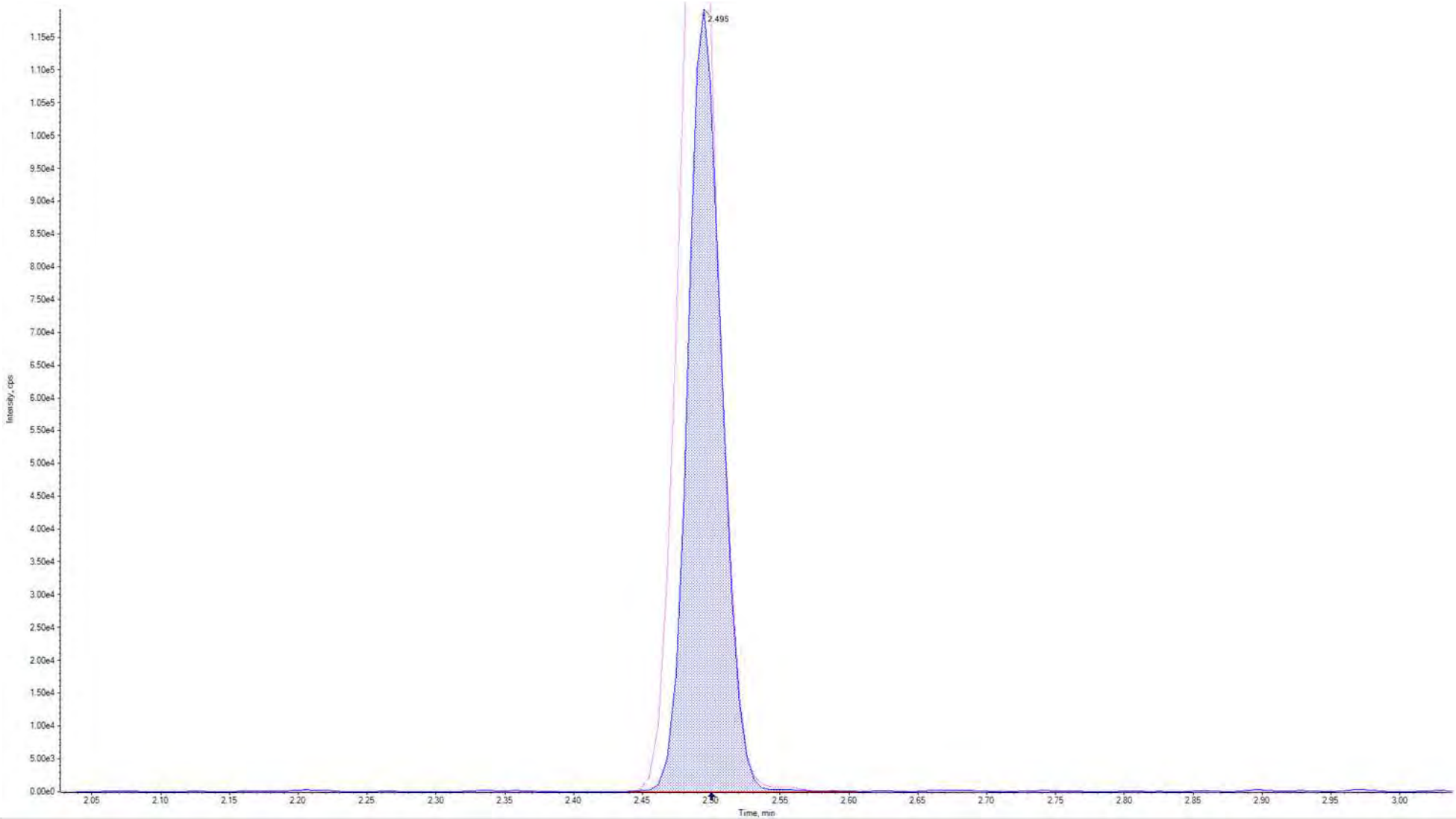
PFHpA_2
Sample: IA1633STD-2.5 S/N:2391.4 Points Across peak:34



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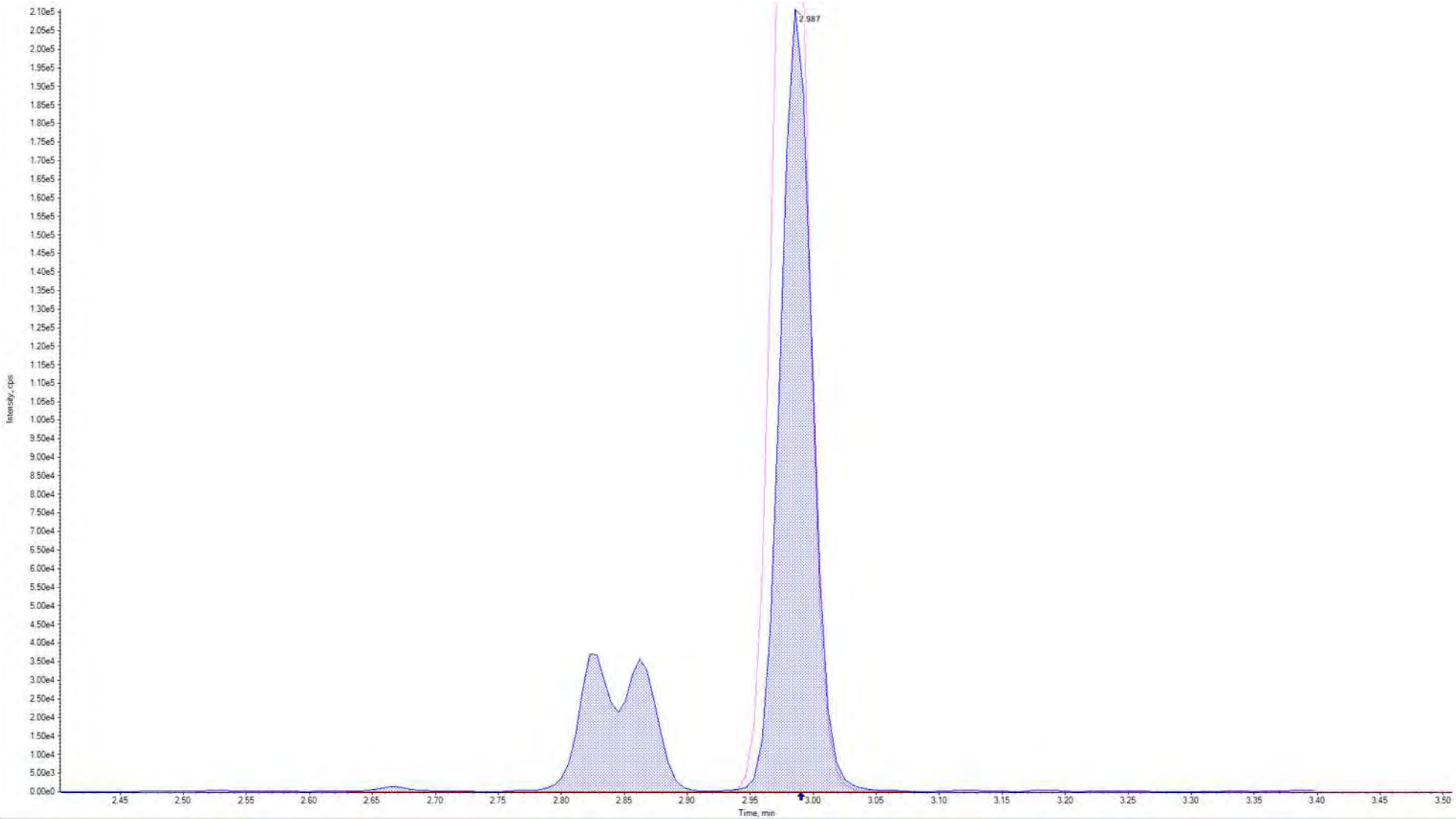
Generated: 3/3/2025 3:16:24 PM

PFOA
Sample: IA1633STD-2.5 S/N:670.6 Points Across peak:76



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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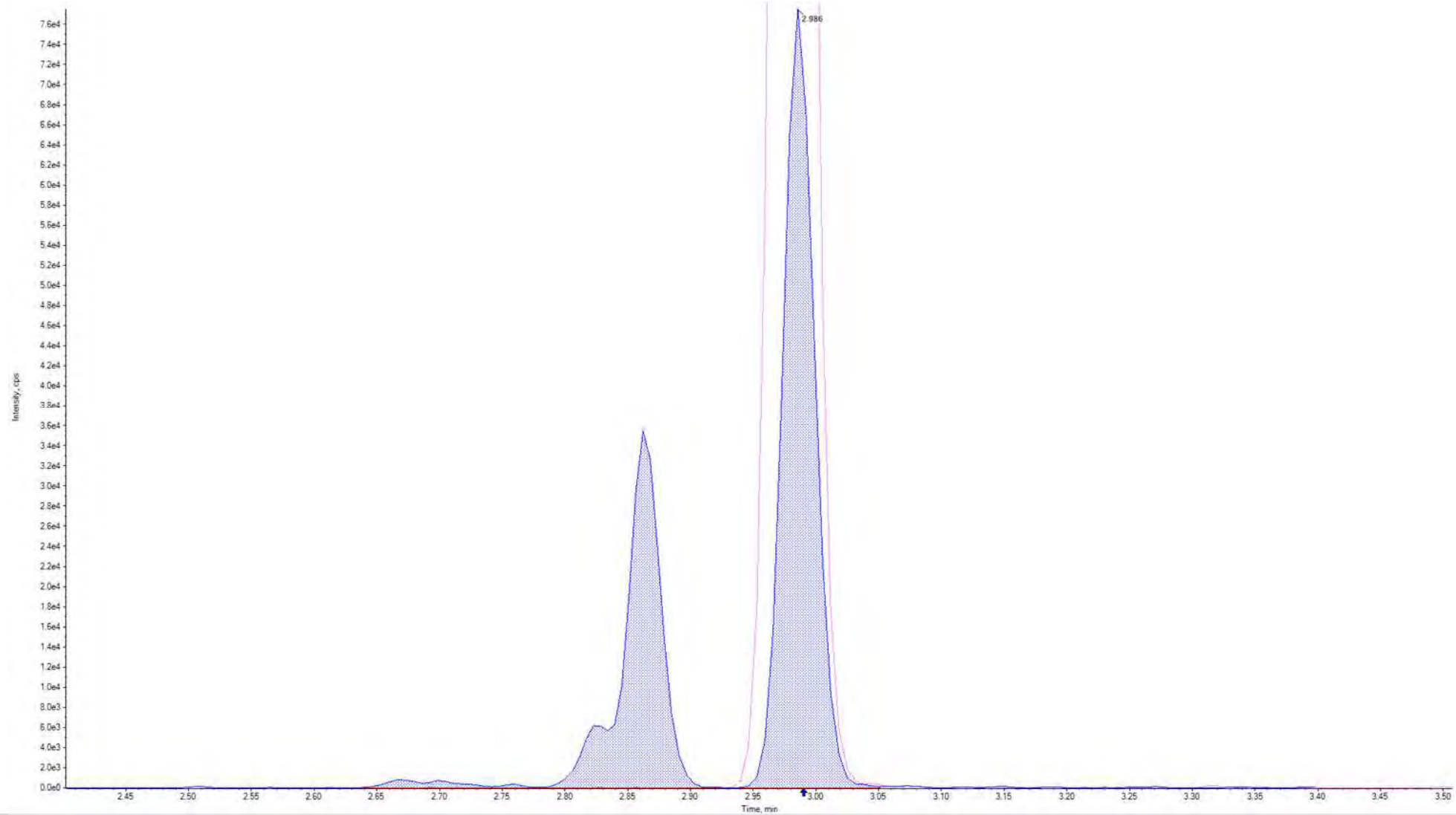
PFOA_2
Sample: IA1633STD-2.5 S/N:479.6 Points Across peak:70



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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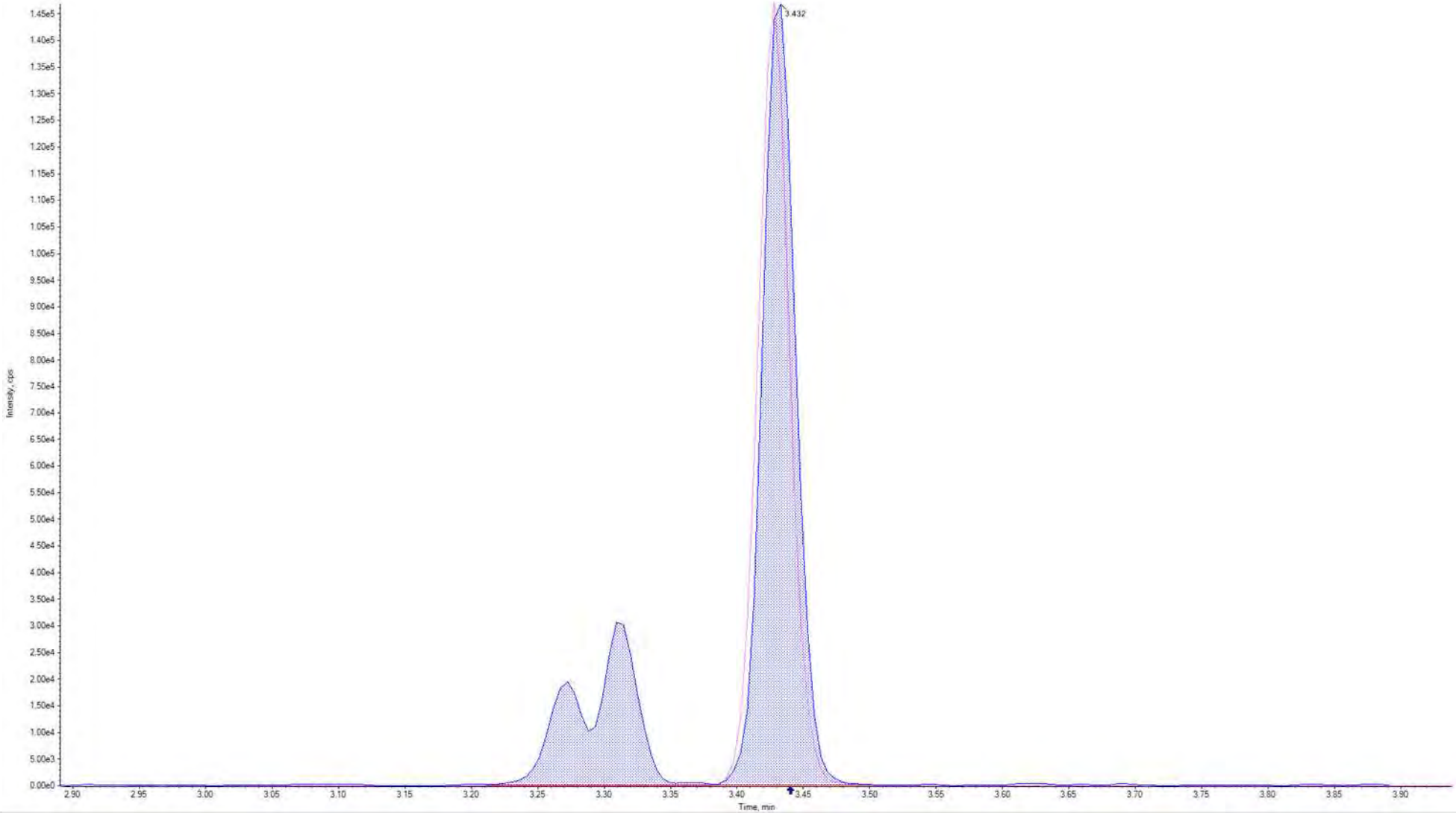
PFNA
Sample: IA1633STD-2.5 S/N:616.4 Points Across peak:59



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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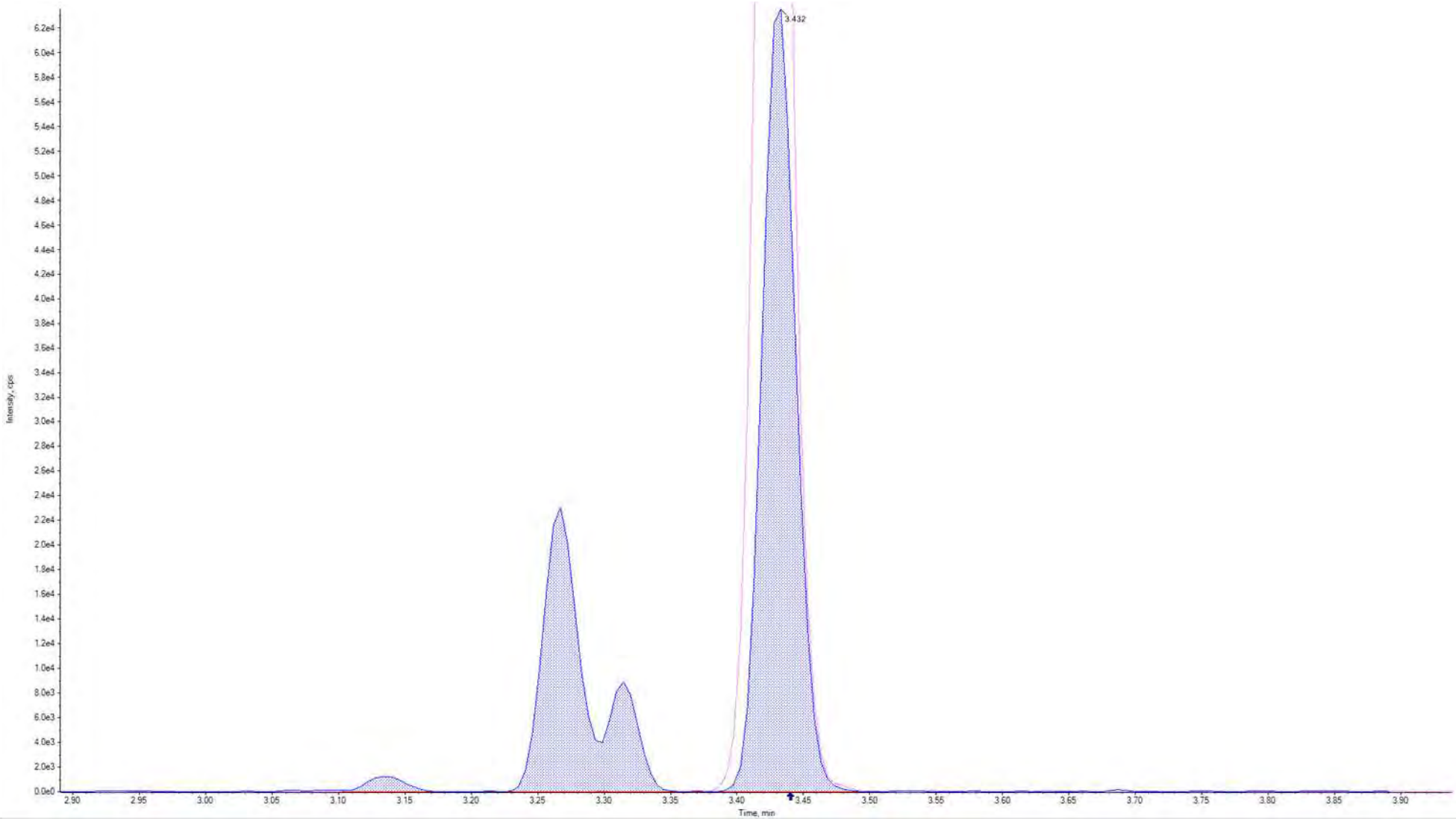
PFNA_2
Sample: IA1633STD-2.5 S/N:513.7 Points Across peak:76



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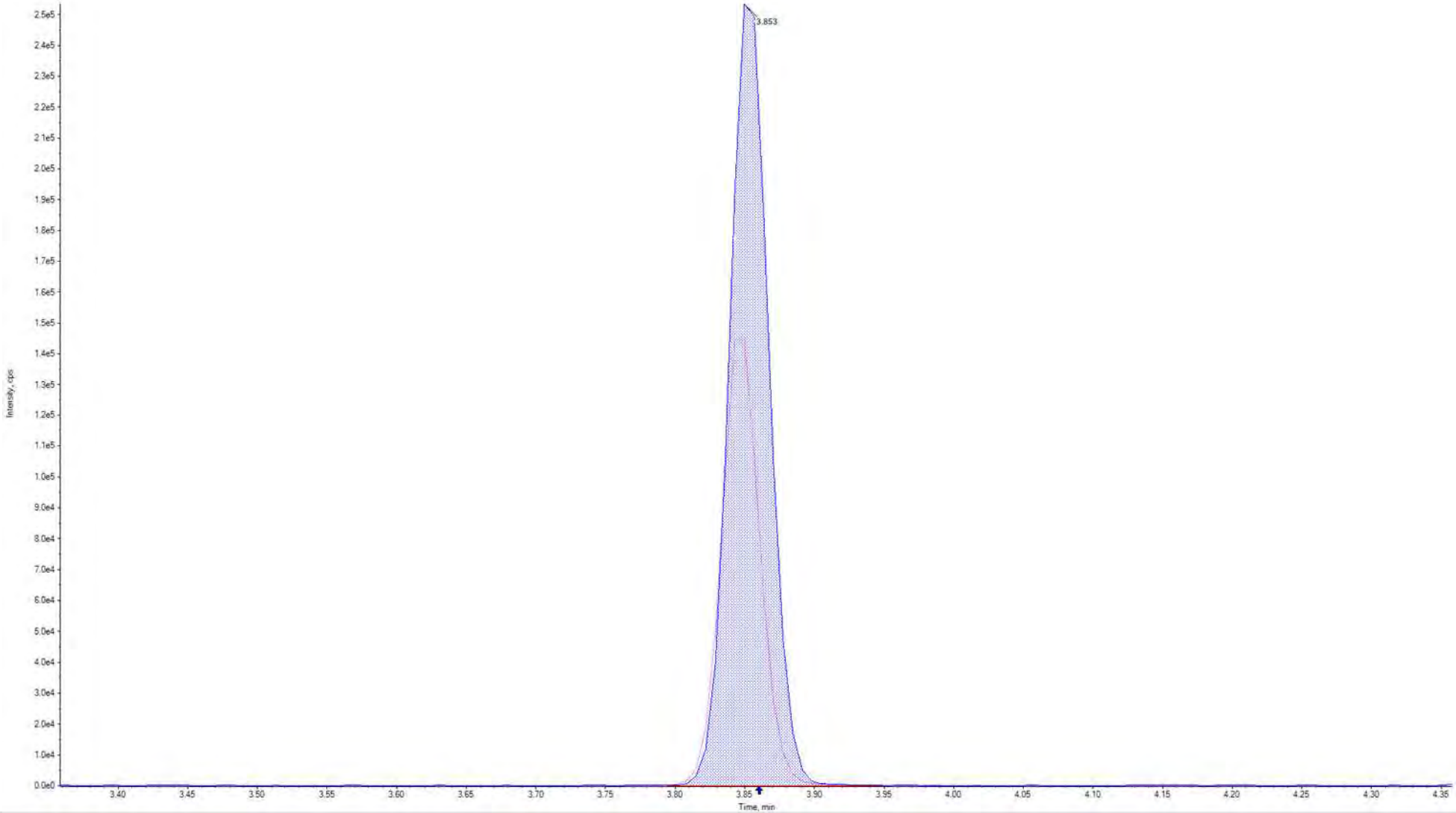
PFDA
Sample: IA1633STD-2.5 S/N:5080.9 Points Across peak:24



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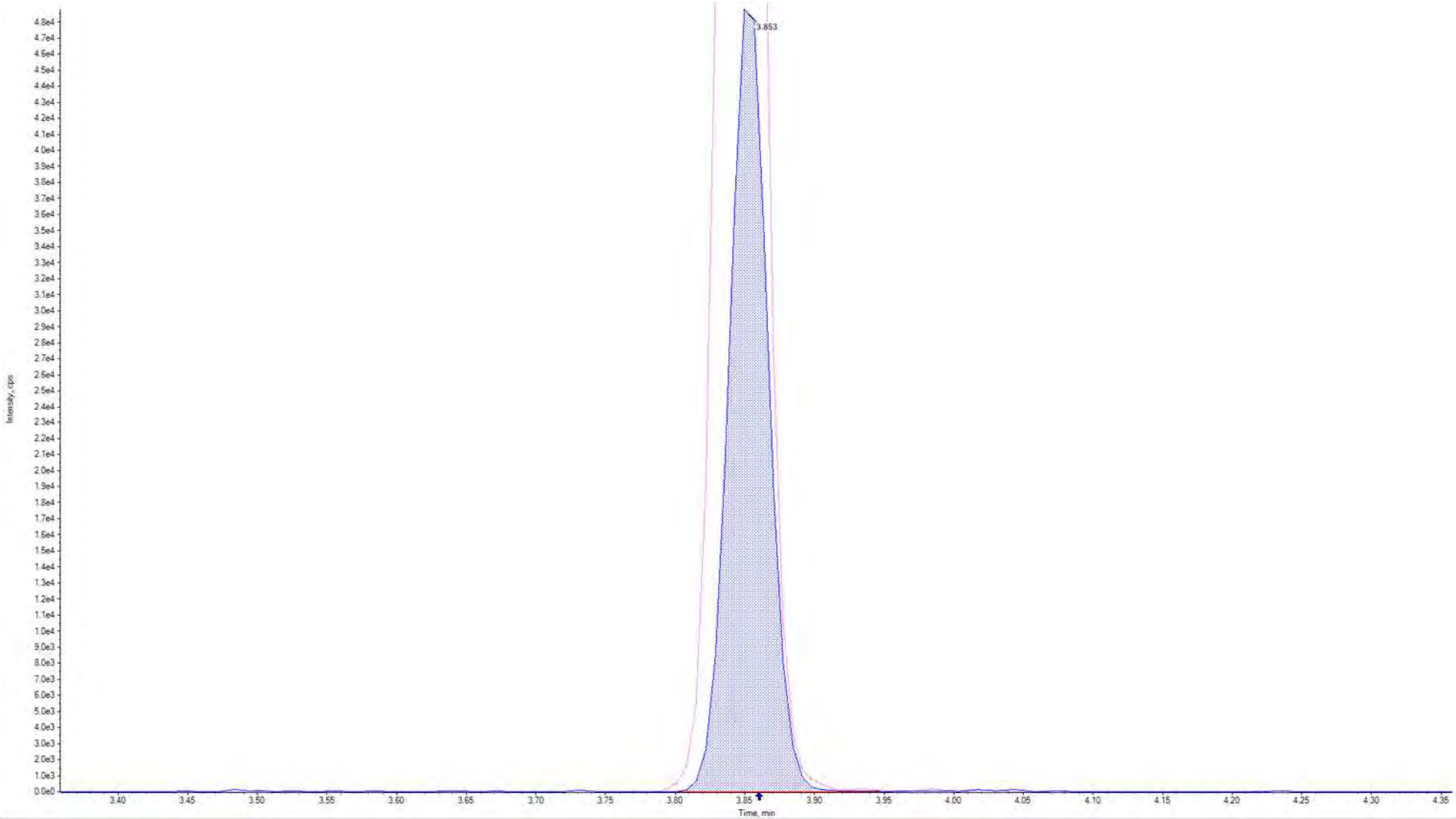
PFDA_2
Sample: IA1633STD-2.5 S/N:978.6 Points Across peak:27



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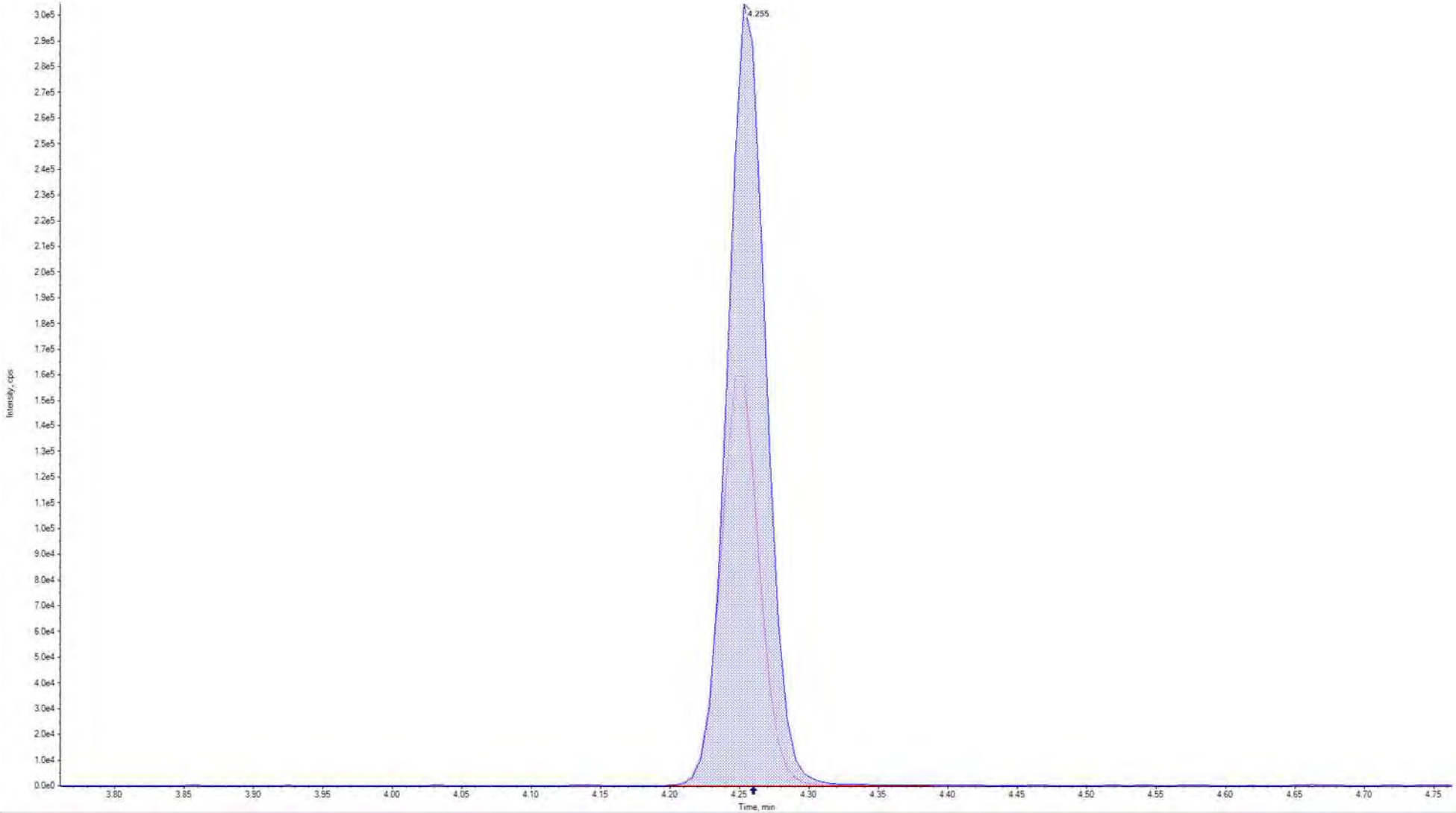
PFUnA
Sample: IA1633STD-2.5 S/N:6864.8 Points Across peak:32



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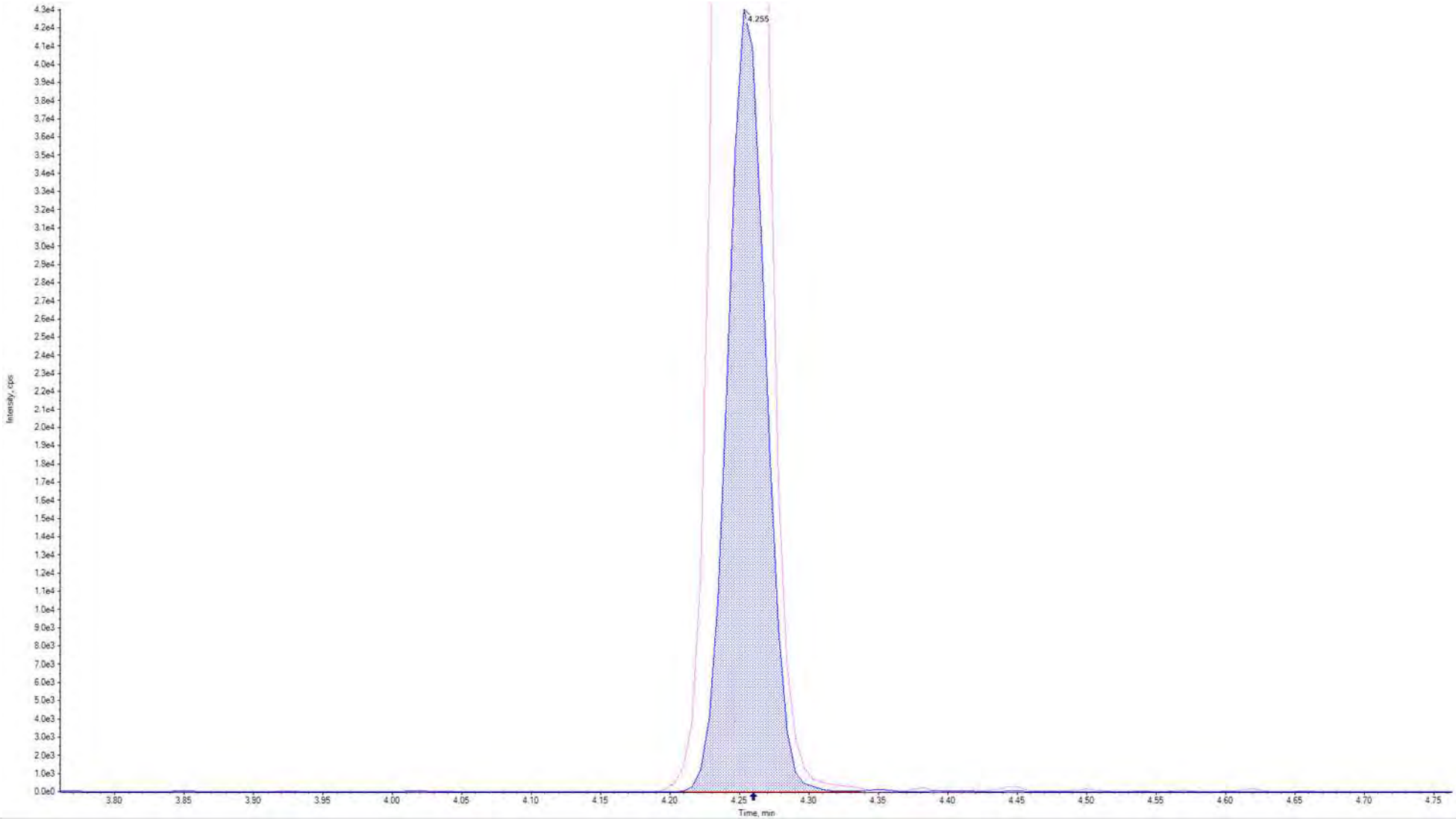
PFUnA_2
Sample: IA1633STD-2.5 S/N:970.6 Points Across peak:24



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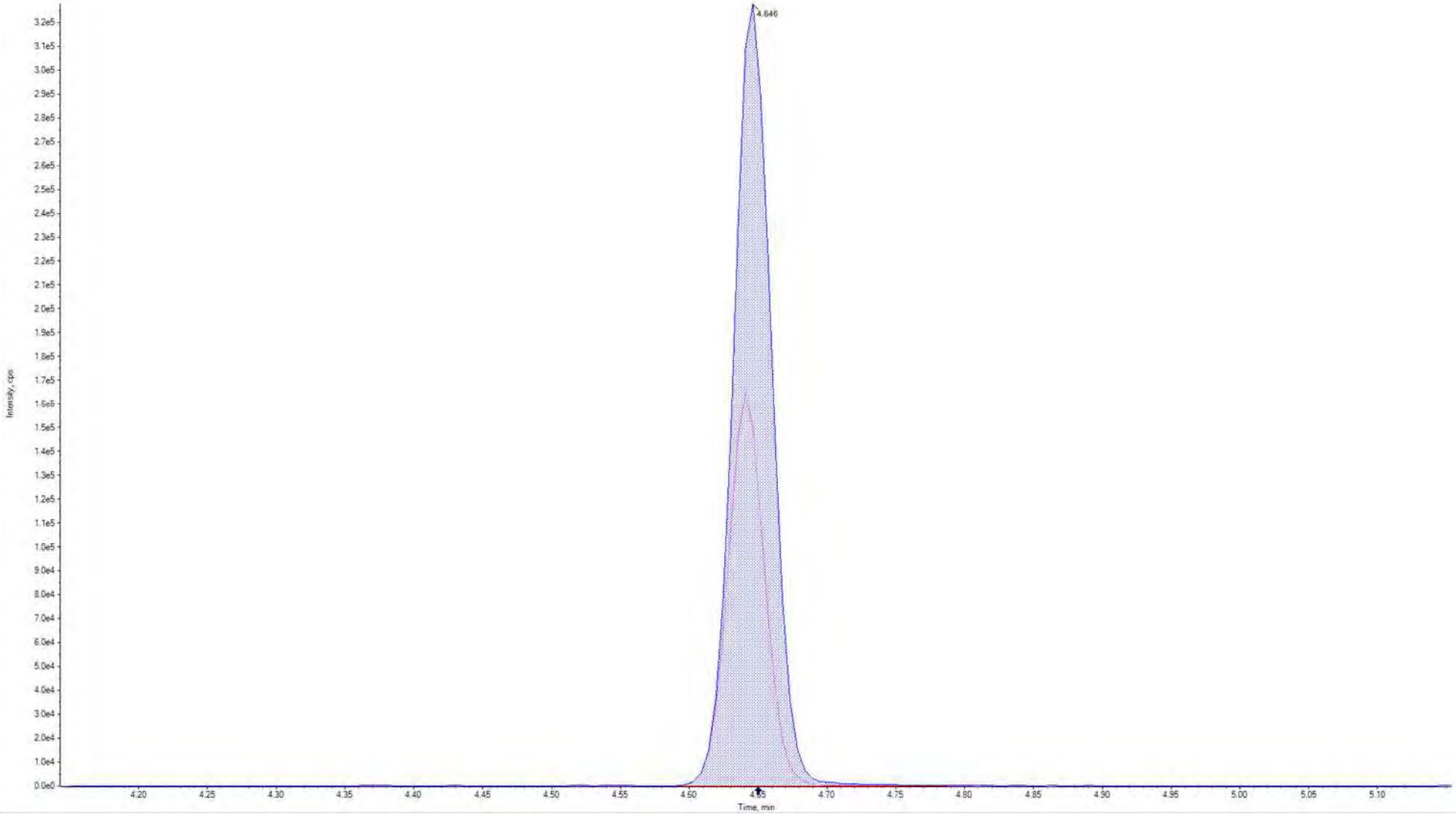
PFDoA
Sample: IA1633STD-2.5 S/N:9034.5 Points Across peak:38



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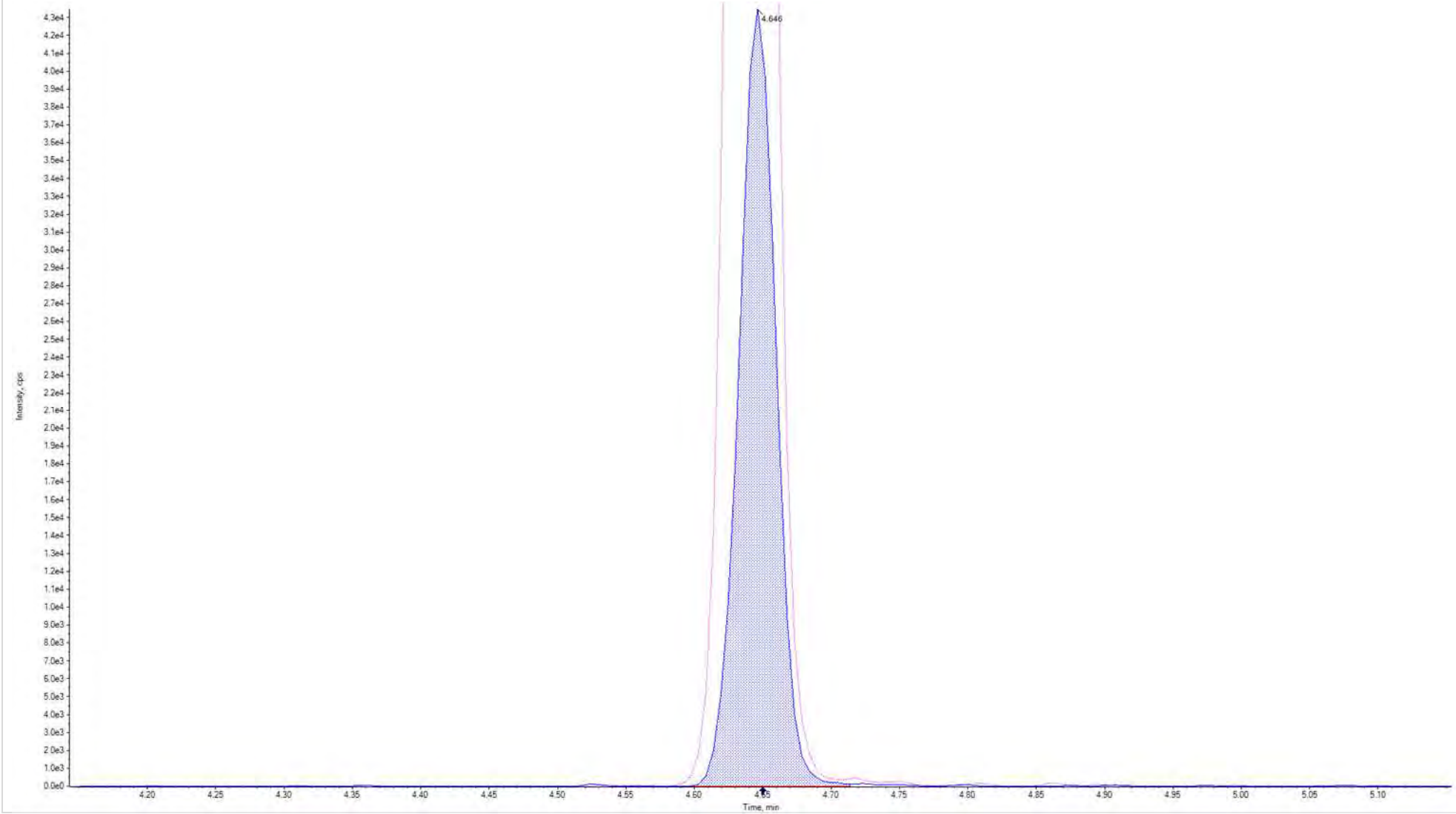
PFDoA_2
Sample: IA1633STD-2.5 S/N:1198.6 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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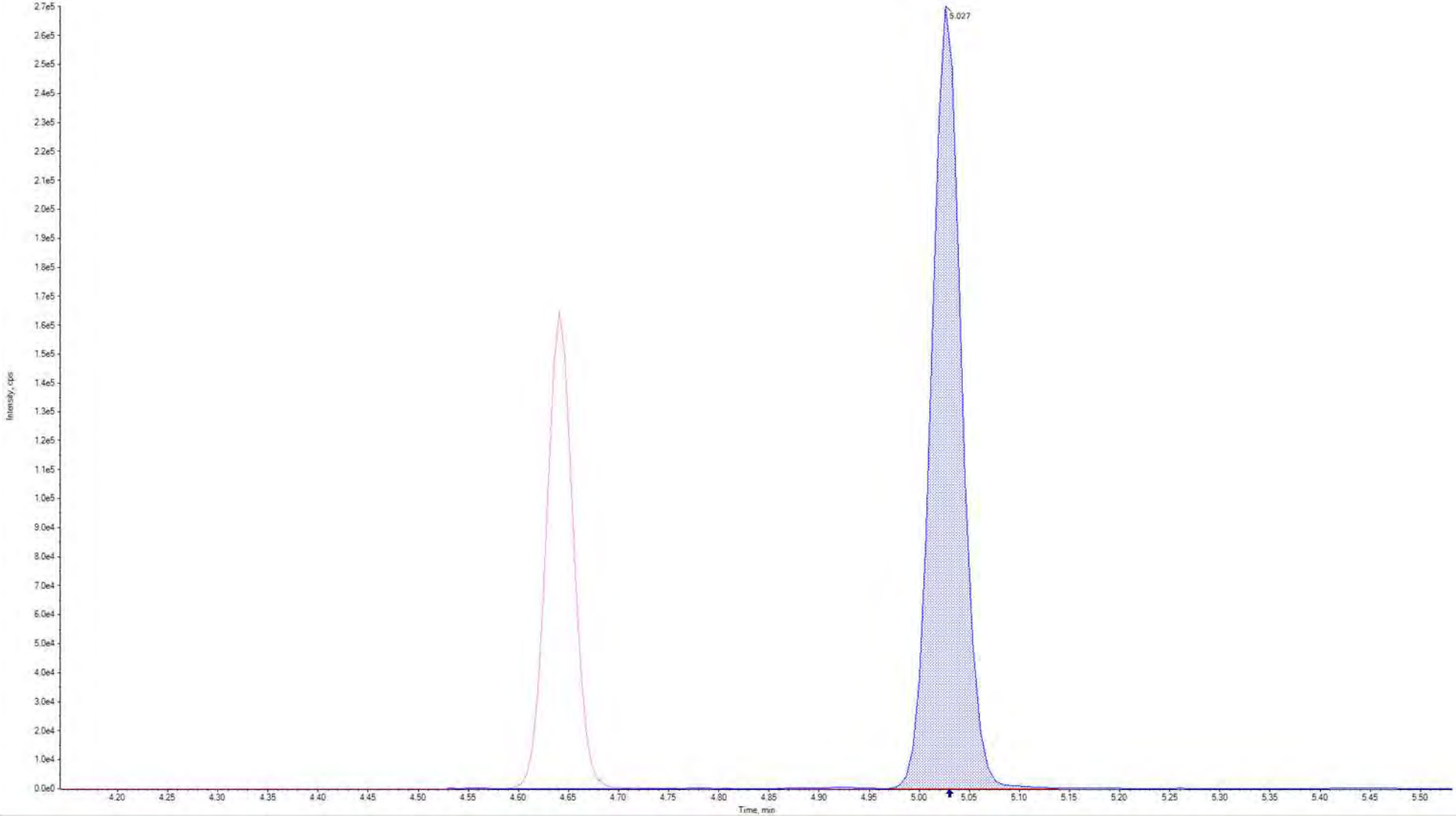
PFTrDA
Sample: IA1633STD-2.5 S/N:10830.1 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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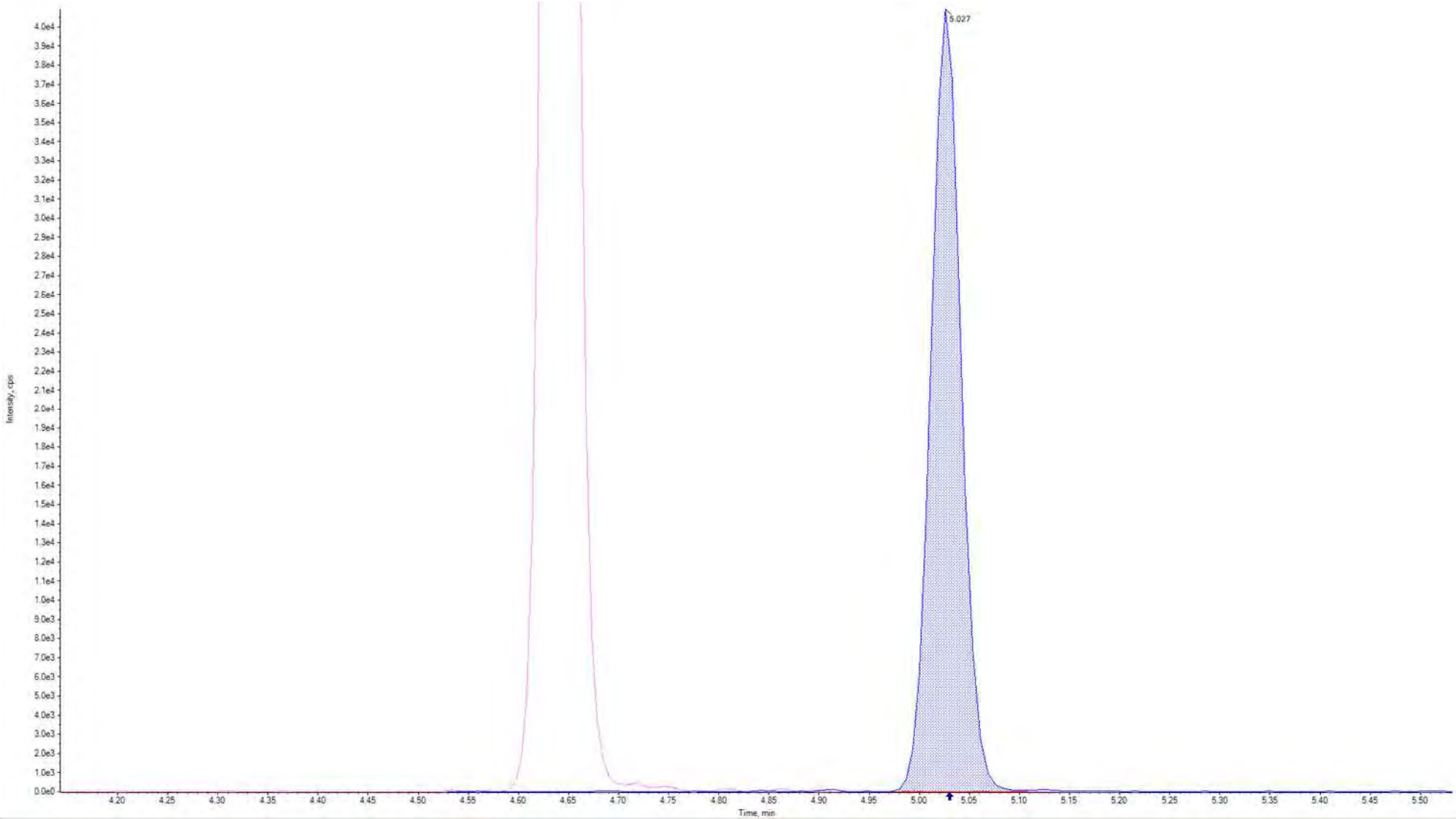
PFTrDA_2
Sample: IA1633STD-2.5 S/N:1641.5 Points Across peak:22



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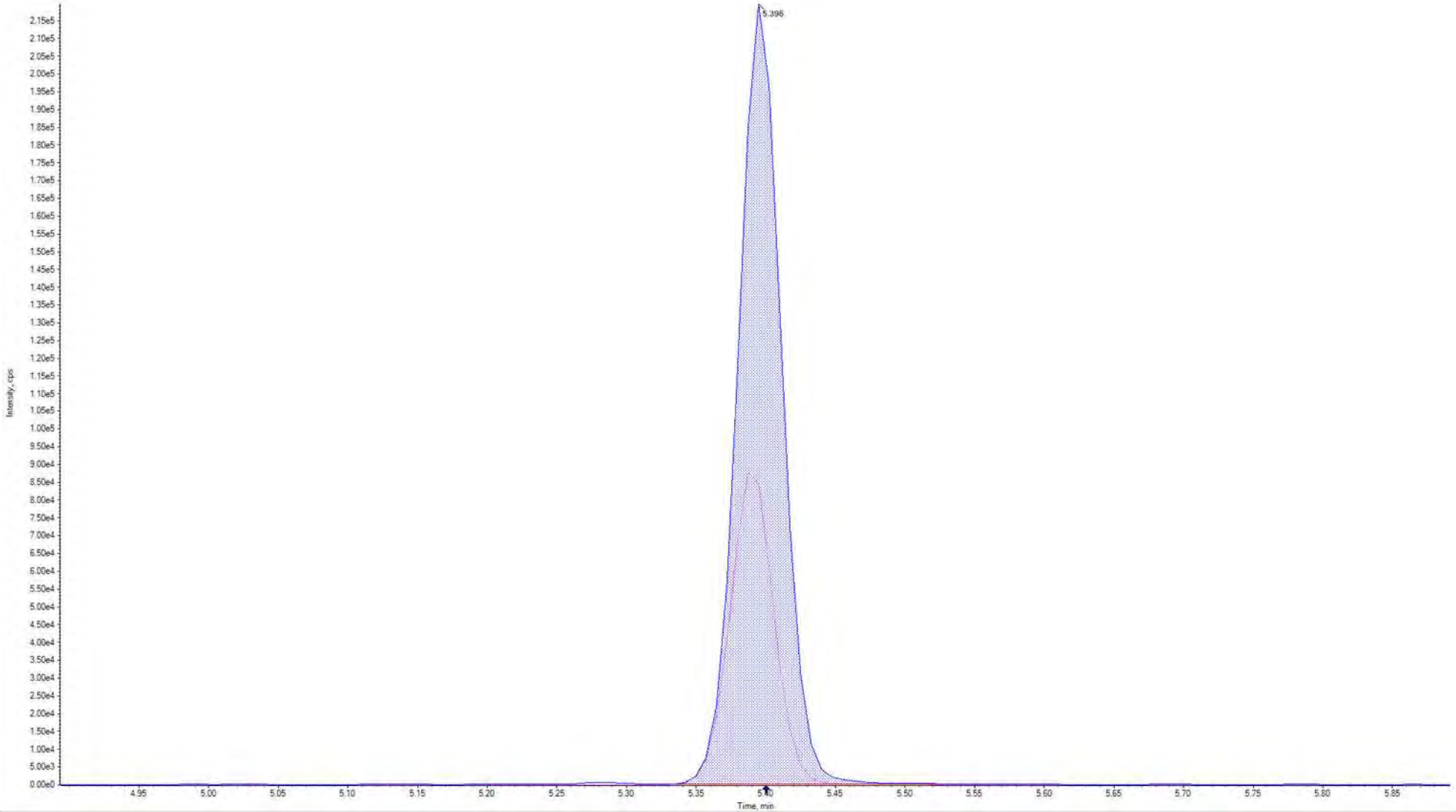
PFTeDA
Sample: IA1633STD-2.5 S/N:3420.6 Points Across peak:28



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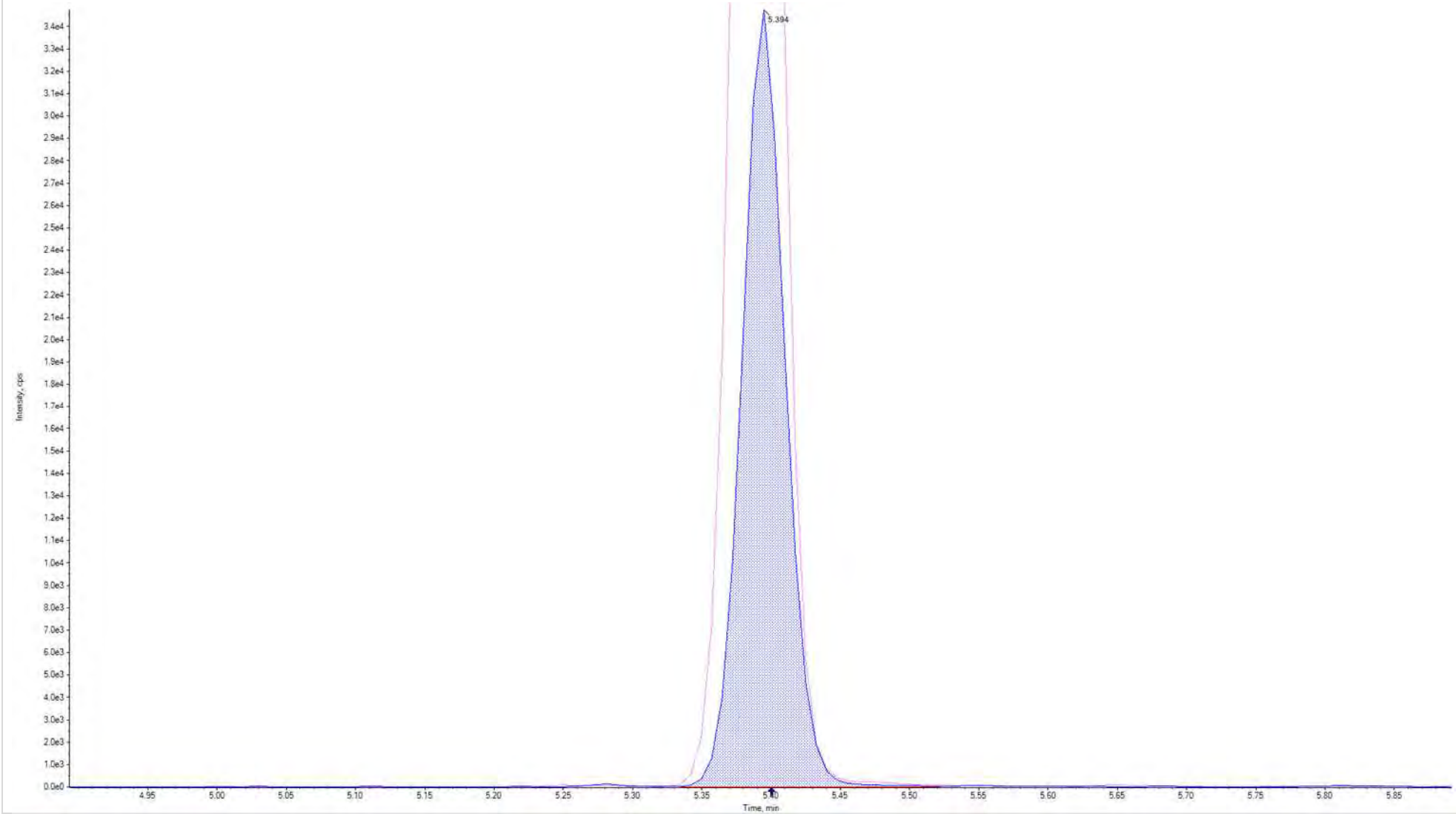
PFTeDA_2
Sample: IA1633STD-2.5 S/N:1329.0 Points Across peak:24



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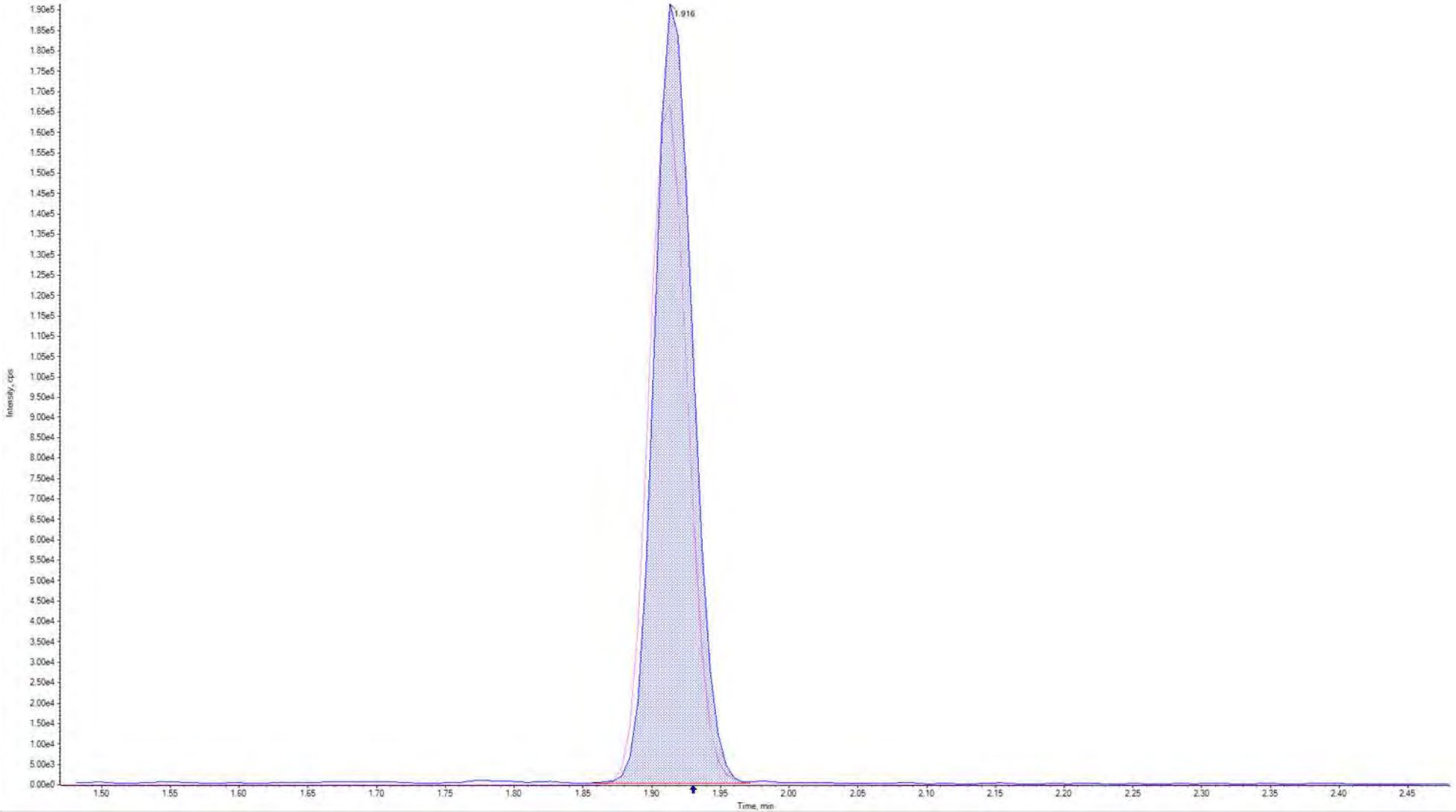
PFBS
Sample: IA1633STD-2.5 S/N:2212.3 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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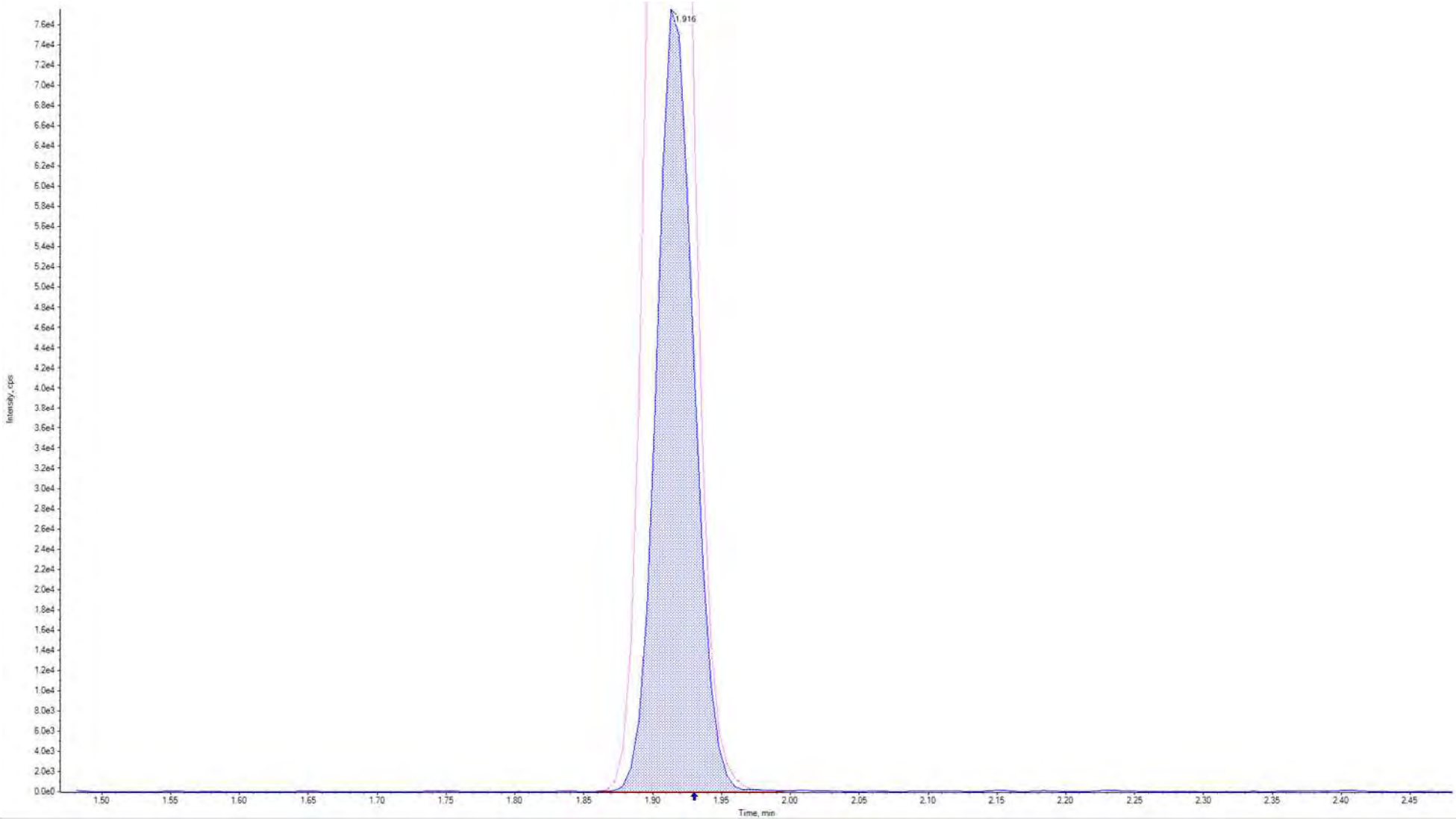
PFBS_2
Sample: IA1633STD-2.5 S/N:1943.2 Points Across peak:26



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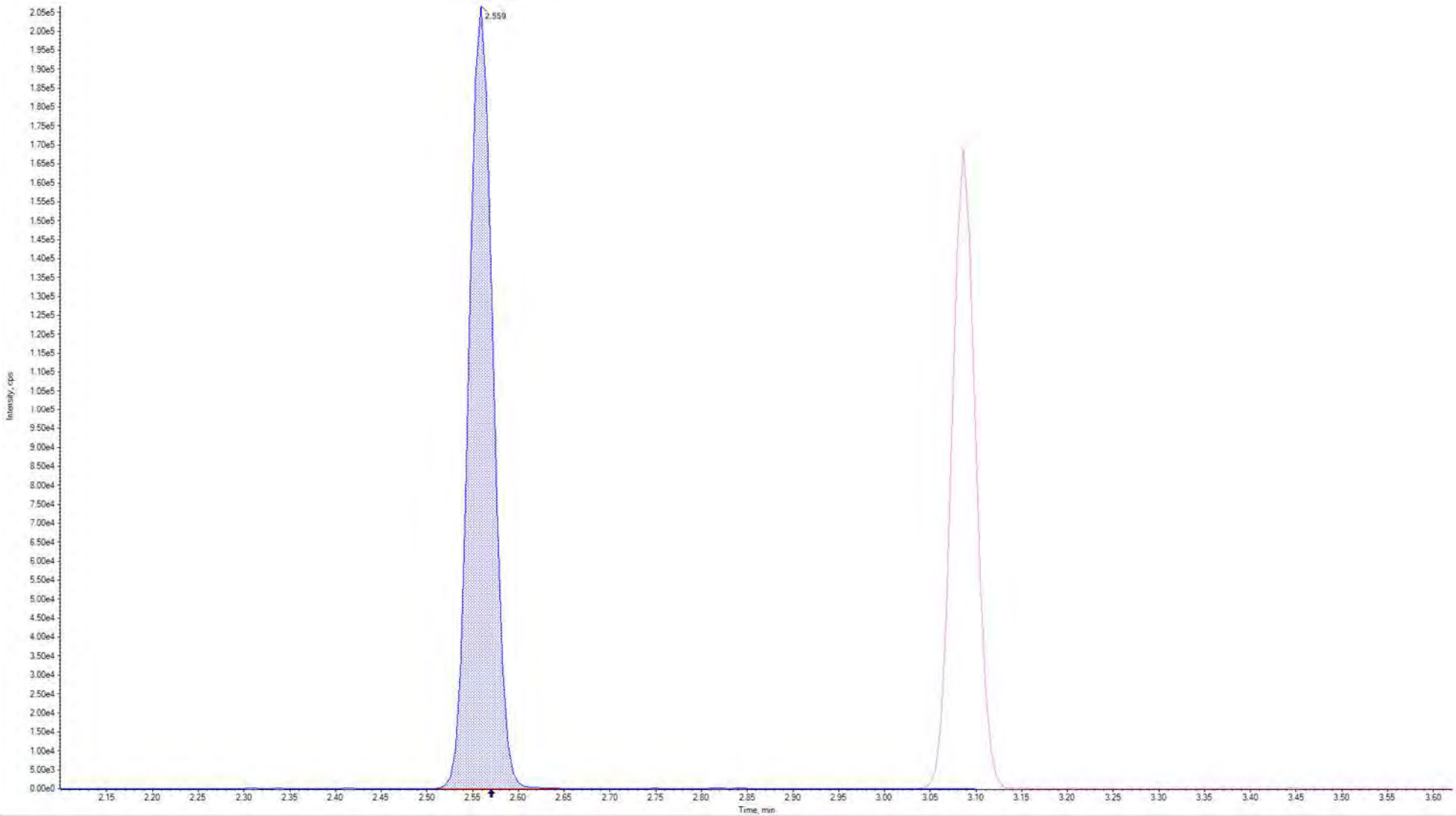
PFPeS
Sample: IA1633STD-2.5 S/N:2993.4 Points Across peak:32



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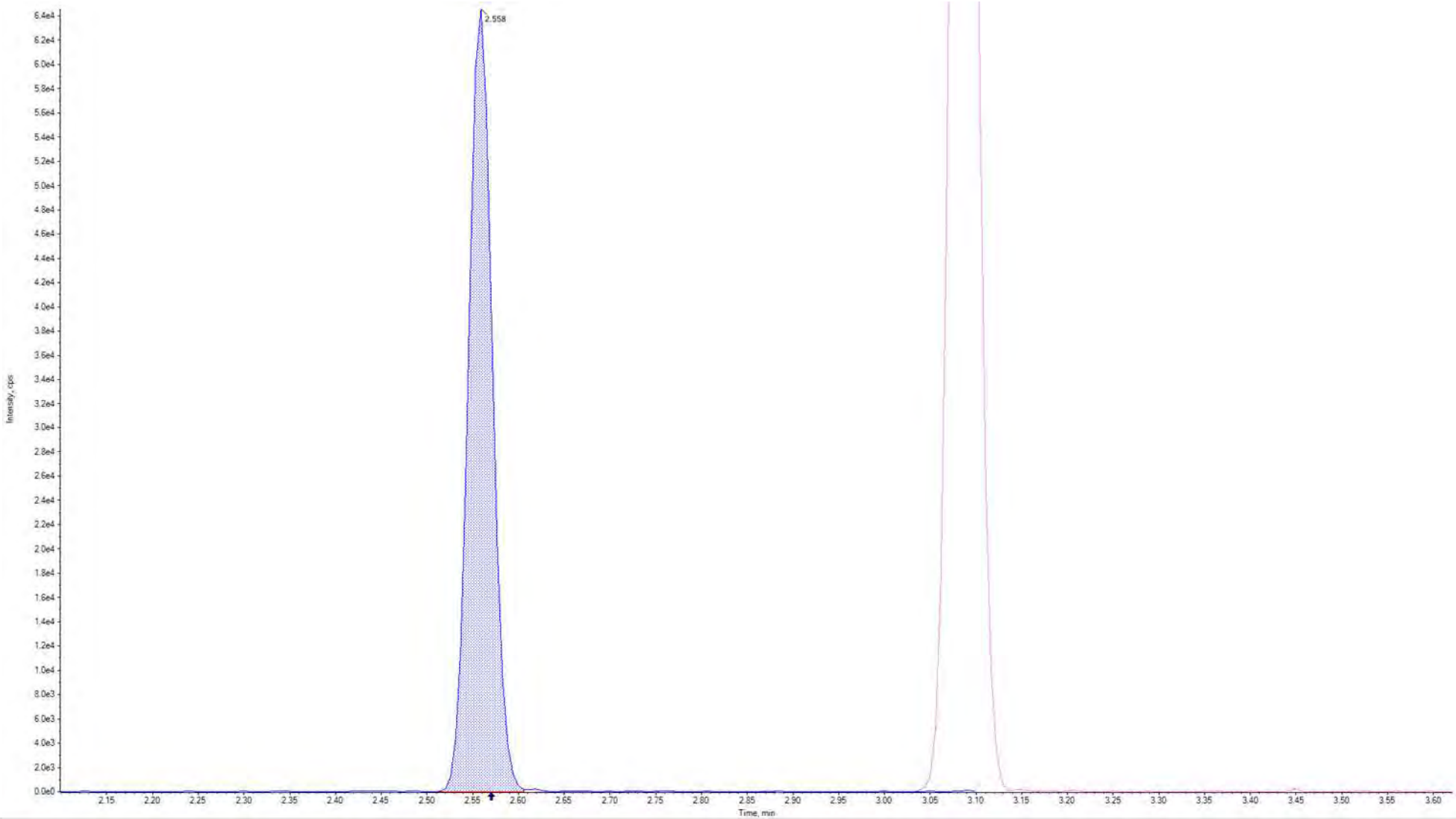
PFPeS_2
Sample: IA1633STD-2.5 S/N:1294.5 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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Last Altered: 3/4/2025 6:51:07 AM
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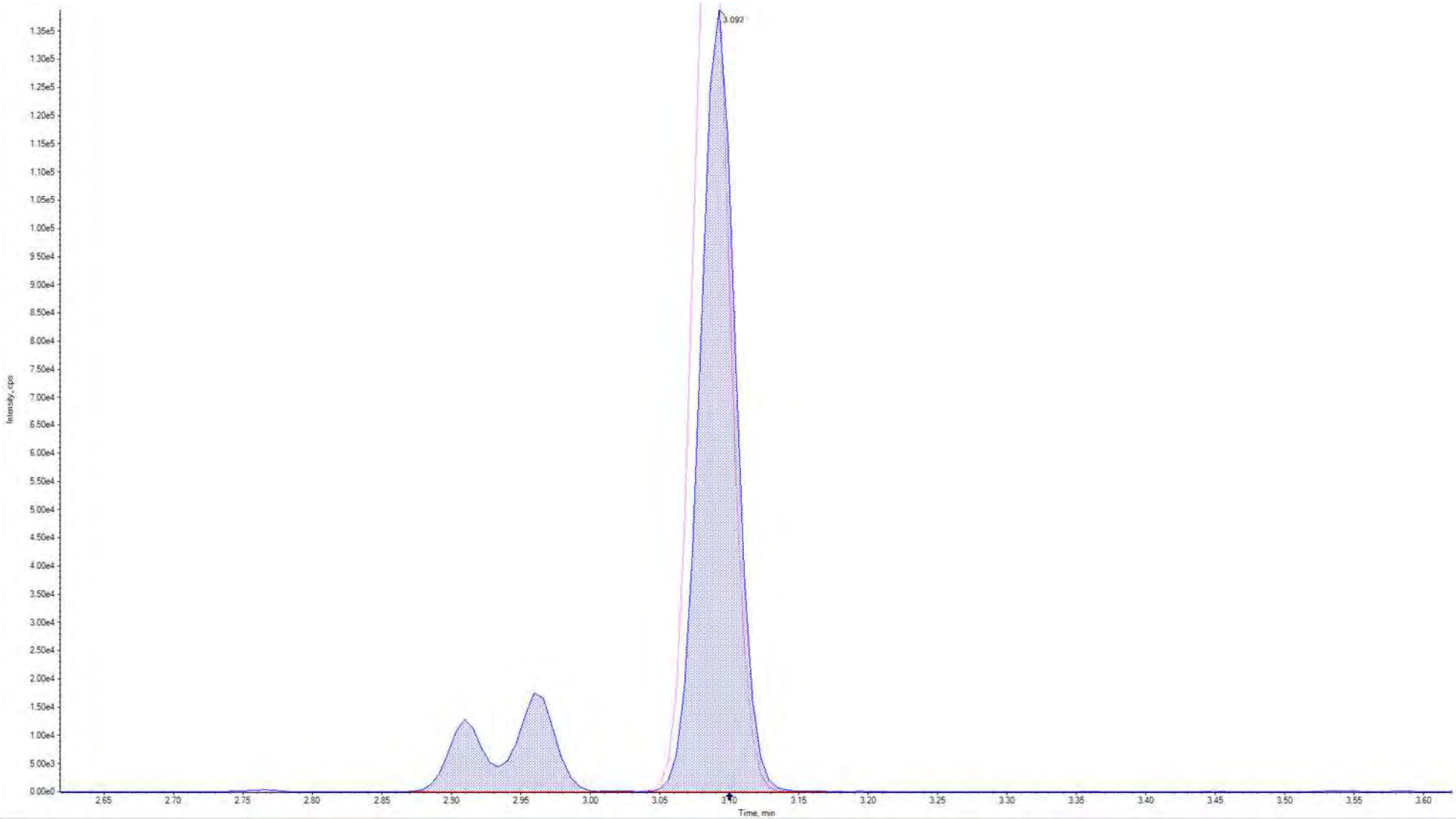
PFHxS
Sample: IA1633STD-2.5 S/N:970.7 Points Across peak:52



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
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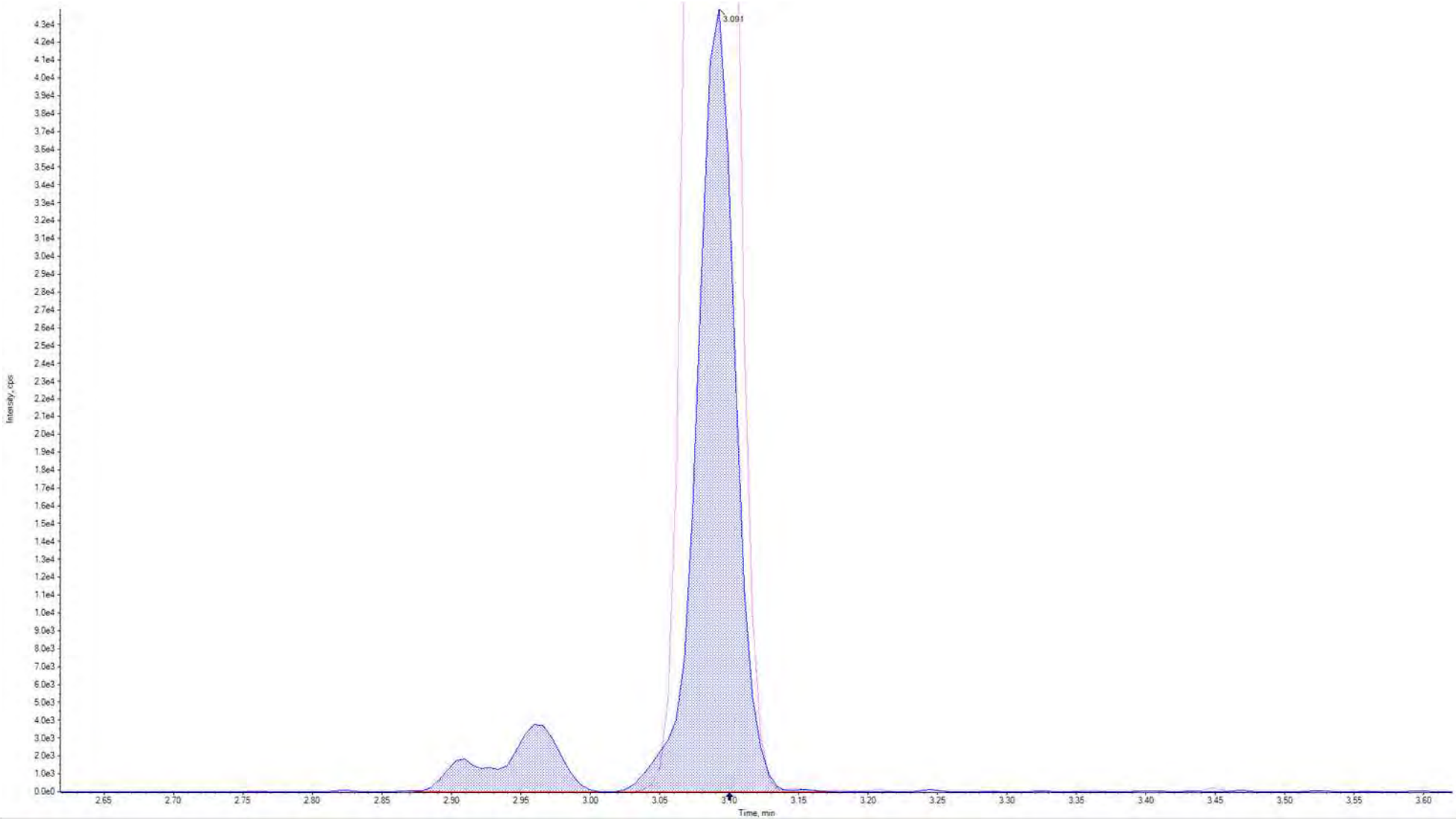
PFHxS_2
Sample: IA1633STD-2.5 S/N:931.6 Points Across peak:51



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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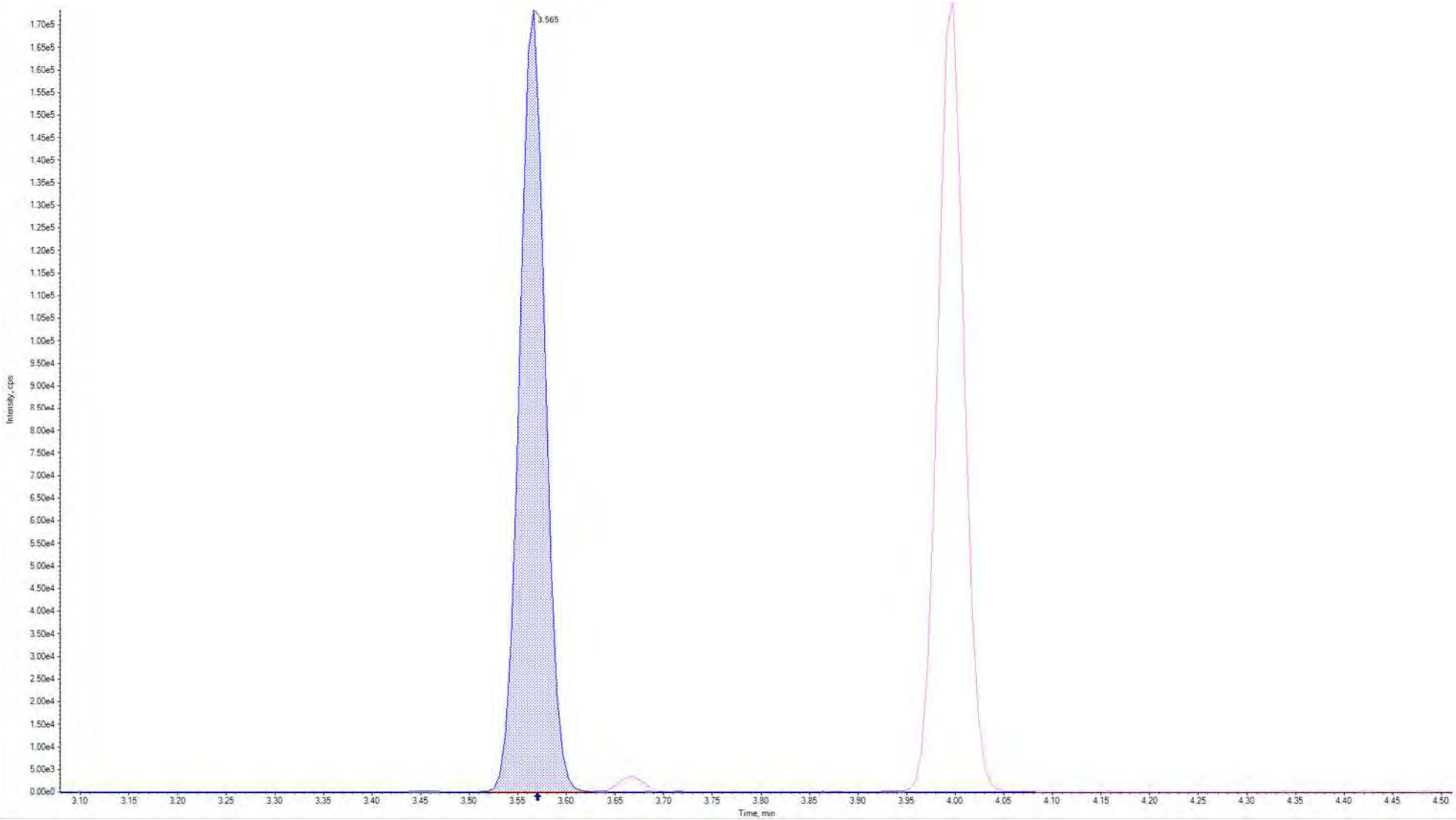
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHpS
Sample: IA1633STD-2.5 S/N:3475.4 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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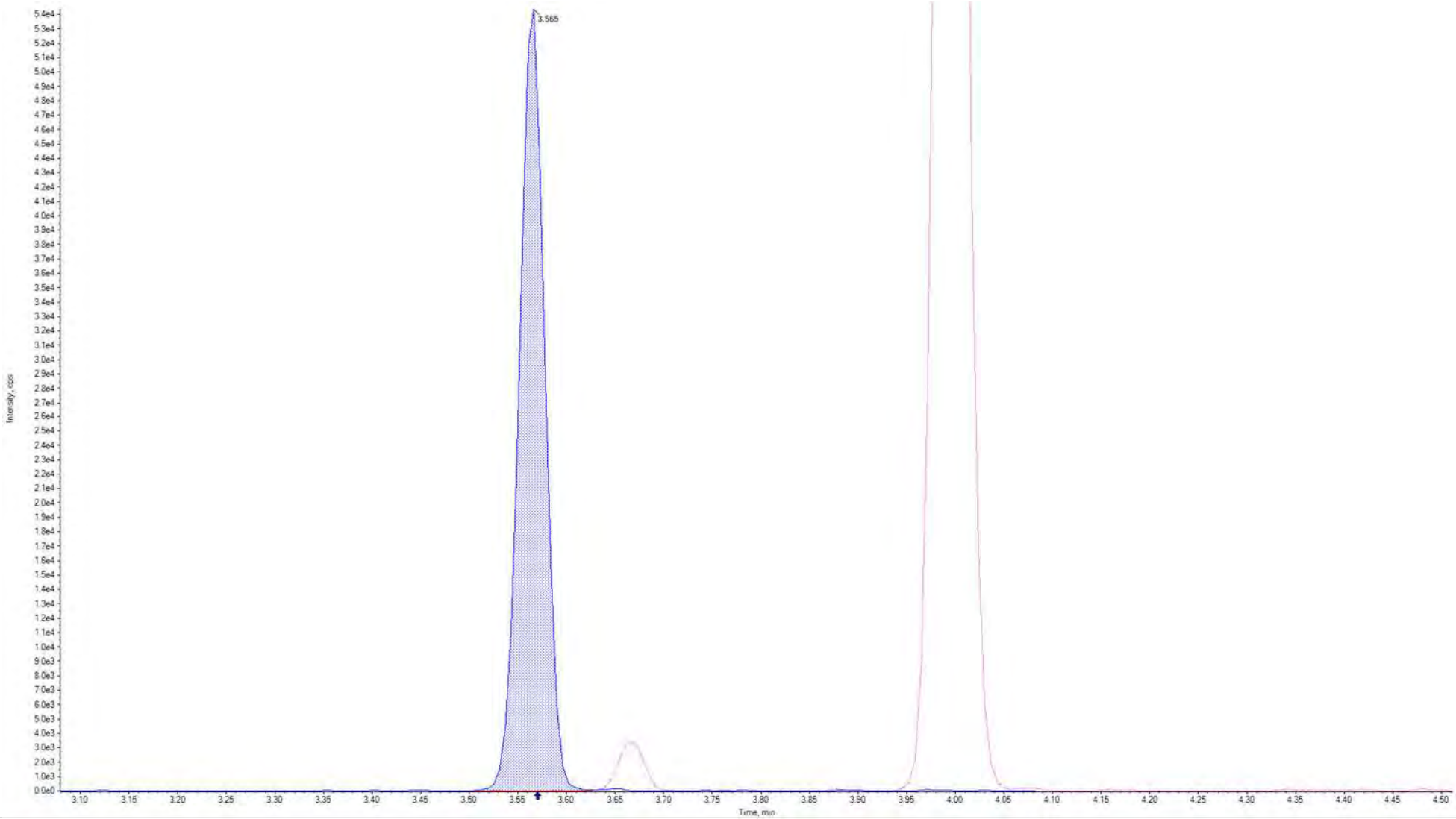
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHpS_2
Sample: IA1633STD-2.5 S/N:1090.2 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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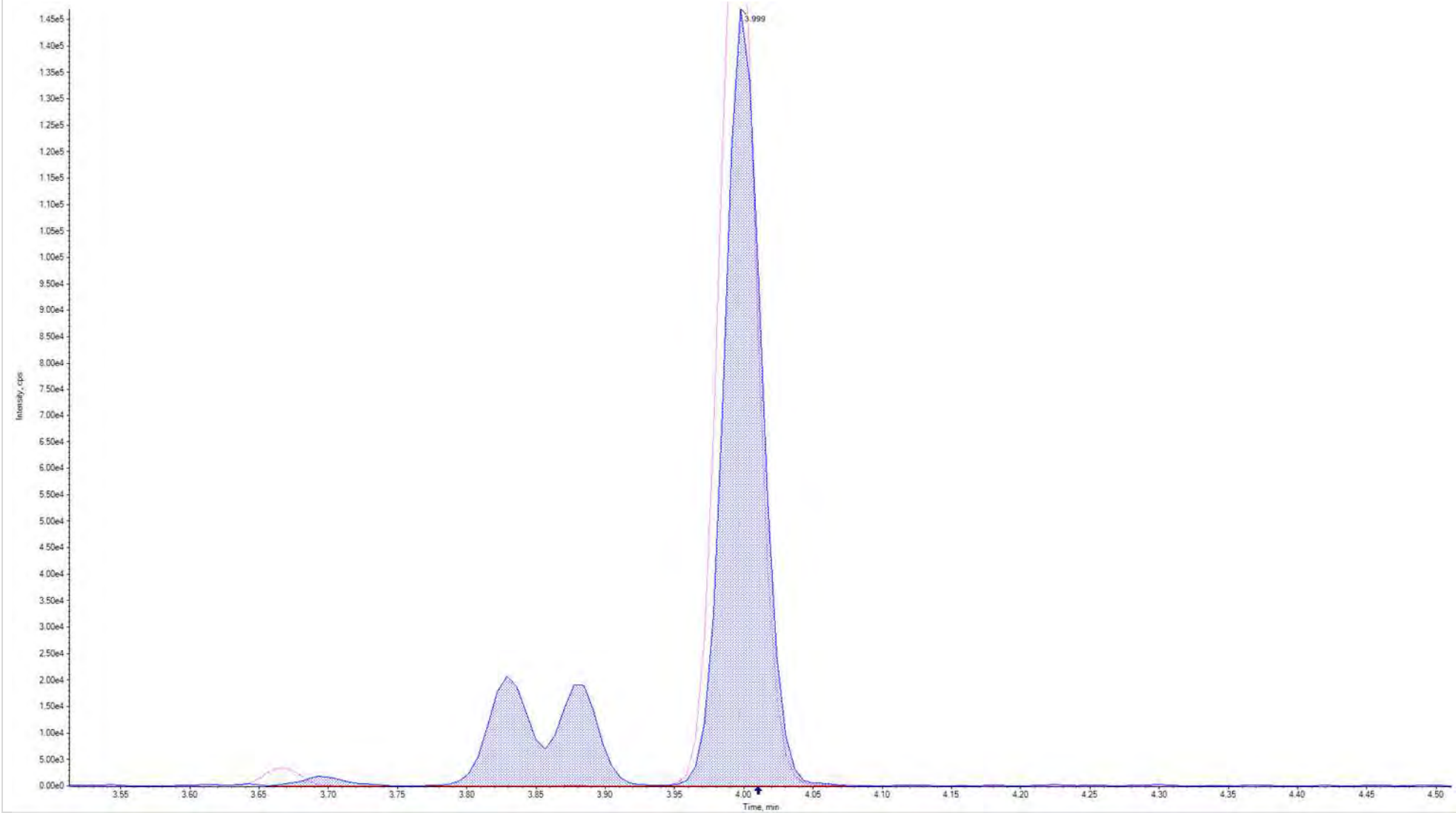
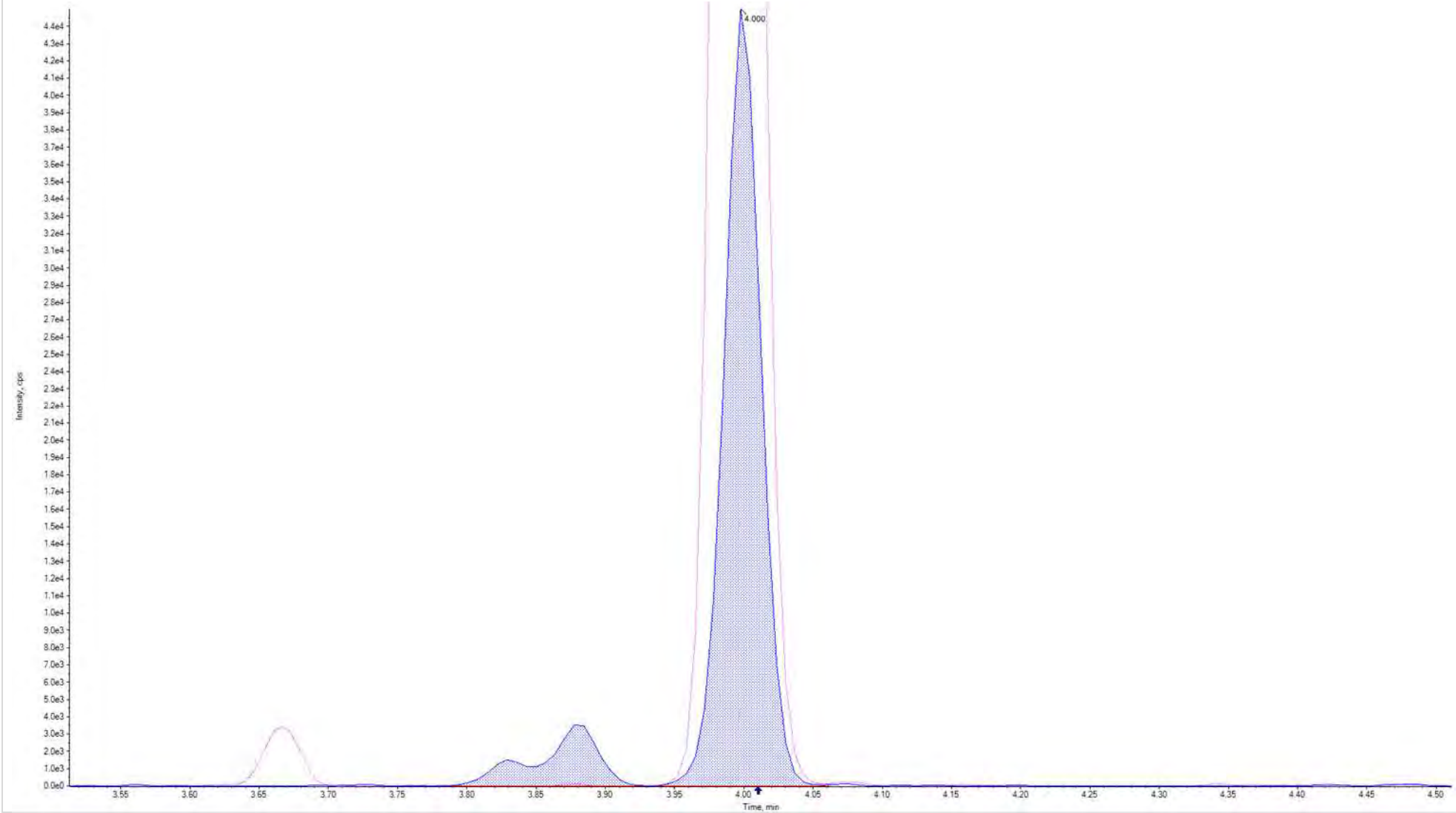
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOS
Sample: IA1633STD-2.5 S/N:530.9 Points Across peak:68



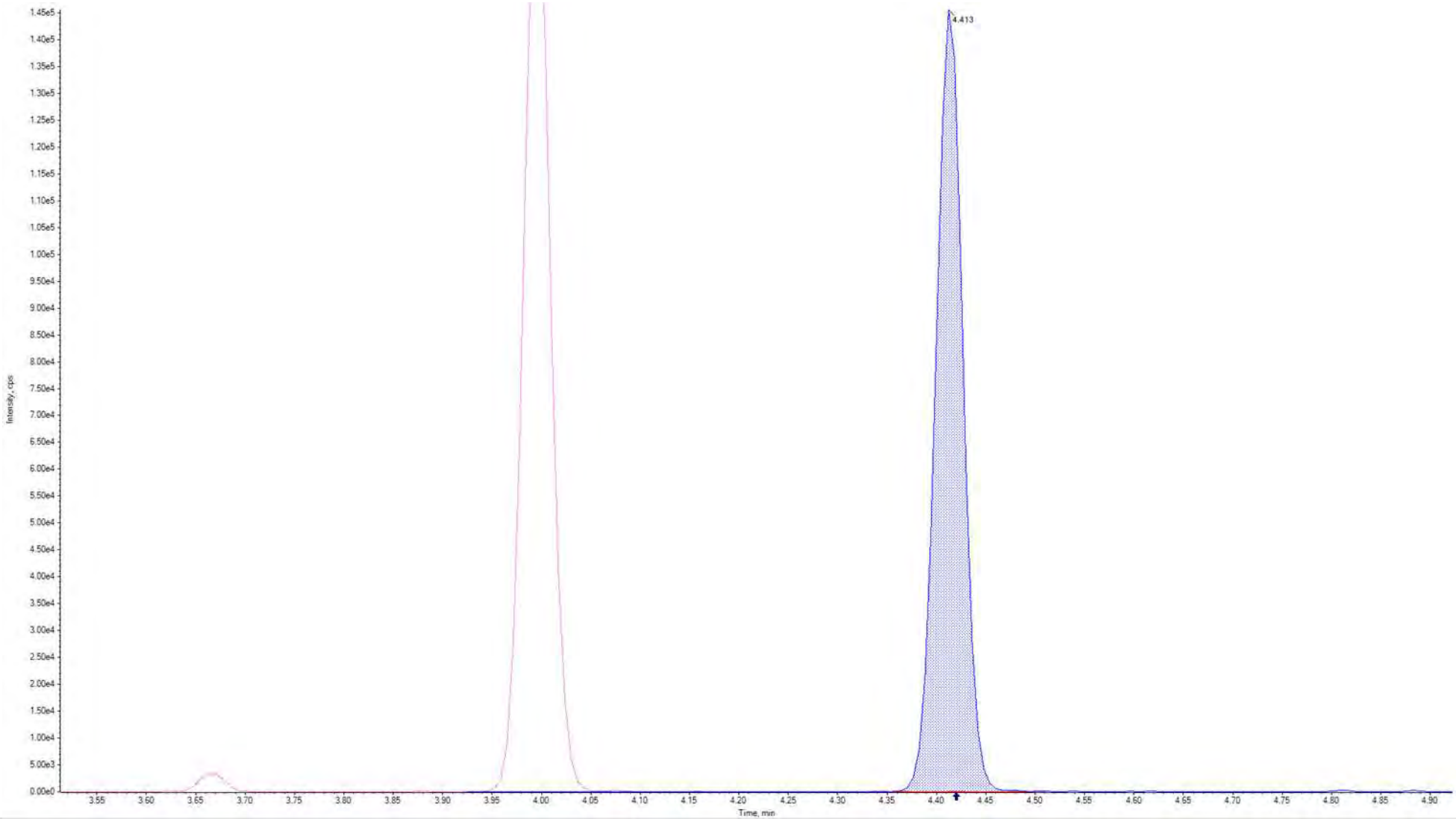
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOS_2
Sample: IA1633STD-2.5 S/N:897.7 Points Across peak:43



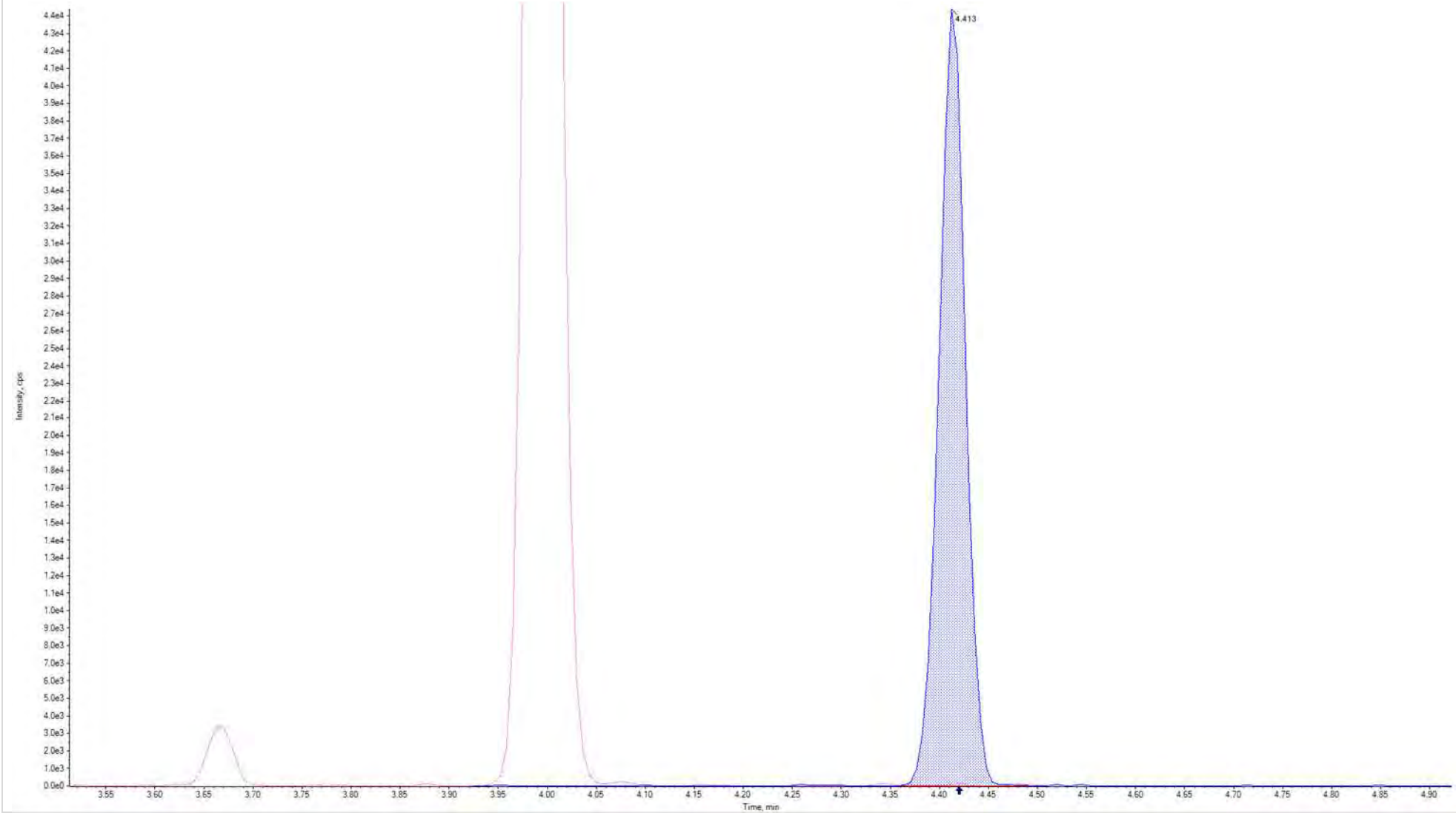
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFNS
Sample: IA1633STD-2.5 S/N:3269.7 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\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFNS_2
Sample: IA1633STD-2.5 S/N:1112.5 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\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
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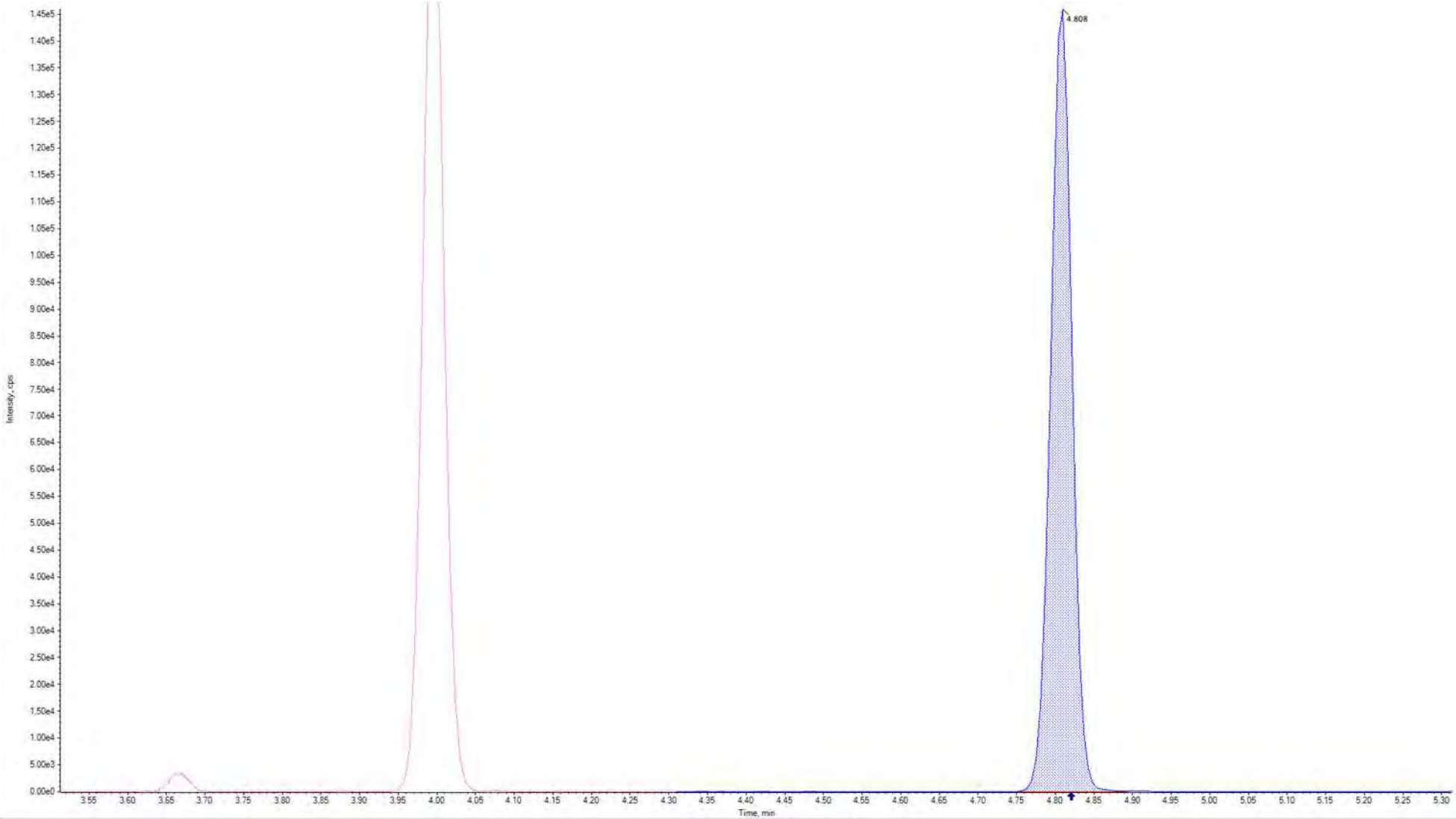
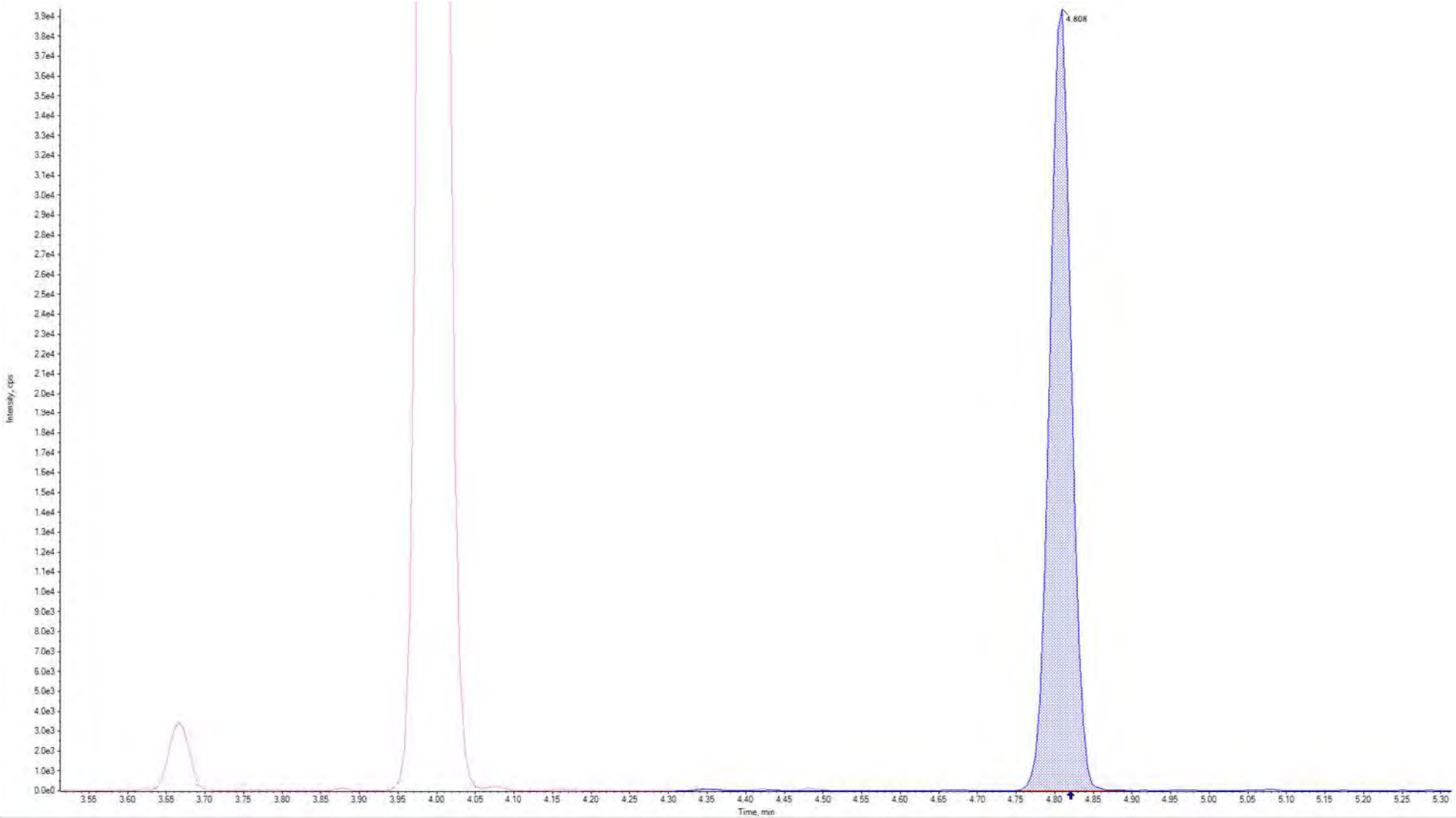
PFDS
Sample: IA1633STD-2.5 S/N:5120.8 Points Across peak:29



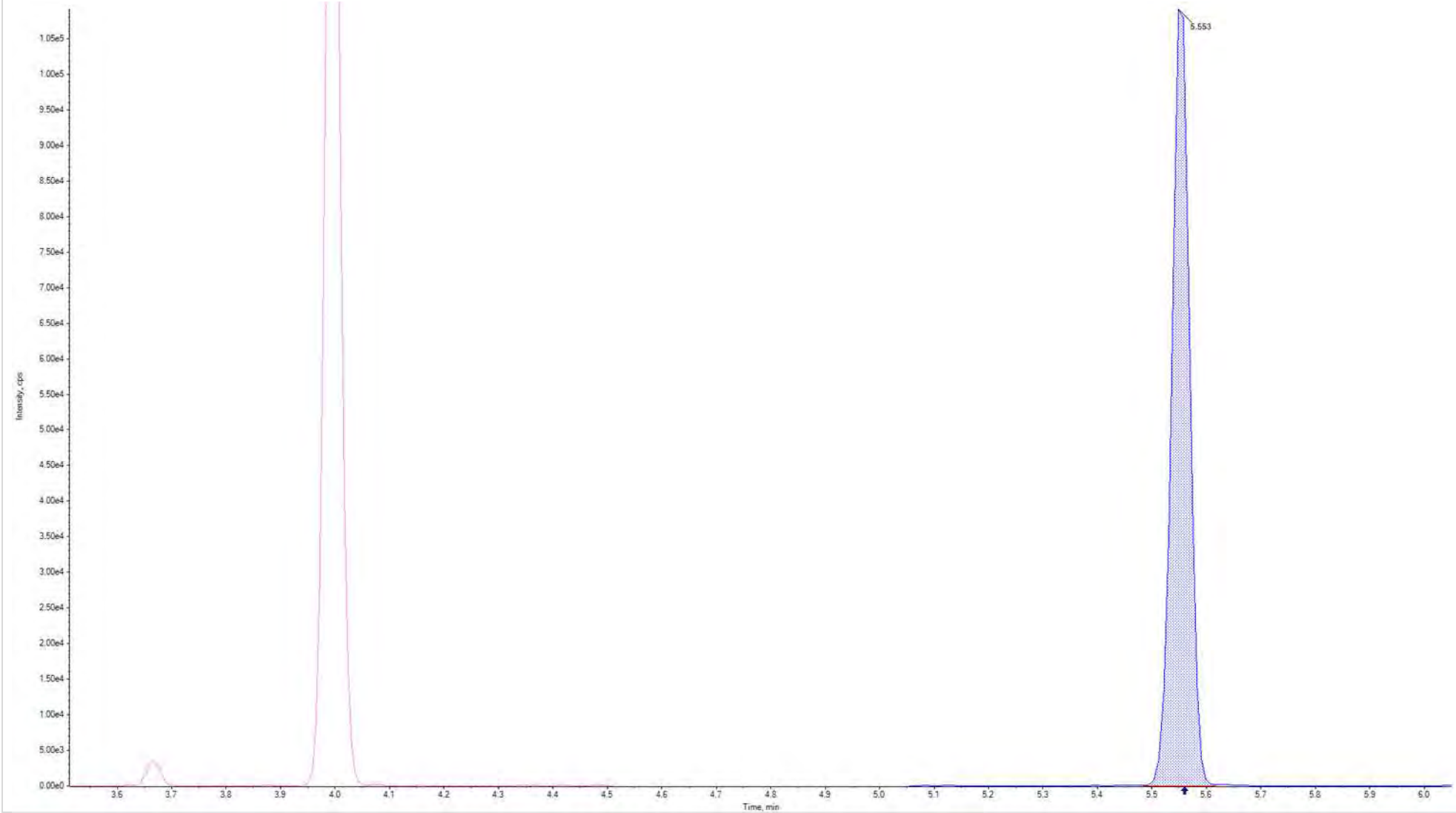
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDS_2
Sample: IA1633STD-2.5 S/N:1381.4 Points Across peak:29



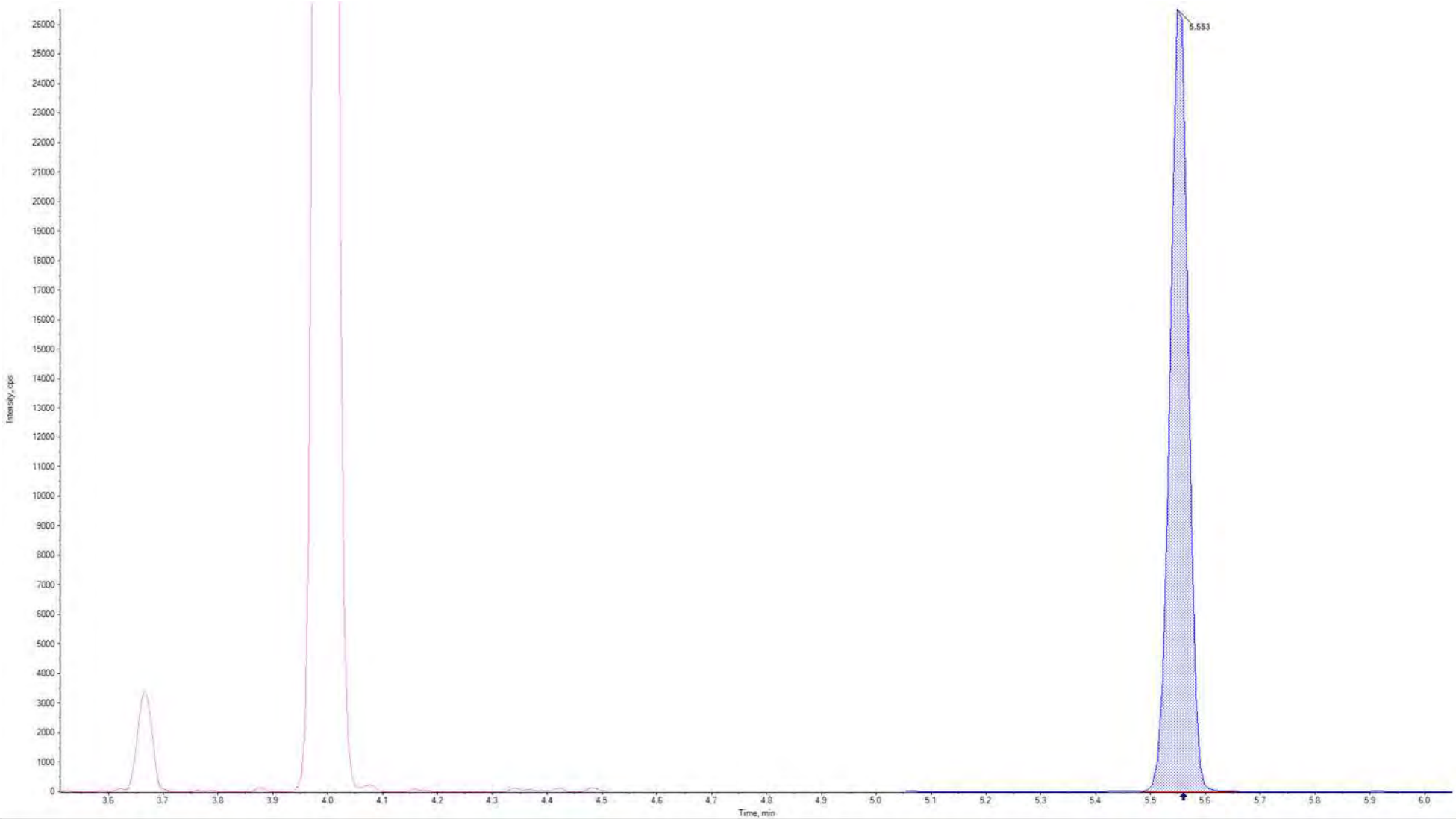
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoS
Sample: IA1633STD-2.5 S/N:4770.9 Points Across peak:16



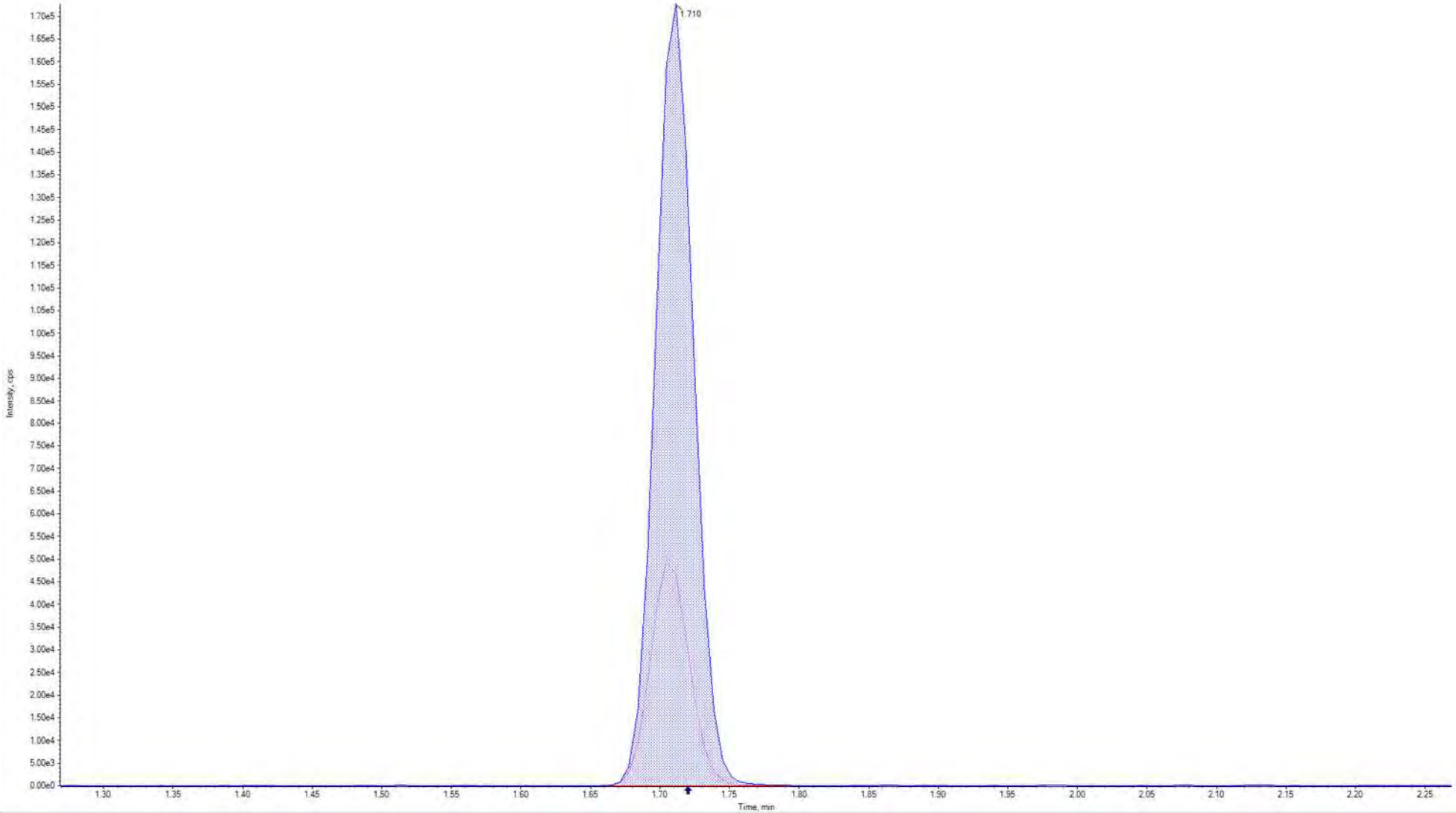
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoS_2
Sample: IA1633STD-2.5 S/N:1684.2 Points Across peak:25



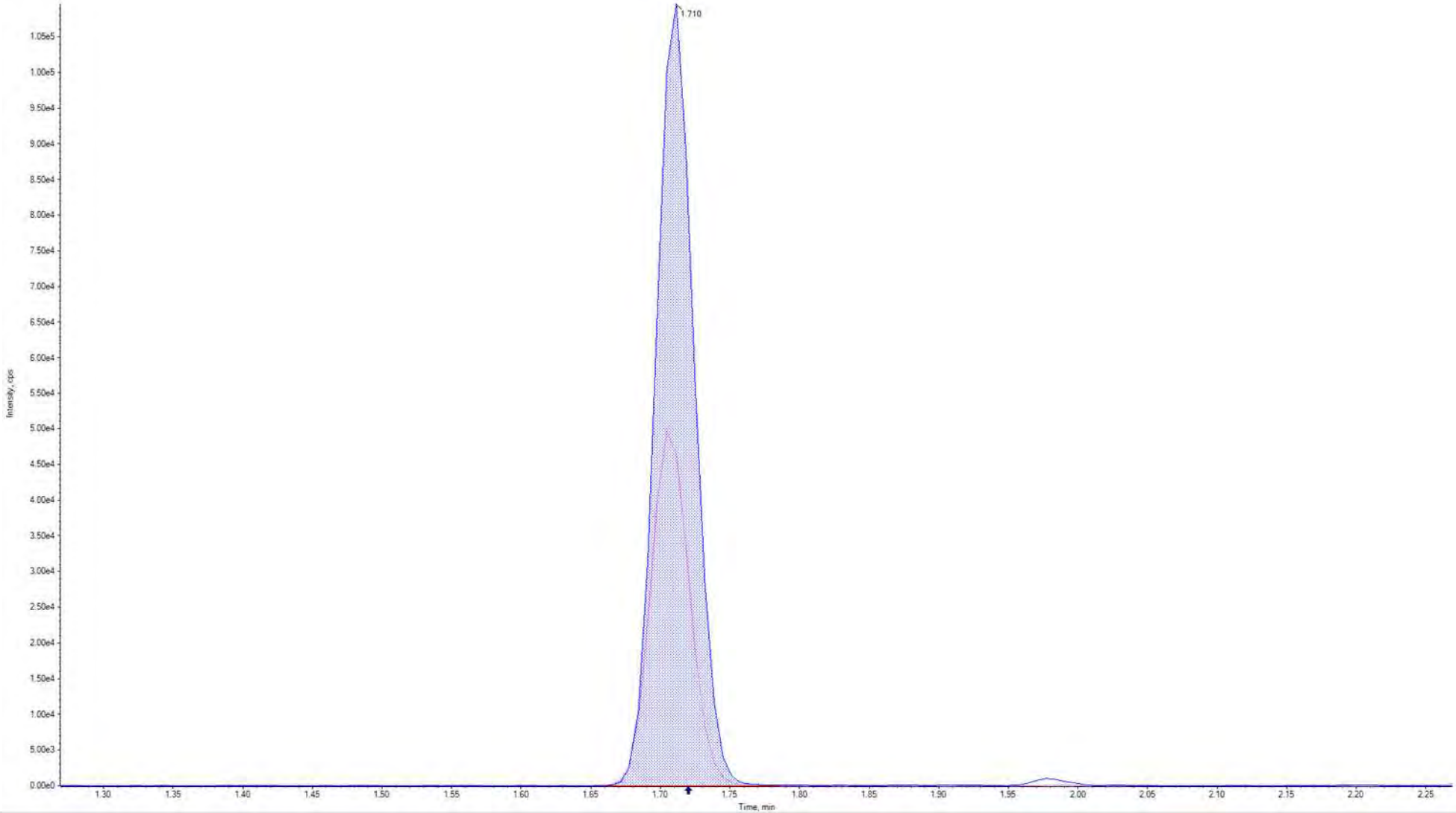
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

4:2FTS
Sample: IA1633STD-2.5 S/N:6495.9 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\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

4:2FTS_2
Sample: IA1633STD-2.5 S/N:3459.3 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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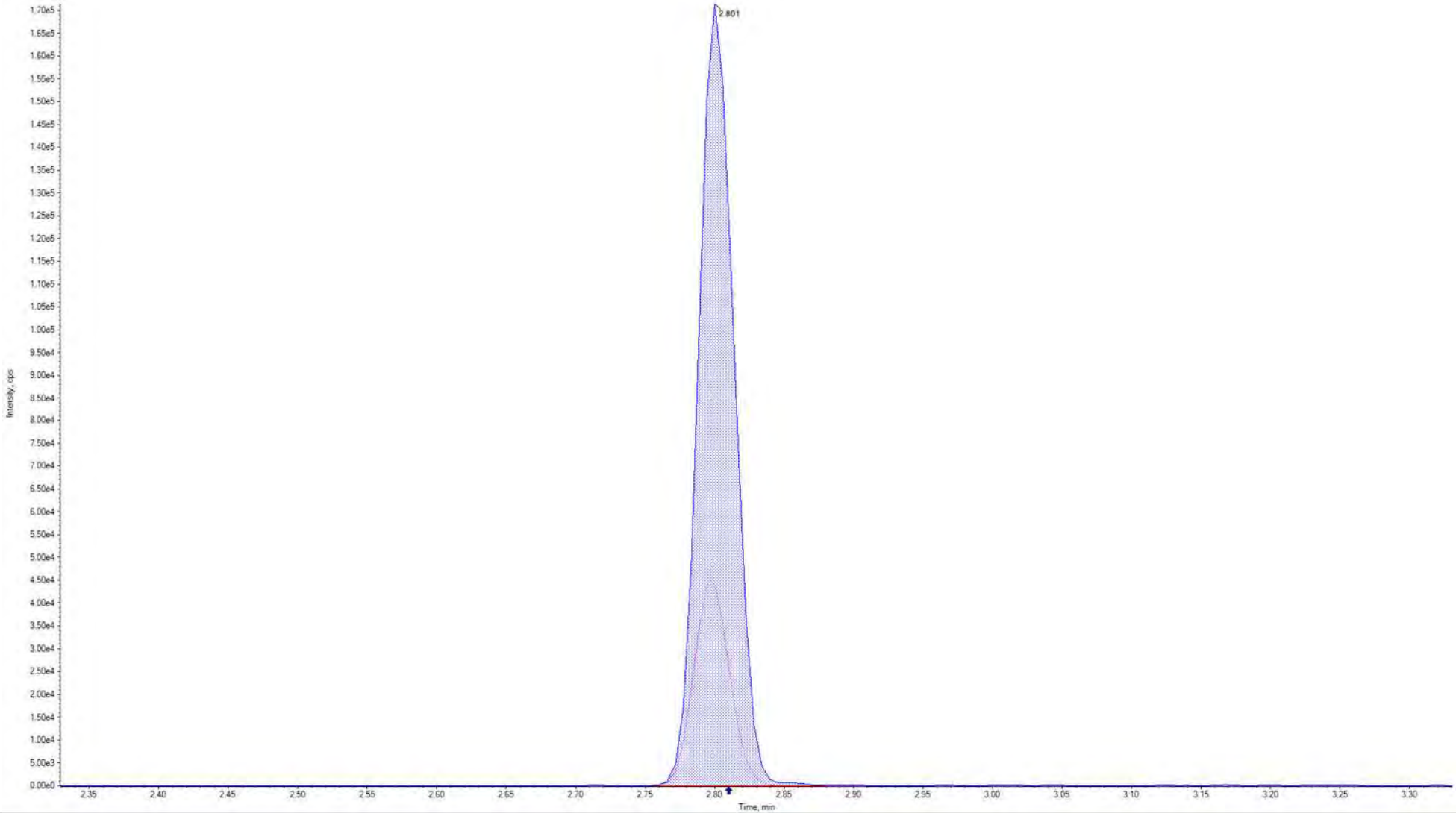
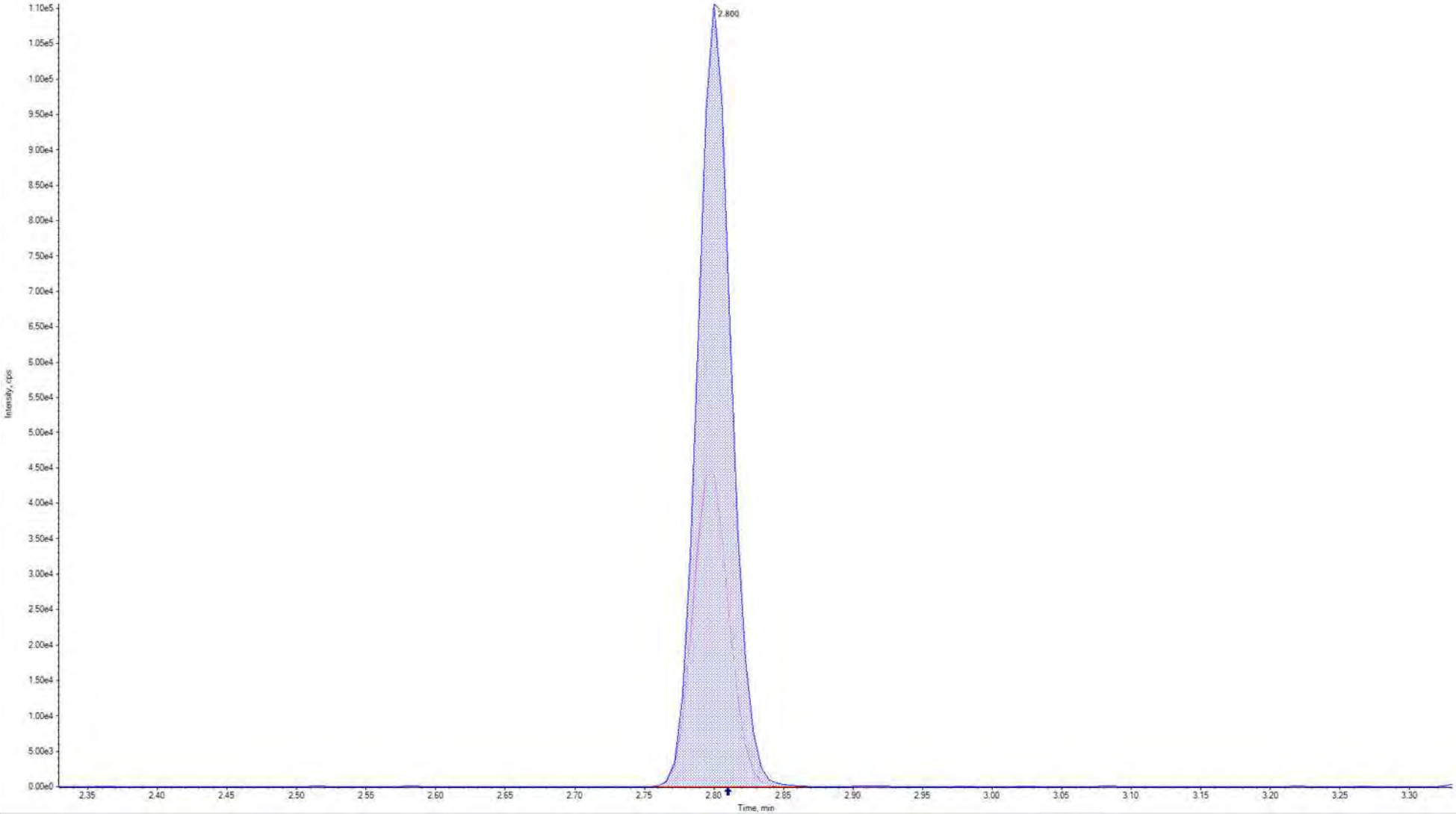
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

6:2FTS
Sample: IA1633STD-2.5 S/N:3053.3 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\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

6:2FTS_2
Sample: IA1633STD-2.5 S/N:2218.1 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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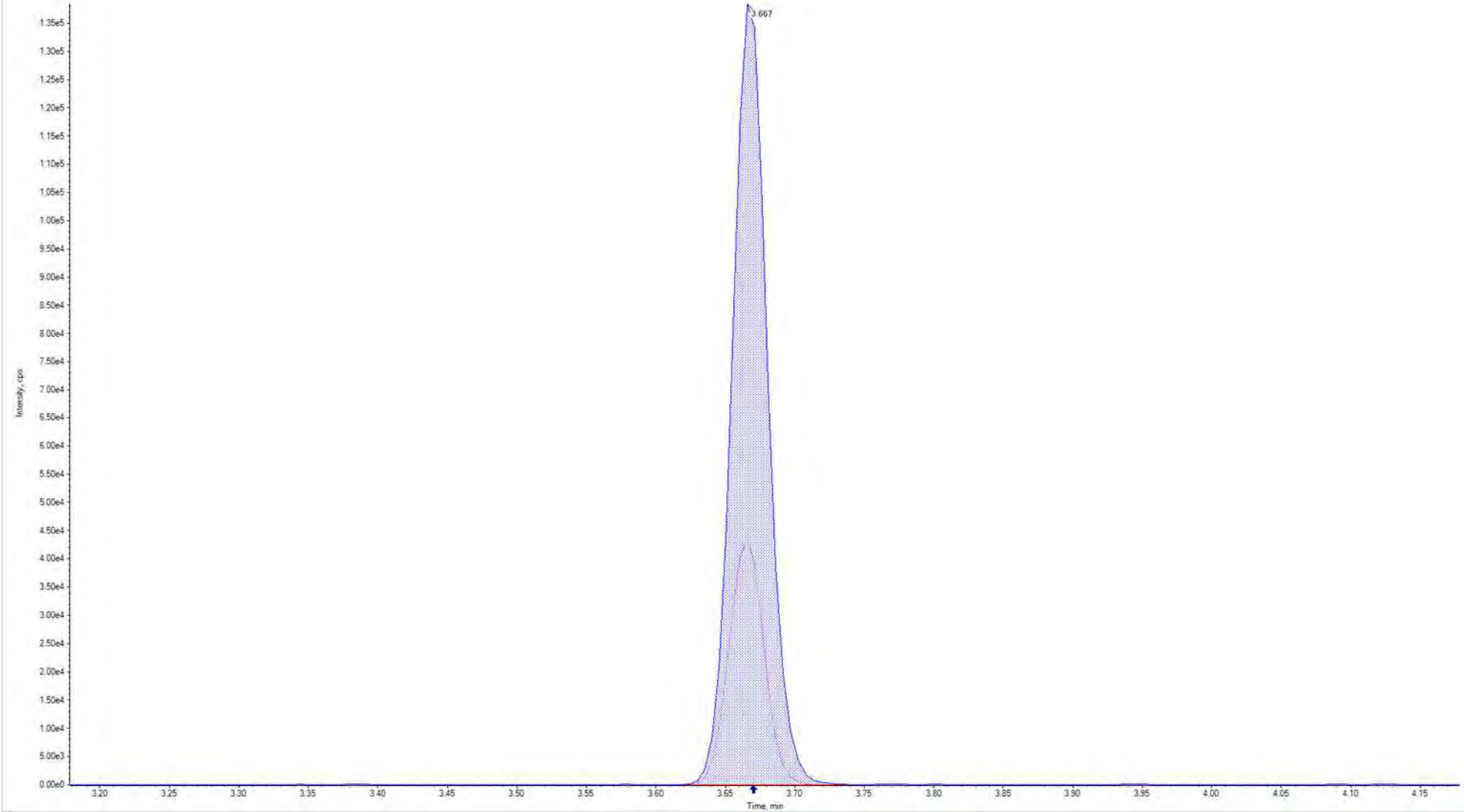
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

8:2FTS
Sample: IA1633STD-2.5 S/N:2775.5 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 6:51:07 AM
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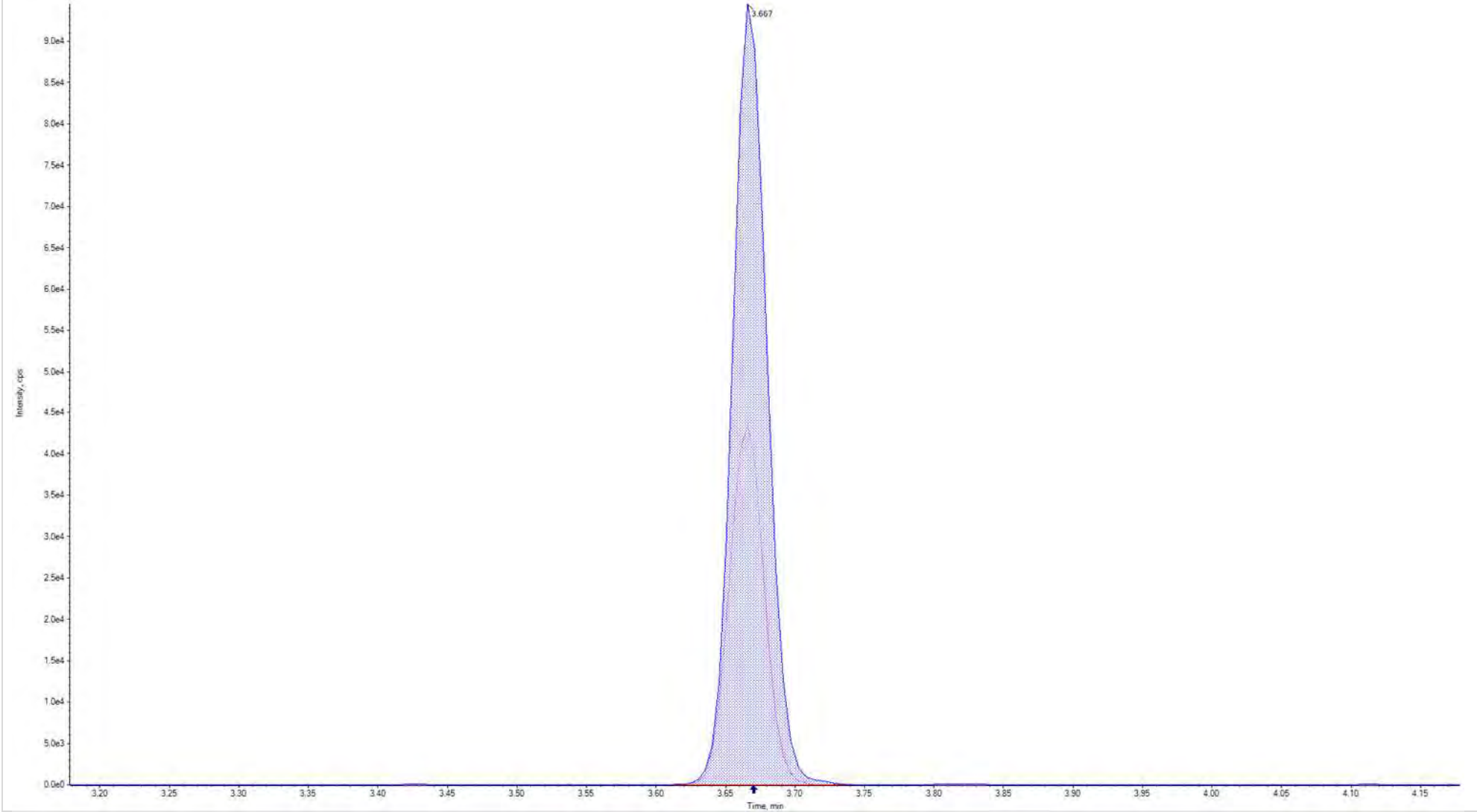
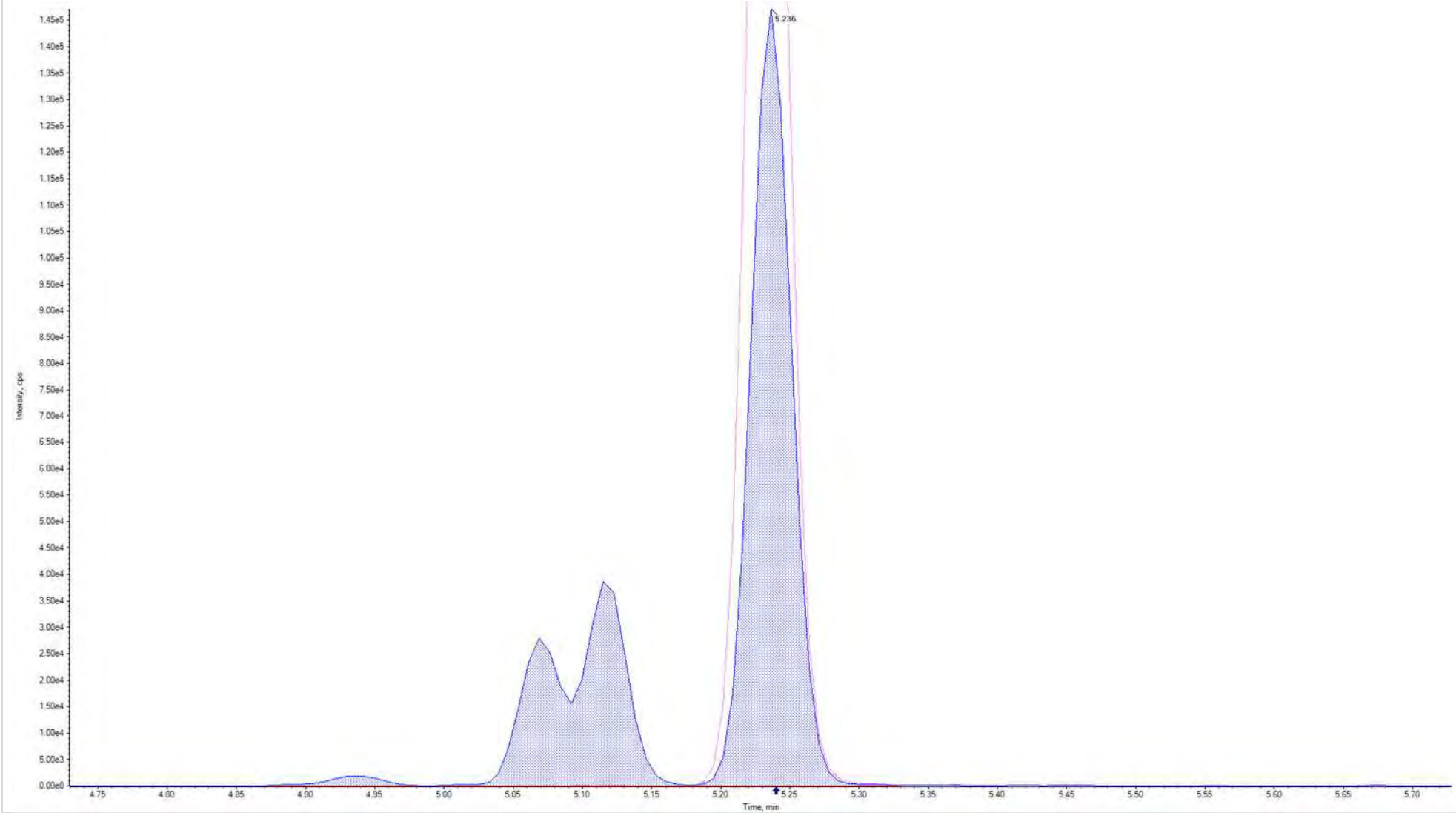
8:2FTS_2
Sample: IA1633STD-2.5 S/N:1895.3 Points Across peak:27



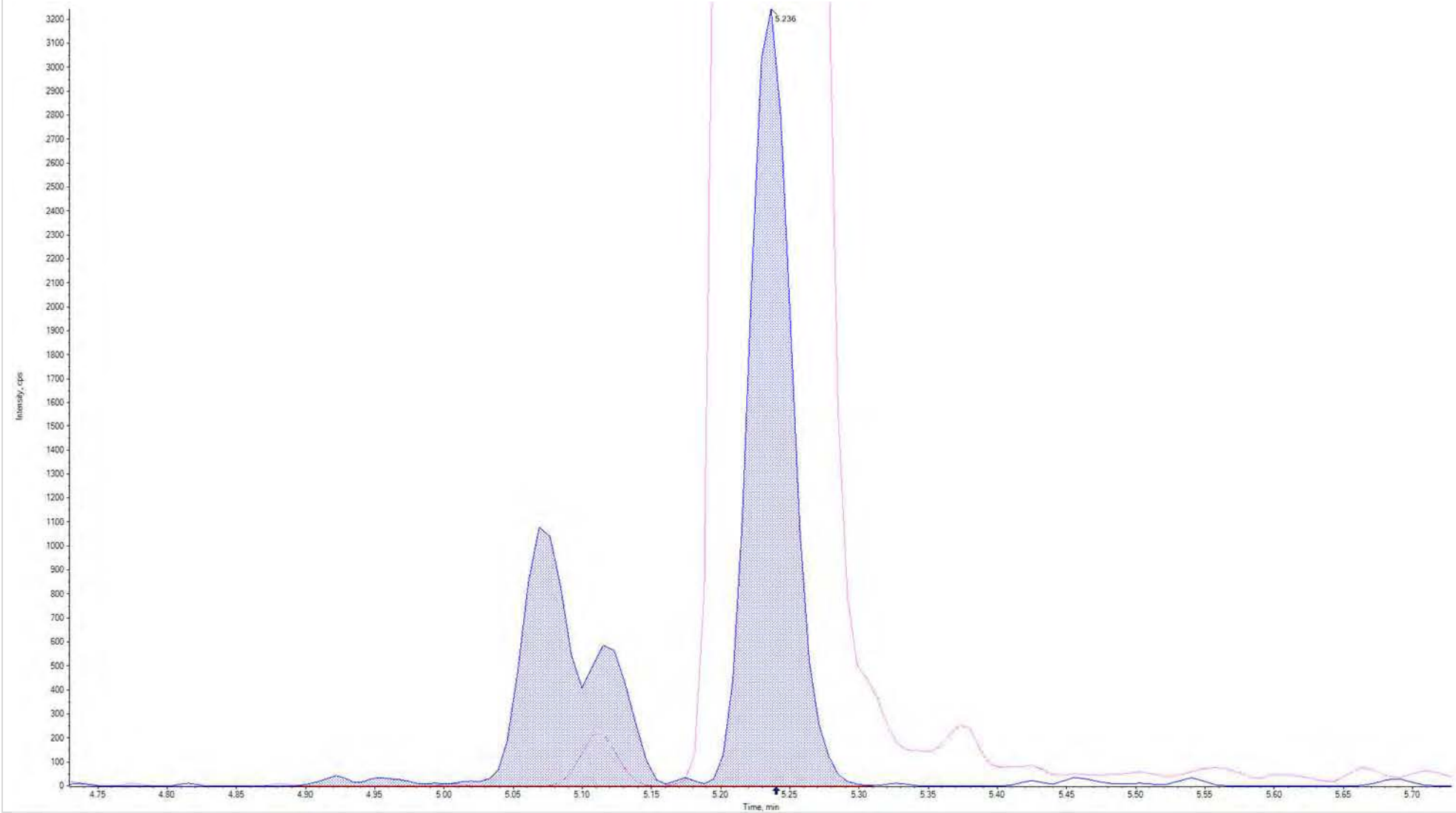
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOSA
Sample: IA1633STD-2.5 S/N:369.5 Points Across peak:73



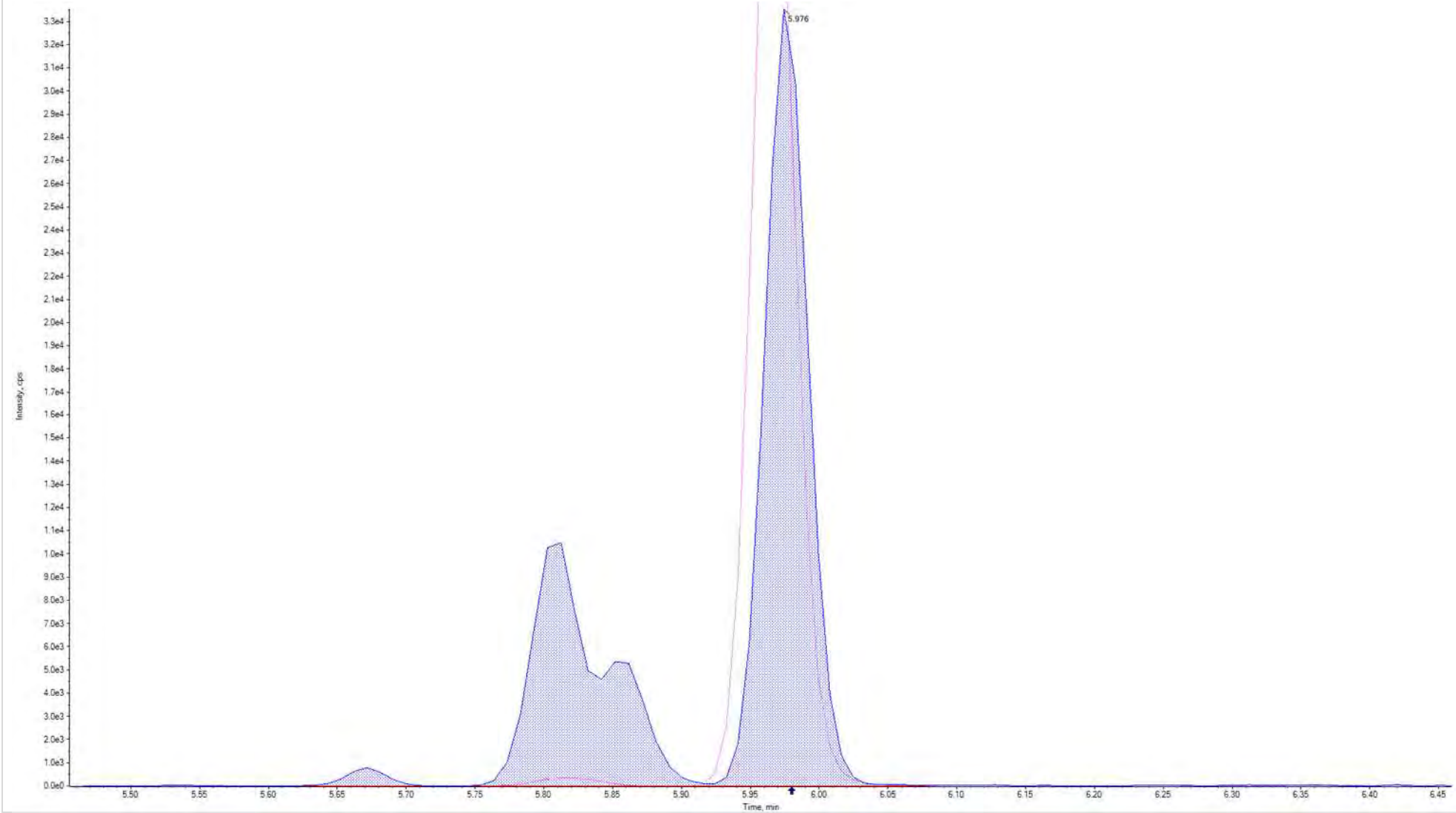
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOSA_2
Sample: IA1633STD-2.5 S/N:192.3 Points Across peak:62



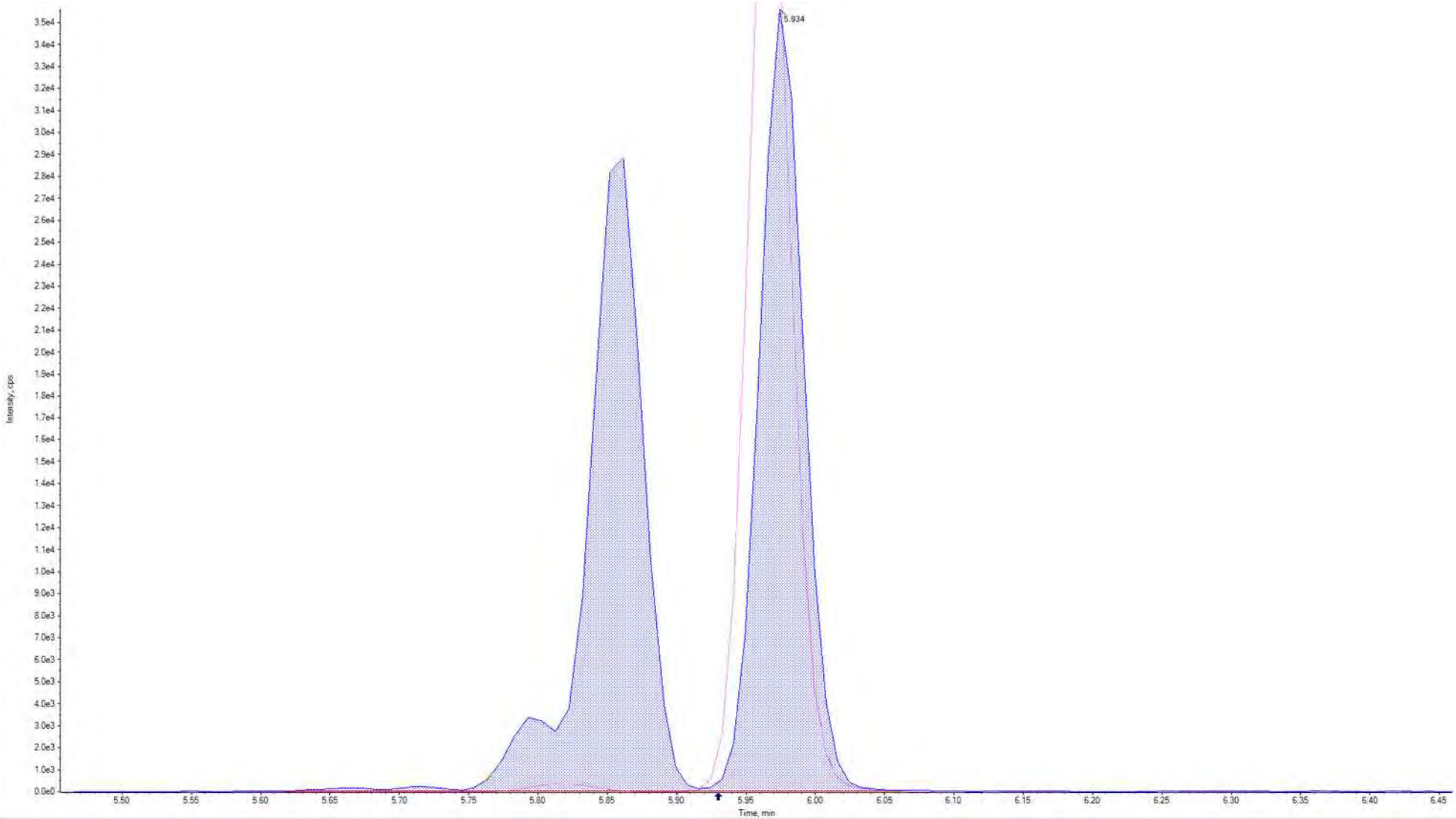
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSA
Sample: IA1633STD-2.5 S/N:465.0 Points Across peak:54



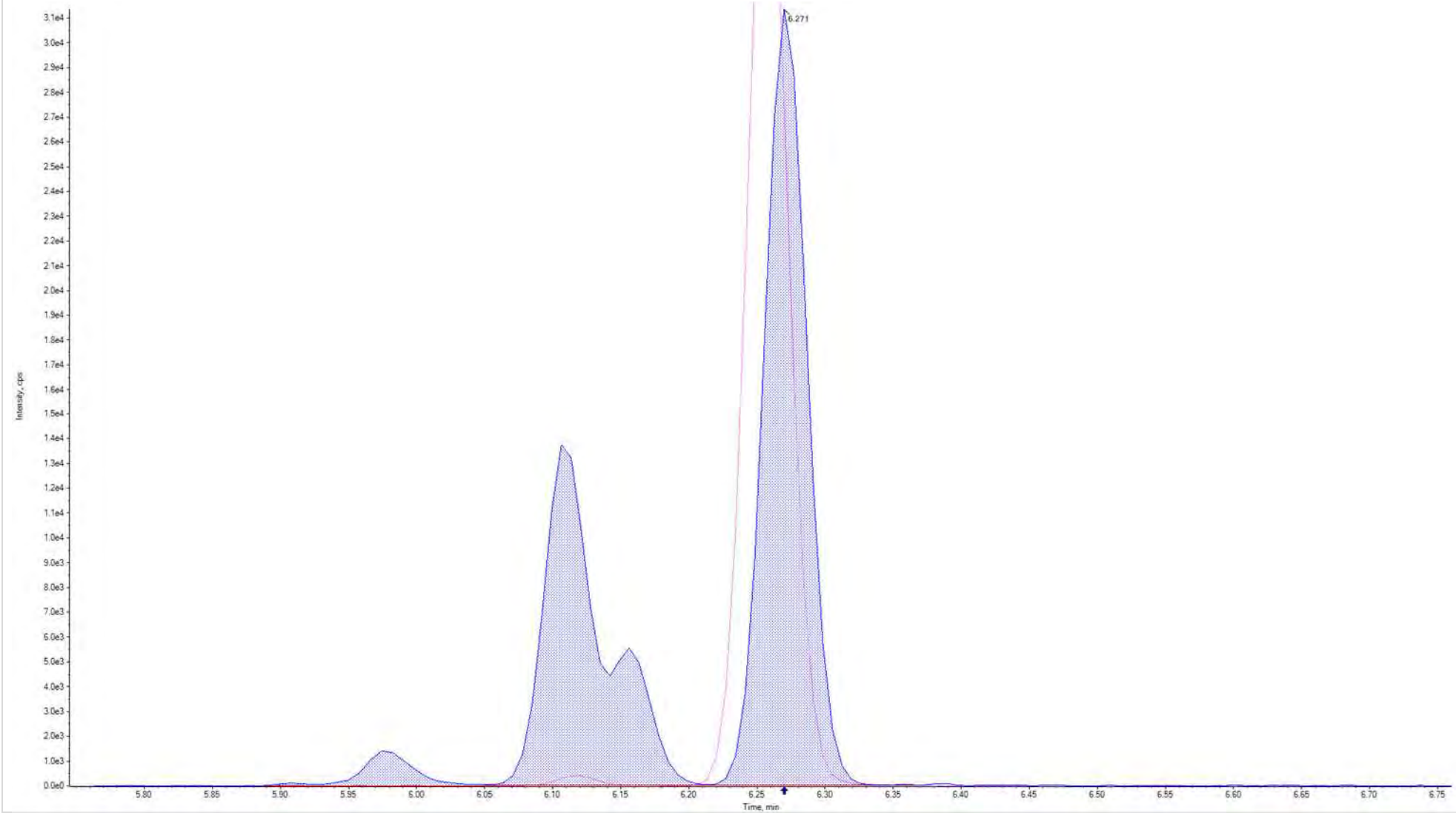
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSA_2
Sample: IA1633STD-2.5 S/N:264.9 Points Across peak:51



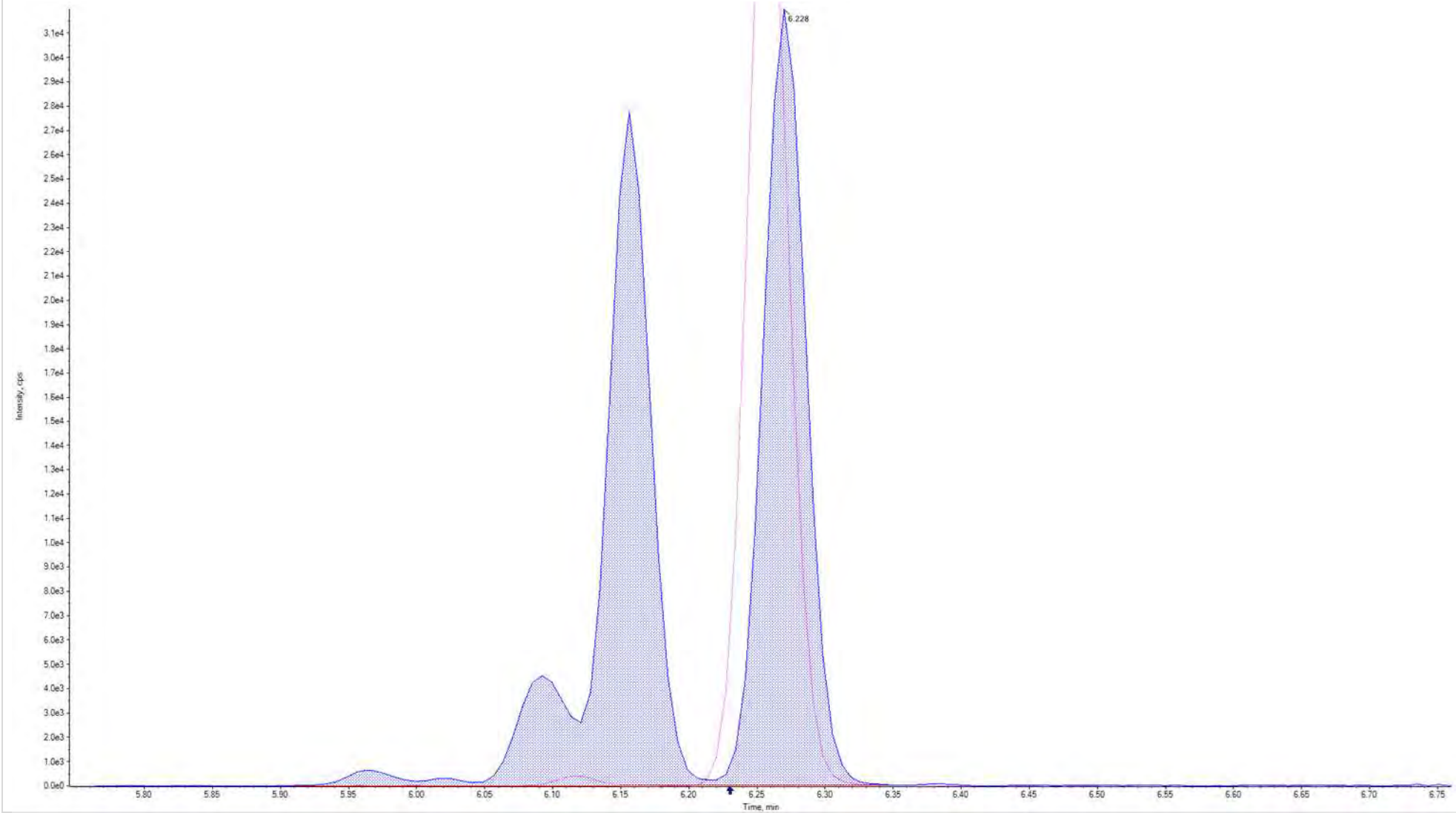
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSA
Sample: IA1633STD-2.5 S/N:670.9 Points Across peak:68



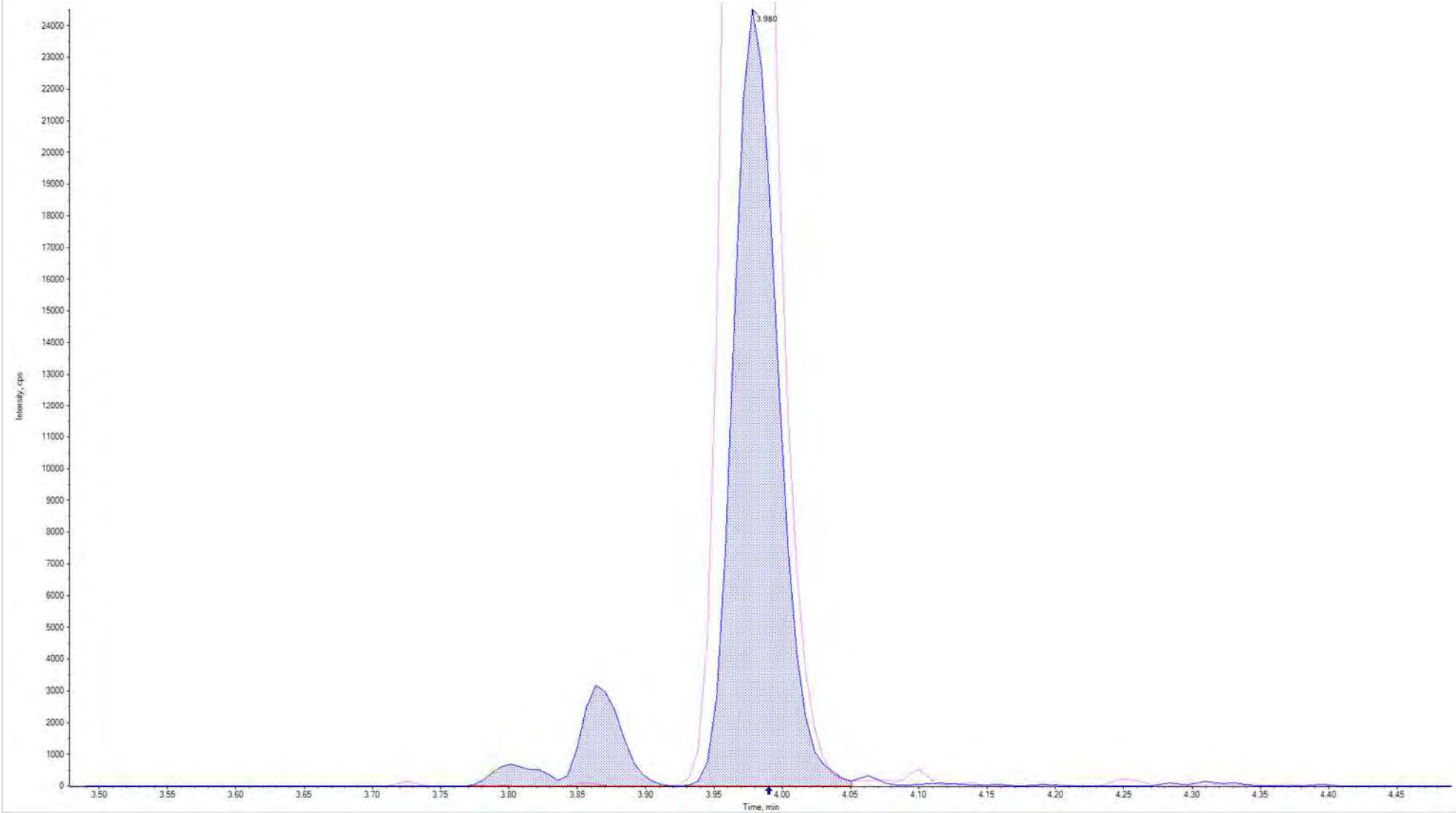
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSA_2
Sample: IA1633STD-2.5 S/N:523.9 Points Across peak:64



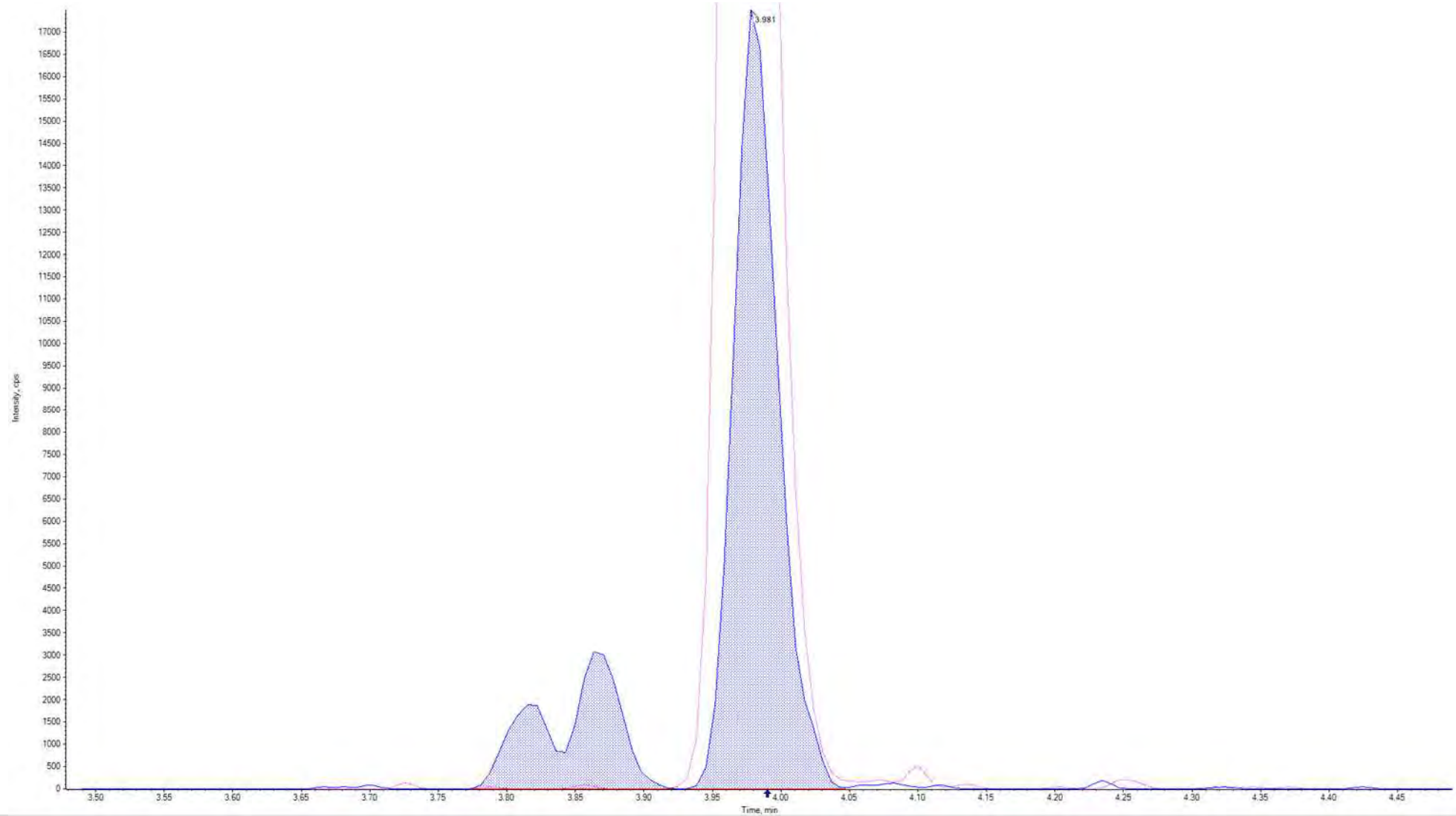
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSAA
Sample: IA1633STD-2.5 S/N:429.4 Points Across peak:45



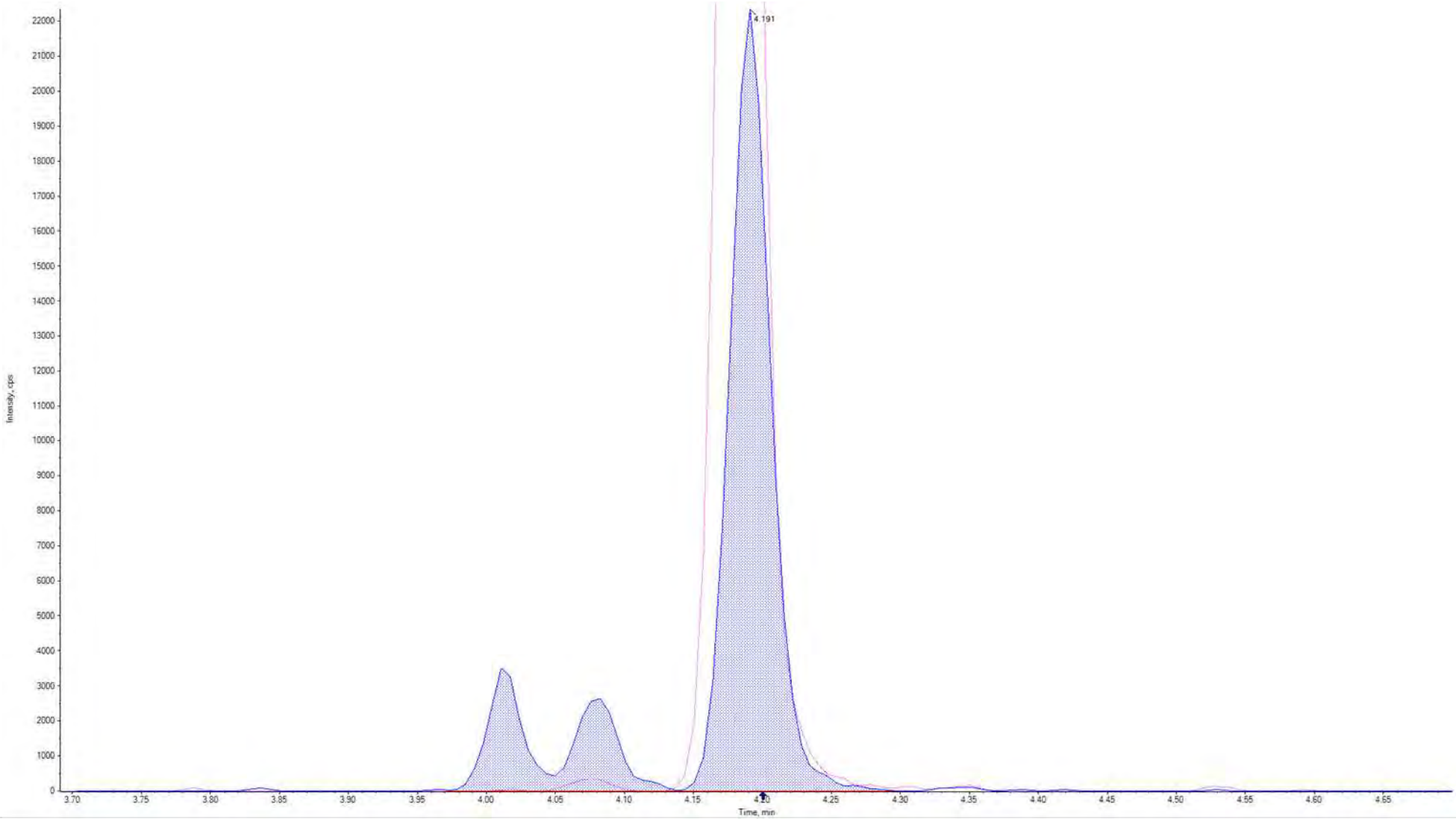
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSAA_2
Sample: IA1633STD-2.5 S/N:345.5 Points Across peak:44



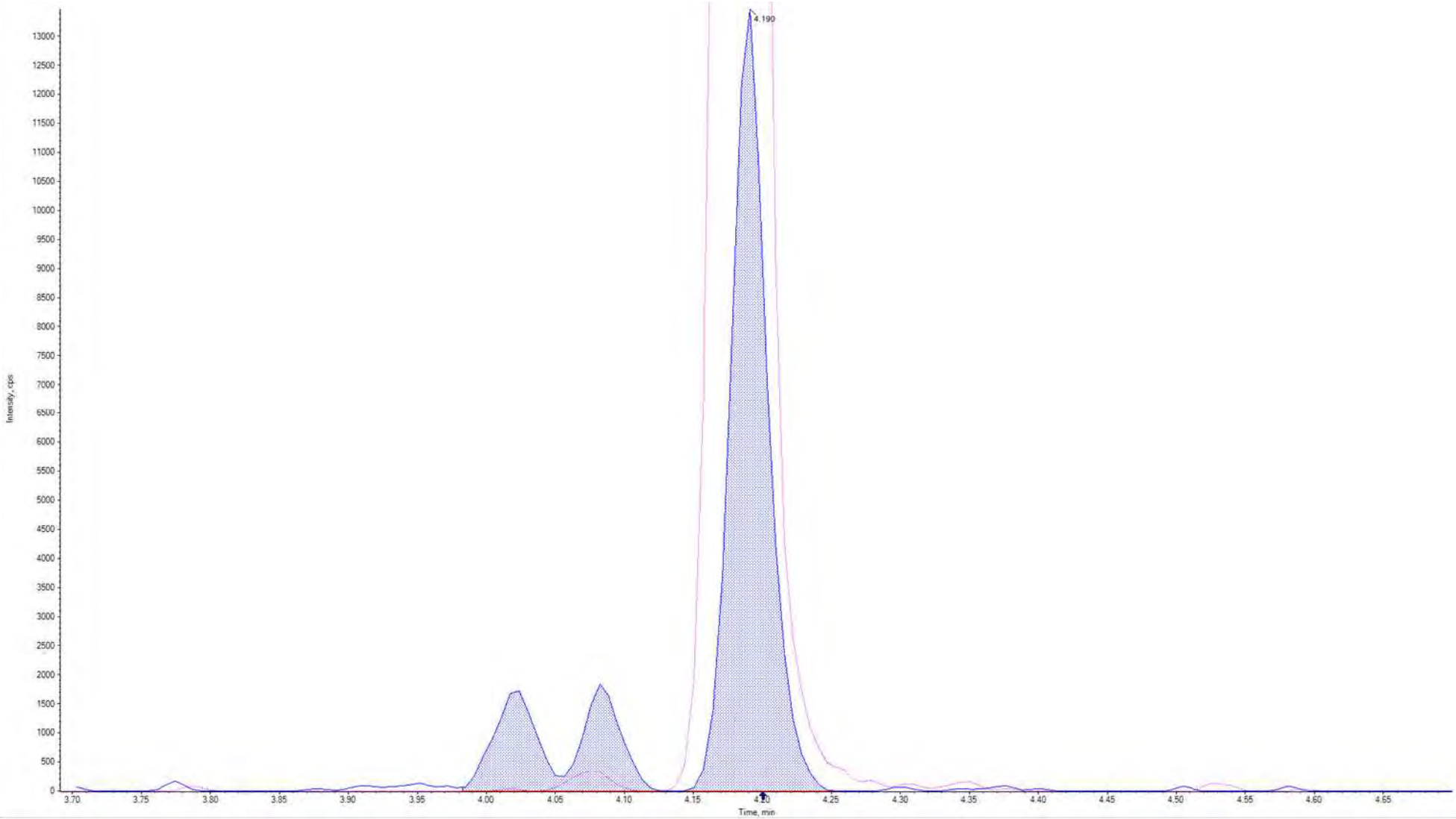
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSAA
Sample: IA1633STD-2.5 S/N:461.7 Points Across peak:53



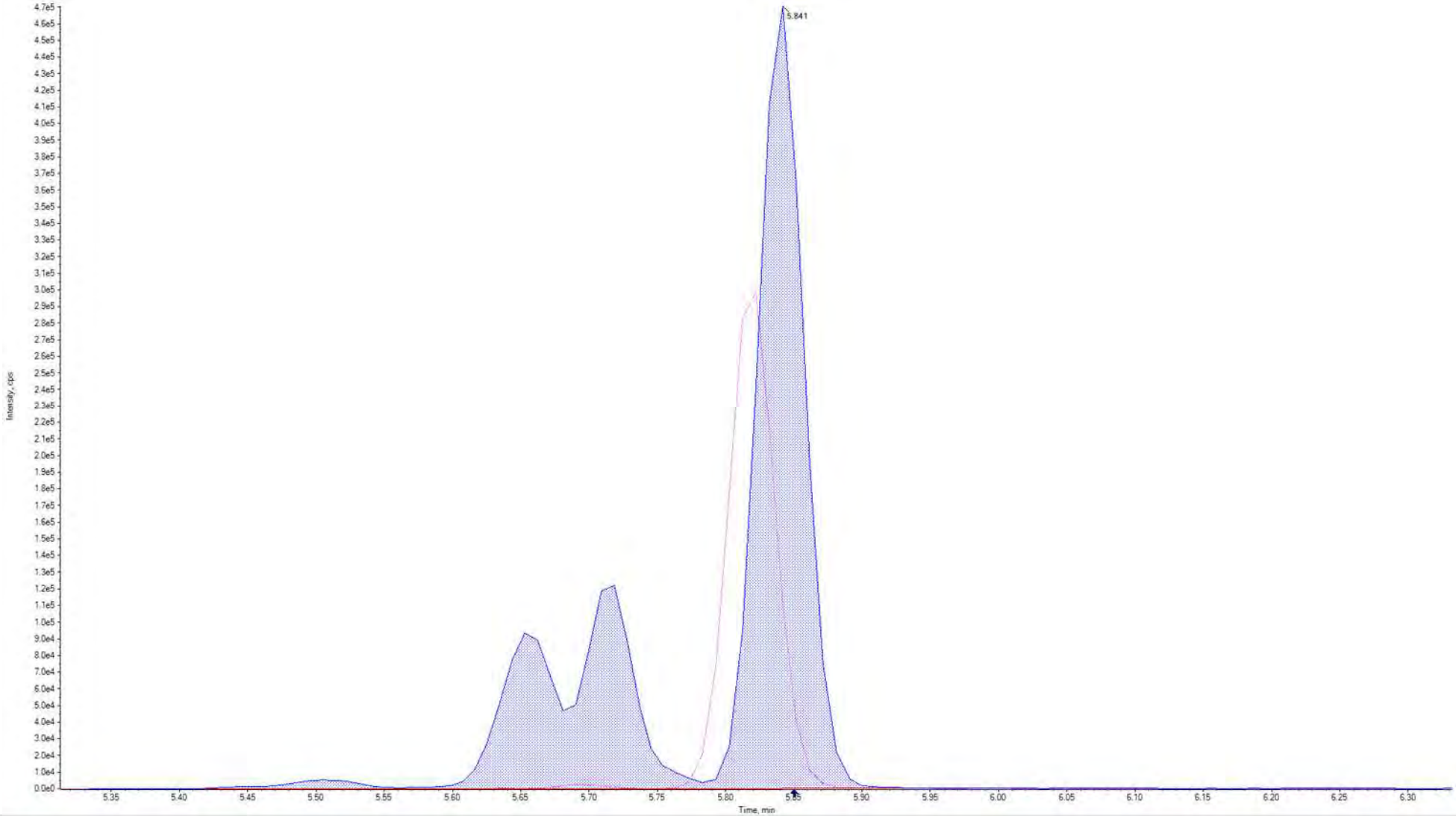
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSAA_2
Sample: IA1633STD-2.5 S/N:286.5 Points Across peak:45



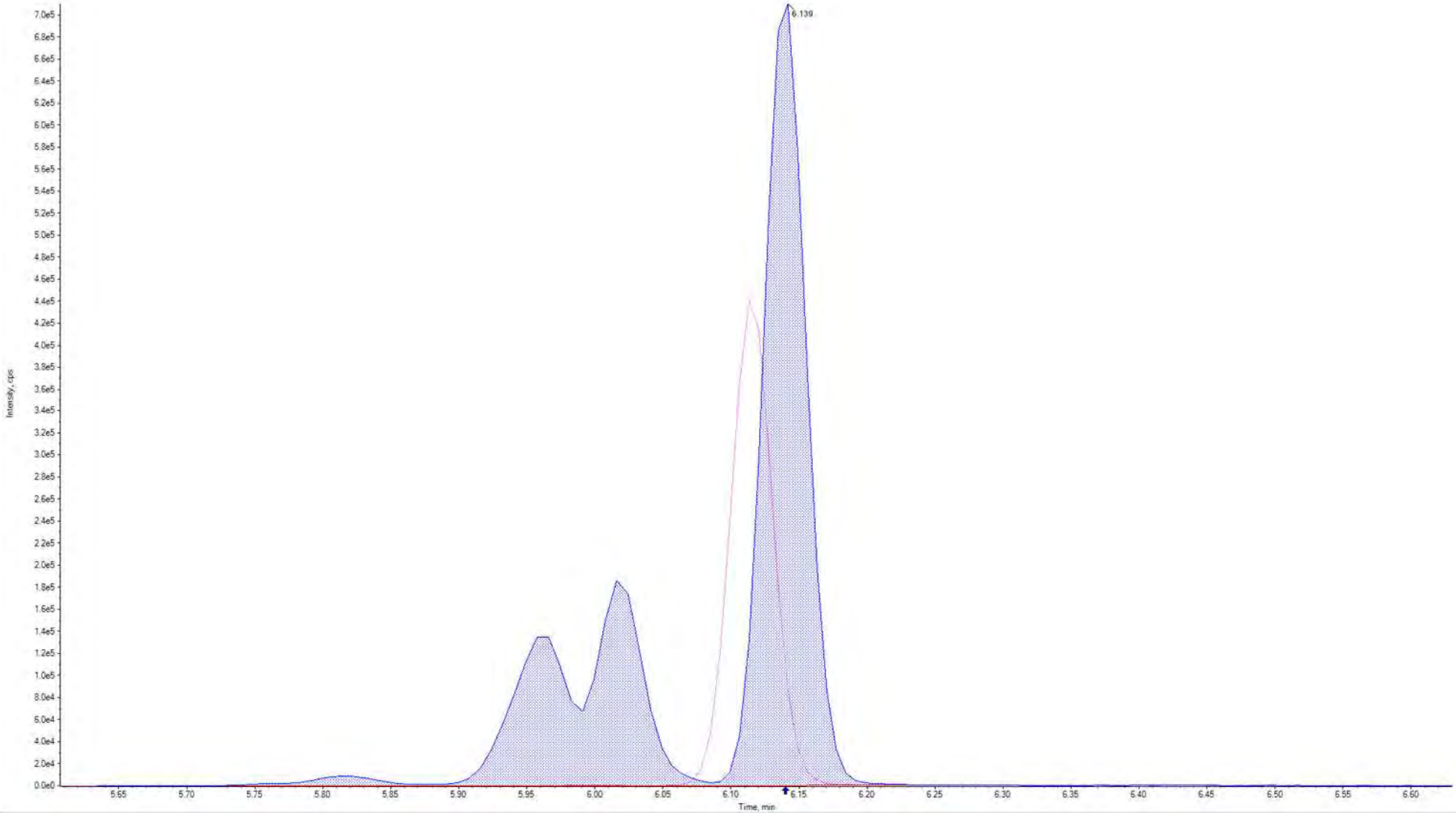
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSE
Sample: IA1633STD-2.5 S/N:245.2 Points Across peak:67



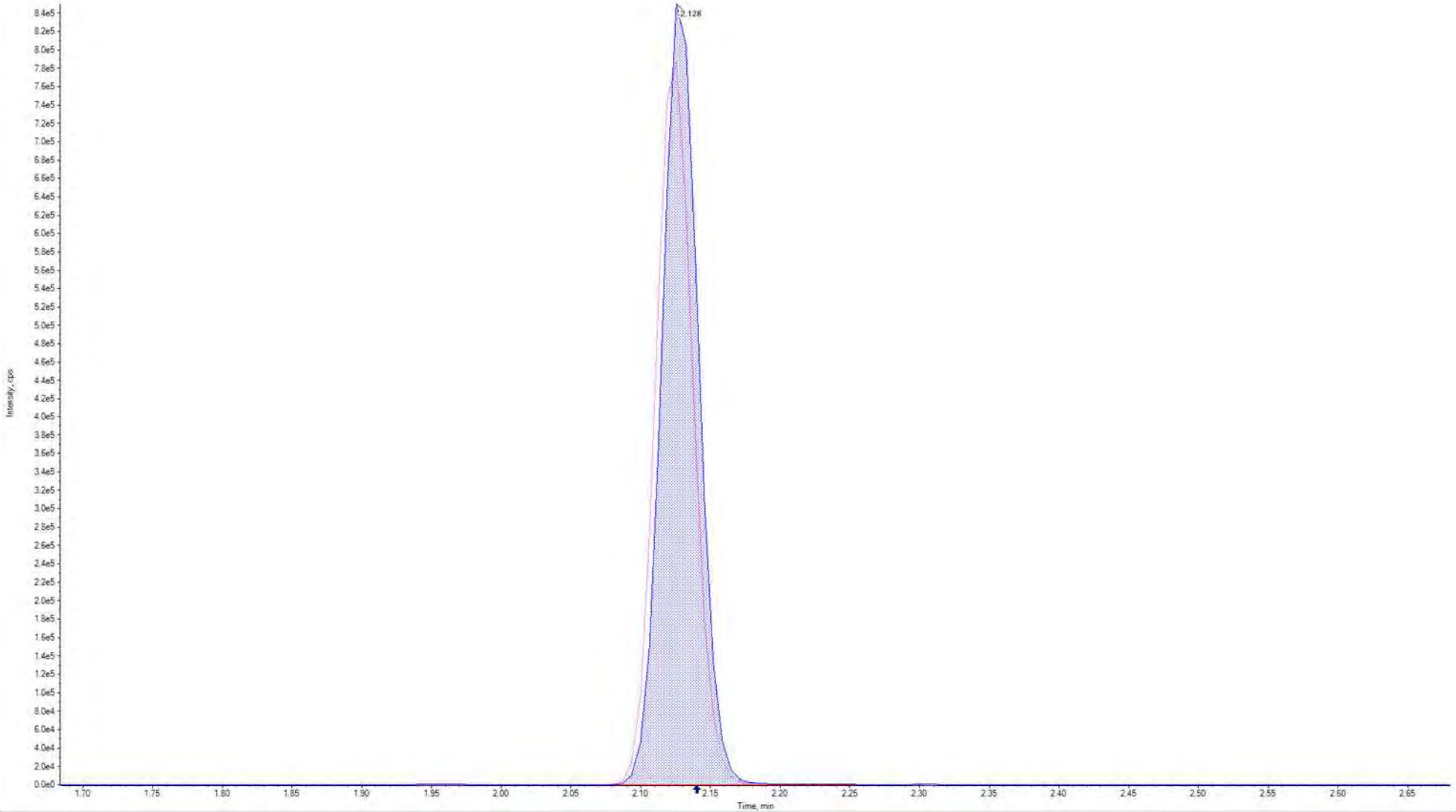
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSE
Sample: IA1633STD-2.5 S/N:424.6 Points Across peak:73



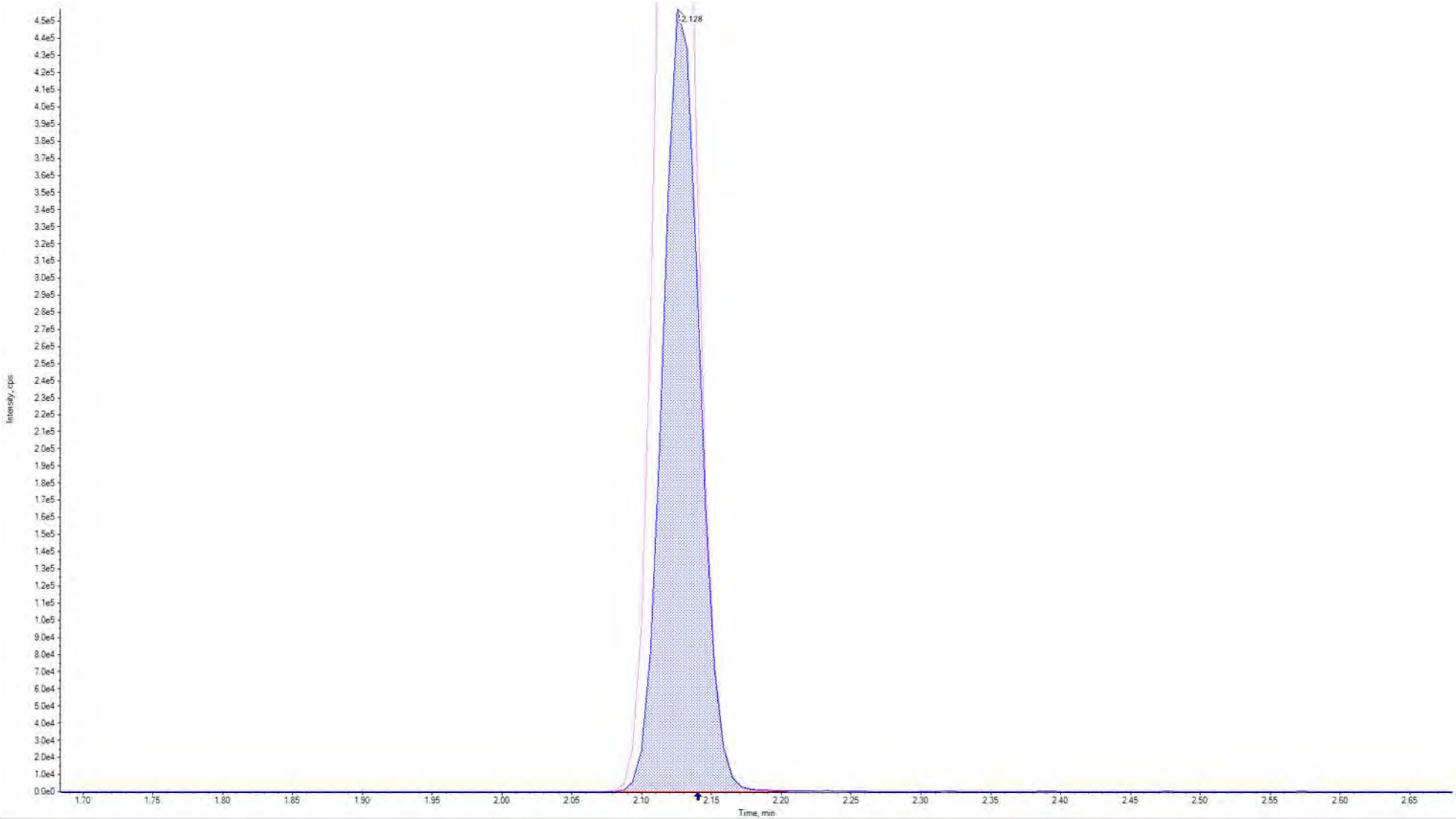
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

HFPO-DA
Sample: IA1633STD-2.5 S/N:19173.5 Points Across peak:32



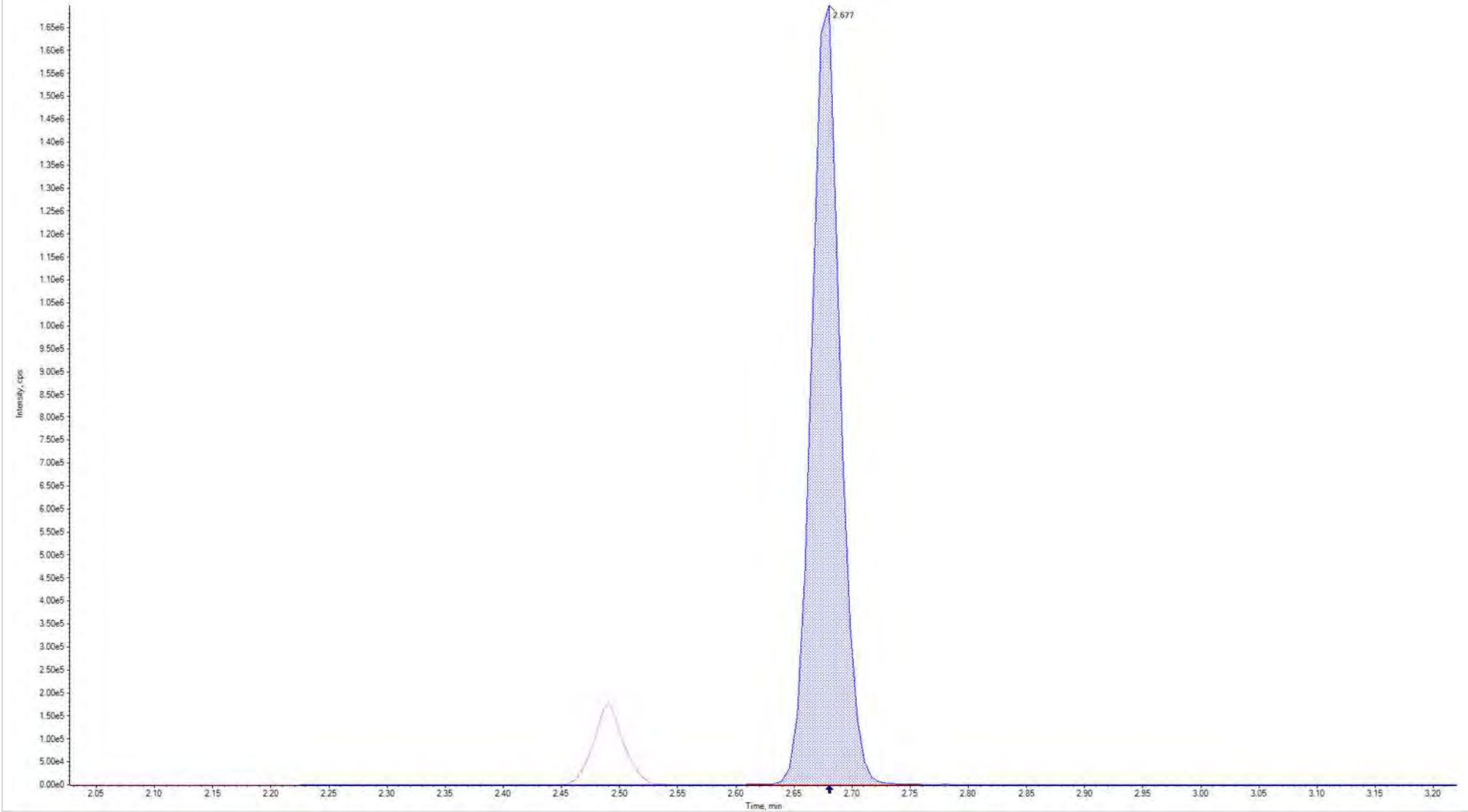
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

HFPO-DA_2
Sample: IA1633STD-2.5 S/N:10309.7 Points Across peak:23



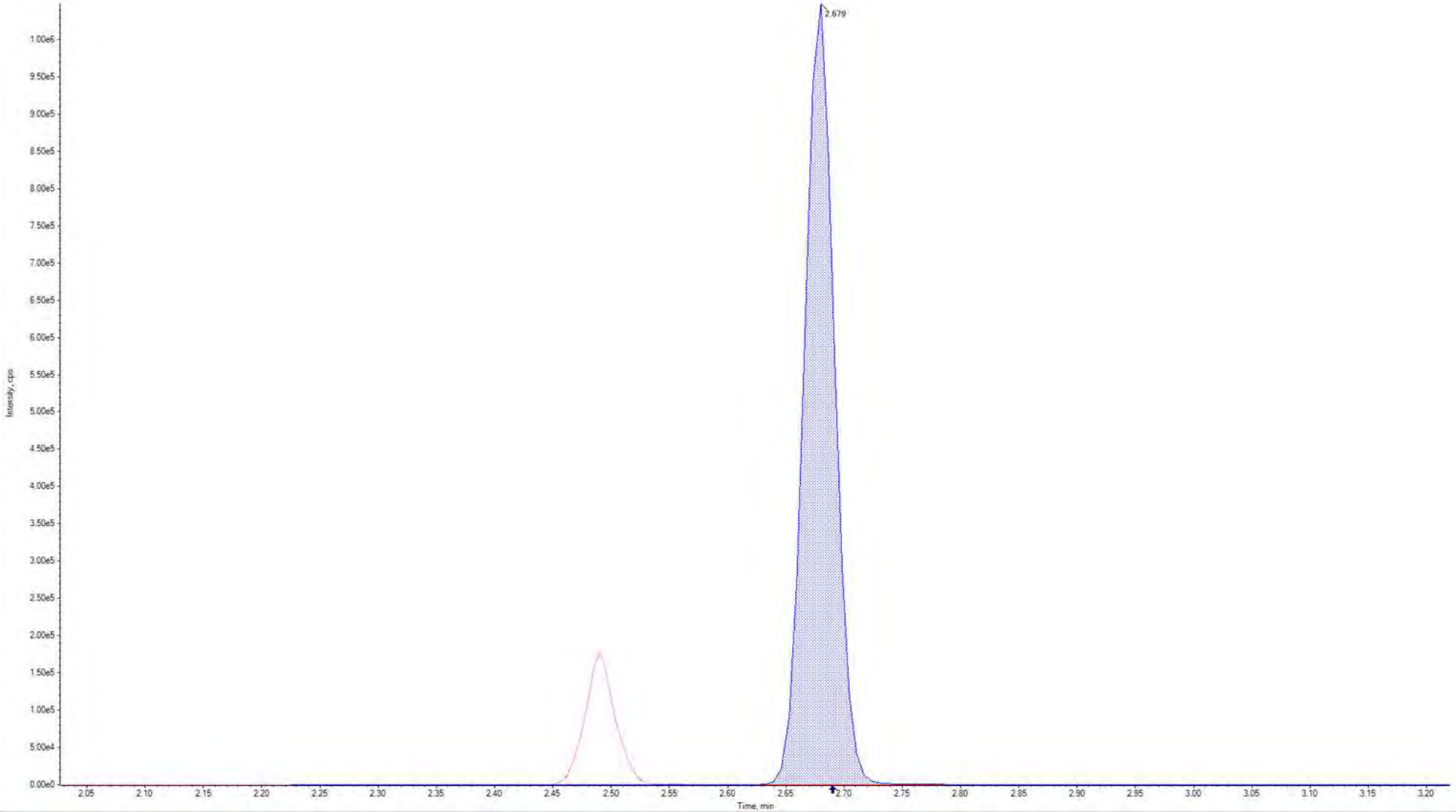
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

ADONA
Sample: IA1633STD-2.5 S/N:34048.6 Points Across peak:30



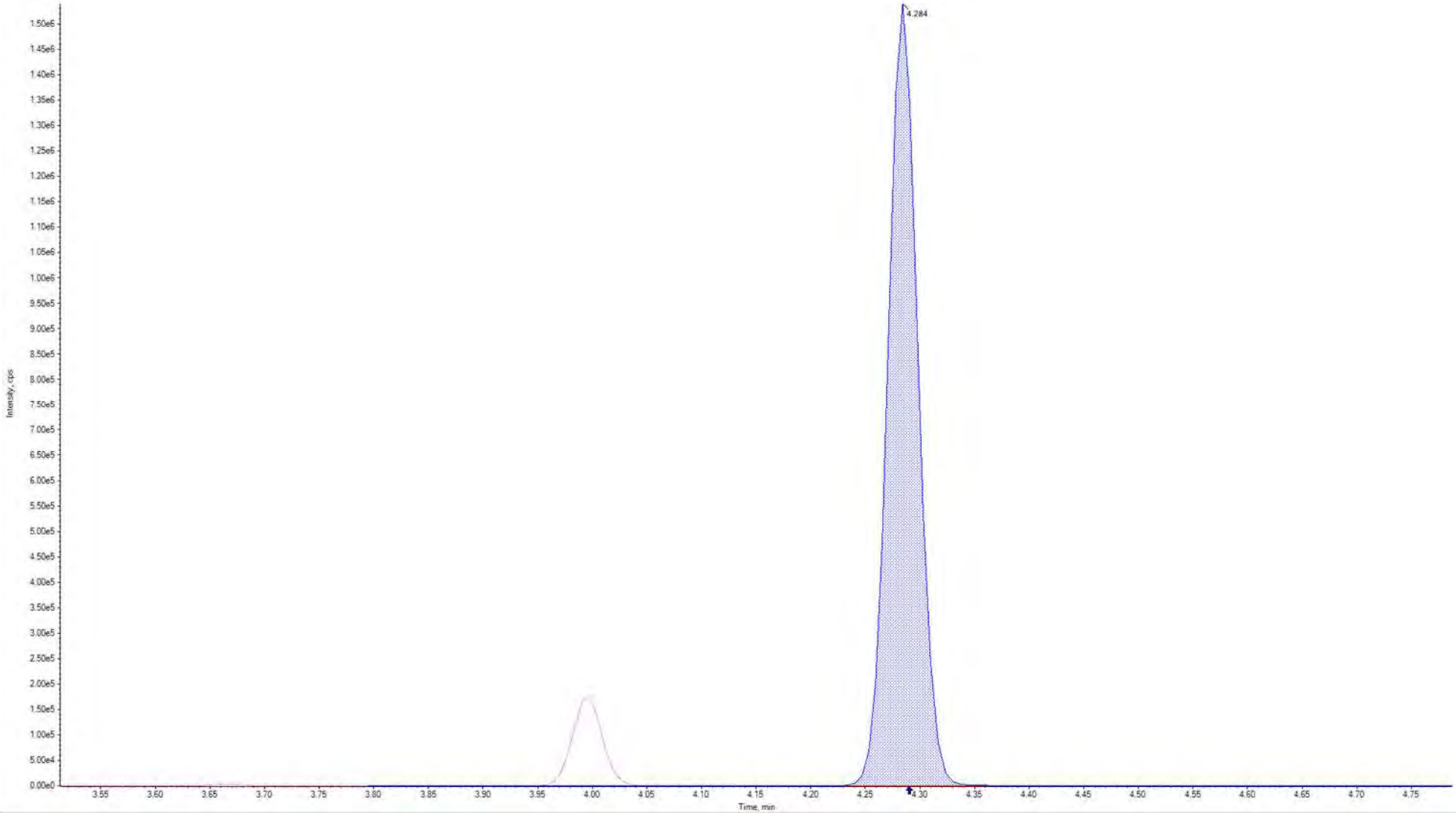
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

ADONA_2
Sample: IA1633STD-2.5 S/N:21010.0 Points Across peak:37



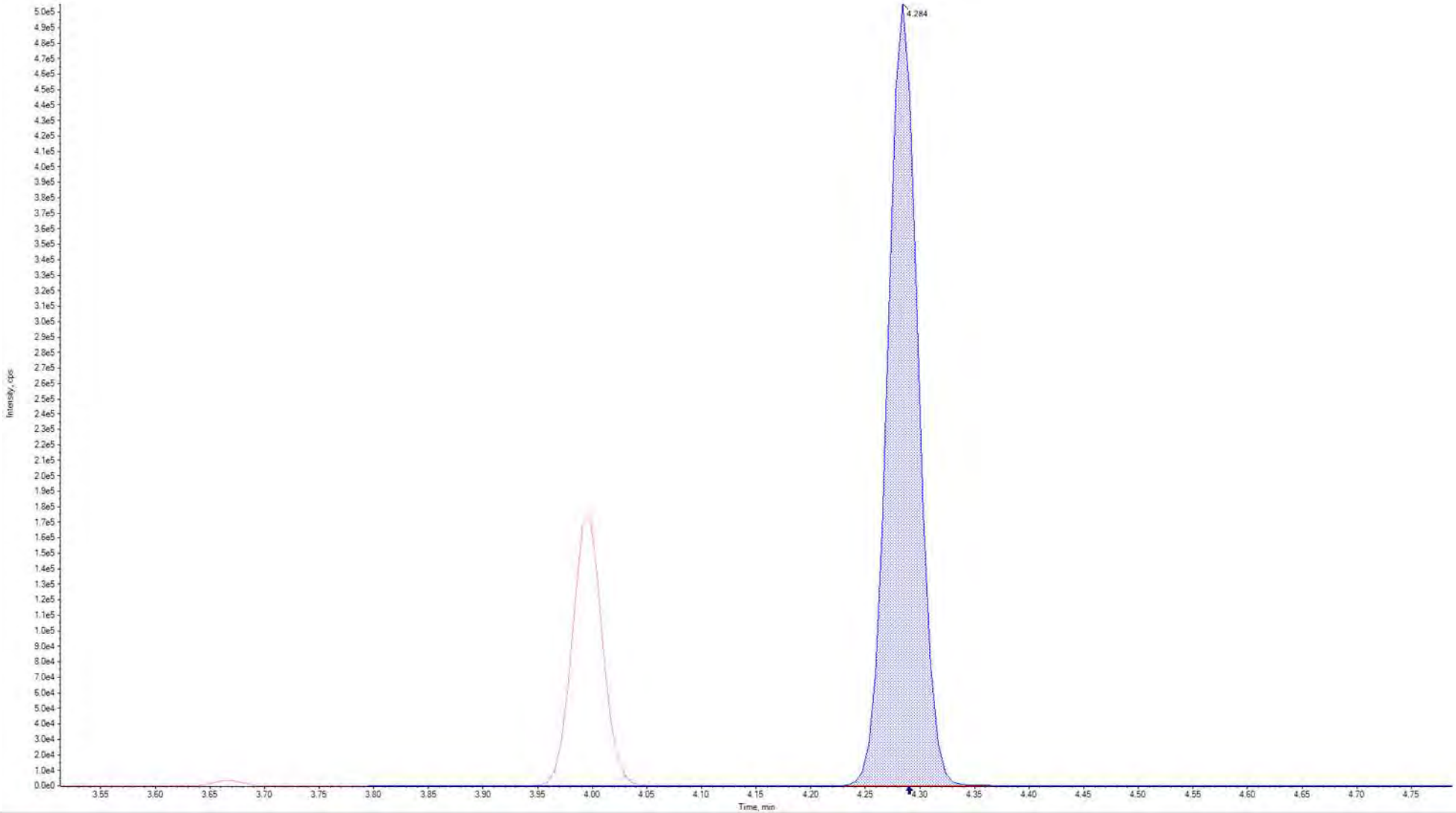
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

9Cl-PF3ONS
Sample: IA1633STD-2.5 S/N:7228.3 Points Across peak:29



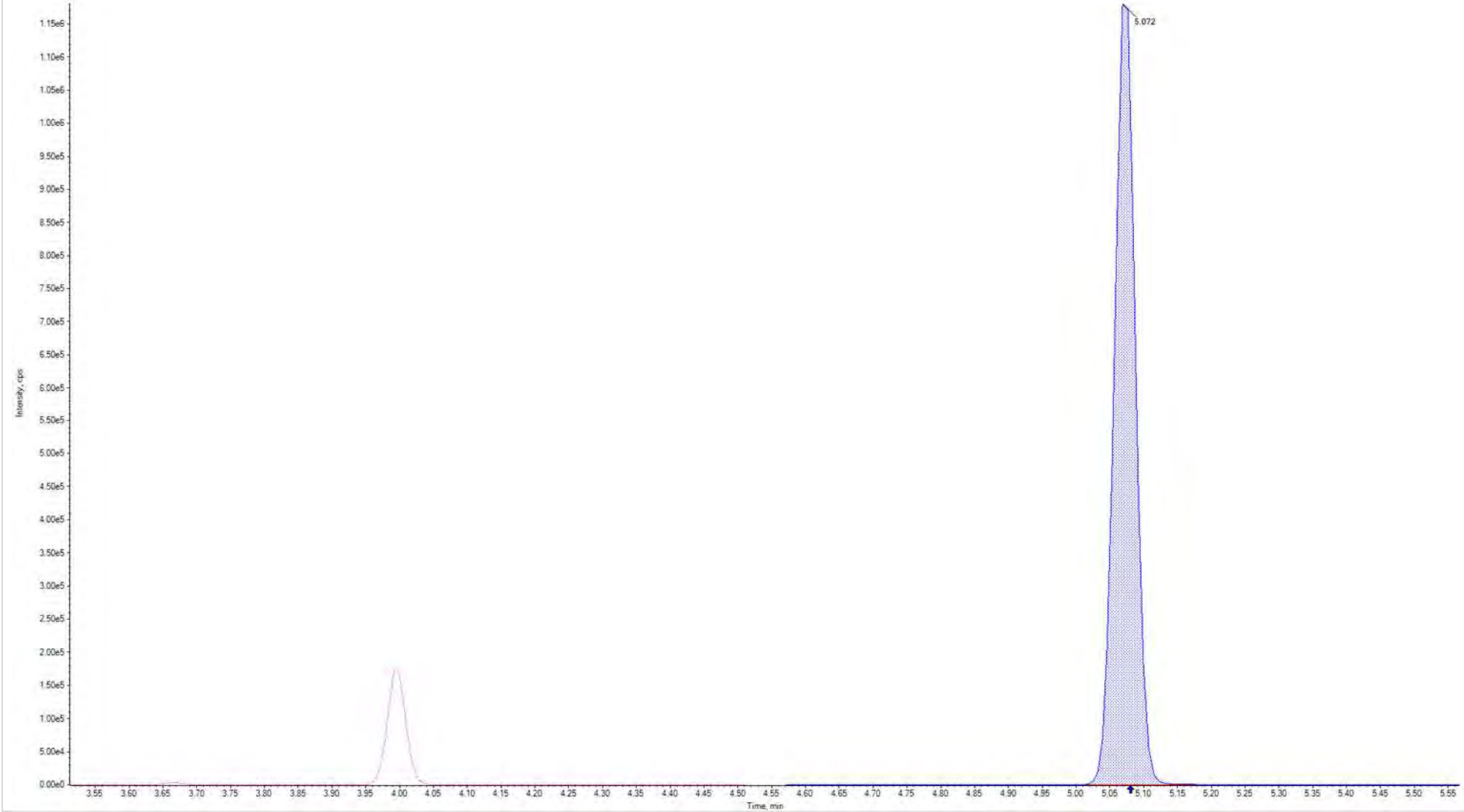
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

9Cl-PF3ONS_2
Sample: IA1633STD-2.5 S/N:5035.6 Points Across peak:29



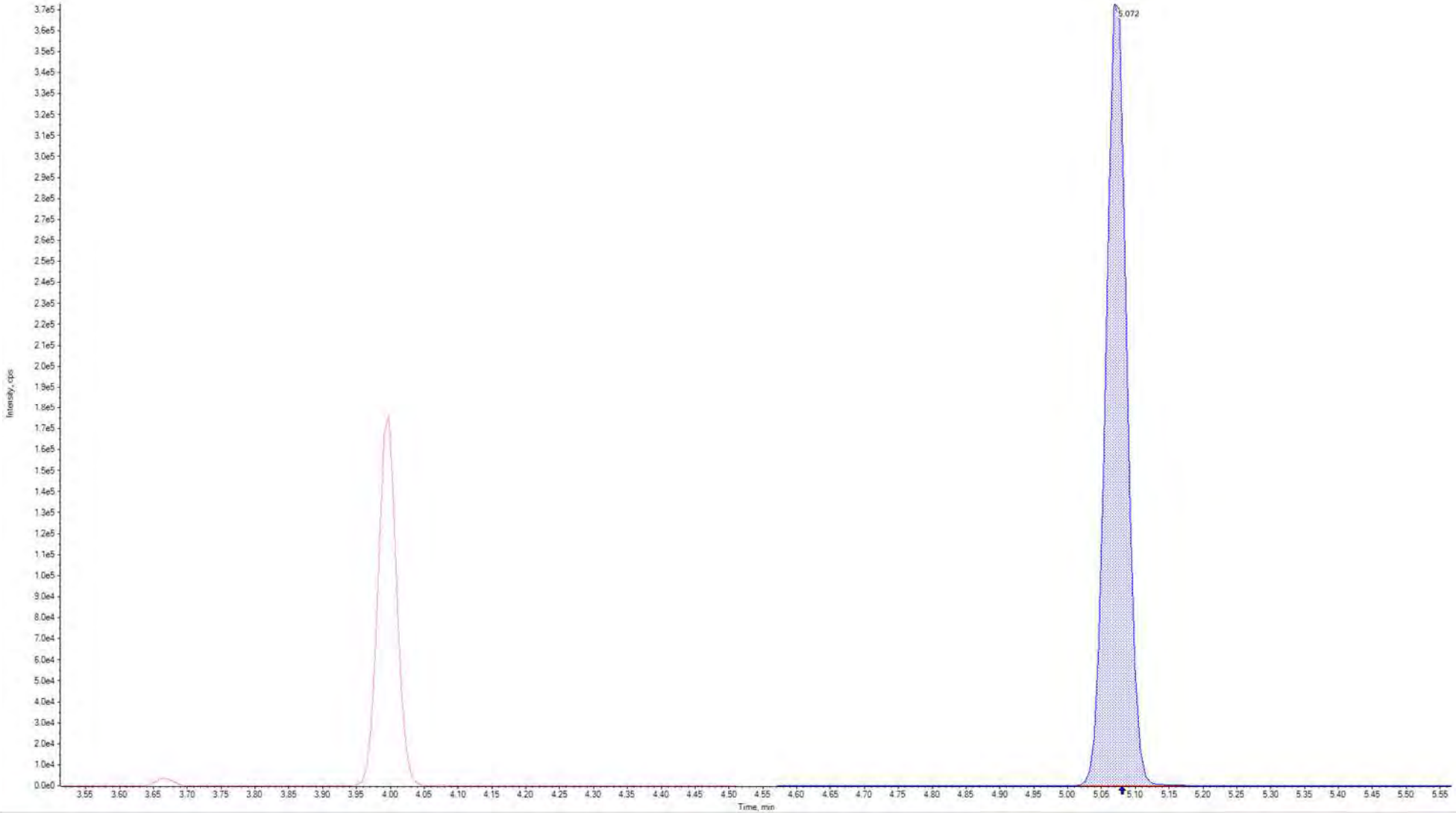
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

11Cl-PF3OUdS
Sample: IA1633STD-2.5 S/N:8576.2 Points Across peak:33



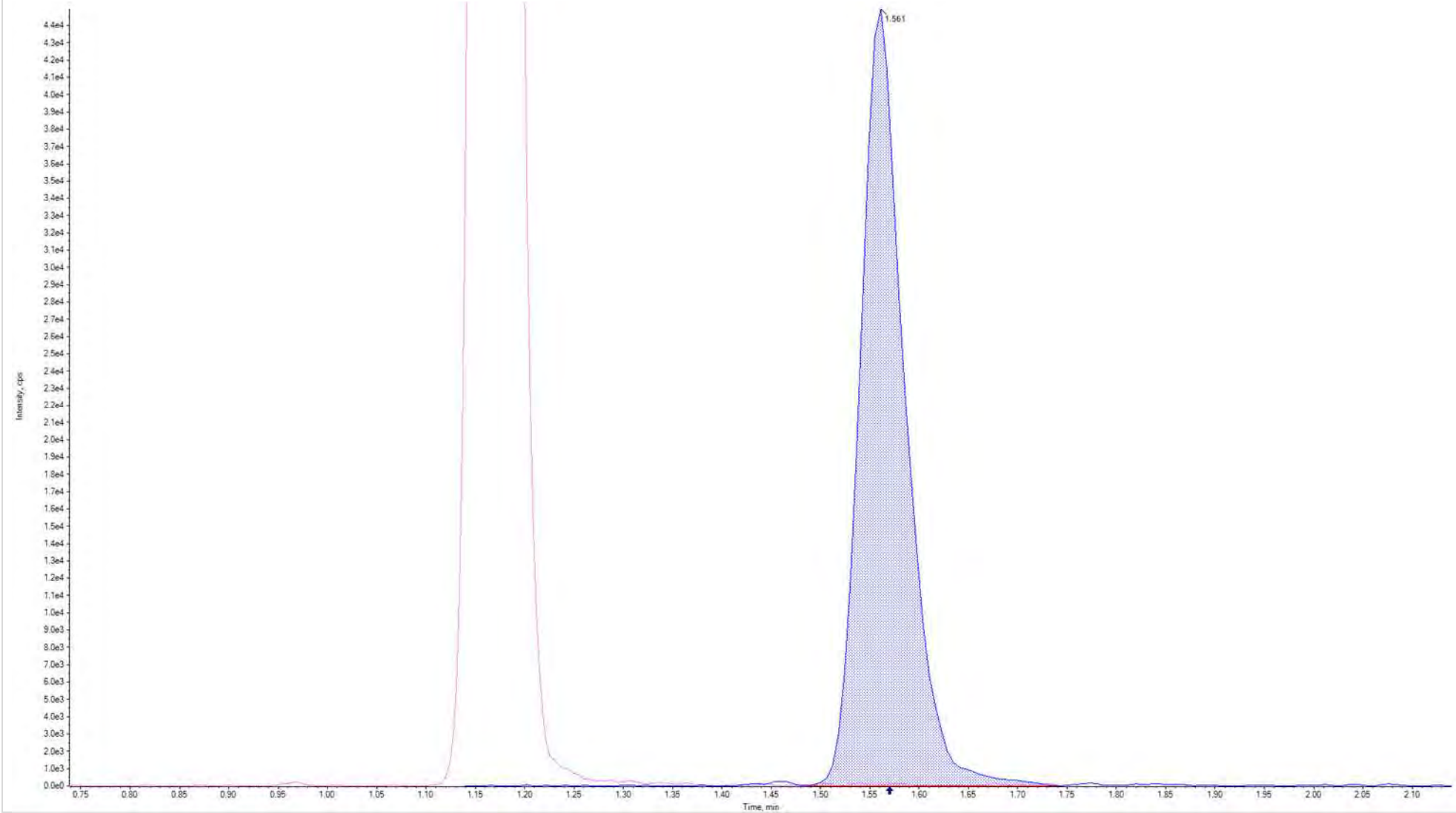
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-2.5 S/N:6051.3 Points Across peak:26



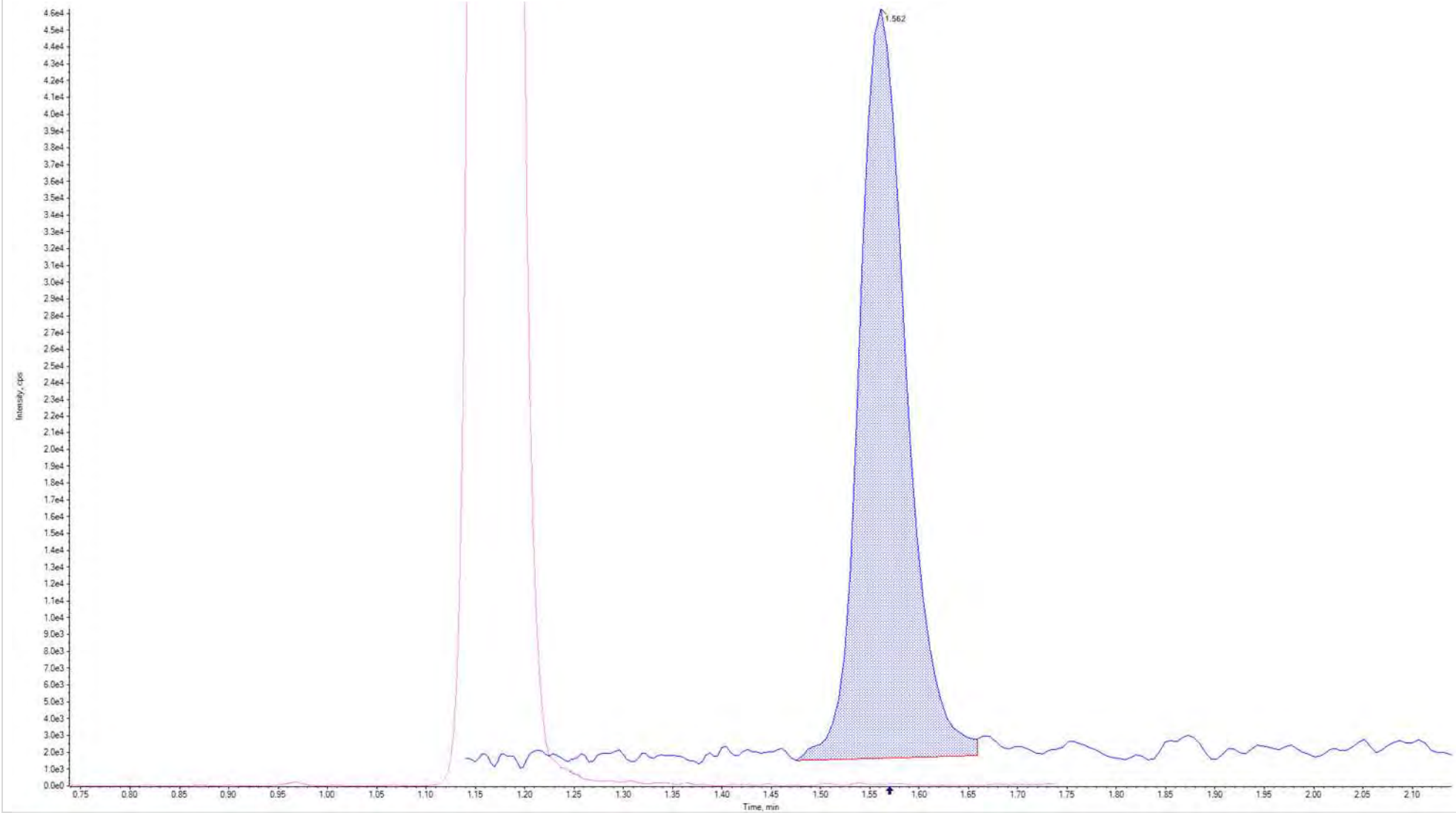
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

3:3FTCA
Sample: IA1633STD-2.5 S/N:1126.4 Points Across peak:42



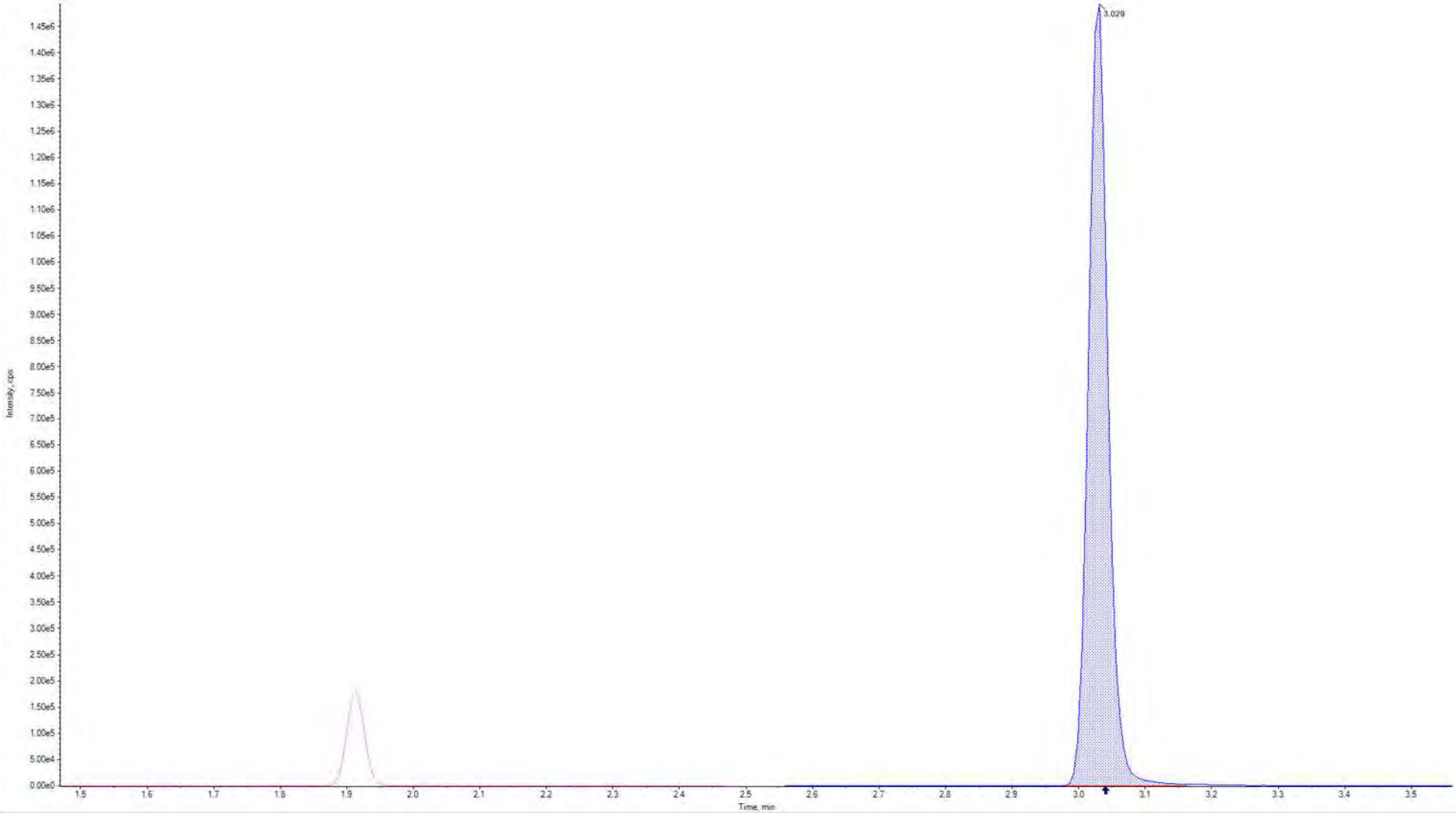
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

3:3FTCA_2
Sample: IA1633STD-2.5 S/N:296.5 Points Across peak:31



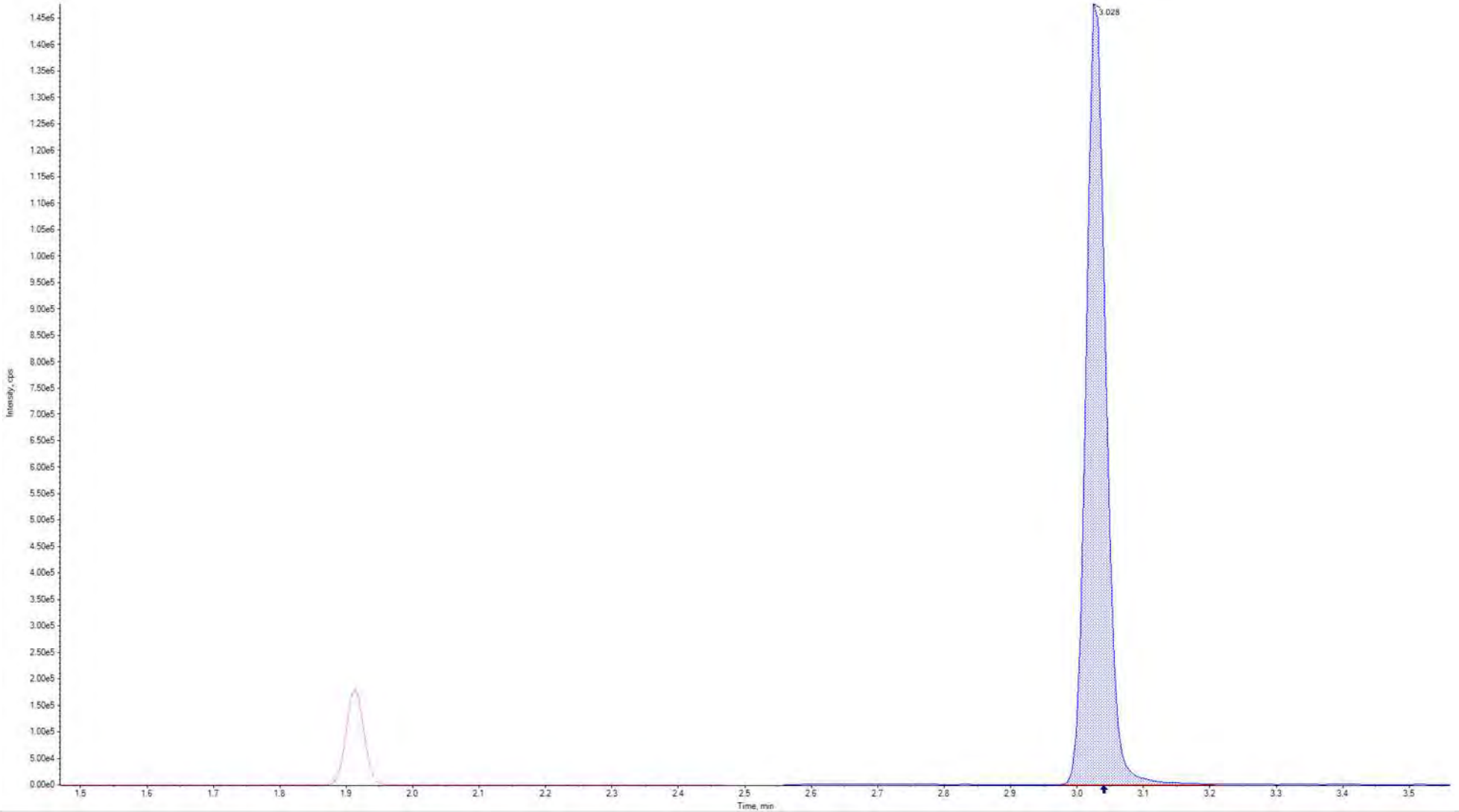
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

5:3FTCA
Sample: IA1633STD-2.5 S/N:16791.7 Points Across peak:33



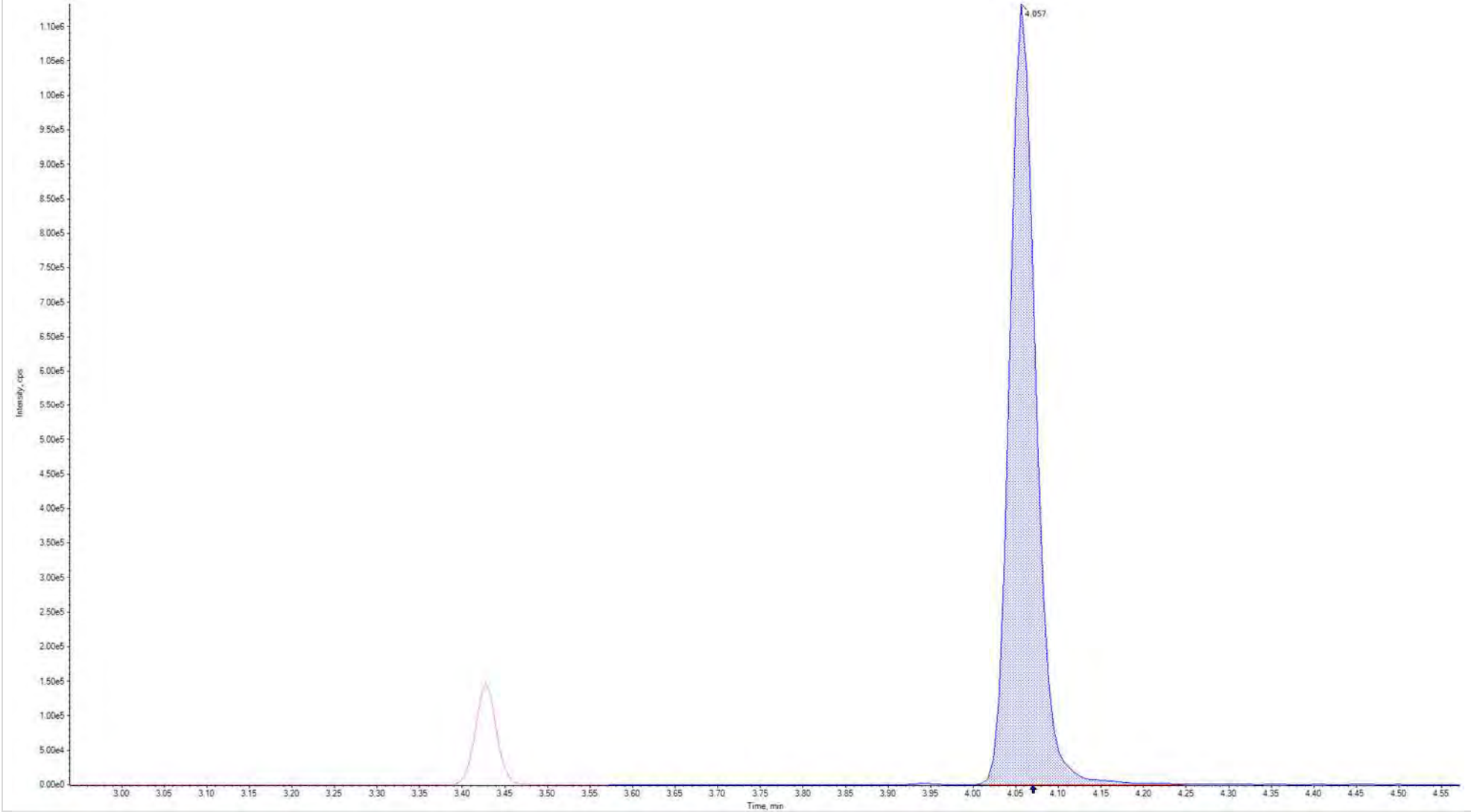
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

5:3FTCA_2
Sample: IA1633STD-2.5 S/N:3939.0 Points Across peak:41



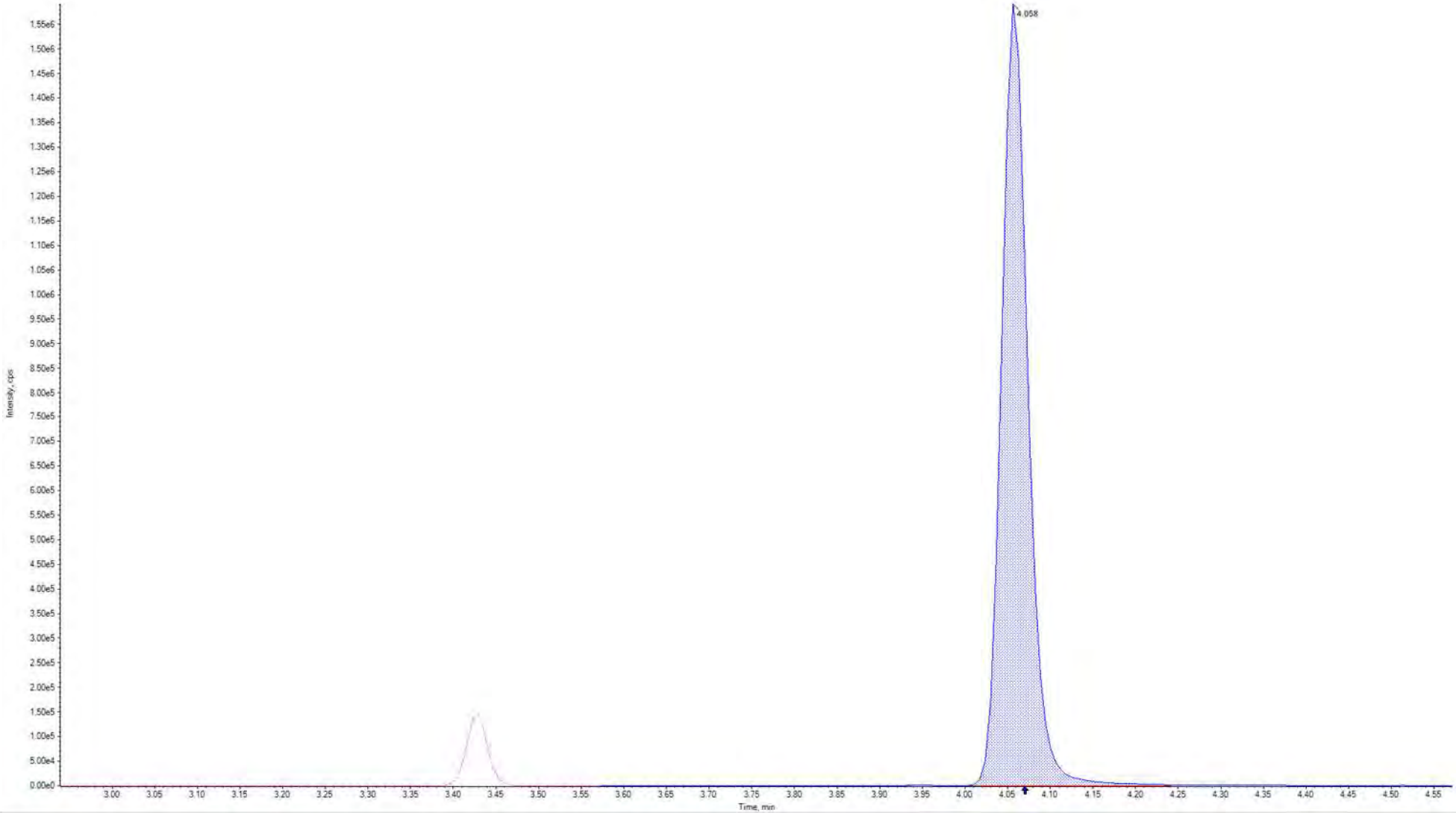
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

7:3FTCA
Sample: IA1633STD-2.5 S/N:27615.5 Points Across peak:43



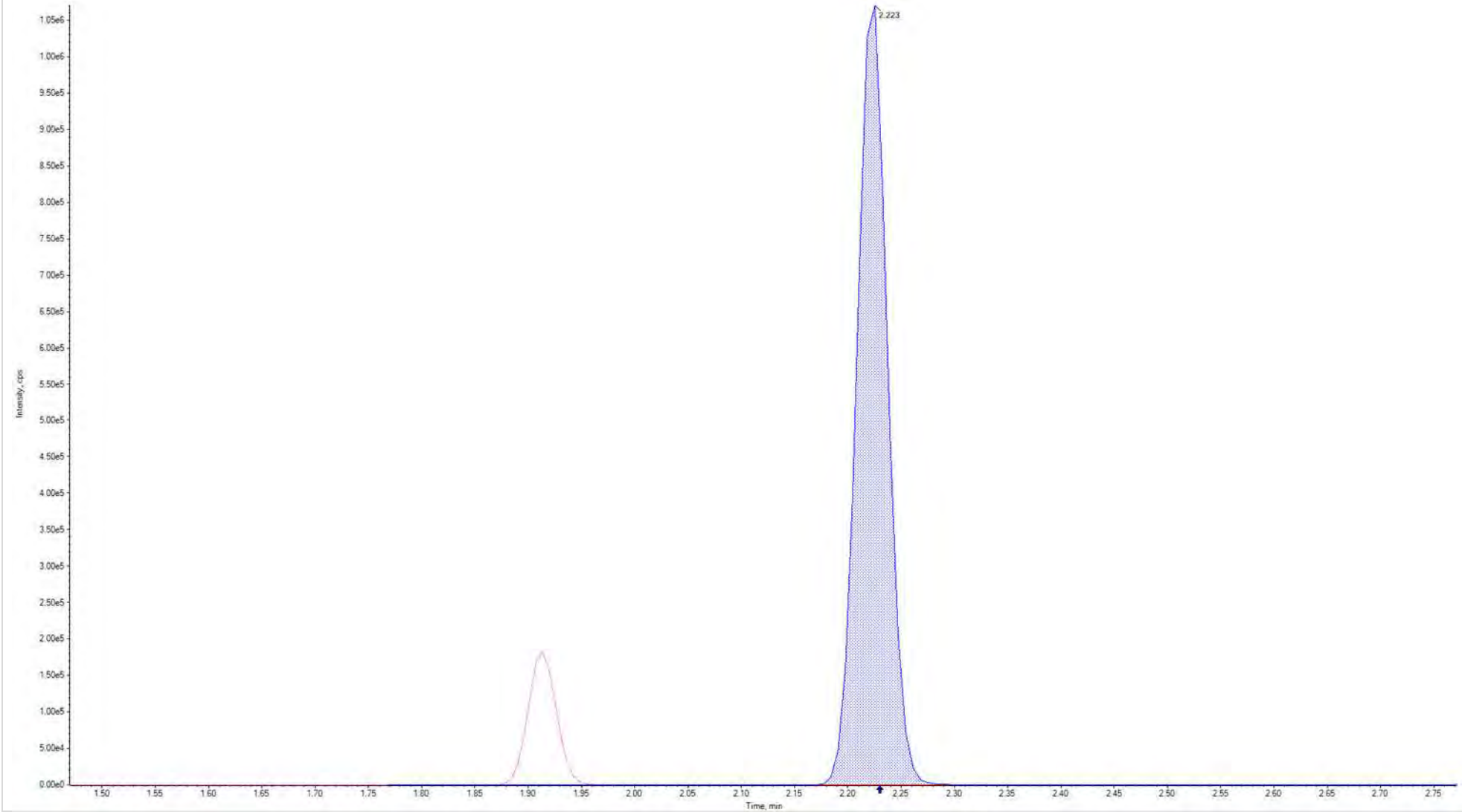
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

7:3FTCA_2
Sample: IA1633STD-2.5 S/N:43881.1 Points Across peak:41



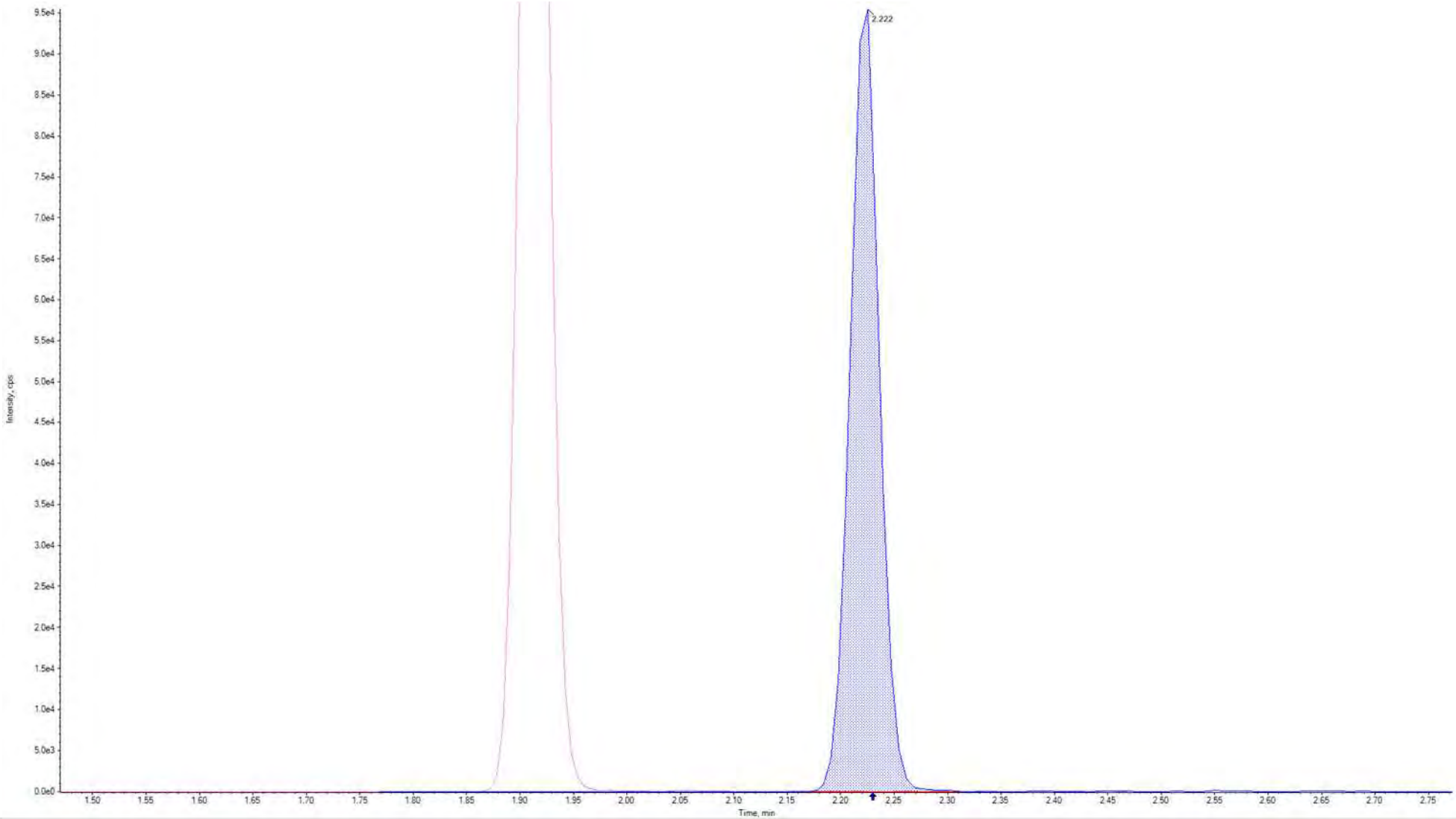
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFEESA
Sample: IA1633STD-2.5 S/N:7787.1 Points Across peak:31



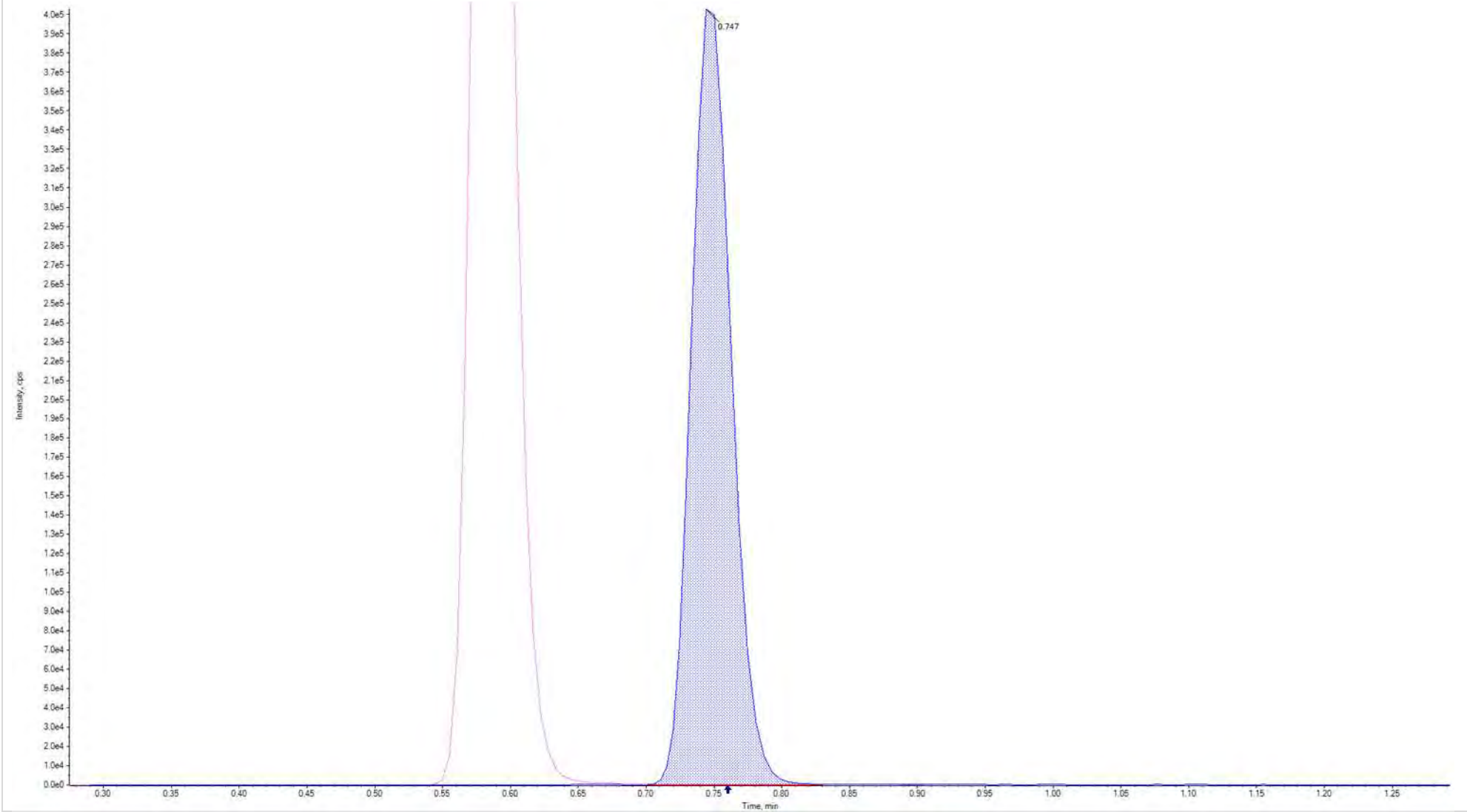
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFEESA_2
Sample: IA1633STD-2.5 S/N:2153.2 Points Across peak:28



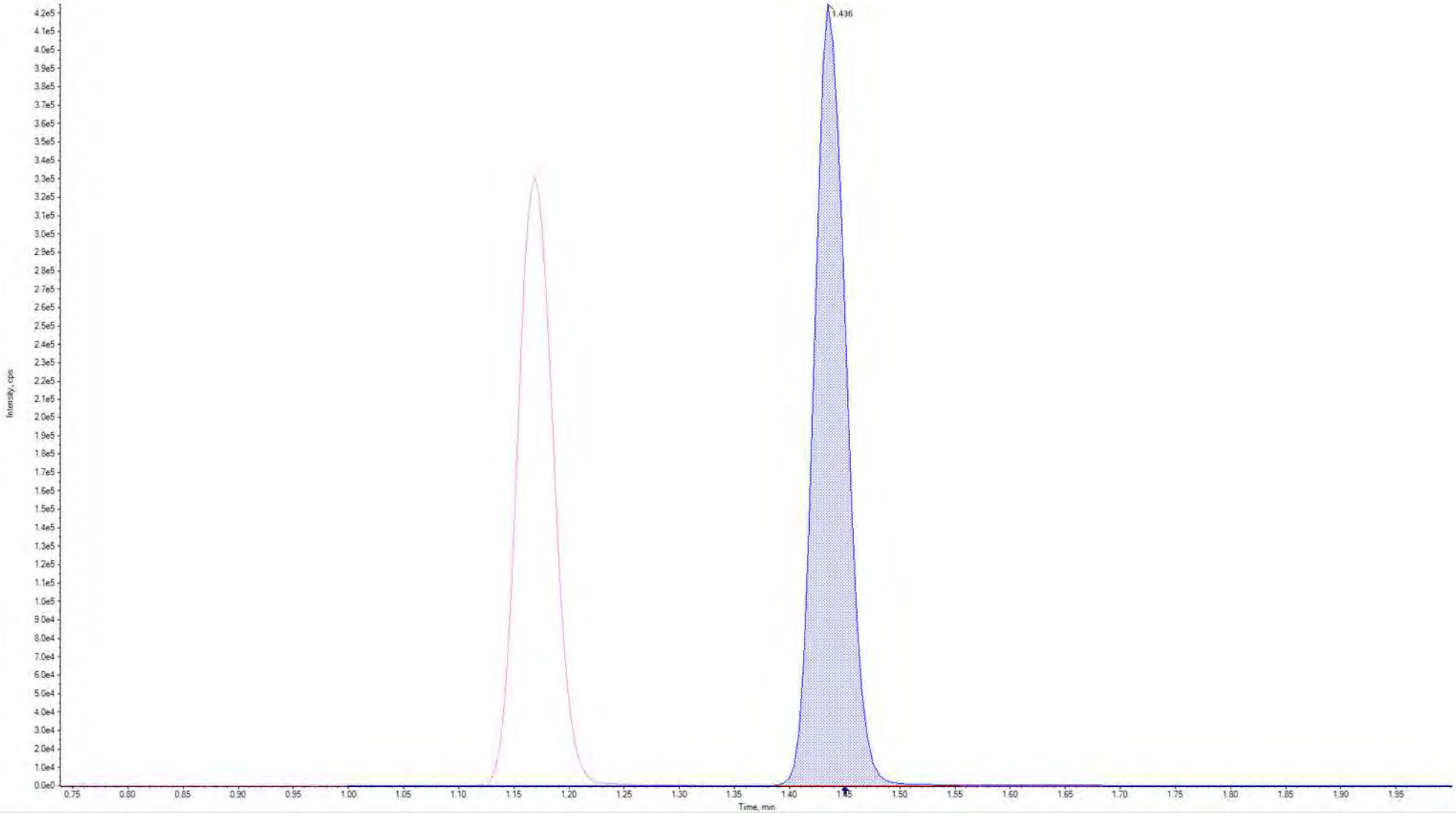
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFMPA
Sample: IA1633STD-2.5 S/N:9746.5 Points Across peak:26



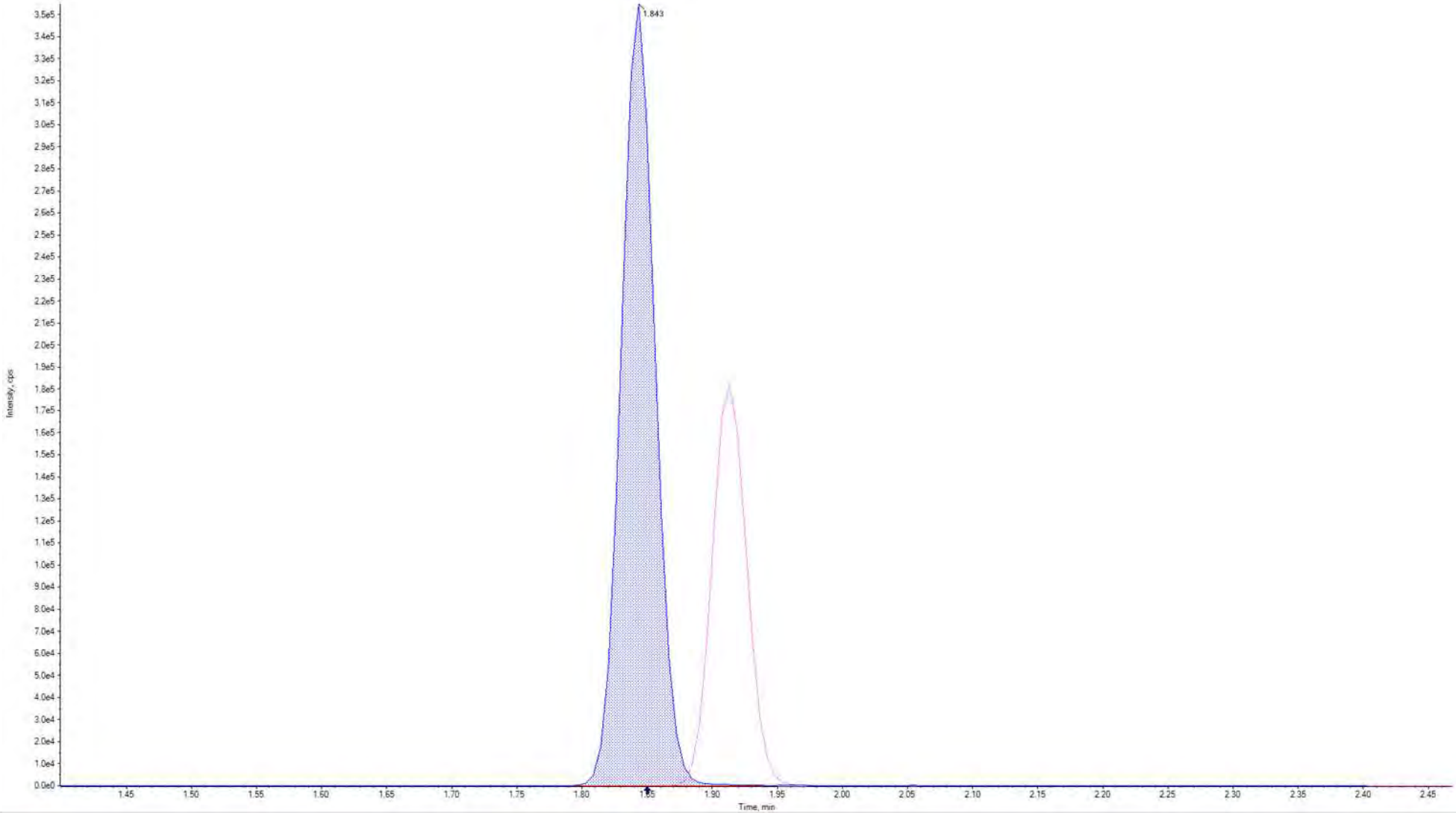
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFMBA
Sample: IA1633STD-2.5 S/N:24501.7 Points Across peak:38



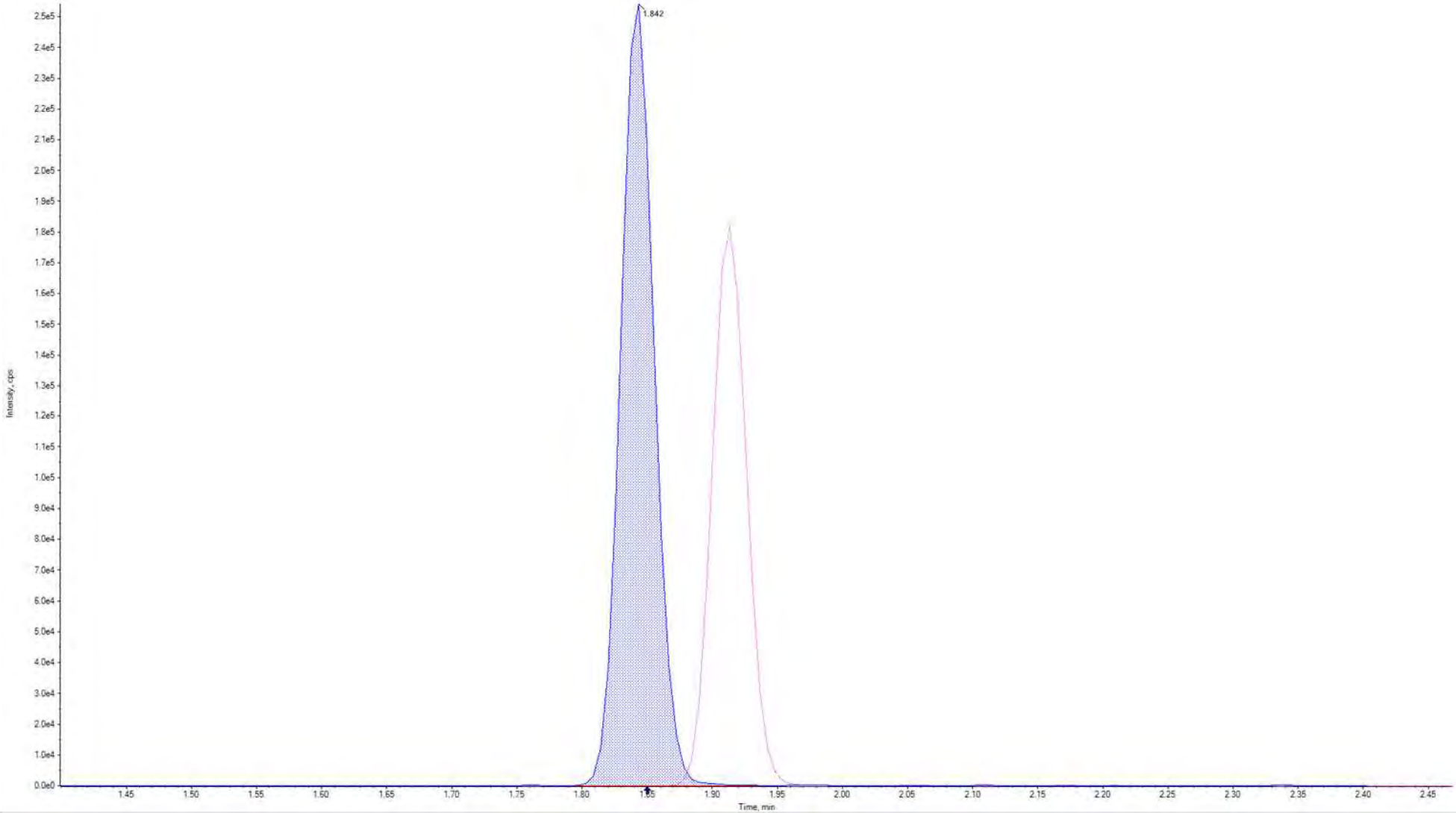
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NFDHA
Sample: IA1633STD-2.5 S/N:4606.8 Points Across peak:31



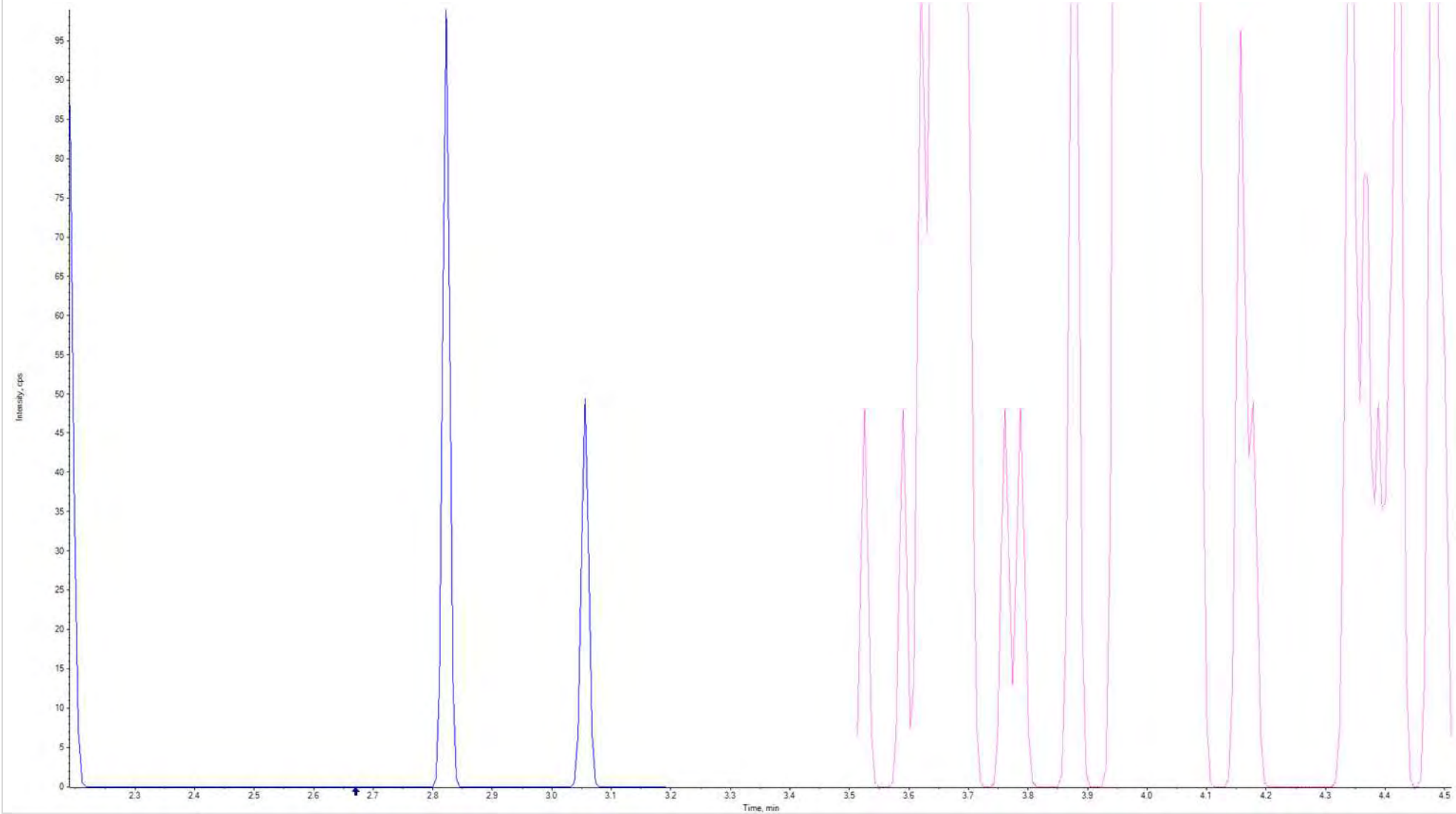
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NFDHA_2
Sample: IA1633STD-2.5 S/N:7007.0 Points Across peak:29



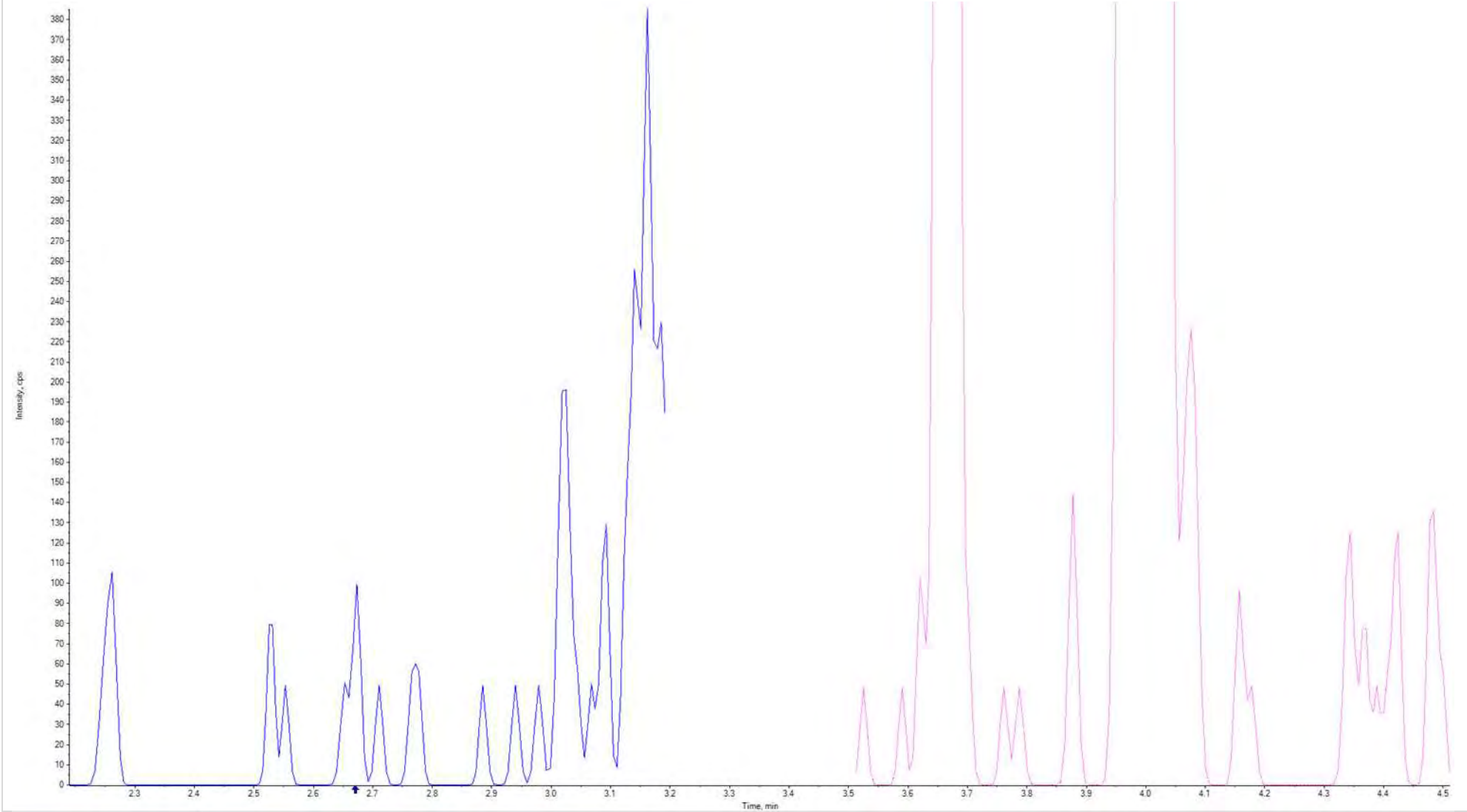
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

TDCA
Sample: IA1633STD-2.5 S/N:N/A Points Across peak:N/A



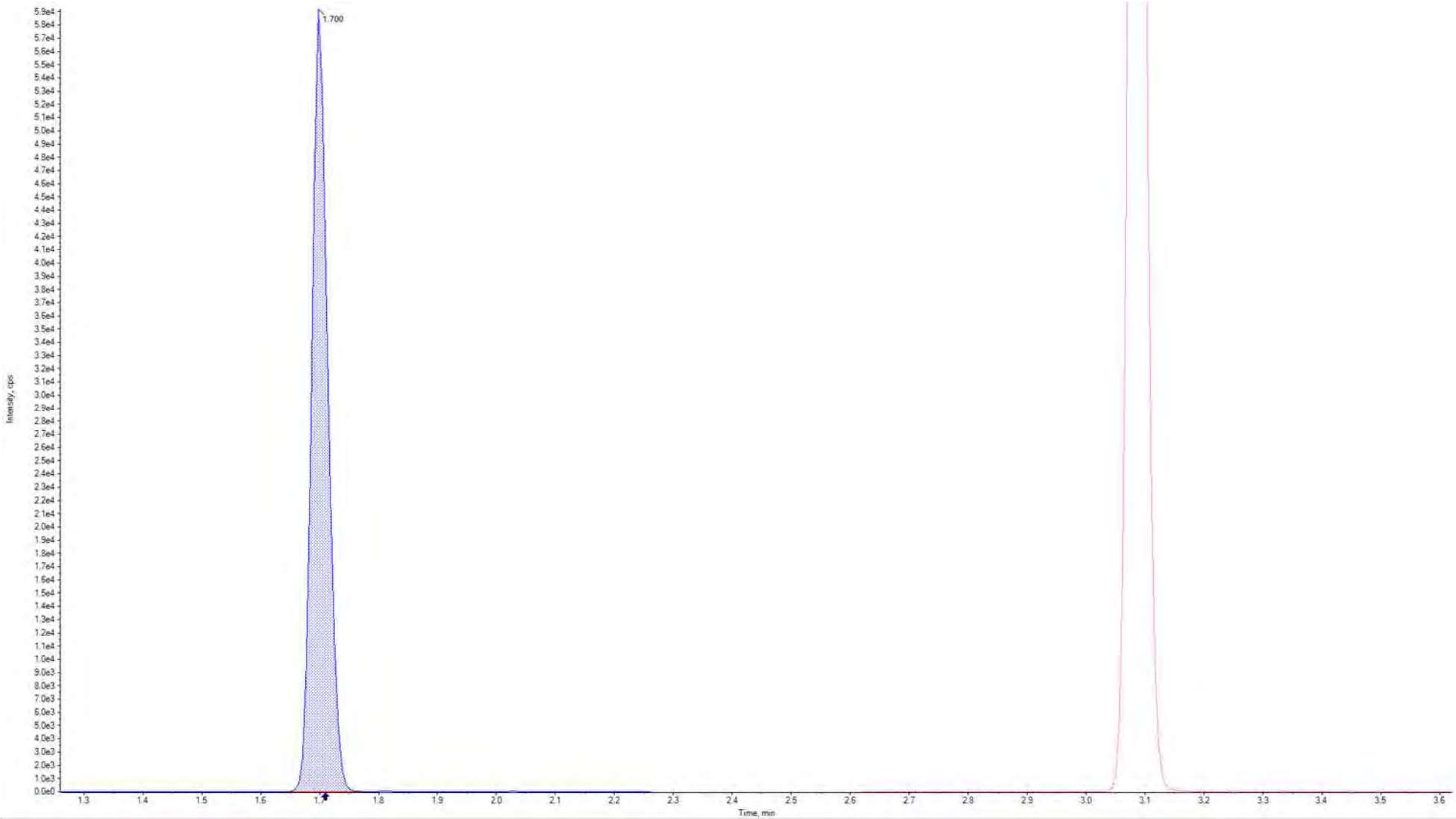
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

TDCA_2
Sample: IA1633STD-2.5 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

13C2D4-4:2FTS
Sample: IA1633STD-2.5 S/N:2225.8 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\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
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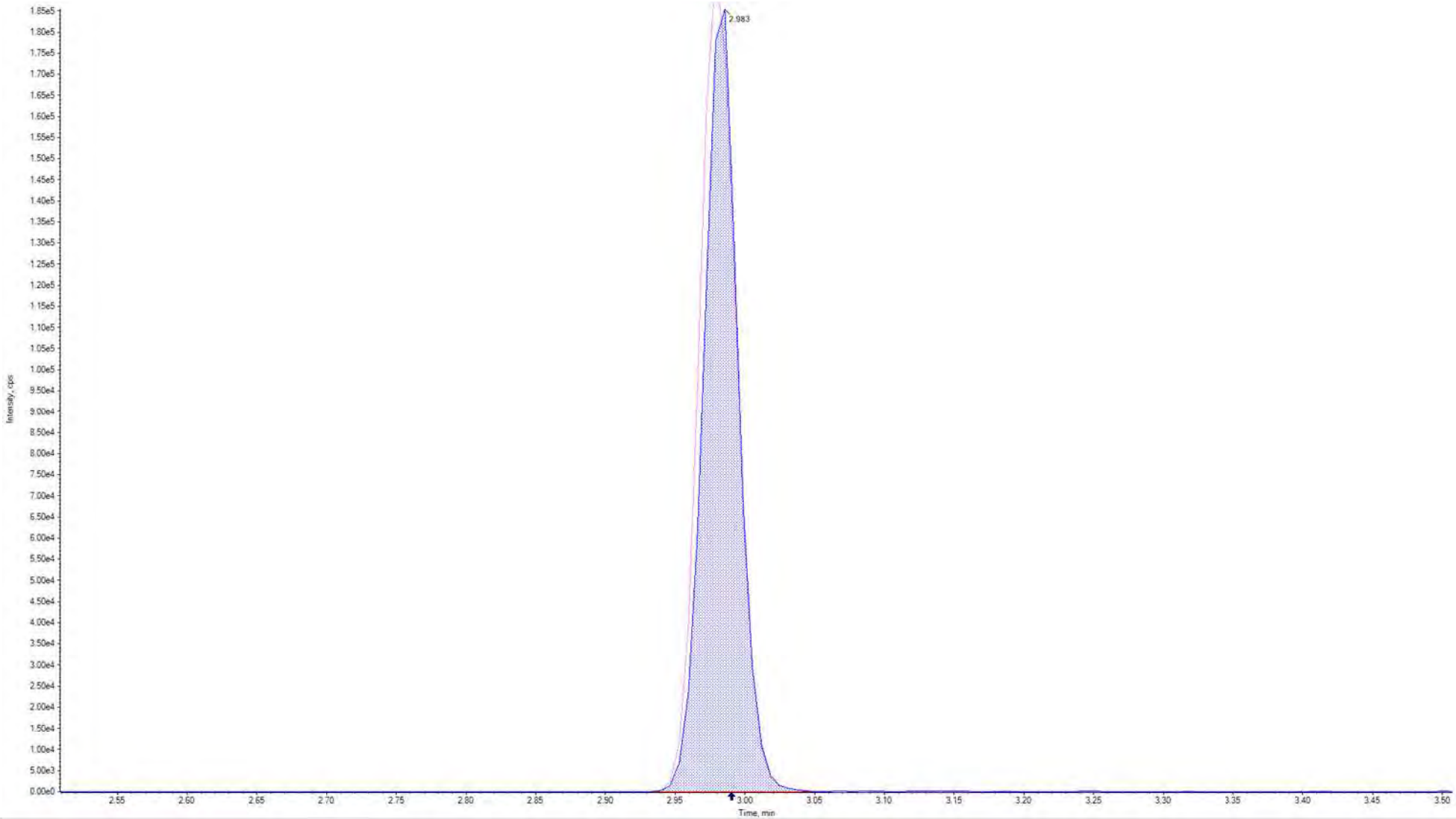
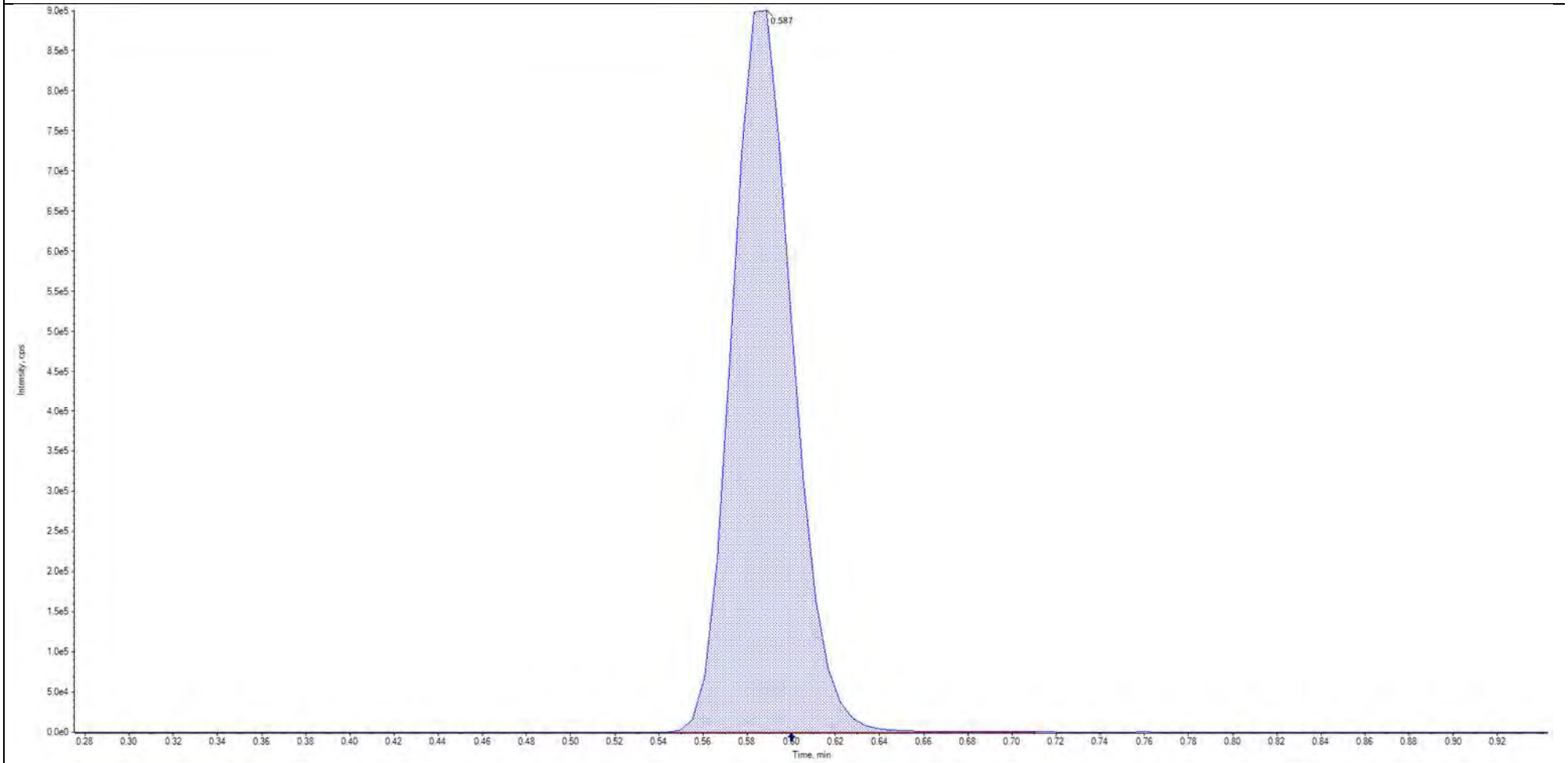
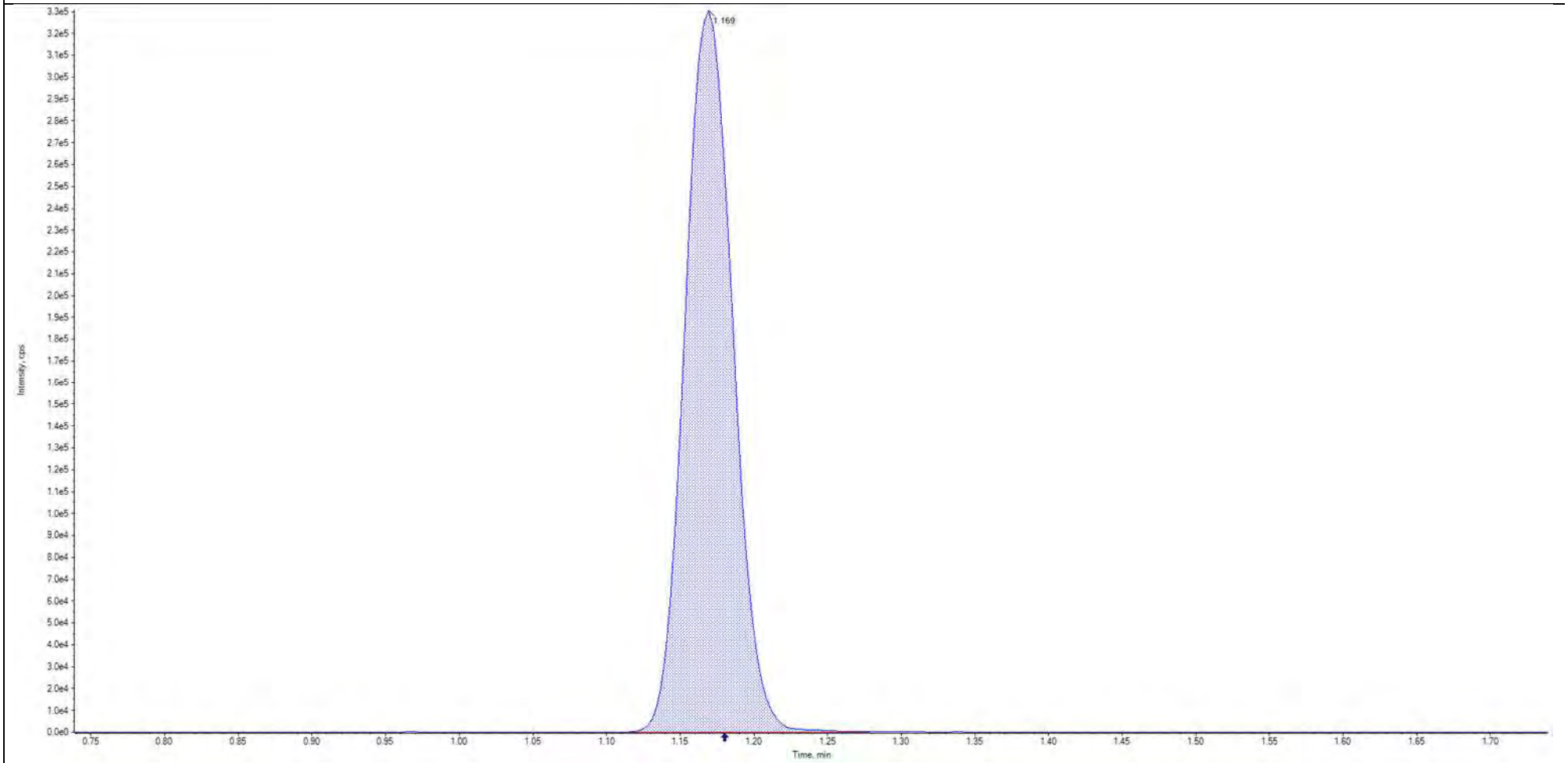
13C2-PFOA
Sample: IA1633STD-2.5 S/N:4182.6 Points Across peak:22



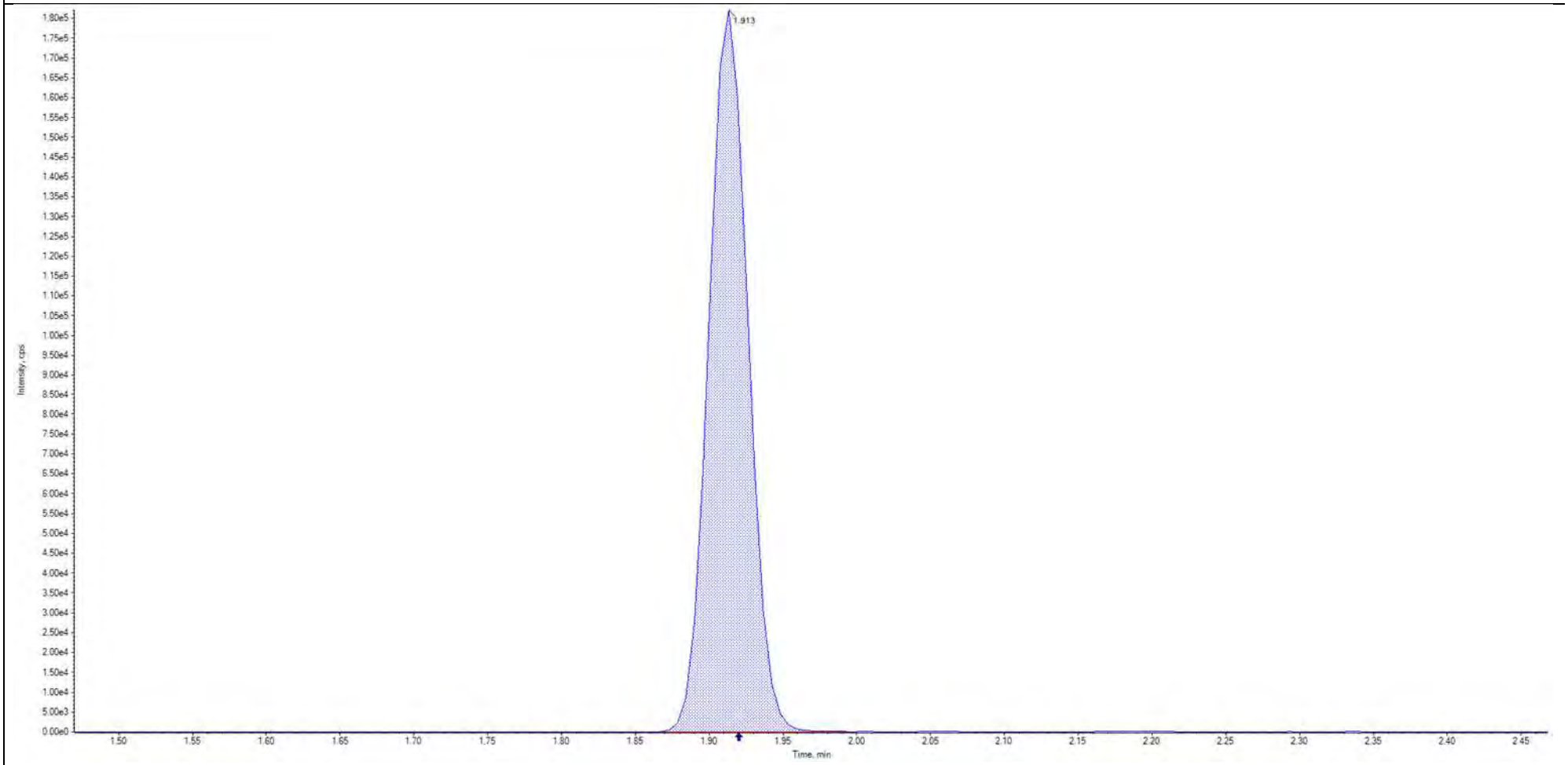
13C4-PFBA
Sample: IA1633STD-2.5



13C5-PFPeA
Sample: IA1633STD-2.5



13C5-PFHxA
Sample: IA1633STD-2.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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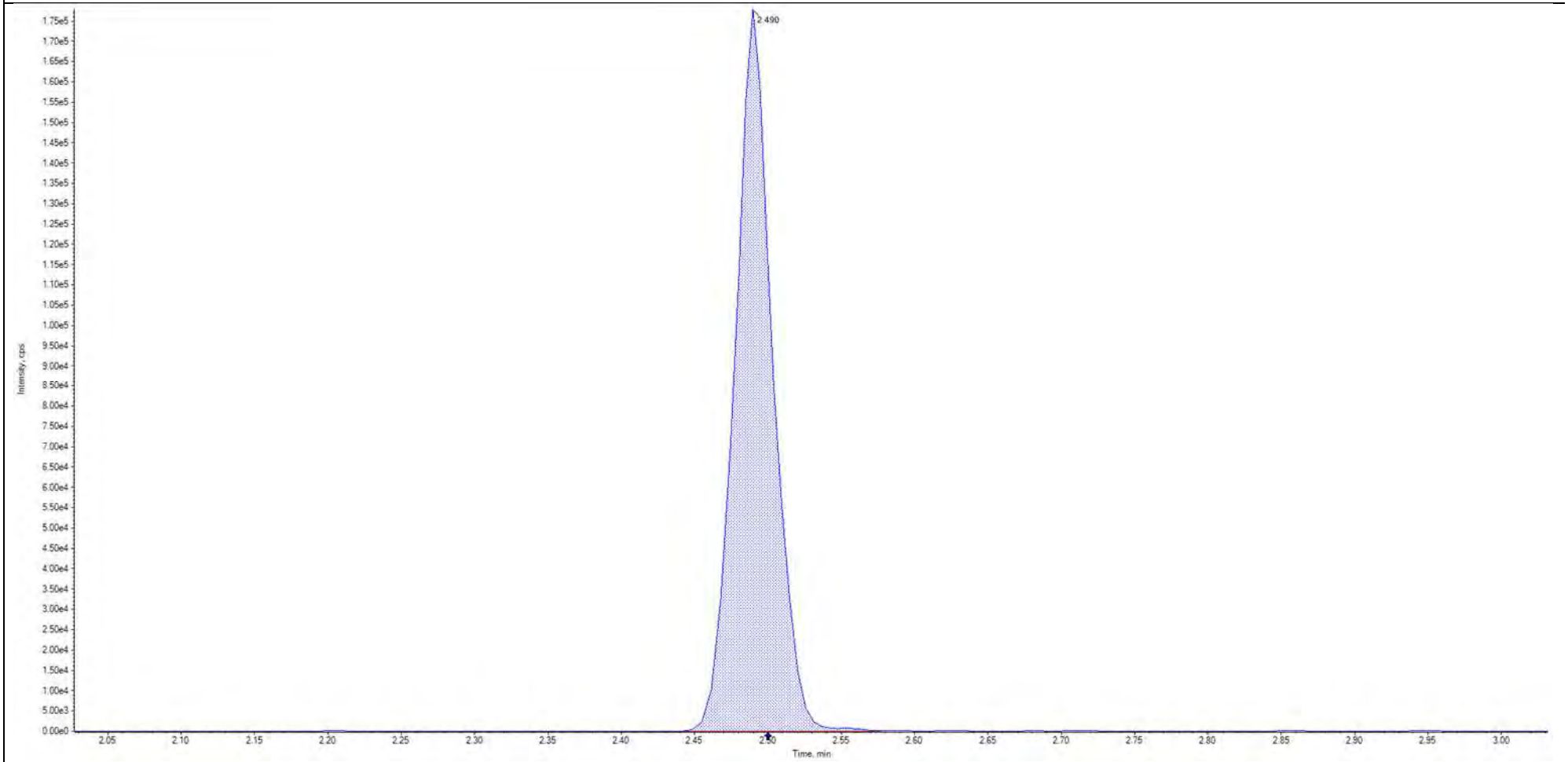
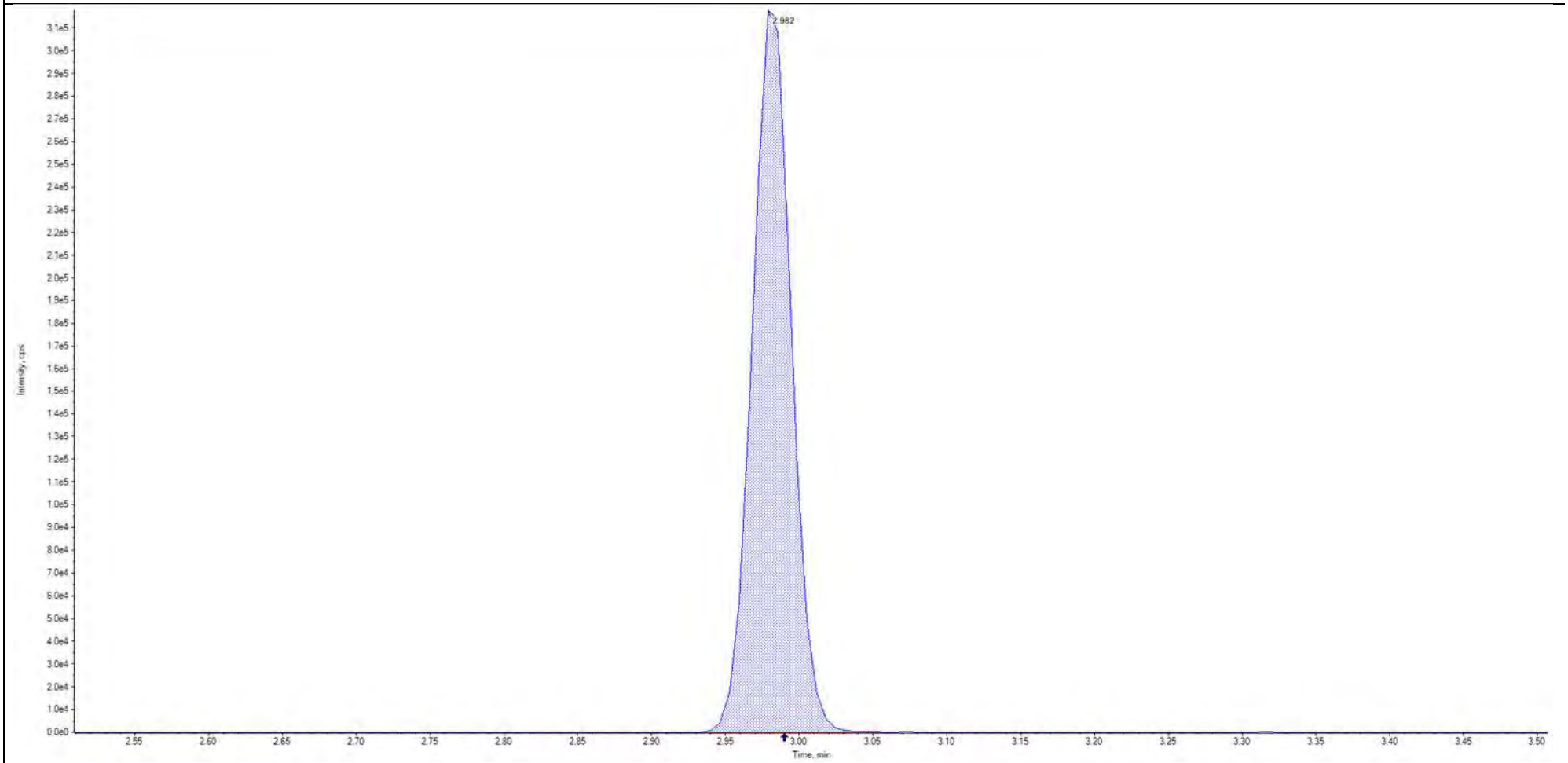
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

13C4-PFHpA
Sample: IA1633STD-2.5



13C8-PFOA
Sample: IA1633STD-2.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 6:51:07 AM
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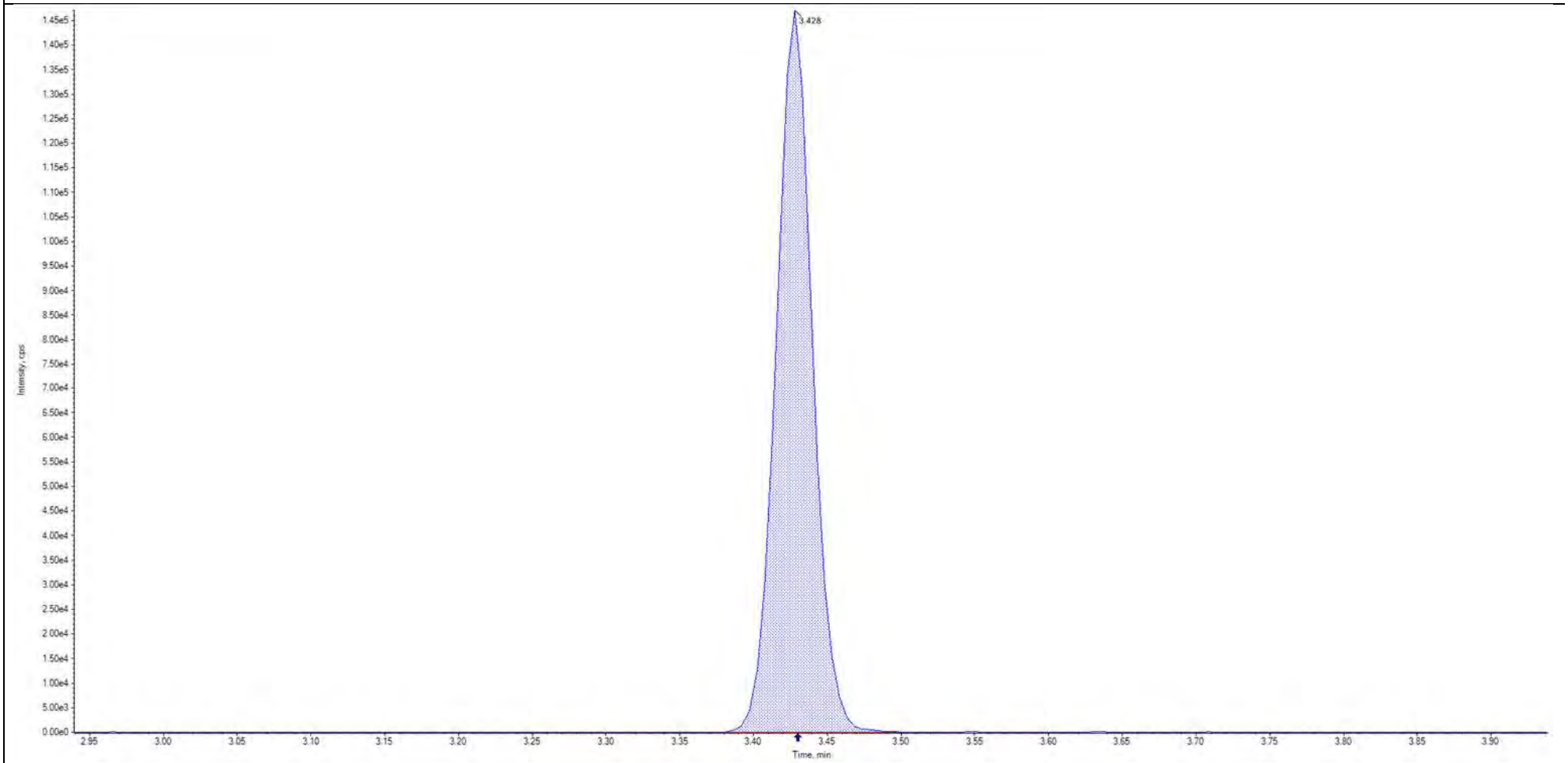
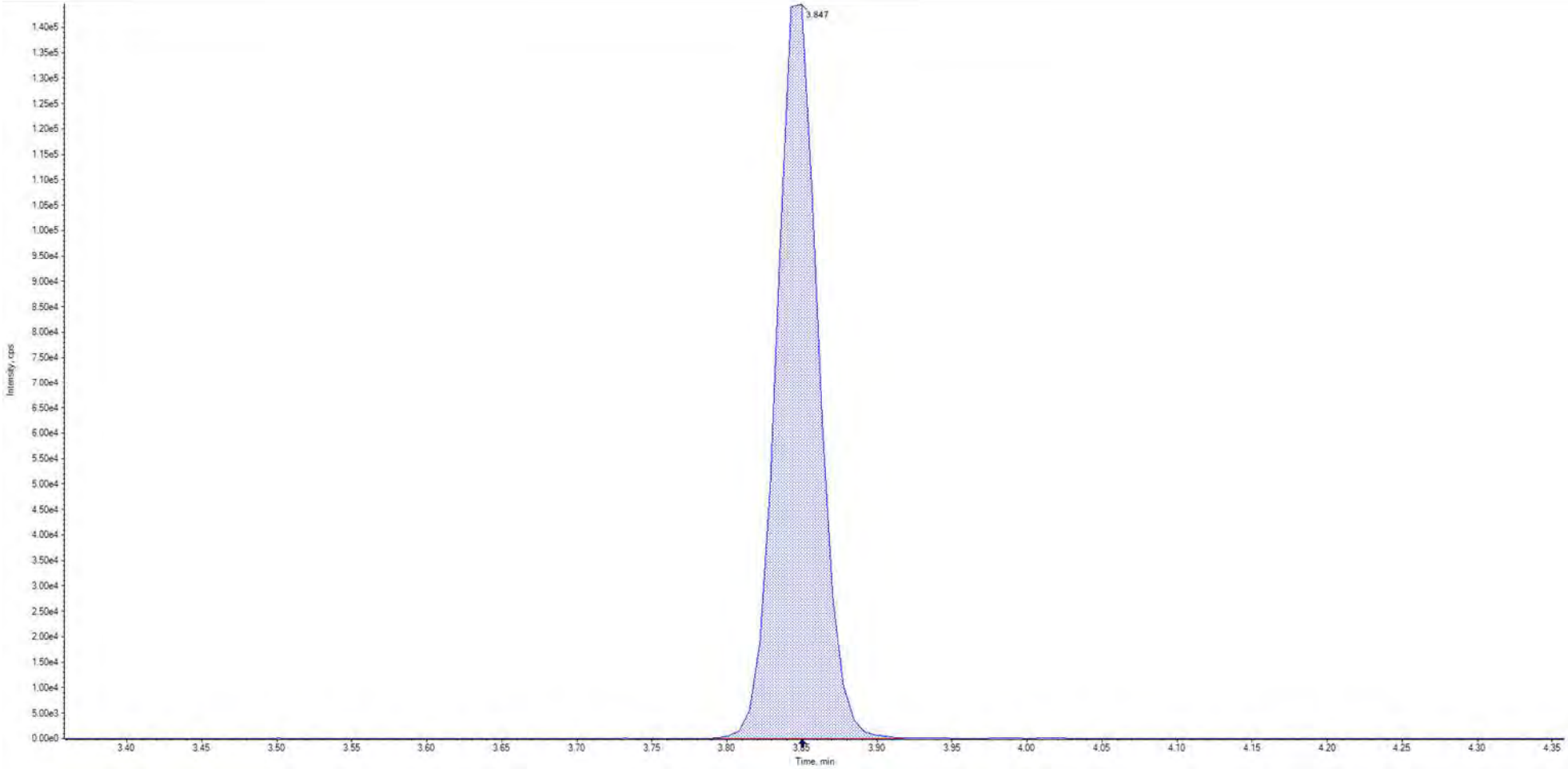
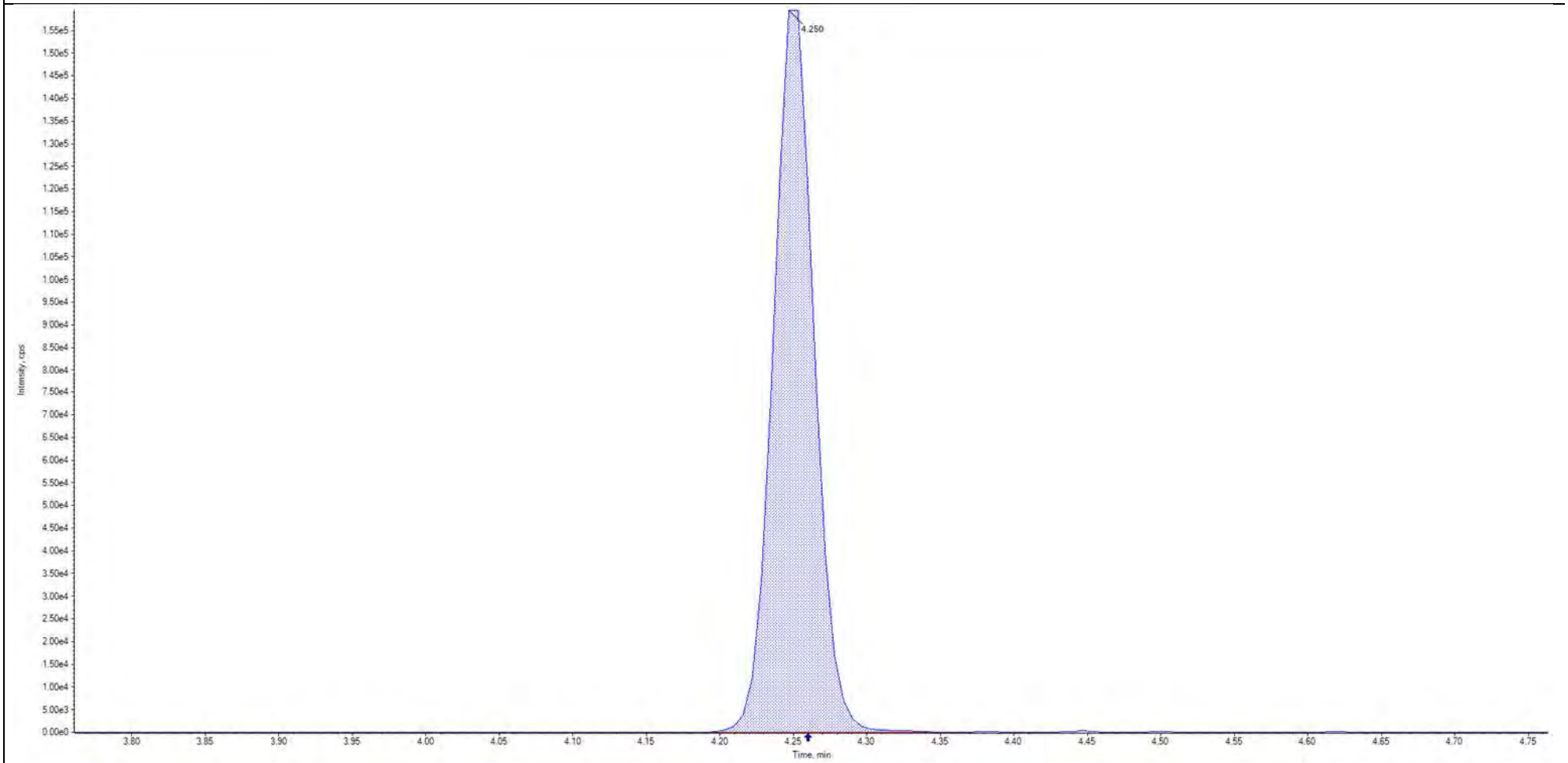
13C9-PFNA
Sample: IA1633STD-2.5



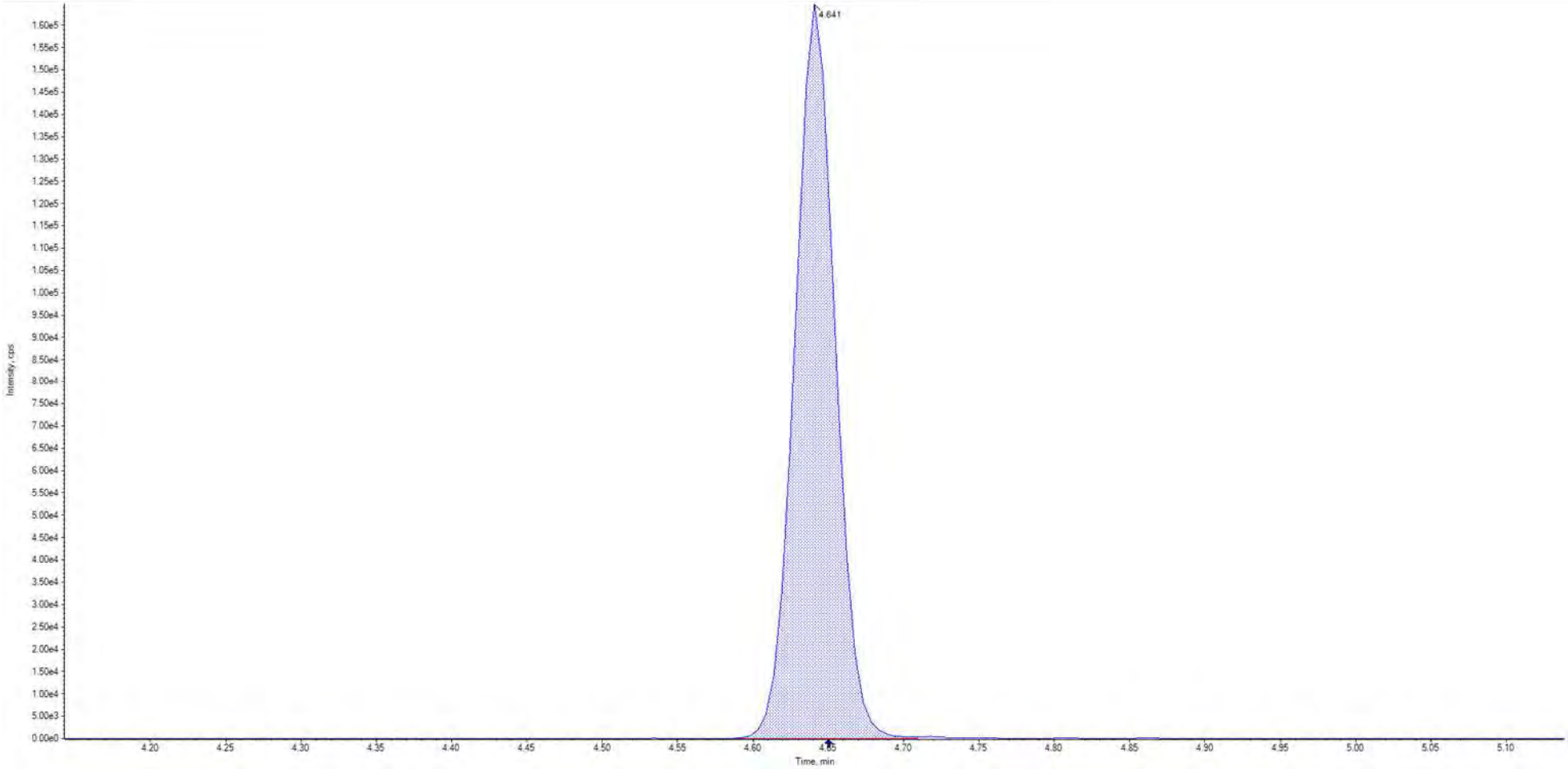
13C6-PFDA
Sample: IA1633STD-2.5



13C7-PFUnA
Sample: IA1633STD-2.5

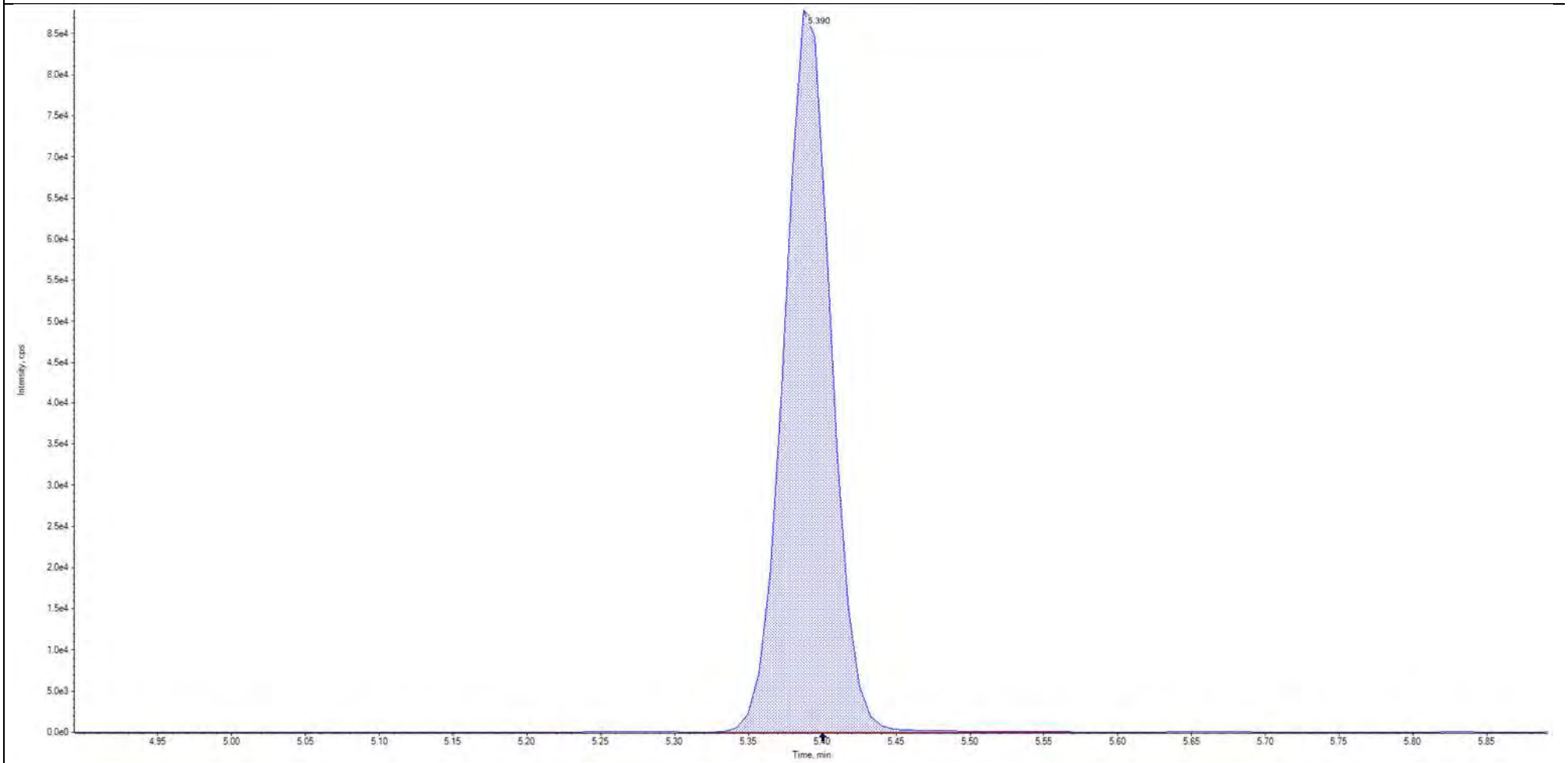


13C2-PFDoA
Sample: IA1633STD-2.5

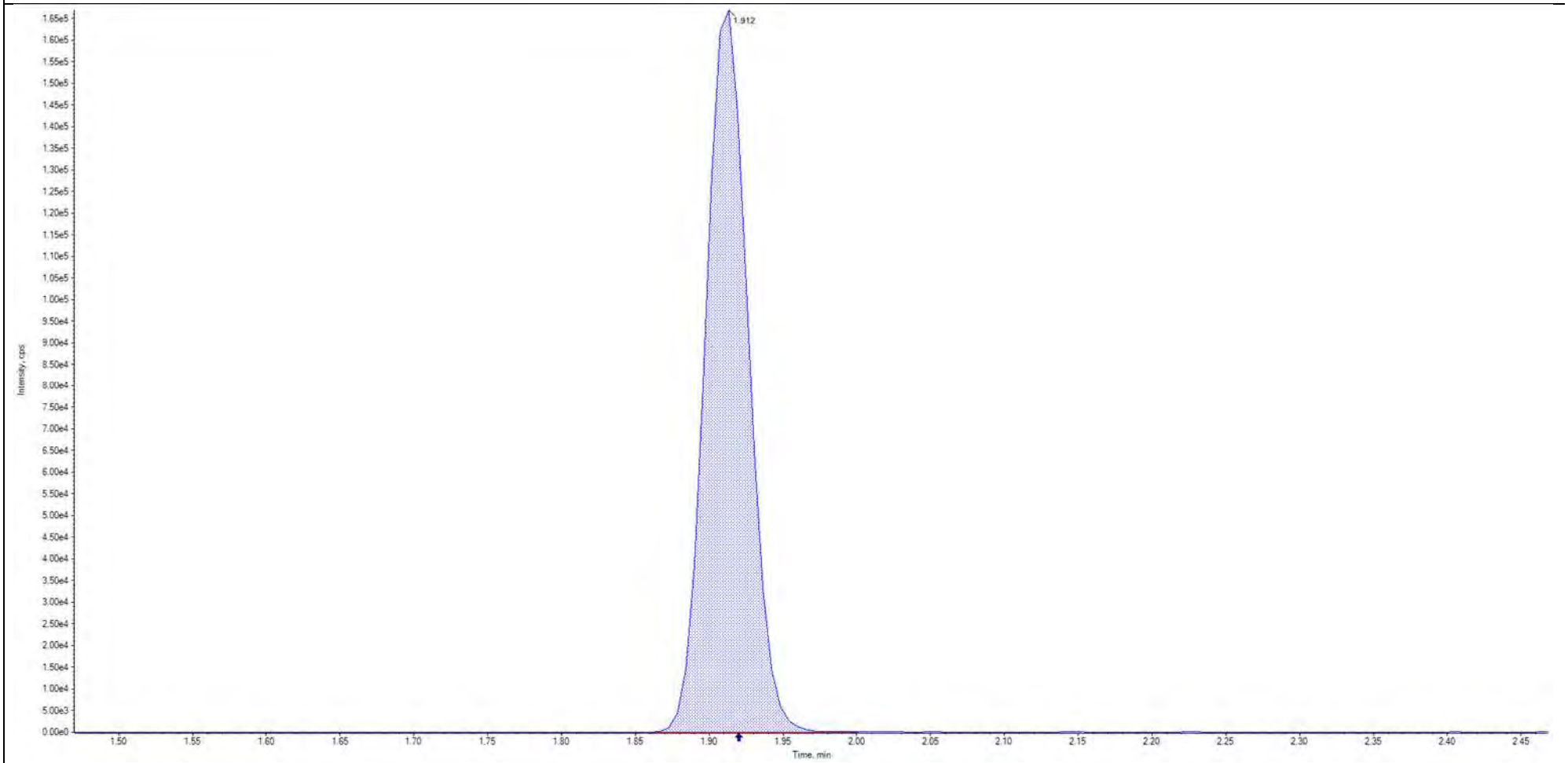


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

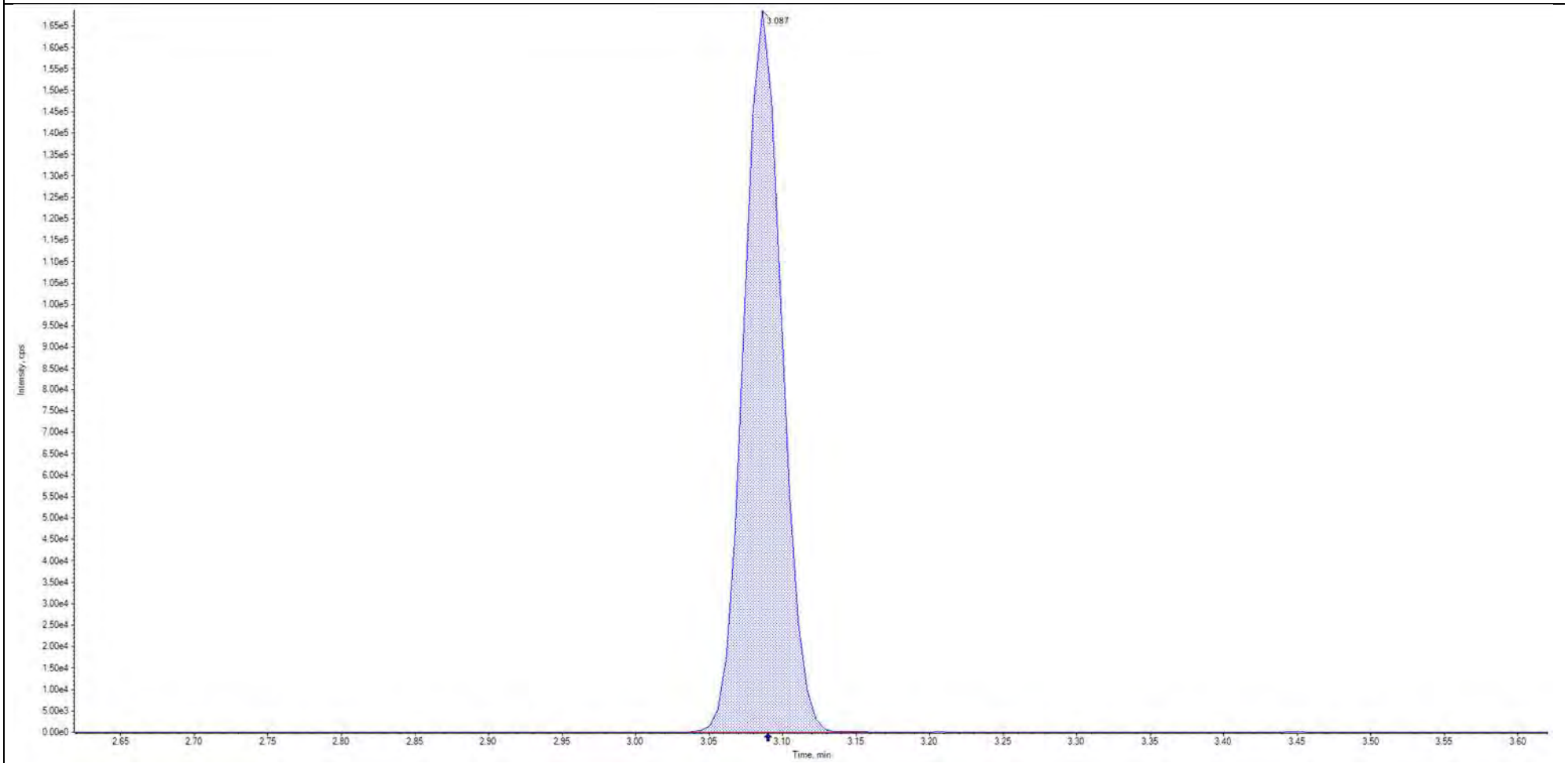
13C2-PFTeDA
Sample: IA1633STD-2.5



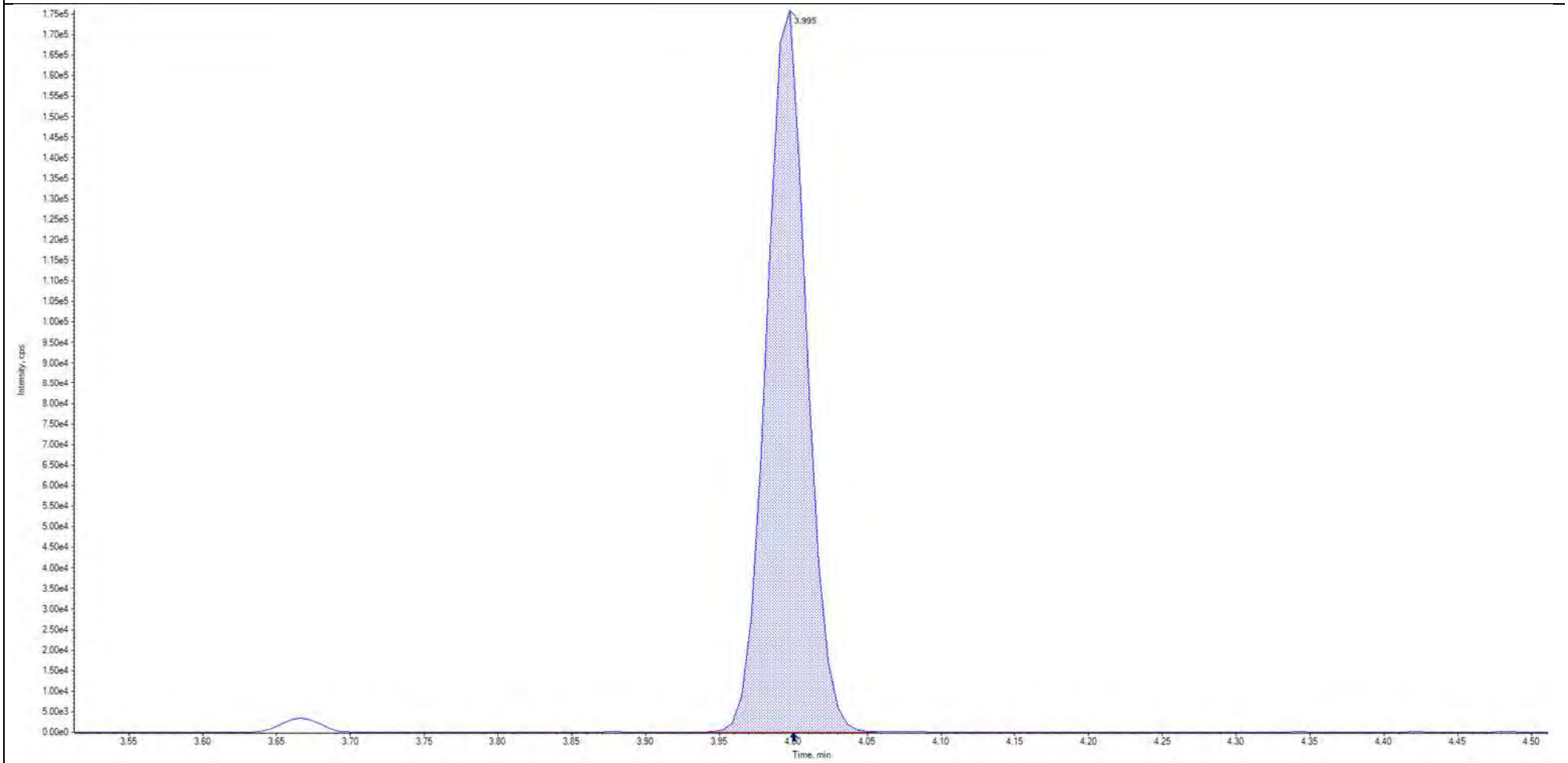
13C3-PFBS
Sample: IA1633STD-2.5



13C3-PFHxS
Sample: IA1633STD-2.5

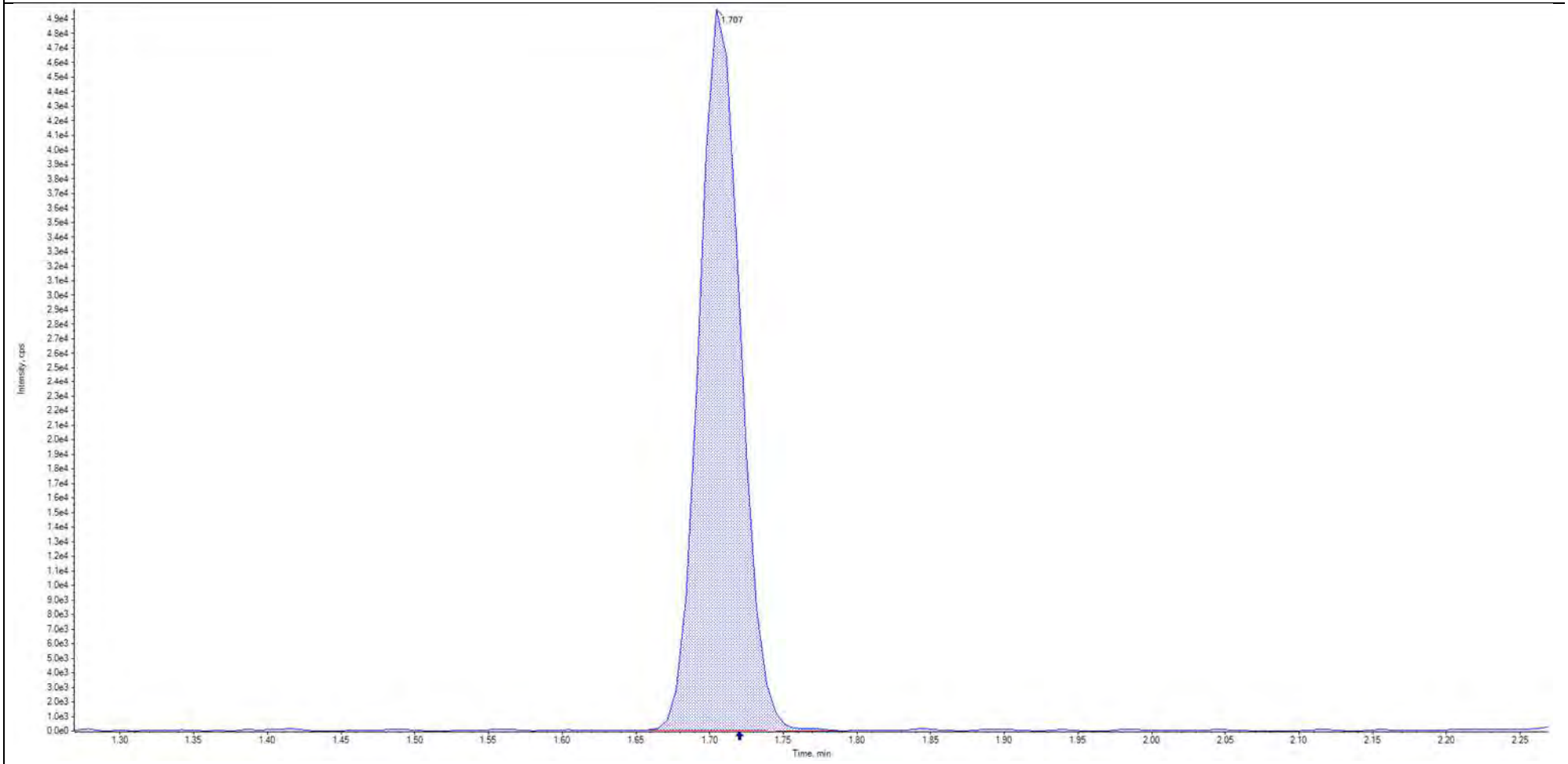


13C8-PFOS
Sample: IA1633STD-2.5

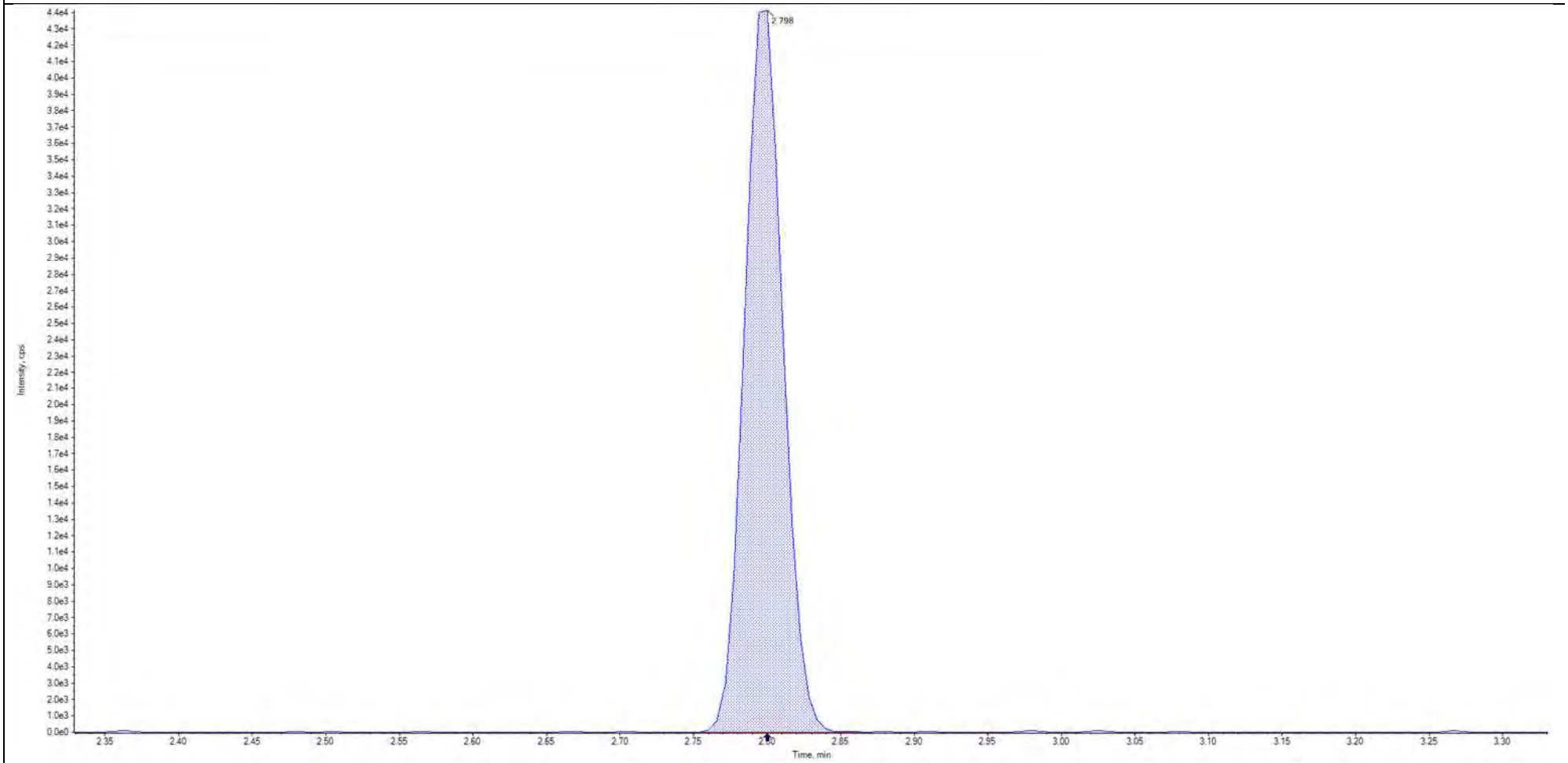


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

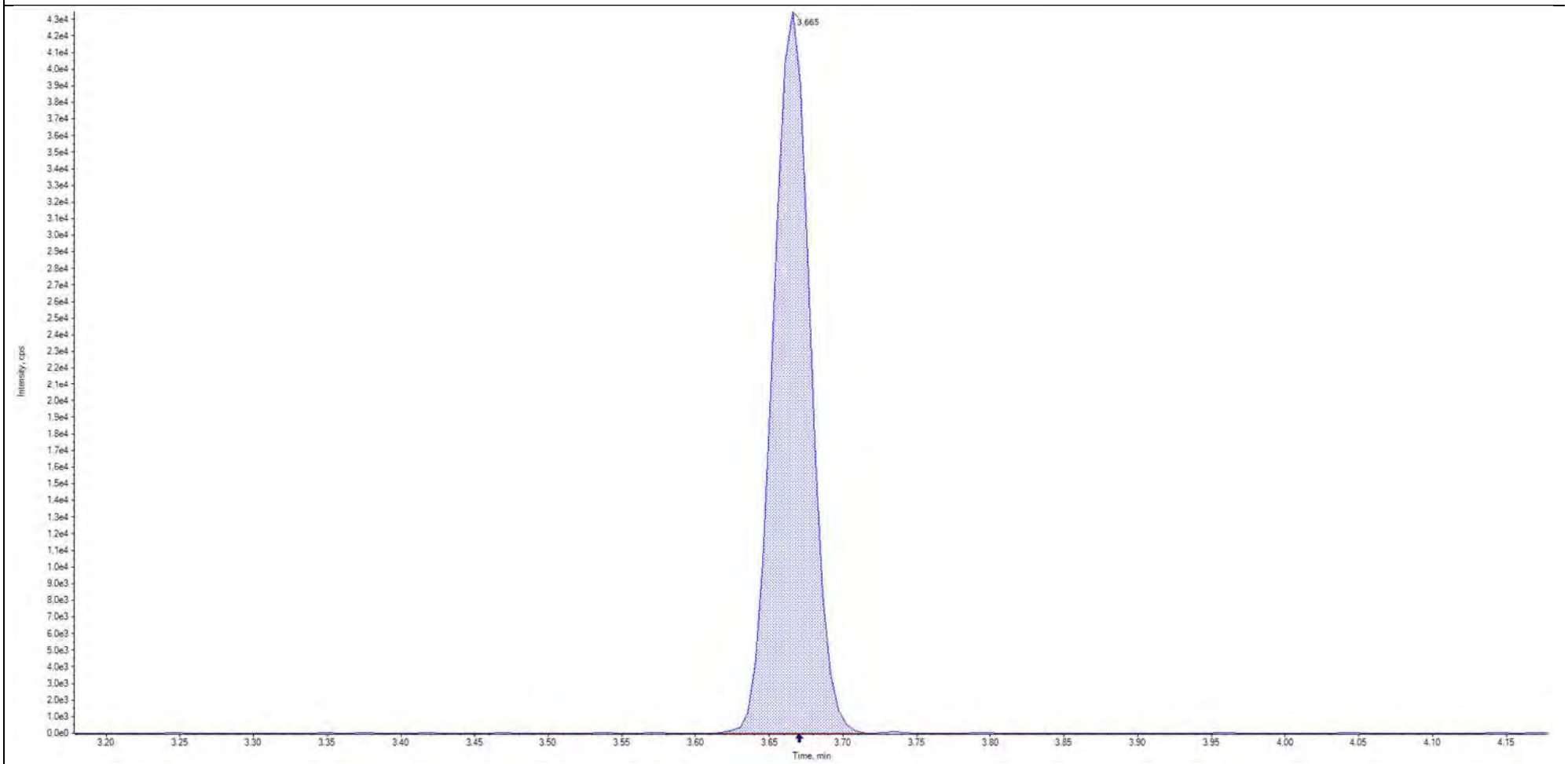
13C2-4:2FTS
Sample: IA1633STD-2.5



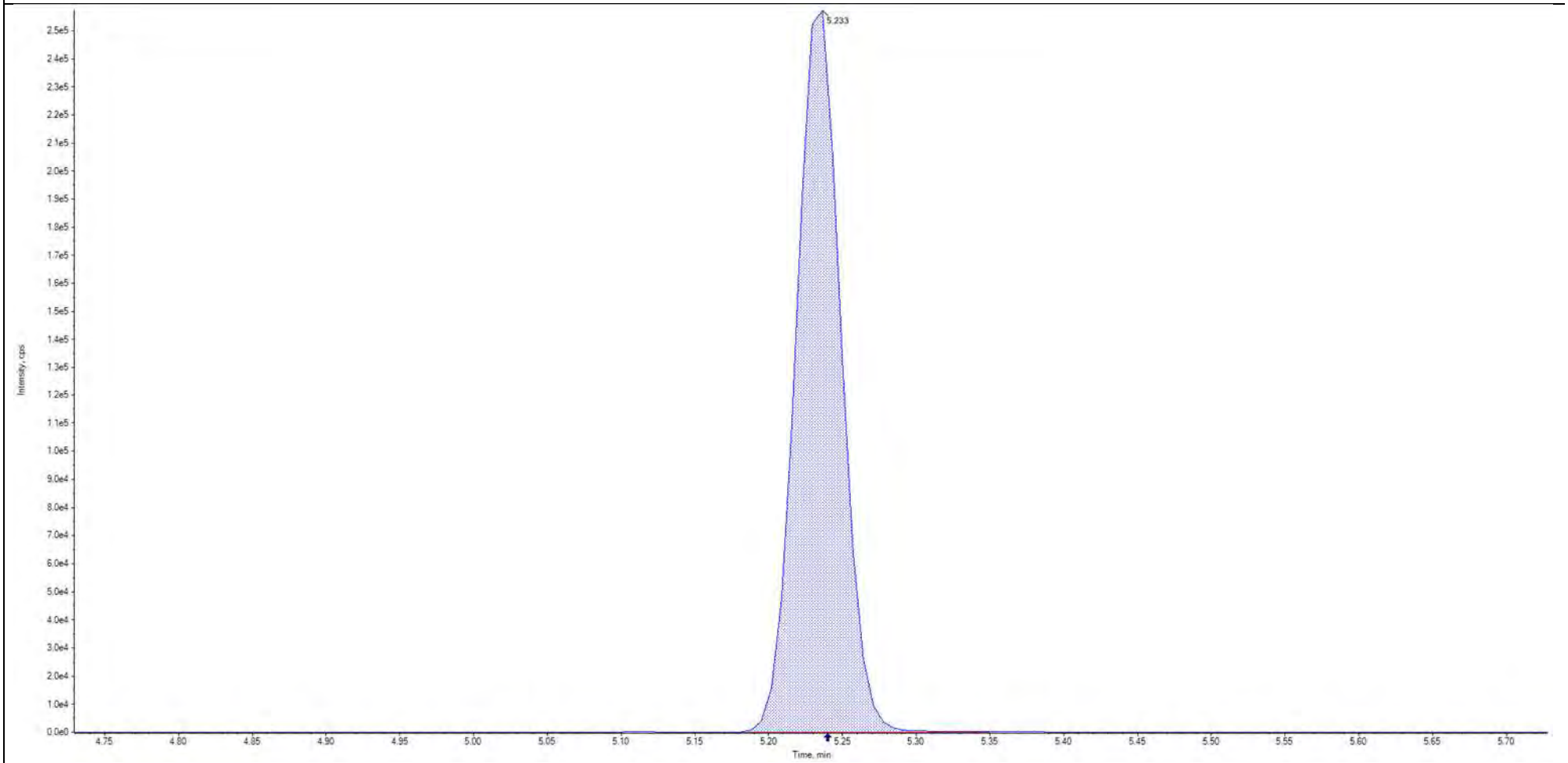
13C2-6:2FTS
Sample: IA1633STD-2.5



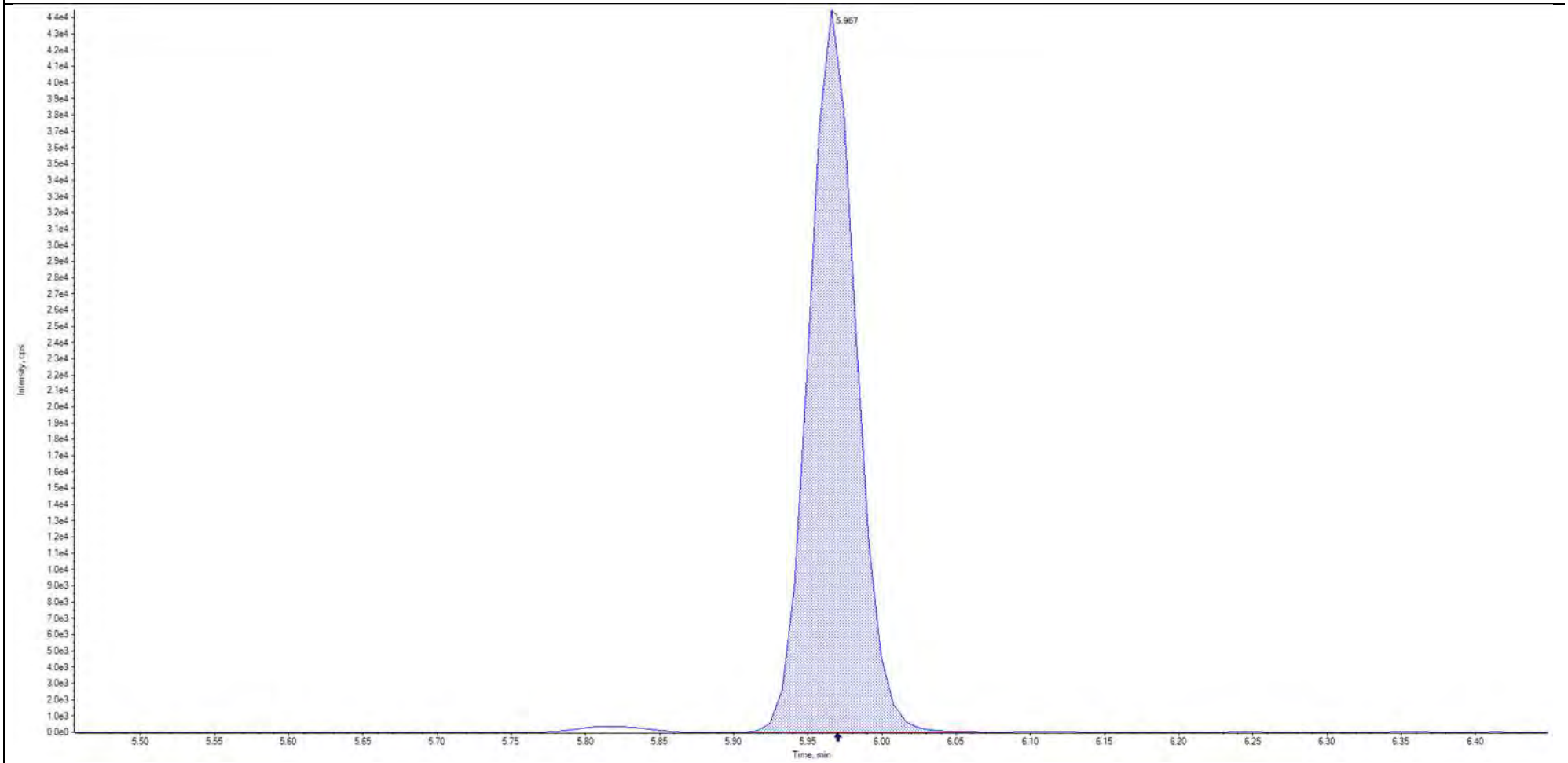
13C2-8:2FTS
Sample: IA1633STD-2.5



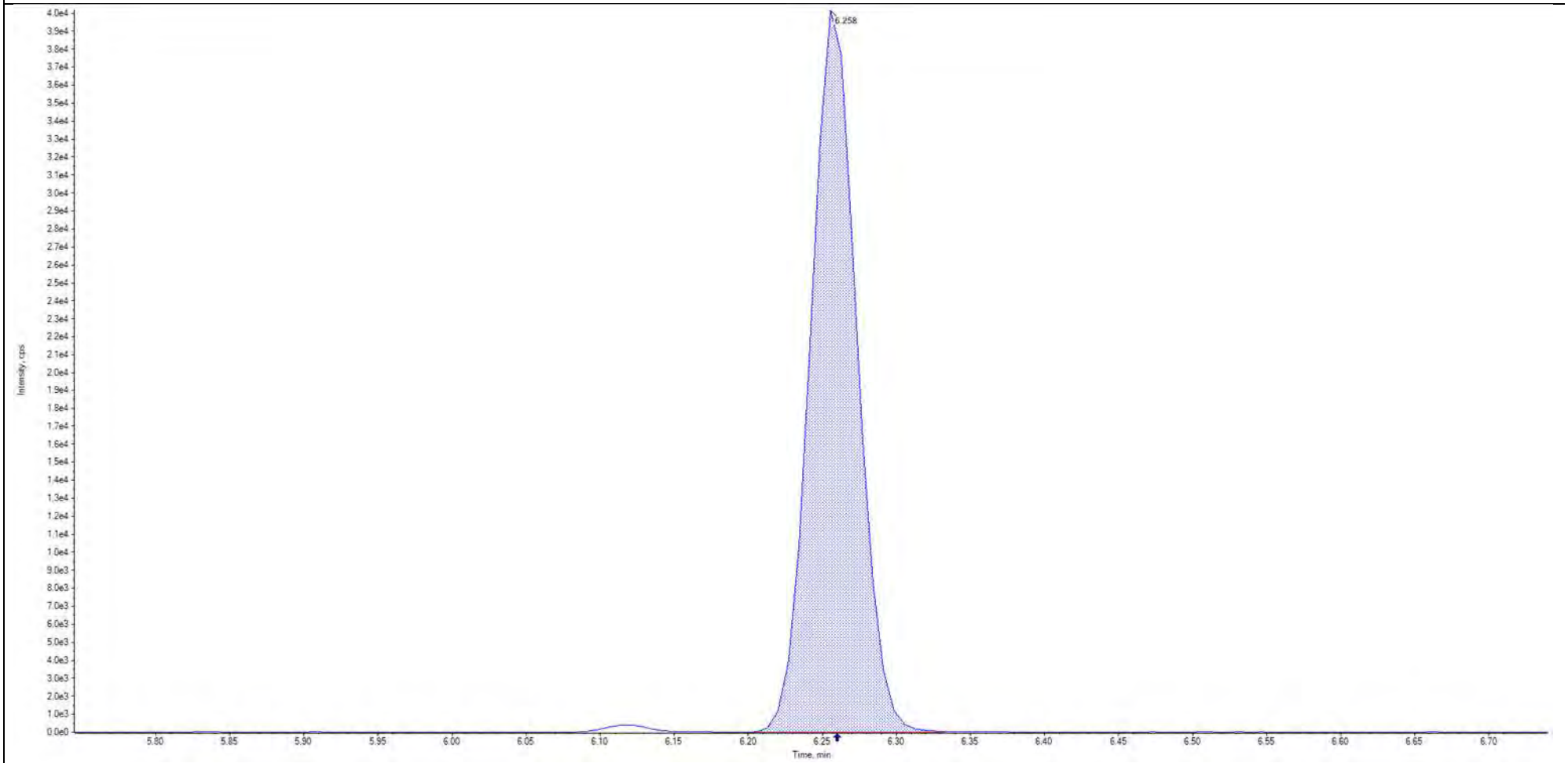
13C8-PFOSA
Sample: IA1633STD-2.5



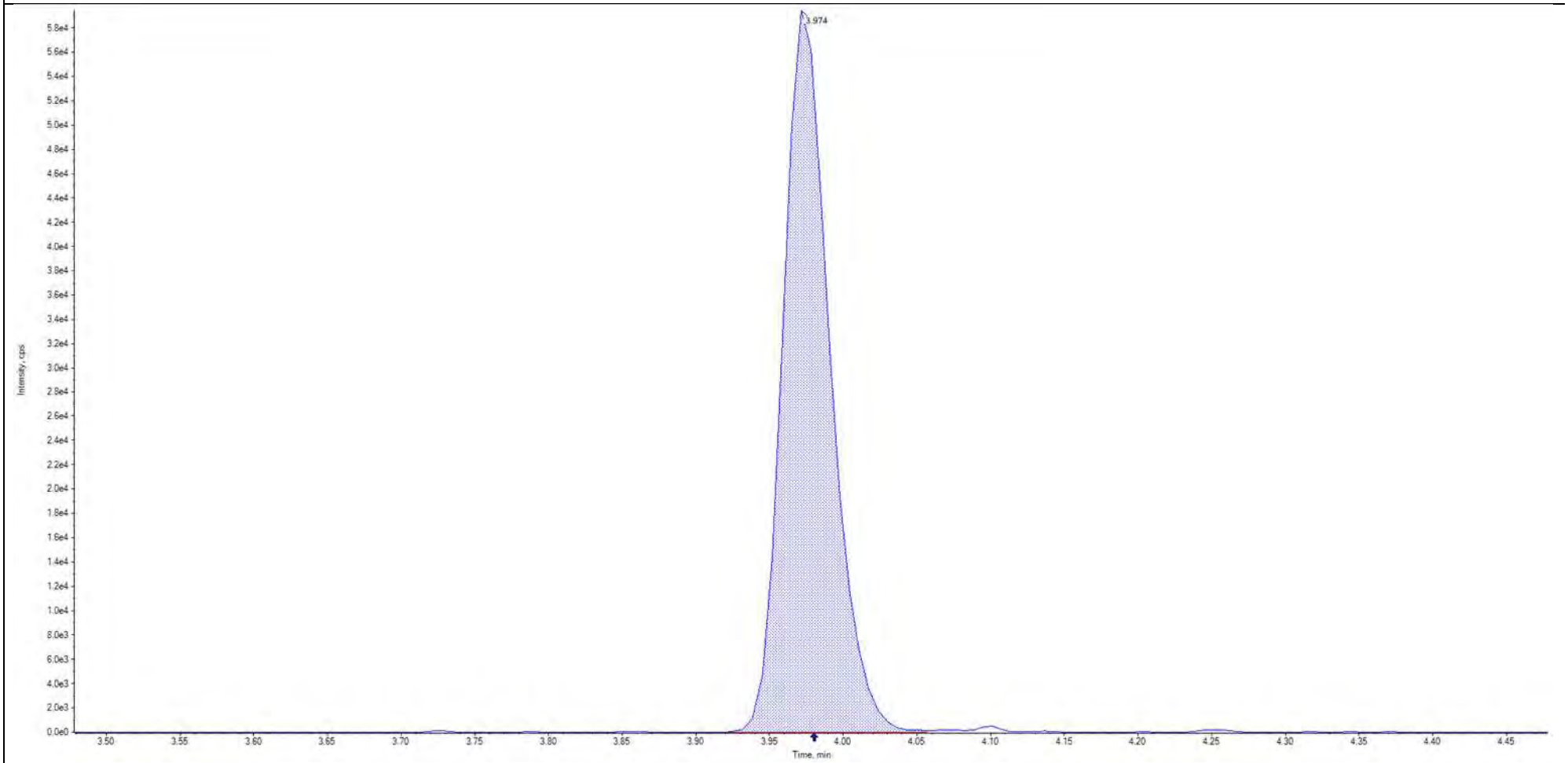
d3-NMeFOSA
Sample: IA1633STD-2.5



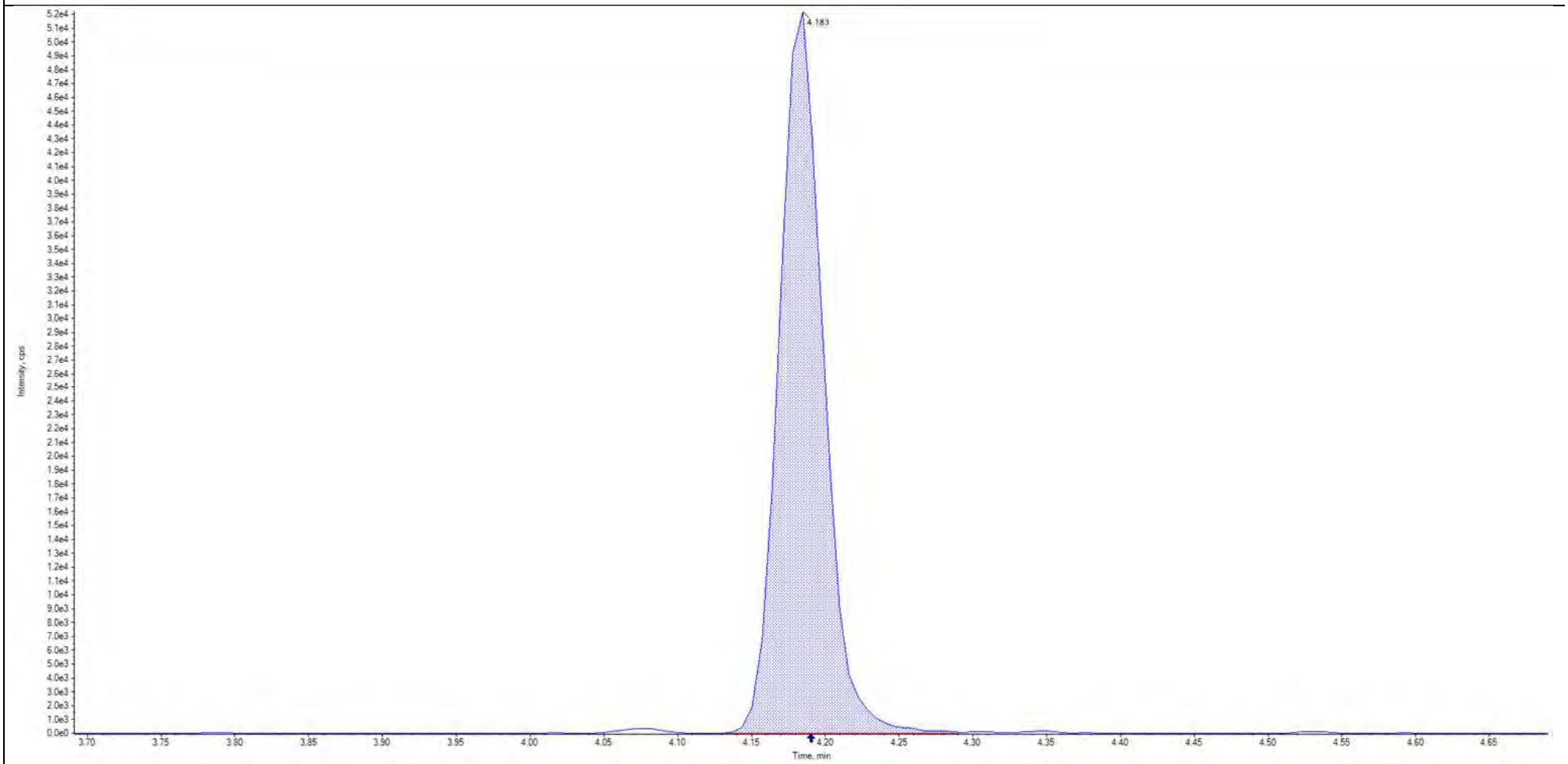
d5-NEtFOSA
Sample: IA1633STD-2.5



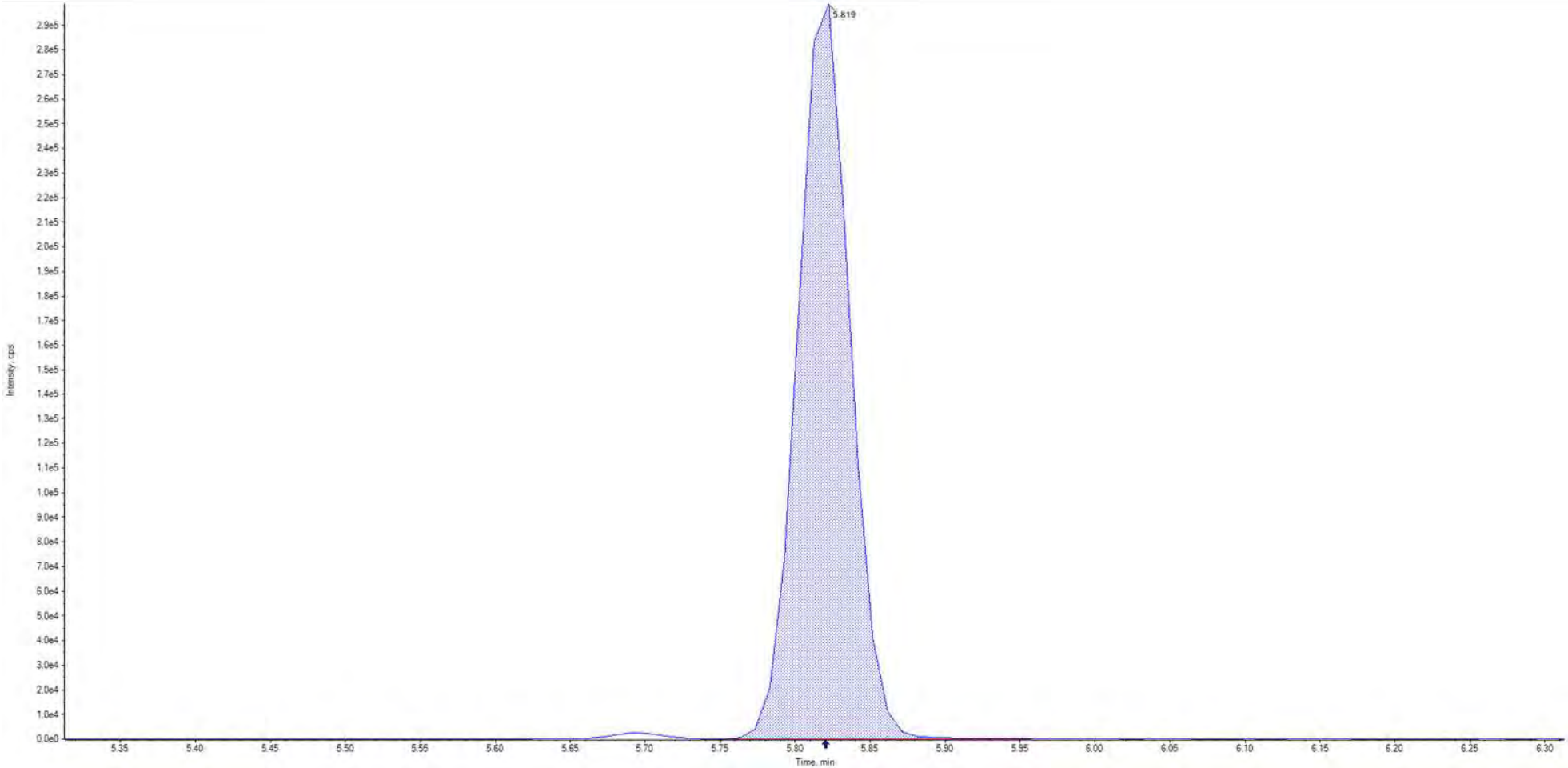
d3-NMeFOSAA
Sample: IA1633STD-2.5



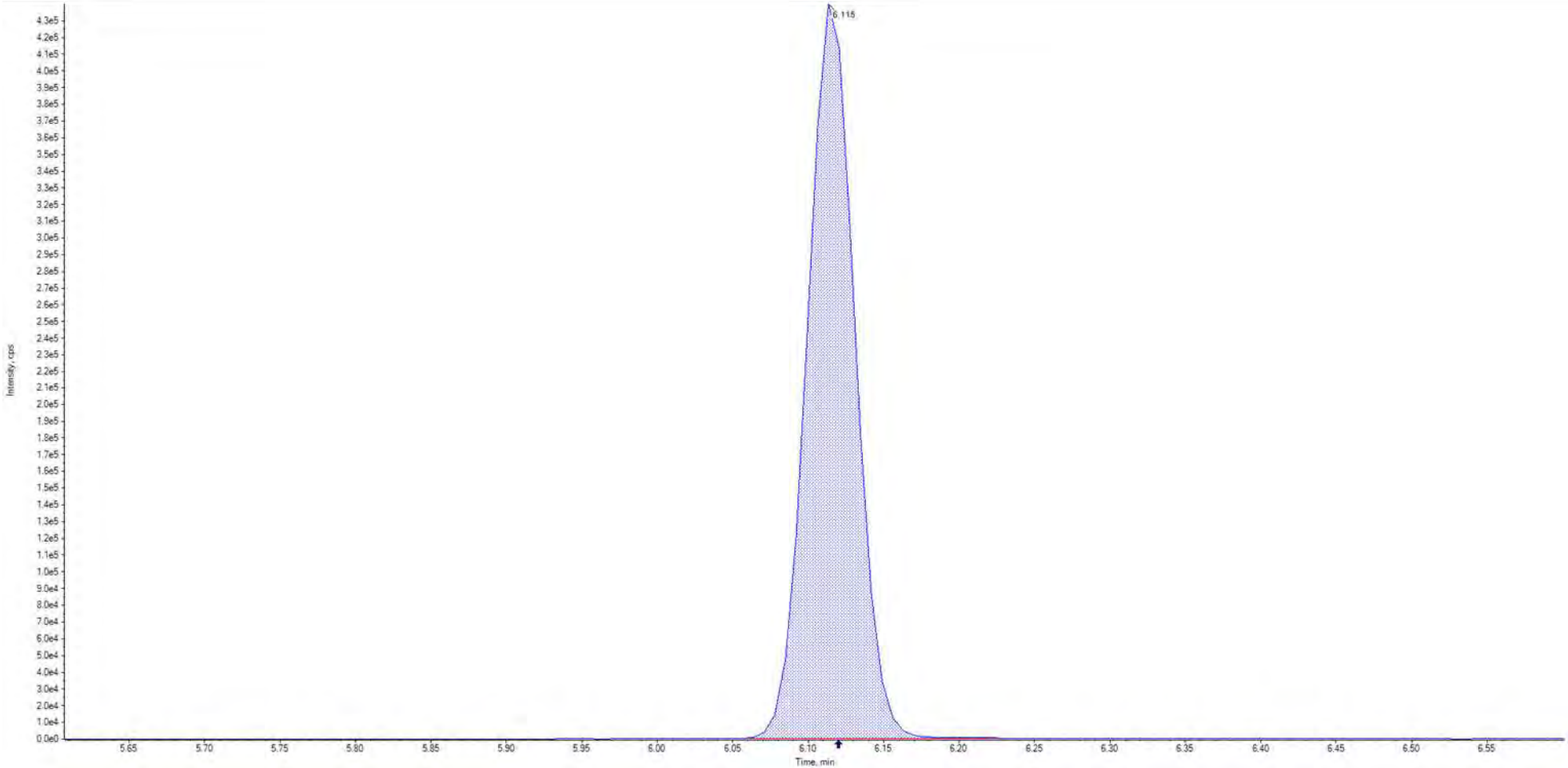
d5-NEtFOSAA
Sample: IA1633STD-2.5



d7-NMeFOSE
Sample: IA1633STD-2.5



d9-NEtFOSE
Sample: IA1633STD-2.5



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Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
Last Altered: 3/4/2025 6:51:07 AM
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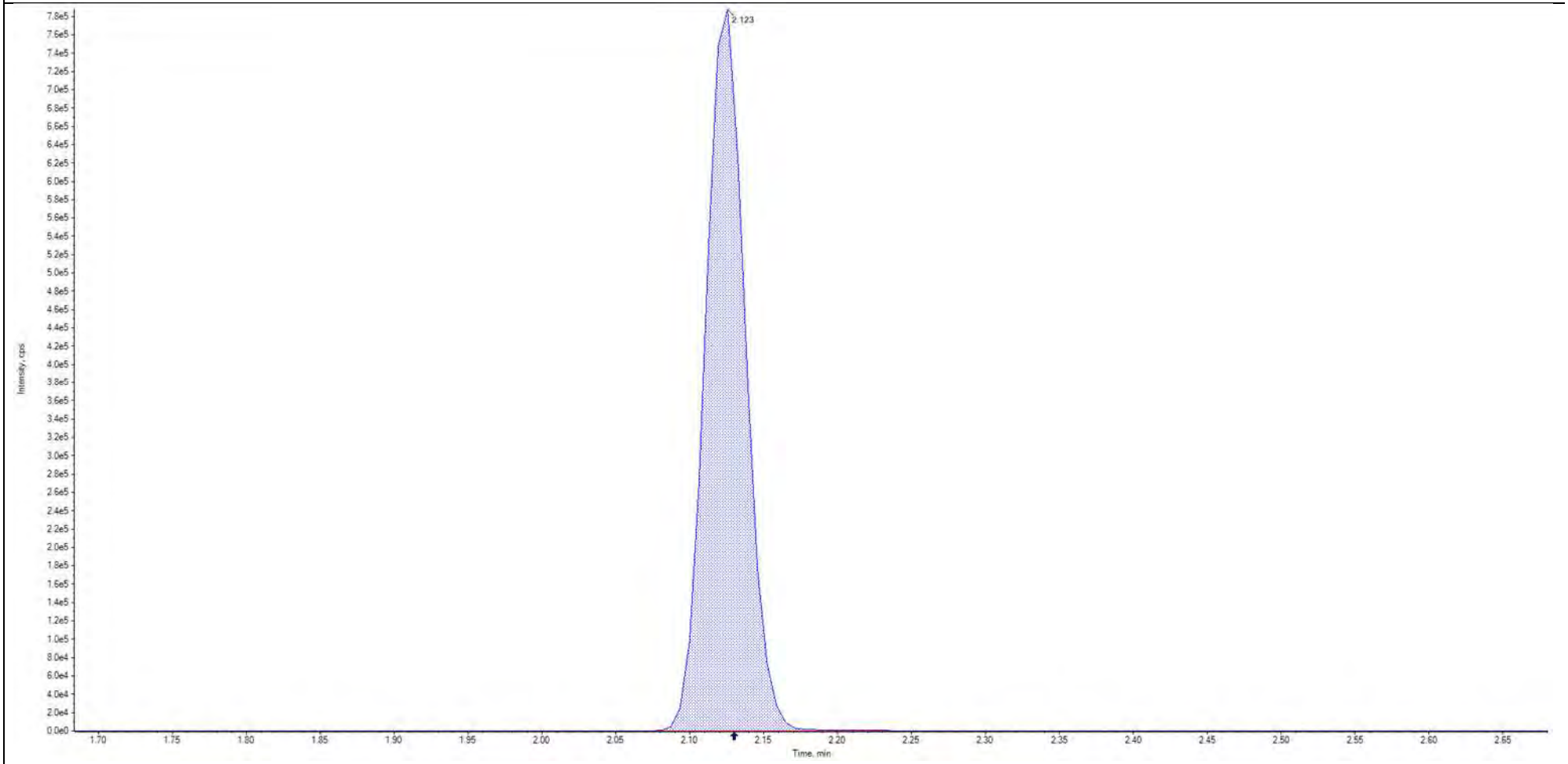
13C3-HFPO-DA
Sample: IA1633STD-2.5



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13C3-PFBA
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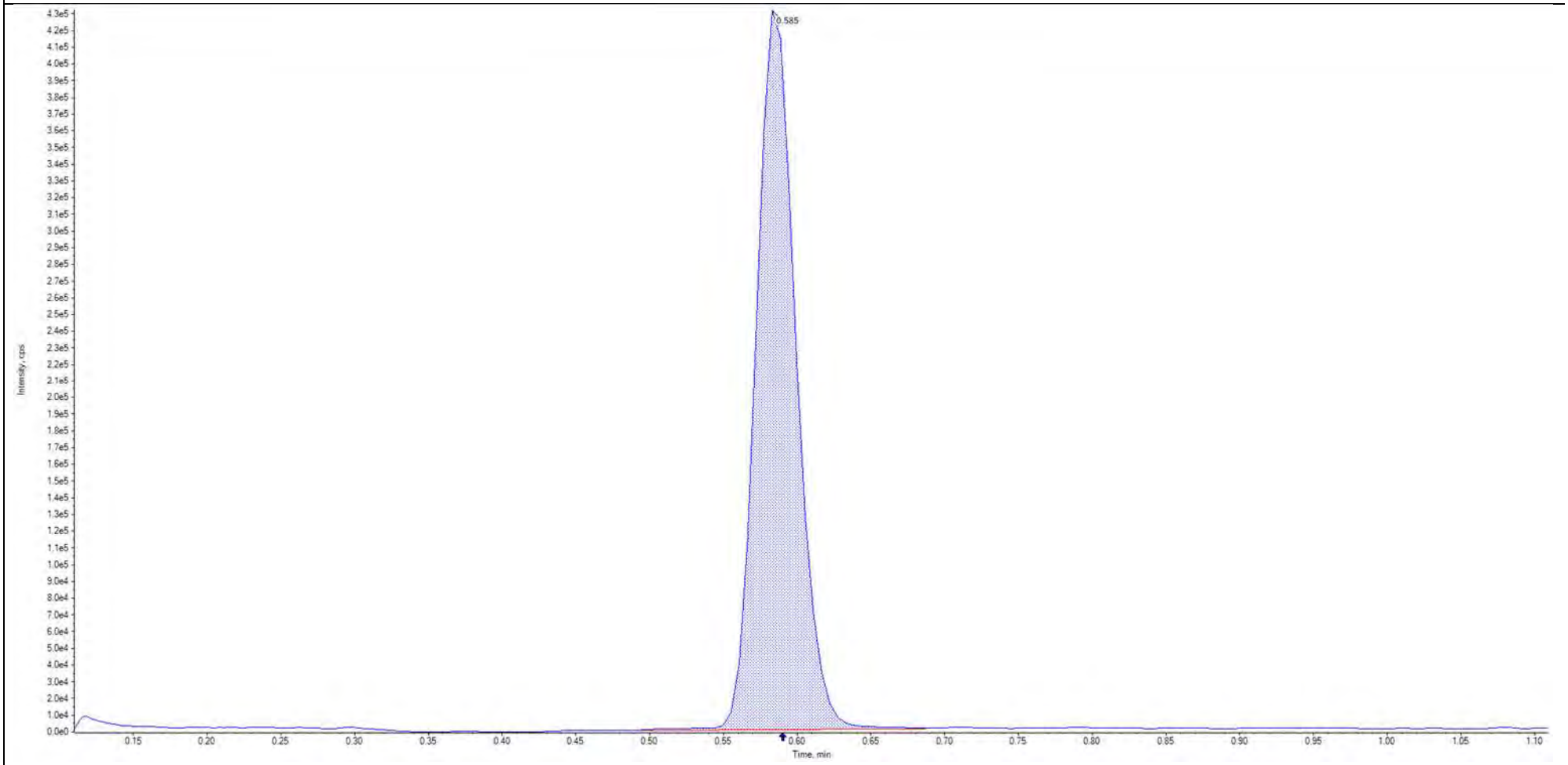
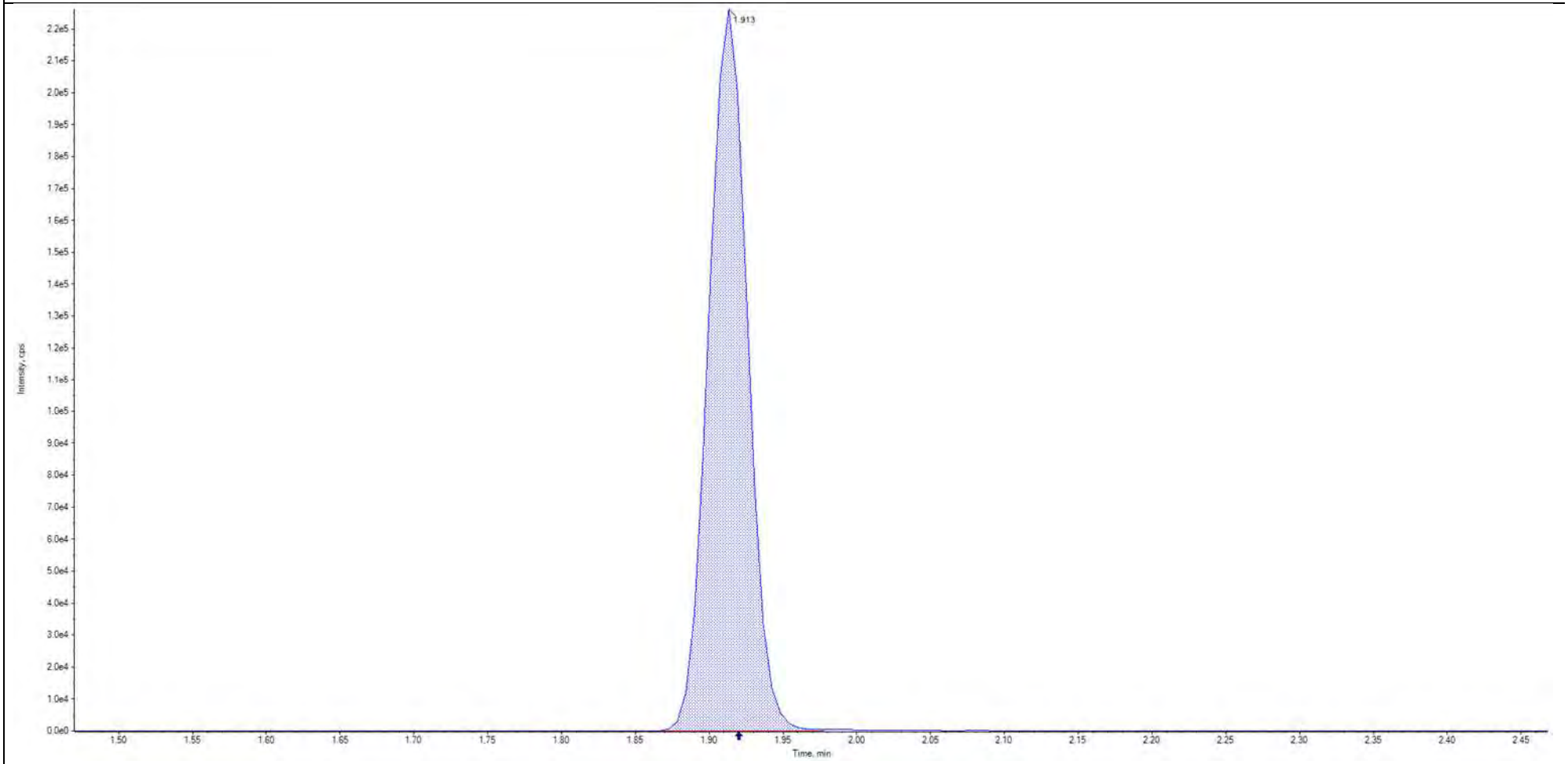
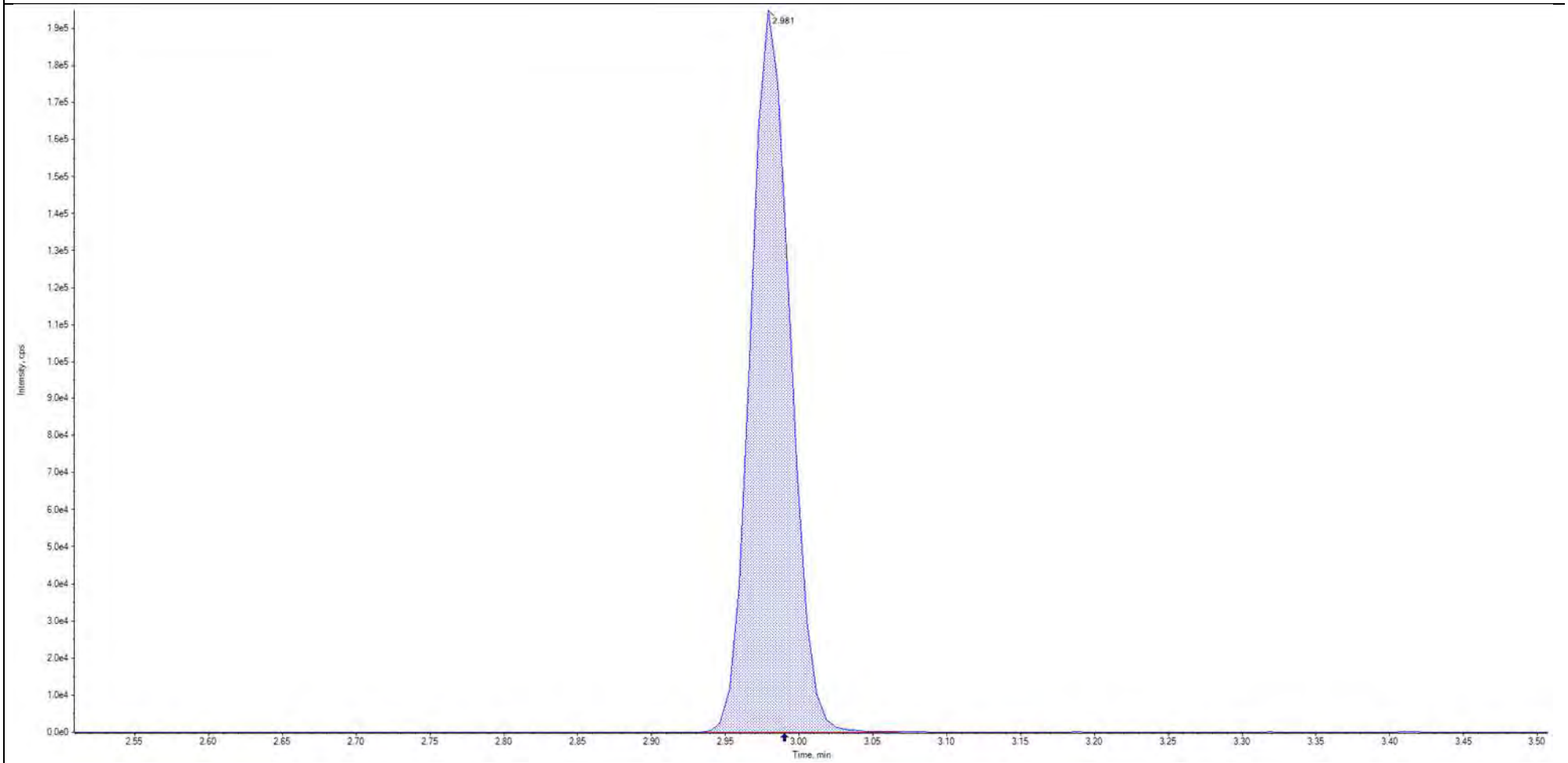


13C2-PFHxA
Sample: IA1633STD-2.5



13C4-PFOA
Sample: IA1633STD-2.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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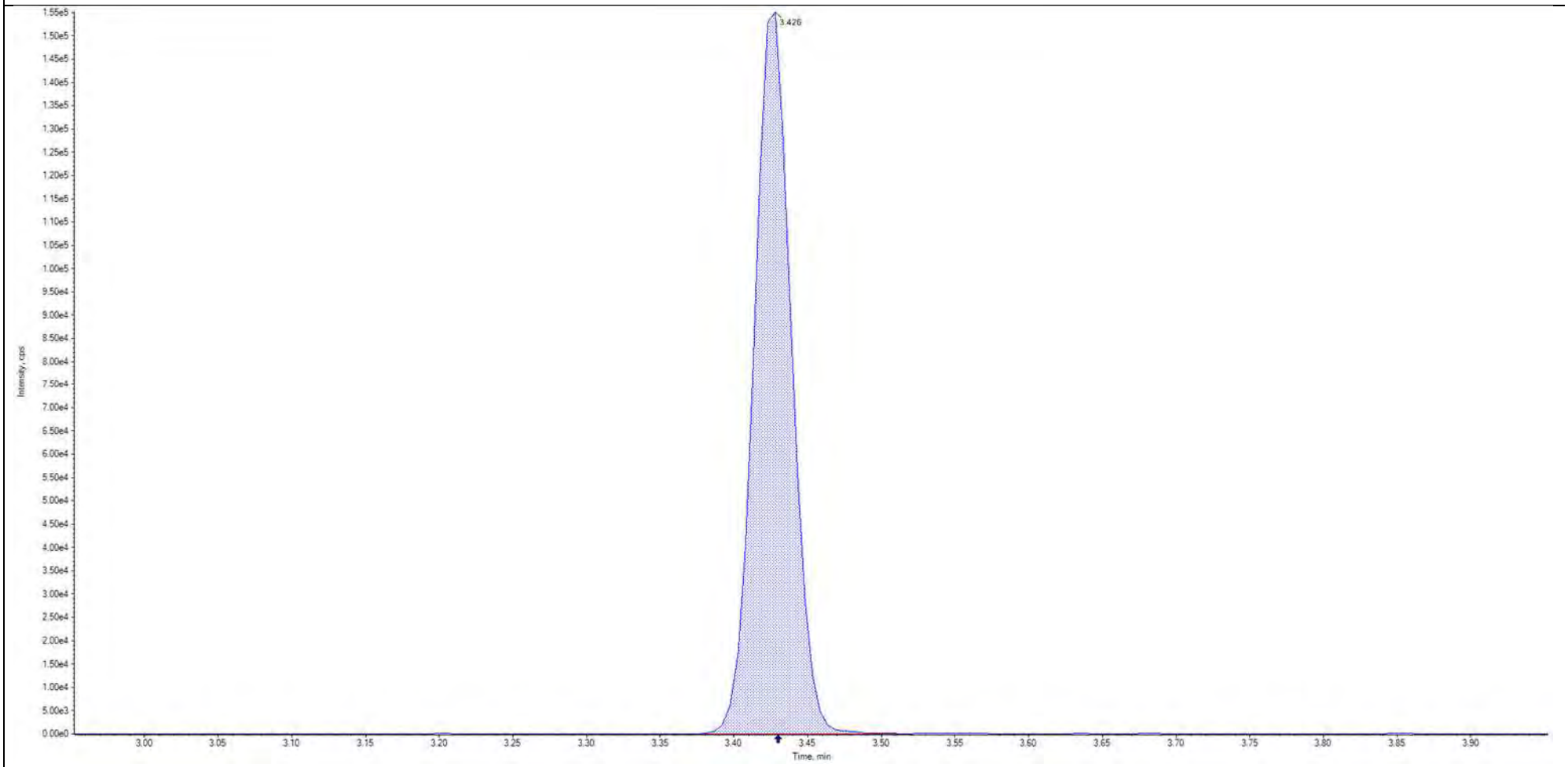
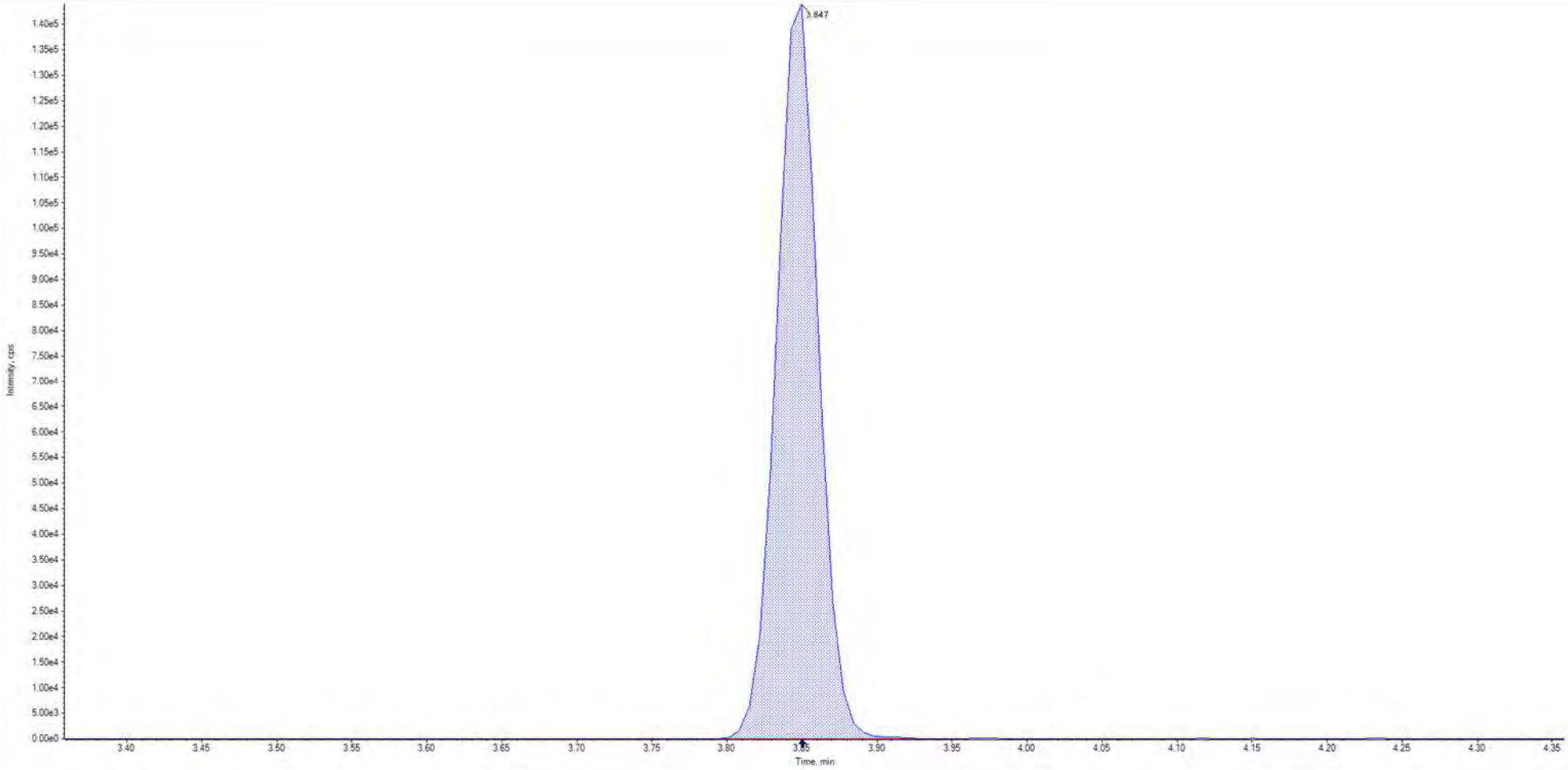
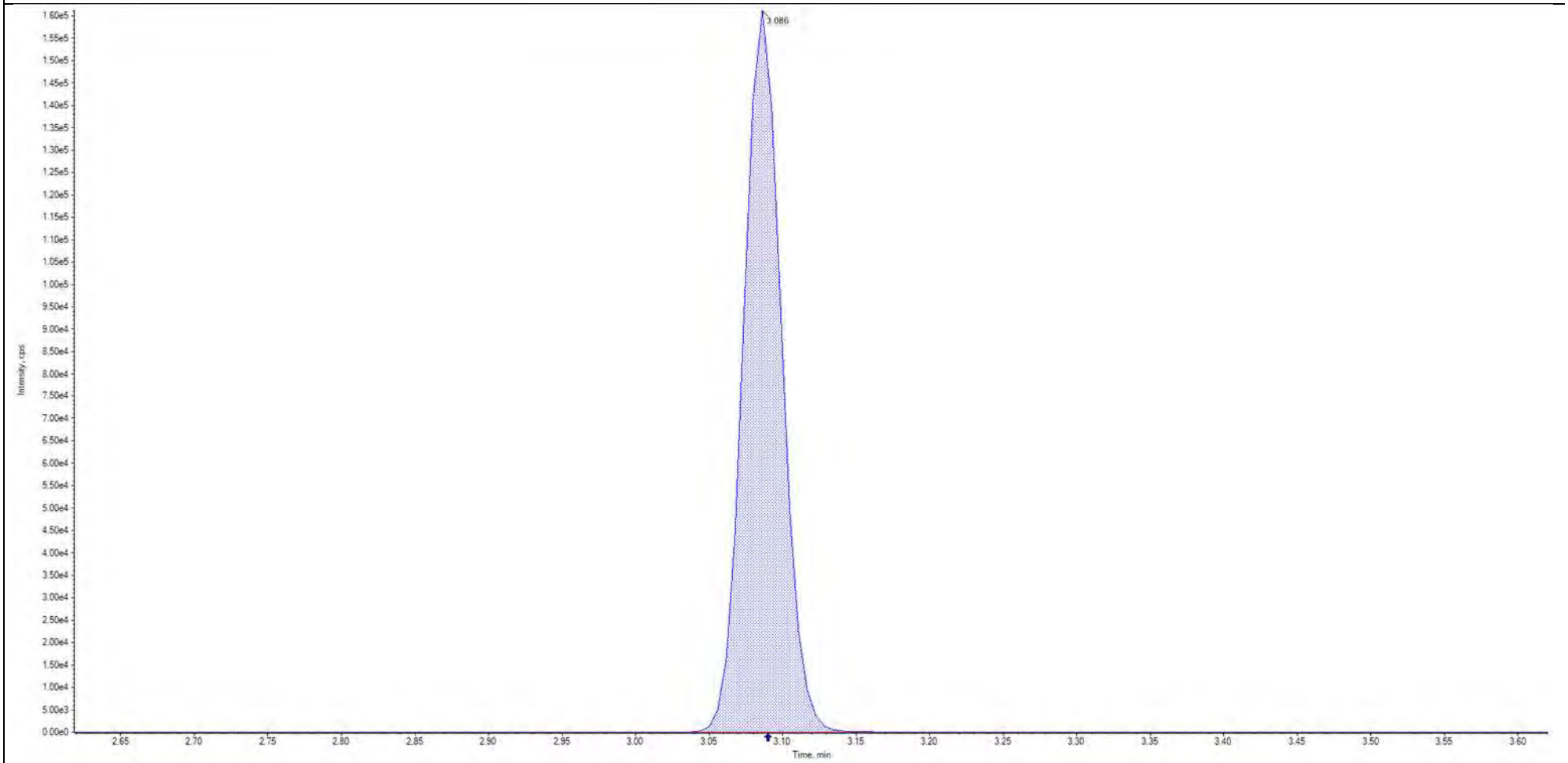
13C5-PFNA
Sample: IA1633STD-2.5



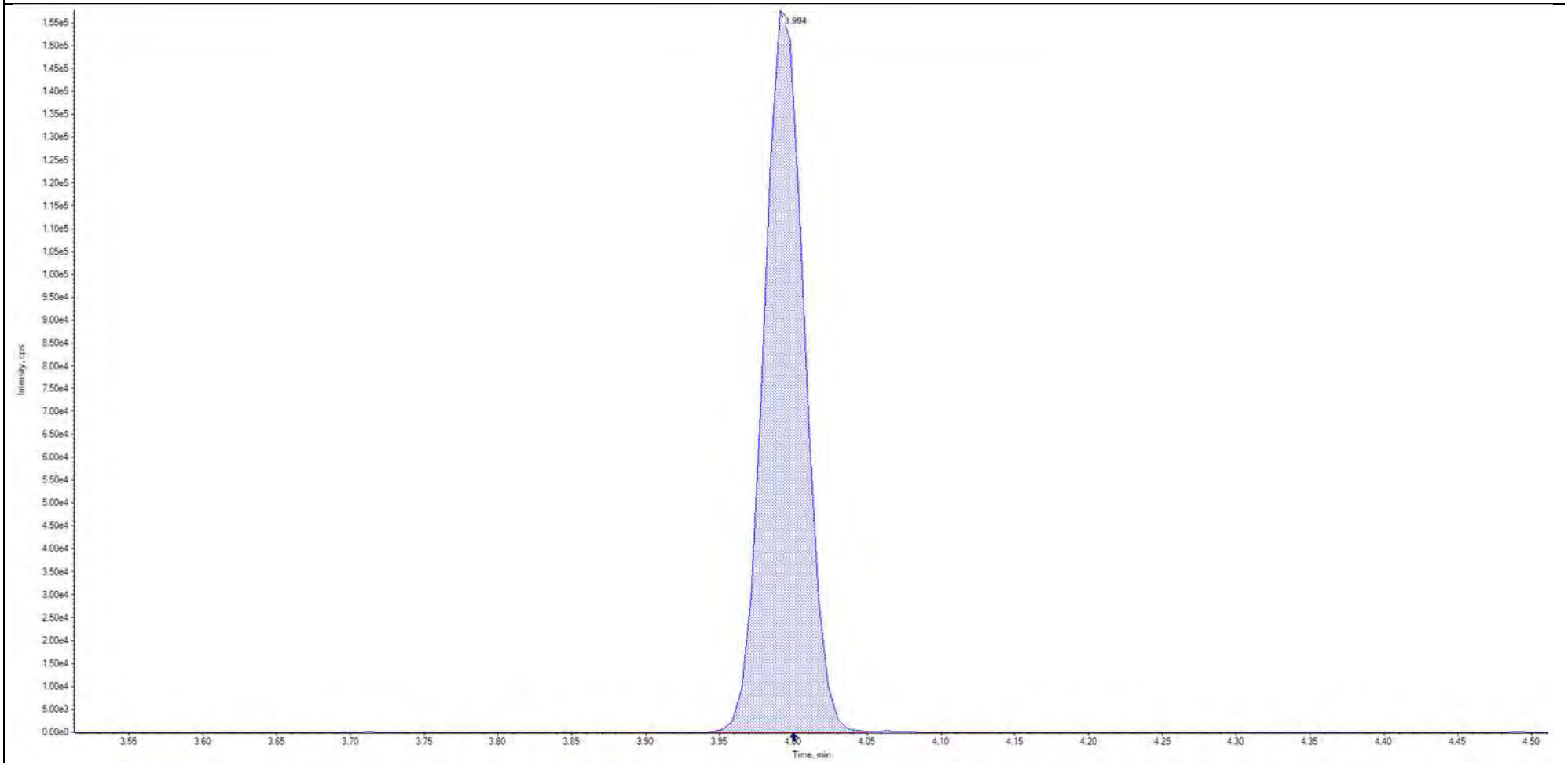
13C2-PFDA
Sample: IA1633STD-2.5



18O2-PFHxS
Sample: IA1633STD-2.5



13C4-PFOS
Sample: IA1633STD-2.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_25.wiff2_4
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Generated: 3/3/2025 3:16:24 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
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Method: EPA1633F_250303.qmethod
Calibration: 250303_1633_ICAL

ID: IA1633STD-5
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Date & Time: 2025-03-03T15:17:32
Description: WG2035972,,EPA1633F_250303_CAL_L5
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | PFBA | 375-22-4 | 0.60 | 213.0 / 169.0 | 3301288 | | 19.512 | N/A | N/A | N/A | 97.6 |
| 2 | PFPeA | 2706-90-3 | 1.19 | 263.0 / 219.0 | 1536865 | | 9.820 | 0.007 | N/A | N/A | 98.2 |
| 3 | PFPeA_2 | 2706-90-3 | 1.19 | 263.0 / 68.9 | 10911 | | 9.940 | 0.007 | N/A | N/A | 99.4 |
| 4 | PFHxA | 307-24-4 | 1.93 | 313.0 / 269.0 | 993215 | | 5.196 | 0.081 | 0.081 | Pass | 103.9 |
| 5 | PFHxA_2 | 307-24-4 | 1.93 | 313.0 / 119.0 | 80051 | | 4.925 | 0.081 | 0.081 | Pass | 98.5 |
| 6 | PFHpA | 375-85-9 | 2.50 | 363.1 / 319.0 | 1081988 | | 4.861 | 0.373 | 0.373 | Pass | 97.2 |
| 7 | PFHpA_2 | 375-85-9 | 2.50 | 363.1 / 169.0 | 404059 | | 4.598 | 0.373 | 0.373 | Pass | 92.0 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | PFOA | 335-67-1 | 2.99 | 413.1 / 369.1 | 1059244 | M5 | 4.998 | 0.424 | 0.424 | Pass | 100.0 |
| 9 | PFOA_2 | 335-67-1 | 2.99 | 413.1 / 169.0 | 449450 | M5 | 5.011 | 0.424 | 0.424 | Pass | 100.2 |
| 10 | PFNA | 375-95-1 | 3.44 | 462.8 / 418.9 | 754244 | M5 | 5.227 | 0.493 | 0.493 | Pass | 104.5 |
| 11 | PFNA_2 | 375-95-1 | 3.44 | 462.8 / 219.0 | 371579 | M5 | 5.288 | 0.493 | 0.493 | Pass | 105.8 |
| 12 | PFDA | 335-76-2 | 3.86 | 513.1 / 469.1 | 1098134 | | 5.116 | 0.188 | 0.188 | Pass | 102.3 |
| 13 | PFDA_2 | 335-76-2 | 3.86 | 513.1 / 219.0 | 206664 | | 5.229 | 0.188 | 0.188 | Pass | 104.6 |
| 14 | PFUnA | 2058-94-8 | 4.26 | 563.1 / 519.1 | 1126033 | | 4.824 | 0.146 | 0.146 | Pass | 96.5 |
| 15 | PFUnA_2 | 2058-94-8 | 4.26 | 563.1 / 269.0 | 164648 | | 4.907 | 0.146 | 0.146 | Pass | 98.2 |
| 16 | PFDoA | 307-55-1 | 4.65 | 613.1 / 569.1 | 1285277 | | 5.002 | 0.142 | 0.142 | Pass | 100.1 |
| 17 | PFDoA_2 | 307-55-1 | 4.65 | 613.1 / 319.0 | 182330 | | 5.149 | 0.142 | 0.142 | Pass | 103.0 |
| 18 | PFTrDA | 72629-94-8 | 5.03 | 663.1 / 619.1 | 1143113 | | 5.064 | 0.152 | 0.152 | Pass | 101.3 |
| 19 | PFTrDA_2 | 72629-94-8 | 5.03 | 663.1 / 169.0 | 173323 | | 5.000 | 0.152 | 0.152 | Pass | 100.0 |
| 20 | PFTeDA | 376-06-7 | 5.40 | 713.1 / 669.1 | 1015779 | | 4.903 | 0.154 | 0.154 | Pass | 98.1 |
| 21 | PFTeDA_2 | 376-06-7 | 5.40 | 713.1 / 169.0 | 156348 | | 4.623 | 0.154 | 0.154 | Pass | 92.5 |
| 22 | PFBS | 375-73-5 | 1.93 | 299.1 / 80.1 | 743303 | | 4.253 | 0.374 | 0.374 | Pass | 95.8 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | PFBS_2 | 375-73-5 | 1.93 | 299.1 / 99.1 | 278216 | | 4.565 | 0.374 | 0.374 | Pass | 97.1 |
| 24 | PFPeS | 2706-91-4 | 2.57 | 349.1 / 80.1 | 763378 | | 4.671 | 0.314 | 0.314 | Pass | 99.4 |
| 25 | PFPeS_2 | 2706-91-4 | 2.57 | 349.1 / 99.1 | 239858 | | 4.675 | 0.314 | 0.314 | Pass | 99.5 |
| 26 | PFHxS | 355-46-4 | 3.10 | 399.1 / 80.1 | 666792 | M5 | 4.468 | 0.306 | 0.306 | Pass | 98.0 |
| 27 | PFHxS_2 | 355-46-4 | 3.10 | 399.1 / 99.1 | 204030 | M5 | 4.721 | 0.306 | 0.306 | Pass | 103.5 |
| 28 | PFHpS | 375-92-8 | 3.57 | 449.1 / 80.1 | 684345 | | 4.644 | 0.316 | 0.316 | Pass | 97.6 |
| 29 | PFHpS_2 | 375-92-8 | 3.57 | 449.1 / 99.1 | 216244 | | 4.796 | 0.316 | 0.316 | Pass | 100.8 |
| 30 | PFOS | 1763-23-1 | 4.01 | 499.1 / 80.1 | 789631 | M5 | 4.406 | 0.244 | 0.244 | Pass | 95.0 |
| 31 | PFOS_2 | 1763-23-1 | 4.01 | 499.1 / 99.1 | 192713 | | 4.279 | 0.244 | 0.244 | Pass | 92.2 |
| 32 | PFNS | 68259-12-1 | 4.42 | 549.1 / 80.1 | 568907 | | 4.662 | 0.294 | 0.294 | Pass | 97.1 |
| 33 | PFNS_2 | 68259-12-1 | 4.42 | 549.1 / 99.1 | 167215 | | 4.793 | 0.294 | 0.294 | Pass | 99.9 |
| 34 | PFDS | 335-77-3 | 4.82 | 599.1 / 80.1 | 567545 | | 4.734 | 0.290 | 0.290 | Pass | 98.2 |
| 35 | PFDS_2 | 335-77-3 | 4.82 | 599.1 / 99.1 | 164482 | | 4.858 | 0.290 | 0.290 | Pass | 100.8 |
| 36 | PFDoS | 79780-39-5 | 5.56 | 699.2 / 80.1 | 520719 | | 4.767 | 0.256 | 0.256 | Pass | 98.5 |
| 37 | PFDoS_2 | 79780-39-5 | 5.56 | 699.2 / 99.1 | 133378 | | 4.737 | 0.256 | 0.256 | Pass | 97.9 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 38 | 4:2FTS | 757124-72-4 | 1.72 | 327.1 / 307.1 | 667760 | | 19.061 | 0.650 | 0.650 | Pass | 101.9 |
| 39 | 4:2FTS_2 | 757124-72-4 | 1.72 | 327.1 / 81.1 | 433871 | | 19.188 | 0.650 | 0.650 | Pass | 102.6 |
| 40 | 6:2FTS | 27619-97-2 | 2.81 | 427.2 / 407.2 | 613808 | | 18.486 | 0.620 | 0.620 | Pass | 97.3 |
| 41 | 6:2FTS_2 | 27619-97-2 | 2.81 | 427.2 / 81.1 | 380645 | | 17.886 | 0.620 | 0.620 | Pass | 94.1 |
| 42 | 8:2FTS | 39108-34-4 | 3.67 | 527.2 / 507.2 | 505170 | | 19.170 | 0.676 | 0.676 | Pass | 99.9 |
| 43 | 8:2FTS_2 | 39108-34-4 | 3.67 | 527.2 / 81.1 | 341482 | | 18.825 | 0.676 | 0.676 | Pass | 98.0 |
| 44 | PFOSA | 754-91-6 | 5.24 | 498.1 / 78.1 | 956494 | M5 | 4.928 | 0.026 | 0.026 | Pass | 98.6 |
| 45 | PFOSA_2 | 754-91-6 | 5.24 | 498.1 / 478.0 | 24841 | M5 | 4.954 | 0.026 | 0.026 | Pass | 99.1 |
| 46 | NMeFOSA | 31506-32-8 | 5.98 | 512.2 / 219.0 | 250084 | M5 | 4.963 | 1.377 | 1.377 | Pass | 99.3 |
| 47 | NMeFOSA_2 | 31506-32-8 | 5.93 | 512.2 / 169.0 | 344349 | | 4.918 | 1.377 | 1.377 | Pass | 98.4 |
| 48 | NEtFOSA | 4151-50-2 | 6.27 | 526.2 / 219.0 | 235607 | | 4.701 | 1.292 | 1.292 | Pass | 94.0 |
| 49 | NEtFOSA_2 | 4151-50-2 | 6.23 | 526.2 / 169.0 | 304375 | | 4.867 | 1.292 | 1.292 | Pass | 97.4 |
| 50 | NMeFOSAA | 2355-31-9 | 3.99 | 570.2 / 419.1 | 145585 | | 4.623 | 0.697 | 0.697 | Pass | 92.5 |
| 51 | NMeFOSAA_2 | 2355-31-9 | 3.99 | 570.2 / 483.0 | 101452 | M5 | 4.484 | 0.697 | 0.697 | Pass | 89.7 |
| 52 | NEtFOSAA | 2991-50-6 | 4.20 | 584.2 / 419.1 | 132430 | M5 | 5.207 | 0.557 | 0.557 | Pass | 104.1 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | NEtFOSAA_2 | 2991-50-6 | 4.20 | 584.2 / 526.2 | 73749 | M5 | 5.261 | 0.557 | 0.557 | Pass | 105.2 |
| 54 | NMeFOSE | 24448-09-7 | 5.85 | 616.1 / 58.9 | 3643445 | M5 | 49.553 | N/A | N/A | N/A | 99.1 |
| 55 | NEtFOSE | 1691-99-2 | 6.14 | 630.0 / 58.9 | 5175067 | M5 | 50.657 | N/A | N/A | N/A | 101.3 |
| 56 | HFPO-DA | 13252-13-6 | 2.14 | 285.0 / 169.0 | 3399227 | | 20.693 | 0.501 | 0.501 | Pass | 103.5 |
| 57 | HFPO-DA_2 | 13252-13-6 | 2.14 | 285.0 / 184.9 | 1703068 | | 19.664 | 0.501 | 0.501 | Pass | 98.3 |
| 58 | ADONA | 919005-14-4 | 2.68 | 376.9 / 251.0 | 5884811 | | 17.937 | 0.691 | 0.691 | Pass | 94.9 |
| 59 | ADONA_2 | 919005-14-4 | 2.69 | 376.9 / 84.8 | 4064983 | | 18.701 | 0.691 | 0.691 | Pass | 99.0 |
| 60 | 9Cl-PF3ONS | 756426-58-1 | 4.29 | 530.8 / 351.1 | 6032741 | | 19.751 | 0.332 | 0.332 | Pass | 105.6 |
| 61 | 9Cl-PF3ONS_2 | 756426-58-1 | 4.29 | 532.8 / 353.0 | 2002545 | | 19.725 | 0.332 | 0.332 | Pass | 105.5 |
| 62 | 11Cl-PF3OUdS | 763051-92-9 | 5.08 | 630.9 / 451.0 | 5149429 | | 19.937 | 0.322 | 0.322 | Pass | 105.5 |
| 63 | 11Cl-PF3OUdS_2 | 763051-92-9 | 5.08 | 632.9 / 452.9 | 1656131 | | 19.976 | 0.322 | 0.322 | Pass | 105.7 |
| 64 | 3:3FTCA | 356-02-5 | 1.57 | 241.1 / 177.1 | 303513 | | 25.115 | 1.010 | 1.010 | Pass | 100.5 |
| 65 | 3:3FTCA_2 | 356-02-5 | 1.57 | 241.1 / 117.0 | 306657 | | 23.370 | 1.010 | 1.010 | Pass | 93.5 |
| 66 | 5:3FTCA | 914637-49-3 | 3.04 | 341.1 / 237.1 | 6094534 | | 127.497 | 1.017 | 1.017 | Pass | 102.0 |
| 67 | 5:3FTCA_2 | 914637-49-3 | 3.04 | 341.1 / 217.0 | 6196859 | | 128.663 | 1.017 | 1.017 | Pass | 102.9 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 7:3FTCA | 812-70-4 | 4.07 | 441.1 / 316.9 | 5129873 | | 130.975 | 1.343 | 1.343 | Pass | 104.8 |
| 69 | 7:3FTCA_2 | 812-70-4 | 4.07 | 441.1 / 337.1 | 6887248 | | 133.024 | 1.343 | 1.343 | Pass | 106.4 |
| 70 | PFEESA | 113507-82-7 | 2.23 | 315.1 / 135.0 | 4413745 | | 8.885 | 0.081 | 0.081 | Pass | 99.6 |
| 71 | PFEESA_2 | 113507-82-7 | 2.23 | 315.1 / 82.9 | 355581 | | 8.703 | 0.081 | 0.081 | Pass | 97.6 |
| 72 | PFMPA | 377-73-1 | 0.76 | 229.0 / 85.0 | 1710204 | | 9.664 | N/A | N/A | N/A | 96.6 |
| 73 | PFMBA | 863090-89-5 | 1.45 | 279.0 / 85.0 | 1781362 | | 9.944 | N/A | N/A | N/A | 99.4 |
| 74 | NFDHA | 151772-58-6 | 1.85 | 295.0 / 201.0 | 1325671 | | 10.195 | 0.681 | 0.681 | Pass | 102.0 |
| 75 | NFDHA_2 | 151772-58-6 | 1.85 | 295.0 / 84.9 | 902339 | | 9.805 | 0.681 | 0.681 | Pass | 98.1 |
| 76 | TDCA | 516-50-7 | 2.67 | 499.1 / 124.1 | 1993257 | | 9.851 | 5.680 | 5.680 | Pass | 98.5 |
| 77 | TDCA_2 | 516-50-7 | 2.67 | 499.1 / 79.9 | 11320857 | | 9.931 | 5.680 | 5.680 | Pass | 99.3 |
| 78 | 13C2D4-4:2FTS | Surr | 1.71 | 333.2 / 312.1 | 151148 | | 4.895 | N/A | N/A | N/A | 97.9 |
| 79 | 13C2-PFOA | Surr | 2.99 | 415.0 / 370.0 | 368927 | | 2.517 | N/A | N/A | N/A | 100.7 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C4-PFBA | EIS | 0.60 | 217.0 / 172.0 | 1893182 | | 9.925 | 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 | 1.18 | 268.0 / 223.0 | 815409 | | 4.751 | NA | NA | NA | 95.0 |
| | 13C5-PFHxA | EIS | 1.92 | 318.0 / 273.0 | 373194 | | 2.313 | NA | NA | NA | 92.5 |
| | 13C4-PFHpA | EIS | 2.50 | 367.0 / 322.0 | 383347 | | 2.463 | NA | NA | NA | 98.5 |
| | 13C8-PFOA | EIS | 2.99 | 420.8 / 376.0 | 619864 | | 2.352 | NA | NA | NA | 94.1 |
| | 13C9-PFNA | EIS | 3.43 | 472.0 / 427.0 | 267518 | | 1.165 | NA | NA | NA | 93.2 |
| | 13C6-PFDA | EIS | 3.85 | 519.0 / 474.0 | 303509 | | 1.169 | NA | NA | NA | 93.6 |
| | 13C7-PFUnA | EIS | 4.26 | 570.0 / 525.0 | 344649 | | 1.203 | NA | NA | NA | 96.3 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C2-PFDoA | EIS | 4.65 | 615.1 / 570.0 | 339869 | | 1.180 | NA | NA | NA | 94.4 |
| | 13C2-PFTeDA | EIS | 5.40 | 715.1 / 670.1 | 227851 | | 1.219 | NA | NA | NA | 97.6 |
| | 13C3-PFBS | EIS | 1.92 | 302.1 / 80.1 | 383340 | | 2.189 | NA | NA | NA | 94.0 |
| | 13C3-PFHxS | EIS | 3.09 | 402.1 / 80.1 | 341511 | | 2.194 | NA | NA | NA | 92.6 |
| | 13C8-PFOS | EIS | 4.00 | 507.1 / 80.1 | 375974 | | 2.474 | NA | NA | NA | 103.1 |
| | 13C2-4:2FTS | EIS | 1.72 | 329.1 / 81.1 | 106752 | | 4.134 | NA | NA | NA | 88.1 |
| | 13C2-6:2FTS | EIS | 2.80 | 429.2 / 81.1 | 98255 | | 4.419 | NA | NA | NA | 92.8 |
| | 13C2-8:2FTS | EIS | 3.67 | 529.2 / 81.1 | 95058 | | 4.223 | NA | NA | NA | 88.0 |

| Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| 13C8-PFOSA | EIS | 5.24 | 506.1 / 78.1 | 605958 | | 2.512 | NA | NA | NA | 100.5 |
| d3-NMeFOSA | EIS | 5.97 | 515.2 / 219.0 | 112380 | | 2.580 | NA | NA | NA | 103.2 |
| d5-NEtFOSA | EIS | 6.26 | 531.2 / 219.0 | 102844 | | 2.596 | NA | NA | NA | 103.9 |
| d3-NMeFOSAA | EIS | 3.98 | 573.2 / 419.1 | 173229 | | 5.812 | NA | NA | NA | 116.2 |
| d5-NEtFOSAA | EIS | 4.19 | 589.3 / 419.1 | 117302 | | 4.925 | NA | NA | NA | 98.5 |
| d7-NMeFOSE | EIS | 5.82 | 623.2 / 58.9 | 811391 | | 25.897 | NA | NA | NA | 103.6 |
| d9-NEtFOSE | EIS | 6.12 | 639.2 / 58.9 | 1081459 | | 25.731 | NA | NA | NA | 102.9 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C3-HFPO-DA | EIS | 2.13 | 287.0 / 169.0 | 1620896 | | 9.497 | NA | NA | NA | 95.0 |
| | 13C3-PFBA | NIS | 0.59 | 216.0 / 172.0 | 844058 | | 5.824 | NA | NA | NA | 116.5 |
| | 13C2-PFHxA | NIS | 1.92 | 315.0 / 270.0 | 475130 | | 2.932 | NA | NA | NA | 117.3 |
| | 13C4-PFOA | NIS | 2.99 | 417.0 / 372.0 | 400543 | | 2.786 | NA | NA | NA | 111.4 |
| | 13C5-PFNA | NIS | 3.43 | 468.0 / 423.0 | 287712 | | 1.396 | NA | NA | NA | 111.7 |
| | 13C2-PFDA | NIS | 3.85 | 515.1 / 470.1 | 302924 | | 1.425 | NA | NA | NA | 114.0 |
| | 18O2-PFHxS | NIS | 3.09 | 403.1 / 84.1 | 327303 | | 2.780 | NA | NA | NA | 117.3 |
| | 13C4-PFOS | NIS | 4.00 | 503.1 / 80.1 | 305674 | | 2.543 | NA | NA | NA | 105.9 |

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

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

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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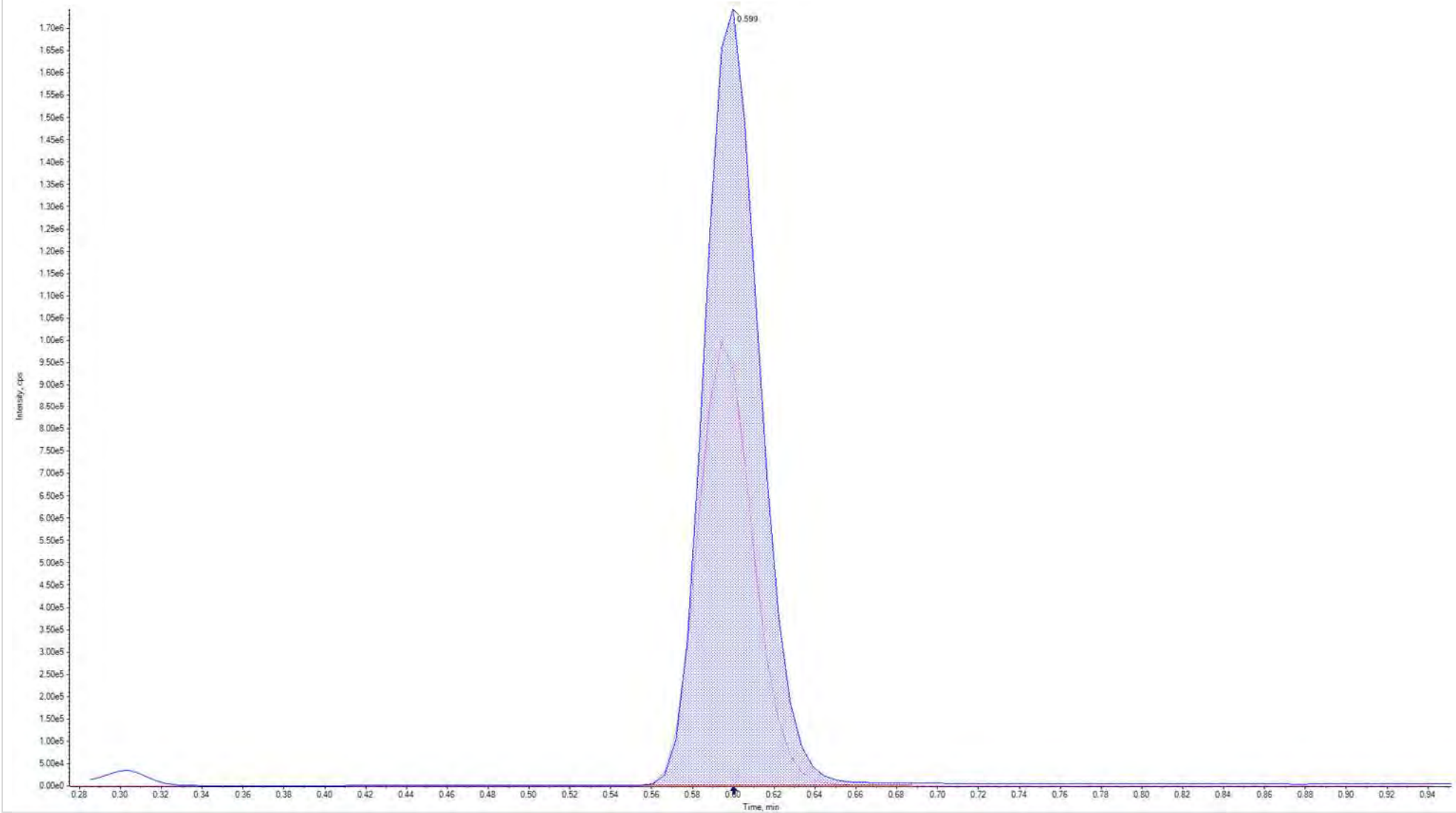
PFBA
Sample: IA1633STD-5 S/N:2556.3 Points Across peak:29



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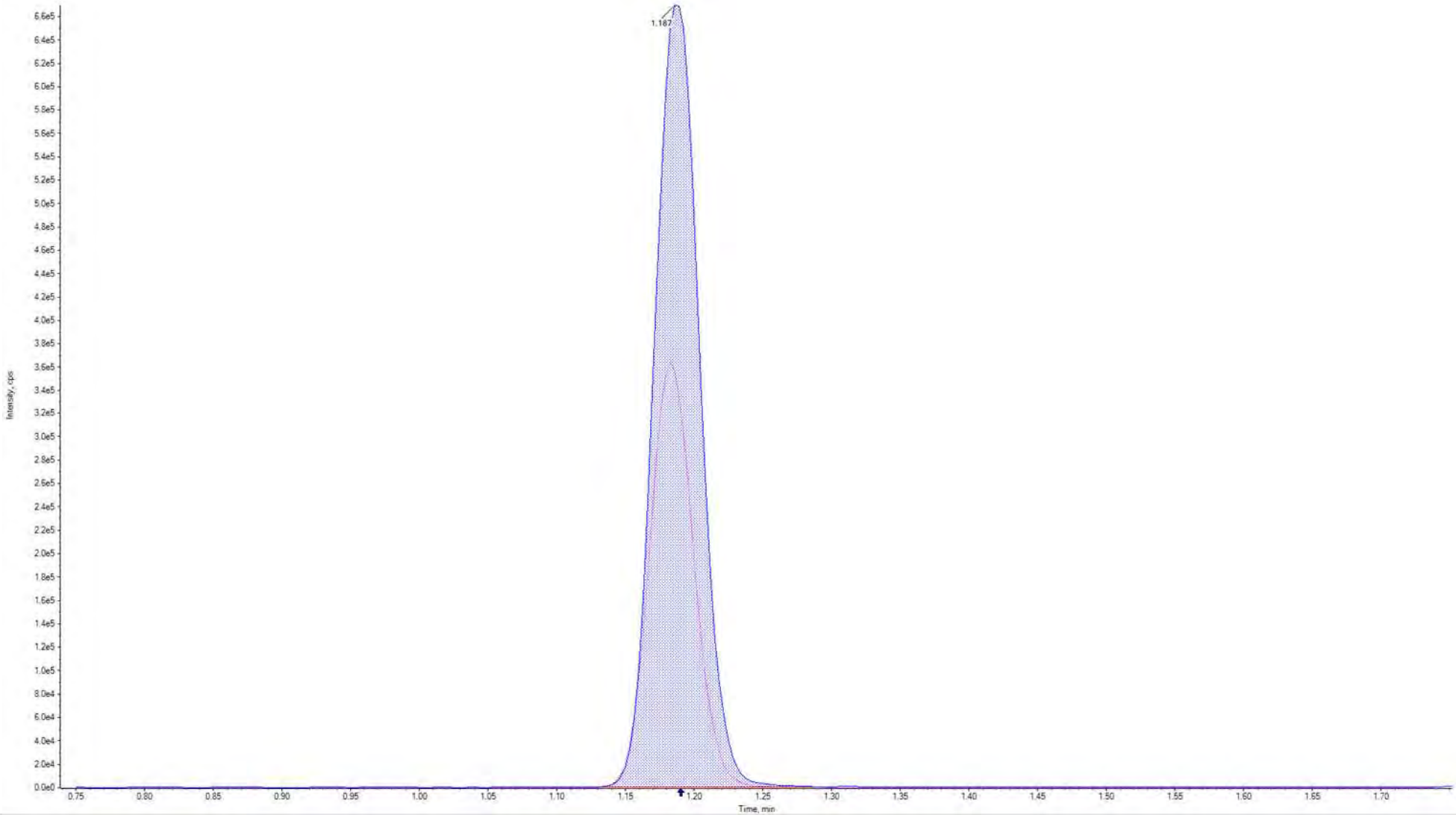
PFPeA
Sample: IA1633STD-5 S/N:5413.7 Points Across peak:50



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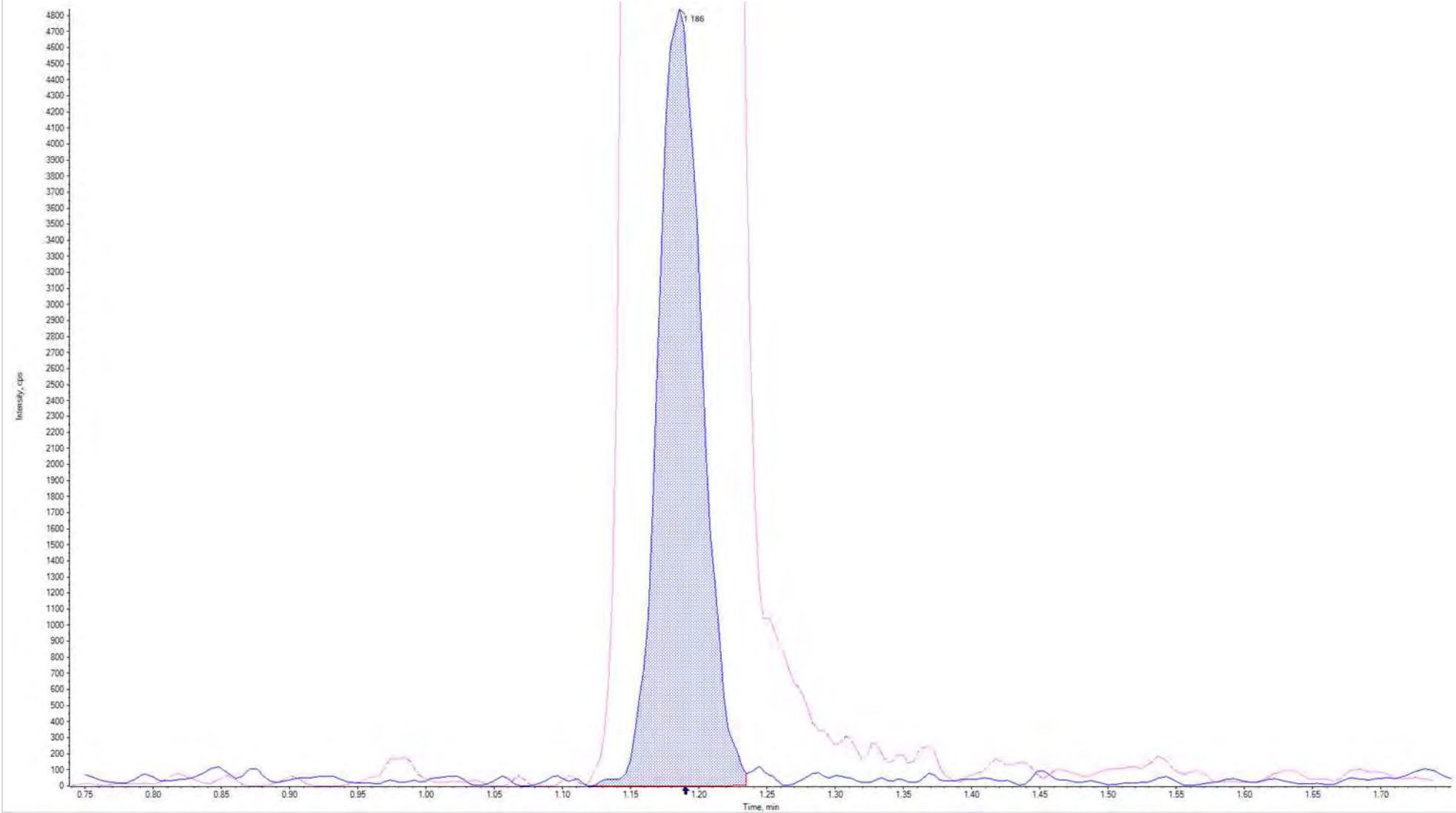
PFPeA_2
Sample: IA1633STD-5 S/N:291.1 Points Across peak:37



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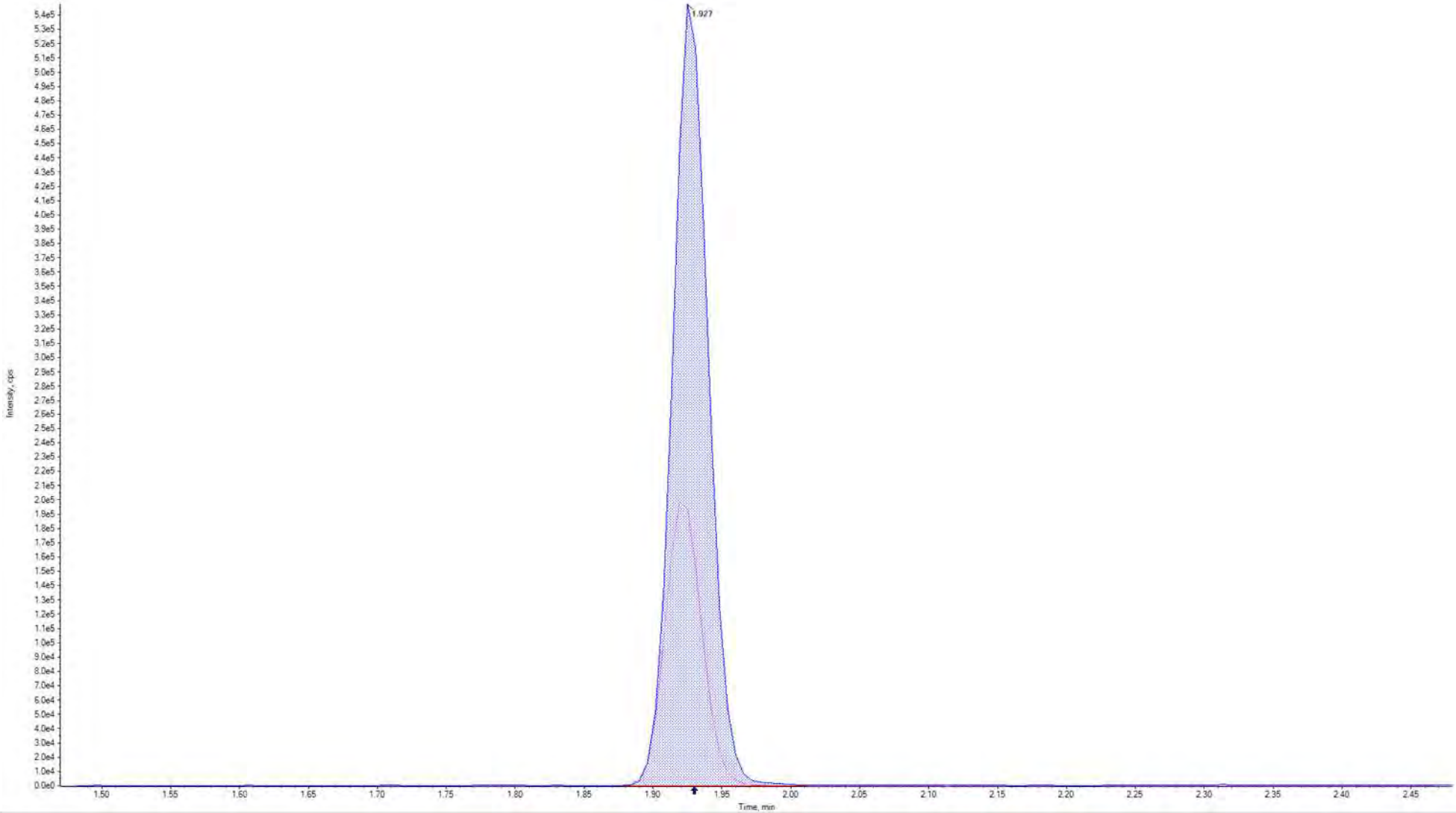
PFHxA
Sample: IA1633STD-5 S/N:8644.1 Points Across peak:27



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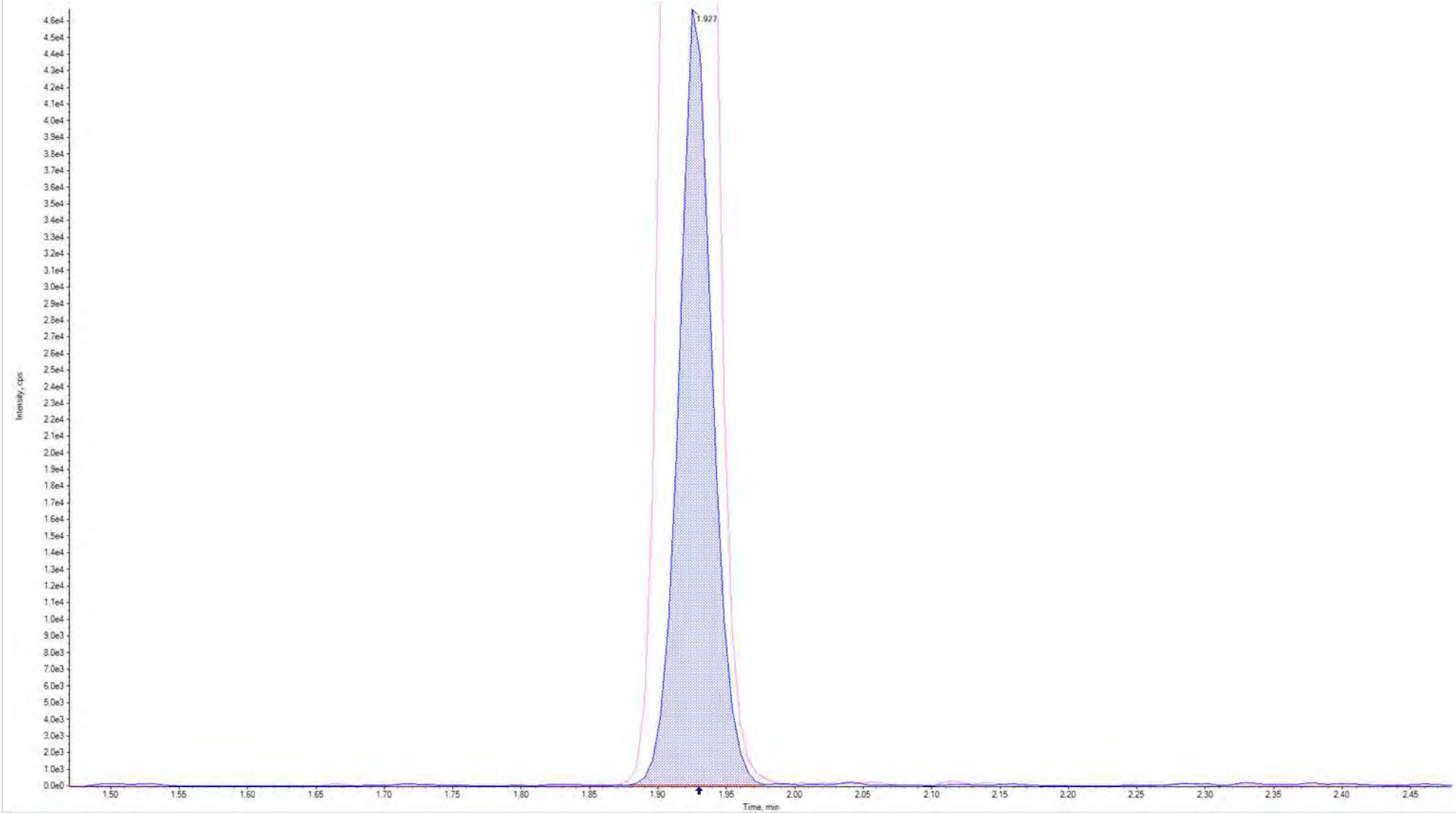
PFHxA_2
Sample: IA1633STD-5 S/N:1047.9 Points Across peak:20



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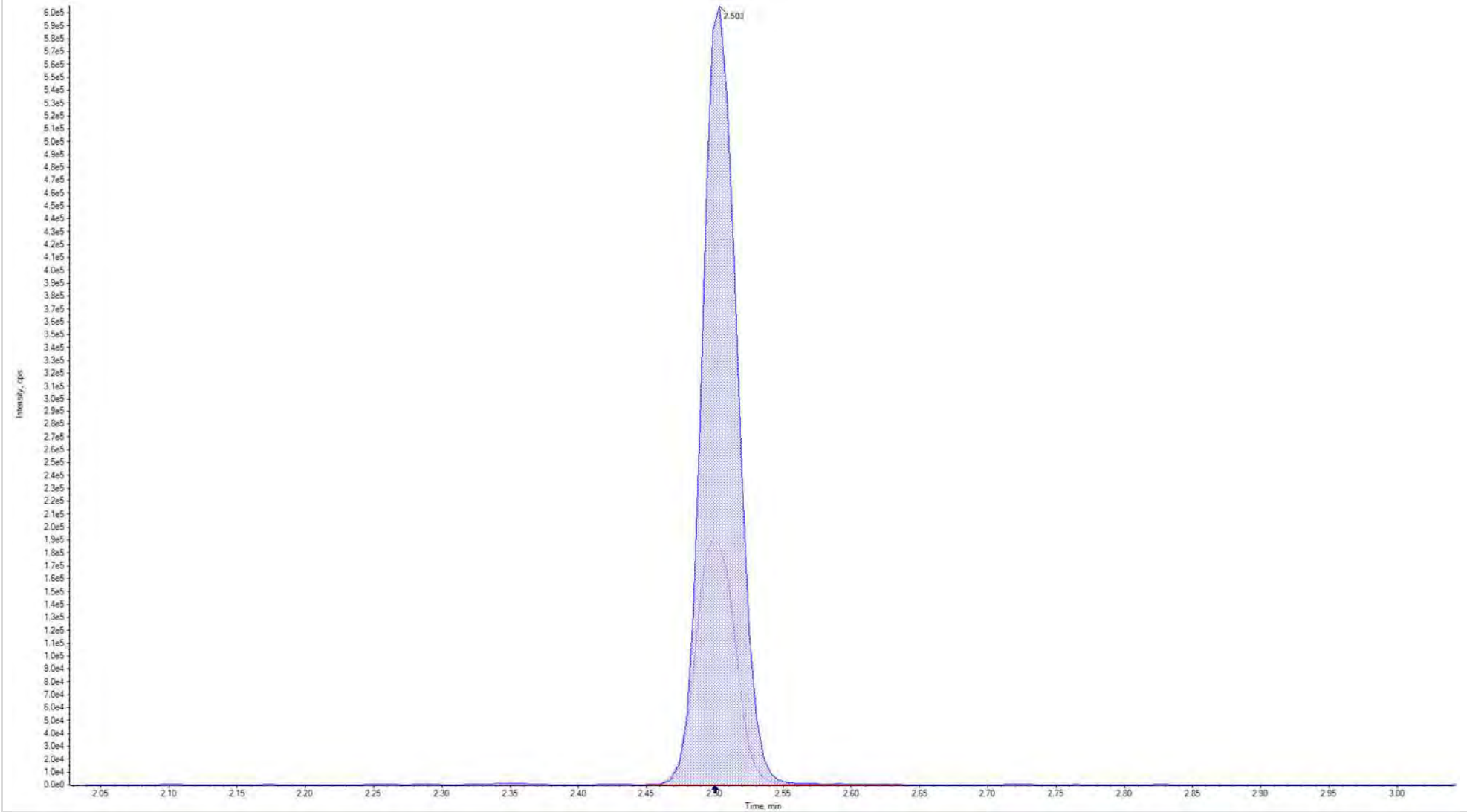
PFHpA
Sample: IA1633STD-5 S/N:5442.8 Points Across peak:36



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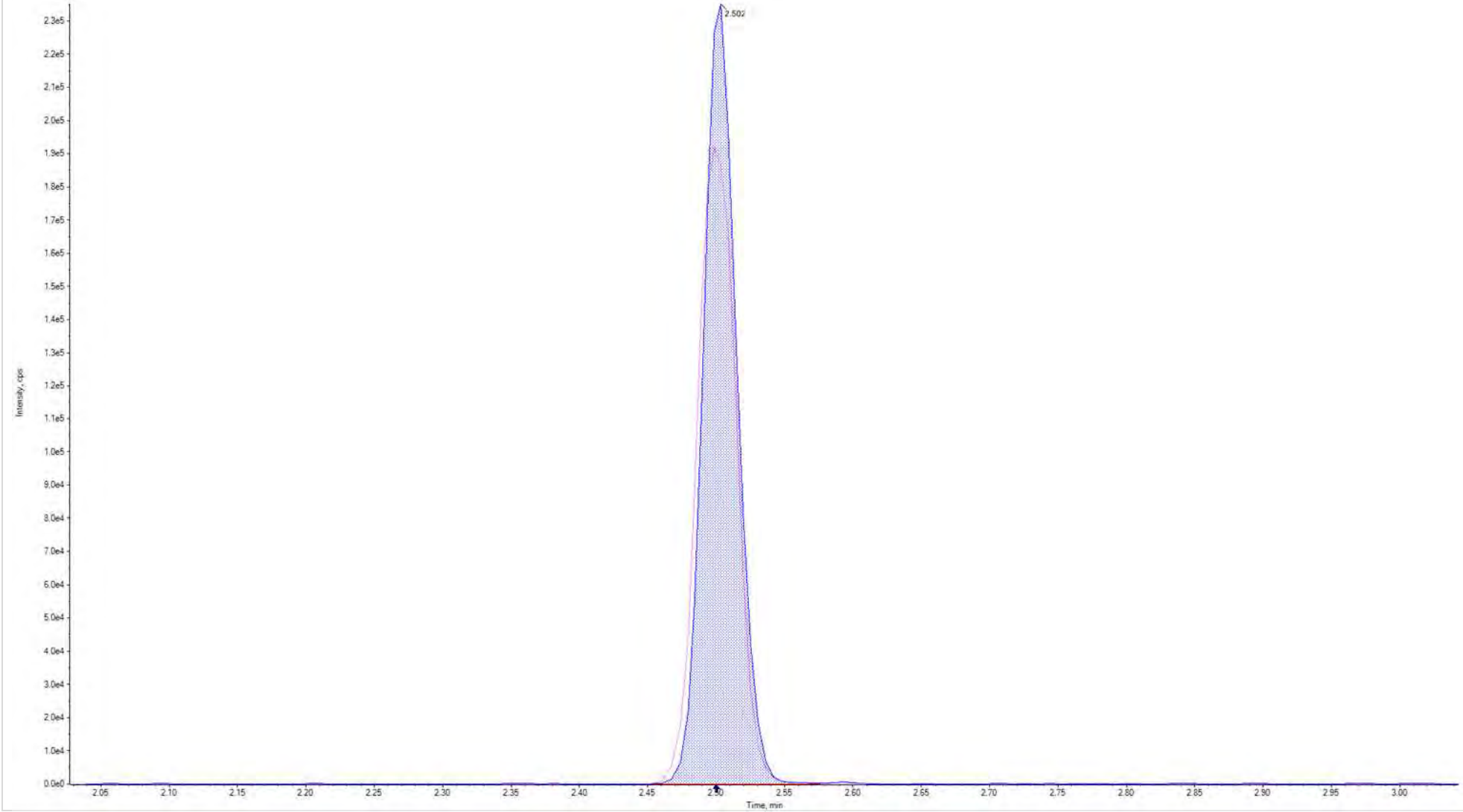
PFHpA_2
Sample: IA1633STD-5 S/N:4715.0 Points Across peak:27



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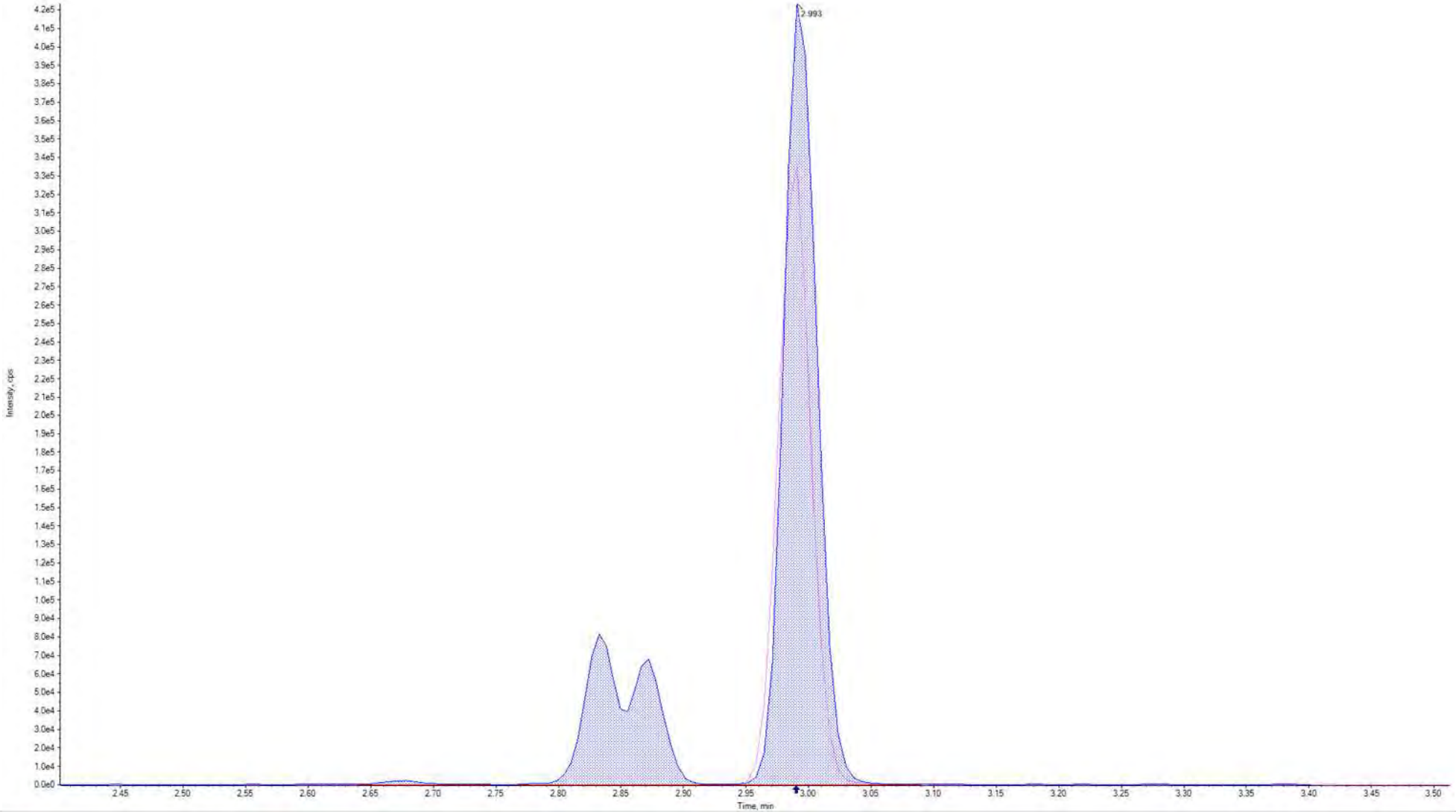
PFOA
Sample: IA1633STD-5 S/N:807.4 Points Across peak:75



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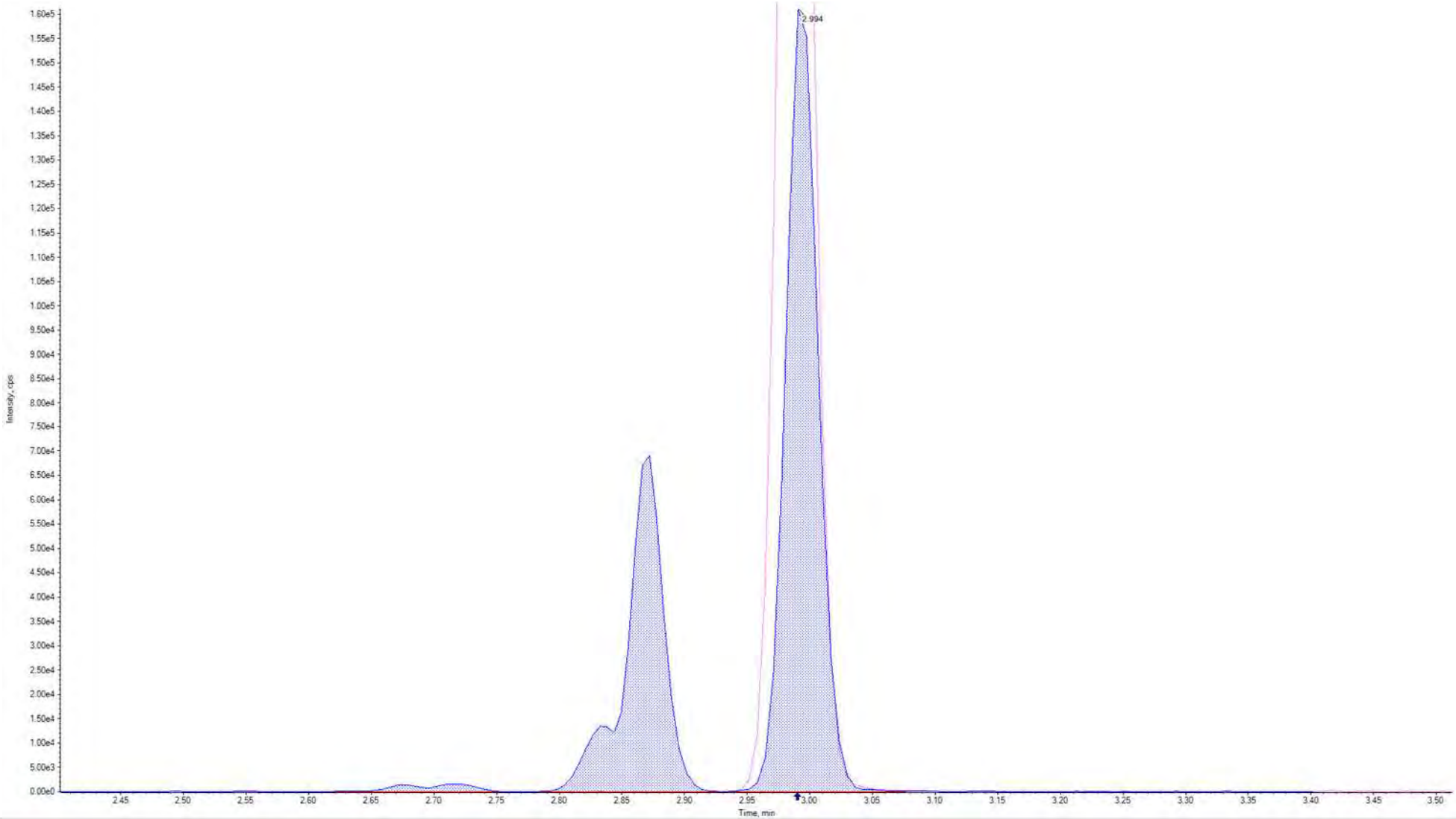
PFOA_2
Sample: IA1633STD-5 S/N:576.6 Points Across peak:78



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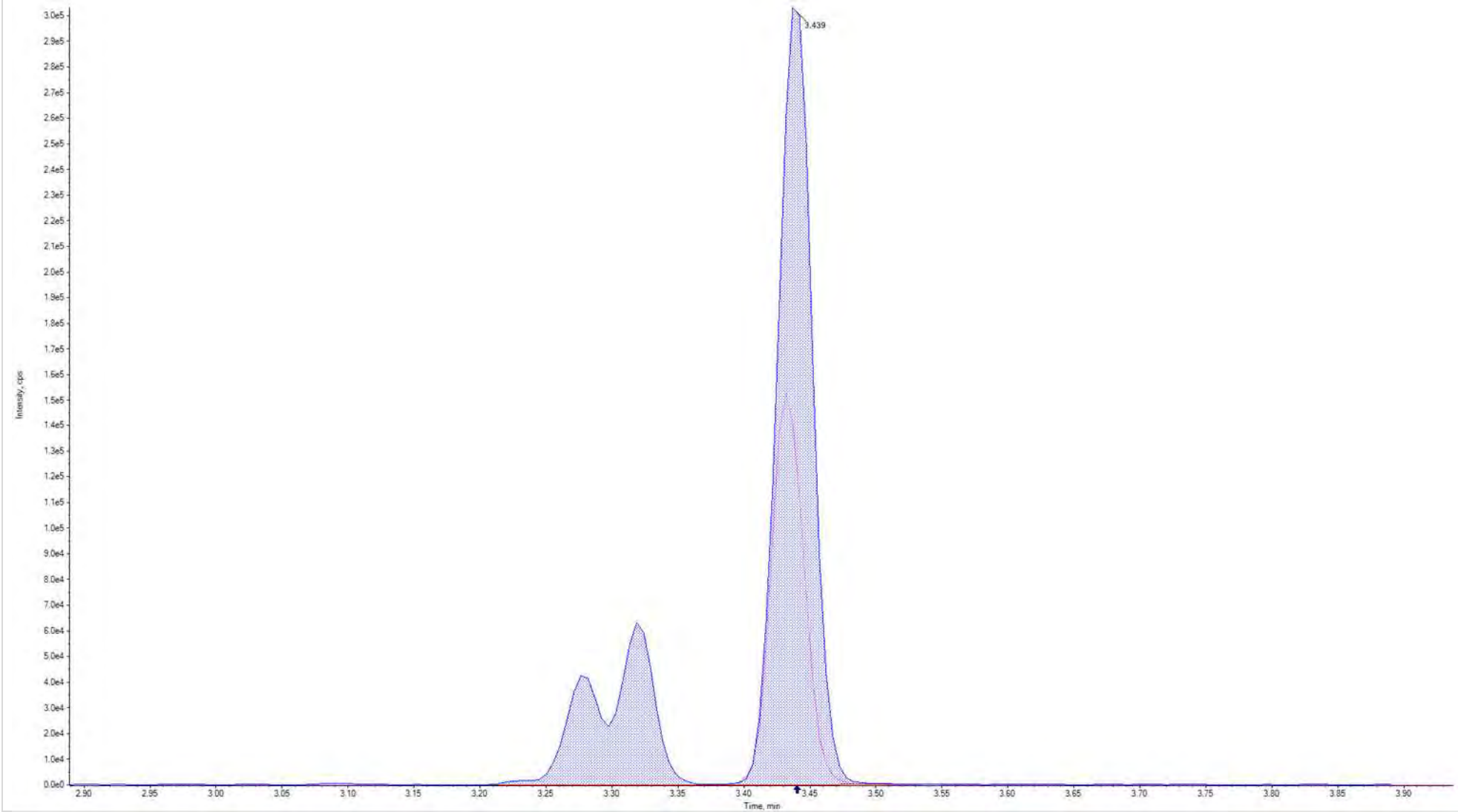
PFNA
Sample: IA1633STD-5 S/N:781.9 Points Across peak:68



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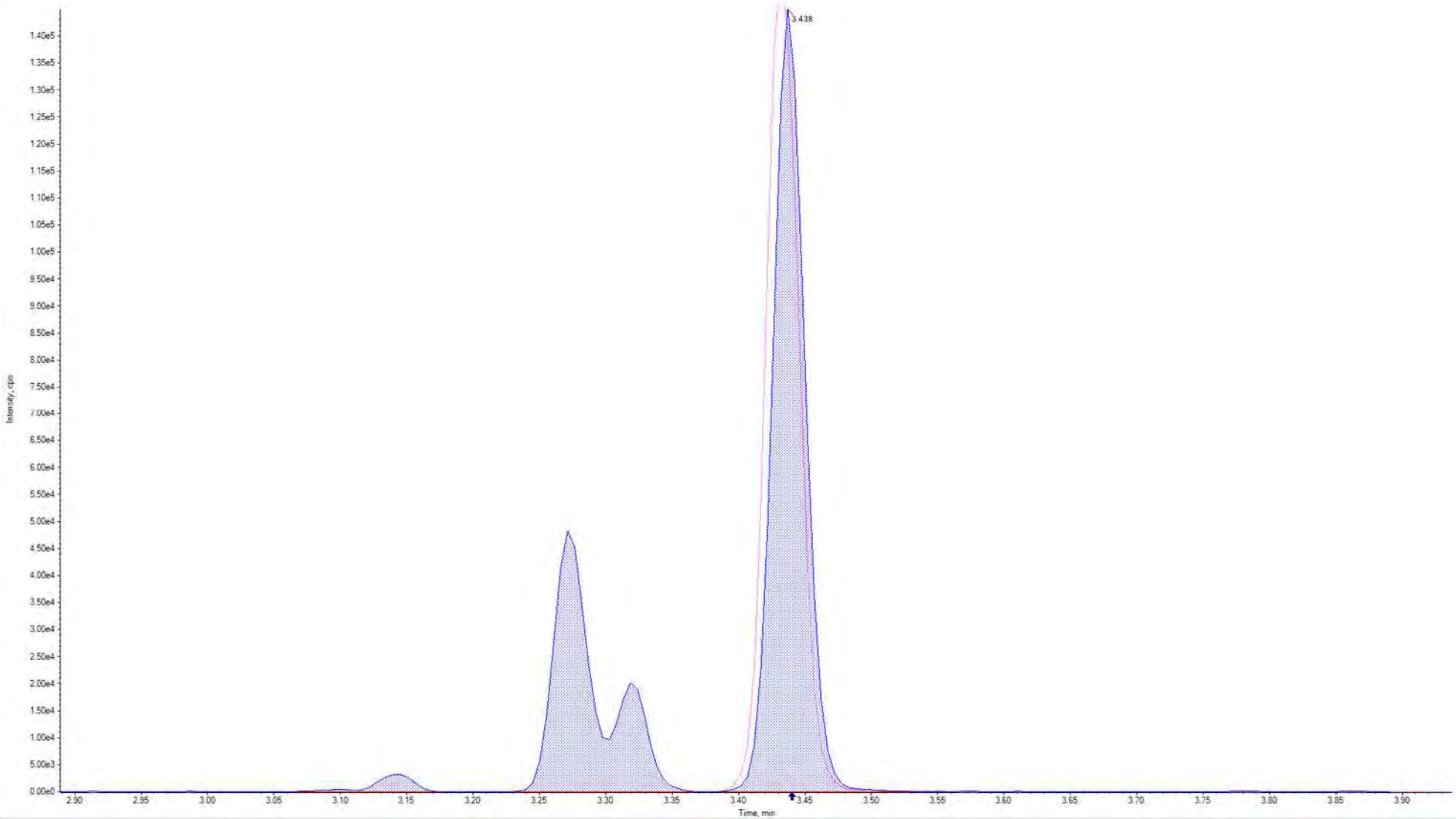
PFNA_2
Sample: IA1633STD-5 S/N:497.0 Points Across peak:90



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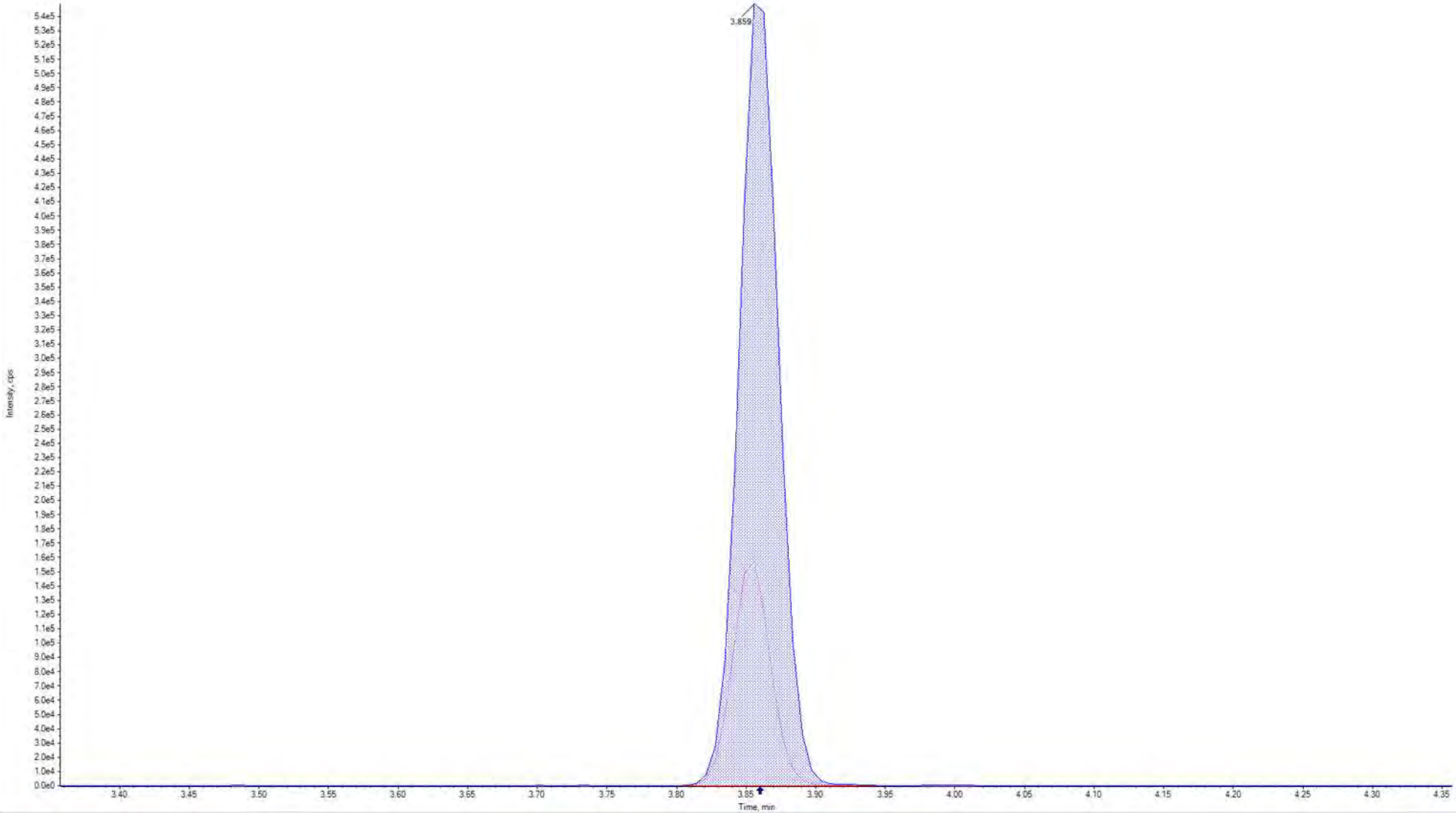
PFDA
Sample: IA1633STD-5 S/N:11005.4 Points Across peak:28



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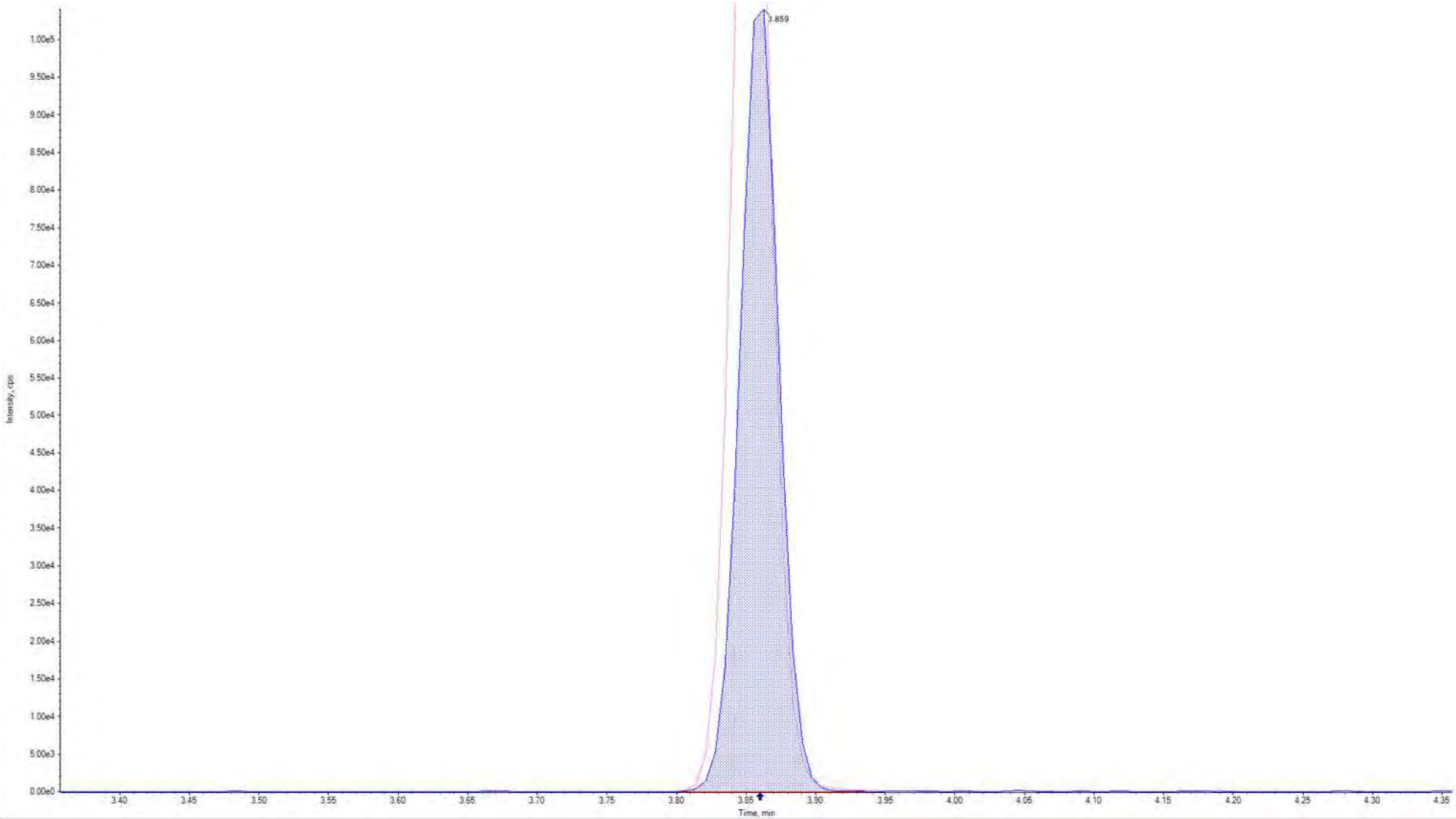
PFDA_2
Sample: IA1633STD-5 S/N:2086.3 Points Across peak:23



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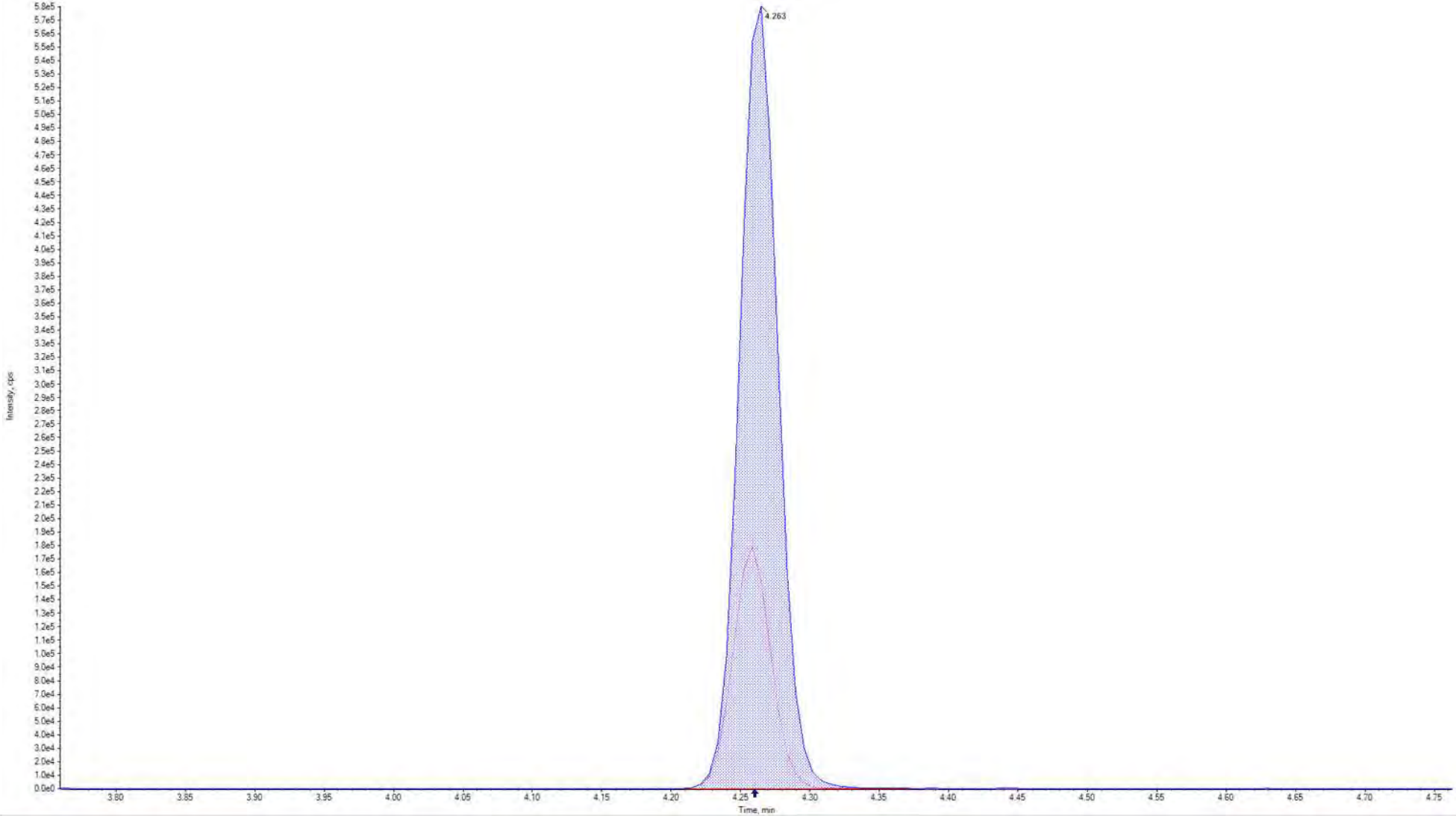
PFUnA
Sample: IA1633STD-5 S/N:13090.2 Points Across peak:31



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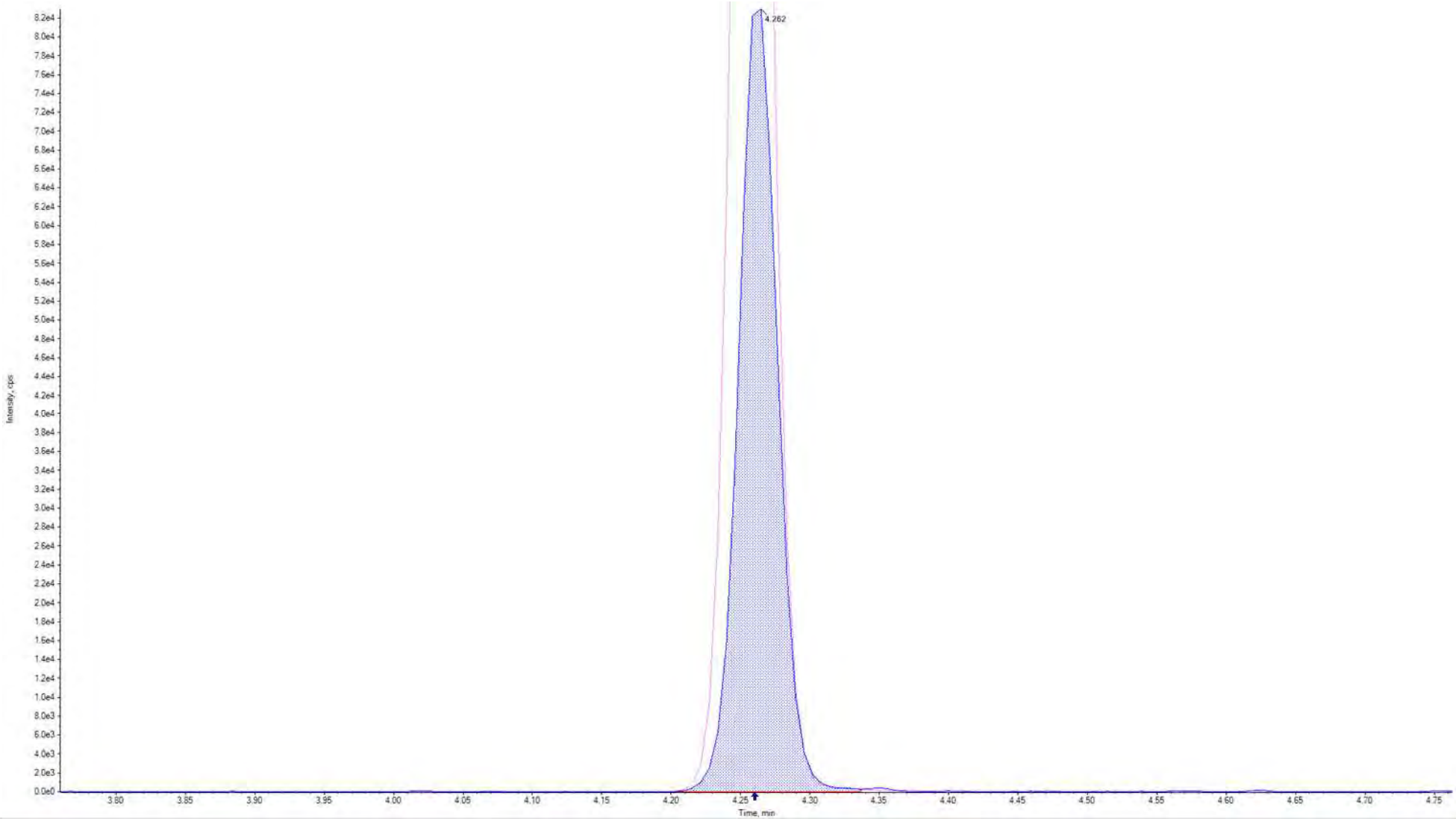
PFUnA_2
Sample: IA1633STD-5 S/N:1870.8 Points Across peak:26



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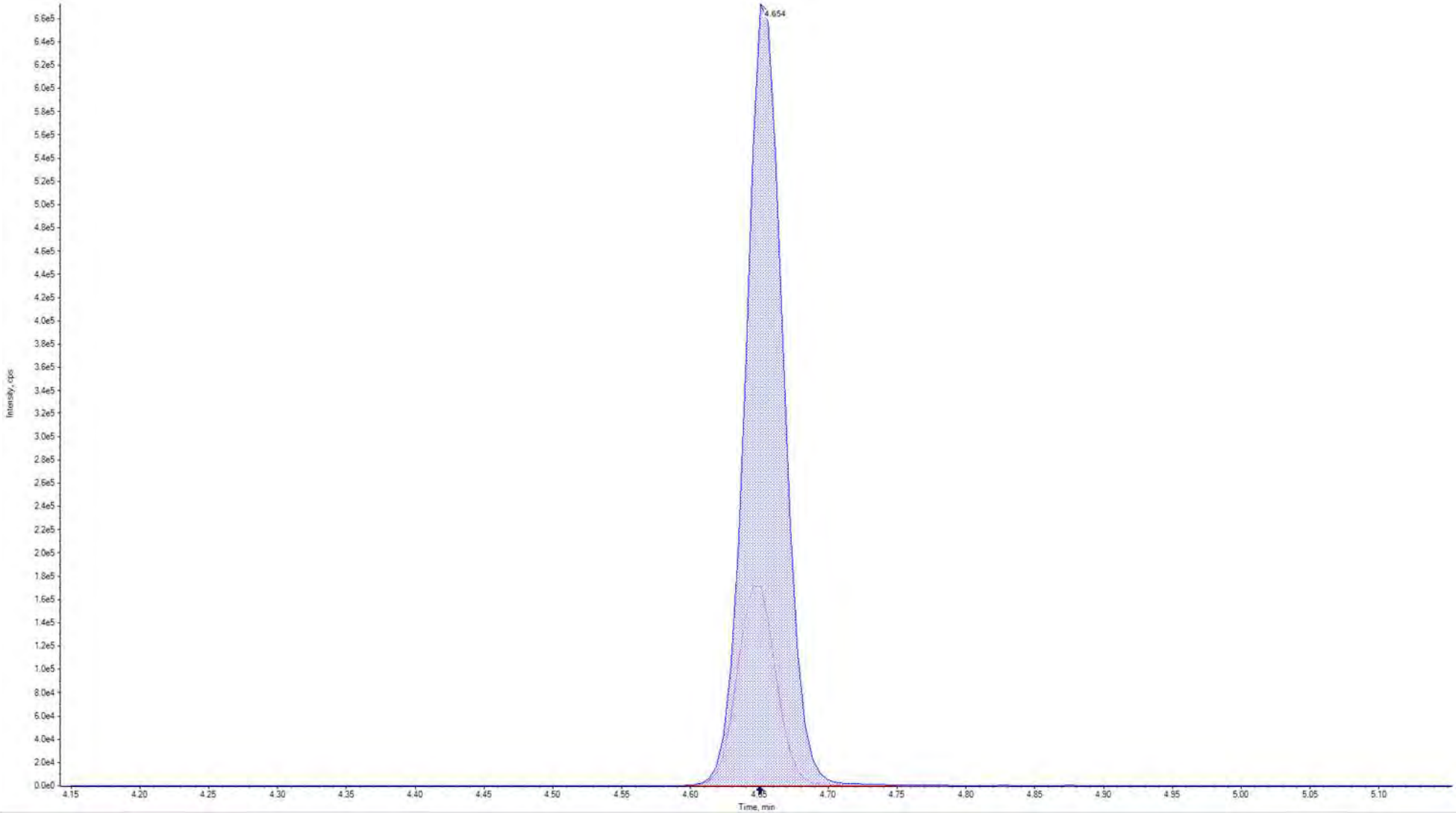
PFDoA
Sample: IA1633STD-5 S/N:14388.4 Points Across peak:31



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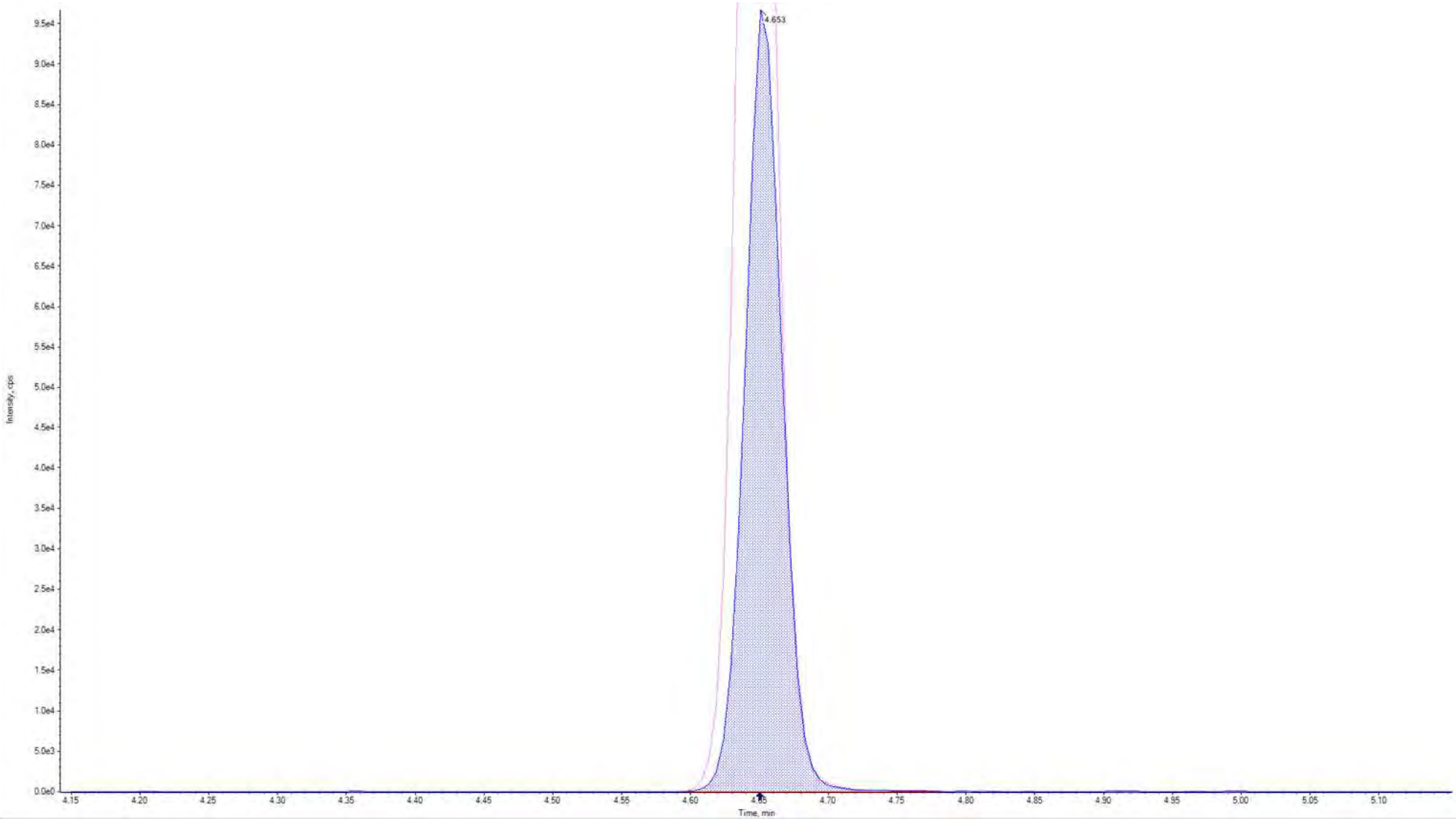
PFDoA_2
Sample: IA1633STD-5 S/N:2665.8 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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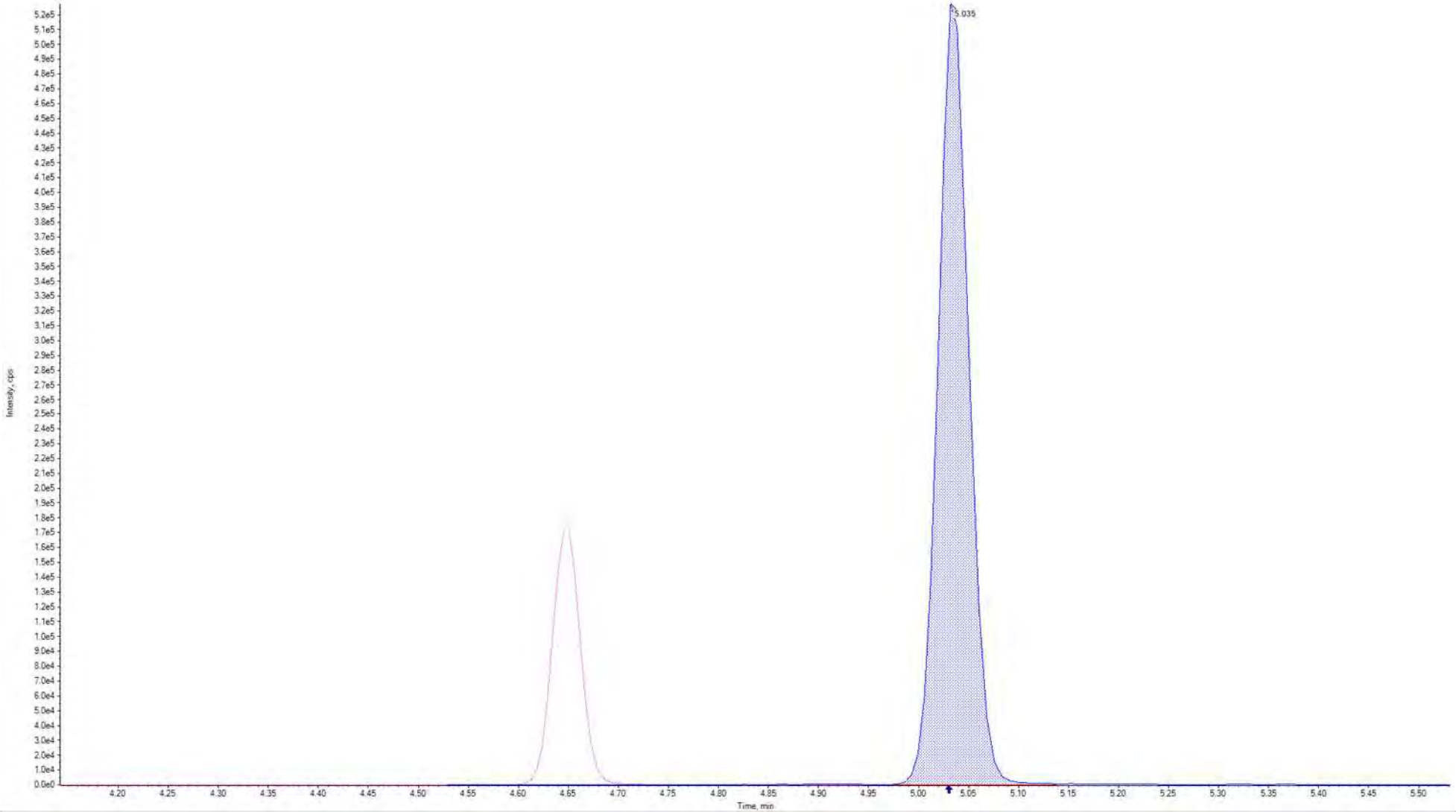
PFTrDA
Sample: IA1633STD-5 S/N:21144.2 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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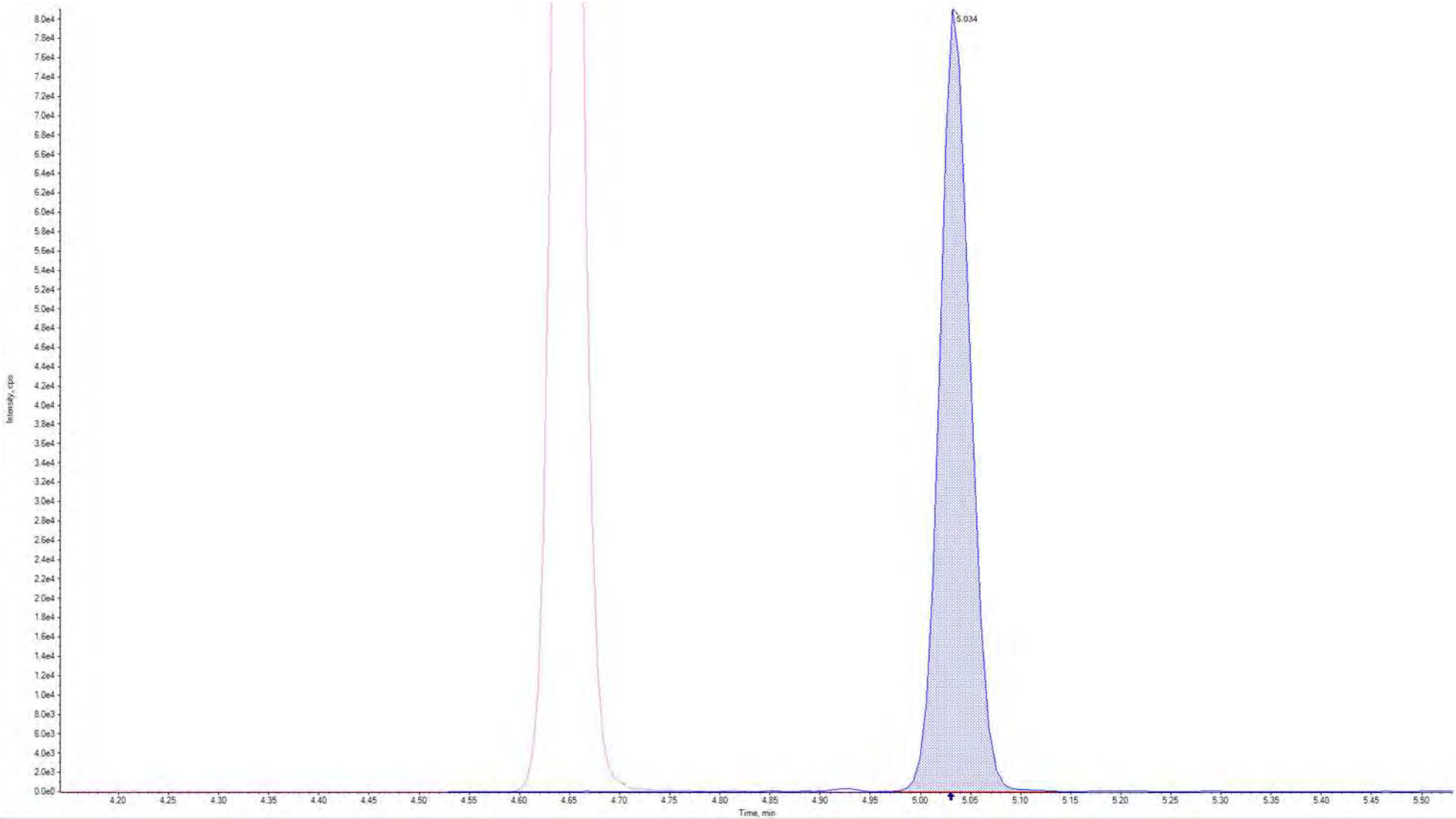
PFTrDA_2
Sample: IA1633STD-5 S/N:3249.4 Points Across peak:28



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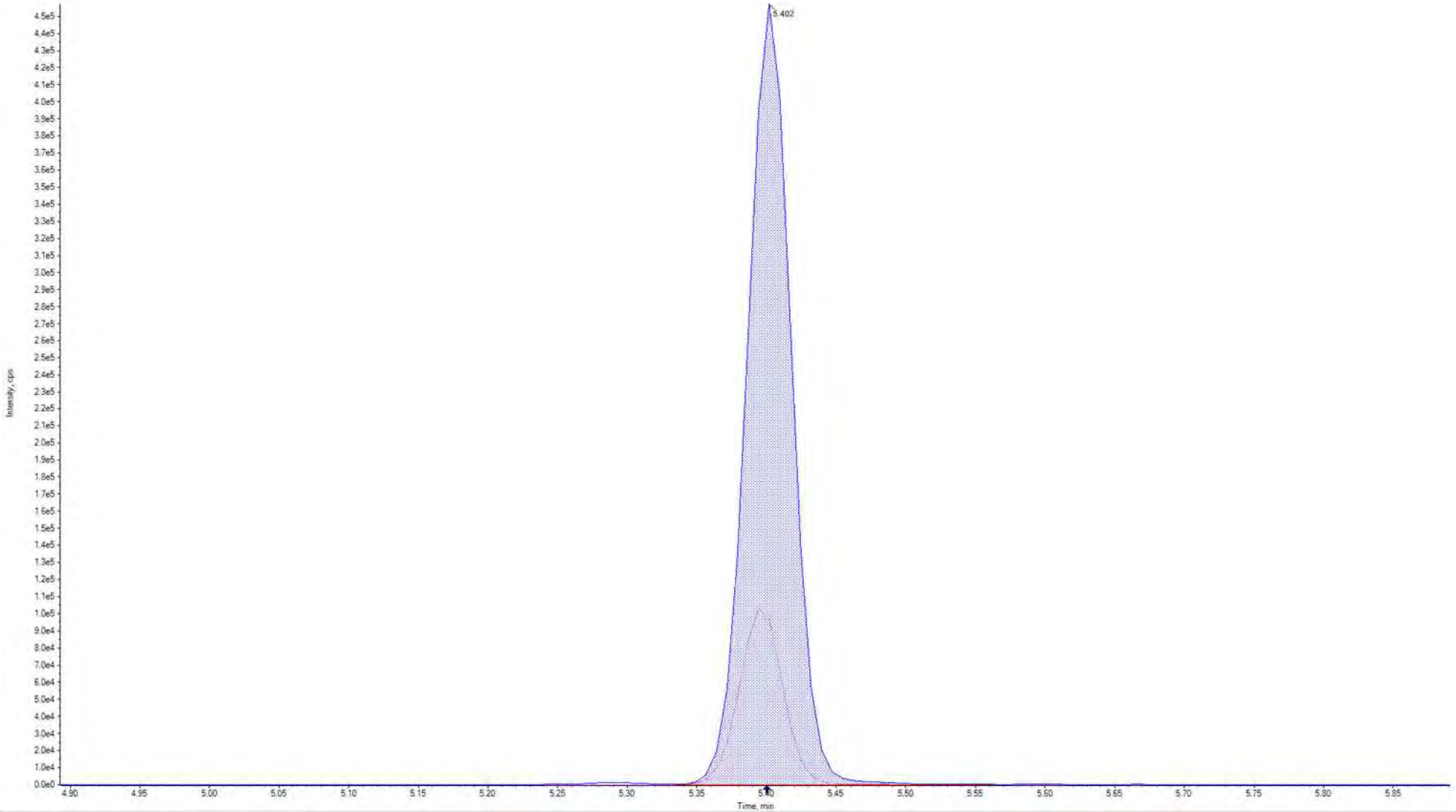
PFTeDA
Sample: IA1633STD-5 S/N:9918.5 Points Across peak:30



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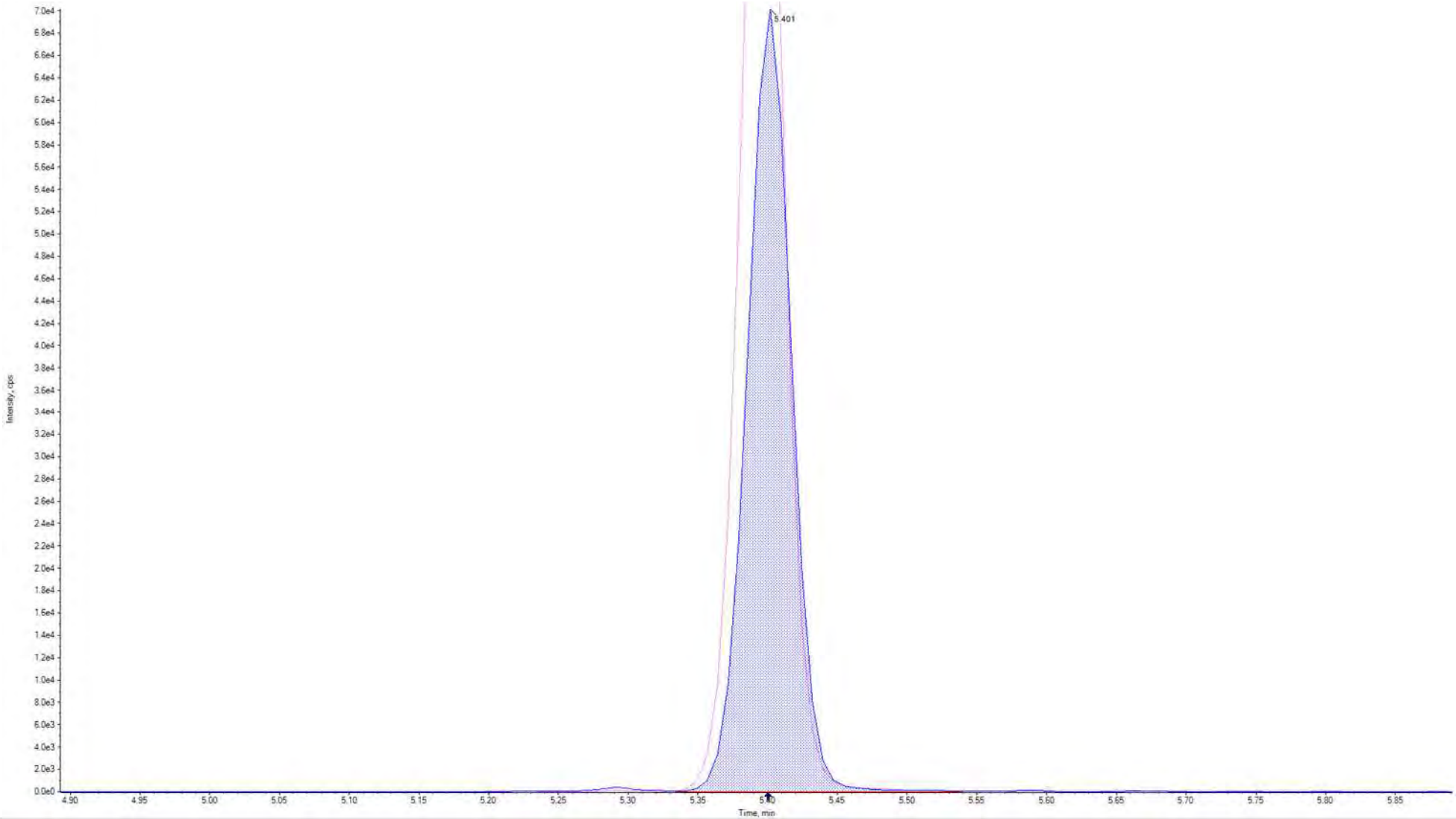
PFTeDA_2
Sample: IA1633STD-5 S/N:1586.4 Points Across peak:26



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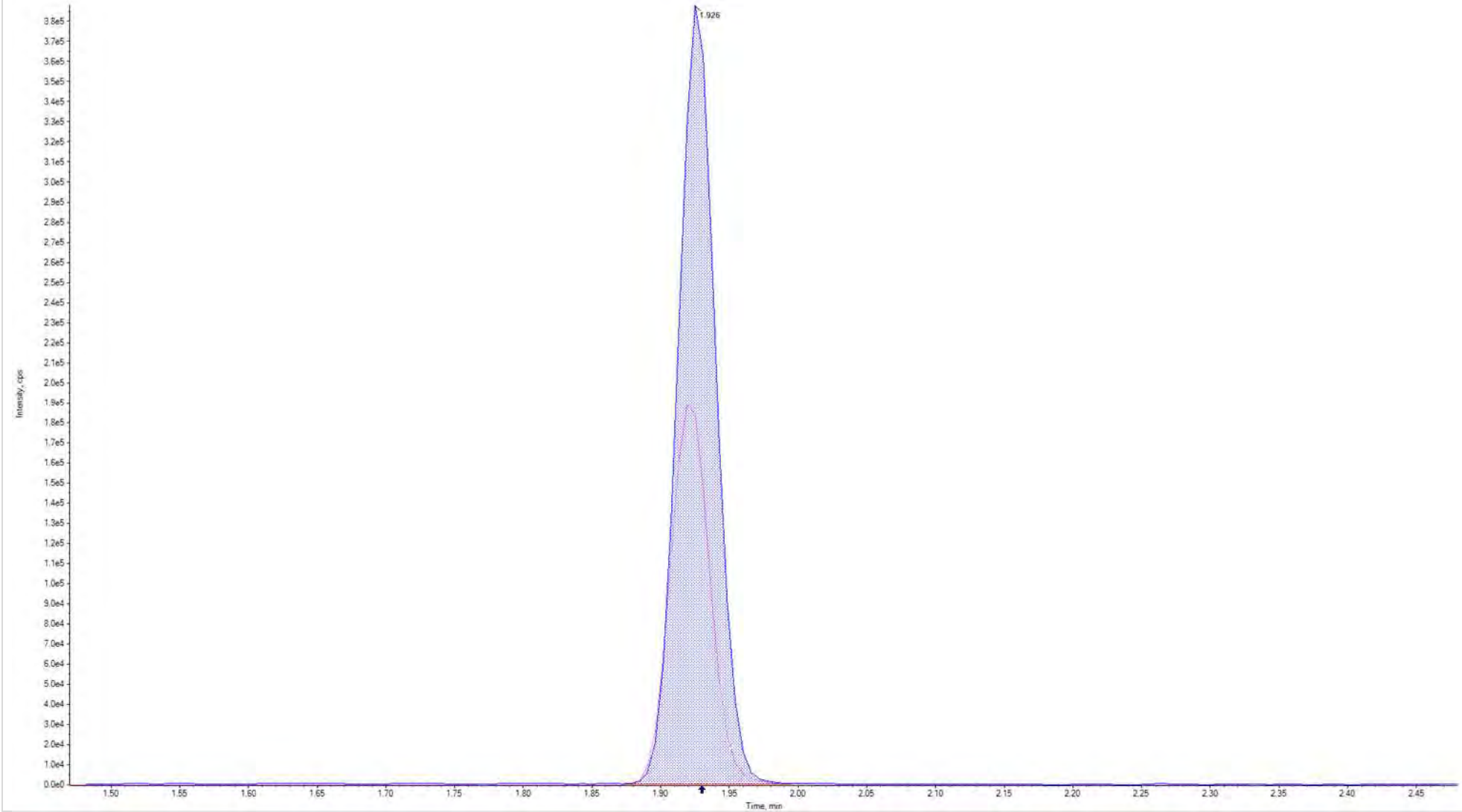
PFBS
Sample: IA1633STD-5 S/N:2670.2 Points Across peak:22



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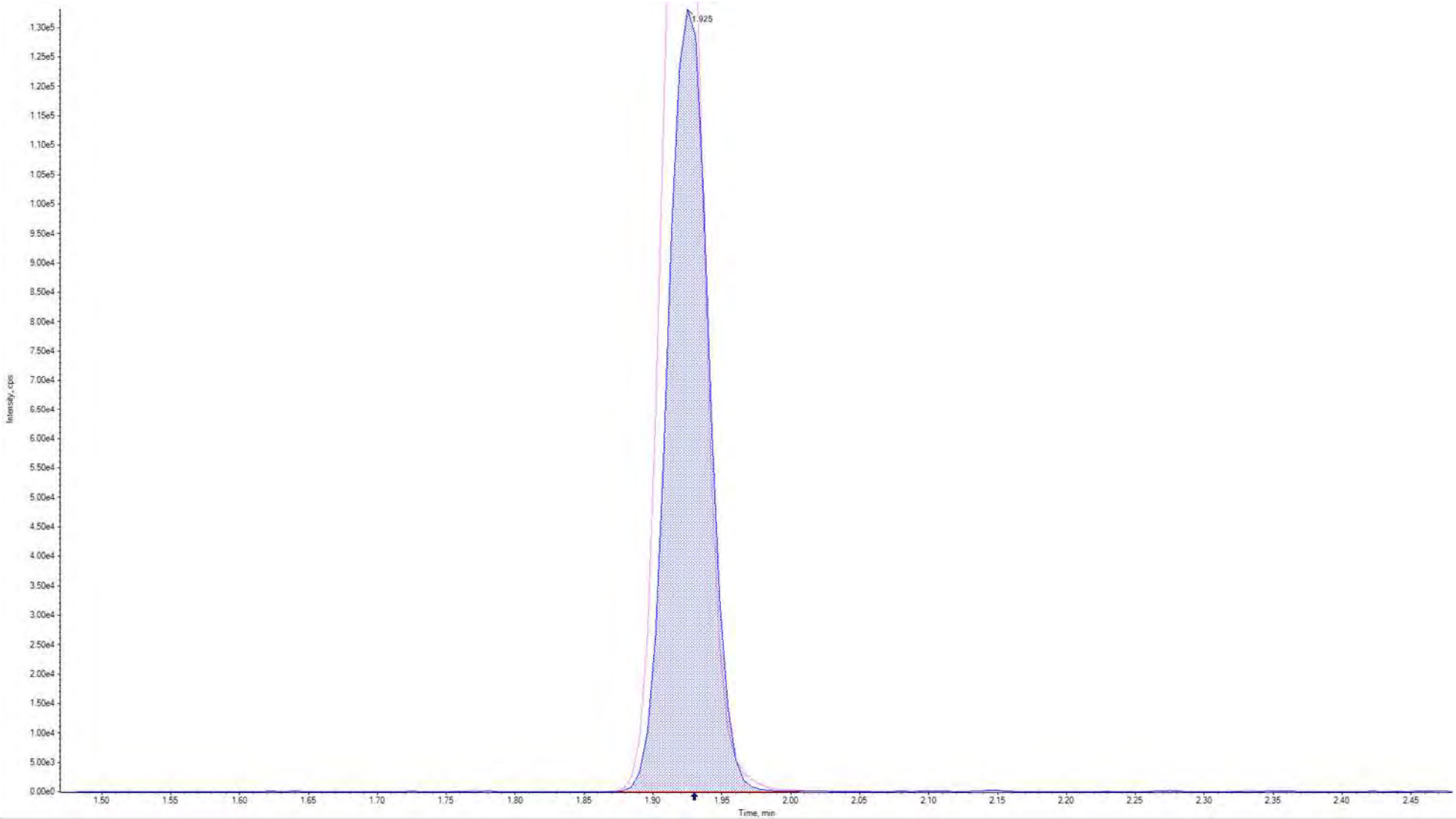
PFBS_2
Sample: IA1633STD-5 S/N:2620.1 Points Across peak:27



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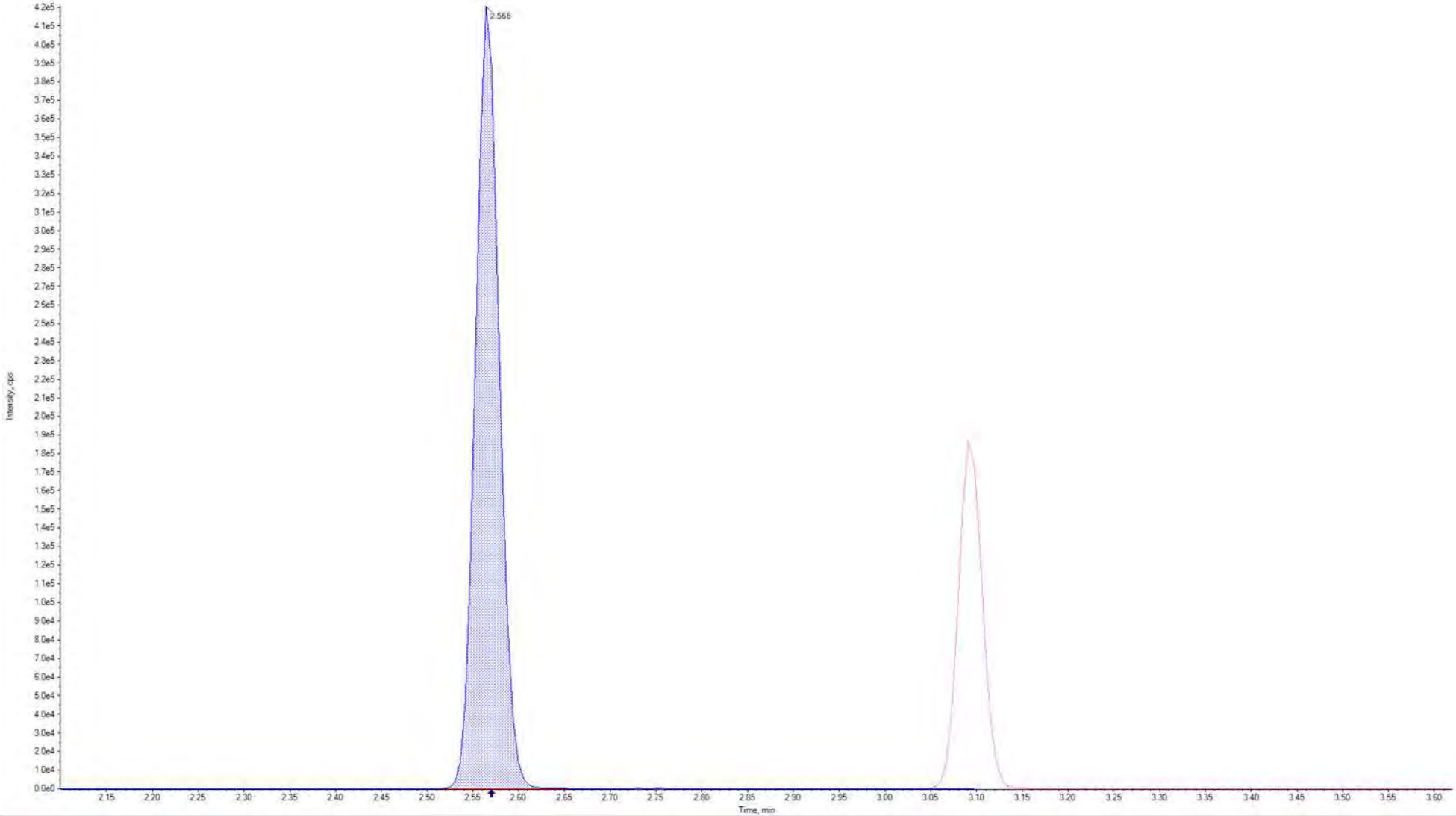
PFPeS
Sample: IA1633STD-5 S/N:4625.9 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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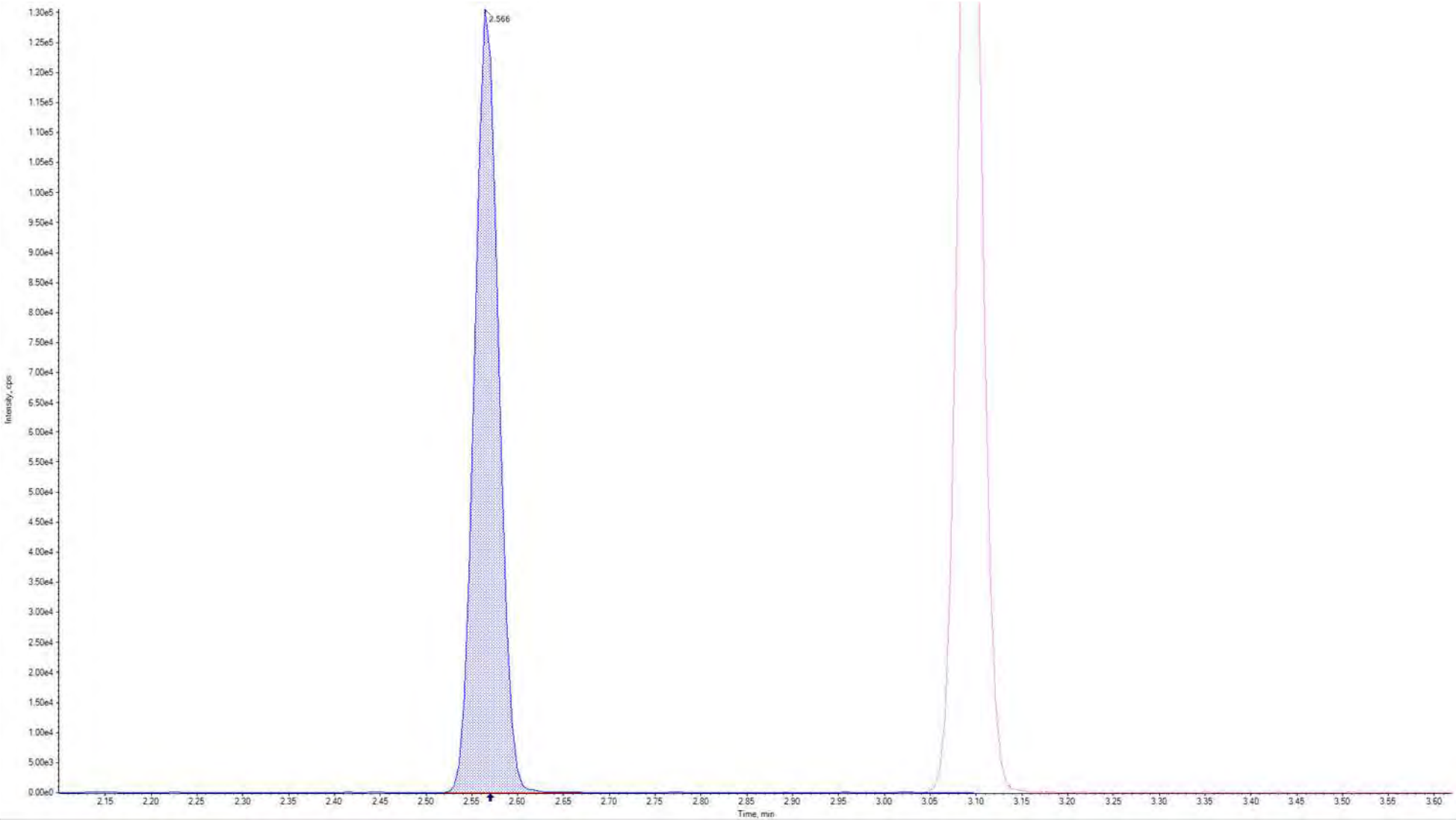
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFPeS_2
Sample: IA1633STD-5 S/N:2617.7 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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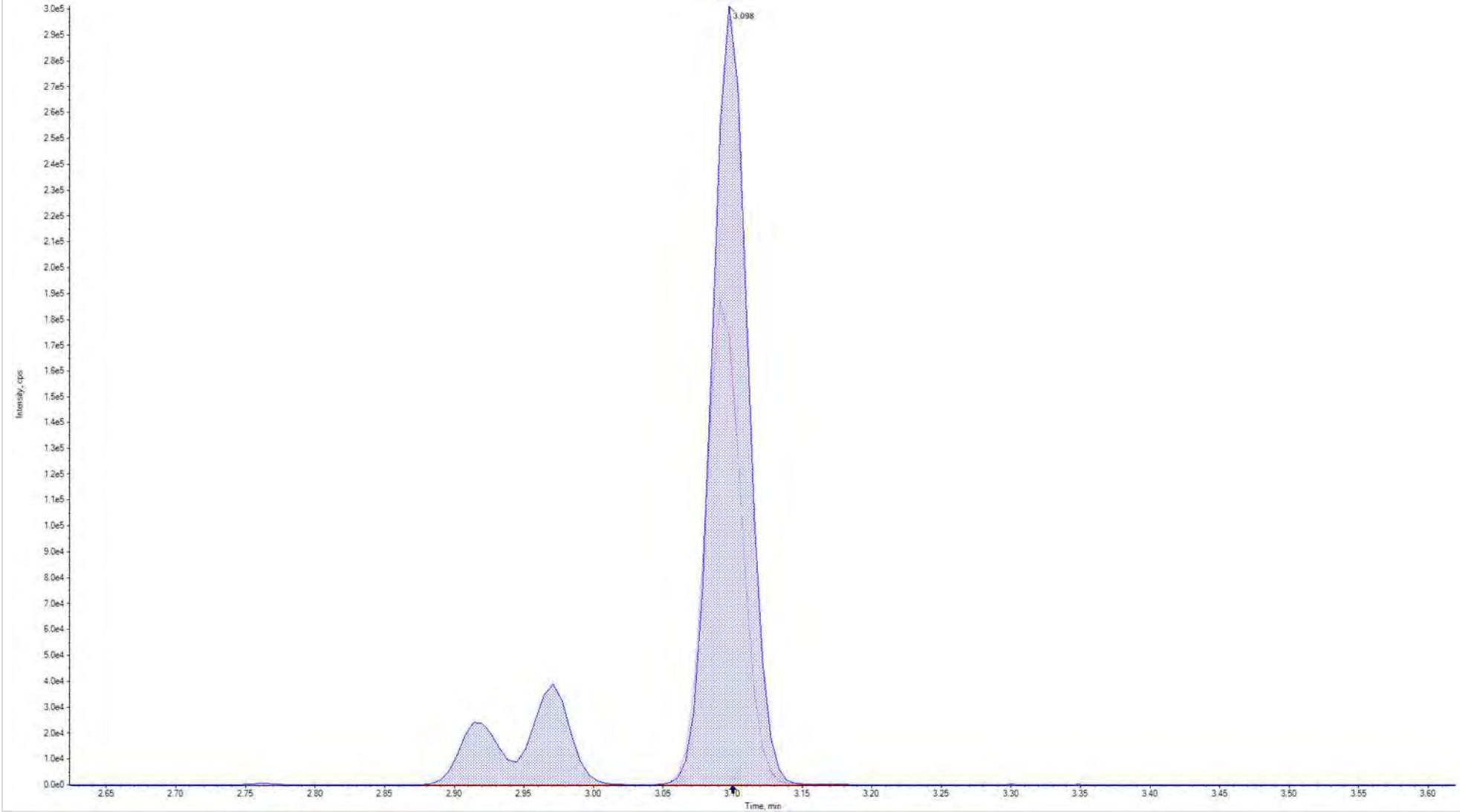
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHxS
Sample: IA1633STD-5 S/N:1292.4 Points Across peak:55



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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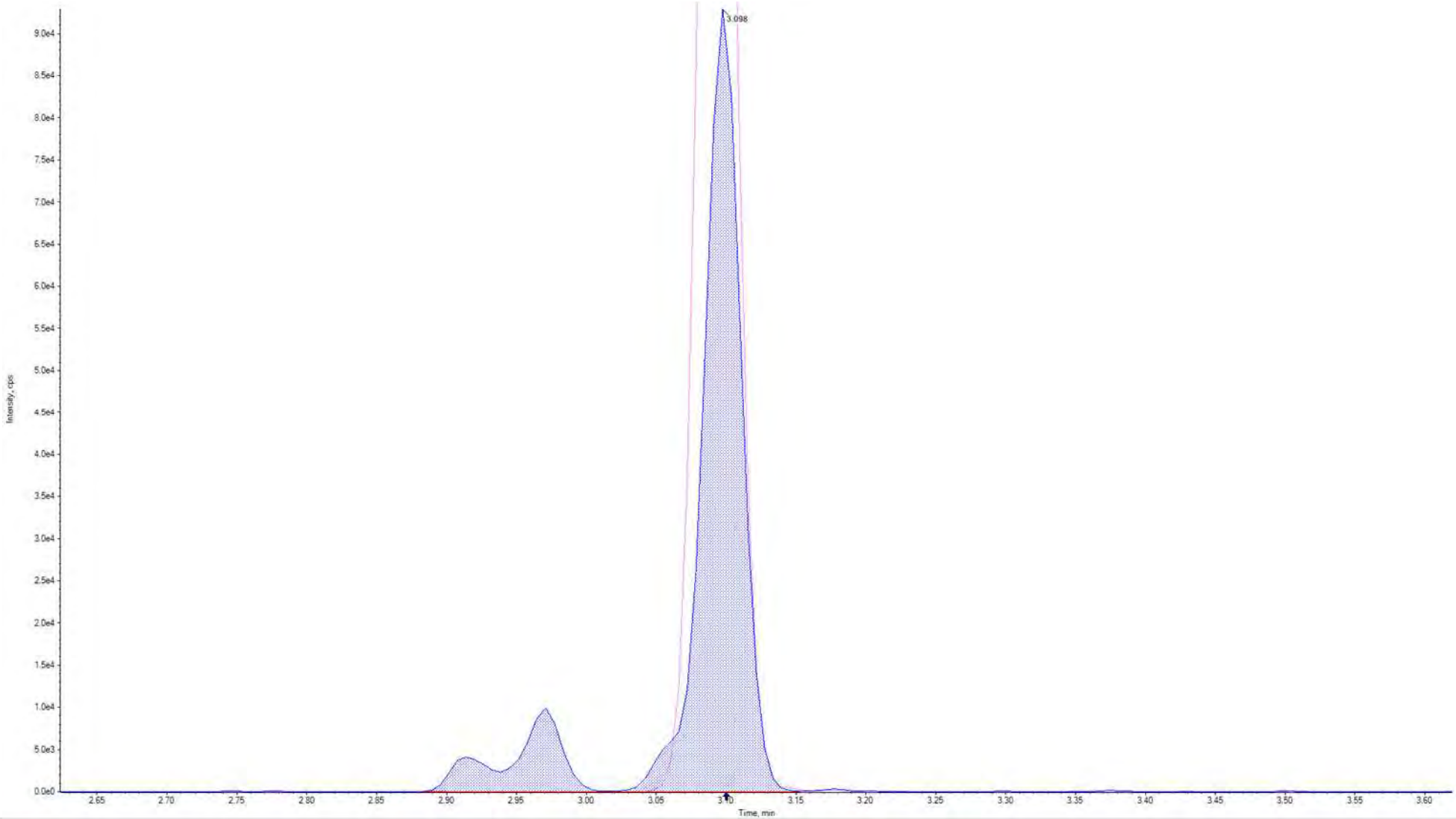
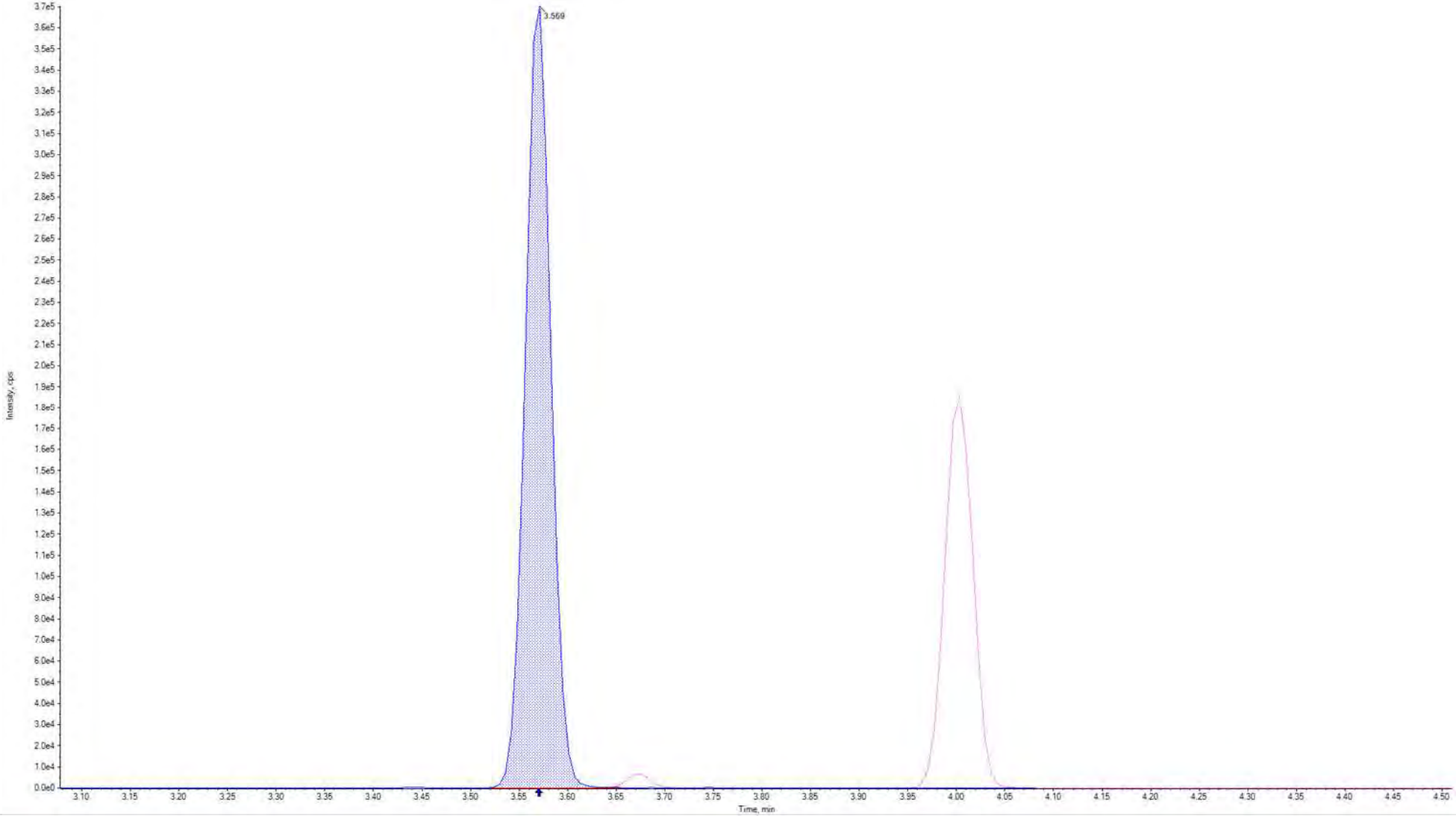
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHxS_2
Sample: IA1633STD-5 S/N:1061.8 Points Across peak:46



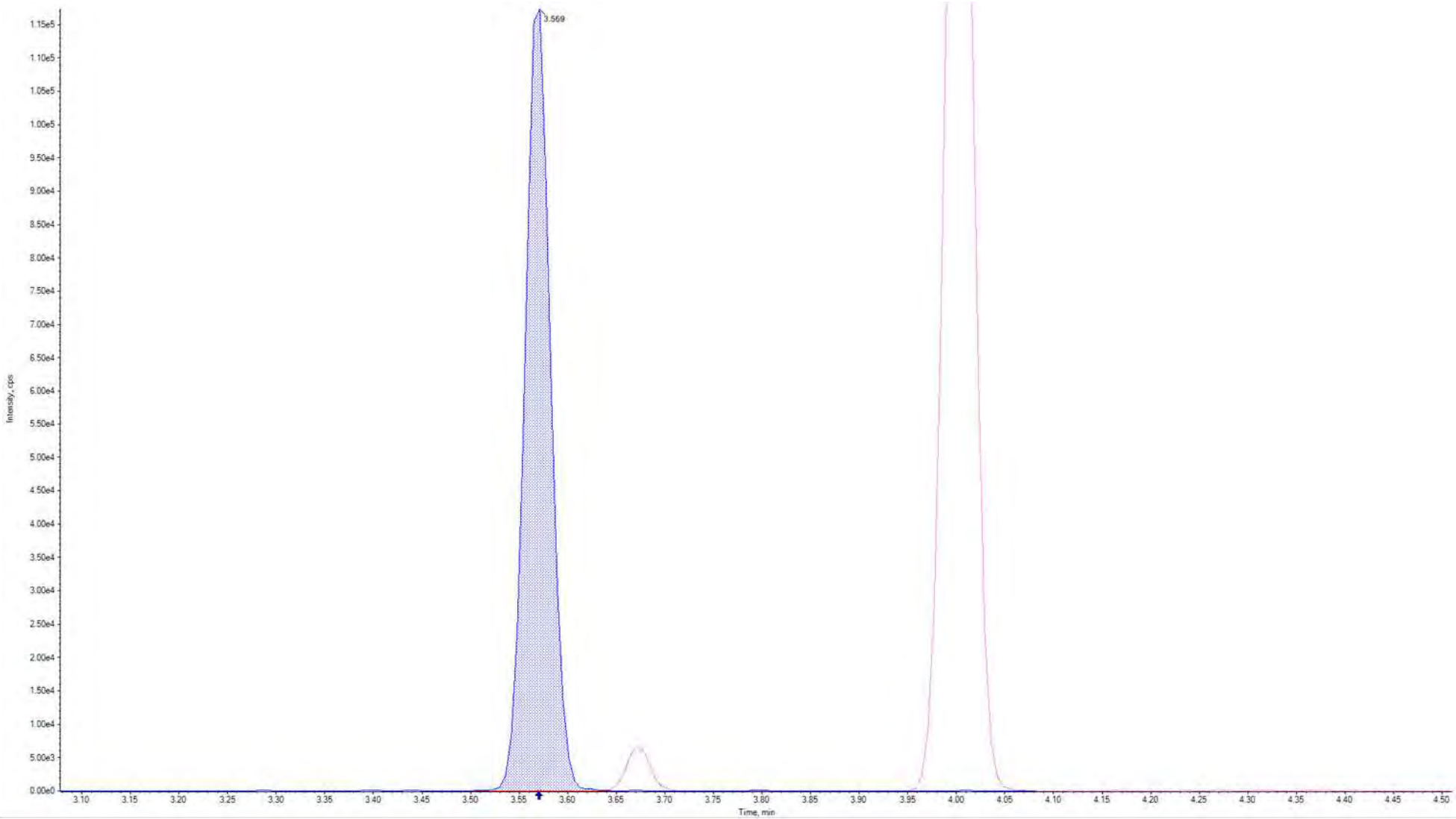
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHpS
Sample: IA1633STD-5 S/N:7425.2 Points Across peak:31



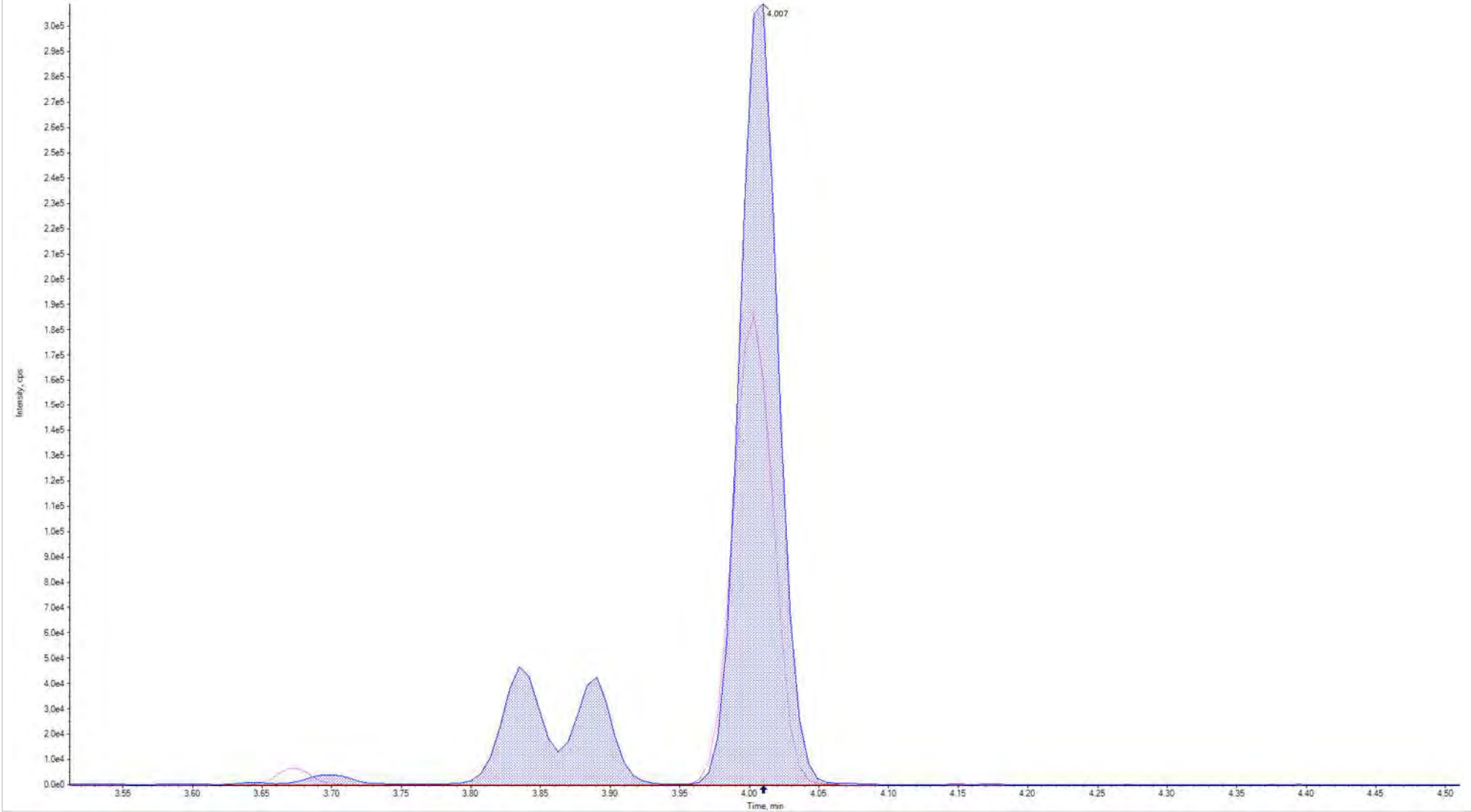
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHpS_2
Sample: IA1633STD-5 S/N:2352.8 Points Across peak:31



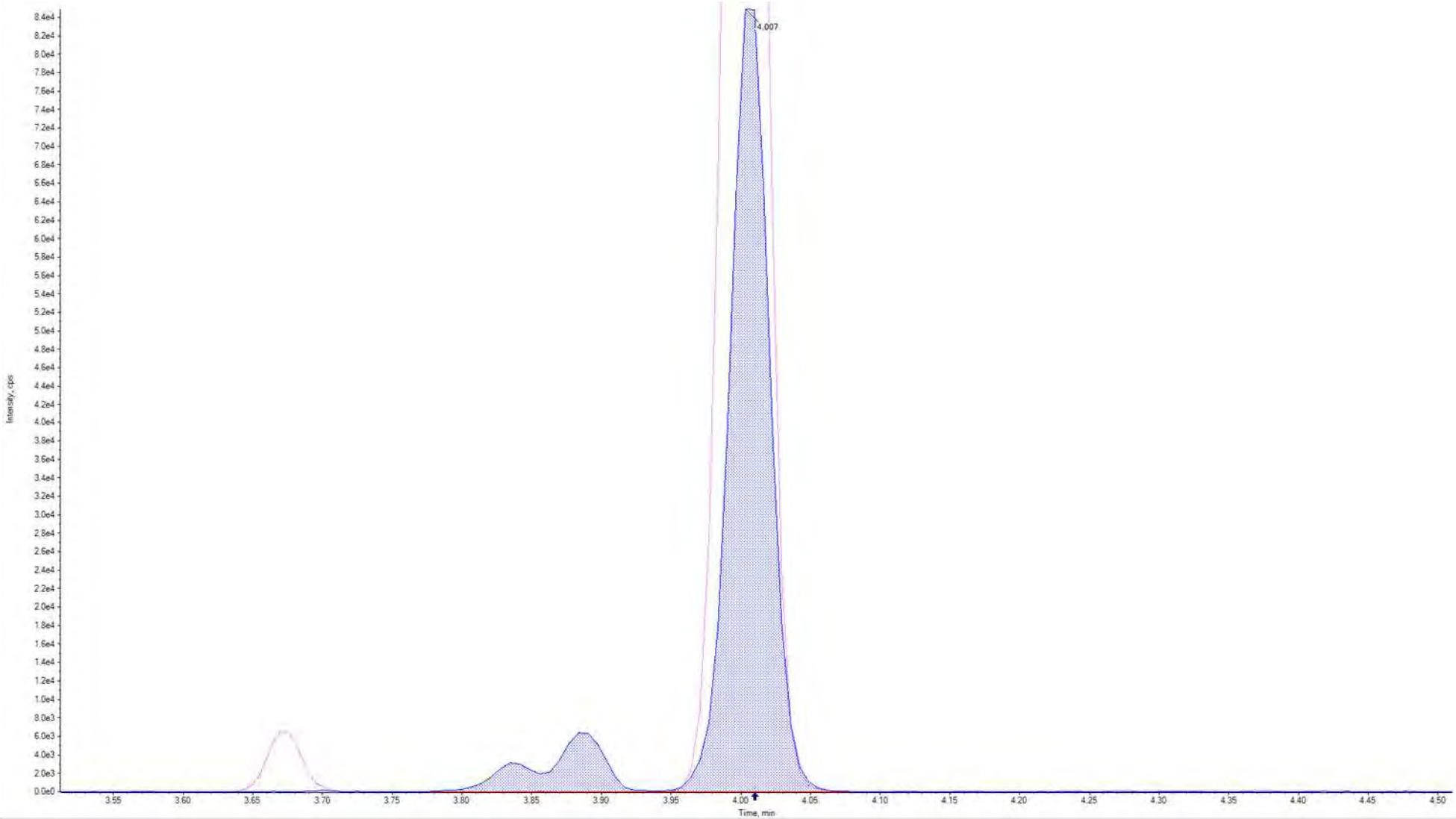
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOS
Sample: IA1633STD-5 S/N:524.9 Points Across peak:73



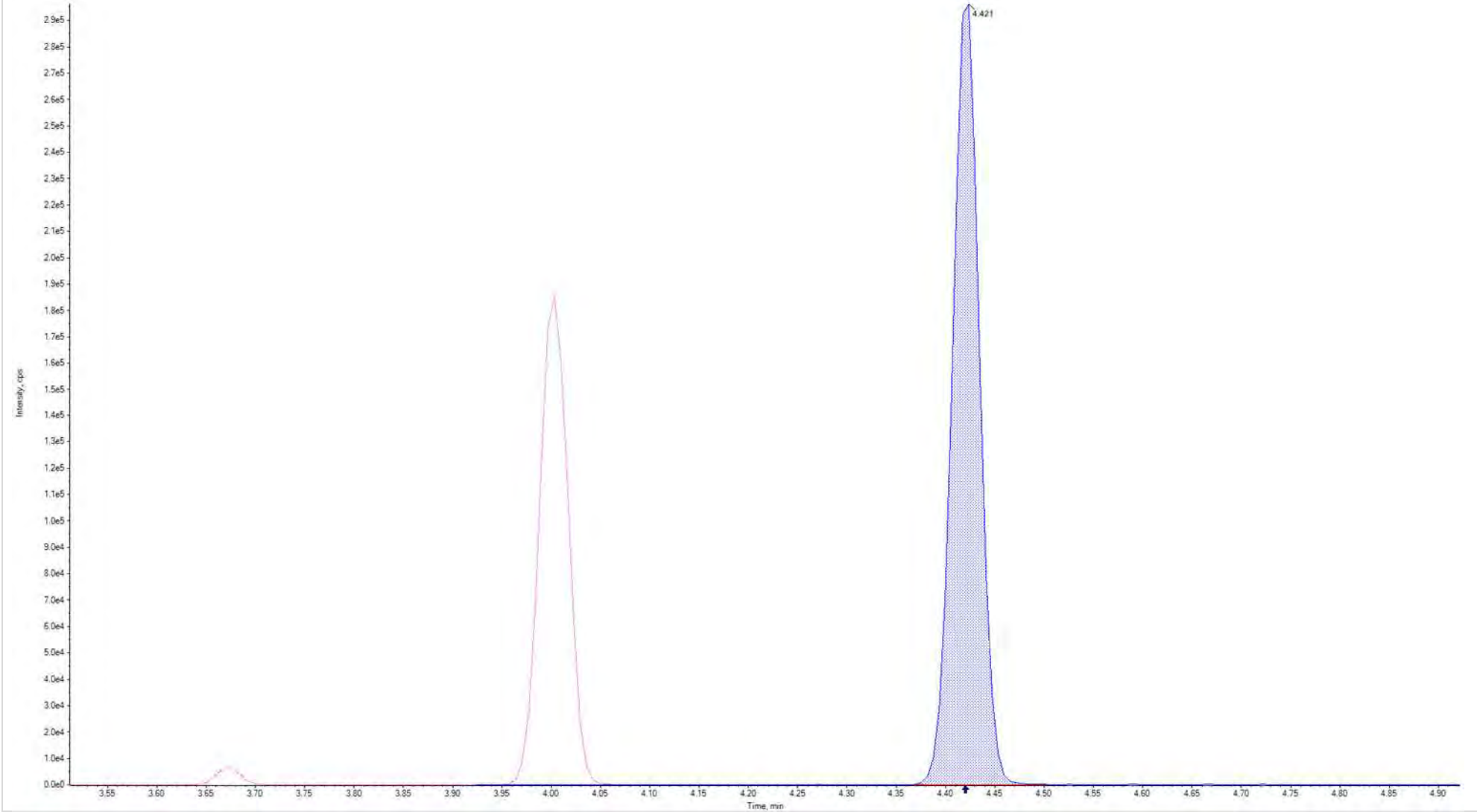
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOS_2
Sample: IA1633STD-5 S/N:1345.4 Points Across peak:55



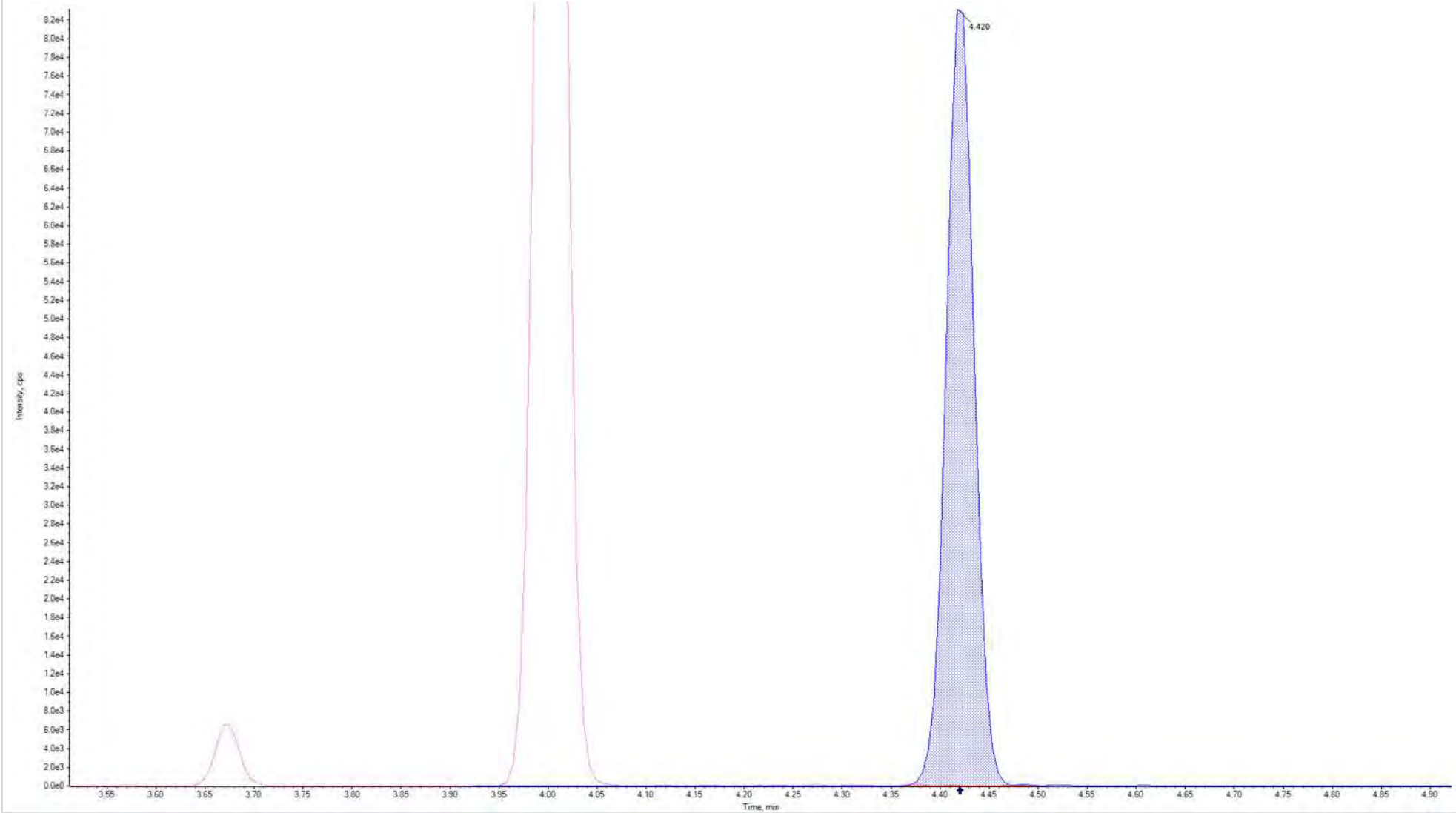
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFNS
Sample: IA1633STD-5 S/N:7426.4 Points Across peak:30



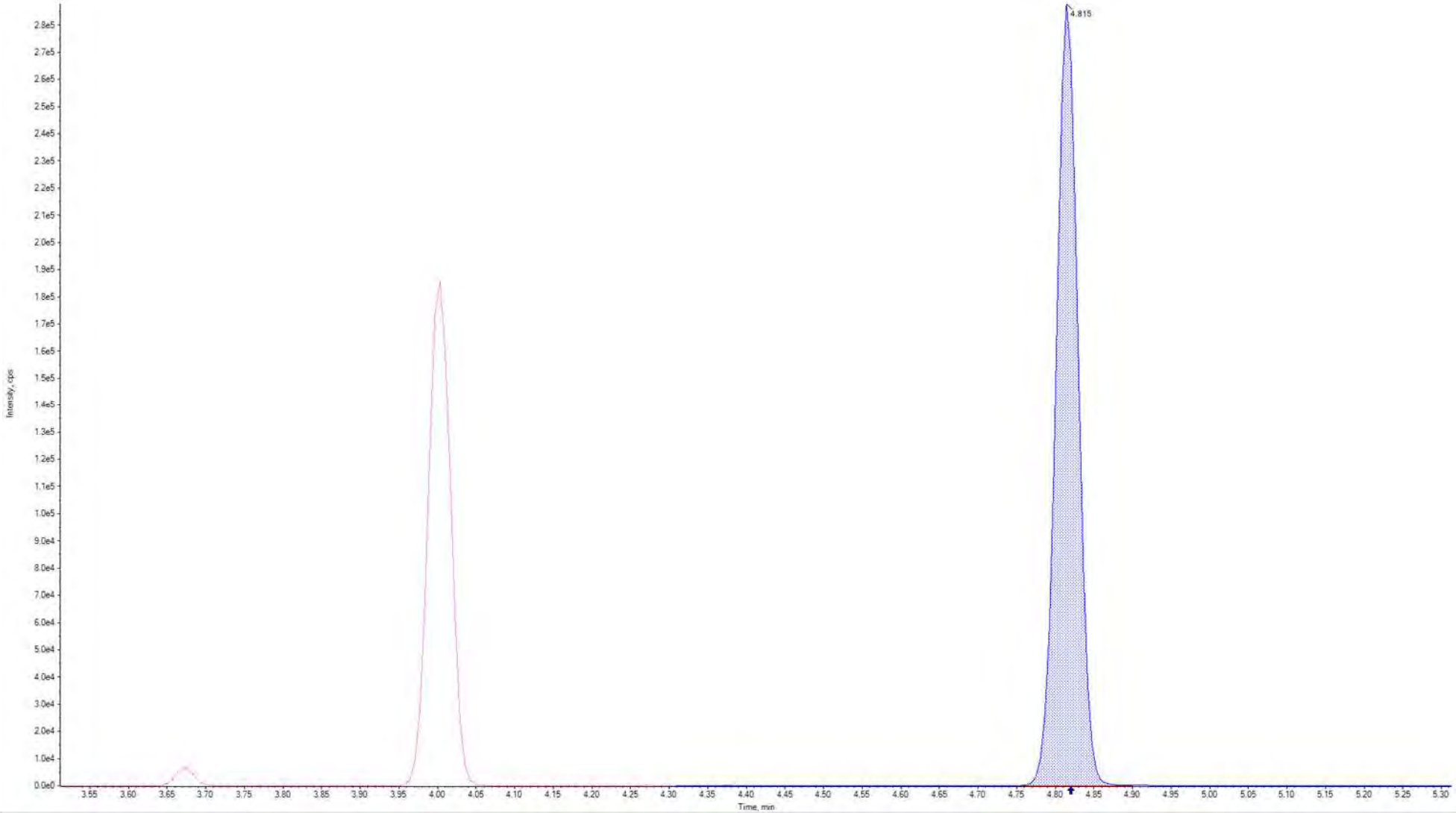
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFNS_2
Sample: IA1633STD-5 S/N:1915.3 Points Across peak:28



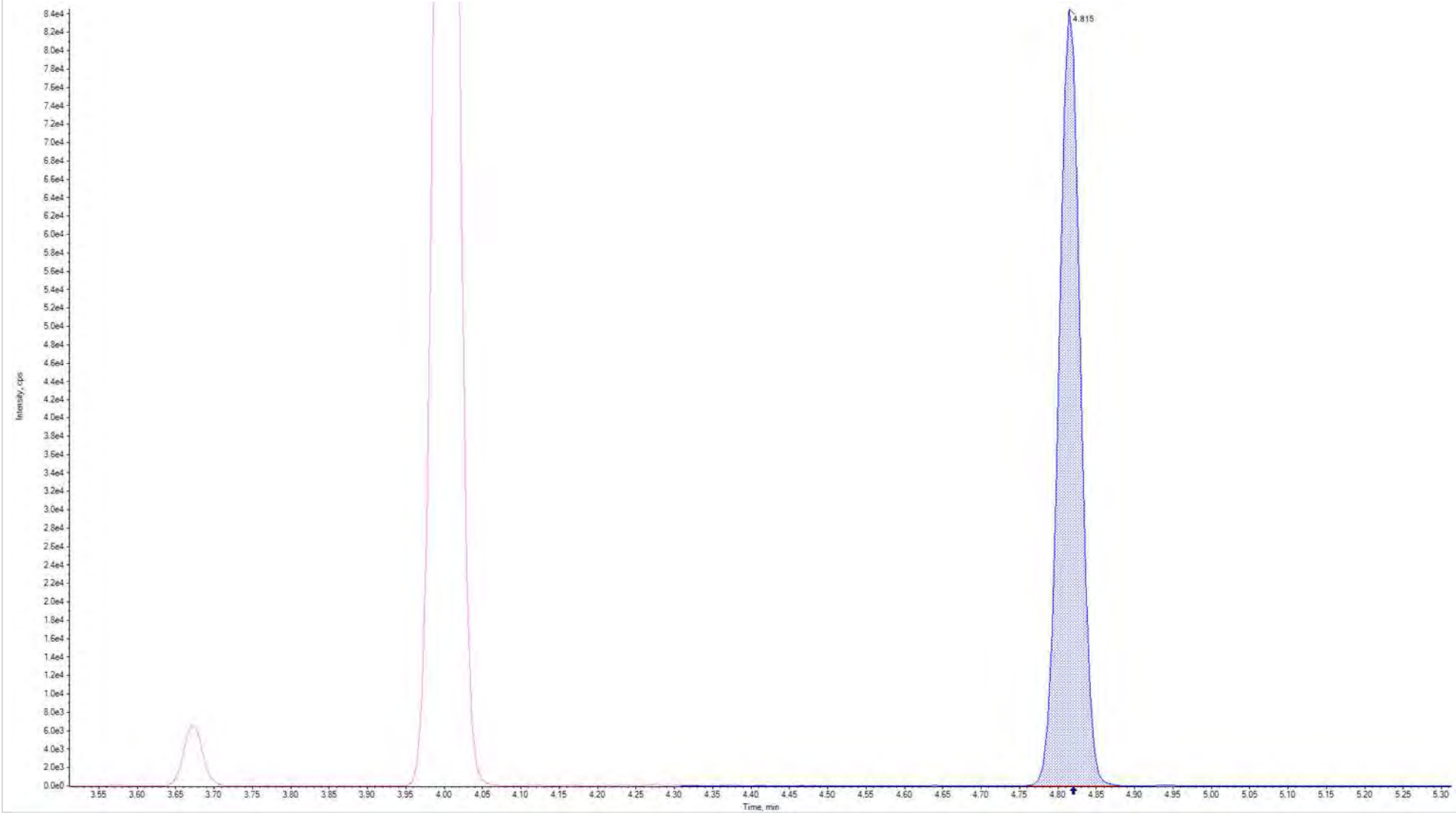
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDS
Sample: IA1633STD-5 S/N:5533.7 Points Across peak:30



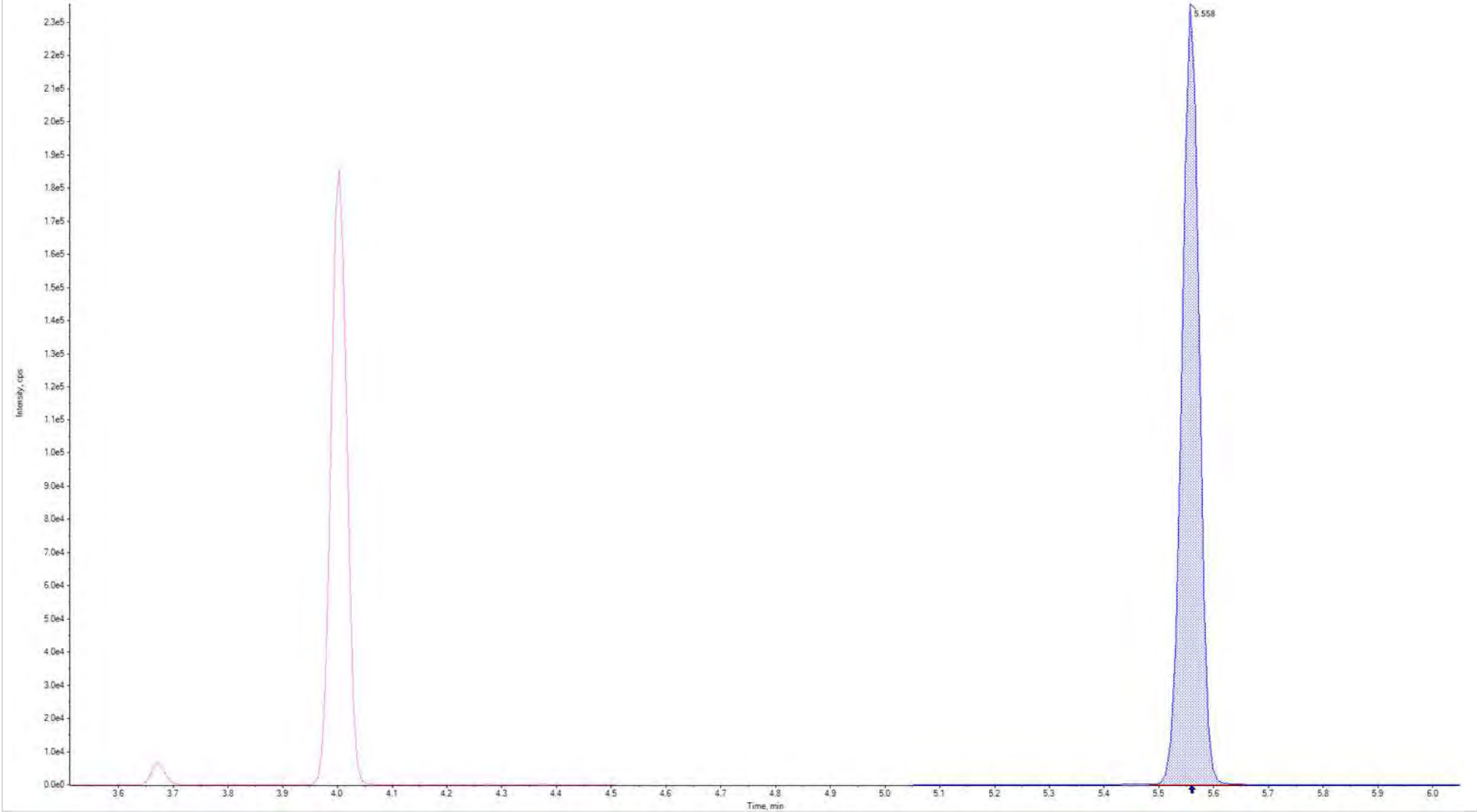
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDS_2
Sample: IA1633STD-5 S/N:2965.8 Points Across peak:29



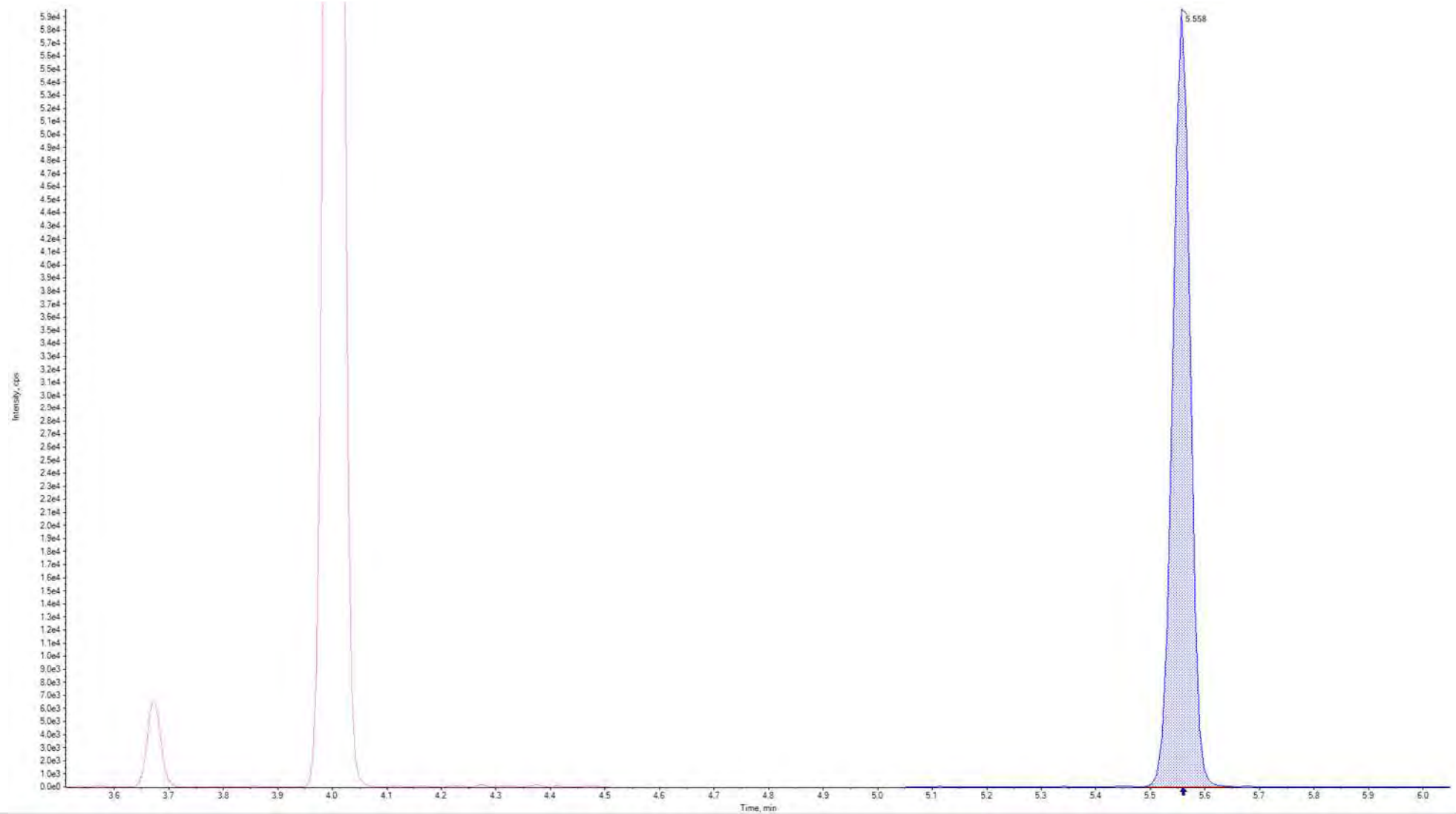
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoS
Sample: IA1633STD-5 S/N:7819.0 Points Across peak:23



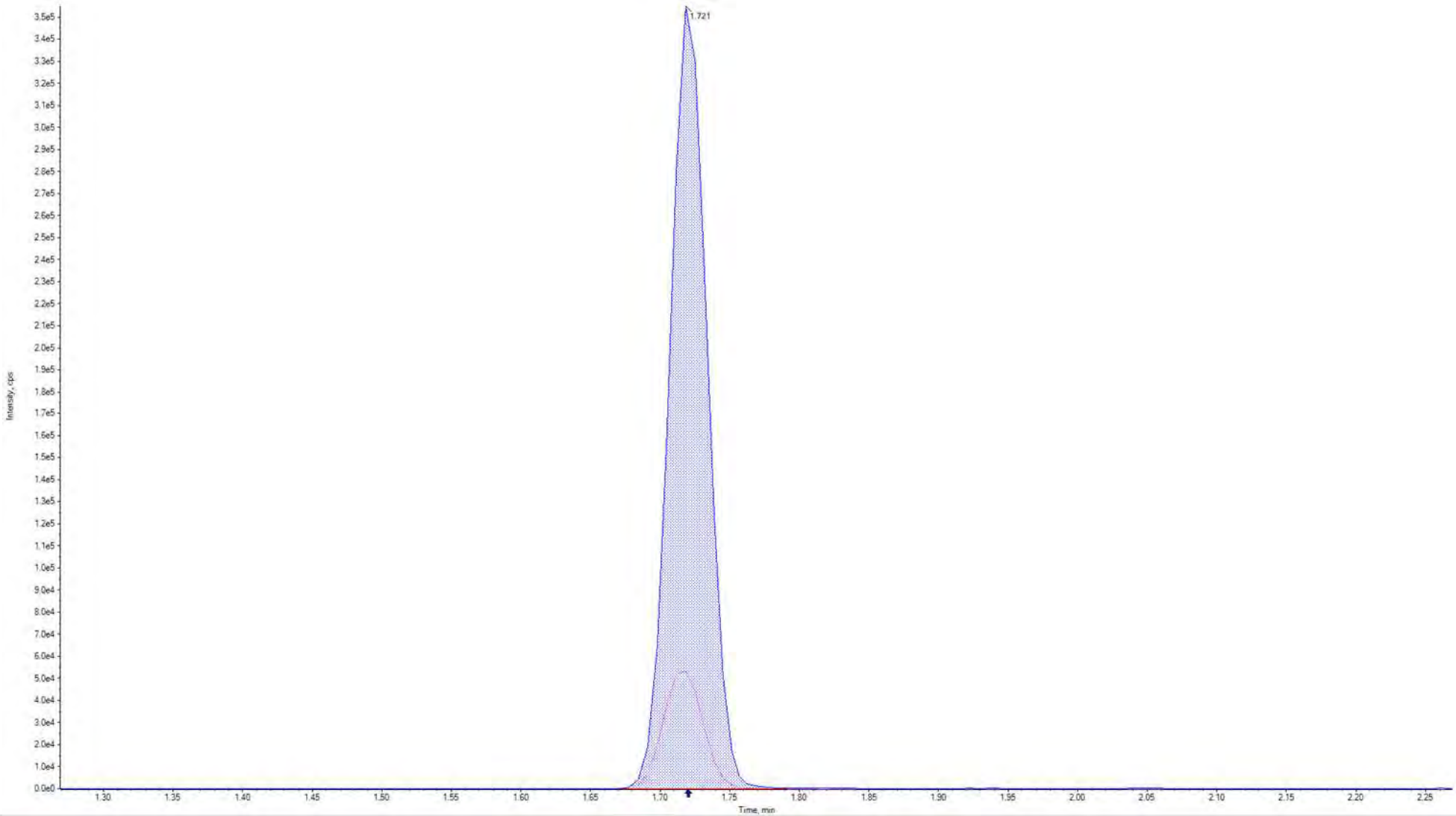
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoS_2
Sample: IA1633STD-5 S/N:3538.3 Points Across peak:21



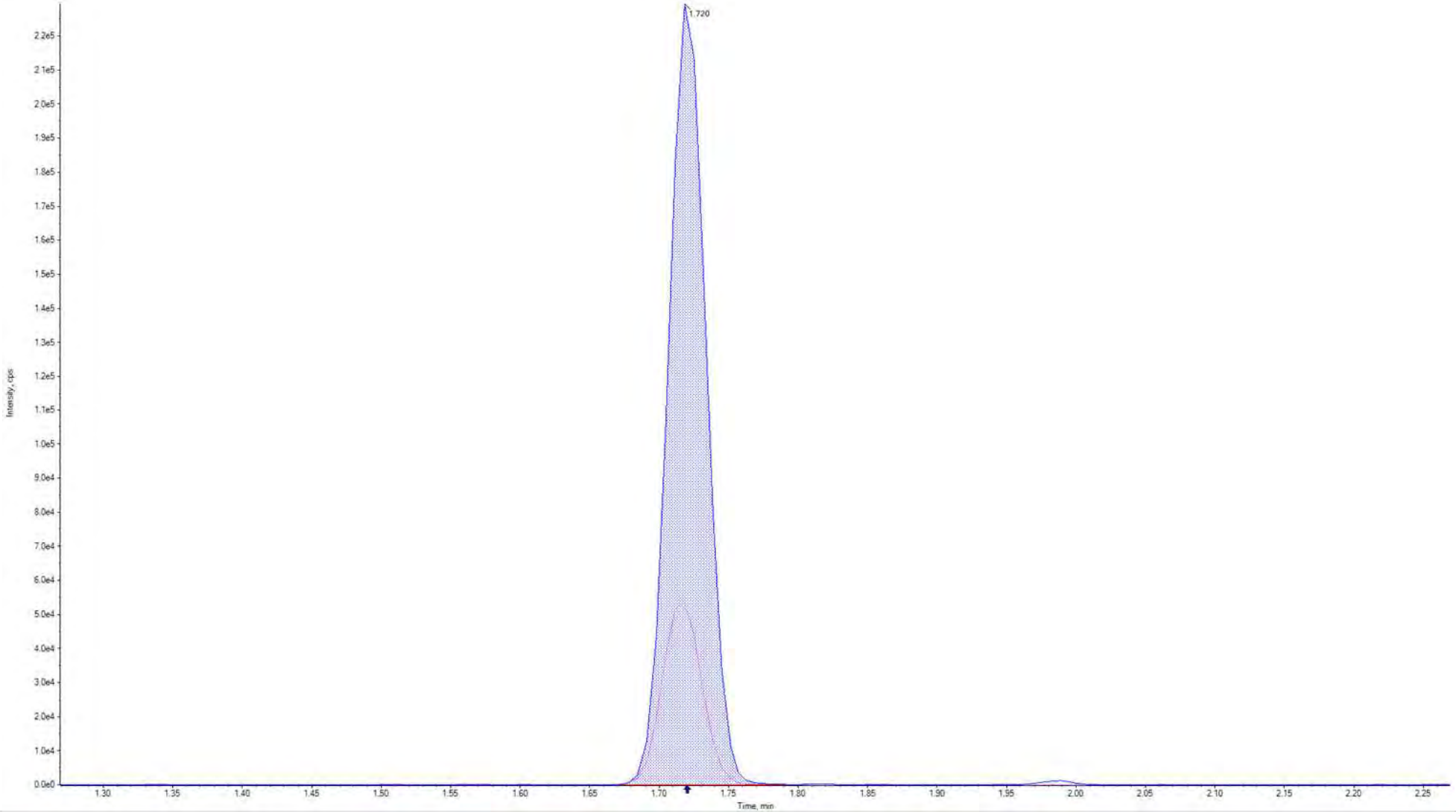
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

4:2FTS
Sample: IA1633STD-5 S/N:13345.6 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\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

4:2FTS_2
Sample: IA1633STD-5 S/N:6618.9 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\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
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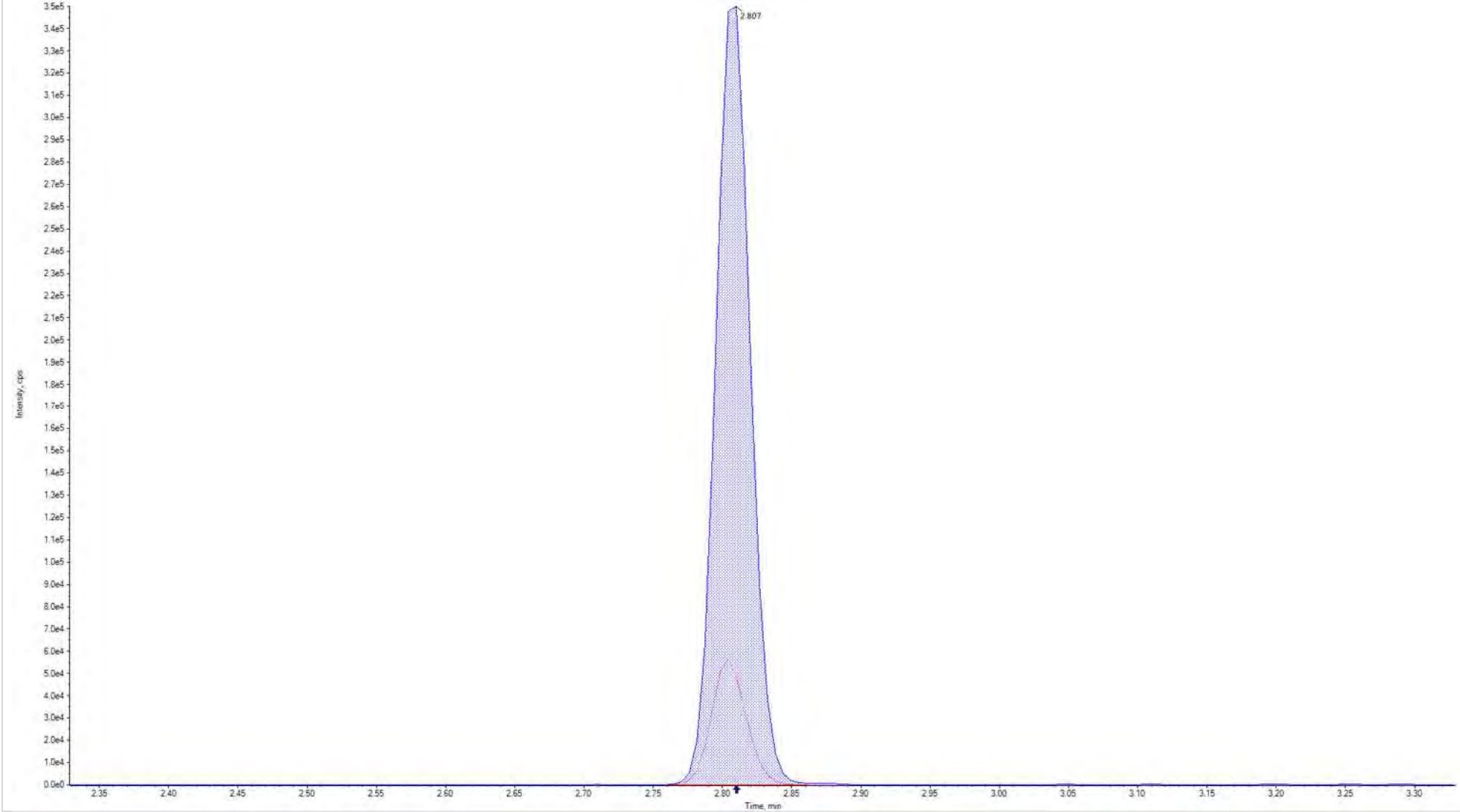
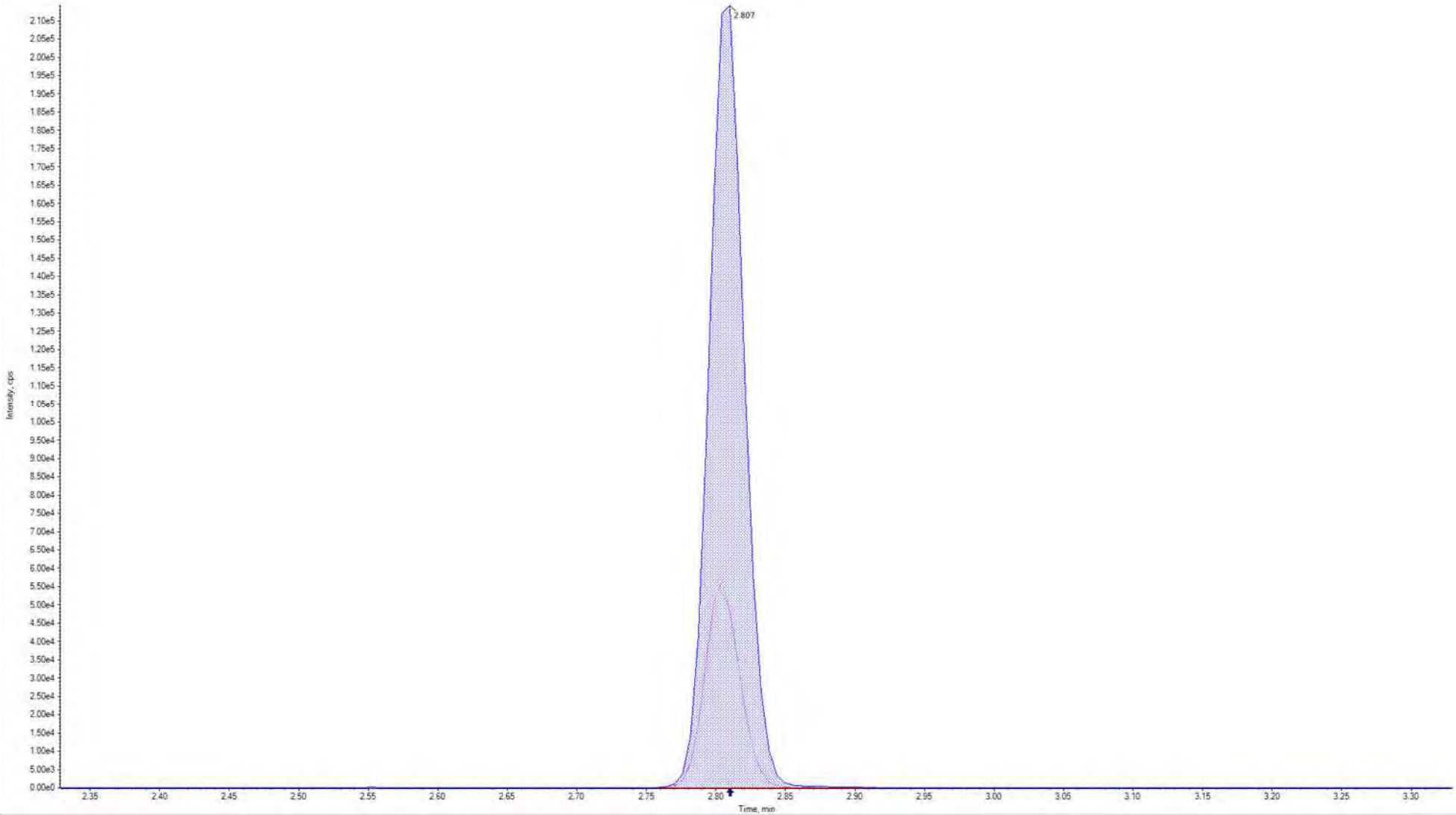
6:2FTS
Sample: IA1633STD-5 S/N:7019.5 Points Across peak:20



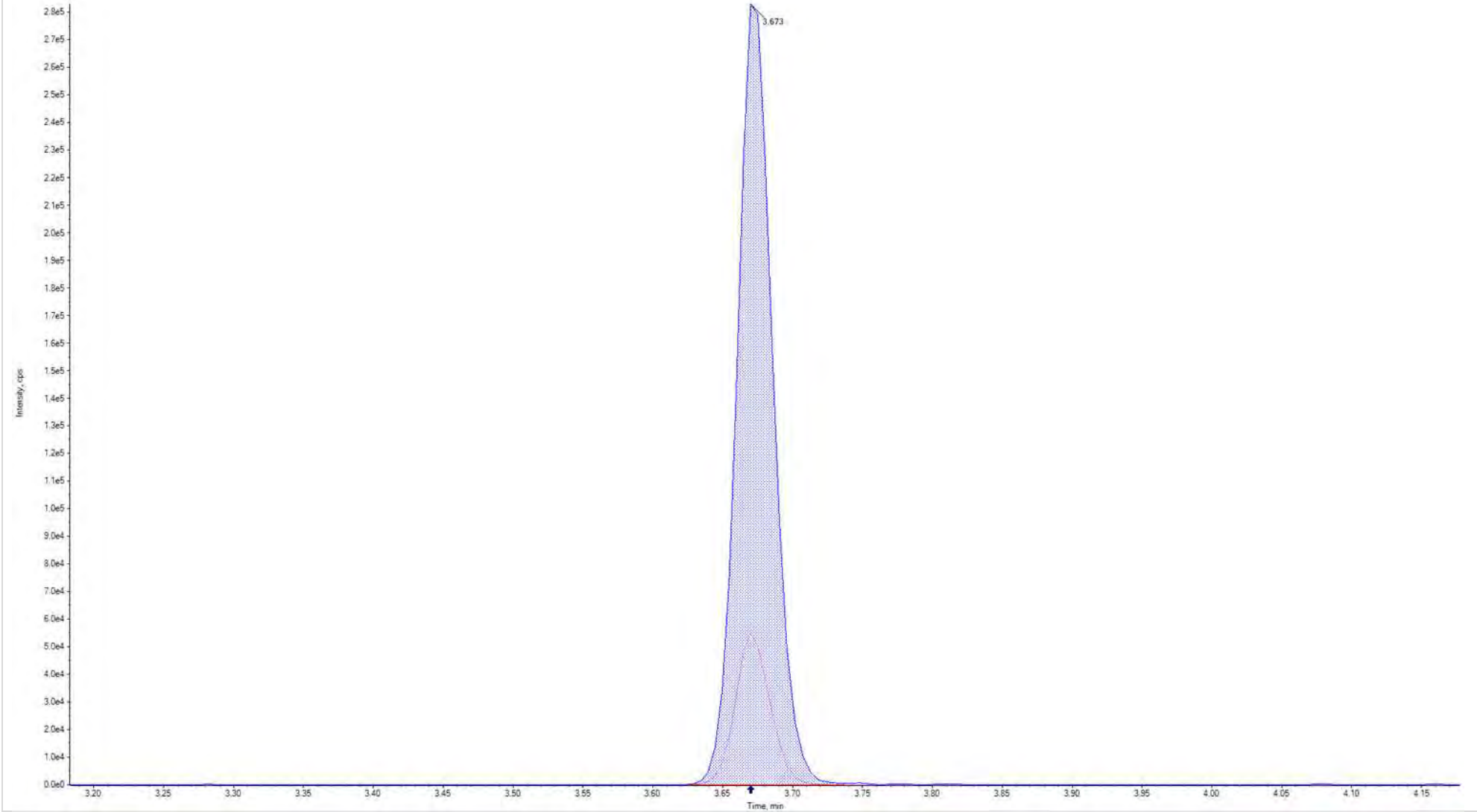
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

6:2FTS_2
Sample: IA1633STD-5 S/N:4295.5 Points Across peak:35



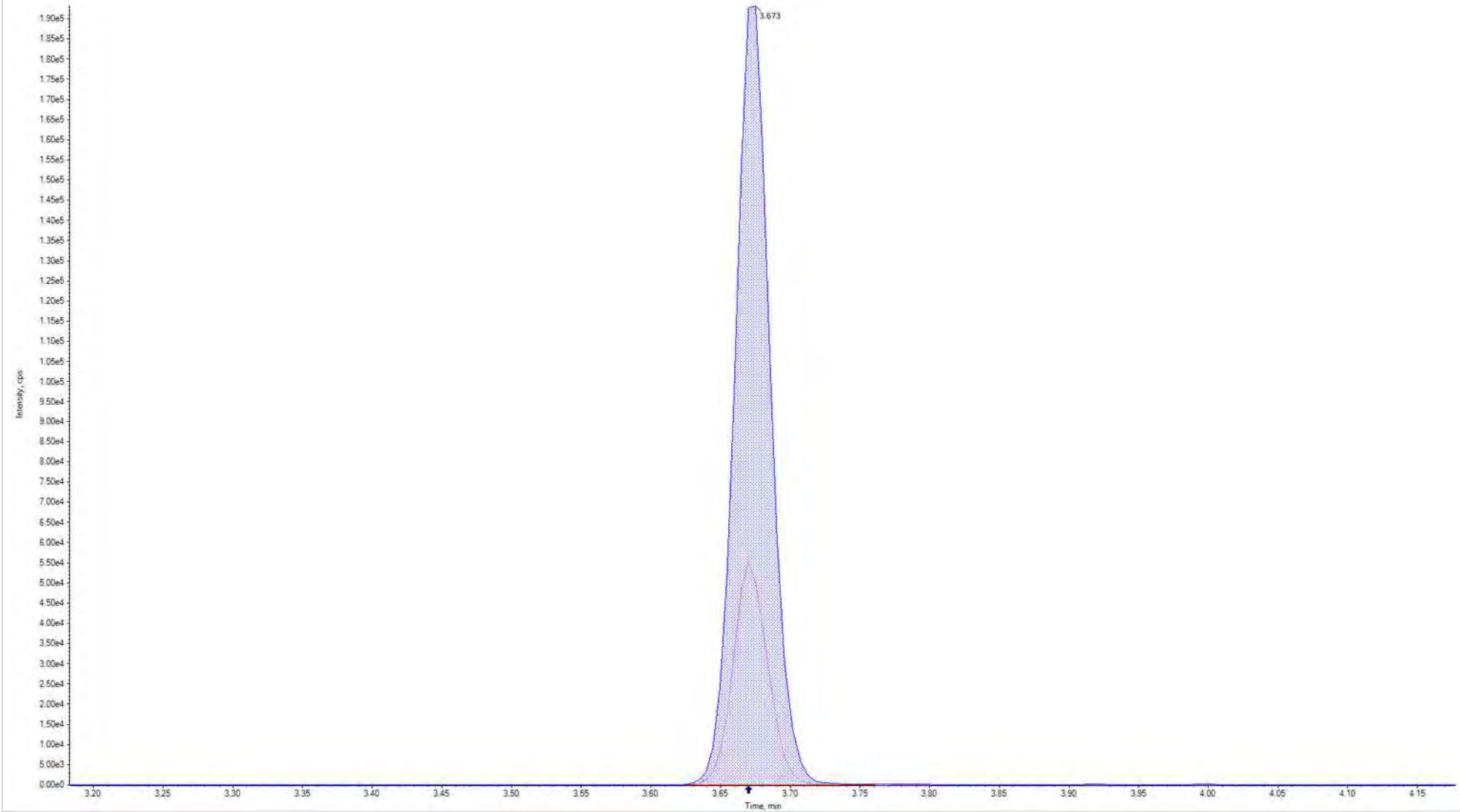
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

8:2FTS
Sample: IA1633STD-5 S/N:5674.4 Points Across peak:26



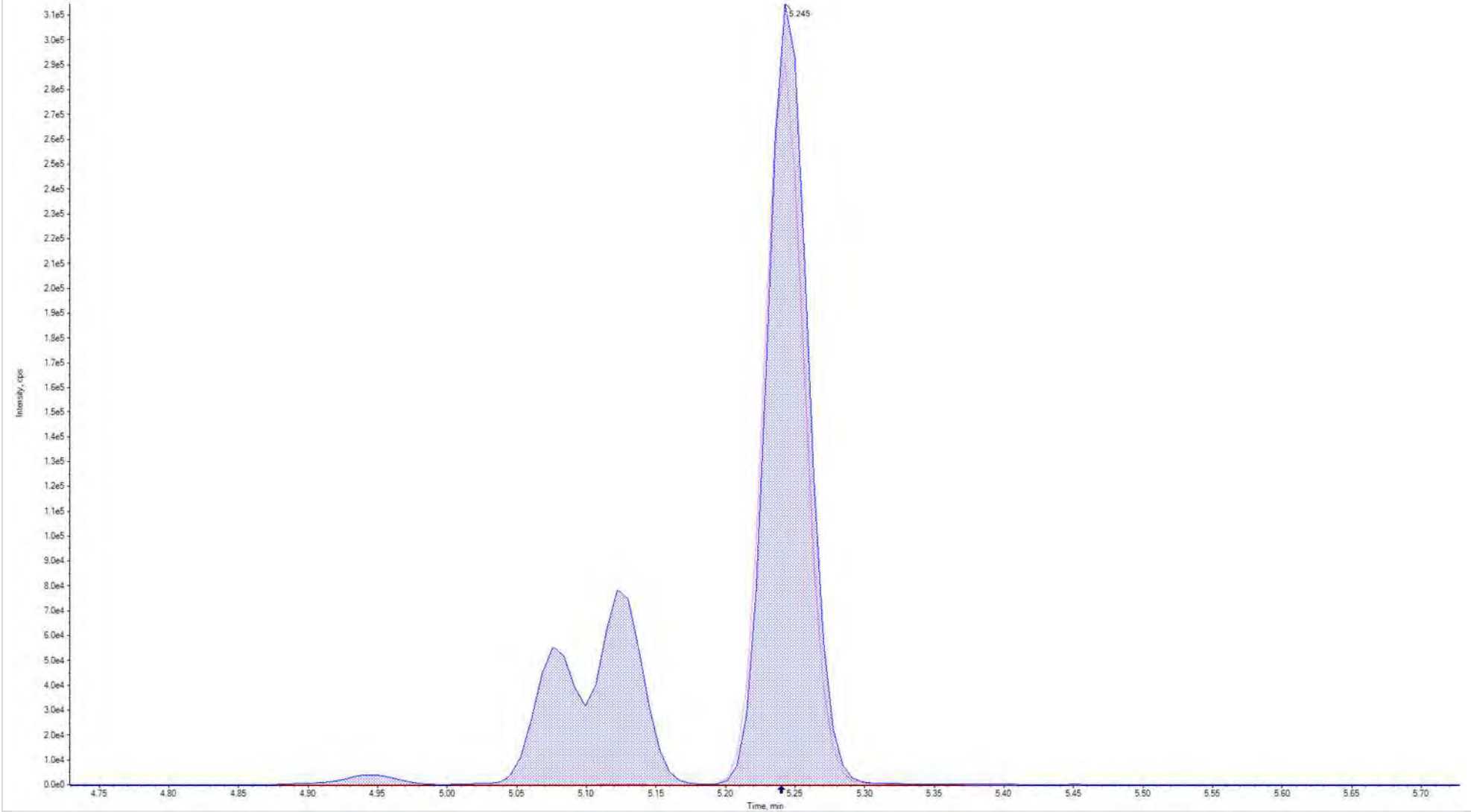
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

8:2FTS_2
Sample: IA1633STD-5 S/N:3872.9 Points Across peak:29



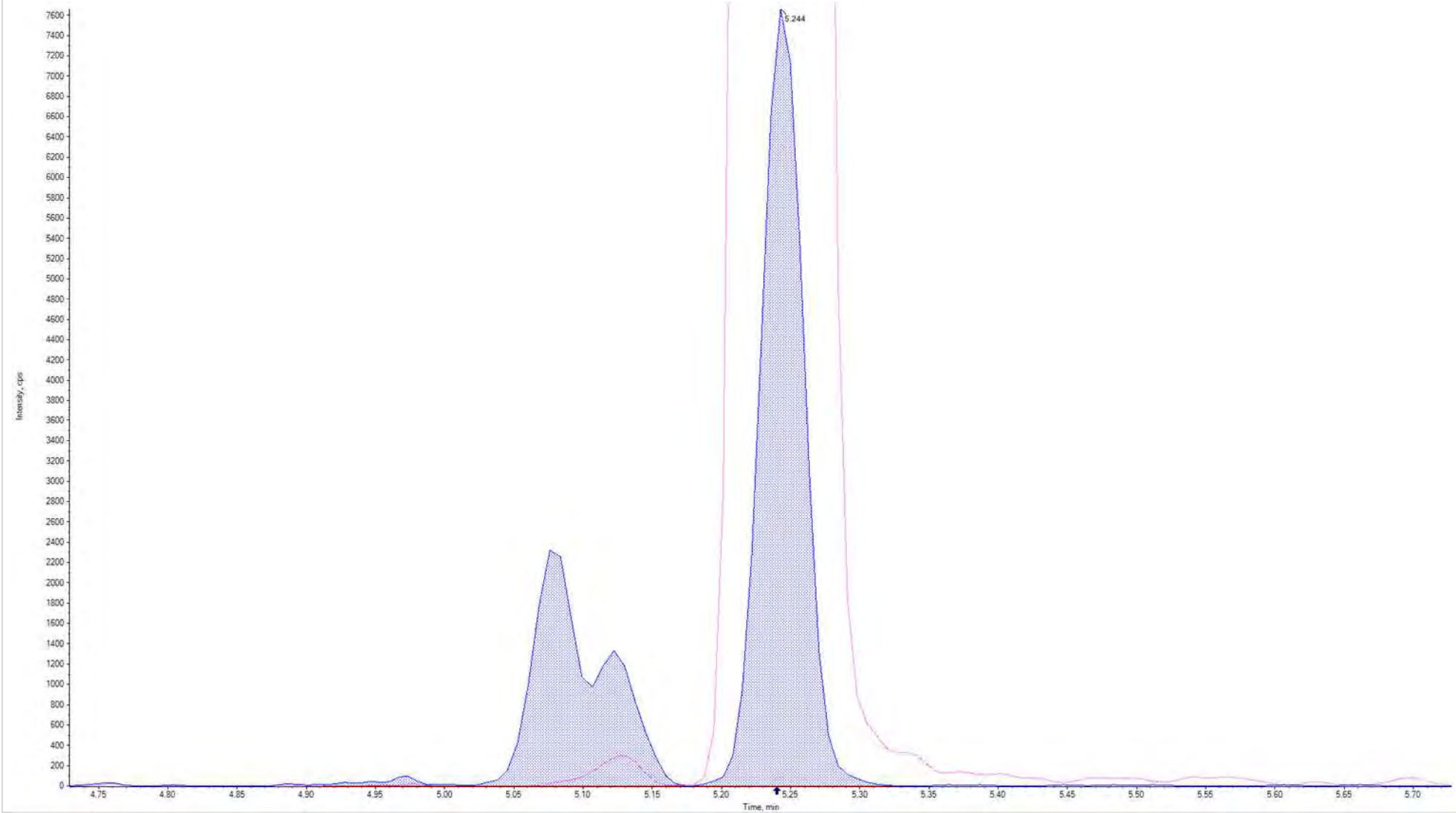
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOSA
Sample: IA1633STD-5 S/N:352.1 Points Across peak:74



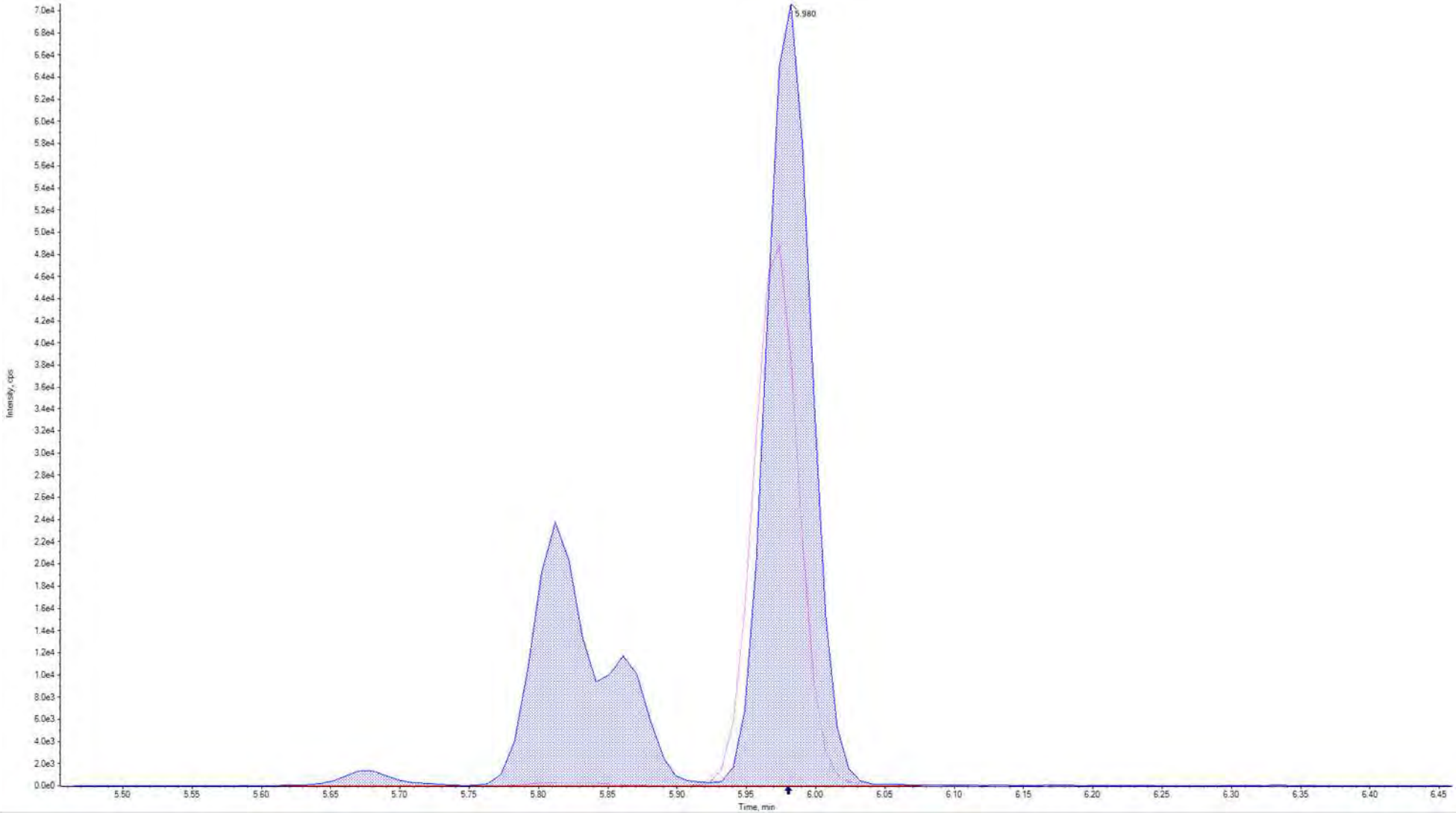
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOSA_2
Sample: IA1633STD-5 S/N:313.9 Points Across peak:62



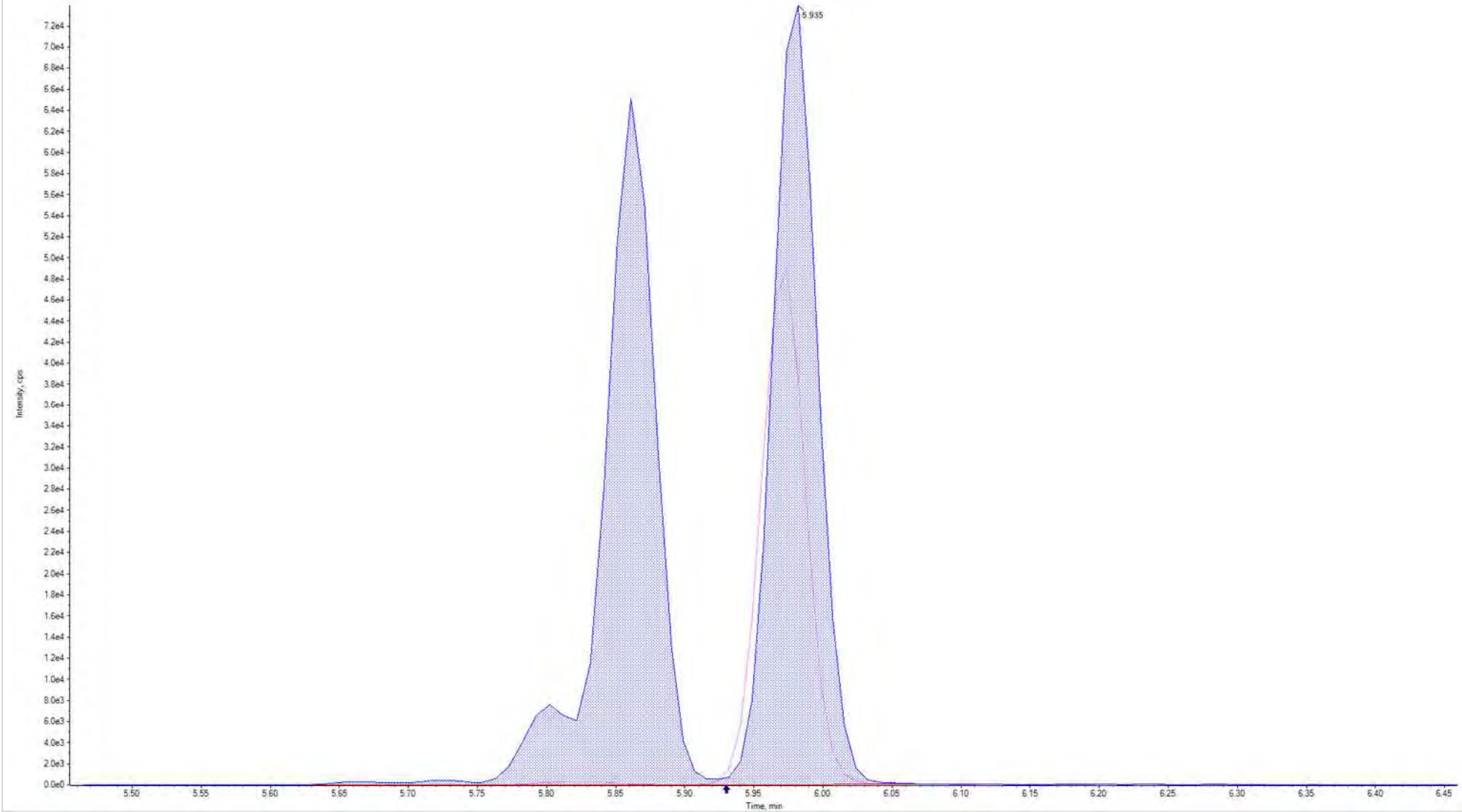
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSA
Sample: IA1633STD-5 S/N:336.3 Points Across peak:55



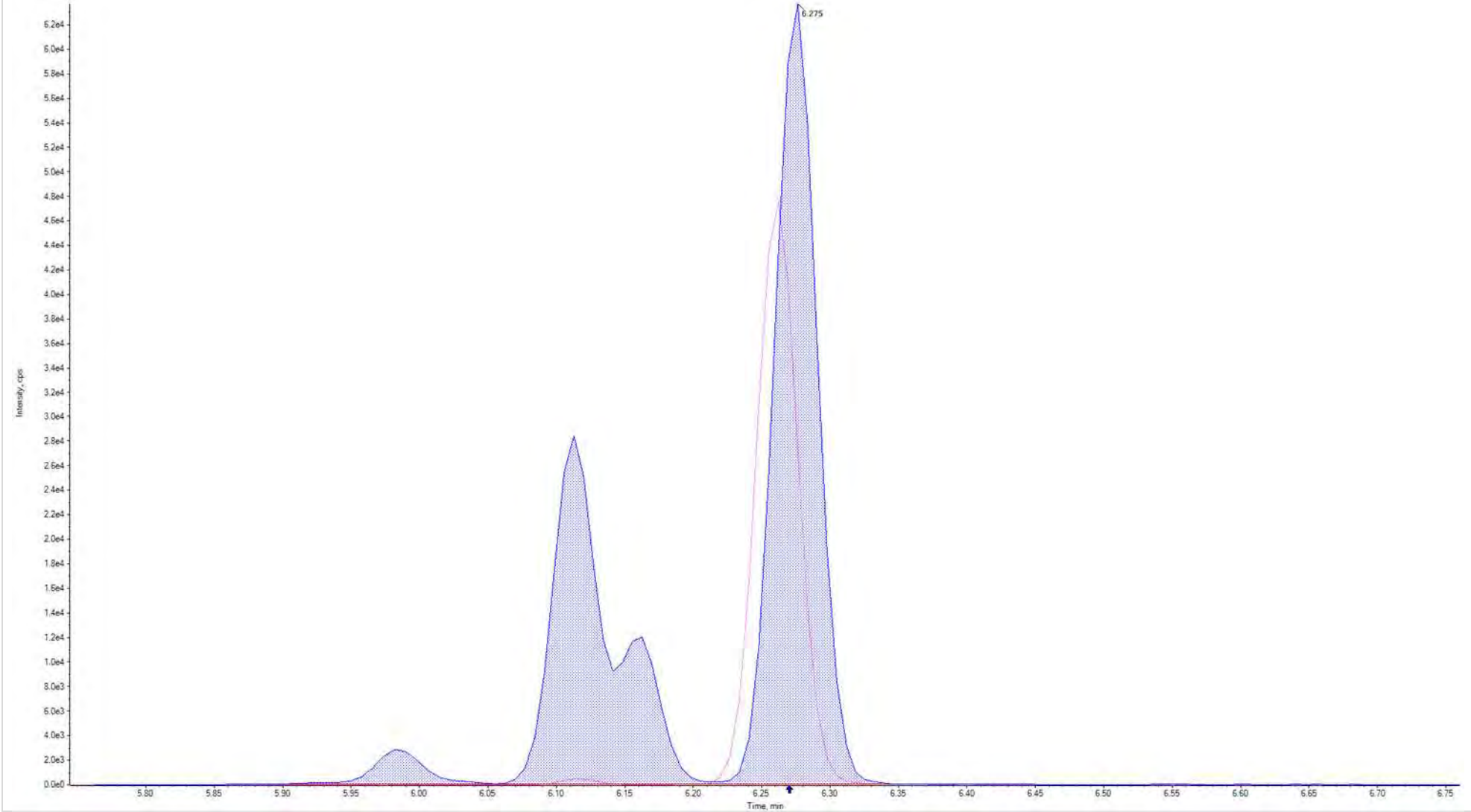
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSA_2
Sample: IA1633STD-5 S/N:310.7 Points Across peak:54



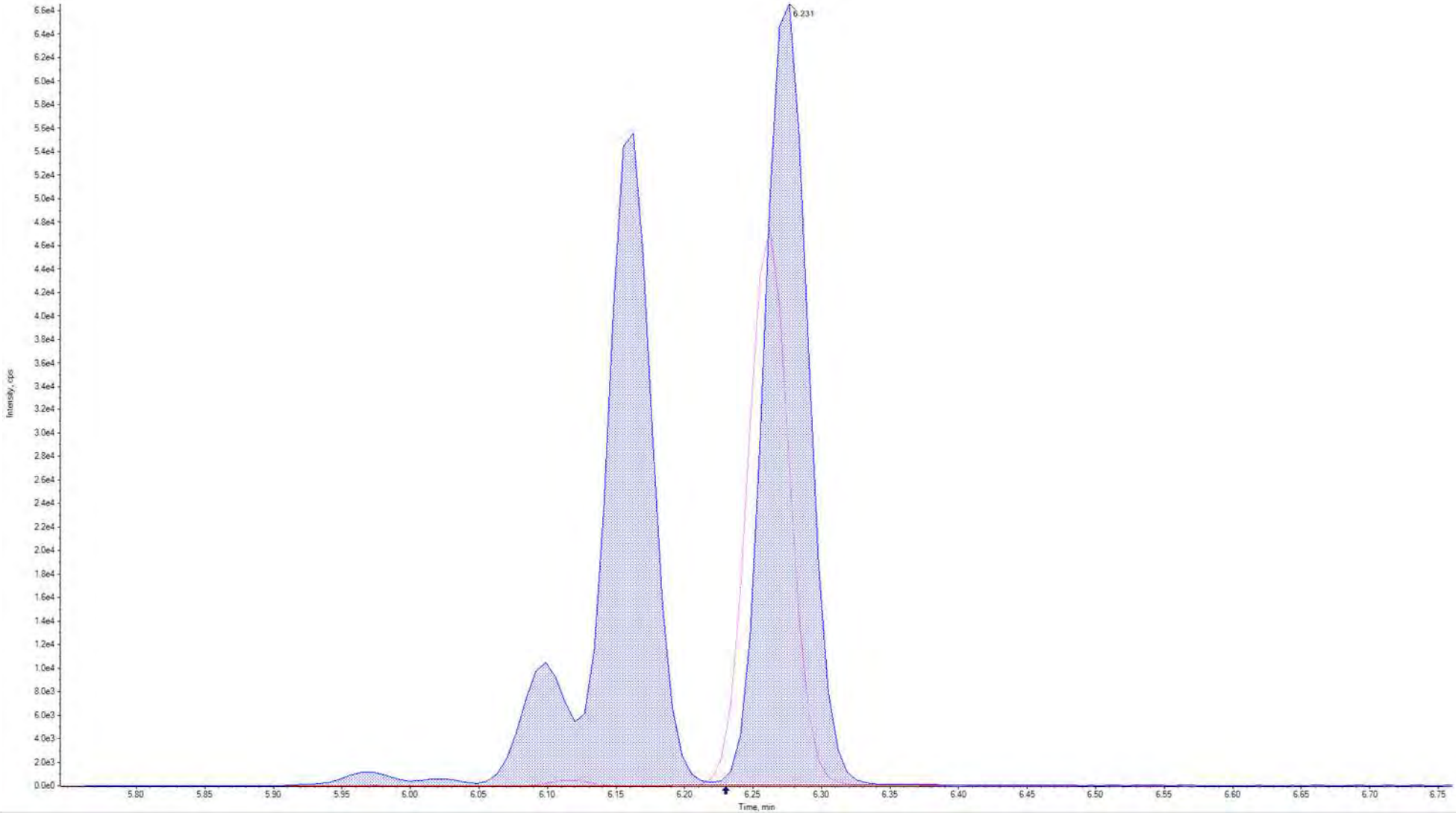
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSA
Sample: IA1633STD-5 S/N:684.7 Points Across peak:66



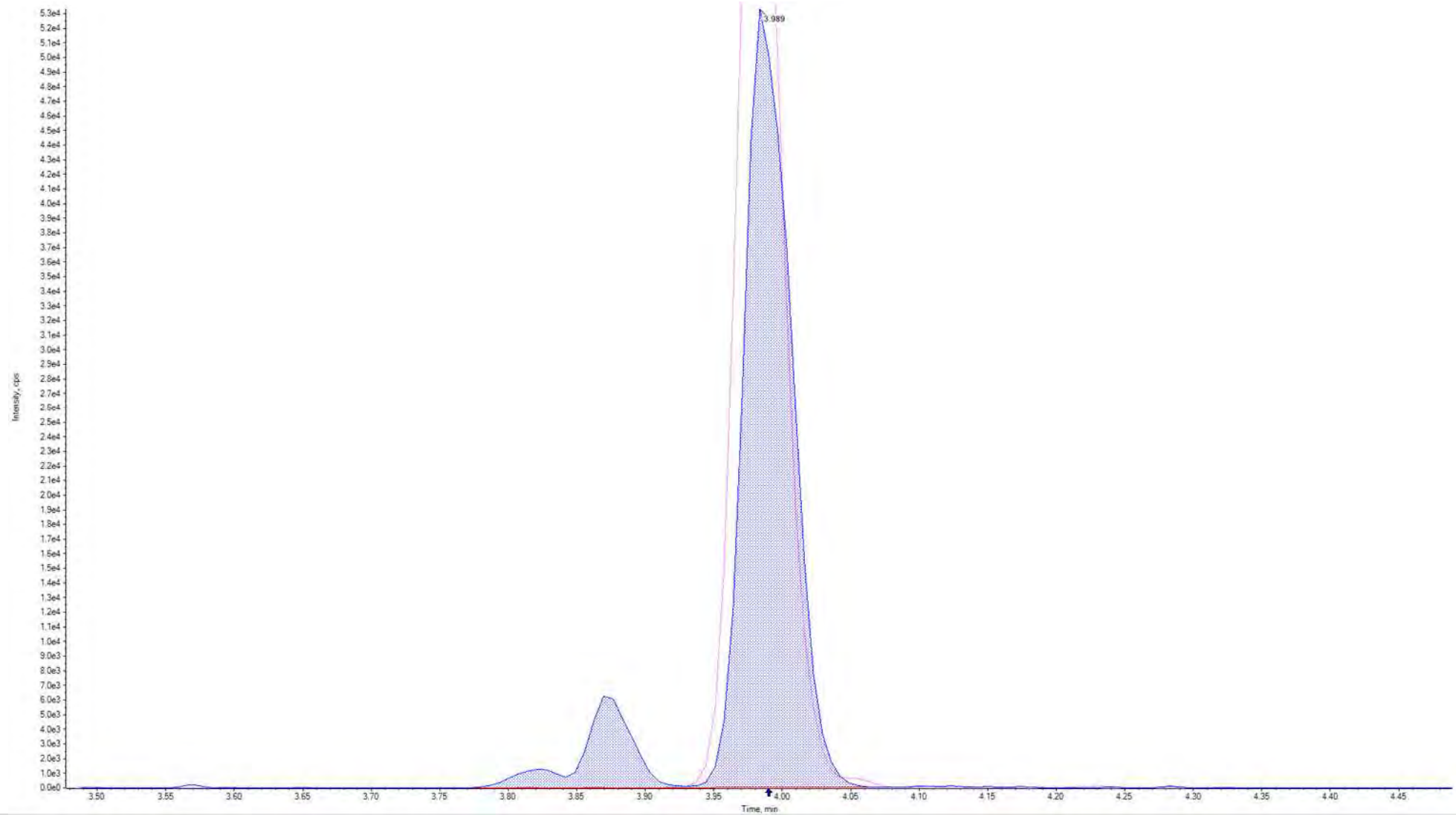
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSA_2
Sample: IA1633STD-5 S/N:662.4 Points Across peak:73



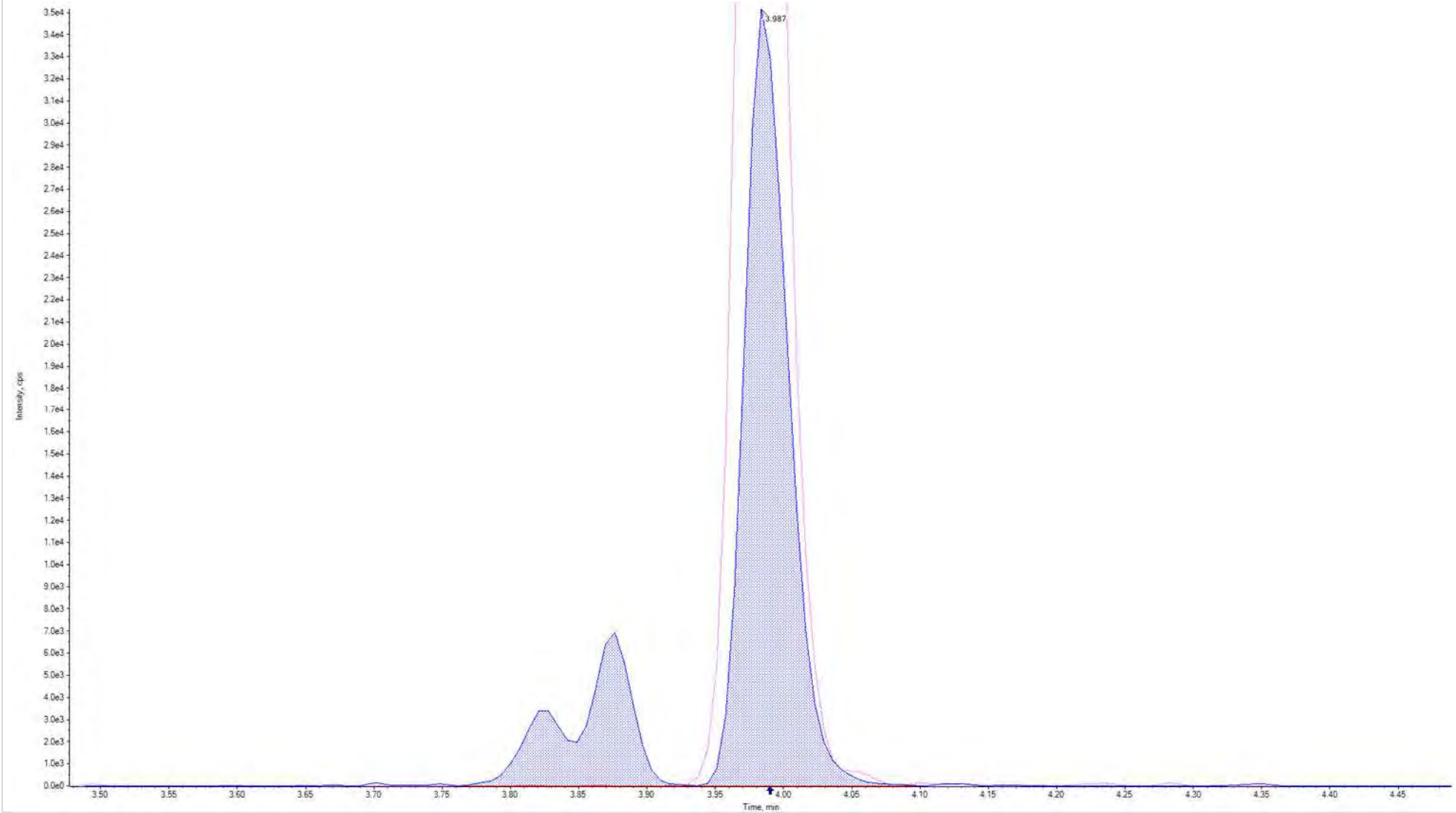
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSAA
Sample: IA1633STD-5 S/N:709.1 Points Across peak:50



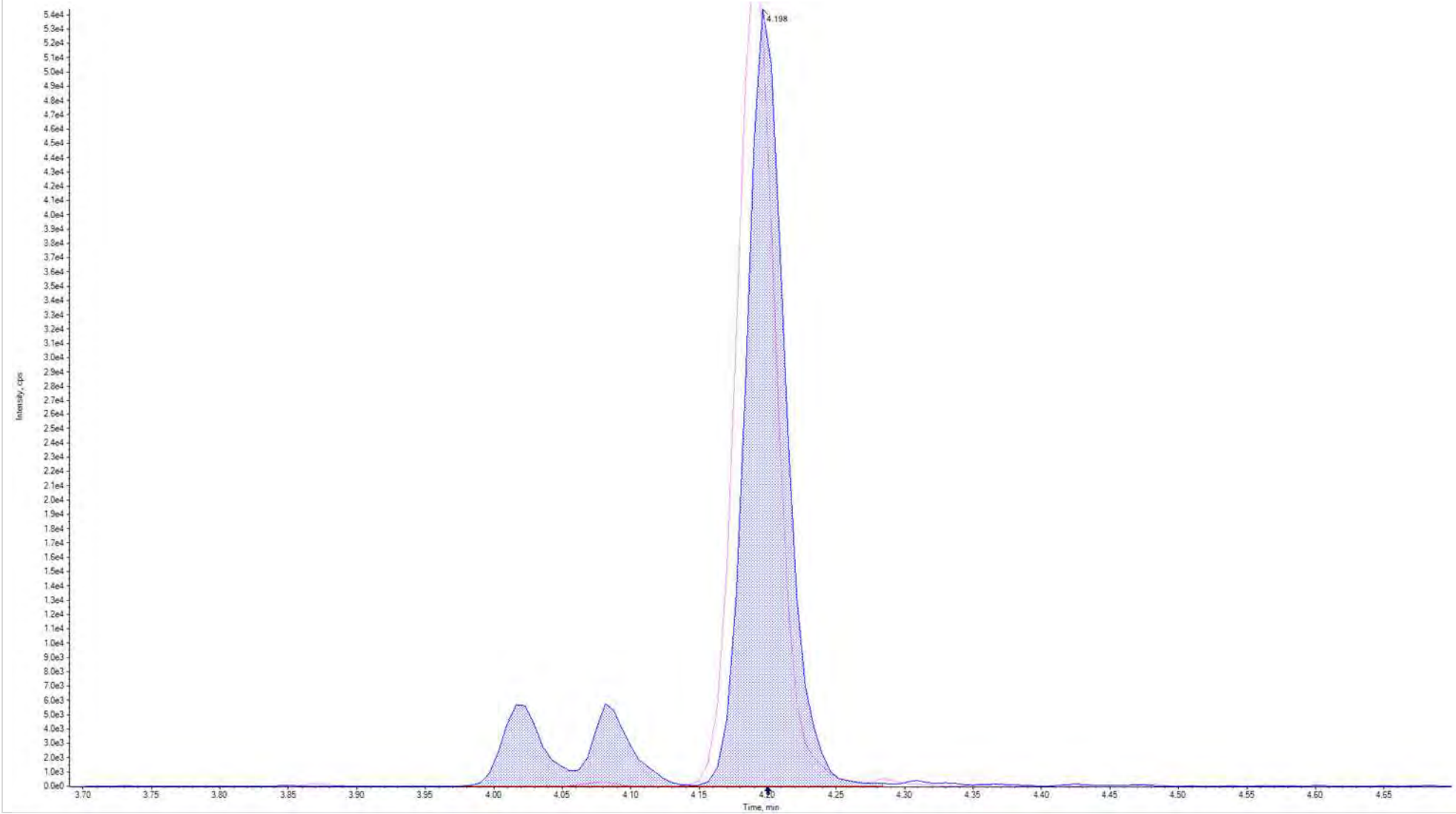
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSAA_2
Sample: IA1633STD-5 S/N:505.5 Points Across peak:53



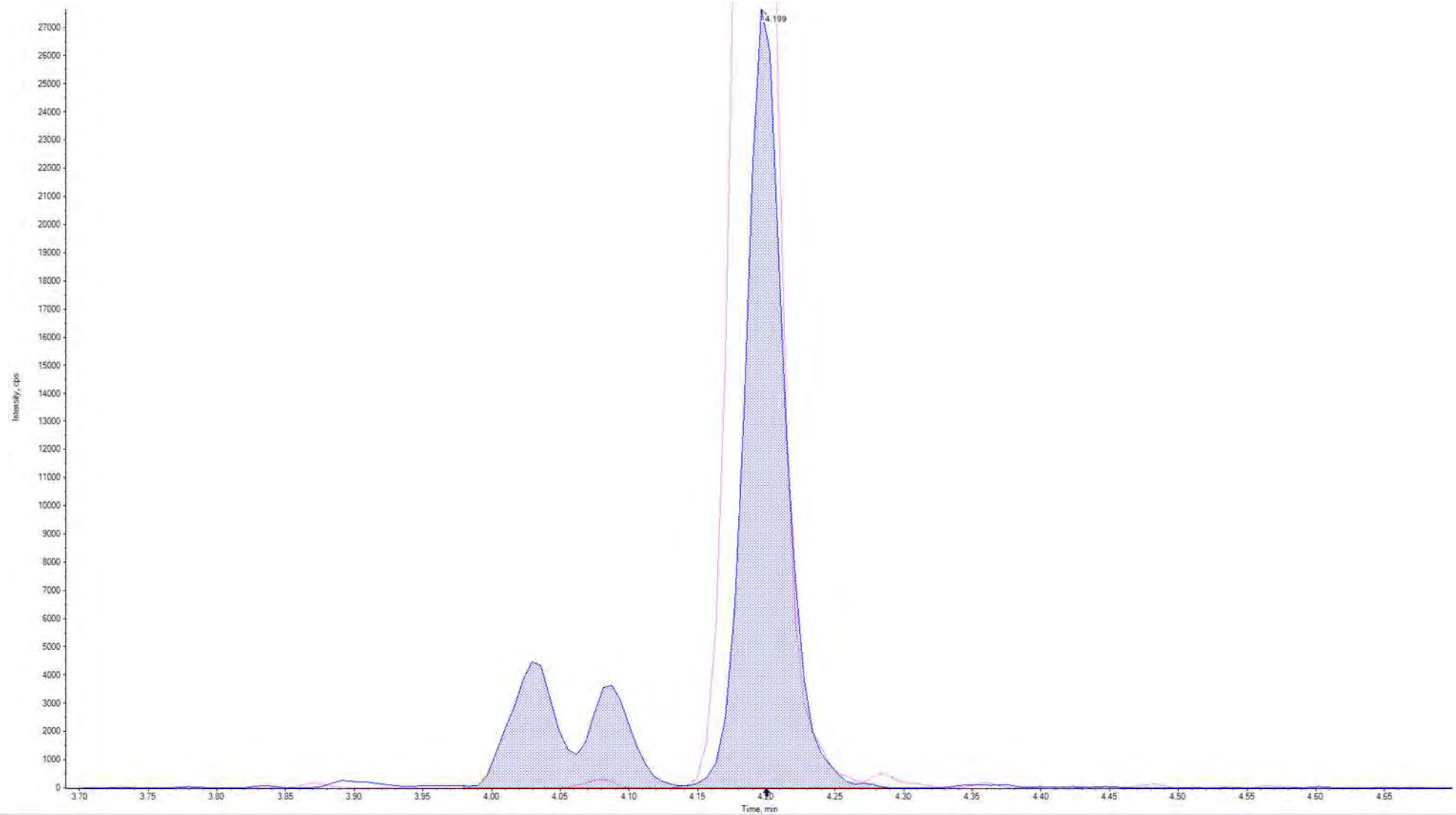
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSAA
Sample: IA1633STD-5 S/N:463.0 Points Across peak:51



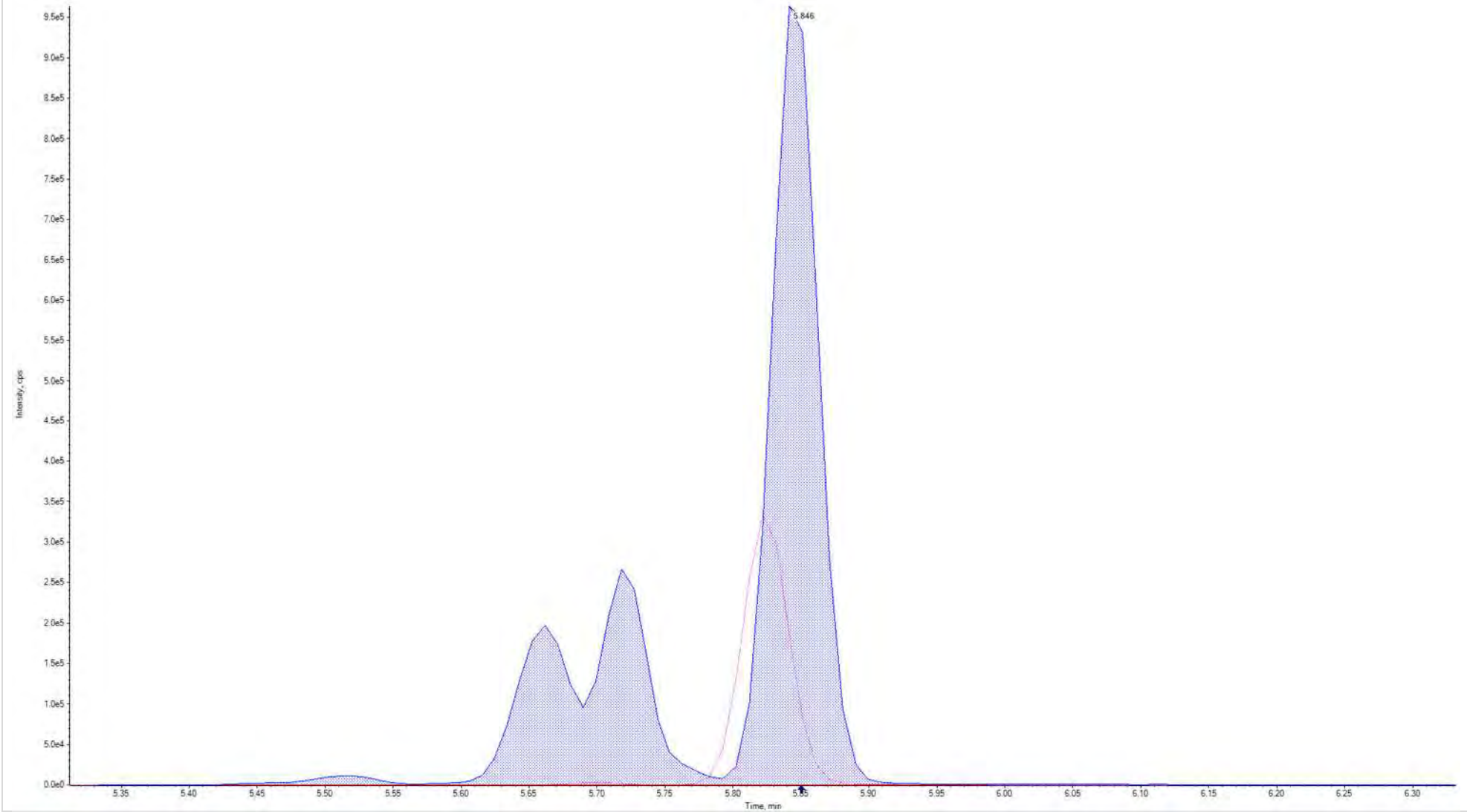
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSAA_2
Sample: IA1633STD-5 S/N:390.8 Points Across peak:51



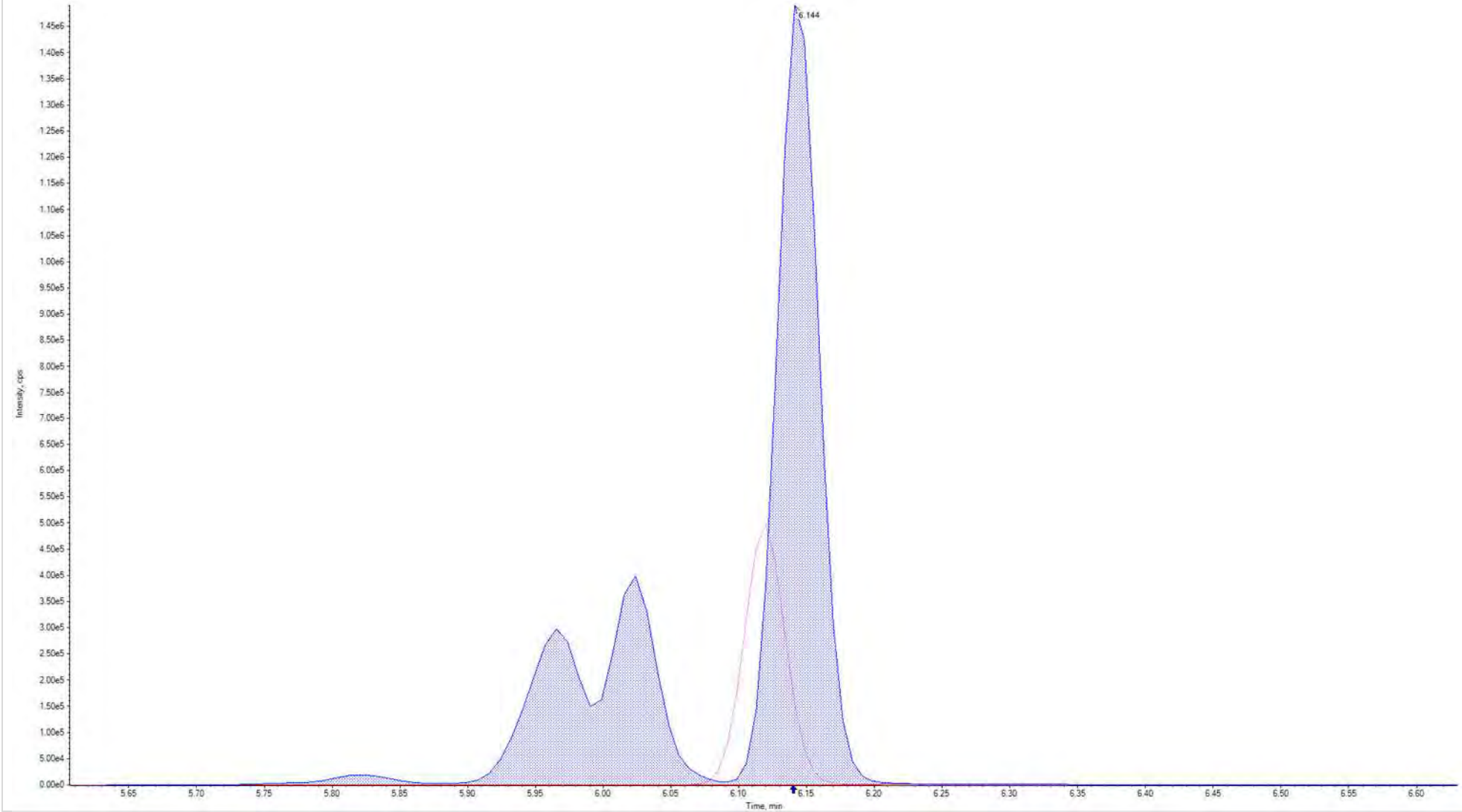
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSE
Sample: IA1633STD-5 S/N:246.8 Points Across peak:65



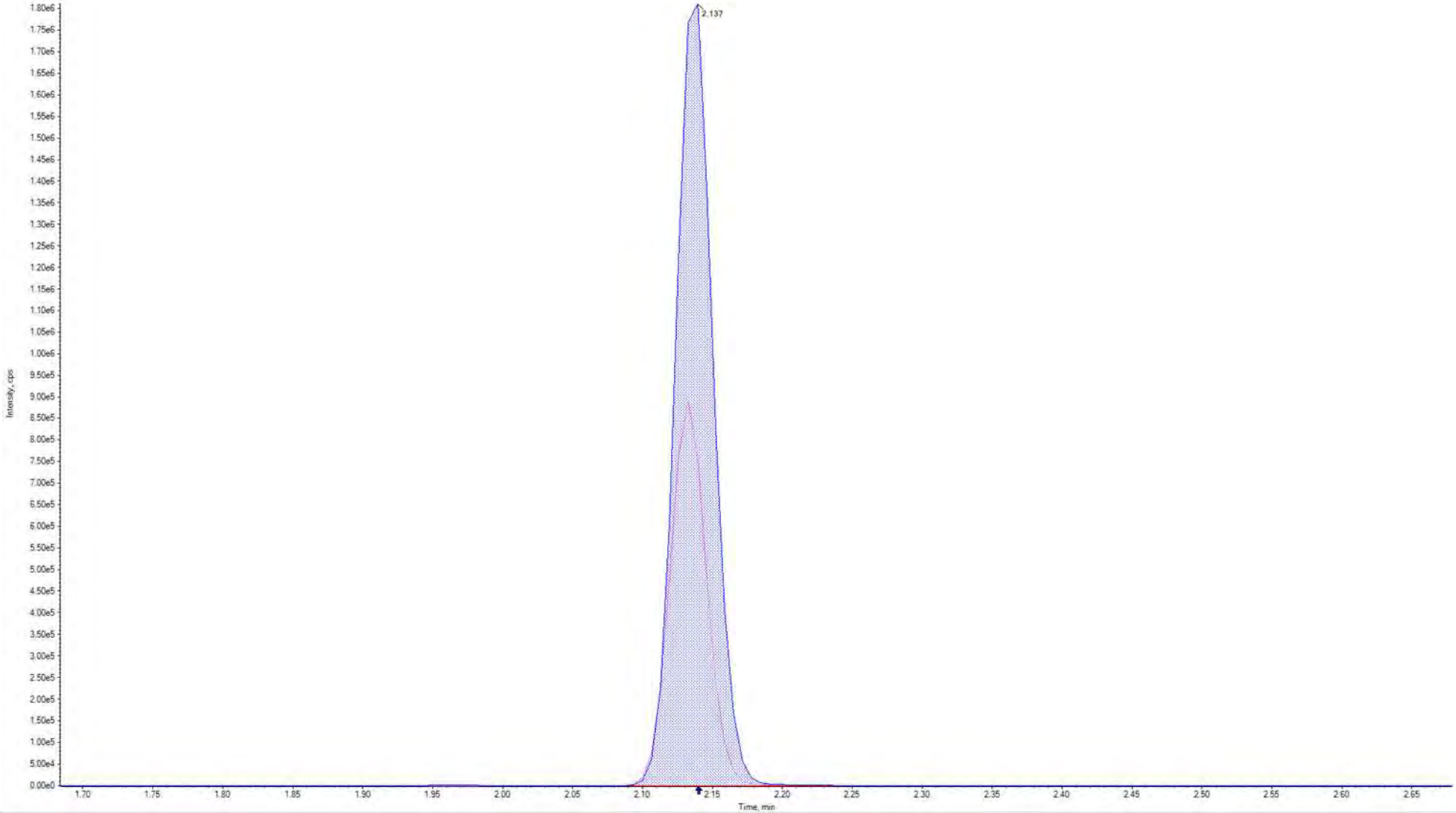
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSE
Sample: IA1633STD-5 S/N:450.1 Points Across peak:71



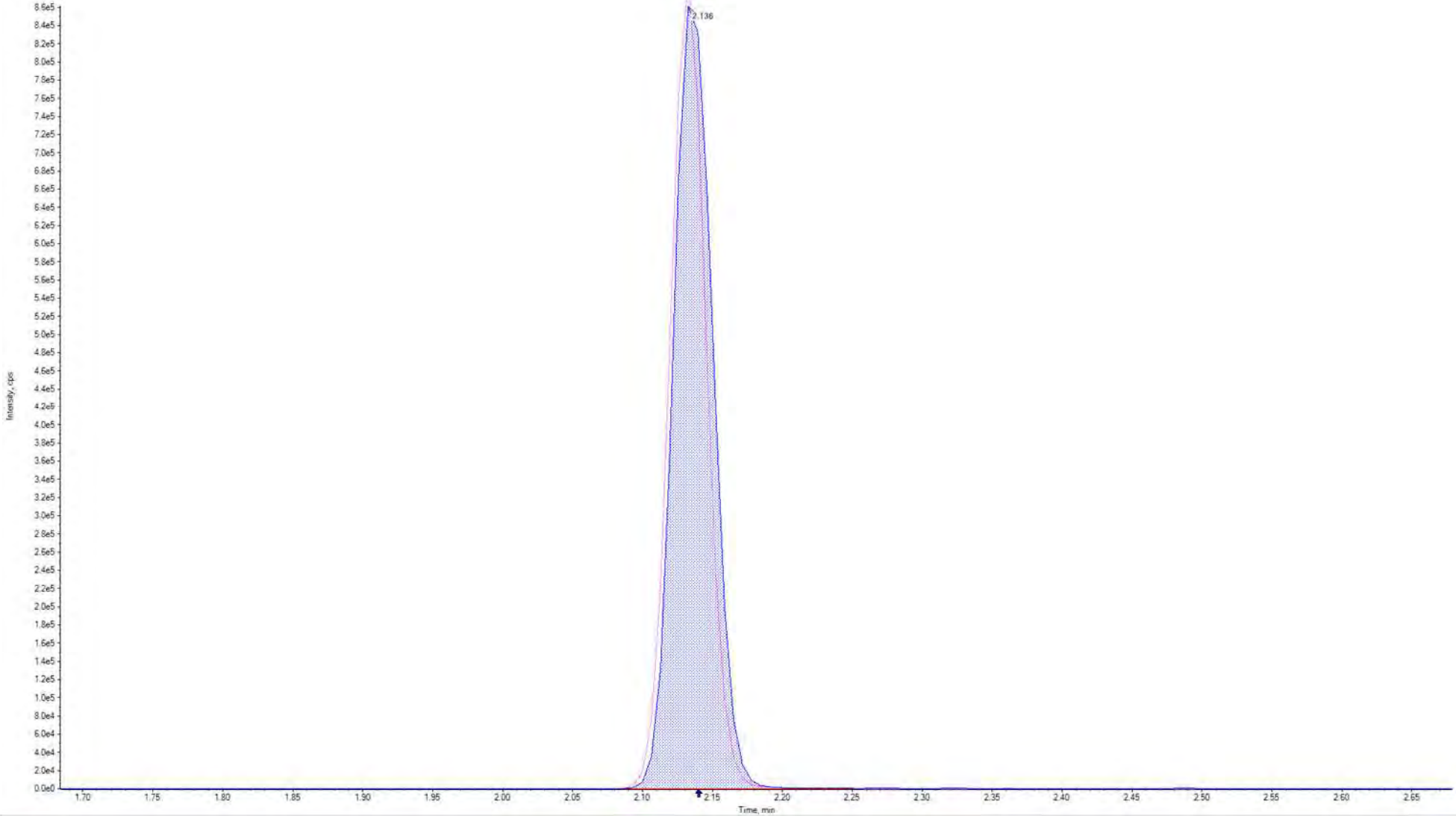
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

HFPO-DA
Sample: IA1633STD-5 S/N:4673.7 Points Across peak:29



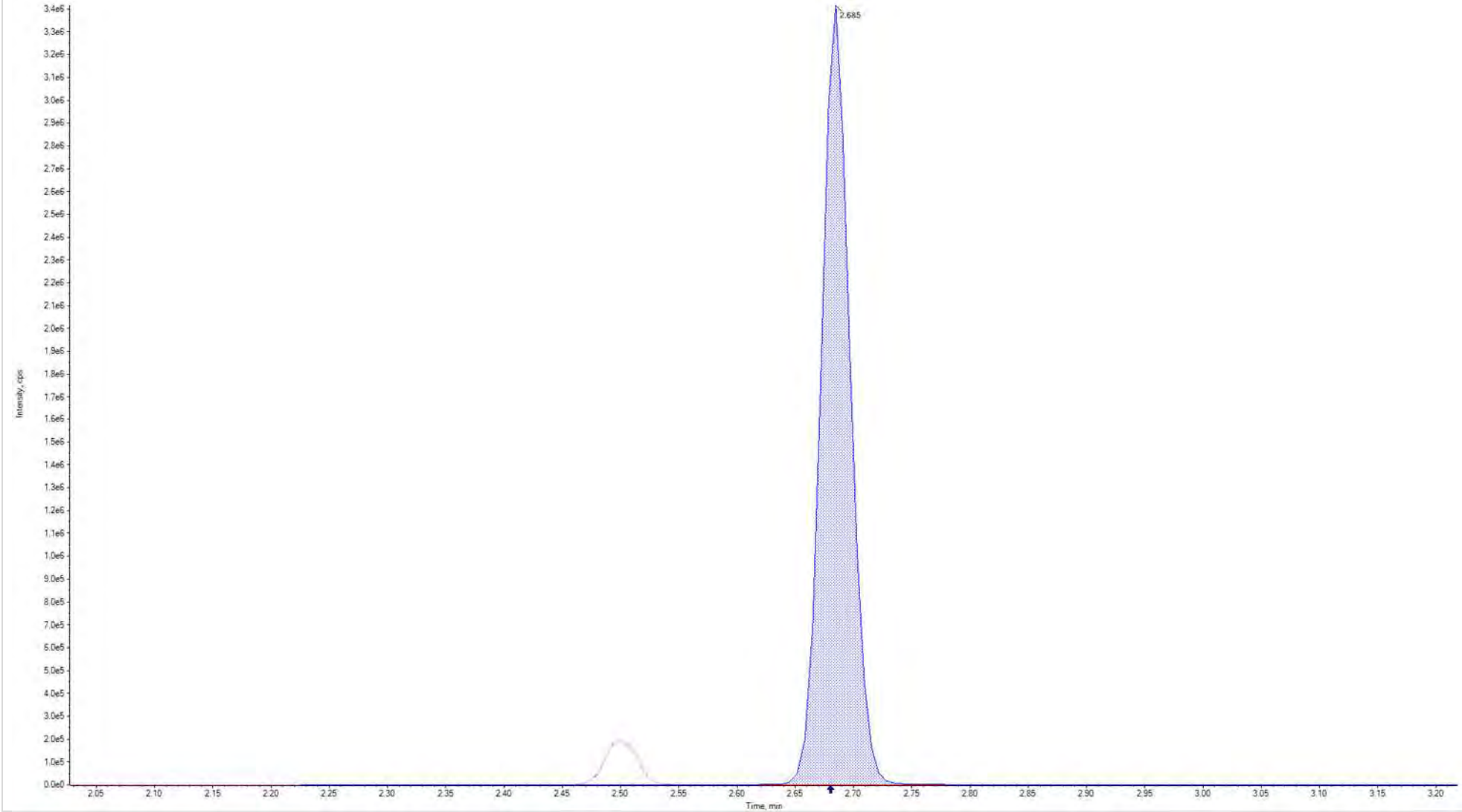
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

HFPO-DA_2
Sample: IA1633STD-5 S/N:19433.7 Points Across peak:31



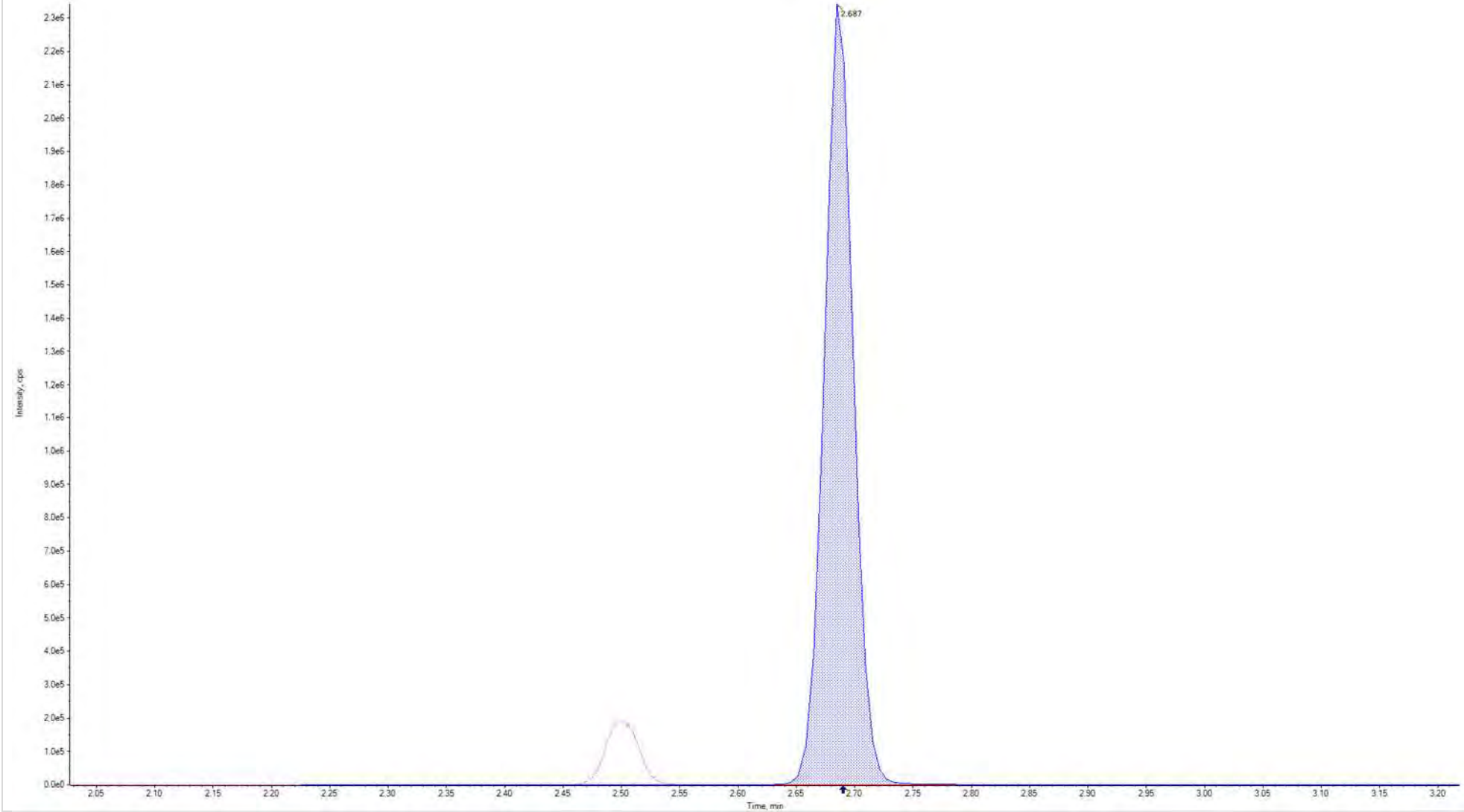
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

ADONA
Sample: IA1633STD-5 S/N:68491.7 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

ADONA_2
Sample: IA1633STD-5 S/N:46981.1 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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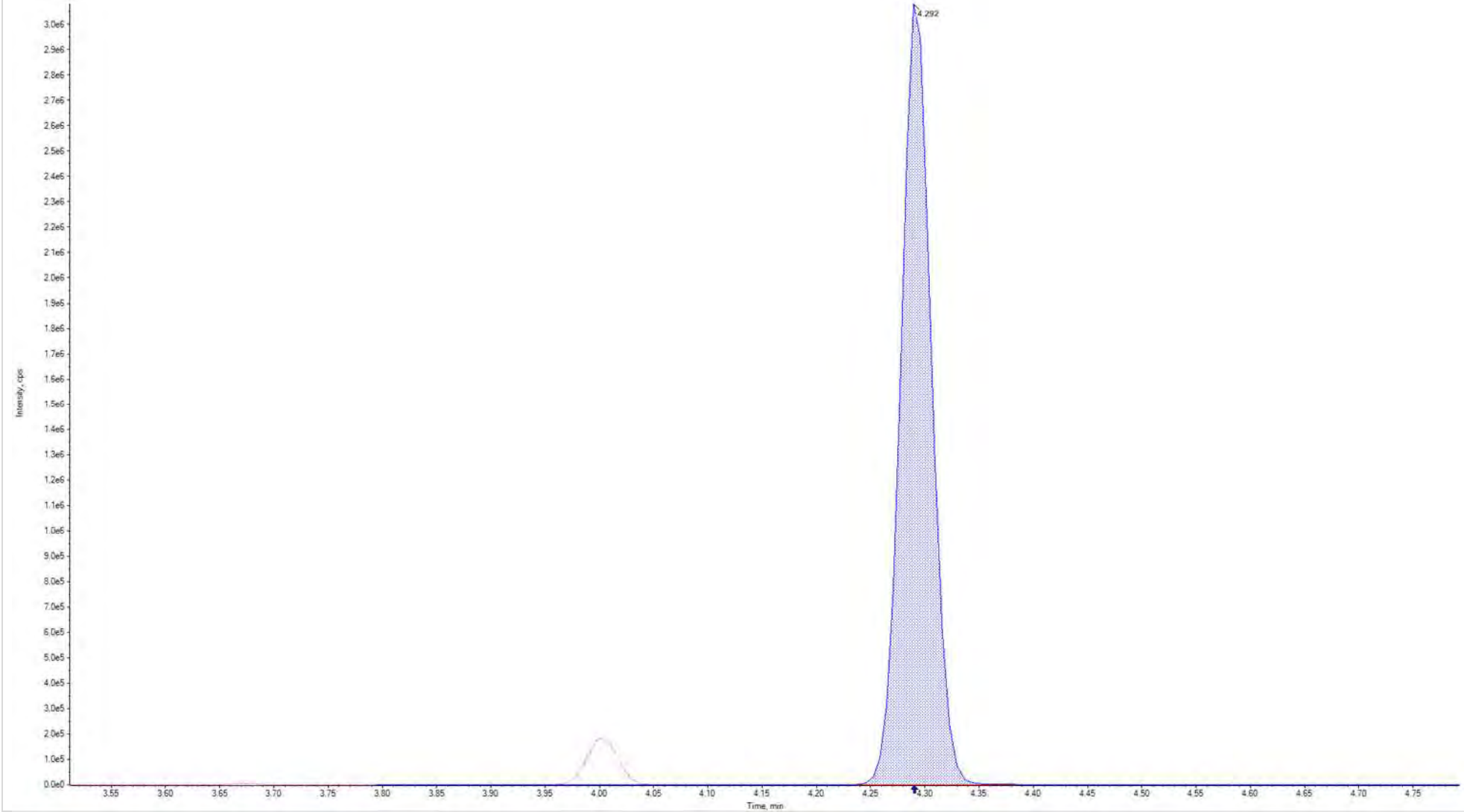
9Cl-PF3ONS
Sample: IA1633STD-5 S/N:10343.2 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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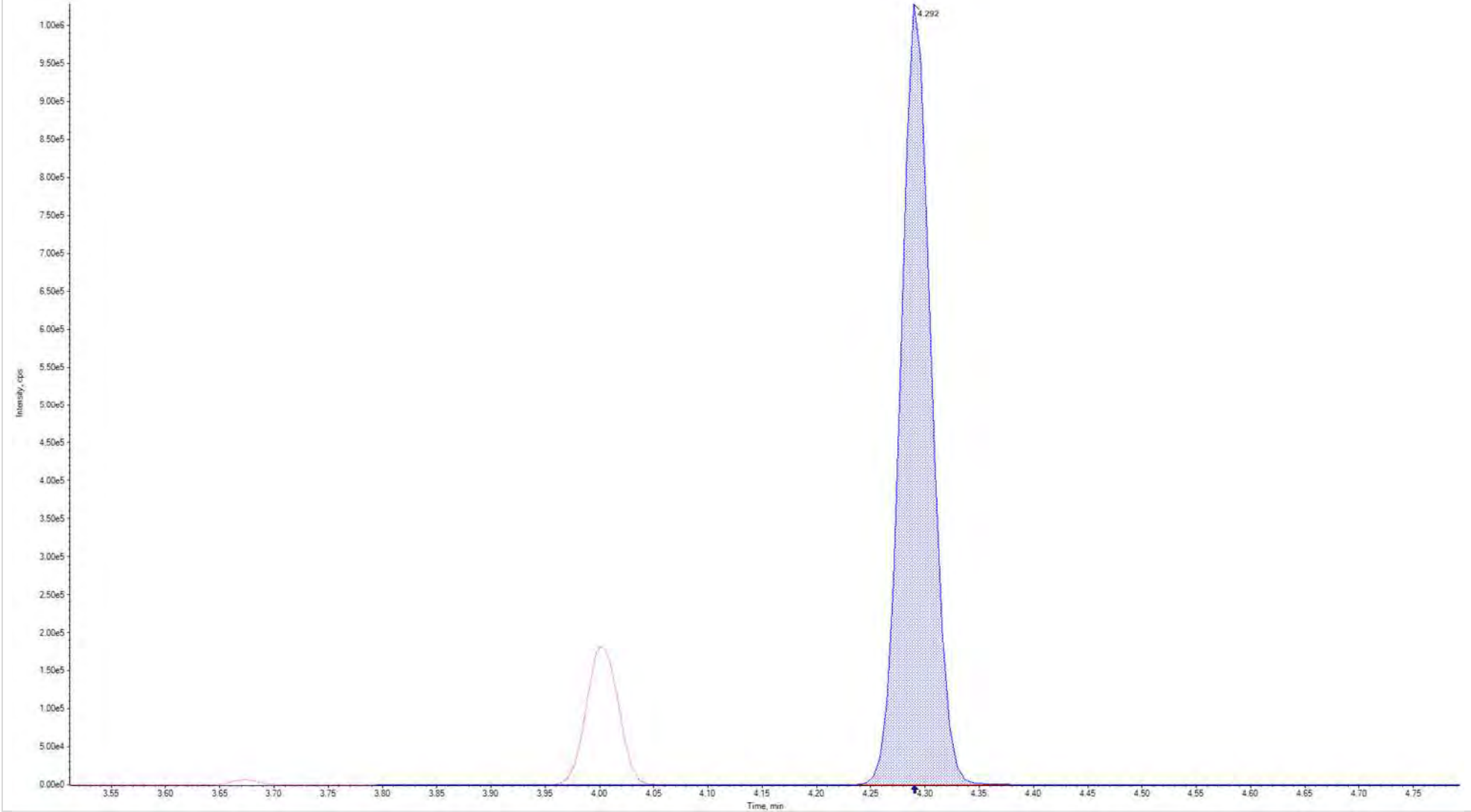
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

9Cl-PF3ONS_2
Sample: IA1633STD-5 S/N:9206.7 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\250303\SCI09_250303_26.wiff2_5
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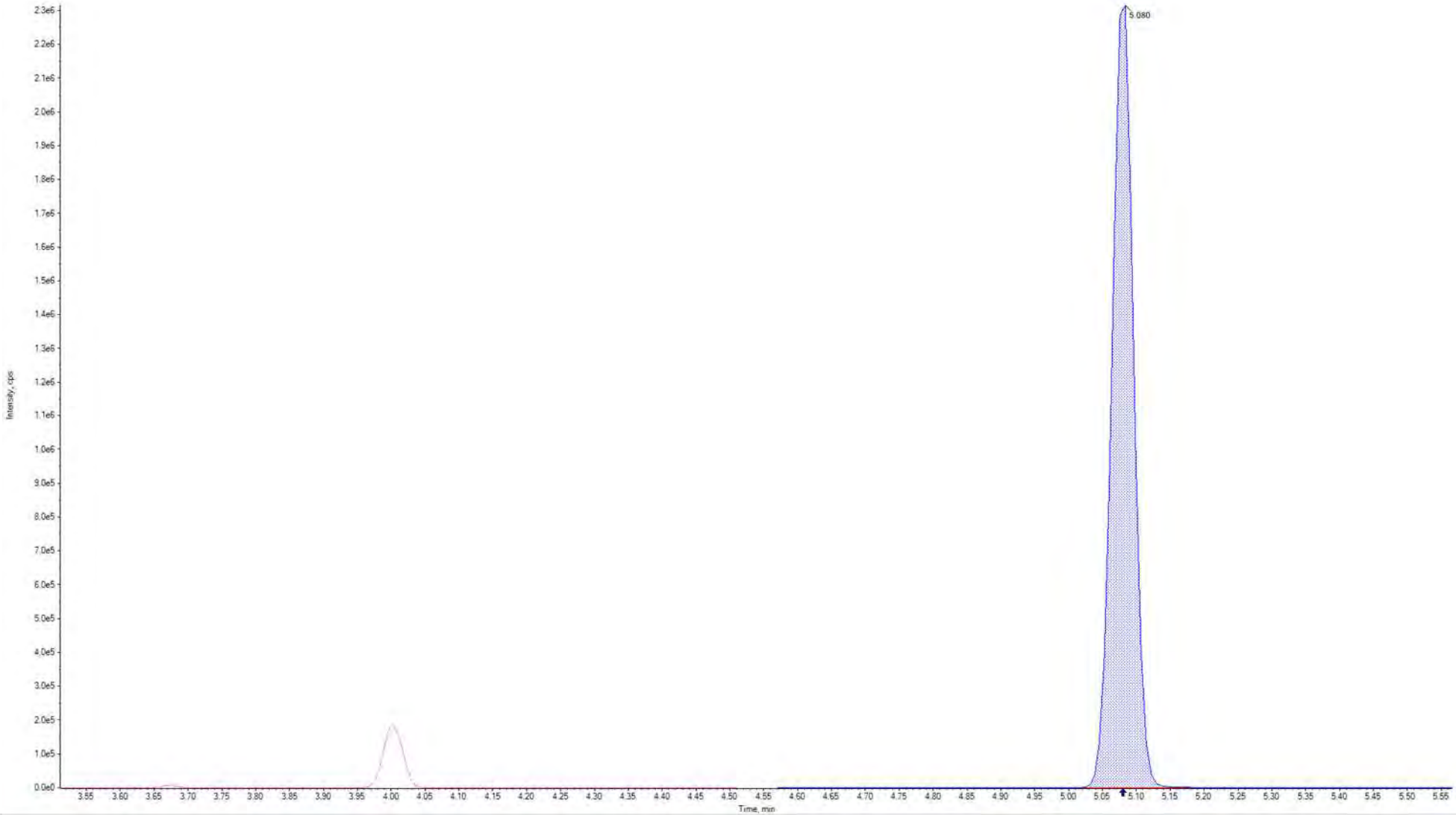
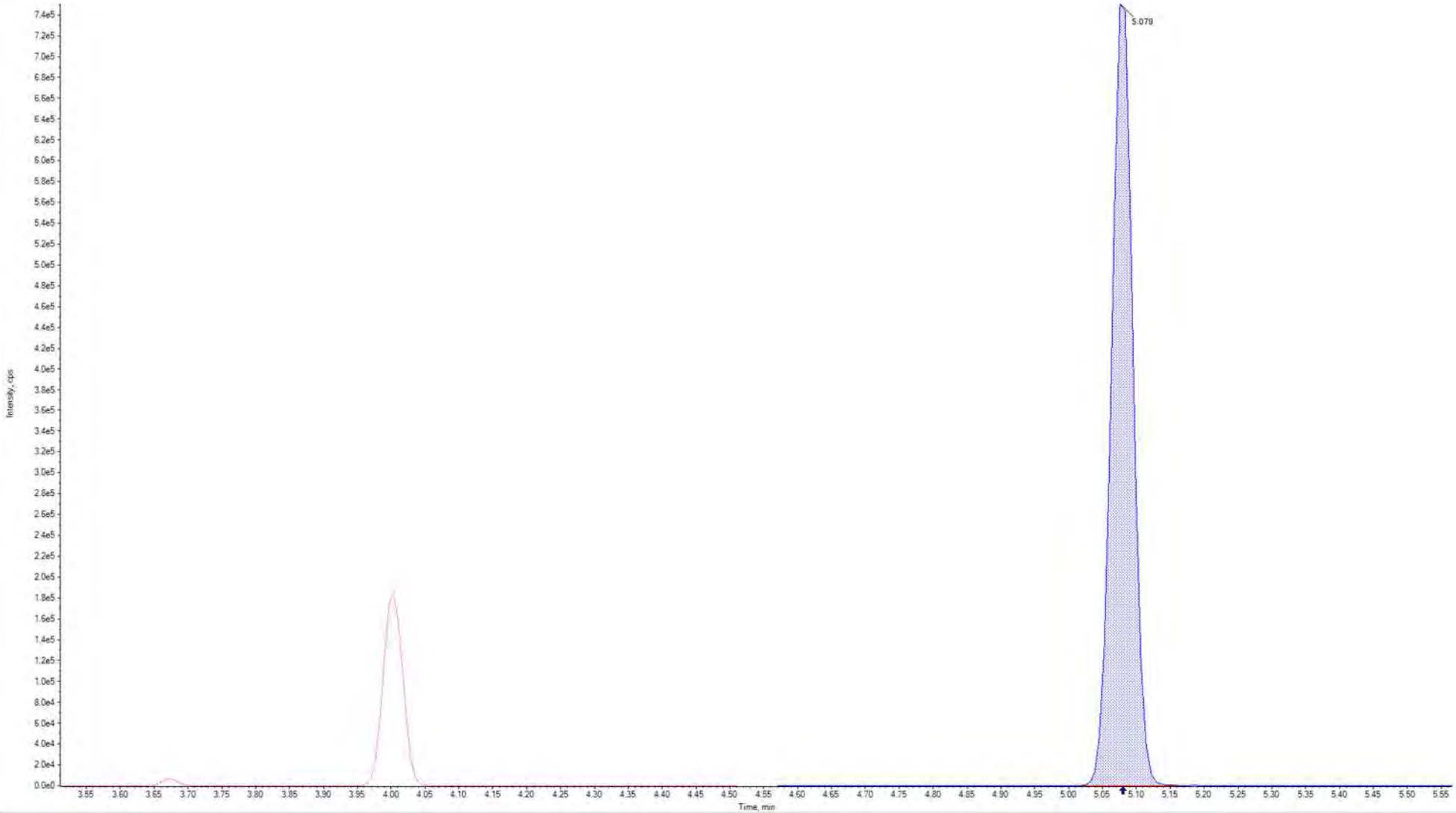
Generated: 3/3/2025 3:16:24 PM

11Cl-PF3OUdS
Sample: IA1633STD-5 S/N:9496.6 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\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-5 S/N:9686.8 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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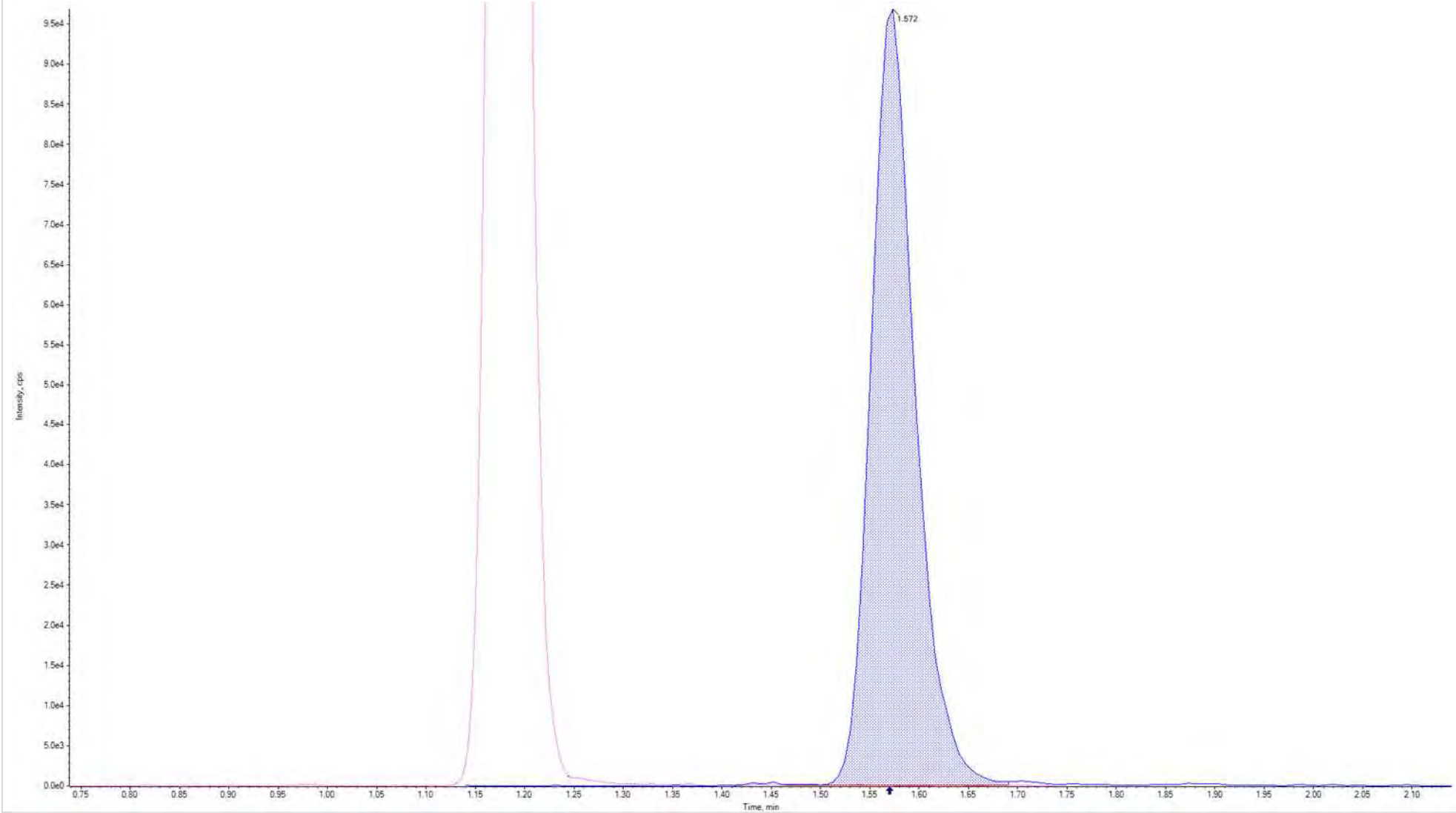
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

3:3FTCA
Sample: IA1633STD-5 S/N:1846.5 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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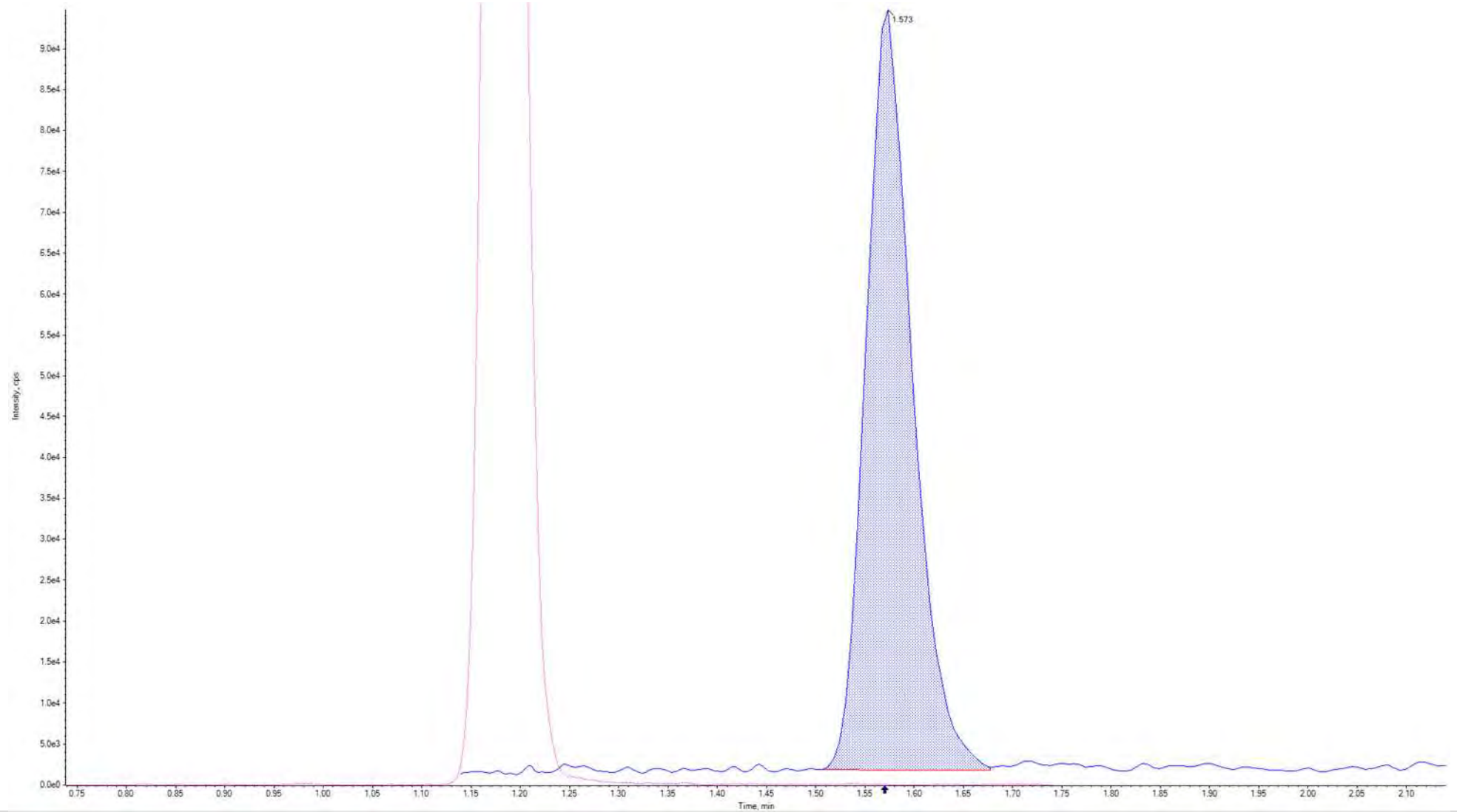
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

3:3FTCA_2
Sample: IA1633STD-5 S/N:492.9 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\250303\SCI09_250303_26.wiff2_5
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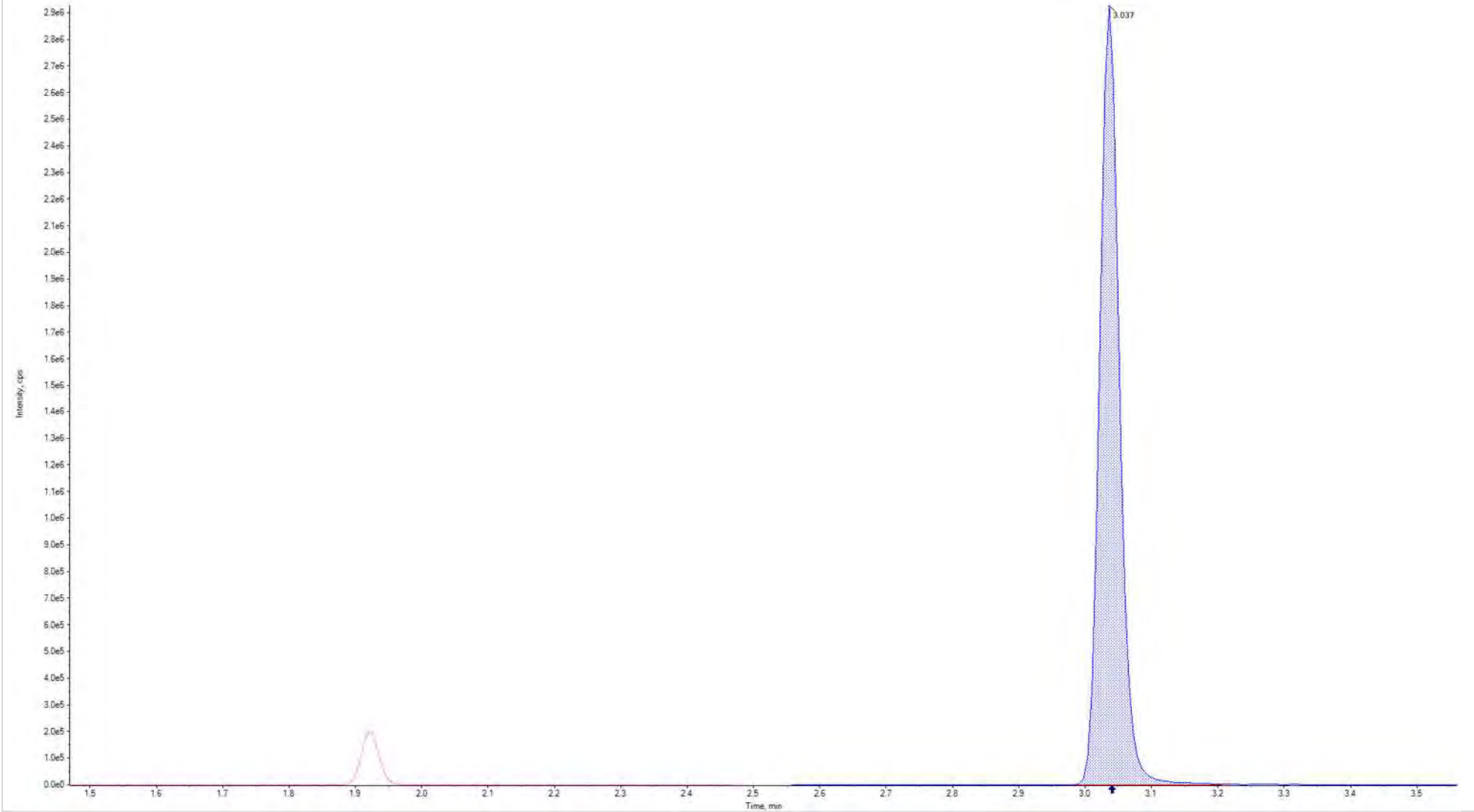
Generated: 3/3/2025 3:16:24 PM

5:3FTCA
Sample: IA1633STD-5 S/N:17754.5 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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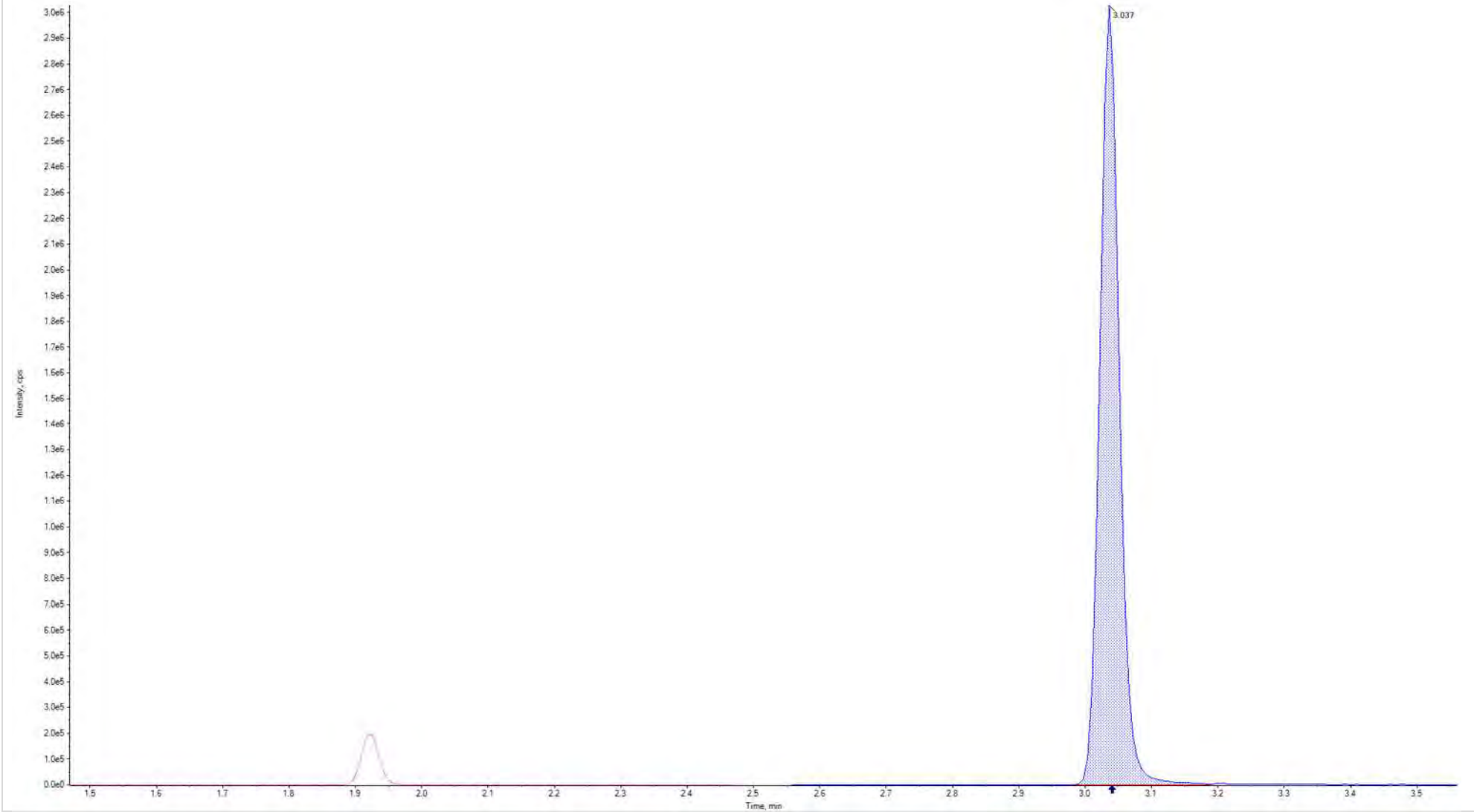
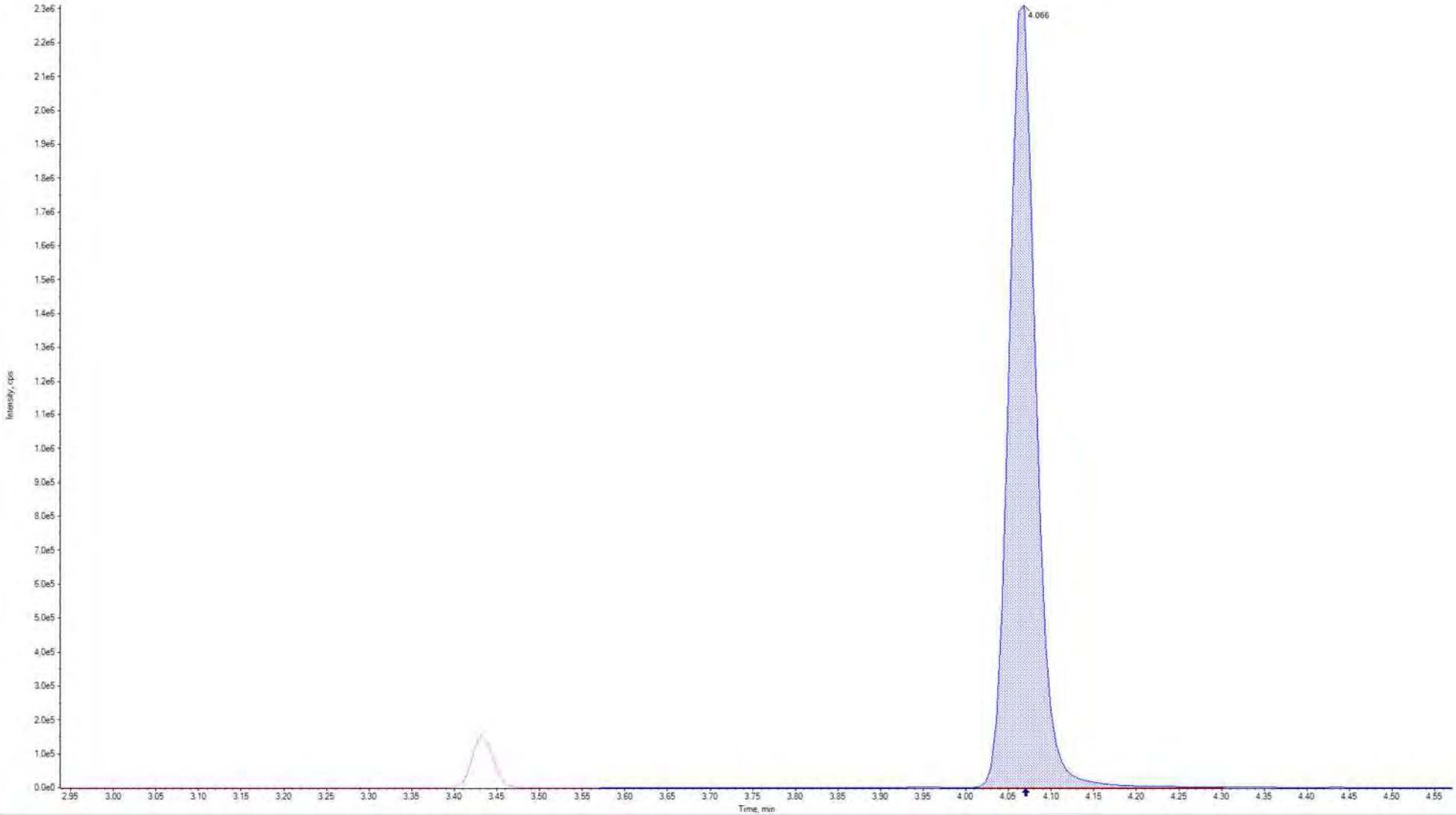
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

5:3FTCA_2
Sample: IA1633STD-5 S/N:6862.0 Points Across peak:36



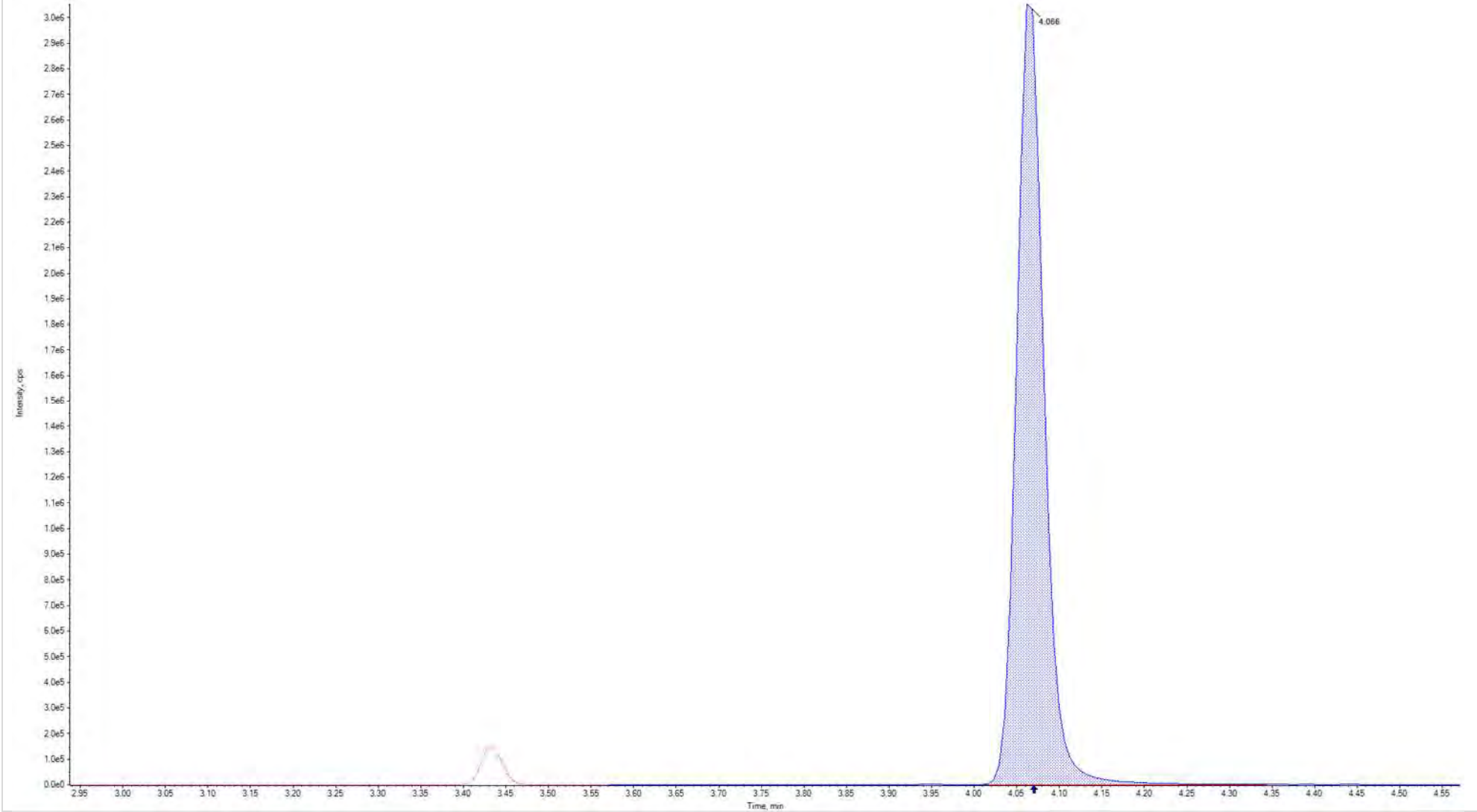
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

7:3FTCA
Sample: IA1633STD-5 S/N:25113.7 Points Across peak:49



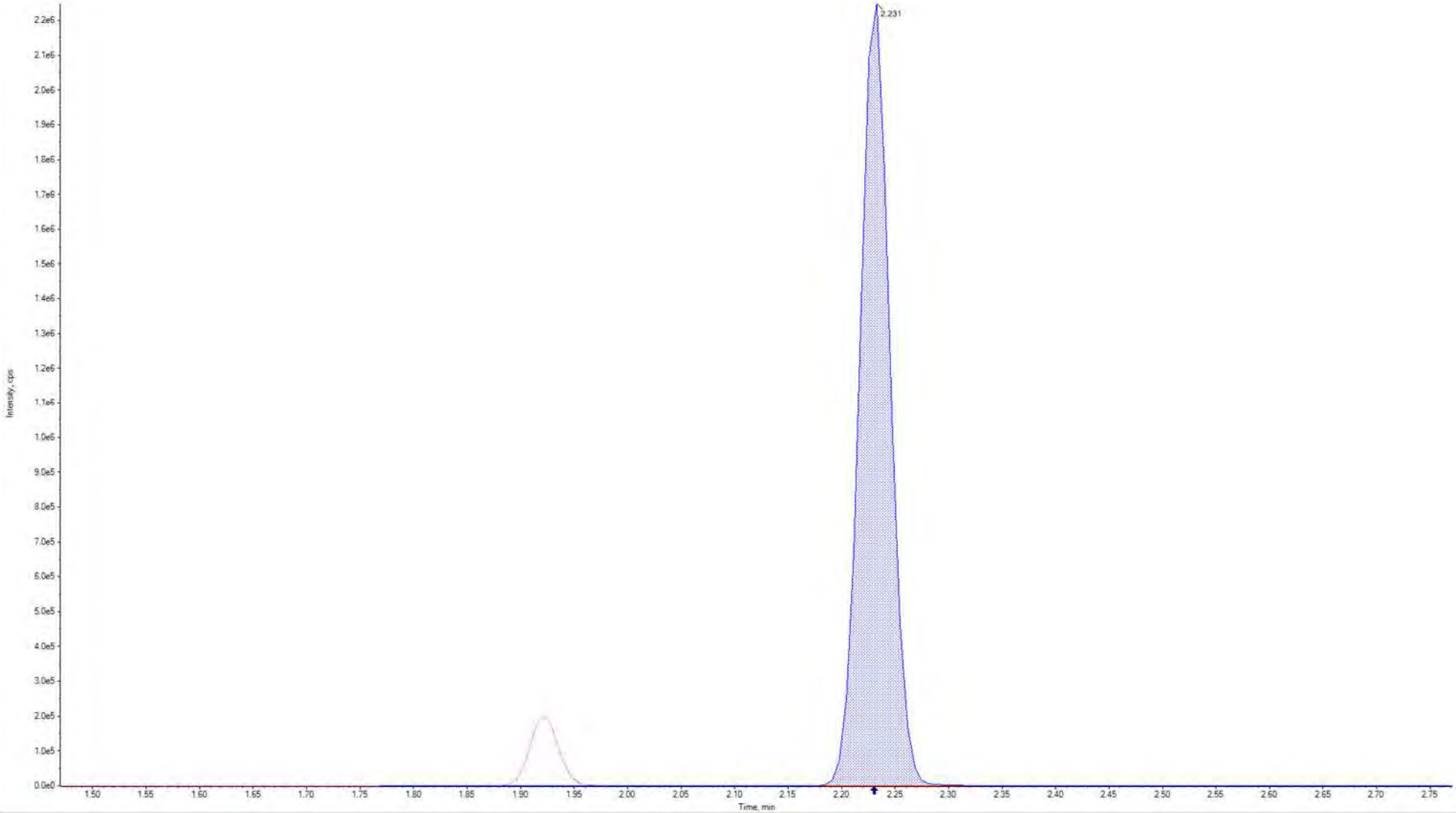
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

7:3FTCA_2
Sample: IA1633STD-5 S/N:44124.7 Points Across peak:55



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFEESA
Sample: IA1633STD-5 S/N:50698.2 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 6:51:07 AM
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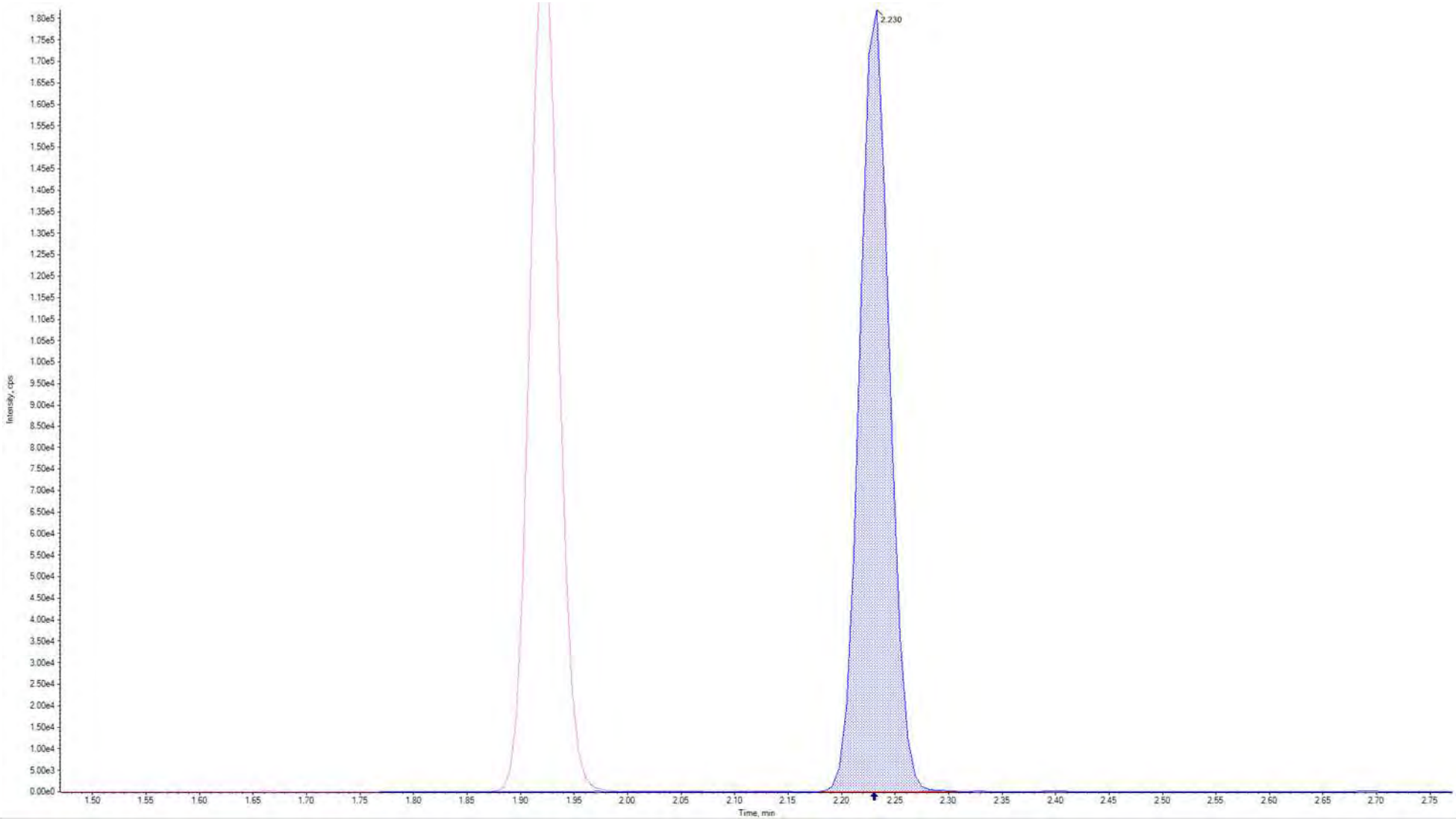
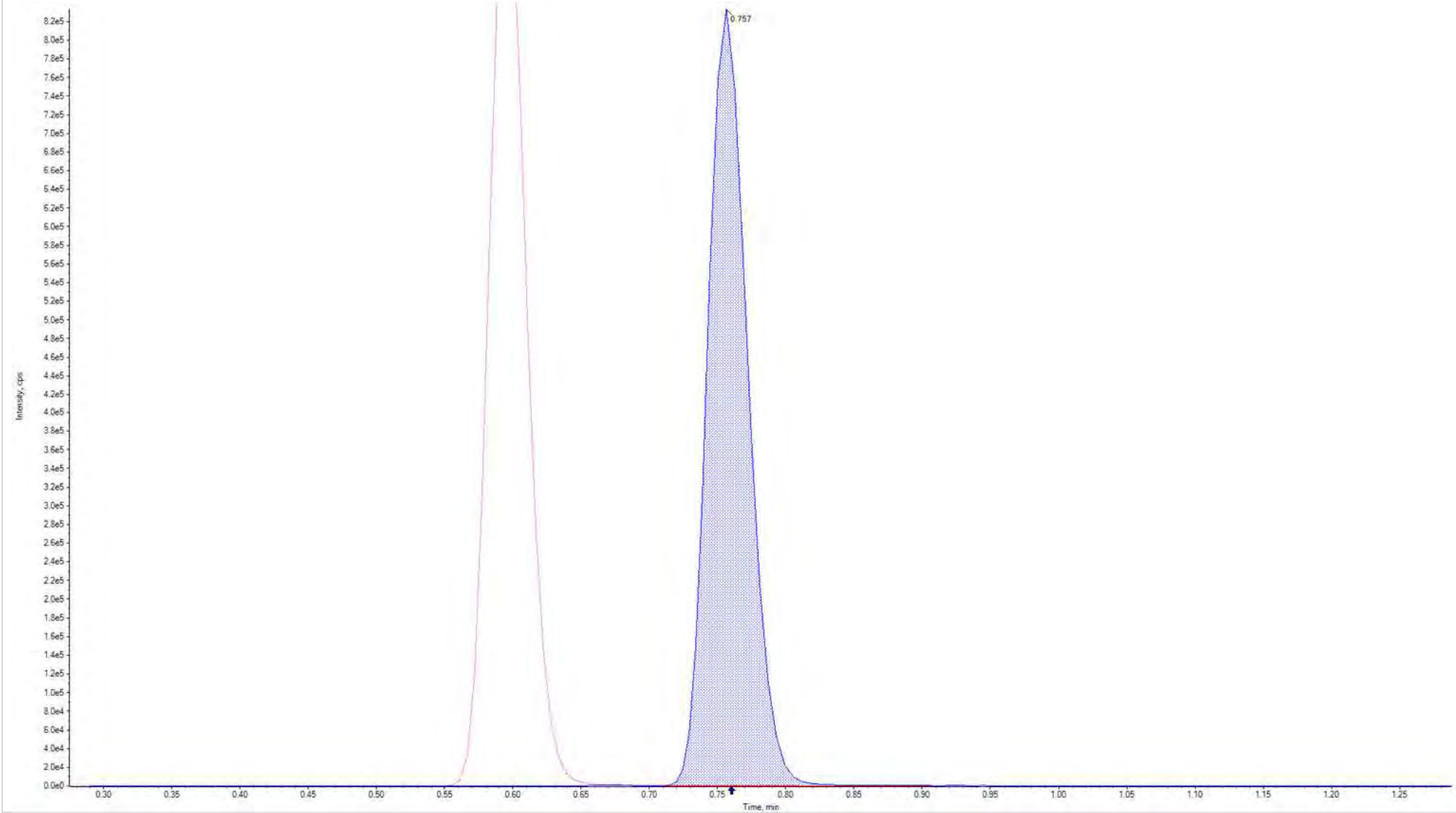
PFEESA_2
Sample: IA1633STD-5 S/N:3617.6 Points Across peak:25



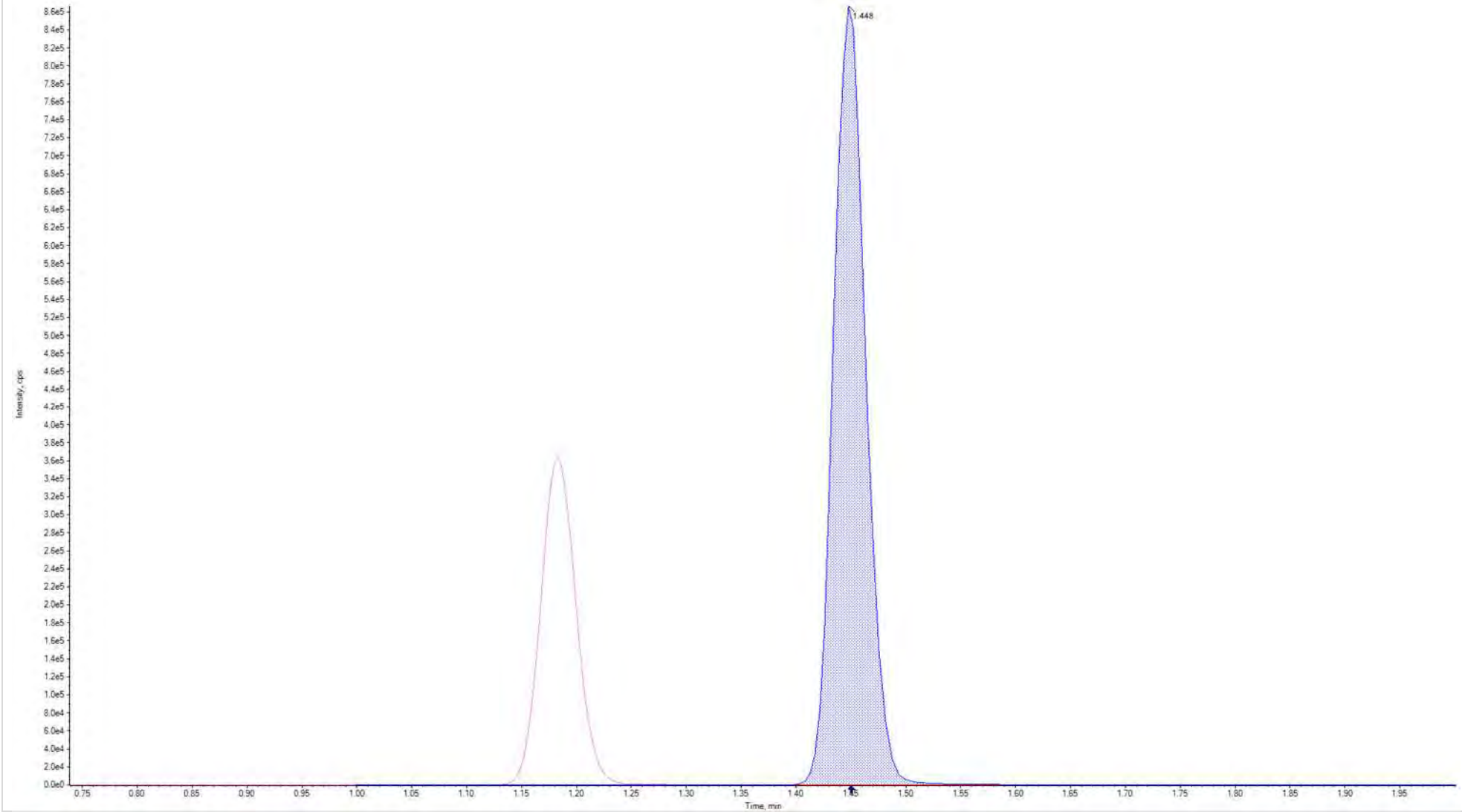
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFMPA
Sample: IA1633STD-5 S/N:11270.0 Points Across peak:38



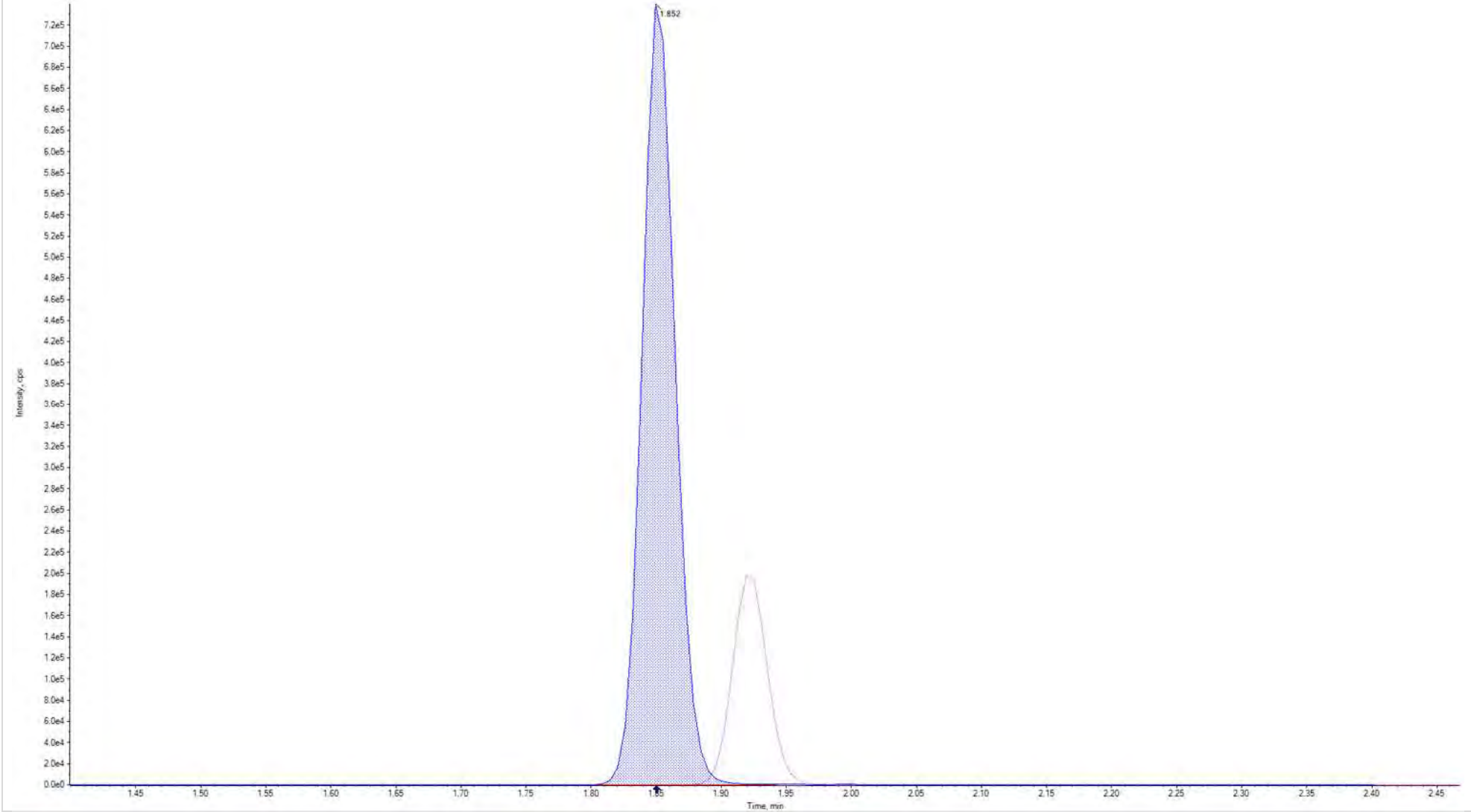
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFMBA
Sample: IA1633STD-5 S/N:24782.7 Points Across peak:53



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NFDHA
Sample: IA1633STD-5 S/N:6080.0 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 6:51:07 AM
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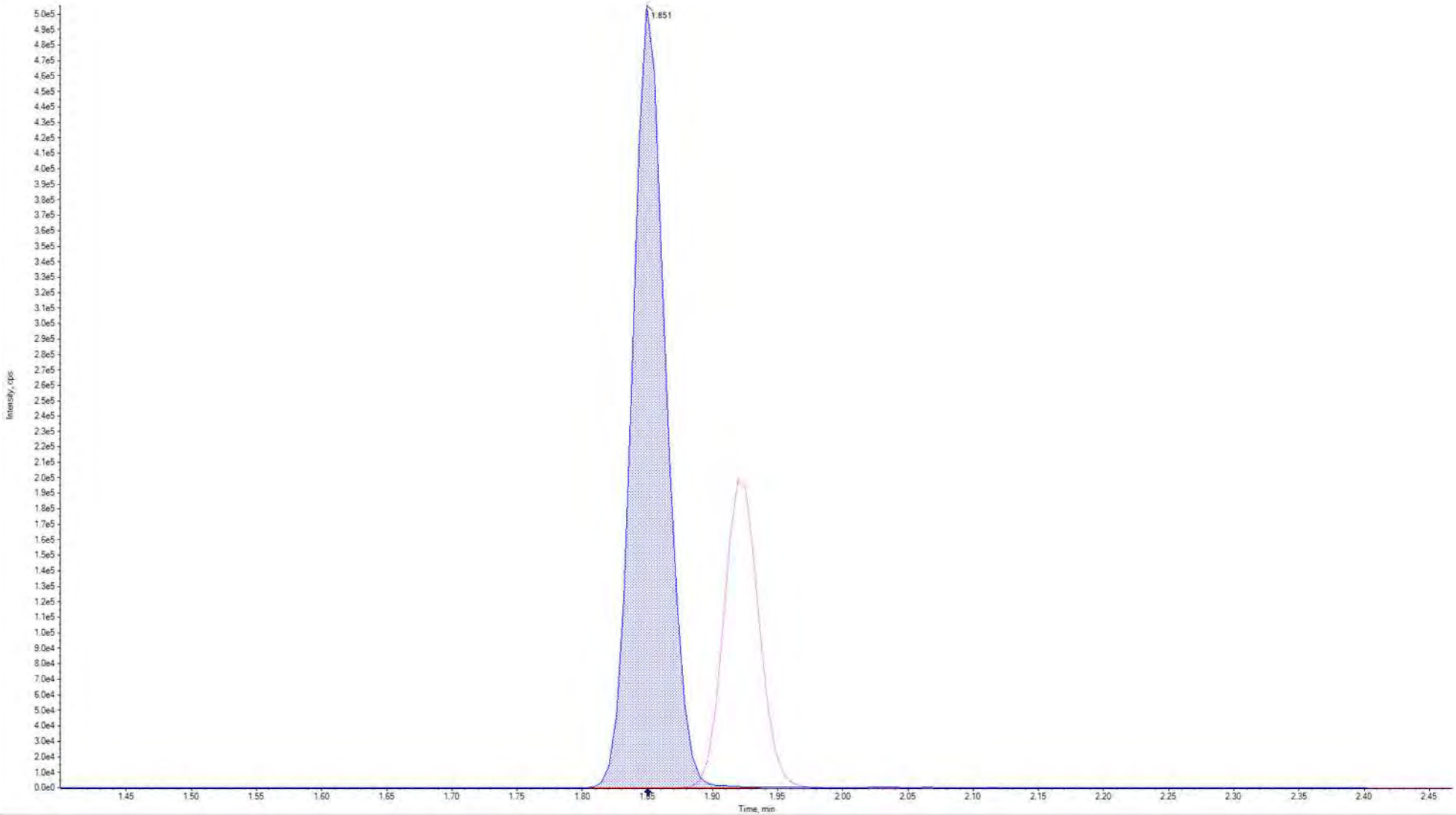
NFDHA_2
Sample: IA1633STD-5 S/N:13939.2 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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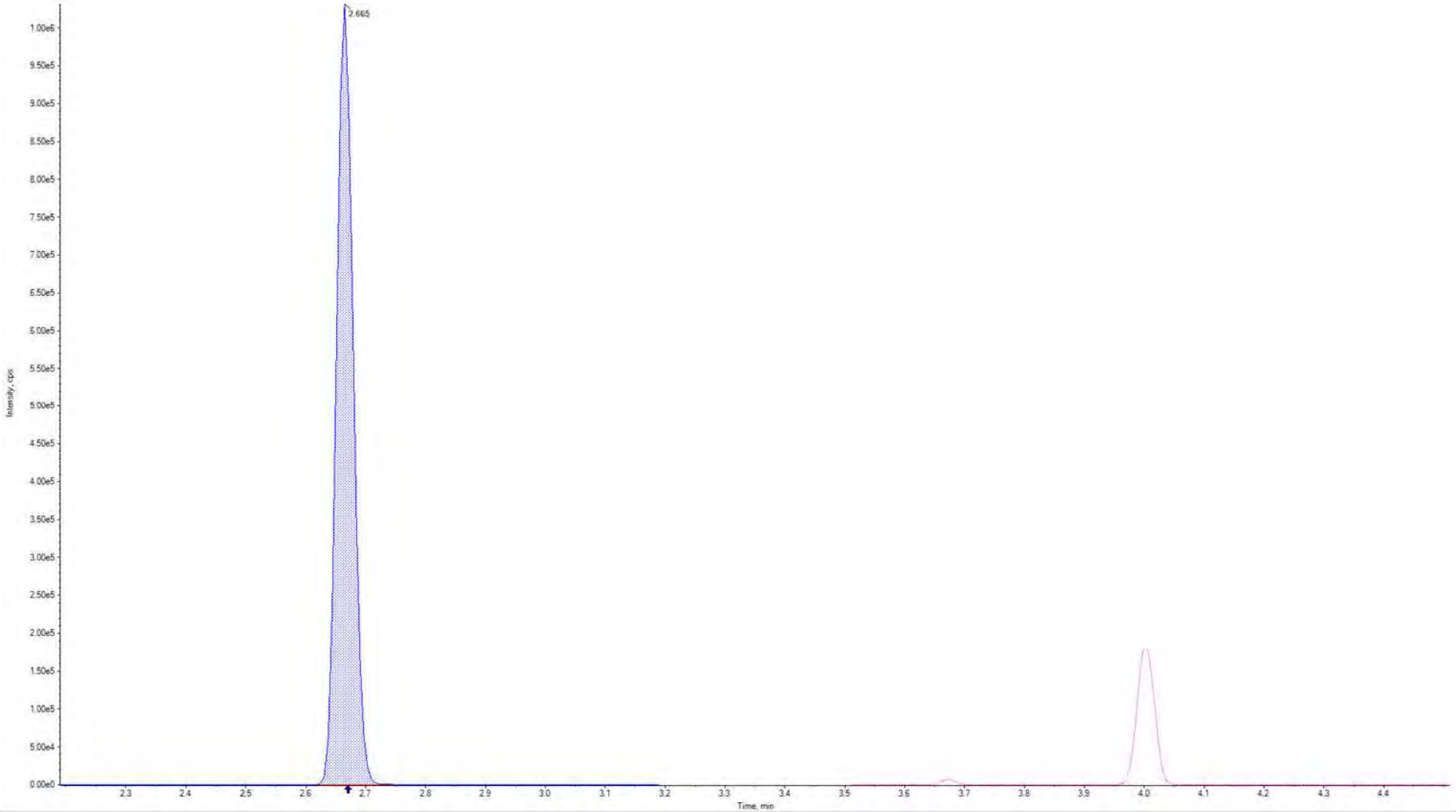
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

TDCA
Sample: IA1633STD-5 S/N:11730.4 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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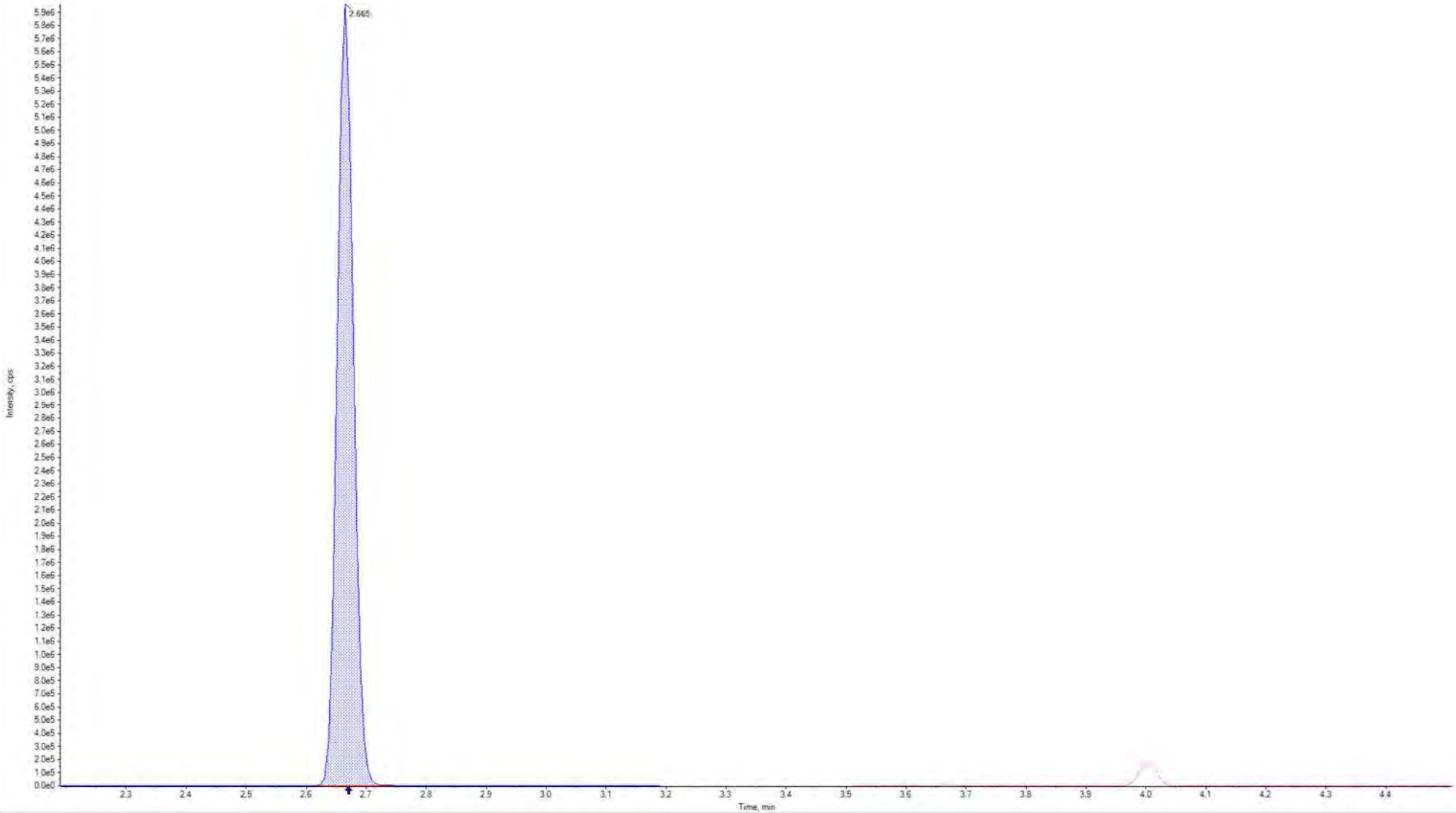
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

TDCA_2
Sample: IA1633STD-5 S/N:119607.9 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 6:51:07 AM
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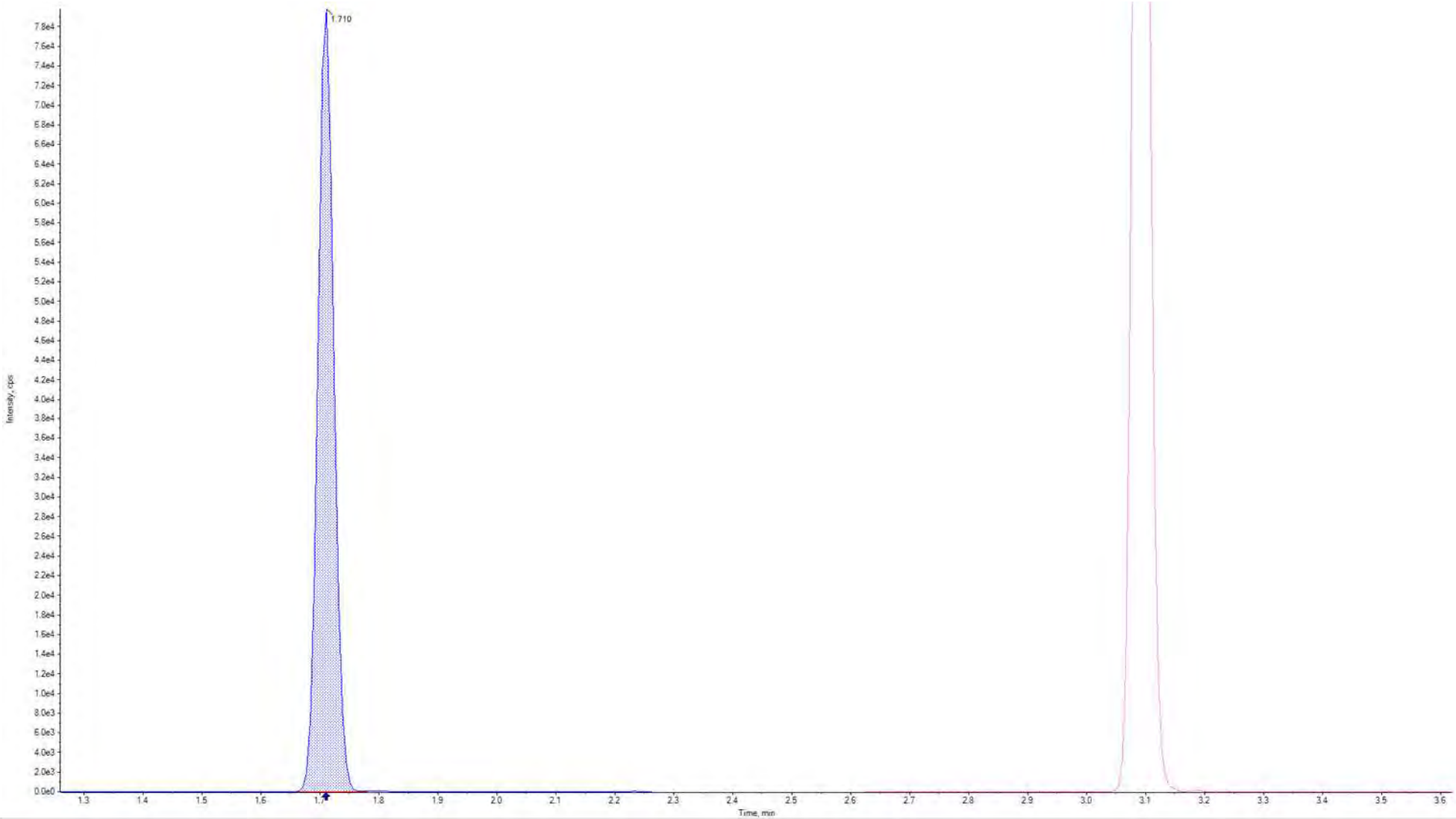
13C2D4-4:2FTS
Sample: IA1633STD-5 S/N:3000.0 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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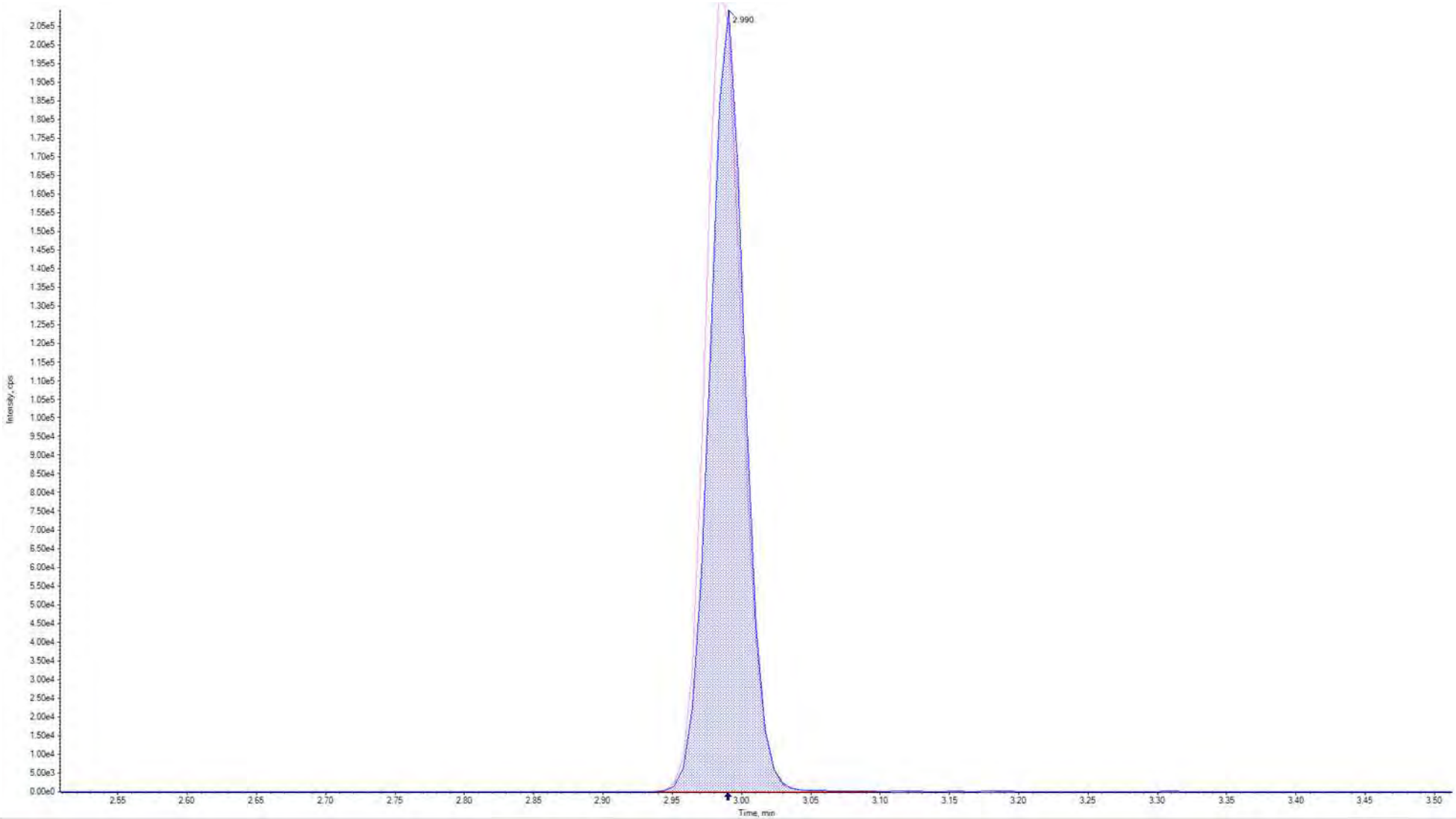
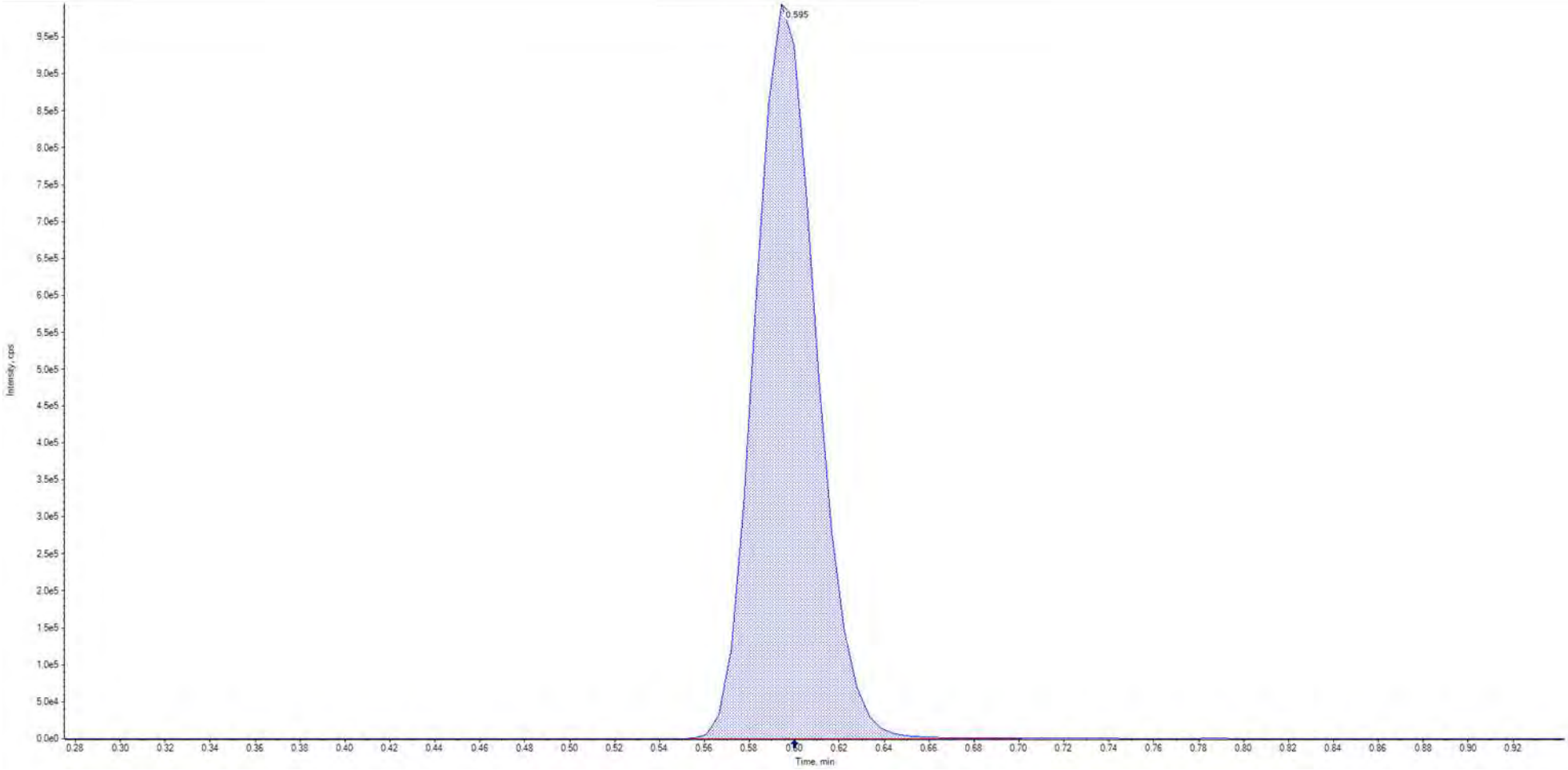
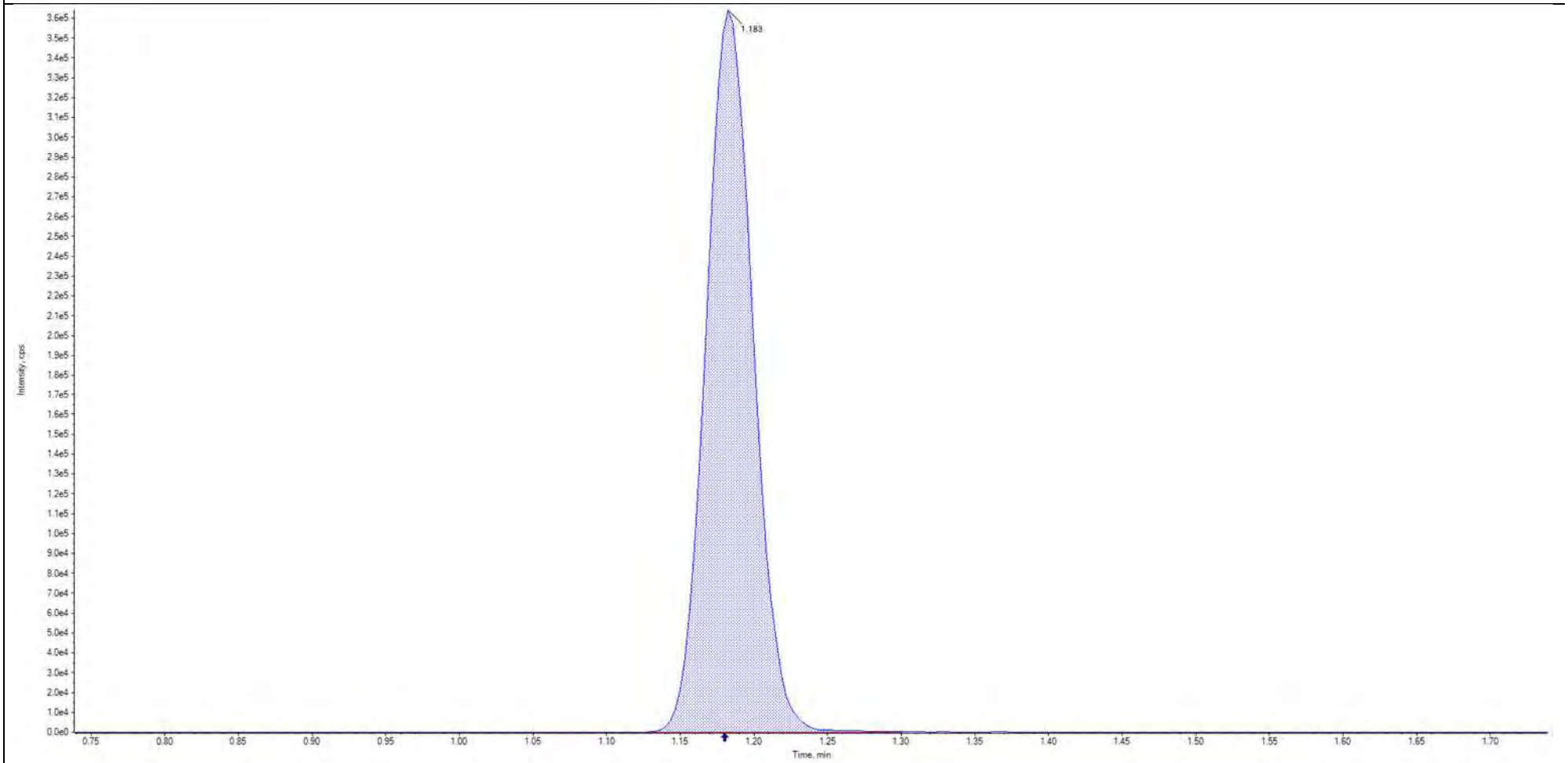
13C2-PFOA
Sample: IA1633STD-5 S/N:4722.1 Points Across peak:30



13C4-PFBA
Sample: IA1633STD-5



13C5-PFPeA
Sample: IA1633STD-5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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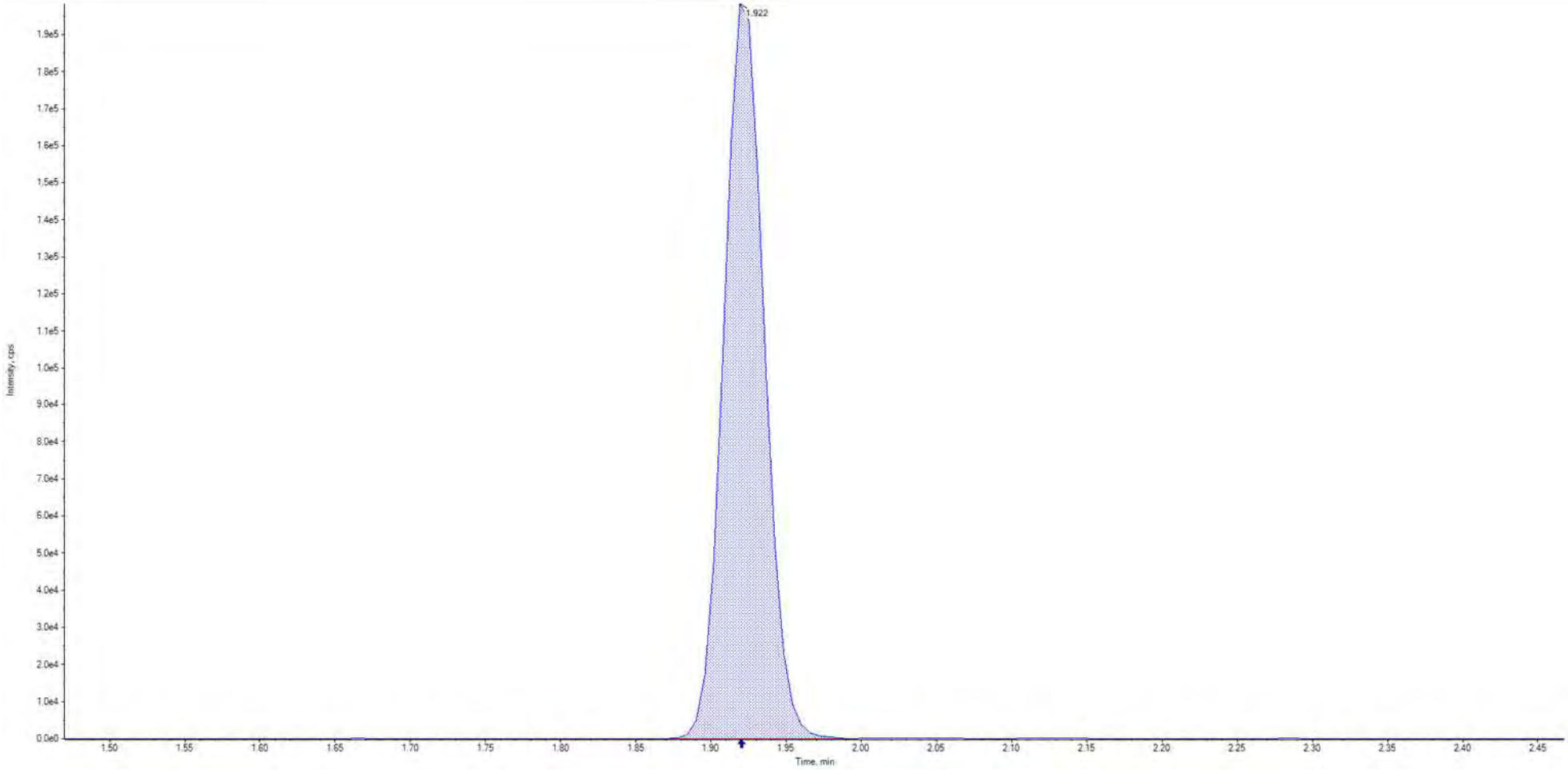
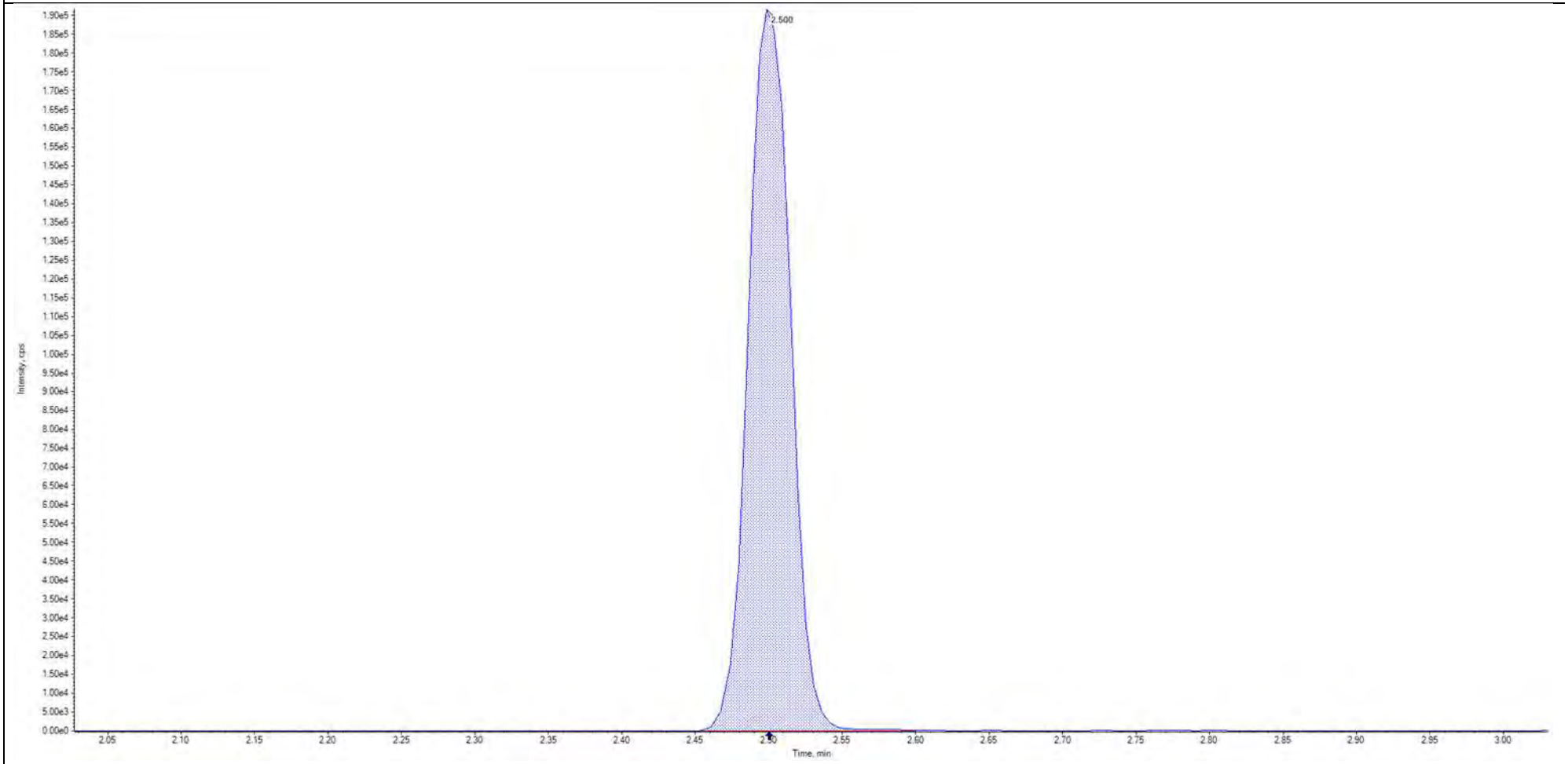
13C5-PFHxA
Sample: IA1633STD-5



13C4-PFHpA
Sample: IA1633STD-5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
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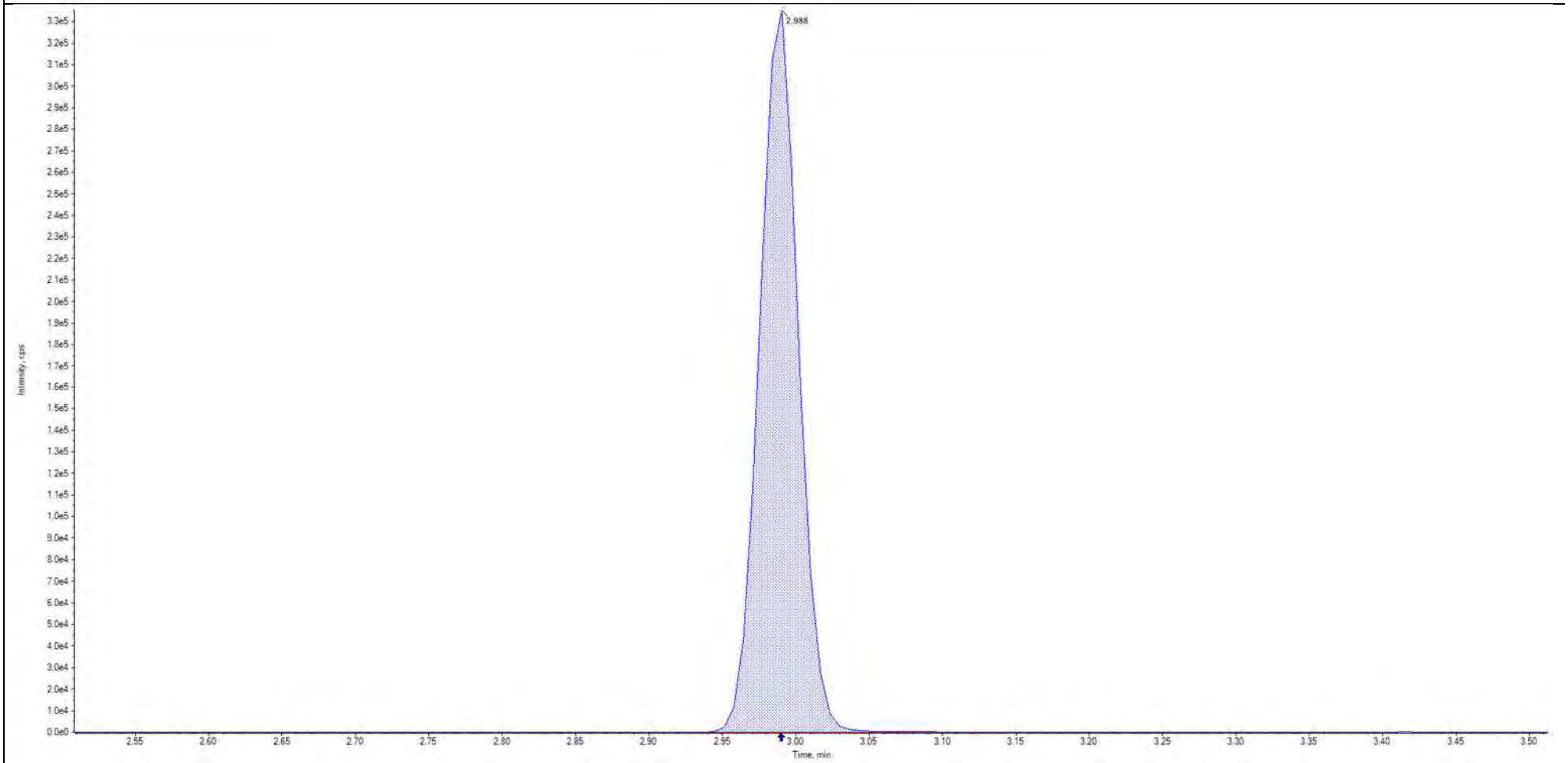
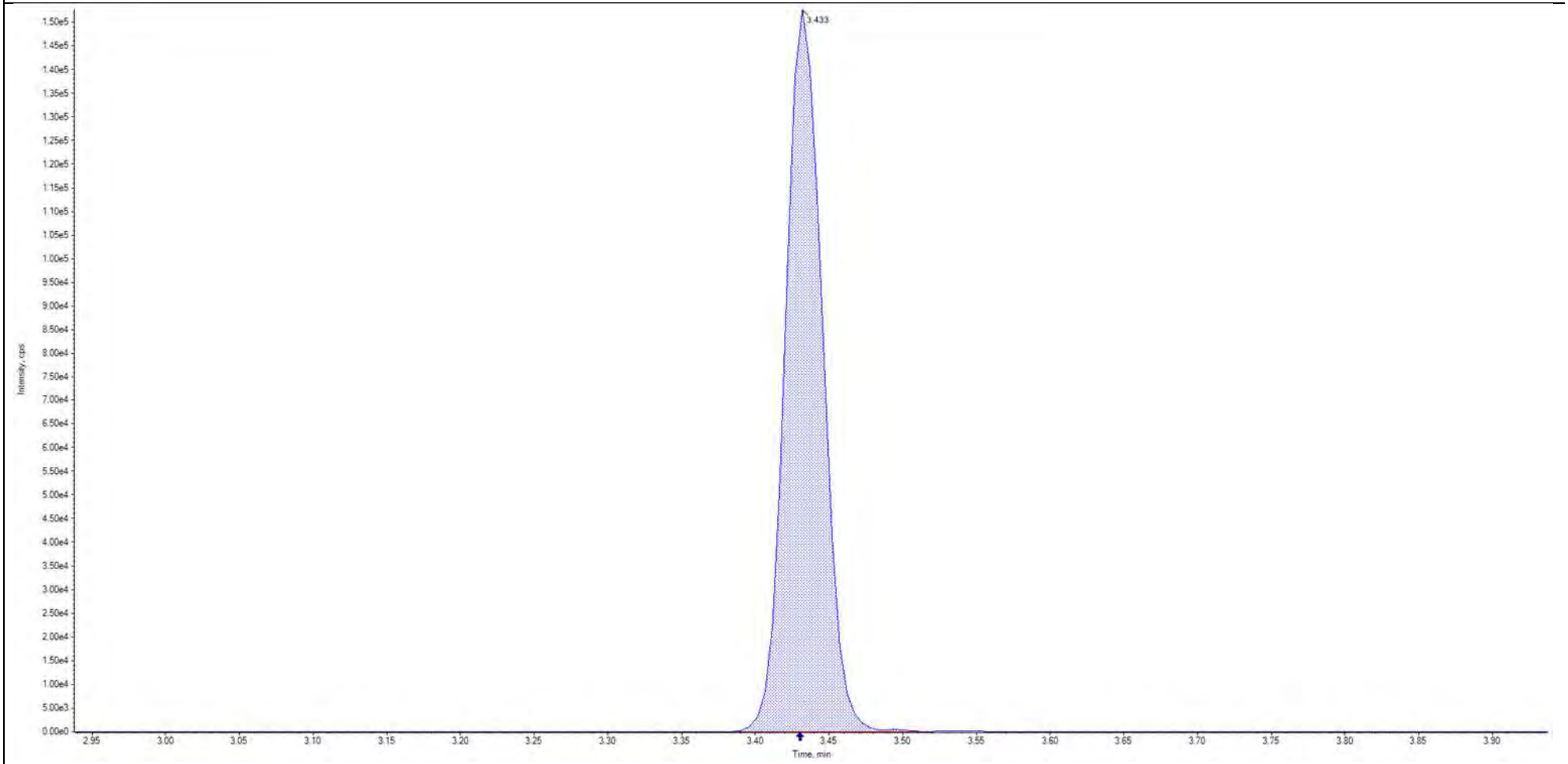
Generated: 3/3/2025 3:16:24 PM

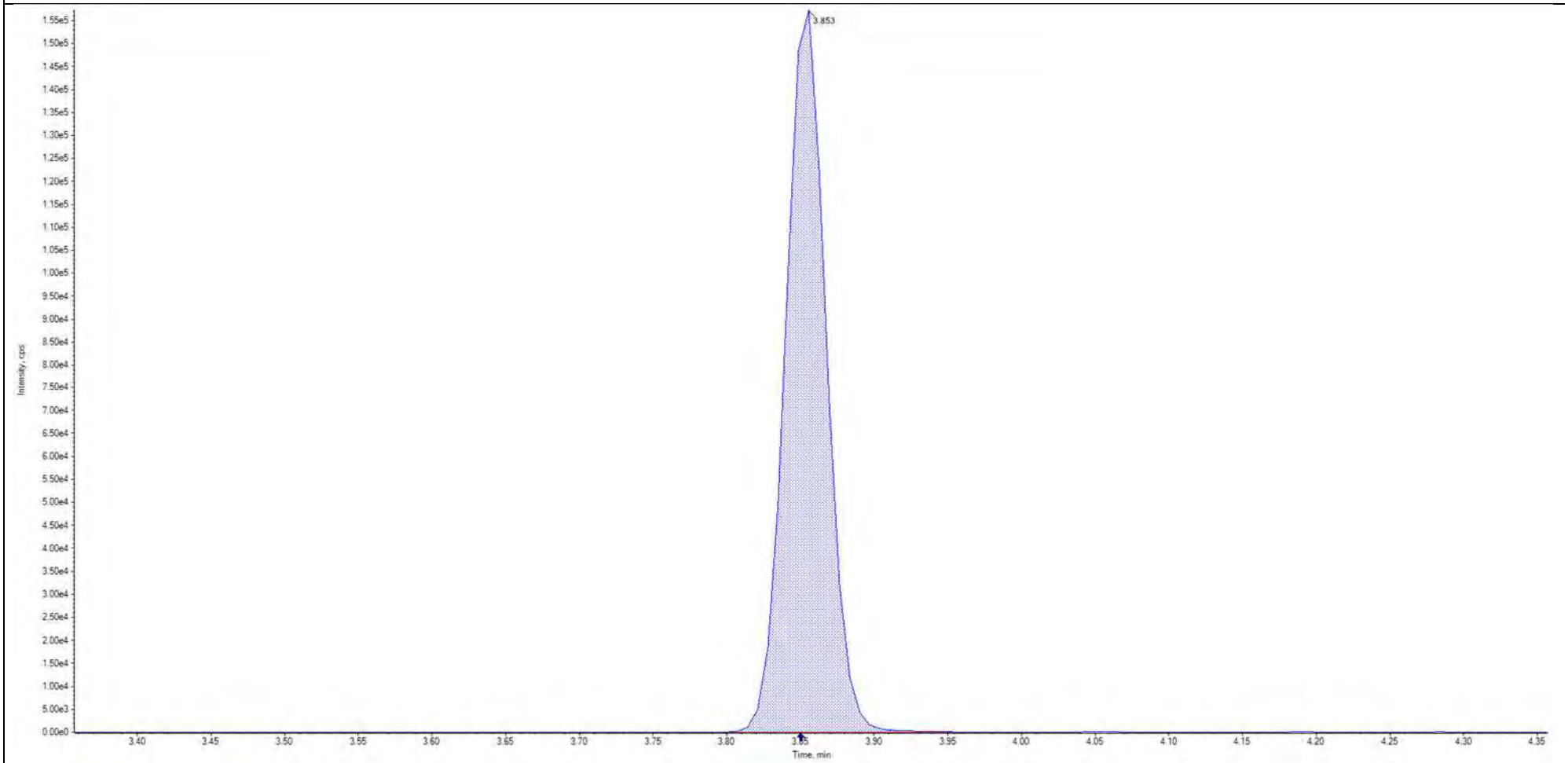
13C8-PFOA
Sample: IA1633STD-5



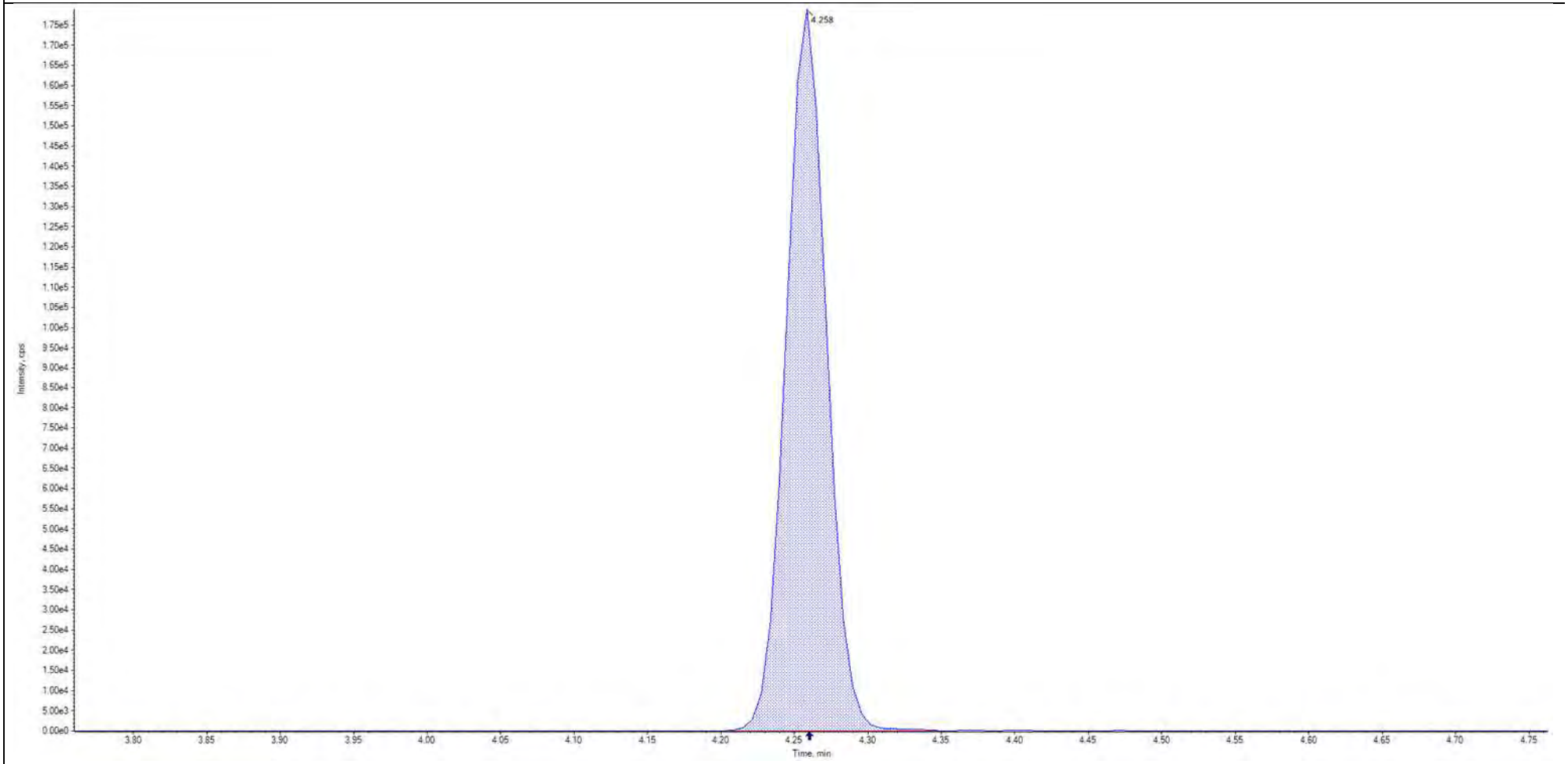
13C9-PFNA
Sample: IA1633STD-5



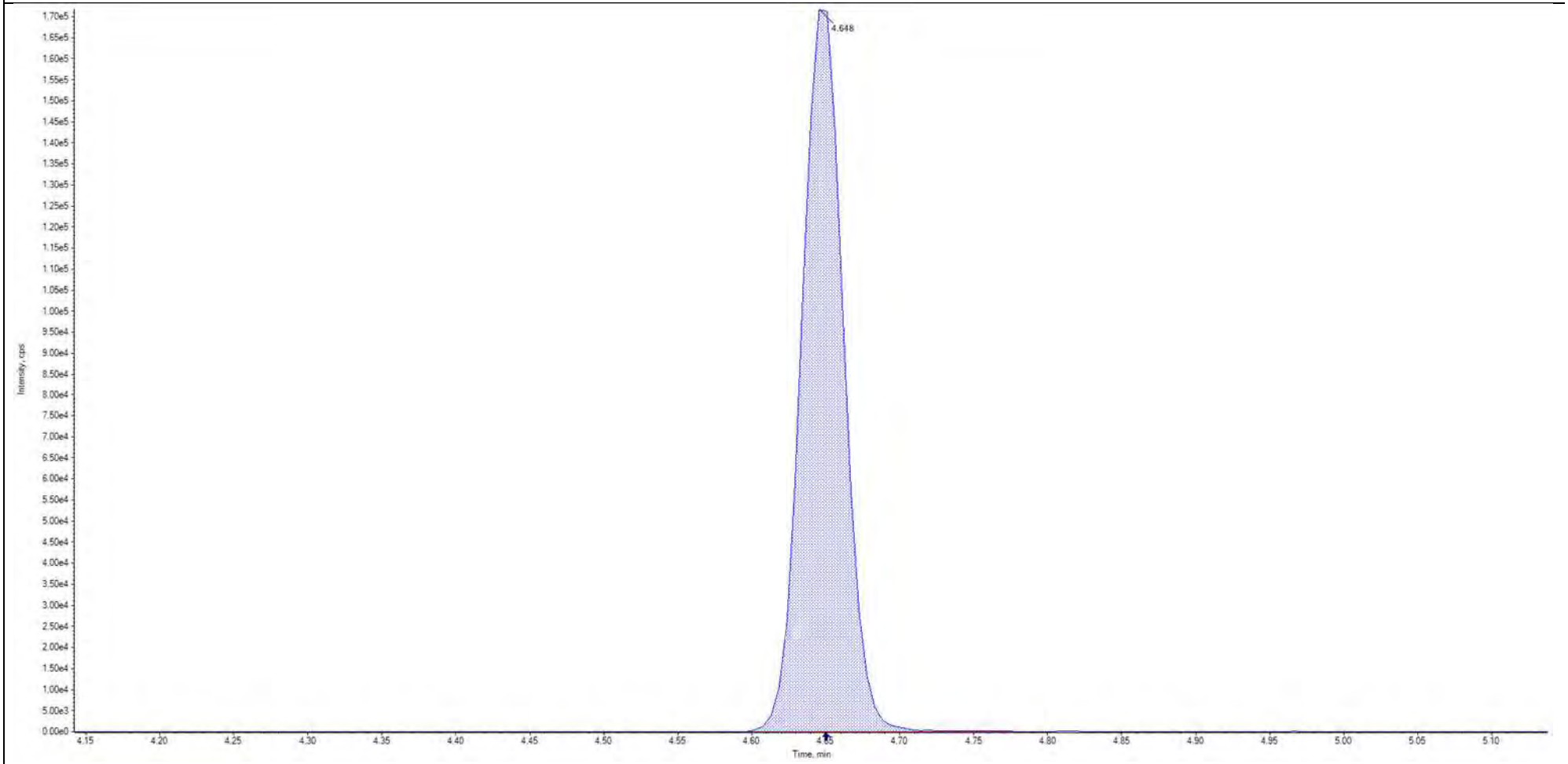
13C6-PFDA
Sample: IA1633STD-5



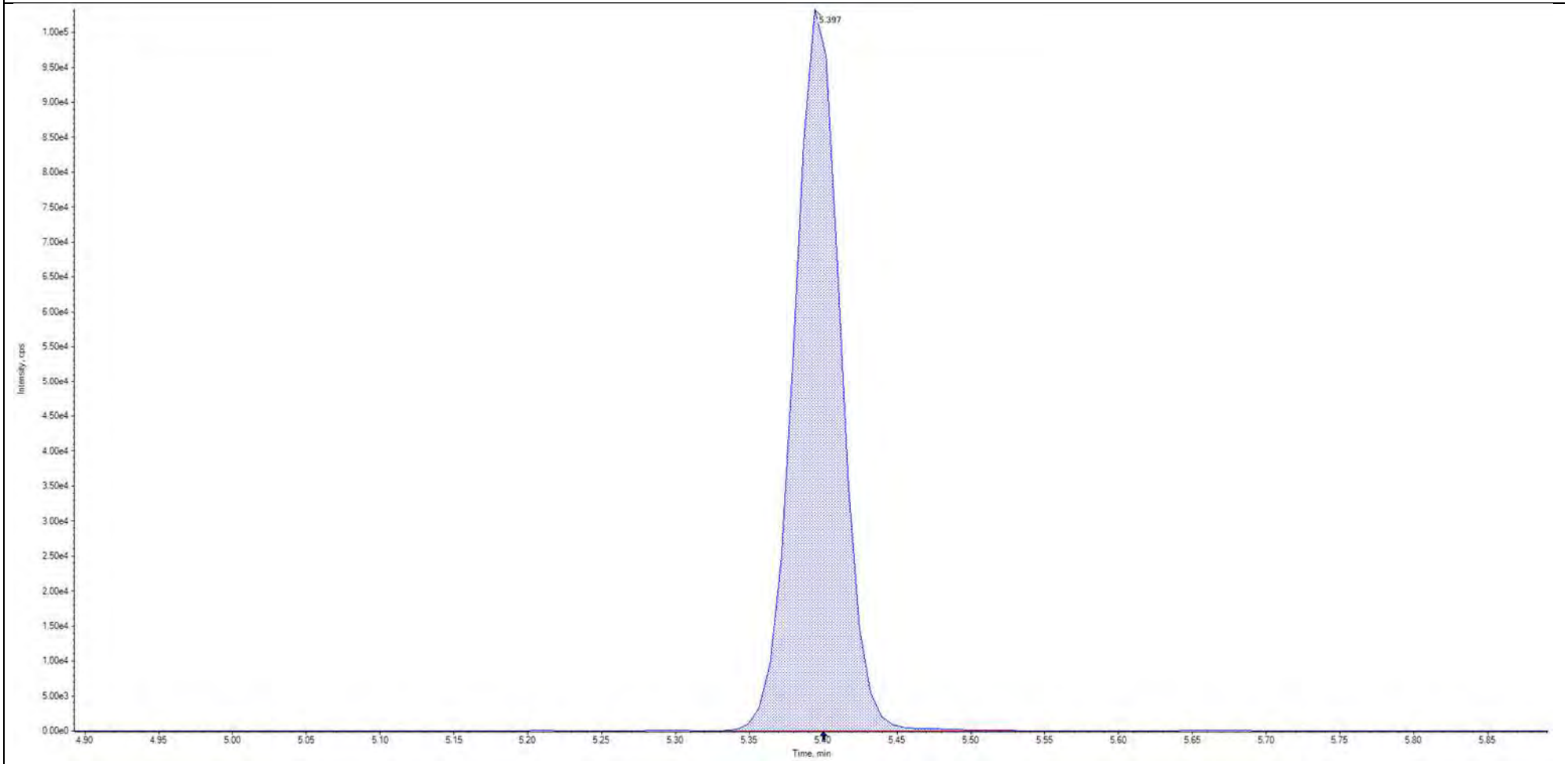
13C7-PFUnA
Sample: IA1633STD-5



13C2-PFDoA
Sample: IA1633STD-5



13C2-PFTeDA
Sample: IA1633STD-5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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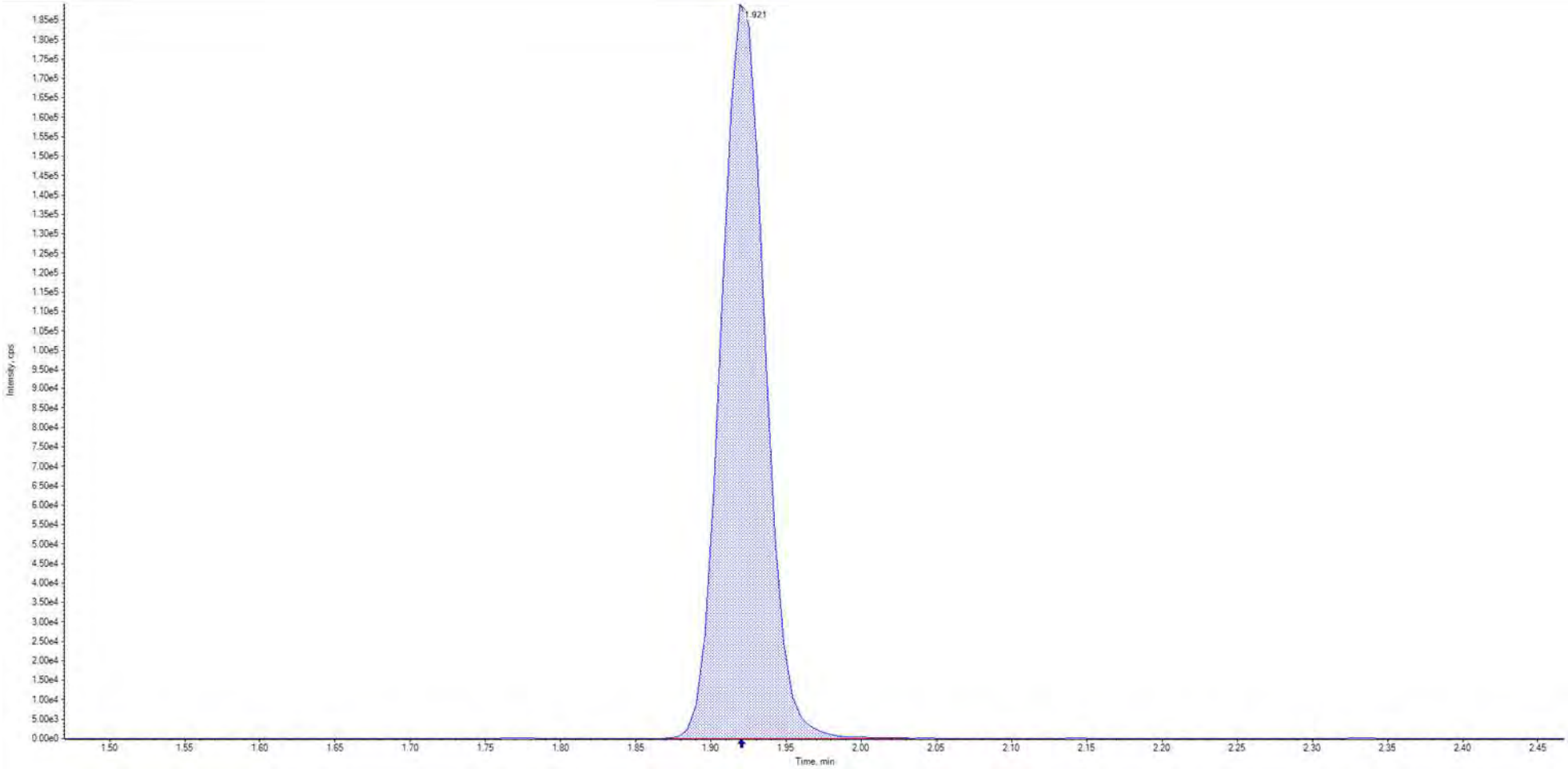
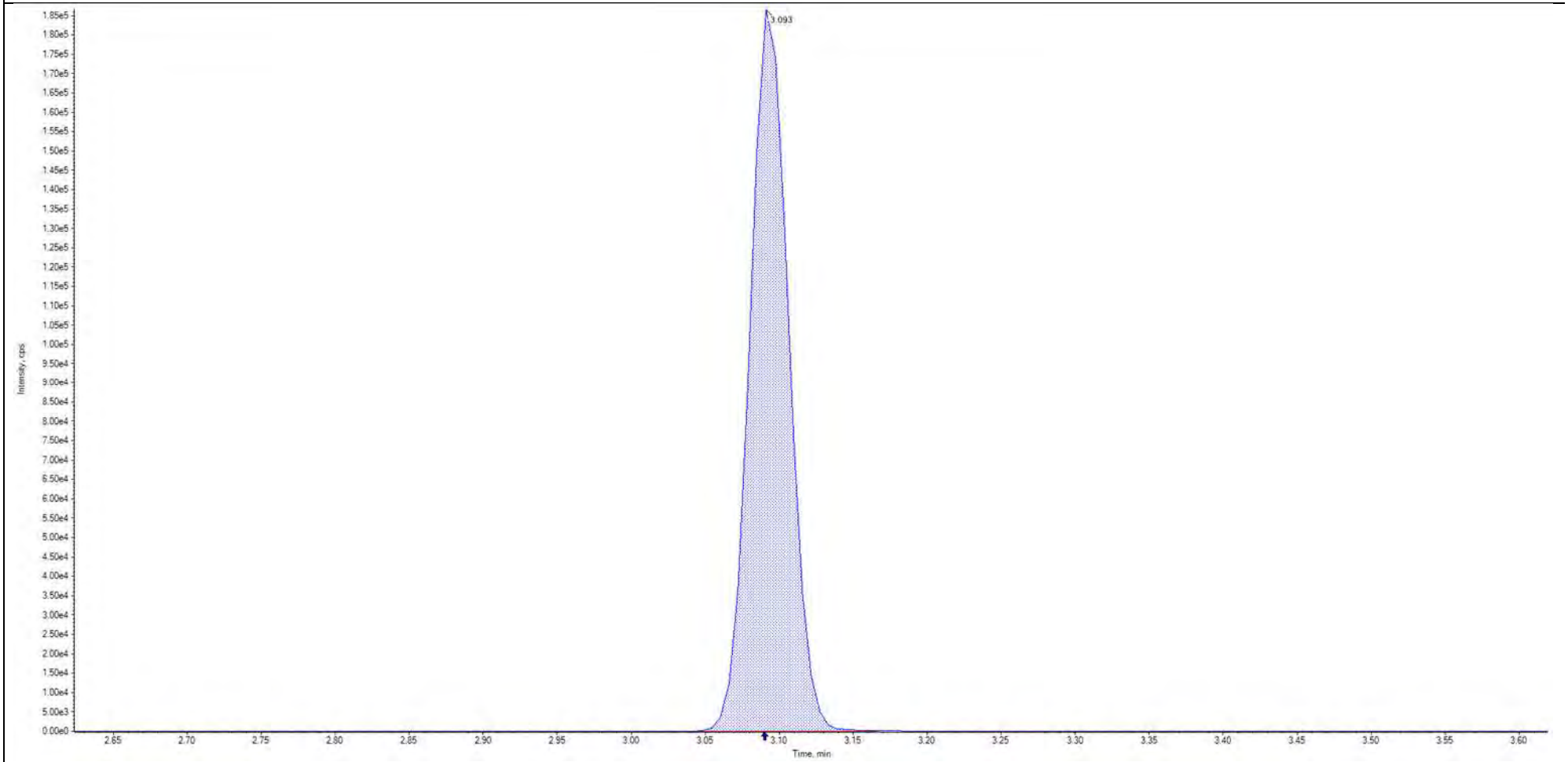
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

13C3-PFBS
Sample: IA1633STD-5

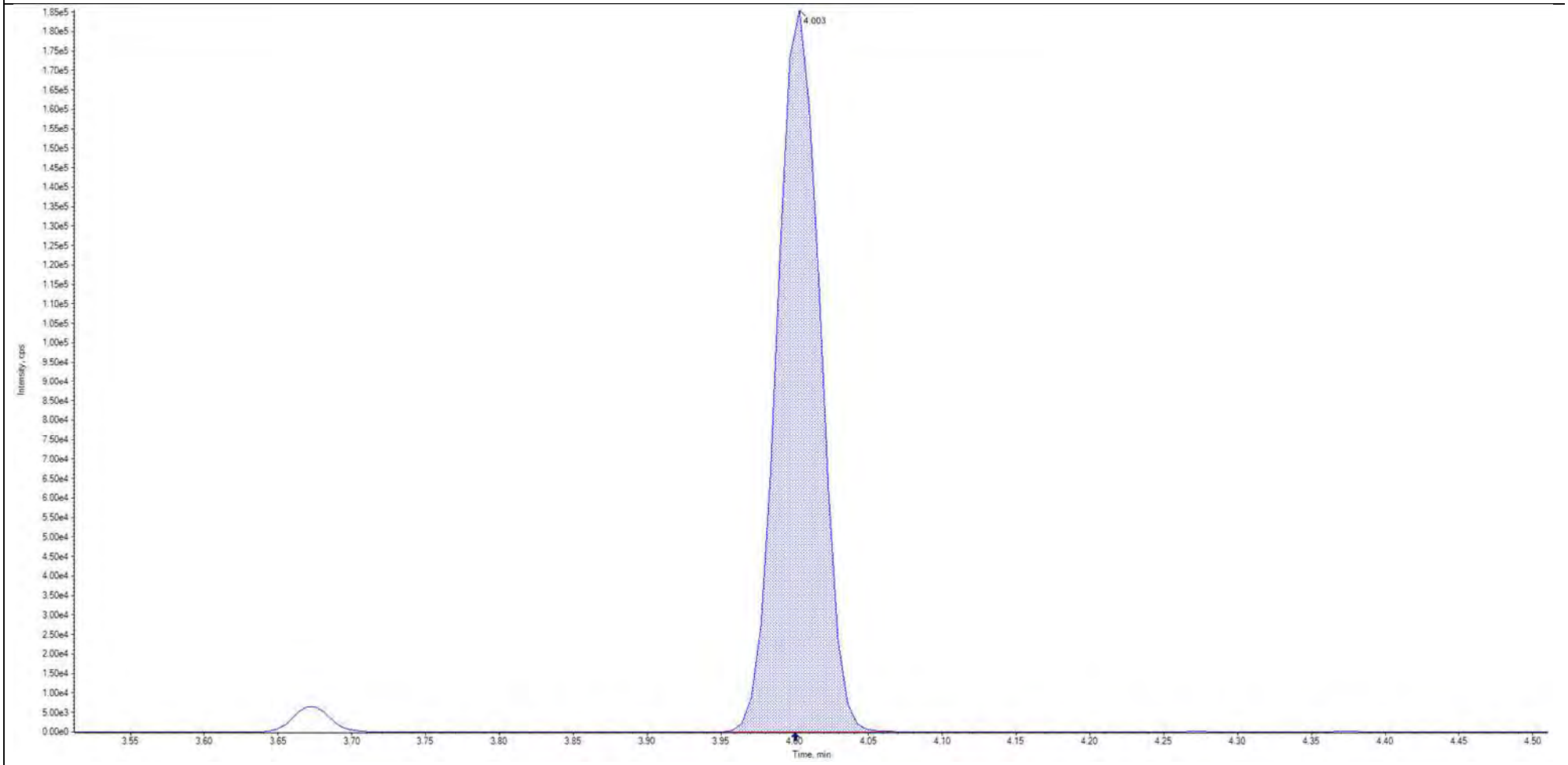


13C3-PFHxS
Sample: IA1633STD-5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

13C8-PFOS
Sample: IA1633STD-5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
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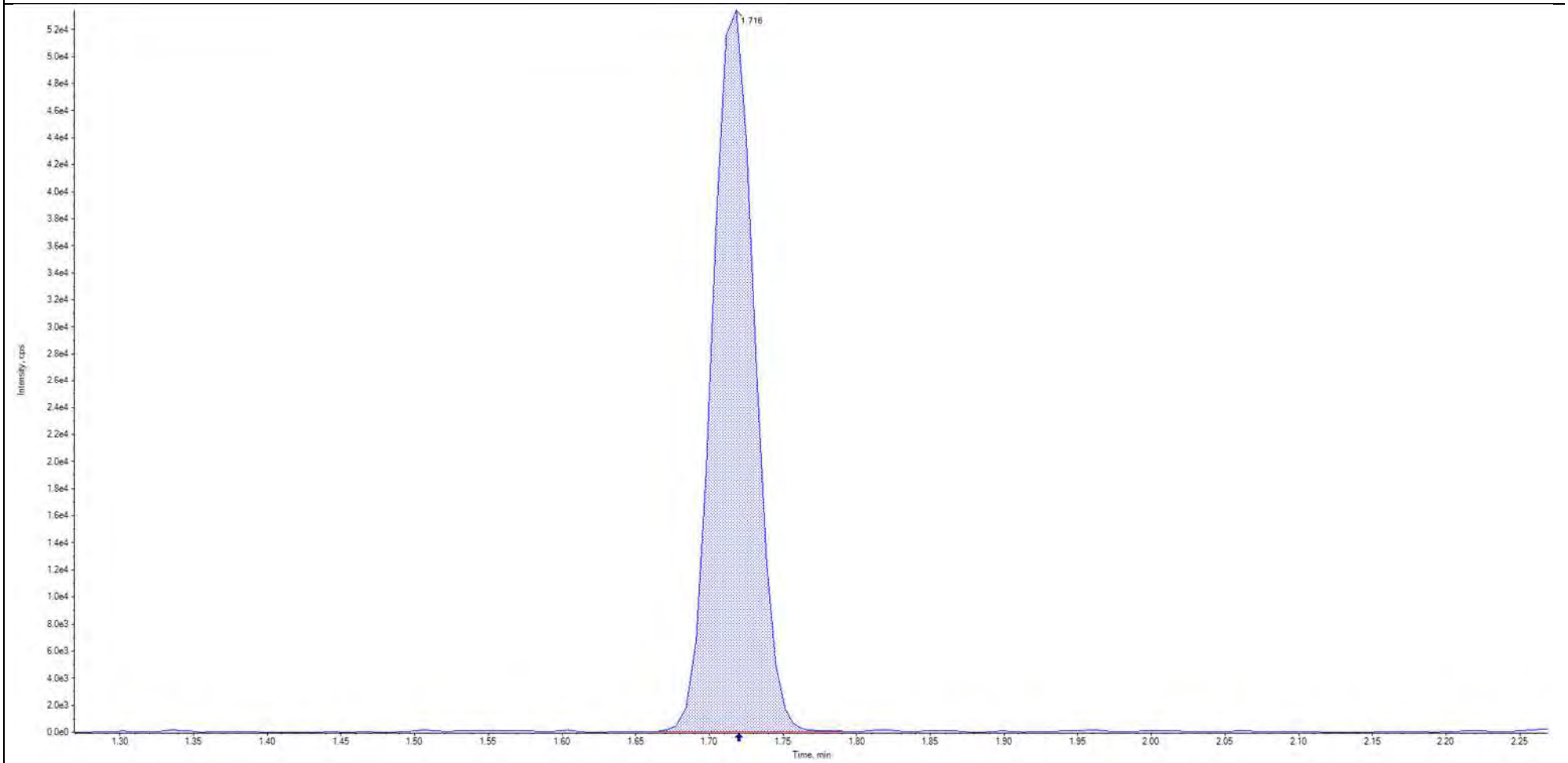
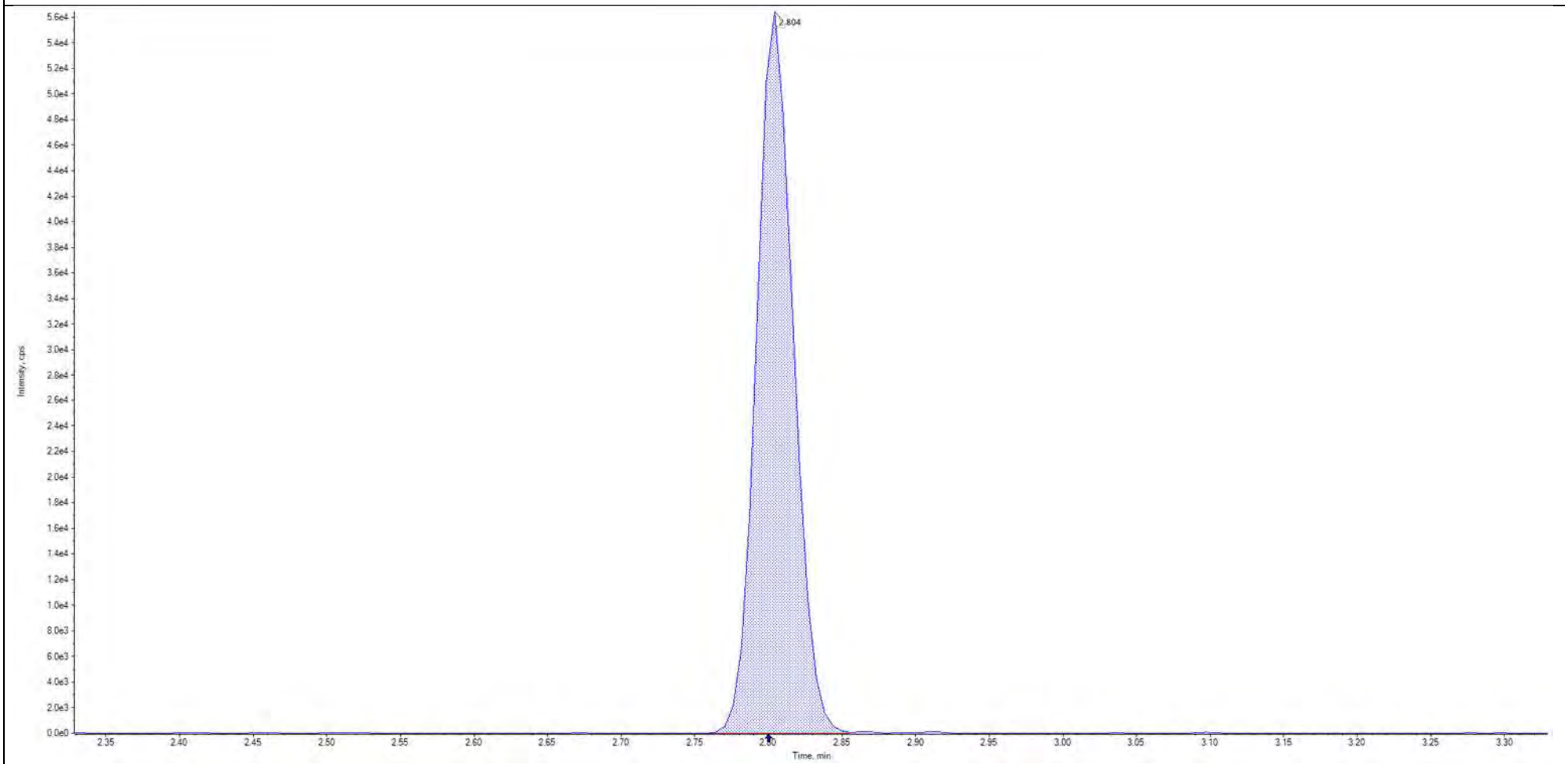
Generated: 3/3/2025 3:16:24 PM

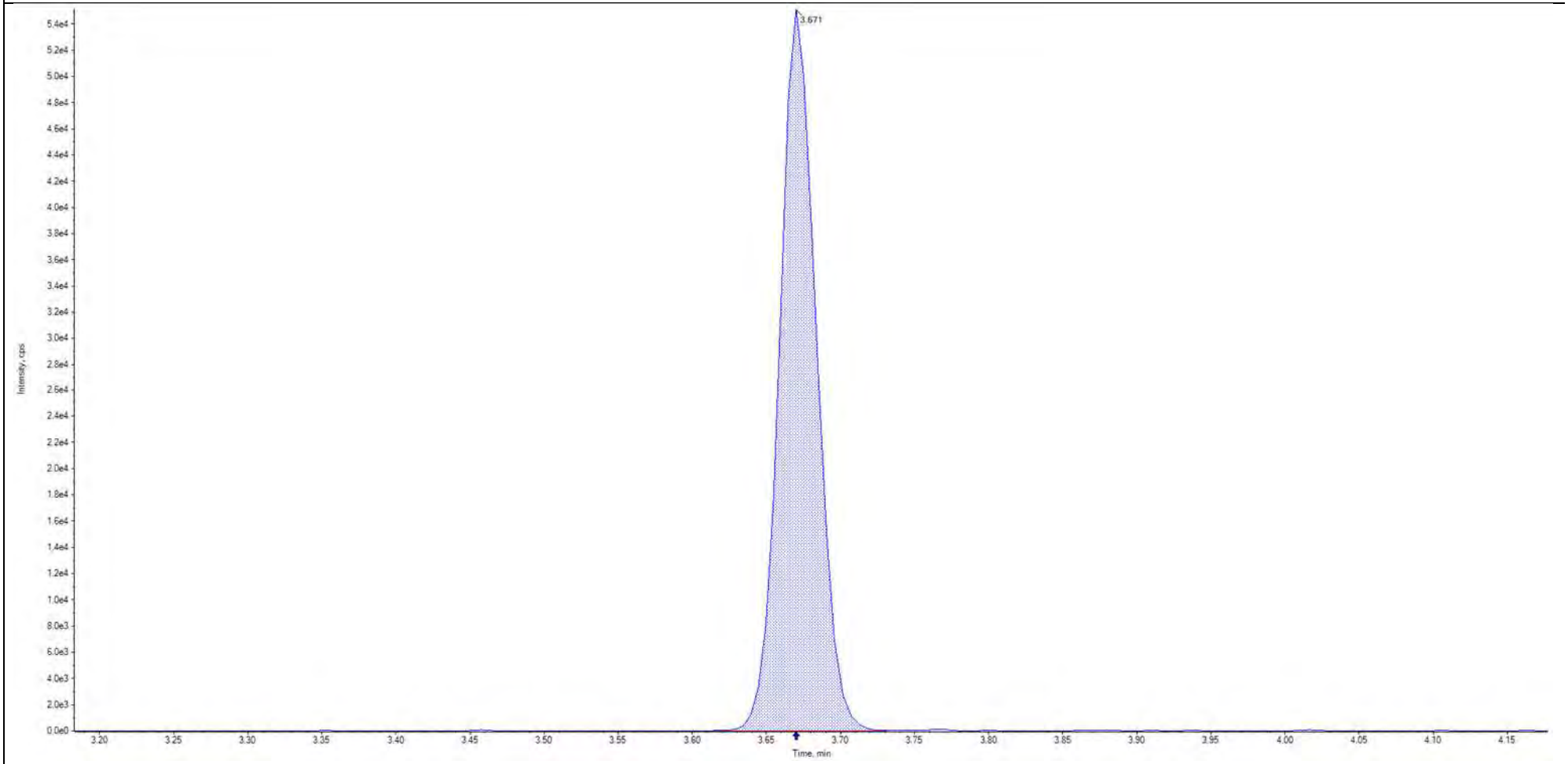
13C2-4:2FTS
Sample: IA1633STD-5



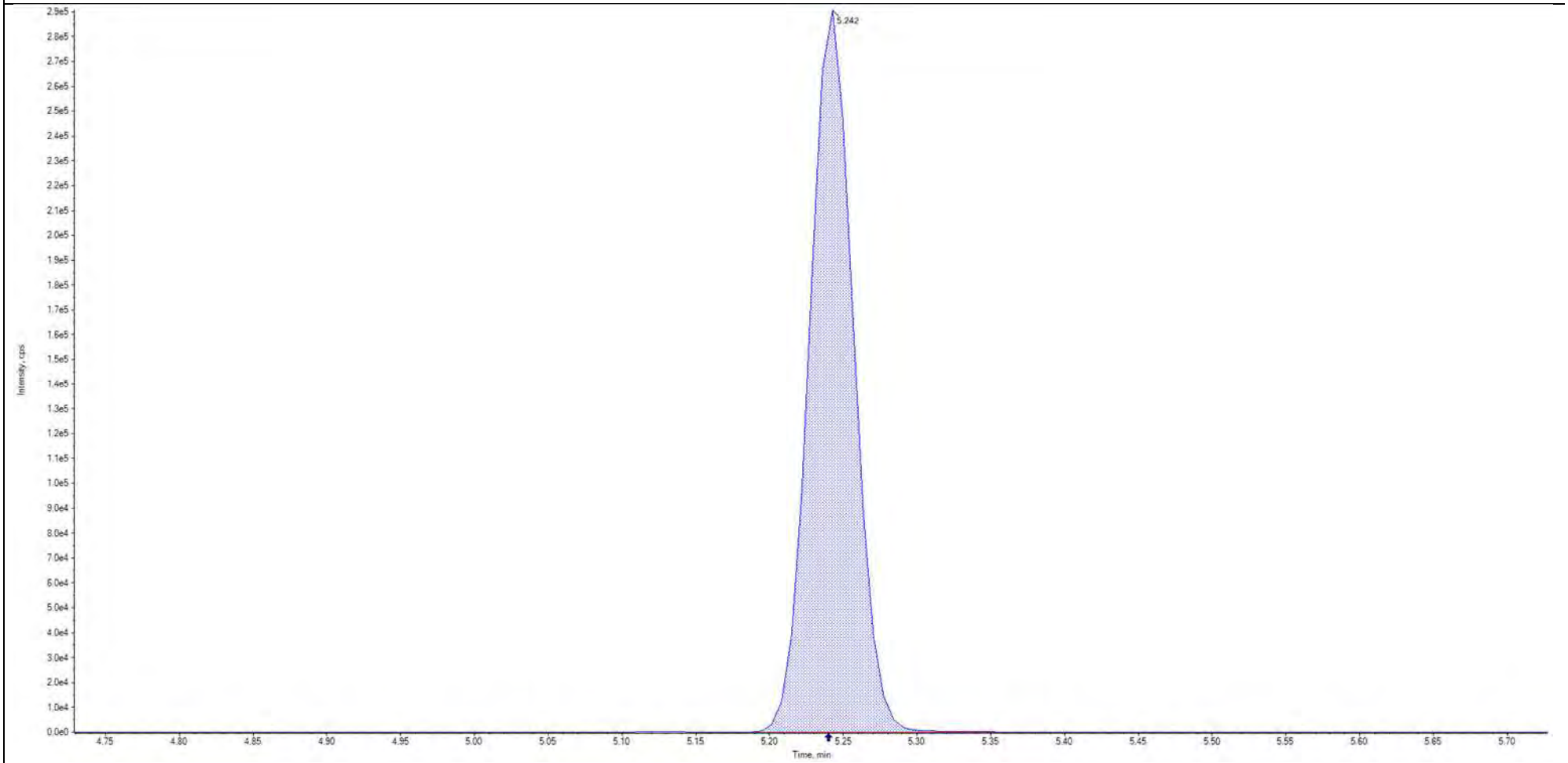
13C2-6:2FTS
Sample: IA1633STD-5



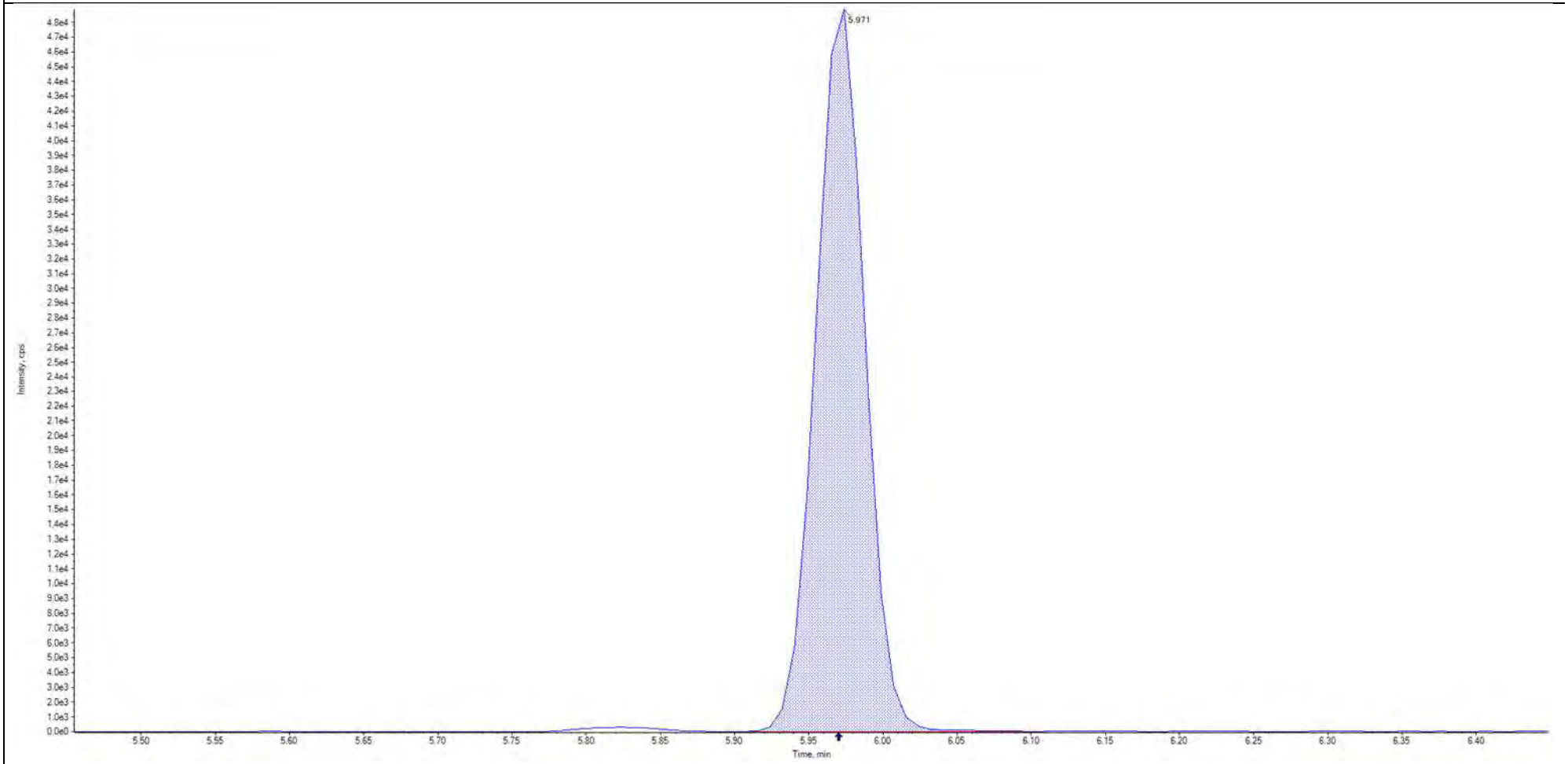
13C2-8:2FTS
Sample: IA1633STD-5



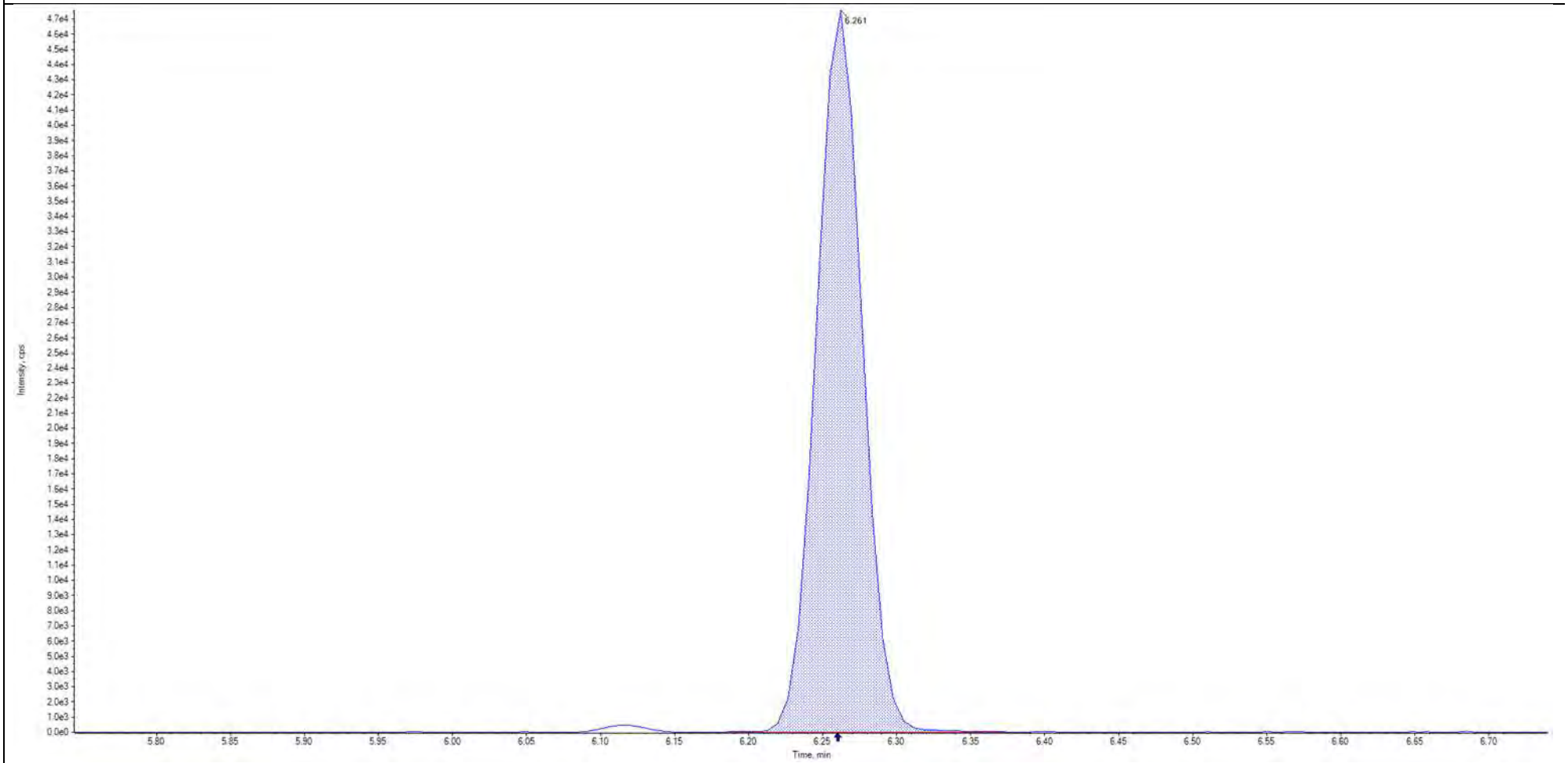
13C8-PFOSA
Sample: IA1633STD-5



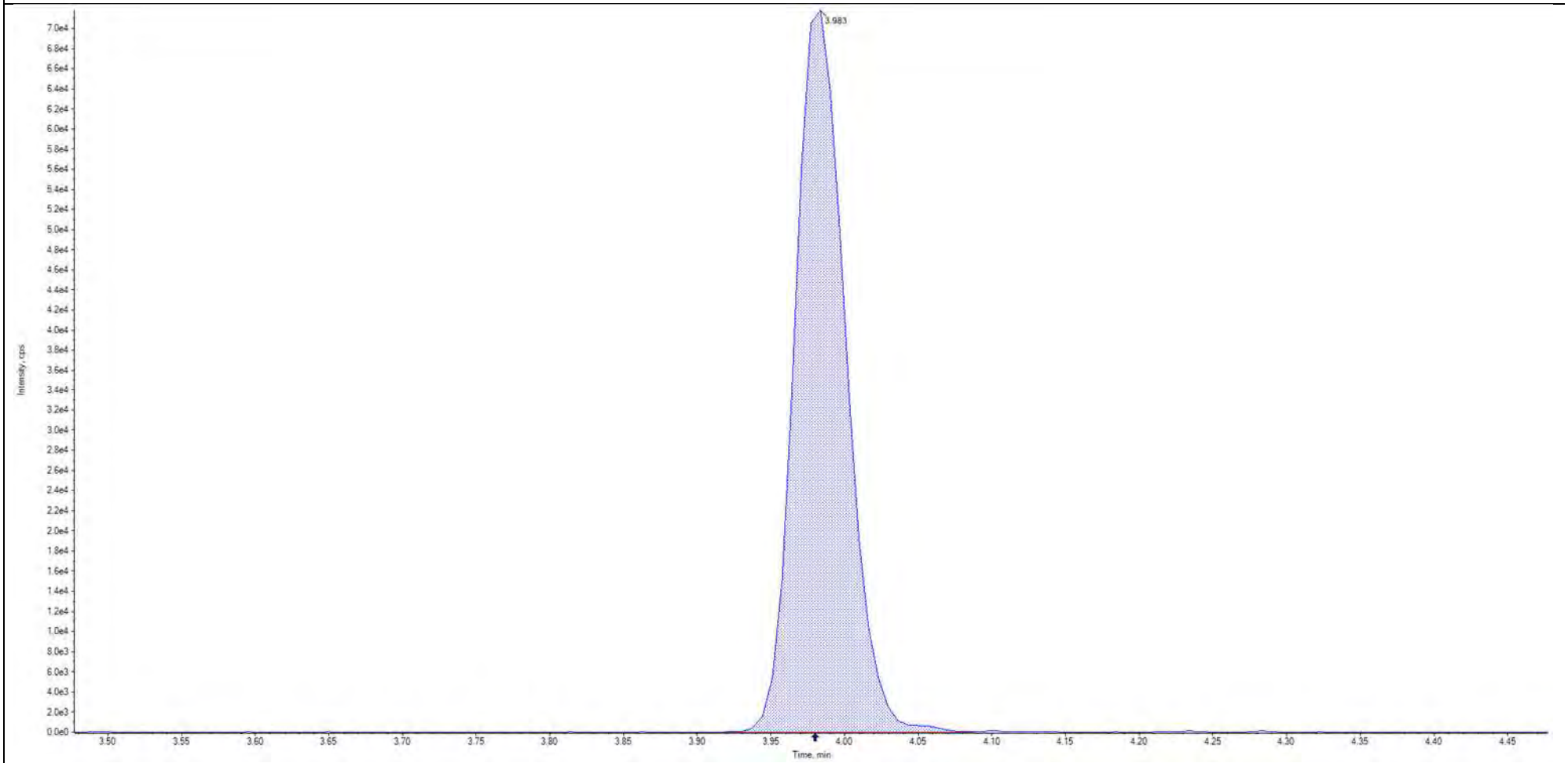
d3-NMeFOSA
Sample: IA1633STD-5



d5-NEtFOSA
Sample: IA1633STD-5



d3-NMeFOSAA
Sample: IA1633STD-5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
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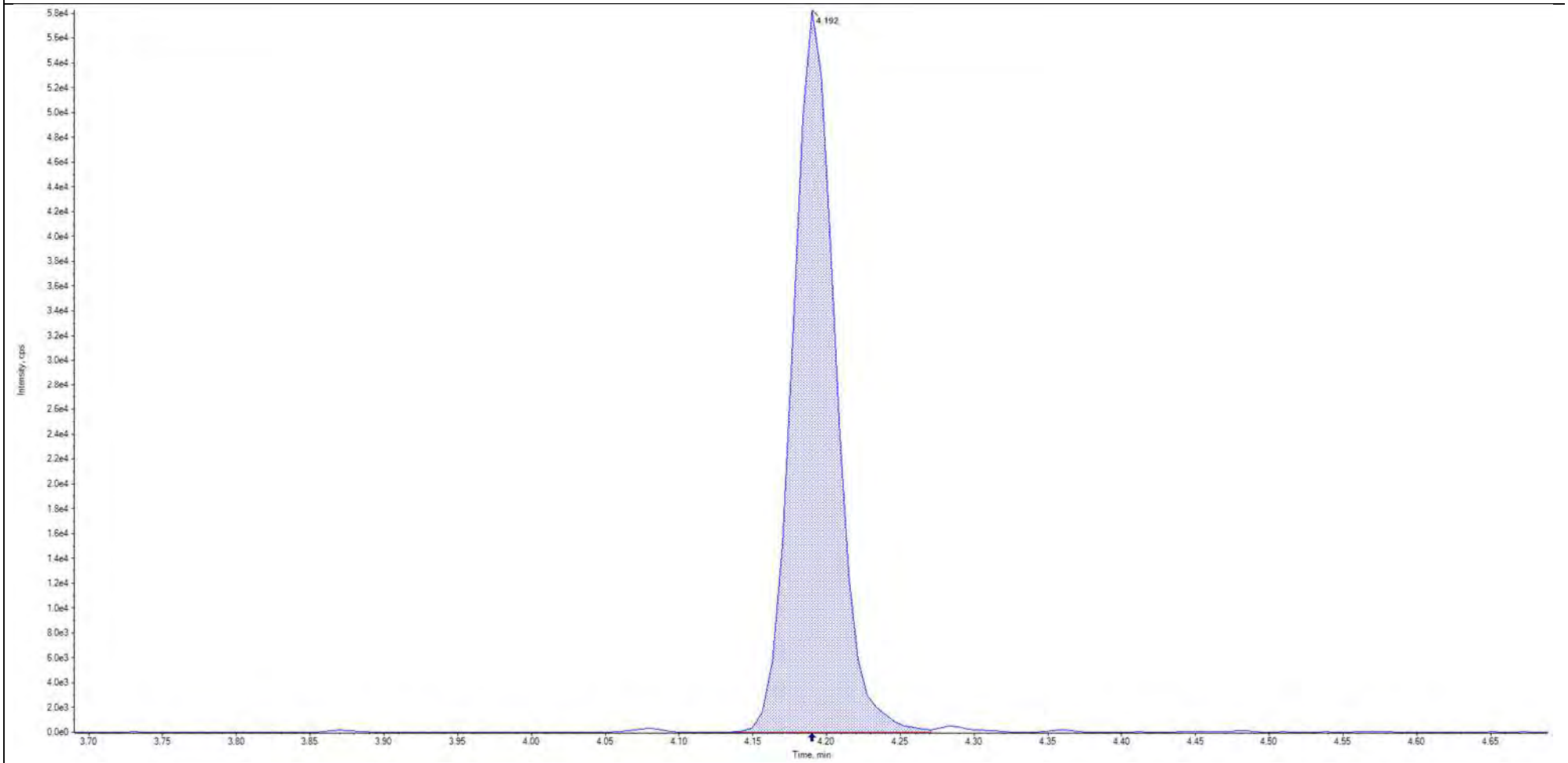
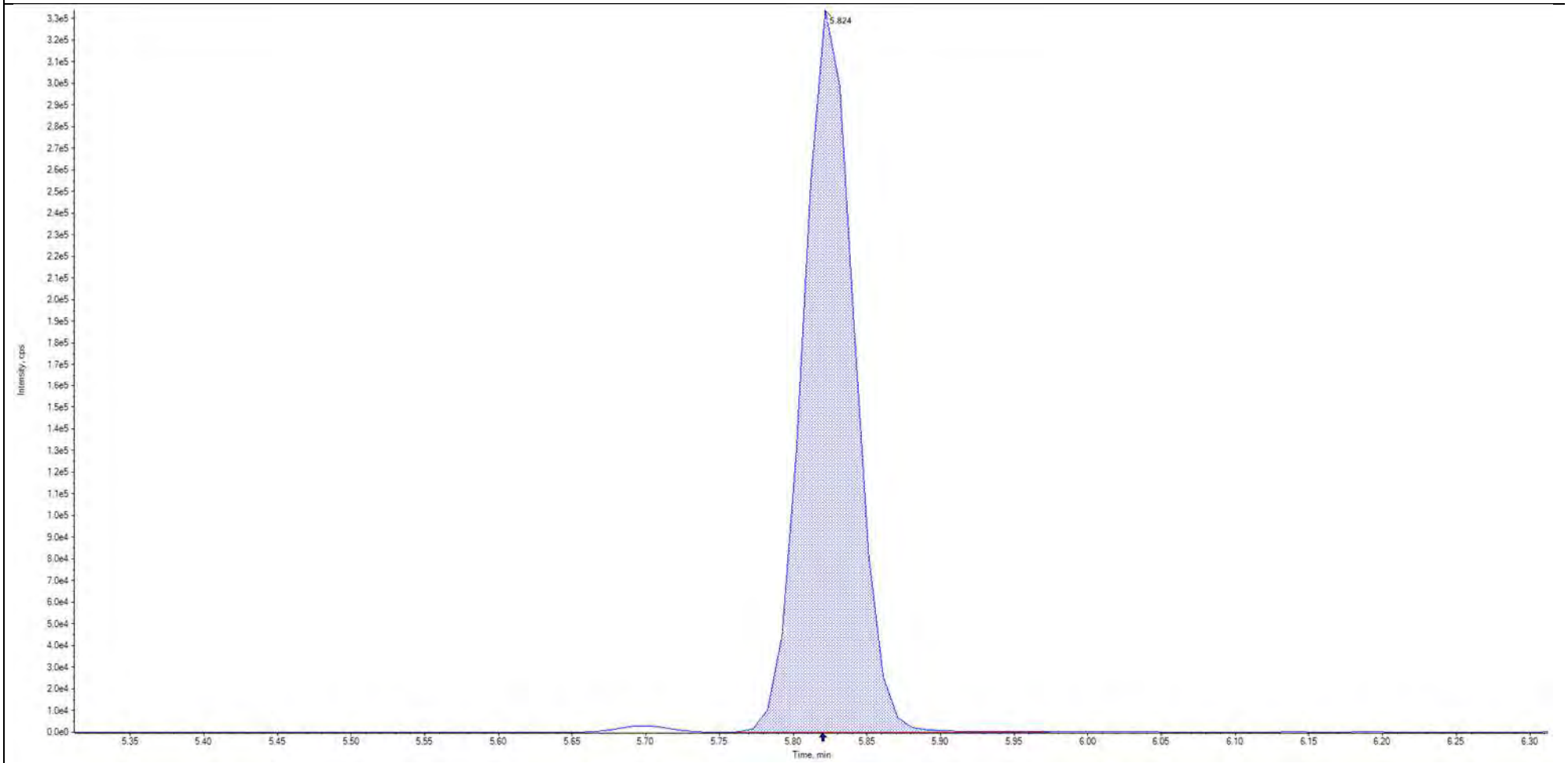
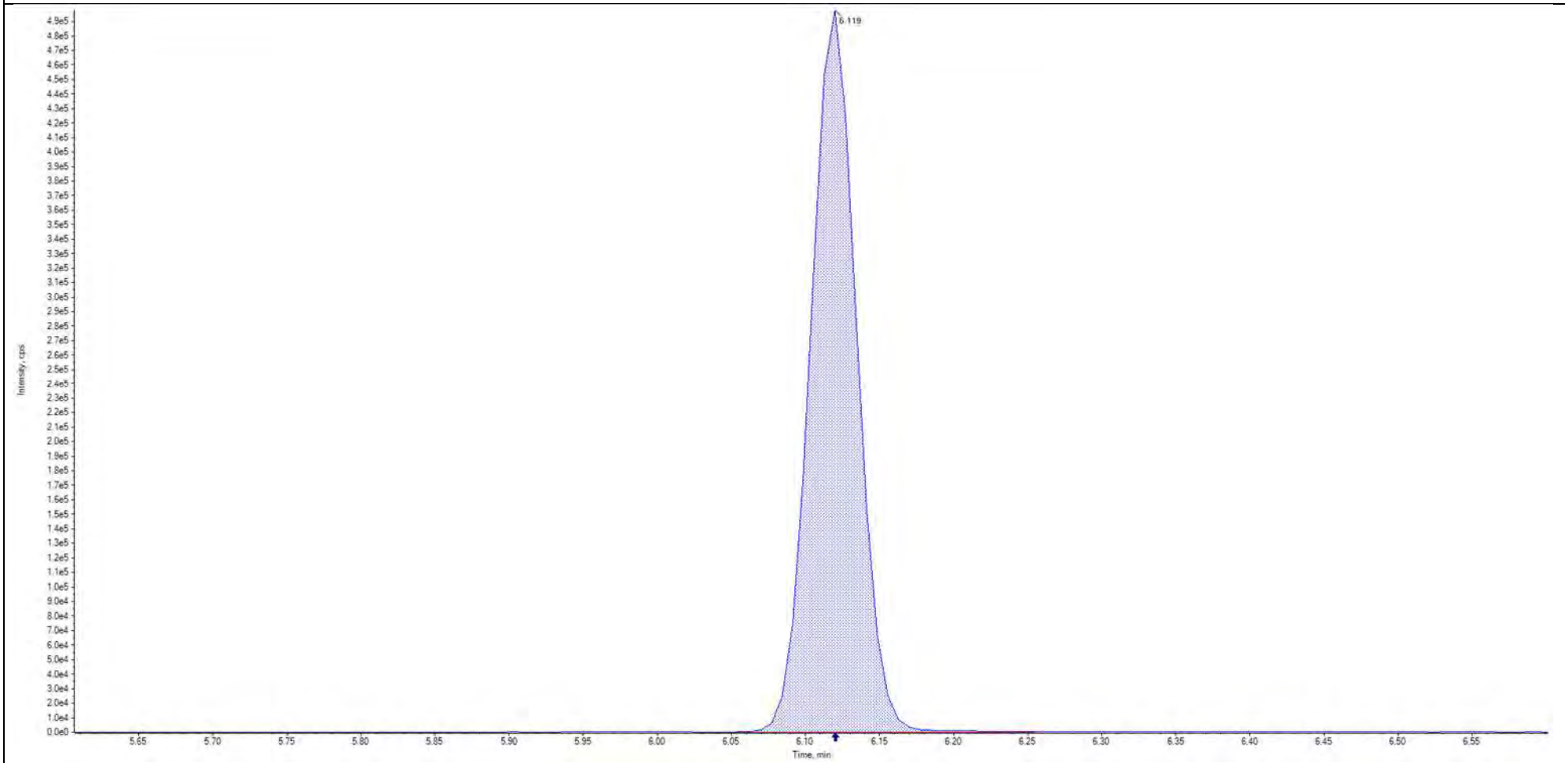
d5-NEtFOSAA
Sample: IA1633STD-5



d7-NMeFOSE
Sample: IA1633STD-5



d9-NEtFOSE
Sample: IA1633STD-5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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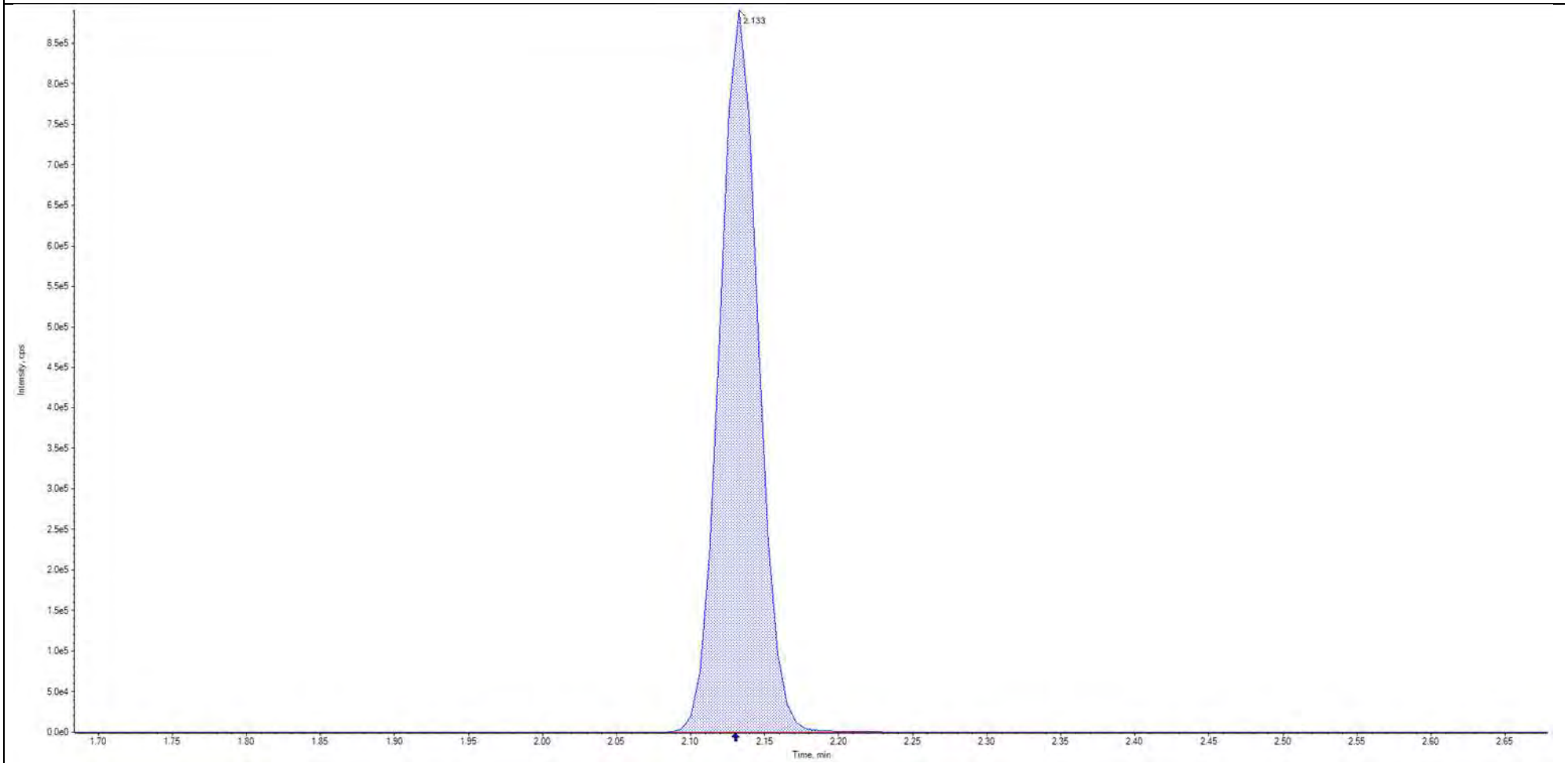
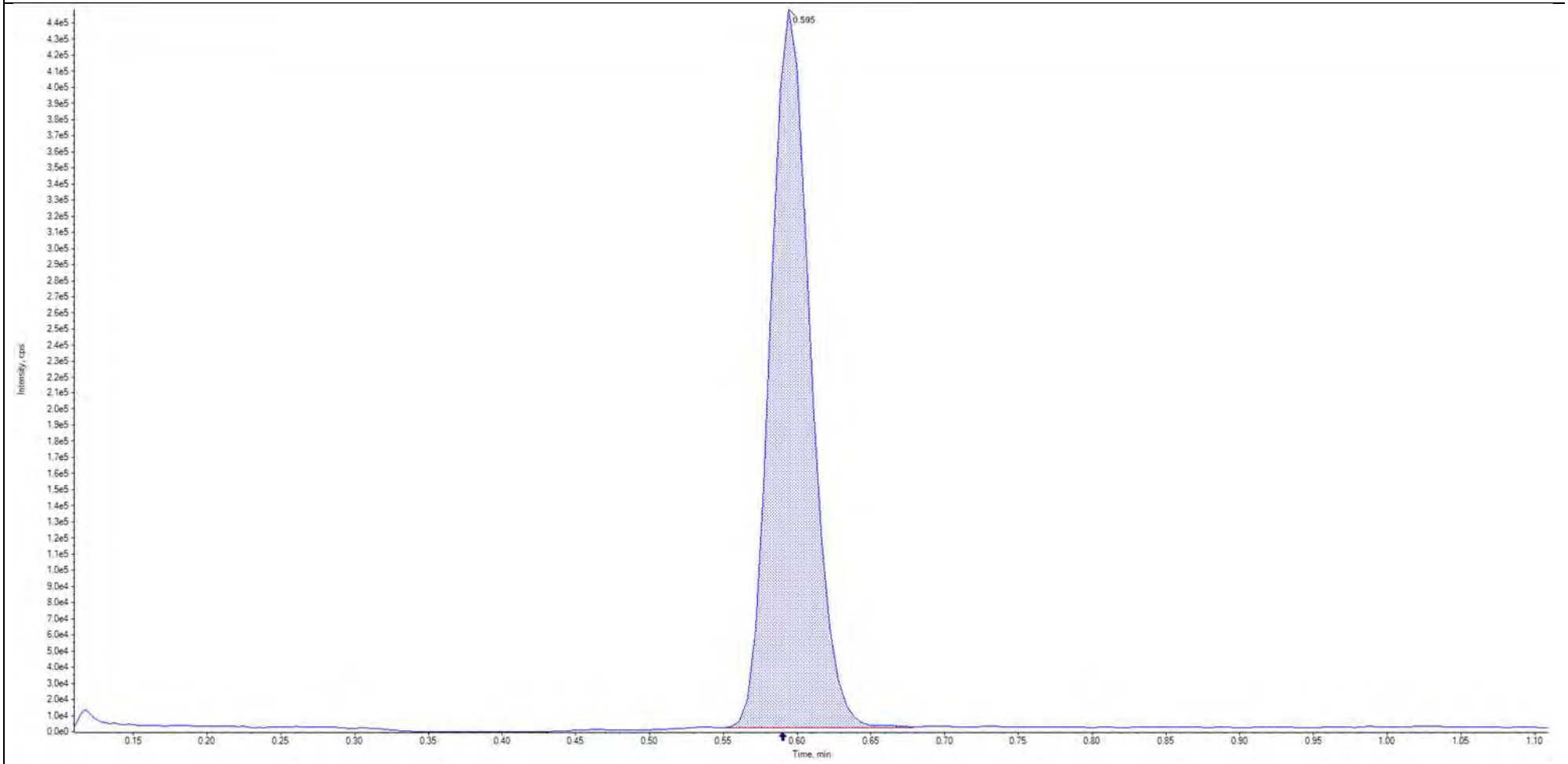
Generated: 3/3/2025 3:16:24 PM

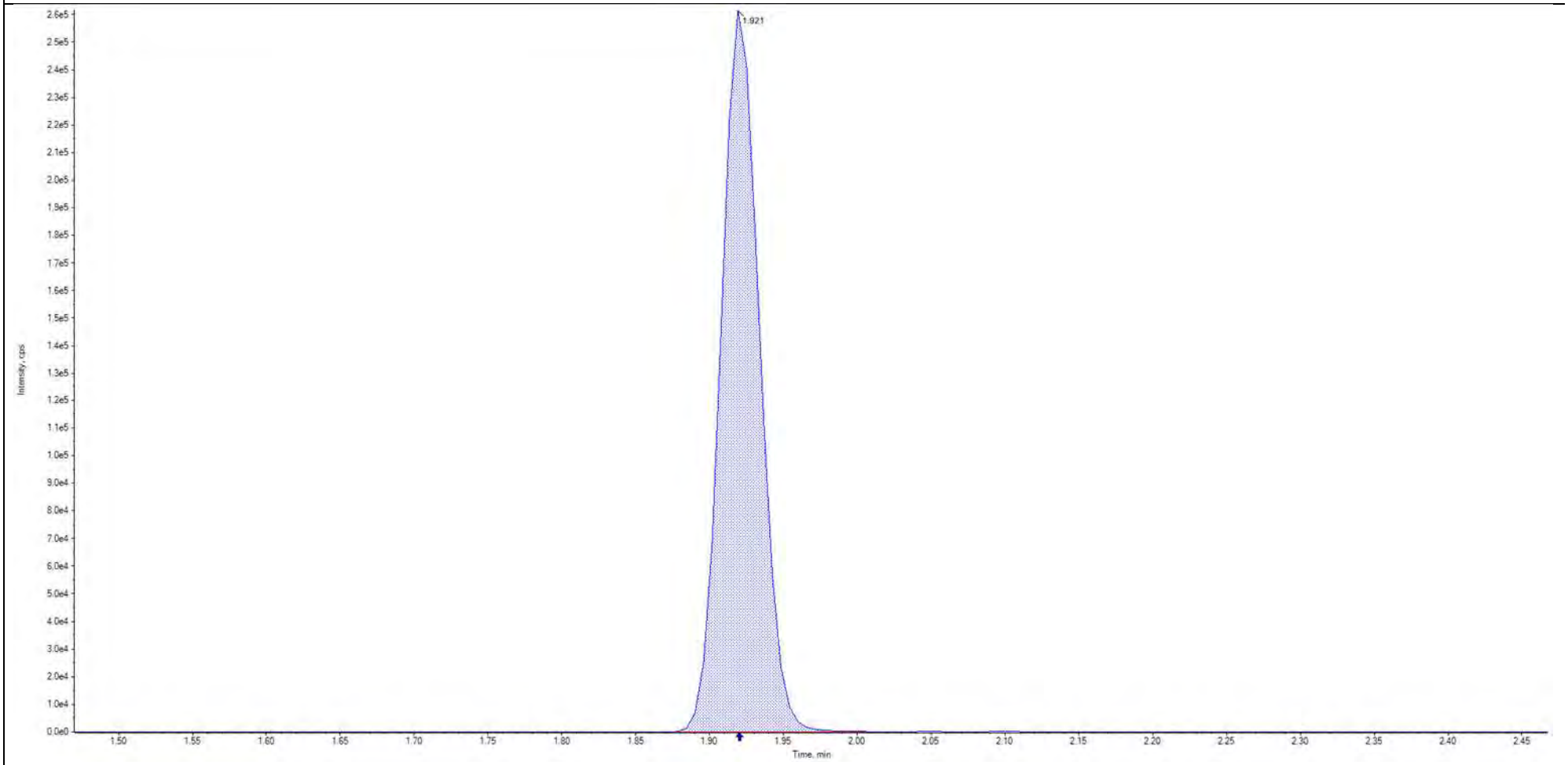
13C3-HFPO-DA
Sample: IA1633STD-5



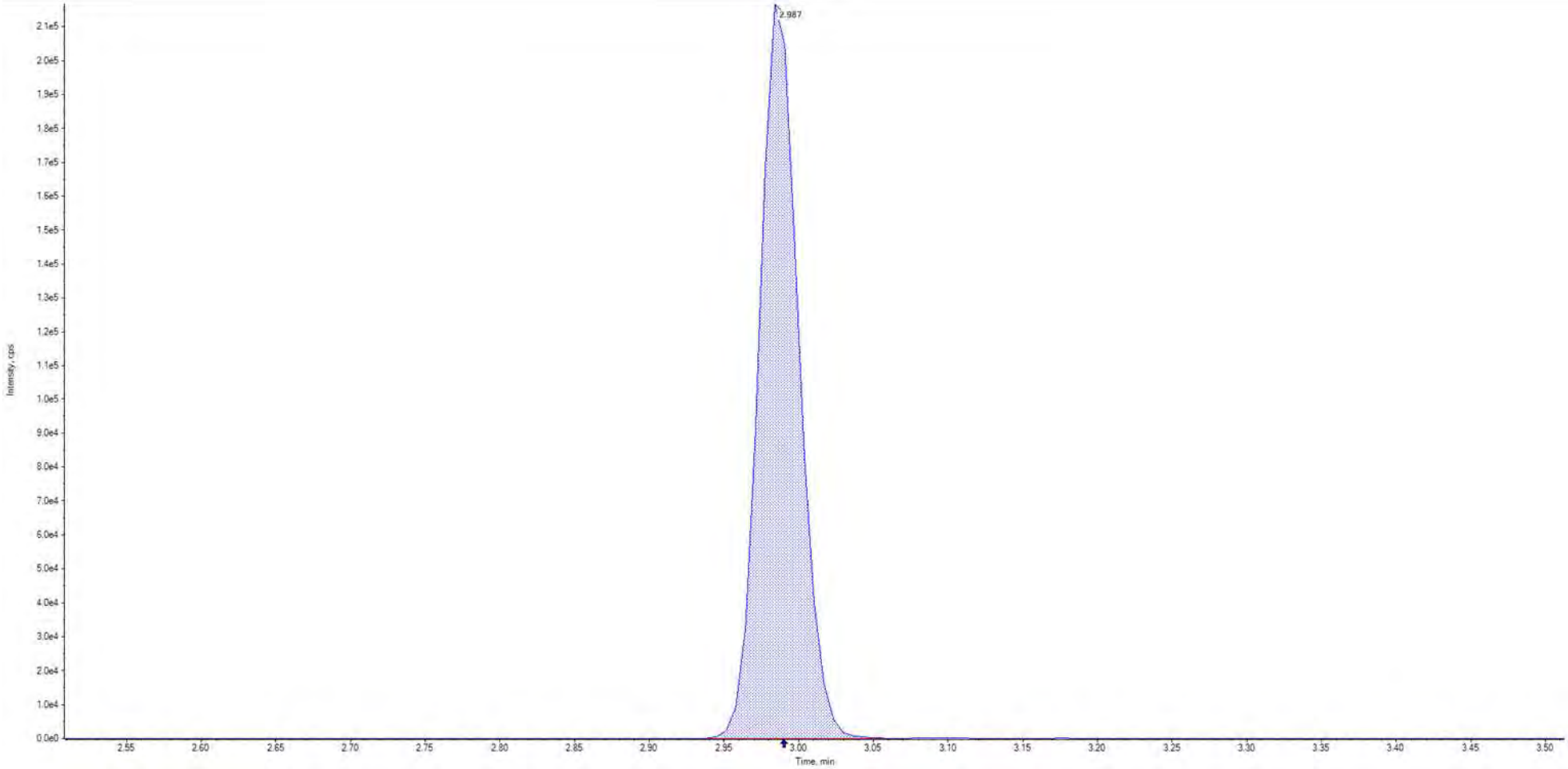
13C3-PFBA
Sample: IA1633STD-5



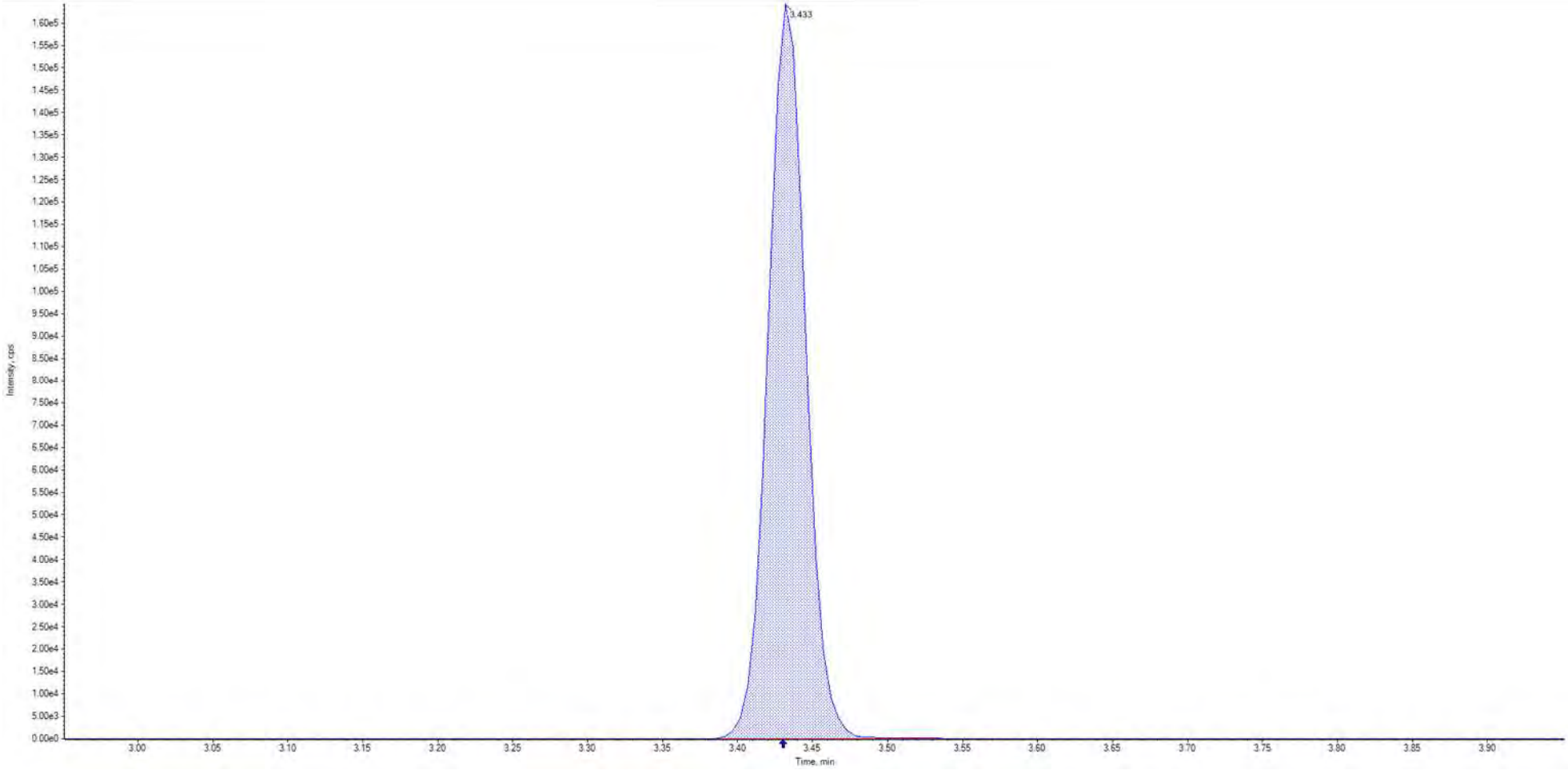
13C2-PFHxA
Sample: IA1633STD-5



13C4-PFOA
Sample: IA1633STD-5



13C5-PFNA
Sample: IA1633STD-5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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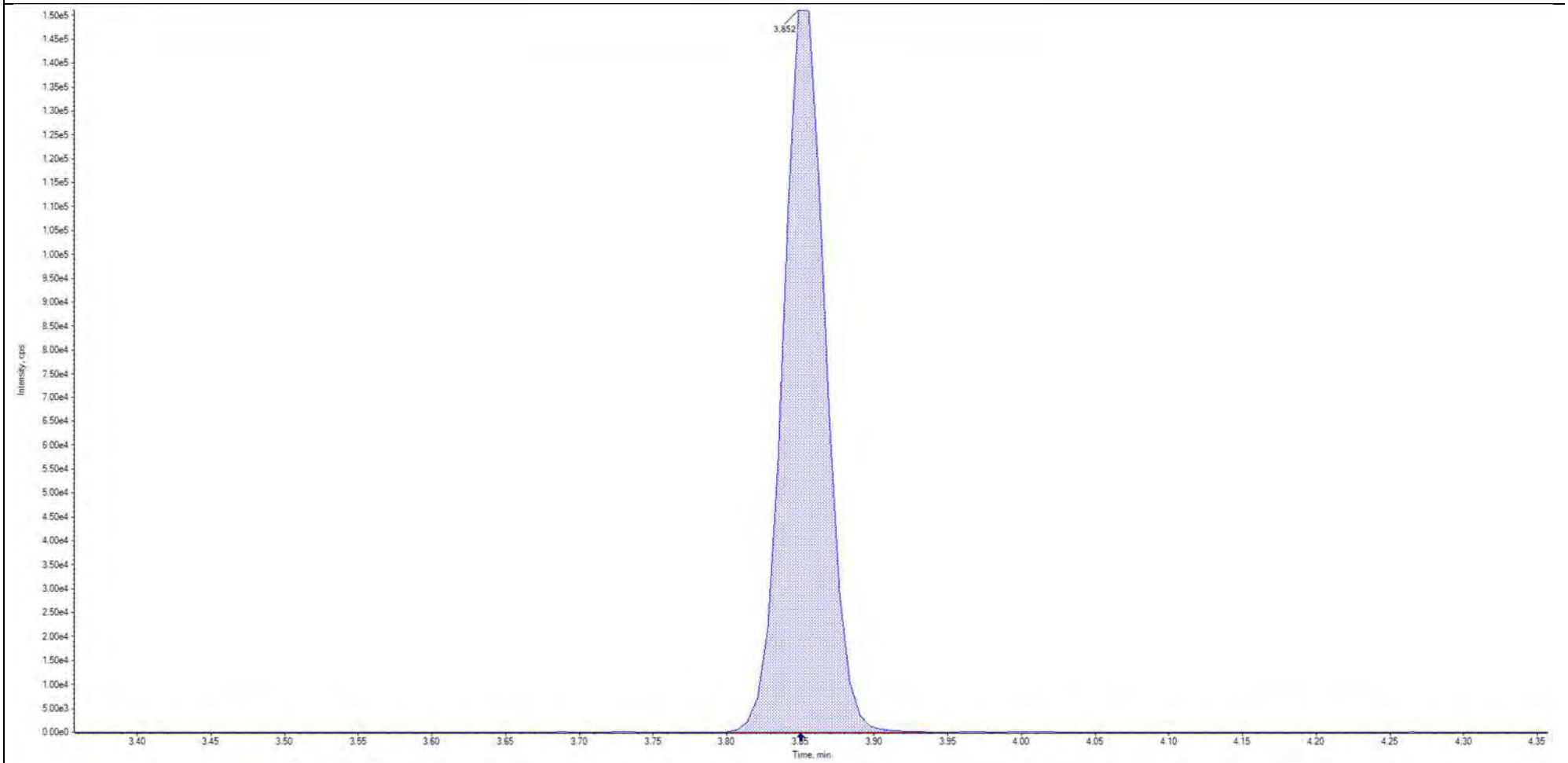
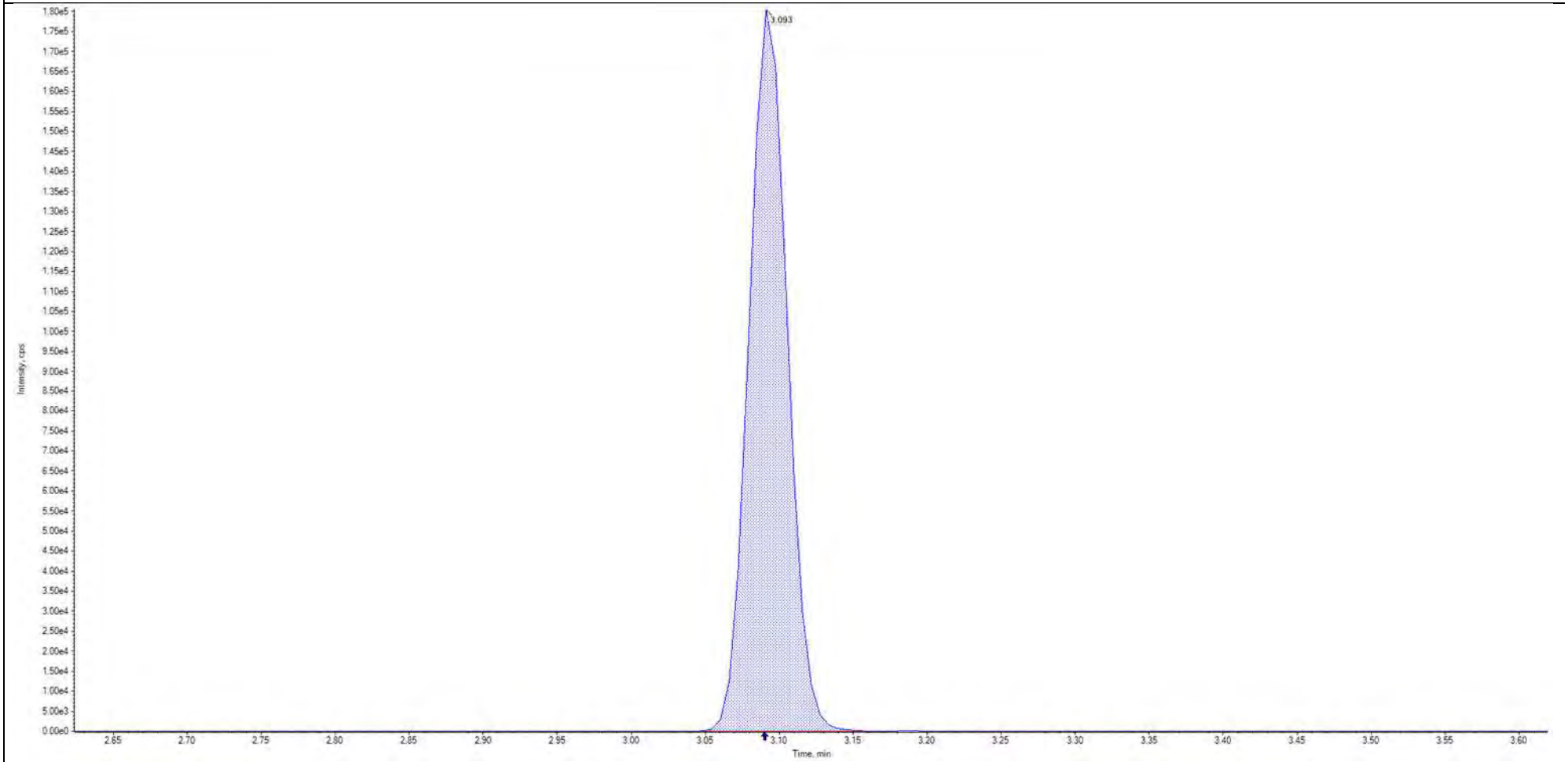
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

13C2-PFDA
Sample: IA1633STD-5



18O2-PFHxS
Sample: IA1633STD-5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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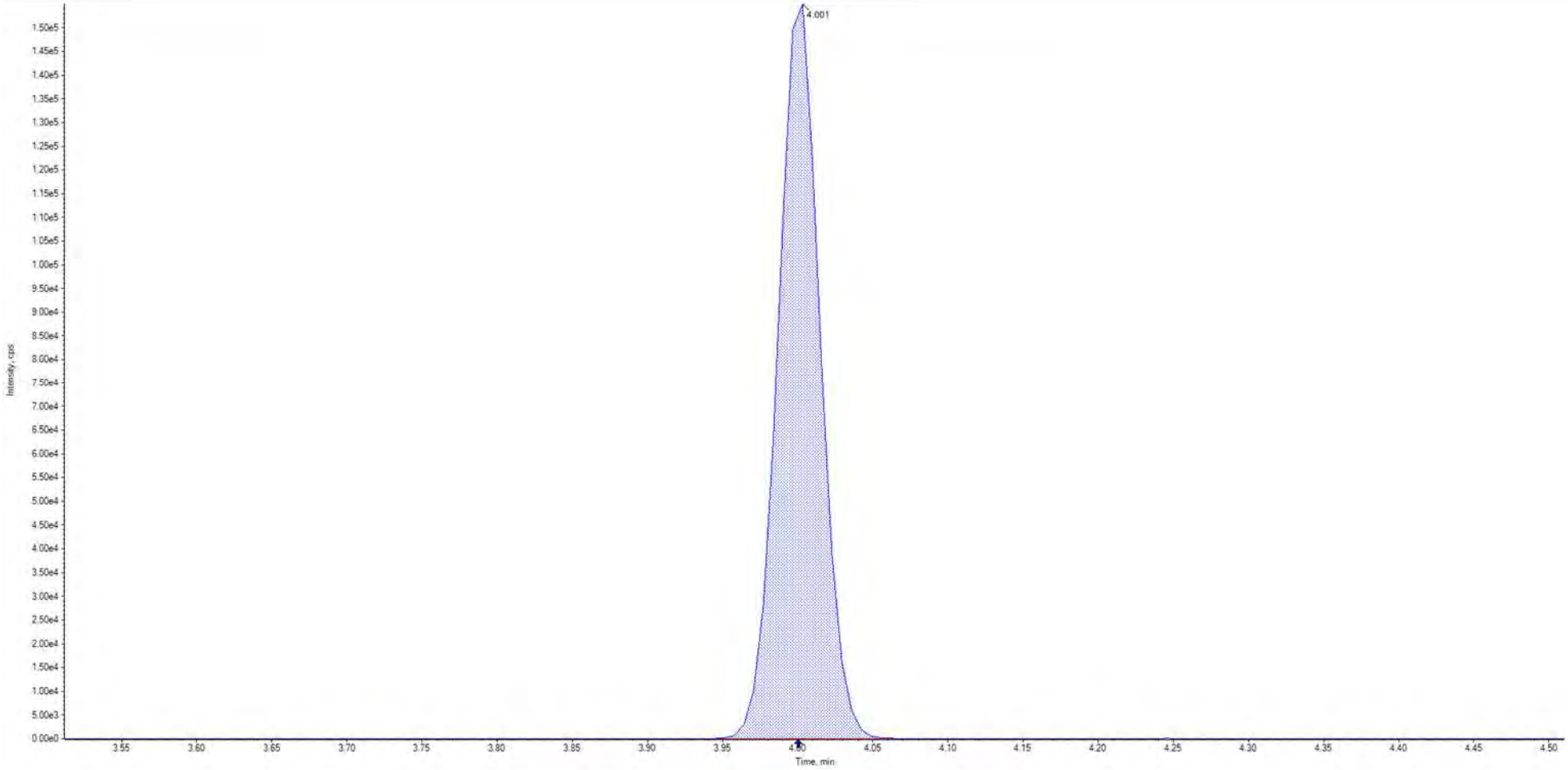
13C4-PFOS
Sample: IA1633STD-5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_5
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Generated: 3/3/2025 3:16:24 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

Method: EPA1633F_250303.qmethod
Calibration: 250303_1633_ICAL

ID: IA1633STD-12.5
Name: SCI09_250303_27.wiff2
Date & Time: 2025-03-03T15:26:25
Description: WG2035972,,EPA1633F_250228_CAL_L6
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | PFBA | 375-22-4 | 0.59 | 213.0 / 169.0 | 7000230 | | 50.900 | N/A | N/A | N/A | 101.8 |
| 2 | PFPeA | 2706-90-3 | 1.18 | 263.0 / 219.0 | 3385792 | | 25.691 | 0.007 | N/A | N/A | 102.8 |
| 3 | PFPeA_2 | 2706-90-3 | 1.18 | 263.0 / 68.9 | 23810 | | 25.759 | 0.007 | N/A | N/A | 103.0 |
| 4 | PFHxA | 307-24-4 | 1.92 | 313.0 / 269.0 | 2055627 | | 13.046 | 0.085 | 0.081 | Pass | 104.4 |
| 5 | PFHxA_2 | 307-24-4 | 1.92 | 313.0 / 119.0 | 174678 | | 13.039 | 0.085 | 0.081 | Pass | 104.3 |
| 6 | PFHpA | 375-85-9 | 2.49 | 363.1 / 319.0 | 2271101 | | 13.751 | 0.410 | 0.373 | Pass | 110.0 |
| 7 | PFHpA_2 | 375-85-9 | 2.49 | 363.1 / 169.0 | 931839 | | 14.291 | 0.410 | 0.373 | Pass | 114.3 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | PFOA | 335-67-1 | 2.99 | 413.1 / 369.1 | 2251933 | M5 | 11.547 | 0.440 | 0.424 | Pass | 92.4 |
| 9 | PFOA_2 | 335-67-1 | 2.98 | 413.1 / 169.0 | 990389 | M5 | 11.998 | 0.440 | 0.424 | Pass | 96.0 |
| 10 | PFNA | 375-95-1 | 3.43 | 462.8 / 418.9 | 1644711 | M5 | 11.317 | 0.506 | 0.493 | Pass | 90.5 |
| 11 | PFNA_2 | 375-95-1 | 3.43 | 462.8 / 219.0 | 831792 | M5 | 11.754 | 0.506 | 0.493 | Pass | 94.0 |
| 12 | PFDA | 335-76-2 | 3.85 | 513.1 / 469.1 | 2393212 | | 12.928 | 0.188 | 0.188 | Pass | 103.4 |
| 13 | PFDA_2 | 335-76-2 | 3.85 | 513.1 / 219.0 | 450406 | | 13.215 | 0.188 | 0.188 | Pass | 105.7 |
| 14 | PFUnA | 2058-94-8 | 4.25 | 563.1 / 519.1 | 2646158 | | 13.066 | 0.143 | 0.146 | Pass | 104.5 |
| 15 | PFUnA_2 | 2058-94-8 | 4.25 | 563.1 / 269.0 | 378054 | | 12.989 | 0.143 | 0.146 | Pass | 103.9 |
| 16 | PFDoA | 307-55-1 | 4.64 | 613.1 / 569.1 | 2898158 | | 12.778 | 0.135 | 0.142 | Pass | 102.2 |
| 17 | PFDoA_2 | 307-55-1 | 4.64 | 613.1 / 319.0 | 390618 | | 12.497 | 0.135 | 0.142 | Pass | 100.0 |
| 18 | PFTrDA | 72629-94-8 | 5.02 | 663.1 / 619.1 | 2502695 | | 12.561 | 0.149 | 0.152 | Pass | 100.5 |
| 19 | PFTrDA_2 | 72629-94-8 | 5.02 | 663.1 / 169.0 | 371983 | | 12.156 | 0.149 | 0.152 | Pass | 97.3 |
| 20 | PFTeDA | 376-06-7 | 5.39 | 713.1 / 669.1 | 2116245 | | 12.538 | 0.161 | 0.154 | Pass | 100.3 |
| 21 | PFTeDA_2 | 376-06-7 | 5.39 | 713.1 / 169.0 | 340930 | | 12.372 | 0.161 | 0.154 | Pass | 99.0 |
| 22 | PFBS | 375-73-5 | 1.92 | 299.1 / 80.1 | 1652384 | | 10.752 | 0.384 | 0.374 | Pass | 96.9 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | PFBS_2 | 375-73-5 | 1.92 | 299.1 / 99.1 | 634414 | | 11.839 | 0.384 | 0.374 | Pass | 100.3 |
| 24 | PFPeS | 2706-91-4 | 2.56 | 349.1 / 80.1 | 1674196 | | 11.271 | 0.308 | 0.314 | Pass | 95.5 |
| 25 | PFPeS_2 | 2706-91-4 | 2.56 | 349.1 / 99.1 | 515363 | | 11.050 | 0.308 | 0.314 | Pass | 93.6 |
| 26 | PFHxS | 355-46-4 | 3.09 | 399.1 / 80.1 | 1468749 | M5 | 10.827 | 0.299 | 0.306 | Pass | 95.0 |
| 27 | PFHxS_2 | 355-46-4 | 3.09 | 399.1 / 99.1 | 438951 | | 11.175 | 0.299 | 0.306 | Pass | 98.0 |
| 28 | PFHpS | 375-92-8 | 3.56 | 449.1 / 80.1 | 1564690 | | 12.517 | 0.299 | 0.316 | Pass | 105.2 |
| 29 | PFHpS_2 | 375-92-8 | 3.56 | 449.1 / 99.1 | 467318 | | 12.217 | 0.299 | 0.316 | Pass | 102.7 |
| 30 | PFOS | 1763-23-1 | 4.00 | 499.1 / 80.1 | 1724874 | M5 | 11.344 | 0.249 | 0.244 | Pass | 97.8 |
| 31 | PFOS_2 | 1763-23-1 | 3.99 | 499.1 / 99.1 | 428992 | M5 | 11.229 | 0.249 | 0.244 | Pass | 96.8 |
| 32 | PFNS | 68259-12-1 | 4.41 | 549.1 / 80.1 | 1286807 | | 12.429 | 0.291 | 0.294 | Pass | 103.6 |
| 33 | PFNS_2 | 68259-12-1 | 4.41 | 549.1 / 99.1 | 374249 | | 12.646 | 0.291 | 0.294 | Pass | 105.4 |
| 34 | PFDS | 335-77-3 | 4.80 | 599.1 / 80.1 | 1268050 | | 12.467 | 0.284 | 0.290 | Pass | 103.0 |
| 35 | PFDS_2 | 335-77-3 | 4.80 | 599.1 / 99.1 | 360471 | | 12.550 | 0.284 | 0.290 | Pass | 103.7 |
| 36 | PFDoS | 79780-39-5 | 5.55 | 699.2 / 80.1 | 1153280 | | 12.445 | 0.259 | 0.256 | Pass | 102.9 |
| 37 | PFDoS_2 | 79780-39-5 | 5.55 | 699.2 / 99.1 | 298534 | | 12.498 | 0.259 | 0.256 | Pass | 103.3 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 38 | 4:2FTS | 757124-72-4 | 1.71 | 327.1 / 307.1 | 1557181 | | 50.865 | 0.613 | 0.650 | Pass | 108.5 |
| 39 | 4:2FTS_2 | 757124-72-4 | 1.71 | 327.1 / 81.1 | 953826 | | 48.273 | 0.613 | 0.650 | Pass | 102.9 |
| 40 | 6:2FTS | 27619-97-2 | 2.80 | 427.2 / 407.2 | 1324969 | | 45.265 | 0.619 | 0.620 | Pass | 95.1 |
| 41 | 6:2FTS_2 | 27619-97-2 | 2.80 | 427.2 / 81.1 | 819560 | | 43.684 | 0.619 | 0.620 | Pass | 91.8 |
| 42 | 8:2FTS | 39108-34-4 | 3.66 | 527.2 / 507.2 | 1088274 | | 47.930 | 0.685 | 0.676 | Pass | 99.9 |
| 43 | 8:2FTS_2 | 39108-34-4 | 3.66 | 527.2 / 81.1 | 745877 | | 47.720 | 0.685 | 0.676 | Pass | 99.4 |
| 44 | PFOSA | 754-91-6 | 5.23 | 498.1 / 78.1 | 2139399 | M5 | 12.508 | 0.024 | 0.026 | Pass | 100.1 |
| 45 | PFOSA_2 | 754-91-6 | 5.23 | 498.1 / 478.0 | 51685 | M5 | 11.697 | 0.024 | 0.026 | Pass | 93.6 |
| 46 | NMeFOSA | 31506-32-8 | 5.97 | 512.2 / 219.0 | 541857 | M5 | 12.759 | 1.401 | 1.377 | Pass | 102.1 |
| 47 | NMeFOSA_2 | 31506-32-8 | 5.93 | 512.2 / 169.0 | 759297 | M5 | 12.867 | 1.401 | 1.377 | Pass | 102.9 |
| 48 | NEtFOSA | 4151-50-2 | 6.27 | 526.2 / 219.0 | 532096 | | 12.580 | 1.265 | 1.292 | Pass | 100.6 |
| 49 | NEtFOSA_2 | 4151-50-2 | 6.23 | 526.2 / 169.0 | 673101 | | 12.754 | 1.265 | 1.292 | Pass | 102.0 |
| 50 | NMeFOSAA | 2355-31-9 | 3.97 | 570.2 / 419.1 | 291267 | | 12.512 | 0.692 | 0.697 | Pass | 100.1 |
| 51 | NMeFOSAA_2 | 2355-31-9 | 3.97 | 570.2 / 483.0 | 201561 | | 12.051 | 0.692 | 0.697 | Pass | 96.4 |
| 52 | NEtFOSAA | 2991-50-6 | 4.19 | 584.2 / 419.1 | 275571 | M5 | 12.075 | 0.576 | 0.557 | Pass | 96.6 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | NEtFOSAA_2 | 2991-50-6 | 4.19 | 584.2 / 526.2 | 158643 | M5 | 12.611 | 0.576 | 0.557 | Pass | 100.9 |
| 54 | NMeFOSE | 24448-09-7 | 5.84 | 616.1 / 58.9 | 7981840 | M5 | 127.131 | N/A | N/A | N/A | 101.7 |
| 55 | NEtFOSE | 1691-99-2 | 6.13 | 630.0 / 58.9 | 11142098 | M5 | 127.199 | N/A | N/A | N/A | 101.8 |
| 56 | HFPO-DA | 13252-13-6 | 2.13 | 285.0 / 169.0 | 7141362 | | 52.425 | 0.536 | 0.501 | Pass | 104.9 |
| 57 | HFPO-DA_2 | 13252-13-6 | 2.13 | 285.0 / 184.9 | 3825894 | | 53.270 | 0.536 | 0.501 | Pass | 106.5 |
| 58 | ADONA | 919005-14-4 | 2.68 | 376.9 / 251.0 | 12920958 | | 53.080 | 0.616 | 0.691 | Pass | 112.3 |
| 59 | ADONA_2 | 919005-14-4 | 2.68 | 376.9 / 84.8 | 7952884 | | 49.313 | 0.616 | 0.691 | Pass | 104.4 |
| 60 | 9Cl-PF3ONS | 756426-58-1 | 4.28 | 530.8 / 351.1 | 12541430 | | 48.400 | 0.342 | 0.332 | Pass | 103.6 |
| 61 | 9Cl-PF3ONS_2 | 756426-58-1 | 4.28 | 532.8 / 353.0 | 4283660 | | 49.735 | 0.342 | 0.332 | Pass | 106.5 |
| 62 | 11Cl-PF3OUdS | 763051-92-9 | 5.07 | 630.9 / 451.0 | 10793343 | | 49.258 | 0.322 | 0.322 | Pass | 104.4 |
| 63 | 11Cl-PF3OUdS_2 | 763051-92-9 | 5.07 | 632.9 / 452.9 | 3470998 | | 49.350 | 0.322 | 0.322 | Pass | 104.6 |
| 64 | 3:3FTCA | 356-02-5 | 1.56 | 241.1 / 177.1 | 667027 | | 65.547 | 0.967 | 1.010 | Pass | 104.9 |
| 65 | 3:3FTCA_2 | 356-02-5 | 1.56 | 241.1 / 117.0 | 644827 | | 58.357 | 0.967 | 1.010 | Pass | 93.4 |
| 66 | 5:3FTCA | 914637-49-3 | 3.03 | 341.1 / 237.1 | 13302452 | | 337.637 | 1.047 | 1.017 | Pass | 108.0 |
| 67 | 5:3FTCA_2 | 914637-49-3 | 3.03 | 341.1 / 217.0 | 13929104 | | 350.884 | 1.047 | 1.017 | Pass | 112.3 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 7:3FTCA | 812-70-4 | 4.05 | 441.1 / 316.9 | 11466526 | | 290.703 | 1.311 | 1.343 | Pass | 93.0 |
| 69 | 7:3FTCA_2 | 812-70-4 | 4.05 | 441.1 / 337.1 | 15032155 | | 288.298 | 1.311 | 1.343 | Pass | 92.3 |
| 70 | PFEESA | 113507-82-7 | 2.22 | 315.1 / 135.0 | 9656667 | | 23.584 | 0.080 | 0.081 | Pass | 105.8 |
| 71 | PFEESA_2 | 113507-82-7 | 2.22 | 315.1 / 82.9 | 771227 | | 22.901 | 0.080 | 0.081 | Pass | 102.7 |
| 72 | PFMPA | 377-73-1 | 0.75 | 229.0 / 85.0 | 3563990 | | 24.775 | N/A | N/A | N/A | 99.1 |
| 73 | PFMBA | 863090-89-5 | 1.44 | 279.0 / 85.0 | 3833878 | | 25.416 | N/A | N/A | N/A | 101.7 |
| 74 | NFDHA | 151772-58-6 | 1.84 | 295.0 / 201.0 | 2706957 | | 25.257 | 0.757 | 0.681 | Pass | 101.0 |
| 75 | NFDHA_2 | 151772-58-6 | 1.84 | 295.0 / 84.9 | 2048502 | | 27.006 | 0.757 | 0.681 | Pass | 108.0 |
| 76 | TDCA | 516-50-7 | N/A | 499.1 / 124.1 | N/A | | N/A | N/A | 5.680 | N/A | N/A |
| 77 | TDCA_2 | 516-50-7 | N/A | 499.1 / 79.9 | N/A | | N/A | N/A | 5.680 | N/A | N/A |
| 78 | 13C2D4-4:2FTS | Surr | 1.70 | 333.2 / 312.1 | 140144 | | 5.528 | N/A | N/A | N/A | 110.6 |
| 79 | 13C2-PFOA | Surr | 2.98 | 415.0 / 370.0 | 321115 | | 2.345 | N/A | N/A | N/A | 93.8 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C4-PFBA | EIS | 0.59 | 217.0 / 172.0 | 1538900 | | 9.454 | NA | NA | NA | 94.5 |

| Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| 13C5-PFPeA | EIS | 1.18 | 268.0 / 223.0 | 686638 | | 4.843 | NA | NA | NA | 96.9 |
| 13C5-PFHxA | EIS | 1.91 | 318.0 / 273.0 | 307593 | | 2.308 | NA | NA | NA | 92.3 |
| 13C4-PFHpA | EIS | 2.49 | 367.0 / 322.0 | 284423 | | 2.212 | NA | NA | NA | 88.5 |
| 13C8-PFOA | EIS | 2.98 | 420.8 / 376.0 | 570430 | | 2.317 | NA | NA | NA | 92.7 |
| 13C9-PFNA | EIS | 3.42 | 472.0 / 427.0 | 269414 | | 1.304 | NA | NA | NA | 104.4 |
| 13C6-PFDA | EIS | 3.84 | 519.0 / 474.0 | 261727 | | 1.125 | NA | NA | NA | 90.0 |
| 13C7-PFUnA | EIS | 4.25 | 570.0 / 525.0 | 298986 | | 1.165 | NA | NA | NA | 93.2 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C2-PFDoA | EIS | 4.64 | 615.1 / 570.0 | 300013 | | 1.162 | NA | NA | NA | 93.0 |
| | 13C2-PFTeDA | EIS | 5.39 | 715.1 / 670.1 | 185641 | | 1.109 | NA | NA | NA | 88.7 |
| | 13C3-PFBS | EIS | 1.91 | 302.1 / 80.1 | 337061 | | 2.344 | NA | NA | NA | 100.6 |
| | 13C3-PFHxS | EIS | 3.08 | 402.1 / 80.1 | 310424 | | 2.429 | NA | NA | NA | 102.5 |
| | 13C8-PFOS | EIS | 3.99 | 507.1 / 80.1 | 318962 | | 2.184 | NA | NA | NA | 91.0 |
| | 13C2-4:2FTS | EIS | 1.71 | 329.1 / 81.1 | 93285 | | 4.399 | NA | NA | NA | 93.8 |
| | 13C2-6:2FTS | EIS | 2.80 | 429.2 / 81.1 | 86619 | | 4.744 | NA | NA | NA | 99.7 |
| | 13C2-8:2FTS | EIS | 3.66 | 529.2 / 81.1 | 81905 | | 4.431 | NA | NA | NA | 92.3 |

| Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| 13C8-PFOSA | EIS | 5.23 | 506.1 / 78.1 | 534011 | | 2.303 | NA | NA | NA | 92.1 |
| d3-NMeFOSA | EIS | 5.96 | 515.2 / 219.0 | 94719 | | 2.262 | NA | NA | NA | 90.5 |
| d5-NEtFOSA | EIS | 6.25 | 531.2 / 219.0 | 86793 | | 2.279 | NA | NA | NA | 91.2 |
| d3-NMeFOSAA | EIS | 3.97 | 573.2 / 419.1 | 128047 | | 4.469 | NA | NA | NA | 89.4 |
| d5-NEtFOSAA | EIS | 4.18 | 589.3 / 419.1 | 105261 | | 4.597 | NA | NA | NA | 91.9 |
| d7-NMeFOSE | EIS | 5.81 | 623.2 / 58.9 | 692857 | | 23.003 | NA | NA | NA | 92.0 |
| d9-NEtFOSE | EIS | 6.11 | 639.2 / 58.9 | 927289 | | 22.949 | NA | NA | NA | 91.8 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C3-HFPO-DA | EIS | 2.12 | 287.0 / 169.0 | 1344147 | | 9.534 | NA | NA | NA | 95.3 |
| | 13C3-PFBA | NIS | 0.59 | 216.0 / 172.0 | 720236 | | 4.969 | NA | NA | NA | 99.4 |
| | 13C2-PFHxA | NIS | 1.91 | 315.0 / 270.0 | 392485 | | 2.422 | NA | NA | NA | 96.9 |
| | 13C4-PFOA | NIS | 2.98 | 417.0 / 372.0 | 374183 | | 2.603 | NA | NA | NA | 104.1 |
| | 13C5-PFNA | NIS | 3.42 | 468.0 / 423.0 | 258701 | | 1.255 | NA | NA | NA | 100.4 |
| | 13C2-PFDA | NIS | 3.84 | 515.1 / 470.1 | 271458 | | 1.277 | NA | NA | NA | 102.1 |
| | 18O2-PFHxS | NIS | 3.09 | 403.1 / 84.1 | 268756 | | 2.283 | NA | NA | NA | 96.3 |
| | 13C4-PFOS | NIS | 3.99 | 503.1 / 80.1 | 293863 | | 2.444 | NA | NA | NA | 101.9 |

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 3/3/2025 3:16:24 PM

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

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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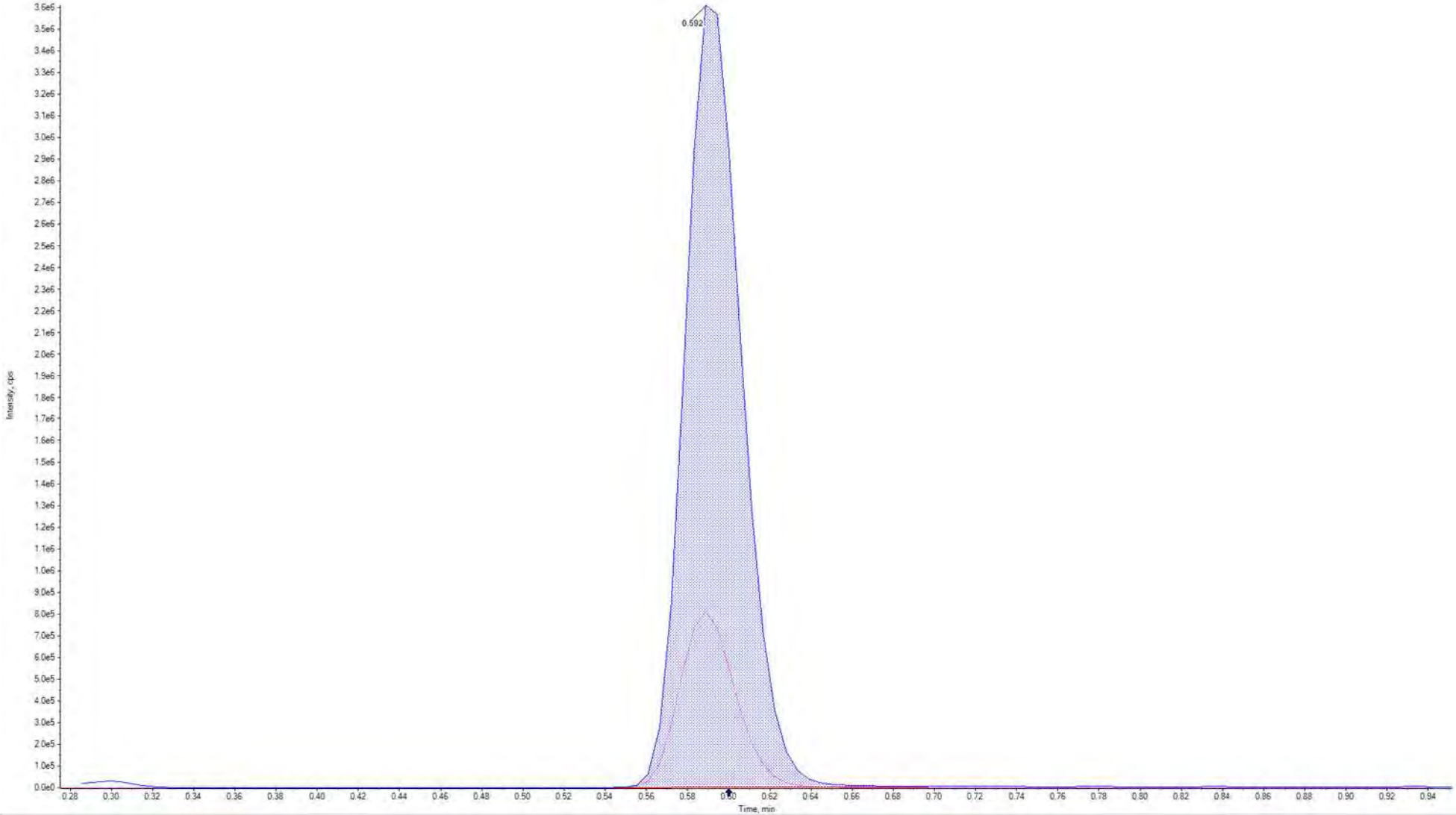
PFBA
Sample: IA1633STD-12.5 S/N:3394.1 Points Across peak:33



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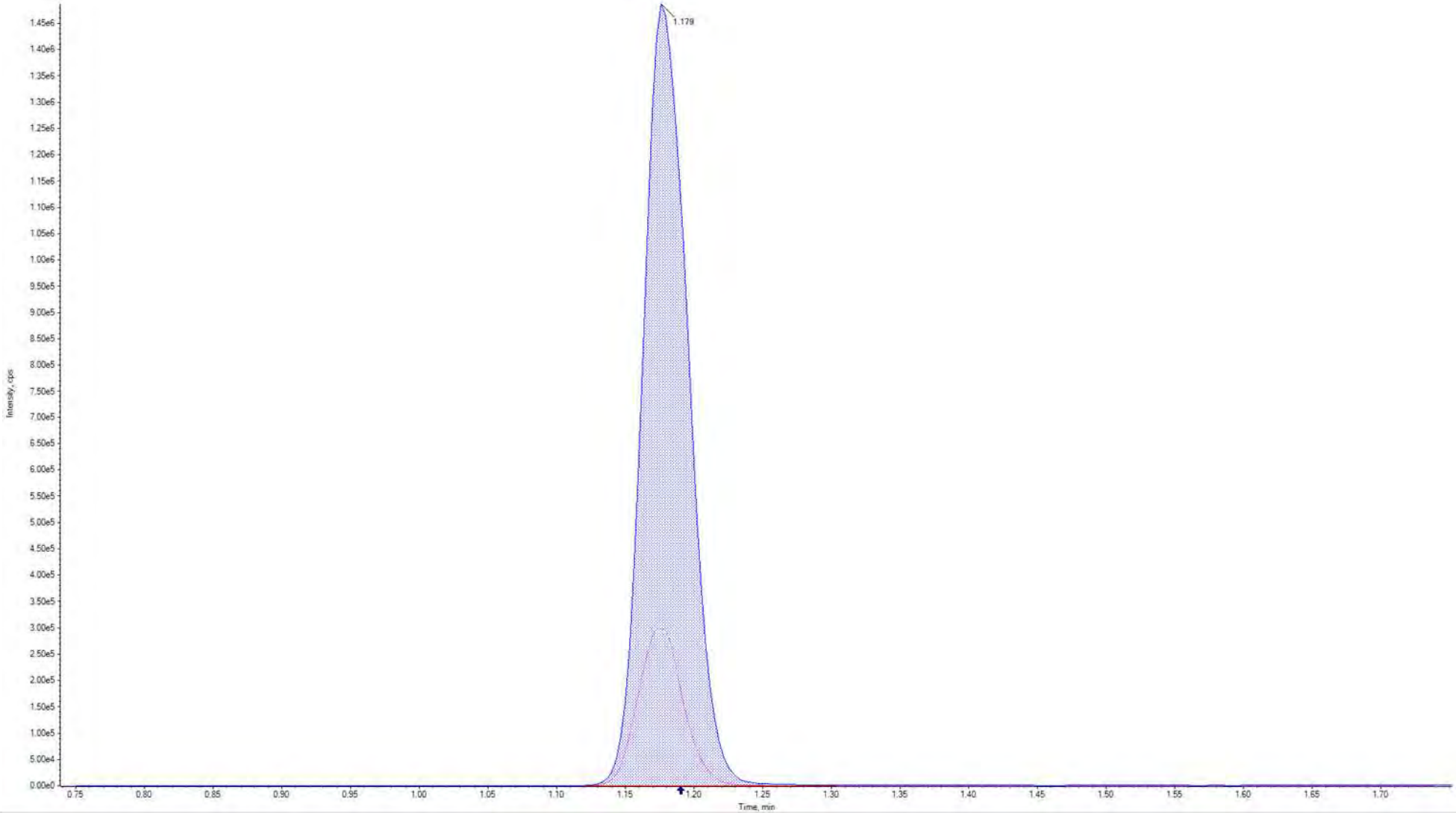
PFPeA
Sample: IA1633STD-12.5 S/N:7843.5 Points Across peak:57



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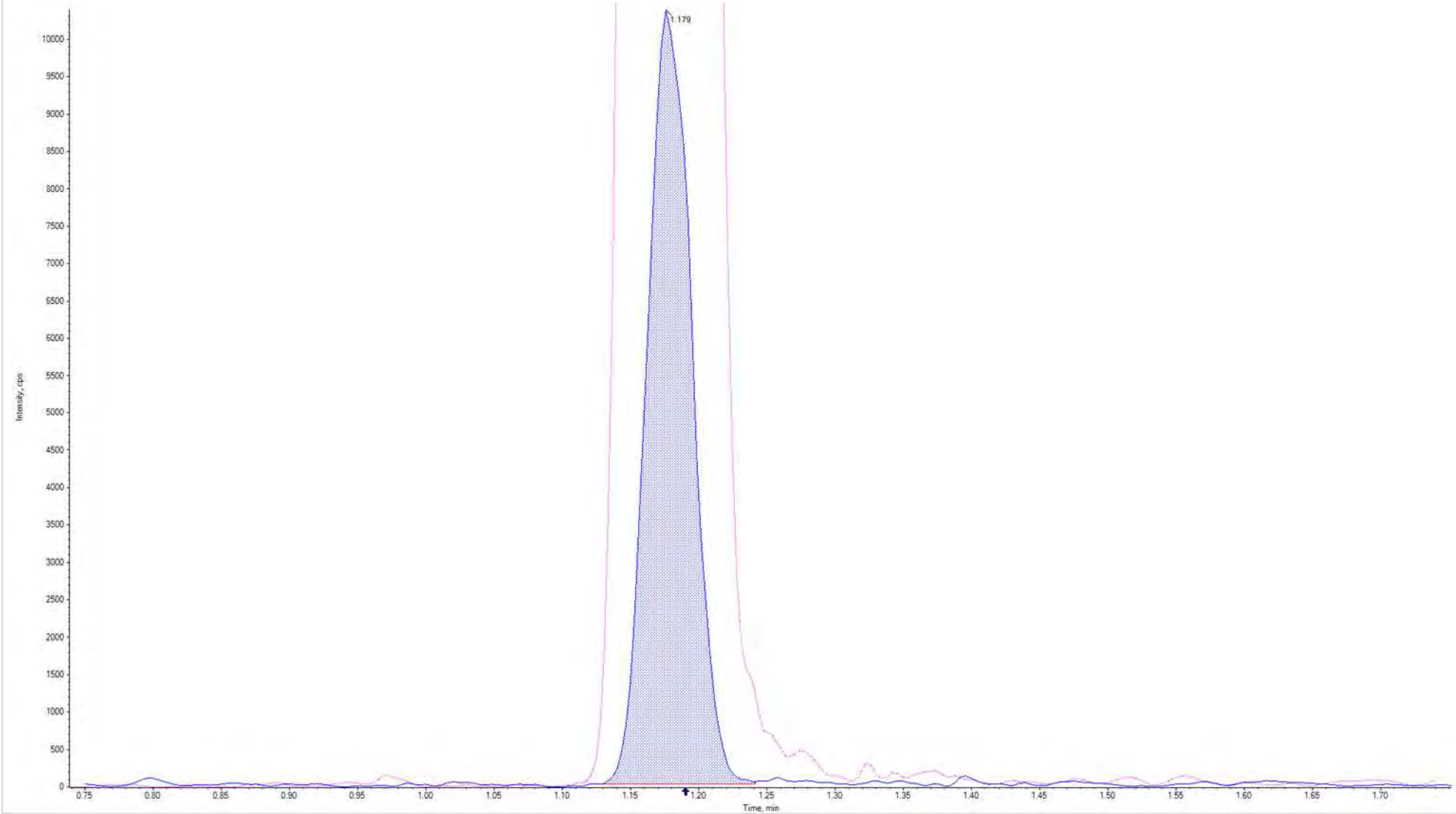
PFPeA_2
Sample: IA1633STD-12.5 S/N:623.1 Points Across peak:36



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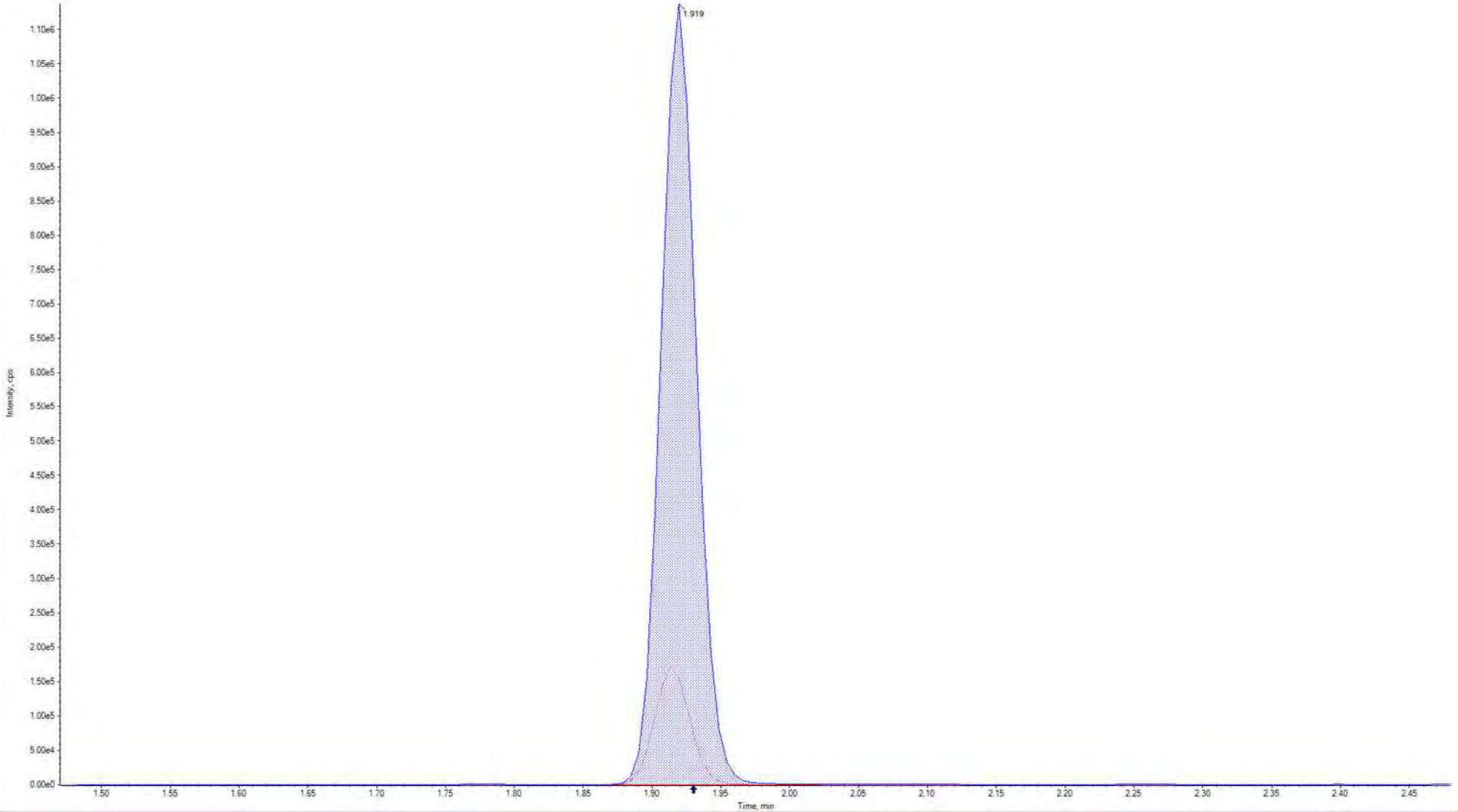
PFHxA
Sample: IA1633STD-12.5 S/N:10853.4 Points Across peak:30



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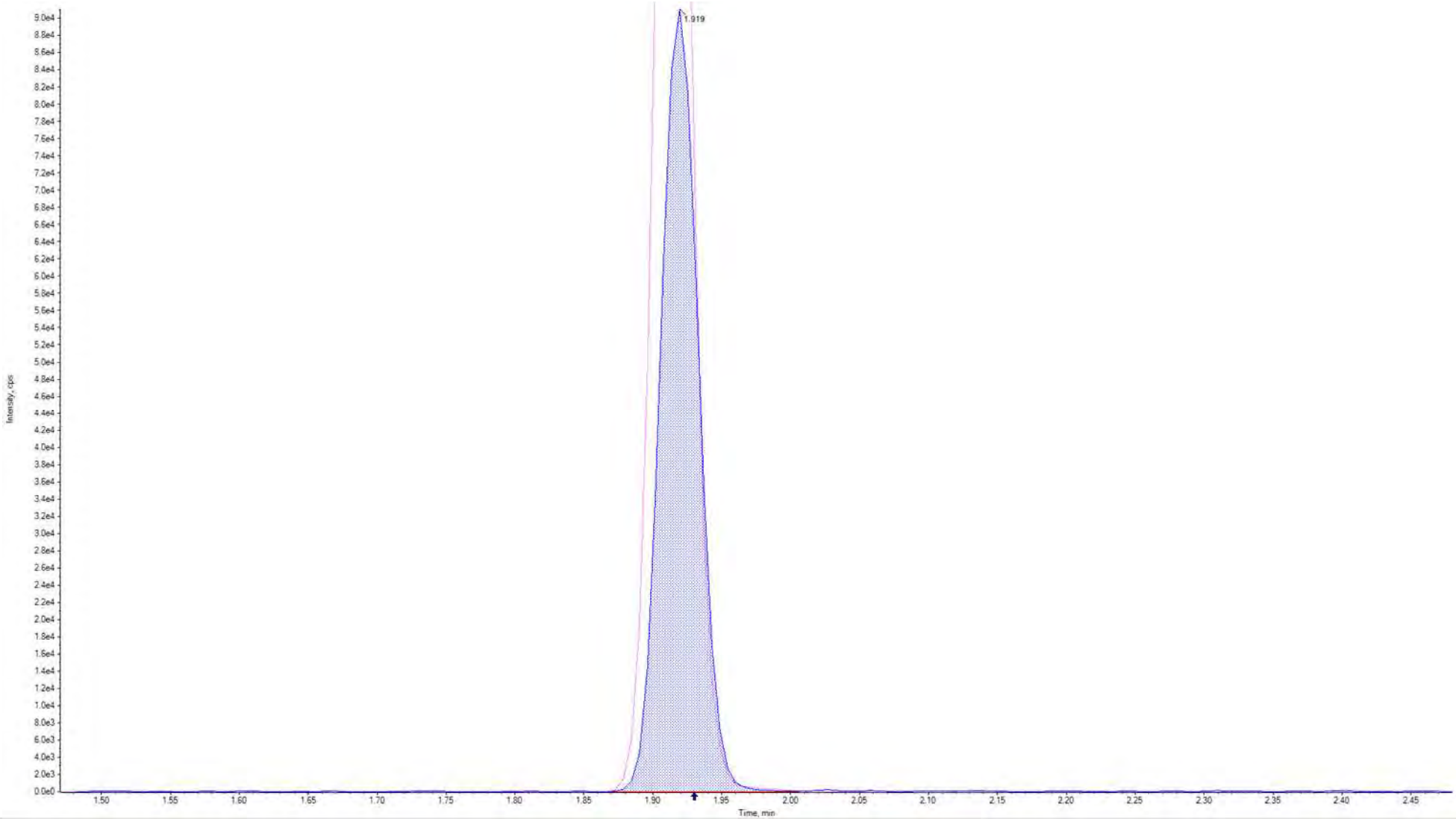
PFHxA_2
Sample: IA1633STD-12.5 S/N:2282.2 Points Across peak:26



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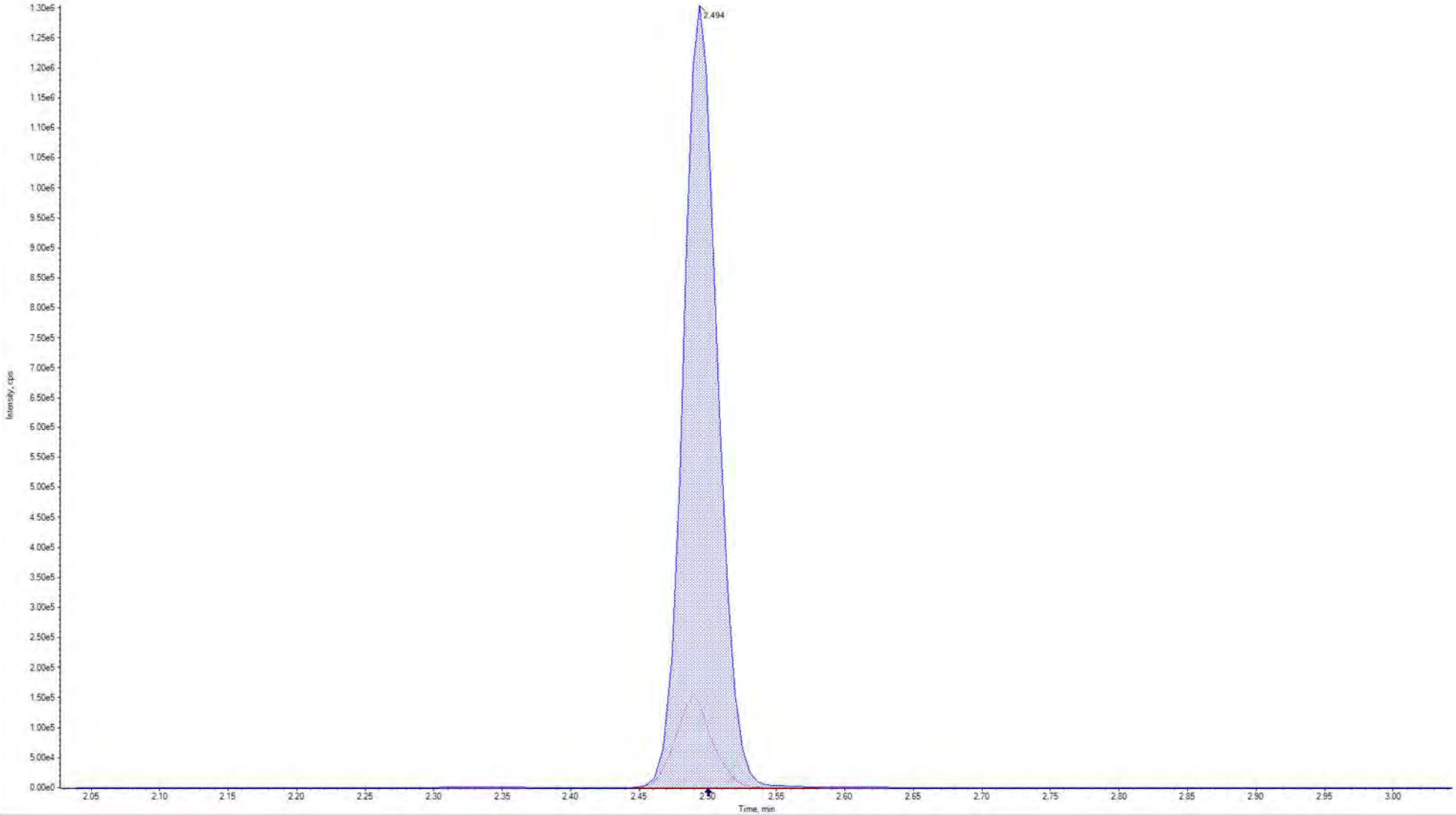
PFHpA
Sample: IA1633STD-12.5 S/N:8674.8 Points Across peak:29



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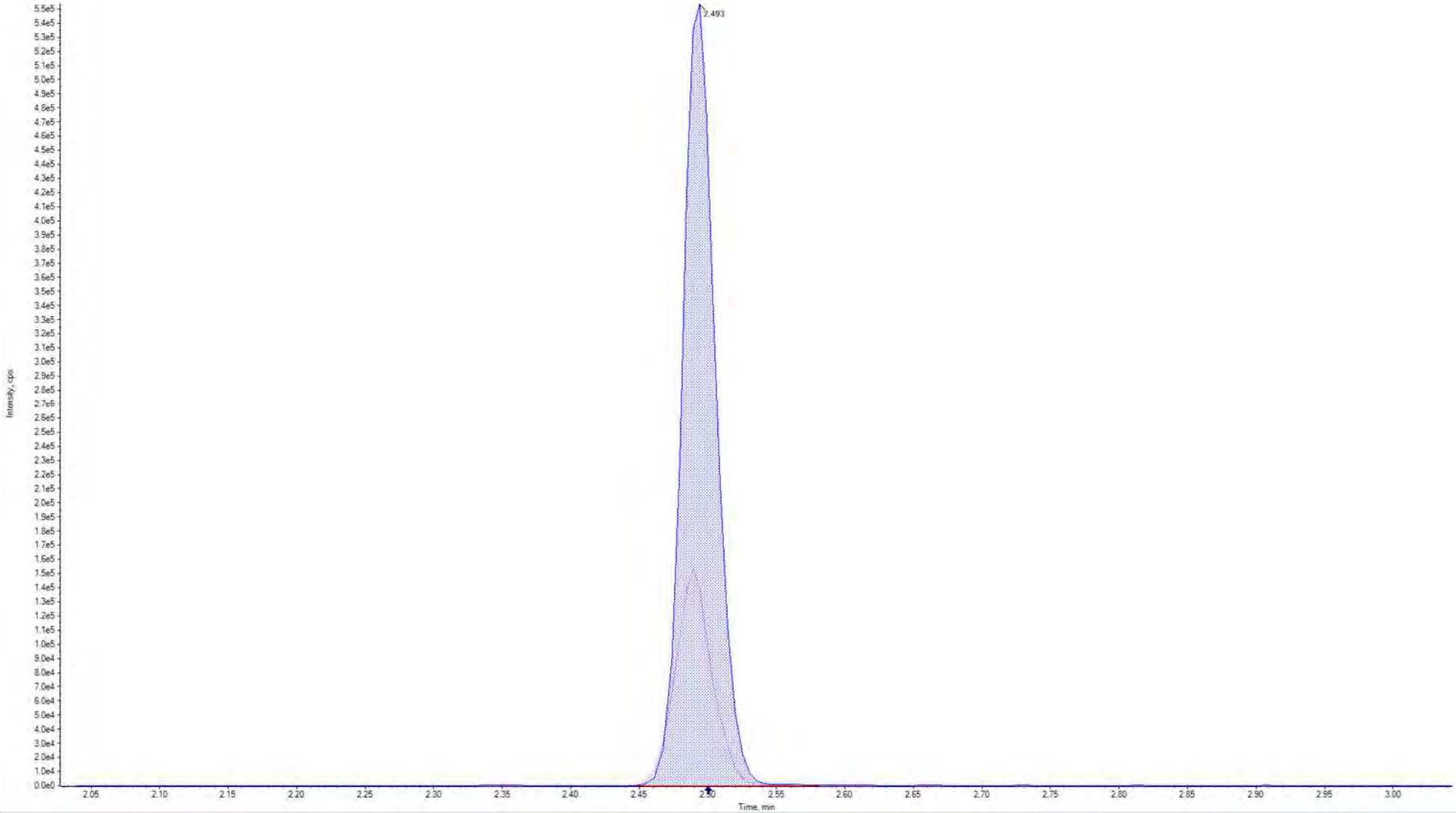
PFHpA_2
Sample: IA1633STD-12.5 S/N:11100.3 Points Across peak:27



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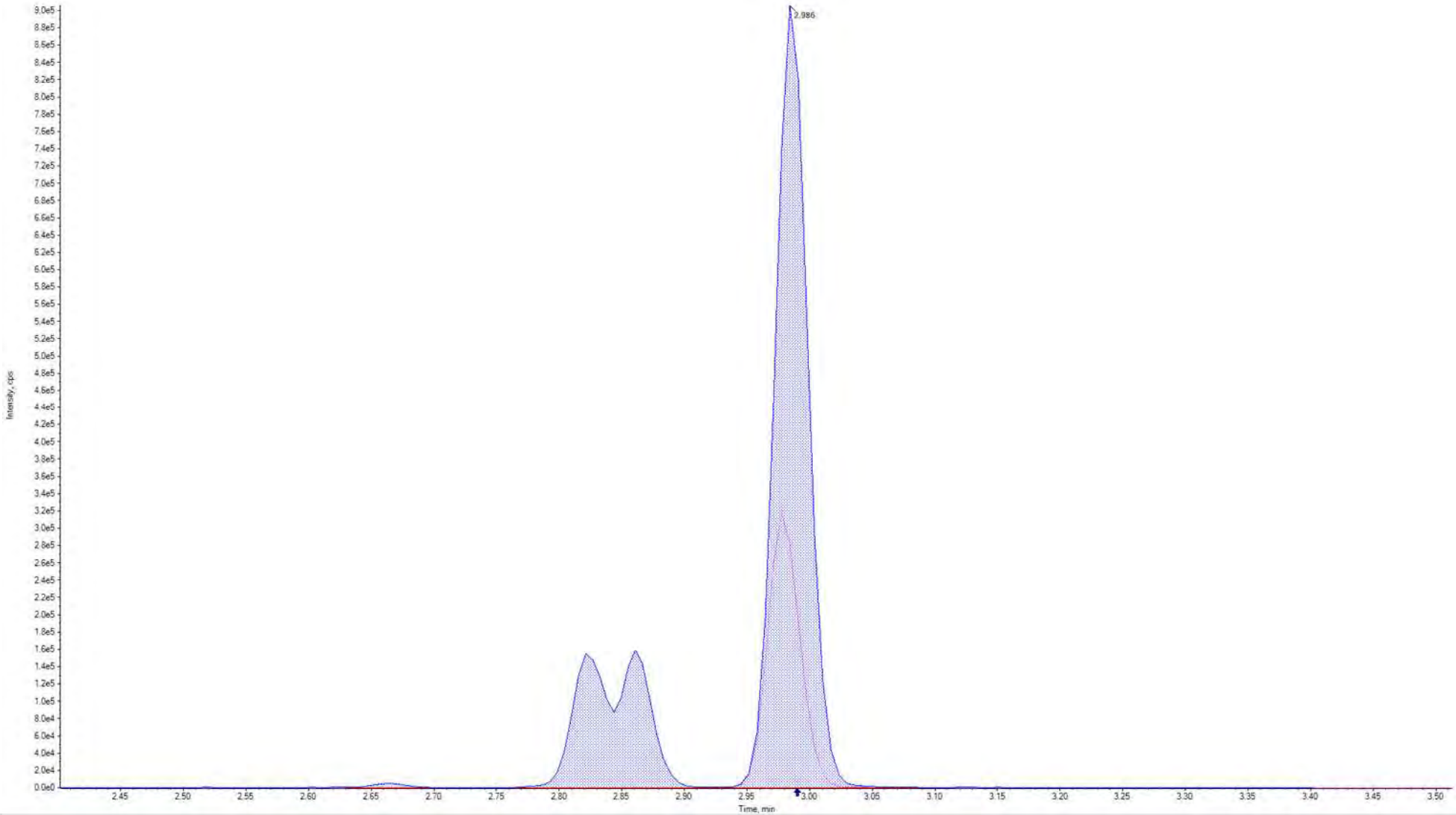
PFOA
Sample: IA1633STD-12.5 S/N:832.5 Points Across peak:79



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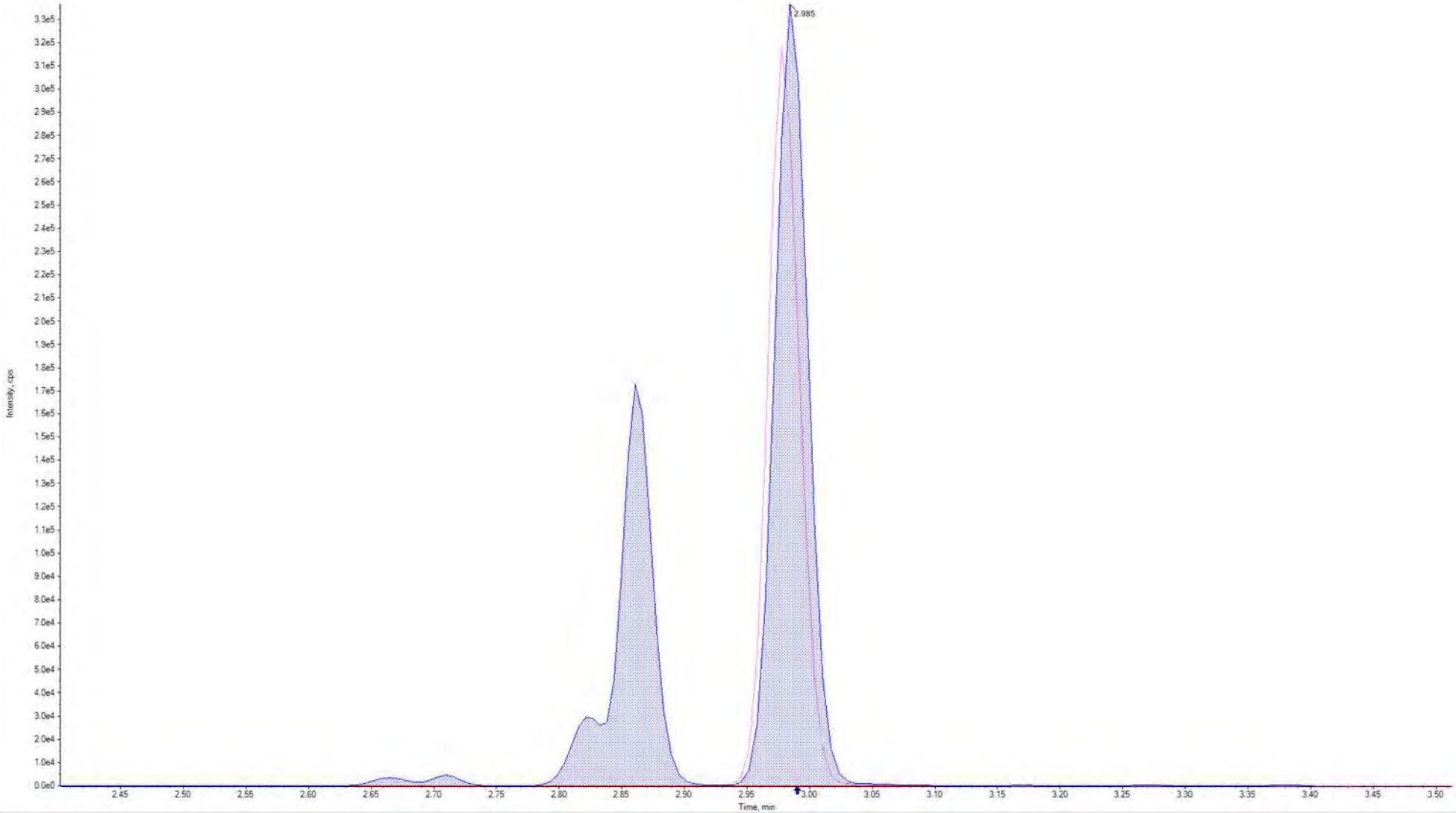
PFOA_2
Sample: IA1633STD-12.5 S/N:478.6 Points Across peak:80



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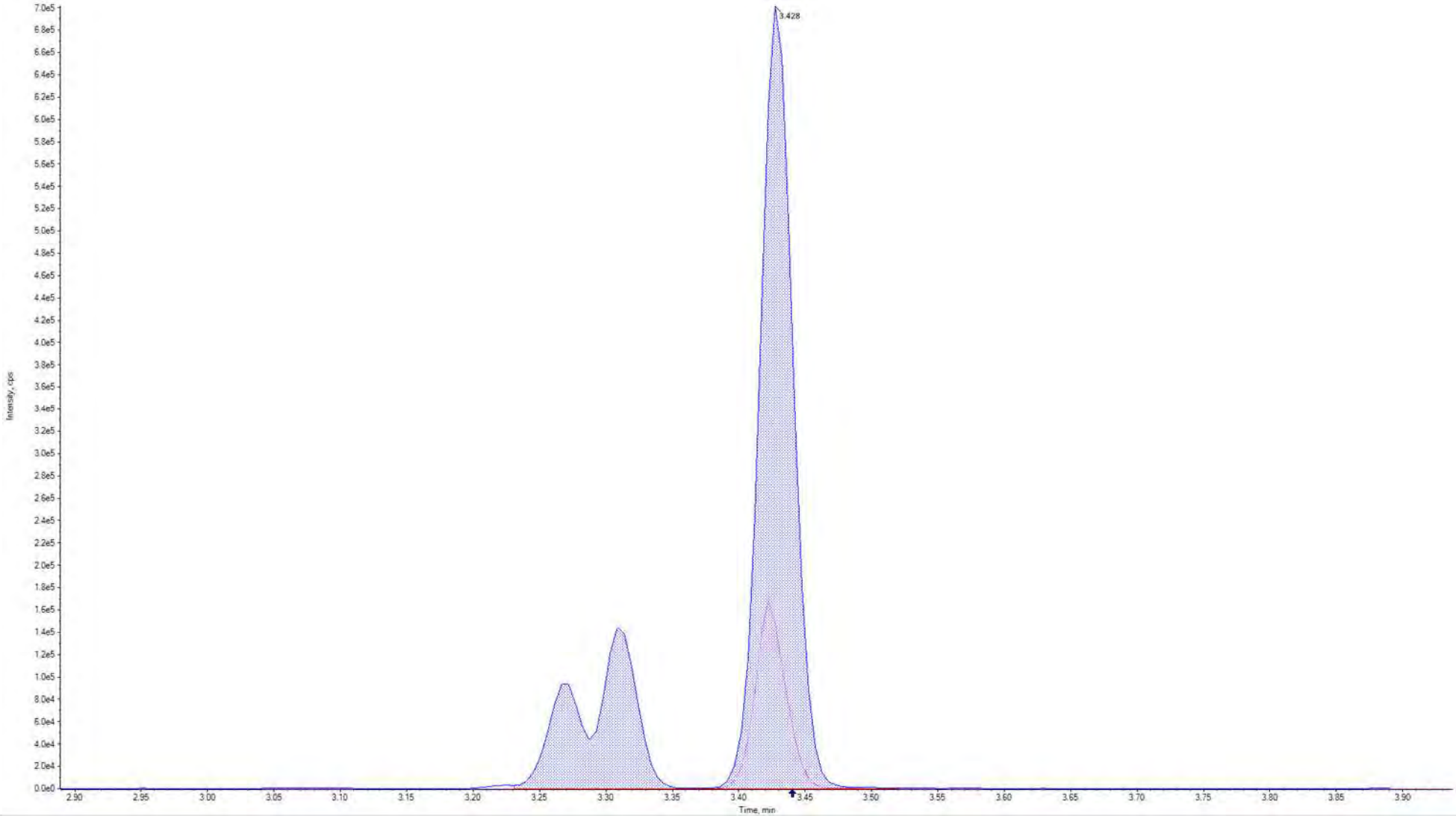
PFNA
Sample: IA1633STD-12.5 S/N:777.5 Points Across peak:57



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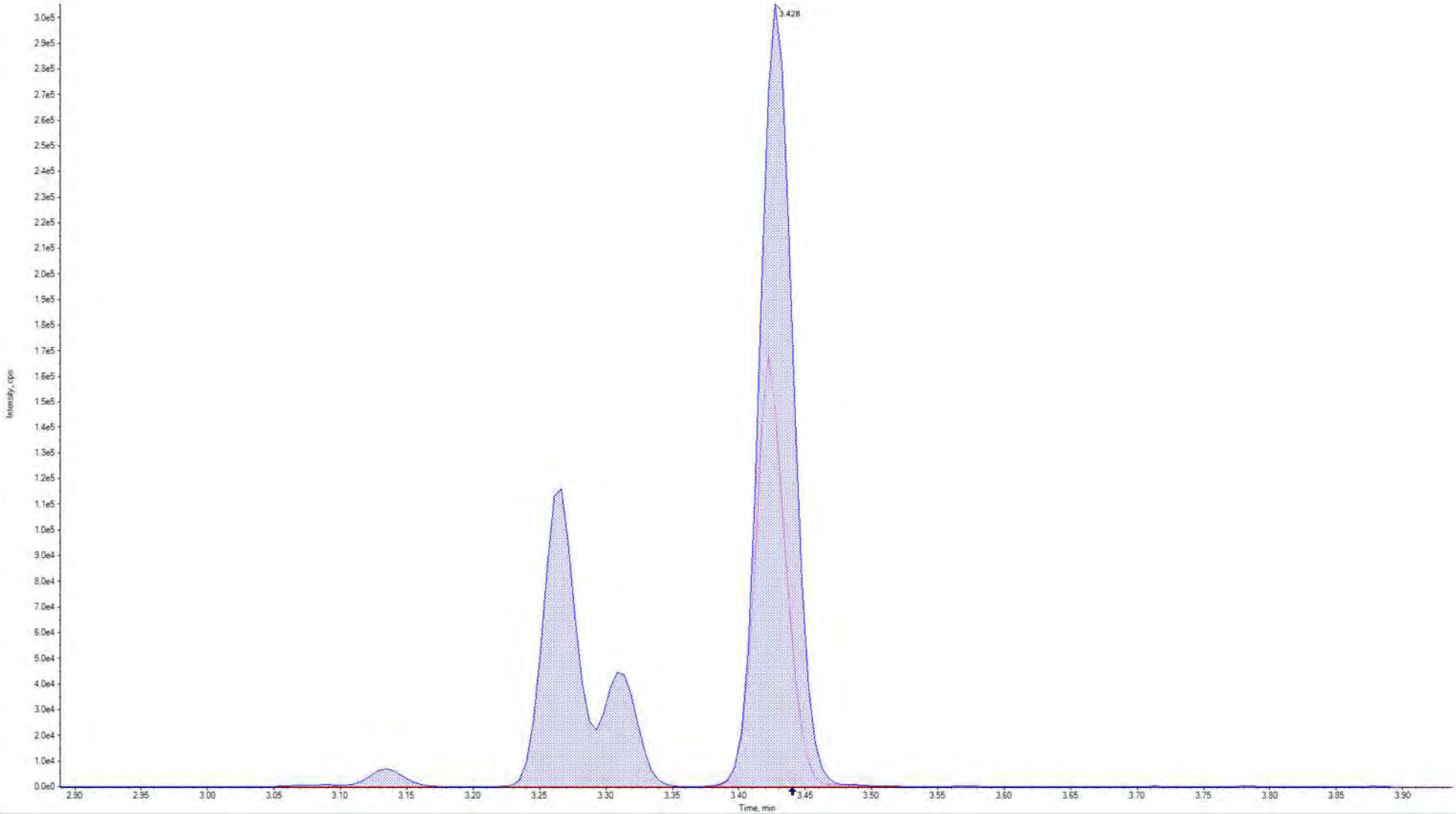
PFNA_2
Sample: IA1633STD-12.5 S/N:494.1 Points Across peak:91



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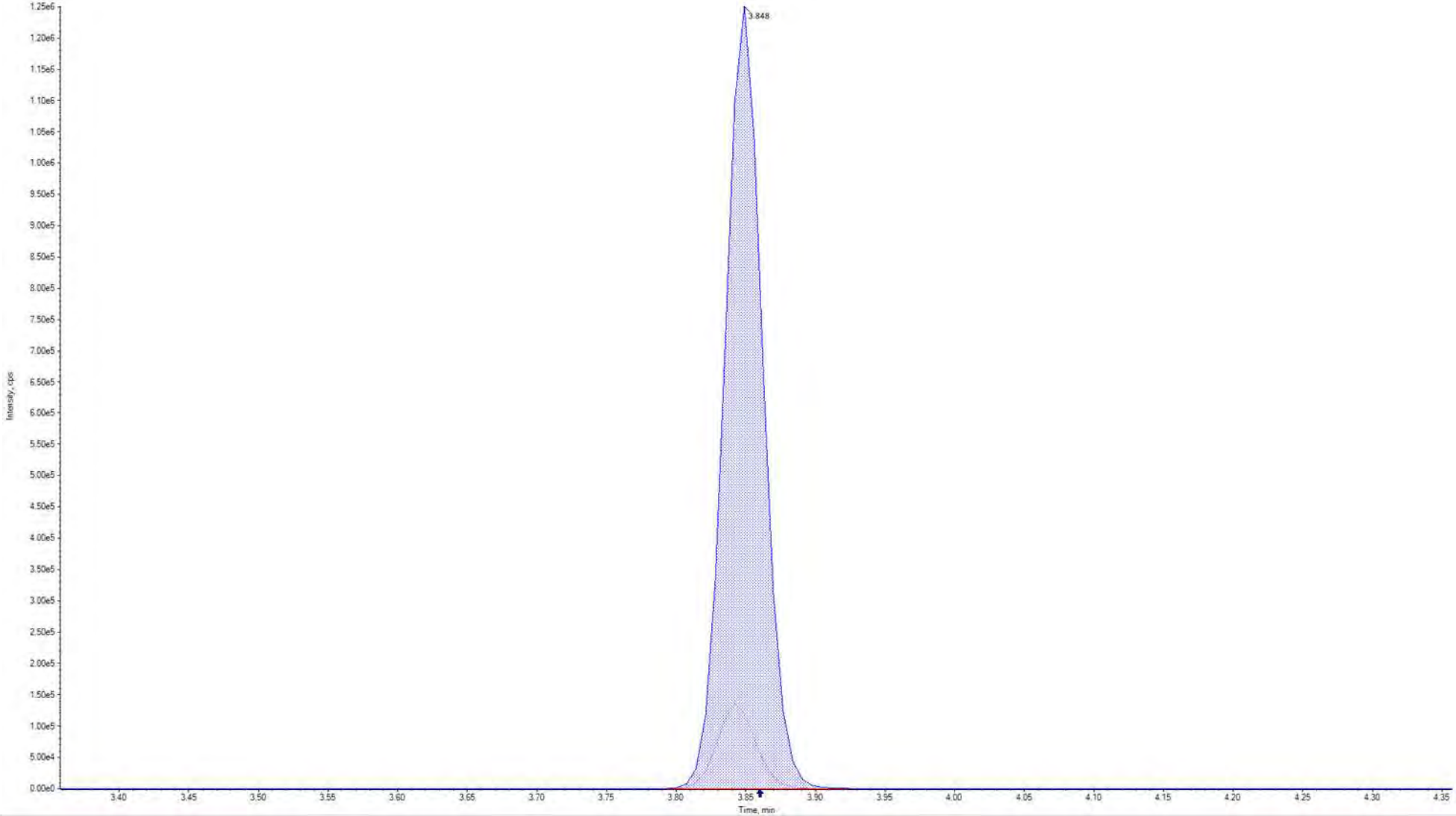
PFDA
Sample: IA1633STD-12.5 S/N:25083.7 Points Across peak:30



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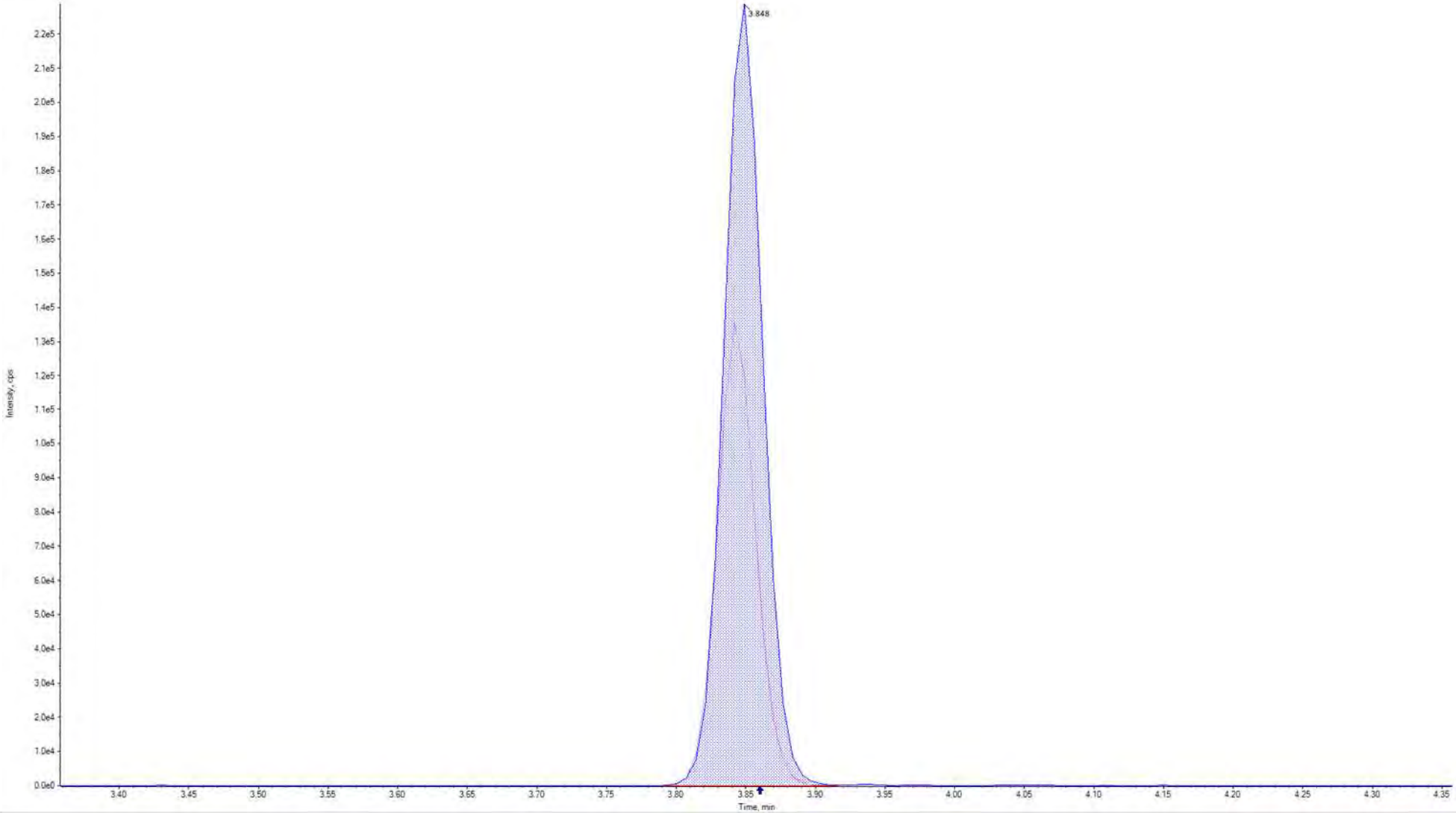
PFDA_2
Sample: IA1633STD-12.5 S/N:4554.7 Points Across peak:24



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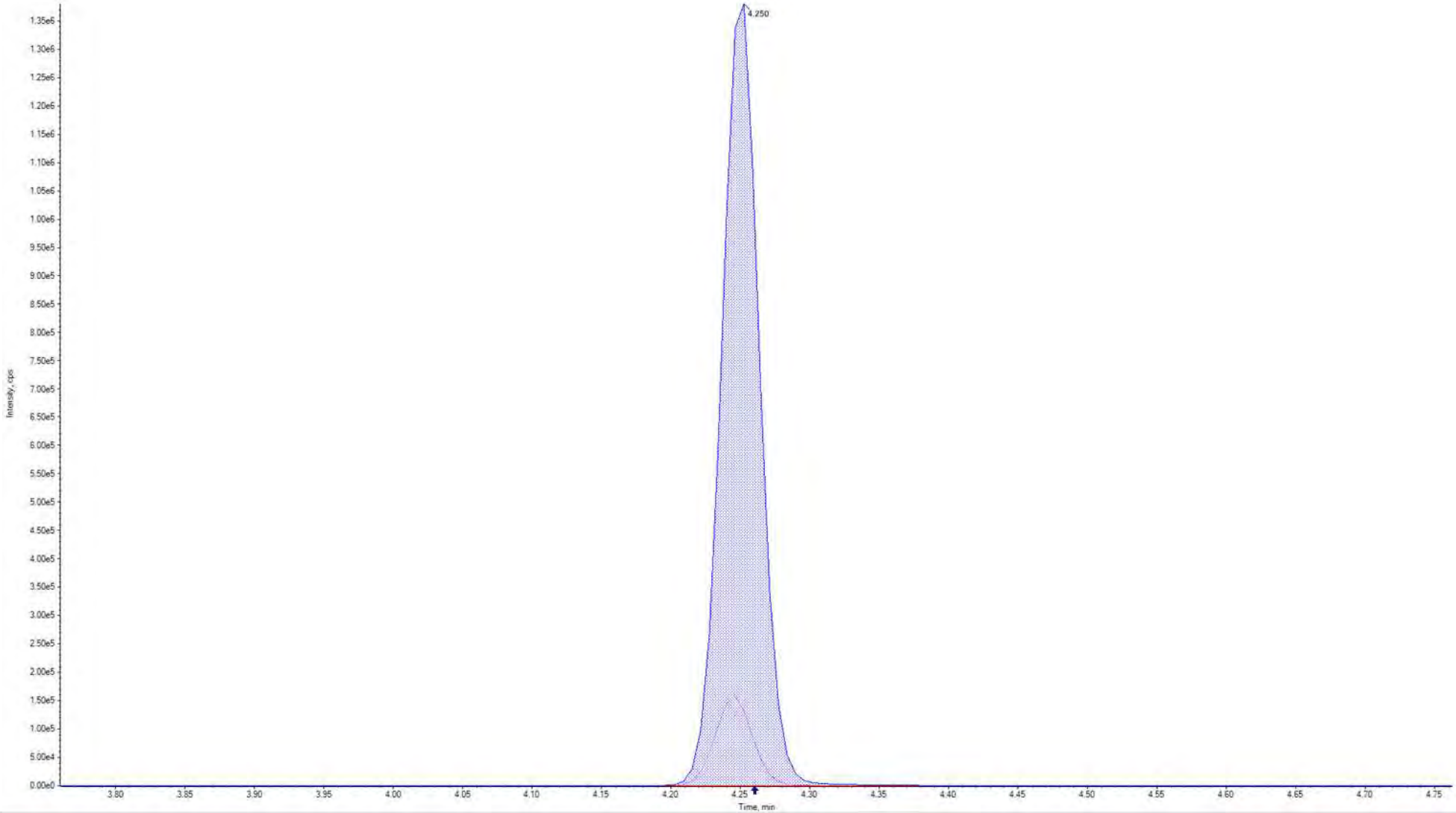
PFUnA
Sample: IA1633STD-12.5 S/N:31127.9 Points Across peak:35



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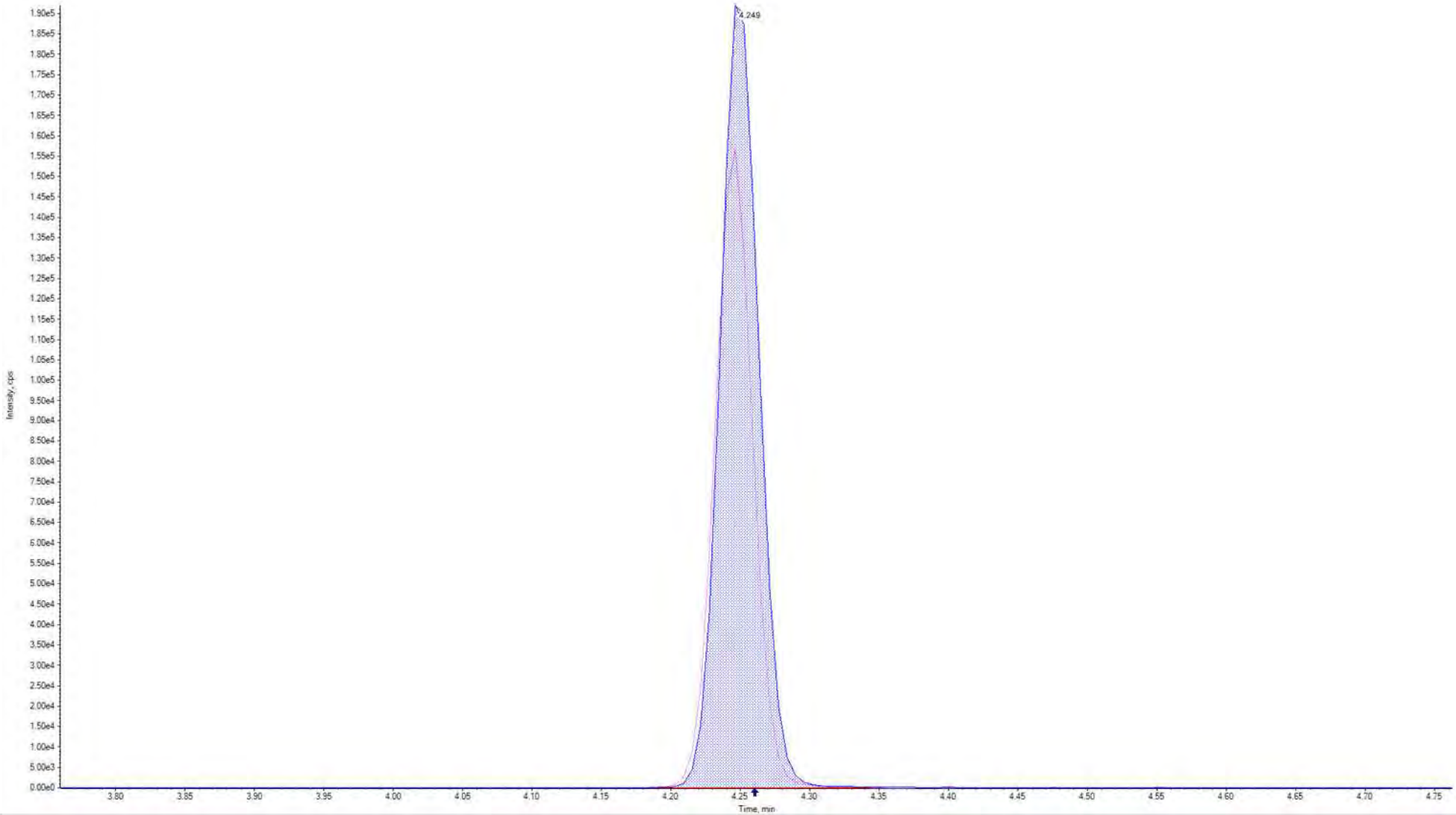
PFUnA_2
Sample: IA1633STD-12.5 S/N:4331.0 Points Across peak:32



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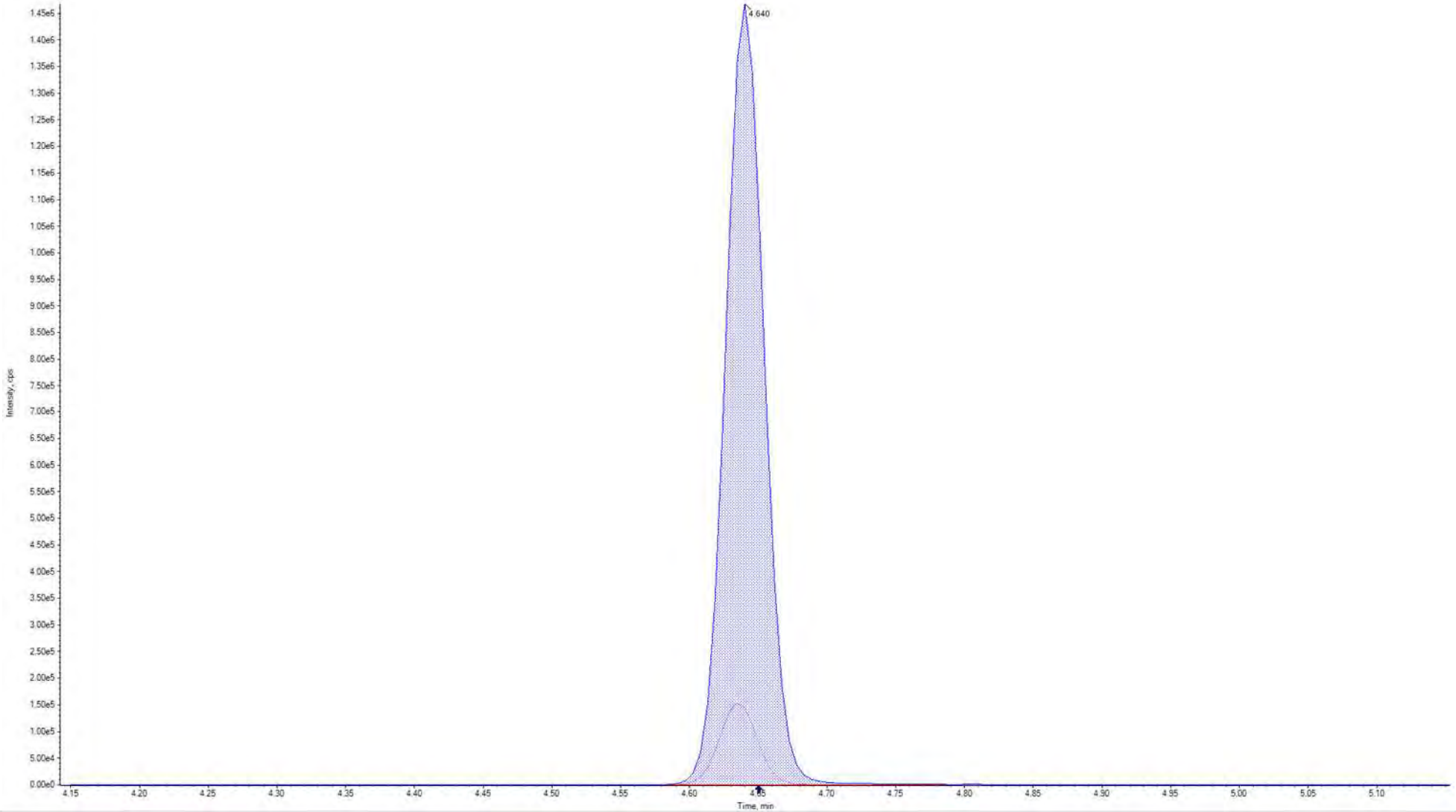
PFDoA
Sample: IA1633STD-12.5 S/N:19054.7 Points Across peak:43



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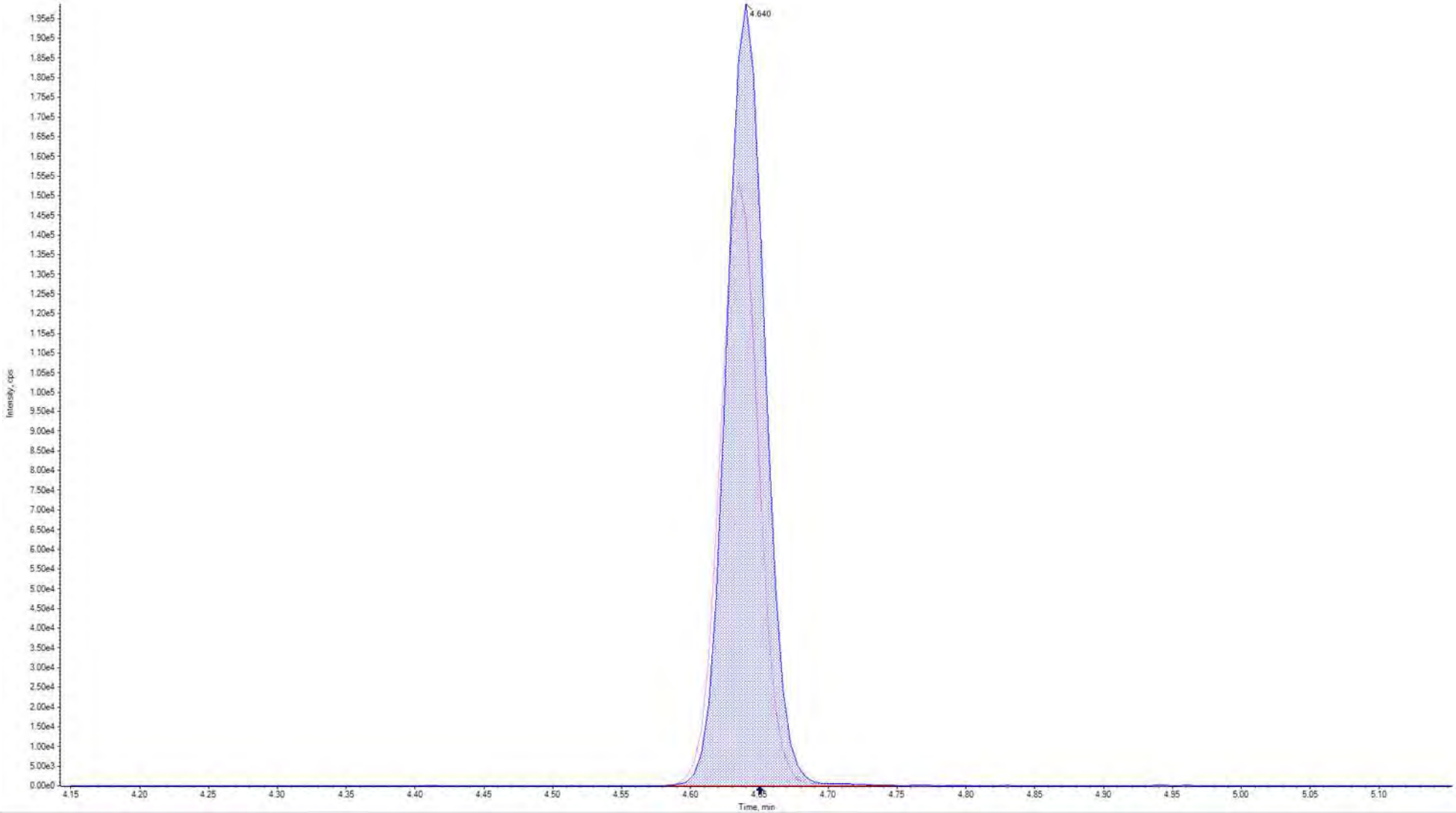
PFDoA_2
Sample: IA1633STD-12.5 S/N:4604.8 Points Across peak:37



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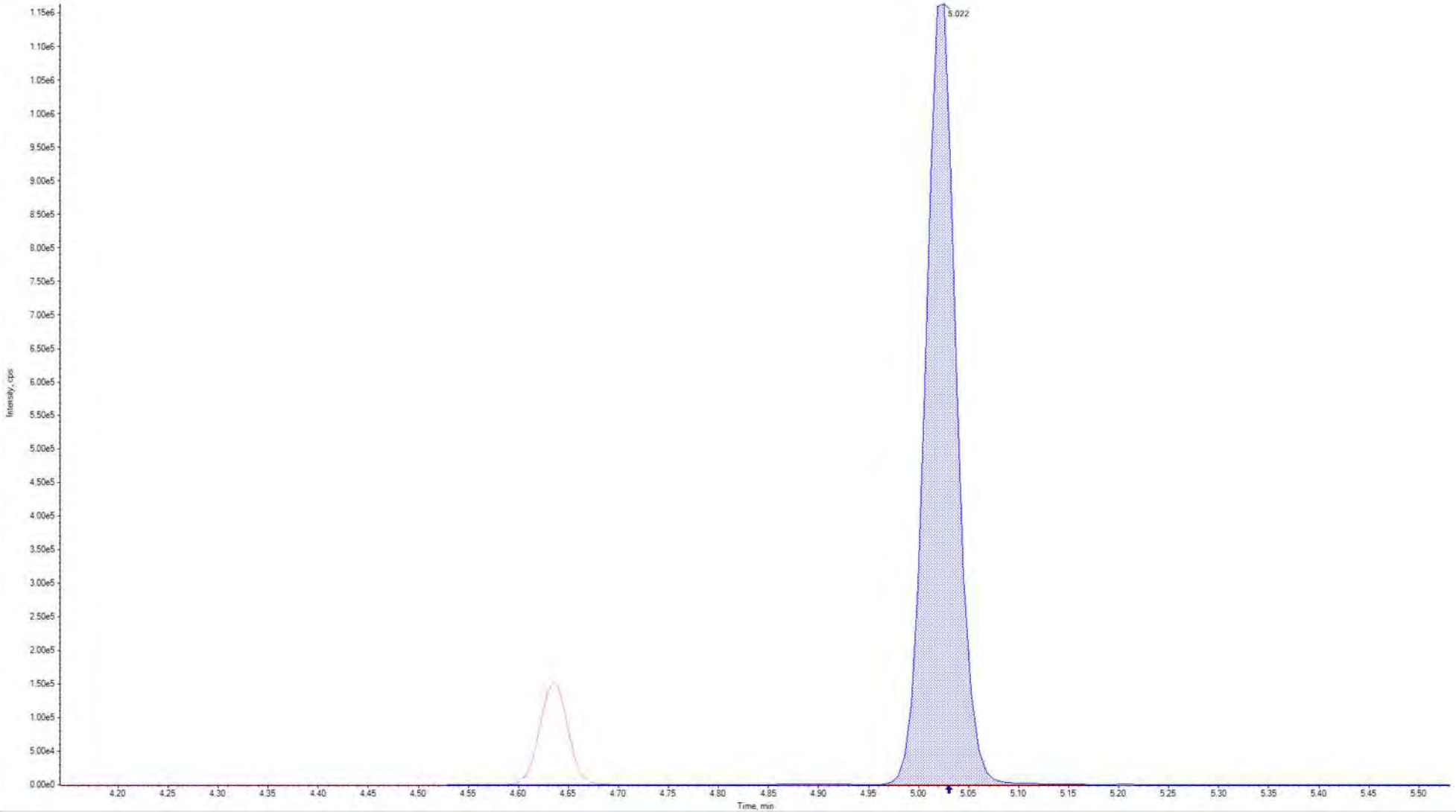
PFTrDA
Sample: IA1633STD-12.5 S/N:11019.6 Points Across peak:34



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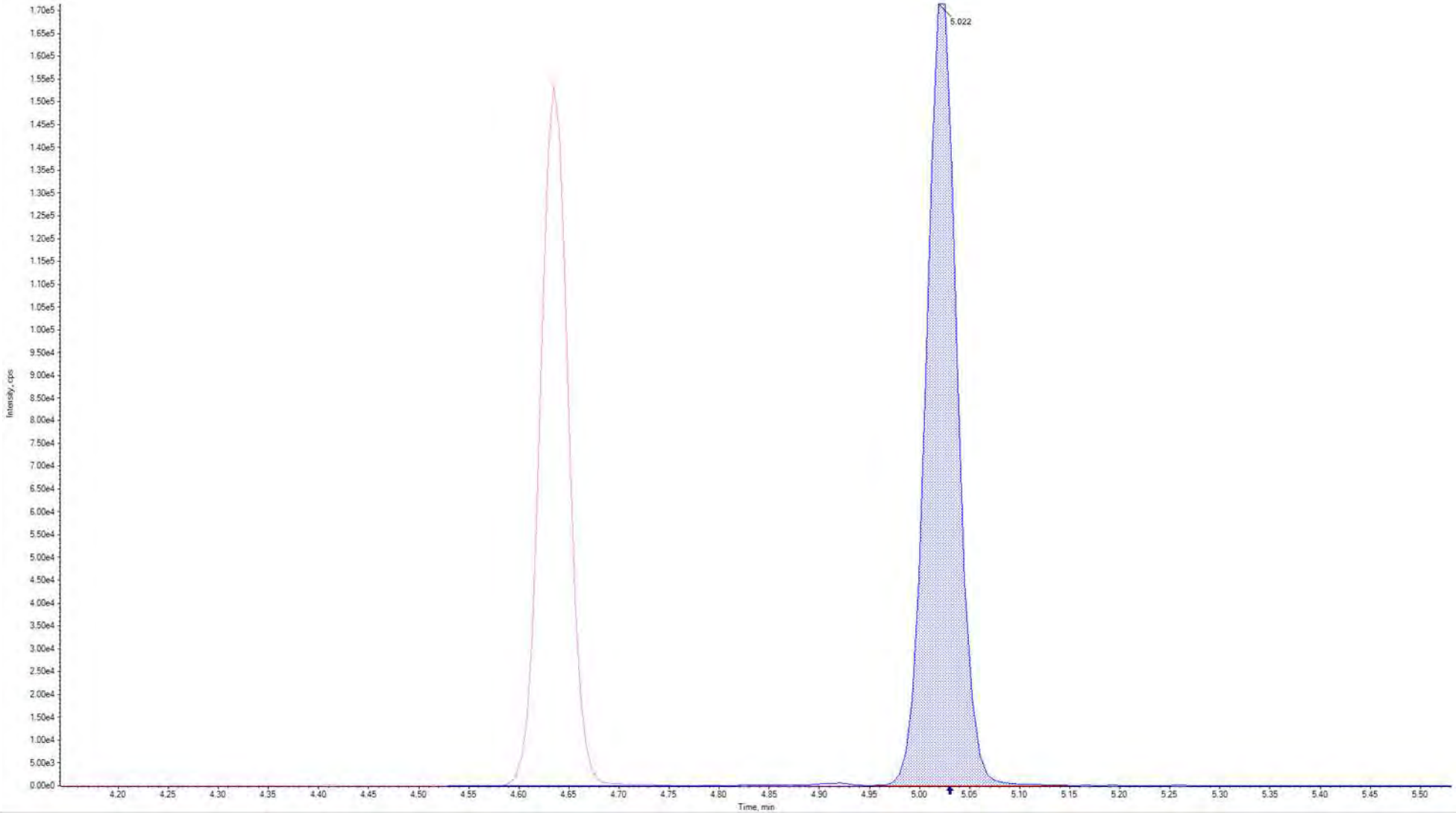
PFTrDA_2
Sample: IA1633STD-12.5 S/N:3413.4 Points Across peak:30



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PFTeDA
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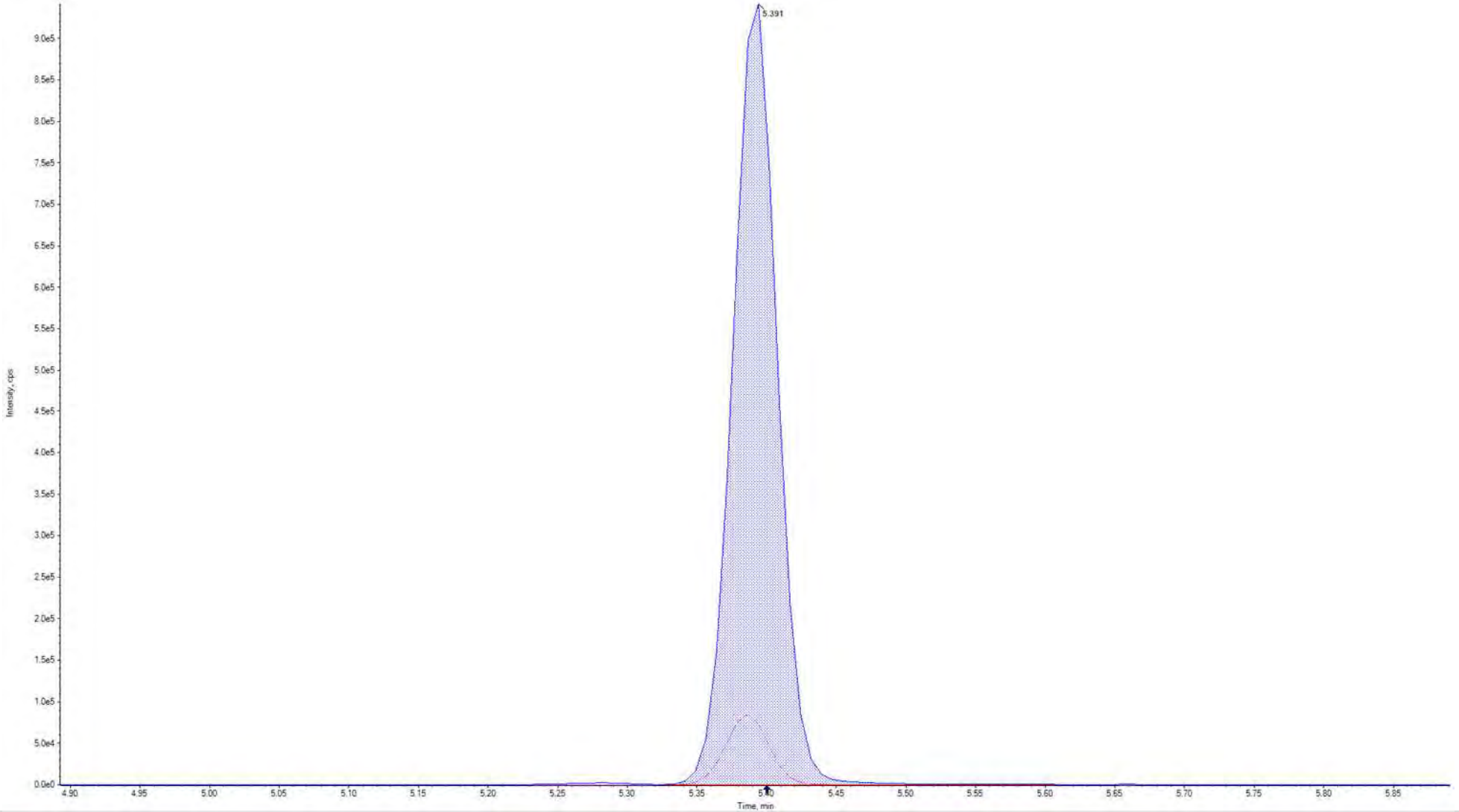

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PFTeDA_2
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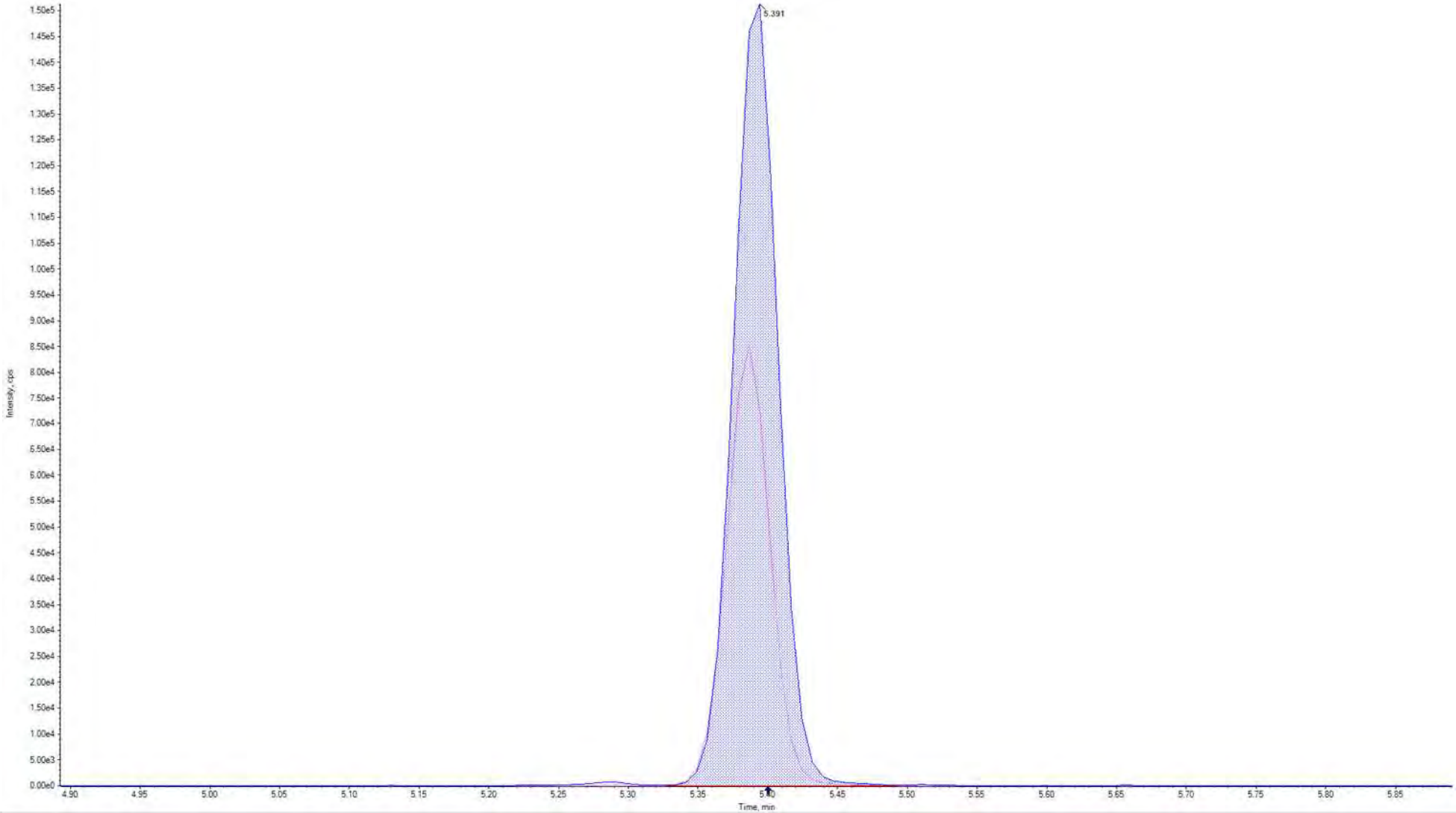

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PFBS
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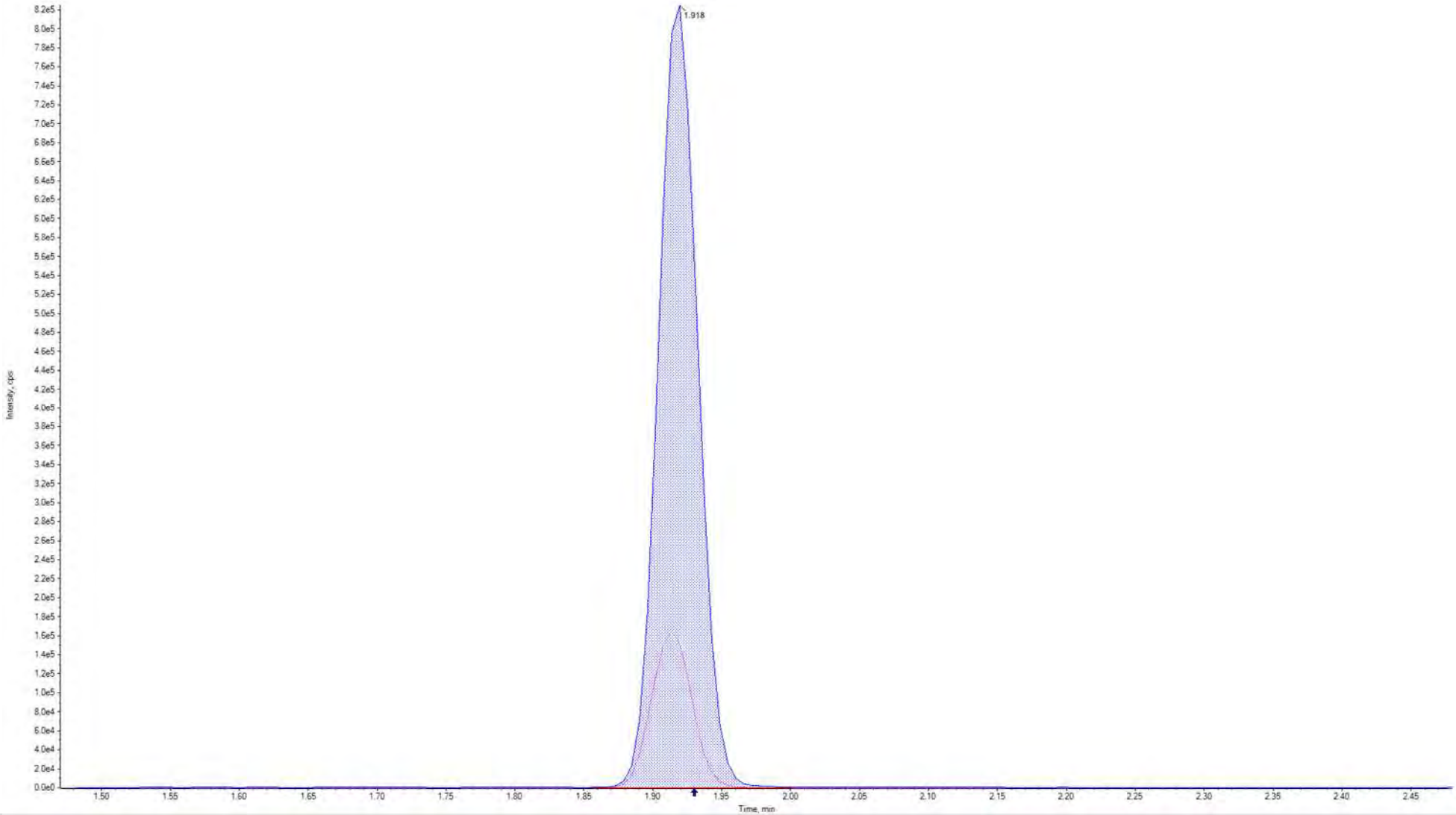

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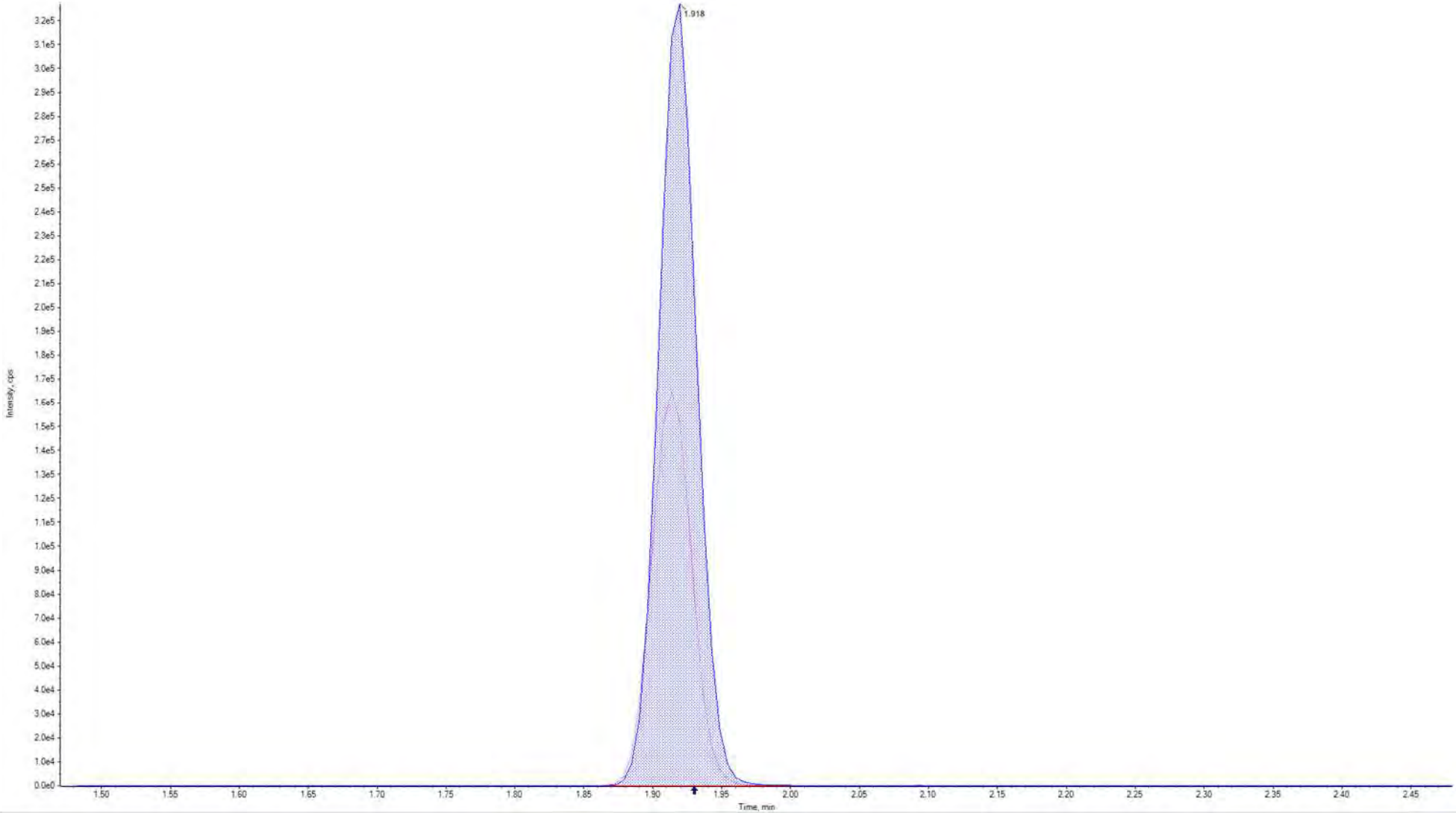
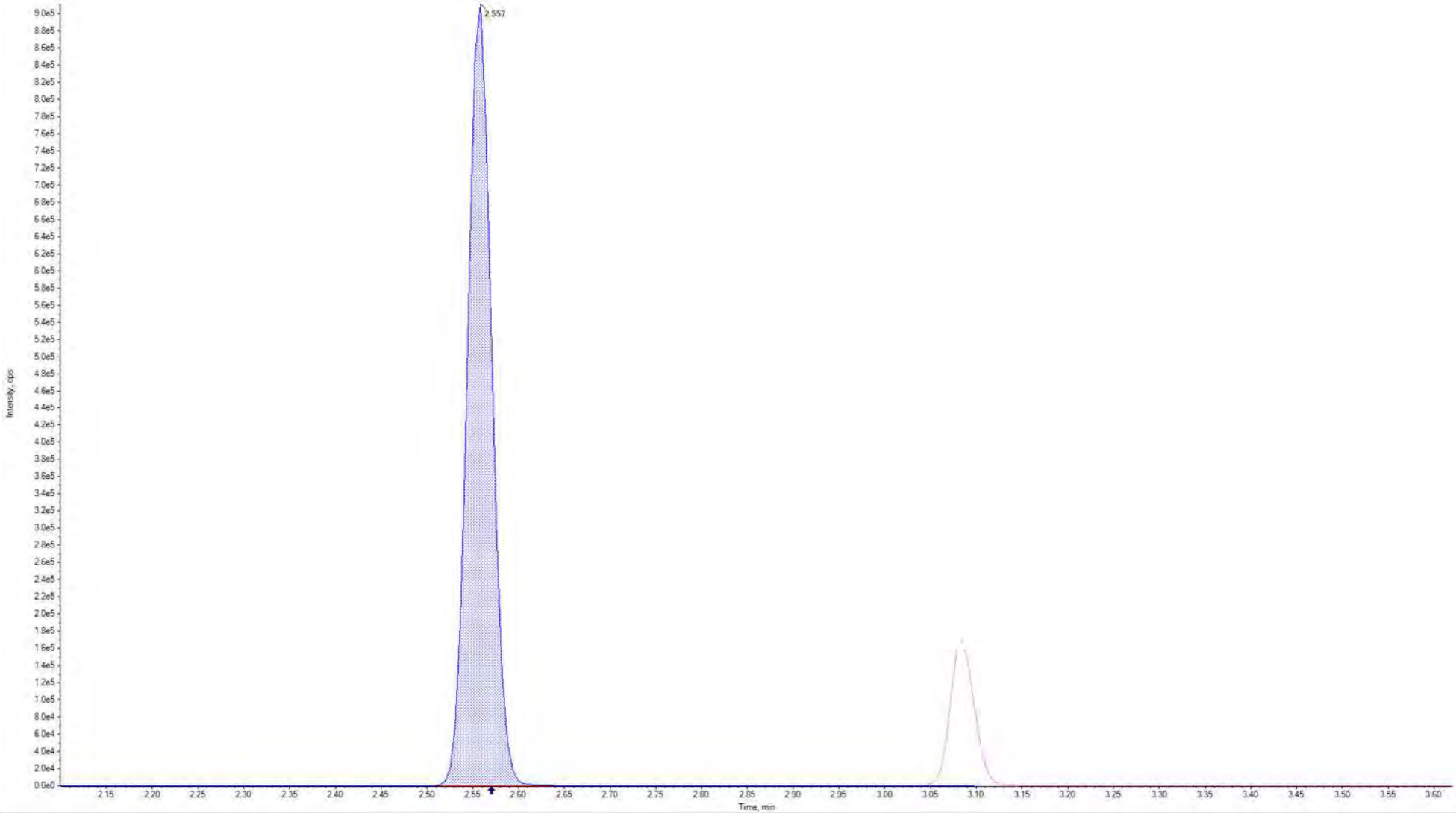
PFBS_2
Sample: IA1633STD-12.5 S/N:5019.2 Points Across peak:29



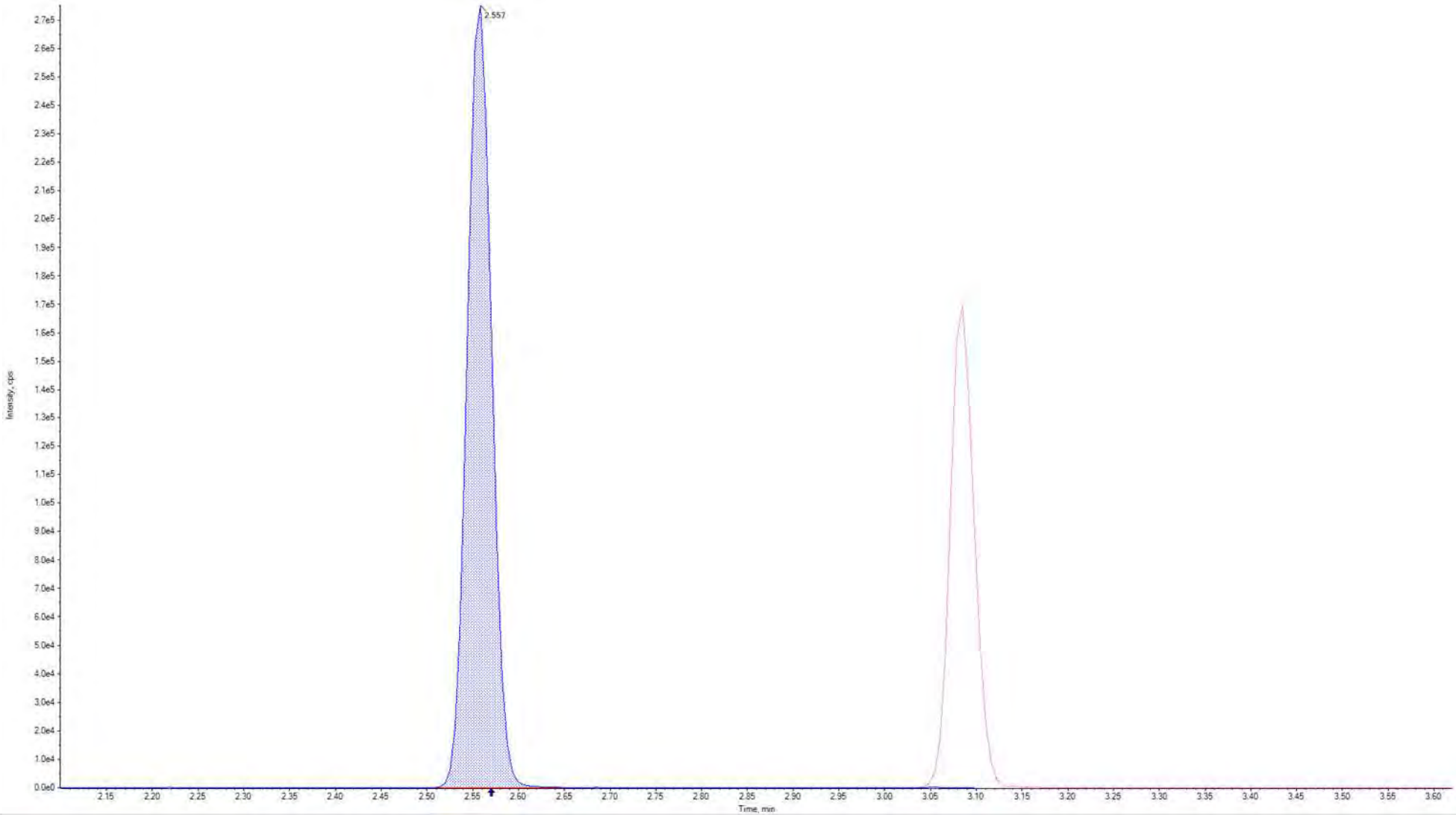
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFPeS
Sample: IA1633STD-12.5 S/N:5107.7 Points Across peak:33



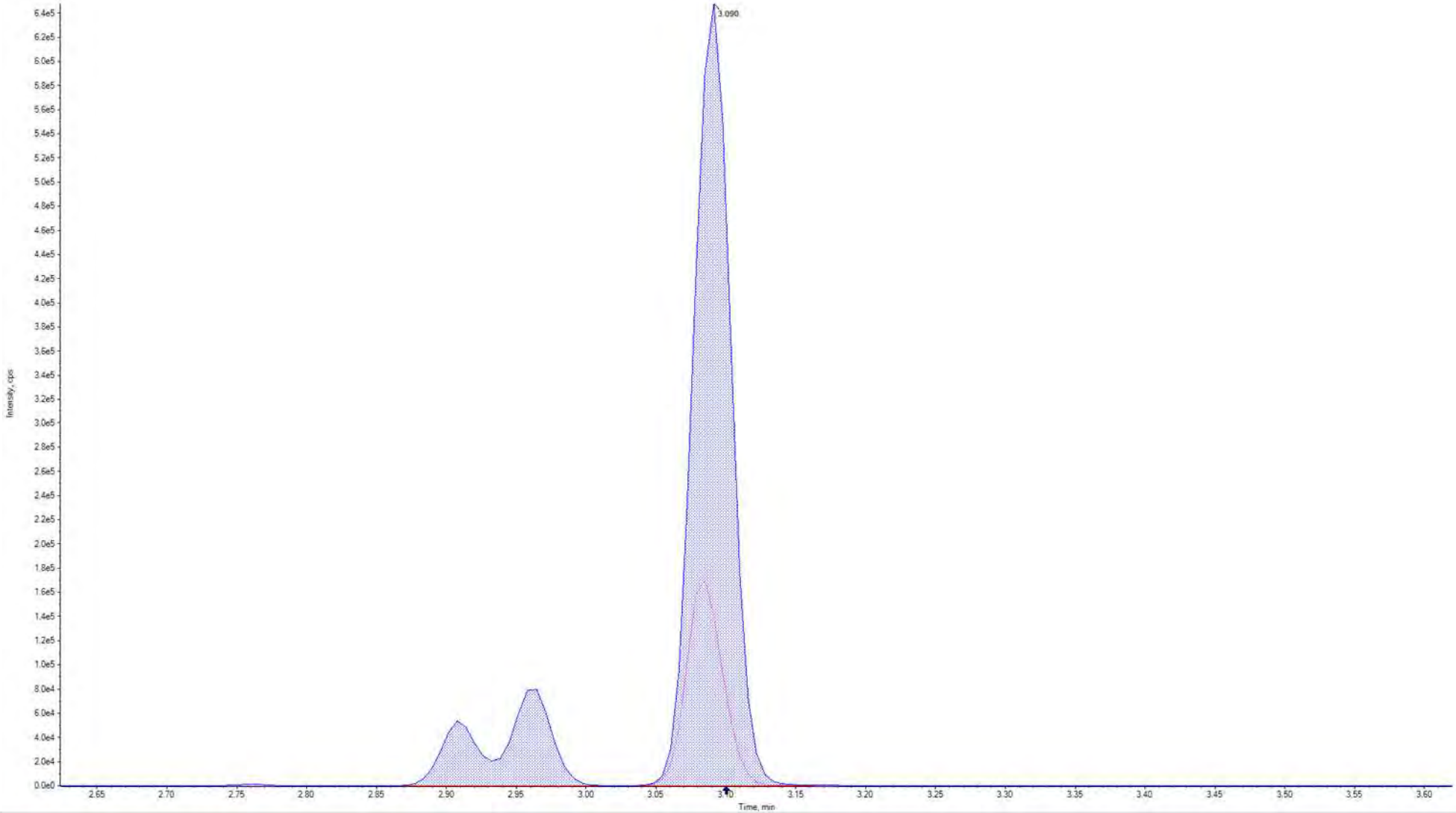
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFPeS_2
Sample: IA1633STD-12.5 S/N:3812.3 Points Across peak:28



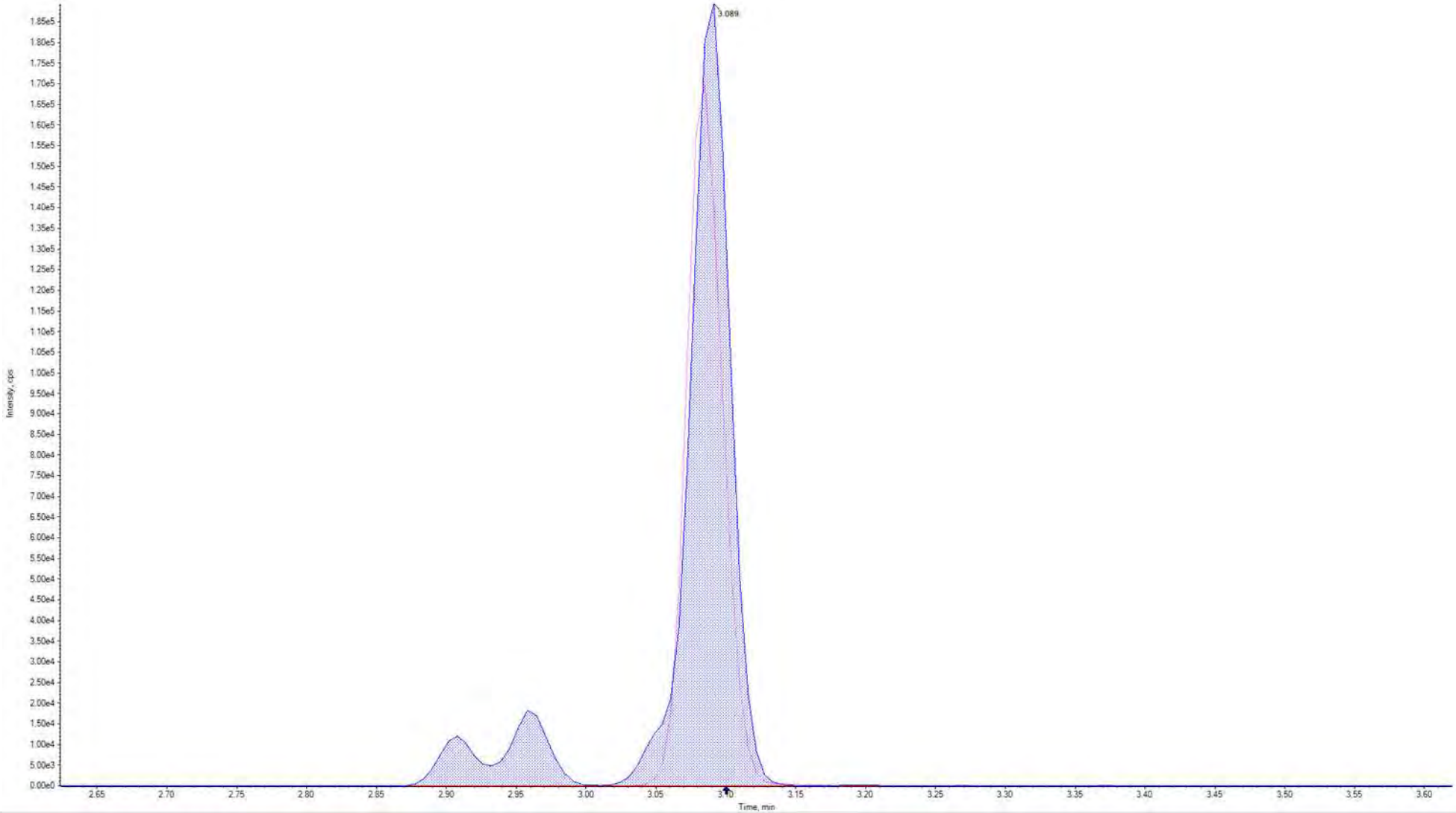
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHxS
Sample: IA1633STD-12.5 S/N:1219.7 Points Across peak:51



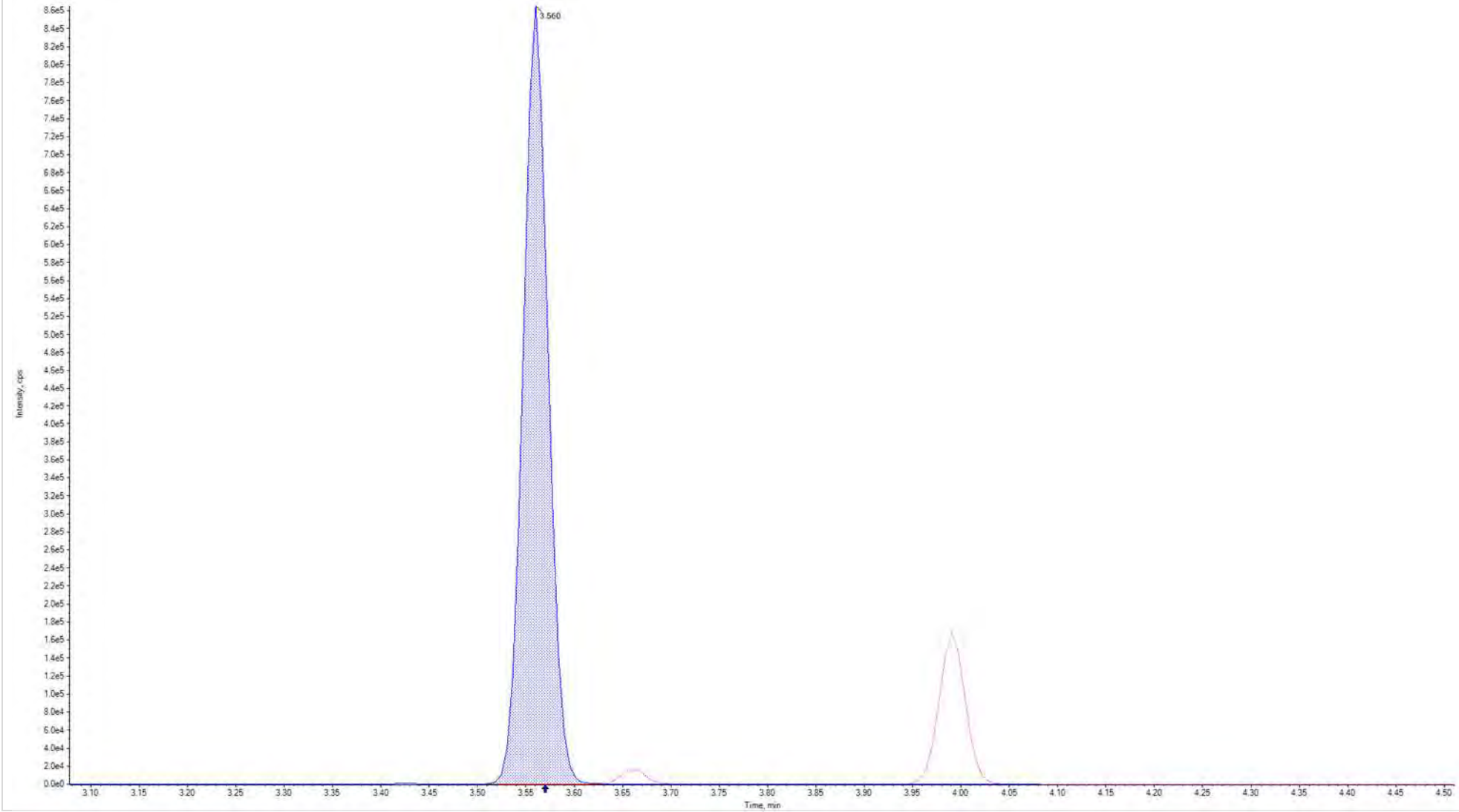
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHxS_2
Sample: IA1633STD-12.5 S/N:1736.0 Points Across peak:68



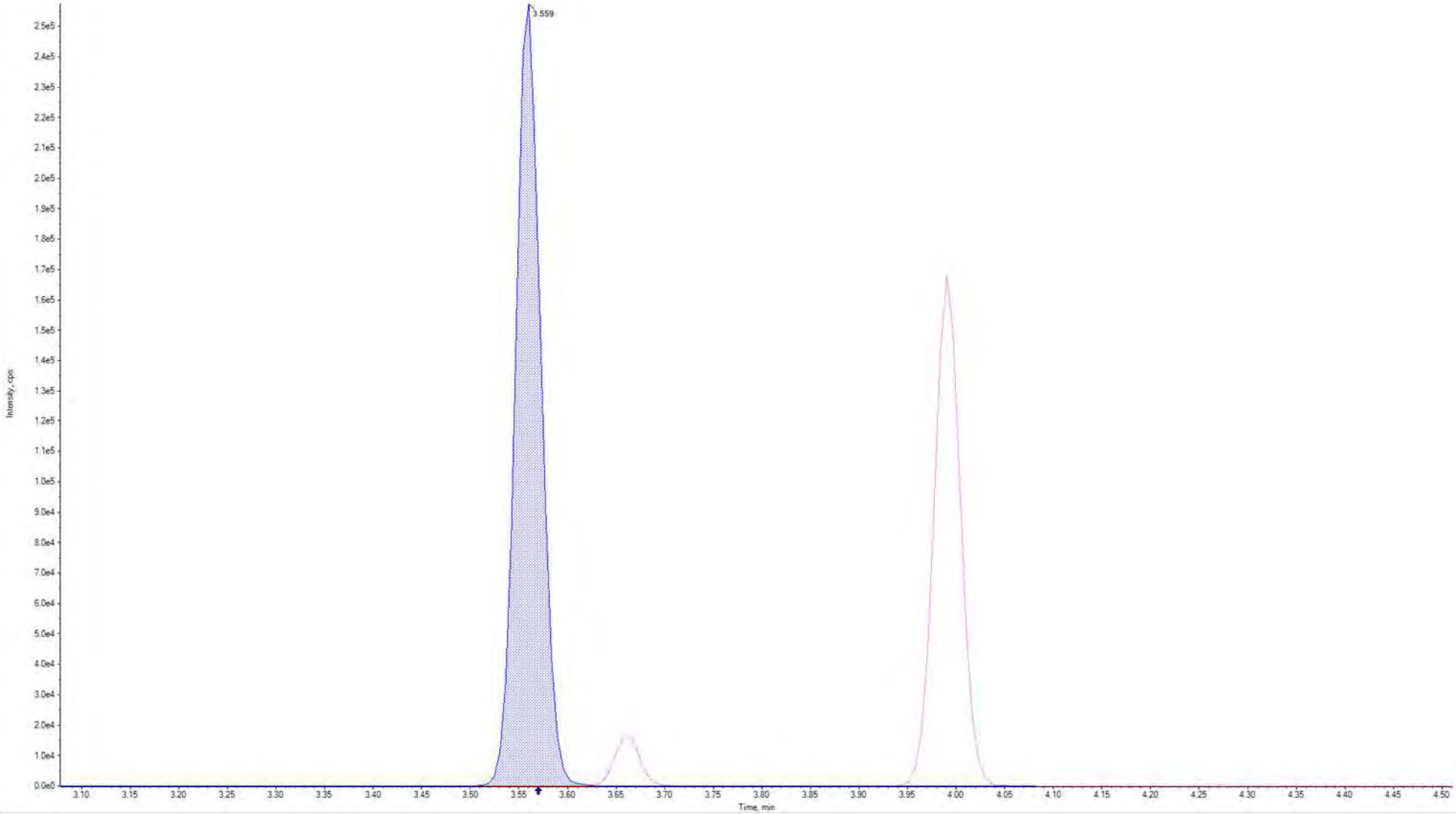
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHpS
Sample: IA1633STD-12.5 S/N:6243.0 Points Across peak:26



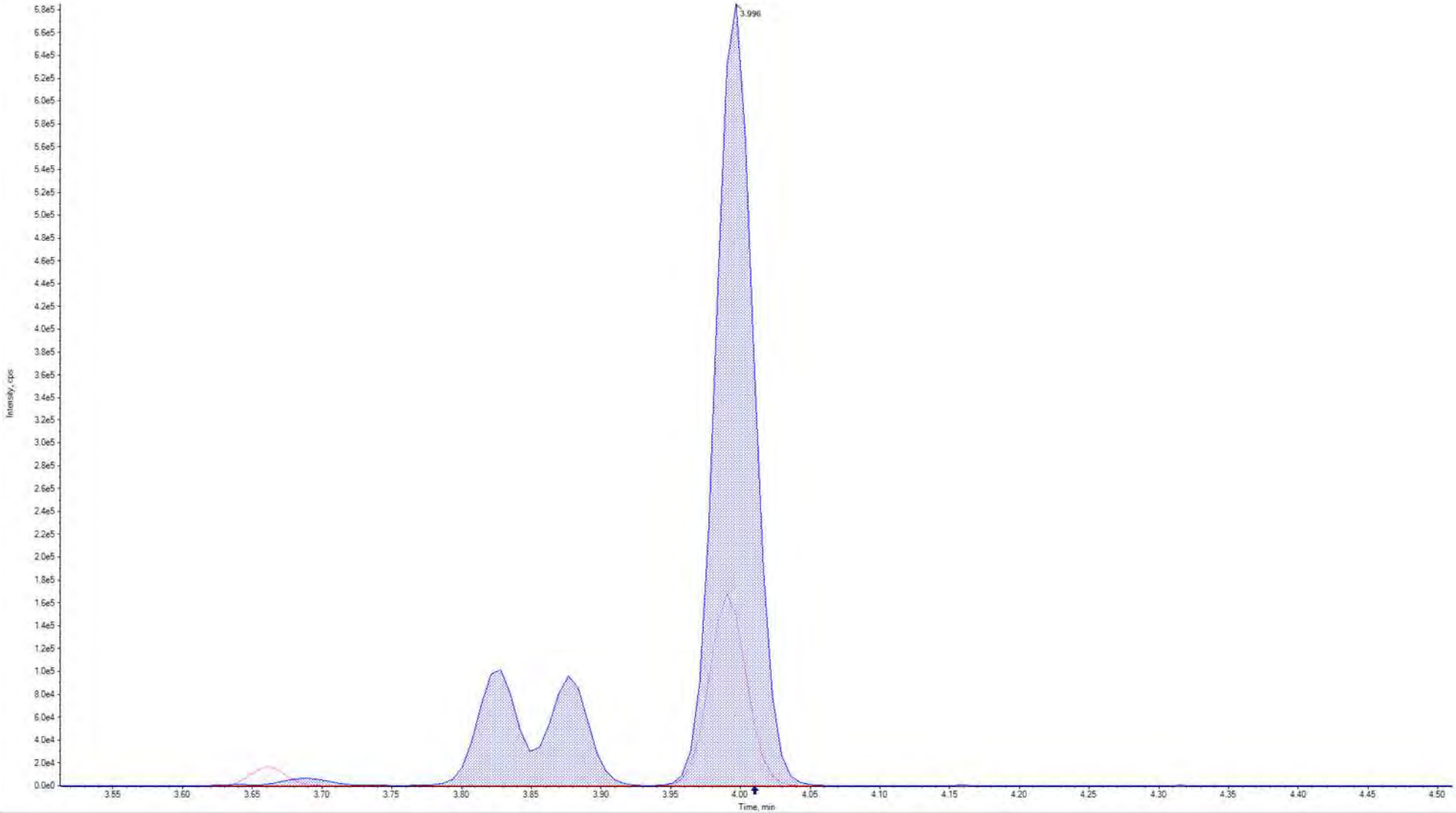
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHpS_2
Sample: IA1633STD-12.5 S/N:5161.8 Points Across peak:27



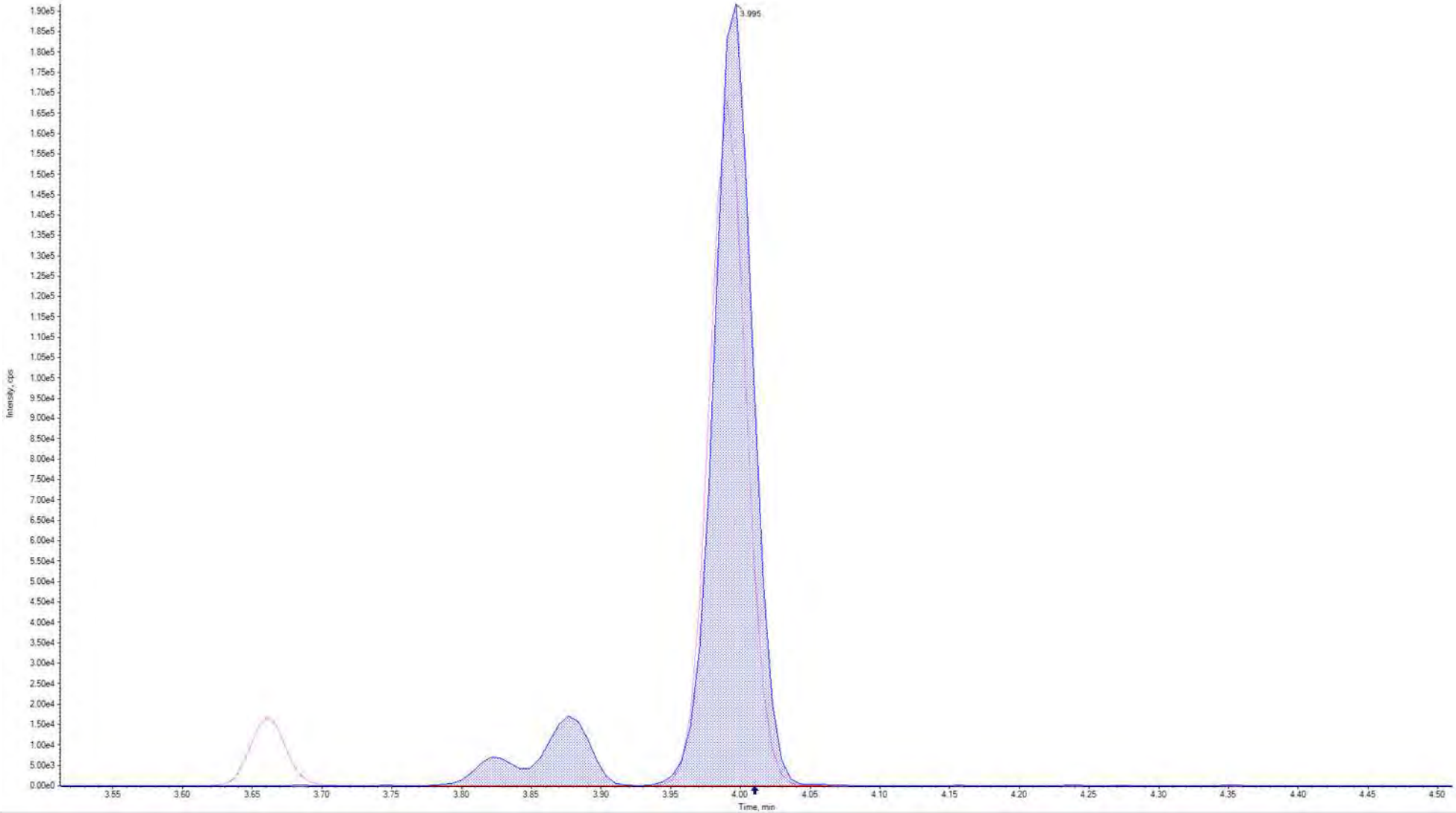
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOS
Sample: IA1633STD-12.5 S/N:593.0 Points Across peak:75



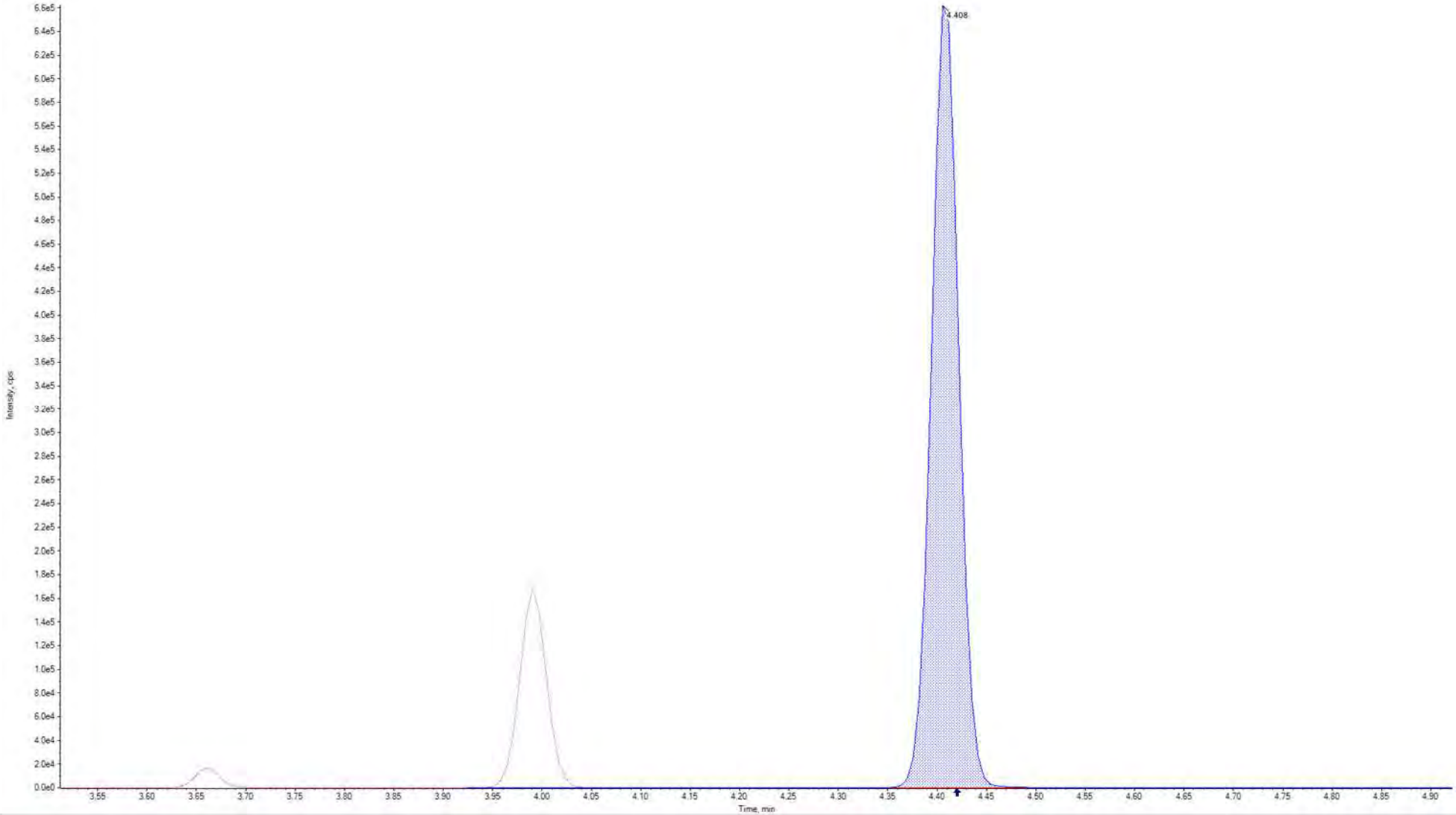
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOS_2
Sample: IA1633STD-12.5 S/N:1258.0 Points Across peak:45



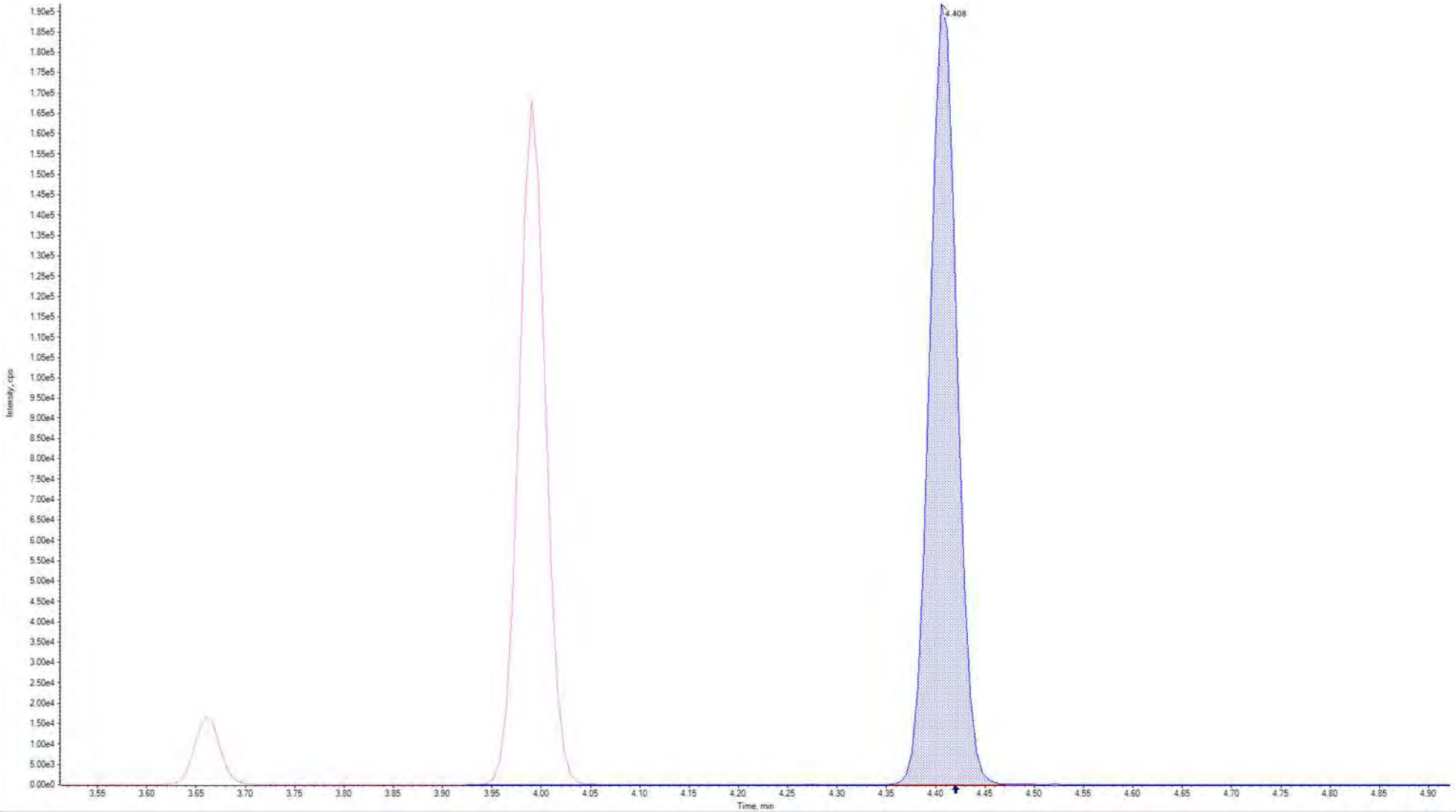
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFNS
Sample: IA1633STD-12.5 S/N:7699.3 Points Across peak:33



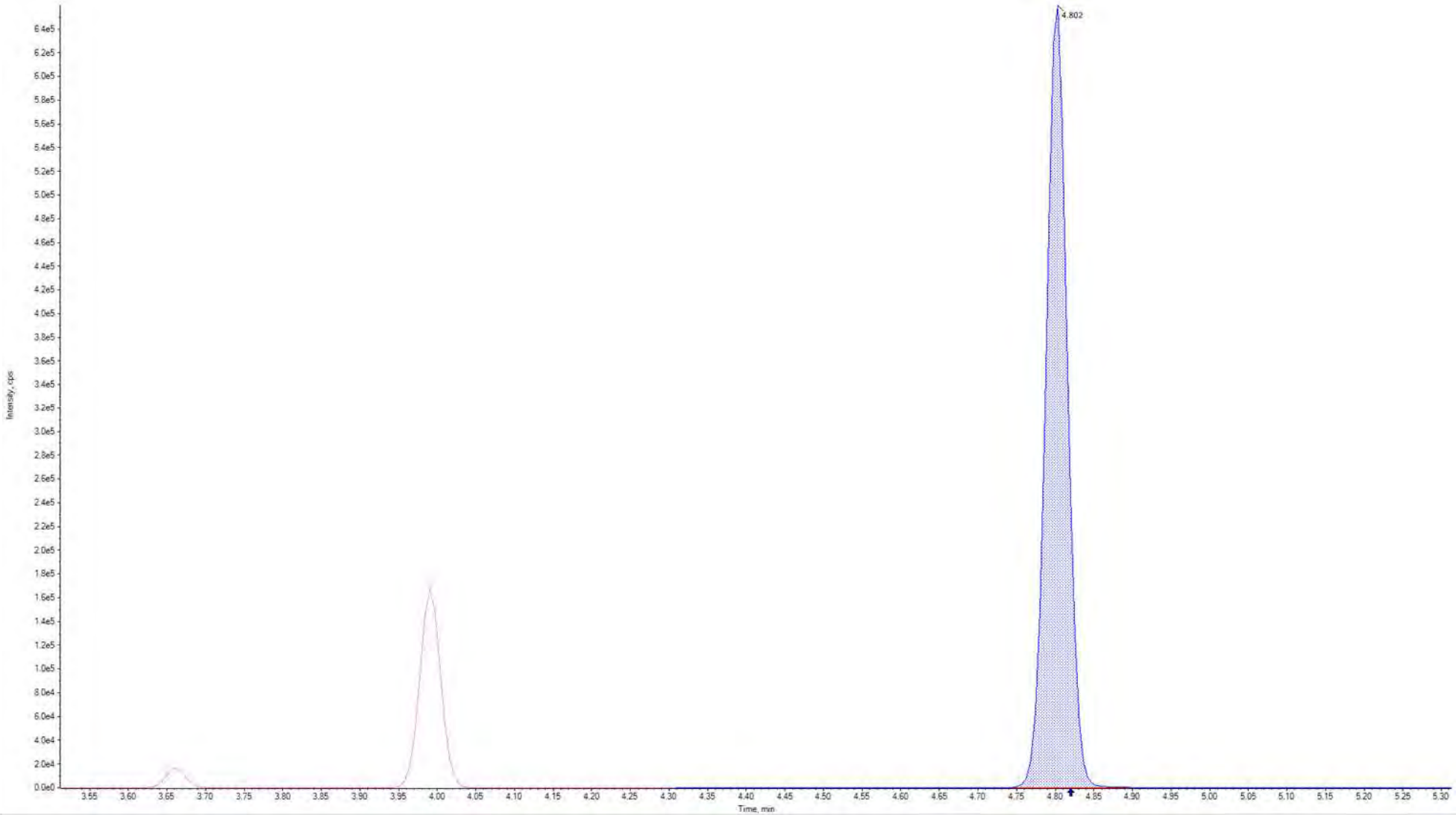
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFNS_2
Sample: IA1633STD-12.5 S/N:4809.8 Points Across peak:27



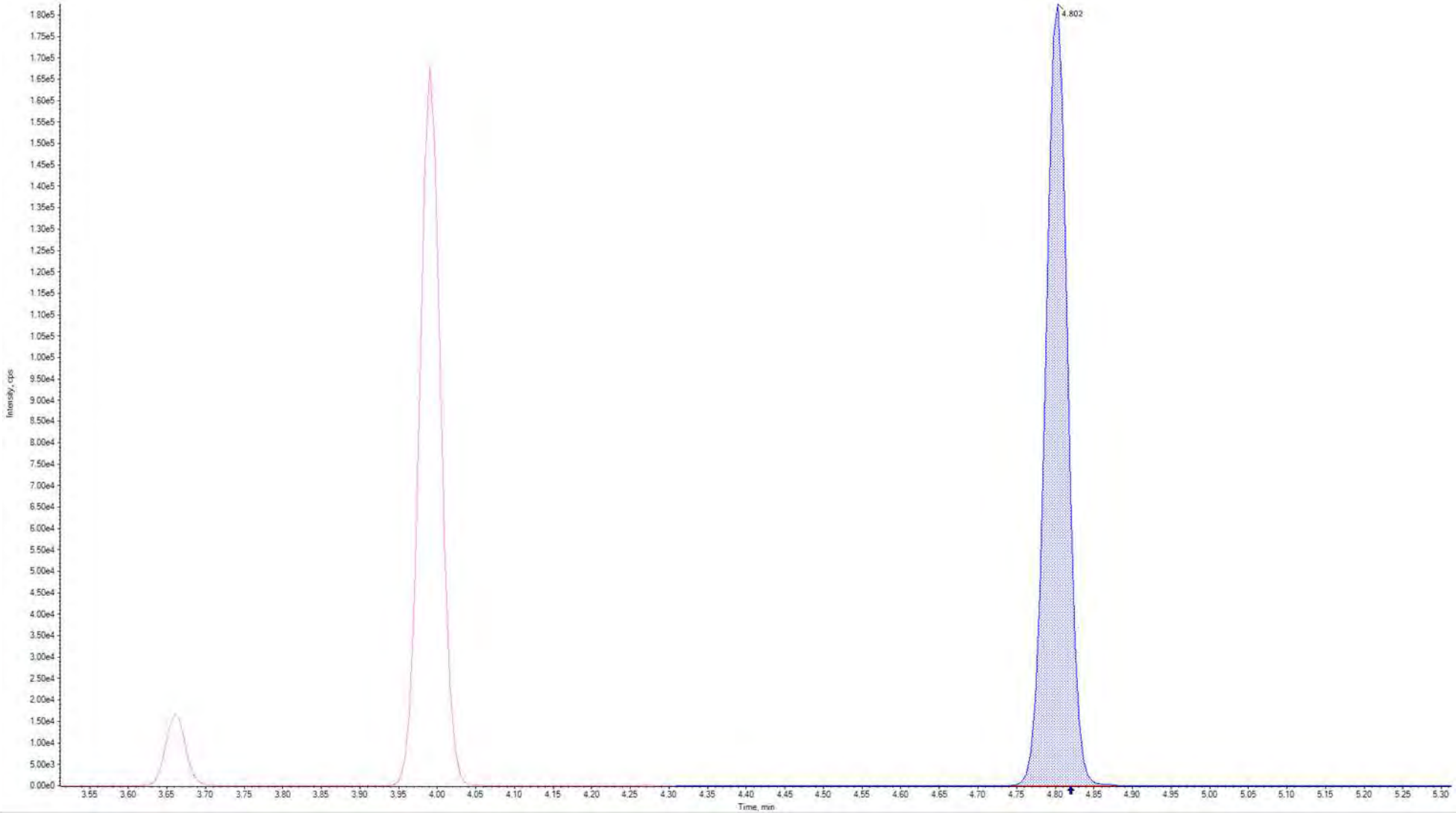
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDS
Sample: IA1633STD-12.5 S/N:23159.2 Points Across peak:33



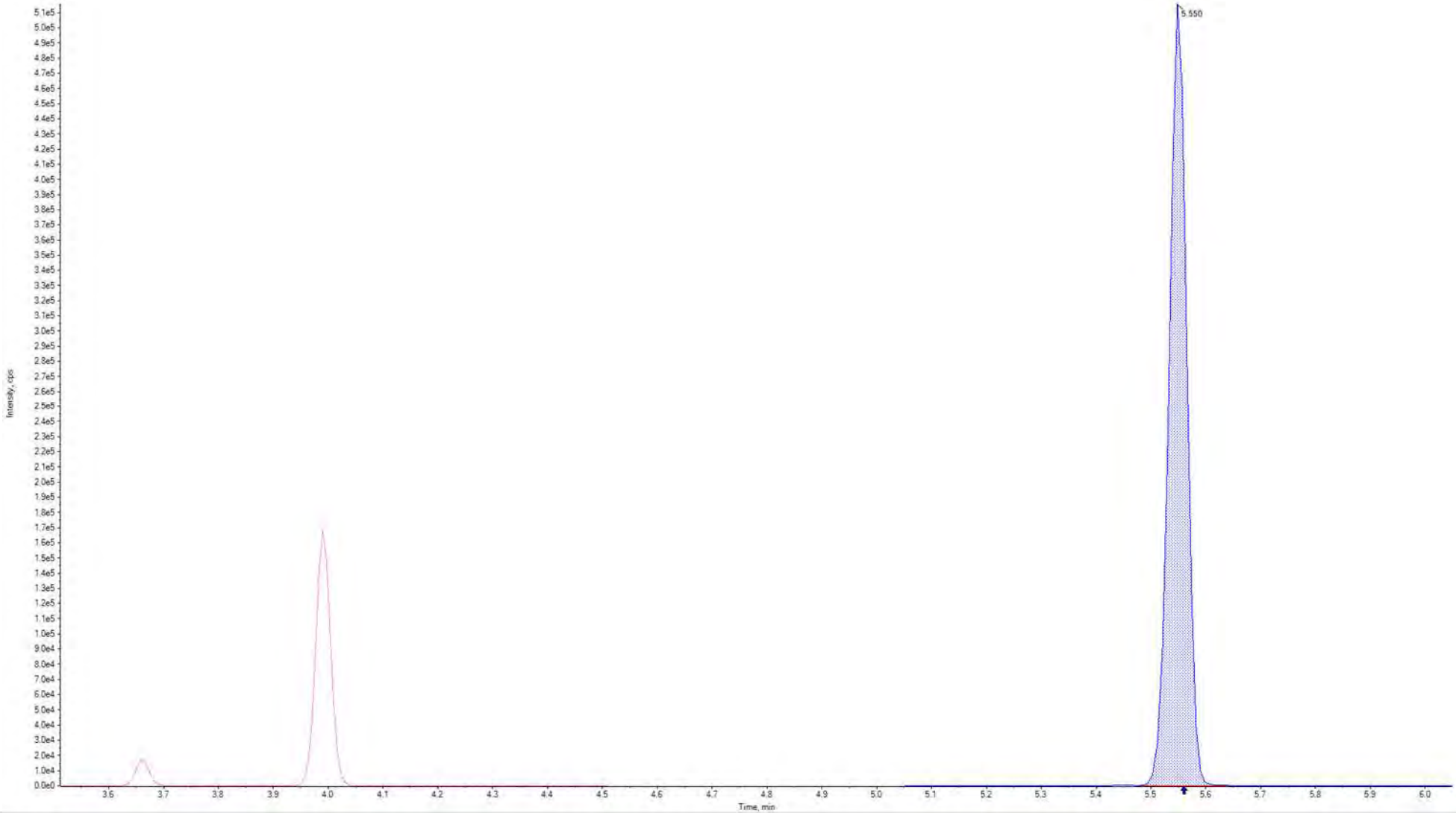
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDS_2
Sample: IA1633STD-12.5 S/N:6407.2 Points Across peak:38



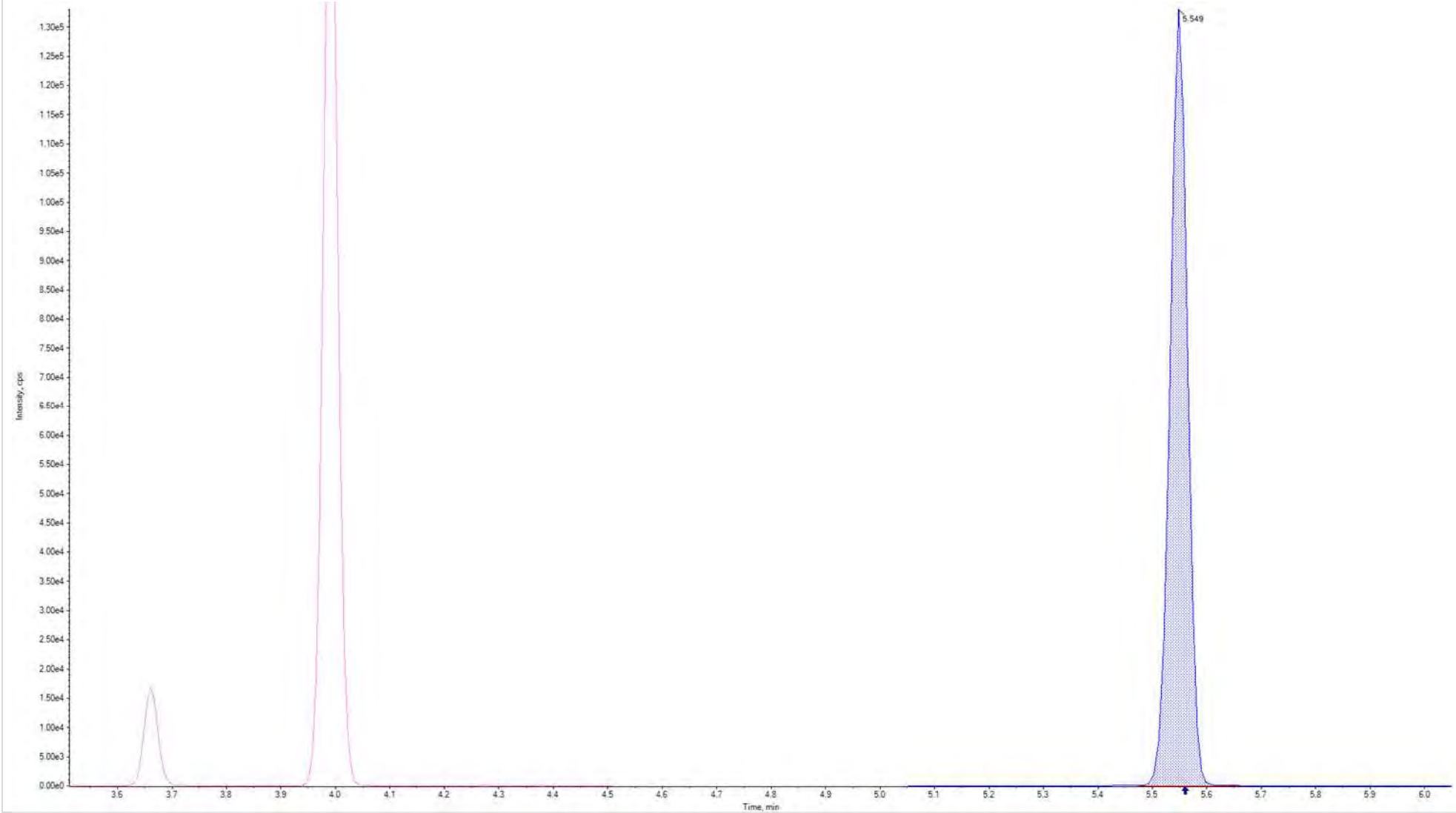
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoS
Sample: IA1633STD-12.5 S/N:16086.1 Points Across peak:28



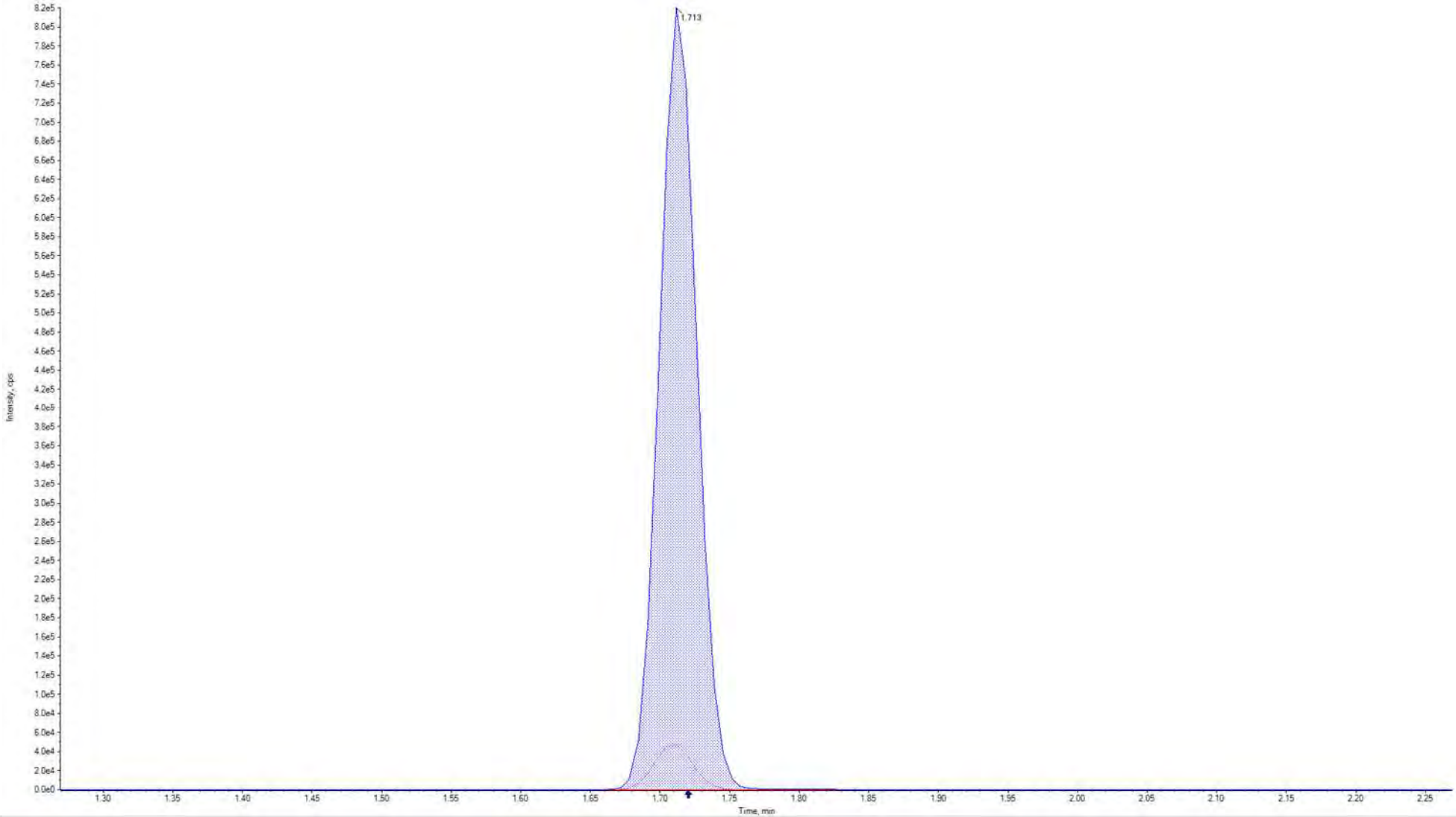
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoS_2
Sample: IA1633STD-12.5 S/N:10341.7 Points Across peak:25



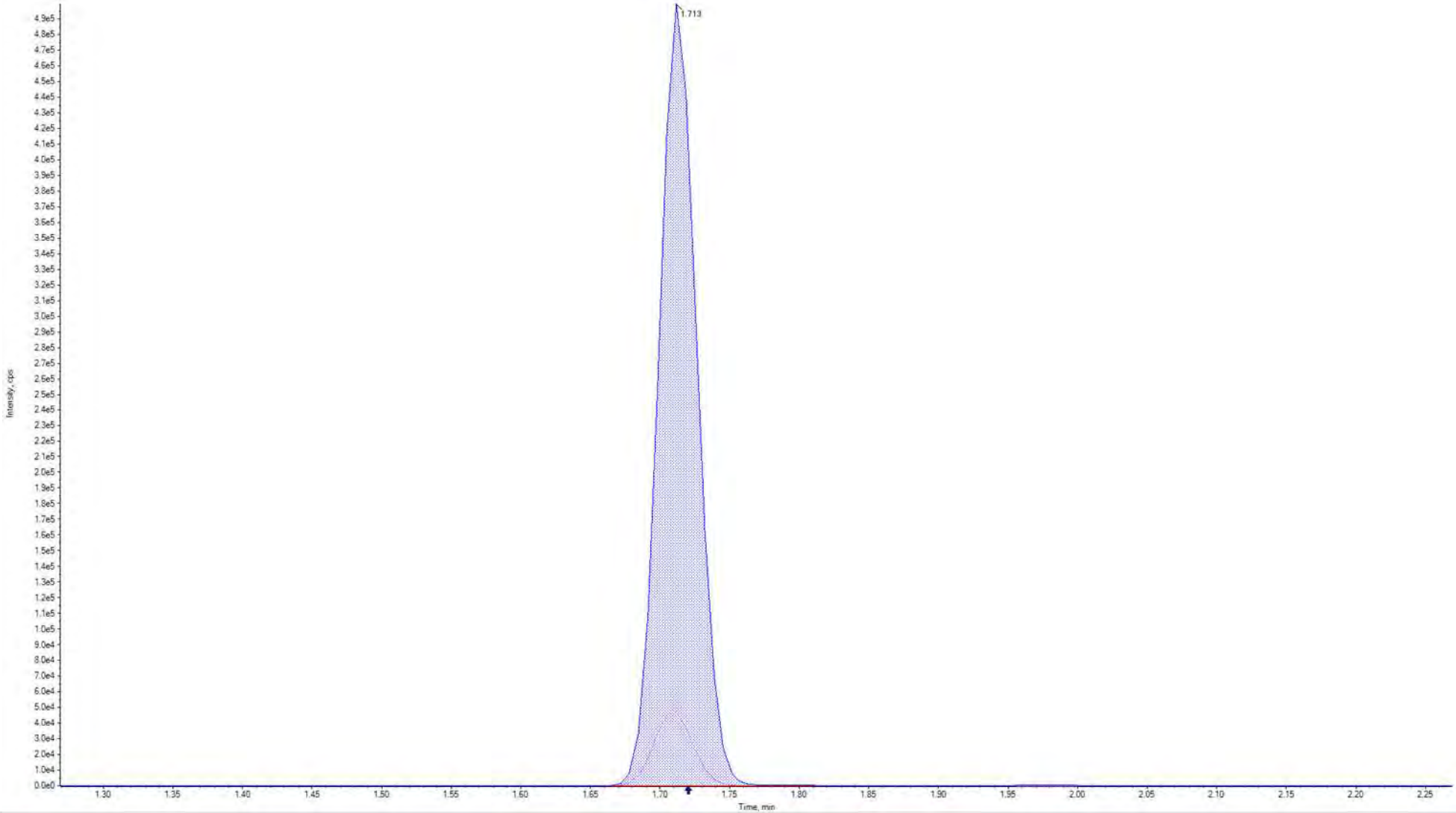
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

4:2FTS
Sample: IA1633STD-12.5 S/N:30838.1 Points Across peak:40



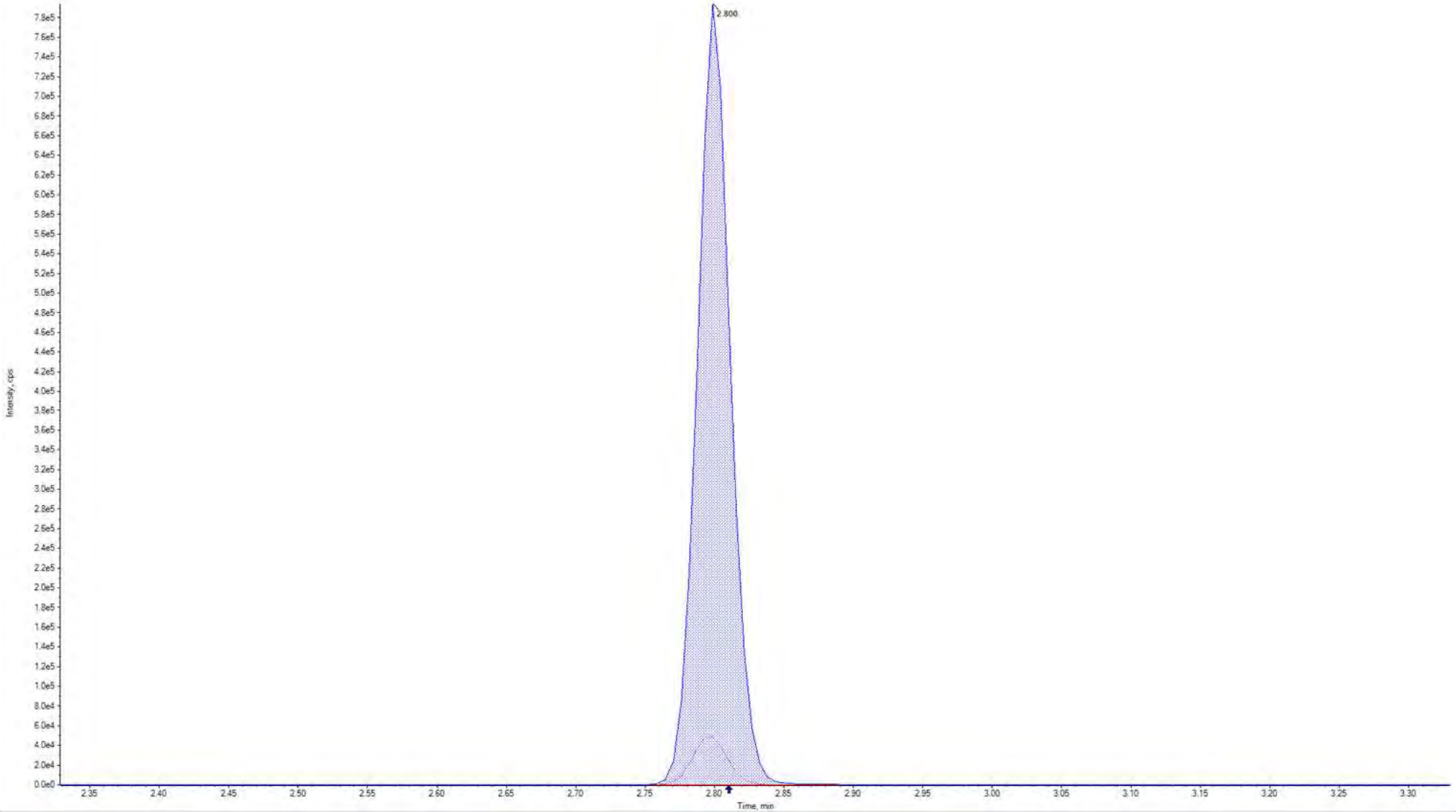
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

4:2FTS_2
Sample: IA1633STD-12.5 S/N:5890.8 Points Across peak:34



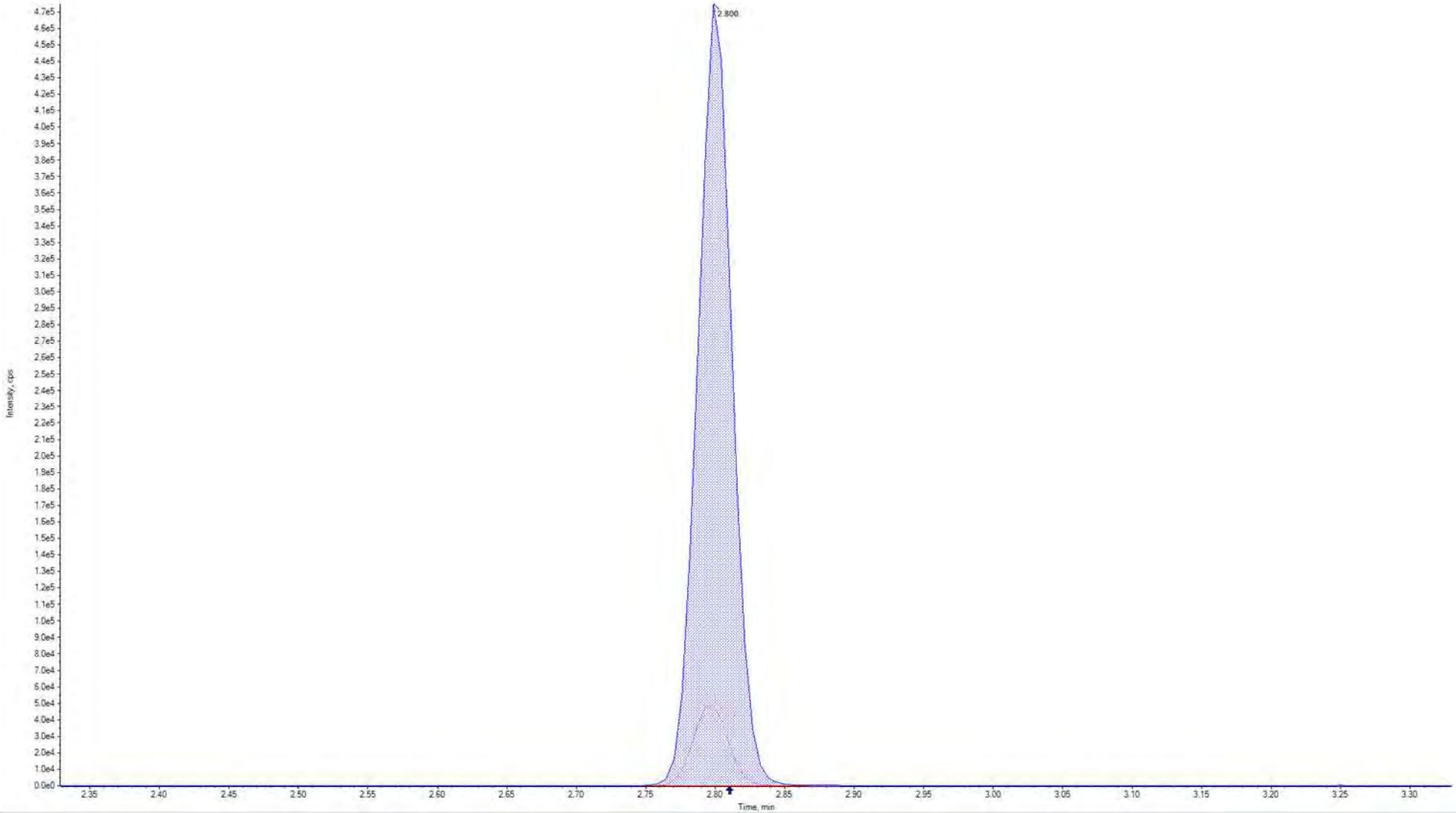
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

6:2FTS
Sample: IA1633STD-12.5 S/N:5350.2 Points Across peak:34



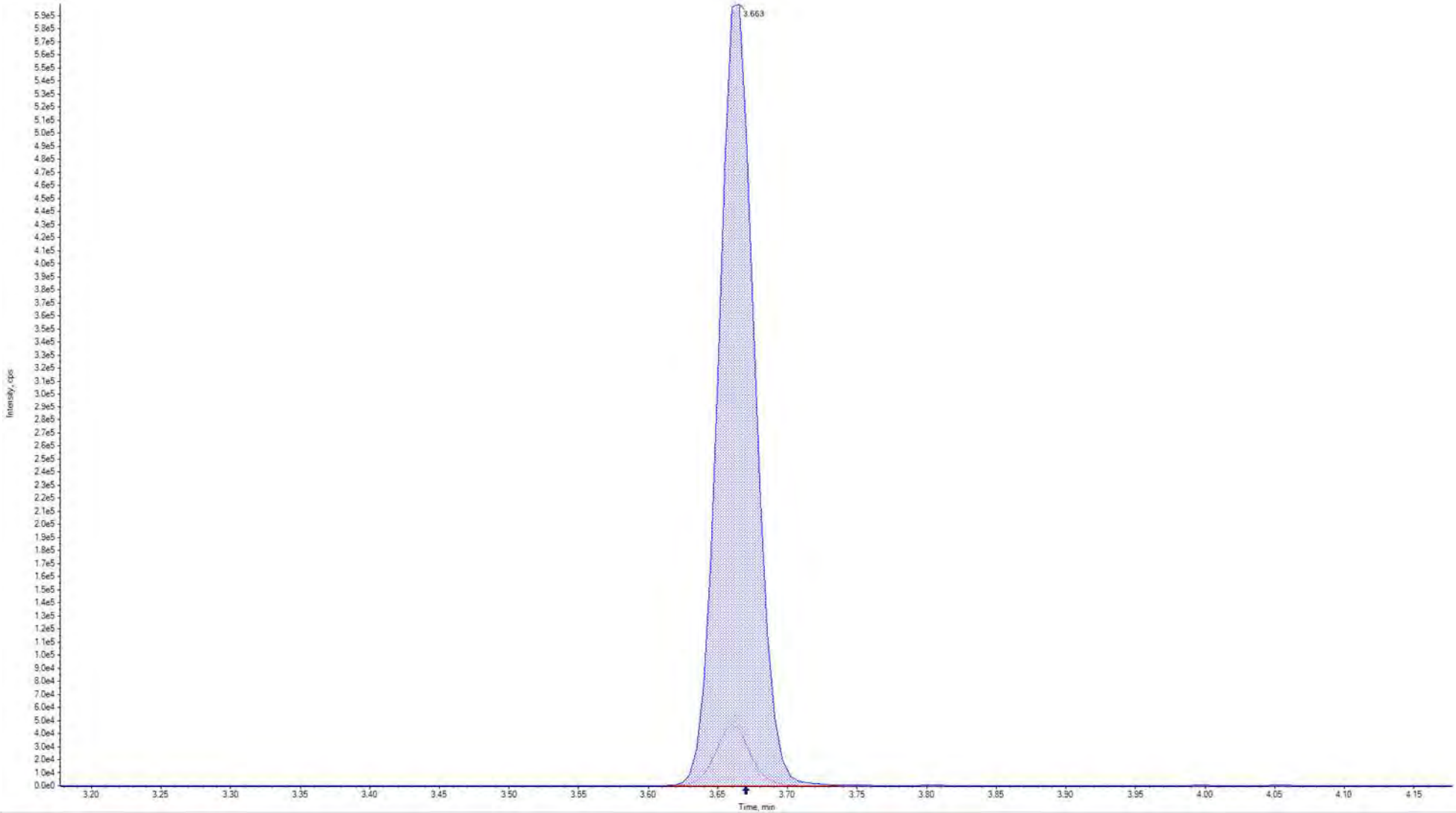
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

6:2FTS_2
Sample: IA1633STD-12.5 S/N:4291.3 Points Across peak:24



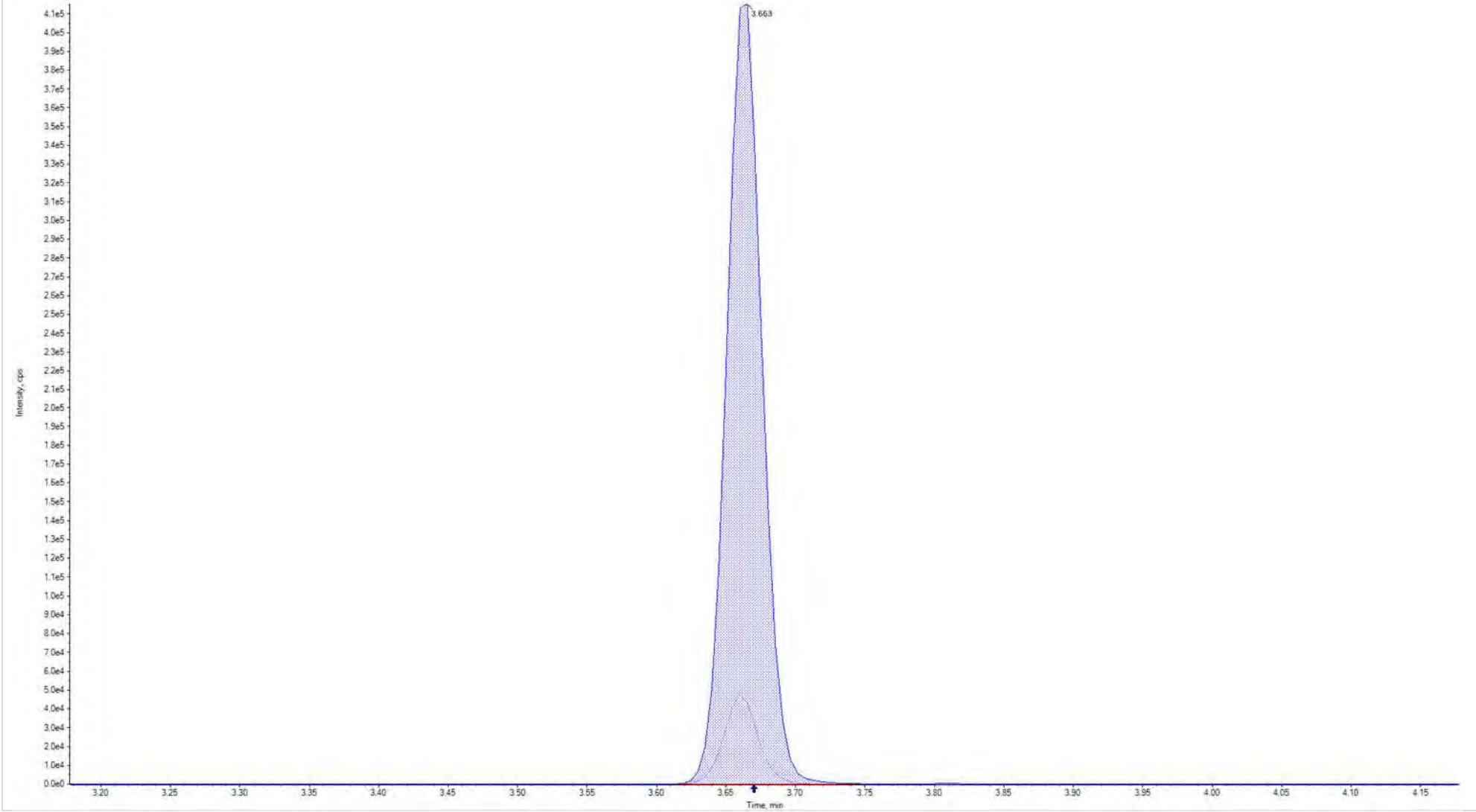
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

8:2FTS
Sample: IA1633STD-12.5 S/N:6069.4 Points Across peak:28



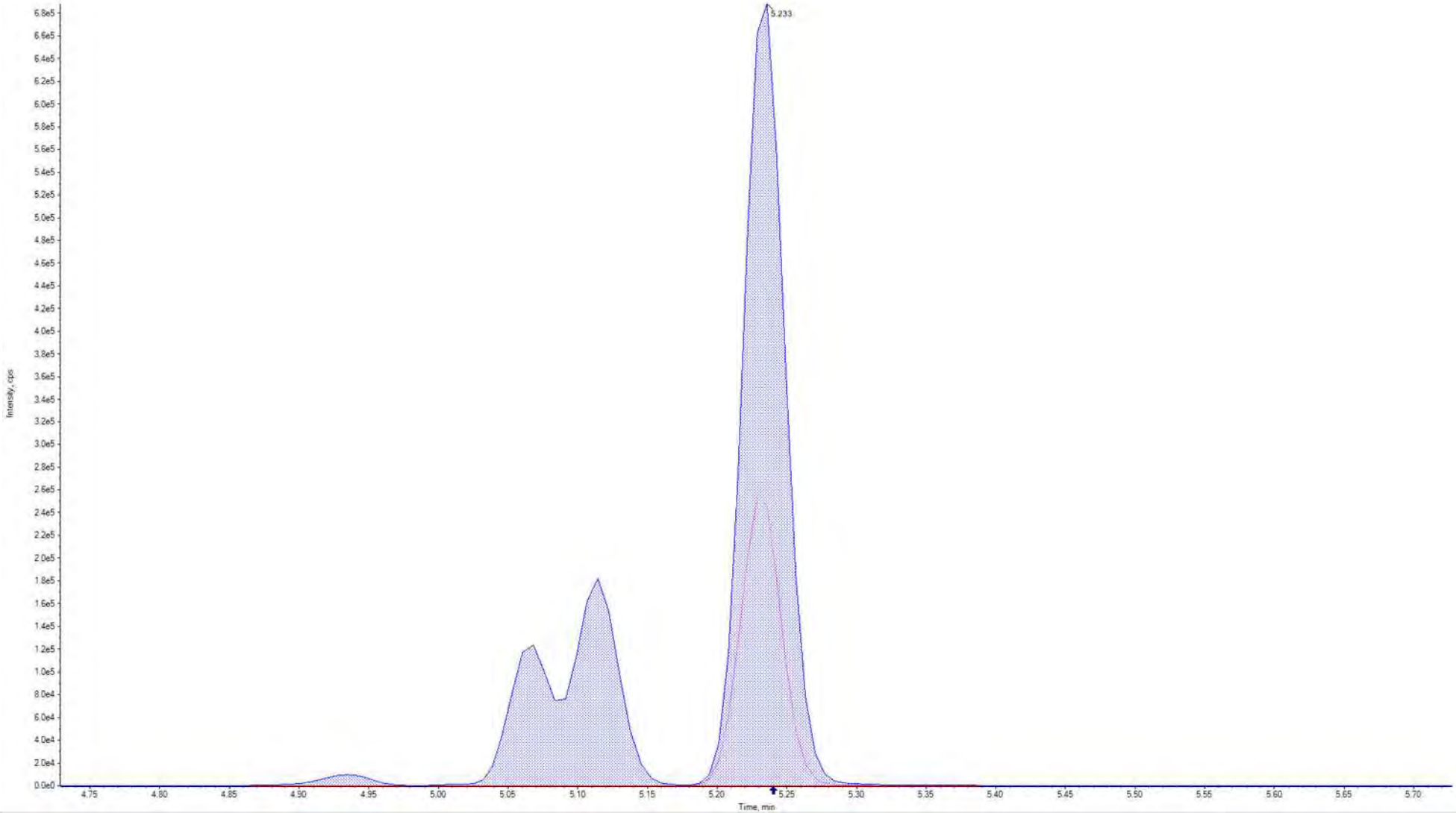
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

8:2FTS_2
Sample: IA1633STD-12.5 S/N:6771.6 Points Across peak:30



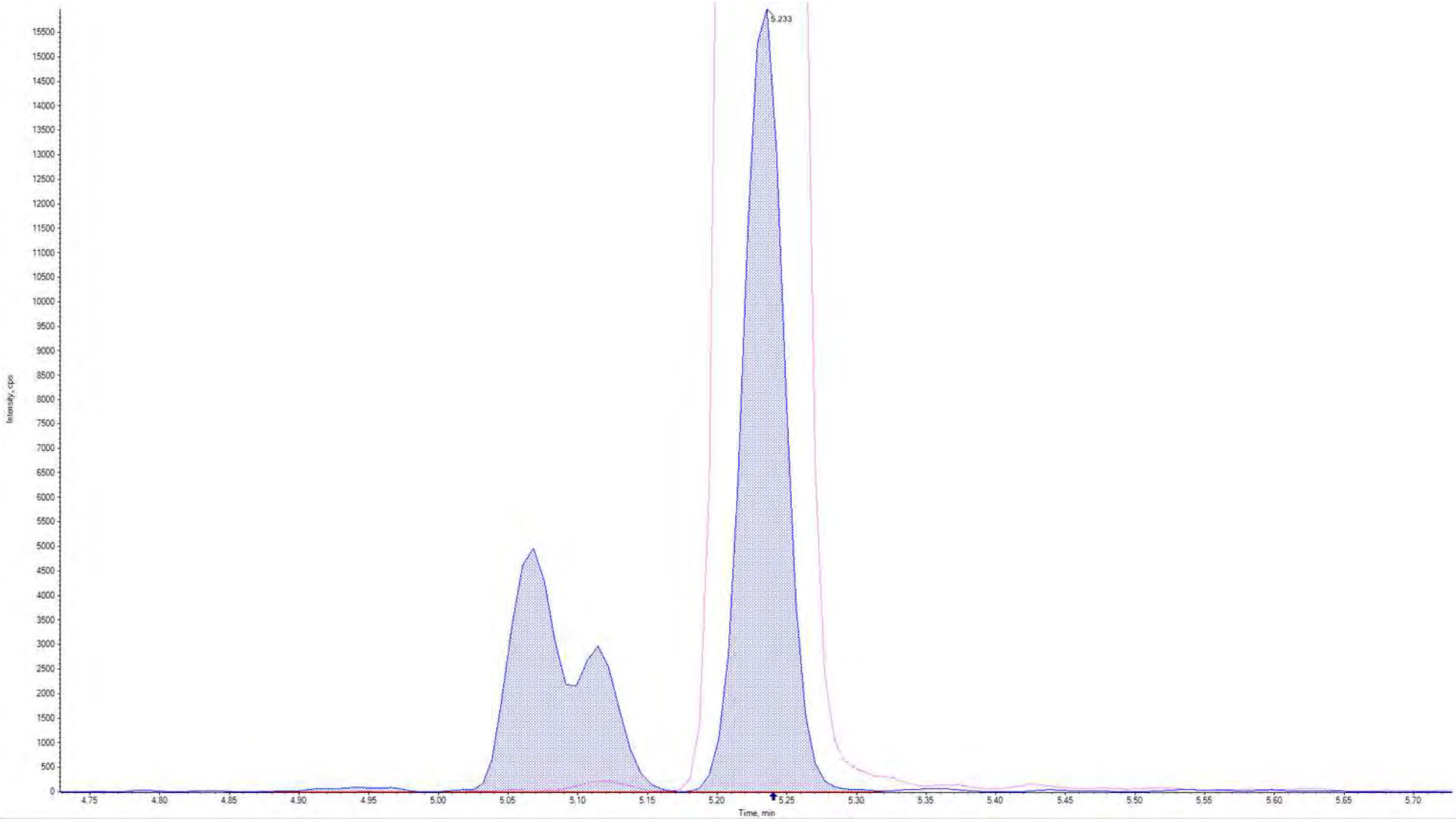
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOSA
Sample: IA1633STD-12.5 S/N:353.3 Points Across peak:82



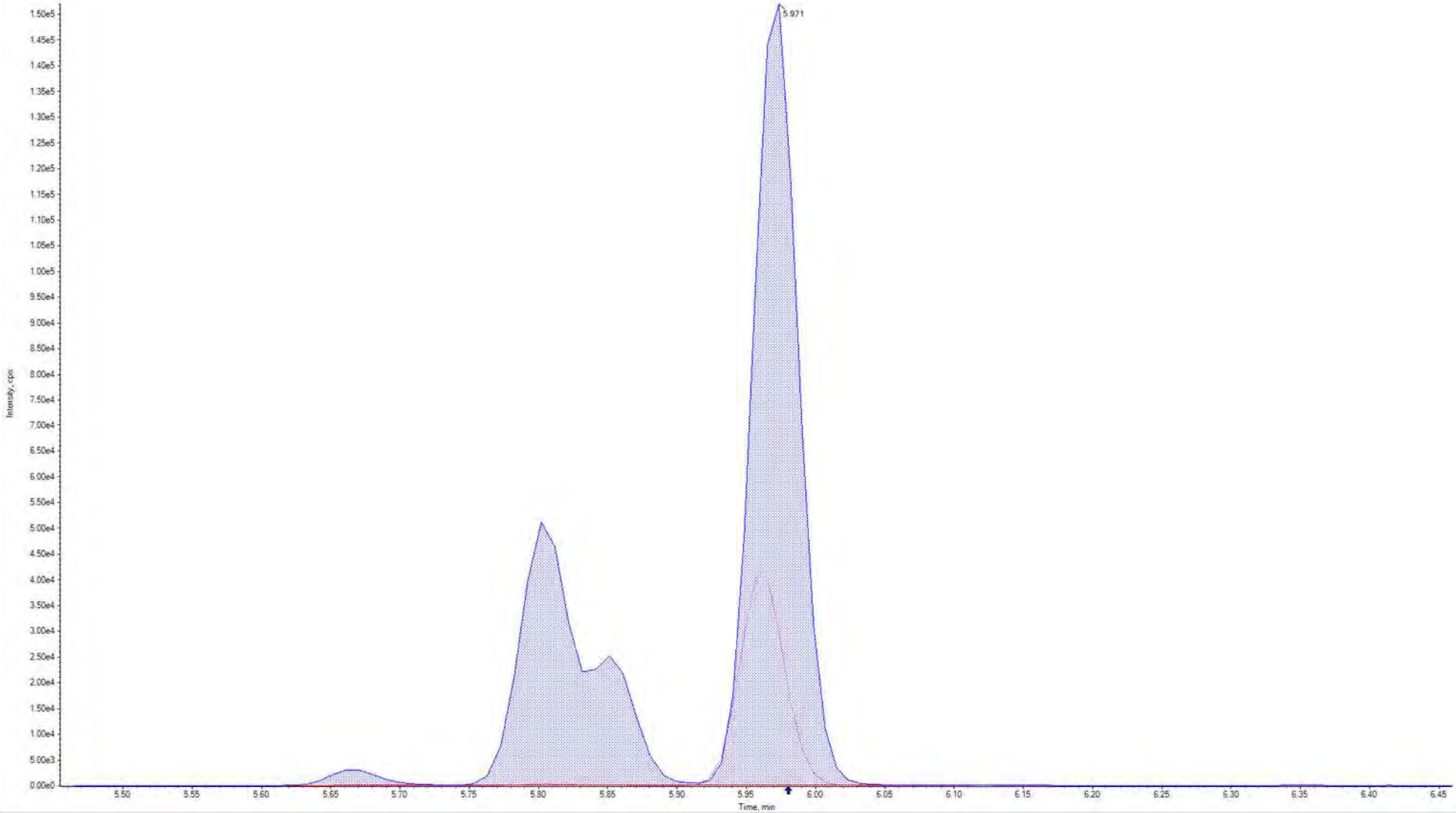
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOSA_2
Sample: IA1633STD-12.5 S/N:347.8 Points Across peak:65



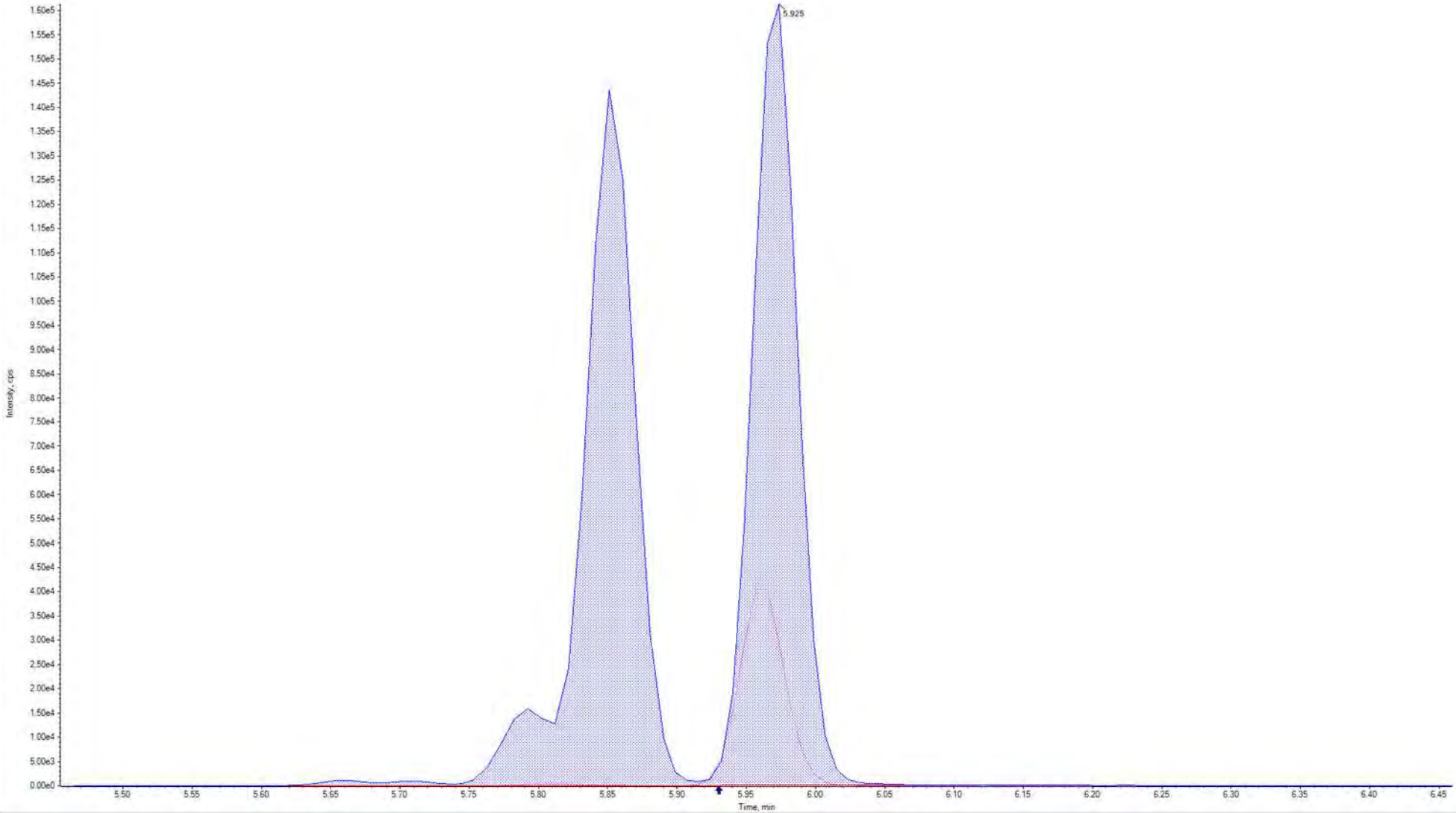
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSA
Sample: IA1633STD-12.5 S/N:354.9 Points Across peak:50



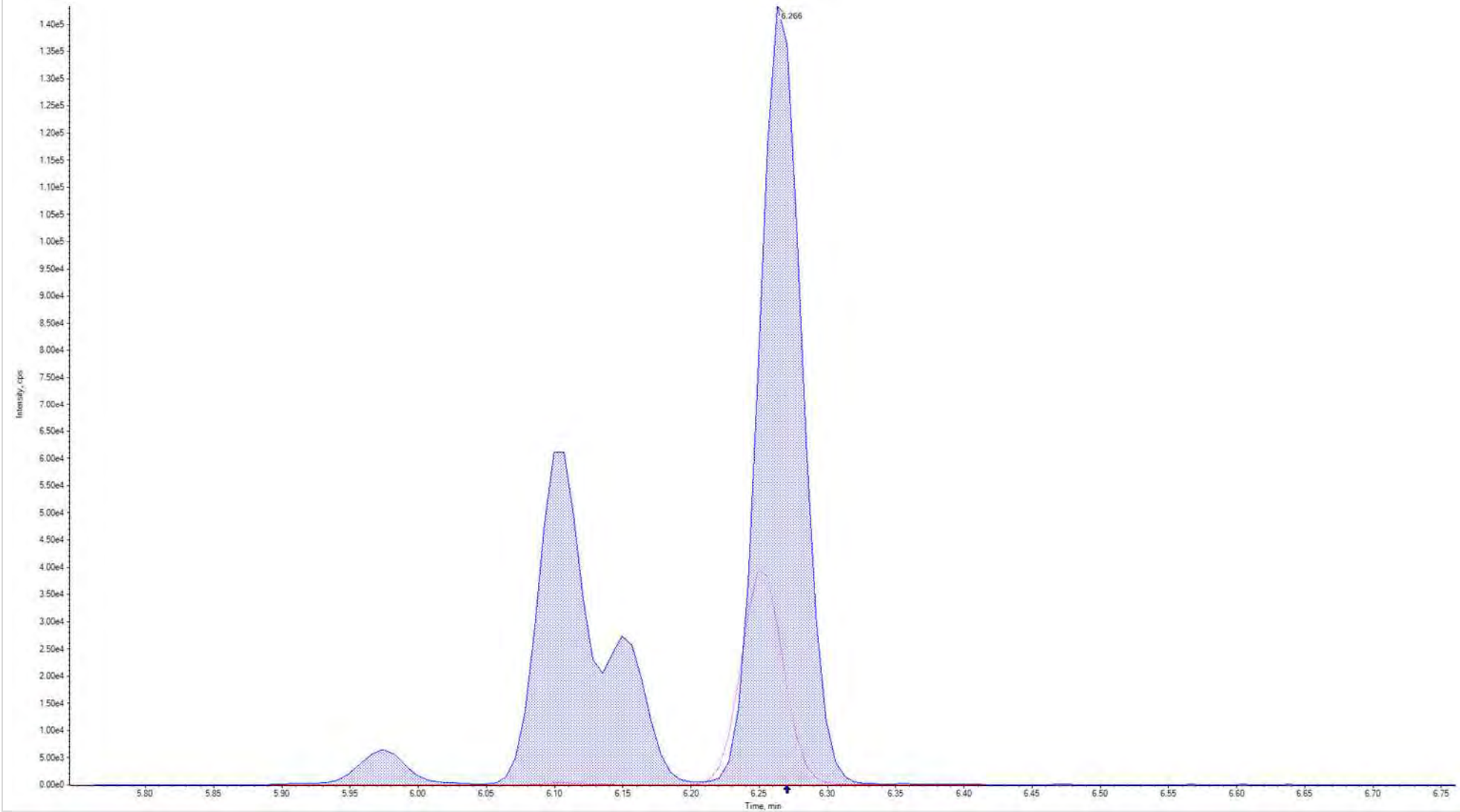
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSA_2
Sample: IA1633STD-12.5 S/N:309.7 Points Across peak:54



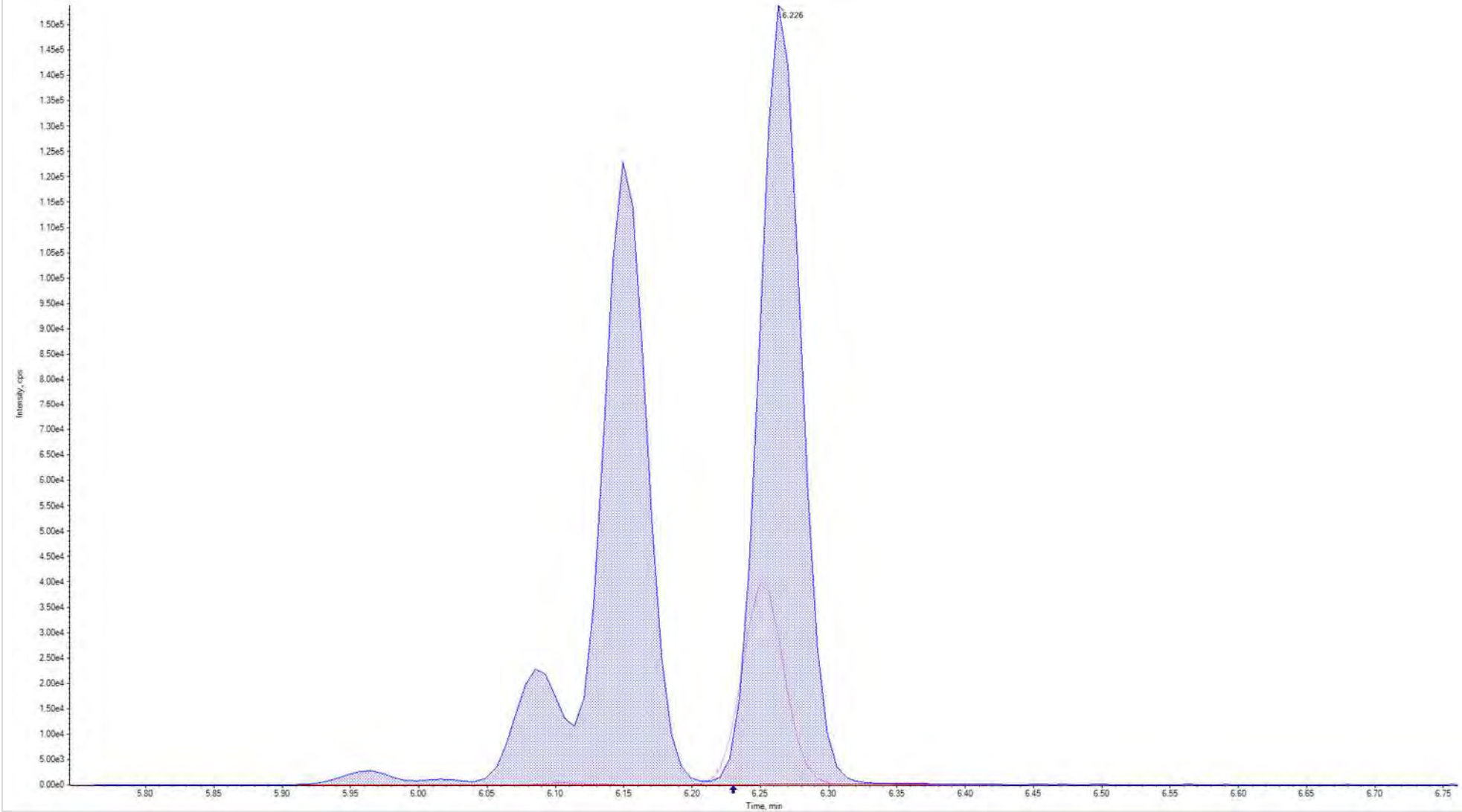
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSA
Sample: IA1633STD-12.5 S/N:736.7 Points Across peak:77



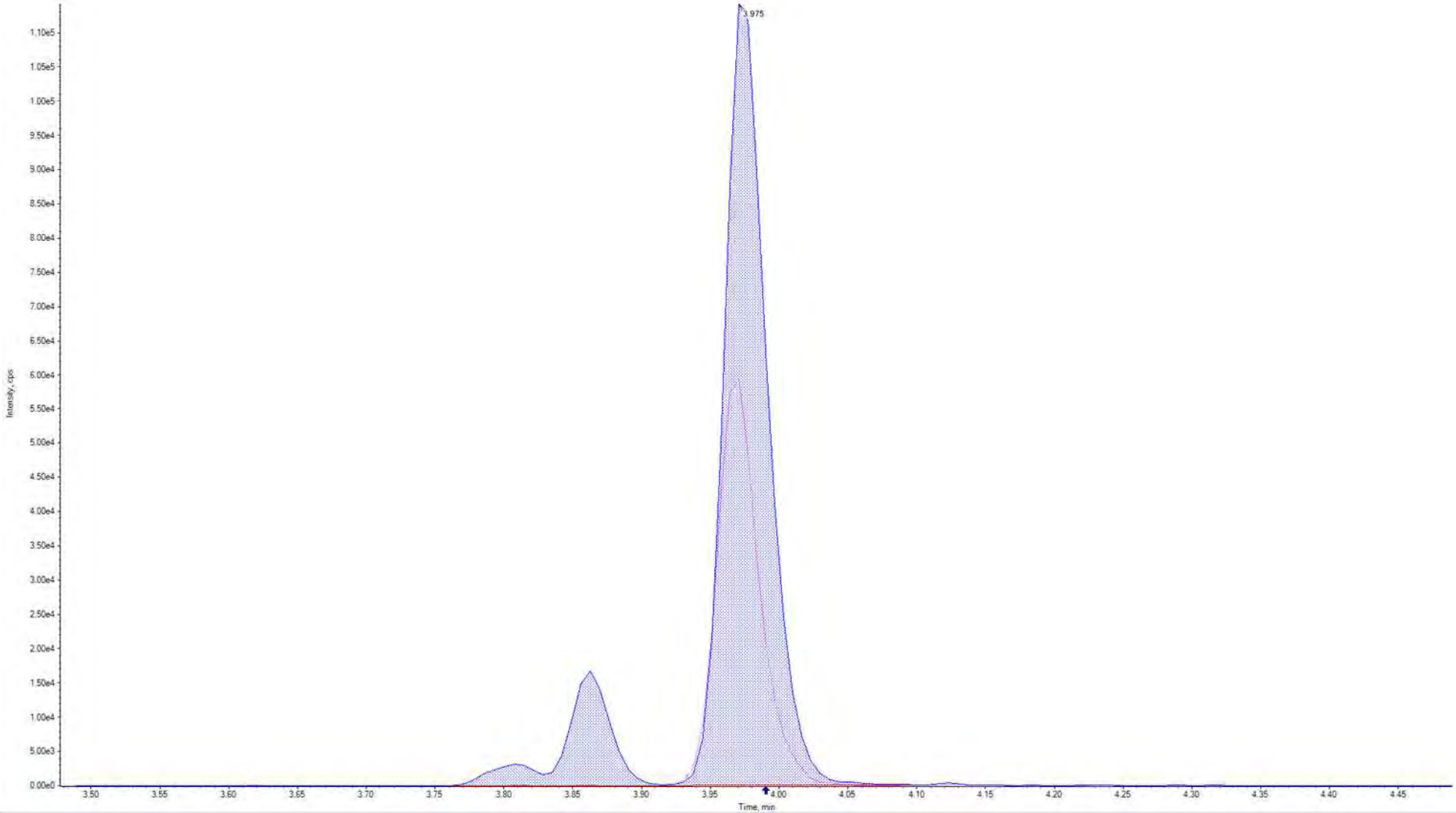
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSA_2
Sample: IA1633STD-12.5 S/N:585.3 Points Across peak:70



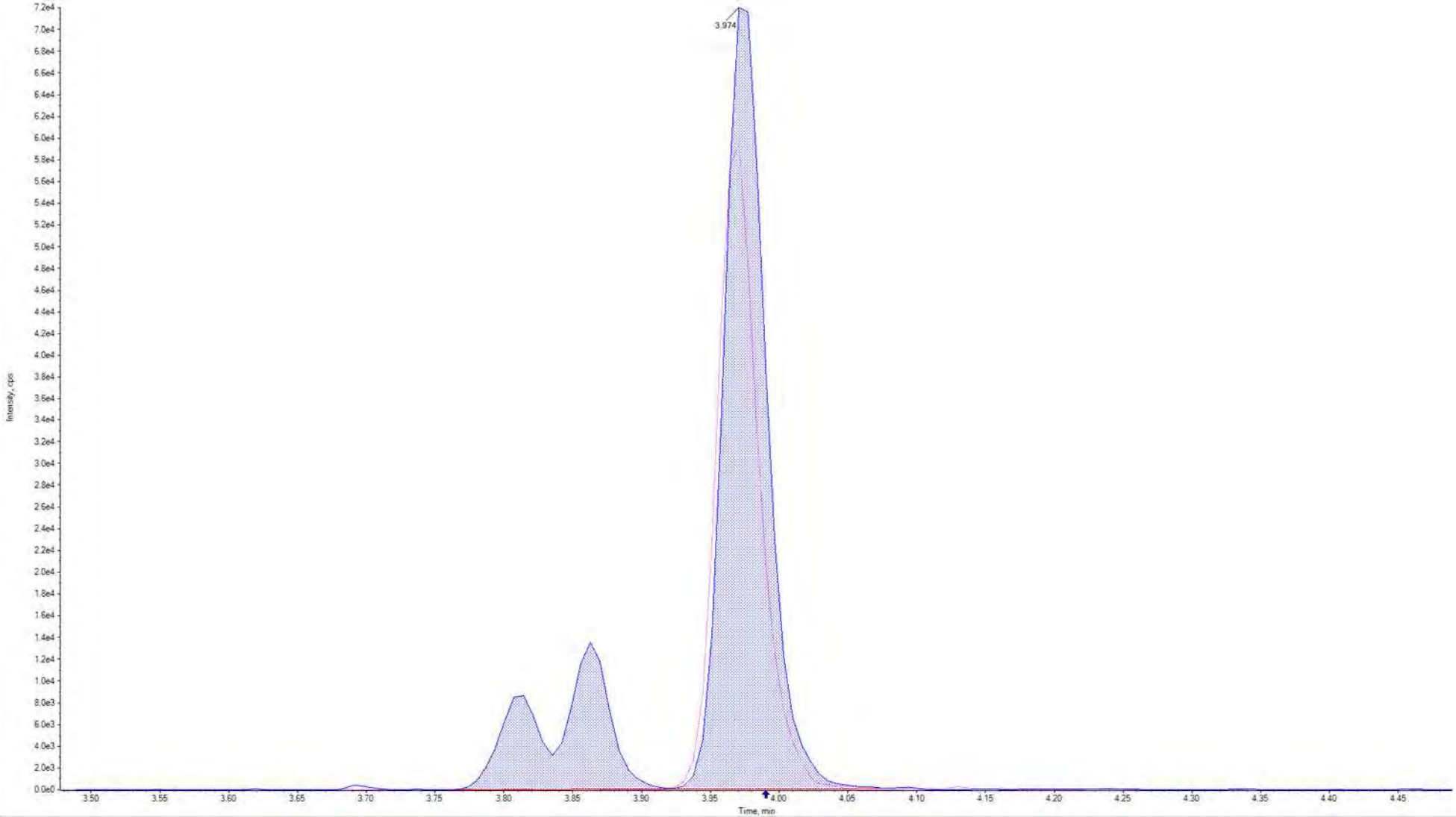
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSAA
Sample: IA1633STD-12.5 S/N:720.0 Points Across peak:54



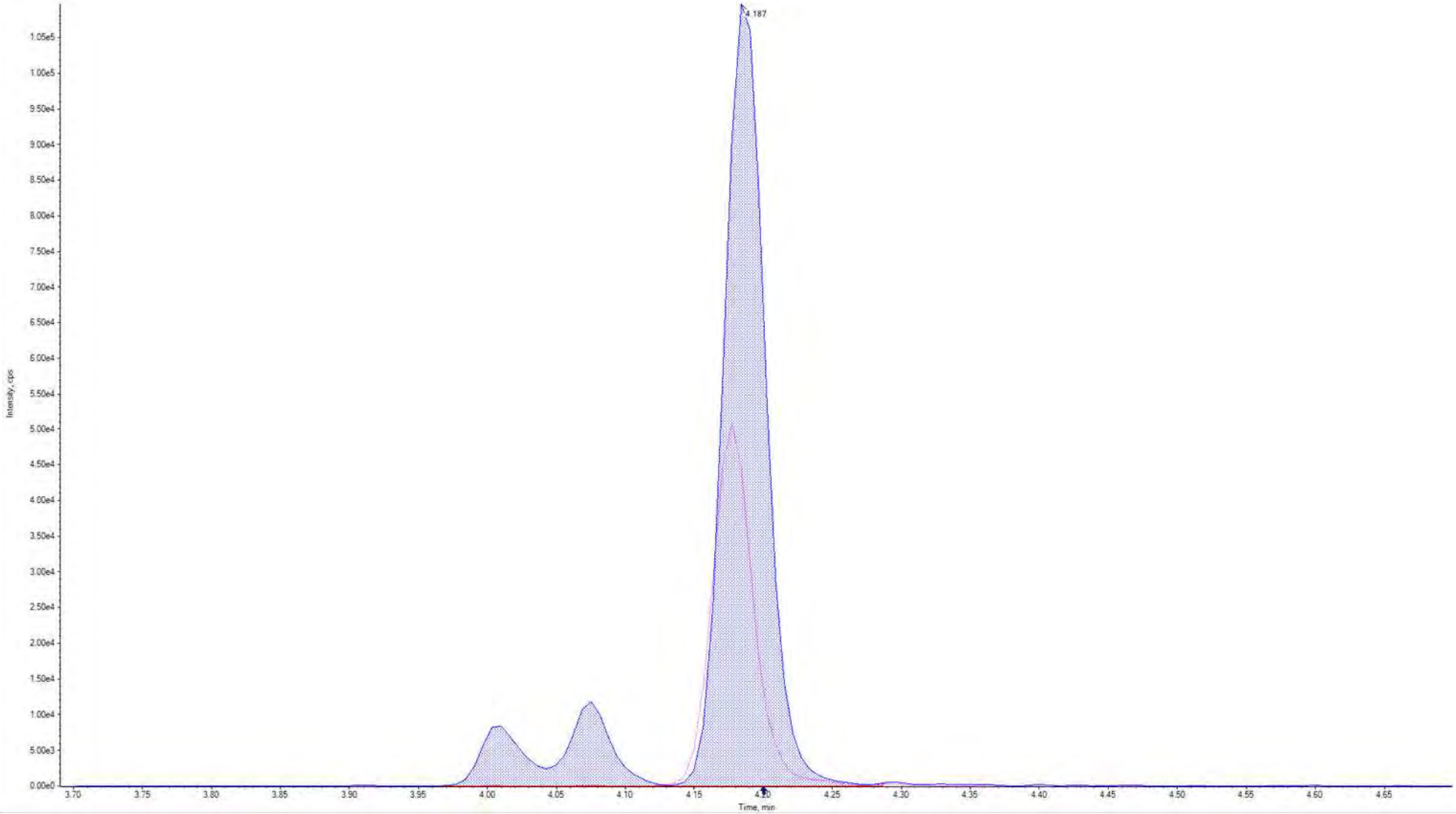
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSAA_2
Sample: IA1633STD-12.5 S/N:462.2 Points Across peak:50



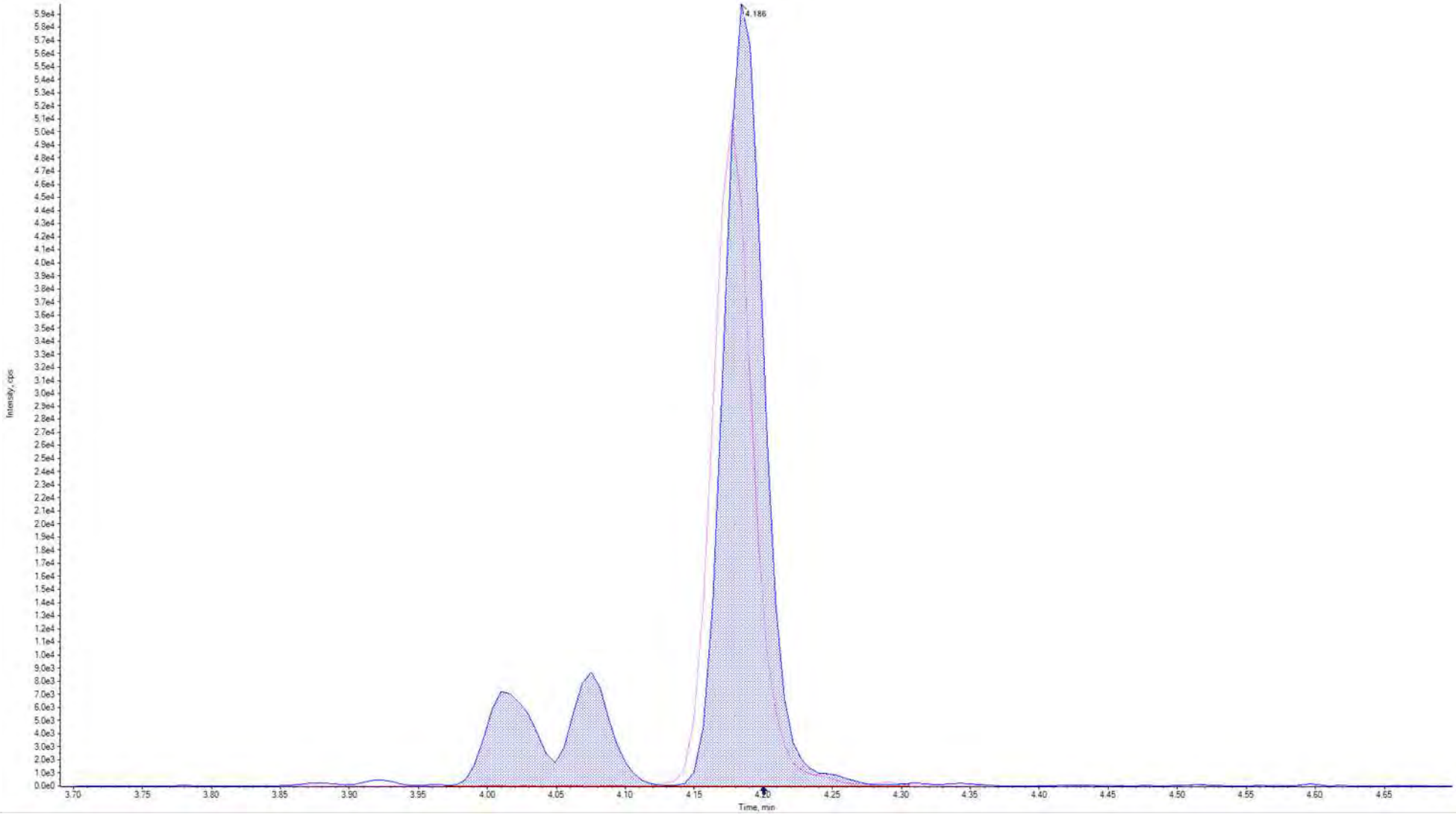
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSAA
Sample: IA1633STD-12.5 S/N:667.6 Points Across peak:53



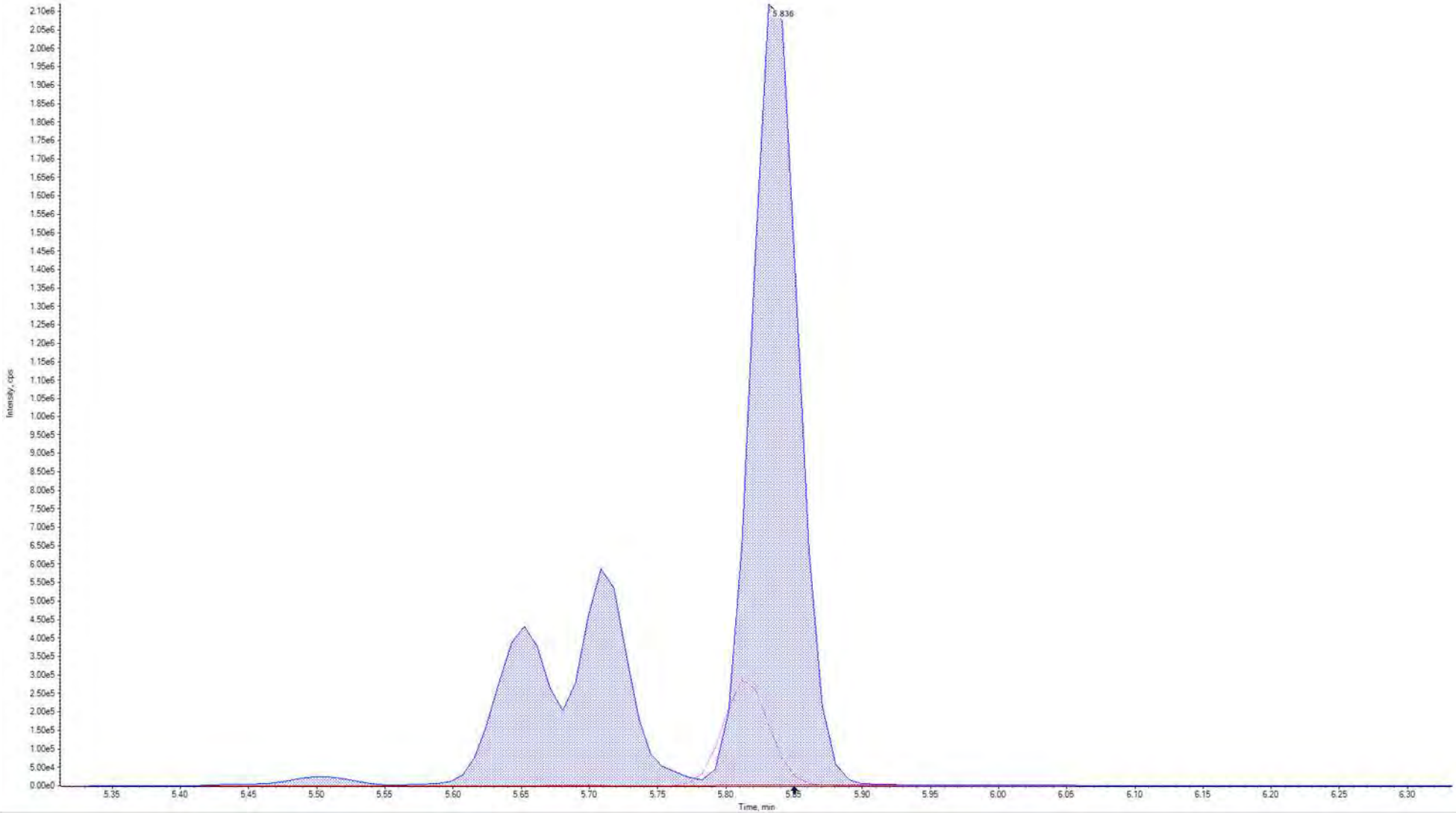
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSAA_2
Sample: IA1633STD-12.5 S/N:434.9 Points Across peak:55



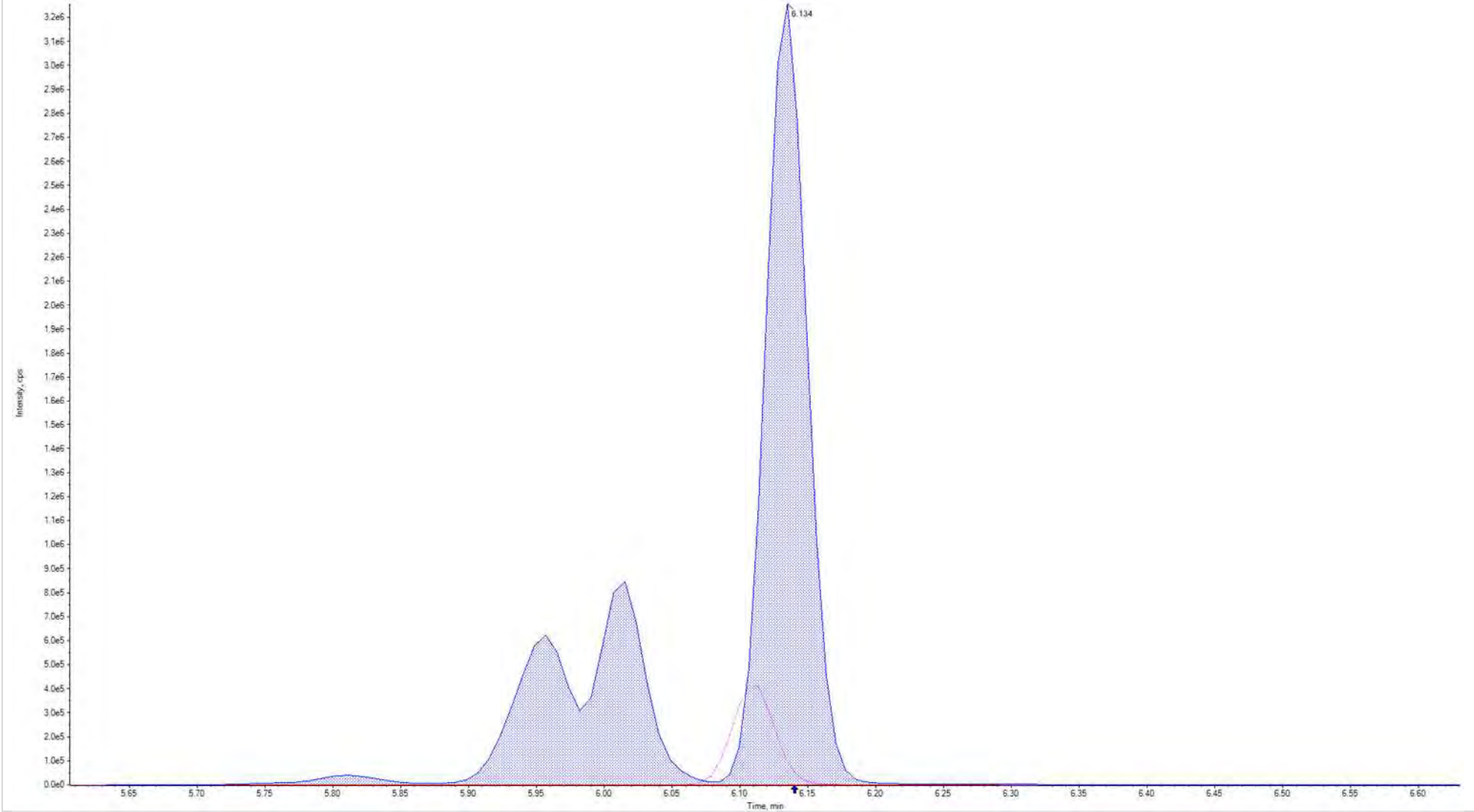
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSE
Sample: IA1633STD-12.5 S/N:242.4 Points Across peak:63



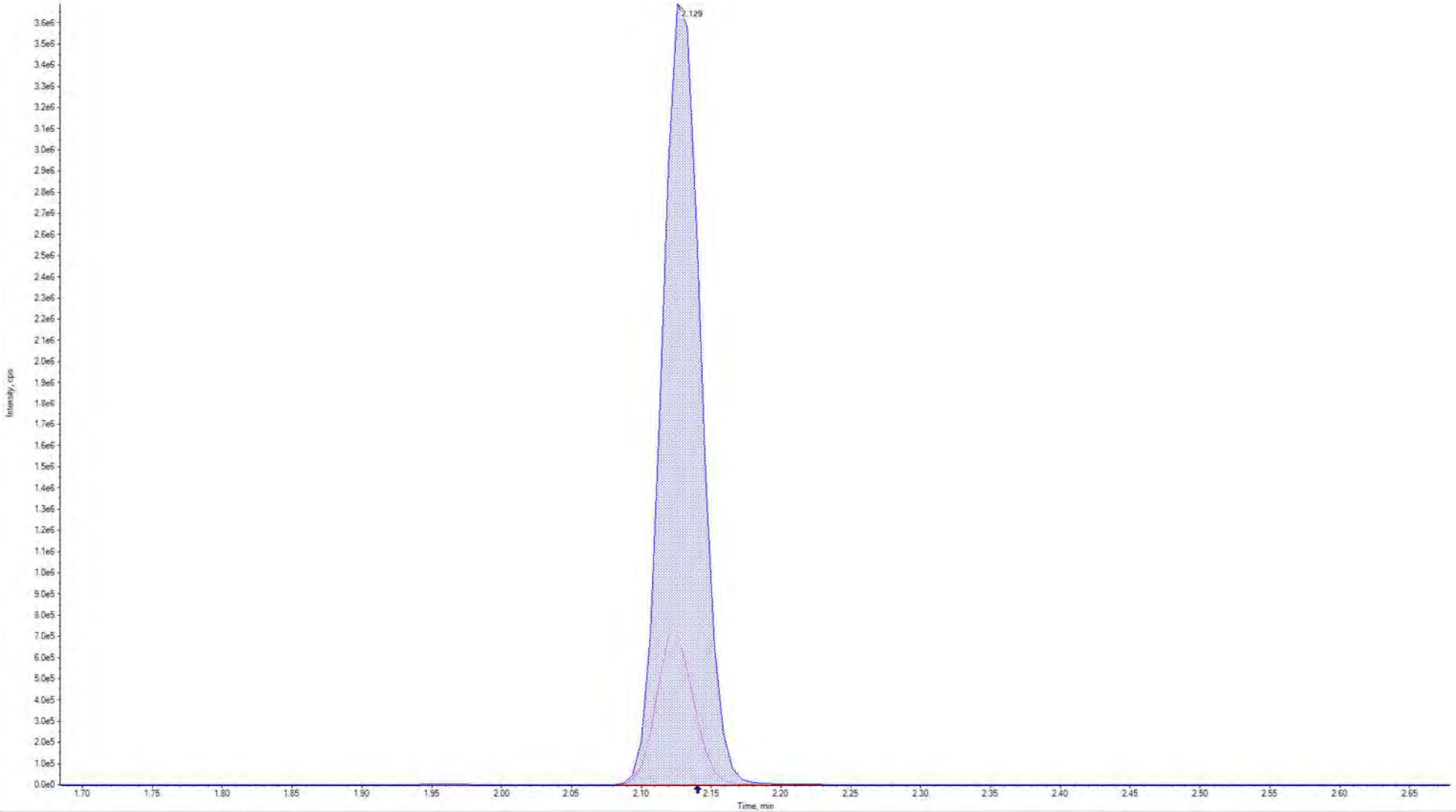
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSE
Sample: IA1633STD-12.5 S/N:415.0 Points Across peak:75



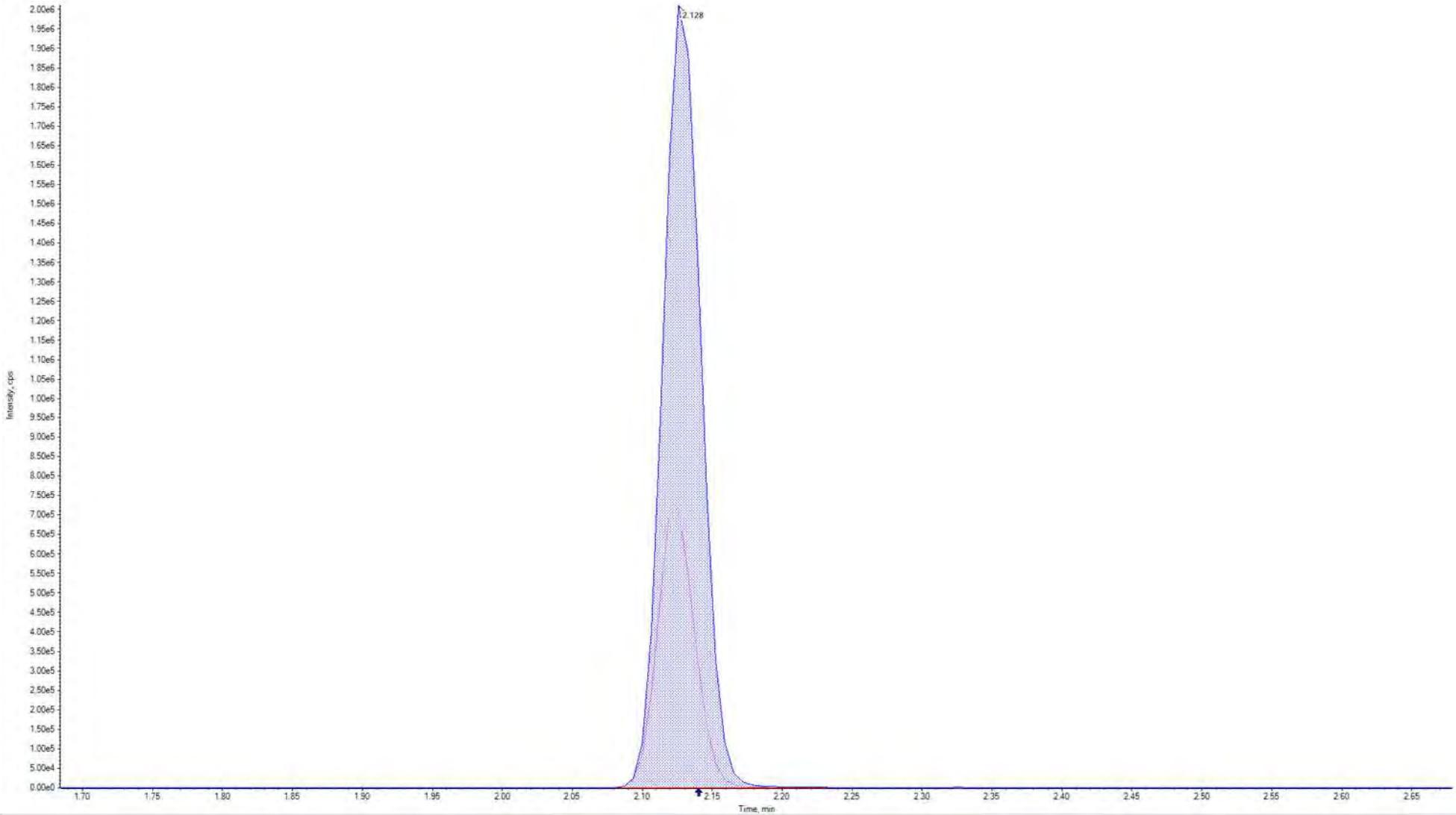
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

HFPO-DA
Sample: IA1633STD-12.5 S/N:83224.7 Points Across peak:42



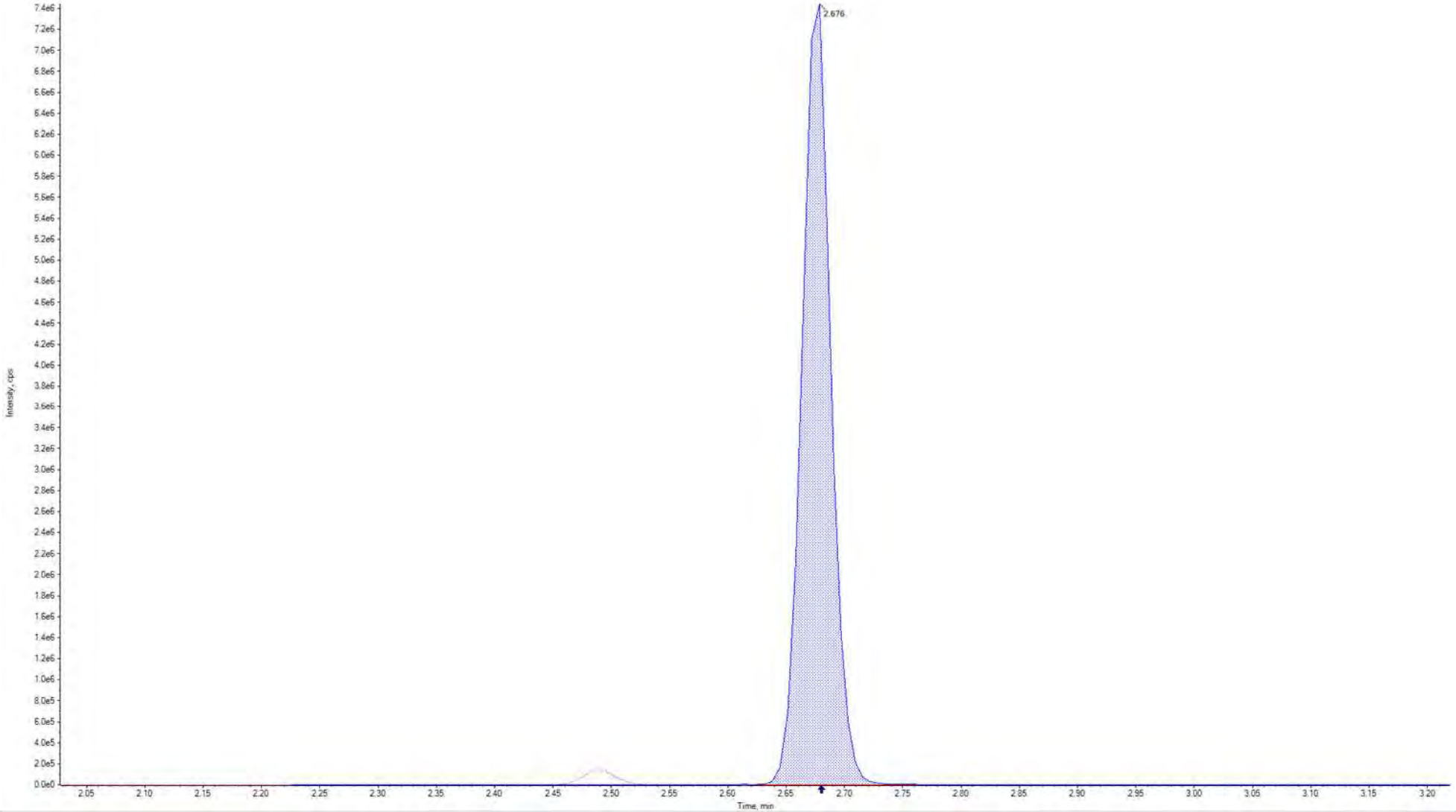
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

HFPO-DA_2
Sample: IA1633STD-12.5 S/N:4105.2 Points Across peak:29



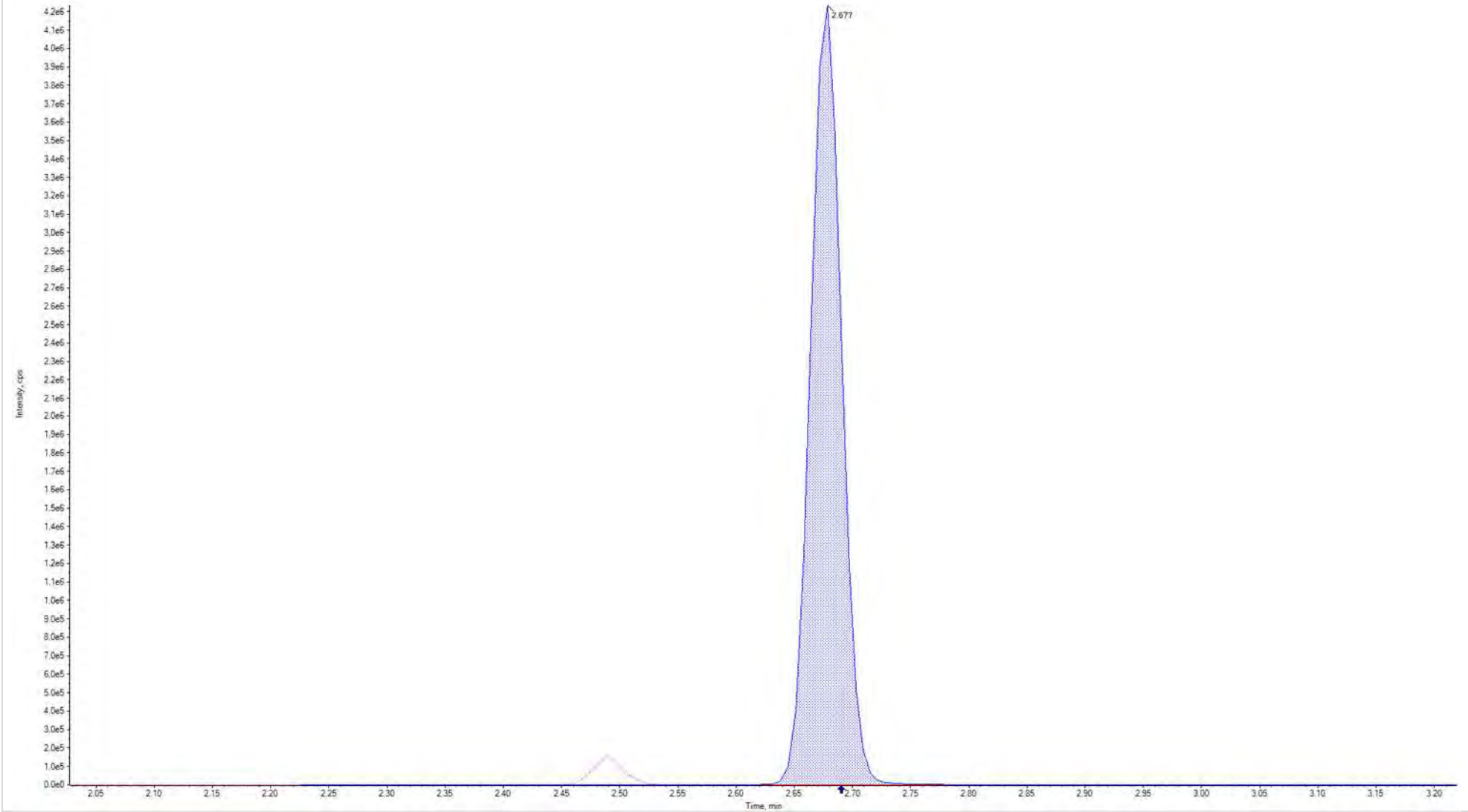
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

ADONA
Sample: IA1633STD-12.5 S/N:114841.1 Points Across peak:31



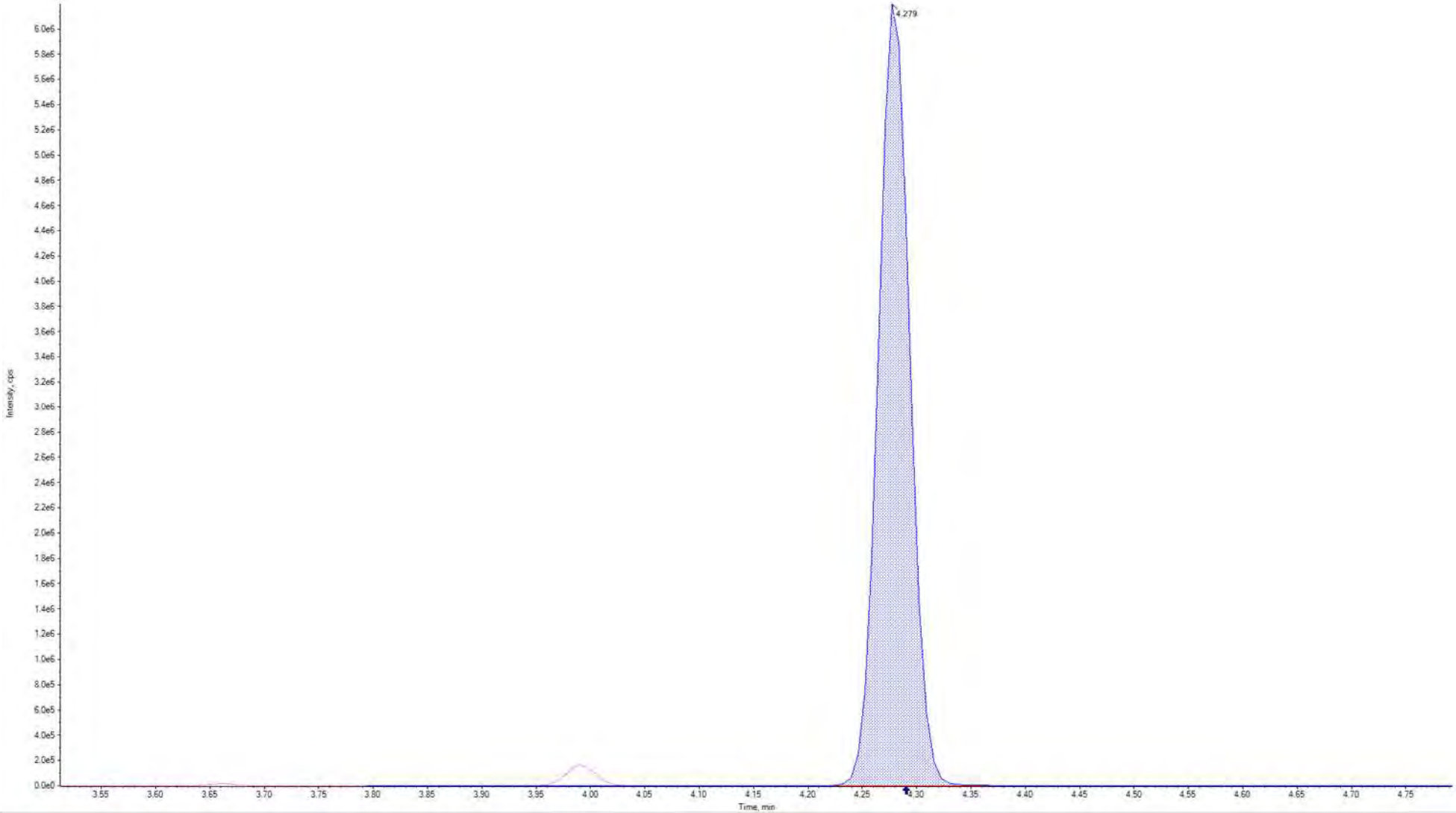
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

ADONA_2
Sample: IA1633STD-12.5 S/N:84905.7 Points Across peak:39



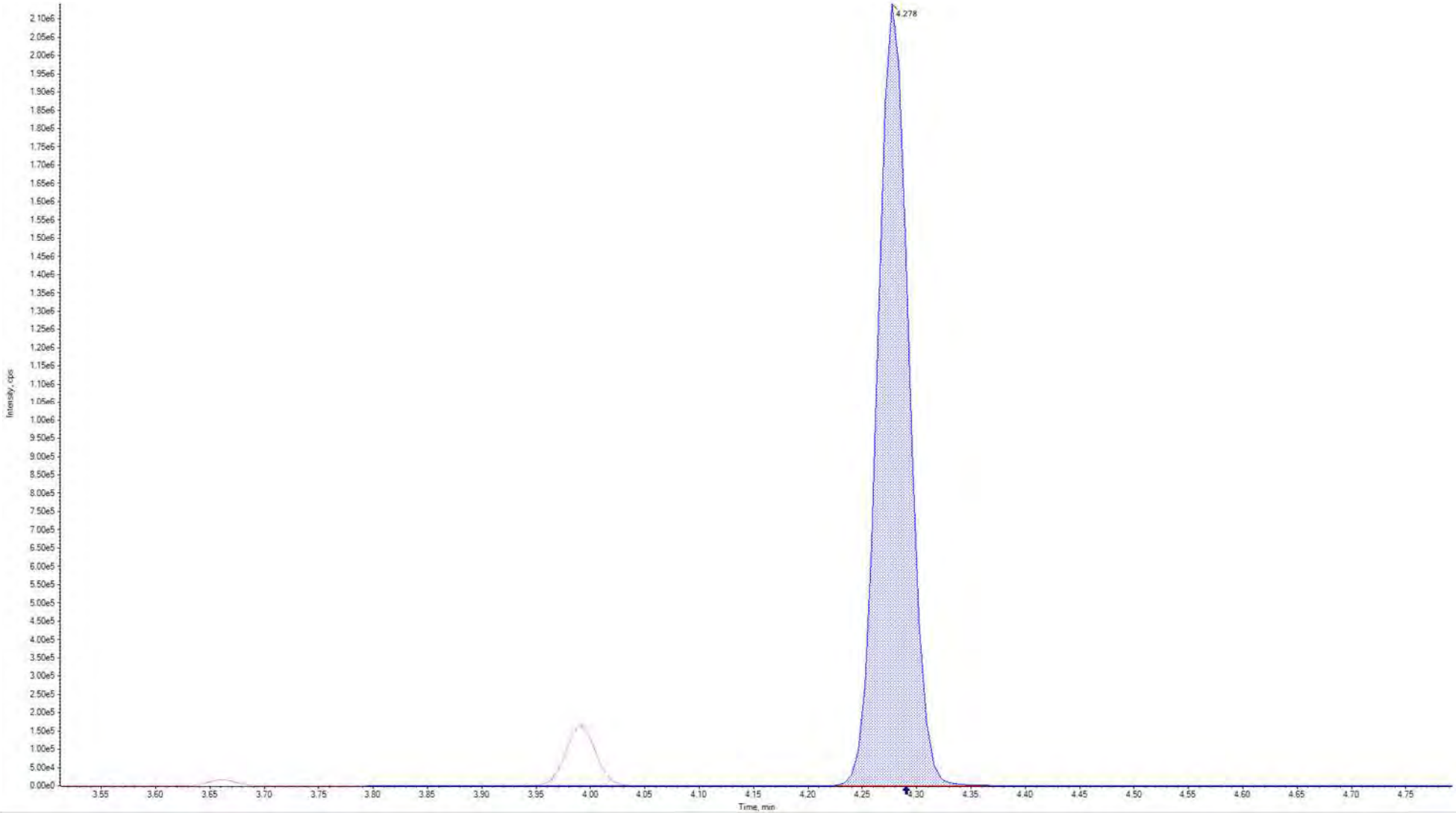
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

9Cl-PF3ONS
Sample: IA1633STD-12.5 S/N:9177.7 Points Across peak:33



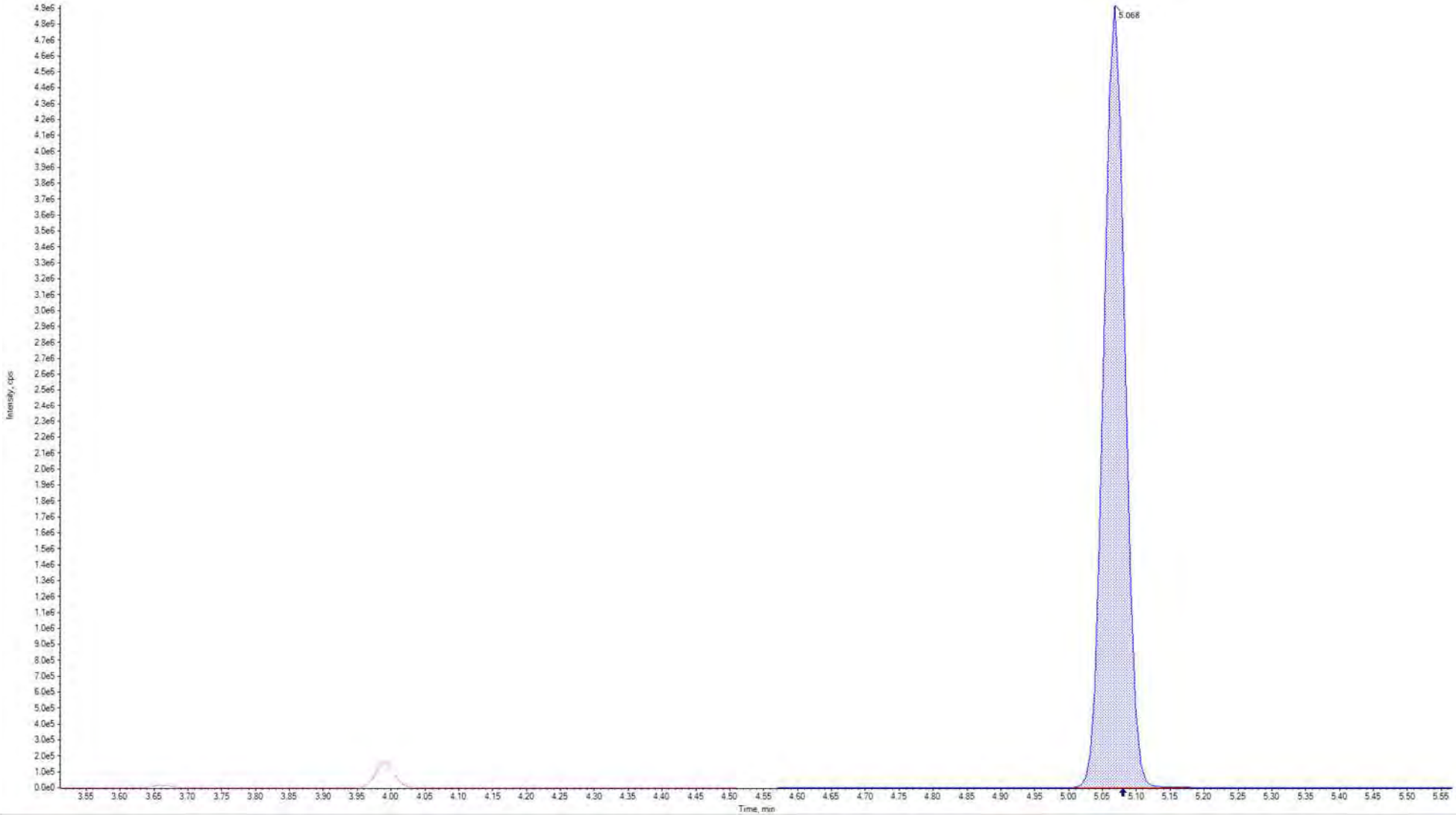
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

9Cl-PF3ONS_2
Sample: IA1633STD-12.5 S/N:6801.3 Points Across peak:32



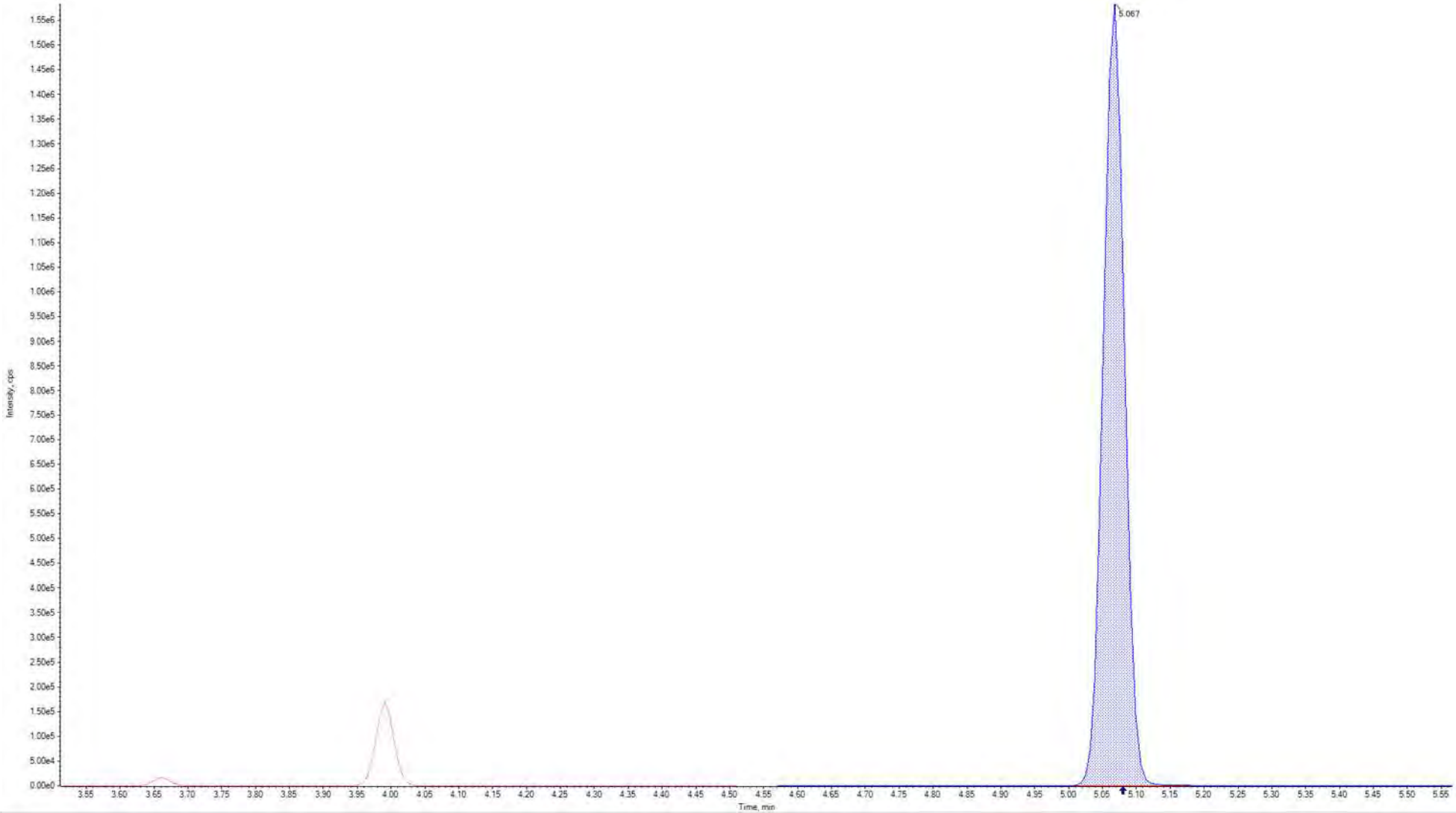
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

11Cl-PF3OUdS
Sample: IA1633STD-12.5 S/N:7748.8 Points Across peak:35



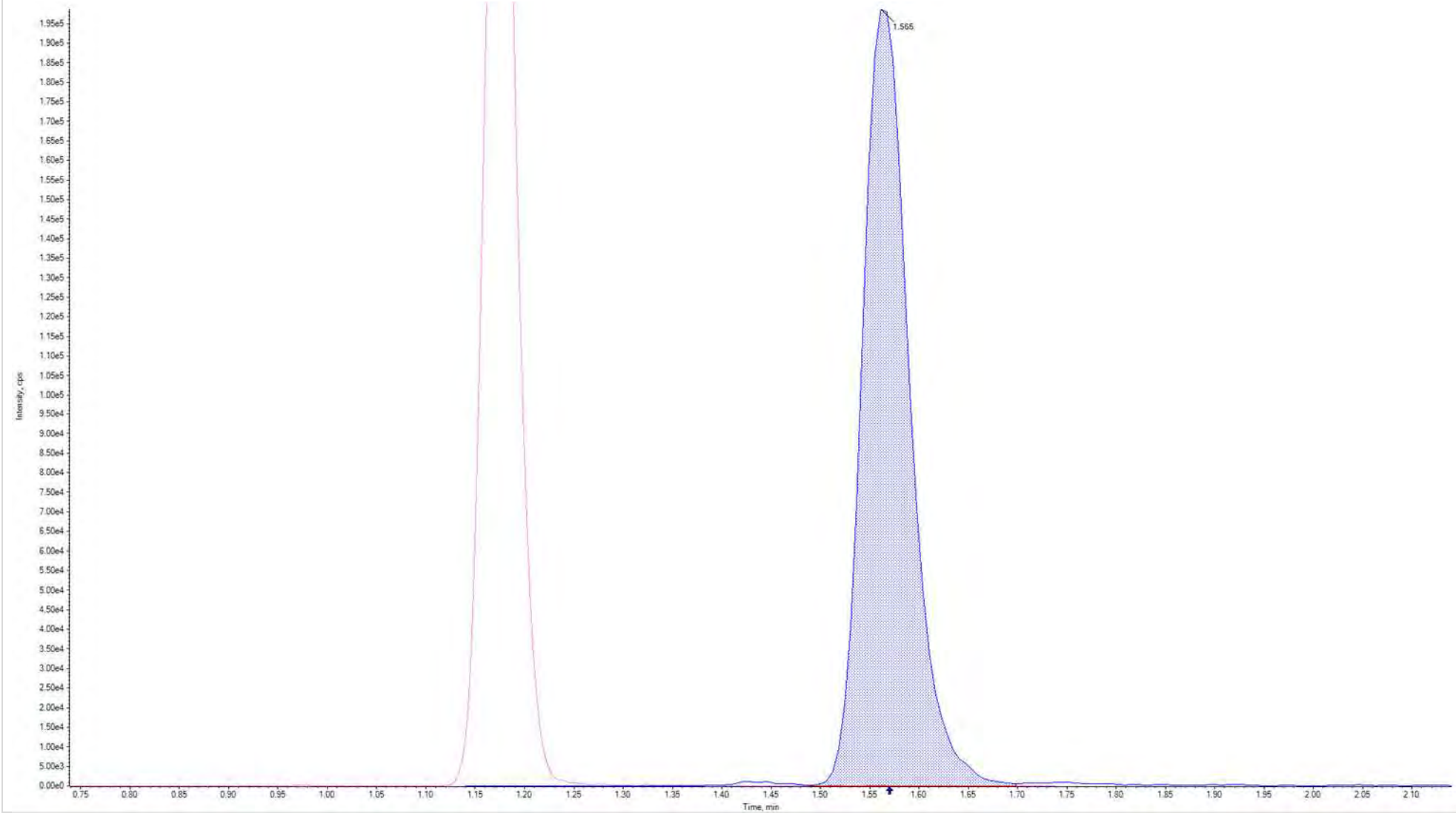
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-12.5 S/N:6510.9 Points Across peak:41



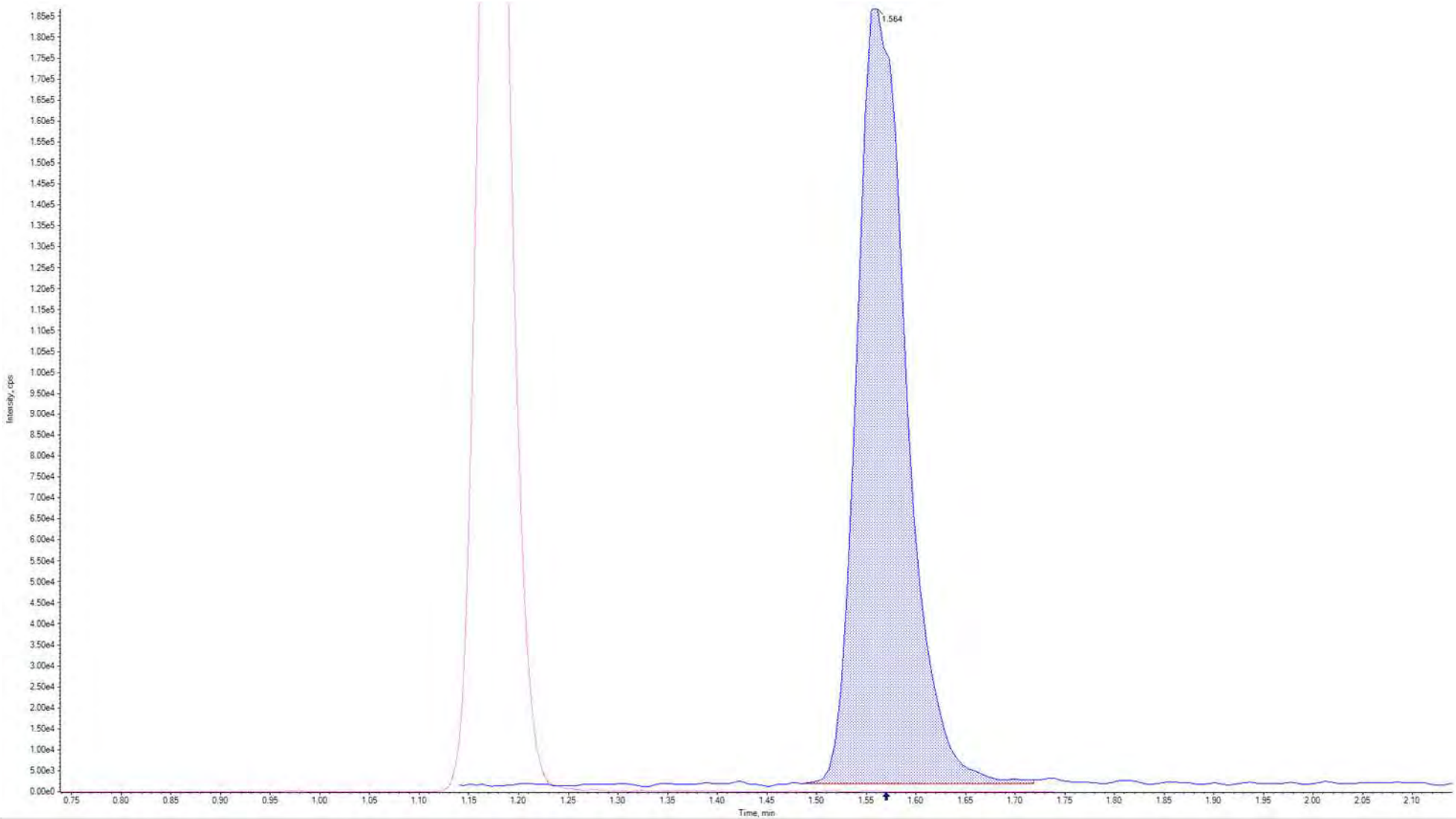
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

3:3FTCA
Sample: IA1633STD-12.5 S/N:2120.0 Points Across peak:35



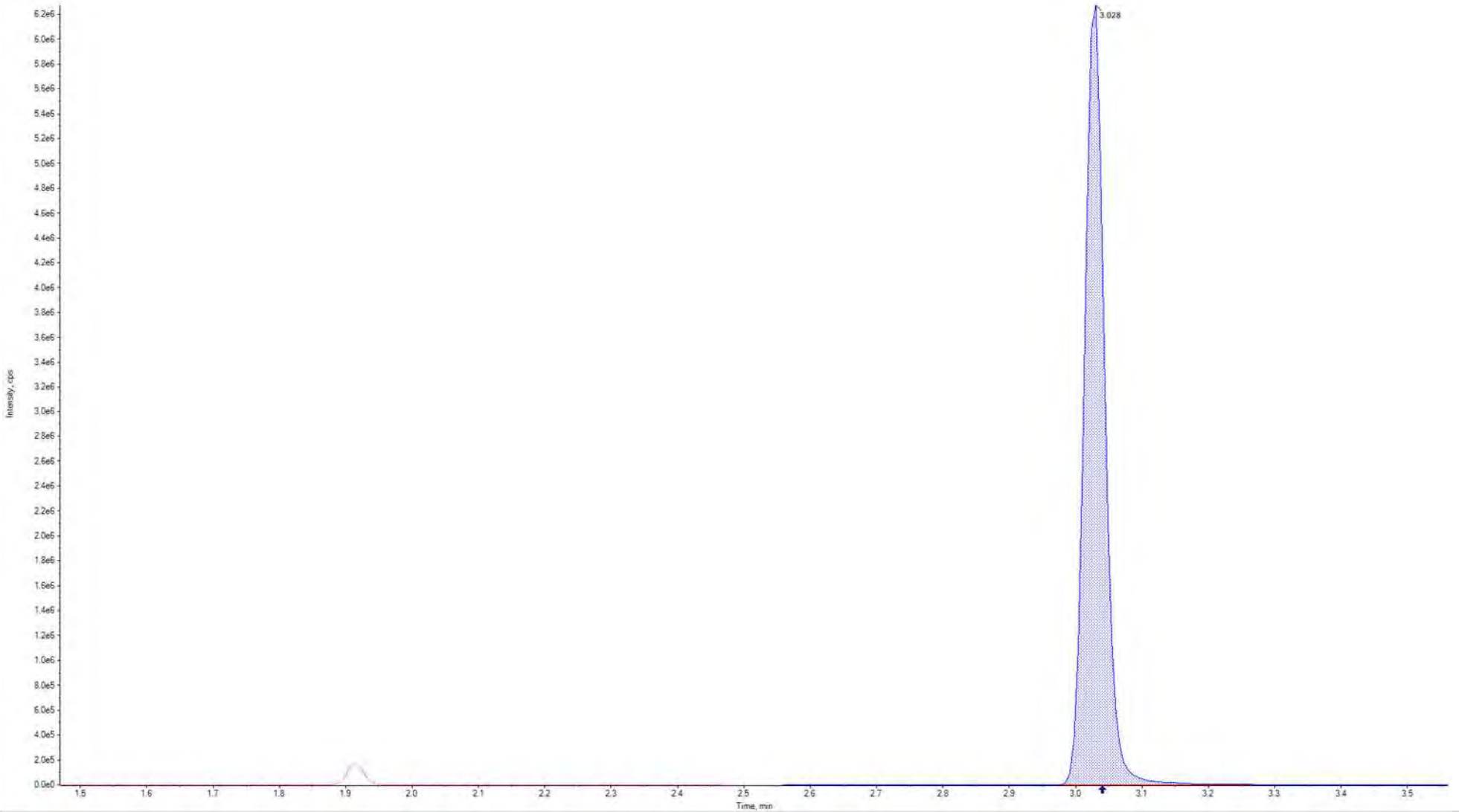
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

3:3FTCA_2
Sample: IA1633STD-12.5 S/N:752.8 Points Across peak:38



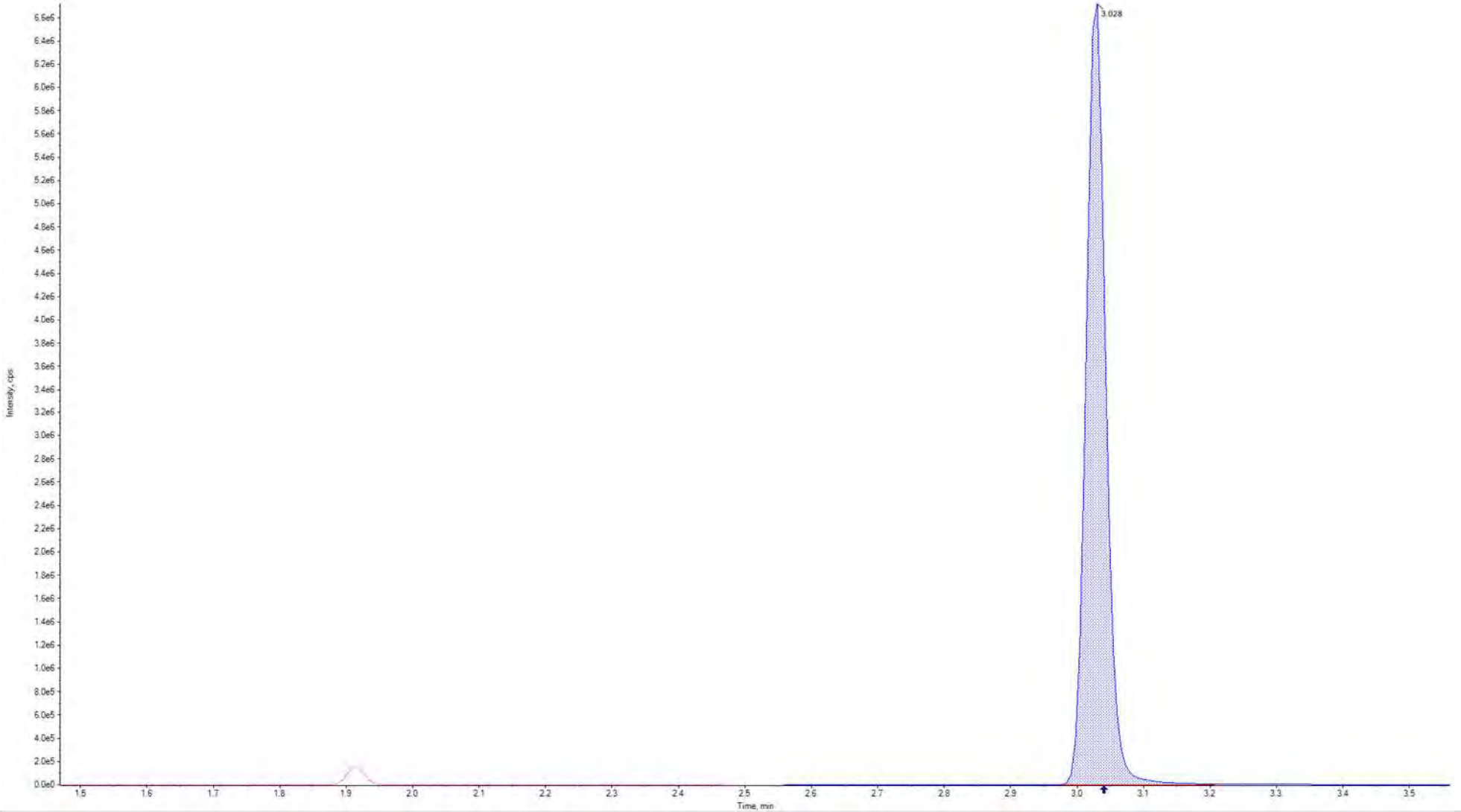
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

5:3FTCA
Sample: IA1633STD-12.5 S/N:118744.1 Points Across peak:59



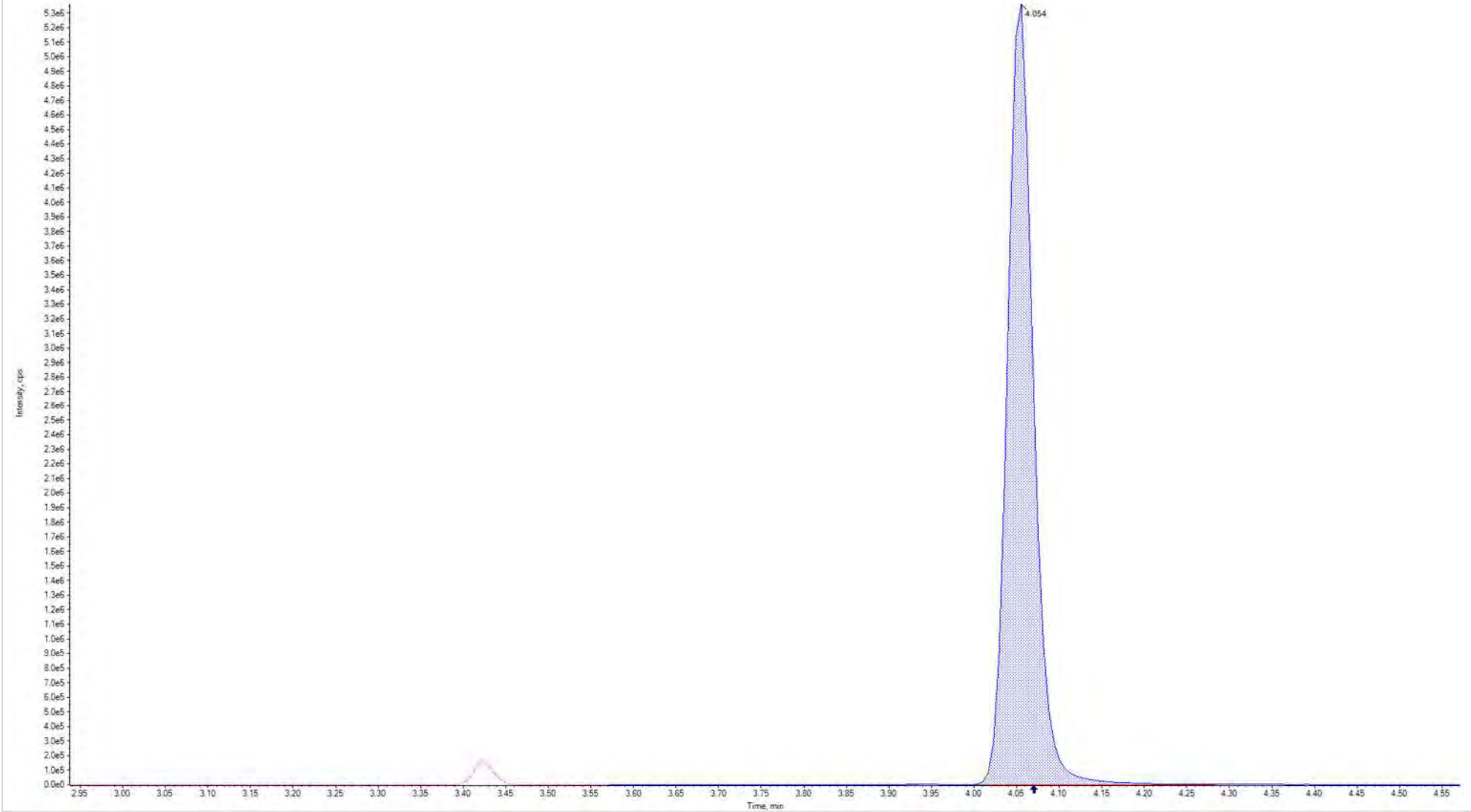
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

5:3FTCA_2
Sample: IA1633STD-12.5 S/N:9859.1 Points Across peak:46



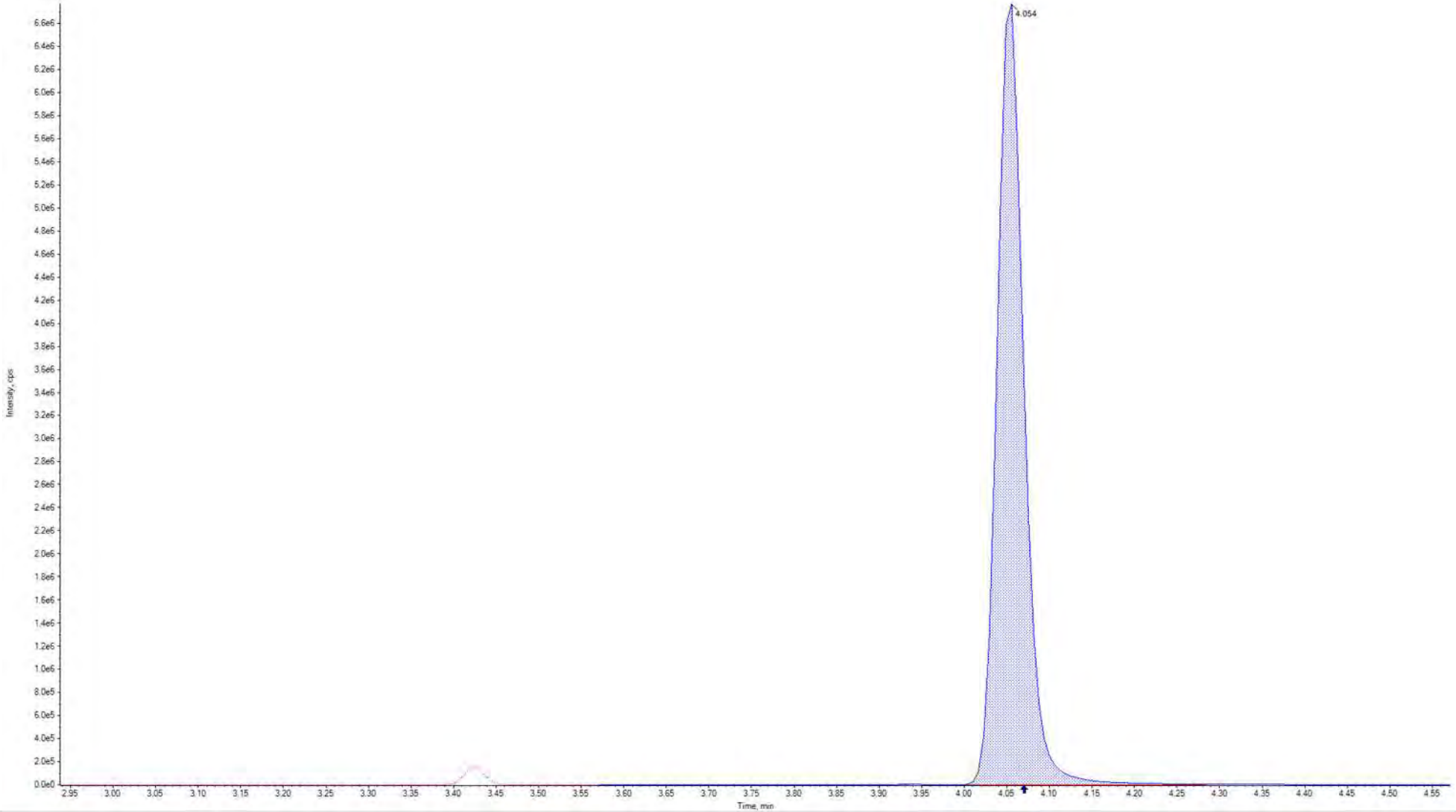
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

7:3FTCA
Sample: IA1633STD-12.5 S/N:147851.9 Points Across peak:47



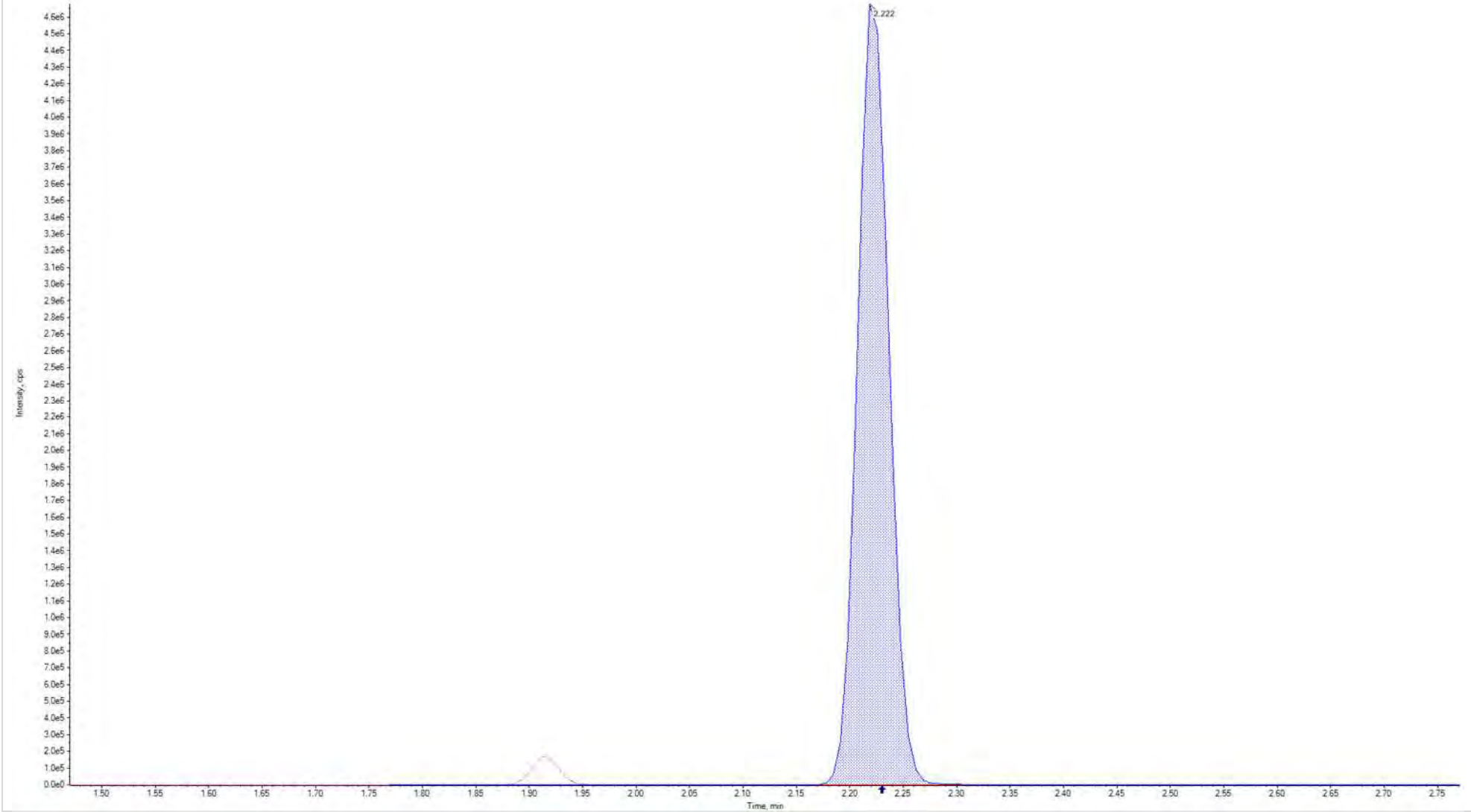
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

7:3FTCA_2
Sample: IA1633STD-12.5 S/N:27641.4 Points Across peak:48



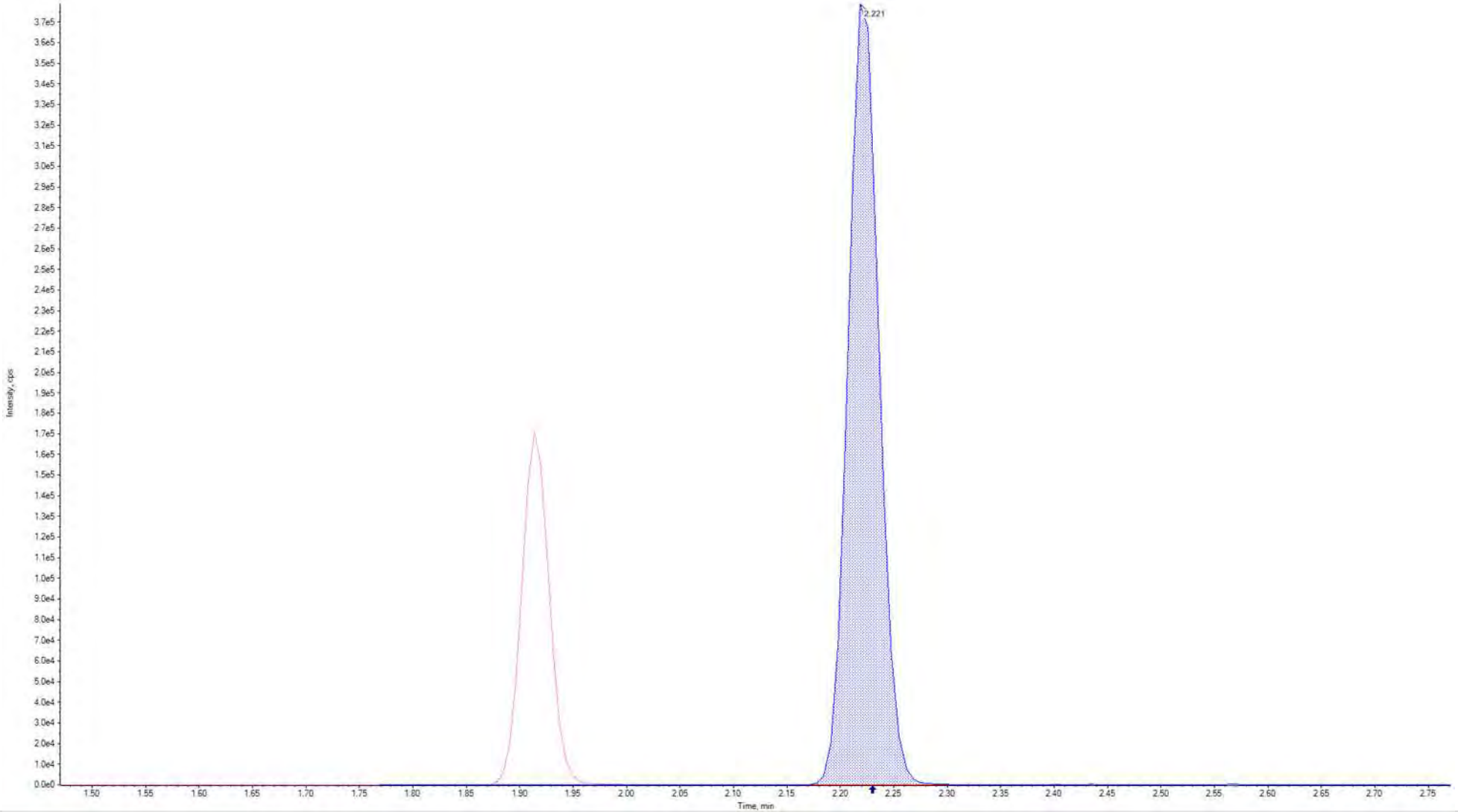
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFEESA
Sample: IA1633STD-12.5 S/N:8576.1 Points Across peak:34



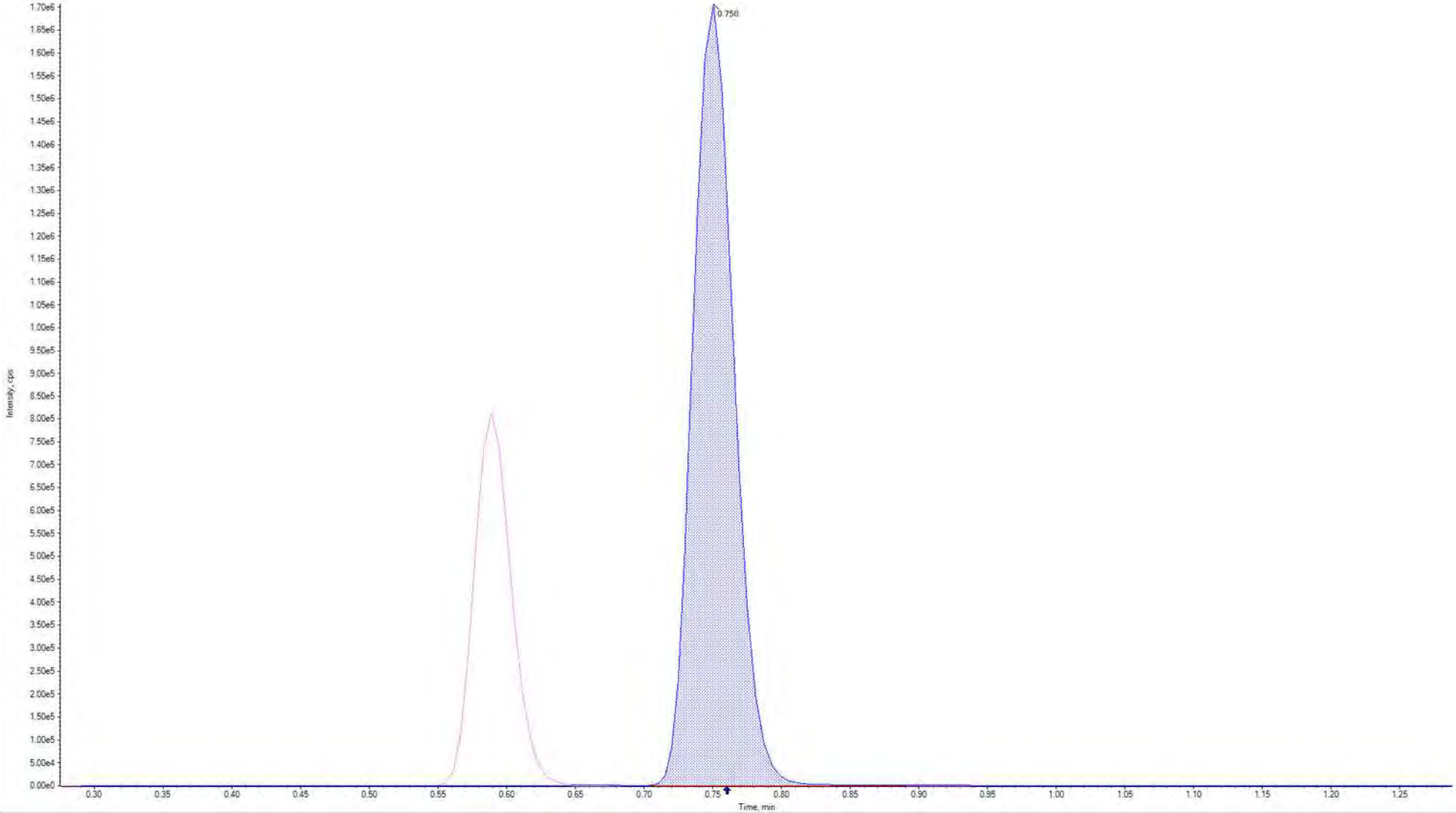
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFEESA_2
Sample: IA1633STD-12.5 S/N:6227.2 Points Across peak:24



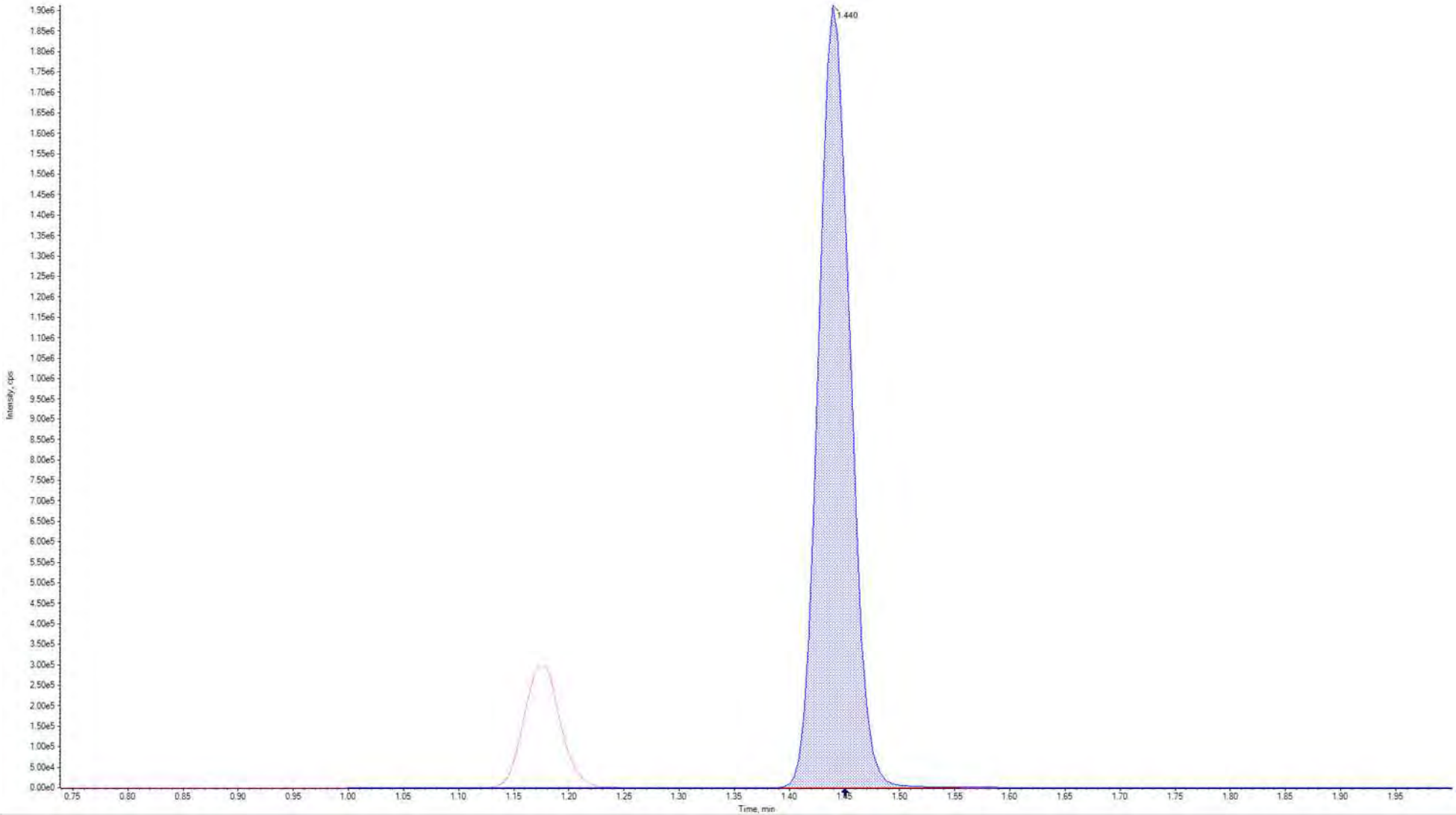
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFMPA
Sample: IA1633STD-12.5 S/N:25560.4 Points Across peak:36



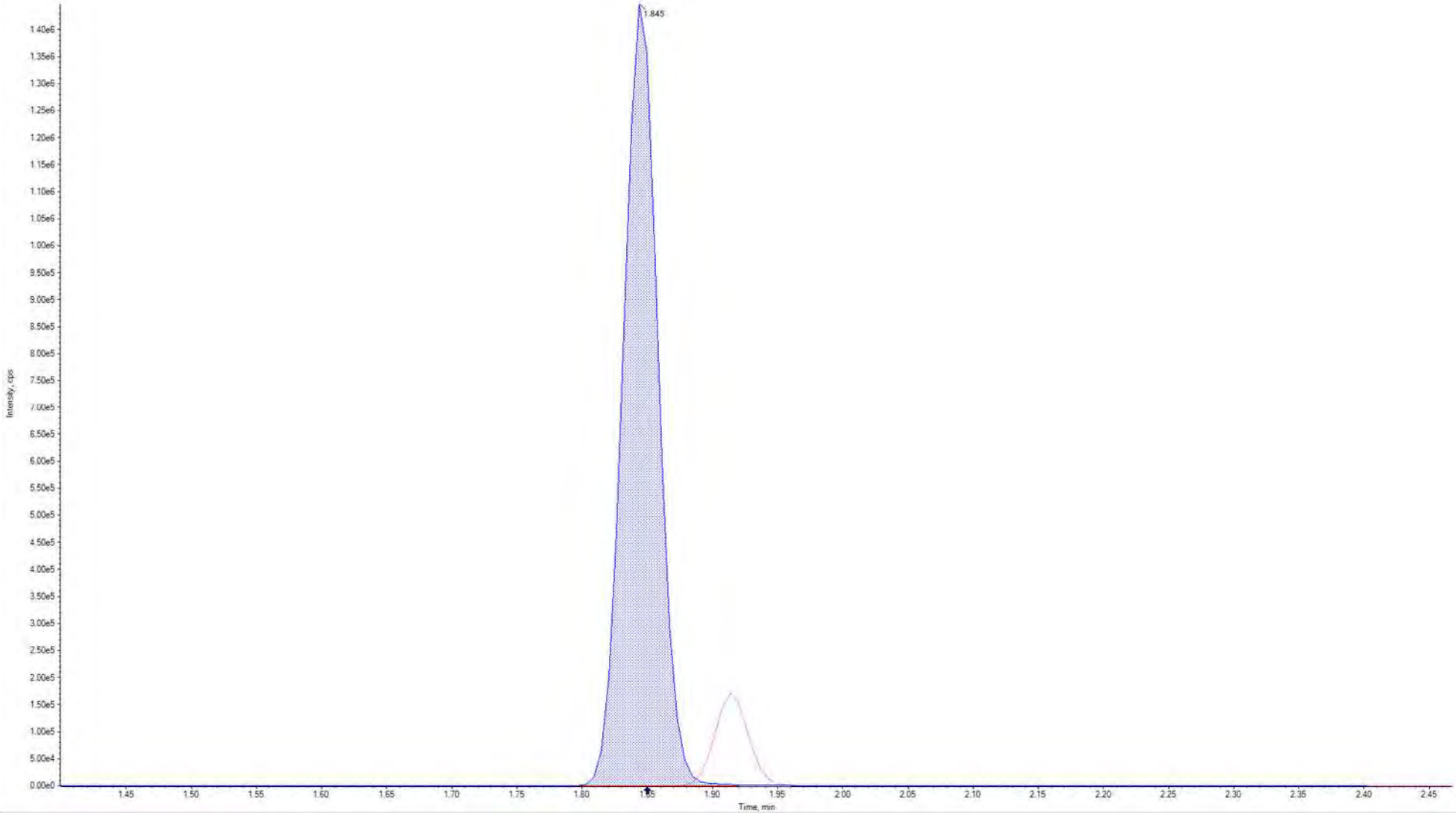
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFMBA
Sample: IA1633STD-12.5 S/N:110251.9 Points Across peak:36



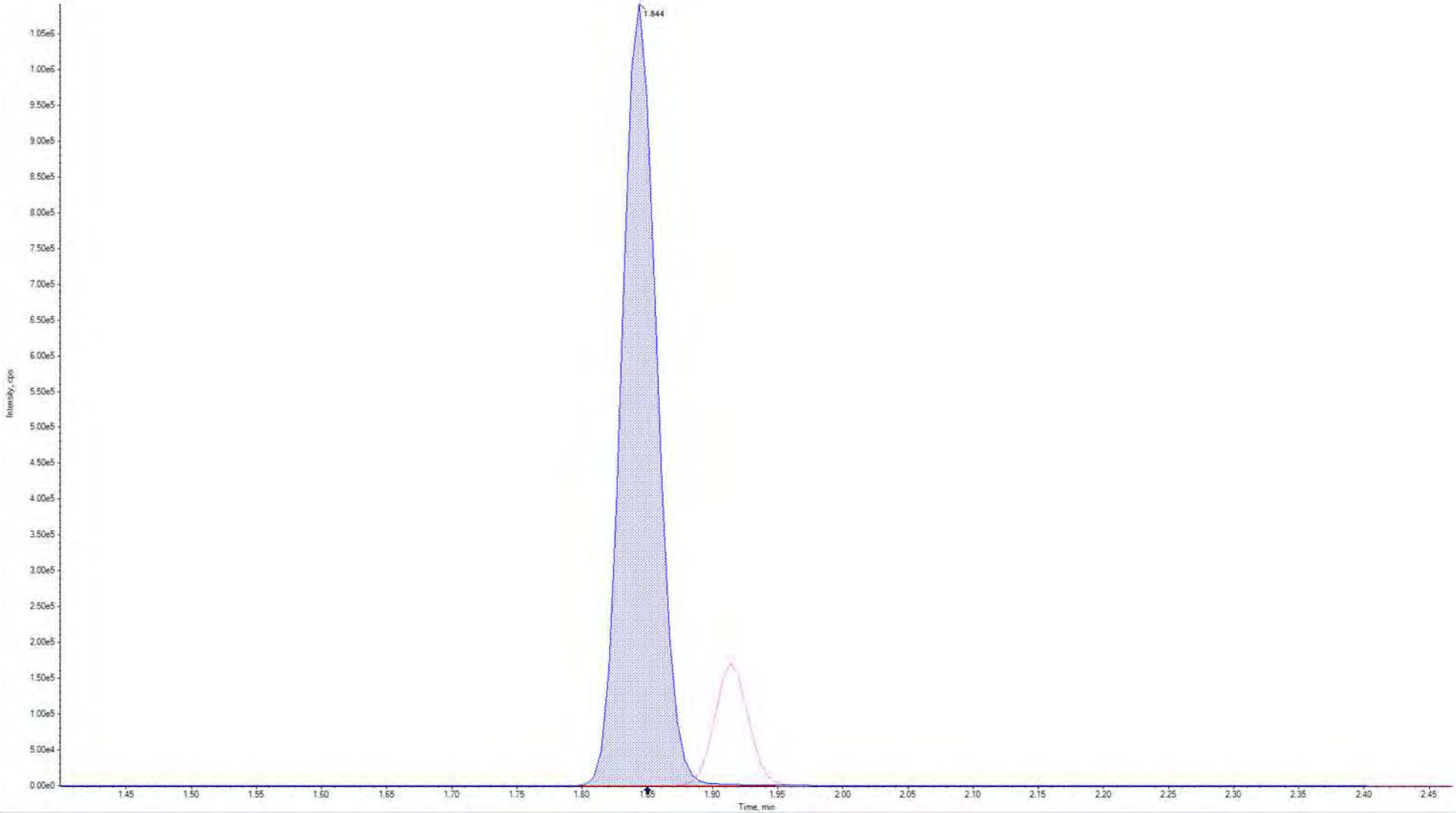
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NFDHA
Sample: IA1633STD-12.5 S/N:4183.7 Points Across peak:24



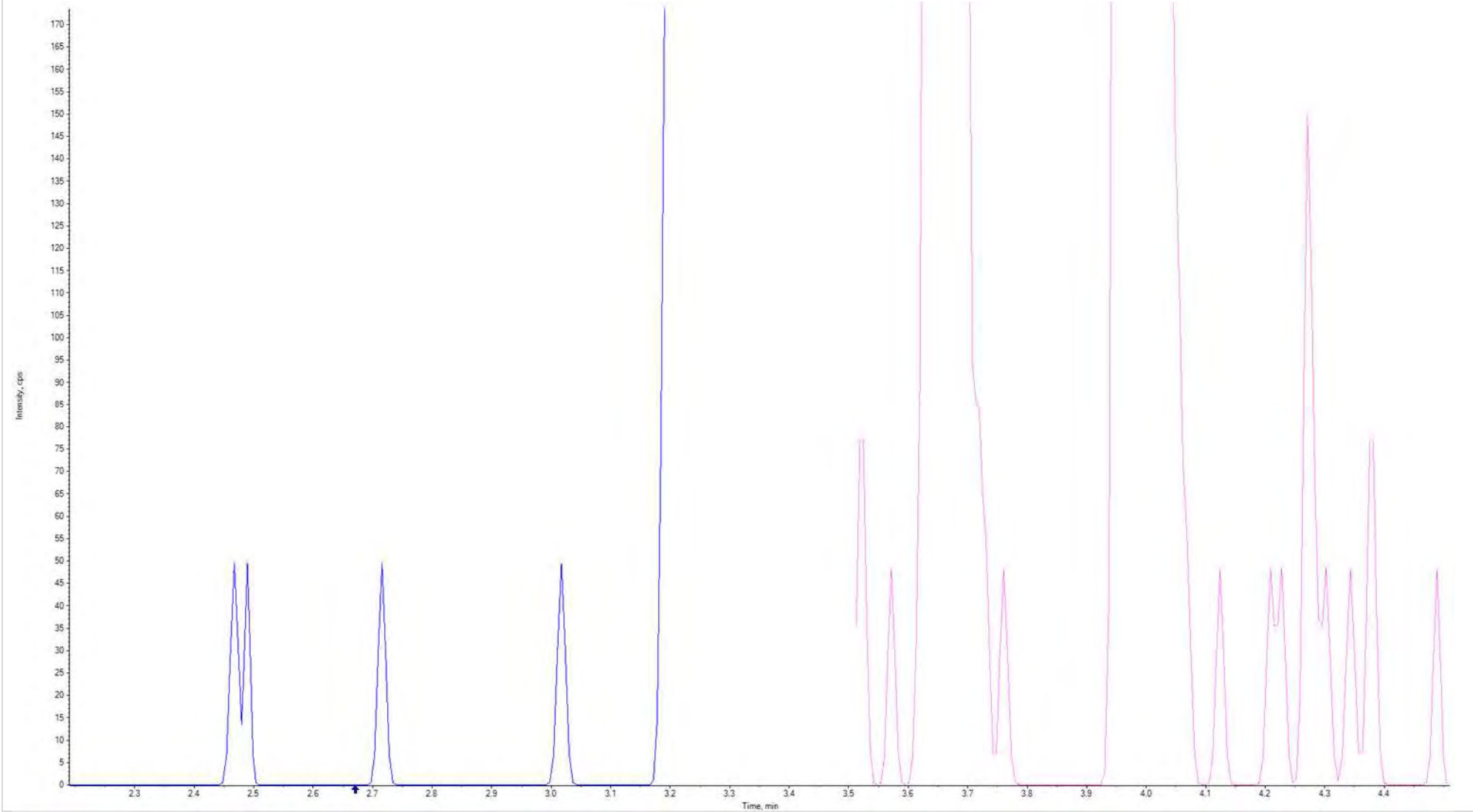
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NFDHA_2
Sample: IA1633STD-12.5 S/N:3654.4 Points Across peak:31



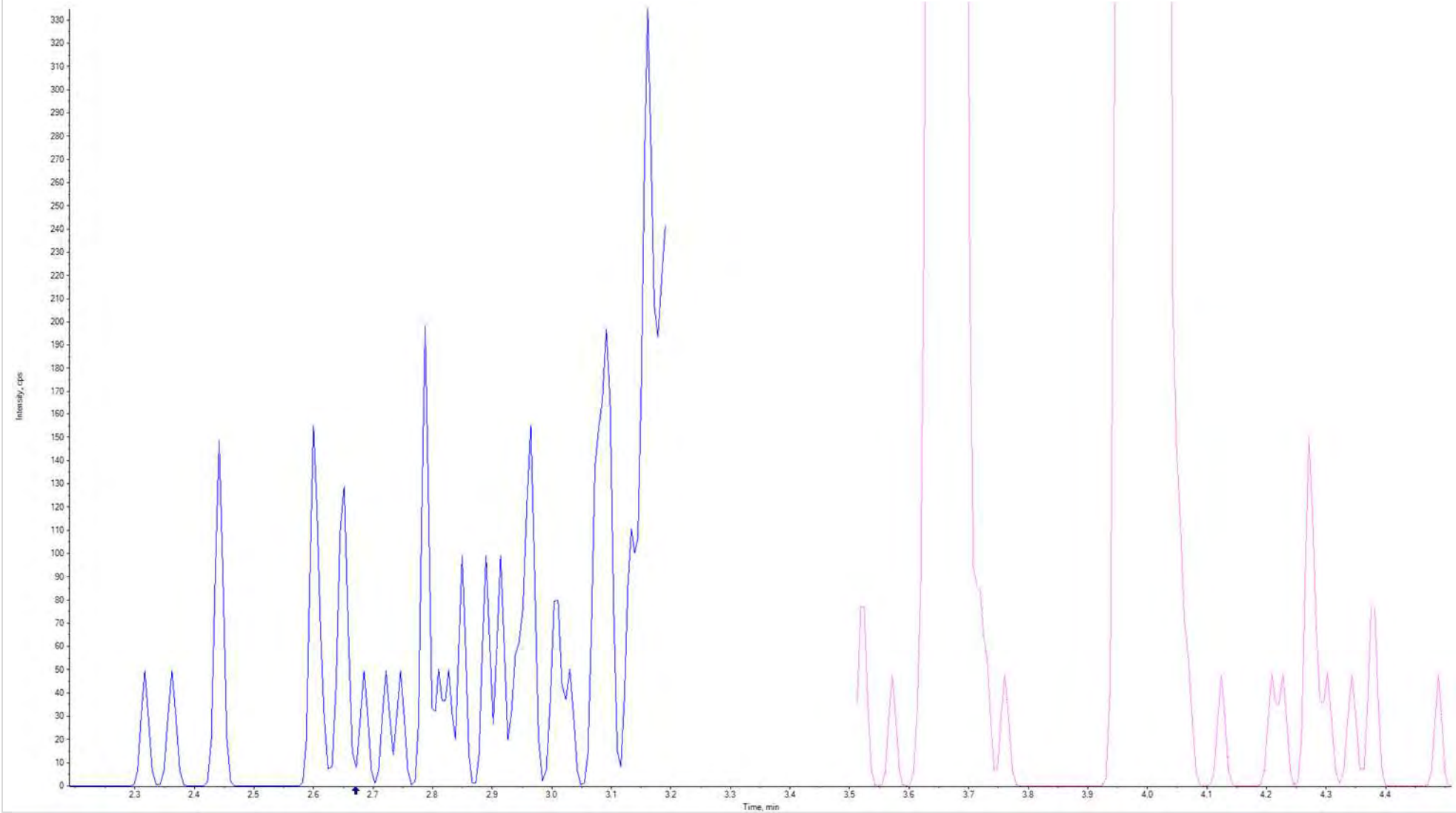
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

TDCA
Sample: IA1633STD-12.5 S/N:N/A Points Across peak:N/A



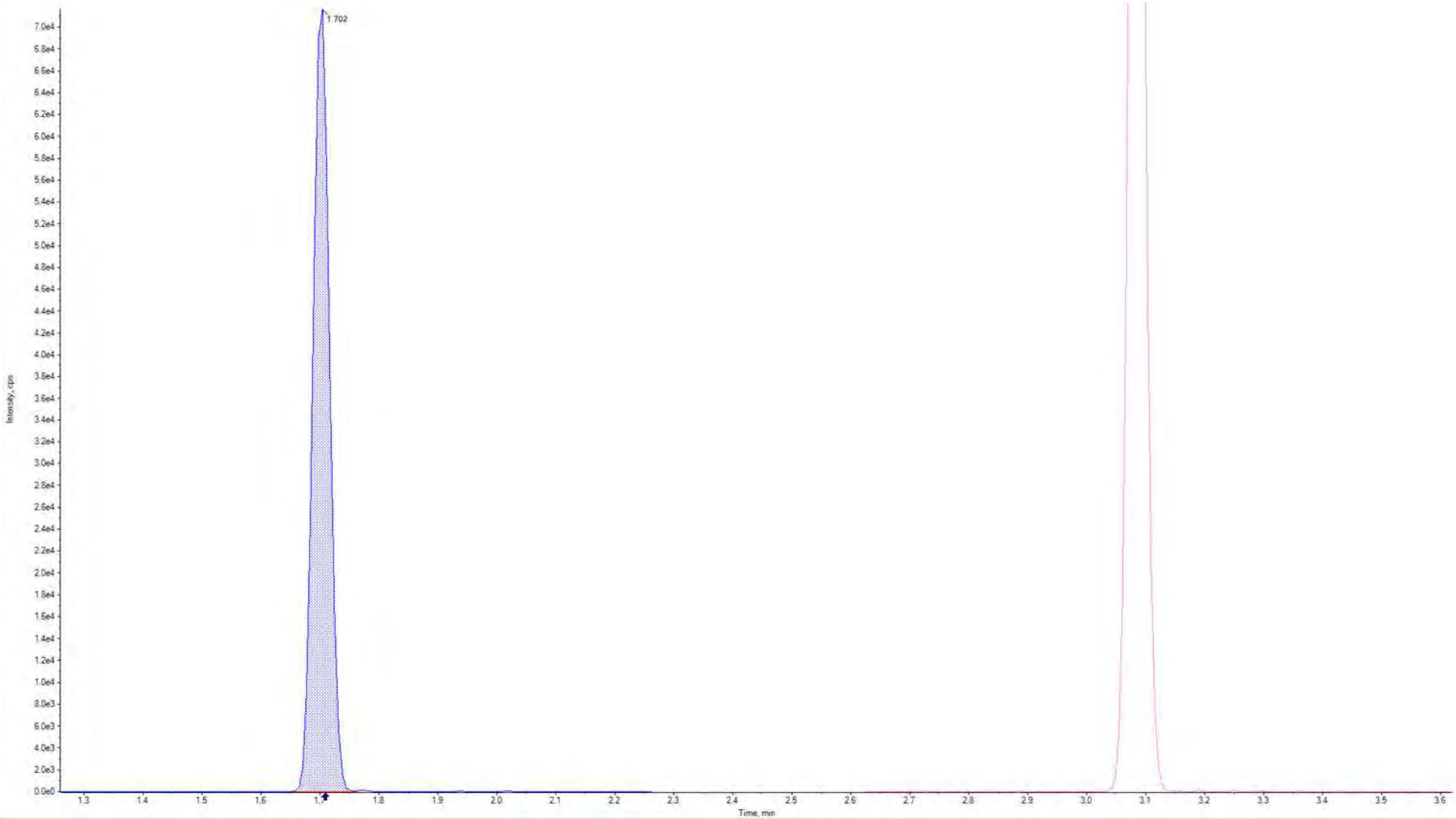
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

TDCA_2
Sample: IA1633STD-12.5 S/N:N/A Points Across peak:N/A



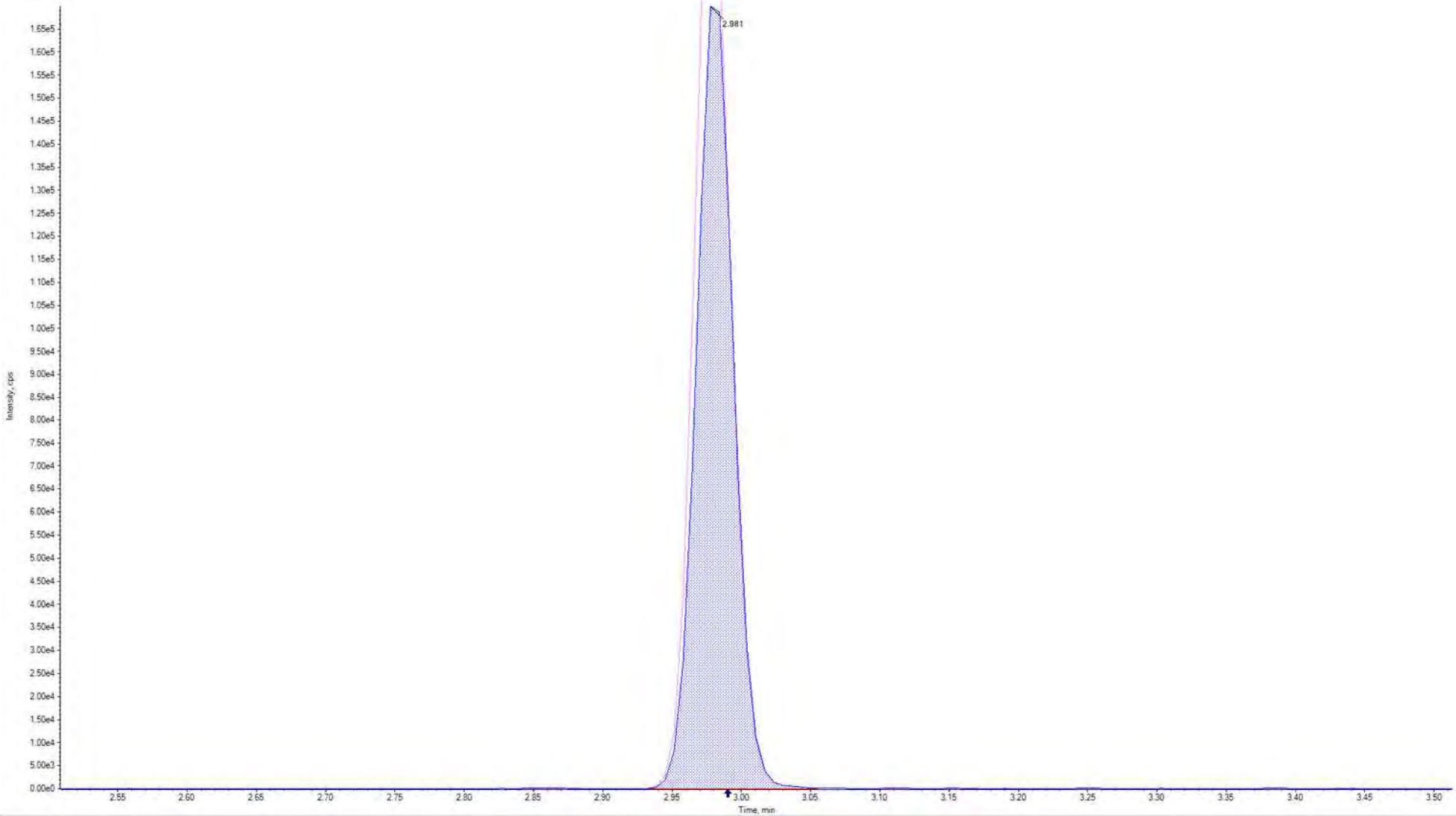
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

13C2D4-4:2FTS
Sample: IA1633STD-12.5 S/N:2693.7 Points Across peak:21



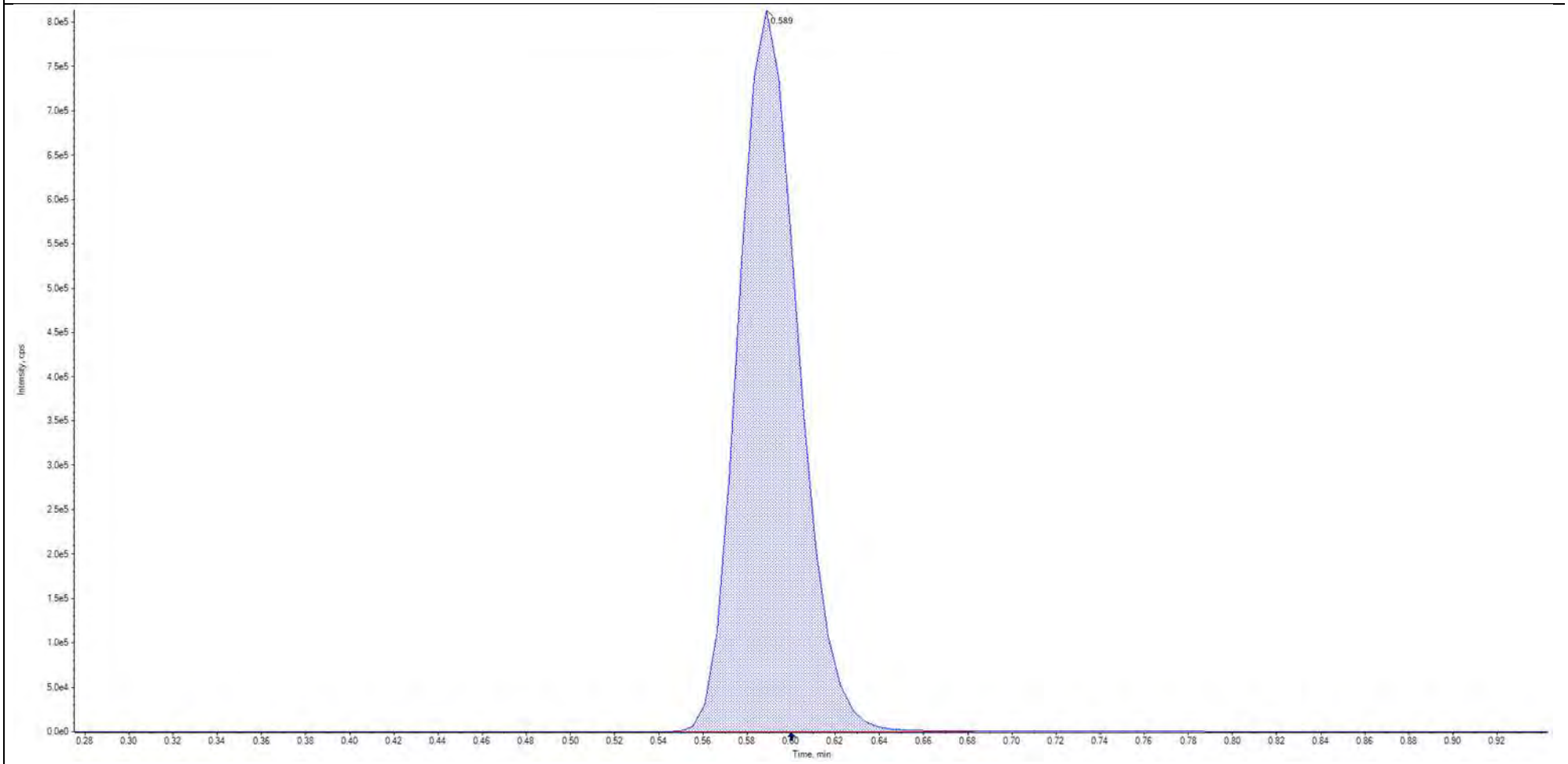
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

13C2-PFOA
Sample: IA1633STD-12.5 S/N:3834.3 Points Across peak:24

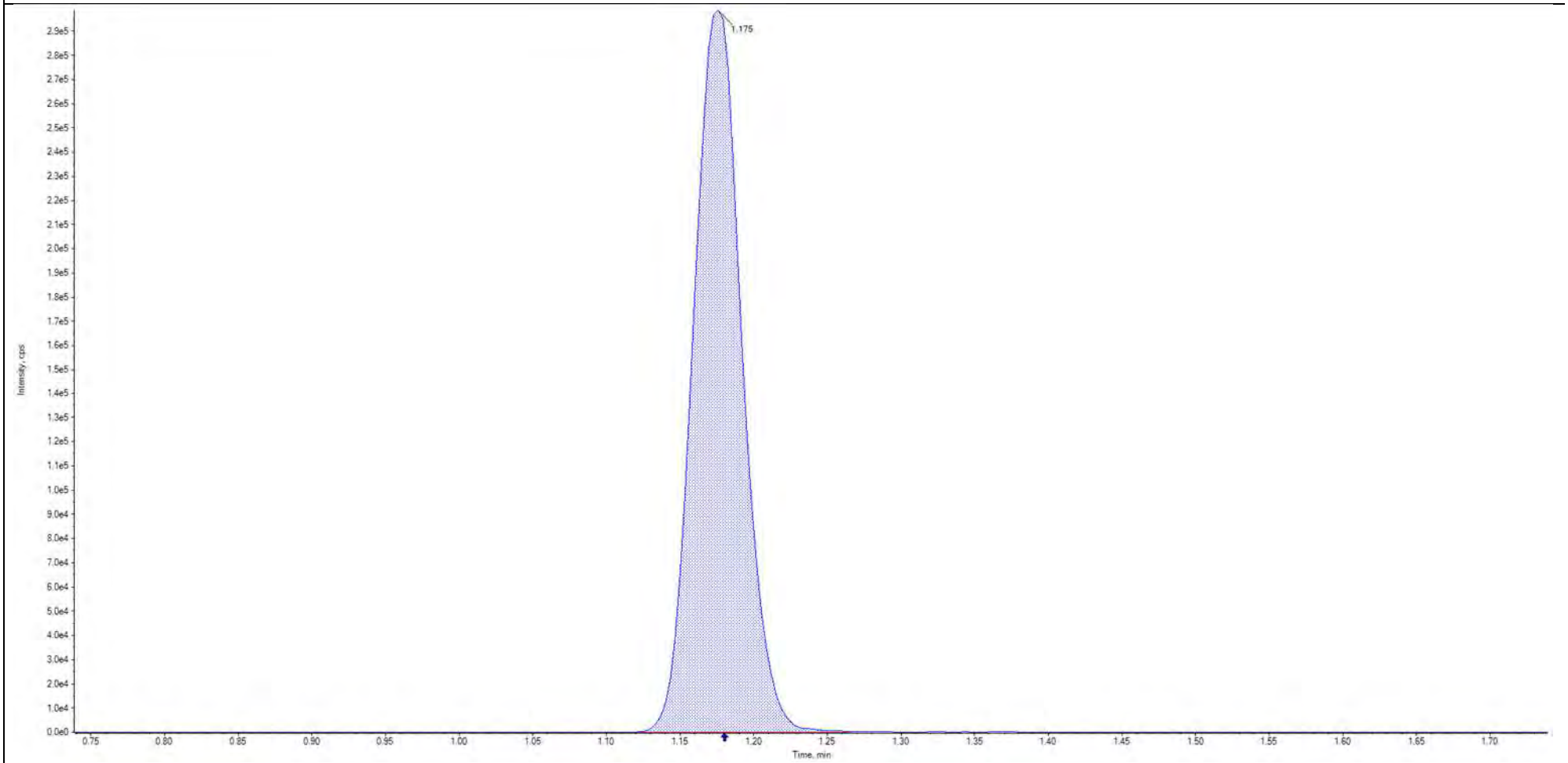


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

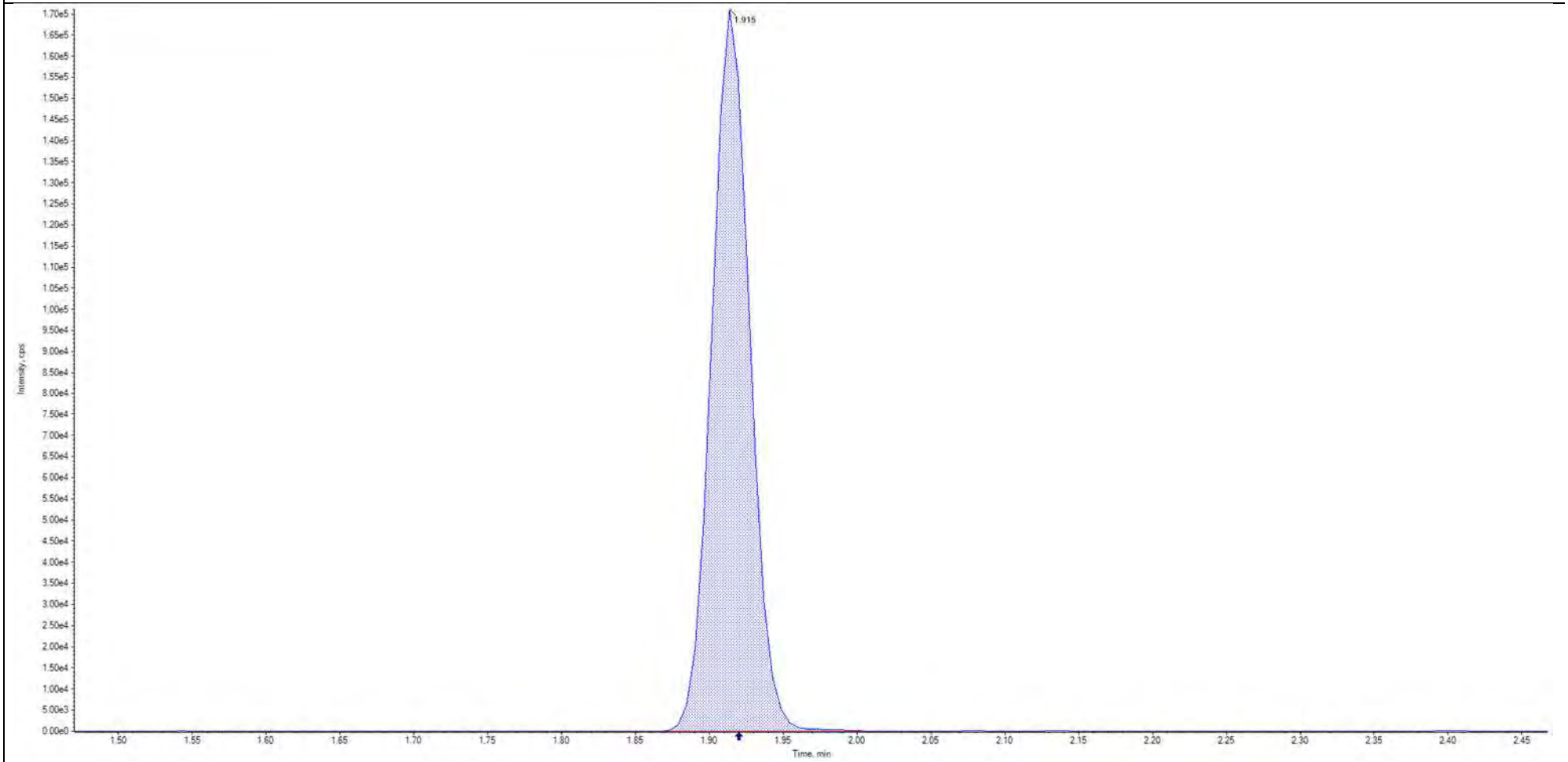
13C4-PFBA
Sample: IA1633STD-12.5



13C5-PFPeA
Sample: IA1633STD-12.5

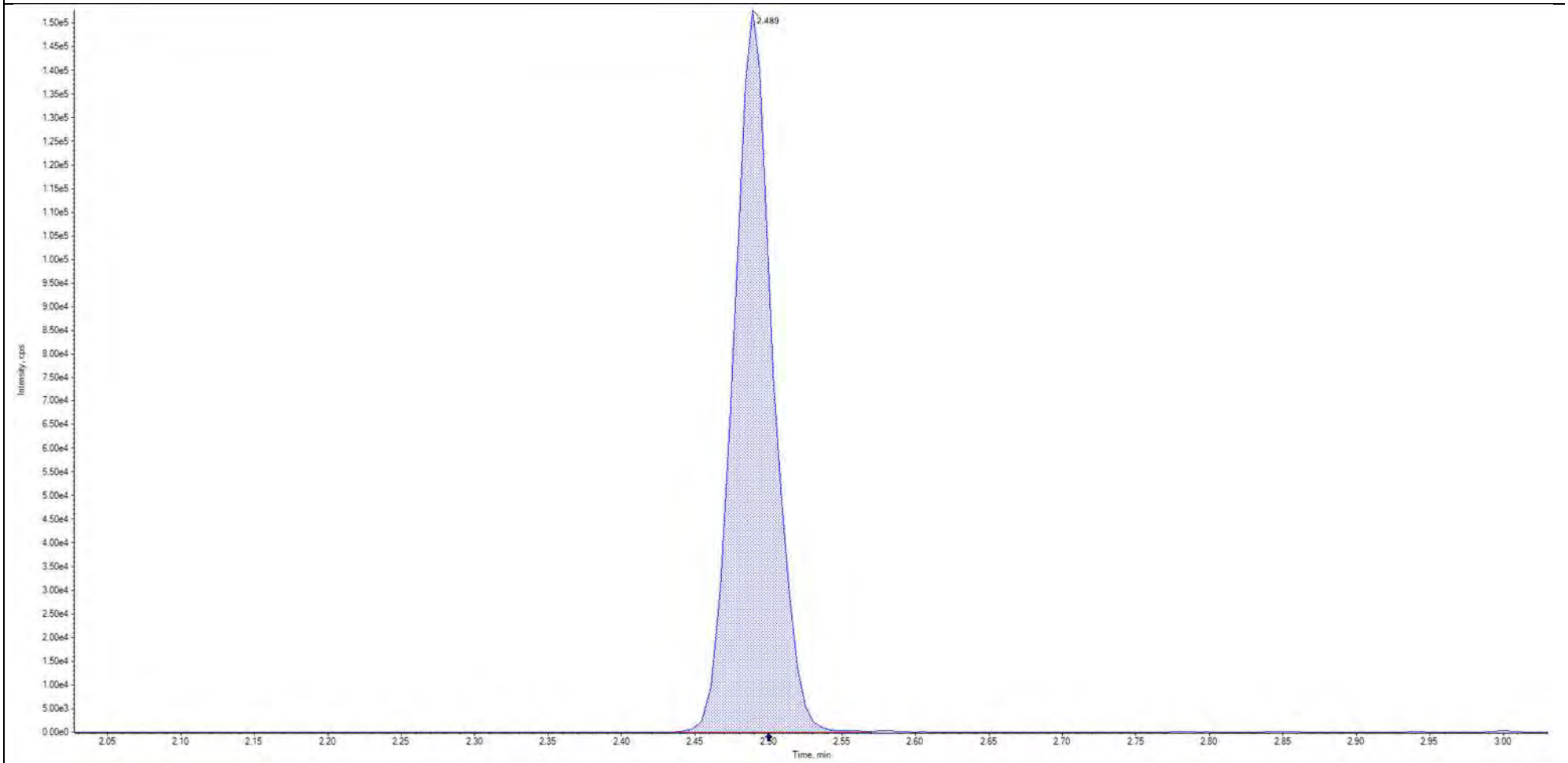


13C5-PFHxA
Sample: IA1633STD-12.5

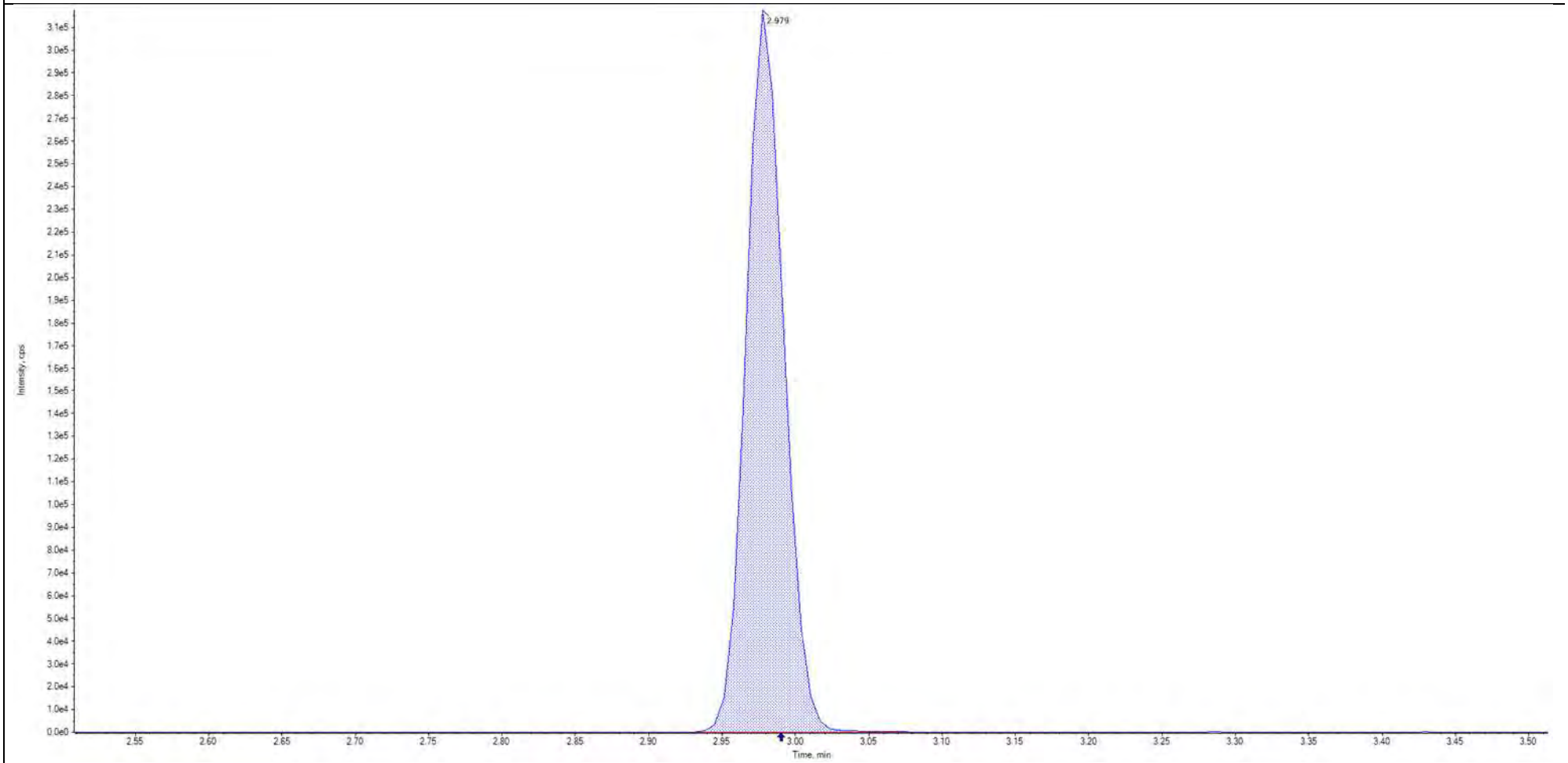


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

13C4-PFHpA
Sample: IA1633STD-12.5

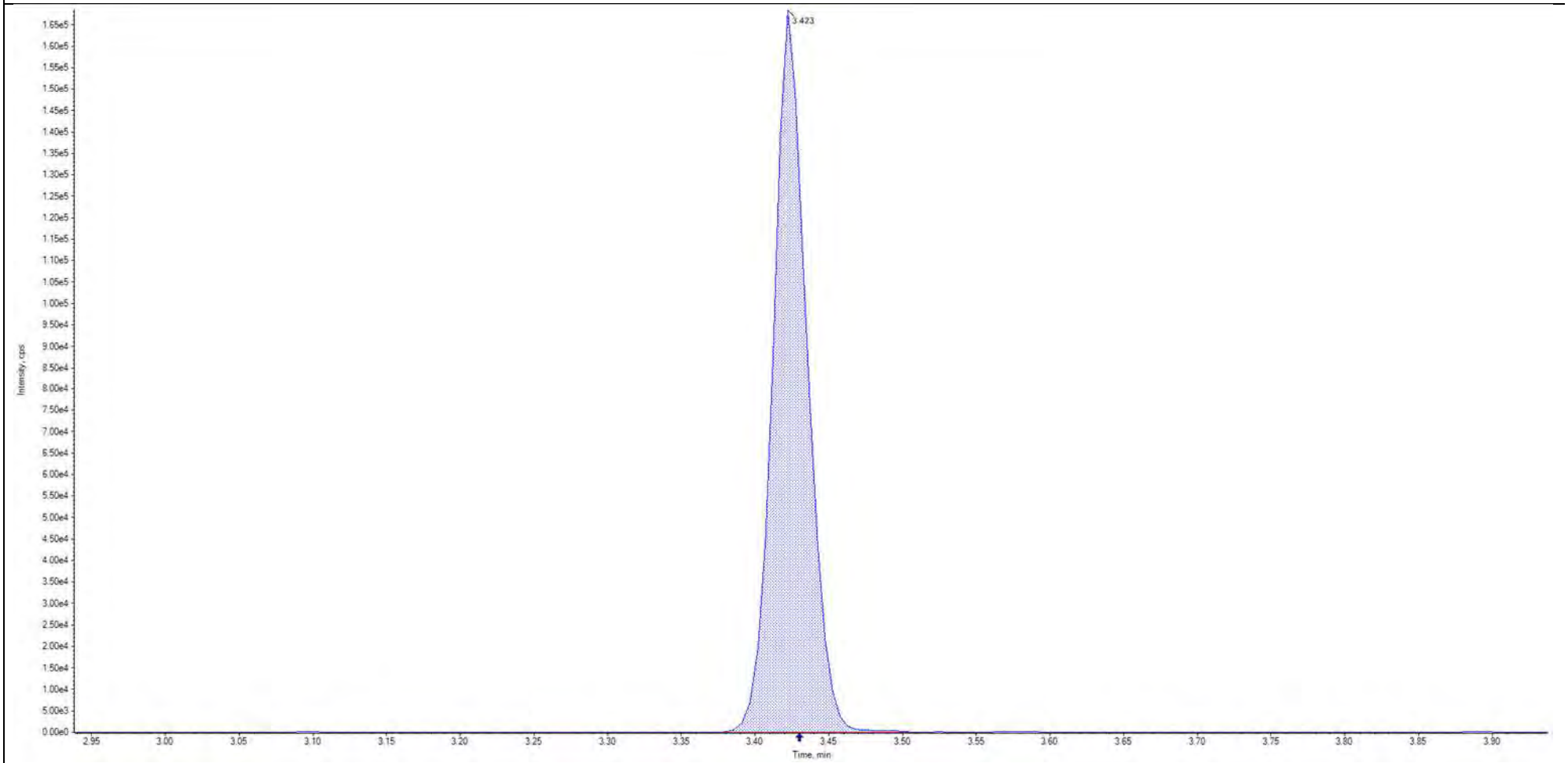


13C8-PFOA
Sample: IA1633STD-12.5

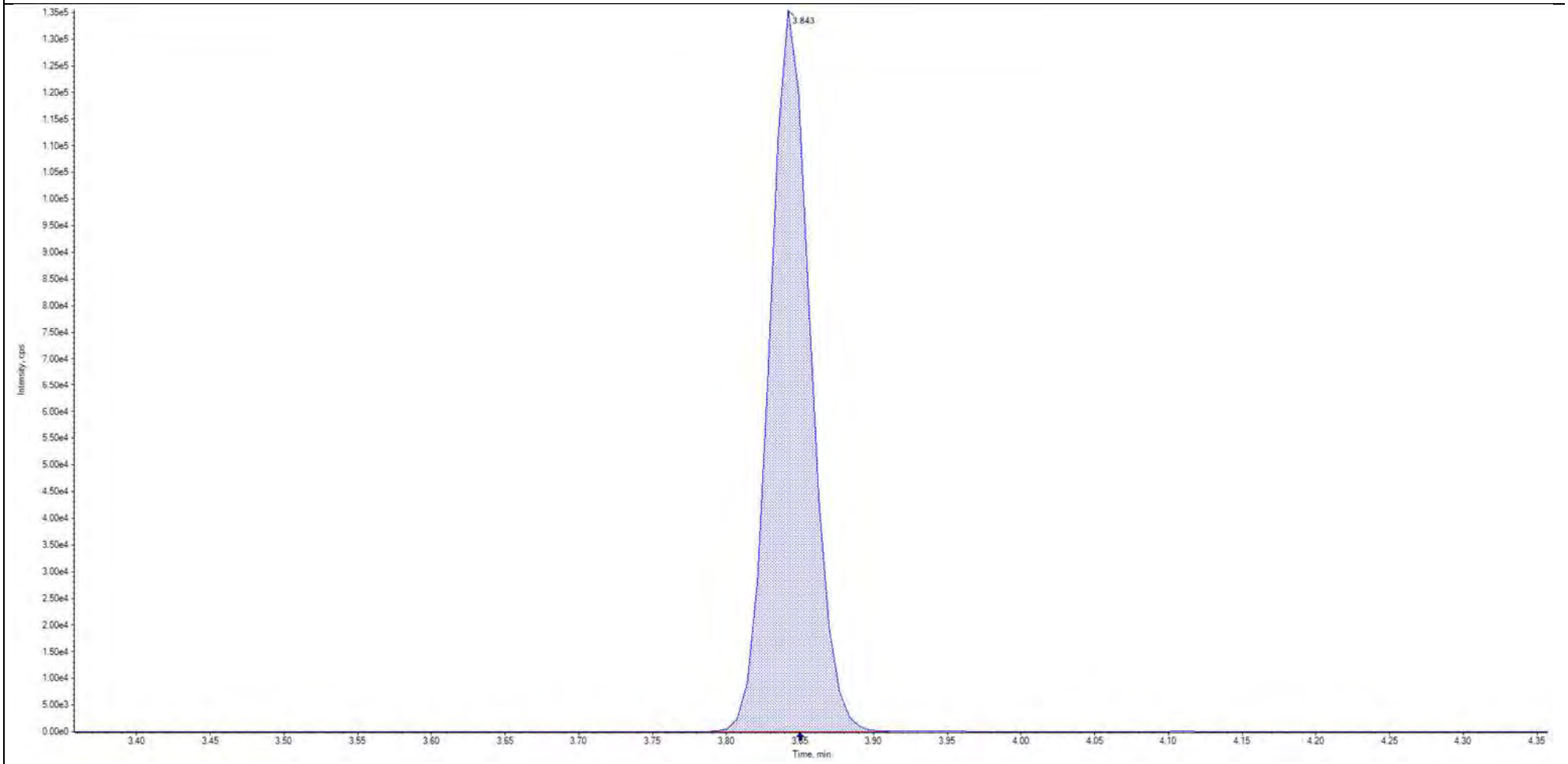


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

13C9-PFNA
Sample: IA1633STD-12.5



13C6-PFDA
Sample: IA1633STD-12.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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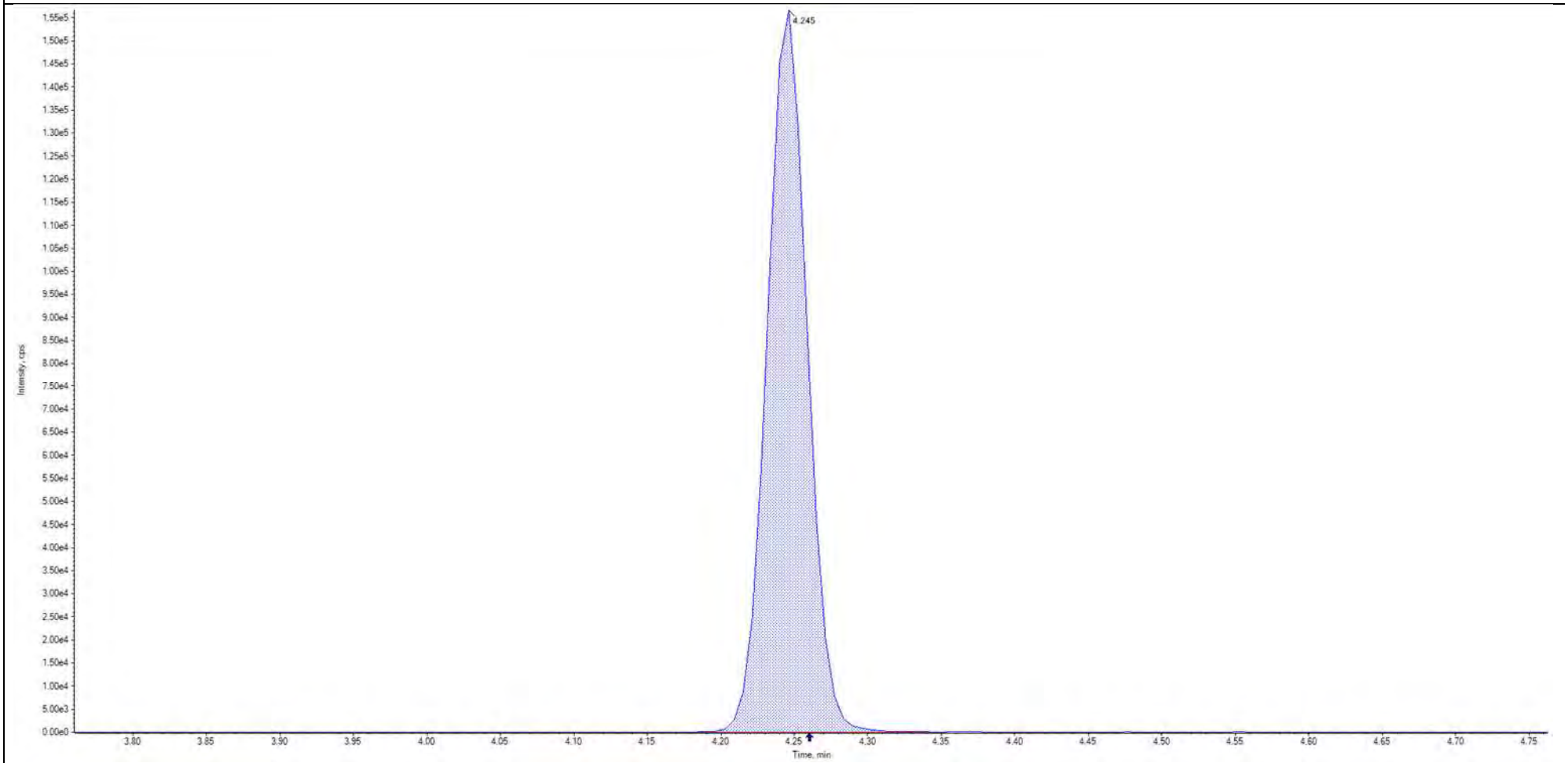
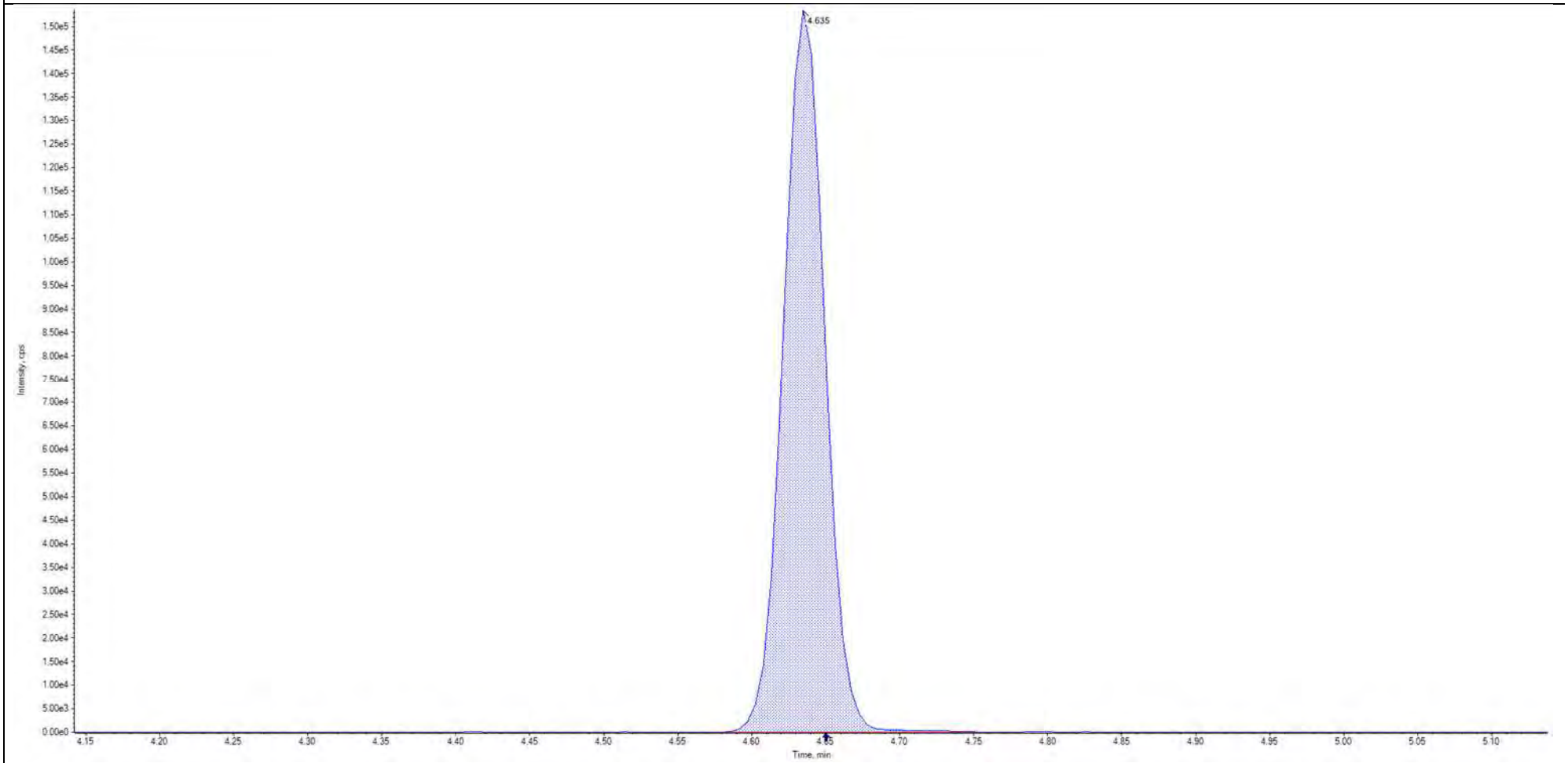
Generated: 3/3/2025 3:16:24 PM

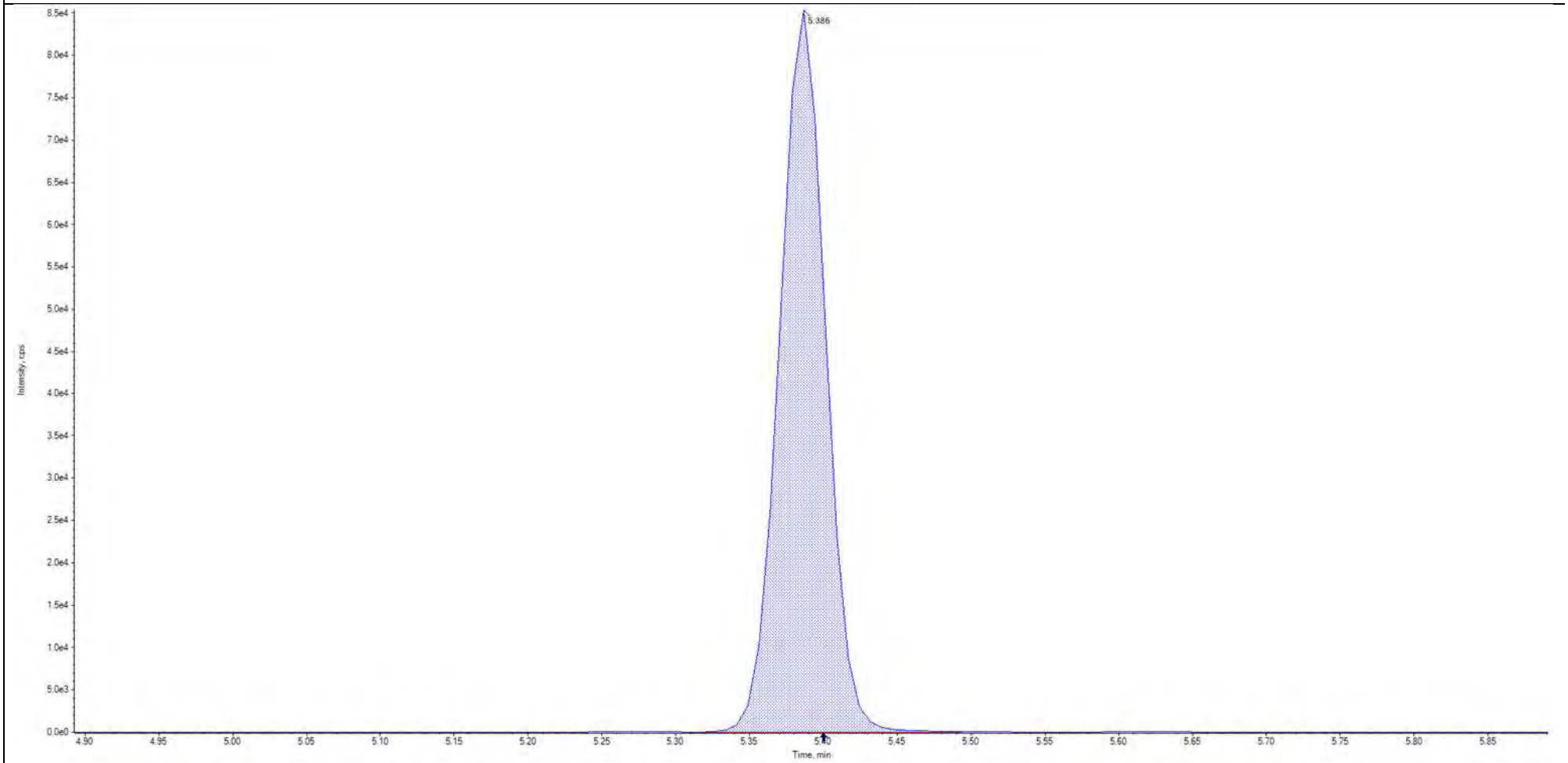
13C7-PFUnA
Sample: IA1633STD-12.5



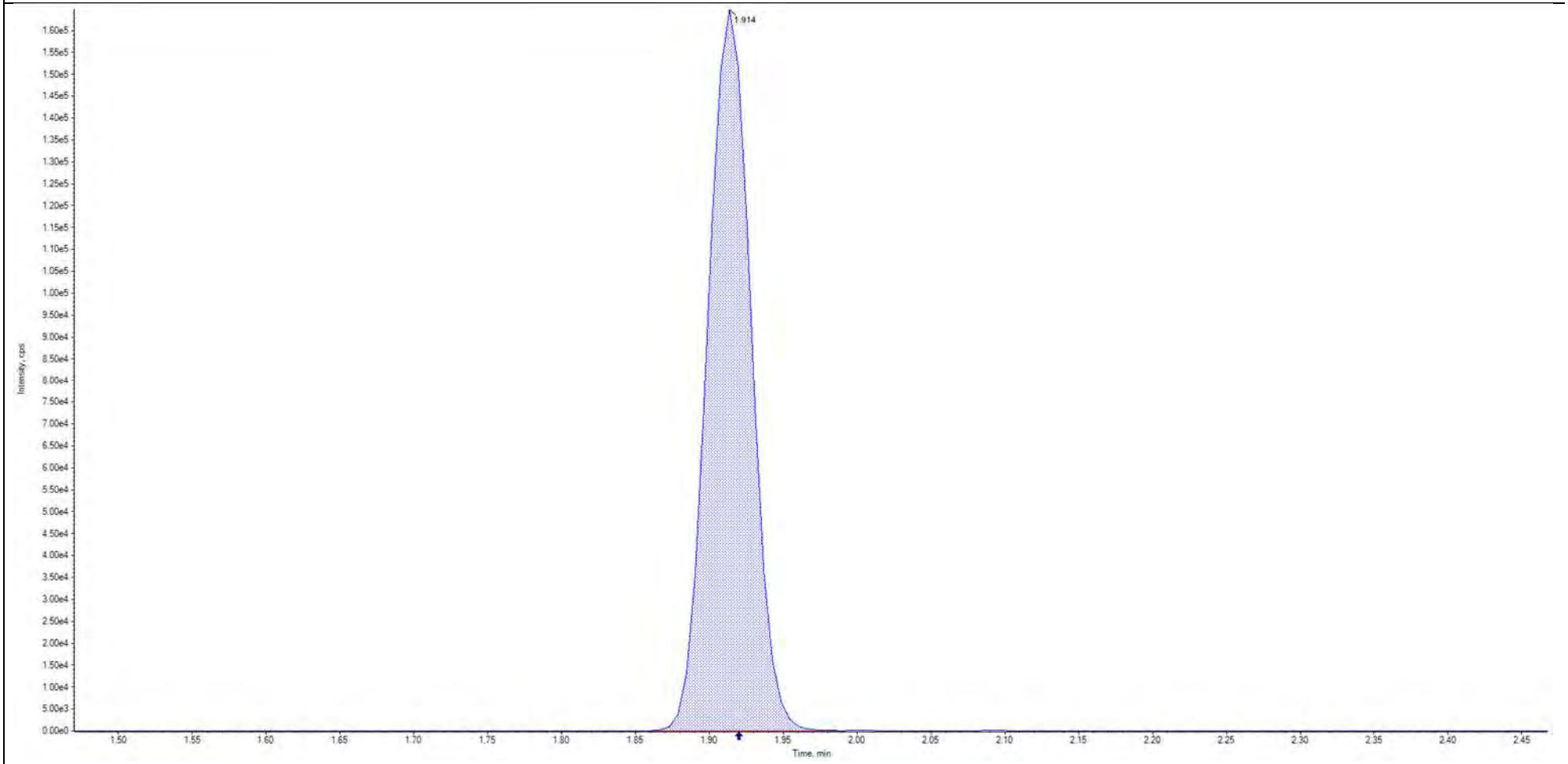
13C2-PFDoA
Sample: IA1633STD-12.5



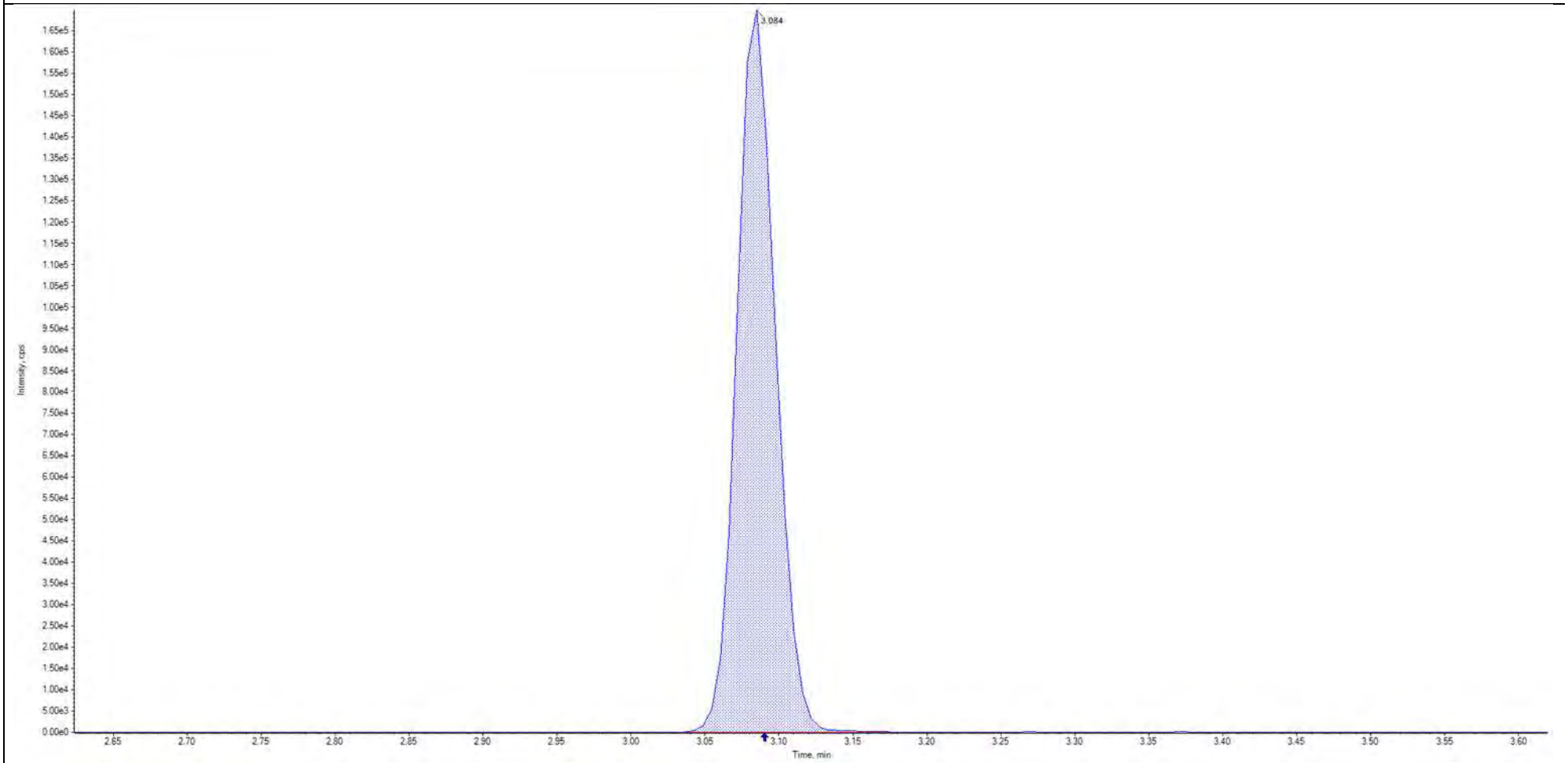
13C2-PFTeDA
Sample: IA1633STD-12.5



13C3-PFBS
Sample: IA1633STD-12.5



13C3-PFHxS
Sample: IA1633STD-12.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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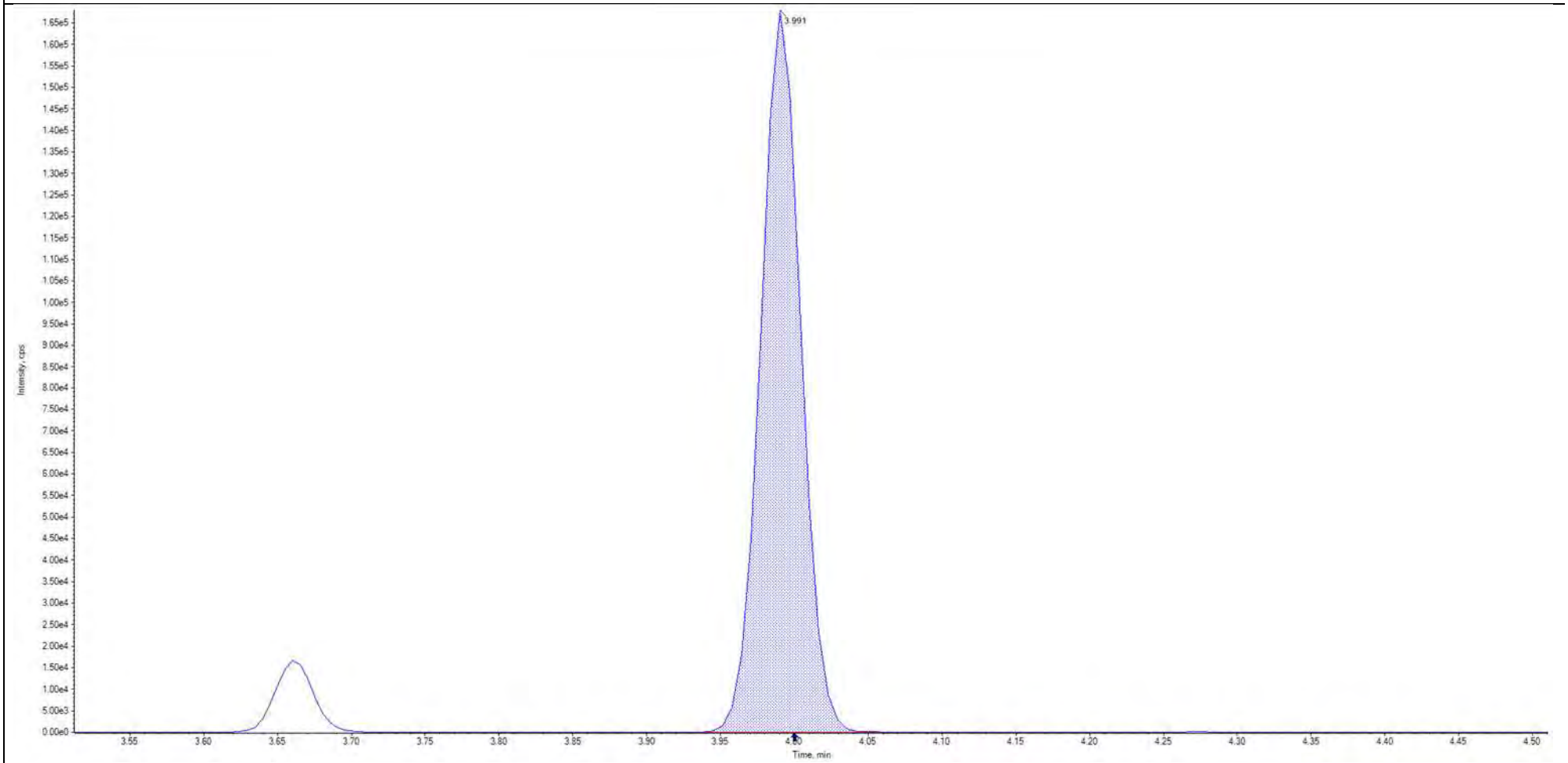
13C8-PFOS
Sample: IA1633STD-12.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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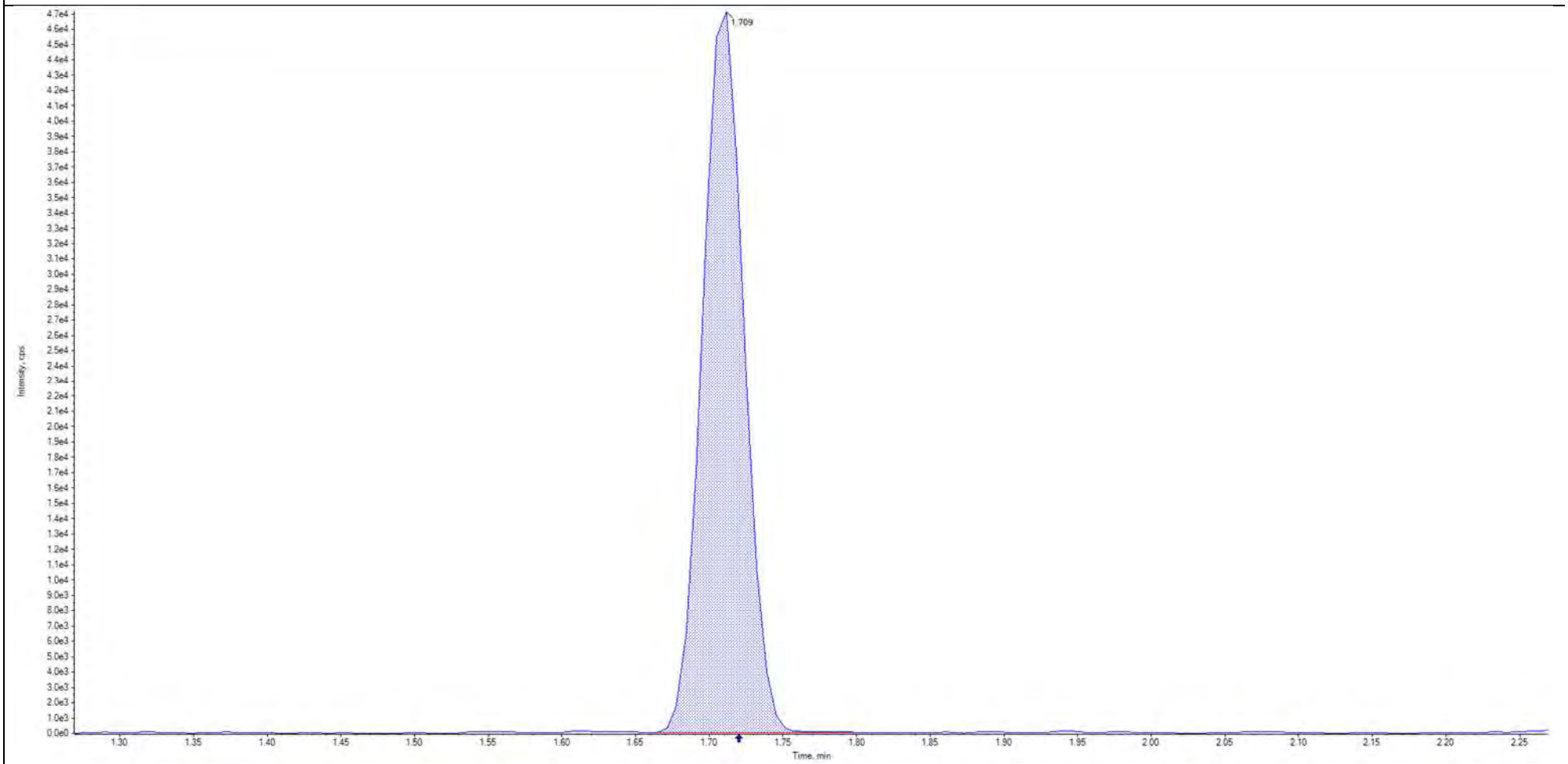
13C2-4:2FTS
Sample: IA1633STD-12.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 6:51:07 AM
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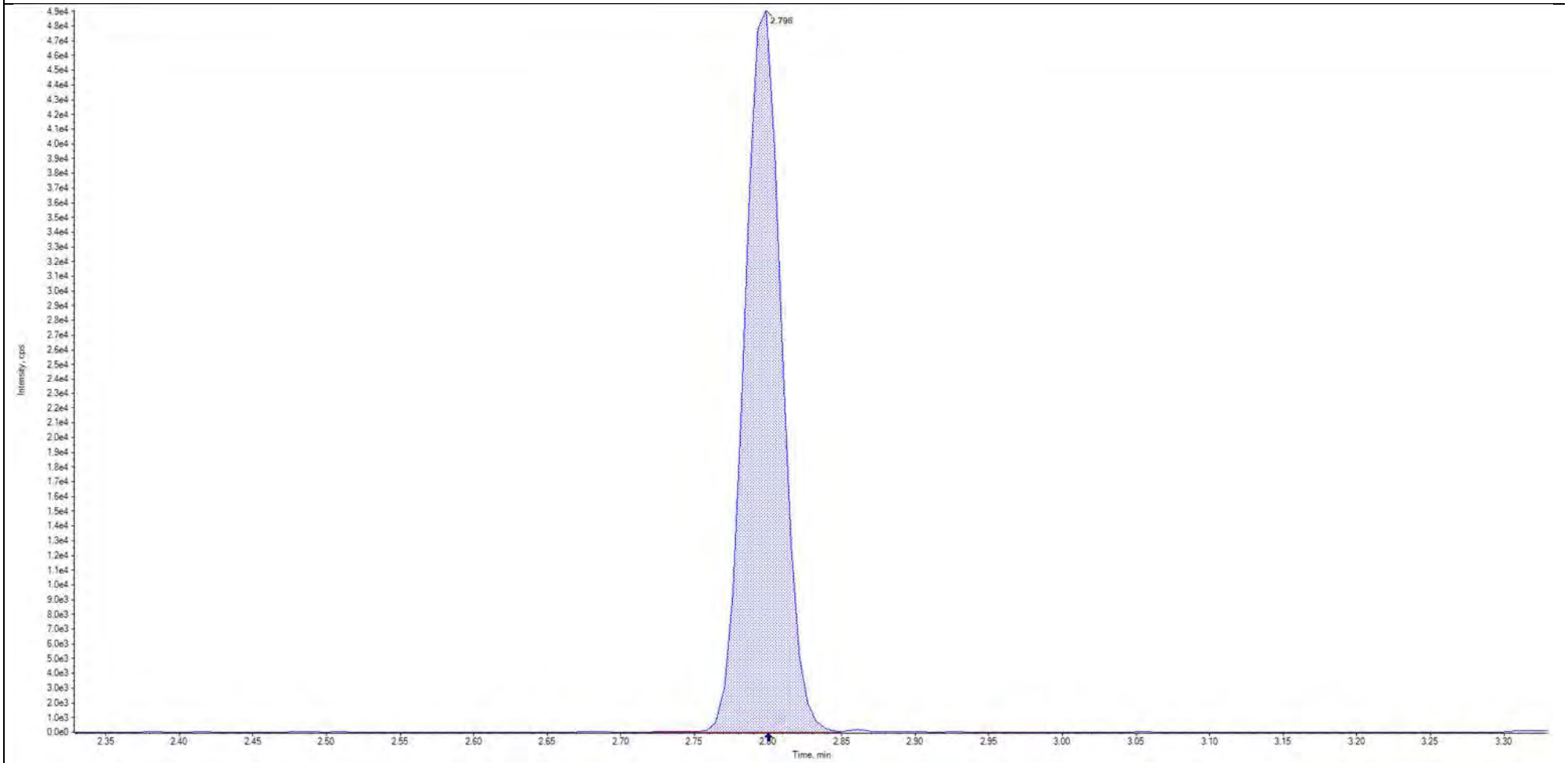
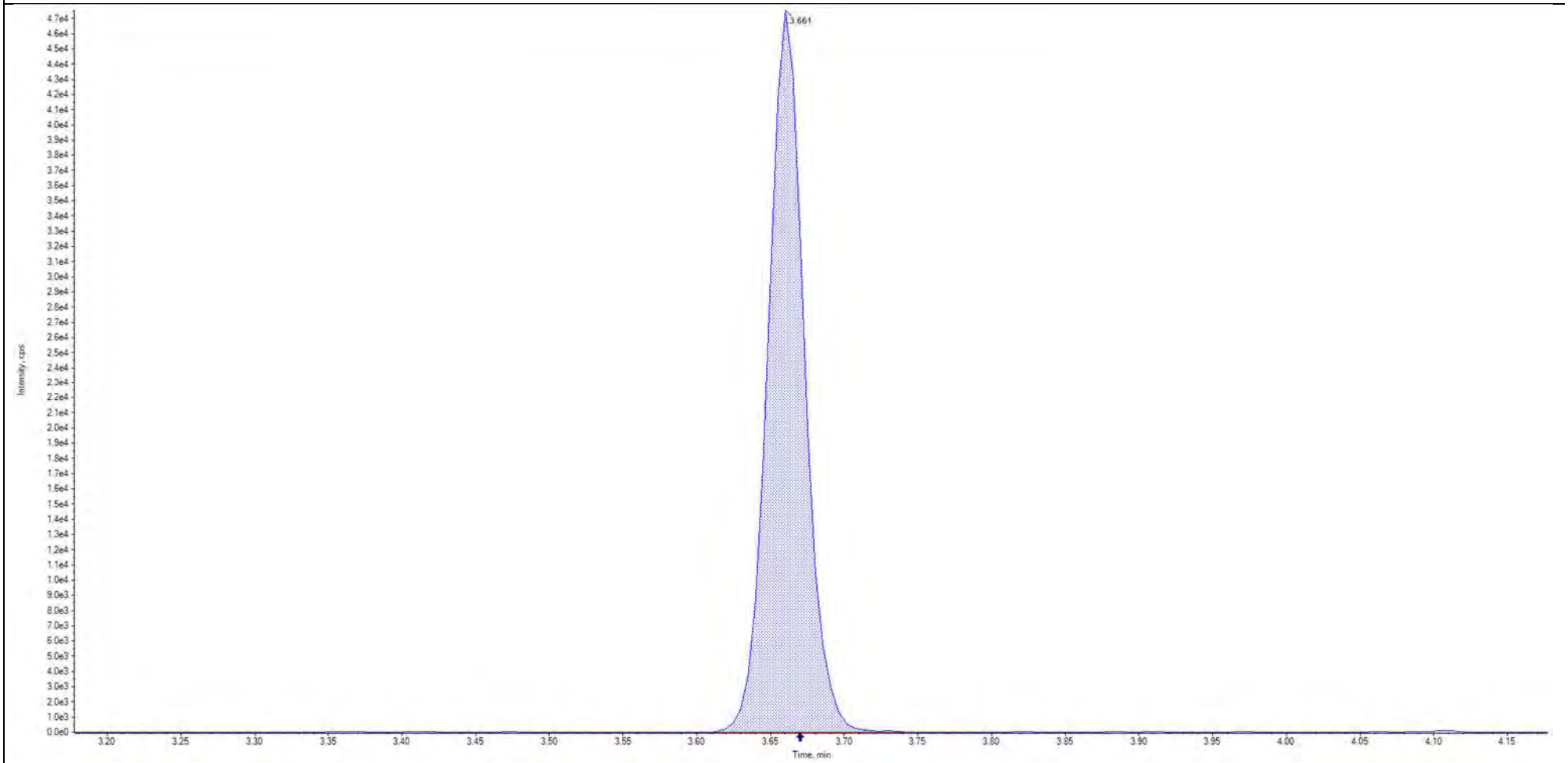
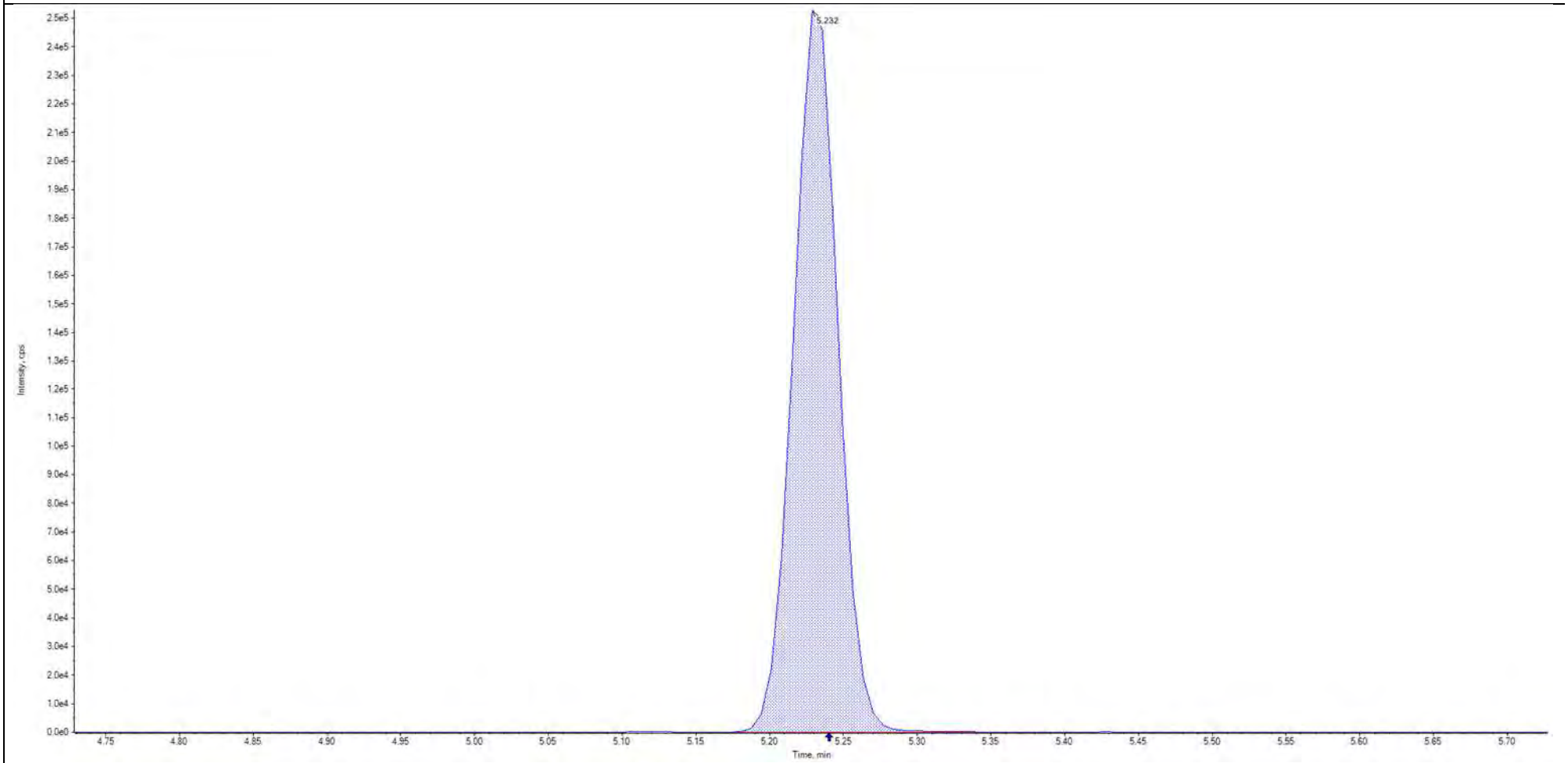
13C2-6:2FTS
Sample: IA1633STD-12.5



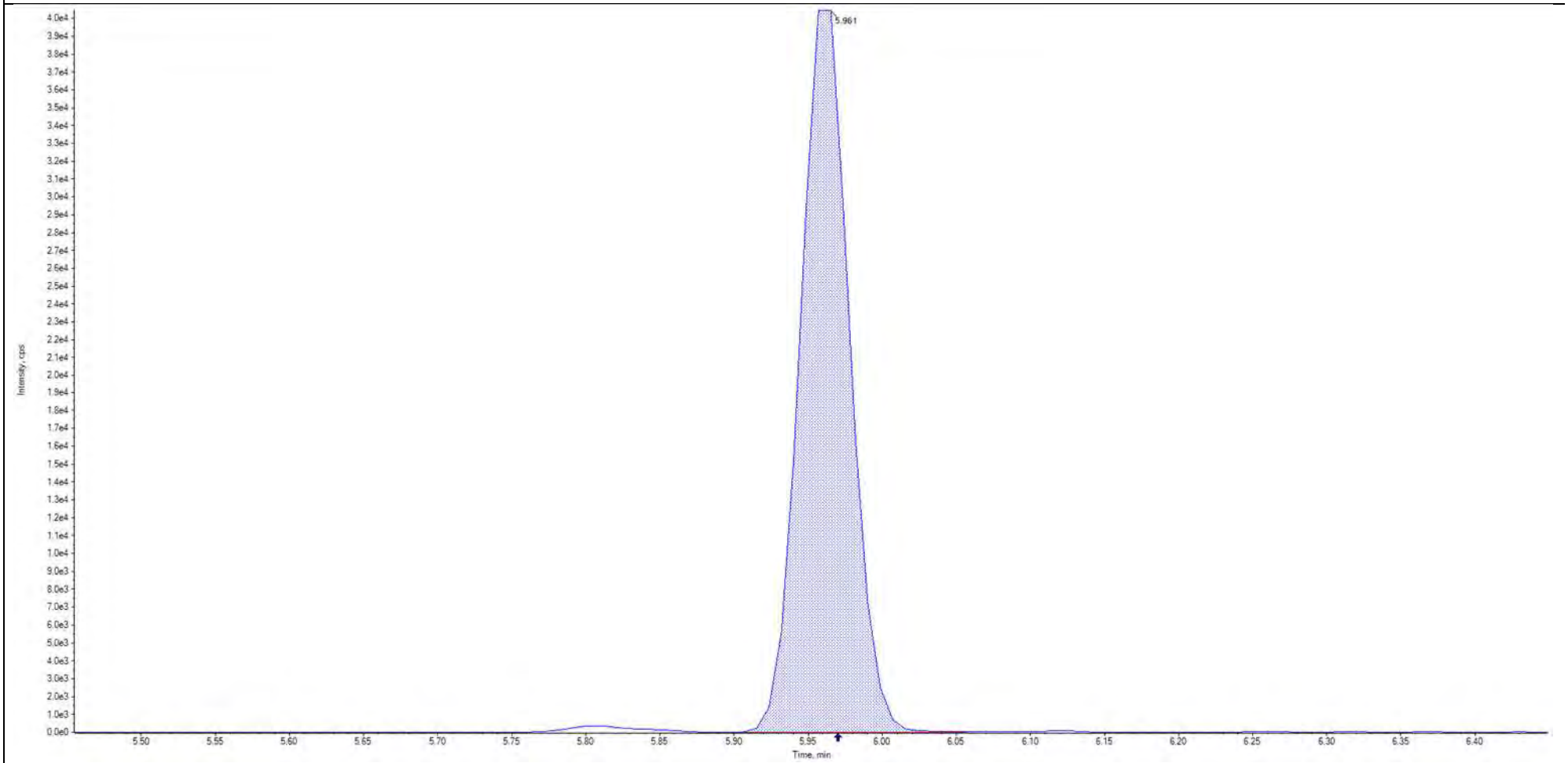
13C2-8:2FTS
Sample: IA1633STD-12.5



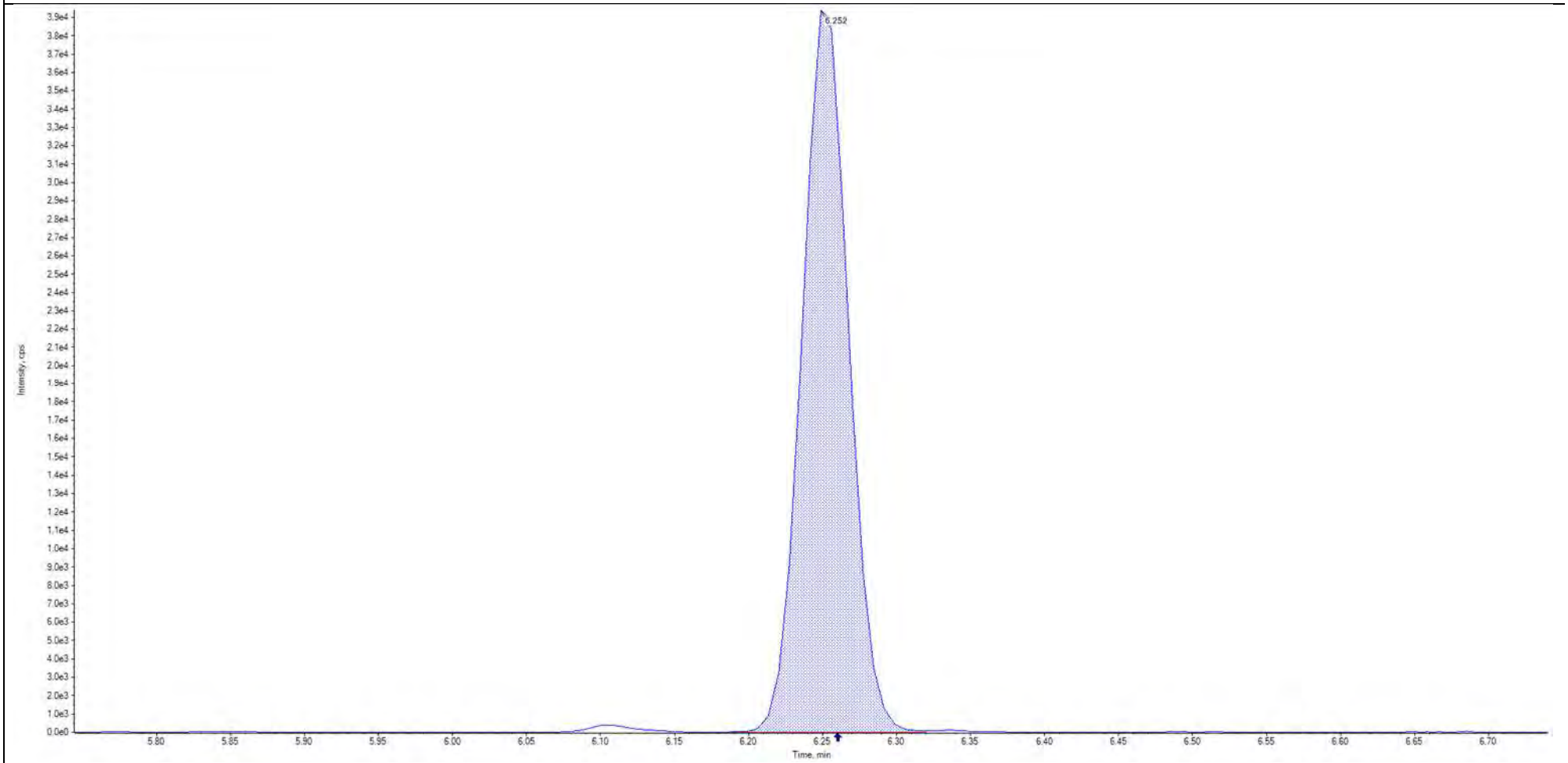
13C8-PFOSA
Sample: IA1633STD-12.5



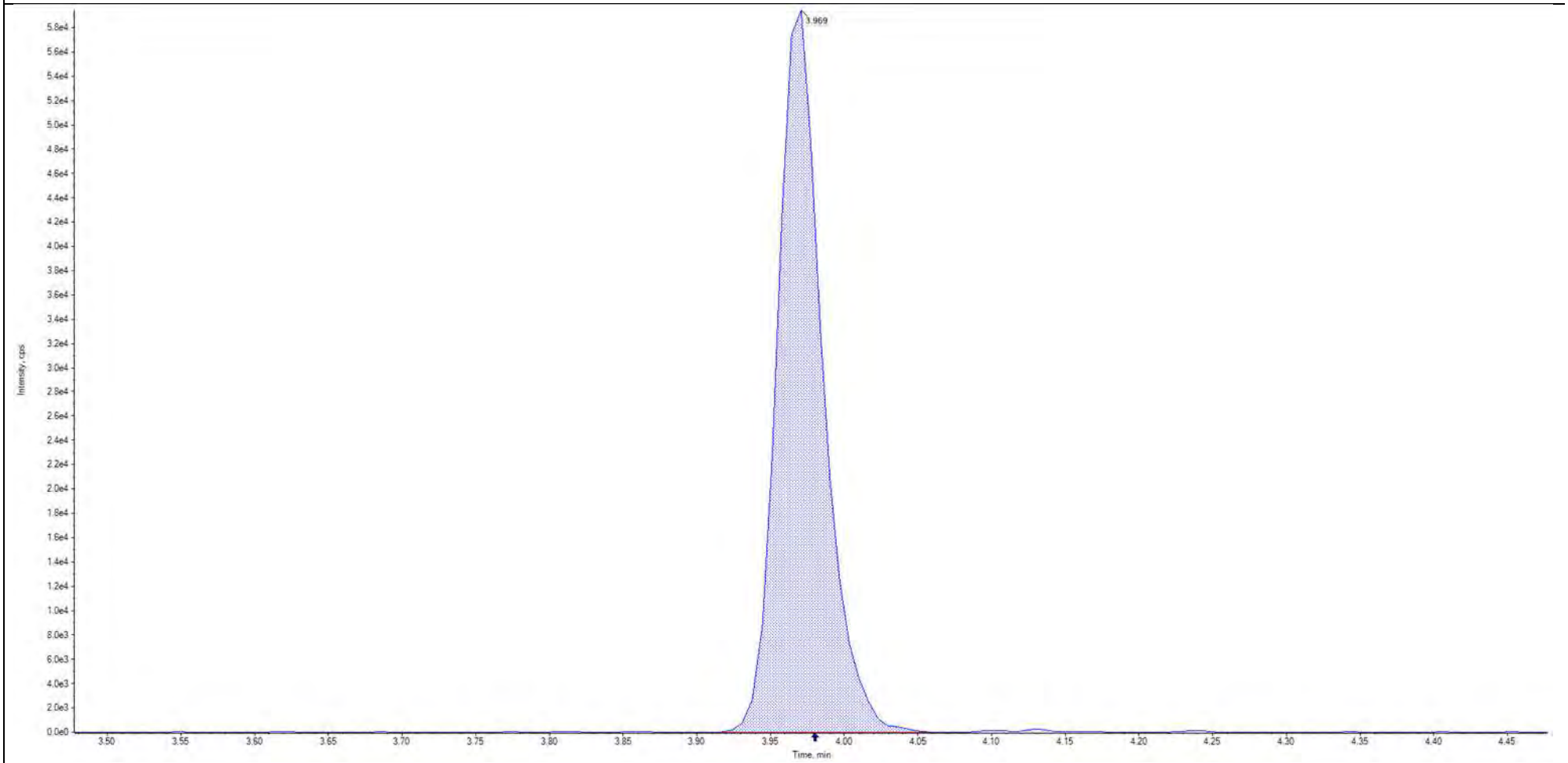
d3-NMeFOSA
Sample: IA1633STD-12.5



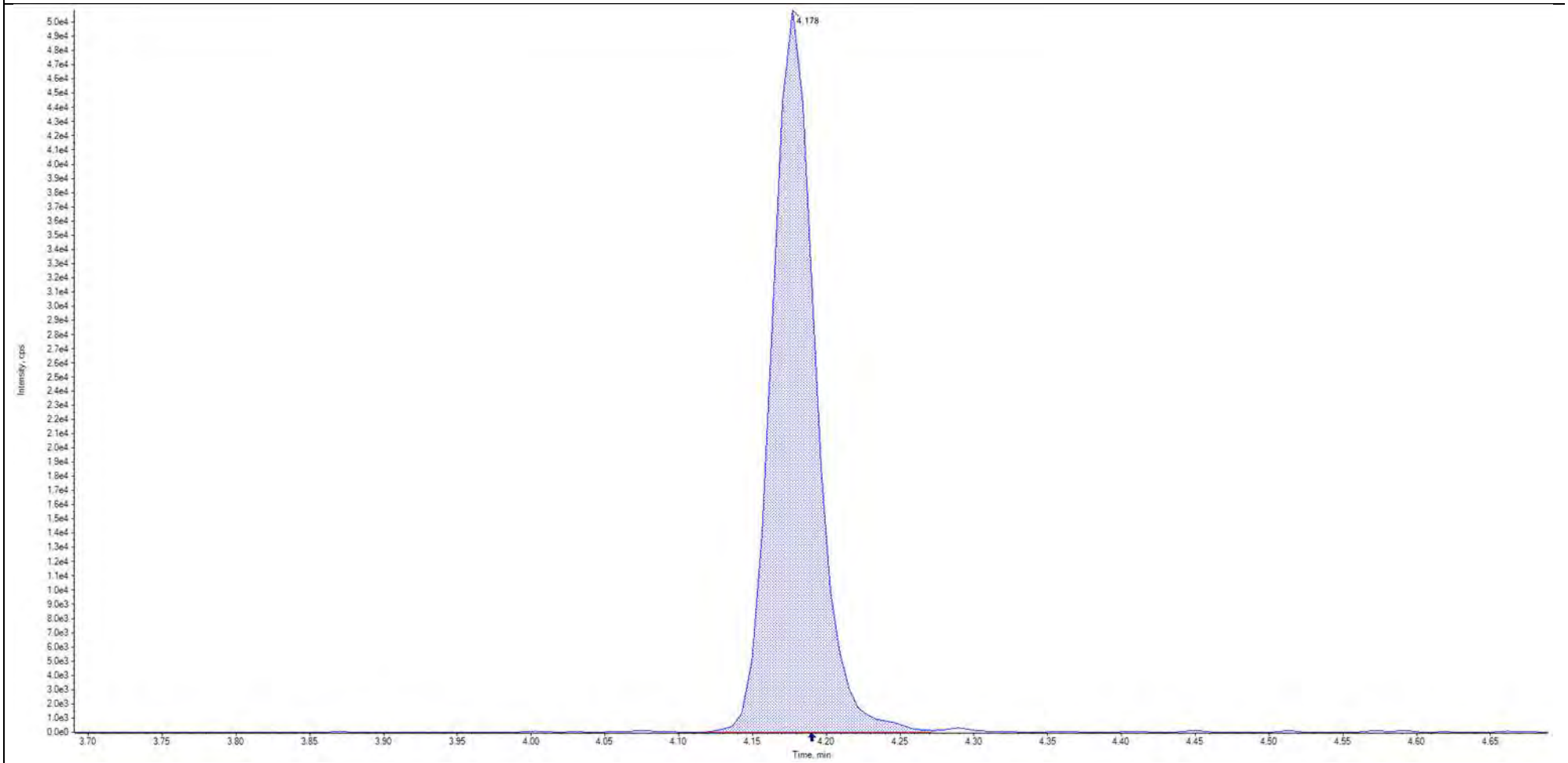
d5-NEtFOSA
Sample: IA1633STD-12.5



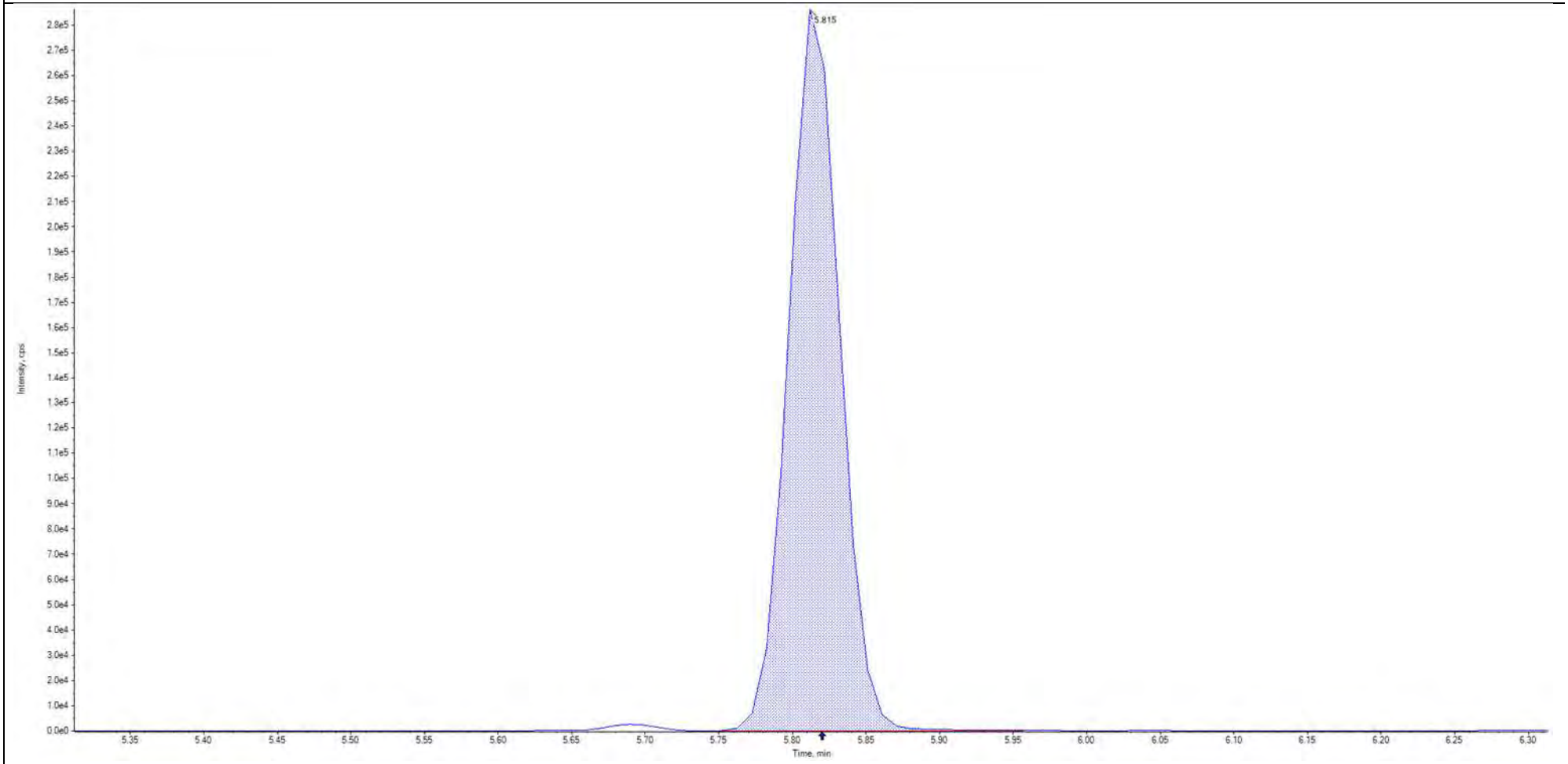
d3-NMeFOSAA
Sample: IA1633STD-12.5



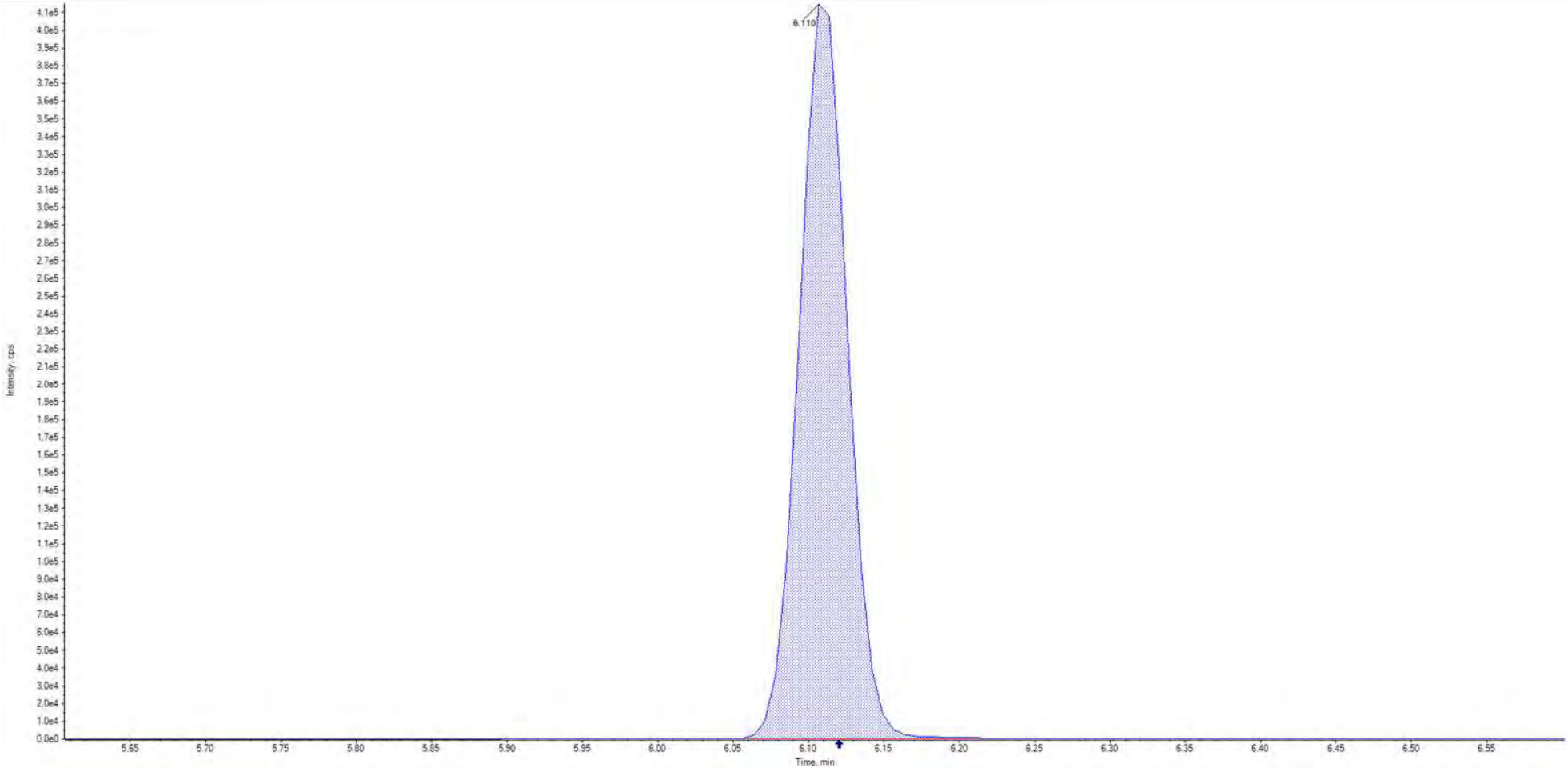
d5-NEtFOSAA
Sample: IA1633STD-12.5



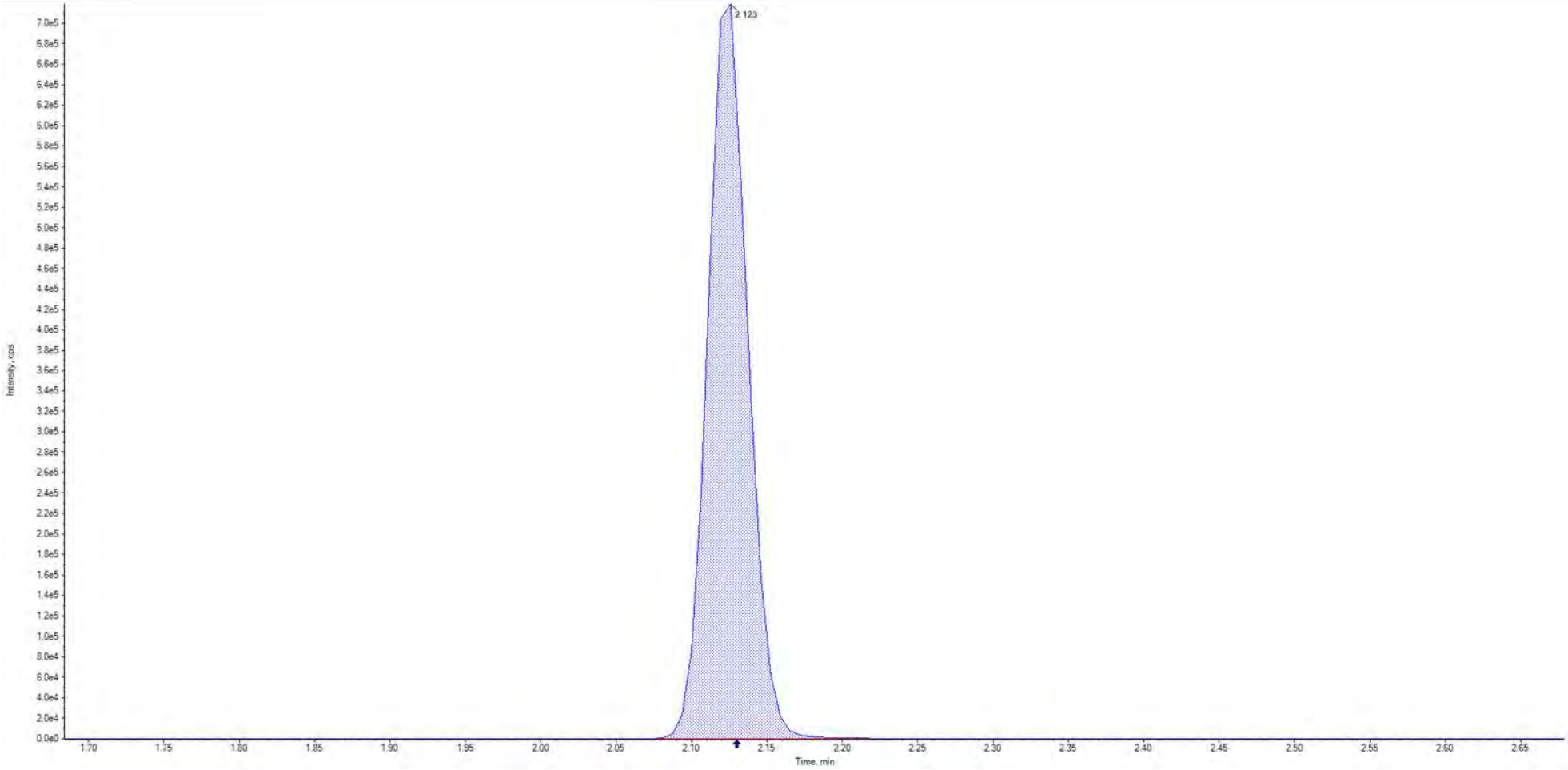
d7-NMeFOSE
Sample: IA1633STD-12.5



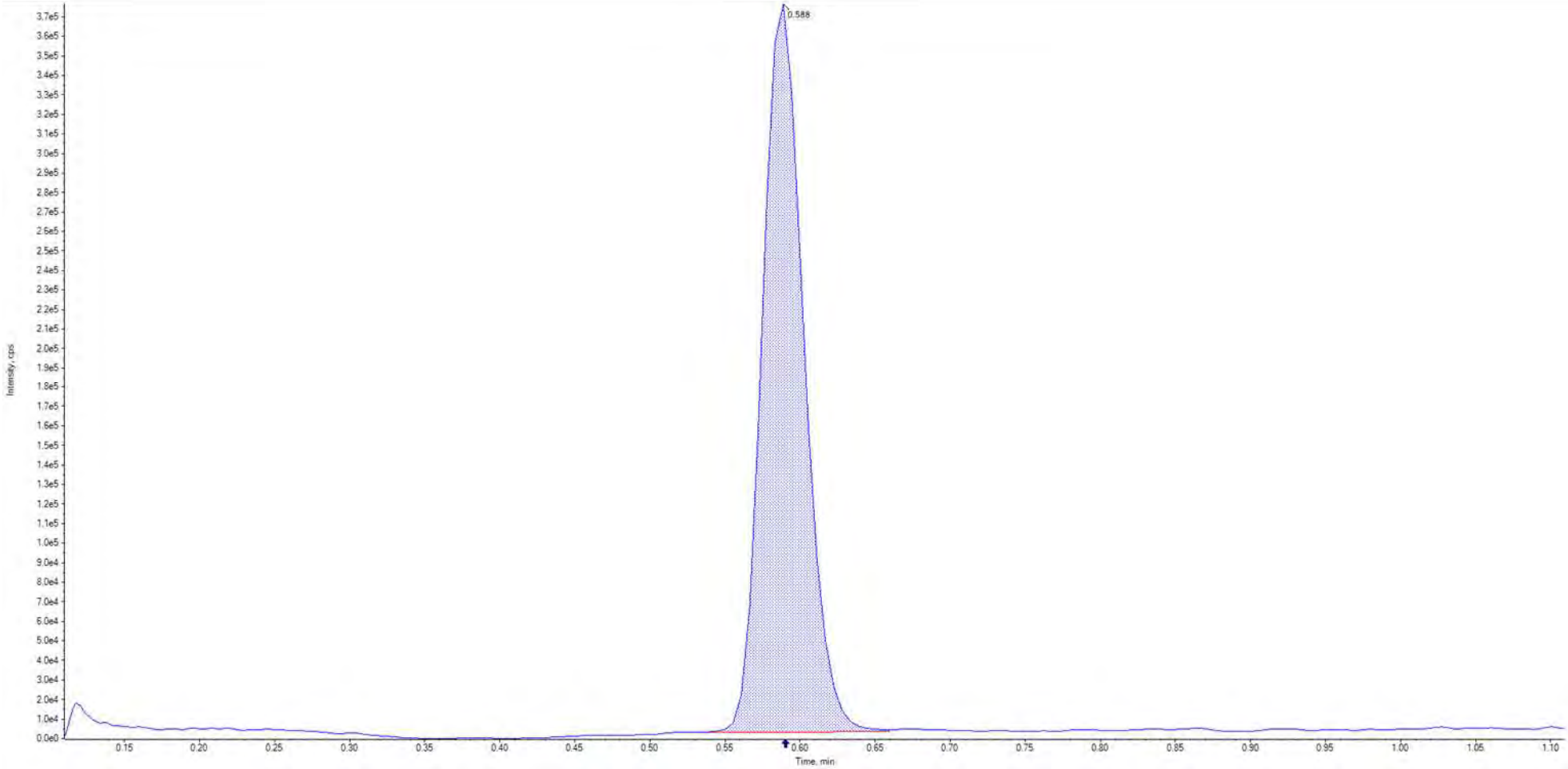
d9-NEtFOSE
Sample: IA1633STD-12.5



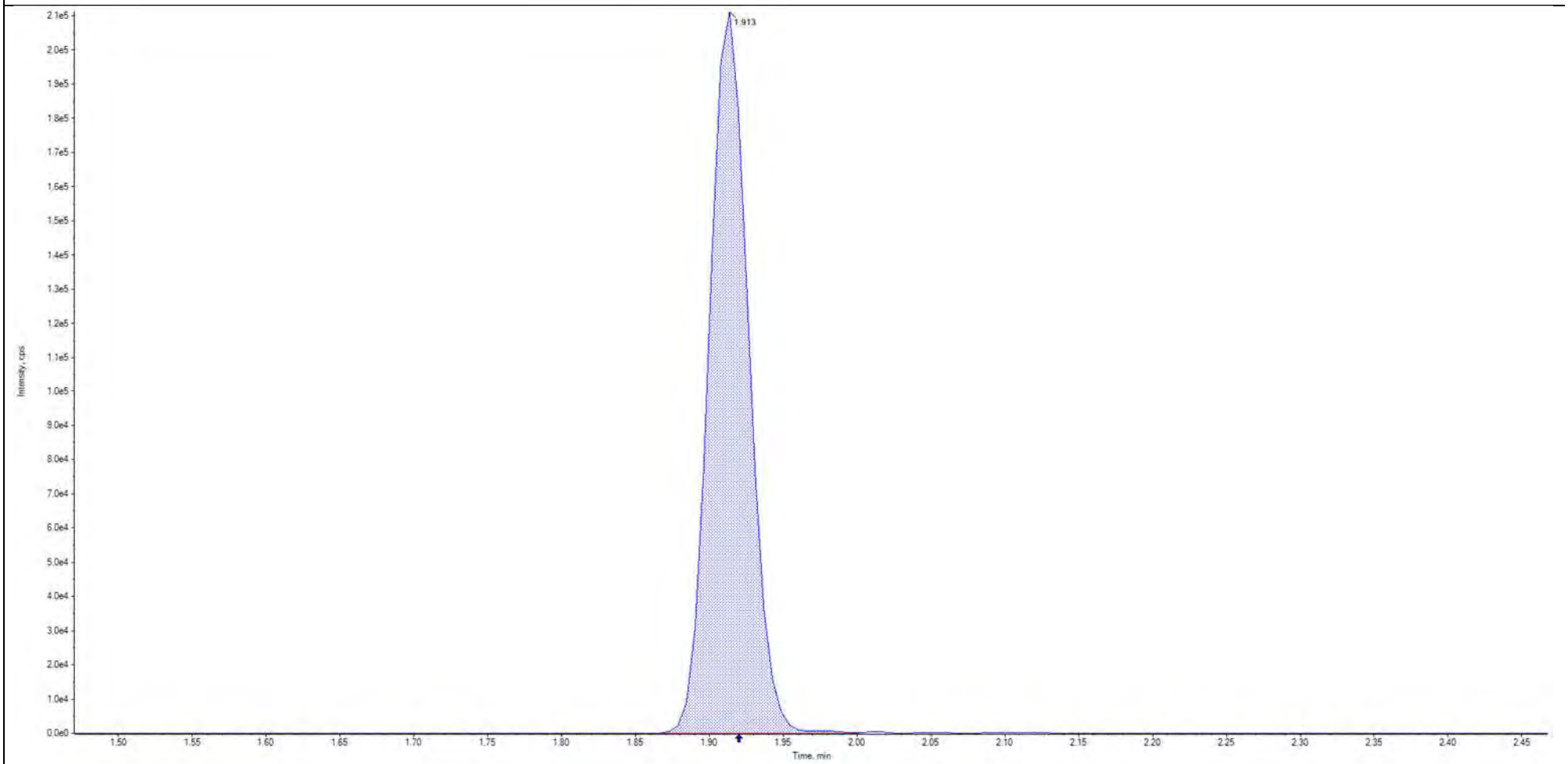
13C3-HFPO-DA
Sample: IA1633STD-12.5



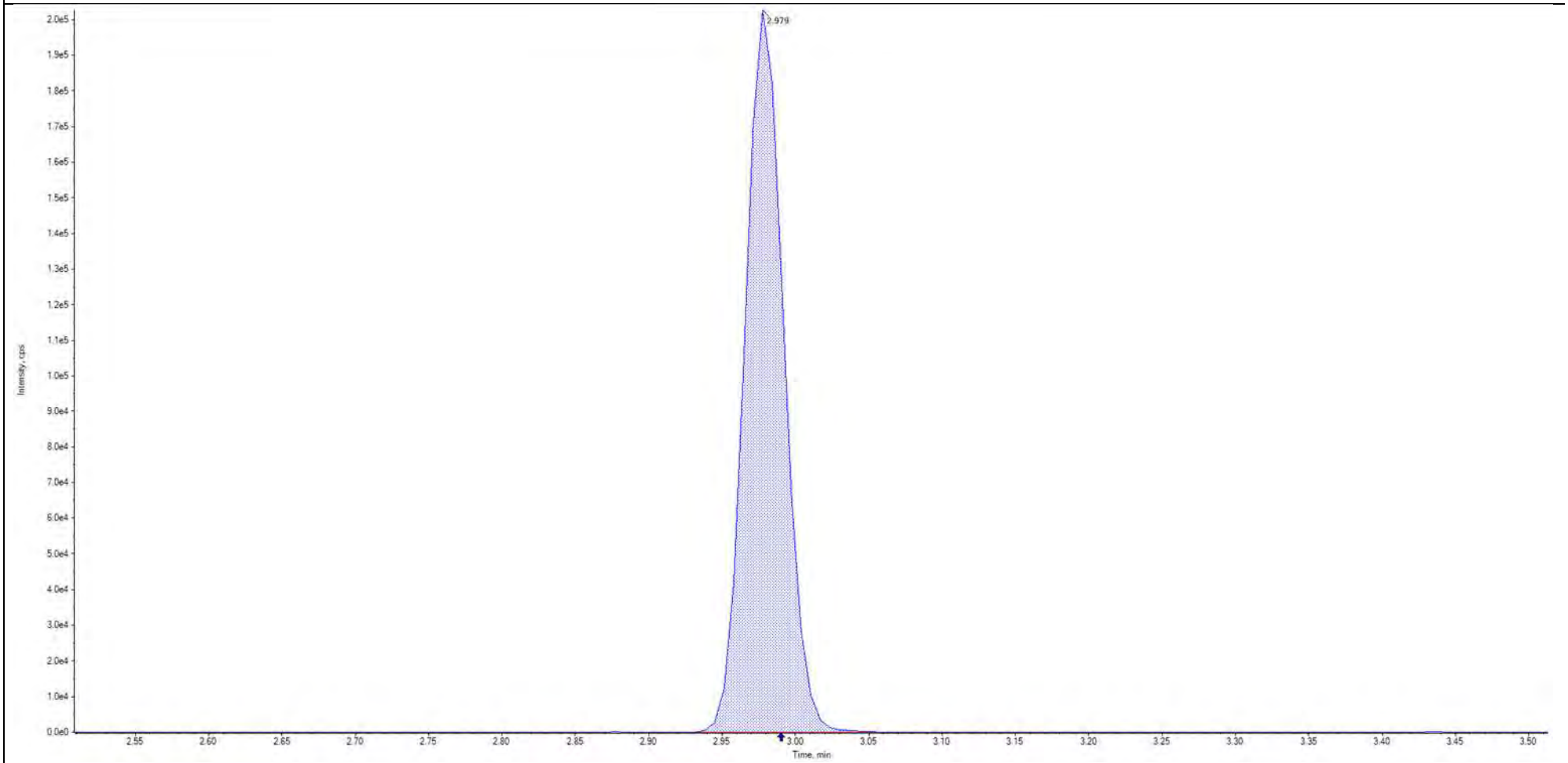
13C3-PFBA
Sample: IA1633STD-12.5



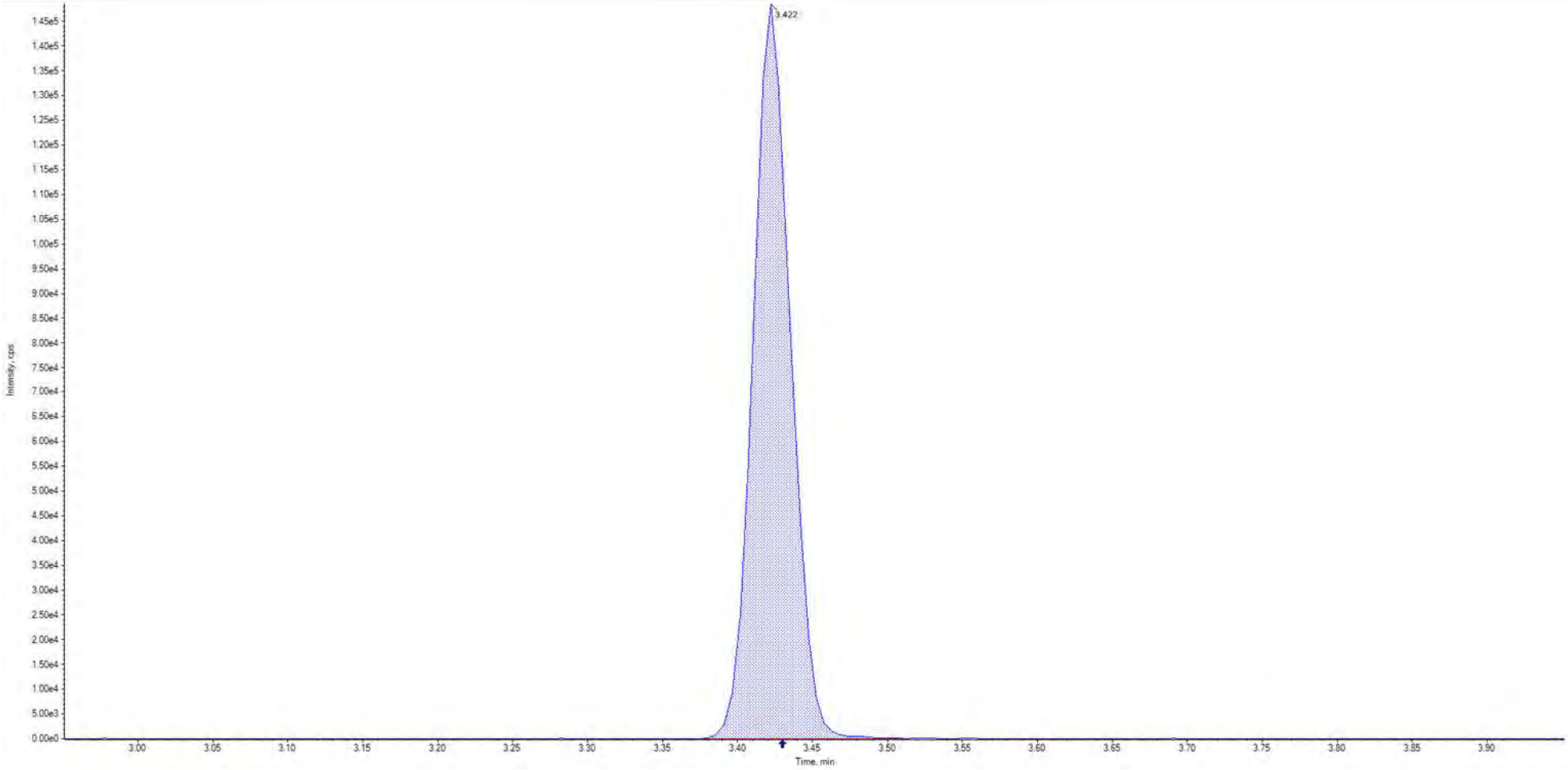
13C2-PFHxA
Sample: IA1633STD-12.5



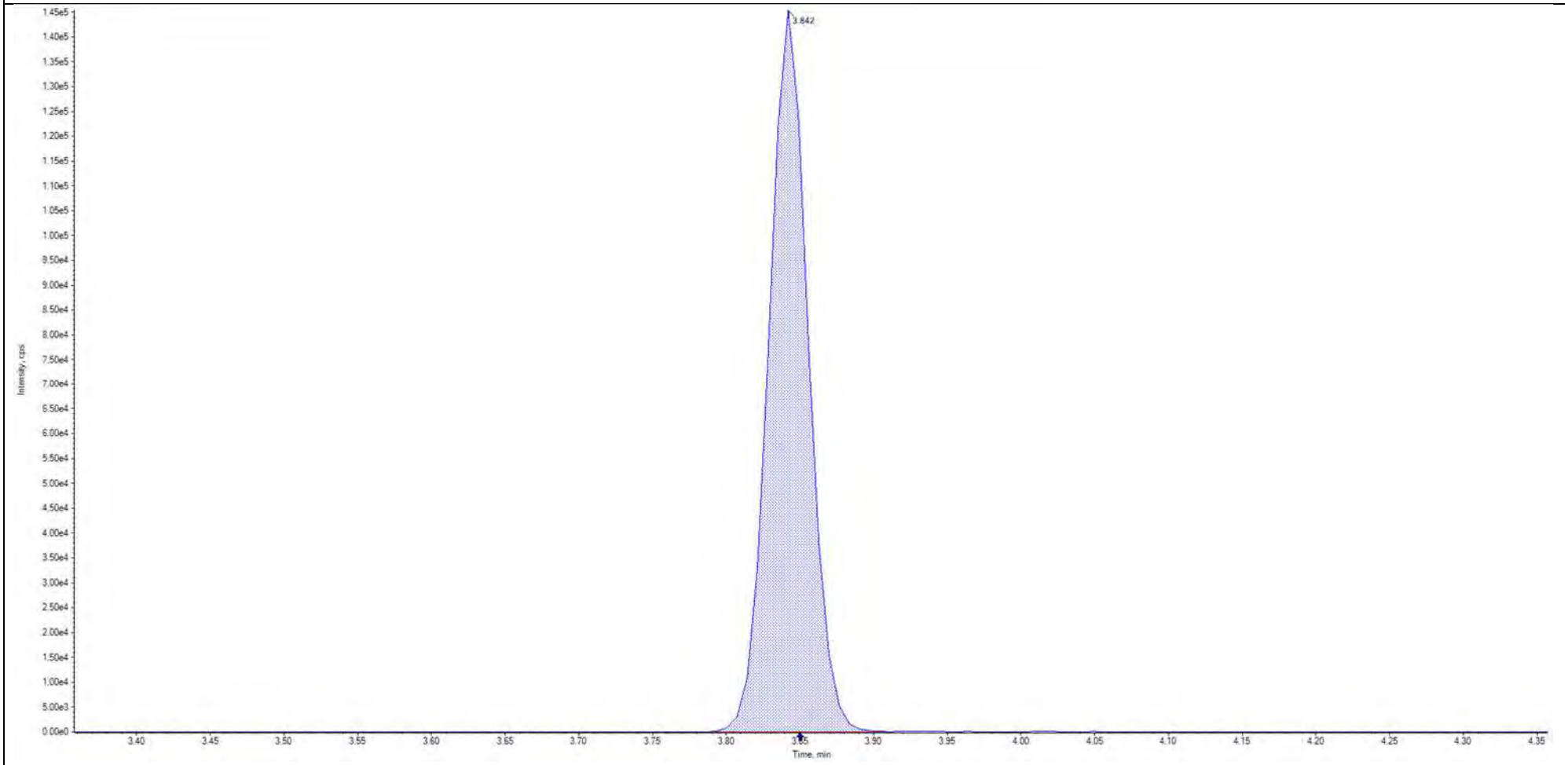
13C4-PFOA
Sample: IA1633STD-12.5



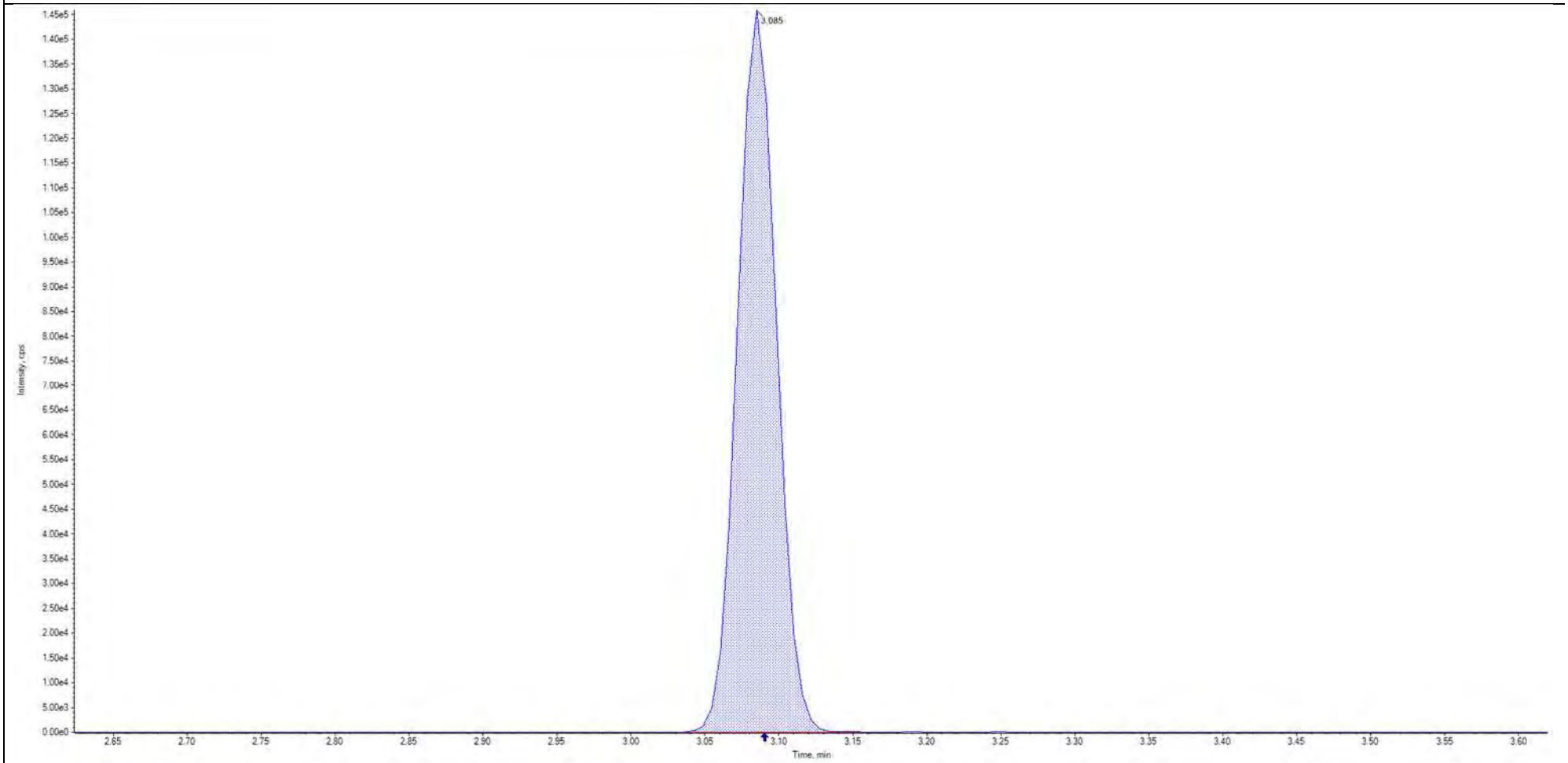
13C5-PFNA
Sample: IA1633STD-12.5



13C2-PFDA
Sample: IA1633STD-12.5



18O2-PFHxS
Sample: IA1633STD-12.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
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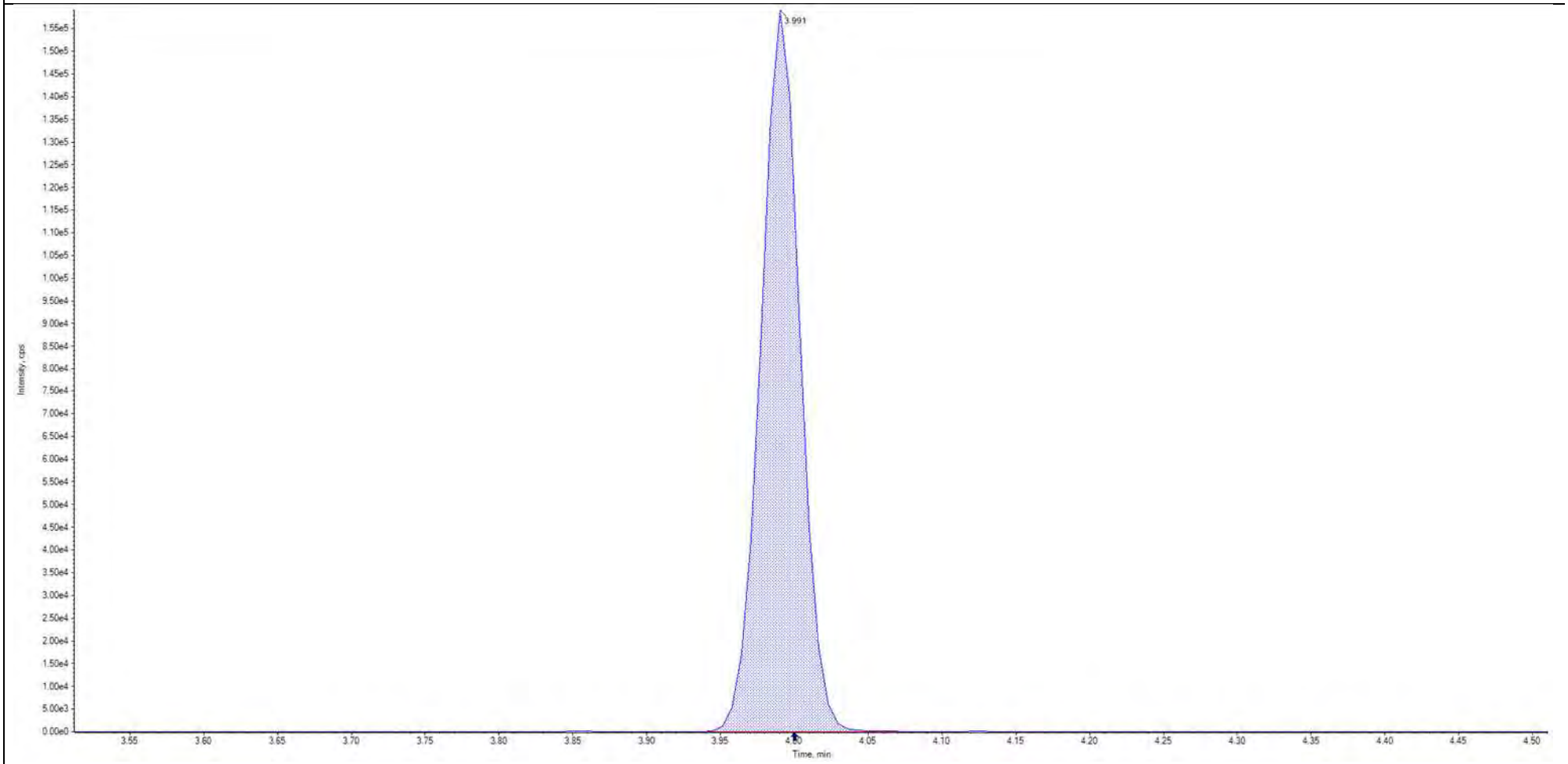
Generated: 3/3/2025 3:16:24 PM

13C4-PFOS
Sample: IA1633STD-12.5



Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_27.wiff2_6
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

Method: EPA1633F_250303.qmethod
Calibration: 250303_1633_ICAL

ID: IA1633STD-25
Name: SCI09_250303_28.wiff2
Date & Time: 2025-03-03T15:35:19
Description: WG2035972,,EPA1633F_250228_CAL_L7
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | PFBA | 375-22-4 | 0.59 | 213.0 / 169.0 | 12882735 | | 99.592 | N/A | N/A | N/A | 99.6 |
| 2 | PFPeA | 2706-90-3 | 1.18 | 263.0 / 219.0 | 6731661 | | 51.136 | 0.007 | N/A | N/A | 102.3 |
| 3 | PFPeA_2 | 2706-90-3 | 1.18 | 263.0 / 68.9 | 47638 | | 51.595 | 0.007 | N/A | N/A | 103.2 |
| 4 | PFHxA | 307-24-4 | 1.92 | 313.0 / 269.0 | 4283855 | | 26.153 | 0.081 | 0.081 | Pass | 104.6 |
| 5 | PFHxA_2 | 307-24-4 | 1.92 | 313.0 / 119.0 | 345107 | | 24.780 | 0.081 | 0.081 | Pass | 99.1 |
| 6 | PFHpA | 375-85-9 | 2.49 | 363.1 / 319.0 | 4615047 | | 25.582 | 0.386 | 0.373 | Pass | 102.3 |
| 7 | PFHpA_2 | 375-85-9 | 2.49 | 363.1 / 169.0 | 1780927 | | 25.004 | 0.386 | 0.373 | Pass | 100.0 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | PFOA | 335-67-1 | 2.98 | 413.1 / 369.1 | 4650748 | M5 | 23.702 | 0.417 | 0.424 | Pass | 94.8 |
| 9 | PFOA_2 | 335-67-1 | 2.98 | 413.1 / 169.0 | 1937983 | M5 | 23.334 | 0.417 | 0.424 | Pass | 93.3 |
| 10 | PFNA | 375-95-1 | 3.43 | 462.8 / 418.9 | 3254324 | M5 | 25.146 | 0.502 | 0.493 | Pass | 100.6 |
| 11 | PFNA_2 | 375-95-1 | 3.43 | 462.8 / 219.0 | 1632476 | M5 | 25.906 | 0.502 | 0.493 | Pass | 103.6 |
| 12 | PFDA | 335-76-2 | 3.85 | 513.1 / 469.1 | 4900144 | | 26.597 | 0.187 | 0.188 | Pass | 106.4 |
| 13 | PFDA_2 | 335-76-2 | 3.85 | 513.1 / 219.0 | 918498 | | 27.077 | 0.187 | 0.188 | Pass | 108.3 |
| 14 | PFUnA | 2058-94-8 | 4.25 | 563.1 / 519.1 | 4930660 | | 25.798 | 0.148 | 0.146 | Pass | 103.2 |
| 15 | PFUnA_2 | 2058-94-8 | 4.25 | 563.1 / 269.0 | 730631 | | 26.598 | 0.148 | 0.146 | Pass | 106.4 |
| 16 | PFDoA | 307-55-1 | 4.64 | 613.1 / 569.1 | 5751338 | | 24.239 | 0.137 | 0.142 | Pass | 97.0 |
| 17 | PFDoA_2 | 307-55-1 | 4.64 | 613.1 / 319.0 | 787803 | | 24.092 | 0.137 | 0.142 | Pass | 96.4 |
| 18 | PFTrDA | 72629-94-8 | 5.02 | 663.1 / 619.1 | 4971702 | | 23.851 | 0.157 | 0.152 | Pass | 95.4 |
| 19 | PFTrDA_2 | 72629-94-8 | 5.02 | 663.1 / 169.0 | 780956 | | 24.395 | 0.157 | 0.152 | Pass | 97.6 |
| 20 | PFTeDA | 376-06-7 | 5.39 | 713.1 / 669.1 | 4474053 | | 24.931 | 0.162 | 0.154 | Pass | 99.7 |
| 21 | PFTeDA_2 | 376-06-7 | 5.39 | 713.1 / 169.0 | 724361 | | 24.722 | 0.162 | 0.154 | Pass | 98.9 |
| 22 | PFBS | 375-73-5 | 1.92 | 299.1 / 80.1 | 3430735 | | 22.354 | 0.360 | 0.374 | Pass | 100.7 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | PFBS_2 | 375-73-5 | 1.92 | 299.1 / 99.1 | 1234796 | | 23.073 | 0.360 | 0.374 | Pass | 98.2 |
| 24 | PFPeS | 2706-91-4 | 2.56 | 349.1 / 80.1 | 3500458 | | 24.807 | 0.317 | 0.314 | Pass | 105.6 |
| 25 | PFPeS_2 | 2706-91-4 | 2.56 | 349.1 / 99.1 | 1109160 | | 25.033 | 0.317 | 0.314 | Pass | 106.5 |
| 26 | PFHxS | 355-46-4 | 3.09 | 399.1 / 80.1 | 2820486 | M5 | 21.887 | 0.313 | 0.306 | Pass | 96.0 |
| 27 | PFHxS_2 | 355-46-4 | 3.09 | 399.1 / 99.1 | 882828 | | 23.659 | 0.313 | 0.306 | Pass | 103.8 |
| 28 | PFHpS | 375-92-8 | 3.56 | 449.1 / 80.1 | 3139370 | | 25.199 | 0.299 | 0.316 | Pass | 105.9 |
| 29 | PFHpS_2 | 375-92-8 | 3.56 | 449.1 / 99.1 | 940011 | | 24.659 | 0.299 | 0.316 | Pass | 103.6 |
| 30 | PFOS | 1763-23-1 | 4.00 | 499.1 / 80.1 | 3530703 | M5 | 23.299 | 0.253 | 0.244 | Pass | 100.4 |
| 31 | PFOS_2 | 1763-23-1 | 4.00 | 499.1 / 99.1 | 894478 | M5 | 23.494 | 0.253 | 0.244 | Pass | 101.3 |
| 32 | PFNS | 68259-12-1 | 4.41 | 549.1 / 80.1 | 2718126 | | 26.345 | 0.279 | 0.294 | Pass | 109.8 |
| 33 | PFNS_2 | 68259-12-1 | 4.41 | 549.1 / 99.1 | 758136 | | 25.706 | 0.279 | 0.294 | Pass | 107.1 |
| 34 | PFDS | 335-77-3 | 4.80 | 599.1 / 80.1 | 2594683 | | 25.598 | 0.286 | 0.290 | Pass | 106.2 |
| 35 | PFDS_2 | 335-77-3 | 4.80 | 599.1 / 99.1 | 743327 | | 25.969 | 0.286 | 0.290 | Pass | 107.8 |
| 36 | PFDoS | 79780-39-5 | 5.55 | 699.2 / 80.1 | 2467934 | | 26.723 | 0.250 | 0.256 | Pass | 110.4 |
| 37 | PFDoS_2 | 79780-39-5 | 5.55 | 699.2 / 99.1 | 616630 | | 25.905 | 0.250 | 0.256 | Pass | 107.0 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 38 | 4:2FTS | 757124-72-4 | 1.71 | 327.1 / 307.1 | 3184094 | | 92.227 | 0.663 | 0.650 | Pass | 98.4 |
| 39 | 4:2FTS_2 | 757124-72-4 | 1.71 | 327.1 / 81.1 | 2112038 | | 94.783 | 0.663 | 0.650 | Pass | 101.2 |
| 40 | 6:2FTS | 27619-97-2 | 2.80 | 427.2 / 407.2 | 2925605 | | 99.064 | 0.644 | 0.620 | Pass | 104.2 |
| 41 | 6:2FTS_2 | 27619-97-2 | 2.80 | 427.2 / 81.1 | 1883076 | | 99.482 | 0.644 | 0.620 | Pass | 104.6 |
| 42 | 8:2FTS | 39108-34-4 | 3.66 | 527.2 / 507.2 | 2370696 | | 91.288 | 0.655 | 0.676 | Pass | 95.1 |
| 43 | 8:2FTS_2 | 39108-34-4 | 3.66 | 527.2 / 81.1 | 1553114 | | 86.877 | 0.655 | 0.676 | Pass | 90.5 |
| 44 | PFOSA | 754-91-6 | 5.23 | 498.1 / 78.1 | 4520171 | M5 | 25.508 | 0.024 | 0.026 | Pass | 102.0 |
| 45 | PFOSA_2 | 754-91-6 | 5.23 | 498.1 / 478.0 | 107583 | M5 | 23.501 | 0.024 | 0.026 | Pass | 94.0 |
| 46 | NMeFOSA | 31506-32-8 | 5.97 | 512.2 / 219.0 | 1158854 | M5 | 26.842 | 1.381 | 1.377 | Pass | 107.4 |
| 47 | NMeFOSA_2 | 31506-32-8 | 5.93 | 512.2 / 169.0 | 1600670 | M5 | 26.682 | 1.381 | 1.377 | Pass | 106.7 |
| 48 | NEtFOSA | 4151-50-2 | 6.27 | 526.2 / 219.0 | 1109116 | | 25.375 | 1.277 | 1.292 | Pass | 101.5 |
| 49 | NEtFOSA_2 | 4151-50-2 | 6.23 | 526.2 / 169.0 | 1416485 | | 25.973 | 1.277 | 1.292 | Pass | 103.9 |
| 50 | NMeFOSAA | 2355-31-9 | 3.98 | 570.2 / 419.1 | 622923 | | 25.201 | 0.690 | 0.697 | Pass | 100.8 |
| 51 | NMeFOSAA_2 | 2355-31-9 | 3.98 | 570.2 / 483.0 | 429736 | | 24.199 | 0.690 | 0.697 | Pass | 96.8 |
| 52 | NEtFOSAA | 2991-50-6 | 4.19 | 584.2 / 419.1 | 637334 | | 27.008 | 0.536 | 0.557 | 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 | 4.19 | 584.2 / 526.2 | 341636 | M5 | 26.265 | 0.536 | 0.557 | Pass | 105.1 |
| 54 | NMeFOSE | 24448-09-7 | 5.84 | 616.1 / 58.9 | 16569436 | M5 | 257.678 | N/A | N/A | N/A | 103.1 |
| 55 | NEtFOSE | 1691-99-2 | 6.14 | 630.0 / 58.9 | 22852970 | M5 | 257.471 | N/A | N/A | N/A | 103.0 |
| 56 | HFPO-DA | 13252-13-6 | 2.13 | 285.0 / 169.0 | 13910898 | | 99.610 | 0.553 | 0.501 | Pass | 99.6 |
| 57 | HFPO-DA_2 | 13252-13-6 | 2.13 | 285.0 / 184.9 | 7688877 | | 104.424 | 0.553 | 0.501 | Pass | 104.4 |
| 58 | ADONA | 919005-14-4 | 2.68 | 376.9 / 251.0 | 25930873 | | 97.522 | 0.600 | 0.691 | Pass | 103.2 |
| 59 | ADONA_2 | 919005-14-4 | 2.68 | 376.9 / 84.8 | 15548513 | | 88.263 | 0.600 | 0.691 | Pass | 93.4 |
| 60 | 9Cl-PF3ONS | 756426-58-1 | 4.28 | 530.8 / 351.1 | 23659955 | | 91.623 | 0.333 | 0.332 | Pass | 98.2 |
| 61 | 9Cl-PF3ONS_2 | 756426-58-1 | 4.28 | 532.8 / 353.0 | 7886520 | | 91.881 | 0.333 | 0.332 | Pass | 98.5 |
| 62 | 11Cl-PF3OUdS | 763051-92-9 | 5.07 | 630.9 / 451.0 | 20368386 | | 93.275 | 0.322 | 0.322 | Pass | 98.9 |
| 63 | 11Cl-PF3OUdS_2 | 763051-92-9 | 5.07 | 632.9 / 452.9 | 6564879 | | 93.659 | 0.322 | 0.322 | Pass | 99.3 |
| 64 | 3:3FTCA | 356-02-5 | 1.57 | 241.1 / 177.1 | 1415043 | | 139.211 | 1.049 | 1.010 | Pass | 111.4 |
| 65 | 3:3FTCA_2 | 356-02-5 | 1.57 | 241.1 / 117.0 | 1485047 | | 134.548 | 1.049 | 1.010 | Pass | 107.6 |
| 66 | 5:3FTCA | 914637-49-3 | 3.03 | 341.1 / 237.1 | 25694766 | | 627.339 | 1.006 | 1.017 | Pass | 100.4 |
| 67 | 5:3FTCA_2 | 914637-49-3 | 3.03 | 341.1 / 217.0 | 25859917 | | 626.623 | 1.006 | 1.017 | Pass | 100.3 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 7:3FTCA | 812-70-4 | 4.06 | 441.1 / 316.9 | 24676376 | | 702.540 | 1.219 | 1.343 | Pass | 112.4 |
| 69 | 7:3FTCA_2 | 812-70-4 | 4.06 | 441.1 / 337.1 | 30072402 | | 647.680 | 1.219 | 1.343 | Pass | 103.6 |
| 70 | PFEESA | 113507-82-7 | 2.22 | 315.1 / 135.0 | 19431116 | | 45.649 | 0.086 | 0.081 | Pass | 102.4 |
| 71 | PFEESA_2 | 113507-82-7 | 2.22 | 315.1 / 82.9 | 1679296 | | 47.966 | 0.086 | 0.081 | Pass | 107.6 |
| 72 | PFMPA | 377-73-1 | 0.75 | 229.0 / 85.0 | 7200947 | | 53.220 | N/A | N/A | N/A | 106.4 |
| 73 | PFMBA | 863090-89-5 | 1.44 | 279.0 / 85.0 | 7792939 | | 51.721 | N/A | N/A | N/A | 103.4 |
| 74 | NFDHA | 151772-58-6 | 1.84 | 295.0 / 201.0 | 5669052 | | 50.880 | 0.725 | 0.681 | Pass | 101.8 |
| 75 | NFDHA_2 | 151772-58-6 | 1.84 | 295.0 / 84.9 | 4108479 | | 52.100 | 0.725 | 0.681 | Pass | 104.2 |
| 76 | TDCA | 516-50-7 | N/A | 499.1 / 124.1 | N/A | | N/A | N/A | 5.680 | N/A | N/A |
| 77 | TDCA_2 | 516-50-7 | N/A | 499.1 / 79.9 | N/A | | N/A | N/A | 5.680 | N/A | N/A |
| 78 | 13C2D4-4:2FTS | Surr | 1.70 | 333.2 / 312.1 | 124643 | | 4.923 | N/A | N/A | N/A | 98.5 |
| 79 | 13C2-PFOA | Surr | 2.98 | 415.0 / 370.0 | 288456 | | 2.425 | N/A | N/A | N/A | 97.0 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C4-PFBA | EIS | 0.59 | 217.0 / 172.0 | 1447437 | | 9.993 | 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 | 1.18 | 268.0 / 223.0 | 685863 | | 4.978 | NA | NA | NA | 99.6 |
| | 13C5-PFHxA | EIS | 1.91 | 318.0 / 273.0 | 319770 | | 2.469 | NA | NA | NA | 98.7 |
| | 13C4-PFHpA | EIS | 2.49 | 367.0 / 322.0 | 310681 | | 2.486 | NA | NA | NA | 99.5 |
| | 13C8-PFOA | EIS | 2.98 | 420.8 / 376.0 | 573938 | | 2.684 | NA | NA | NA | 107.4 |
| | 13C9-PFNA | EIS | 3.42 | 472.0 / 427.0 | 239909 | | 1.289 | NA | NA | NA | 103.2 |
| | 13C6-PFDA | EIS | 3.84 | 519.0 / 474.0 | 260492 | | 1.198 | NA | NA | NA | 95.9 |
| | 13C7-PFUnA | EIS | 4.25 | 570.0 / 525.0 | 282174 | | 1.176 | NA | NA | NA | 94.1 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C2-PFDoA | EIS | 4.64 | 615.1 / 570.0 | 313864 | | 1.301 | NA | NA | NA | 104.0 |
| | 13C2-PFTeDA | EIS | 5.38 | 715.1 / 670.1 | 197382 | | 1.261 | NA | NA | NA | 100.9 |
| | 13C3-PFBS | EIS | 1.91 | 302.1 / 80.1 | 336610 | | 2.344 | NA | NA | NA | 100.6 |
| | 13C3-PFHxS | EIS | 3.09 | 402.1 / 80.1 | 294893 | | 2.310 | NA | NA | NA | 97.5 |
| | 13C8-PFOS | EIS | 3.99 | 507.1 / 80.1 | 317869 | | 2.327 | NA | NA | NA | 97.0 |
| | 13C2-4:2FTS | EIS | 1.71 | 329.1 / 81.1 | 105202 | | 4.967 | NA | NA | NA | 105.9 |
| | 13C2-6:2FTS | EIS | 2.80 | 429.2 / 81.1 | 87393 | | 4.793 | NA | NA | NA | 100.7 |
| | 13C2-8:2FTS | EIS | 3.66 | 529.2 / 81.1 | 93679 | | 5.075 | NA | NA | NA | 105.7 |

| Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| 13C8-PFOSA | EIS | 5.23 | 506.1 / 78.1 | 553248 | | 2.551 | NA | NA | NA | 102.1 |
| d3-NMeFOSA | EIS | 5.96 | 515.2 / 219.0 | 96291 | | 2.459 | NA | NA | NA | 98.4 |
| d5-NEtFOSA | EIS | 6.25 | 531.2 / 219.0 | 89693 | | 2.519 | NA | NA | NA | 100.8 |
| d3-NMeFOSAA | EIS | 3.97 | 573.2 / 419.1 | 135961 | | 5.075 | NA | NA | NA | 101.5 |
| d5-NEtFOSAA | EIS | 4.18 | 589.3 / 419.1 | 108839 | | 5.084 | NA | NA | NA | 101.7 |
| d7-NMeFOSE | EIS | 5.82 | 623.2 / 58.9 | 709614 | | 25.195 | NA | NA | NA | 100.8 |
| d9-NEtFOSE | EIS | 6.11 | 639.2 / 58.9 | 939611 | | 24.869 | NA | NA | NA | 99.5 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C3-HFPO-DA | EIS | 2.12 | 287.0 / 169.0 | 1378029 | | 10.058 | NA | NA | NA | 100.6 |
| | 13C3-PFBA | NIS | 0.59 | 216.0 / 172.0 | 640882 | | 4.422 | NA | NA | NA | 88.4 |
| | 13C2-PFHxA | NIS | 1.91 | 315.0 / 270.0 | 381434 | | 2.354 | NA | NA | NA | 94.1 |
| | 13C4-PFOA | NIS | 2.98 | 417.0 / 372.0 | 324971 | | 2.260 | NA | NA | NA | 90.4 |
| | 13C5-PFNA | NIS | 3.42 | 468.0 / 423.0 | 233033 | | 1.131 | NA | NA | NA | 90.5 |
| | 13C2-PFDA | NIS | 3.84 | 515.1 / 470.1 | 253712 | | 1.193 | NA | NA | NA | 95.5 |
| | 18O2-PFHxS | NIS | 3.08 | 403.1 / 84.1 | 268416 | | 2.280 | NA | NA | NA | 96.2 |
| | 13C4-PFOS | NIS | 3.99 | 503.1 / 80.1 | 274782 | | 2.286 | NA | NA | NA | 95.2 |

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 3/3/2025 3:16:24 PM

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

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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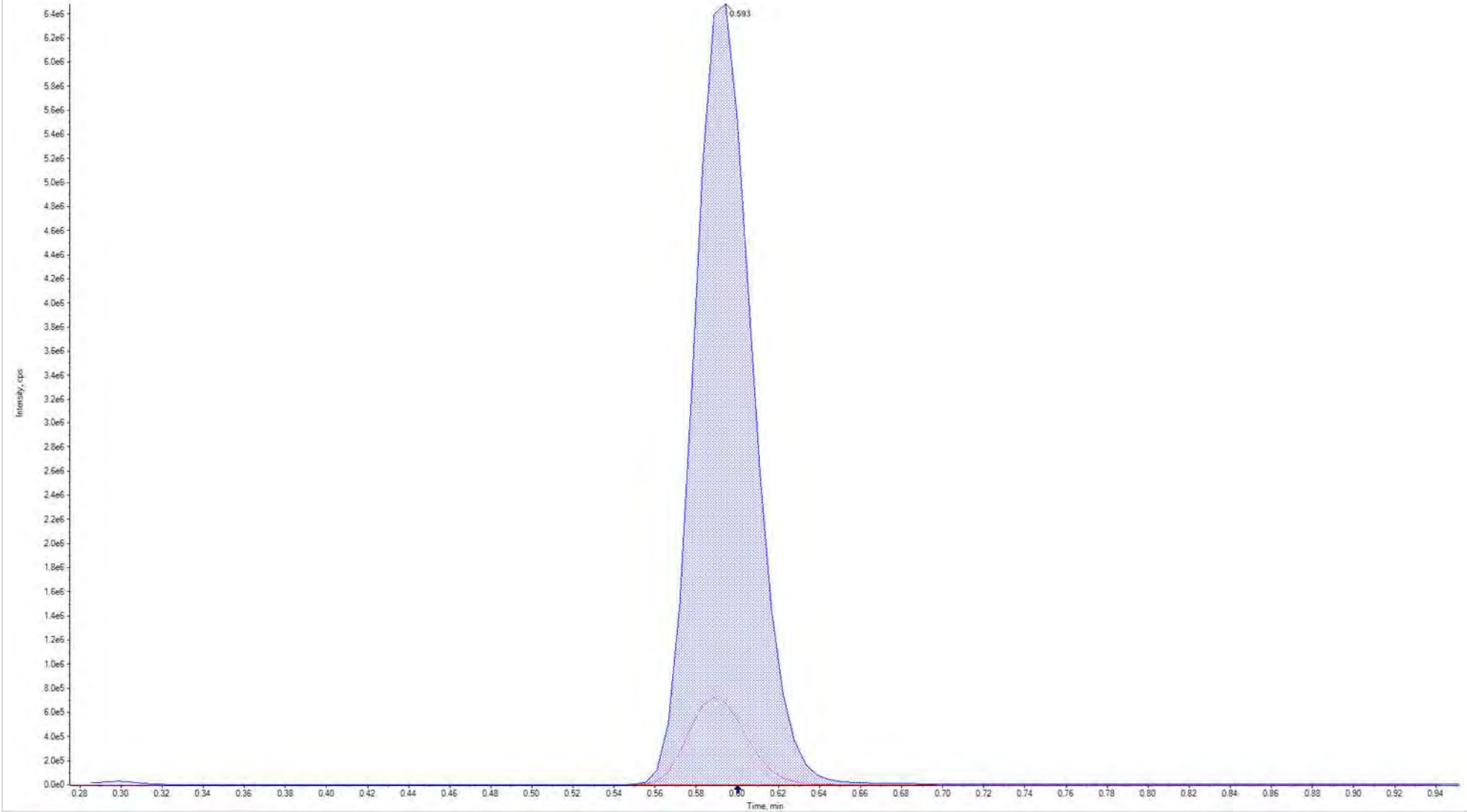
PFBA
Sample: IA1633STD-25 S/N:5846.5 Points Across peak:31



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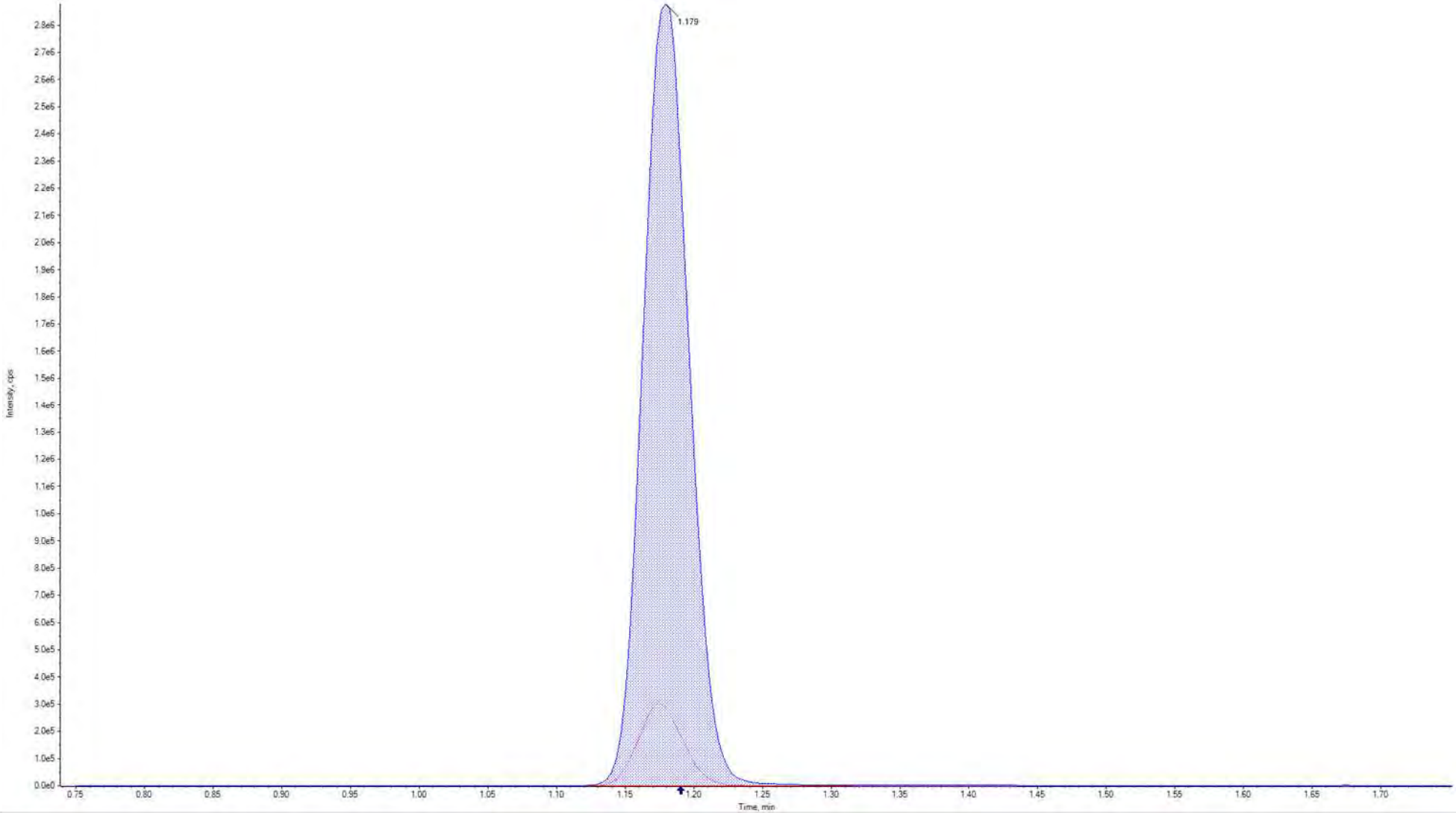
PFPeA
Sample: IA1633STD-25 S/N:11860.1 Points Across peak:65



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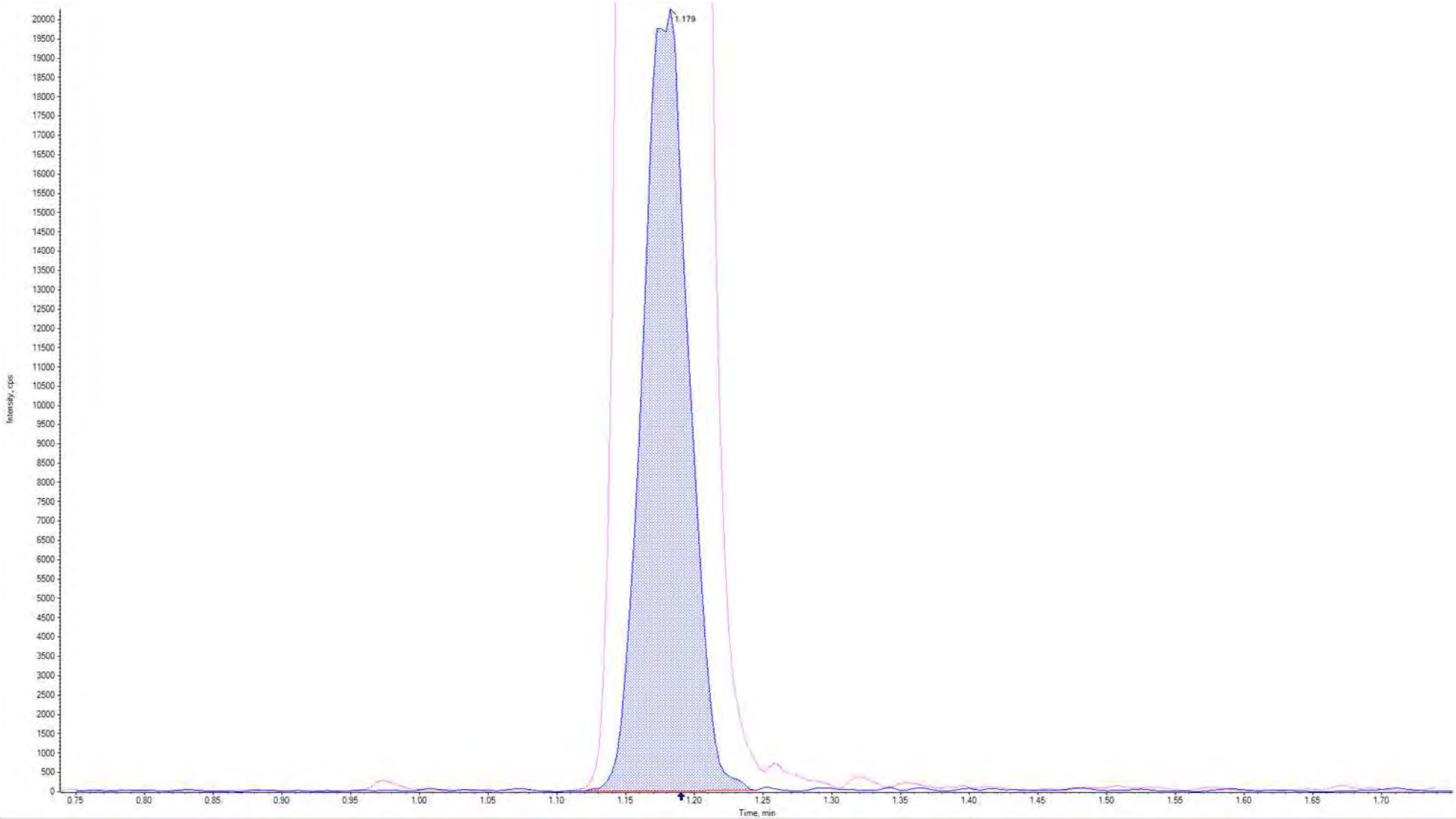
PFPeA_2
Sample: IA1633STD-25 S/N:1217.9 Points Across peak:42



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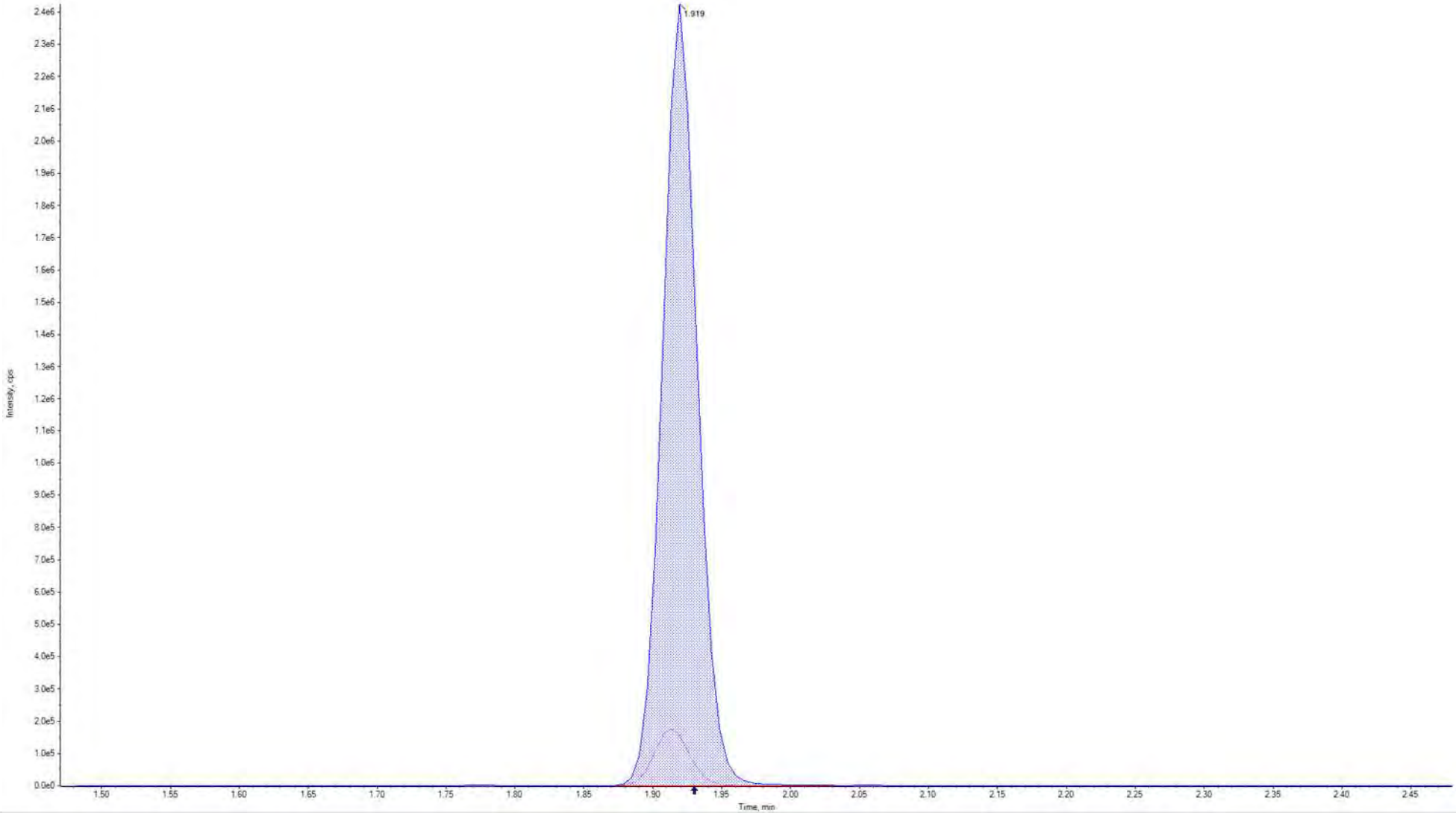
PFHxA
Sample: IA1633STD-25 S/N:7696.6 Points Across peak:34



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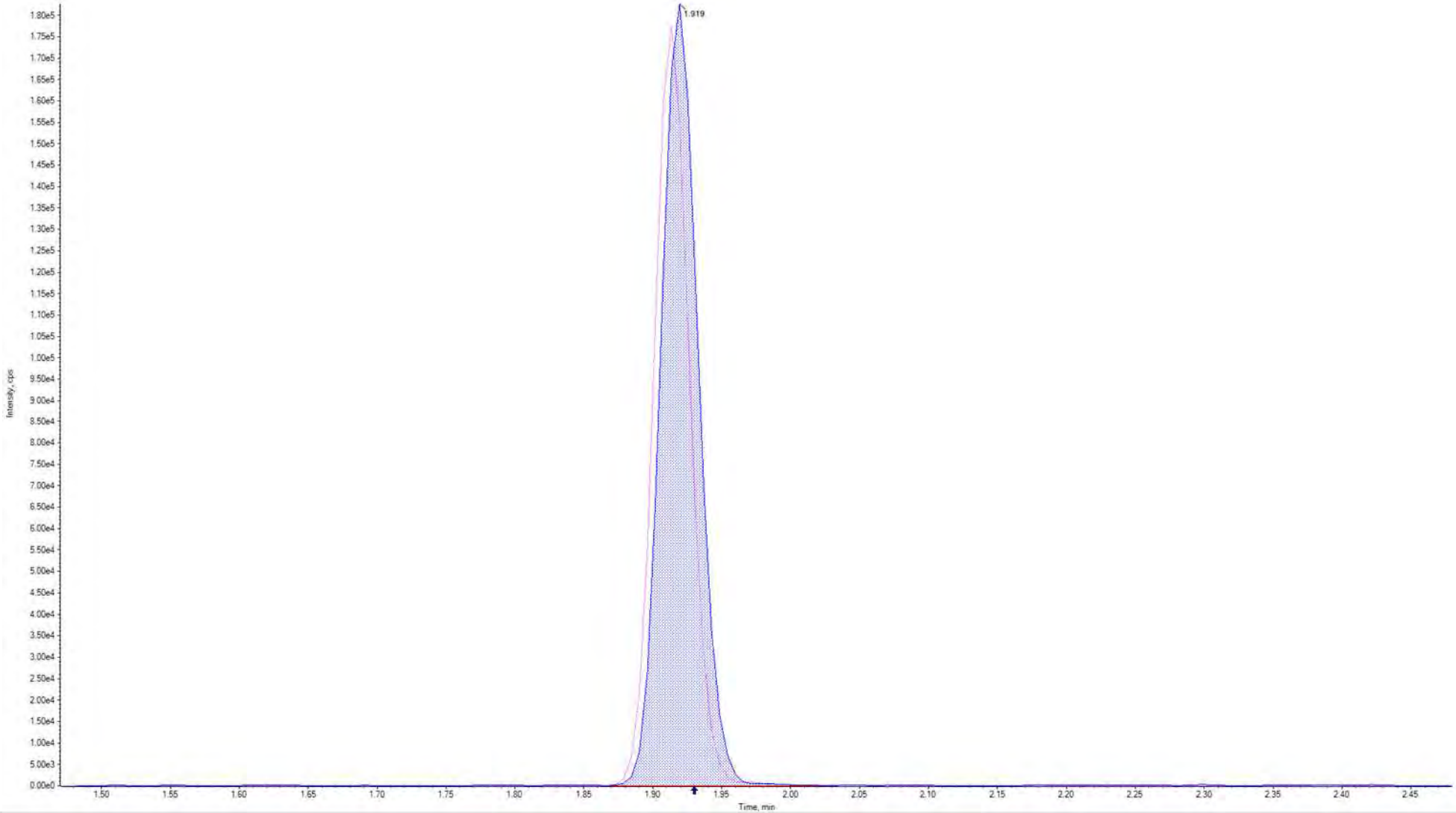
PFHxA_2
Sample: IA1633STD-25 S/N:4577.4 Points Across peak:29



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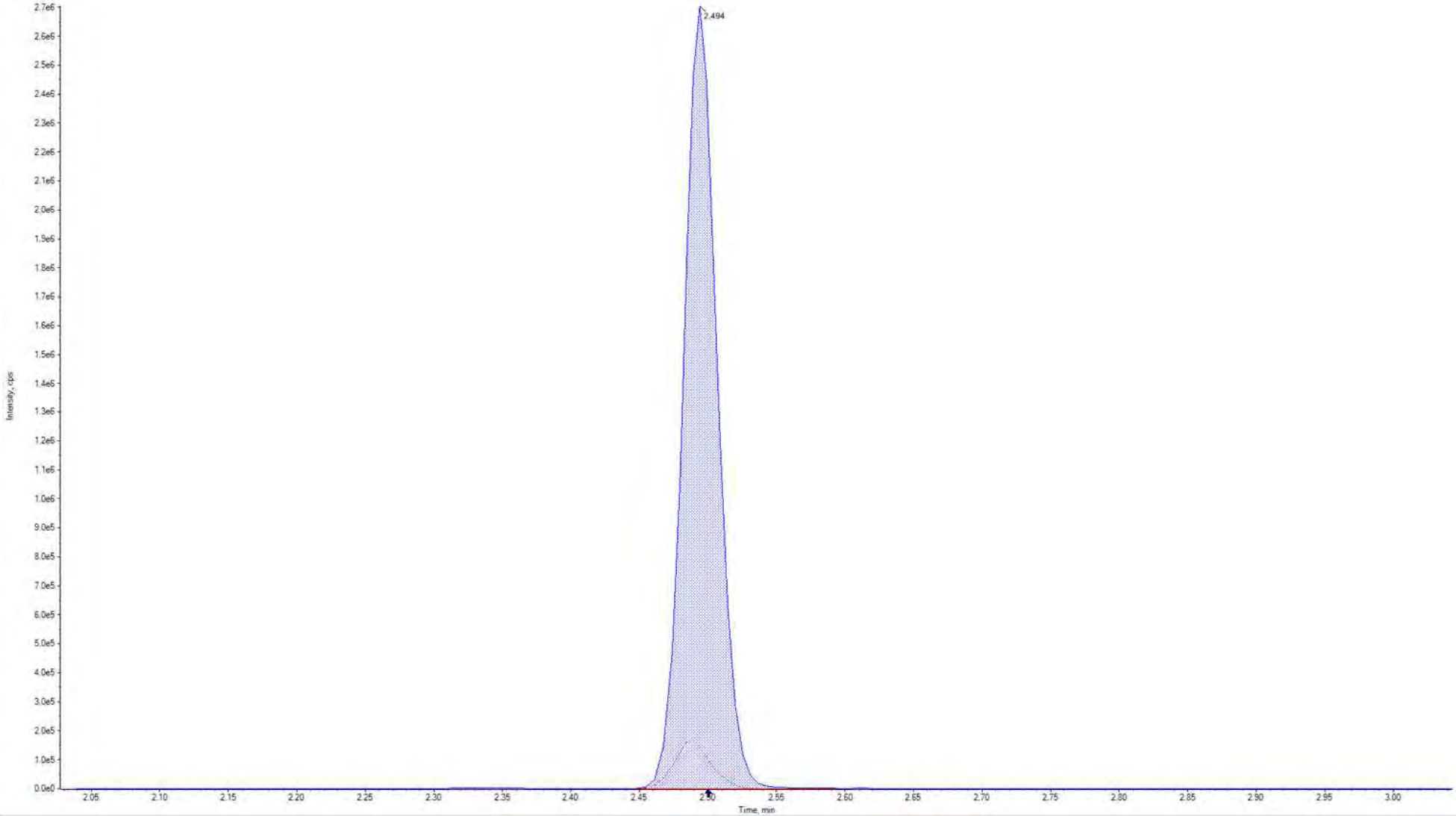
PFHpA
Sample: IA1633STD-25 S/N:24340.5 Points Across peak:31



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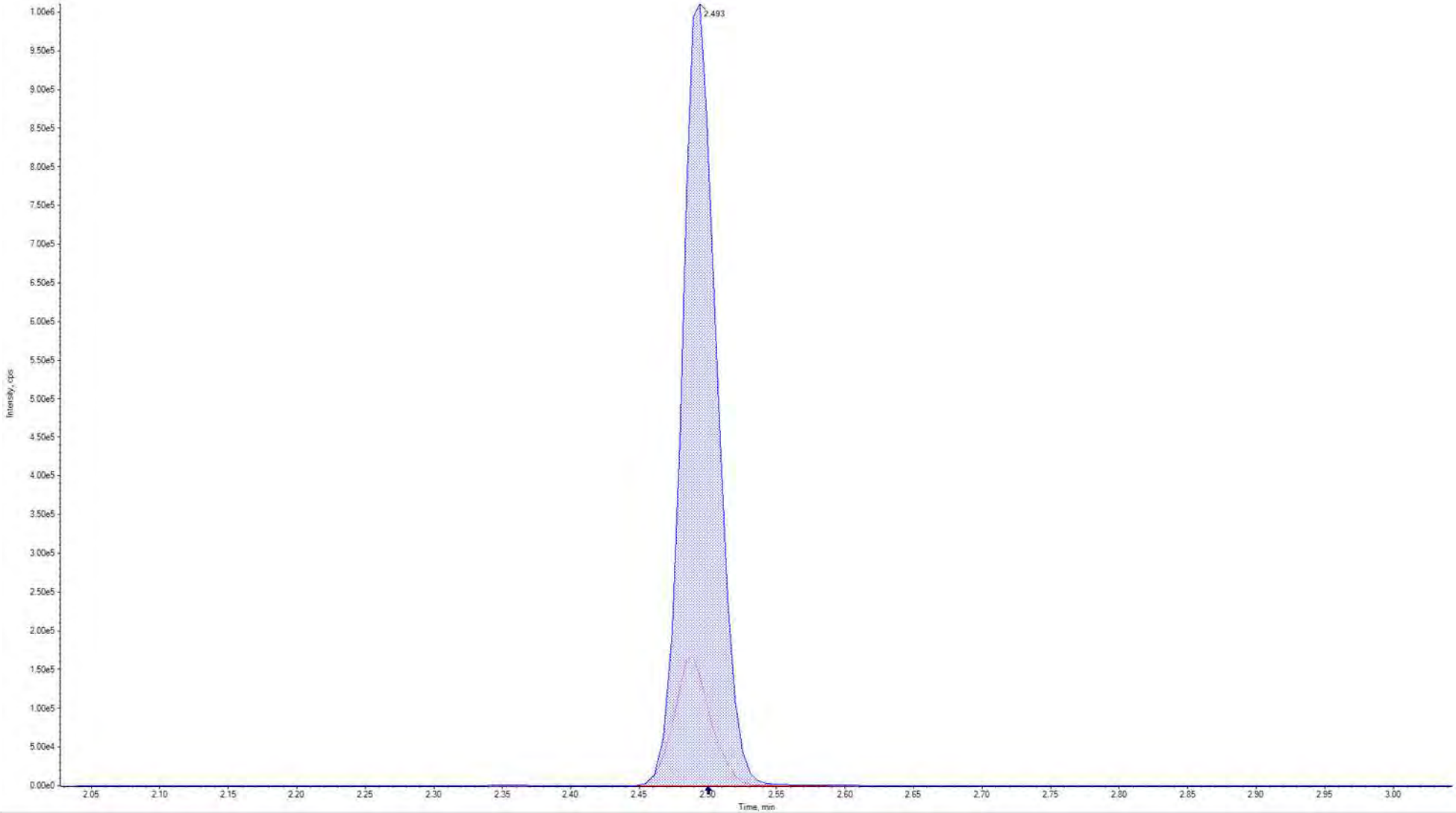
PFHpA_2
Sample: IA1633STD-25 S/N:20261.0 Points Across peak:28



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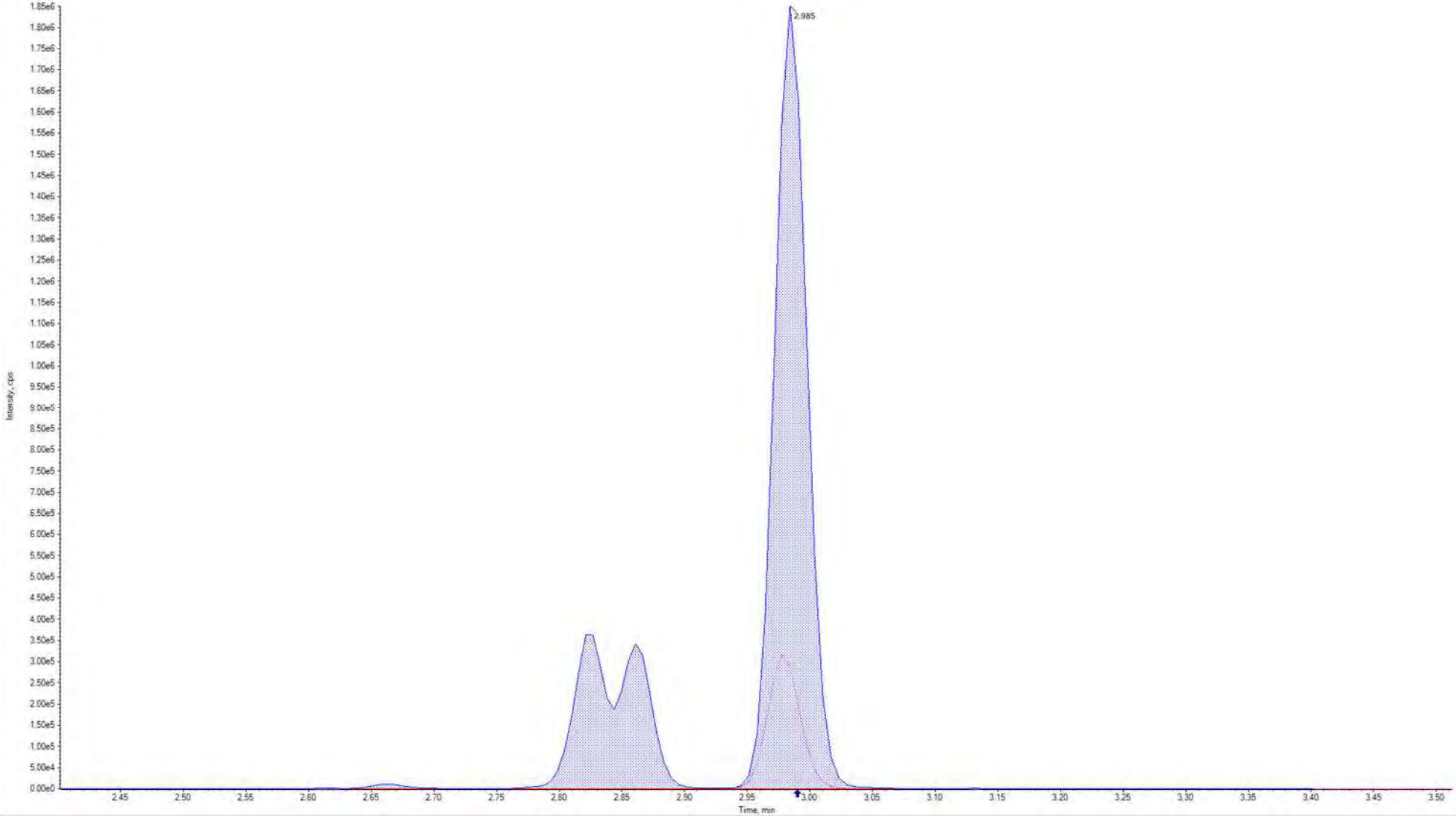
PFOA
Sample: IA1633STD-25 S/N:838.7 Points Across peak:74



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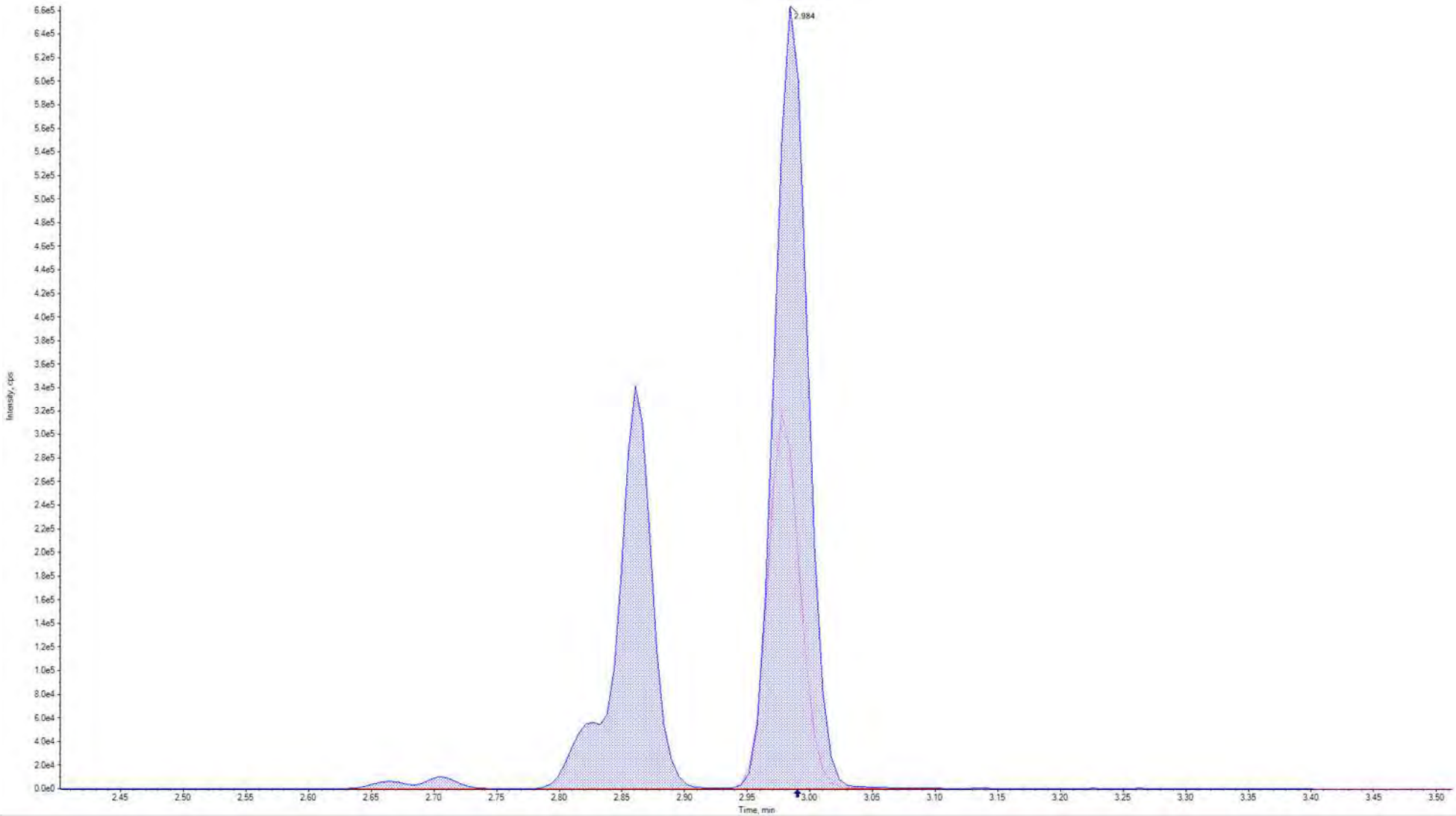
PFOA_2
Sample: IA1633STD-25 S/N:538.0 Points Across peak:82



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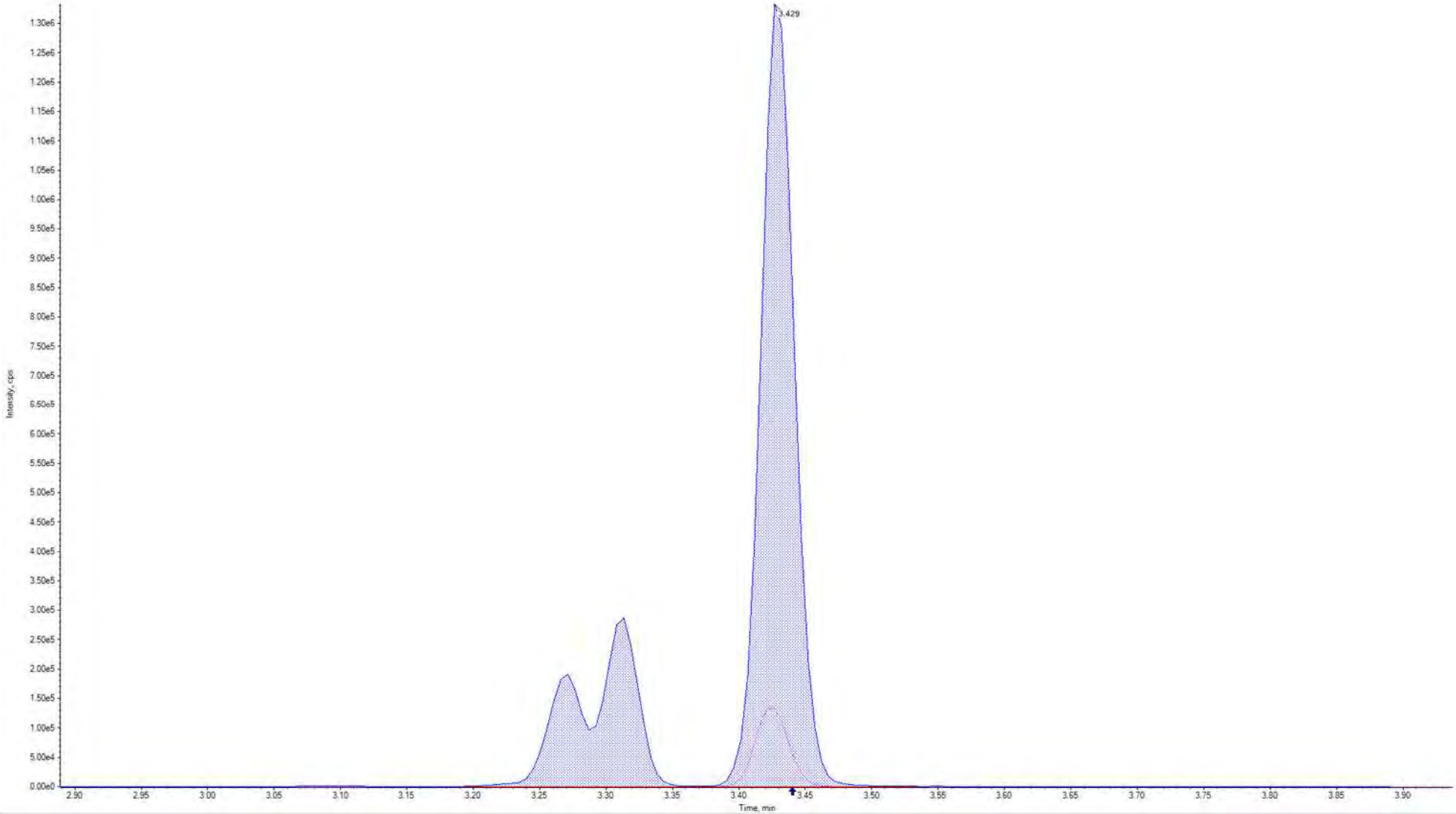
PFNA
Sample: IA1633STD-25 S/N:802.2 Points Across peak:68



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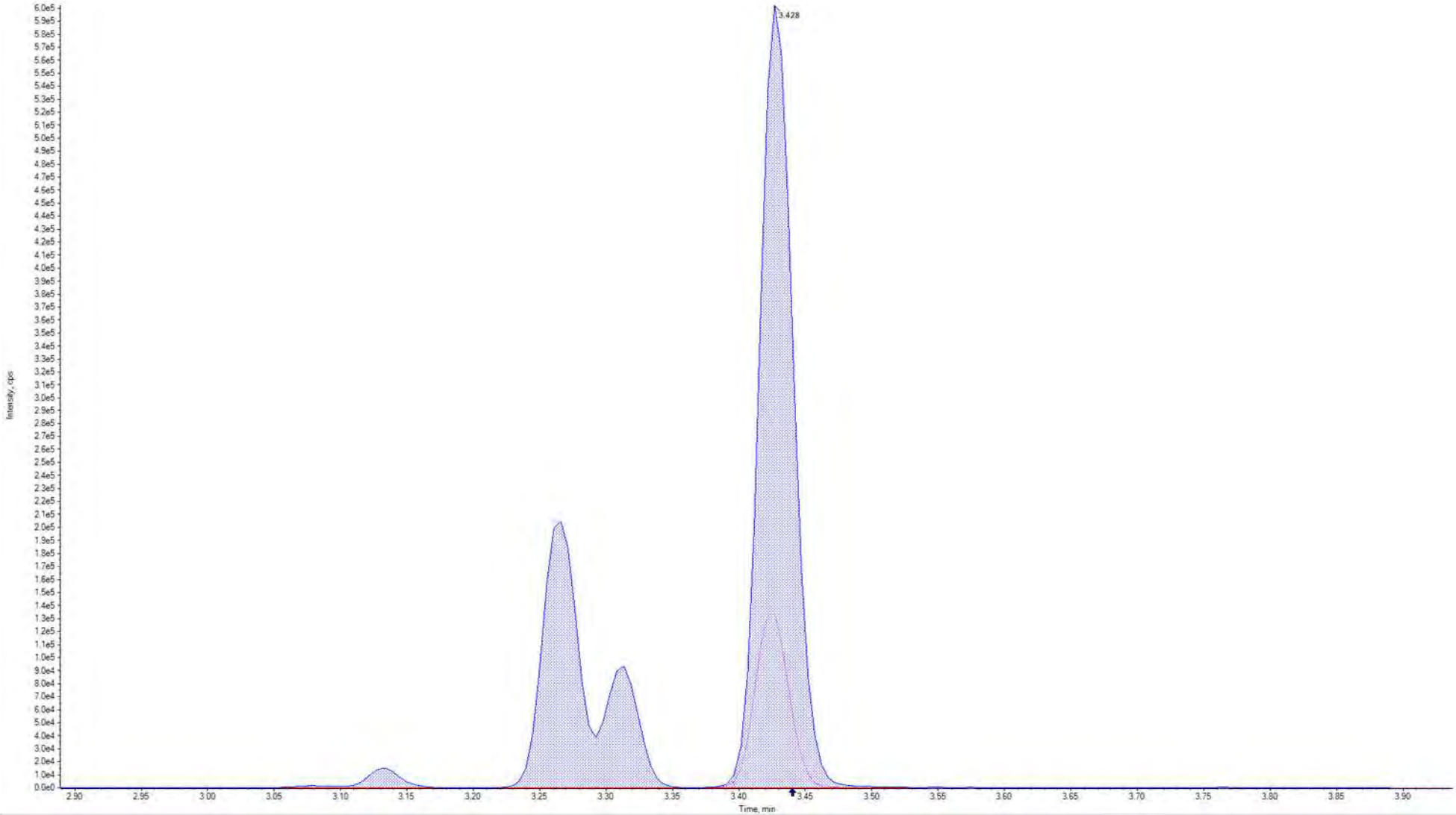
PFNA_2
Sample: IA1633STD-25 S/N:481.1 Points Across peak:91



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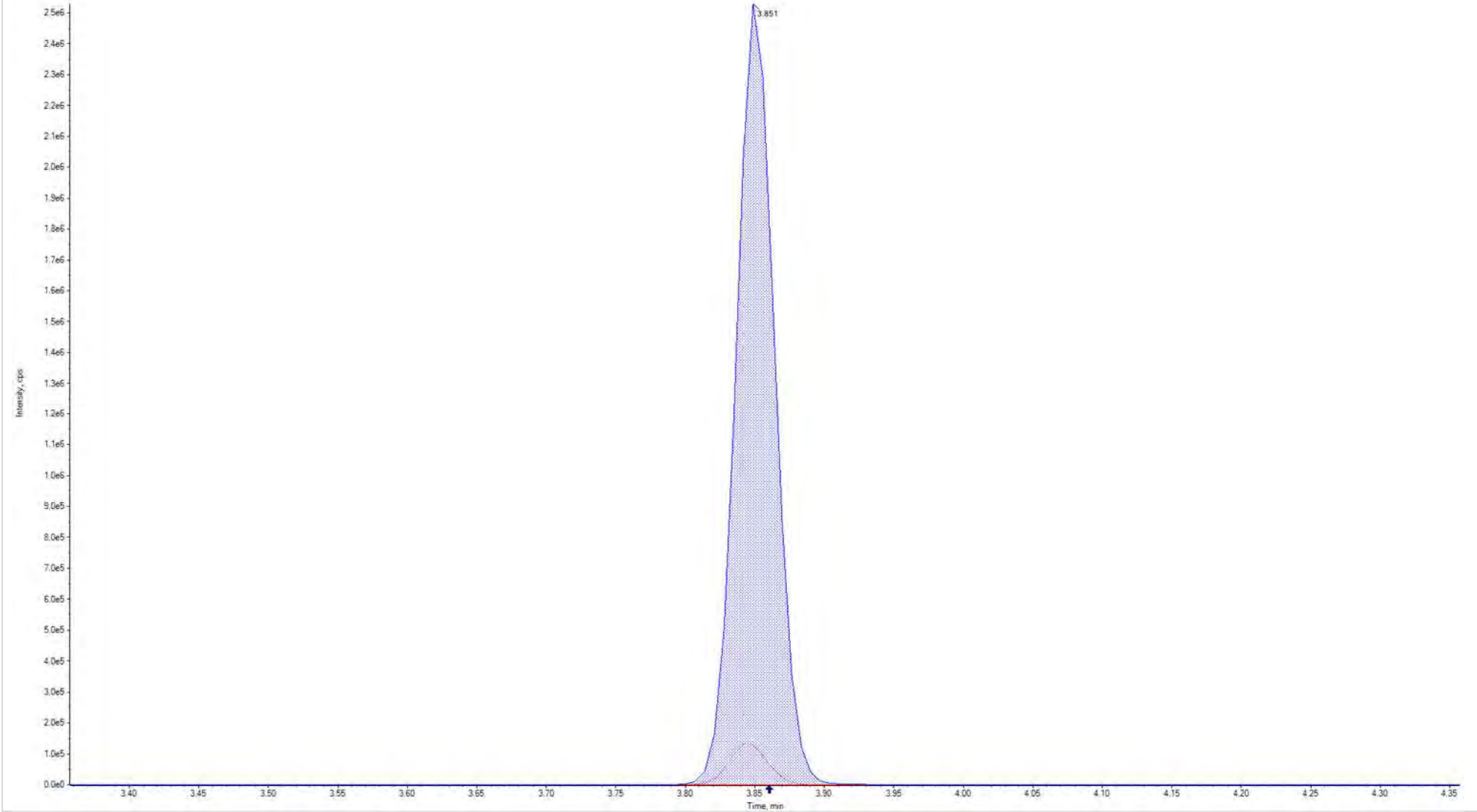
PFDA
Sample: IA1633STD-25 S/N:50711.8 Points Across peak:34



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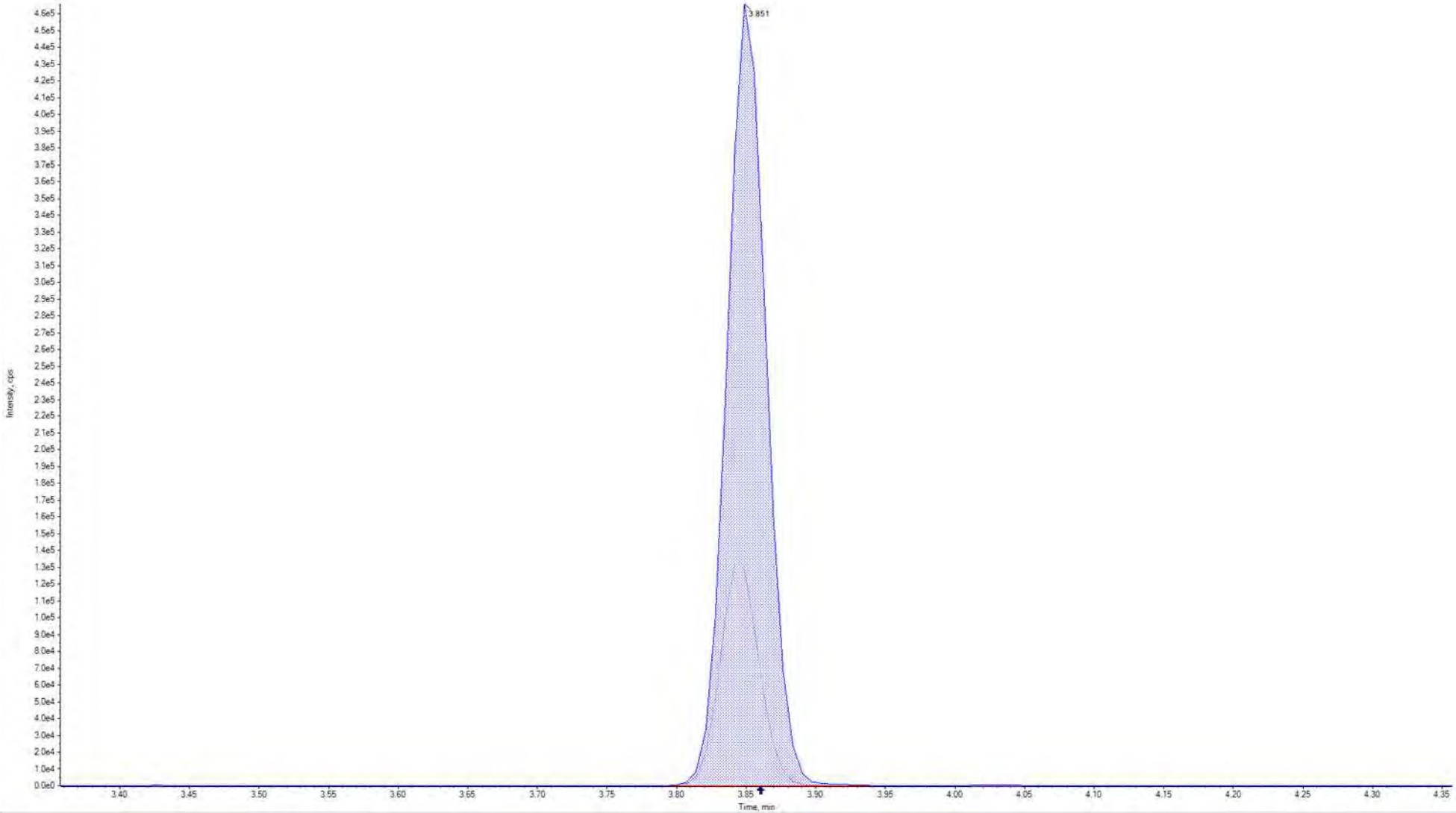
PFDA_2
Sample: IA1633STD-25 S/N:5983.6 Points Across peak:29



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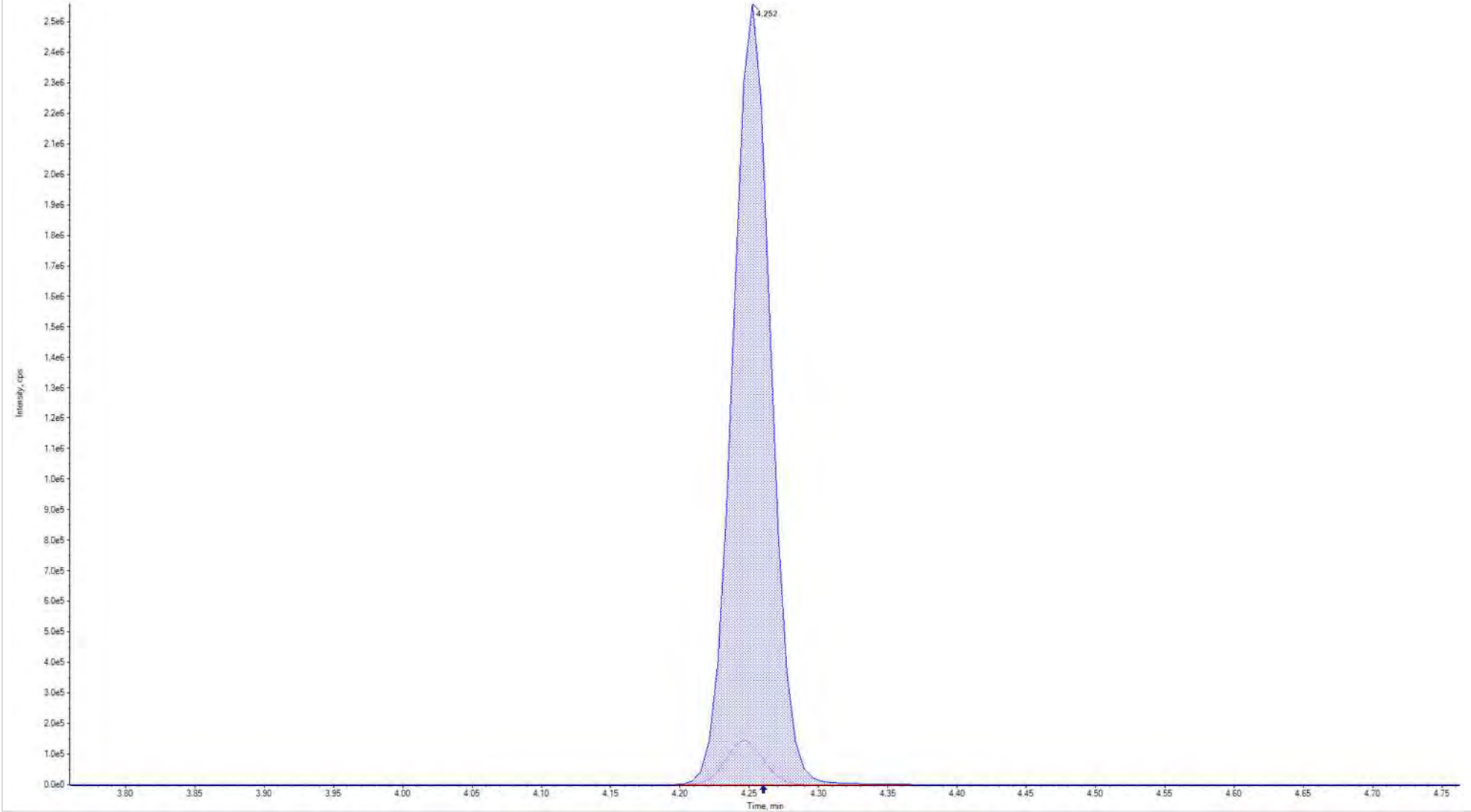
PFUnA
Sample: IA1633STD-25 S/N:57705.4 Points Across peak:38



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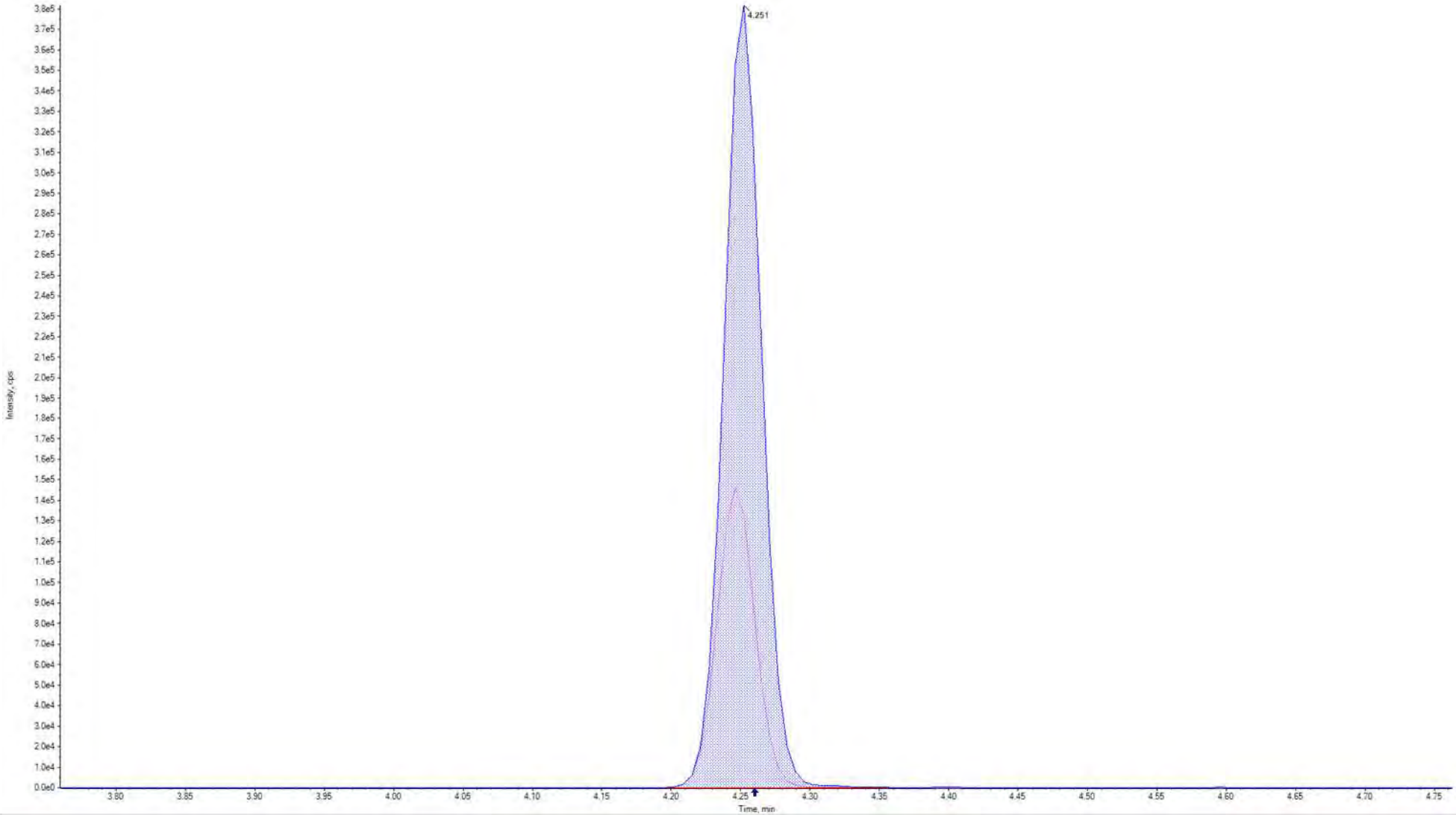
PFUnA_2
Sample: IA1633STD-25 S/N:5035.1 Points Across peak:33



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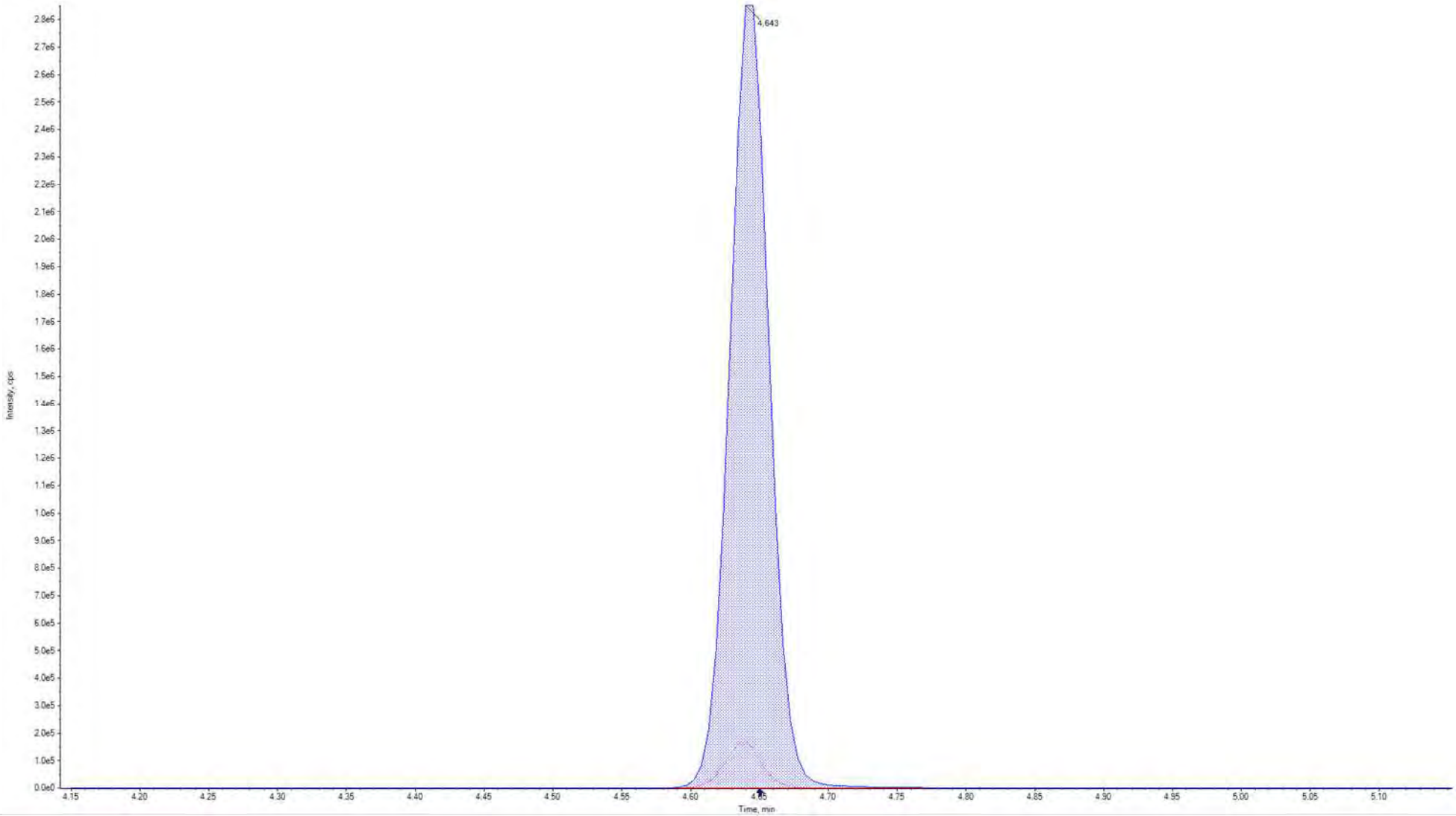
PFDoA
Sample: IA1633STD-25 S/N:25359.5 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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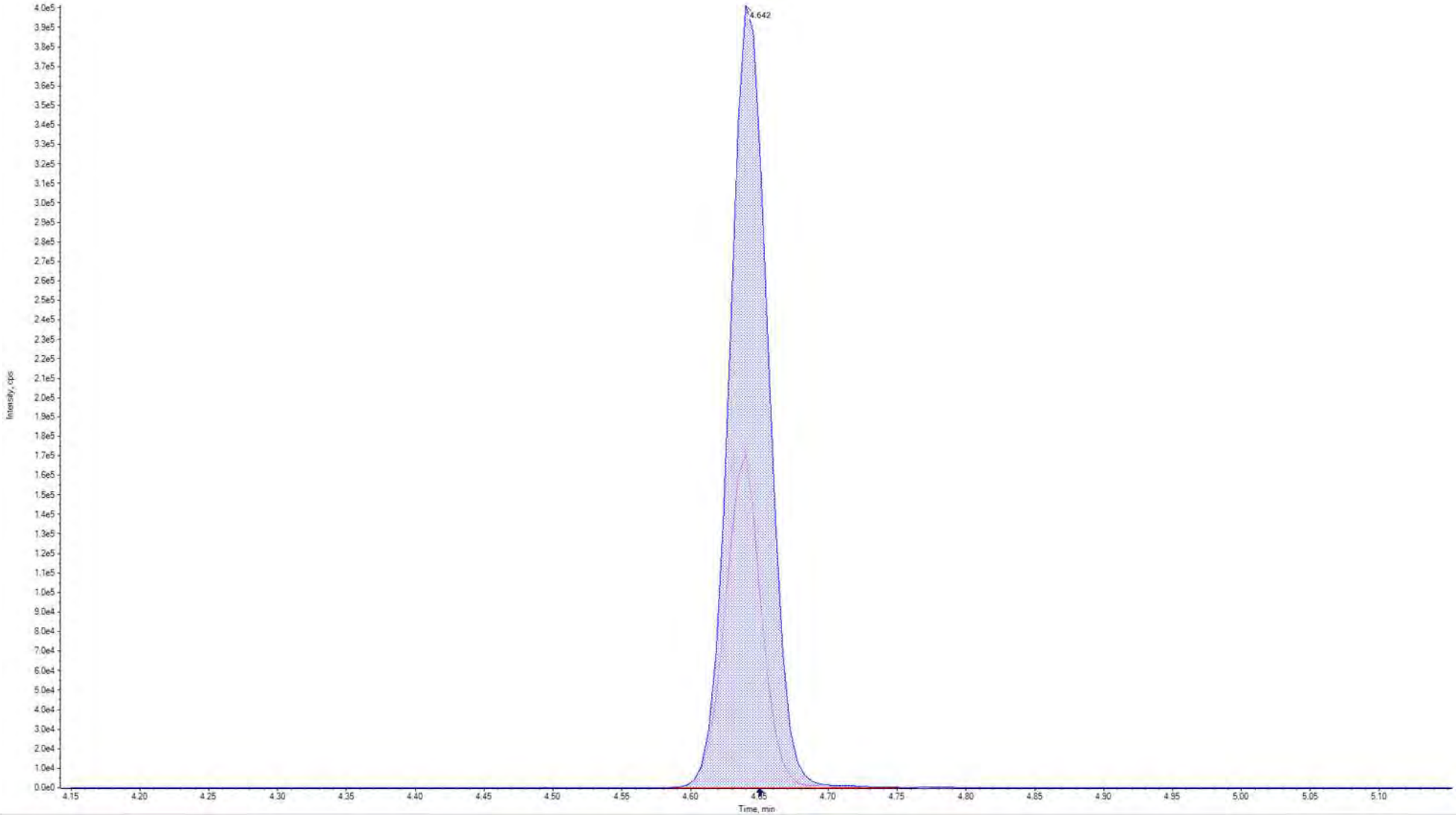
PFDoA_2
Sample: IA1633STD-25 S/N:5535.9 Points Across peak:37



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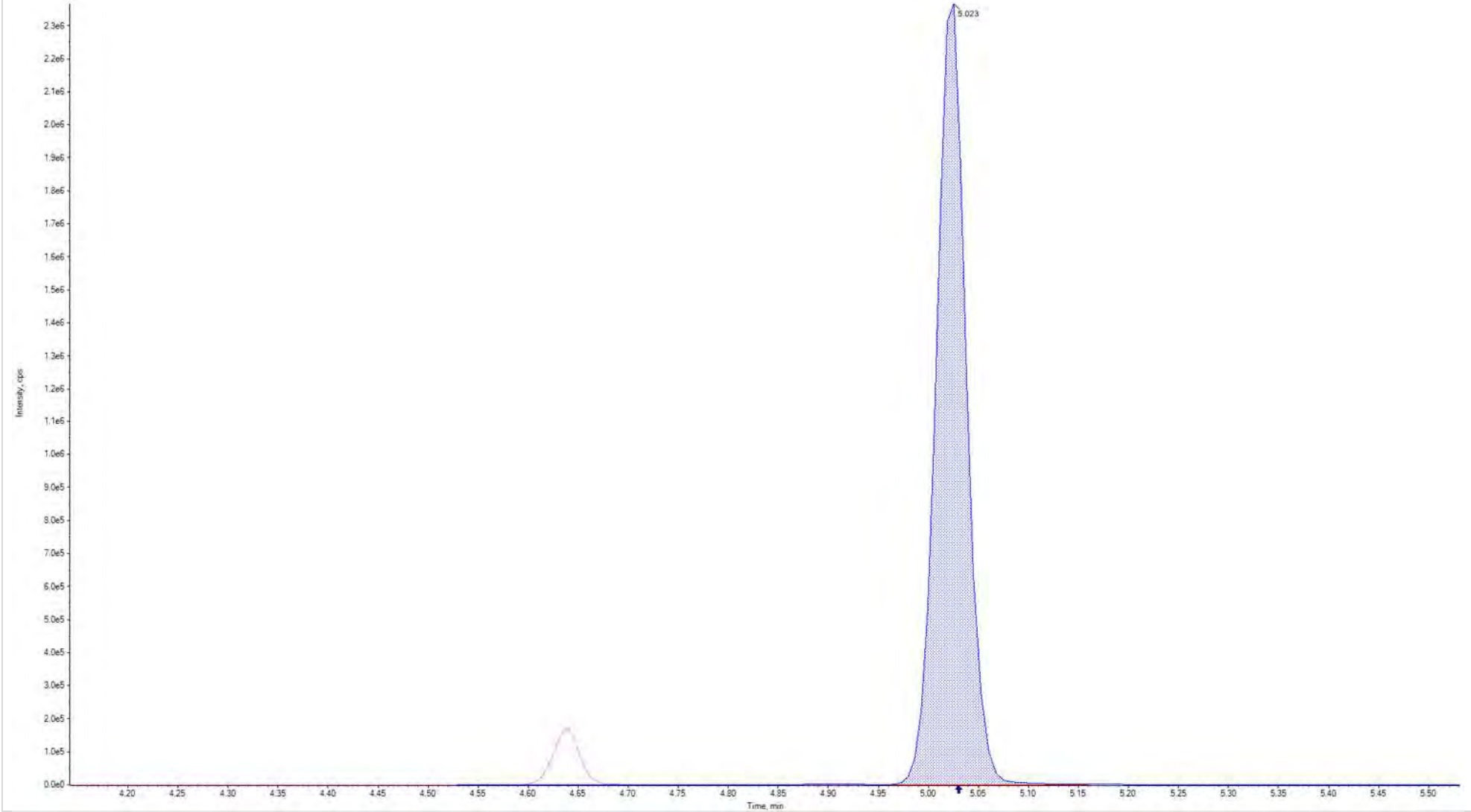
PFTrDA
Sample: IA1633STD-25 S/N:26307.6 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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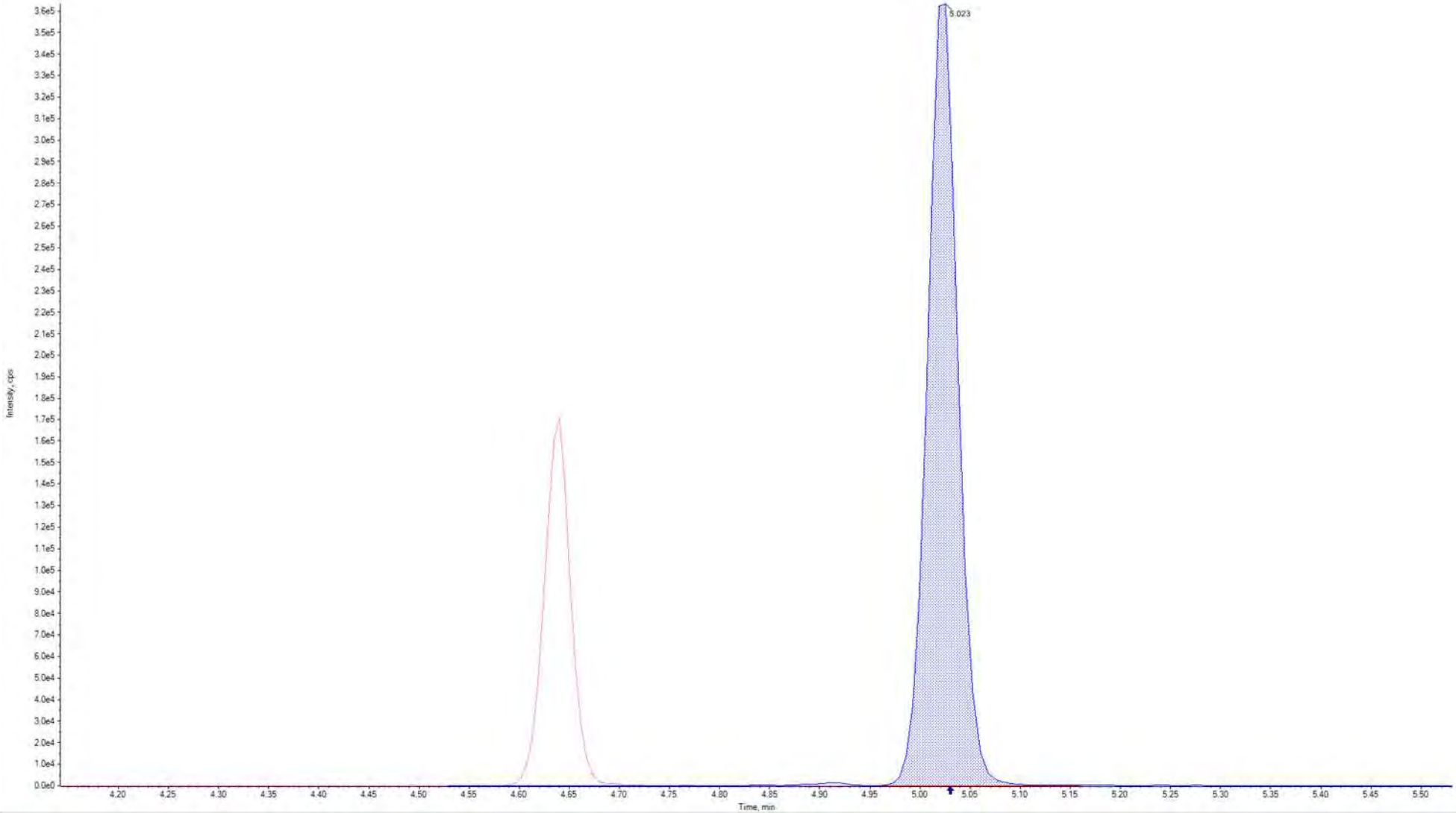
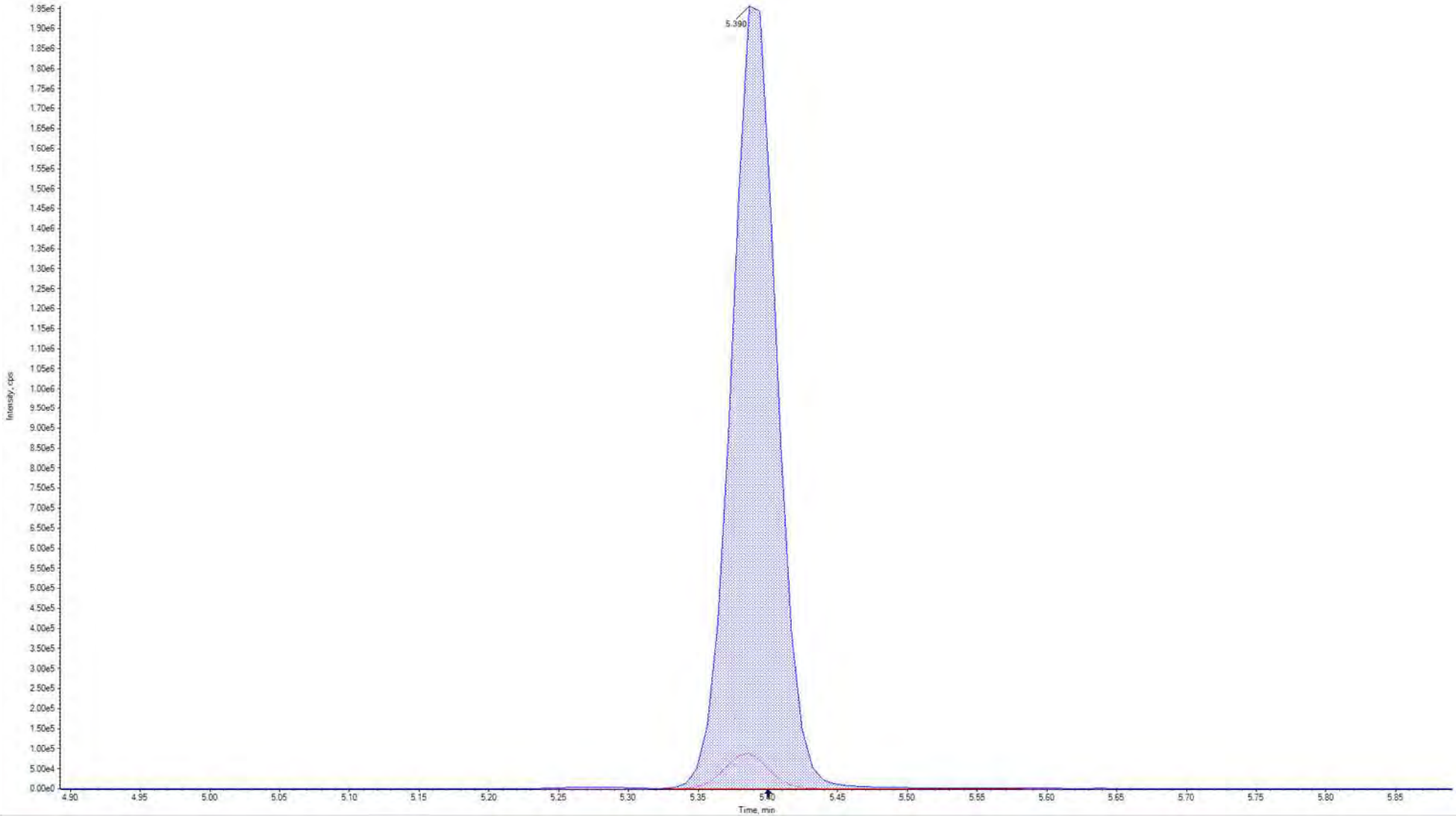
PFTrDA_2
Sample: IA1633STD-25 S/N:3491.6 Points Across peak:30



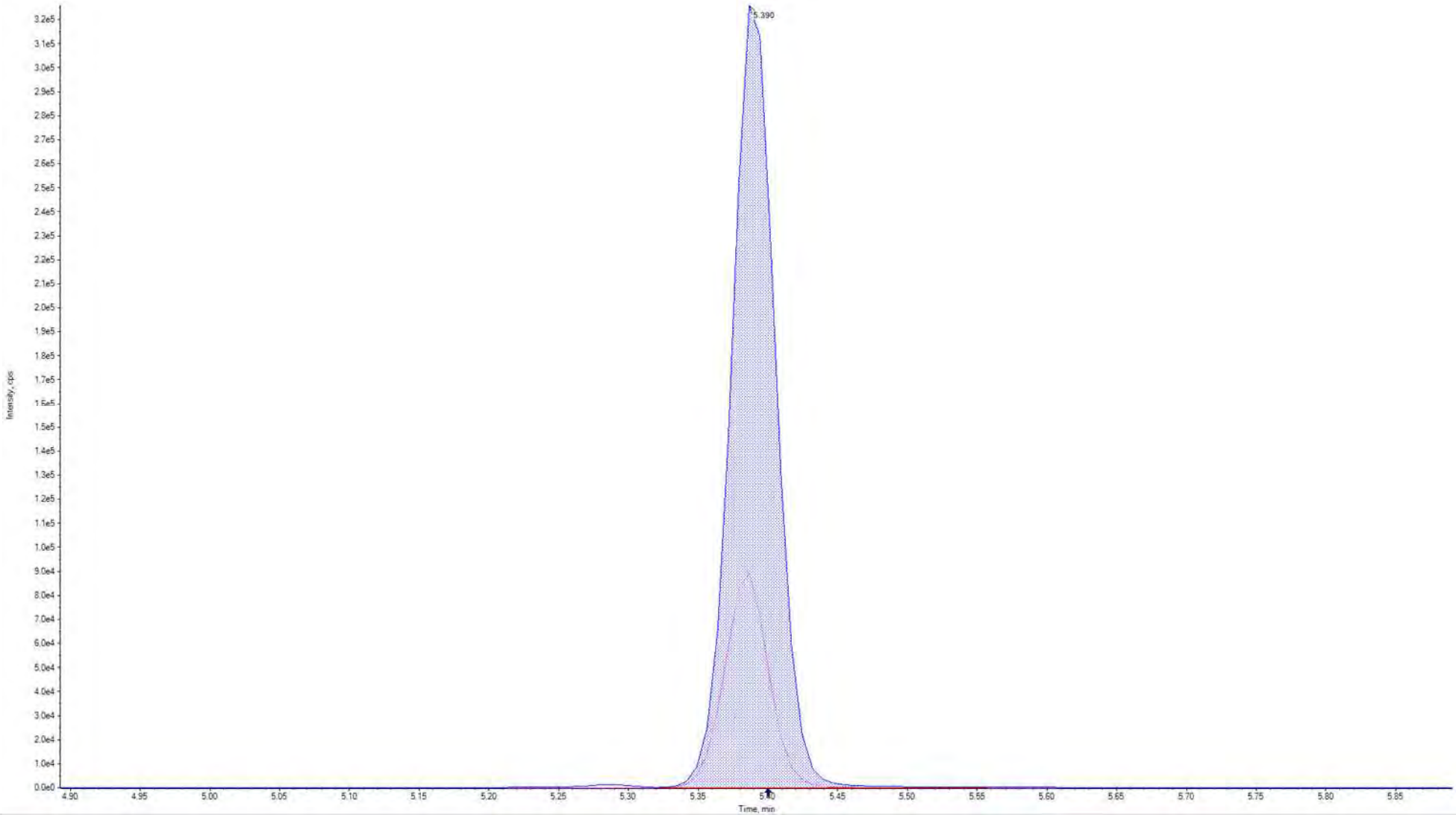
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFTeDA
Sample: IA1633STD-25 S/N:13494.9 Points Across peak:33



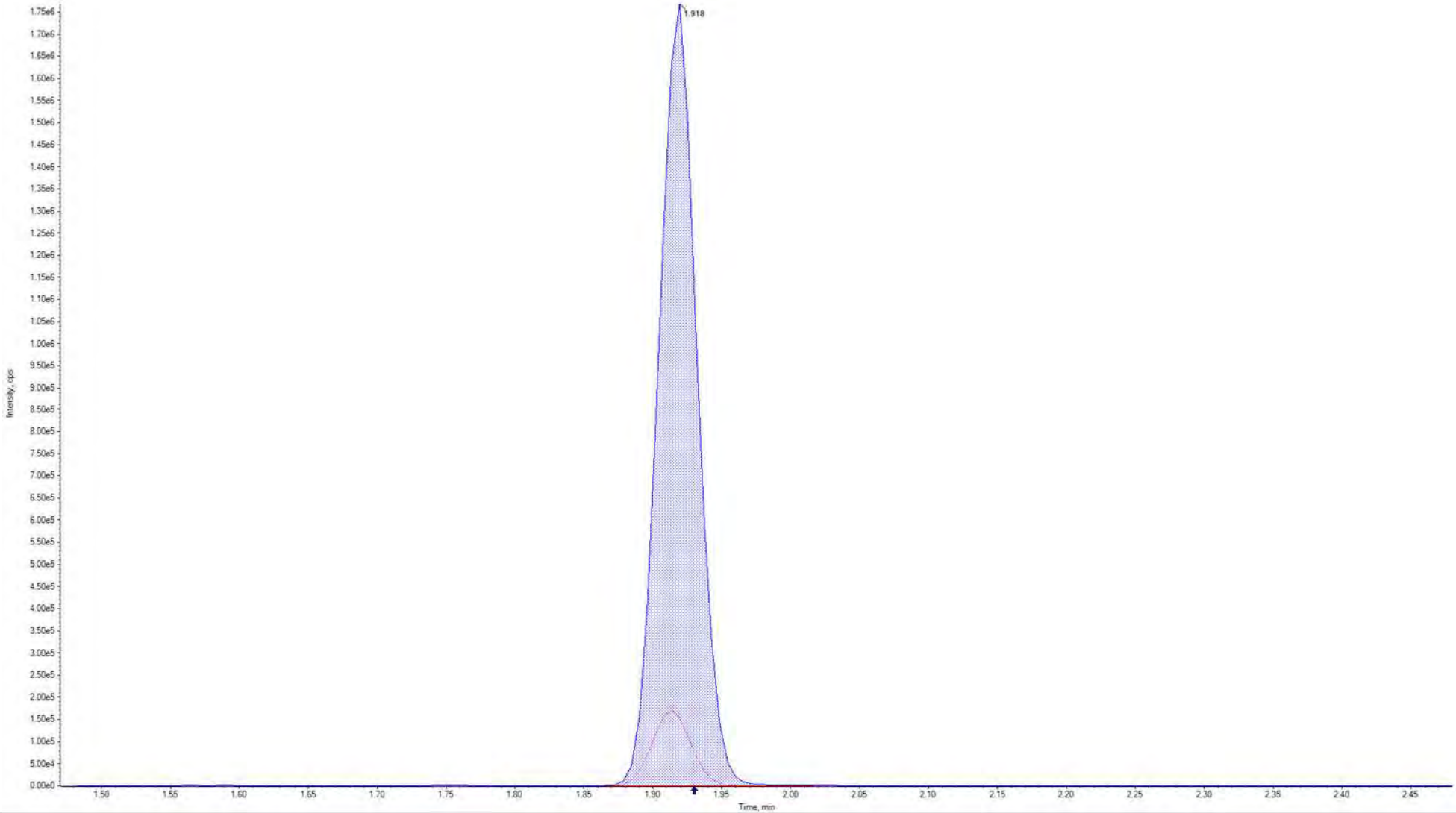
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFTeDA_2
Sample: IA1633STD-25 S/N:10363.9 Points Across peak:30



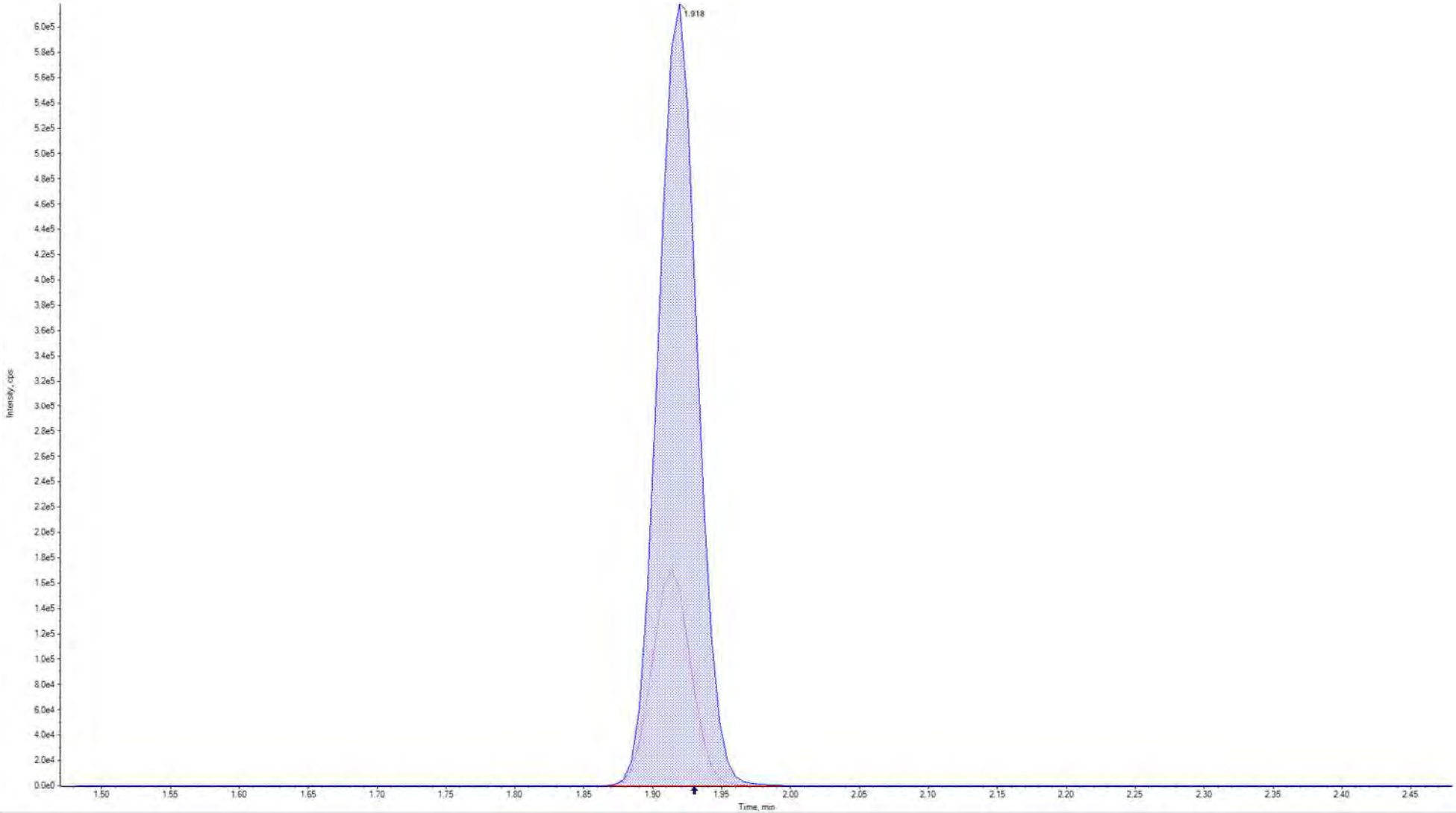
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFBS
Sample: IA1633STD-25 S/N:6765.3 Points Across peak:29



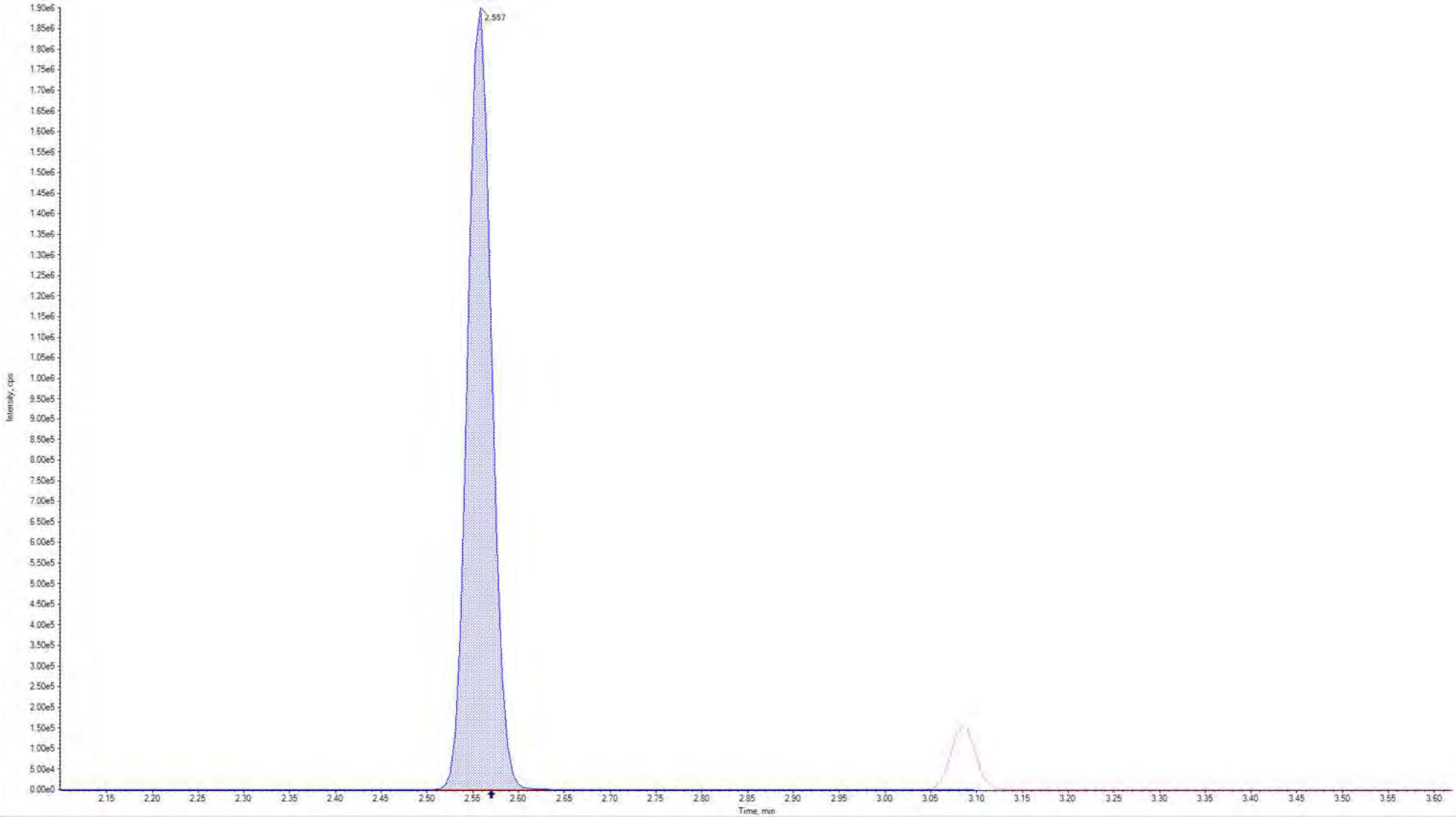
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFBS_2
Sample: IA1633STD-25 S/N:15497.8 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\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFPeS
Sample: IA1633STD-25 S/N:7261.1 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\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
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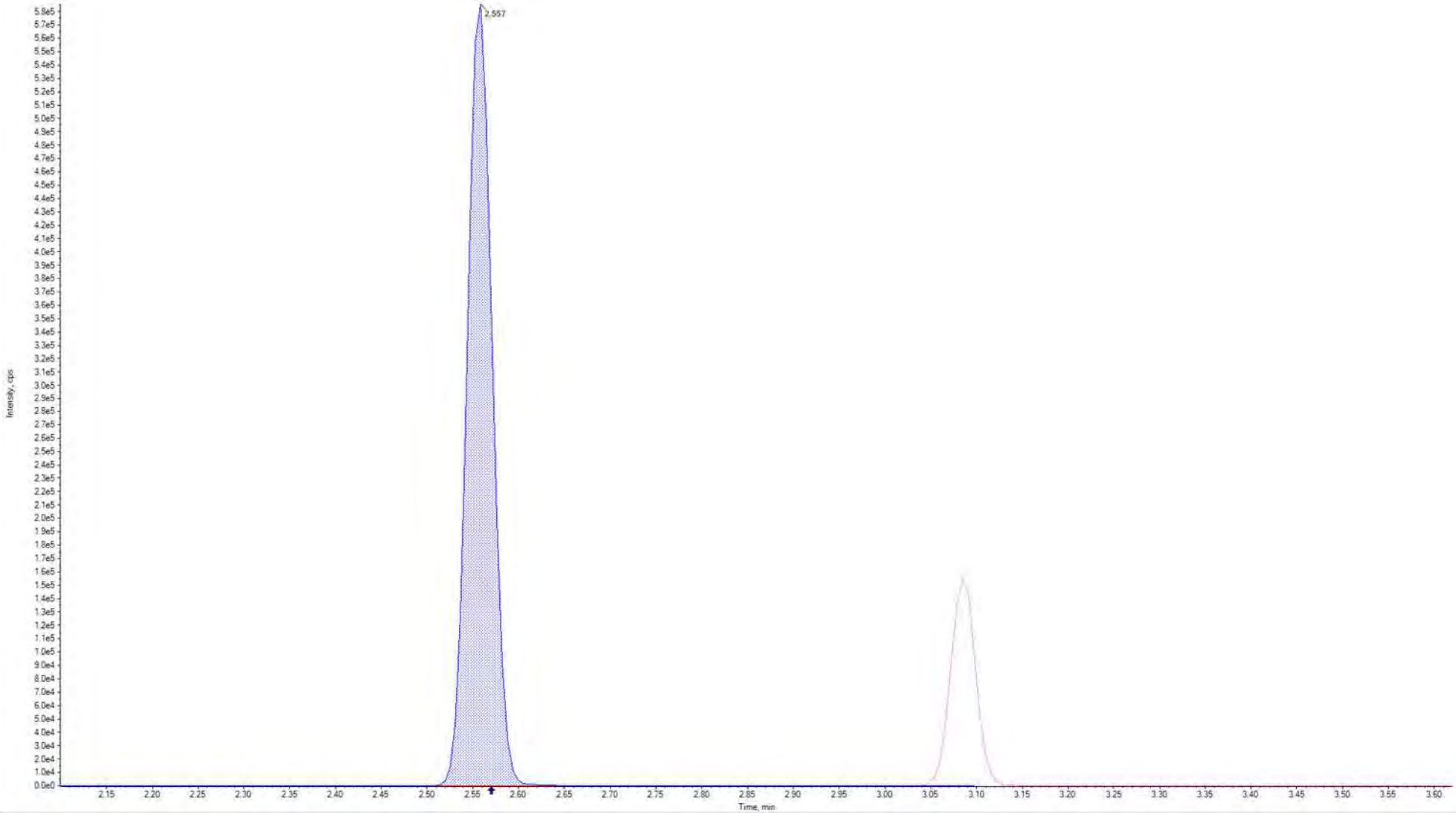
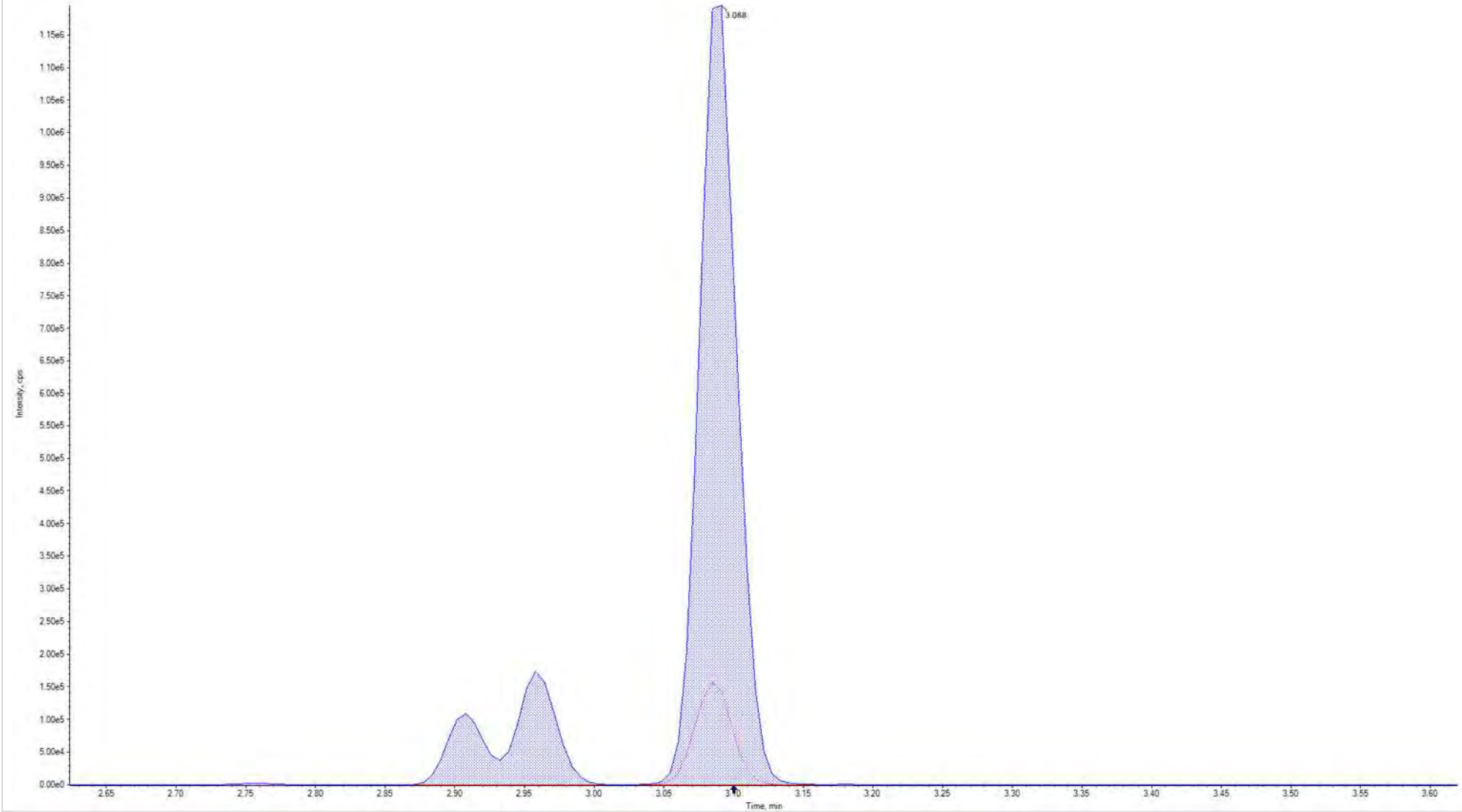
PFPeS_2
Sample: IA1633STD-25 S/N:5313.0 Points Across peak:30



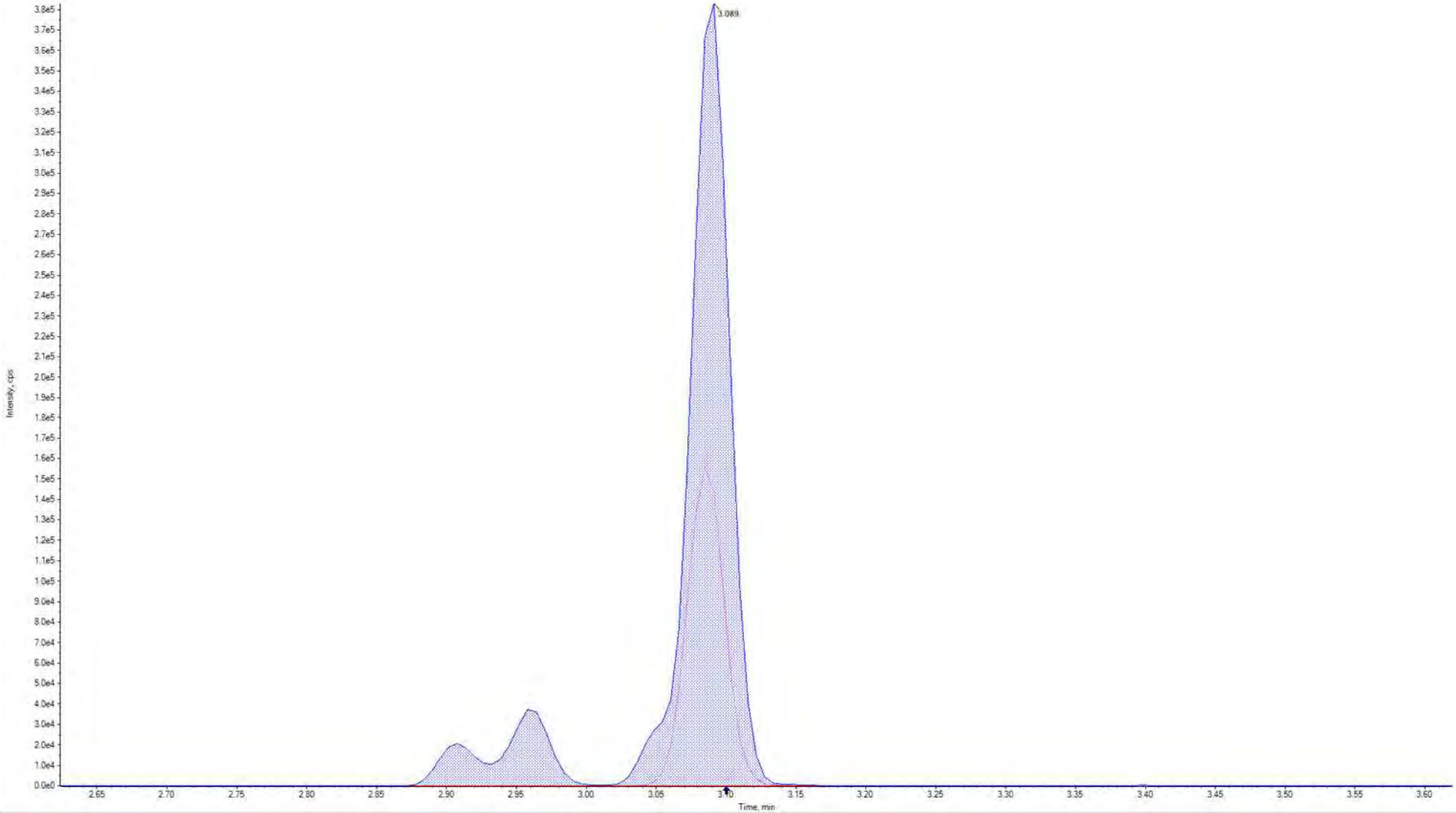
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHxS
Sample: IA1633STD-25 S/N:1171.7 Points Across peak:51



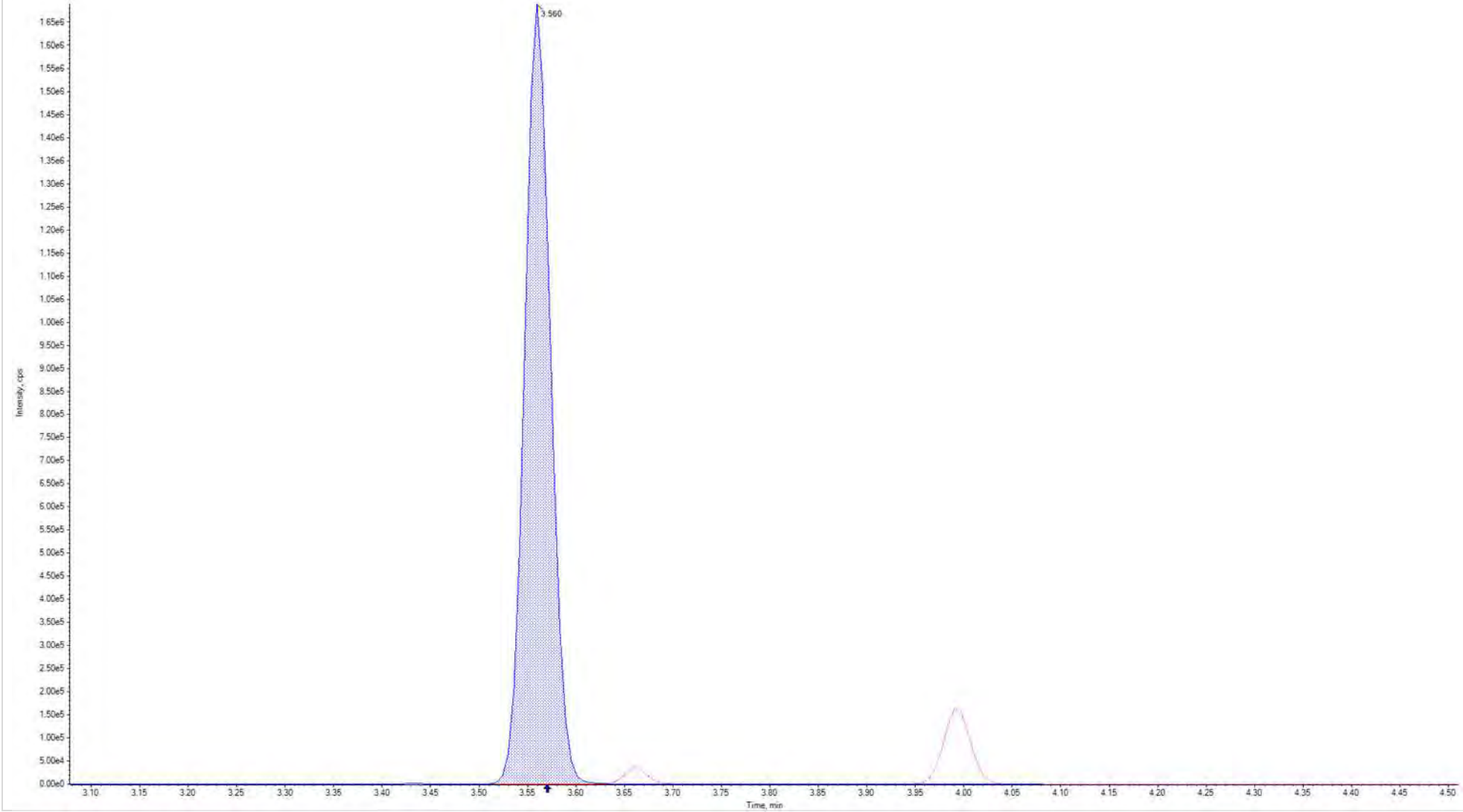
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHxS_2
Sample: IA1633STD-25 S/N:1865.7 Points Across peak:53



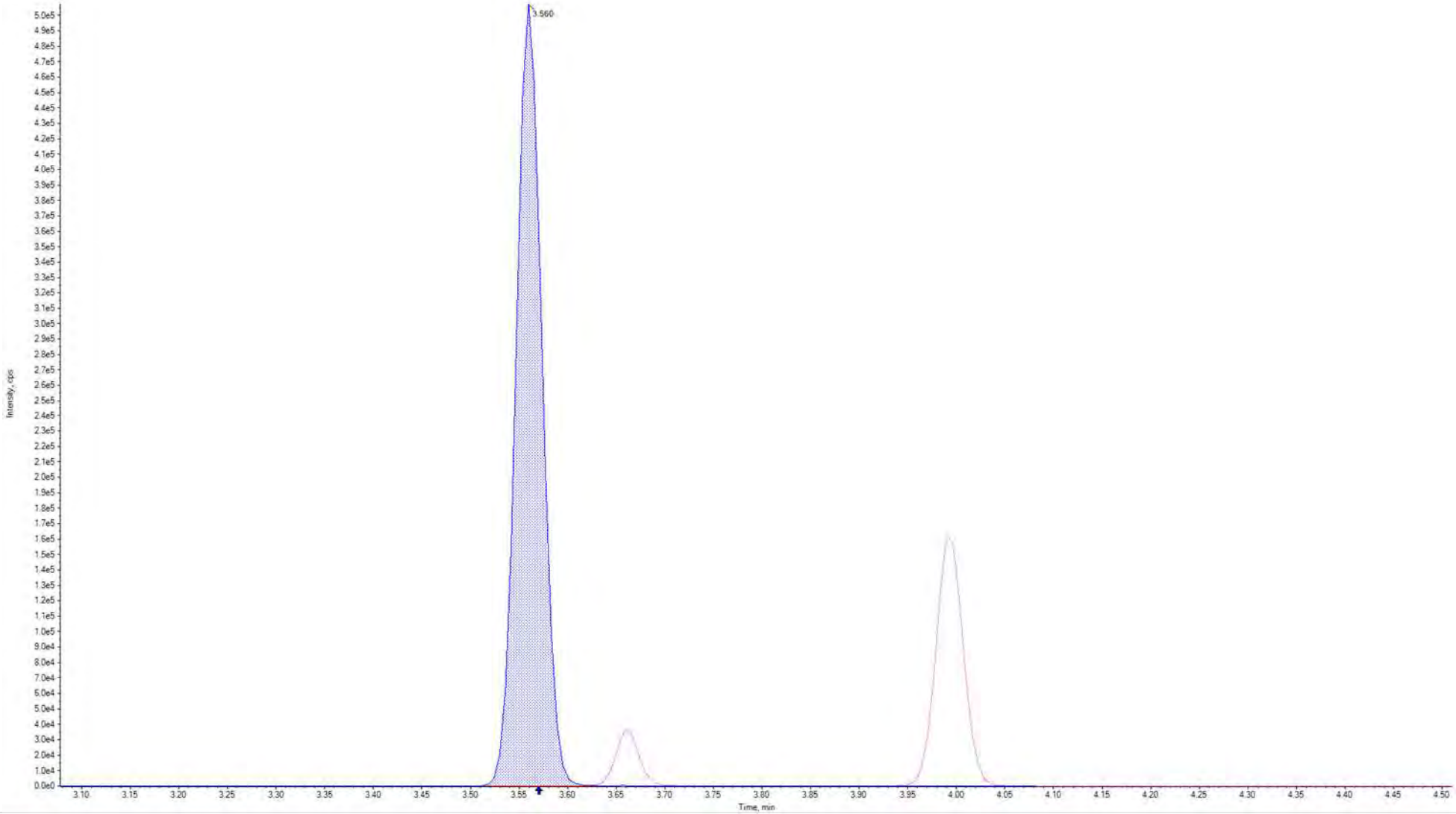
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHpS
Sample: IA1633STD-25 S/N:7088.8 Points Across peak:32



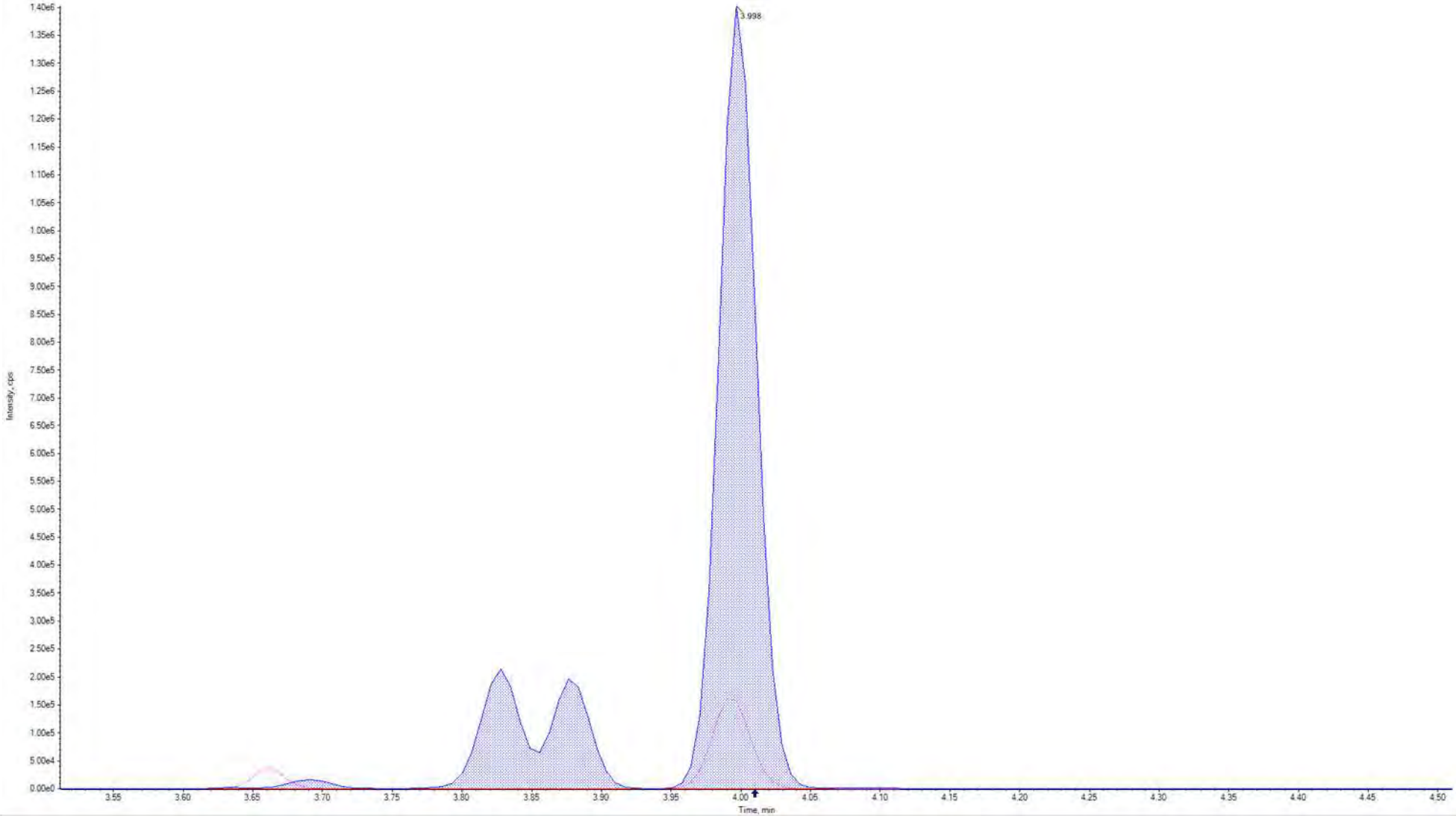
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHpS_2
Sample: IA1633STD-25 S/N:6810.8 Points Across peak:27



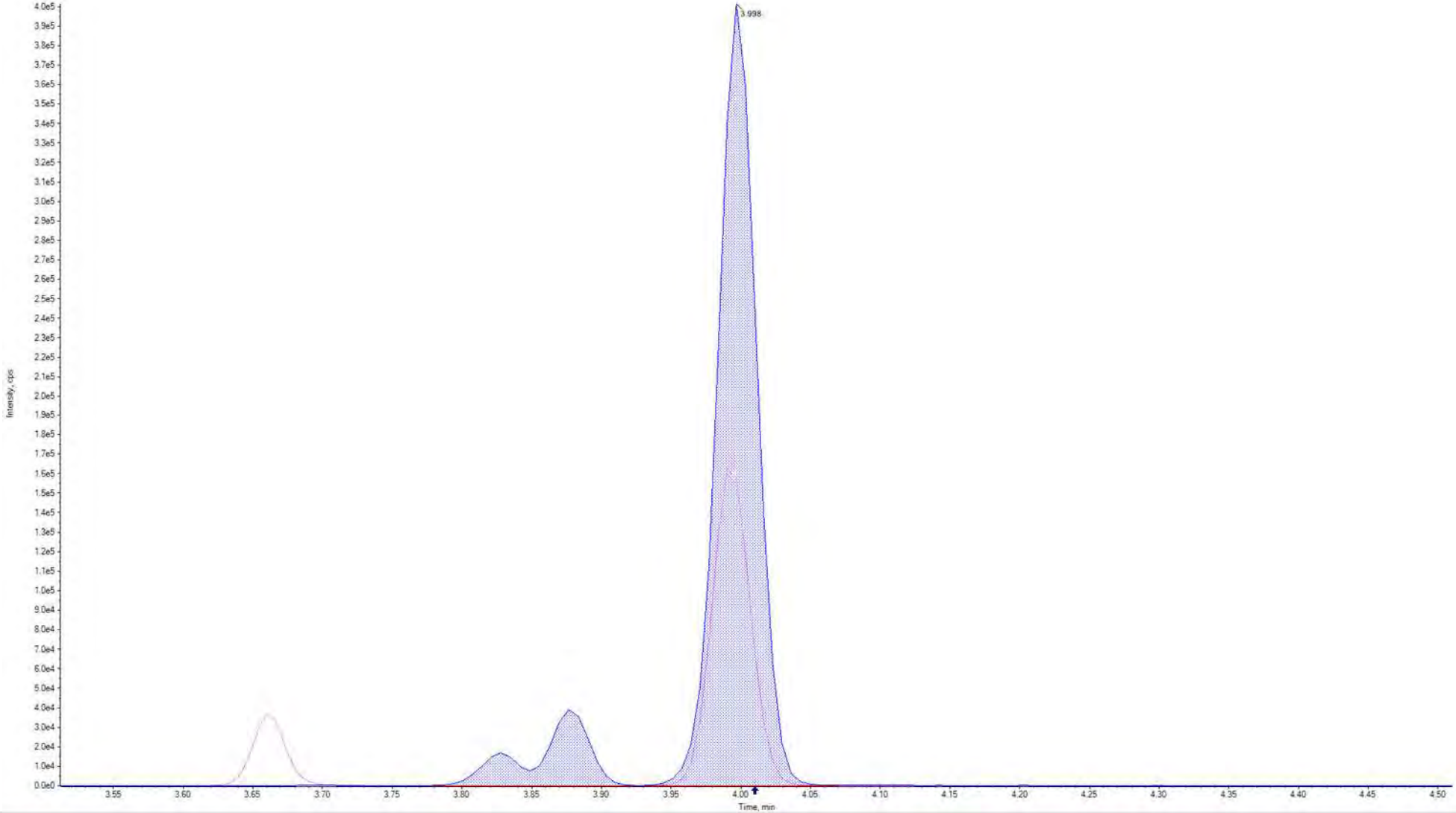
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOS
Sample: IA1633STD-25 S/N:629.7 Points Across peak:74



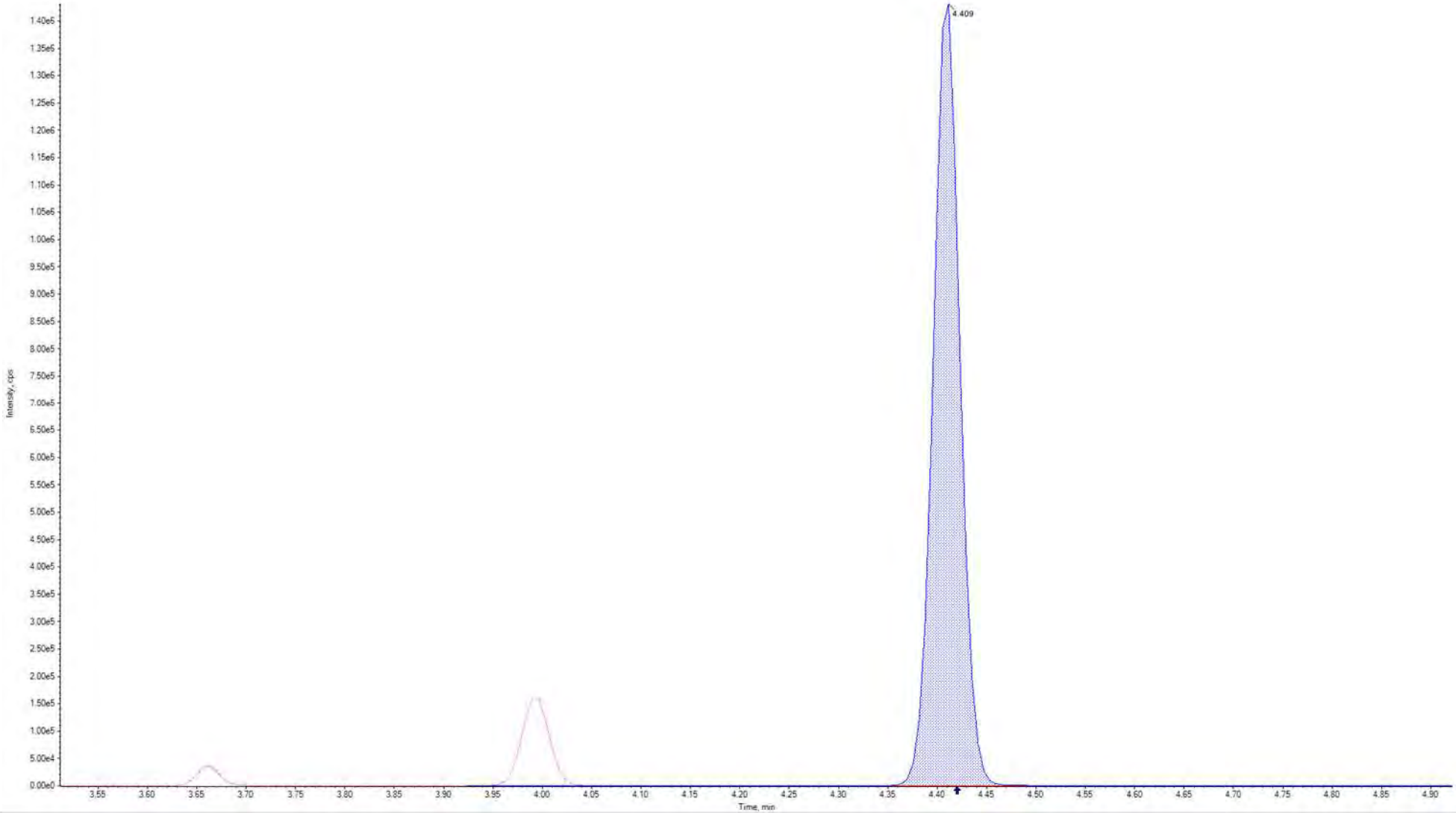
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOS_2
Sample: IA1633STD-25 S/N:1161.0 Points Across peak:47



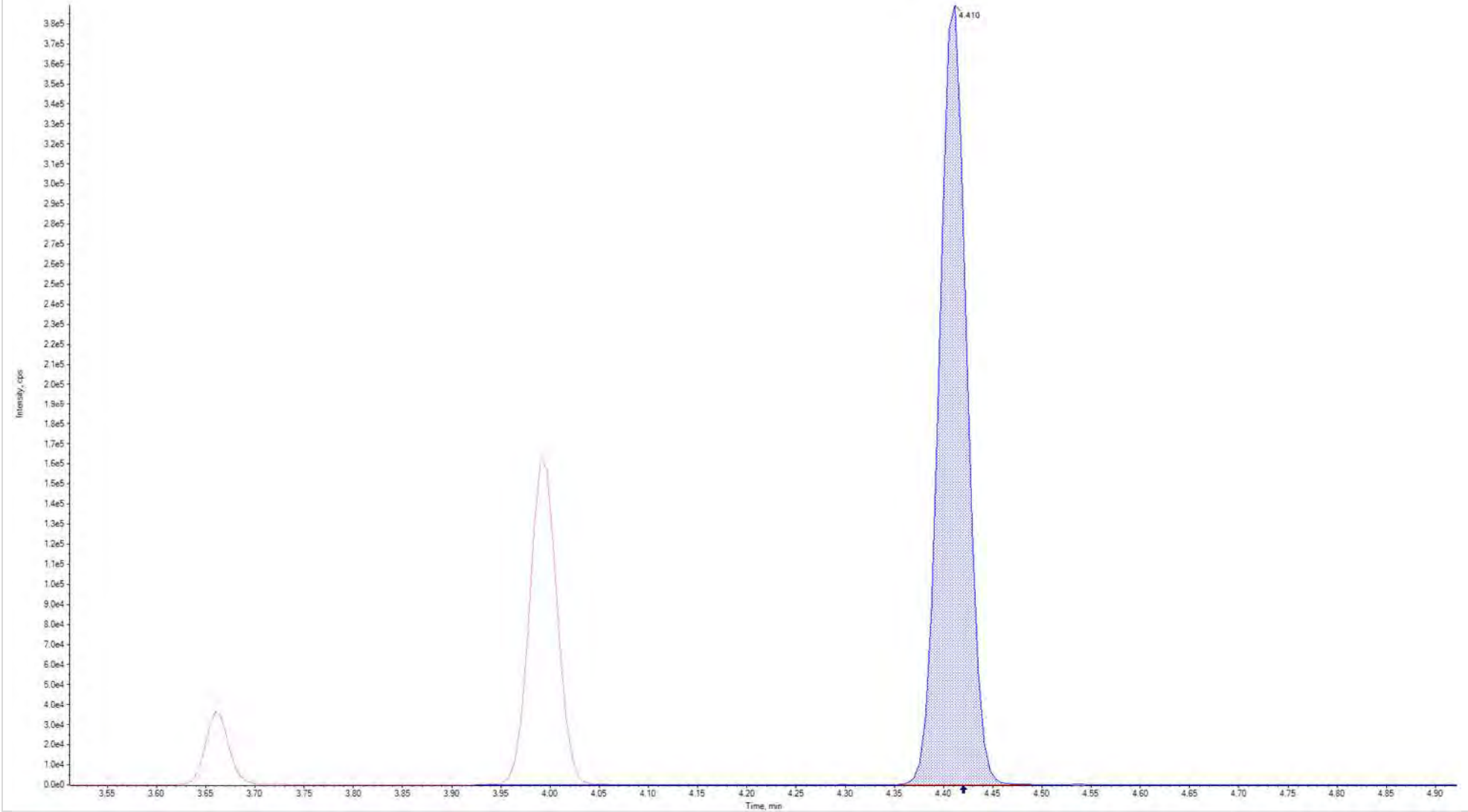
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFNS
Sample: IA1633STD-25 S/N:6699.8 Points Across peak:29



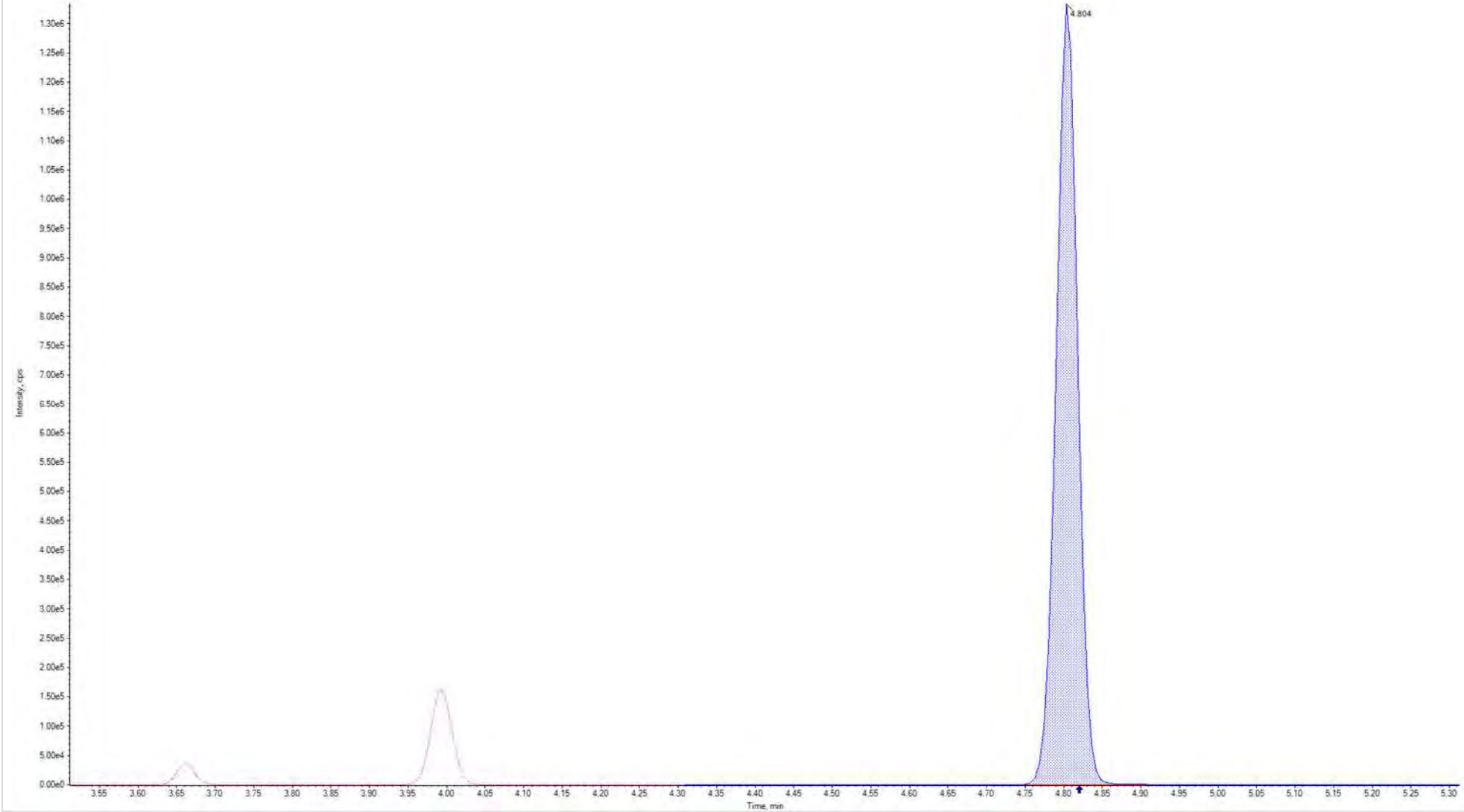
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFNS_2
Sample: IA1633STD-25 S/N:6072.5 Points Across peak:31



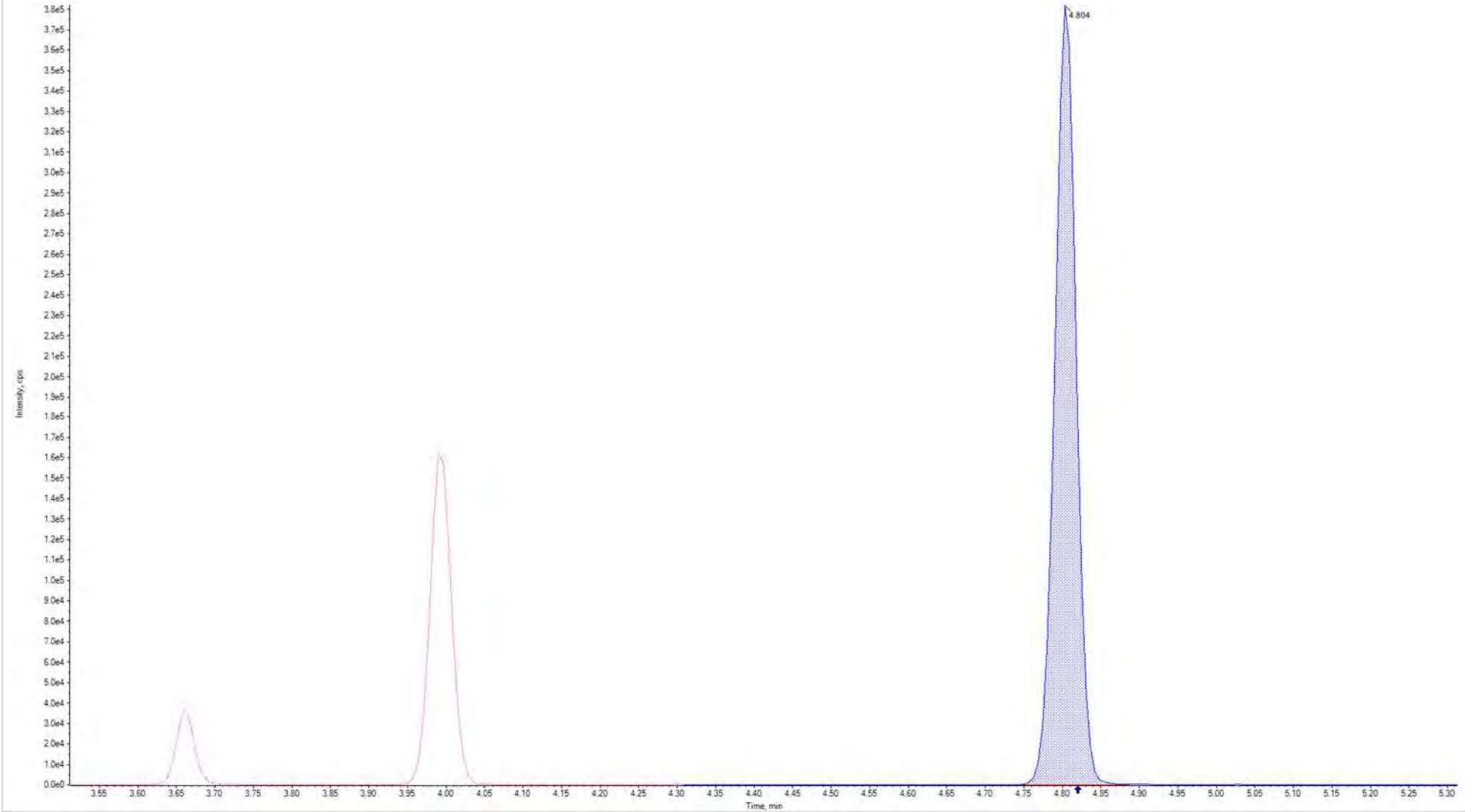
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDS
Sample: IA1633STD-25 S/N:46800.8 Points Across peak:35



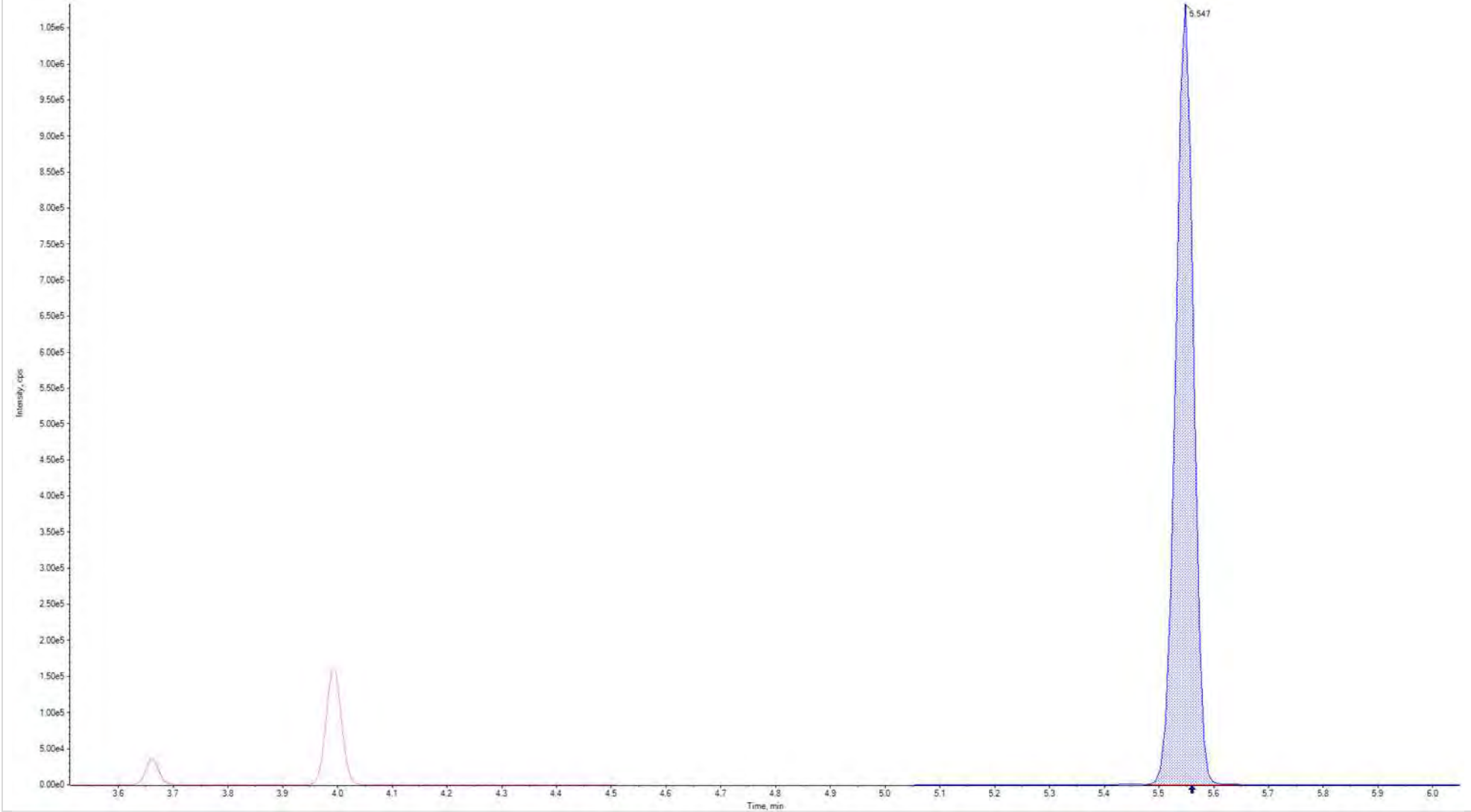
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDS_2
Sample: IA1633STD-25 S/N:7954.0 Points Across peak:29



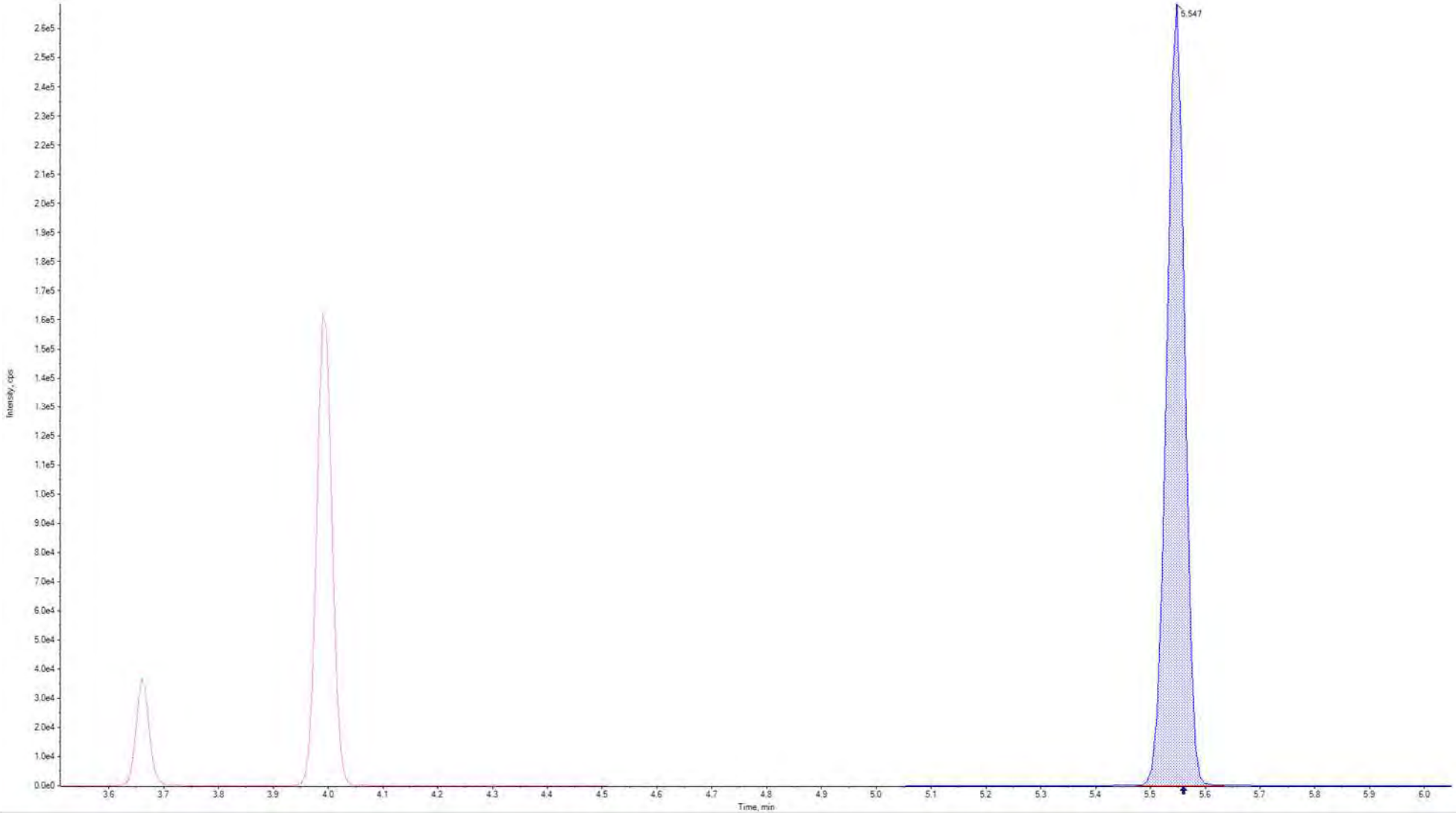
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoS
Sample: IA1633STD-25 S/N:34441.2 Points Across peak:28



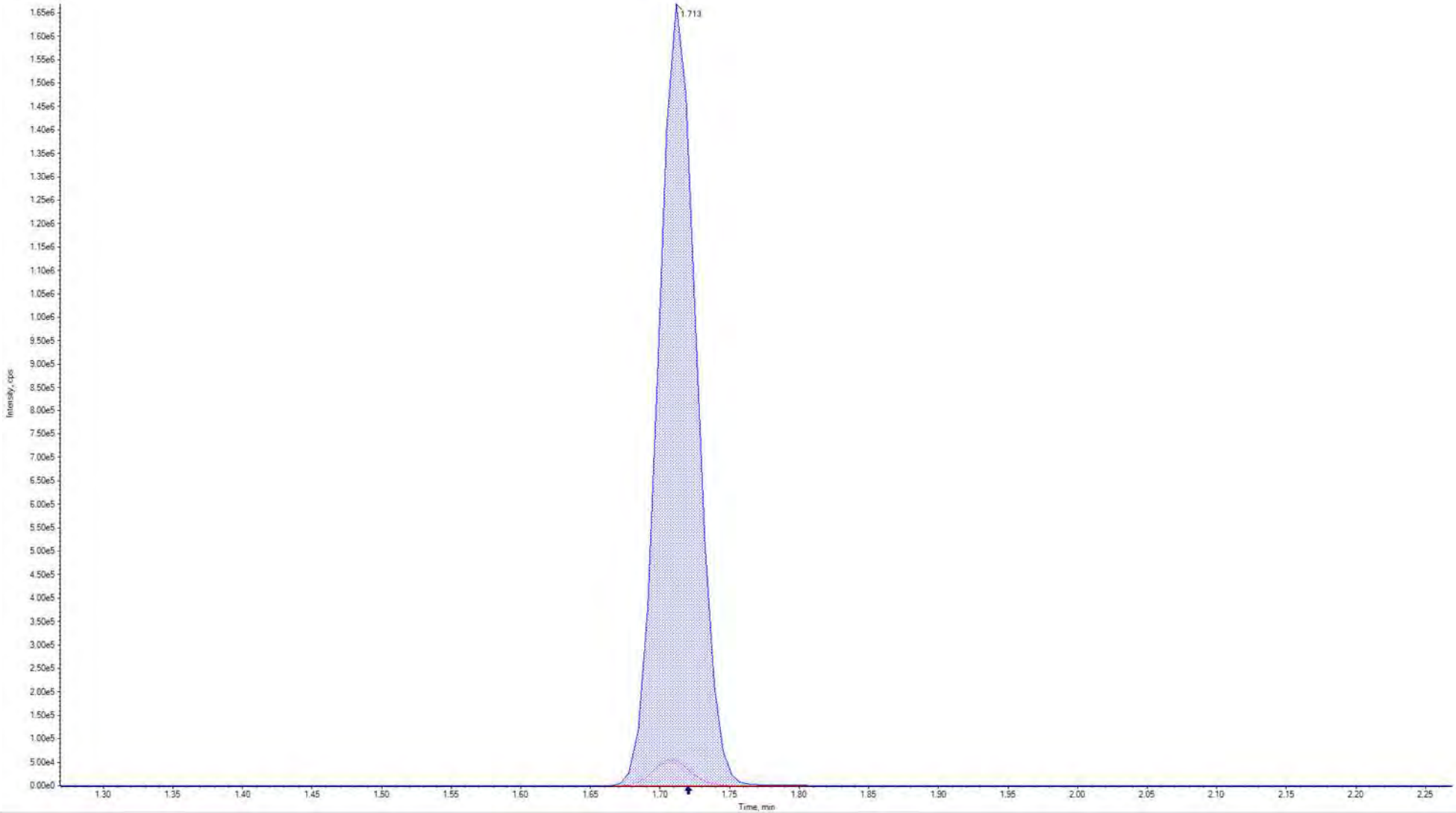
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoS_2
Sample: IA1633STD-25 S/N:20862.7 Points Across peak:19



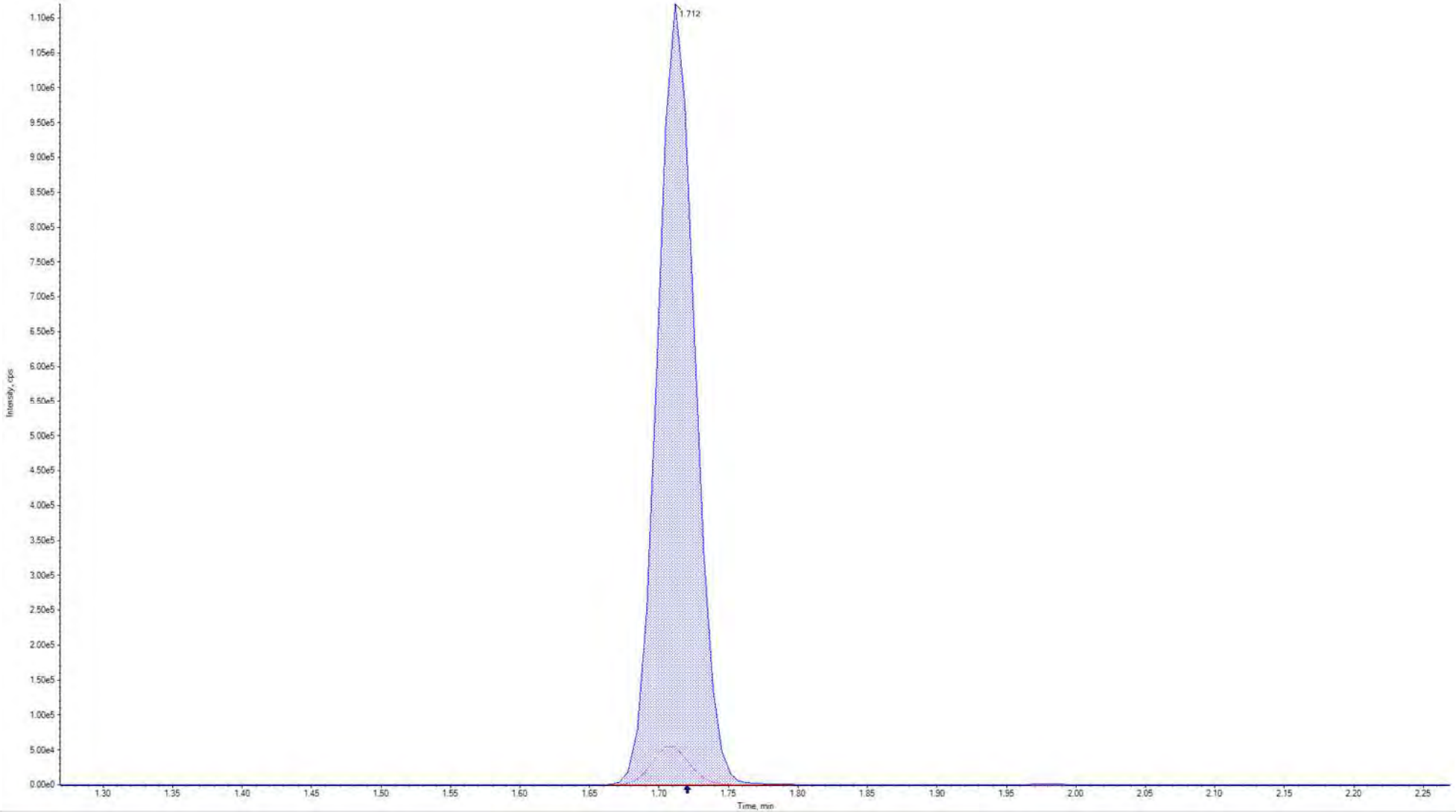
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

4:2FTS
Sample: IA1633STD-25 S/N:62747.7 Points Across peak:29



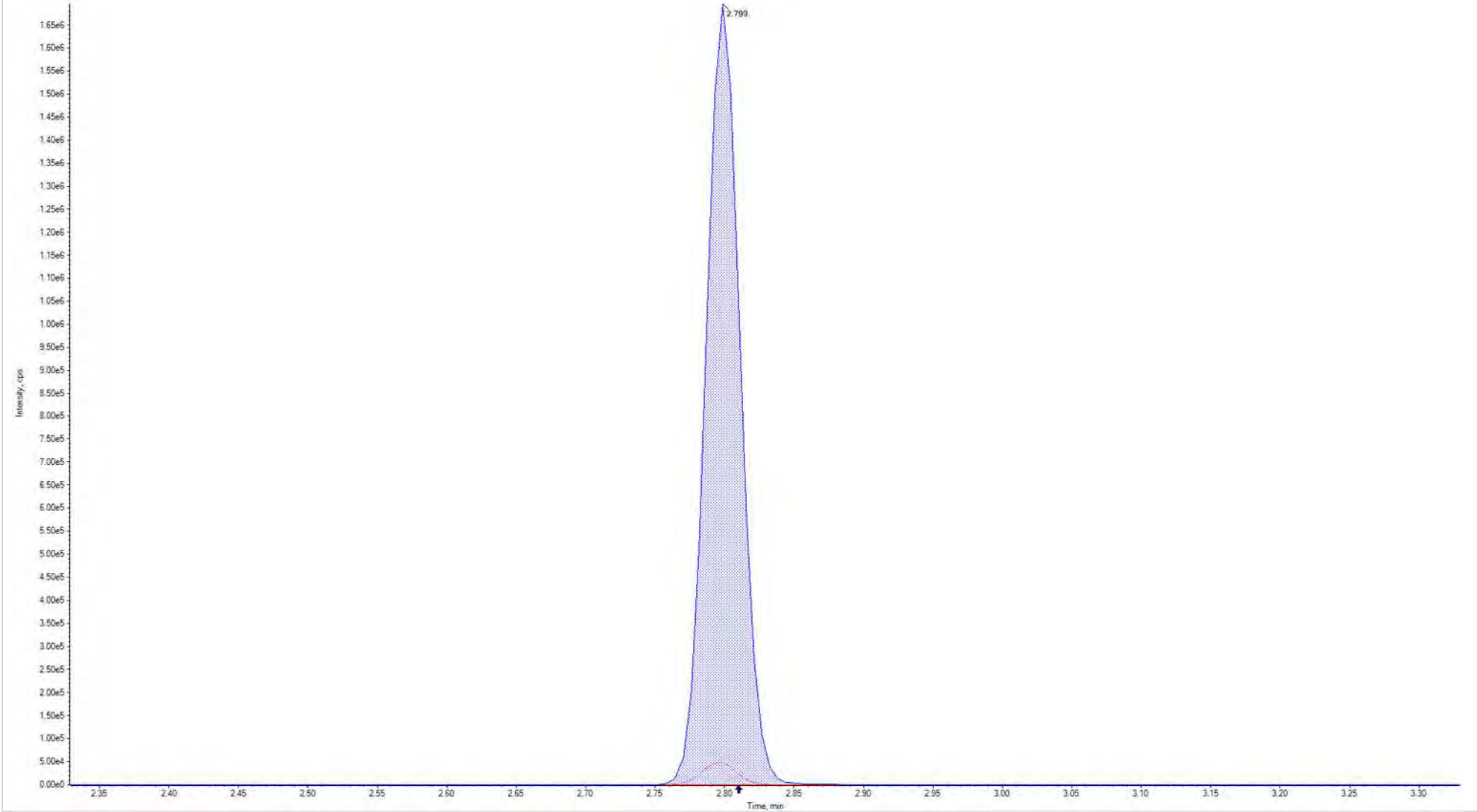
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

4:2FTS_2
Sample: IA1633STD-25 S/N:6984.8 Points Across peak:38



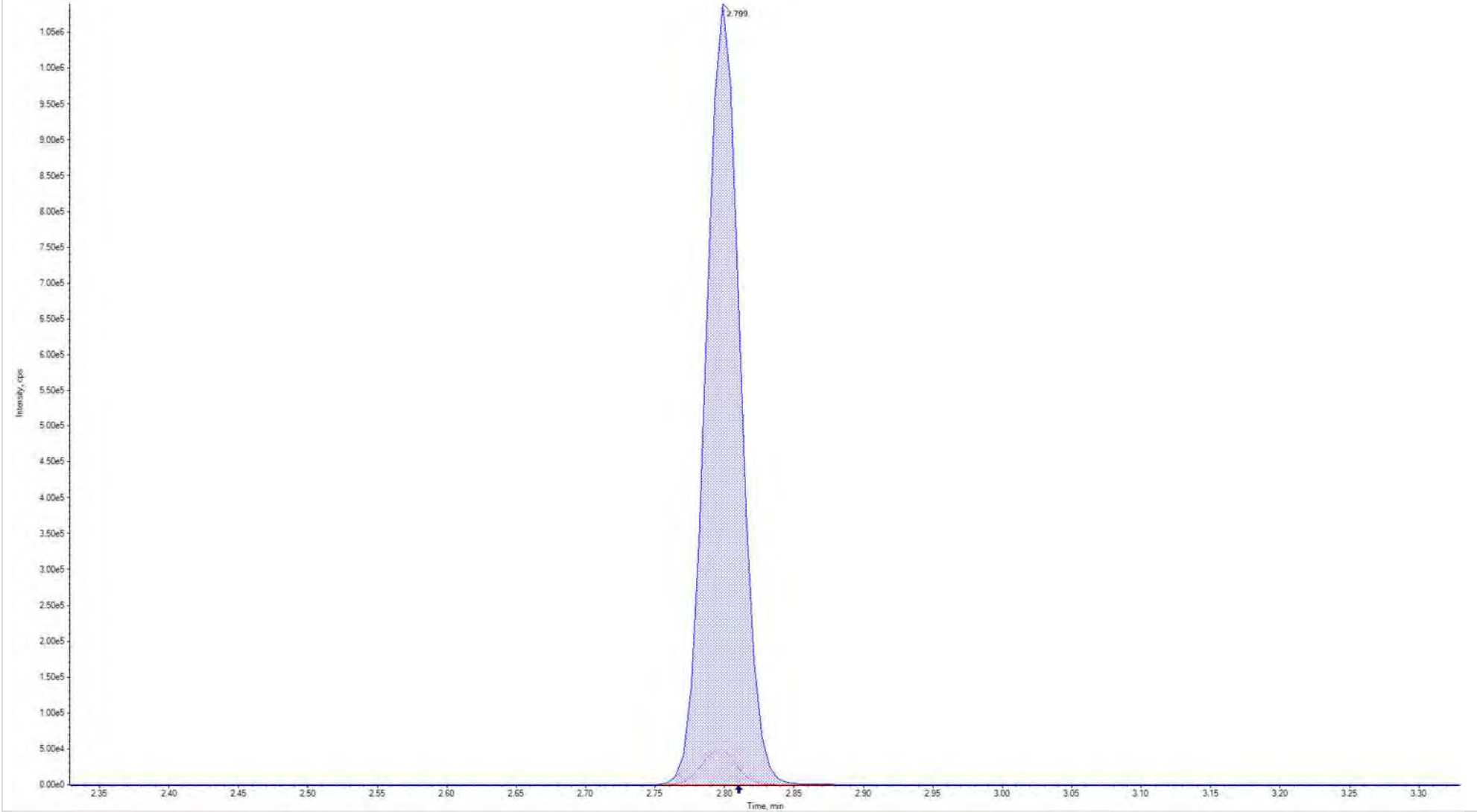
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

6:2FTS
Sample: IA1633STD-25 S/N:6292.0 Points Across peak:36



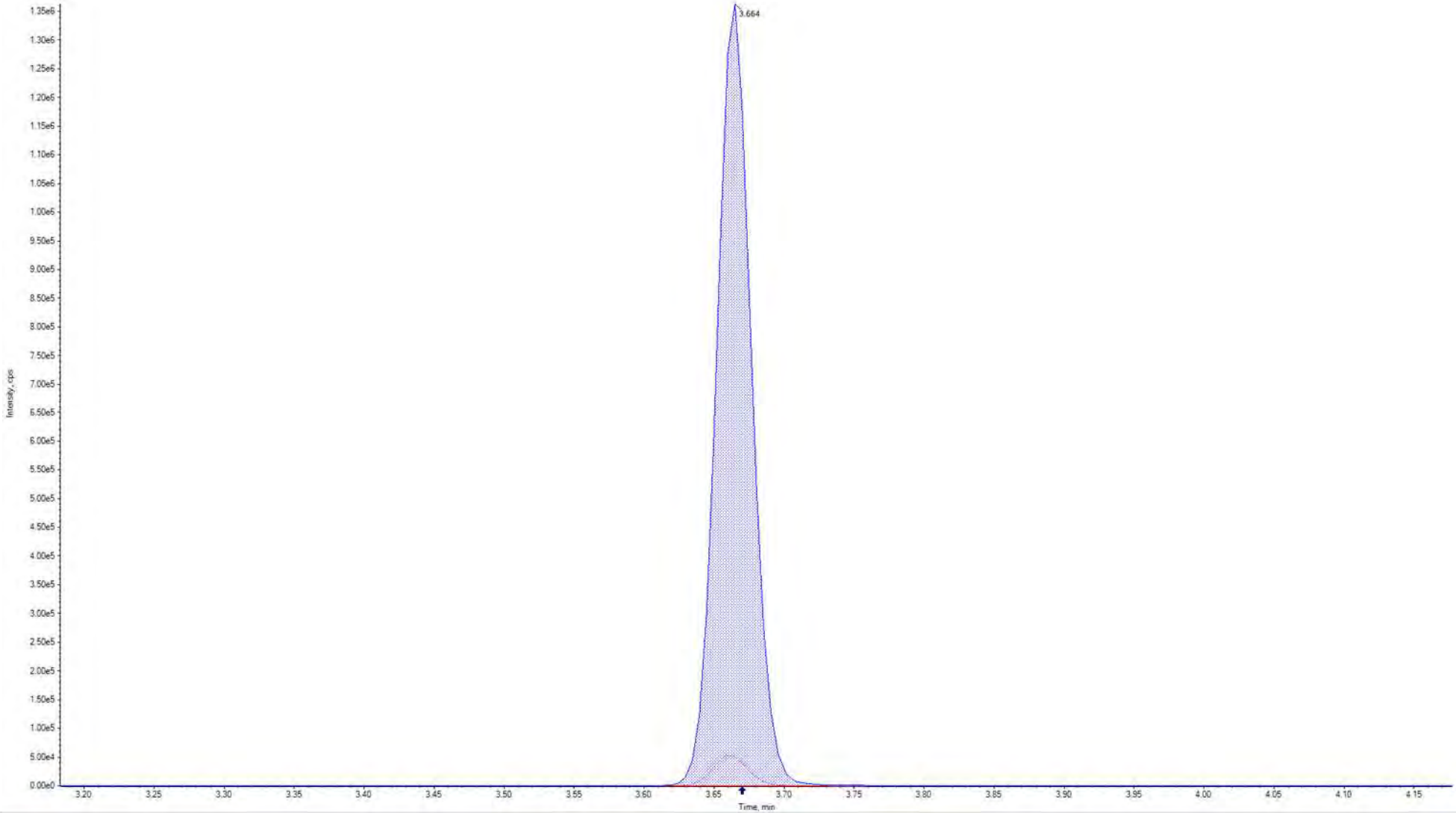
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

6:2FTS_2
Sample: IA1633STD-25 S/N:5996.6 Points Across peak:28



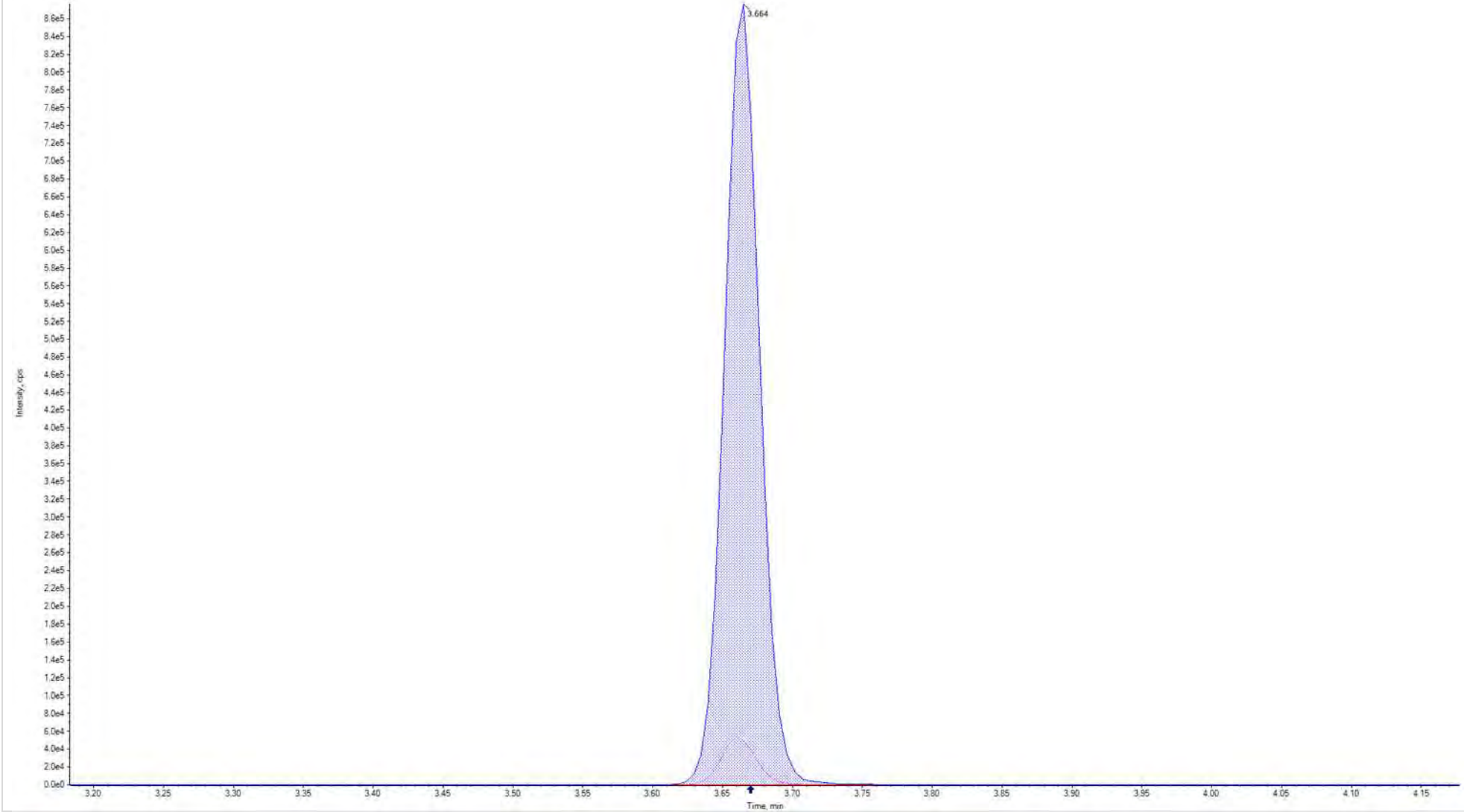
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

8:2FTS
Sample: IA1633STD-25 S/N:7718.1 Points Across peak:28



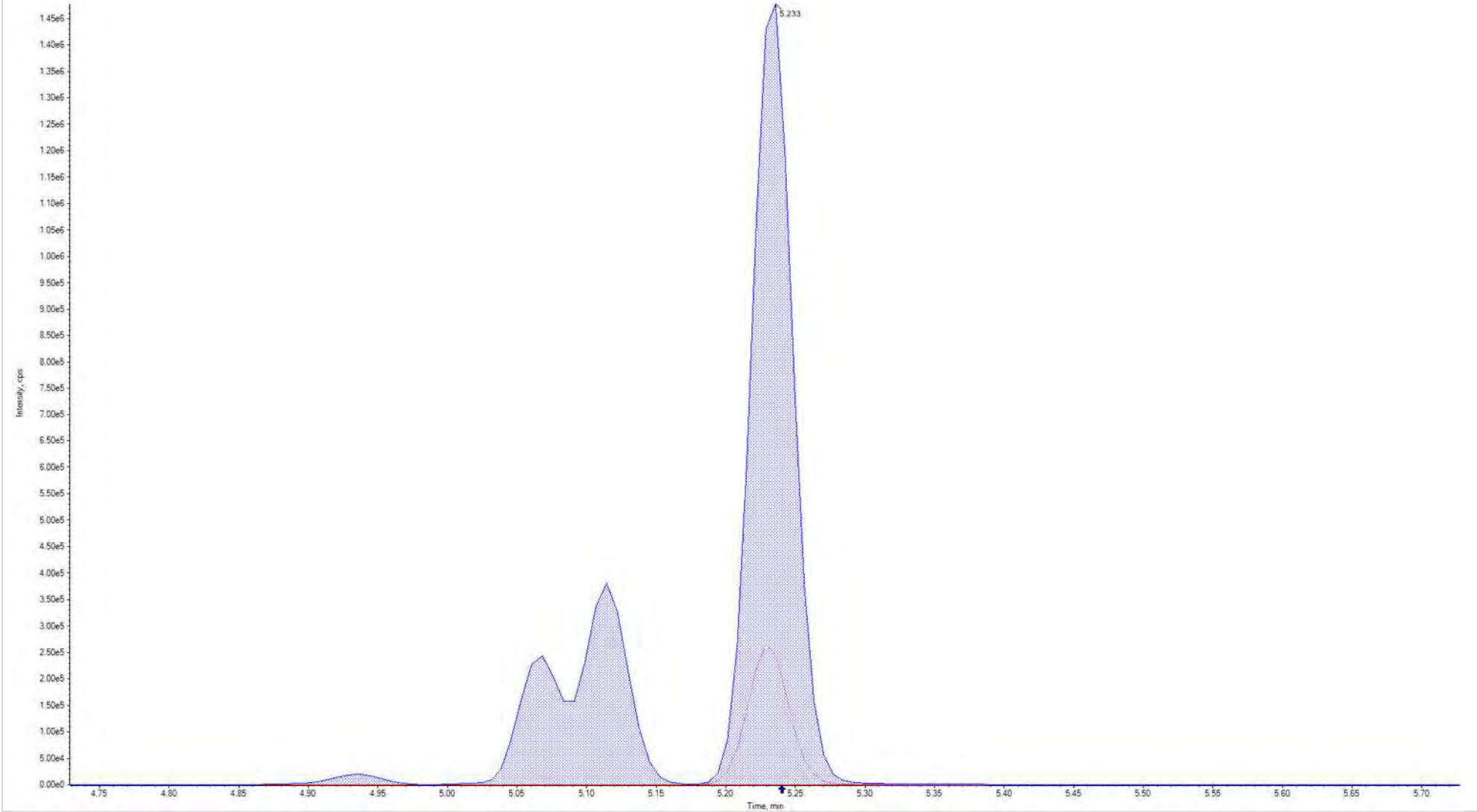
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

8:2FTS_2
Sample: IA1633STD-25 S/N:10106.2 Points Across peak:35



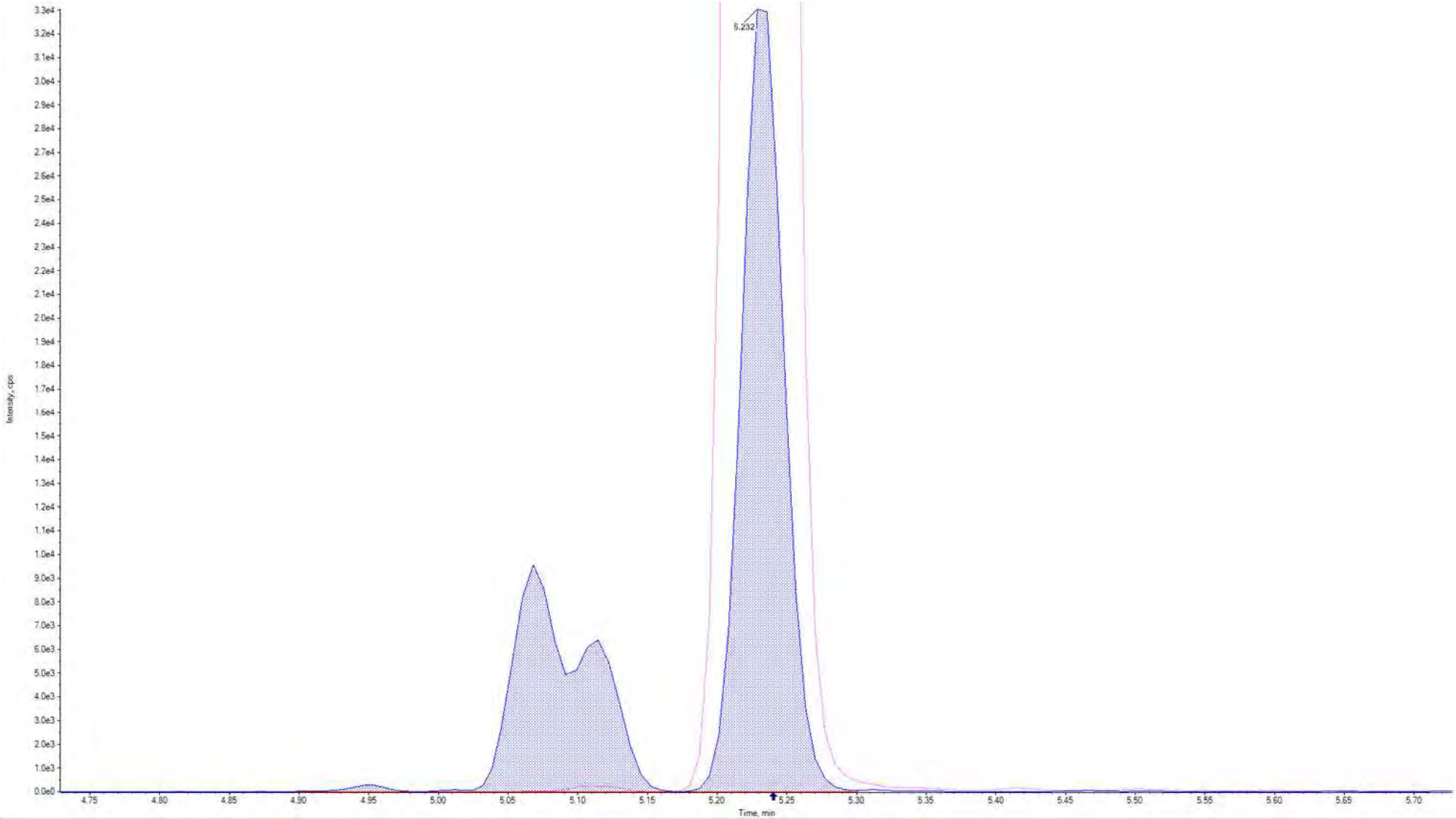
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOSA
Sample: IA1633STD-25 S/N:384.6 Points Across peak:76



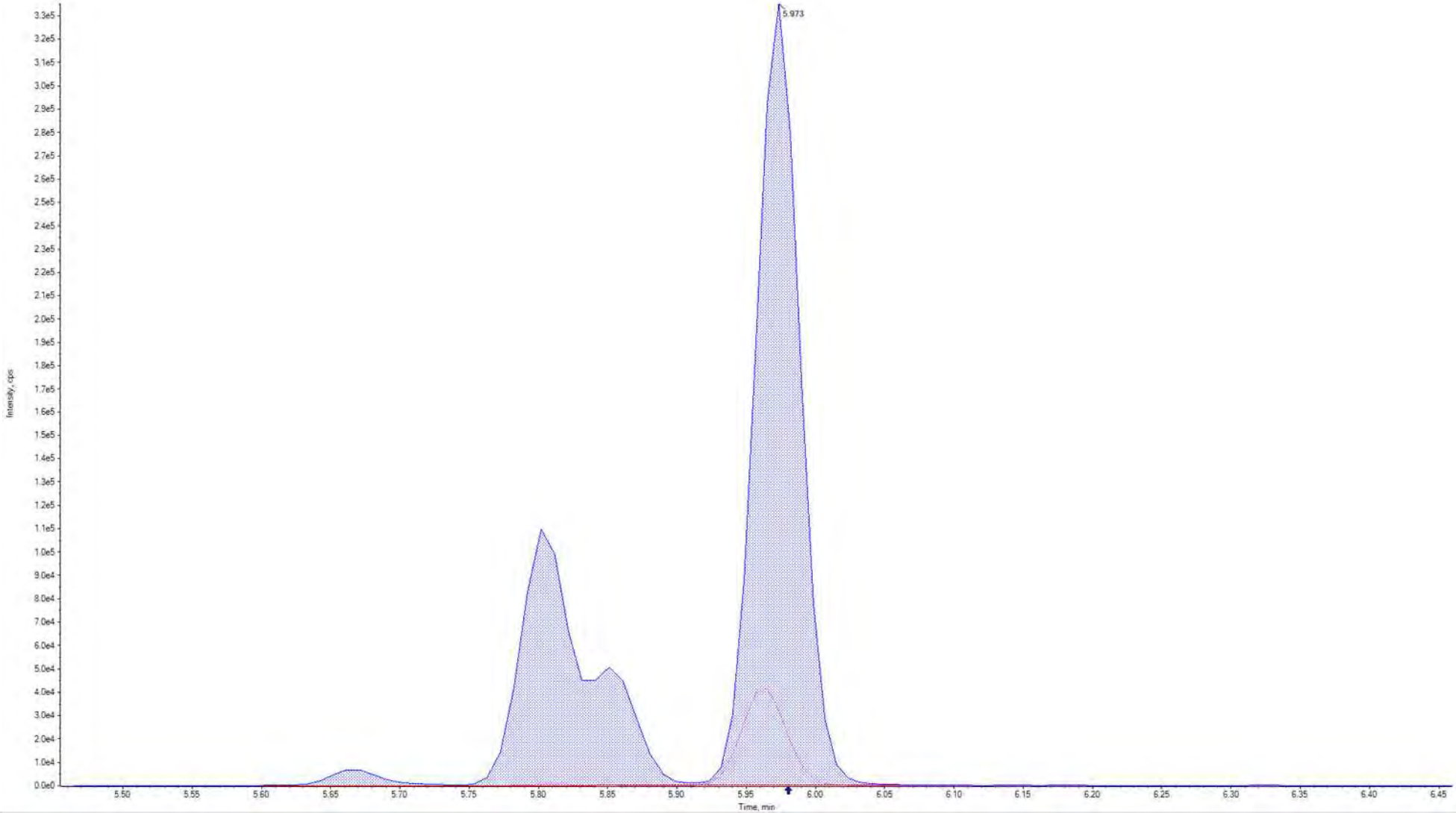
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOSA_2
Sample: IA1633STD-25 S/N:454.9 Points Across peak:61



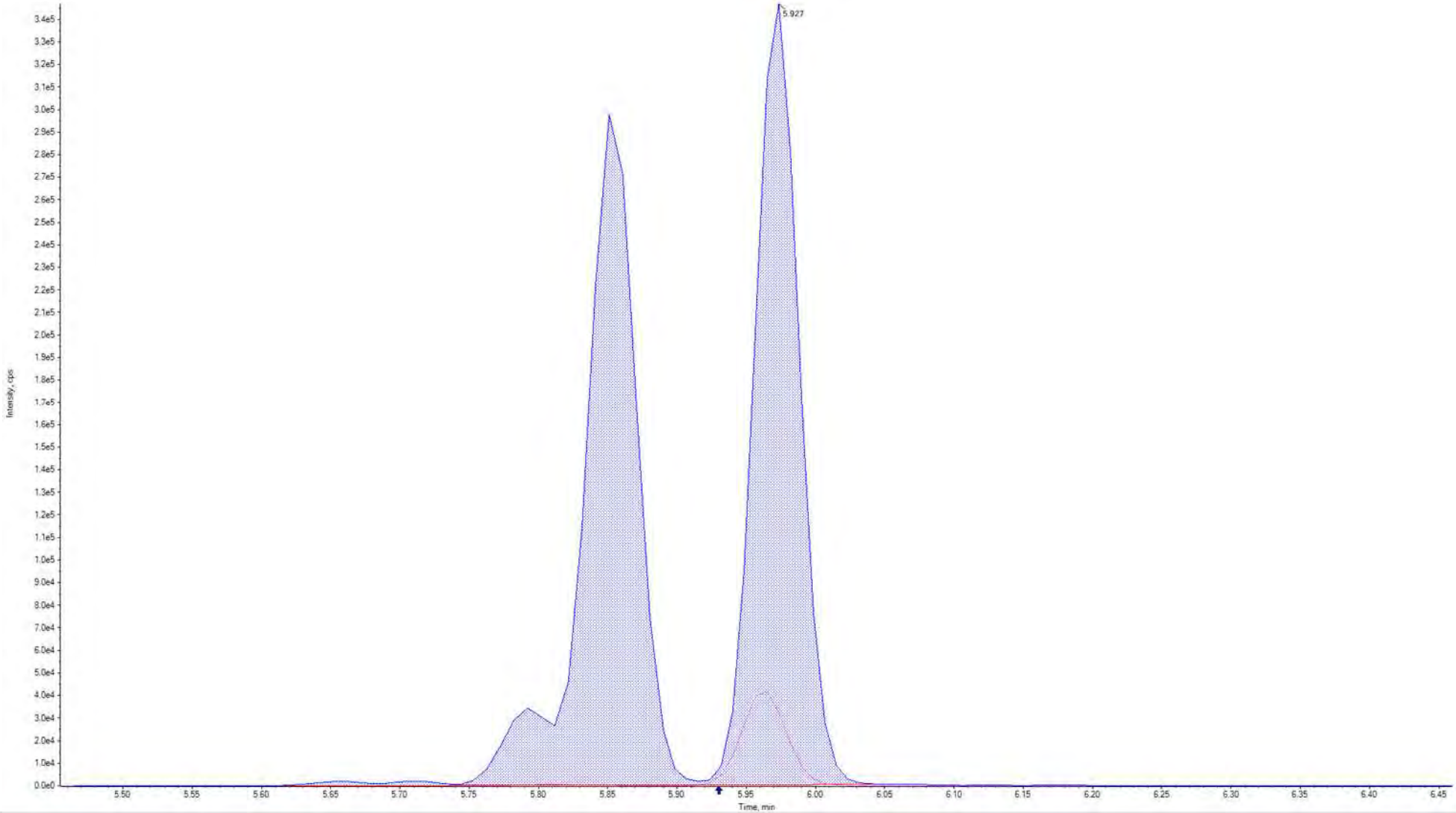
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSA
Sample: IA1633STD-25 S/N:329.7 Points Across peak:56



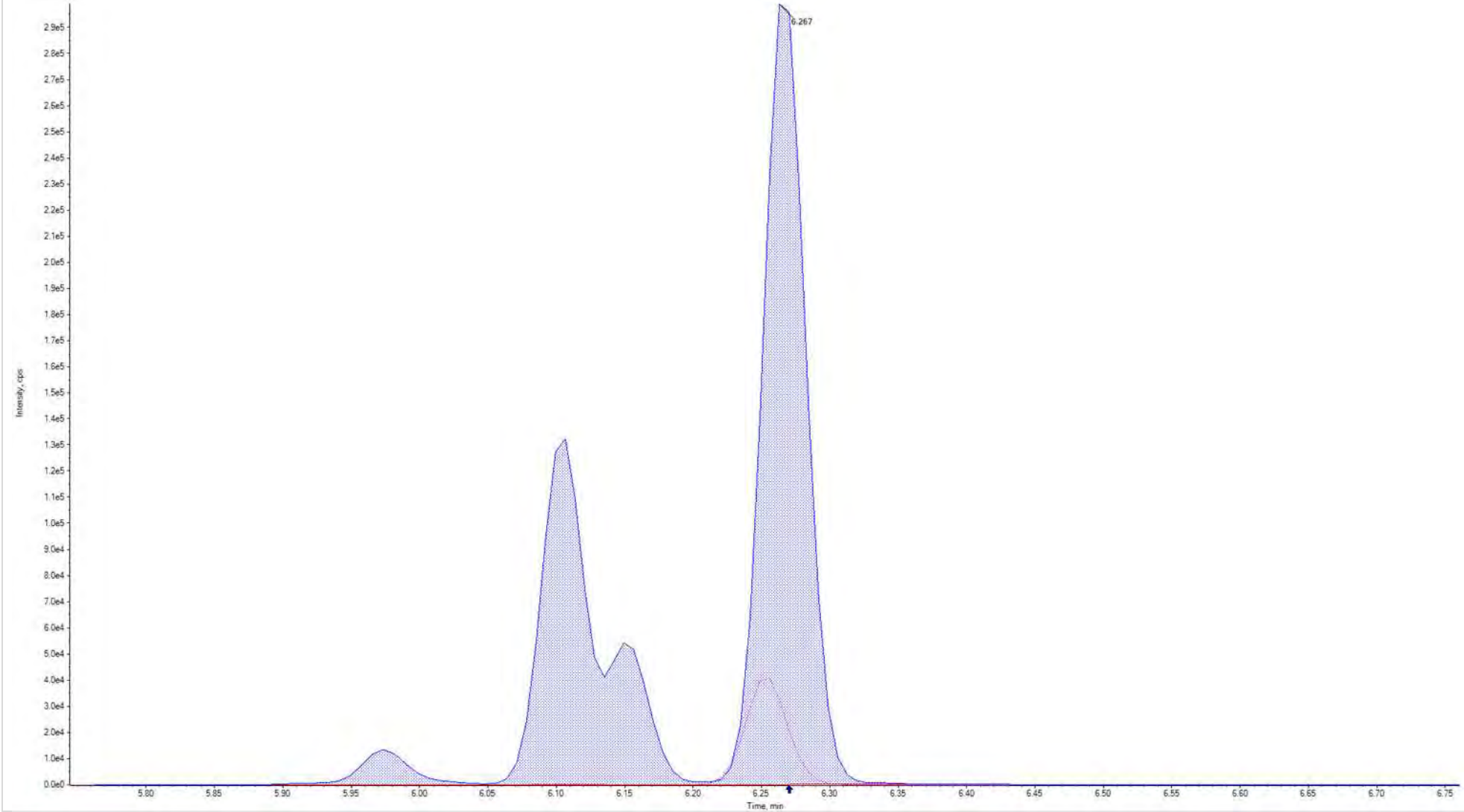
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSA_2
Sample: IA1633STD-25 S/N:278.7 Points Across peak:53



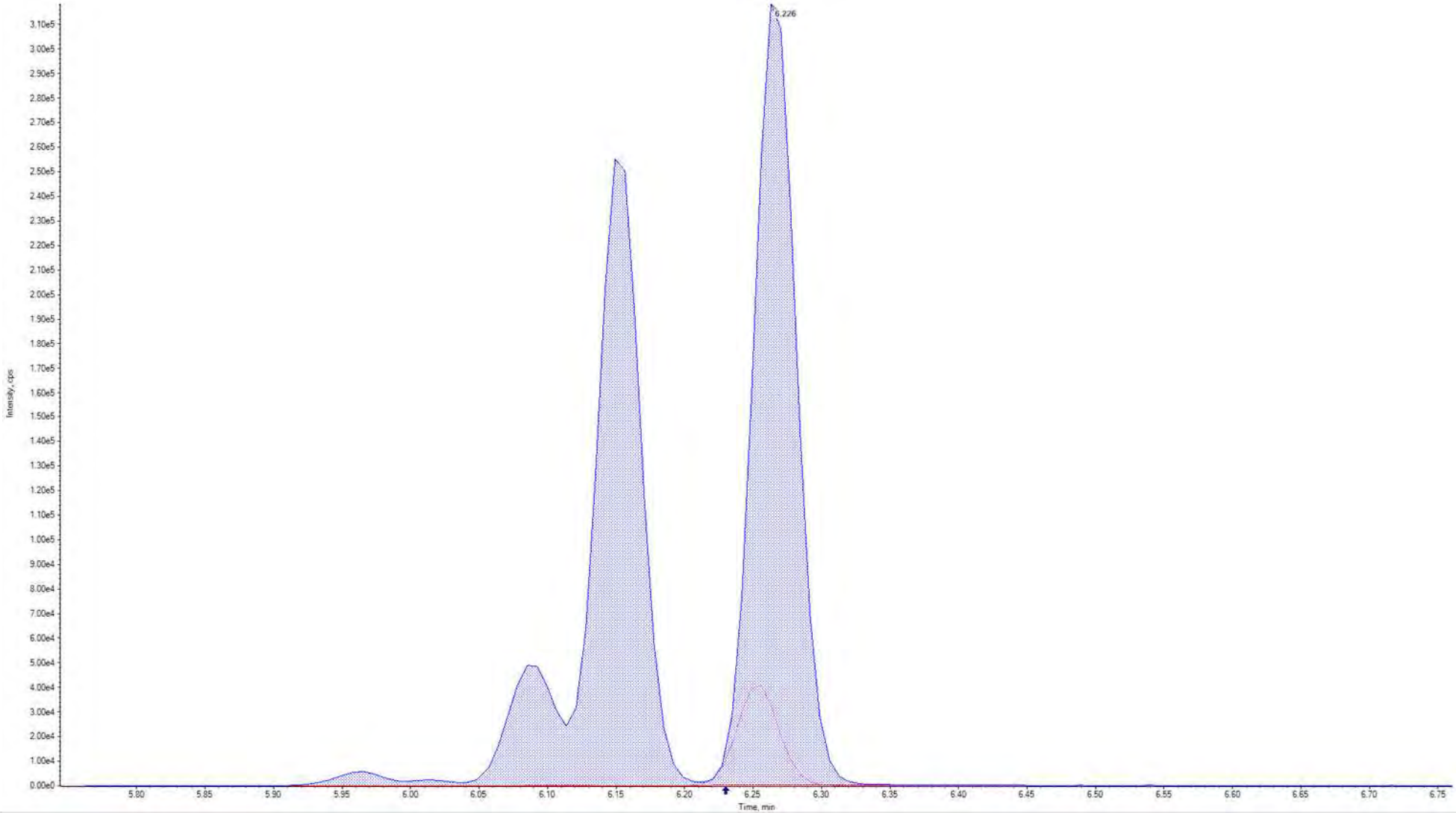
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSA
Sample: IA1633STD-25 S/N:680.1 Points Across peak:74



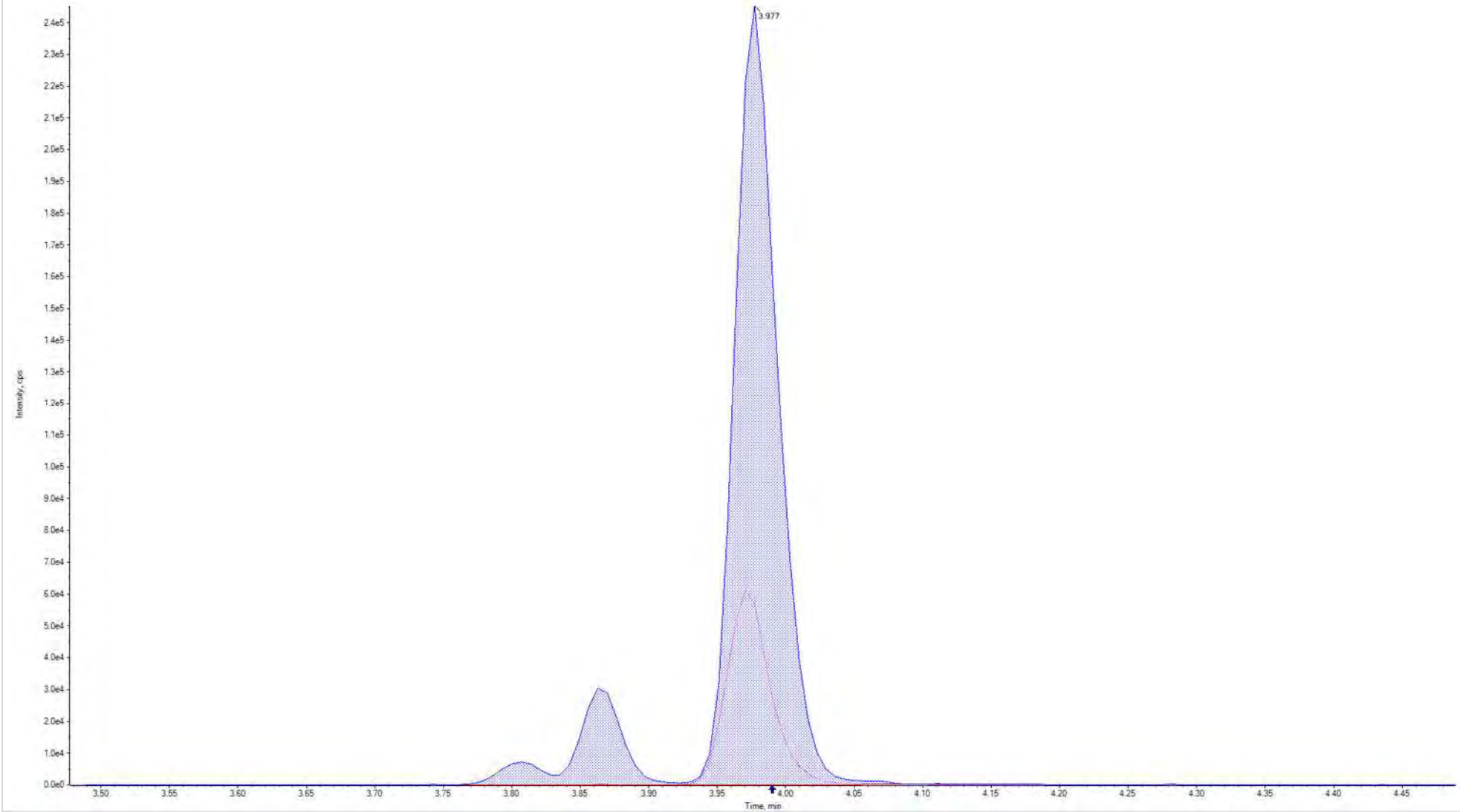
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSA_2
Sample: IA1633STD-25 S/N:746.8 Points Across peak:70



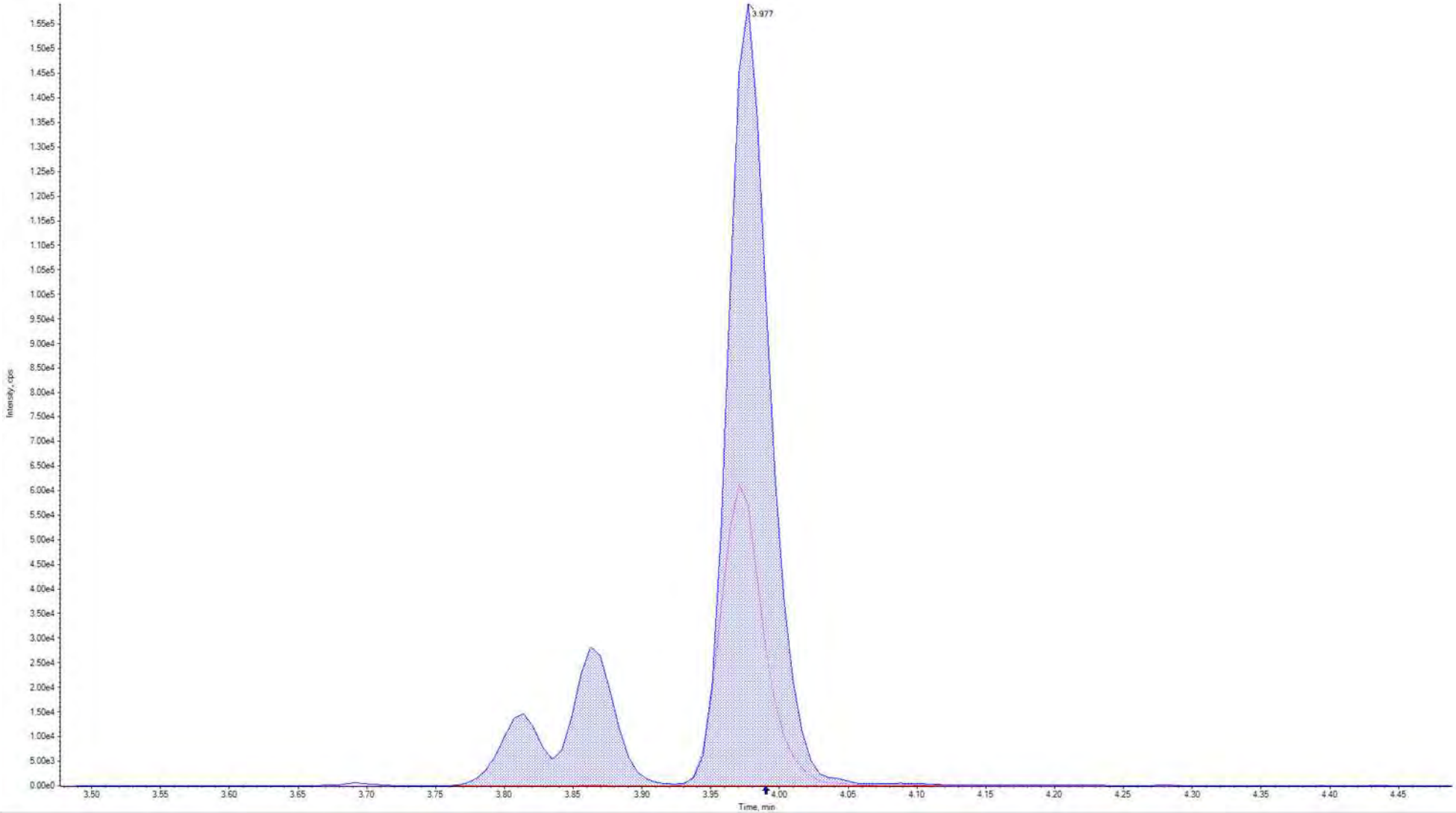
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSAA
Sample: IA1633STD-25 S/N:823.7 Points Across peak:57



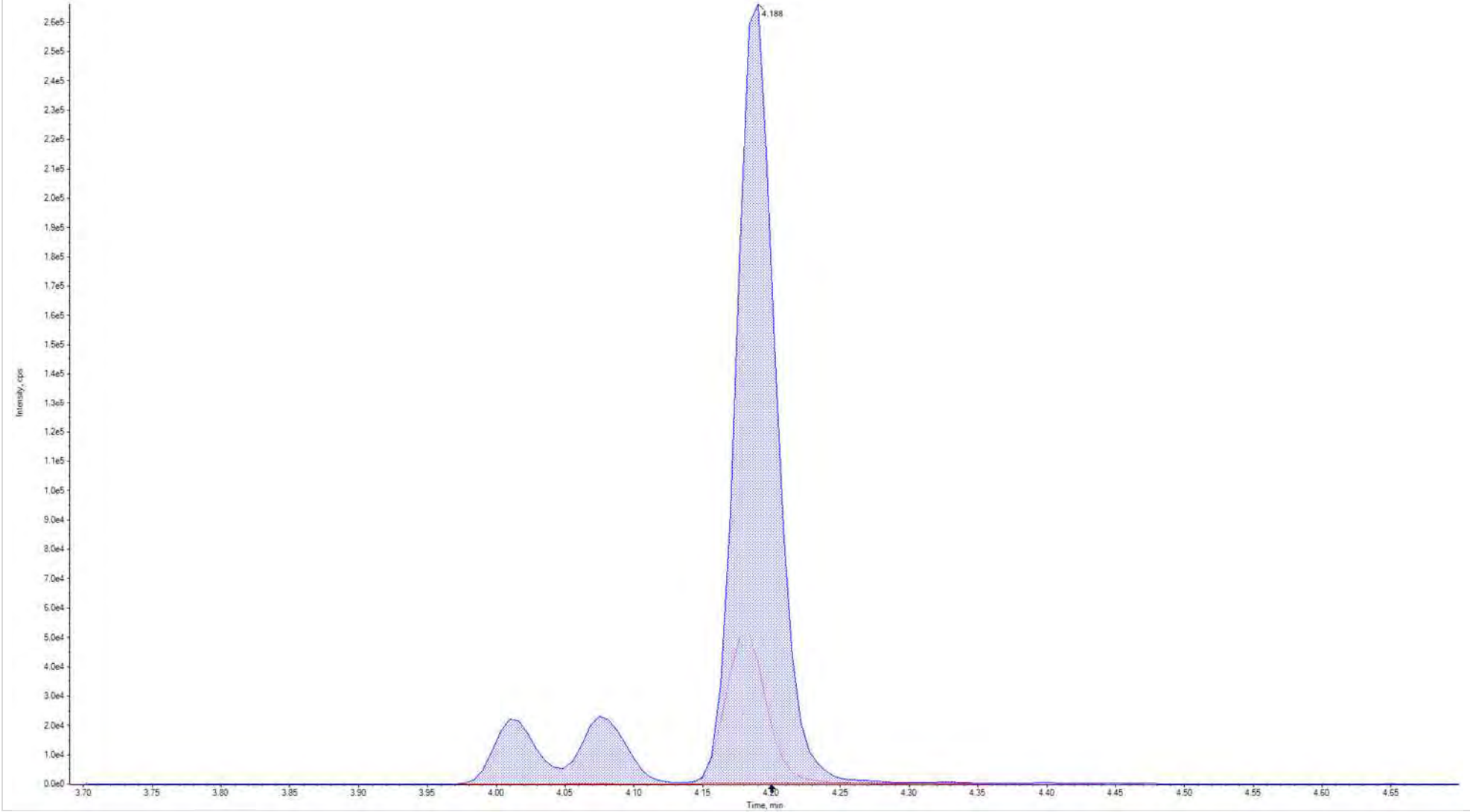
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSAA_2
Sample: IA1633STD-25 S/N:490.5 Points Across peak:60



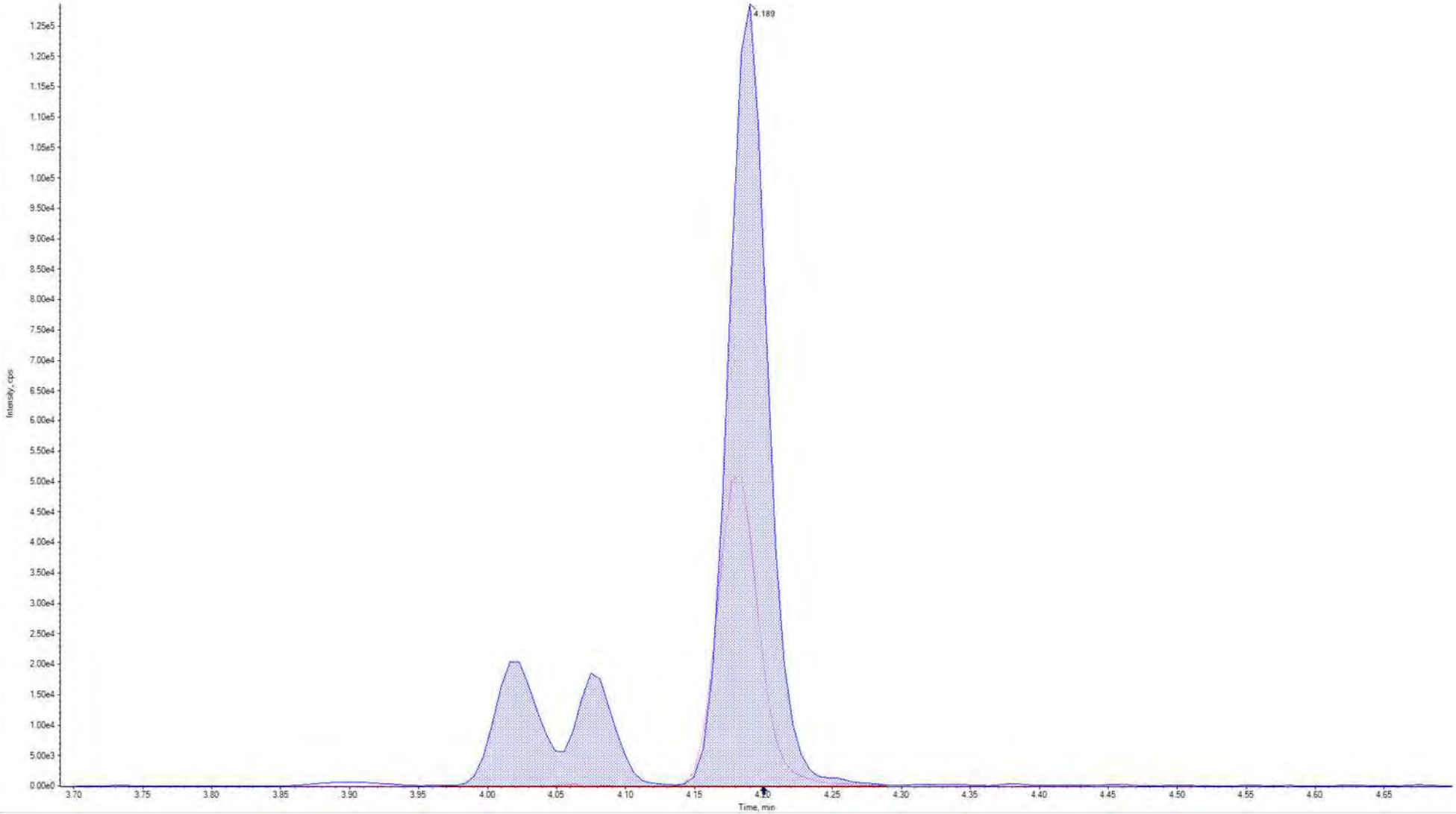
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSAA
Sample: IA1633STD-25 S/N:694.6 Points Across peak:63



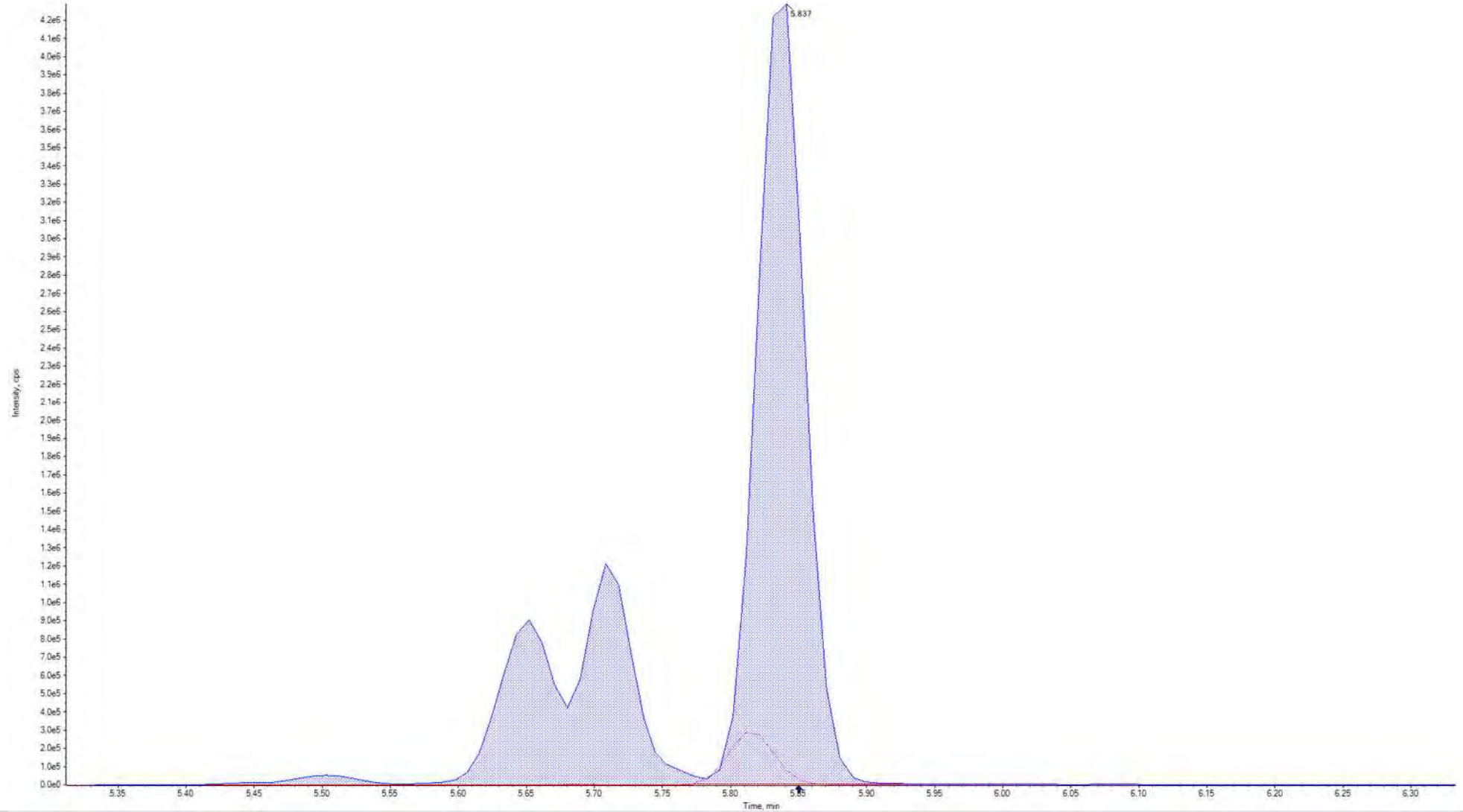
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSAA_2
Sample: IA1633STD-25 S/N:424.5 Points Across peak:52



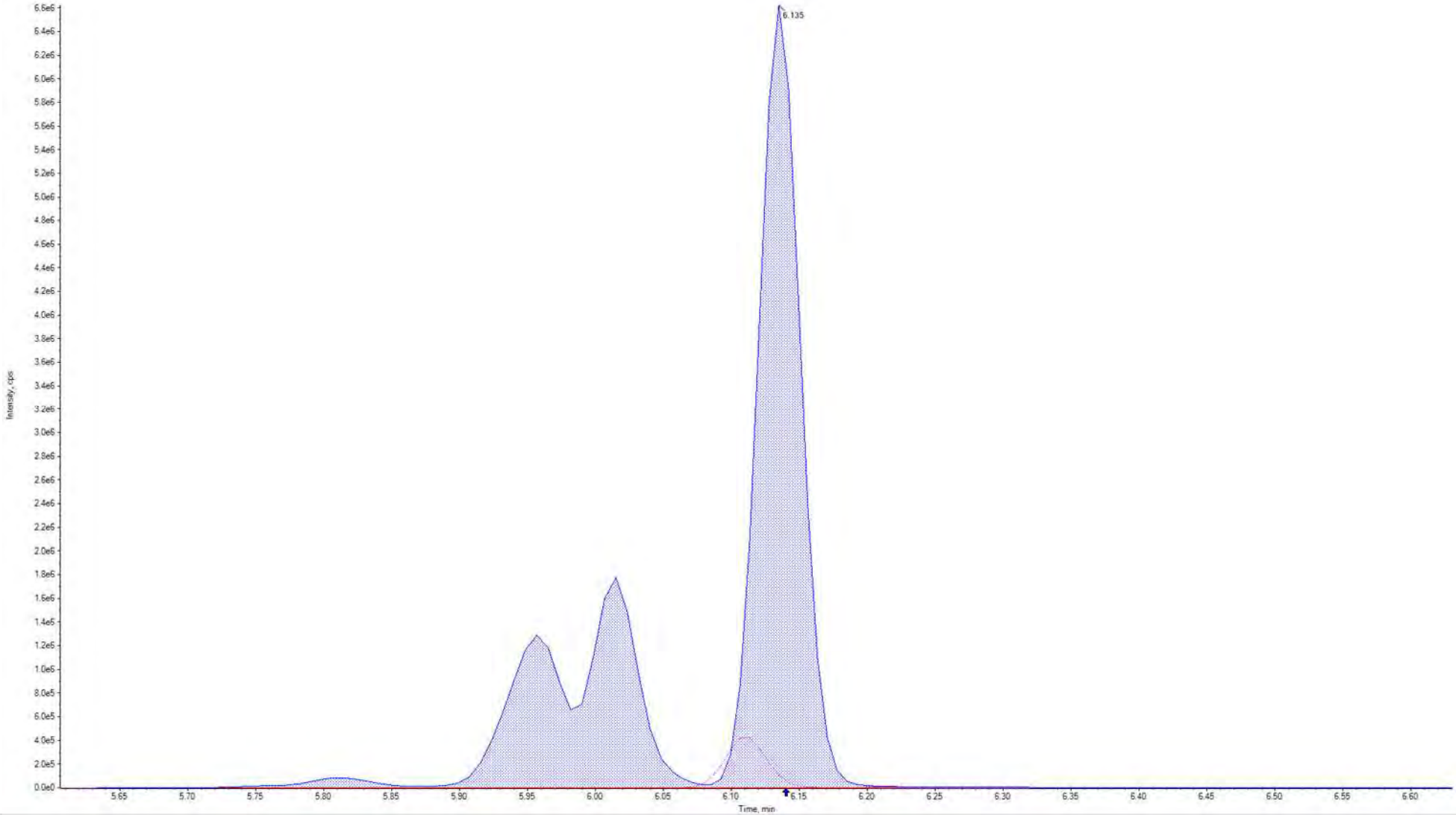
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSE
Sample: IA1633STD-25 S/N:223.4 Points Across peak:66



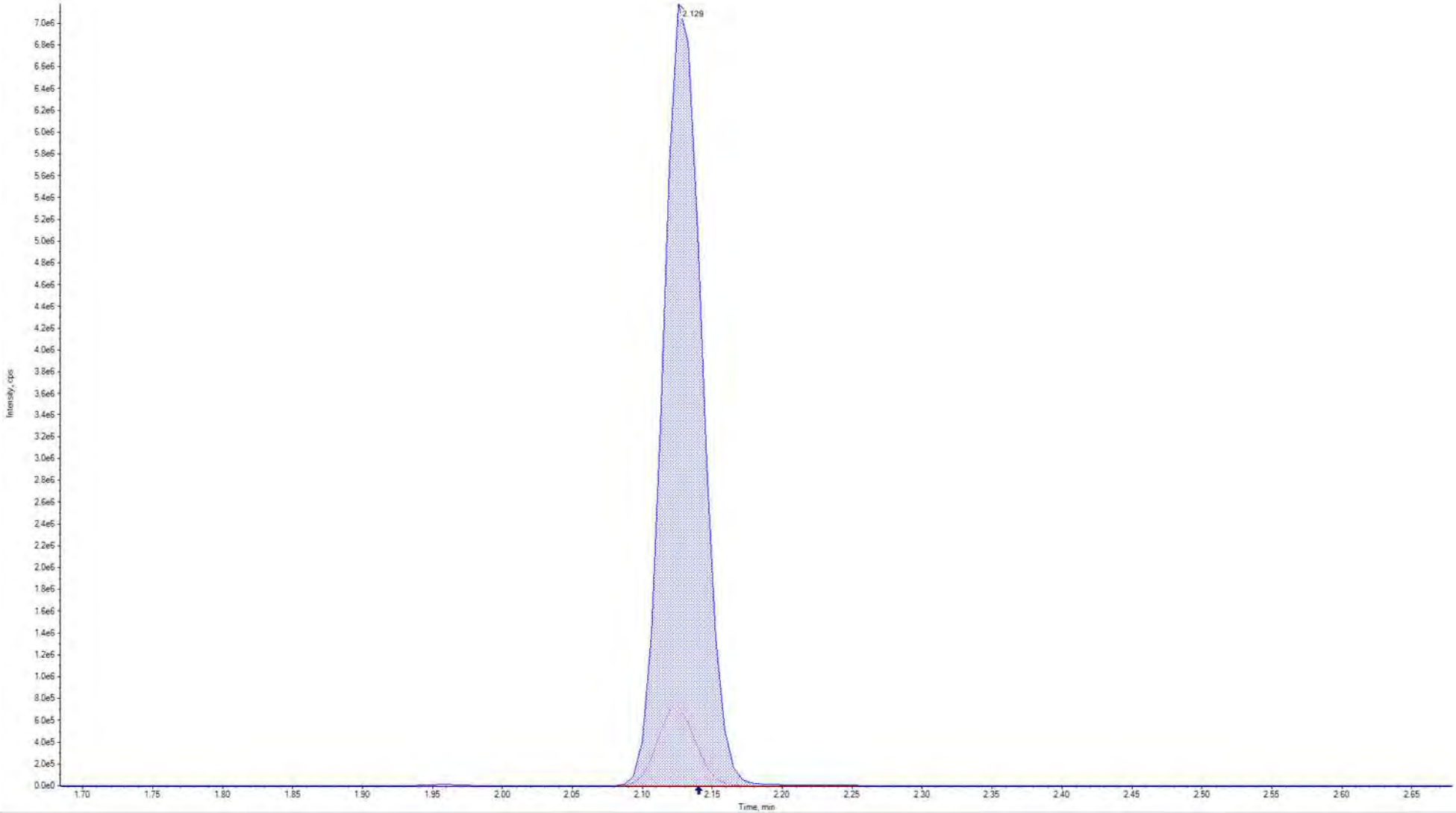
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSE
Sample: IA1633STD-25 S/N:411.7 Points Across peak:73



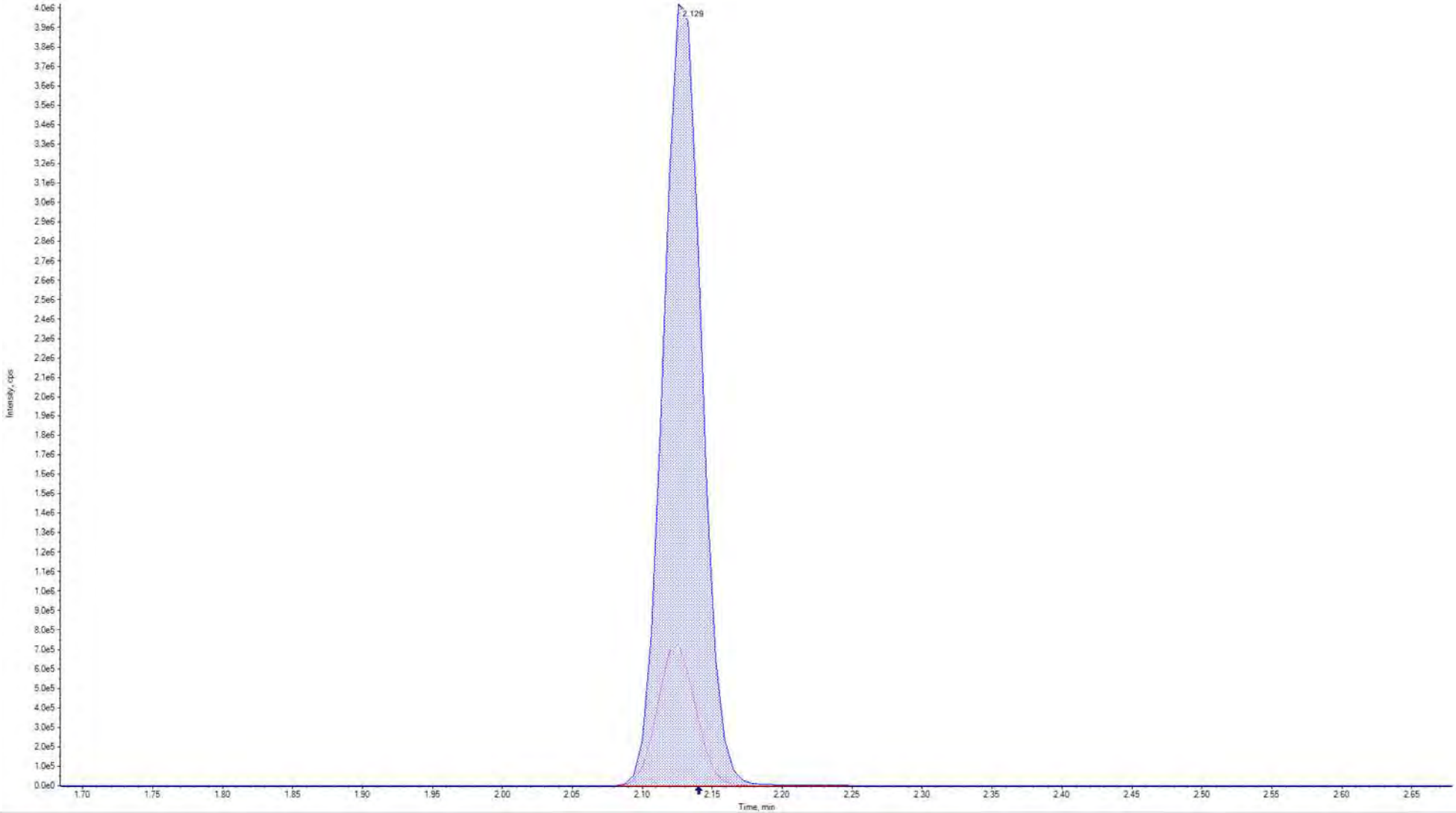
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

HFPO-DA
Sample: IA1633STD-25 S/N:161897.2 Points Across peak:32



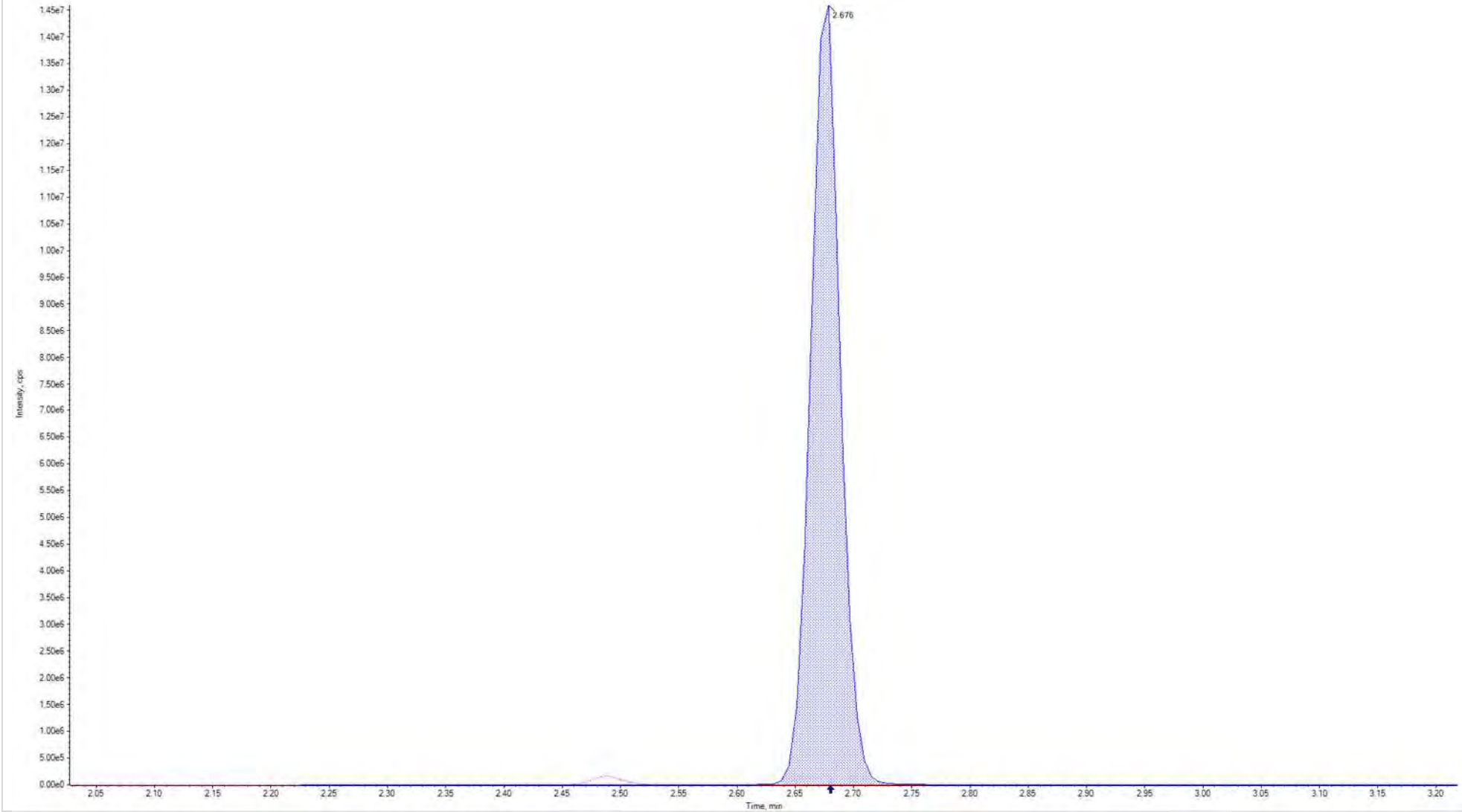
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

HFPO-DA_2
Sample: IA1633STD-25 S/N:90707.8 Points Across peak:32



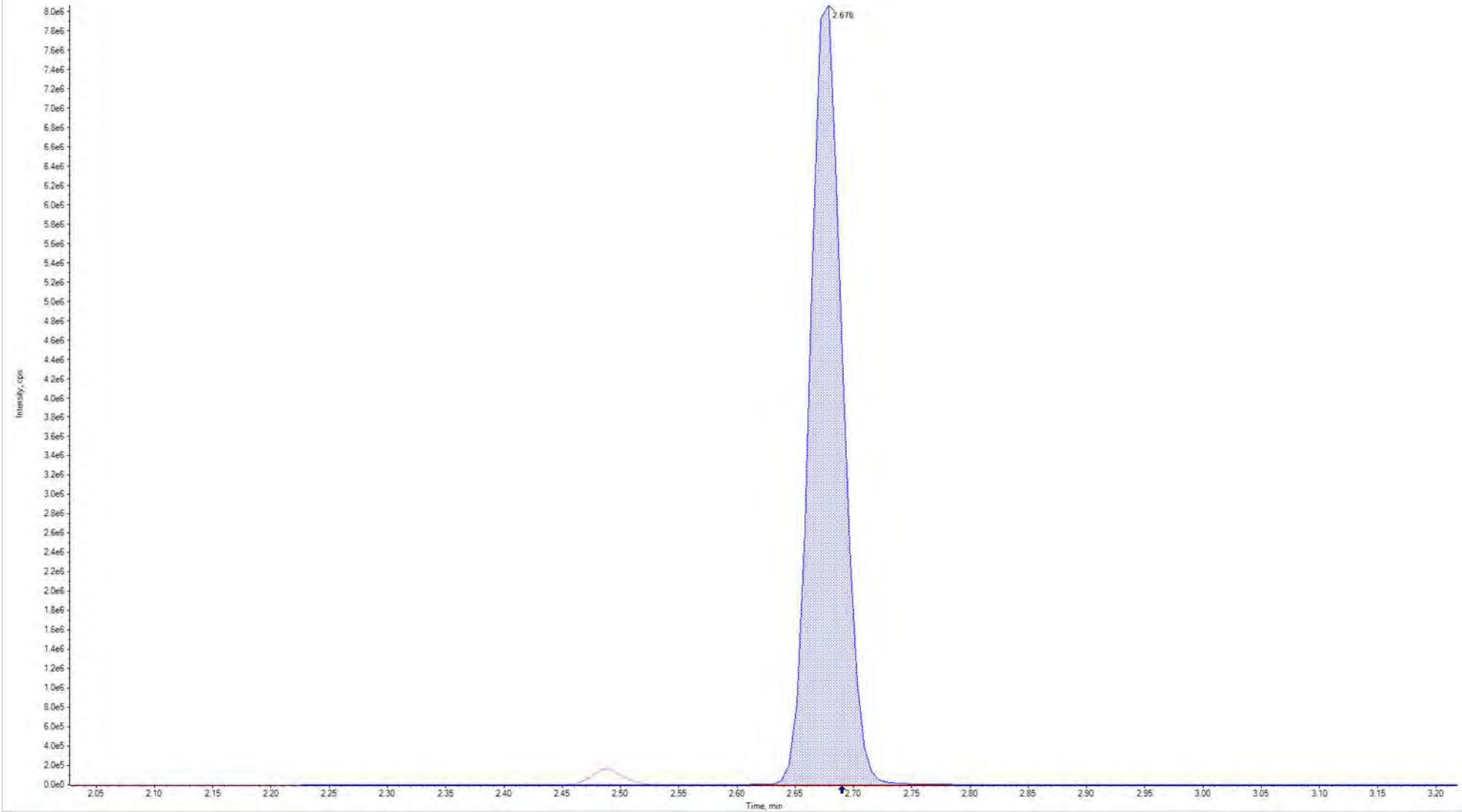
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

ADONA
Sample: IA1633STD-25 S/N:130003.1 Points Across peak:36



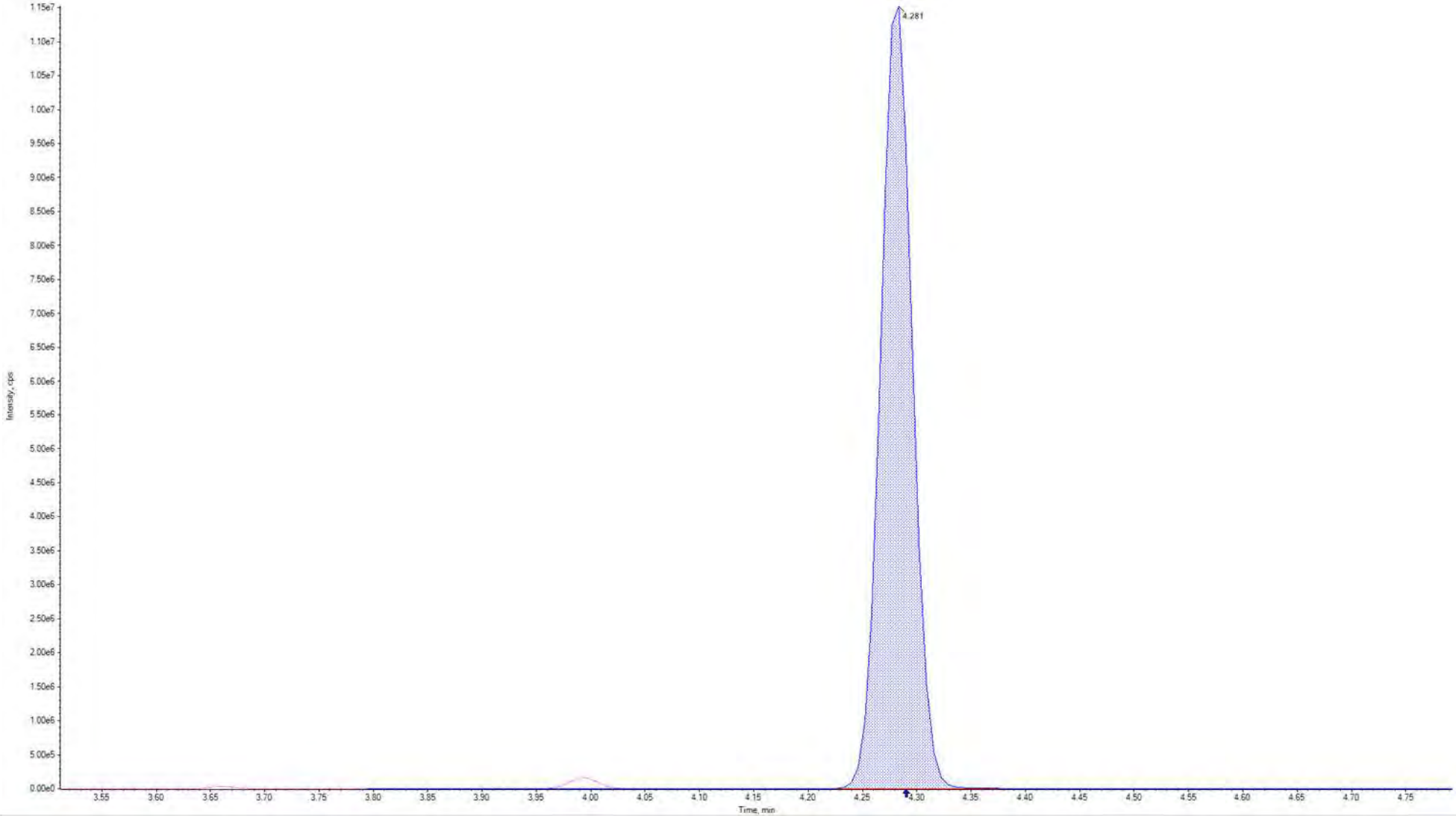
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

ADONA_2
Sample: IA1633STD-25 S/N:161722.5 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\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

9Cl-PF3ONS
Sample: IA1633STD-25 S/N:7679.6 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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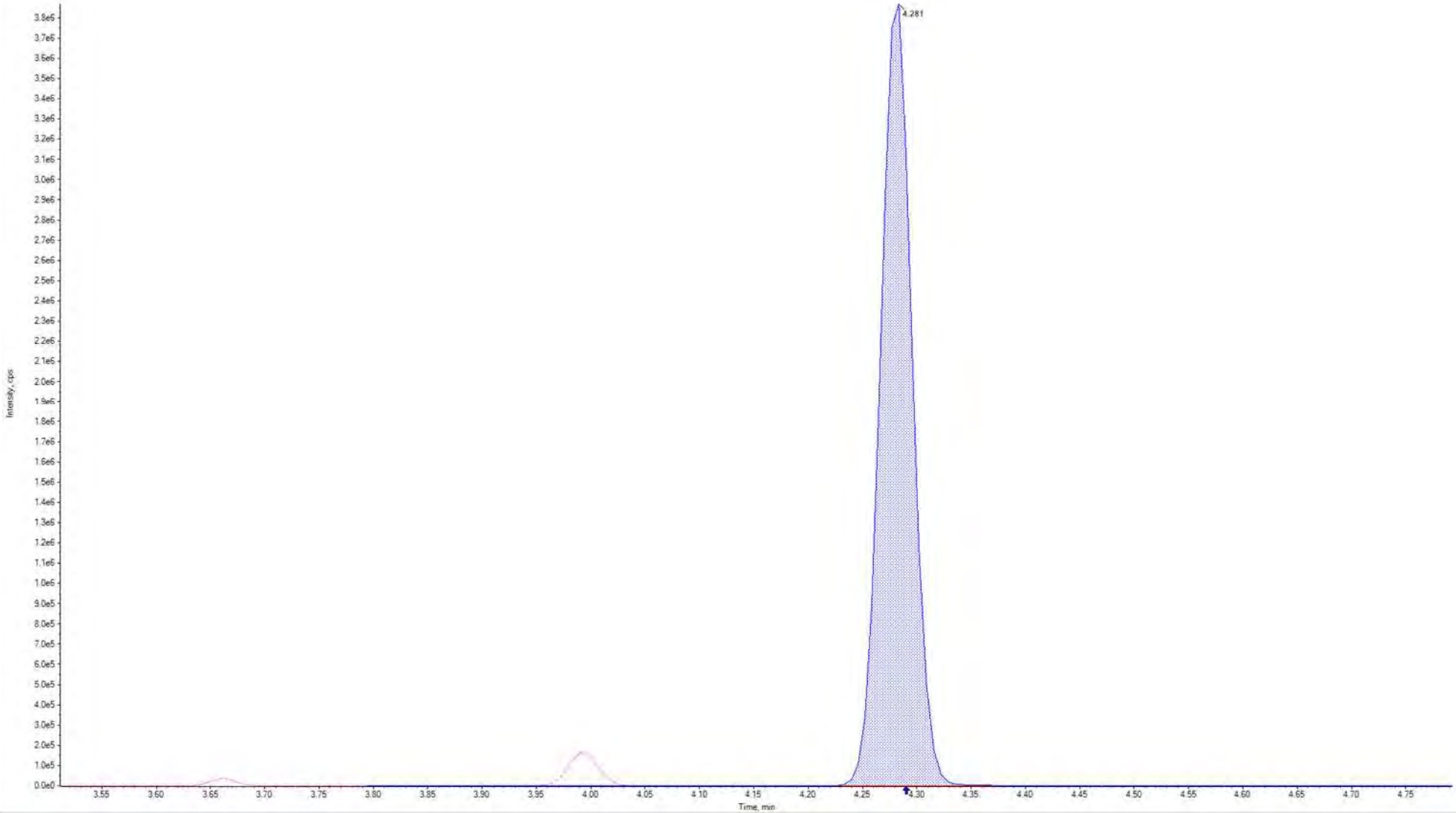
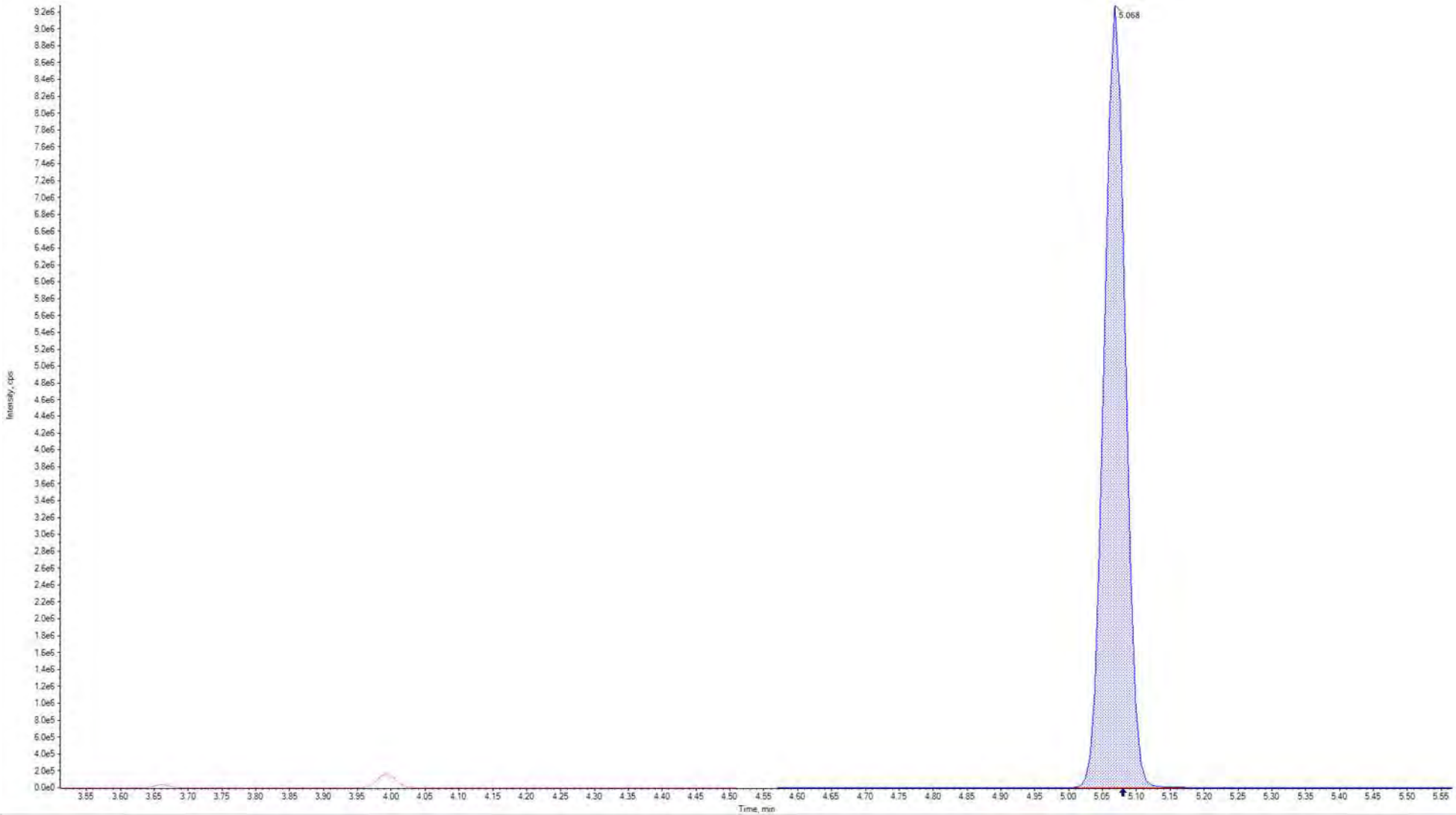
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

9Cl-PF3ONS_2
Sample: IA1633STD-25 S/N:87281.6 Points Across peak:32



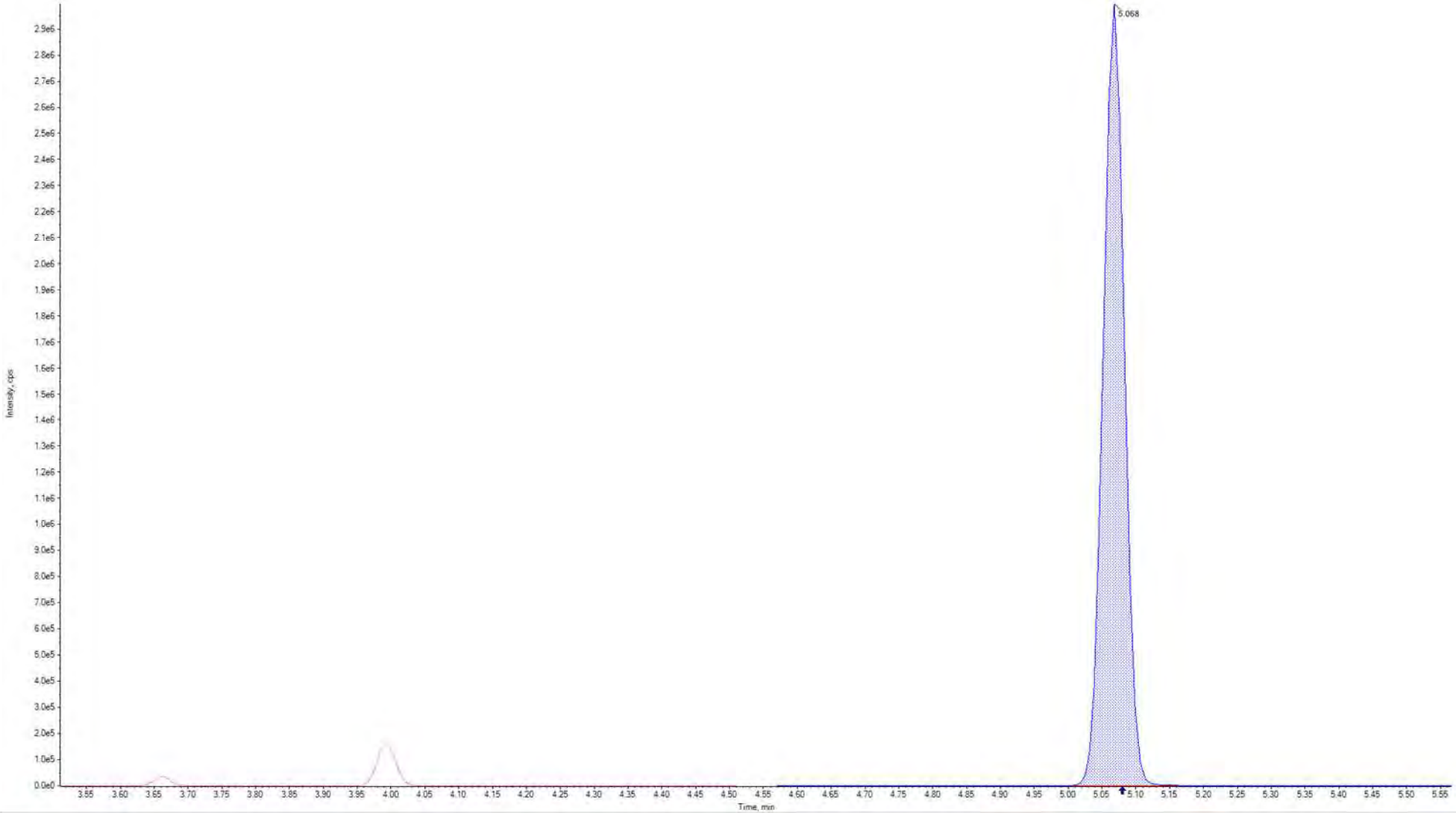
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

11Cl-PF3OUdS
Sample: IA1633STD-25 S/N:6638.3 Points Across peak:30



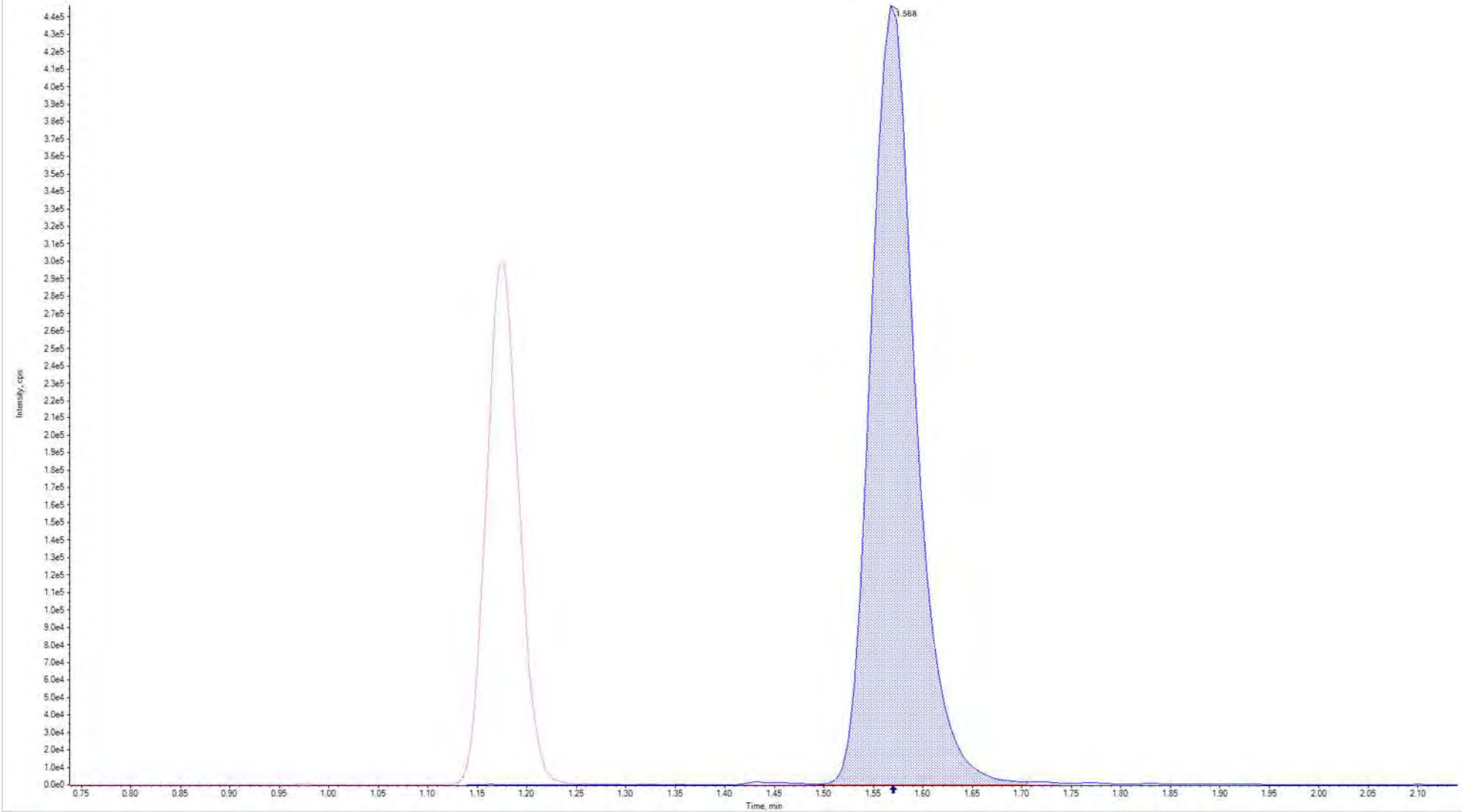
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-25 S/N:142684.5 Points Across peak:40



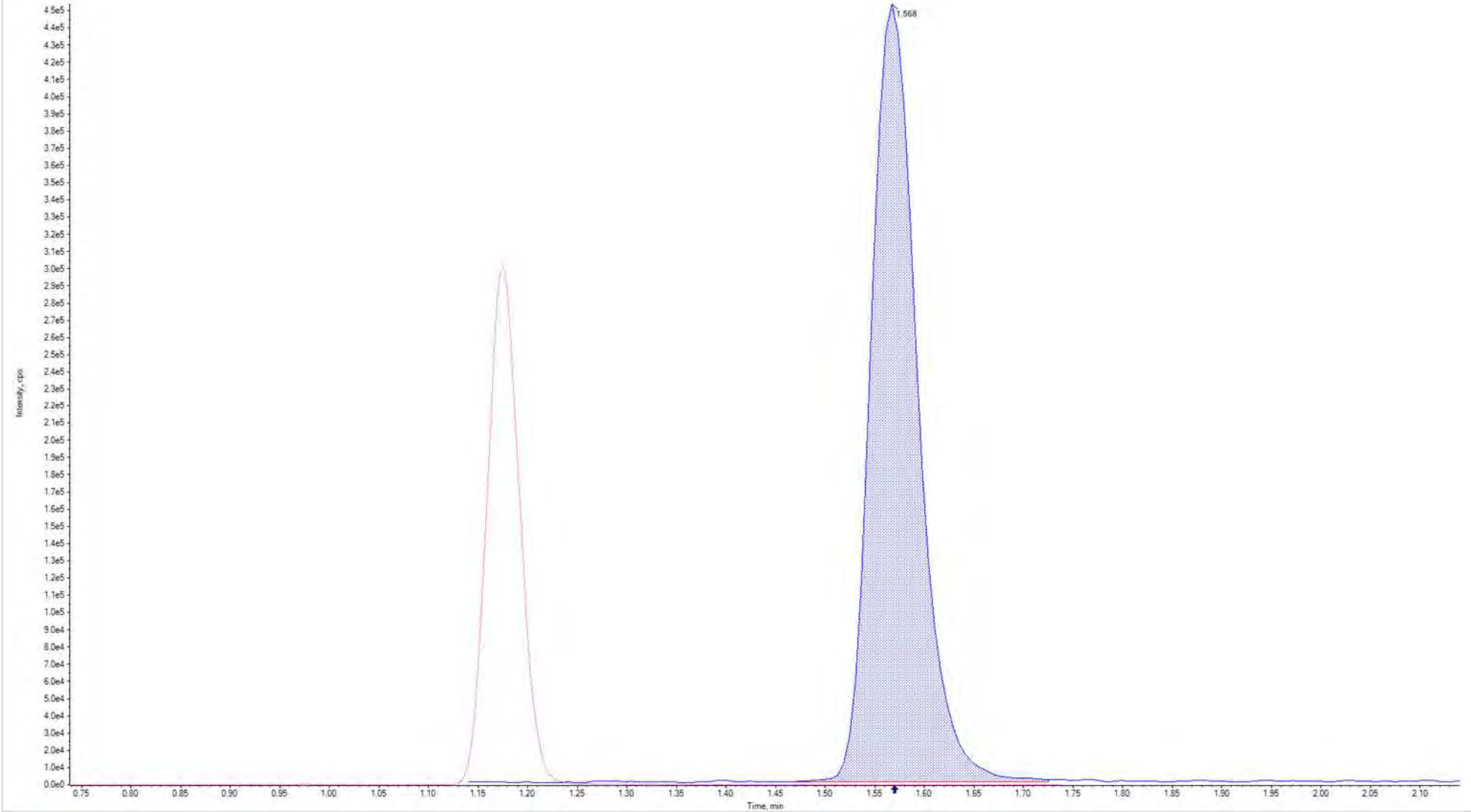
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

3:3FTCA
Sample: IA1633STD-25 S/N:3070.7 Points Across peak:35



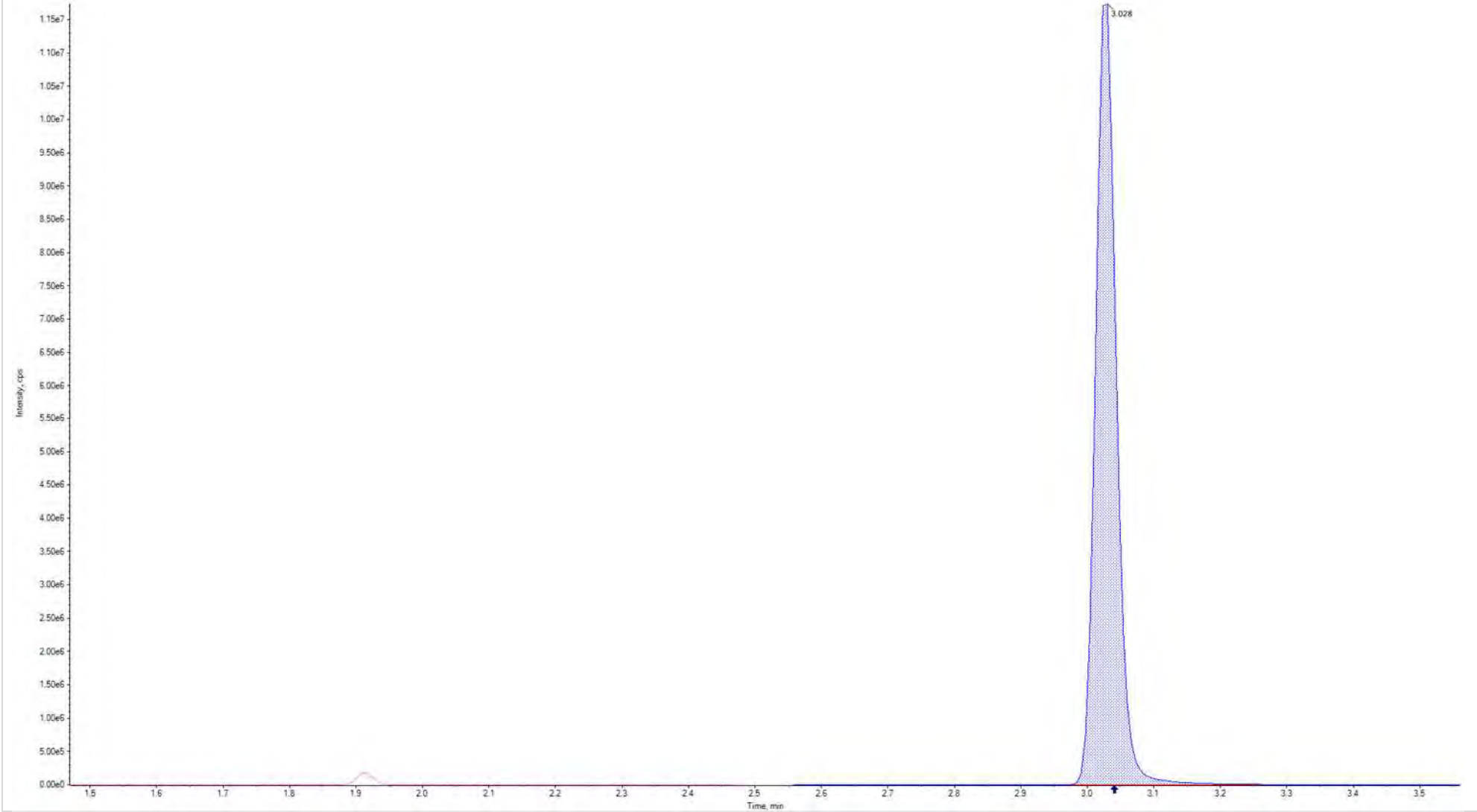
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

3:3FTCA_2
Sample: IA1633STD-25 S/N:1422.7 Points Across peak:43



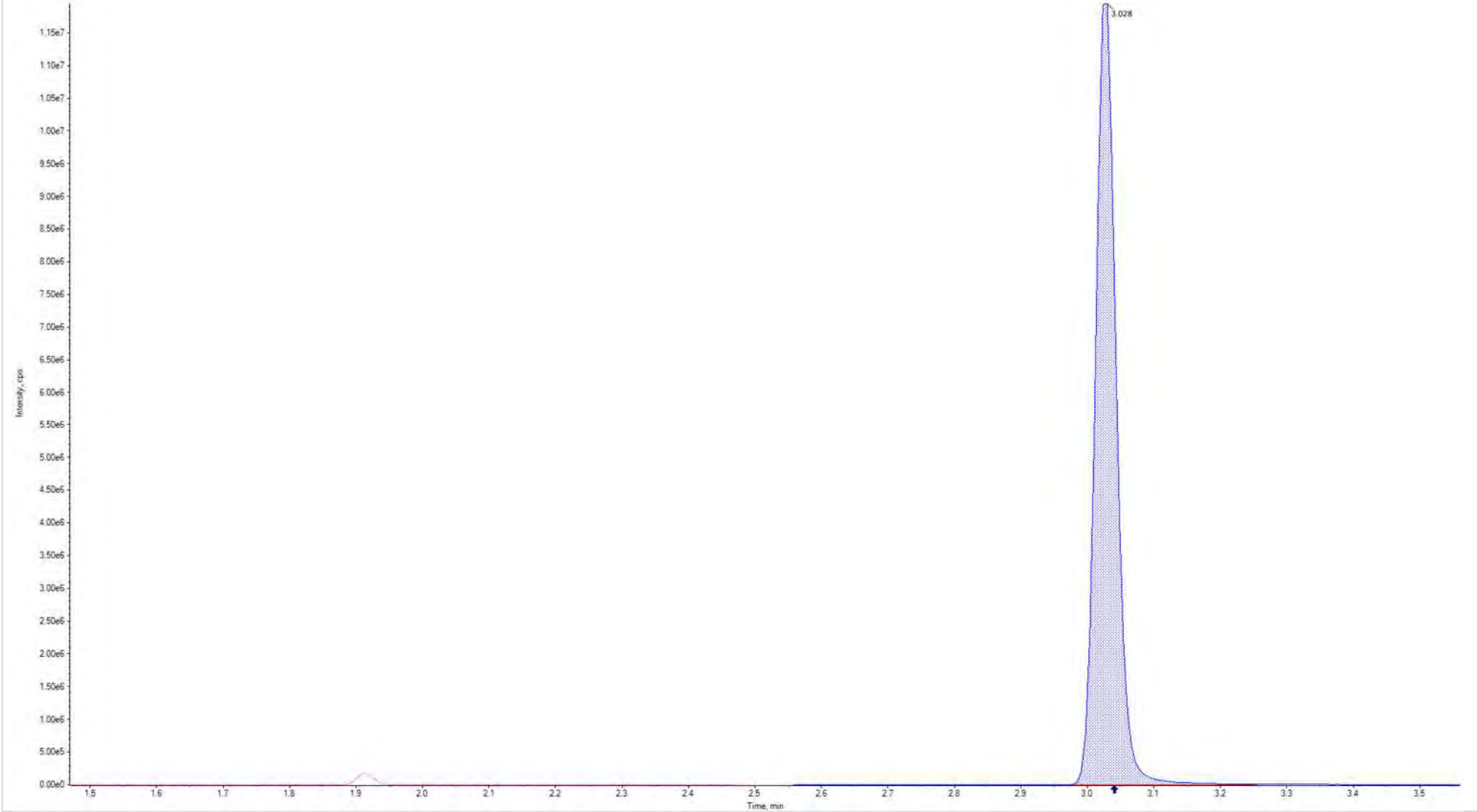
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

5:3FTCA
Sample: IA1633STD-25 S/N:260743.8 Points Across peak:57



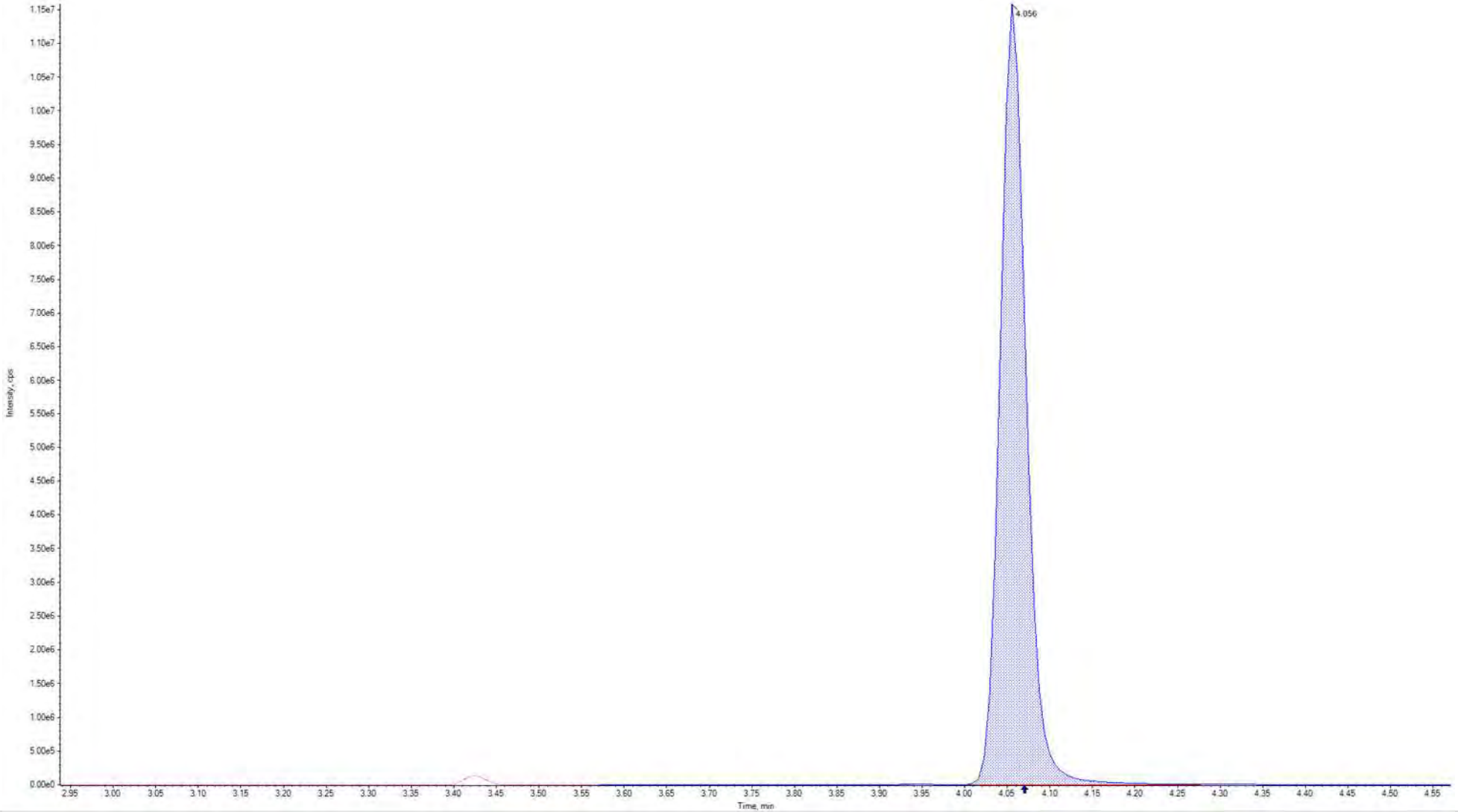
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

5:3FTCA_2
Sample: IA1633STD-25 S/N:10624.7 Points Across peak:52



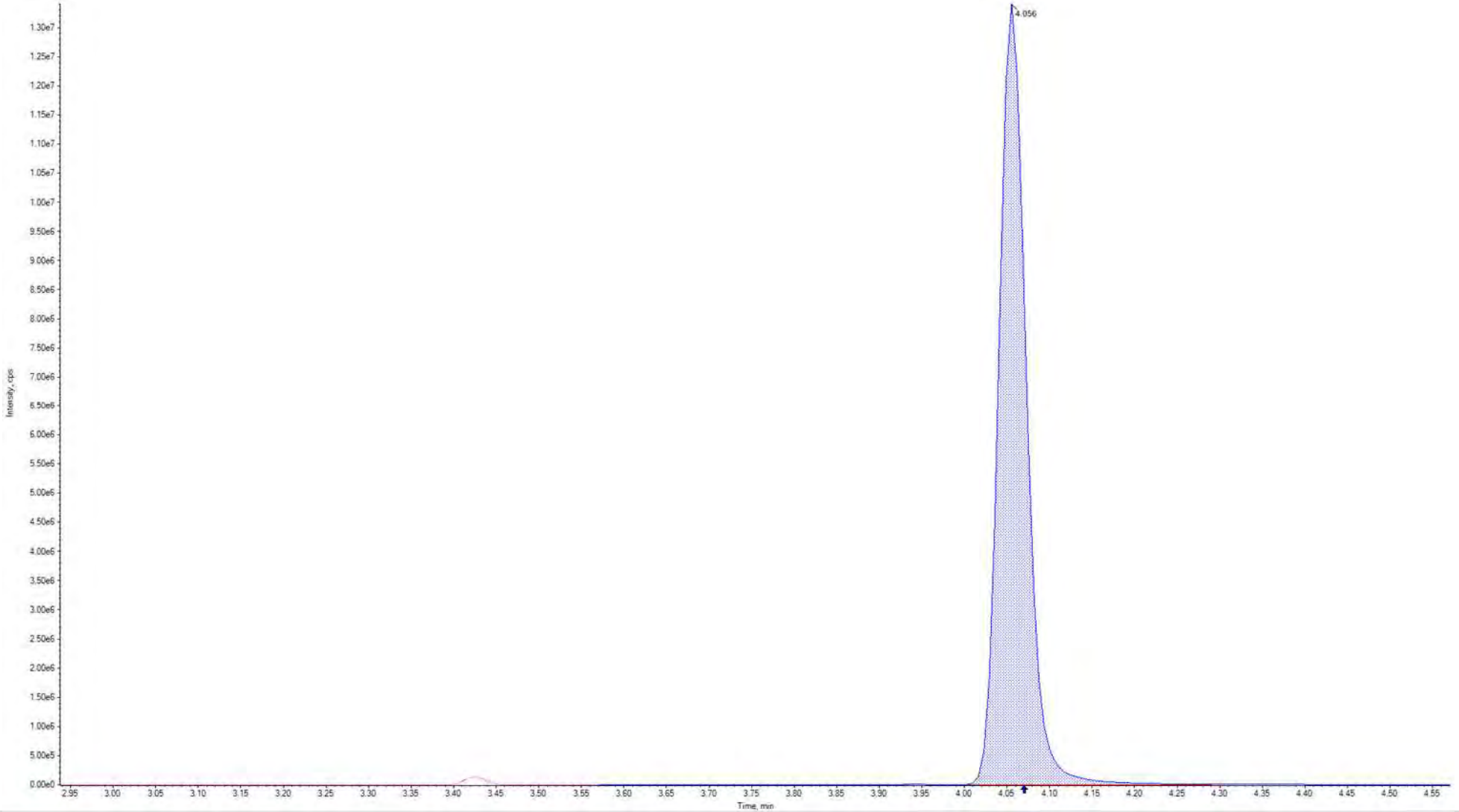
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

7:3FTCA
Sample: IA1633STD-25 S/N:30004.9 Points Across peak:46



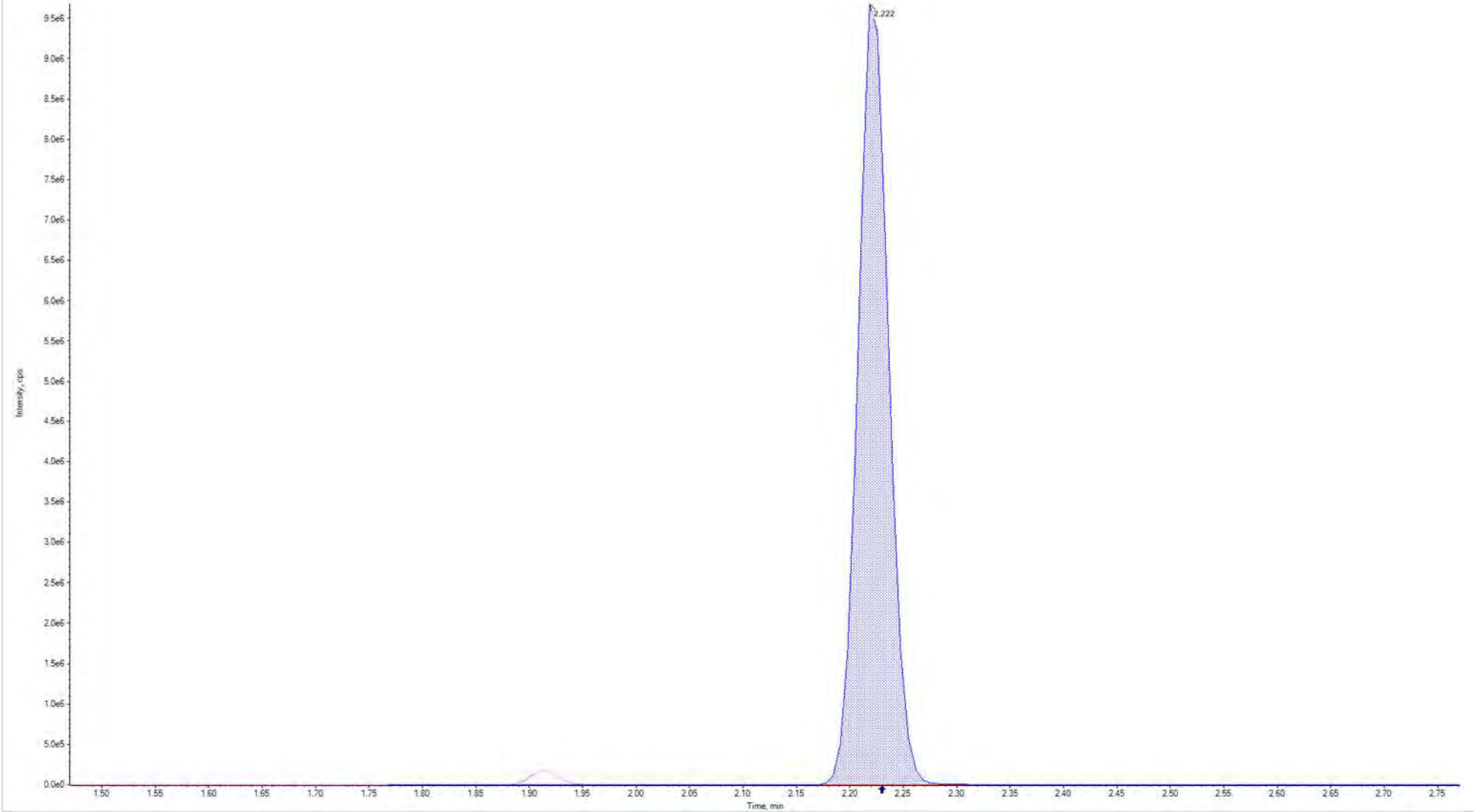
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

7:3FTCA_2
Sample: IA1633STD-25 S/N:26206.2 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\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFEESA
Sample: IA1633STD-25 S/N:9068.9 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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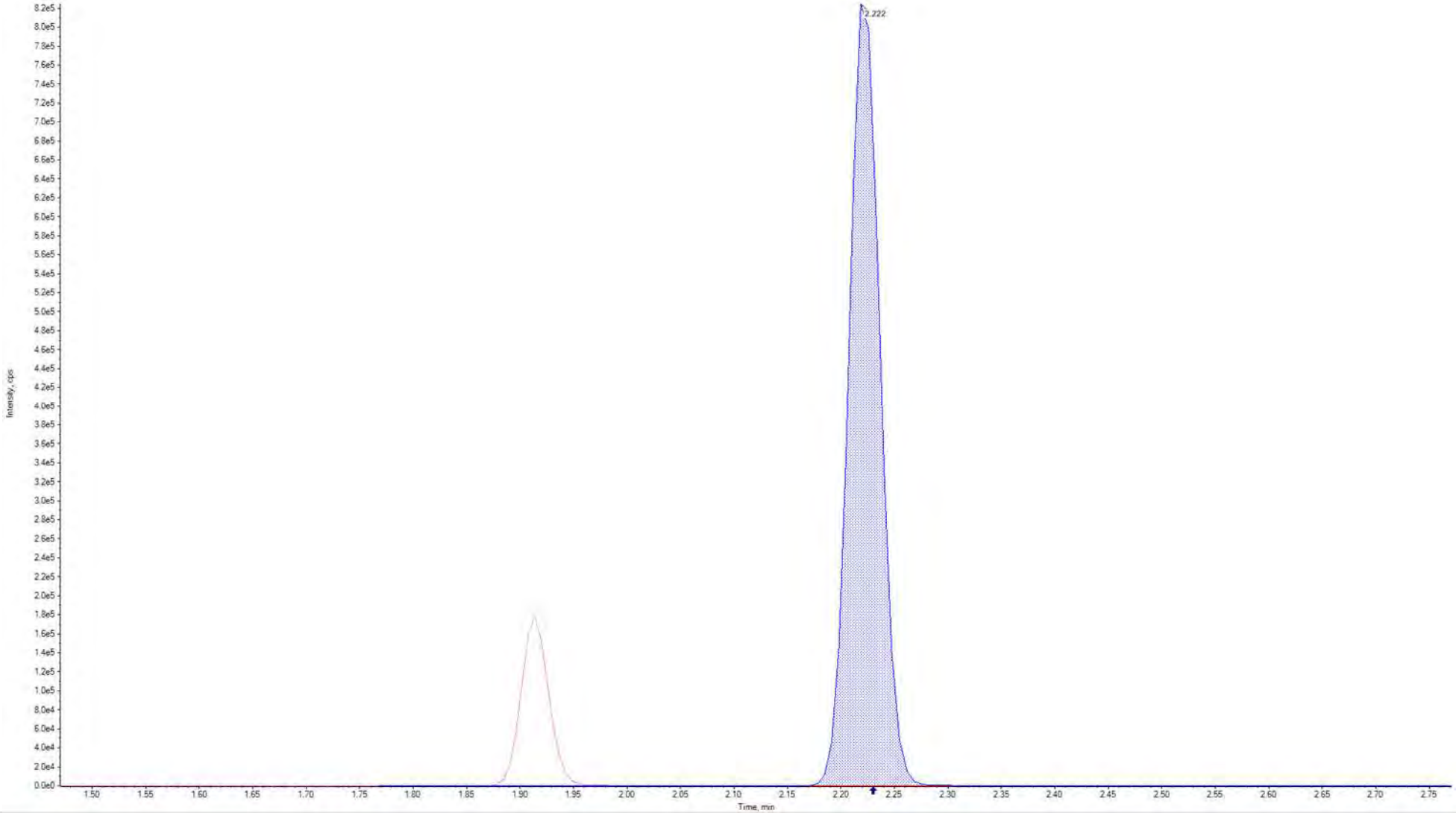
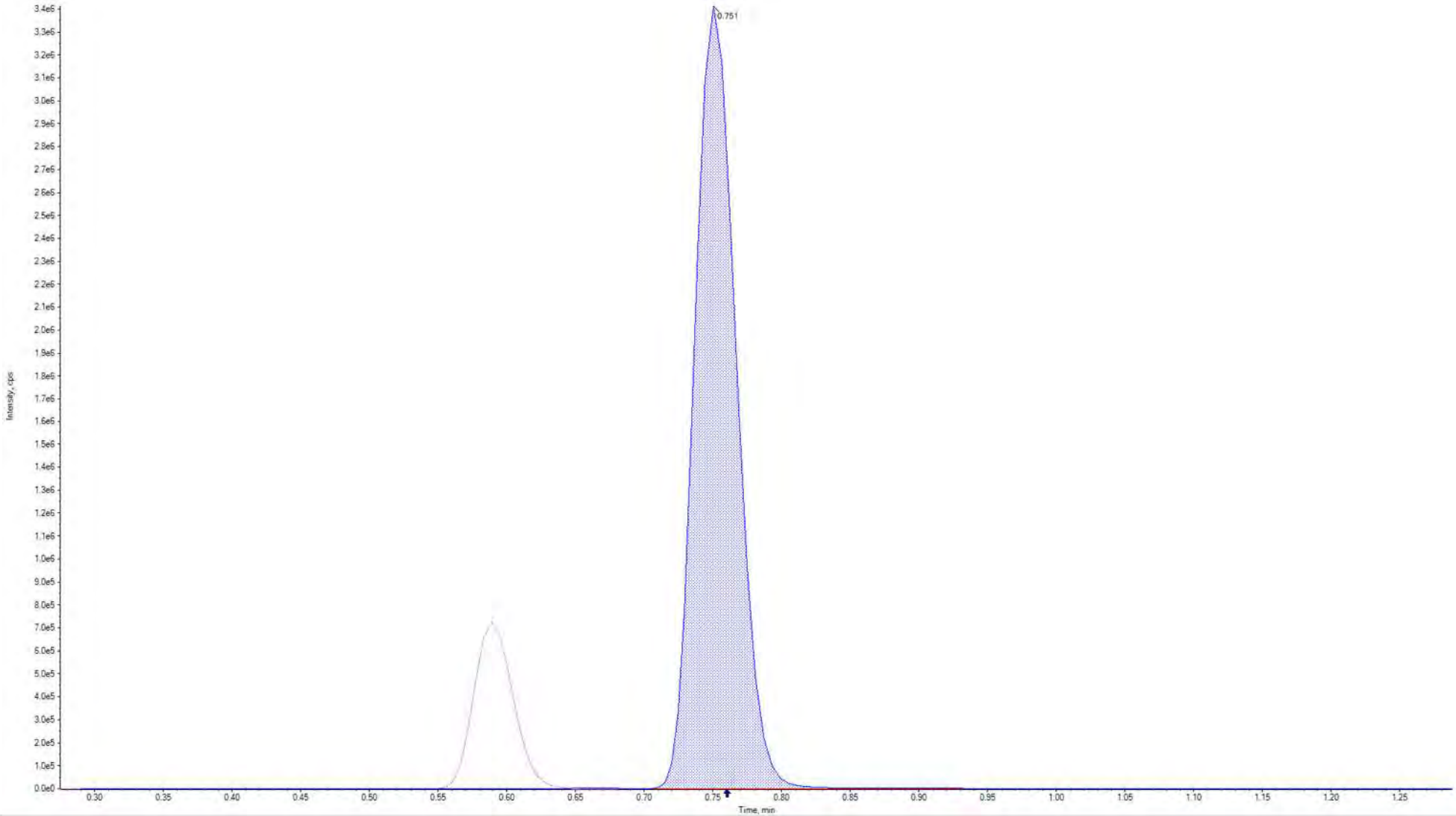
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFEESA_2
Sample: IA1633STD-25 S/N:18599.3 Points Across peak:30



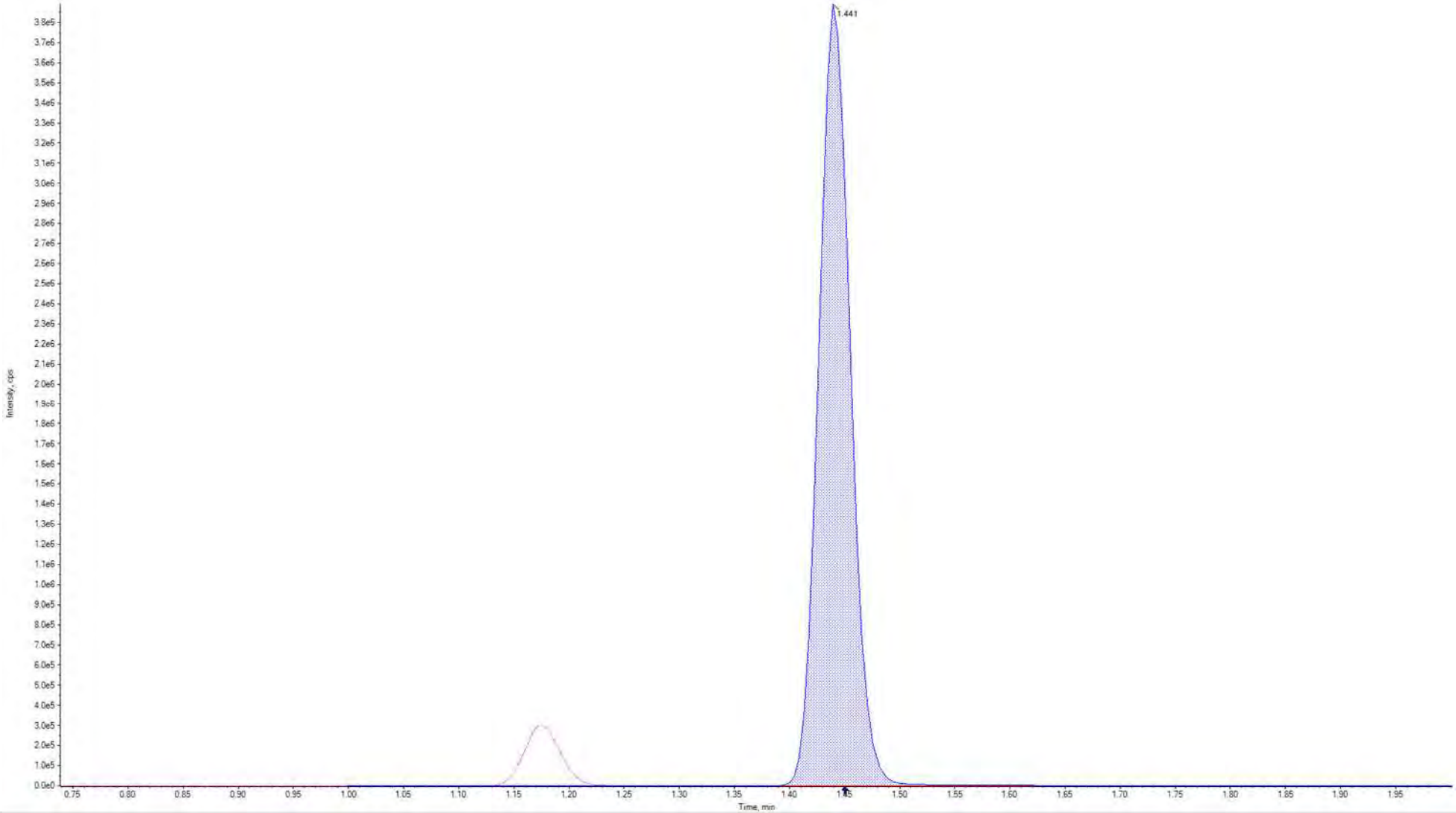
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFMPA
Sample: IA1633STD-25 S/N:30761.7 Points Across peak:49



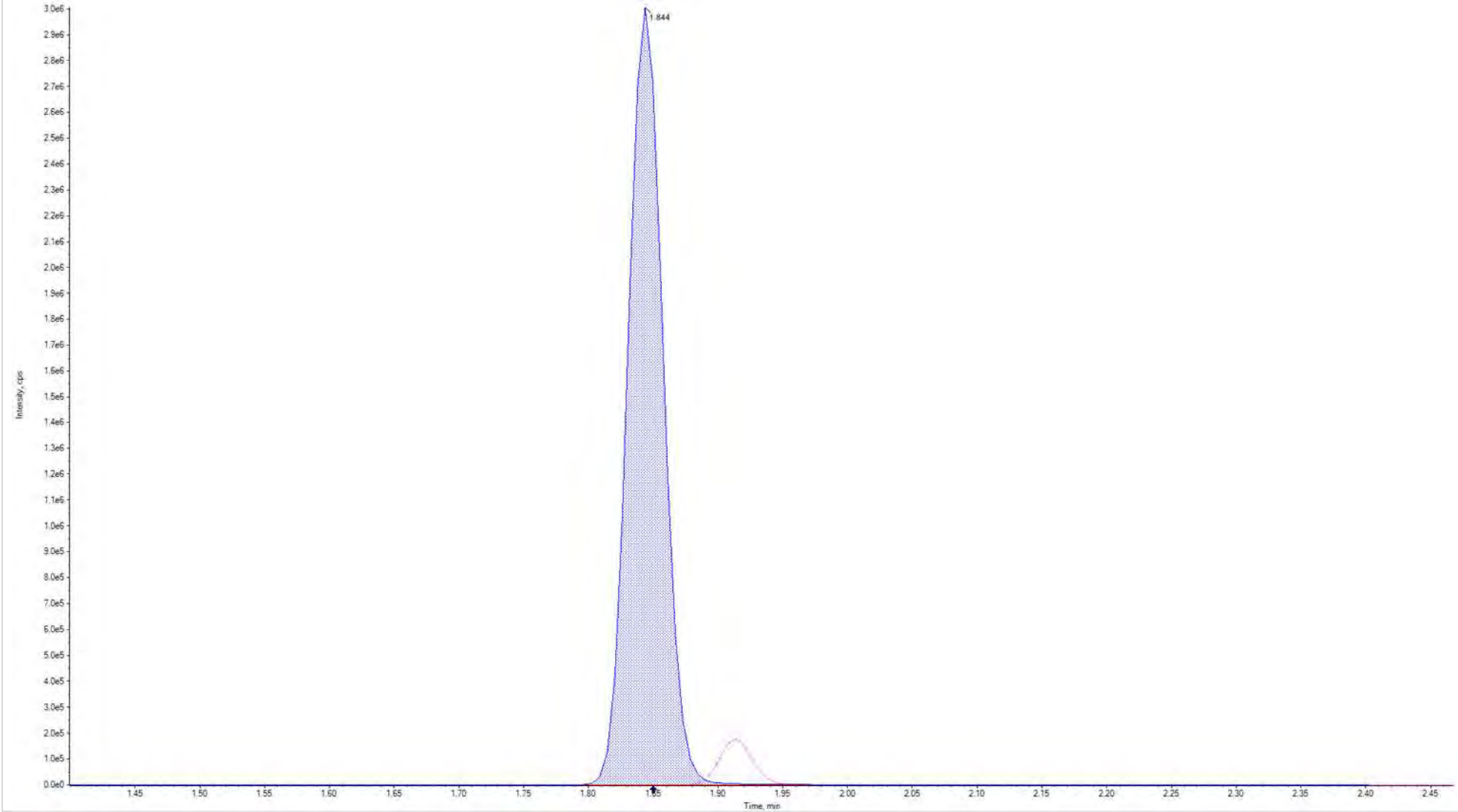
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFMBA
Sample: IA1633STD-25 S/N:41277.8 Points Across peak:56



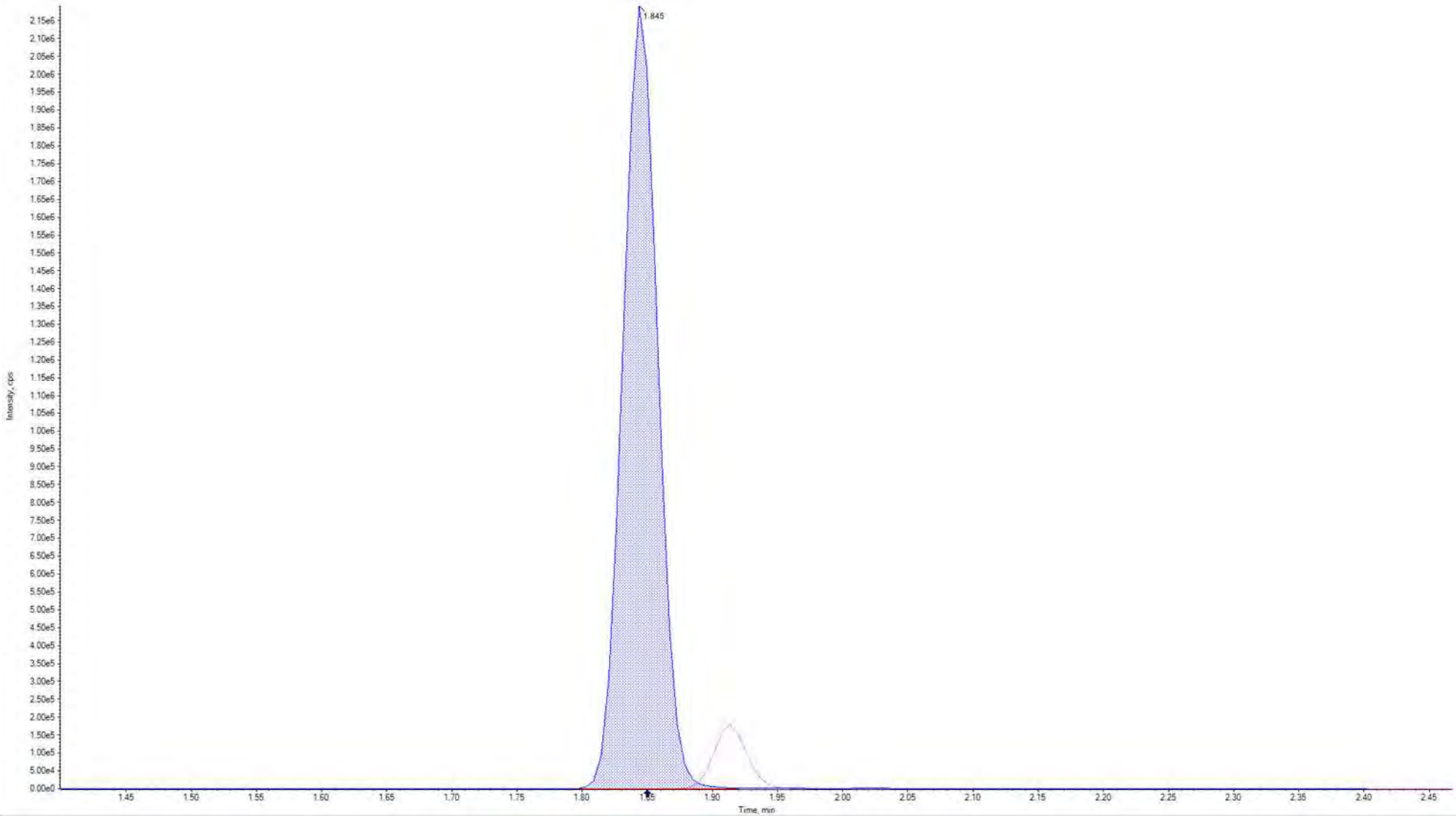
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NFDHA
Sample: IA1633STD-25 S/N:82847.6 Points Across peak:40



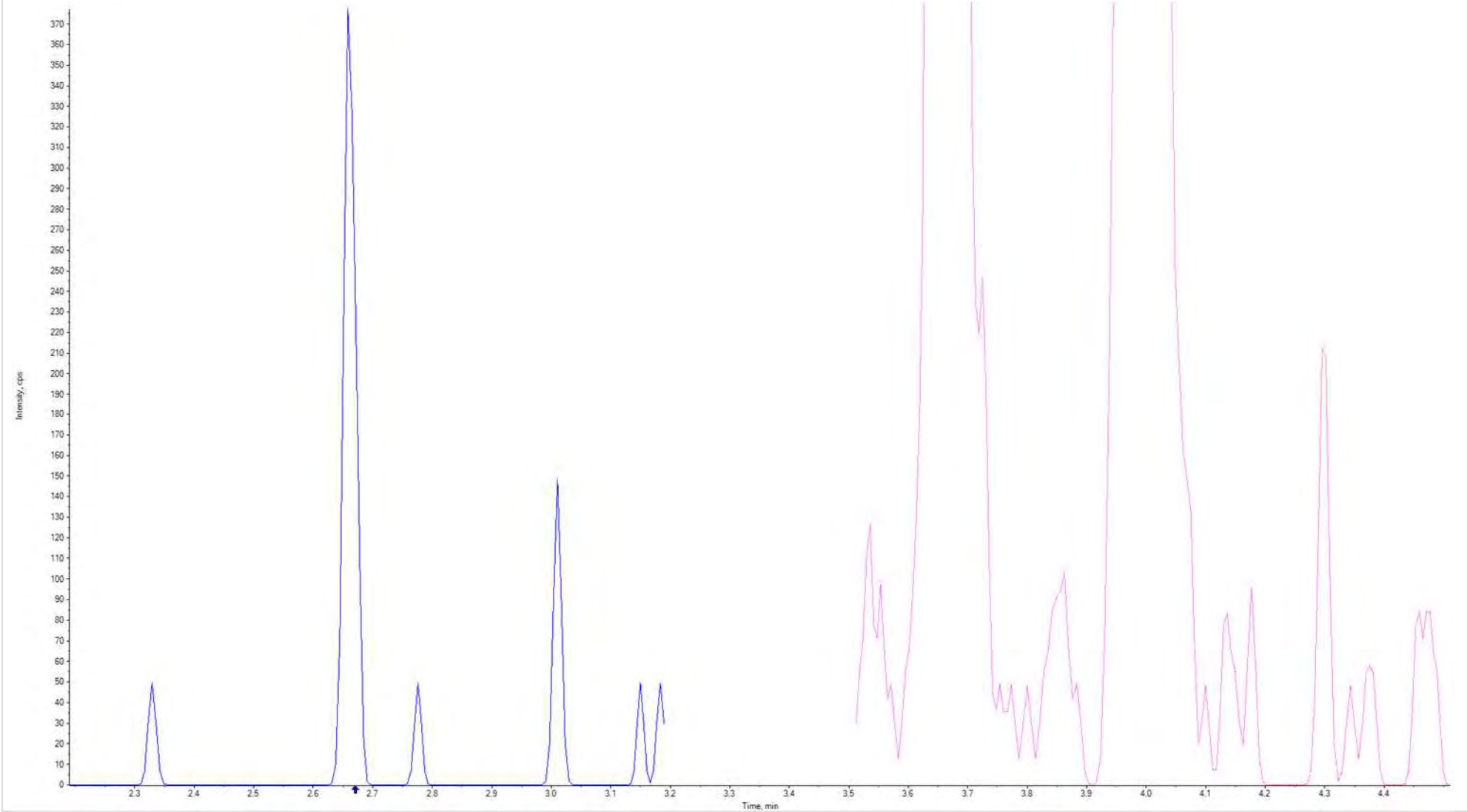
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NFDHA_2
Sample: IA1633STD-25 S/N:29464.8 Points Across peak:28



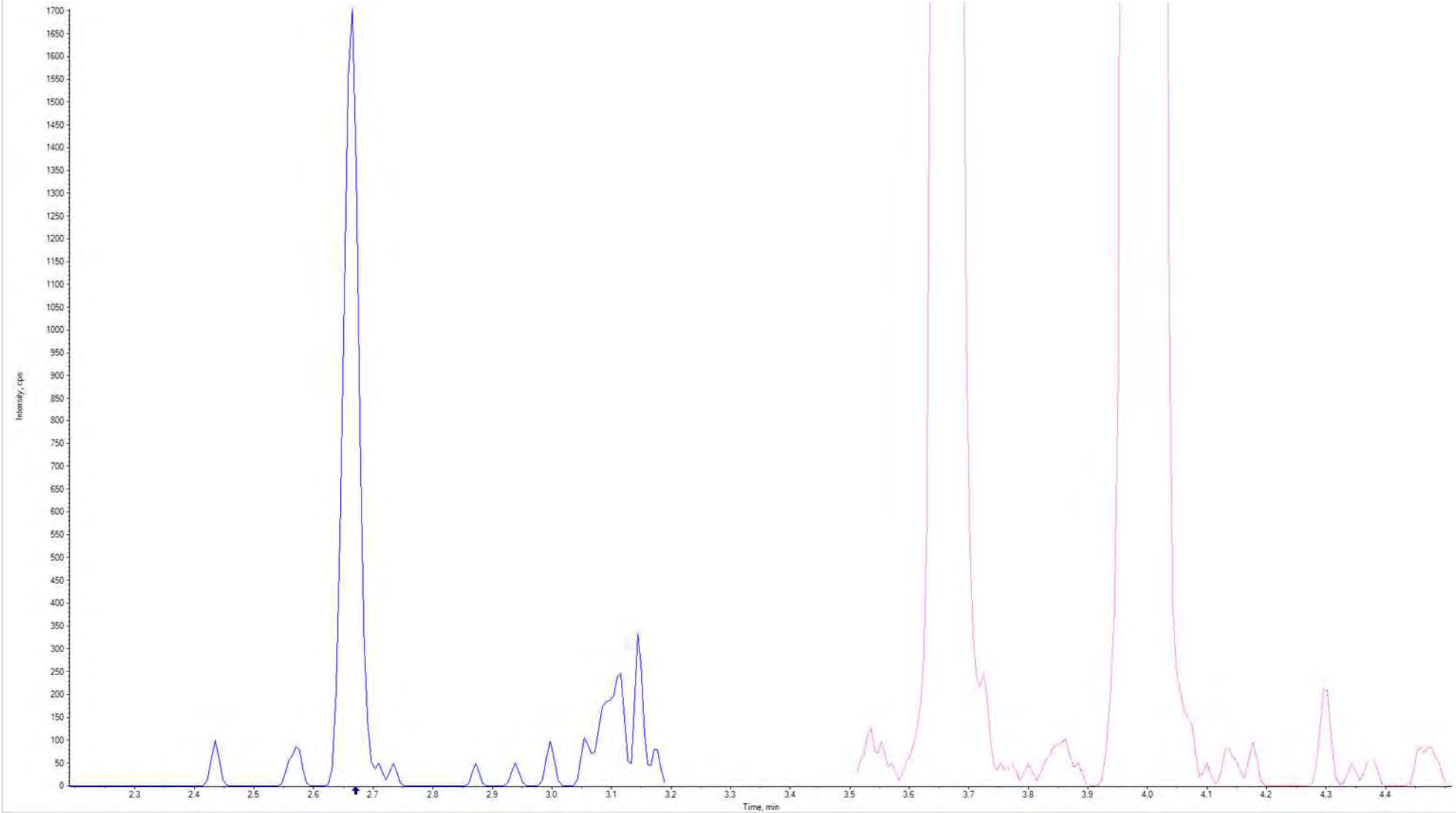
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

TDCA
Sample: IA1633STD-25 S/N:N/A Points Across peak:N/A



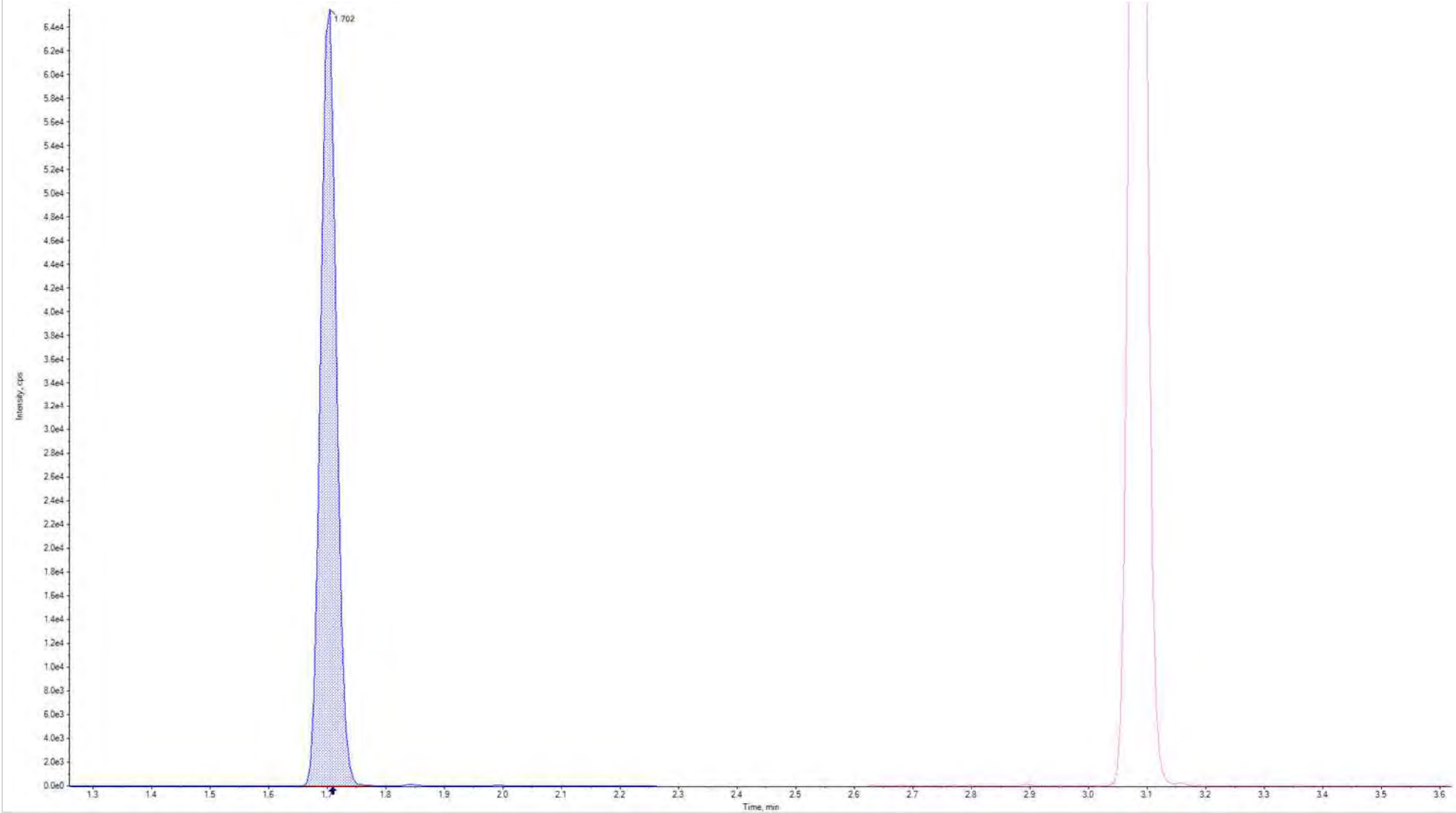
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

TDCA_2
Sample: IA1633STD-25 S/N:N/A Points Across peak:N/A



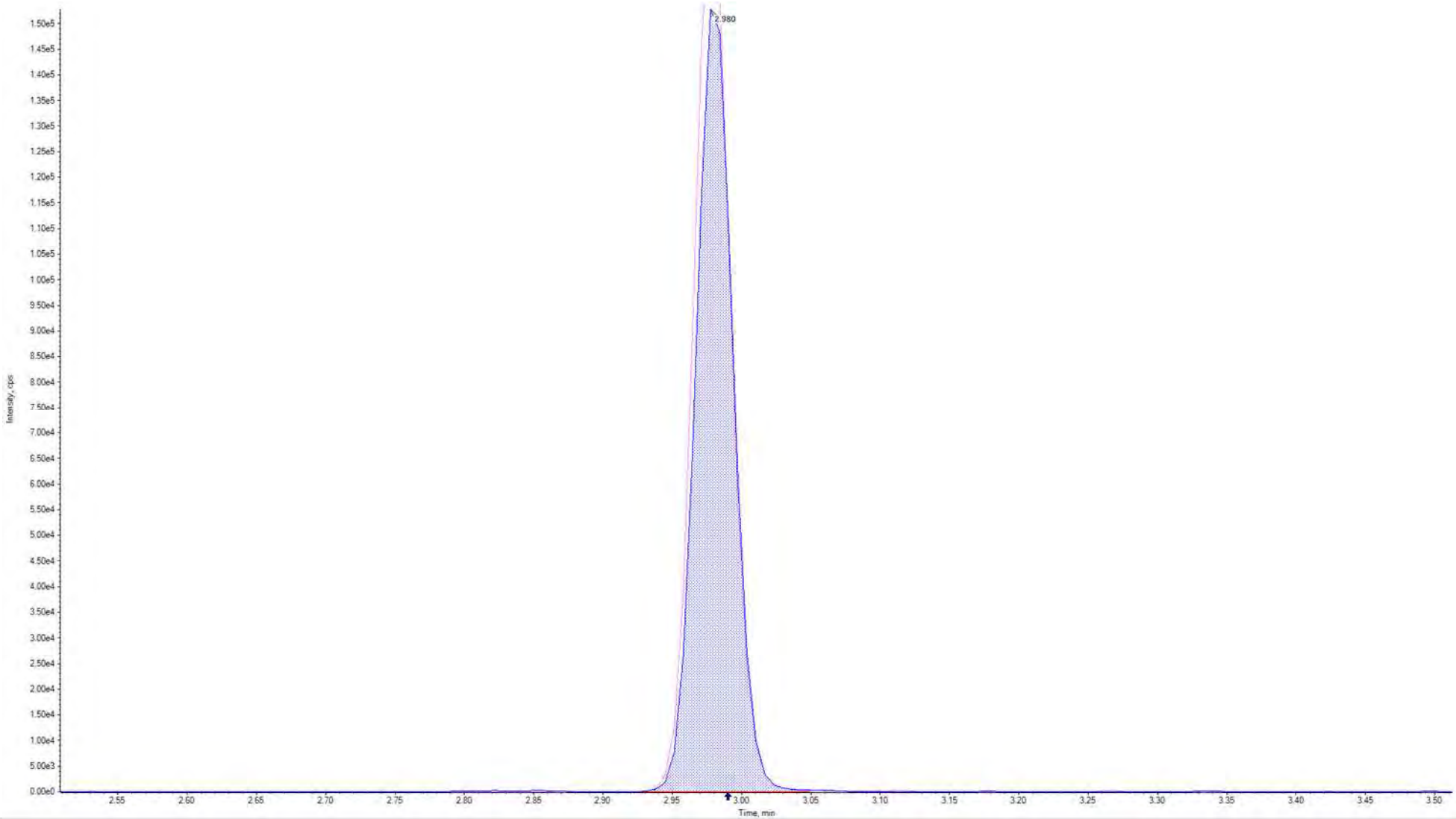
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

13C2D4-4:2FTS
Sample: IA1633STD-25 S/N:2463.7 Points Across peak:28



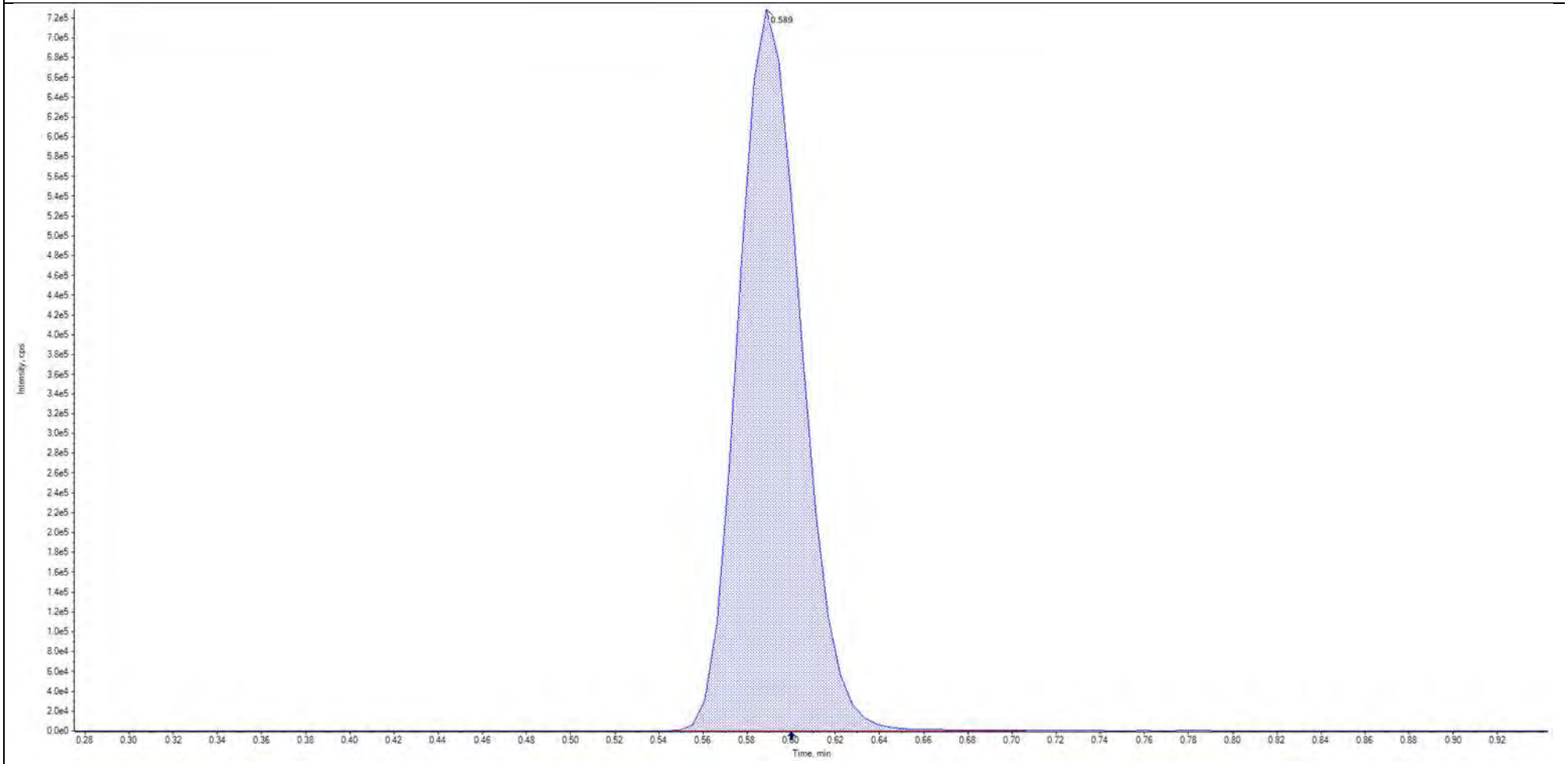
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

13C2-PFOA
Sample: IA1633STD-25 S/N:3447.5 Points Across peak:22

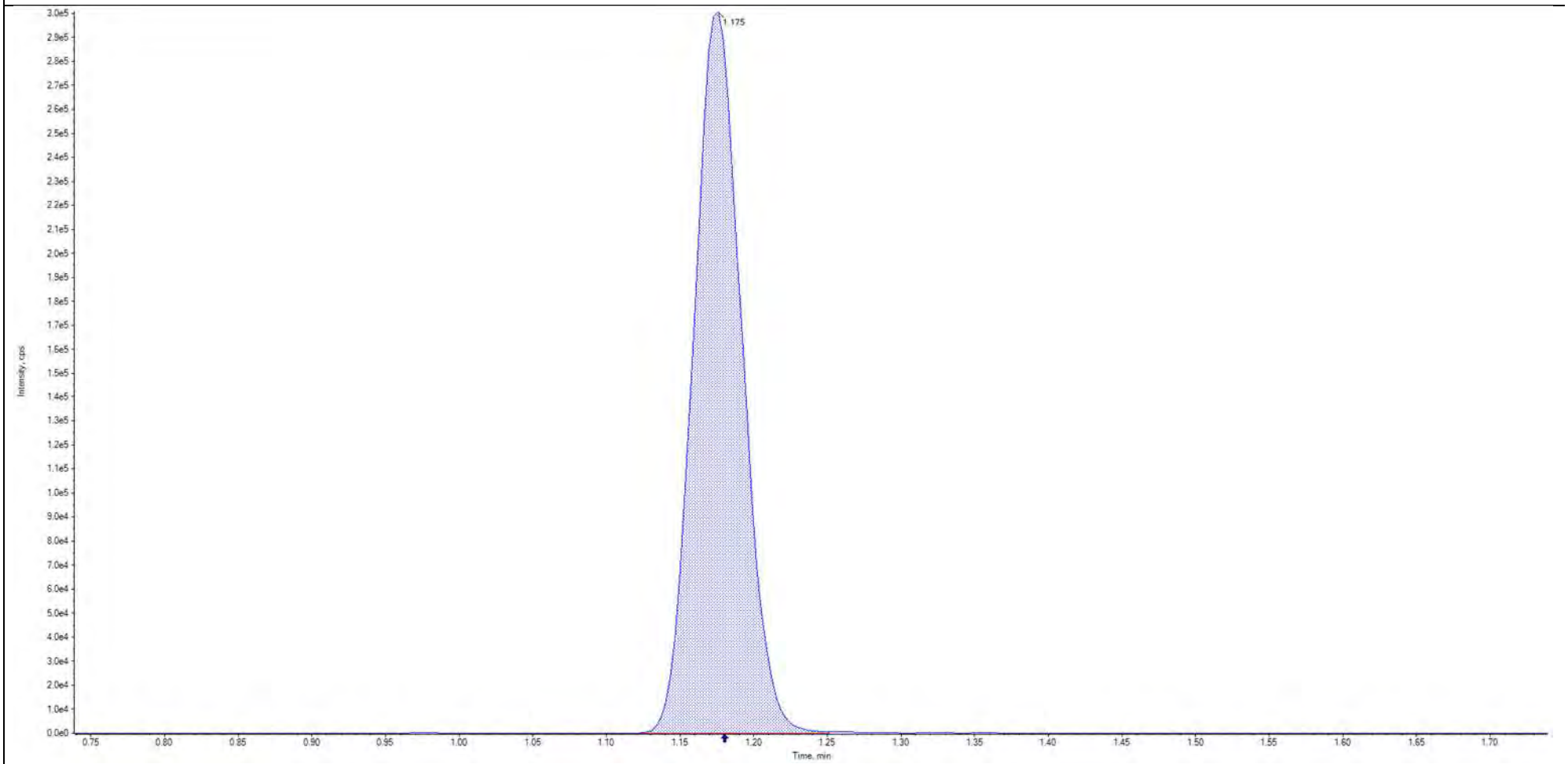


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_28.wiff2_7
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

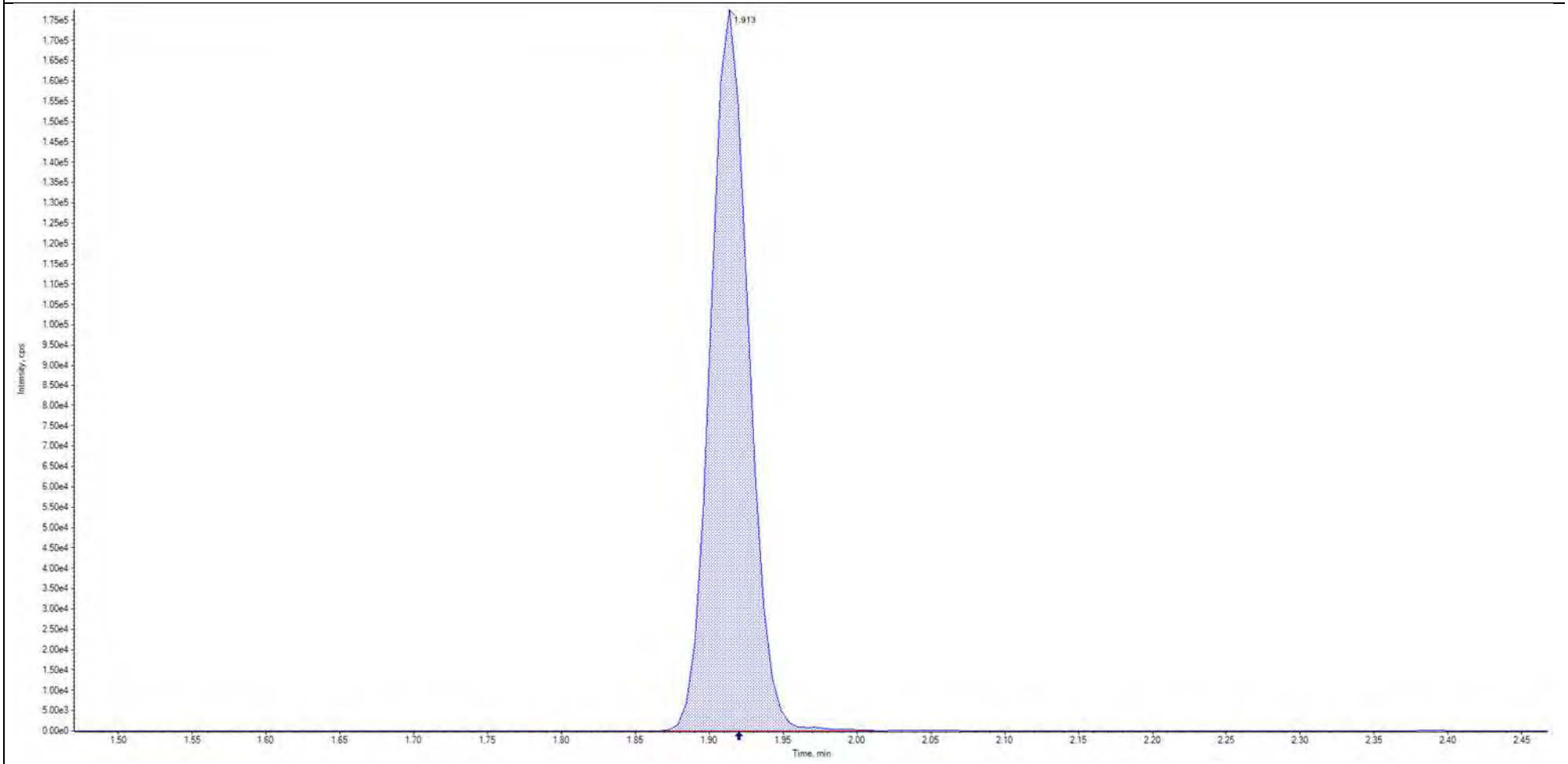
13C4-PFBA
Sample: IA1633STD-25



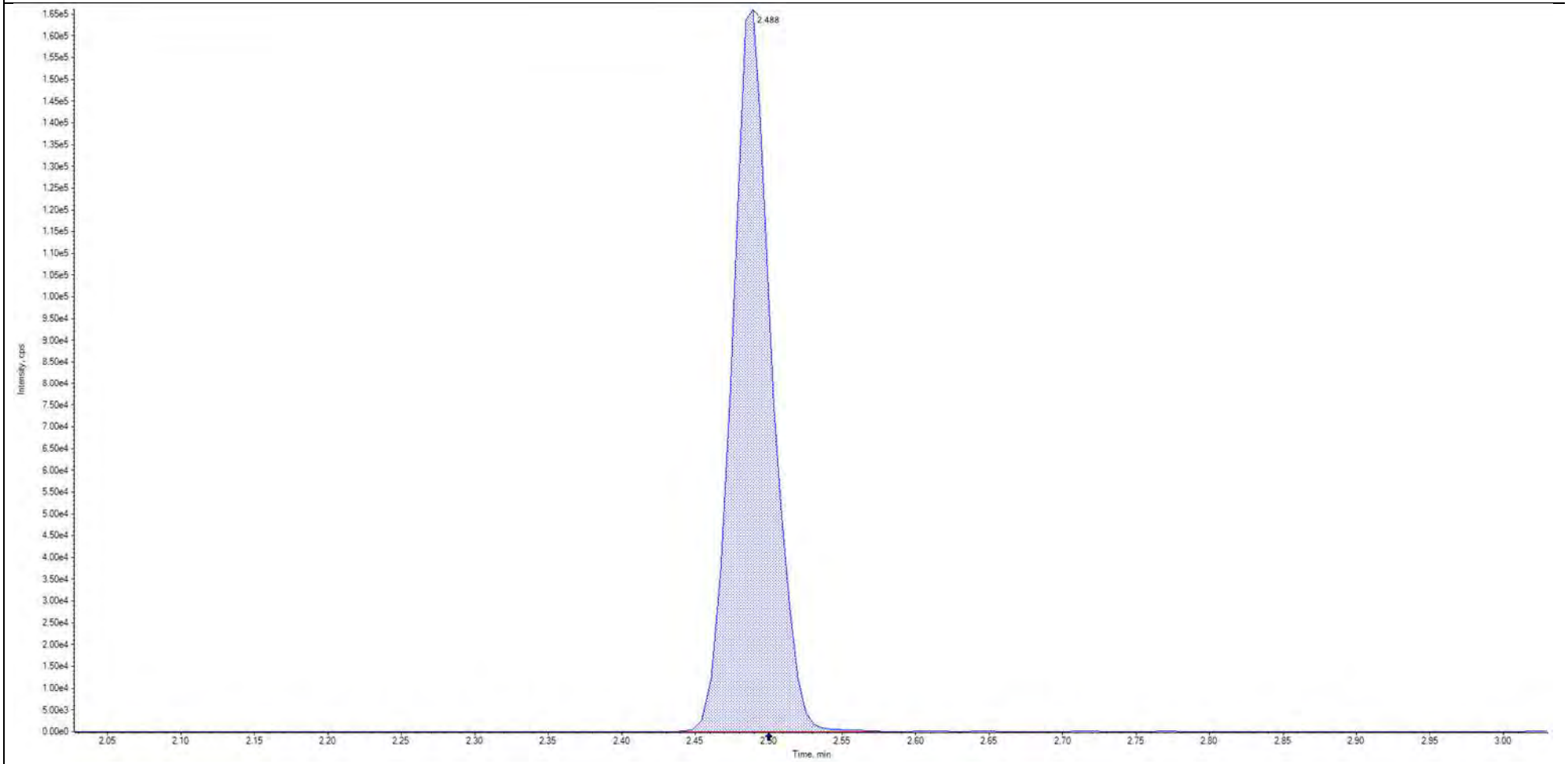
13C5-PFPeA
Sample: IA1633STD-25



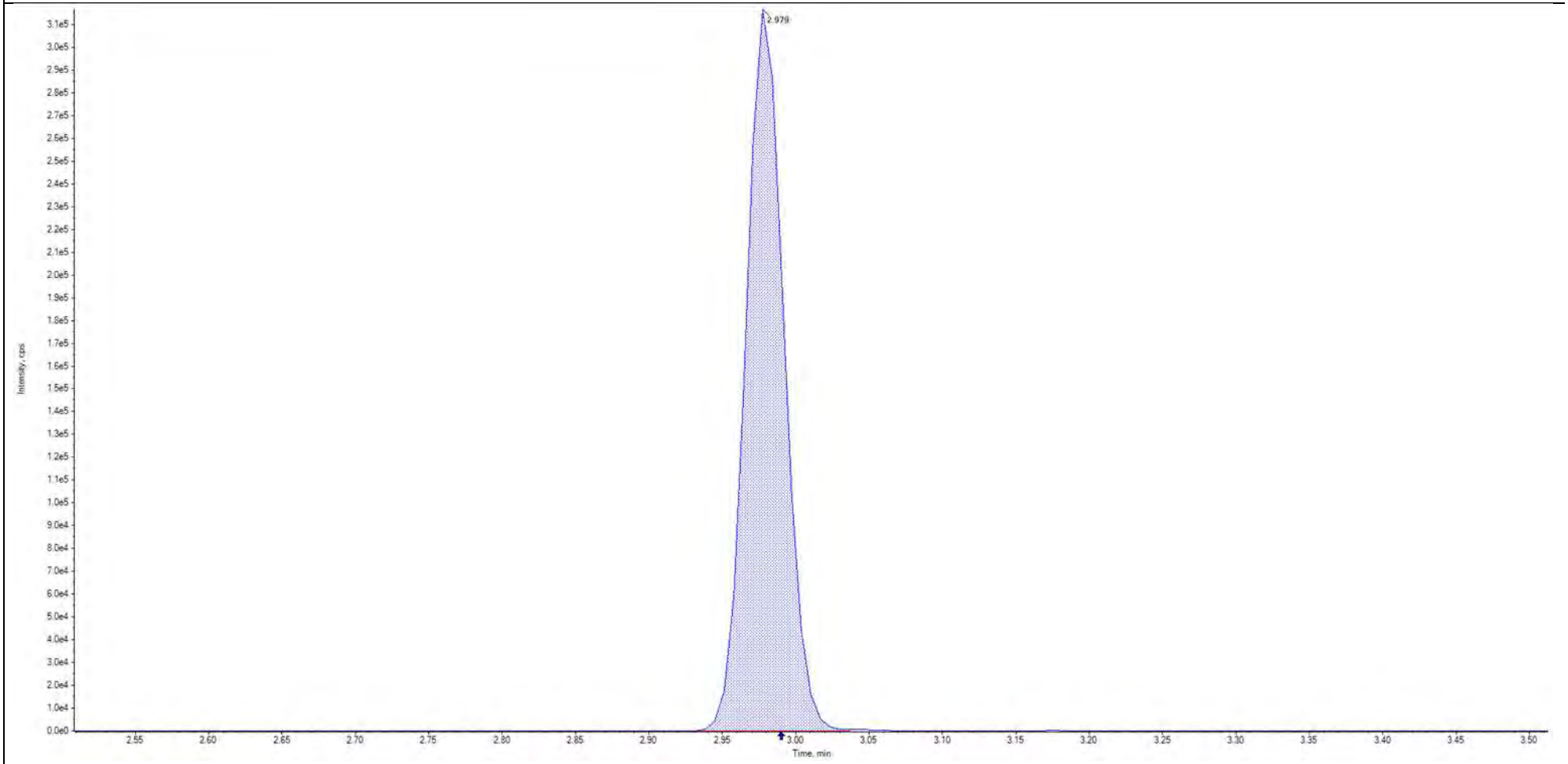
13C5-PFHxA
Sample: IA1633STD-25



13C4-PFHpA
Sample: IA1633STD-25



13C8-PFOA
Sample: IA1633STD-25



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Alpha Analytical LLC
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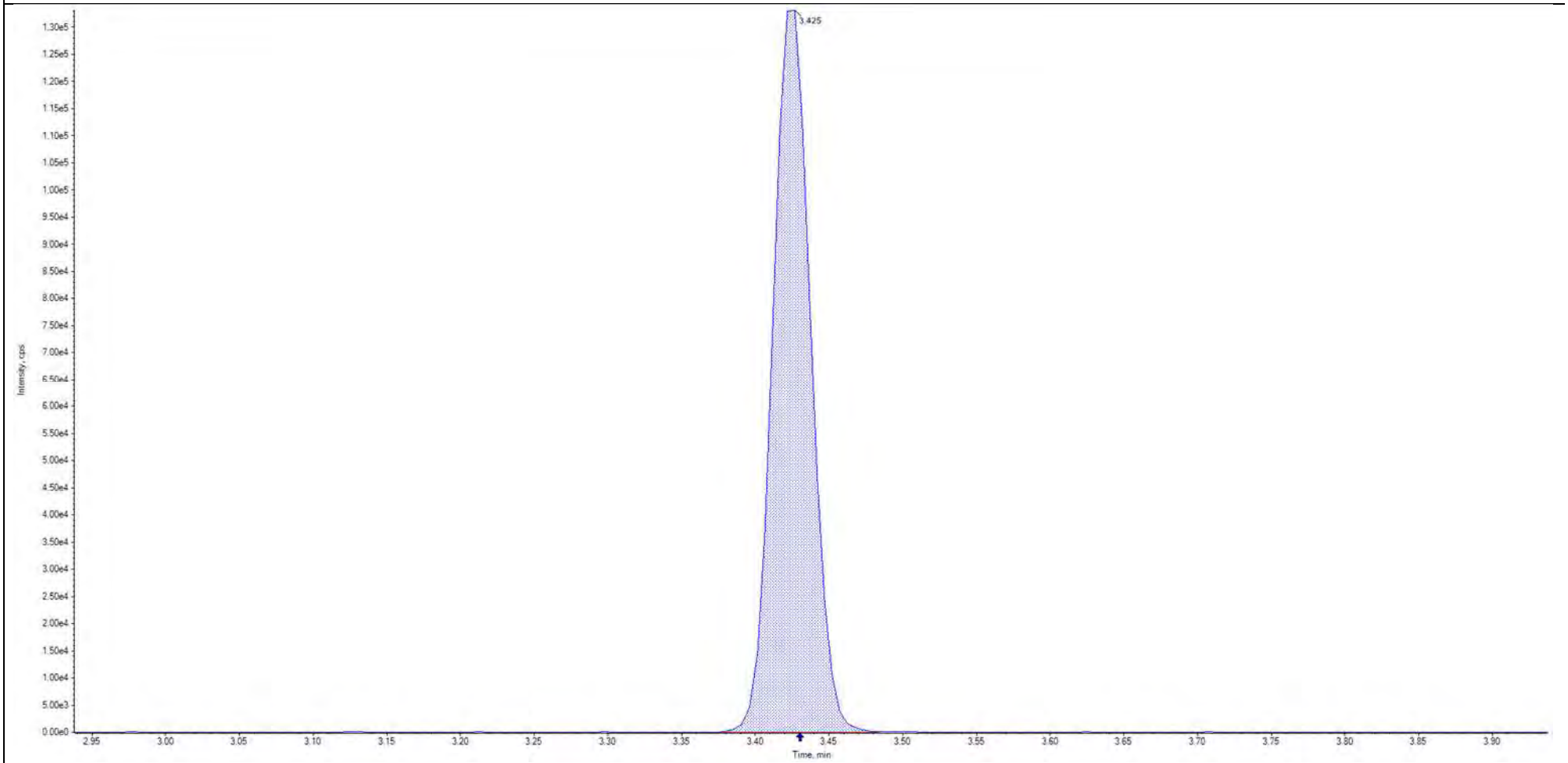
13C9-PFNA
Sample: IA1633STD-25



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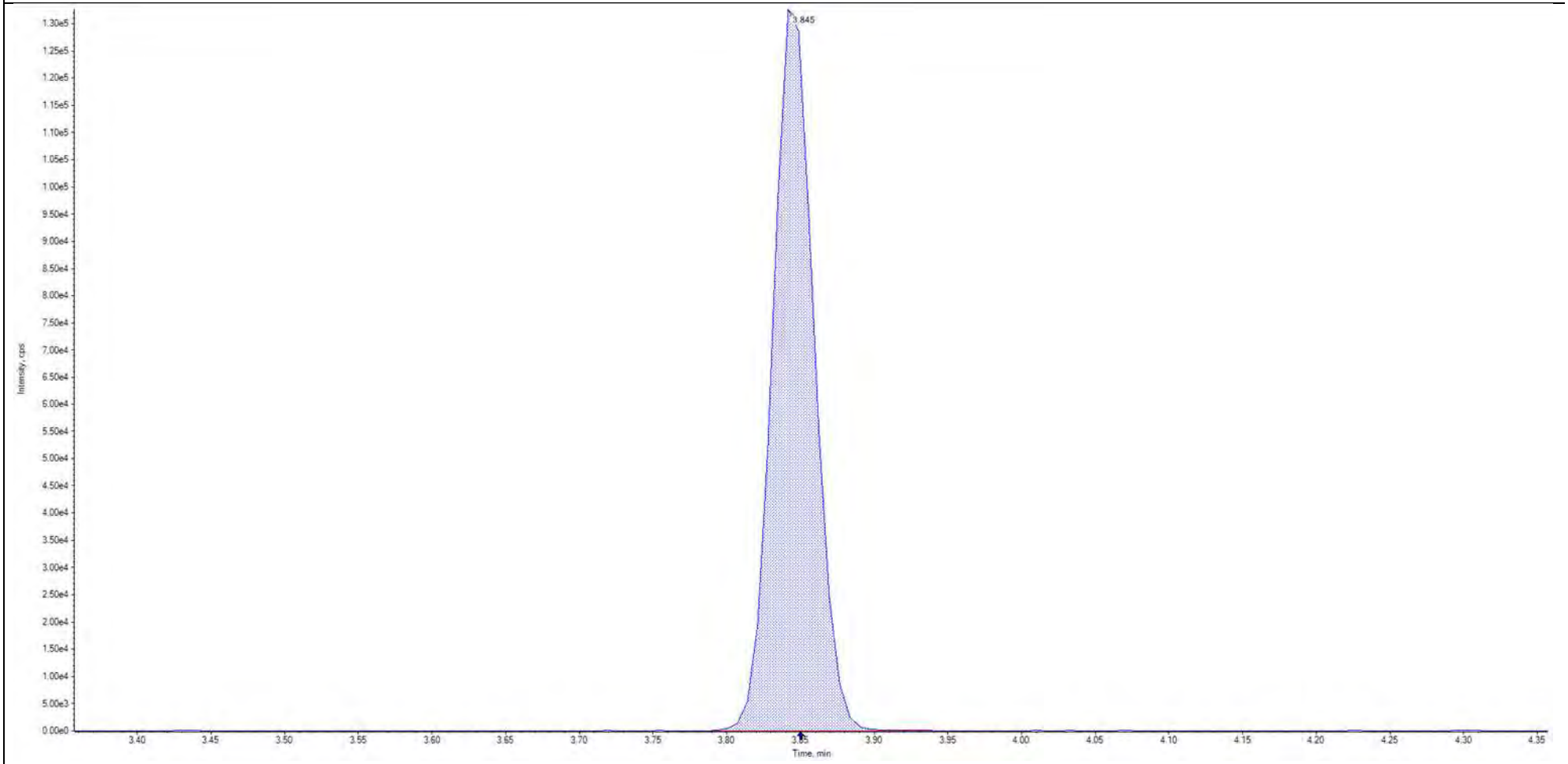
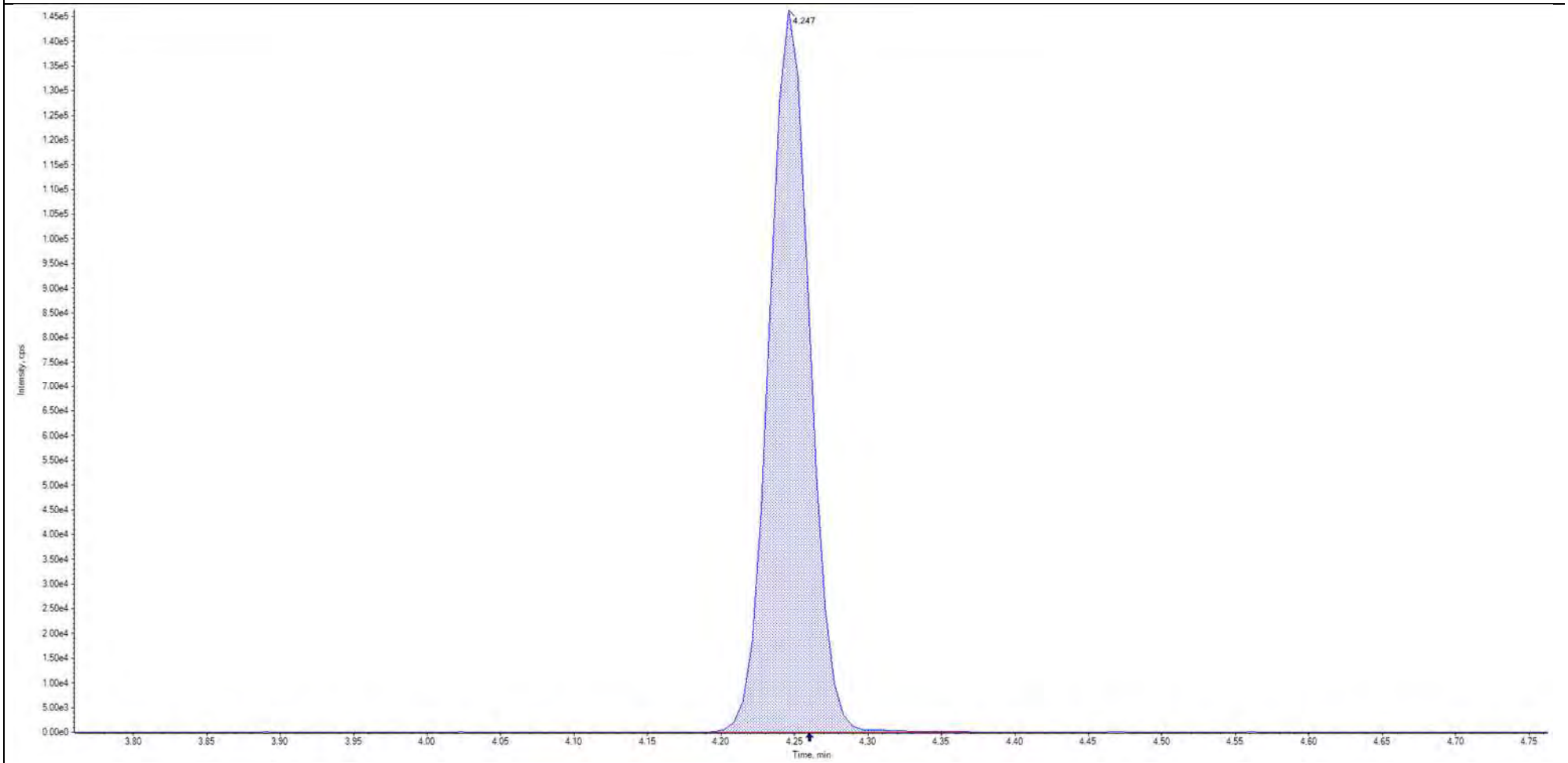
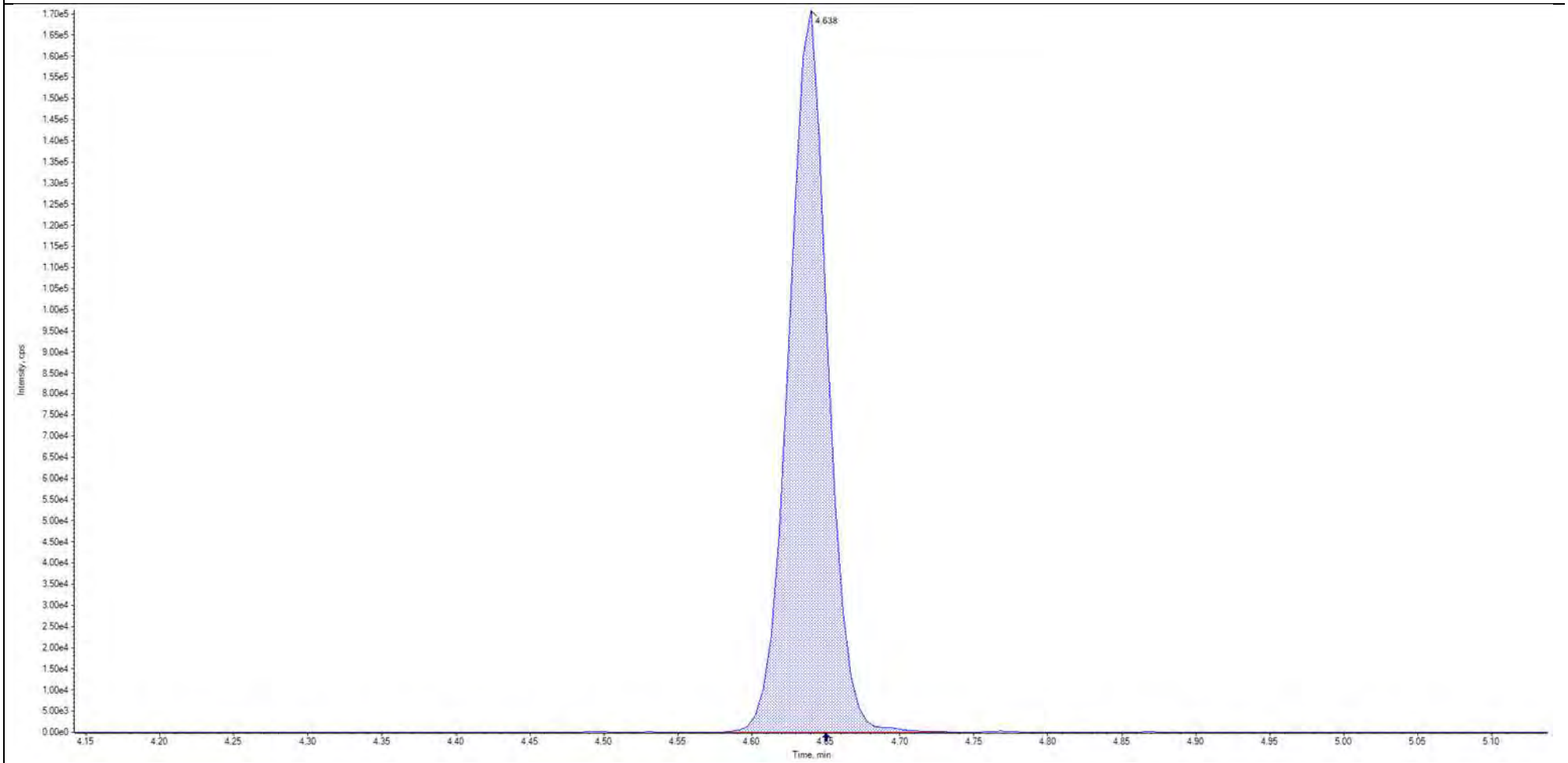
13C6-PFDA
Sample: IA1633STD-25



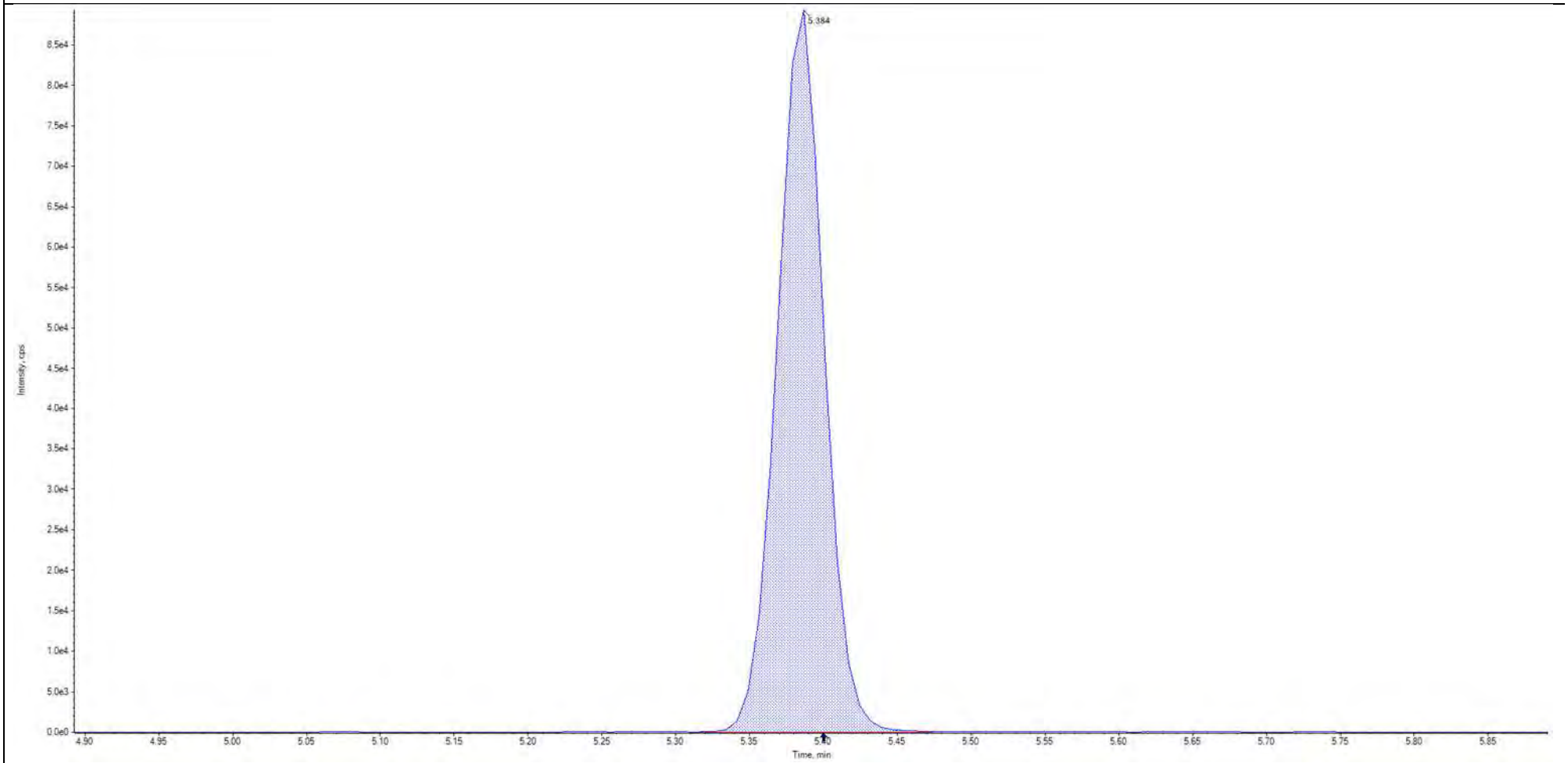
13C7-PFUnA
Sample: IA1633STD-25



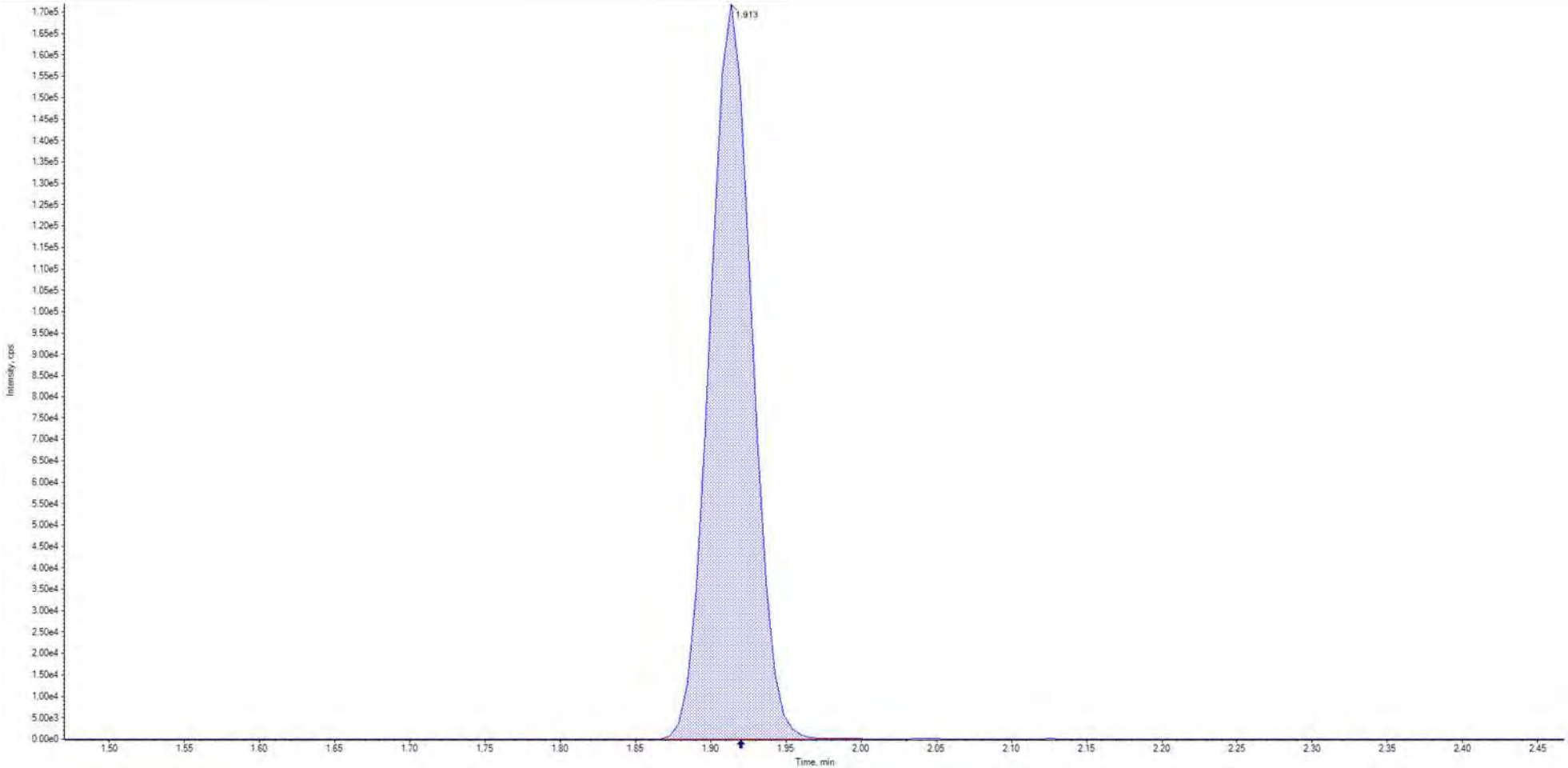
13C2-PFDoA
Sample: IA1633STD-25



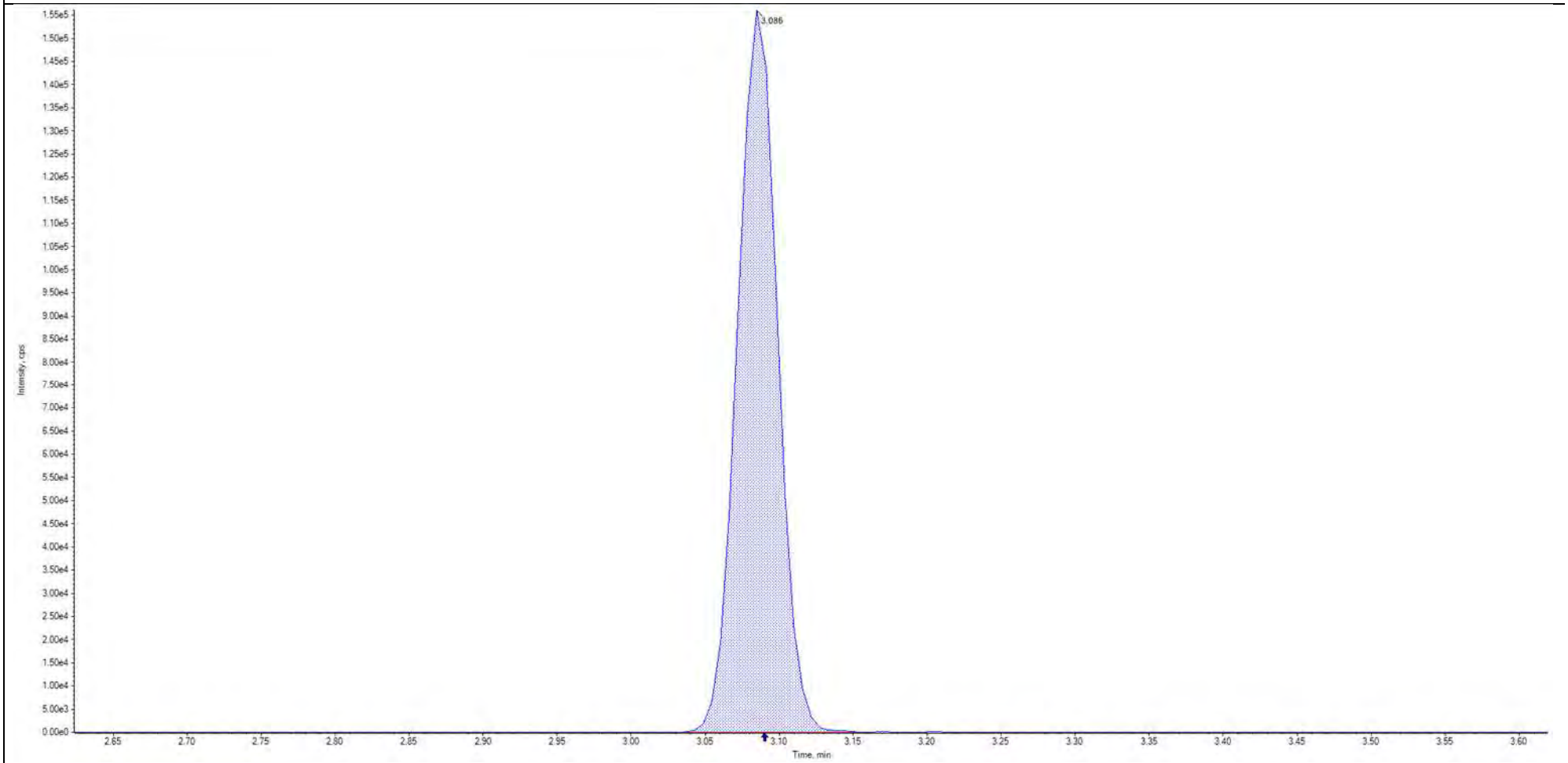
13C2-PFTeDA
Sample: IA1633STD-25



13C3-PFBS
Sample: IA1633STD-25



13C3-PFHxS
Sample: IA1633STD-25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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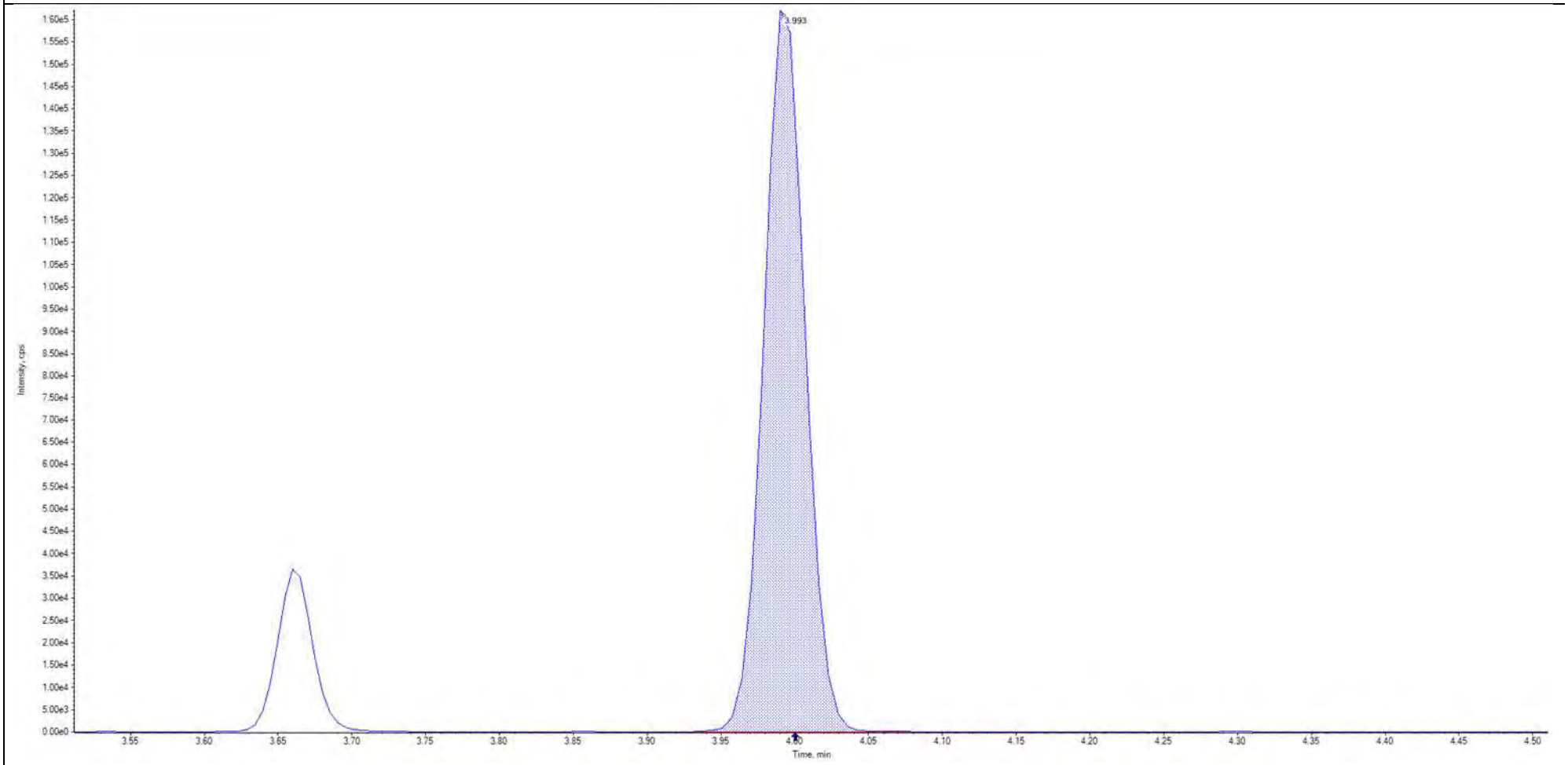
13C8-PFOS
Sample: IA1633STD-25



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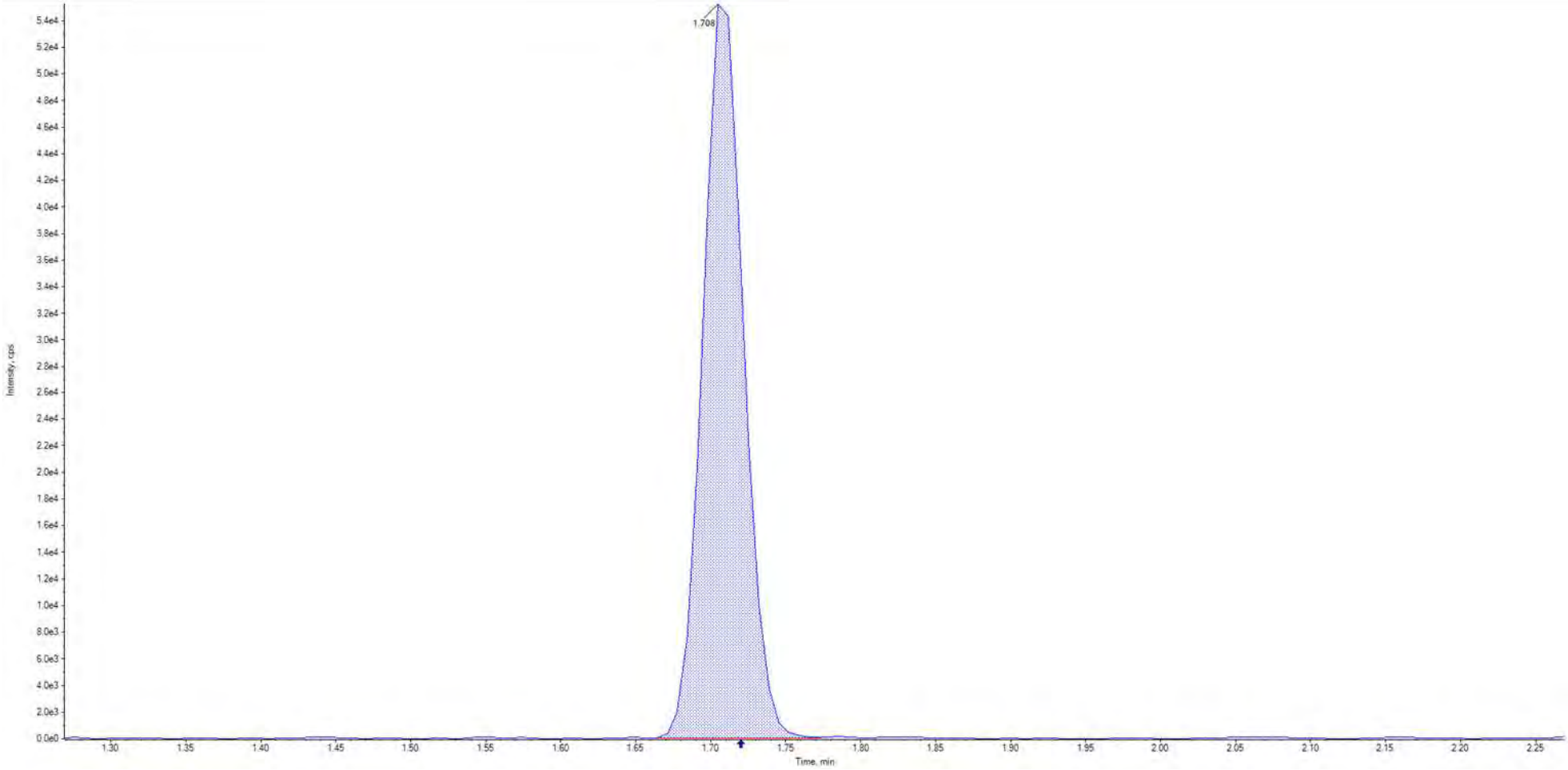
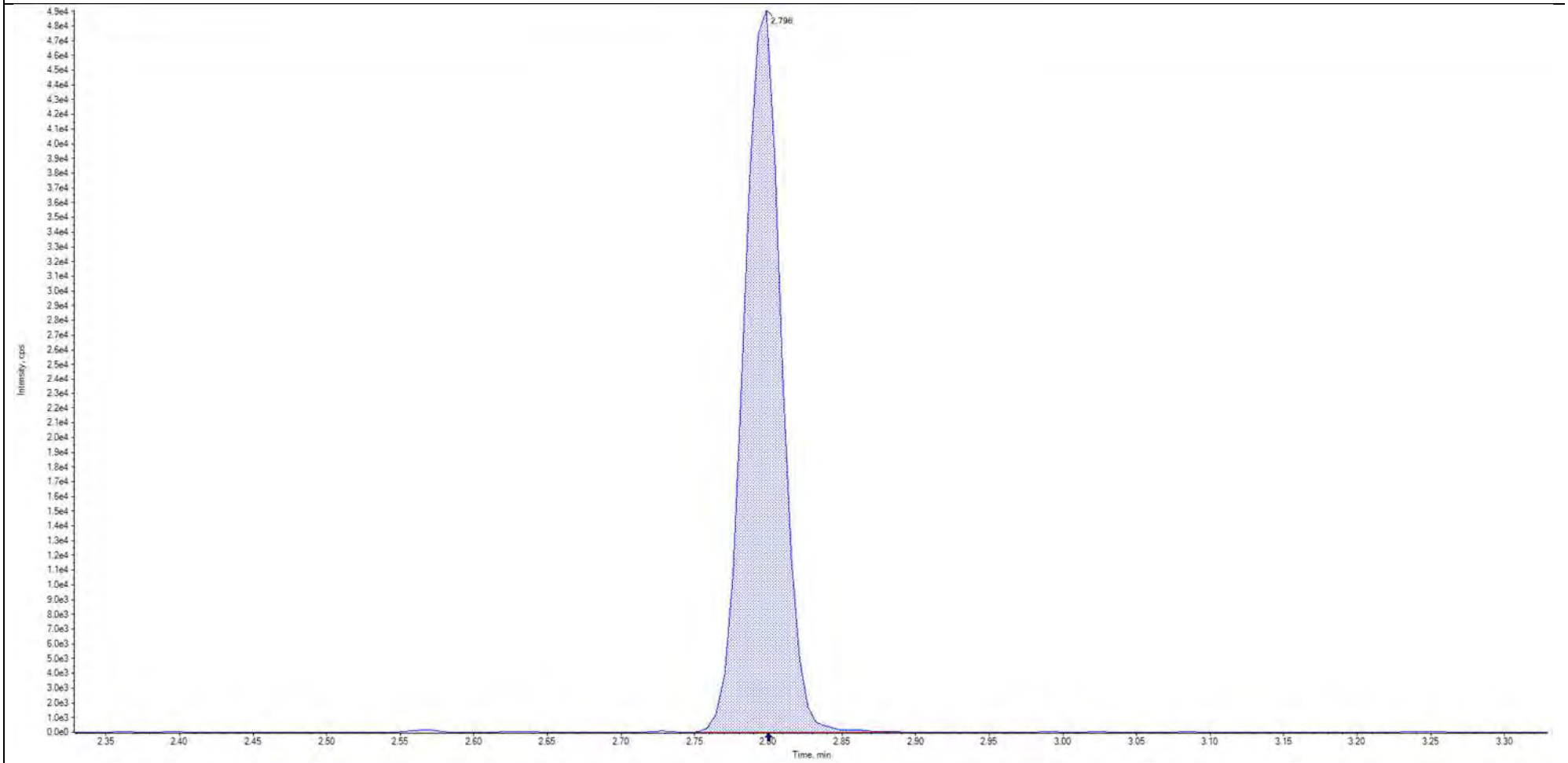
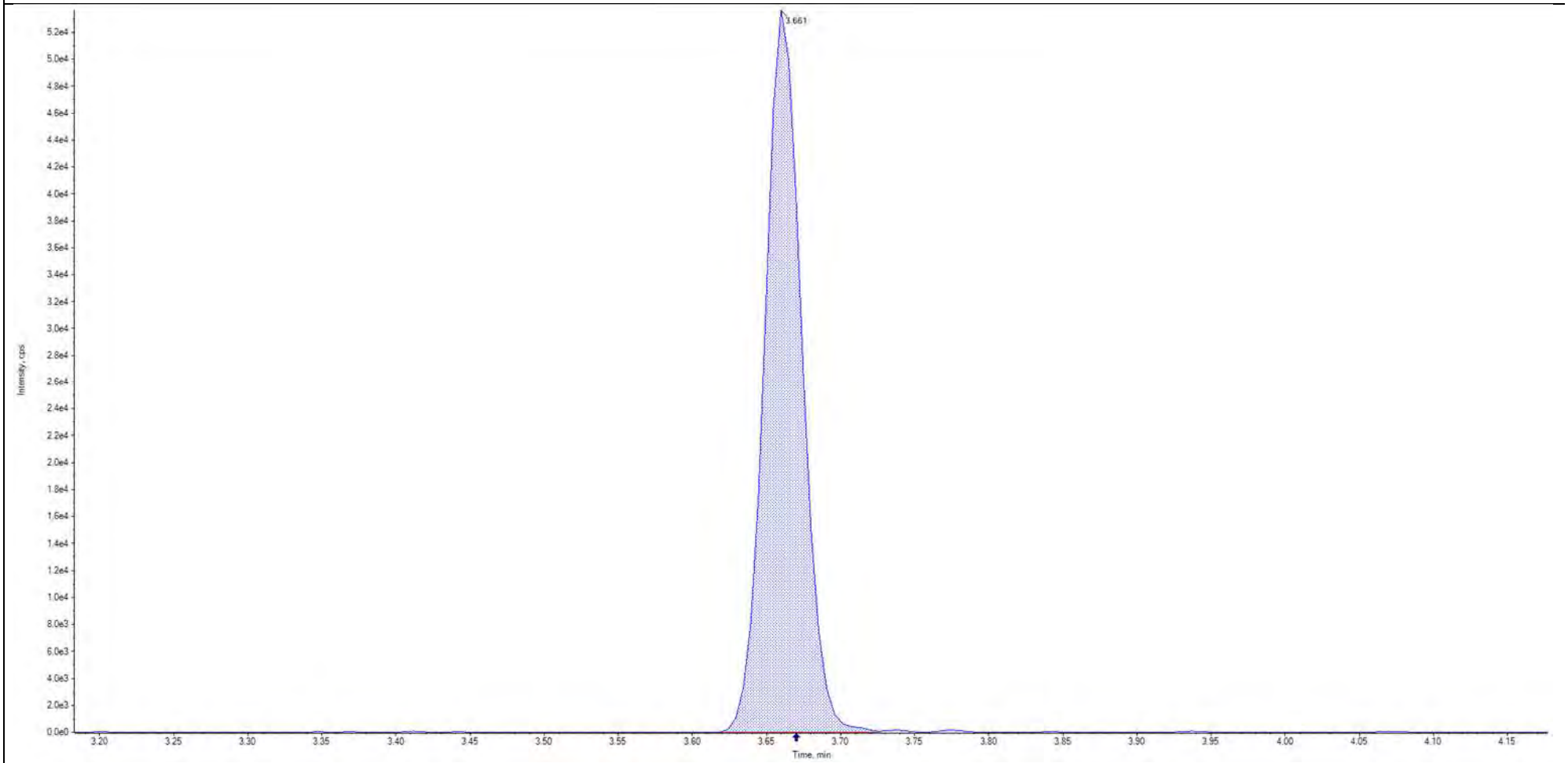
13C2-4:2FTS
Sample: IA1633STD-25



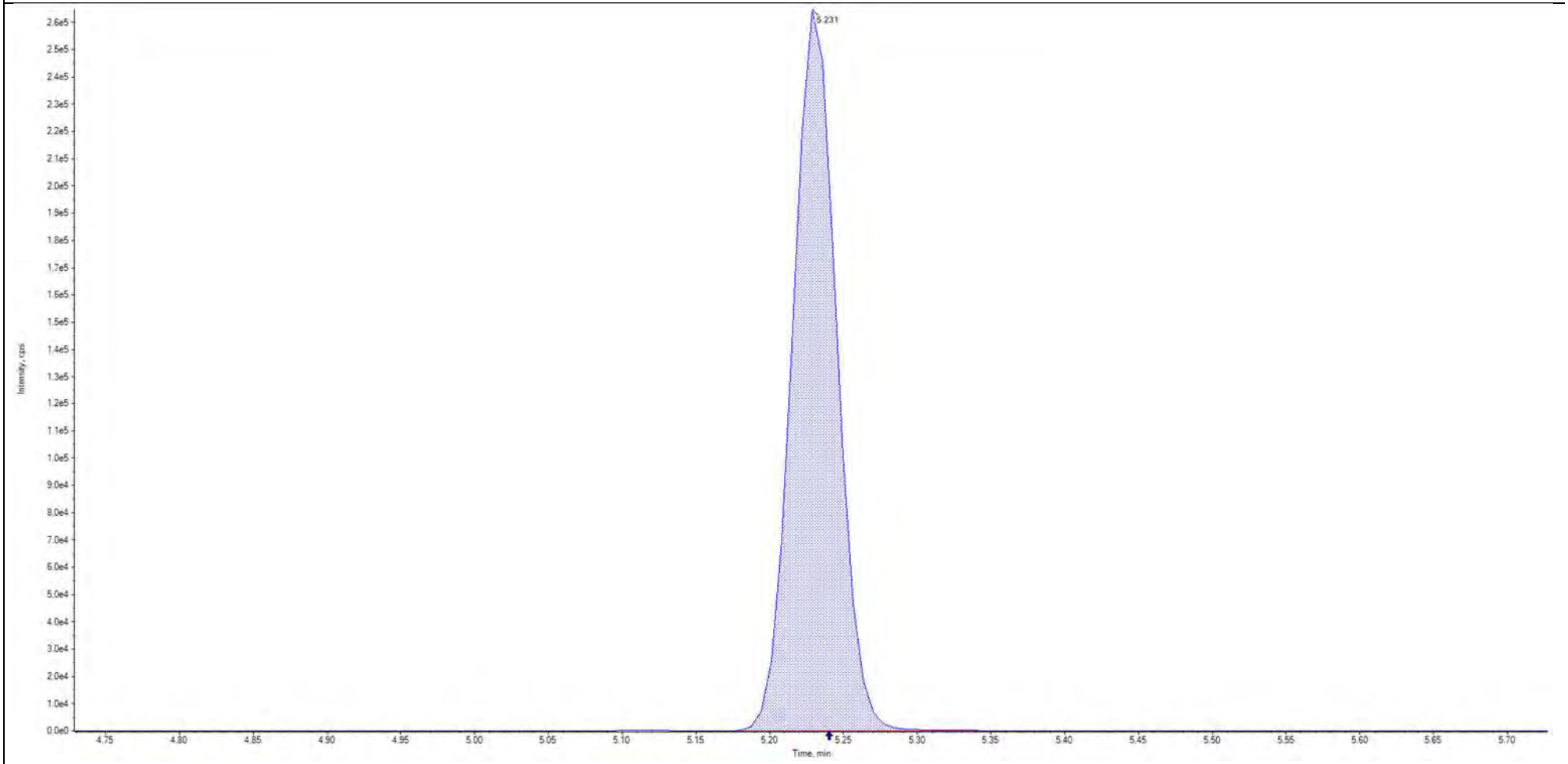
13C2-6:2FTS
Sample: IA1633STD-25



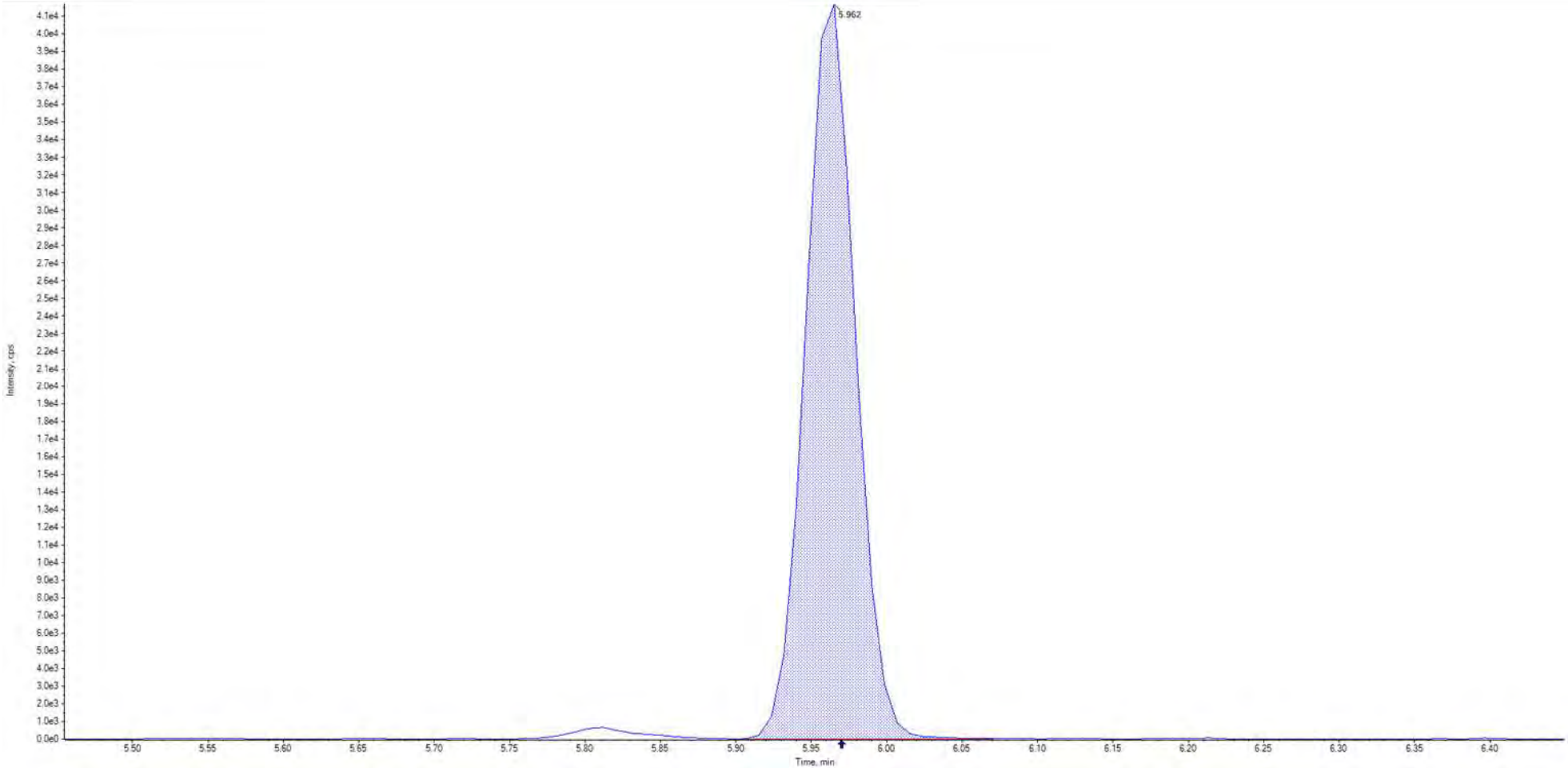
13C2-8:2FTS
Sample: IA1633STD-25



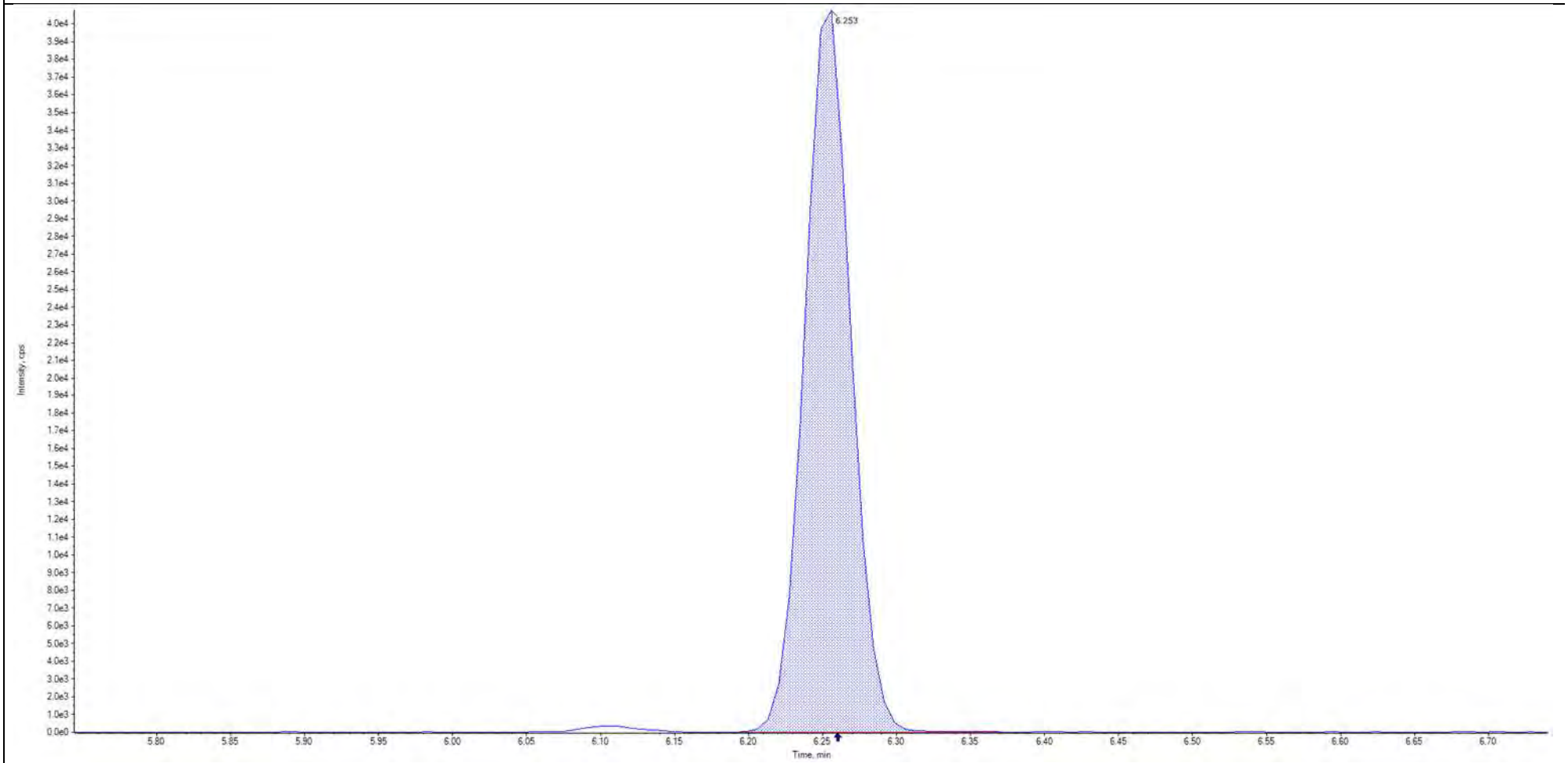
13C8-PFOSA
Sample: IA1633STD-25



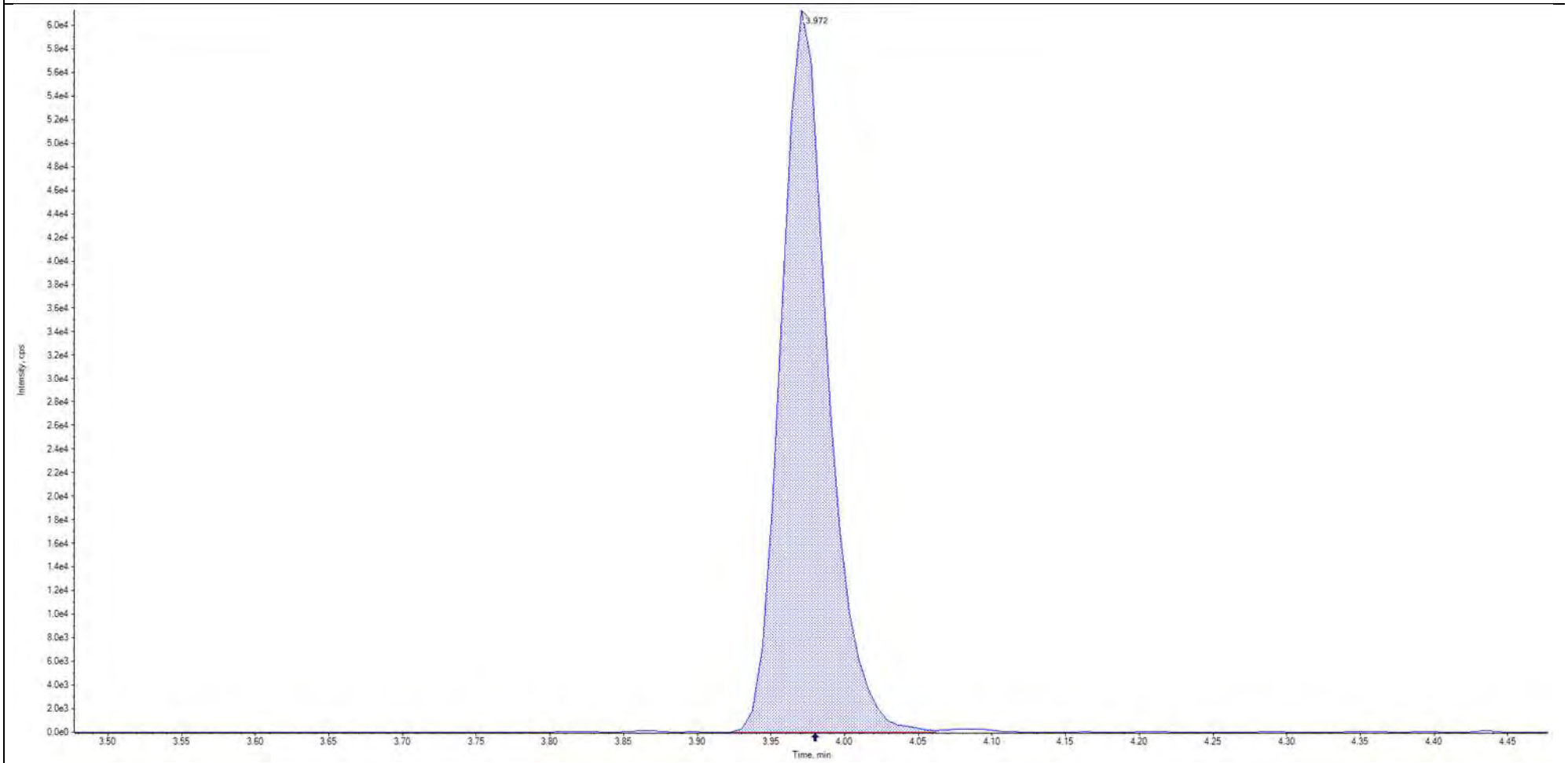
d3-NMeFOSA
Sample: IA1633STD-25



d5-NEtFOSA
Sample: IA1633STD-25



d3-NMeFOSAA
Sample: IA1633STD-25



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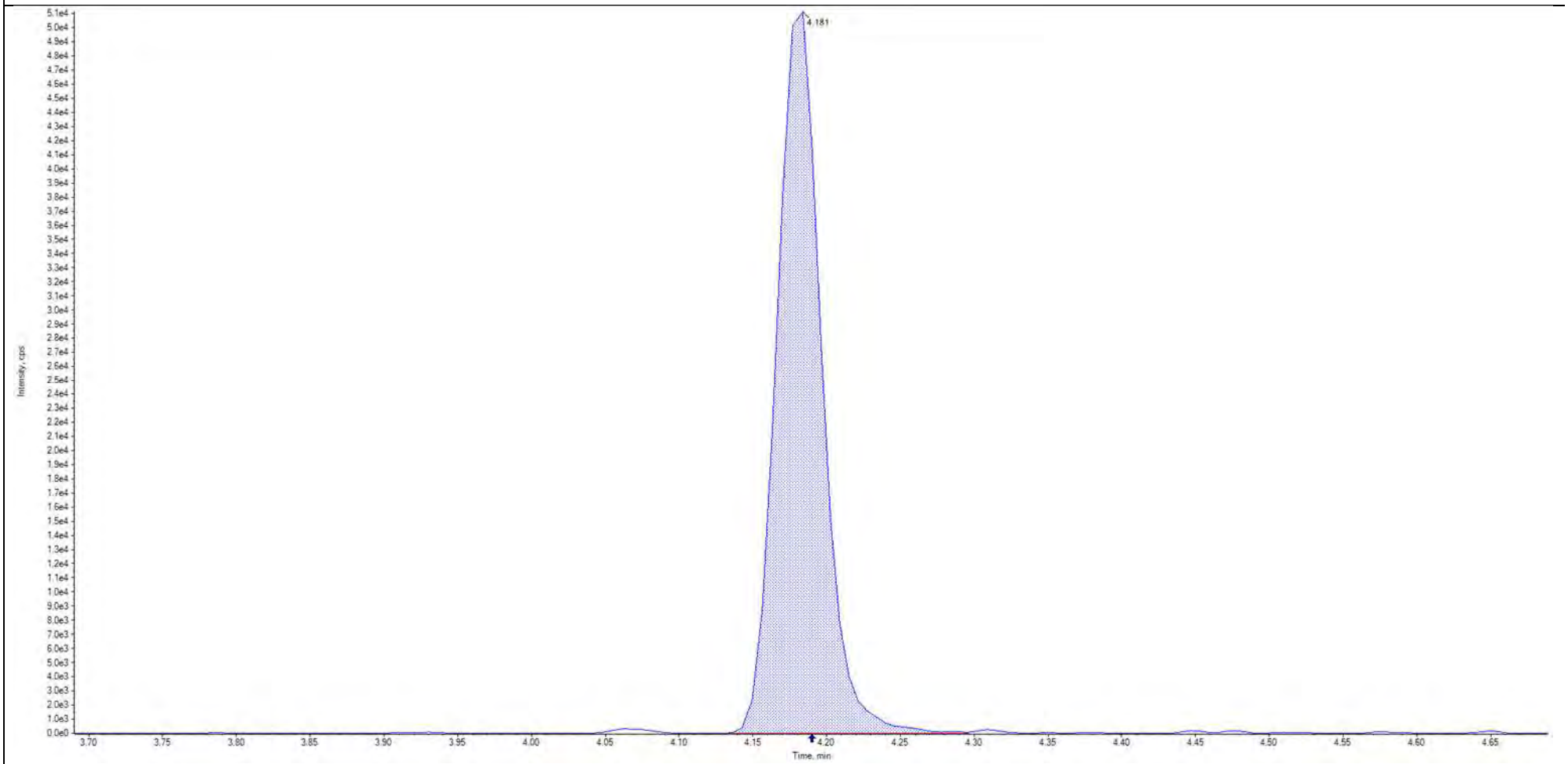
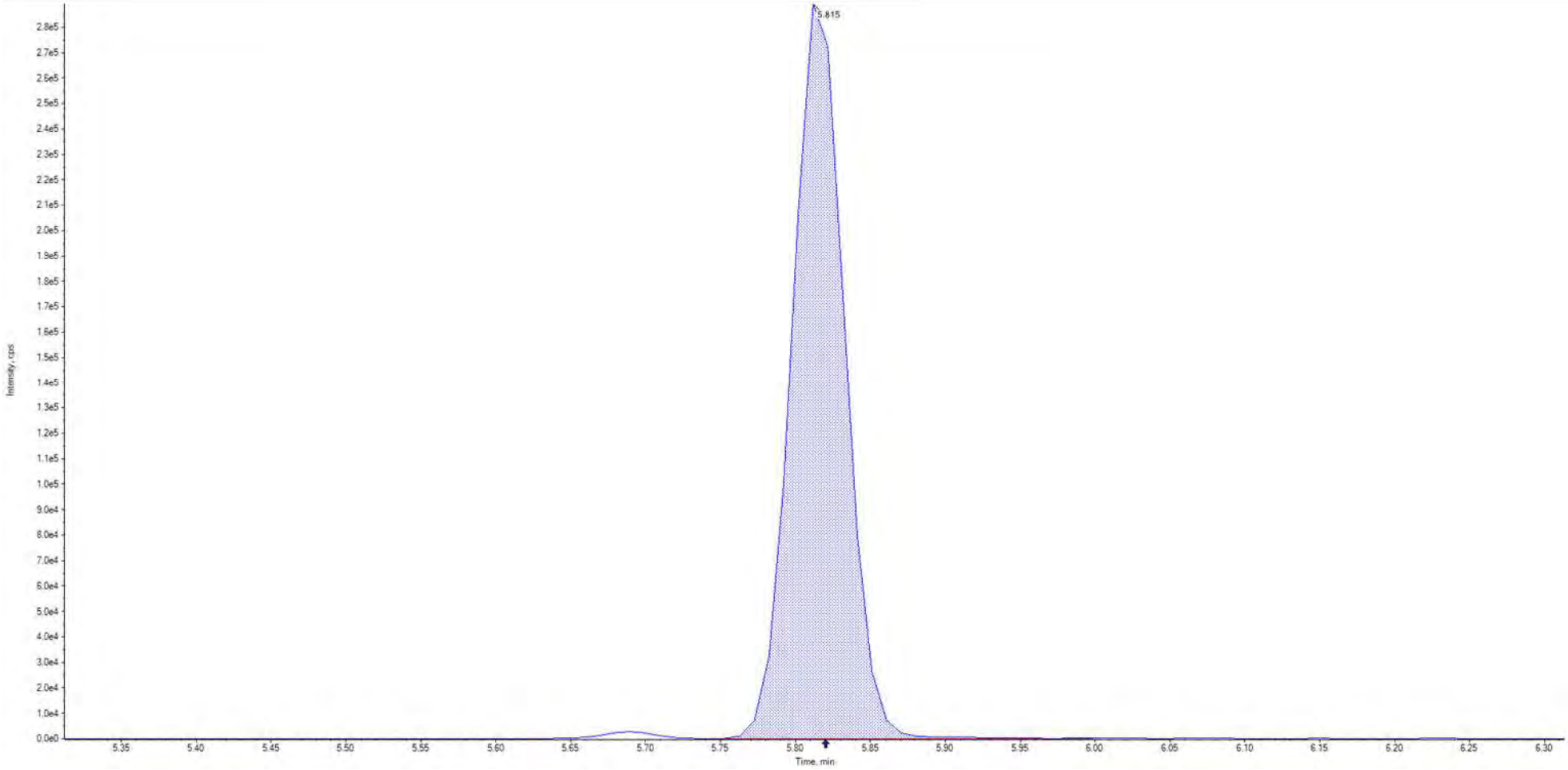
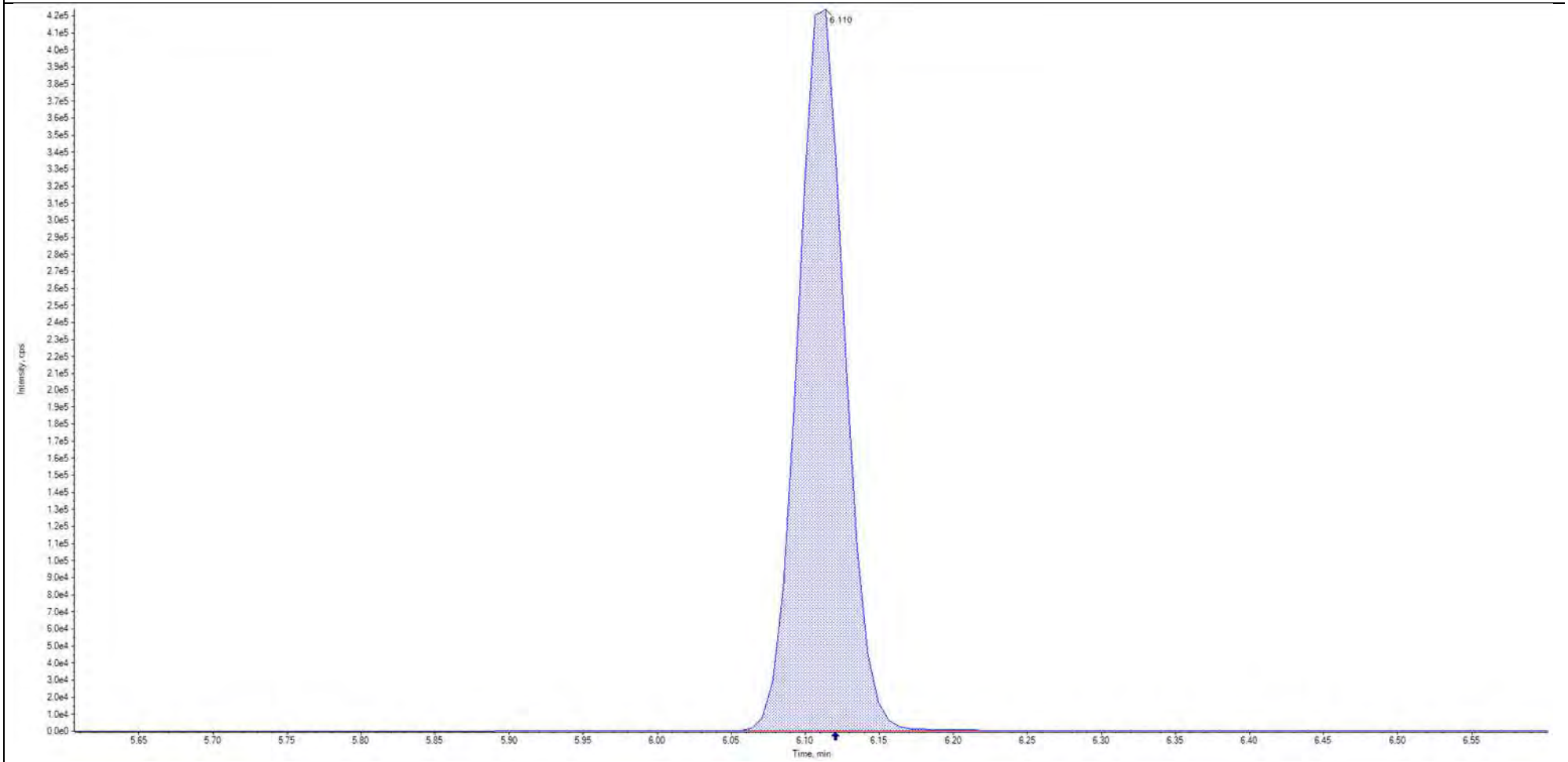
d5-NEtFOSAA
Sample: IA1633STD-25



d7-NMeFOSE
Sample: IA1633STD-25



d9-NEtFOSE
Sample: IA1633STD-25



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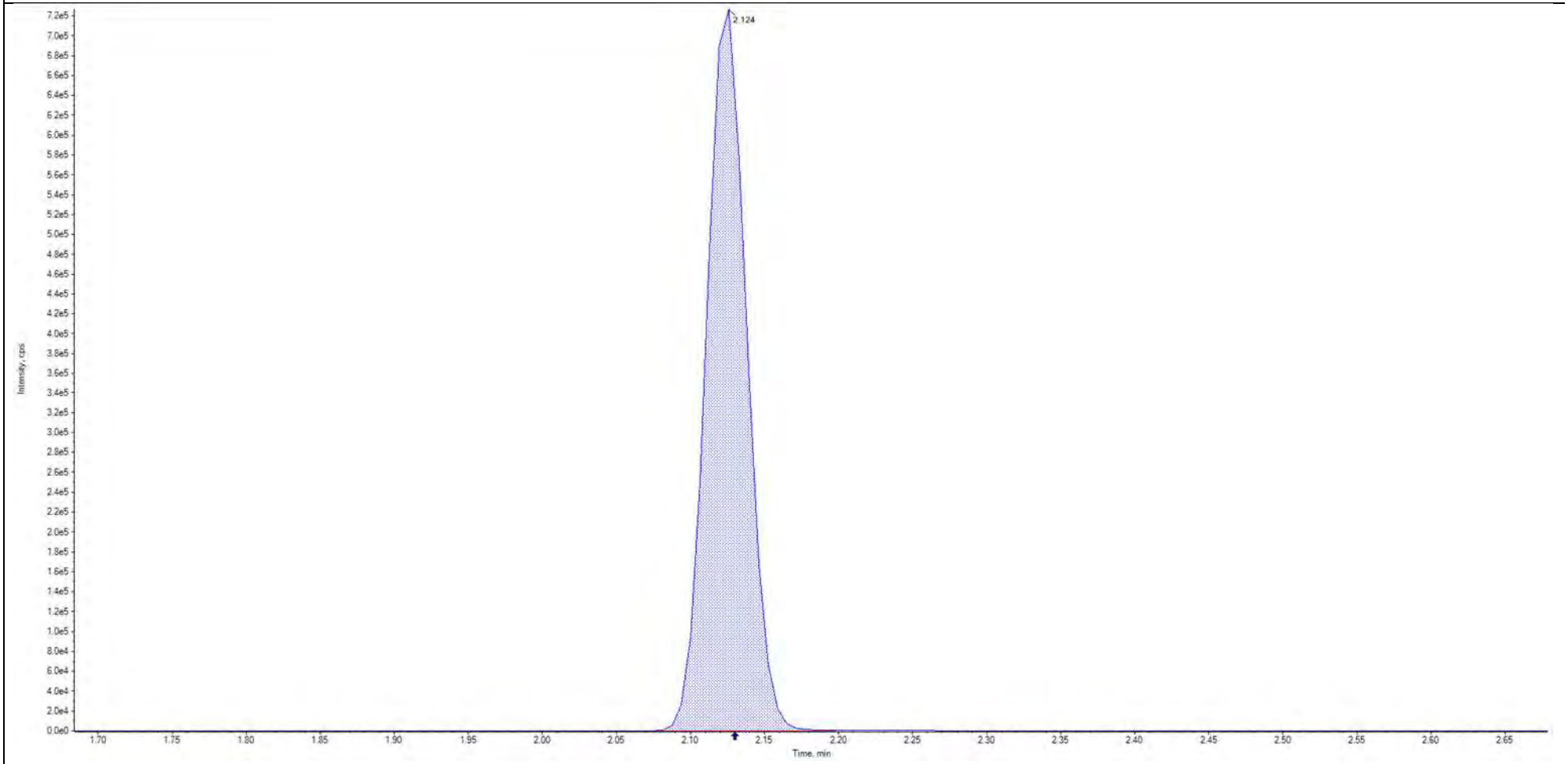
13C3-HFPO-DA
Sample: IA1633STD-25



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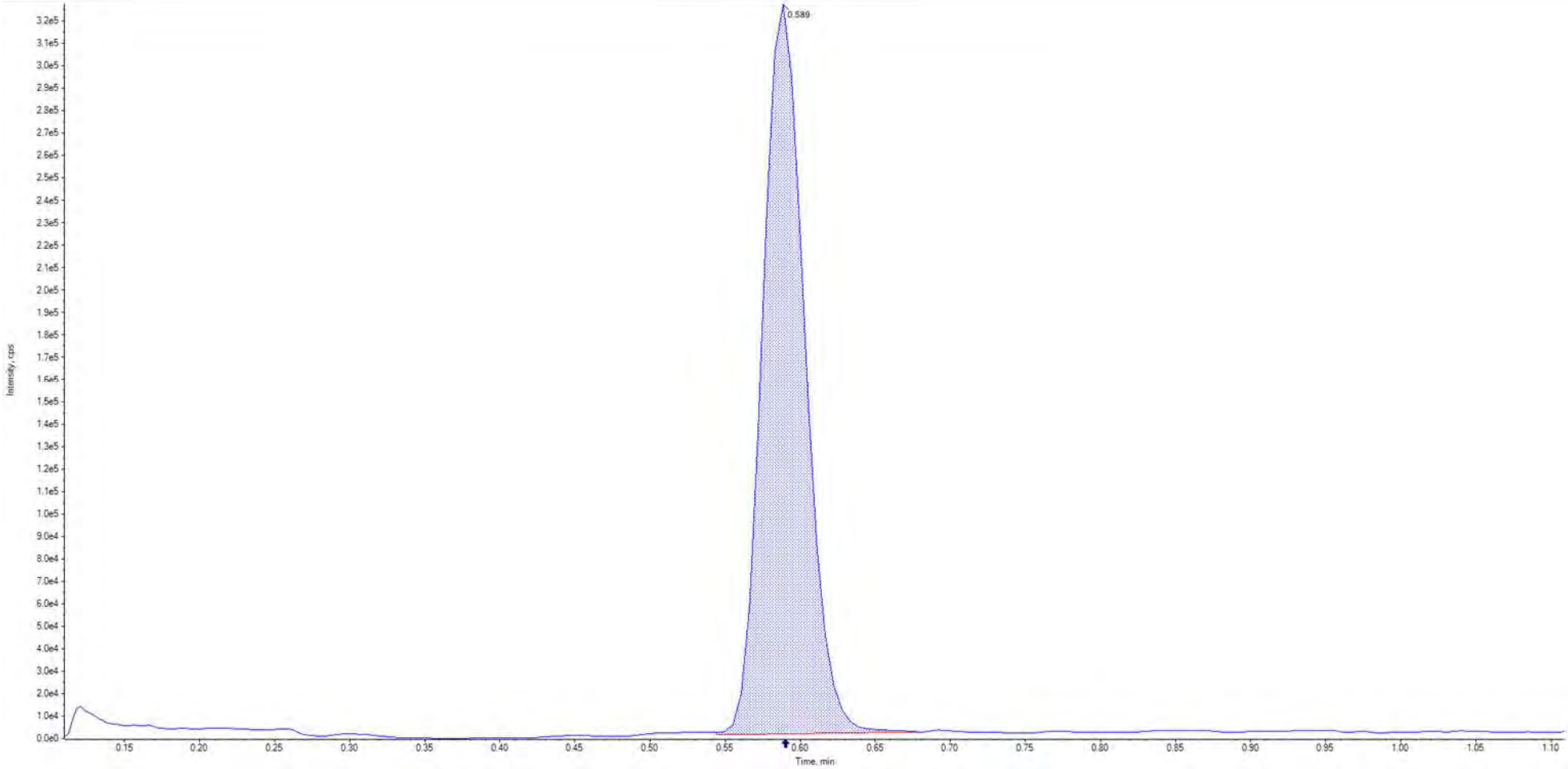
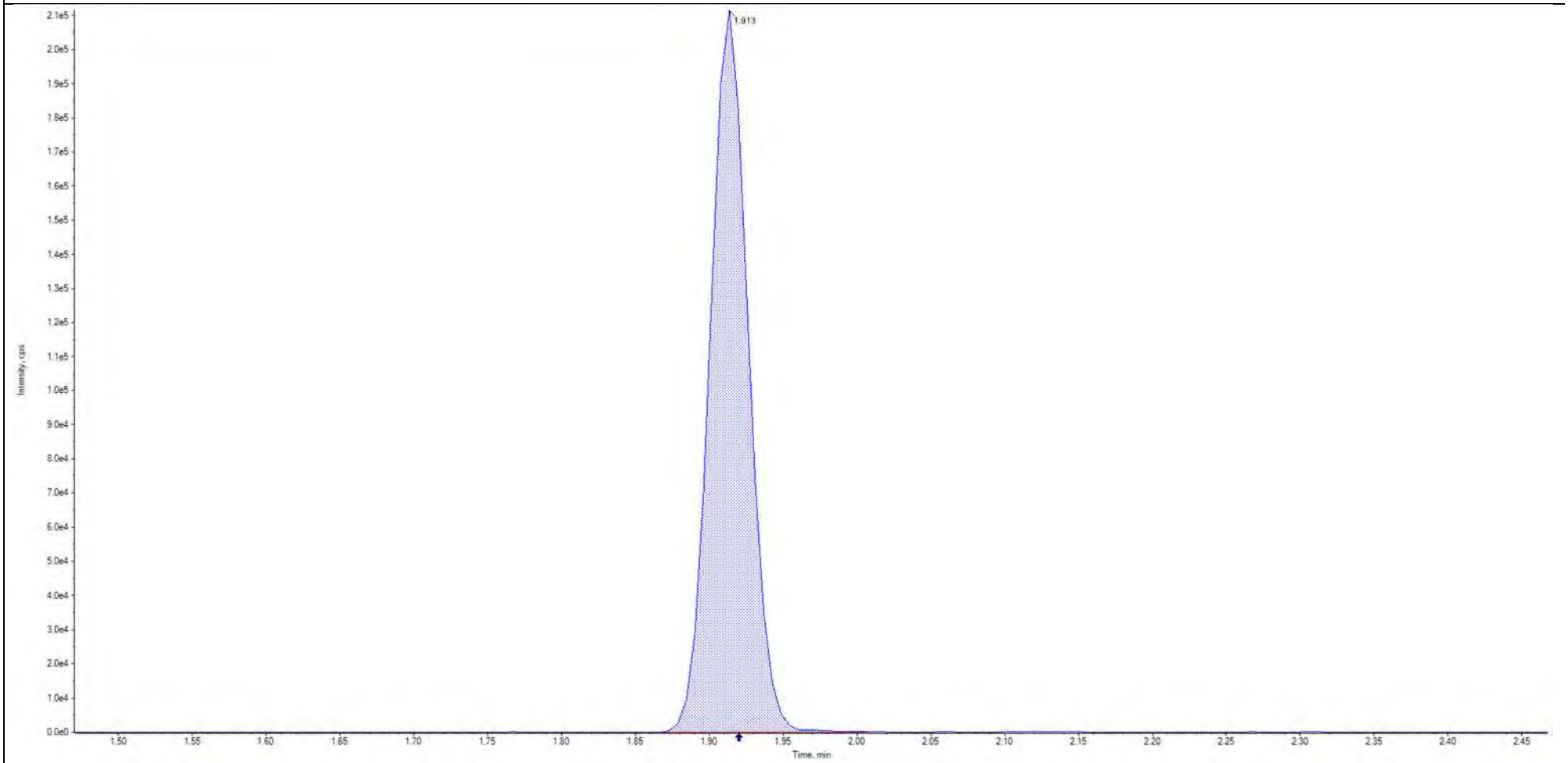
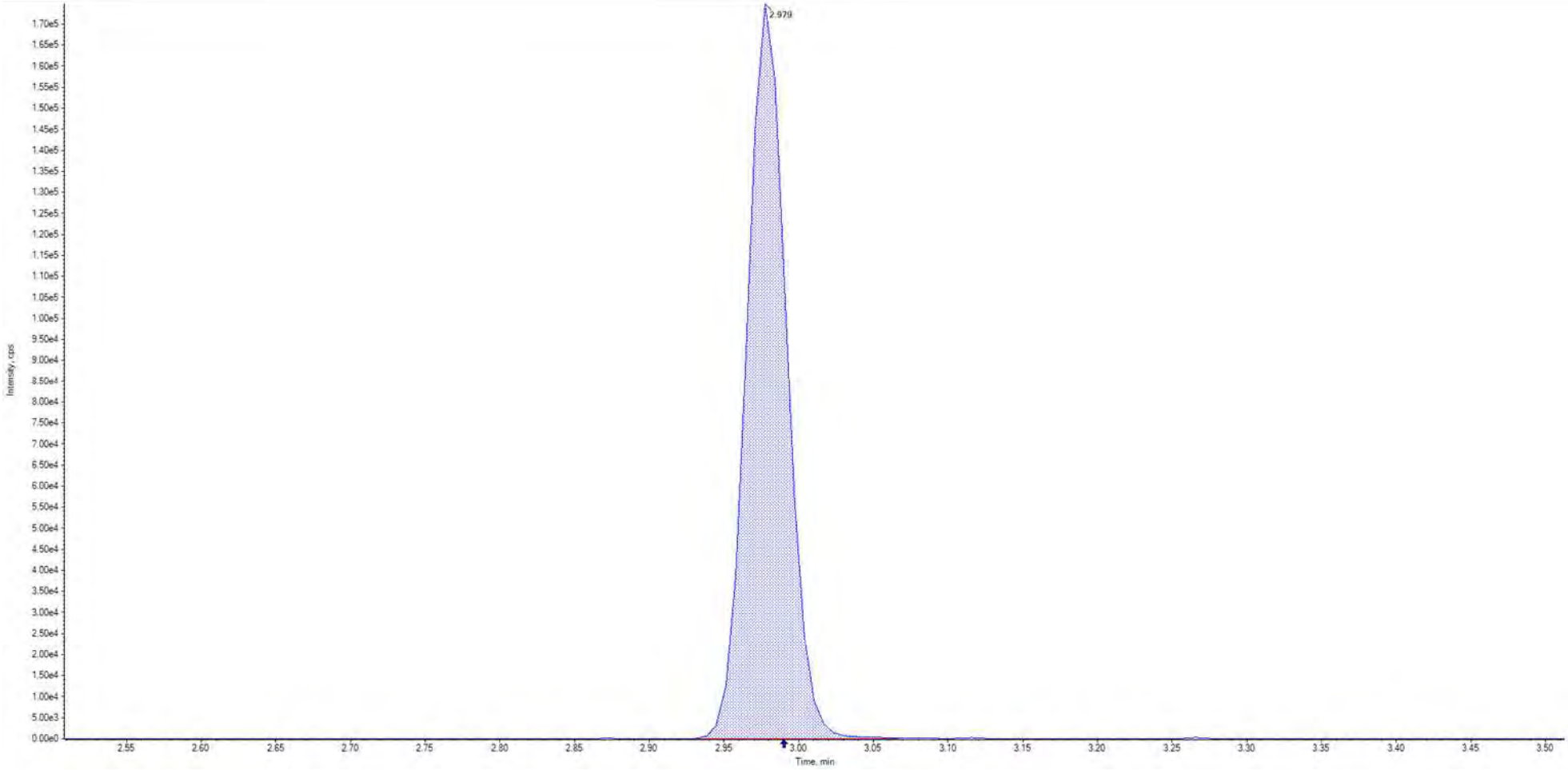
13C3-PFBA
Sample: IA1633STD-25



13C2-PFHxA
Sample: IA1633STD-25



13C4-PFOA
Sample: IA1633STD-25



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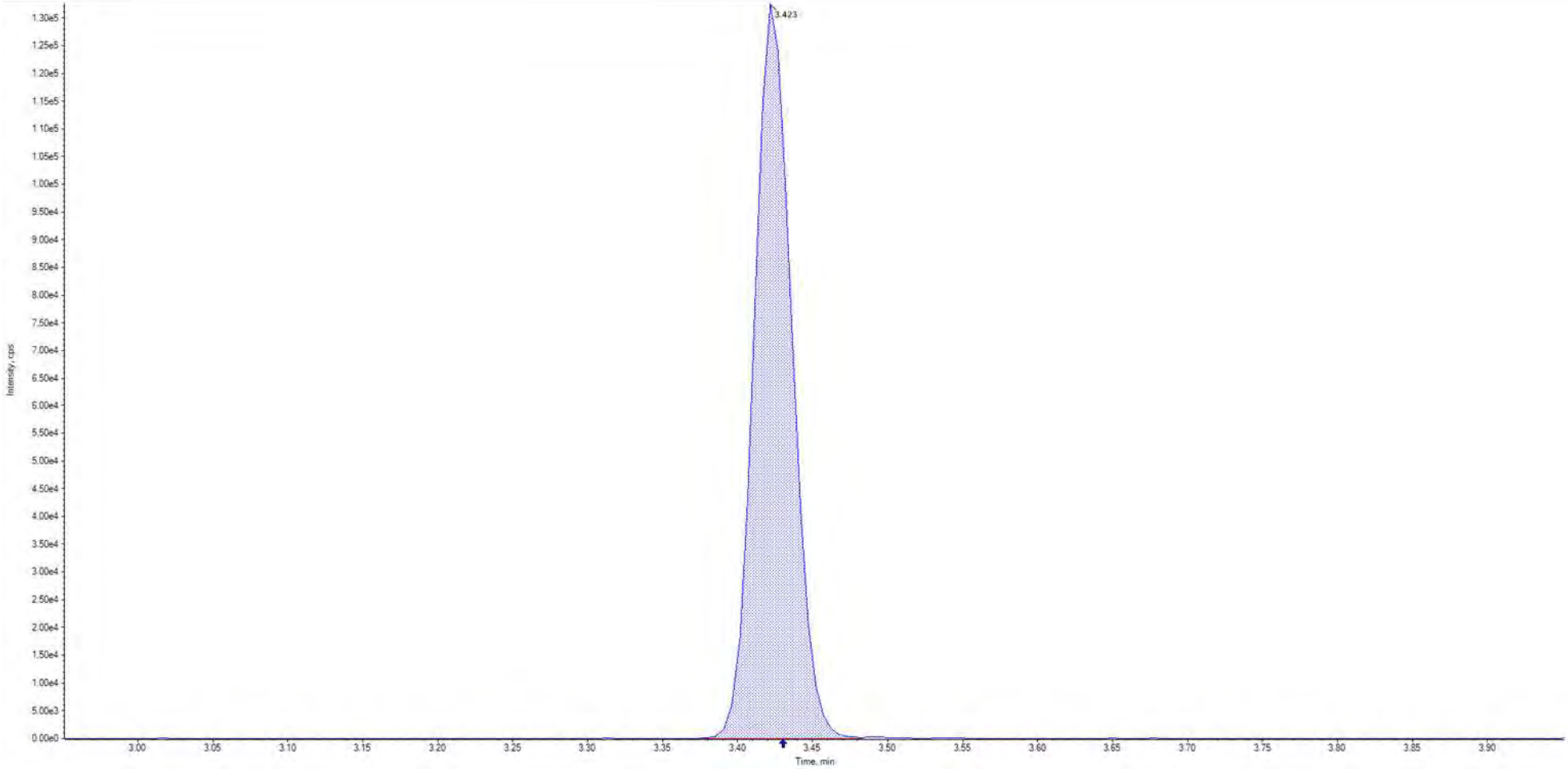
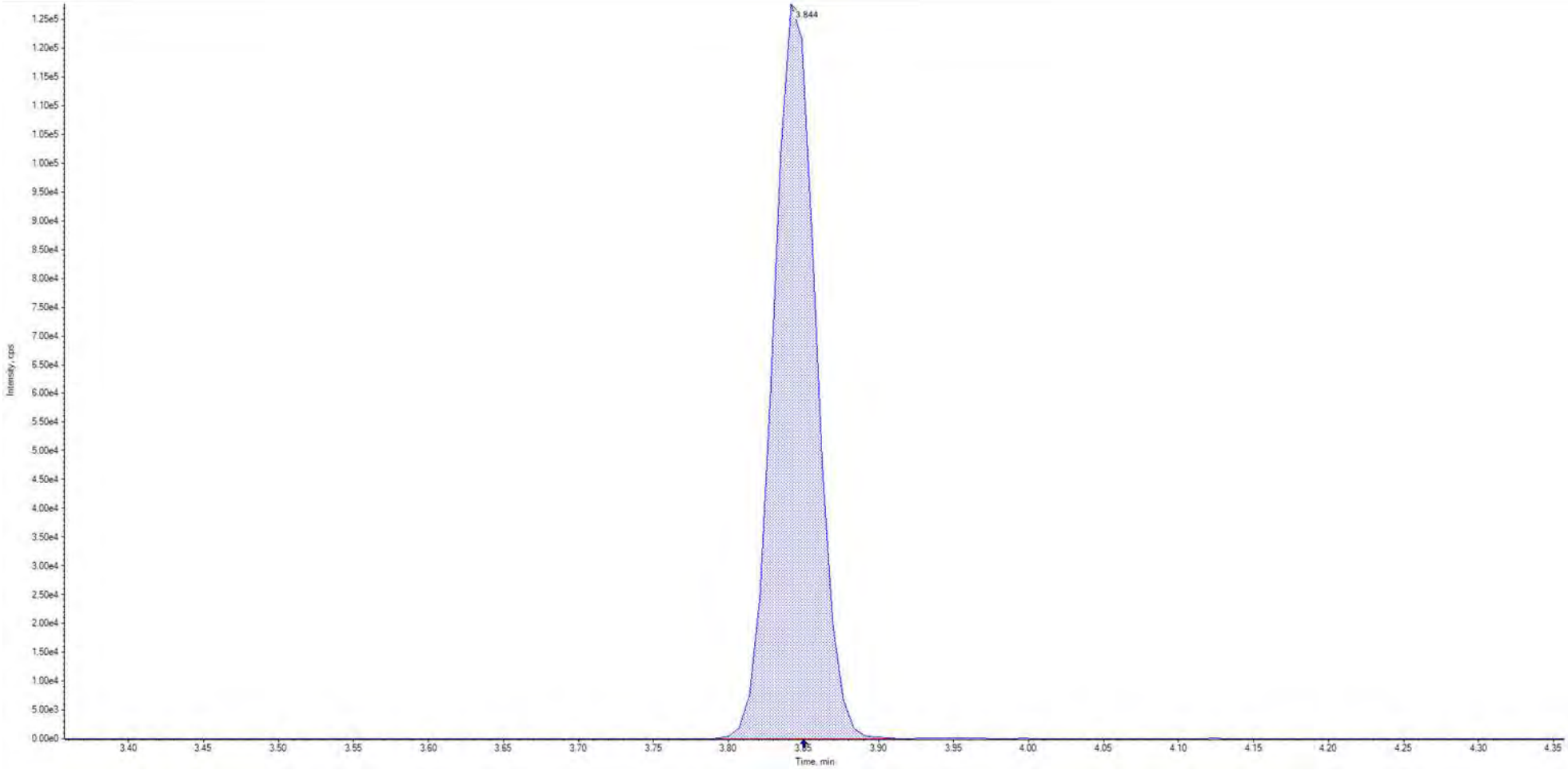
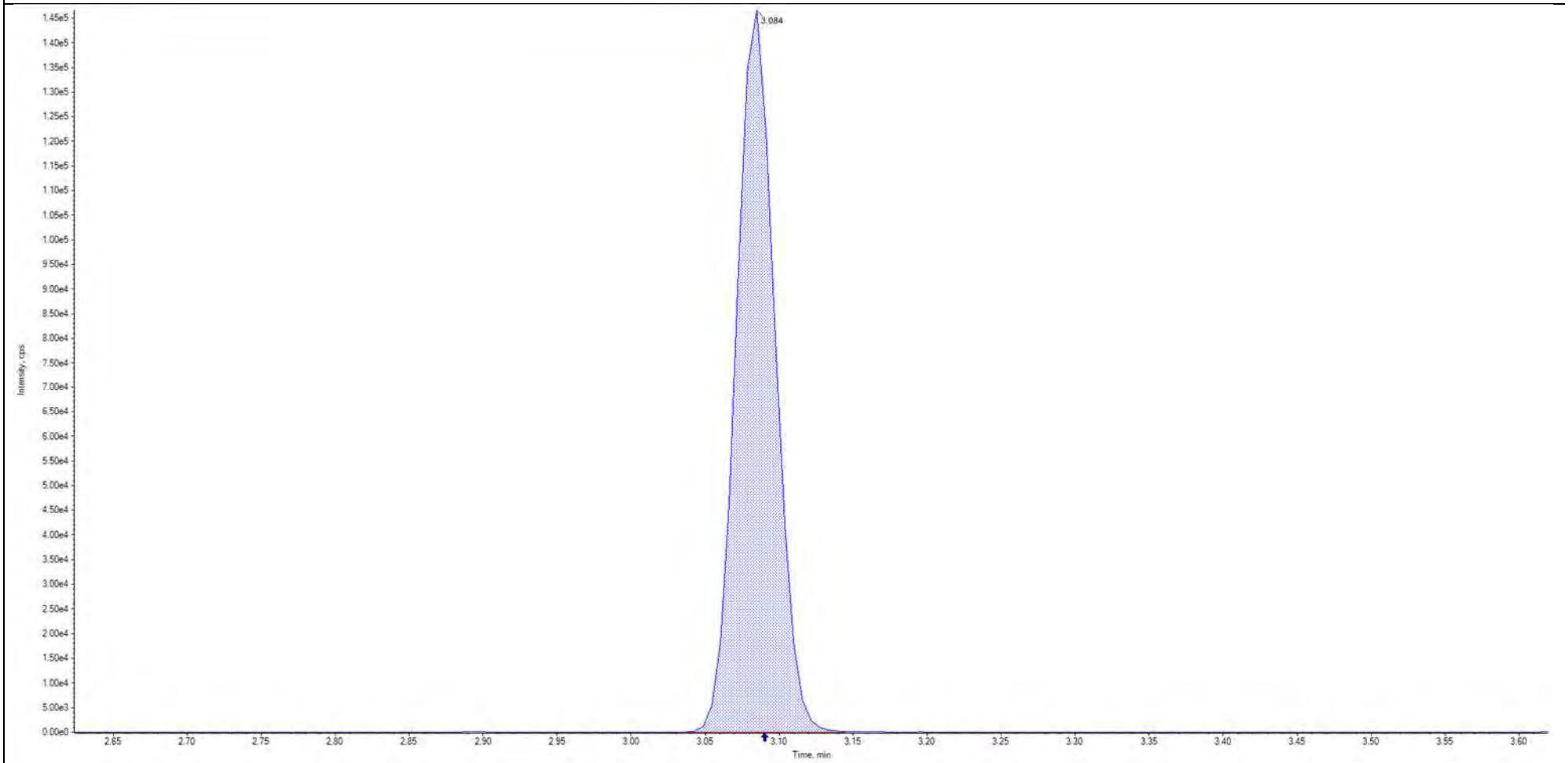
13C5-PFNA
Sample: IA1633STD-25



13C2-PFDA
Sample: IA1633STD-25



18O2-PFHxS
Sample: IA1633STD-25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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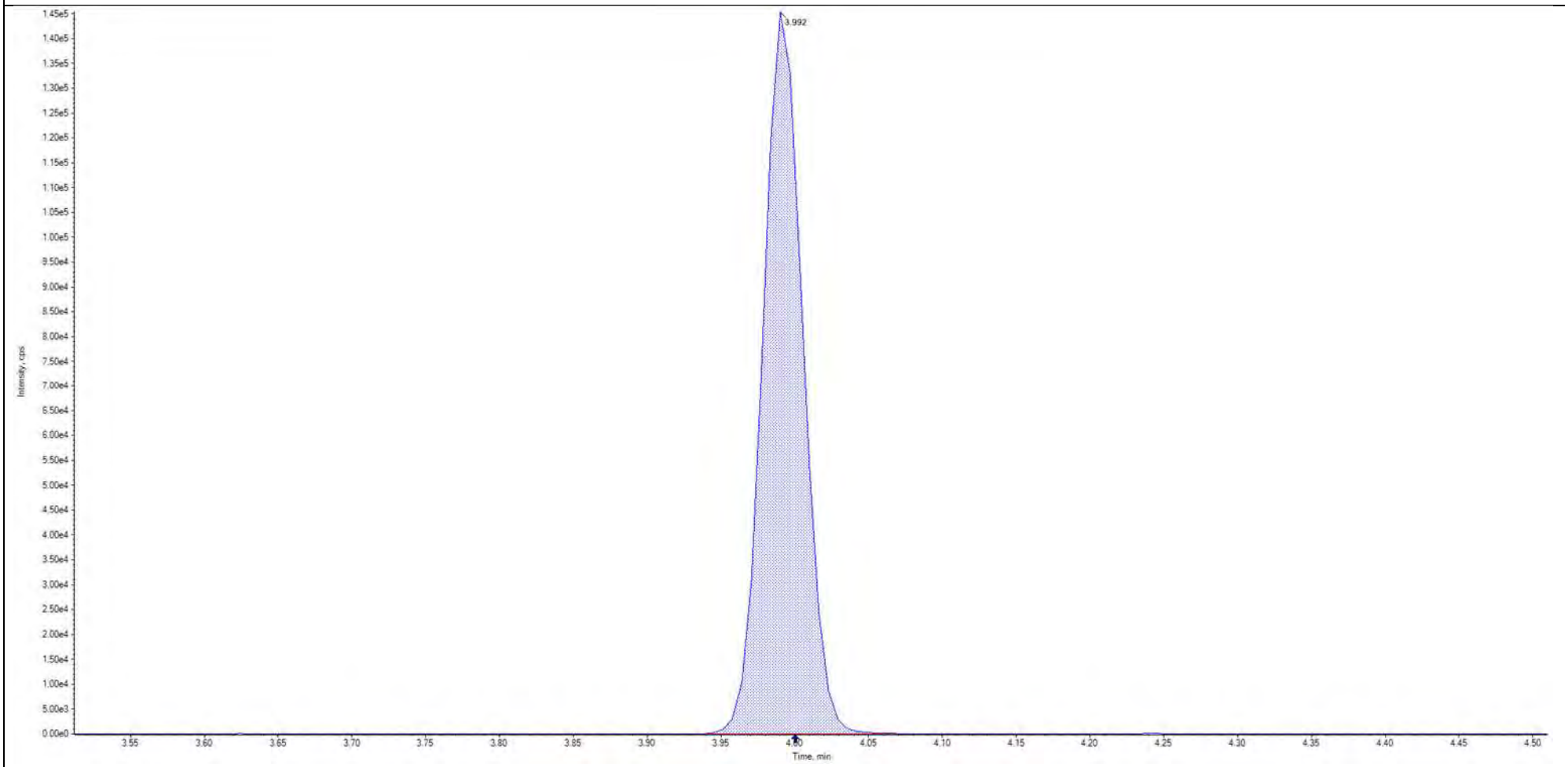
13C4-PFOS
Sample: IA1633STD-25



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
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_29.wiff2_8
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

Method: EPA1633F_250303.qmethod
Calibration: 250303_1633_ICAL

ID: IA1633STD-50
Name: SCI09_250303_29.wiff2
Date & Time: 2025-03-03T15:44:11
Description: WG2035972,,EPA1633F_250228_CAL_L8
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | PFBA | 375-22-4 | 0.60 | 213.0 / 169.0 | 24068781 | | 210.285 | N/A | N/A | N/A | 105.1 |
| 2 | PFPeA | 2706-90-3 | 1.19 | 263.0 / 219.0 | 13165995 | | 103.859 | 0.007 | N/A | N/A | 103.9 |
| 3 | PFPeA_2 | 2706-90-3 | 1.19 | 263.0 / 68.9 | 91997 | | 103.471 | 0.007 | N/A | N/A | 103.5 |
| 4 | PFHxA | 307-24-4 | 1.93 | 313.0 / 269.0 | 8005794 | | 50.842 | 0.087 | 0.081 | Pass | 101.7 |
| 5 | PFHxA_2 | 307-24-4 | 1.93 | 313.0 / 119.0 | 696133 | | 51.996 | 0.087 | 0.081 | Pass | 104.0 |
| 6 | PFHpA | 375-85-9 | 2.51 | 363.1 / 319.0 | 9253281 | | 47.505 | 0.396 | 0.373 | Pass | 95.0 |
| 7 | PFHpA_2 | 375-85-9 | 2.51 | 363.1 / 169.0 | 3660858 | | 47.603 | 0.396 | 0.373 | Pass | 95.2 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | PFOA | 335-67-1 | 3.00 | 413.1 / 369.1 | 9382514 | M5 | 51.876 | 0.442 | 0.424 | Pass | 103.8 |
| 9 | PFOA_2 | 335-67-1 | 3.00 | 413.1 / 169.0 | 4144027 | M5 | 54.132 | 0.442 | 0.424 | Pass | 108.3 |
| 10 | PFNA | 375-95-1 | 3.44 | 462.8 / 418.9 | 6937733 | M5 | 54.893 | 0.493 | 0.493 | Pass | 109.8 |
| 11 | PFNA_2 | 375-95-1 | 3.44 | 462.8 / 219.0 | 3421228 | M5 | 55.594 | 0.493 | 0.493 | Pass | 111.2 |
| 12 | PFDA | 335-76-2 | 3.87 | 513.1 / 469.1 | 9749585 | | 50.343 | 0.181 | 0.188 | Pass | 100.7 |
| 13 | PFDA_2 | 335-76-2 | 3.86 | 513.1 / 219.0 | 1769363 | | 49.622 | 0.181 | 0.188 | Pass | 99.2 |
| 14 | PFUnA | 2058-94-8 | 4.27 | 563.1 / 519.1 | 9277433 | | 49.015 | 0.159 | 0.146 | Pass | 98.0 |
| 15 | PFUnA_2 | 2058-94-8 | 4.27 | 563.1 / 269.0 | 1473369 | | 54.161 | 0.159 | 0.146 | Pass | 108.3 |
| 16 | PFDoA | 307-55-1 | 4.66 | 613.1 / 569.1 | 11328963 | | 49.791 | 0.144 | 0.142 | Pass | 99.6 |
| 17 | PFDoA_2 | 307-55-1 | 4.66 | 613.1 / 319.0 | 1633680 | | 52.099 | 0.144 | 0.142 | Pass | 104.2 |
| 18 | PFTrDA | 72629-94-8 | 5.04 | 663.1 / 619.1 | 10358401 | | 51.821 | 0.157 | 0.152 | Pass | 103.6 |
| 19 | PFTrDA_2 | 72629-94-8 | 5.04 | 663.1 / 169.0 | 1628690 | | 53.054 | 0.157 | 0.152 | Pass | 106.1 |
| 20 | PFTeDA | 376-06-7 | 5.41 | 713.1 / 669.1 | 9185109 | | 48.341 | 0.156 | 0.154 | Pass | 96.7 |
| 21 | PFTeDA_2 | 376-06-7 | 5.41 | 713.1 / 169.0 | 1436142 | | 46.294 | 0.156 | 0.154 | Pass | 92.6 |
| 22 | PFBS | 375-73-5 | 1.93 | 299.1 / 80.1 | 6442266 | | 45.942 | 0.371 | 0.374 | Pass | 103.5 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | PFBS_2 | 375-73-5 | 1.93 | 299.1 / 99.1 | 2388642 | | 48.849 | 0.371 | 0.374 | Pass | 103.9 |
| 24 | PFPeS | 2706-91-4 | 2.57 | 349.1 / 80.1 | 7099834 | | 49.314 | 0.303 | 0.314 | Pass | 104.9 |
| 25 | PFPeS_2 | 2706-91-4 | 2.57 | 349.1 / 99.1 | 2148955 | | 47.535 | 0.303 | 0.314 | Pass | 101.1 |
| 26 | PFHxS | 355-46-4 | 3.10 | 399.1 / 80.1 | 6188572 | M5 | 47.066 | 0.295 | 0.306 | Pass | 103.2 |
| 27 | PFHxS_2 | 355-46-4 | 3.10 | 399.1 / 99.1 | 1823366 | | 47.891 | 0.295 | 0.306 | Pass | 105.0 |
| 28 | PFHpS | 375-92-8 | 3.58 | 449.1 / 80.1 | 6448557 | | 49.150 | 0.295 | 0.316 | Pass | 103.3 |
| 29 | PFHpS_2 | 375-92-8 | 3.57 | 449.1 / 99.1 | 1900434 | | 47.338 | 0.295 | 0.316 | Pass | 99.5 |
| 30 | PFOS | 1763-23-1 | 4.01 | 499.1 / 80.1 | 7481587 | M5 | 46.880 | 0.256 | 0.244 | Pass | 101.0 |
| 31 | PFOS_2 | 1763-23-1 | 4.01 | 499.1 / 99.1 | 1912657 | | 47.702 | 0.256 | 0.244 | Pass | 102.8 |
| 32 | PFNS | 68259-12-1 | 4.43 | 549.1 / 80.1 | 5205066 | | 47.903 | 0.291 | 0.294 | Pass | 99.8 |
| 33 | PFNS_2 | 68259-12-1 | 4.42 | 549.1 / 99.1 | 1514762 | | 48.769 | 0.291 | 0.294 | Pass | 101.6 |
| 34 | PFDS | 335-77-3 | 4.82 | 599.1 / 80.1 | 5221579 | | 48.915 | 0.286 | 0.290 | Pass | 101.5 |
| 35 | PFDS_2 | 335-77-3 | 4.82 | 599.1 / 99.1 | 1490828 | | 49.456 | 0.286 | 0.290 | Pass | 102.6 |
| 36 | PFDoS | 79780-39-5 | 5.56 | 699.2 / 80.1 | 4770330 | | 49.048 | 0.252 | 0.256 | Pass | 101.3 |
| 37 | PFDoS_2 | 79780-39-5 | 5.56 | 699.2 / 99.1 | 1202949 | | 47.986 | 0.252 | 0.256 | Pass | 99.2 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 38 | 4:2FTS | 757124-72-4 | 1.73 | 327.1 / 307.1 | 6660449 | | 193.838 | 0.637 | 0.650 | Pass | 103.7 |
| 39 | 4:2FTS_2 | 757124-72-4 | 1.73 | 327.1 / 81.1 | 4242953 | | 191.319 | 0.637 | 0.650 | Pass | 102.3 |
| 40 | 6:2FTS | 27619-97-2 | 2.81 | 427.2 / 407.2 | 5948441 | | 179.300 | 0.638 | 0.620 | Pass | 94.4 |
| 41 | 6:2FTS_2 | 27619-97-2 | 2.81 | 427.2 / 81.1 | 3795702 | | 178.504 | 0.638 | 0.620 | Pass | 94.0 |
| 42 | 8:2FTS | 39108-34-4 | N/A | 527.2 / 507.2 | N/A | | N/A | N/A | 0.676 | N/A | N/A |
| 43 | 8:2FTS_2 | 39108-34-4 | N/A | 527.2 / 81.1 | N/A | | N/A | N/A | 0.676 | N/A | N/A |
| 44 | PFOSA | 754-91-6 | 5.25 | 498.1 / 78.1 | 9546074 | M5 | 53.215 | 0.024 | 0.026 | Pass | 106.4 |
| 45 | PFOSA_2 | 754-91-6 | 5.25 | 498.1 / 478.0 | 224986 | M5 | 48.550 | 0.024 | 0.026 | Pass | 97.1 |
| 46 | NMeFOSA | 31506-32-8 | 5.99 | 512.2 / 219.0 | 2438874 | M5 | 52.996 | 1.381 | 1.377 | Pass | 106.0 |
| 47 | NMeFOSA_2 | 31506-32-8 | 5.94 | 512.2 / 169.0 | 3367080 | M5 | 52.656 | 1.381 | 1.377 | Pass | 105.3 |
| 48 | NEtFOSA | 4151-50-2 | 6.28 | 526.2 / 219.0 | 2344301 | | 52.660 | 1.265 | 1.292 | Pass | 105.3 |
| 49 | NEtFOSA_2 | 4151-50-2 | 6.24 | 526.2 / 169.0 | 2965247 | | 53.384 | 1.265 | 1.292 | Pass | 106.8 |
| 50 | NMeFOSAA | 2355-31-9 | 3.99 | 570.2 / 419.1 | 1289199 | | 53.596 | 0.684 | 0.697 | Pass | 107.2 |
| 51 | NMeFOSAA_2 | 2355-31-9 | 3.99 | 570.2 / 483.0 | 882078 | | 51.041 | 0.684 | 0.697 | Pass | 102.1 |
| 52 | NEtFOSAA | 2991-50-6 | 4.20 | 584.2 / 419.1 | 1274167 | | 50.631 | 0.572 | 0.557 | Pass | 101.3 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | NEtFOSAA_2 | 2991-50-6 | 4.20 | 584.2 / 526.2 | 728366 | M5 | 52.507 | 0.572 | 0.557 | Pass | 105.0 |
| 54 | NMeFOSE | 24448-09-7 | 5.85 | 616.1 / 58.9 | 35316875 | M5 | 540.772 | N/A | N/A | N/A | 108.2 |
| 55 | NEtFOSE | 1691-99-2 | 6.15 | 630.0 / 58.9 | 46839270 | M5 | 524.078 | N/A | N/A | N/A | 104.8 |
| 56 | HFPO-DA | 13252-13-6 | 2.14 | 285.0 / 169.0 | 28089338 | | 206.507 | 0.495 | 0.501 | Pass | 103.3 |
| 57 | HFPO-DA_2 | 13252-13-6 | 2.14 | 285.0 / 184.9 | 13906692 | | 193.913 | 0.495 | 0.501 | Pass | 97.0 |
| 58 | ADONA | 919005-14-4 | 2.69 | 376.9 / 251.0 | 41854908 | | 145.788 | 0.746 | 0.691 | Pass | 77.1 |
| 59 | ADONA_2 | 919005-14-4 | 2.69 | 376.9 / 84.8 | 31210593 | | 164.089 | 0.746 | 0.691 | Pass | 86.8 |
| 60 | 9Cl-PF3ONS | 756426-58-1 | 4.30 | 530.8 / 351.1 | 43985831 | | 161.739 | 0.336 | 0.332 | Pass | 86.5 |
| 61 | 9Cl-PF3ONS_2 | 756426-58-1 | 4.30 | 532.8 / 353.0 | 14765600 | | 163.344 | 0.336 | 0.332 | Pass | 87.4 |
| 62 | 11Cl-PF3OUdS | 763051-92-9 | 5.08 | 630.9 / 451.0 | 37585090 | | 163.432 | 0.322 | 0.322 | Pass | 86.5 |
| 63 | 11Cl-PF3OUdS_2 | 763051-92-9 | 5.08 | 632.9 / 452.9 | 12101519 | | 163.936 | 0.322 | 0.322 | Pass | 86.7 |
| 64 | 3:3FTCA | 356-02-5 | 1.58 | 241.1 / 177.1 | 2933501 | | 299.691 | 1.022 | 1.010 | Pass | 119.9 |
| 65 | 3:3FTCA_2 | 356-02-5 | 1.58 | 241.1 / 117.0 | 2997797 | | 282.049 | 1.022 | 1.010 | Pass | 112.8 |
| 66 | 5:3FTCA | 914637-49-3 | 3.04 | 341.1 / 237.1 | 48209215 | | 1224.387 | 1.029 | 1.017 | Pass | 98.0 |
| 67 | 5:3FTCA_2 | 914637-49-3 | 3.04 | 341.1 / 217.0 | 49591047 | | 1250.010 | 1.029 | 1.017 | Pass | 100.0 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 7:3FTCA | 812-70-4 | 4.07 | 441.1 / 316.9 | 48312405 | | 1408.433 | 1.157 | 1.343 | Pass | 112.7 |
| 69 | 7:3FTCA_2 | 812-70-4 | 4.07 | 441.1 / 337.1 | 55887926 | | 1232.532 | 1.157 | 1.343 | Pass | 98.6 |
| 70 | PFEESA | 113507-82-7 | 2.24 | 315.1 / 135.0 | 38438538 | | 93.936 | 0.082 | 0.081 | Pass | 105.3 |
| 71 | PFEESA_2 | 113507-82-7 | 2.24 | 315.1 / 82.9 | 3141191 | | 93.331 | 0.082 | 0.081 | Pass | 104.6 |
| 72 | PFMPA | 377-73-1 | 0.76 | 229.0 / 85.0 | 14008445 | | 117.007 | N/A | N/A | N/A | 117.0 |
| 73 | PFMBA | 863090-89-5 | 1.45 | 279.0 / 85.0 | 15351804 | | 105.806 | N/A | N/A | N/A | 105.8 |
| 74 | NFDHA | 151772-58-6 | 1.86 | 295.0 / 201.0 | 11291899 | | 105.423 | 0.709 | 0.681 | Pass | 105.4 |
| 75 | NFDHA_2 | 151772-58-6 | 1.86 | 295.0 / 84.9 | 8000907 | | 105.542 | 0.709 | 0.681 | Pass | 105.5 |
| 76 | TDCA | 516-50-7 | N/A | 499.1 / 124.1 | N/A | | N/A | N/A | 5.680 | N/A | N/A |
| 77 | TDCA_2 | 516-50-7 | N/A | 499.1 / 79.9 | N/A | | N/A | N/A | 5.680 | N/A | N/A |
| 78 | 13C2D4-4:2FTS | Surr | 1.72 | 333.2 / 312.1 | 127883 | | 5.347 | N/A | N/A | N/A | 106.9 |
| 79 | 13C2-PFOA | Surr | 3.00 | 415.0 / 370.0 | 328767 | | 2.637 | N/A | N/A | N/A | 105.5 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C4-PFBA | EIS | 0.60 | 217.0 / 172.0 | 1280734 | | 10.239 | NA | NA | NA | 102.4 |

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Generated: 3/3/2025 3:16:24 PM

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C5-PFPeA | EIS | 1.19 | 268.0 / 223.0 | 660469 | | 5.357 | NA | NA | NA | 107.1 |
| | 13C5-PFHxA | EIS | 1.93 | 318.0 / 273.0 | 307402 | | 2.652 | NA | NA | NA | 106.1 |
| | 13C4-PFHpA | EIS | 2.51 | 367.0 / 322.0 | 335449 | | 3.000 | NA | NA | NA | 120.0 |
| | 13C8-PFOA | EIS | 2.99 | 420.8 / 376.0 | 529023 | | 2.360 | NA | NA | NA | 94.4 |
| | 13C9-PFNA | EIS | 3.44 | 472.0 / 427.0 | 234293 | | 1.255 | NA | NA | NA | 100.4 |
| | 13C6-PFDA | EIS | 3.86 | 519.0 / 474.0 | 273817 | | 1.353 | NA | NA | NA | 108.3 |
| | 13C7-PFUnA | EIS | 4.26 | 570.0 / 525.0 | 279442 | | 1.252 | NA | NA | NA | 100.1 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C2-PFDoA | EIS | 4.65 | 615.1 / 570.0 | 300975 | | 1.340 | NA | NA | NA | 107.2 |
| | 13C2-PFTeDA | EIS | 5.40 | 715.1 / 670.1 | 208984 | | 1.435 | NA | NA | NA | 114.8 |
| | 13C3-PFBS | EIS | 1.93 | 302.1 / 80.1 | 307558 | | 2.267 | NA | NA | NA | 97.3 |
| | 13C3-PFHxS | EIS | 3.10 | 402.1 / 80.1 | 300885 | | 2.496 | NA | NA | NA | 105.3 |
| | 13C8-PFOS | EIS | 4.01 | 507.1 / 80.1 | 334761 | | 2.483 | NA | NA | NA | 103.5 |
| | 13C2-4:2FTS | EIS | 1.72 | 329.1 / 81.1 | 104704 | | 5.234 | NA | NA | NA | 111.6 |
| | 13C2-6:2FTS | EIS | 2.81 | 429.2 / 81.1 | 98174 | | 5.700 | NA | NA | NA | 119.8 |
| | 13C2-8:2FTS | EIS | 3.68 | 529.2 / 81.1 | 109677 | | 6.290 | NA | NA | NA | 131.0 |

| 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 | 560053 | | 2.617 | NA | NA | NA | 104.7 |
| d3-NMeFOSA | EIS | 5.98 | 515.2 / 219.0 | 102640 | | 2.656 | NA | NA | NA | 106.2 |
| d5-NEtFOSA | EIS | 6.27 | 531.2 / 219.0 | 91351 | | 2.599 | NA | NA | NA | 104.0 |
| d3-NMeFOSAA | EIS | 3.99 | 573.2 / 419.1 | 132309 | | 5.004 | NA | NA | NA | 100.1 |
| d5-NEtFOSAA | EIS | 4.20 | 589.3 / 419.1 | 116072 | | 5.493 | NA | NA | NA | 109.9 |
| d7-NMeFOSE | EIS | 5.83 | 623.2 / 58.9 | 720708 | | 25.926 | NA | NA | NA | 103.7 |
| d9-NEtFOSE | EIS | 6.13 | 639.2 / 58.9 | 946123 | | 25.371 | NA | NA | NA | 101.5 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C3-HFPO-DA | EIS | 2.14 | 287.0 / 169.0 | 1342192 | | 10.948 | NA | NA | NA | 109.5 |
| | 13C3-PFBA | NIS | 0.60 | 216.0 / 172.0 | 553474 | | 3.819 | NA | NA | NA | 76.4 |
| | 13C2-PFHxA | NIS | 1.93 | 315.0 / 270.0 | 341317 | | 2.106 | NA | NA | NA | 84.2 |
| | 13C4-PFOA | NIS | 2.99 | 417.0 / 372.0 | 340601 | | 2.369 | NA | NA | NA | 94.8 |
| | 13C5-PFNA | NIS | 3.44 | 468.0 / 423.0 | 233897 | | 1.135 | NA | NA | NA | 90.8 |
| | 13C2-PFDA | NIS | 3.86 | 515.1 / 470.1 | 236126 | | 1.110 | NA | NA | NA | 88.8 |
| | 18O2-PFHxS | NIS | 3.10 | 403.1 / 84.1 | 253531 | | 2.154 | NA | NA | NA | 90.9 |
| | 13C4-PFOS | NIS | 4.01 | 503.1 / 80.1 | 271206 | | 2.256 | NA | NA | NA | 94.0 |

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

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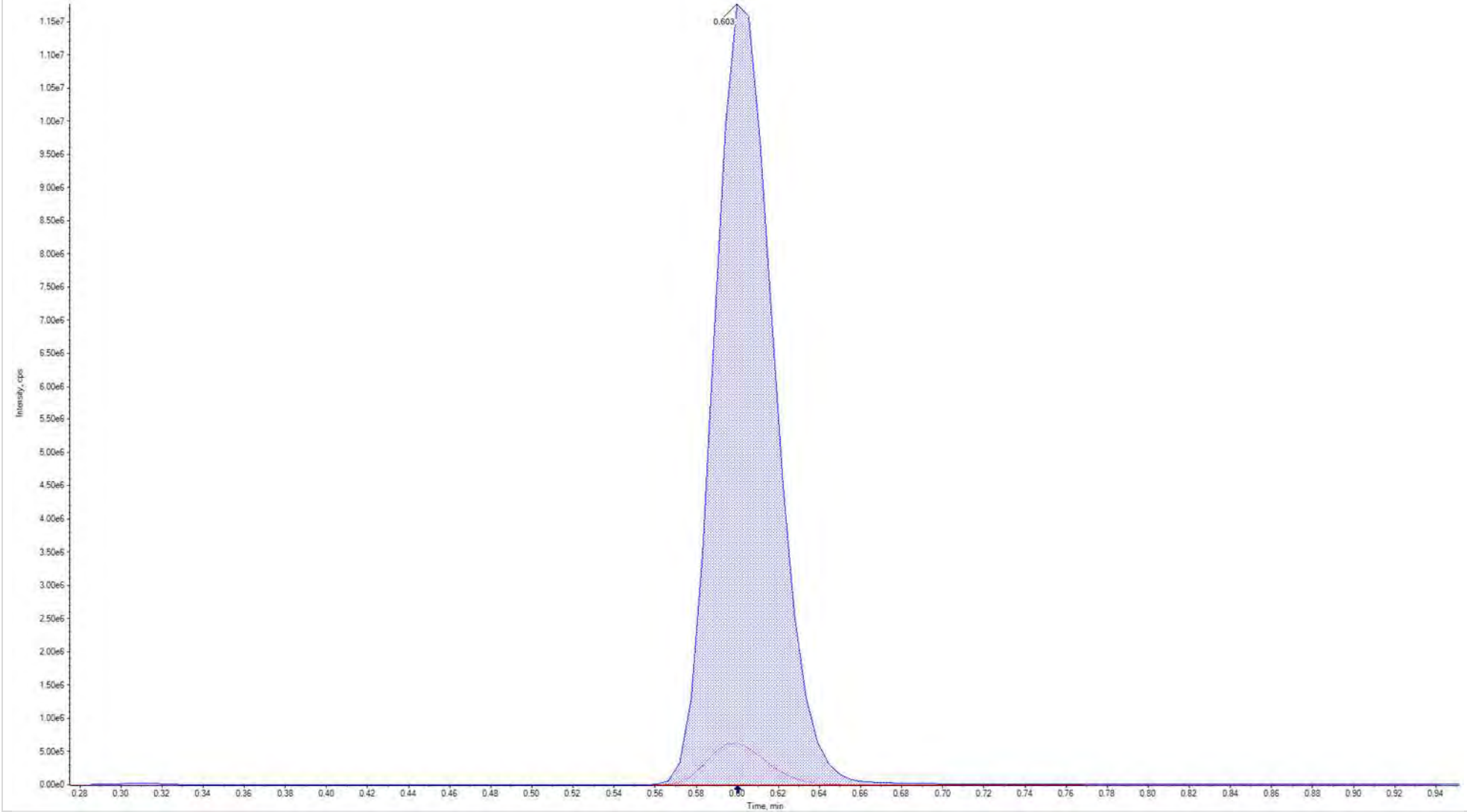
PFBA
Sample: IA1633STD-50 S/N:7485.4 Points Across peak:43



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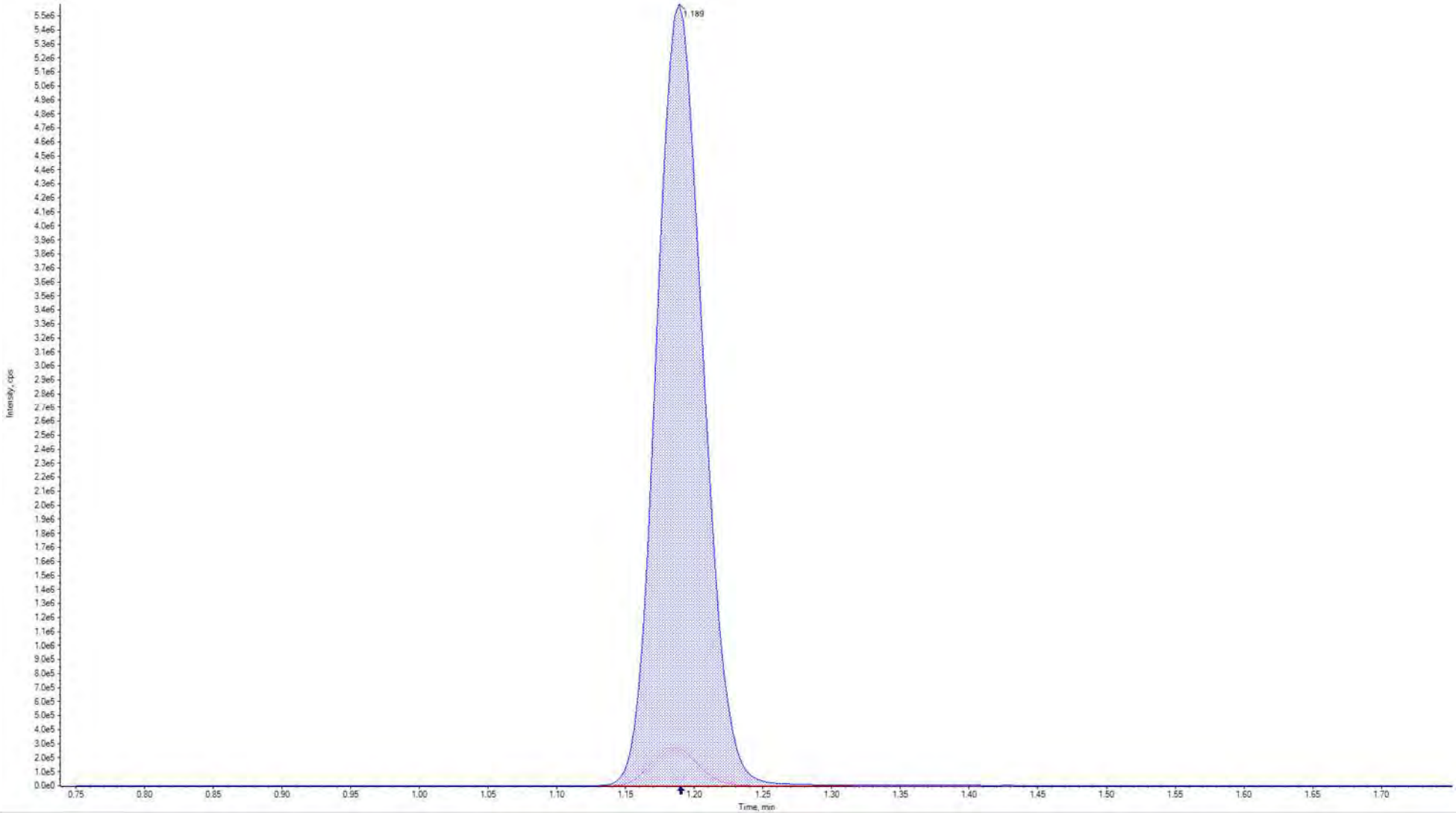
PFPeA
Sample: IA1633STD-50 S/N:16422.9 Points Across peak:60



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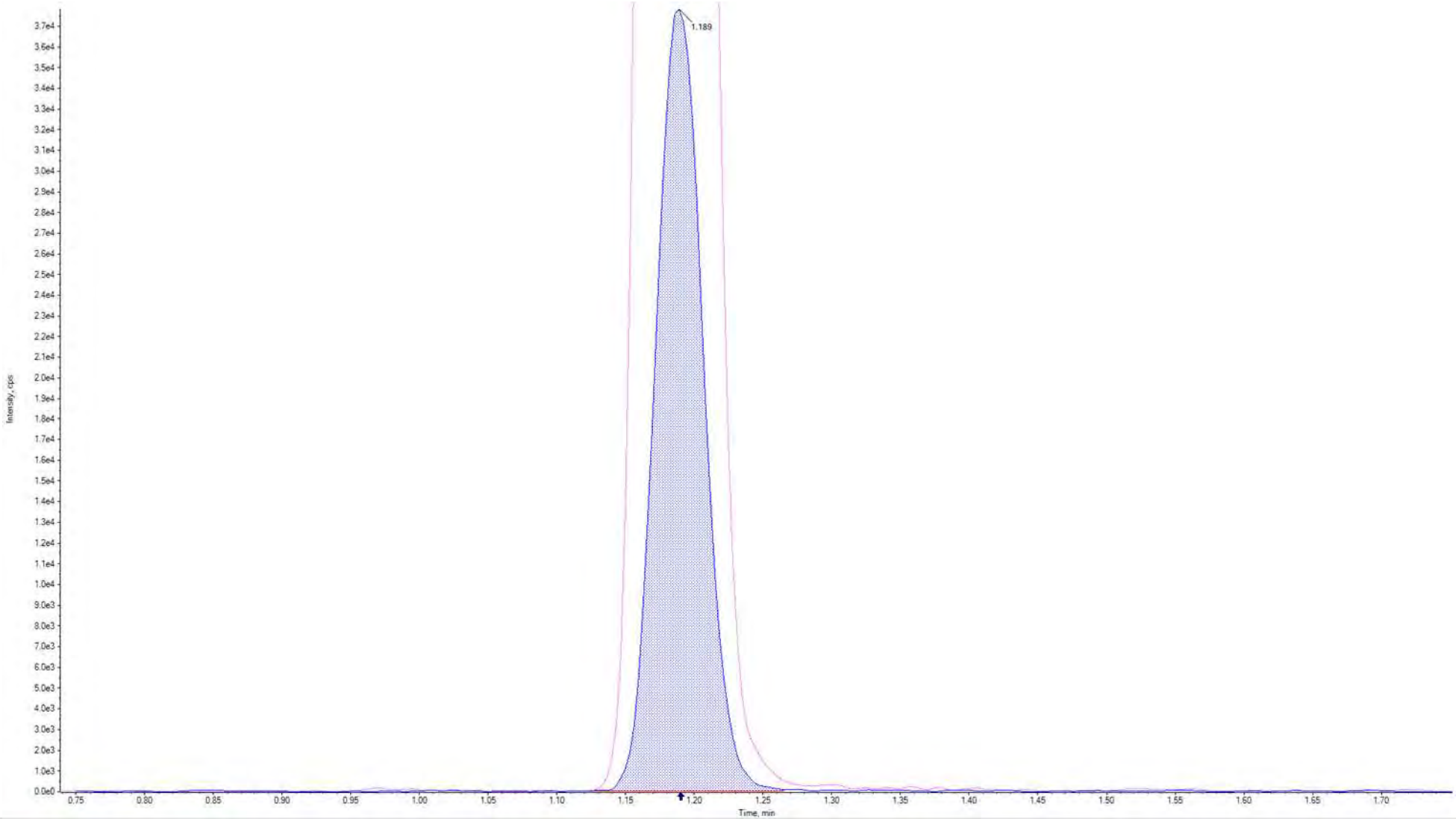
PFPeA_2
Sample: IA1633STD-50 S/N:2273.9 Points Across peak:45



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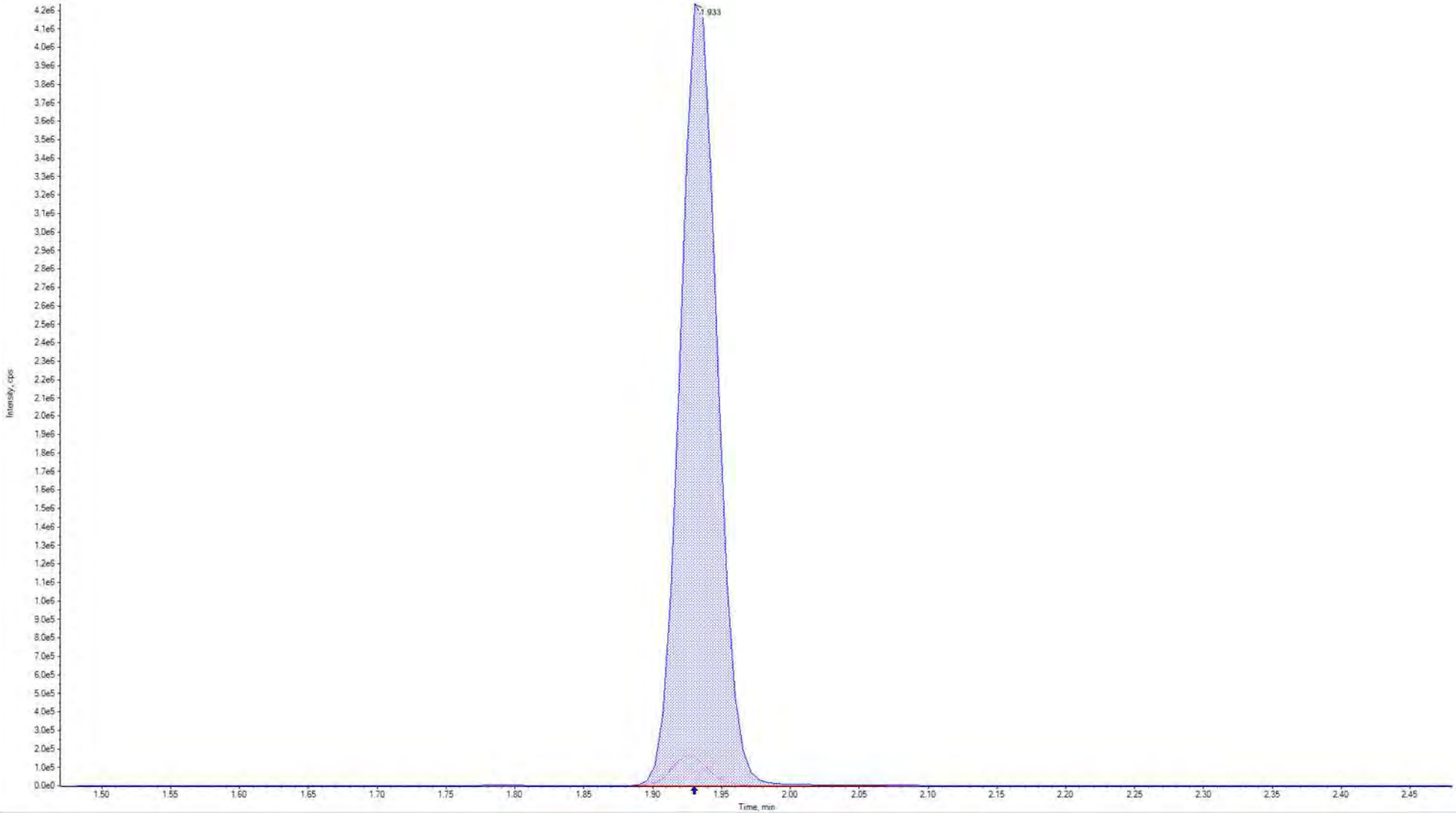
PFHxA
Sample: IA1633STD-50 S/N:30867.4 Points Across peak:35



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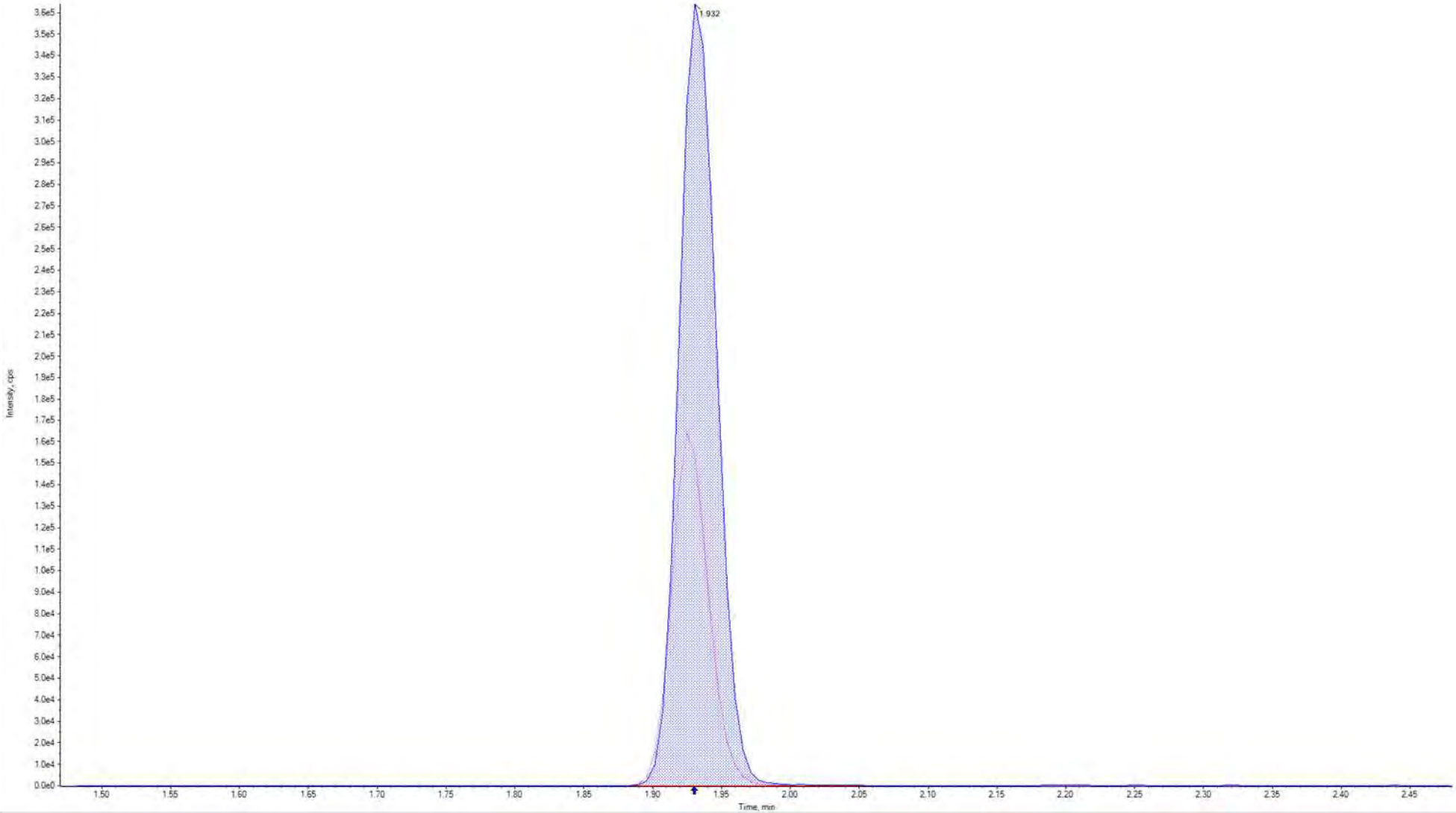
PFHxA_2
Sample: IA1633STD-50 S/N:9123.8 Points Across peak:34



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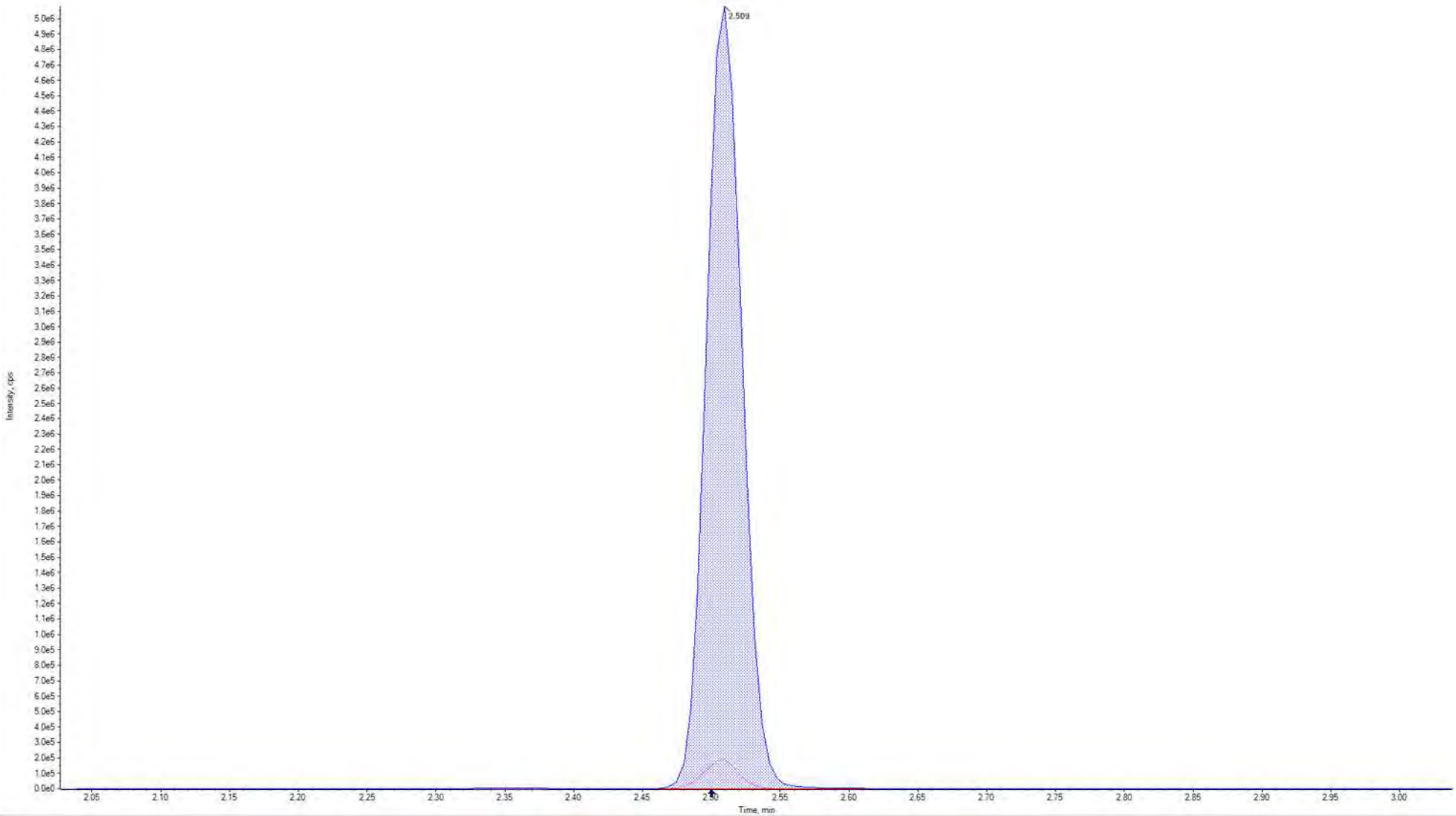
PFHpA
Sample: IA1633STD-50 S/N:16135.7 Points Across peak:37



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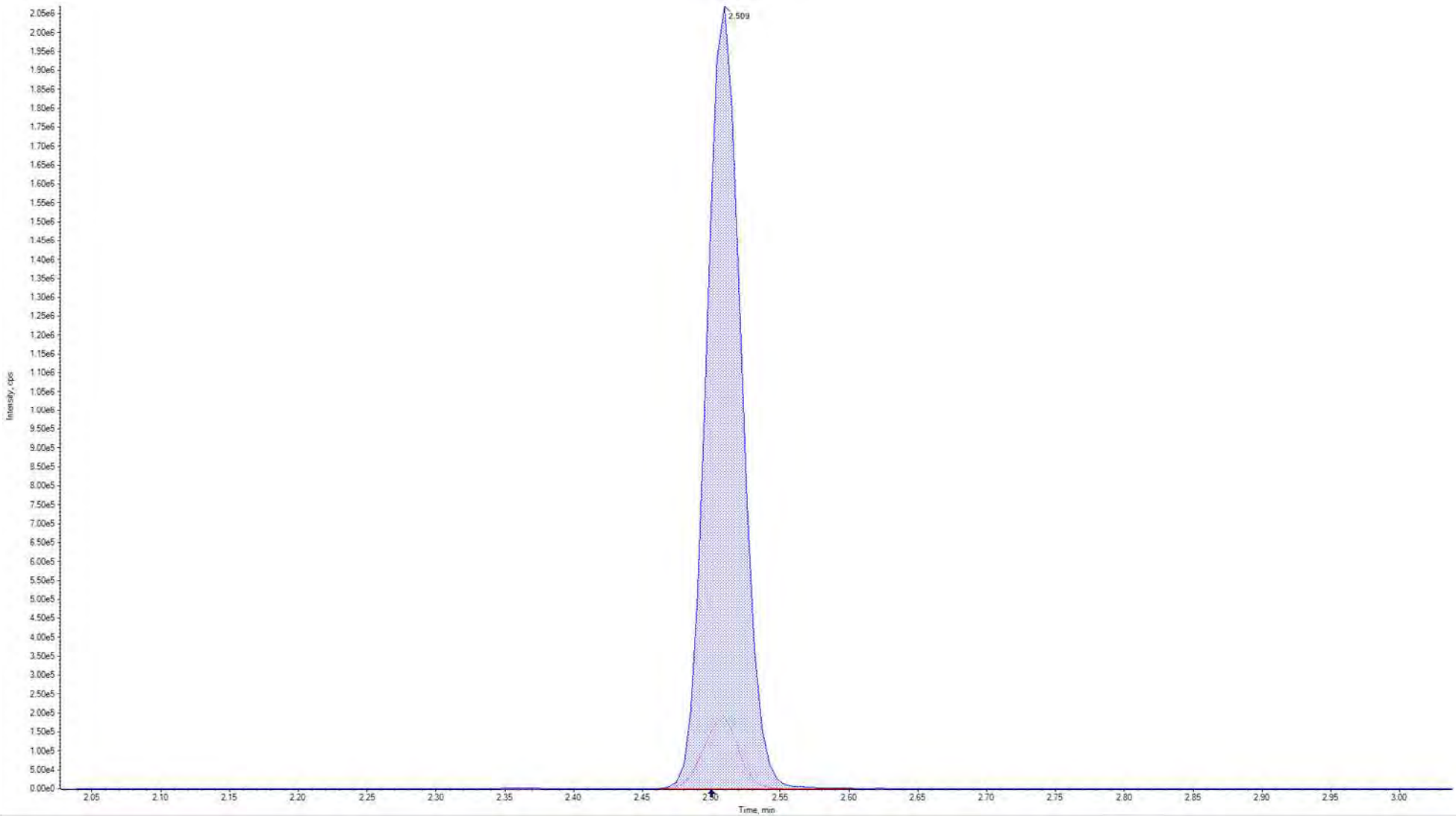
PFHpA_2
Sample: IA1633STD-50 S/N:41508.7 Points Across peak:30



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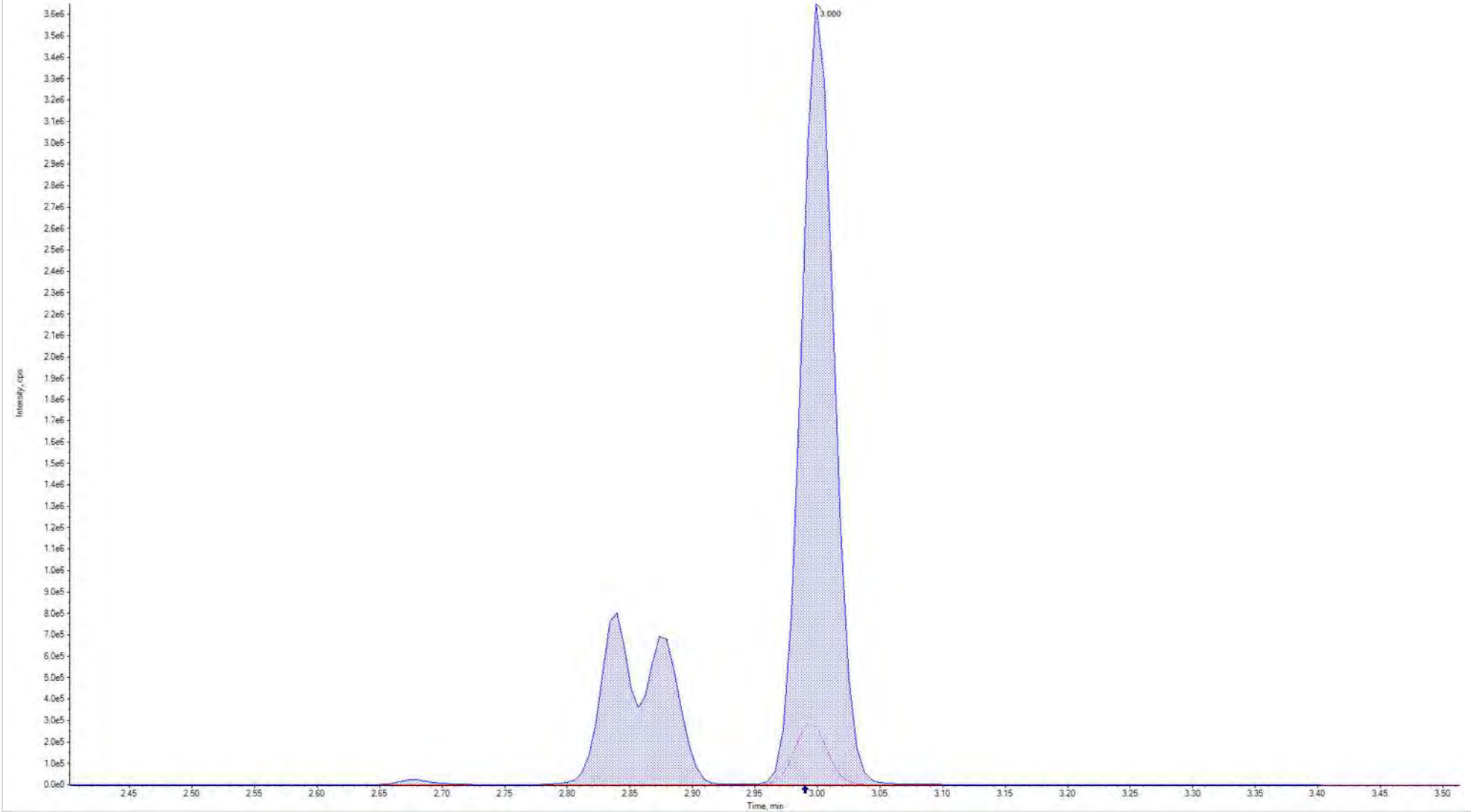
PFOA
Sample: IA1633STD-50 S/N:835.1 Points Across peak:80



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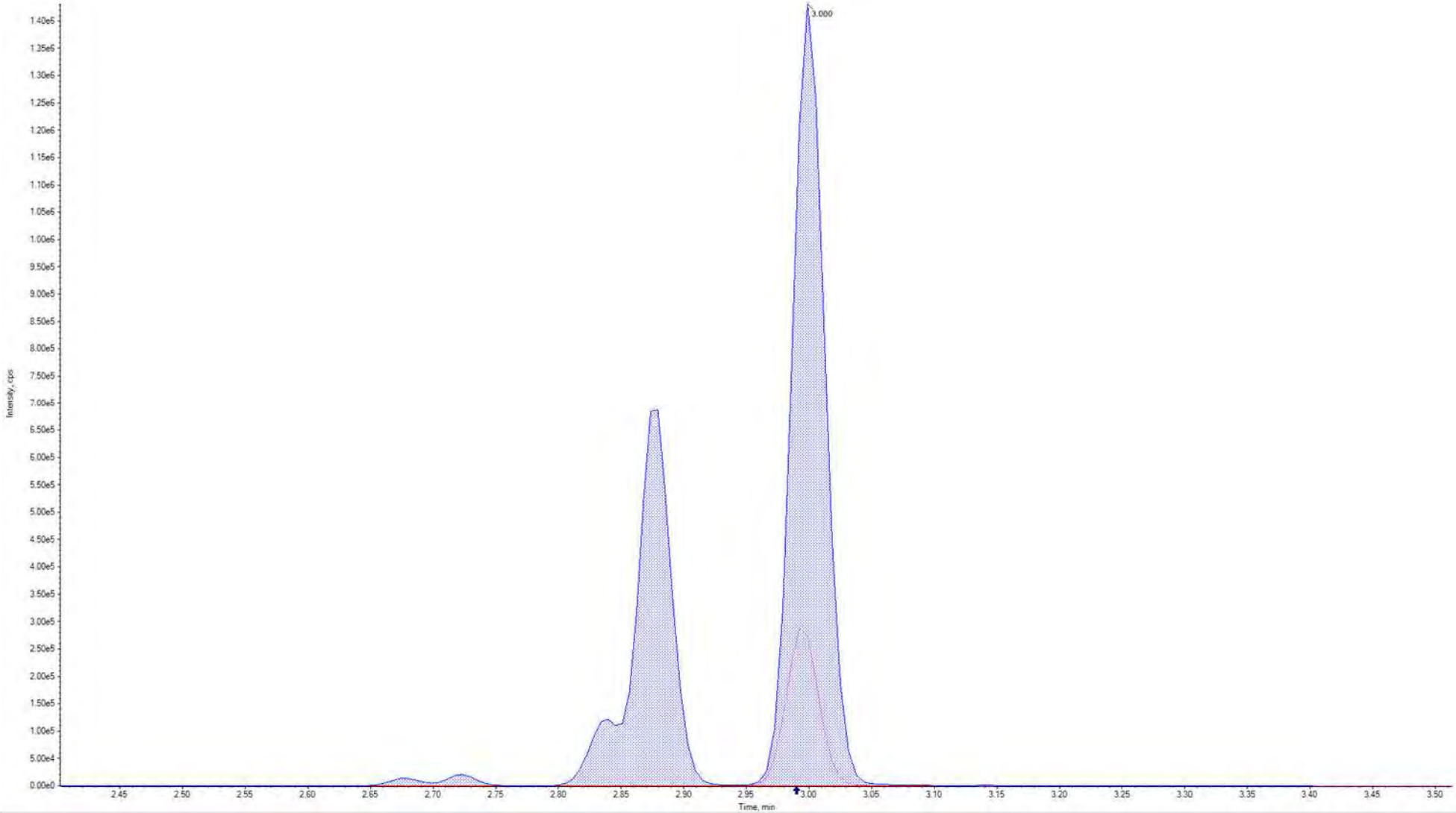
PFOA_2
Sample: IA1633STD-50 S/N:592.9 Points Across peak:78



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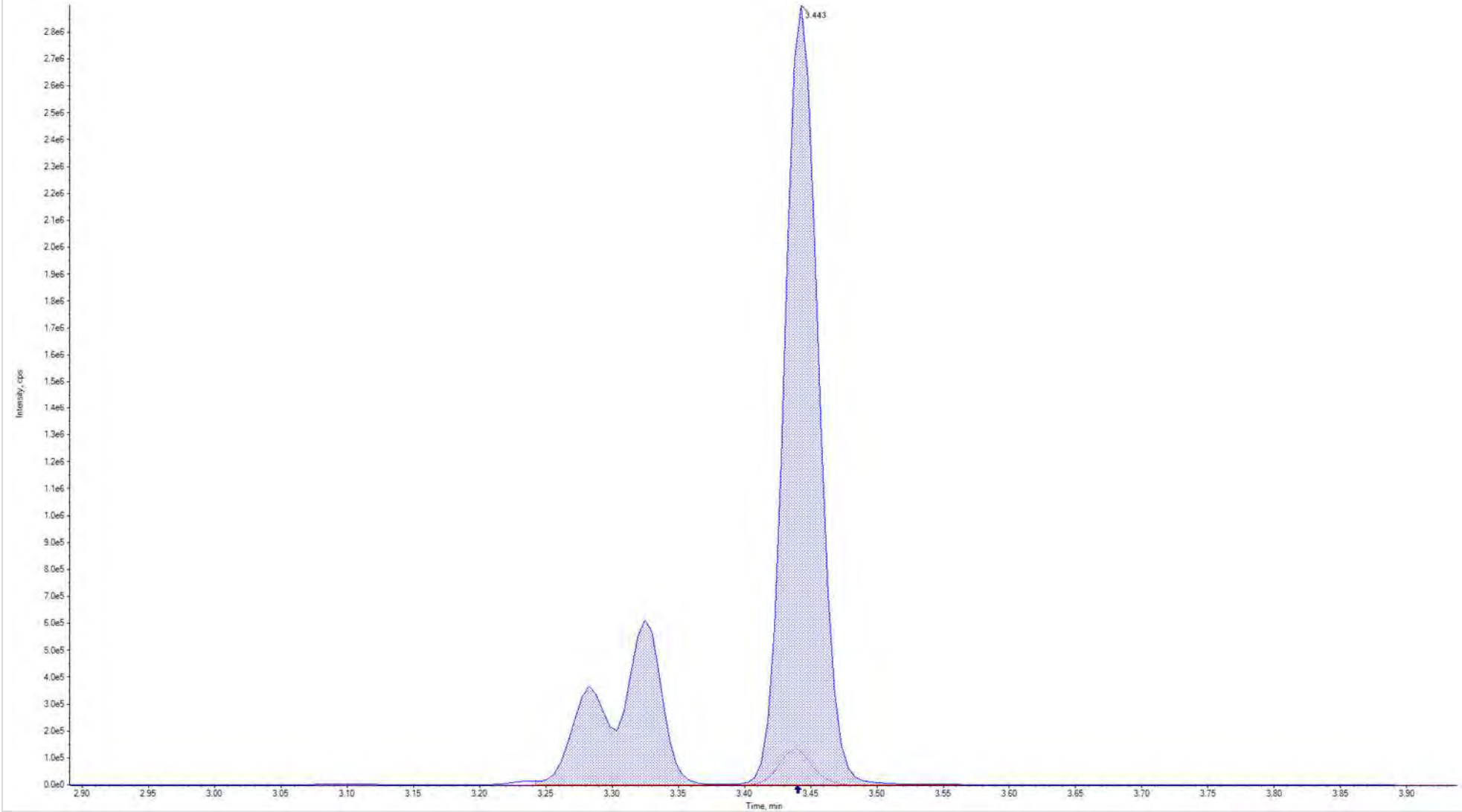
PFNA
Sample: IA1633STD-50 S/N:818.6 Points Across peak:63



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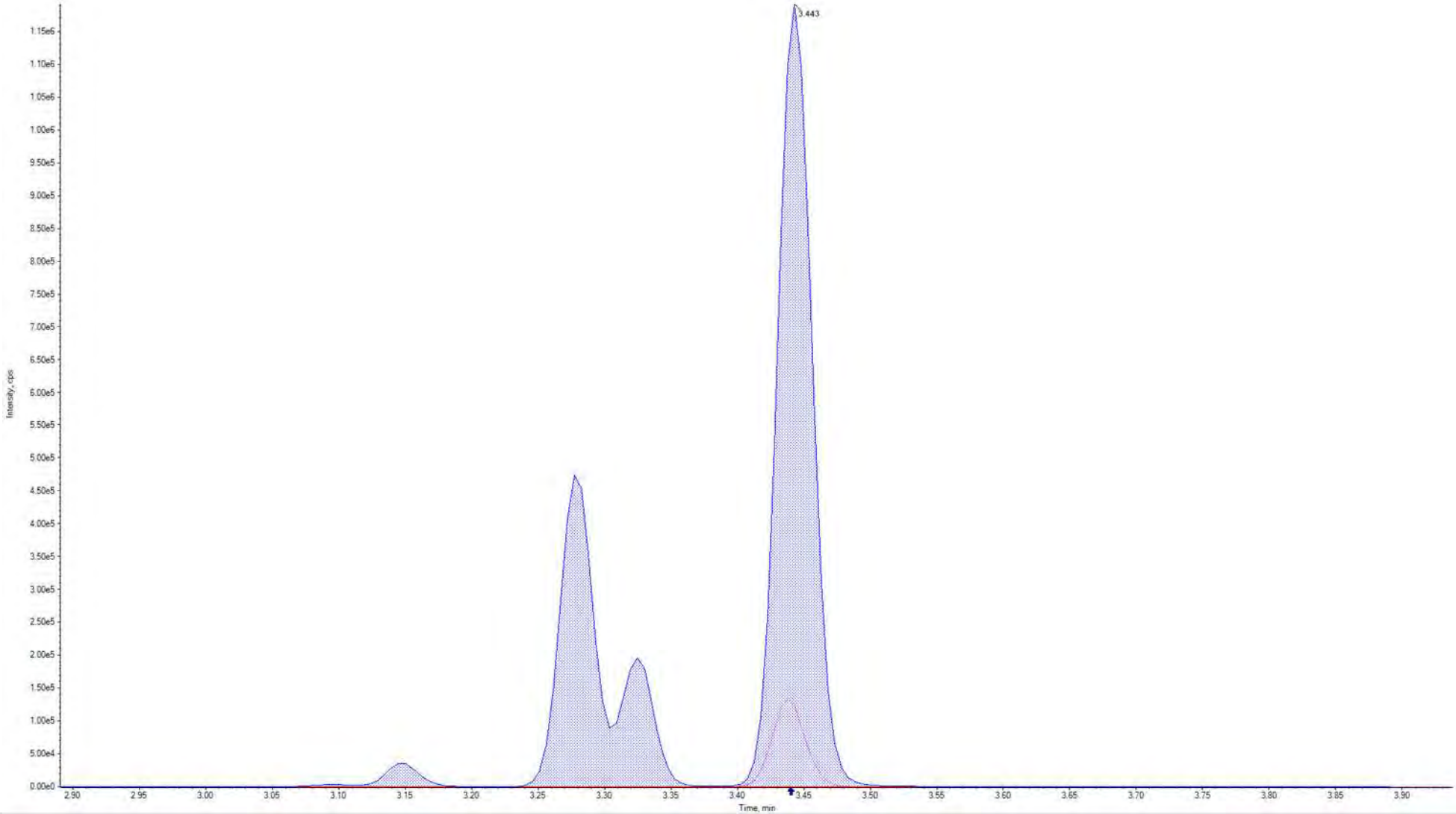
PFNA_2
Sample: IA1633STD-50 S/N:467.4 Points Across peak:95



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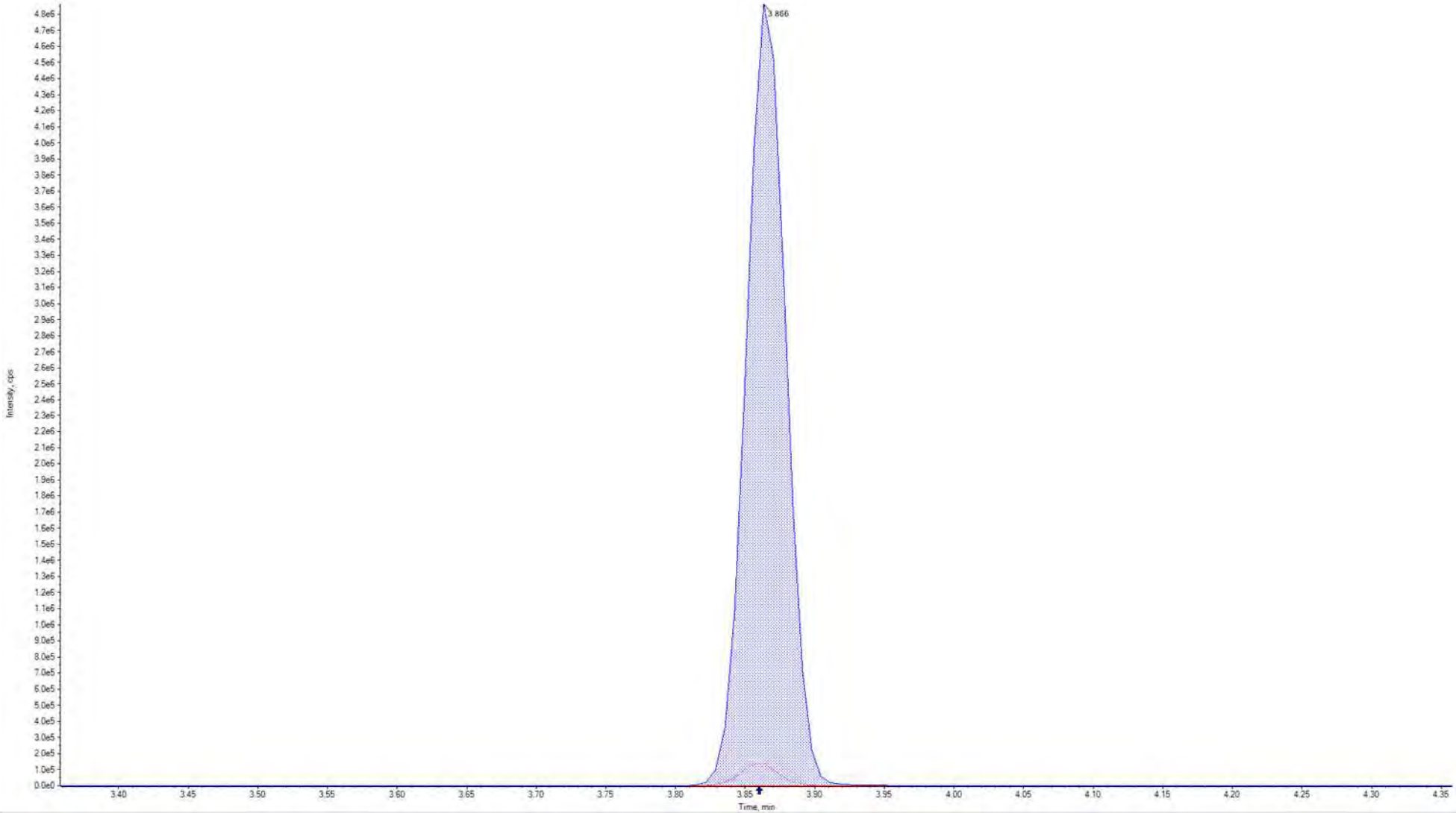
PFDA
Sample: IA1633STD-50 S/N:97539.6 Points Across peak:32



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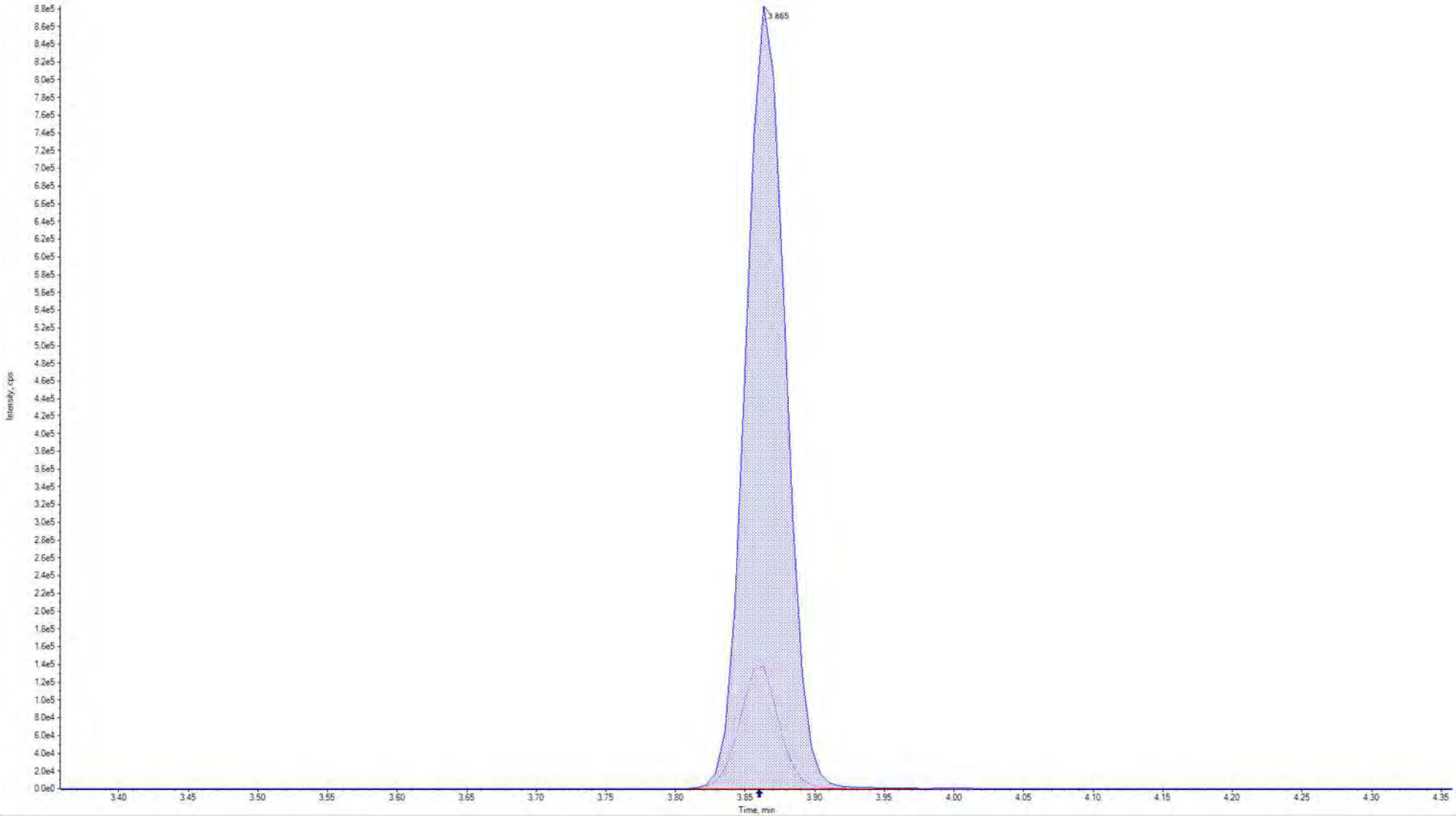
PFDA_2
Sample: IA1633STD-50 S/N:5594.0 Points Across peak:29



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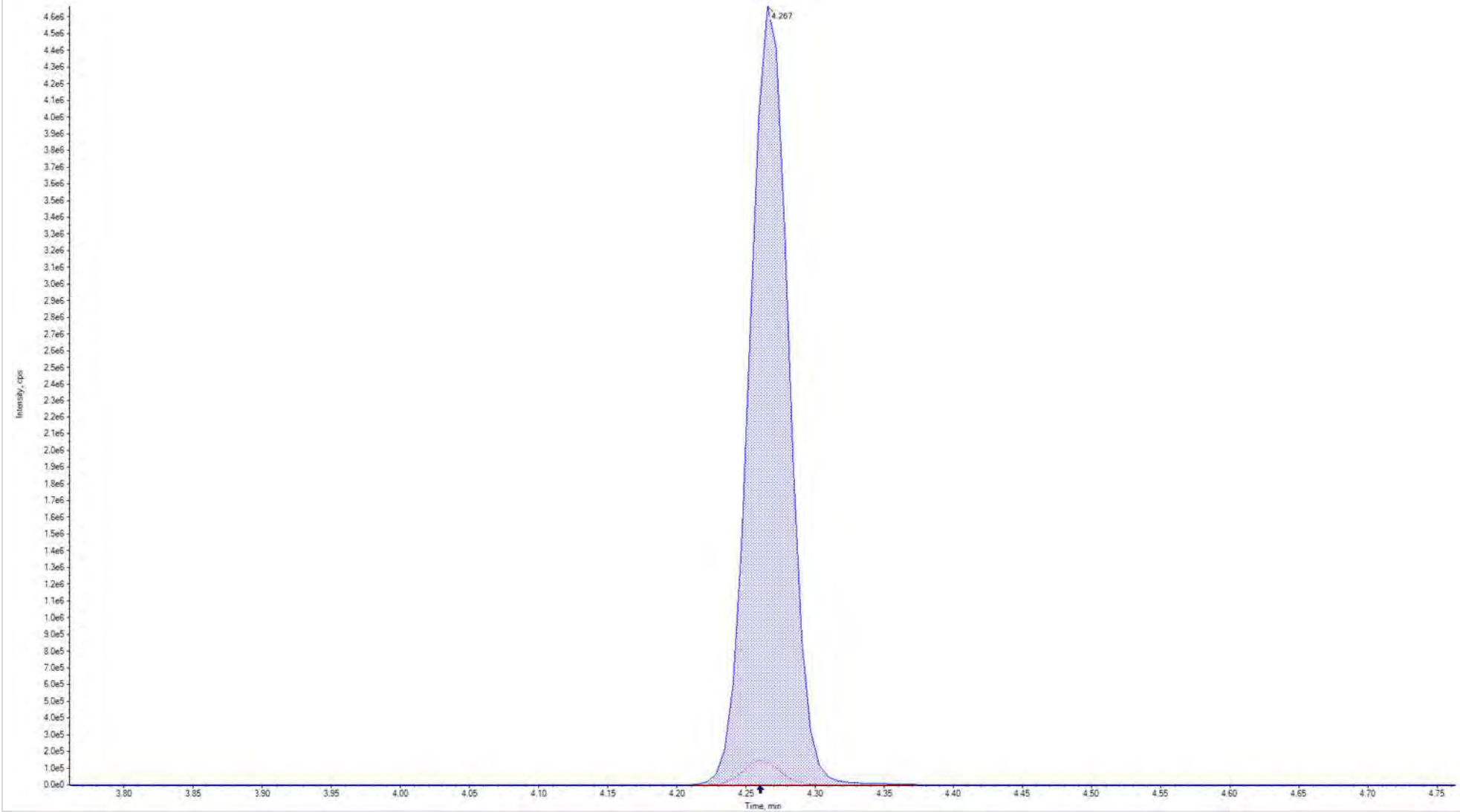
PFUnA
Sample: IA1633STD-50 S/N:23879.4 Points Across peak:32



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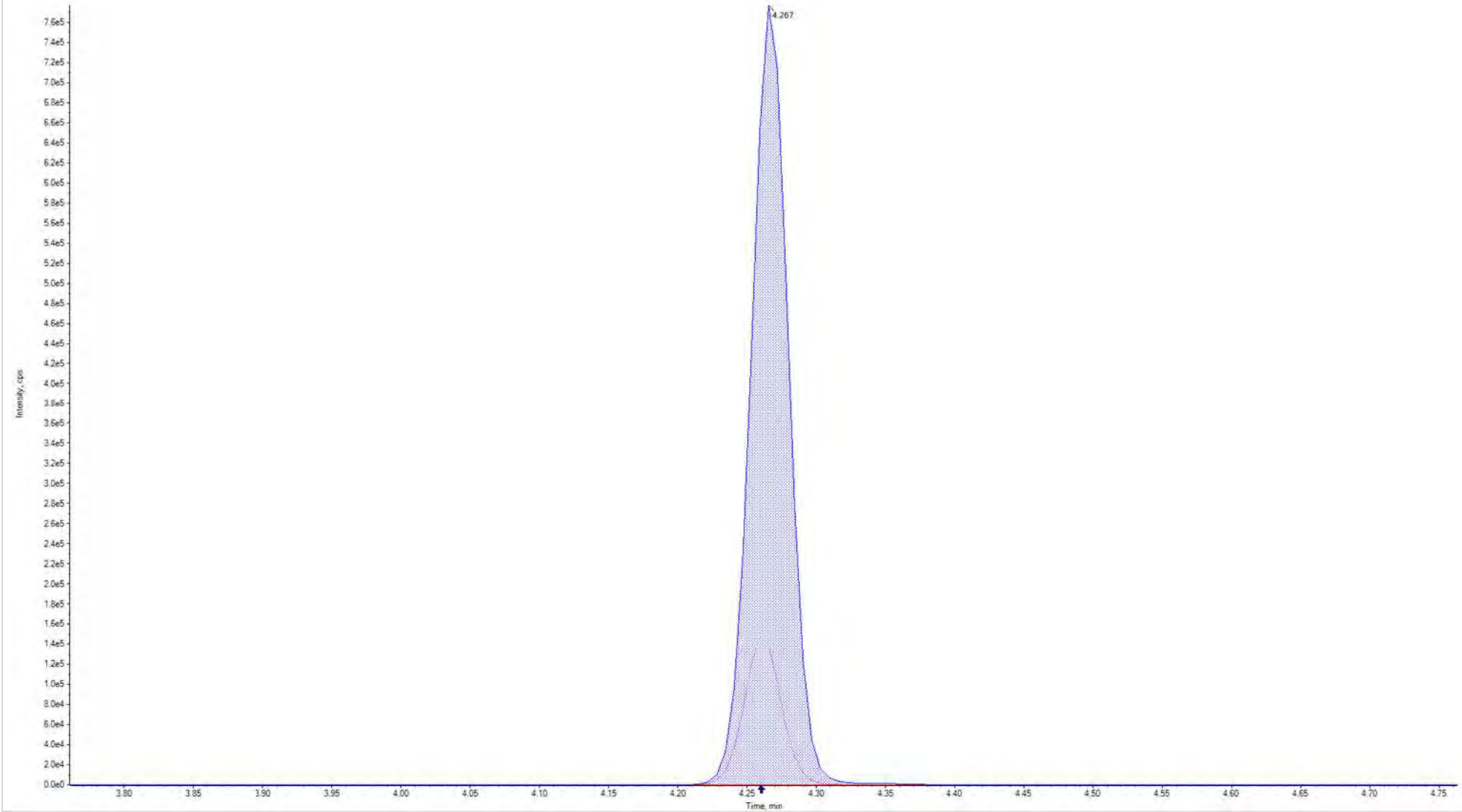
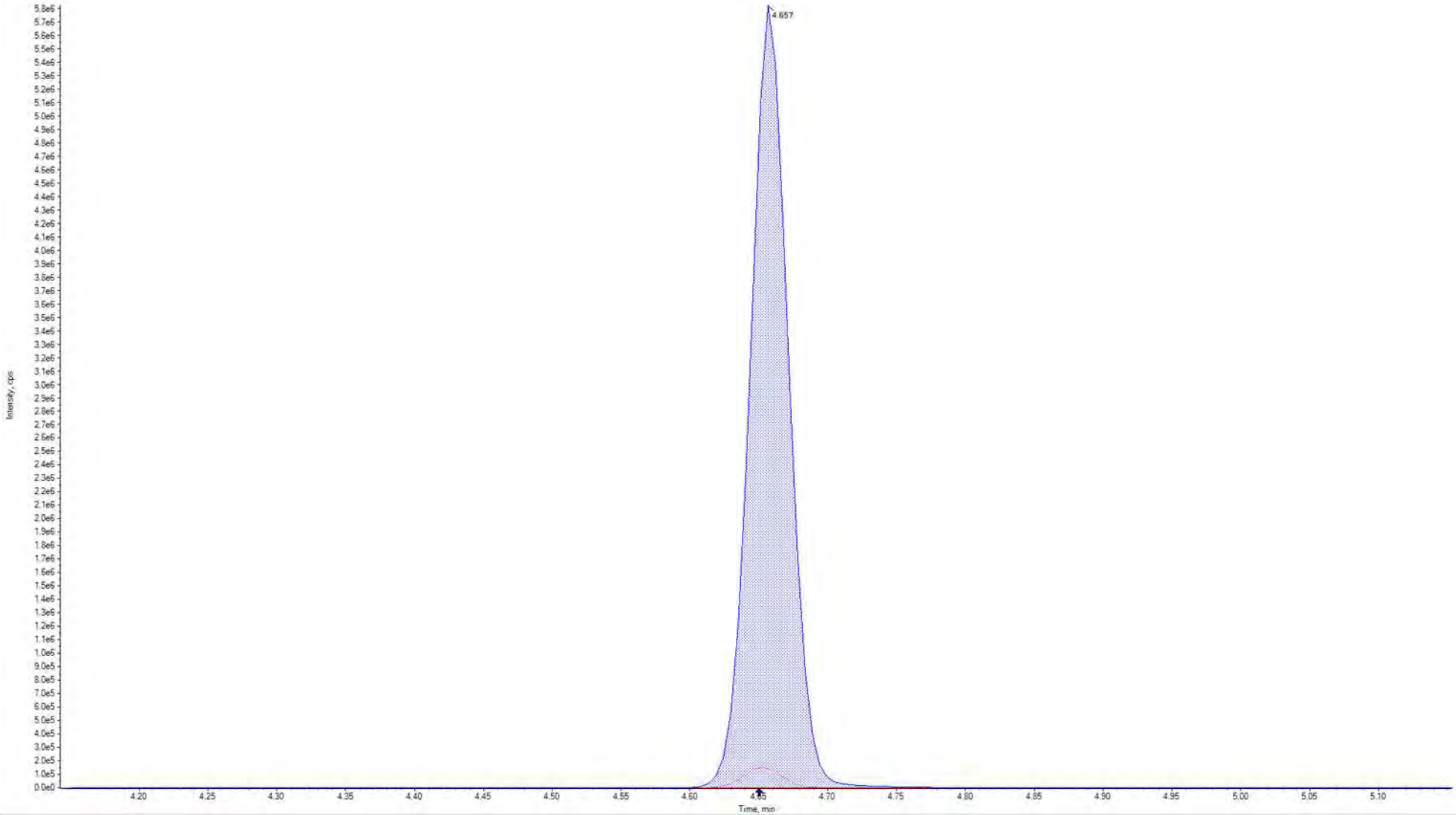
PFUnA_2
Sample: IA1633STD-50 S/N:6114.1 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_29.wiff2_8
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoA
Sample: IA1633STD-50 S/N:51154.4 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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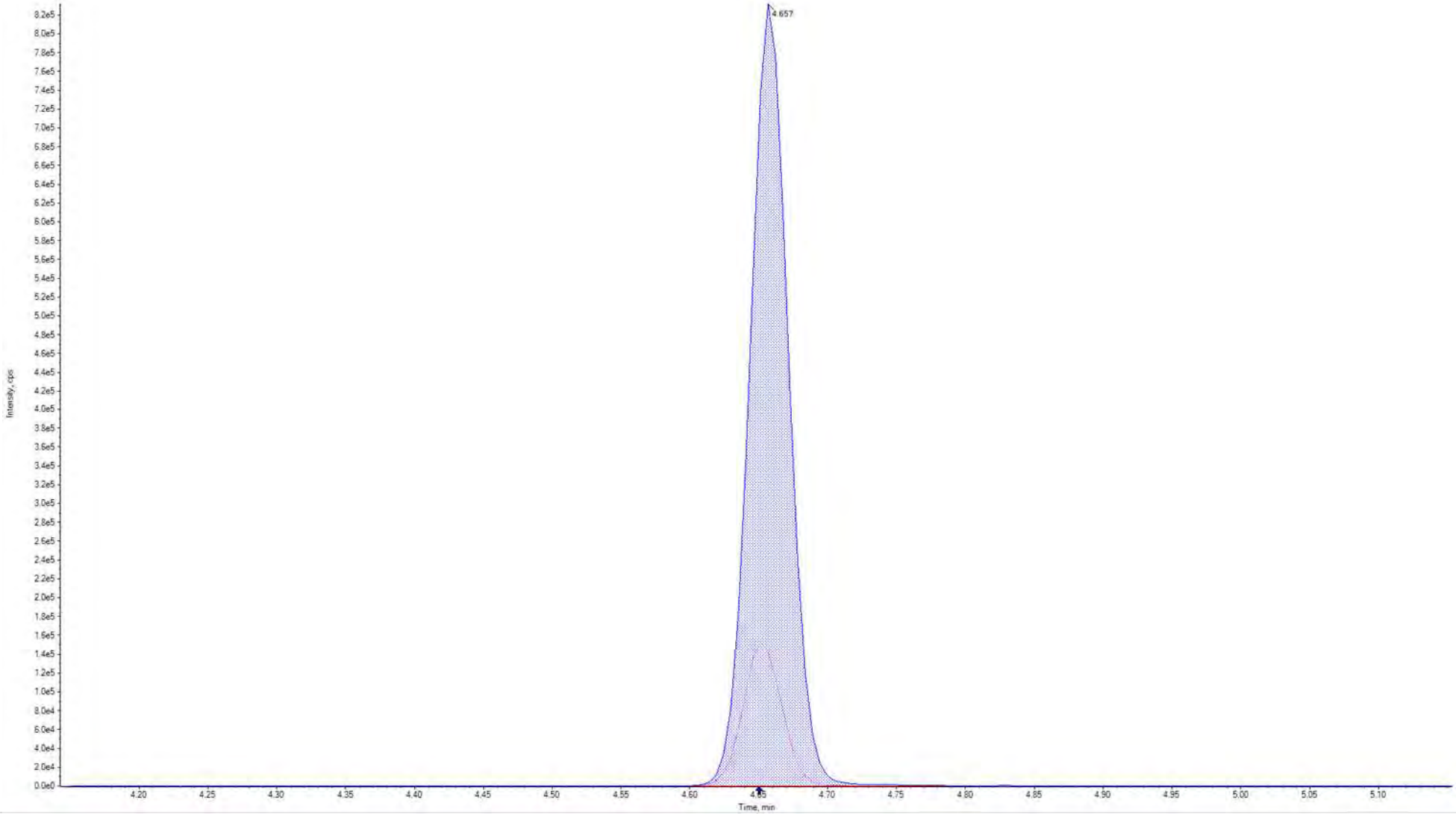
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoA_2
Sample: IA1633STD-50 S/N:6661.9 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\250303\SCI09_250303_29.wiff2_8
Last Altered: 3/4/2025 6:51:07 AM
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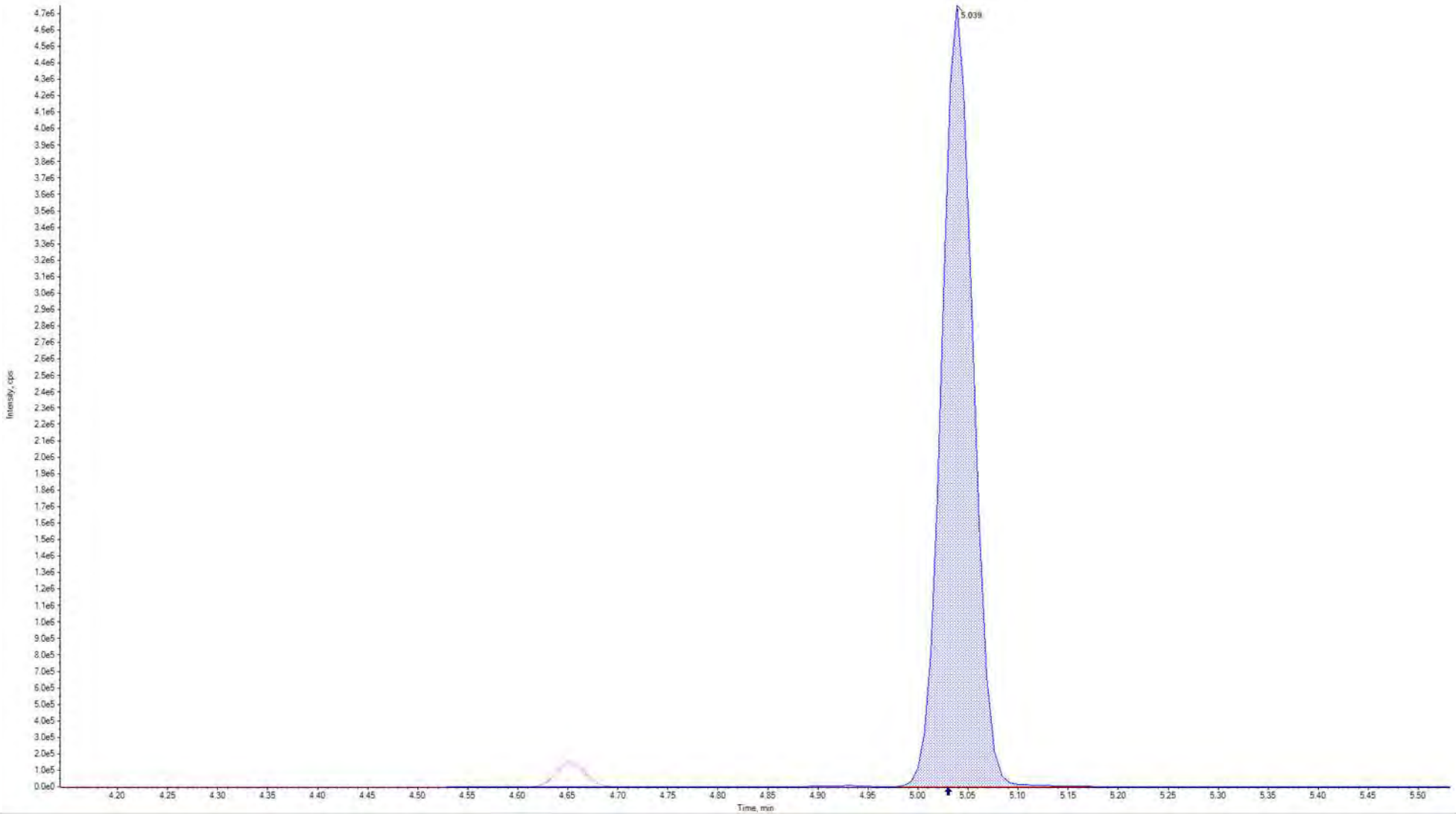
PFTrDA
Sample: IA1633STD-50 S/N:35068.5 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 6:51:07 AM
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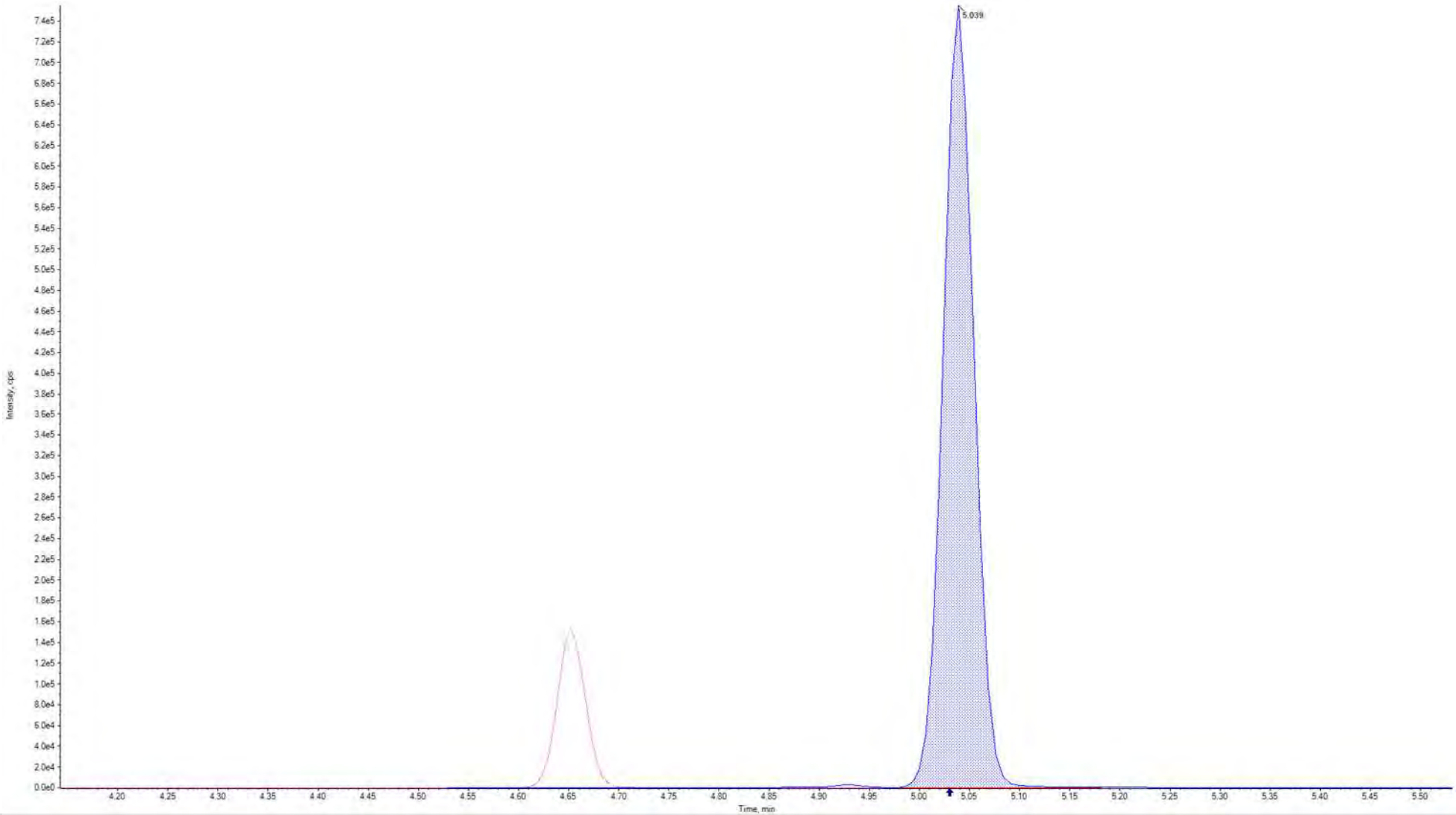
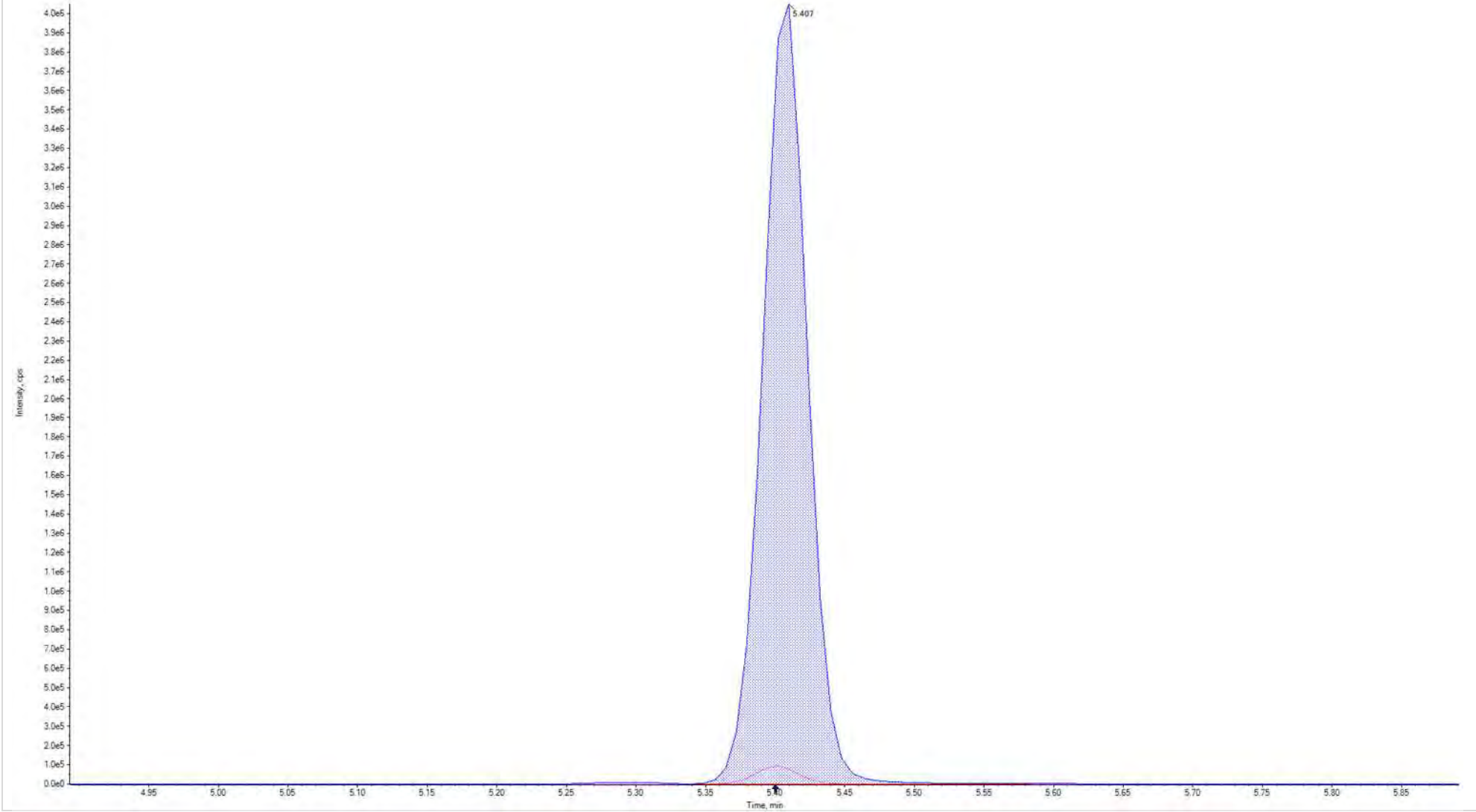
PFTrDA_2
Sample: IA1633STD-50 S/N:30282.4 Points Across peak:30



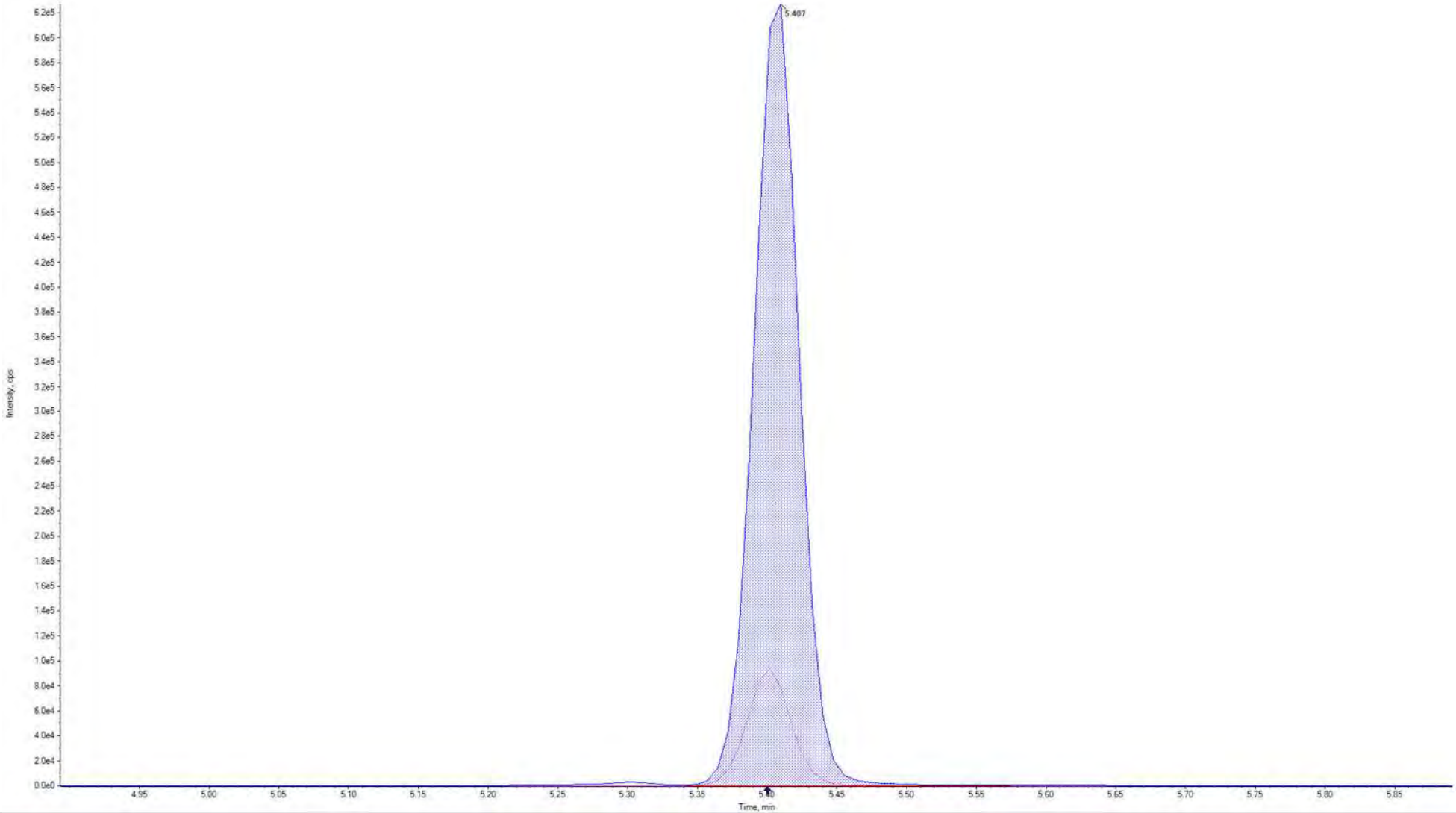
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_29.wiff2_8
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFTeDA
Sample: IA1633STD-50 S/N:12757.3 Points Across peak:31



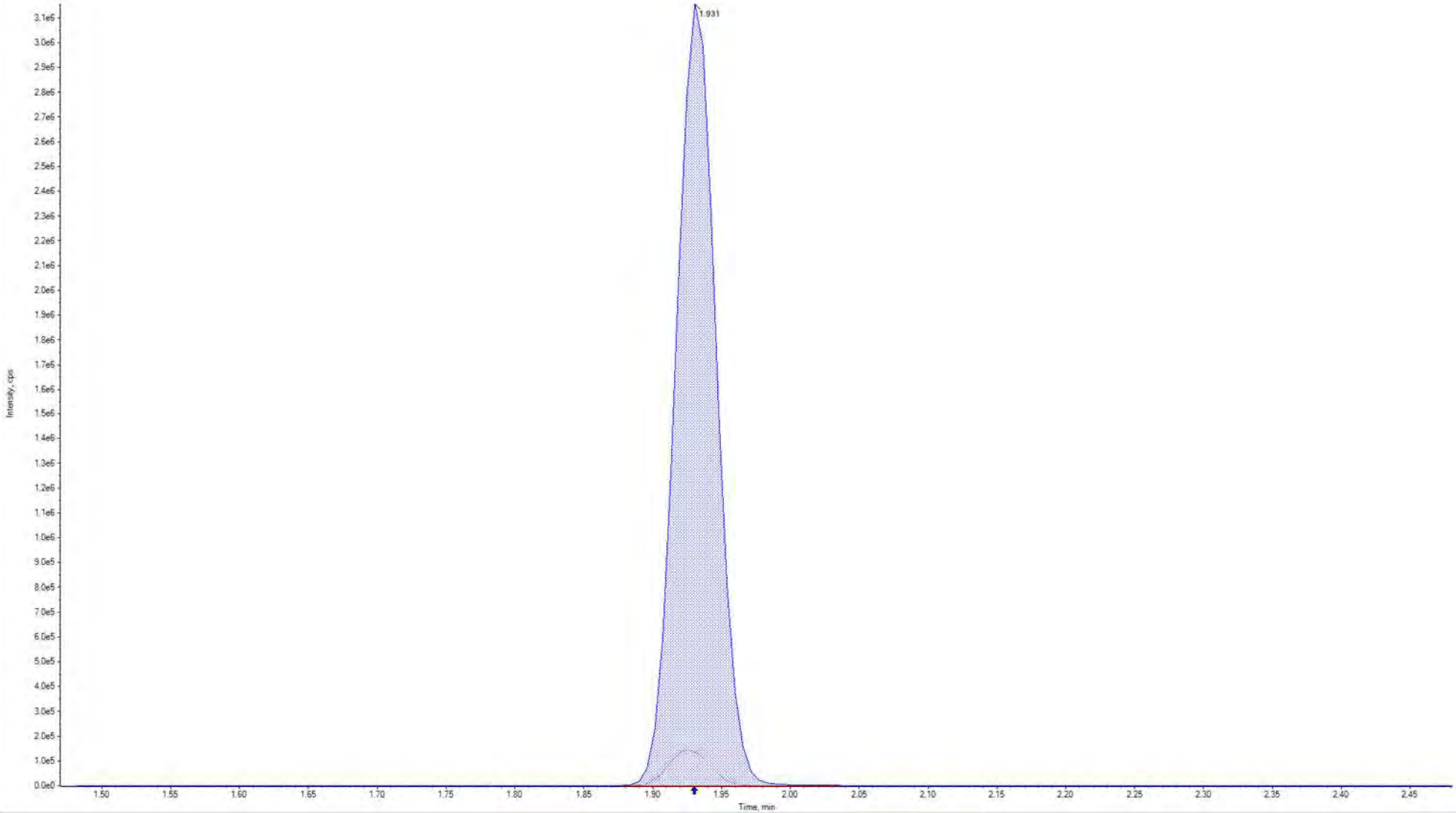
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_29.wiff2_8
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFTeDA_2
Sample: IA1633STD-50 S/N:39297.8 Points Across peak:29



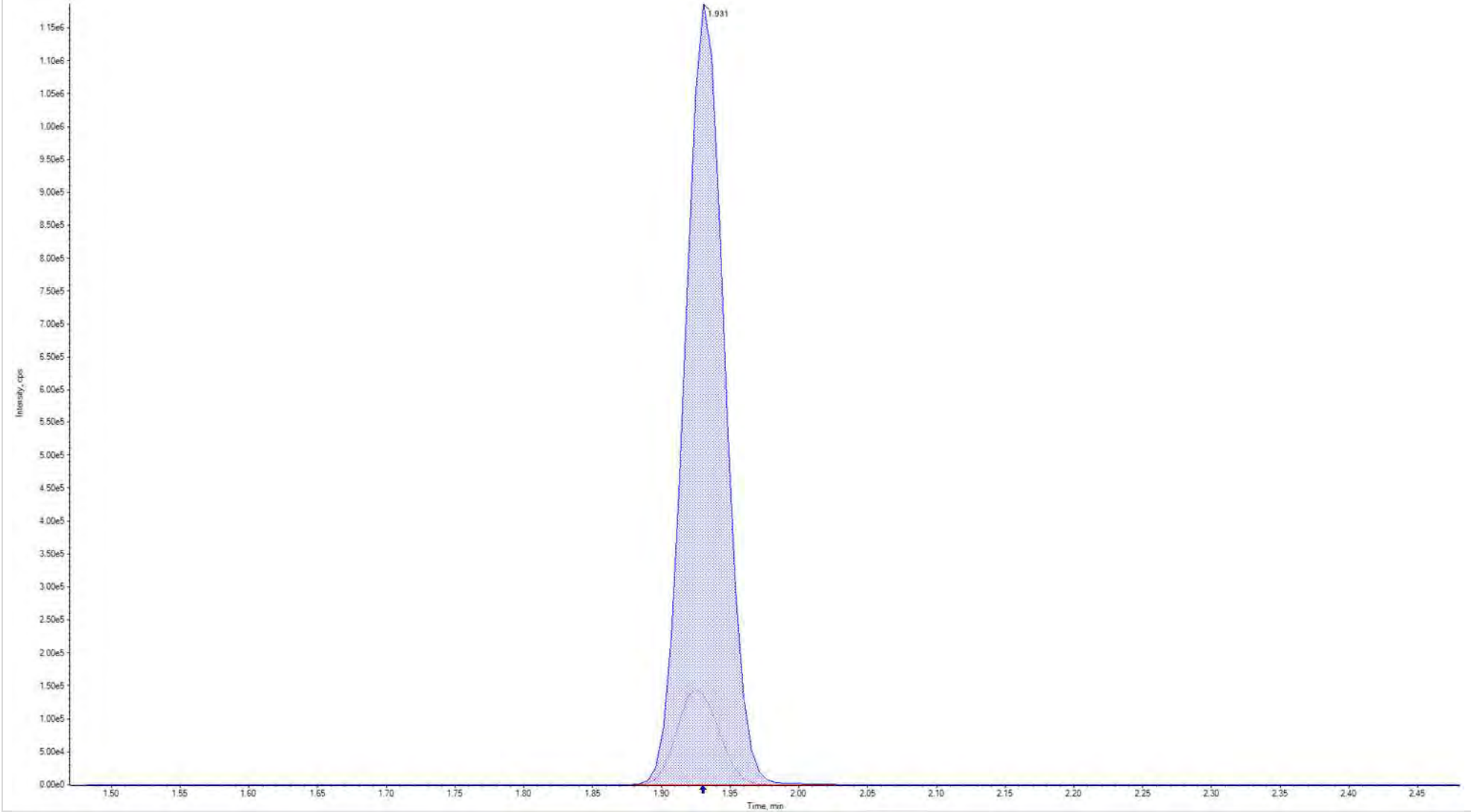
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_29.wiff2_8
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFBS
Sample: IA1633STD-50 S/N:5415.3 Points Across peak:36



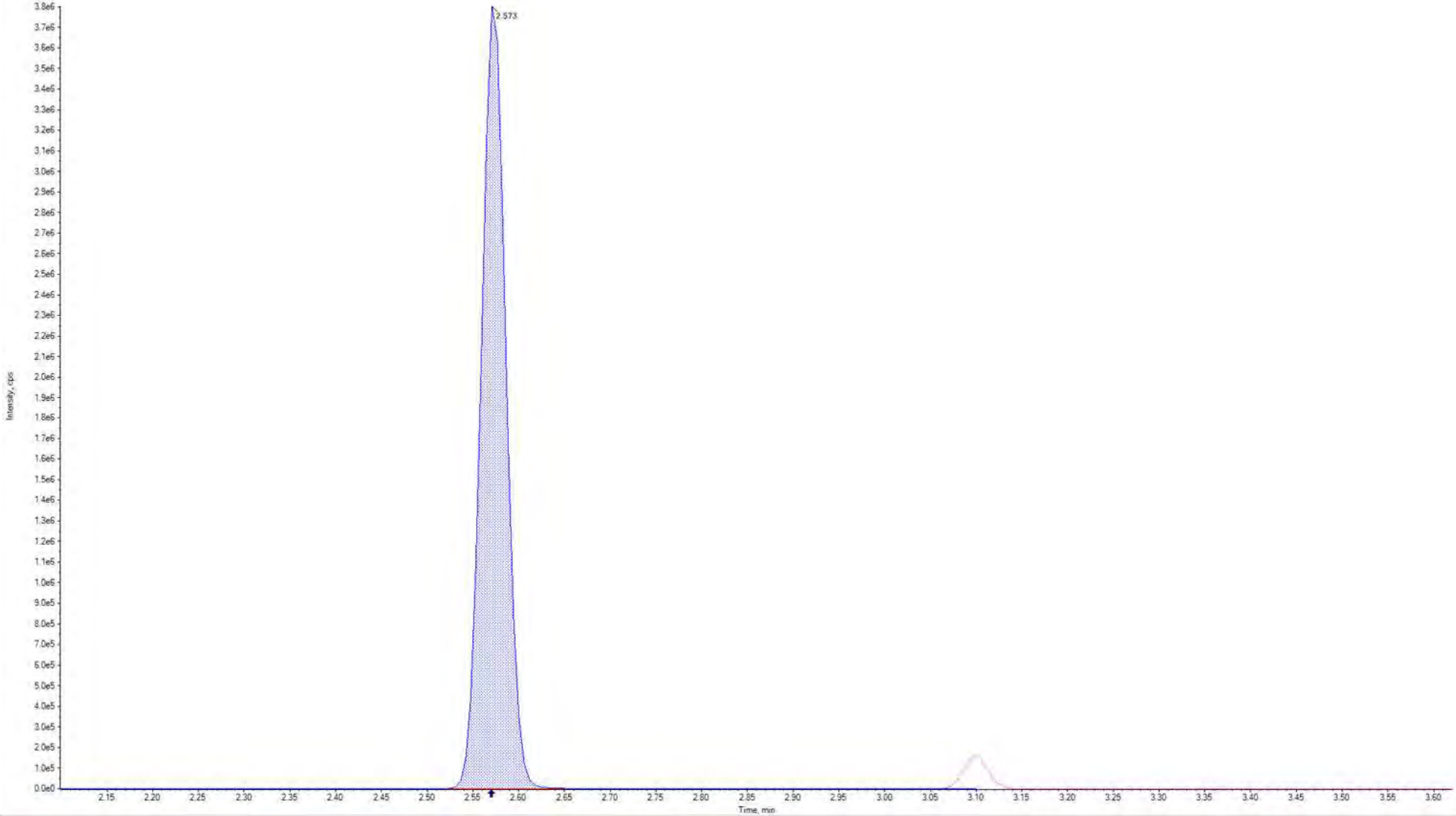
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_29.wiff2_8
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFBS_2
Sample: IA1633STD-50 S/N:29737.3 Points Across peak:39



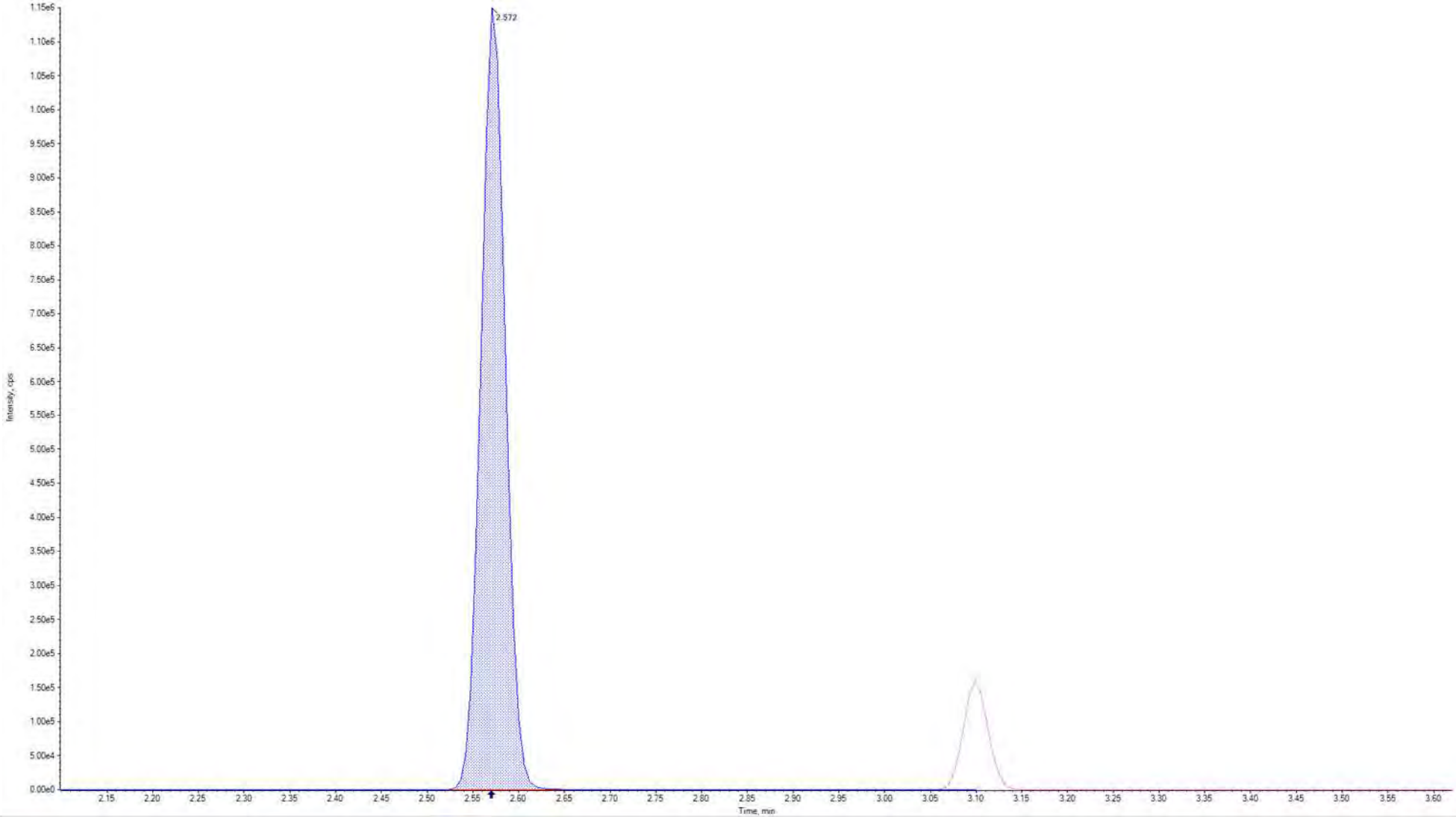
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_29.wiff2_8
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFPeS
Sample: IA1633STD-50 S/N:7981.3 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\250303\SCI09_250303_29.wiff2_8
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFPeS_2
Sample: IA1633STD-50 S/N:6582.0 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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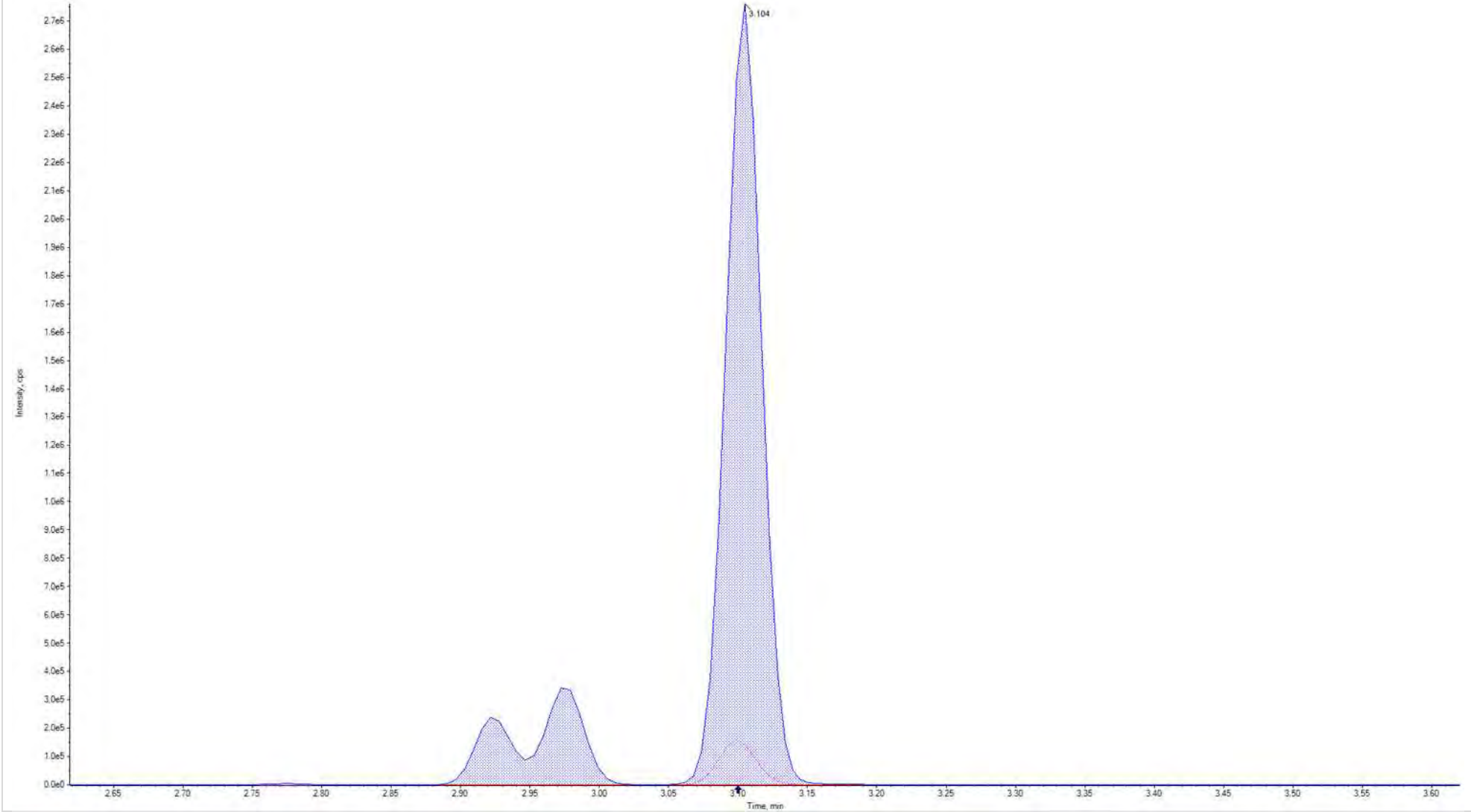
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHxS
Sample: IA1633STD-50 S/N:1374.2 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\250303\SCI09_250303_29.wiff2_8
Last Altered: 3/4/2025 6:51:07 AM
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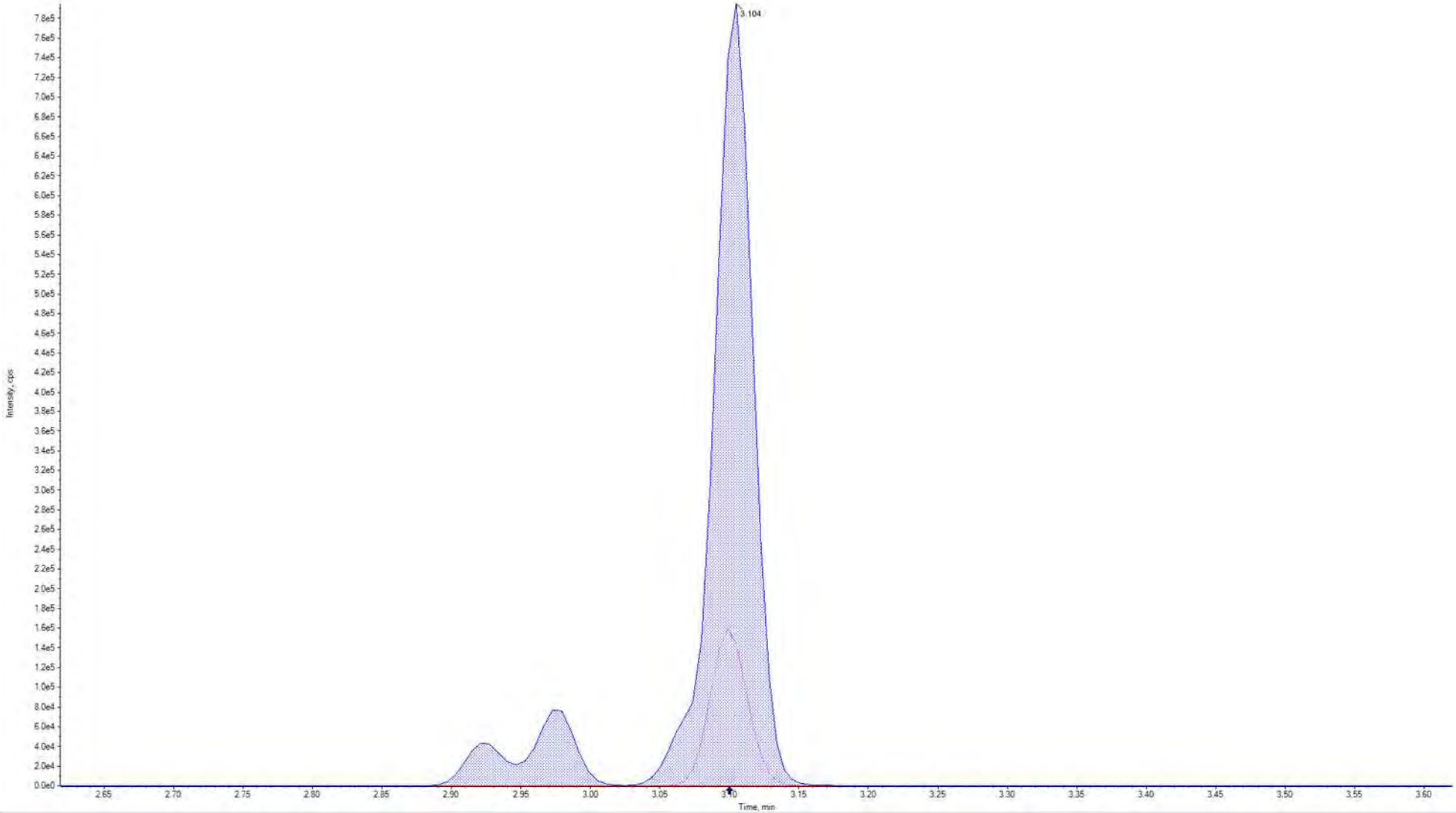
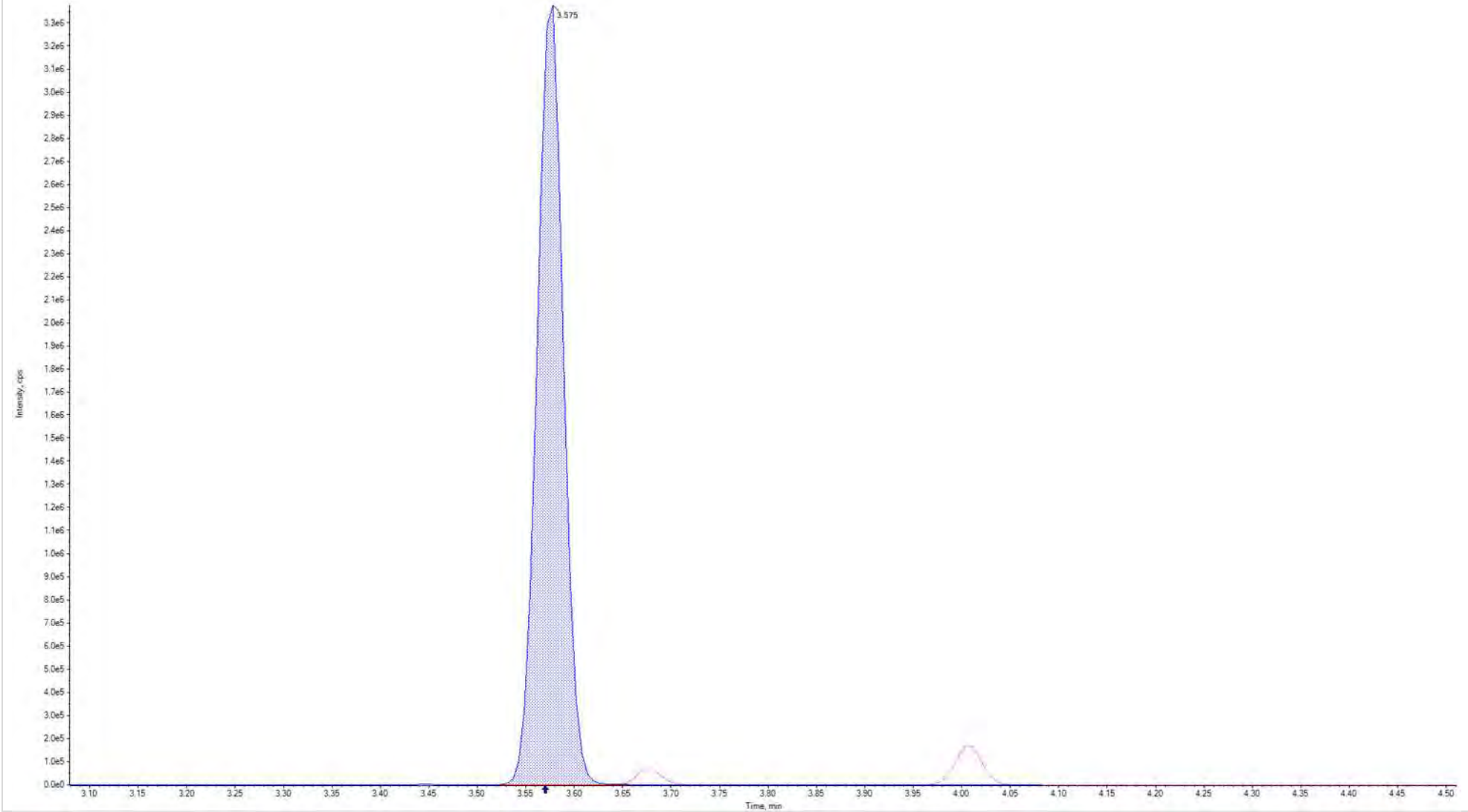
PFHxS_2
Sample: IA1633STD-50 S/N:1550.8 Points Across peak:54



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_29.wiff2_8
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHpS
Sample: IA1633STD-50 S/N:12199.8 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\250303\SCI09_250303_29.wiff2_8
Last Altered: 3/4/2025 6:51:07 AM
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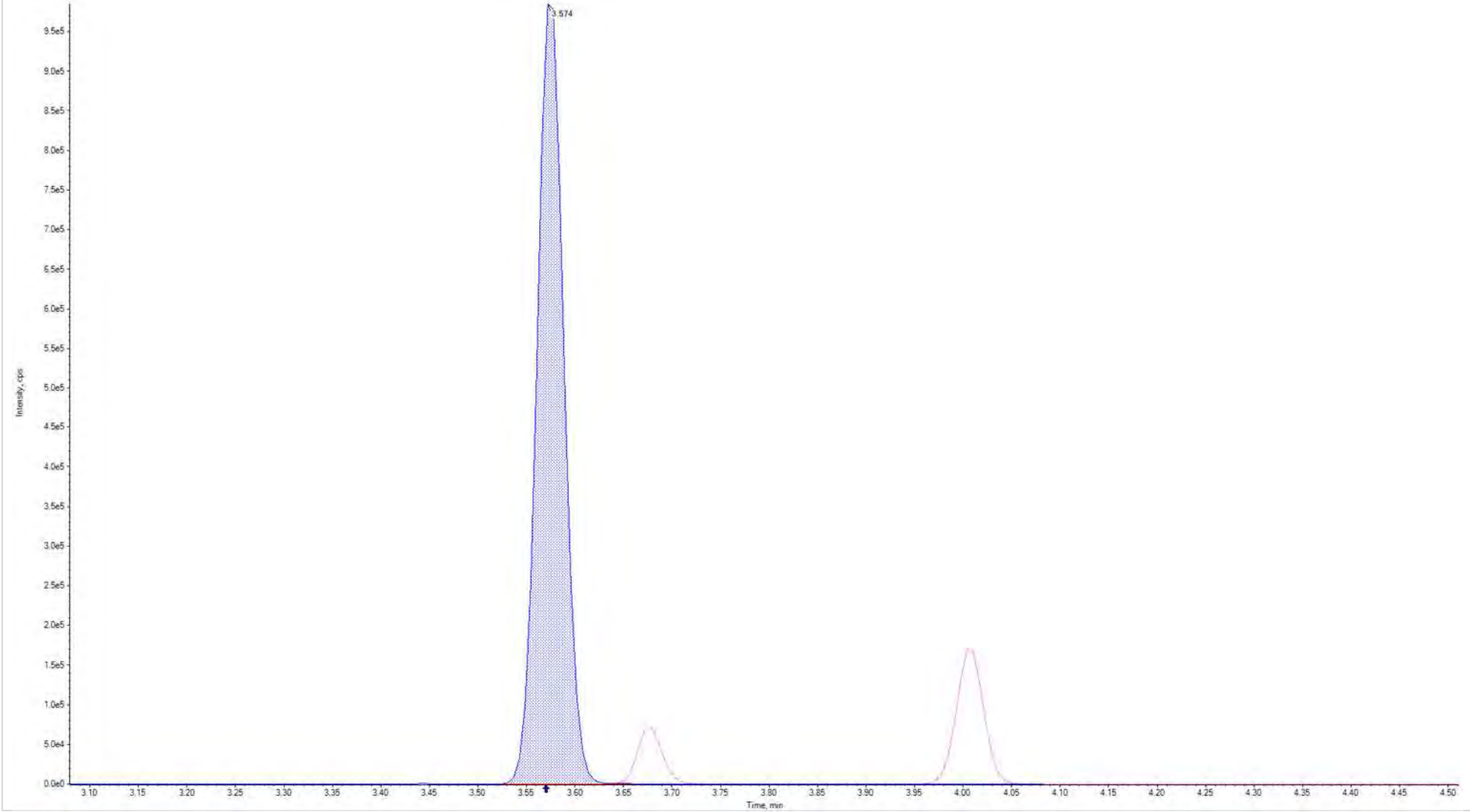
PFHpS_2
Sample: IA1633STD-50 S/N:12439.3 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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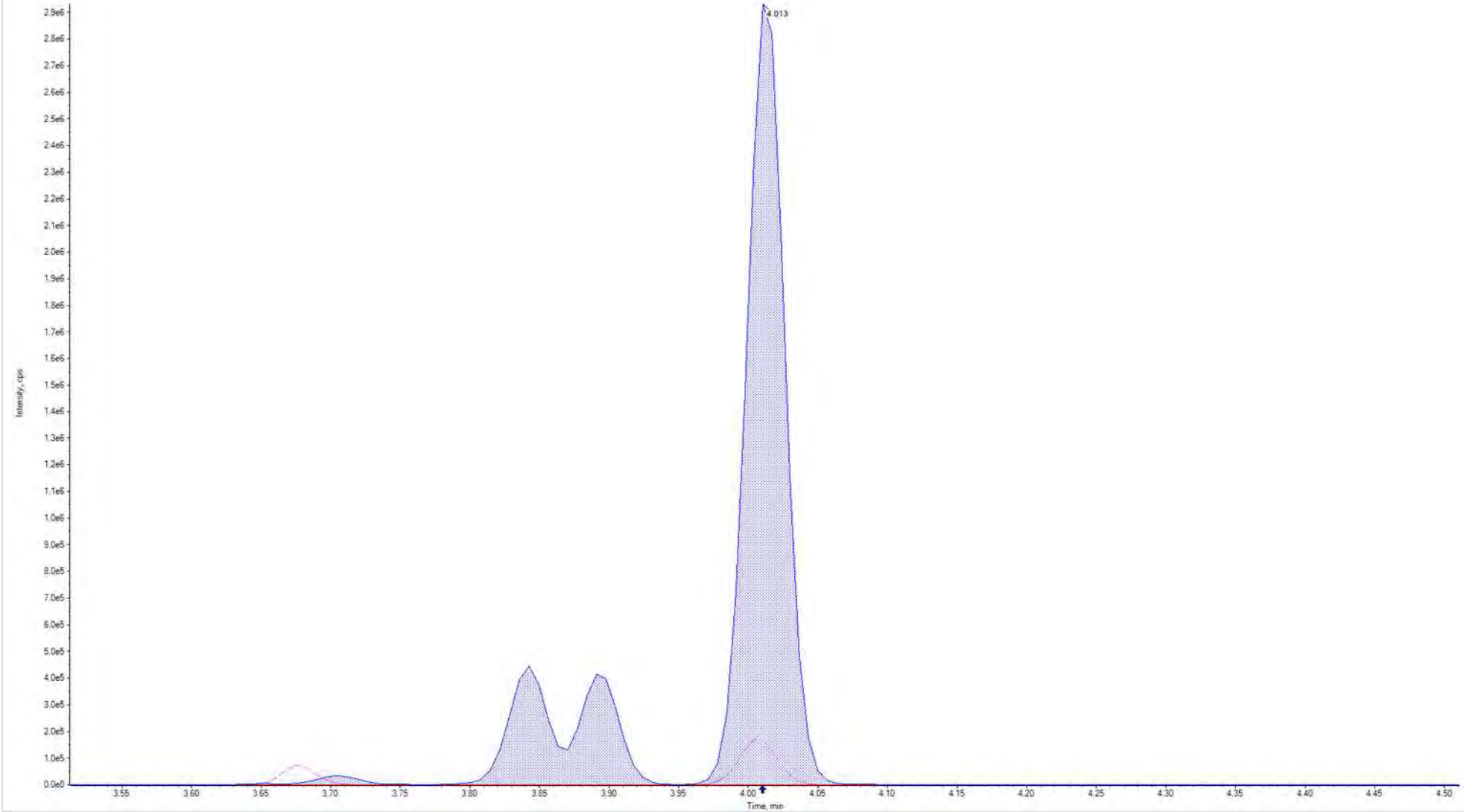
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOS
Sample: IA1633STD-50 S/N:633.4 Points Across peak:77



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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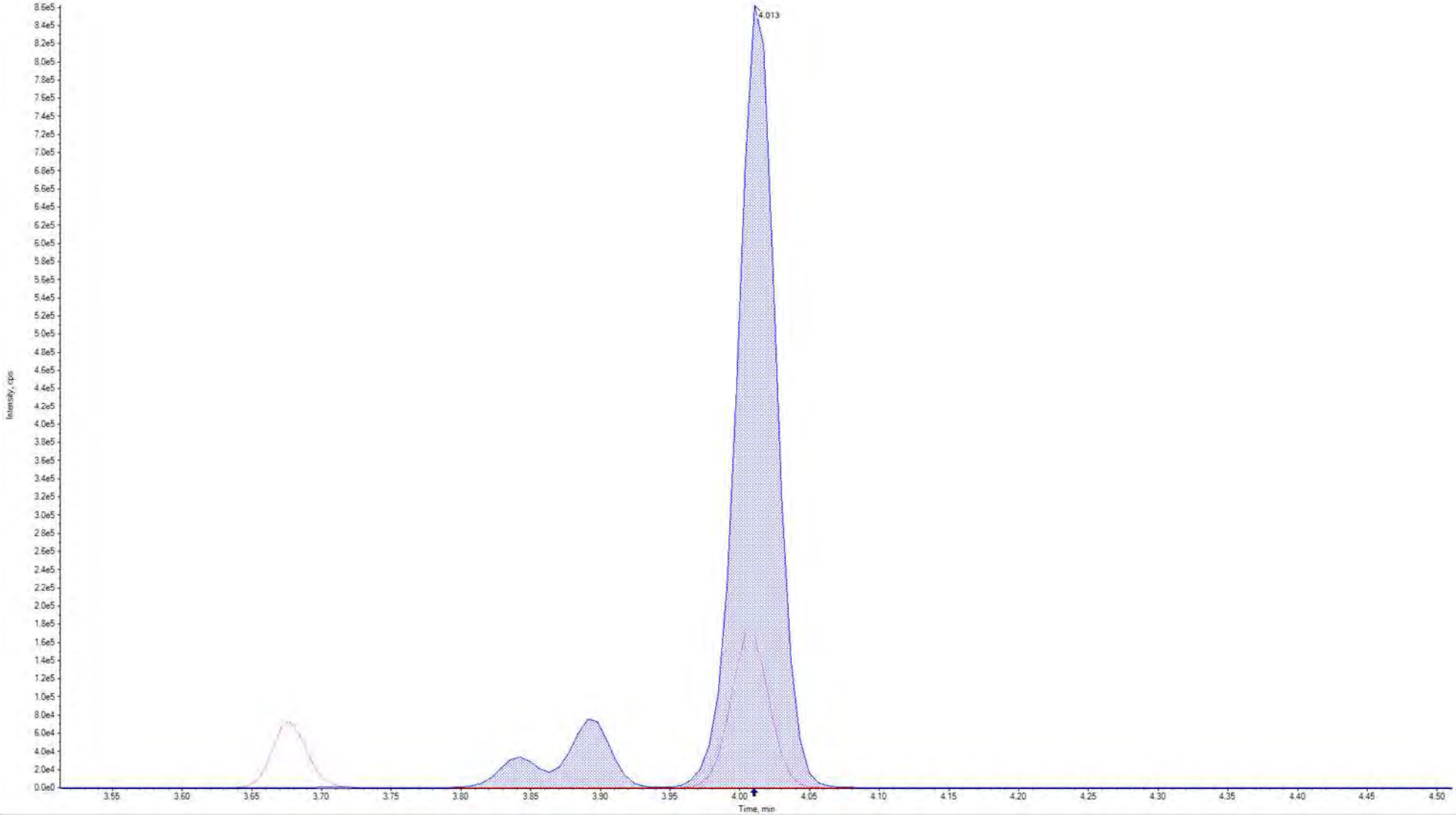
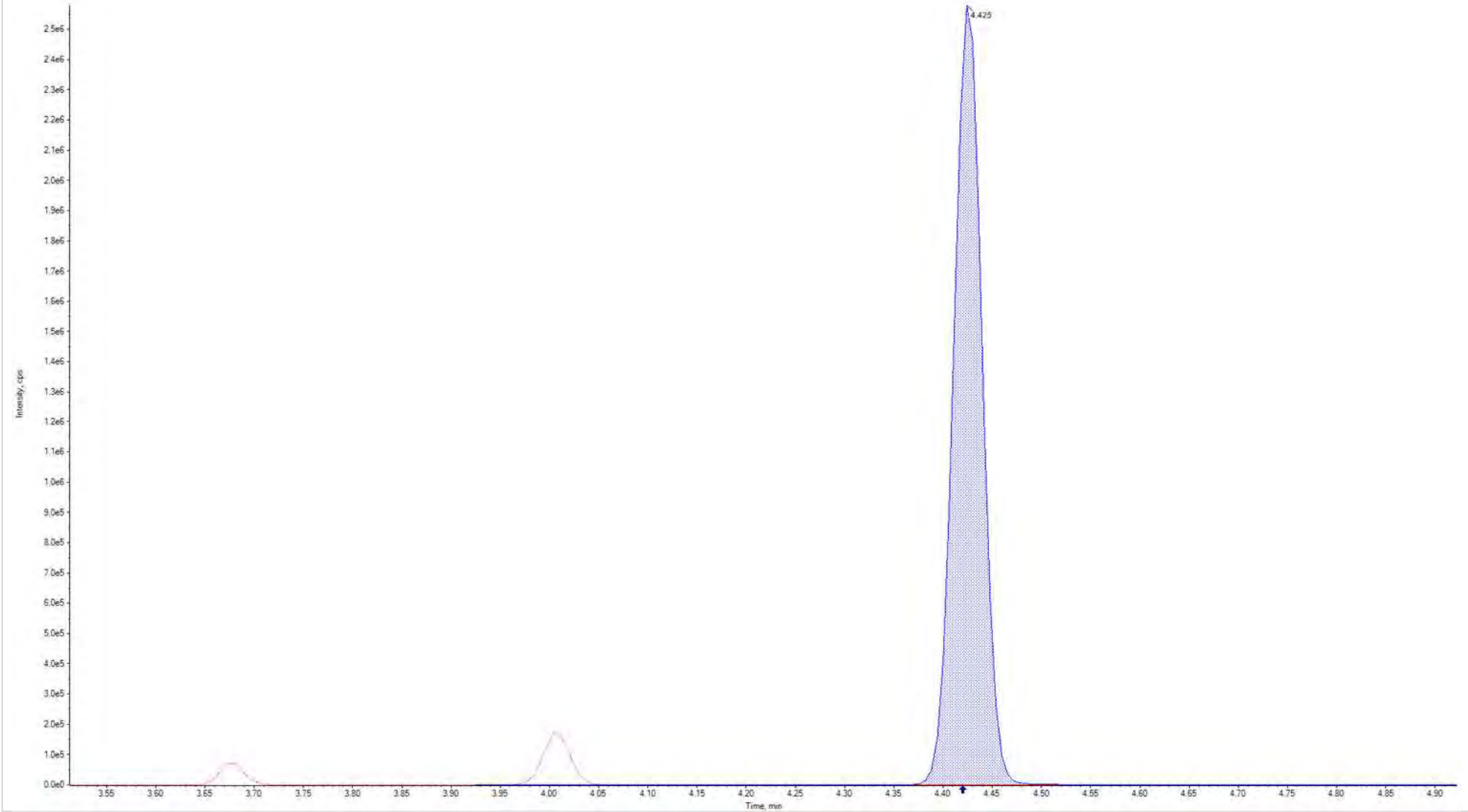
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOS_2
Sample: IA1633STD-50 S/N:1452.3 Points Across peak:52



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_29.wiff2_8
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFNS
Sample: IA1633STD-50 S/N:64649.4 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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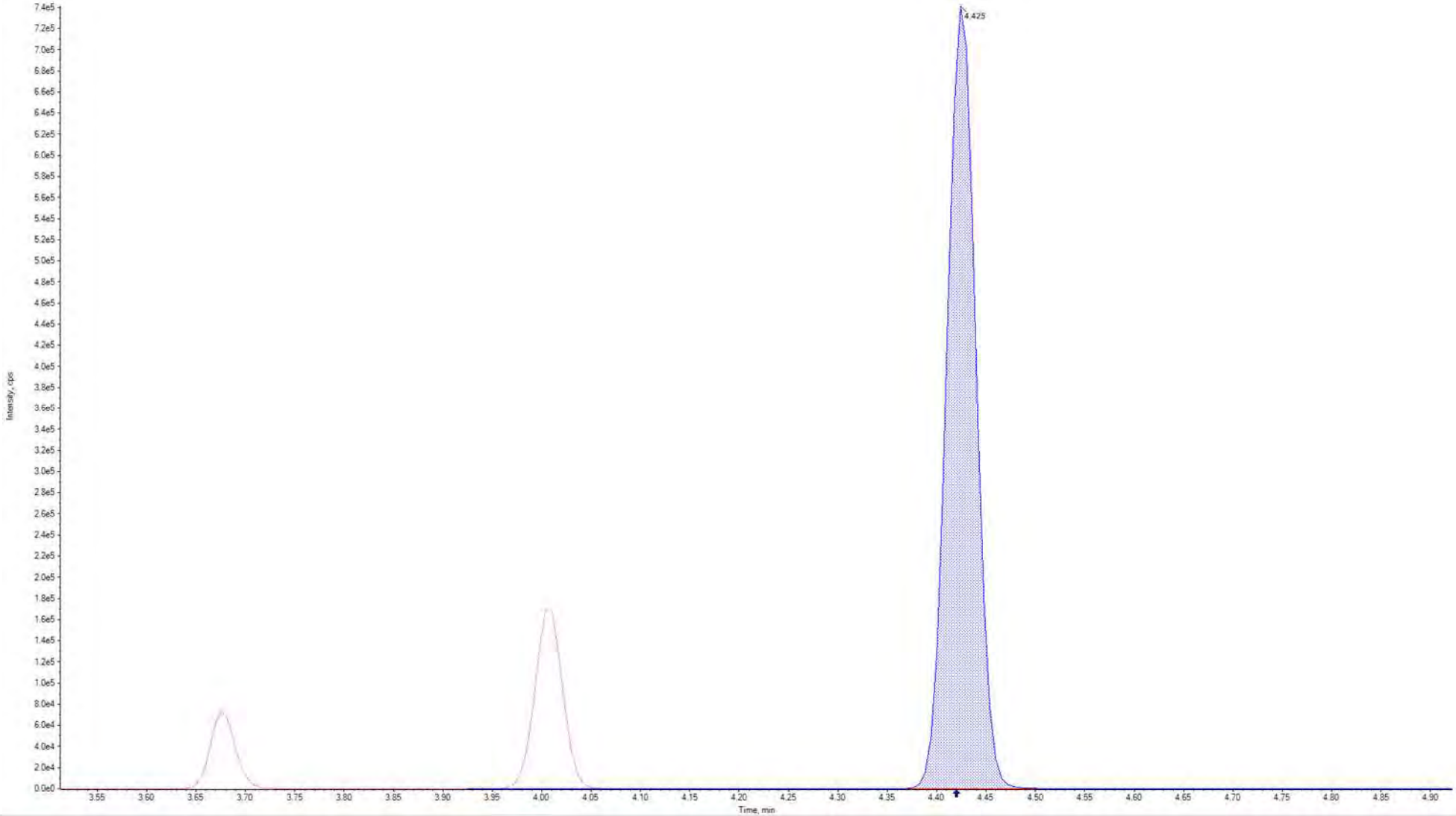
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFNS_2
Sample: IA1633STD-50 S/N:7289.2 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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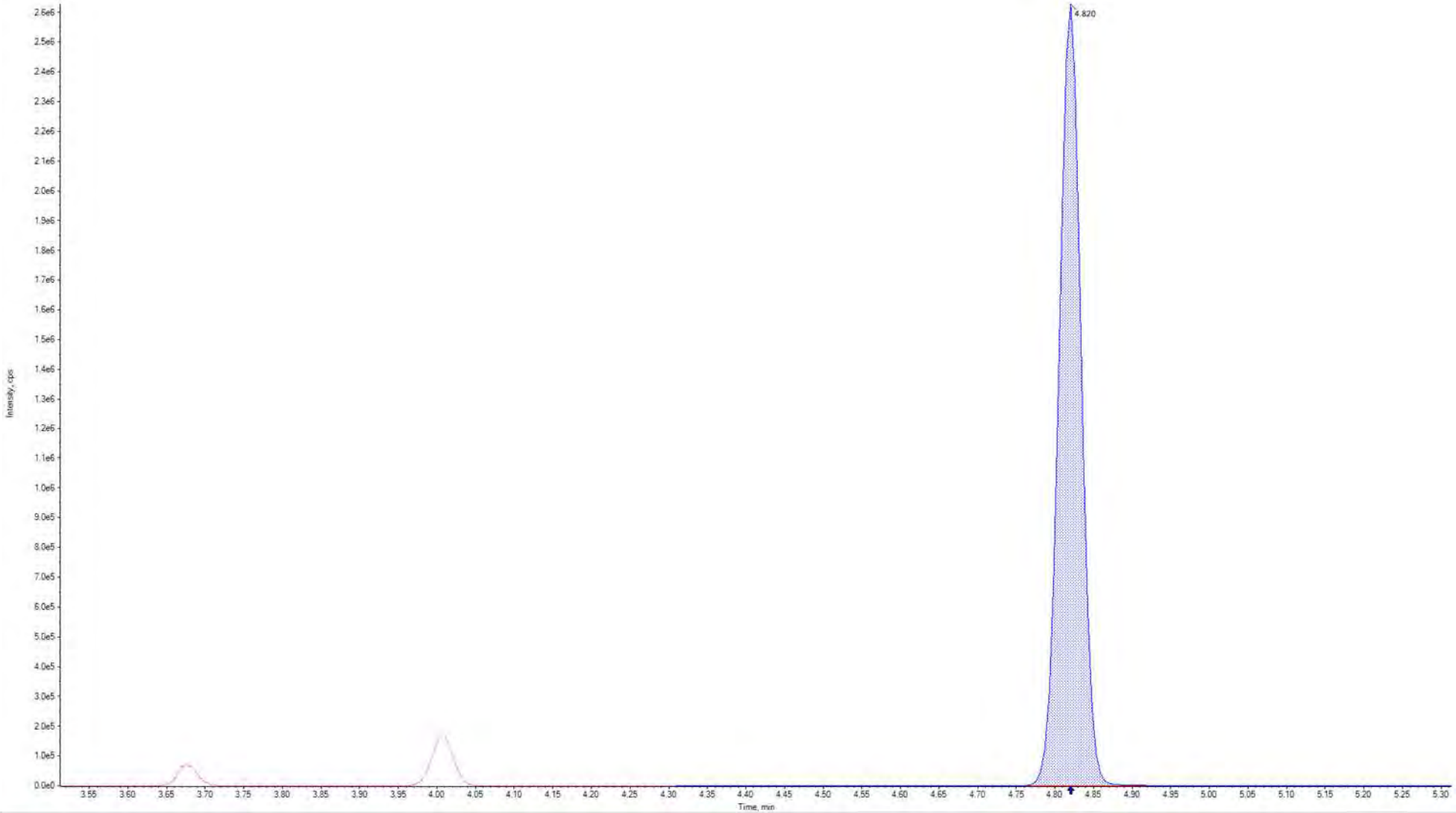
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDS
Sample: IA1633STD-50 S/N:92231.6 Points Across peak:41



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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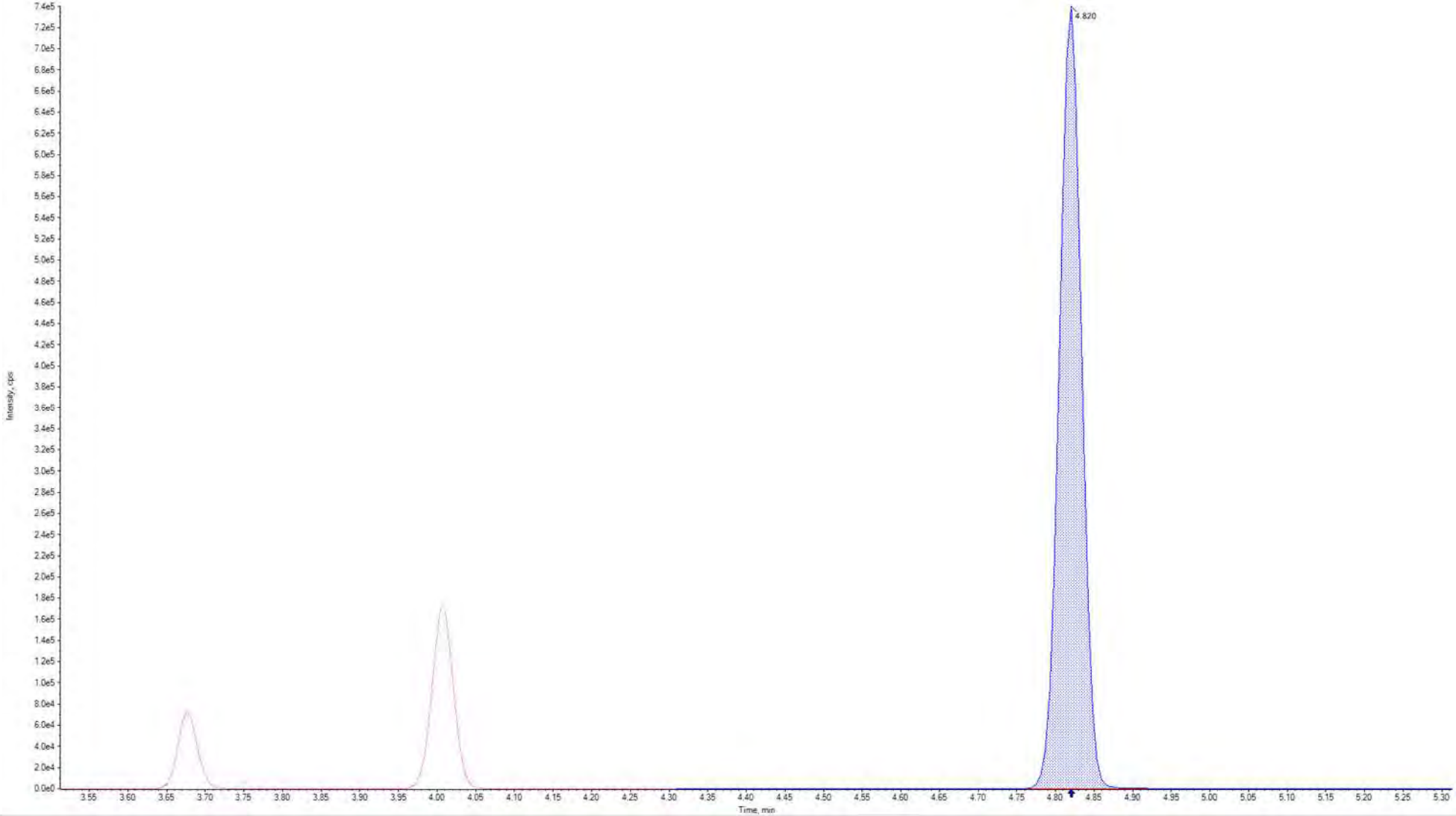
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDS_2
Sample: IA1633STD-50 S/N:13198.7 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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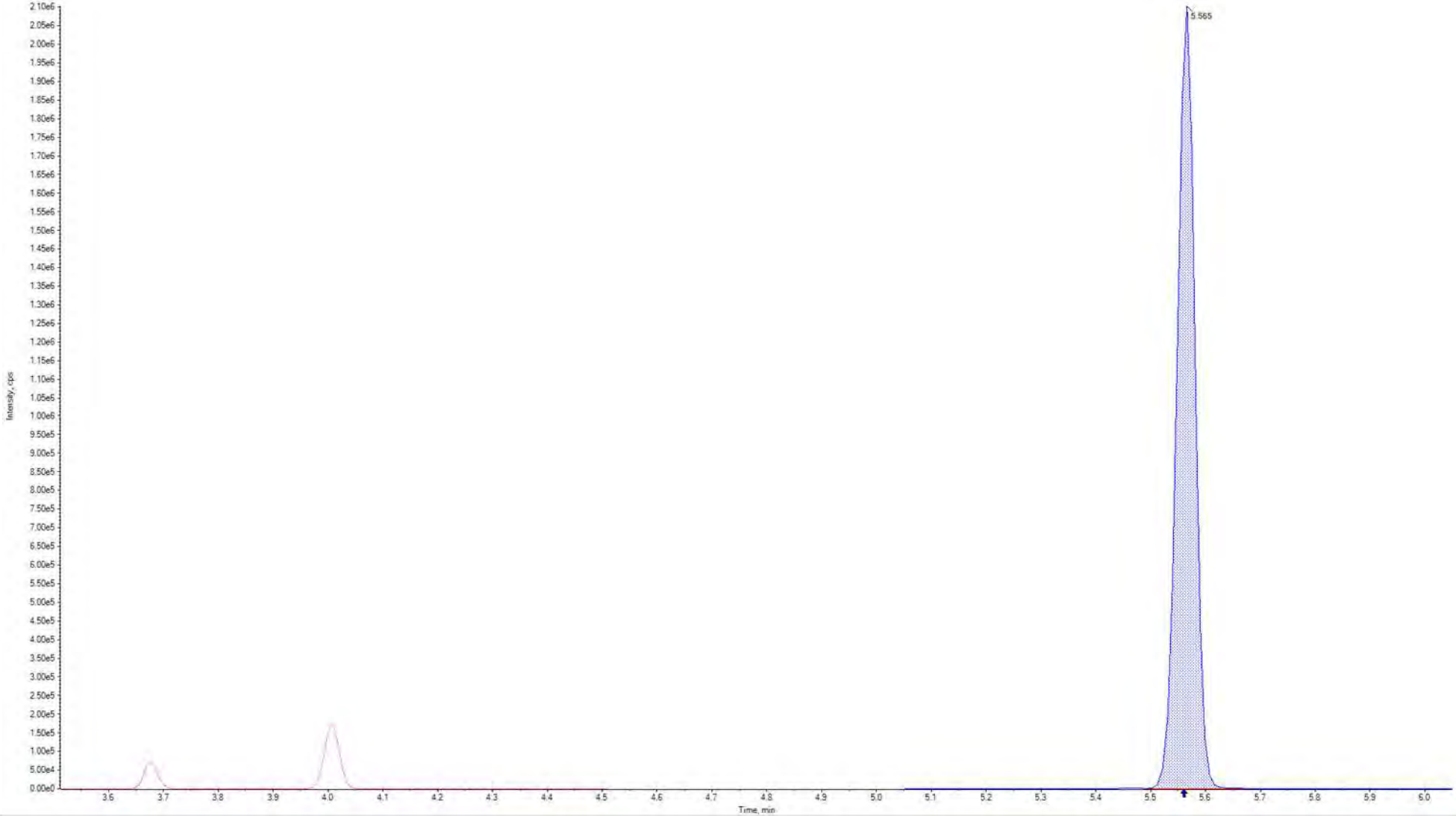
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoS
Sample: IA1633STD-50 S/N:25340.3 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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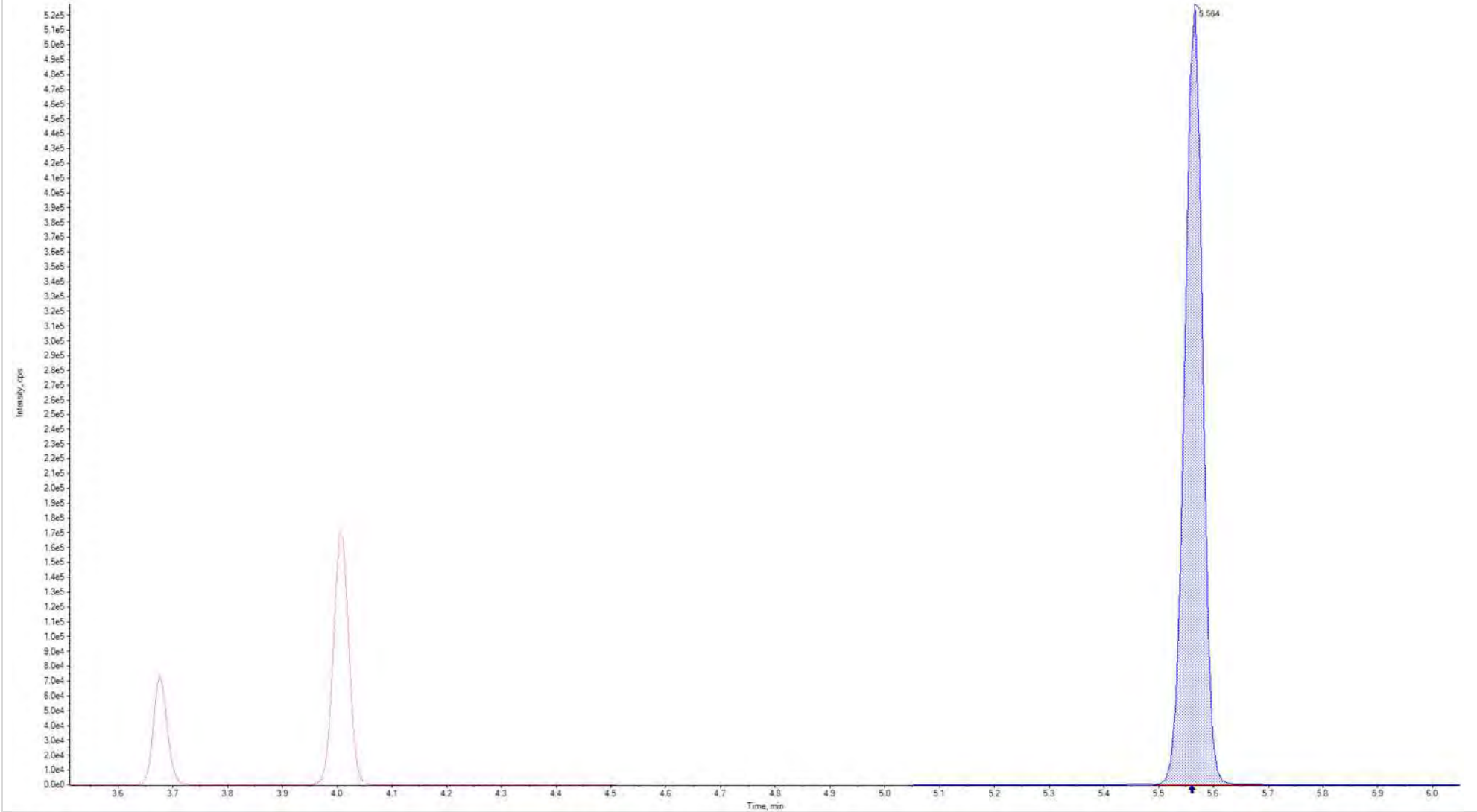
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoS_2
Sample: IA1633STD-50 S/N:41004.6 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 6:51:07 AM
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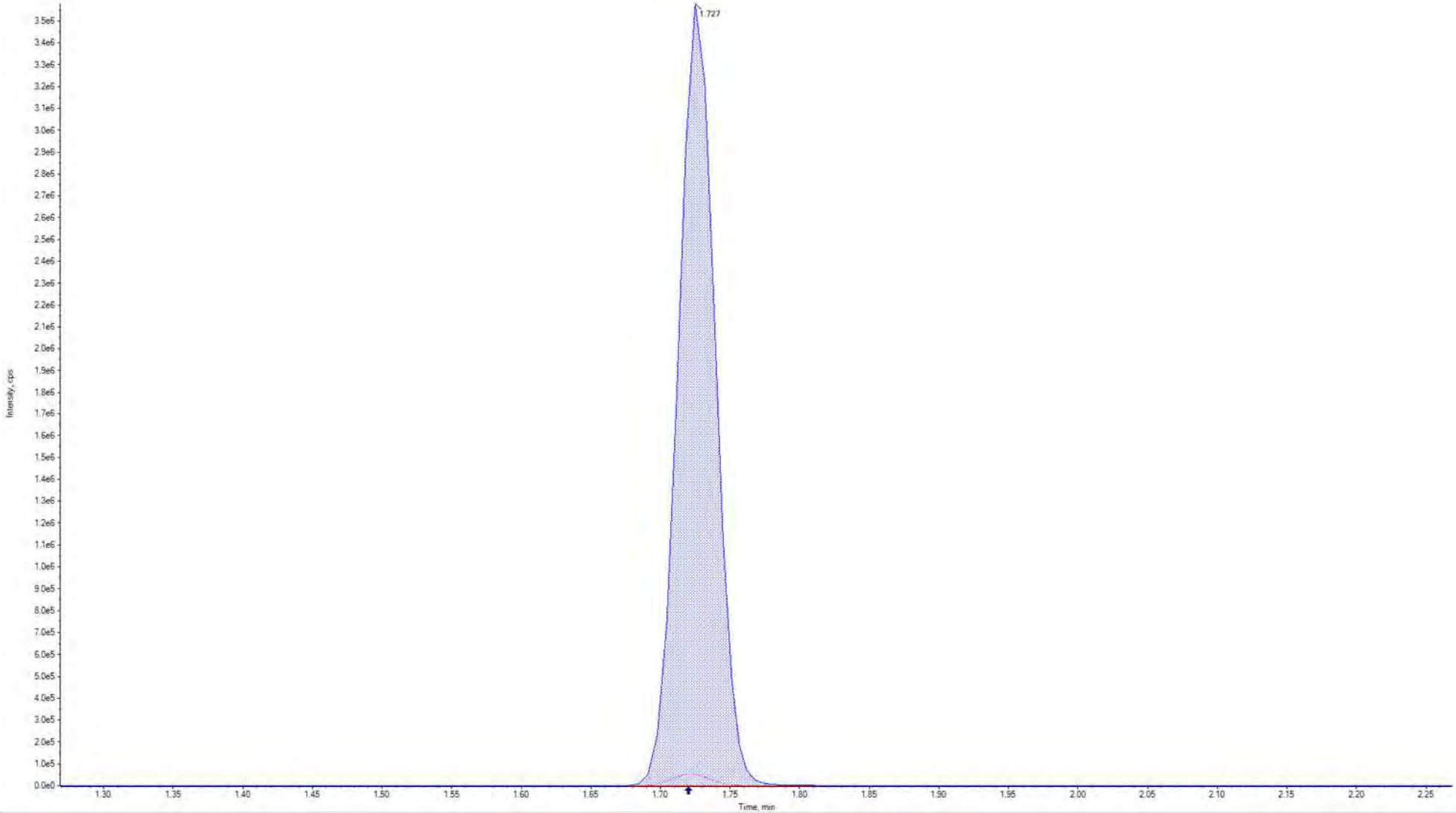
4:2FTS
Sample: IA1633STD-50 S/N:7948.3 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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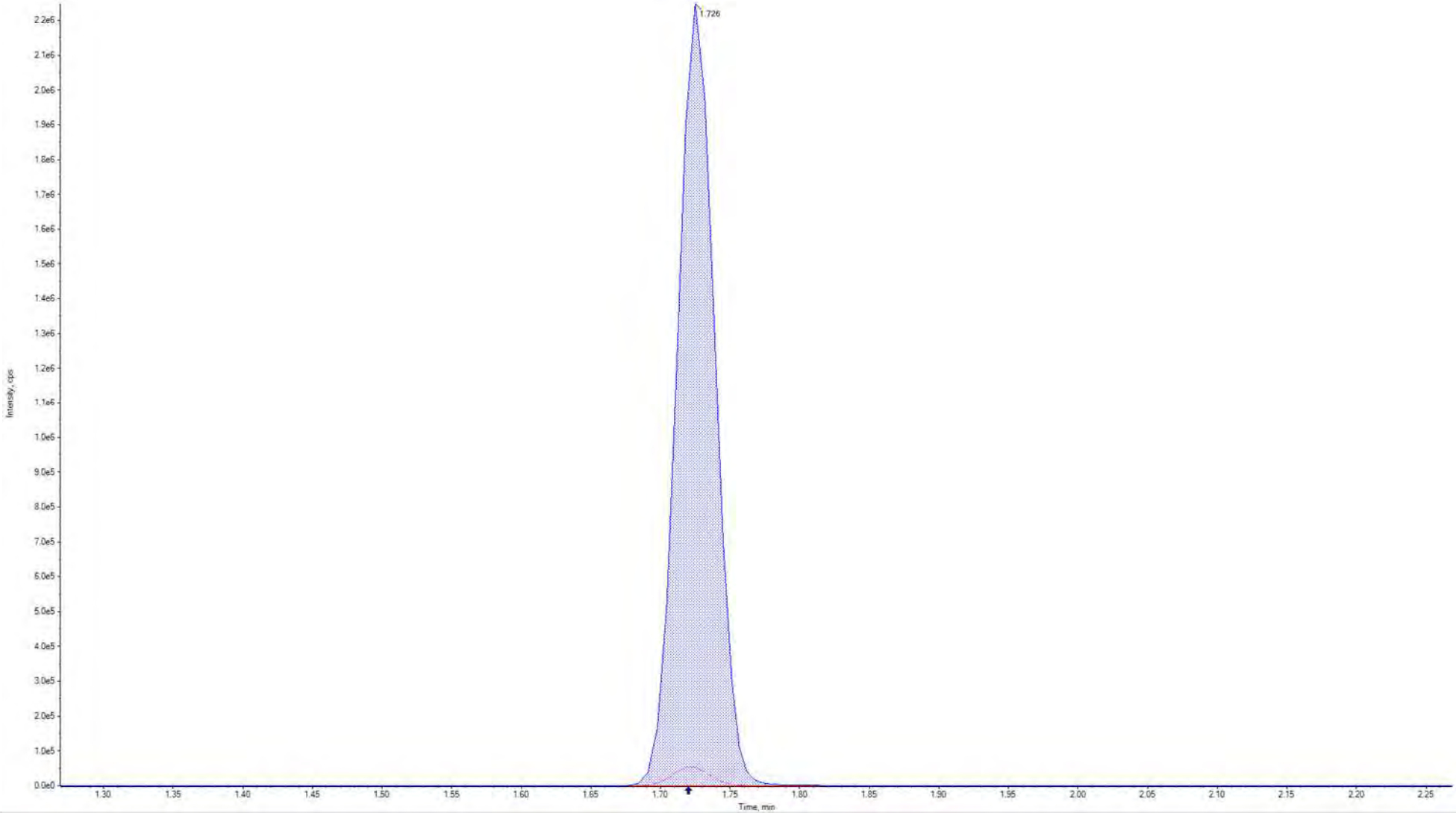
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

4:2FTS_2
Sample: IA1633STD-50 S/N:8174.4 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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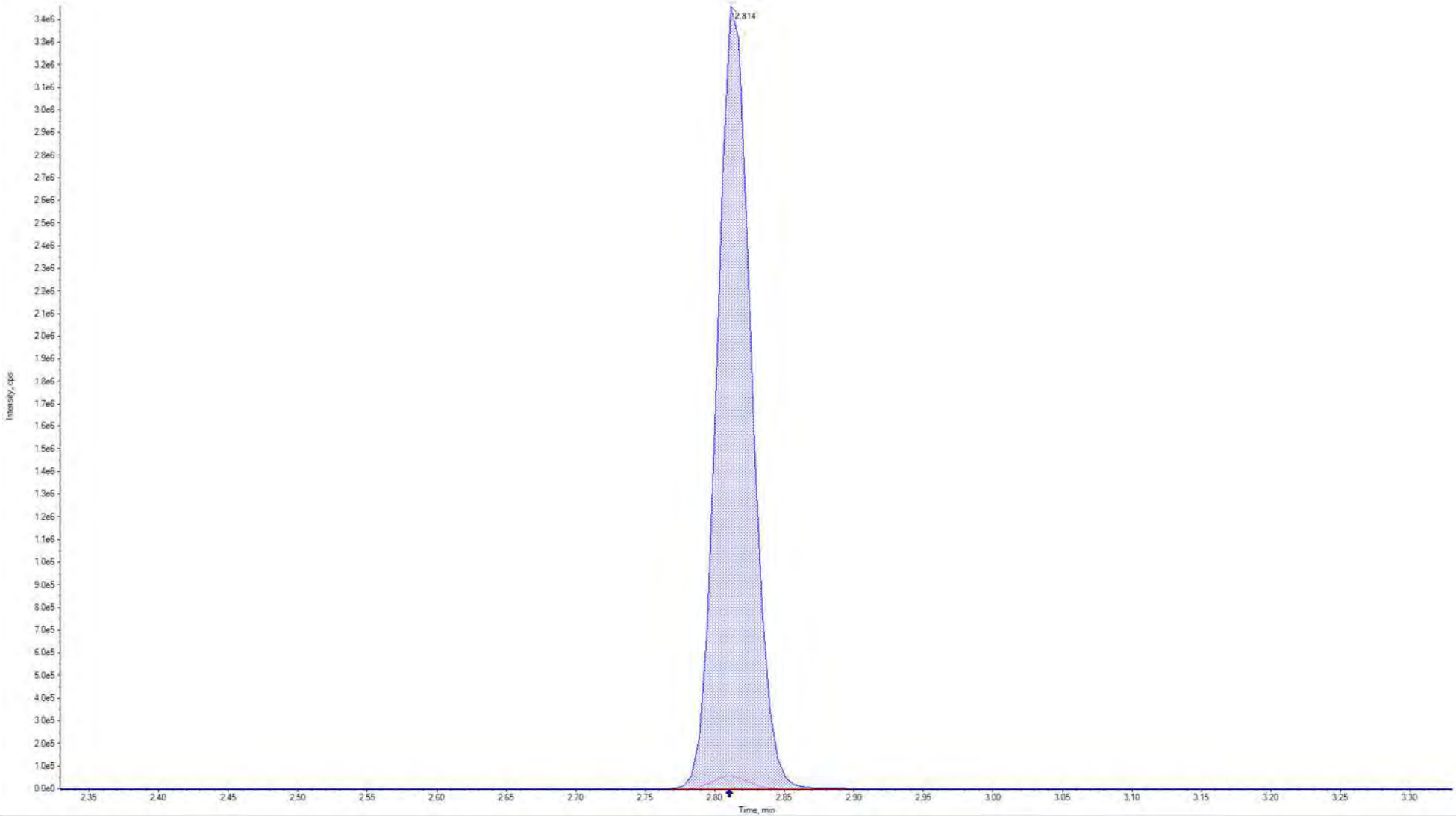
6:2FTS
Sample: IA1633STD-50 S/N:69345.2 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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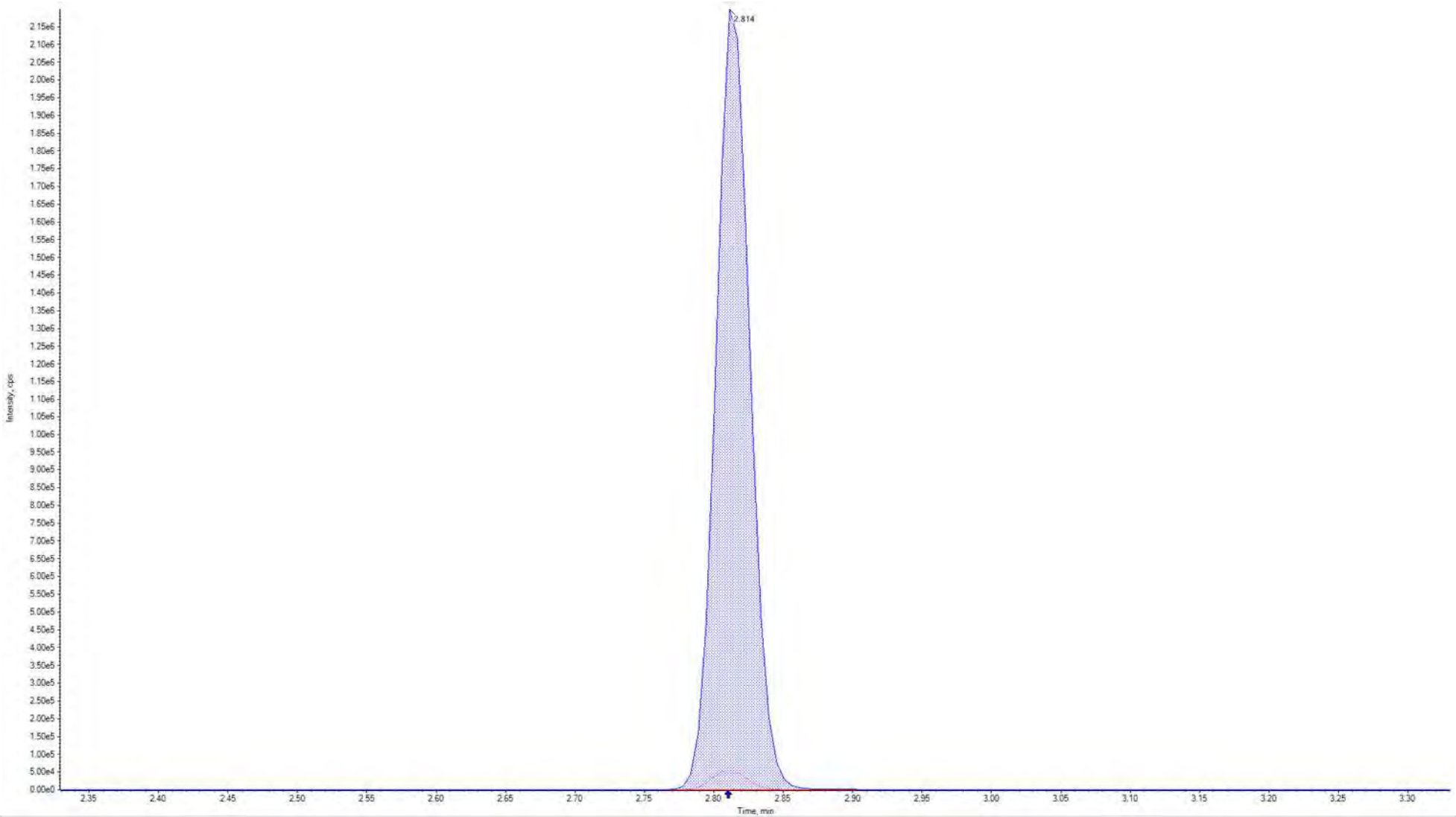
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

6:2FTS_2
Sample: IA1633STD-50 S/N:8878.4 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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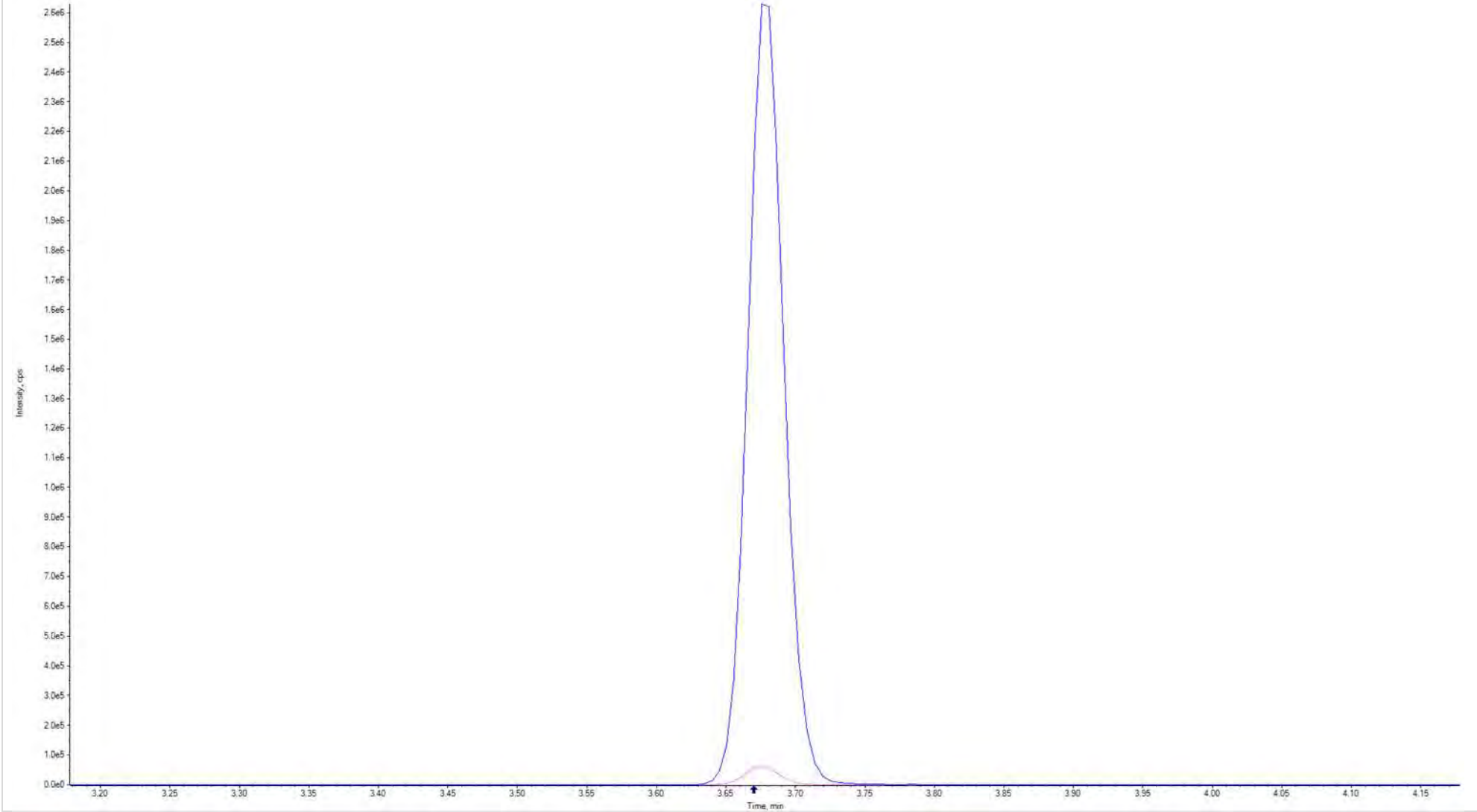
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

8:2FTS
Sample: IA1633STD-50 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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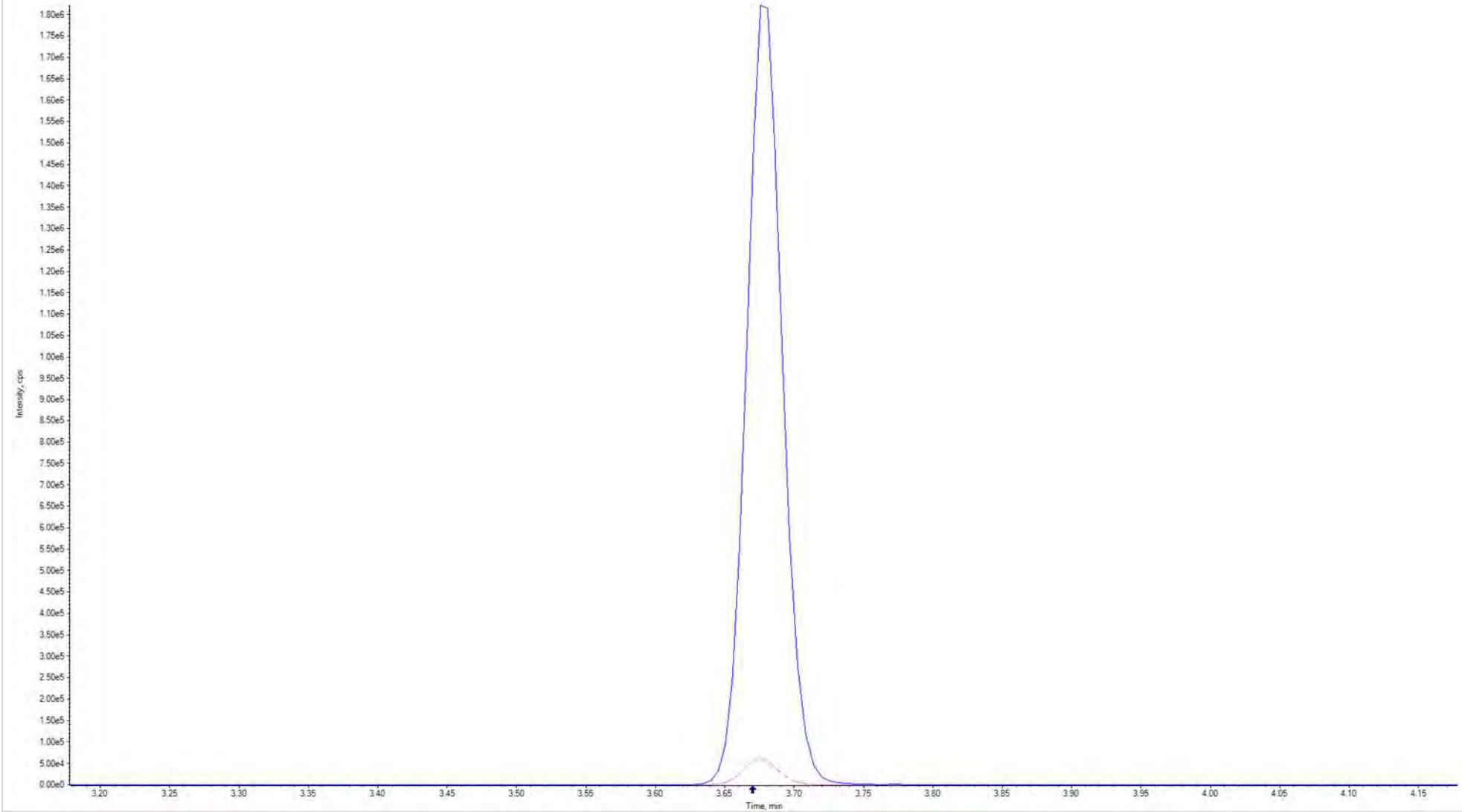
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

8:2FTS_2
Sample: IA1633STD-50 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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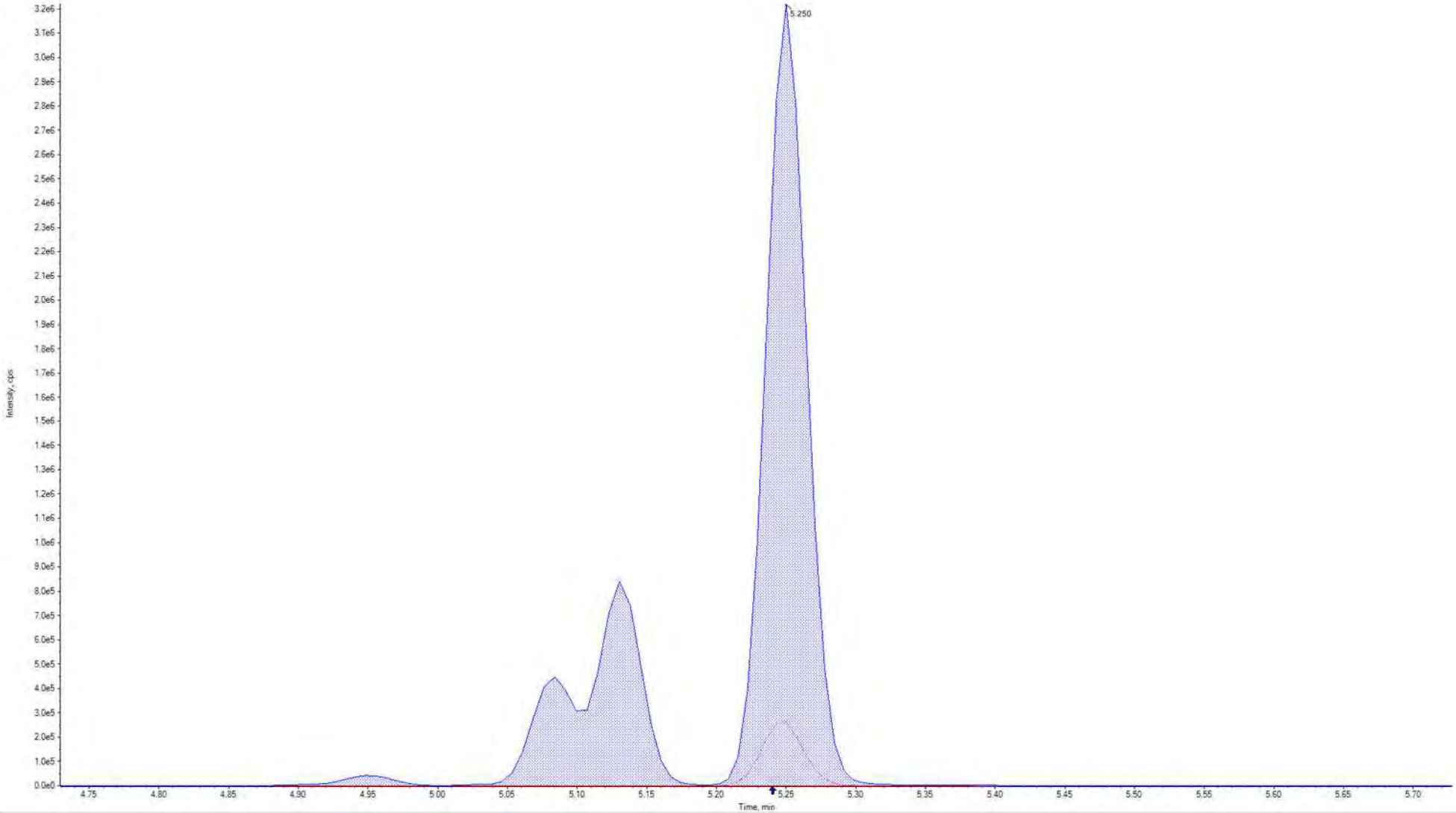
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOSA
Sample: IA1633STD-50 S/N:361.9 Points Across peak:76



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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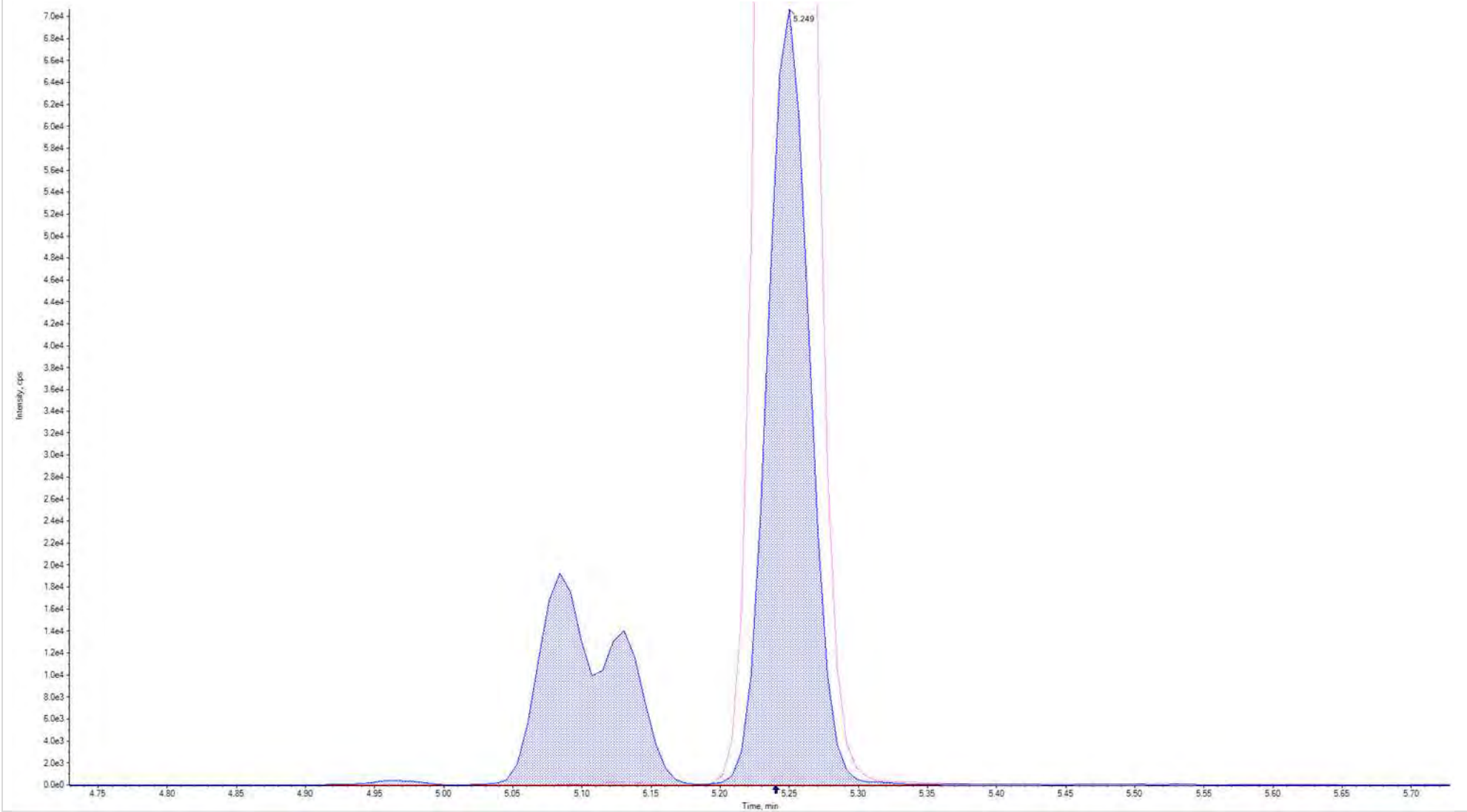
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOSA_2
Sample: IA1633STD-50 S/N:391.4 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\250303\SCI09_250303_29.wiff2_8
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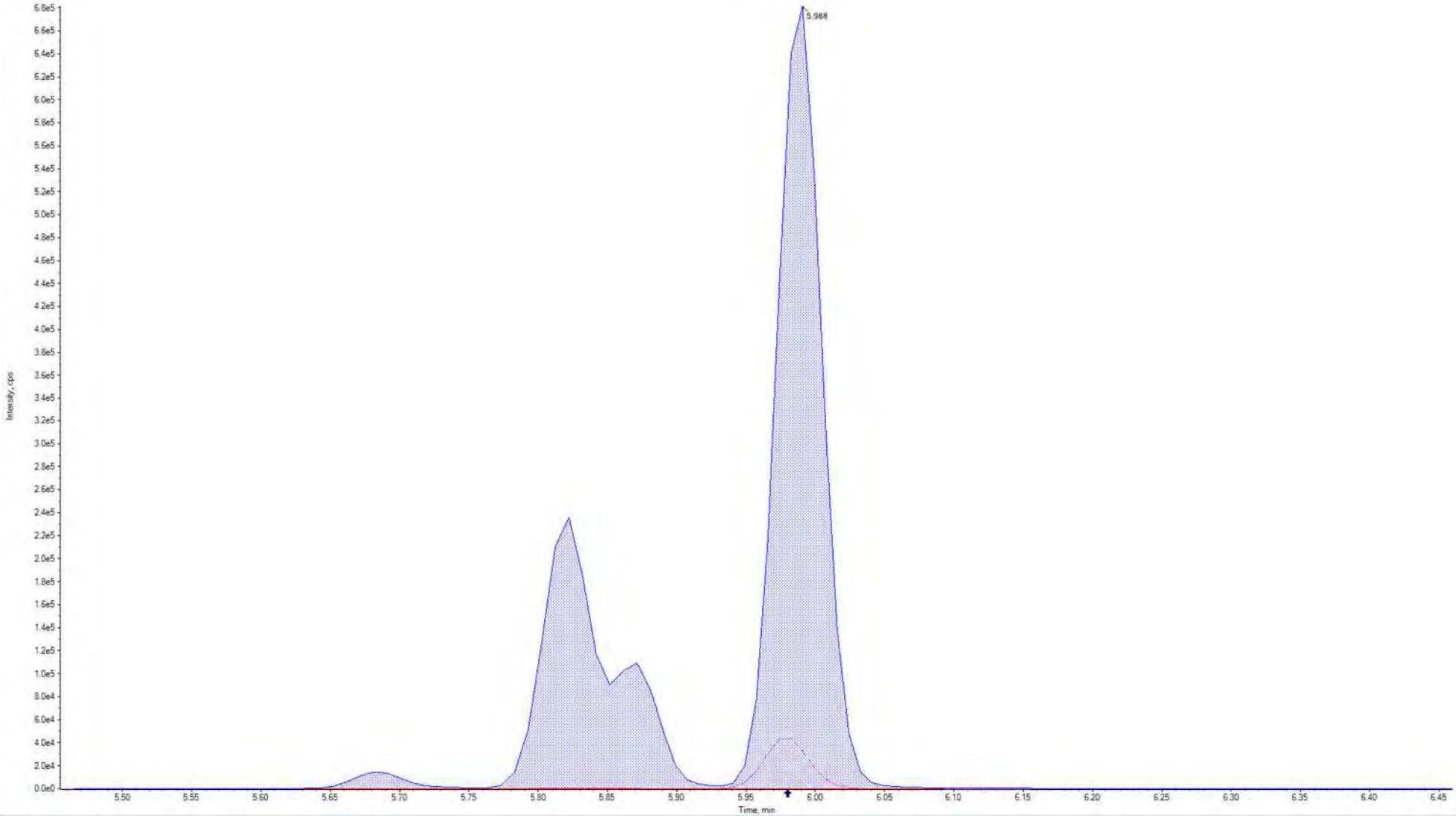
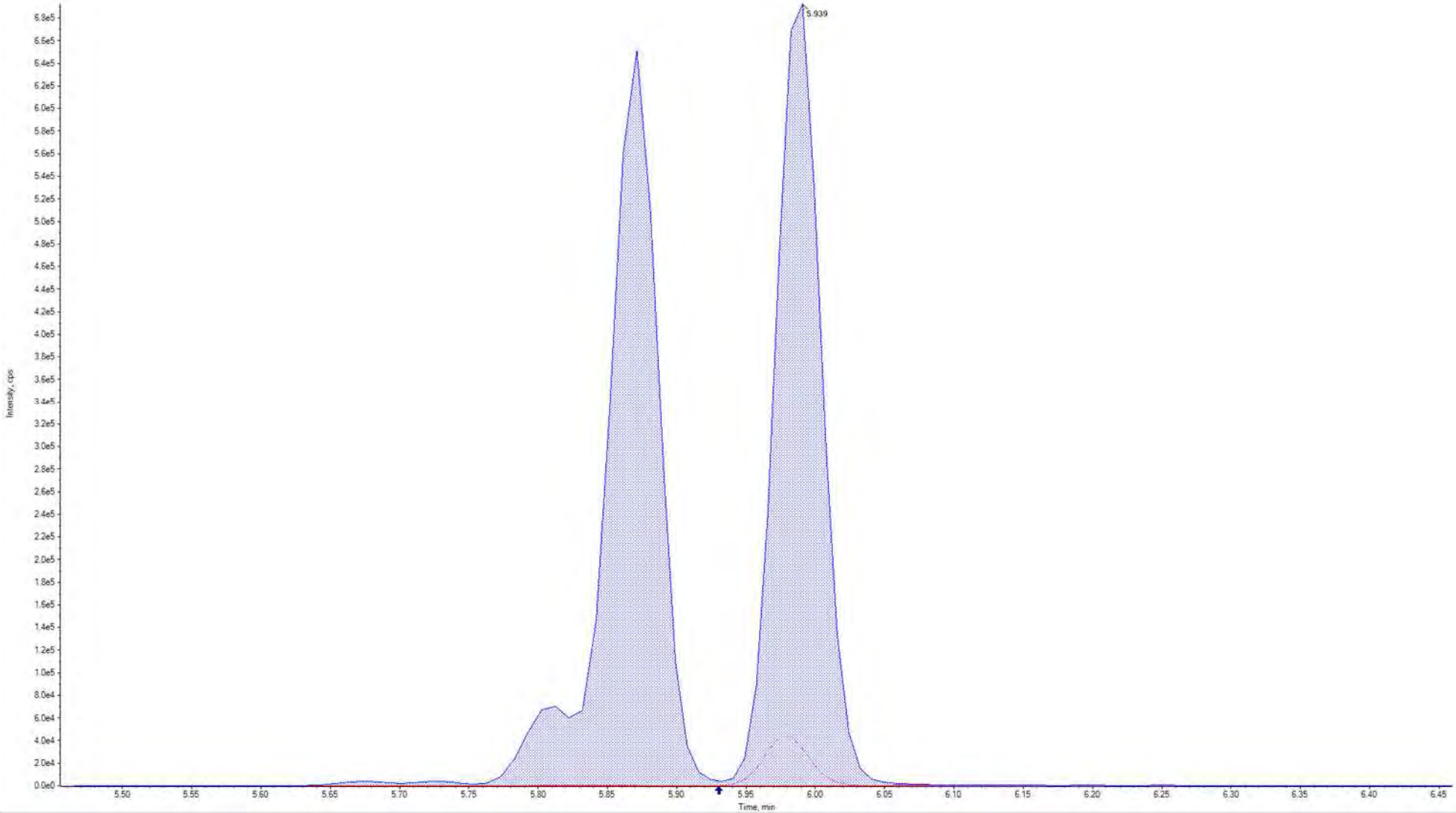
Generated: 3/3/2025 3:16:24 PM

NMeFOSA
Sample: IA1633STD-50 S/N:332.6 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\250303\SCI09_250303_29.wiff2_8
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSA_2
Sample: IA1633STD-50 S/N:242.6 Points Across peak:59



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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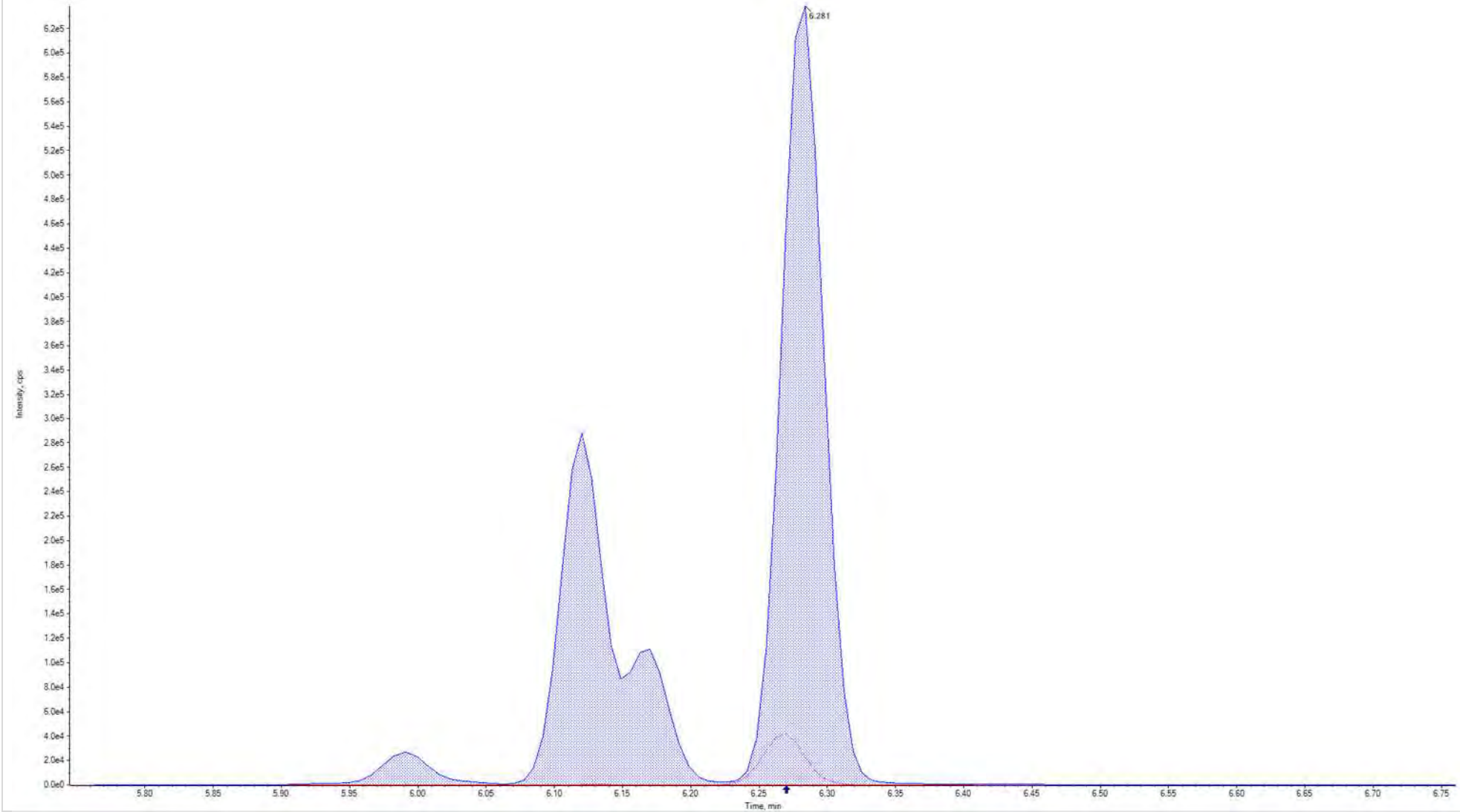
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSA
Sample: IA1633STD-50 S/N:701.5 Points Across peak:78



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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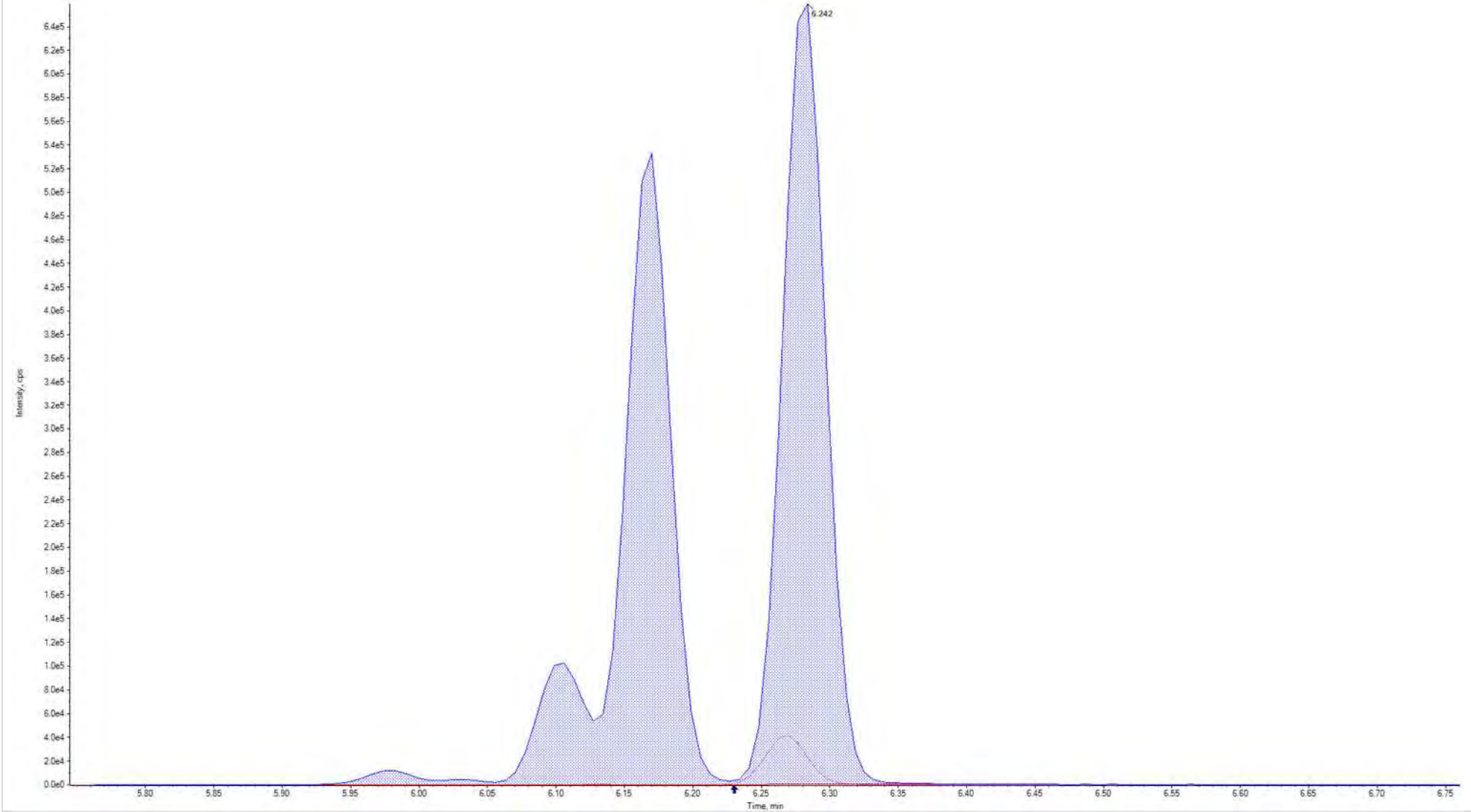
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSA_2
Sample: IA1633STD-50 S/N:693.8 Points Across peak:73



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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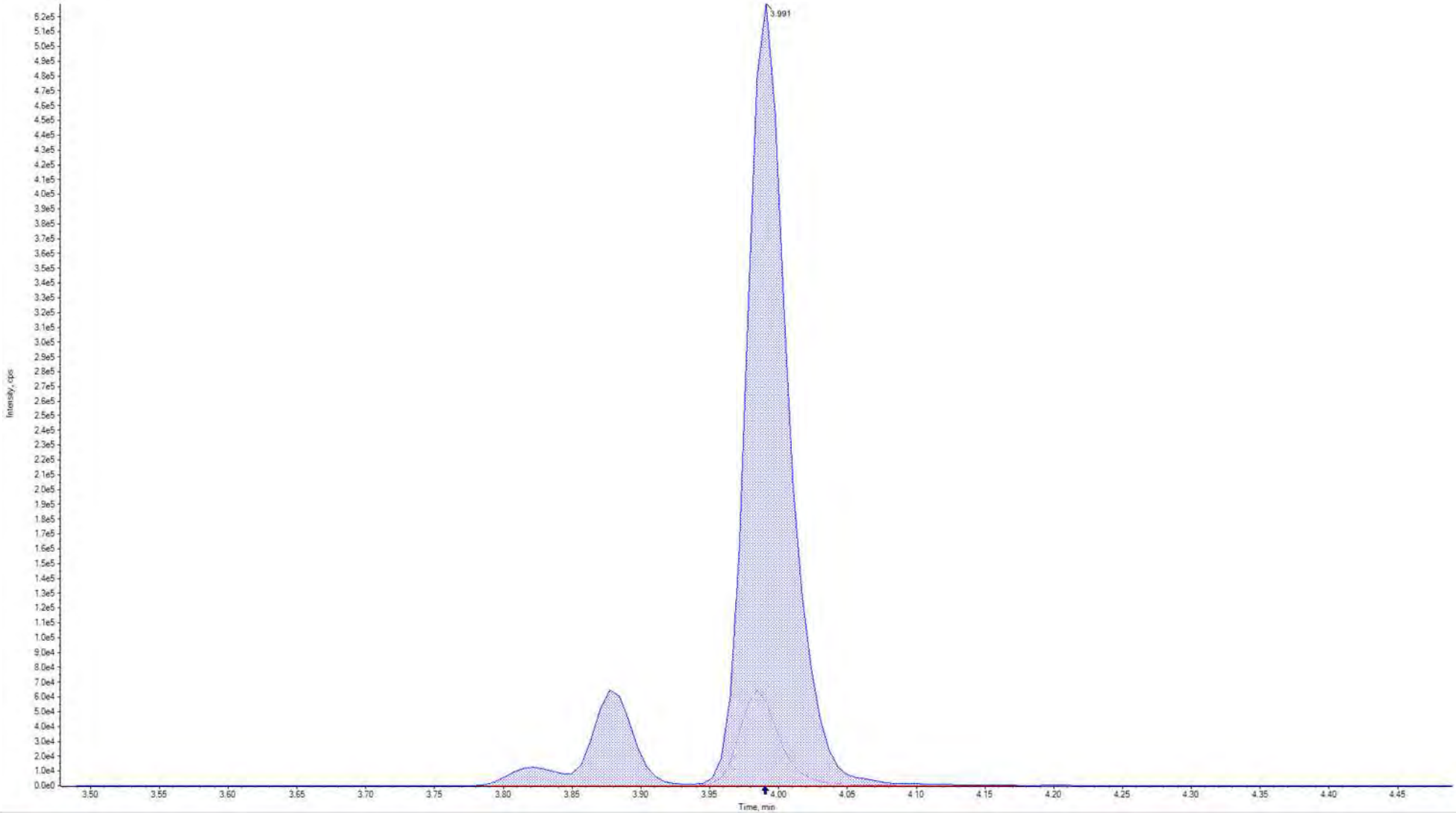
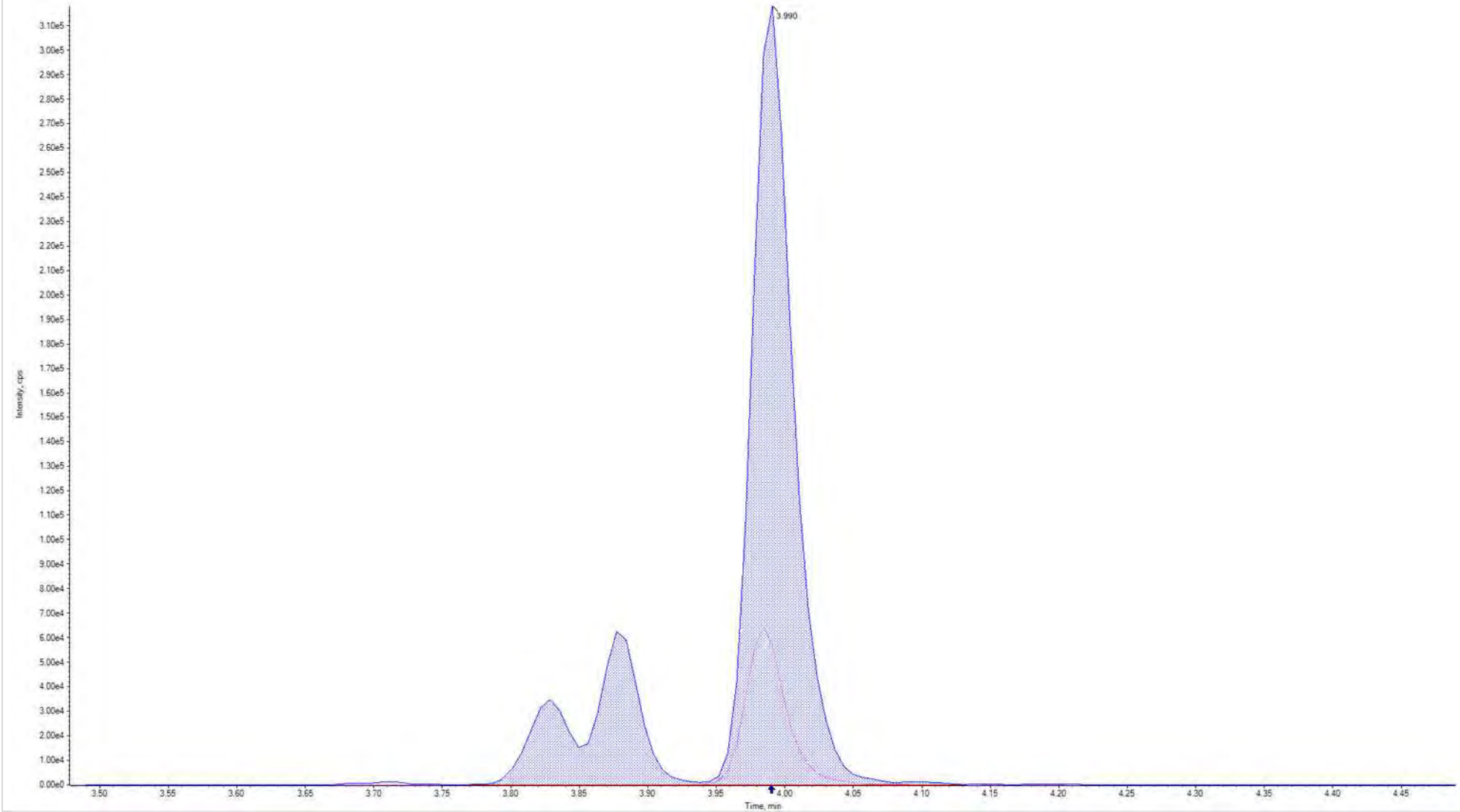
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSAA
Sample: IA1633STD-50 S/N:665.4 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\250303\SCI09_250303_29.wiff2_8
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSAA_2
Sample: IA1633STD-50 S/N:431.6 Points Across peak:57



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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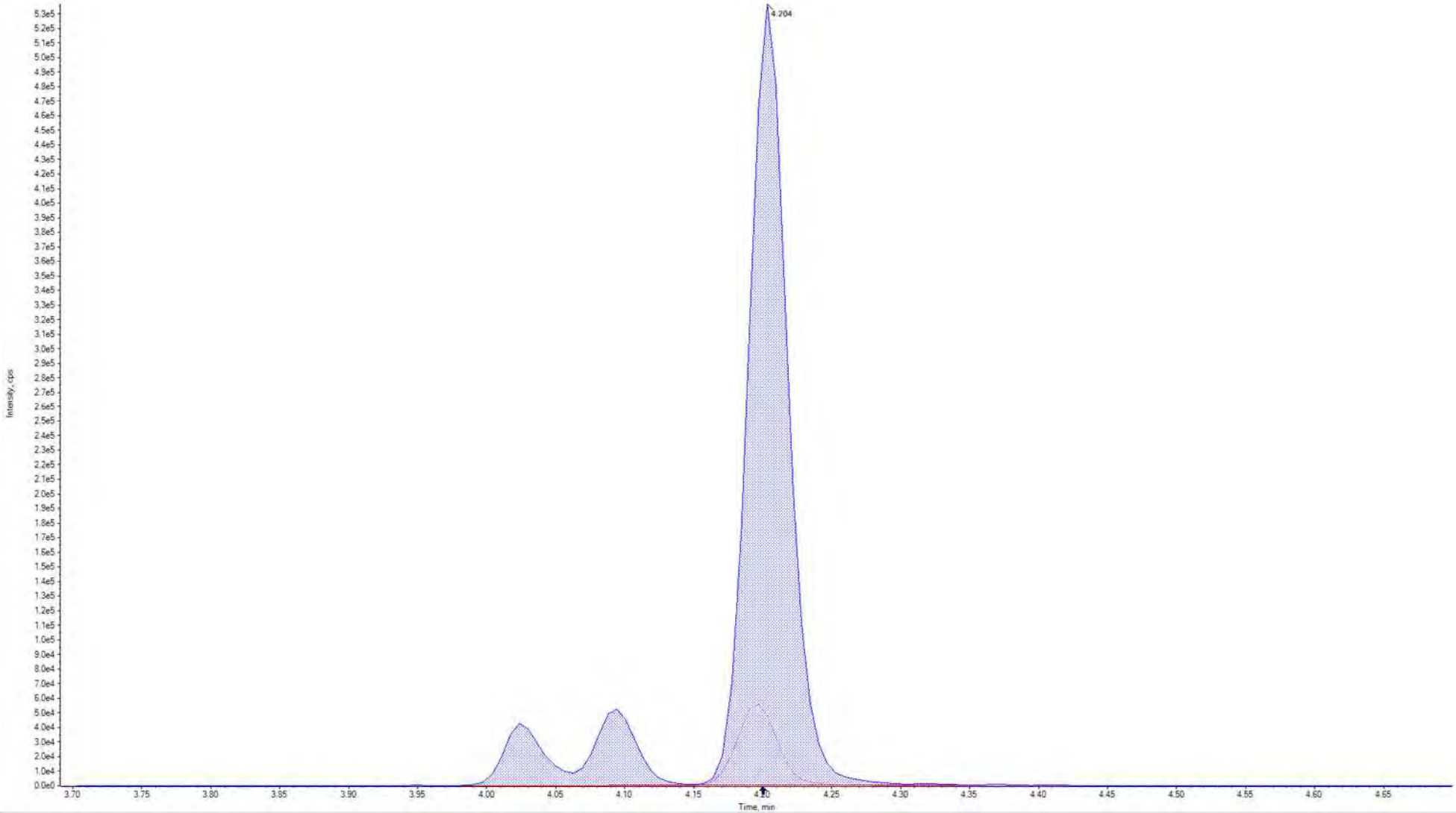
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSAA
Sample: IA1633STD-50 S/N:604.5 Points Across peak:60



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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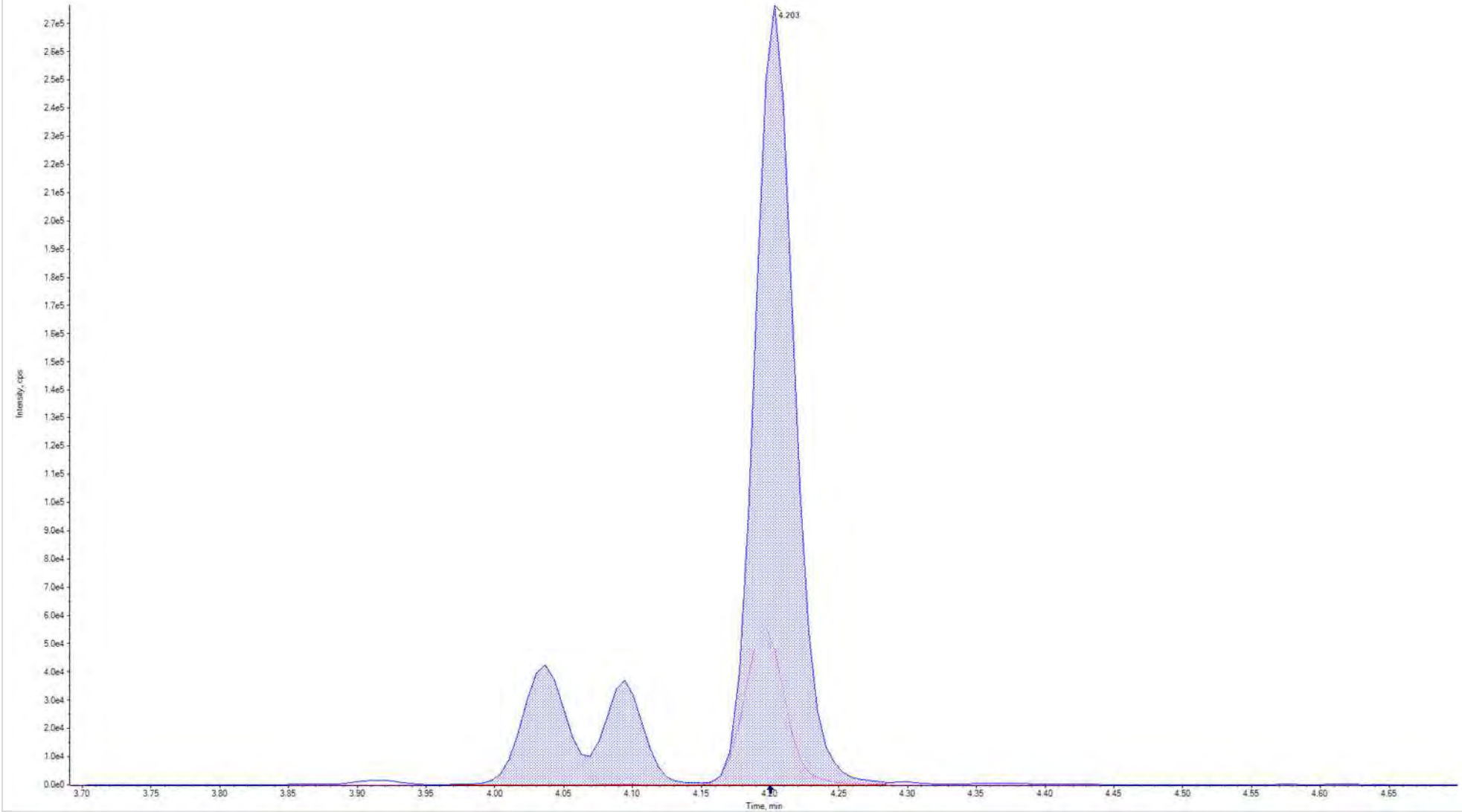
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSAA_2
Sample: IA1633STD-50 S/N:444.6 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\250303\SCI09_250303_29.wiff2_8
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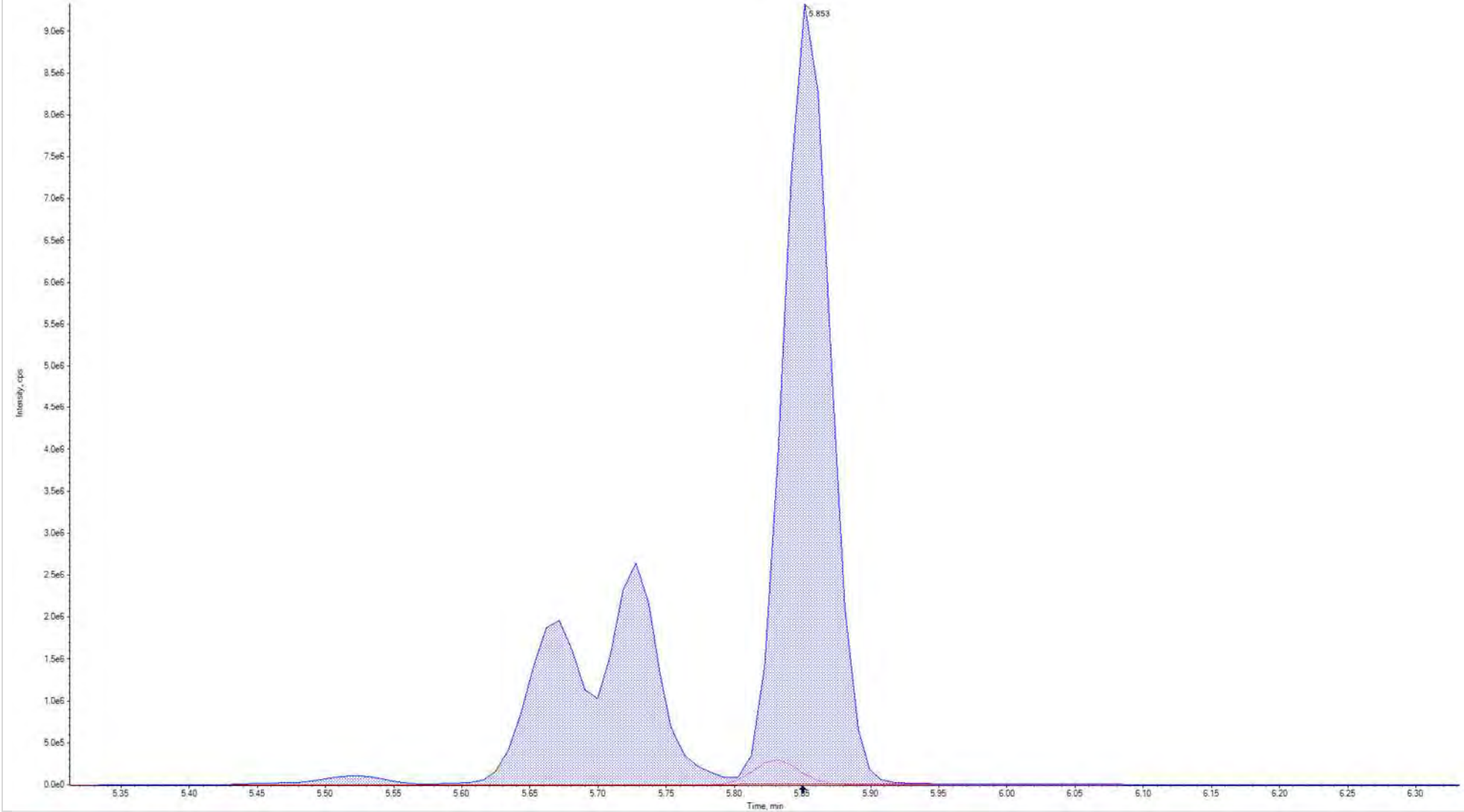
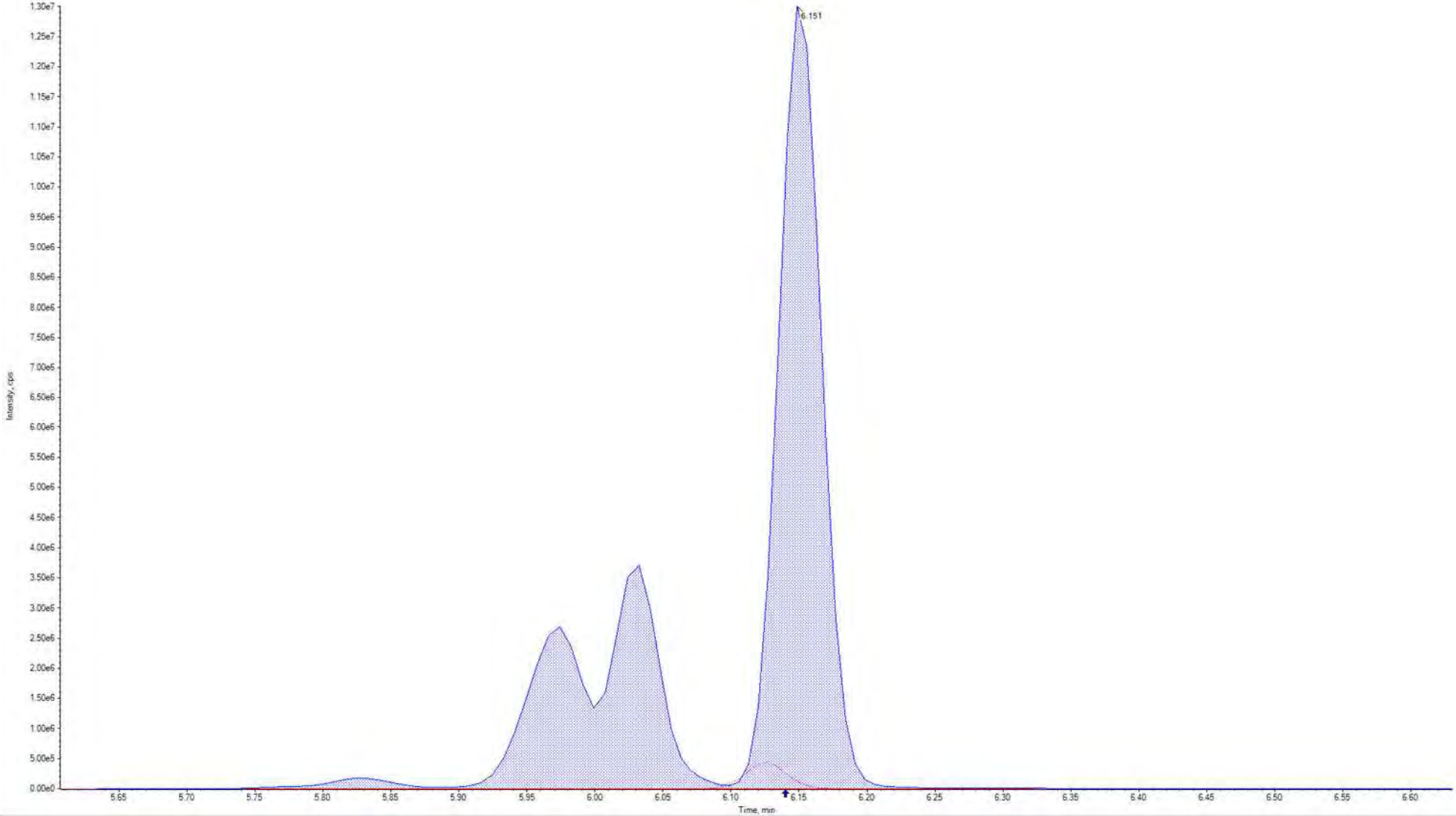
Generated: 3/3/2025 3:16:24 PM

NMeFOSE
Sample: IA1633STD-50 S/N:235.2 Points Across peak:64



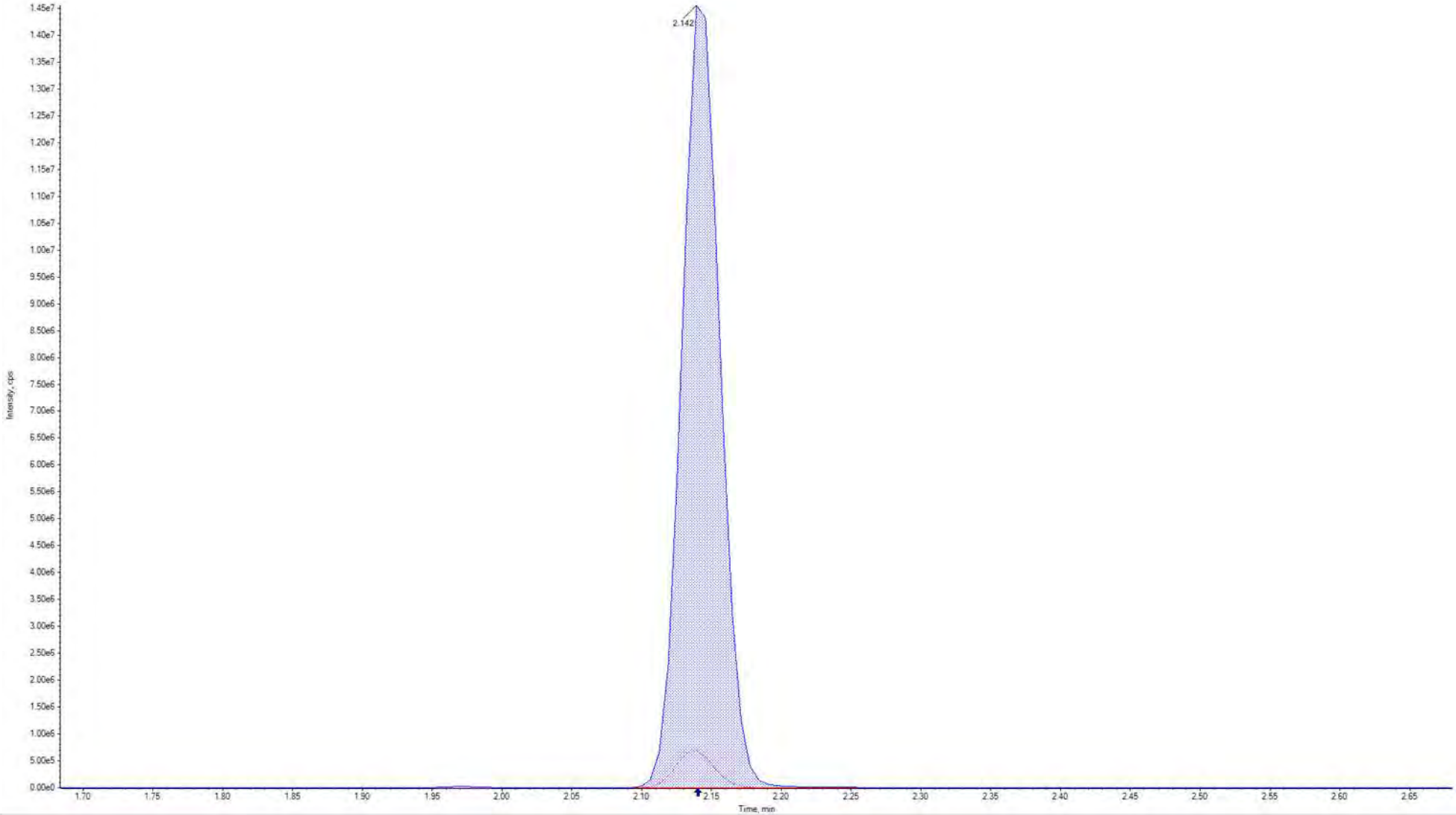
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_29.wiff2_8
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSE
Sample: IA1633STD-50 S/N:380.0 Points Across peak:77



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_29.wiff2_8
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

HFPO-DA
Sample: IA1633STD-50 S/N:328304.0 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 6:51:07 AM
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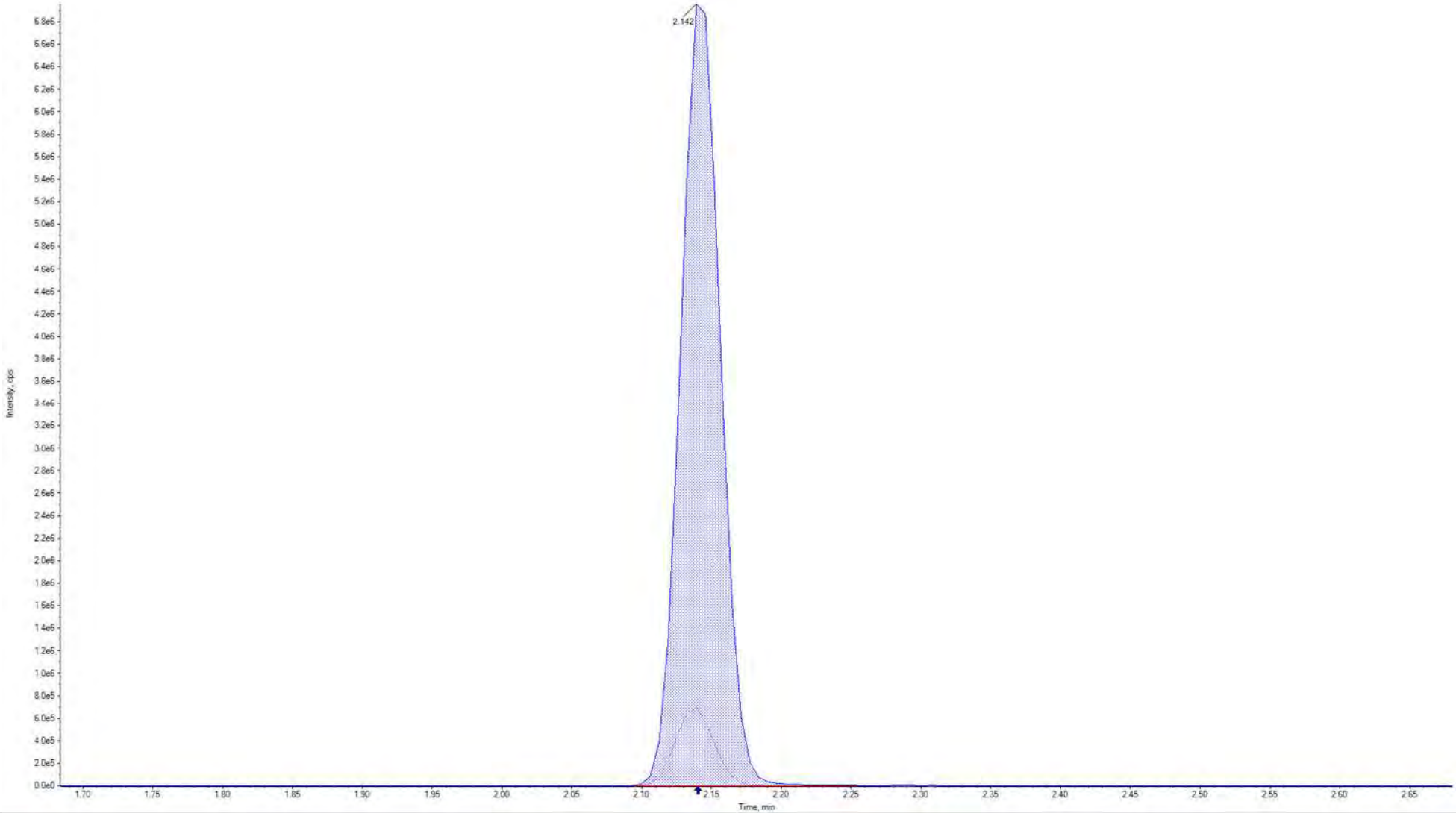
HFPO-DA_2
Sample: IA1633STD-50 S/N:59399.9 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 6:51:07 AM
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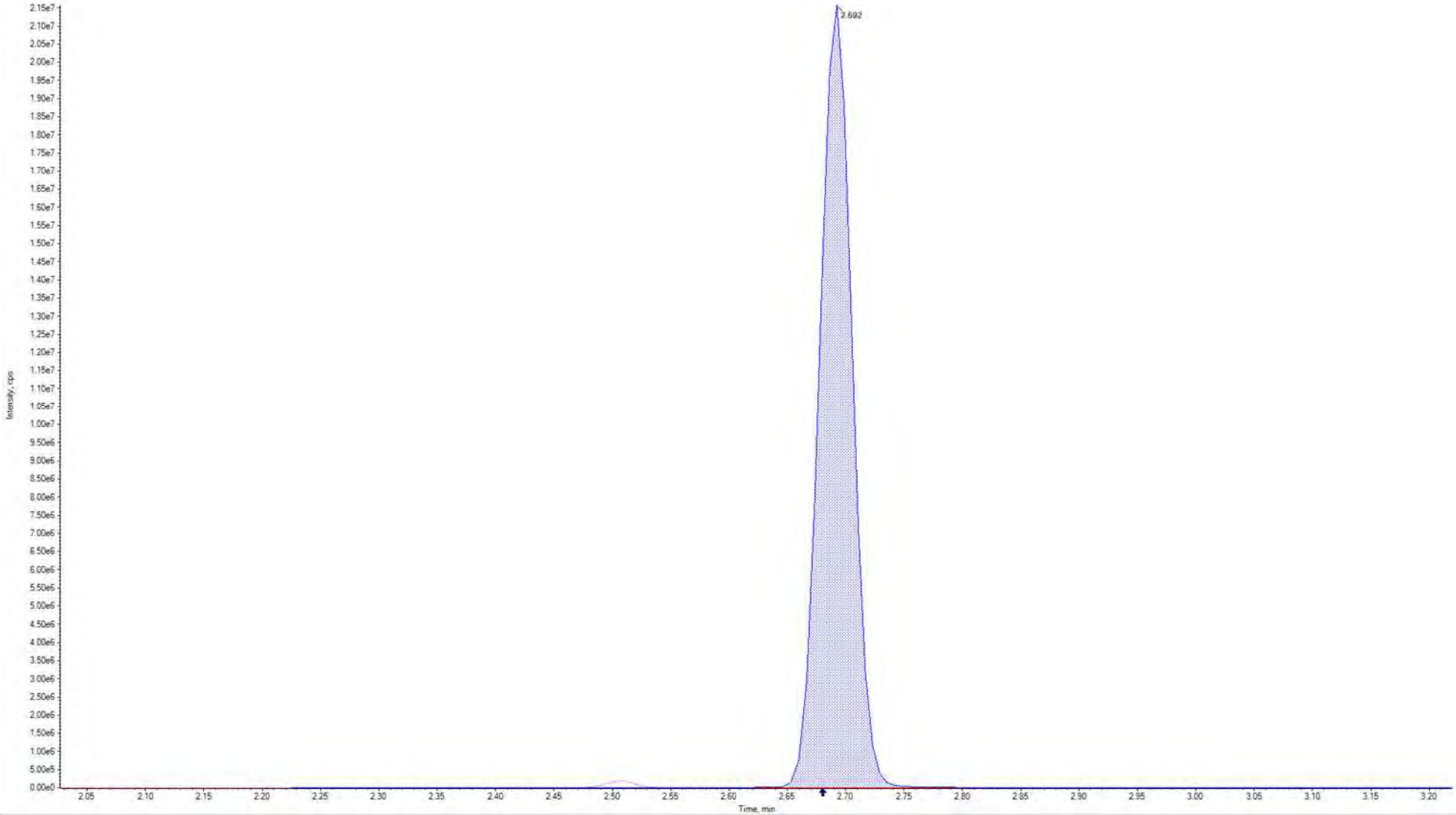
ADONA
Sample: IA1633STD-50 S/N:138565.1 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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Last Altered: 3/4/2025 6:51:07 AM
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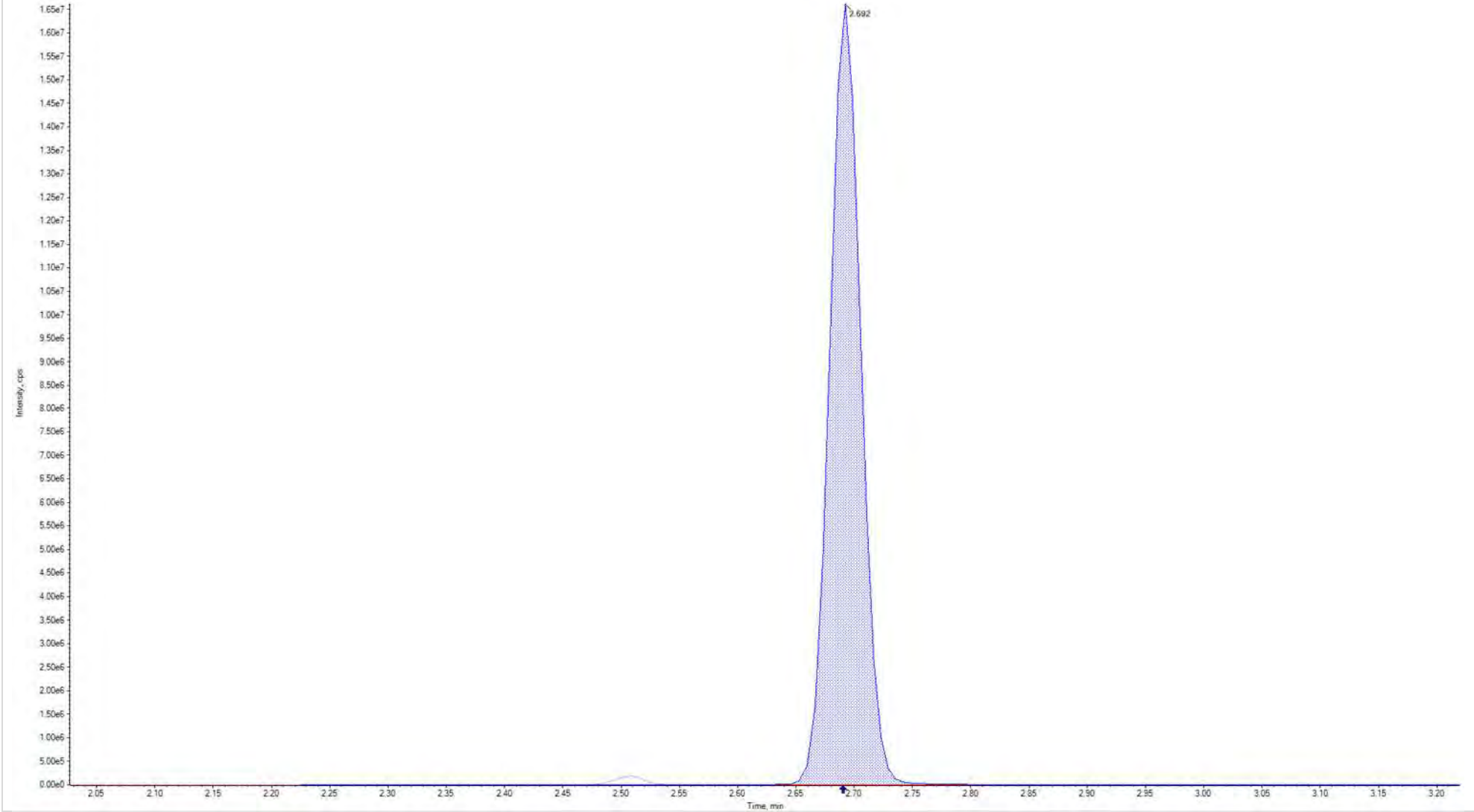
ADONA_2
Sample: IA1633STD-50 S/N:80214.4 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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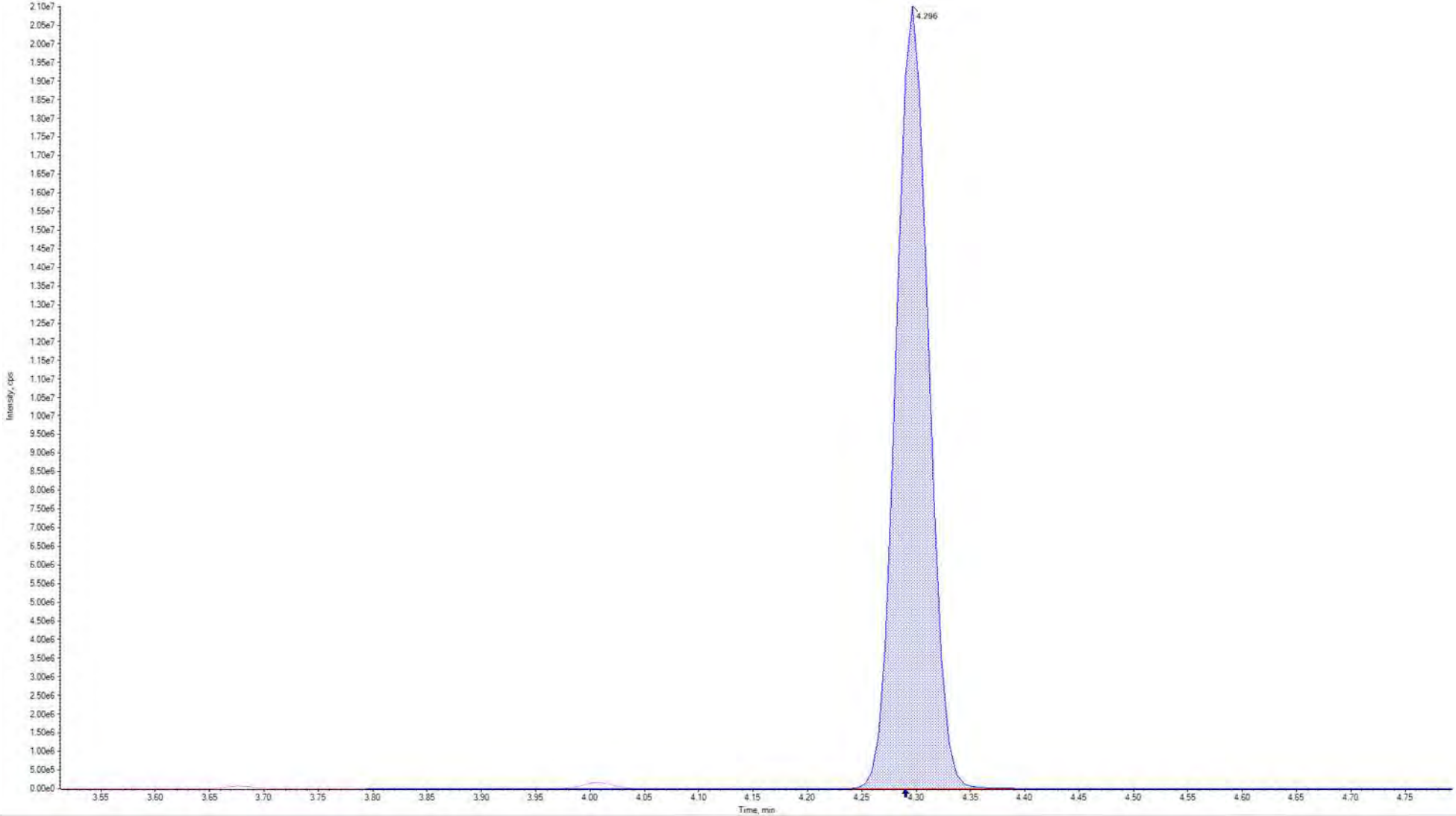
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

9Cl-PF3ONS
Sample: IA1633STD-50 S/N:6378.8 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 6:51:07 AM
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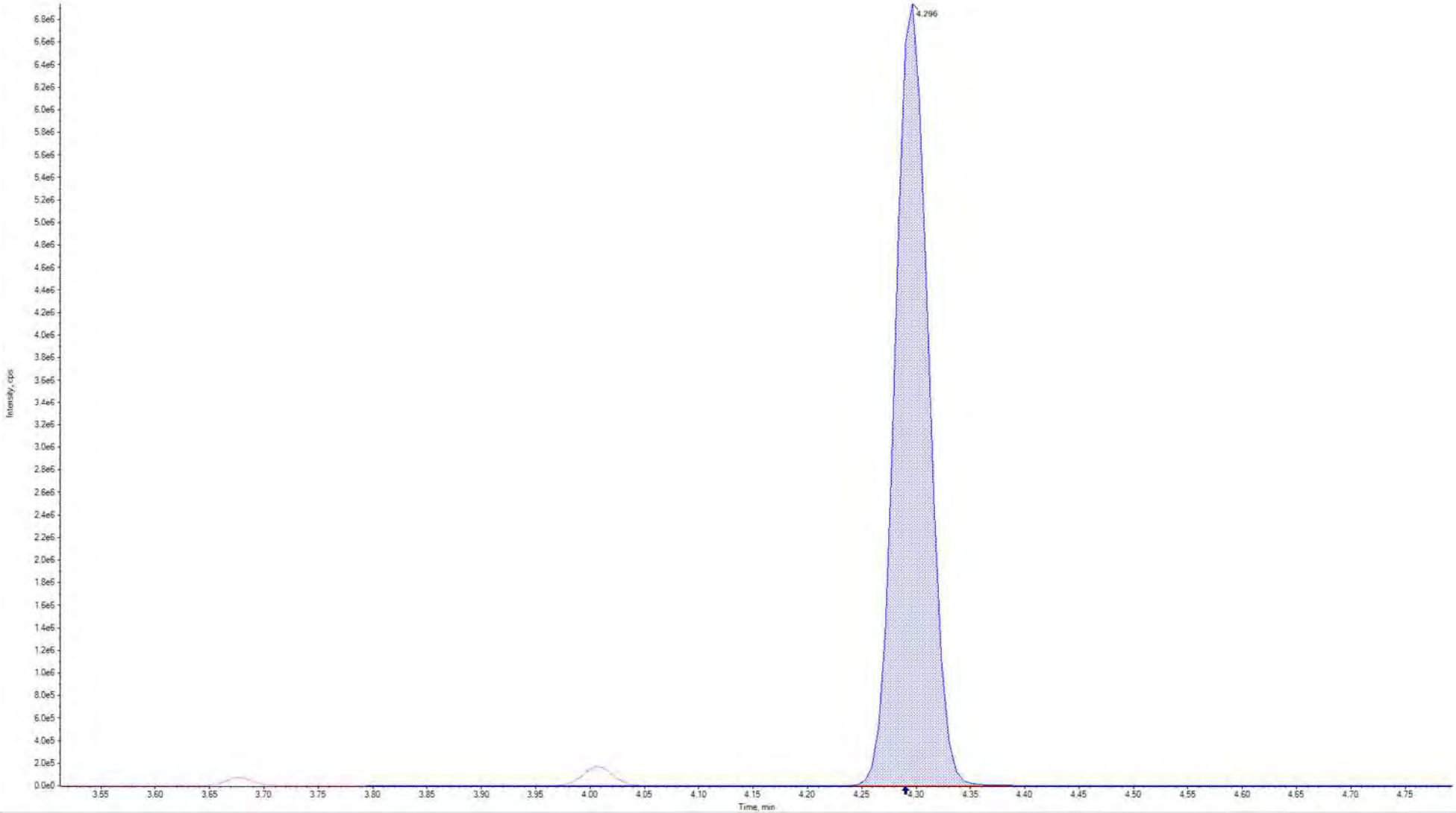
9Cl-PF3ONS_2
Sample: IA1633STD-50 S/N:6416.0 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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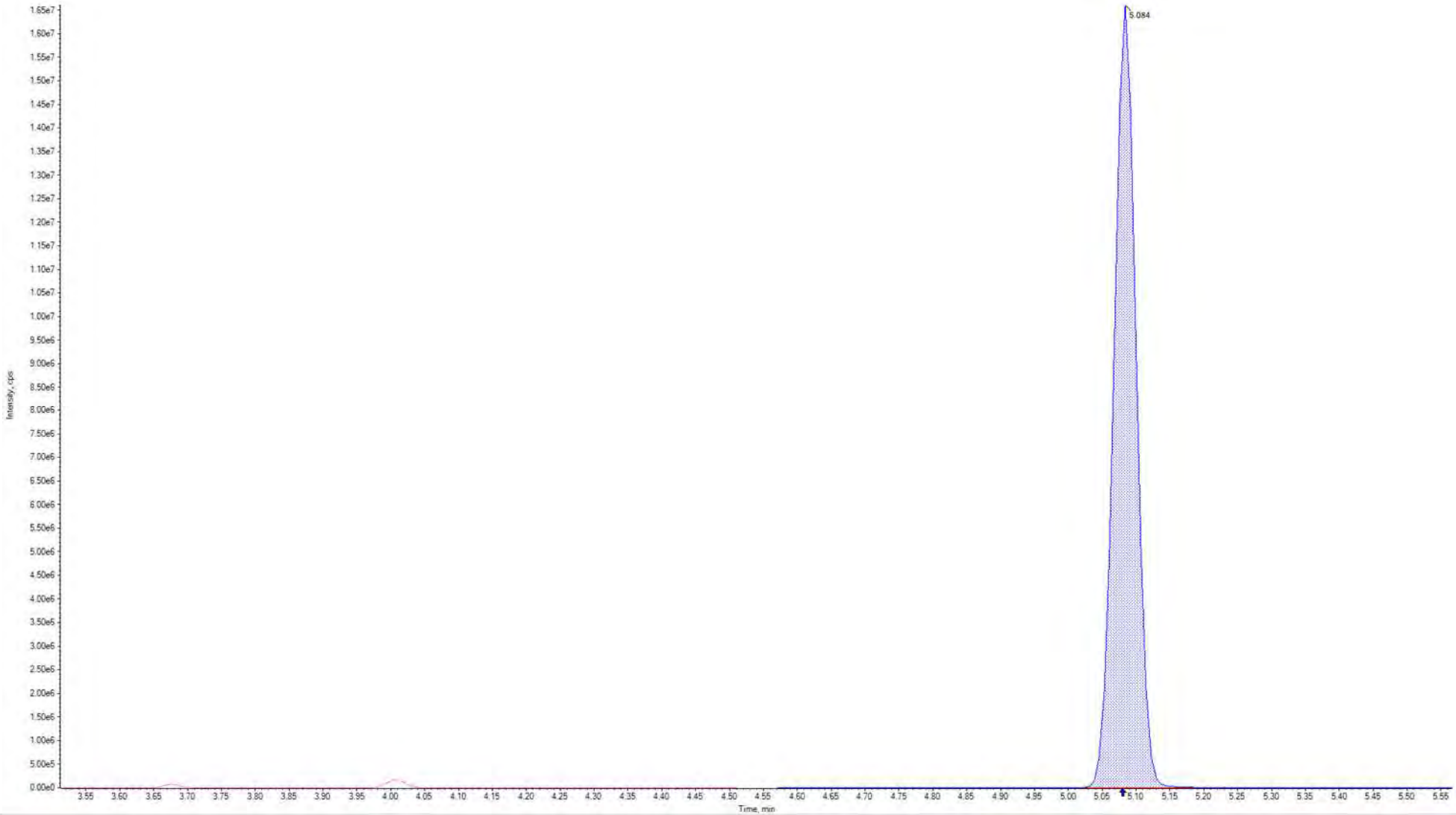
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

11Cl-PF3OUdS
Sample: IA1633STD-50 S/N:790590.7 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 6:51:07 AM
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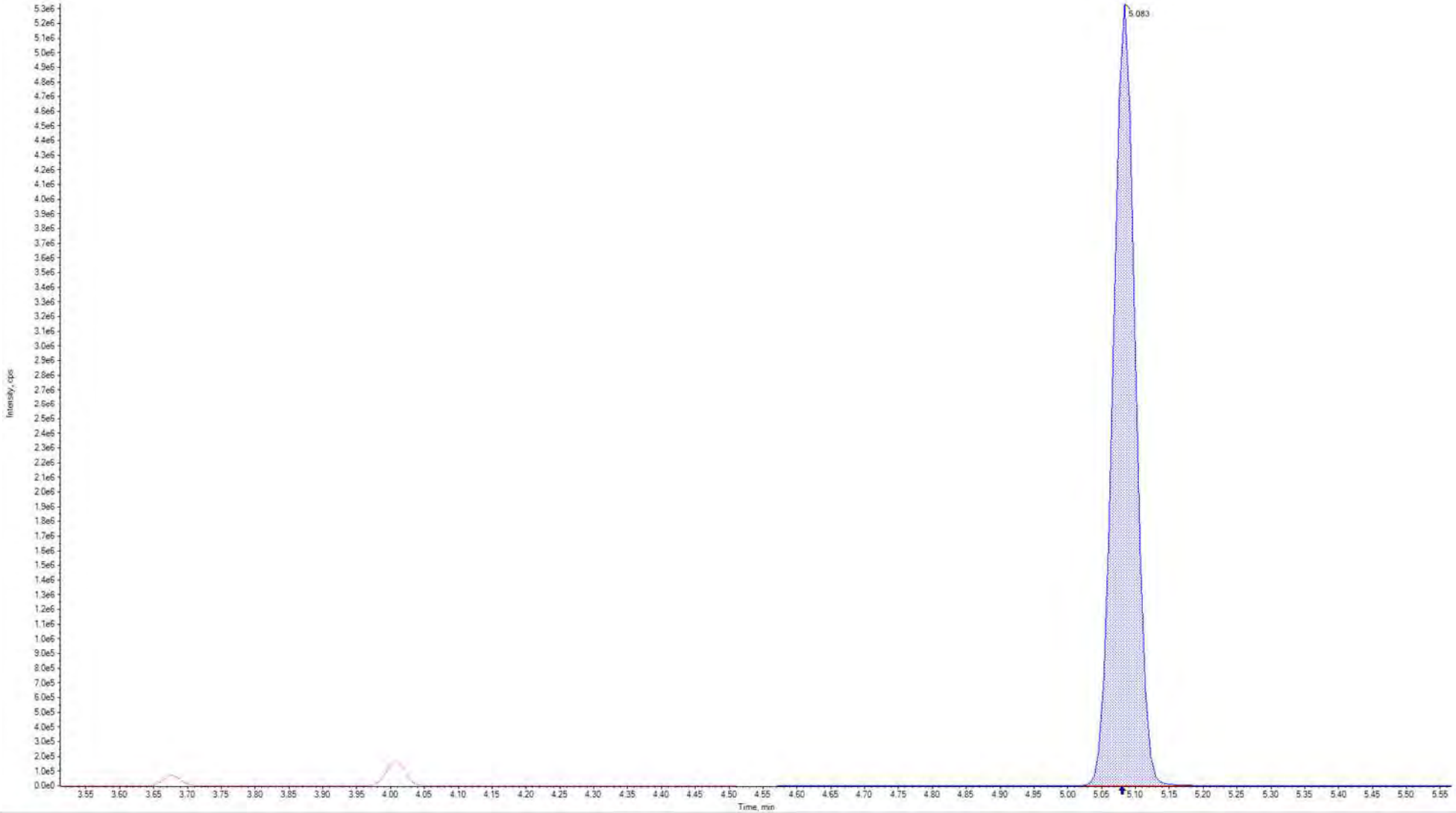
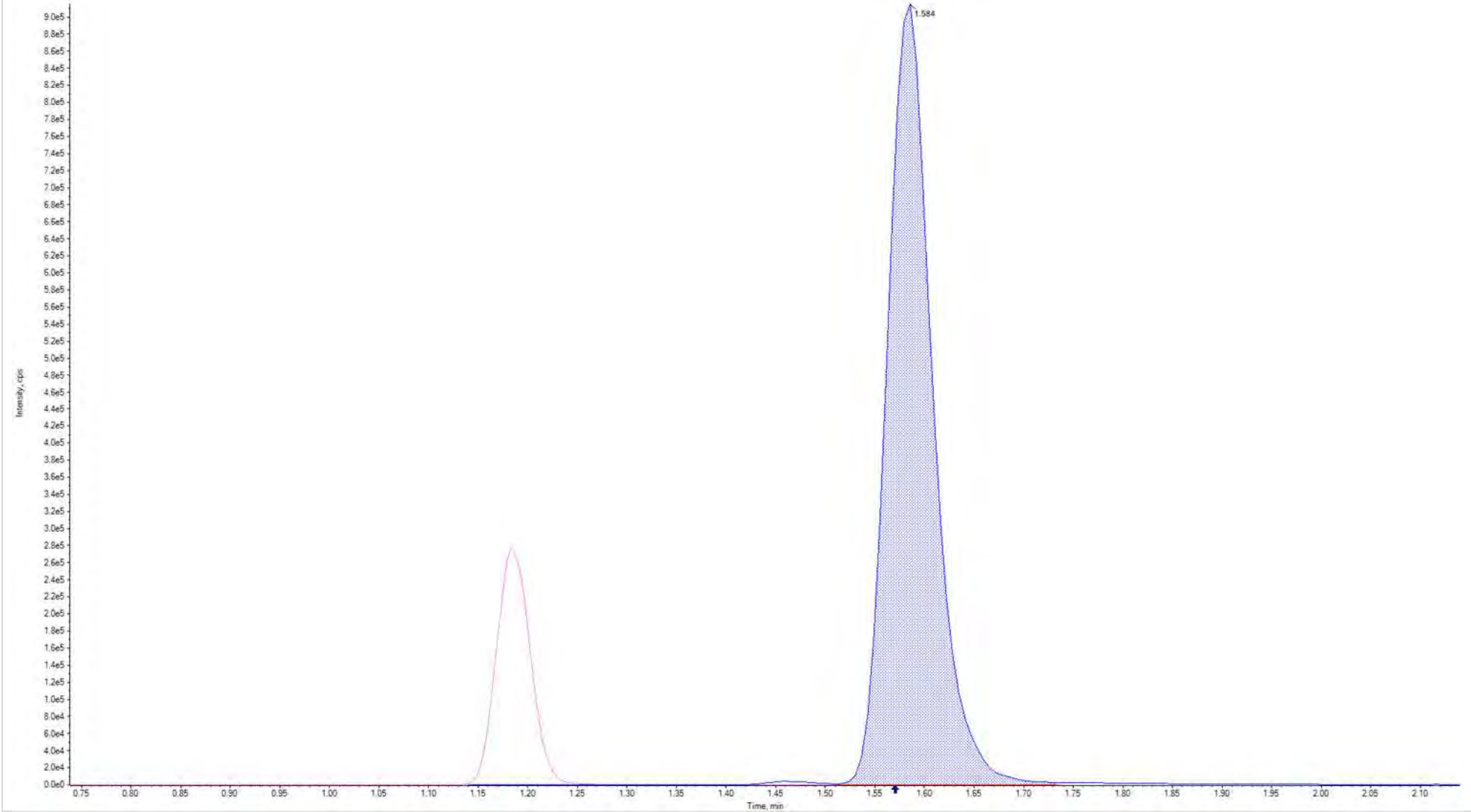
11Cl-PF3OUdS_2
Sample: IA1633STD-50 S/N:253928.4 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_29.wiff2_8
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

3:3FTCA
Sample: IA1633STD-50 S/N:3258.3 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 6:51:07 AM
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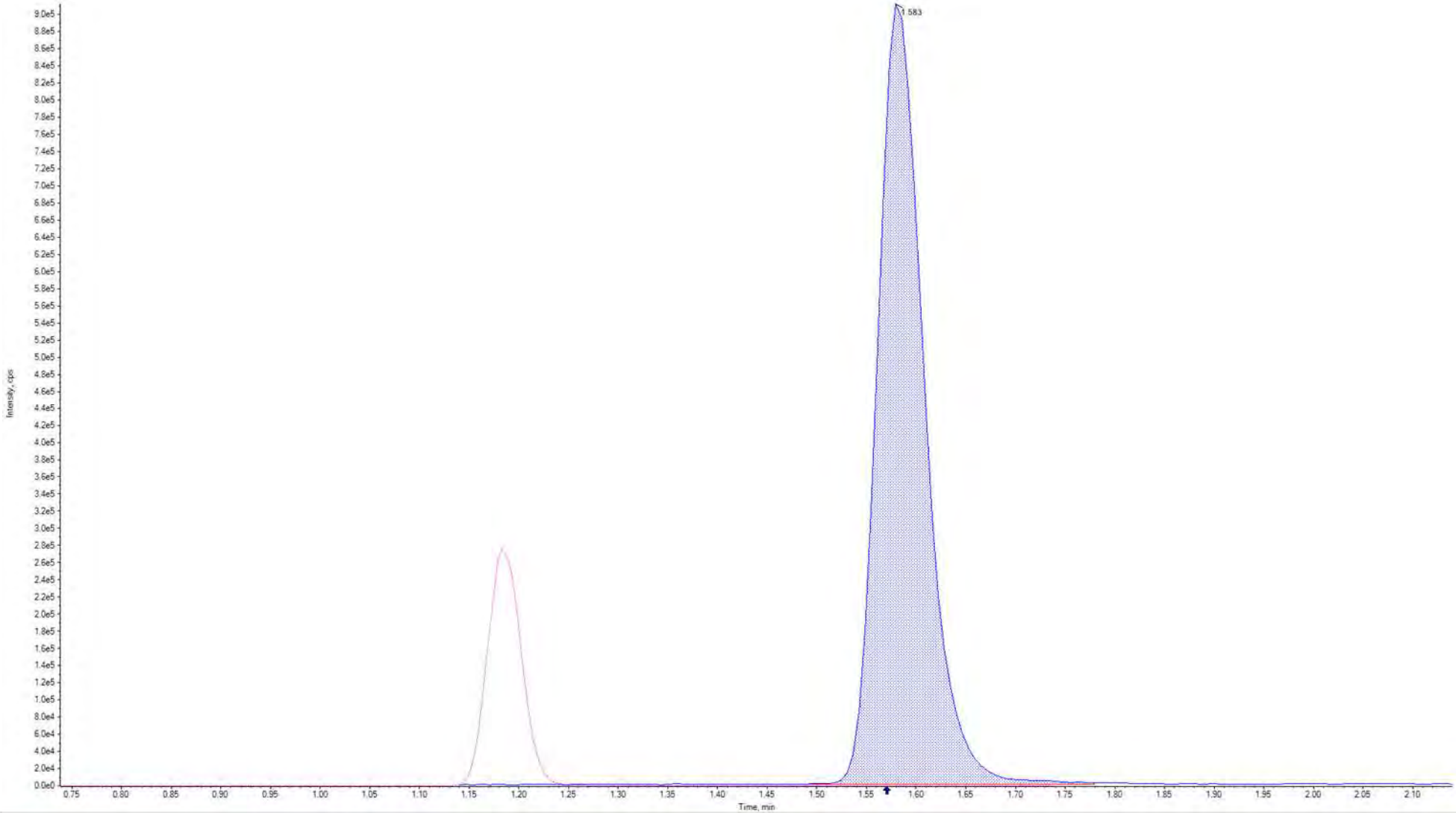
3:3FTCA_2
Sample: IA1633STD-50 S/N:2091.9 Points Across peak:52



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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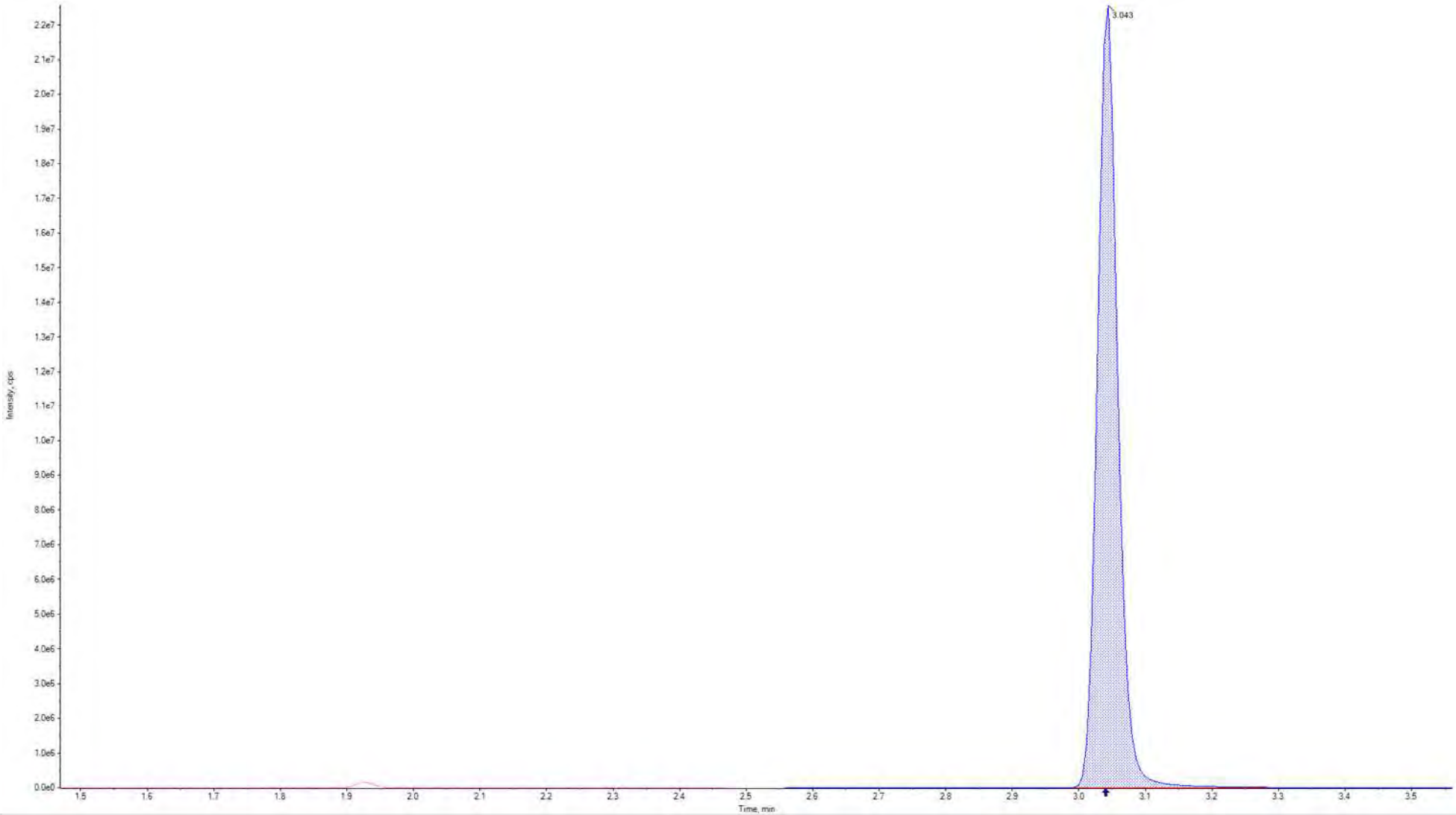
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

5:3FTCA
Sample: IA1633STD-50 S/N:30154.7 Points Across peak:67



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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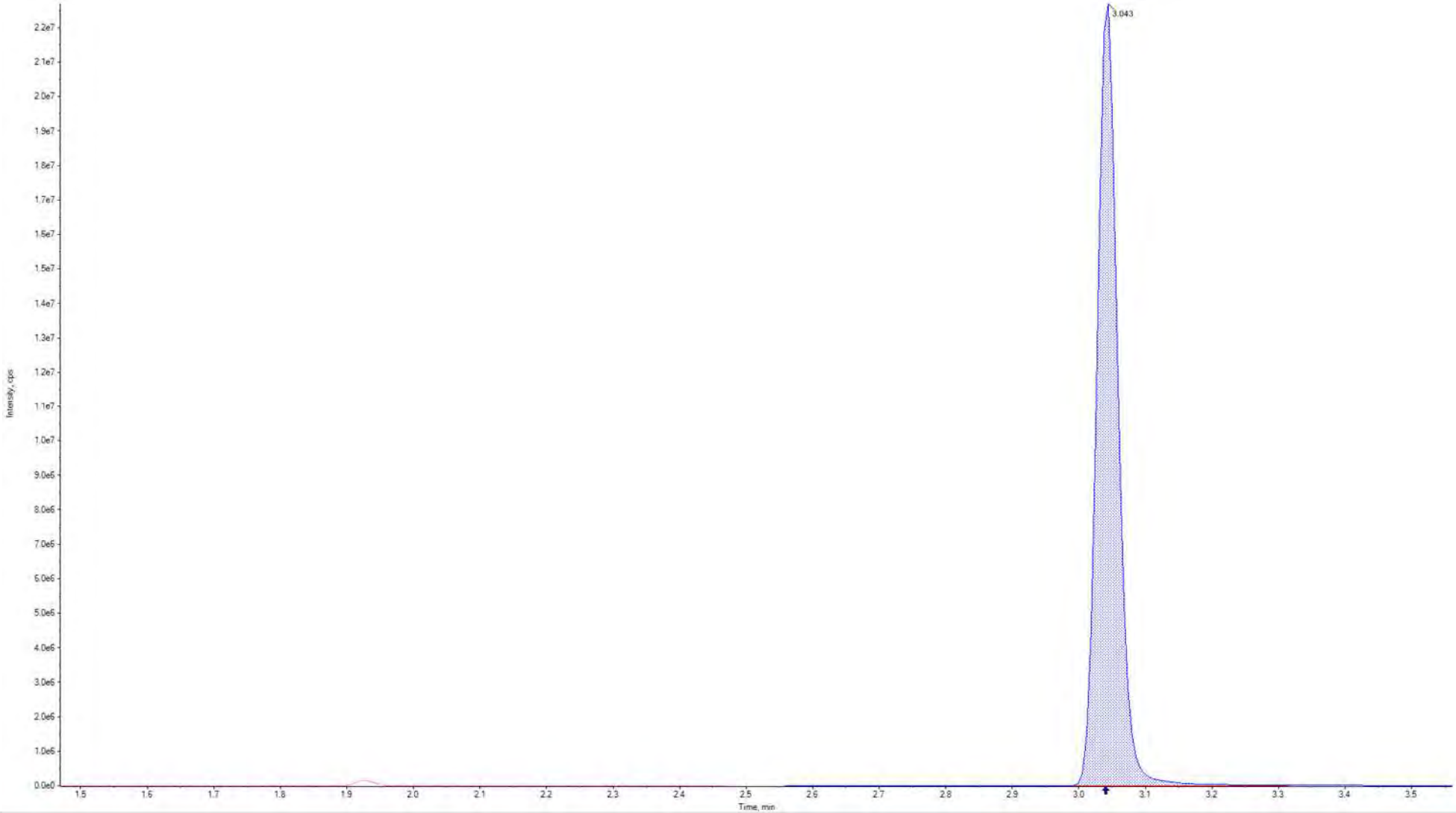
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

5:3FTCA_2
Sample: IA1633STD-50 S/N:21608.5 Points Across peak:60



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 6:51:07 AM
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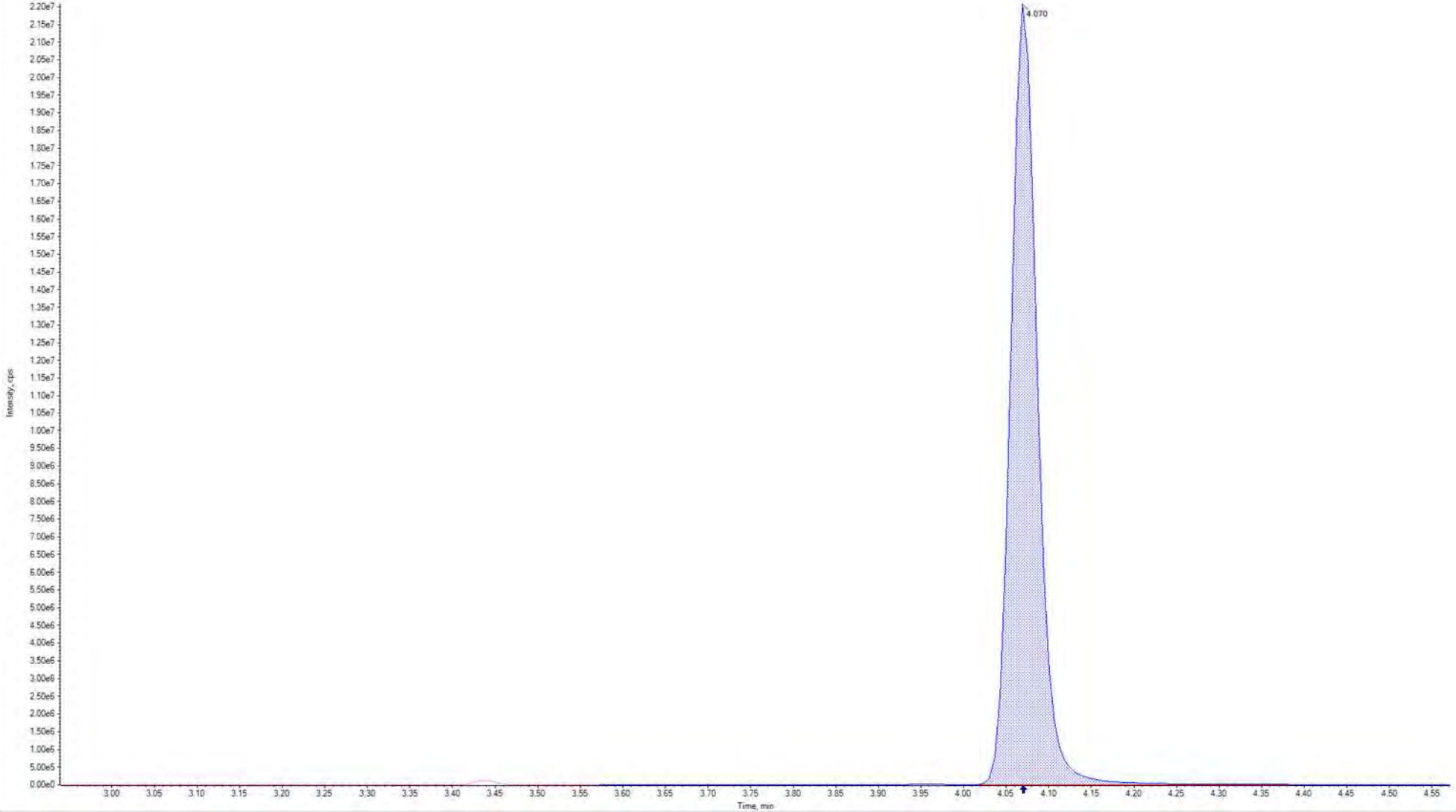
7:3FTCA
Sample: IA1633STD-50 S/N:36509.9 Points Across peak:65



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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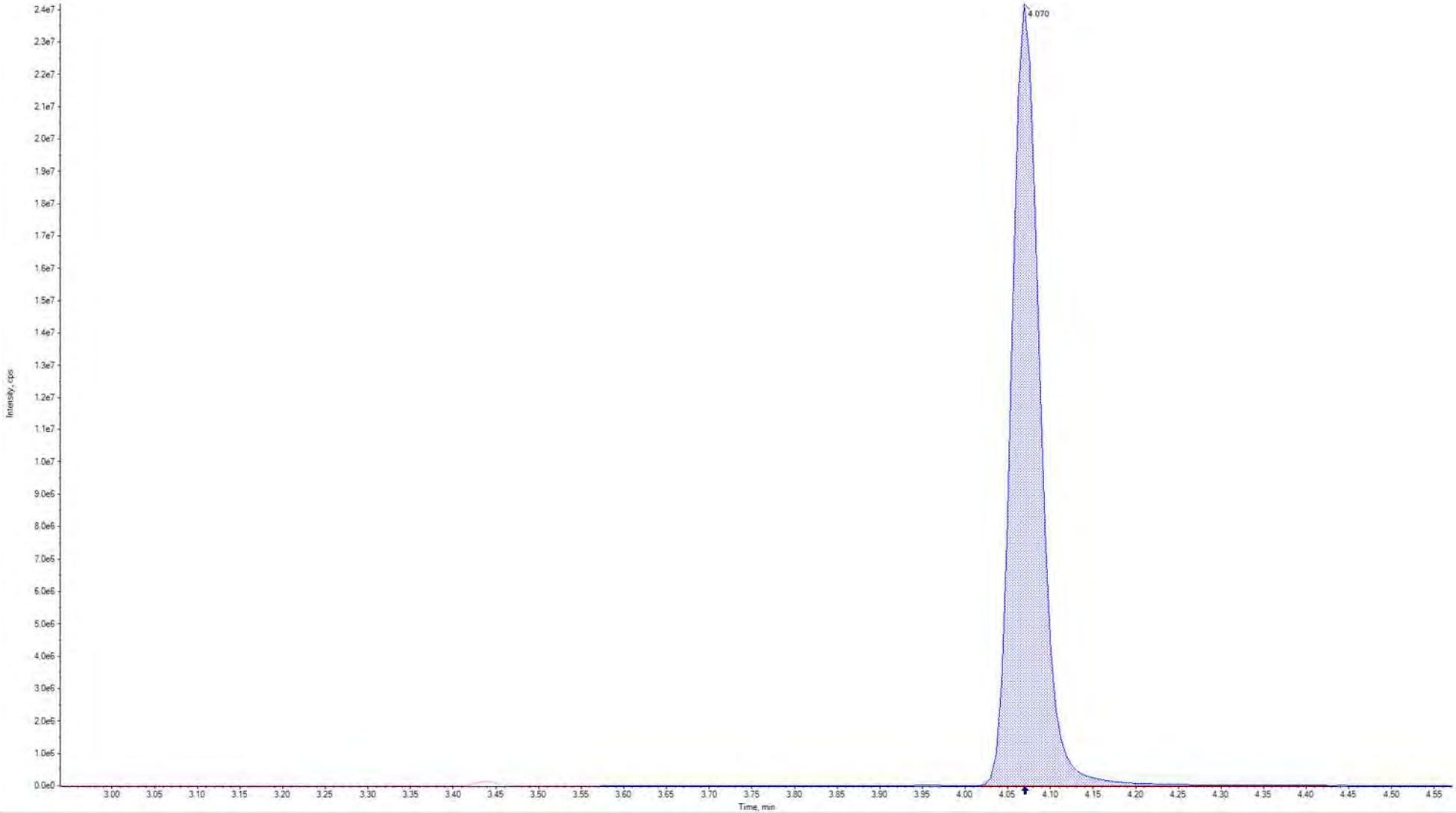
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

7:3FTCA_2
Sample: IA1633STD-50 S/N:38591.4 Points Across peak:68



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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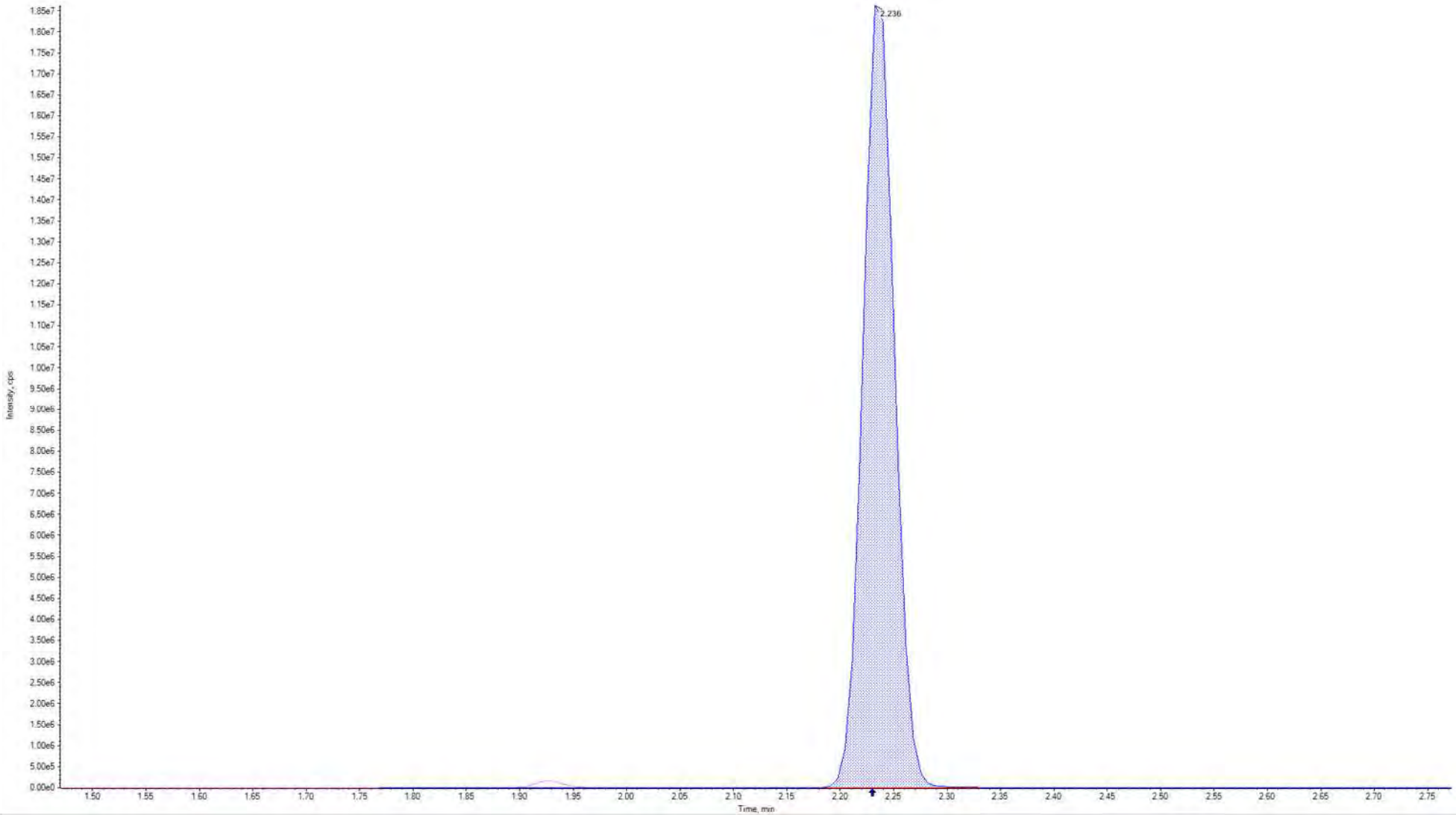
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFEESA
Sample: IA1633STD-50 S/N:420262.4 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 6:51:07 AM
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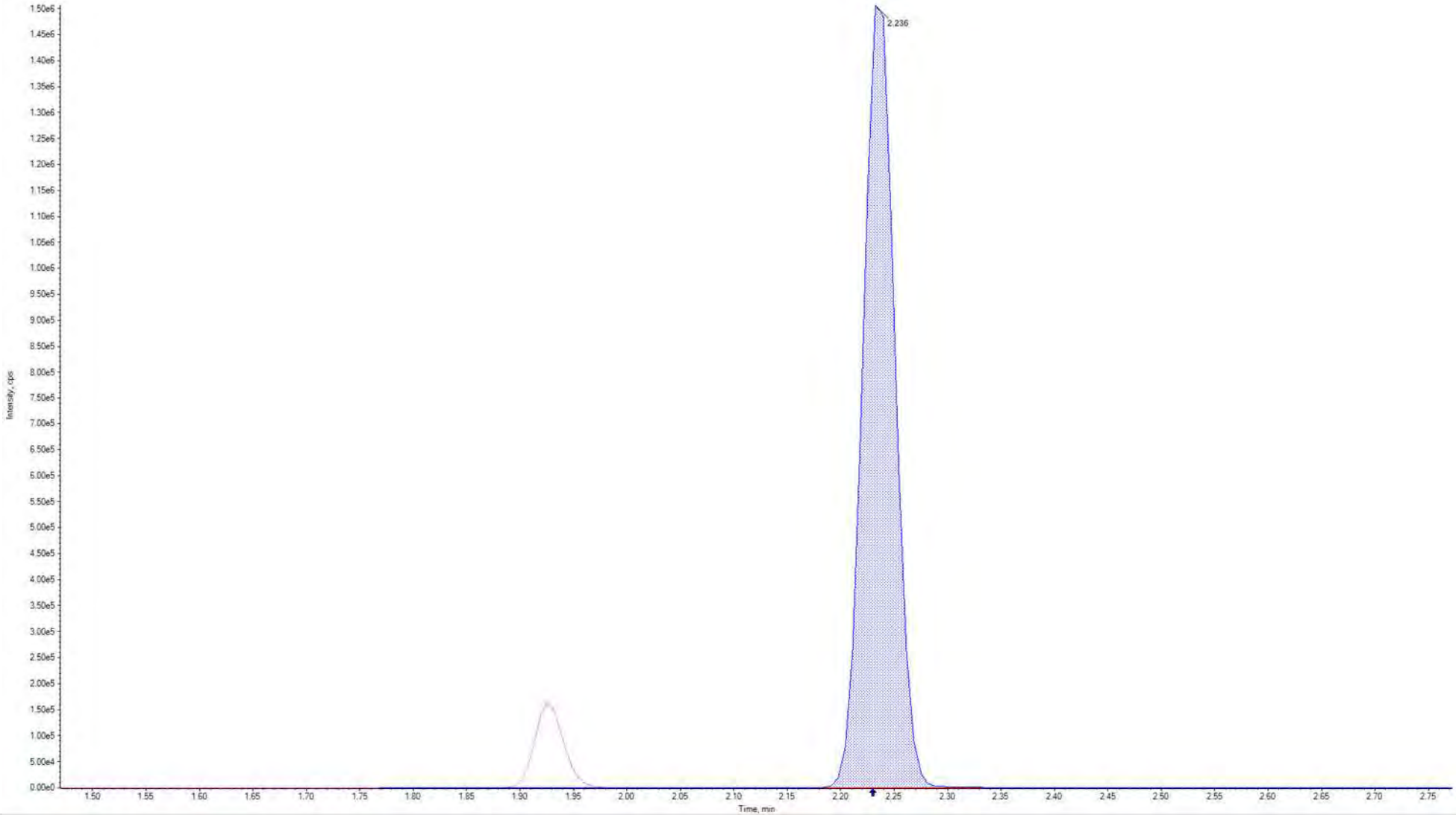
PFEESA_2
Sample: IA1633STD-50 S/N:6748.9 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 6:51:07 AM
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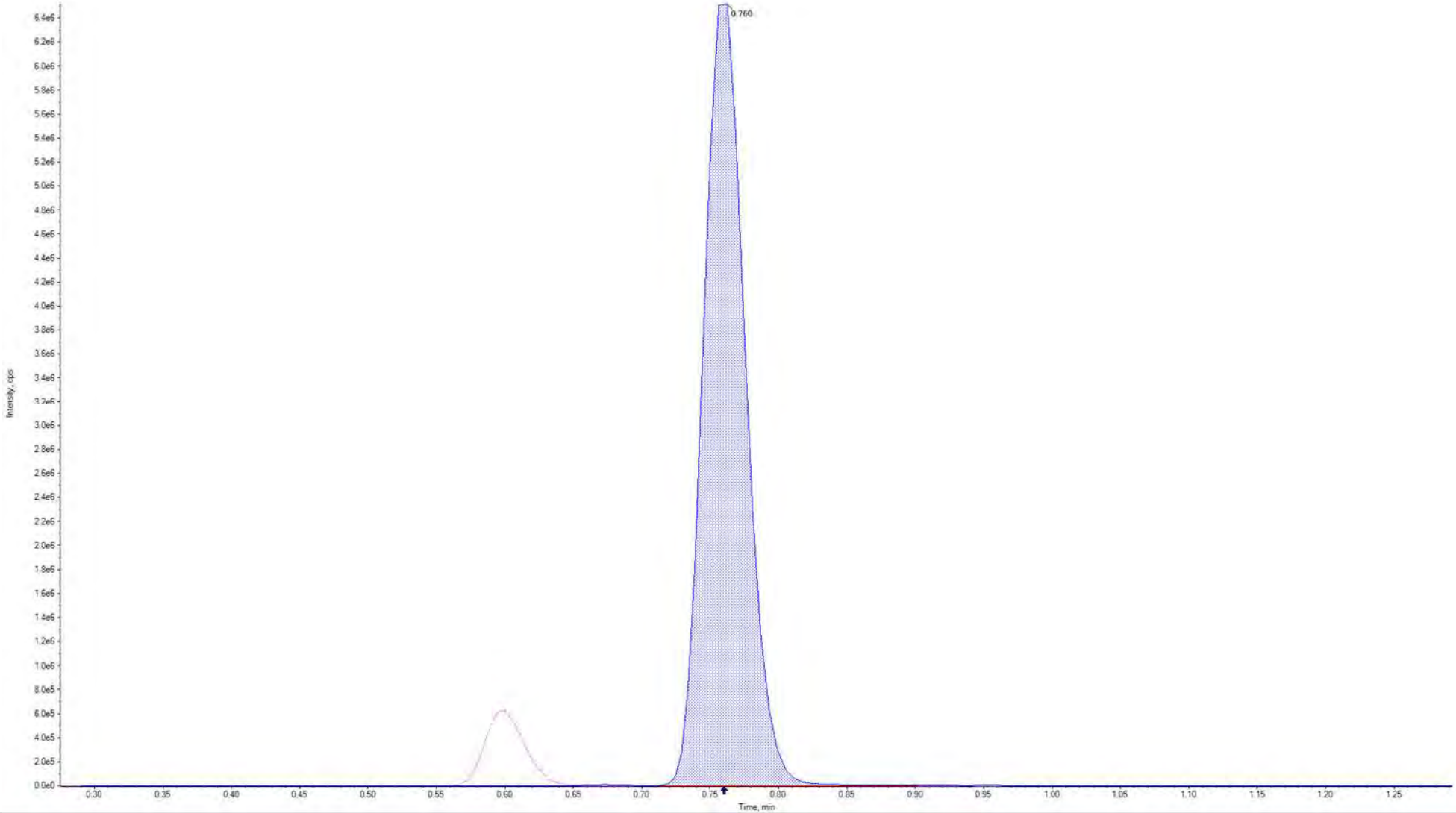
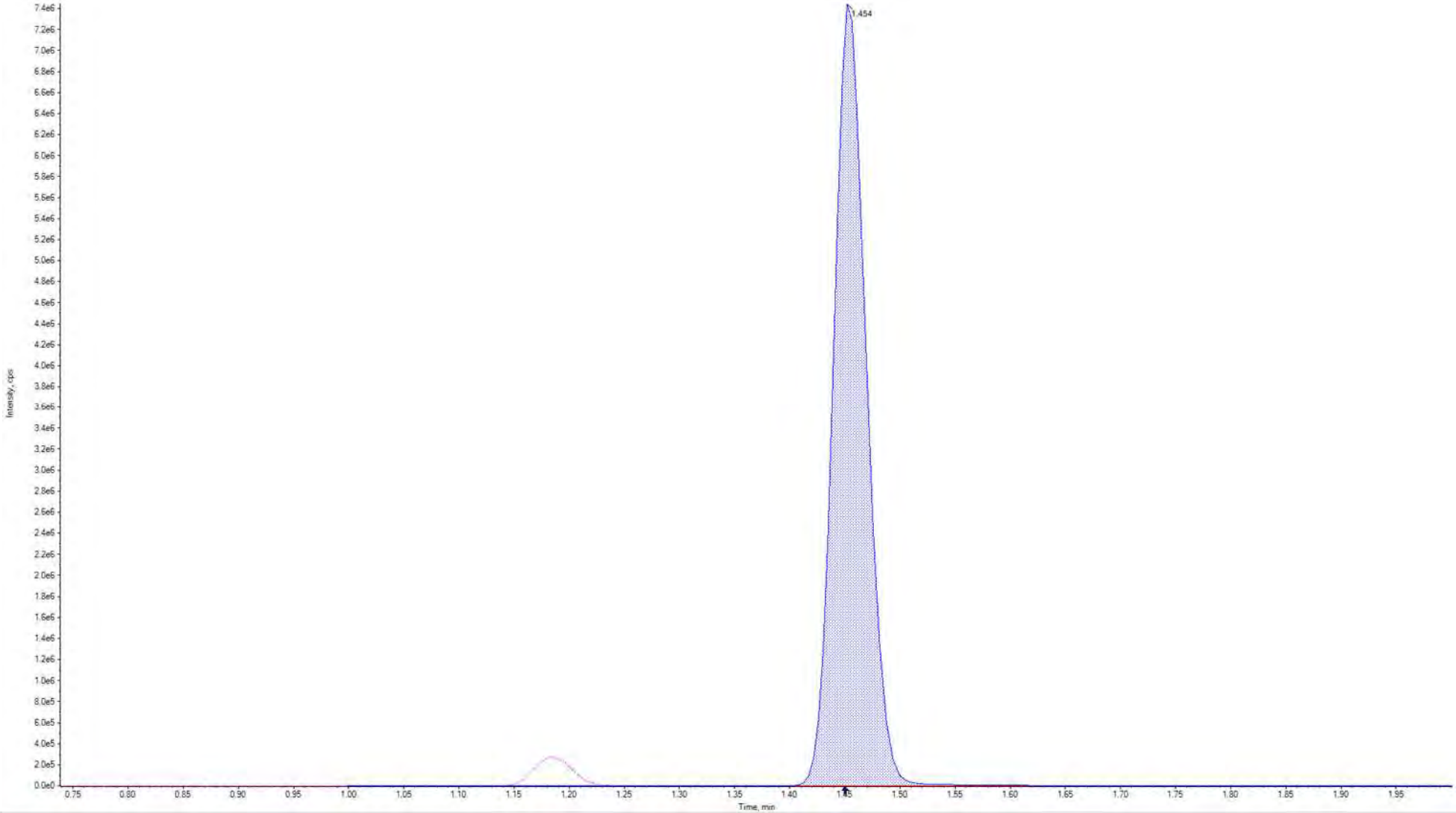
PFMPA
Sample: IA1633STD-50 S/N:26984.3 Points Across peak:36



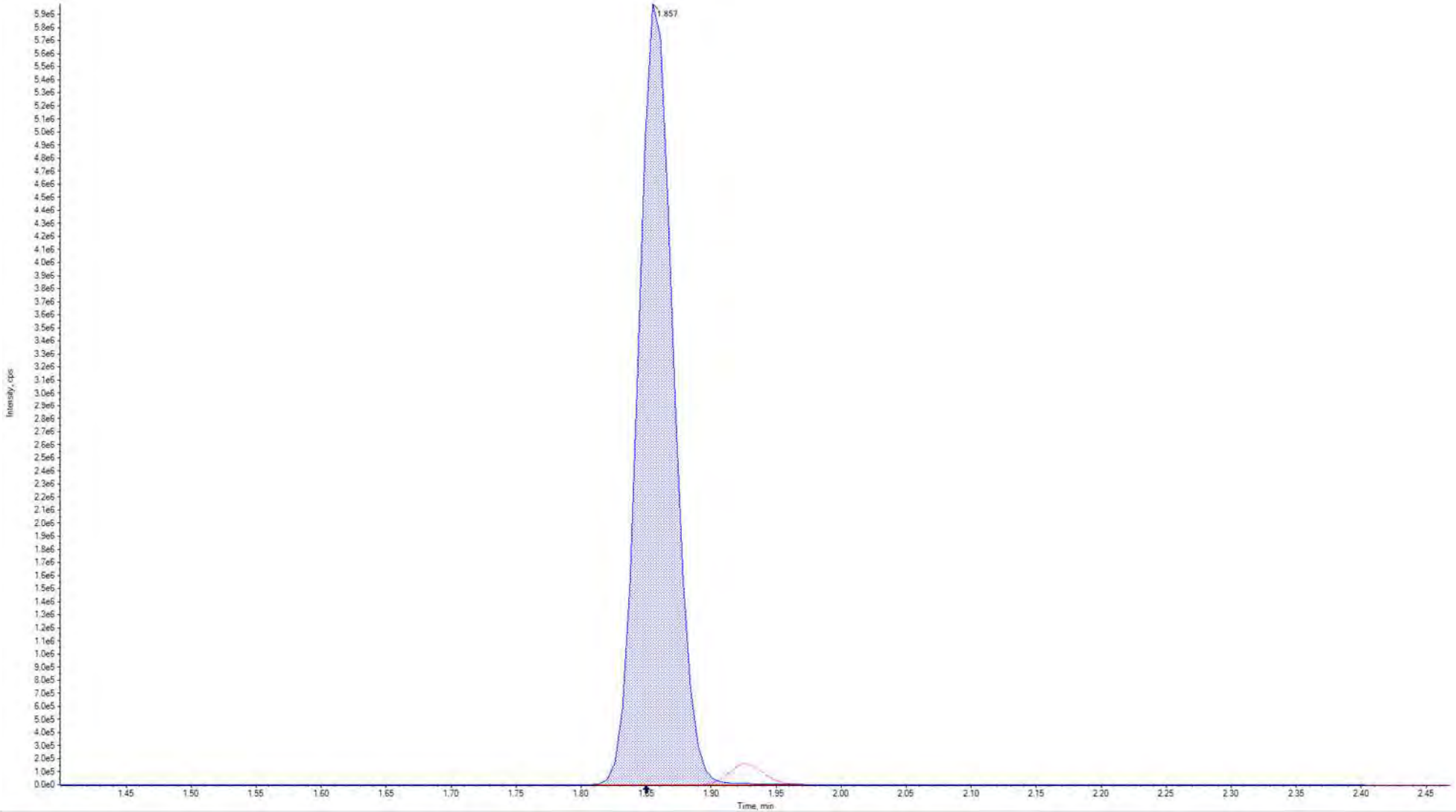
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_29.wiff2_8
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFMBA
Sample: IA1633STD-50 S/N:47522.7 Points Across peak:55



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_29.wiff2_8
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NFDHA
Sample: IA1633STD-50 S/N:164883.5 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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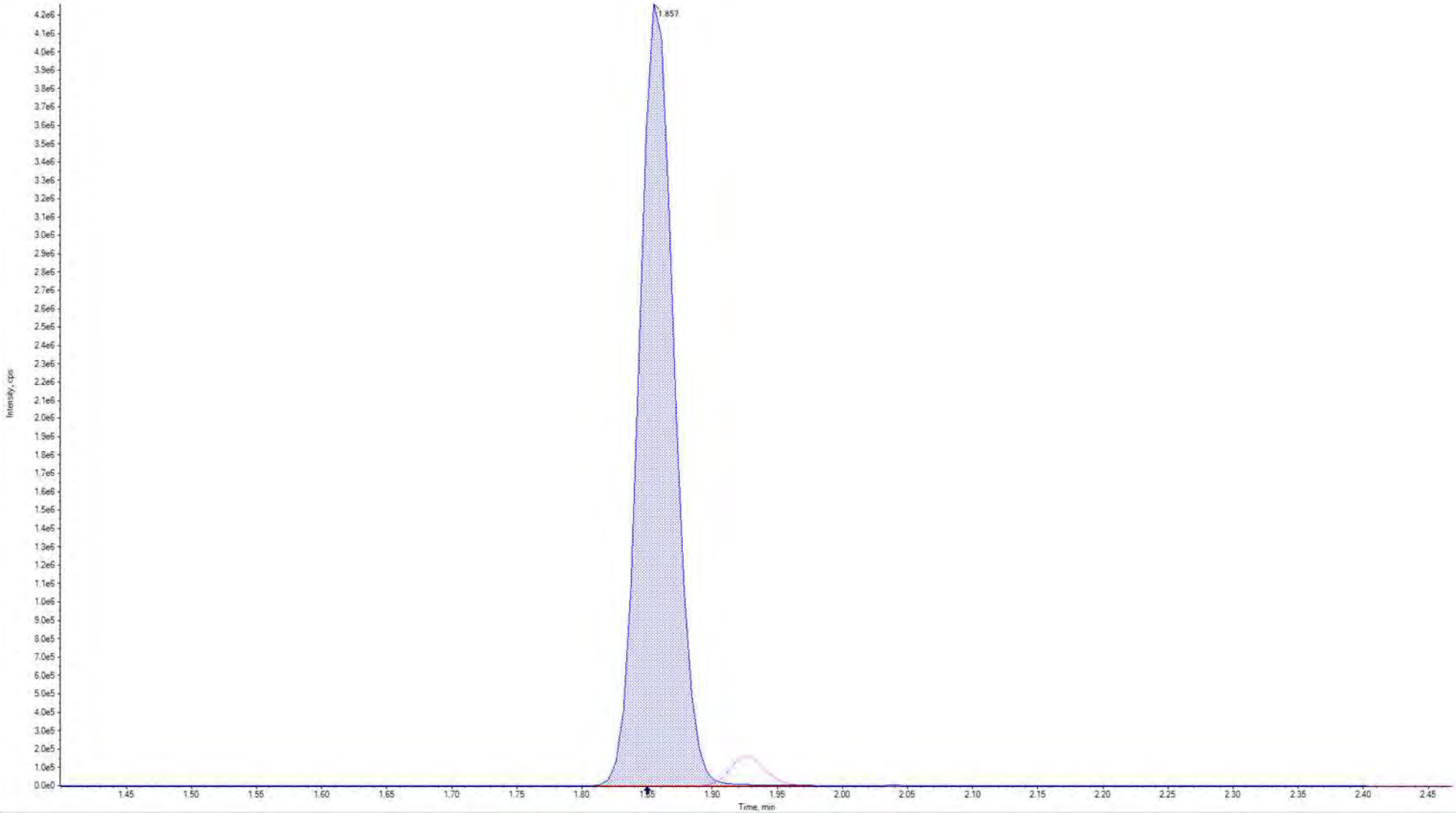
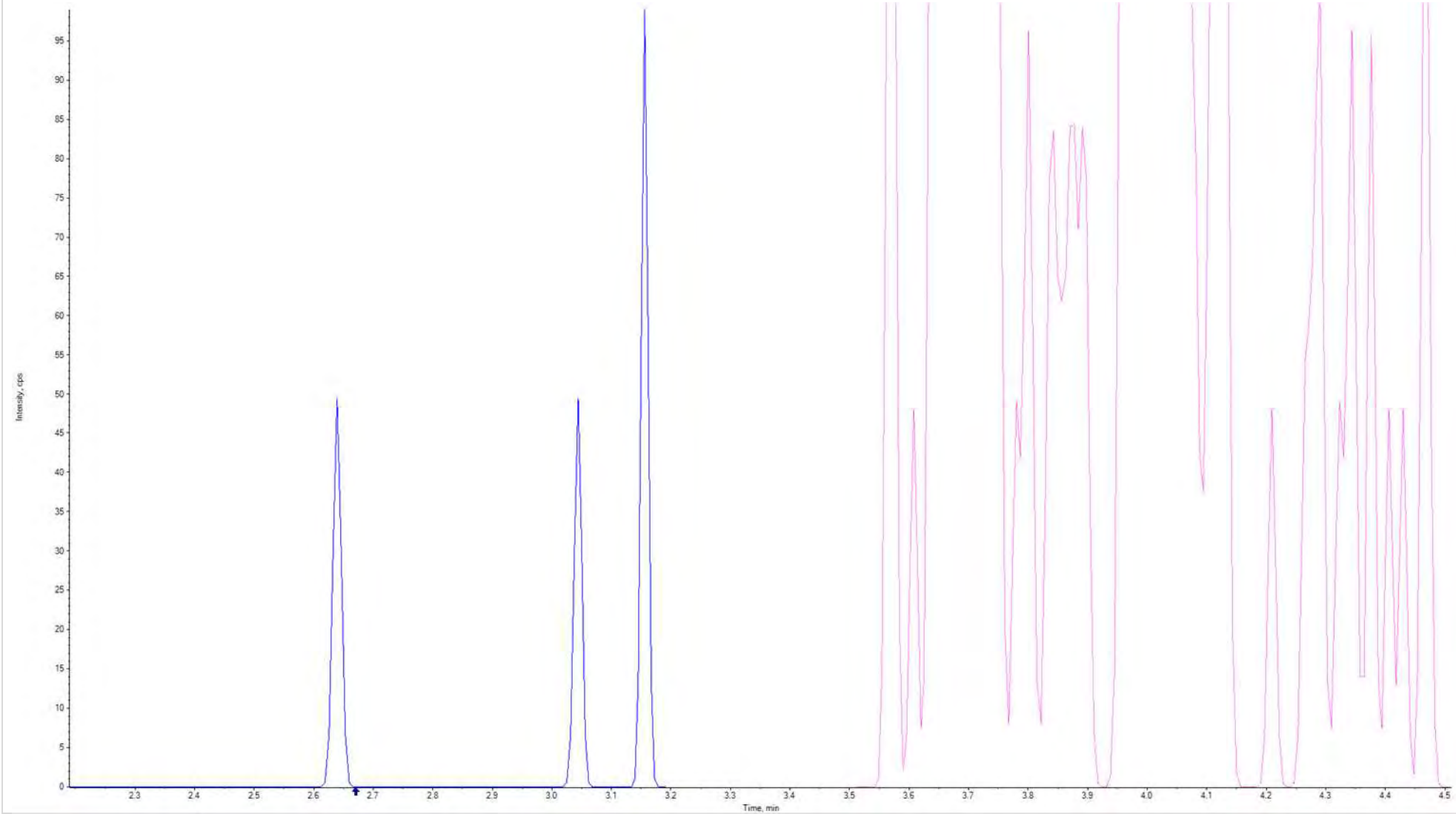
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NFDHA_2
Sample: IA1633STD-50 S/N:117491.9 Points Across peak:38



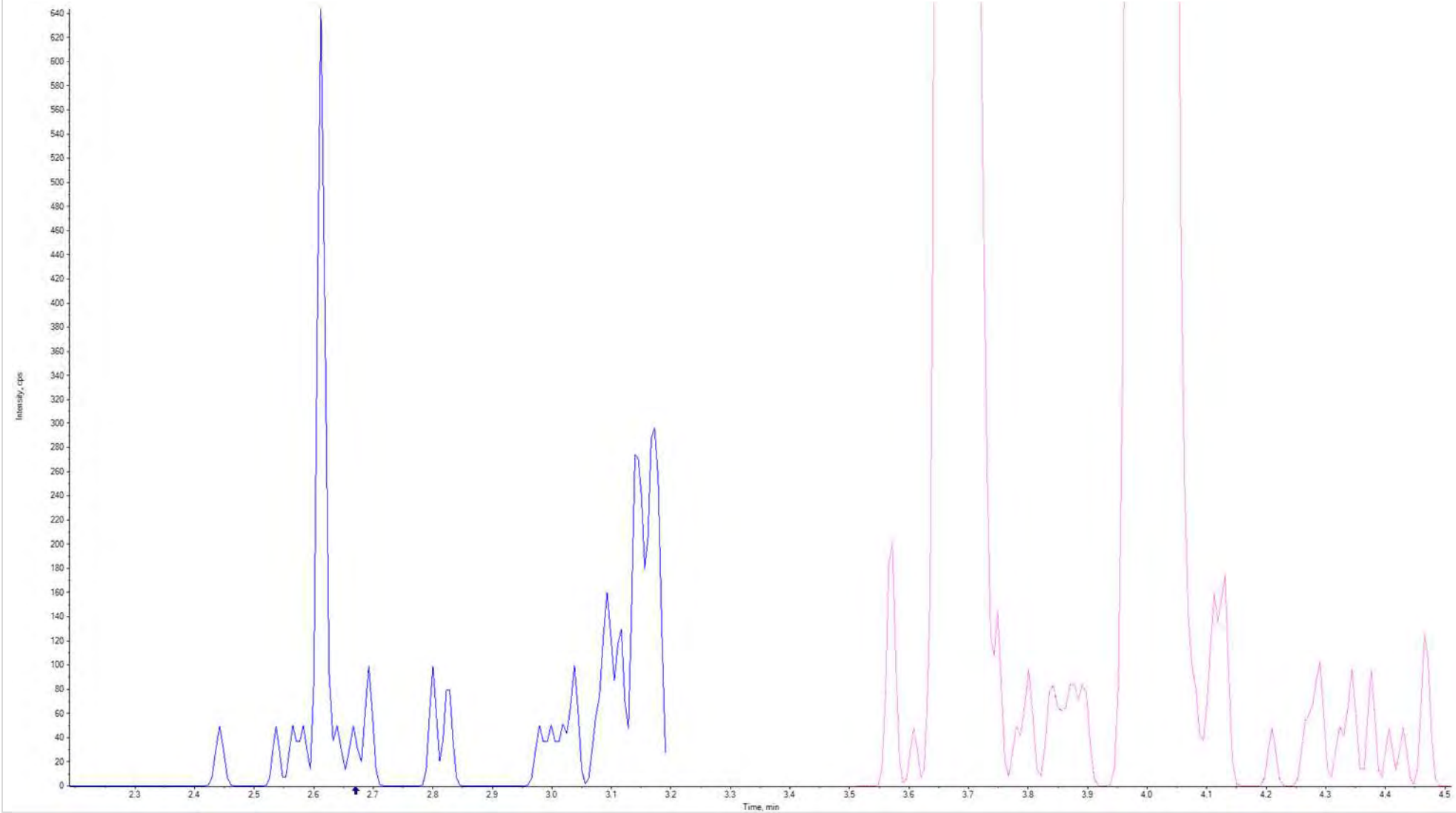
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_29.wiff2_8
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

TDCA
Sample: IA1633STD-50 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_29.wiff2_8
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

TDCA_2
Sample: IA1633STD-50 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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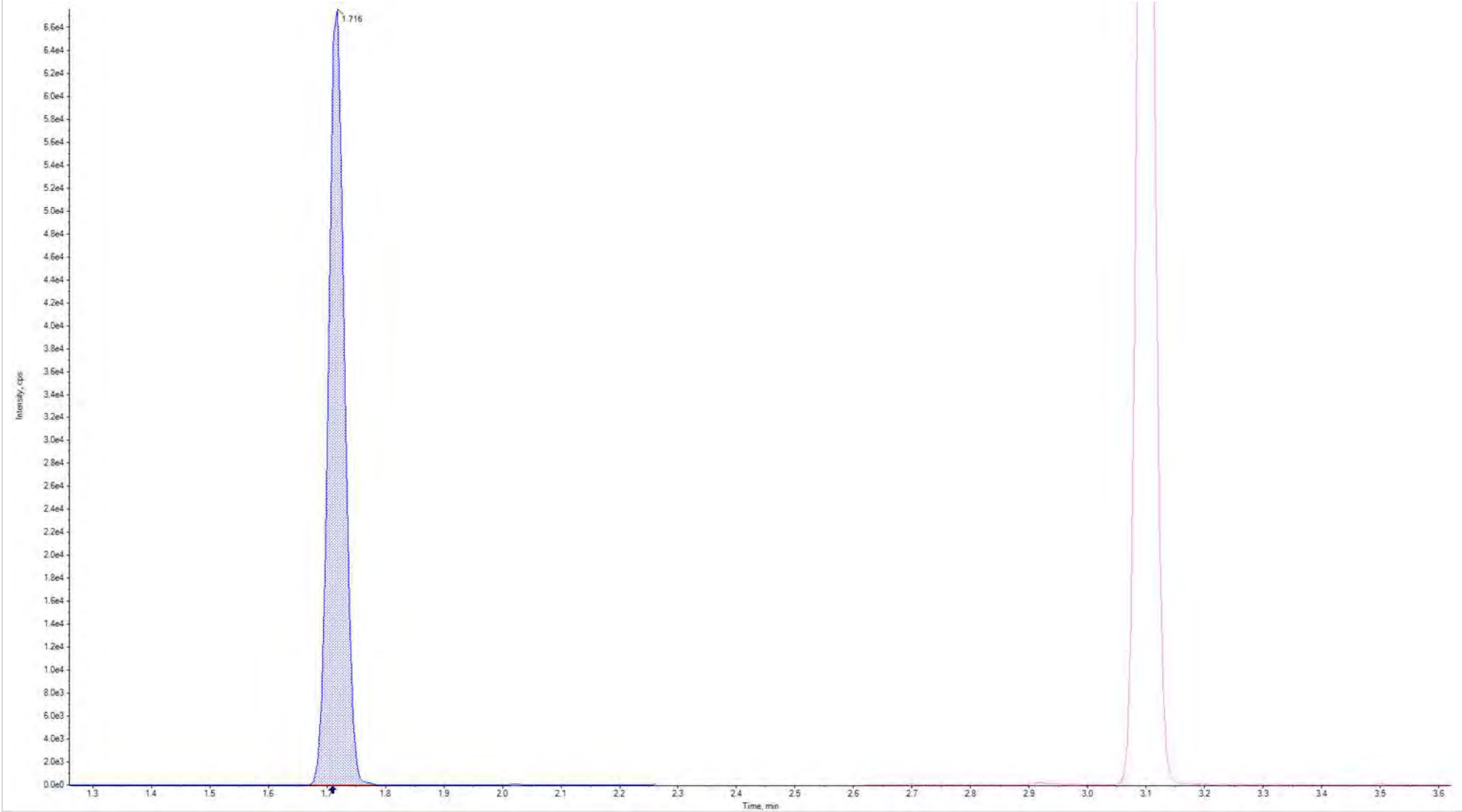
13C2D4-4:2FTS
Sample: IA1633STD-50 S/N:2541.0 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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Last Altered: 3/4/2025 6:51:07 AM
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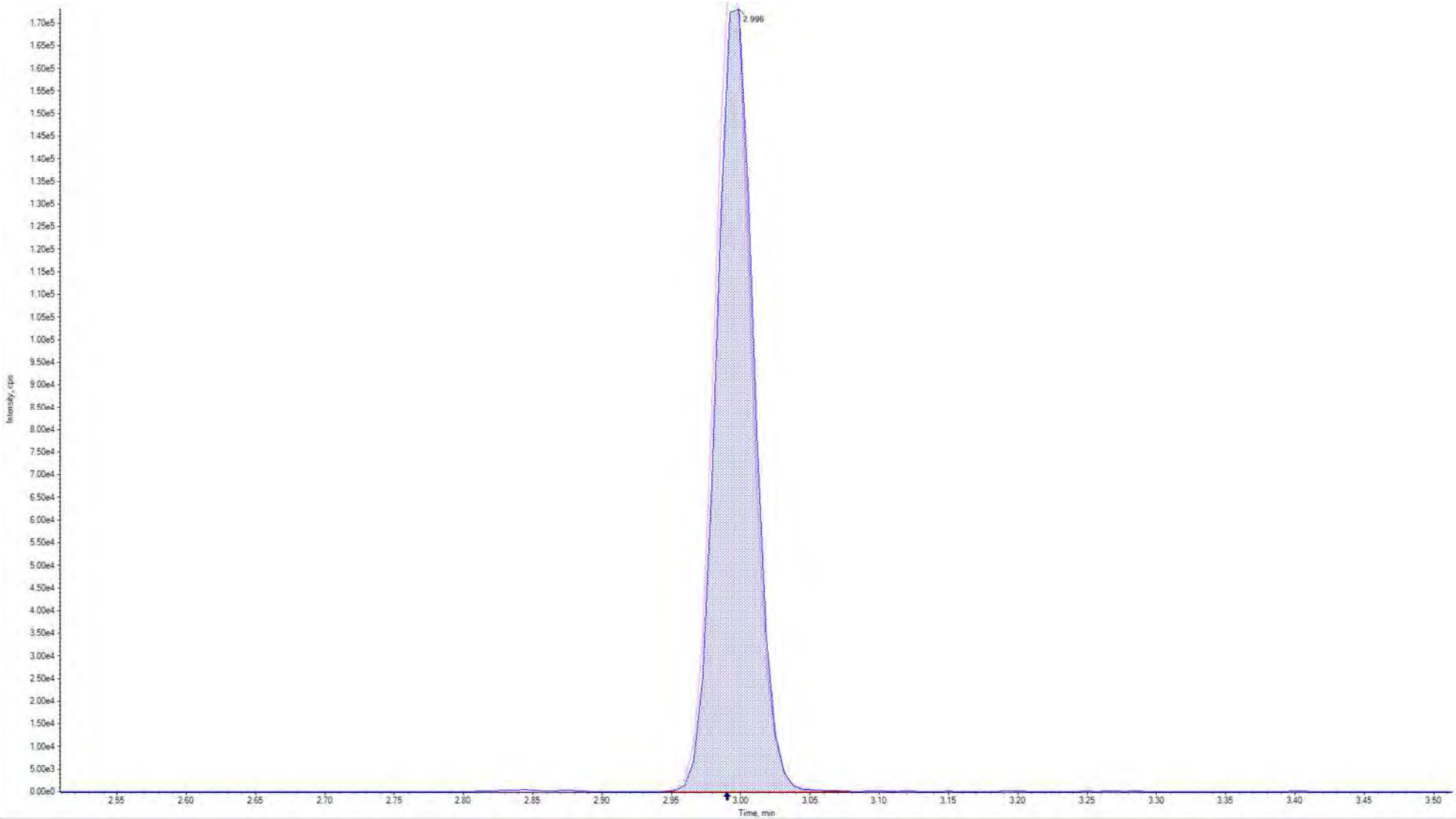
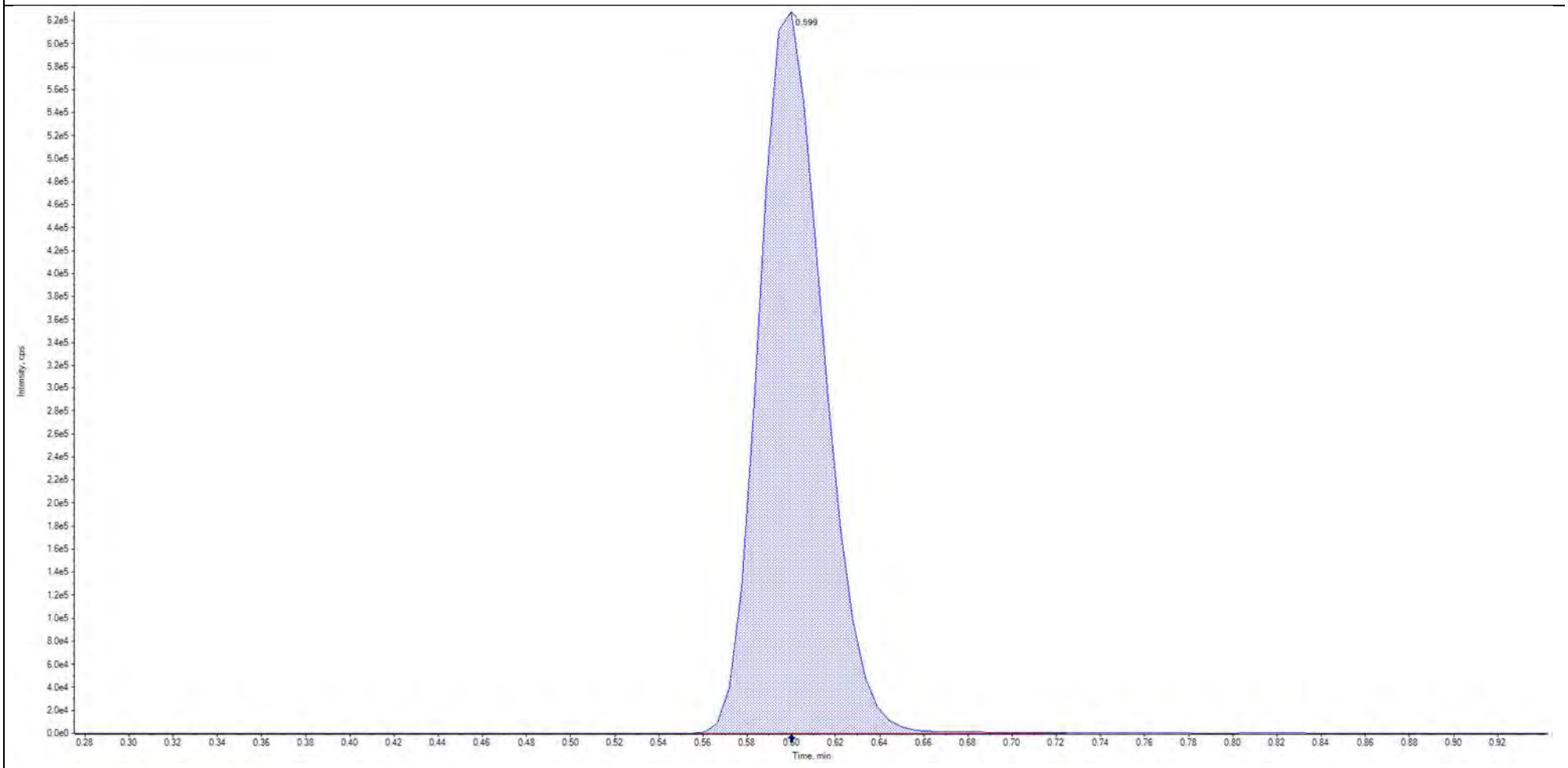
13C2-PFOA
Sample: IA1633STD-50 S/N:3757.1 Points Across peak:27



13C4-PFBA
Sample: IA1633STD-50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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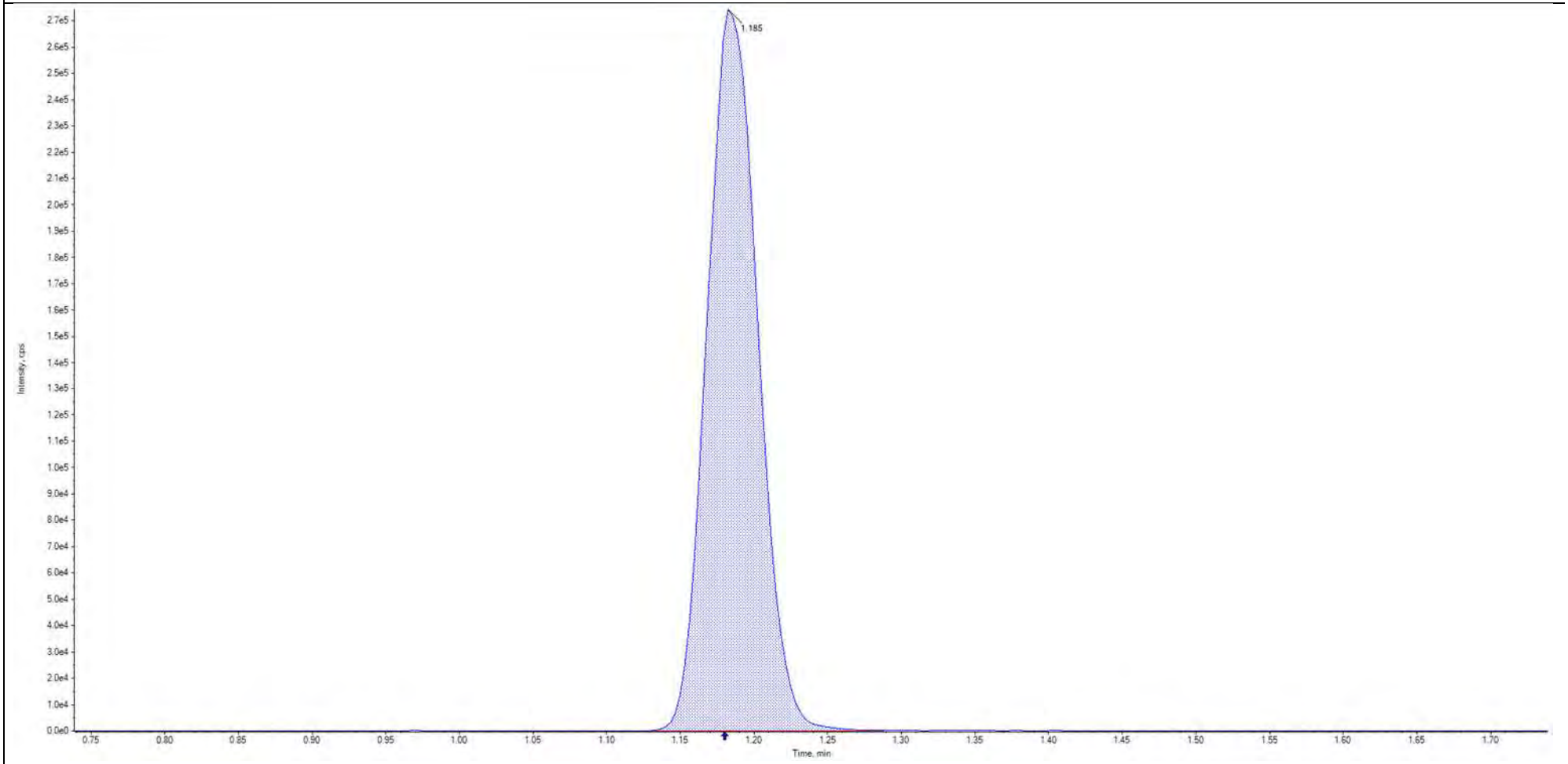
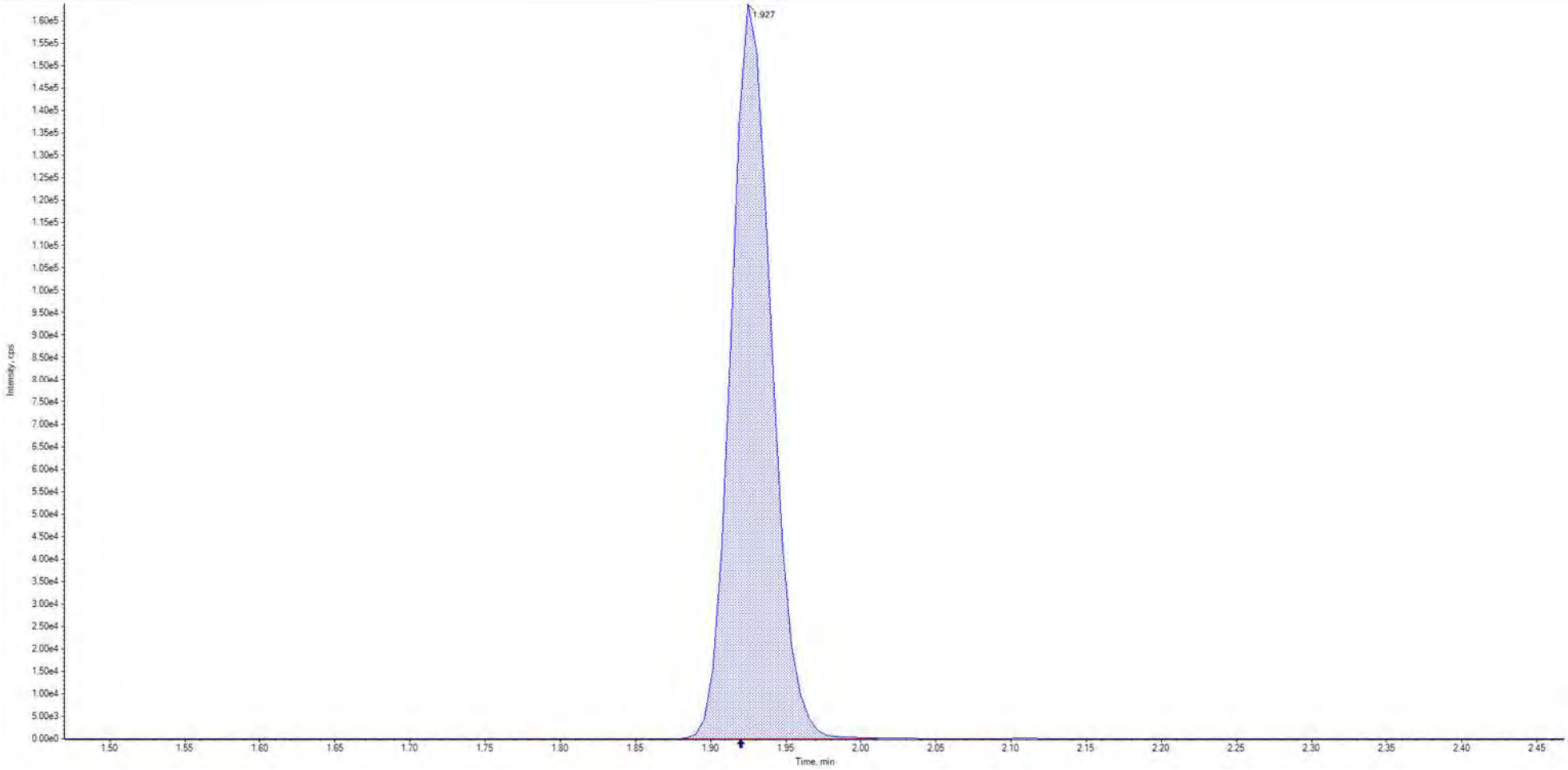
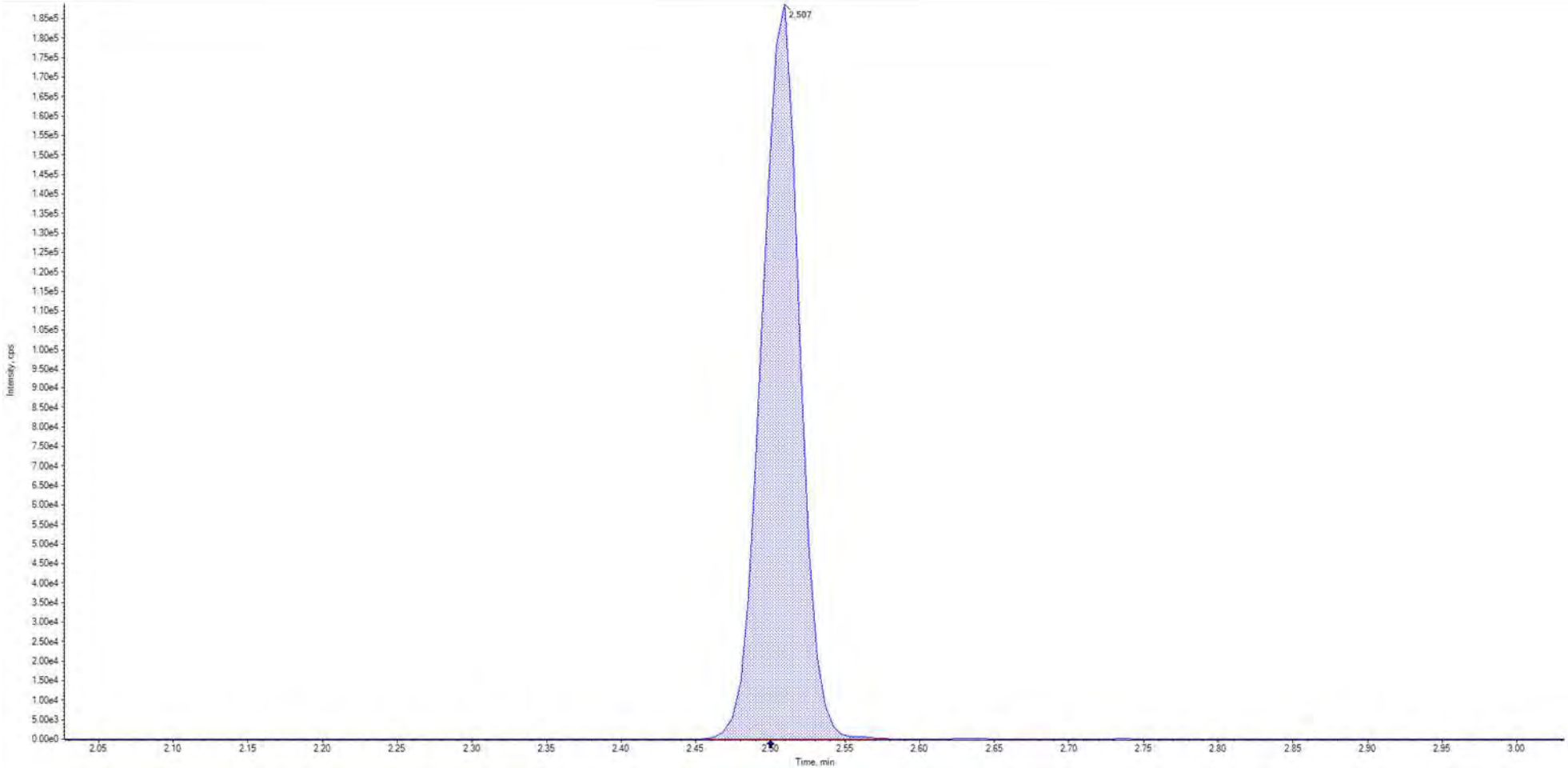
13C5-PFPeA
Sample: IA1633STD-50



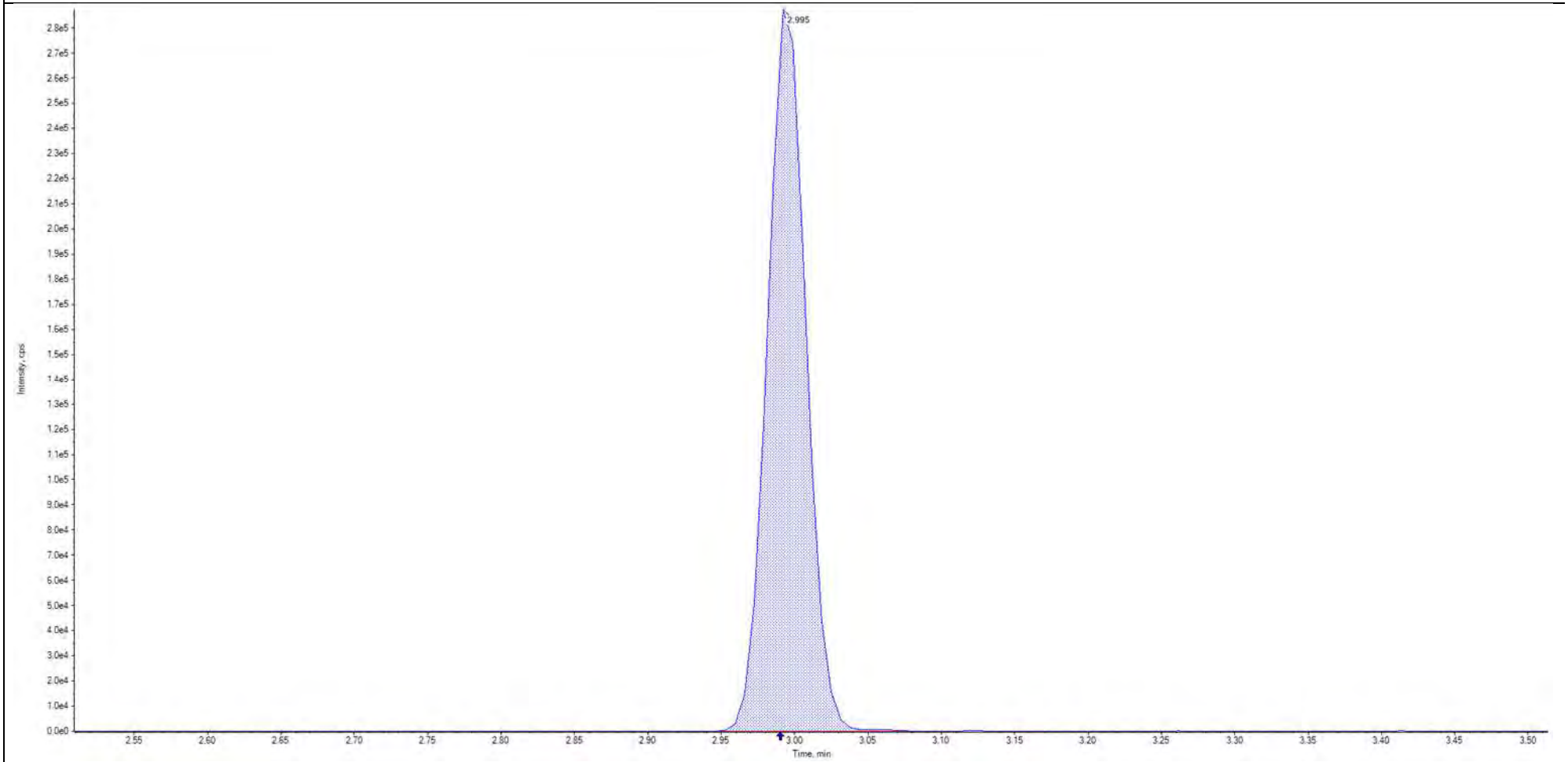
13C5-PFHxA
Sample: IA1633STD-50



13C4-PFHpA
Sample: IA1633STD-50



13C8-PFOA
Sample: IA1633STD-50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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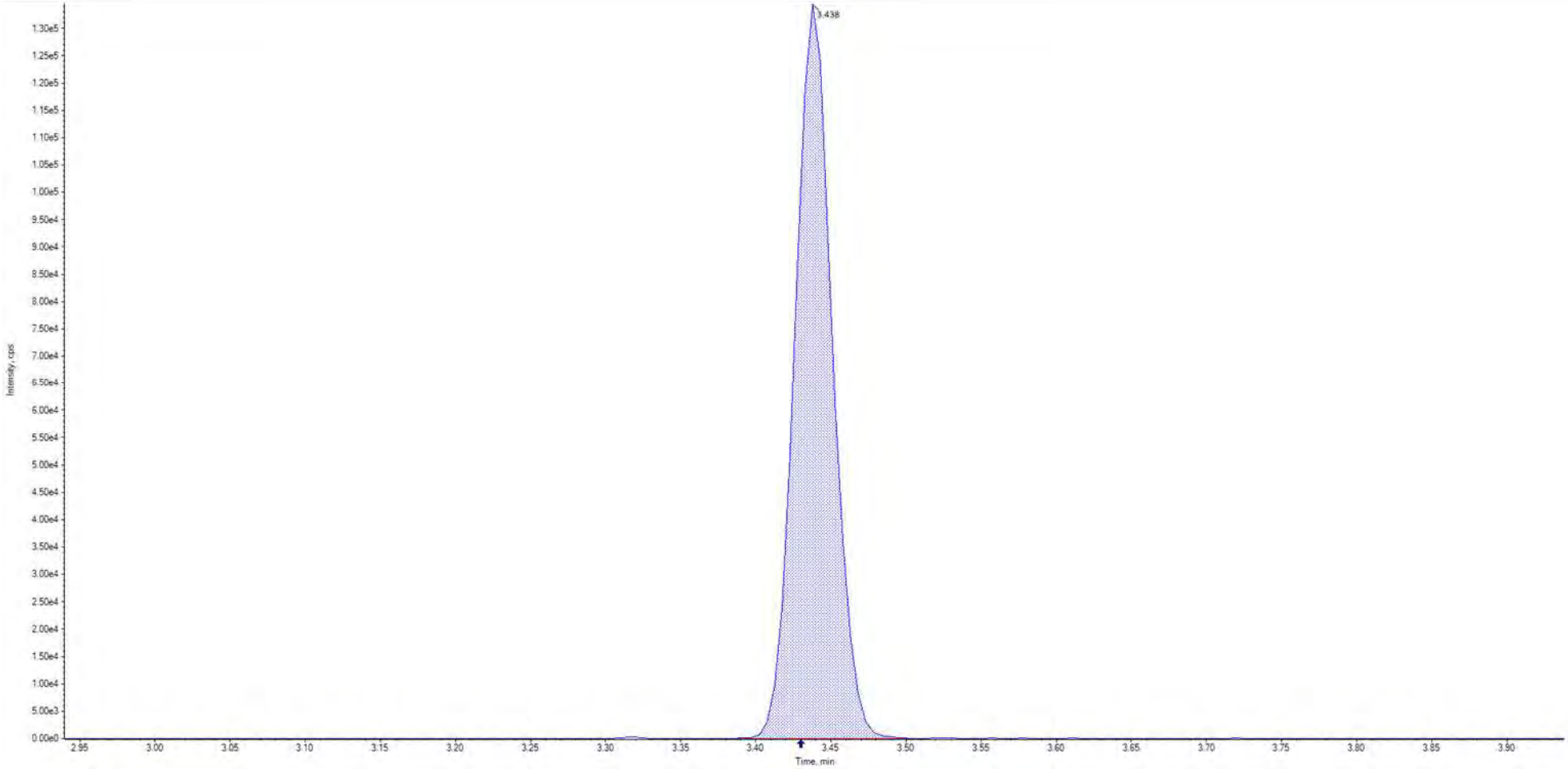
13C9-PFNA
Sample: IA1633STD-50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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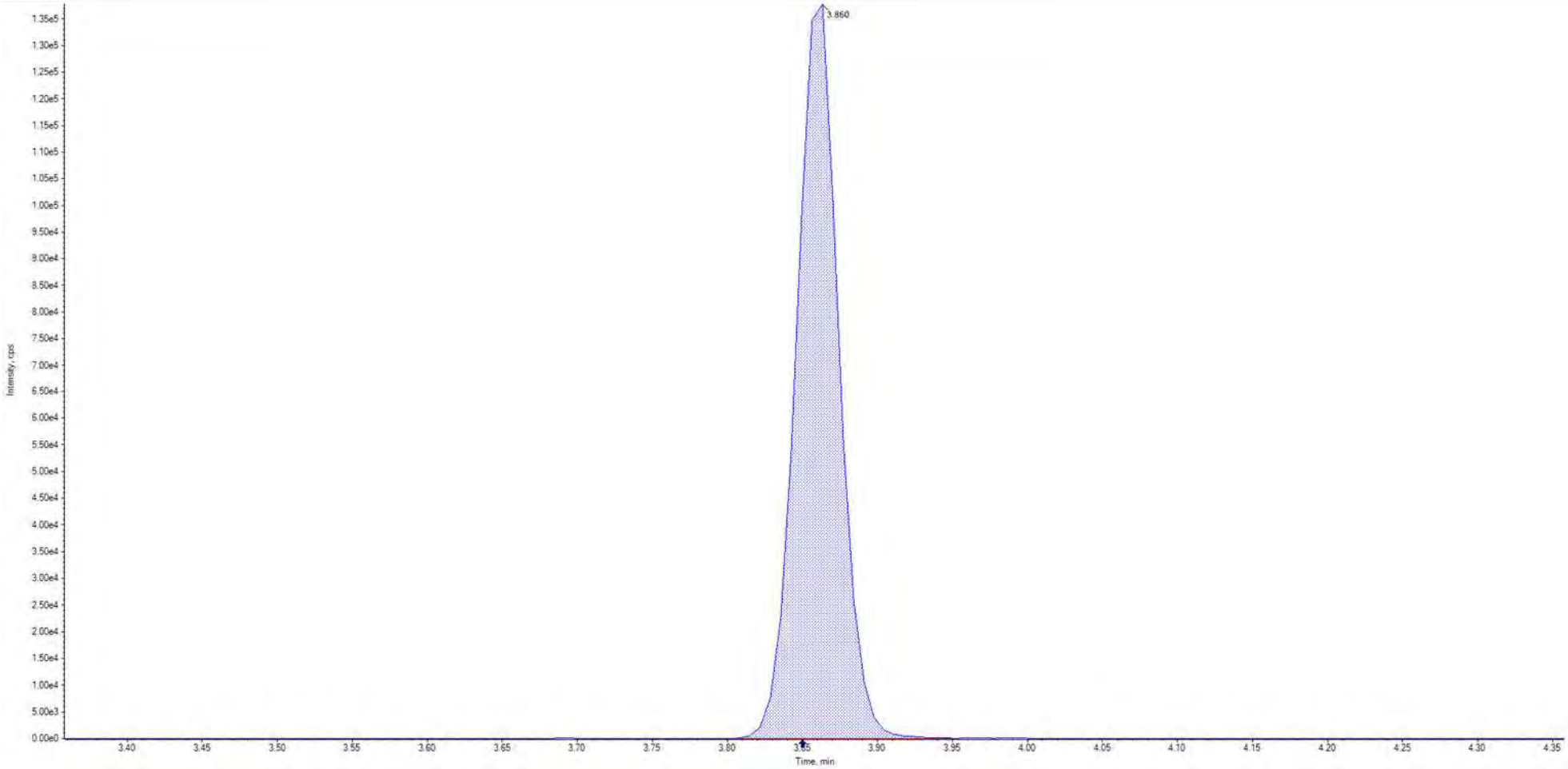
13C6-PFDA
Sample: IA1633STD-50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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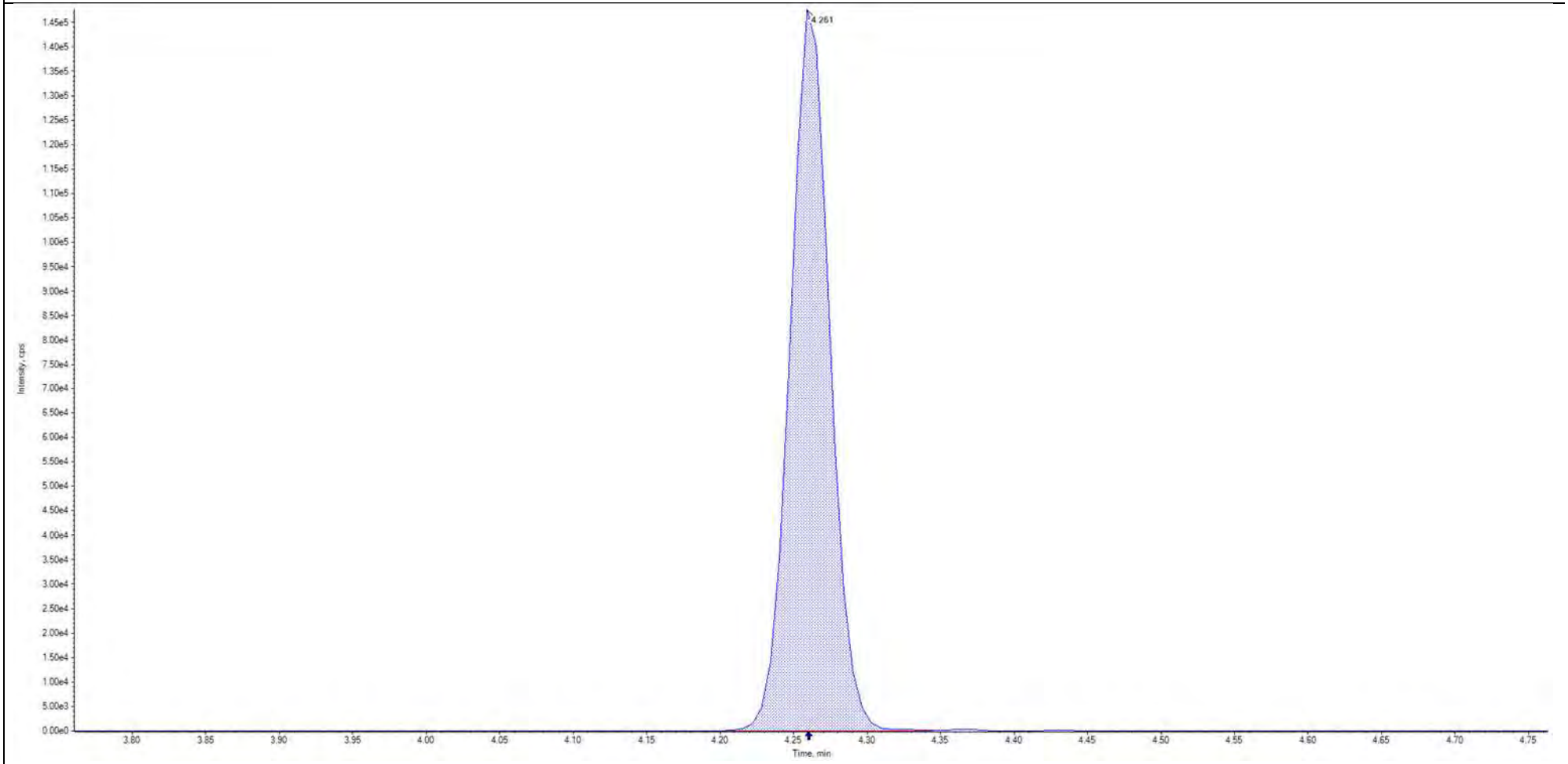
13C7-PFUnA
Sample: IA1633STD-50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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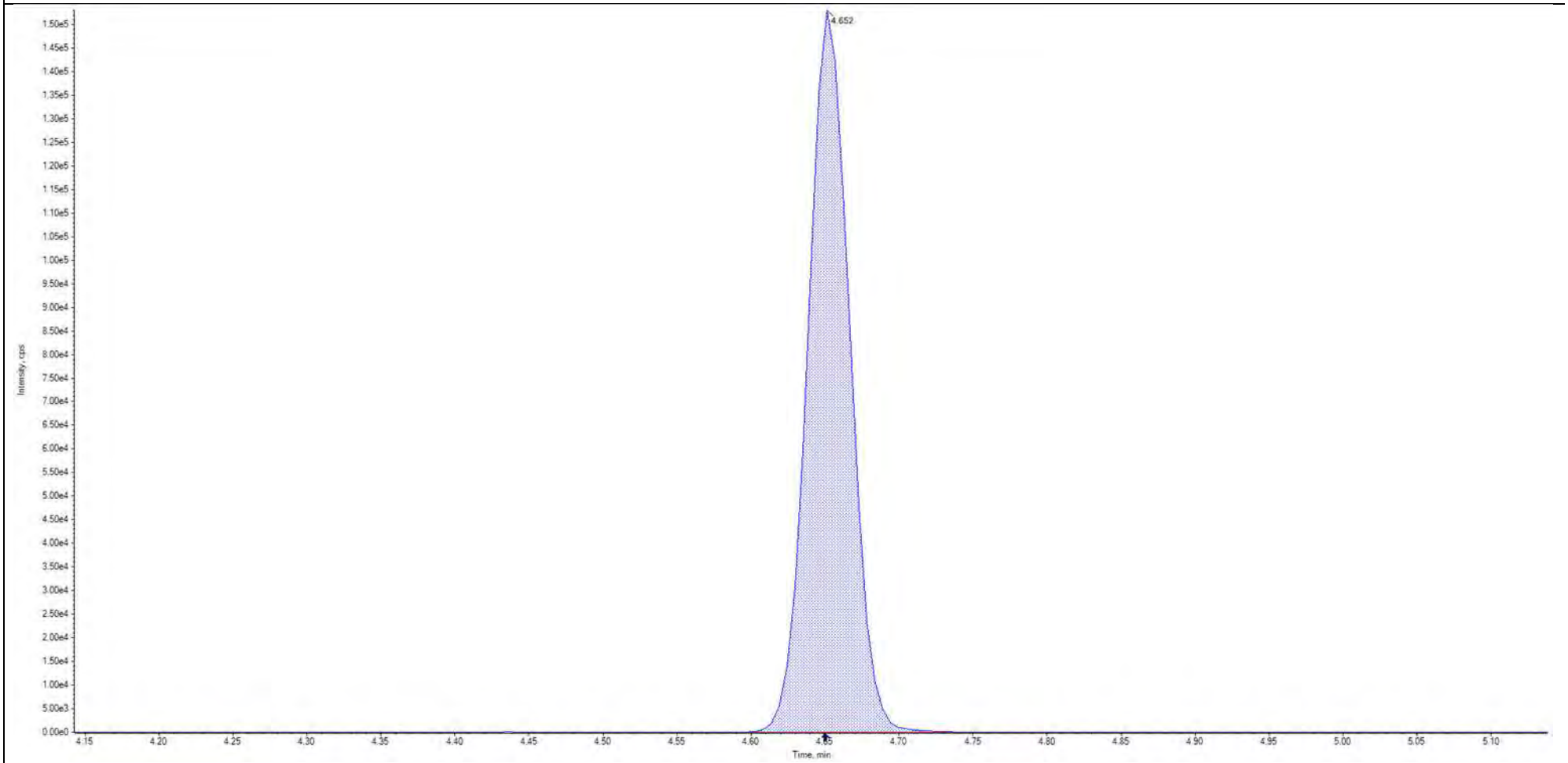
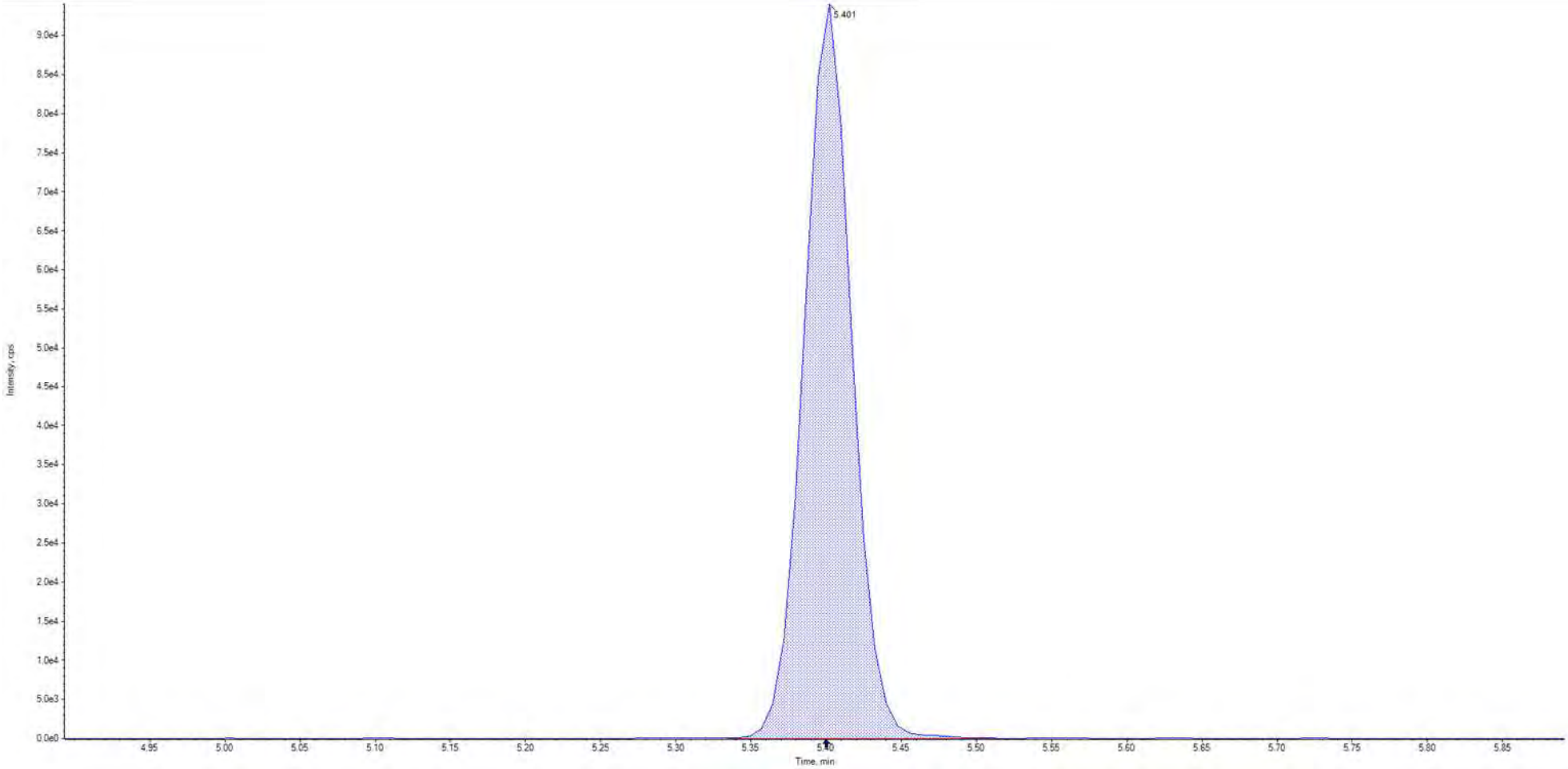
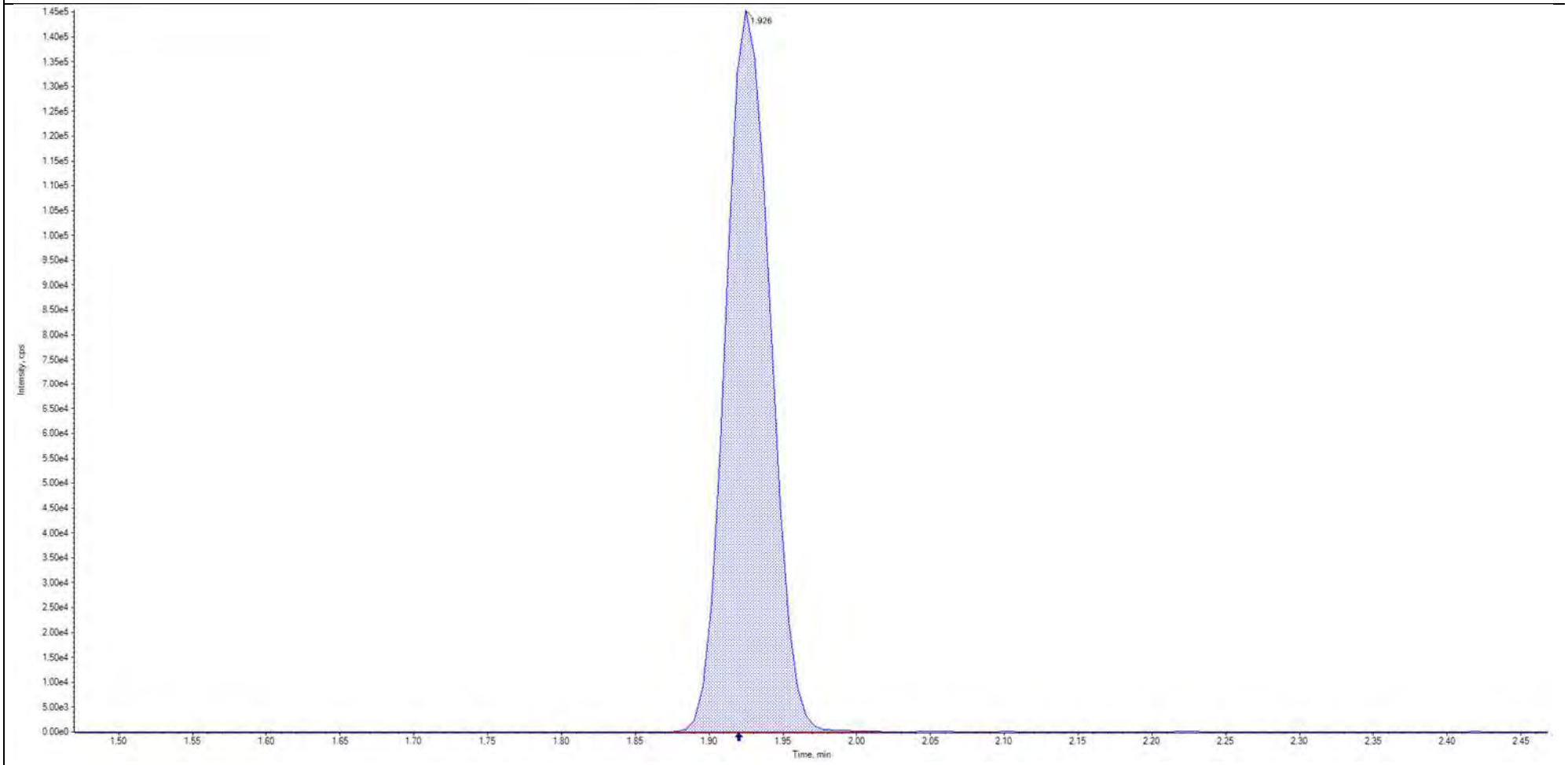
13C2-PFDoA
Sample: IA1633STD-50



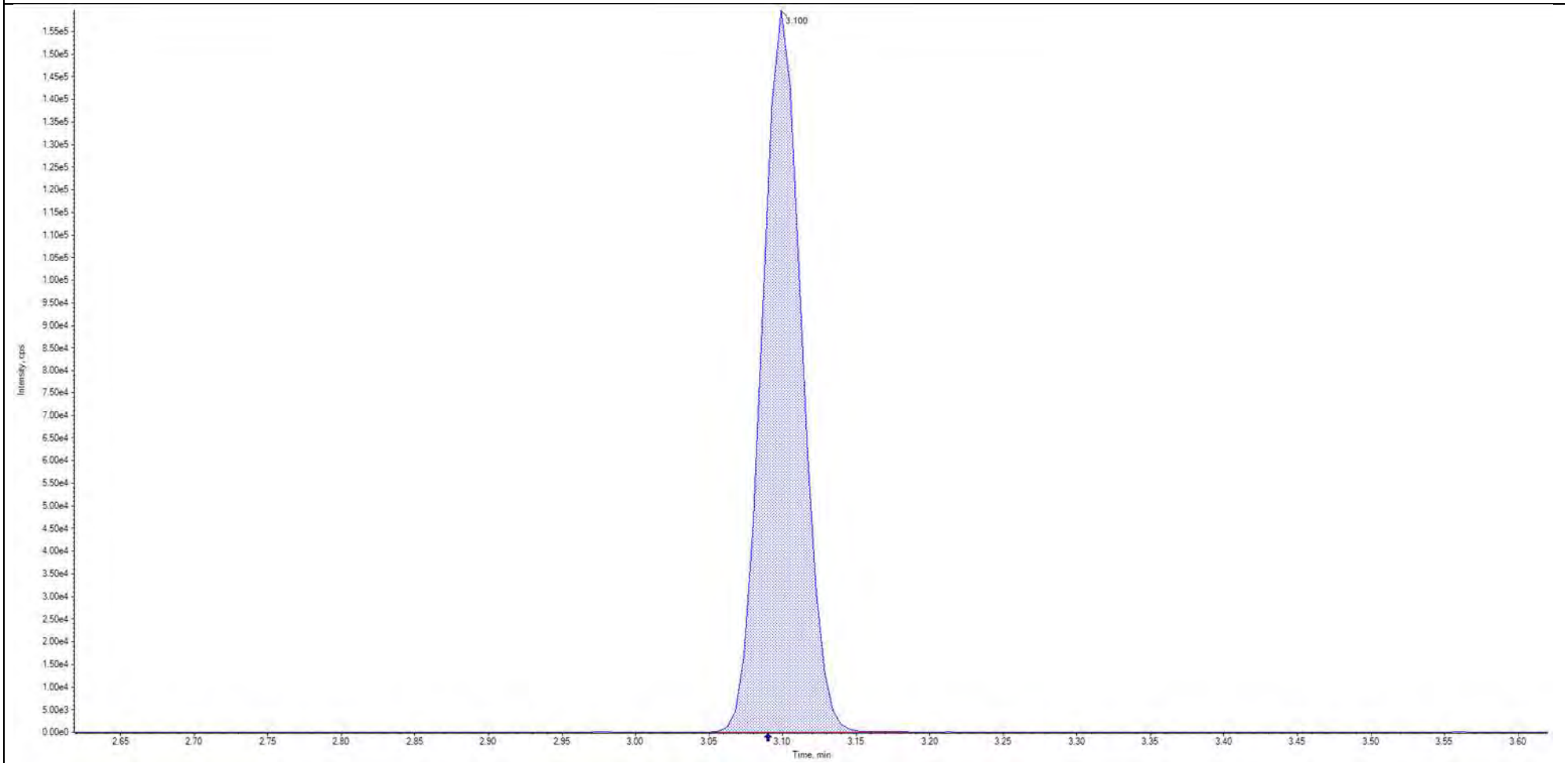
13C2-PFTeDA
Sample: IA1633STD-50



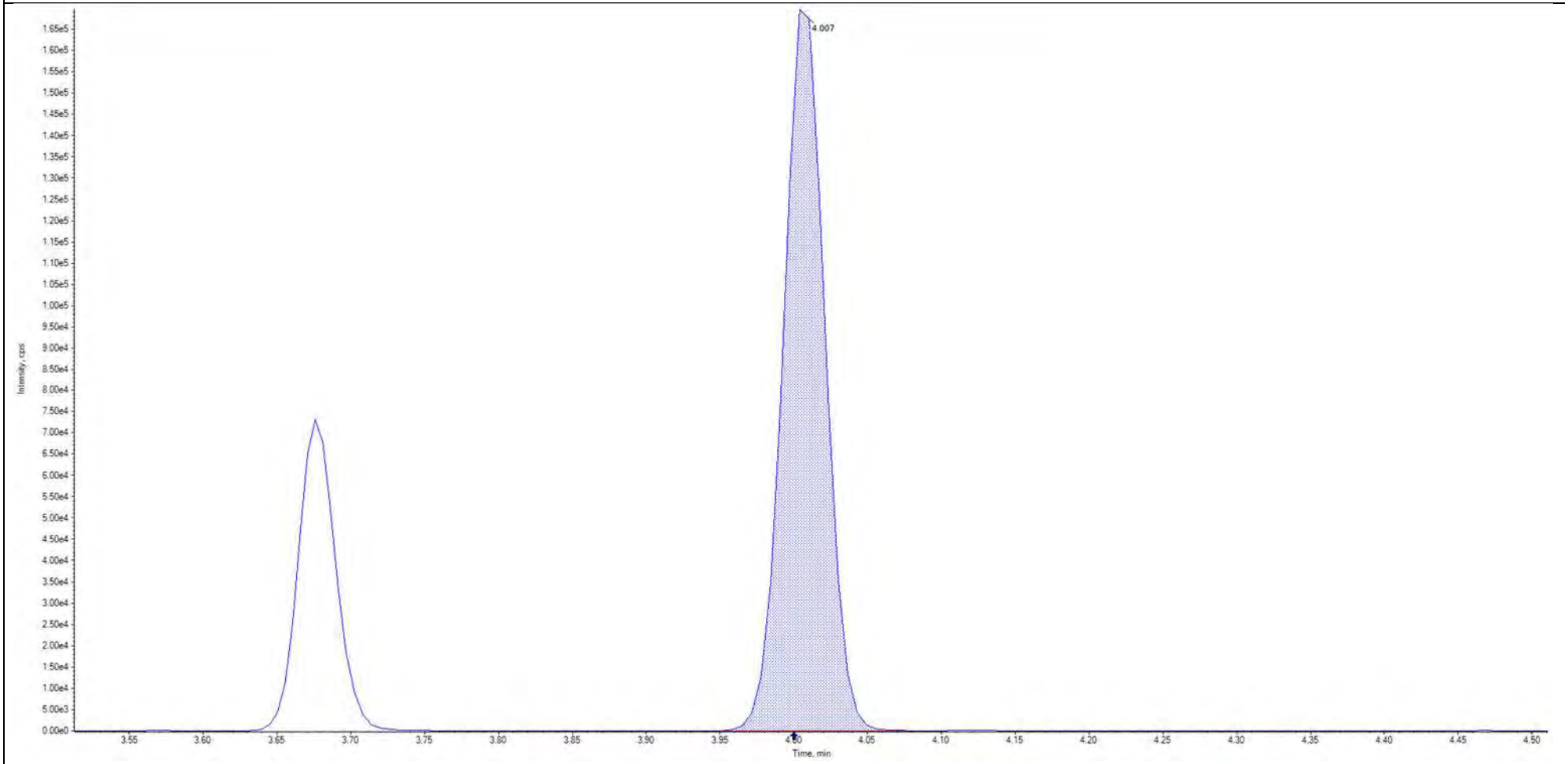
13C3-PFBS
Sample: IA1633STD-50



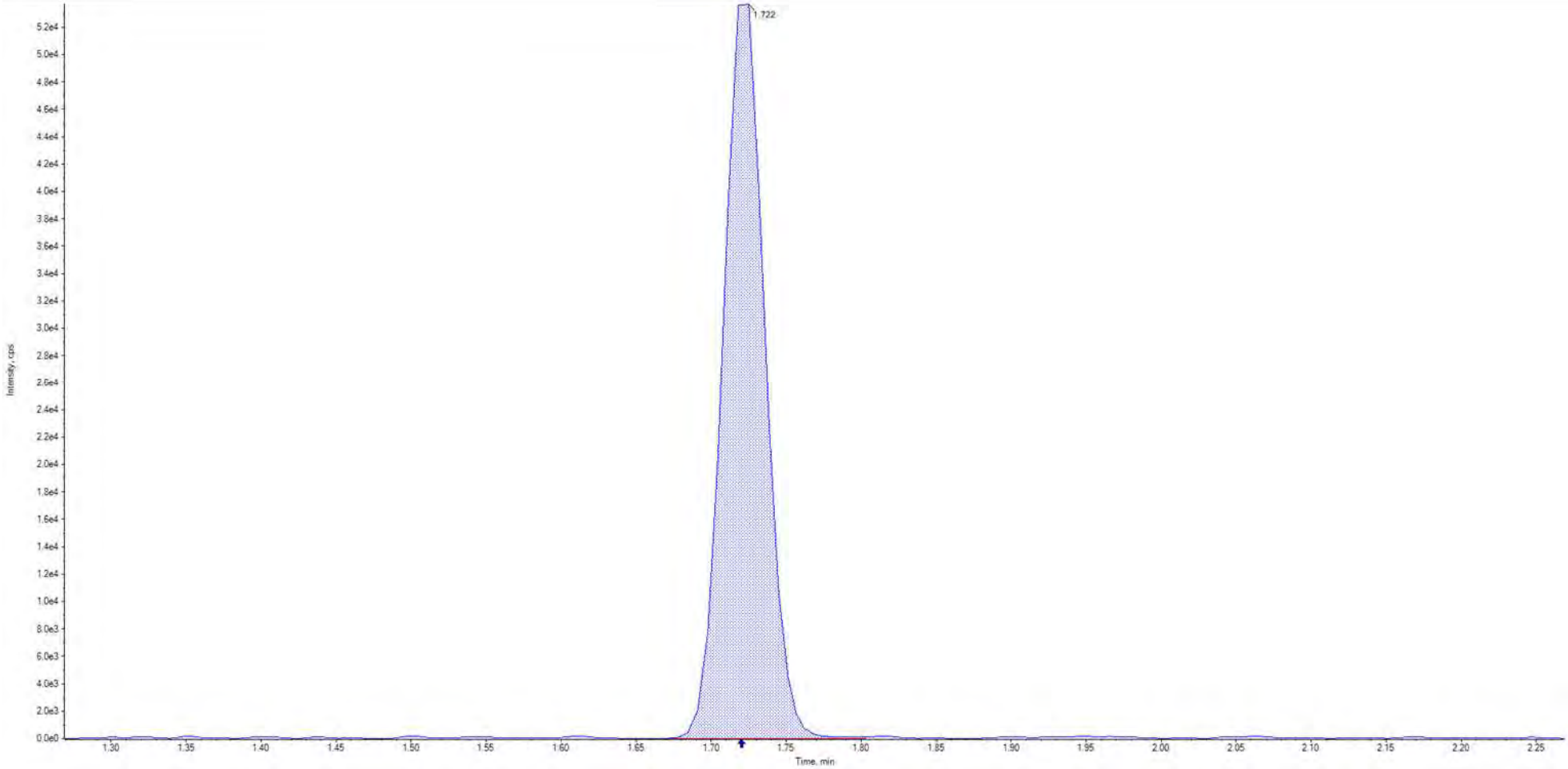
13C3-PFHxS
Sample: IA1633STD-50



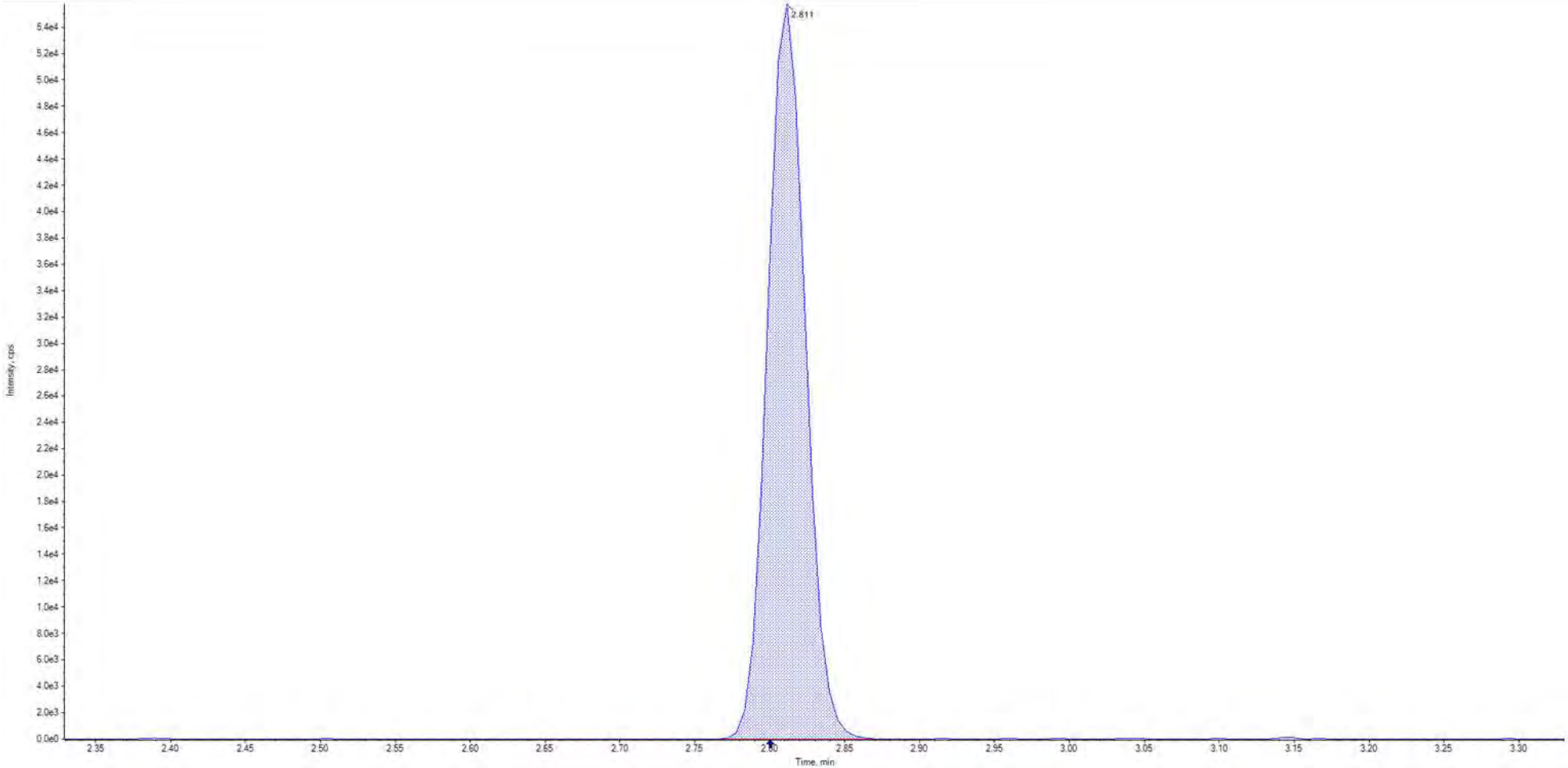
13C8-PFOS
Sample: IA1633STD-50



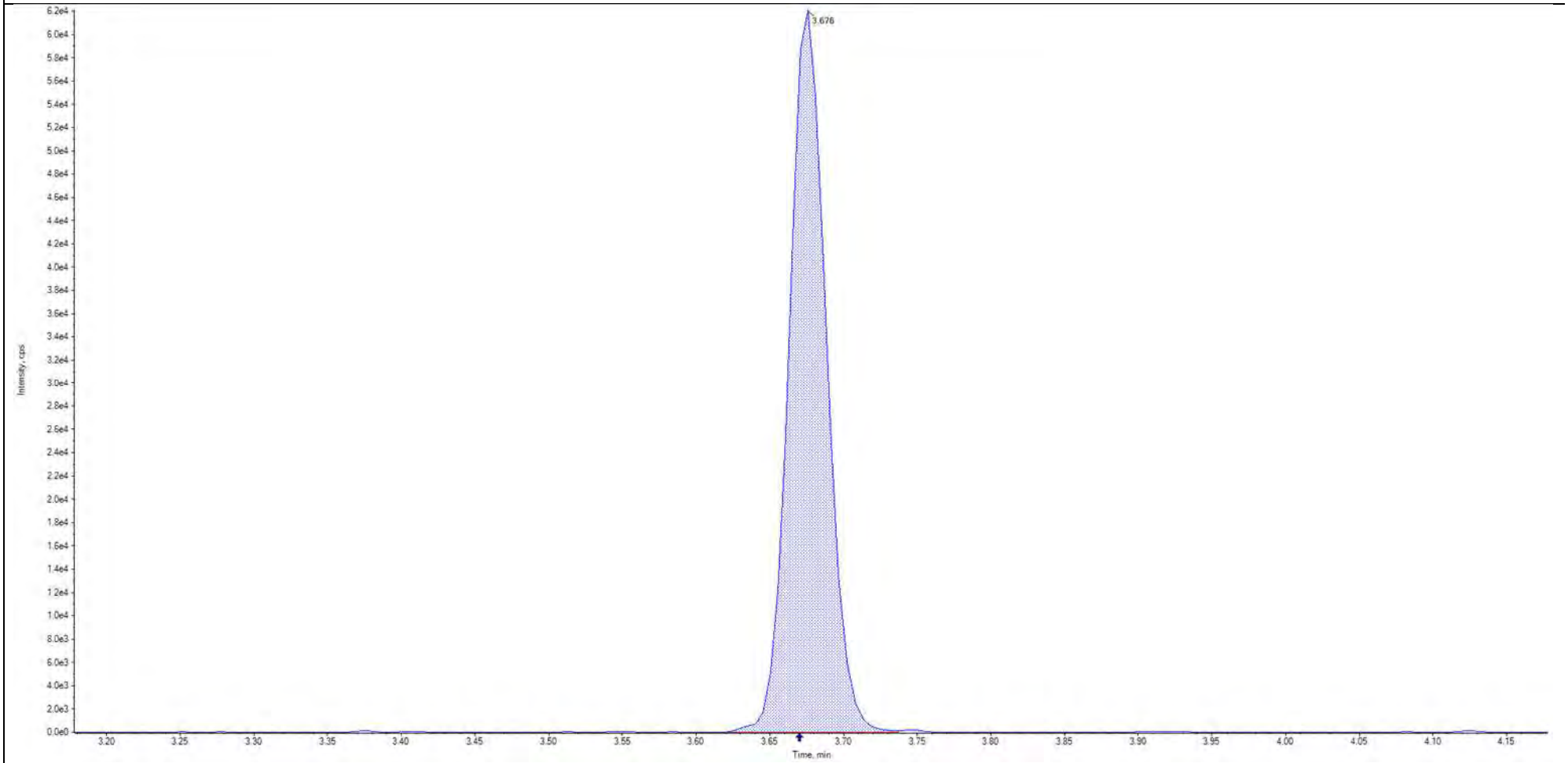
13C2-4:2FTS
Sample: IA1633STD-50



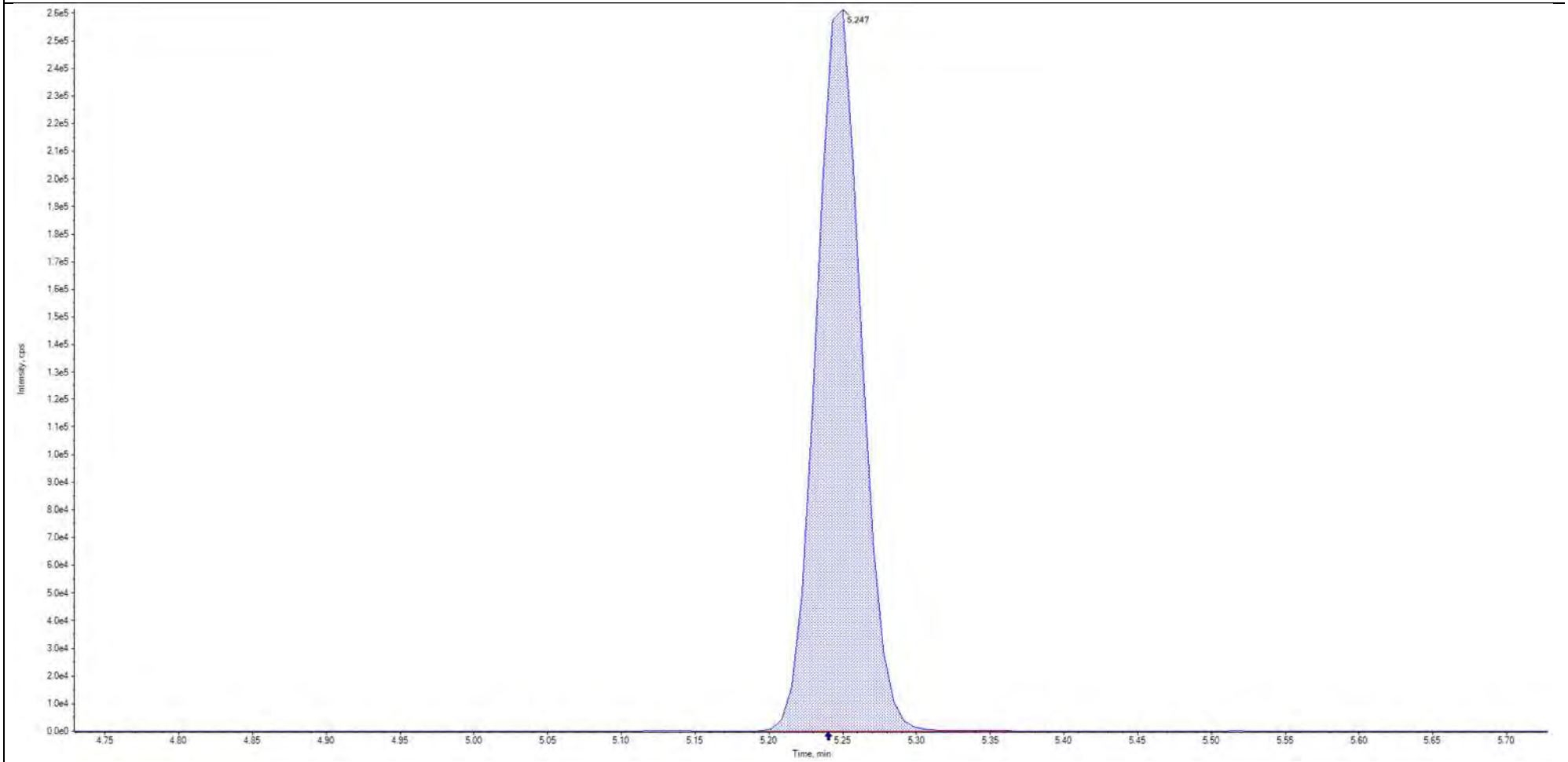
13C2-6:2FTS
Sample: IA1633STD-50



13C2-8:2FTS
Sample: IA1633STD-50



13C8-PFOSA
Sample: IA1633STD-50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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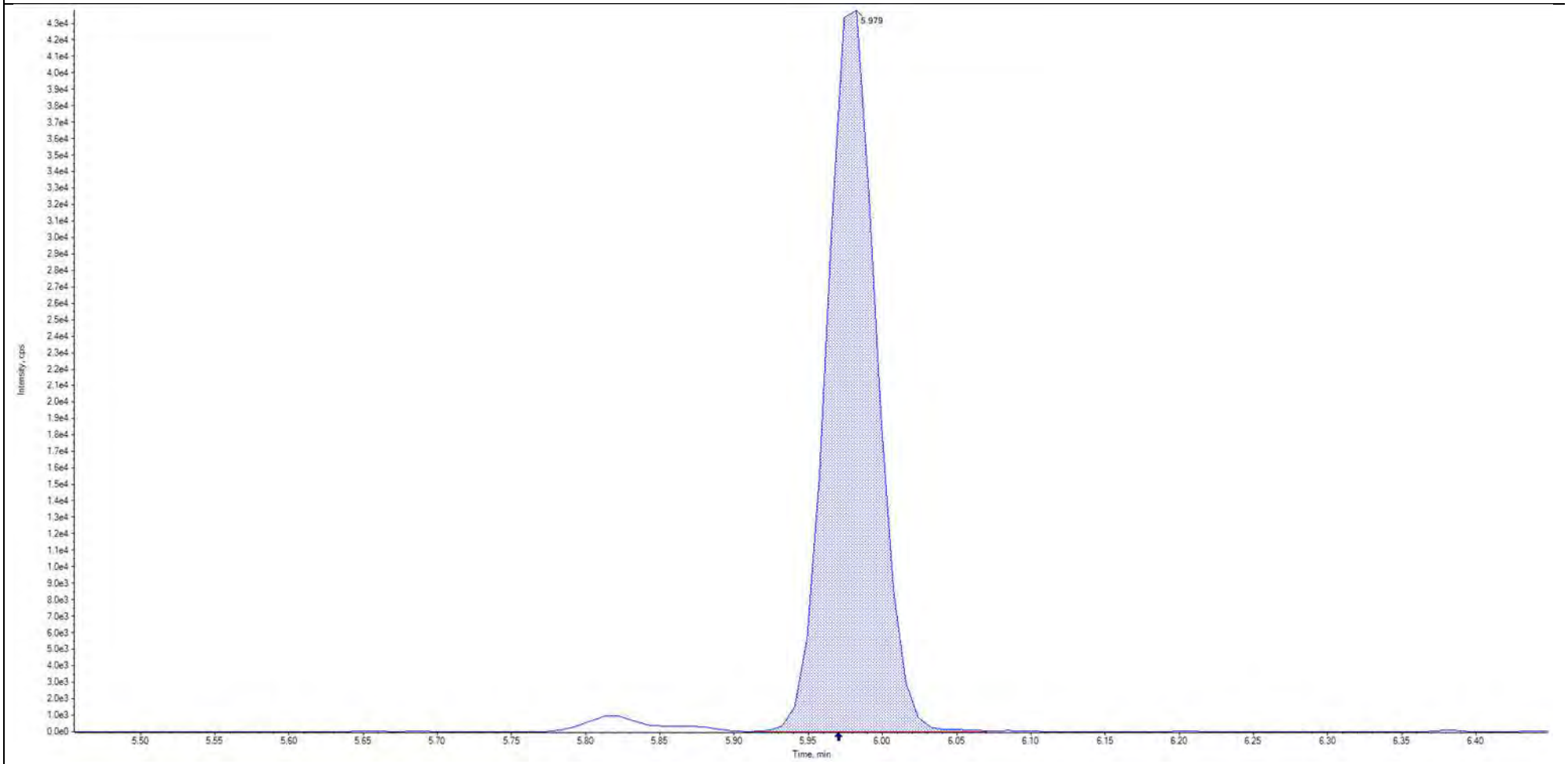
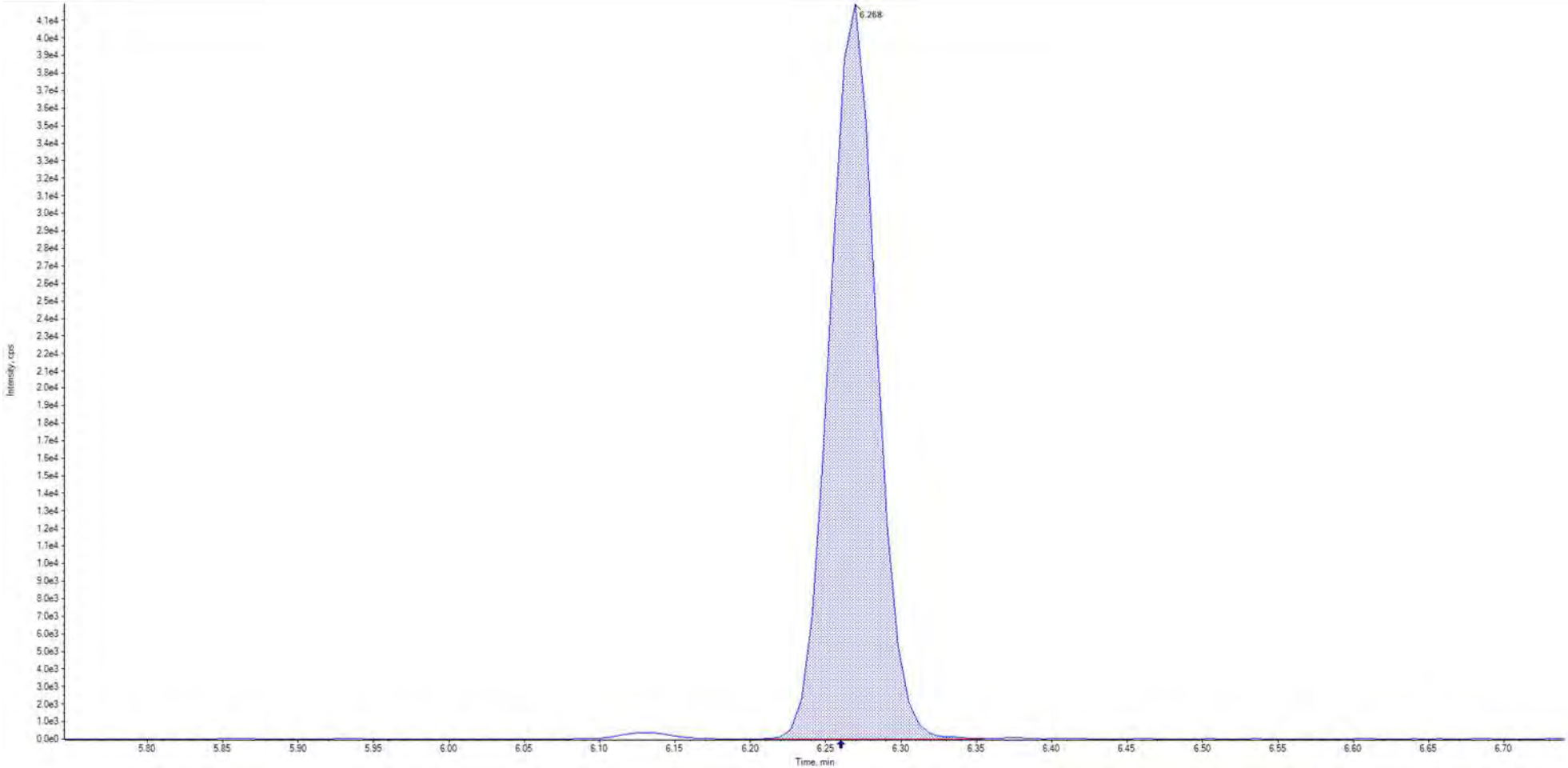
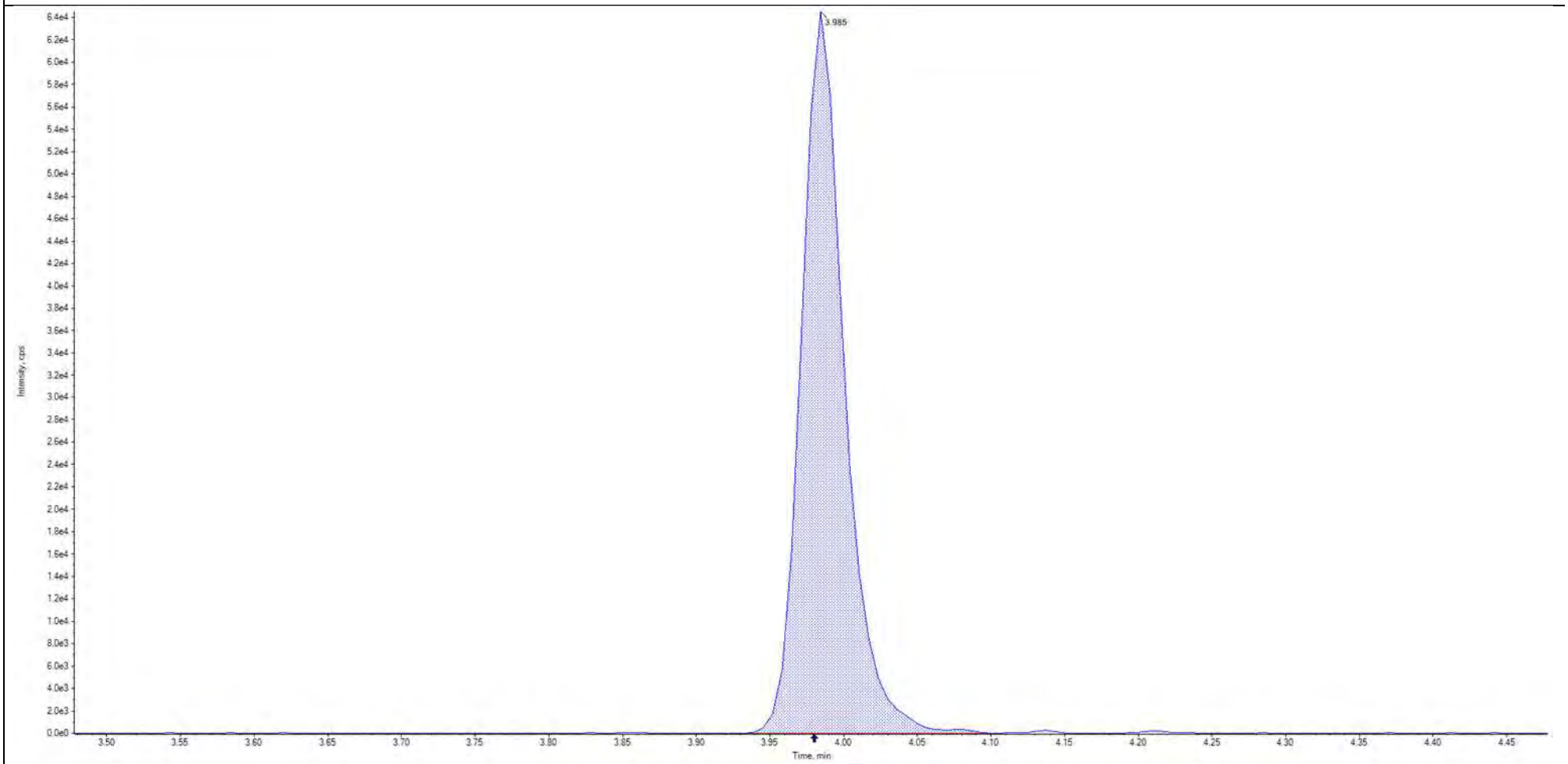
d3-NMeFOSA
Sample: IA1633STD-50



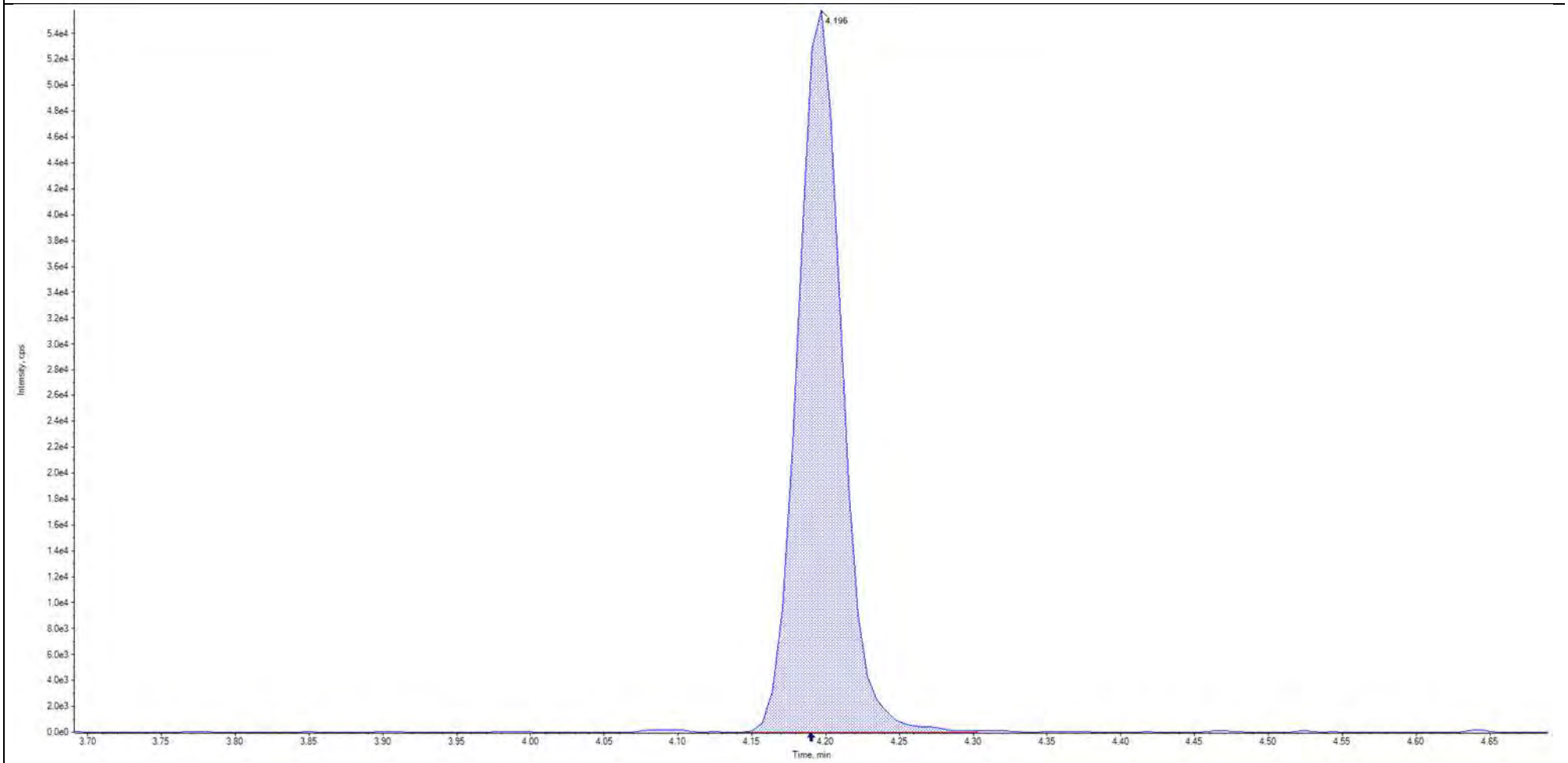
d5-NEtFOSA
Sample: IA1633STD-50



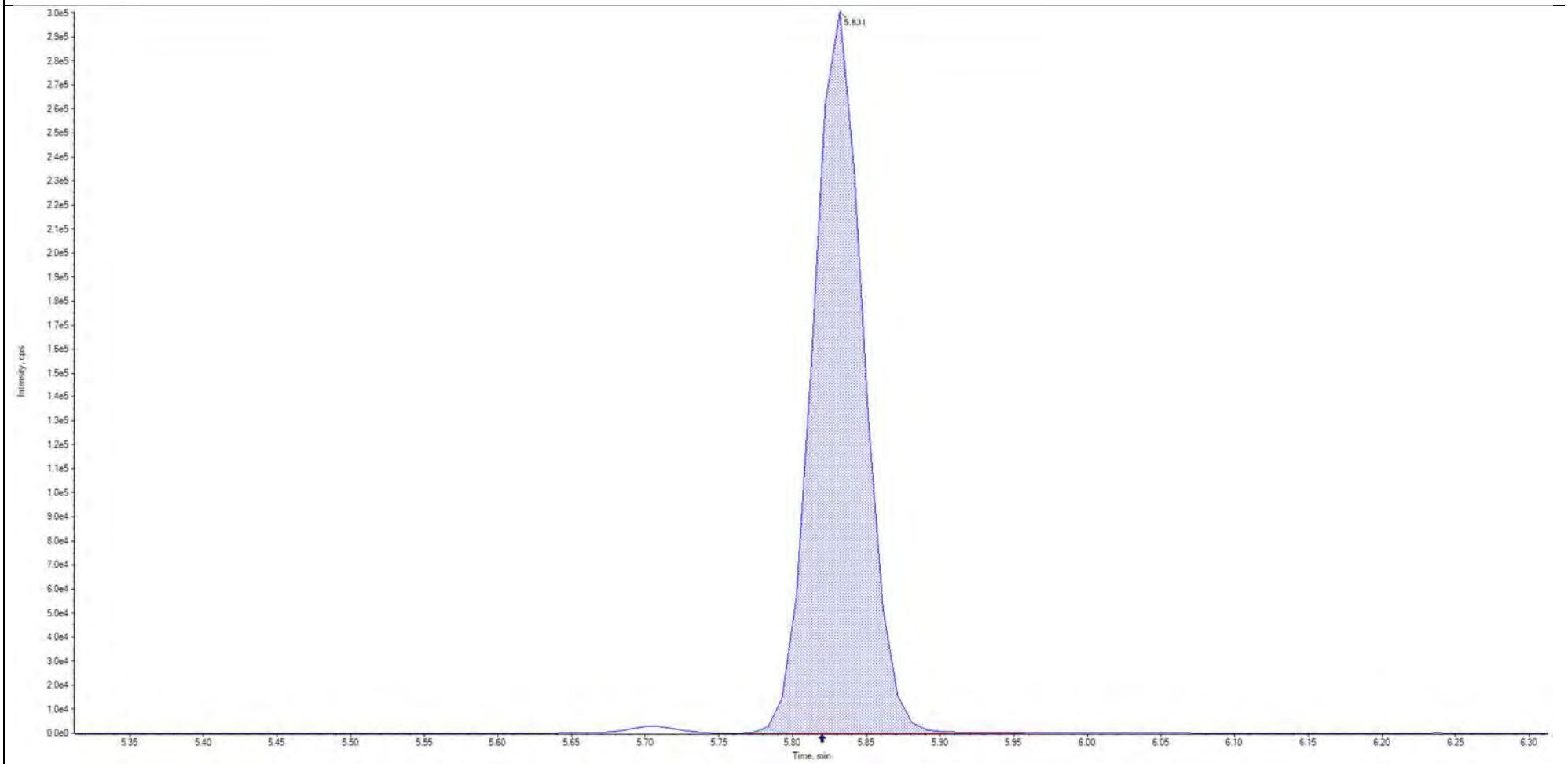
d3-NMeFOSAA
Sample: IA1633STD-50



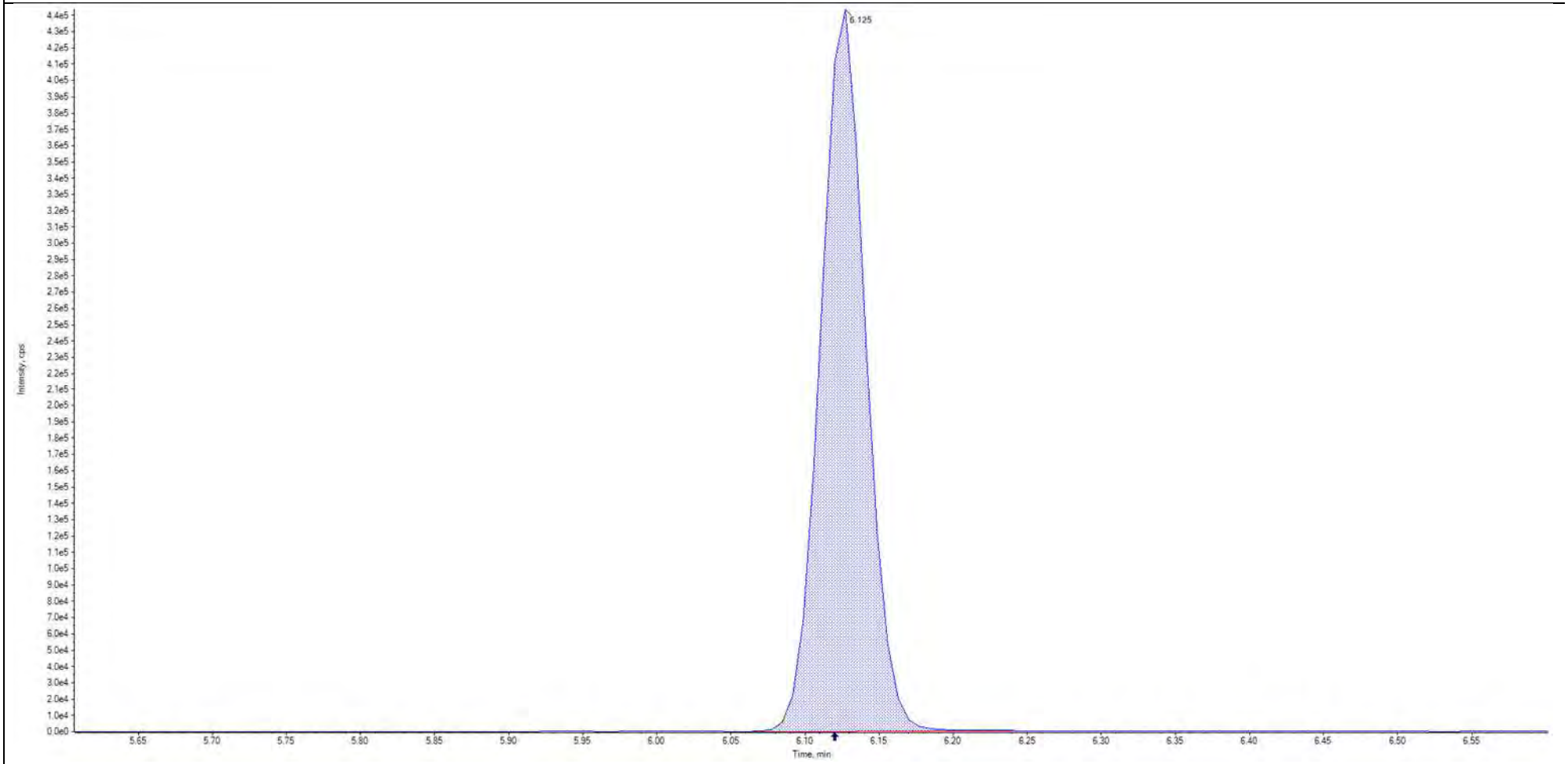
d5-NEtFOSAA
Sample: IA1633STD-50



d7-NMeFOSE
Sample: IA1633STD-50



d9-NEtFOSE
Sample: IA1633STD-50



13C3-HFPO-DA
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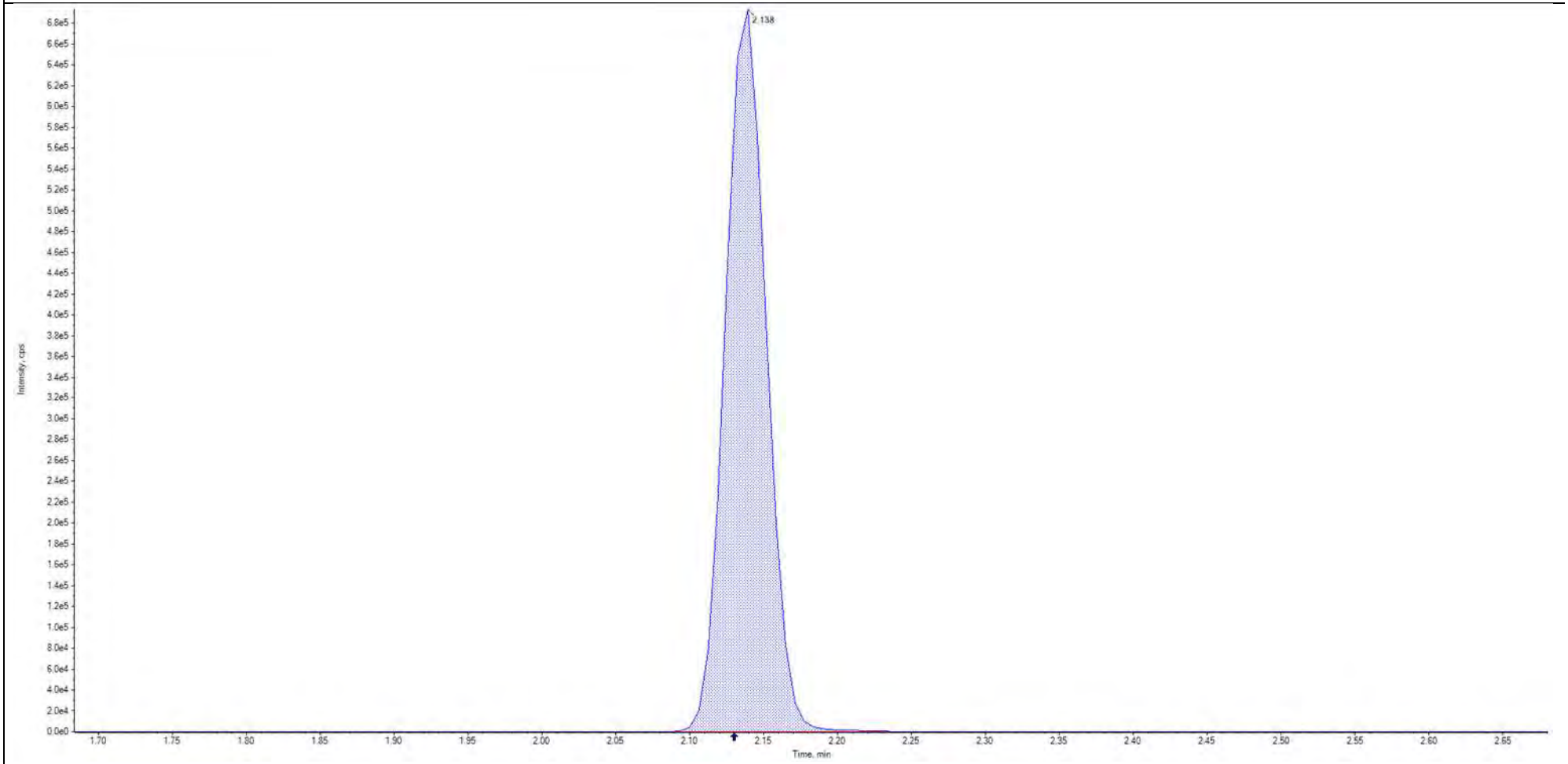
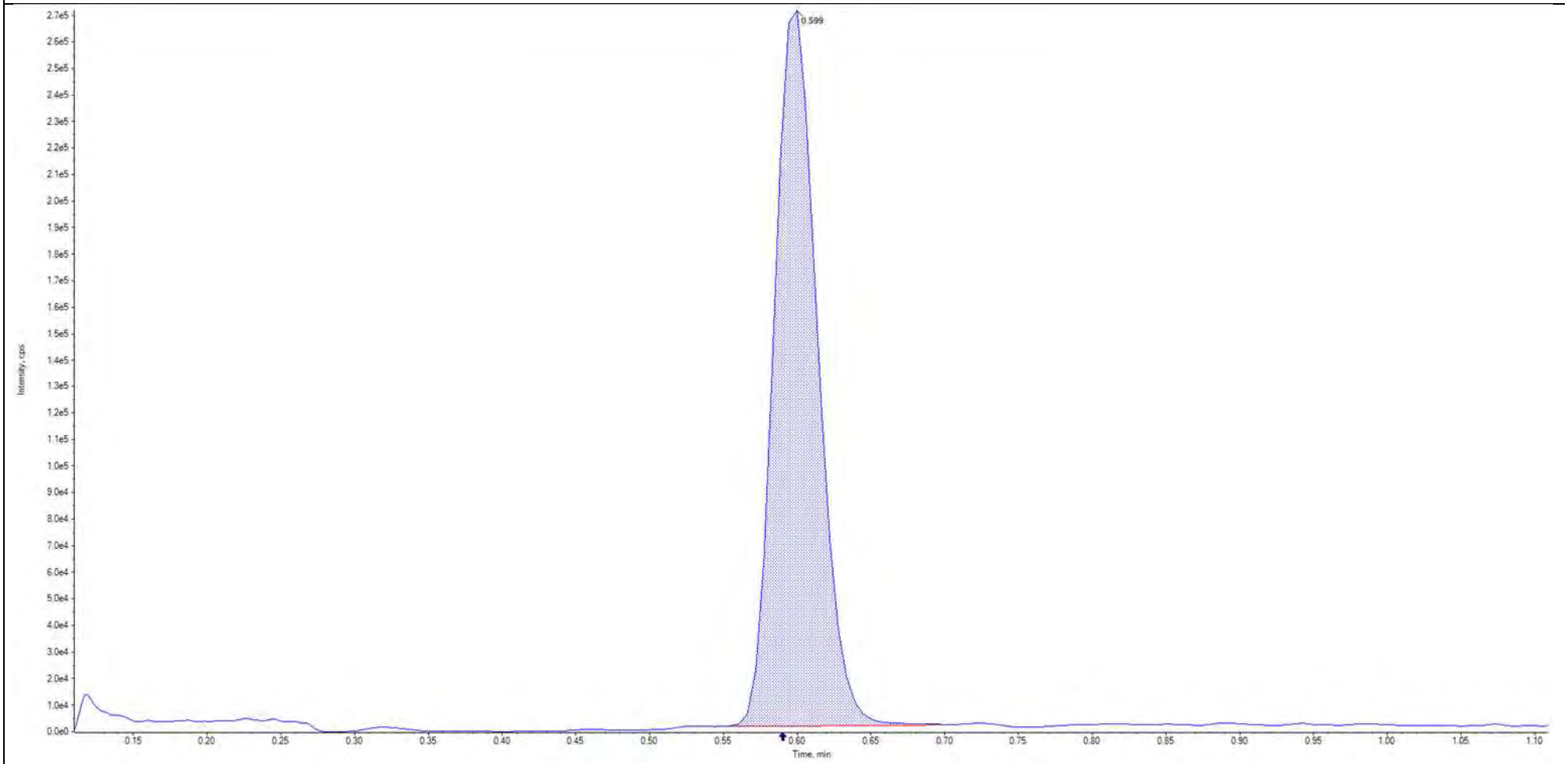
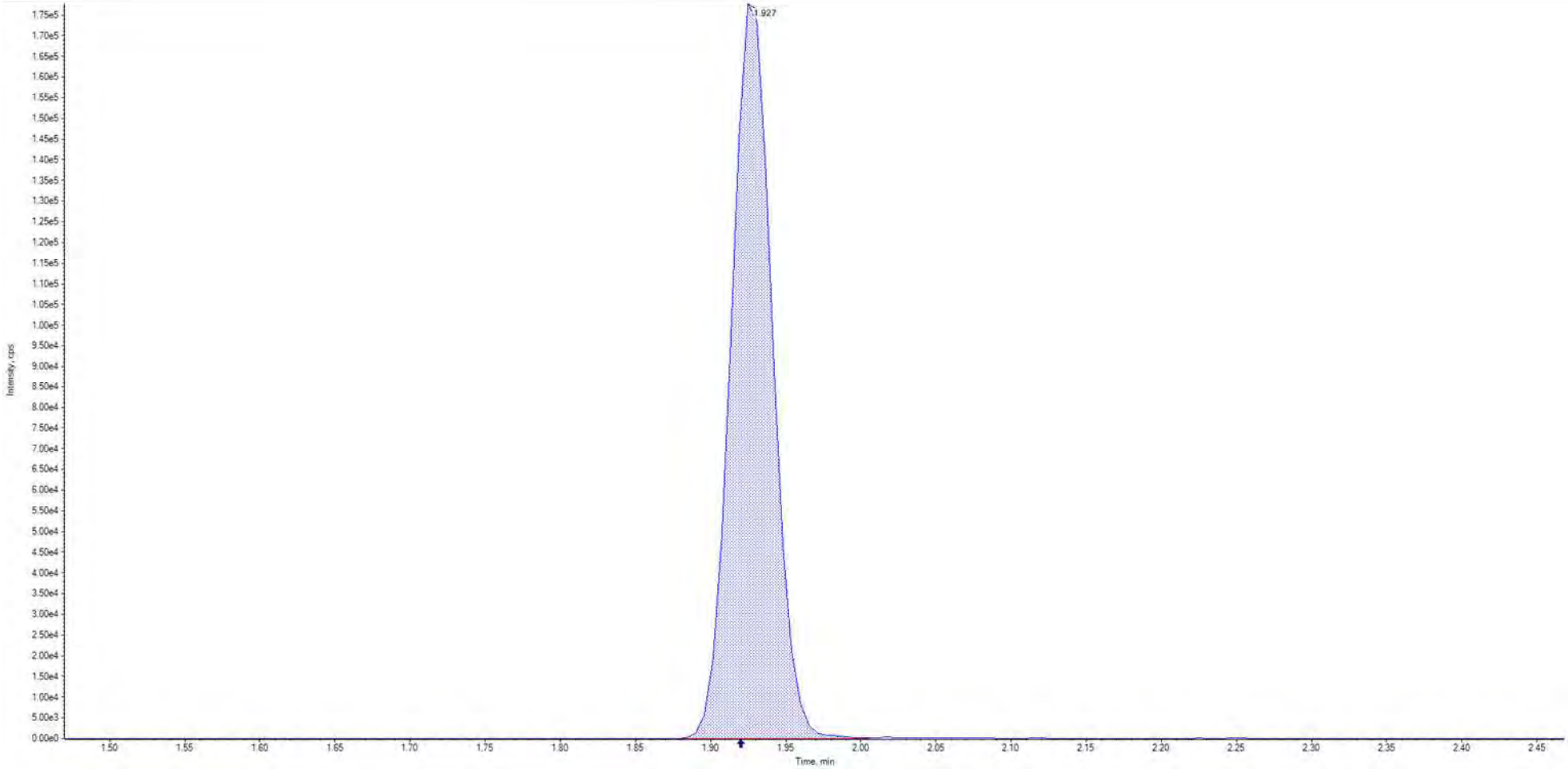


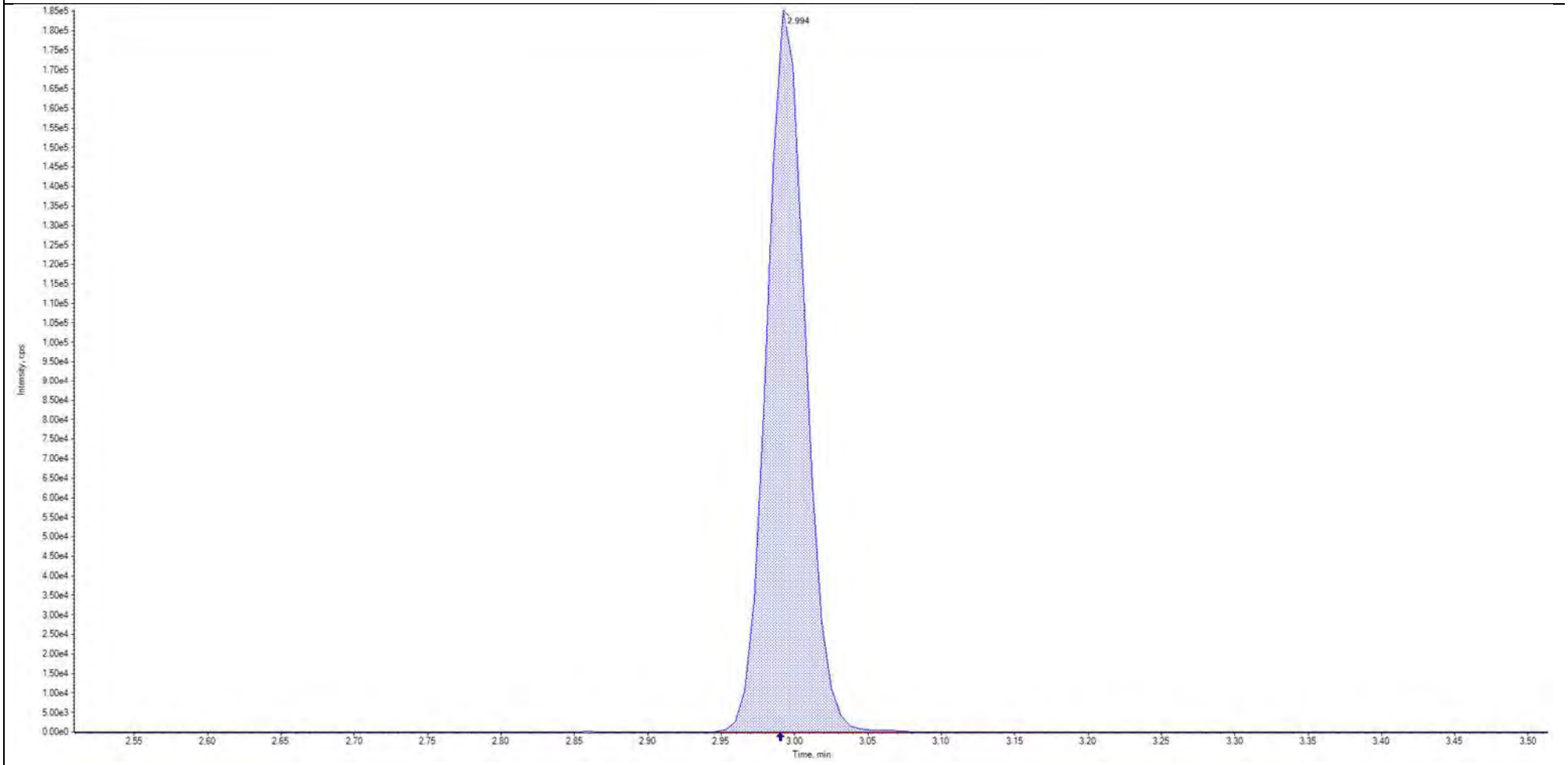
13C3-PFBA
Sample: IA1633STD-50



13C2-PFHxA
Sample: IA1633STD-50



13C4-PFOA
Sample: IA1633STD-50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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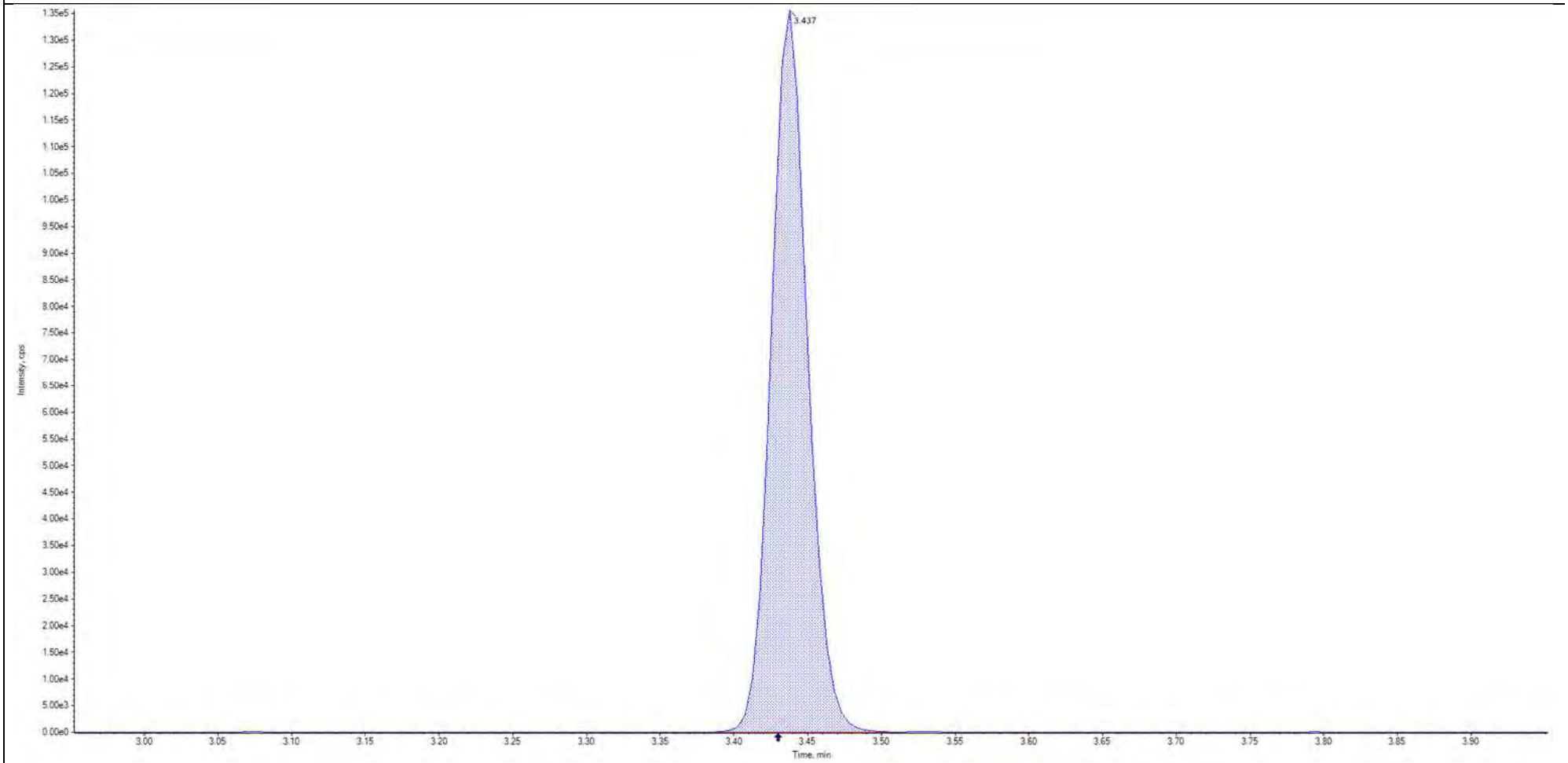
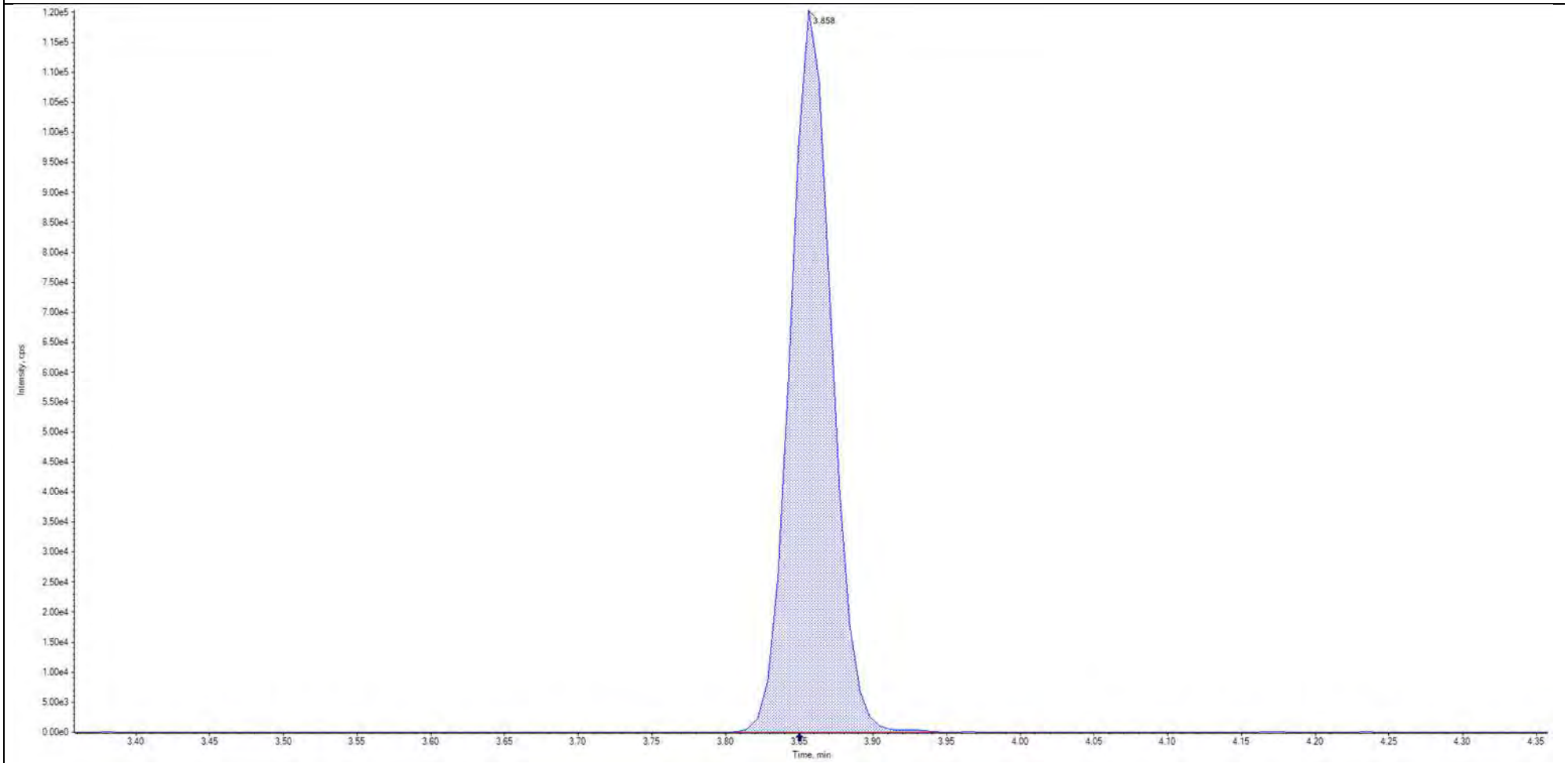
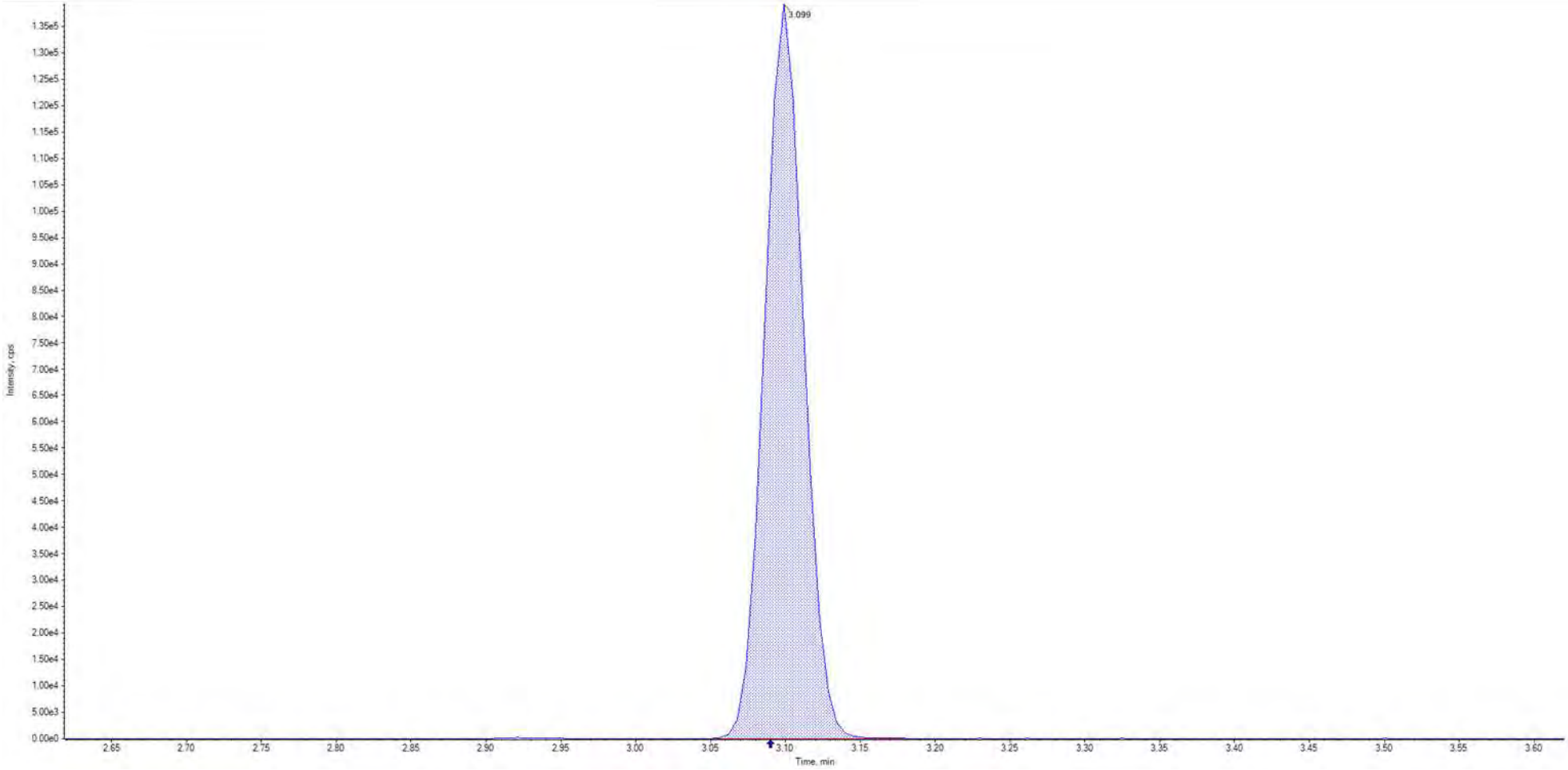
13C5-PFNA
Sample: IA1633STD-50



13C2-PFDA
Sample: IA1633STD-50



18O2-PFHxS
Sample: IA1633STD-50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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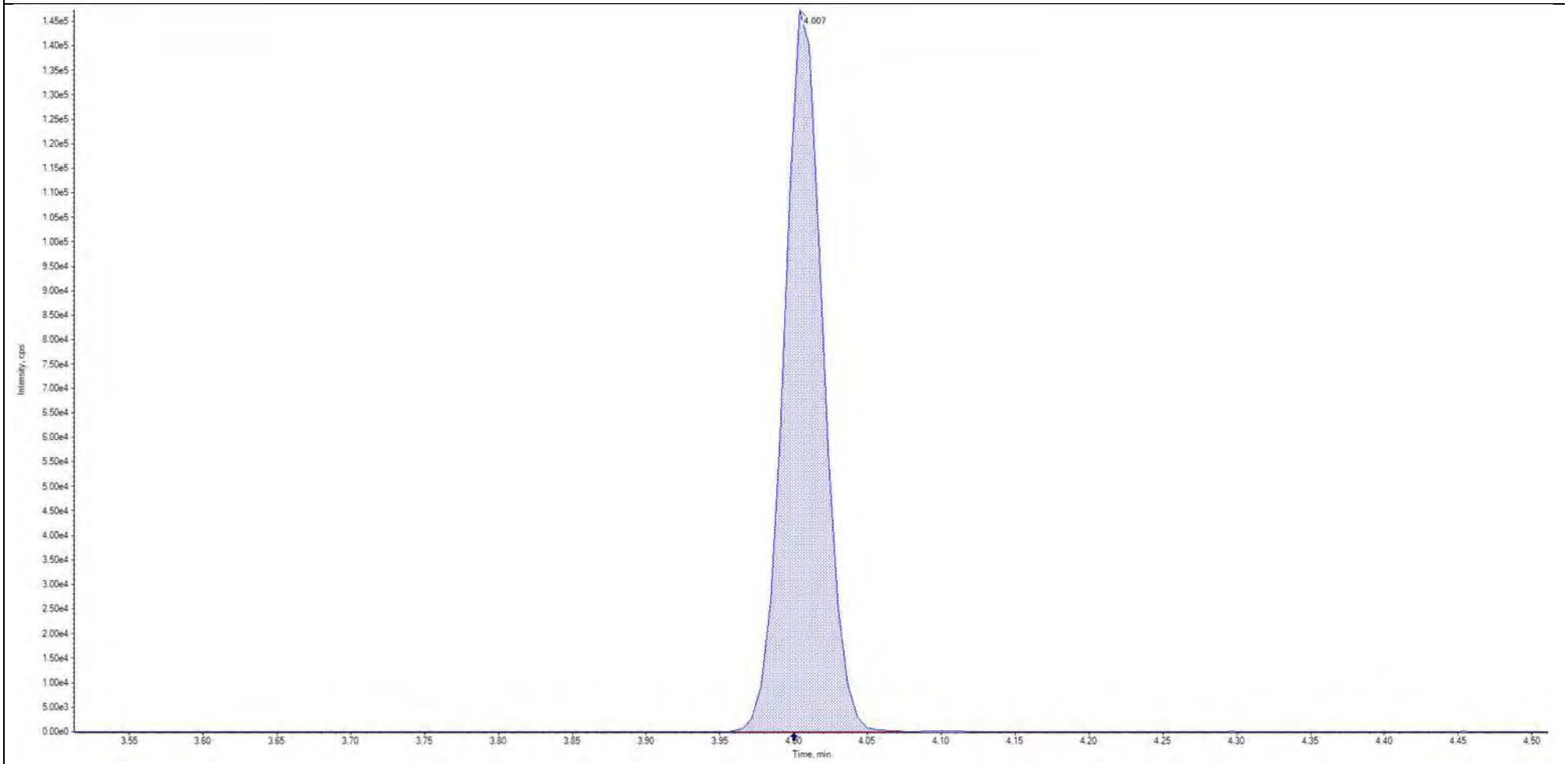
13C4-PFOS
Sample: IA1633STD-50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 6:51:07 AM
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Method: EPA1633F_250303.qmethod
Calibration: 250303_1633_ICAL

ID: IA1633STD-62.5
Name: SCI09_250303_30.wiff2
Date & Time: 2025-03-03T15:53:07
Description: WG2035972,,EPA1633F_250228_CAL_L9
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | PFBA | 375-22-4 | 0.60 | 213.0 / 169.0 | 29592587 | | 269.999 | N/A | N/A | N/A | 108.0 |
| 2 | PFPeA | 2706-90-3 | 1.19 | 263.0 / 219.0 | 16309147 | | 135.028 | 0.007 | N/A | N/A | 108.0 |
| 3 | PFPeA_2 | 2706-90-3 | 1.19 | 263.0 / 68.9 | 114132 | | 134.727 | 0.007 | N/A | N/A | 107.8 |
| 4 | PFHxA | 307-24-4 | 1.93 | 313.0 / 269.0 | 9738902 | | 56.977 | 0.086 | 0.081 | Pass | 91.2 |
| 5 | PFHxA_2 | 307-24-4 | 1.93 | 313.0 / 119.0 | 838718 | | 57.713 | 0.086 | 0.081 | Pass | 92.3 |
| 6 | PFHpA | 375-85-9 | 2.50 | 363.1 / 319.0 | 11695516 | | 63.173 | 0.395 | 0.373 | Pass | 101.1 |
| 7 | PFHpA_2 | 375-85-9 | 2.50 | 363.1 / 169.0 | 4622672 | | 63.244 | 0.395 | 0.373 | Pass | 101.2 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | PFOA | 335-67-1 | 2.99 | 413.1 / 369.1 | 12214696 | M5 | 66.203 | 0.434 | 0.424 | Pass | 105.9 |
| 9 | PFOA_2 | 335-67-1 | 2.98 | 413.1 / 169.0 | 5305375 | M5 | 67.936 | 0.434 | 0.424 | Pass | 108.7 |
| 10 | PFNA | 375-95-1 | 3.44 | 462.8 / 418.9 | 8836404 | M5 | 66.367 | 0.505 | 0.493 | Pass | 106.2 |
| 11 | PFNA_2 | 375-95-1 | 3.44 | 462.8 / 219.0 | 4462467 | M5 | 68.833 | 0.505 | 0.493 | Pass | 110.1 |
| 12 | PFDA | 335-76-2 | 3.86 | 513.1 / 469.1 | 11610738 | | 64.733 | 0.184 | 0.188 | Pass | 103.6 |
| 13 | PFDA_2 | 335-76-2 | 3.86 | 513.1 / 219.0 | 2132822 | | 64.583 | 0.184 | 0.188 | Pass | 103.3 |
| 14 | PFUnA | 2058-94-8 | 4.26 | 563.1 / 519.1 | 12375537 | | 67.627 | 0.149 | 0.146 | Pass | 108.2 |
| 15 | PFUnA_2 | 2058-94-8 | 4.26 | 563.1 / 269.0 | 1839084 | | 69.925 | 0.149 | 0.146 | Pass | 111.9 |
| 16 | PFDoA | 307-55-1 | 4.65 | 613.1 / 569.1 | 14057412 | | 60.792 | 0.141 | 0.142 | Pass | 97.3 |
| 17 | PFDoA_2 | 307-55-1 | 4.65 | 613.1 / 319.0 | 1977028 | | 62.037 | 0.141 | 0.142 | Pass | 99.3 |
| 18 | PFTrDA | 72629-94-8 | 5.03 | 663.1 / 619.1 | 12552333 | | 61.790 | 0.160 | 0.152 | Pass | 98.9 |
| 19 | PFTrDA_2 | 72629-94-8 | 5.03 | 663.1 / 169.0 | 2008309 | | 64.372 | 0.160 | 0.152 | Pass | 103.0 |
| 20 | PFTeDA | 376-06-7 | 5.40 | 713.1 / 669.1 | 11389632 | | 62.294 | 0.156 | 0.154 | Pass | 99.7 |
| 21 | PFTeDA_2 | 376-06-7 | 5.40 | 713.1 / 169.0 | 1777095 | | 59.531 | 0.156 | 0.154 | Pass | 95.3 |
| 22 | PFBS | 375-73-5 | 1.92 | 299.1 / 80.1 | 7957403 | | 60.419 | 0.377 | 0.374 | Pass | 108.9 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | PFBS_2 | 375-73-5 | 1.92 | 299.1 / 99.1 | 2998562 | | 65.291 | 0.377 | 0.374 | Pass | 111.0 |
| 24 | PFPeS | 2706-91-4 | 2.56 | 349.1 / 80.1 | 8382252 | | 60.984 | 0.324 | 0.314 | Pass | 103.7 |
| 25 | PFPeS_2 | 2706-91-4 | 2.57 | 349.1 / 99.1 | 2717726 | | 62.969 | 0.324 | 0.314 | Pass | 107.1 |
| 26 | PFHxS | 355-46-4 | 3.10 | 399.1 / 80.1 | 7822638 | M5 | 62.317 | 0.288 | 0.306 | Pass | 109.3 |
| 27 | PFHxS_2 | 355-46-4 | 3.10 | 399.1 / 99.1 | 2254191 | | 62.016 | 0.288 | 0.306 | Pass | 108.8 |
| 28 | PFHpS | 375-92-8 | 3.57 | 449.1 / 80.1 | 7818754 | | 62.558 | 0.298 | 0.316 | Pass | 105.1 |
| 29 | PFHpS_2 | 375-92-8 | 3.57 | 449.1 / 99.1 | 2328908 | | 60.897 | 0.298 | 0.316 | Pass | 102.4 |
| 30 | PFOS | 1763-23-1 | 4.01 | 499.1 / 80.1 | 9063220 | M5 | 59.616 | 0.252 | 0.244 | Pass | 102.8 |
| 31 | PFOS_2 | 1763-23-1 | 4.01 | 499.1 / 99.1 | 2287243 | | 59.882 | 0.252 | 0.244 | Pass | 103.2 |
| 32 | PFNS | 68259-12-1 | 4.42 | 549.1 / 80.1 | 6654625 | | 64.290 | 0.286 | 0.294 | Pass | 107.2 |
| 33 | PFNS_2 | 68259-12-1 | 4.42 | 549.1 / 99.1 | 1902597 | | 64.303 | 0.286 | 0.294 | Pass | 107.2 |
| 34 | PFDS | 335-77-3 | 4.81 | 599.1 / 80.1 | 6425873 | | 63.191 | 0.283 | 0.290 | Pass | 104.8 |
| 35 | PFDS_2 | 335-77-3 | 4.81 | 599.1 / 99.1 | 1816684 | | 63.264 | 0.283 | 0.290 | Pass | 104.9 |
| 36 | PFDoS | 79780-39-5 | 5.56 | 699.2 / 80.1 | 5954134 | | 64.265 | 0.257 | 0.256 | Pass | 106.2 |
| 37 | PFDoS_2 | 79780-39-5 | 5.56 | 699.2 / 99.1 | 1531292 | | 64.123 | 0.257 | 0.256 | Pass | 106.0 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 38 | 4:2FTS | 757124-72-4 | 1.72 | 327.1 / 307.1 | 8244658 | | 226.547 | 0.654 | 0.650 | Pass | 96.8 |
| 39 | 4:2FTS_2 | 757124-72-4 | 1.72 | 327.1 / 81.1 | 5389296 | | 229.442 | 0.654 | 0.650 | Pass | 98.1 |
| 40 | 6:2FTS | 27619-97-2 | 2.81 | 427.2 / 407.2 | 7131070 | | 207.429 | 0.665 | 0.620 | Pass | 87.2 |
| 41 | 6:2FTS_2 | 27619-97-2 | 2.81 | 427.2 / 81.1 | 4744143 | | 215.304 | 0.665 | 0.620 | Pass | 90.5 |
| 42 | 8:2FTS | 39108-34-4 | N/A | 527.2 / 507.2 | N/A | | N/A | N/A | 0.676 | N/A | N/A |
| 43 | 8:2FTS_2 | 39108-34-4 | N/A | 527.2 / 81.1 | N/A | | N/A | N/A | 0.676 | N/A | N/A |
| 44 | PFOSA | 754-91-6 | 5.24 | 498.1 / 78.1 | 11605870 | M5 | 66.620 | 0.024 | 0.026 | Pass | 106.6 |
| 45 | PFOSA_2 | 754-91-6 | 5.24 | 498.1 / 478.0 | 278614 | M5 | 61.909 | 0.024 | 0.026 | Pass | 99.1 |
| 46 | NMeFOSA | 31506-32-8 | 5.98 | 512.2 / 219.0 | 3004999 | M5 | 66.481 | 1.381 | 1.377 | Pass | 106.4 |
| 47 | NMeFOSA_2 | 31506-32-8 | 5.94 | 512.2 / 169.0 | 4149531 | M5 | 66.068 | 1.381 | 1.377 | Pass | 105.7 |
| 48 | NEtFOSA | 4151-50-2 | 6.28 | 526.2 / 219.0 | 2927446 | | 63.867 | 1.261 | 1.292 | Pass | 102.2 |
| 49 | NEtFOSA_2 | 4151-50-2 | 6.24 | 526.2 / 169.0 | 3690313 | | 64.526 | 1.261 | 1.292 | Pass | 103.2 |
| 50 | NMeFOSAA | 2355-31-9 | 3.98 | 570.2 / 419.1 | 1555100 | | 65.527 | 0.697 | 0.697 | Pass | 104.8 |
| 51 | NMeFOSAA_2 | 2355-31-9 | 3.98 | 570.2 / 483.0 | 1083954 | | 63.573 | 0.697 | 0.697 | Pass | 101.7 |
| 52 | NEtFOSAA | 2991-50-6 | 4.20 | 584.2 / 419.1 | 1569102 | | 63.940 | 0.601 | 0.557 | Pass | 102.3 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | NEtFOSAA_2 | 2991-50-6 | 4.20 | 584.2 / 526.2 | 942559 | M5 | 69.681 | 0.601 | 0.557 | Pass | 111.5 |
| 54 | NMeFOSE | 24448-09-7 | 5.85 | 616.1 / 58.9 | 43701785 | M5 | 678.698 | N/A | N/A | N/A | 108.6 |
| 55 | NEtFOSE | 1691-99-2 | 6.14 | 630.0 / 58.9 | 59054522 | M5 | 667.355 | N/A | N/A | N/A | 106.8 |
| 56 | HFPO-DA | 13252-13-6 | 2.14 | 285.0 / 169.0 | 34456419 | | 248.491 | 0.510 | 0.501 | Pass | 99.4 |
| 57 | HFPO-DA_2 | 13252-13-6 | 2.13 | 285.0 / 184.9 | 17570619 | | 240.335 | 0.510 | 0.501 | Pass | 96.1 |
| 58 | ADONA | 919005-14-4 | 2.68 | 376.9 / 251.0 | 58871745 | | 215.753 | 0.641 | 0.691 | Pass | 91.3 |
| 59 | ADONA_2 | 919005-14-4 | 2.68 | 376.9 / 84.8 | 37713370 | | 208.616 | 0.641 | 0.691 | Pass | 88.3 |
| 60 | 9Cl-PF3ONS | 756426-58-1 | 4.29 | 530.8 / 351.1 | 51374727 | | 198.306 | 0.337 | 0.332 | Pass | 85.1 |
| 61 | 9Cl-PF3ONS_2 | 756426-58-1 | 4.29 | 532.8 / 353.0 | 17302220 | | 200.927 | 0.337 | 0.332 | Pass | 86.2 |
| 62 | 11Cl-PF3OUdS | 763051-92-9 | 5.08 | 630.9 / 451.0 | 43809540 | | 199.975 | 0.329 | 0.322 | Pass | 84.7 |
| 63 | 11Cl-PF3OUdS_2 | 763051-92-9 | 5.08 | 632.9 / 452.9 | 14408249 | | 204.895 | 0.329 | 0.322 | Pass | 86.8 |
| 64 | 3:3FTCA | 356-02-5 | N/A | 241.1 / 177.1 | N/A | | N/A | N/A | 1.010 | N/A | N/A |
| 65 | 3:3FTCA_2 | 356-02-5 | N/A | 241.1 / 117.0 | N/A | | N/A | N/A | 1.010 | N/A | N/A |
| 66 | 5:3FTCA | 914637-49-3 | 3.04 | 341.1 / 237.1 | 60070838 | | 1405.496 | 0.996 | 1.017 | Pass | 90.0 |
| 67 | 5:3FTCA_2 | 914637-49-3 | 3.04 | 341.1 / 217.0 | 59831272 | | 1389.363 | 0.996 | 1.017 | Pass | 88.9 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 7:3FTCA | 812-70-4 | 4.06 | 441.1 / 316.9 | 57706533 | | 1596.892 | 1.164 | 1.343 | Pass | 102.2 |
| 69 | 7:3FTCA_2 | 812-70-4 | 4.06 | 441.1 / 337.1 | 67156791 | | 1405.864 | 1.164 | 1.343 | Pass | 90.0 |
| 70 | PFEESA | 113507-82-7 | 2.23 | 315.1 / 135.0 | 48272608 | | 108.678 | 0.082 | 0.081 | Pass | 97.0 |
| 71 | PFEESA_2 | 113507-82-7 | 2.23 | 315.1 / 82.9 | 3939343 | | 107.829 | 0.082 | 0.081 | Pass | 96.3 |
| 72 | PFMPA | 377-73-1 | 0.76 | 229.0 / 85.0 | 17466472 | | 152.354 | N/A | N/A | N/A | 121.9 |
| 73 | PFMBA | 863090-89-5 | 1.45 | 279.0 / 85.0 | 18988827 | | 137.357 | N/A | N/A | N/A | 109.9 |
| 74 | NFDHA | 151772-58-6 | 1.85 | 295.0 / 201.0 | 14641873 | | 125.933 | 0.668 | 0.681 | Pass | 100.8 |
| 75 | NFDHA_2 | 151772-58-6 | 1.85 | 295.0 / 84.9 | 9779817 | | 118.849 | 0.668 | 0.681 | Pass | 95.1 |
| 76 | TDCA | 516-50-7 | 2.66 | 499.1 / 124.1 | 1703275 | | 9.925 | 5.602 | 5.680 | Pass | 99.3 |
| 77 | TDCA_2 | 516-50-7 | 2.66 | 499.1 / 79.9 | 9541237 | | 9.868 | 5.602 | 5.680 | Pass | 98.7 |
| 78 | 13C2D4-4:2FTS | Surr | 1.71 | 333.2 / 312.1 | 130410 | | 5.174 | N/A | N/A | N/A | 103.5 |
| 79 | 13C2-PFOA | Surr | 2.99 | 415.0 / 370.0 | 333473 | | 2.378 | N/A | N/A | N/A | 95.1 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C4-PFBA | EIS | 0.60 | 217.0 / 172.0 | 1226408 | | 9.622 | NA | NA | NA | 96.2 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C5-PFPeA | EIS | 1.18 | 268.0 / 223.0 | 629290 | | 4.661 | NA | NA | NA | 93.2 |
| | 13C5-PFHxA | EIS | 1.92 | 318.0 / 273.0 | 333680 | | 2.629 | NA | NA | NA | 105.2 |
| | 13C4-PFHpA | EIS | 2.50 | 367.0 / 322.0 | 318824 | | 2.604 | NA | NA | NA | 104.2 |
| | 13C8-PFOA | EIS | 2.99 | 420.8 / 376.0 | 539663 | | 2.140 | NA | NA | NA | 85.6 |
| | 13C9-PFNA | EIS | 3.43 | 472.0 / 427.0 | 246823 | | 1.199 | NA | NA | NA | 95.9 |
| | 13C6-PFDA | EIS | 3.85 | 519.0 / 474.0 | 253600 | | 1.194 | NA | NA | NA | 95.5 |
| | 13C7-PFUnA | EIS | 4.26 | 570.0 / 525.0 | 270169 | | 1.153 | NA | NA | NA | 92.2 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C2-PFDoA | EIS | 4.65 | 615.1 / 570.0 | 305879 | | 1.297 | NA | NA | NA | 103.8 |
| | 13C2-PFTeDA | EIS | 5.40 | 715.1 / 670.1 | 201096 | | 1.315 | NA | NA | NA | 105.2 |
| | 13C3-PFBS | EIS | 1.92 | 302.1 / 80.1 | 288865 | | 2.021 | NA | NA | NA | 86.7 |
| | 13C3-PFHxS | EIS | 3.09 | 402.1 / 80.1 | 287253 | | 2.261 | NA | NA | NA | 95.4 |
| | 13C8-PFOS | EIS | 4.00 | 507.1 / 80.1 | 318897 | | 2.290 | NA | NA | NA | 95.4 |
| | 13C2-4:2FTS | EIS | 1.71 | 329.1 / 81.1 | 110895 | | 5.260 | NA | NA | NA | 112.1 |
| | 13C2-6:2FTS | EIS | 2.80 | 429.2 / 81.1 | 101732 | | 5.604 | NA | NA | NA | 117.7 |
| | 13C2-8:2FTS | EIS | 3.67 | 529.2 / 81.1 | 103408 | | 5.627 | NA | NA | NA | 117.2 |

| Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| 13C8-PFOSA | EIS | 5.24 | 506.1 / 78.1 | 543891 | | 2.460 | NA | NA | NA | 98.4 |
| d3-NMeFOSA | EIS | 5.97 | 515.2 / 219.0 | 100813 | | 2.525 | NA | NA | NA | 101.0 |
| d5-NEtFOSA | EIS | 6.26 | 531.2 / 219.0 | 94057 | | 2.591 | NA | NA | NA | 103.6 |
| d3-NMeFOSAA | EIS | 3.98 | 573.2 / 419.1 | 130539 | | 4.779 | NA | NA | NA | 95.6 |
| d5-NEtFOSAA | EIS | 4.19 | 589.3 / 419.1 | 113185 | | 5.185 | NA | NA | NA | 103.7 |
| d7-NMeFOSE | EIS | 5.82 | 623.2 / 58.9 | 710582 | | 24.745 | NA | NA | NA | 99.0 |
| d9-NEtFOSE | EIS | 6.12 | 639.2 / 58.9 | 936762 | | 24.318 | 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 | 2.13 | 287.0 / 169.0 | 1368255 | | 10.191 | NA | NA | NA | 101.9 |
| | 13C3-PFBA | NIS | 0.60 | 216.0 / 172.0 | 563998 | | 3.891 | NA | NA | NA | 77.8 |
| | 13C2-PFHxA | NIS | 1.92 | 315.0 / 270.0 | 373765 | | 2.306 | NA | NA | NA | 92.2 |
| | 13C4-PFOA | NIS | 2.99 | 417.0 / 372.0 | 383195 | | 2.665 | NA | NA | NA | 106.6 |
| | 13C5-PFNA | NIS | 3.43 | 468.0 / 423.0 | 257767 | | 1.251 | NA | NA | NA | 100.1 |
| | 13C2-PFDA | NIS | 3.85 | 515.1 / 470.1 | 247882 | | 1.166 | NA | NA | NA | 93.3 |
| | 18O2-PFHxS | NIS | 3.09 | 403.1 / 84.1 | 267211 | | 2.270 | NA | NA | NA | 95.8 |
| | 13C4-PFOS | NIS | 4.00 | 503.1 / 80.1 | 280158 | | 2.330 | NA | NA | NA | 97.1 |

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

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PFBA
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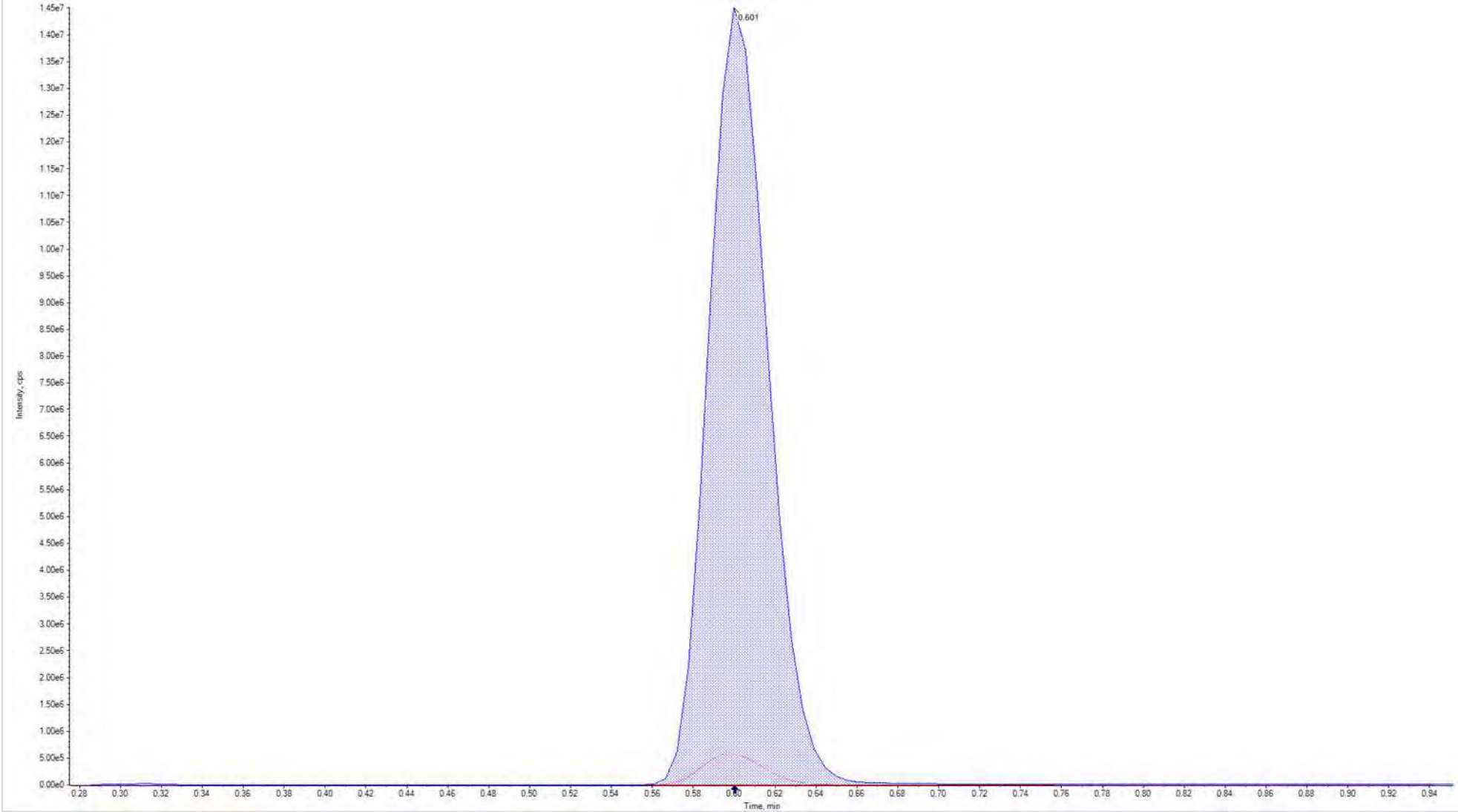

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PFPeA
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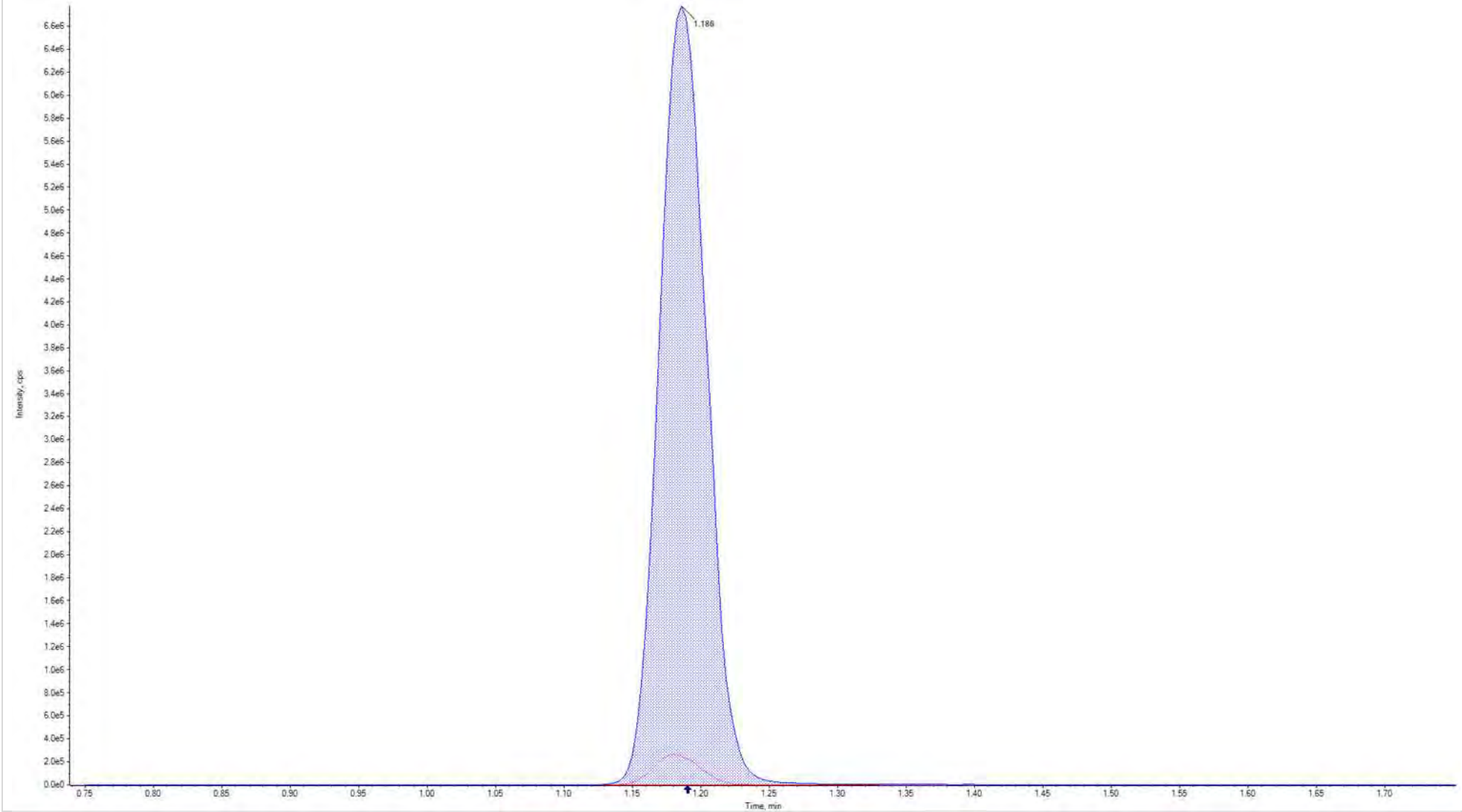

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PFPeA_2
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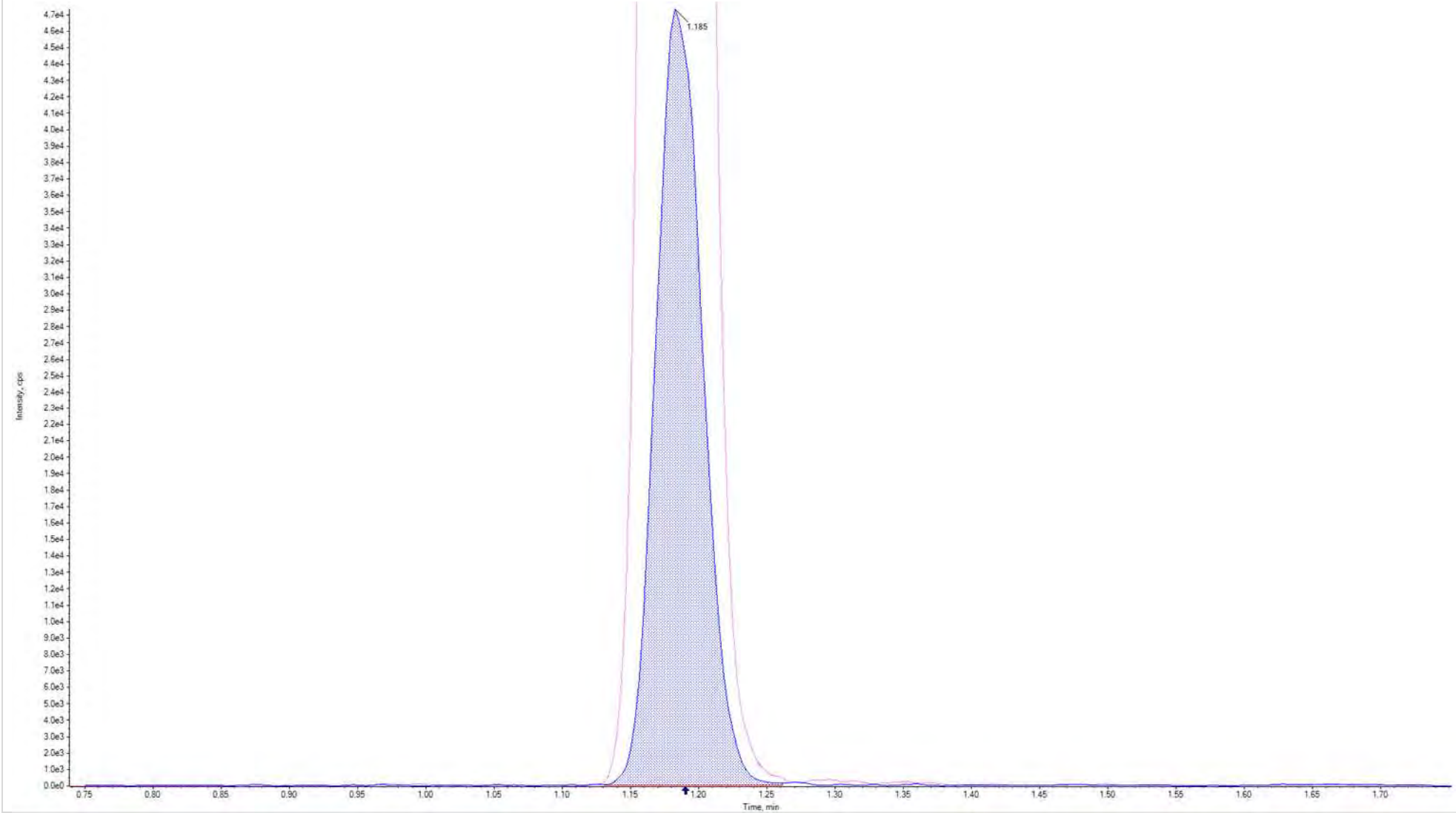

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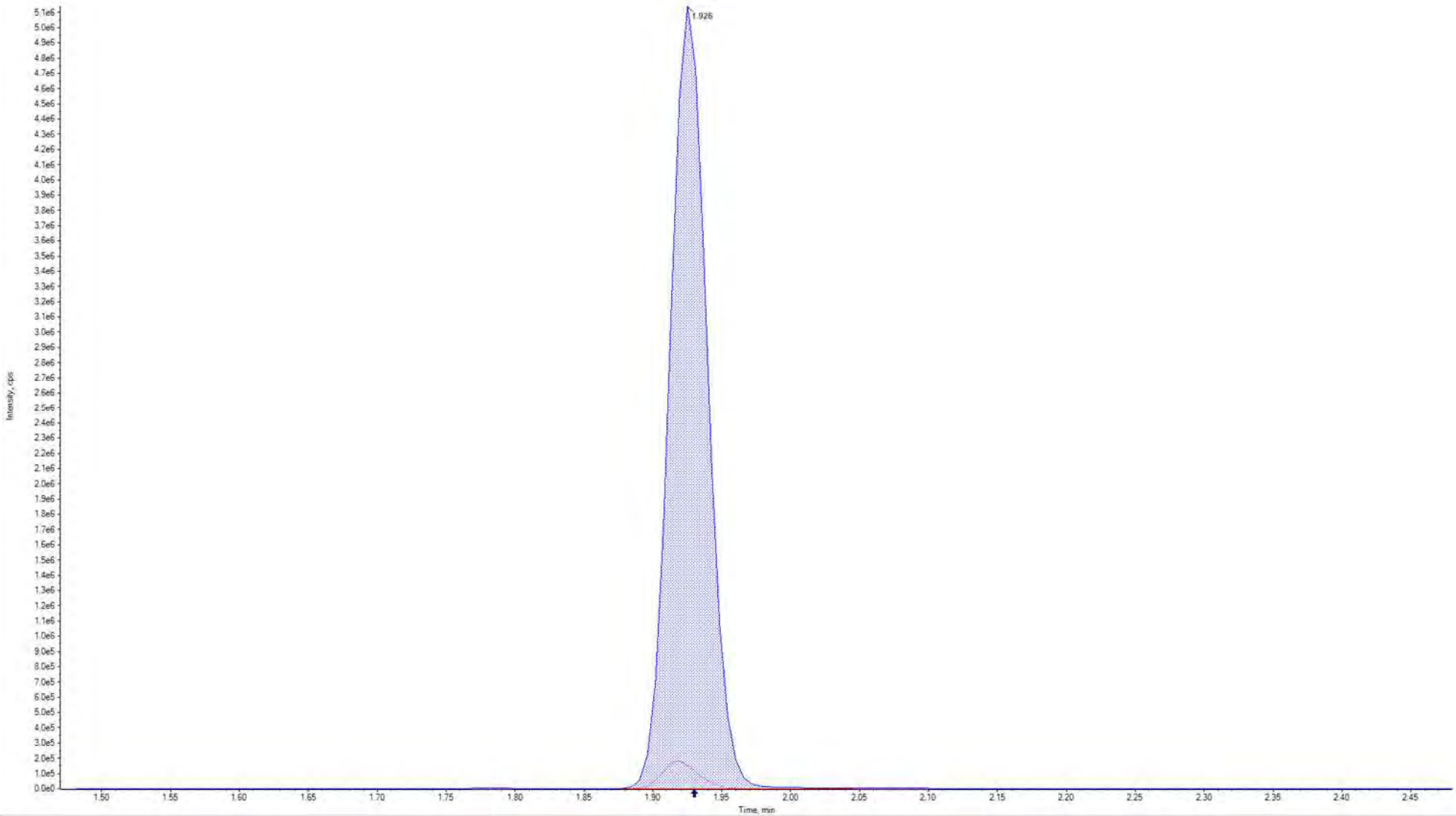
PFHxA
Sample: IA1633STD-62.5 S/N:10456.5 Points Across peak:33



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PFHxA_2
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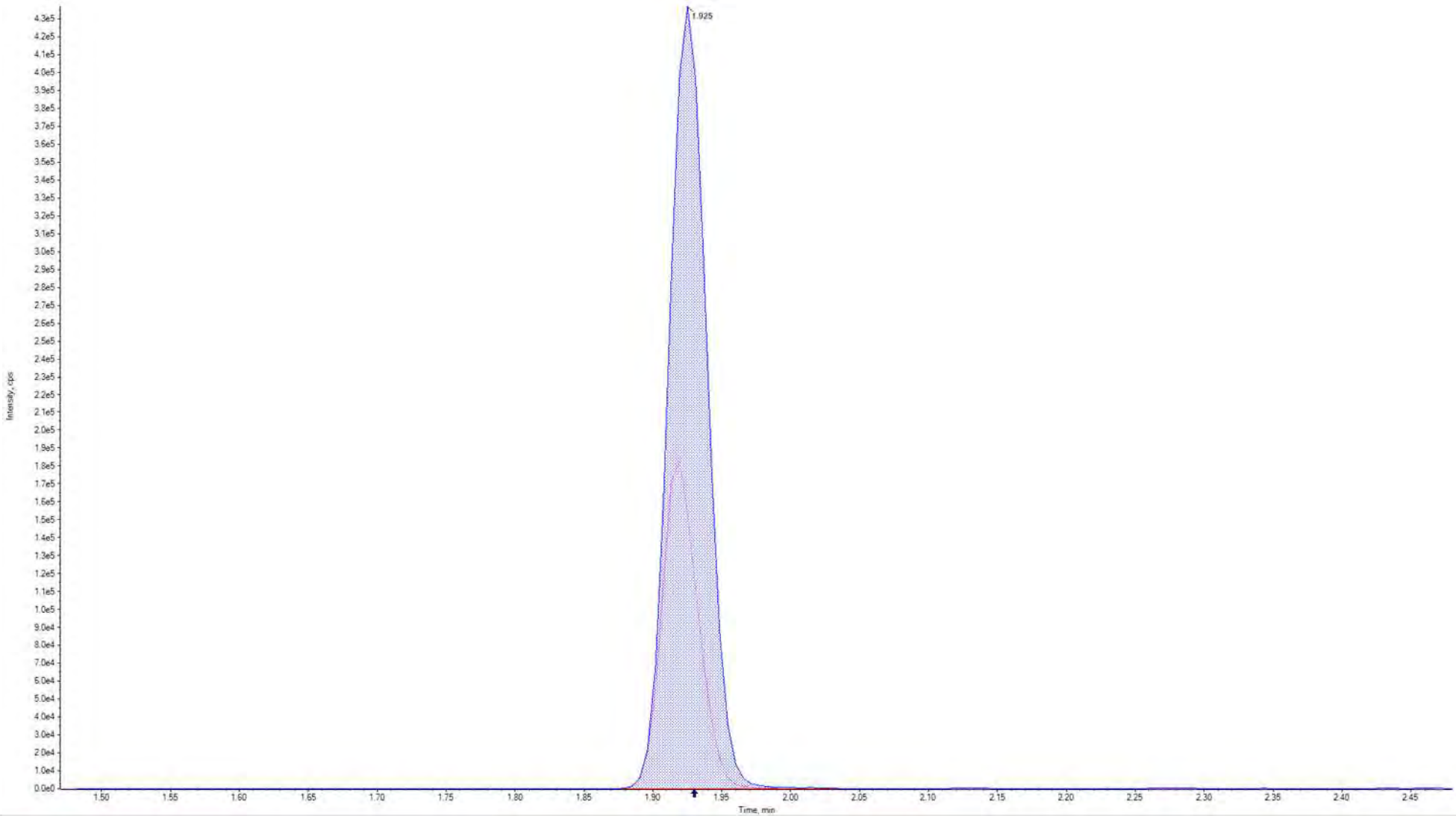

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PFHpA
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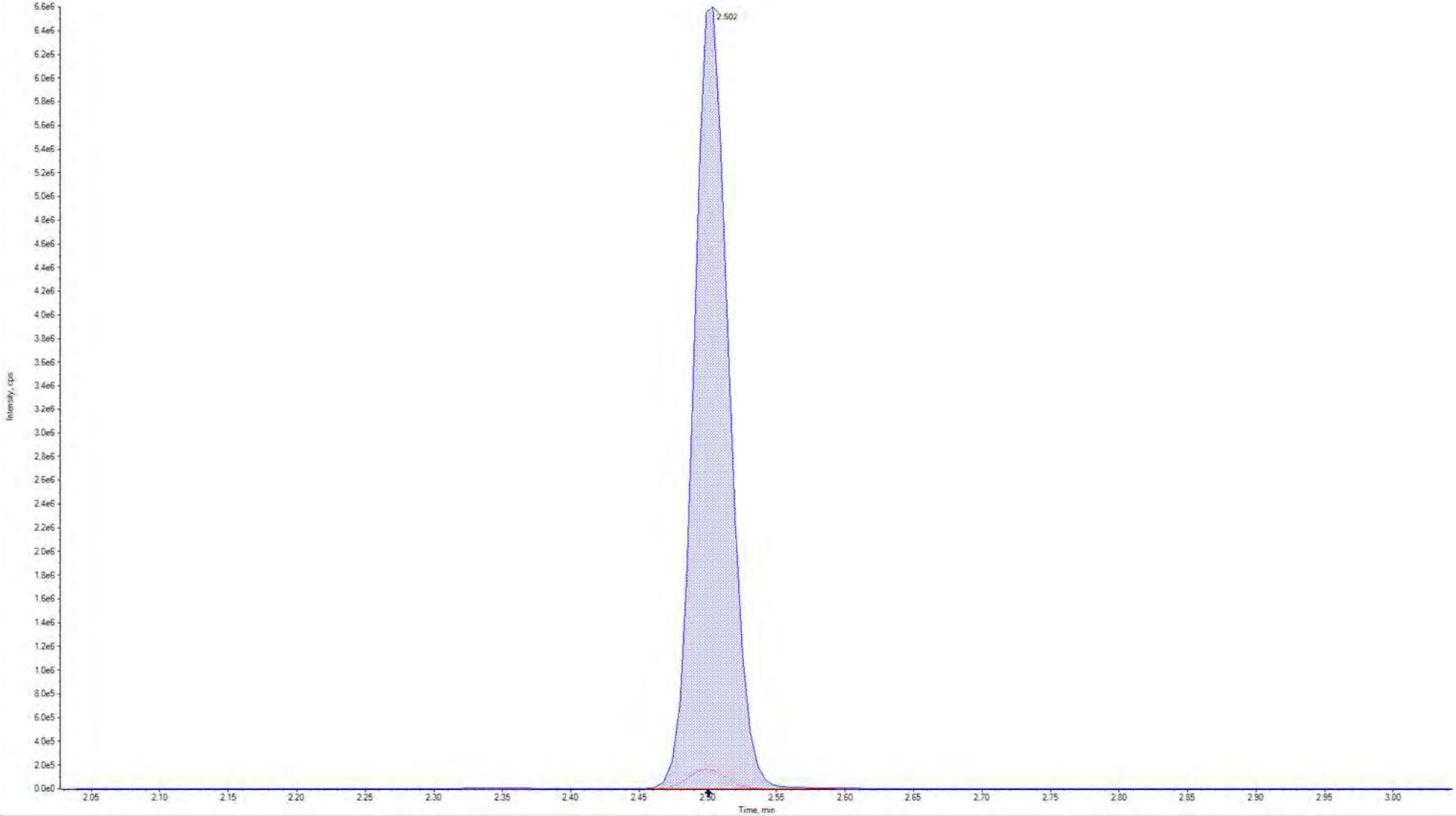

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PFHpA_2
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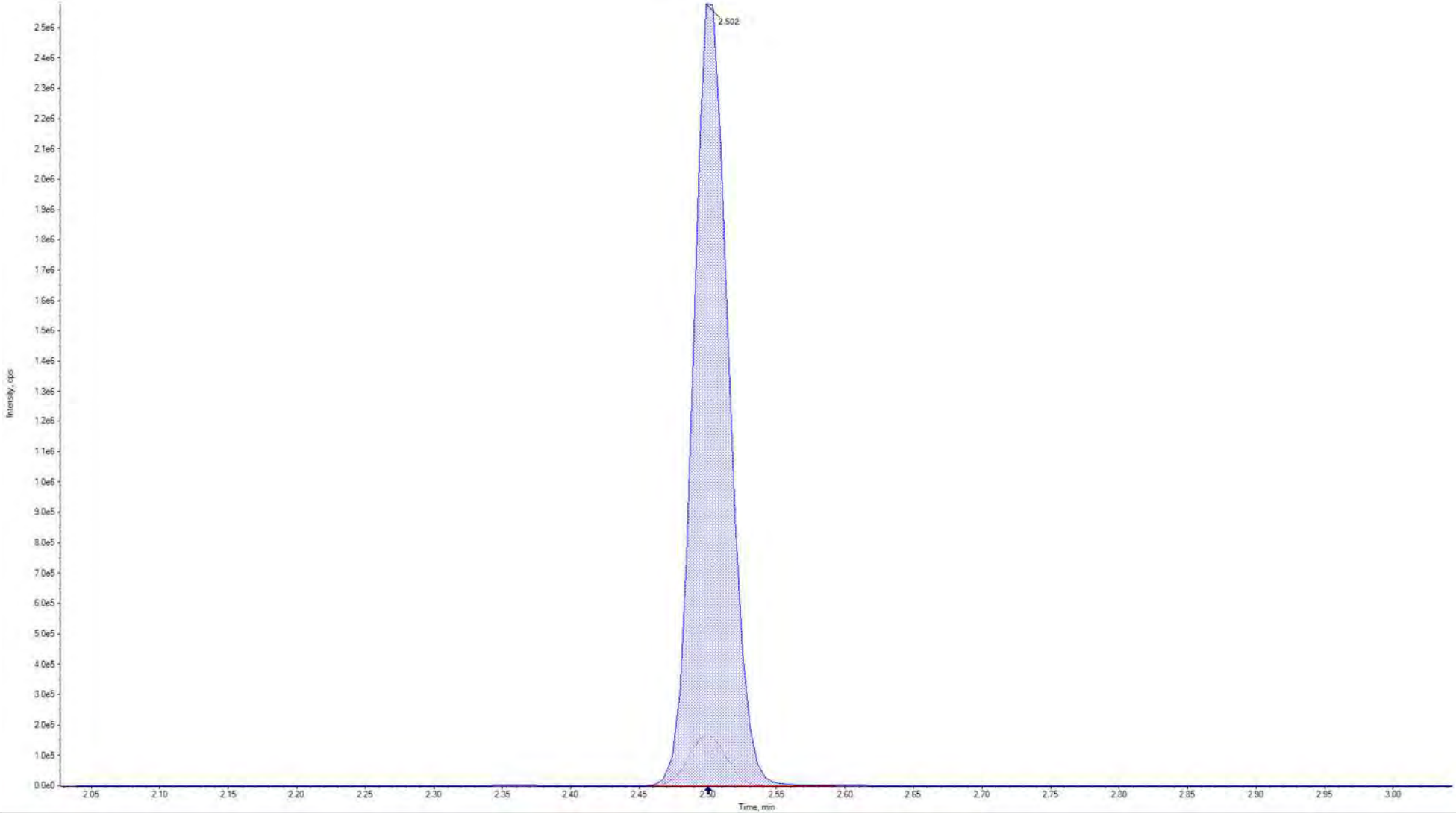

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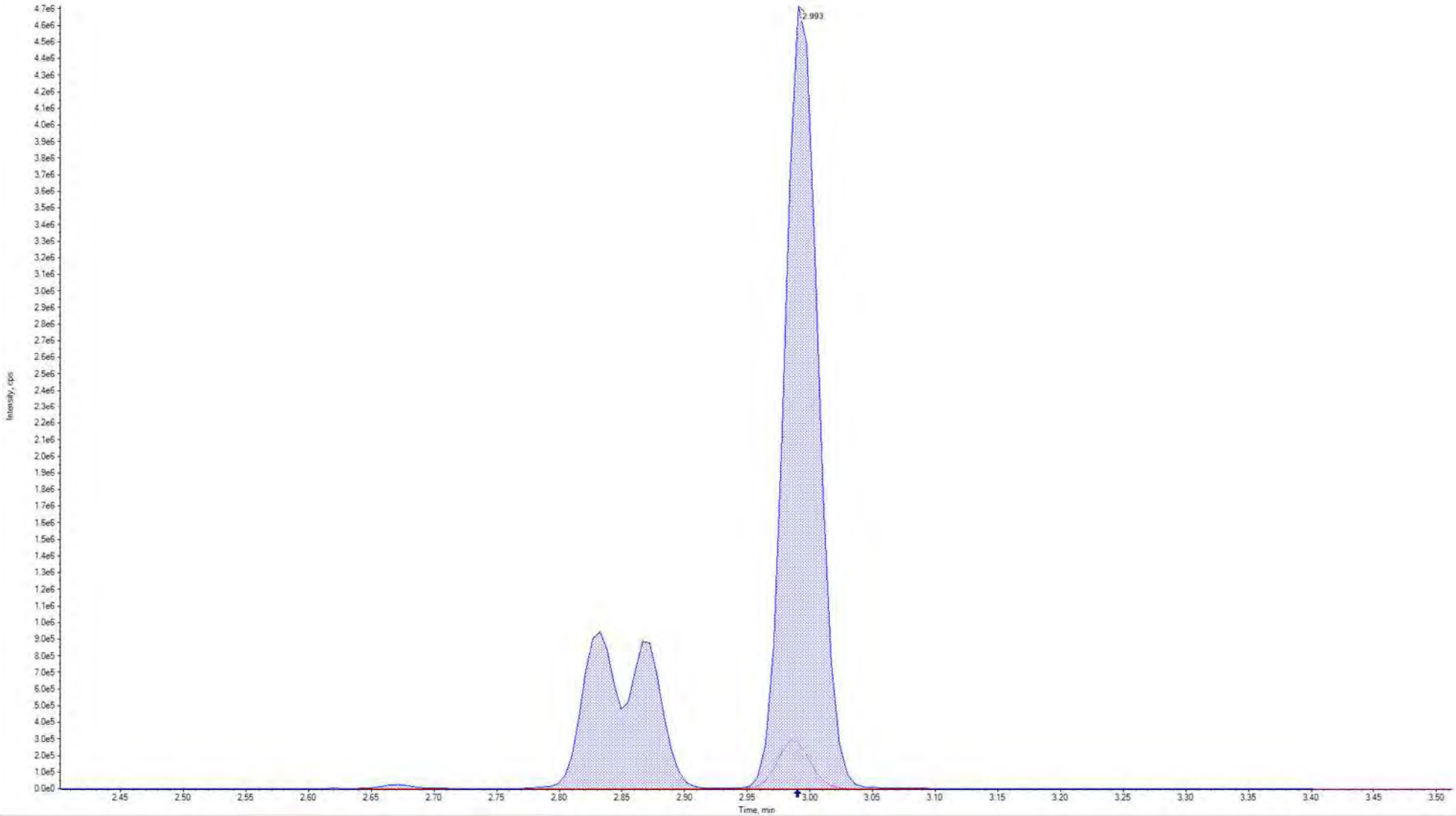
PFOA
Sample: IA1633STD-62.5 S/N:874.1 Points Across peak:80



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PFOA_2
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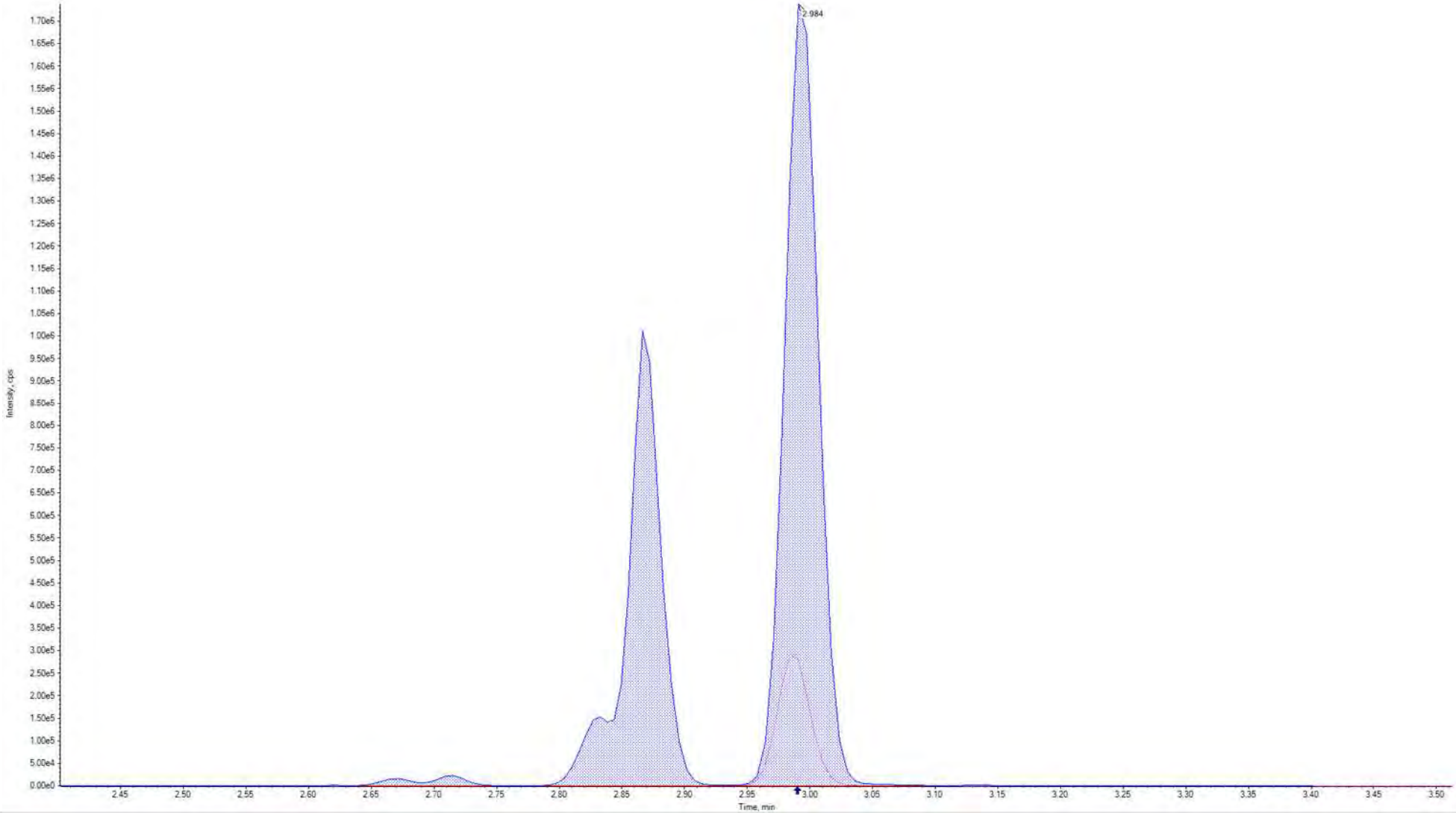

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PFNA
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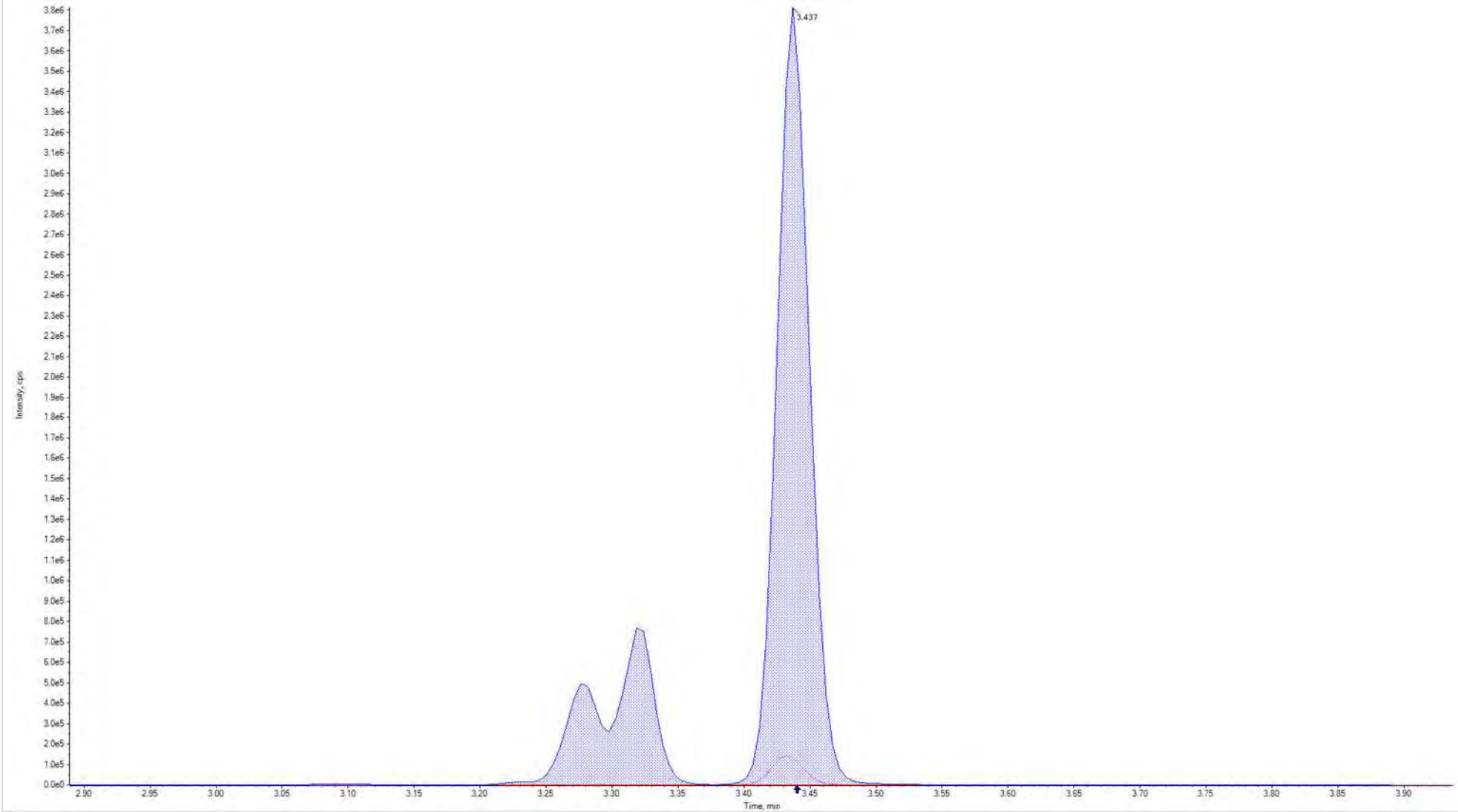

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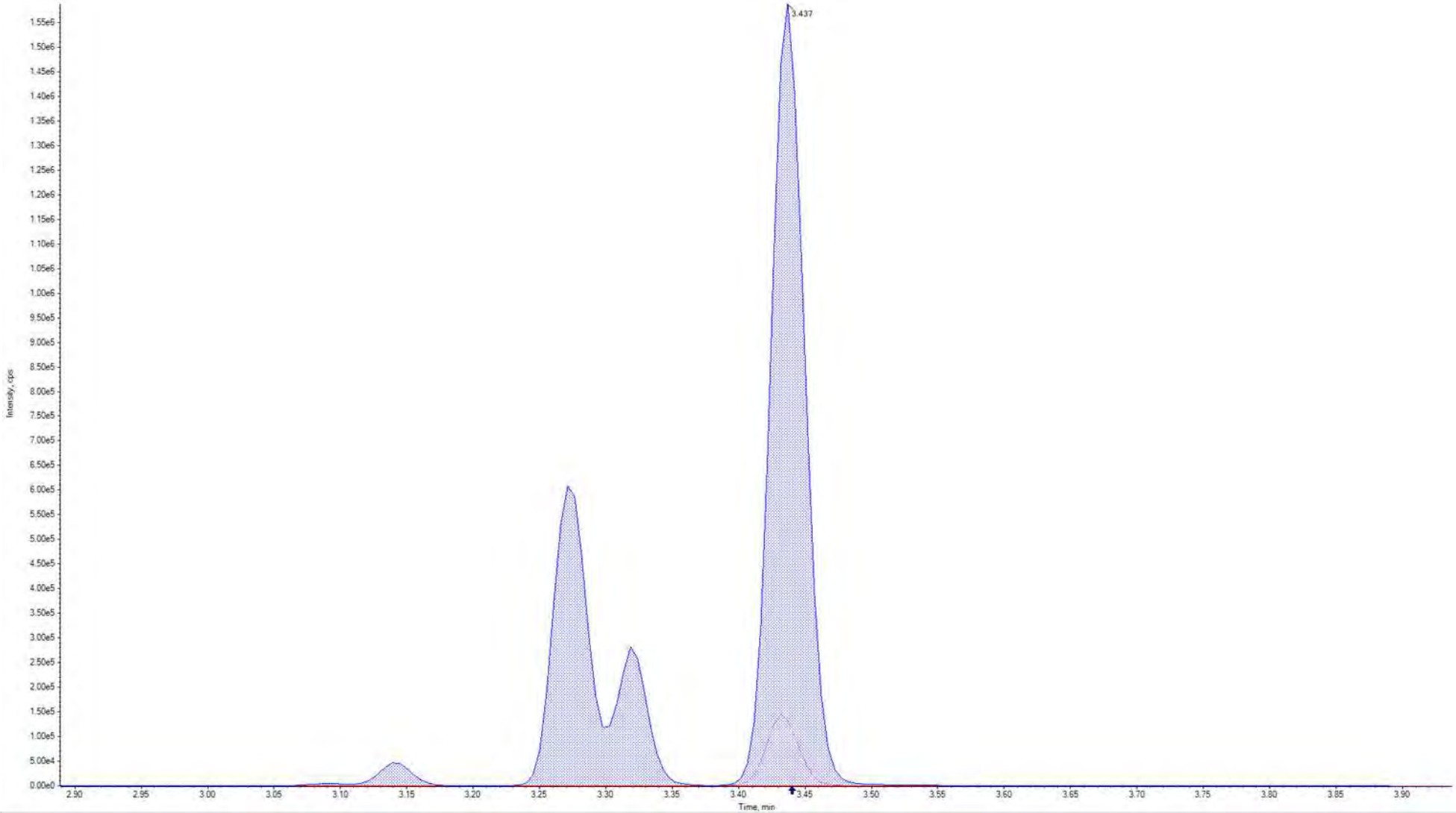

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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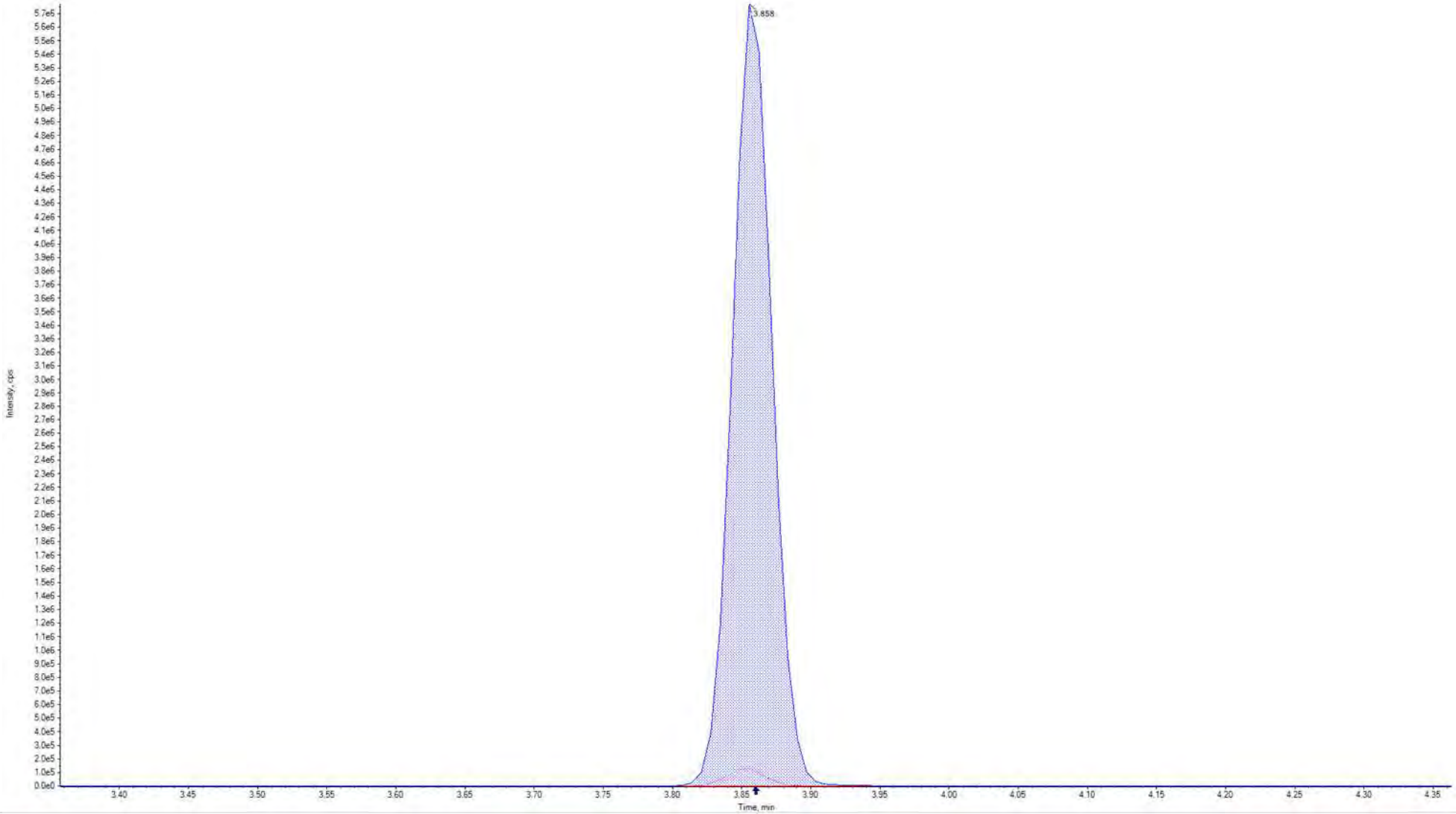
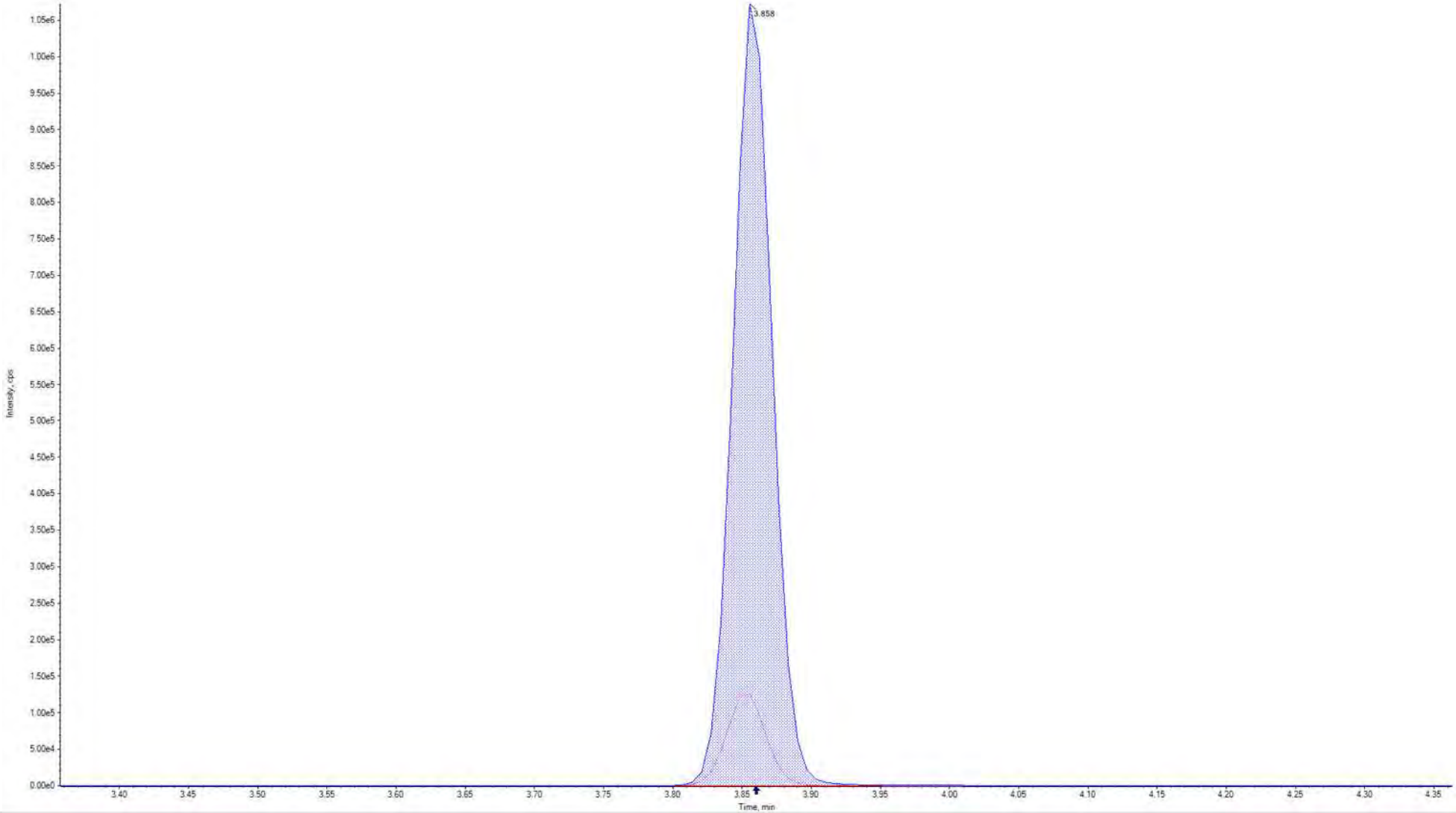
PFDA
Sample: IA1633STD-62.5 S/N:108690.3 Points Across peak:28



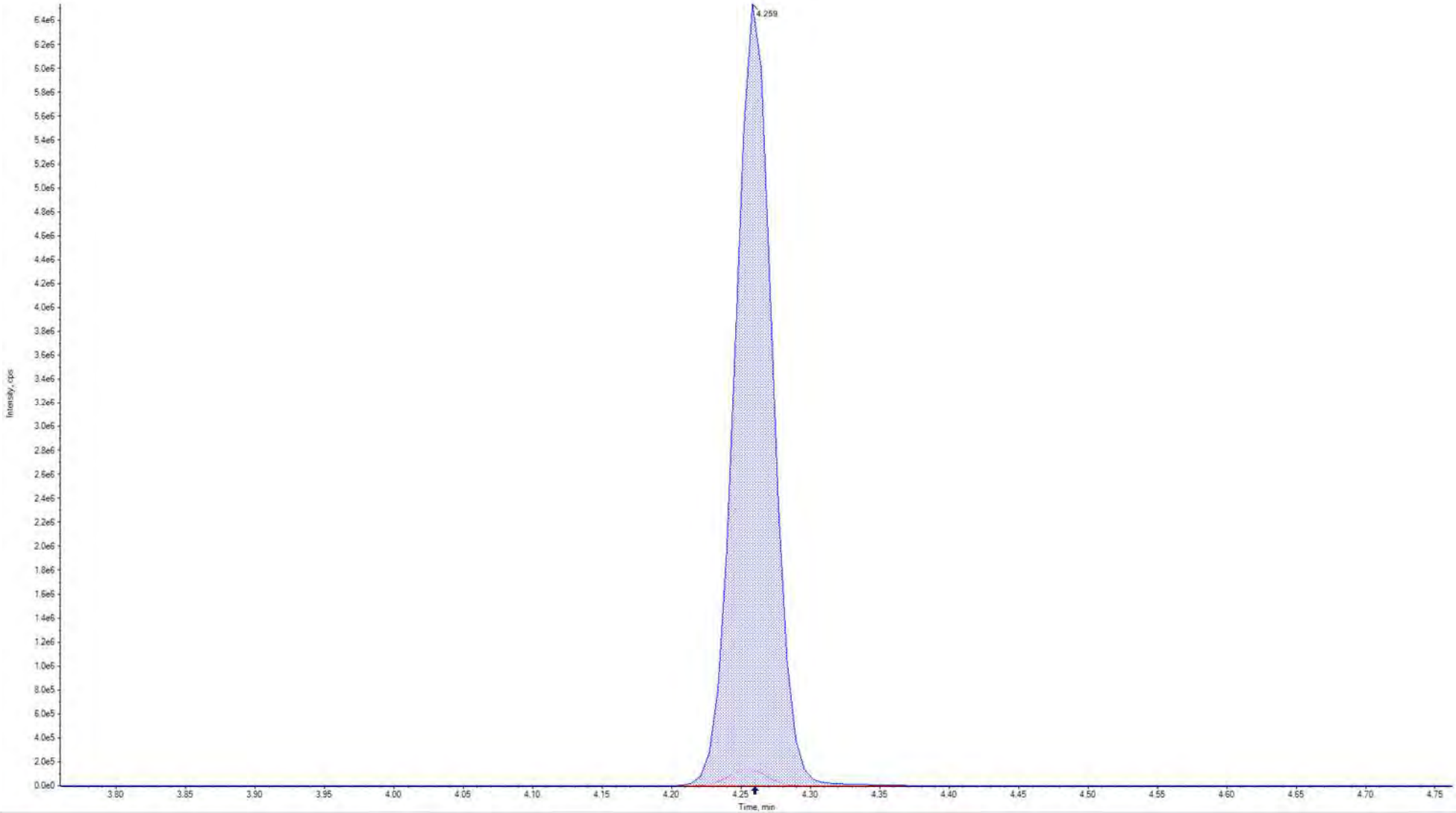
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDA_2
Sample: IA1633STD-62.5 S/N:6160.0 Points Across peak:25



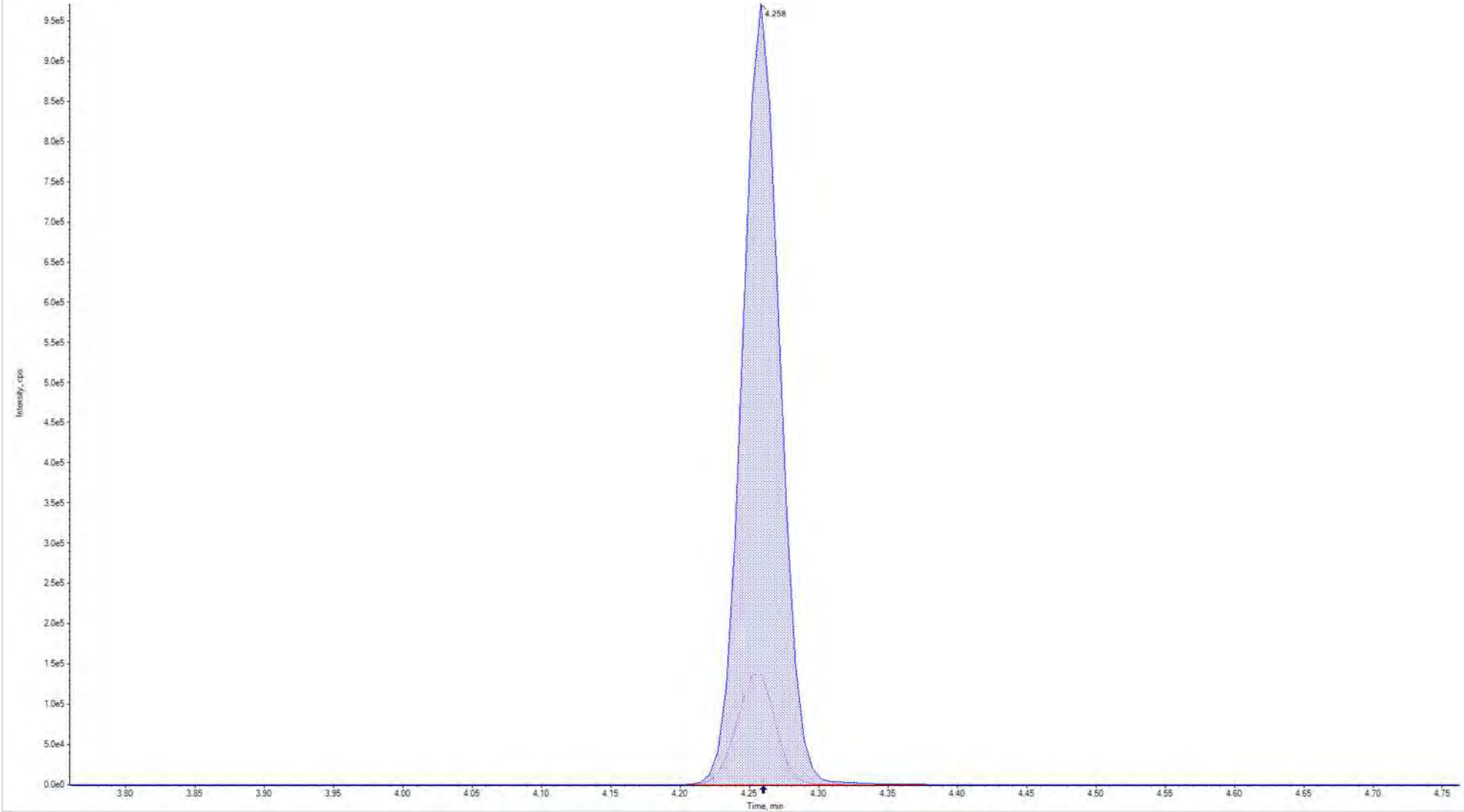
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFUnA
Sample: IA1633STD-62.5 S/N:30023.2 Points Across peak:36



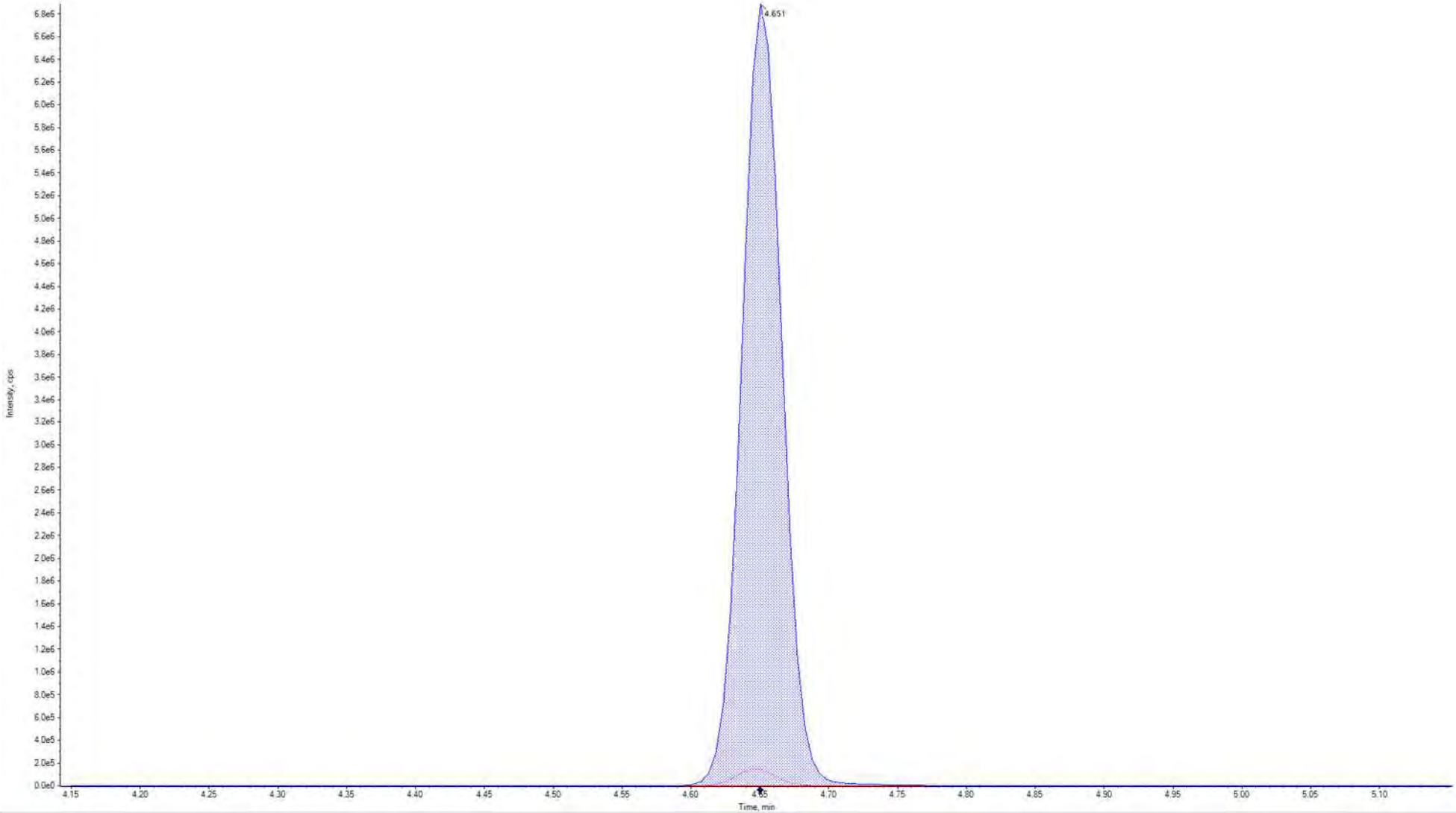
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFUnA_2
Sample: IA1633STD-62.5 S/N:5061.0 Points Across peak:36



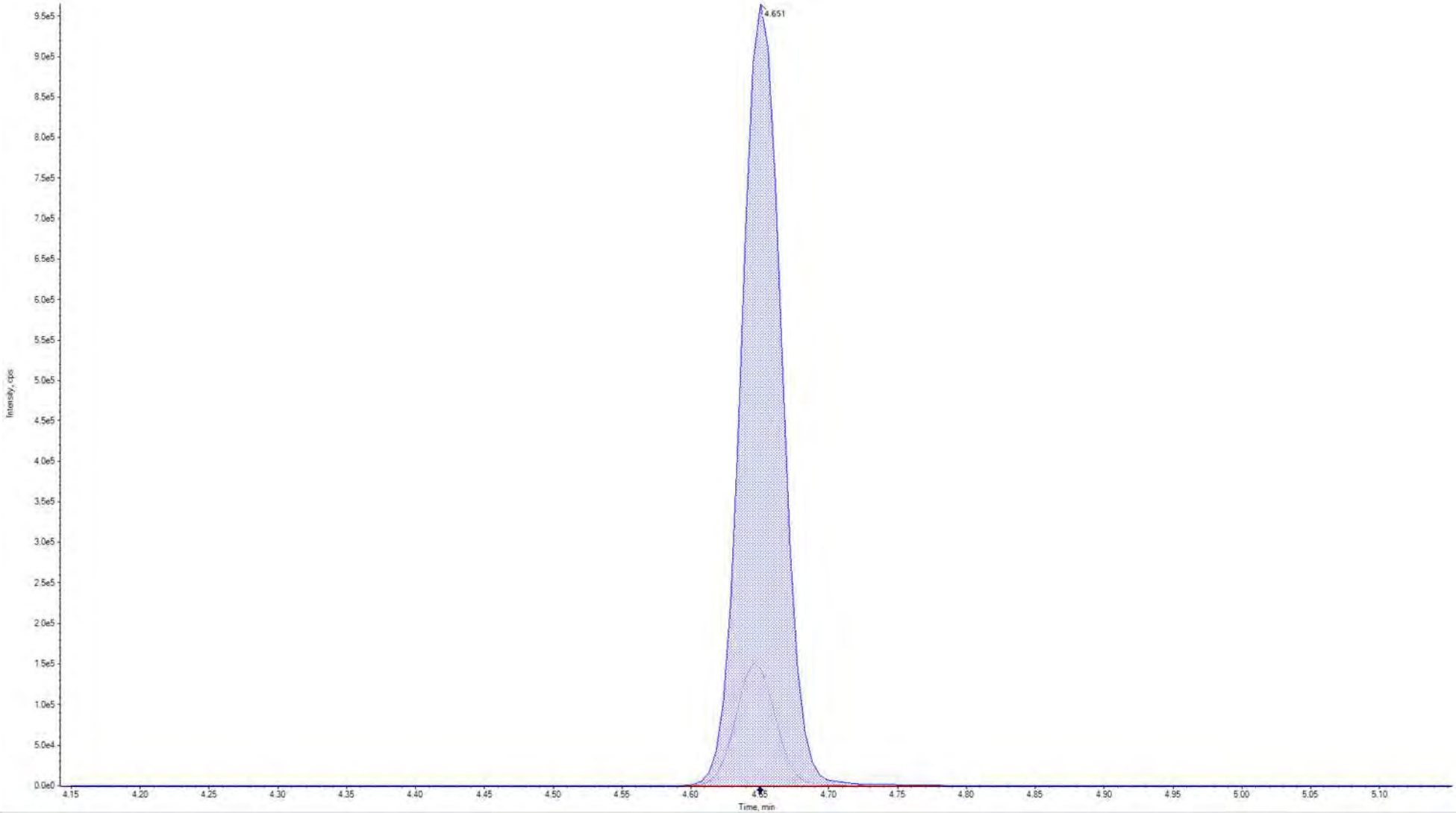
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoA
Sample: IA1633STD-62.5 S/N:189932.3 Points Across peak:38



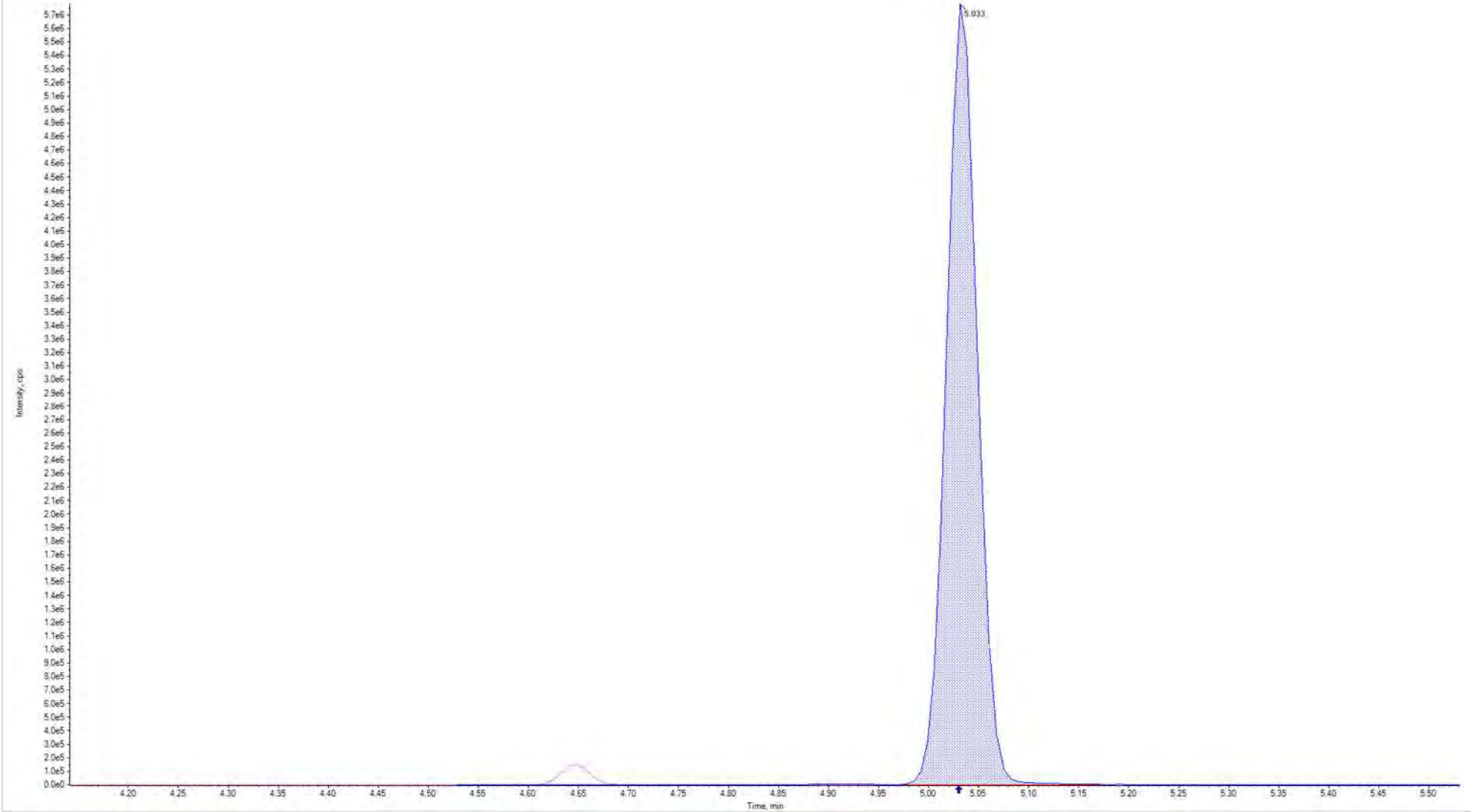
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoA_2
Sample: IA1633STD-62.5 S/N:7118.9 Points Across peak:40



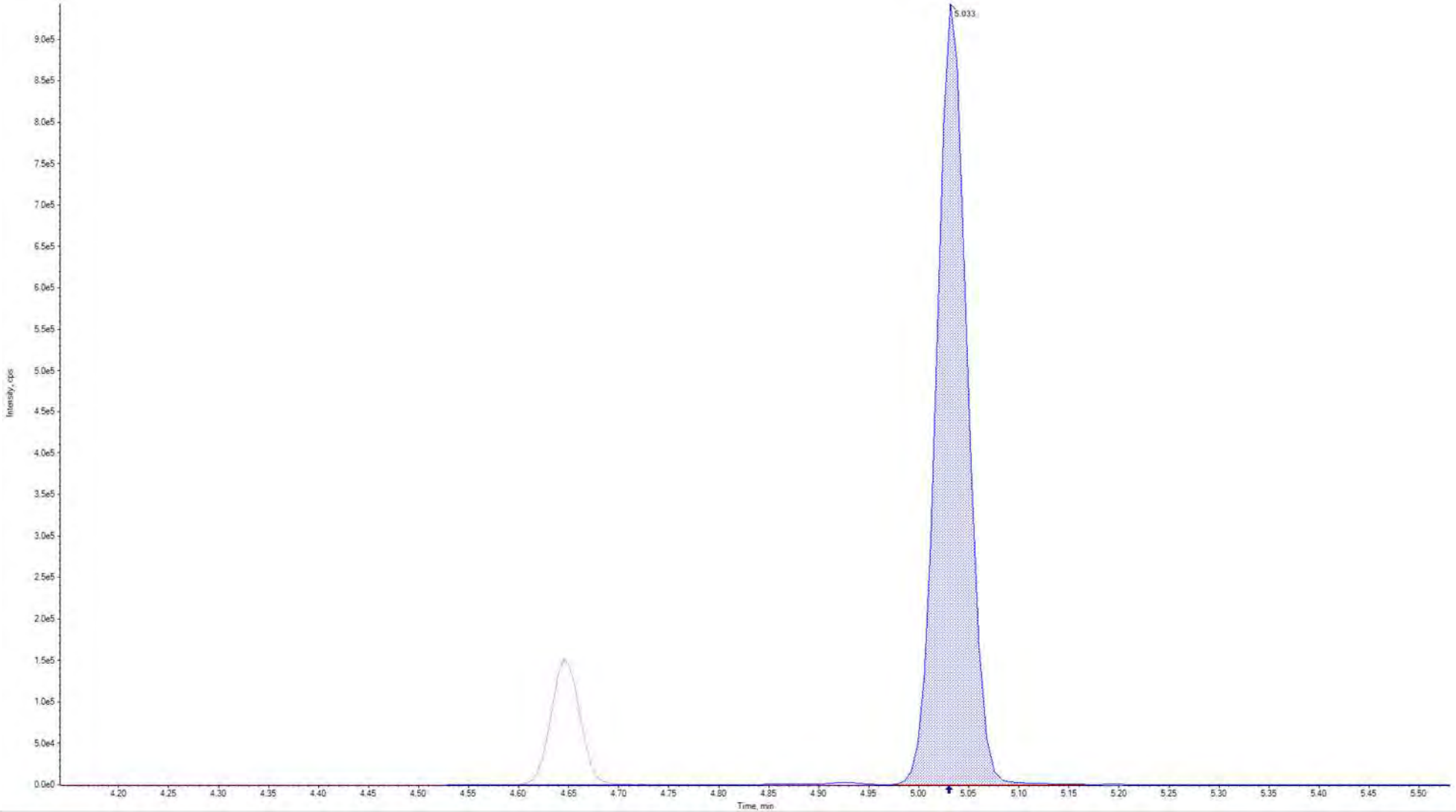
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFTrDA
Sample: IA1633STD-62.5 S/N:24768.7 Points Across peak:32



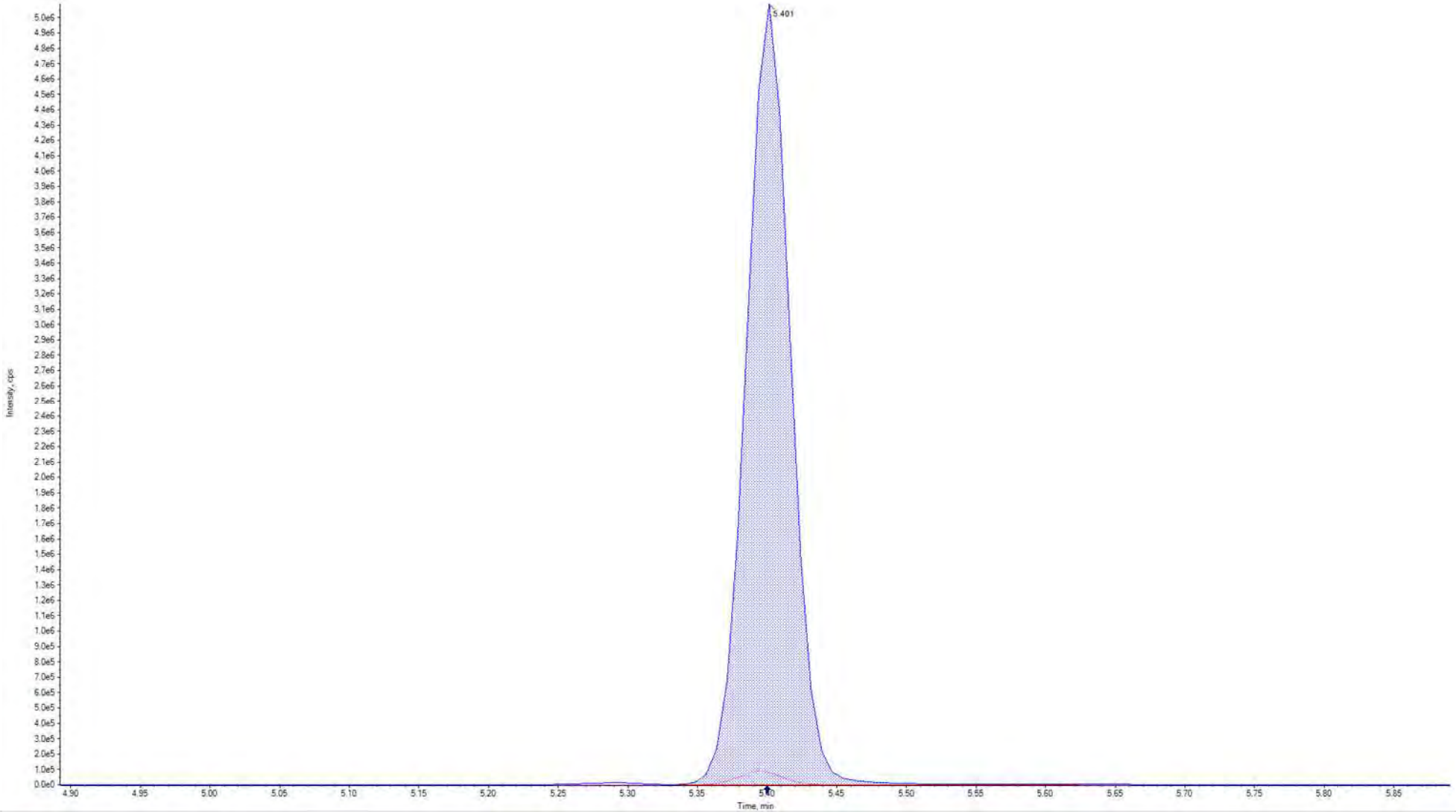
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFTrDA_2
Sample: IA1633STD-62.5 S/N:2941.3 Points Across peak:30



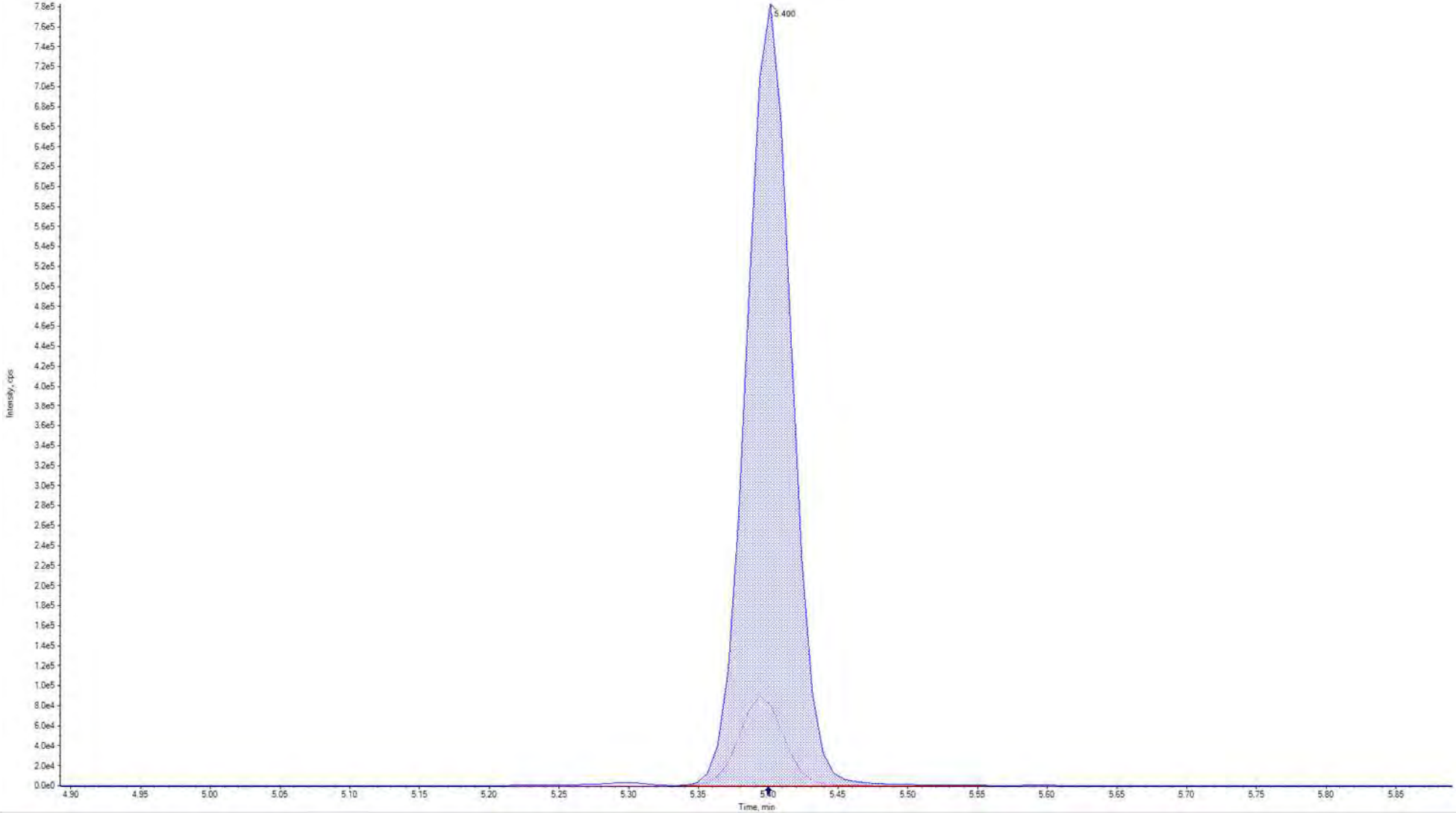
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFTeDA
Sample: IA1633STD-62.5 S/N:11542.0 Points Across peak:36



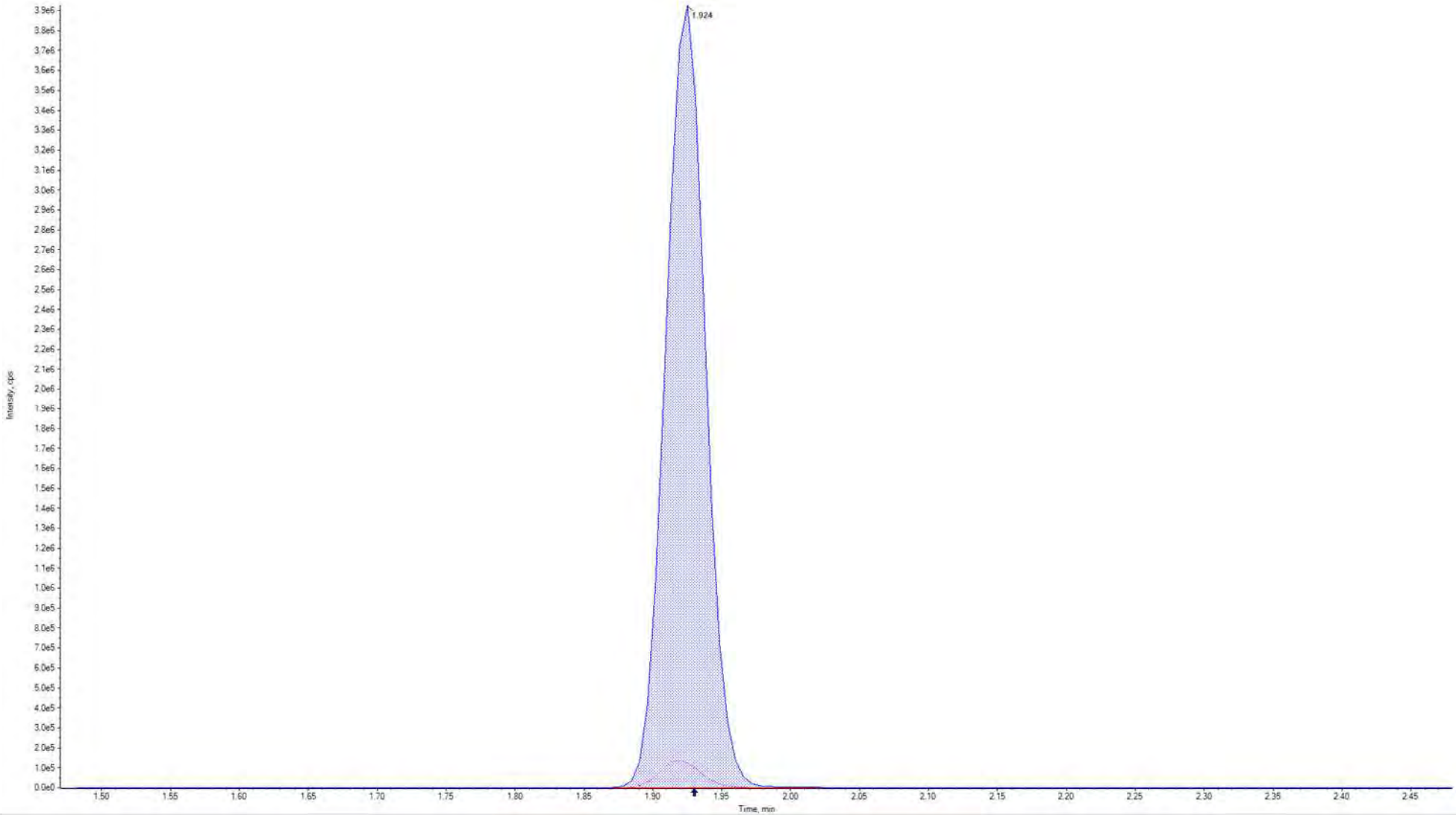
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFTeDA_2
Sample: IA1633STD-62.5 S/N:49052.9 Points Across peak:30



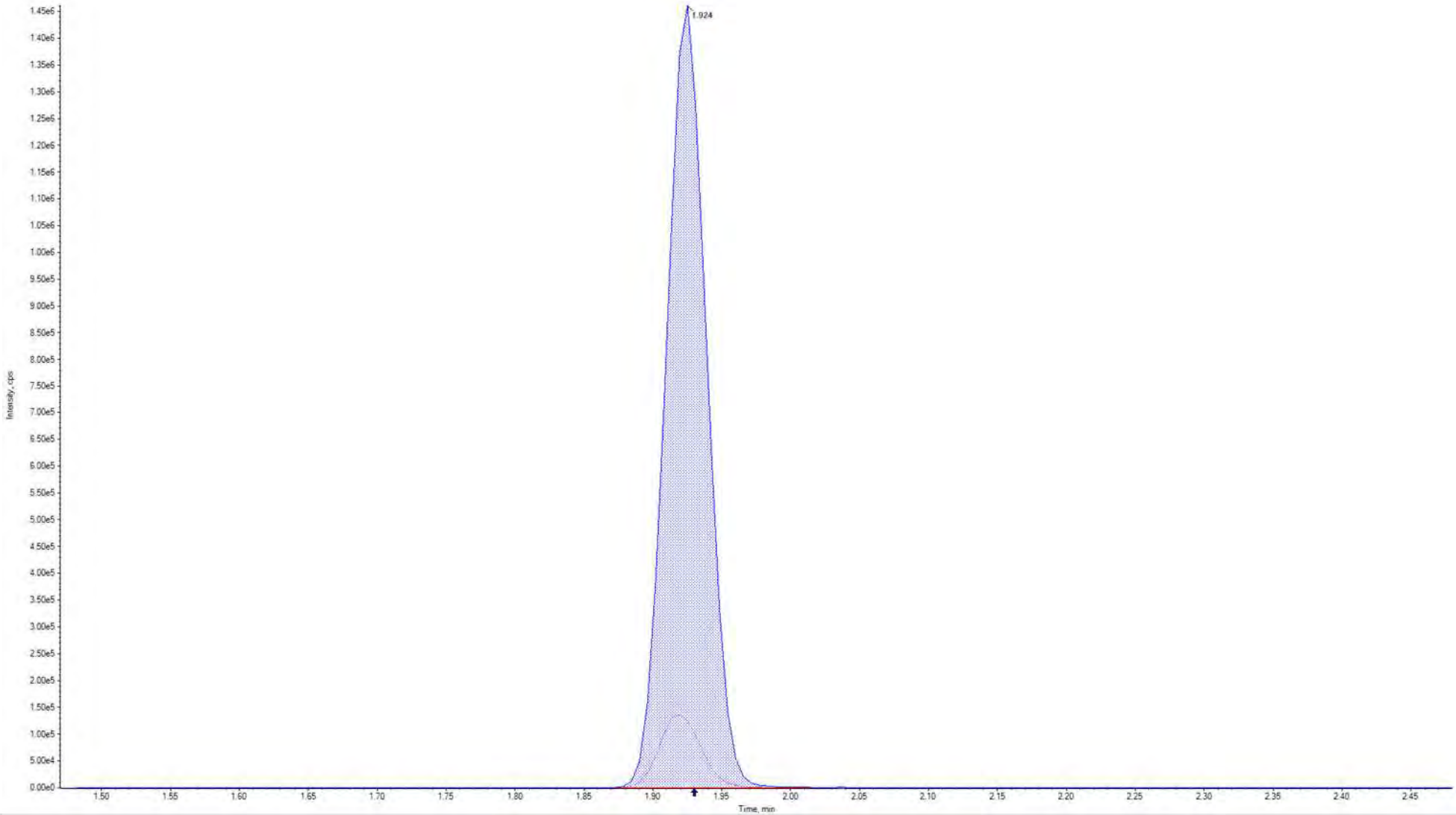
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFBS
Sample: IA1633STD-62.5 S/N:6794.6 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFBS_2
Sample: IA1633STD-62.5 S/N:36627.5 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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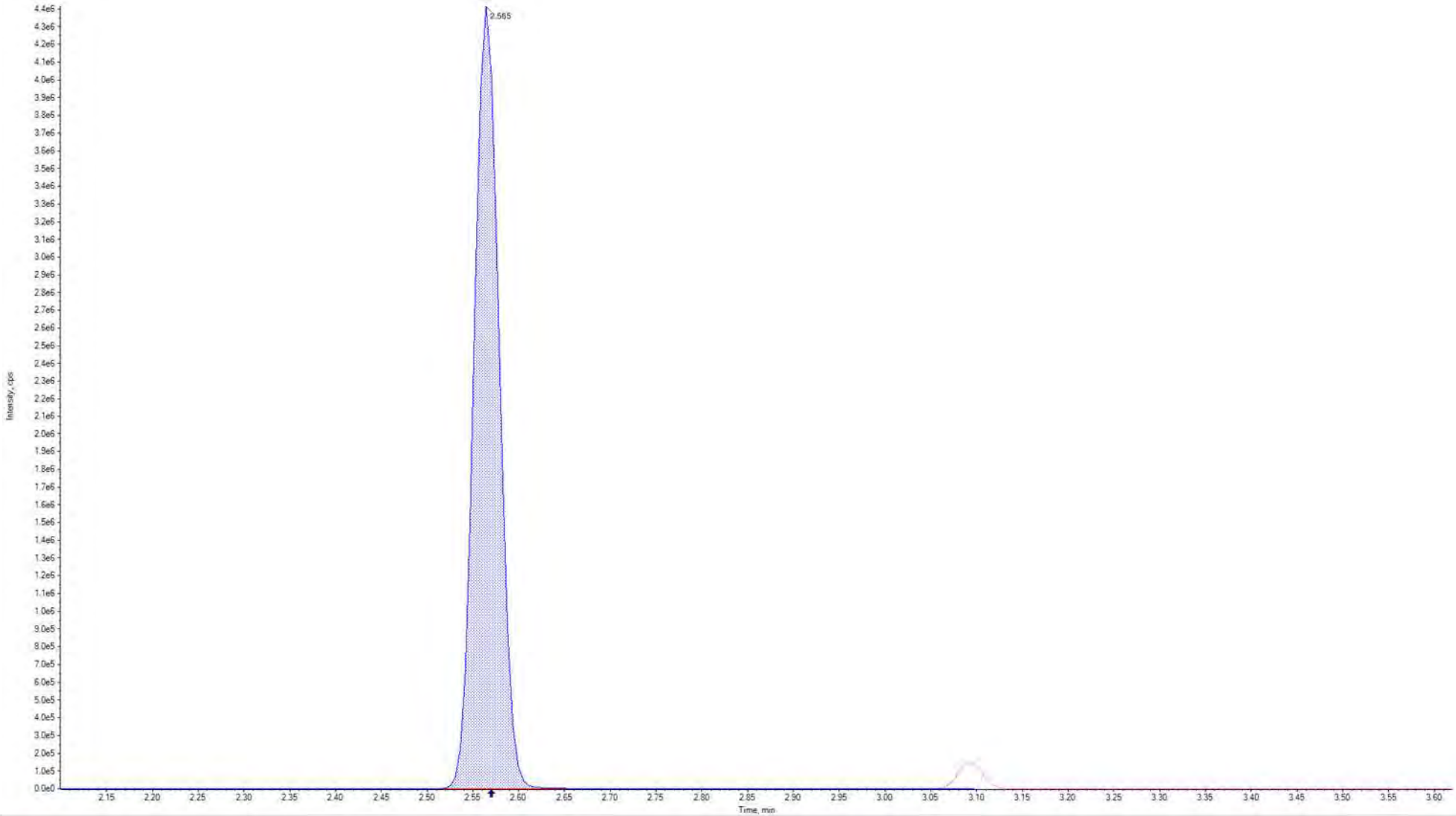
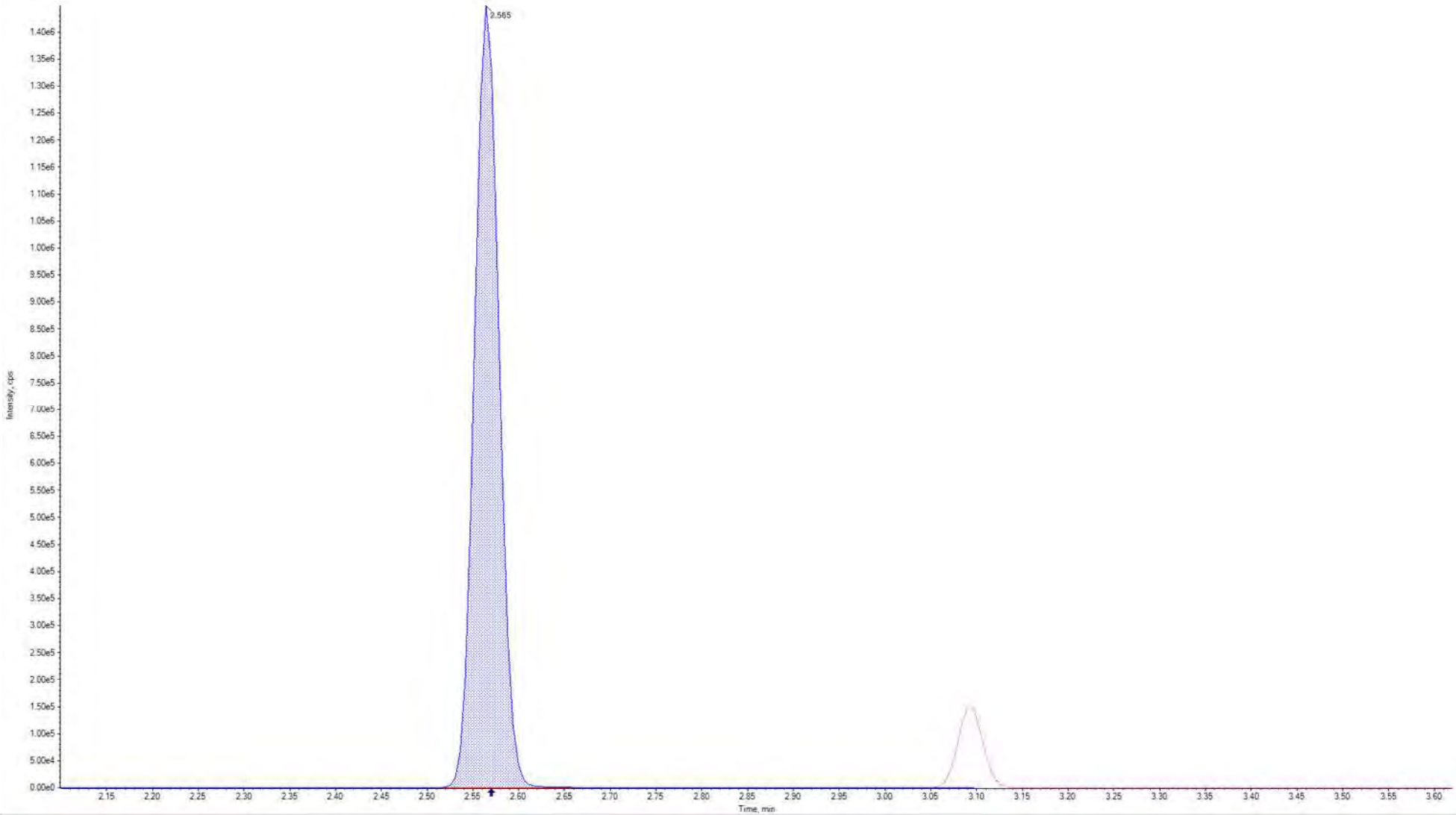
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFPeS
Sample: IA1633STD-62.5 S/N:88544.8 Points Across peak:32



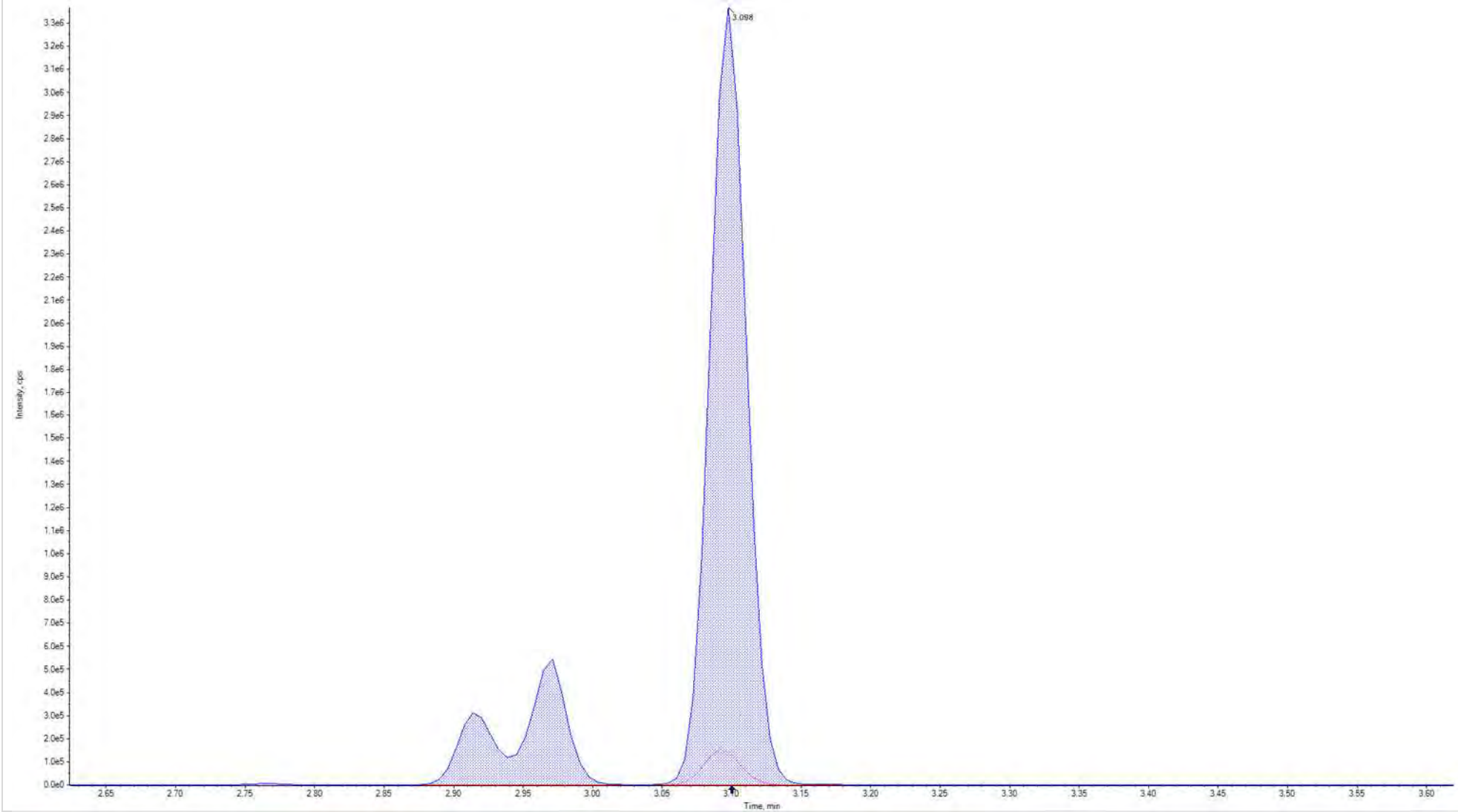
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFPeS_2
Sample: IA1633STD-62.5 S/N:5582.8 Points Across peak:39



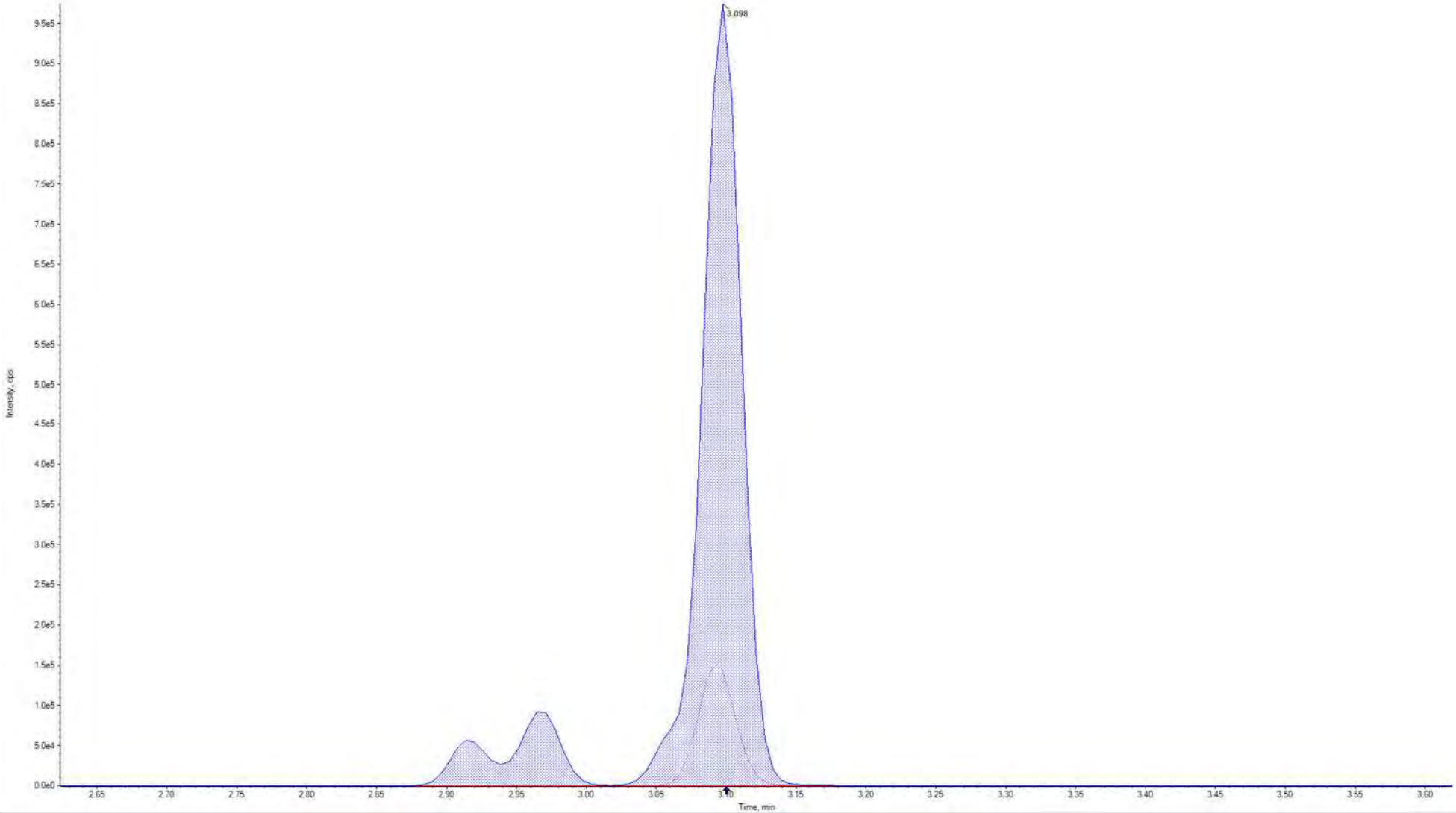
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHxS
Sample: IA1633STD-62.5 S/N:1153.8 Points Across peak:56



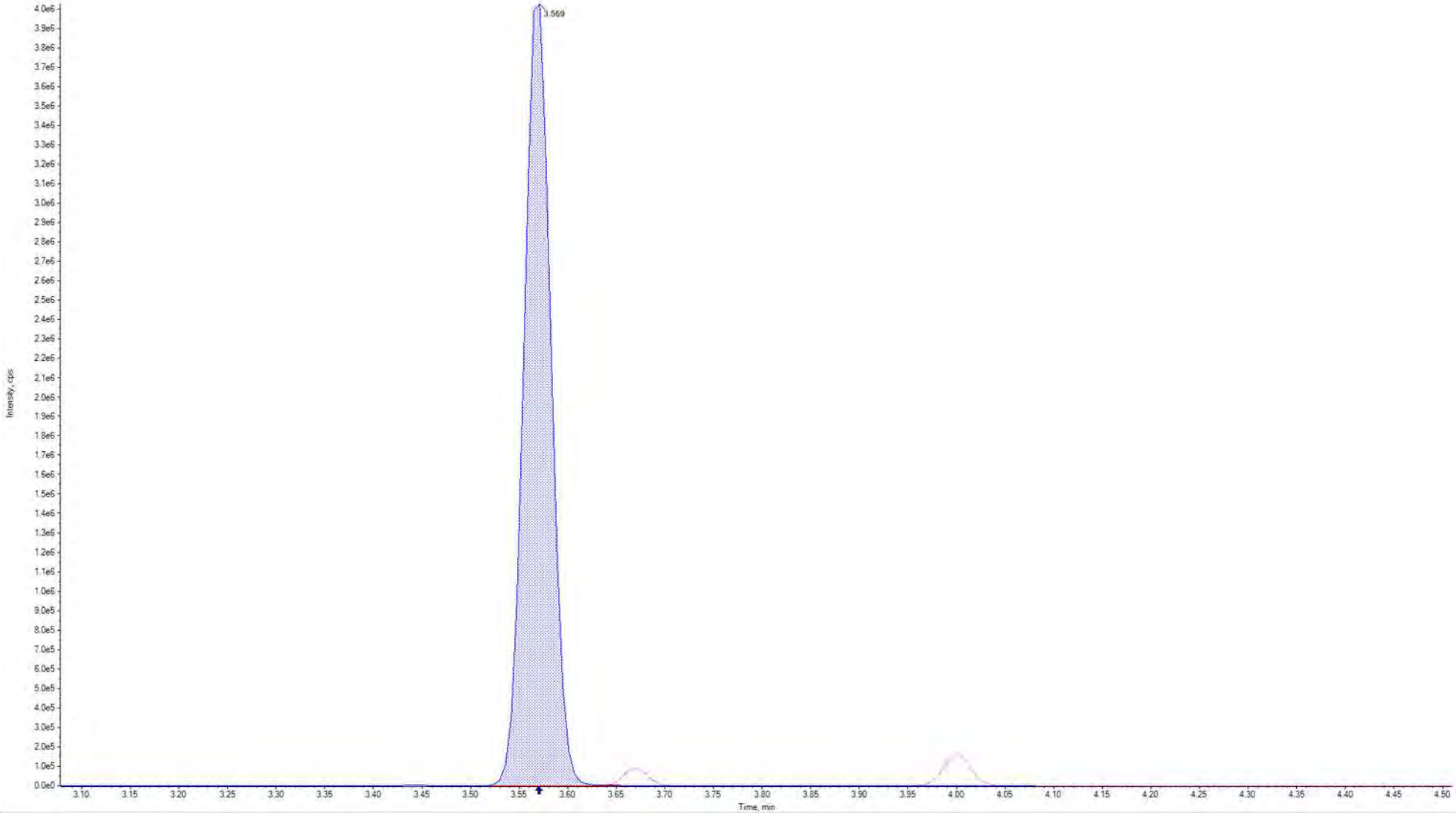
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHxS_2
Sample: IA1633STD-62.5 S/N:1599.5 Points Across peak:65



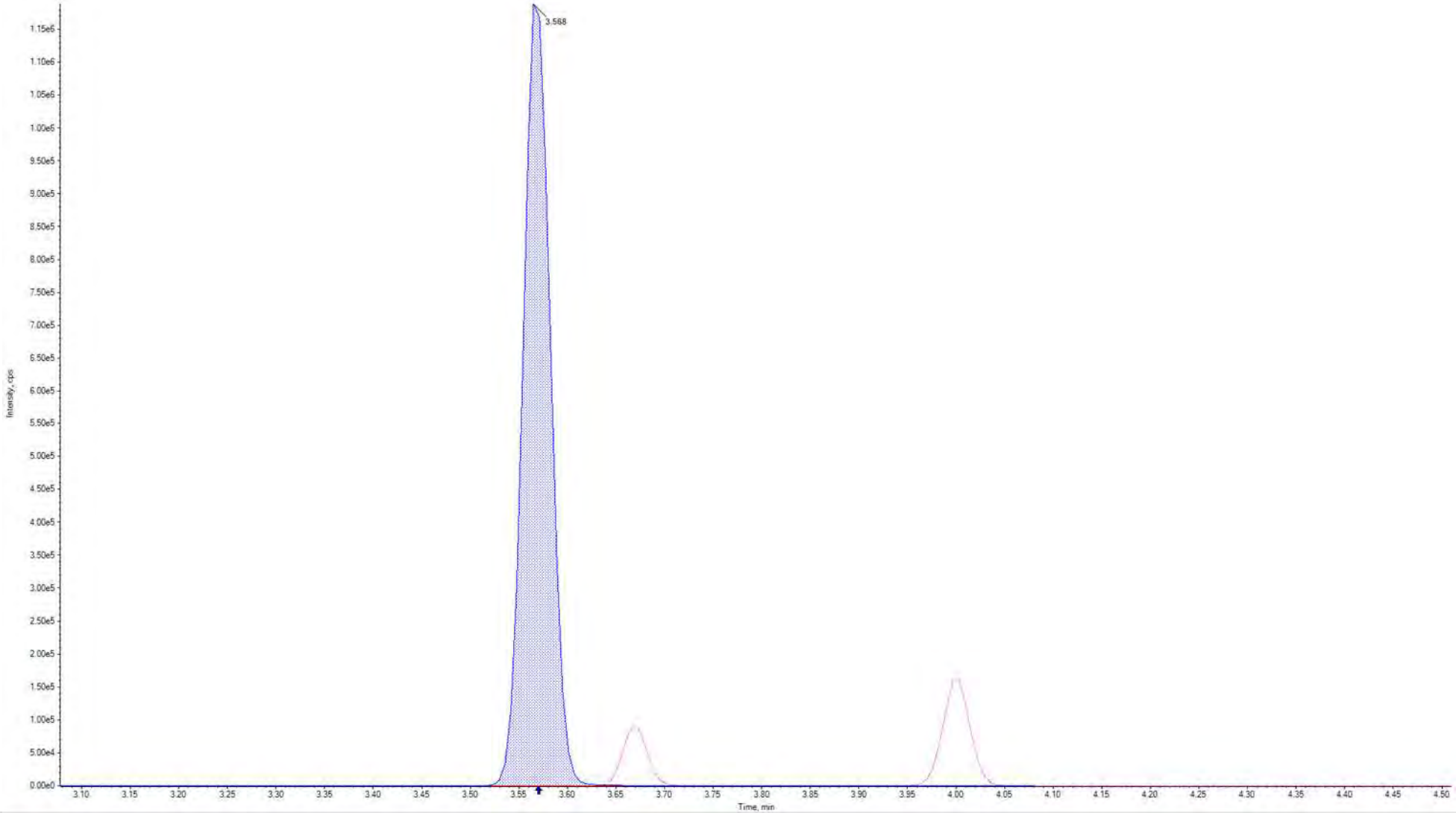
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHpS
Sample: IA1633STD-62.5 S/N:9180.9 Points Across peak:39



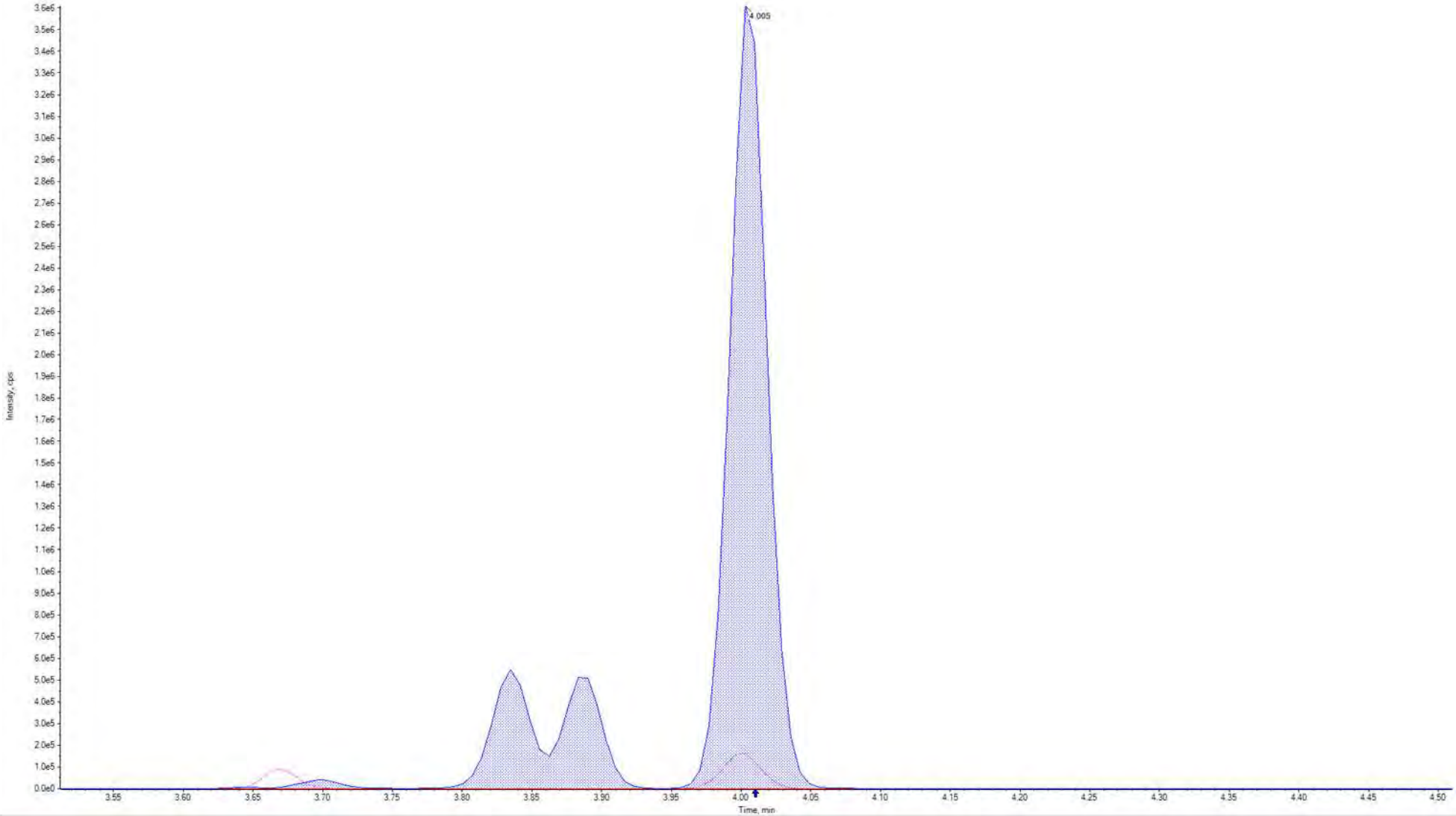
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFHpS_2
Sample: IA1633STD-62.5 S/N:9678.9 Points Across peak:34



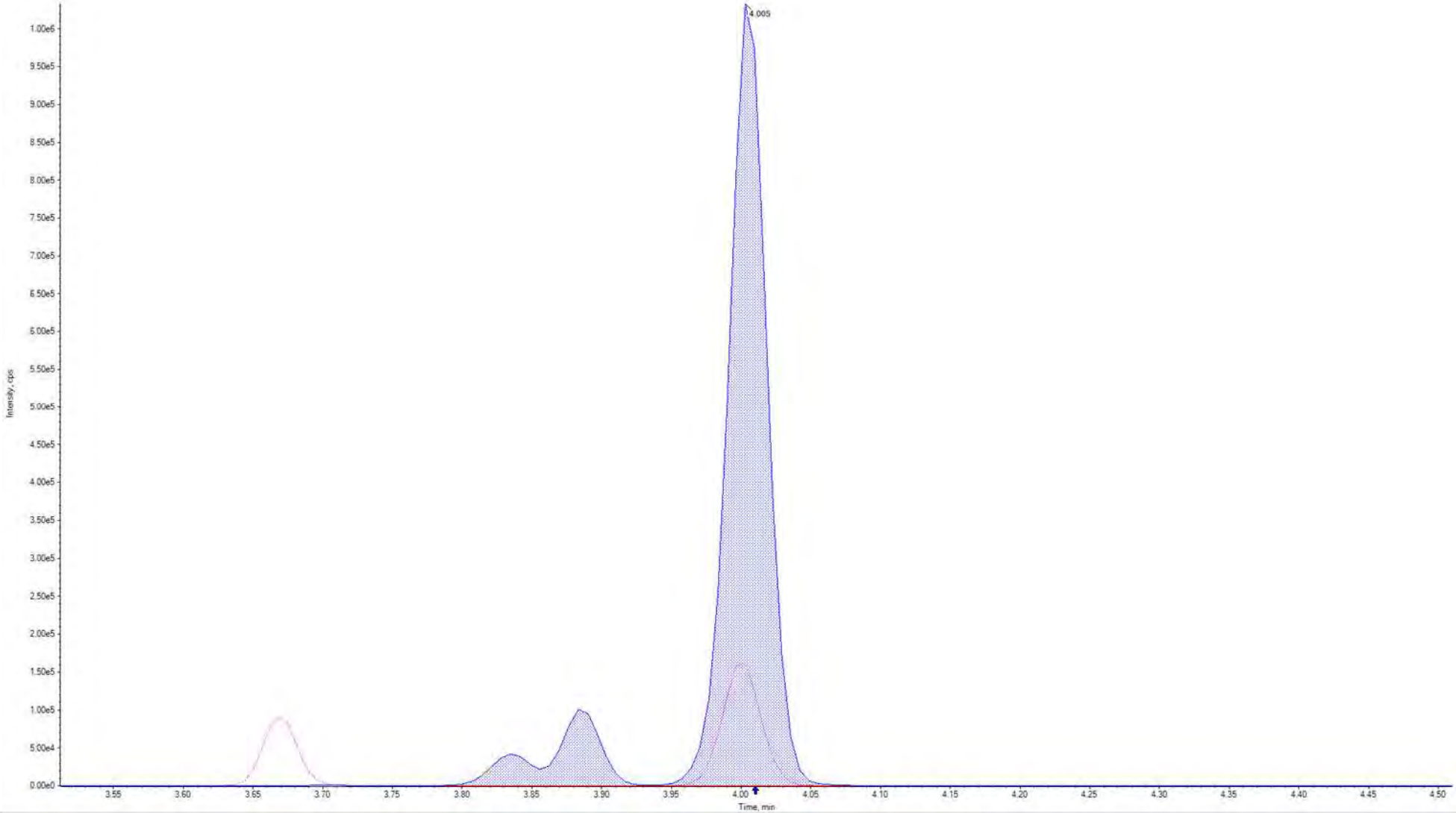
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOS
Sample: IA1633STD-62.5 S/N:599.1 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\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOS_2
Sample: IA1633STD-62.5 S/N:1419.0 Points Across peak:55



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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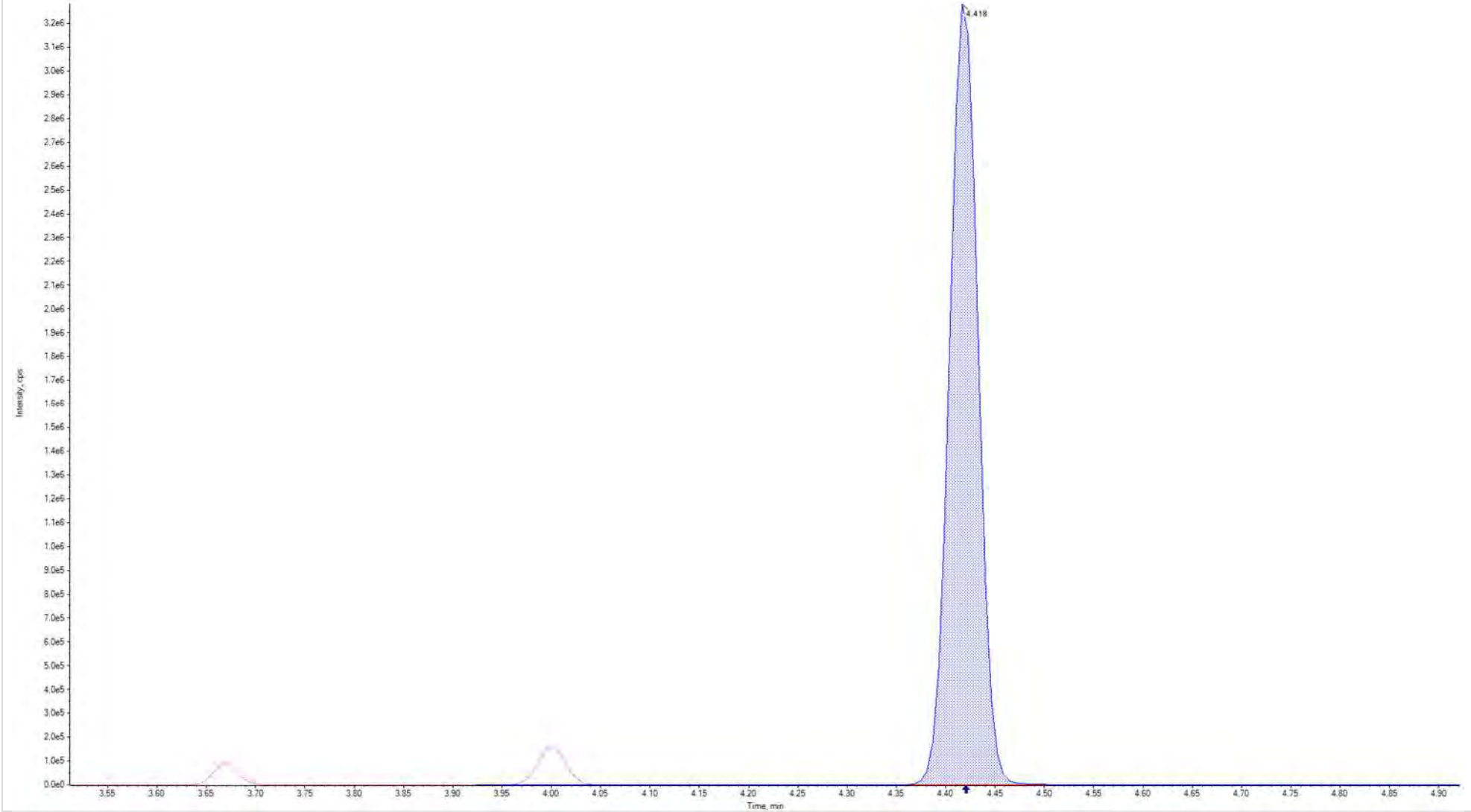
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFNS
Sample: IA1633STD-62.5 S/N:7088.6 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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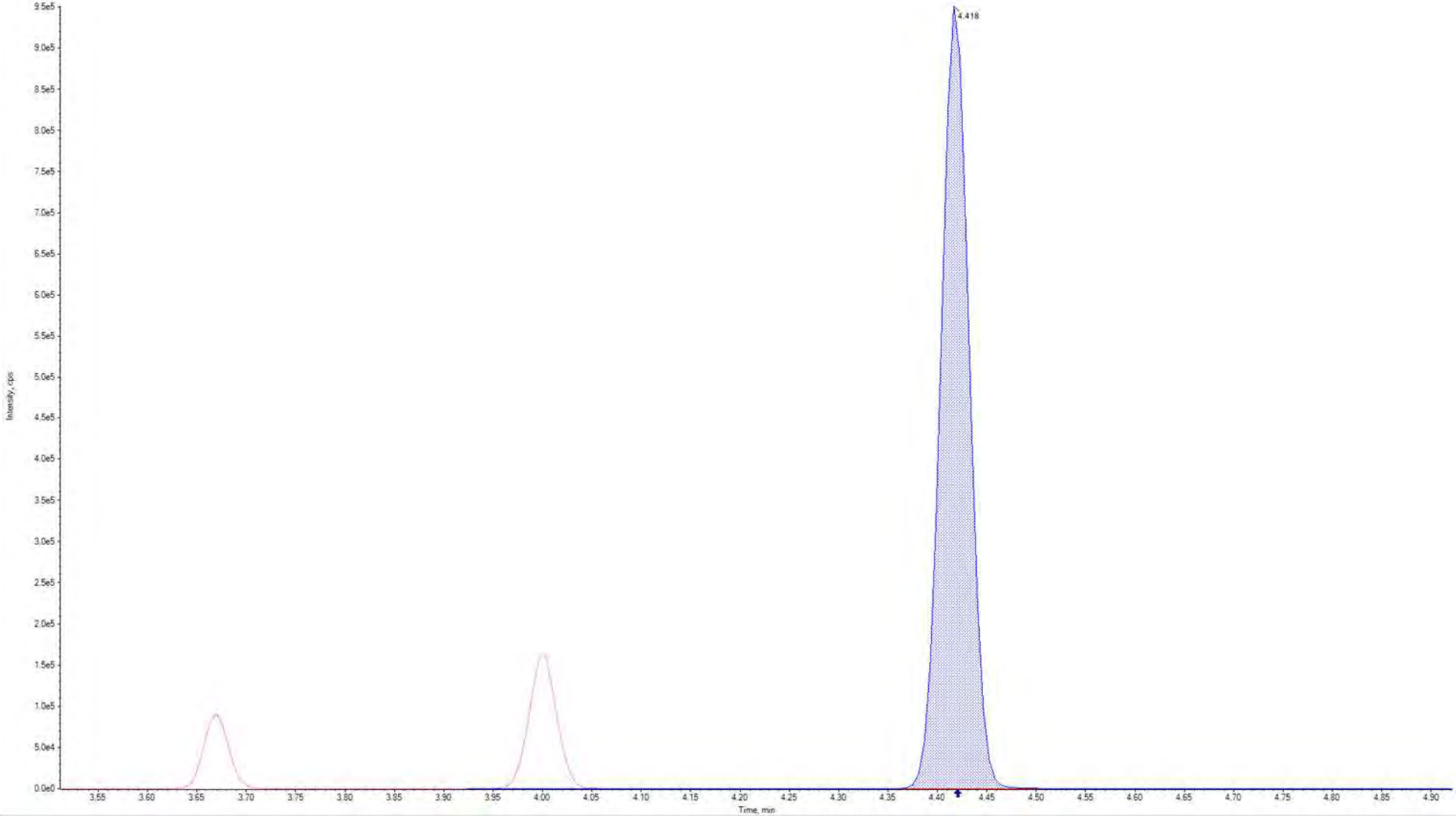
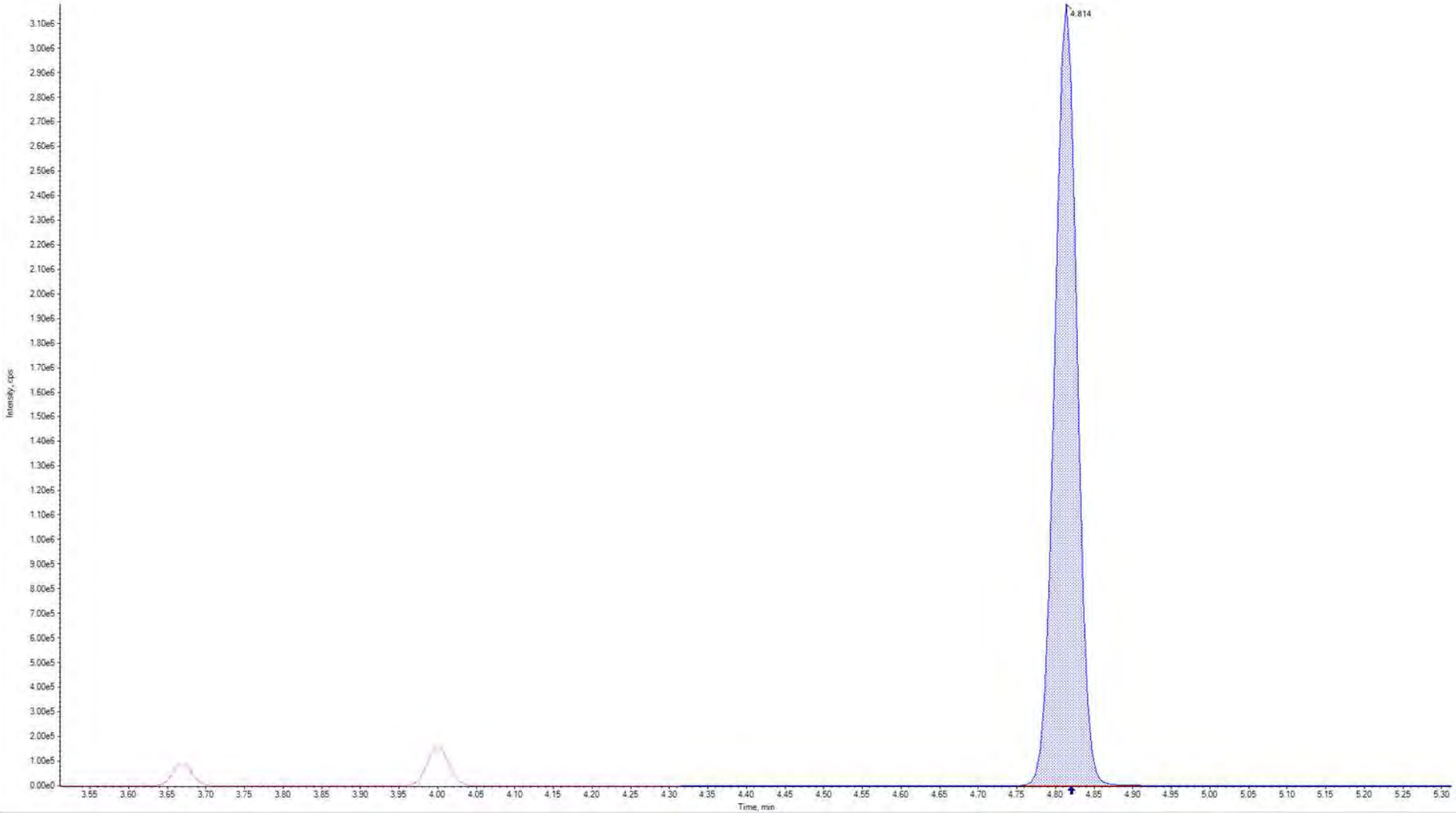
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFNS_2
Sample: IA1633STD-62.5 S/N:7783.0 Points Across peak:30



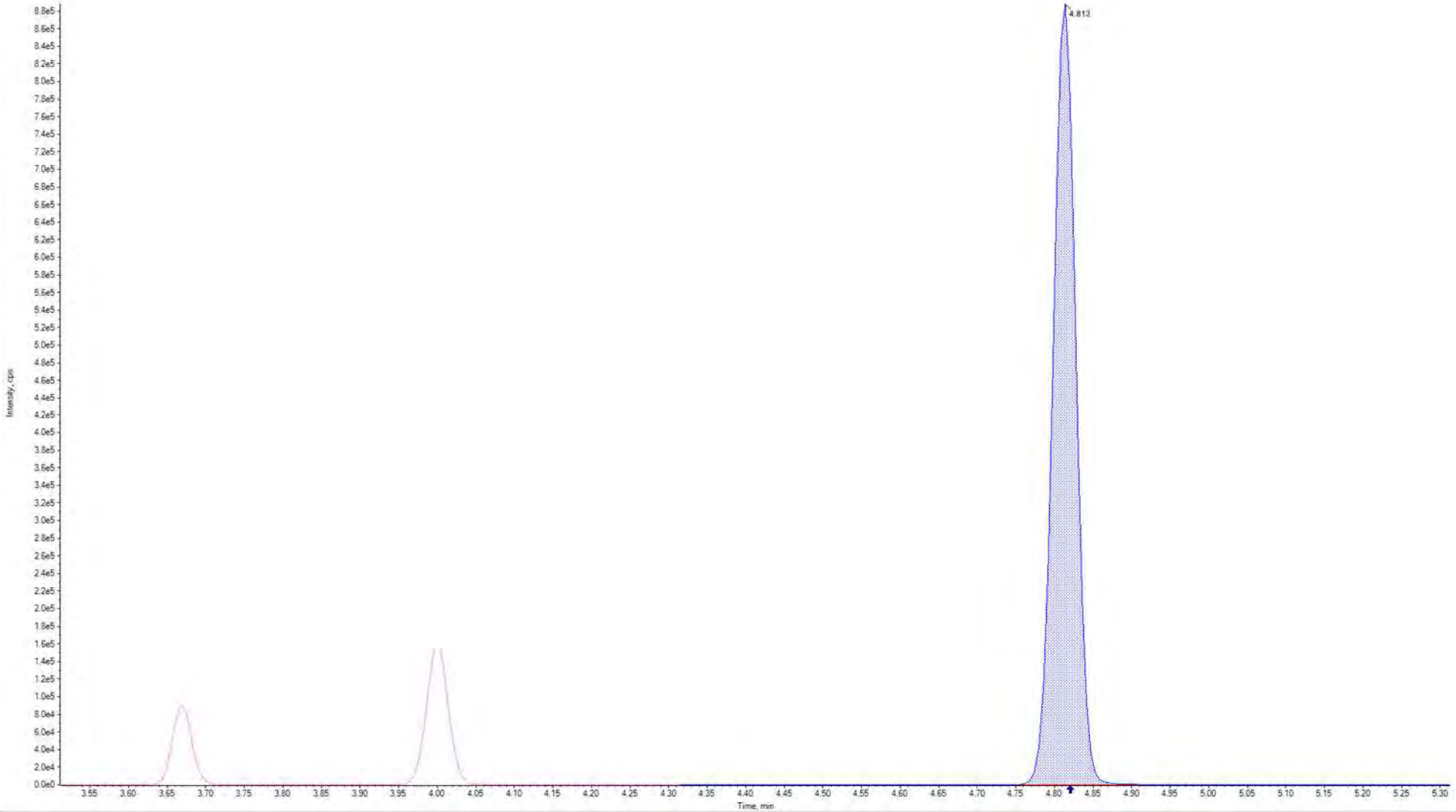
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDS
Sample: IA1633STD-62.5 S/N:111590.0 Points Across peak:41



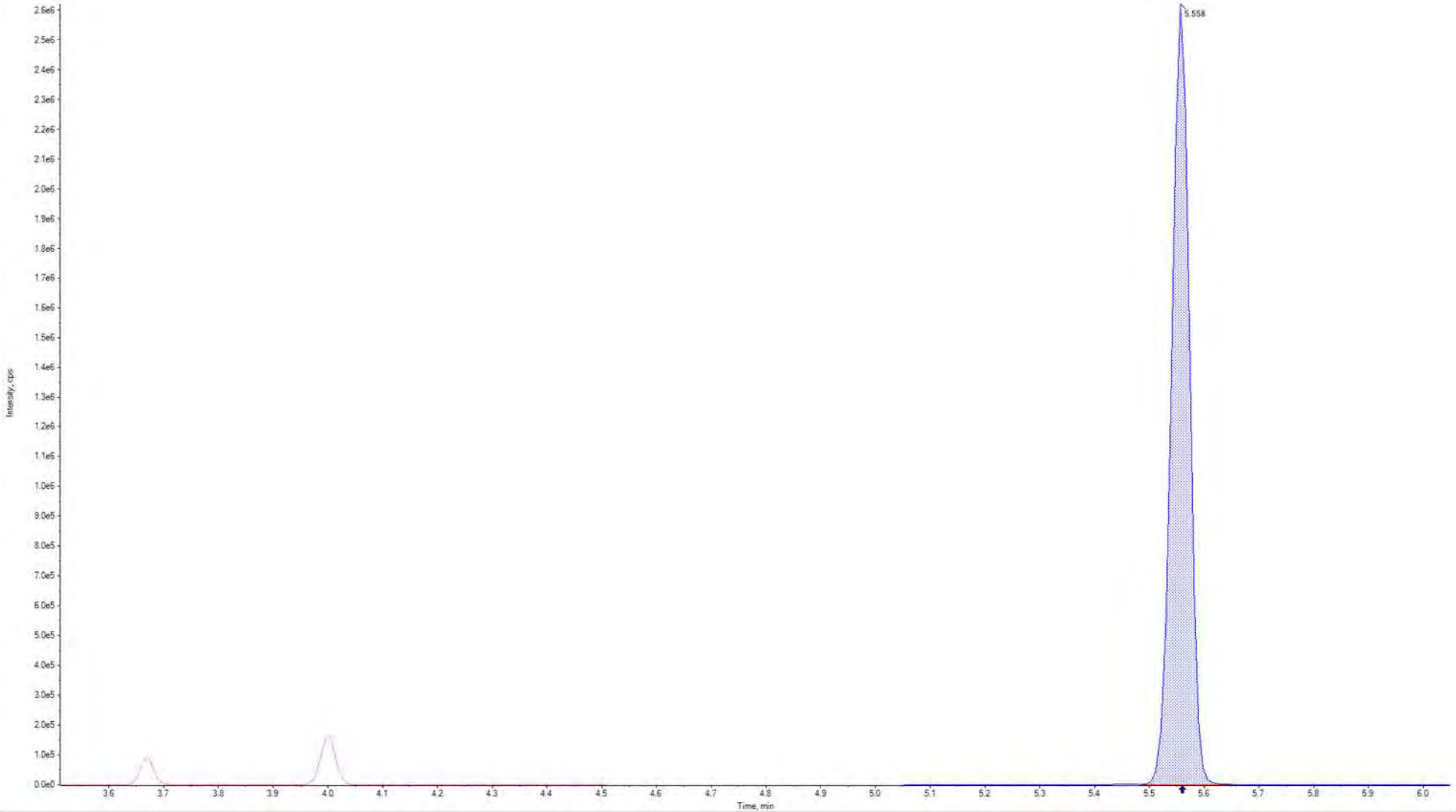
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDS_2
Sample: IA1633STD-62.5 S/N:11129.9 Points Across peak:32



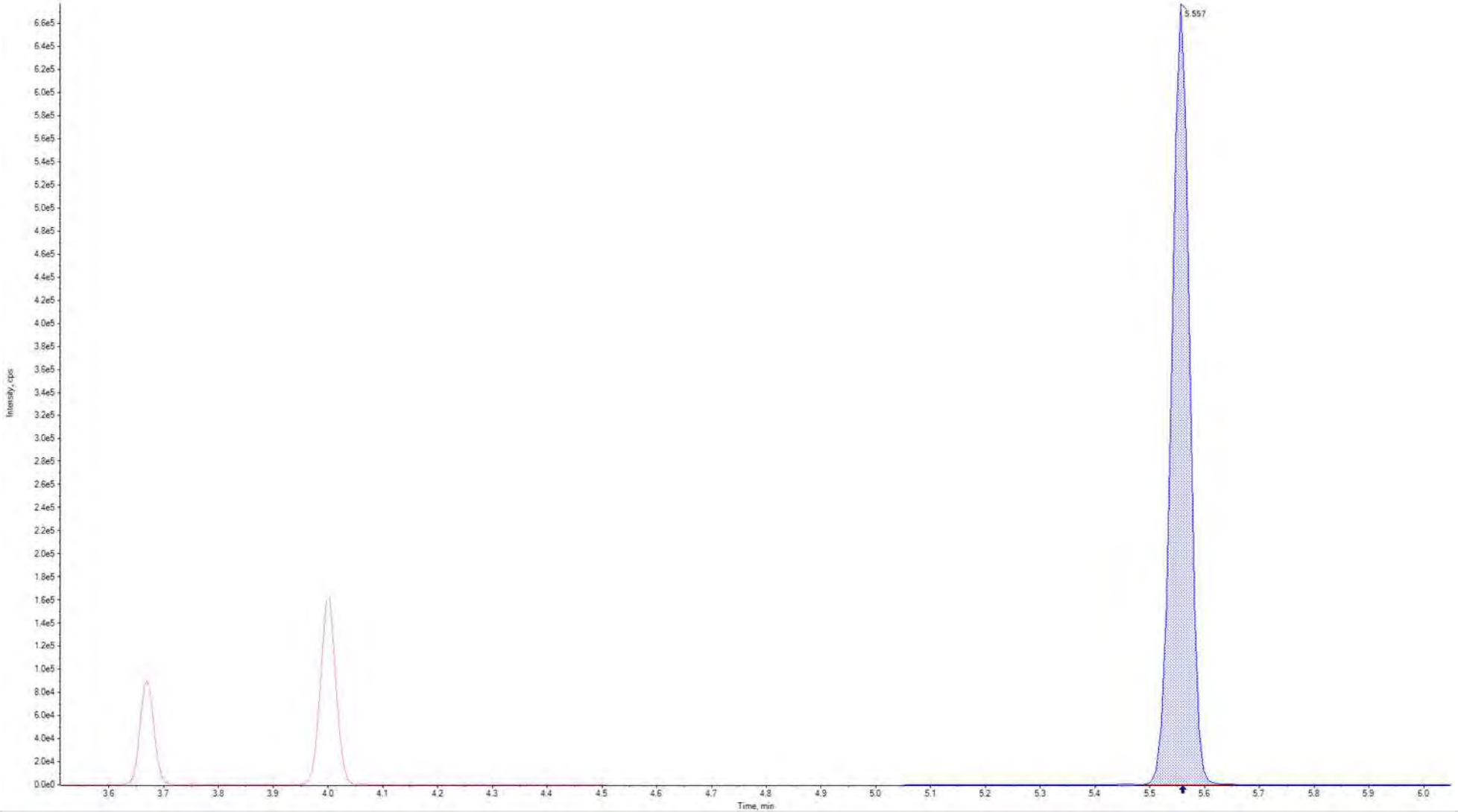
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoS
Sample: IA1633STD-62.5 S/N:22934.2 Points Across peak:26



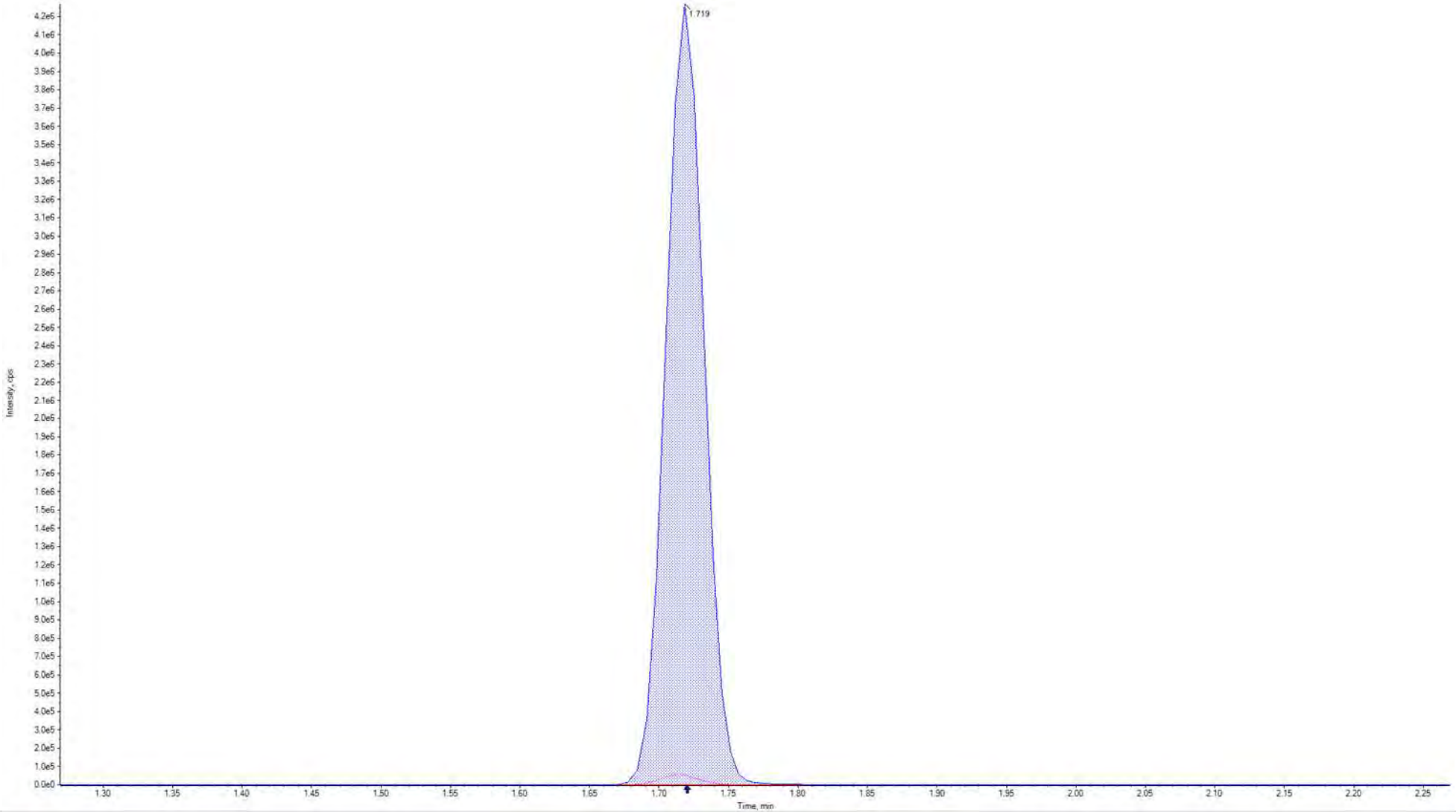
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFDoS_2
Sample: IA1633STD-62.5 S/N:4491.8 Points Across peak:30



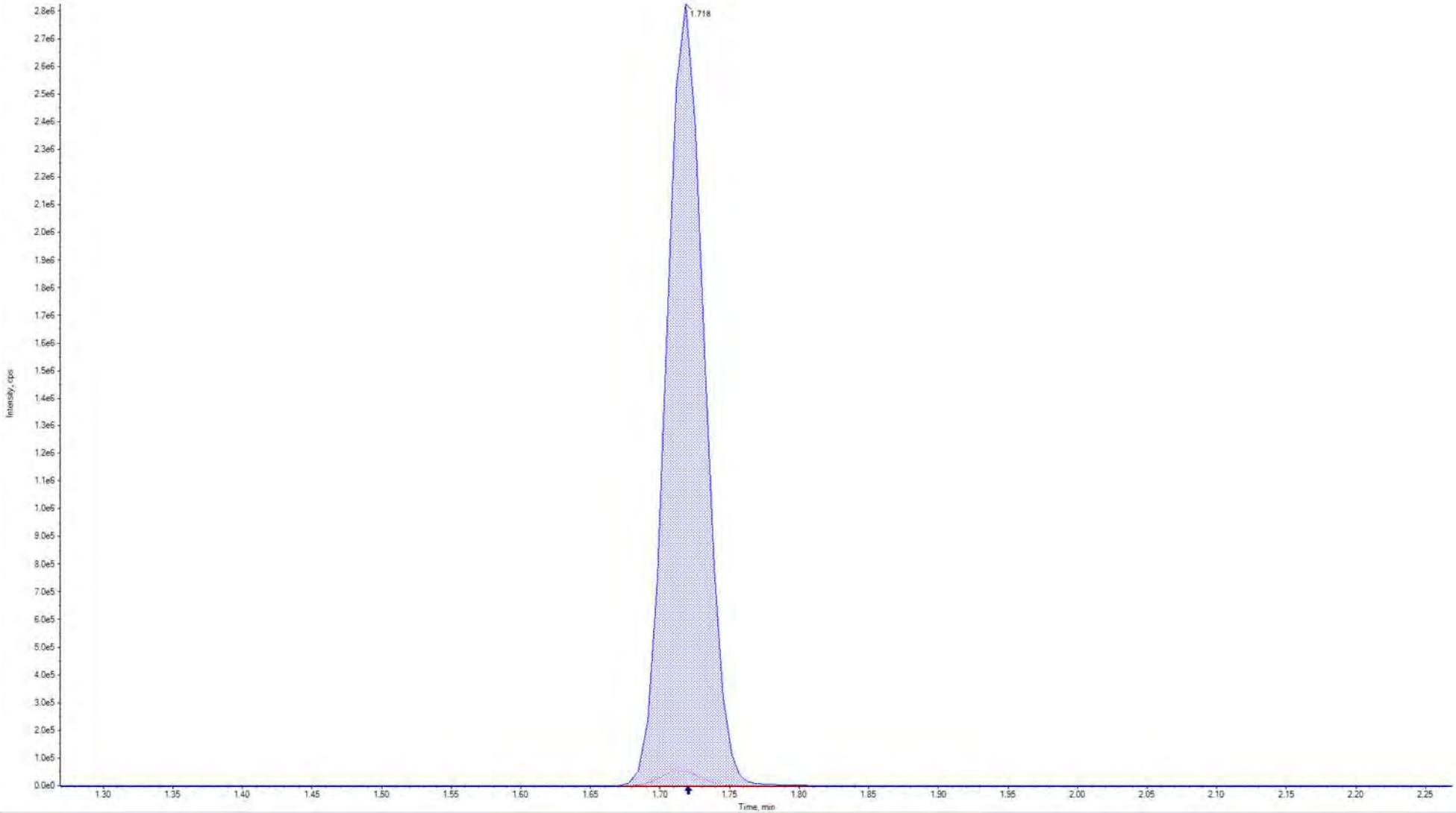
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

4:2FTS
Sample: IA1633STD-62.5 S/N:160505.2 Points Across peak:33



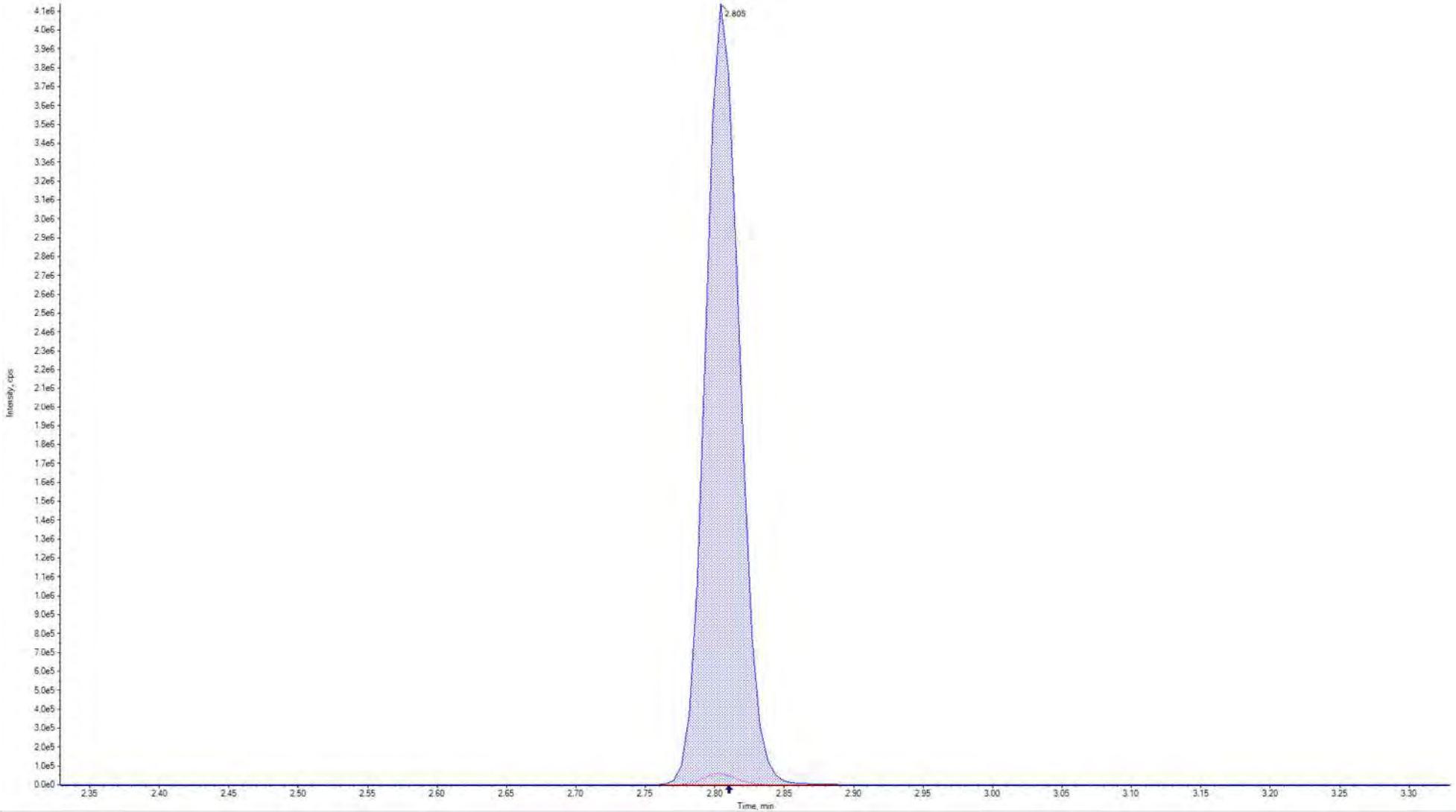
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

4:2FTS_2
Sample: IA1633STD-62.5 S/N:9487.6 Points Across peak:33



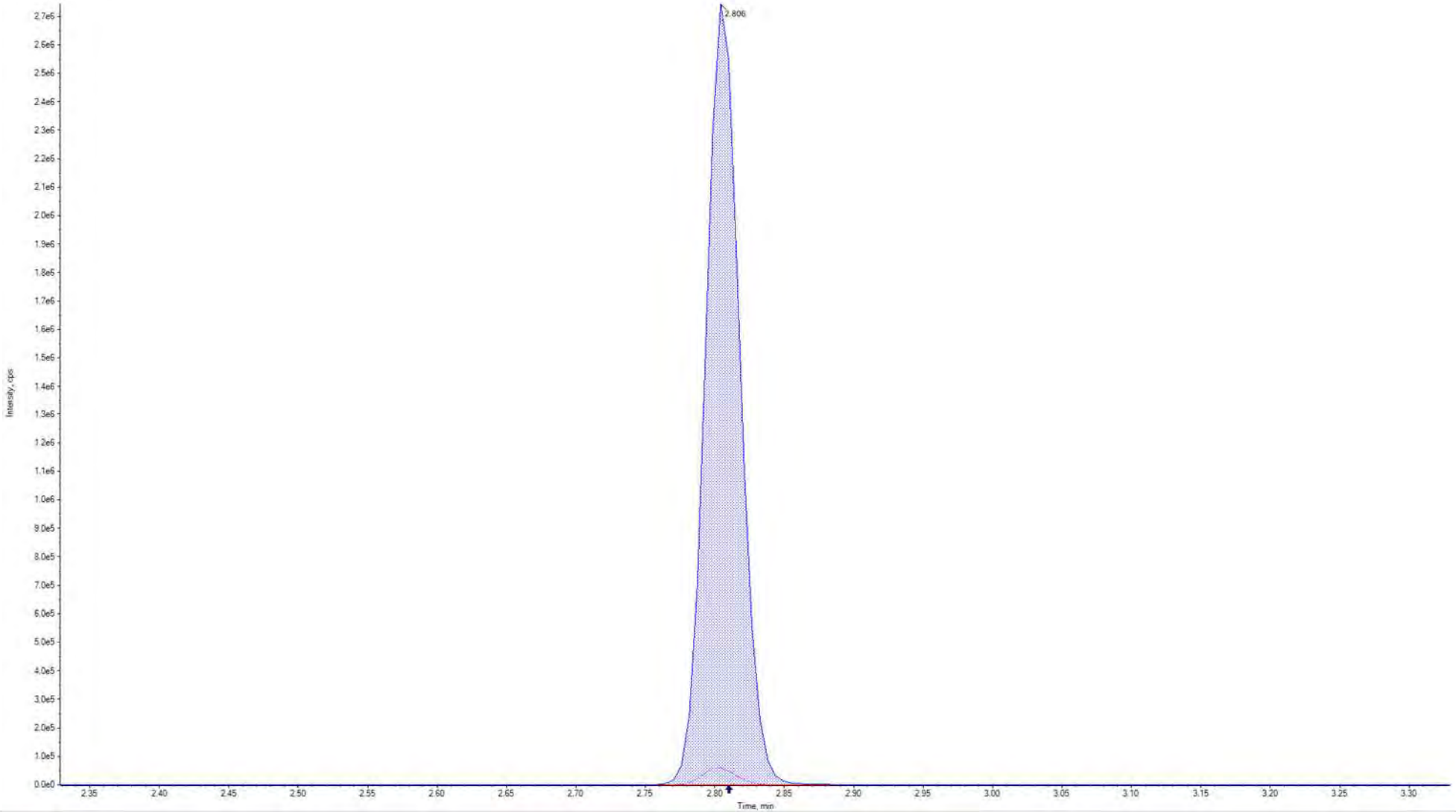
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

6:2FTS
Sample: IA1633STD-62.5 S/N:7252.7 Points Across peak:37



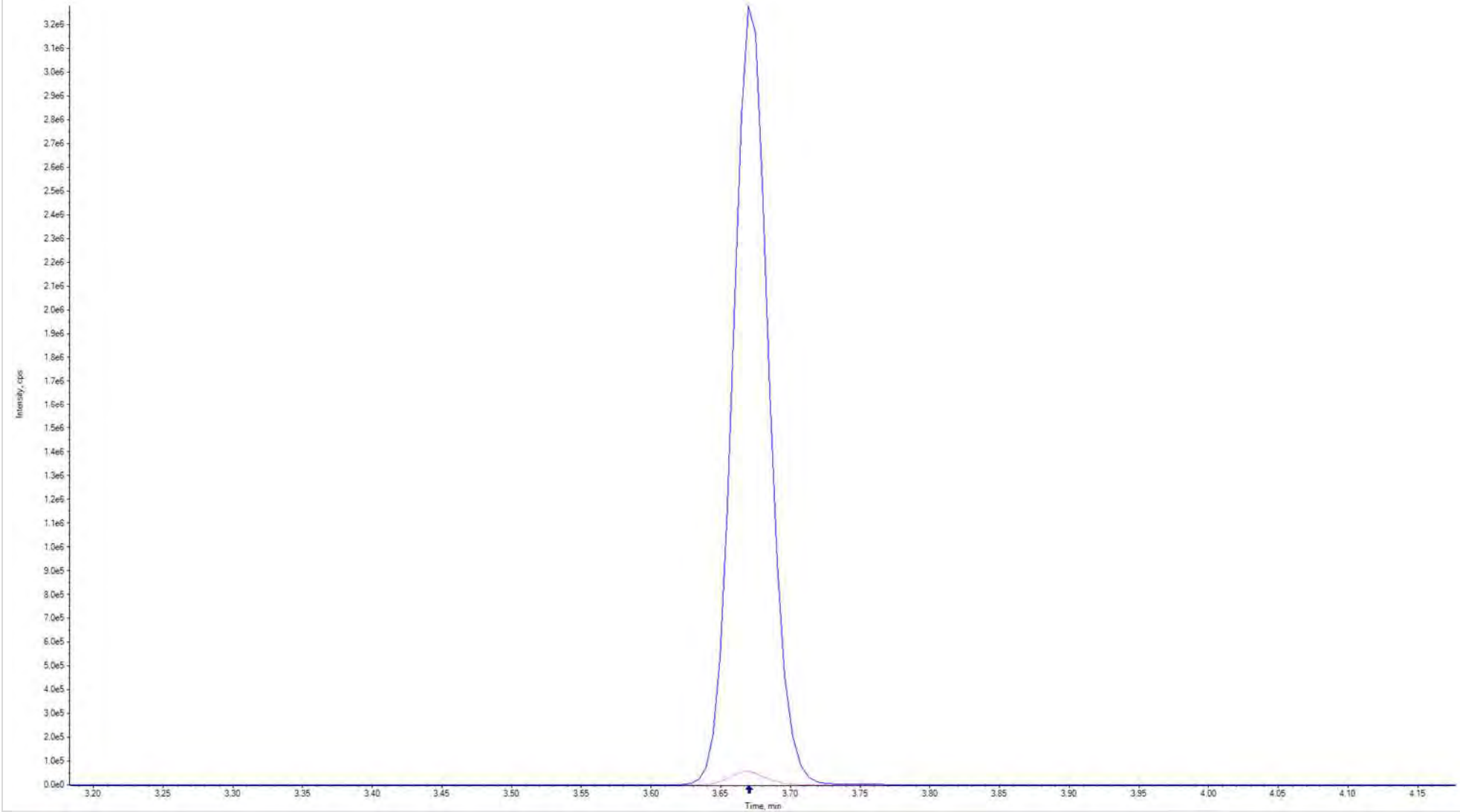
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

6:2FTS_2
Sample: IA1633STD-62.5 S/N:8030.3 Points Across peak:32



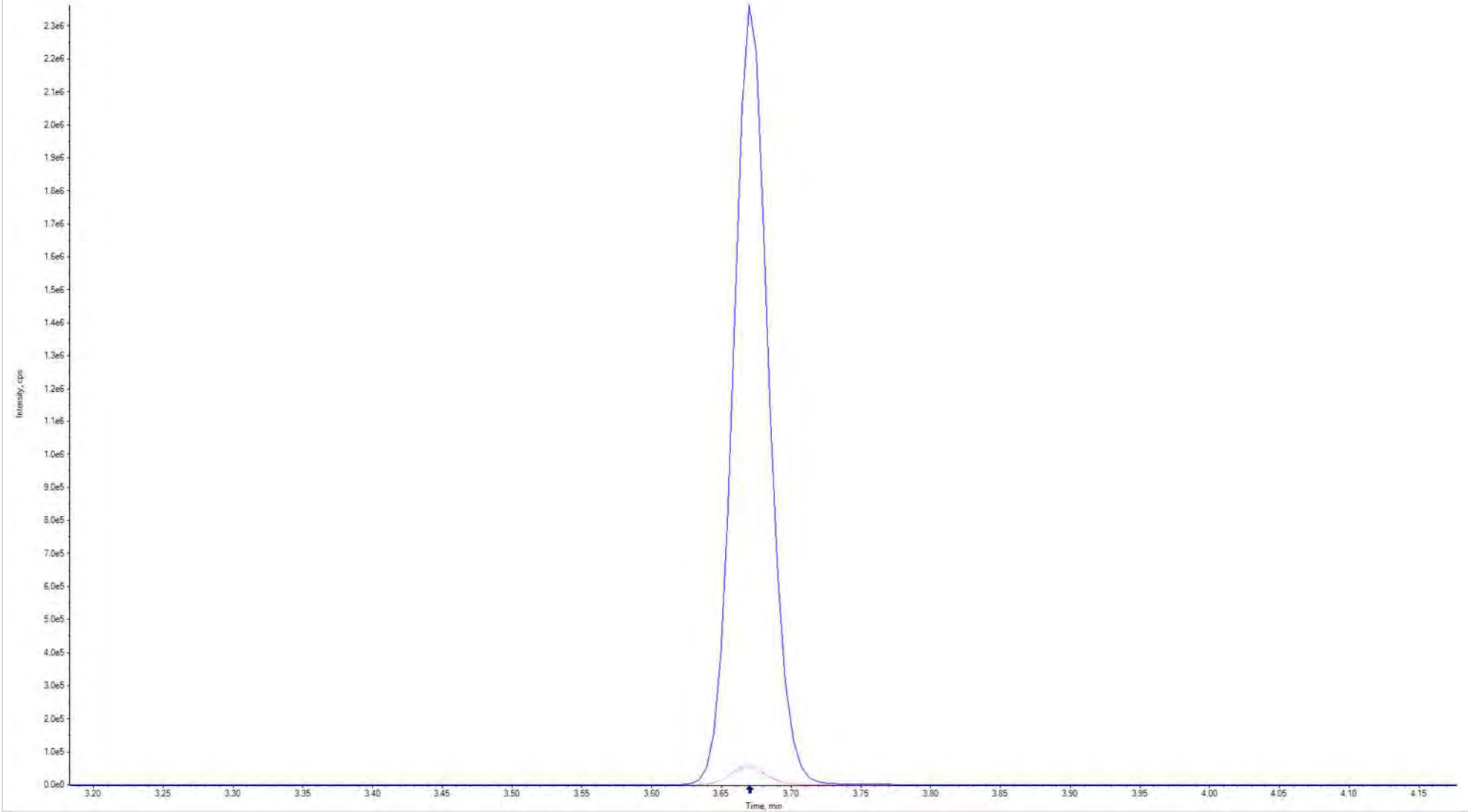
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

8:2FTS
Sample: IA1633STD-62.5 S/N:N/A Points Across peak:N/A



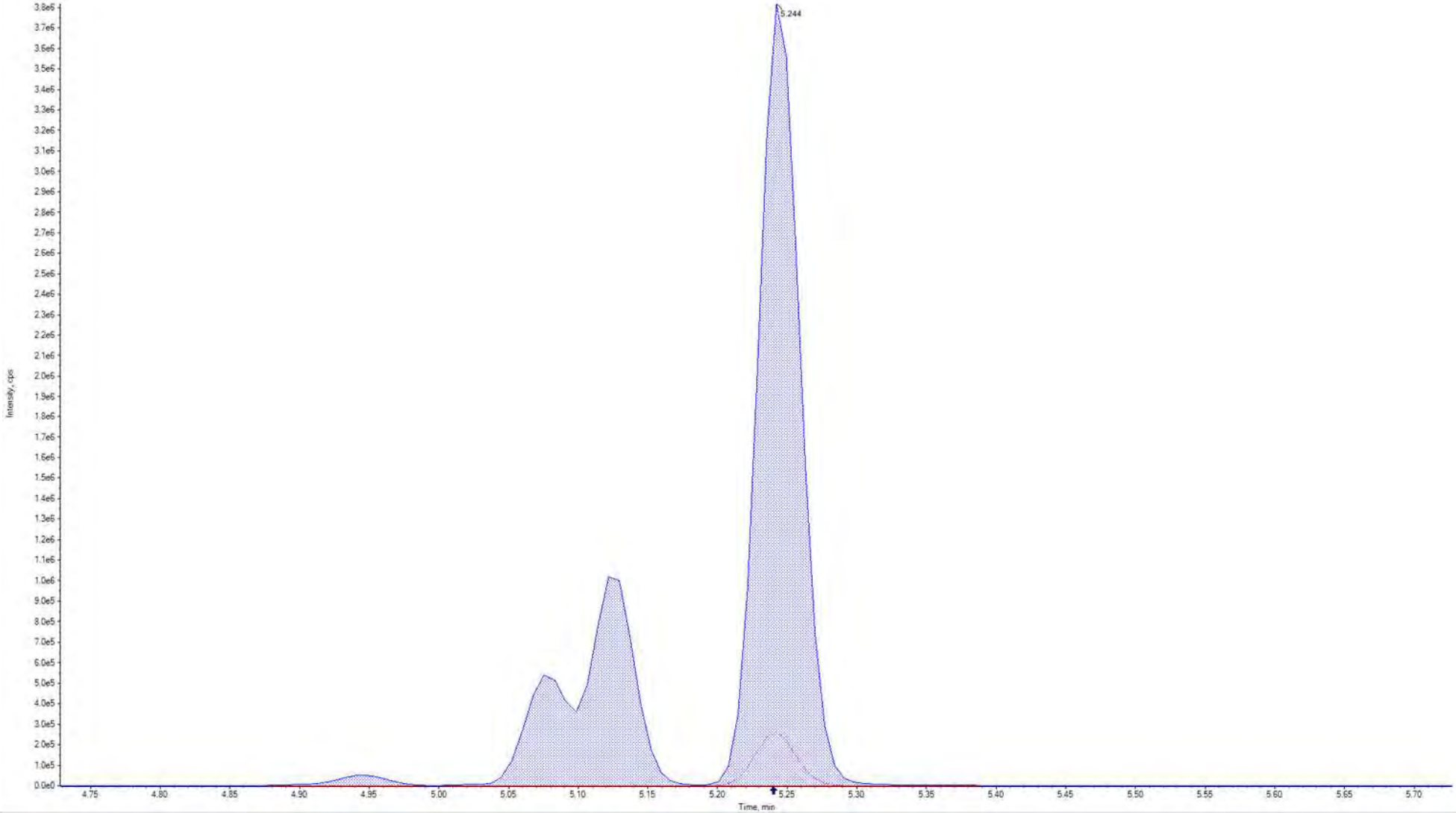
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

8:2FTS_2
Sample: IA1633STD-62.5 S/N:N/A Points Across peak:N/A



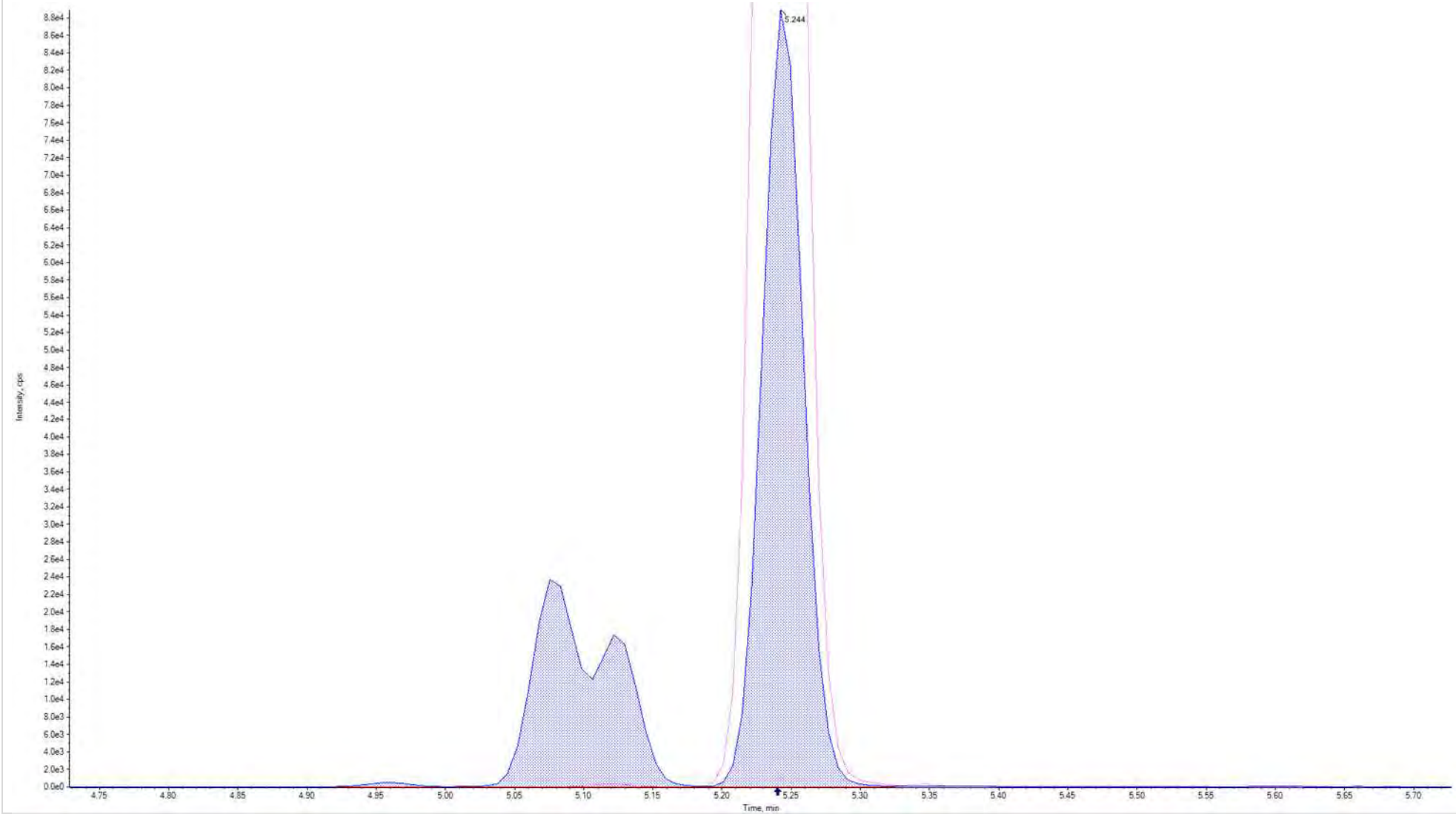
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOSA
Sample: IA1633STD-62.5 S/N:364.6 Points Across peak:81



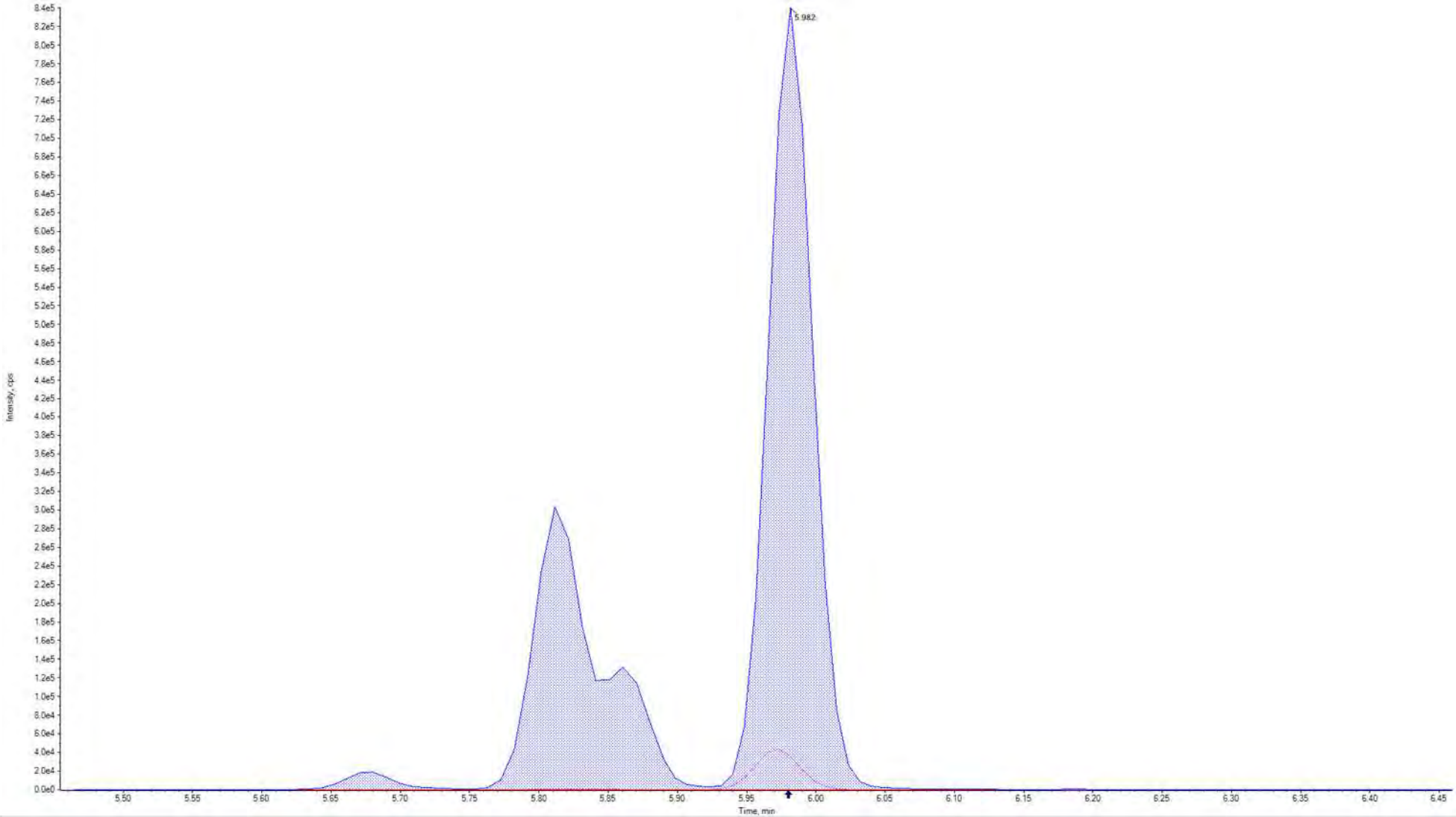
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFOSA_2
Sample: IA1633STD-62.5 S/N:448.0 Points Across peak:61



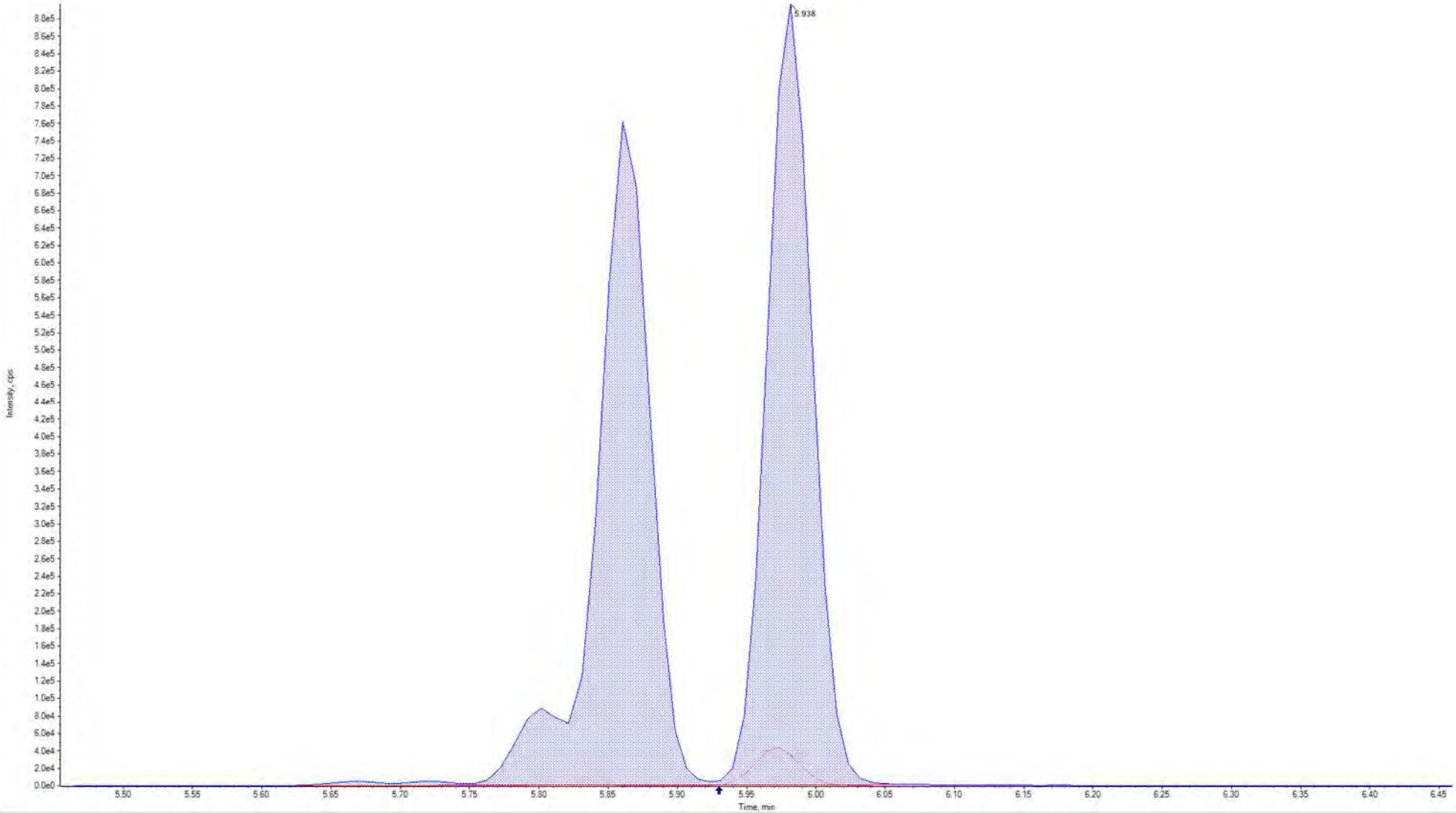
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSA
Sample: IA1633STD-62.5 S/N:342.4 Points Across peak:65



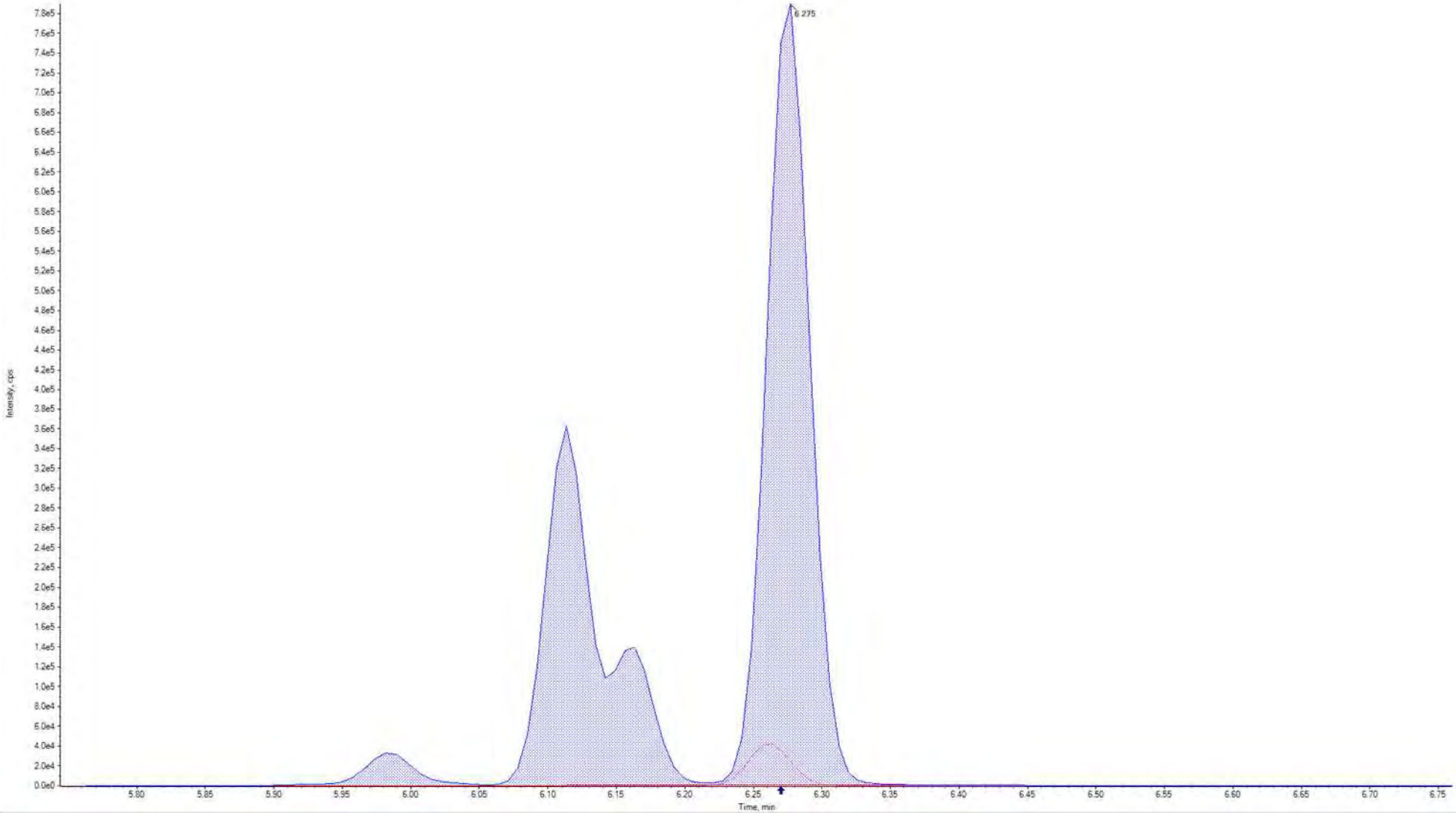
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSA_2
Sample: IA1633STD-62.5 S/N:295.2 Points Across peak:53



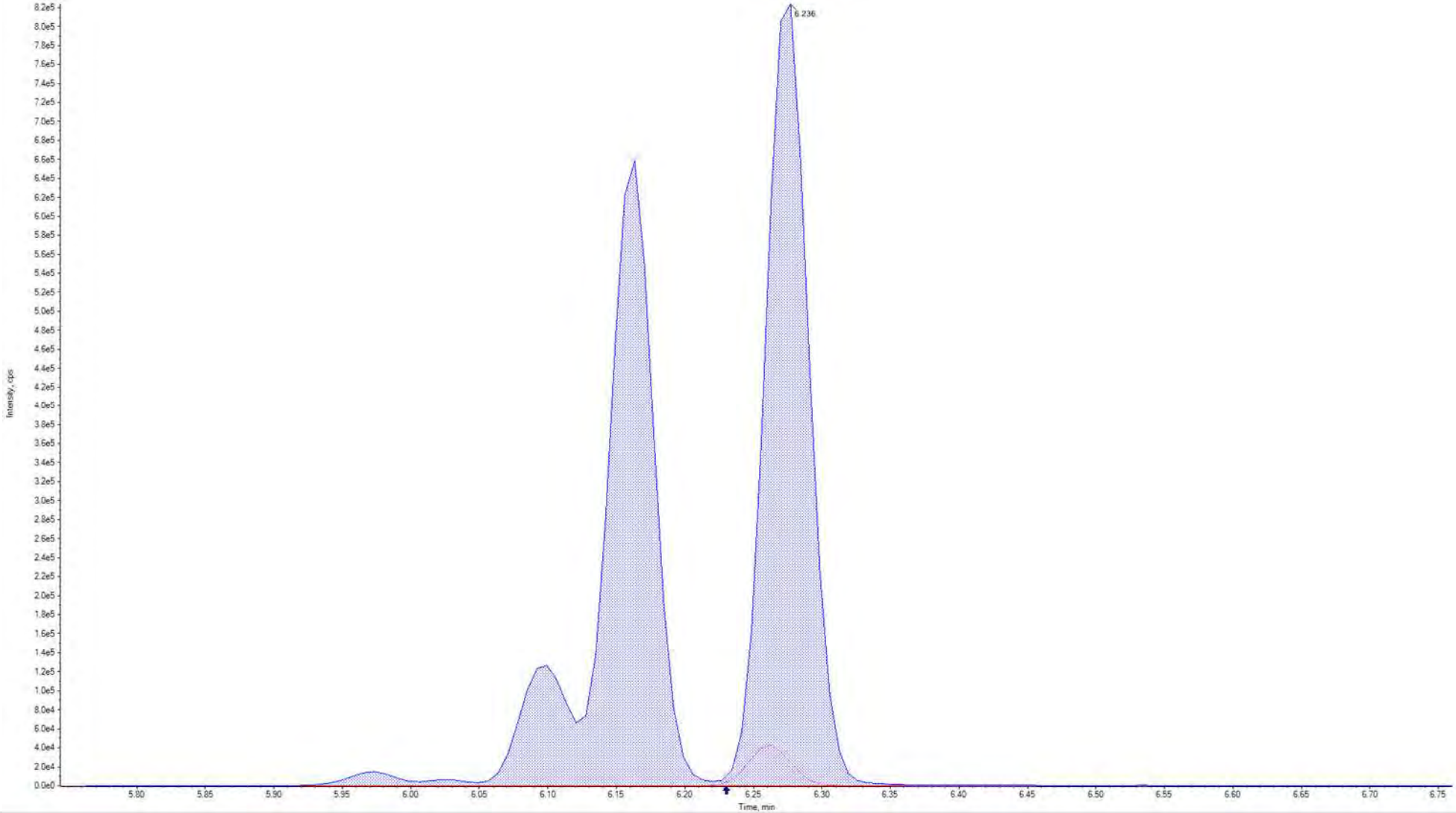
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSA
Sample: IA1633STD-62.5 S/N:707.0 Points Across peak:71



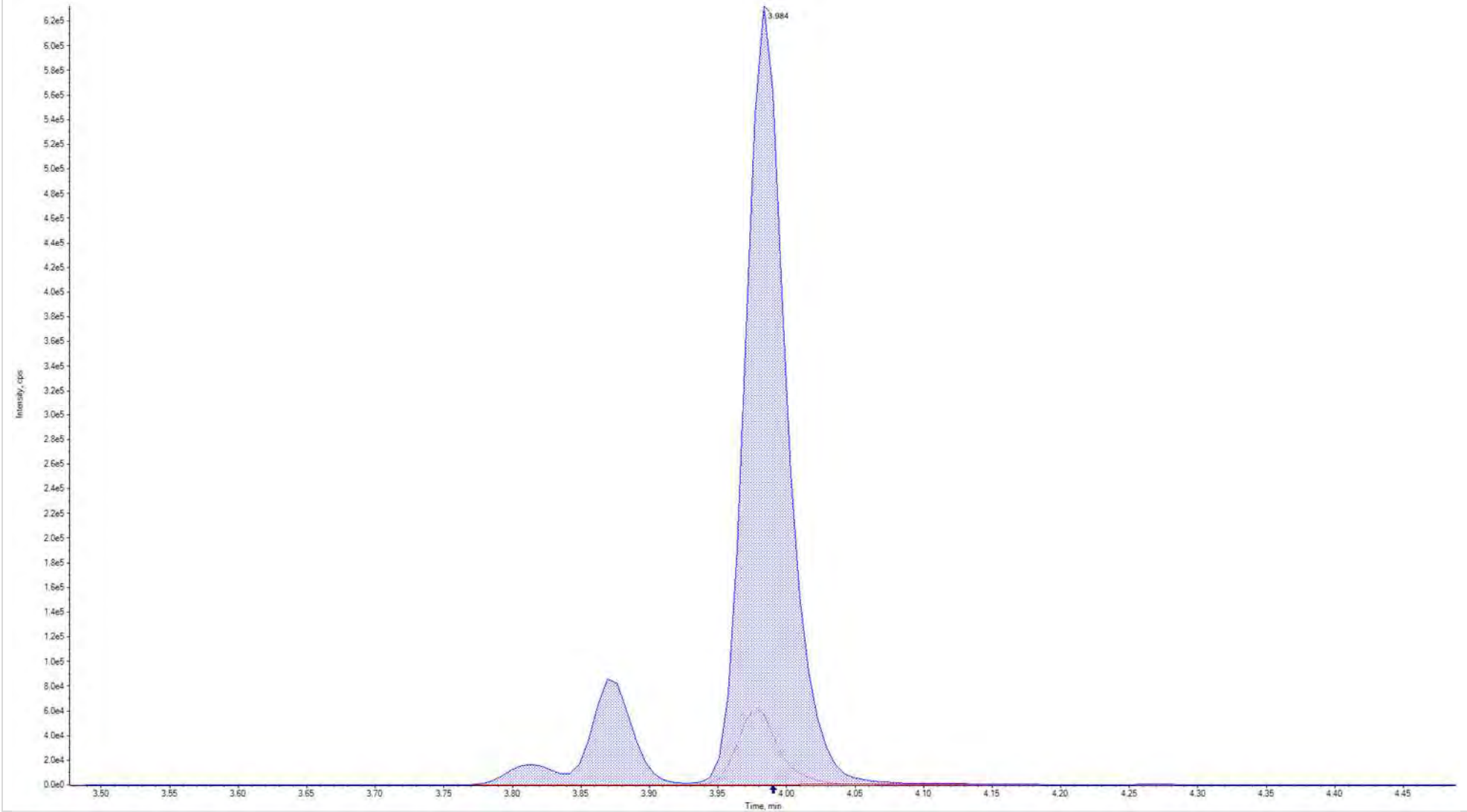
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSA_2
Sample: IA1633STD-62.5 S/N:741.4 Points Across peak:76



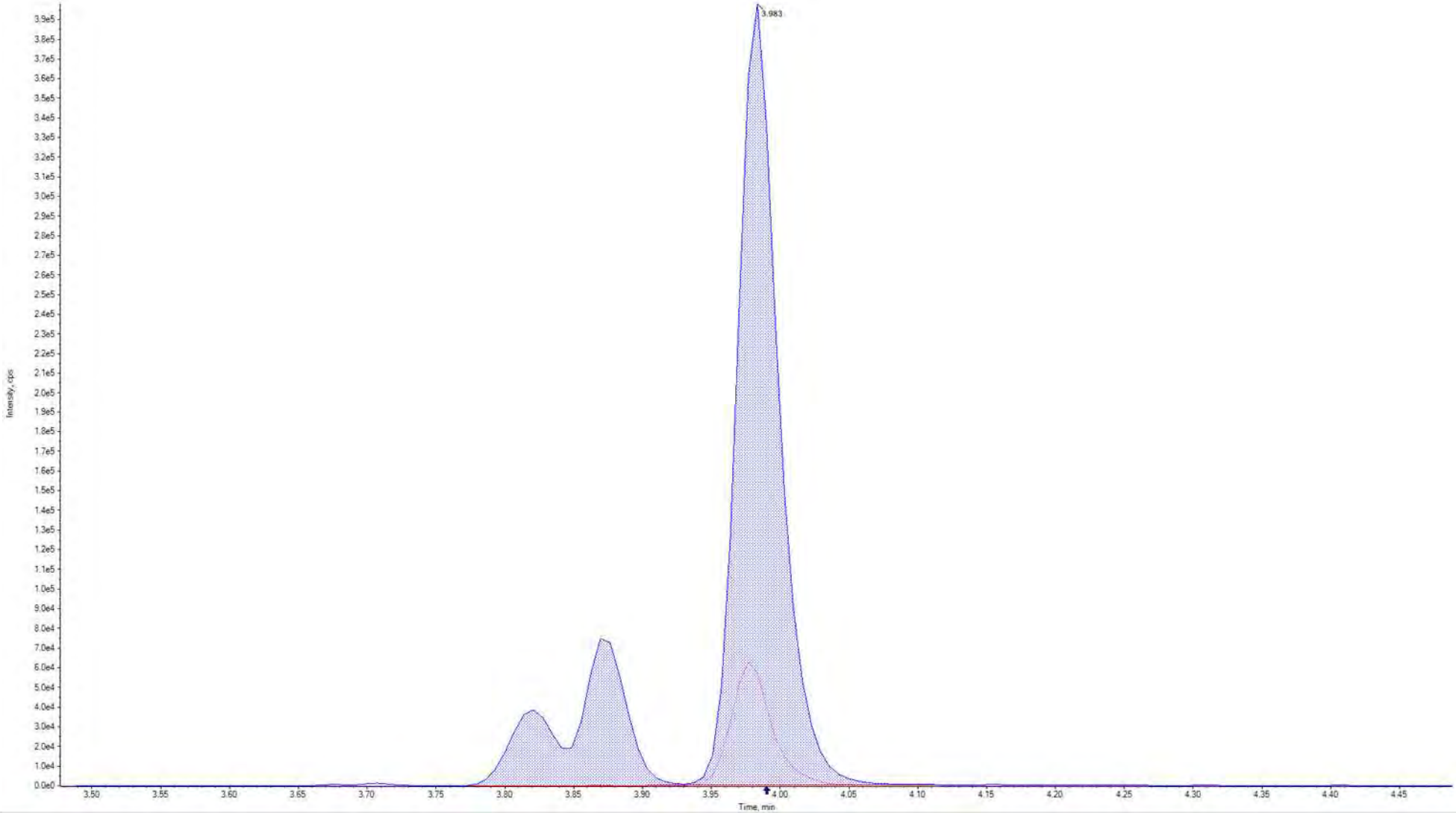
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSAA
Sample: IA1633STD-62.5 S/N:652.1 Points Across peak:61



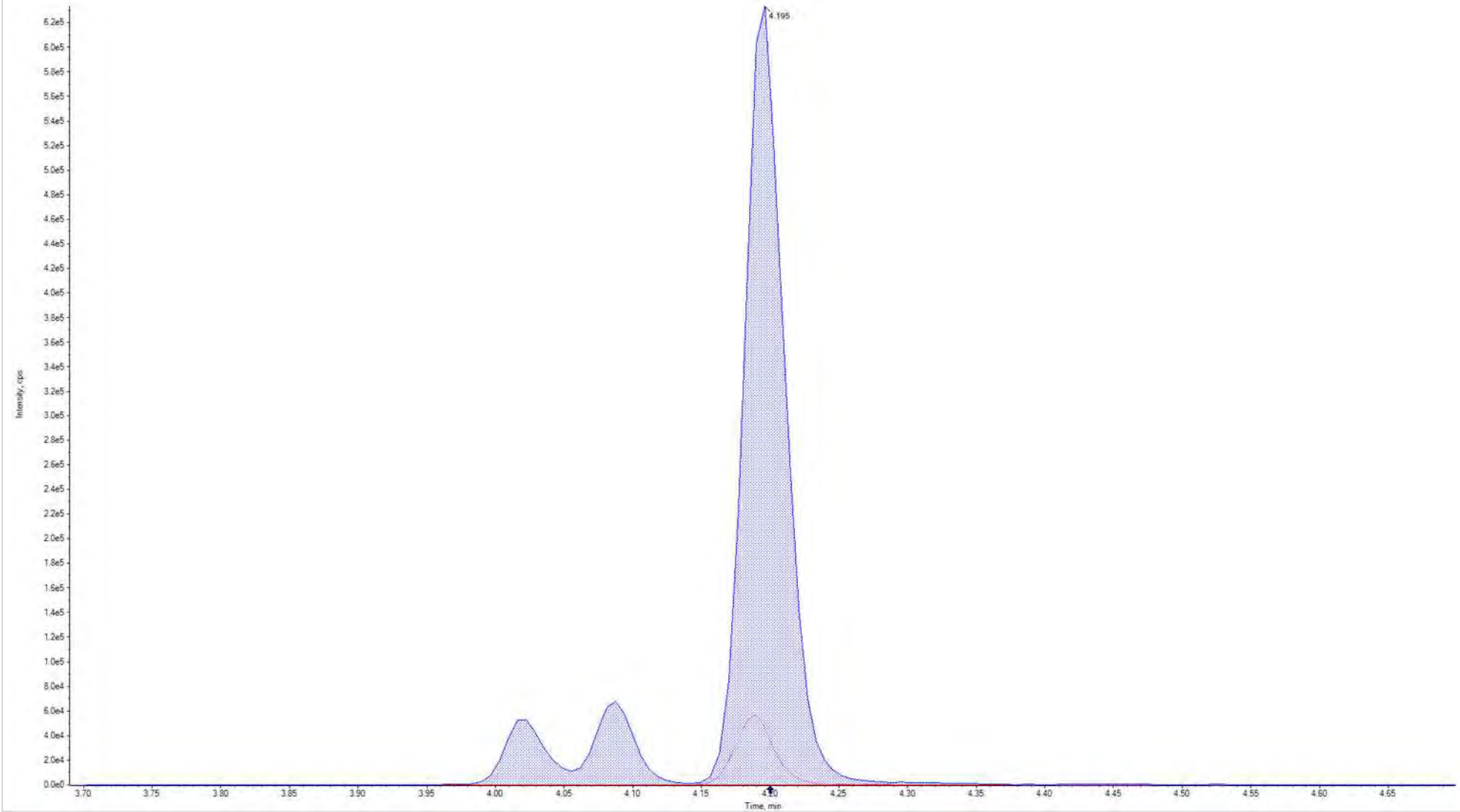
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSAA_2
Sample: IA1633STD-62.5 S/N:557.3 Points Across peak:58



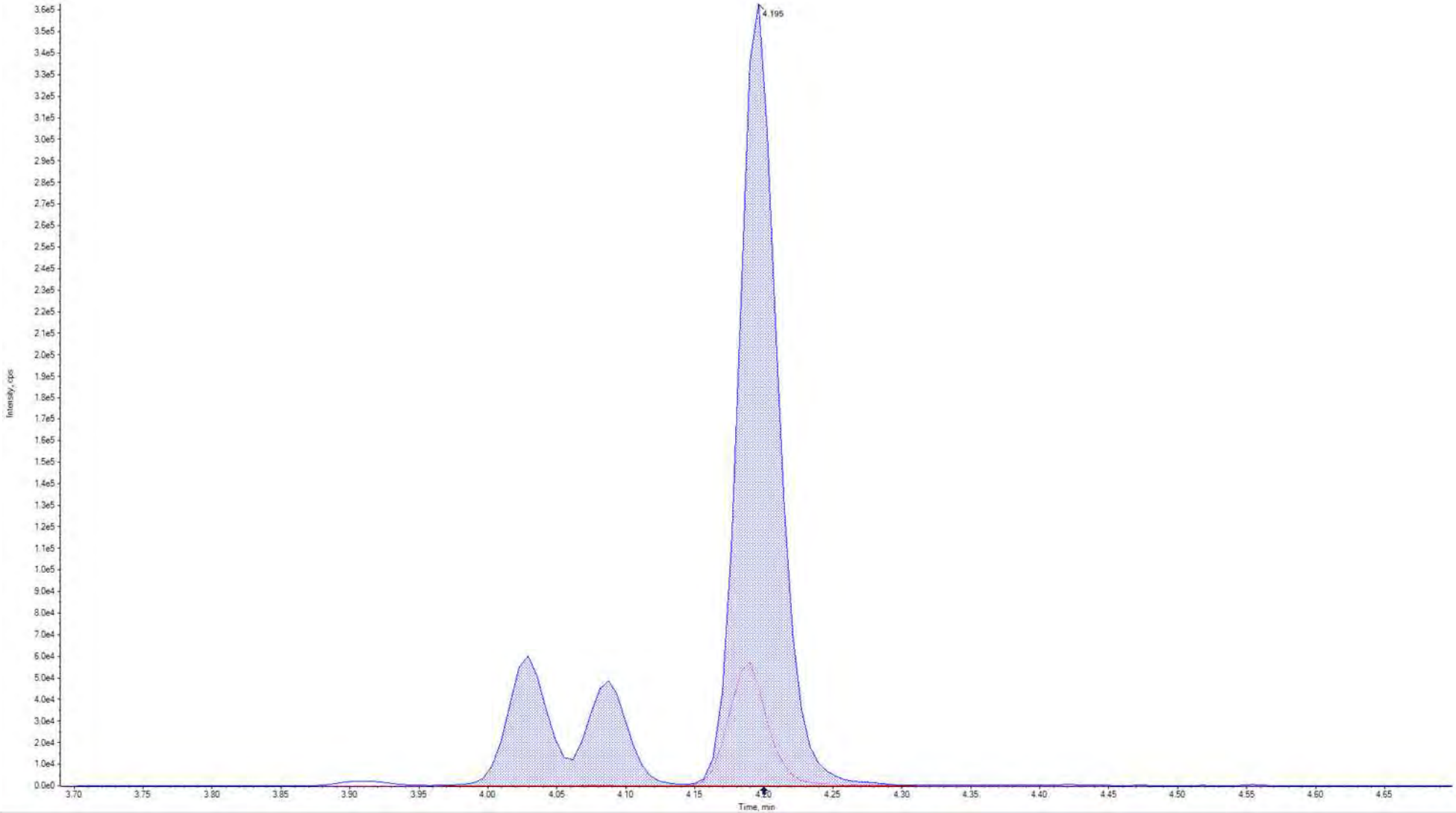
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSAA
Sample: IA1633STD-62.5 S/N:529.7 Points Across peak:68



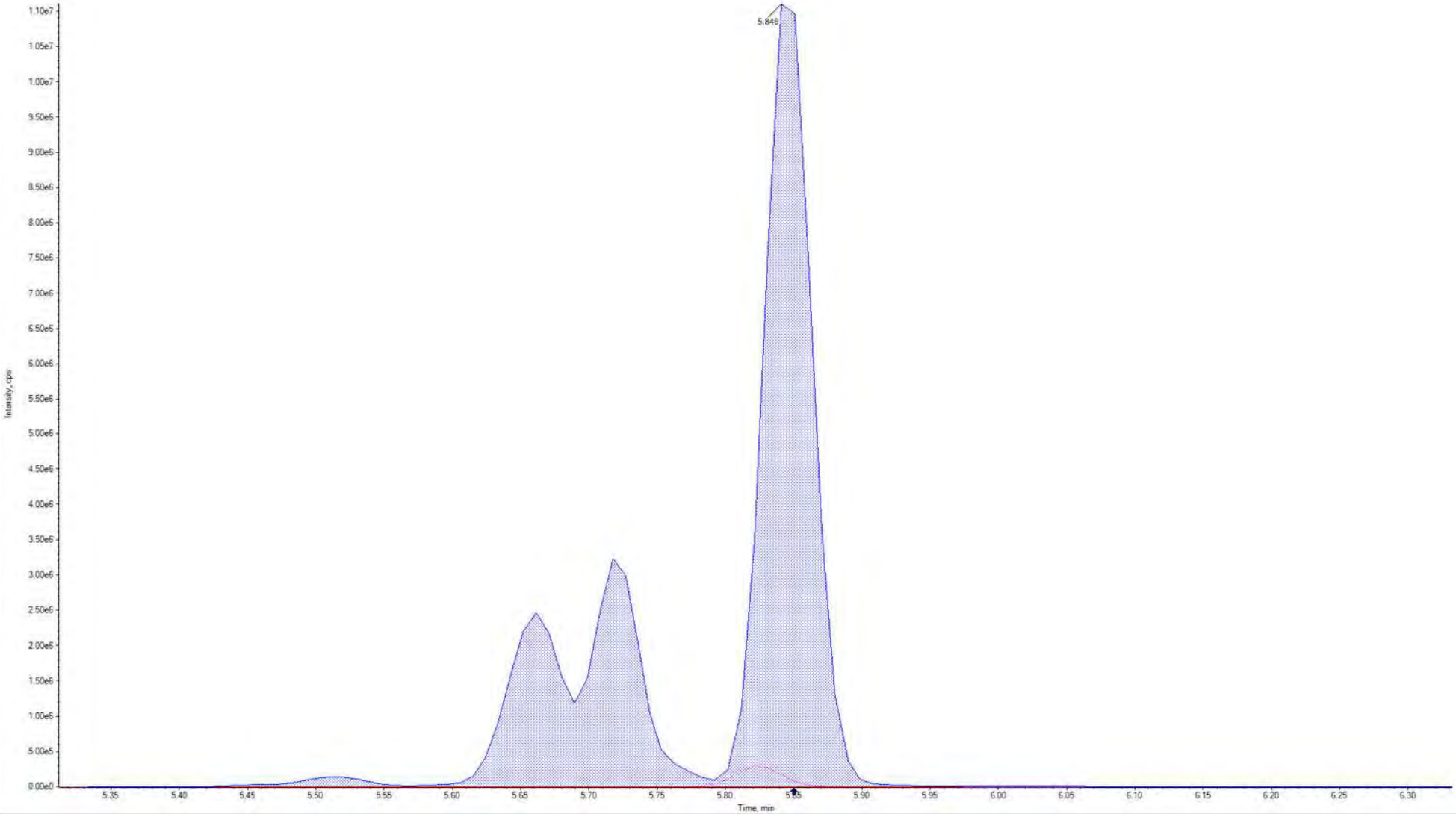
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSAA_2
Sample: IA1633STD-62.5 S/N:458.1 Points Across peak:56



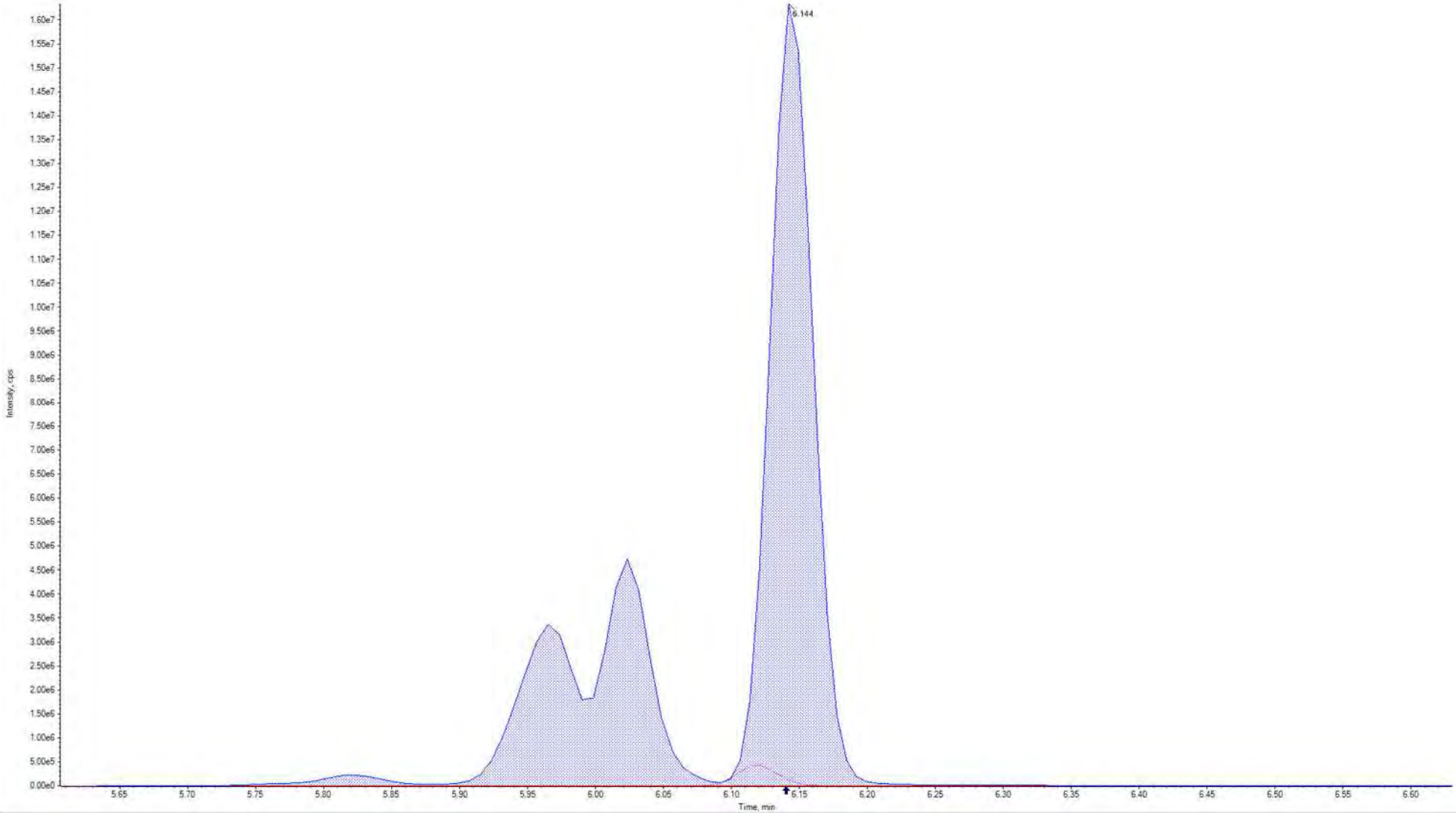
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NMeFOSE
Sample: IA1633STD-62.5 S/N:225.5 Points Across peak:71



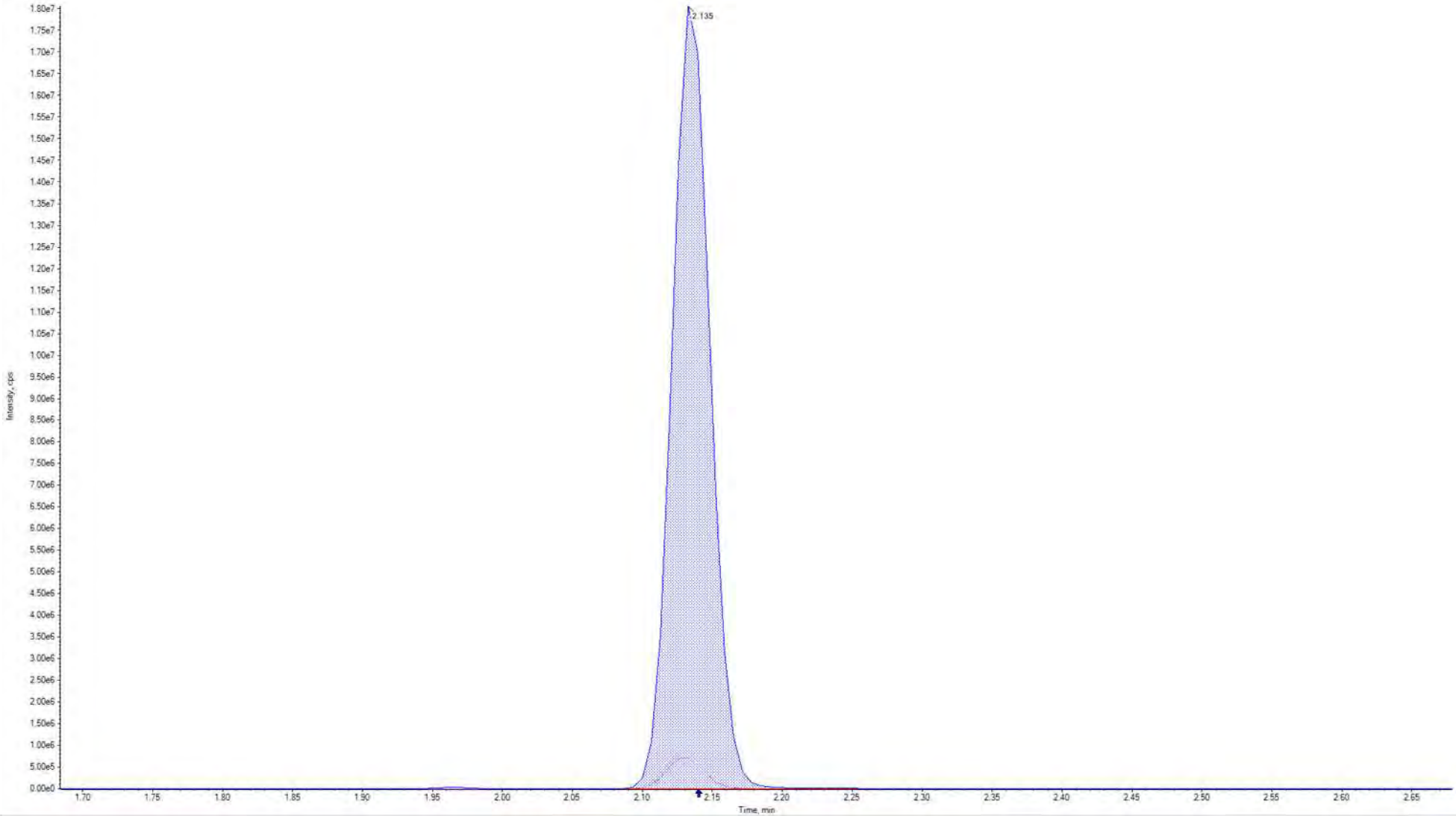
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NEtFOSE
Sample: IA1633STD-62.5 S/N:375.5 Points Across peak:80



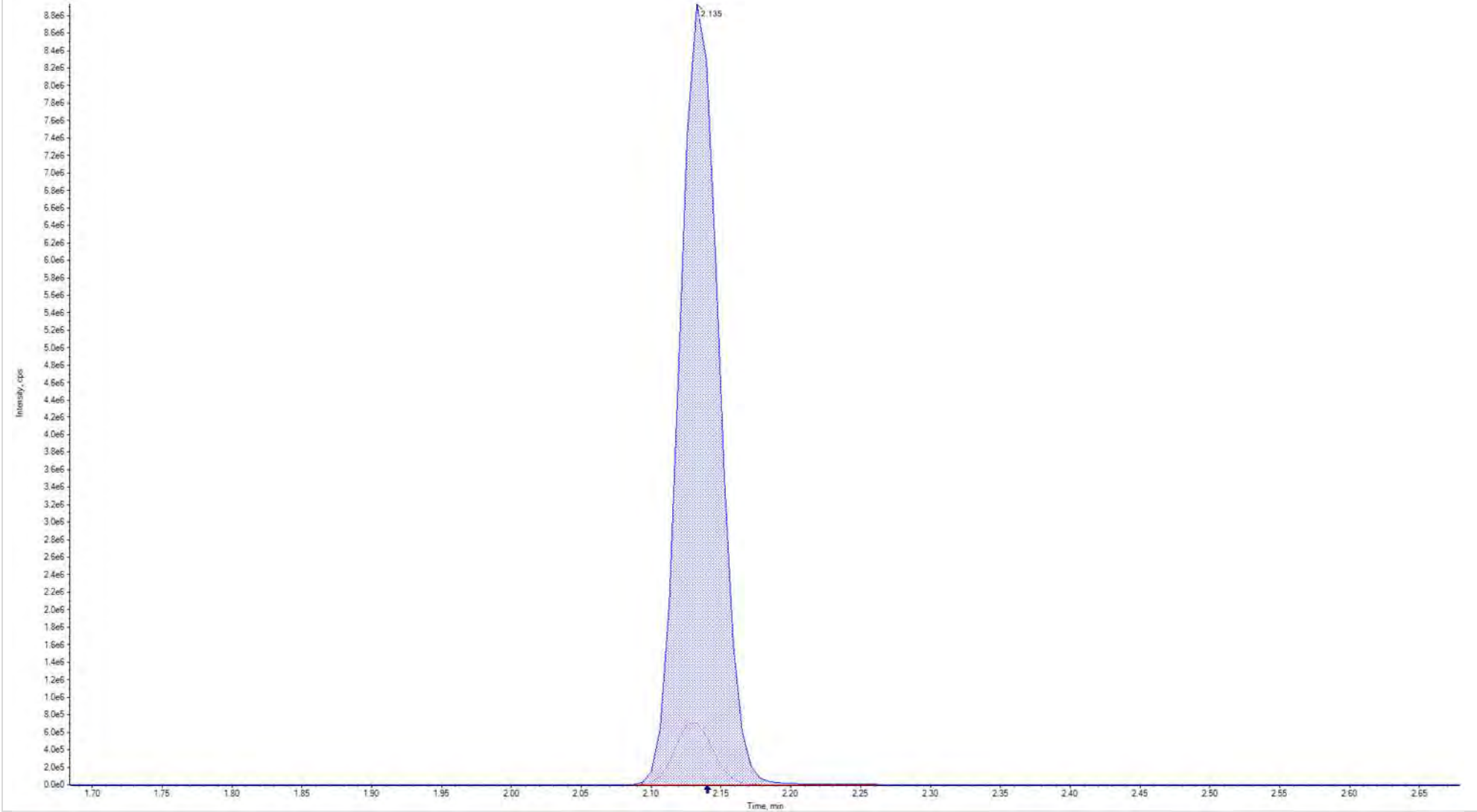
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

HFPO-DA
Sample: IA1633STD-62.5 S/N:34936.3 Points Across peak:34



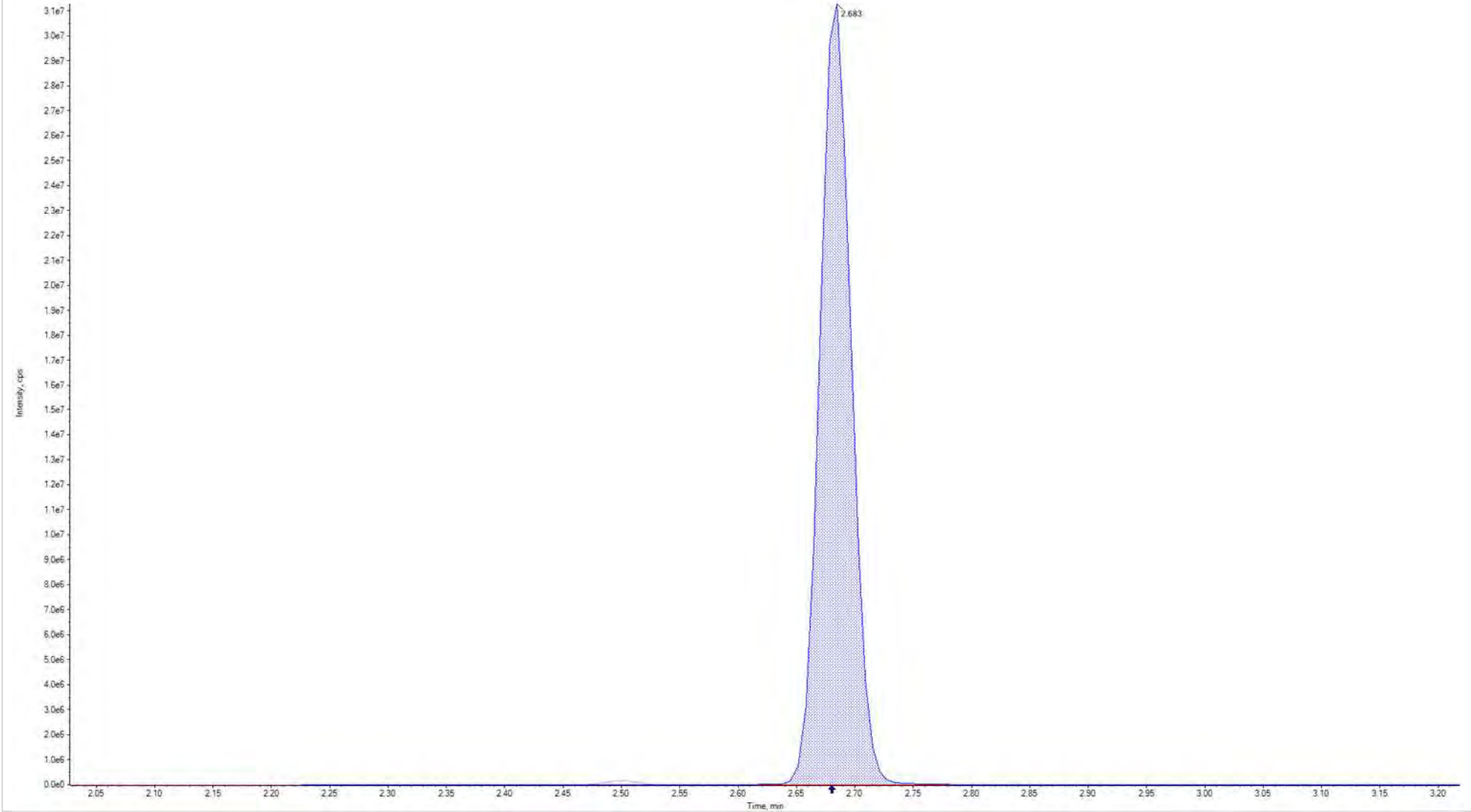
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

HFPO-DA_2
Sample: IA1633STD-62.5 S/N:26447.0 Points Across peak:41



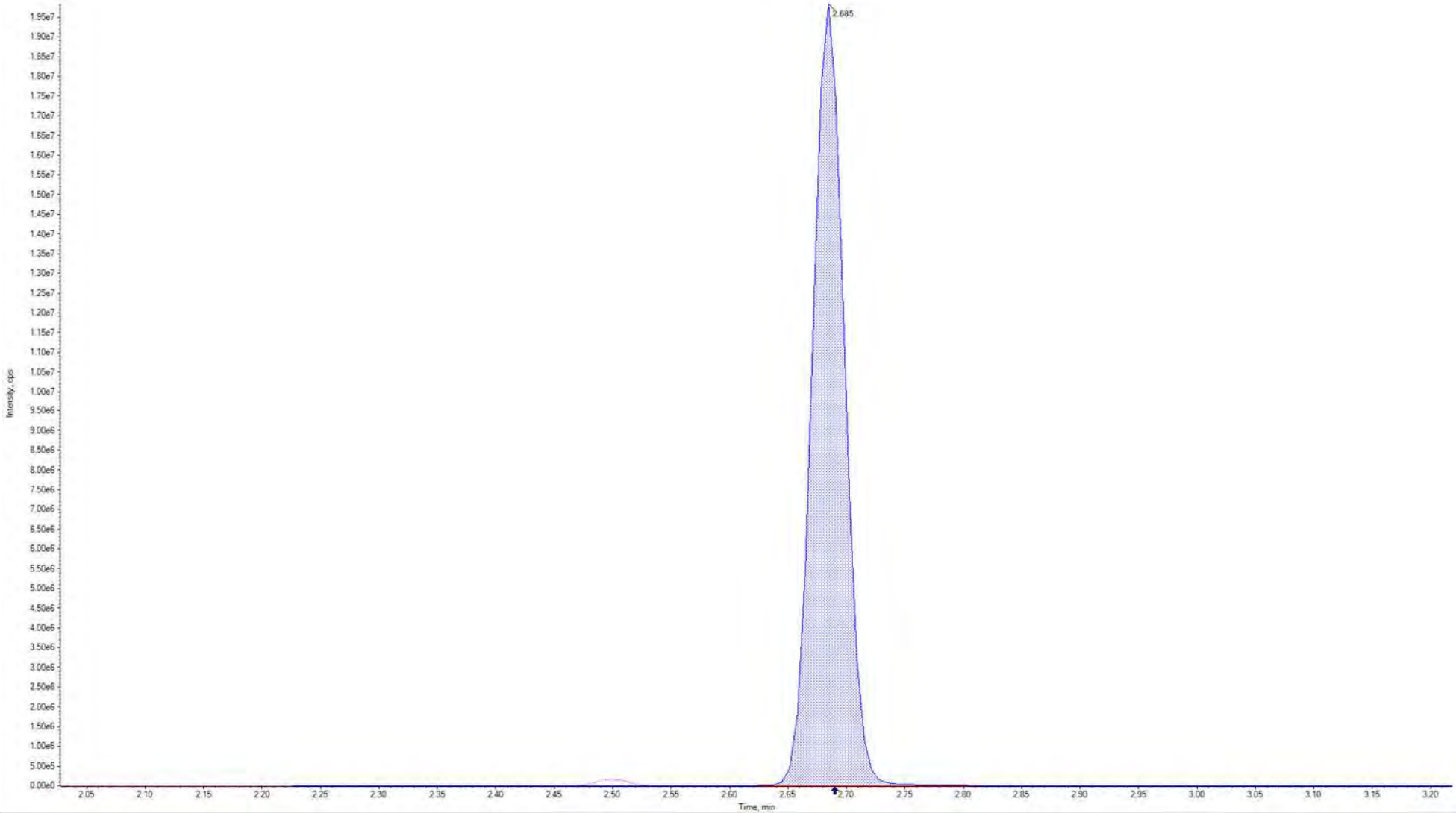
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

ADONA
Sample: IA1633STD-62.5 S/N:21919.2 Points Across peak:35



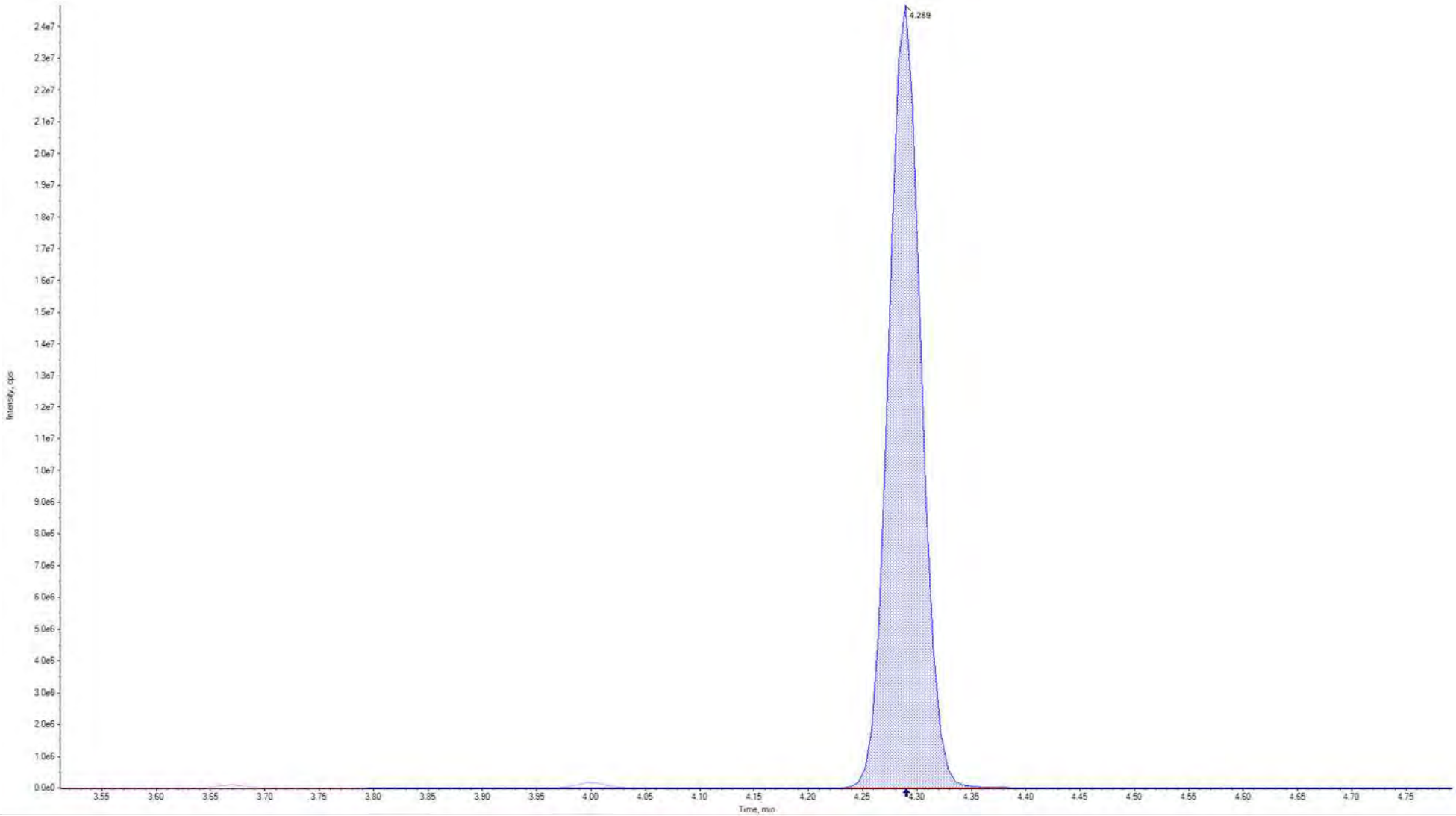
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

ADONA_2
Sample: IA1633STD-62.5 S/N:93728.5 Points Across peak:47



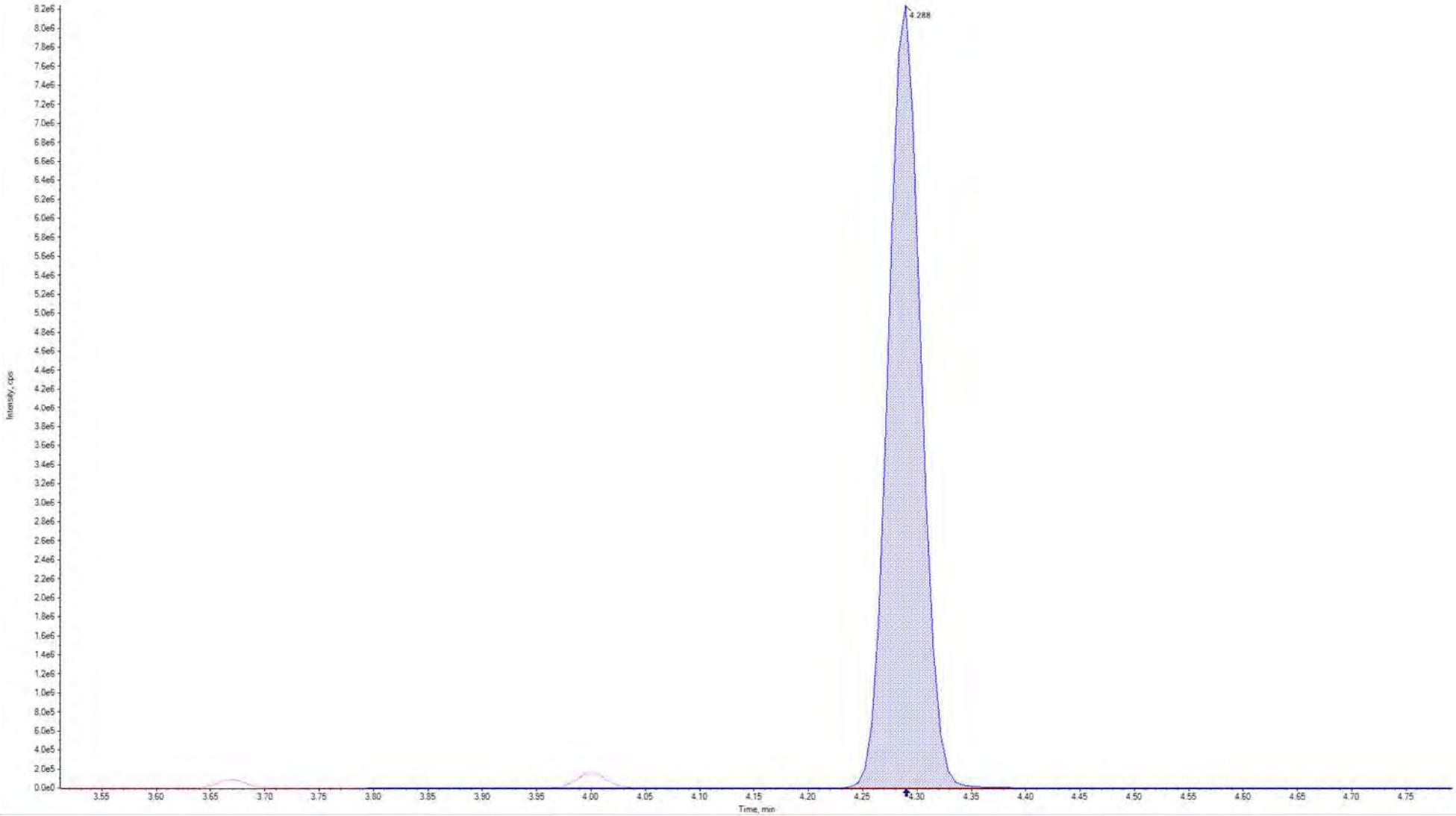
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

9Cl-PF3ONS
Sample: IA1633STD-62.5 S/N:6318.0 Points Across peak:36



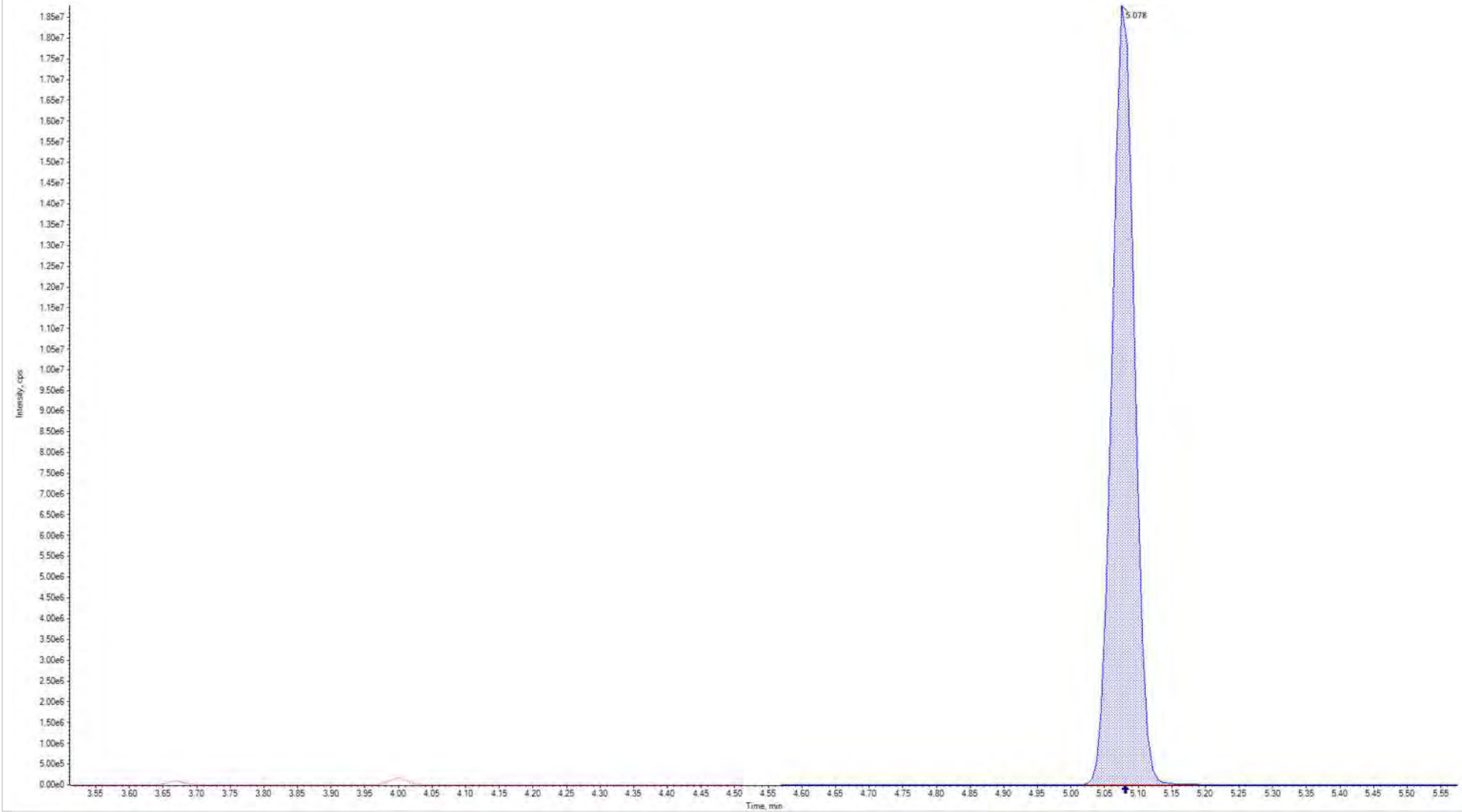
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

9Cl-PF3ONS_2
Sample: IA1633STD-62.5 S/N:6854.2 Points Across peak:39



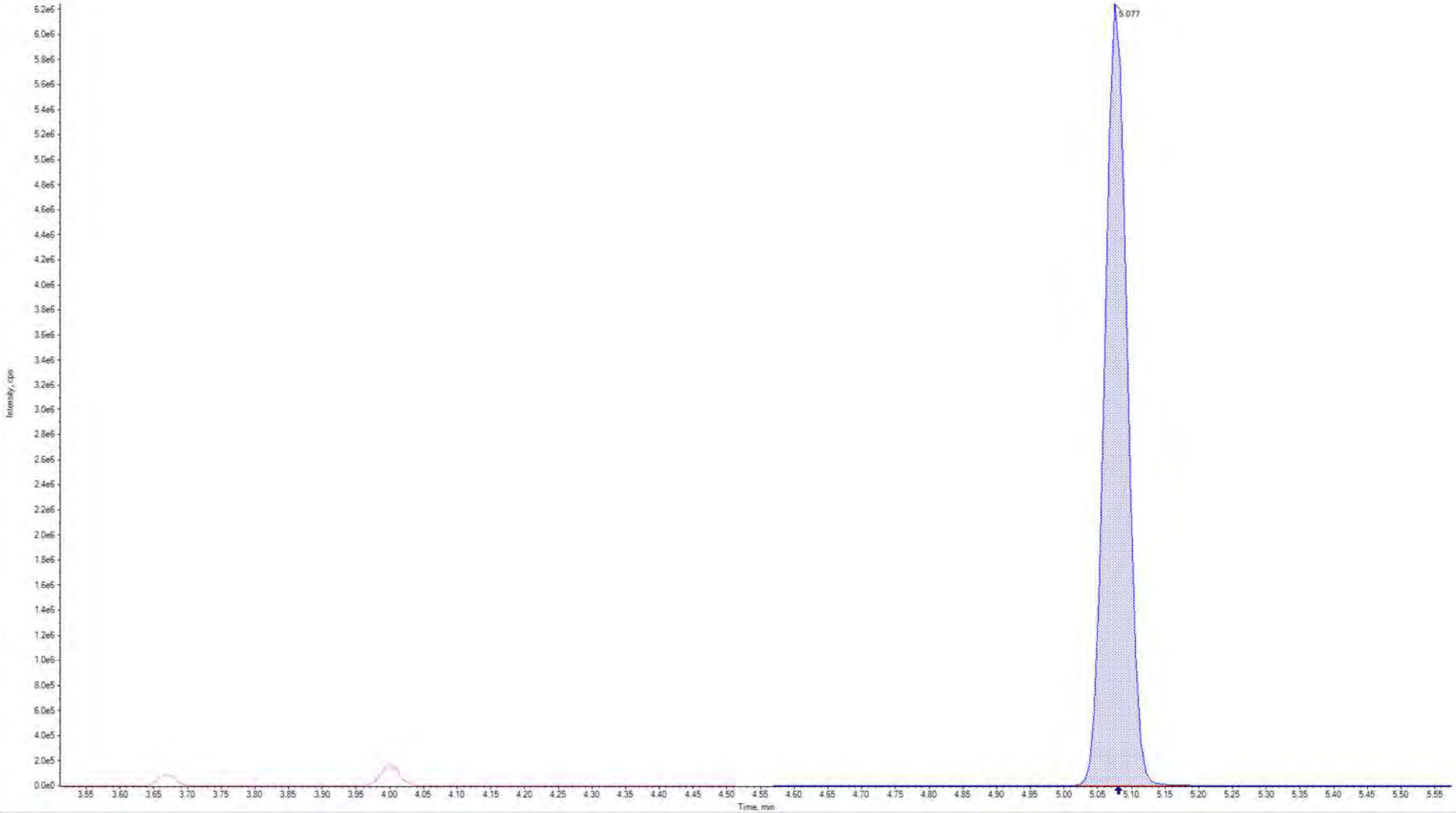
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

11Cl-PF3OUdS
Sample: IA1633STD-62.5 S/N:894638.4 Points Across peak:35



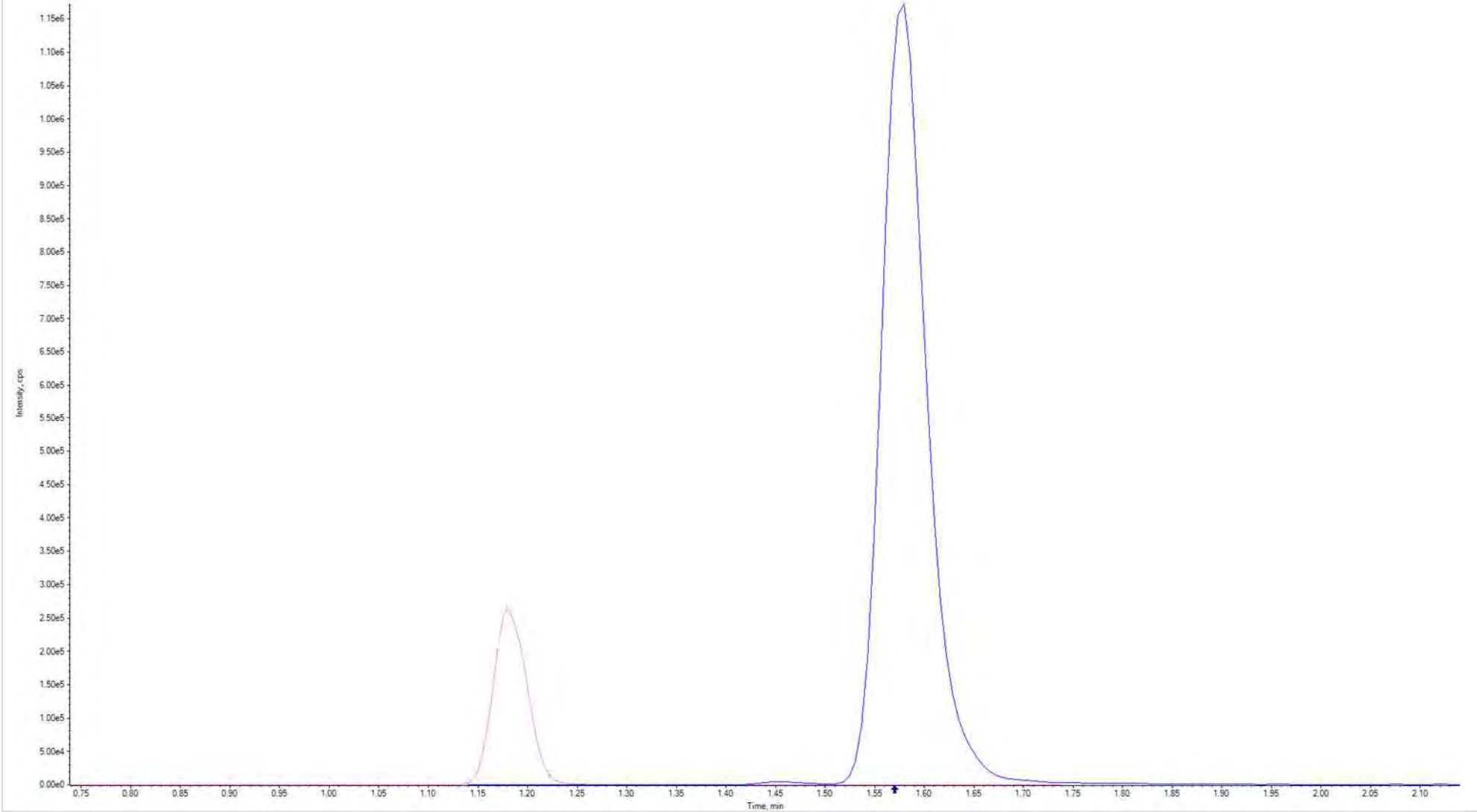
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-62.5 S/N:297361.6 Points Across peak:41



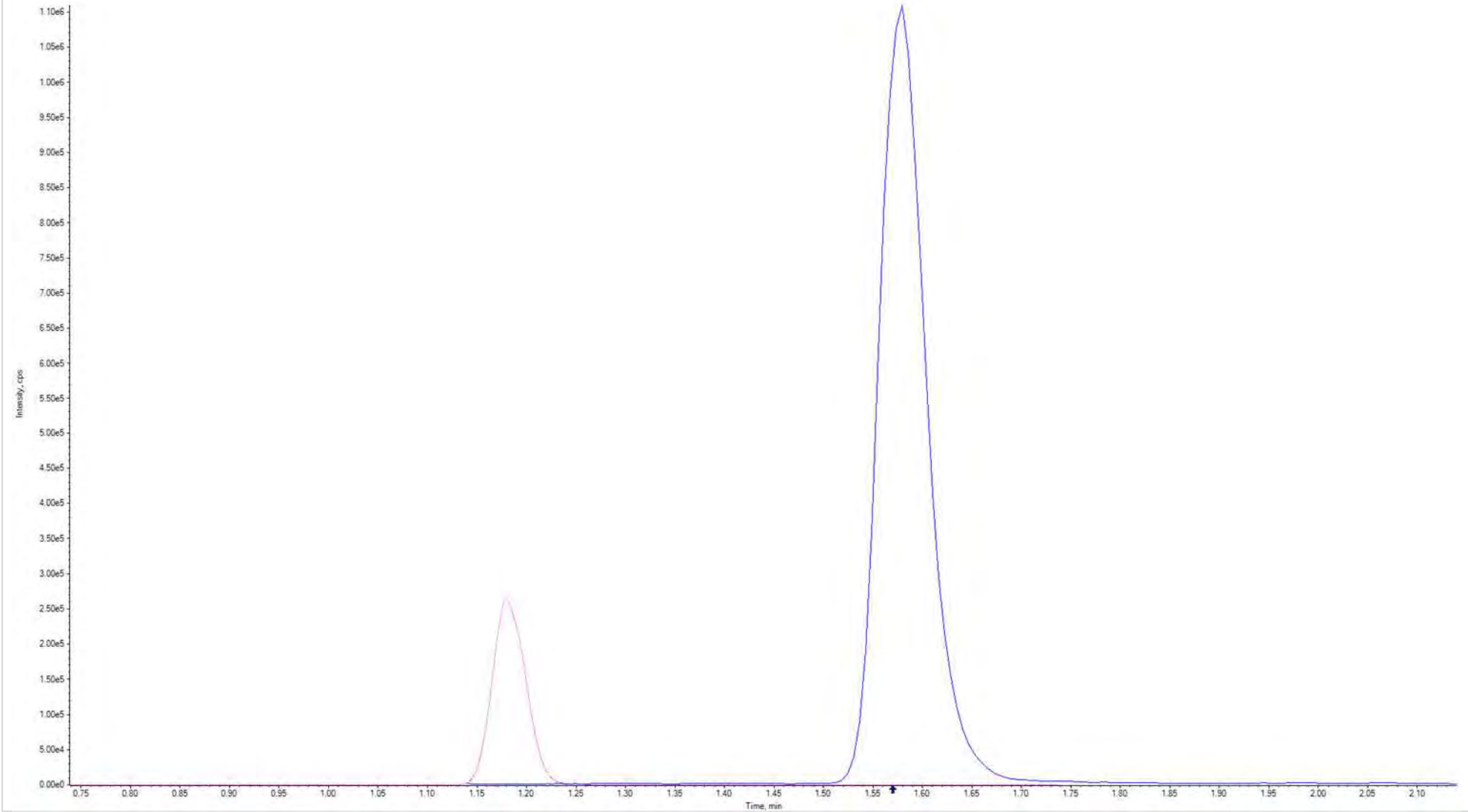
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

3:3FTCA
Sample: IA1633STD-62.5 S/N:N/A Points Across peak:N/A



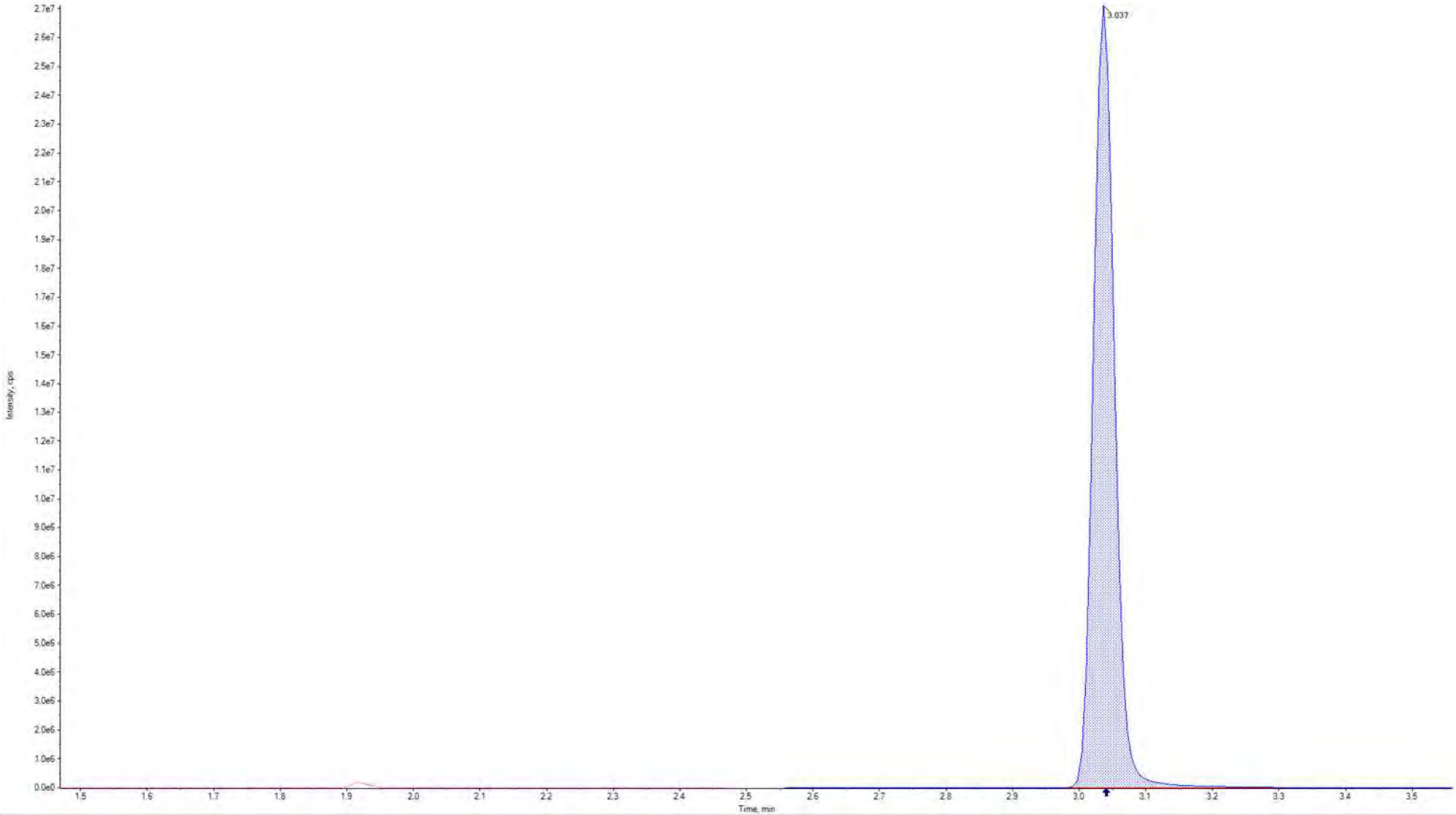
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

3:3FTCA_2
Sample: IA1633STD-62.5 S/N:N/A Points Across peak:N/A



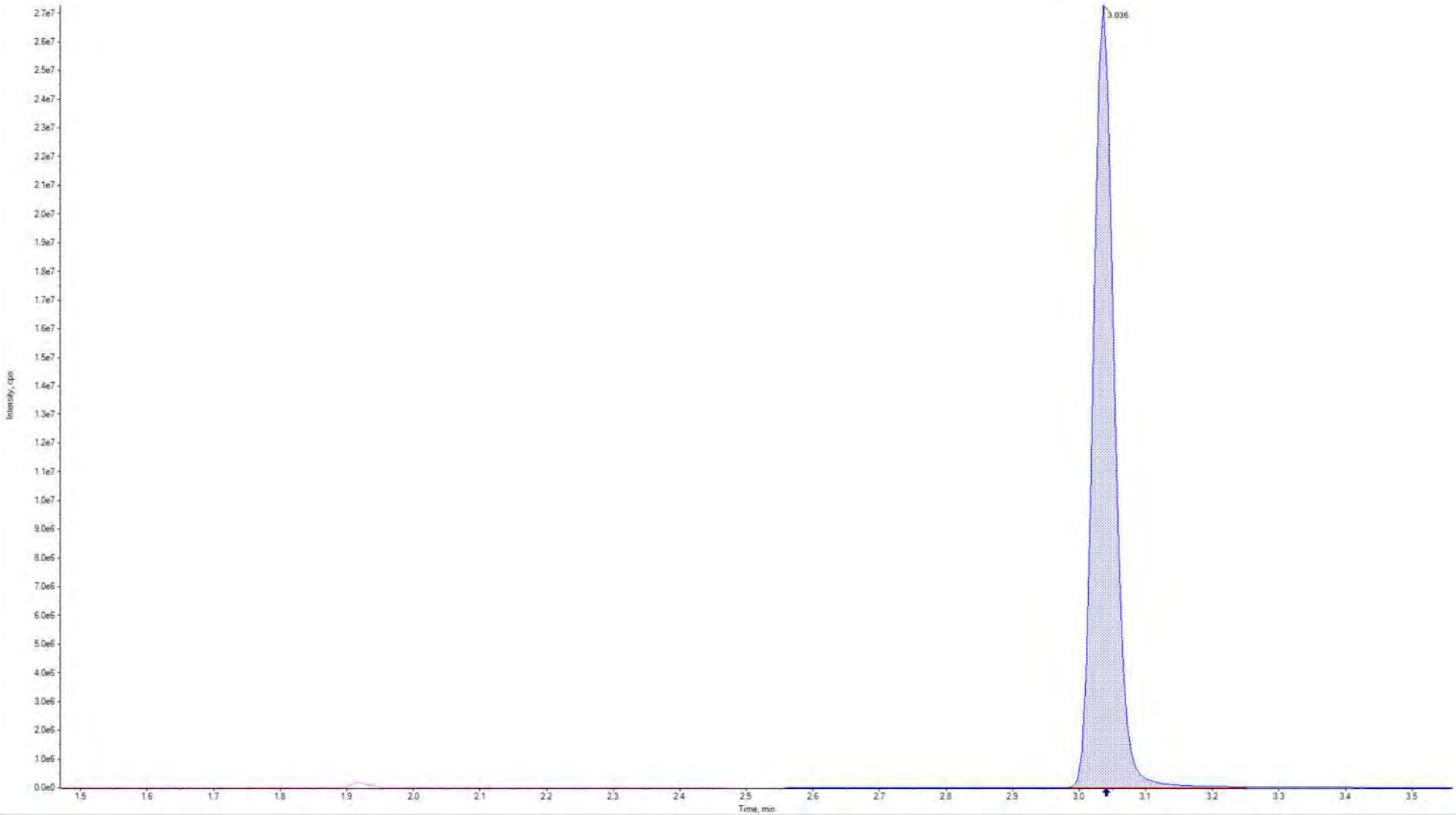
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

5:3FTCA
Sample: IA1633STD-62.5 S/N:30242.4 Points Across peak:65



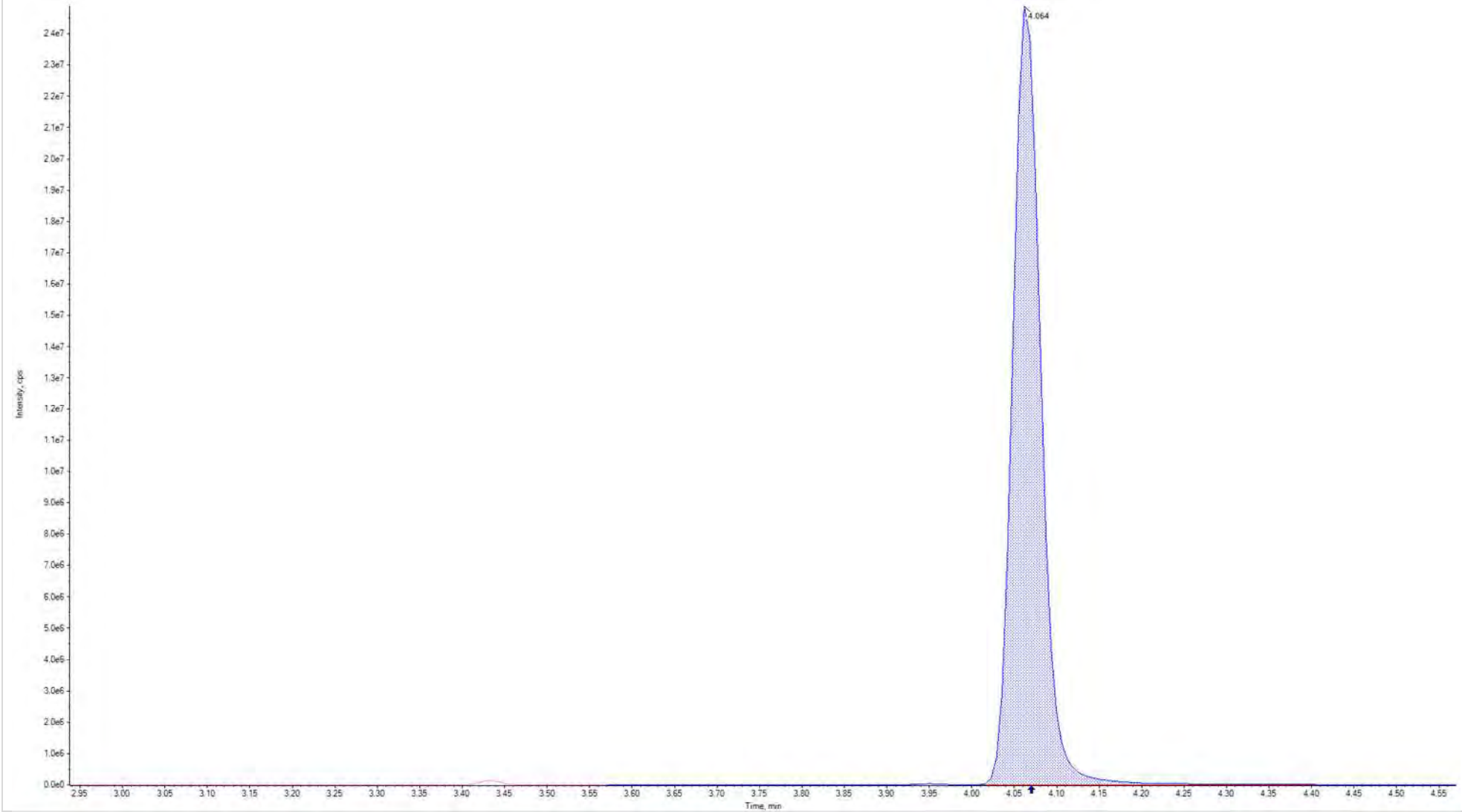
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

5:3FTCA_2
Sample: IA1633STD-62.5 S/N:14728.3 Points Across peak:49



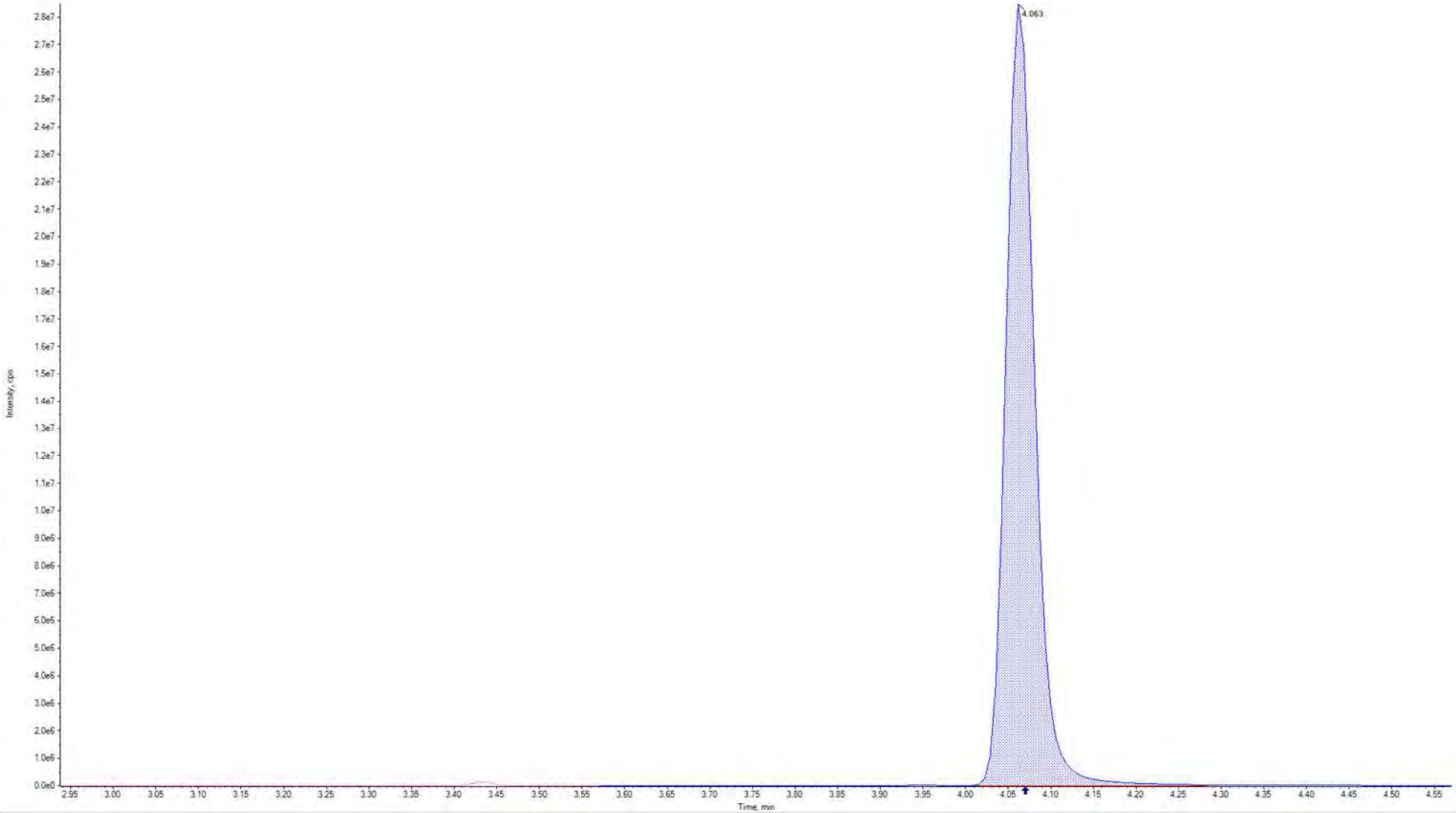
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

7:3FTCA
Sample: IA1633STD-62.5 S/N:22432.7 Points Across peak:68



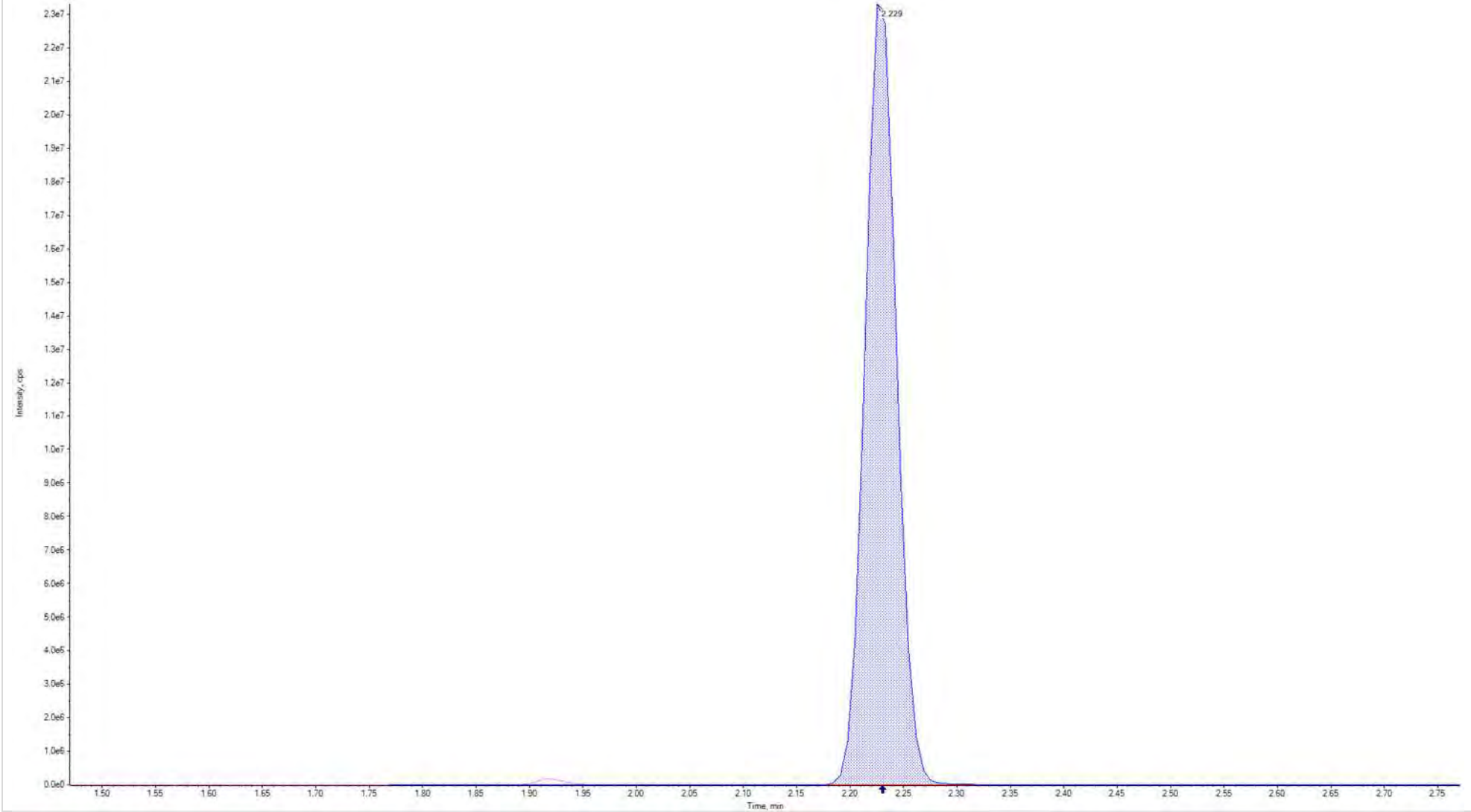
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

7:3FTCA_2
Sample: IA1633STD-62.5 S/N:20008.1 Points Across peak:46



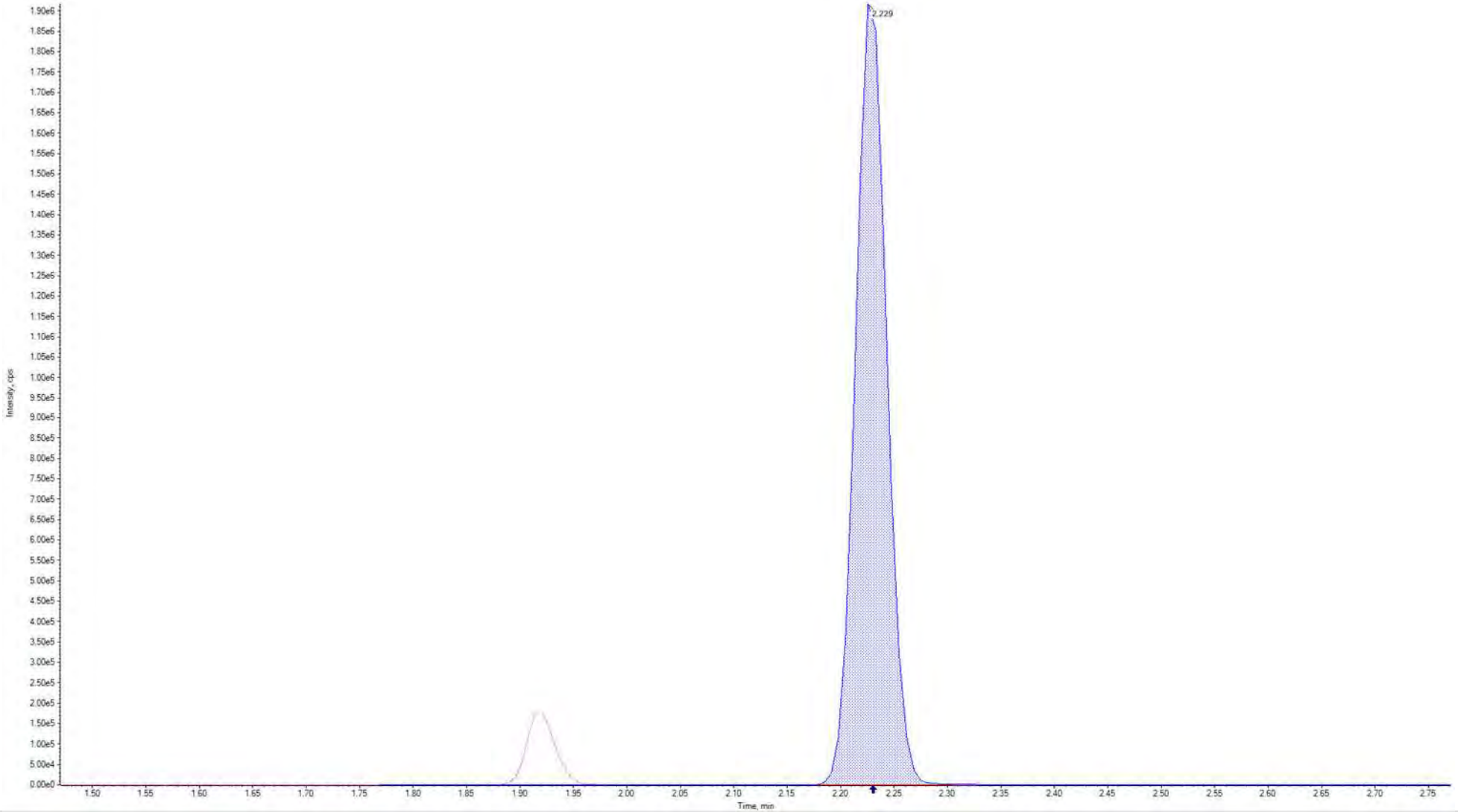
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFEESA
Sample: IA1633STD-62.5 S/N:8045.2 Points Across peak:34



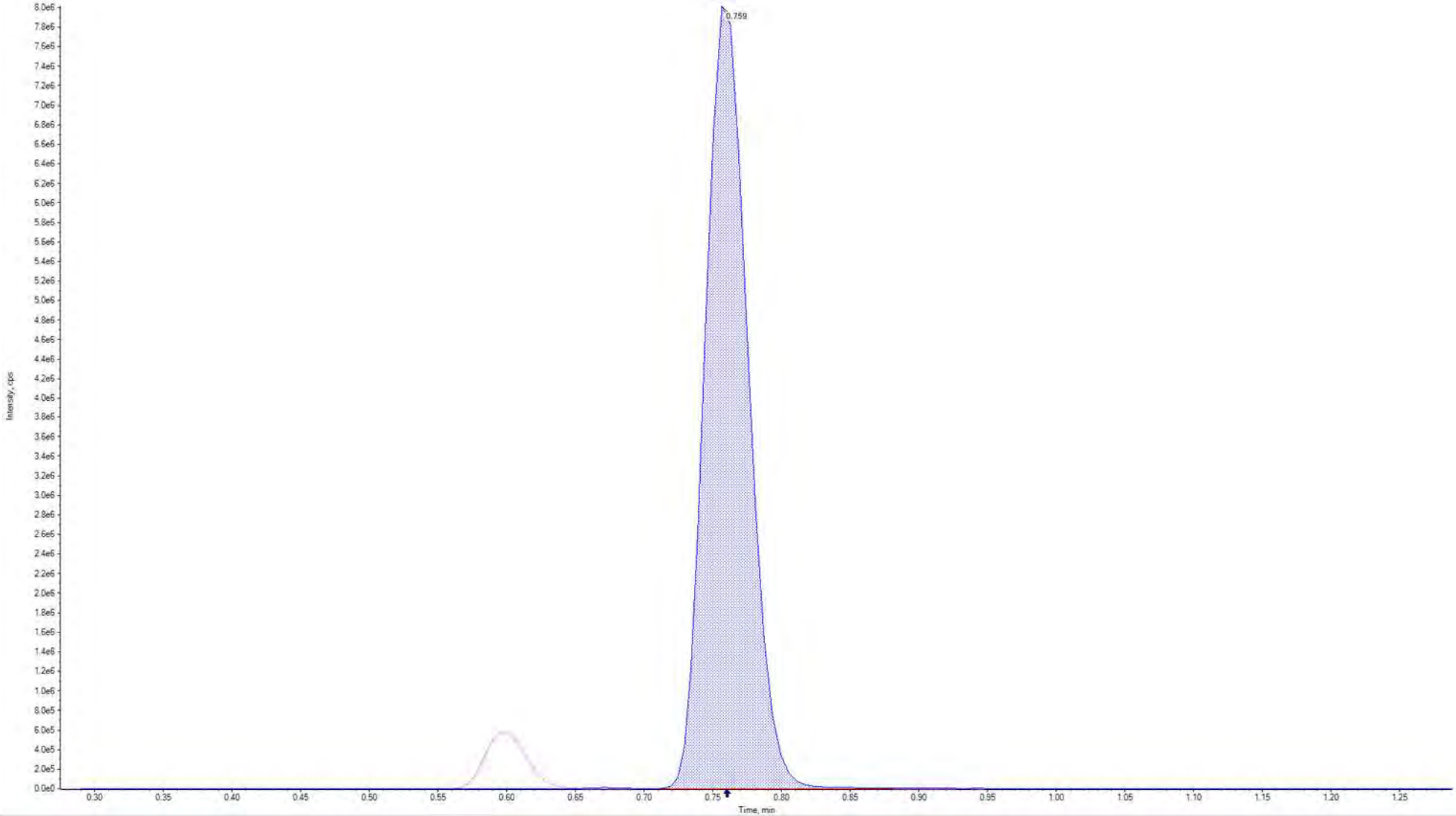
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFEESA_2
Sample: IA1633STD-62.5 S/N:7465.7 Points Across peak:24



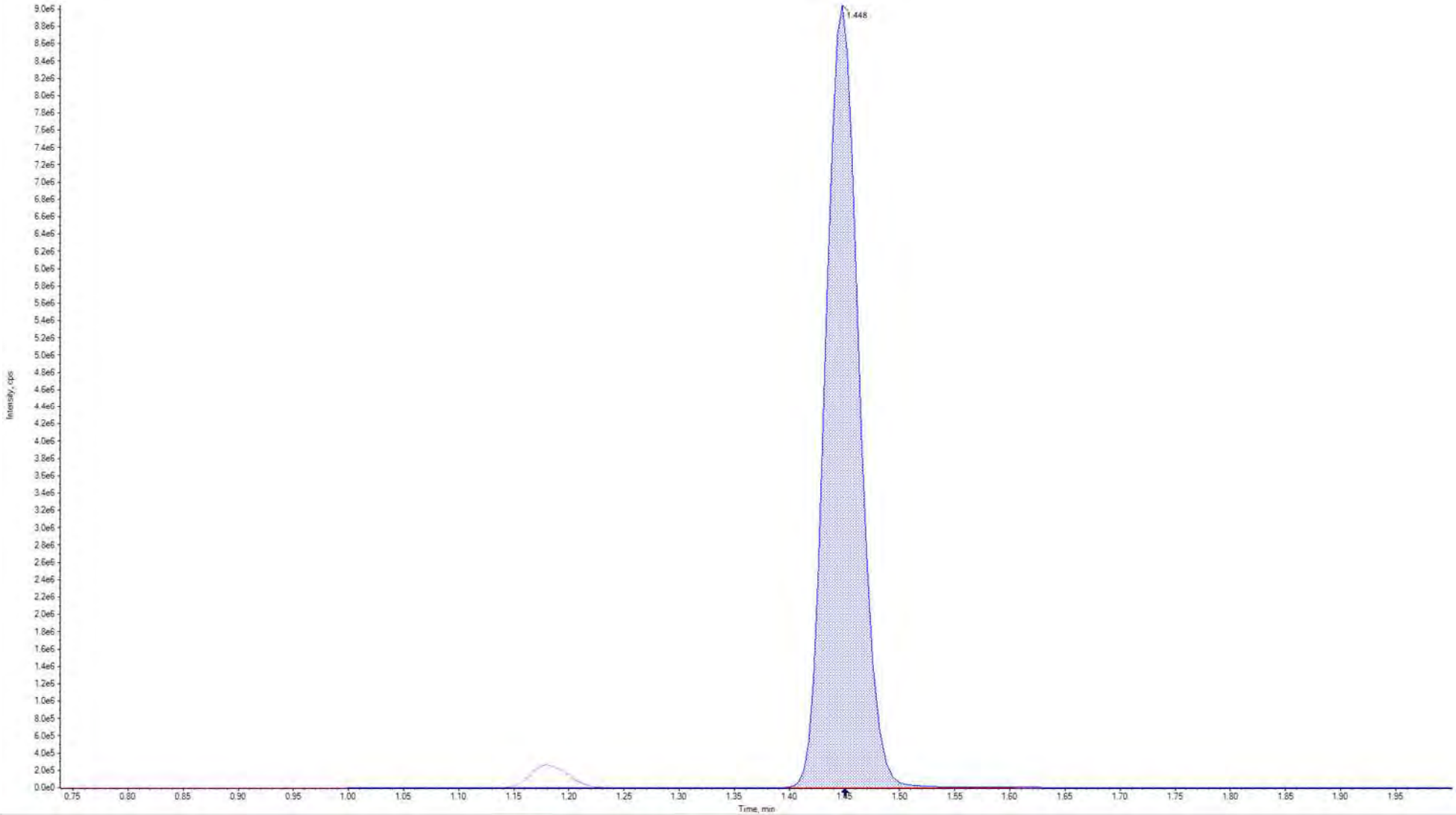
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFMPA
Sample: IA1633STD-62.5 S/N:30657.5 Points Across peak:32



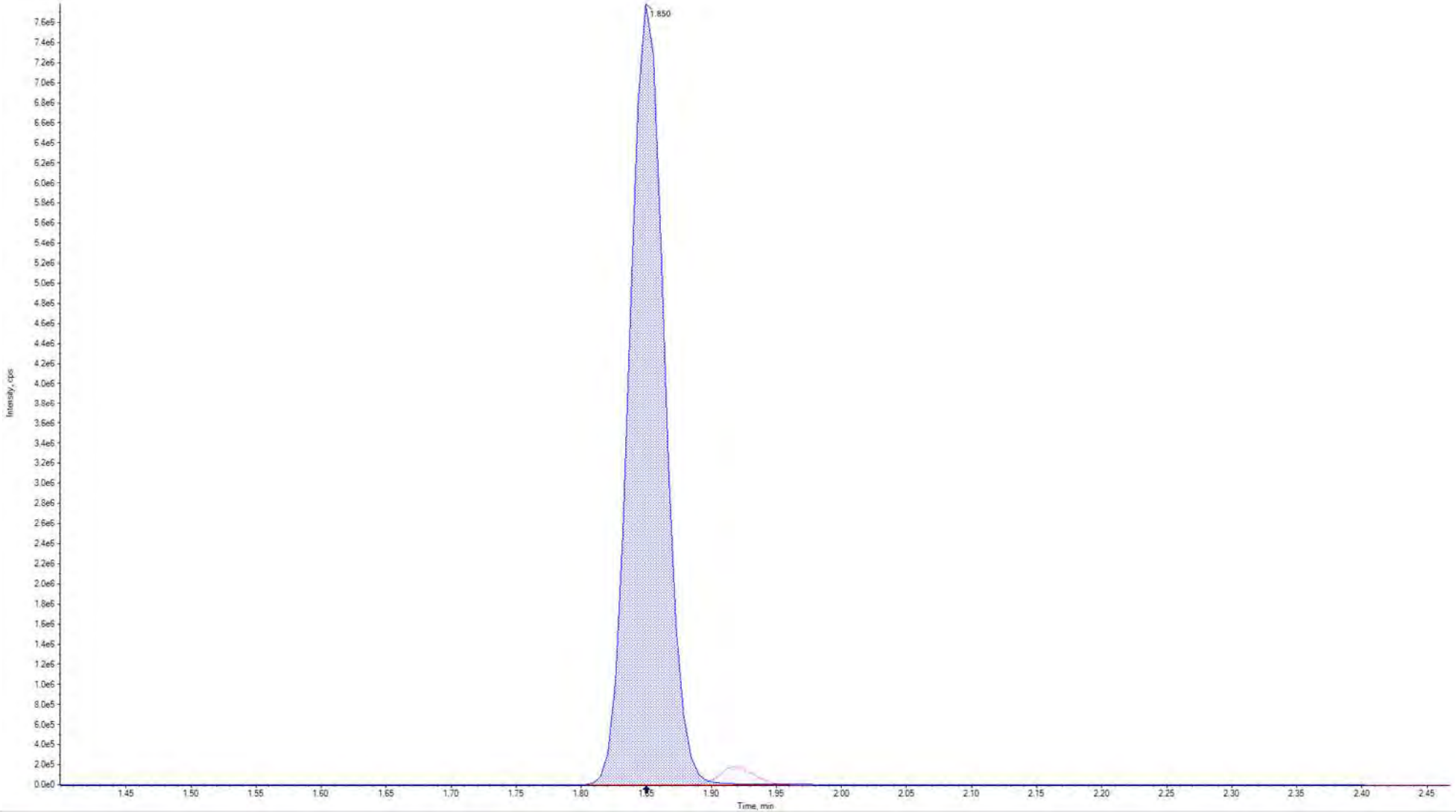
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

PFMBA
Sample: IA1633STD-62.5 S/N:38464.5 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

NFDHA
Sample: IA1633STD-62.5 S/N:214637.0 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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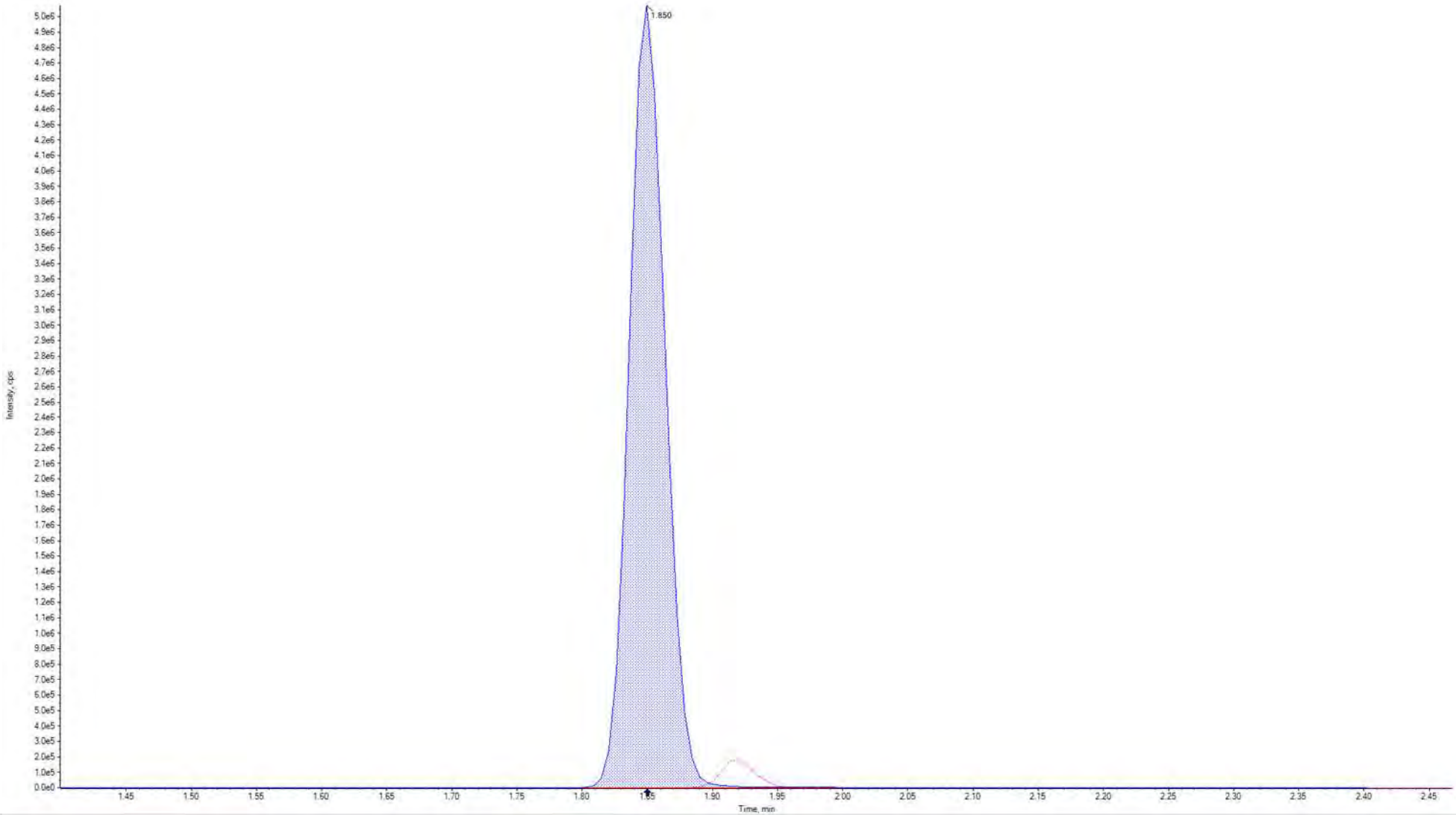
NFDHA_2
Sample: IA1633STD-62.5 S/N:44727.4 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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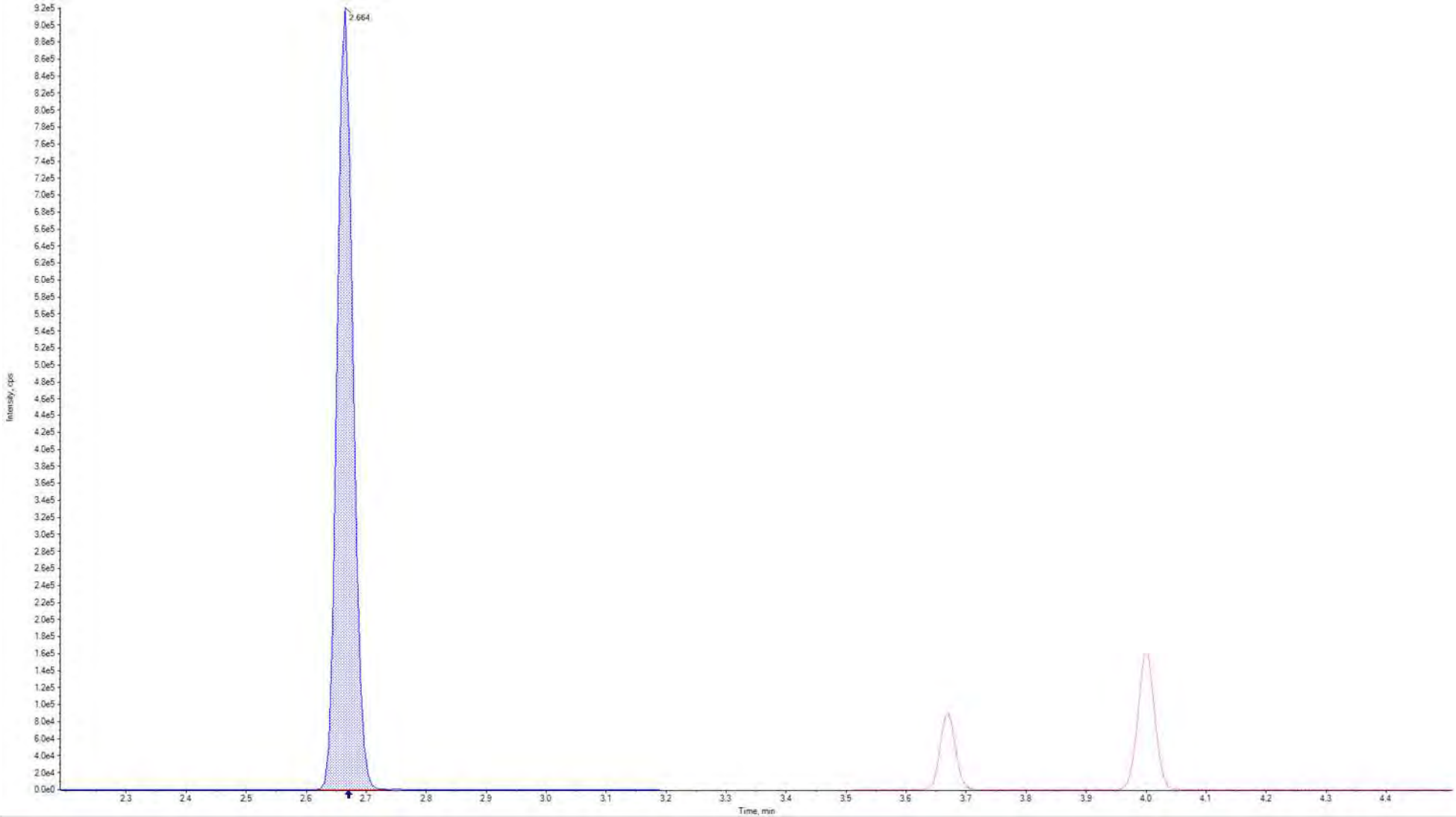
TDCA
Sample: IA1633STD-62.5 S/N:6403.7 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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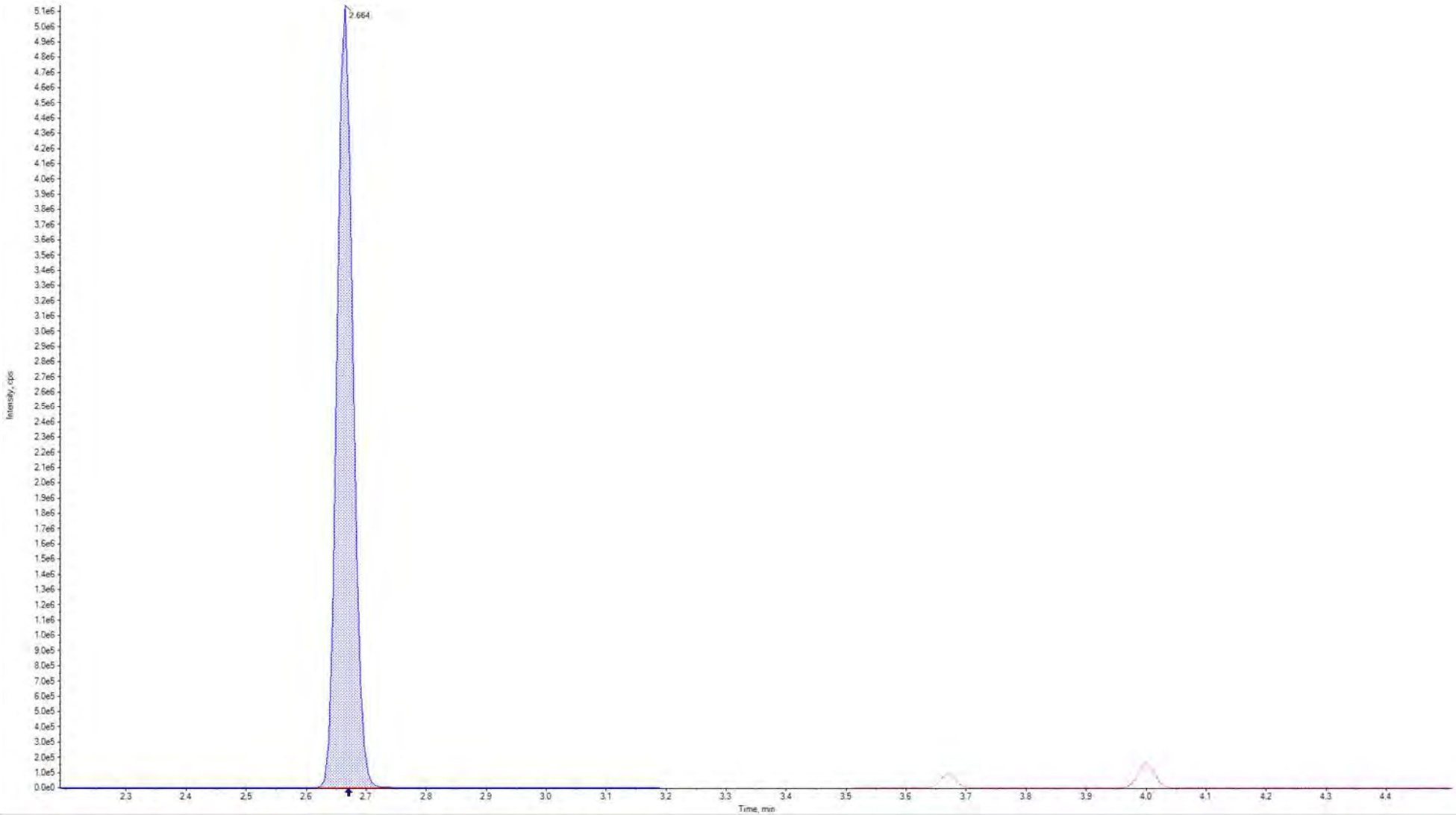
TDCA_2
Sample: IA1633STD-62.5 S/N:5733.5 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
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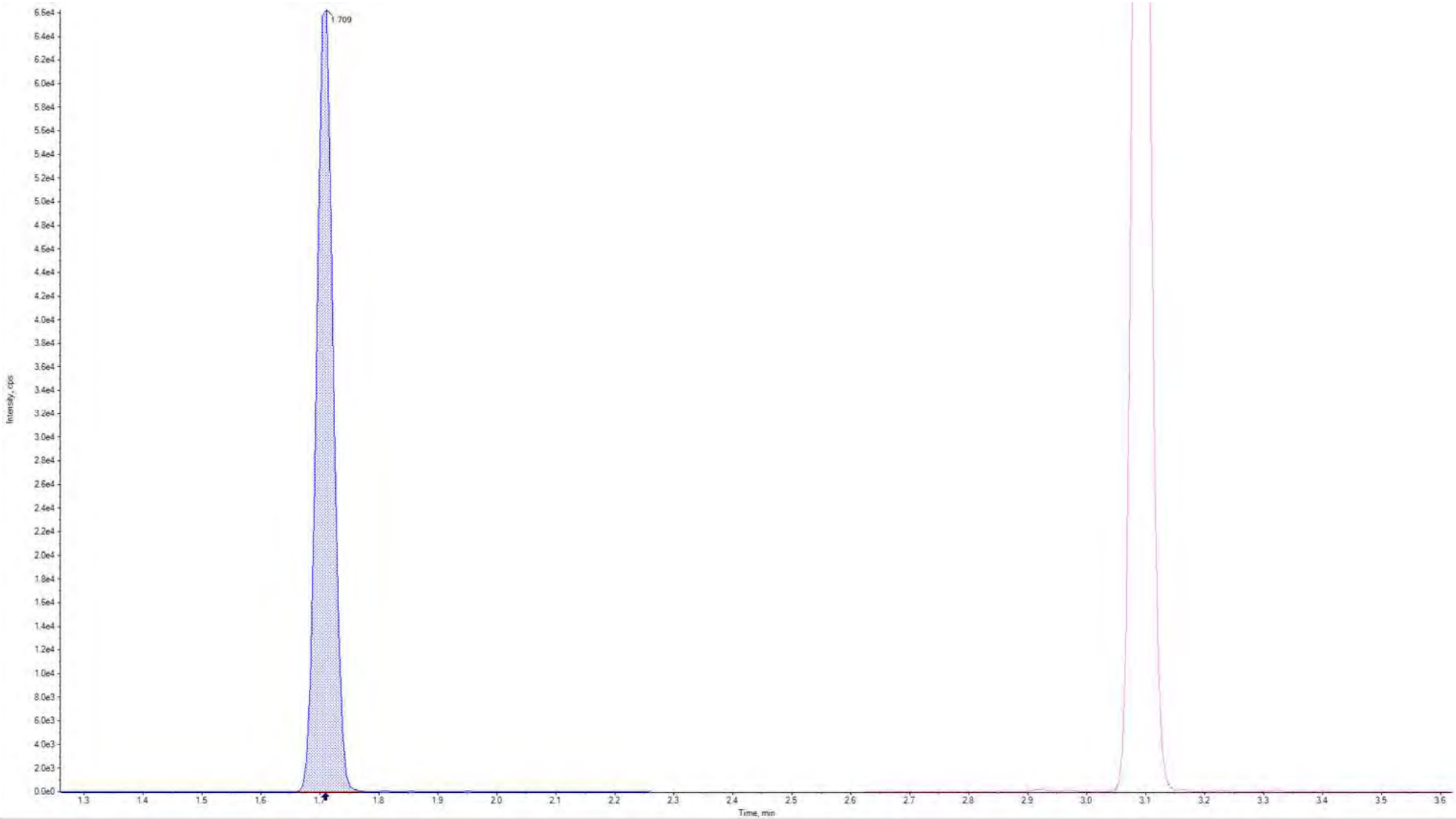
13C2D4-4:2FTS
Sample: IA1633STD-62.5 S/N:2490.8 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
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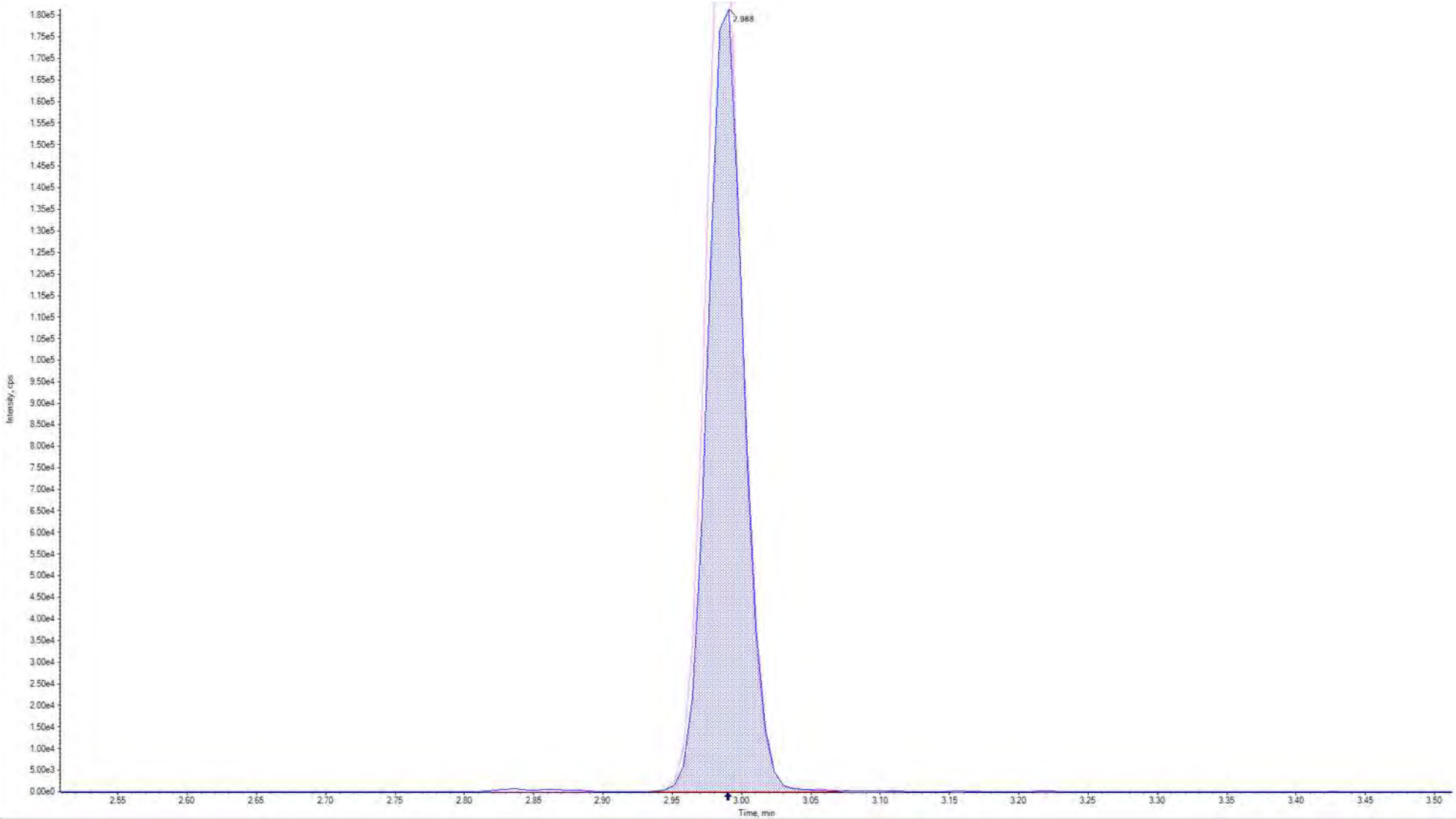
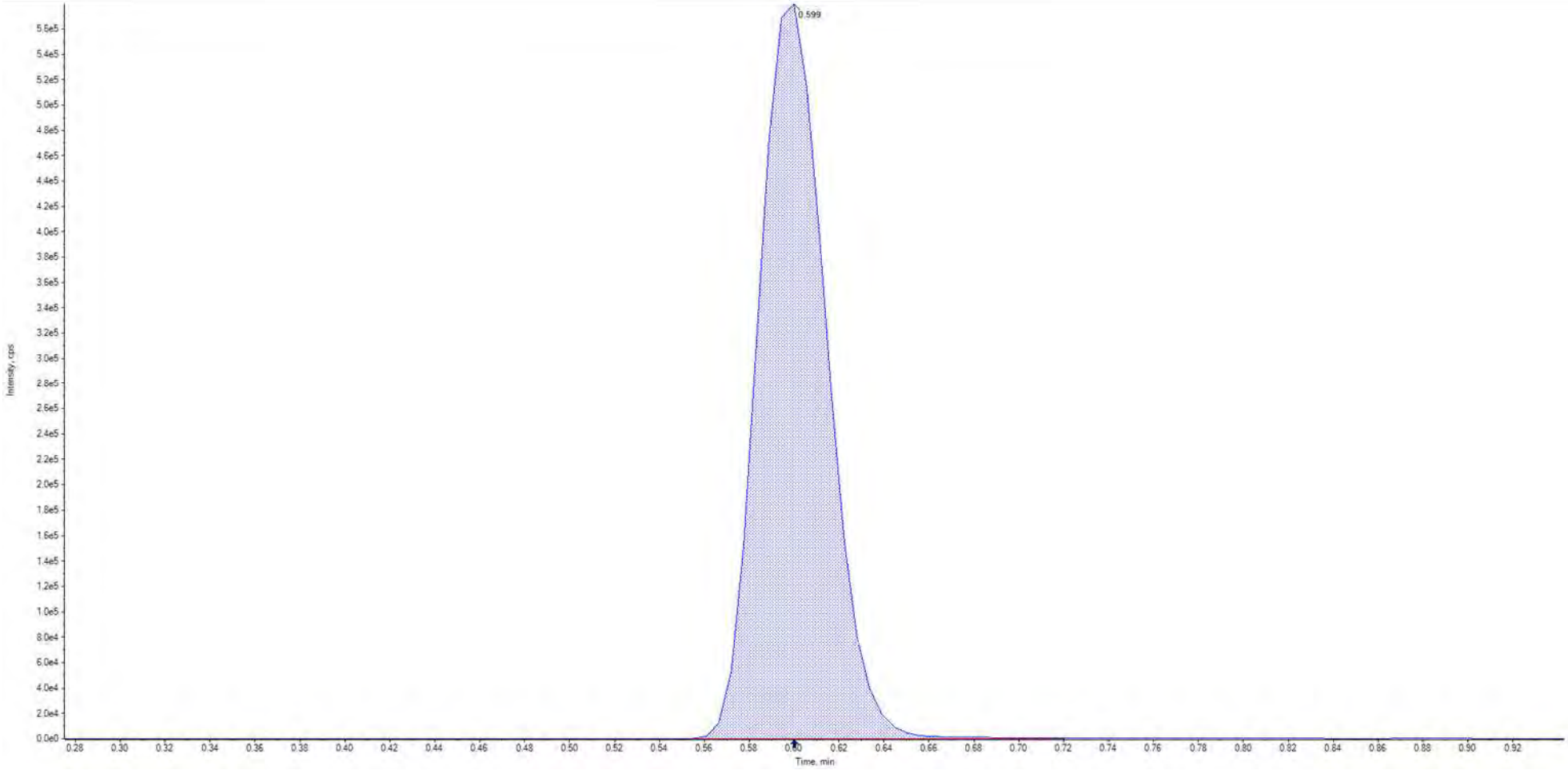
13C2-PFOA
Sample: IA1633STD-62.5 S/N:4091.7 Points Across peak:26



13C4-PFBA
Sample: IA1633STD-62.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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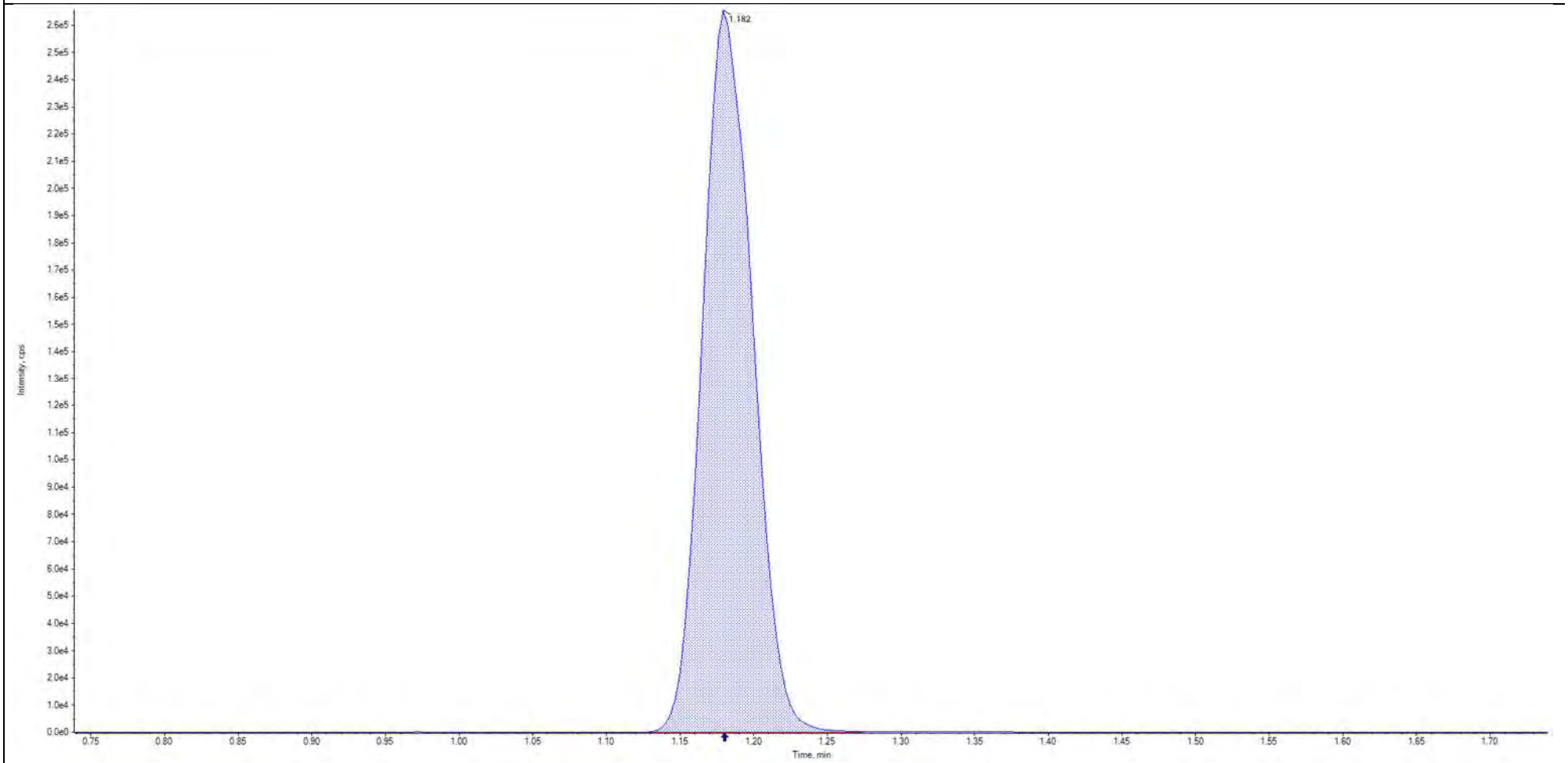
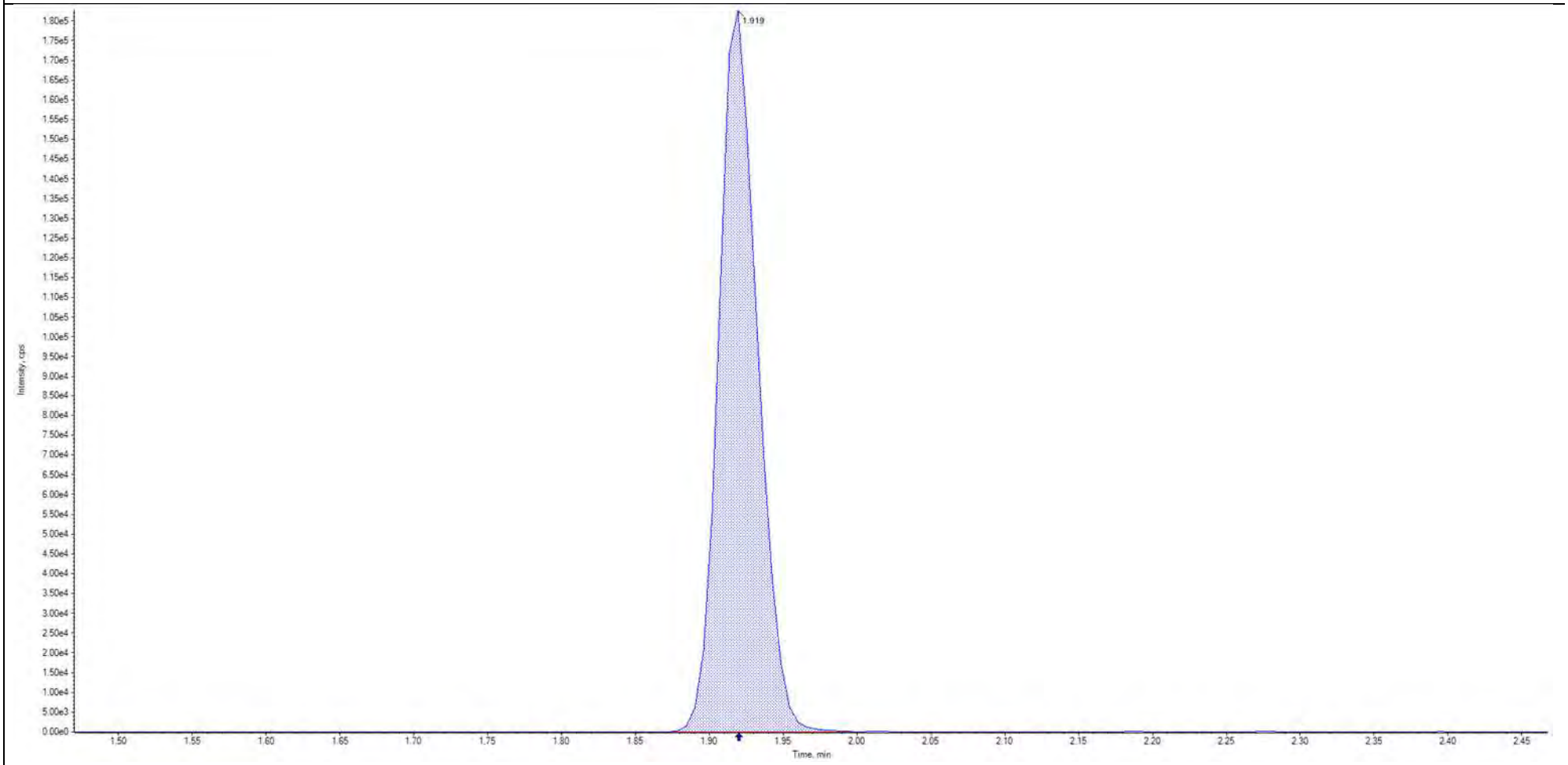
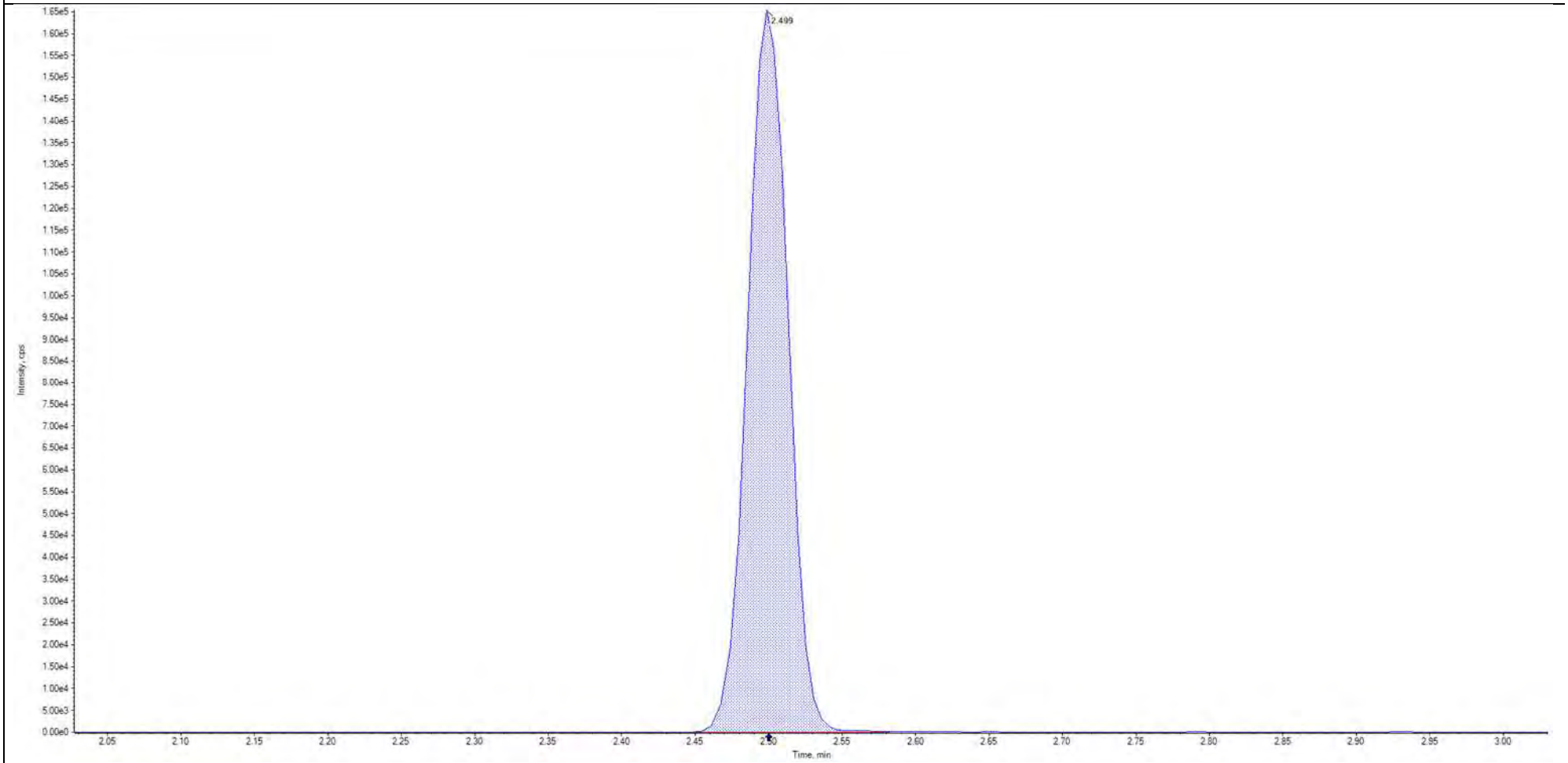
13C5-PFPeA
Sample: IA1633STD-62.5



13C5-PFHxA
Sample: IA1633STD-62.5



13C4-PFHpA
Sample: IA1633STD-62.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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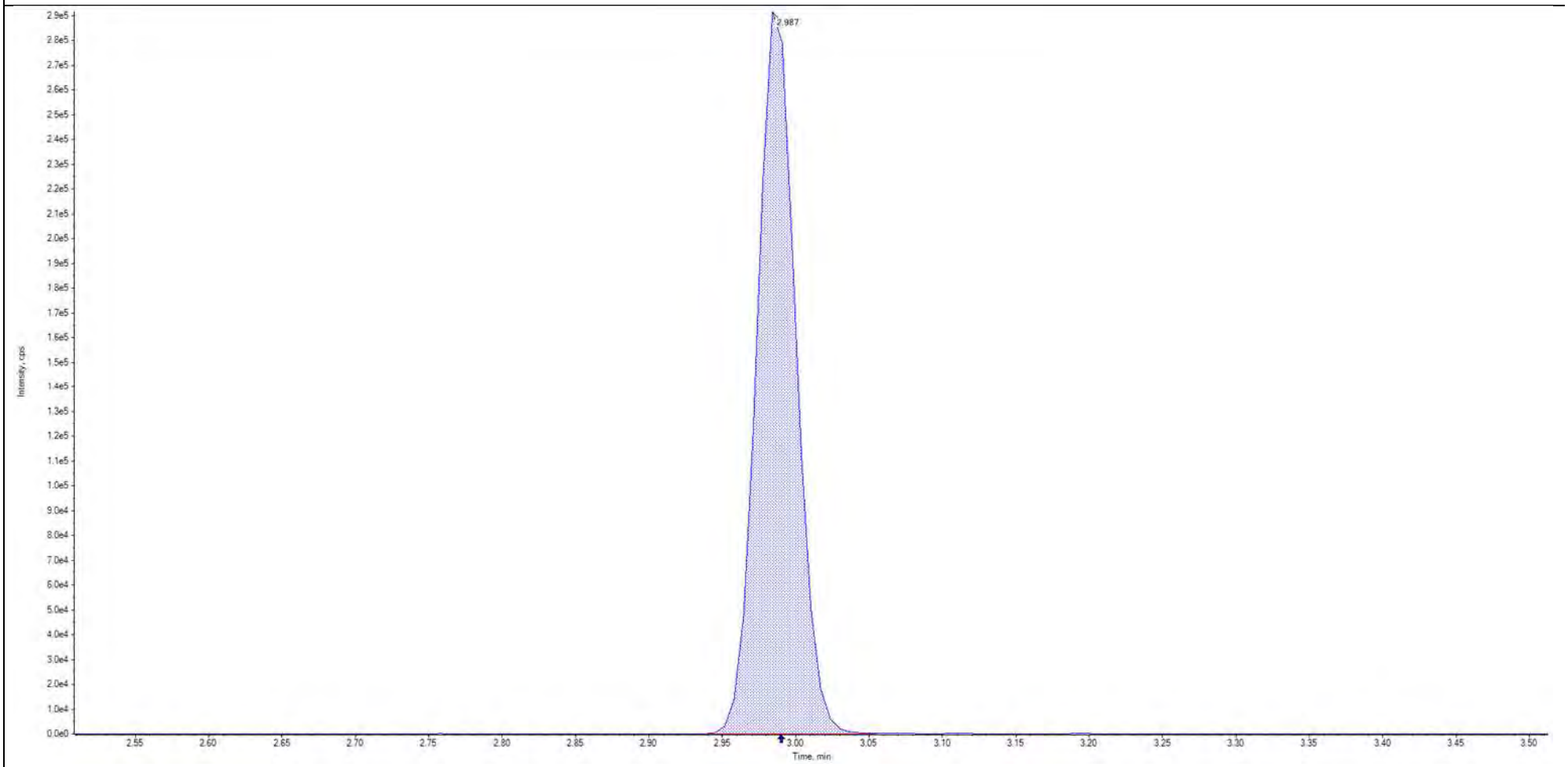
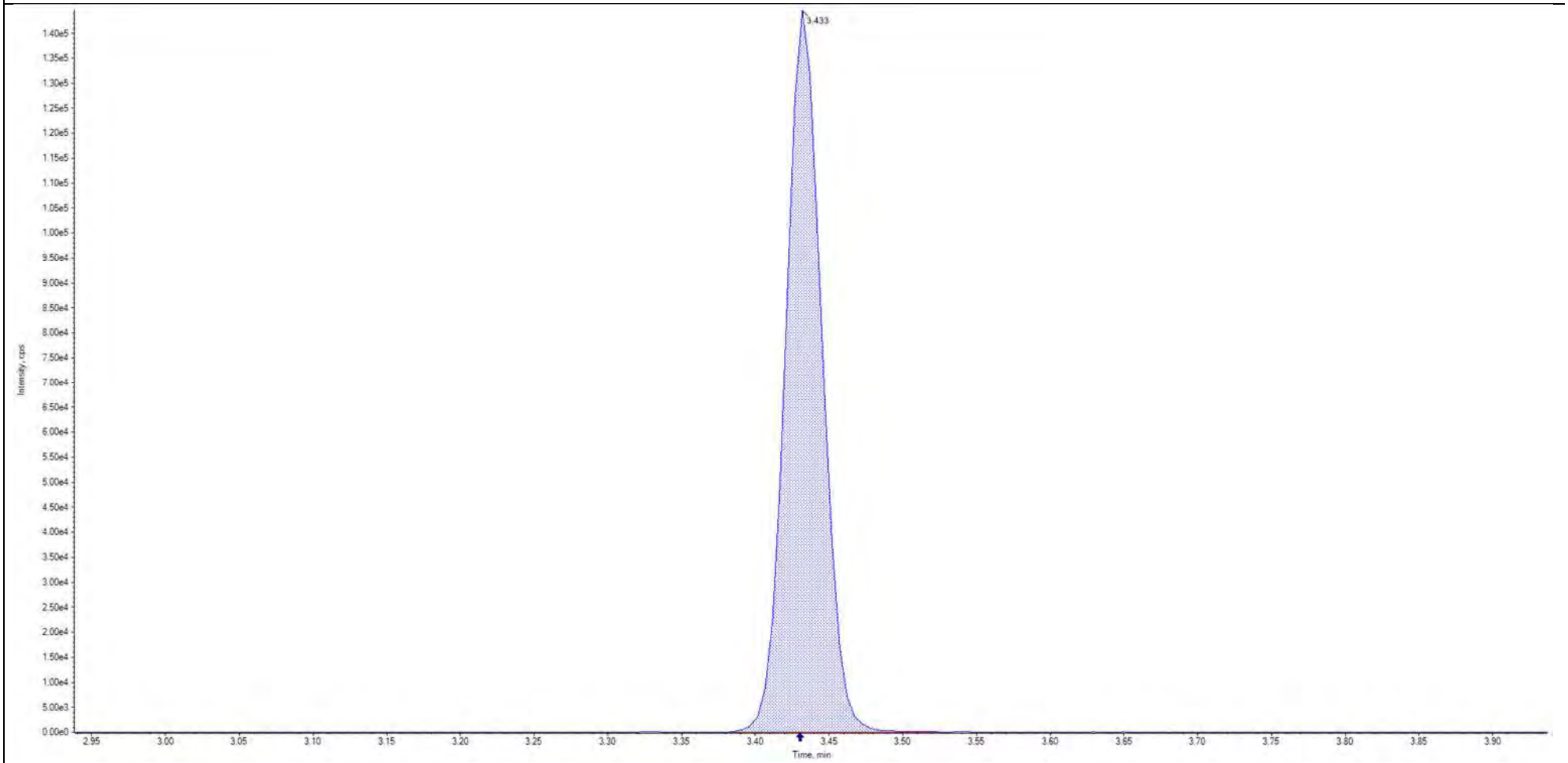
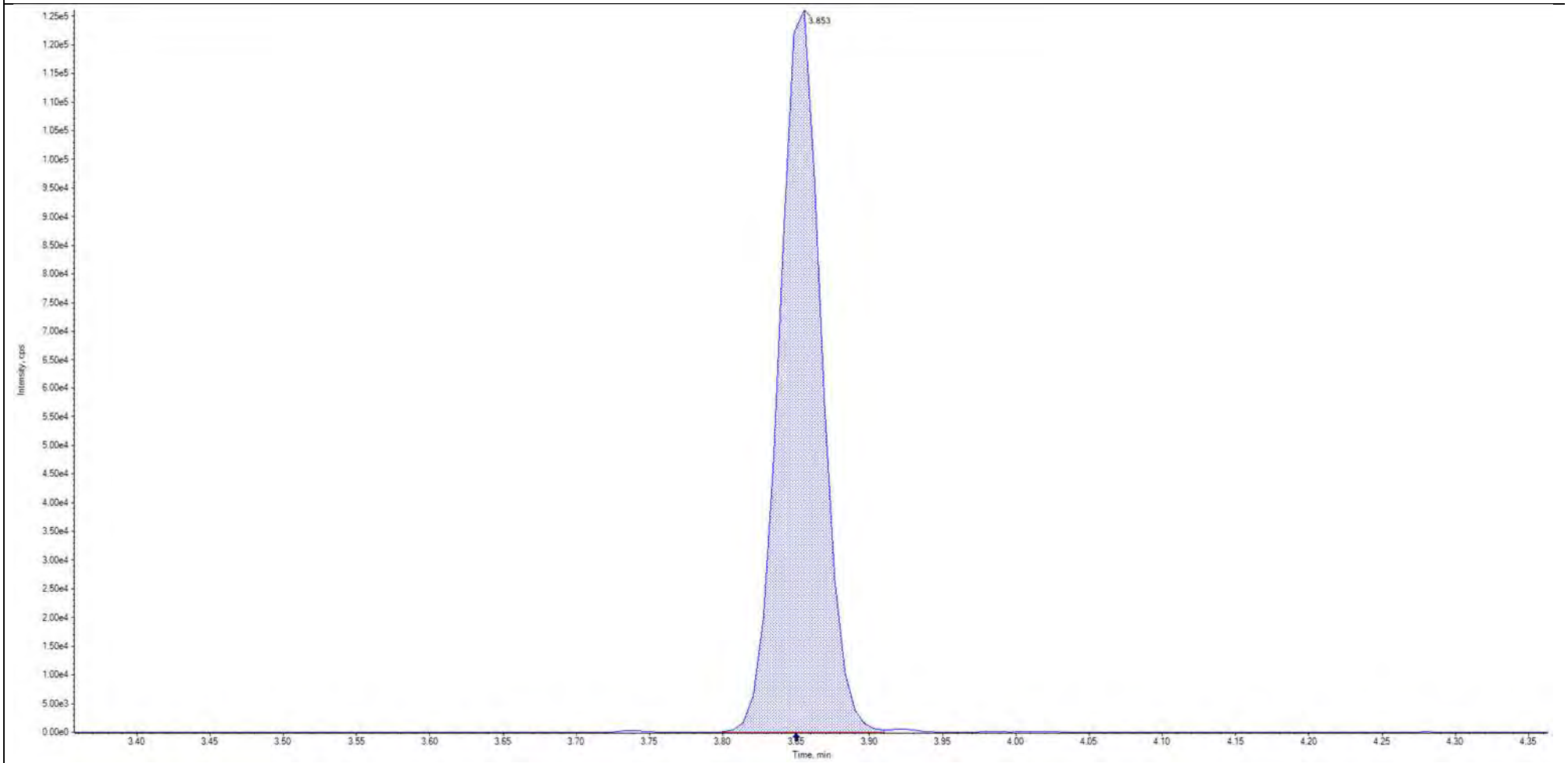
13C8-PFOA
Sample: IA1633STD-62.5



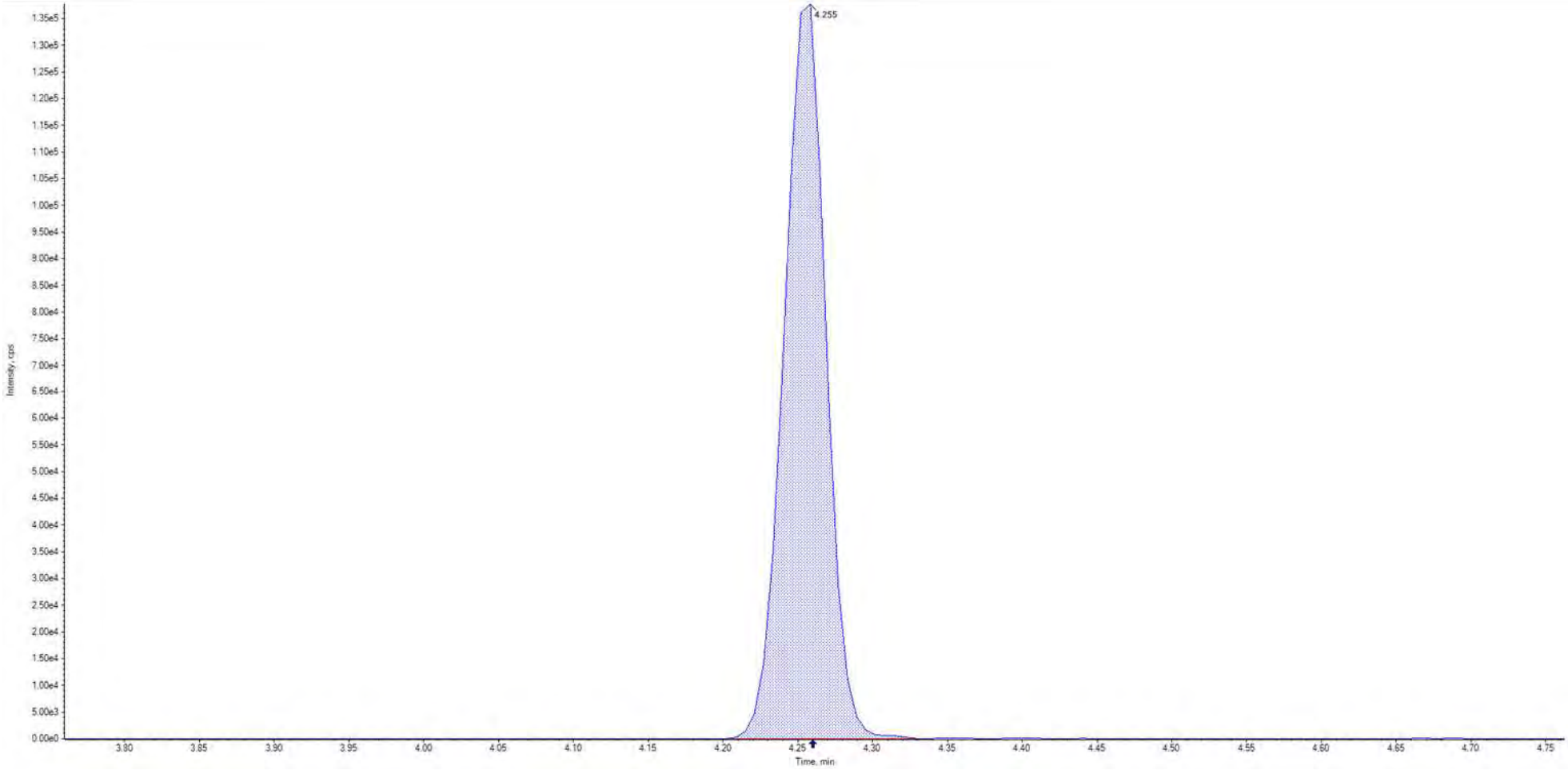
13C9-PFNA
Sample: IA1633STD-62.5



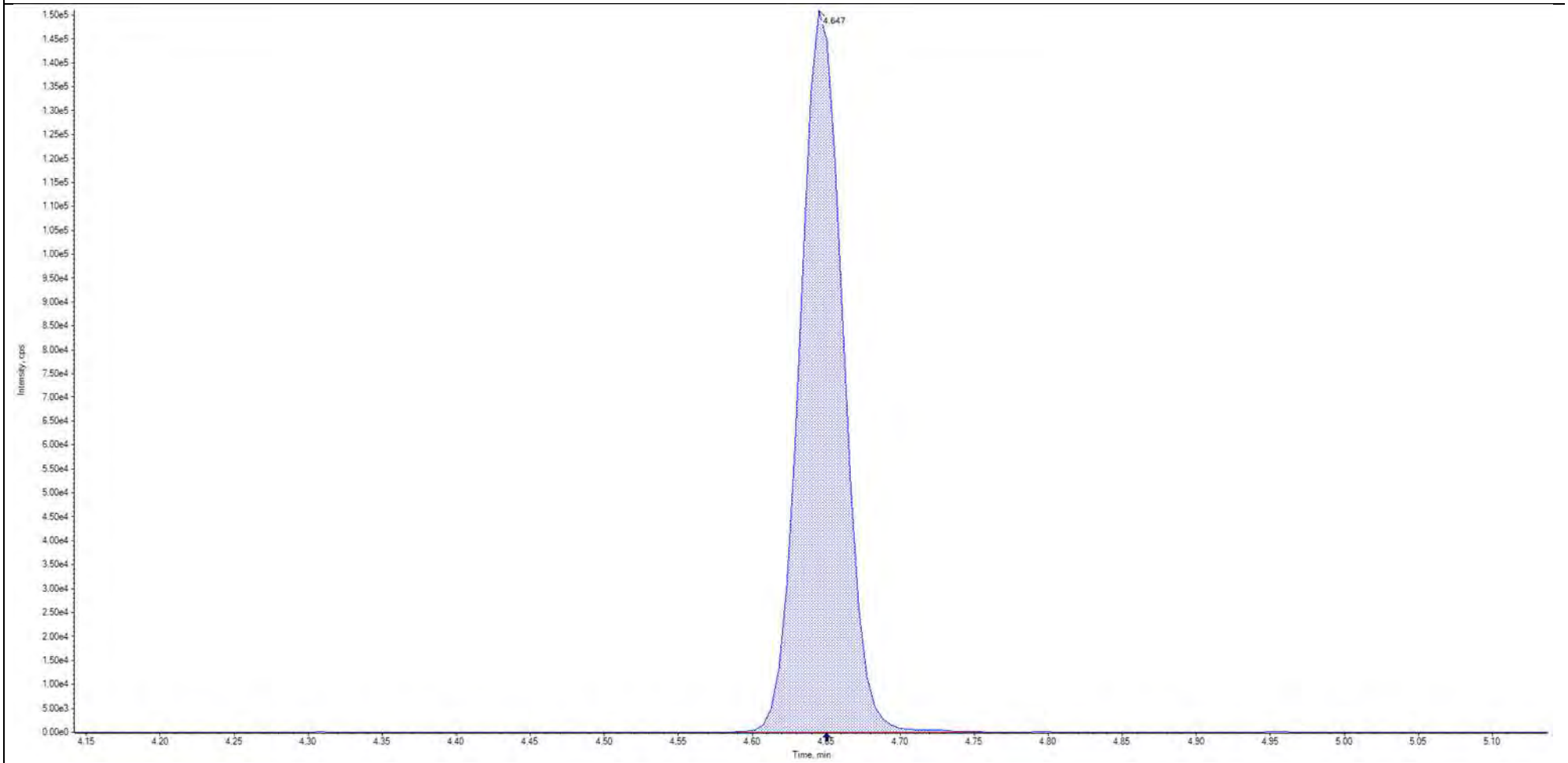
13C6-PFDA
Sample: IA1633STD-62.5



13C7-PFUnA
Sample: IA1633STD-62.5



13C2-PFDoA
Sample: IA1633STD-62.5



13C2-PFTeDA
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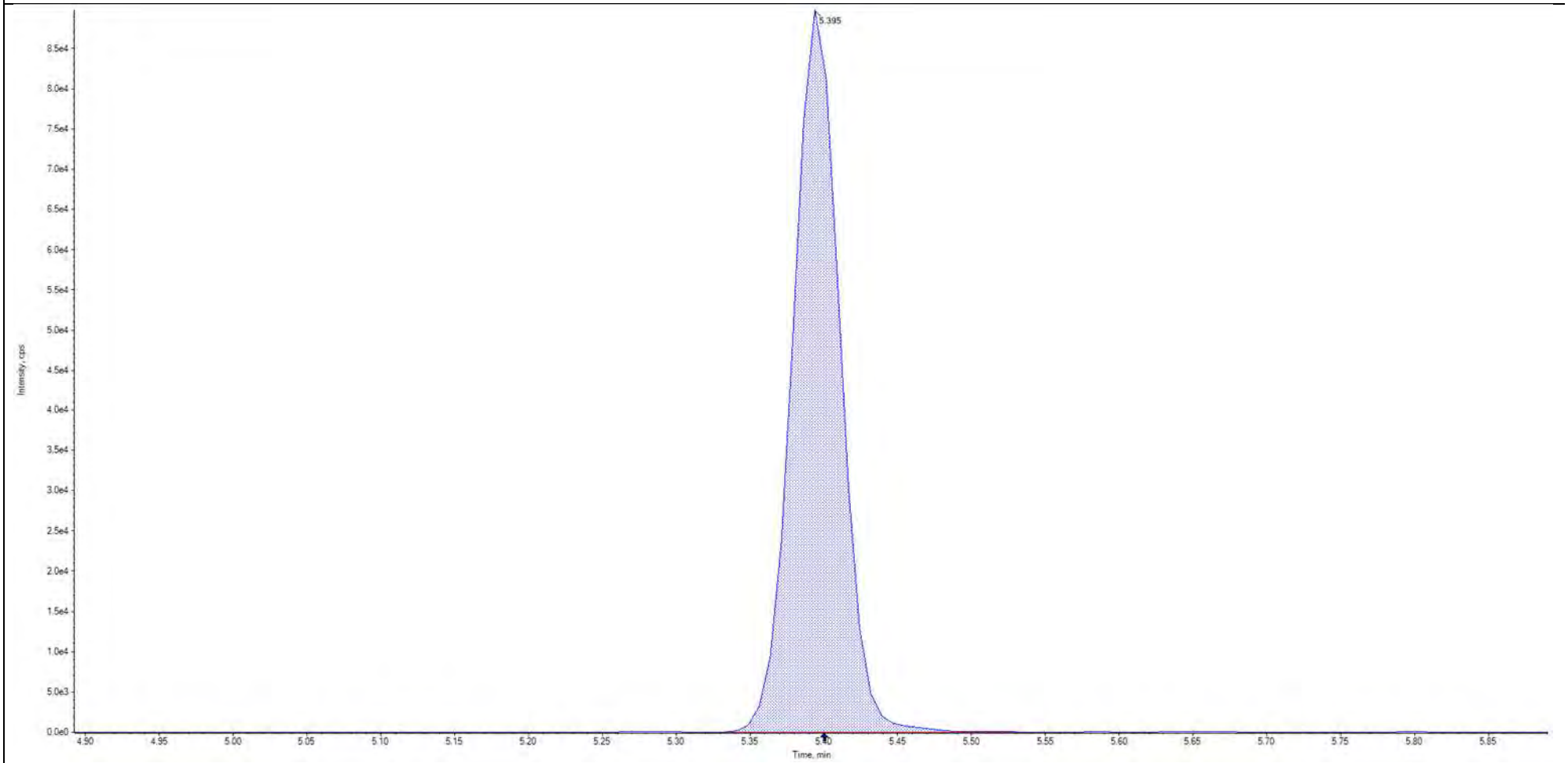
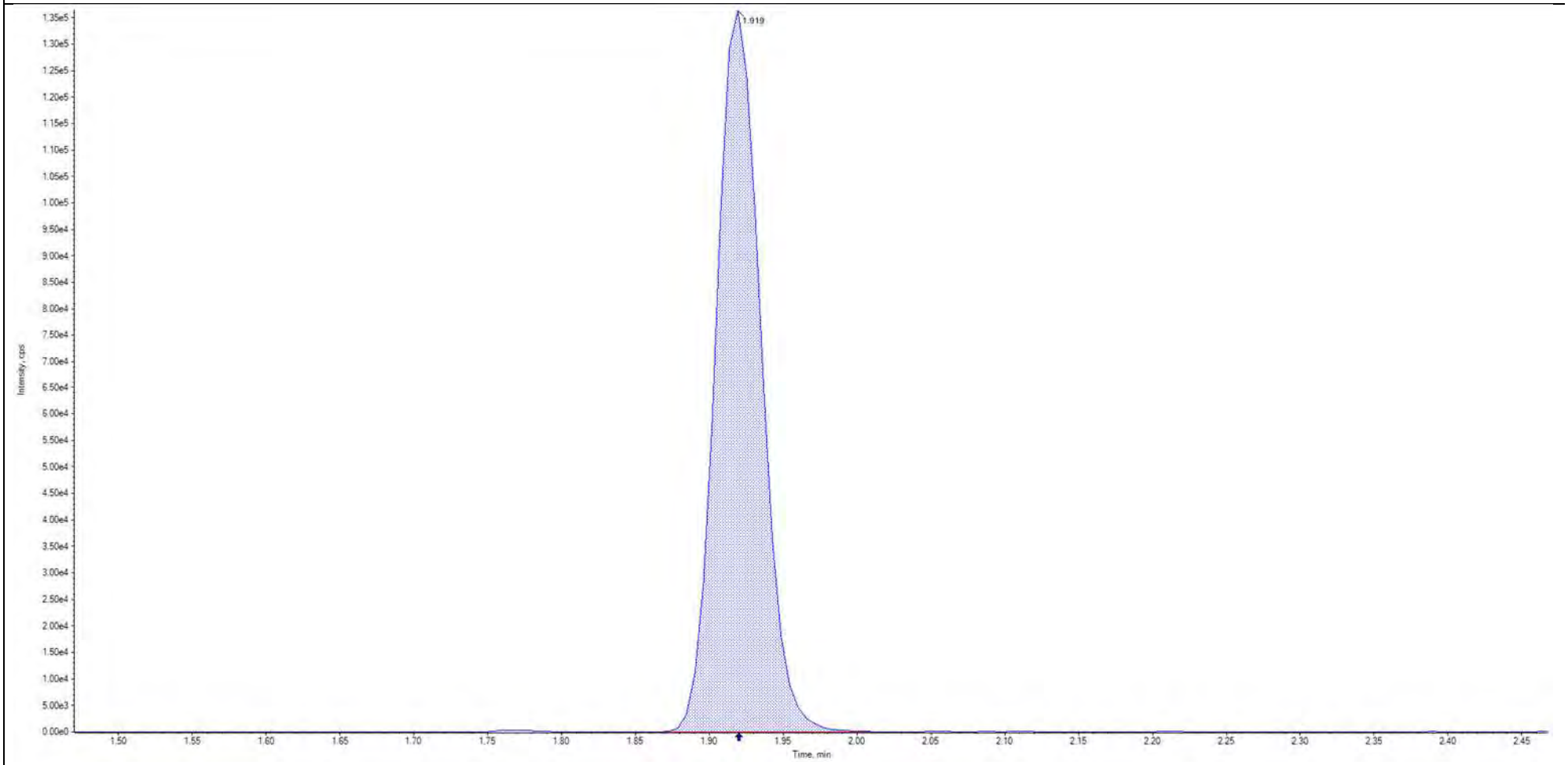


13C3-PFBS
Sample: IA1633STD-62.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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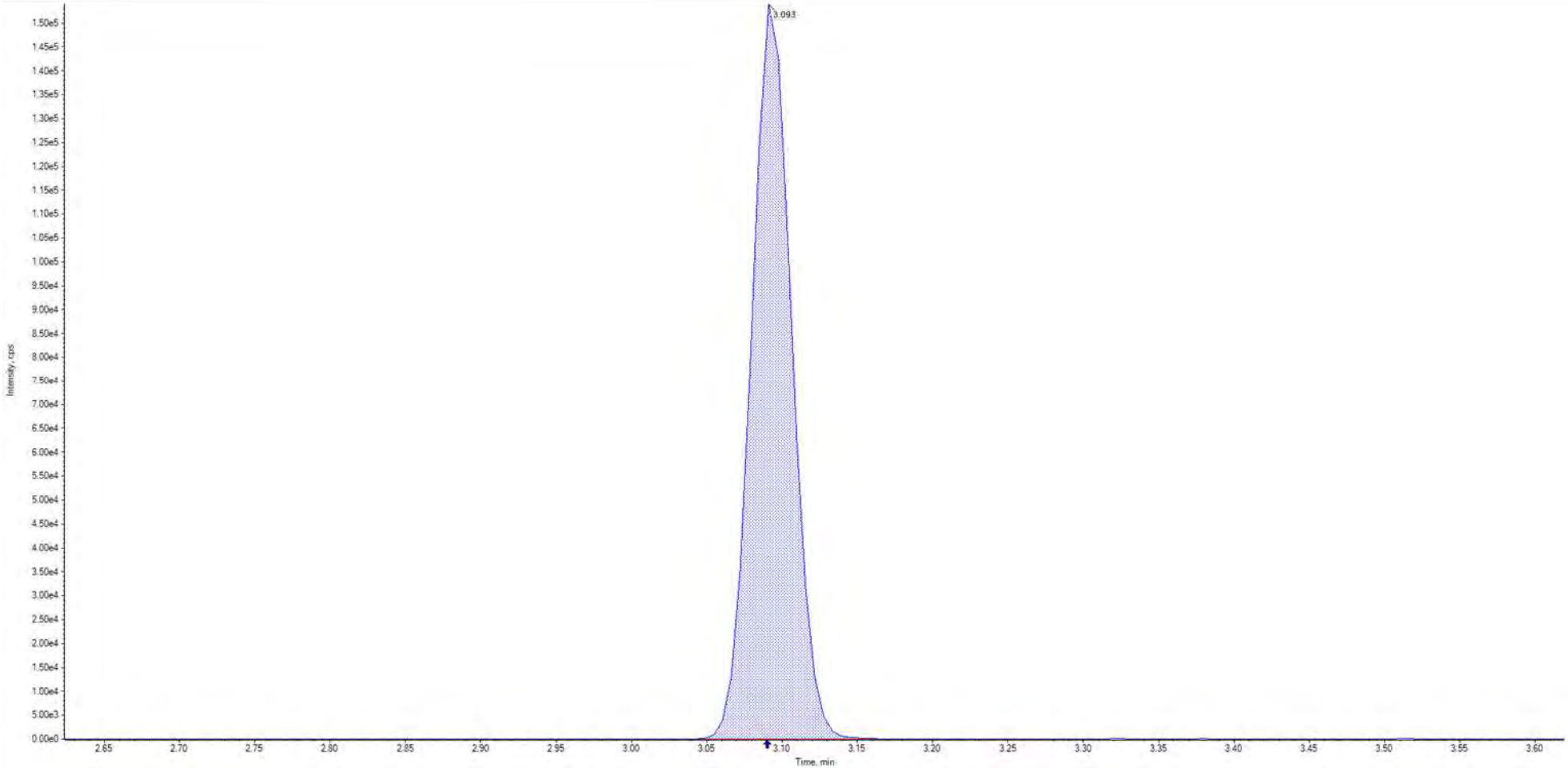
13C3-PFHxS
Sample: IA1633STD-62.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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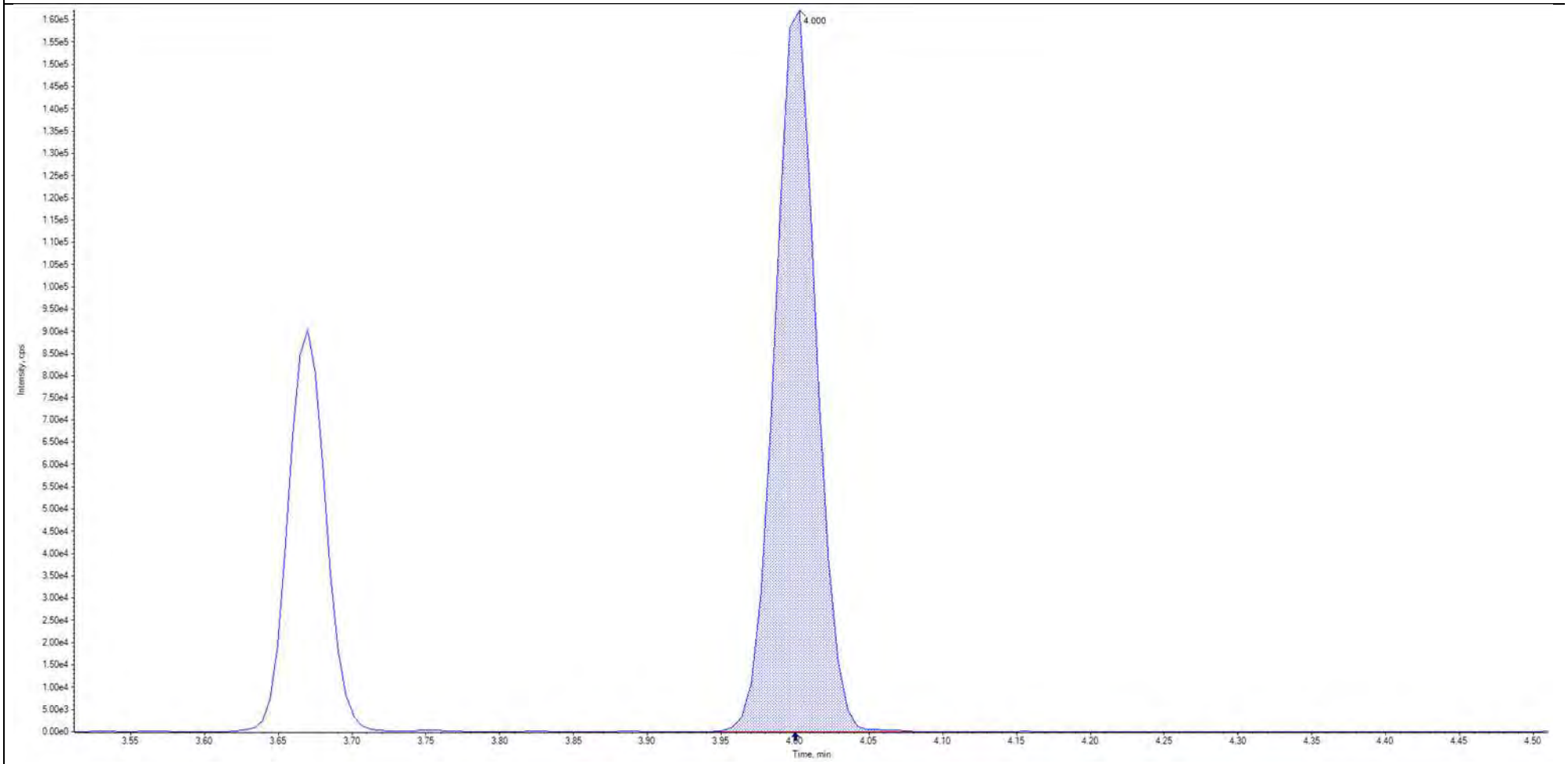
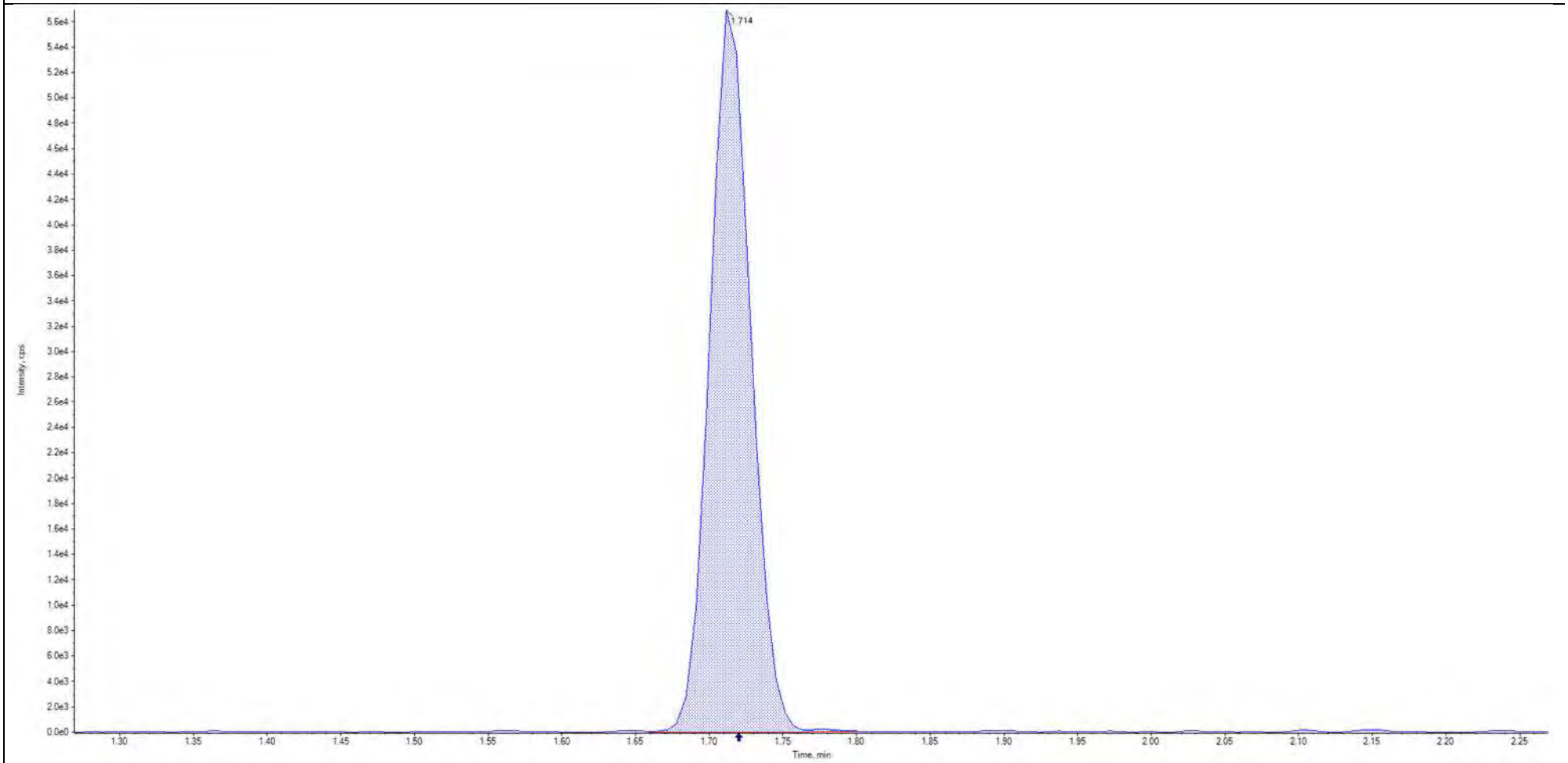
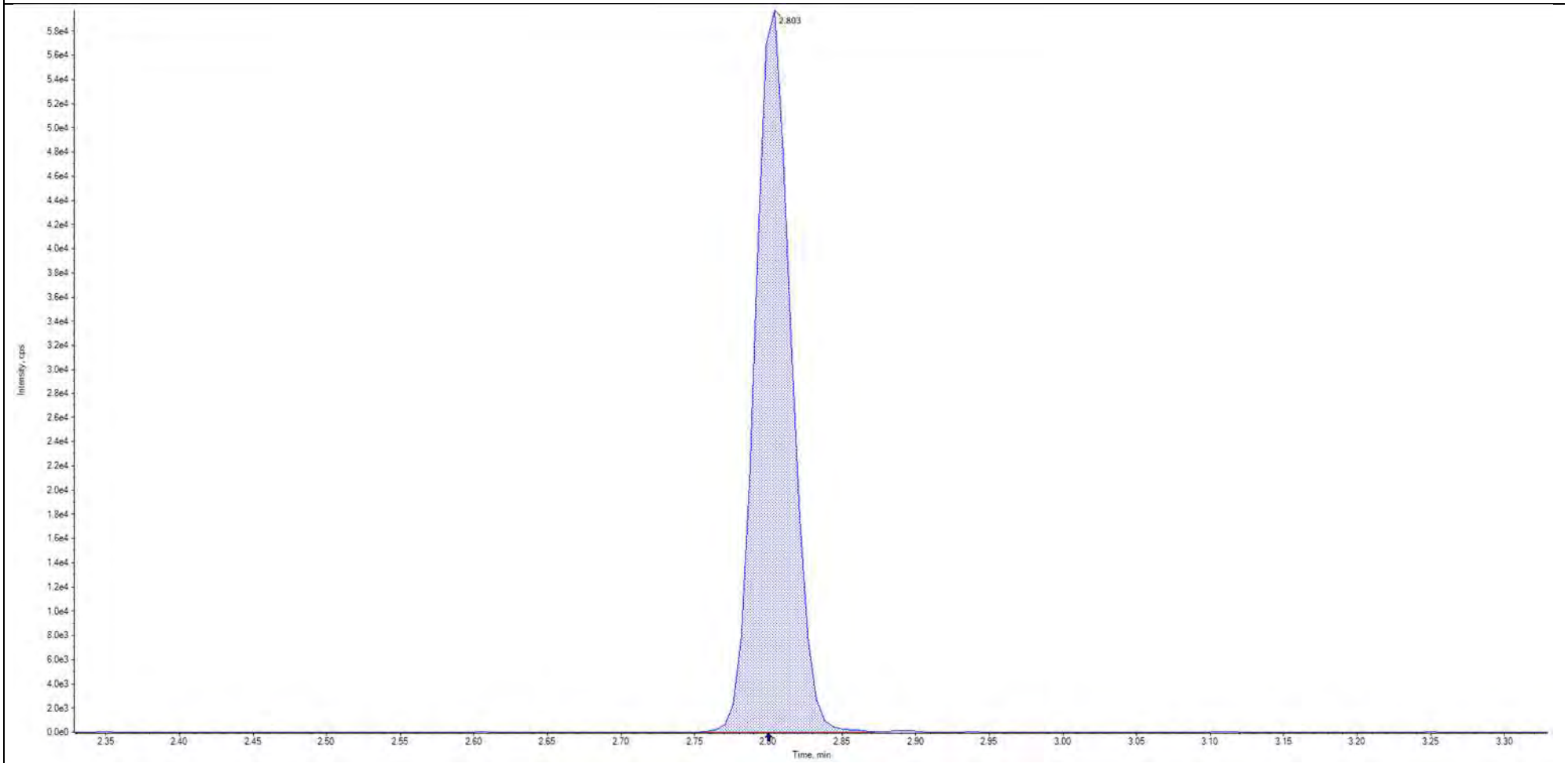
13C8-PFOS
Sample: IA1633STD-62.5



13C2-4:2FTS
Sample: IA1633STD-62.5



13C2-6:2FTS
Sample: IA1633STD-62.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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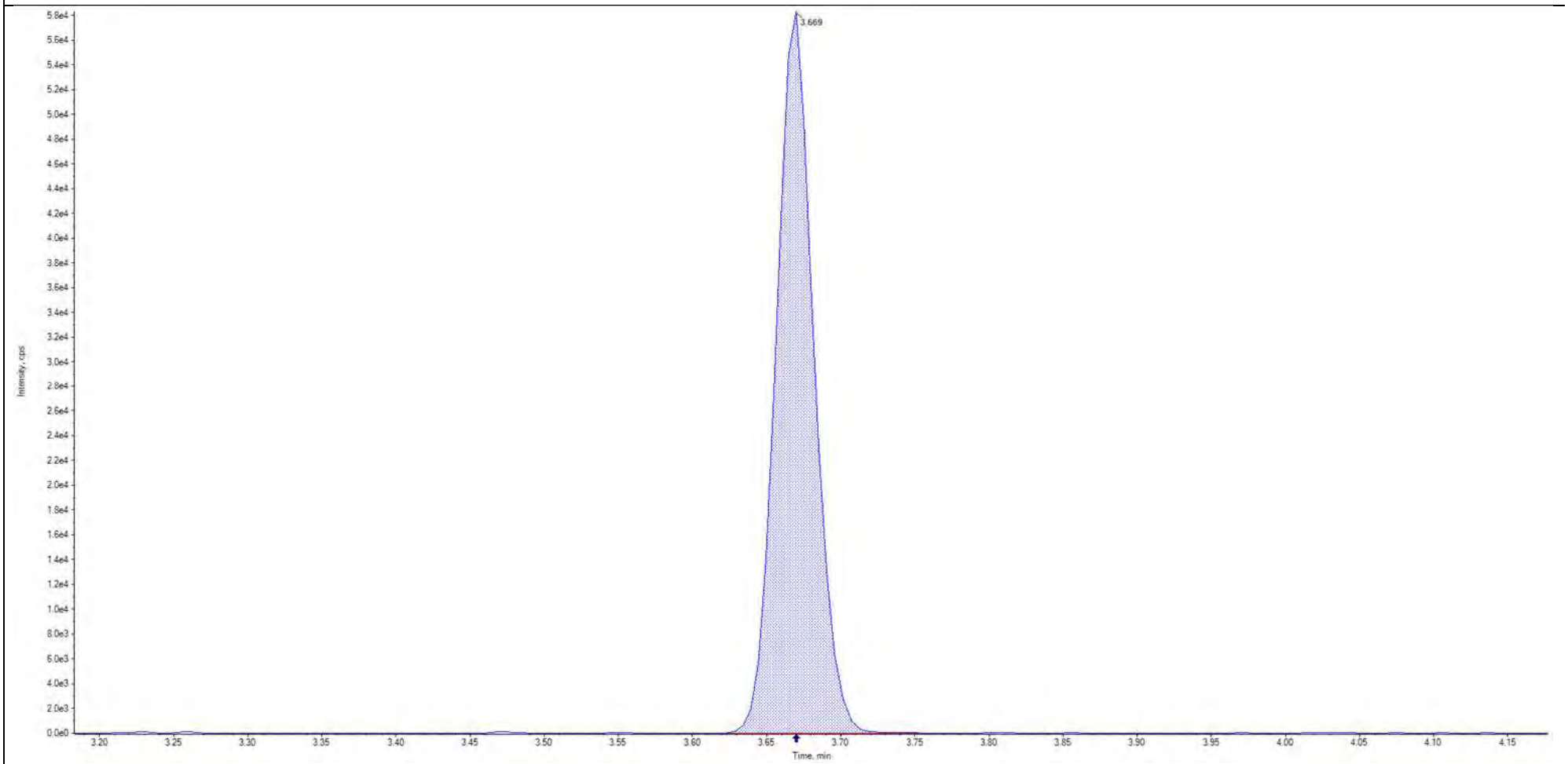
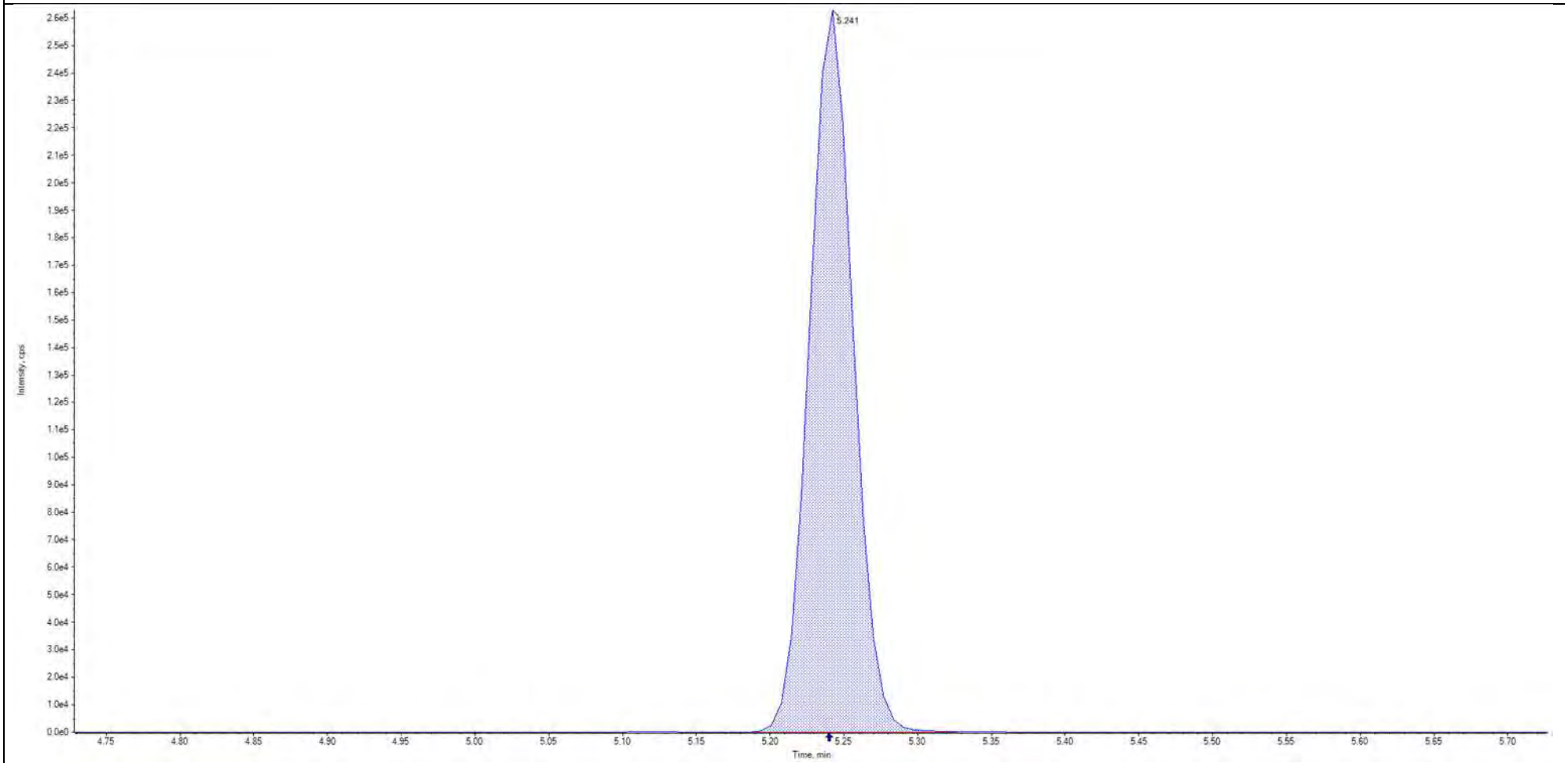
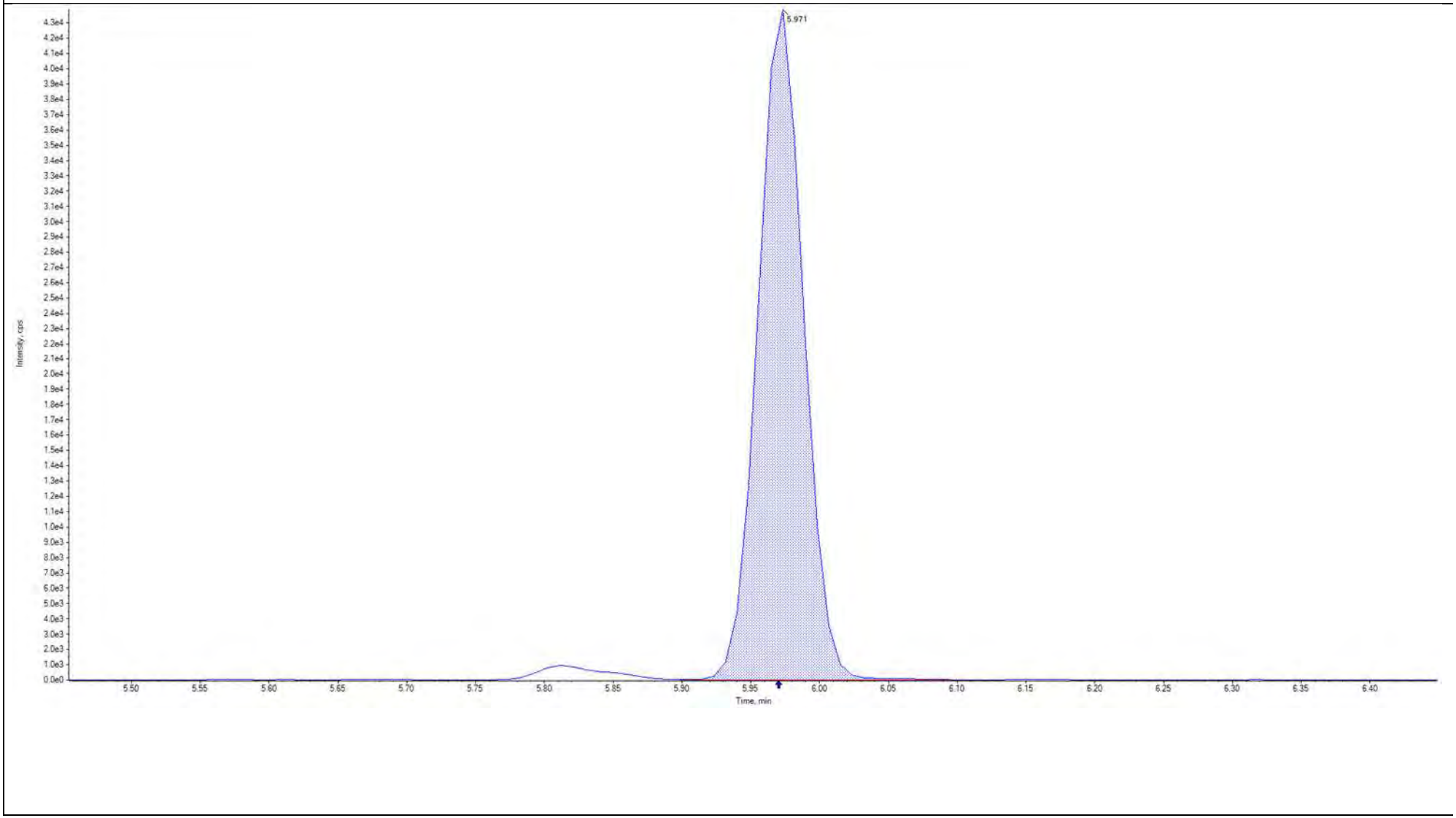
13C2-8:2FTS
Sample: IA1633STD-62.5



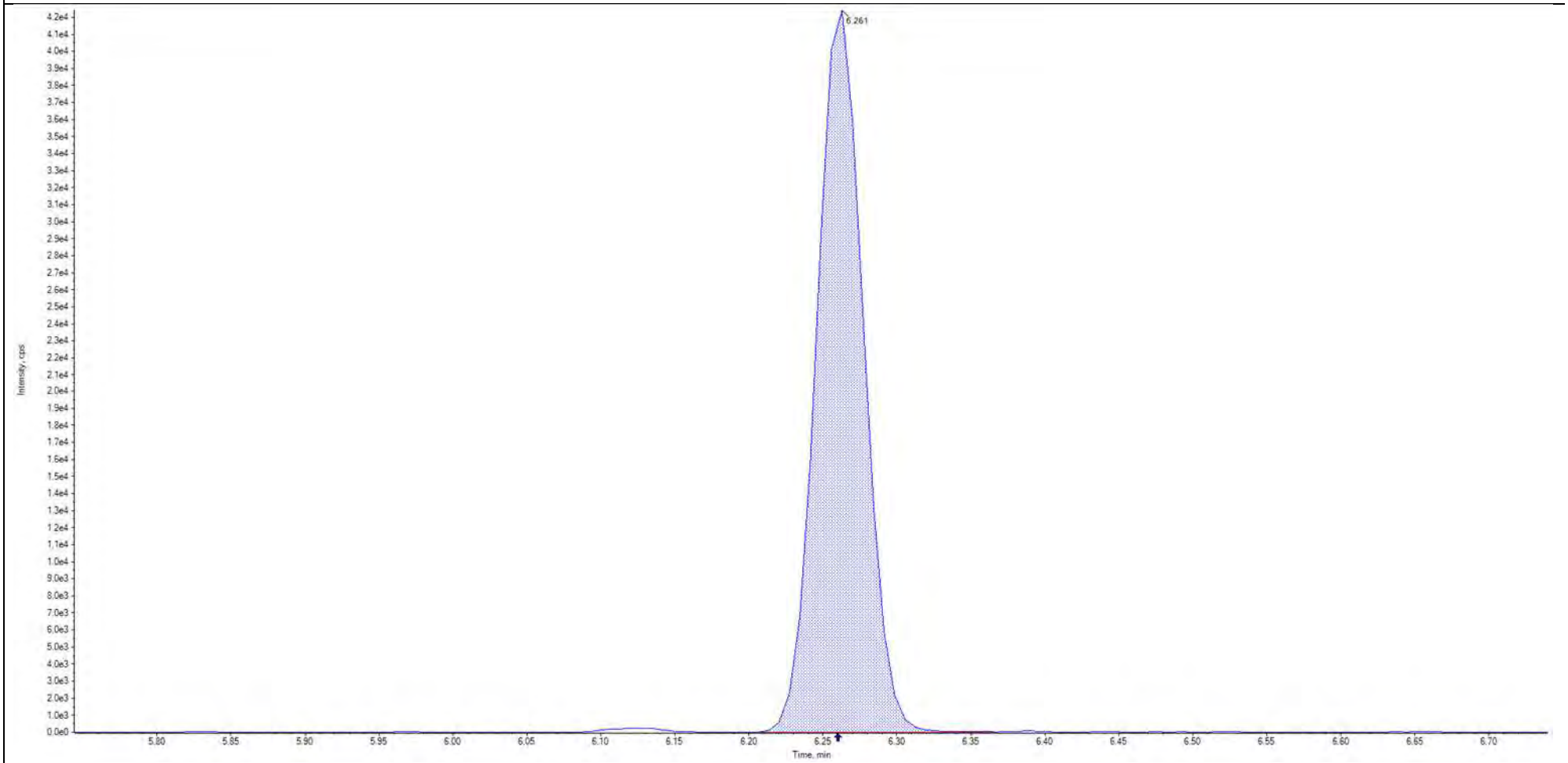
13C8-PFOSA
Sample: IA1633STD-62.5



d3-NMeFOSA
Sample: IA1633STD-62.5



d5-NEtFOSA
Sample: IA1633STD-62.5



d3-NMeFOSAA
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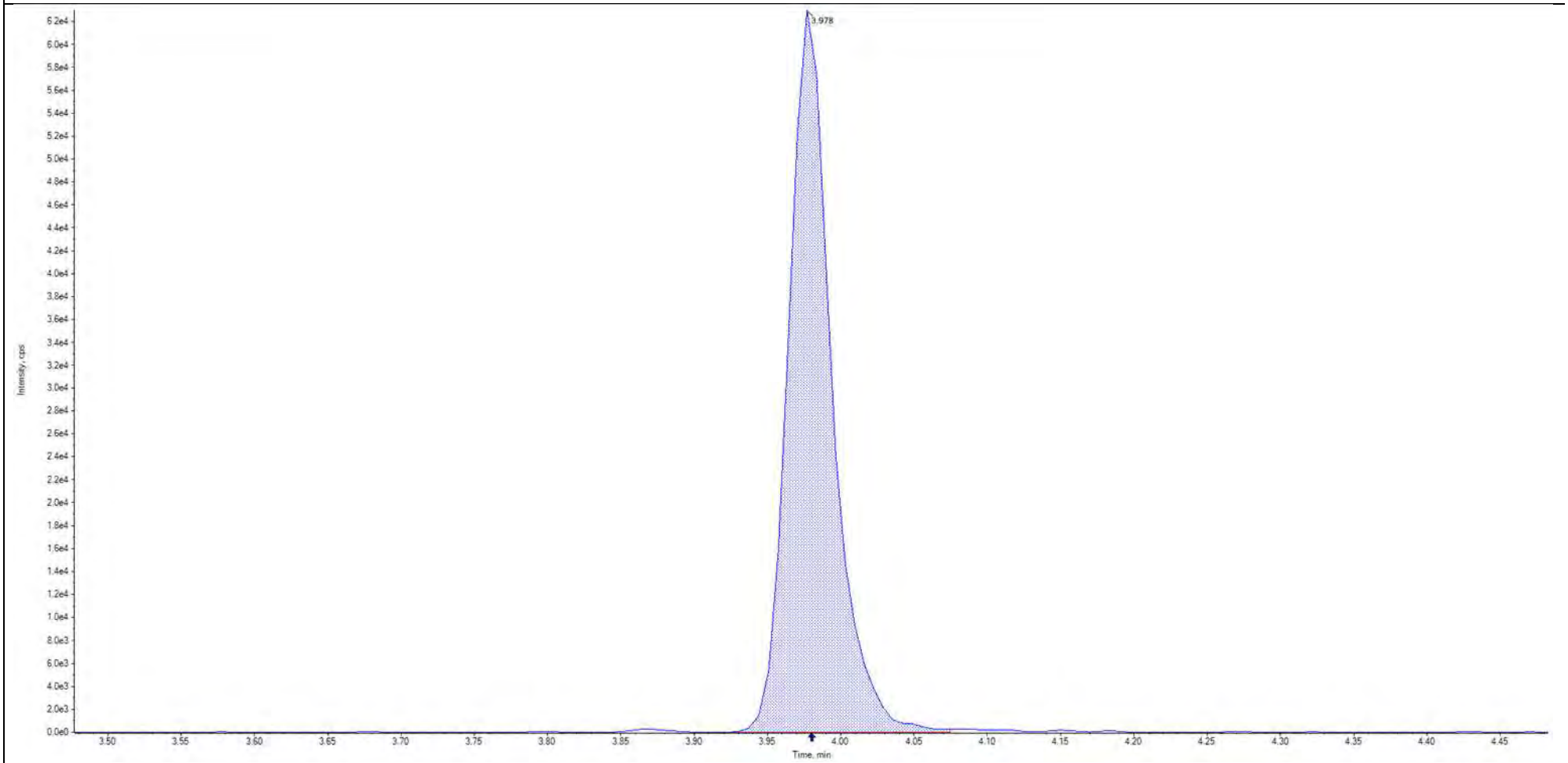

d5-NEtFOSAA
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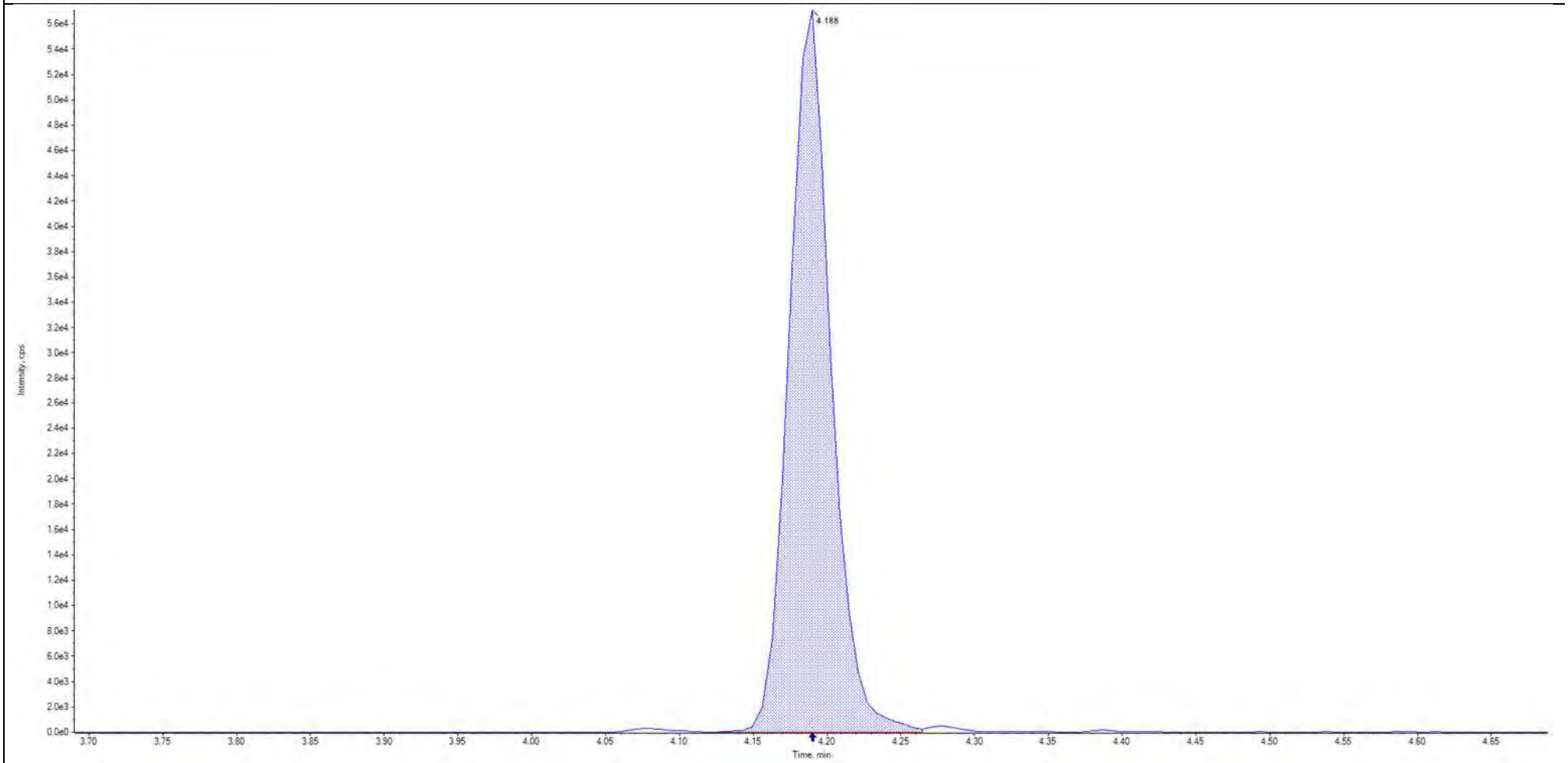
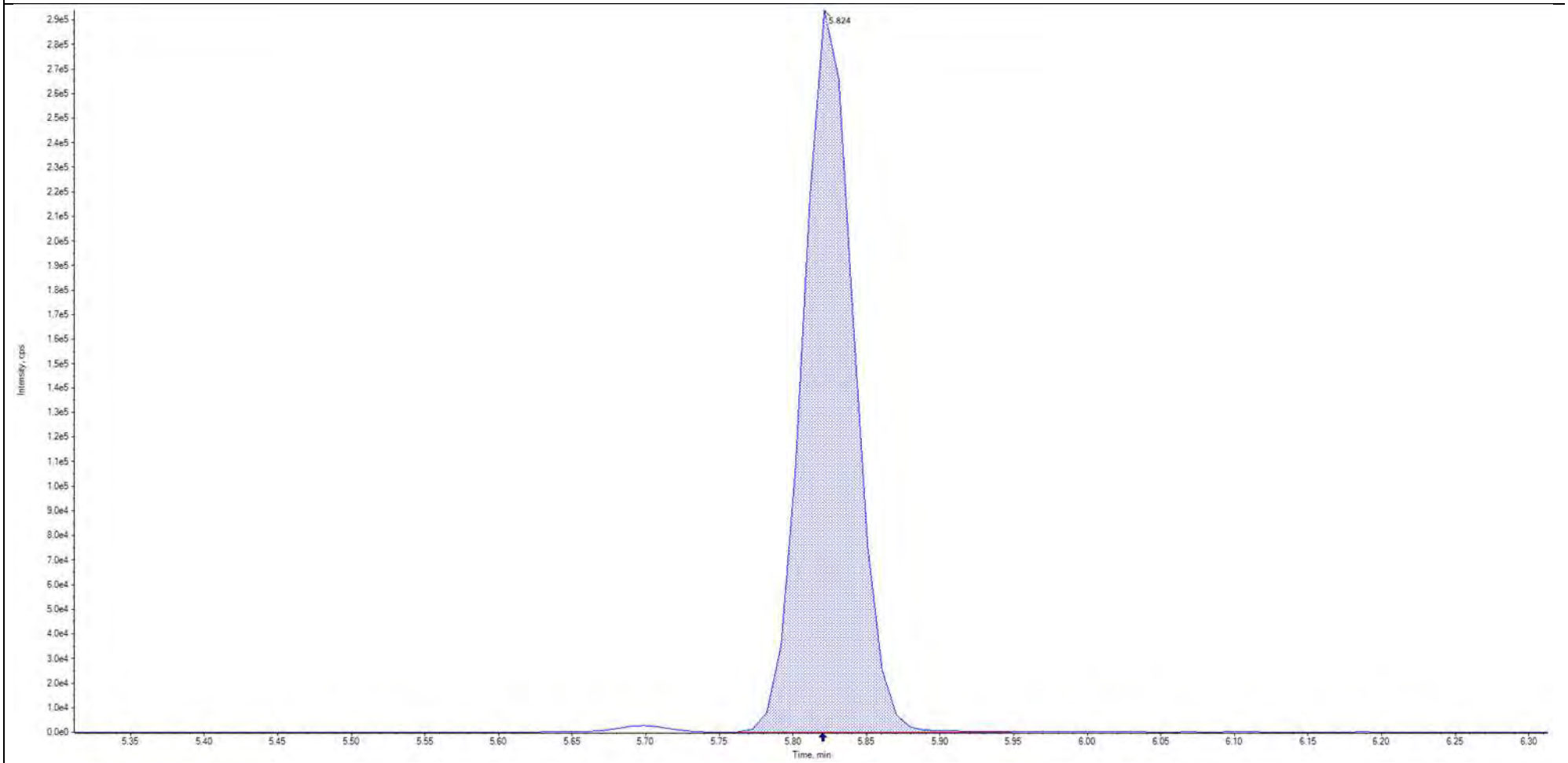
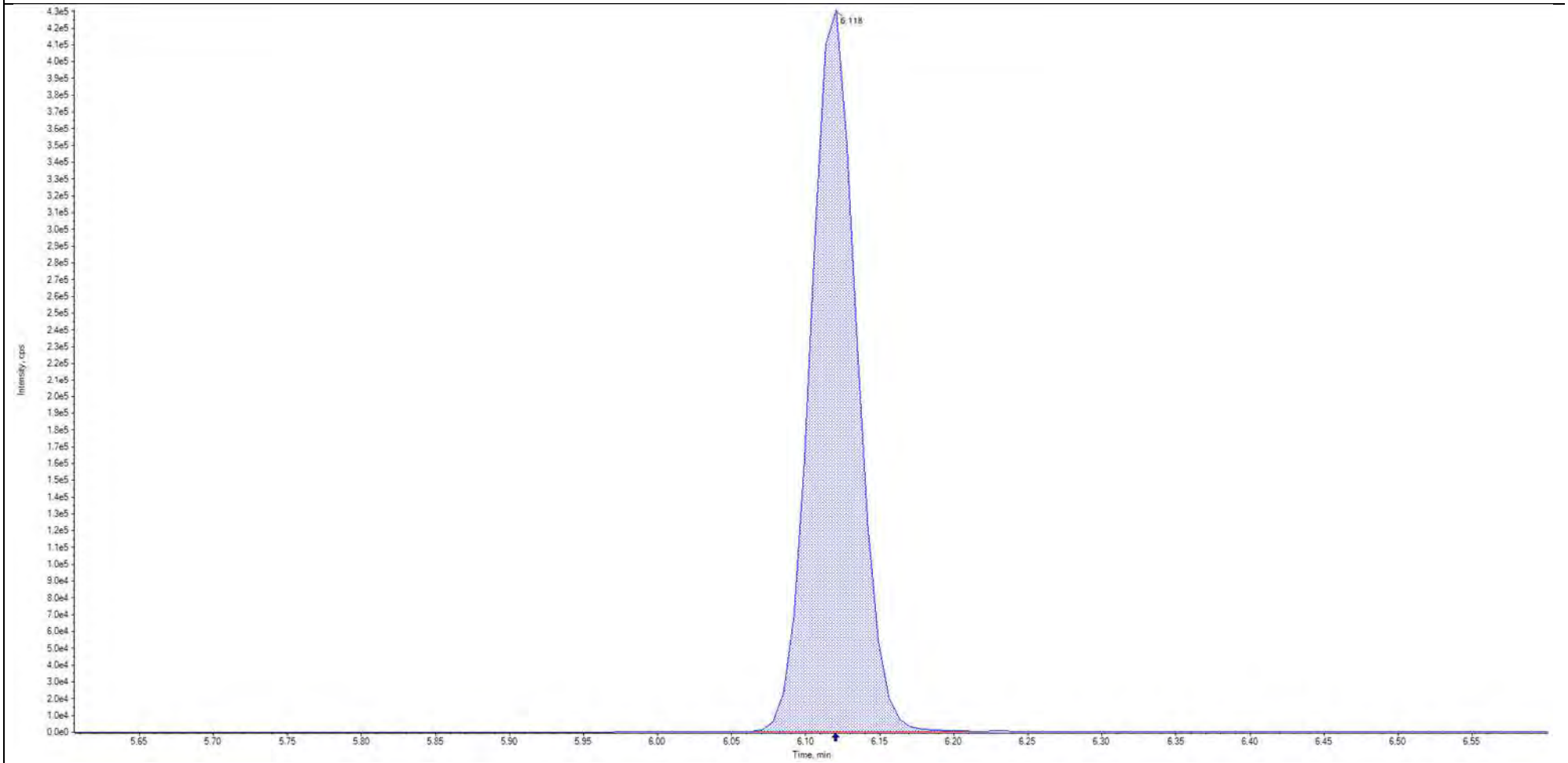


d7-NMeFOSE
Sample: IA1633STD-62.5



d9-NEtFOSE
Sample: IA1633STD-62.5



13C3-HFPO-DA
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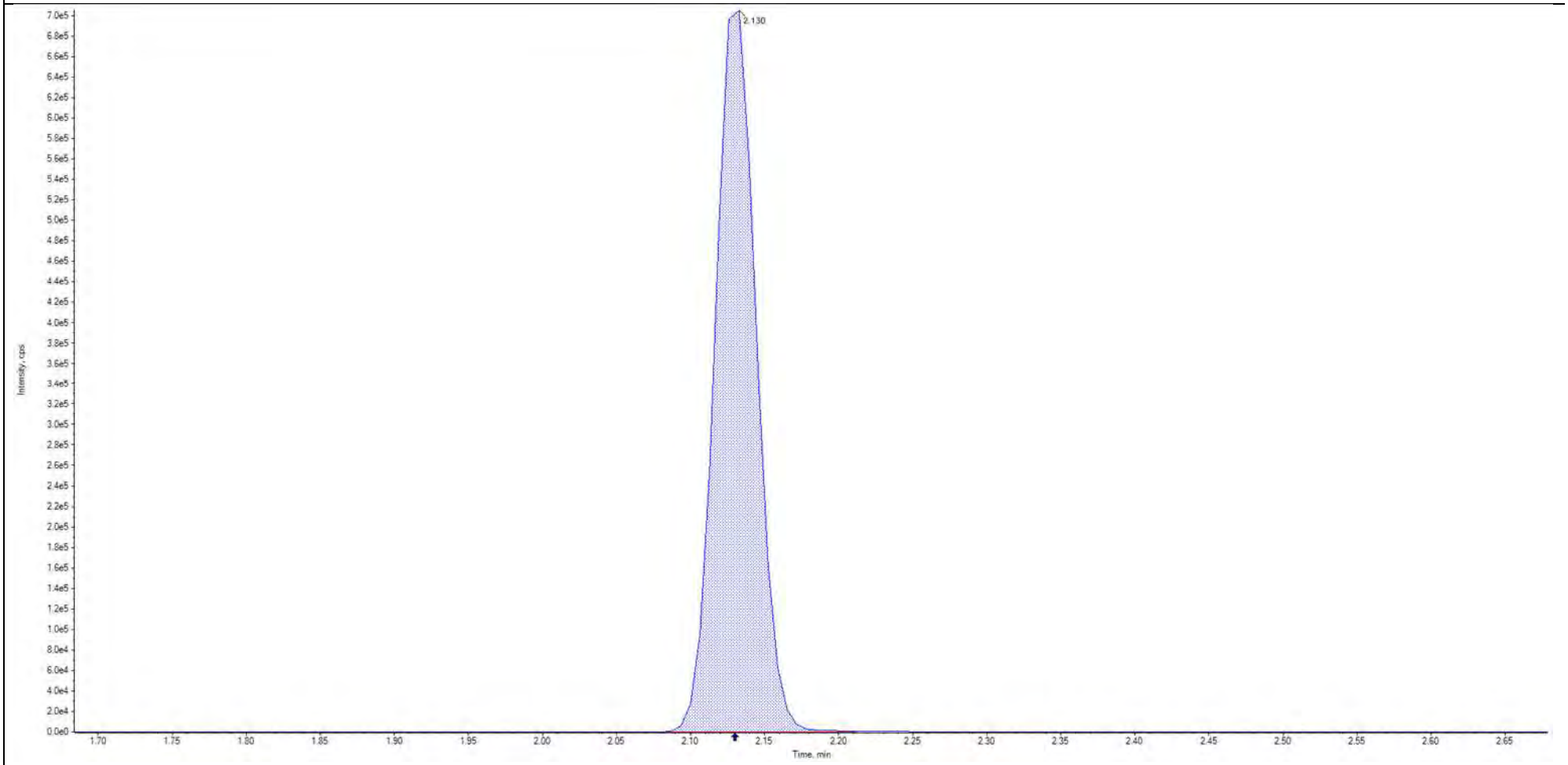
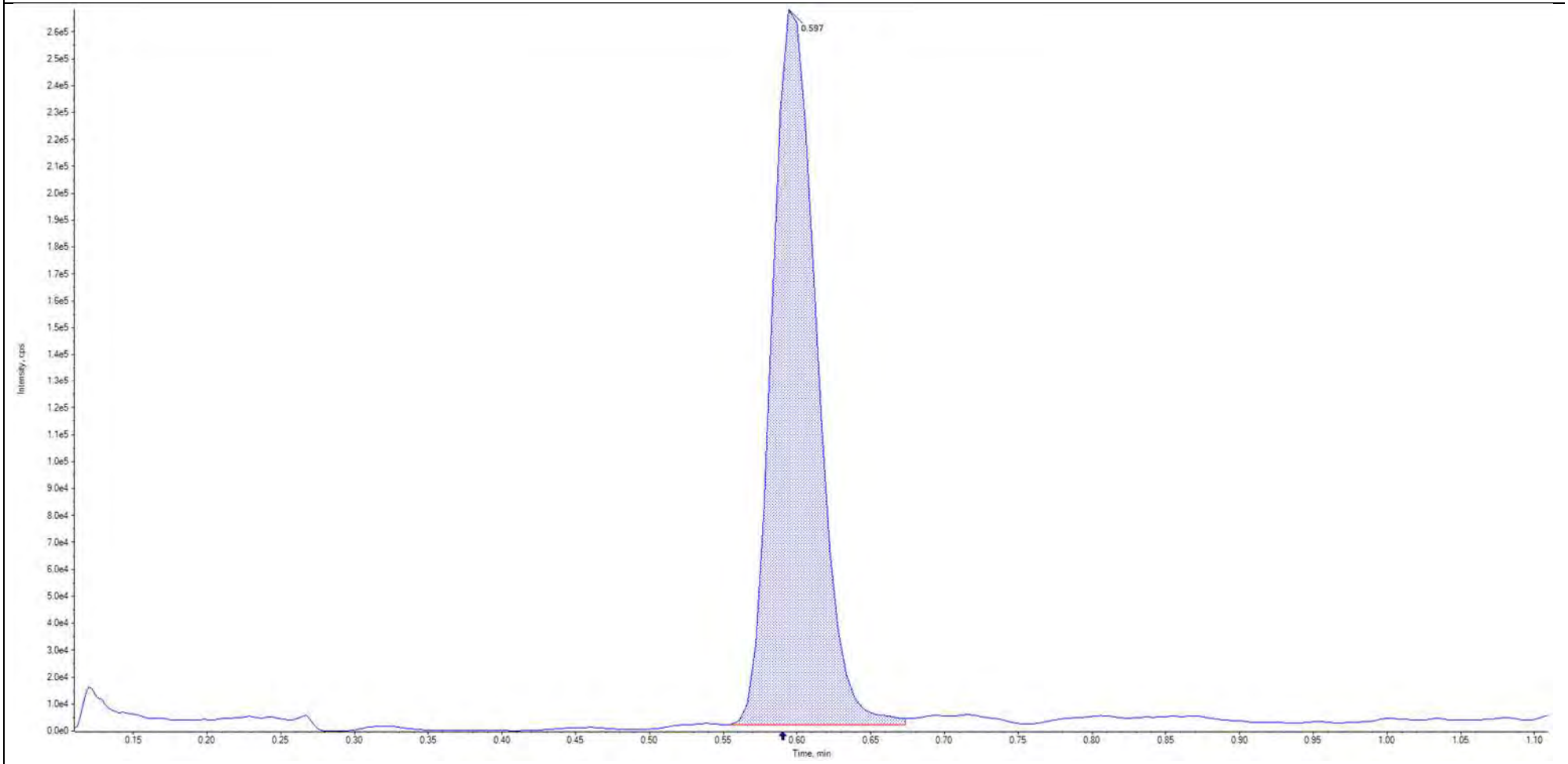


13C3-PFBA
Sample: IA1633STD-62.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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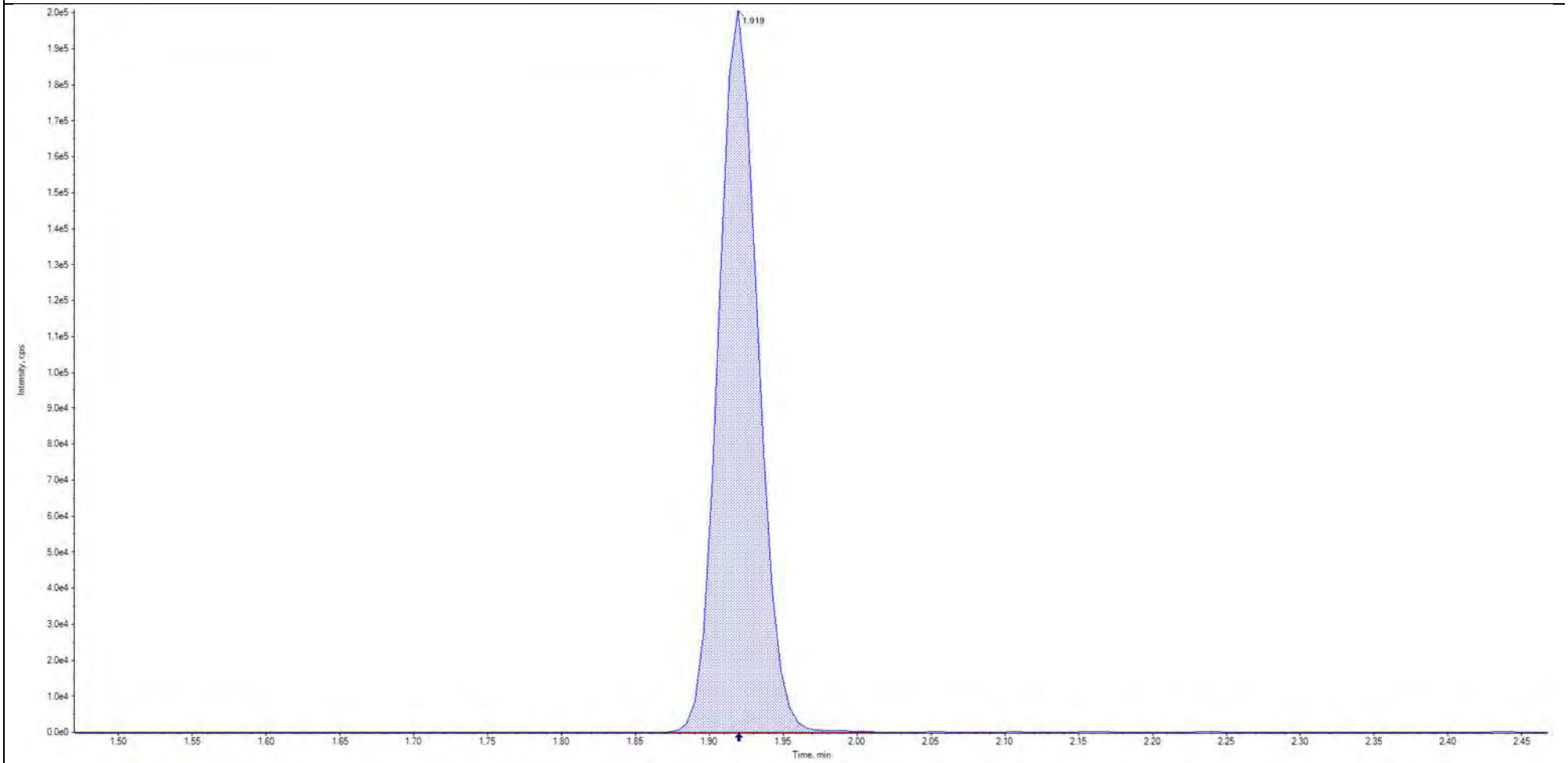
13C2-PFHxA
Sample: IA1633STD-62.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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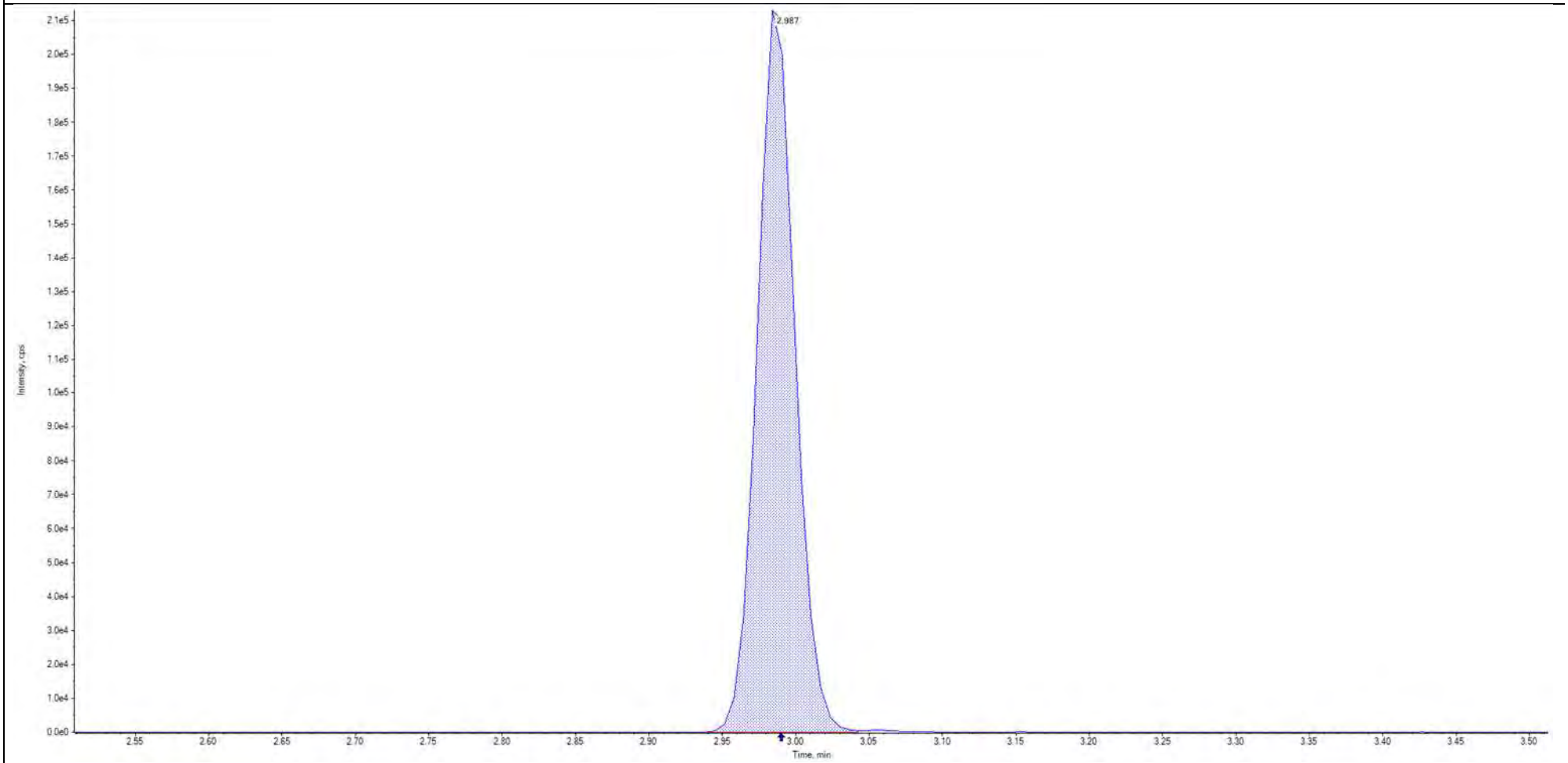
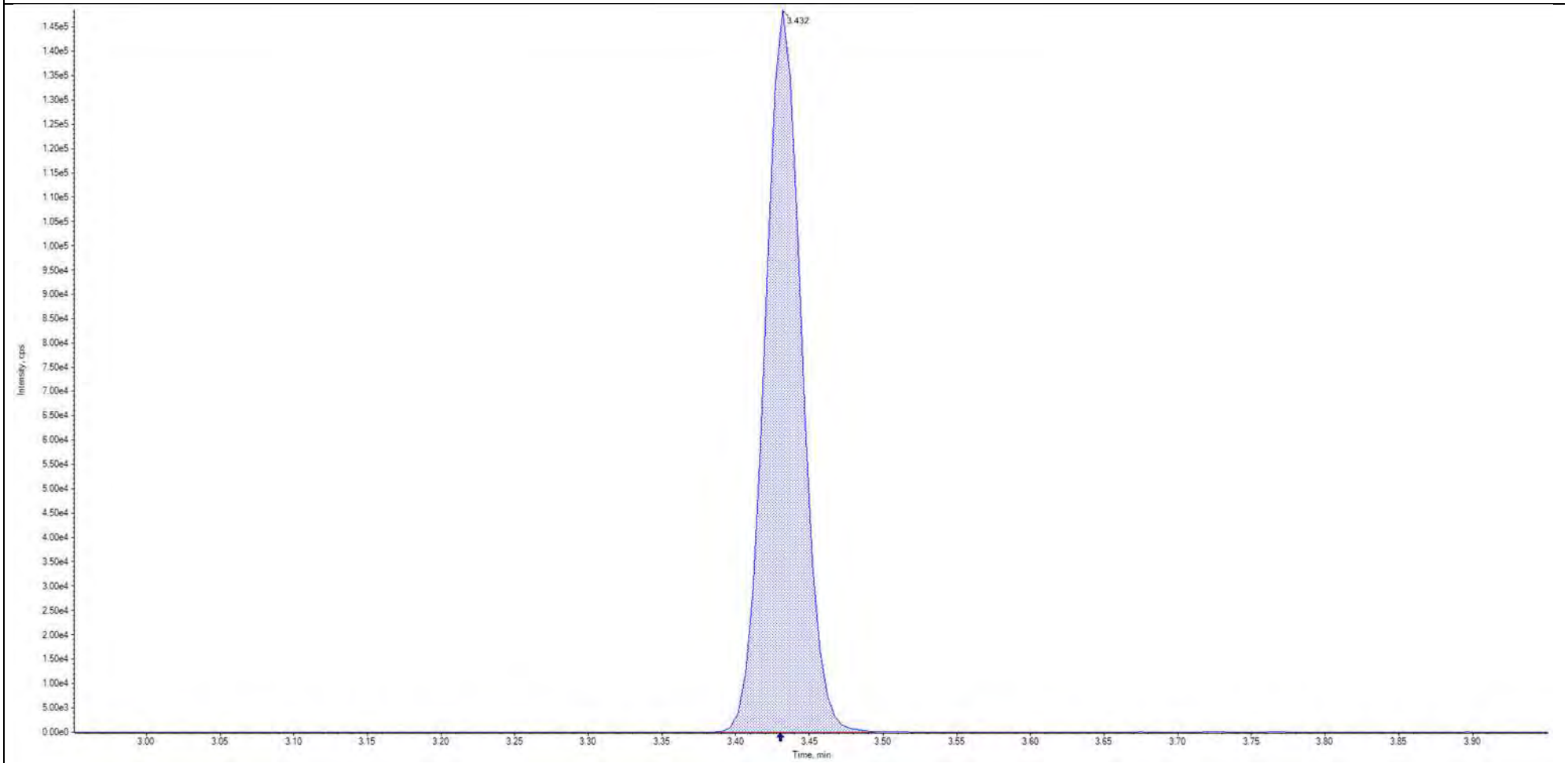
13C4-PFOA
Sample: IA1633STD-62.5



13C5-PFNA
Sample: IA1633STD-62.5



13C2-PFDA
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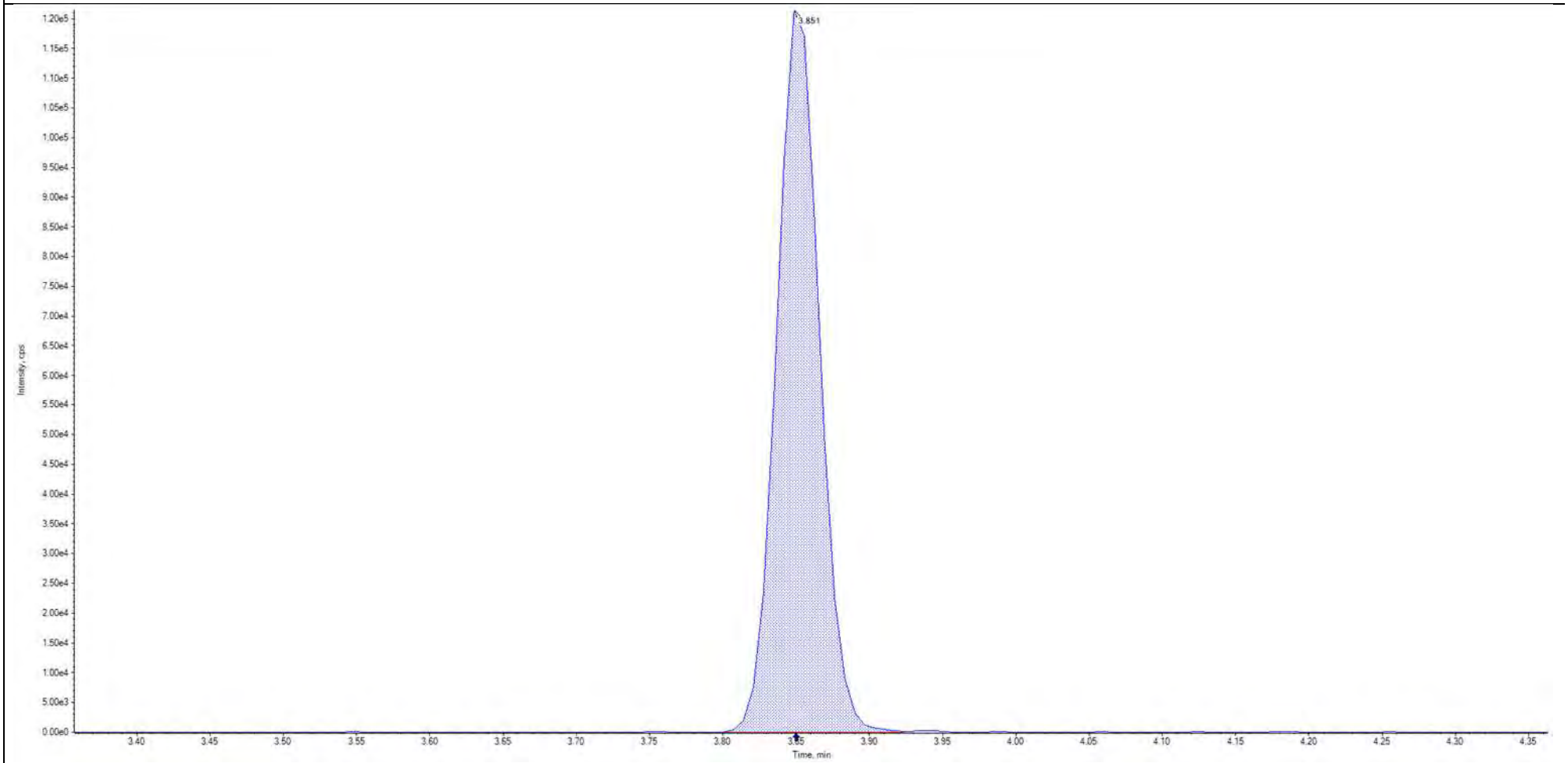
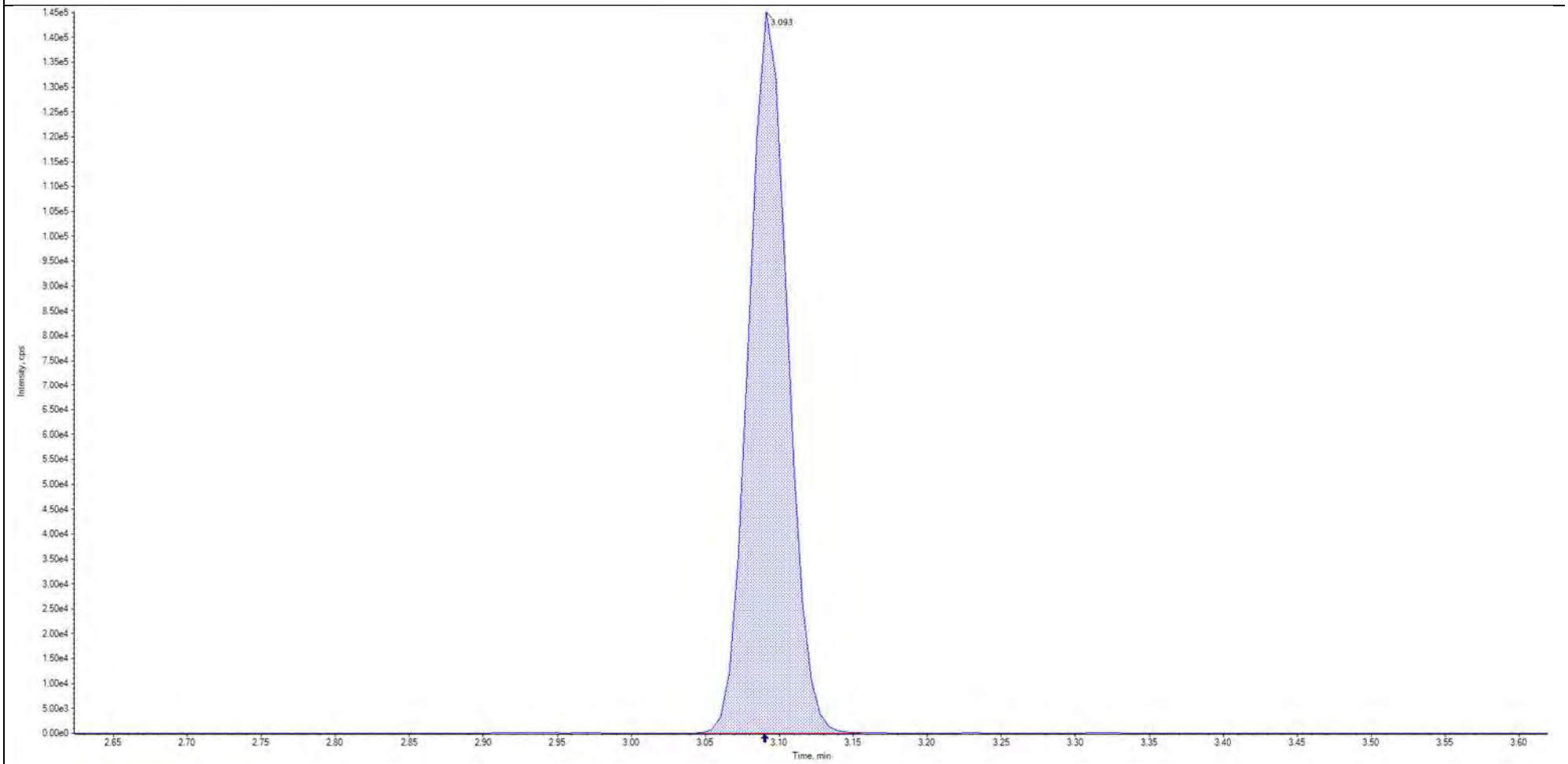
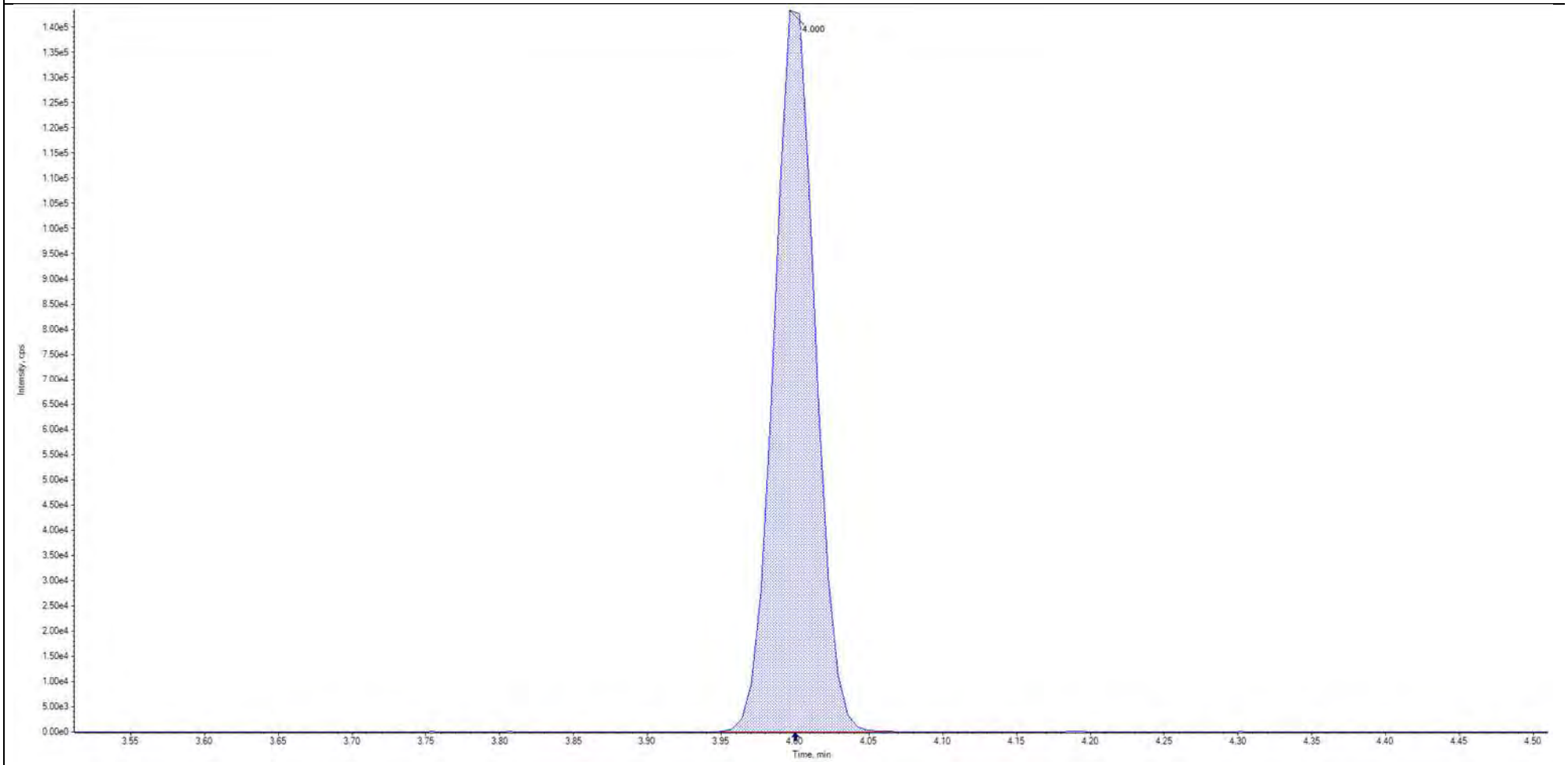


18O2-PFHxS
Sample: IA1633STD-62.5



13C4-PFOS
Sample: IA1633STD-62.5



Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_30.wiff2_9
Last Altered: 3/4/2025 6:51:07 AM
Generated: 3/3/2025 3:16:24 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
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Generated: 3/4/2025 5:58:35 AM

Method: EPA1633F_250303.qmethod
Calibration: 250303_1633_ICAL

ID: CA1633STD-10
Name: SCI09_250303_33.wiff2
Date & Time: 2025-03-03T16:30:48
Description: WG2035972,,EPA1633F_LCMS241030C
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | PFBA | 375-22-4 | 0.60 | 213.0 / 169.0 | 1475313 | | 9.472 | N/A | N/A | N/A | 94.7 |
| 2 | PFPeA | 2706-90-3 | 1.18 | 263.0 / 219.0 | 1380377 | | 9.445 | 0.007 | N/A | N/A | 94.5 |
| 3 | PFPeA_2 | 2706-90-3 | 1.18 | 263.0 / 68.9 | 10261 | | 10.011 | 0.007 | N/A | N/A | 100.1 |
| 4 | PFHxA | 307-24-4 | 1.92 | 313.0 / 269.0 | 1577944 | | 8.560 | 0.089 | 0.081 | Pass | 85.6 |
| 5 | PFHxA_2 | 307-24-4 | 1.92 | 313.0 / 119.0 | 139847 | | 8.922 | 0.089 | 0.081 | Pass | 89.2 |
| 6 | PFHpA | 375-85-9 | 2.49 | 363.1 / 319.0 | 1501786 | | 8.270 | 0.418 | 0.373 | Pass | 82.7 |
| 7 | PFHpA_2 | 375-85-9 | 2.49 | 363.1 / 169.0 | 627621 | | 8.754 | 0.418 | 0.373 | Pass | 87.5 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | PFOA | 335-67-1 | 2.99 | 413.1 / 369.1 | 1716678 | M5 | 8.694 | 0.430 | 0.424 | Pass | 86.9 |
| 9 | PFOA_2 | 335-67-1 | 2.99 | 413.1 / 169.0 | 737767 | M5 | 8.828 | 0.430 | 0.424 | Pass | 88.3 |
| 10 | PFNA | 375-95-1 | 3.43 | 462.8 / 418.9 | 1377768 | | 10.557 | 0.446 | 0.493 | Pass | 105.6 |
| 11 | PFNA_2 | 375-95-1 | 3.43 | 462.8 / 219.0 | 614040 | | 9.662 | 0.446 | 0.493 | Pass | 96.6 |
| 12 | PFDA | 335-76-2 | 3.85 | 513.1 / 469.1 | 1757210 | | 9.557 | 0.196 | 0.188 | Pass | 95.6 |
| 13 | PFDA_2 | 335-76-2 | 3.85 | 513.1 / 219.0 | 344375 | | 10.172 | 0.196 | 0.188 | Pass | 101.7 |
| 14 | PFUnA | 2058-94-8 | 4.25 | 563.1 / 519.1 | 1837044 | | 9.113 | 0.156 | 0.146 | Pass | 91.1 |
| 15 | PFUnA_2 | 2058-94-8 | 4.25 | 563.1 / 269.0 | 286101 | | 9.875 | 0.156 | 0.146 | Pass | 98.8 |
| 16 | PFDoA | 307-55-1 | 4.65 | 613.1 / 569.1 | 1922171 | | 8.298 | 0.139 | 0.142 | Pass | 83.0 |
| 17 | PFDoA_2 | 307-55-1 | 4.65 | 613.1 / 319.0 | 266429 | | 8.345 | 0.139 | 0.142 | Pass | 83.5 |
| 18 | PFTrDA | 72629-94-8 | 5.03 | 663.1 / 619.1 | 1829768 | | 8.991 | 0.151 | 0.152 | Pass | 89.9 |
| 19 | PFTrDA_2 | 72629-94-8 | 5.02 | 663.1 / 169.0 | 276035 | | 8.832 | 0.151 | 0.152 | Pass | 88.3 |
| 20 | PFTeDA | 376-06-7 | 5.39 | 713.1 / 669.1 | 1776155 | | 9.950 | 0.156 | 0.154 | Pass | 99.5 |
| 21 | PFTeDA_2 | 376-06-7 | 5.39 | 713.1 / 169.0 | 277139 | | 9.509 | 0.156 | 0.154 | Pass | 95.1 |
| 22 | PFBS | 375-73-5 | 1.92 | 299.1 / 80.1 | 1636995 | | 10.921 | 0.375 | 0.374 | 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 | 1.92 | 299.1 / 99.1 | 614141 | | 11.749 | 0.375 | 0.374 | Pass | 117.5 |
| 24 | PFPeS | 2706-91-4 | 2.56 | 349.1 / 80.1 | 1704355 | | 12.091 | 0.288 | 0.314 | Pass | 120.9 |
| 25 | PFPeS_2 | 2706-91-4 | 2.56 | 349.1 / 99.1 | 490983 | | 11.092 | 0.288 | 0.314 | Pass | 110.9 |
| 26 | PFHxS | 355-46-4 | 3.09 | 399.1 / 80.1 | 1417950 | M5 | 11.014 | 0.296 | 0.306 | Pass | 110.1 |
| 27 | PFHxS_2 | 355-46-4 | 3.09 | 399.1 / 99.1 | 419974 | | 11.266 | 0.296 | 0.306 | Pass | 112.7 |
| 28 | PFHpS | 375-92-8 | 3.56 | 449.1 / 80.1 | 1285589 | | 9.688 | 0.294 | 0.316 | Pass | 96.9 |
| 29 | PFHpS_2 | 375-92-8 | 3.56 | 449.1 / 99.1 | 377799 | | 9.305 | 0.294 | 0.316 | Pass | 93.1 |
| 30 | PFOS | 1763-23-1 | 4.00 | 499.1 / 80.1 | 1518989 | M5 | 9.411 | 0.235 | 0.244 | Pass | 94.1 |
| 31 | PFOS_2 | 1763-23-1 | 4.00 | 499.1 / 99.1 | 356972 | M5 | 8.803 | 0.235 | 0.244 | Pass | 88.0 |
| 32 | PFNS | 68259-12-1 | 4.41 | 549.1 / 80.1 | 1168916 | | 10.637 | 0.298 | 0.294 | Pass | 106.4 |
| 33 | PFNS_2 | 68259-12-1 | 4.41 | 549.1 / 99.1 | 348918 | | 11.107 | 0.298 | 0.294 | Pass | 111.1 |
| 34 | PFDS | 335-77-3 | 4.81 | 599.1 / 80.1 | 1134859 | | 10.512 | 0.284 | 0.290 | Pass | 105.1 |
| 35 | PFDS_2 | 335-77-3 | 4.81 | 599.1 / 99.1 | 322726 | | 10.585 | 0.284 | 0.290 | Pass | 105.9 |
| 36 | PFDoS | 79780-39-5 | 5.55 | 699.2 / 80.1 | 1008639 | | 10.254 | 0.258 | 0.256 | Pass | 102.5 |
| 37 | PFDoS_2 | 79780-39-5 | 5.55 | 699.2 / 99.1 | 260045 | | 10.257 | 0.258 | 0.256 | Pass | 102.6 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 38 | 4:2FTS | 757124-72-4 | 1.71 | 327.1 / 307.1 | 358914 | | 11.093 | 0.648 | 0.650 | Pass | 110.9 |
| 39 | 4:2FTS_2 | 757124-72-4 | 1.71 | 327.1 / 81.1 | 232447 | | 11.131 | 0.648 | 0.650 | Pass | 111.3 |
| 40 | 6:2FTS | 27619-97-2 | 2.80 | 427.2 / 407.2 | 312535 | | 11.346 | 0.604 | 0.620 | Pass | 113.5 |
| 41 | 6:2FTS_2 | 27619-97-2 | 2.80 | 427.2 / 81.1 | 188761 | | 10.692 | 0.604 | 0.620 | Pass | 106.9 |
| 42 | 8:2FTS | 39108-34-4 | 3.67 | 527.2 / 507.2 | 257707 | | 11.372 | 0.671 | 0.676 | Pass | 113.7 |
| 43 | 8:2FTS_2 | 39108-34-4 | 3.66 | 527.2 / 81.1 | 172809 | | 11.078 | 0.671 | 0.676 | Pass | 110.8 |
| 44 | PFOSA | 754-91-6 | 5.24 | 498.1 / 78.1 | 1829359 | M5 | 10.482 | 0.023 | 0.026 | Pass | 104.8 |
| 45 | PFOSA_2 | 754-91-6 | 5.24 | 498.1 / 478.0 | 42126 | M5 | 9.344 | 0.023 | 0.026 | Pass | 93.4 |
| 46 | NMeFOSA | 31506-32-8 | 5.98 | 512.2 / 219.0 | 393606 | | 8.781 | 1.084 | 1.377 | Pass | 87.8 |
| 47 | NMeFOSA_2 | 31506-32-8 | 5.97 | 512.2 / 169.0 | 426623 | | 6.850 | 1.084 | 1.377 | Pass | 68.5 |
| 48 | NEtFOSA | 4151-50-2 | 6.27 | 526.2 / 219.0 | 411413 | | 9.328 | 1.059 | 1.292 | Pass | 93.3 |
| 49 | NEtFOSA_2 | 4151-50-2 | 6.27 | 526.2 / 169.0 | 435762 | | 7.918 | 1.059 | 1.292 | Pass | 79.2 |
| 50 | NMeFOSAA | 2355-31-9 | 3.98 | 570.2 / 419.1 | 262546 | | 9.816 | 0.725 | 0.697 | Pass | 98.2 |
| 51 | NMeFOSAA_2 | 2355-31-9 | 3.98 | 570.2 / 483.0 | 190472 | | 9.912 | 0.725 | 0.697 | Pass | 99.1 |
| 52 | NEtFOSAA | 2991-50-6 | 4.19 | 584.2 / 419.1 | 263151 | | 10.486 | 0.567 | 0.557 | Pass | 104.9 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | NEtFOSAA_2 | 2991-50-6 | 4.19 | 584.2 / 526.2 | 149260 | M5 | 10.790 | 0.567 | 0.557 | Pass | 107.9 |
| 54 | NMeFOSE | 24448-09-7 | 5.84 | 616.1 / 58.9 | 678258 | | 10.502 | N/A | N/A | N/A | 105.0 |
| 55 | NEtFOSE | 1691-99-2 | 6.14 | 630.0 / 58.9 | 977045 | | 10.911 | N/A | N/A | N/A | 109.1 |
| 56 | HFPO-DA | 13252-13-6 | 2.13 | 285.0 / 169.0 | 1686143 | | 12.079 | 0.528 | 0.501 | Pass | 120.8 |
| 57 | HFPO-DA_2 | 13252-13-6 | 2.13 | 285.0 / 184.9 | 891030 | | 12.106 | 0.528 | 0.501 | Pass | 121.1 |
| 58 | ADONA | 919005-14-4 | 2.68 | 376.9 / 251.0 | 3084633 | | 11.525 | 0.625 | 0.691 | Pass | 115.3 |
| 59 | ADONA_2 | 919005-14-4 | 2.68 | 376.9 / 84.8 | 1928078 | | 10.873 | 0.625 | 0.691 | Pass | 108.7 |
| 60 | 9Cl-PF3ONS | 756426-58-1 | 4.28 | 530.8 / 351.1 | 3198030 | | 11.627 | 0.321 | 0.332 | Pass | 116.3 |
| 61 | 9Cl-PF3ONS_2 | 756426-58-1 | 4.28 | 532.8 / 353.0 | 1025682 | | 11.219 | 0.321 | 0.332 | Pass | 112.2 |
| 62 | 11Cl-PF3OUdS | 763051-92-9 | 5.07 | 630.9 / 451.0 | 2576664 | | 11.078 | 0.321 | 0.322 | Pass | 110.8 |
| 63 | 11Cl-PF3OUdS_2 | 763051-92-9 | 5.07 | 632.9 / 452.9 | 827957 | | 11.090 | 0.321 | 0.322 | Pass | 110.9 |
| 64 | 3:3FTCA | 356-02-5 | 1.56 | 241.1 / 177.1 | 122170 | | 10.826 | 1.030 | 1.010 | Pass | 108.3 |
| 65 | 3:3FTCA_2 | 356-02-5 | 1.56 | 241.1 / 117.0 | 125888 | | 10.274 | 1.030 | 1.010 | Pass | 102.7 |
| 66 | 5:3FTCA | 914637-49-3 | 3.03 | 341.1 / 237.1 | 471979 | | 10.239 | 1.009 | 1.017 | Pass | 102.4 |
| 67 | 5:3FTCA_2 | 914637-49-3 | 3.03 | 341.1 / 217.0 | 476182 | | 10.253 | 1.009 | 1.017 | Pass | 102.5 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 7:3FTCA | 812-70-4 | 4.06 | 441.1 / 316.9 | 364095 | | 10.279 | 1.468 | 1.343 | Pass | 102.8 |
| 69 | 7:3FTCA_2 | 812-70-4 | 4.06 | 441.1 / 337.1 | 534462 | | 11.414 | 1.468 | 1.343 | Pass | 114.1 |
| 70 | PFEESA | 113507-82-7 | 2.22 | 315.1 / 135.0 | 4310600 | | 8.998 | 0.083 | 0.081 | Pass | 90.0 |
| 71 | PFEESA_2 | 113507-82-7 | 2.22 | 315.1 / 82.9 | 357688 | | 9.078 | 0.083 | 0.081 | Pass | 90.8 |
| 72 | PFMPA | 377-73-1 | 0.75 | 229.0 / 85.0 | 1399930 | | 8.593 | N/A | N/A | N/A | 85.9 |
| 73 | PFMBA | 863090-89-5 | 1.44 | 279.0 / 85.0 | 1526493 | | 9.126 | N/A | N/A | N/A | 91.3 |
| 74 | NFDHA | 151772-58-6 | 1.84 | 295.0 / 201.0 | 1296479 | | 10.339 | 0.666 | 0.681 | Pass | 103.4 |
| 75 | NFDHA_2 | 151772-58-6 | 1.84 | 295.0 / 84.9 | 863287 | | 9.727 | 0.666 | 0.681 | Pass | 97.3 |
| 76 | TDCA | 516-50-7 | N/A | 499.1 / 124.1 | N/A | | N/A | N/A | 5.680 | N/A | N/A |
| 77 | TDCA_2 | 516-50-7 | N/A | 499.1 / 79.9 | N/A | | N/A | N/A | 5.680 | N/A | N/A |
| 78 | 13C2D4-4:2FTS | Surr | 1.70 | 333.2 / 312.1 | 122595 | | 4.813 | N/A | N/A | N/A | 96.3 |
| 79 | 13C2-PFOA | Surr | 2.98 | 415.0 / 370.0 | 295994 | | 2.161 | N/A | N/A | N/A | 86.5 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C4-PFBA | EIS | 0.59 | 217.0 / 172.0 | 1742788 | | 9.825 | NA | NA | NA | 98.3 |

| Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| 13C5-PFPeA | EIS | 1.17 | 268.0 / 223.0 | 761418 | | 5.221 | NA | NA | NA | 104.4 |
| 13C5-PFHxA | EIS | 1.91 | 318.0 / 273.0 | 359877 | | 2.625 | NA | NA | NA | 105.0 |
| 13C4-PFHpA | EIS | 2.49 | 367.0 / 322.0 | 312732 | | 2.364 | NA | NA | NA | 94.6 |
| 13C8-PFOA | EIS | 2.98 | 420.8 / 376.0 | 577550 | | 2.345 | NA | NA | NA | 93.8 |
| 13C9-PFNA | EIS | 3.43 | 472.0 / 427.0 | 241944 | | 1.181 | NA | NA | NA | 94.5 |
| 13C6-PFDA | EIS | 3.85 | 519.0 / 474.0 | 259975 | | 1.178 | NA | NA | NA | 94.2 |
| 13C7-PFUnA | EIS | 4.25 | 570.0 / 525.0 | 297623 | | 1.222 | NA | NA | NA | 97.8 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C2-PFDoA | EIS | 4.64 | 615.1 / 570.0 | 306428 | | 1.251 | NA | NA | NA | 100.1 |
| | 13C2-PFTeDA | EIS | 5.39 | 715.1 / 670.1 | 196326 | | 1.236 | NA | NA | NA | 98.9 |
| | 13C3-PFBS | EIS | 1.91 | 302.1 / 80.1 | 328768 | | 2.276 | NA | NA | NA | 97.7 |
| | 13C3-PFHxS | EIS | 3.09 | 402.1 / 80.1 | 294599 | | 2.294 | NA | NA | NA | 96.8 |
| | 13C8-PFOS | EIS | 3.99 | 507.1 / 80.1 | 338570 | | 2.420 | NA | NA | NA | 100.8 |
| | 13C2-4:2FTS | EIS | 1.71 | 329.1 / 81.1 | 98594 | | 4.628 | NA | NA | NA | 98.7 |
| | 13C2-6:2FTS | EIS | 2.80 | 429.2 / 81.1 | 81511 | | 4.444 | NA | NA | NA | 93.4 |
| | 13C2-8:2FTS | EIS | 3.66 | 529.2 / 81.1 | 81744 | | 4.402 | NA | NA | NA | 91.7 |

| Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| 13C8-PFOSA | EIS | 5.23 | 506.1 / 78.1 | 544867 | | 2.453 | NA | NA | NA | 98.1 |
| d3-NMeFOSA | EIS | 5.96 | 515.2 / 219.0 | 99972 | | 2.493 | NA | NA | NA | 99.7 |
| d5-NEtFOSA | EIS | 6.26 | 531.2 / 219.0 | 90509 | | 2.482 | NA | NA | NA | 99.3 |
| d3-NMeFOSAA | EIS | 3.98 | 573.2 / 419.1 | 147120 | | 5.361 | NA | NA | NA | 107.2 |
| d5-NEtFOSAA | EIS | 4.18 | 589.3 / 419.1 | 115752 | | 5.278 | NA | NA | NA | 105.6 |
| d7-NMeFOSE | EIS | 5.82 | 623.2 / 58.9 | 712694 | | 24.703 | NA | NA | NA | 98.8 |
| d9-NEtFOSE | EIS | 6.11 | 639.2 / 58.9 | 947981 | | 24.495 | NA | NA | NA | 98.0 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C3-HFPO-DA | EIS | 2.12 | 287.0 / 169.0 | 1377490 | | 9.498 | NA | NA | NA | 95.0 |
| | 13C3-PFBA | NIS | 0.59 | 216.0 / 172.0 | 784842 | | 5.415 | NA | NA | NA | 108.3 |
| | 13C2-PFHxA | NIS | 1.91 | 315.0 / 270.0 | 403737 | | 2.491 | NA | NA | NA | 99.6 |
| | 13C4-PFOA | NIS | 2.98 | 417.0 / 372.0 | 374223 | | 2.603 | NA | NA | NA | 104.1 |
| | 13C5-PFNA | NIS | 3.42 | 468.0 / 423.0 | 256661 | | 1.245 | NA | NA | NA | 99.6 |
| | 13C2-PFDA | NIS | 3.85 | 515.1 / 470.1 | 257551 | | 1.211 | NA | NA | NA | 96.9 |
| | 18O2-PFHxS | NIS | 3.09 | 403.1 / 84.1 | 270026 | | 2.294 | NA | NA | NA | 96.8 |
| | 13C4-PFOS | NIS | 3.99 | 503.1 / 80.1 | 281465 | | 2.341 | NA | NA | NA | 97.6 |

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 3/4/2025 5:58:35 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
Alpha Analytical LLC
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Generated: 3/4/2025 5:58:35 AM

PFBA
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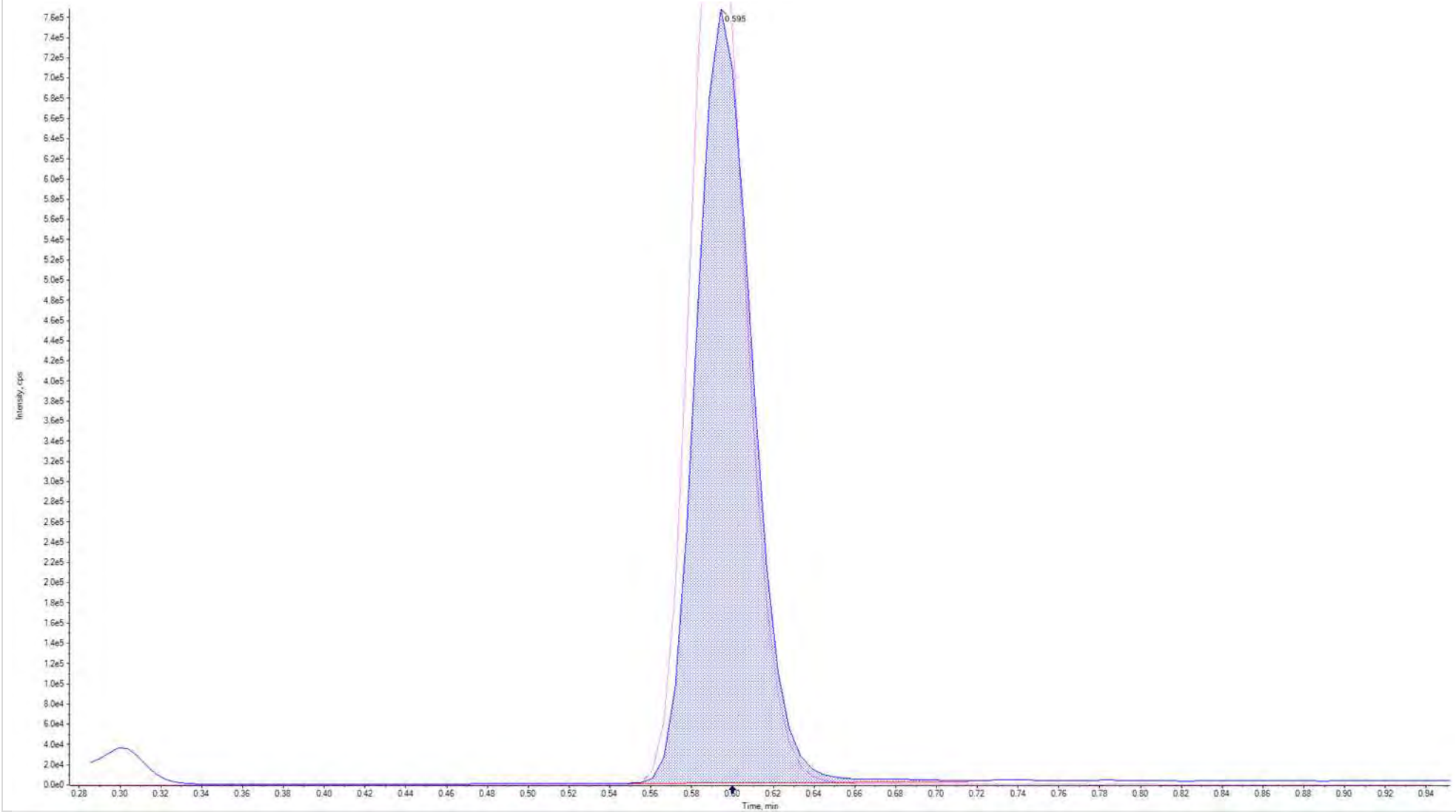

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Alpha Analytical LLC
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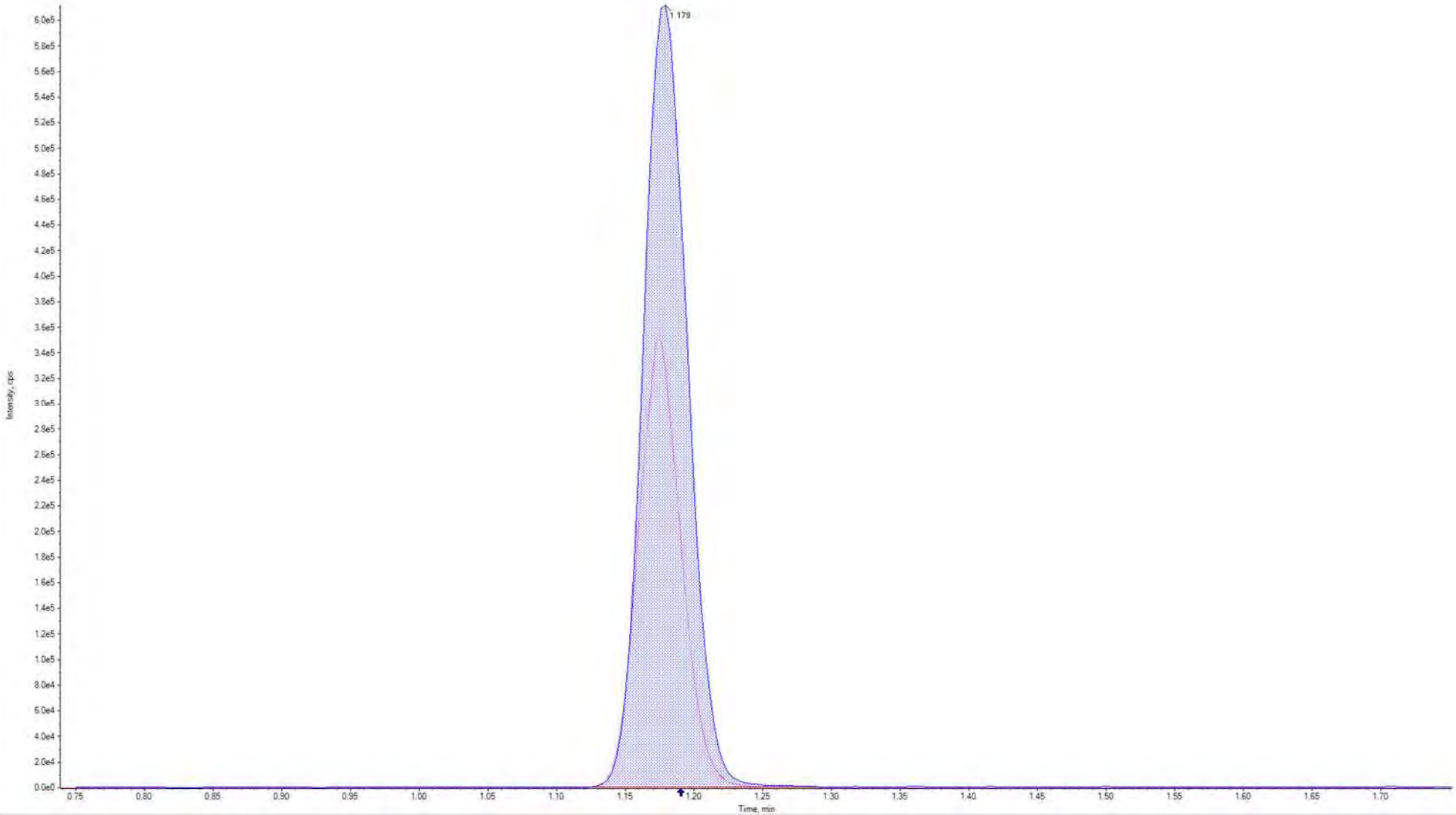
PFPeA
Sample: CA1633STD-10 S/N:6348.4 Points Across peak:58



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Alpha Analytical LLC
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PFPeA_2
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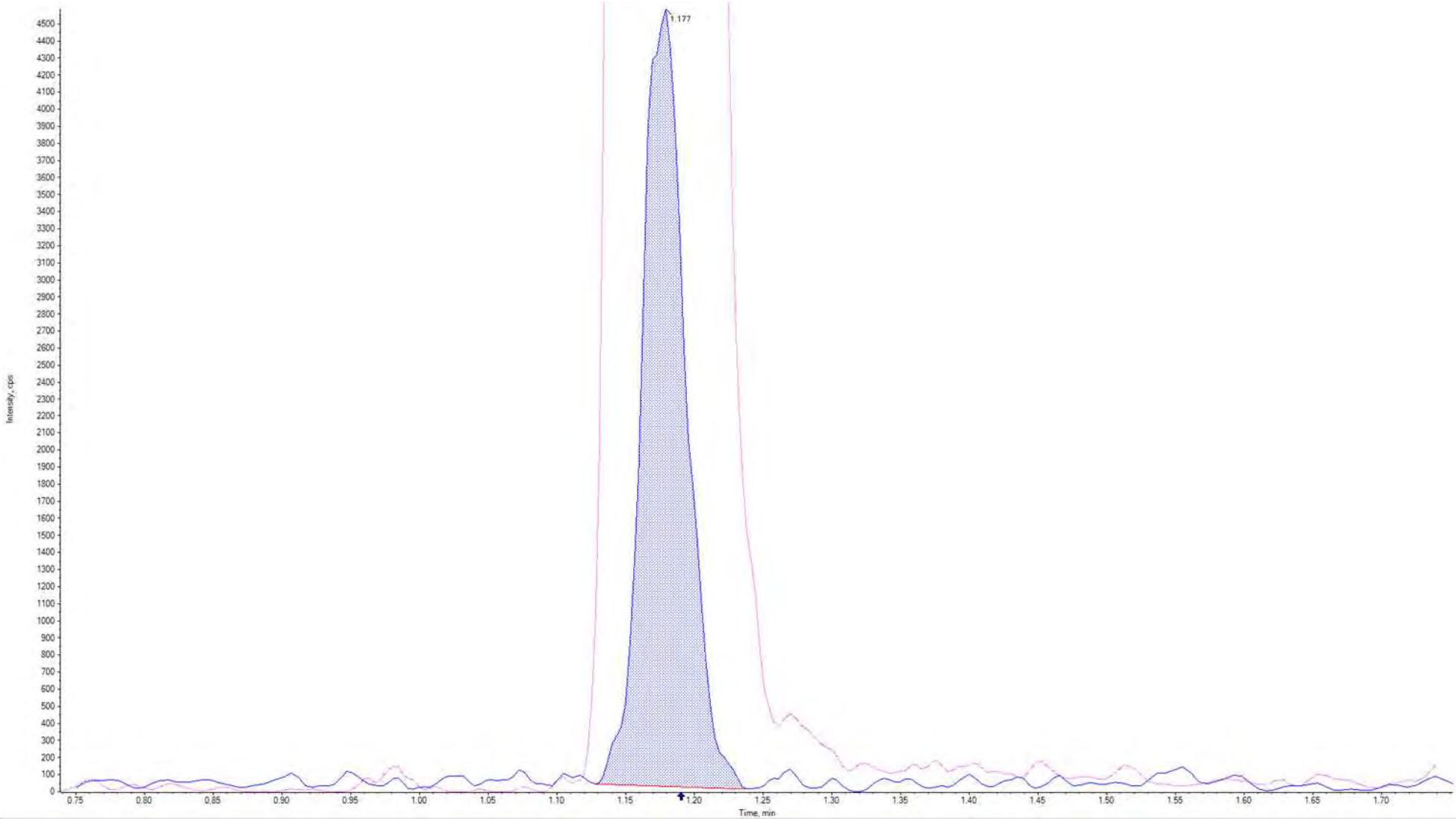

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Alpha Analytical LLC
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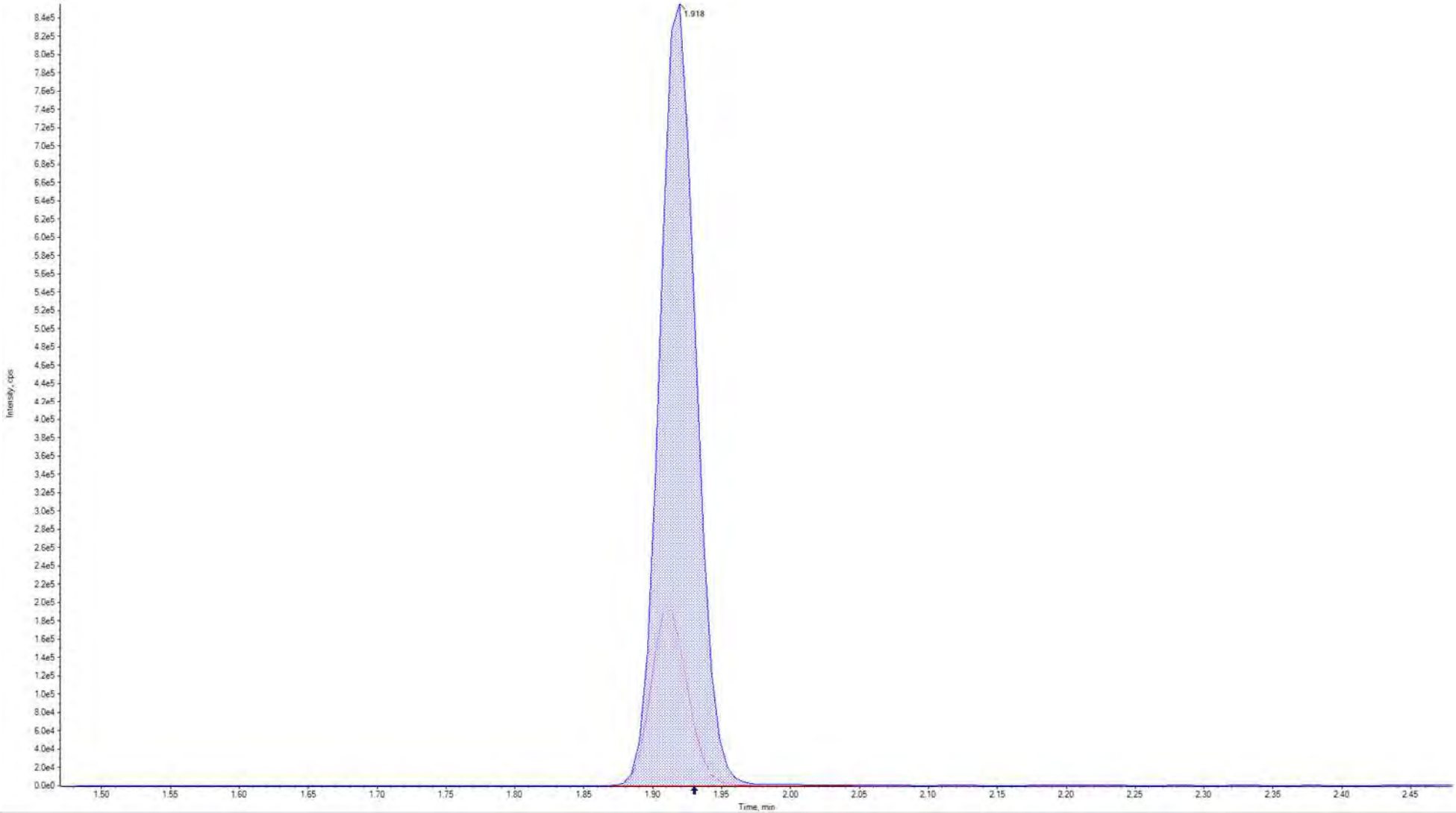
PFHxA
Sample: CA1633STD-10 S/N:7563.8 Points Across peak:37



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Alpha Analytical LLC
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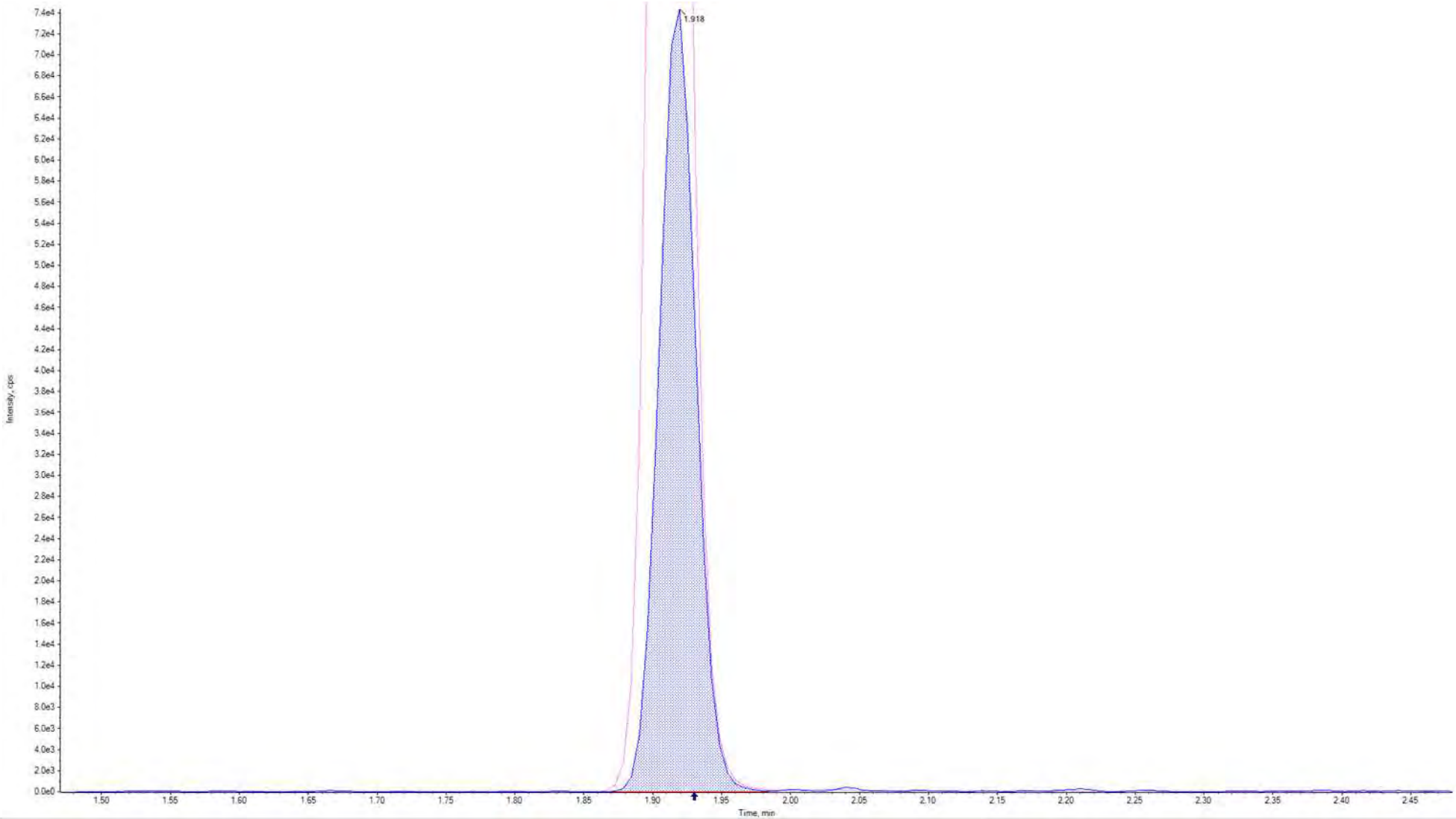
PFHxA_2
Sample: CA1633STD-10 S/N:1862.8 Points Across peak:22



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Alpha Analytical LLC
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Last Altered: 3/4/2025 10:08:00 AM
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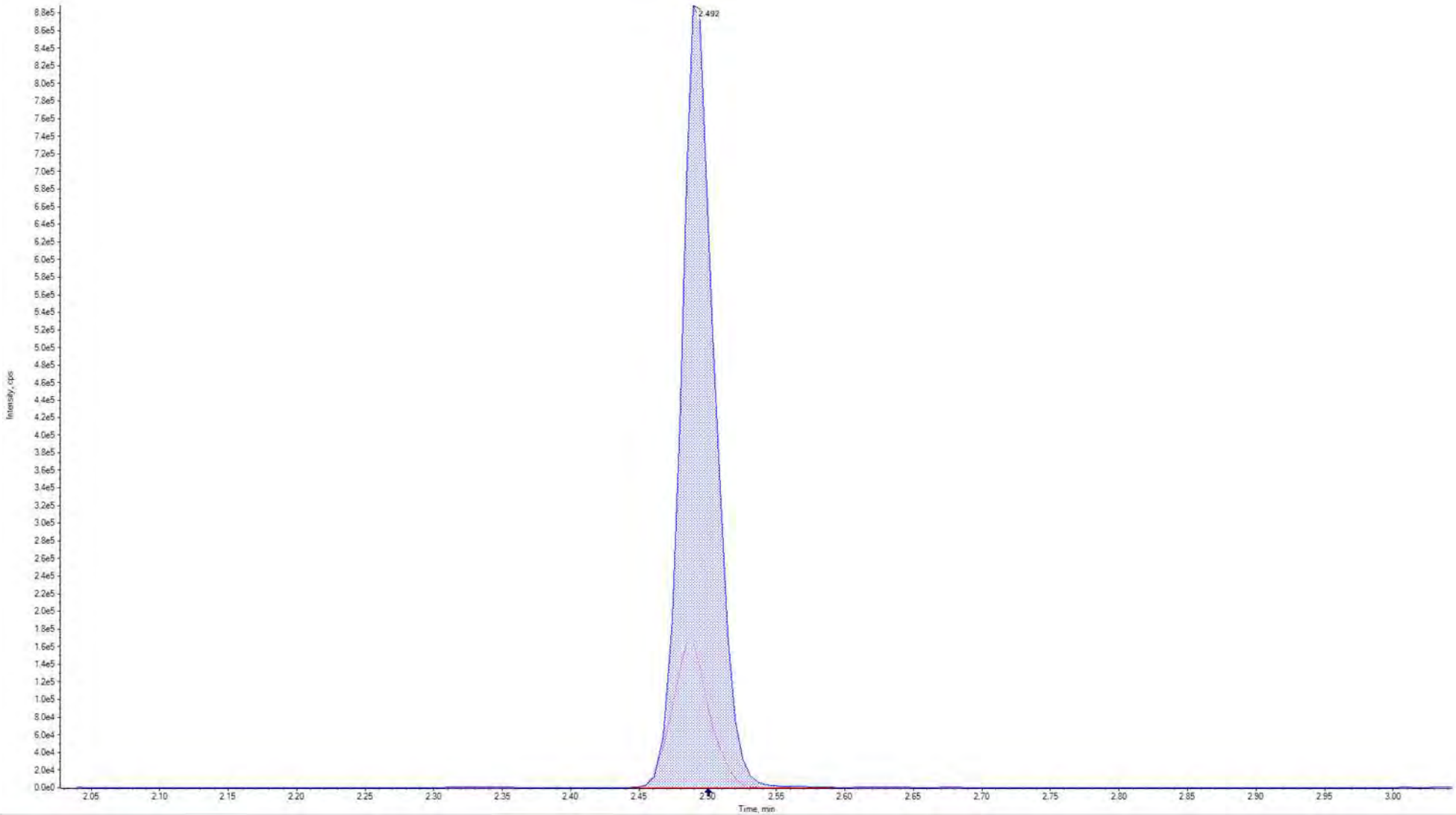
PFHpA
Sample: CA1633STD-10 S/N:6330.3 Points Across peak:31



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Alpha Analytical LLC
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Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFHpA_2
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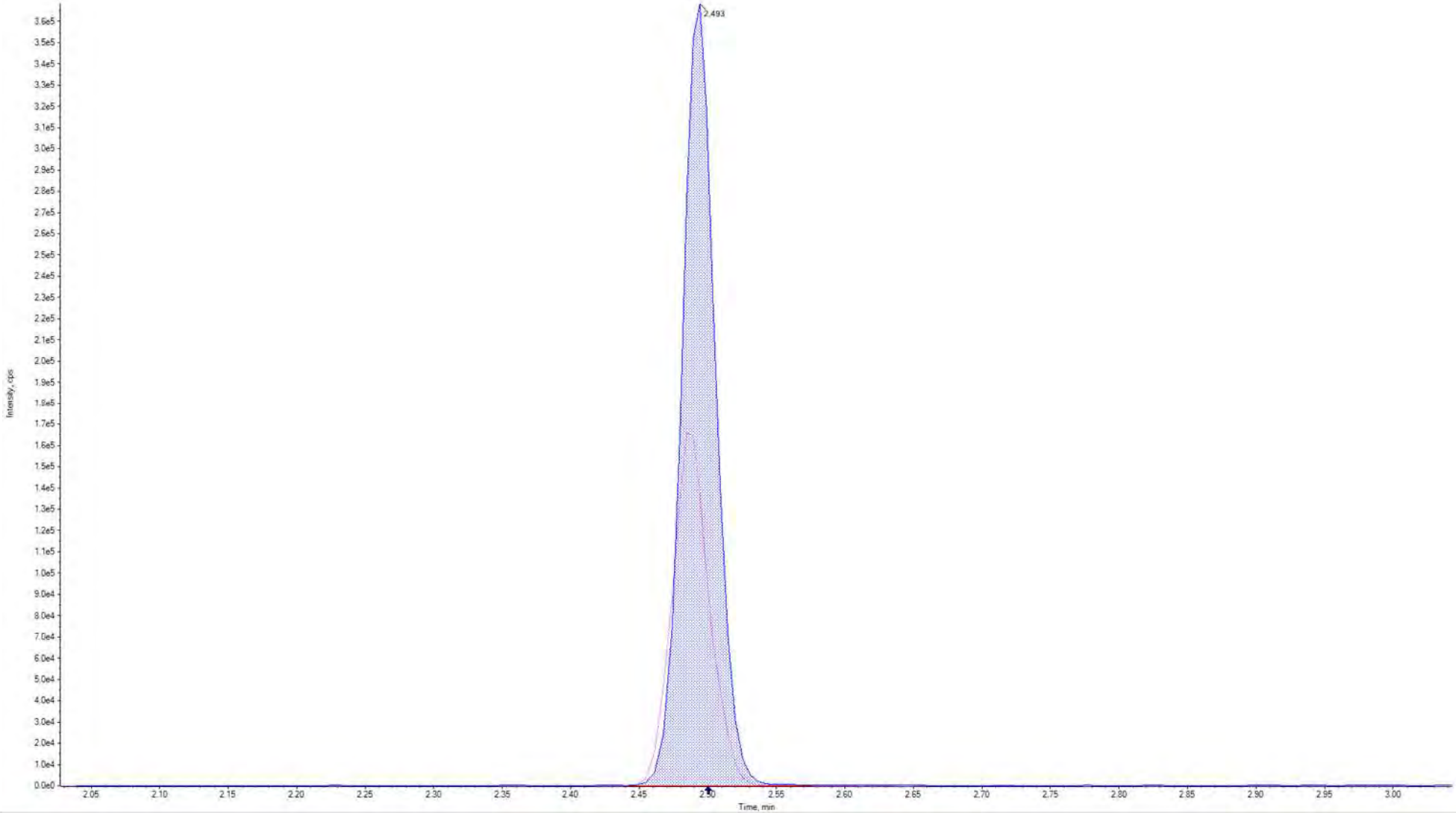

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Alpha Analytical LLC
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PFOA
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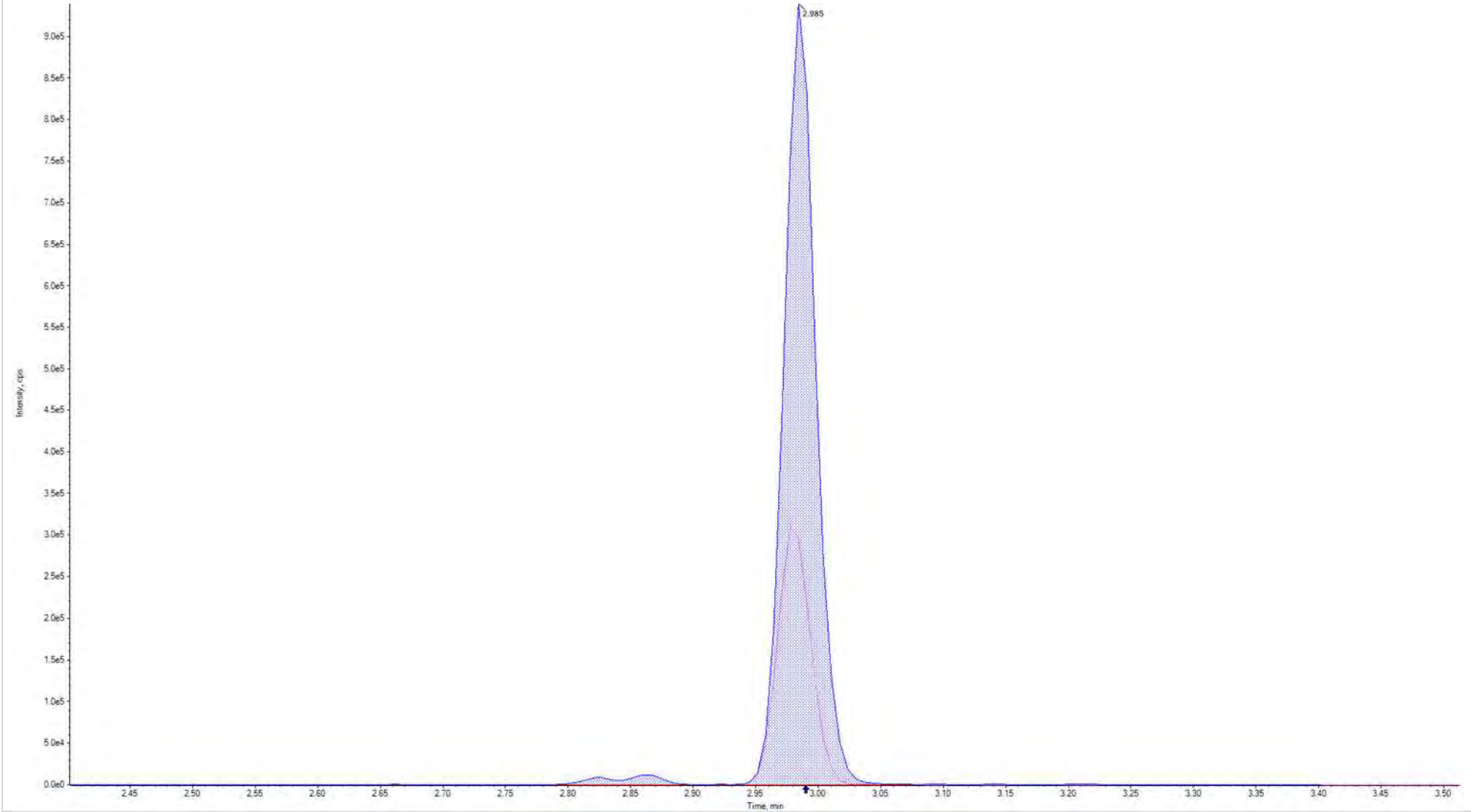

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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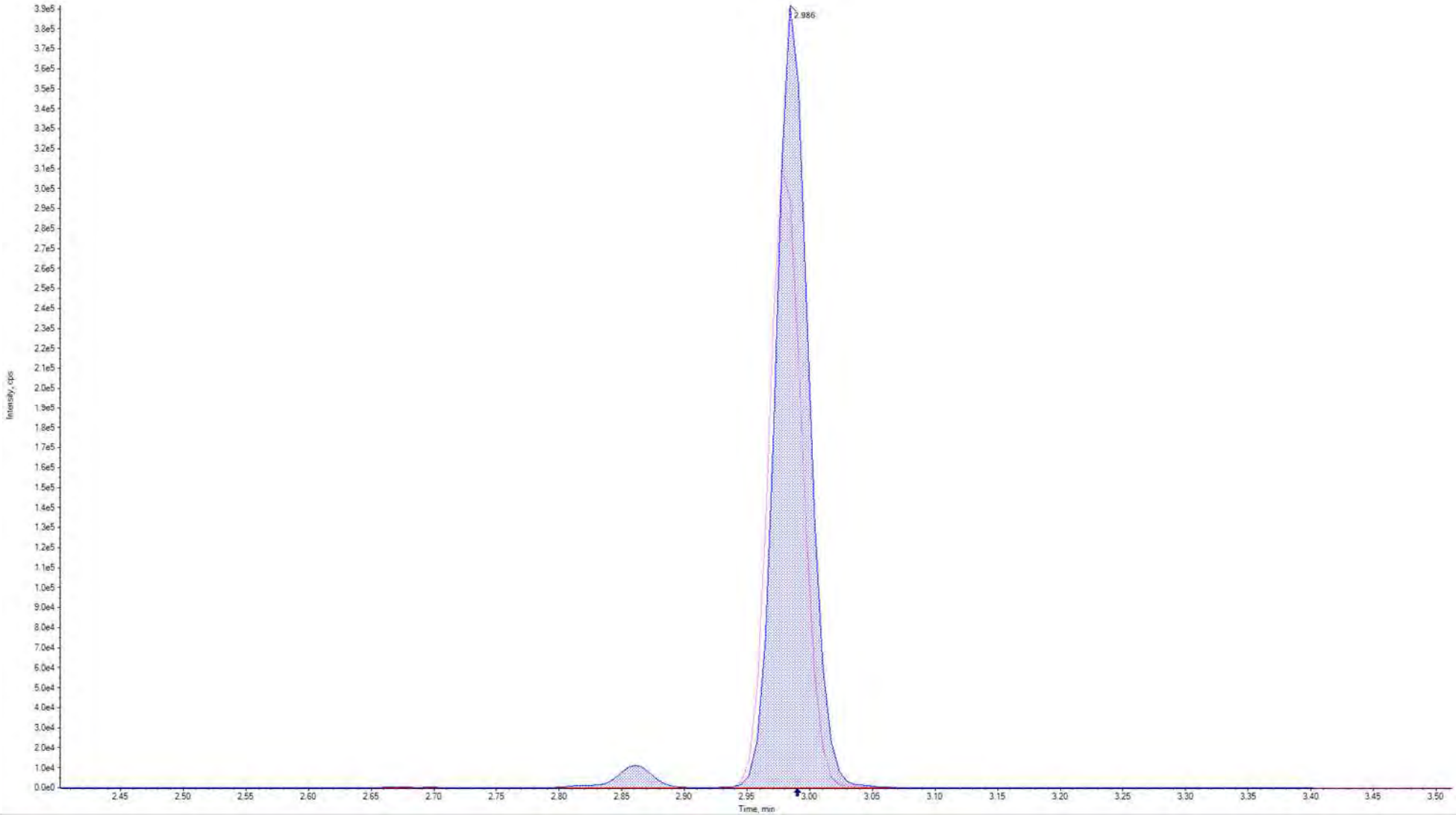
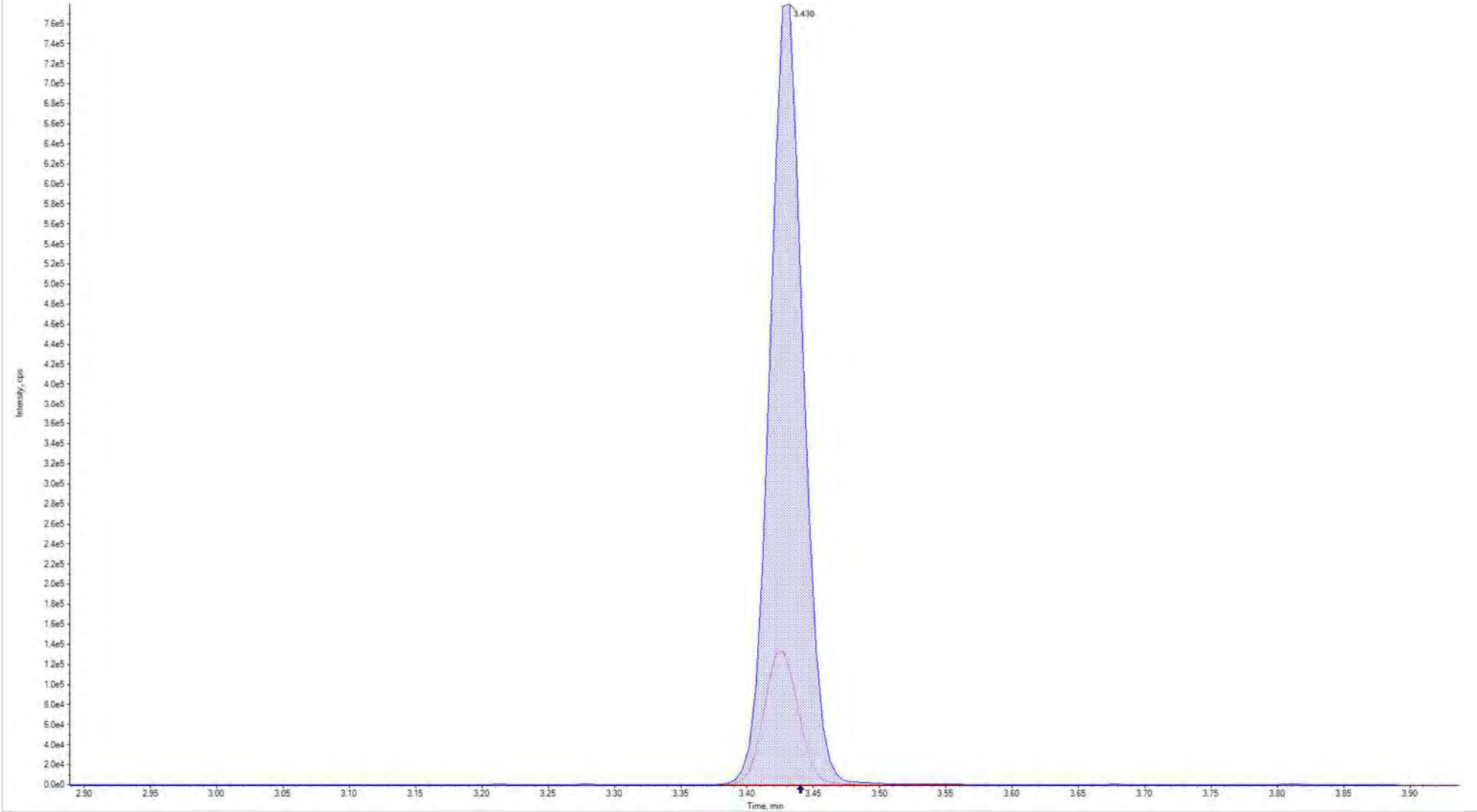
Generated: 3/4/2025 5:58:35 AM

PFOA_2
Sample: CA1633STD-10 S/N:2243.3 Points Across peak:77



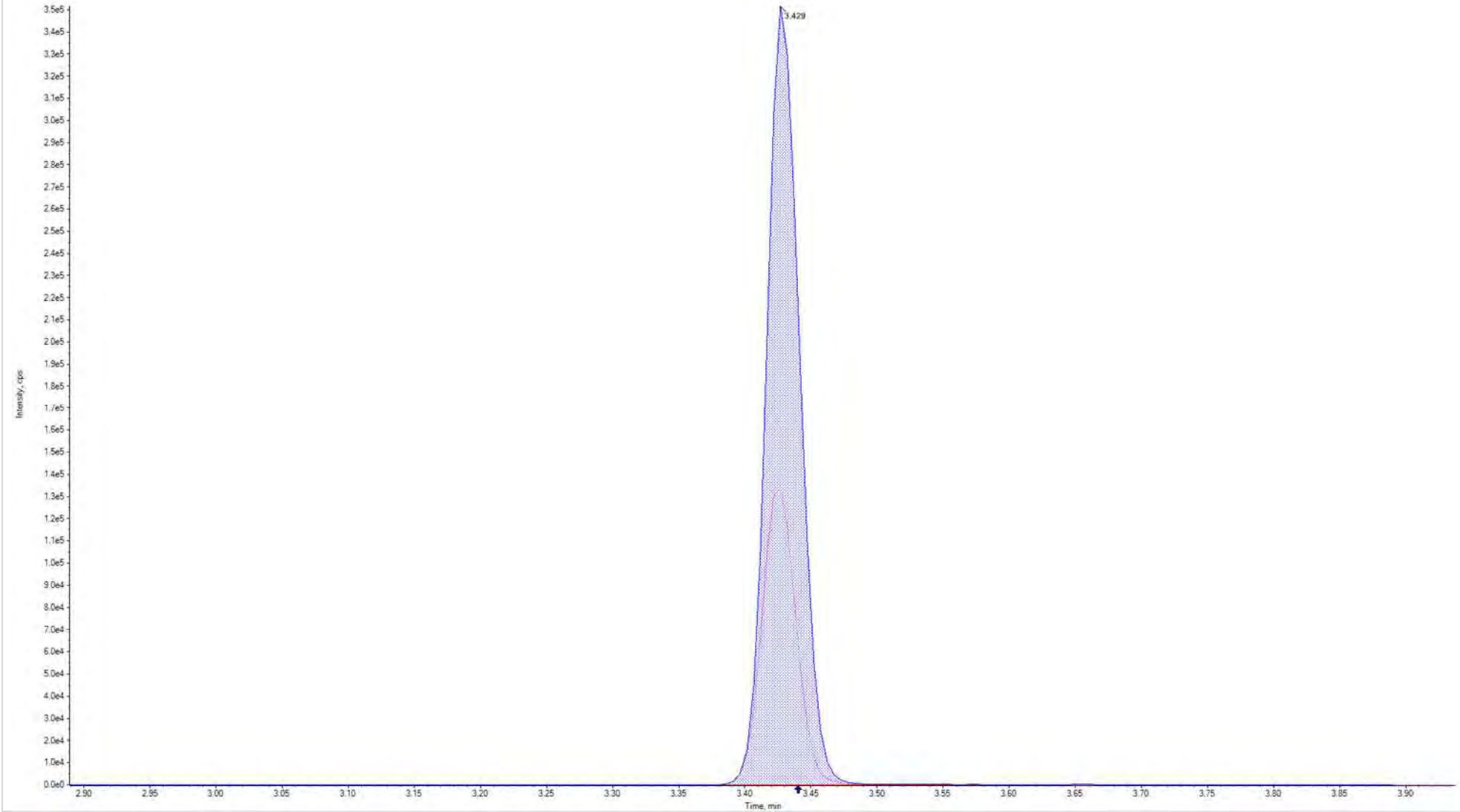
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFNA
Sample: CA1633STD-10 S/N:2770.3 Points Across peak:38



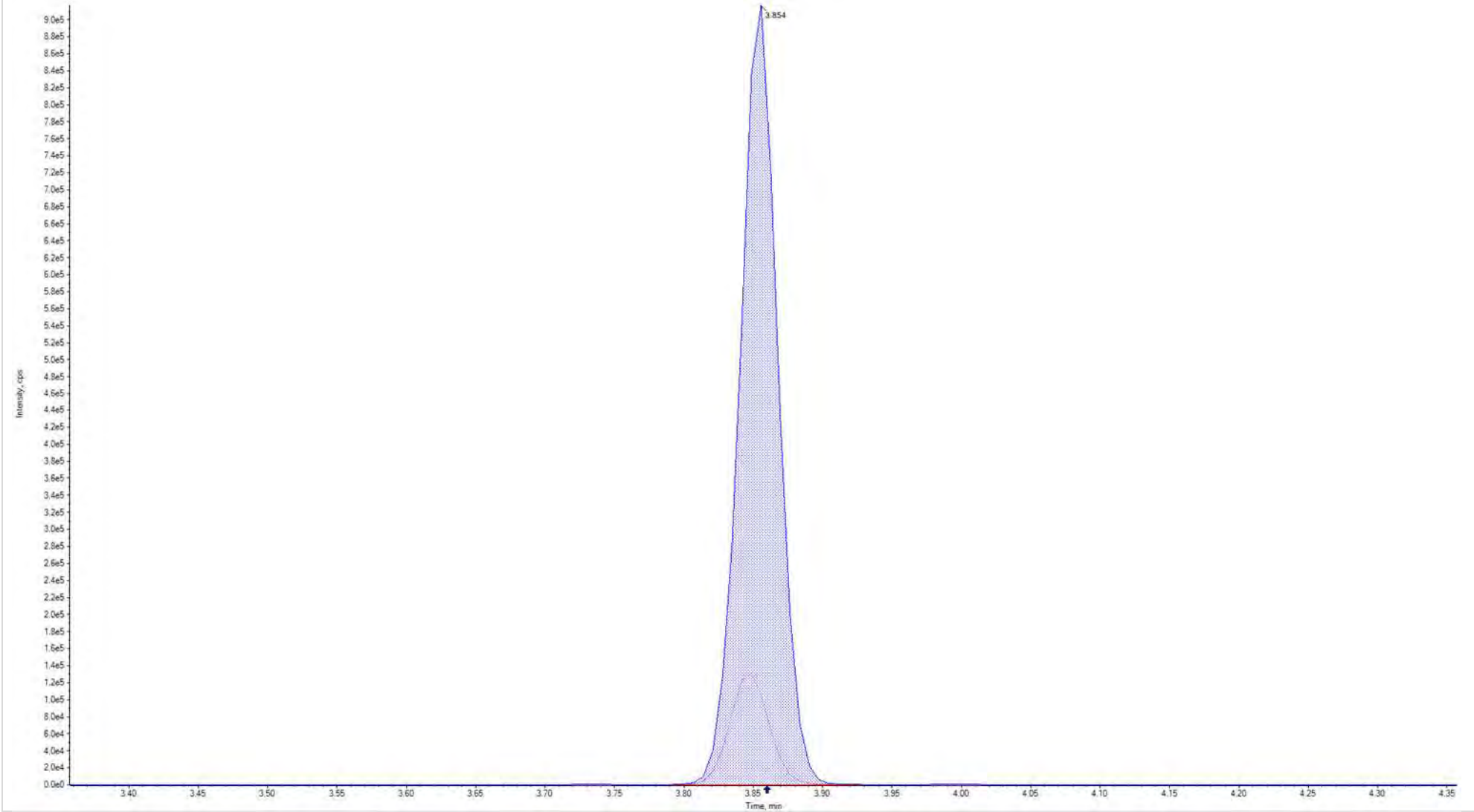
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFNA_2
Sample: CA1633STD-10 S/N:3415.4 Points Across peak:42



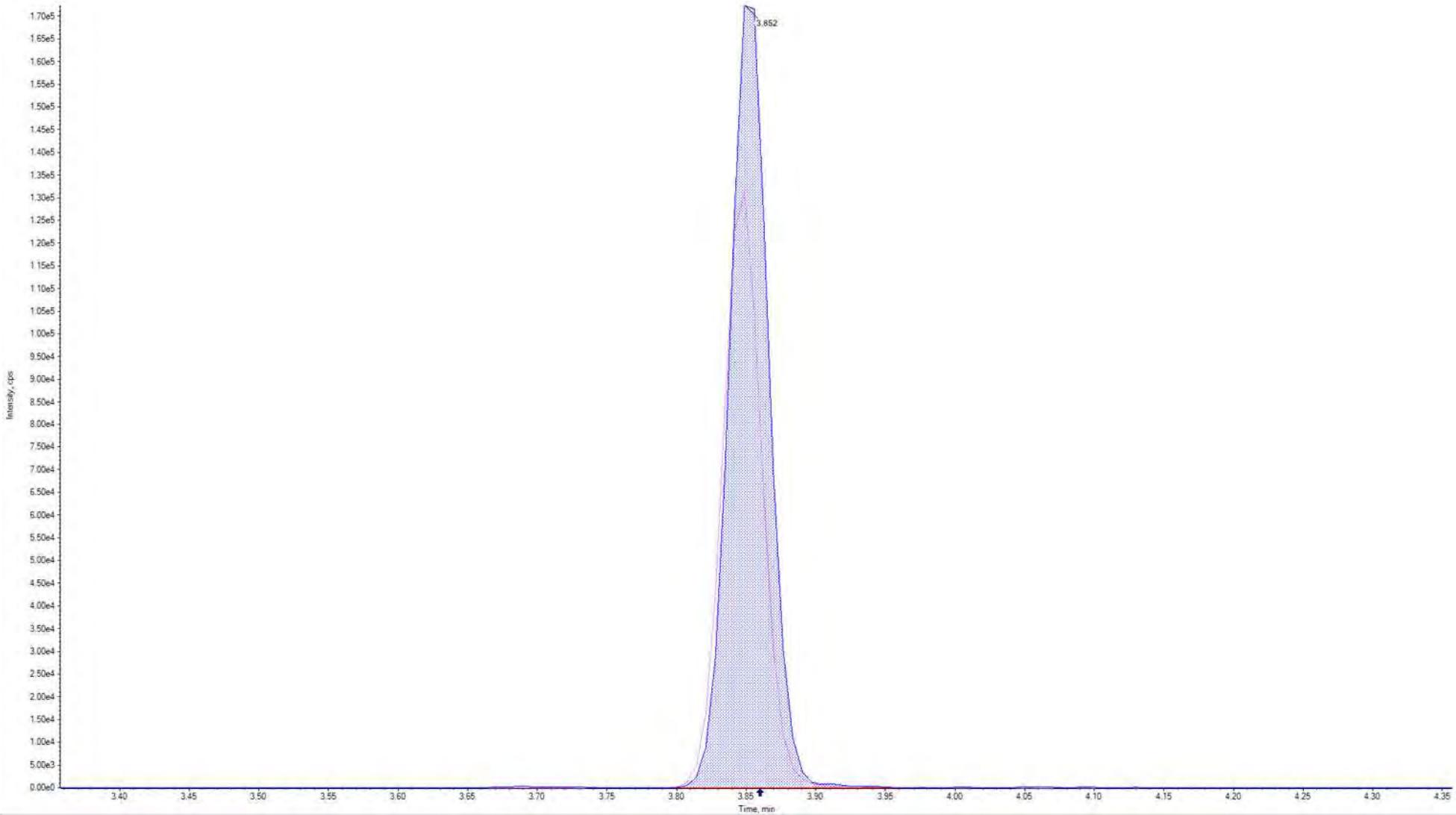
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFDA
Sample: CA1633STD-10 S/N:18382.7 Points Across peak:29



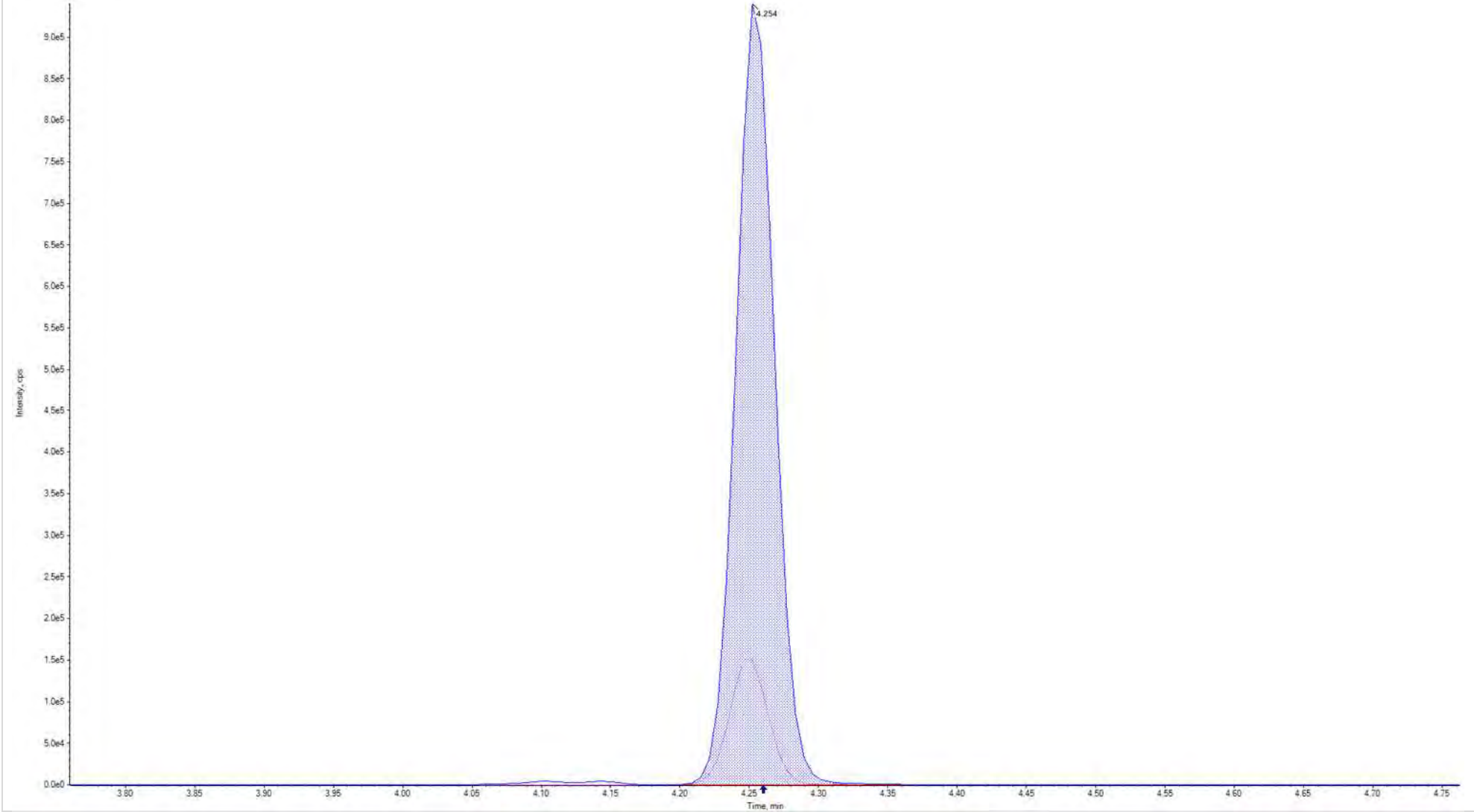
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFDA_2
Sample: CA1633STD-10 S/N:3456.6 Points Across peak:33



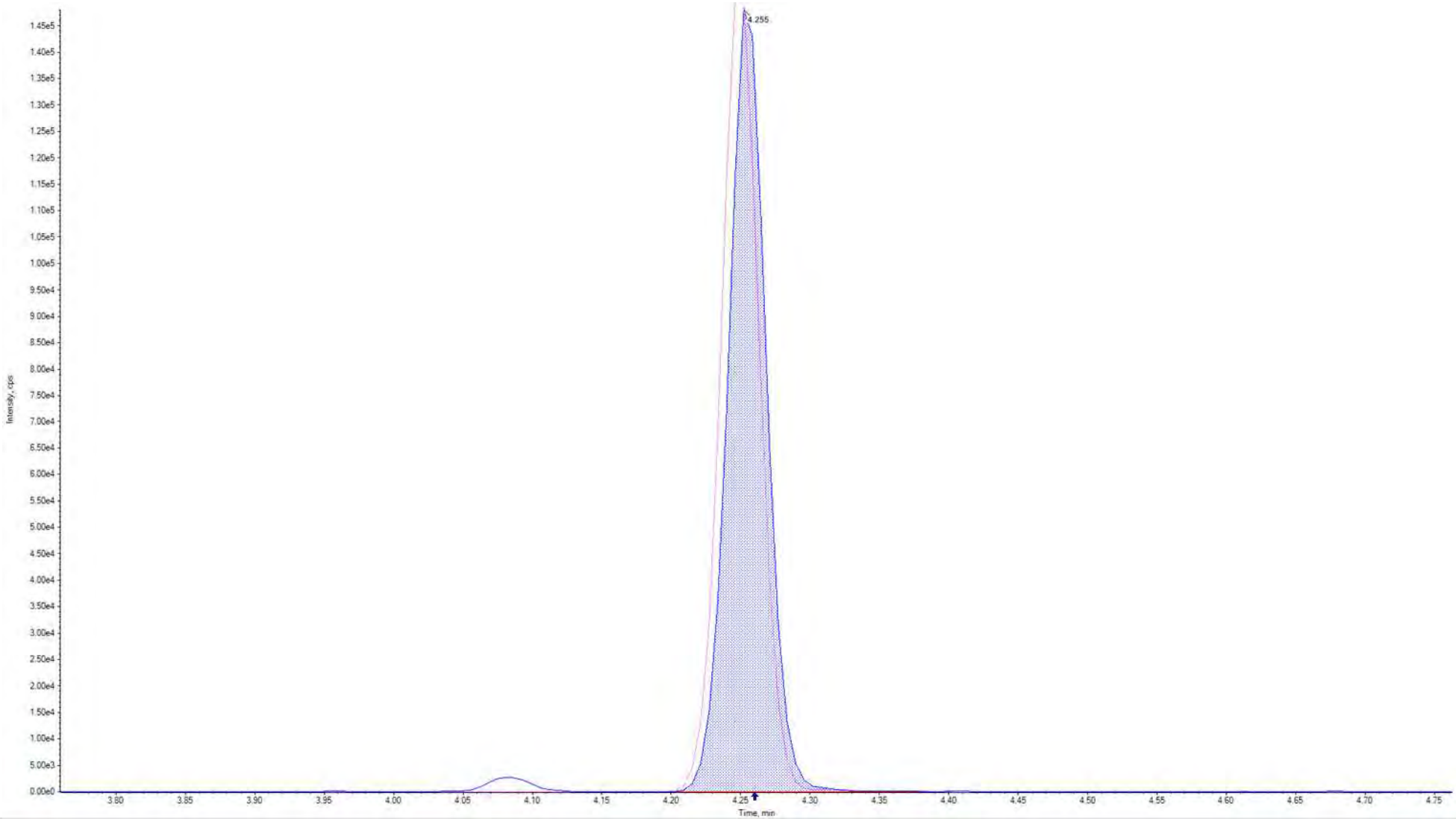
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFUnA
Sample: CA1633STD-10 S/N:21207.7 Points Across peak:30



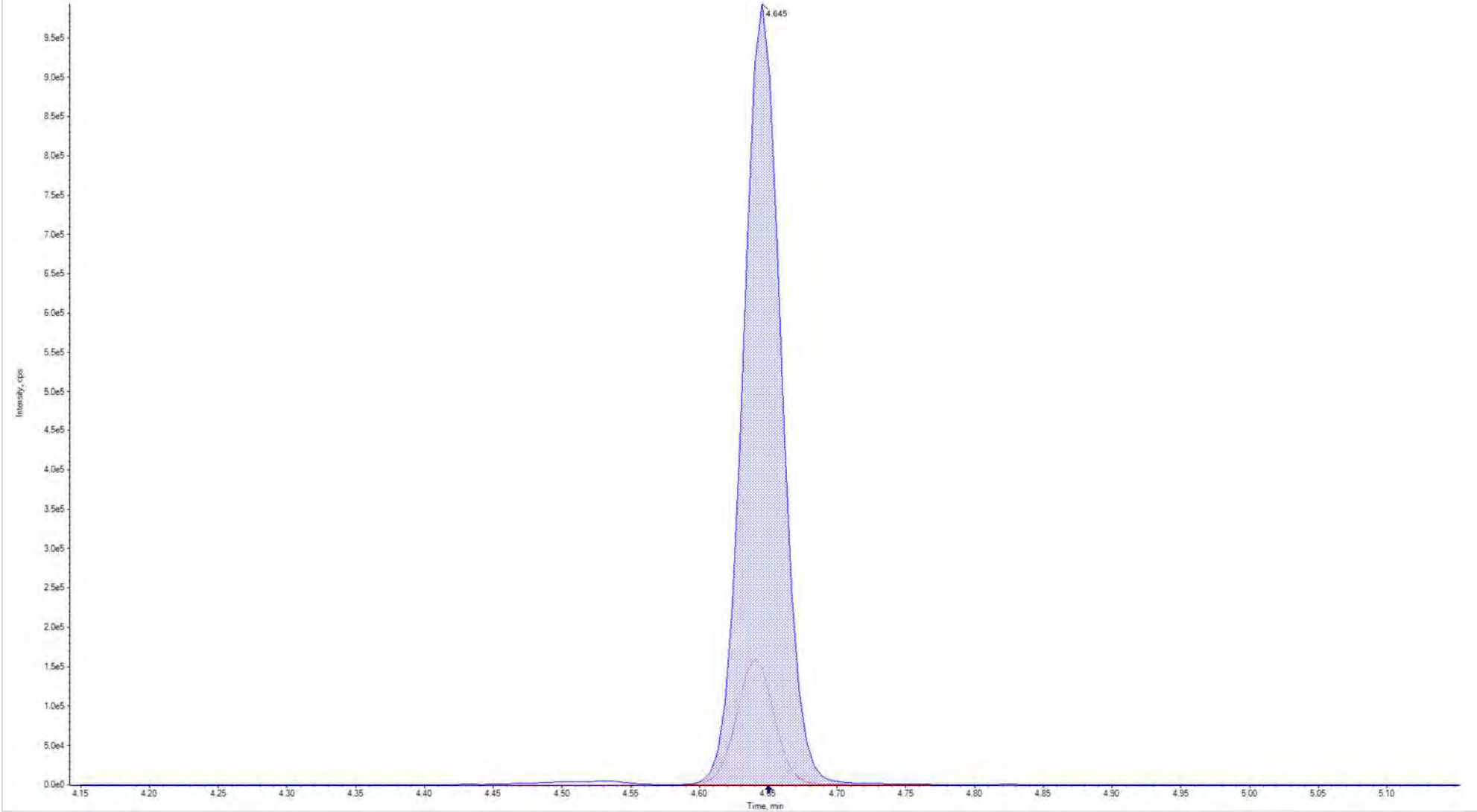
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFUnA_2
Sample: CA1633STD-10 S/N:3338.9 Points Across peak:37



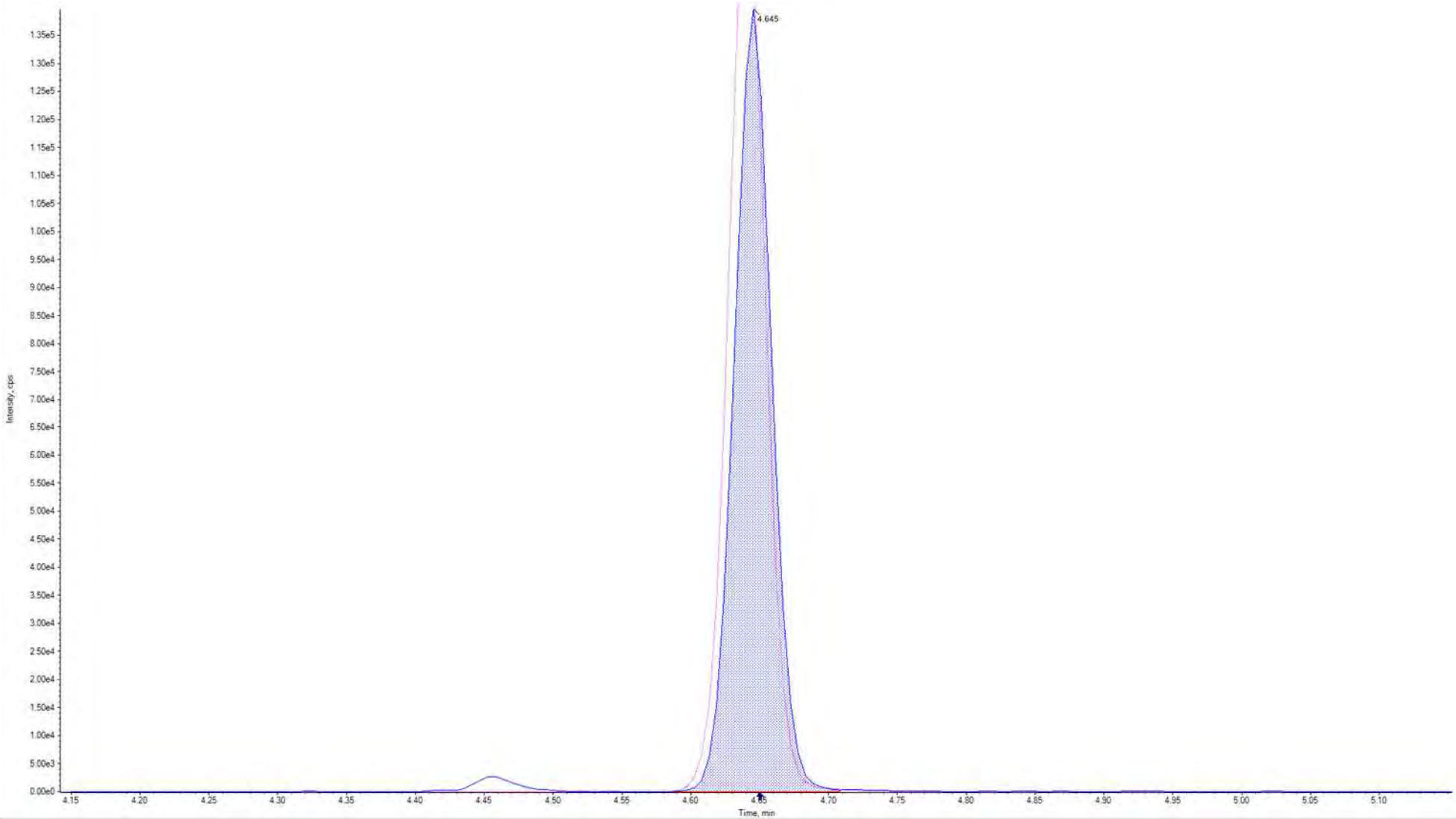
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFDoA
Sample: CA1633STD-10 S/N:10483.5 Points Across peak:43



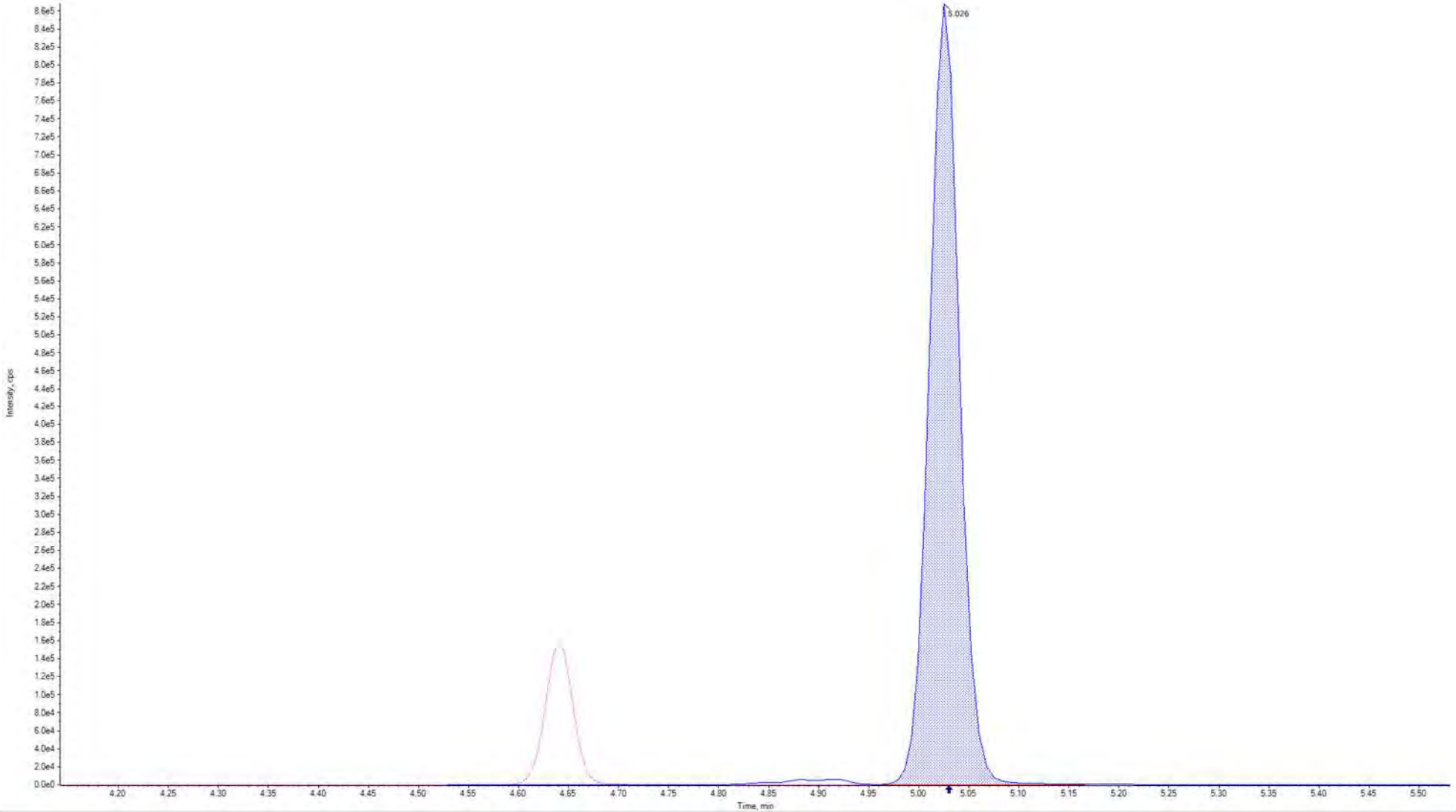
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFDoA_2
Sample: CA1633STD-10 S/N:2272.4 Points Across peak:25



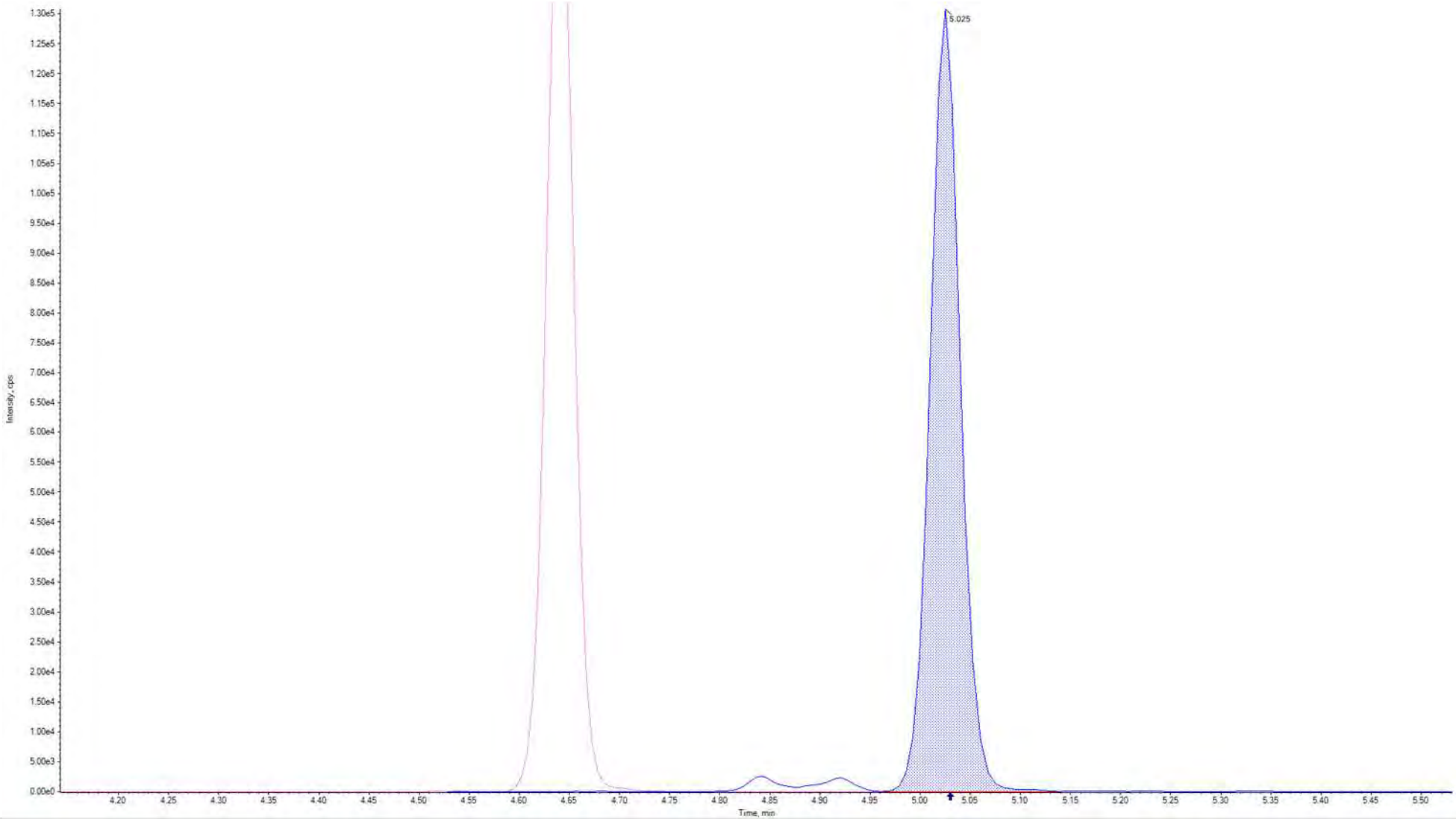
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFTrDA
Sample: CA1633STD-10 S/N:9308.8 Points Across peak:30



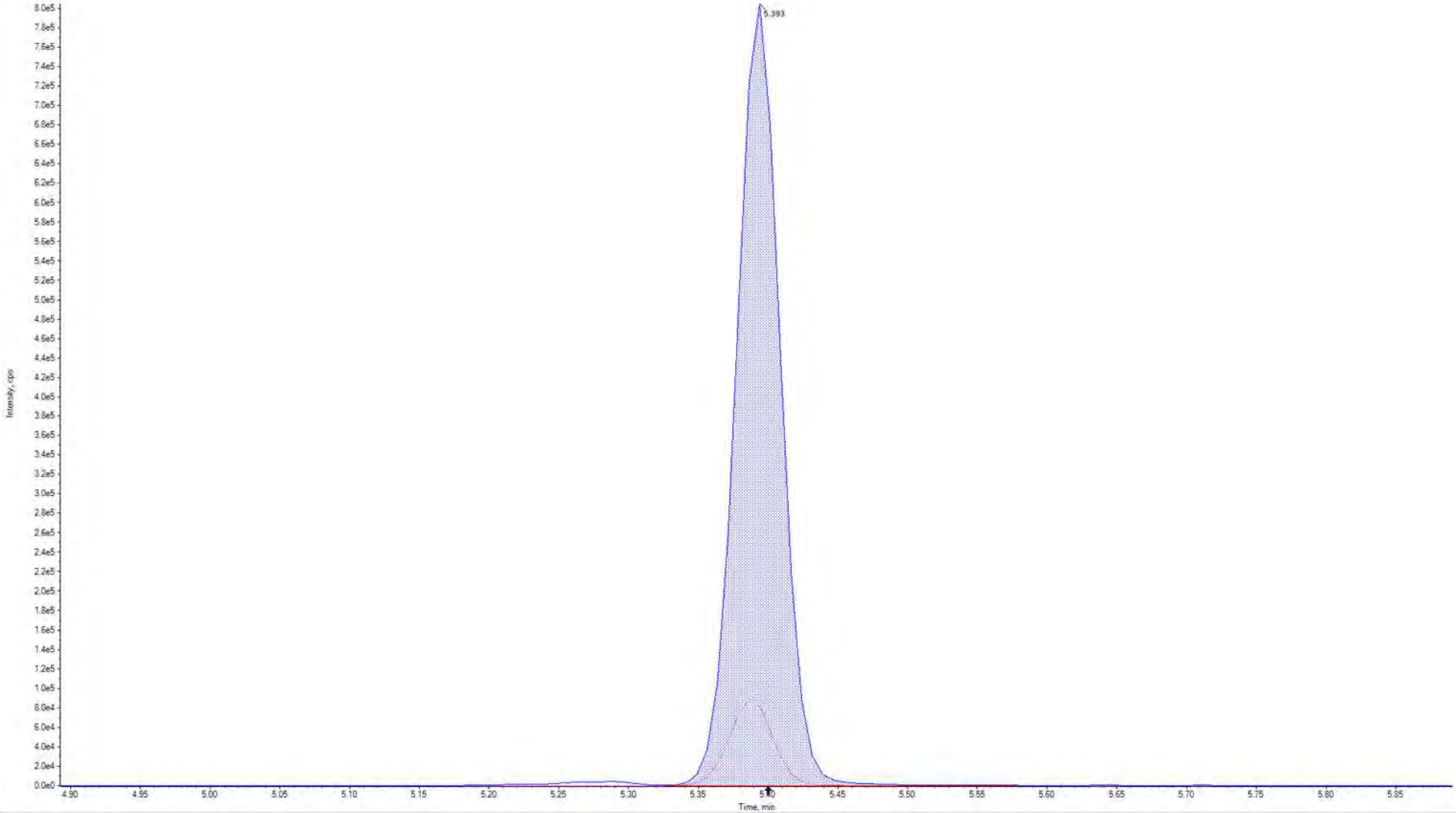
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFTrDA_2
Sample: CA1633STD-10 S/N:1786.1 Points Across peak:26



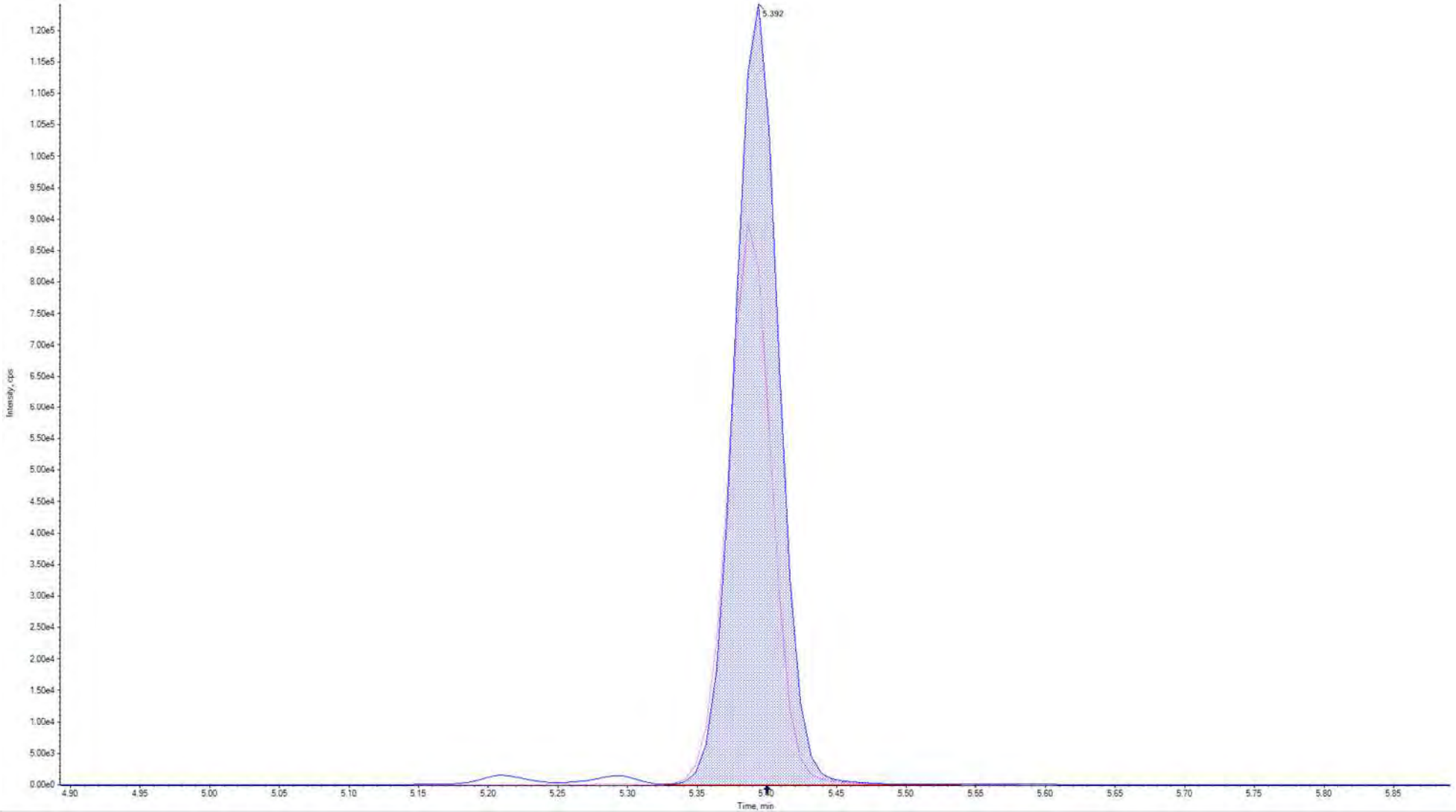
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFTeDA
Sample: CA1633STD-10 S/N:4705.8 Points Across peak:36



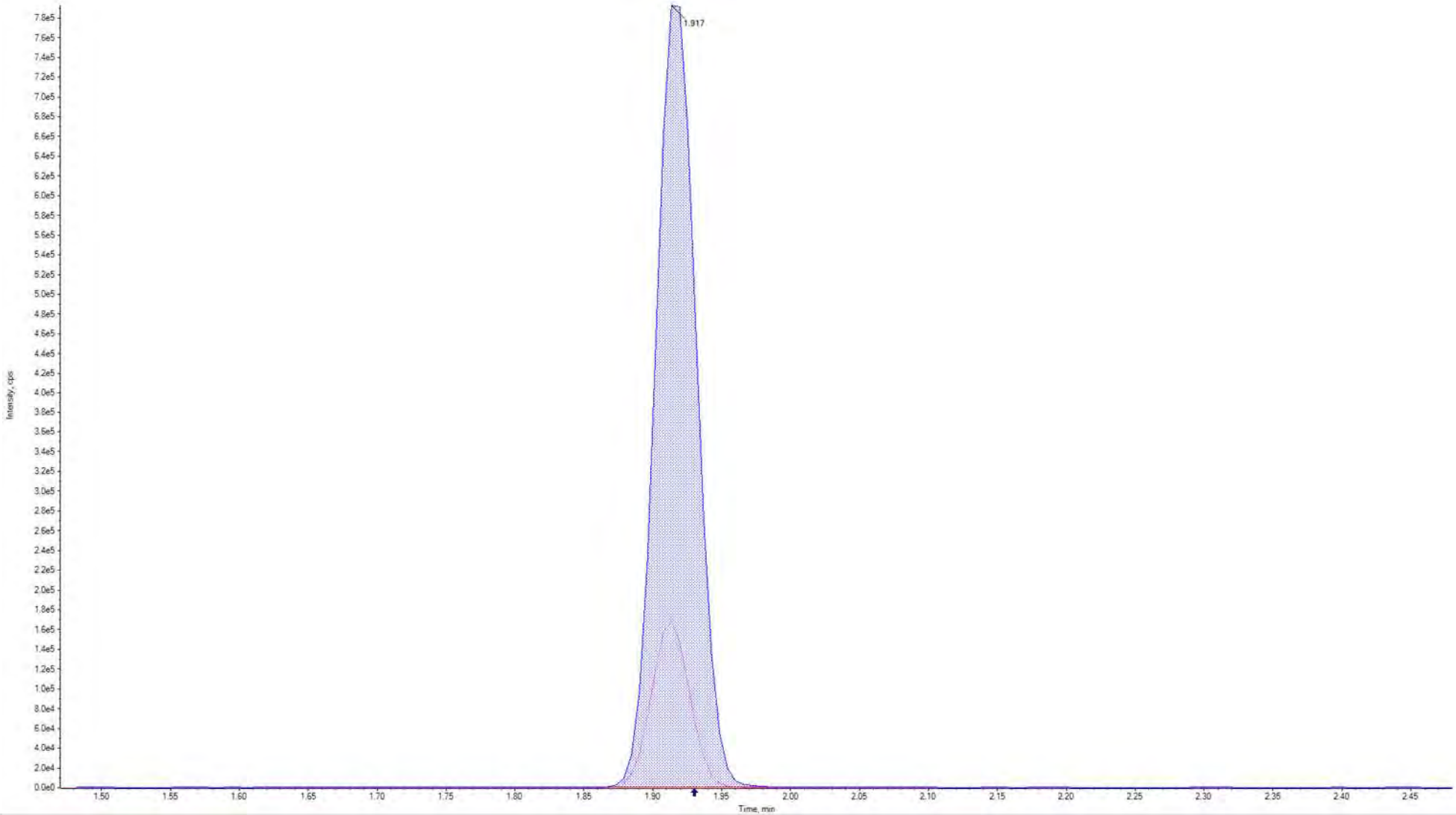
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFTeDA_2
Sample: CA1633STD-10 S/N:1790.2 Points Across peak:27



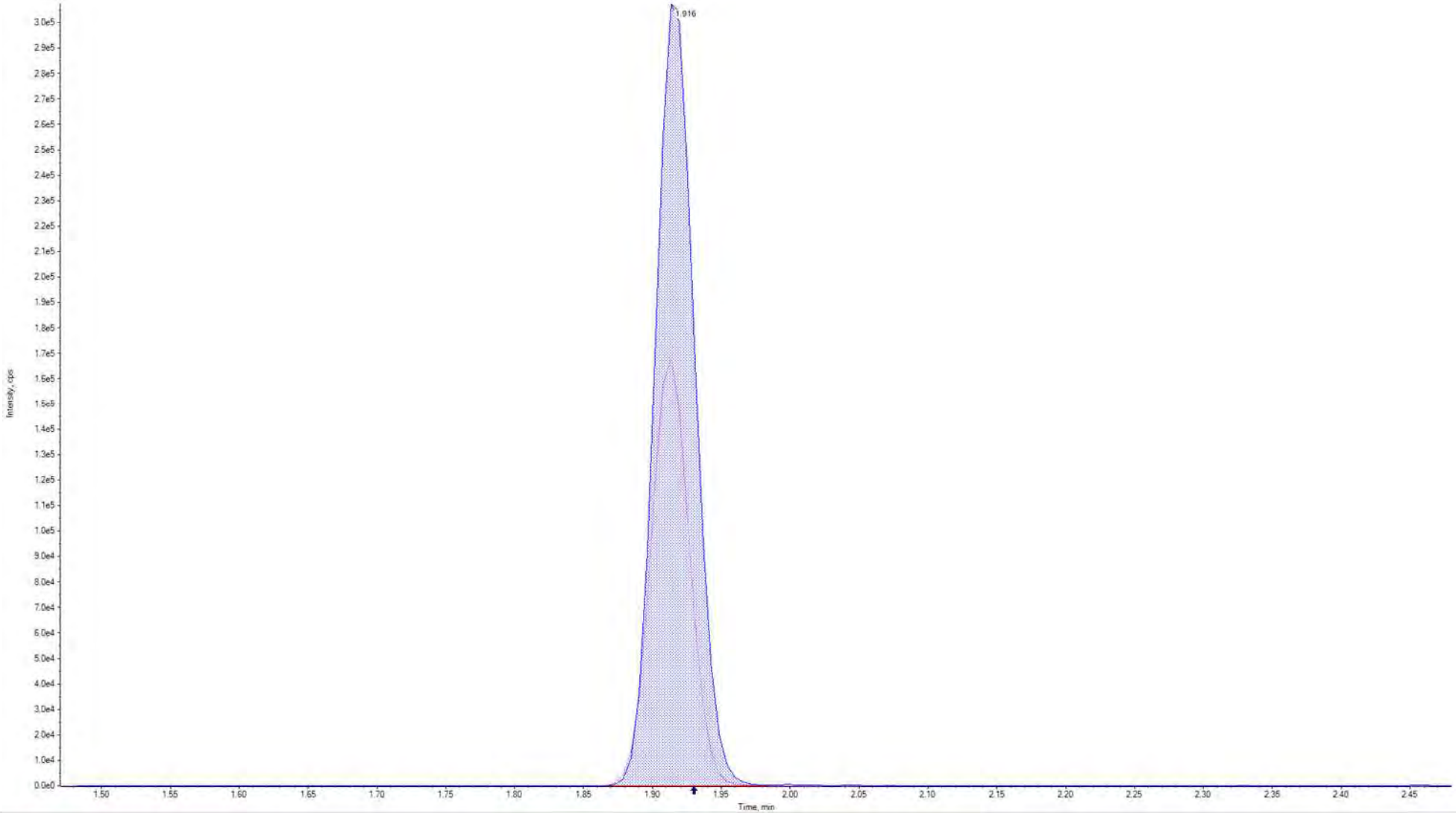
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFBS
Sample: CA1633STD-10 S/N:4100.7 Points Across peak:27



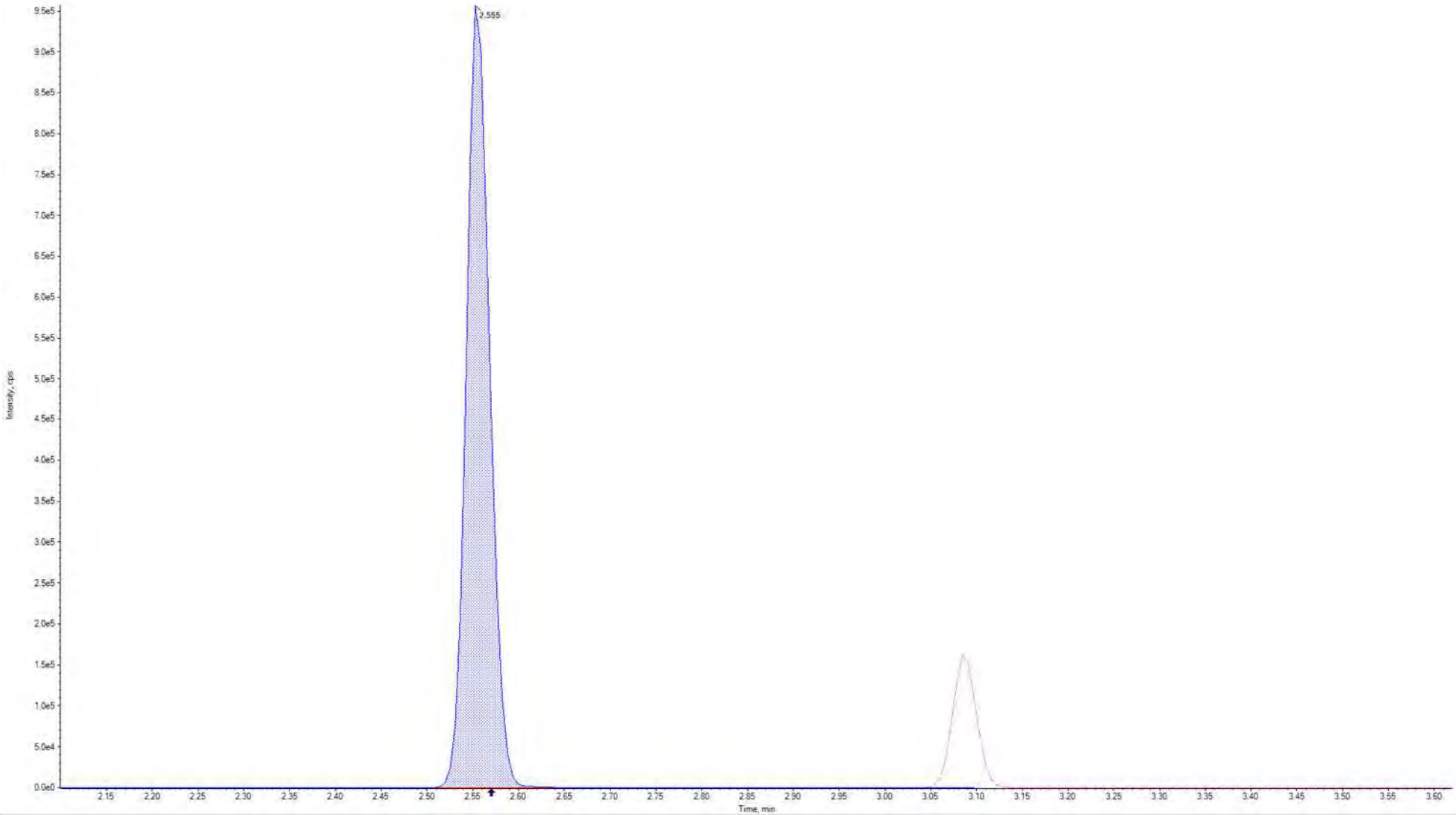
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFBS_2
Sample: CA1633STD-10 S/N:7703.7 Points Across peak:22



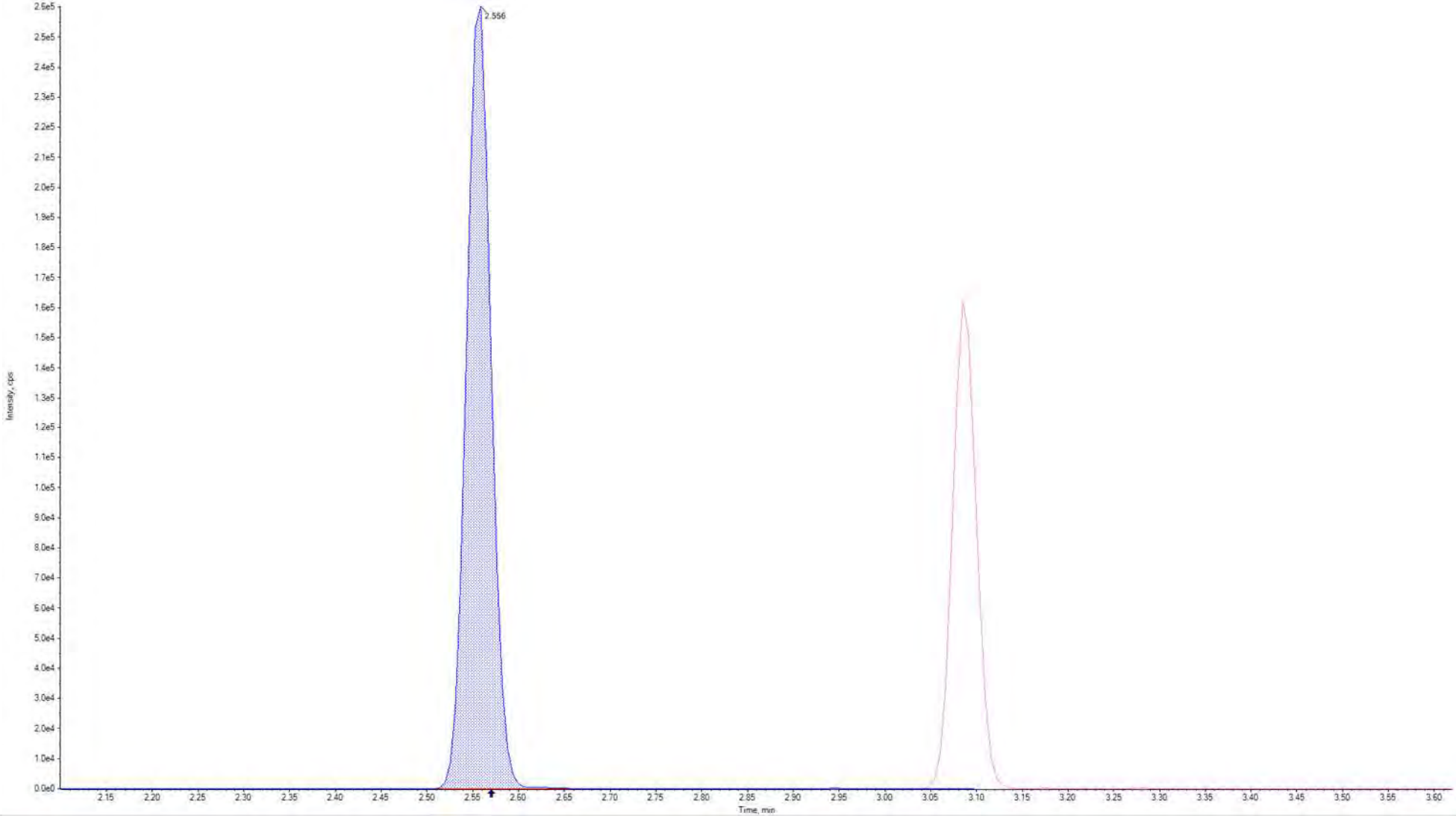
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFPeS
Sample: CA1633STD-10 S/N:7569.5 Points Across peak:37



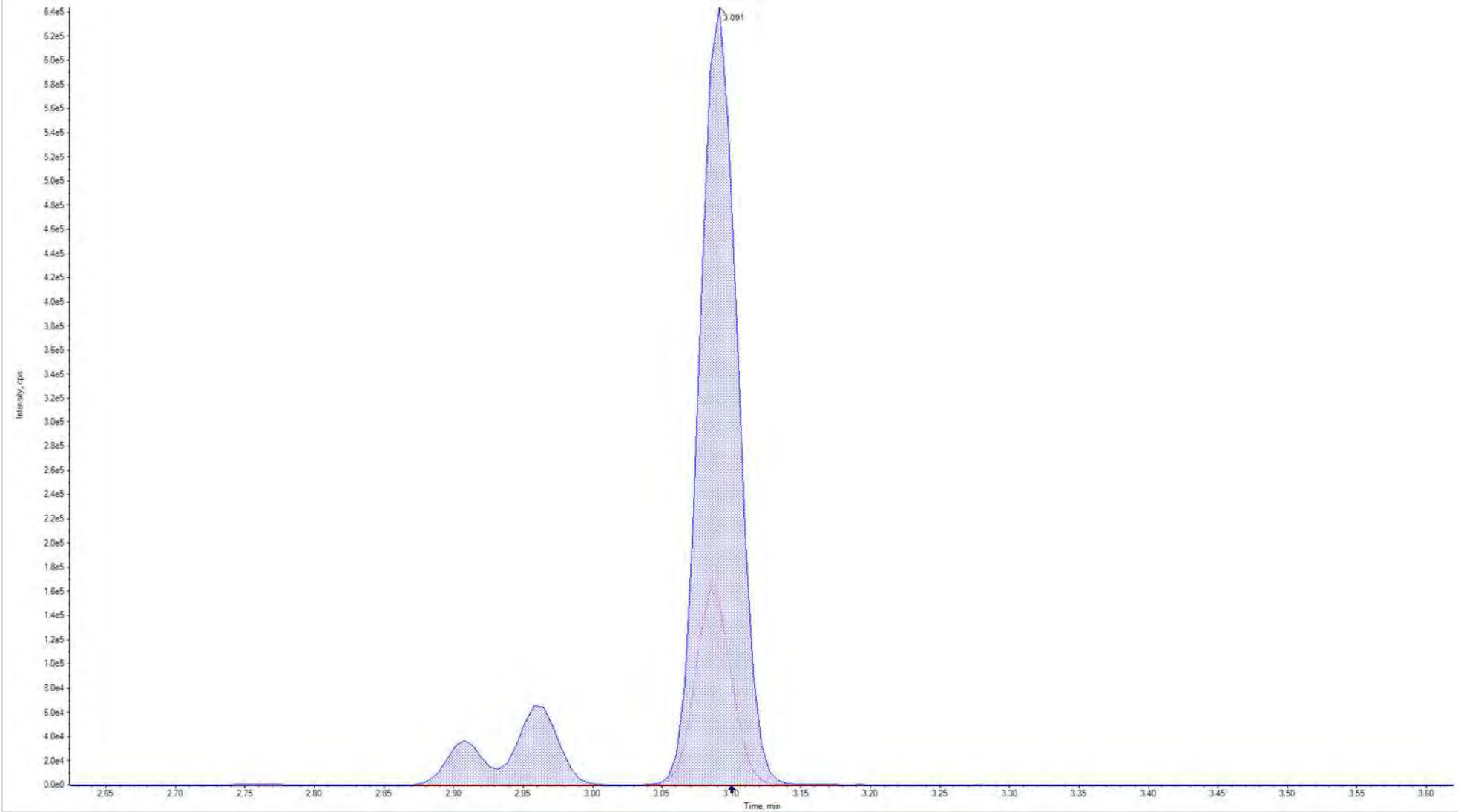
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFPeS_2
Sample: CA1633STD-10 S/N:5218.9 Points Across peak:30



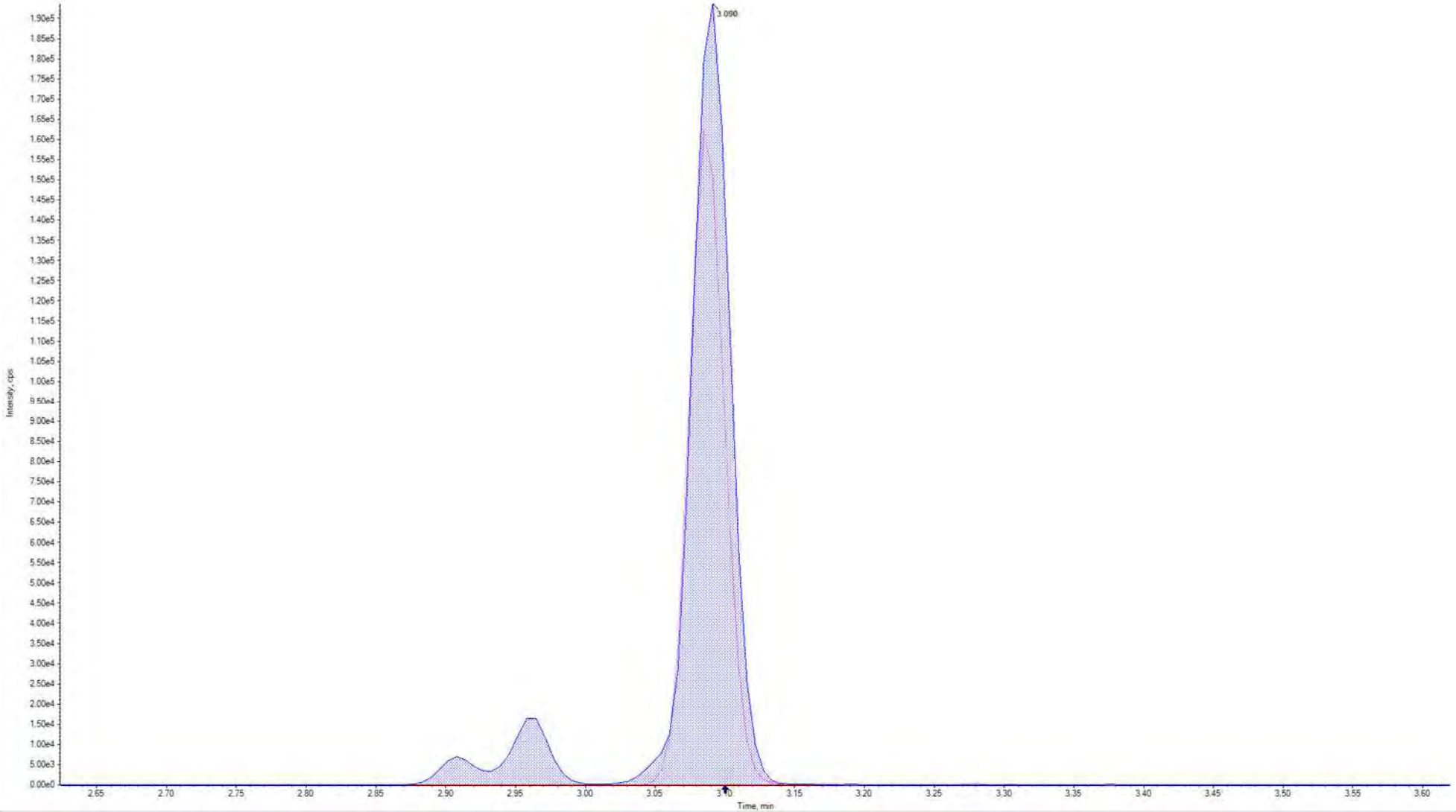
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFHxS
Sample: CA1633STD-10 S/N:1343.6 Points Across peak:59



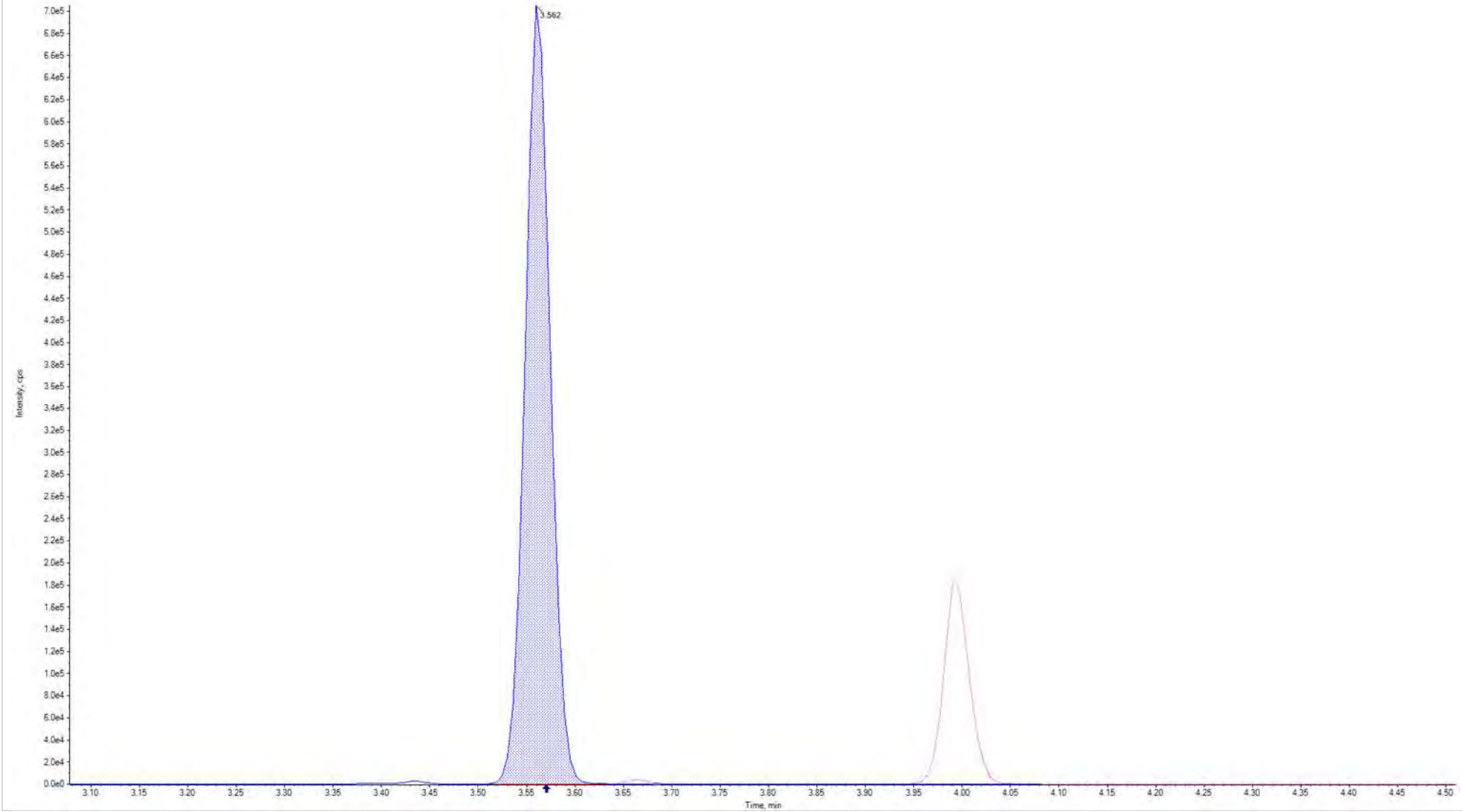
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFHxS_2
Sample: CA1633STD-10 S/N:1542.6 Points Across peak:52



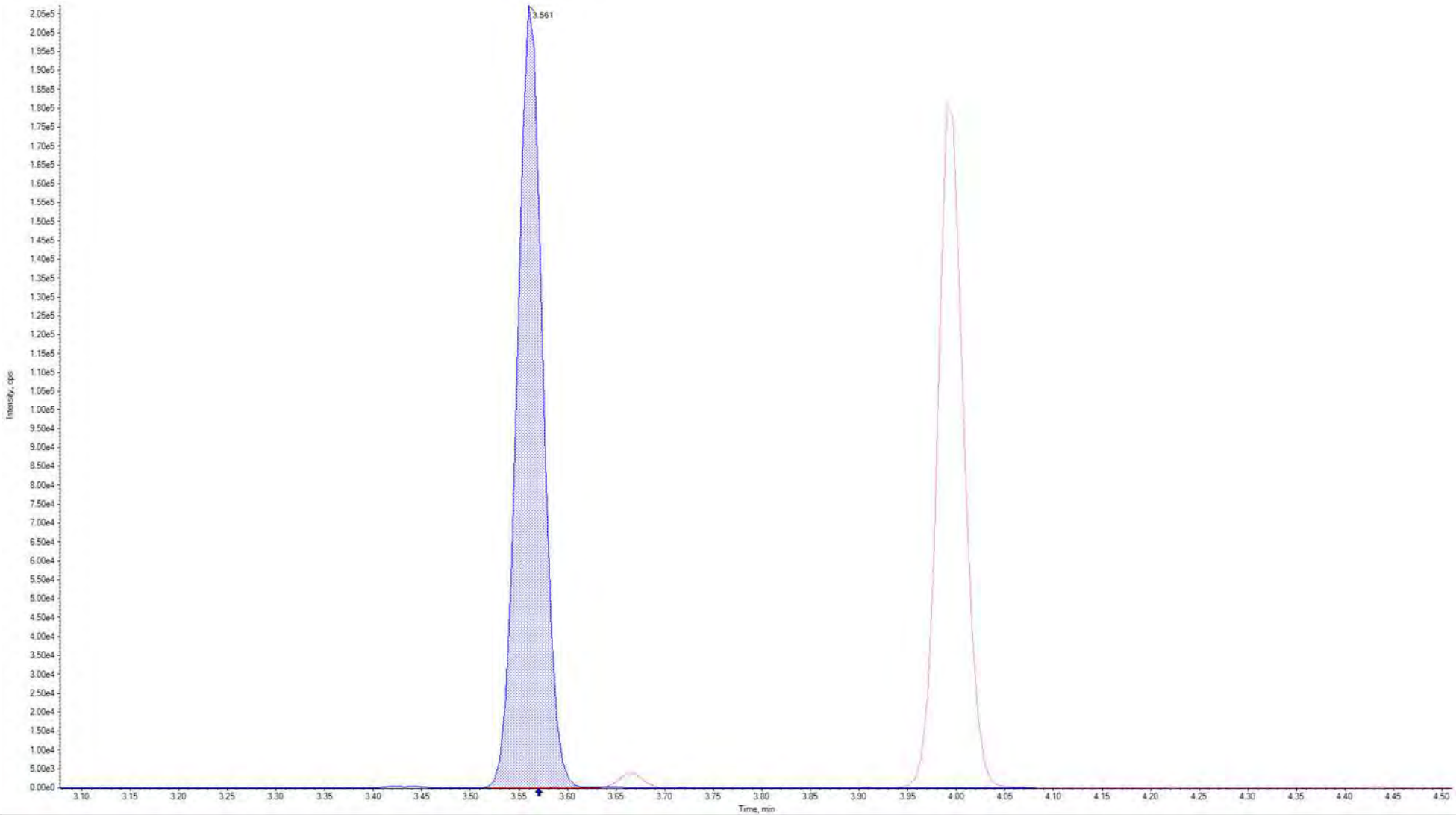
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFHpS
Sample: CA1633STD-10 S/N:14144.6 Points Across peak:27



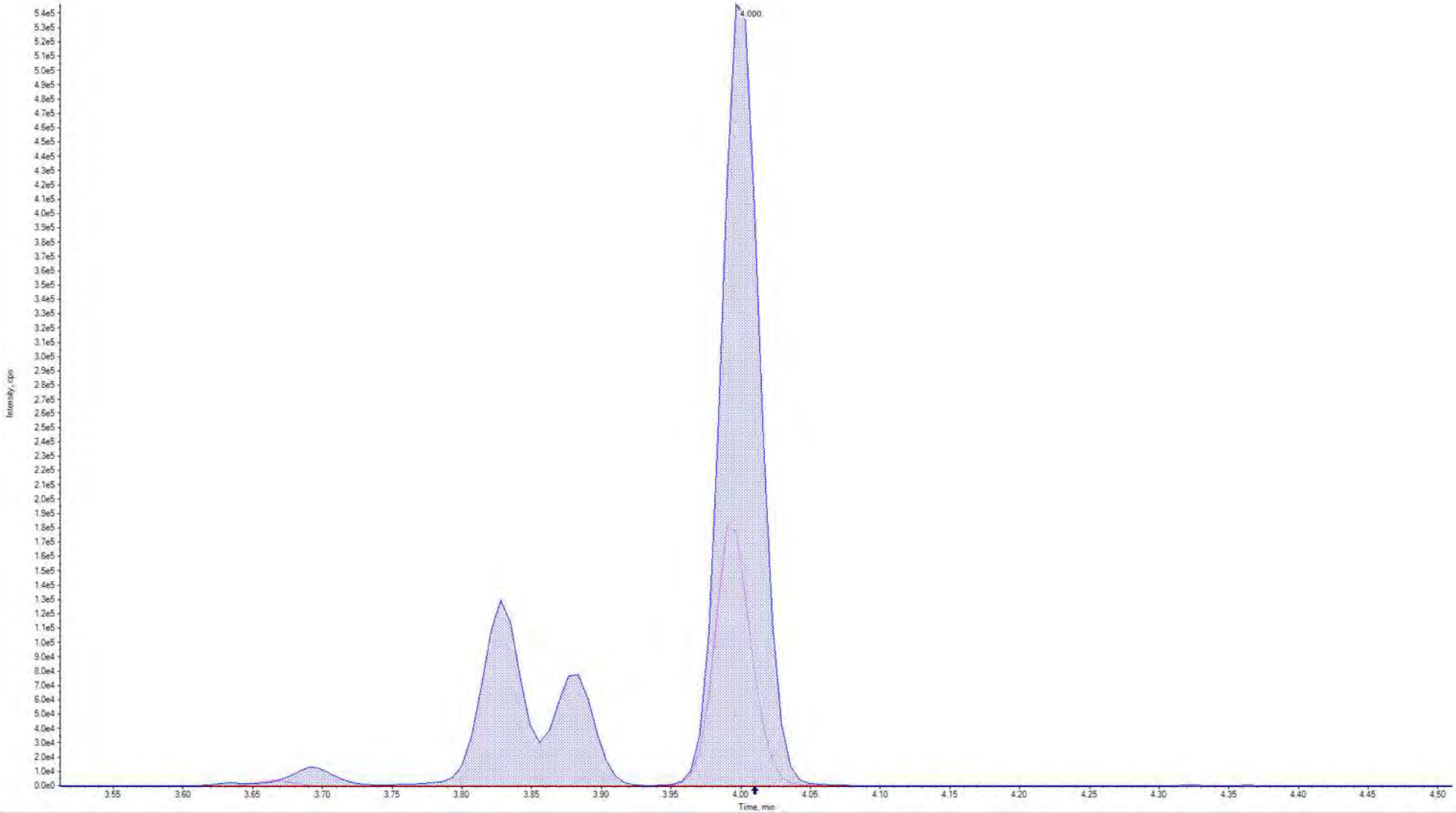
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFHpS_2
Sample: CA1633STD-10 S/N:4155.6 Points Across peak:26



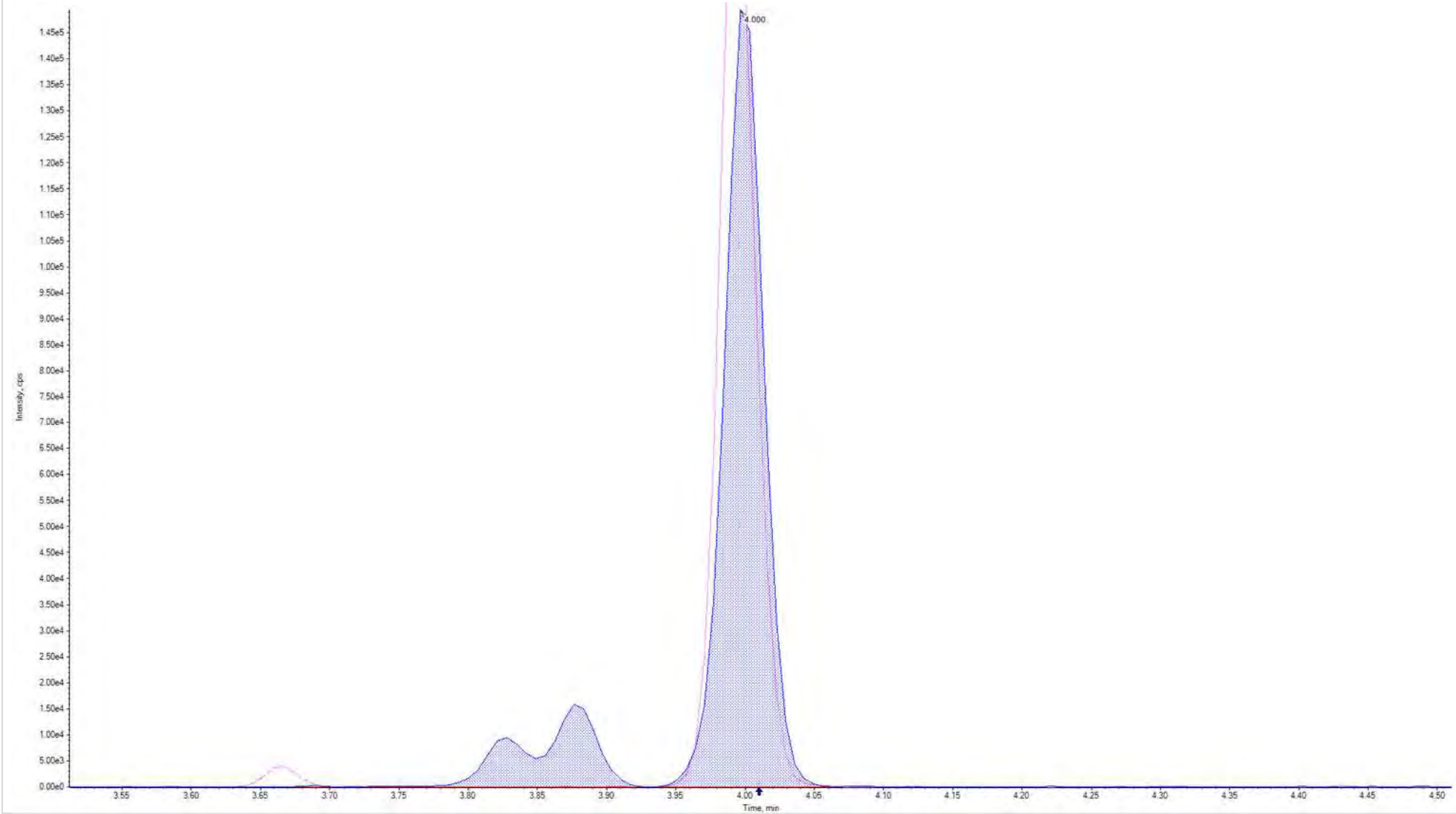
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFOS
Sample: CA1633STD-10 S/N:433.0 Points Across peak:78



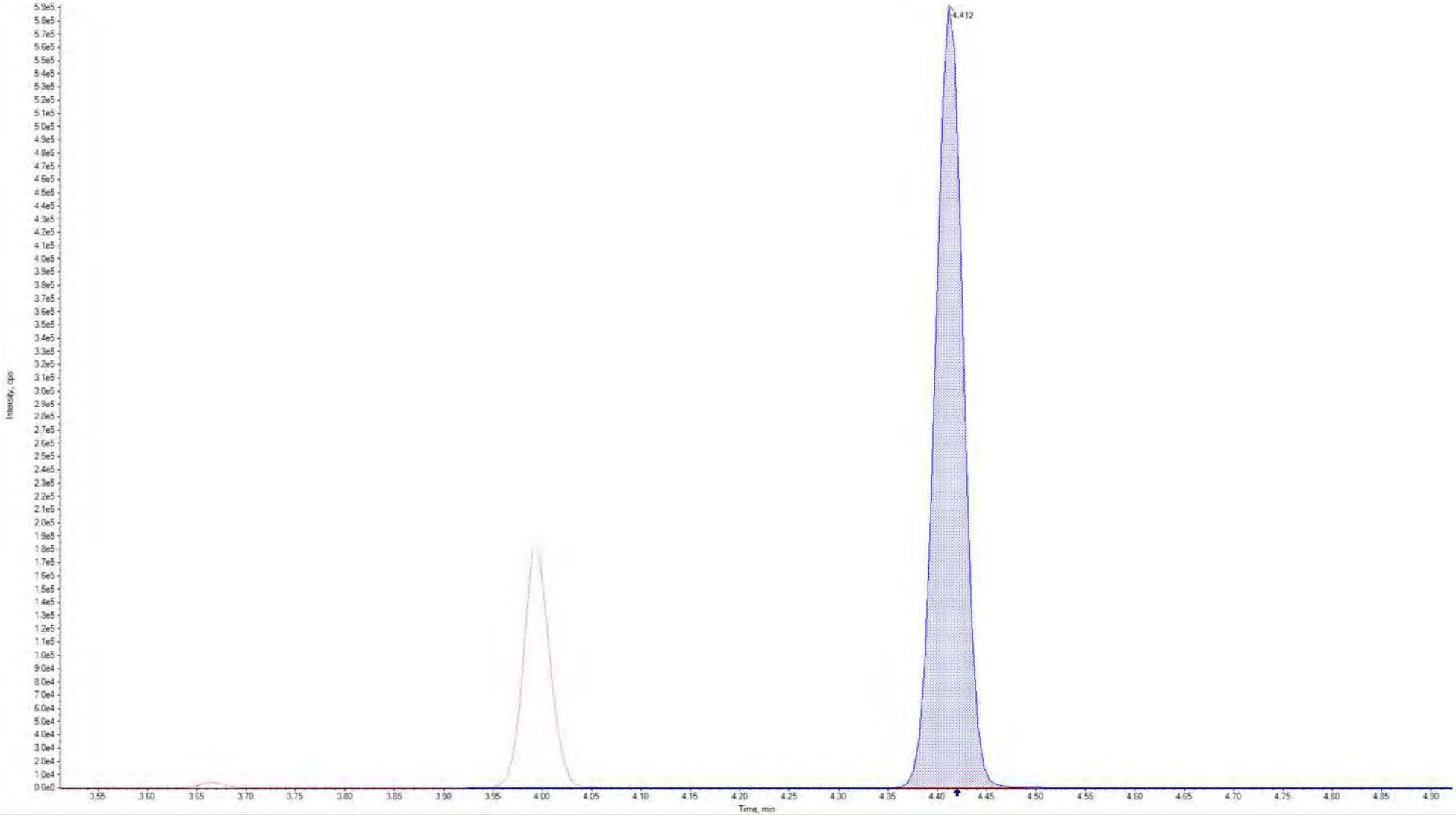
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFOS_2
Sample: CA1633STD-10 S/N:1045.5 Points Across peak:67



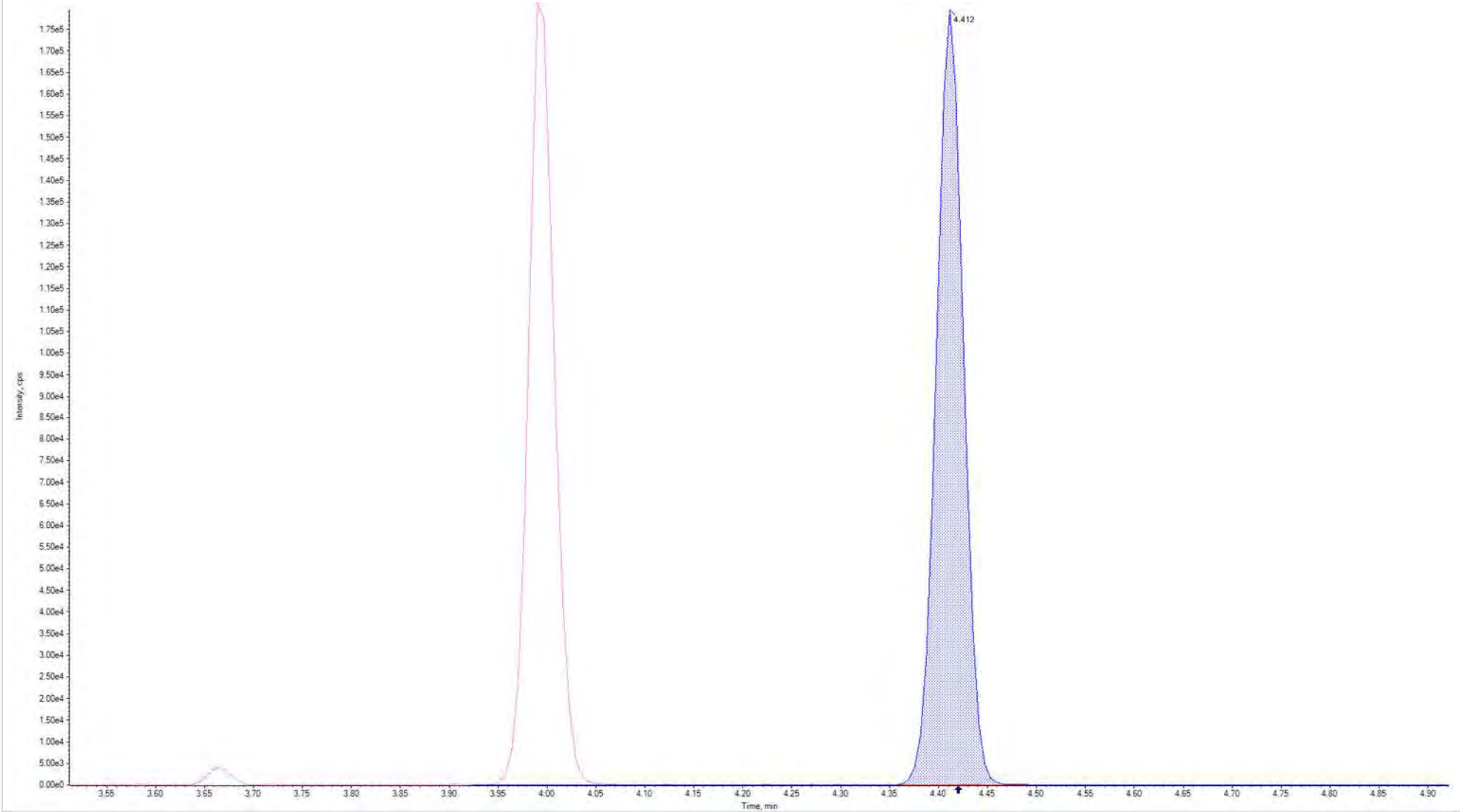
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFNS
Sample: CA1633STD-10 S/N:5513.9 Points Across peak:26



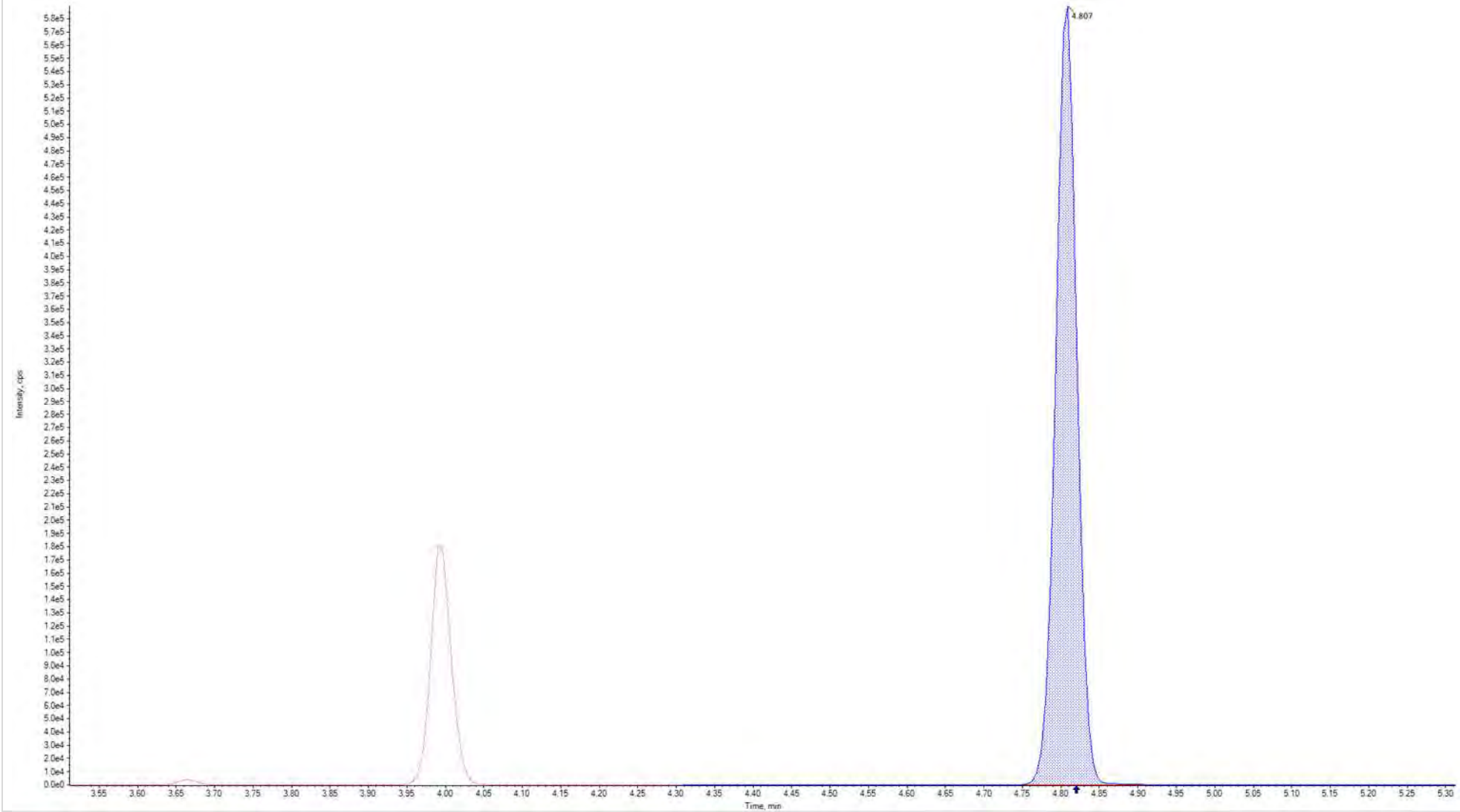
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFNS_2
Sample: CA1633STD-10 S/N:4499.5 Points Across peak:37



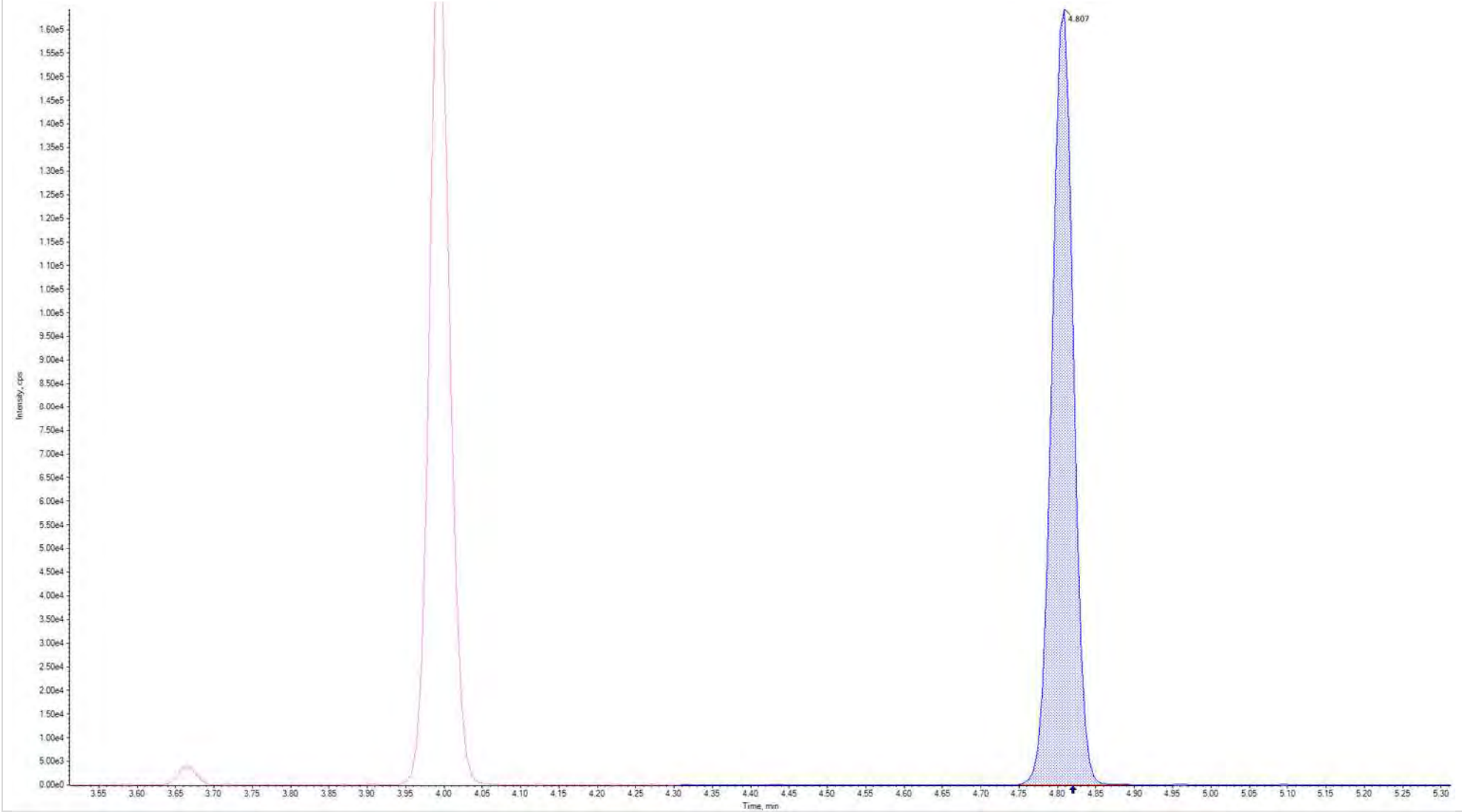
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFDS
Sample: CA1633STD-10 S/N:5317.3 Points Across peak:35



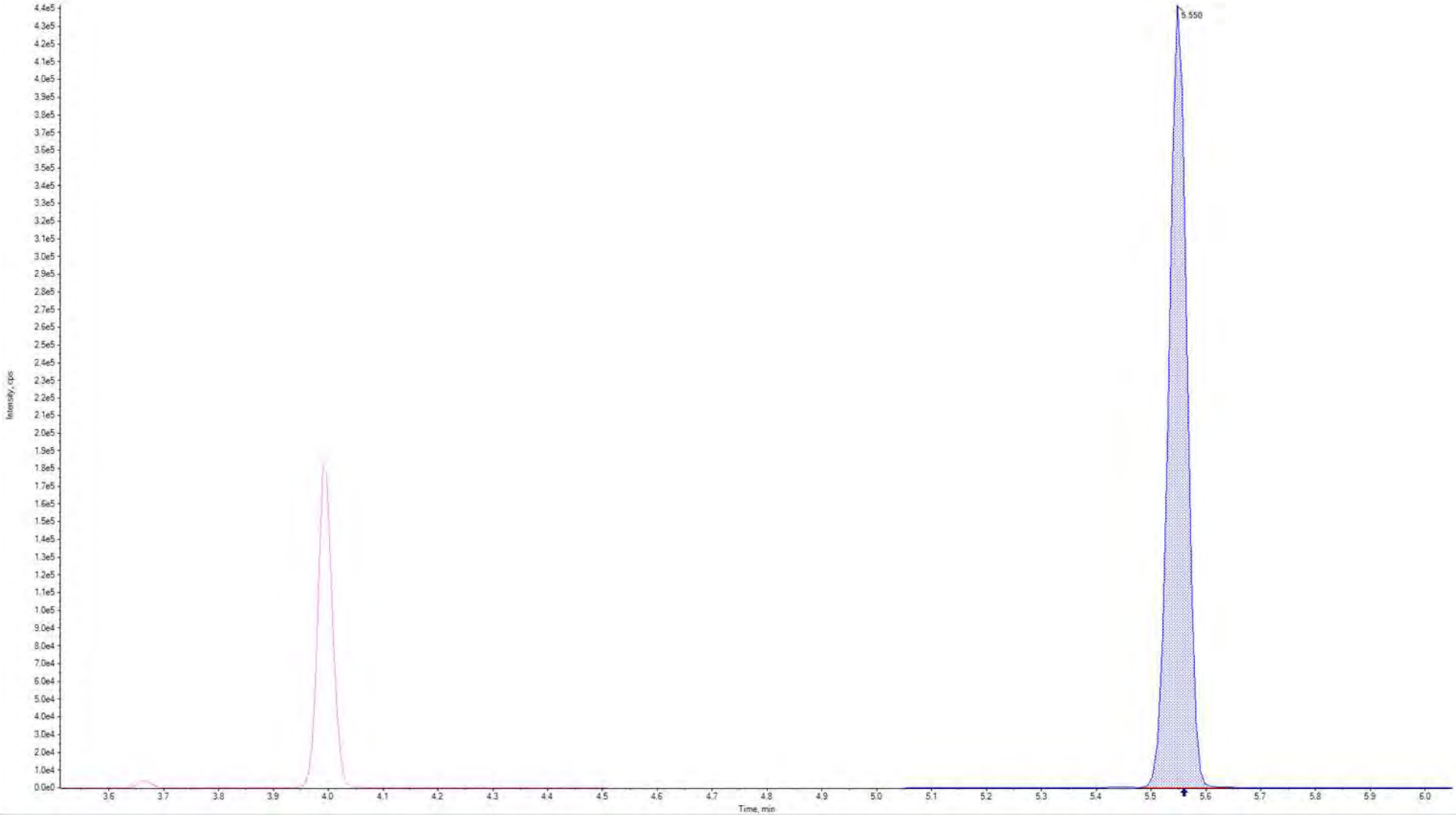
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFDS_2
Sample: CA1633STD-10 S/N:5766.6 Points Across peak:35



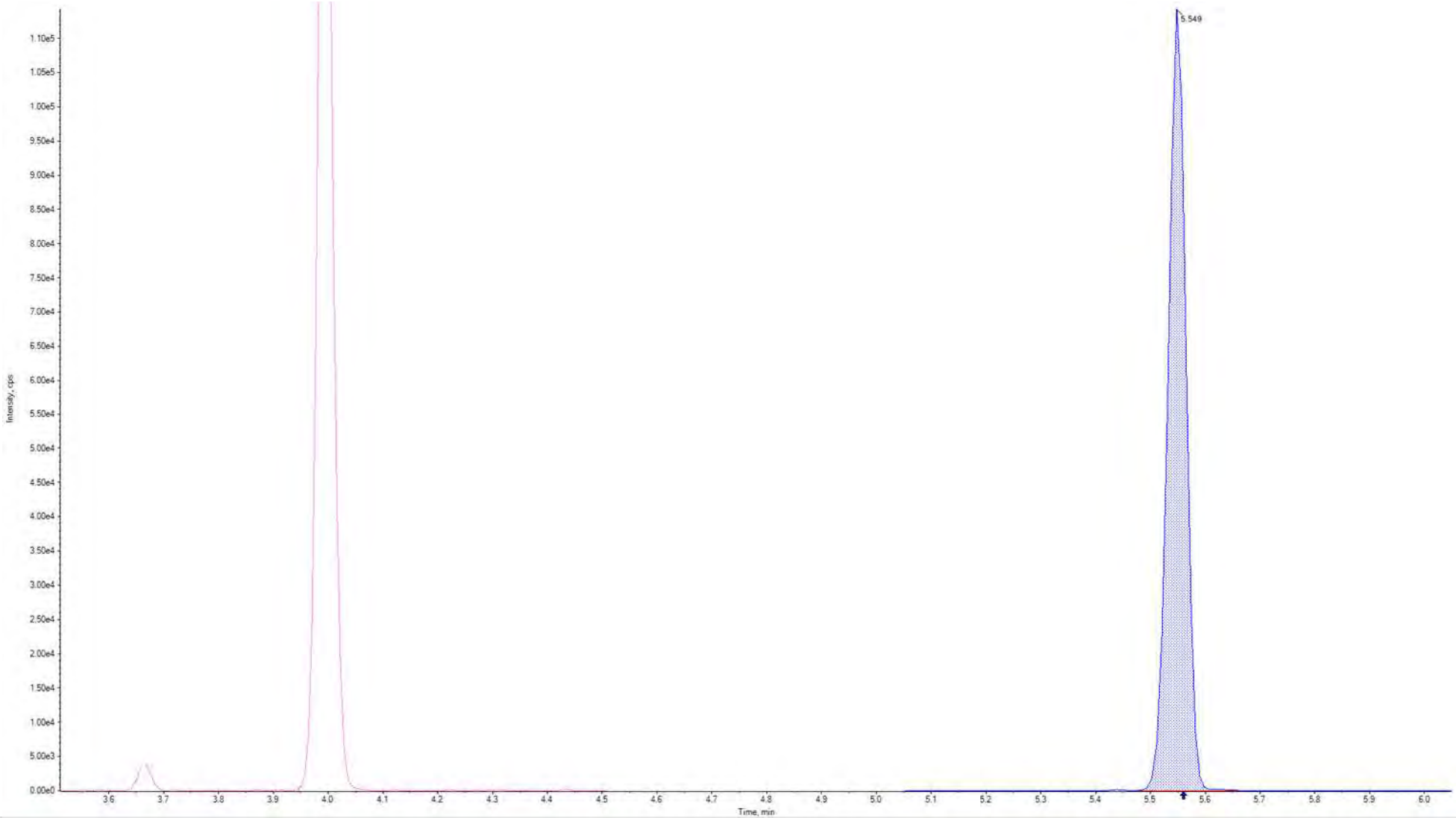
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFDoS
Sample: CA1633STD-10 S/N:3254.0 Points Across peak:27



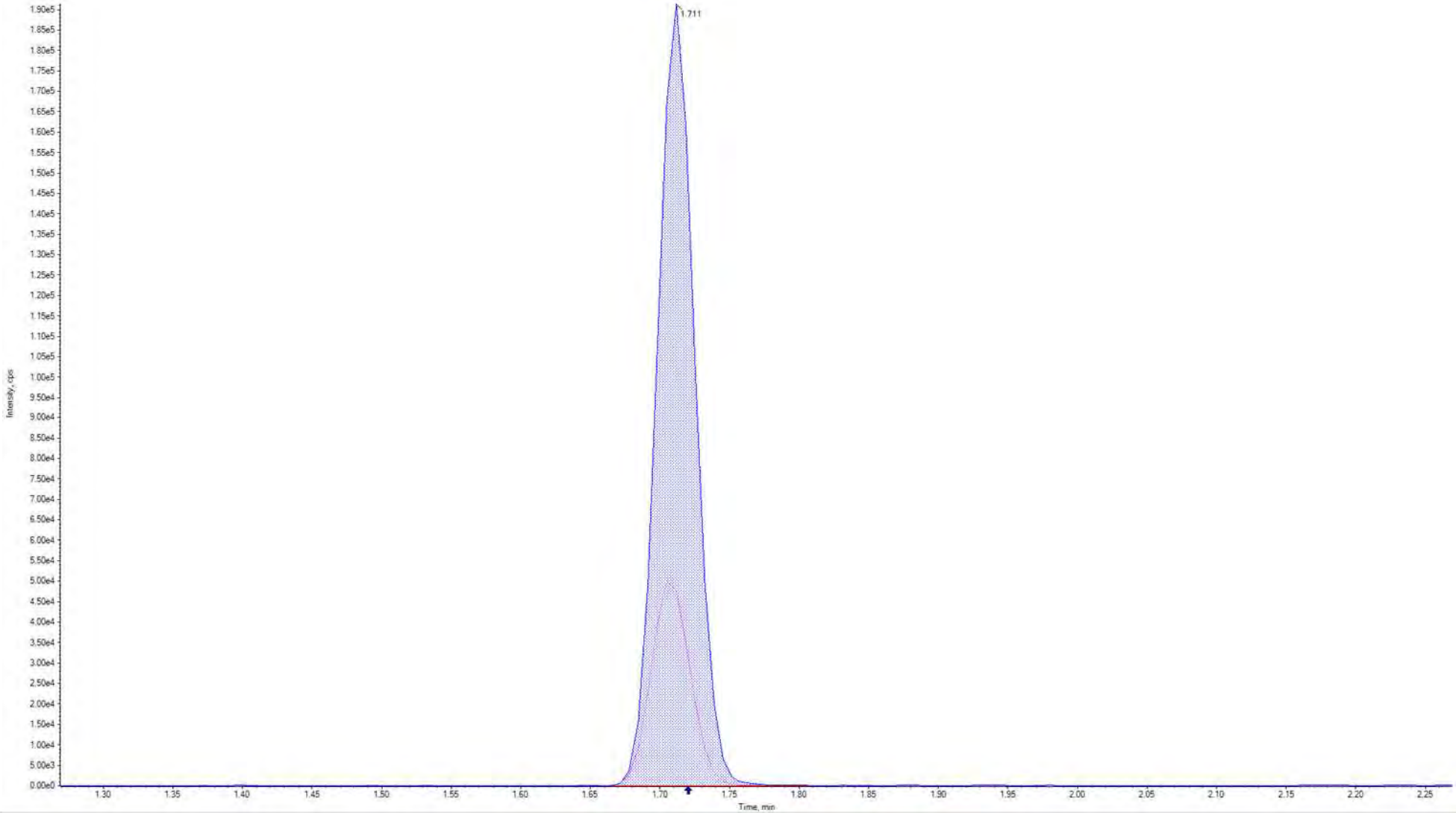
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFDoS_2
Sample: CA1633STD-10 S/N:4002.3 Points Across peak:25



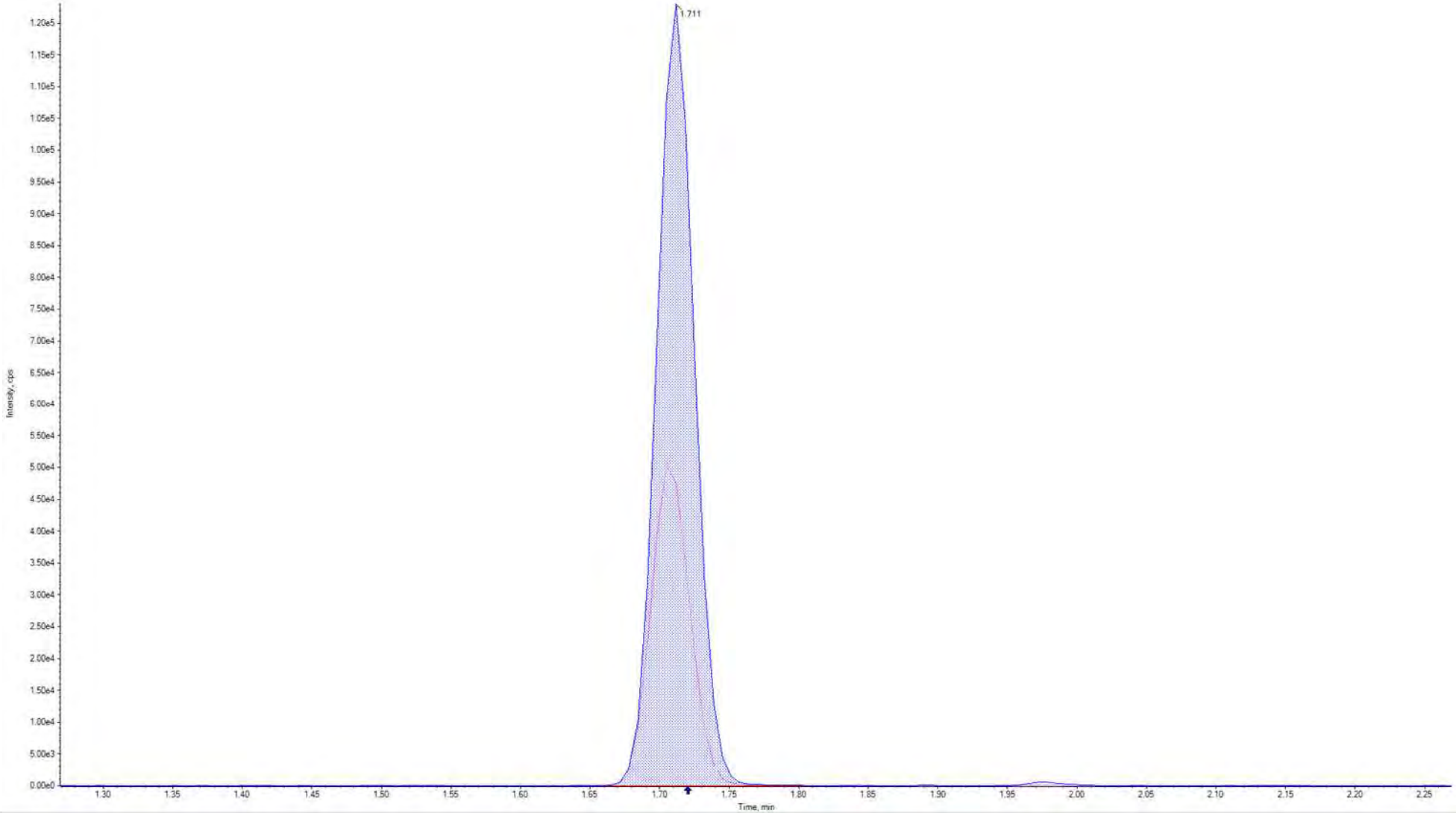
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

4:2FTS
Sample: CA1633STD-10 S/N:7195.6 Points Across peak:29



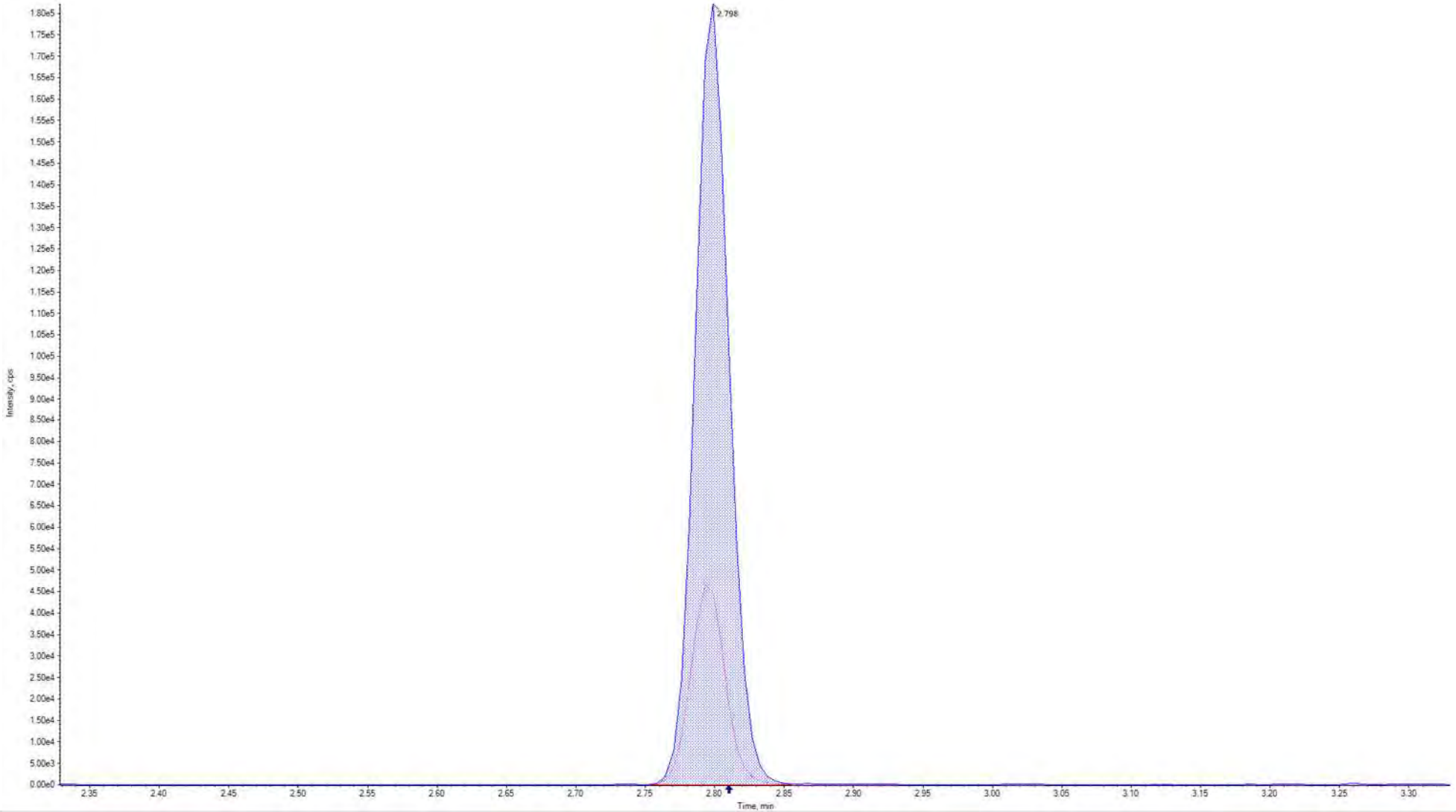
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

4:2FTS_2
Sample: CA1633STD-10 S/N:4097.6 Points Across peak:27



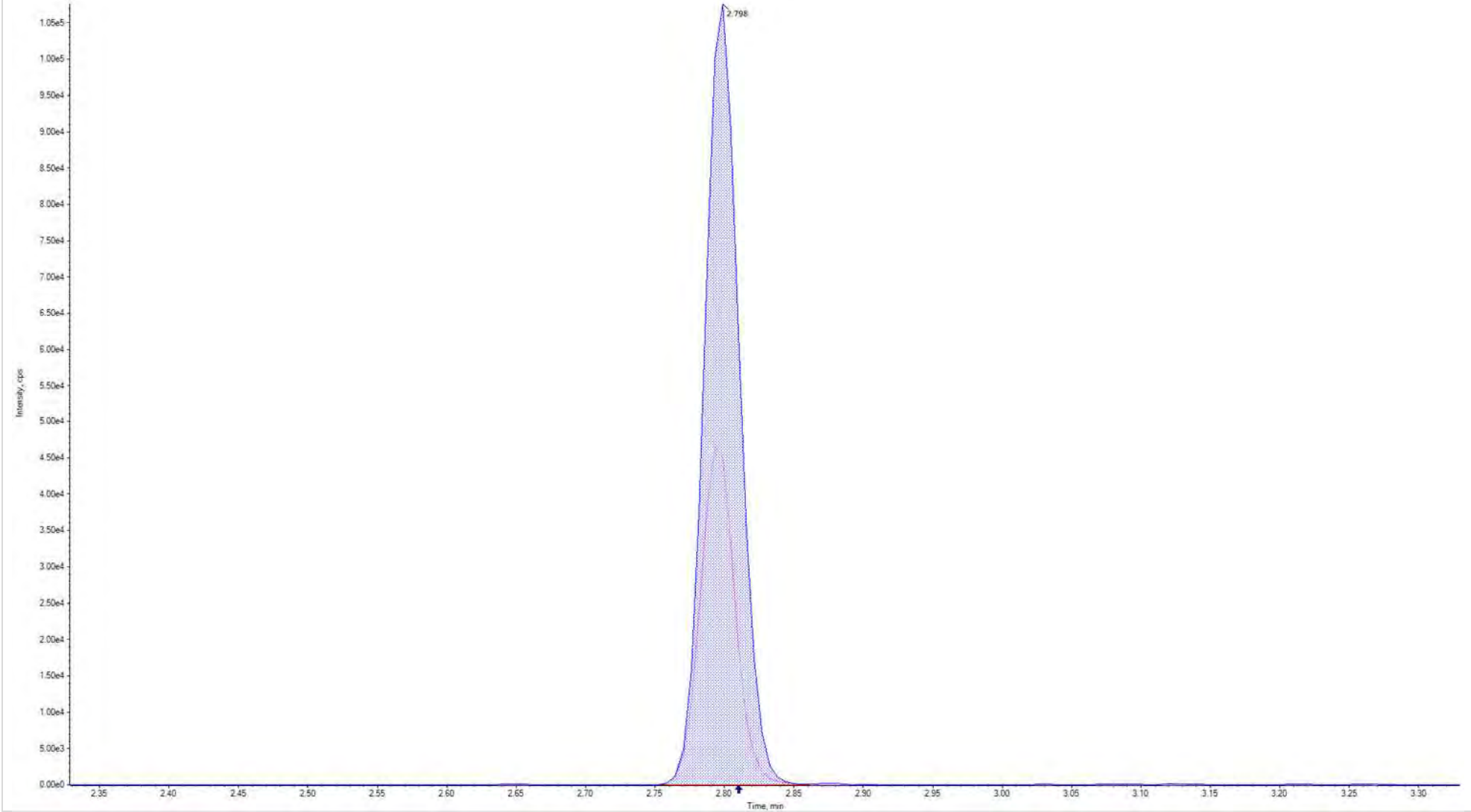
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

6:2FTS
Sample: CA1633STD-10 S/N:2808.2 Points Across peak:19



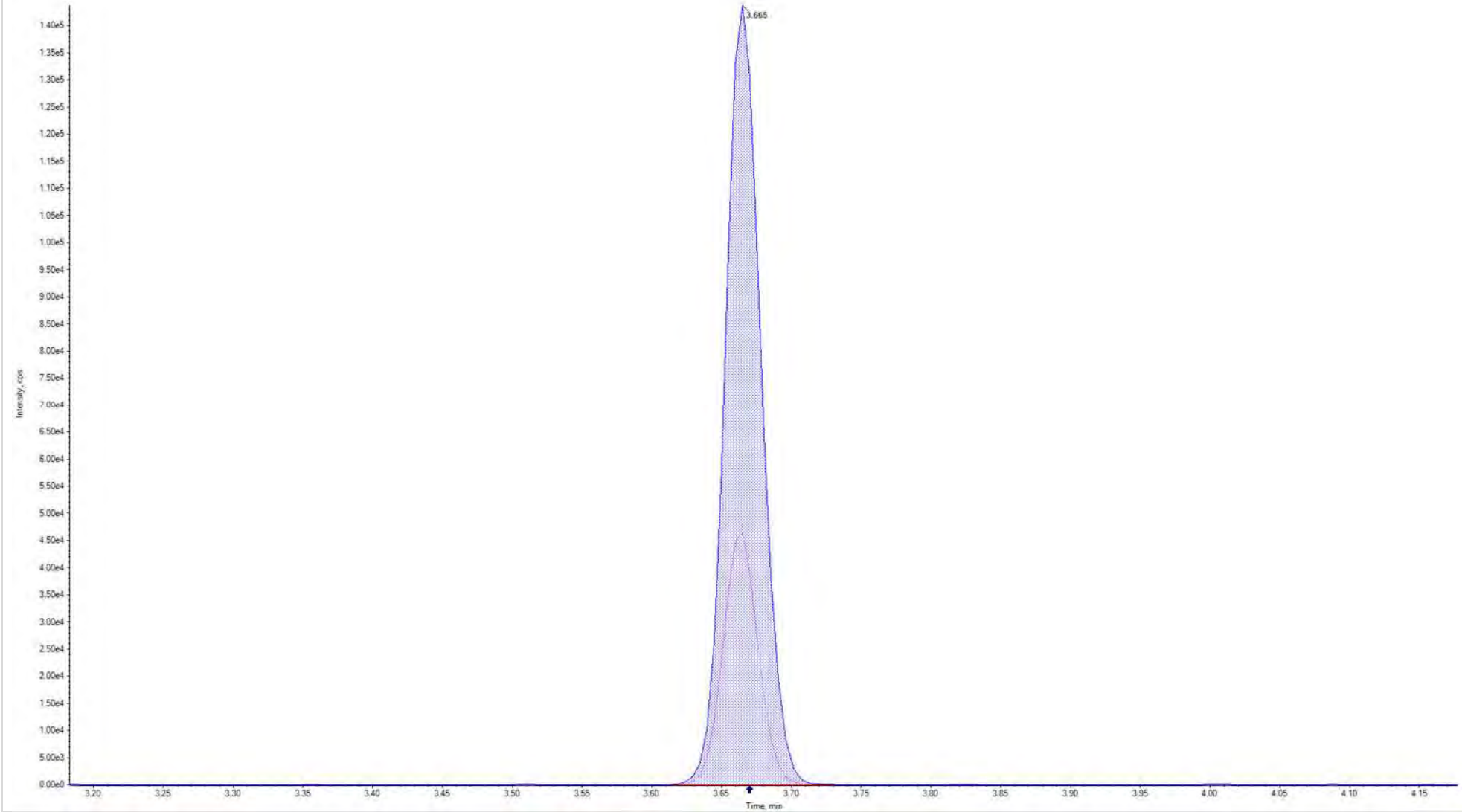
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

6:2FTS_2
Sample: CA1633STD-10 S/N:2158.0 Points Across peak:25



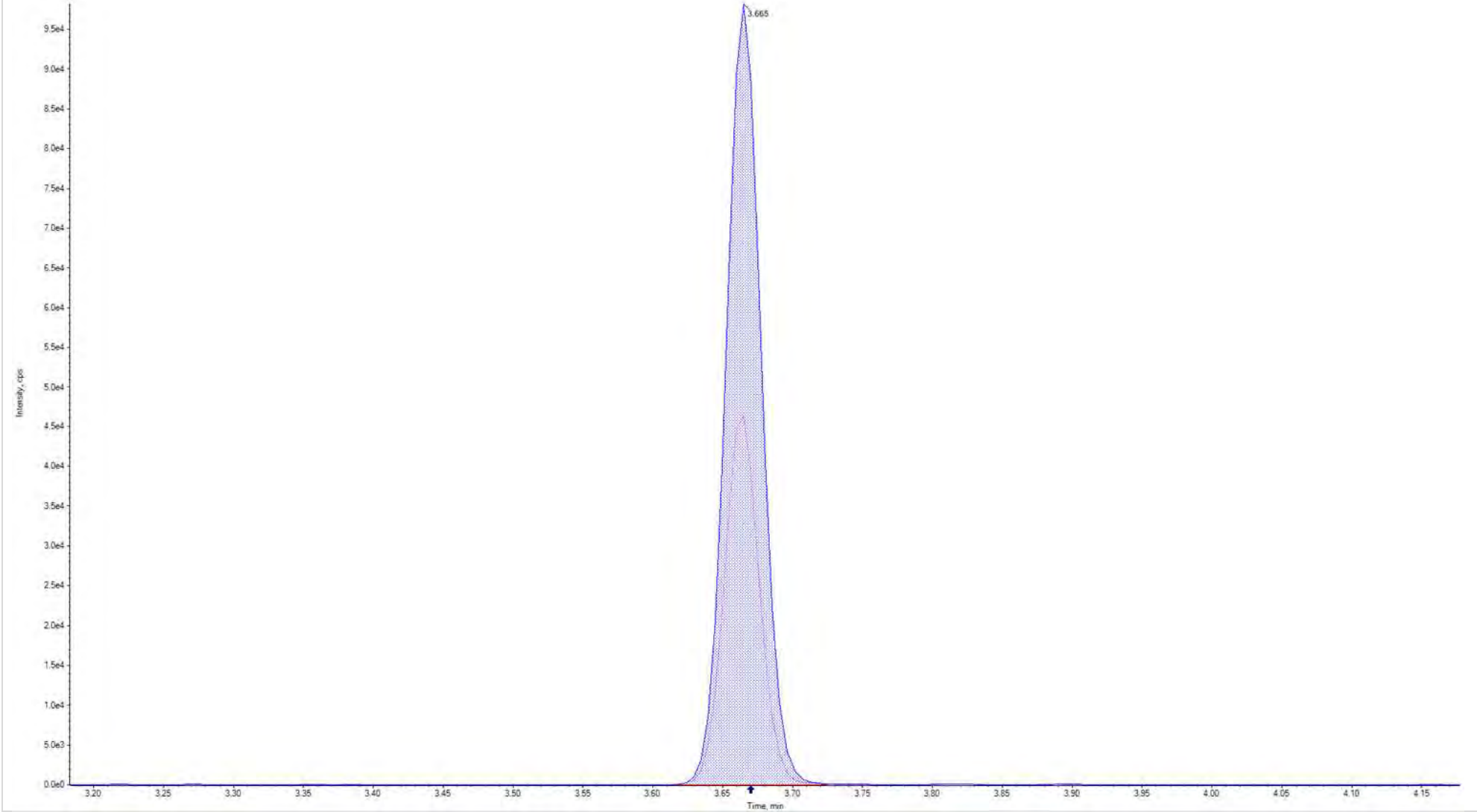
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

8:2FTS
Sample: CA1633STD-10 S/N:2882.2 Points Across peak:32



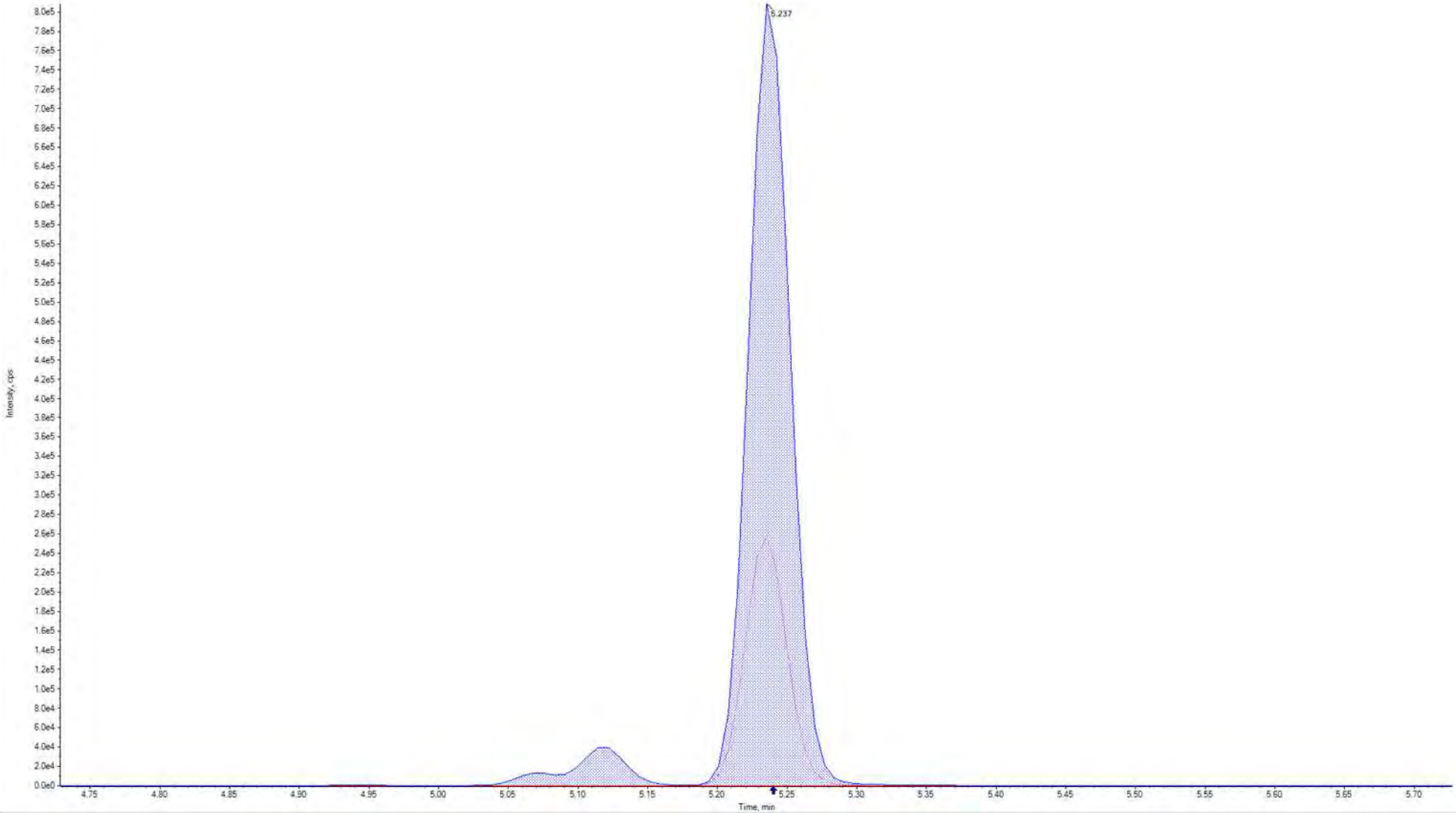
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

8:2FTS_2
Sample: CA1633STD-10 S/N:1969.1 Points Across peak:24



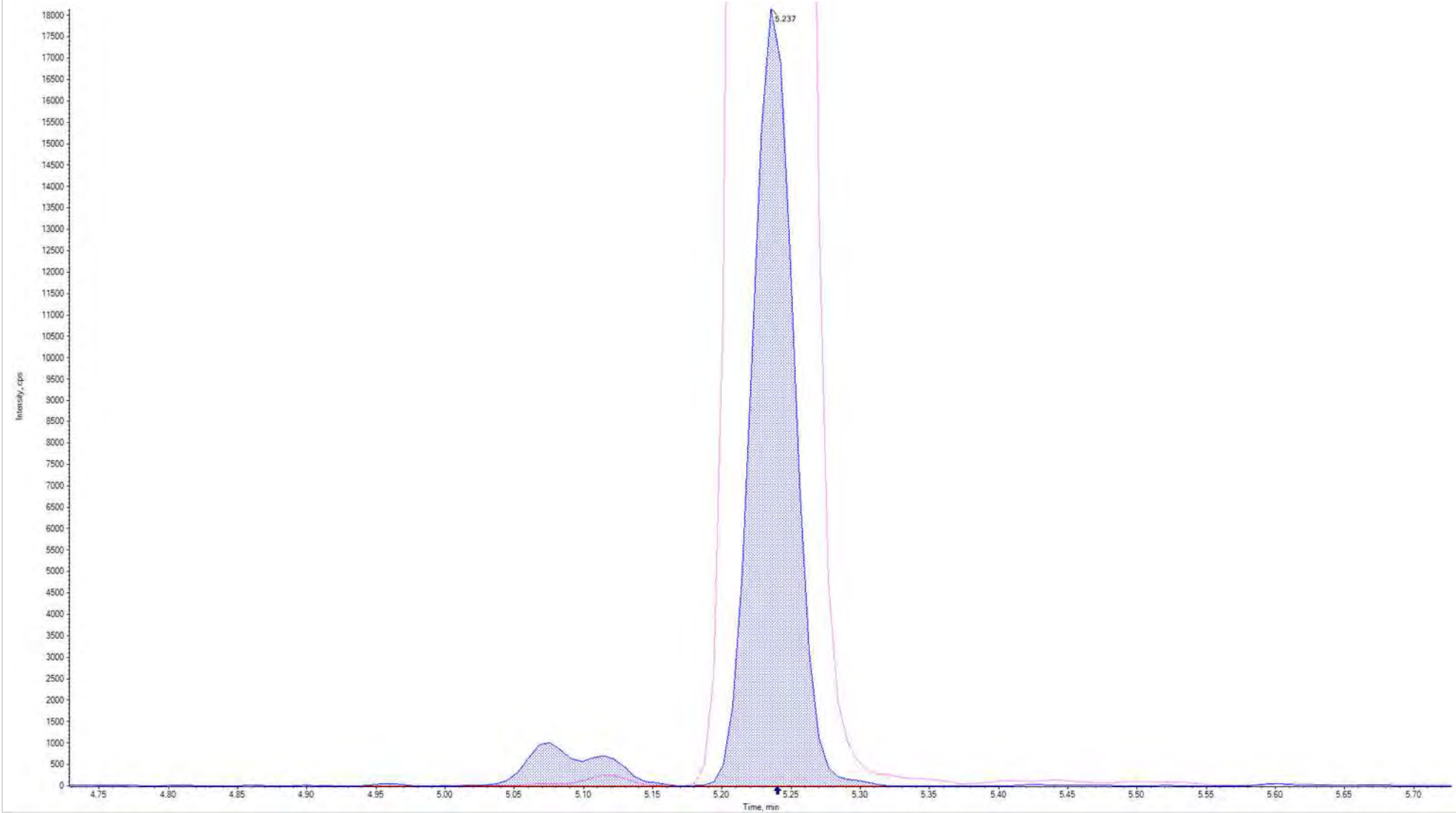
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFOSA
Sample: CA1633STD-10 S/N:1083.0 Points Across peak:76



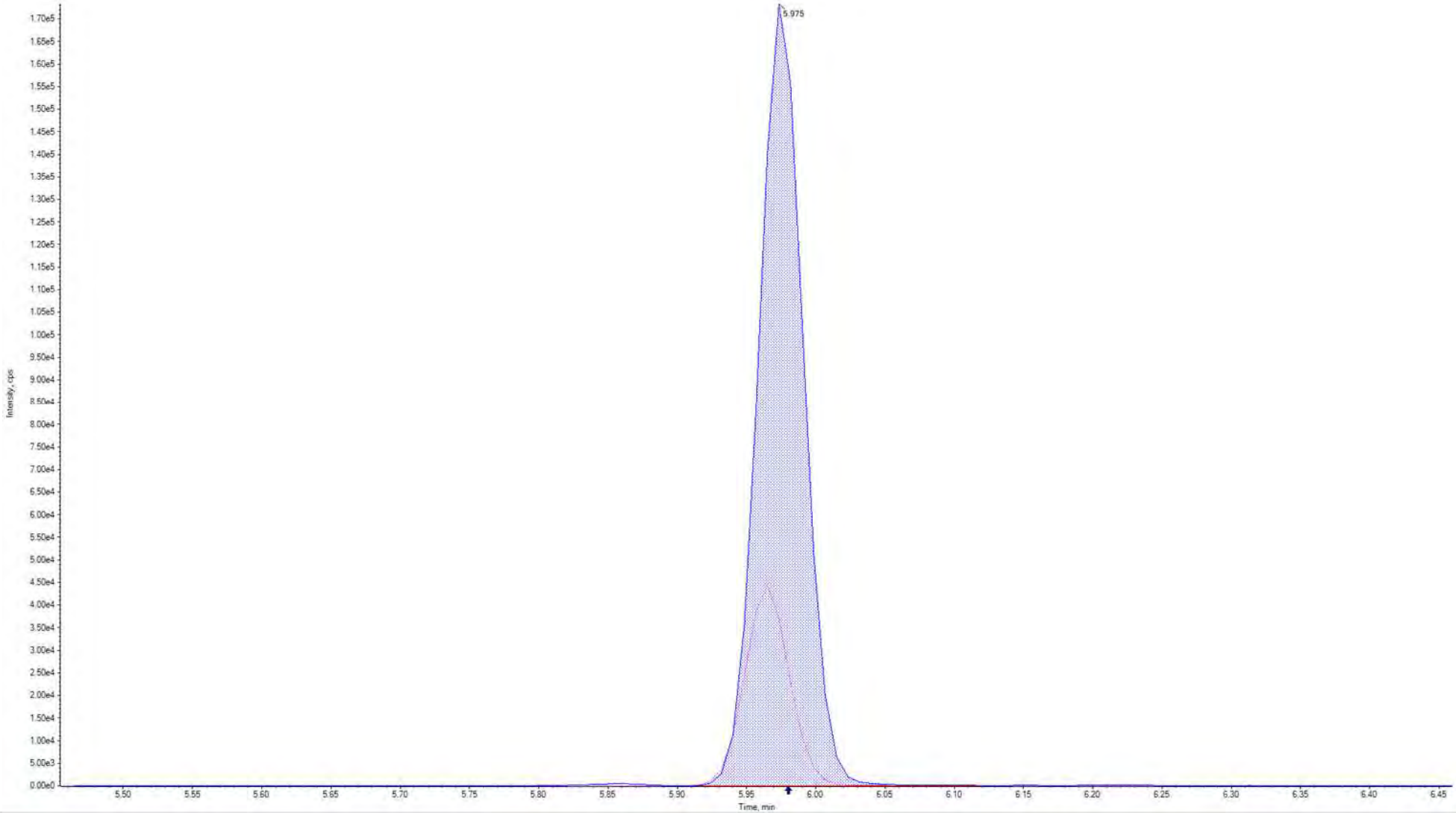
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFOSA_2
Sample: CA1633STD-10 S/N:634.0 Points Across peak:59



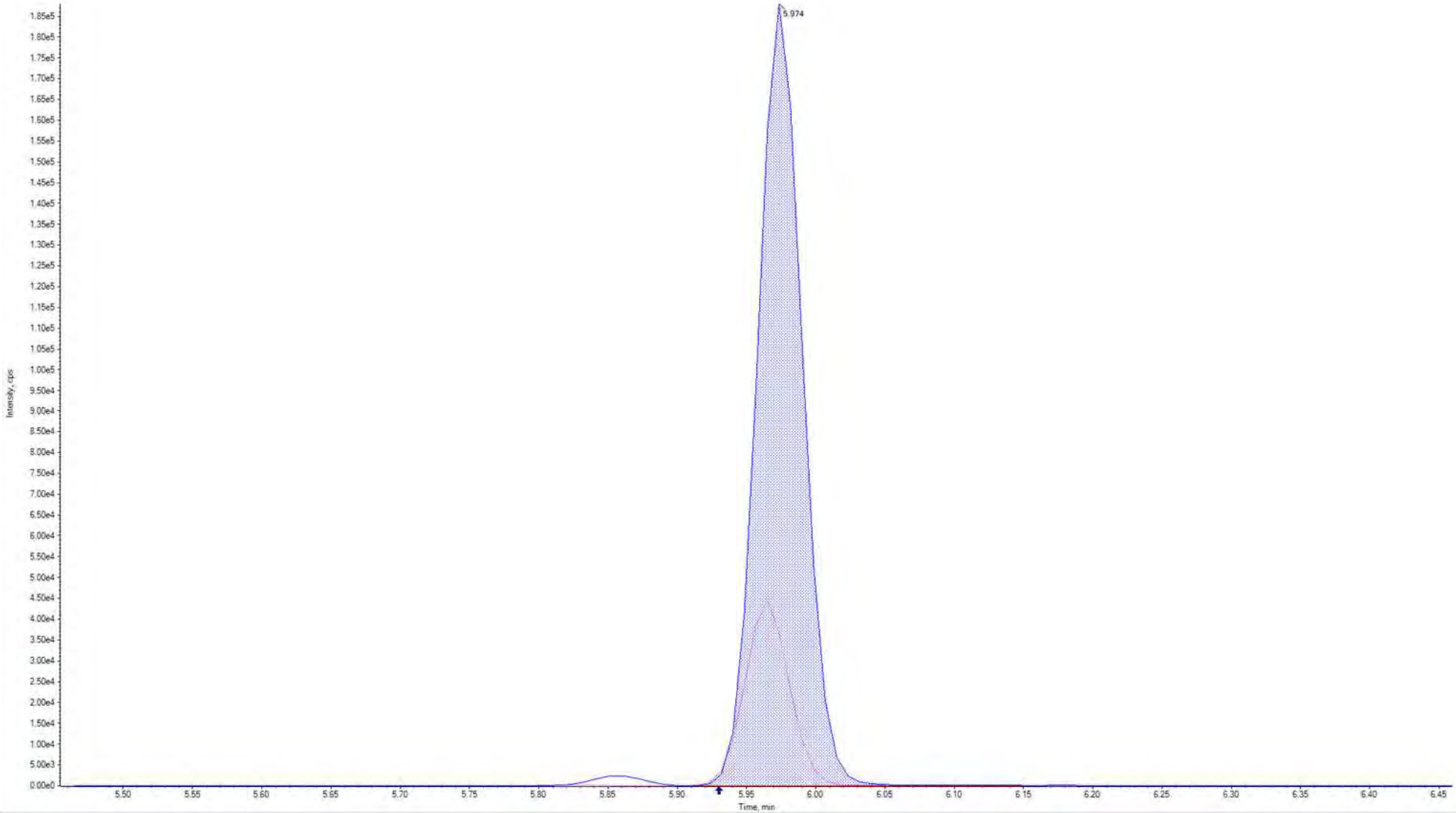
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

NMeFOSA
Sample: CA1633STD-10 S/N:1562.8 Points Across peak:29



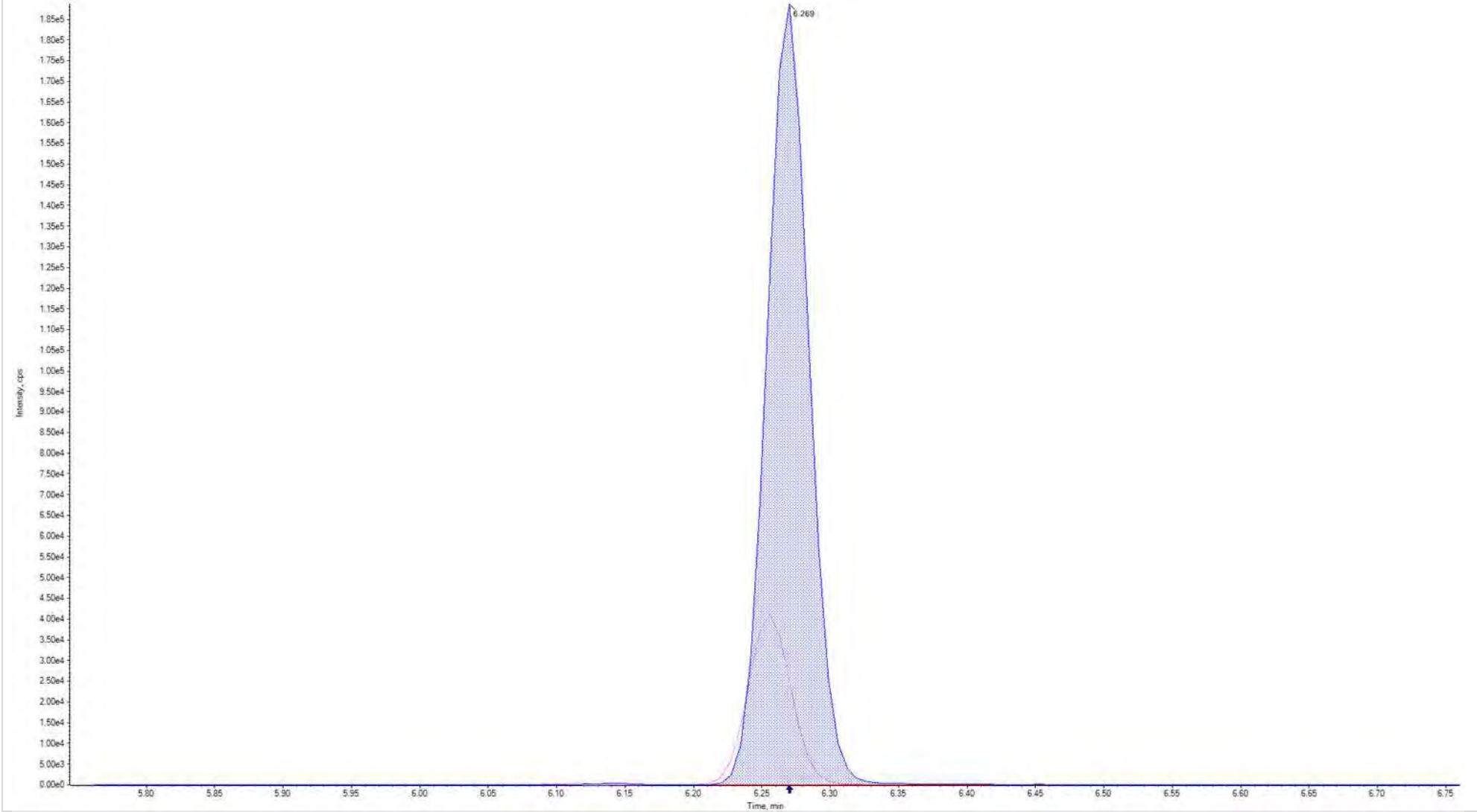
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

NMeFOSA_2
Sample: CA1633STD-10 S/N:1459.5 Points Across peak:33



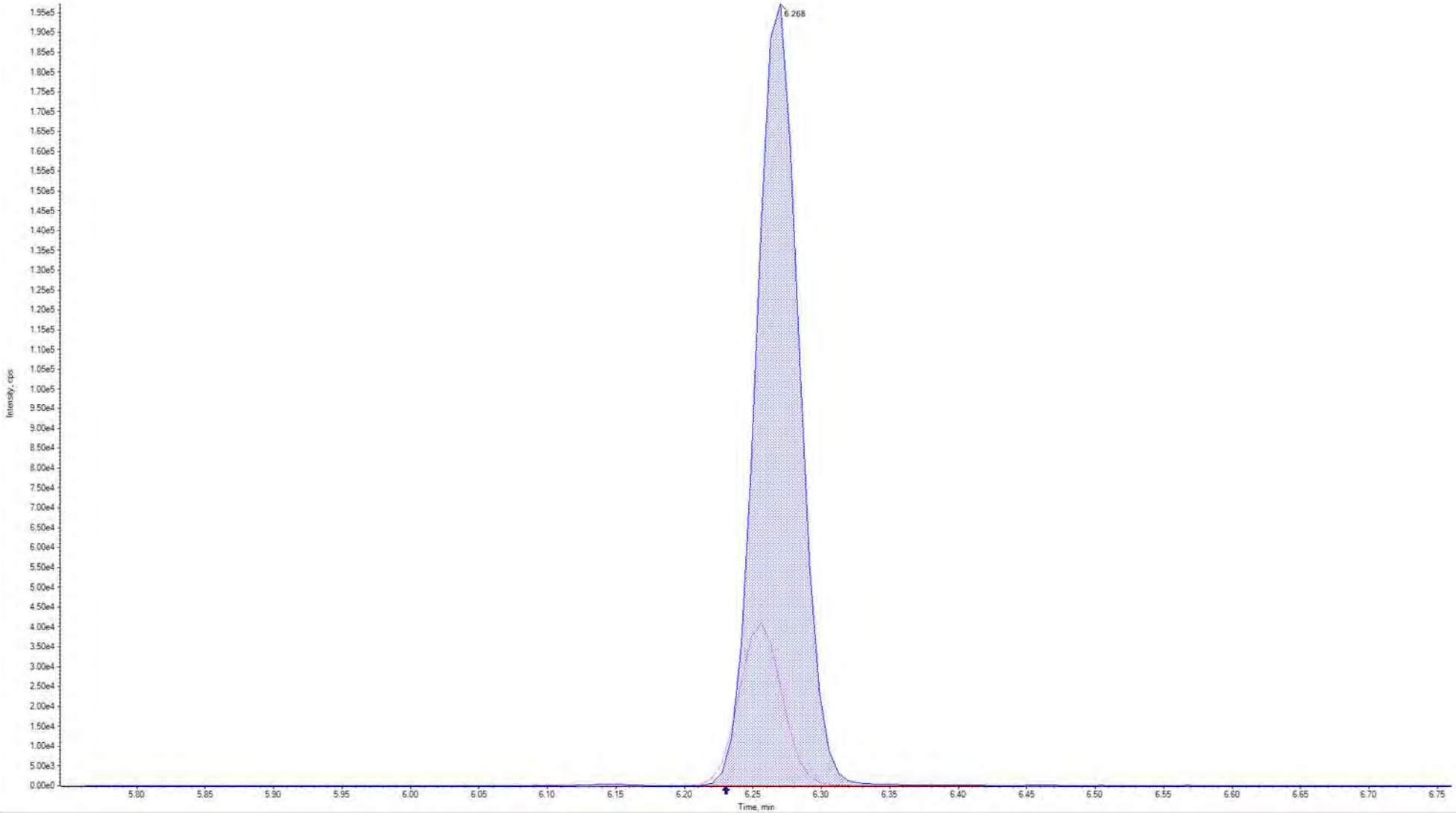
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

NEtFOSA
Sample: CA1633STD-10 S/N:3227.0 Points Across peak:47



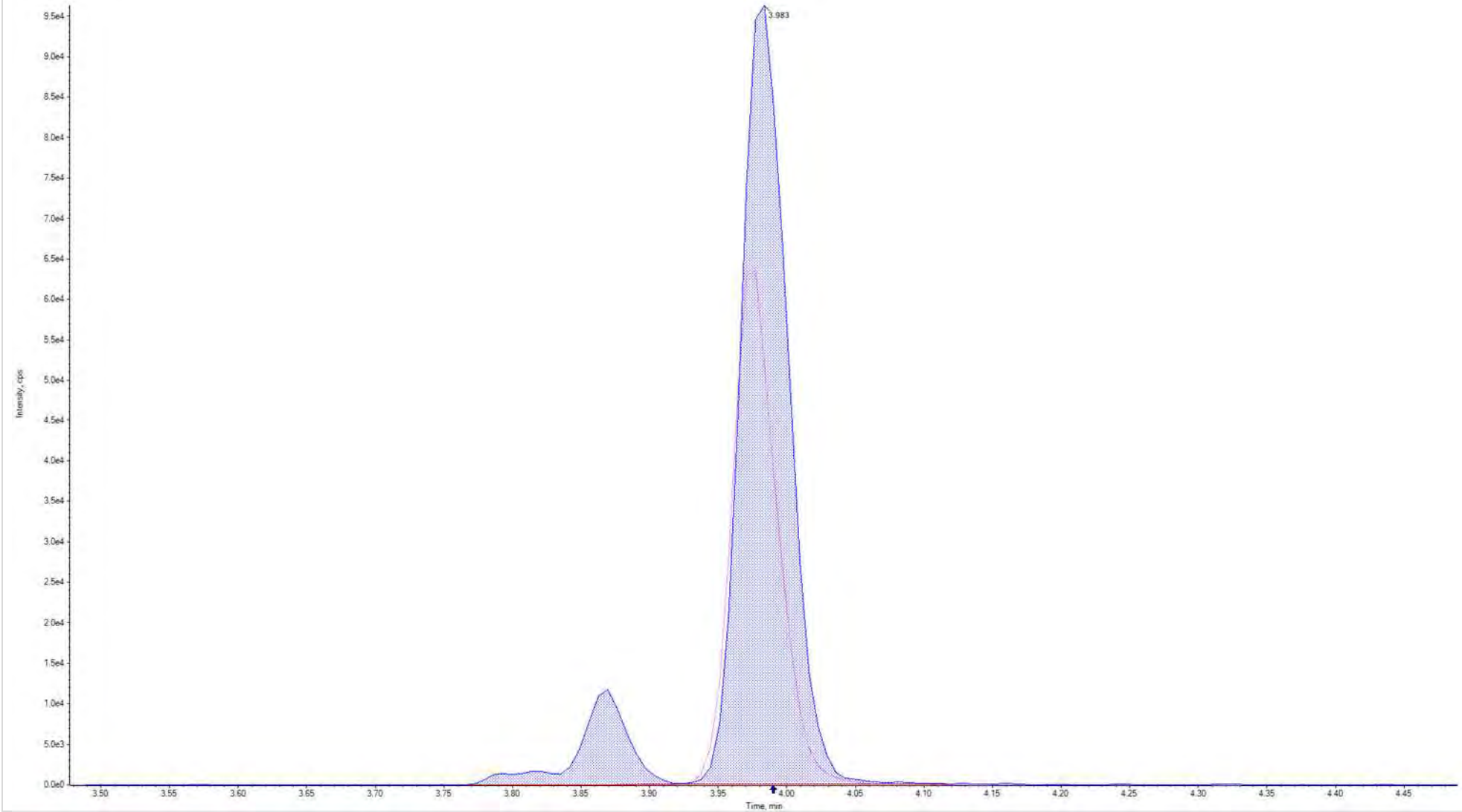
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

NEtFOSA_2
Sample: CA1633STD-10 S/N:3445.5 Points Across peak:38



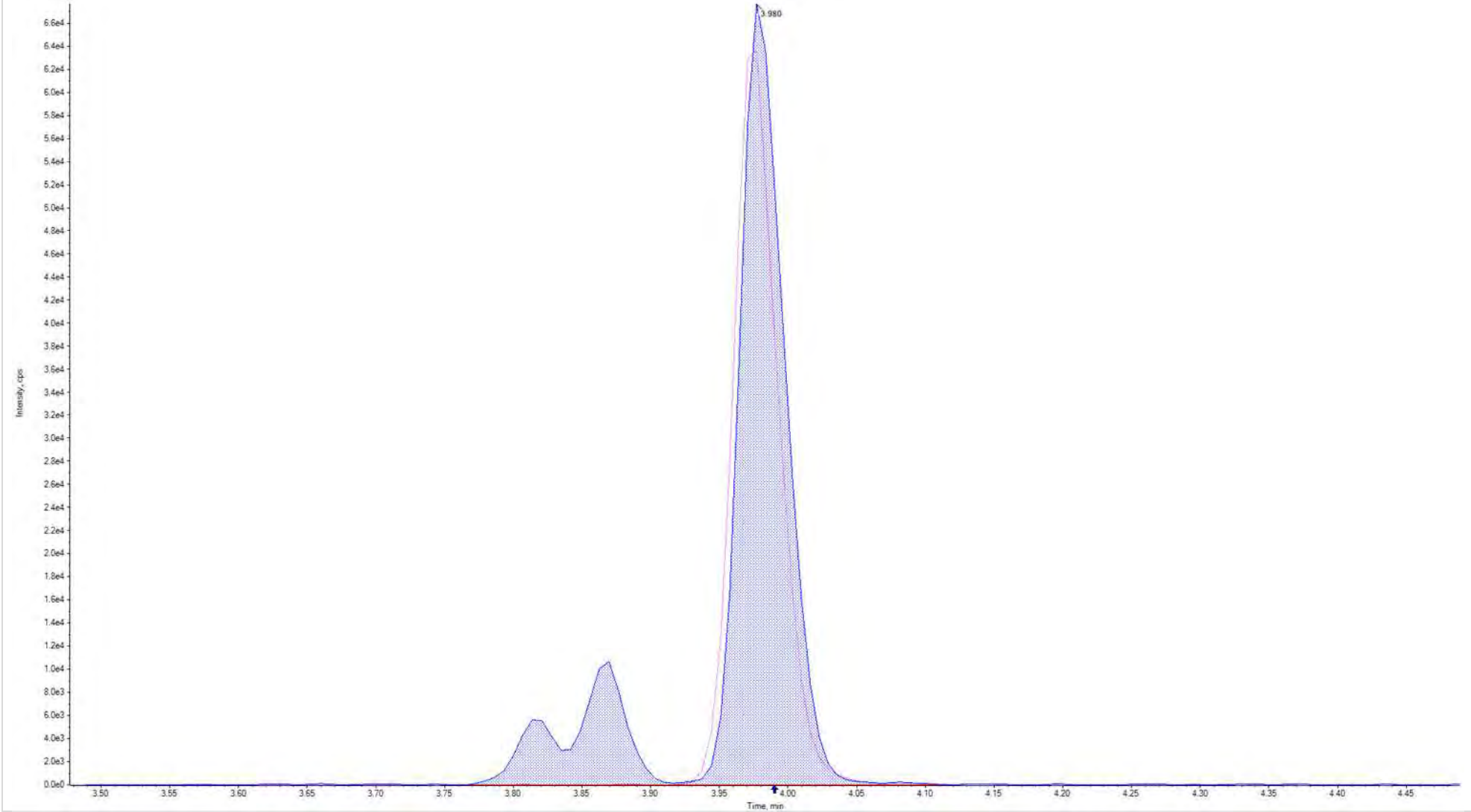
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

NMeFOSAA
Sample: CA1633STD-10 S/N:686.9 Points Across peak:55



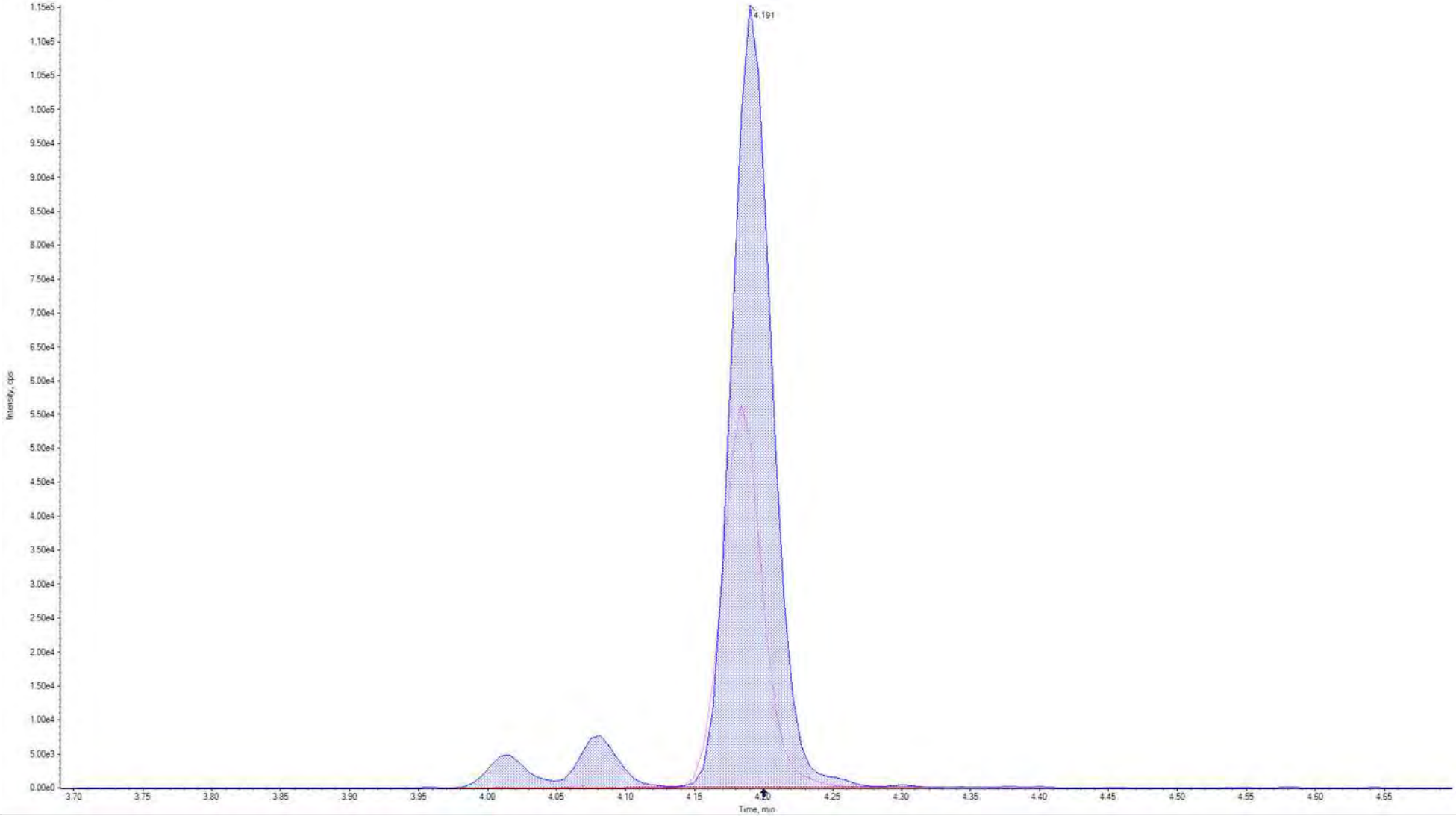
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

NMeFOSAA_2
Sample: CA1633STD-10 S/N:646.1 Points Across peak:55



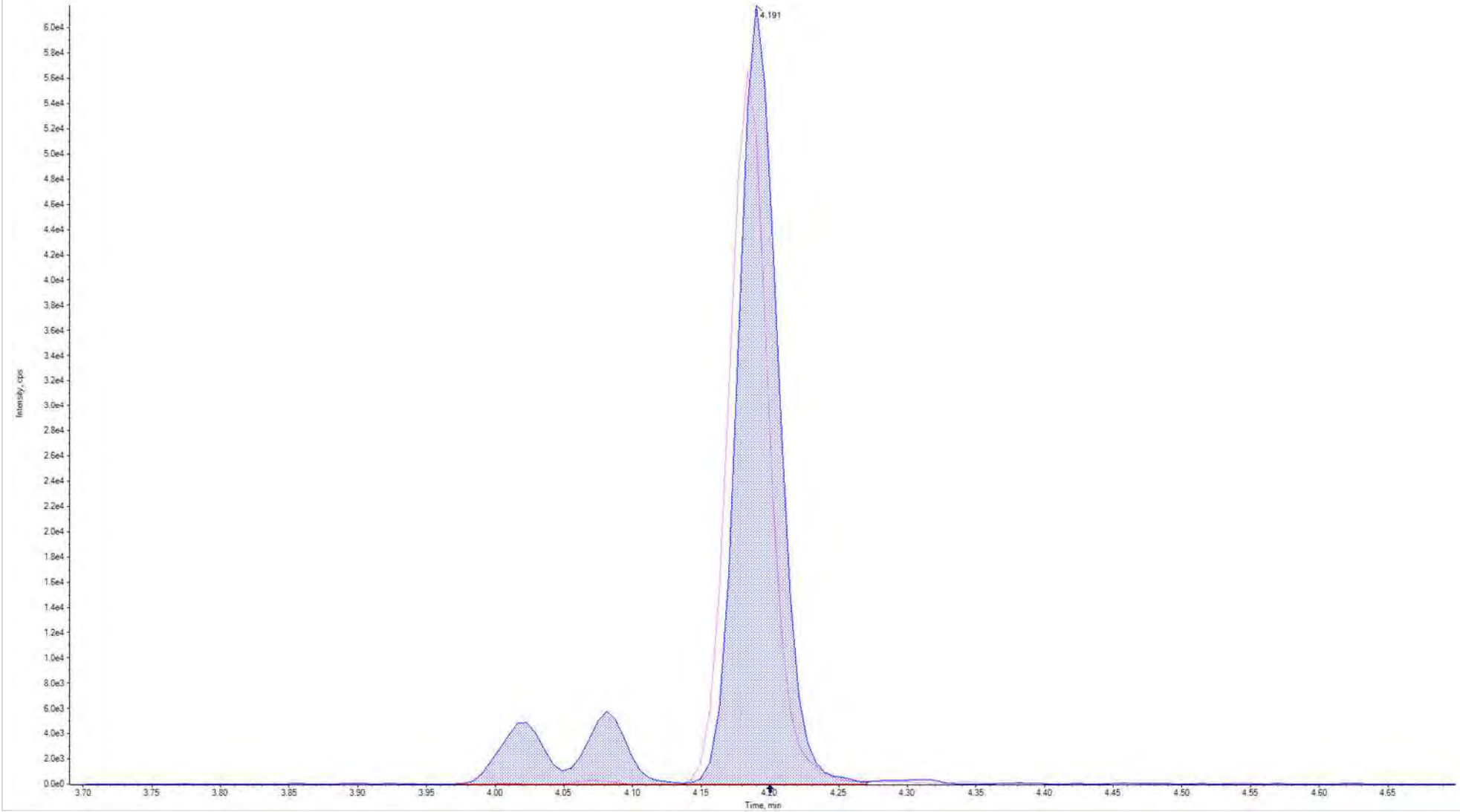
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

NEtFOSAA
Sample: CA1633STD-10 S/N:786.7 Points Across peak:56



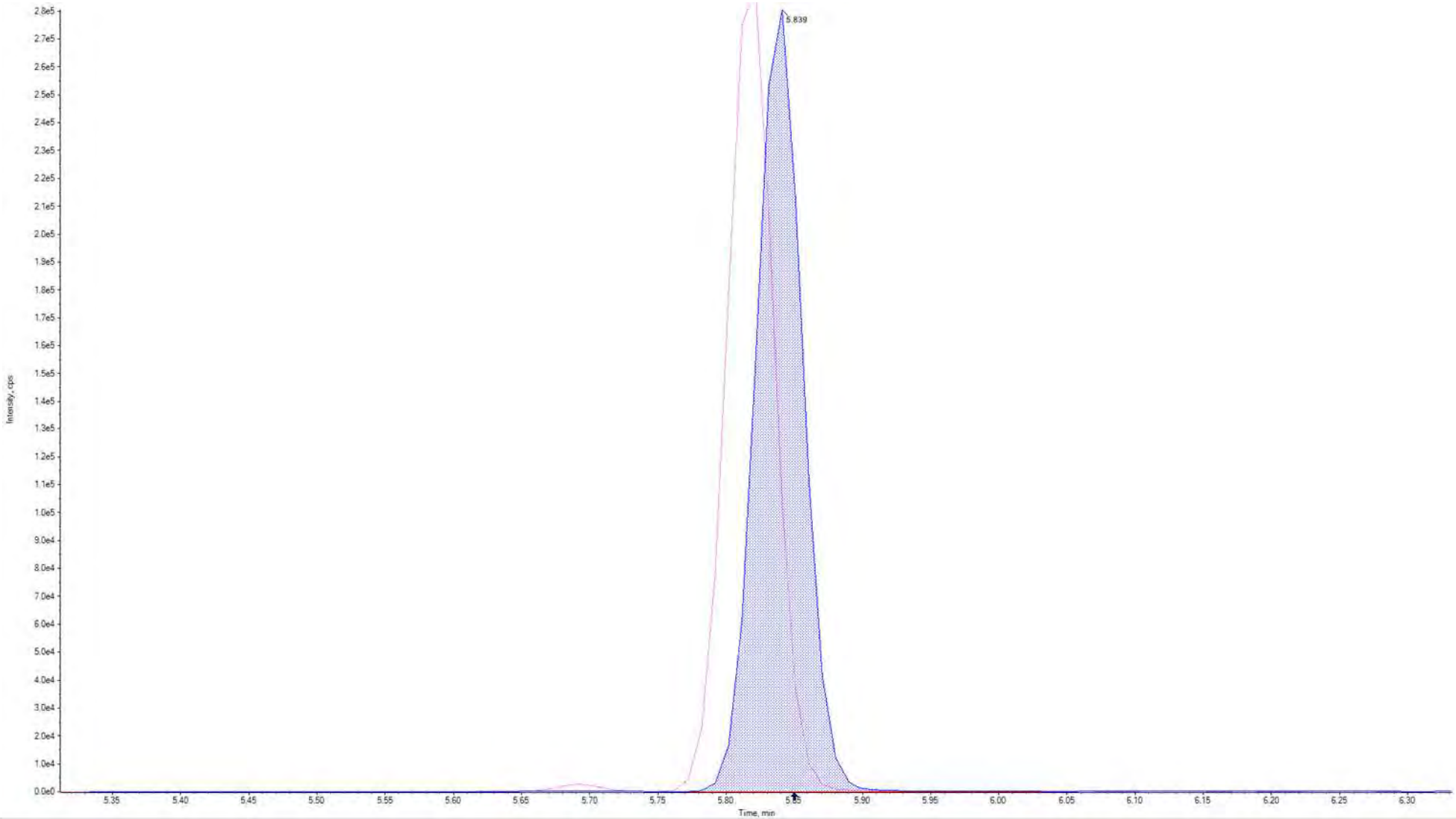
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

NEtFOSAA_2
Sample: CA1633STD-10 S/N:542.5 Points Across peak:52



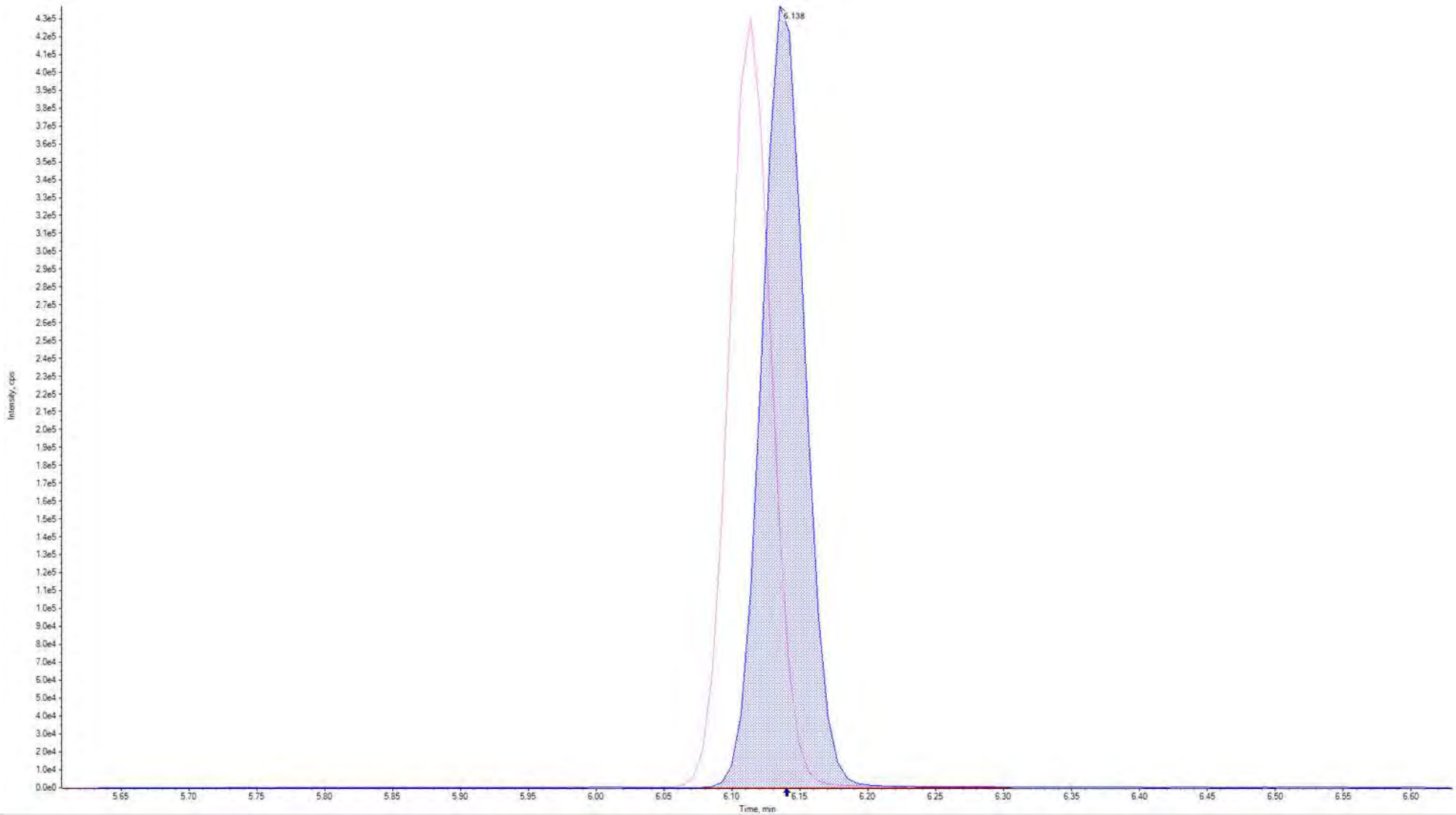
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

NMeFOSE
Sample: CA1633STD-10 S/N:1339.8 Points Across peak:33



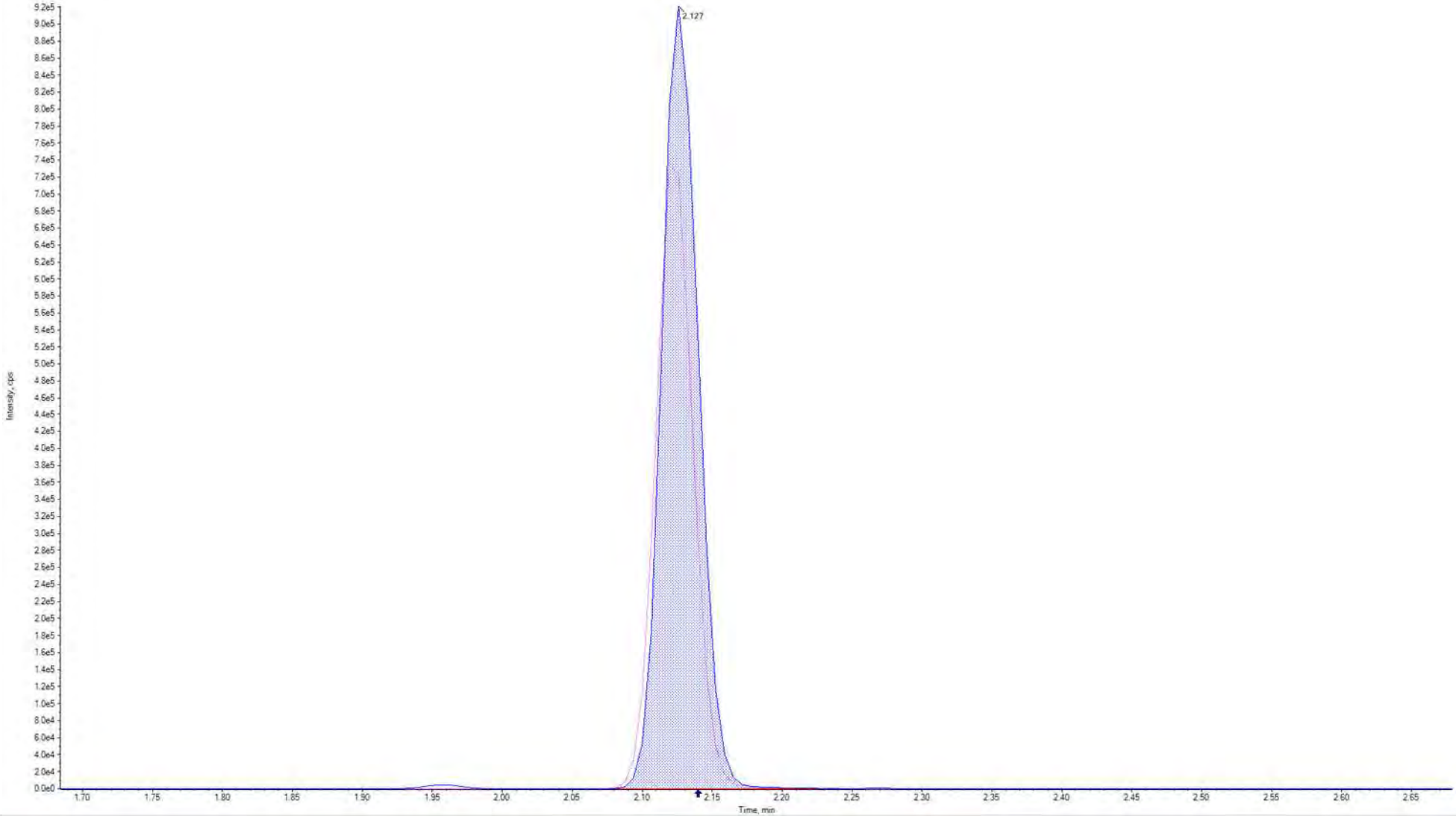
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

NEtFOSE
Sample: CA1633STD-10 S/N:1979.1 Points Across peak:37



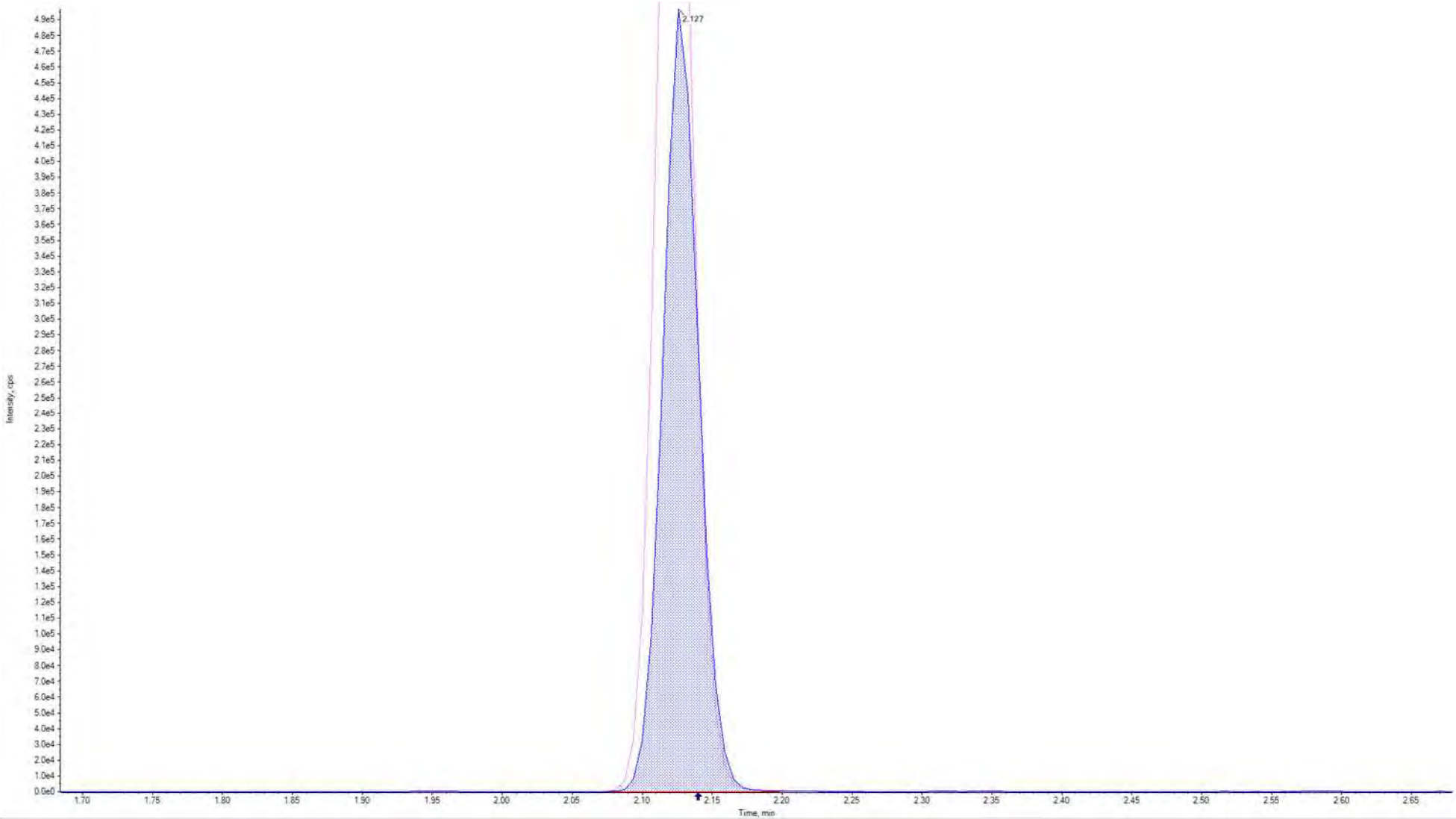
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

HFPO-DA
Sample: CA1633STD-10 S/N:20778.5 Points Across peak:26



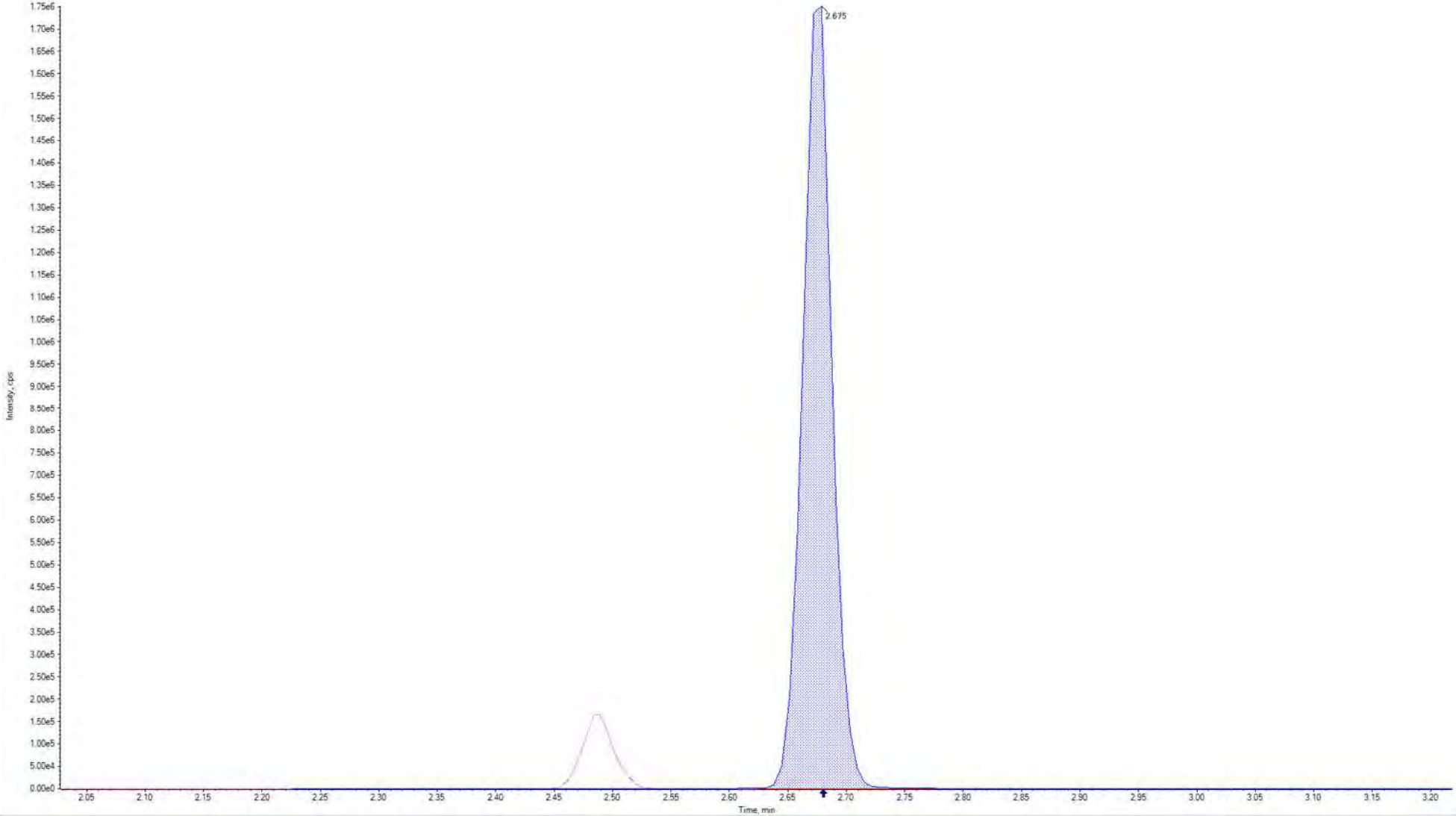
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

HFPO-DA_2
Sample: CA1633STD-10 S/N:11203.3 Points Across peak:24



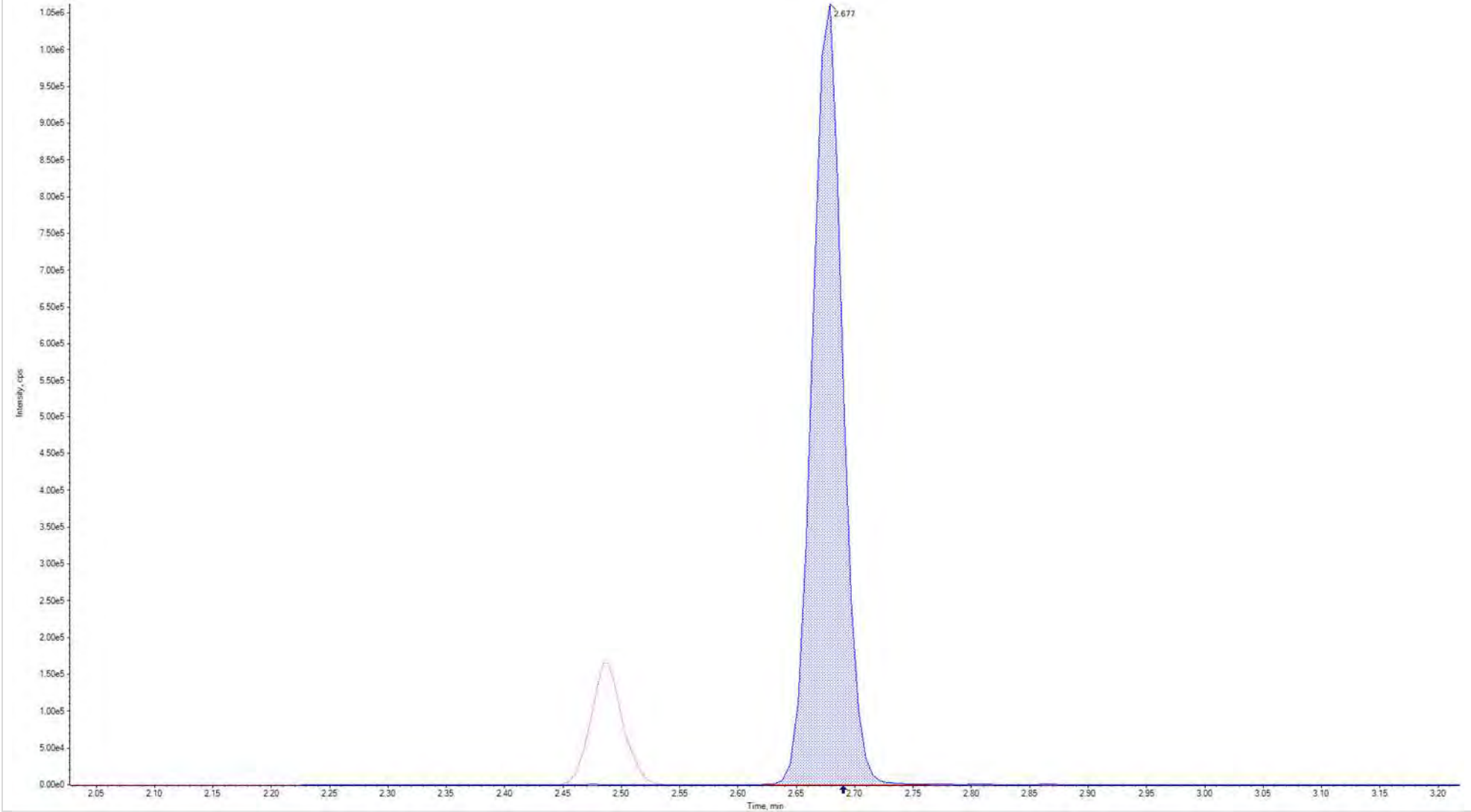
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

ADONA
Sample: CA1633STD-10 S/N:35109.1 Points Across peak:30



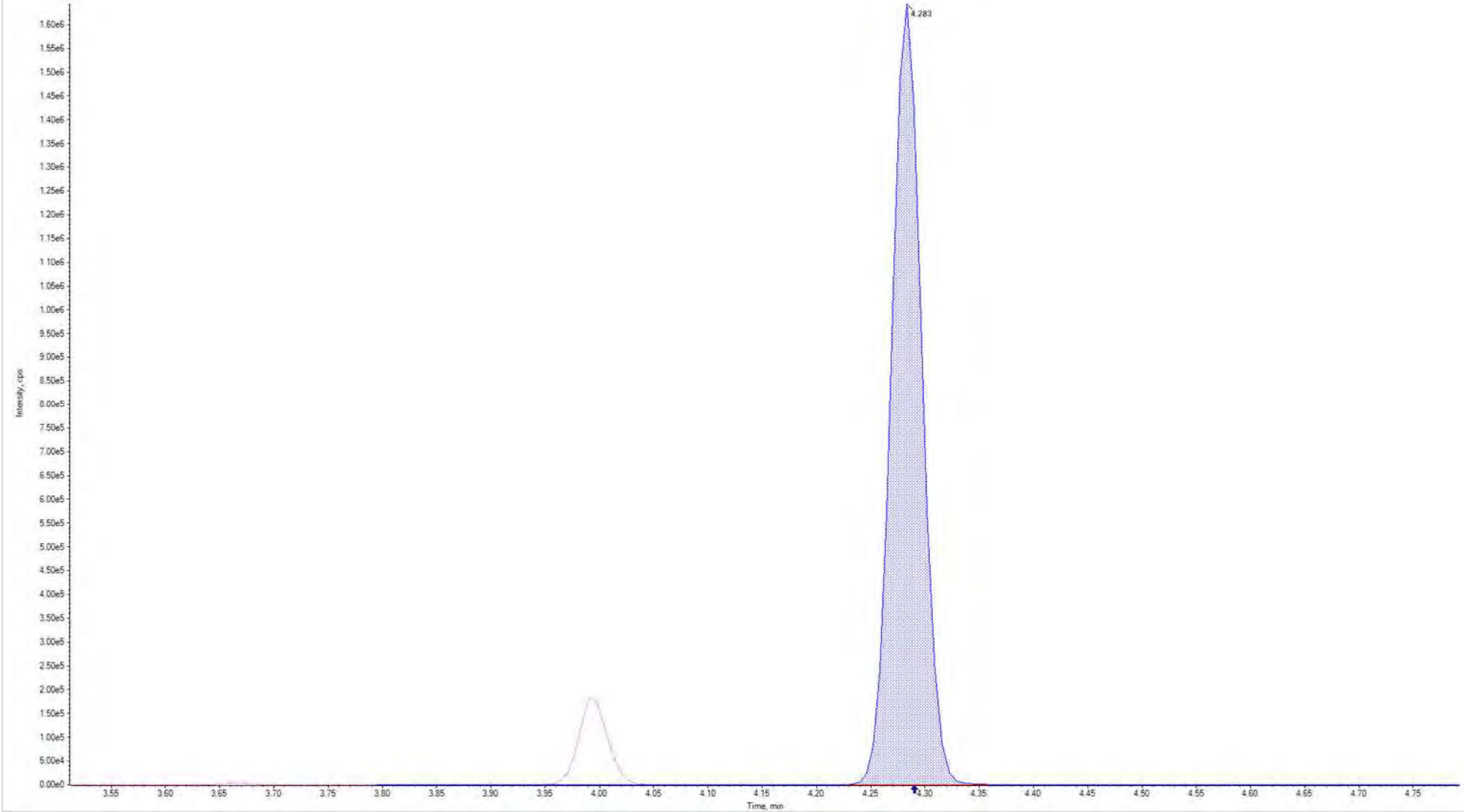
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

ADONA_2
Sample: CA1633STD-10 S/N:21295.4 Points Across peak:29



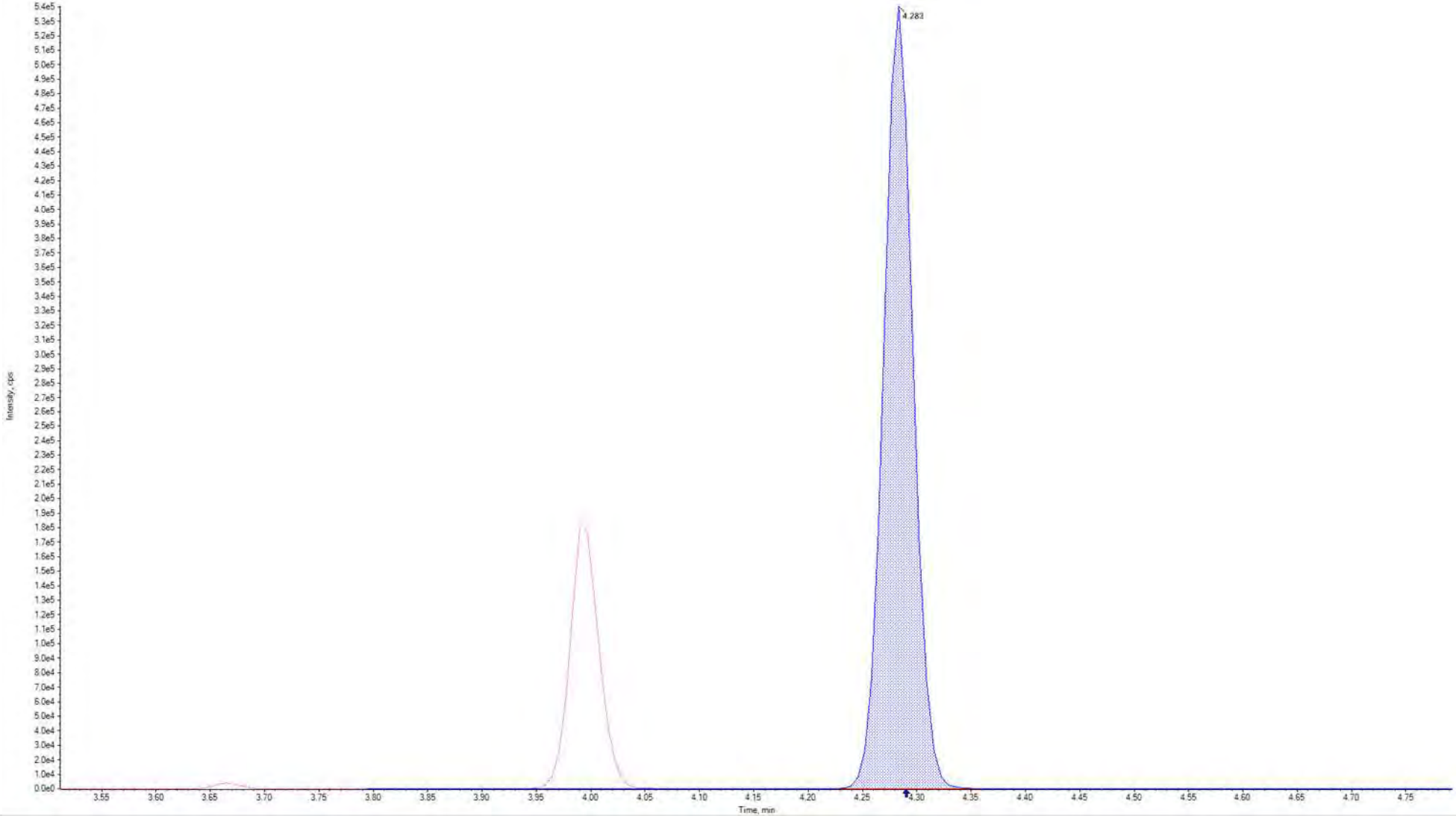
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

9Cl-PF3ONS
Sample: CA1633STD-10 S/N:37081.1 Points Across peak:26



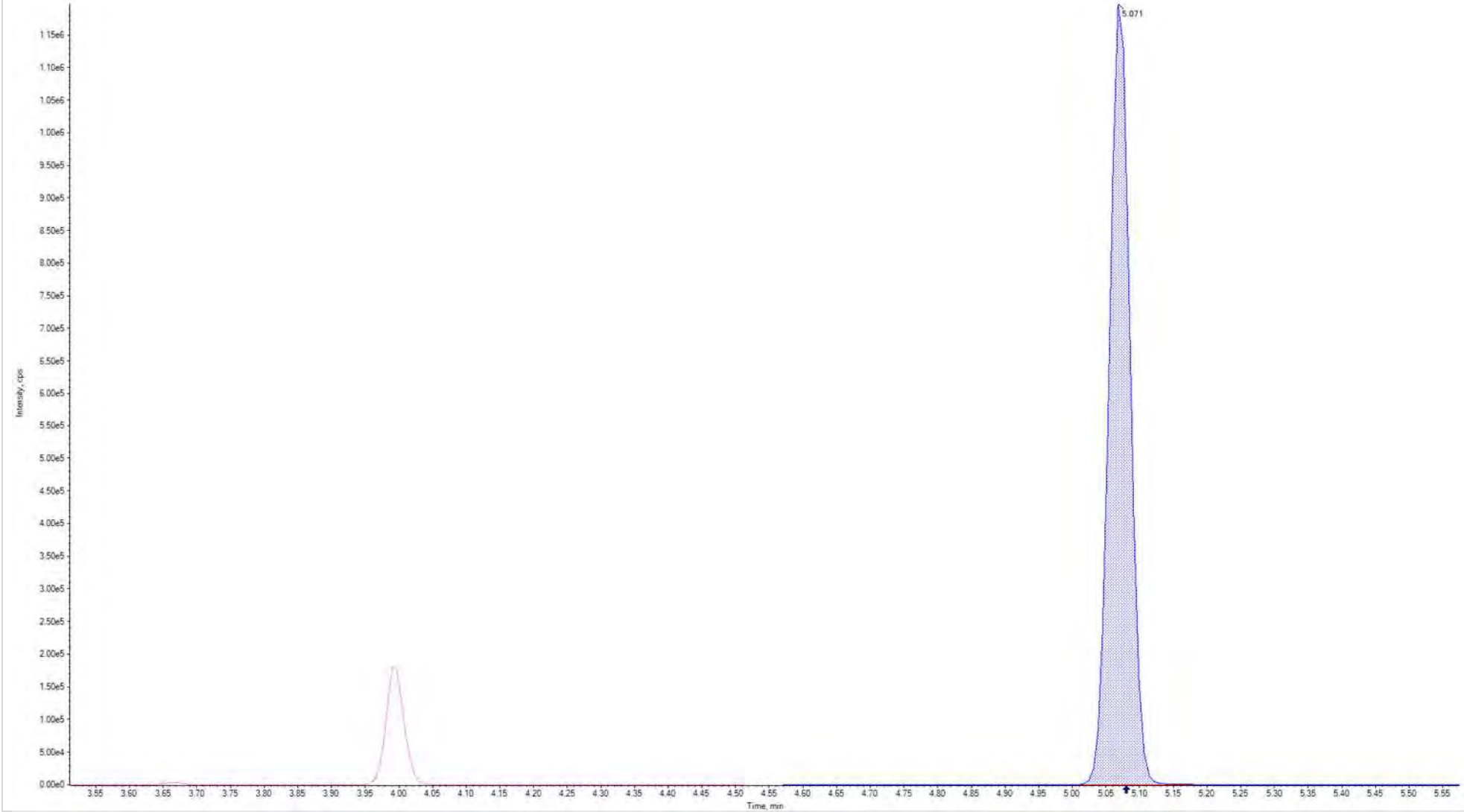
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

9Cl-PF3ONS_2
Sample: CA1633STD-10 S/N:5682.3 Points Across peak:26



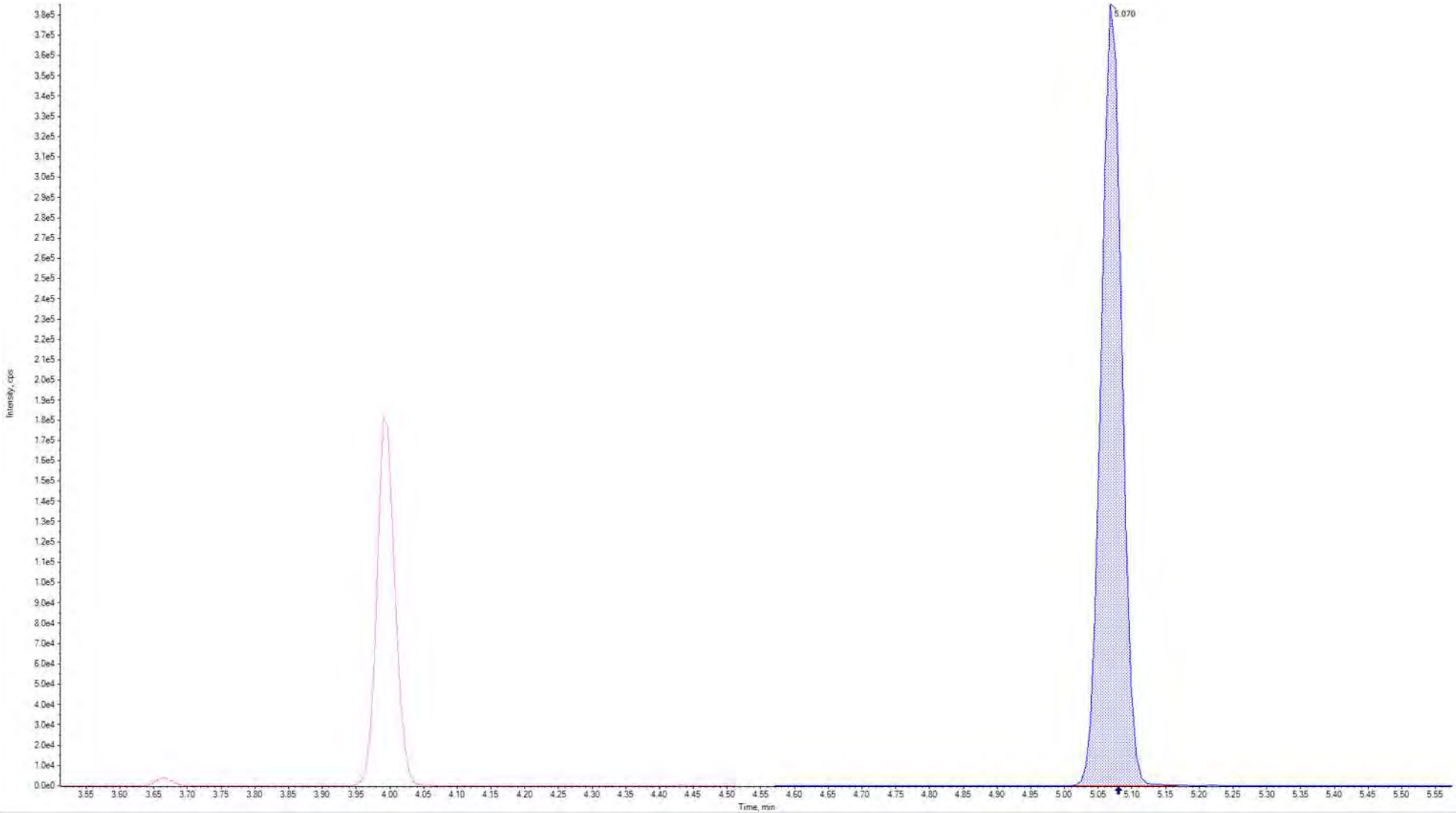
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

11Cl-PF3OUdS
Sample: CA1633STD-10 S/N:6989.9 Points Across peak:33



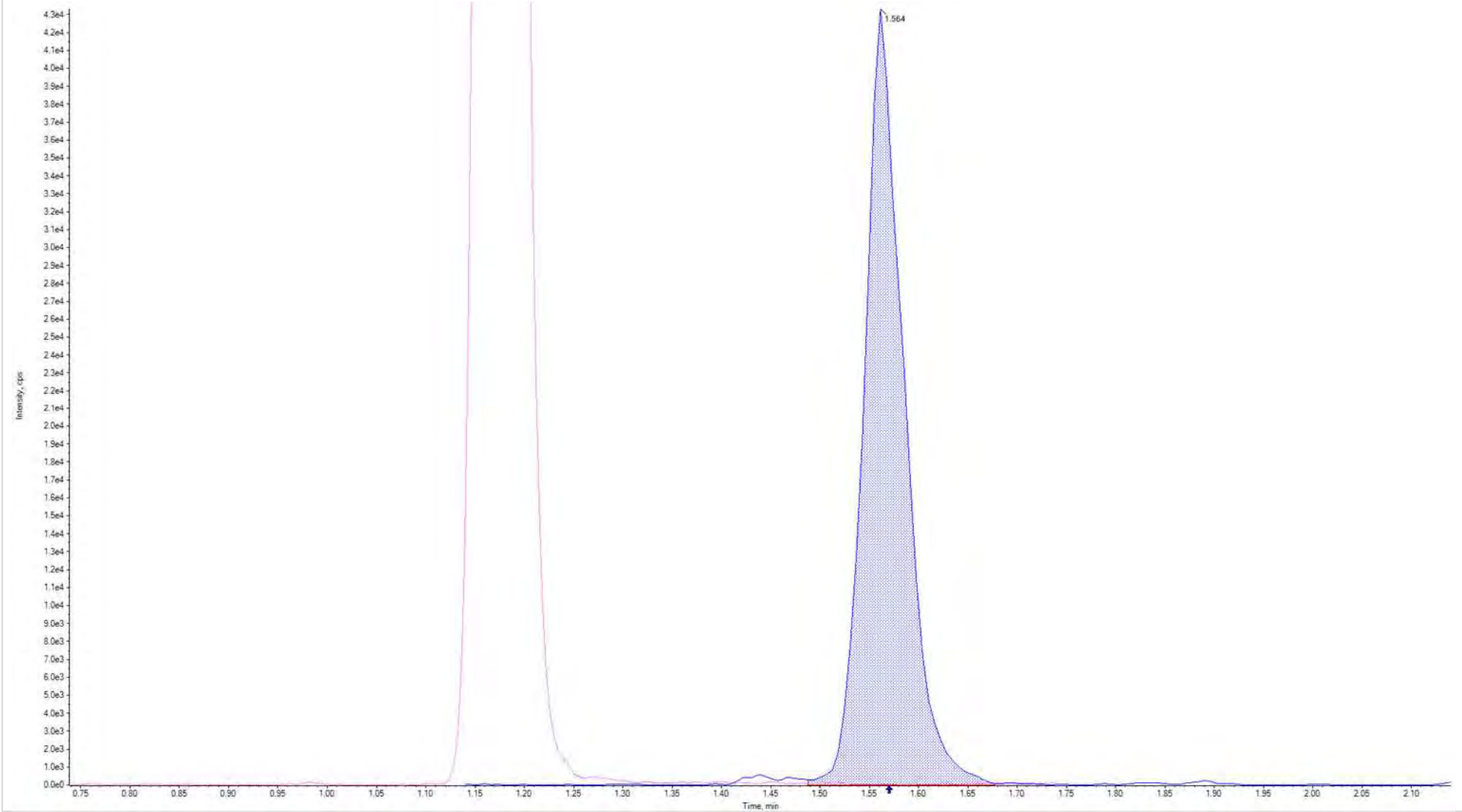
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

11Cl-PF3OUdS_2
Sample: CA1633STD-10 S/N:18353.7 Points Across peak:26



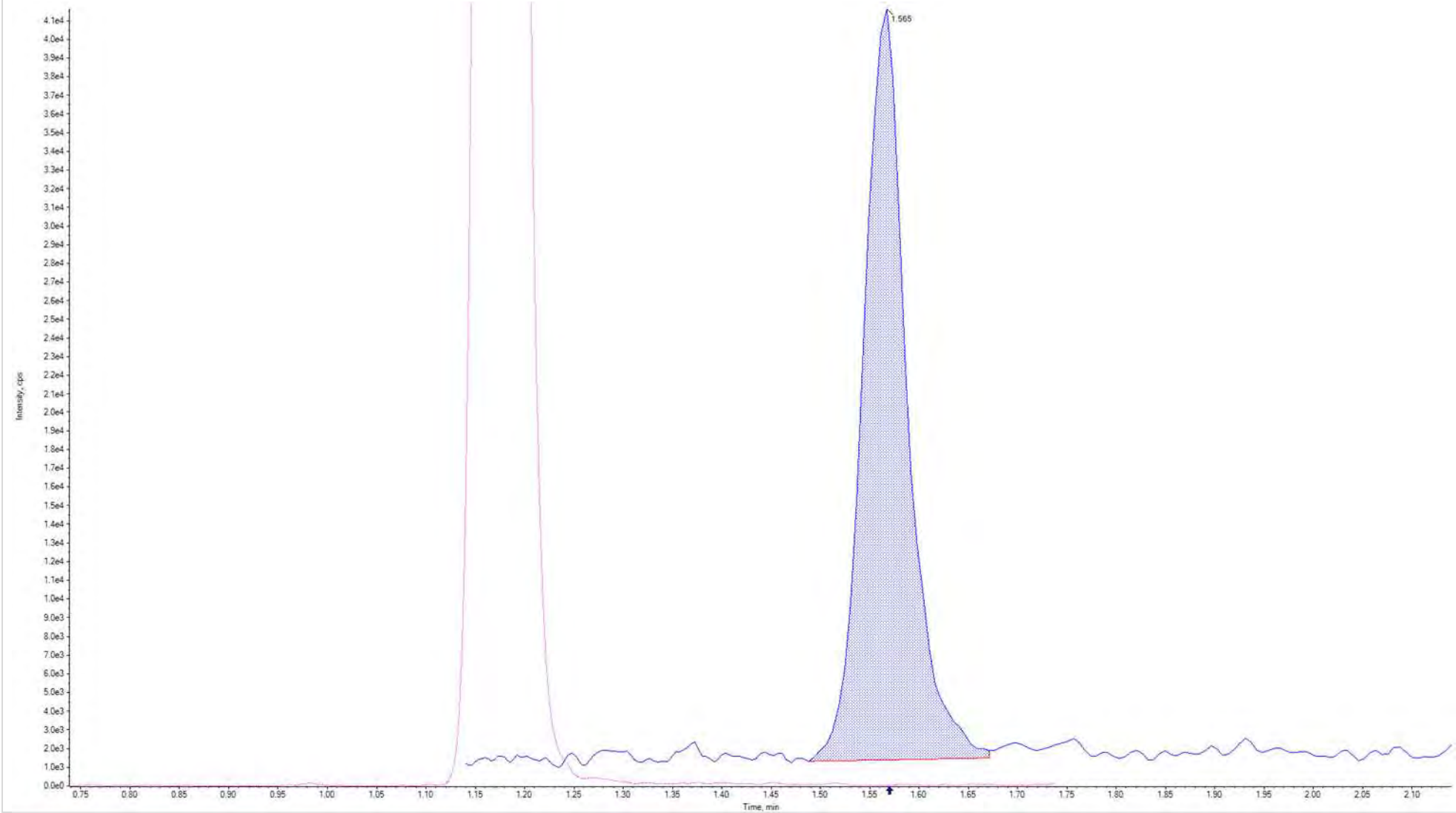
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

3:3FTCA
Sample: CA1633STD-10 S/N:1085.2 Points Across peak:32



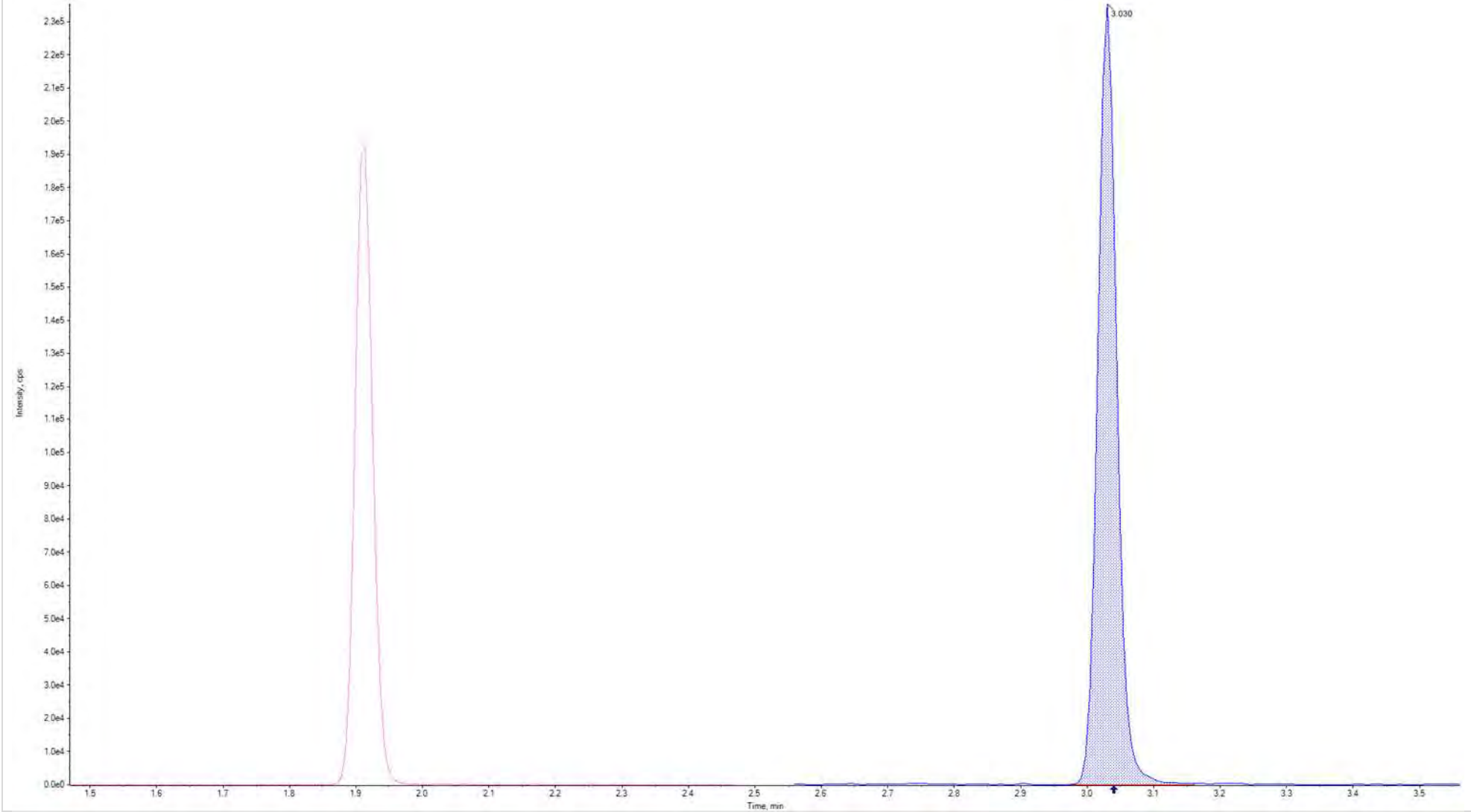
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

3:3FTCA_2
Sample: CA1633STD-10 S/N:320.1 Points Across peak:31



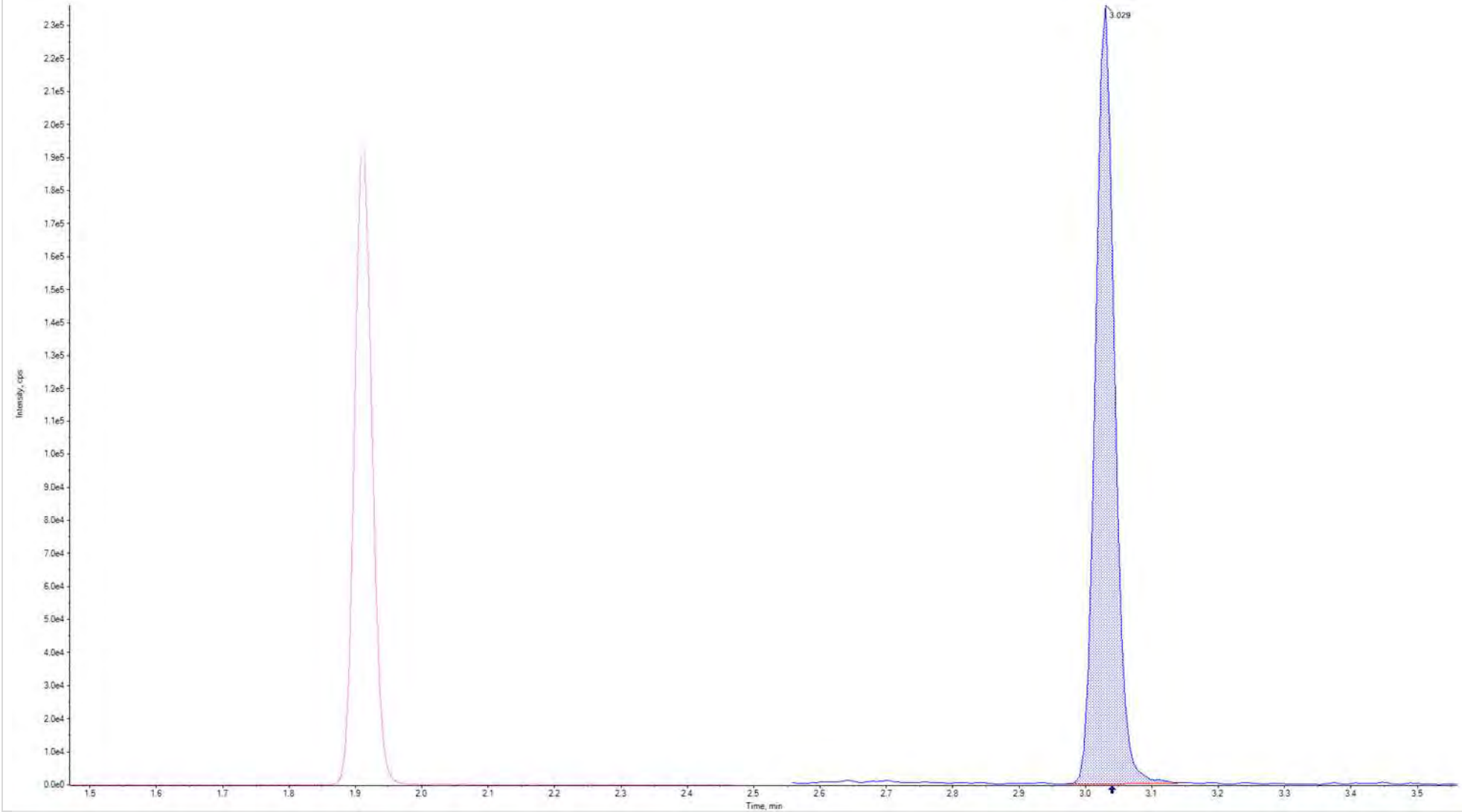
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

5:3FTCA
Sample: CA1633STD-10 S/N:5307.5 Points Across peak:33



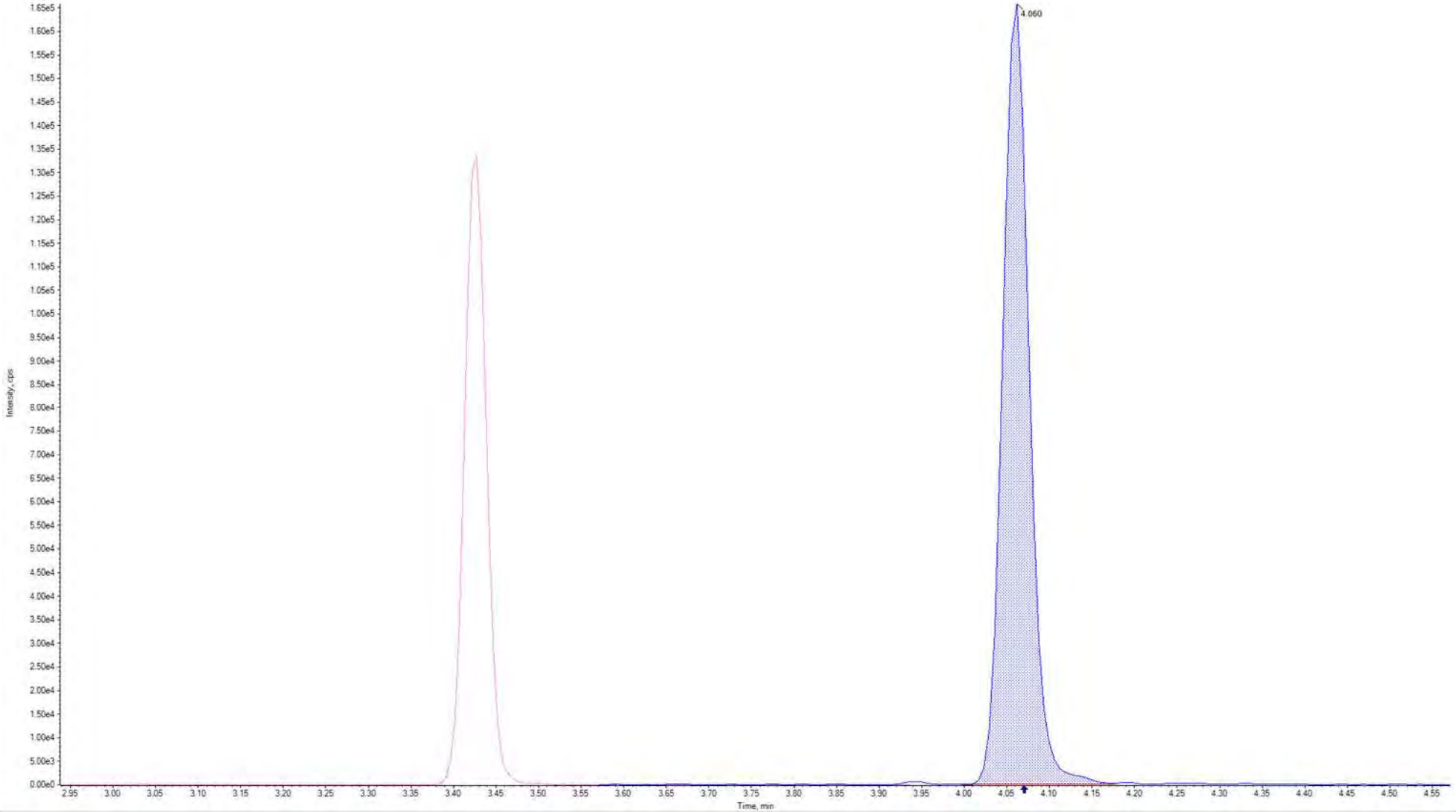
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

5:3FTCA_2
Sample: CA1633STD-10 S/N:2205.5 Points Across peak:30



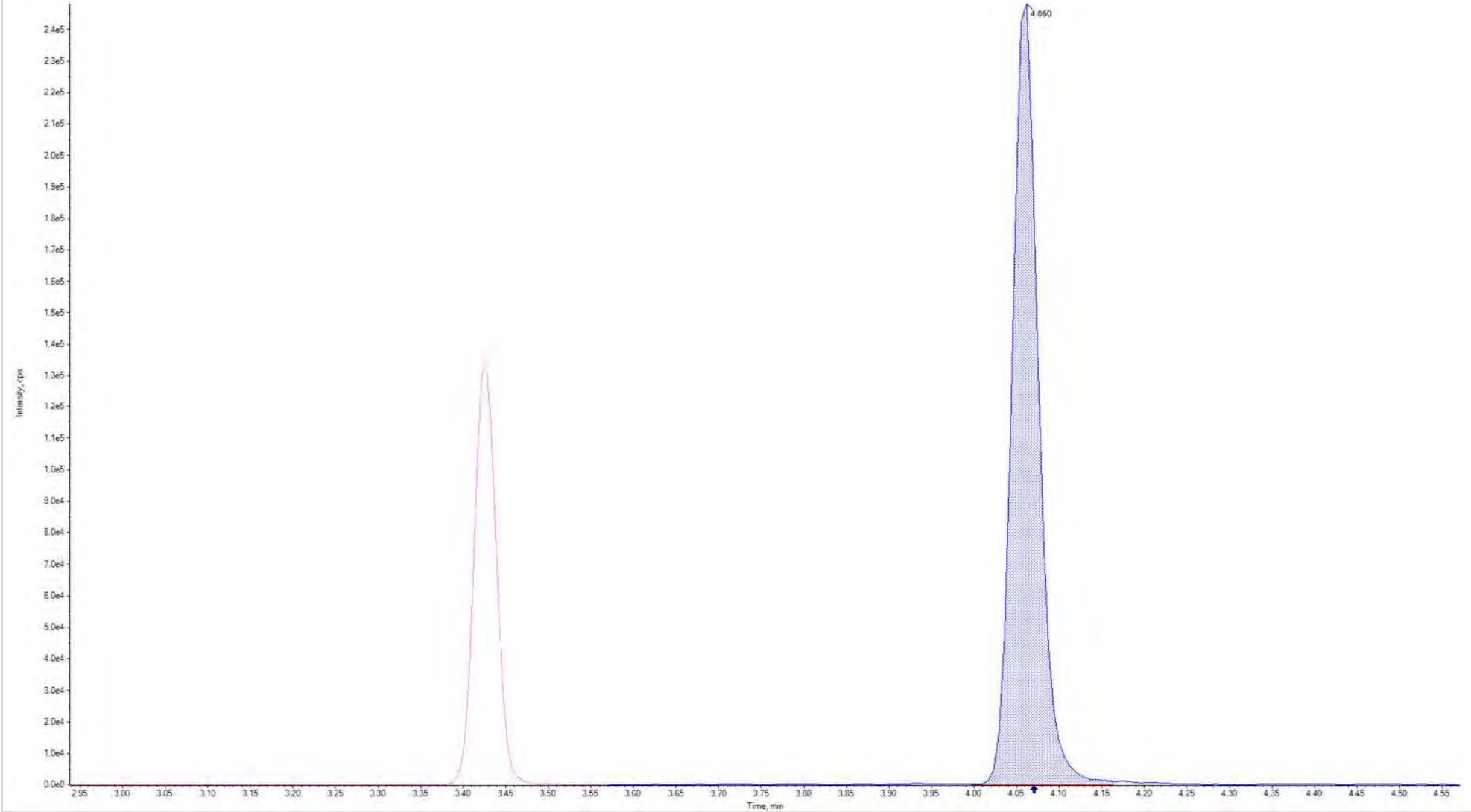
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

7:3FTCA
Sample: CA1633STD-10 S/N:4570.3 Points Across peak:29



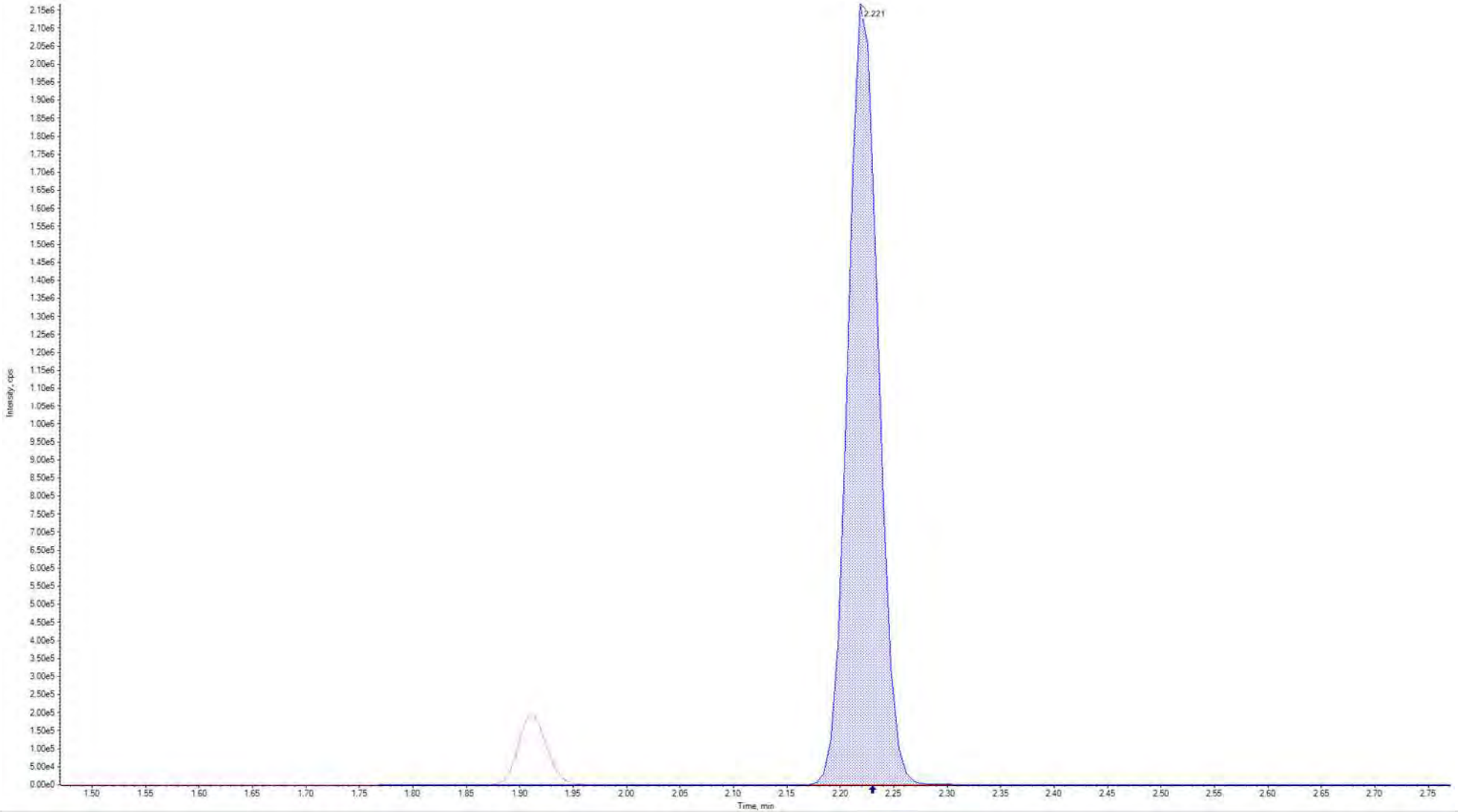
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

7:3FTCA_2
Sample: CA1633STD-10 S/N:4746.5 Points Across peak:30



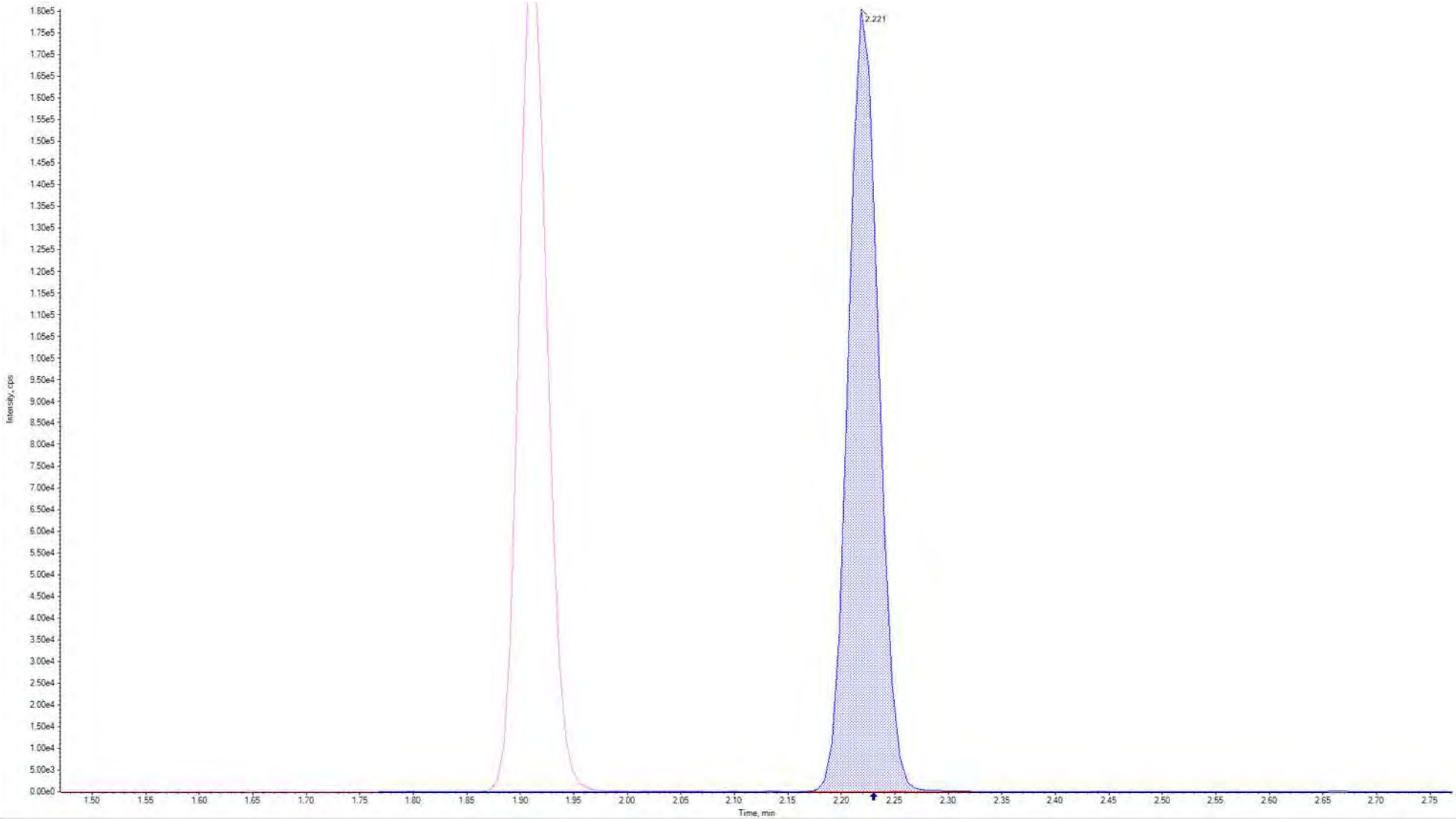
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFEESA
Sample: CA1633STD-10 S/N:48888.4 Points Across peak:33



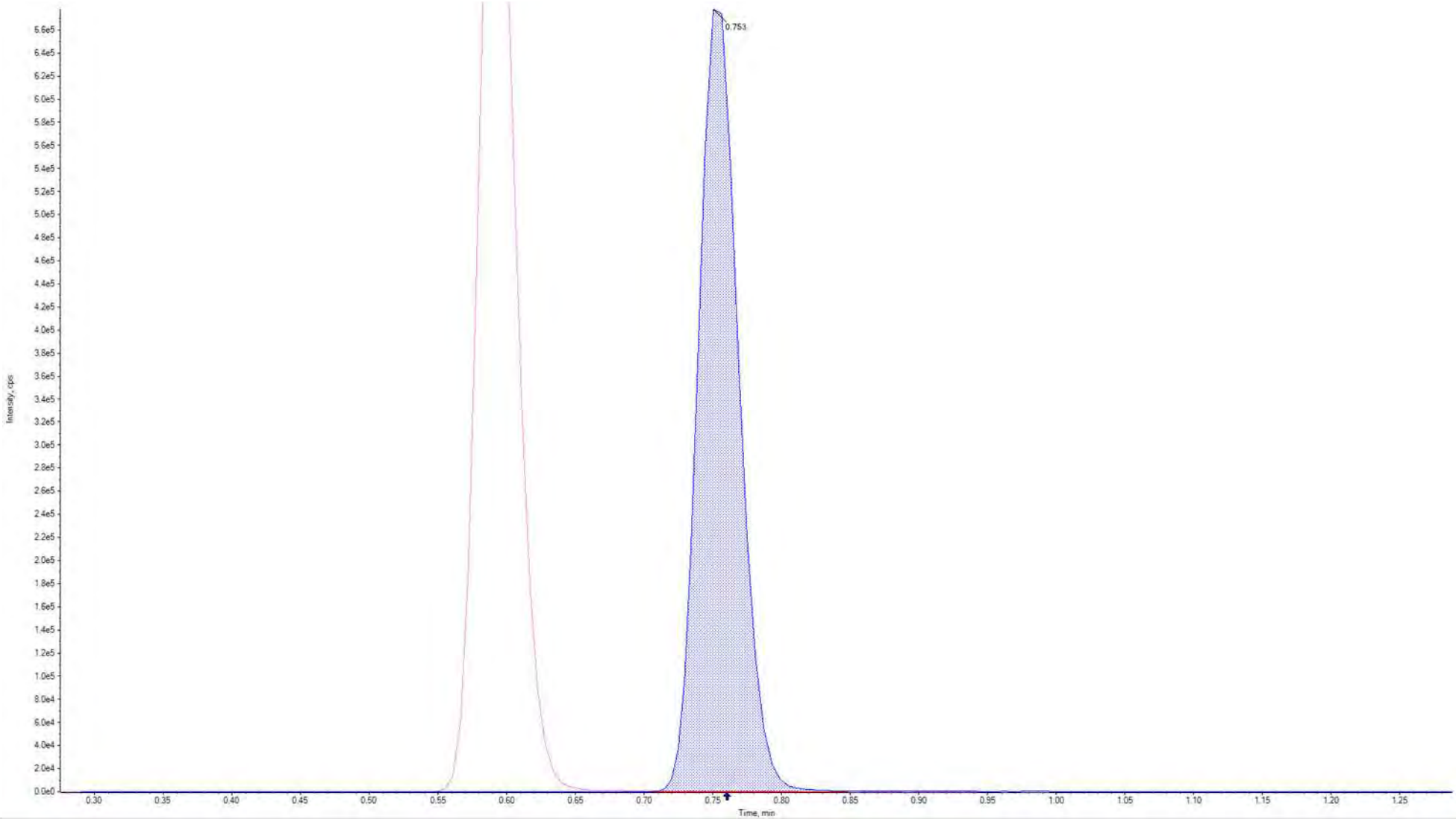
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFEESA_2
Sample: CA1633STD-10 S/N:3456.0 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\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFMPA
Sample: CA1633STD-10 S/N:14352.2 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 10:08:00 AM
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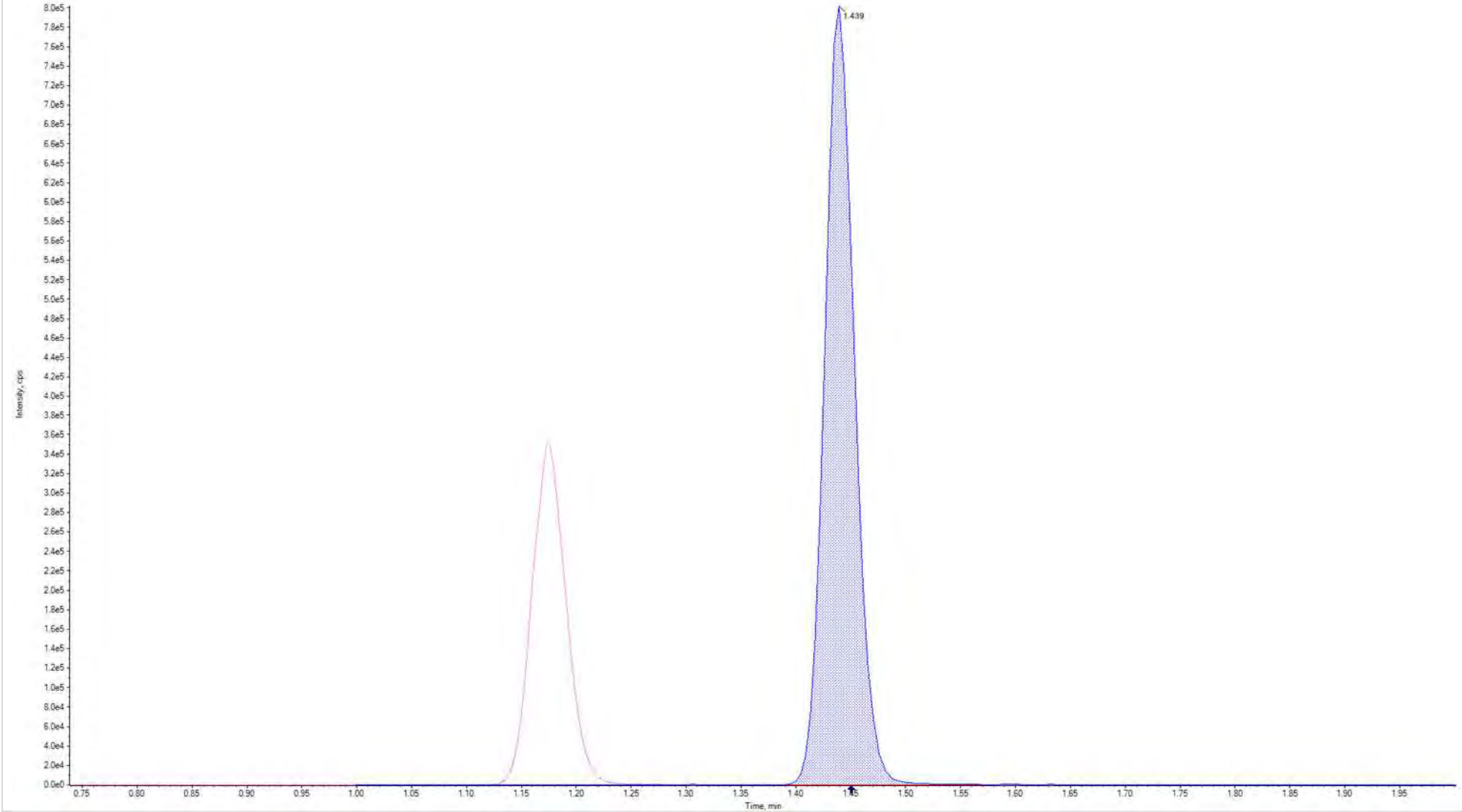
PFMBA
Sample: CA1633STD-10 S/N:17727.6 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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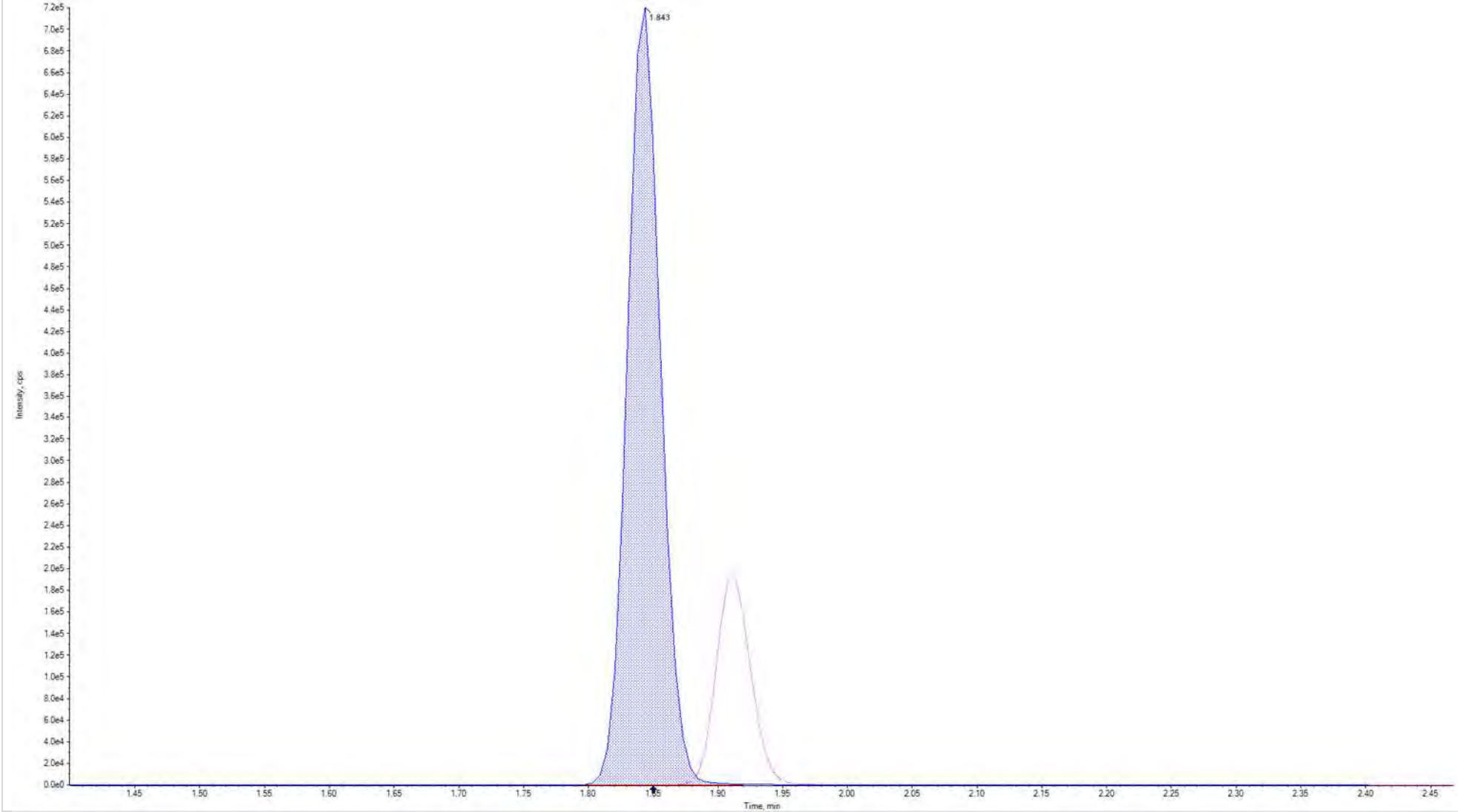
Generated: 3/4/2025 5:58:35 AM

NFDHA
Sample: CA1633STD-10 S/N:19854.6 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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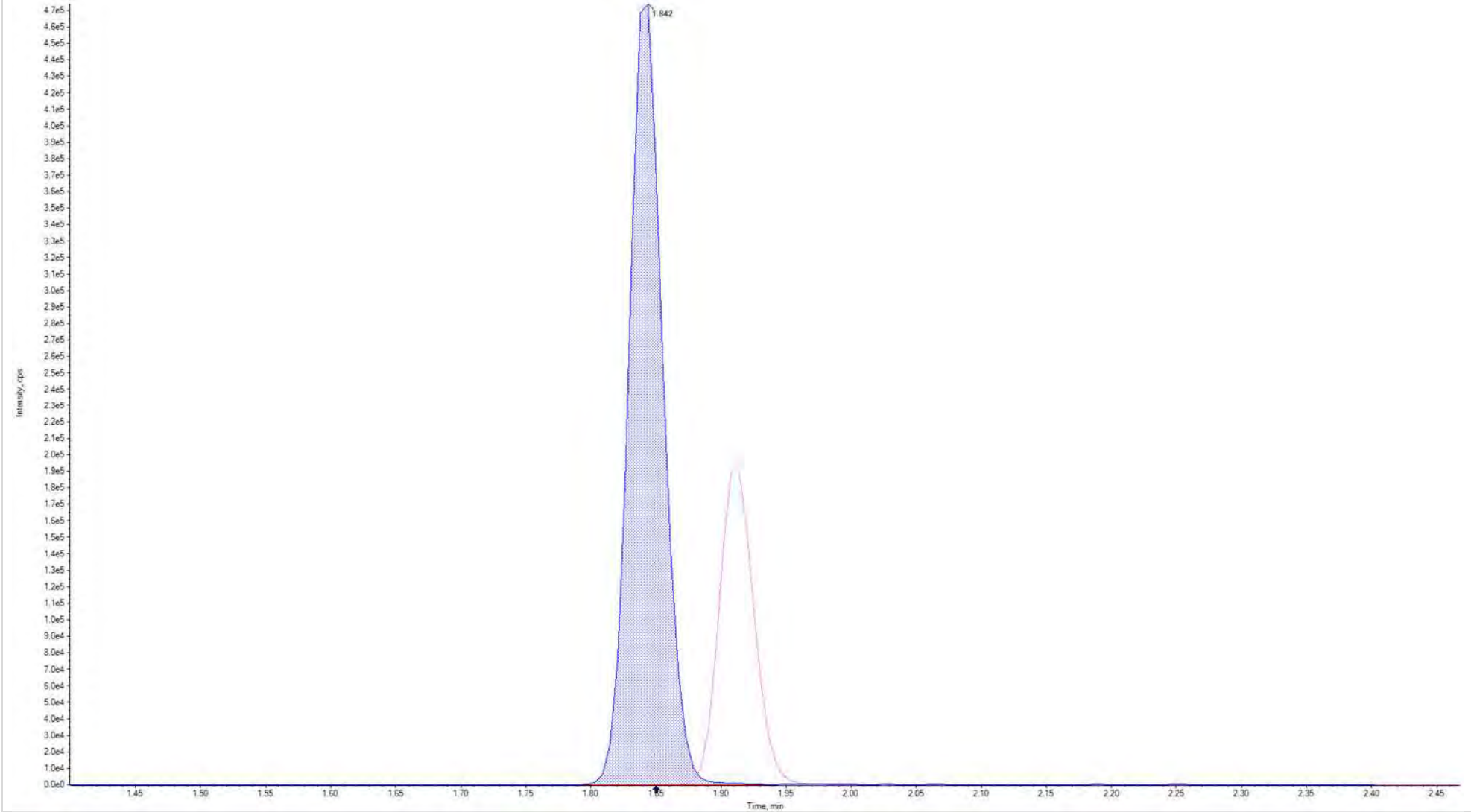
NFDHA_2
Sample: CA1633STD-10 S/N:13067.3 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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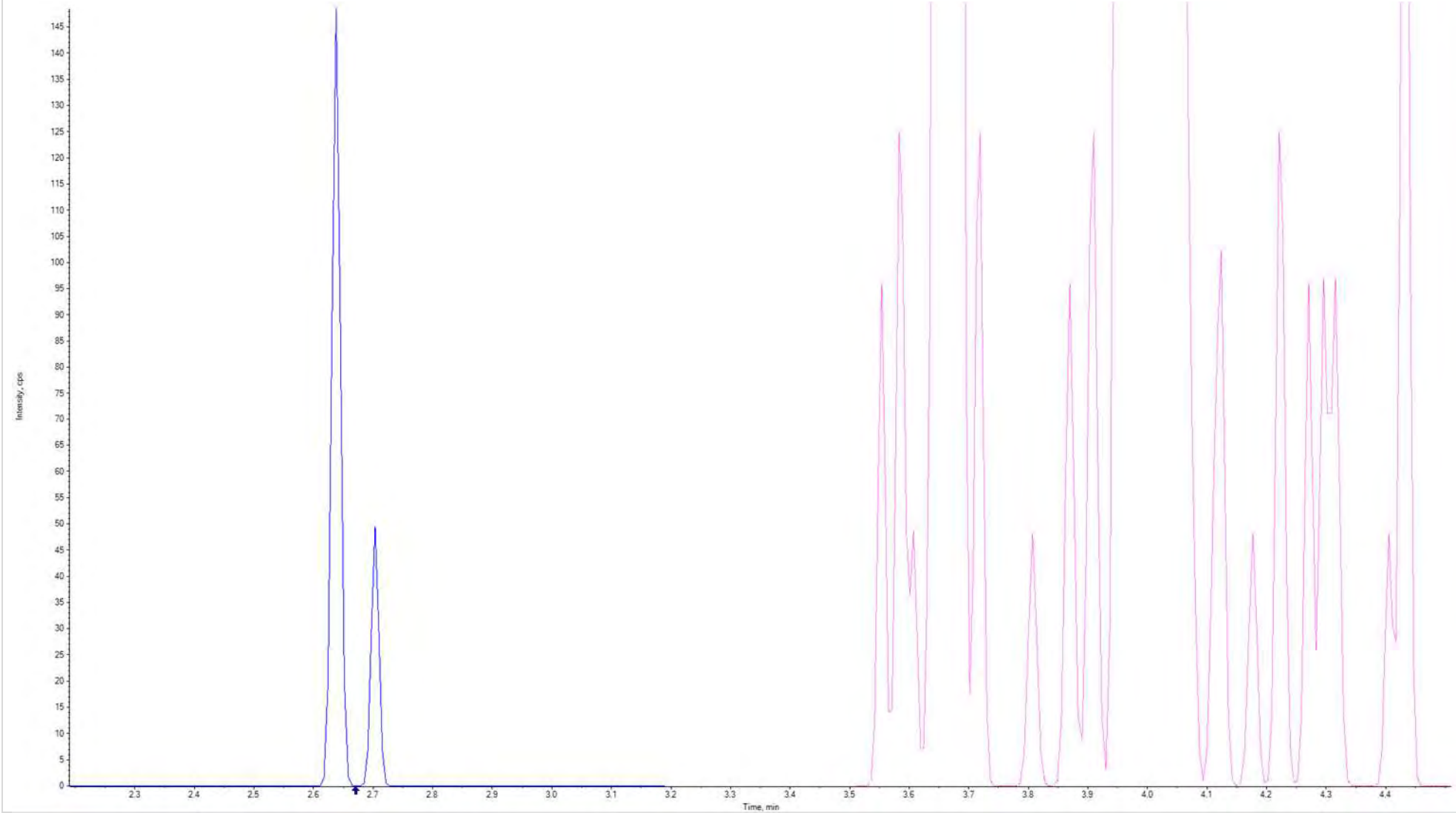
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

TDCA
Sample: CA1633STD-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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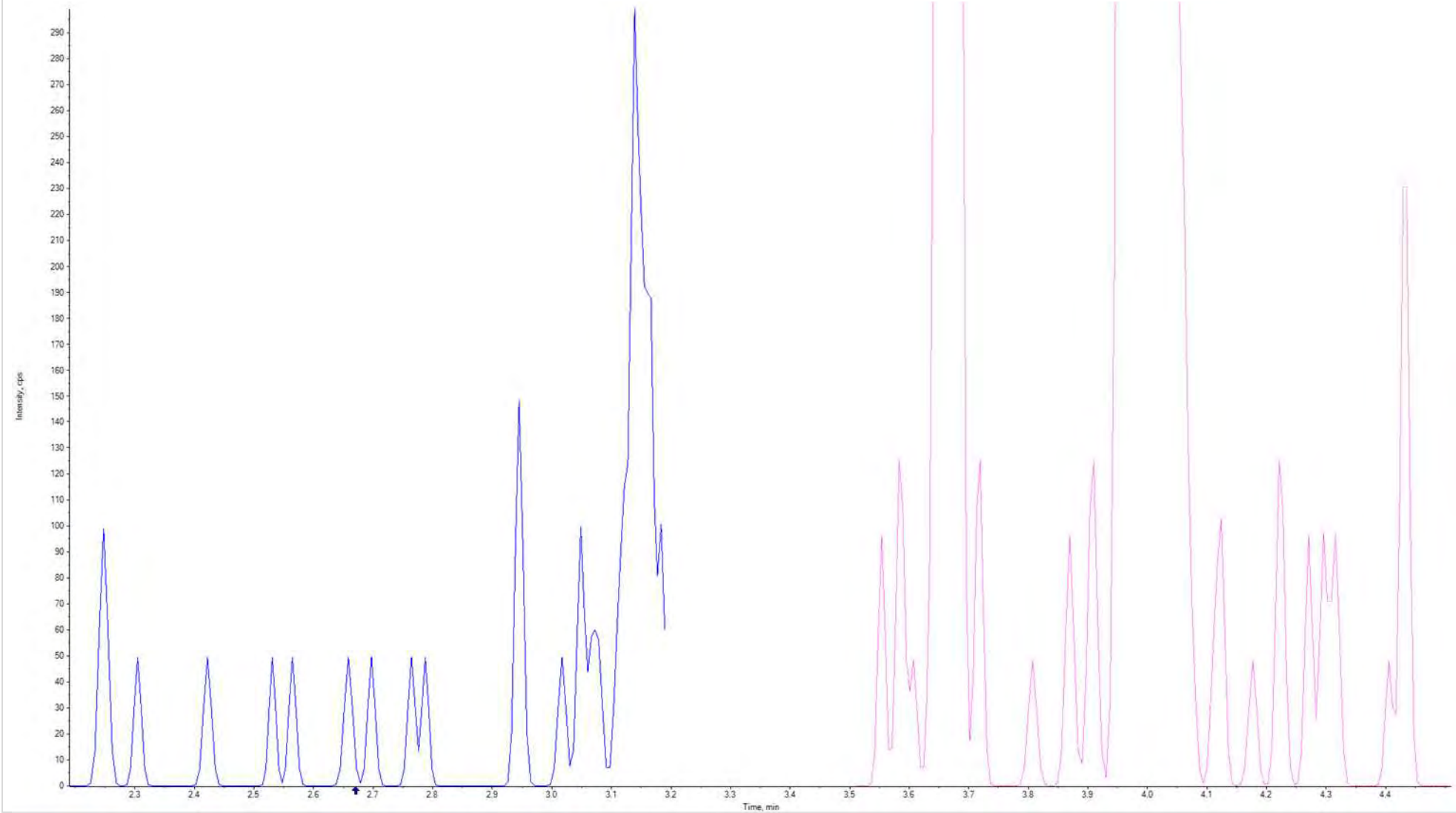
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

TDCA_2
Sample: CA1633STD-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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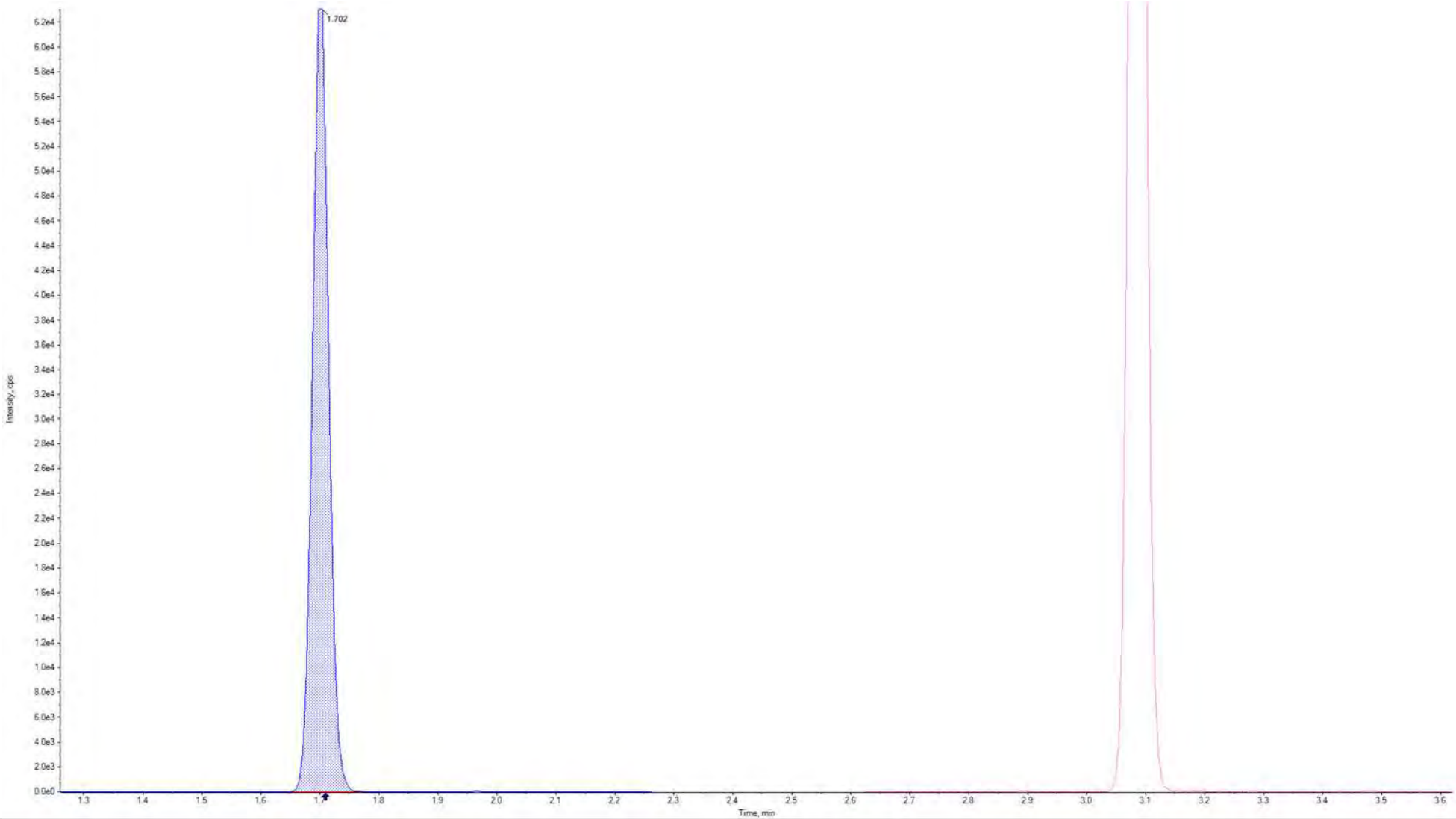
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

13C2D4-4:2FTS
Sample: CA1633STD-10 S/N:2370.7 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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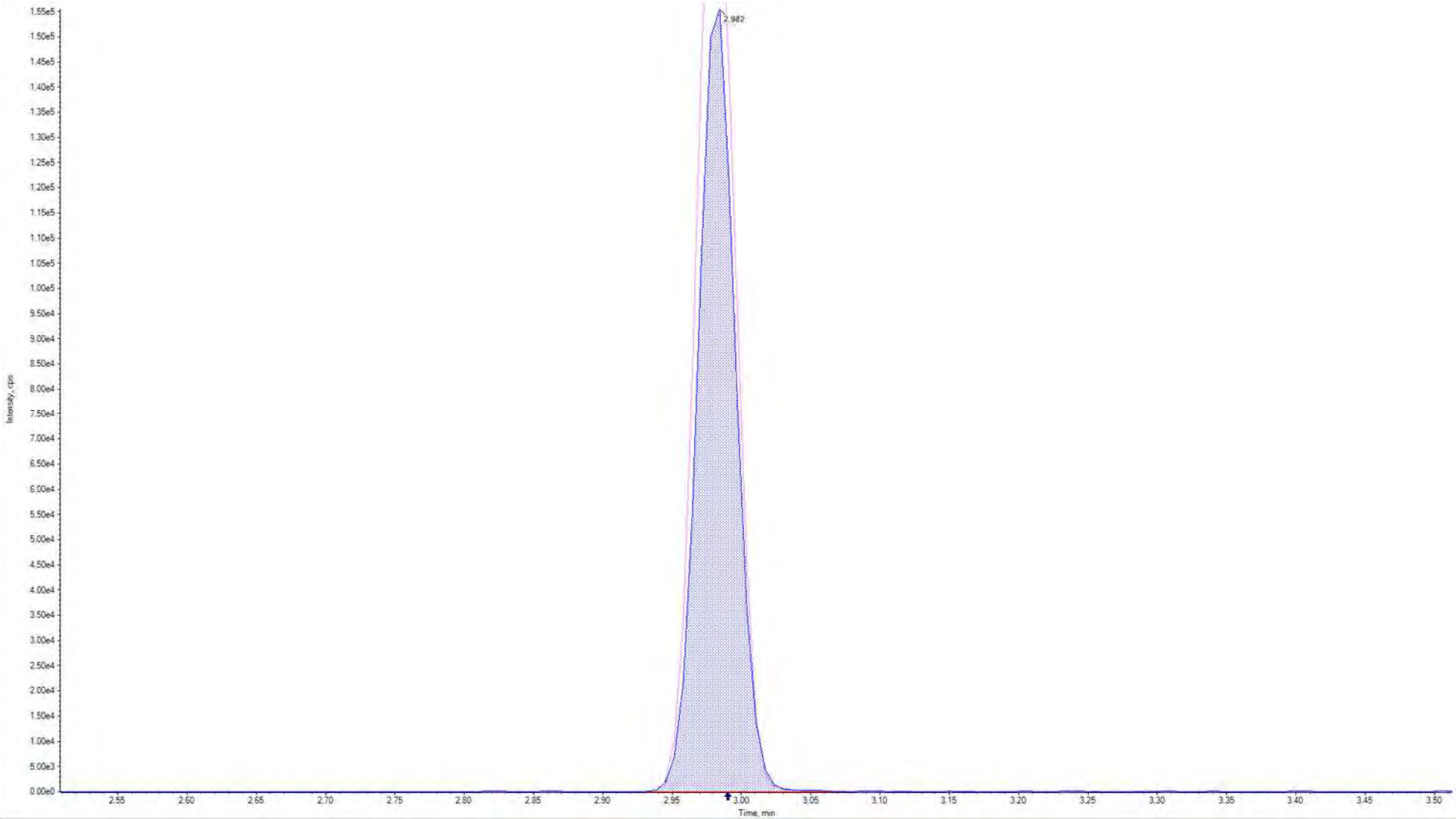
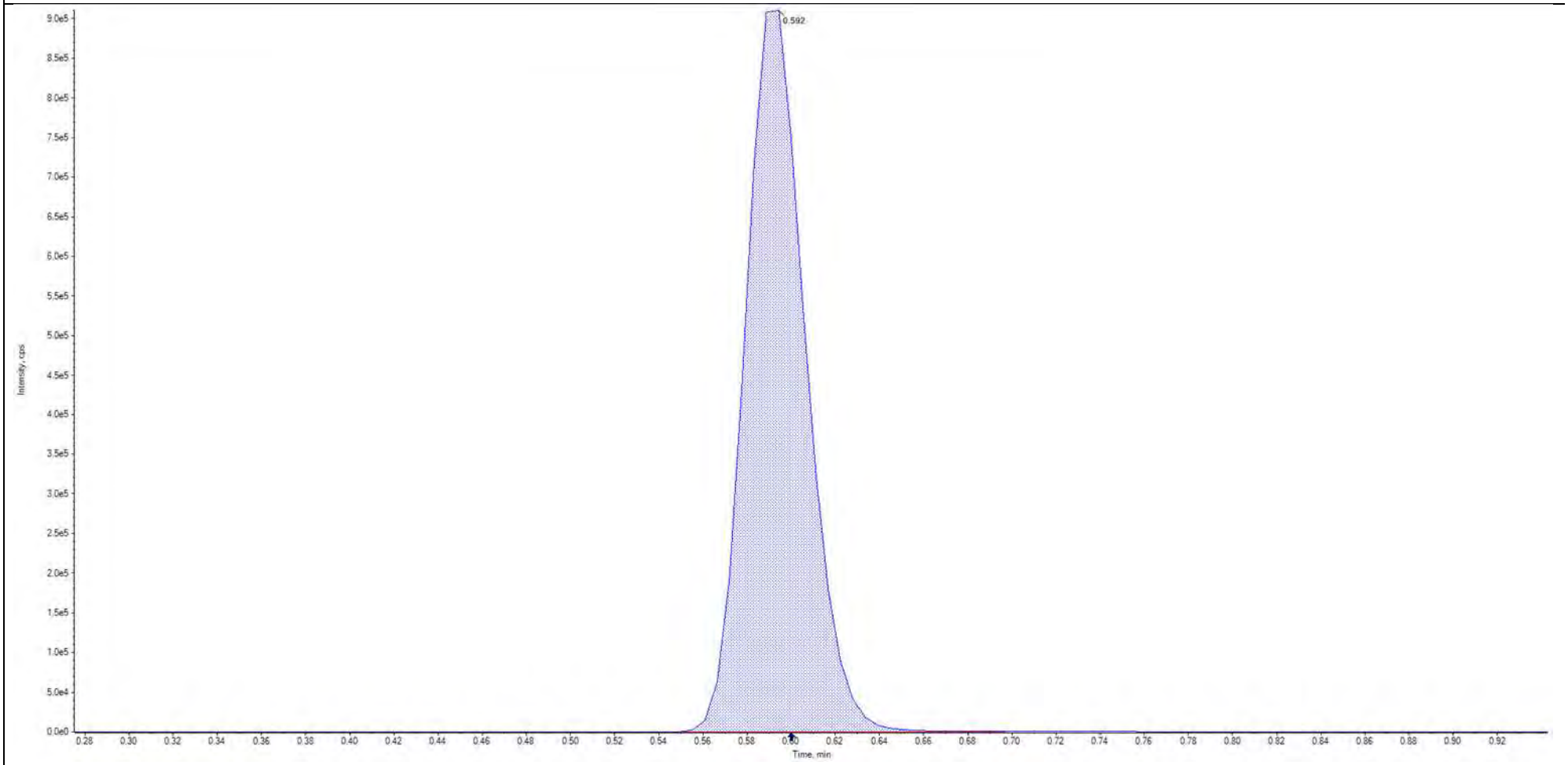
Generated: 3/4/2025 5:58:35 AM

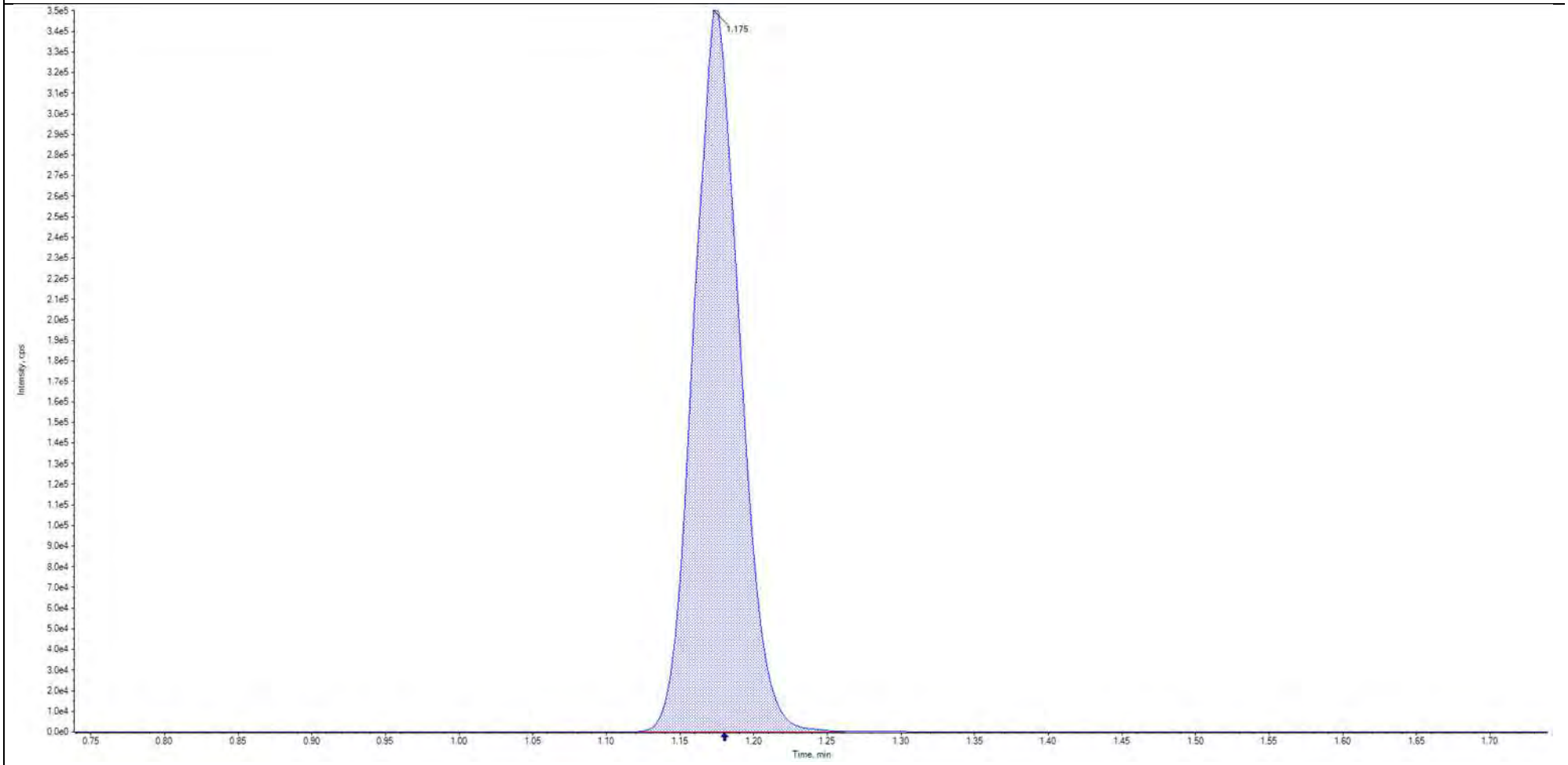
13C2-PFOA
Sample: CA1633STD-10 S/N:3507.5 Points Across peak:29



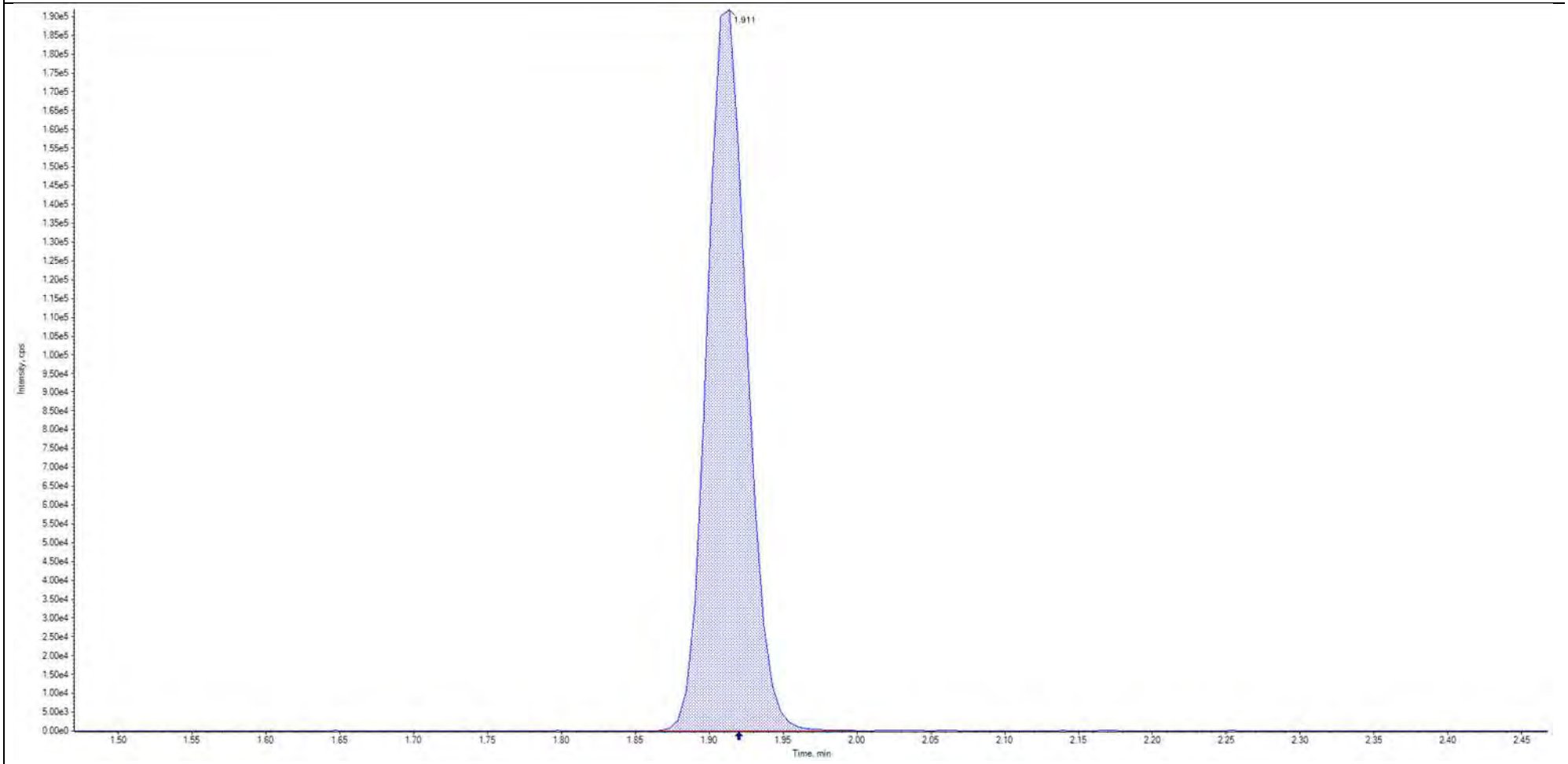
13C4-PFBA
Sample: CA1633STD-10



13C5-PFPeA
Sample: CA1633STD-10



13C5-PFHxA
Sample: CA1633STD-10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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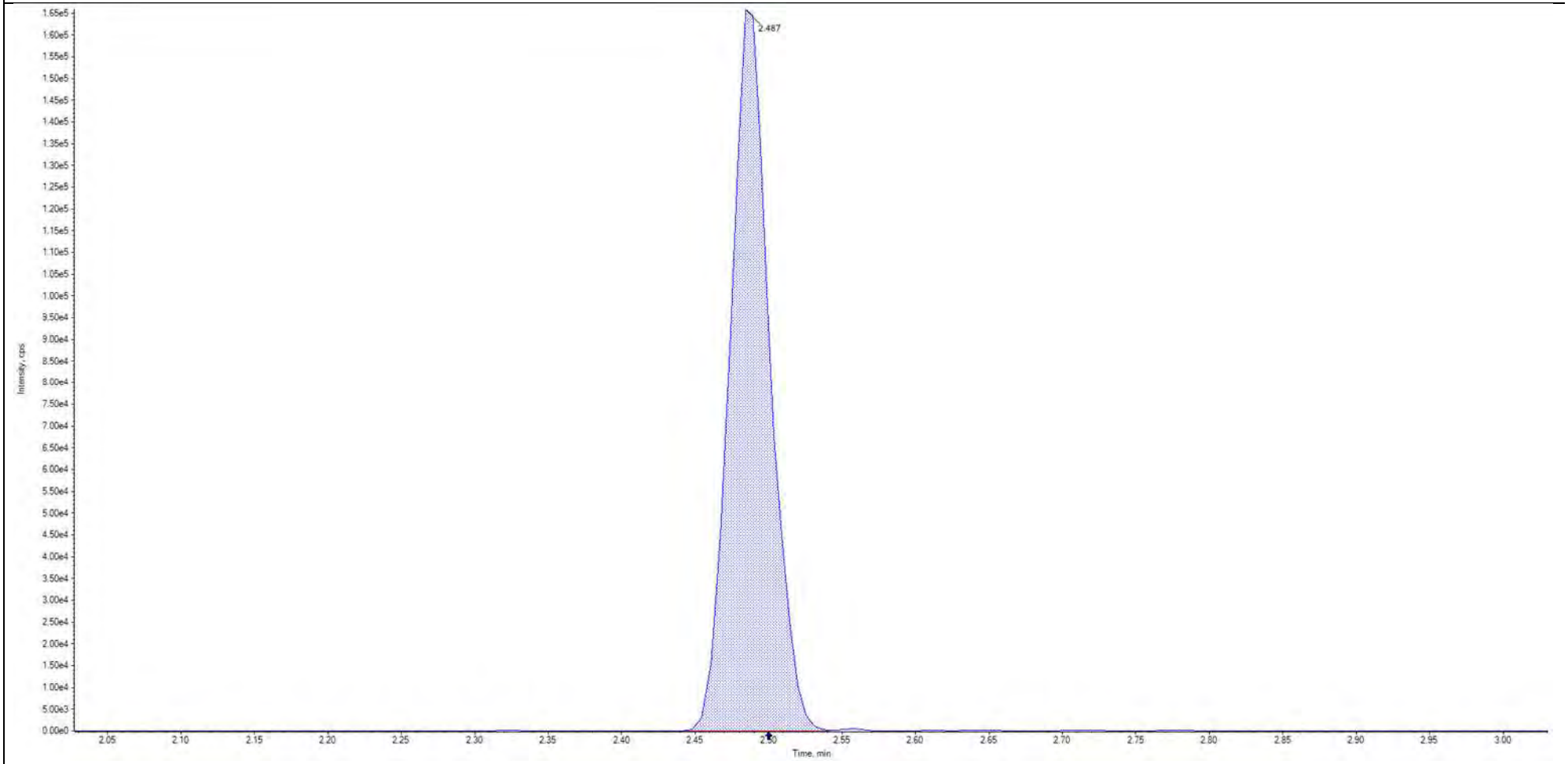
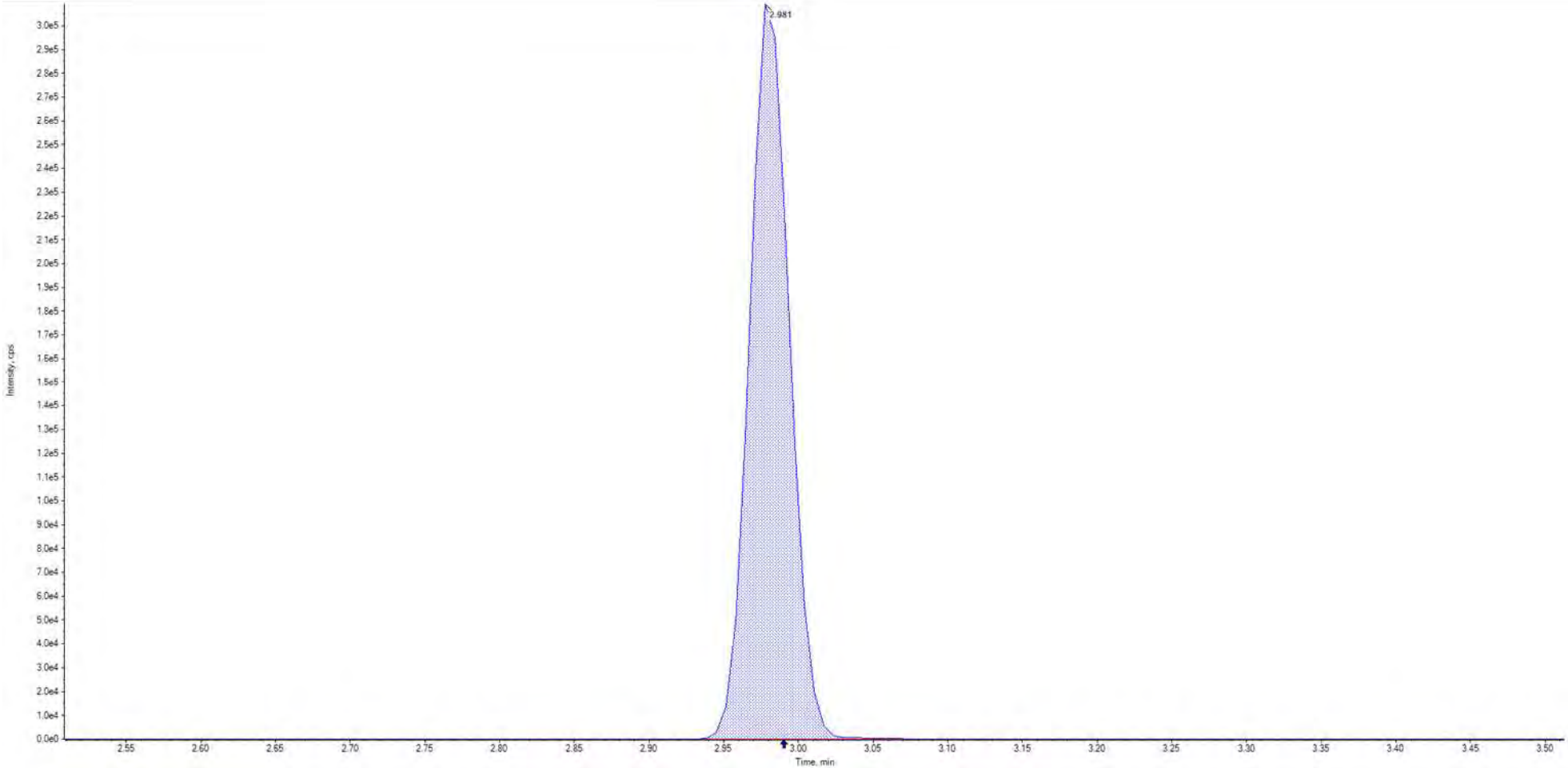
Generated: 3/4/2025 5:58:35 AM

13C4-PFHpA
Sample: CA1633STD-10



13C8-PFOA
Sample: CA1633STD-10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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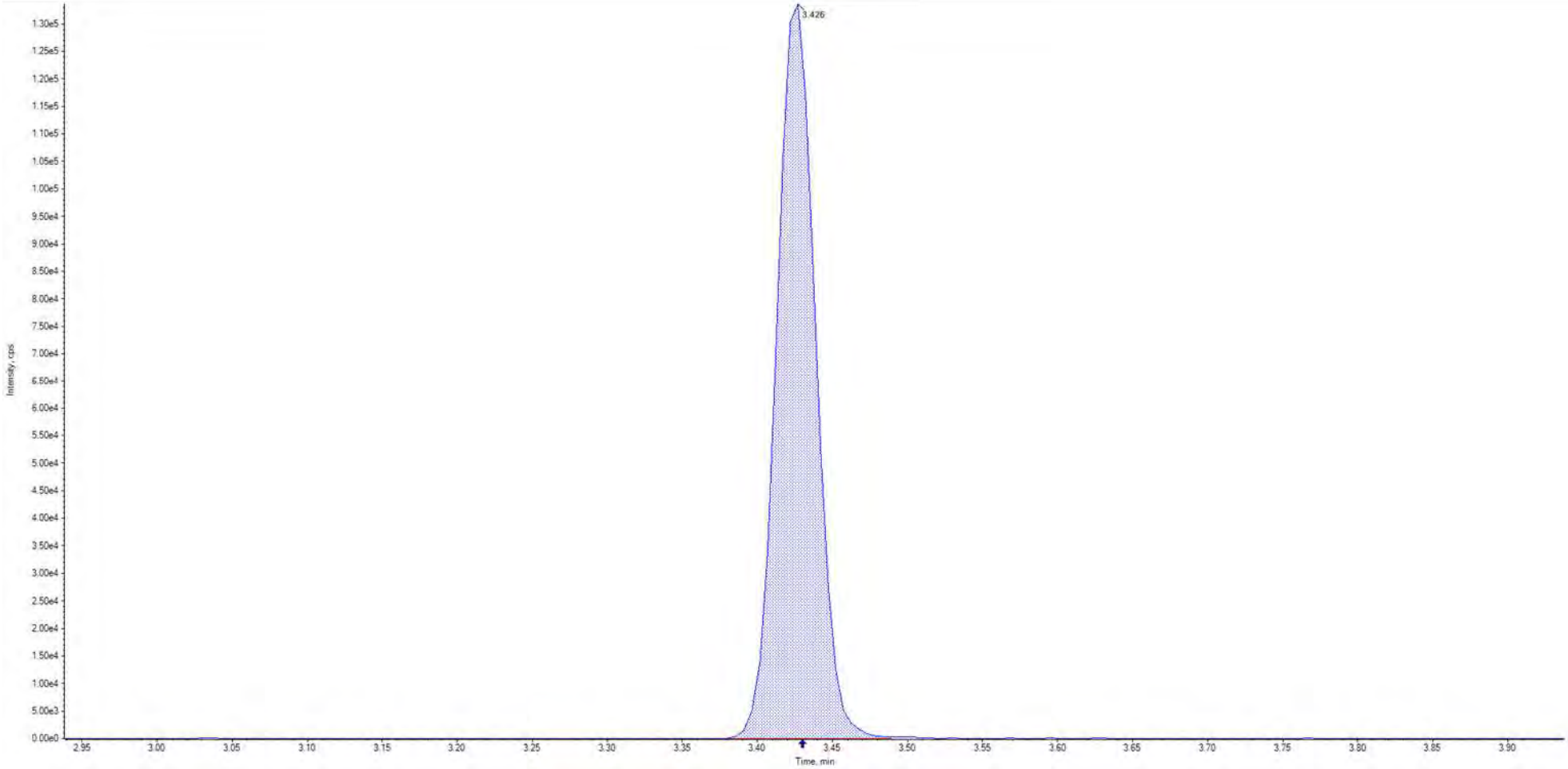
13C9-PFNA
Sample: CA1633STD-10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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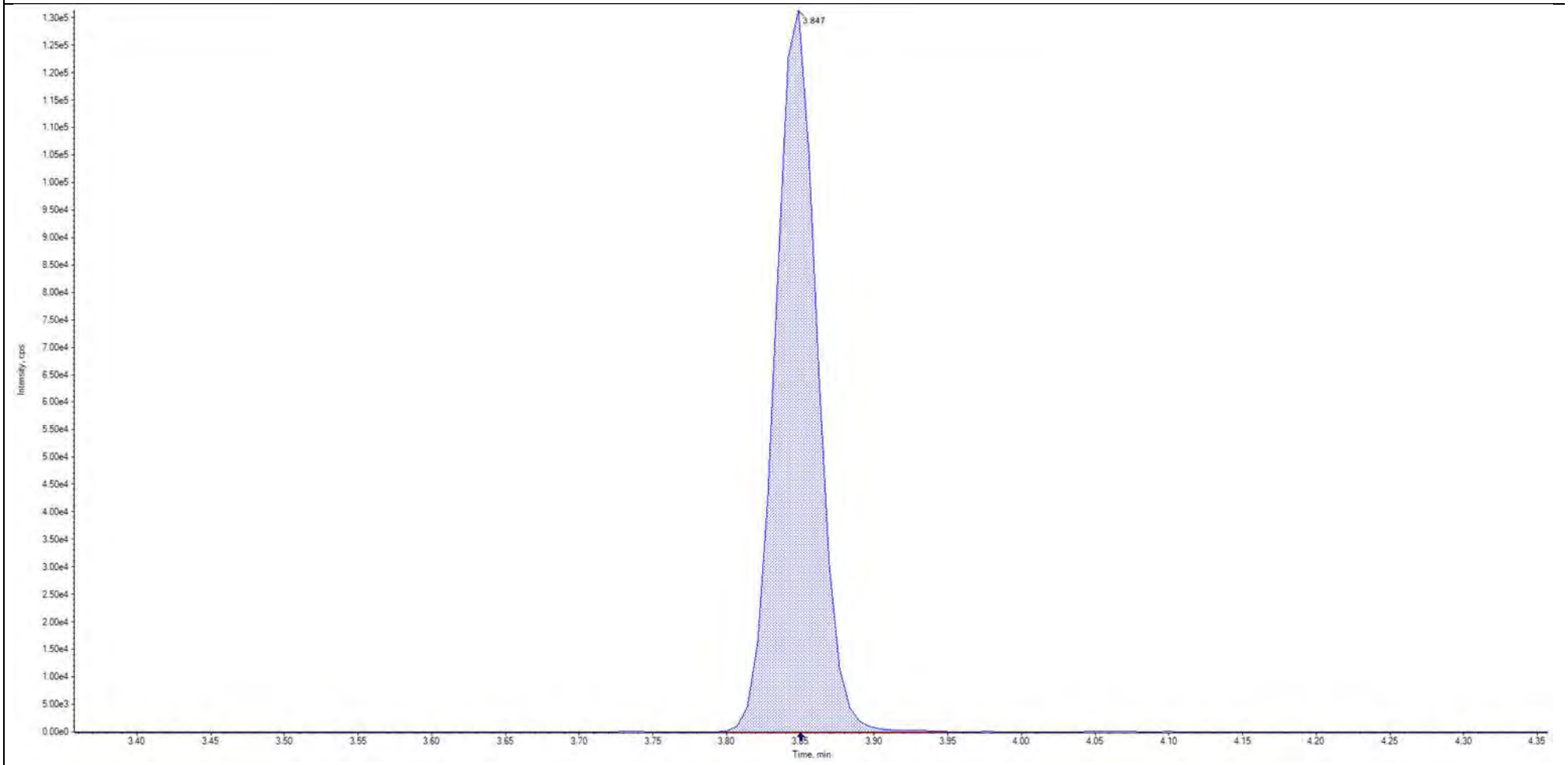
Generated: 3/4/2025 5:58:35 AM

13C6-PFDA
Sample: CA1633STD-10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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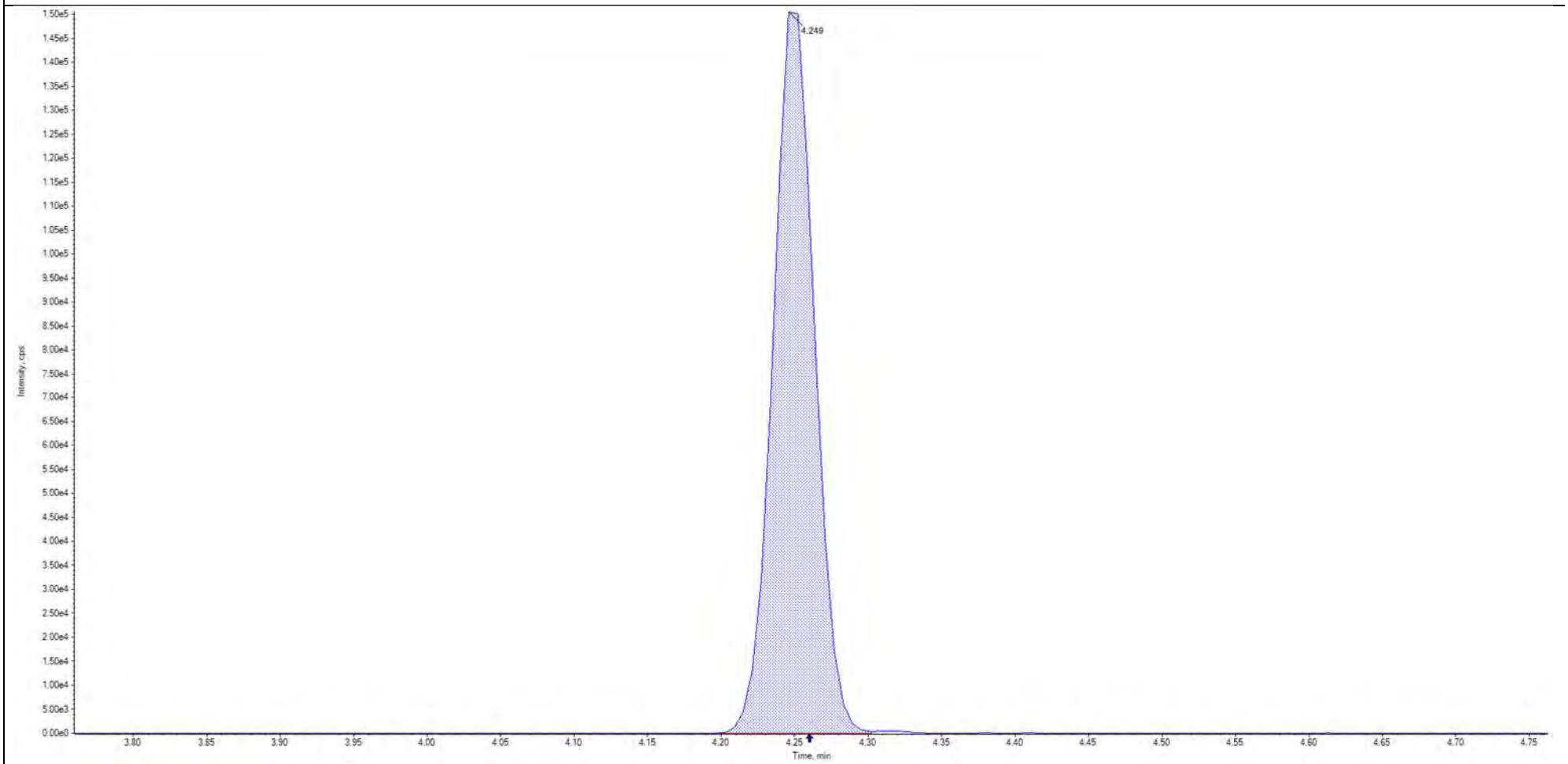
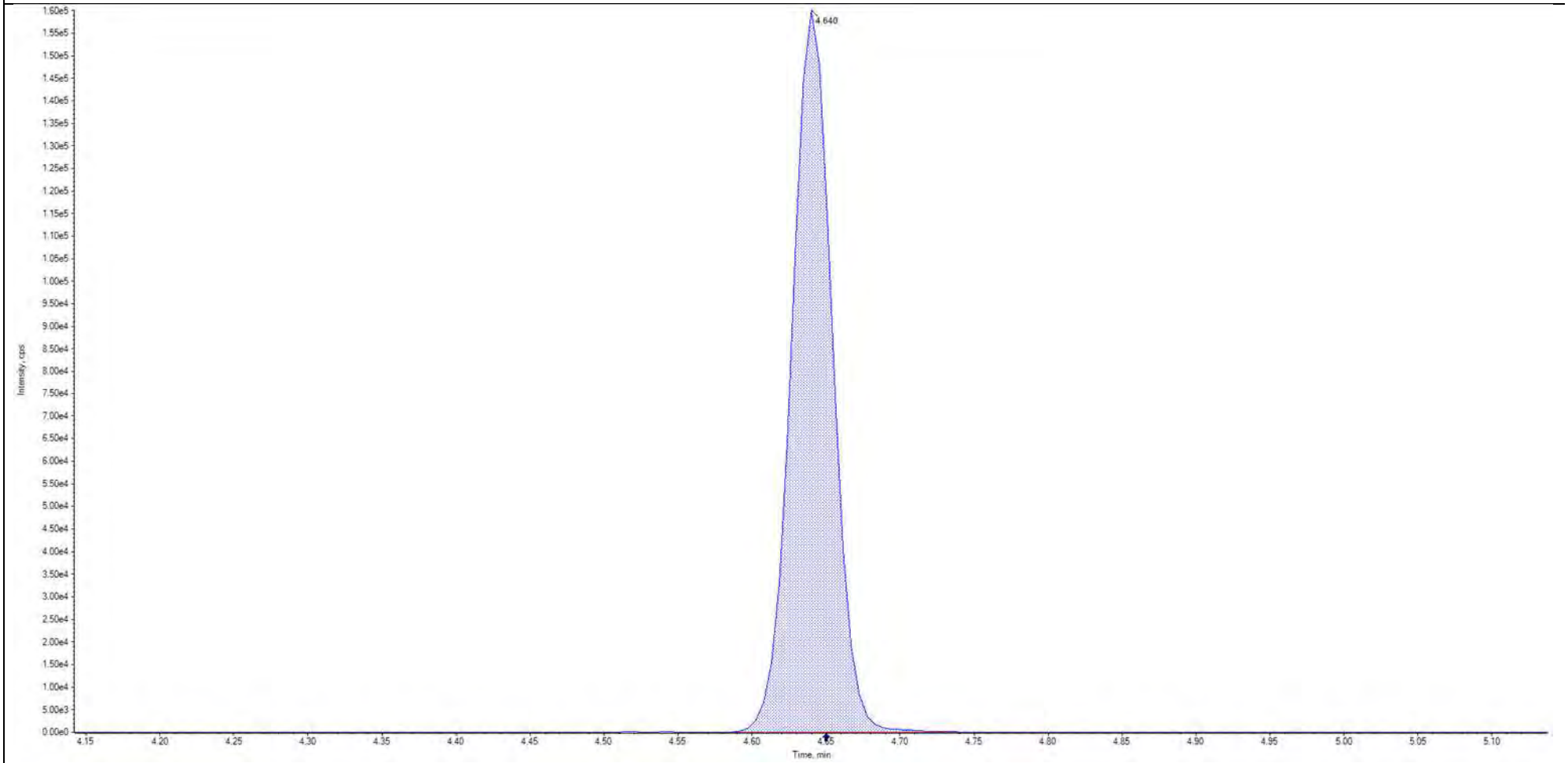
Generated: 3/4/2025 5:58:35 AM

13C7-PFUnA
Sample: CA1633STD-10



13C2-PFDoA
Sample: CA1633STD-10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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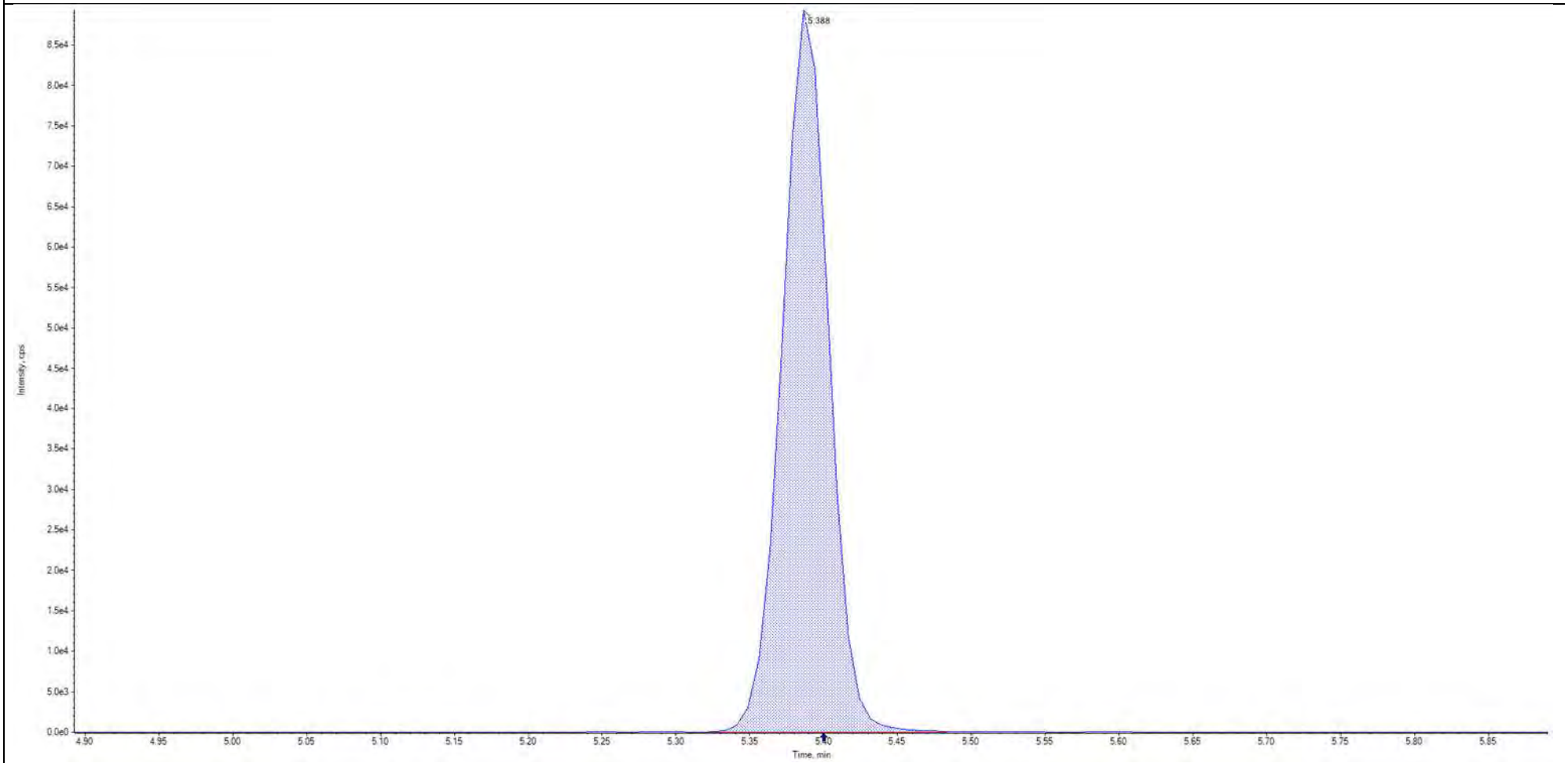
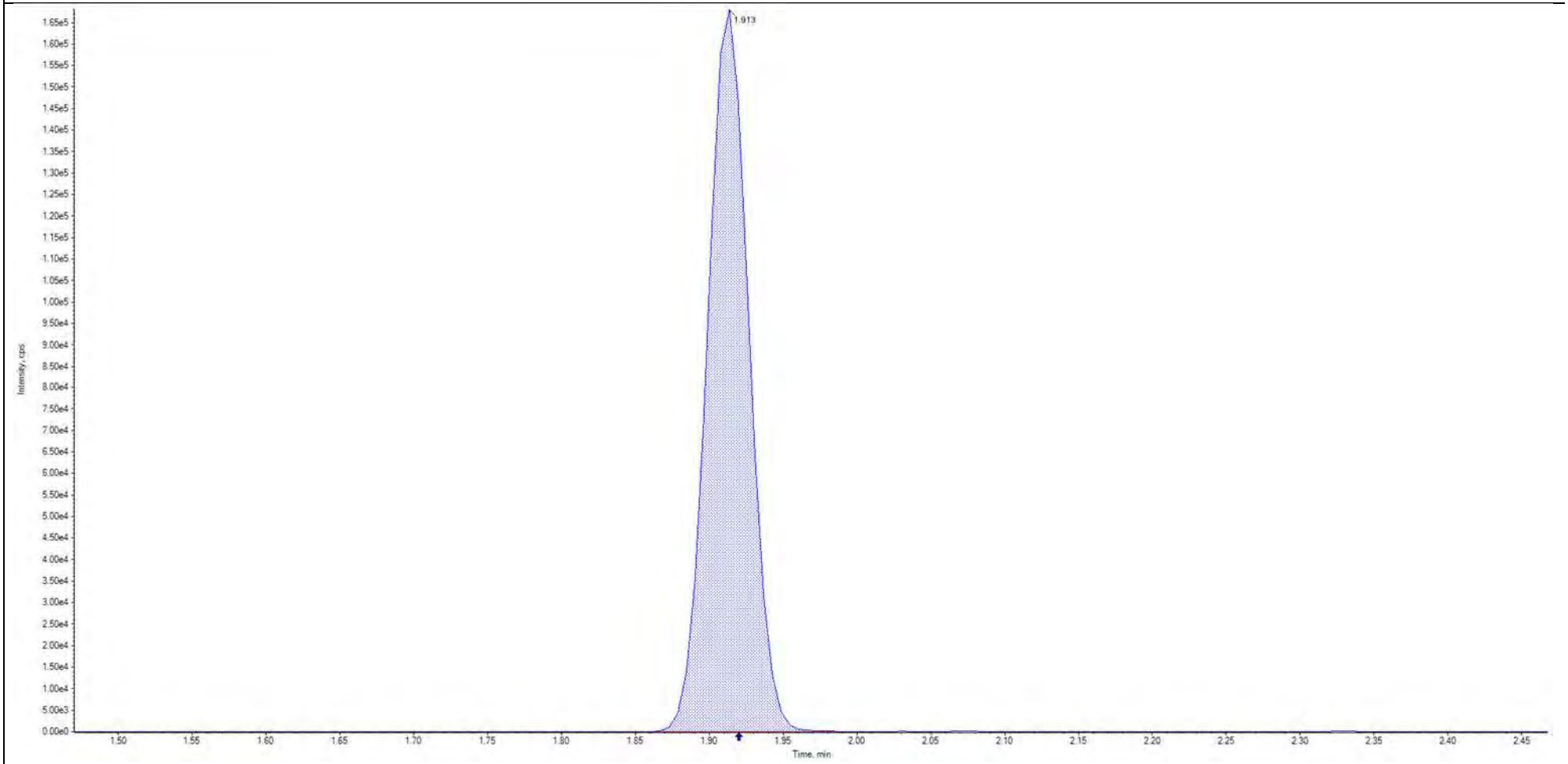
Generated: 3/4/2025 5:58:35 AM

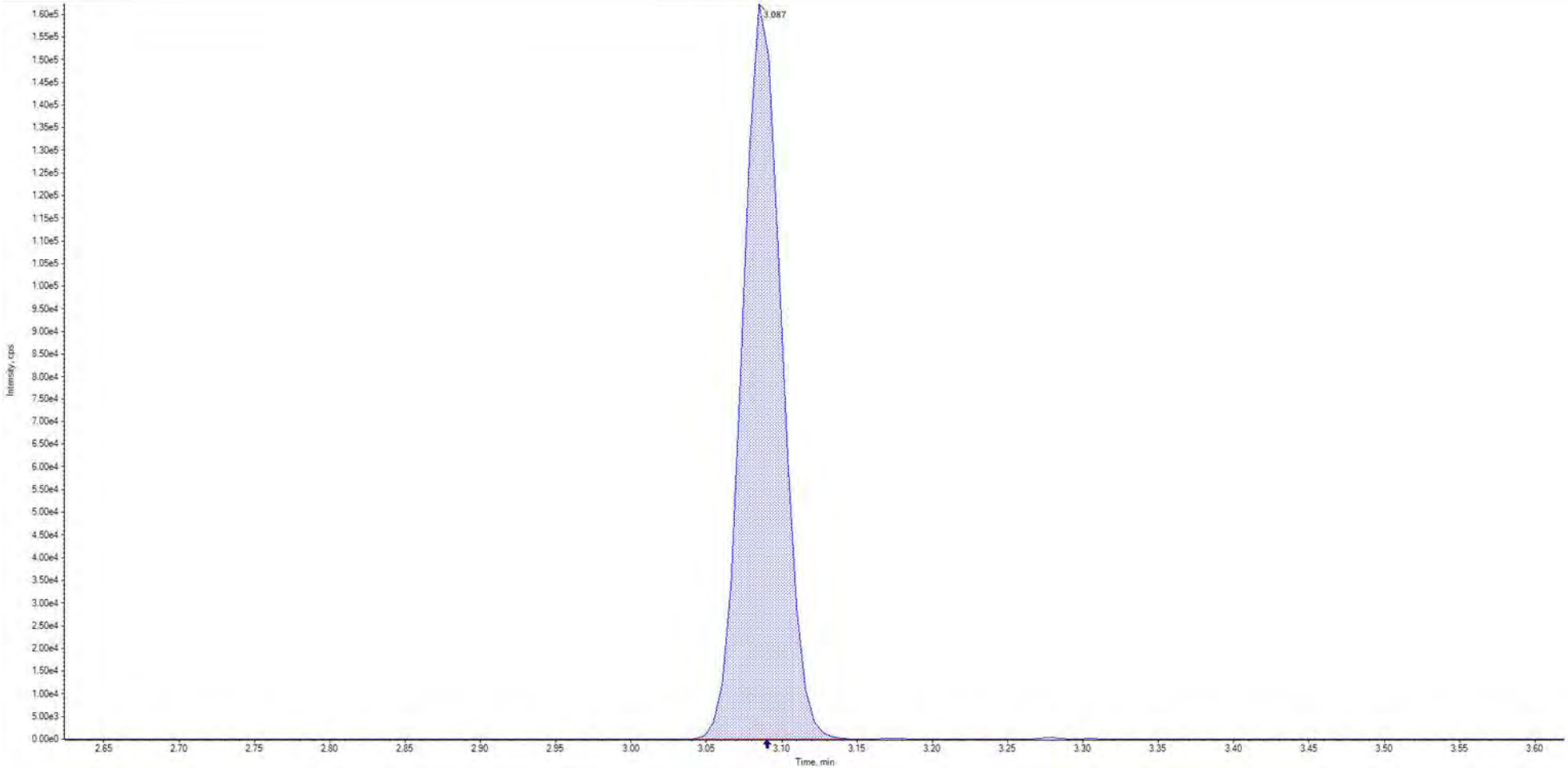
13C2-PFTeDA
Sample: CA1633STD-10



13C3-PFBS
Sample: CA1633STD-10



13C3-PFHxS
Sample: CA1633STD-10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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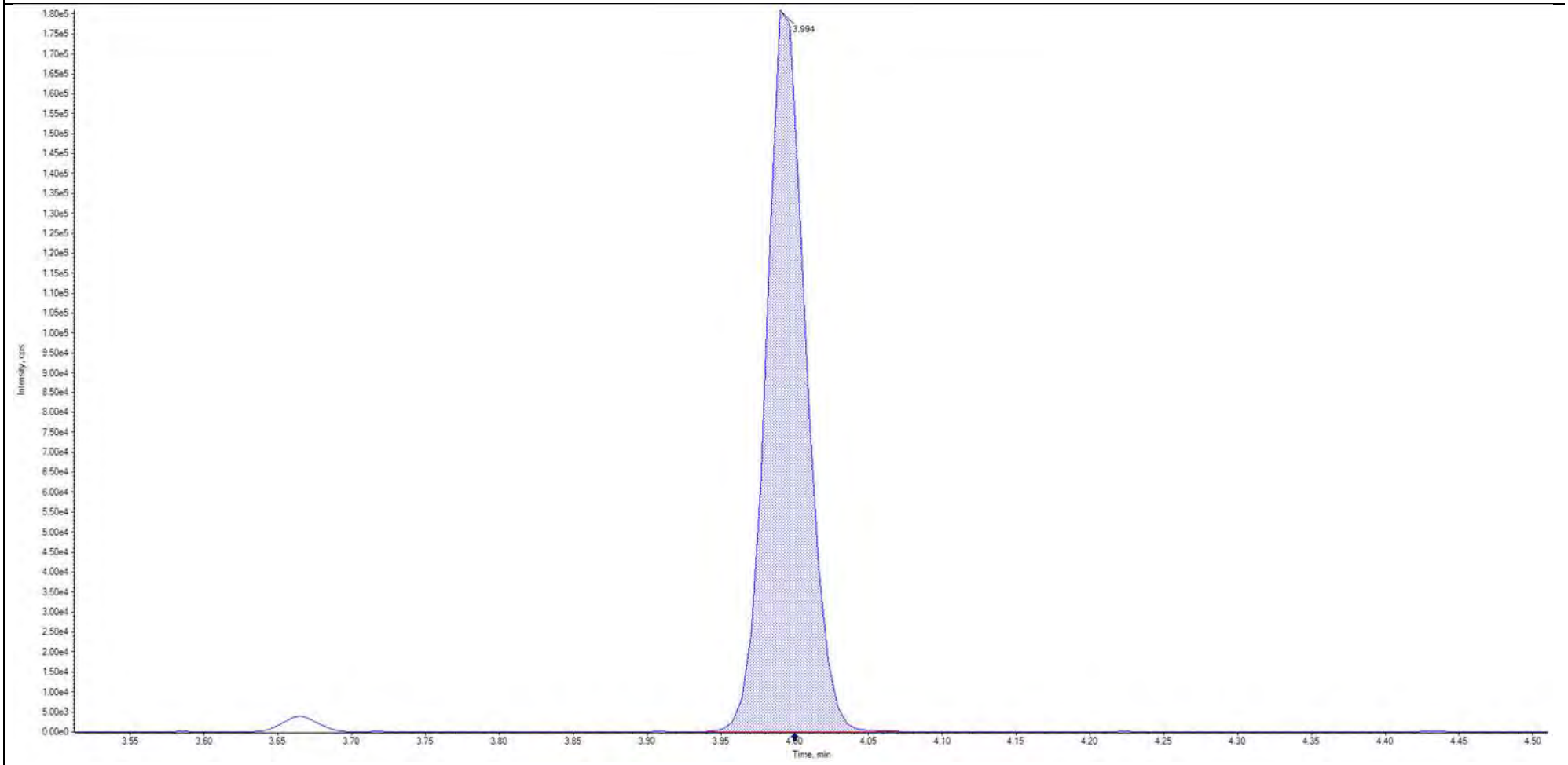
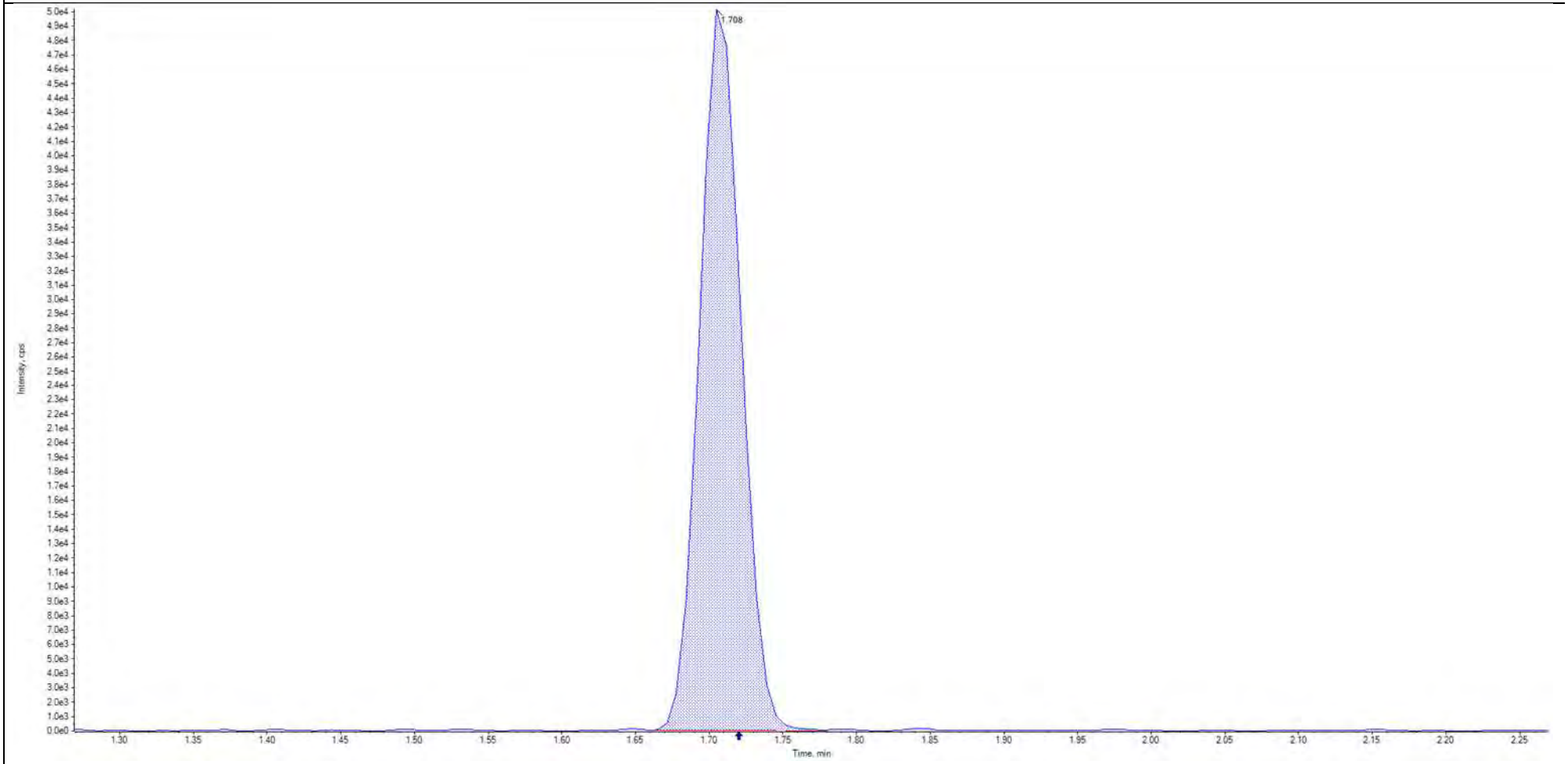
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

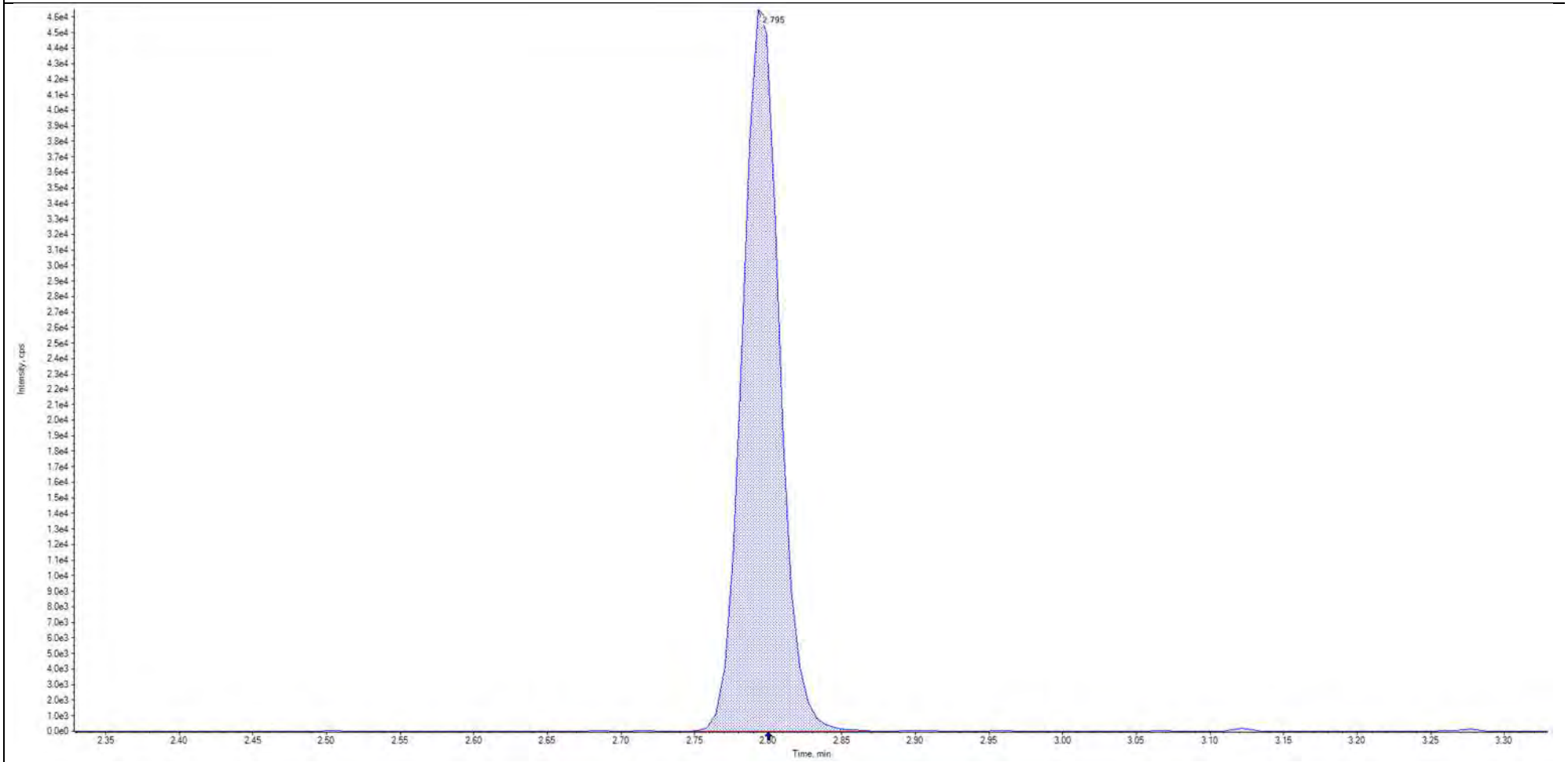
13C8-PFOS
Sample: CA1633STD-10



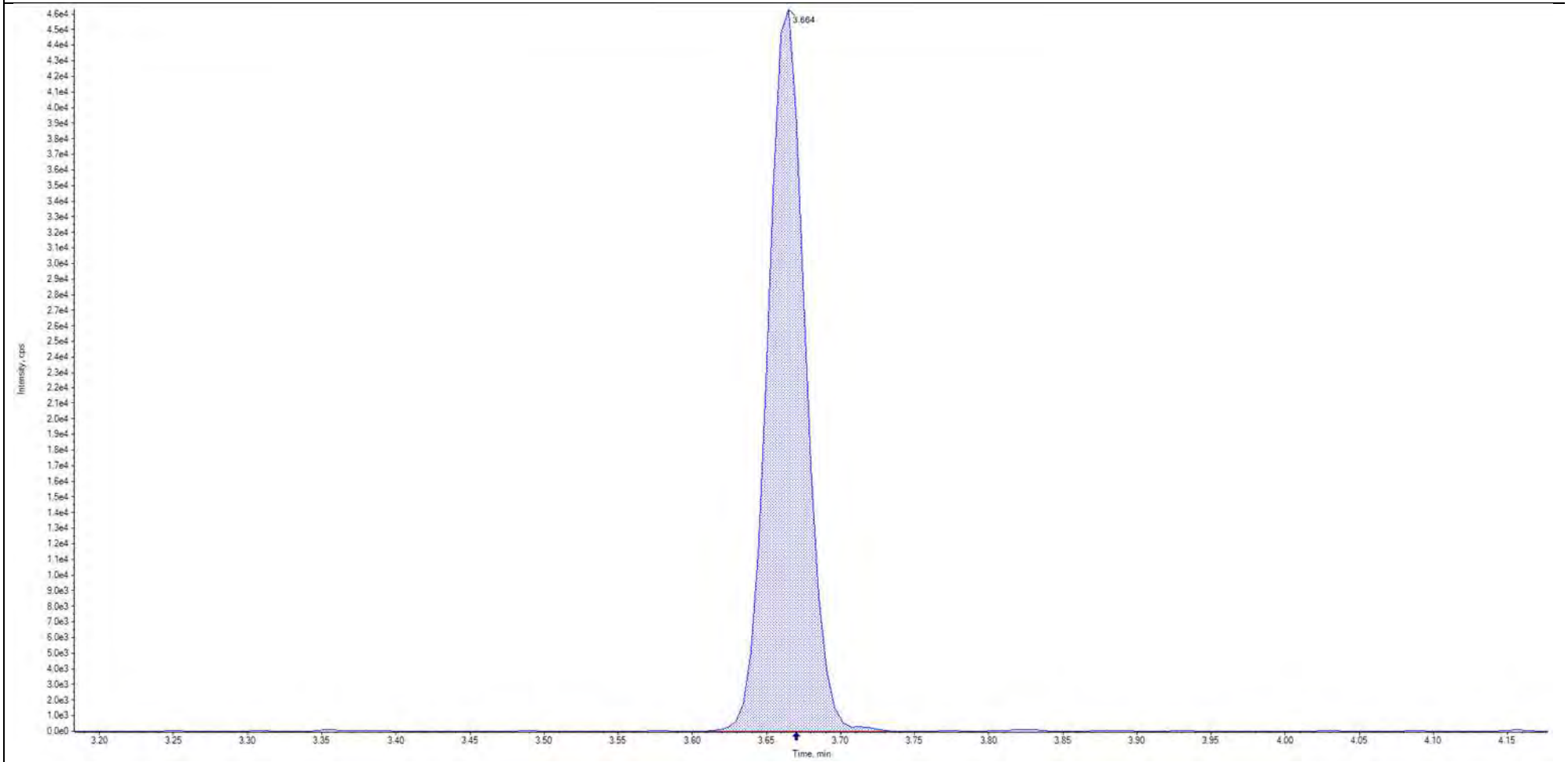
13C2-4:2FTS
Sample: CA1633STD-10



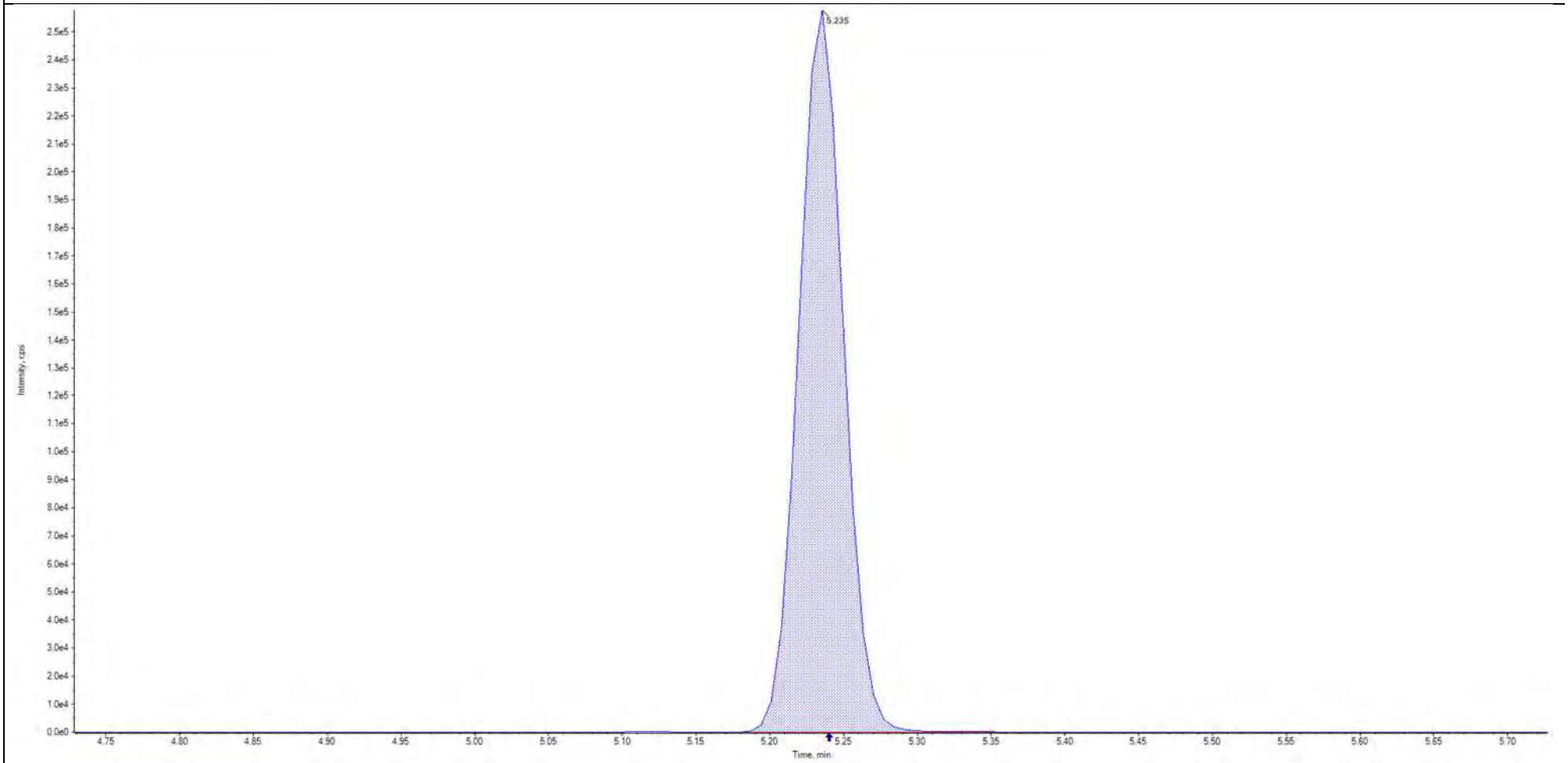
13C2-6:2FTS
Sample: CA1633STD-10



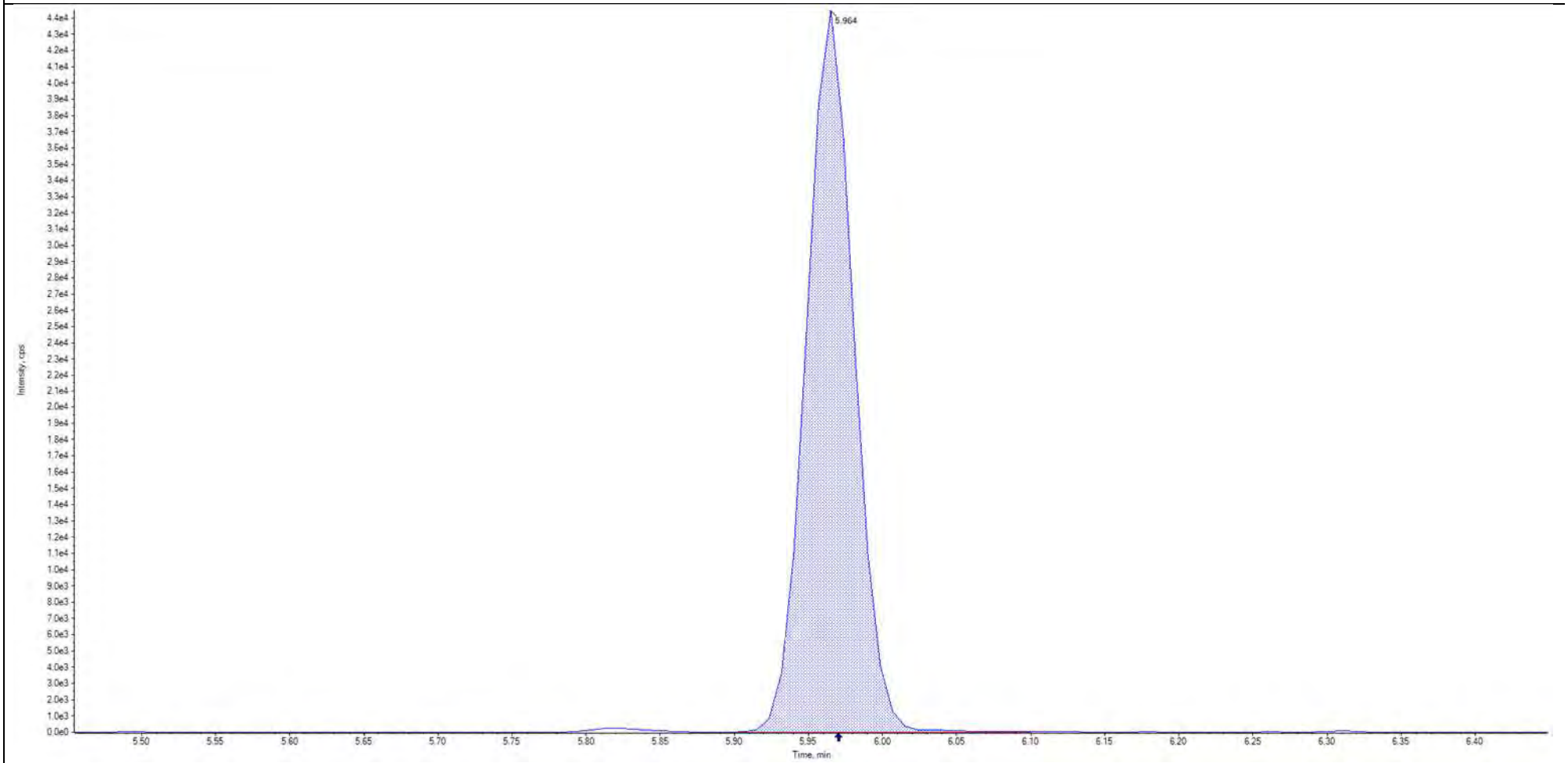
13C2-8:2FTS
Sample: CA1633STD-10



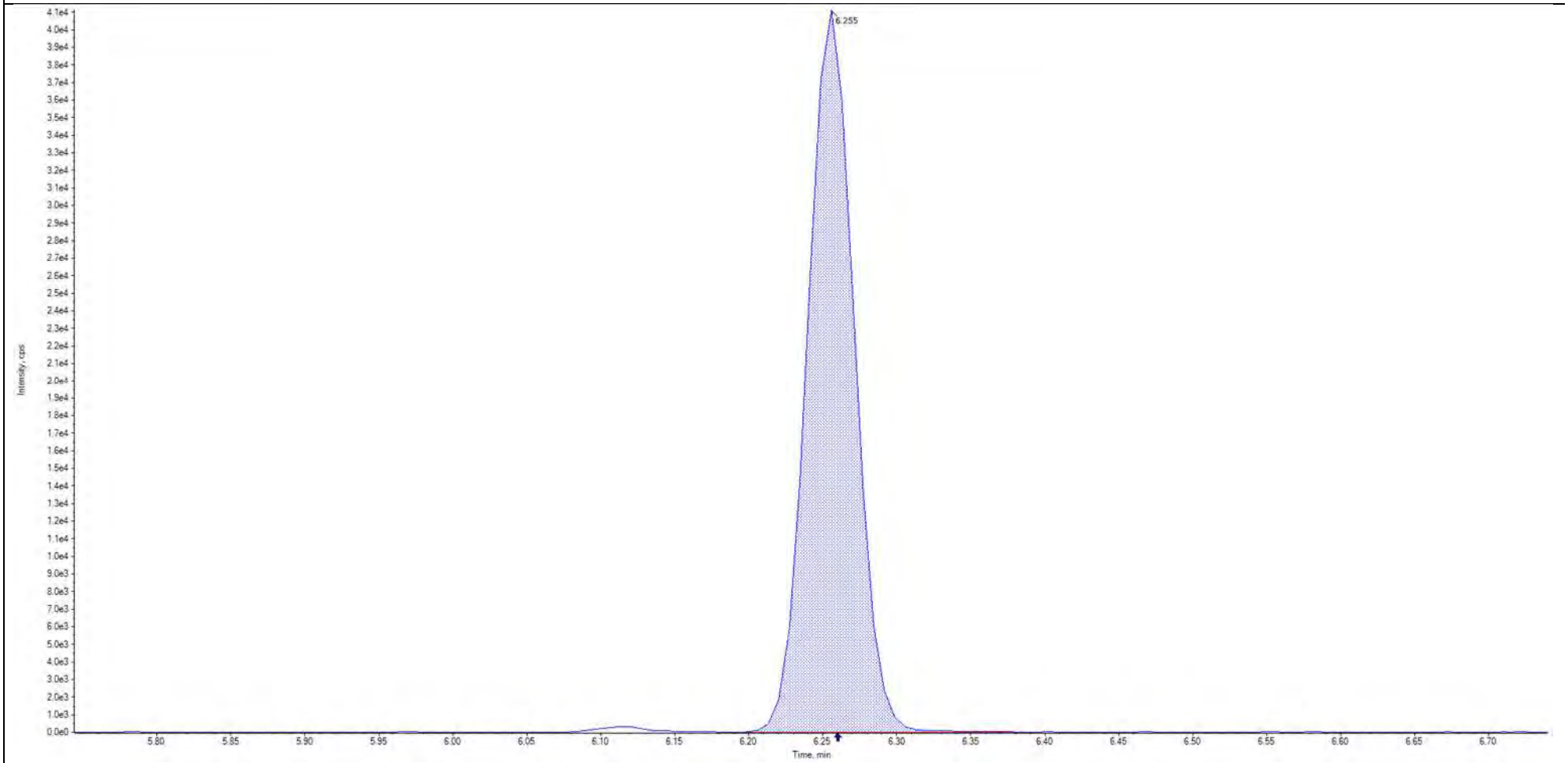
13C8-PFOSA
Sample: CA1633STD-10



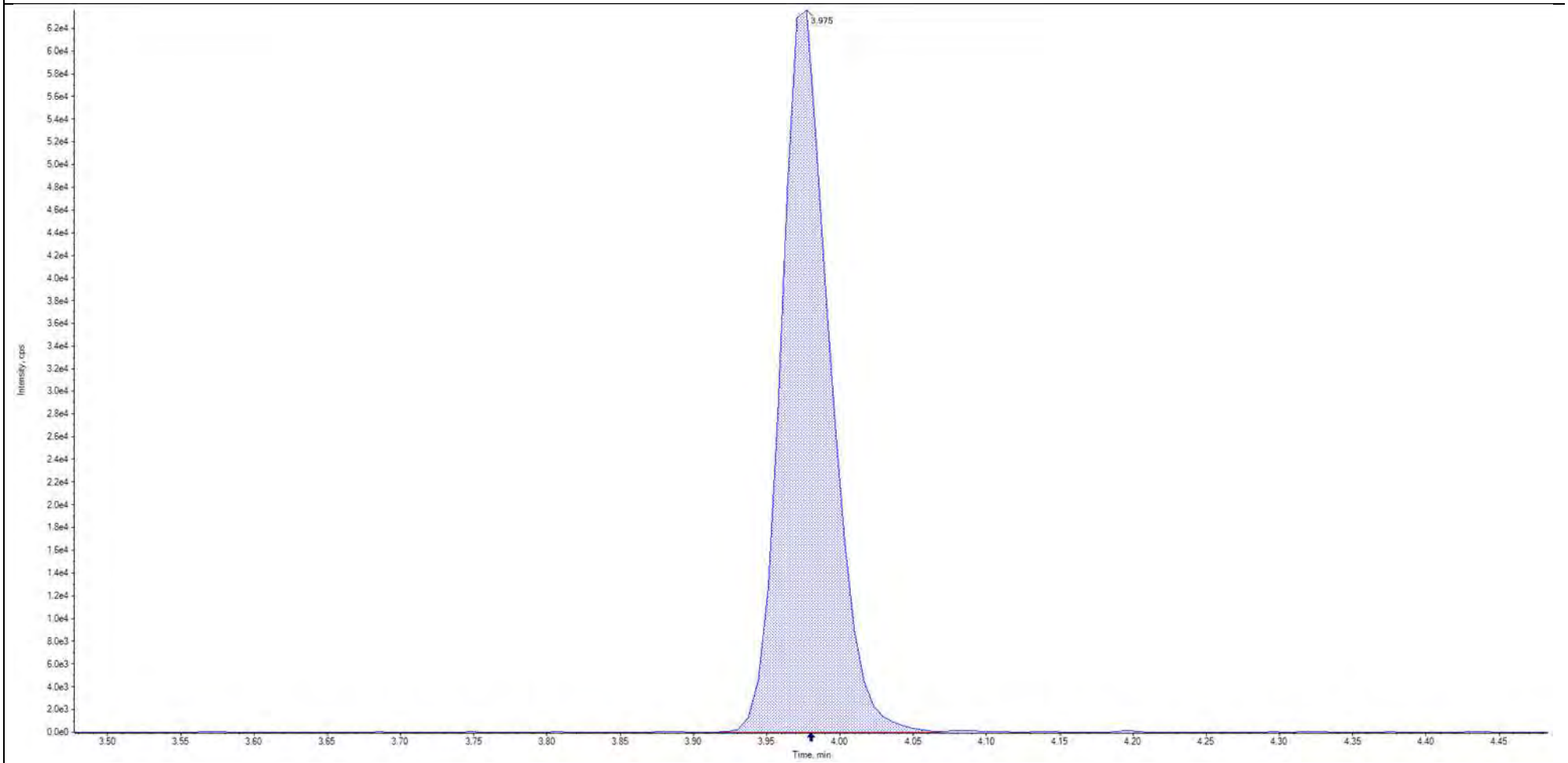
d3-NMeFOSA
Sample: CA1633STD-10



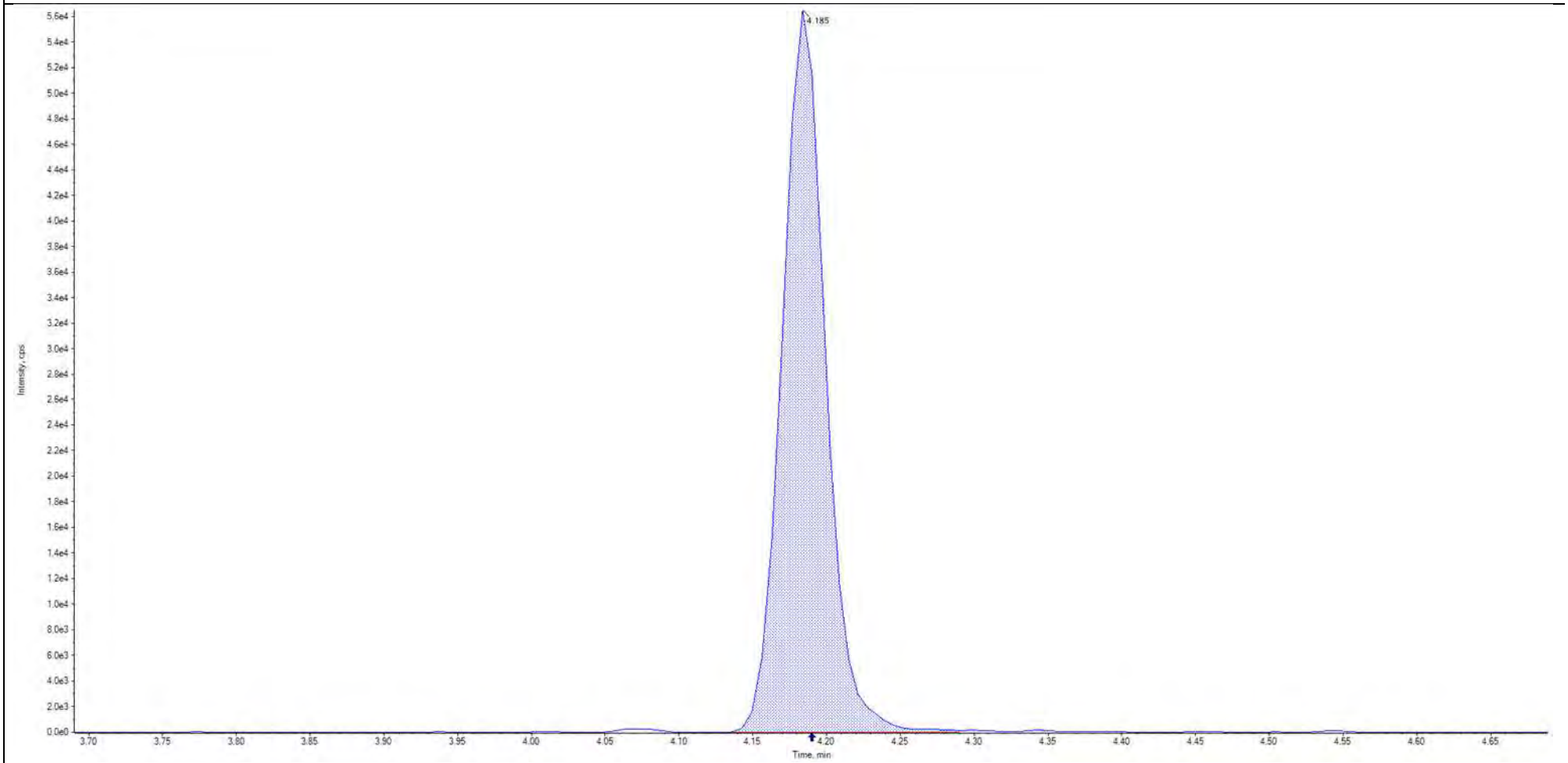
d5-NEtFOSA
Sample: CA1633STD-10



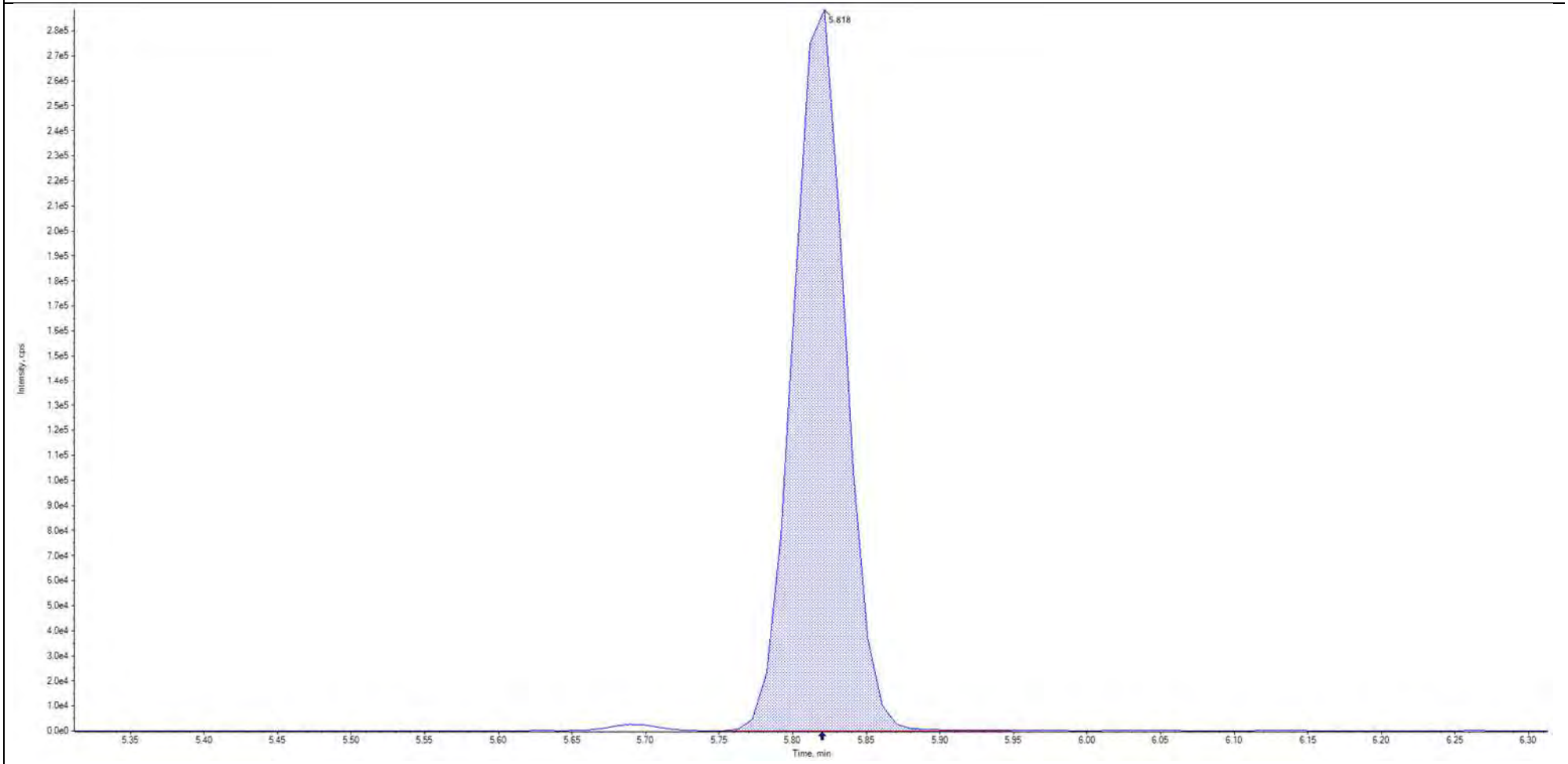
d3-NMeFOSAA
Sample: CA1633STD-10



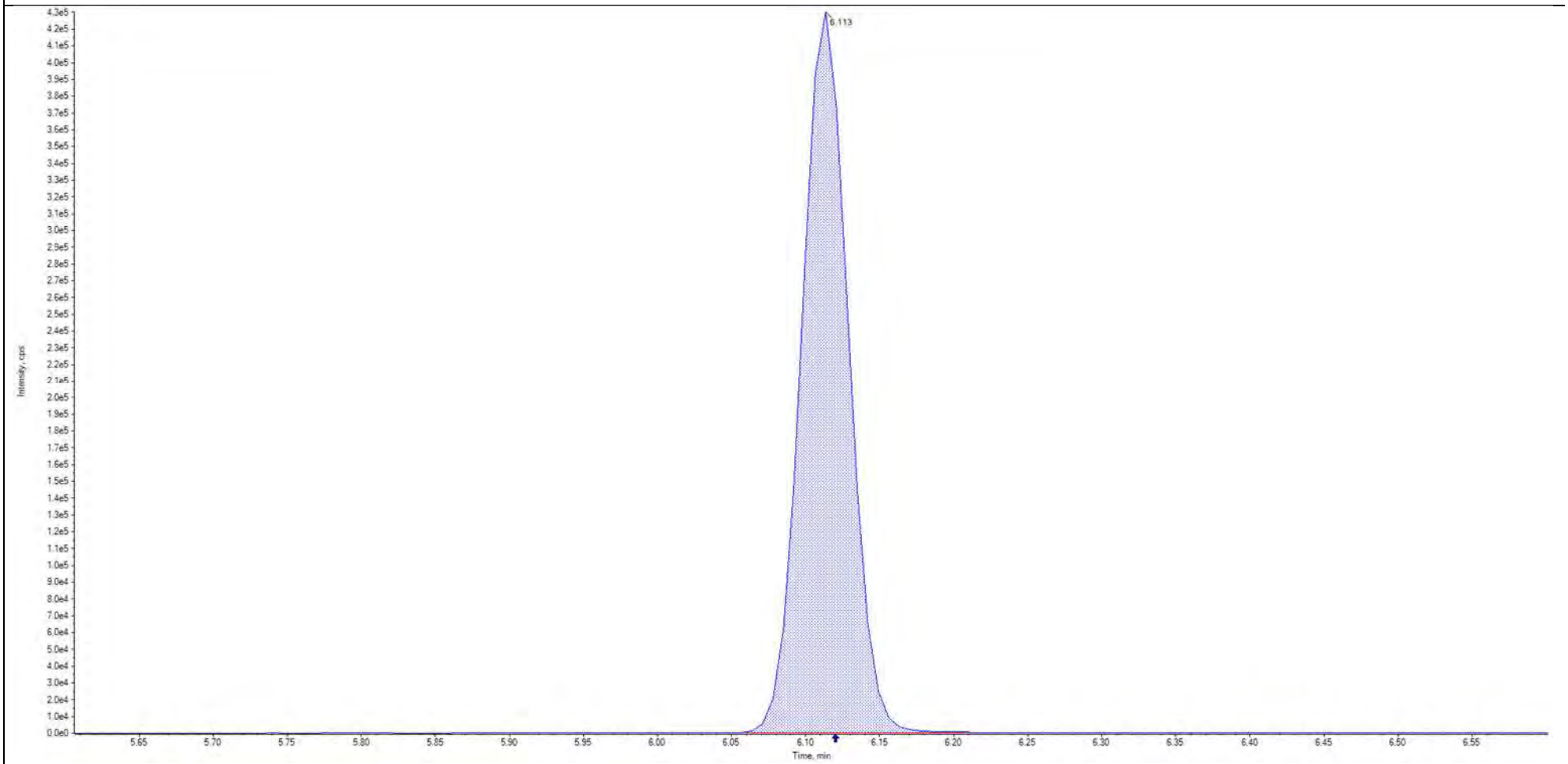
d5-NEtFOSAA
Sample: CA1633STD-10



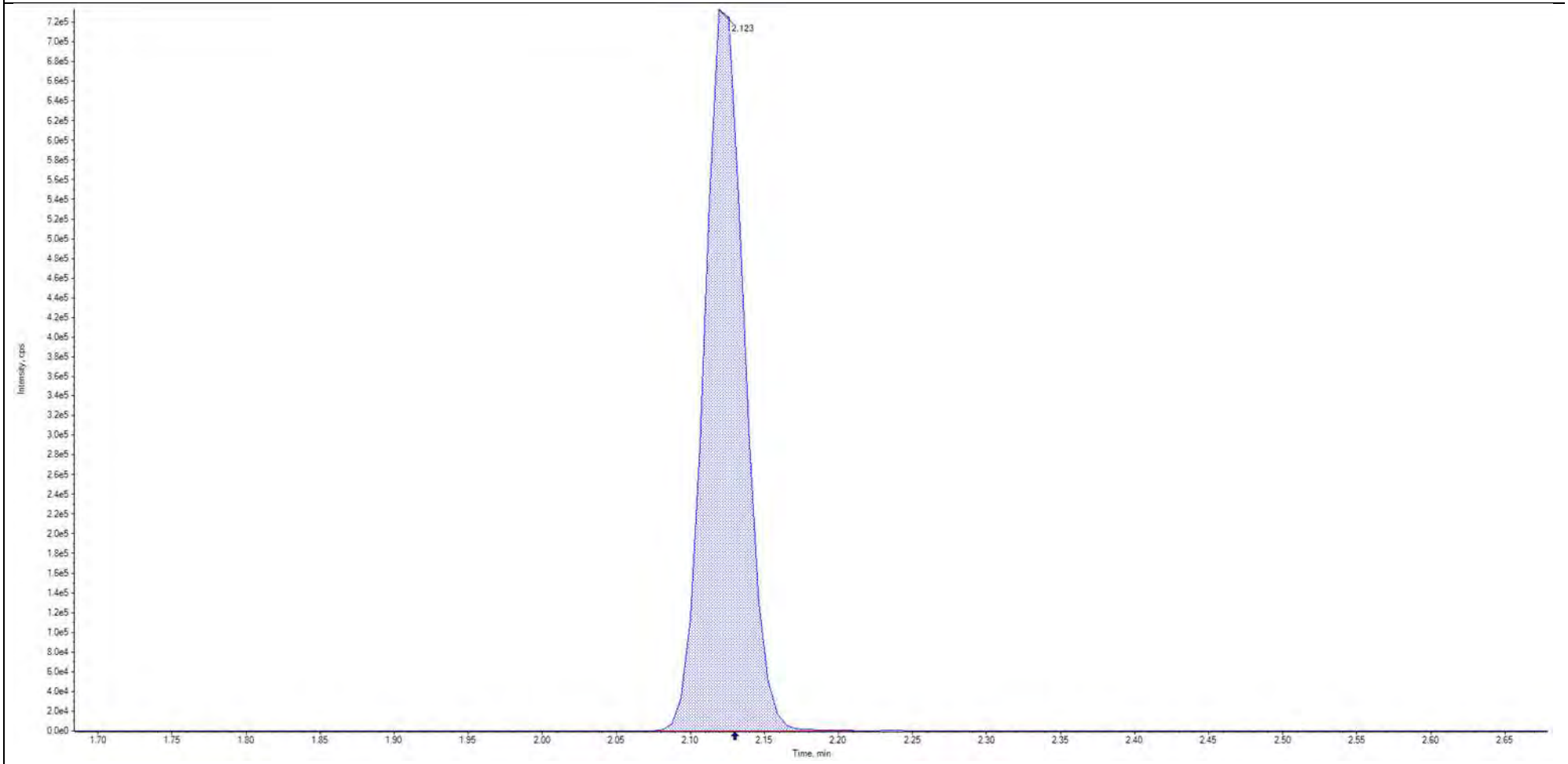
d7-NMeFOSE
Sample: CA1633STD-10



d9-NEtFOSE
Sample: CA1633STD-10

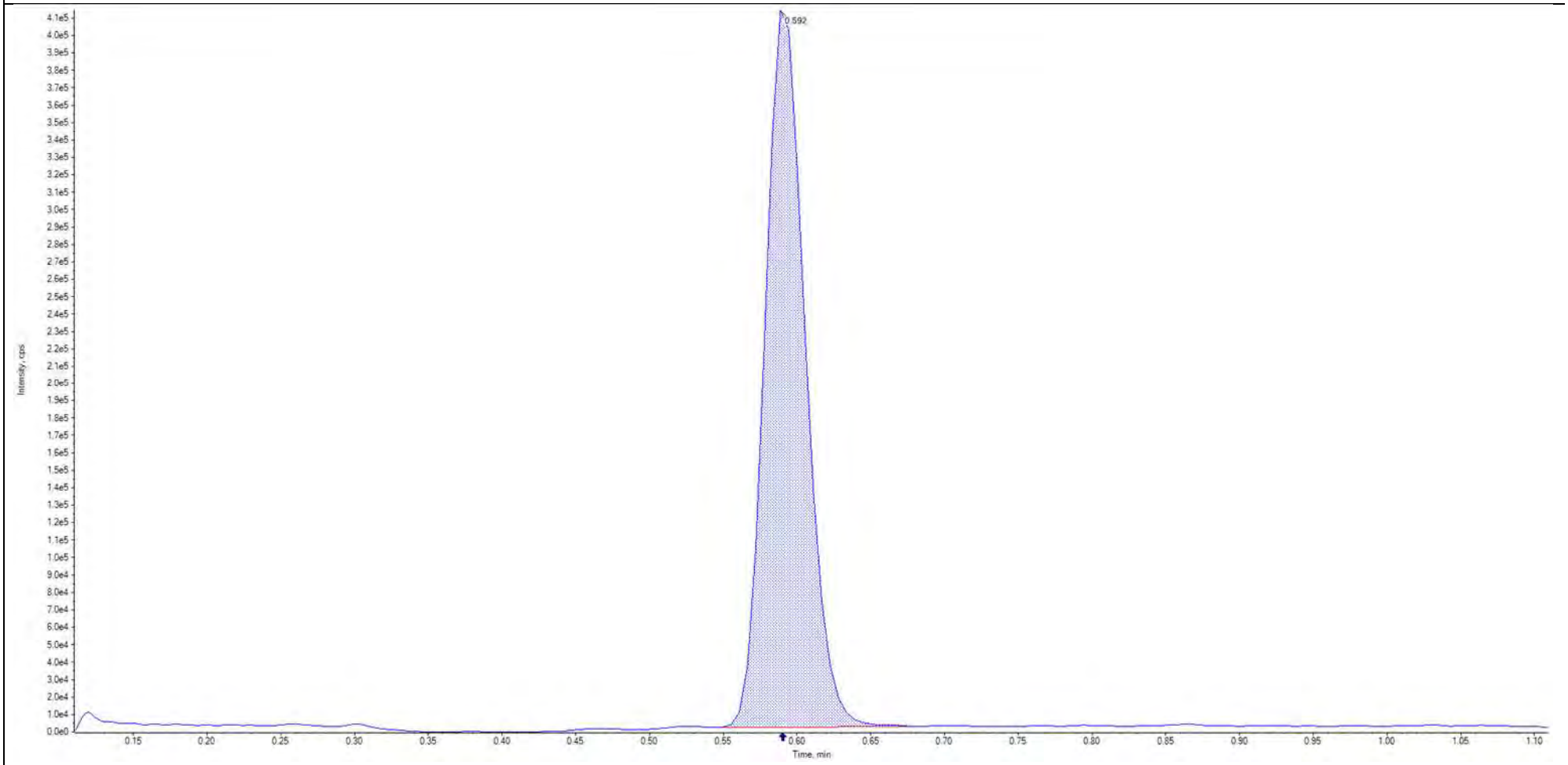


13C3-HFPO-DA
Sample: CA1633STD-10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

13C3-PFBA
Sample: CA1633STD-10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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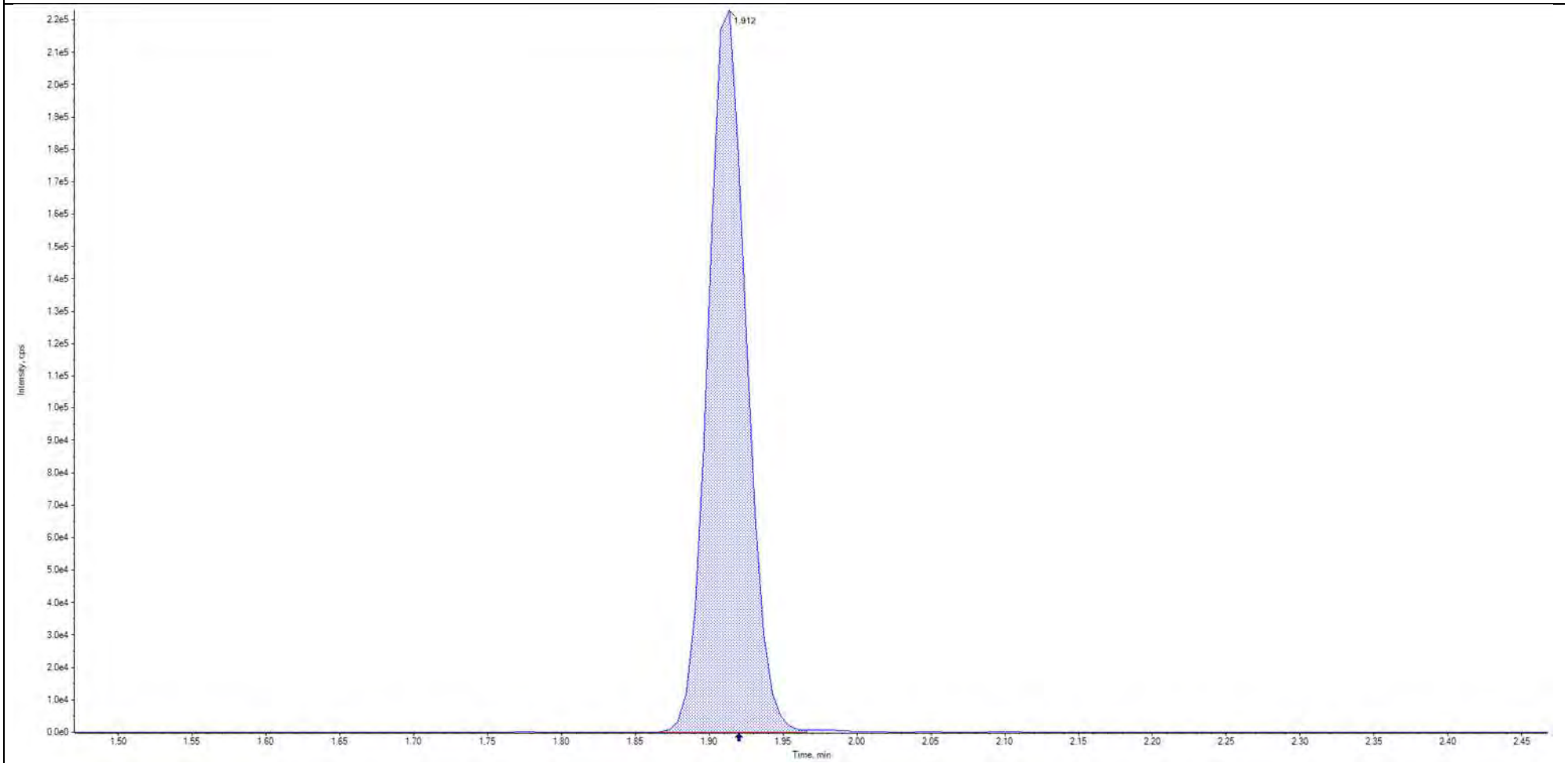
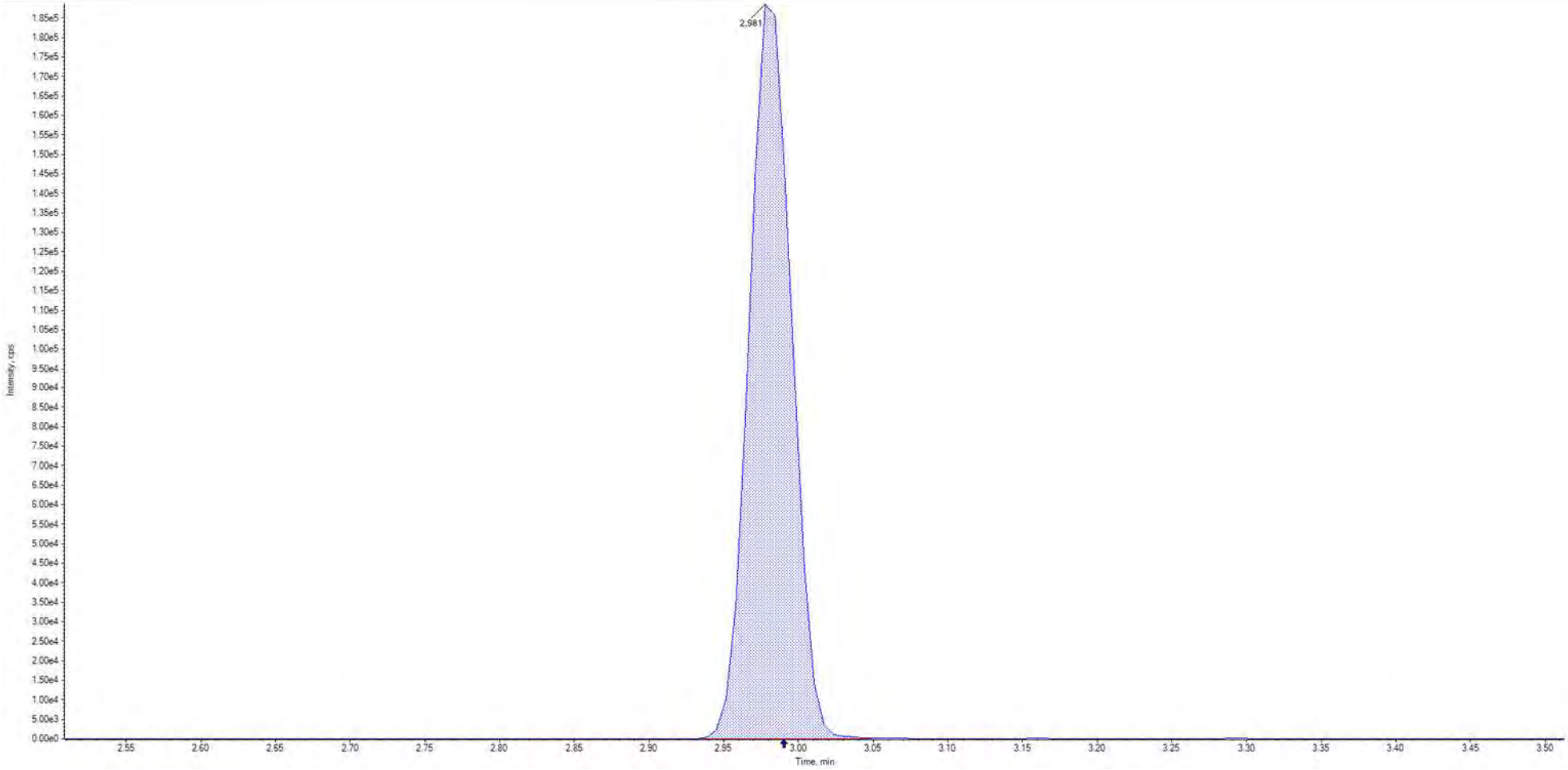
Generated: 3/4/2025 5:58:35 AM

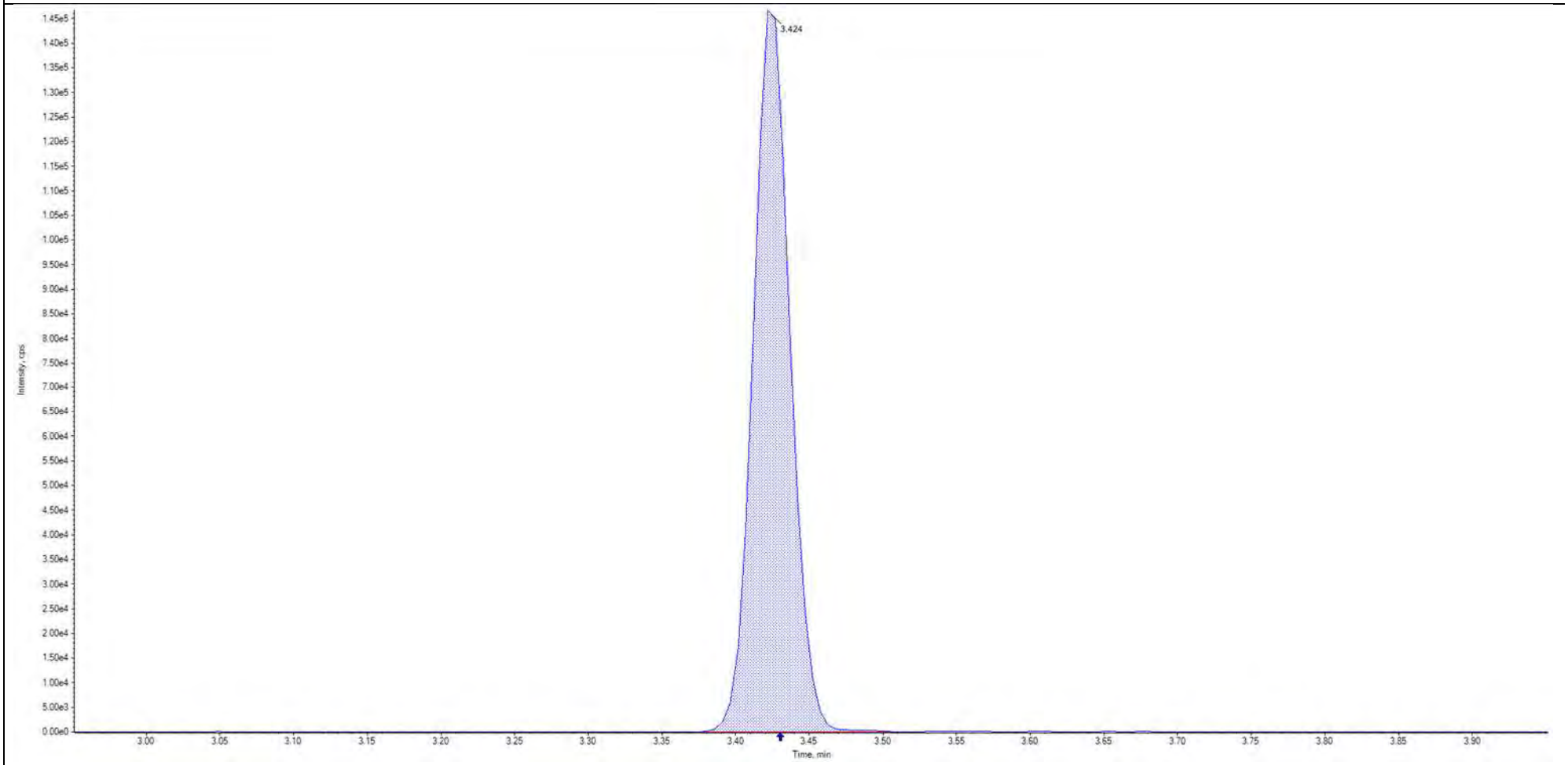
13C2-PFHxA
Sample: CA1633STD-10



13C4-PFOA
Sample: CA1633STD-10



13C5-PFNA
Sample: CA1633STD-10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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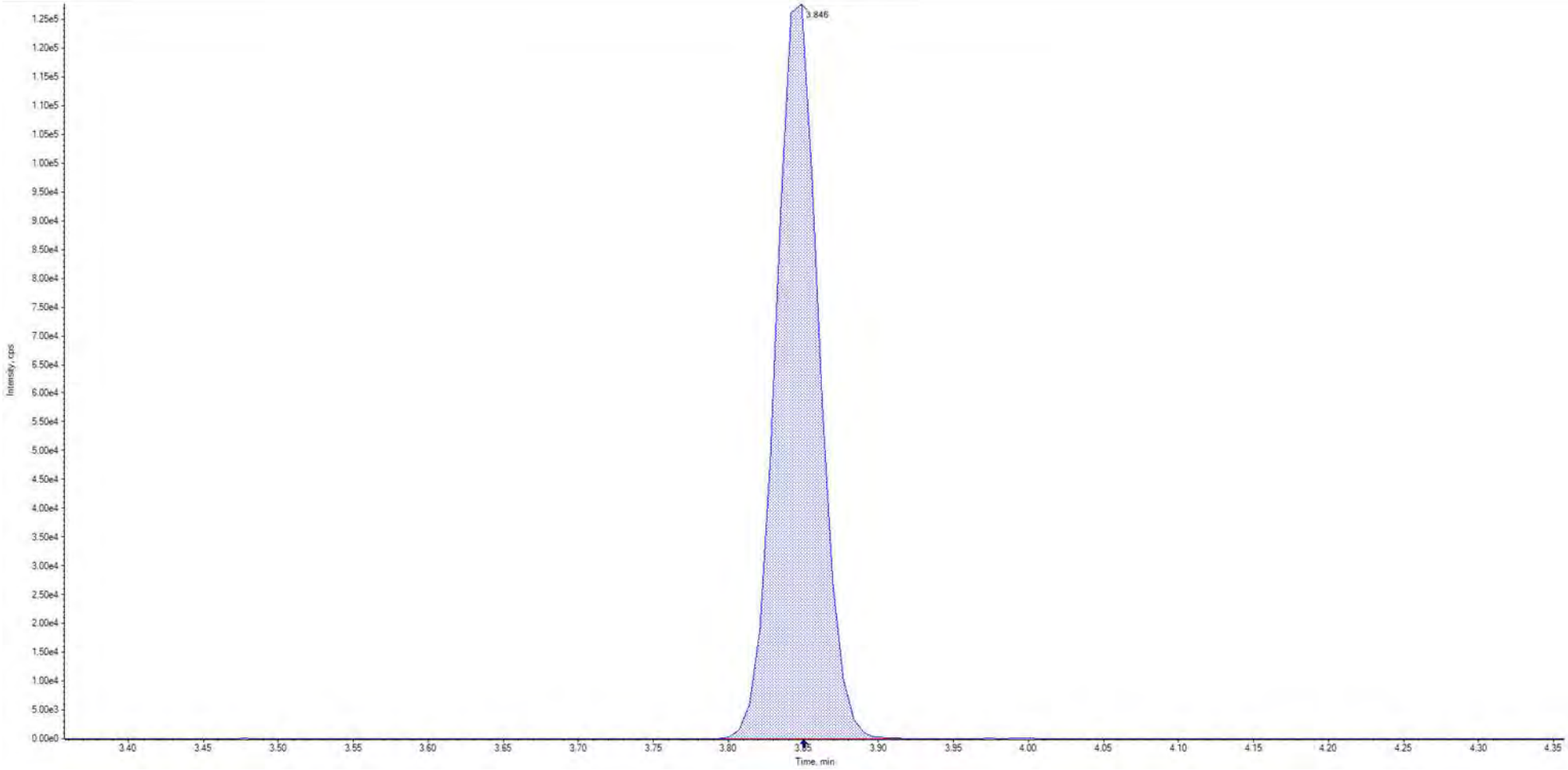
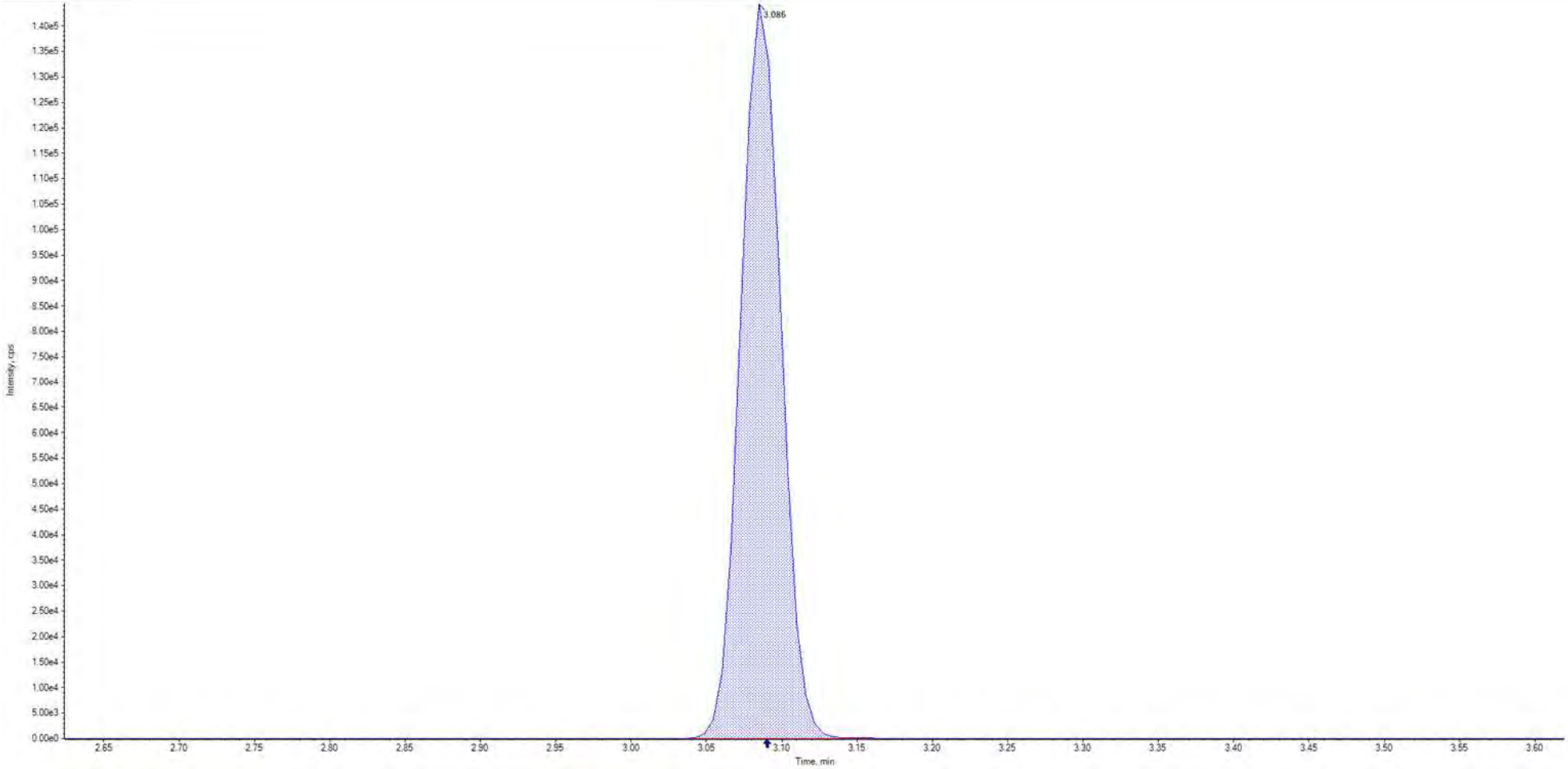
Generated: 3/4/2025 5:58:35 AM

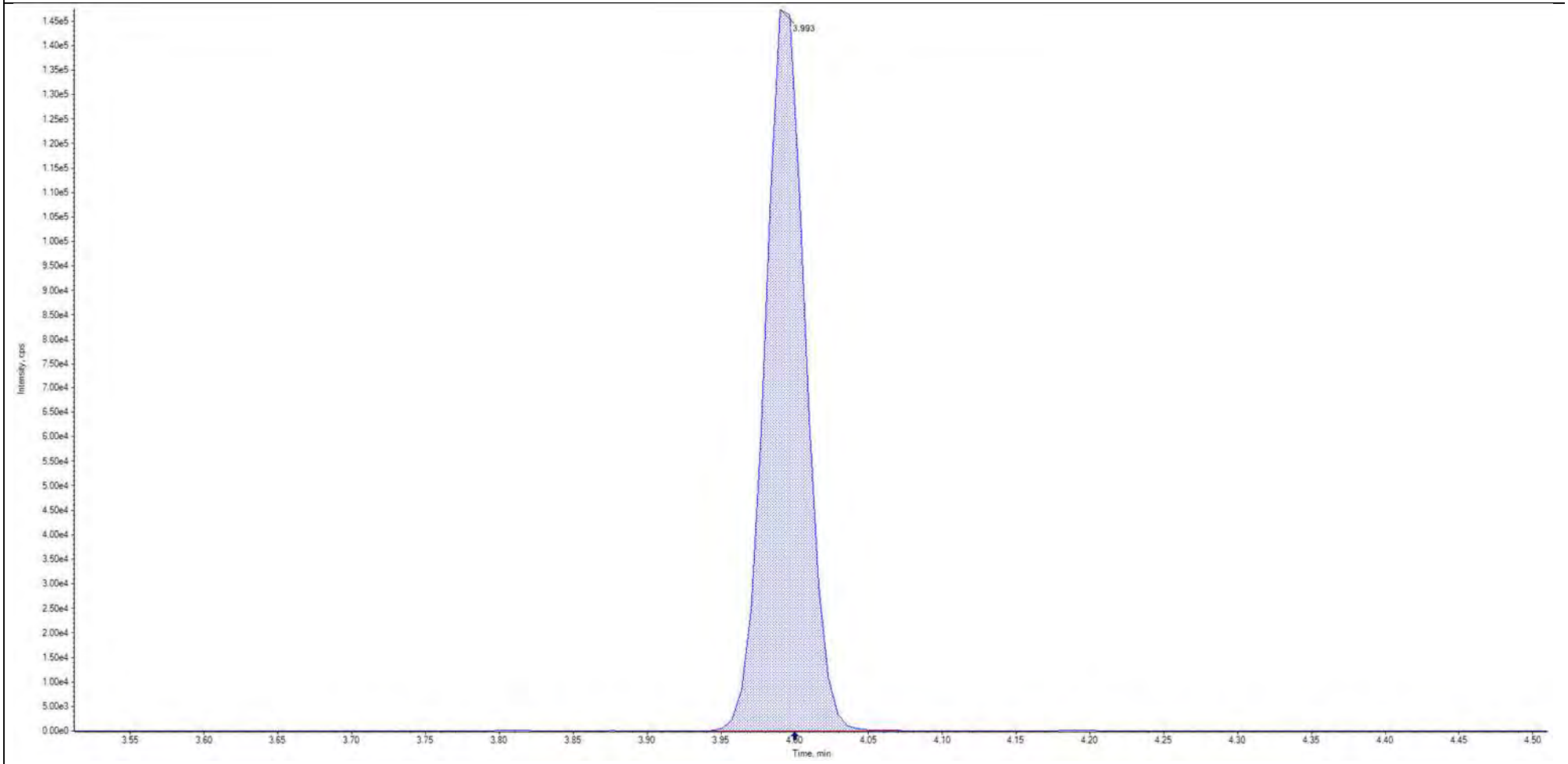
13C2-PFDA
Sample: CA1633STD-10



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\250303\SCI09_250303_33.wiff2_3
Last Altered: 3/4/2025 10:08:00 AM
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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\250303\SCI09_250303_26.wiff2_4
Last Altered: 3/4/2025 7:01:43 AM
Generated: 3/4/2025 5:58:35 AM

Method: EPA1633F_250303.qmethod
Calibration: 250303_1633_ICAL

ID: WG2035972-1,BSICS
Name: SCI09_250303_26.wiff2
Date & Time: 2025-03-03T15:17:32
Description: WG2035972,,EPA1633F_250303_CAL_L5
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 76 | TDCA | RT +/- PFOS | 1.34 | 499.1 / 124.1 | 1993257 | | 10.000 | 5.680 | 5.680 | Pass | 100.0 |
| 77 | TDCA_2 | RT +/- PFOS | 1.34 | 499.1 / 79.9 | 11320857 | | 10.000 | 5.680 | 5.680 | Pass | 100.0 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C4-PFBA | EIS | 0.60 | 217.0 / 172.0 | 1893182 | | 9.925 | NA | NA | NA | 99.2 |
| | 13C5-PFPeA | EIS | 1.18 | 268.0 / 223.0 | 815409 | | 4.751 | NA | NA | NA | 95.0 |

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| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C5-PFHxA | EIS | 1.92 | 318.0 / 273.0 | 373194 | | 2.313 | NA | NA | NA | 92.5 |
| | 13C4-PFHpA | EIS | 2.50 | 367.0 / 322.0 | 383347 | | 2.463 | NA | NA | NA | 98.5 |
| | 13C8-PFOA | EIS | 2.99 | 420.8 / 376.0 | 619864 | | 2.352 | NA | NA | NA | 94.1 |
| | 13C9-PFNA | EIS | 3.43 | 472.0 / 427.0 | 267518 | | 1.165 | NA | NA | NA | 93.2 |
| | 13C6-PFDA | EIS | 3.85 | 519.0 / 474.0 | 303509 | | 1.169 | NA | NA | NA | 93.6 |
| | 13C7-PFUnA | EIS | 4.26 | 570.0 / 525.0 | 344649 | | 1.203 | NA | NA | NA | 96.3 |
| | 13C2-PFDoA | EIS | 4.65 | 615.1 / 570.0 | 339869 | | 1.180 | NA | NA | NA | 94.4 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C2-PFTeDA | EIS | 5.40 | 715.1 / 670.1 | 227851 | | 1.219 | NA | NA | NA | 97.6 |
| | 13C3-PFBS | EIS | 1.92 | 302.1 / 80.1 | 383340 | | 2.189 | NA | NA | NA | 94.0 |
| | 13C3-PFHxS | EIS | 3.09 | 402.1 / 80.1 | 341511 | | 2.194 | NA | NA | NA | 92.6 |
| | 13C8-PFOS | EIS | 4.00 | 507.1 / 80.1 | 375974 | | 2.474 | NA | NA | NA | 103.1 |
| | 13C2-4:2FTS | EIS | 1.72 | 329.1 / 81.1 | 106752 | | 4.134 | NA | NA | NA | 88.1 |
| | 13C2-6:2FTS | EIS | 2.80 | 429.2 / 81.1 | 98255 | | 4.419 | NA | NA | NA | 92.8 |
| | 13C2-8:2FTS | EIS | 3.67 | 529.2 / 81.1 | 95058 | | 4.223 | NA | NA | NA | 88.0 |
| | 13C8-PFOSA | EIS | 5.24 | 506.1 / 78.1 | 605958 | | 2.512 | NA | NA | NA | 100.5 |

| Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| d3-NMeFOSA | EIS | 5.97 | 515.2 / 219.0 | 112380 | | 2.580 | NA | NA | NA | 103.2 |
| d5-NEtFOSA | EIS | 6.26 | 531.2 / 219.0 | 102844 | | 2.596 | NA | NA | NA | 103.9 |
| d3-NMeFOSAA | EIS | 3.98 | 573.2 / 419.1 | 173229 | | 5.812 | NA | NA | NA | 116.2 |
| d5-NEtFOSAA | EIS | 4.19 | 589.3 / 419.1 | 117302 | | 4.925 | NA | NA | NA | 98.5 |
| d7-NMeFOSE | EIS | 5.82 | 623.2 / 58.9 | 811391 | | 25.897 | NA | NA | NA | 103.6 |
| d9-NEtFOSE | EIS | 6.12 | 639.2 / 58.9 | 1081459 | | 25.731 | NA | NA | NA | 102.9 |
| 13C3-HFPO-DA | EIS | 2.13 | 287.0 / 169.0 | 1620896 | | 9.497 | NA | NA | NA | 95.0 |

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| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C3-PFBA | NIS | 0.59 | 216.0 / 172.0 | 844058 | | 5.824 | NA | NA | NA | 116.5 |
| | 13C2-PFHxA | NIS | 1.92 | 315.0 / 270.0 | 475130 | | 2.932 | NA | NA | NA | 117.3 |
| | 13C4-PFOA | NIS | 2.99 | 417.0 / 372.0 | 400543 | | 2.786 | NA | NA | NA | 111.4 |
| | 13C5-PFNA | NIS | 3.43 | 468.0 / 423.0 | 287712 | | 1.396 | NA | NA | NA | 111.7 |
| | 13C2-PFDA | NIS | 3.85 | 515.1 / 470.1 | 302924 | | 1.425 | NA | NA | NA | 114.0 |
| | 18O2-PFHxS | NIS | 3.09 | 403.1 / 84.1 | 327303 | | 2.780 | NA | NA | NA | 117.3 |
| | 13C4-PFOS | NIS | 4.00 | 503.1 / 80.1 | 305674 | | 2.543 | NA | NA | NA | 105.9 |

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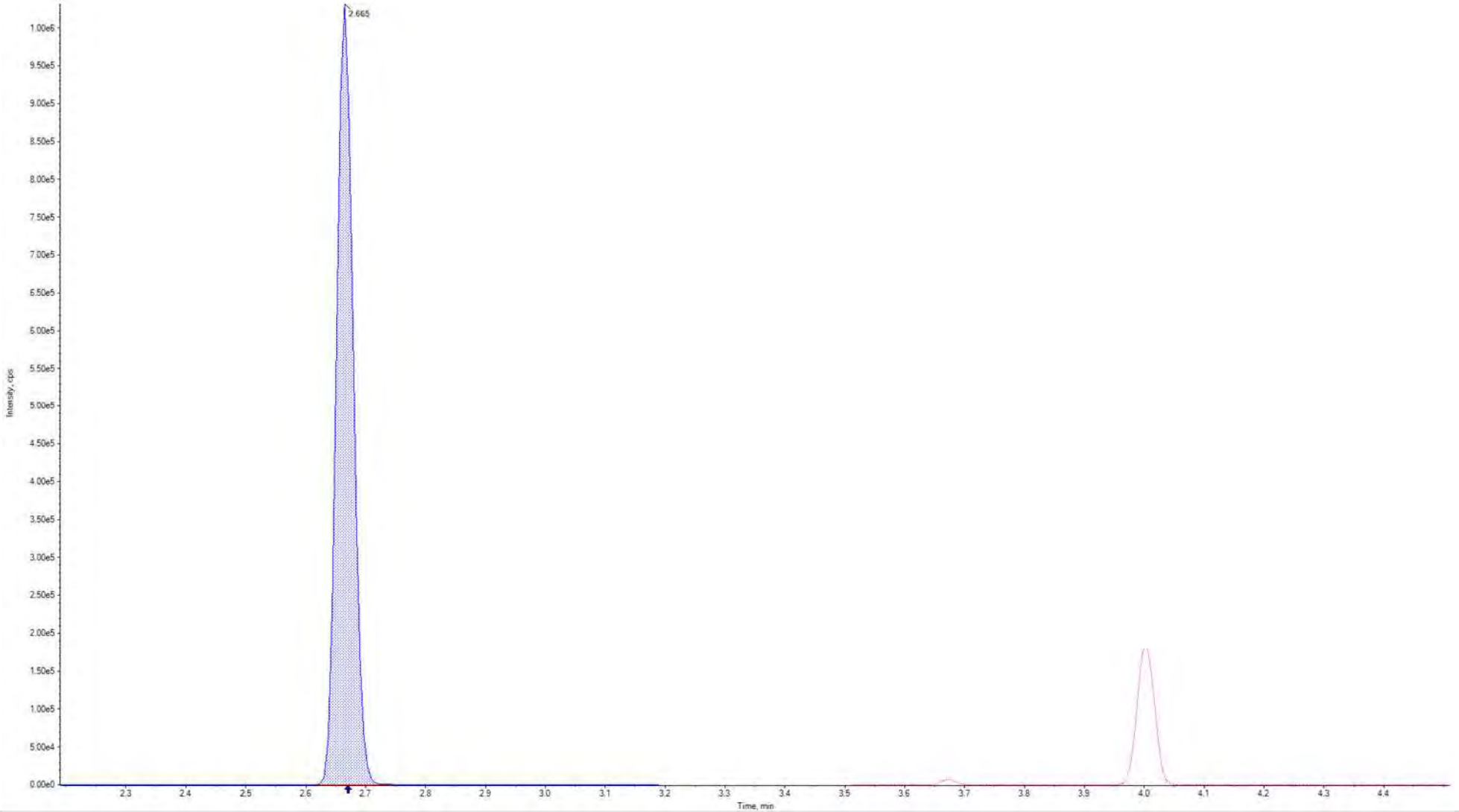
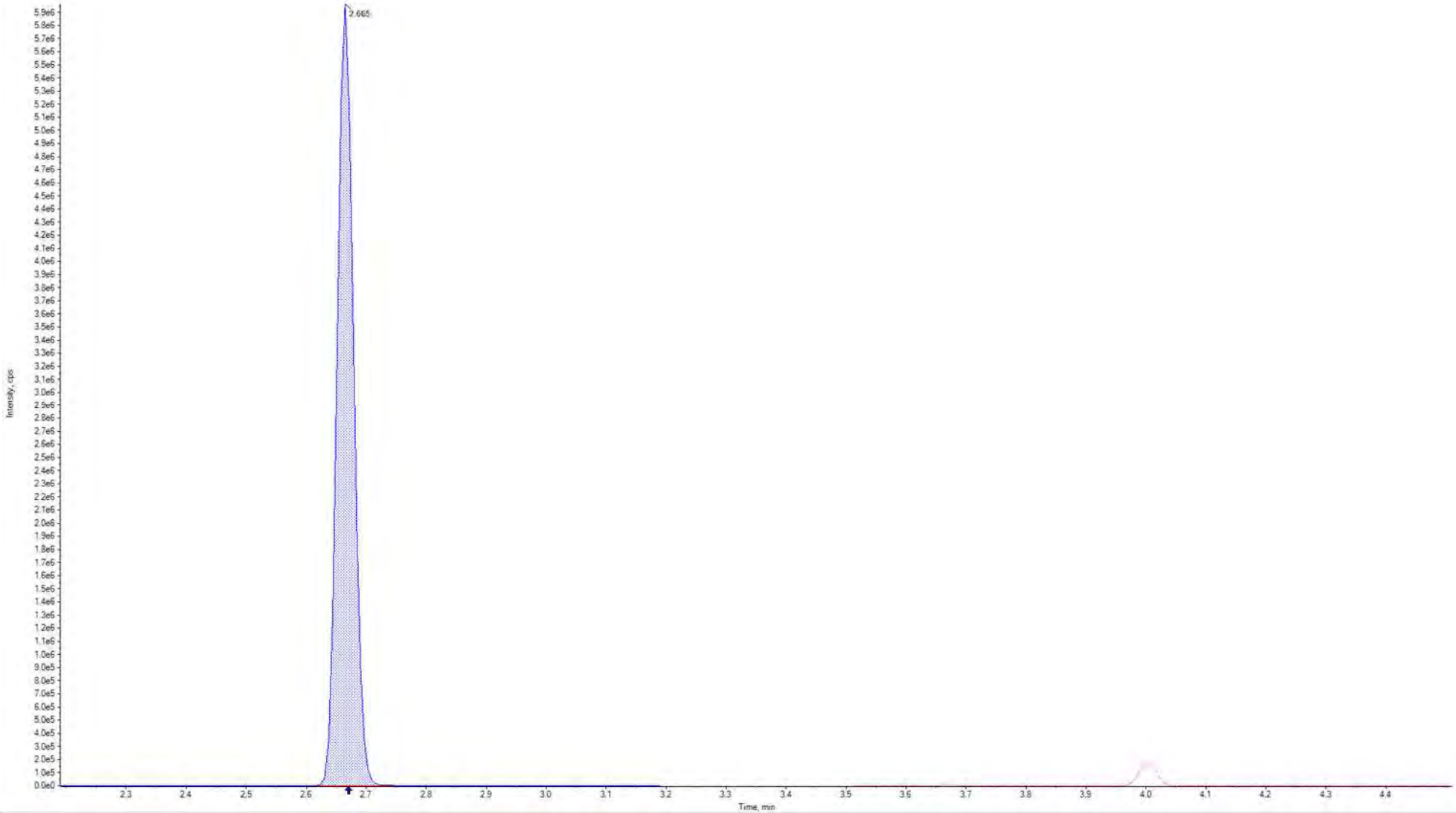
TDCA
Sample: WG2035972-1,BSICS S/N:11730.4 Points Across peak:26

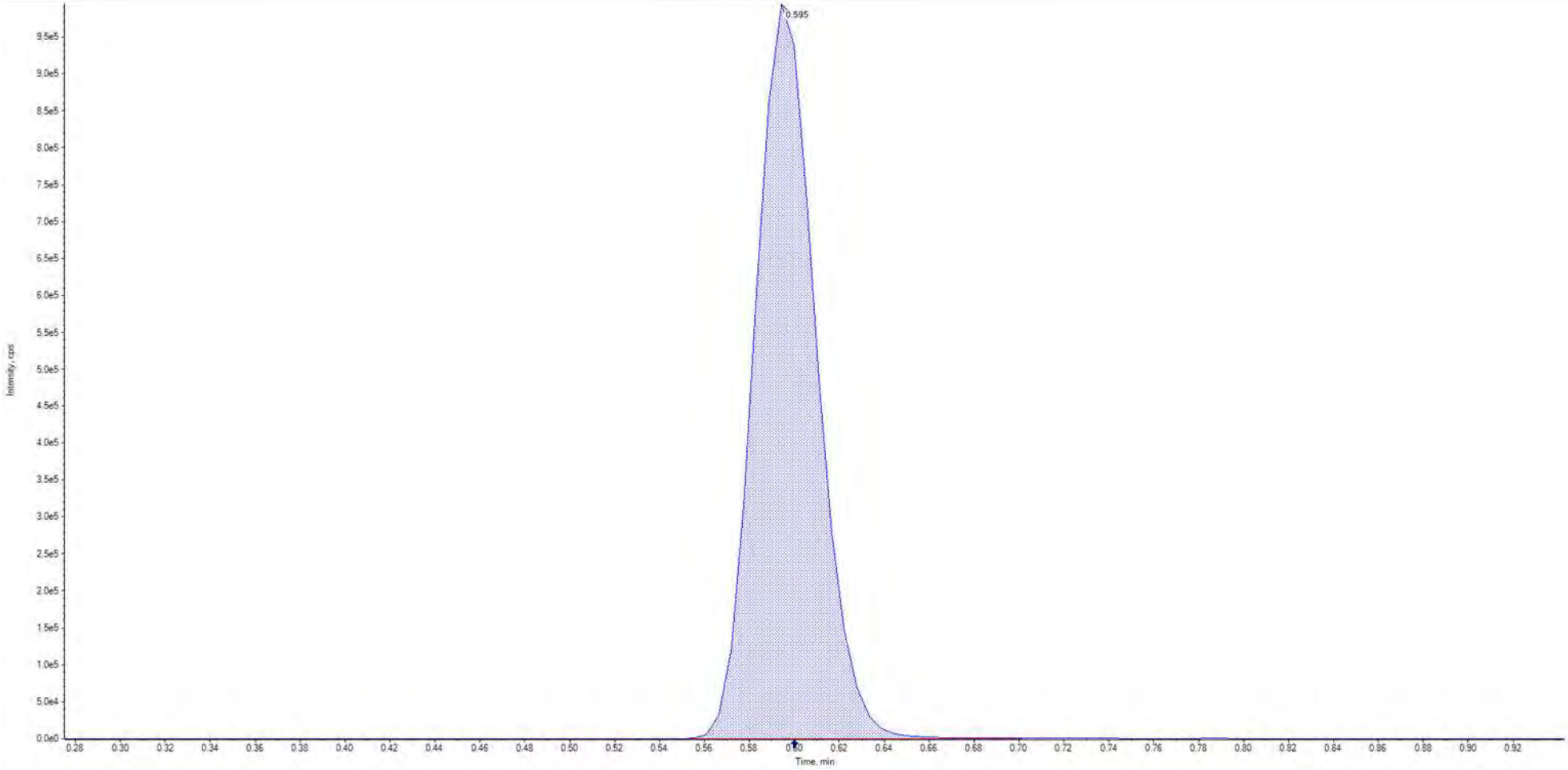


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_4
Last Altered: 3/4/2025 7:01:43 AM
Generated: 3/4/2025 5:58:35 AM

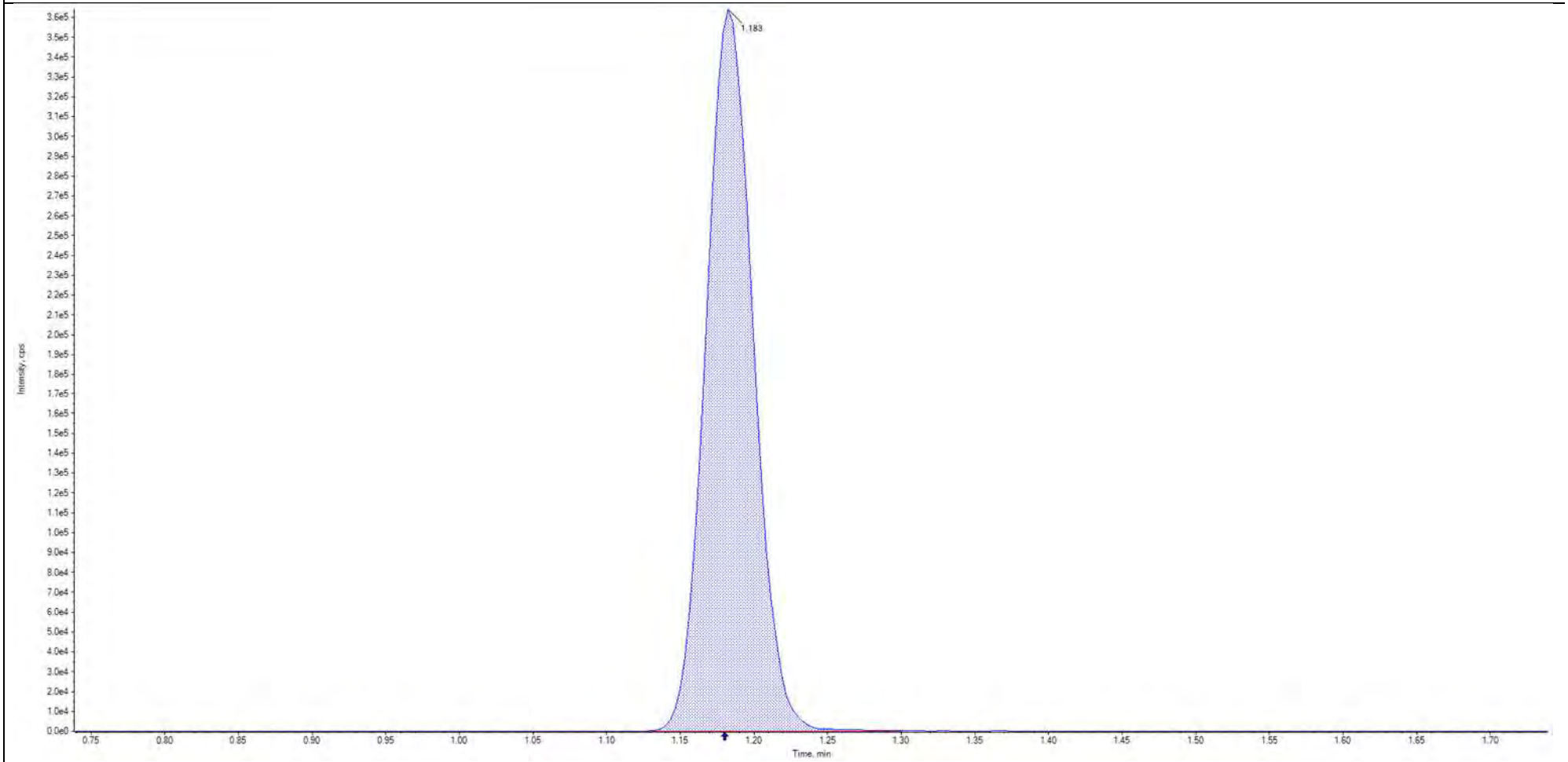
TDCA_2
Sample: WG2035972-1,BSICS S/N:119607.9 Points Across peak:32



13C4-PFBA
Sample: WG2035972-1,BSICS



13C5-PFPeA
Sample: WG2035972-1,BSICS



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Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_4
Last Altered: 3/4/2025 7:01:43 AM
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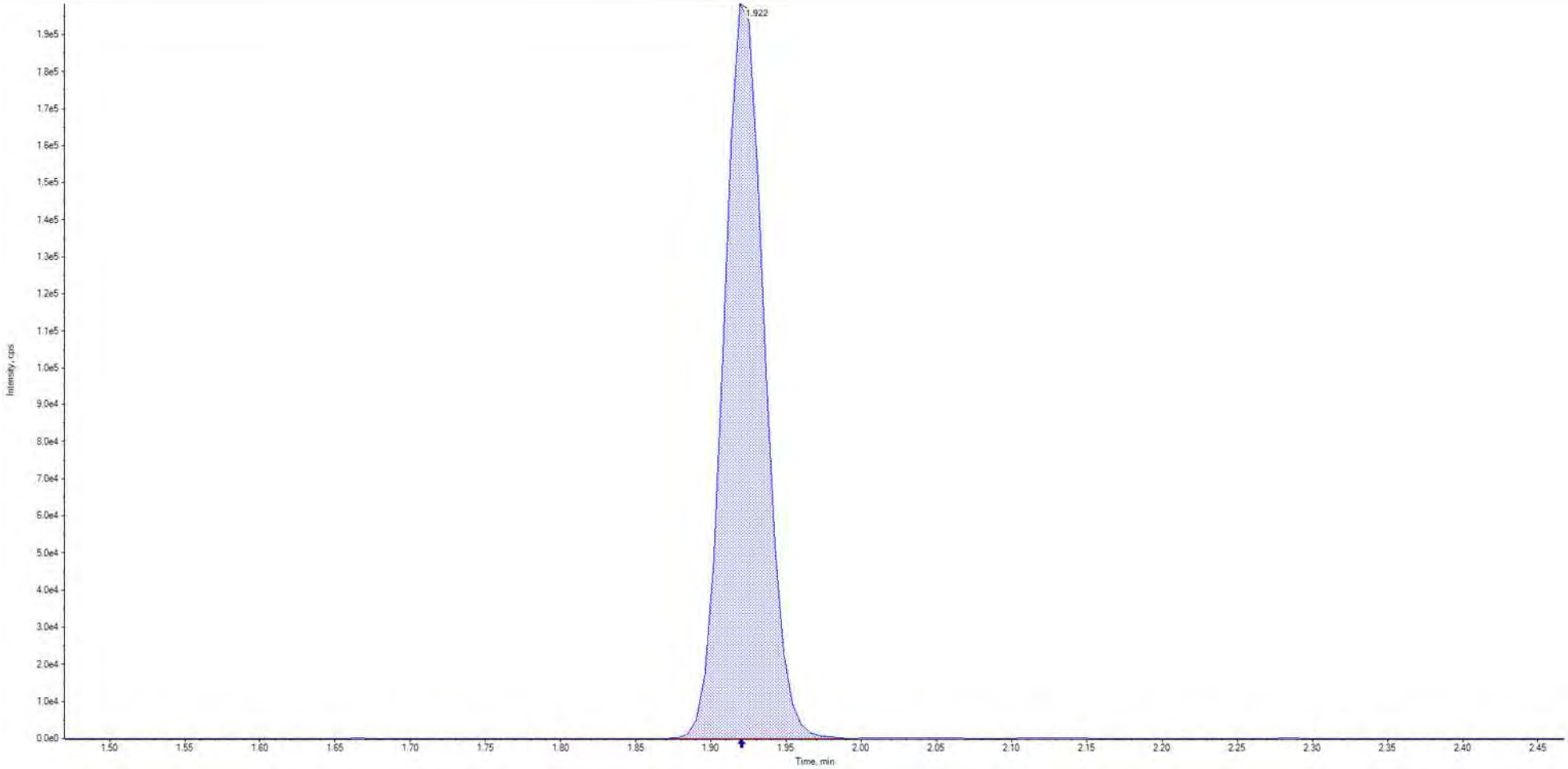
13C5-PFHxA
Sample: WG2035972-1,BSICS



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Alpha Analytical LLC
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Last Altered: 3/4/2025 7:01:43 AM
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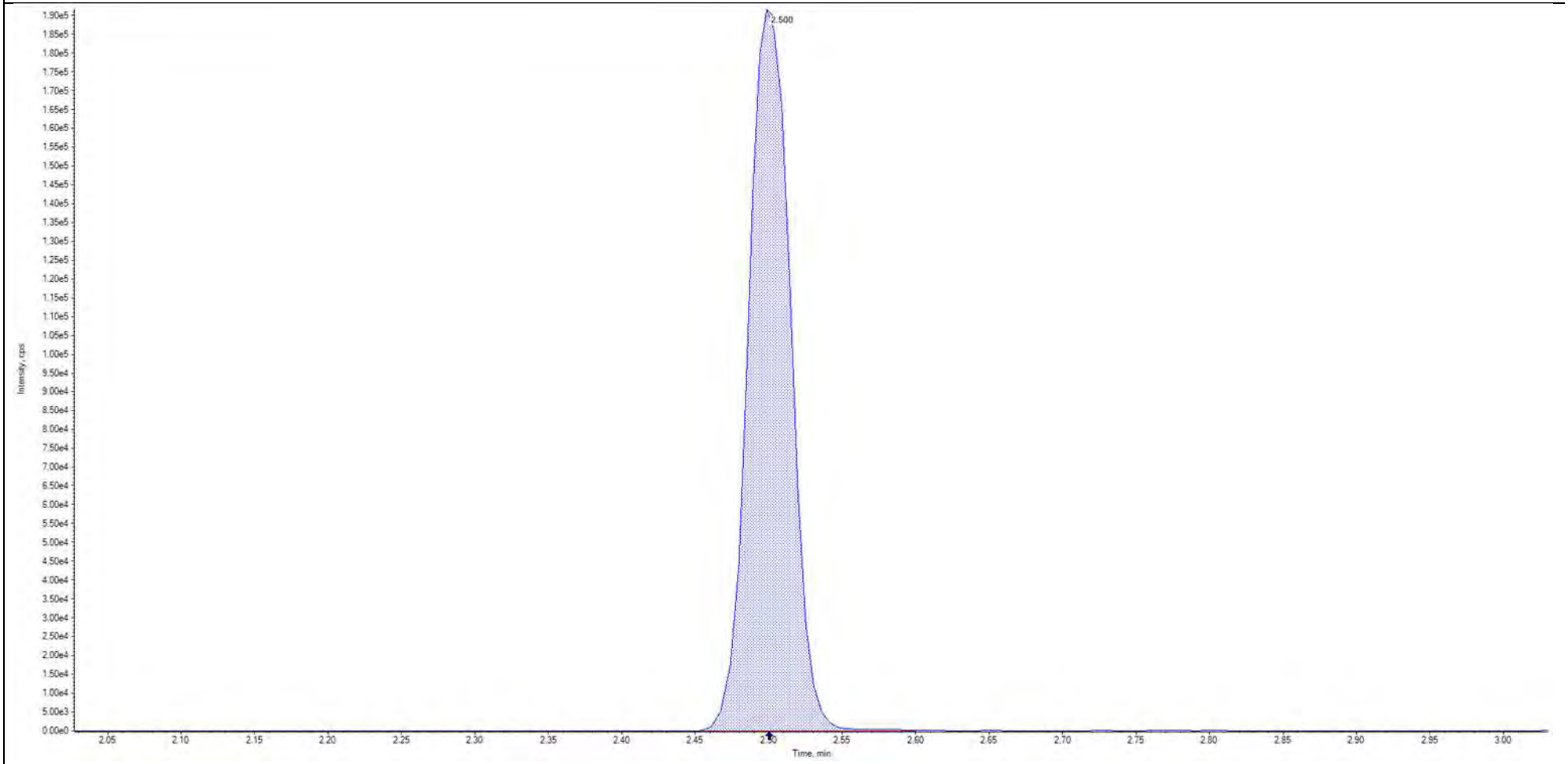
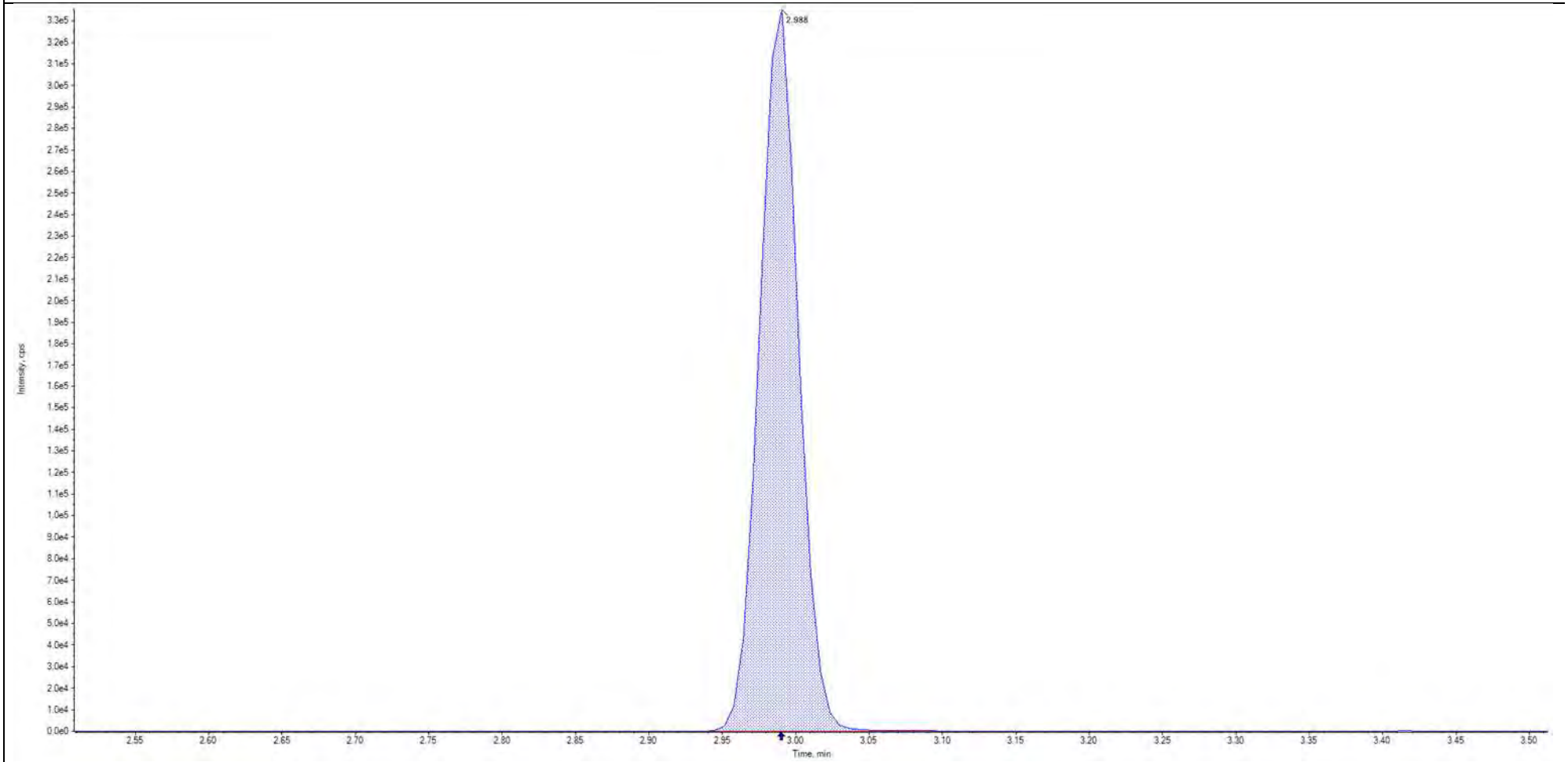
13C4-PFHpA
Sample: WG2035972-1,BSICS



13C8-PFOA
Sample: WG2035972-1,BSICS



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Alpha Analytical LLC
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Last Altered: 3/4/2025 7:01:43 AM
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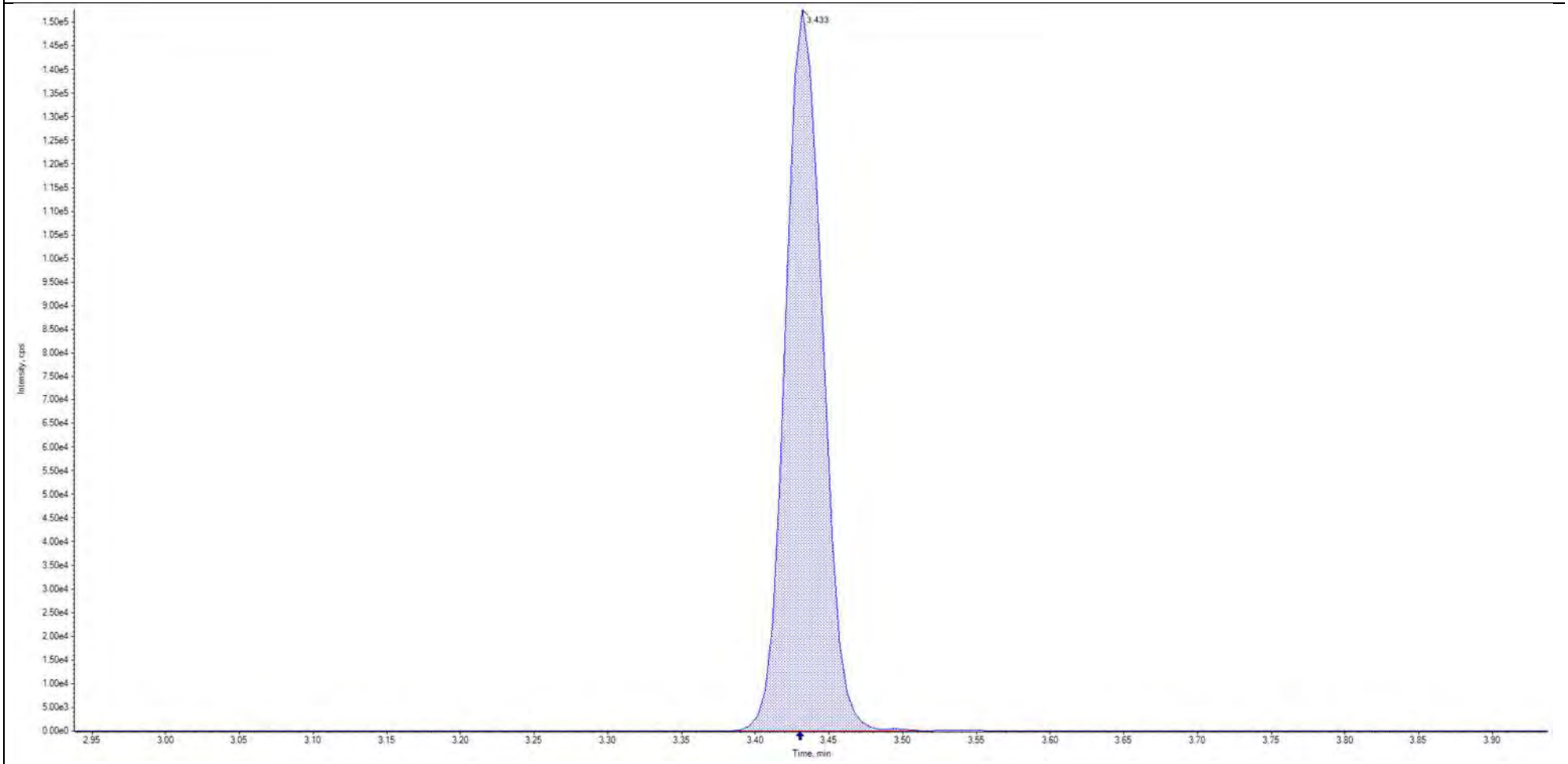
13C9-PFNA
Sample: WG2035972-1,BSICS



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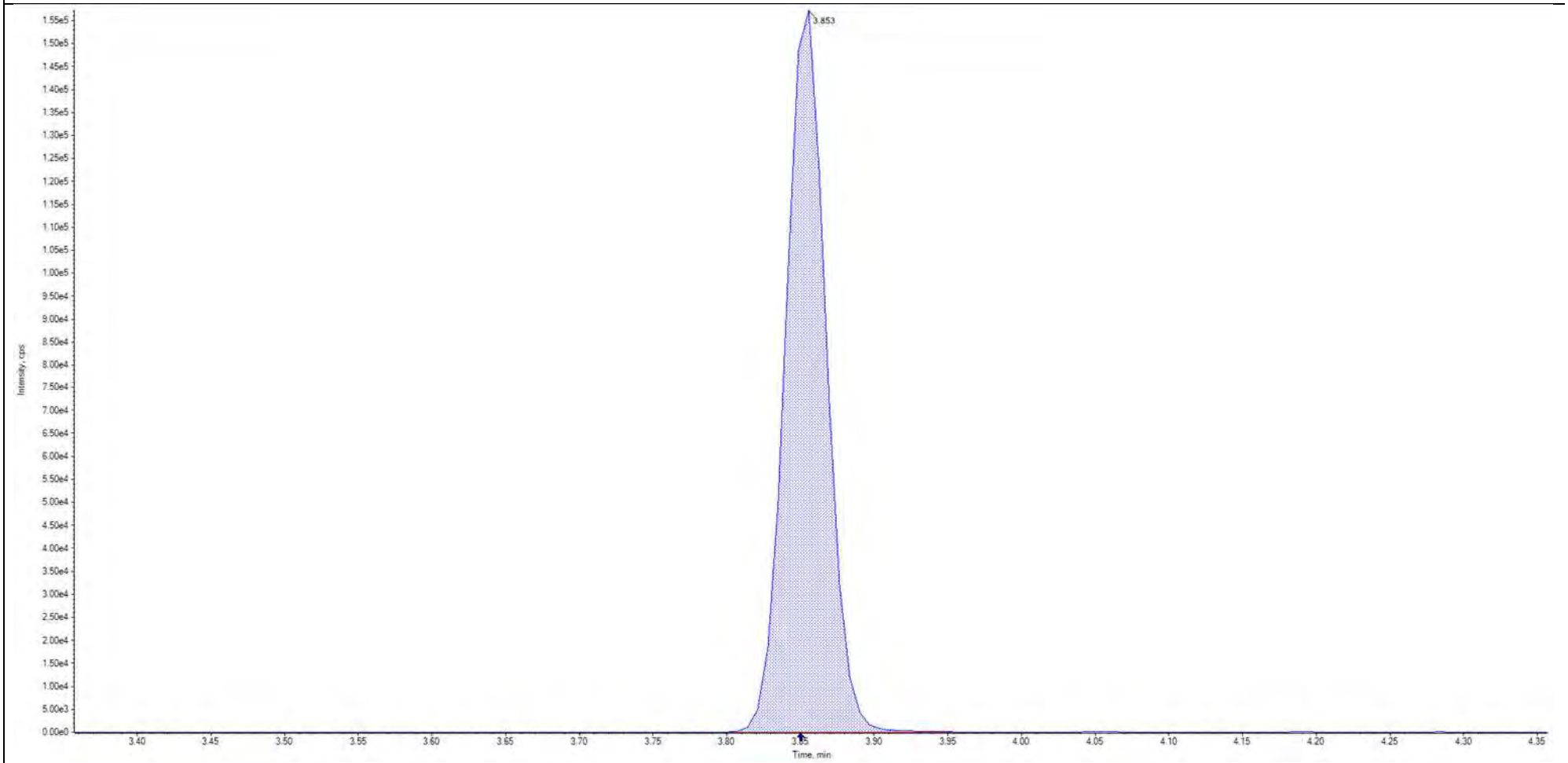
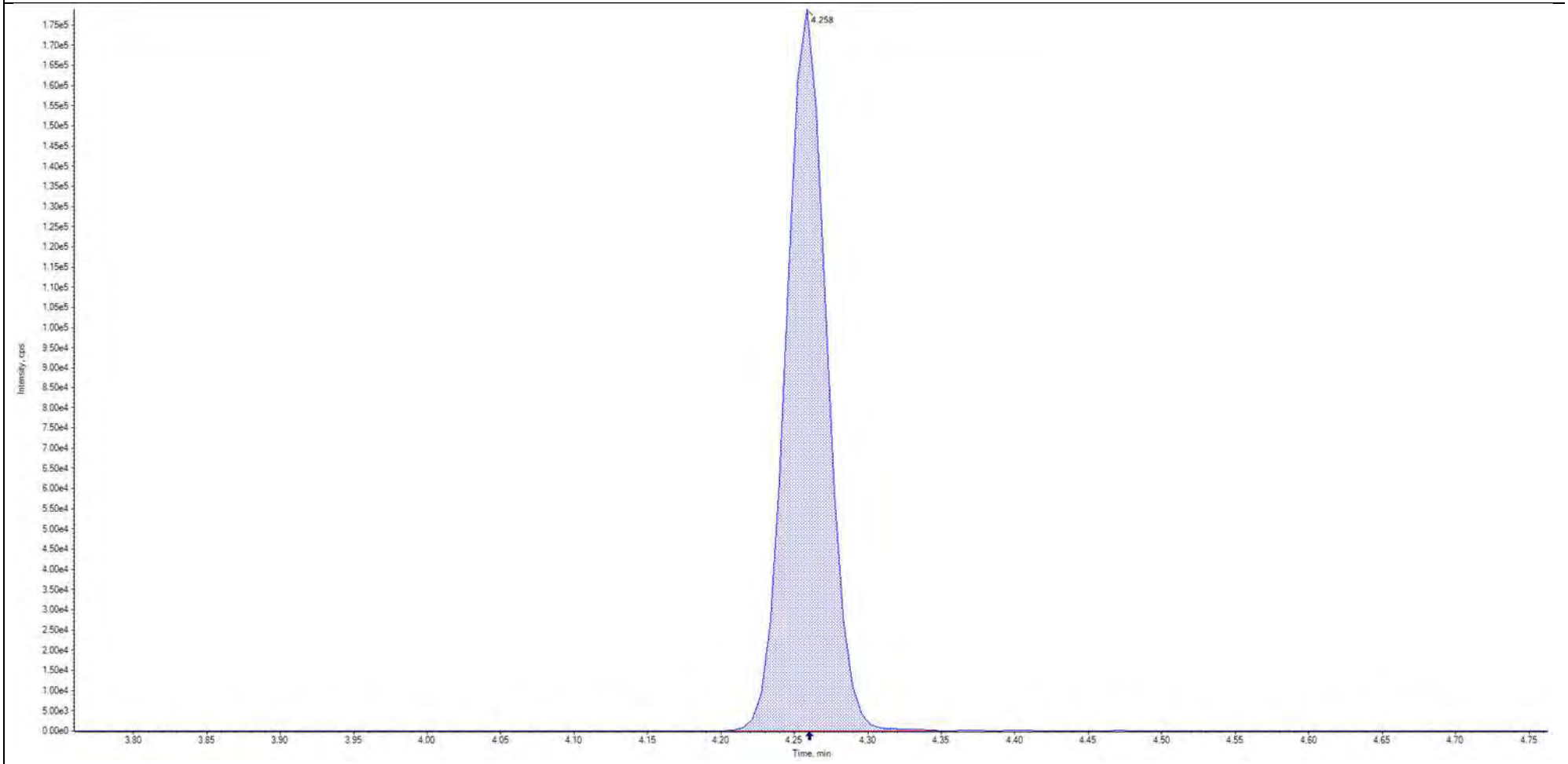
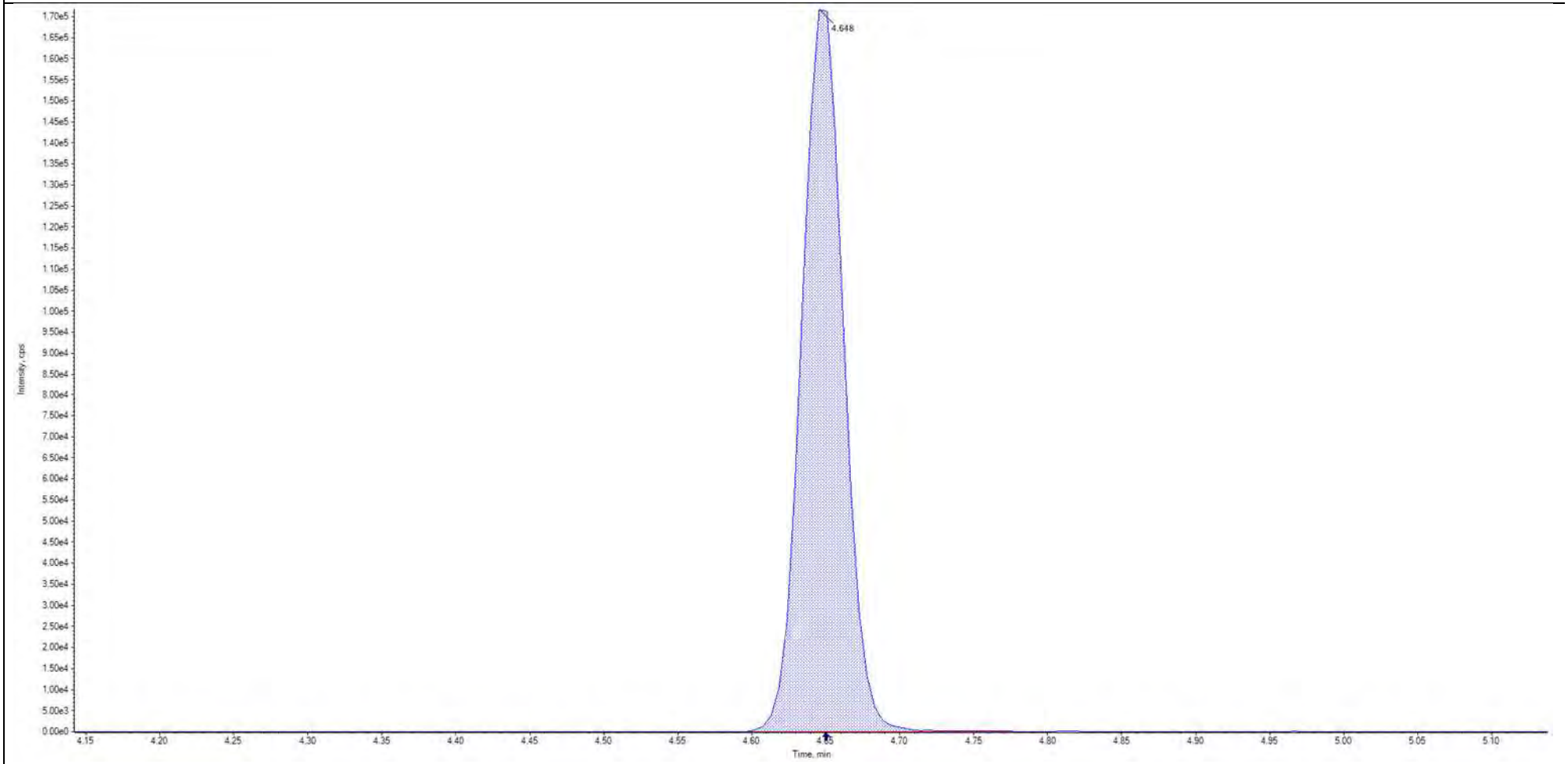
13C6-PFDA
Sample: WG2035972-1,BSICS



13C7-PFUnA
Sample: WG2035972-1,BSICS



13C2-PFDoA
Sample: WG2035972-1,BSICS



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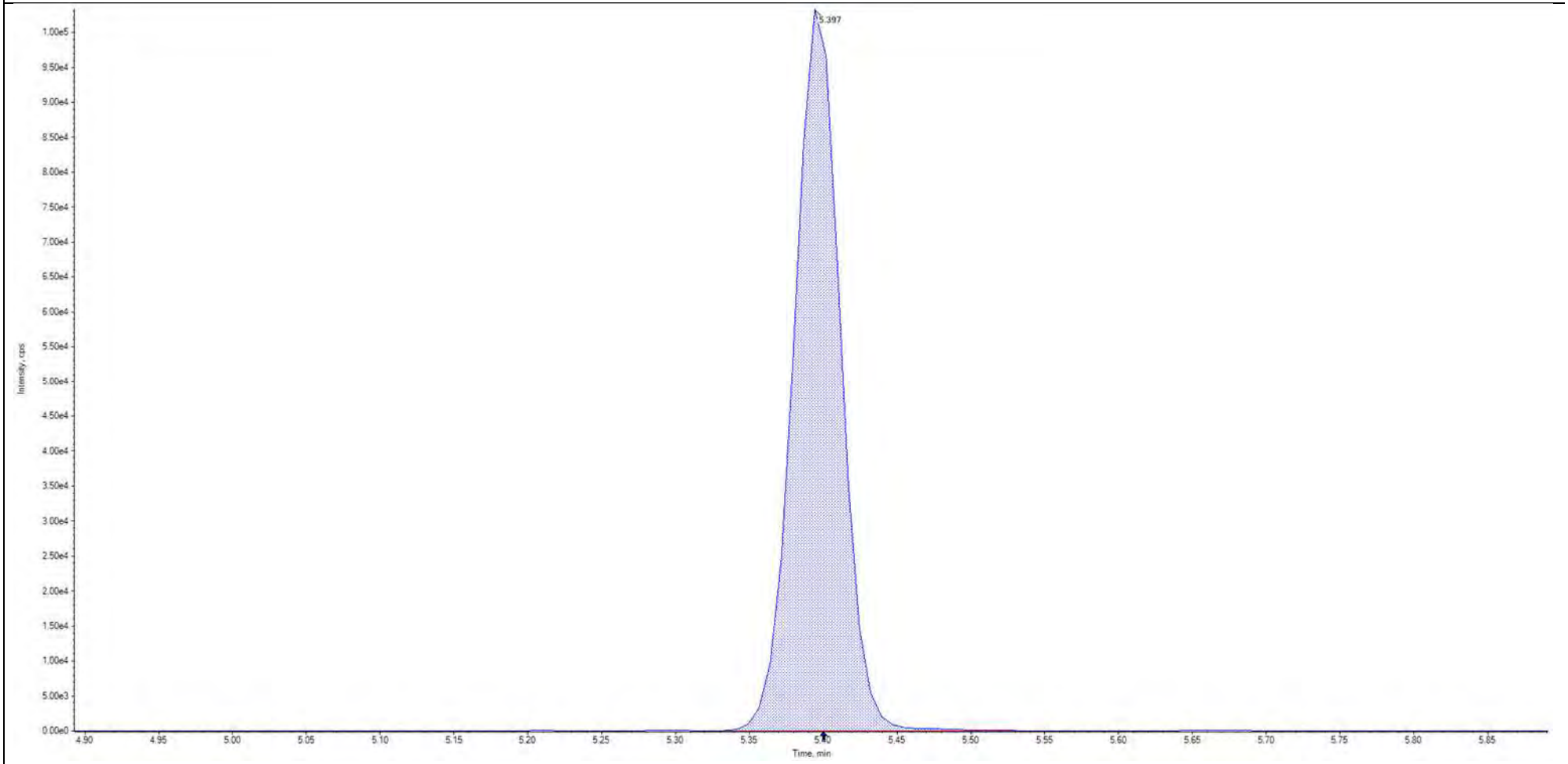
13C2-PFTeDA
Sample: WG2035972-1,BSICS



13C3-PFBS
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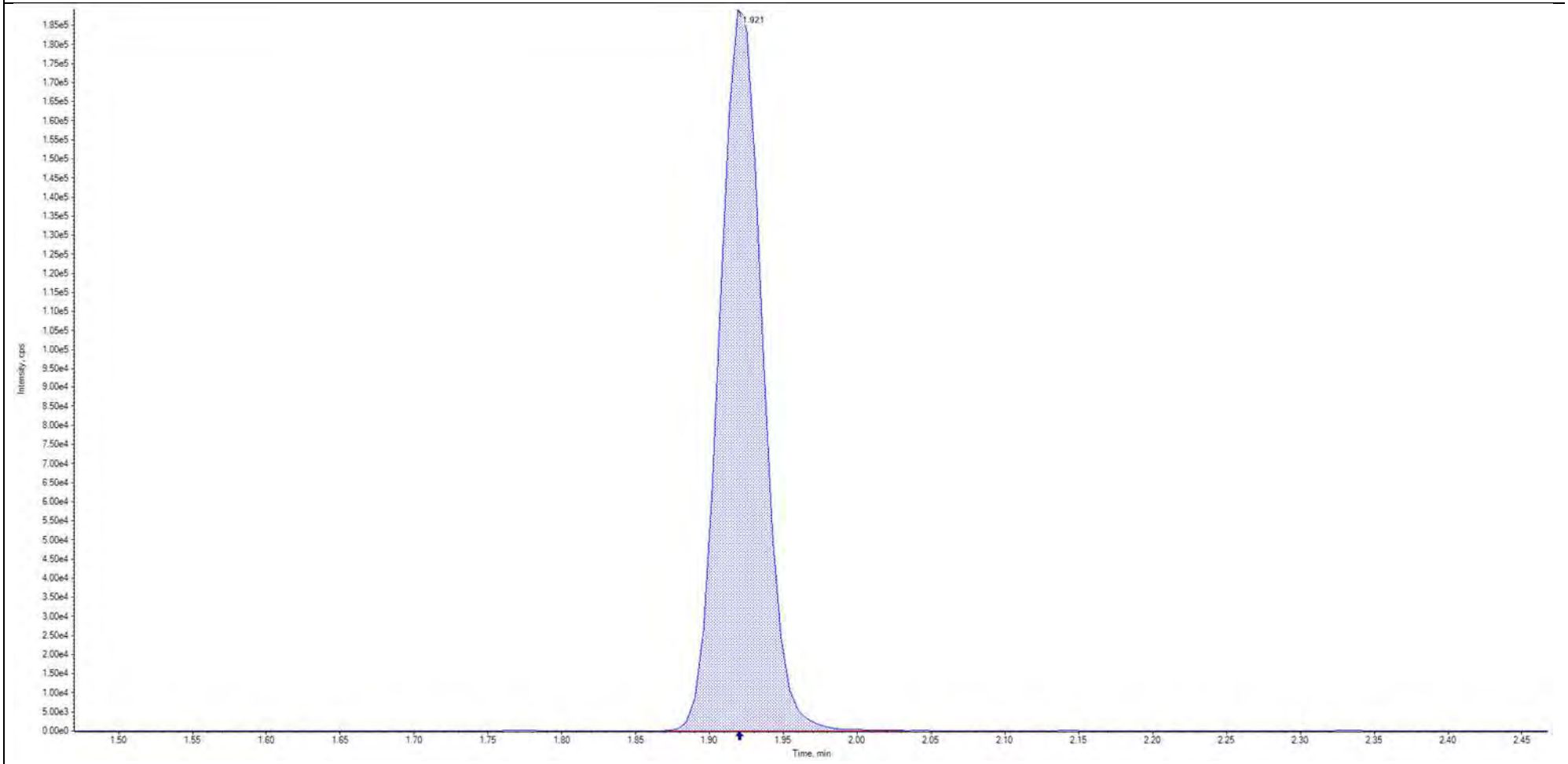

13C3-PFHxS
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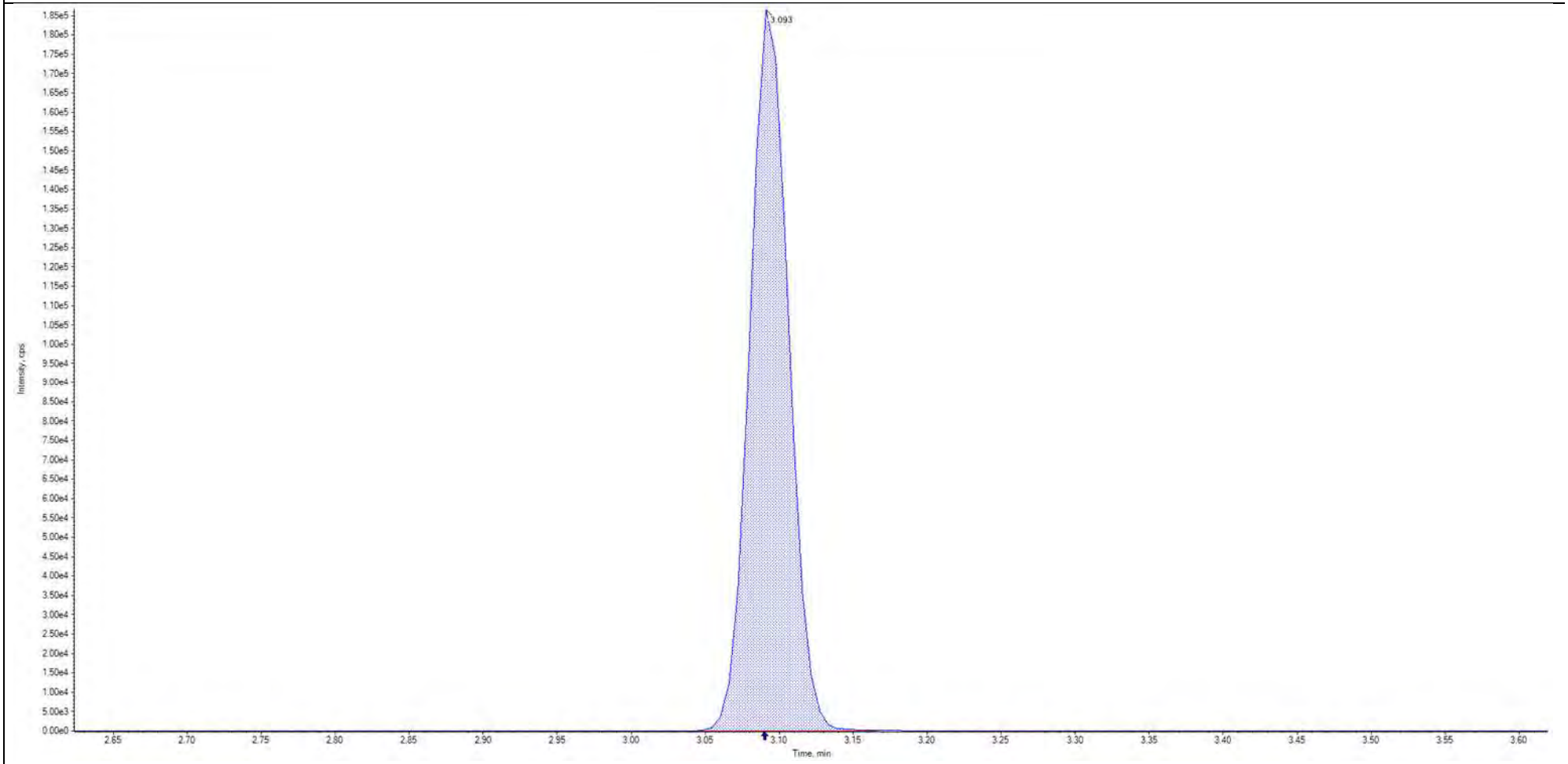

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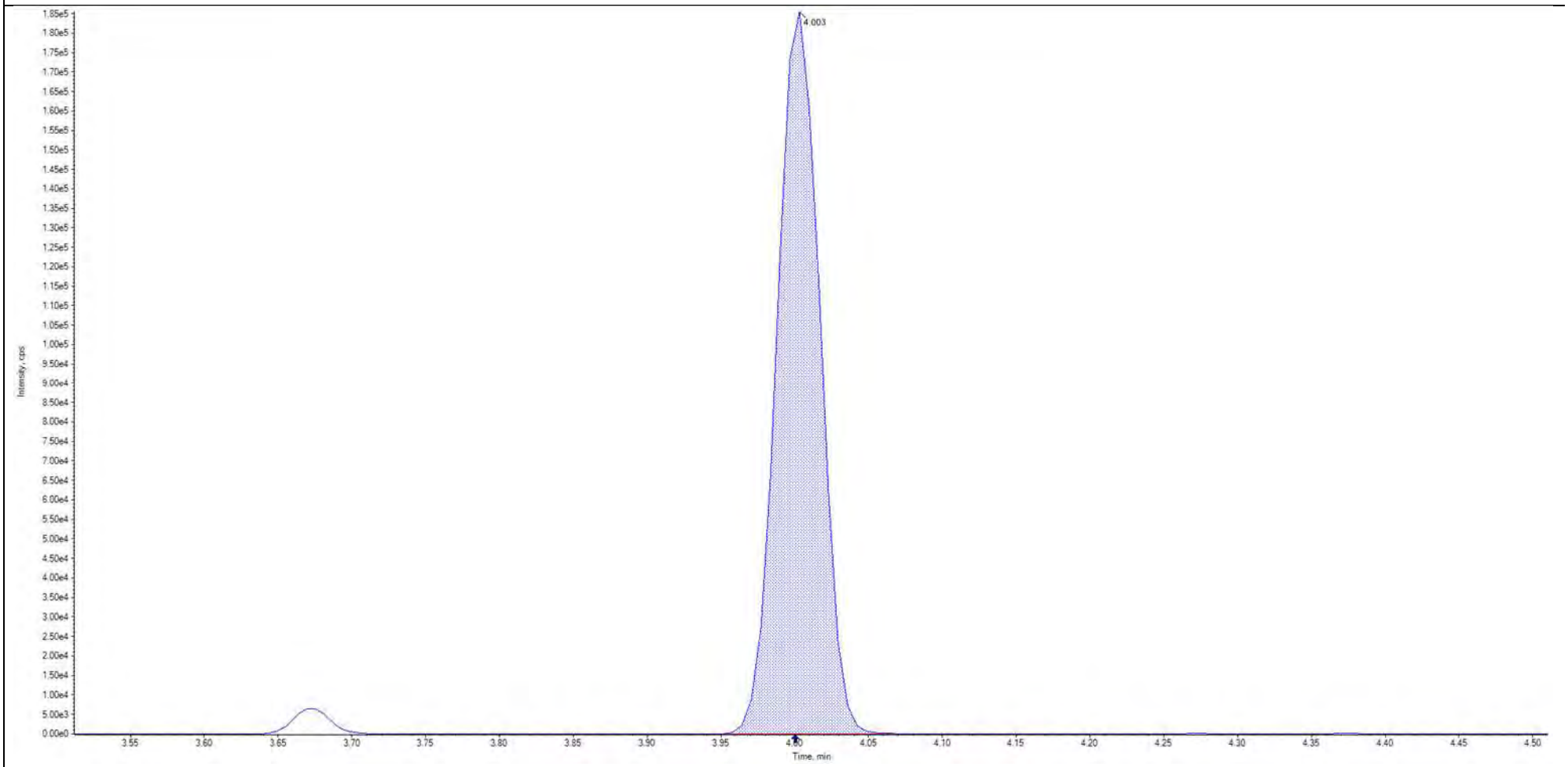
13C8-PFOS
Sample: WG2035972-1,BSICS



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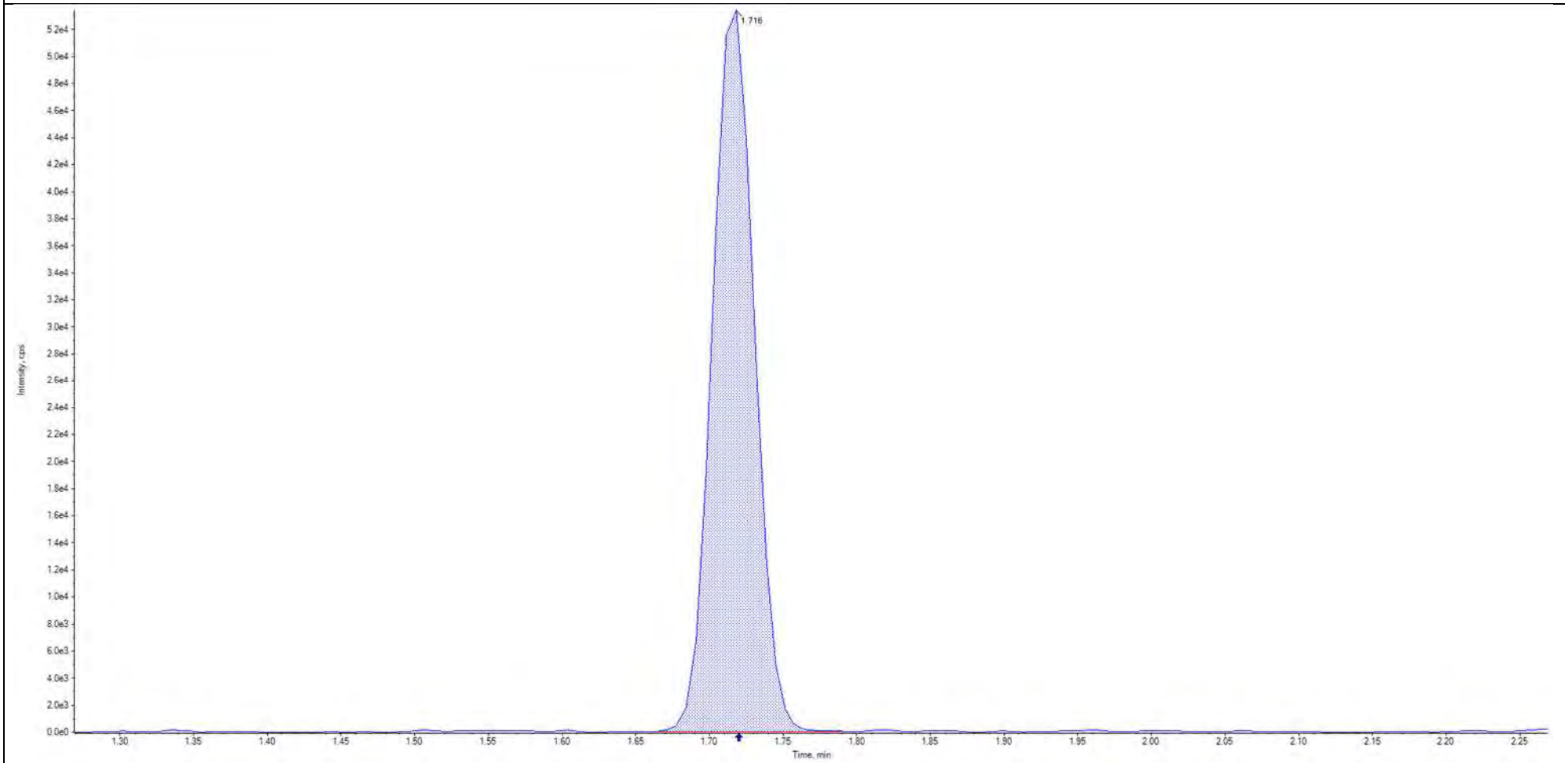
13C2-4:2FTS
Sample: WG2035972-1,BSICS



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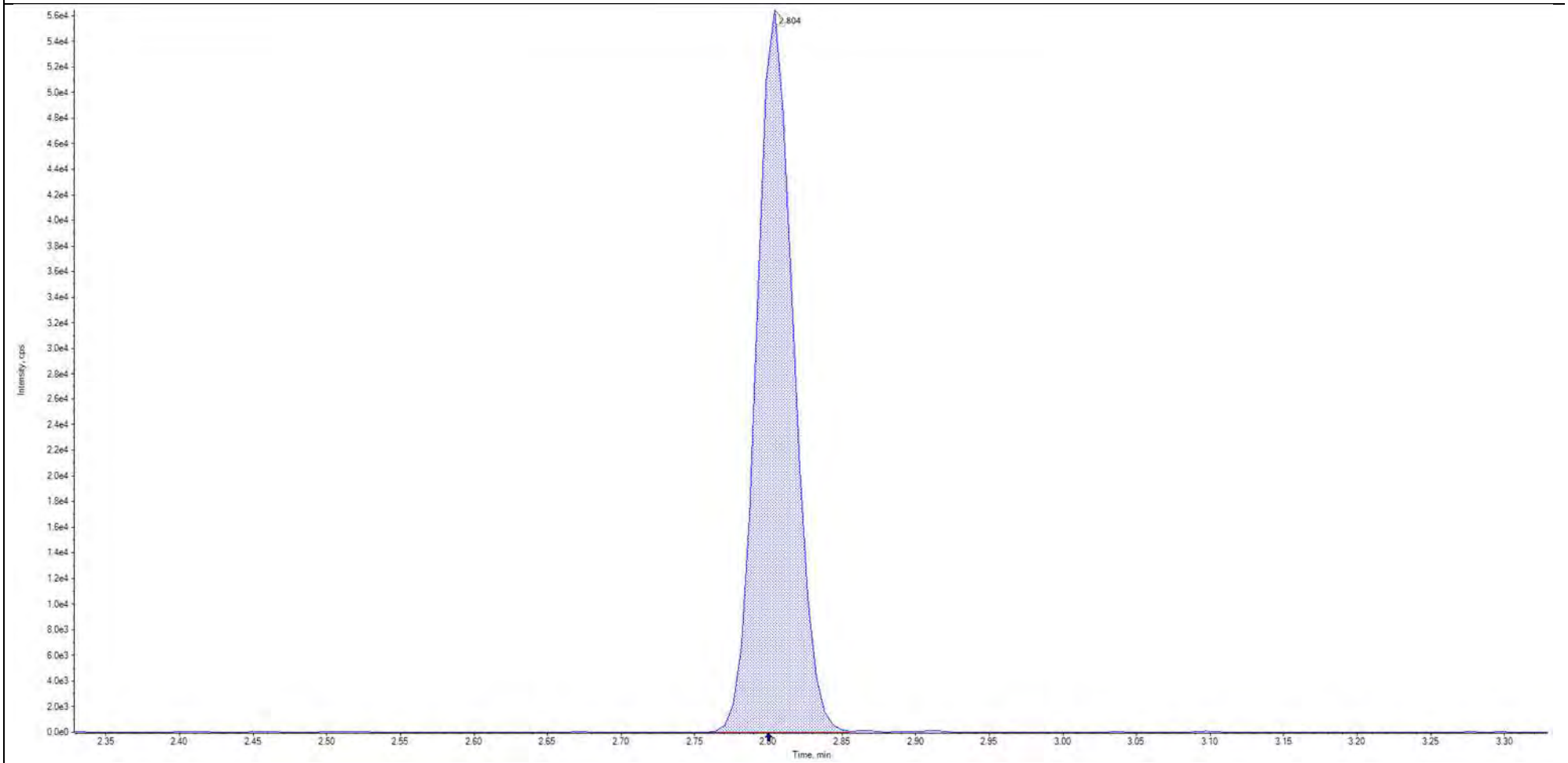
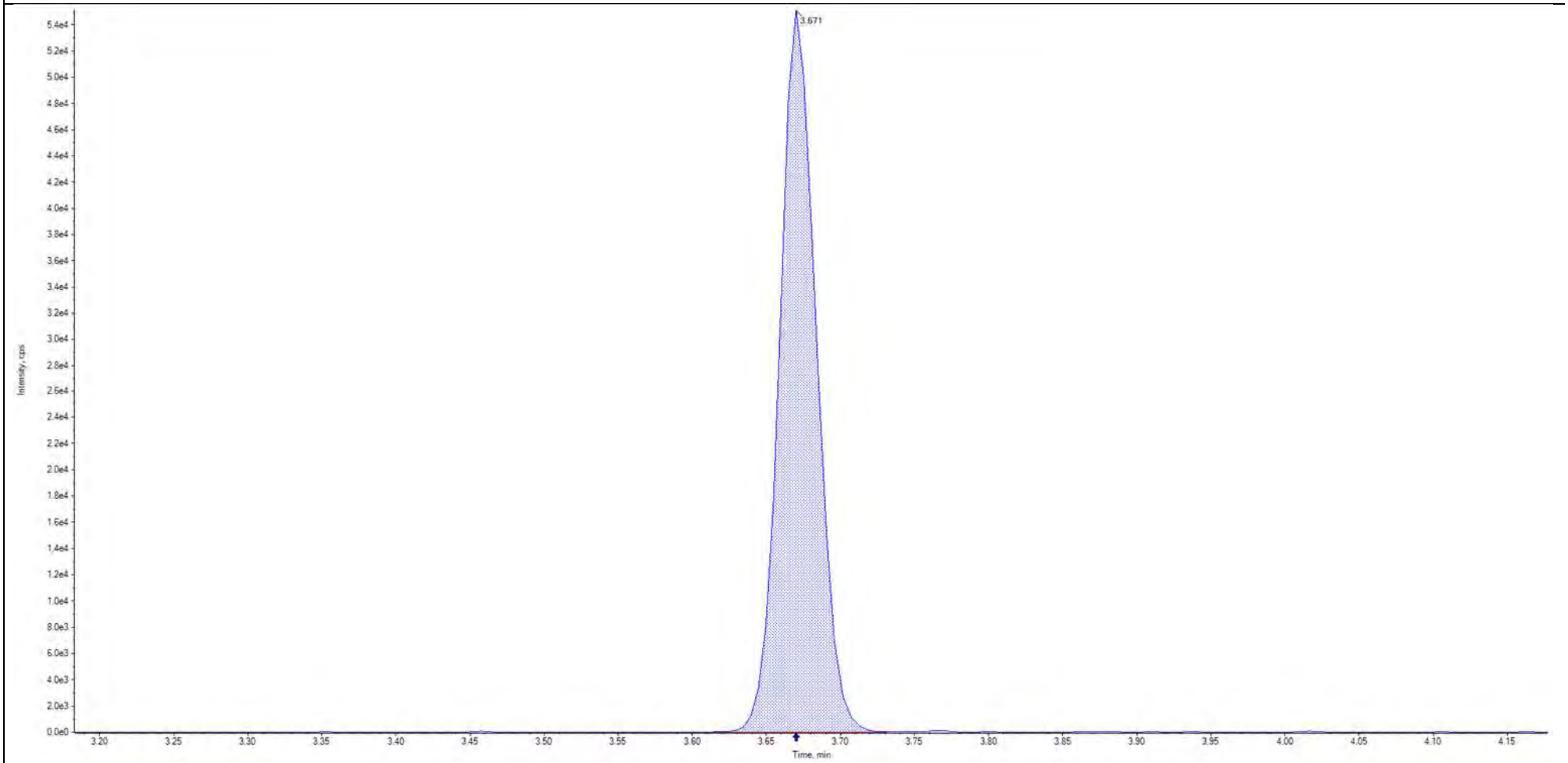
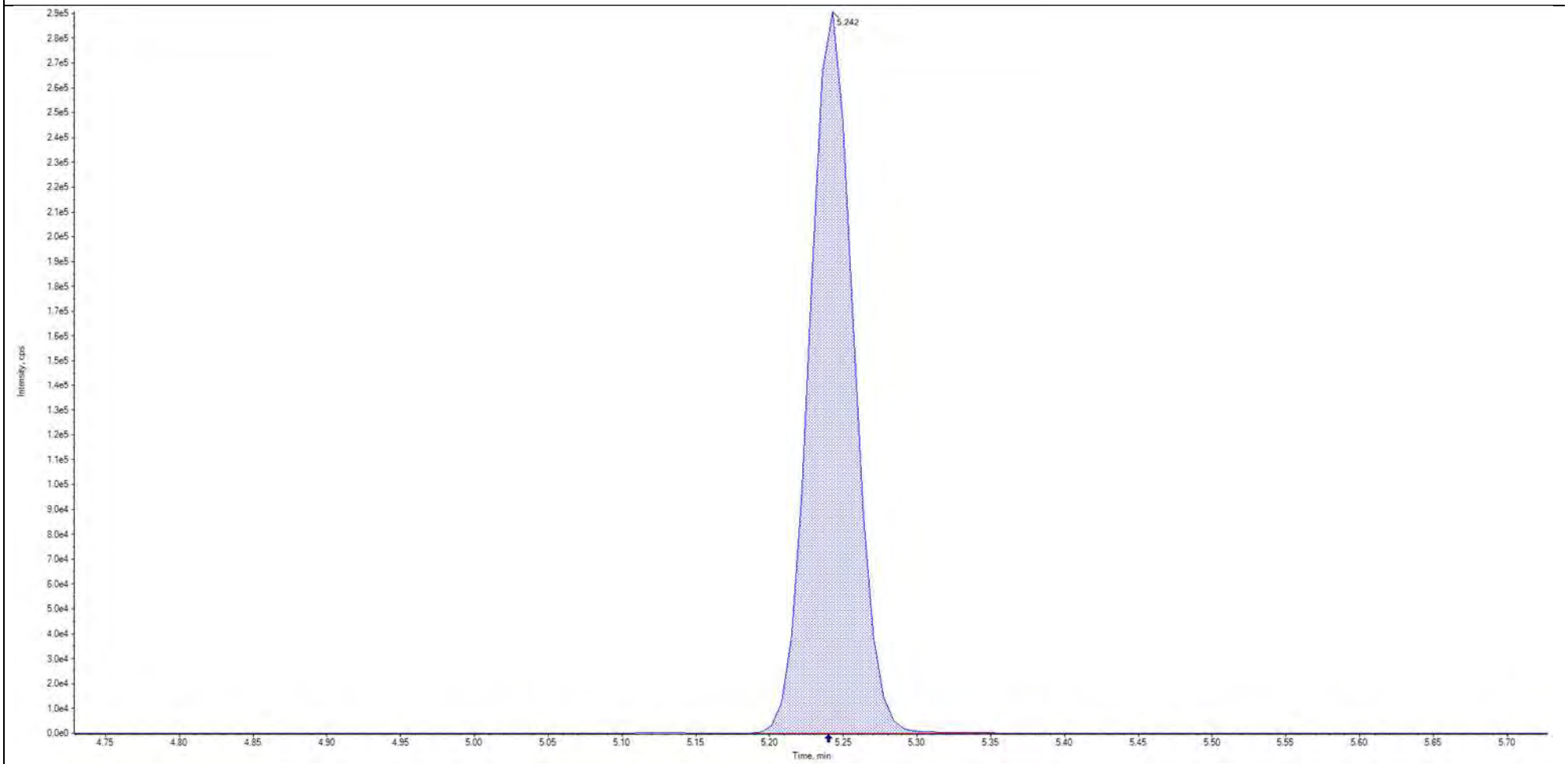
13C2-6:2FTS
Sample: WG2035972-1,BSICS



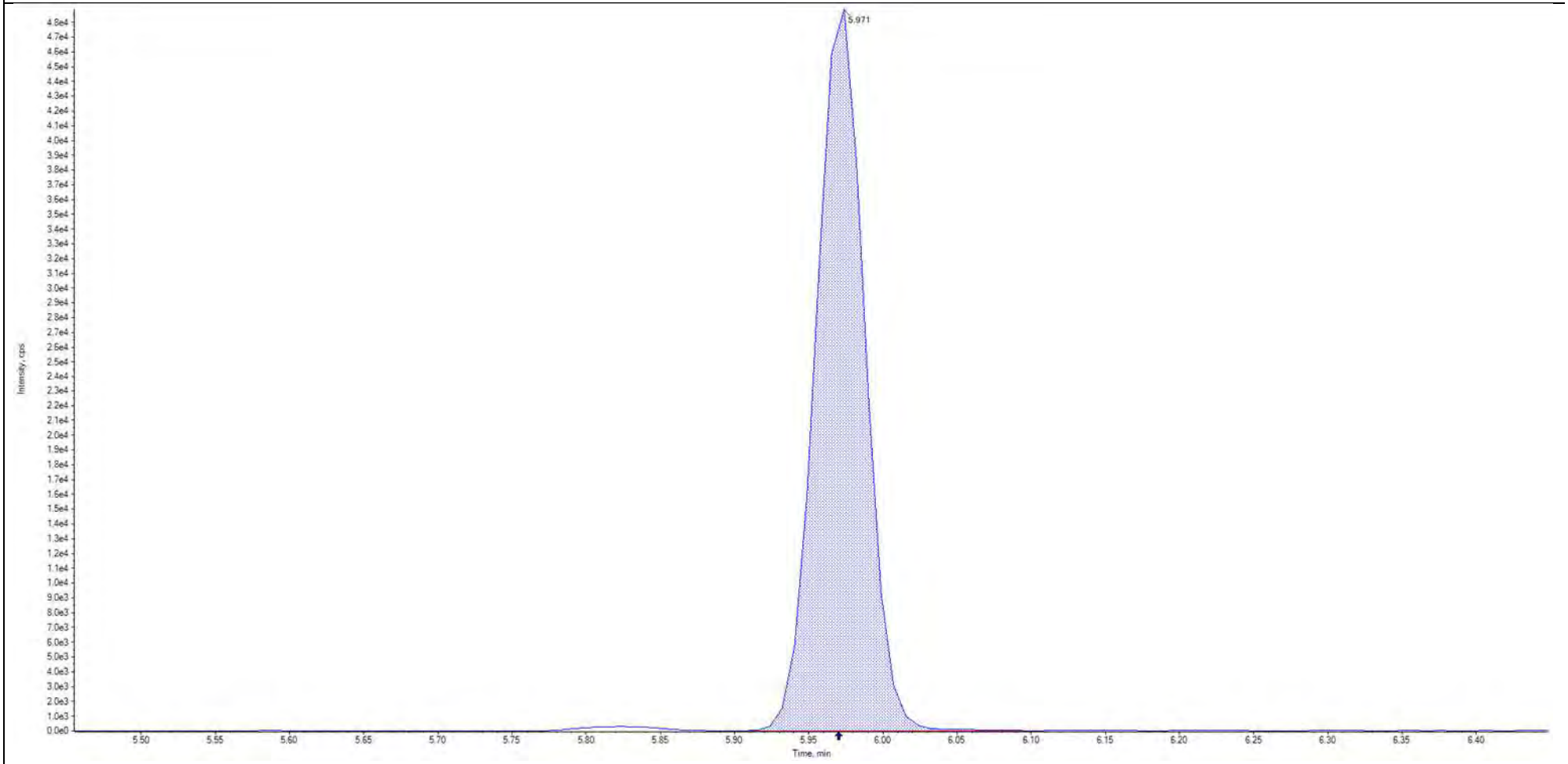
13C2-8:2FTS
Sample: WG2035972-1,BSICS



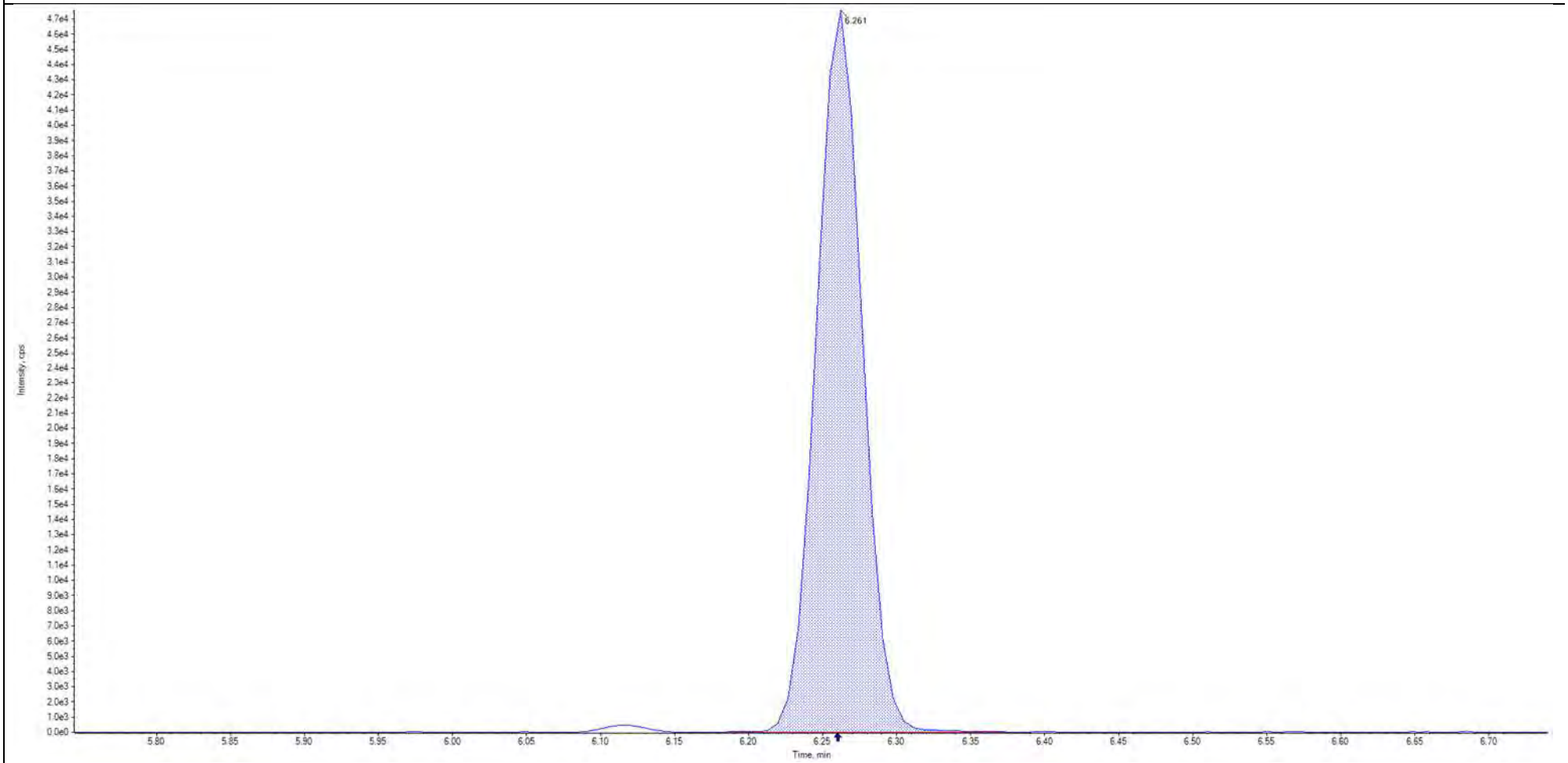
13C8-PFOSA
Sample: WG2035972-1,BSICS



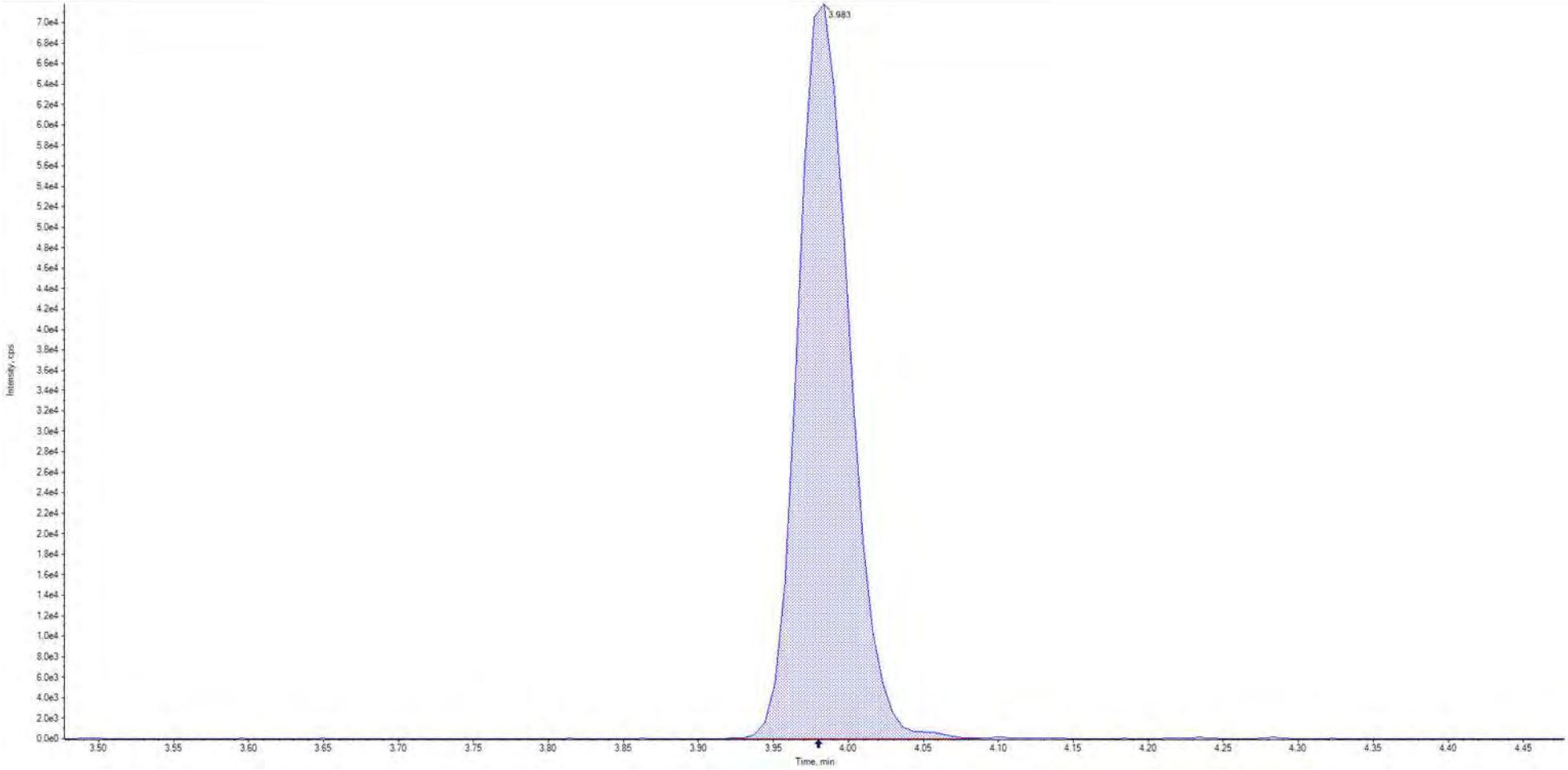
d3-NMeFOSA
Sample: WG2035972-1,BSICS



d5-NEtFOSA
Sample: WG2035972-1,BSICS



d3-NMeFOSAA
Sample: WG2035972-1,BSICS



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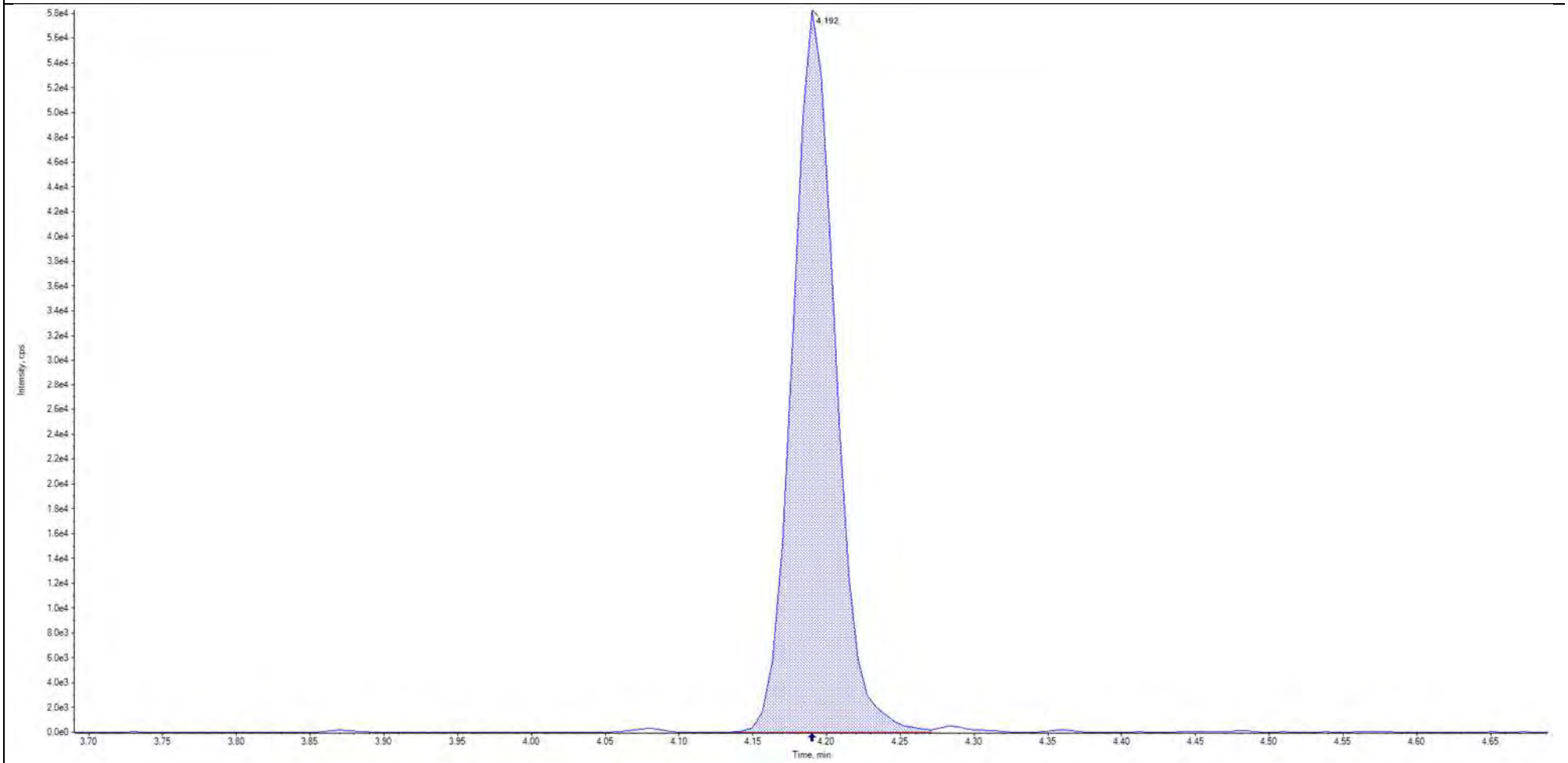
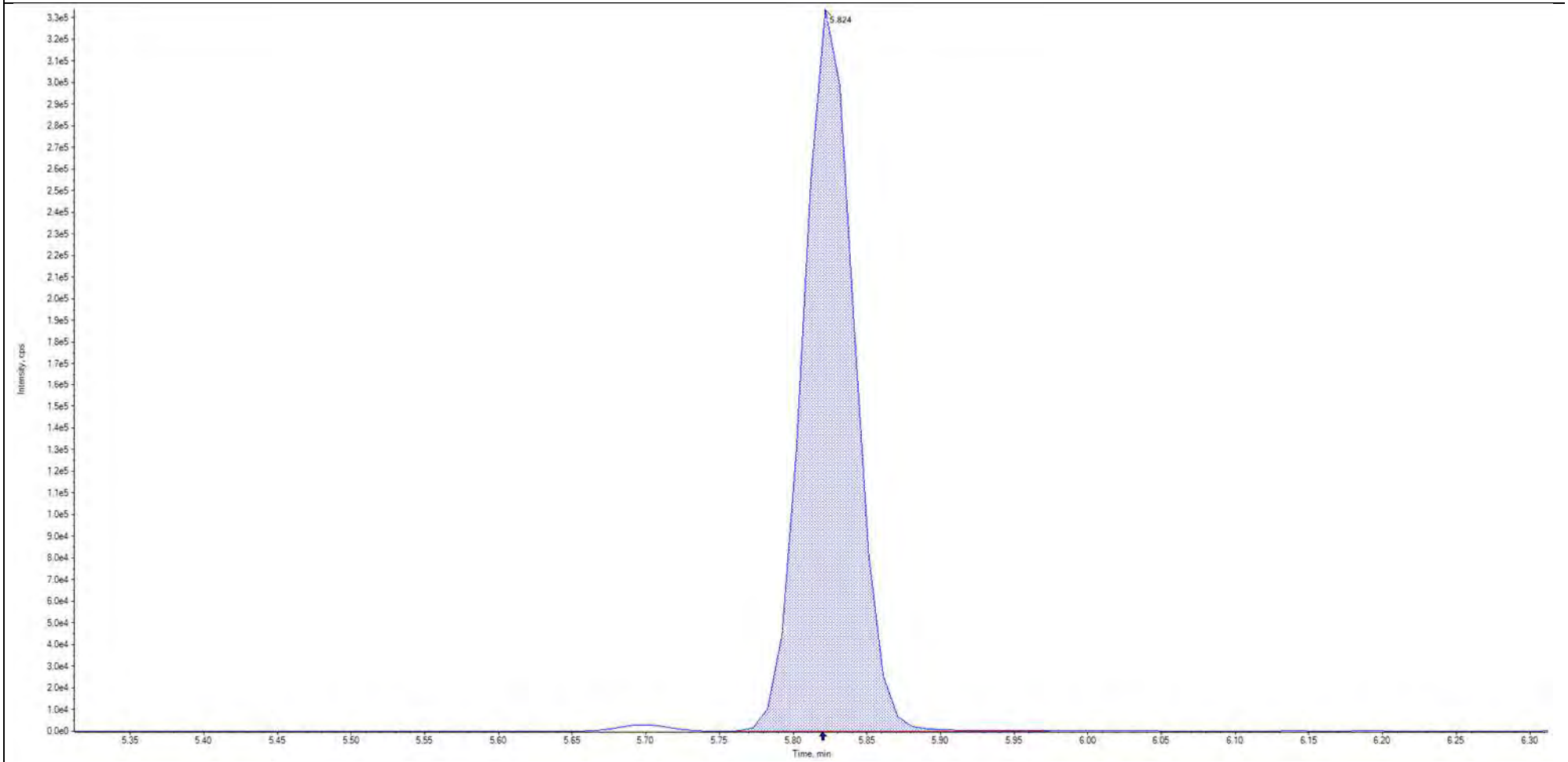
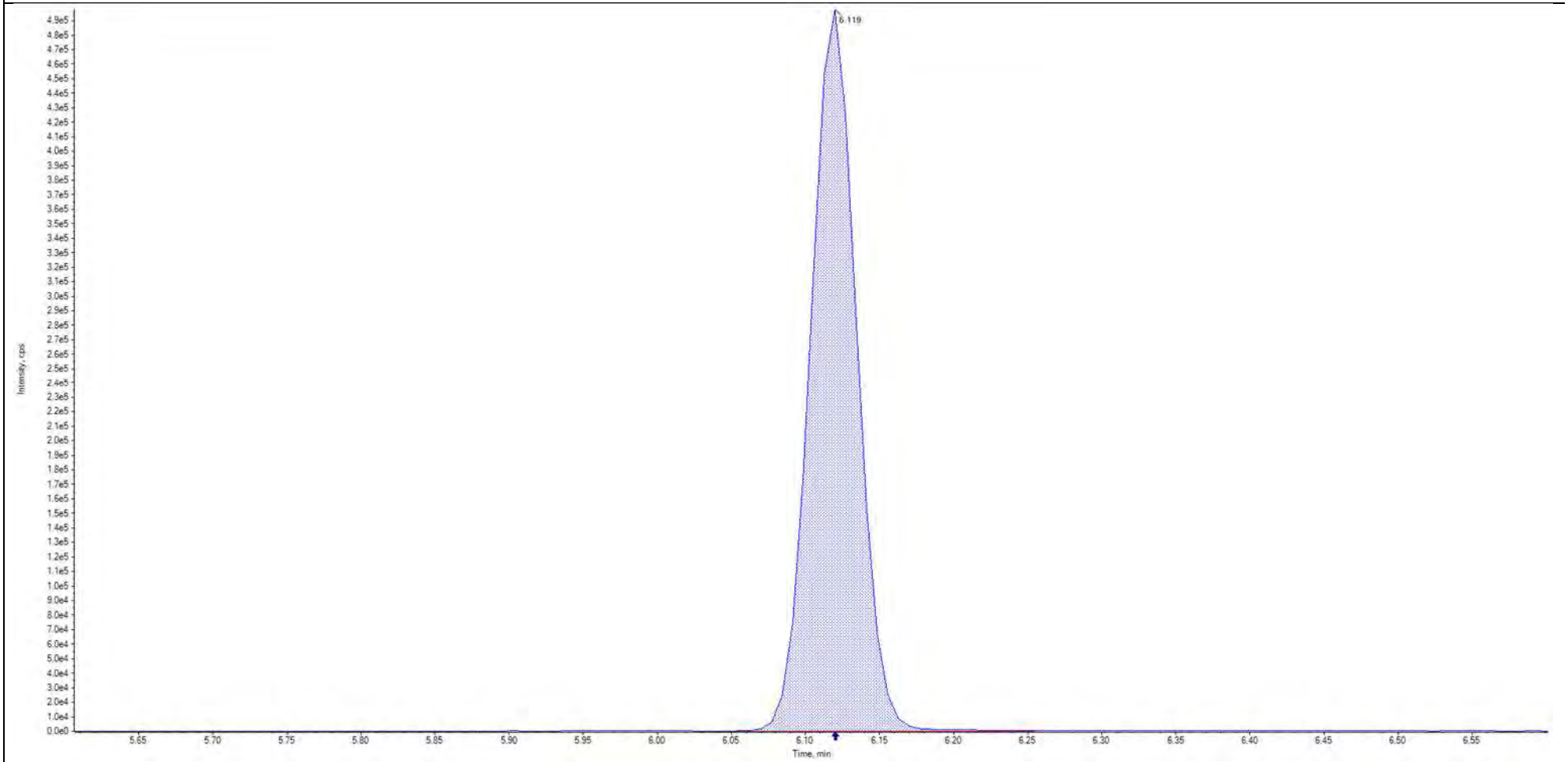
d5-NEtFOSAA
Sample: WG2035972-1,BSICS



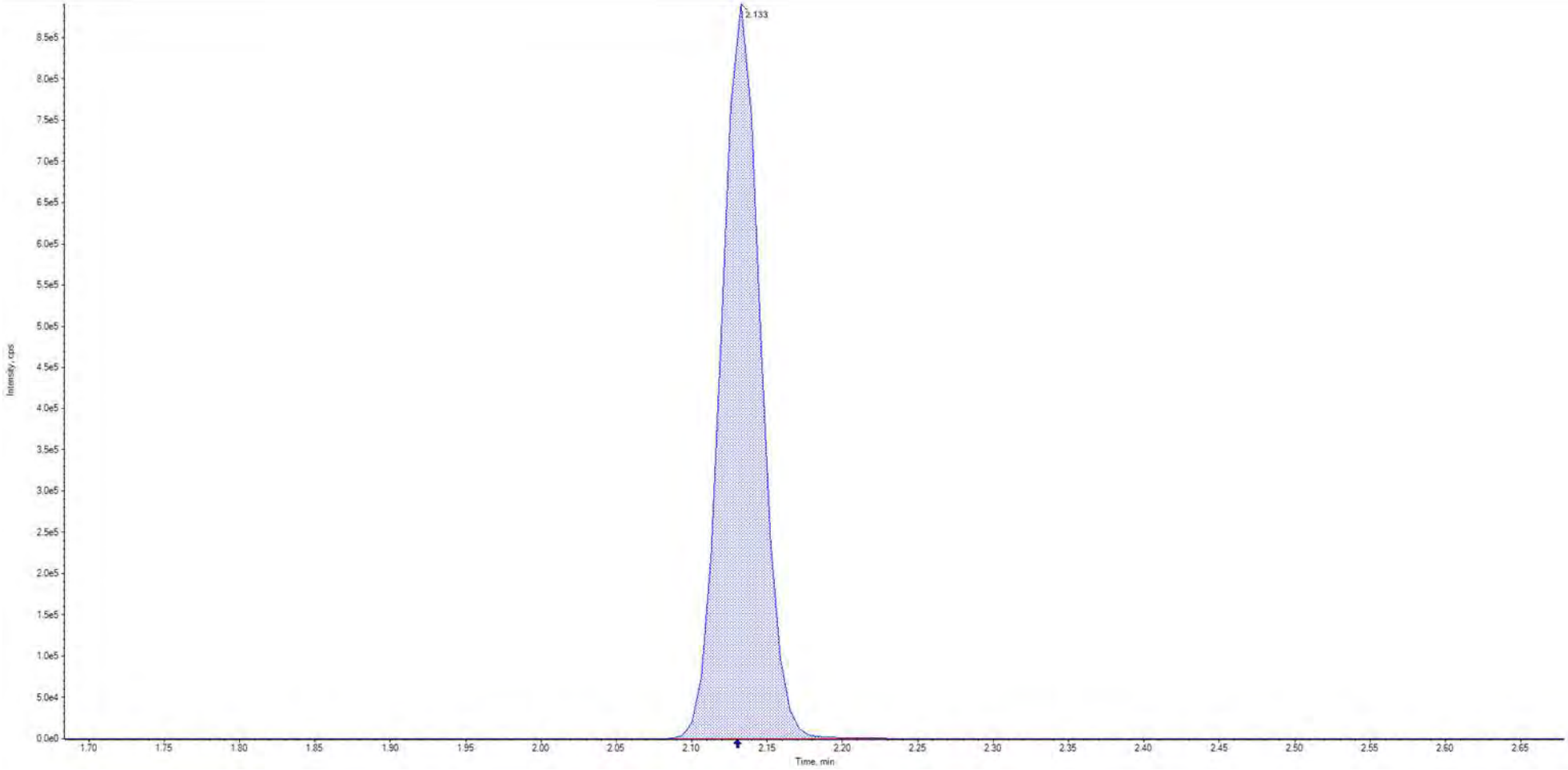
d7-NMeFOSE
Sample: WG2035972-1,BSICS



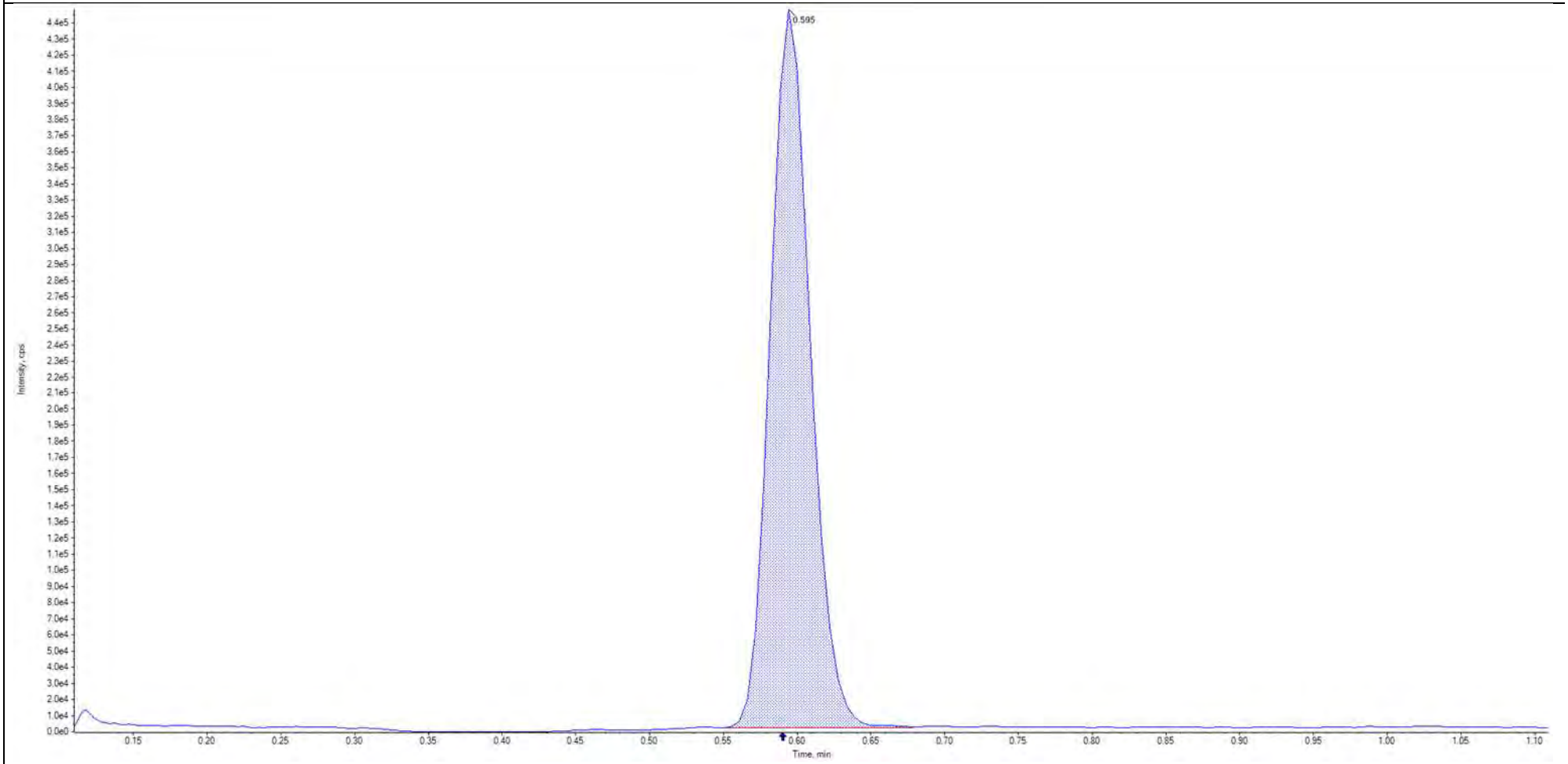
d9-NEtFOSE
Sample: WG2035972-1,BSICS



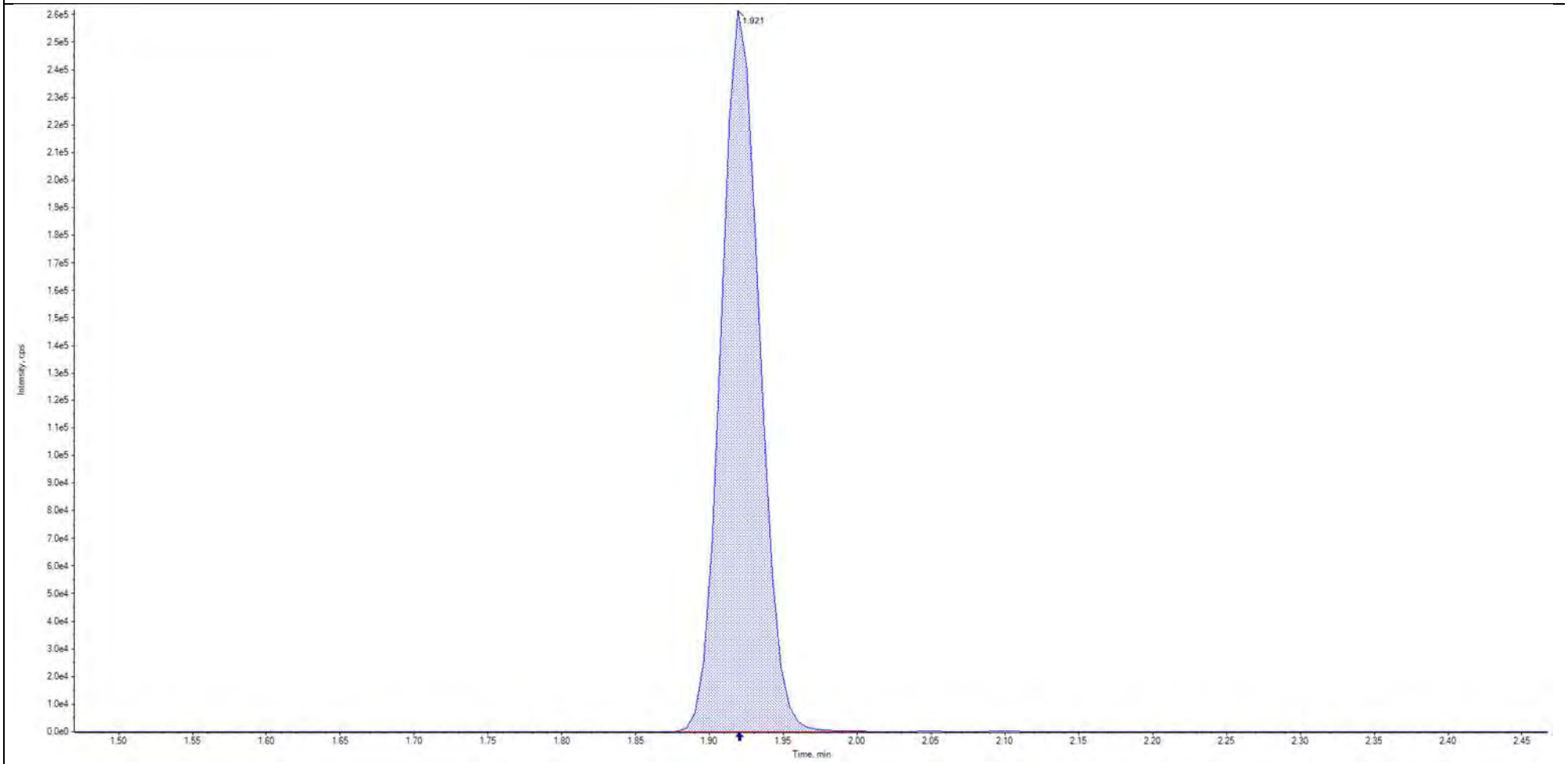
13C3-HFPO-DA
Sample: WG2035972-1,BSICS



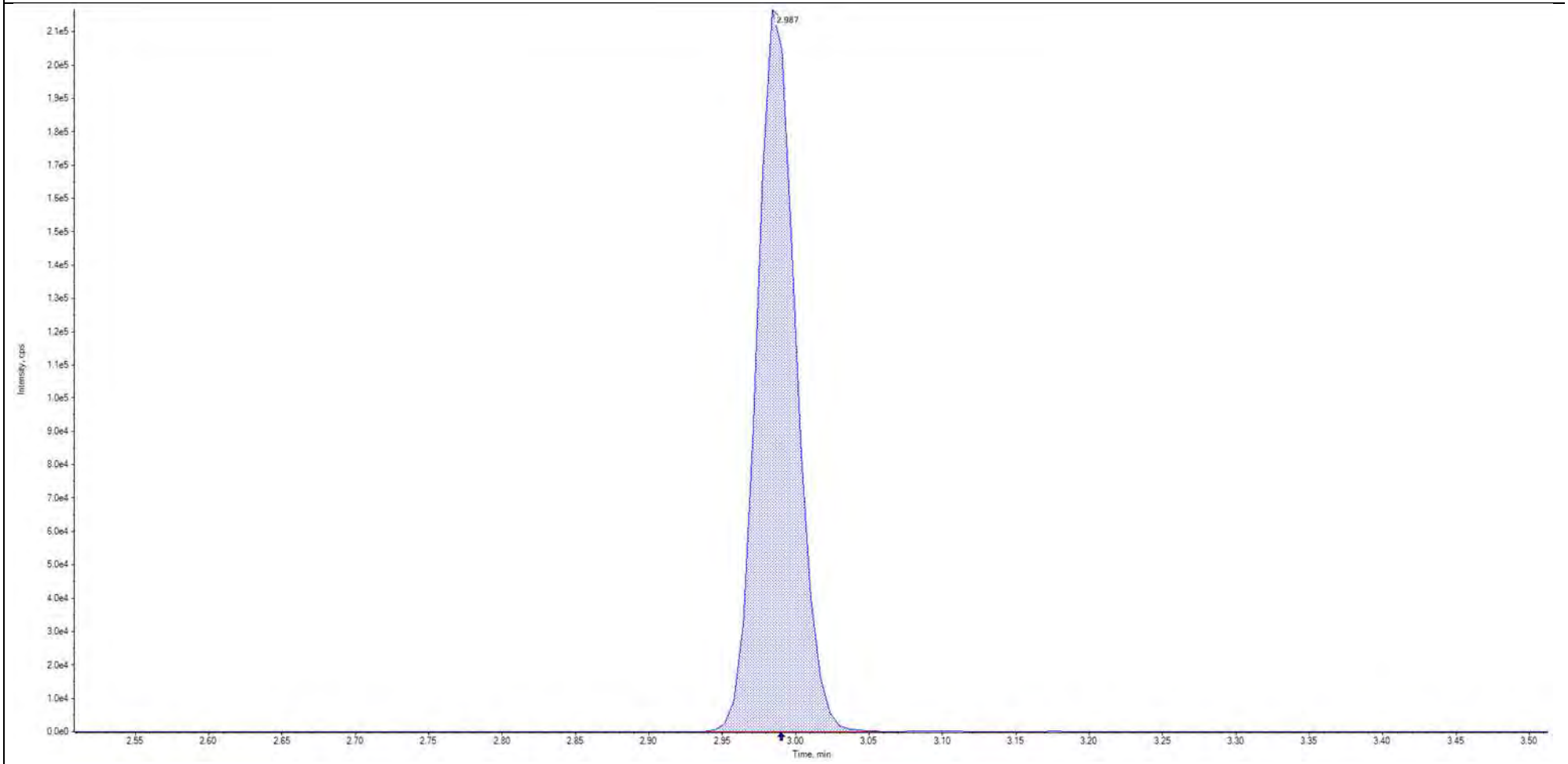
13C3-PFBA
Sample: WG2035972-1,BSICS



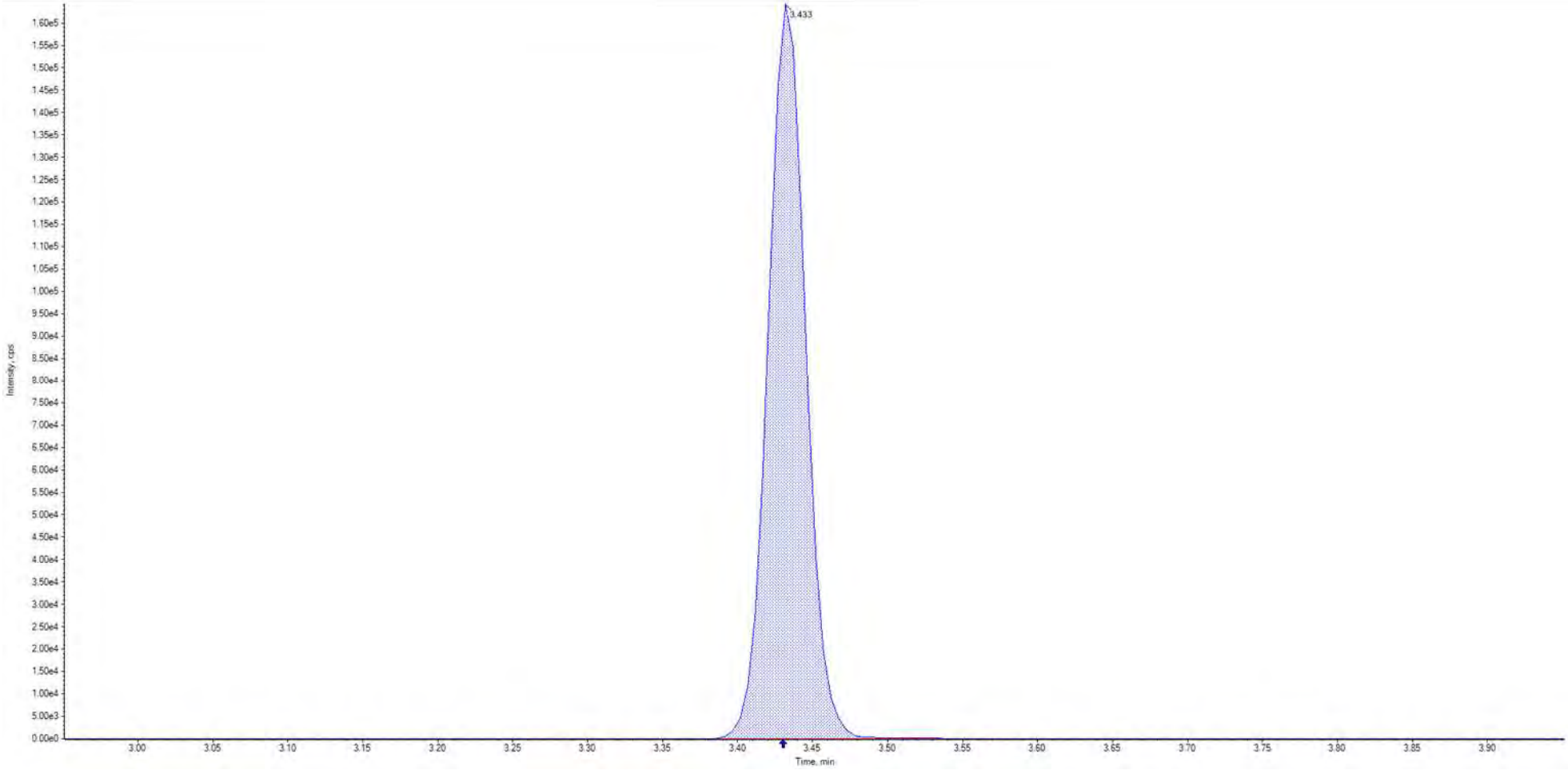
13C2-PFHxA
Sample: WG2035972-1,BSICS



13C4-PFOA
Sample: WG2035972-1,BSICS



13C5-PFNA
Sample: WG2035972-1,BSICS



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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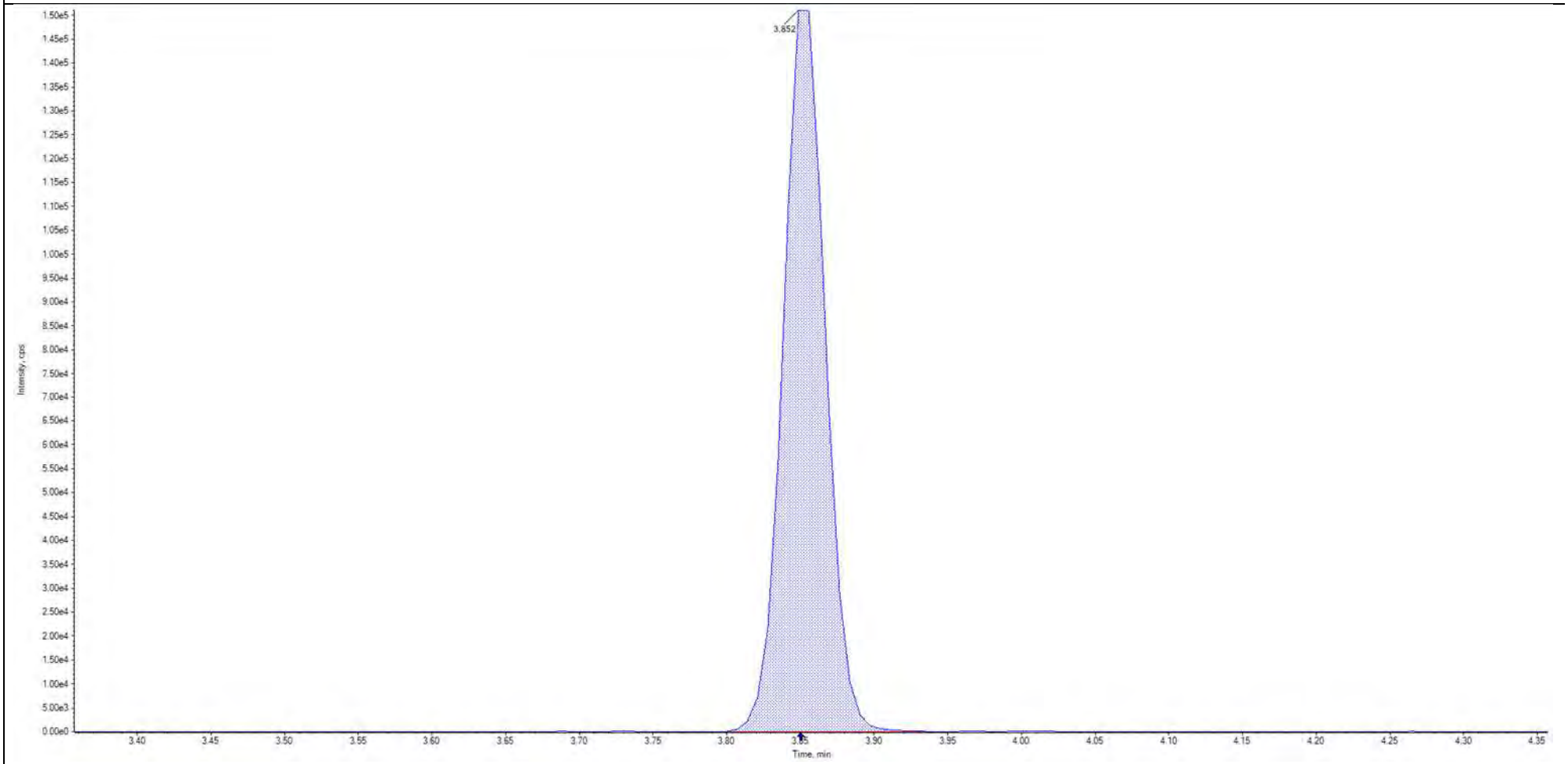
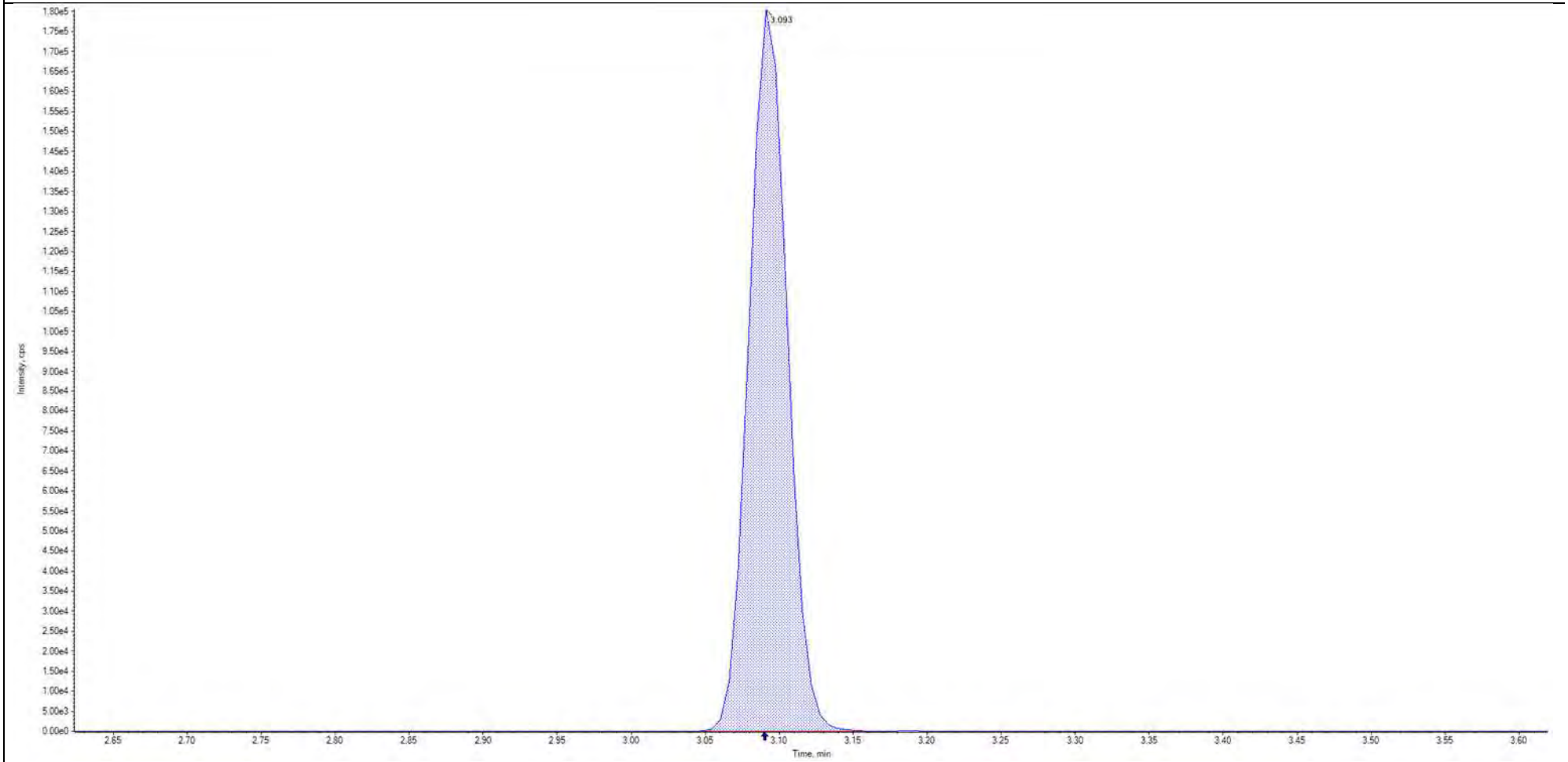
Last Altered: 3/4/2025 7:01:43 AM
Generated: 3/4/2025 5:58:35 AM

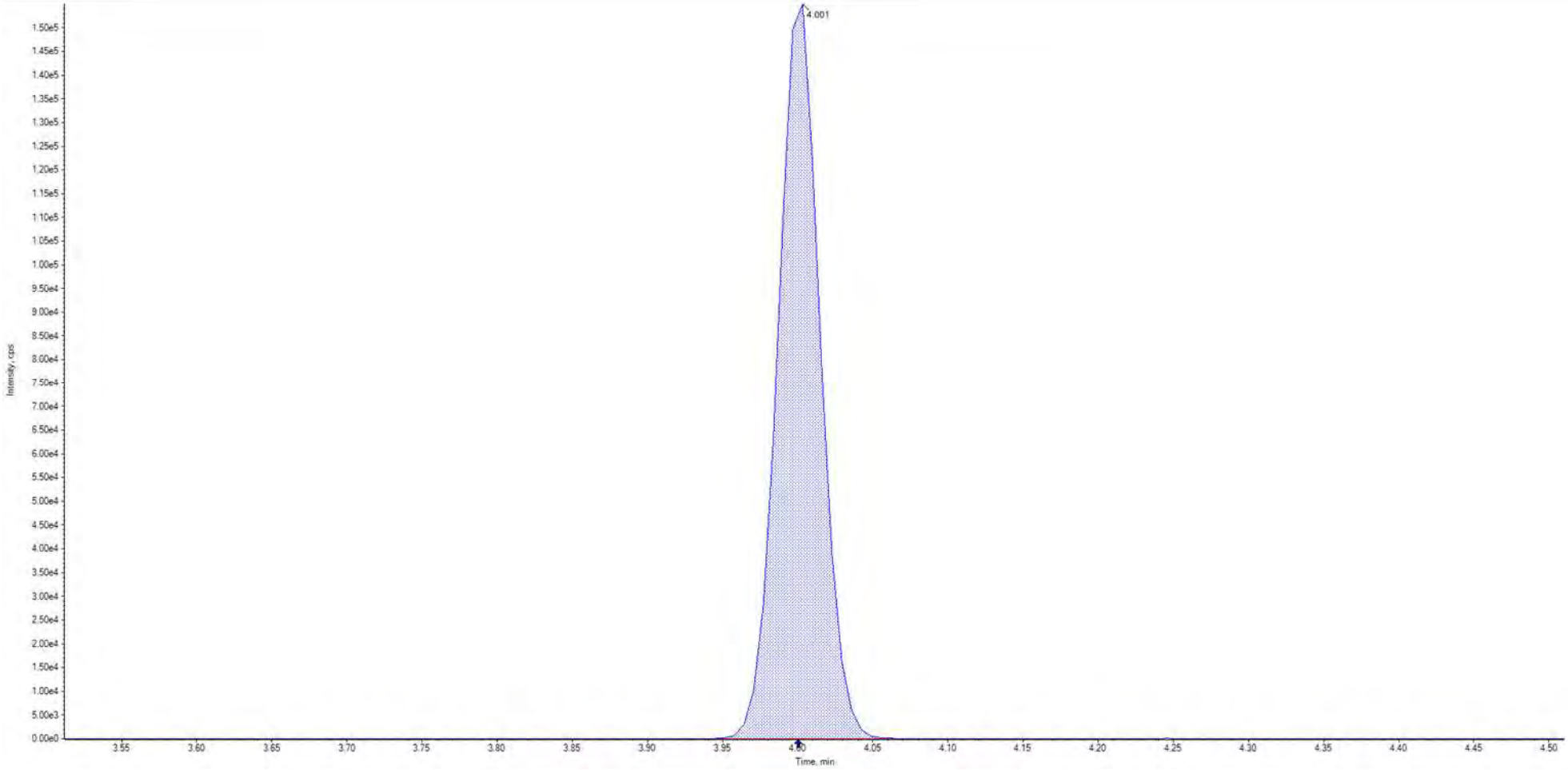
13C2-PFDA
Sample: WG2035972-1,BSICS



18O2-PFHxS
Sample: WG2035972-1,BSICS



13C4-PFOS
Sample: WG2035972-1,BSICS



Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_4
Last Altered: 3/4/2025 7:01:43 AM
Generated: 3/4/2025 5:58:35 AM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

Method: EPA1633F_250303.qmethod
Calibration: 250303_1633_ICAL

ID: WG2035972-2,INSTBLANK
Name: SCI09_250303_31.wiff2
Date & Time: 2025-03-03T16:12:59
Description: WG2035972
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | PFBA | 375-22-4 | N/A | 213.0 / 169.0 | N/A | | N/A | N/A | N/A | N/A | N/A |
| 2 | PFPeA | 2706-90-3 | N/A | 263.0 / 219.0 | N/A | | N/A | N/A | N/A | N/A | N/A |
| 3 | PFPeA_2 | 2706-90-3 | N/A | 263.0 / 68.9 | N/A | | N/A | N/A | N/A | N/A | N/A |
| 4 | PFHxA | 307-24-4 | N/A | 313.0 / 269.0 | N/A | | N/A | N/A | 0.081 | N/A | N/A |
| 5 | PFHxA_2 | 307-24-4 | N/A | 313.0 / 119.0 | N/A | | N/A | N/A | 0.081 | N/A | N/A |
| 6 | PFHpA | 375-85-9 | N/A | 363.1 / 319.0 | N/A | | N/A | N/A | 0.373 | N/A | N/A |
| 7 | PFHpA_2 | 375-85-9 | N/A | 363.1 / 169.0 | N/A | | N/A | N/A | 0.373 | N/A | N/A |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | PFOA | 335-67-1 | N/A | 413.1 / 369.1 | N/A | | N/A | N/A | 0.424 | N/A | N/A |
| 9 | PFOA_2 | 335-67-1 | N/A | 413.1 / 169.0 | N/A | | N/A | N/A | 0.424 | N/A | N/A |
| 10 | PFNA | 375-95-1 | N/A | 462.8 / 418.9 | N/A | | N/A | N/A | 0.493 | N/A | N/A |
| 11 | PFNA_2 | 375-95-1 | N/A | 462.8 / 219.0 | N/A | | N/A | N/A | 0.493 | N/A | N/A |
| 12 | PFDA | 335-76-2 | N/A | 513.1 / 469.1 | N/A | | N/A | N/A | 0.188 | N/A | N/A |
| 13 | PFDA_2 | 335-76-2 | N/A | 513.1 / 219.0 | N/A | | N/A | N/A | 0.188 | N/A | N/A |
| 14 | PFUnA | 2058-94-8 | N/A | 563.1 / 519.1 | N/A | | N/A | N/A | 0.146 | N/A | N/A |
| 15 | PFUnA_2 | 2058-94-8 | N/A | 563.1 / 269.0 | N/A | | N/A | N/A | 0.146 | N/A | N/A |
| 16 | PFDoA | 307-55-1 | N/A | 613.1 / 569.1 | N/A | | N/A | N/A | 0.142 | N/A | N/A |
| 17 | PFDoA_2 | 307-55-1 | N/A | 613.1 / 319.0 | N/A | | N/A | N/A | 0.142 | N/A | N/A |
| 18 | PFTrDA | 72629-94-8 | 5.02 | 663.1 / 619.1 | 7856 | | 0.030 | 0.172 | 0.152 | Pass | N/A |
| 19 | PFTrDA_2 | 72629-94-8 | 5.02 | 663.1 / 169.0 | 1352 | M2 | 0.034 | 0.172 | 0.152 | Pass | N/A |
| 20 | PFTeDA | 376-06-7 | 5.39 | 713.1 / 669.1 | 11189 | | 0.048 | 0.181 | 0.154 | Pass | N/A |
| 21 | PFTeDA_2 | 376-06-7 | 5.39 | 713.1 / 169.0 | 2028 | M2 | 0.053 | 0.181 | 0.154 | Pass | N/A |
| 22 | PFBS | 375-73-5 | N/A | 299.1 / 80.1 | N/A | | N/A | N/A | 0.374 | N/A | N/A |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | PFBS_2 | 375-73-5 | N/A | 299.1 / 99.1 | N/A | | N/A | N/A | 0.374 | N/A | N/A |
| 24 | PFPeS | 2706-91-4 | N/A | 349.1 / 80.1 | N/A | | N/A | N/A | 0.314 | N/A | N/A |
| 25 | PFPeS_2 | 2706-91-4 | N/A | 349.1 / 99.1 | N/A | | N/A | N/A | 0.314 | N/A | N/A |
| 26 | PFHxS | 355-46-4 | N/A | 399.1 / 80.1 | N/A | | N/A | N/A | 0.306 | N/A | N/A |
| 27 | PFHxS_2 | 355-46-4 | N/A | 399.1 / 99.1 | N/A | | N/A | N/A | 0.306 | N/A | N/A |
| 28 | PFHpS | 375-92-8 | N/A | 449.1 / 80.1 | N/A | | N/A | N/A | 0.316 | N/A | N/A |
| 29 | PFHpS_2 | 375-92-8 | N/A | 449.1 / 99.1 | N/A | | N/A | N/A | 0.316 | N/A | N/A |
| 30 | PFOS | 1763-23-1 | N/A | 499.1 / 80.1 | N/A | | N/A | N/A | 0.244 | N/A | N/A |
| 31 | PFOS_2 | 1763-23-1 | N/A | 499.1 / 99.1 | N/A | | N/A | N/A | 0.244 | N/A | N/A |
| 32 | PFNS | 68259-12-1 | N/A | 549.1 / 80.1 | N/A | | N/A | N/A | 0.294 | N/A | N/A |
| 33 | PFNS_2 | 68259-12-1 | N/A | 549.1 / 99.1 | N/A | | N/A | N/A | 0.294 | N/A | N/A |
| 34 | PFDS | 335-77-3 | N/A | 599.1 / 80.1 | N/A | | N/A | N/A | 0.290 | N/A | N/A |
| 35 | PFDS_2 | 335-77-3 | N/A | 599.1 / 99.1 | N/A | | N/A | N/A | 0.290 | N/A | N/A |
| 36 | PFDoS | 79780-39-5 | N/A | 699.2 / 80.1 | N/A | | N/A | N/A | 0.256 | N/A | N/A |
| 37 | PFDoS_2 | 79780-39-5 | N/A | 699.2 / 99.1 | N/A | | N/A | N/A | 0.256 | N/A | N/A |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 38 | 4:2FTS | 757124-72-4 | N/A | 327.1 / 307.1 | N/A | | N/A | N/A | 0.650 | N/A | N/A |
| 39 | 4:2FTS_2 | 757124-72-4 | N/A | 327.1 / 81.1 | N/A | | N/A | N/A | 0.650 | N/A | N/A |
| 40 | 6:2FTS | 27619-97-2 | N/A | 427.2 / 407.2 | N/A | | N/A | N/A | 0.620 | N/A | N/A |
| 41 | 6:2FTS_2 | 27619-97-2 | N/A | 427.2 / 81.1 | N/A | | N/A | N/A | 0.620 | N/A | N/A |
| 42 | 8:2FTS | 39108-34-4 | N/A | 527.2 / 507.2 | N/A | | N/A | N/A | 0.676 | N/A | N/A |
| 43 | 8:2FTS_2 | 39108-34-4 | N/A | 527.2 / 81.1 | N/A | | N/A | N/A | 0.676 | N/A | N/A |
| 44 | PFOSA | 754-91-6 | N/A | 498.1 / 78.1 | N/A | | N/A | N/A | 0.026 | N/A | N/A |
| 45 | PFOSA_2 | 754-91-6 | N/A | 498.1 / 478.0 | N/A | | N/A | N/A | 0.026 | N/A | N/A |
| 46 | NMeFOSA | 31506-32-8 | N/A | 512.2 / 219.0 | N/A | | N/A | N/A | 1.377 | N/A | N/A |
| 47 | NMeFOSA_2 | 31506-32-8 | N/A | 512.2 / 169.0 | N/A | | N/A | N/A | 1.377 | N/A | N/A |
| 48 | NEtFOSA | 4151-50-2 | N/A | 526.2 / 219.0 | N/A | | N/A | N/A | 1.292 | N/A | N/A |
| 49 | NEtFOSA_2 | 4151-50-2 | N/A | 526.2 / 169.0 | N/A | | N/A | N/A | 1.292 | N/A | N/A |
| 50 | NMeFOSAA | 2355-31-9 | N/A | 570.2 / 419.1 | N/A | | N/A | N/A | 0.697 | N/A | N/A |
| 51 | NMeFOSAA_2 | 2355-31-9 | N/A | 570.2 / 483.0 | N/A | | N/A | N/A | 0.697 | N/A | N/A |
| 52 | NEtFOSAA | 2991-50-6 | N/A | 584.2 / 419.1 | N/A | | N/A | N/A | 0.557 | N/A | N/A |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | NEtFOSAA_2 | 2991-50-6 | N/A | 584.2 / 526.2 | N/A | | N/A | N/A | 0.557 | N/A | N/A |
| 54 | NMeFOSE | 24448-09-7 | 5.84 | 616.1 / 58.9 | 6097 | M5 | 0.081 | N/A | N/A | N/A | N/A |
| 55 | NEtFOSE | 1691-99-2 | 6.13 | 630.0 / 58.9 | 9057 | M5 | 0.084 | N/A | N/A | N/A | N/A |
| 56 | HFPO-DA | 13252-13-6 | N/A | 285.0 / 169.0 | N/A | | N/A | N/A | 0.501 | N/A | N/A |
| 57 | HFPO-DA_2 | 13252-13-6 | N/A | 285.0 / 184.9 | N/A | | N/A | N/A | 0.501 | N/A | N/A |
| 58 | ADONA | 919005-14-4 | N/A | 376.9 / 251.0 | N/A | | N/A | N/A | 0.691 | N/A | N/A |
| 59 | ADONA_2 | 919005-14-4 | N/A | 376.9 / 84.8 | N/A | | N/A | N/A | 0.691 | N/A | N/A |
| 60 | 9Cl-PF3ONS | 756426-58-1 | N/A | 530.8 / 351.1 | N/A | | N/A | N/A | 0.332 | N/A | N/A |
| 61 | 9Cl-PF3ONS_2 | 756426-58-1 | N/A | 532.8 / 353.0 | N/A | | N/A | N/A | 0.332 | N/A | N/A |
| 62 | 11Cl-PF3OUdS | 763051-92-9 | N/A | 630.9 / 451.0 | N/A | | N/A | N/A | 0.322 | N/A | N/A |
| 63 | 11Cl-PF3OUdS_2 | 763051-92-9 | N/A | 632.9 / 452.9 | N/A | | N/A | N/A | 0.322 | N/A | N/A |
| 64 | 3:3FTCA | 356-02-5 | N/A | 241.1 / 177.1 | N/A | | N/A | N/A | 1.010 | N/A | N/A |
| 65 | 3:3FTCA_2 | 356-02-5 | N/A | 241.1 / 117.0 | N/A | | N/A | N/A | 1.010 | N/A | N/A |
| 66 | 5:3FTCA | 914637-49-3 | N/A | 341.1 / 237.1 | N/A | | N/A | N/A | 1.017 | N/A | N/A |
| 67 | 5:3FTCA_2 | 914637-49-3 | N/A | 341.1 / 217.0 | N/A | | N/A | N/A | 1.017 | N/A | N/A |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 7:3FTCA | 812-70-4 | 4.00 | 441.1 / 316.9 | 12498 | | 0.286 | 1.557 | 1.343 | Pass | N/A |
| 69 | 7:3FTCA_2 | 812-70-4 | 4.00 | 441.1 / 337.1 | 19463 | | 0.337 | 1.557 | 1.343 | Pass | N/A |
| 70 | PFEESA | 113507-82-7 | N/A | 315.1 / 135.0 | N/A | | N/A | N/A | 0.081 | N/A | N/A |
| 71 | PFEESA_2 | 113507-82-7 | N/A | 315.1 / 82.9 | N/A | | N/A | N/A | 0.081 | N/A | N/A |
| 72 | PFMPA | 377-73-1 | N/A | 229.0 / 85.0 | N/A | | N/A | N/A | N/A | N/A | N/A |
| 73 | PFMBA | 863090-89-5 | N/A | 279.0 / 85.0 | N/A | | N/A | N/A | N/A | N/A | N/A |
| 74 | NFDHA | 151772-58-6 | N/A | 295.0 / 201.0 | N/A | | N/A | N/A | 0.681 | N/A | N/A |
| 75 | NFDHA_2 | 151772-58-6 | N/A | 295.0 / 84.9 | N/A | | N/A | N/A | 0.681 | N/A | N/A |
| 76 | TDCA | 516-50-7 | N/A | 499.1 / 124.1 | N/A | | N/A | N/A | 5.680 | N/A | N/A |
| 77 | TDCA_2 | 516-50-7 | N/A | 499.1 / 79.9 | N/A | | N/A | N/A | 5.680 | N/A | N/A |
| 78 | 13C2D4-4:2FTS | Surr | 1.68 | 333.2 / 312.1 | 163004 | | 5.426 | N/A | N/A | N/A | N/A |
| 79 | 13C2-PFOA | Surr | 2.97 | 415.0 / 370.0 | 383199 | | 2.381 | N/A | N/A | N/A | N/A |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C4-PFBA | EIS | 0.57 | 217.0 / 172.0 | 2009804 | | 9.632 | 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 | 1.14 | 268.0 / 223.0 | 846441 | | 4.852 | NA | NA | NA | 97.0 |
| 13C5-PFHxA | EIS | 1.90 | 318.0 / 273.0 | 390861 | | 2.383 | NA | NA | NA | 95.3 |
| 13C4-PFHpA | EIS | 2.48 | 367.0 / 322.0 | 397769 | | 2.514 | NA | NA | NA | 100.6 |
| 13C8-PFOA | EIS | 2.97 | 420.8 / 376.0 | 671411 | | 2.320 | NA | NA | NA | 92.8 |
| 13C9-PFNA | EIS | 3.42 | 472.0 / 427.0 | 298321 | | 1.152 | NA | NA | NA | 92.2 |
| 13C6-PFDA | EIS | 3.85 | 519.0 / 474.0 | 331466 | | 1.262 | NA | NA | NA | 100.9 |
| 13C7-PFUnA | EIS | 4.25 | 570.0 / 525.0 | 375345 | | 1.294 | 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 | 4.64 | 615.1 / 570.0 | 394277 | | 1.352 | NA | NA | NA | 108.1 |
| | 13C2-PFTeDA | EIS | 5.39 | 715.1 / 670.1 | 255452 | | 1.351 | NA | NA | NA | 108.0 |
| | 13C3-PFBS | EIS | 1.90 | 302.1 / 80.1 | 401941 | | 2.359 | NA | NA | NA | 101.3 |
| | 13C3-PFHxS | EIS | 3.08 | 402.1 / 80.1 | 339577 | | 2.243 | NA | NA | NA | 94.6 |
| | 13C8-PFOS | EIS | 4.00 | 507.1 / 80.1 | 384796 | | 2.288 | NA | NA | NA | 95.3 |
| | 13C2-4:2FTS | EIS | 1.69 | 329.1 / 81.1 | 115495 | | 4.597 | NA | NA | NA | 98.0 |
| | 13C2-6:2FTS | EIS | 2.79 | 429.2 / 81.1 | 104257 | | 4.820 | NA | NA | NA | 101.3 |
| | 13C2-8:2FTS | EIS | 3.66 | 529.2 / 81.1 | 95174 | | 4.346 | NA | NA | NA | 90.5 |

| Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| 13C8-PFOSA | EIS | 5.23 | 506.1 / 78.1 | 669458 | | 2.507 | NA | NA | NA | 100.3 |
| d3-NMeFOSA | EIS | 5.96 | 515.2 / 219.0 | 111540 | | 2.313 | NA | NA | NA | 92.5 |
| d5-NEtFOSA | EIS | 6.25 | 531.2 / 219.0 | 108010 | | 2.463 | NA | NA | NA | 98.5 |
| d3-NMeFOSAA | EIS | 3.98 | 573.2 / 419.1 | 174468 | | 5.288 | NA | NA | NA | 105.8 |
| d5-NEtFOSAA | EIS | 4.18 | 589.3 / 419.1 | 146376 | | 5.552 | NA | NA | NA | 111.0 |
| d7-NMeFOSE | EIS | 5.82 | 623.2 / 58.9 | 826844 | | 23.840 | NA | NA | NA | 95.4 |
| d9-NEtFOSE | EIS | 6.11 | 639.2 / 58.9 | 1144650 | | 24.602 | NA | NA | NA | 98.4 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C3-HFPO-DA | EIS | 2.11 | 287.0 / 169.0 | 1759107 | | 10.141 | NA | NA | NA | 101.4 |
| | 13C3-PFBA | NIS | 0.57 | 216.0 / 172.0 | 923253 | | 6.370 | NA | NA | NA | 127.4 |
| | 13C2-PFHxA | NIS | 1.90 | 315.0 / 270.0 | 482941 | | 2.980 | NA | NA | NA | 119.2 |
| | 13C4-PFOA | NIS | 2.97 | 417.0 / 372.0 | 439739 | | 3.059 | NA | NA | NA | 122.4 |
| | 13C5-PFNA | NIS | 3.42 | 468.0 / 423.0 | 324299 | | 1.574 | NA | NA | NA | 125.9 |
| | 13C2-PFDA | NIS | 3.85 | 515.1 / 470.1 | 306654 | | 1.442 | NA | NA | NA | 115.4 |
| | 18O2-PFHxS | NIS | 3.08 | 403.1 / 84.1 | 318424 | | 2.705 | NA | NA | NA | 114.1 |
| | 13C4-PFOS | NIS | 4.00 | 503.1 / 80.1 | 338374 | | 2.815 | NA | NA | NA | 117.3 |

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

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

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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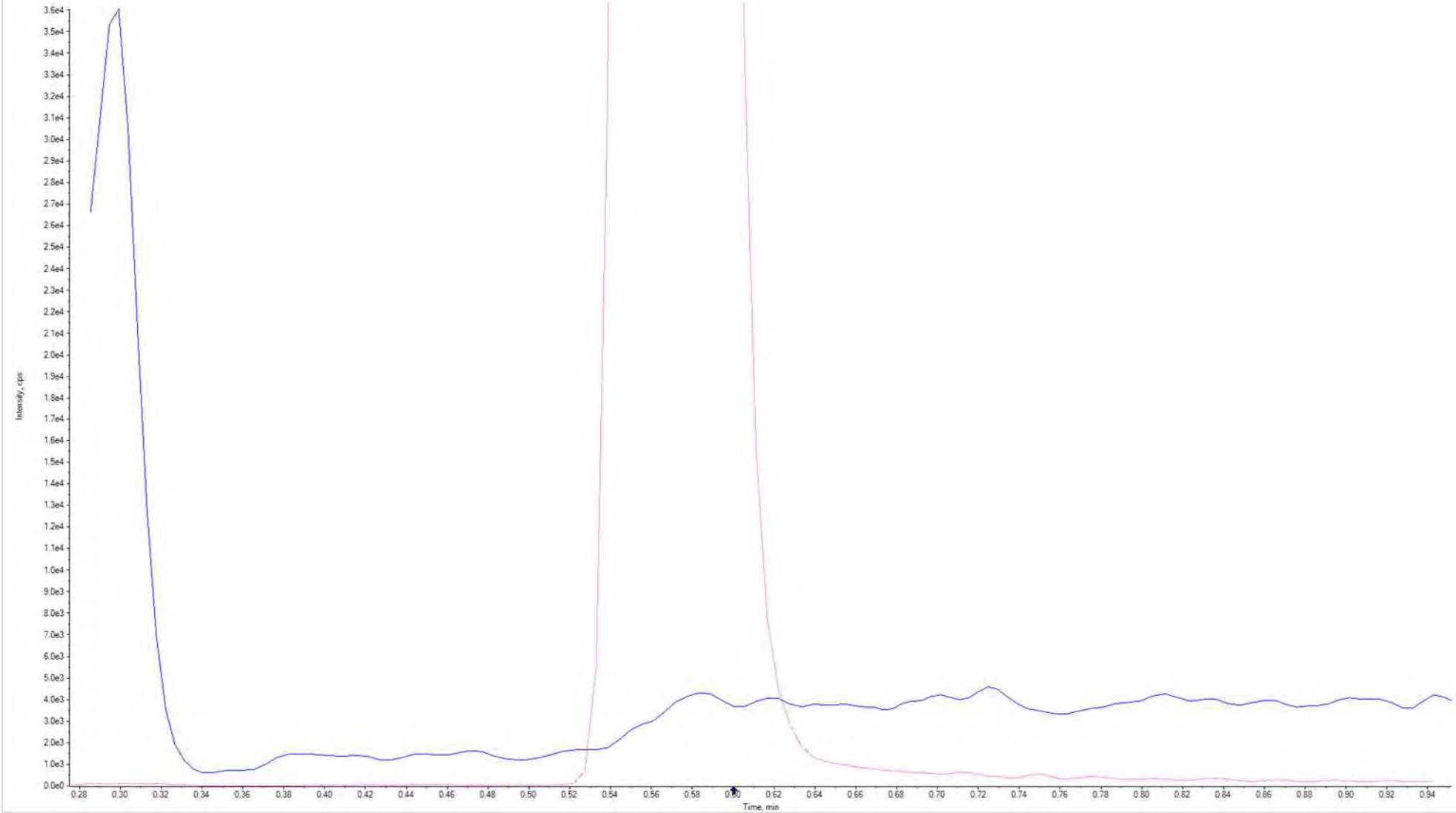
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFBA
Sample: WG2035972-2,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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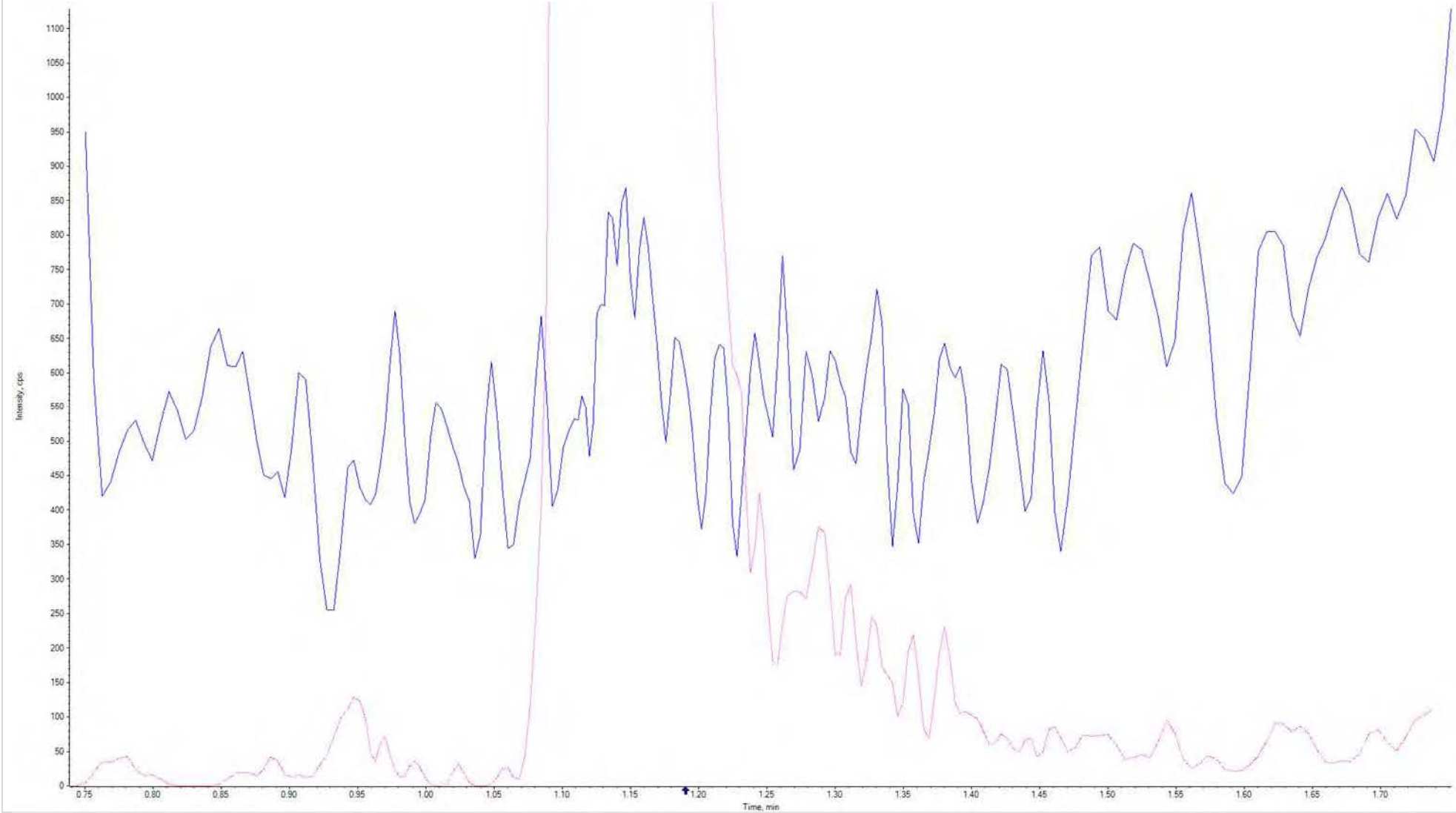
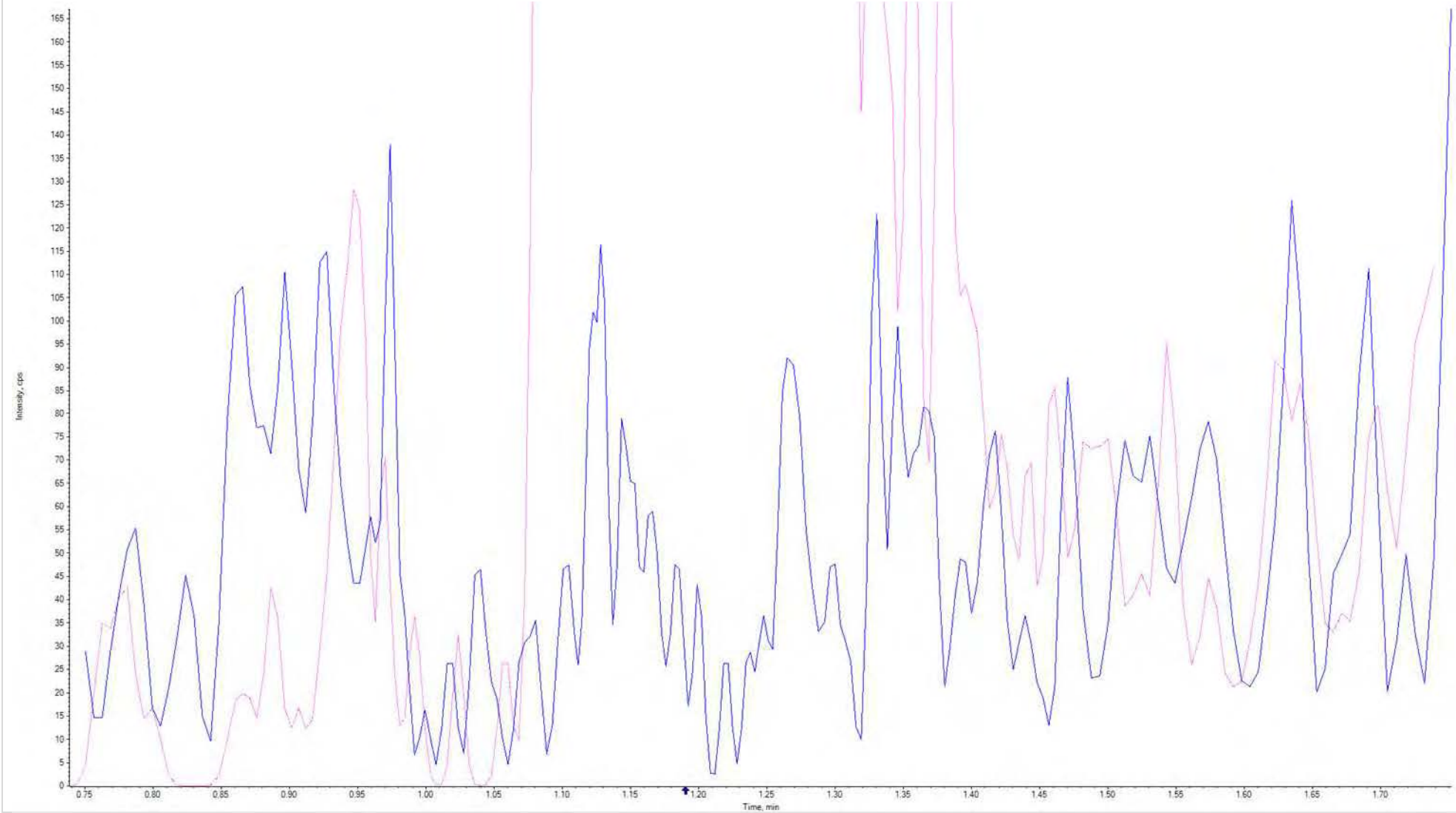
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFPeA
Sample: WG2035972-2,INSTBLANK S/N:N/A Points Across peak:N/A



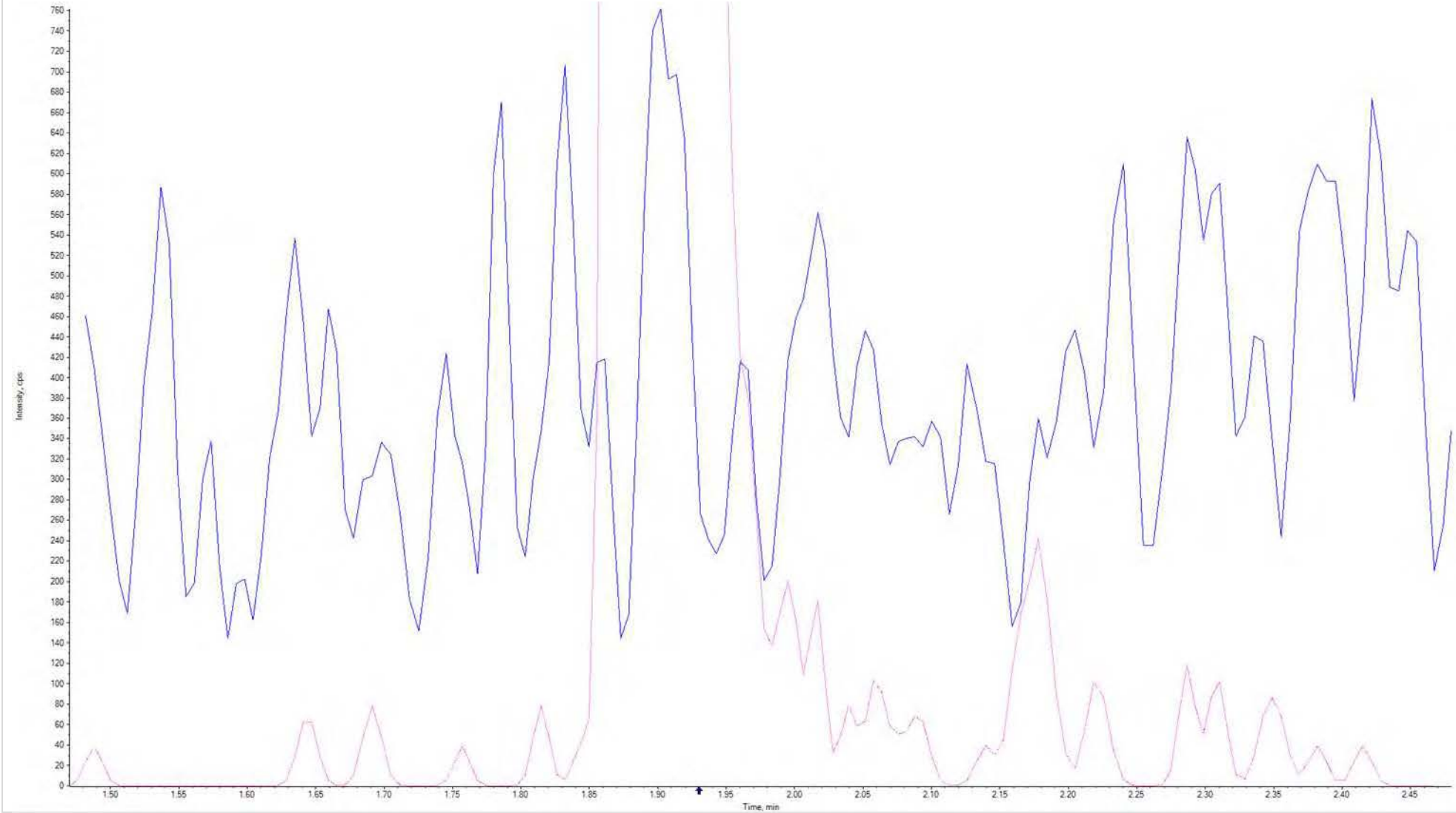
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFPeA_2
Sample: WG2035972-2,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\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFHxA
Sample: WG2035972-2,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\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFHxA_2
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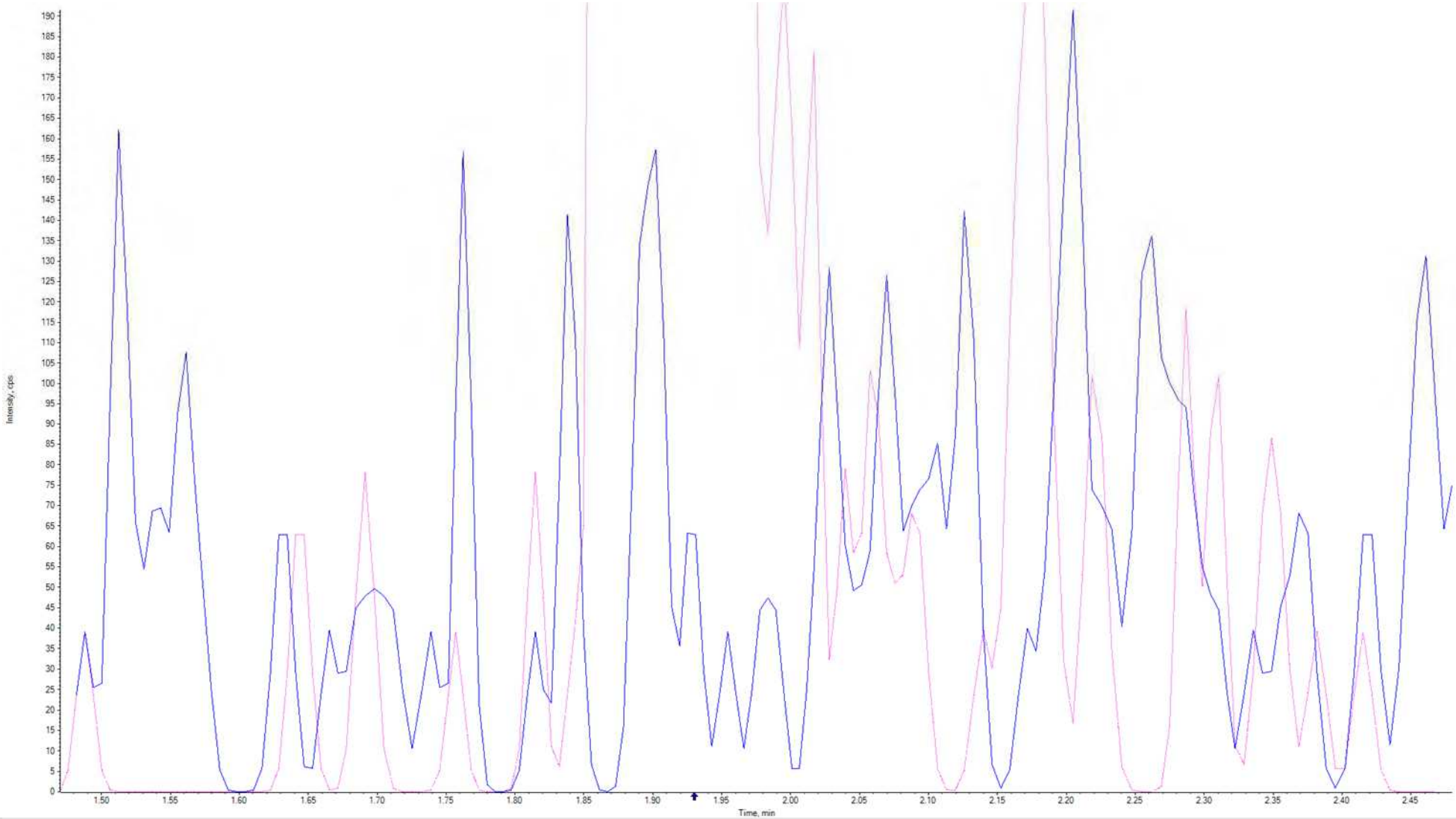

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFHpA
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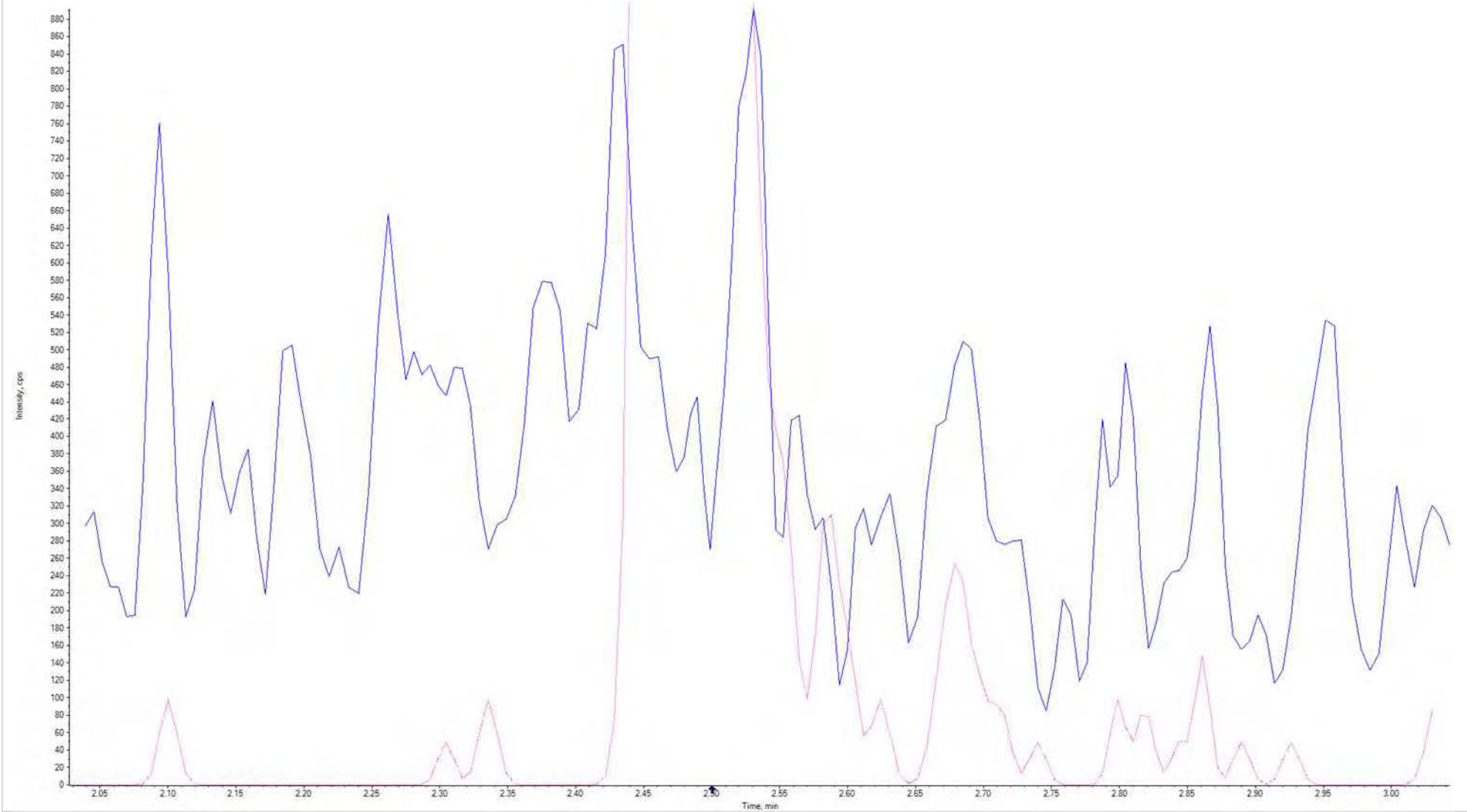
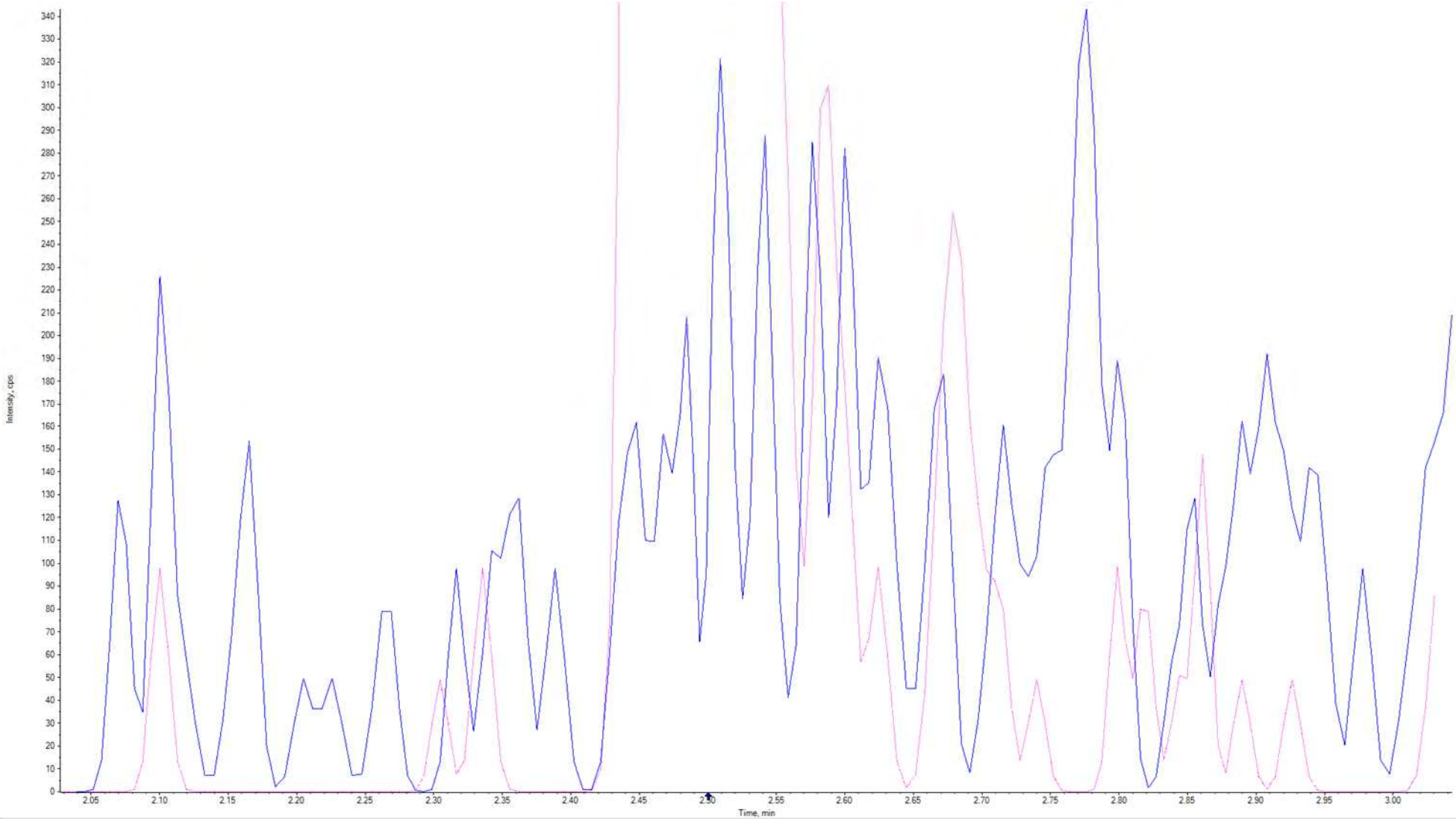
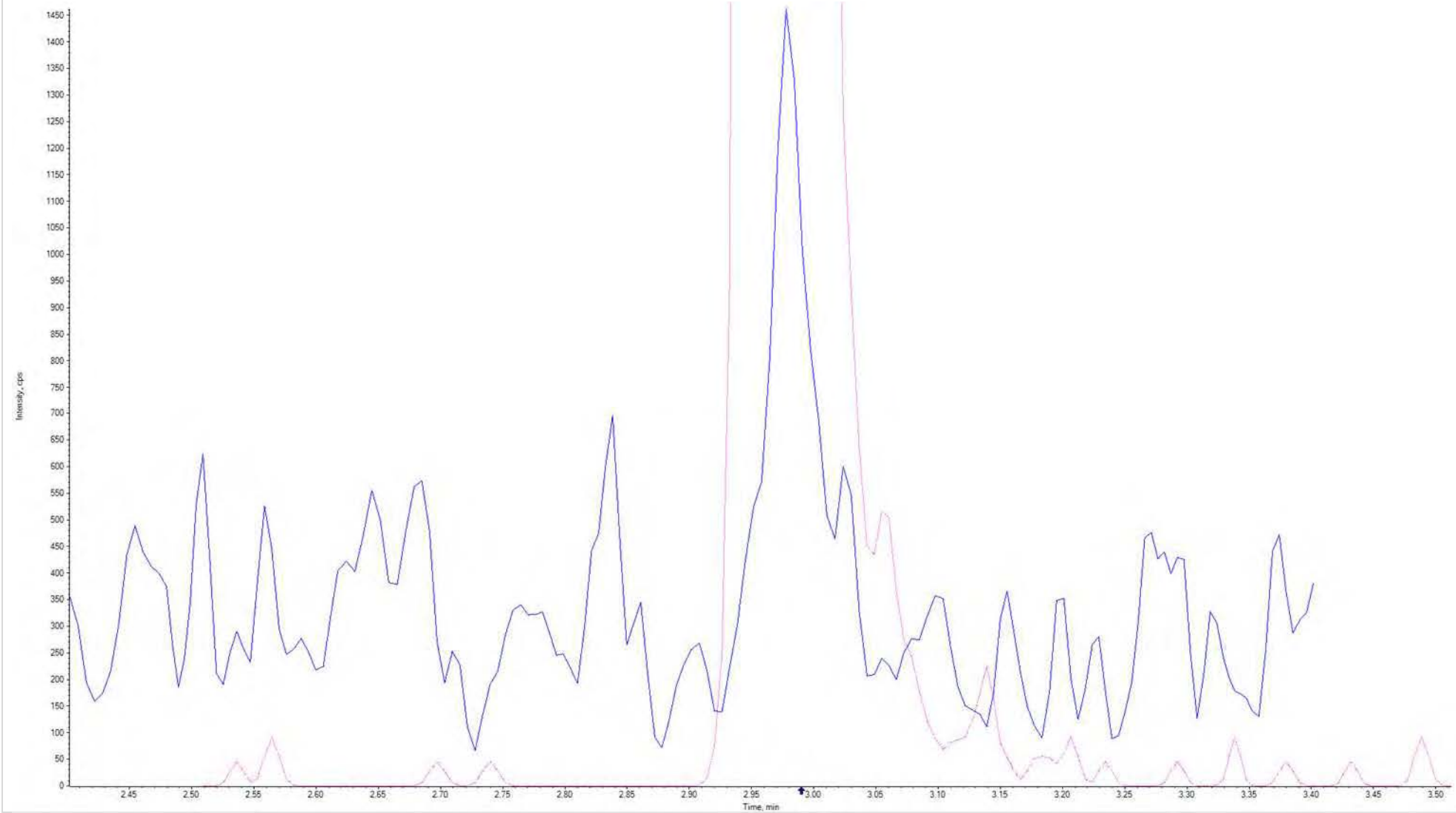


PFHpA_2
Sample: WG2035972-2,INSTBLANK S/N:N/A Points Across peak:N/A



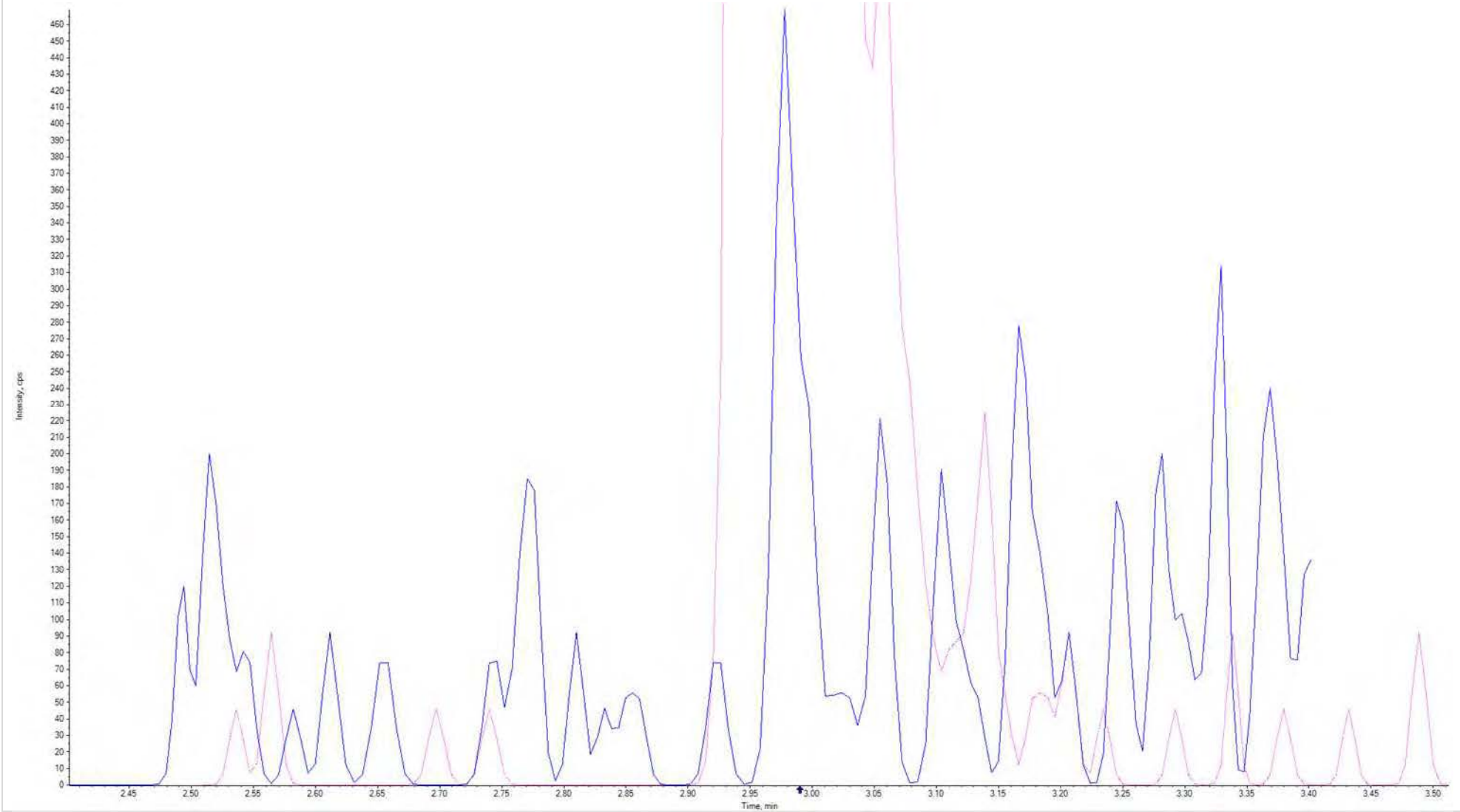
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFOA
Sample: WG2035972-2,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\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFOA_2
Sample: WG2035972-2,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: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFNA
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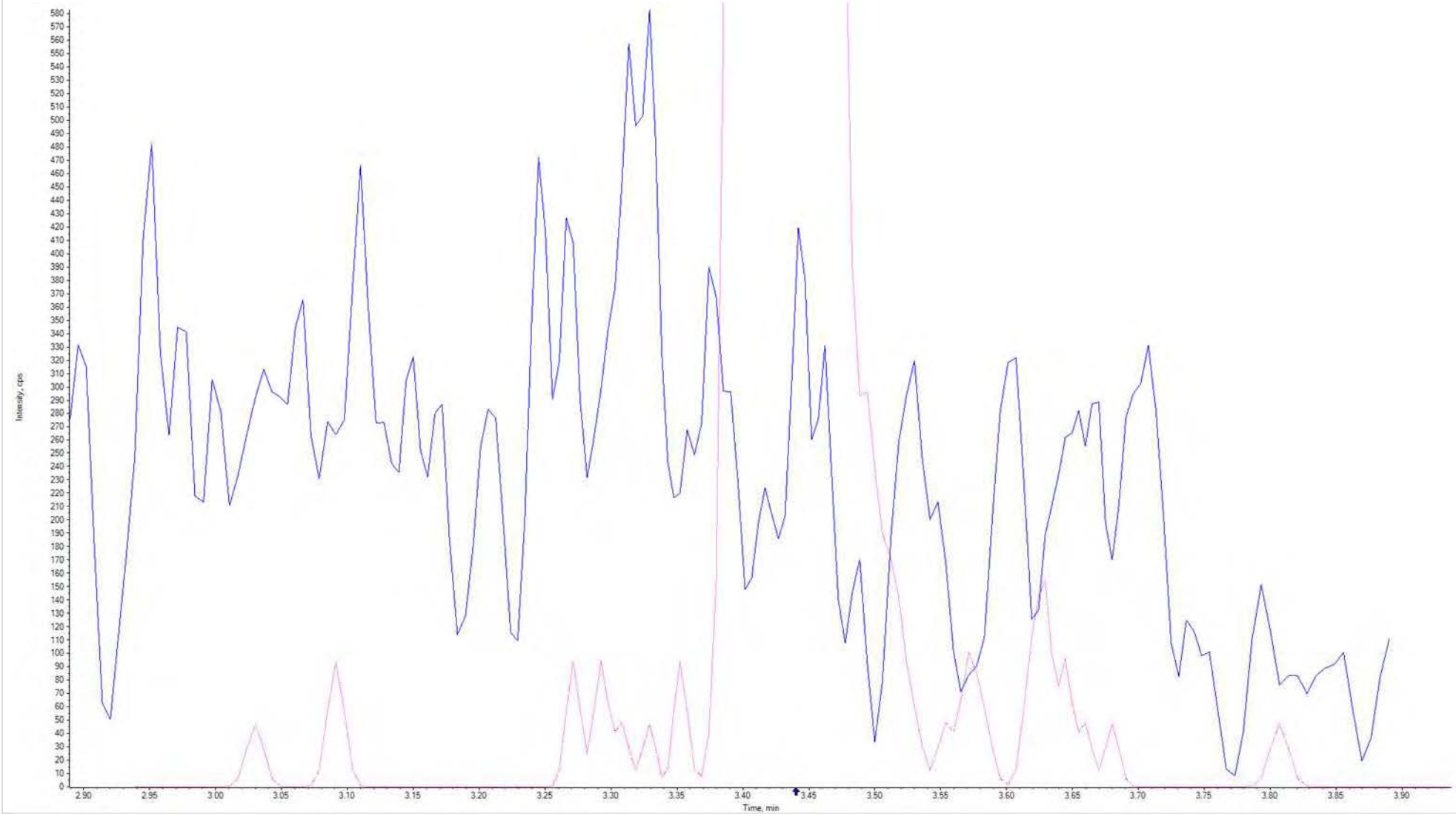

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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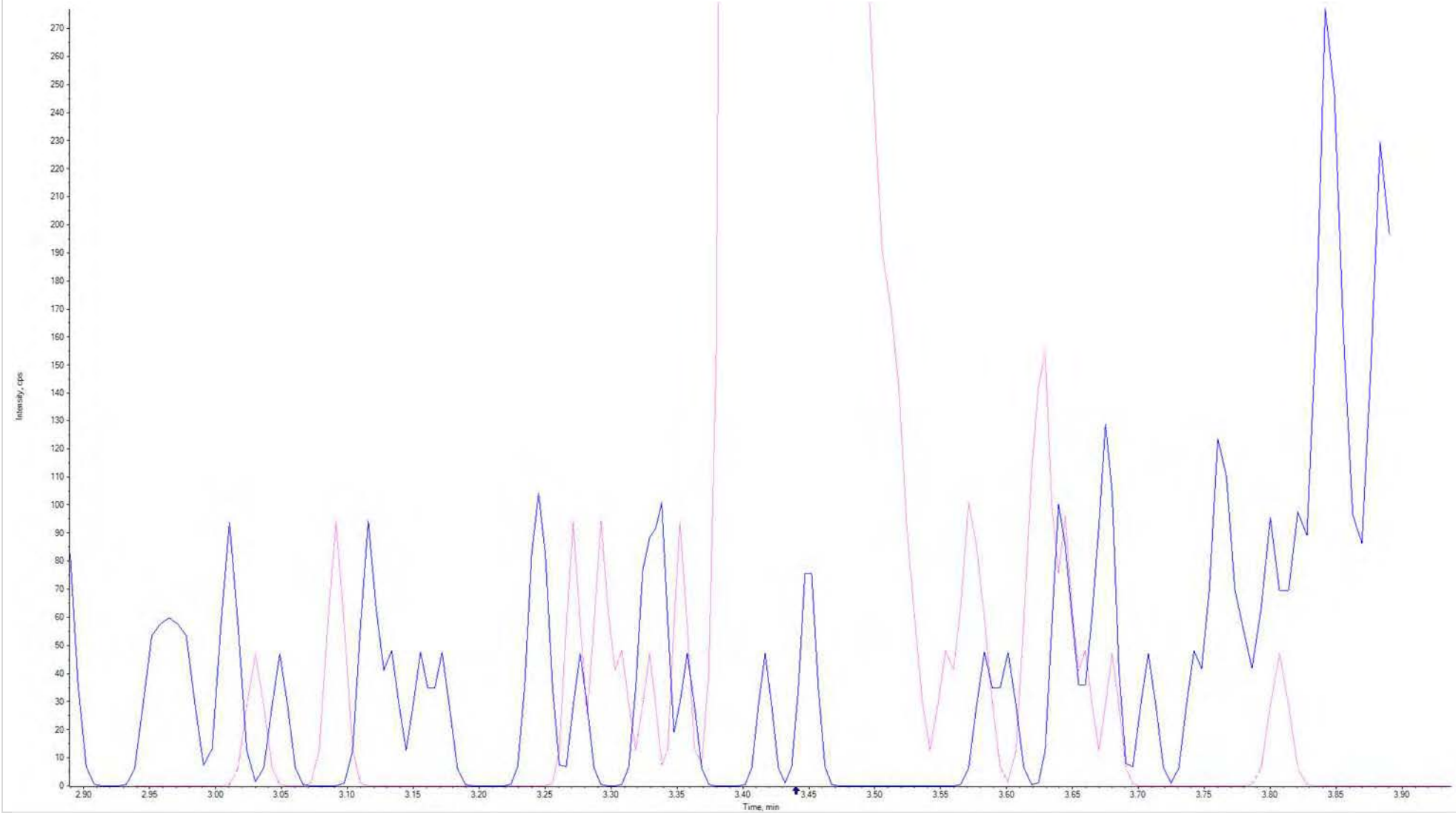
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFNA_2
Sample: WG2035972-2,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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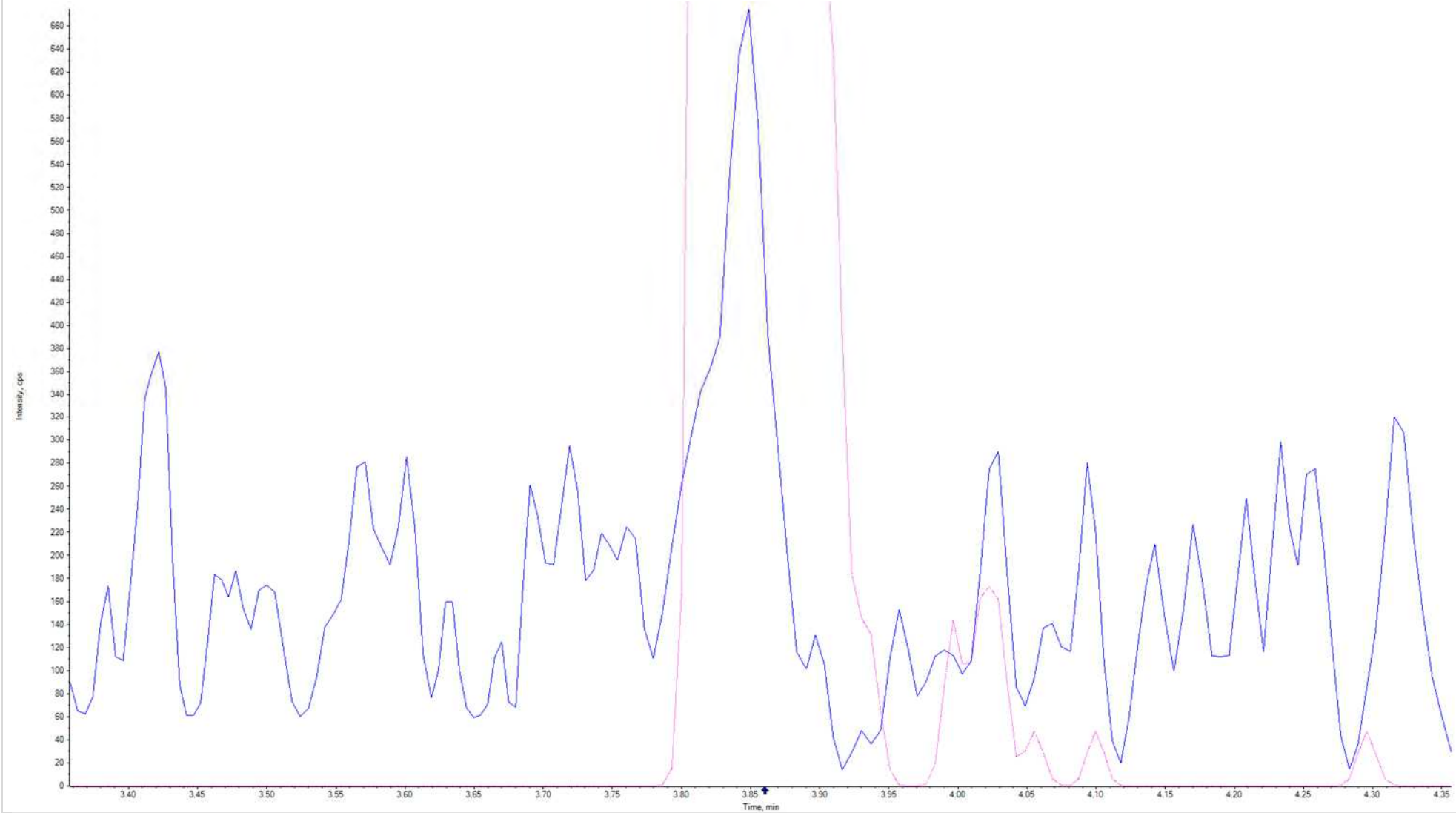
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFDA
Sample: WG2035972-2,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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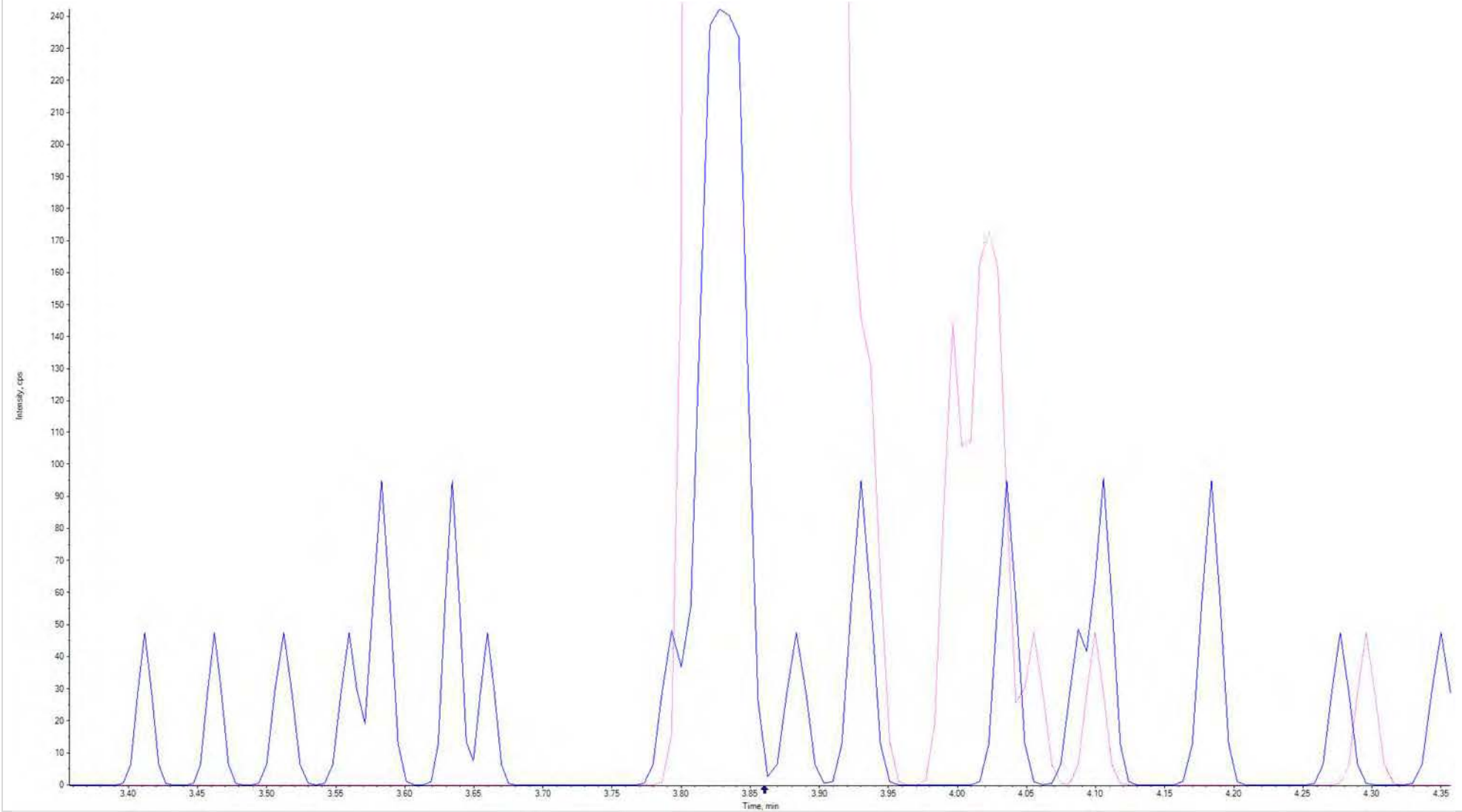
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFDA_2
Sample: WG2035972-2,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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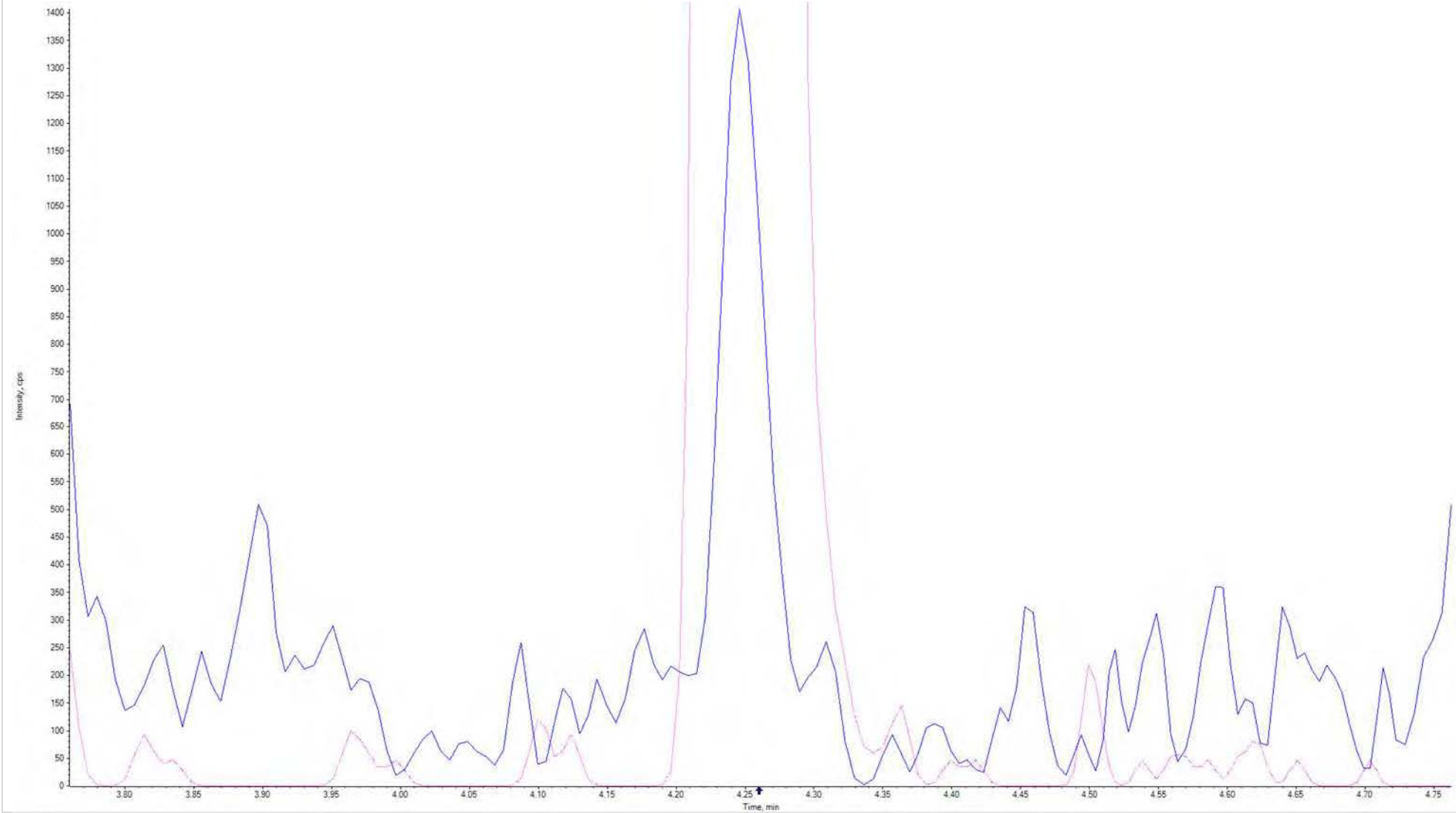
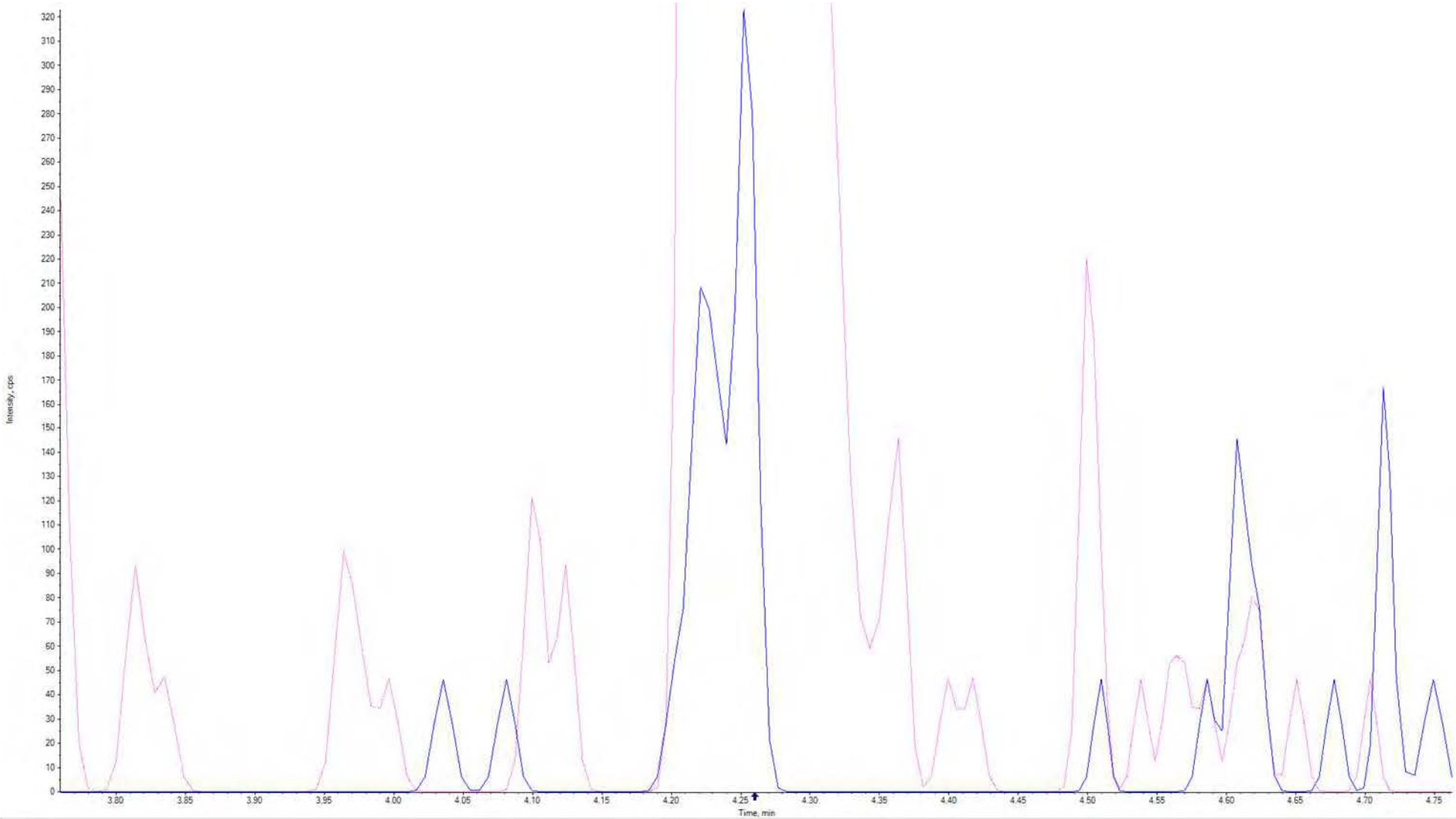
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFUnA
Sample: WG2035972-2,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\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFUnA_2
Sample: WG2035972-2,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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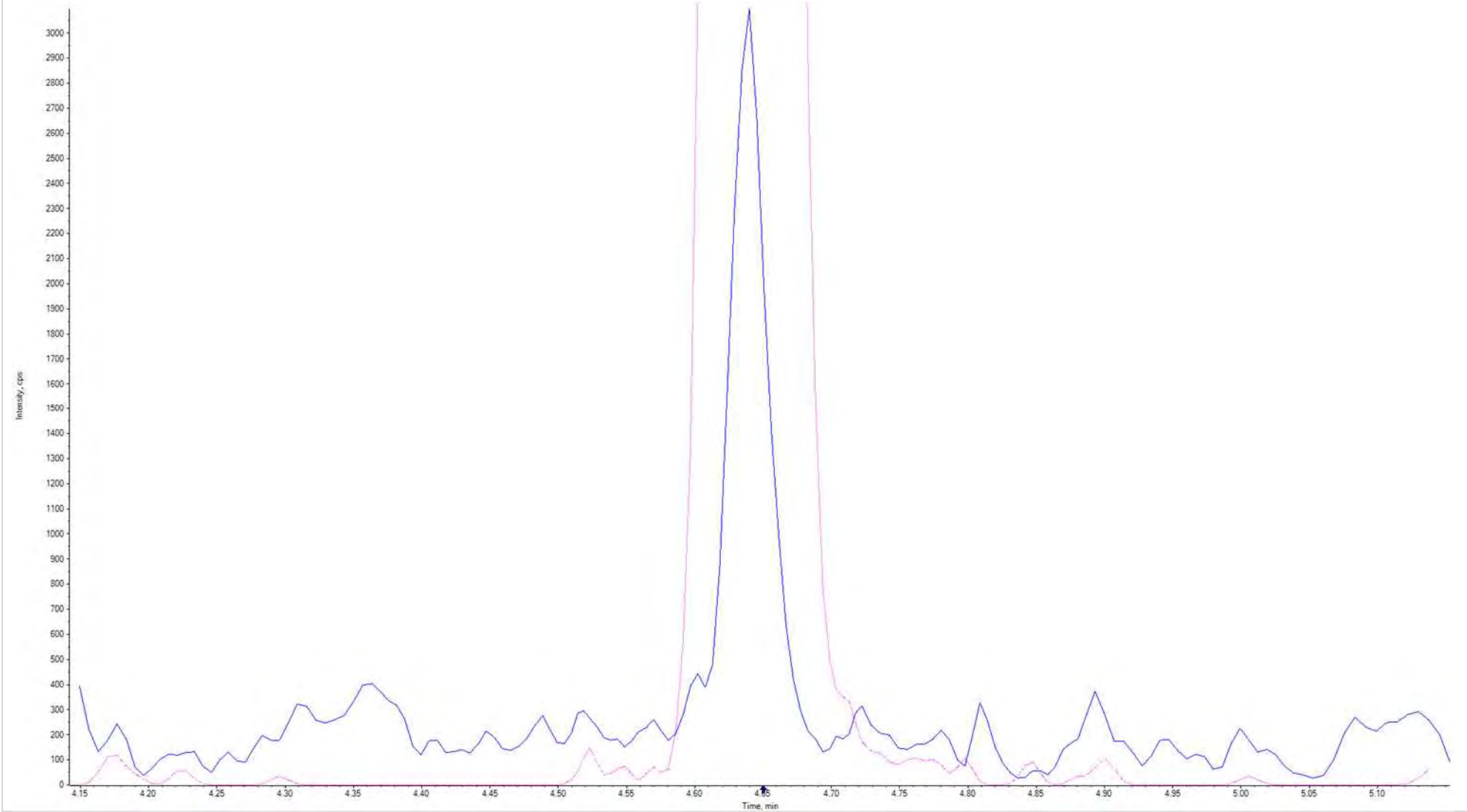
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFDoA
Sample: WG2035972-2,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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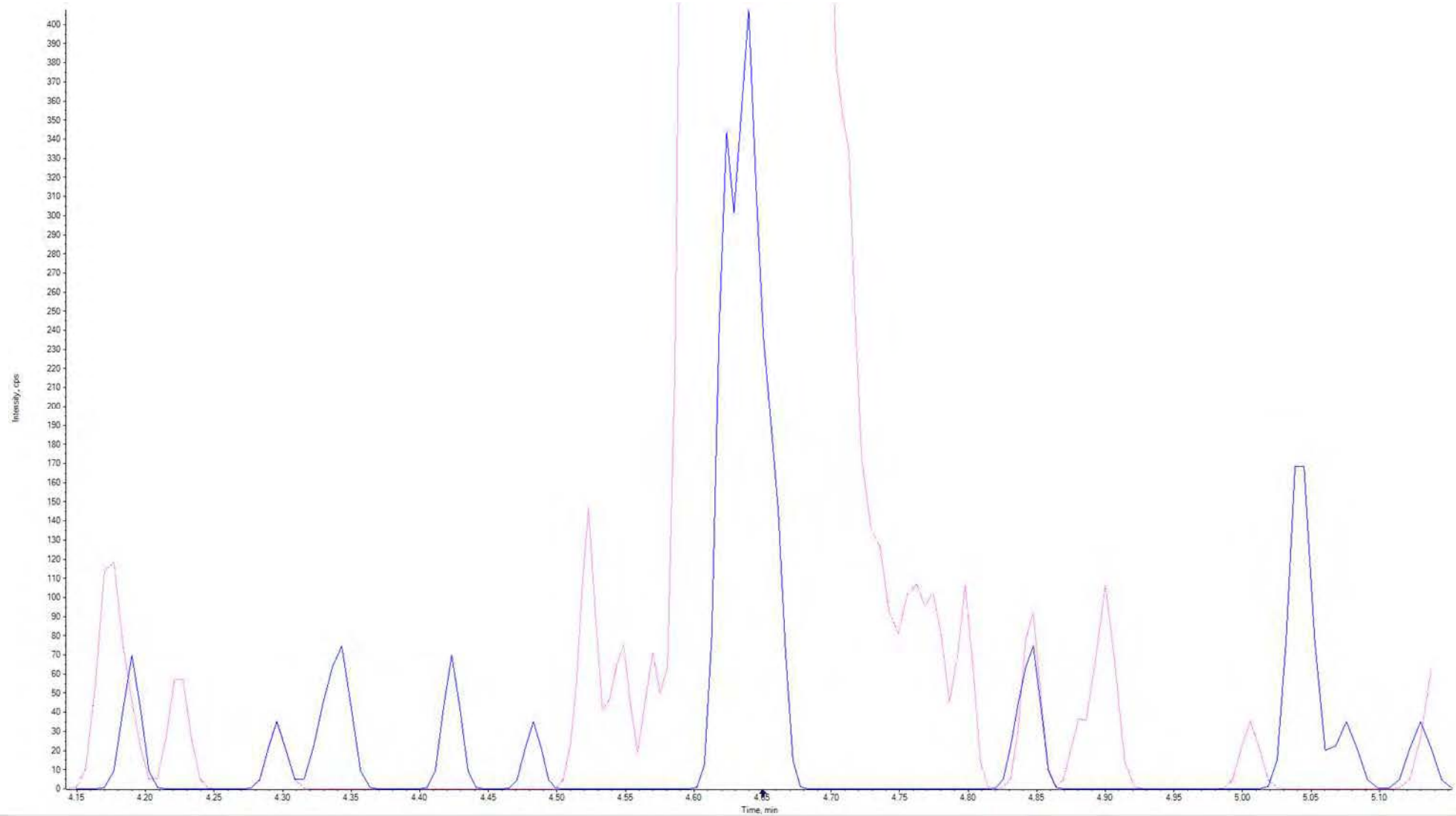
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFDoA_2
Sample: WG2035972-2,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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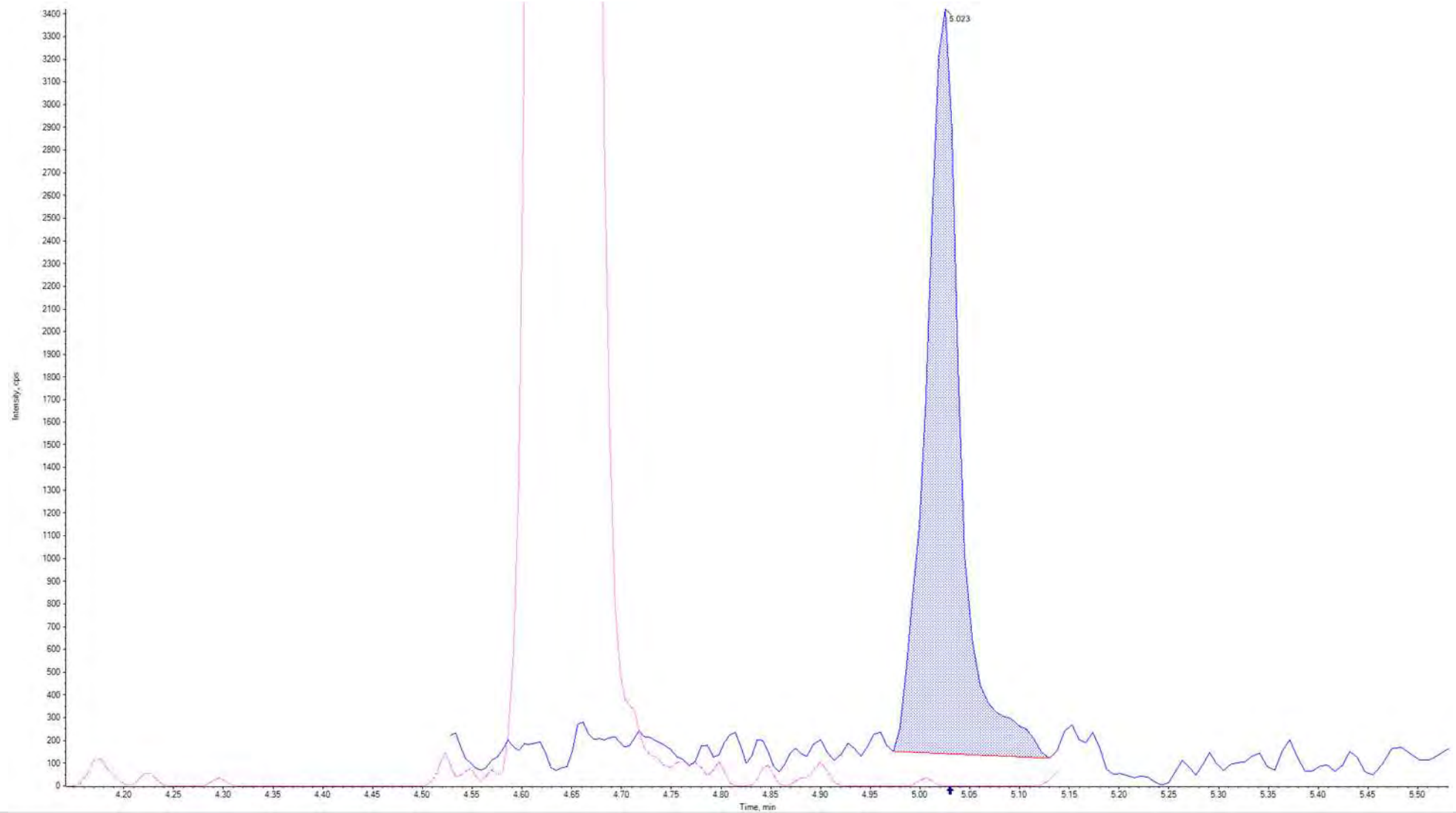
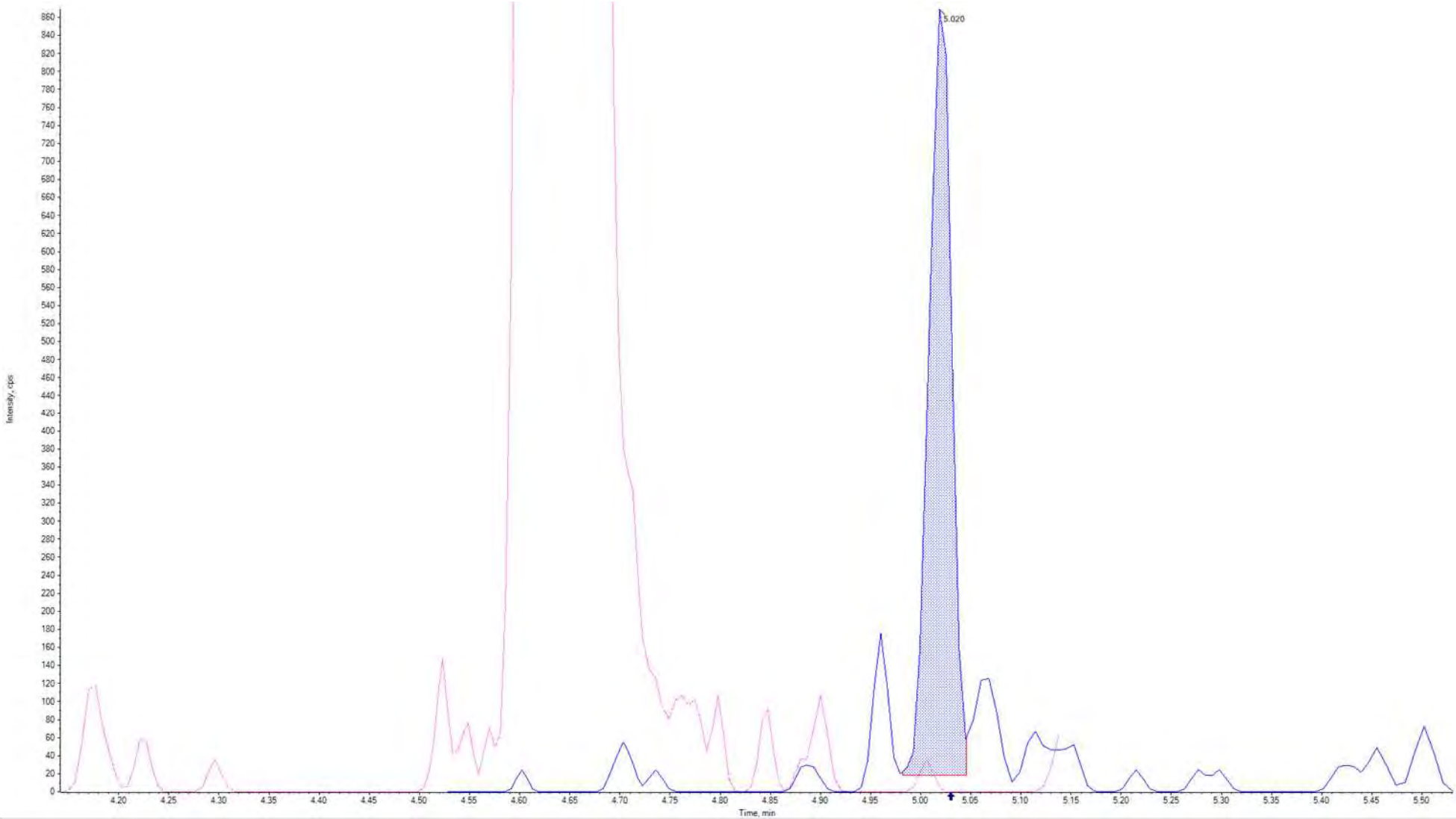
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFTrDA
Sample: WG2035972-2,INSTBLANK S/N:131.5 Points Across peak:23



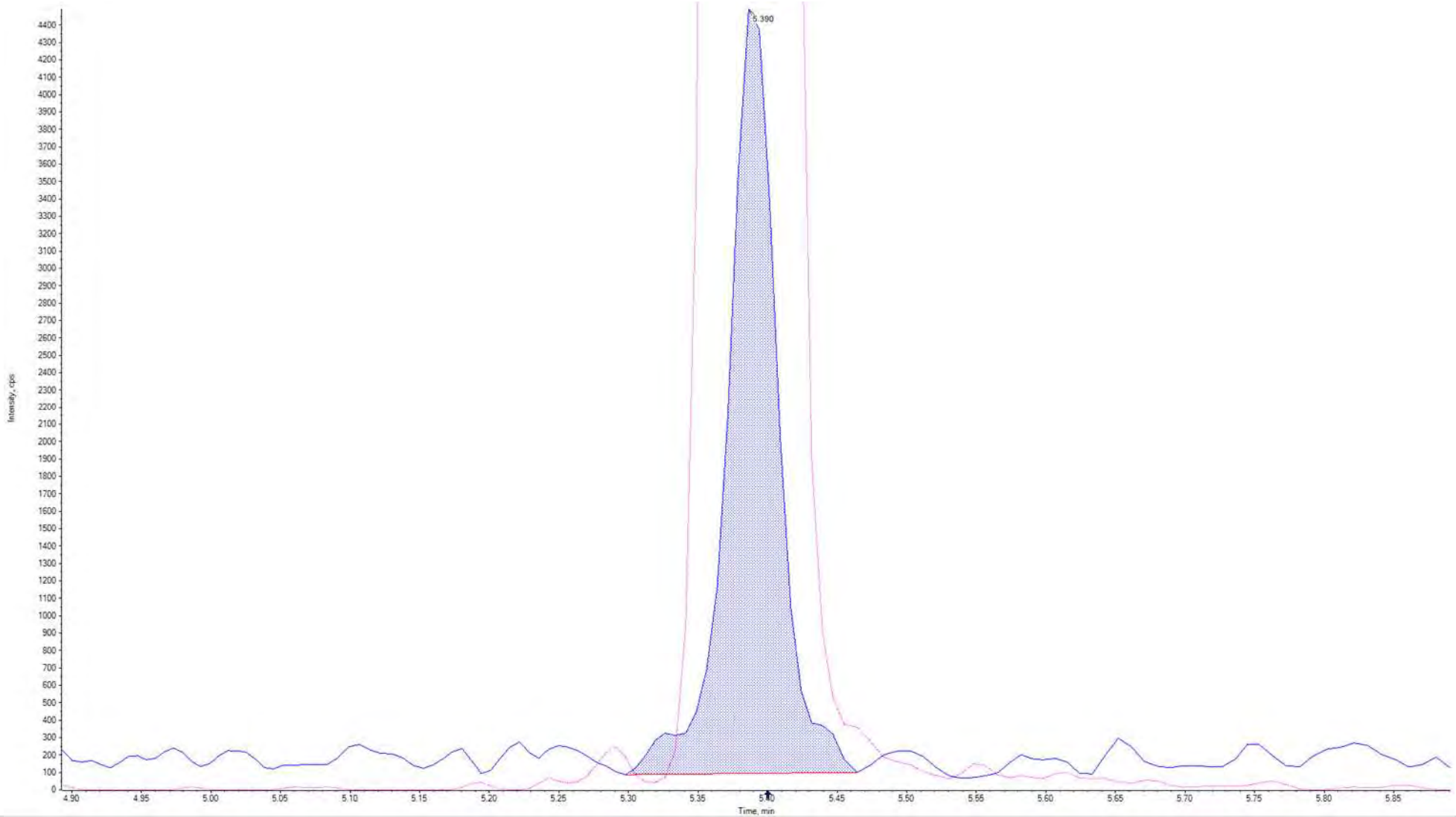
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFTrDA_2
Sample: WG2035972-2,INSTBLANK S/N:34.1 Points Across peak:12



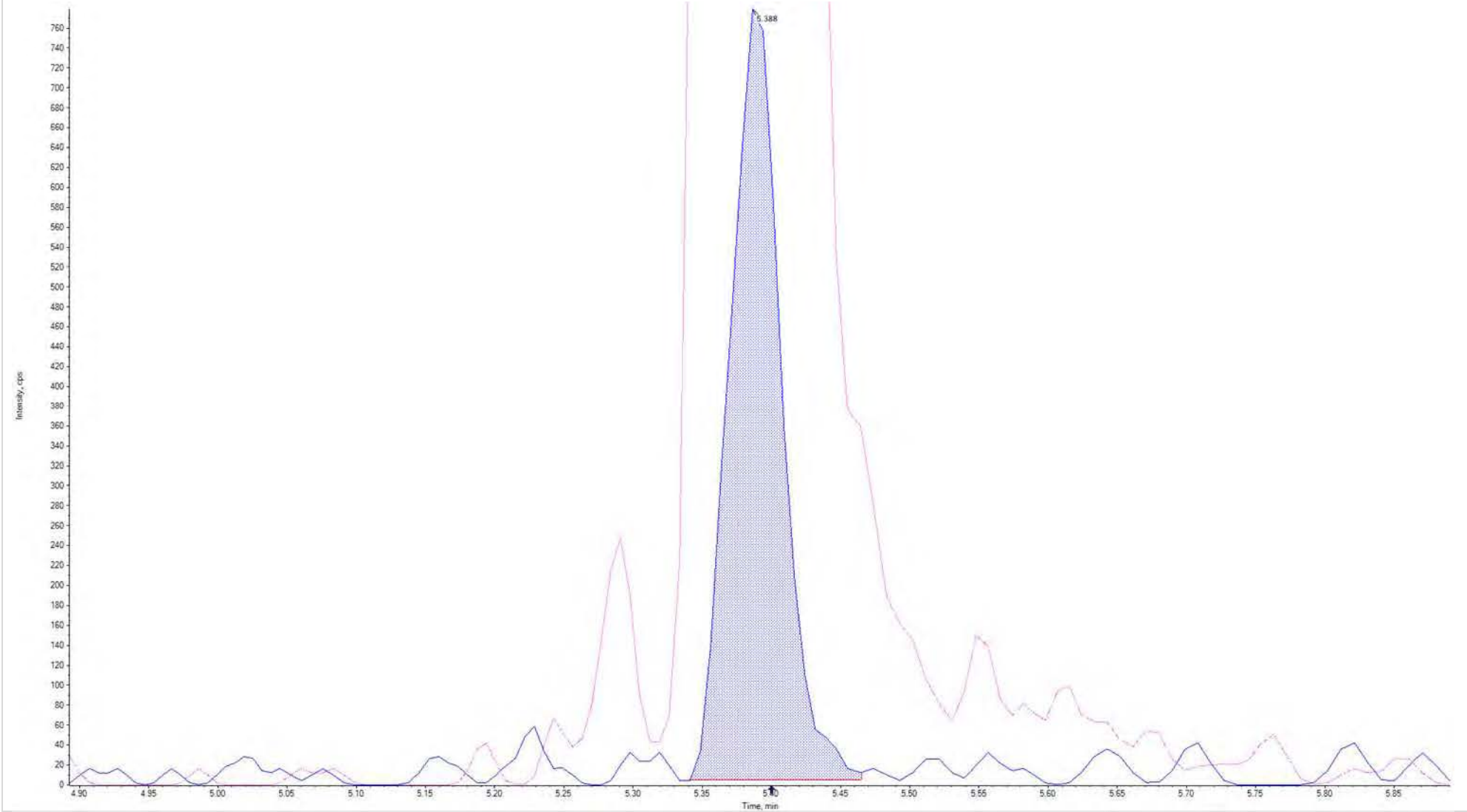
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFTeDA
Sample: WG2035972-2,INSTBLANK S/N:195.7 Points Across peak:23



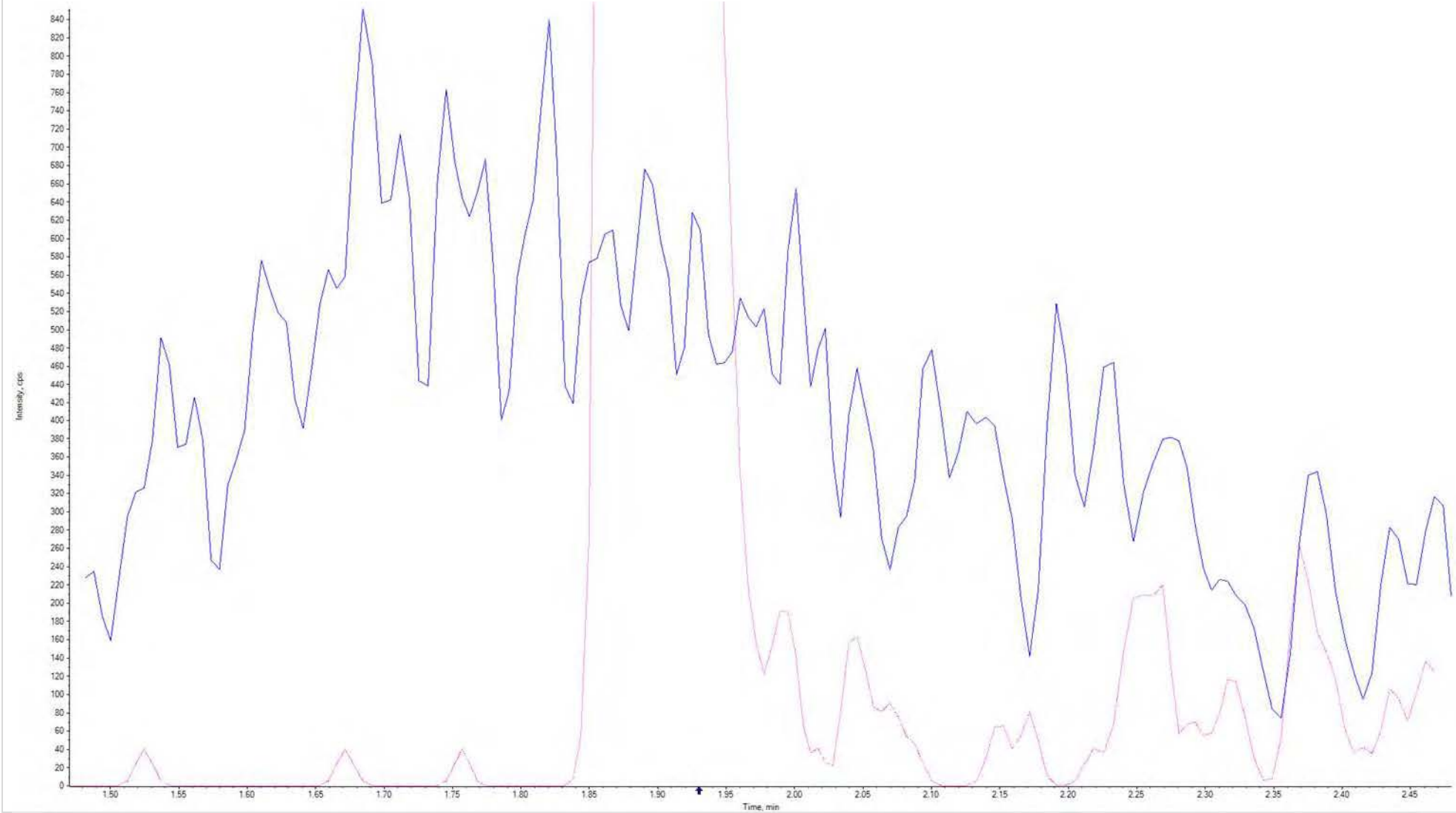
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFTeDA_2
Sample: WG2035972-2,INSTBLANK S/N:48.5 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFBS
Sample: WG2035972-2,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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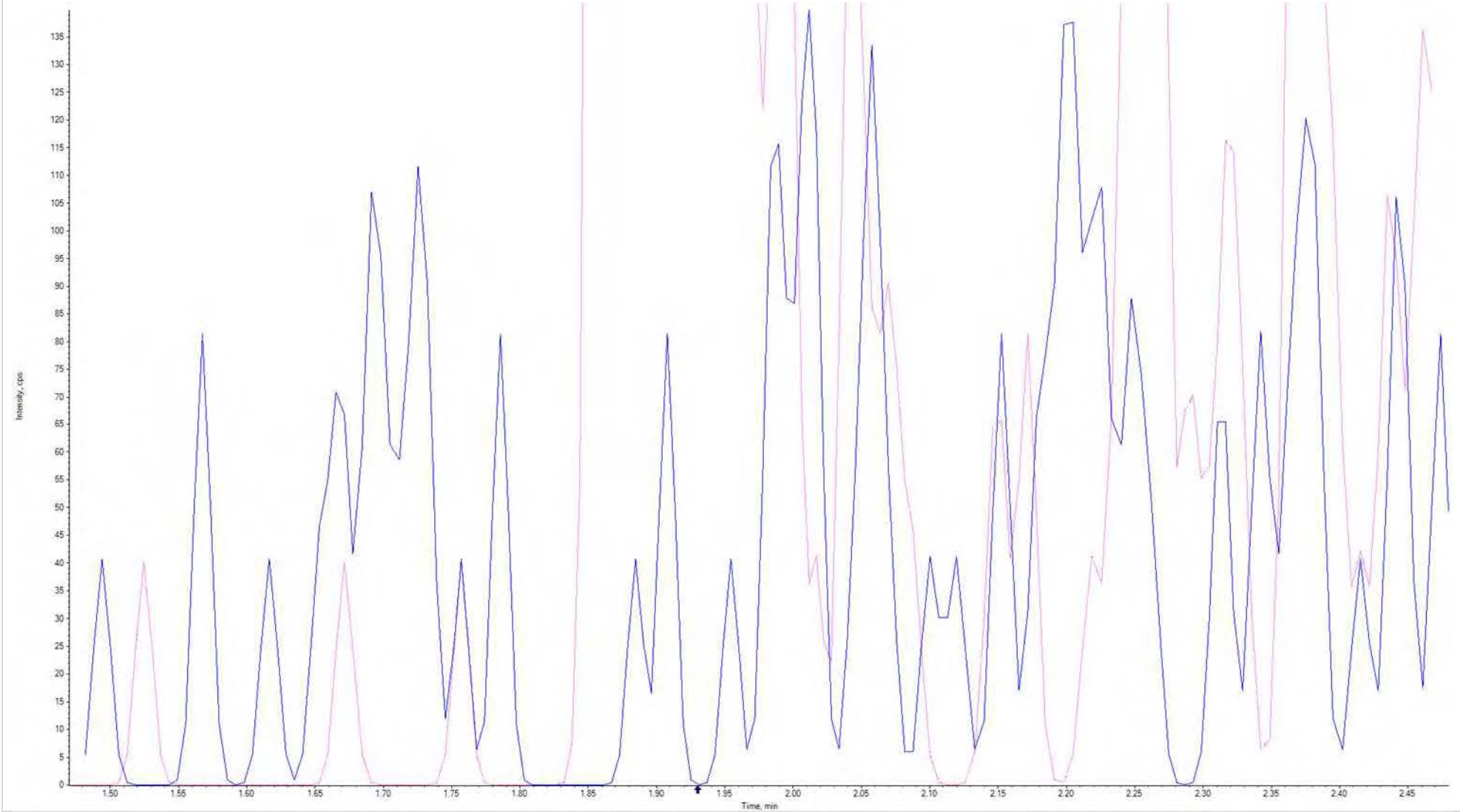
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFBS_2
Sample: WG2035972-2,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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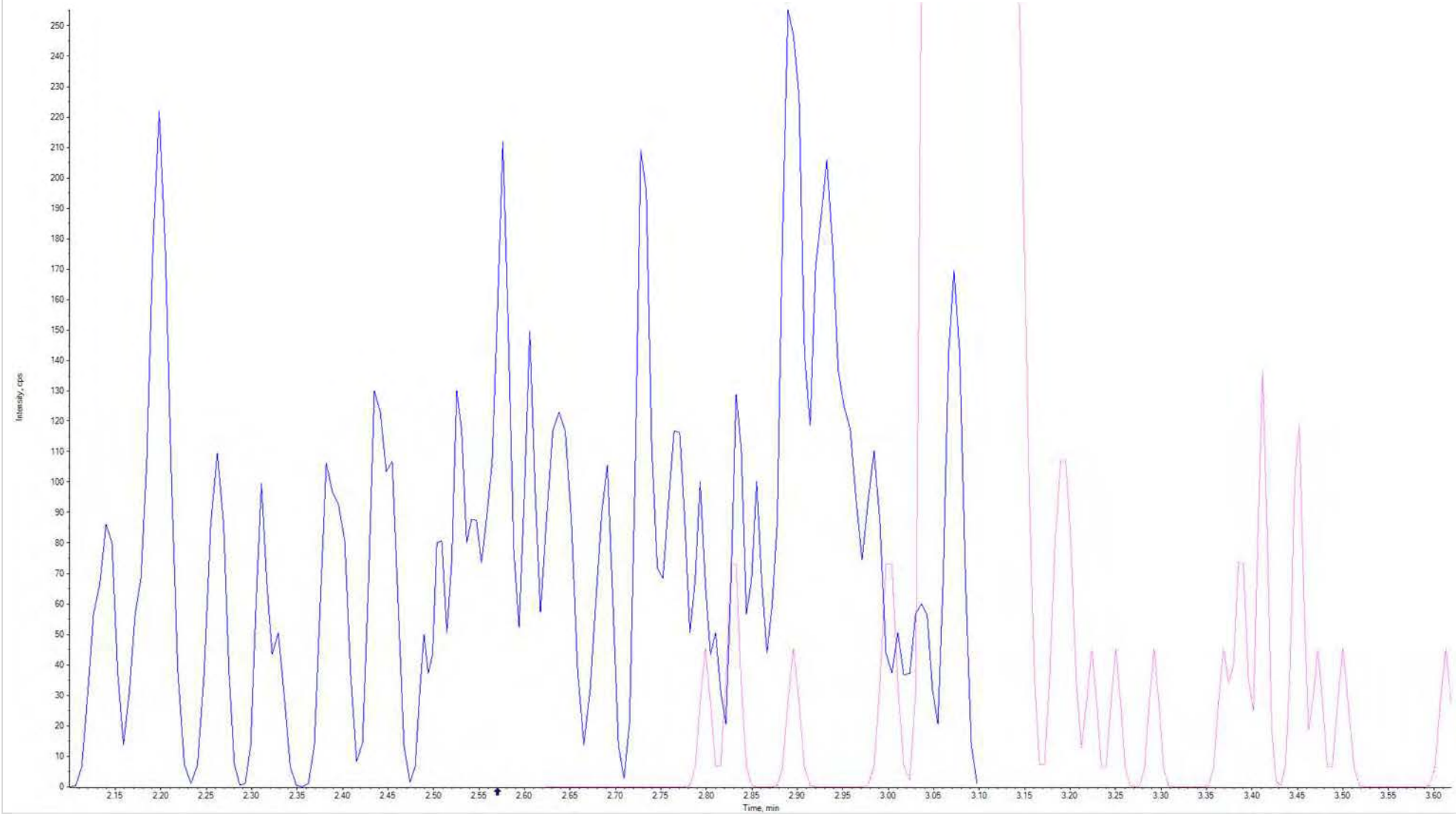
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFPeS
Sample: WG2035972-2,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: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFPeS_2
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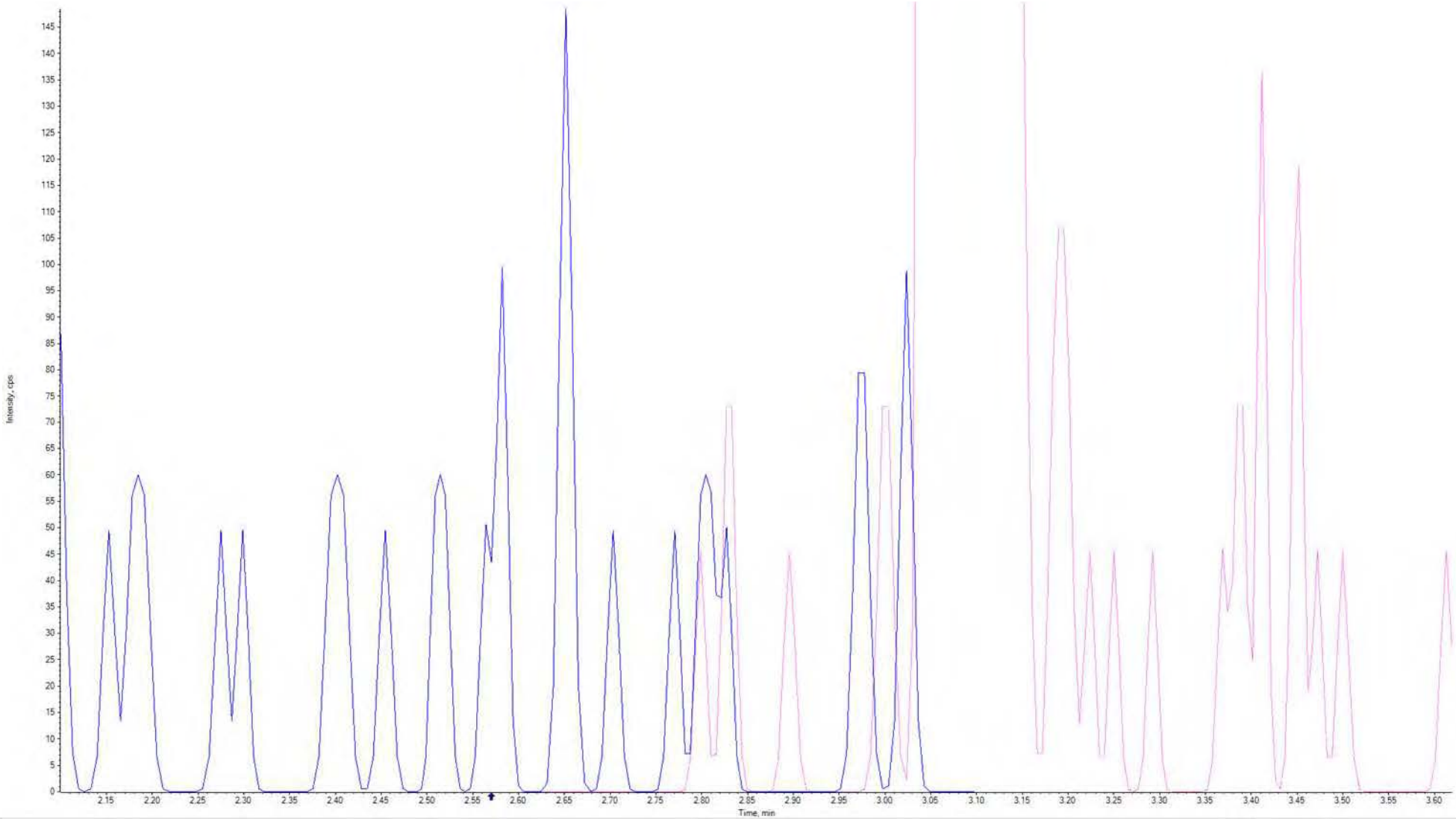

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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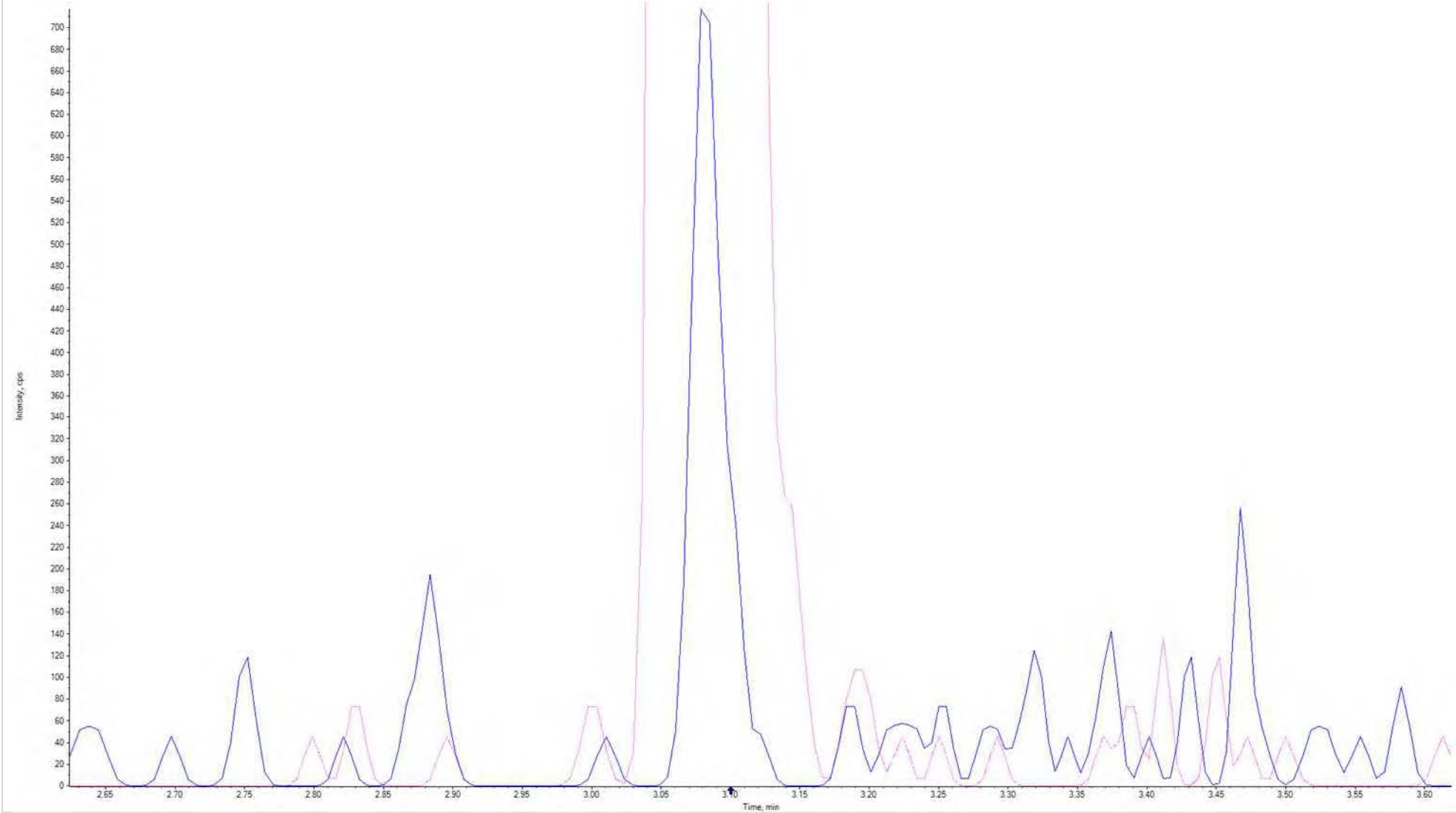
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFHxS
Sample: WG2035972-2,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: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFHxS_2
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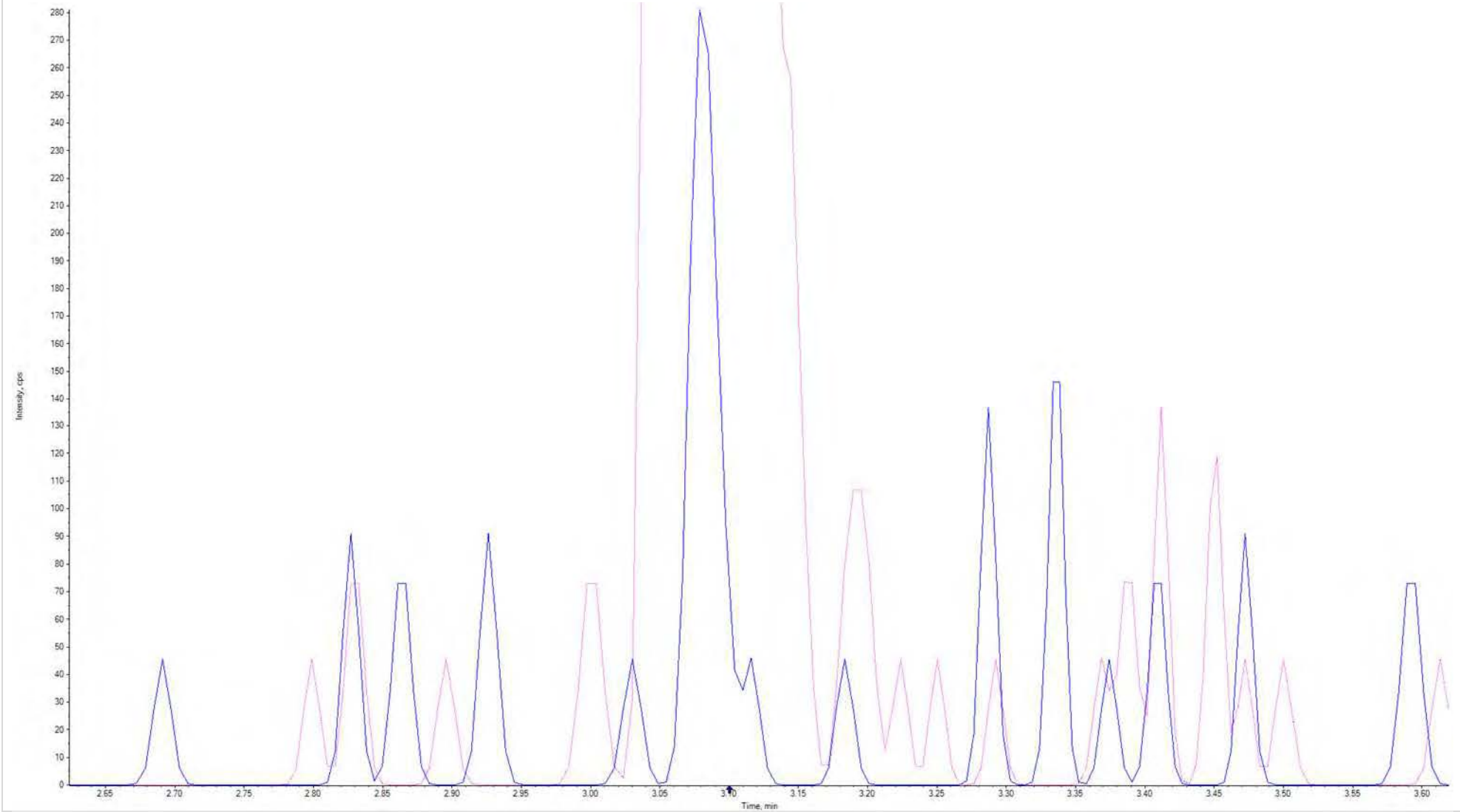

PFHpS
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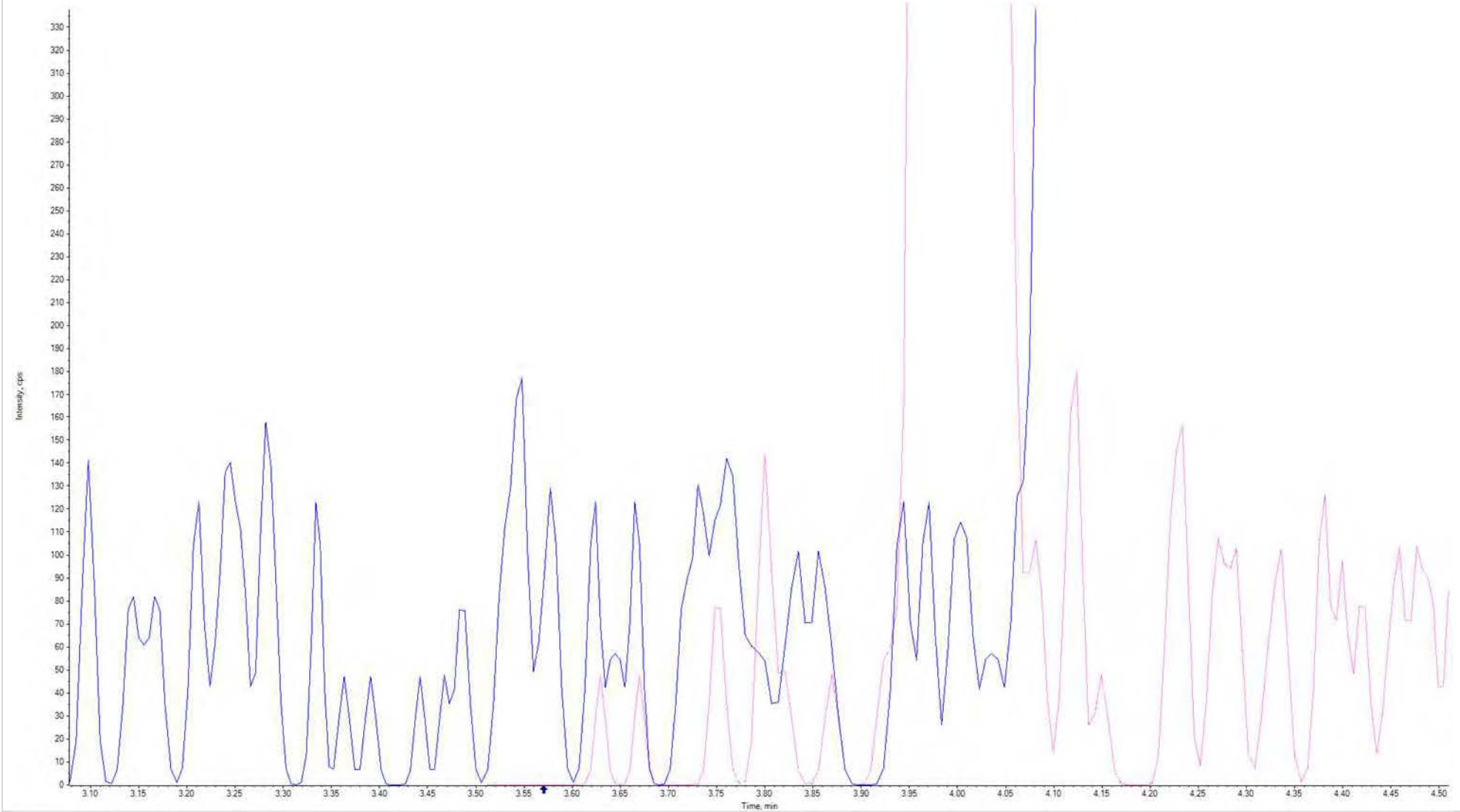

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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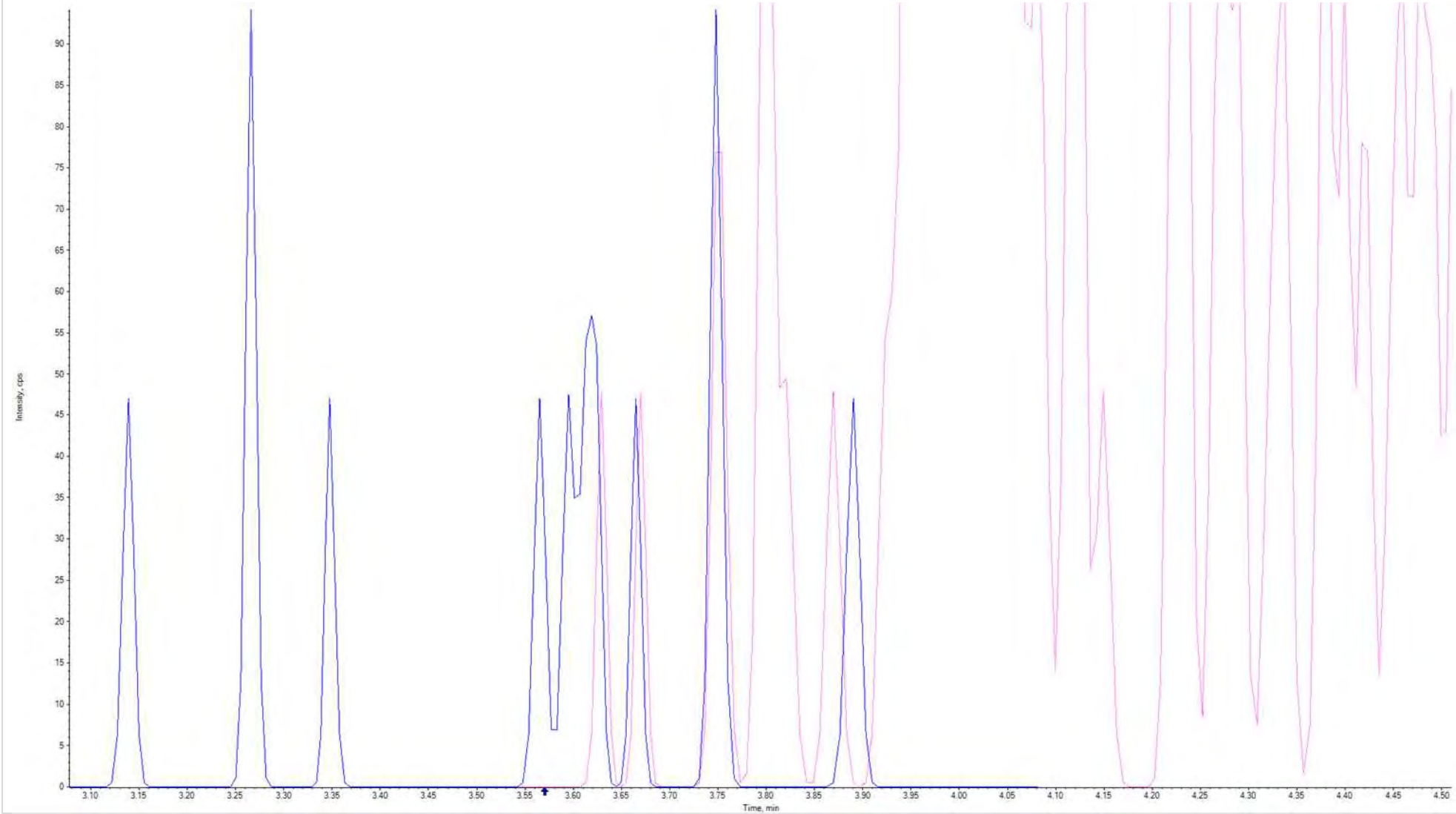
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFHpS_2
Sample: WG2035972-2,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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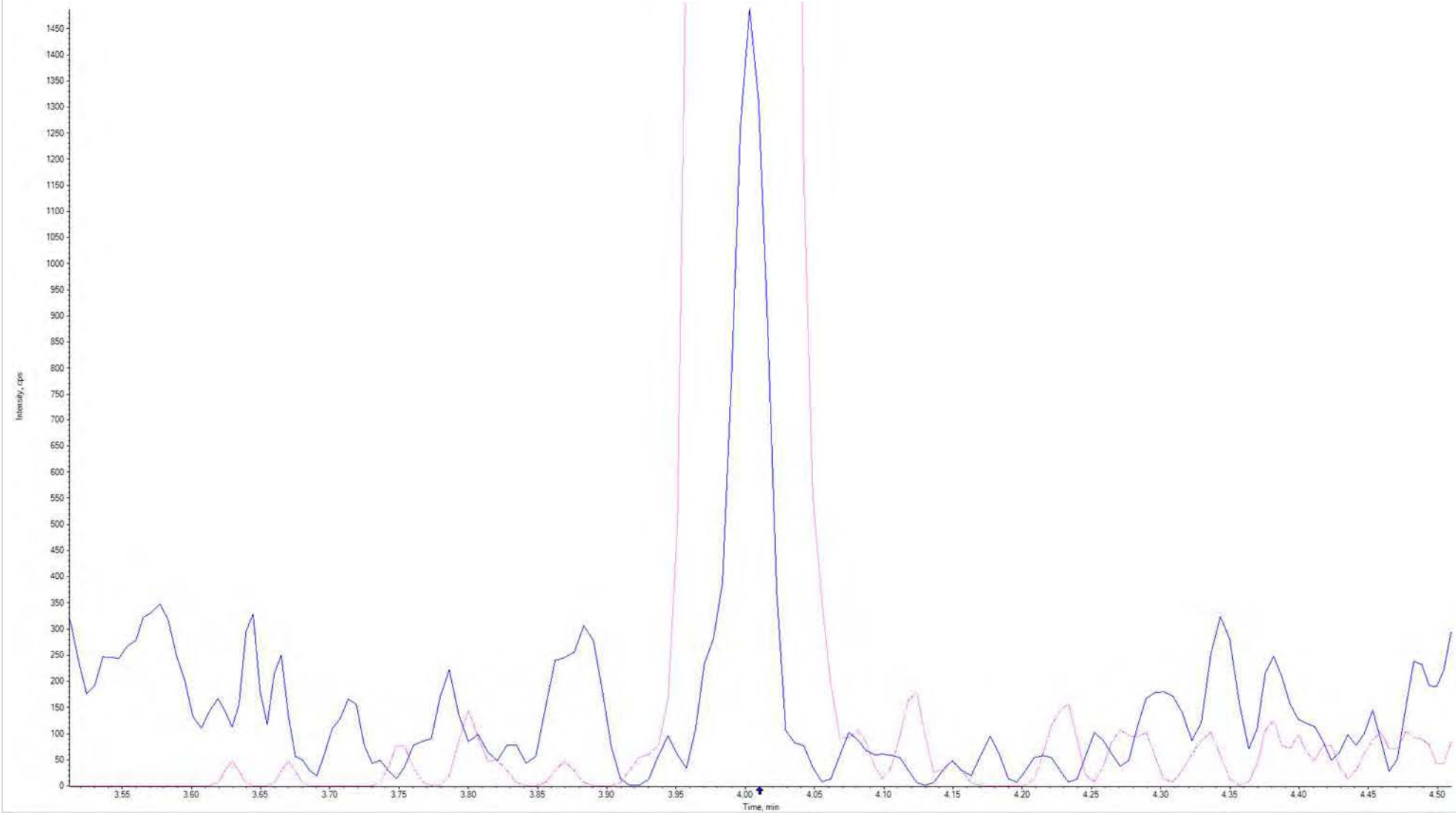
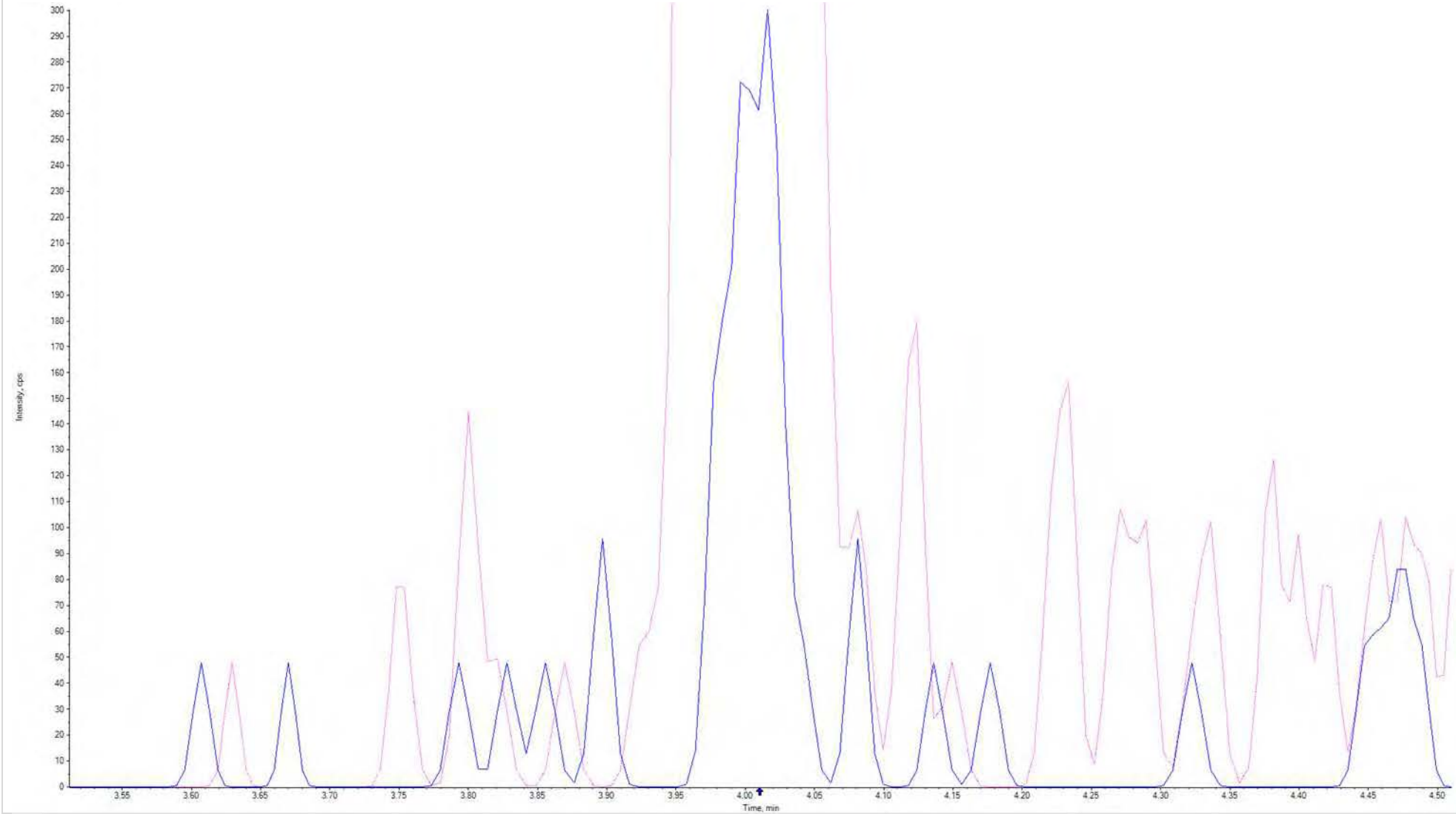
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFOS
Sample: WG2035972-2,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\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFOS_2
Sample: WG2035972-2,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: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFNS
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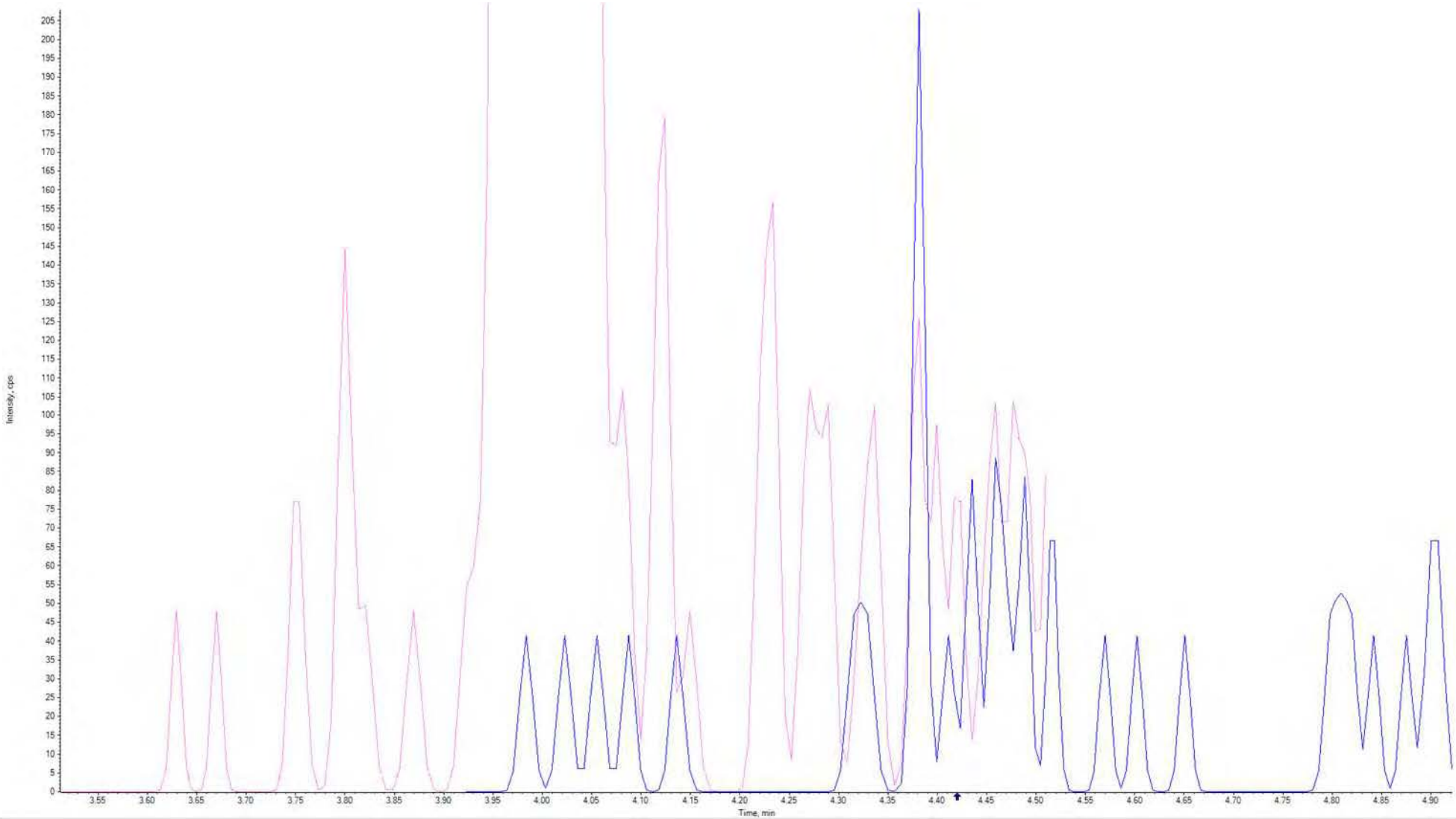

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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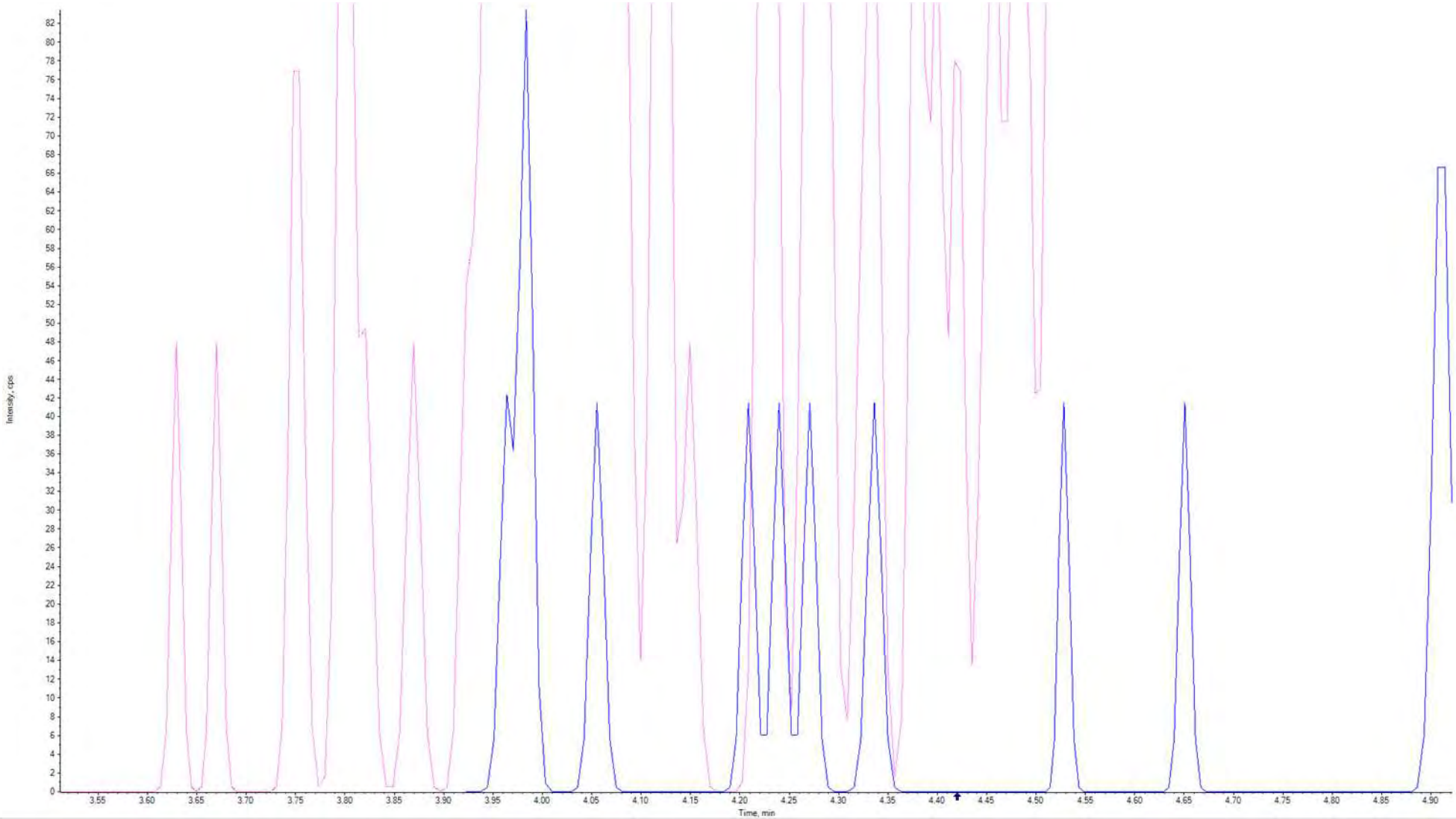
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFNS_2
Sample: WG2035972-2,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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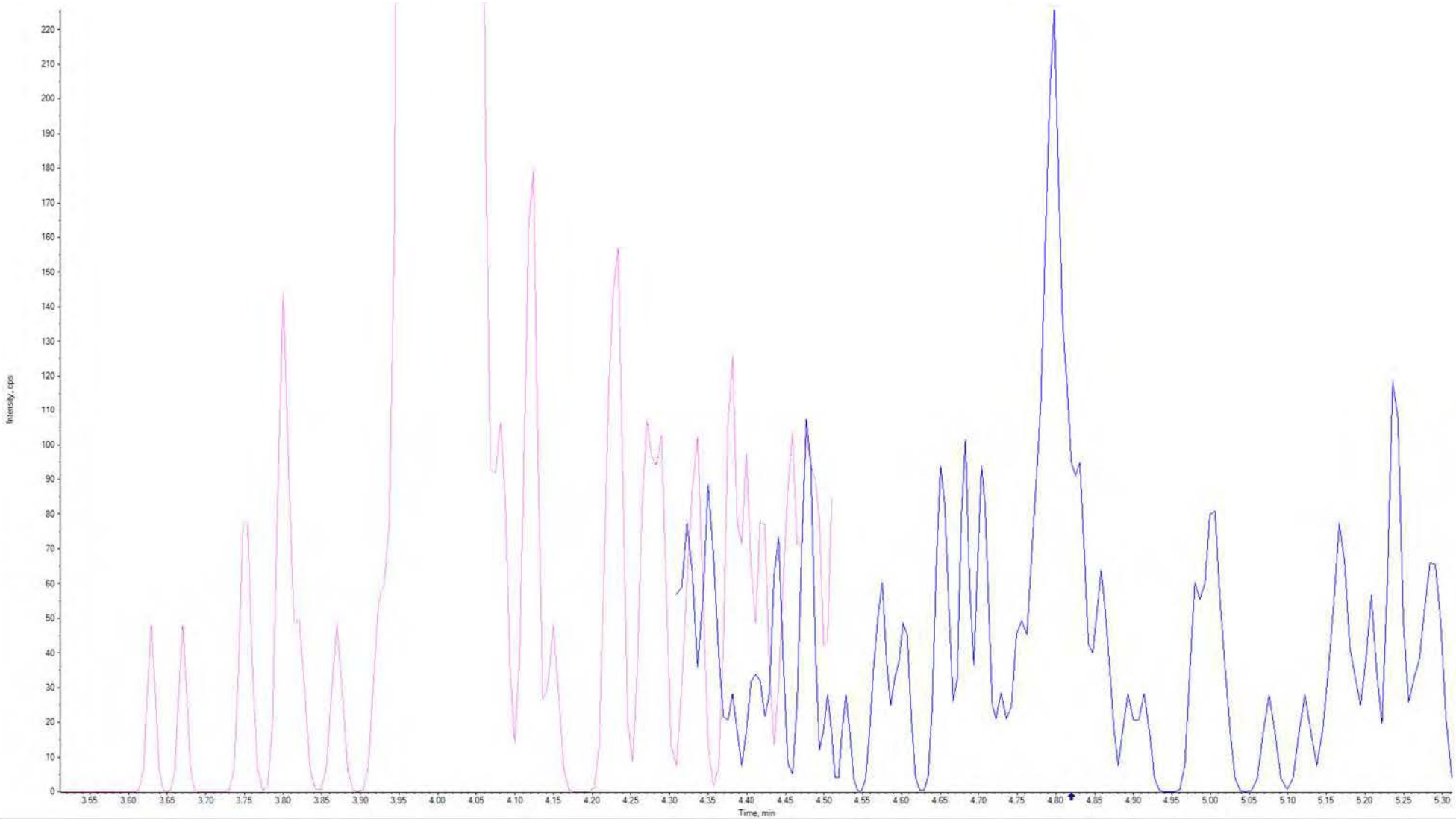
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFDS
Sample: WG2035972-2,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\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFDS_2
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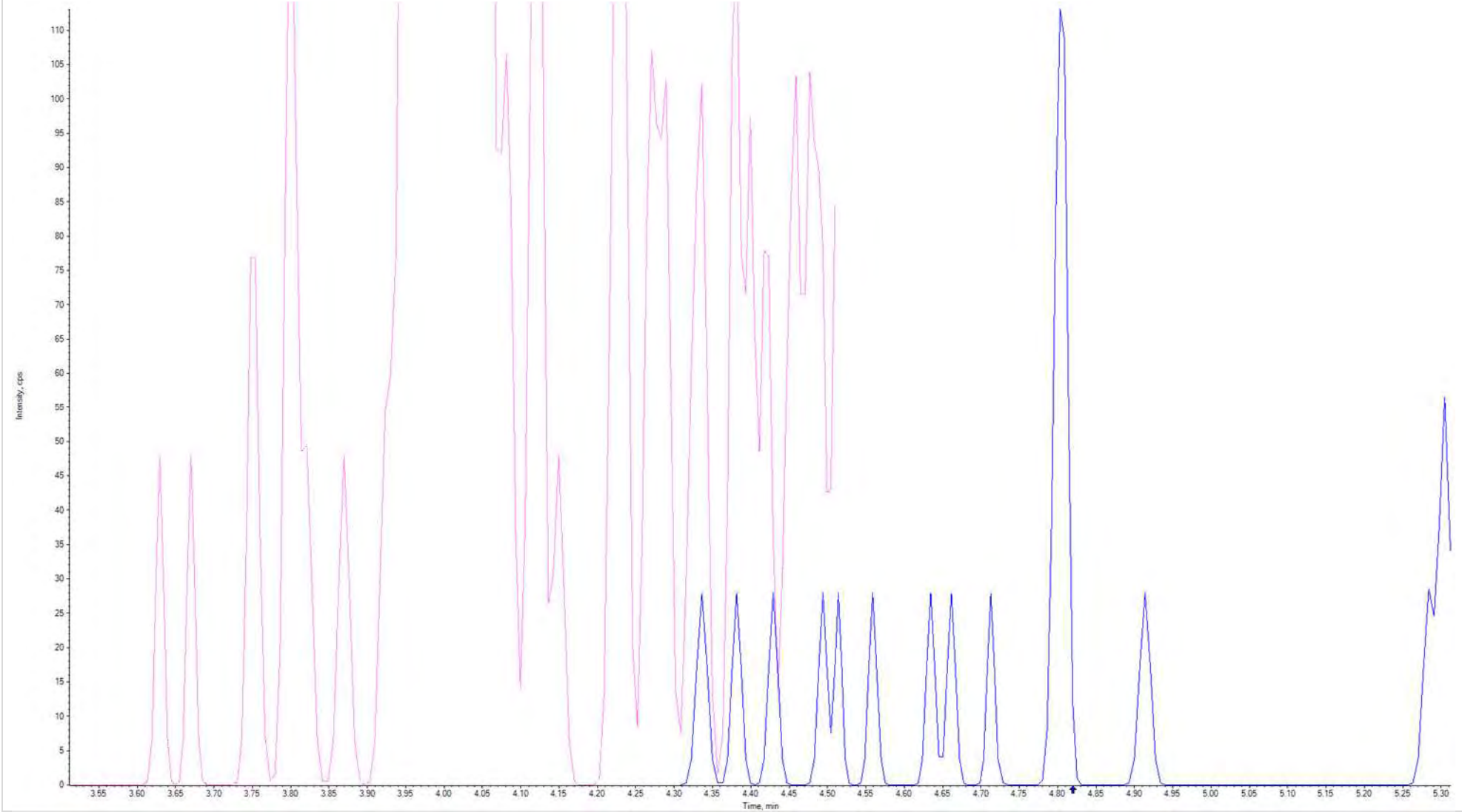

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFDoS
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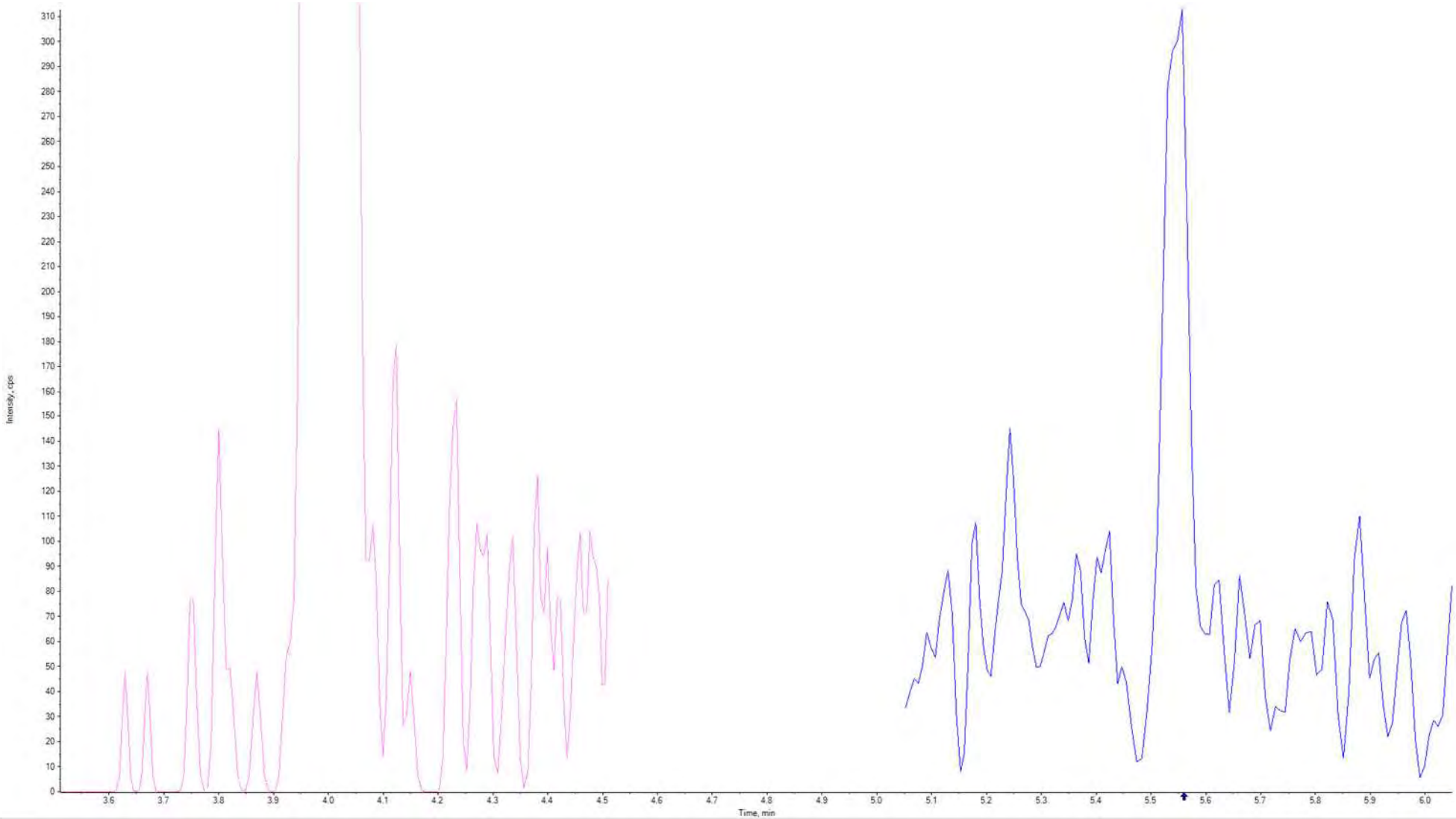

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFDoS_2
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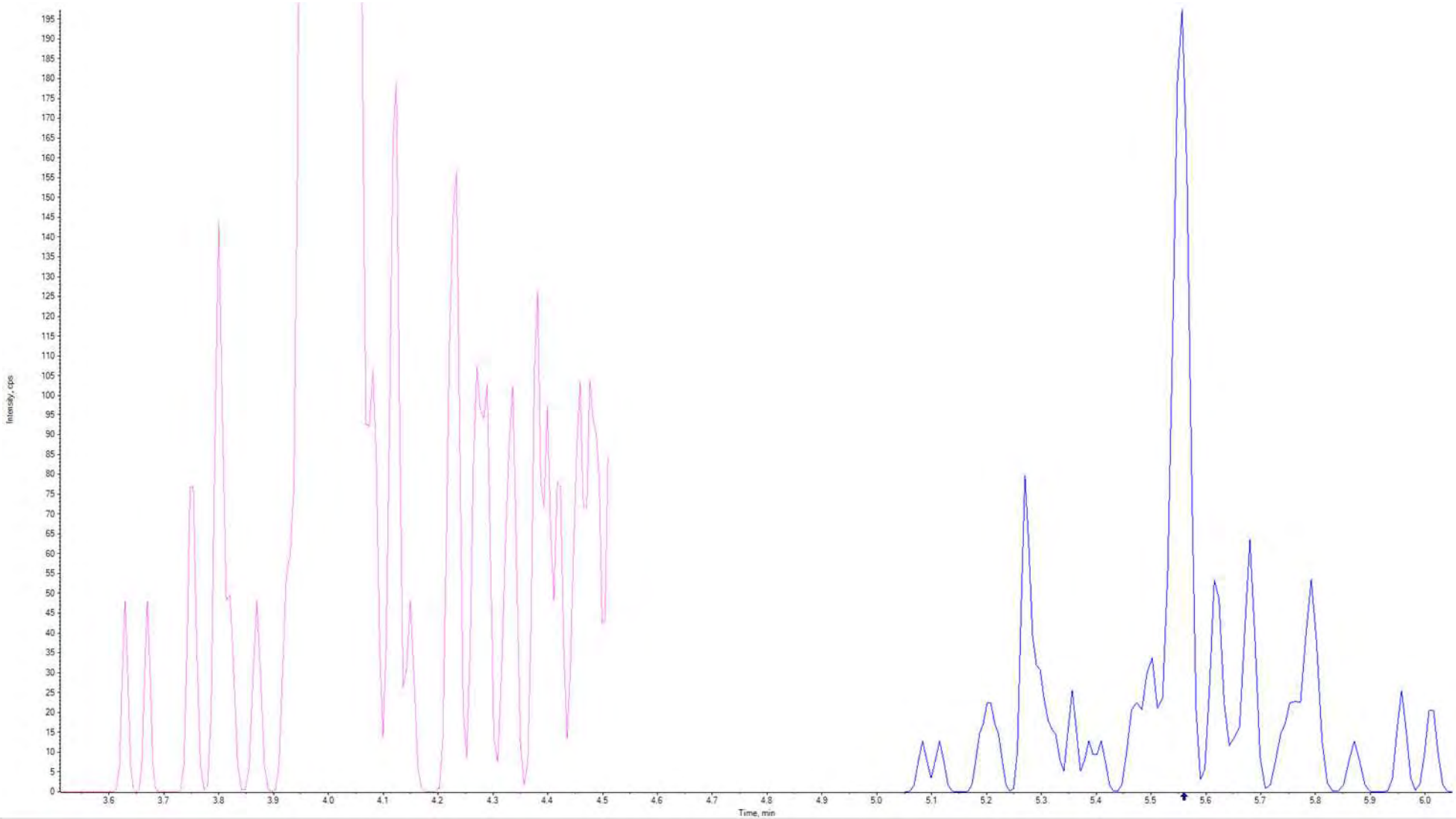

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

4:2FTS
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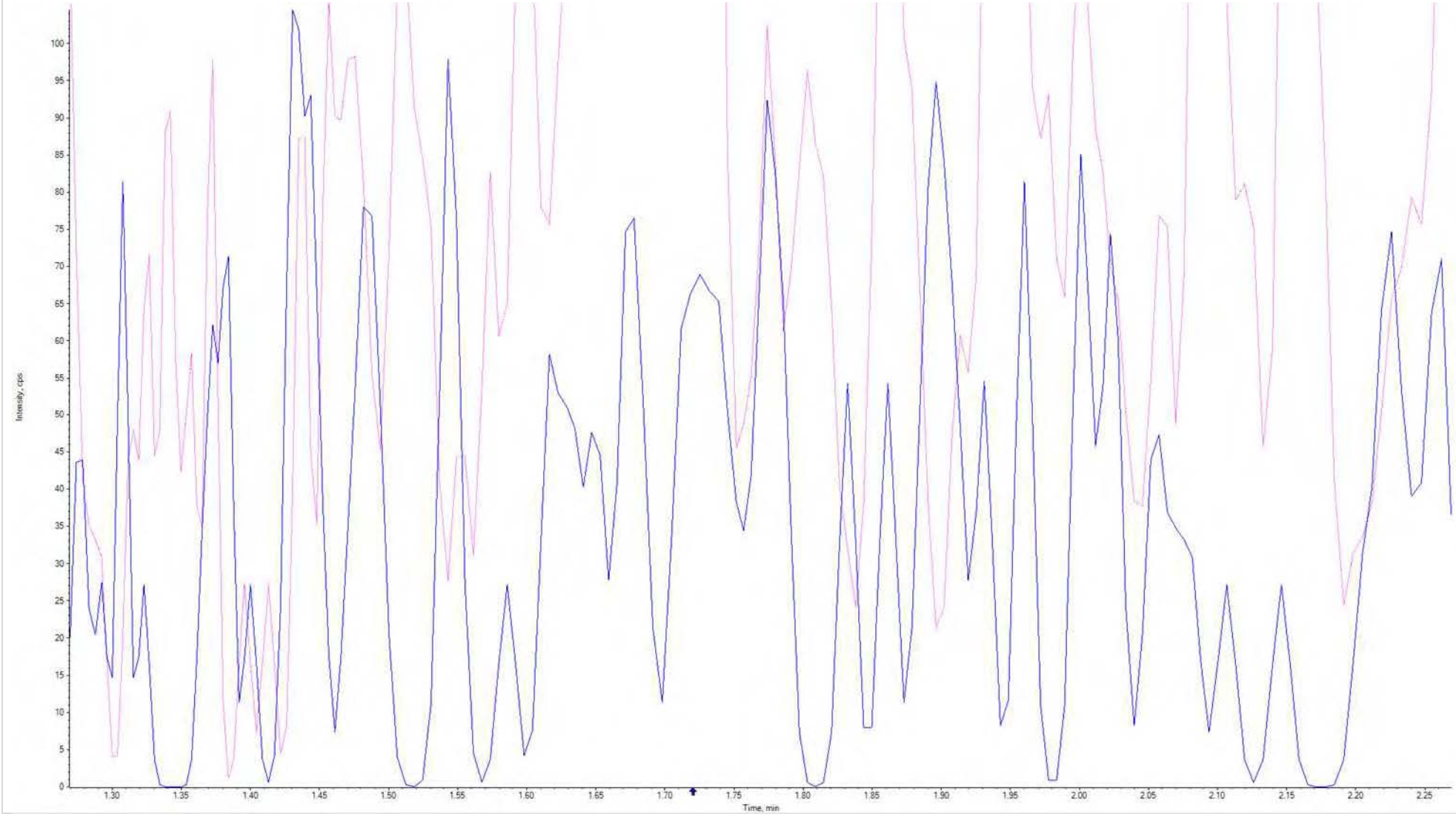

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

4:2FTS_2
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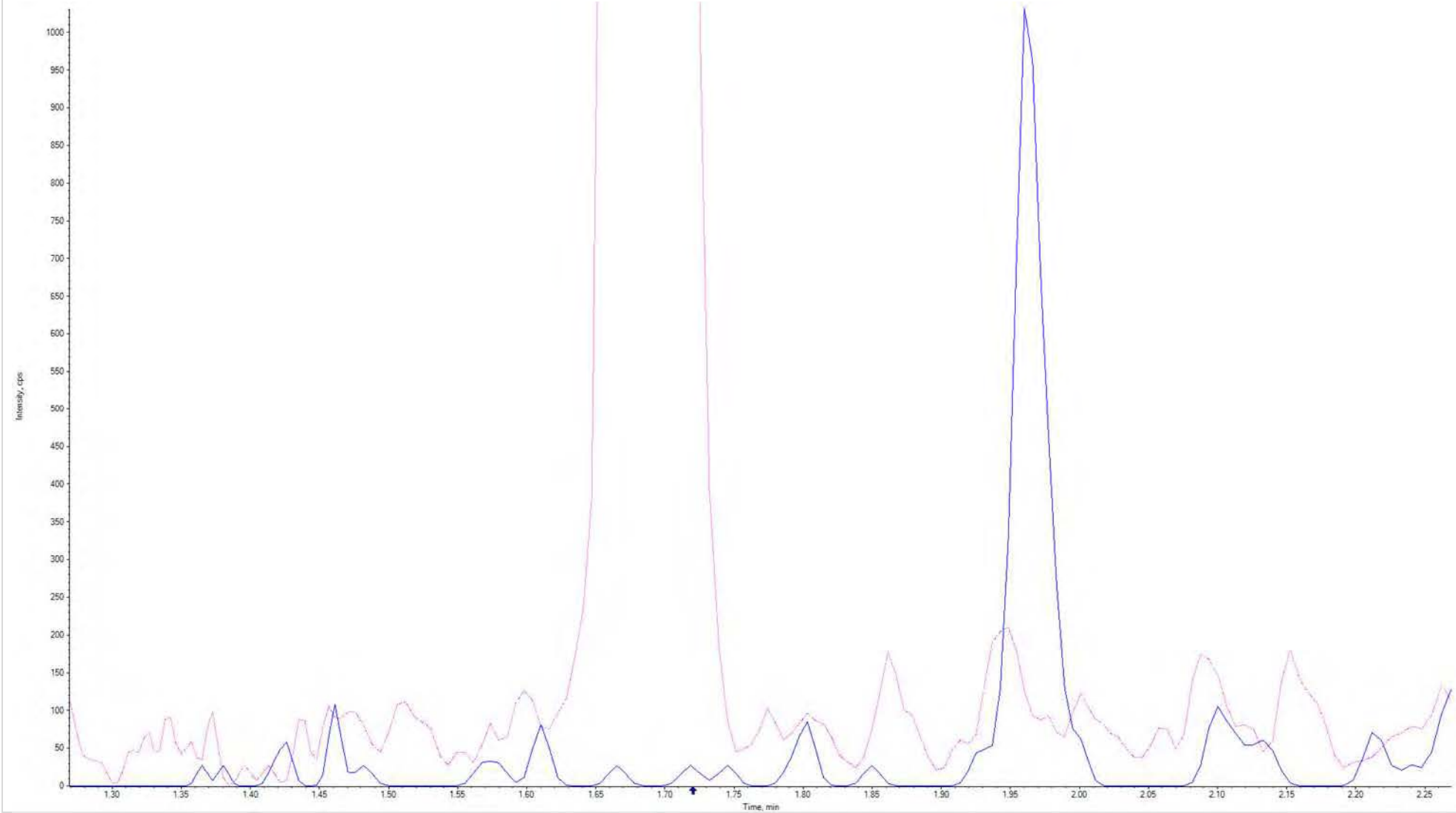

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

6:2FTS
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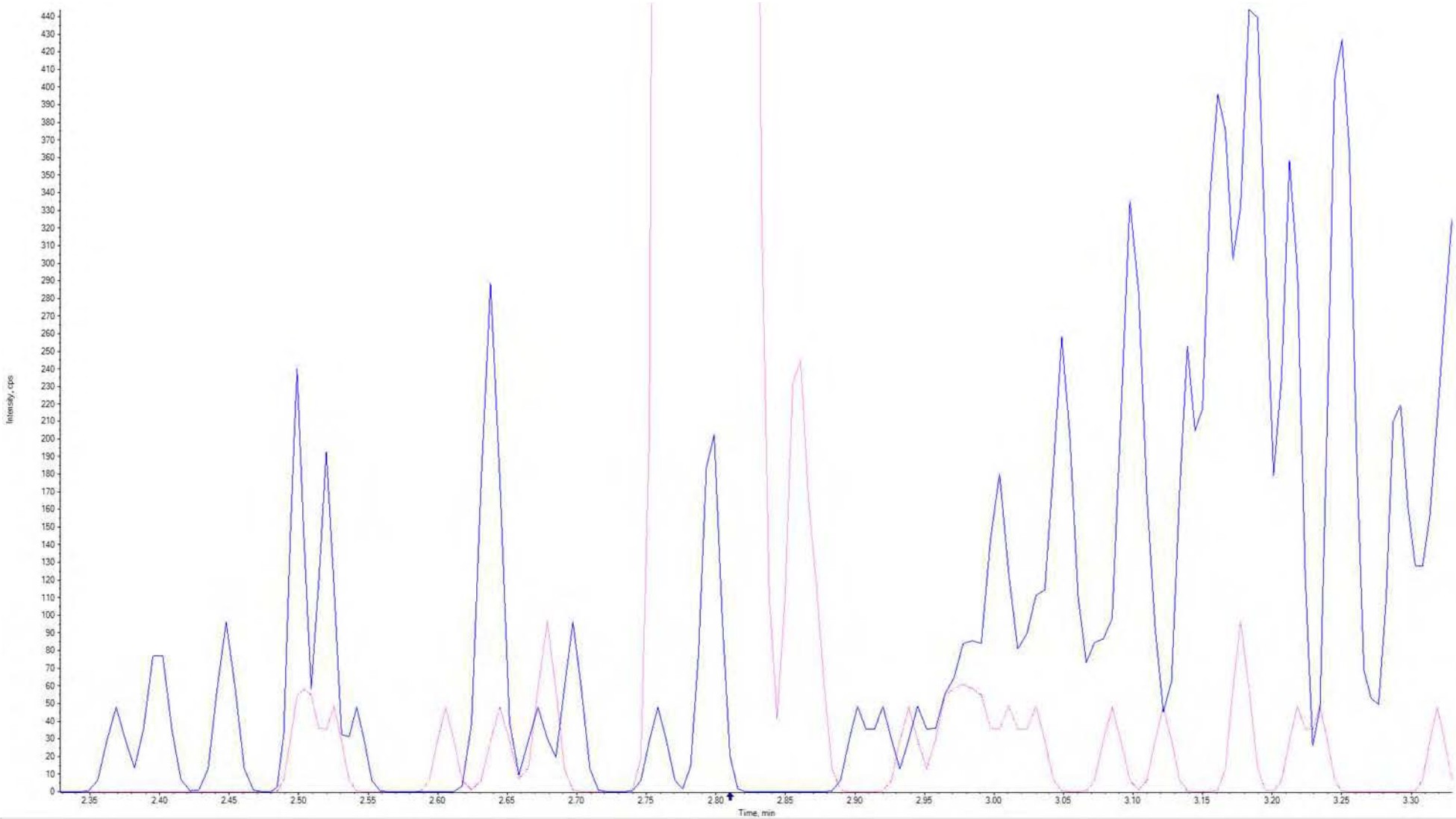

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

6:2FTS_2
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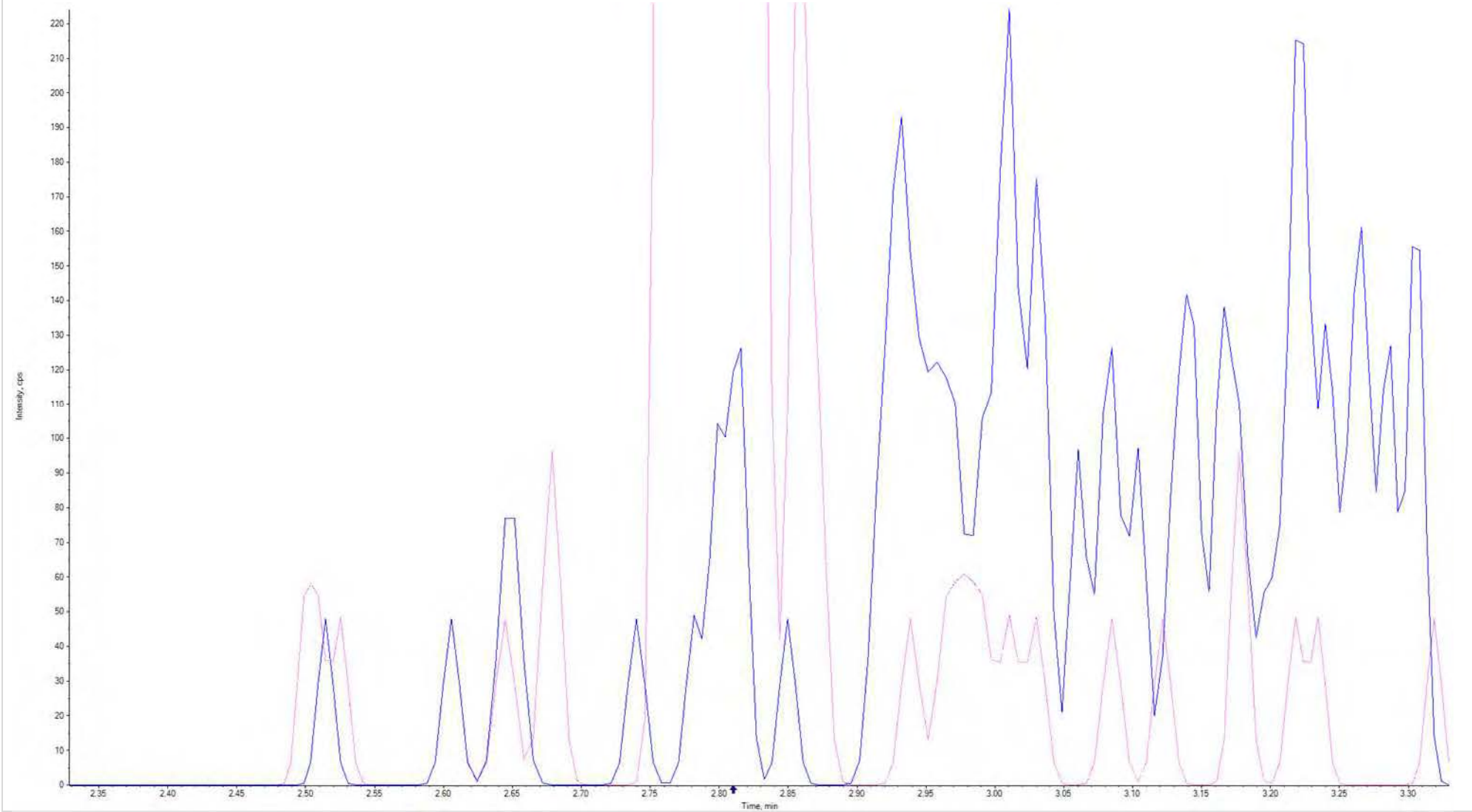

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

8:2FTS
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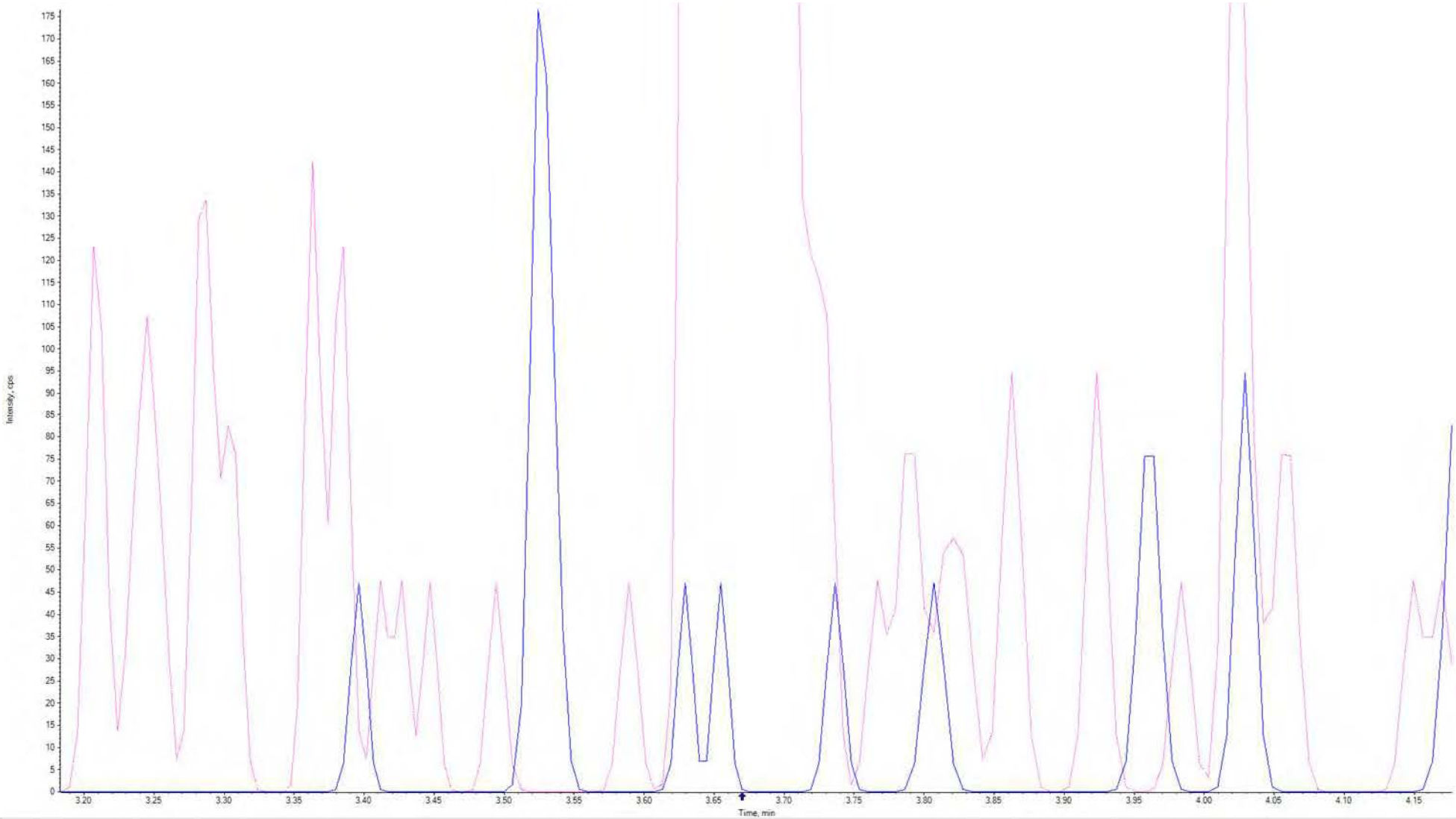

8:2FTS_2
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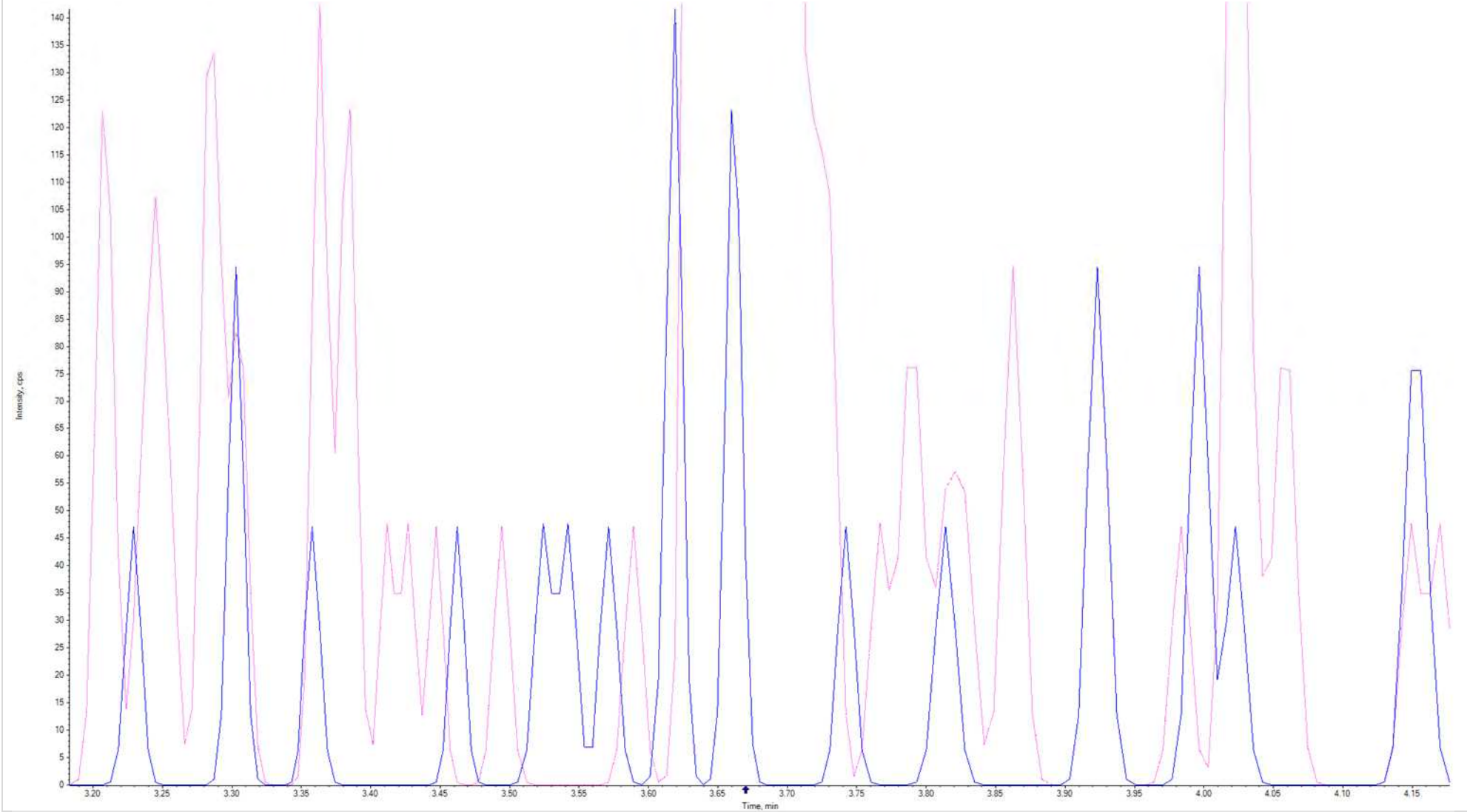
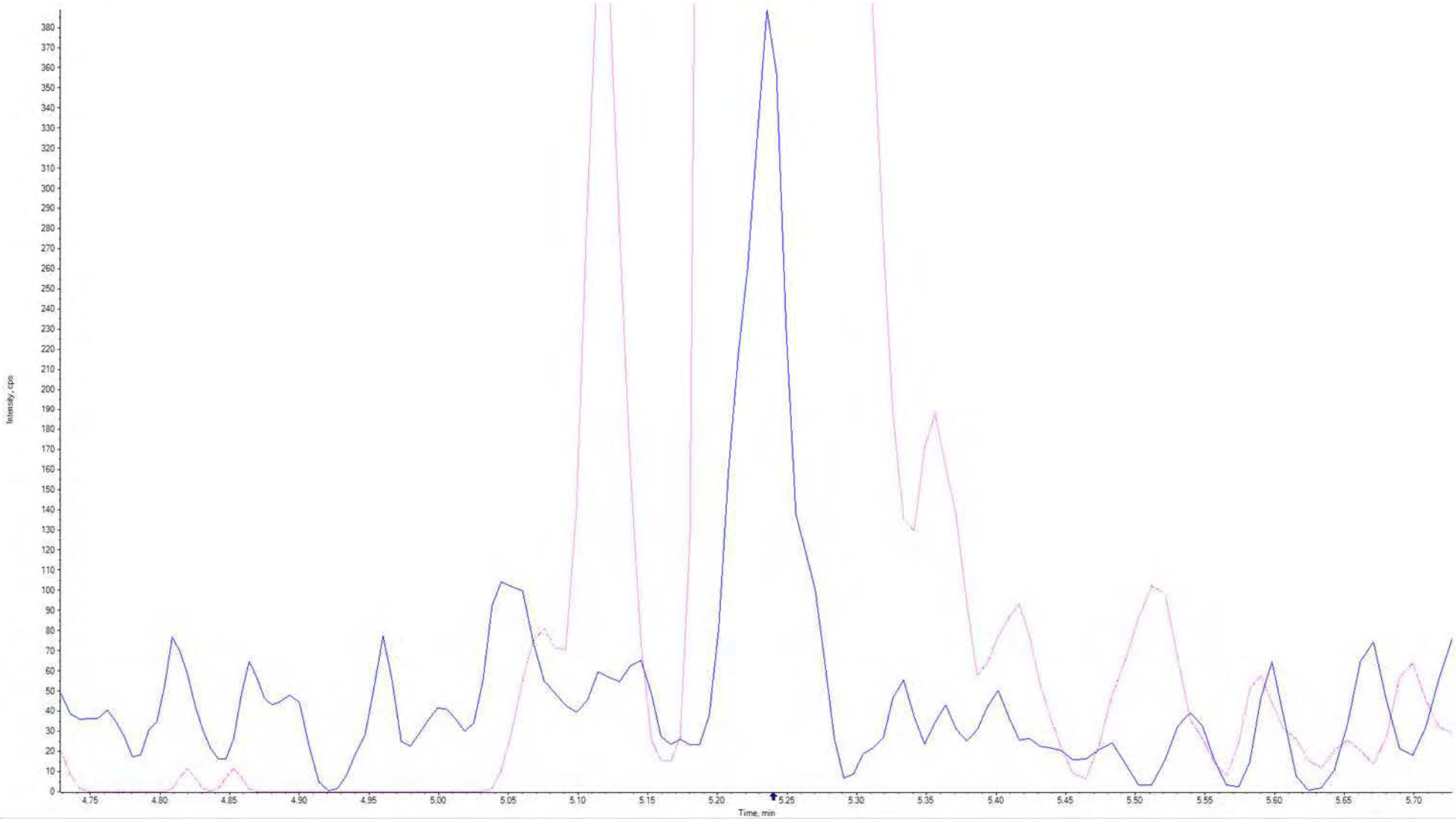


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFOSA
Sample: WG2035972-2,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: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFOSA_2
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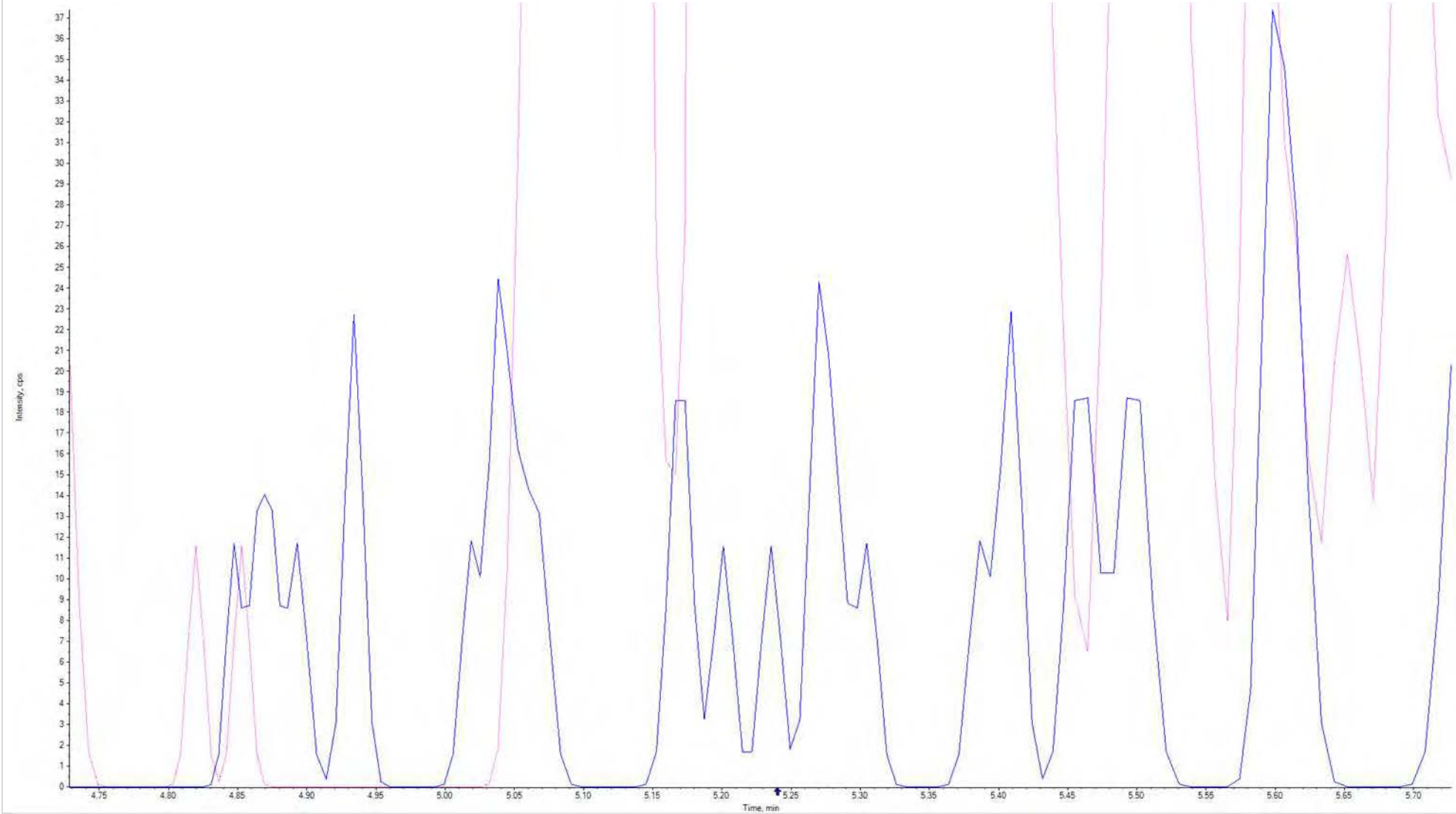

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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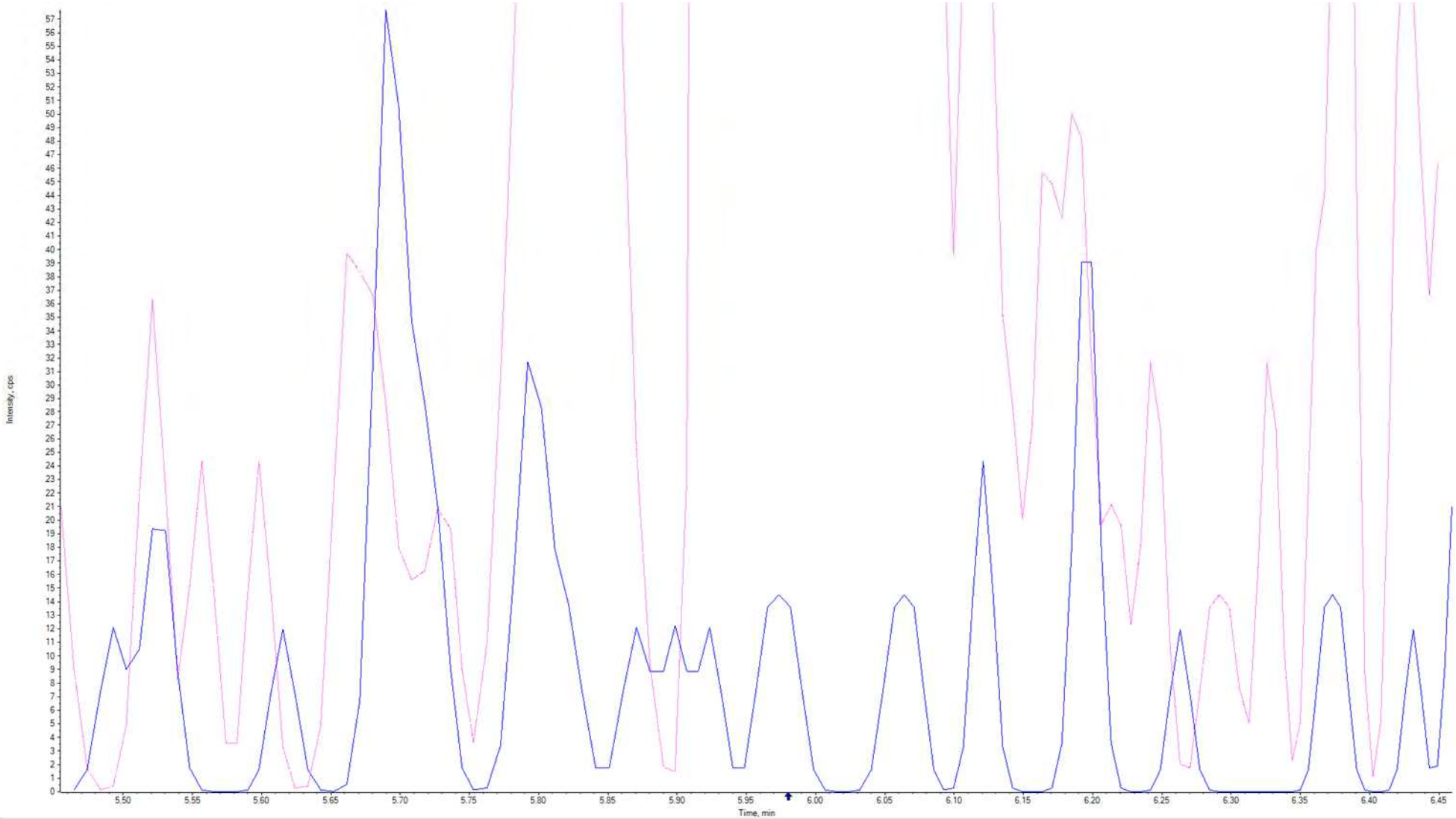
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

NMeFOSA
Sample: WG2035972-2,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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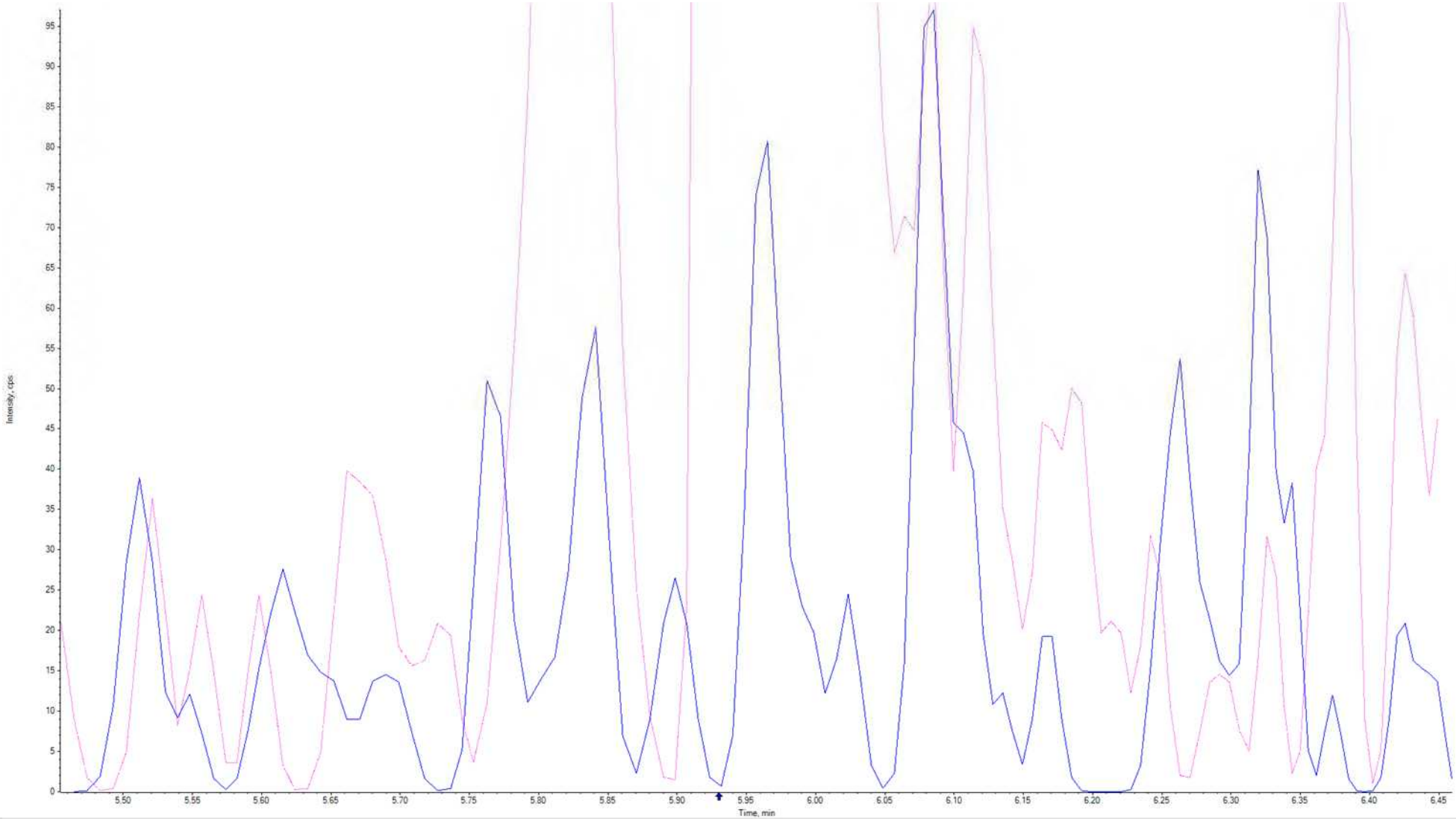
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

NMeFOSA_2
Sample: WG2035972-2,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: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

NEtFOSA
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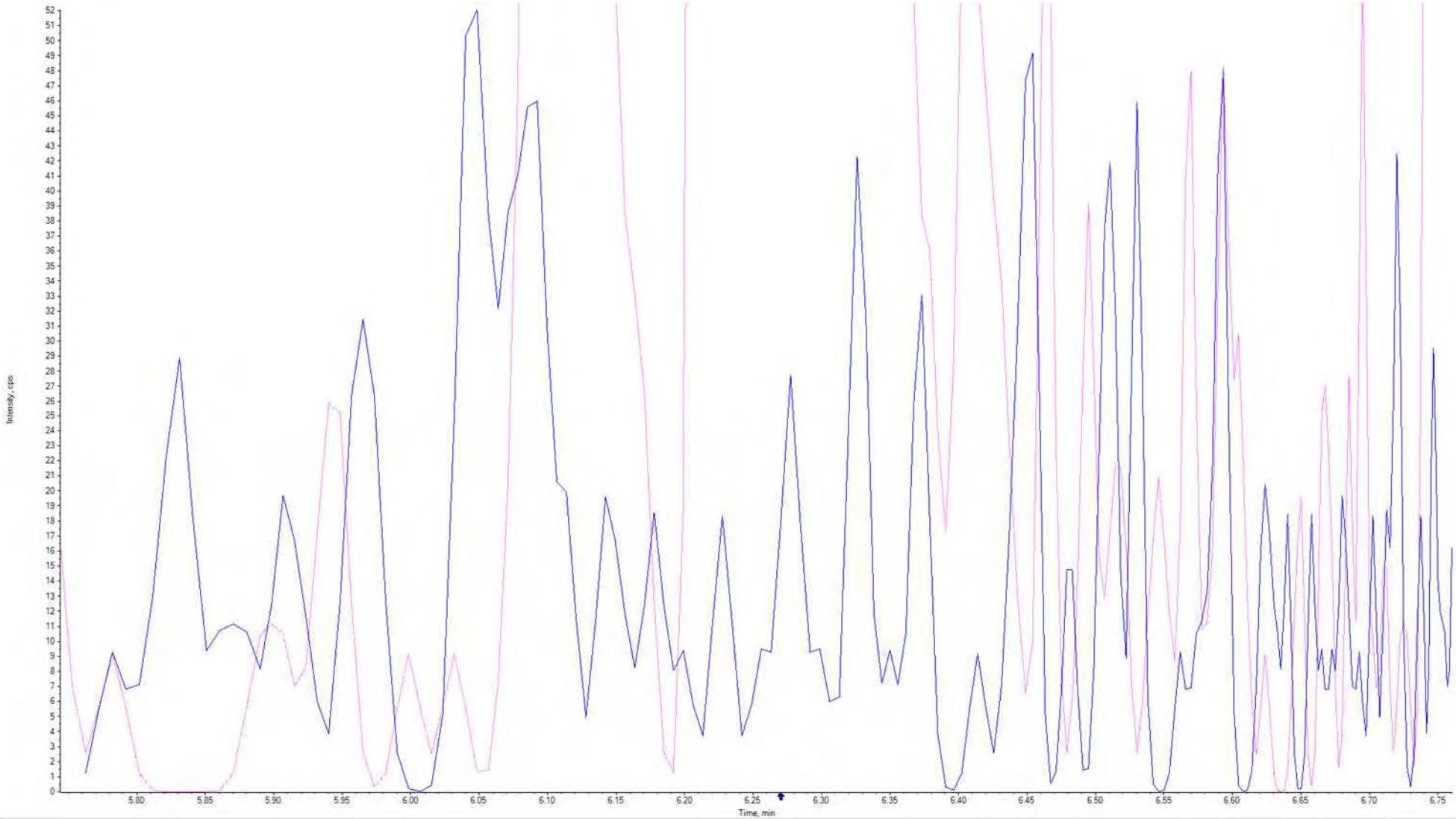

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

NEtFOSA_2
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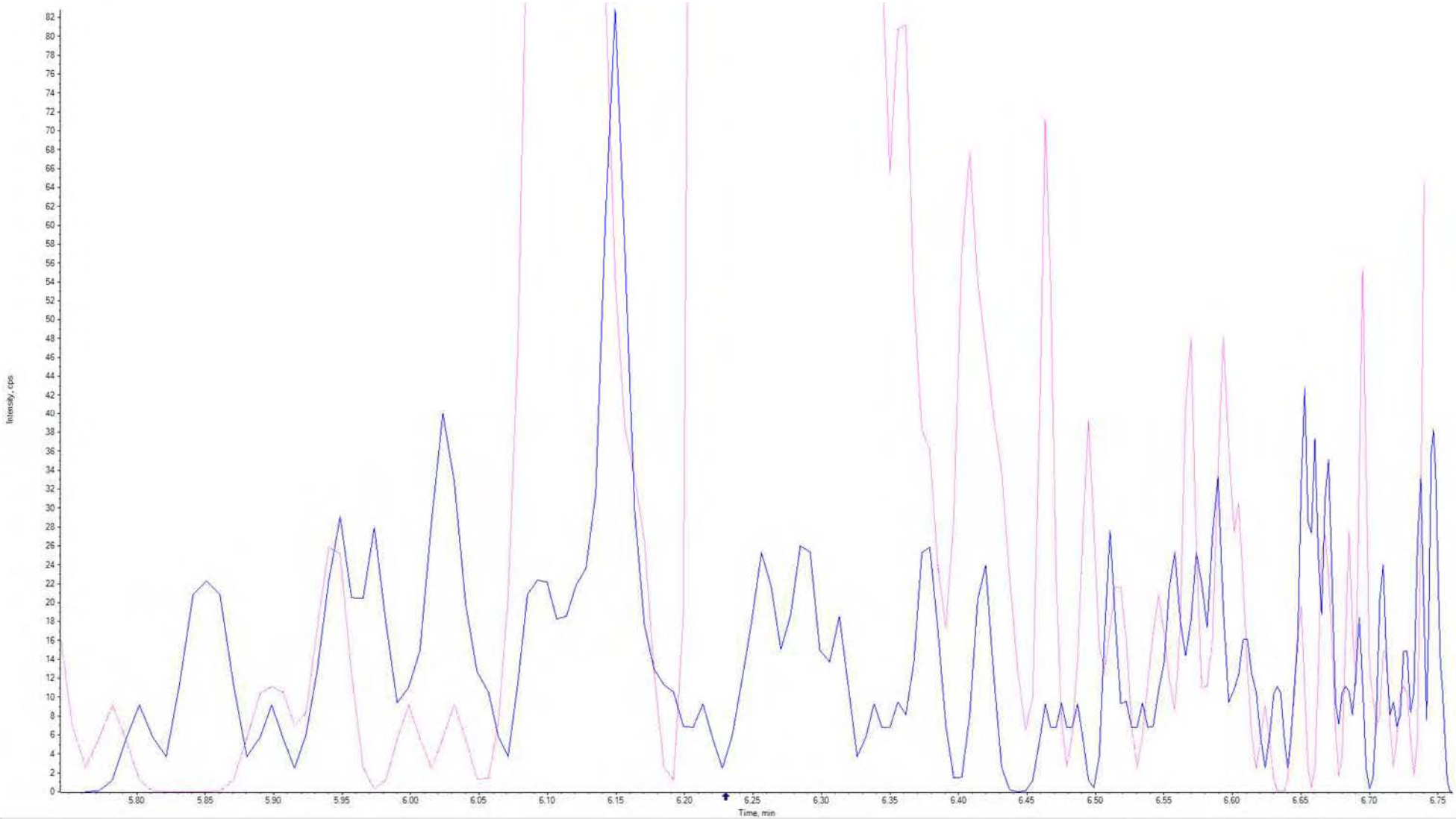

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

NMeFOSAA
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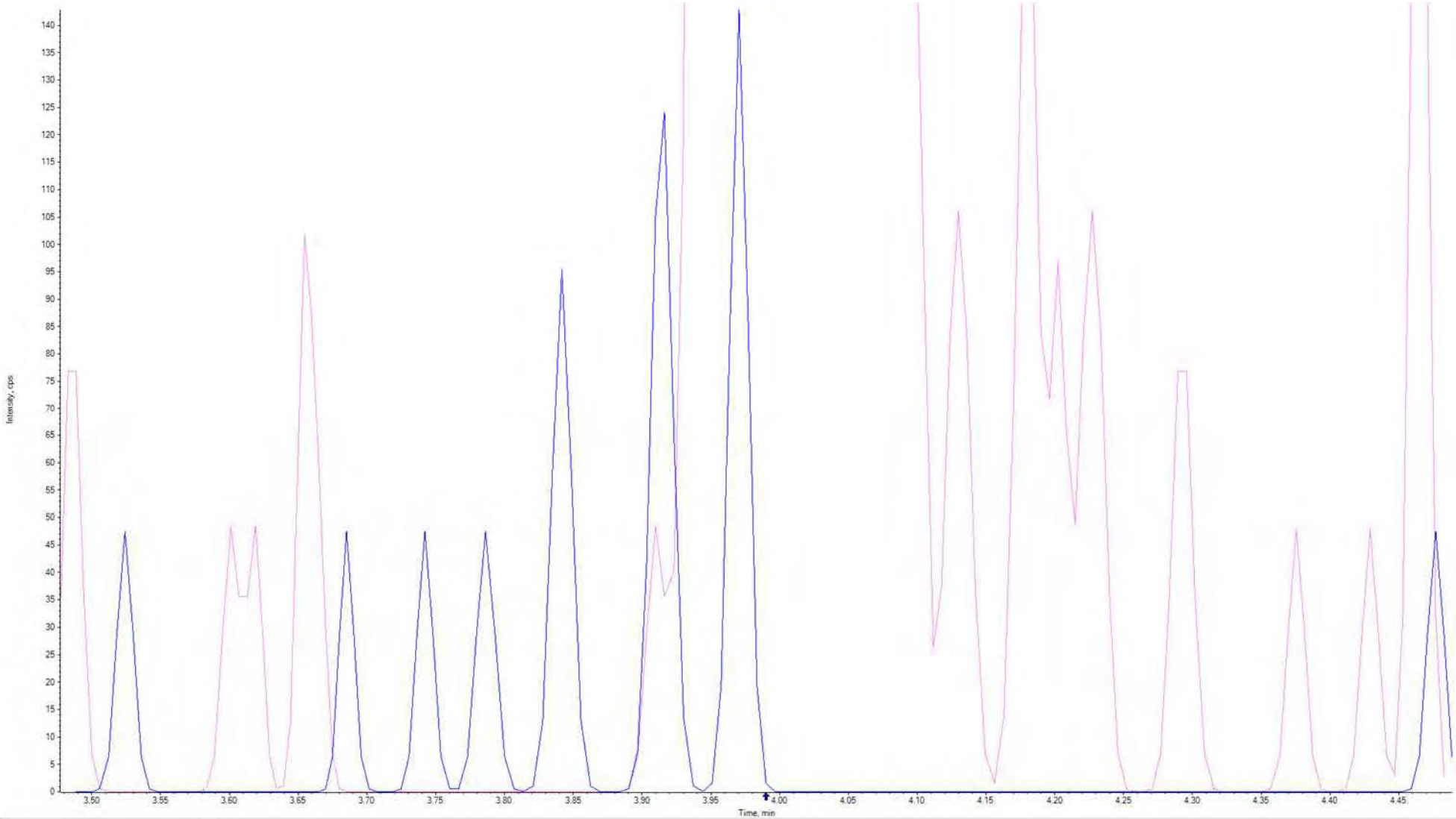

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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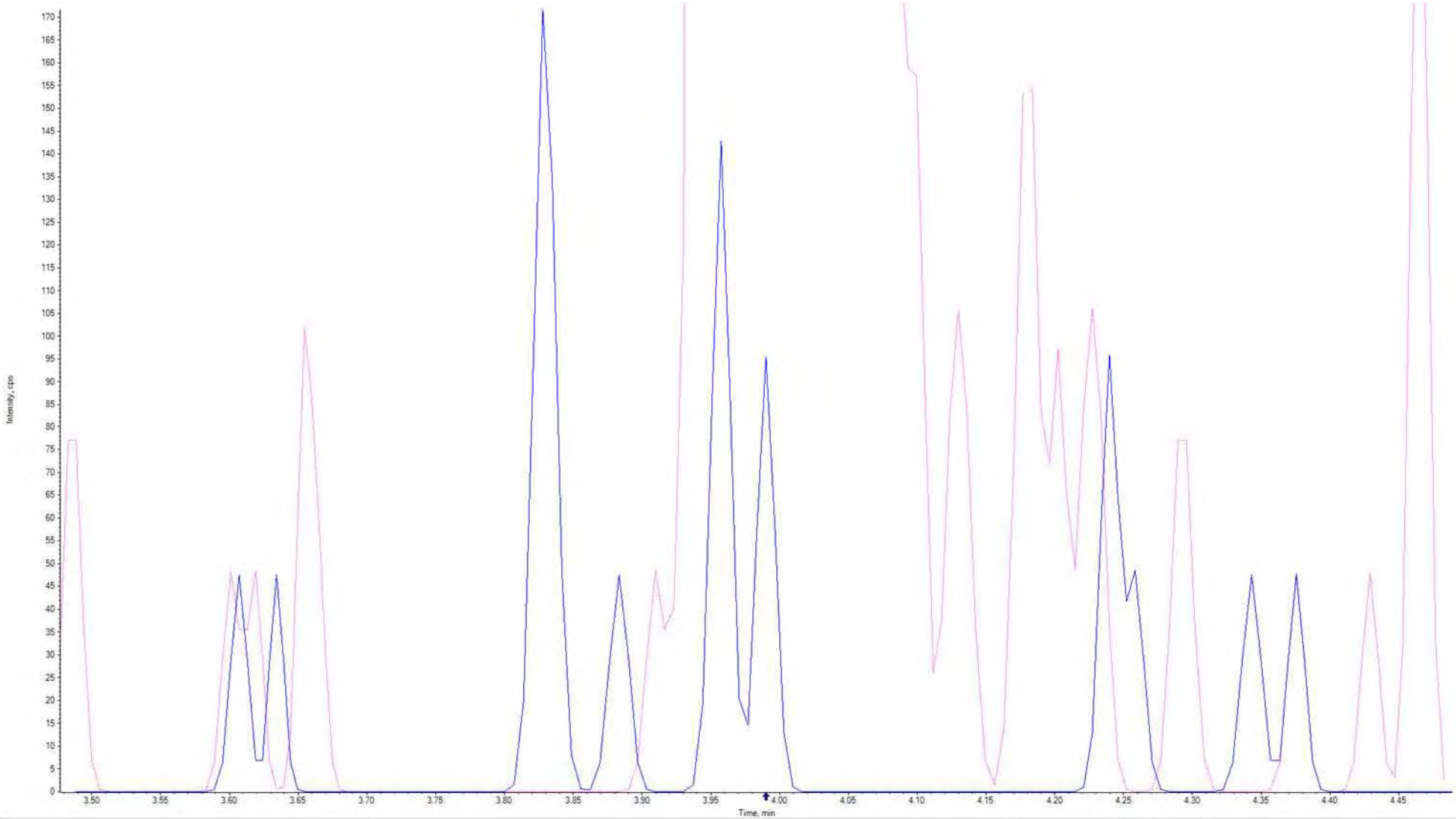
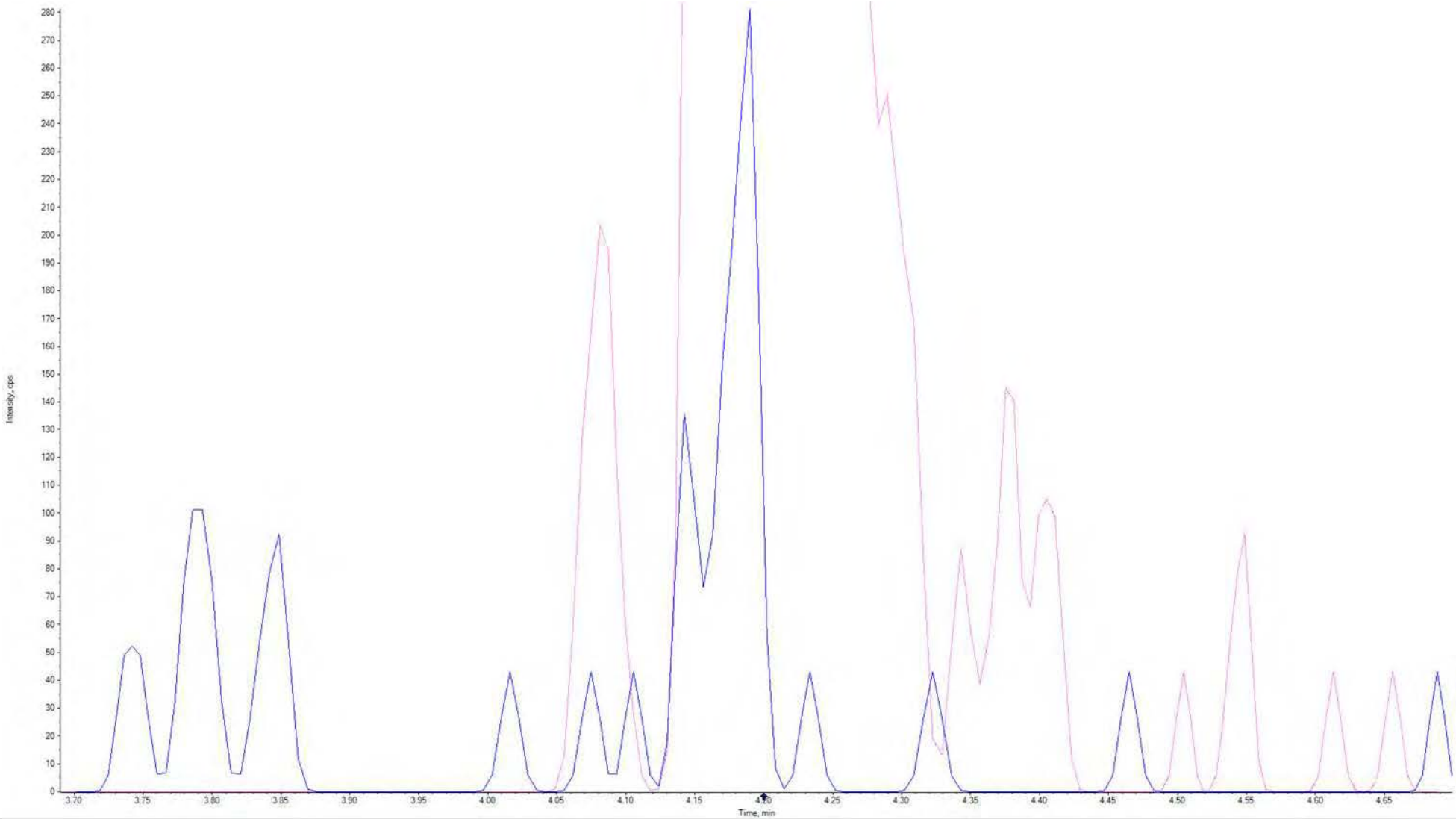
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

NMeFOSAA_2
Sample: WG2035972-2,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\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

NEtFOSAA
Sample: WG2035972-2,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: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

NEtFOSAA_2
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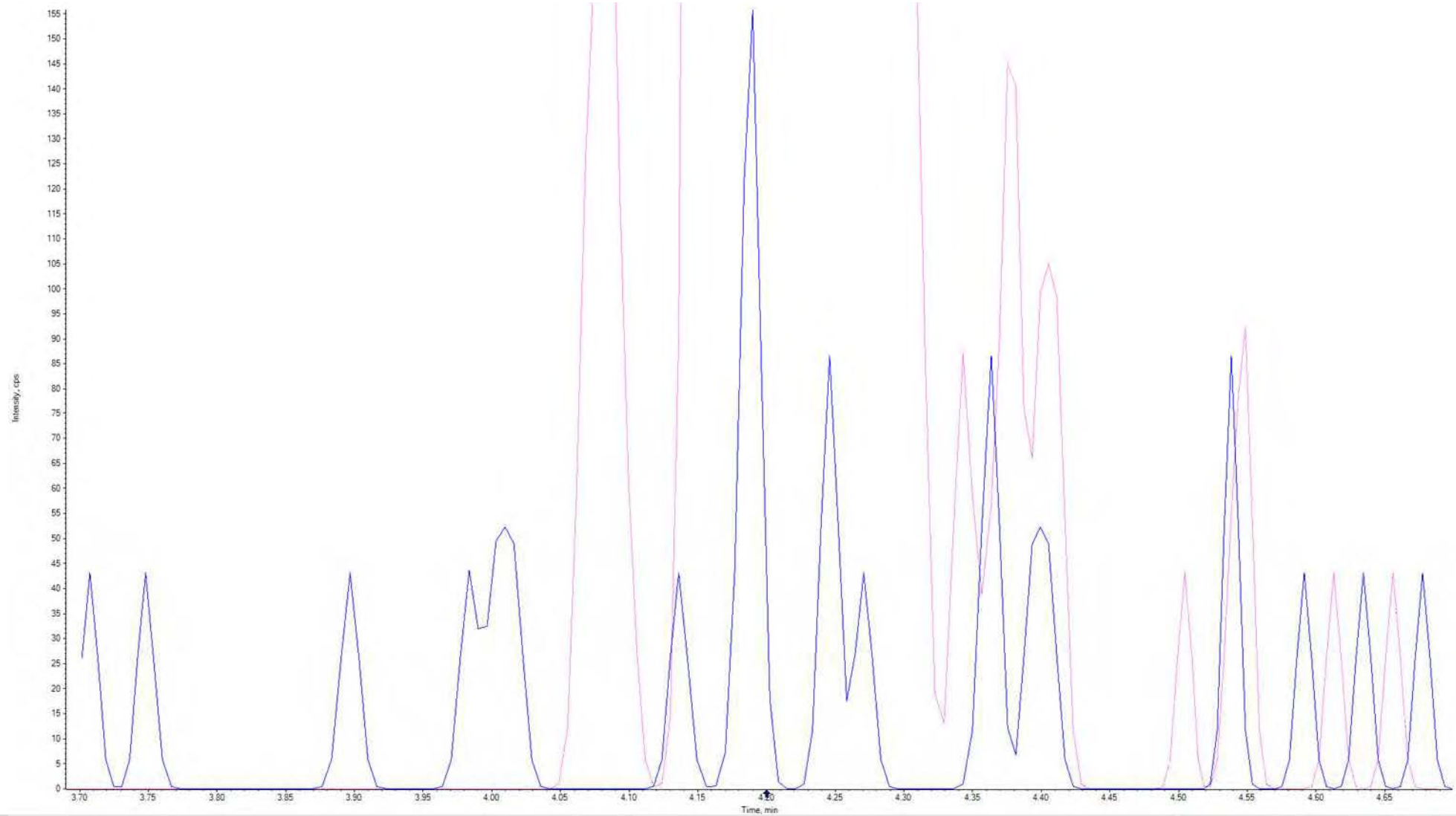

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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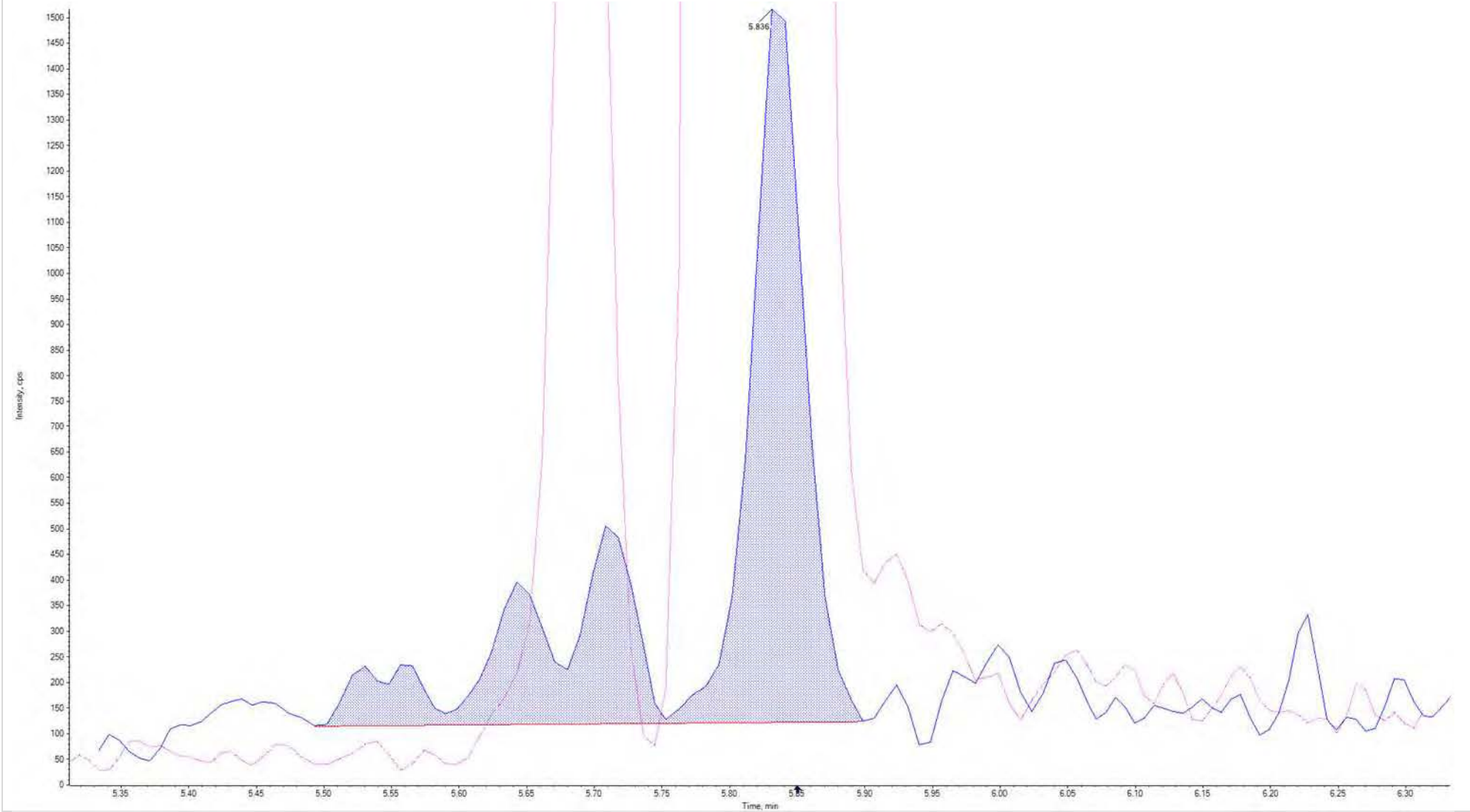
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

NMeFOSE
Sample: WG2035972-2,INSTBLANK S/N:37.2 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

NEtFOSE
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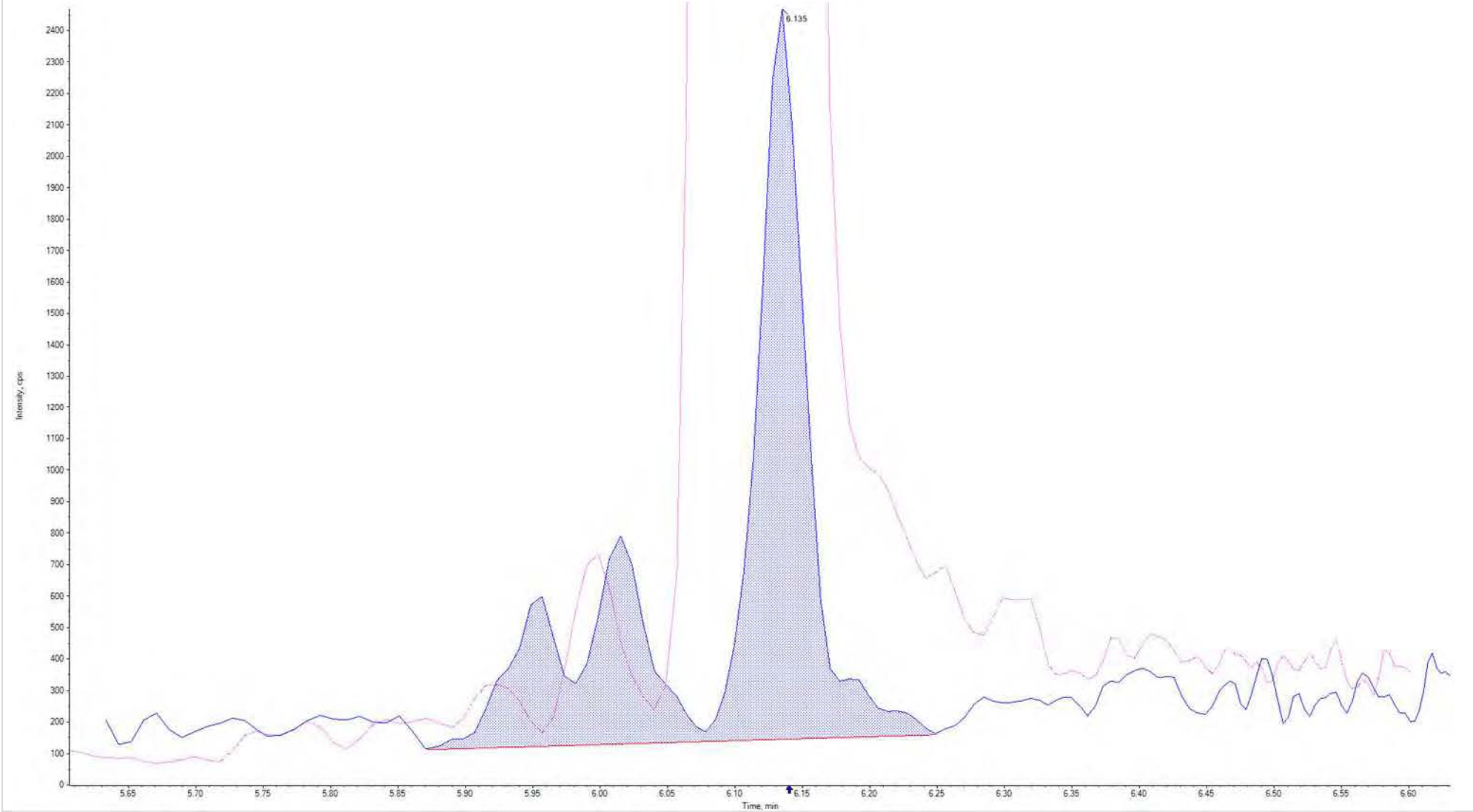

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

HFPO-DA
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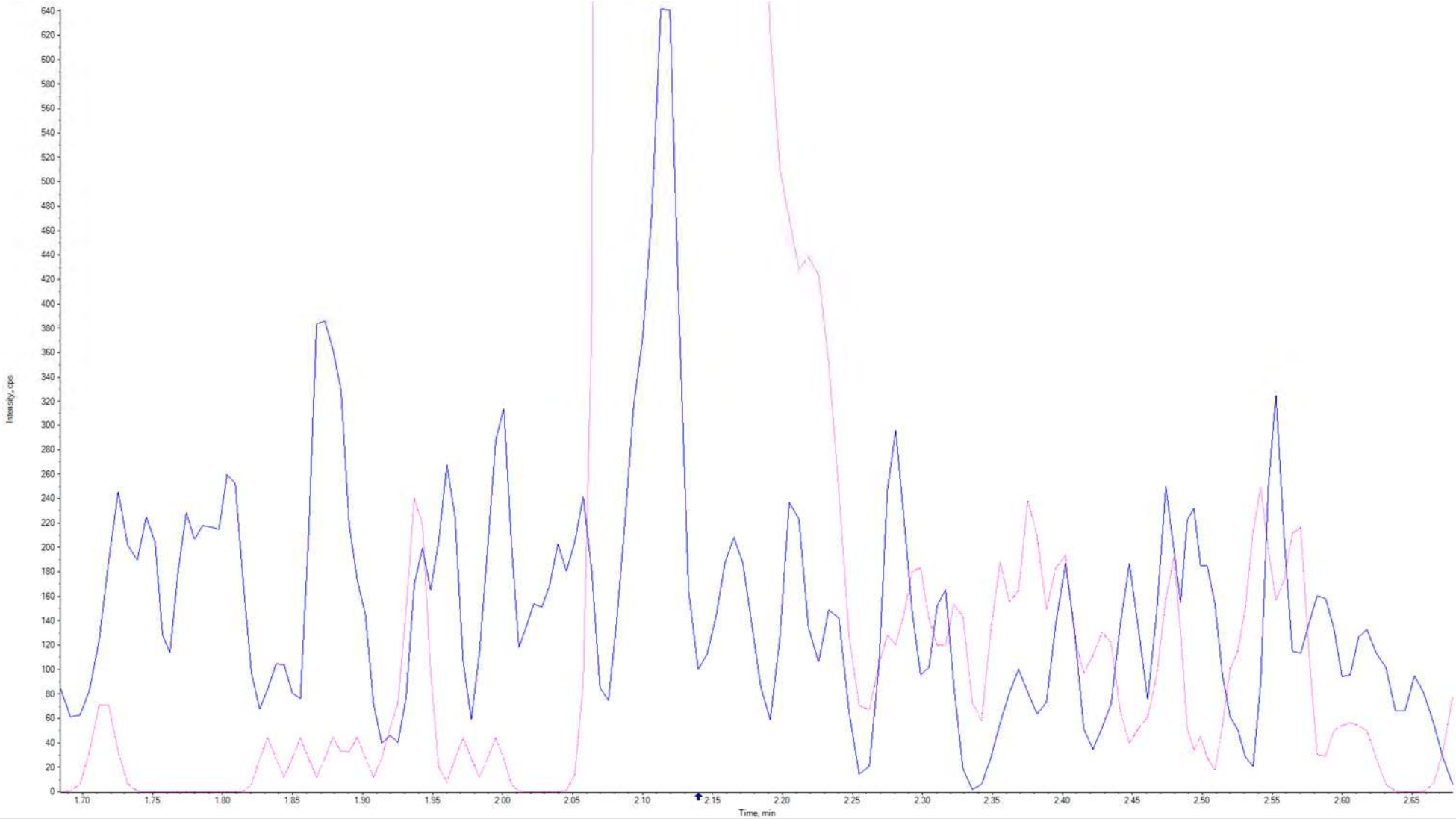

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

HFPO-DA_2
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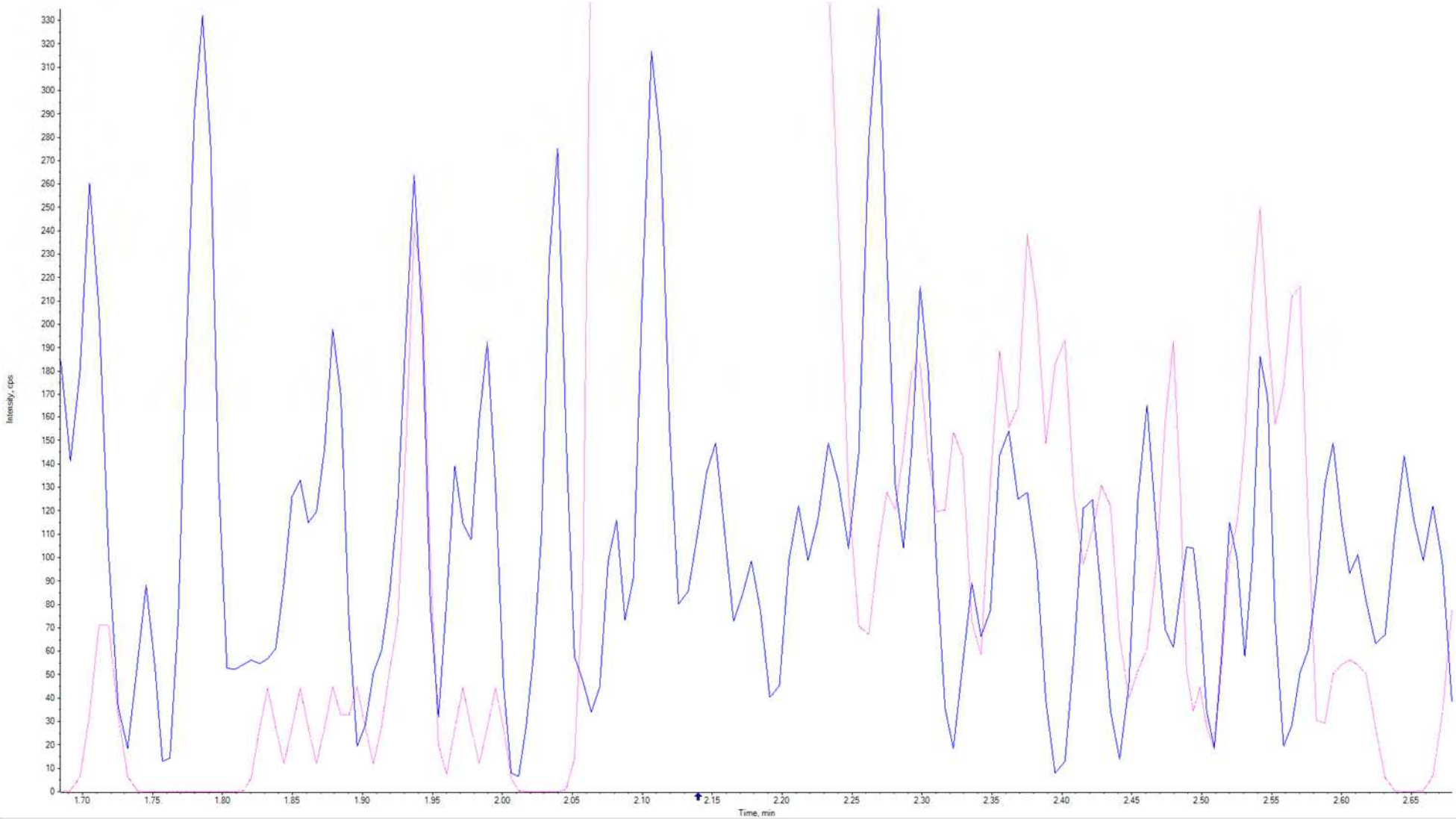

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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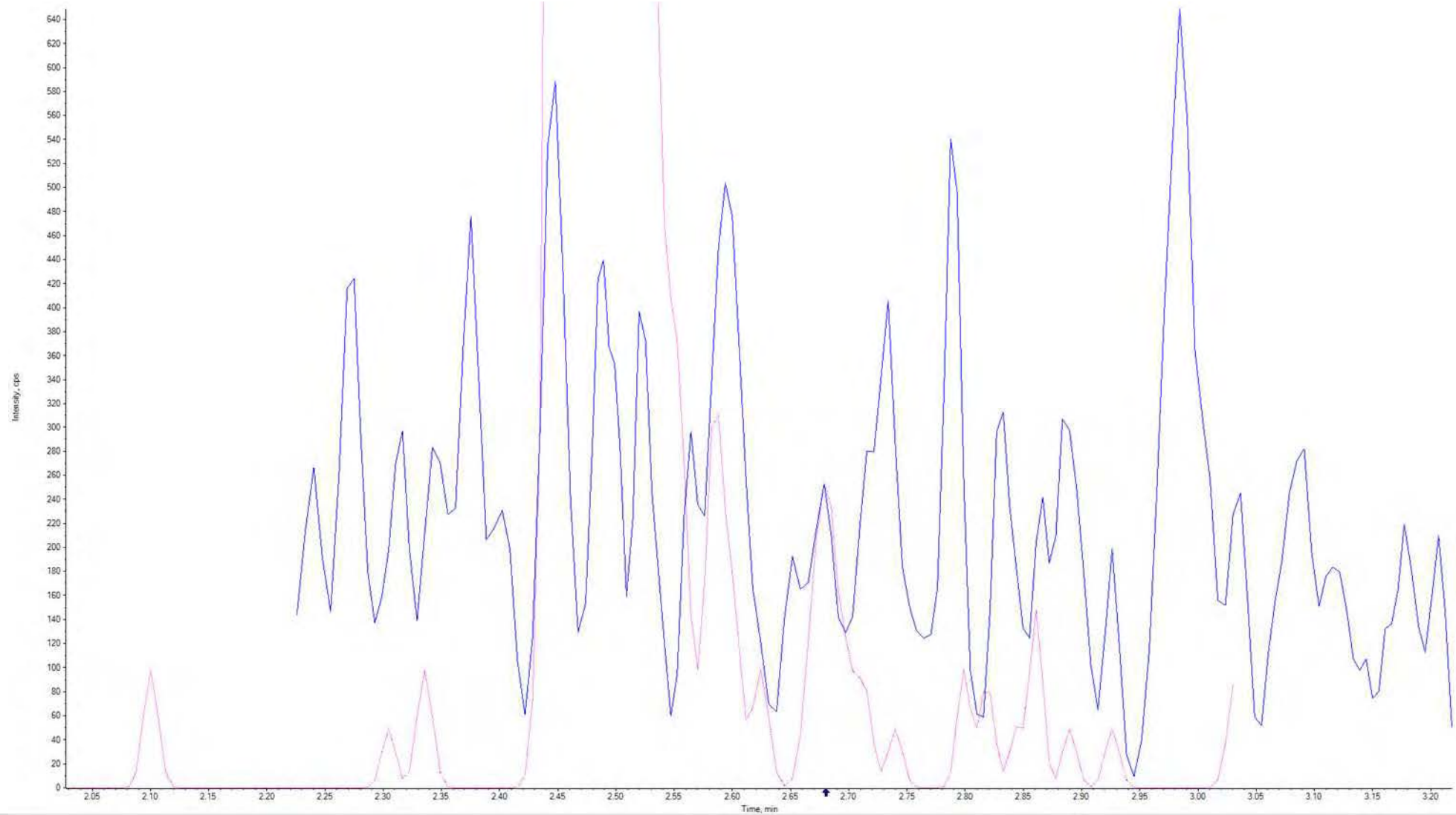
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

ADONA
Sample: WG2035972-2,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: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

ADONA_2
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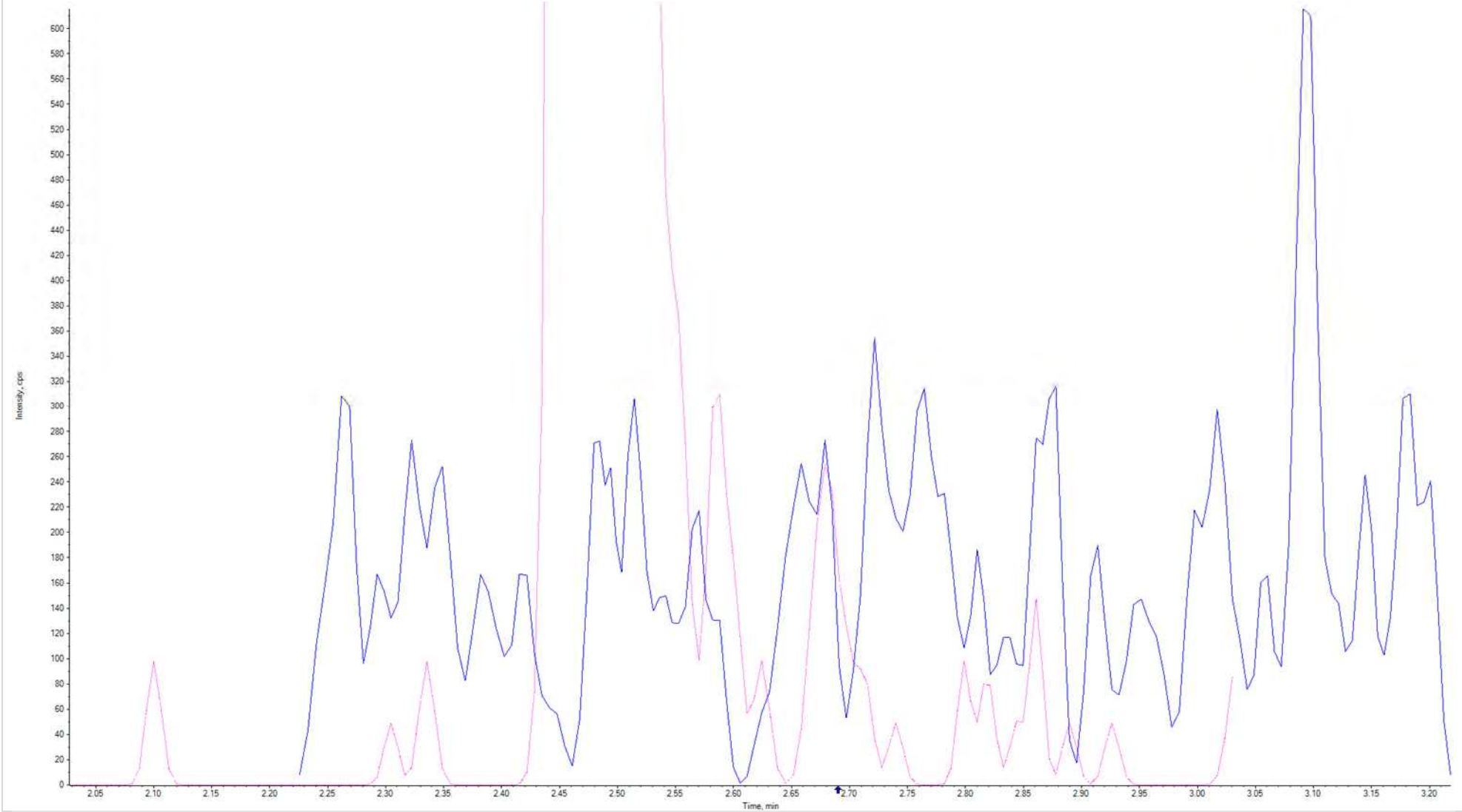

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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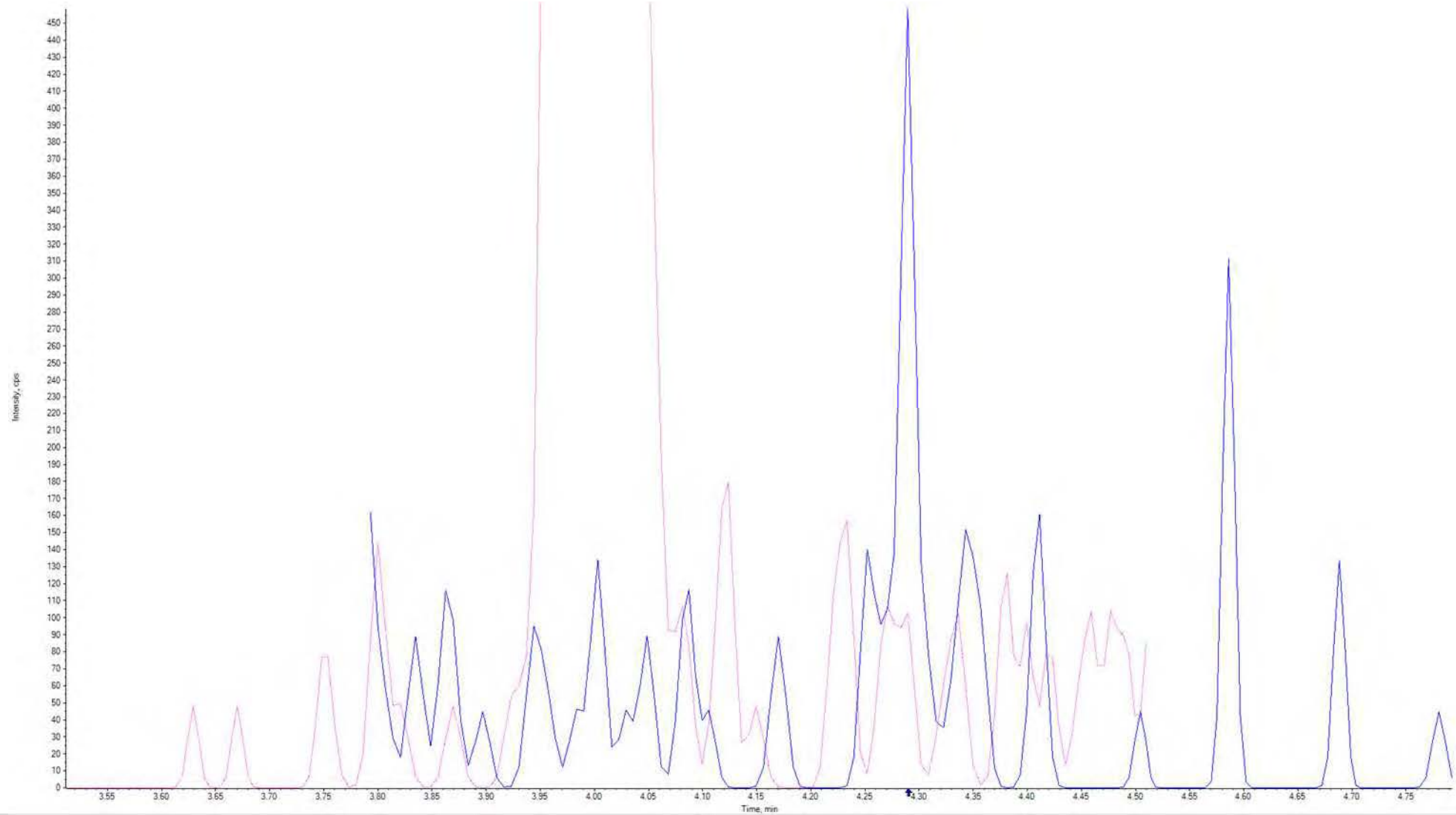
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

9Cl-PF3ONS
Sample: WG2035972-2,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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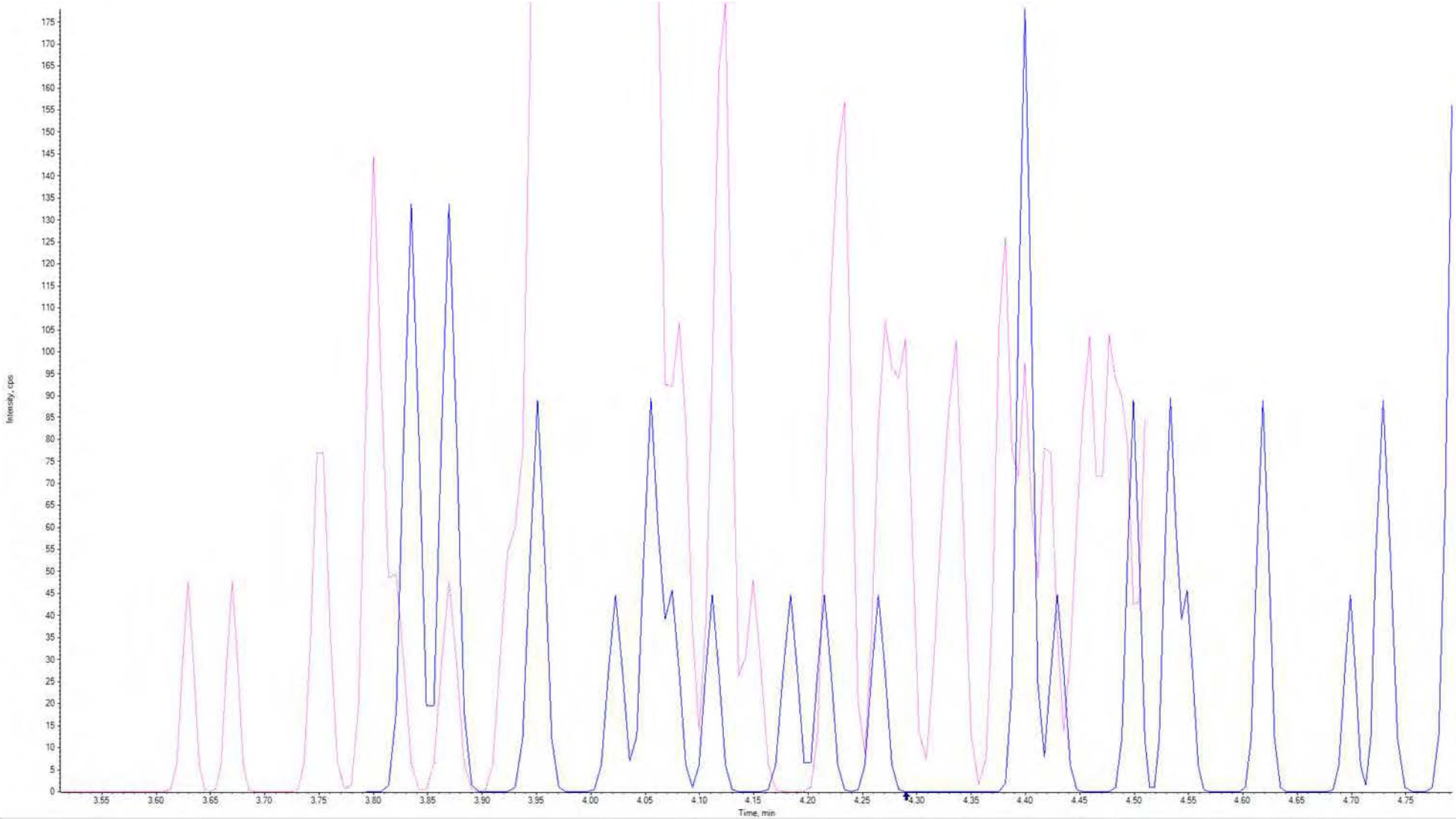
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

9Cl-PF3ONS_2
Sample: WG2035972-2,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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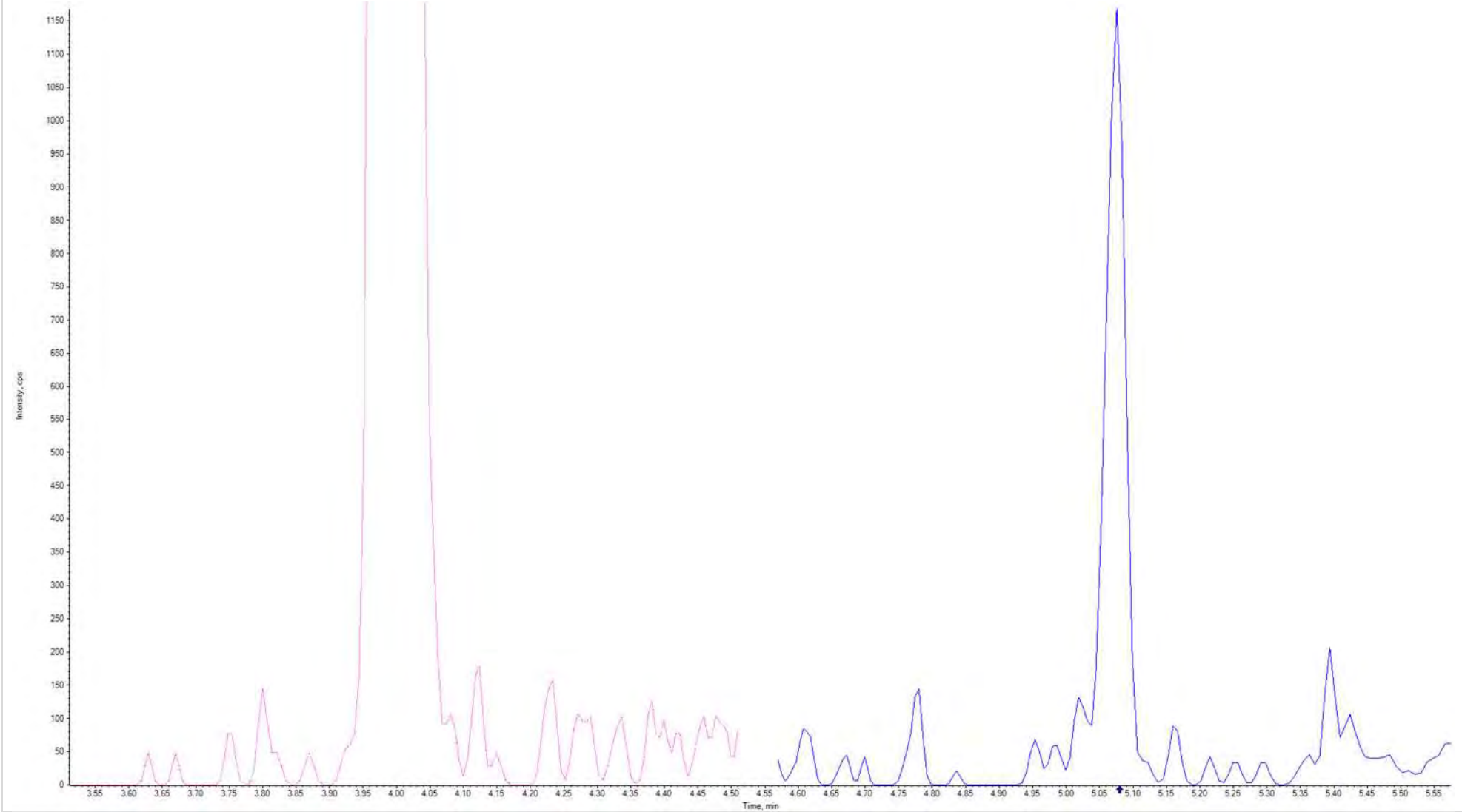
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

11Cl-PF3OUdS
Sample: WG2035972-2,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: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

11Cl-PF3OUdS_2
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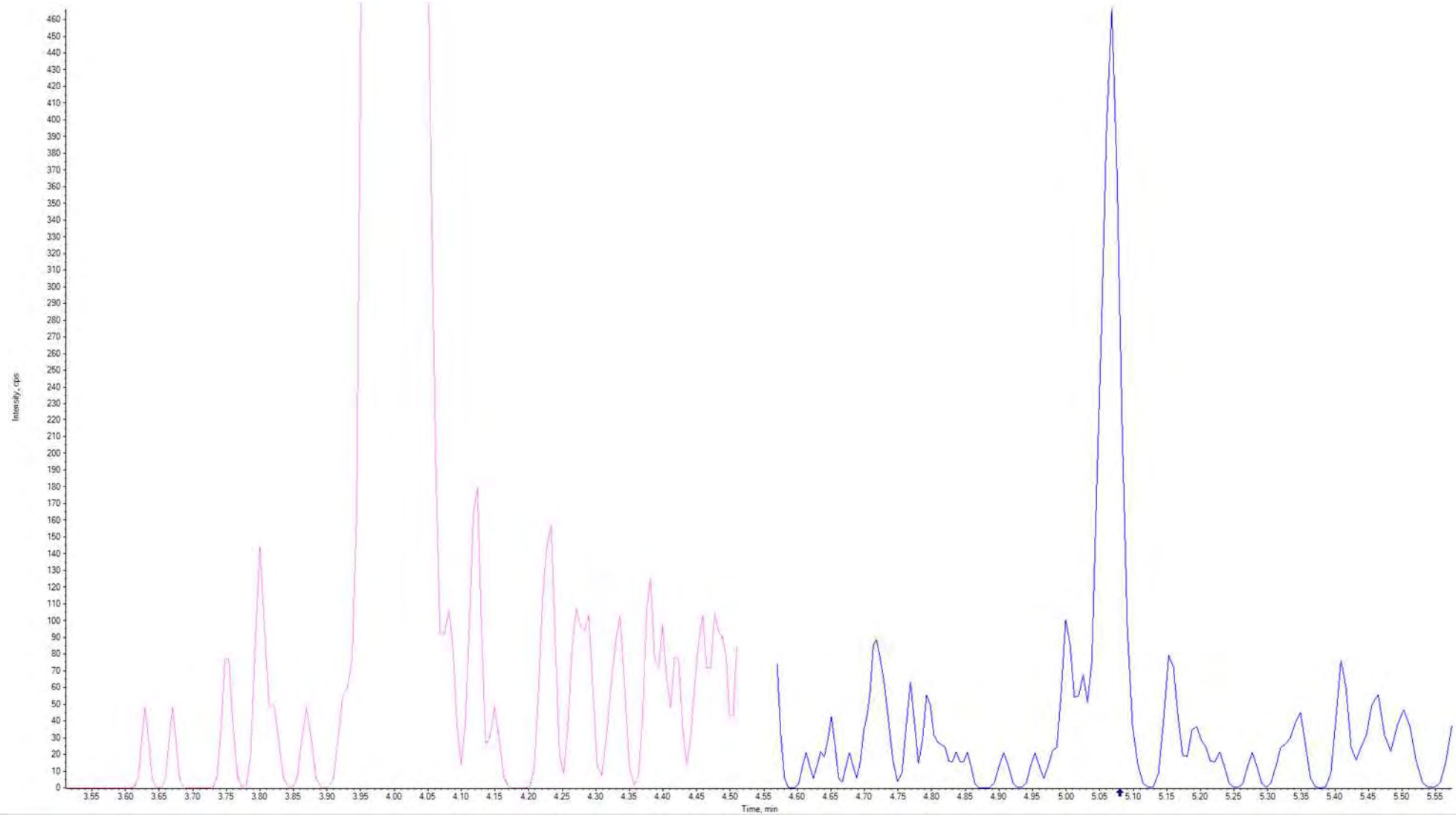

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

3:3FTCA
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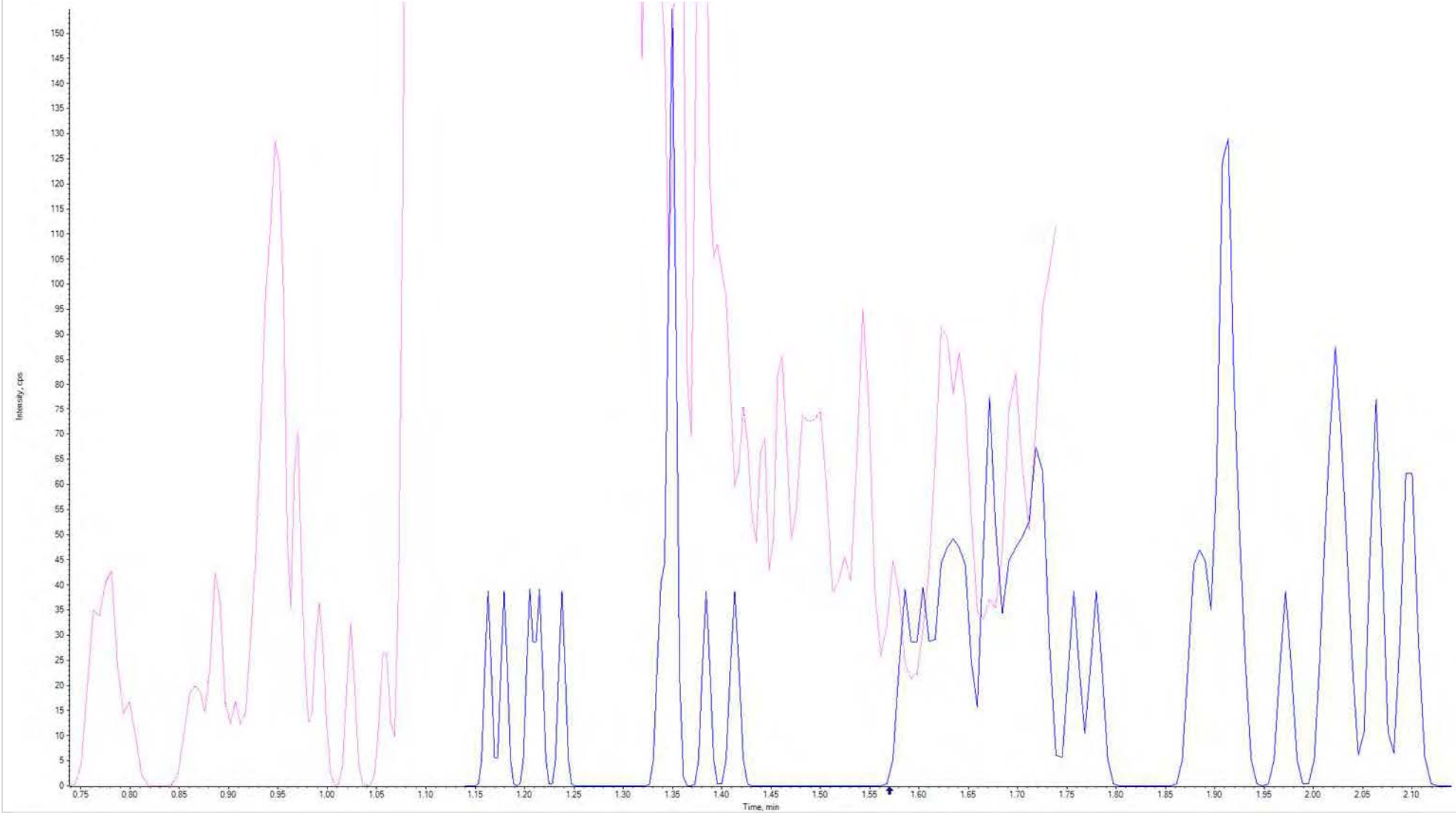
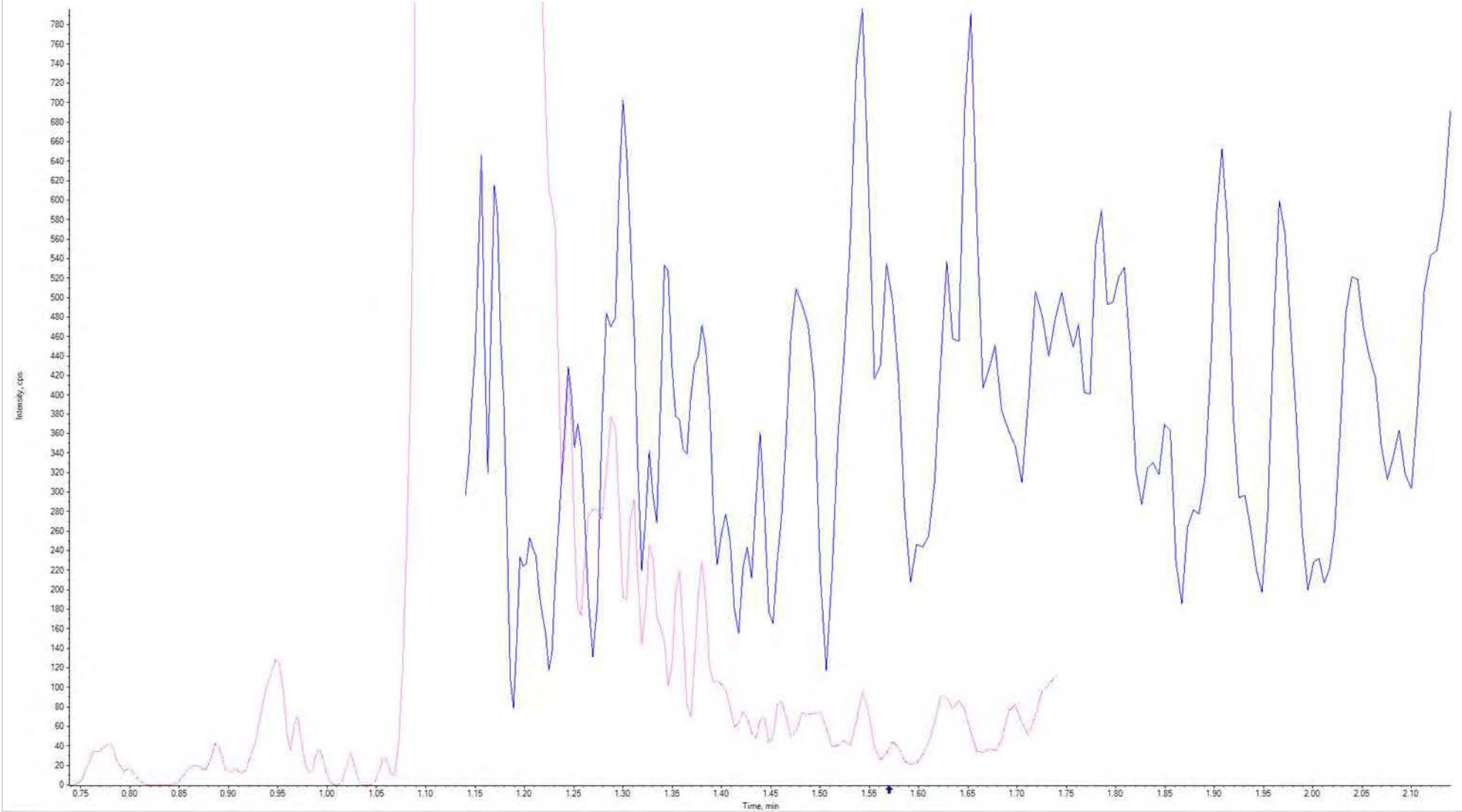
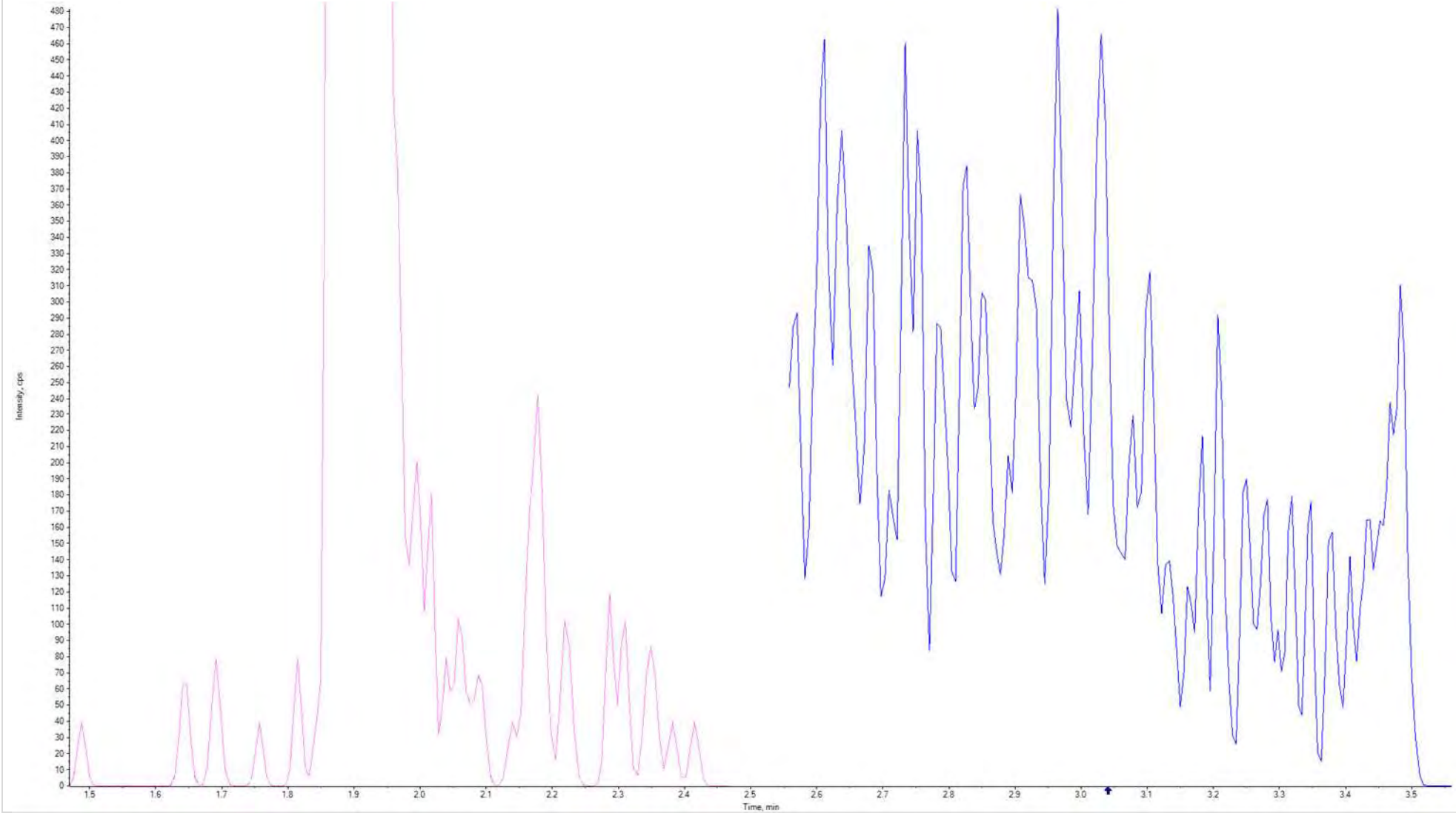


3:3FTCA_2
Sample: WG2035972-2,INSTBLANK S/N:N/A Points Across peak:N/A



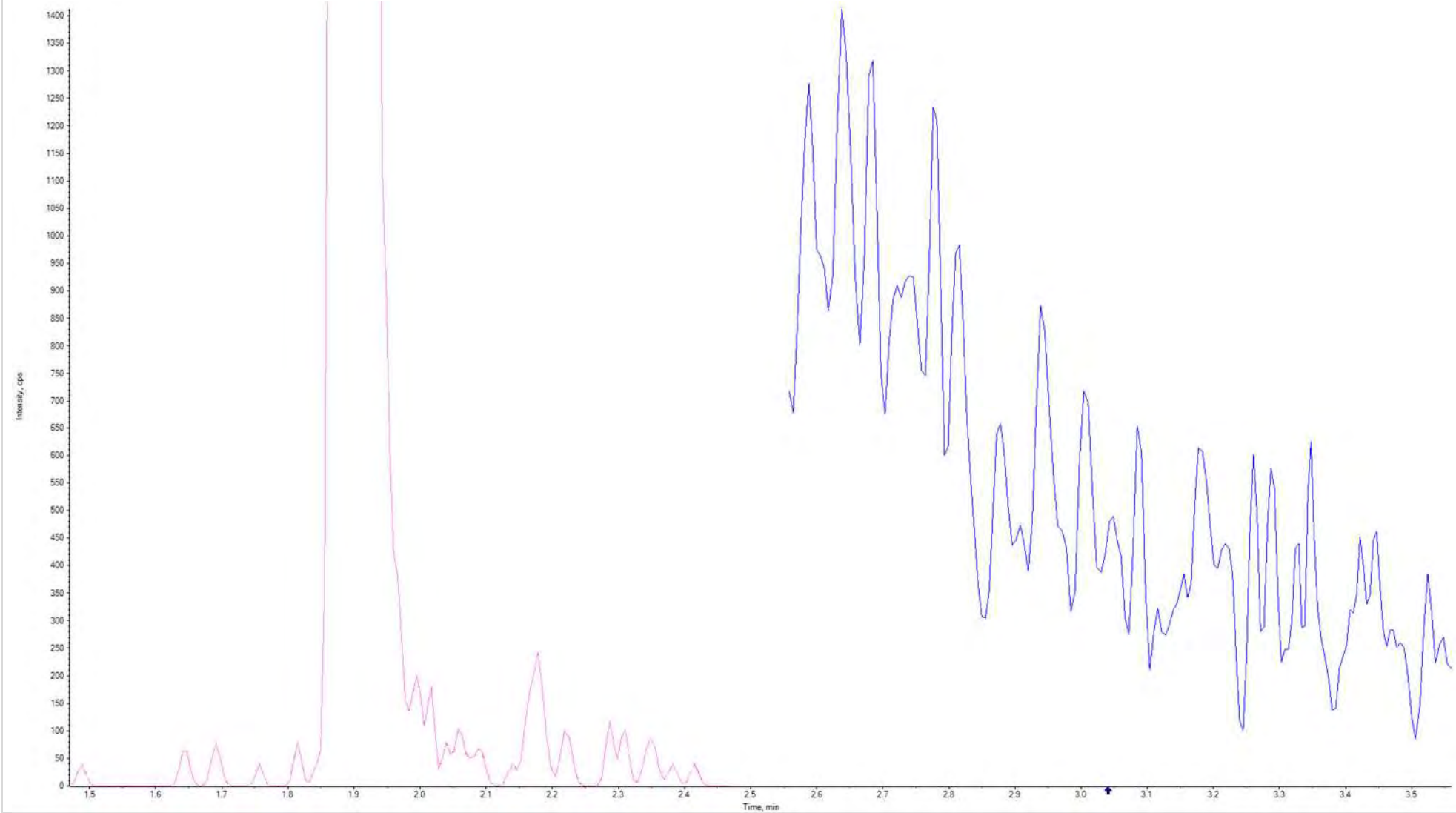
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

5:3FTCA
Sample: WG2035972-2,INSTBLANK S/N:N/A Points Across peak:N/A



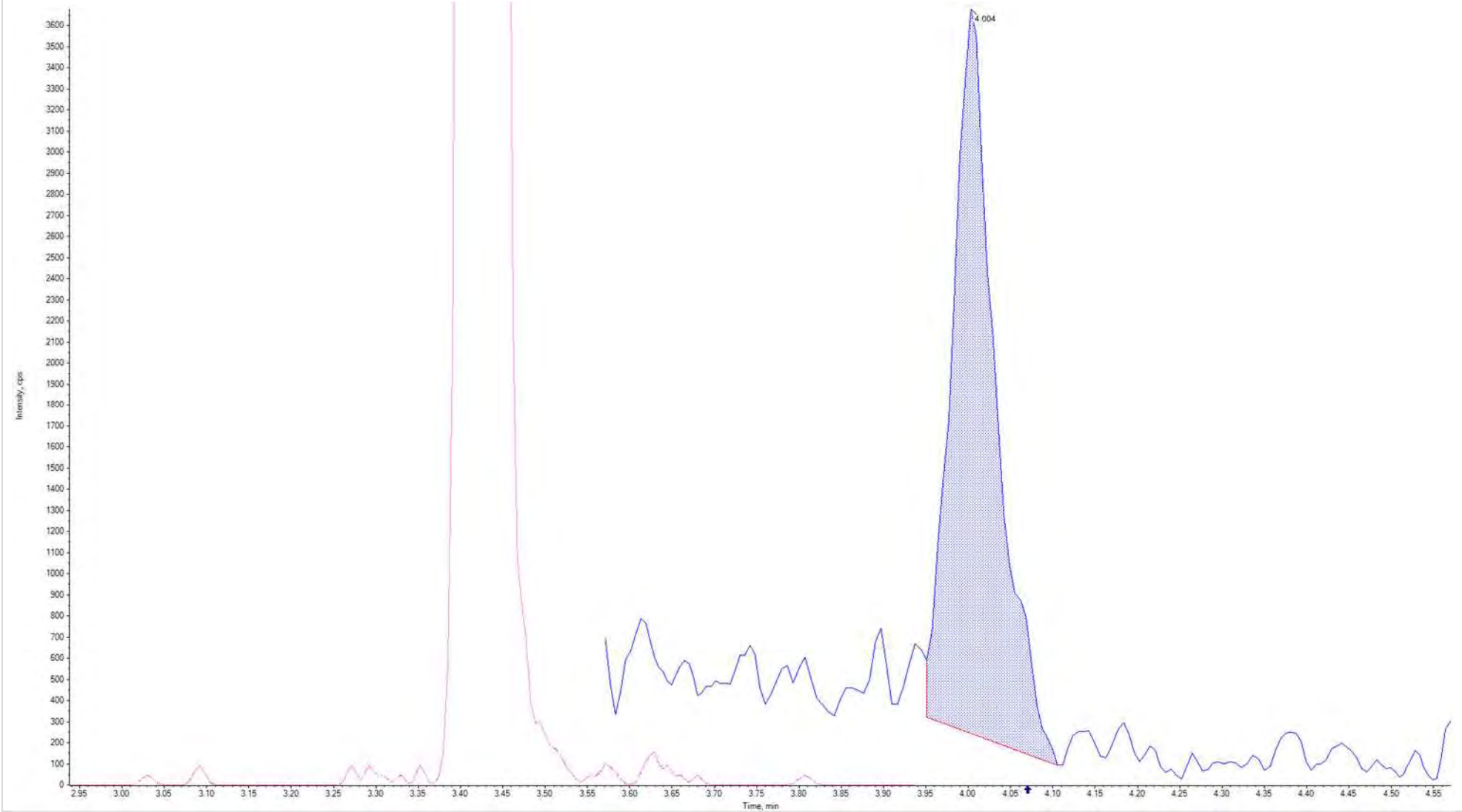
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

5:3FTCA_2
Sample: WG2035972-2,INSTBLANK S/N:N/A Points Across peak:N/A



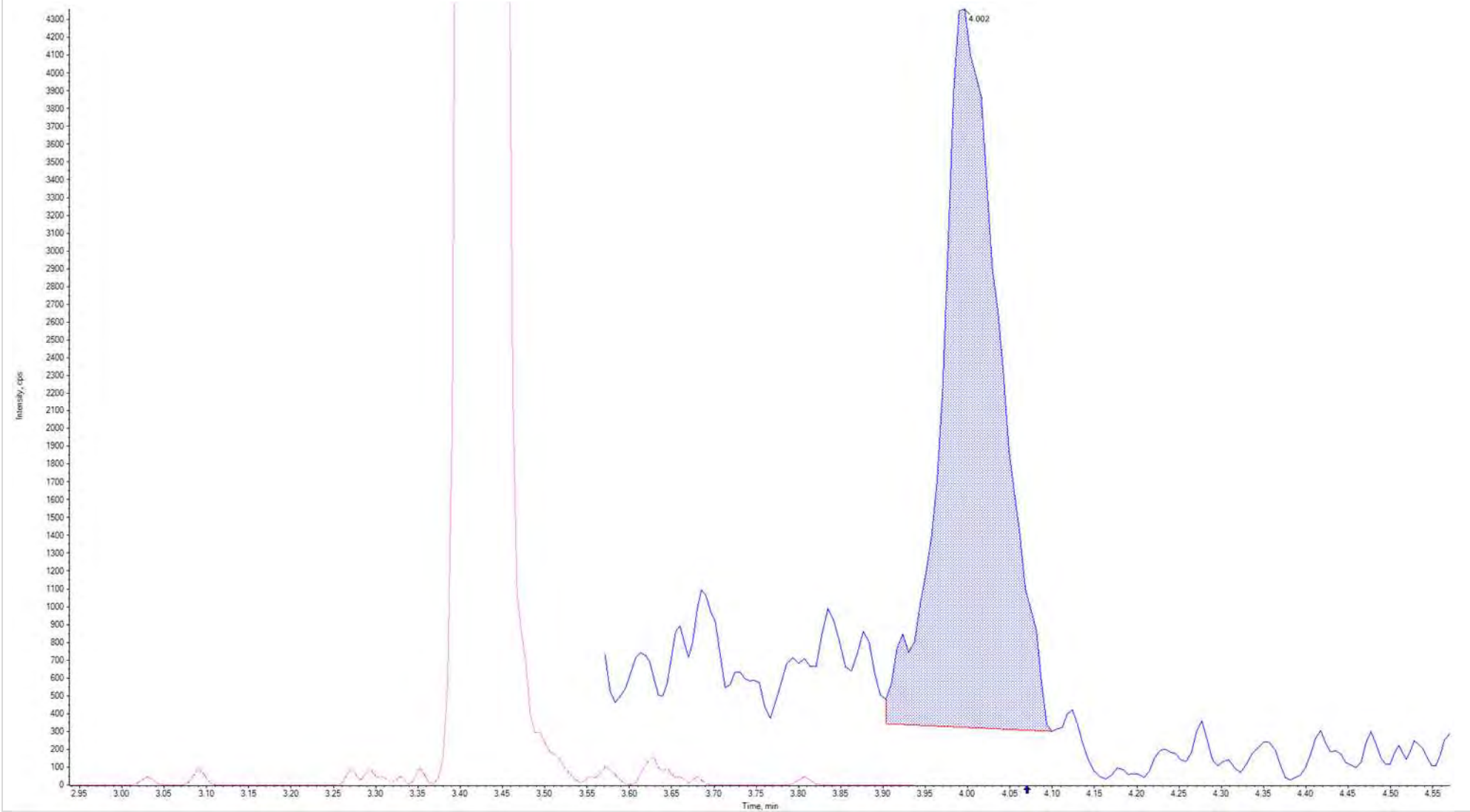
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

7:3FTCA
Sample: WG2035972-2,INSTBLANK S/N:94.7 Points Across peak:25



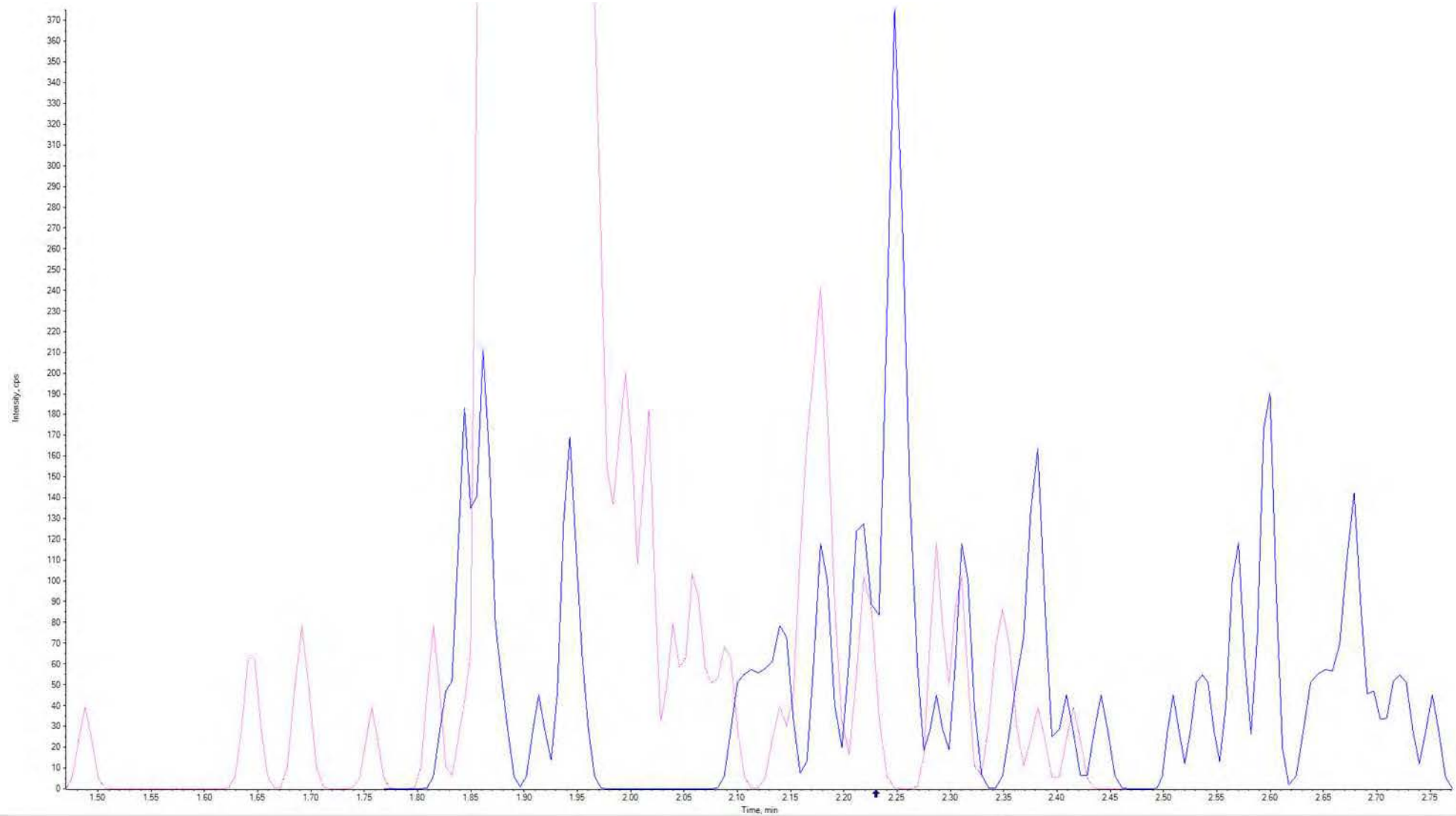
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

7:3FTCA_2
Sample: WG2035972-2,INSTBLANK S/N:111.3 Points Across peak:31



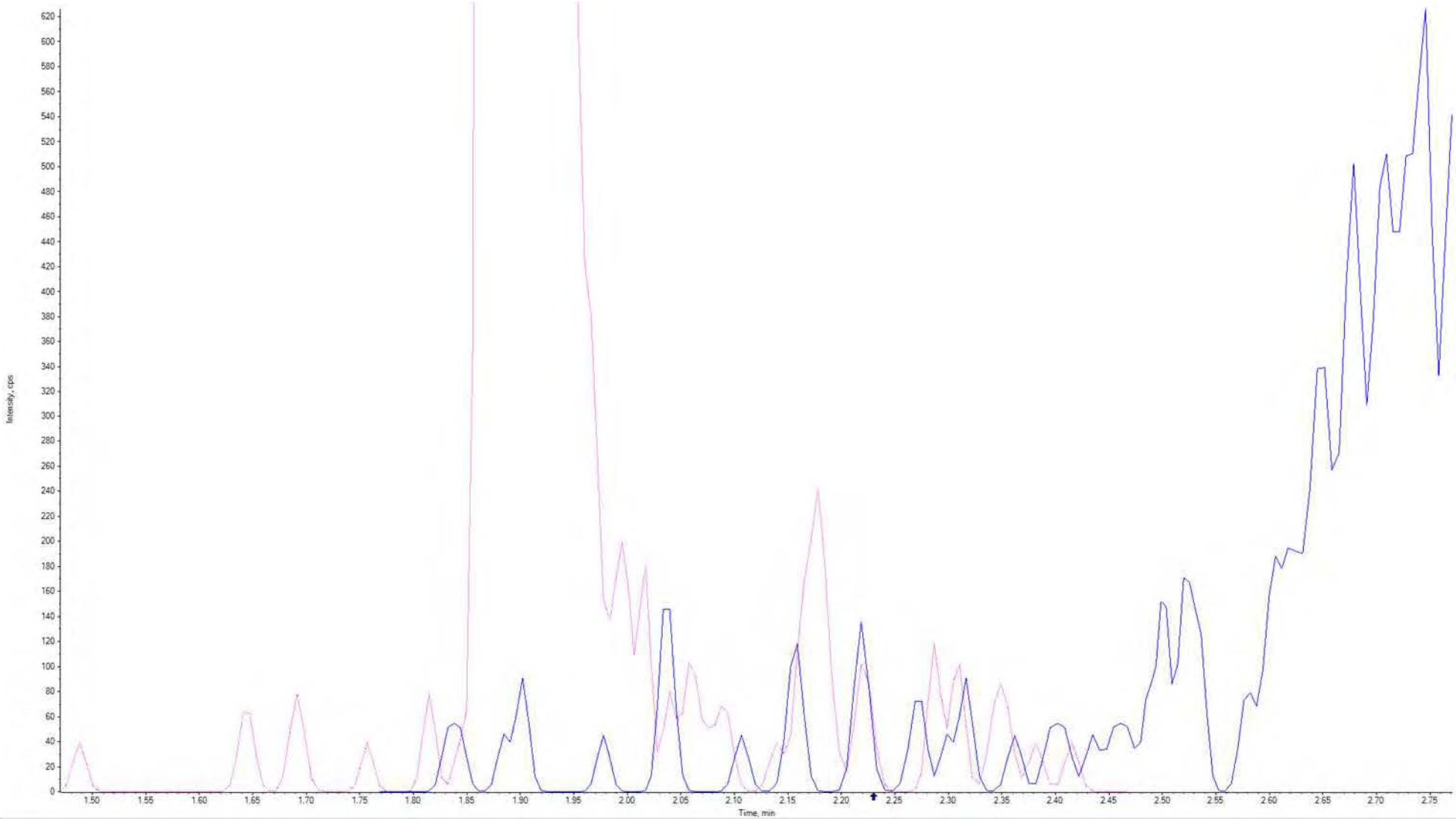
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFEESA
Sample: WG2035972-2,INSTBLANK S/N:N/A Points Across peak:N/A



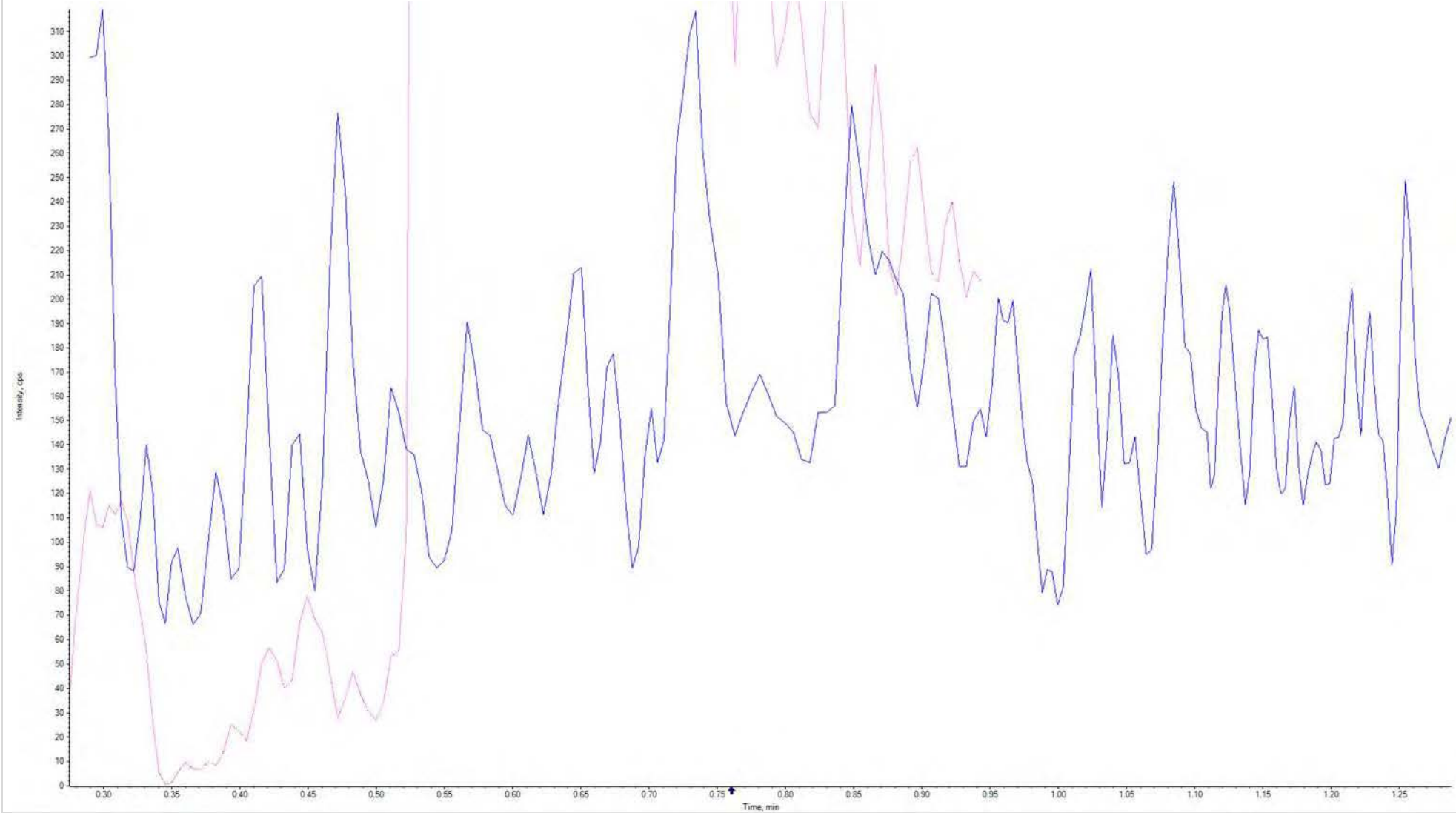
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFEESA_2
Sample: WG2035972-2,INSTBLANK S/N:N/A Points Across peak:N/A



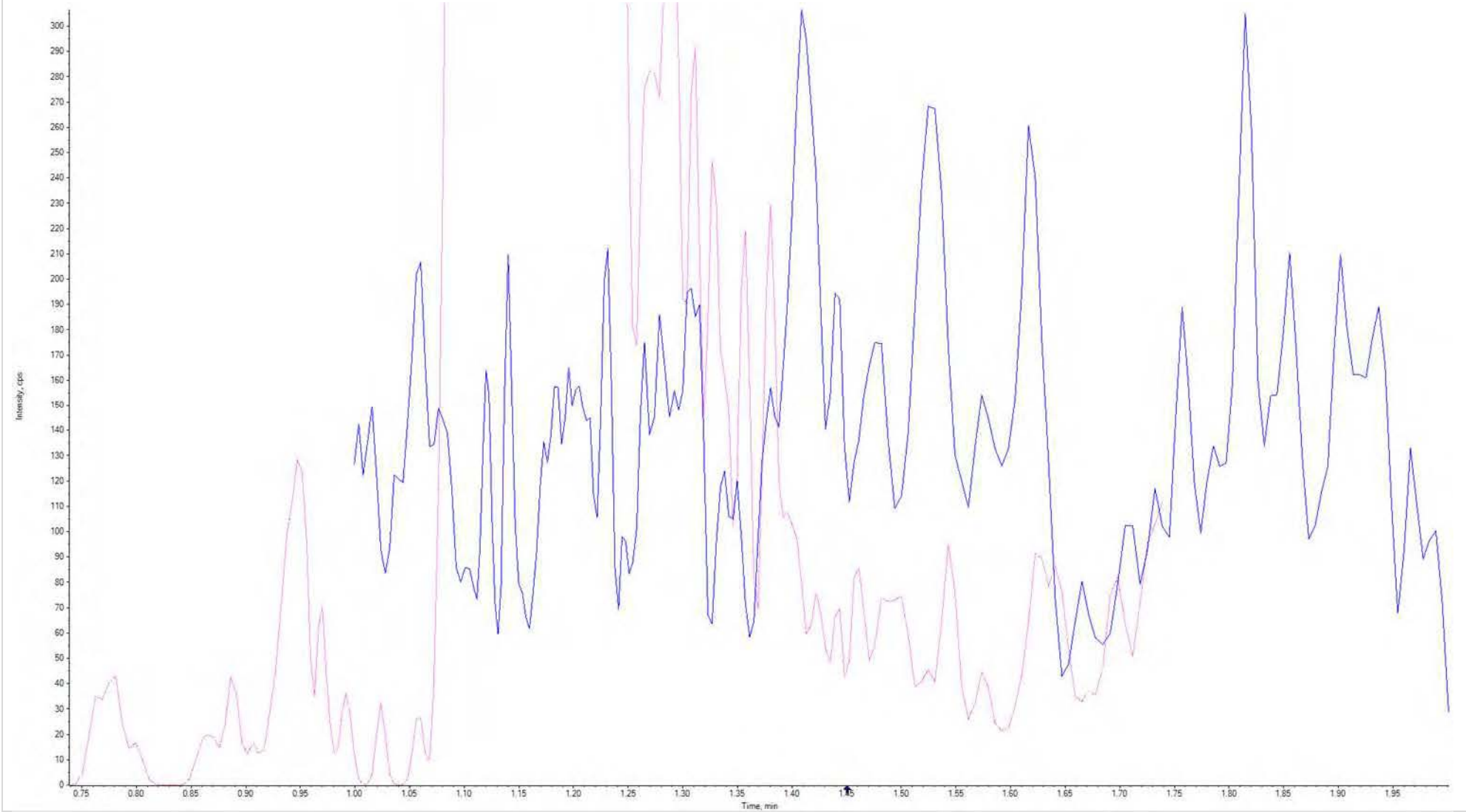
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFMPA
Sample: WG2035972-2,INSTBLANK S/N:N/A Points Across peak:N/A



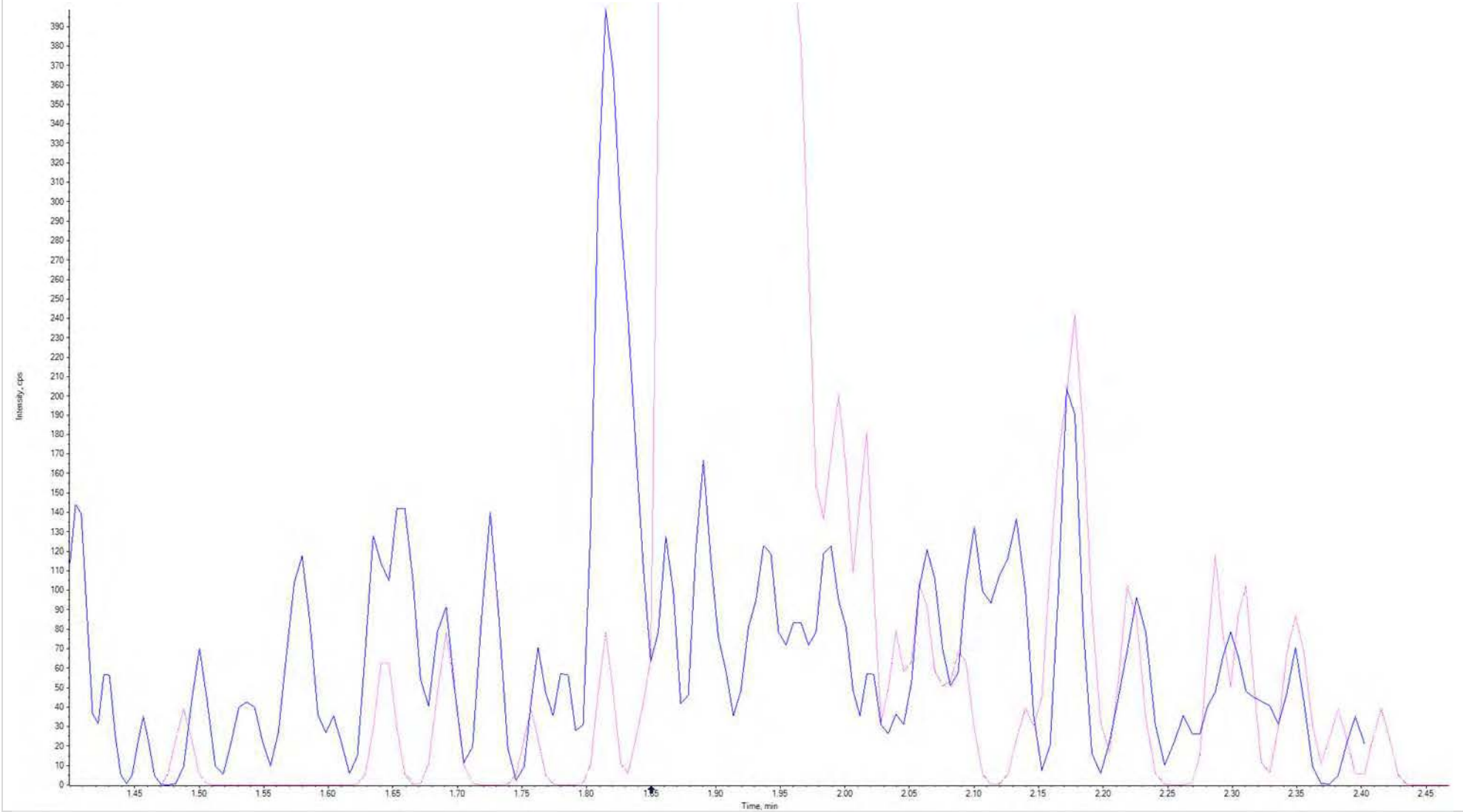
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

PFMBA
Sample: WG2035972-2,INSTBLANK S/N:N/A Points Across peak:N/A



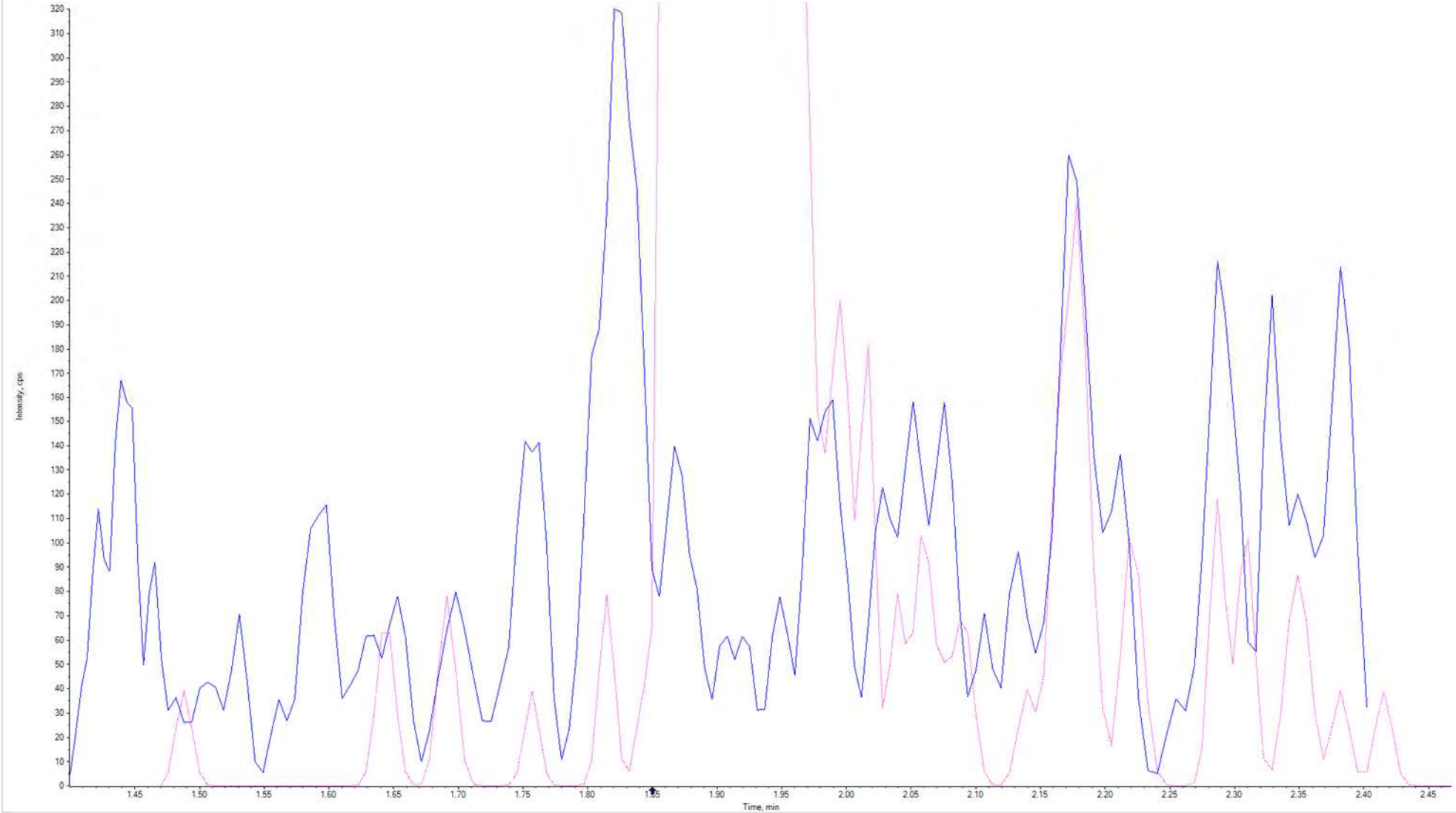
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

NFDHA
Sample: WG2035972-2,INSTBLANK S/N:N/A Points Across peak:N/A



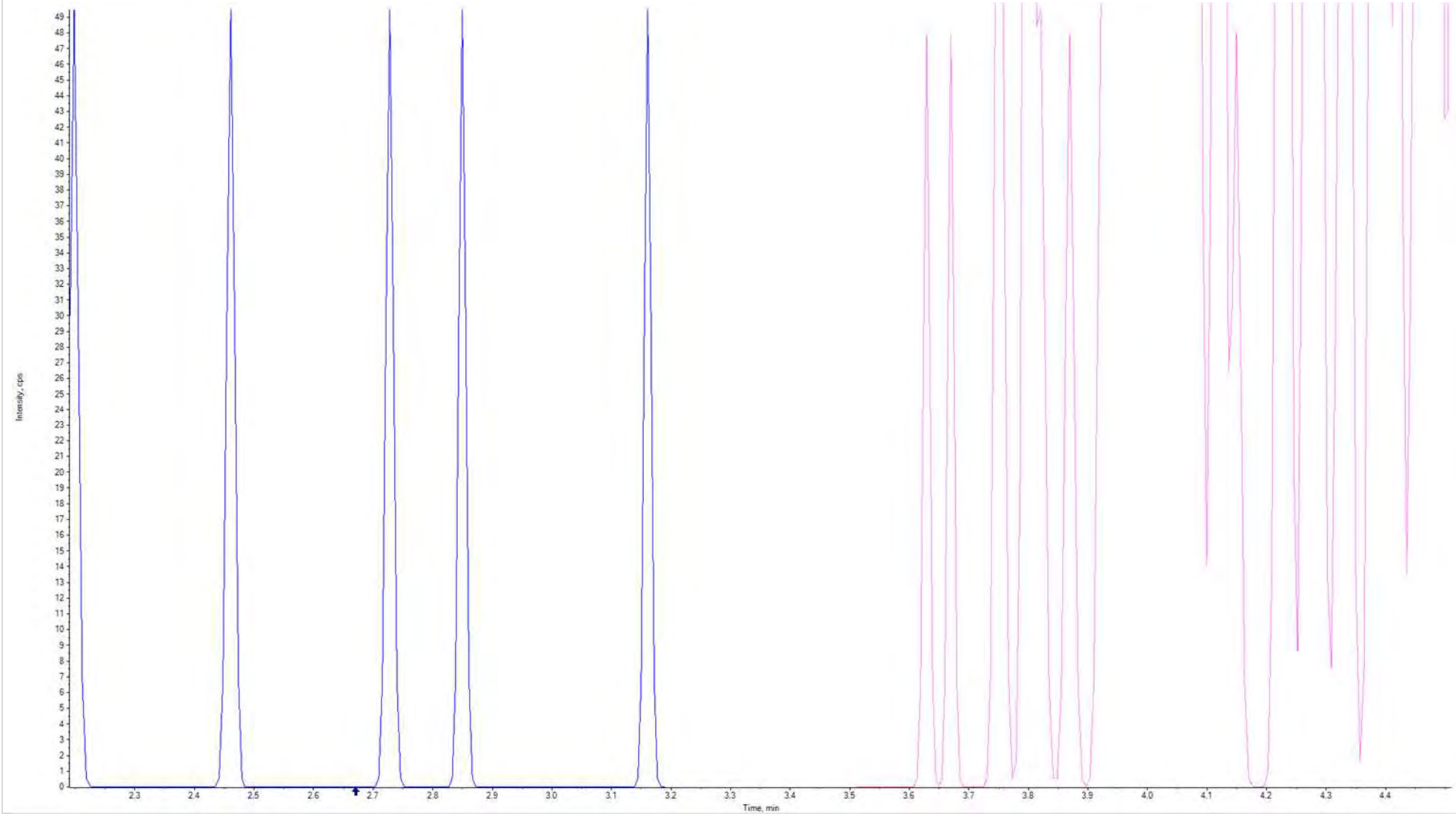
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

NFDHA_2
Sample: WG2035972-2,INSTBLANK S/N:N/A Points Across peak:N/A



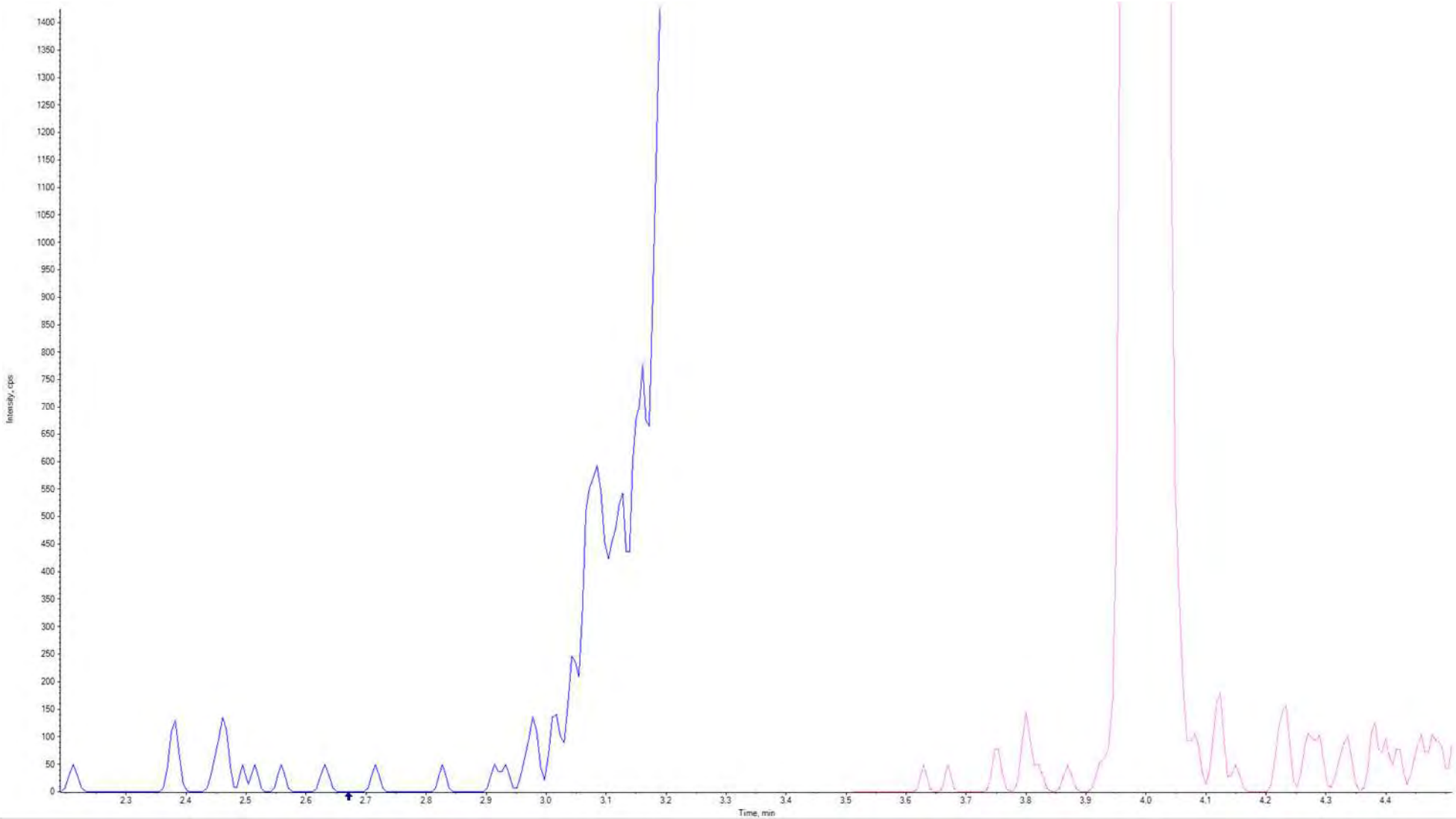
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

TDCA
Sample: WG2035972-2,INSTBLANK S/N:N/A Points Across peak:N/A



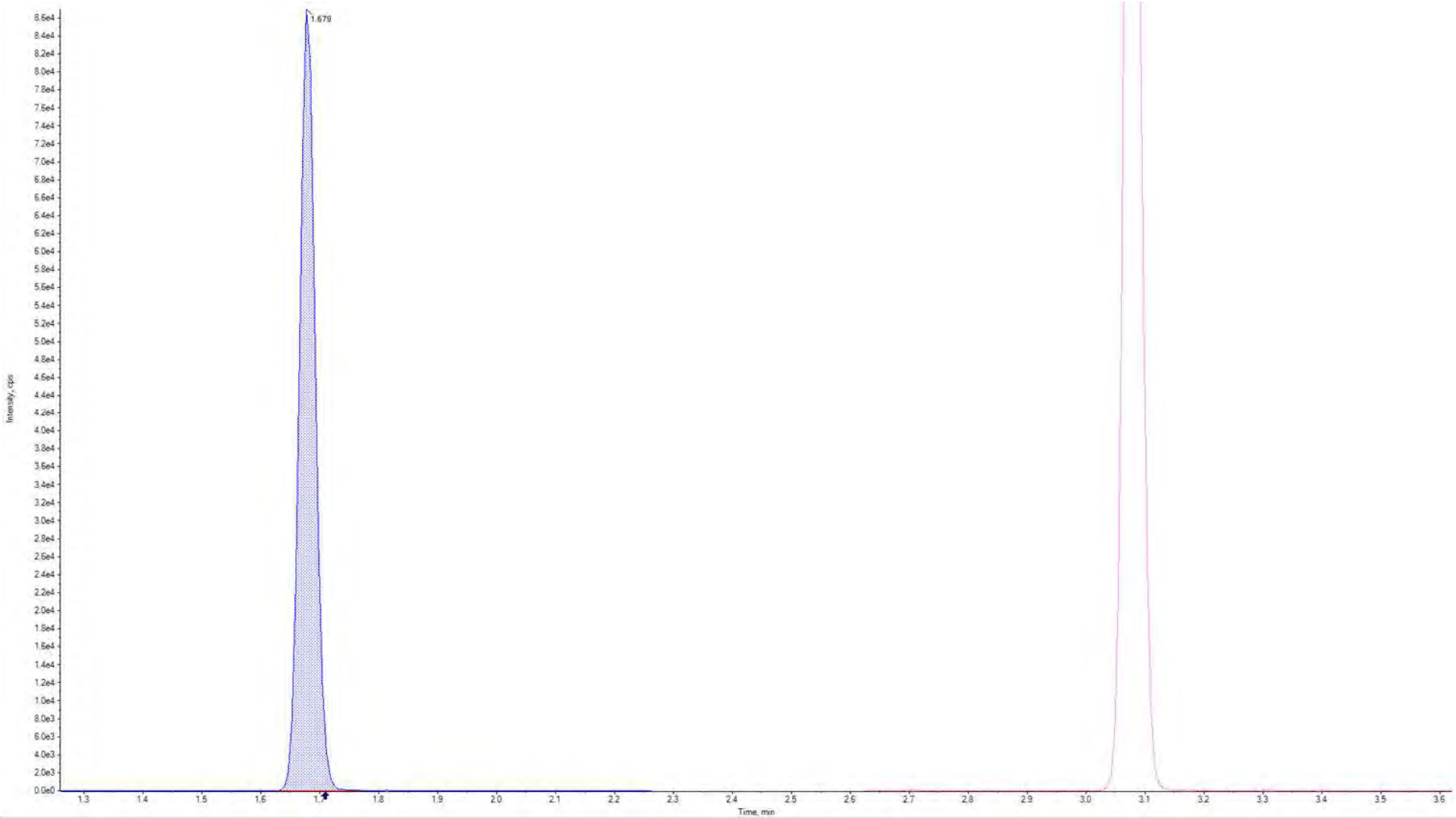
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

TDCA_2
Sample: WG2035972-2,INSTBLANK S/N:N/A Points Across peak:N/A



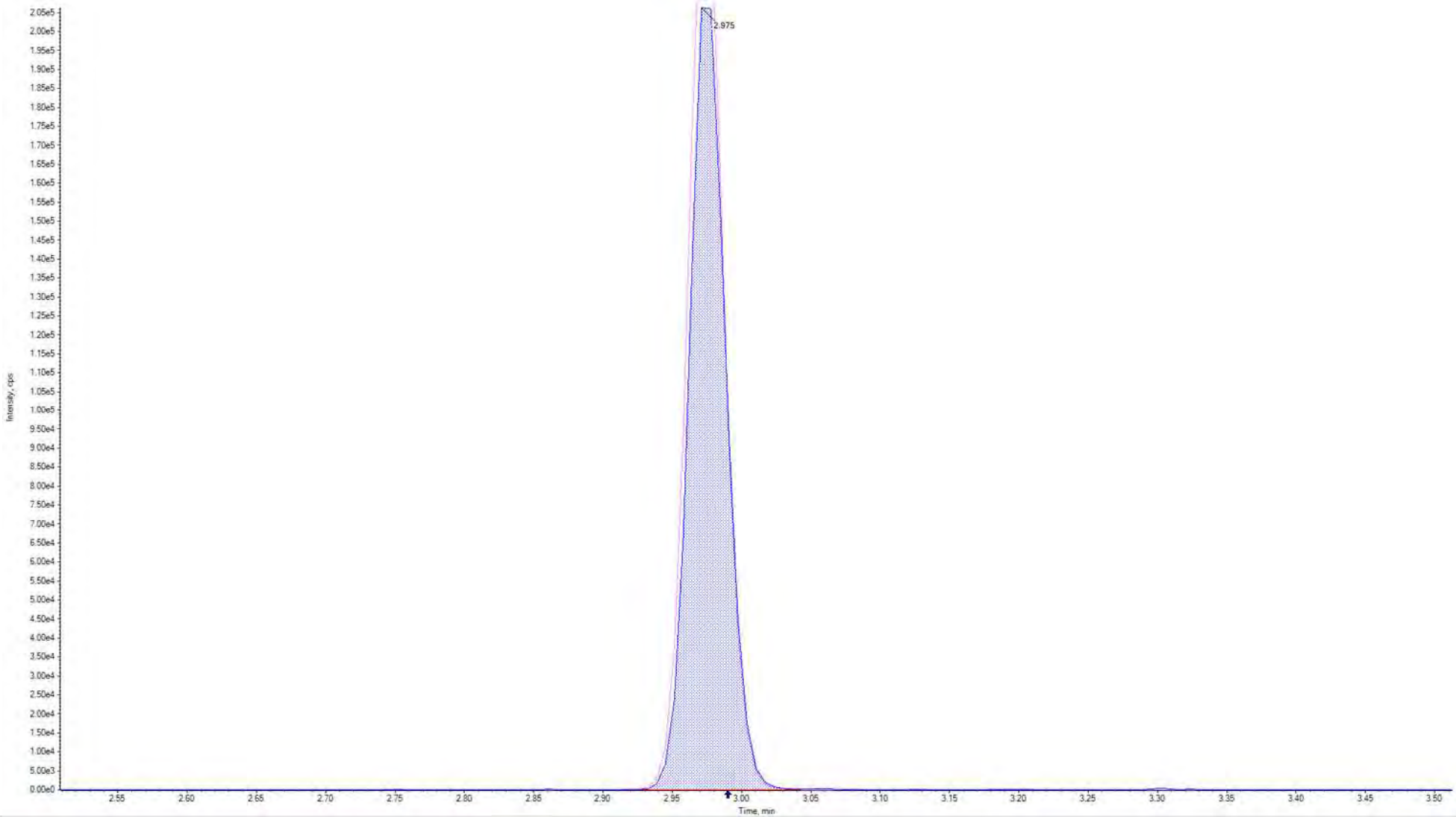
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

13C2D4-4:2FTS
Sample: WG2035972-2,INSTBLANK S/N:3270.1 Points Across peak:32



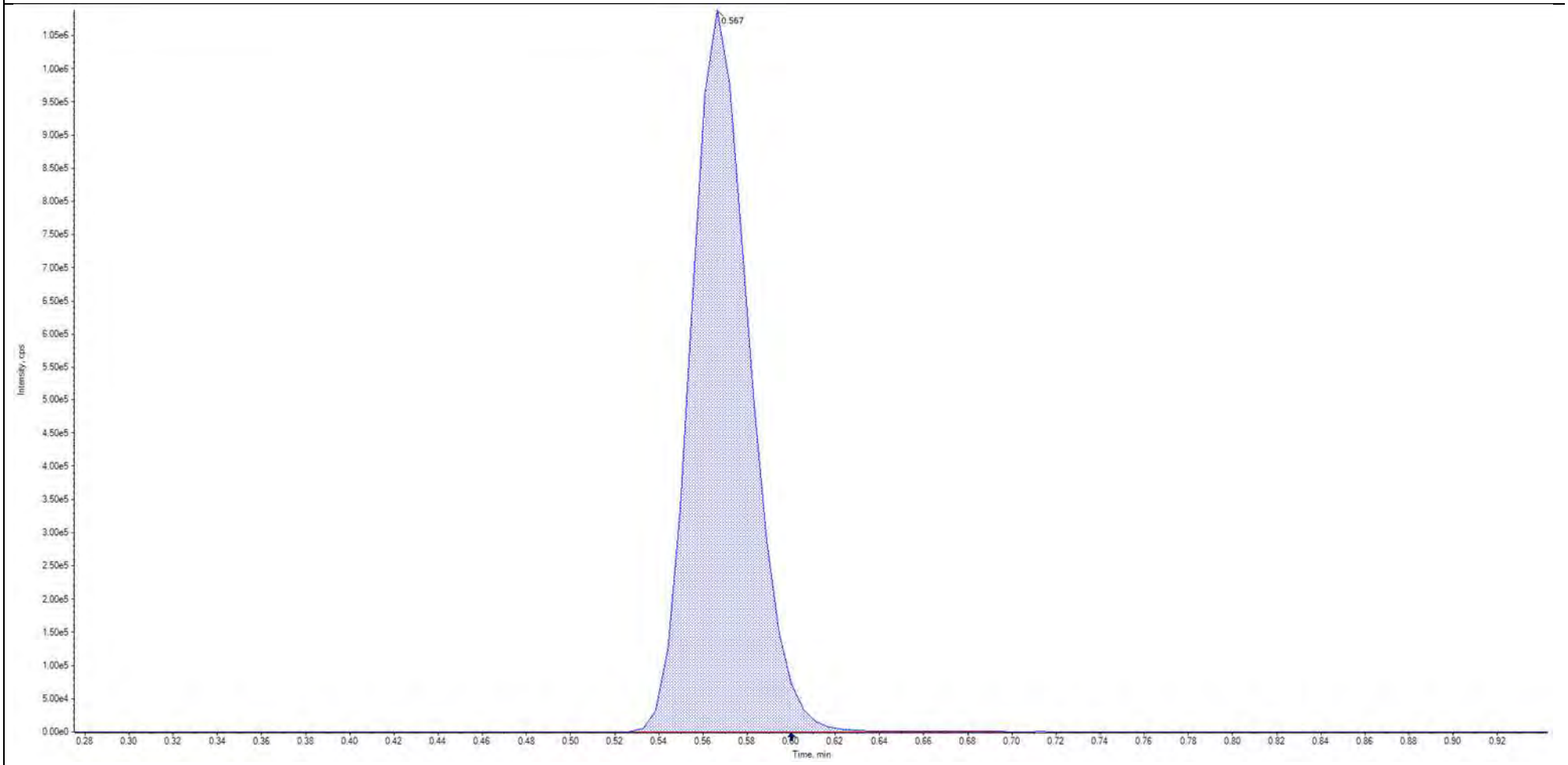
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

13C2-PFOA
Sample: WG2035972-2,INSTBLANK S/N:4654.0 Points Across peak:23



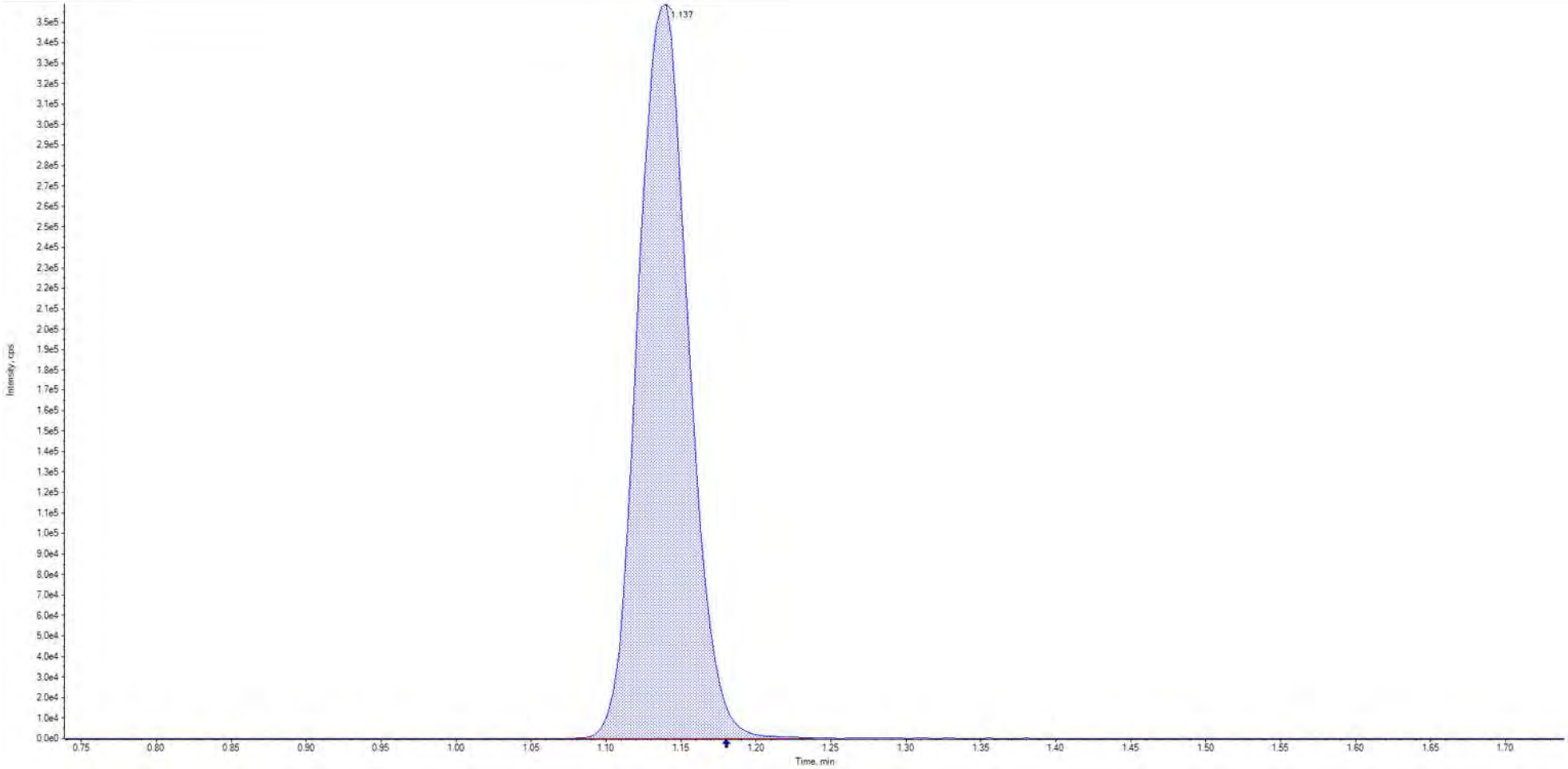
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

13C4-PFBA
Sample: WG2035972-2,INSTBLANK

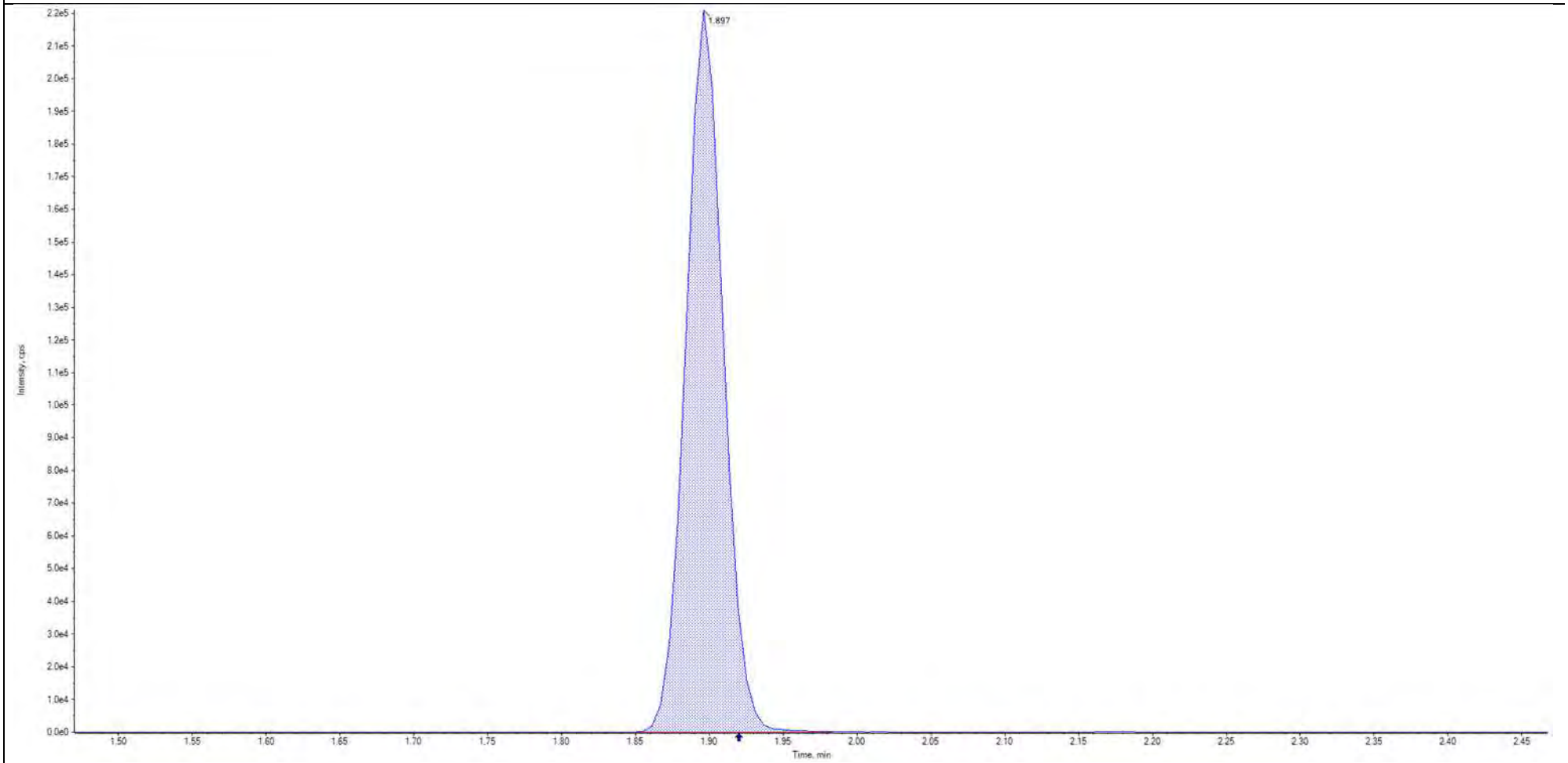


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

13C5-PFPeA
Sample: WG2035972-2,INSTBLANK

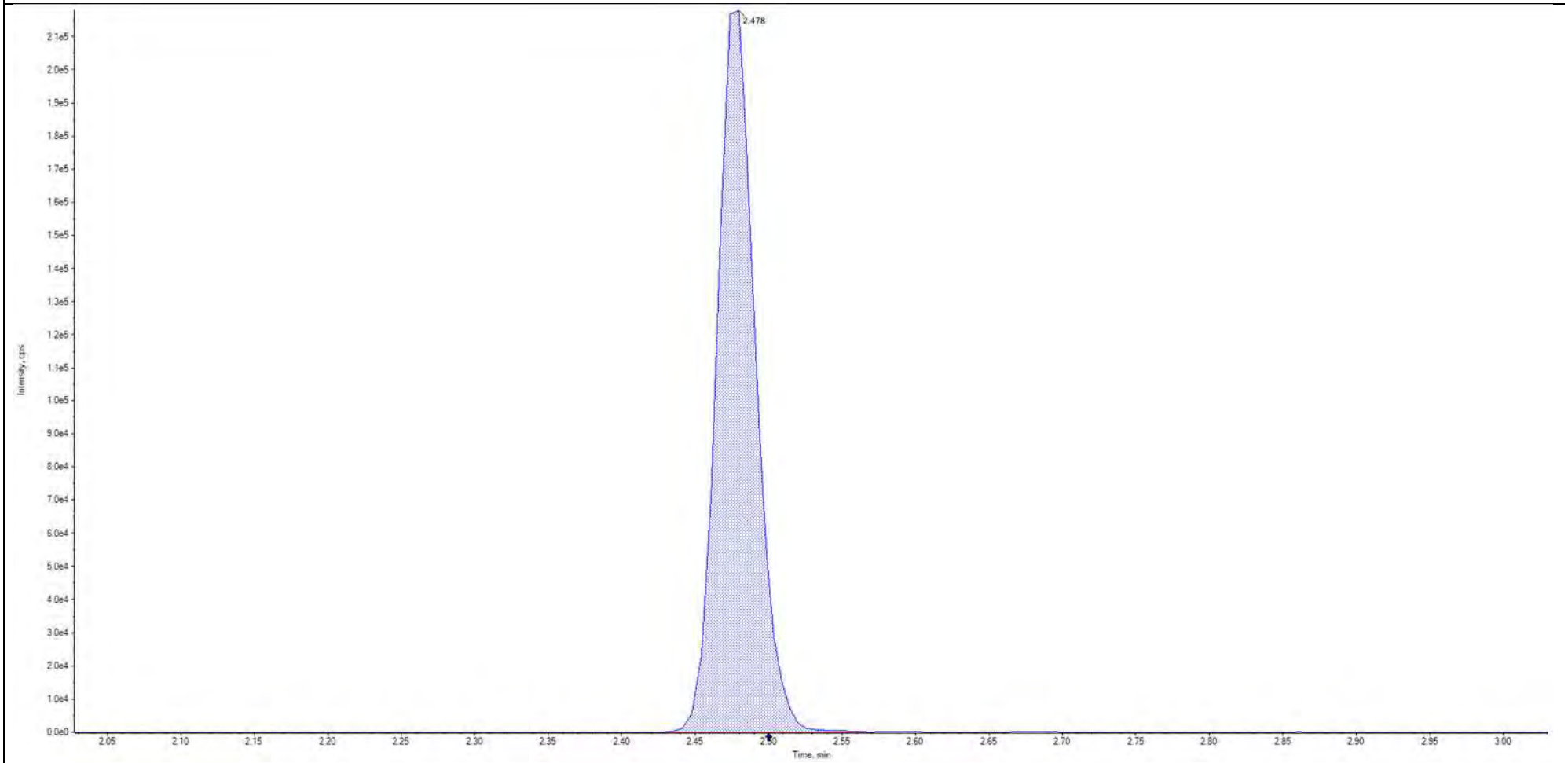


13C5-PFHxA
Sample: WG2035972-2,INSTBLANK

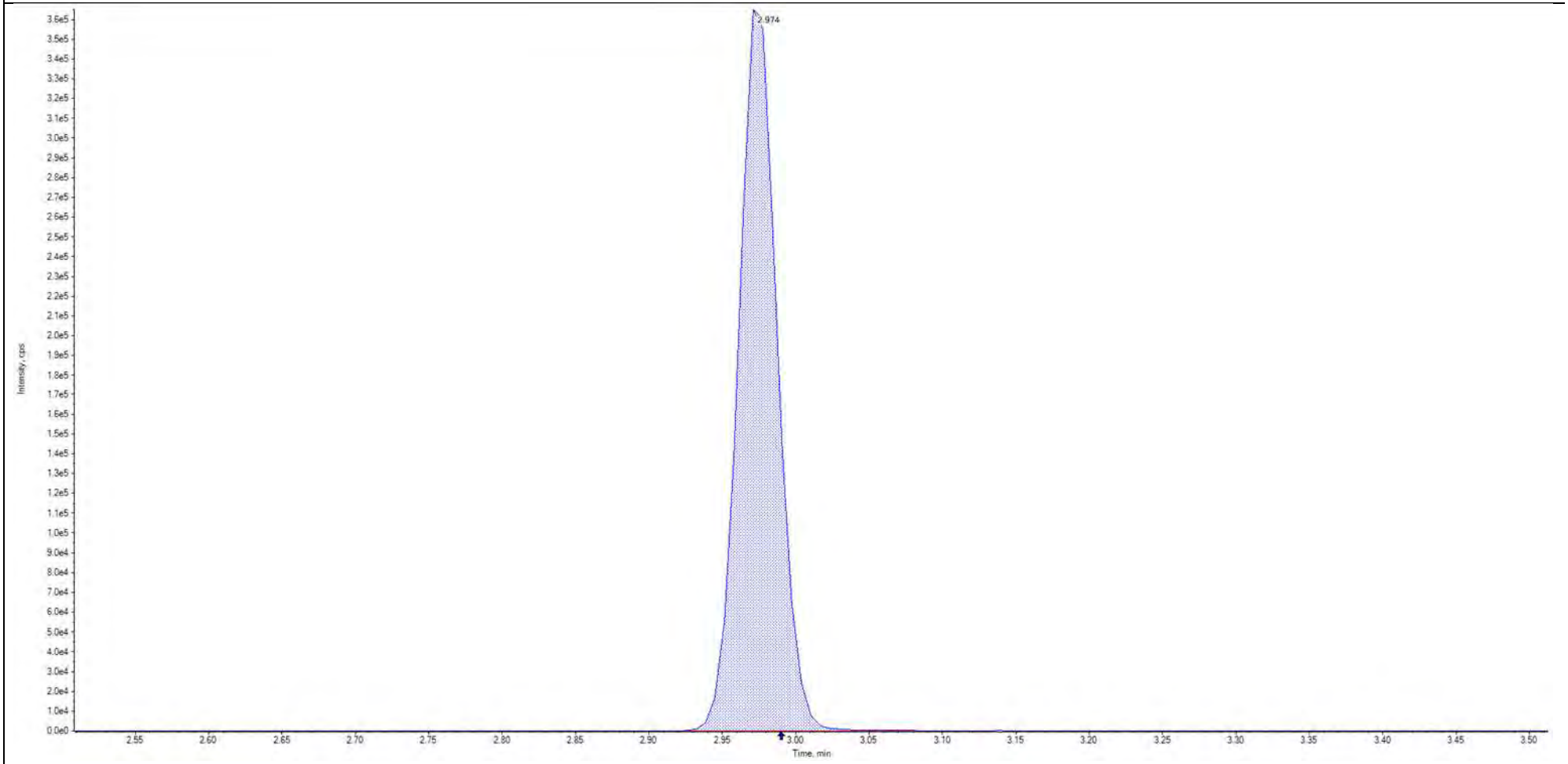


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

13C4-PFHpA
Sample: WG2035972-2,INSTBLANK

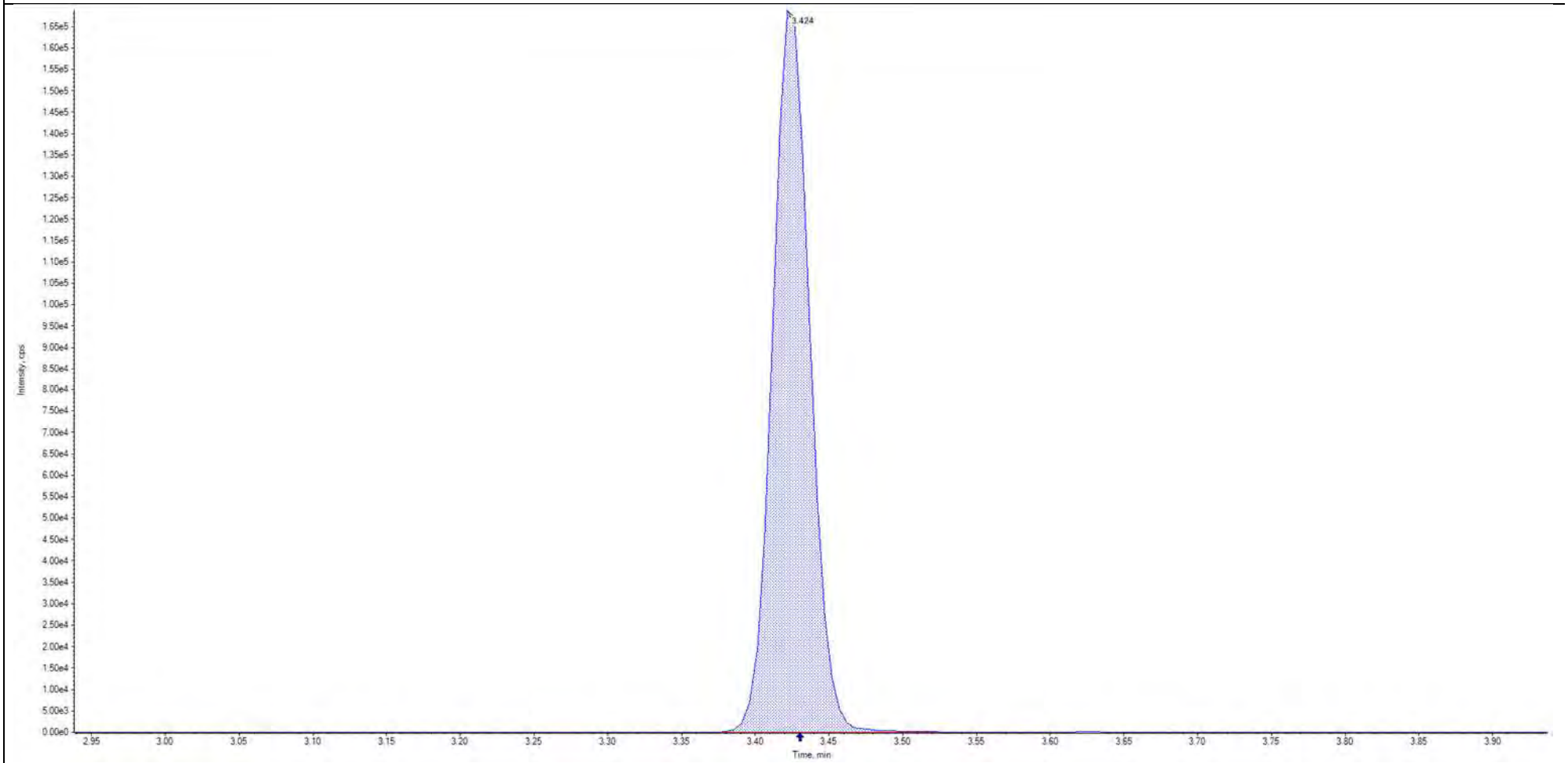


13C8-PFOA
Sample: WG2035972-2,INSTBLANK

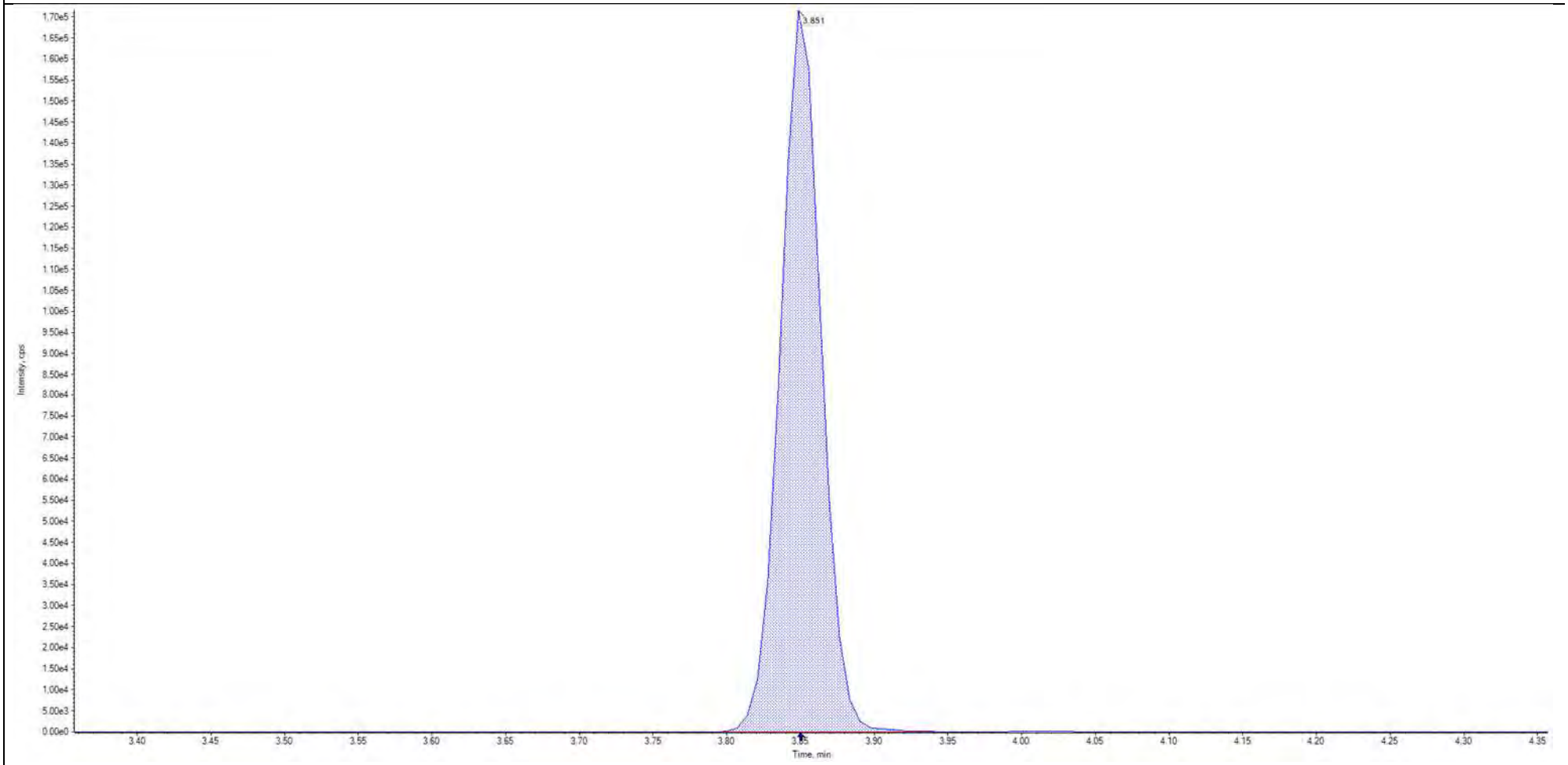


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

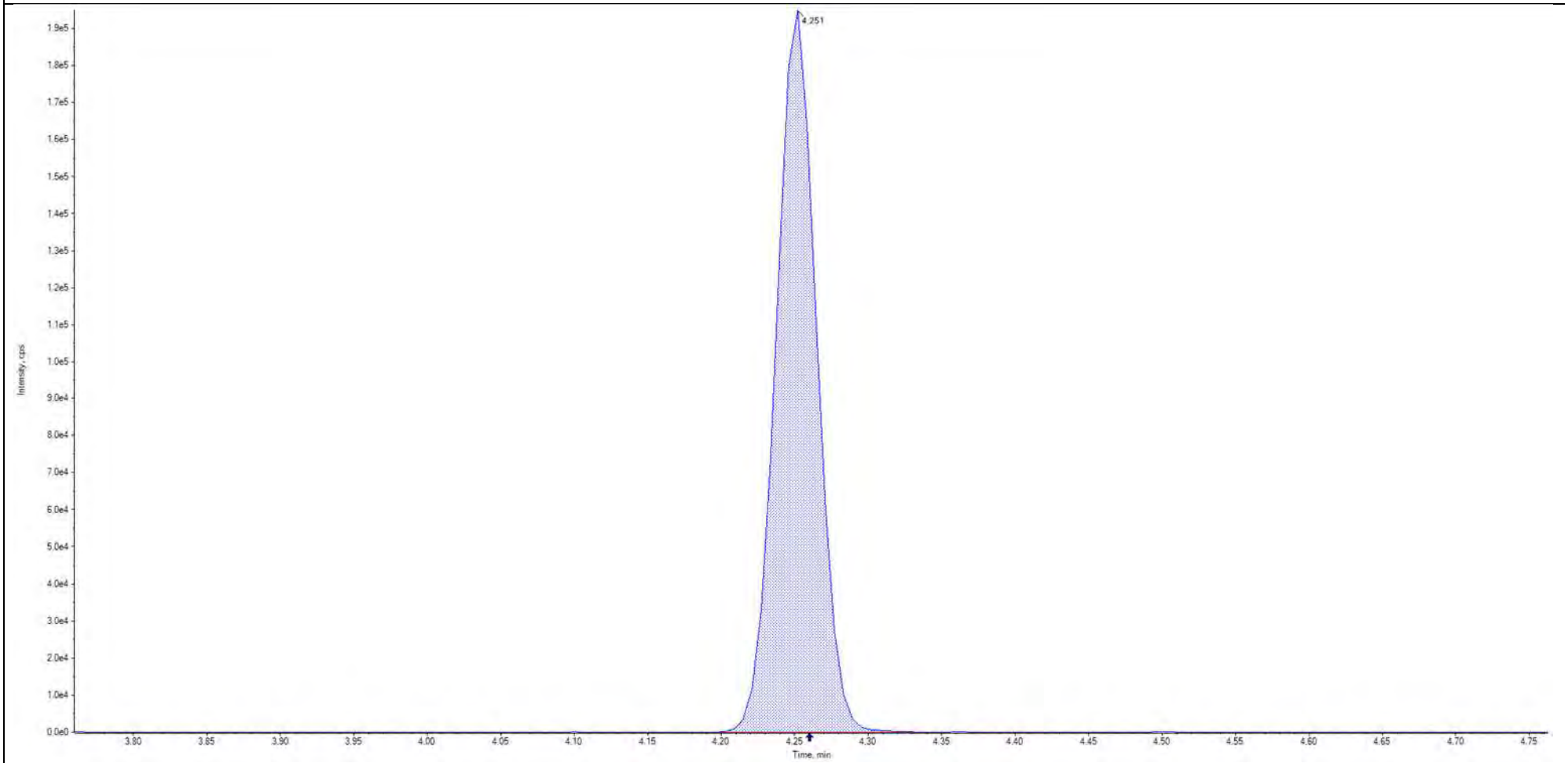
13C9-PFNA
Sample: WG2035972-2,INSTBLANK



13C6-PFDA
Sample: WG2035972-2,INSTBLANK

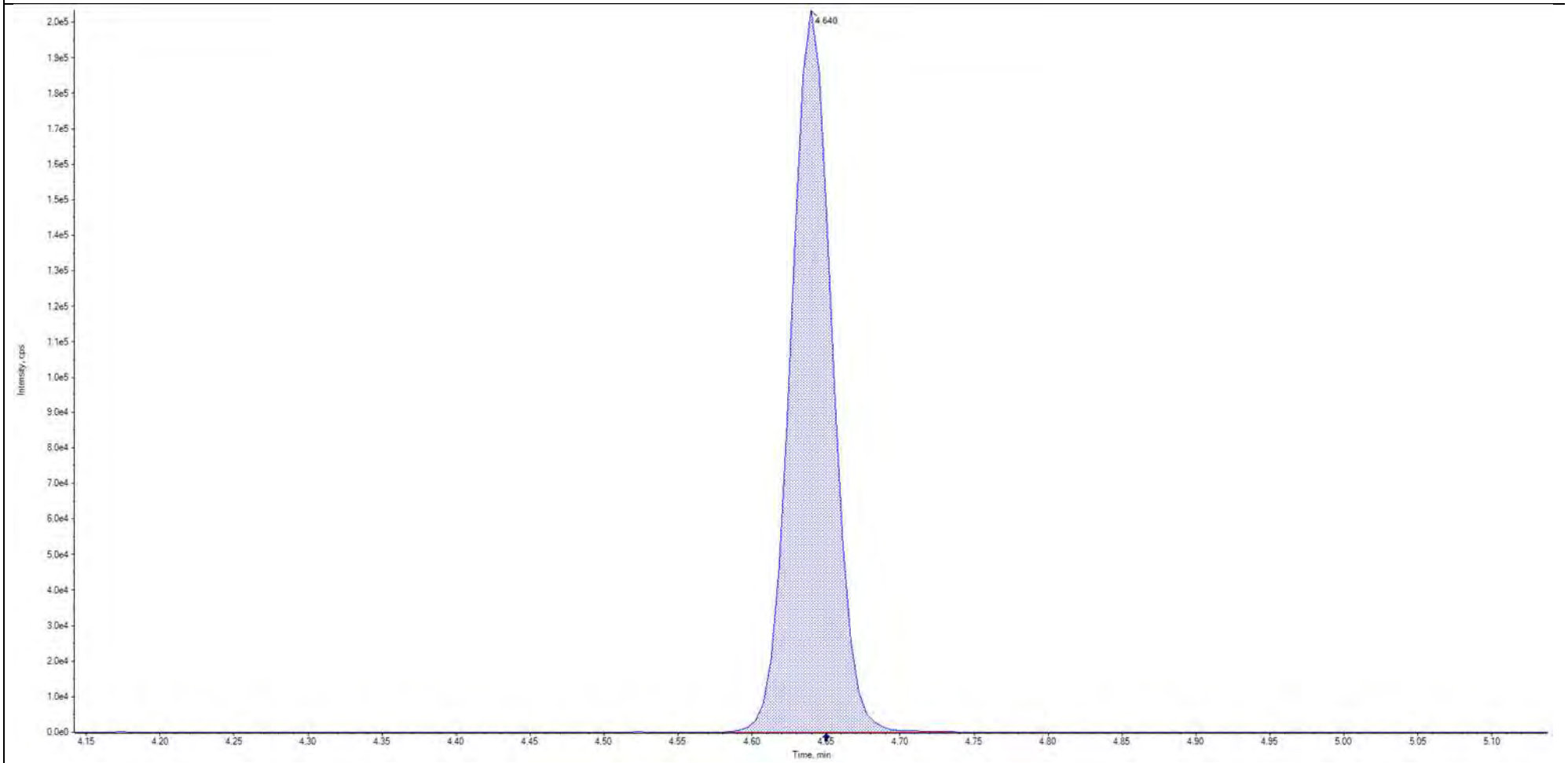


13C7-PFUnA
Sample: WG2035972-2,INSTBLANK



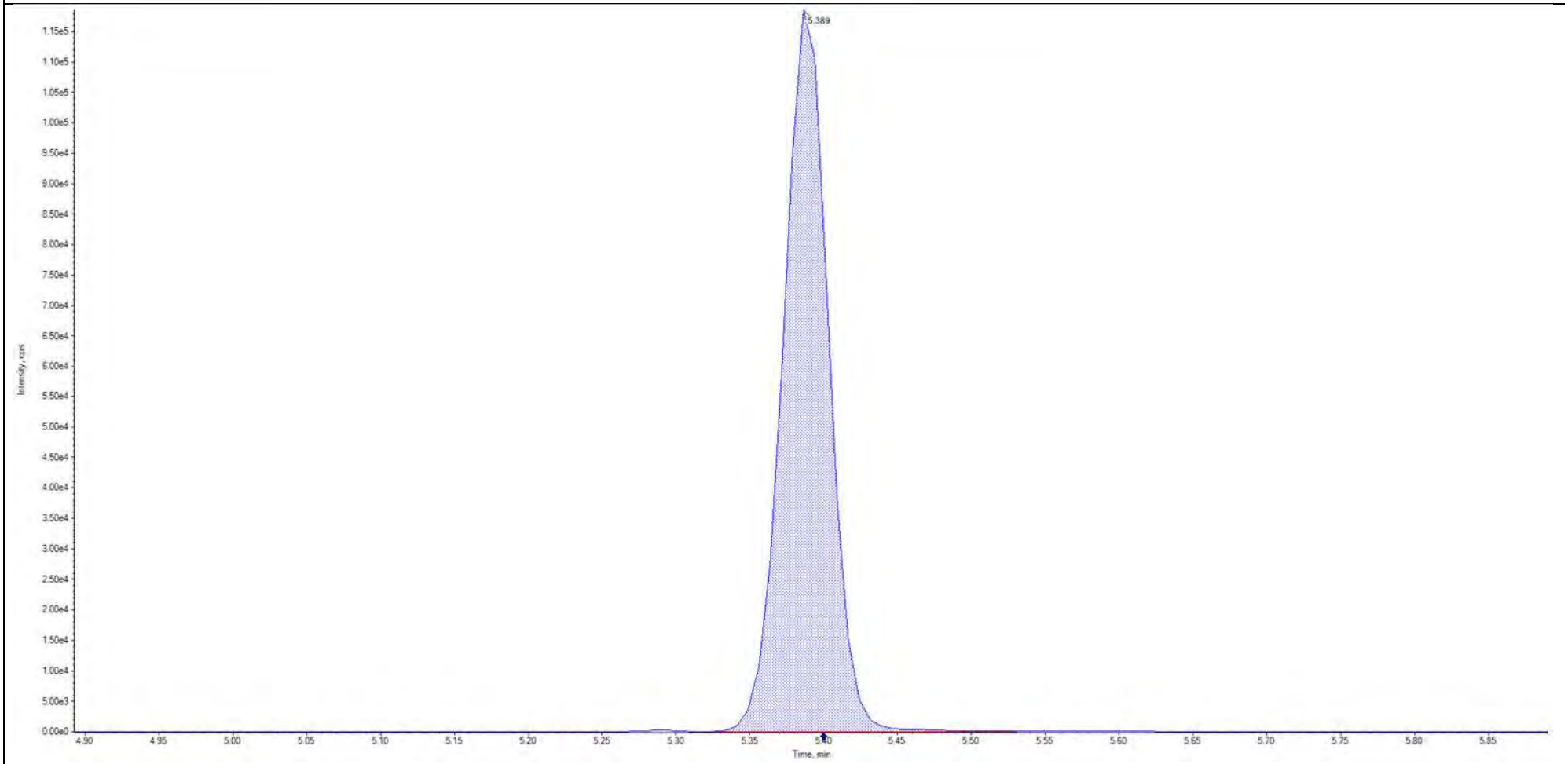
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

13C2-PFDoA
Sample: WG2035972-2,INSTBLANK



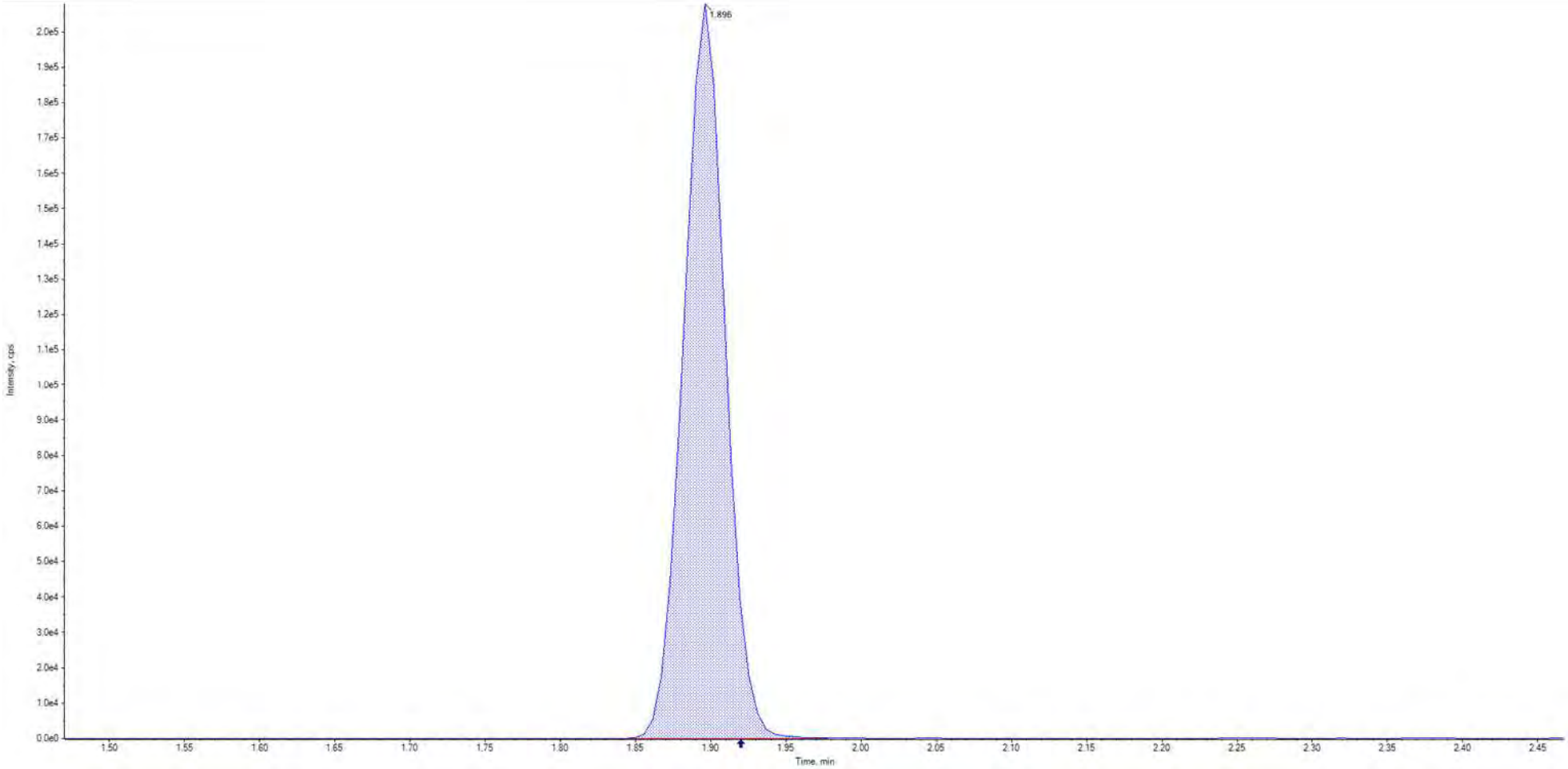
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

13C2-PFTeDA
Sample: WG2035972-2,INSTBLANK

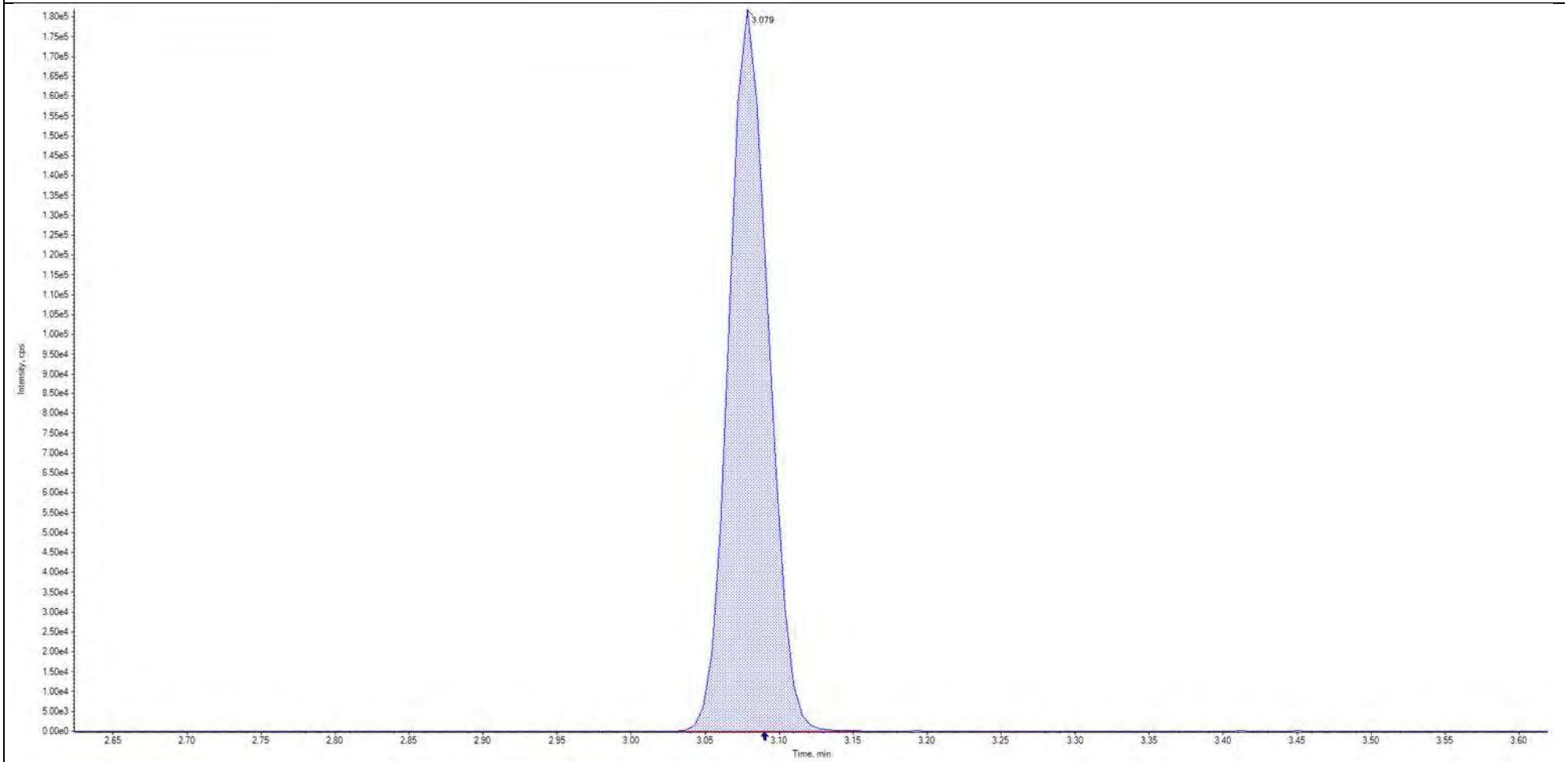


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

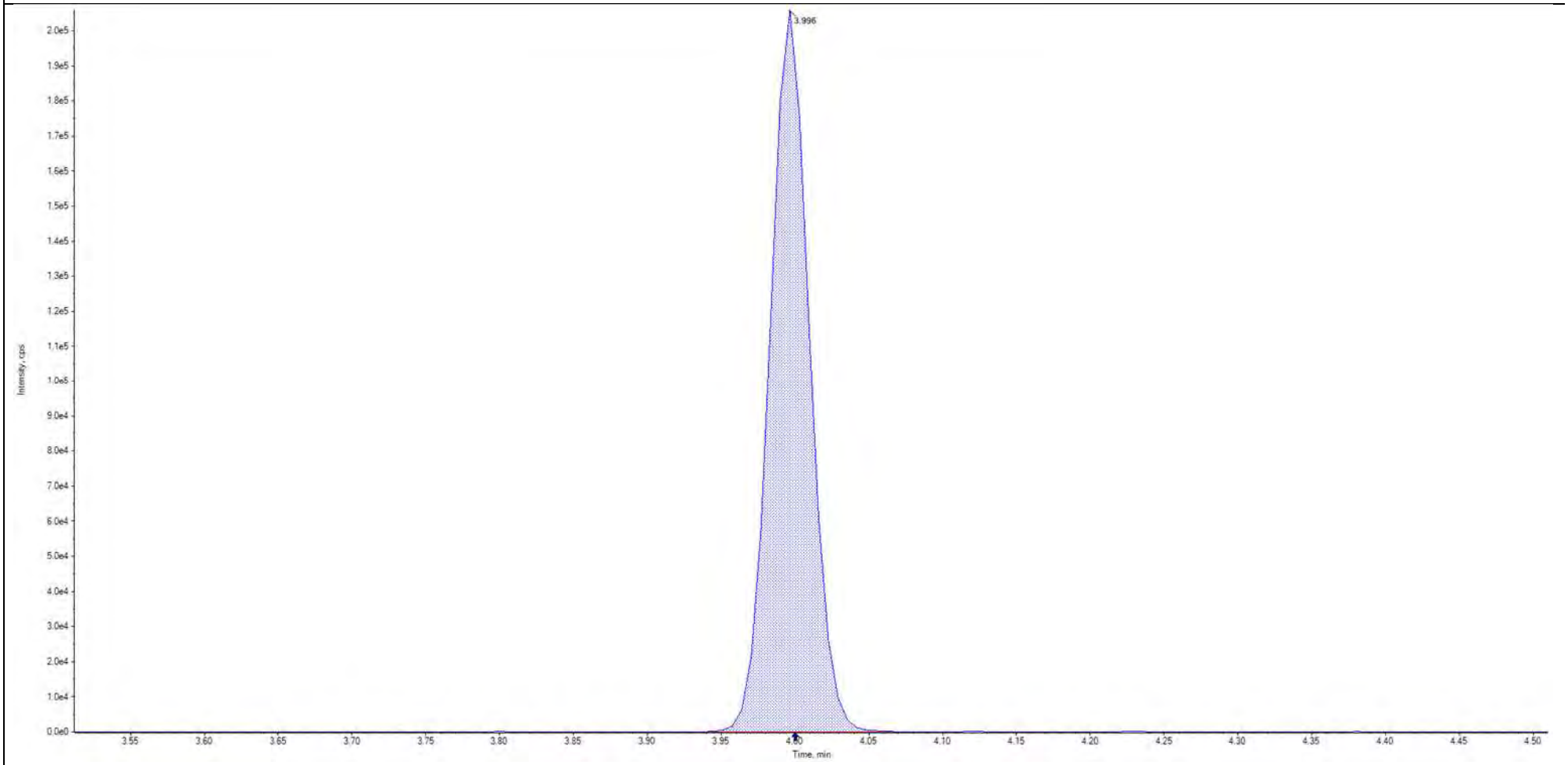
13C3-PFBS
Sample: WG2035972-2,INSTBLANK



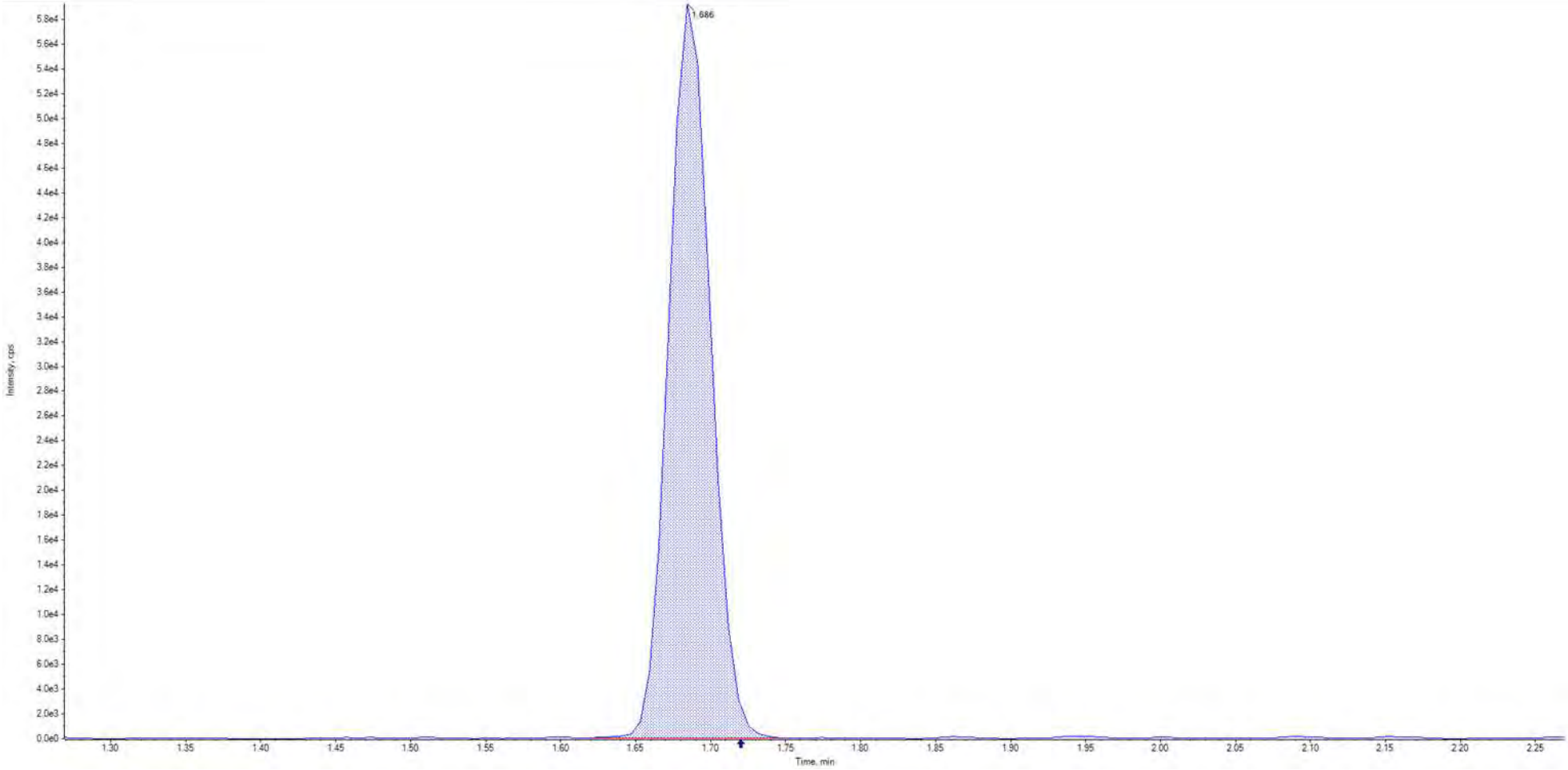
13C3-PFHxS
Sample: WG2035972-2,INSTBLANK



13C8-PFOS
Sample: WG2035972-2,INSTBLANK

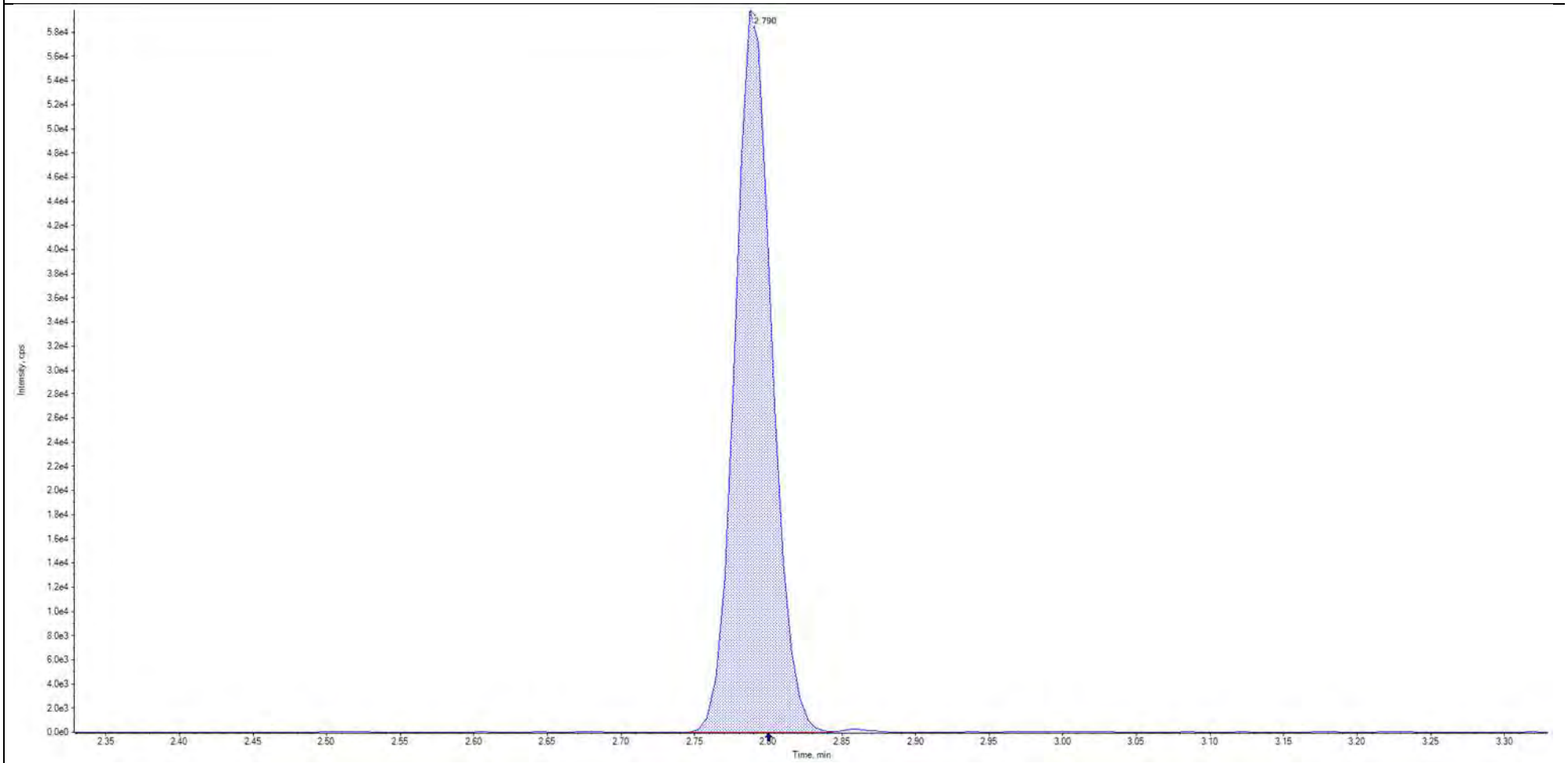


13C2-4:2FTS
Sample: WG2035972-2,INSTBLANK

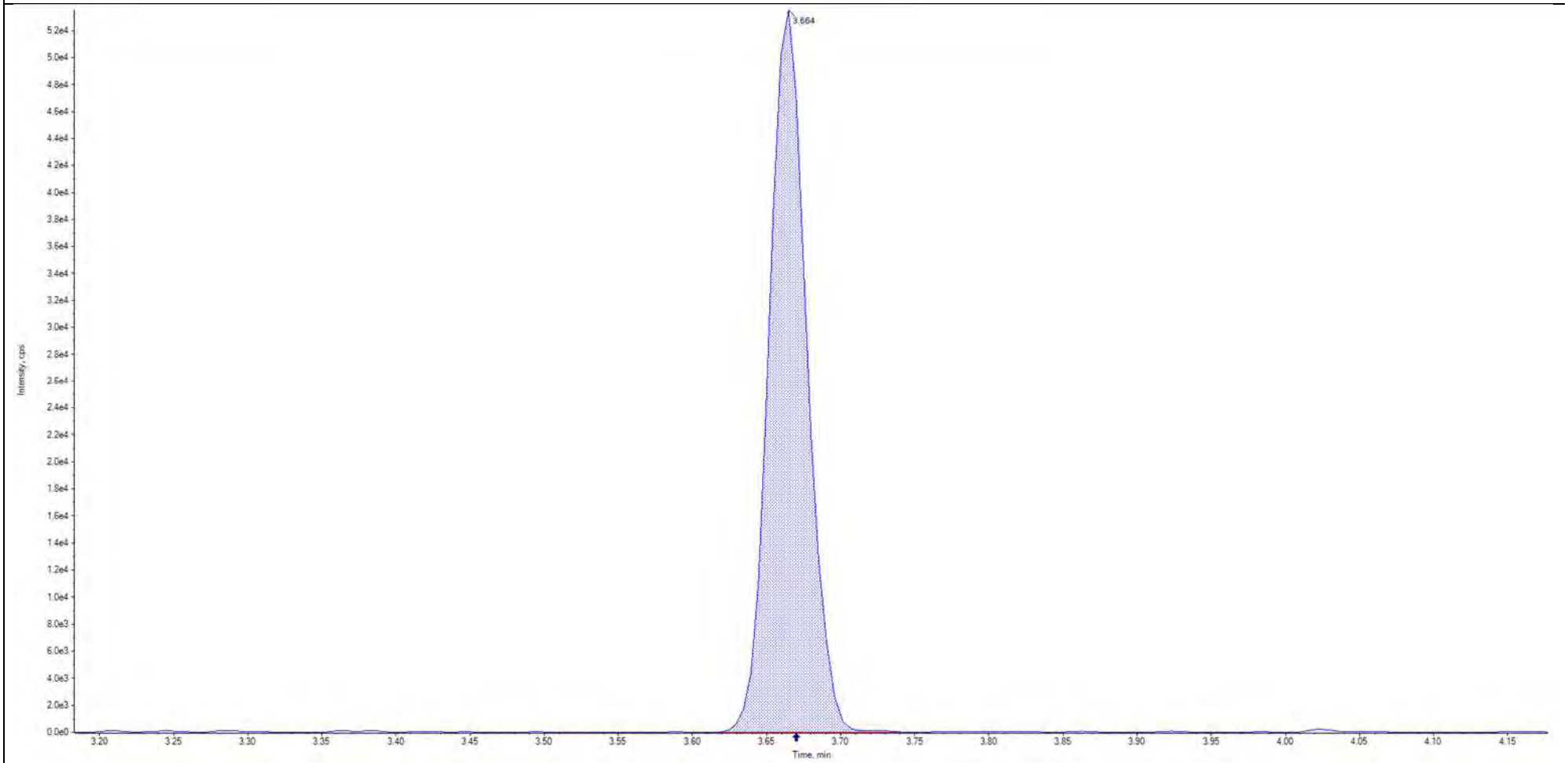


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

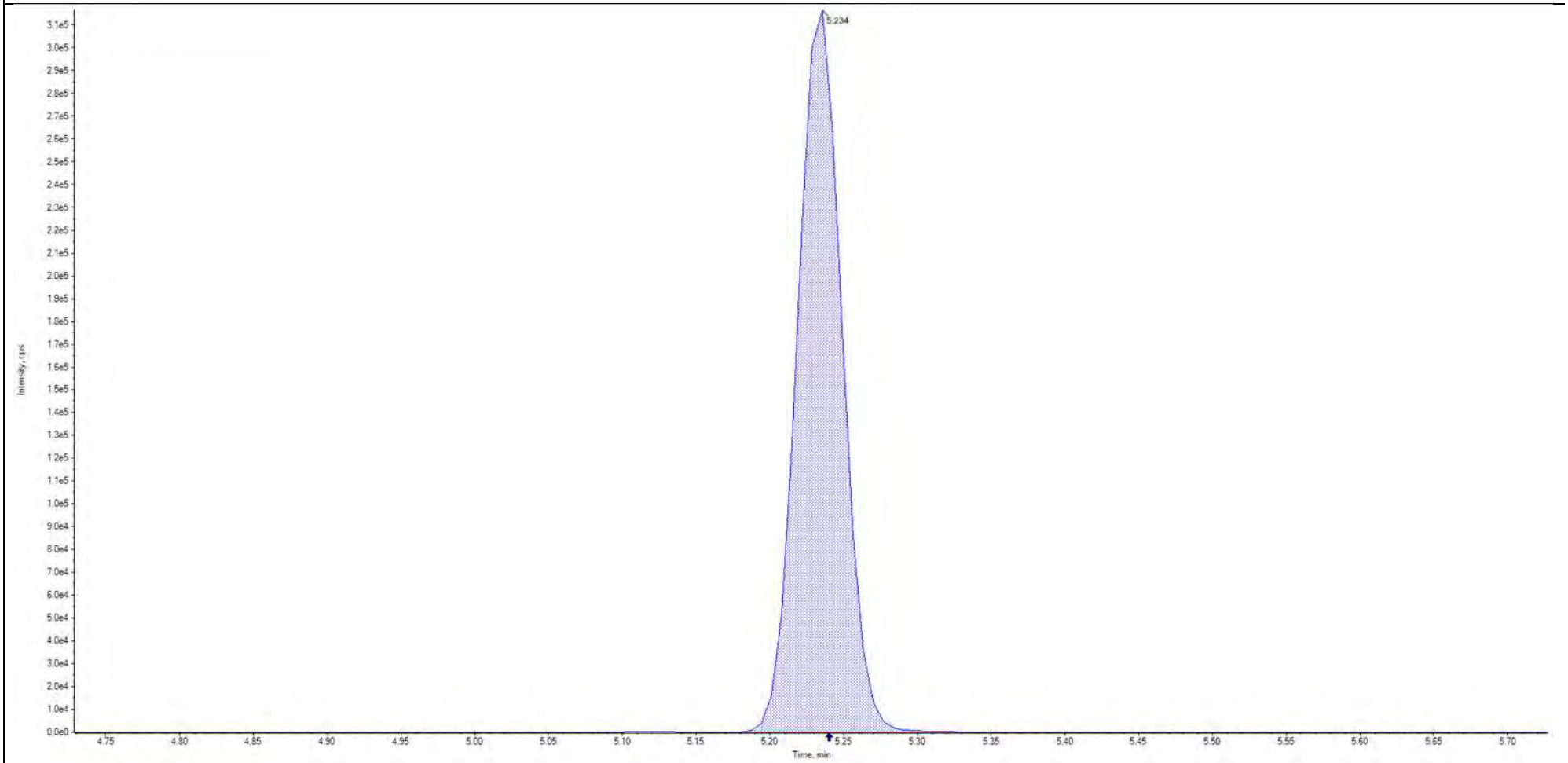
13C2-6:2FTS
Sample: WG2035972-2,INSTBLANK



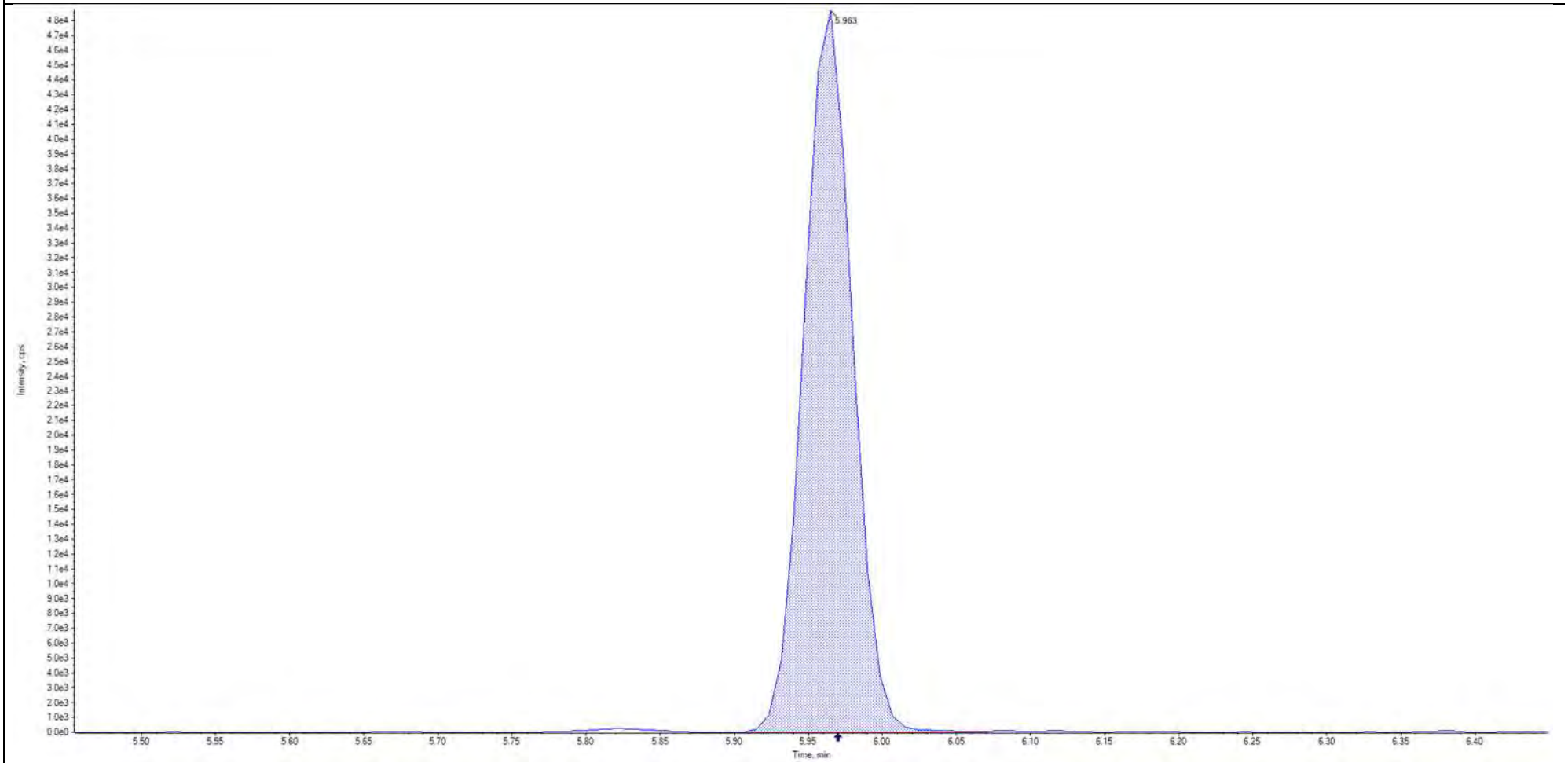
13C2-8:2FTS
Sample: WG2035972-2,INSTBLANK



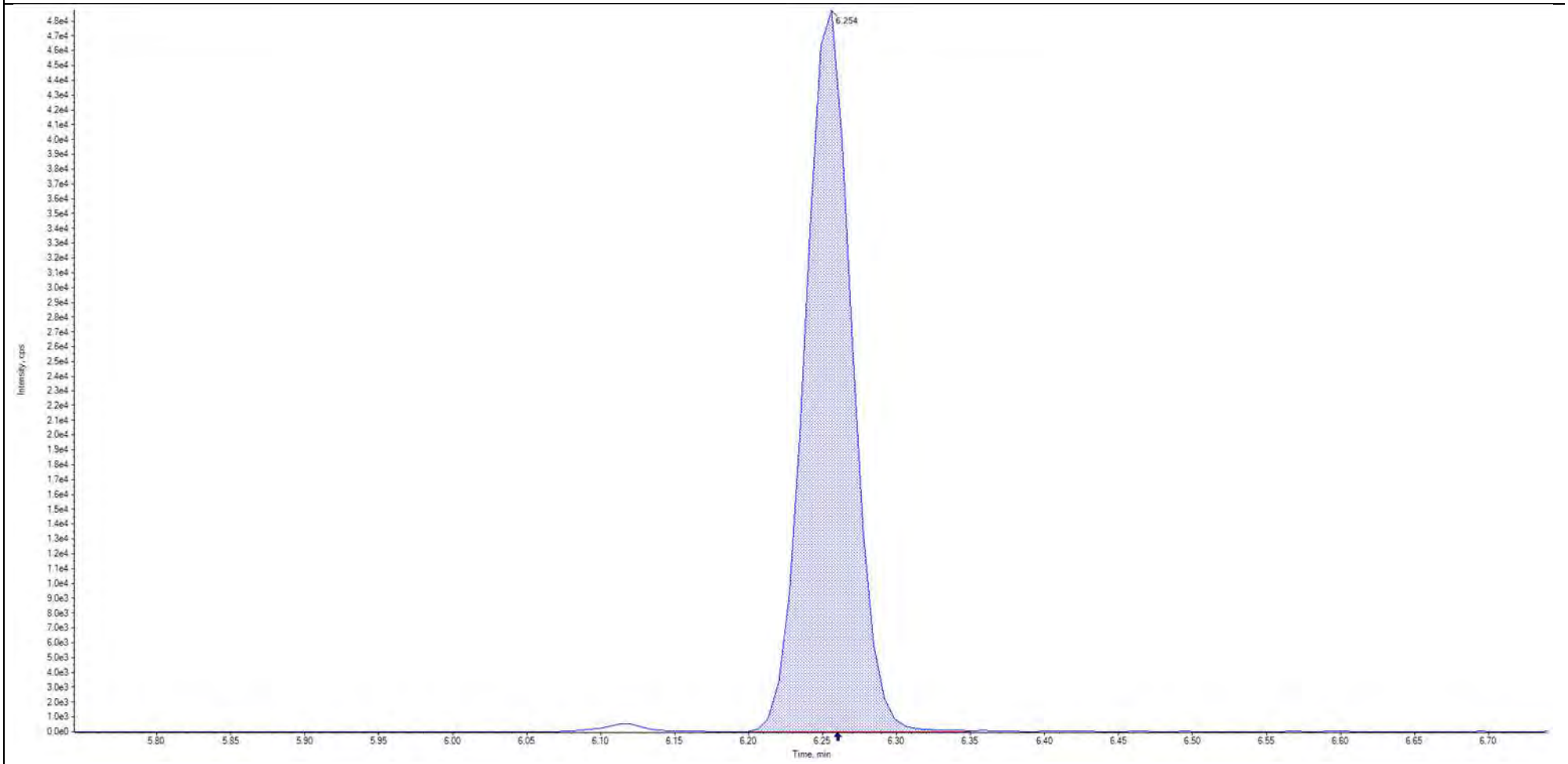
13C8-PFOSA
Sample: WG2035972-2,INSTBLANK



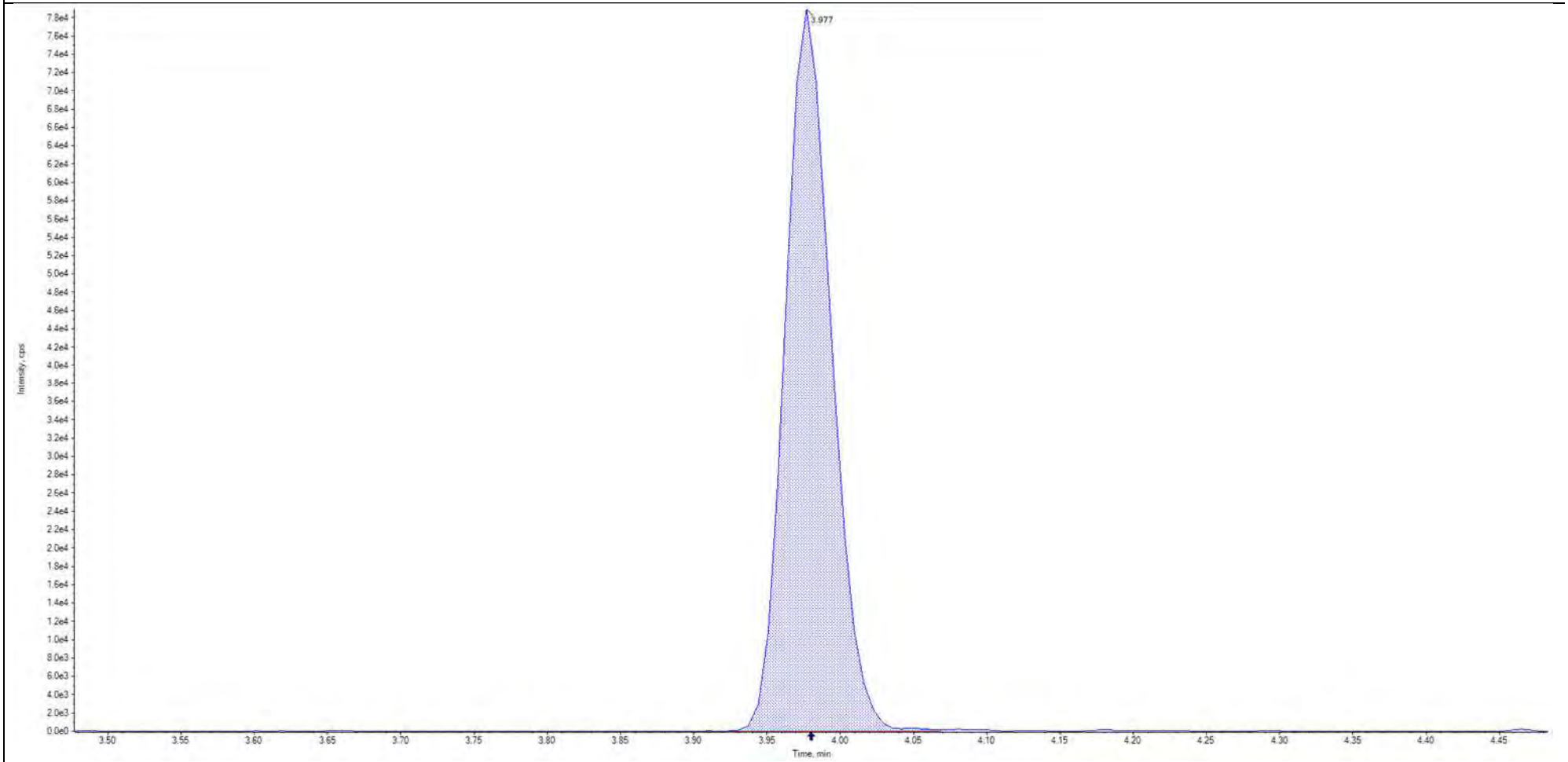
d3-NMeFOSA
Sample: WG2035972-2,INSTBLANK



d5-NEtFOSA
Sample: WG2035972-2,INSTBLANK

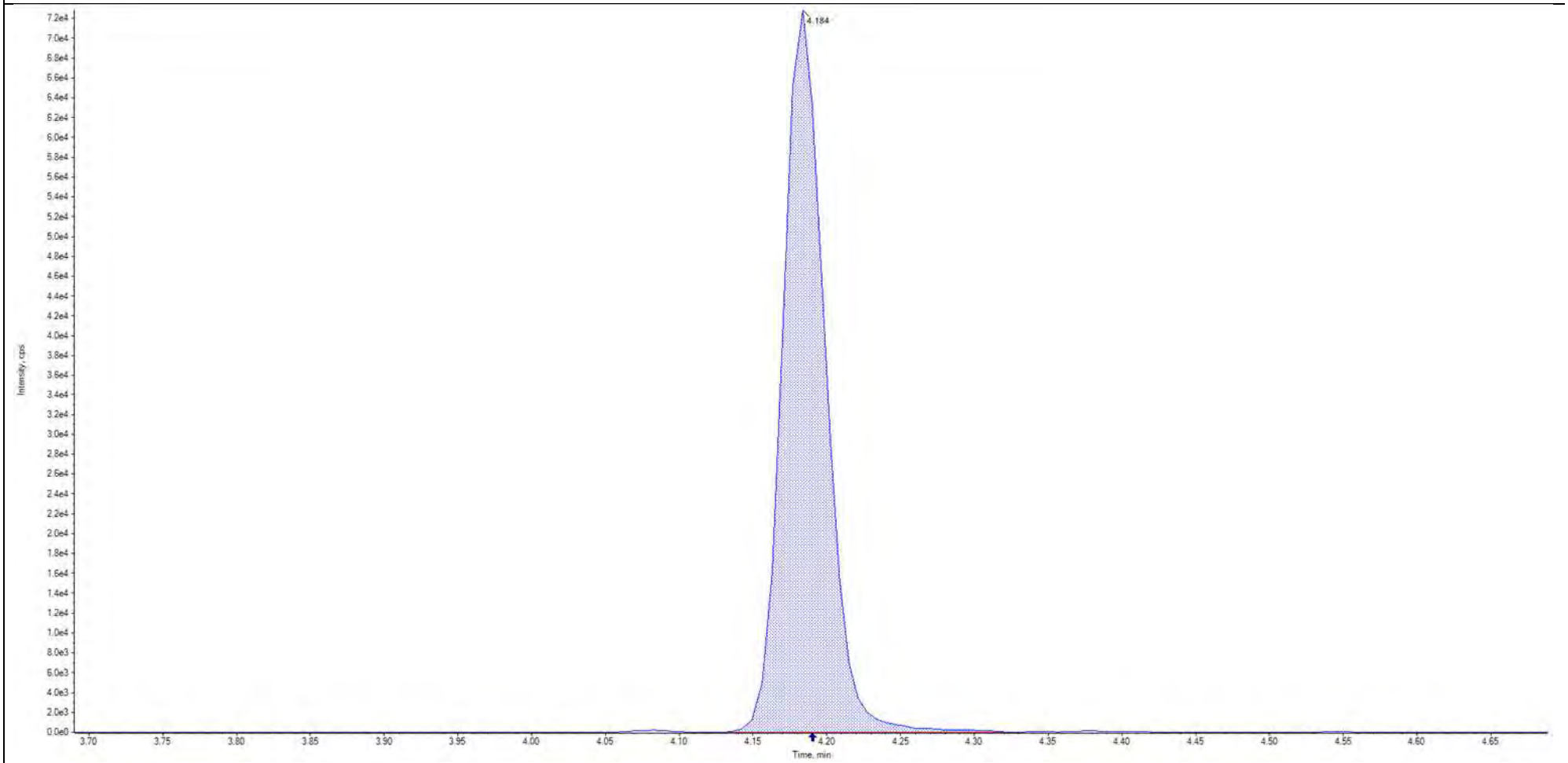


d3-NMeFOSAA
Sample: WG2035972-2,INSTBLANK

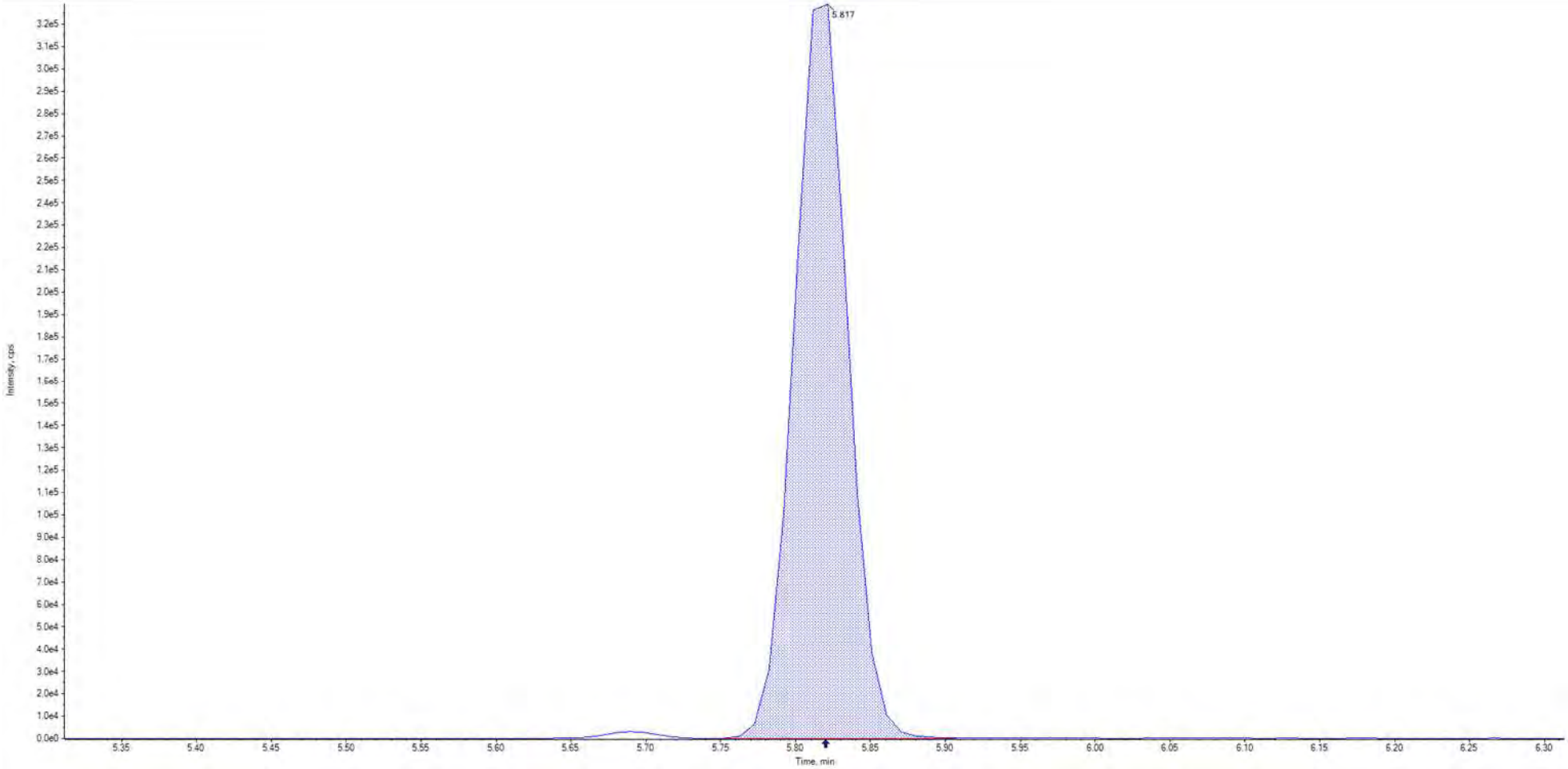


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

d5-NEtFOSAA
Sample: WG2035972-2,INSTBLANK

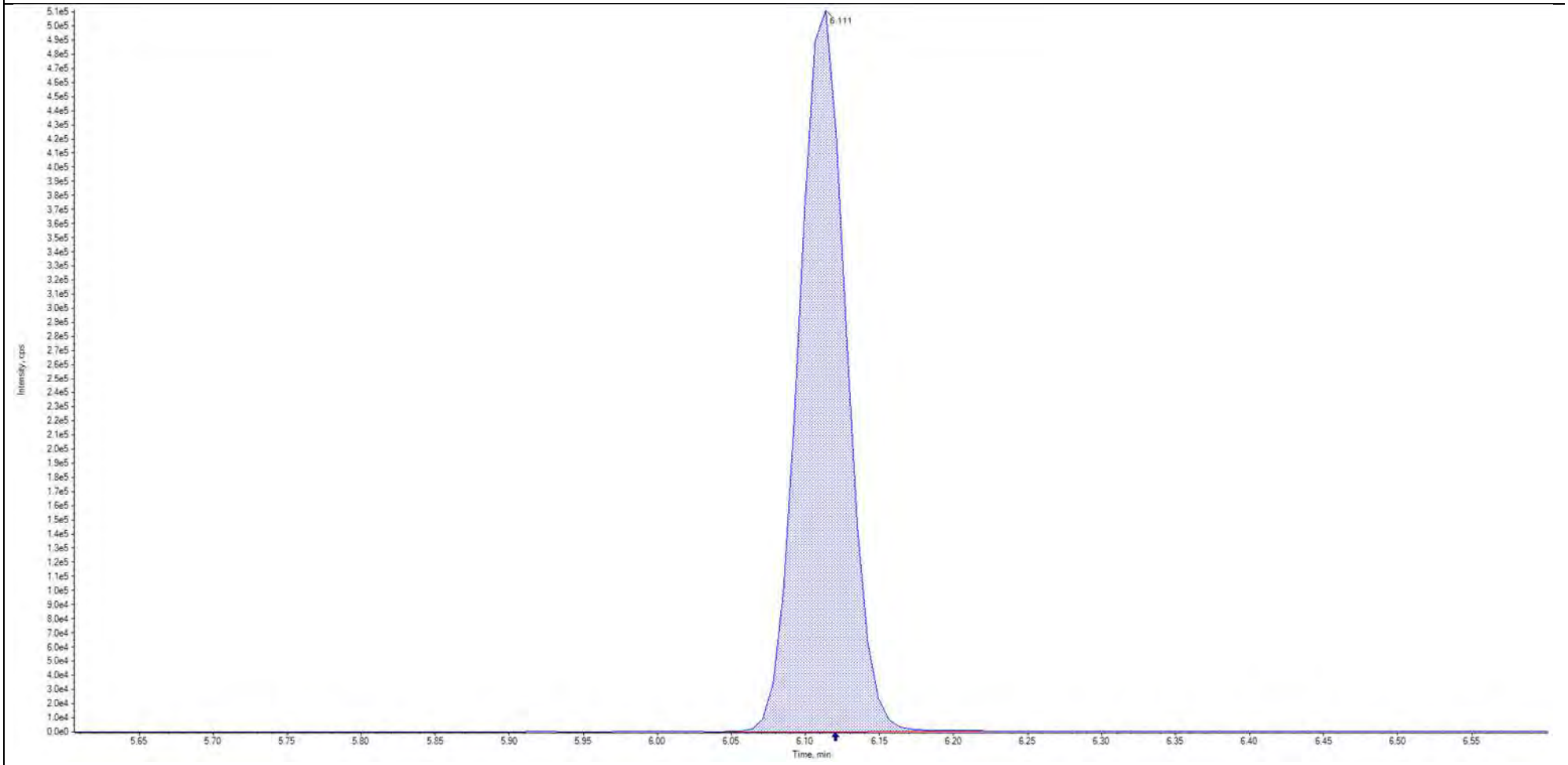


d7-NMeFOSE
Sample: WG2035972-2,INSTBLANK

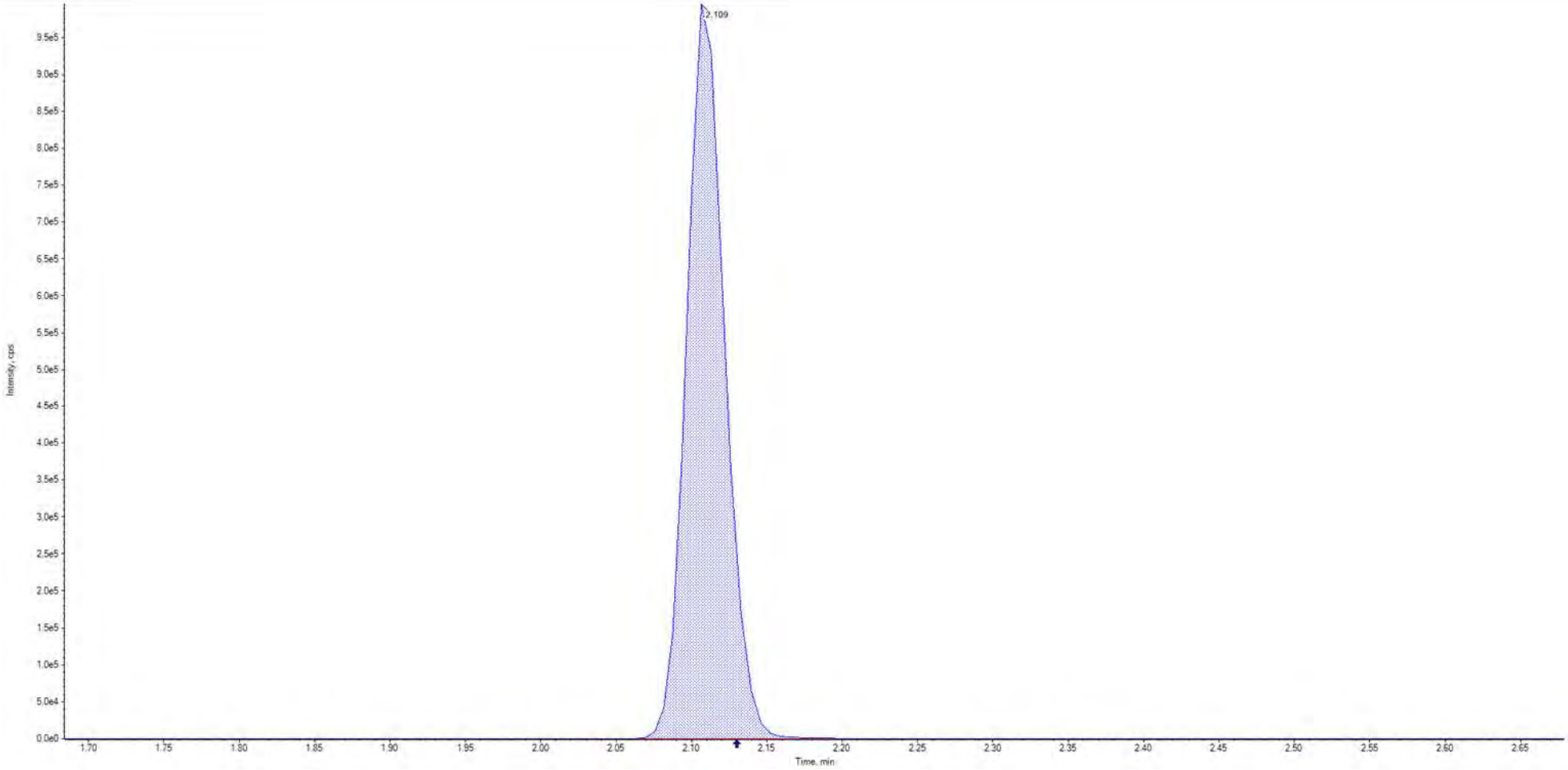


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

d9-NEtFOSE
Sample: WG2035972-2,INSTBLANK

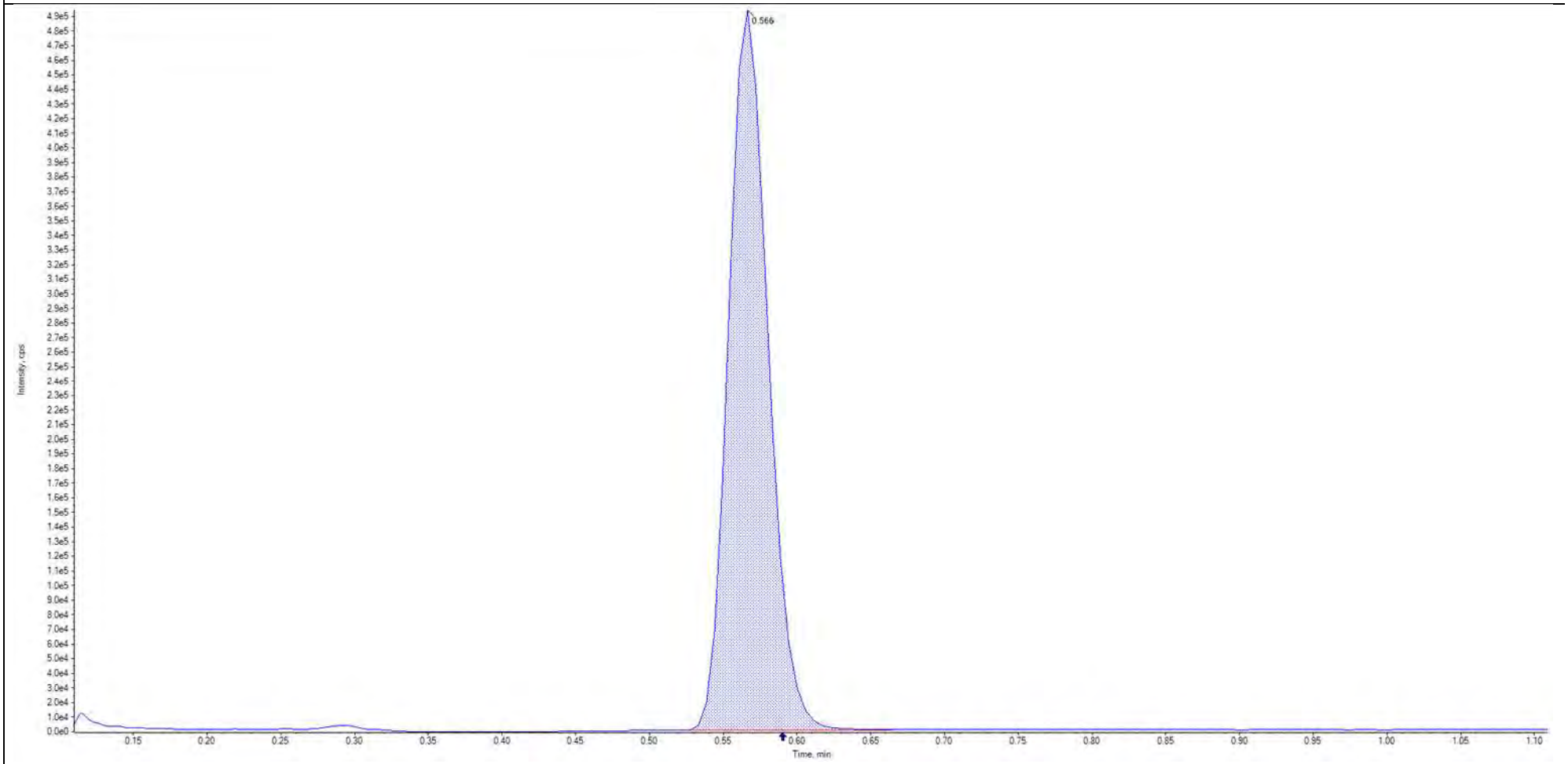


13C3-HFPO-DA
Sample: WG2035972-2,INSTBLANK

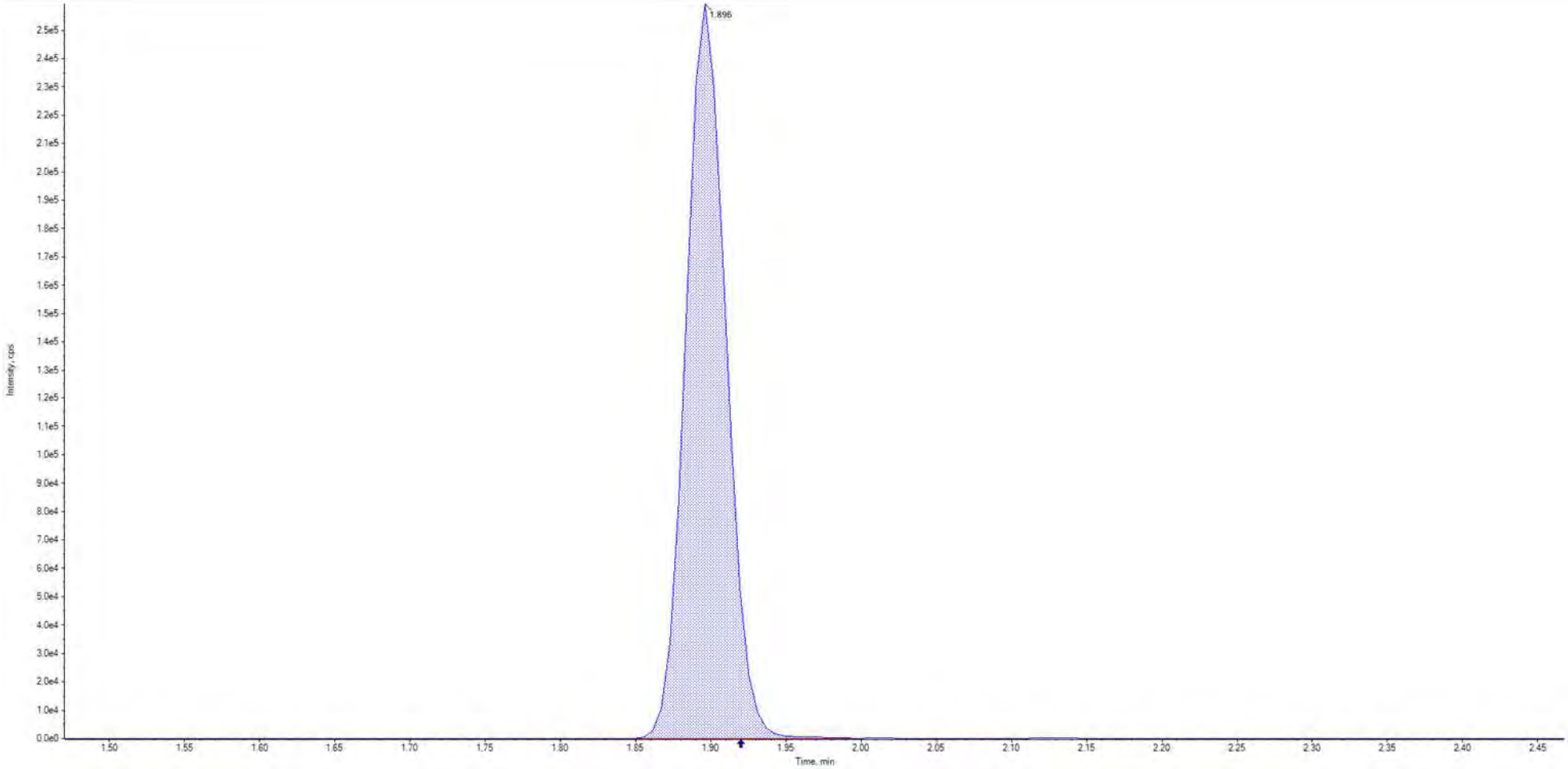


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

13C3-PFBA
Sample: WG2035972-2,INSTBLANK



13C2-PFHxA
Sample: WG2035972-2,INSTBLANK



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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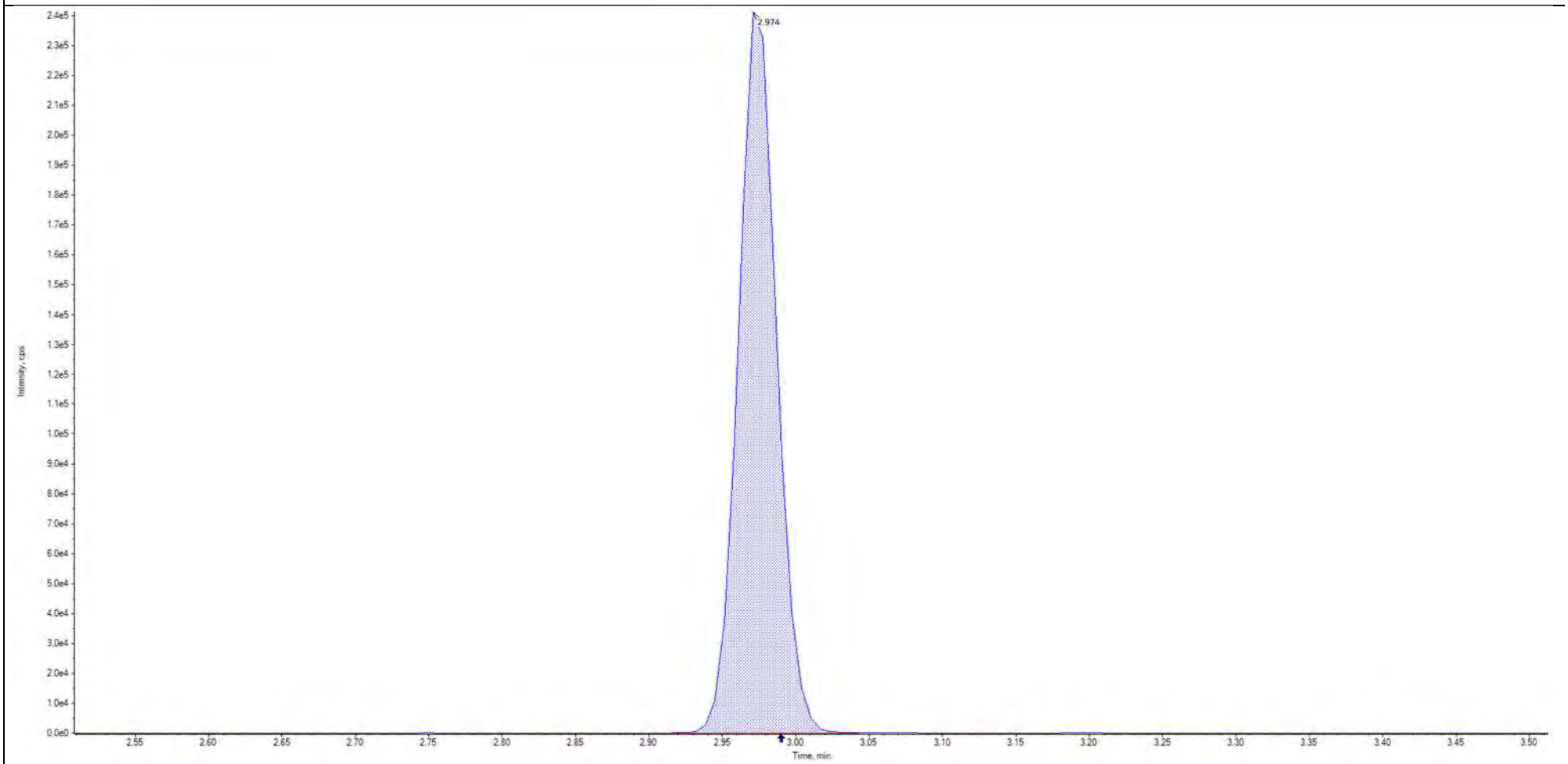
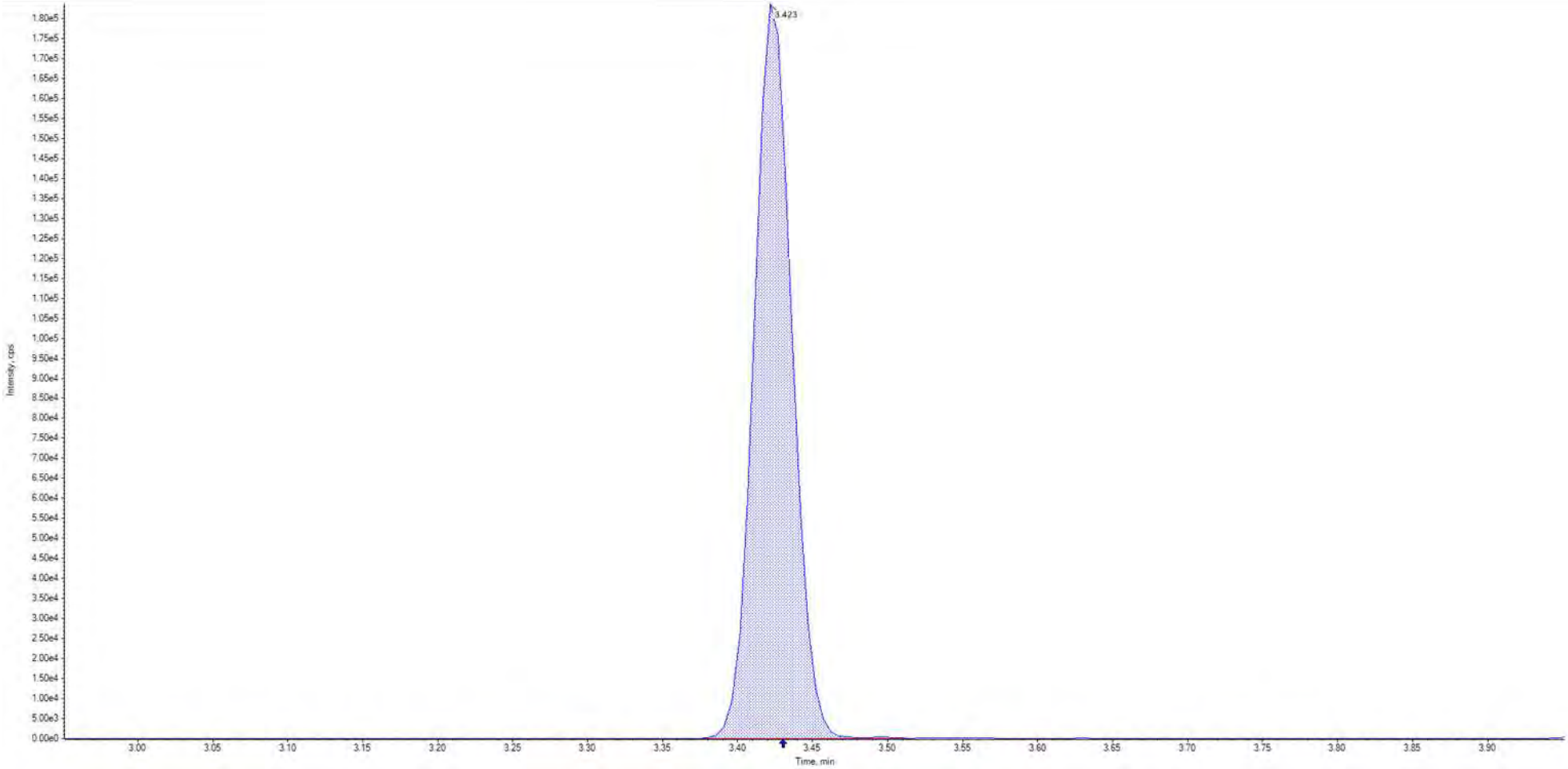
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

13C4-PFOA
Sample: WG2035972-2,INSTBLANK

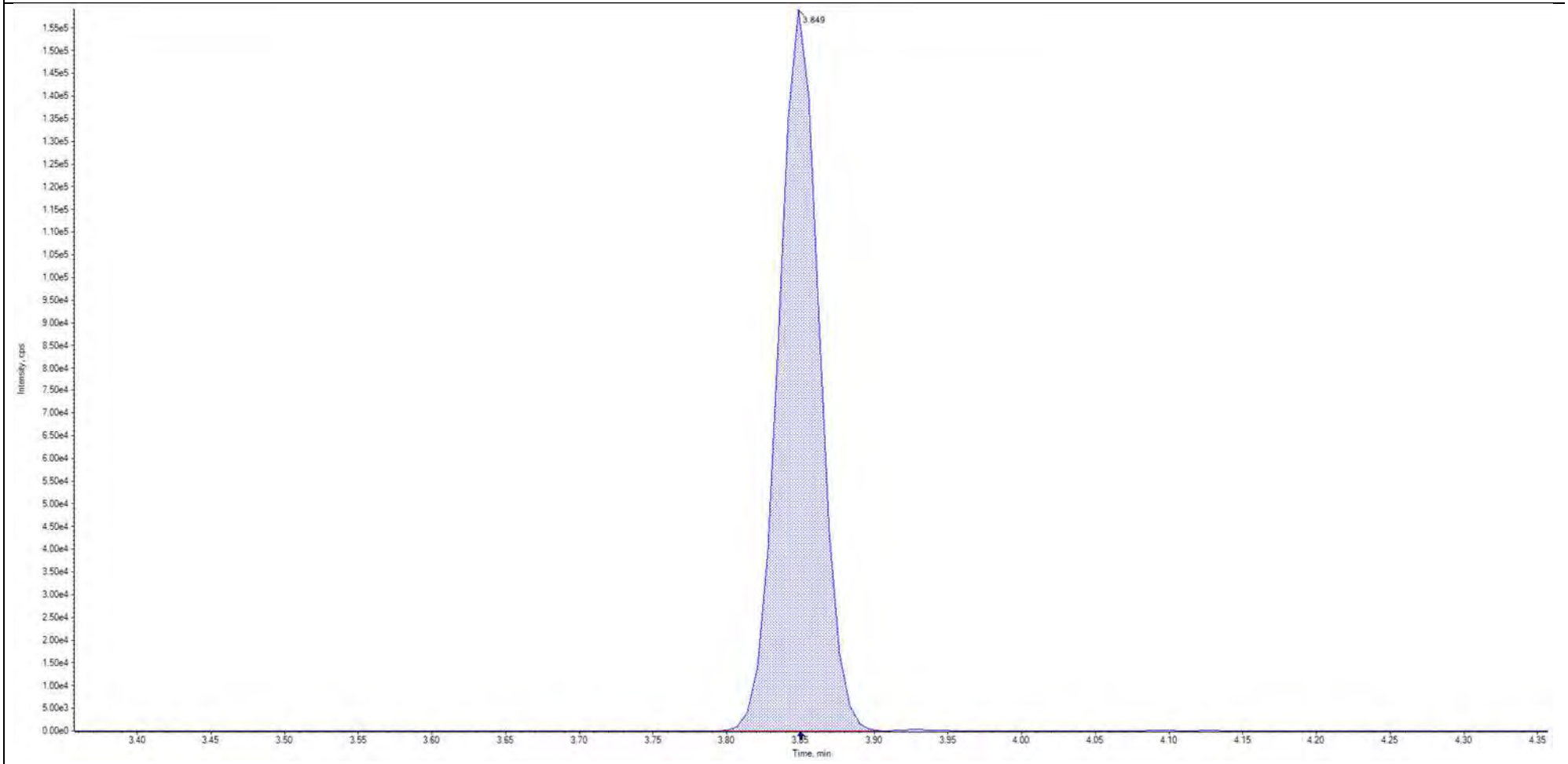


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

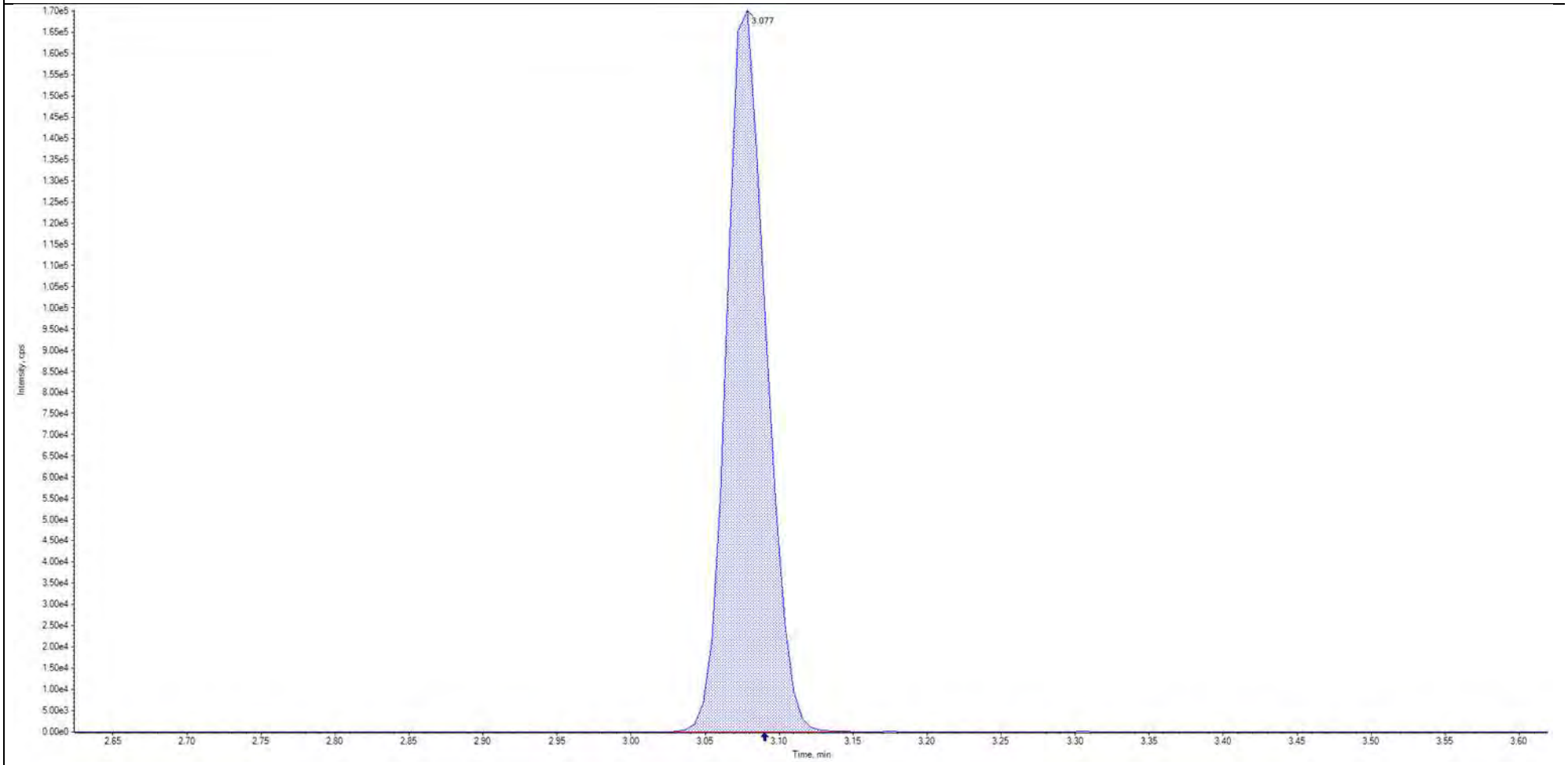
13C5-PFNA
Sample: WG2035972-2,INSTBLANK



13C2-PFDA
Sample: WG2035972-2,INSTBLANK

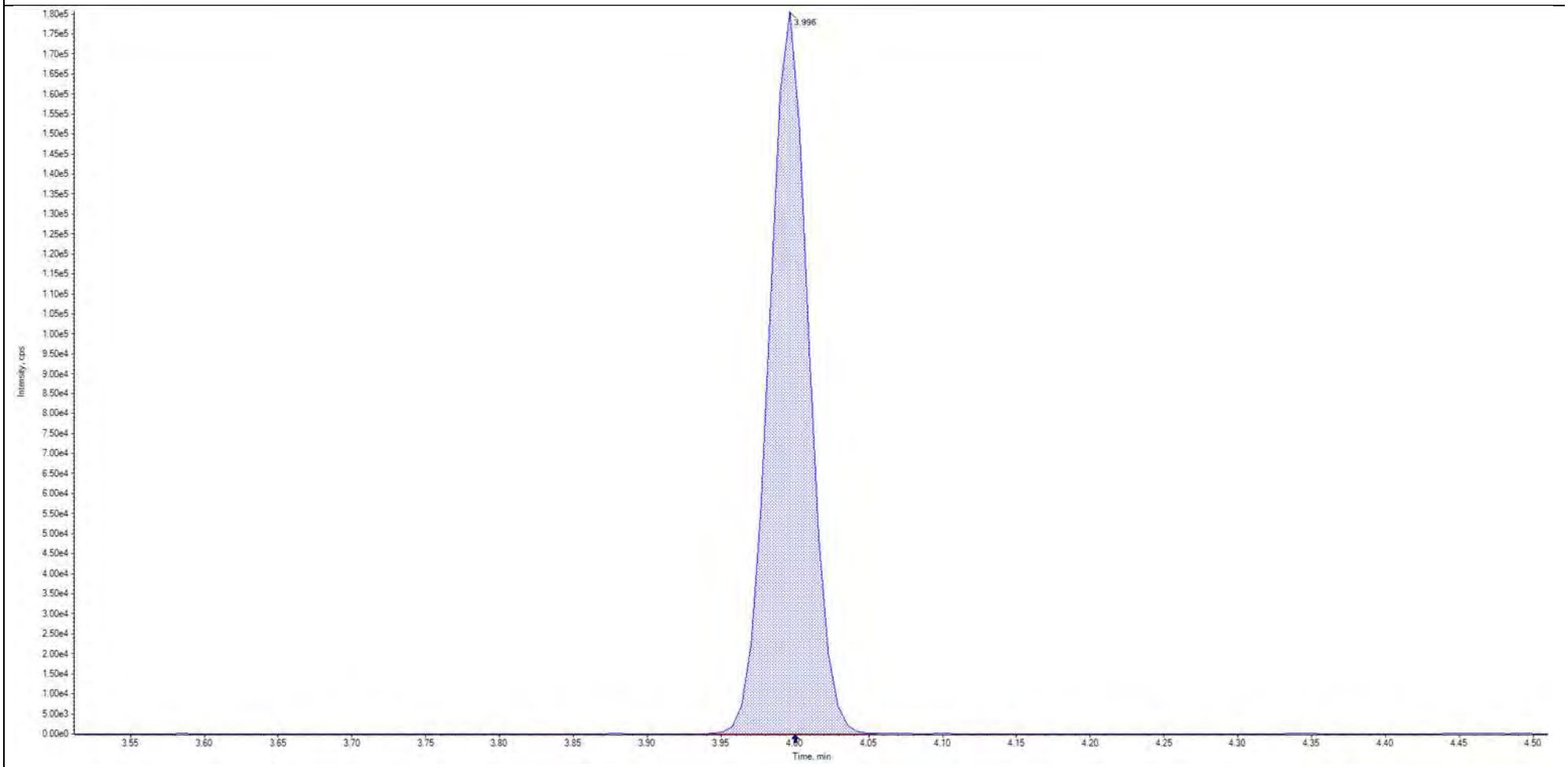


18O2-PFHxS
Sample: WG2035972-2,INSTBLANK



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

13C4-PFOS
Sample: WG2035972-2,INSTBLANK



Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_31.wiff2_1
Last Altered: 3/4/2025 10:08:00 AM
Generated: 3/4/2025 5:58:35 AM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_4
Last Altered: 3/4/2025 6:39:09 AM
Generated: 3/4/2025 5:58:35 AM

Method: EPA1633F_250303.qmethod
Calibration: 250303_1633_ICAL

ID: WG2035972-3,BSICS
Name: SCI09_250303_26.wiff2
Date & Time: 2025-03-03T15:17:32
Description: WG2035972,,EPA1633F_250303_CAL_L5
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 76 | TDCA | RT +/- PFOS | 1.34 | 499.1 / 124.1 | 1993257 | | 9.851 | 5.680 | 5.680 | Pass | 98.5 |
| 77 | TDCA_2 | RT +/- PFOS | 1.34 | 499.1 / 79.9 | 11320857 | | 9.931 | 5.680 | 5.680 | Pass | 99.3 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C4-PFBA | EIS | 0.60 | 217.0 / 172.0 | 1893182 | | 9.925 | NA | NA | NA | 99.2 |
| | 13C5-PFPeA | EIS | 1.18 | 268.0 / 223.0 | 815409 | | 4.751 | NA | NA | NA | 95.0 |

| Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| 13C5-PFHxA | EIS | 1.92 | 318.0 / 273.0 | 373194 | | 2.313 | NA | NA | NA | 92.5 |
| 13C4-PFHpA | EIS | 2.50 | 367.0 / 322.0 | 383347 | | 2.463 | NA | NA | NA | 98.5 |
| 13C8-PFOA | EIS | 2.99 | 420.8 / 376.0 | 619864 | | 2.352 | NA | NA | NA | 94.1 |
| 13C9-PFNA | EIS | 3.43 | 472.0 / 427.0 | 267518 | | 1.165 | NA | NA | NA | 93.2 |
| 13C6-PFDA | EIS | 3.85 | 519.0 / 474.0 | 303509 | | 1.169 | NA | NA | NA | 93.6 |
| 13C7-PFUnA | EIS | 4.26 | 570.0 / 525.0 | 344649 | | 1.203 | NA | NA | NA | 96.3 |
| 13C2-PFDoA | EIS | 4.65 | 615.1 / 570.0 | 339869 | | 1.180 | NA | NA | NA | 94.4 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C2-PFTeDA | EIS | 5.40 | 715.1 / 670.1 | 227851 | | 1.219 | NA | NA | NA | 97.6 |
| | 13C3-PFBS | EIS | 1.92 | 302.1 / 80.1 | 383340 | | 2.189 | NA | NA | NA | 94.0 |
| | 13C3-PFHxS | EIS | 3.09 | 402.1 / 80.1 | 341511 | | 2.194 | NA | NA | NA | 92.6 |
| | 13C8-PFOS | EIS | 4.00 | 507.1 / 80.1 | 375974 | | 2.474 | NA | NA | NA | 103.1 |
| | 13C2-4:2FTS | EIS | 1.72 | 329.1 / 81.1 | 106752 | | 4.134 | NA | NA | NA | 88.1 |
| | 13C2-6:2FTS | EIS | 2.80 | 429.2 / 81.1 | 98255 | | 4.419 | NA | NA | NA | 92.8 |
| | 13C2-8:2FTS | EIS | 3.67 | 529.2 / 81.1 | 95058 | | 4.558 | NA | NA | NA | 95.0 |
| | 13C8-PFOSA | EIS | 5.24 | 506.1 / 78.1 | 605958 | | 2.512 | NA | NA | NA | 100.5 |

| Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| d3-NMeFOSA | EIS | 5.97 | 515.2 / 219.0 | 112380 | | 2.580 | NA | NA | NA | 103.2 |
| d5-NEtFOSA | EIS | 6.26 | 531.2 / 219.0 | 102844 | | 2.596 | NA | NA | NA | 103.9 |
| d3-NMeFOSAA | EIS | 3.98 | 573.2 / 419.1 | 173229 | | 5.837 | NA | NA | NA | 116.7 |
| d5-NEtFOSAA | EIS | 4.19 | 589.3 / 419.1 | 117302 | | 4.847 | NA | NA | NA | 96.9 |
| d7-NMeFOSE | EIS | 5.82 | 623.2 / 58.9 | 811391 | | 25.897 | NA | NA | NA | 103.6 |
| d9-NEtFOSE | EIS | 6.12 | 639.2 / 58.9 | 1081459 | | 25.731 | NA | NA | NA | 102.9 |
| 13C3-HFPO-DA | EIS | 2.13 | 287.0 / 169.0 | 1620896 | | 9.497 | NA | NA | NA | 95.0 |

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_4
Last Altered: 3/4/2025 6:39:09 AM
Generated: 3/4/2025 5:58:35 AM

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C3-PFBA | NIS | 0.59 | 216.0 / 172.0 | 844058 | | 5.824 | NA | NA | NA | 116.5 |
| | 13C2-PFHxA | NIS | 1.92 | 315.0 / 270.0 | 475130 | | 2.932 | NA | NA | NA | 117.3 |
| | 13C4-PFOA | NIS | 2.99 | 417.0 / 372.0 | 400543 | | 2.786 | NA | NA | NA | 111.4 |
| | 13C5-PFNA | NIS | 3.43 | 468.0 / 423.0 | 287712 | | 1.396 | NA | NA | NA | 111.7 |
| | 13C2-PFDA | NIS | 3.85 | 515.1 / 470.1 | 302924 | | 1.425 | NA | NA | NA | 114.0 |
| | 18O2-PFHxS | NIS | 3.09 | 403.1 / 84.1 | 327303 | | 2.780 | NA | NA | NA | 117.3 |
| | 13C4-PFOS | NIS | 4.00 | 503.1 / 80.1 | 305674 | | 2.543 | NA | NA | NA | 105.9 |

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_4
Last Altered: 3/4/2025 6:39:09 AM
Generated: 3/4/2025 5:58:35 AM

TDCA
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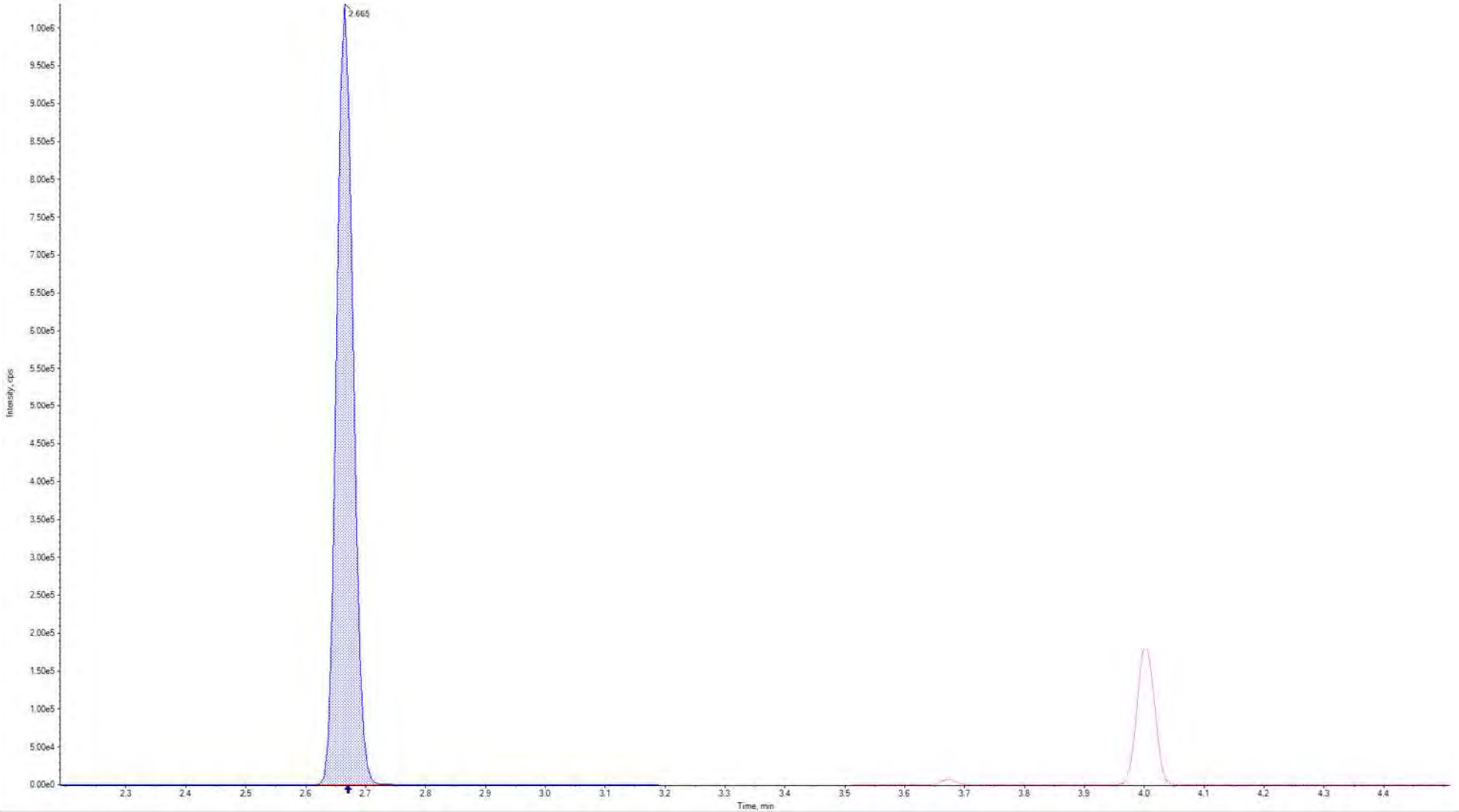
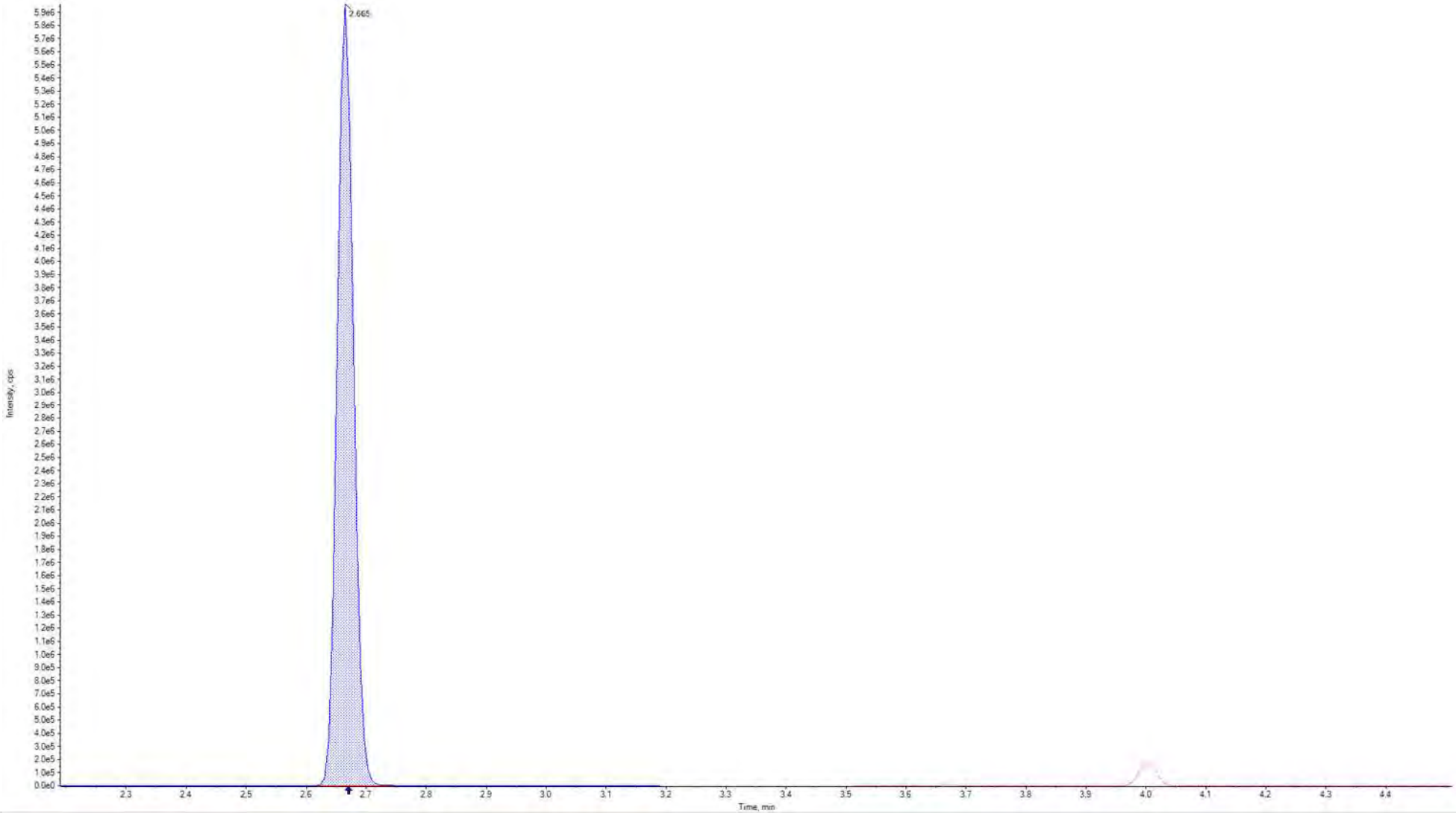


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_4
Last Altered: 3/4/2025 6:39:09 AM
Generated: 3/4/2025 5:58:35 AM

TDCA_2
Sample: WG2035972-3,BSICS S/N:119607.9 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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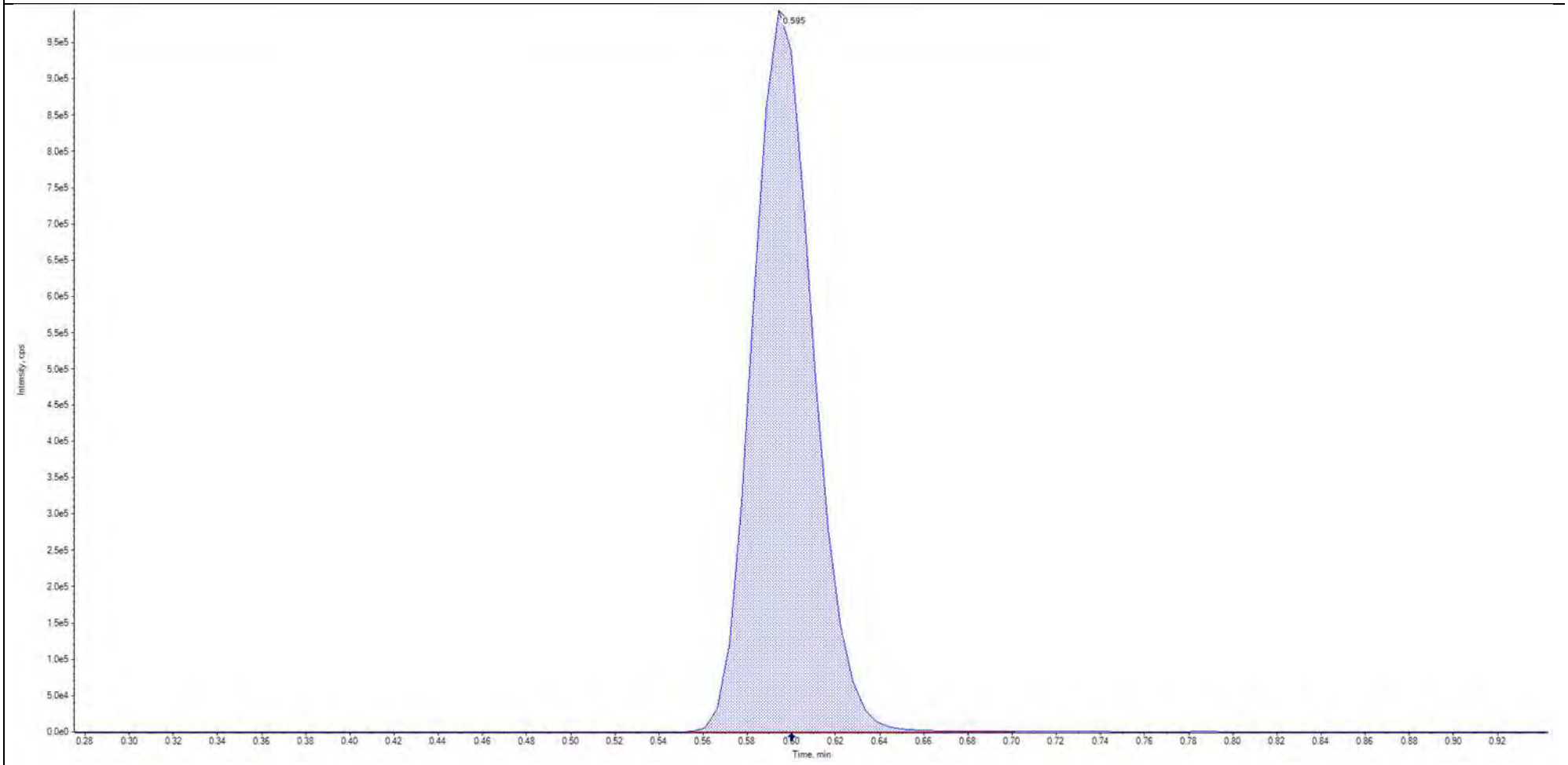
Generated: 3/4/2025 5:58:35 AM

13C4-PFBA
Sample: WG2035972-3,BSICS



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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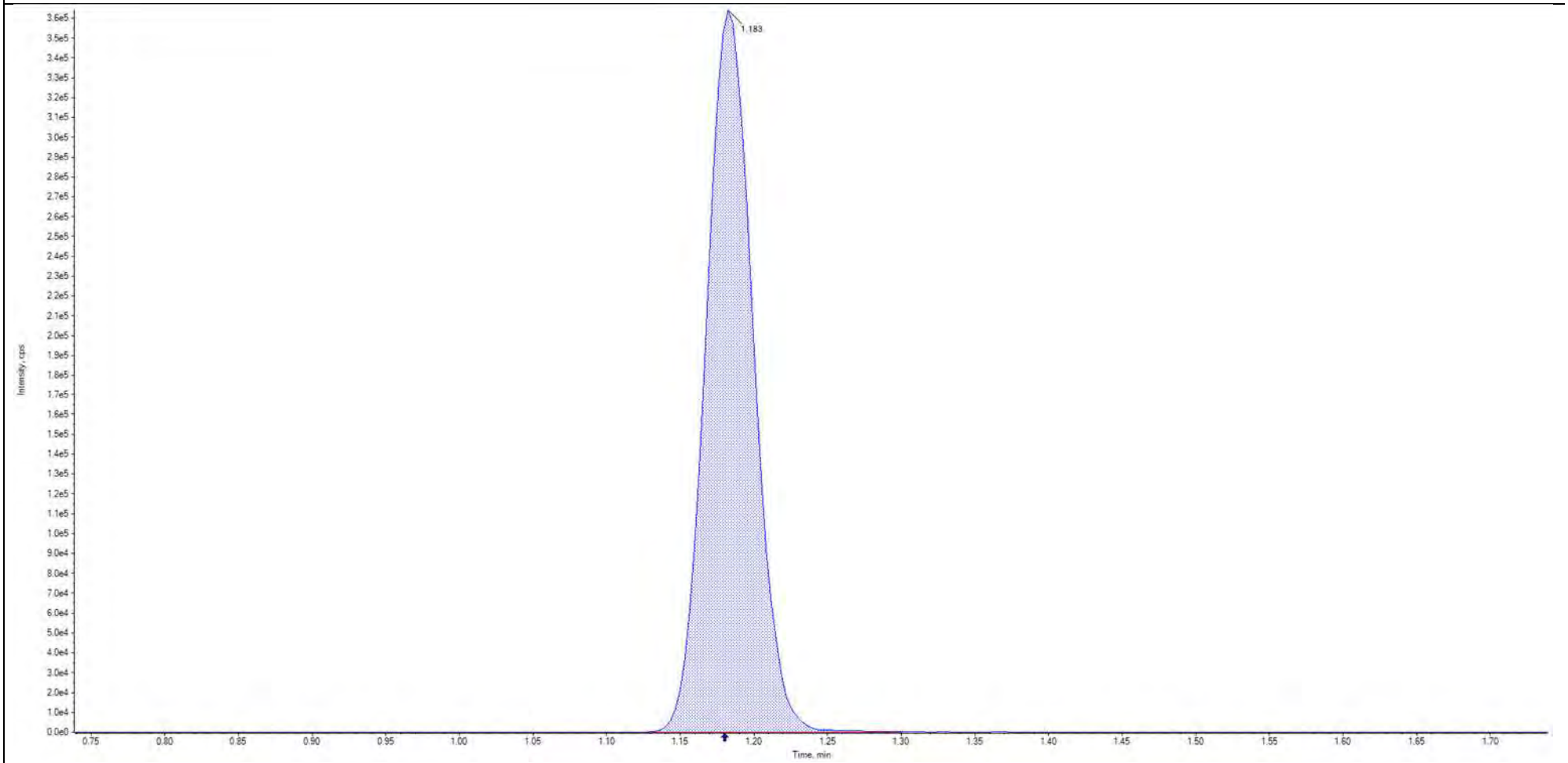
Generated: 3/4/2025 5:58:35 AM

13C5-PFPeA
Sample: WG2035972-3,BSICS



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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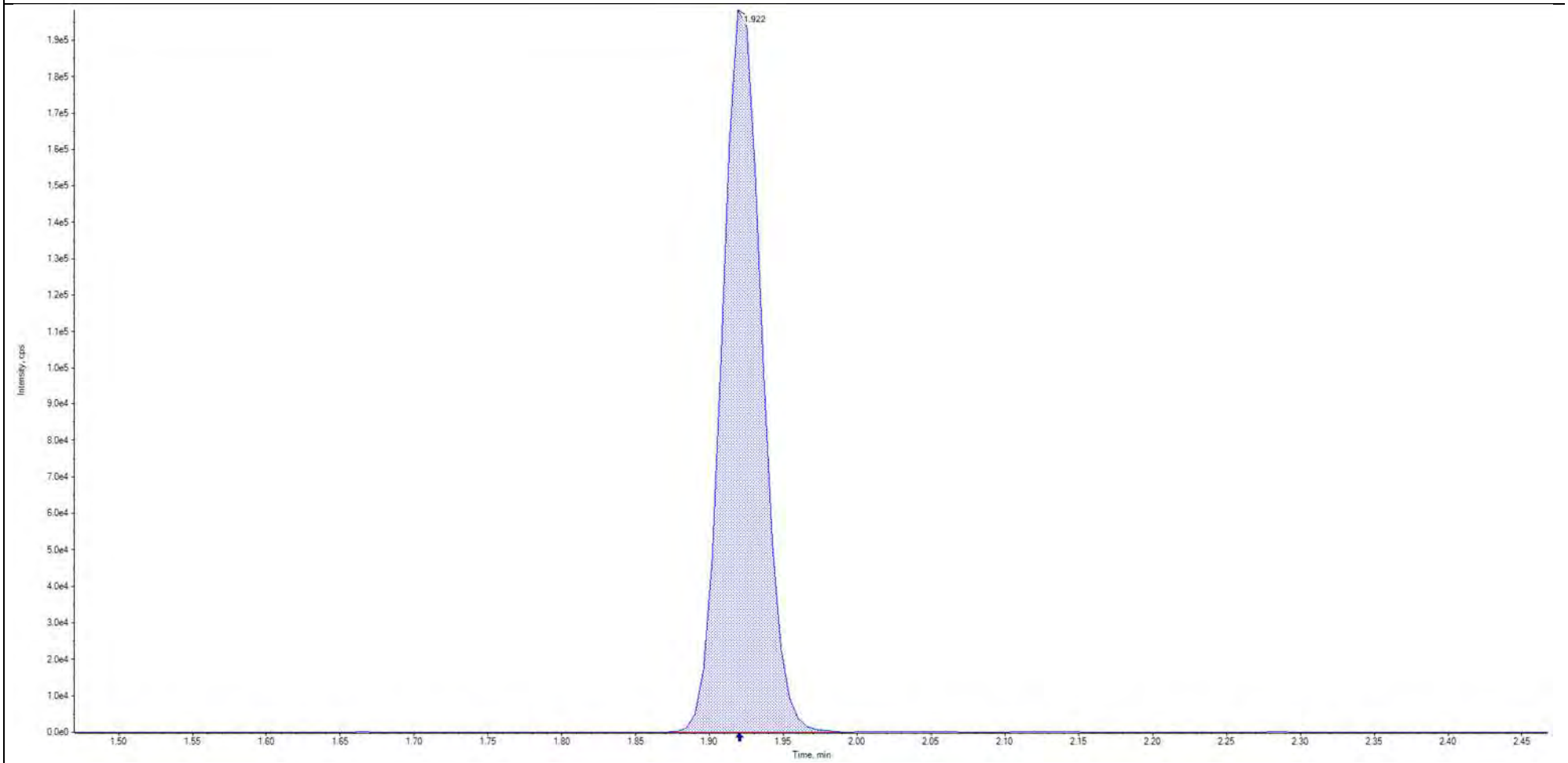
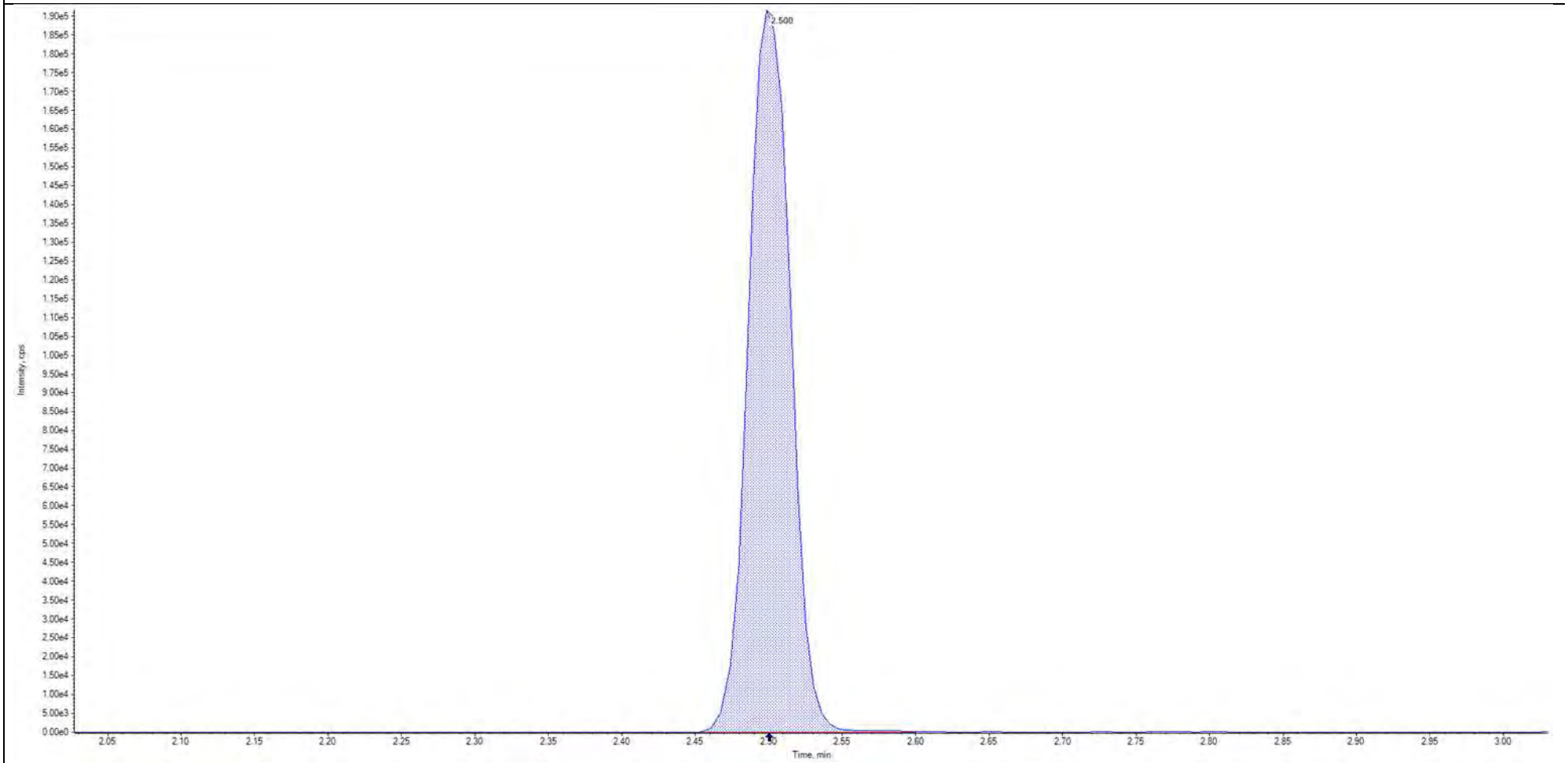
Generated: 3/4/2025 5:58:35 AM

13C5-PFHxA
Sample: WG2035972-3,BSICS



13C4-PFHpA
Sample: WG2035972-3,BSICS



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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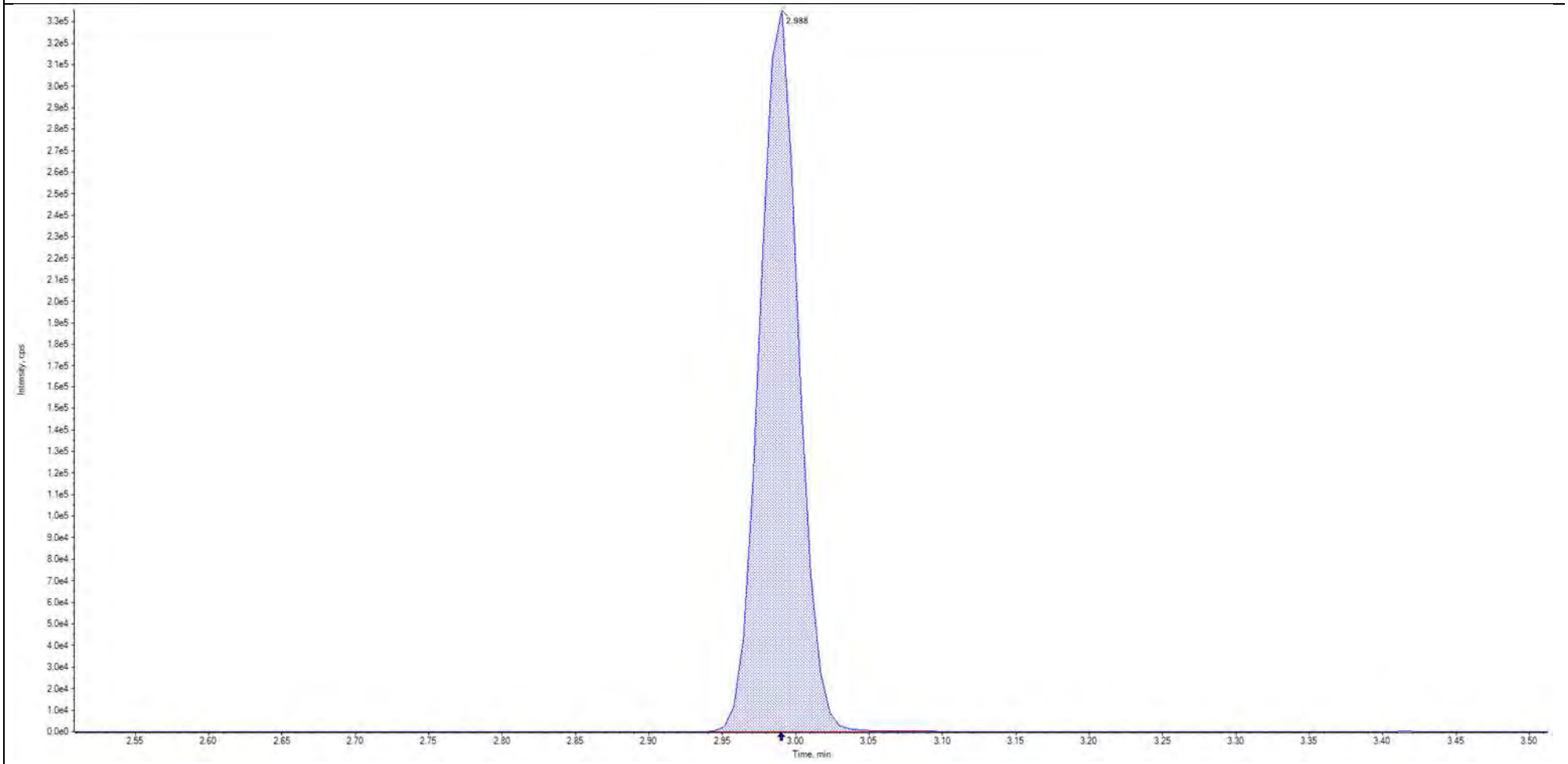
Last Altered: 3/4/2025 6:39:09 AM
Generated: 3/4/2025 5:58:35 AM

13C8-PFOA
Sample: WG2035972-3,BSICS



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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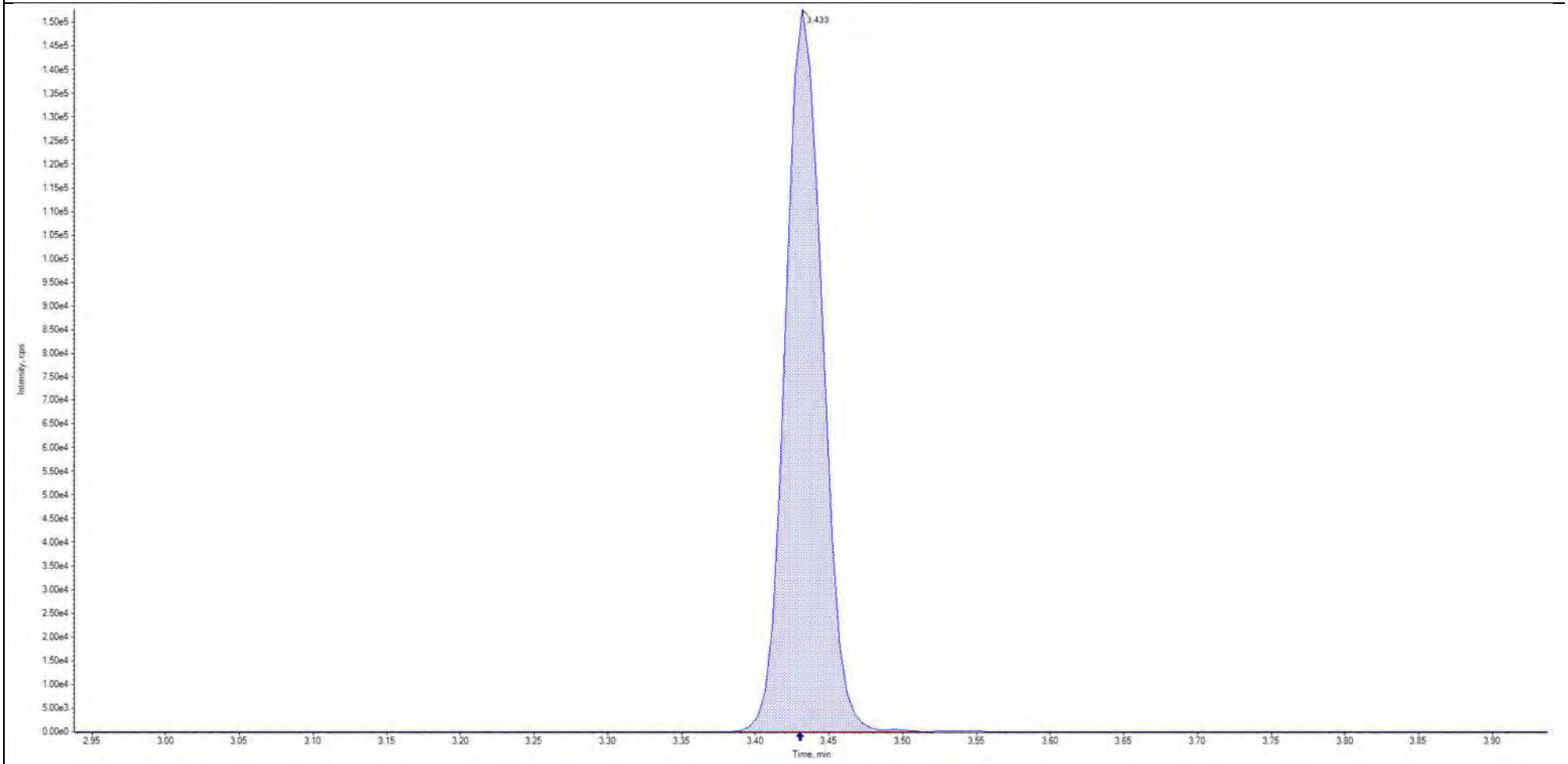
Last Altered: 3/4/2025 6:39:09 AM
Generated: 3/4/2025 5:58:35 AM

13C9-PFNA
Sample: WG2035972-3,BSICS



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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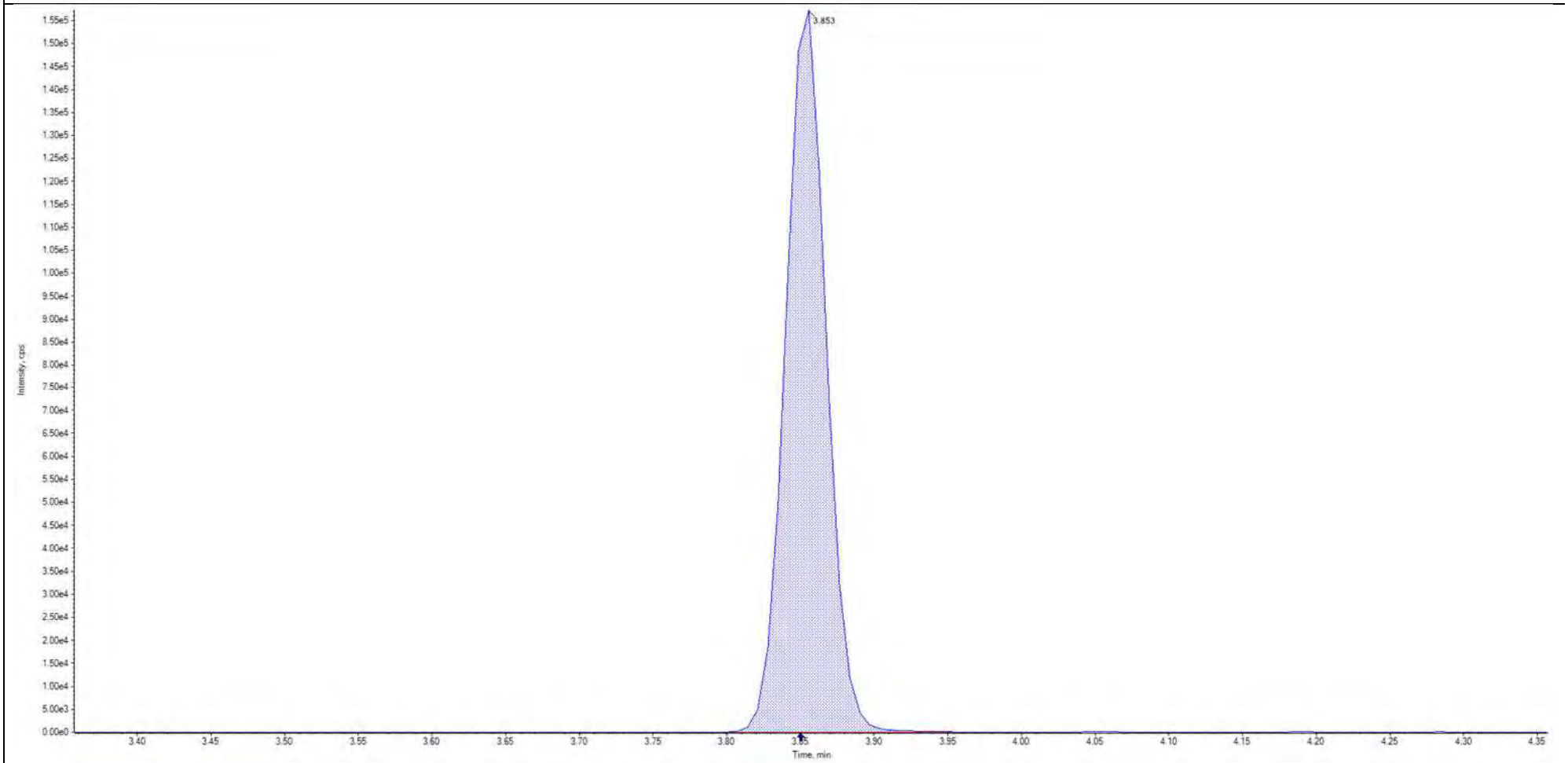
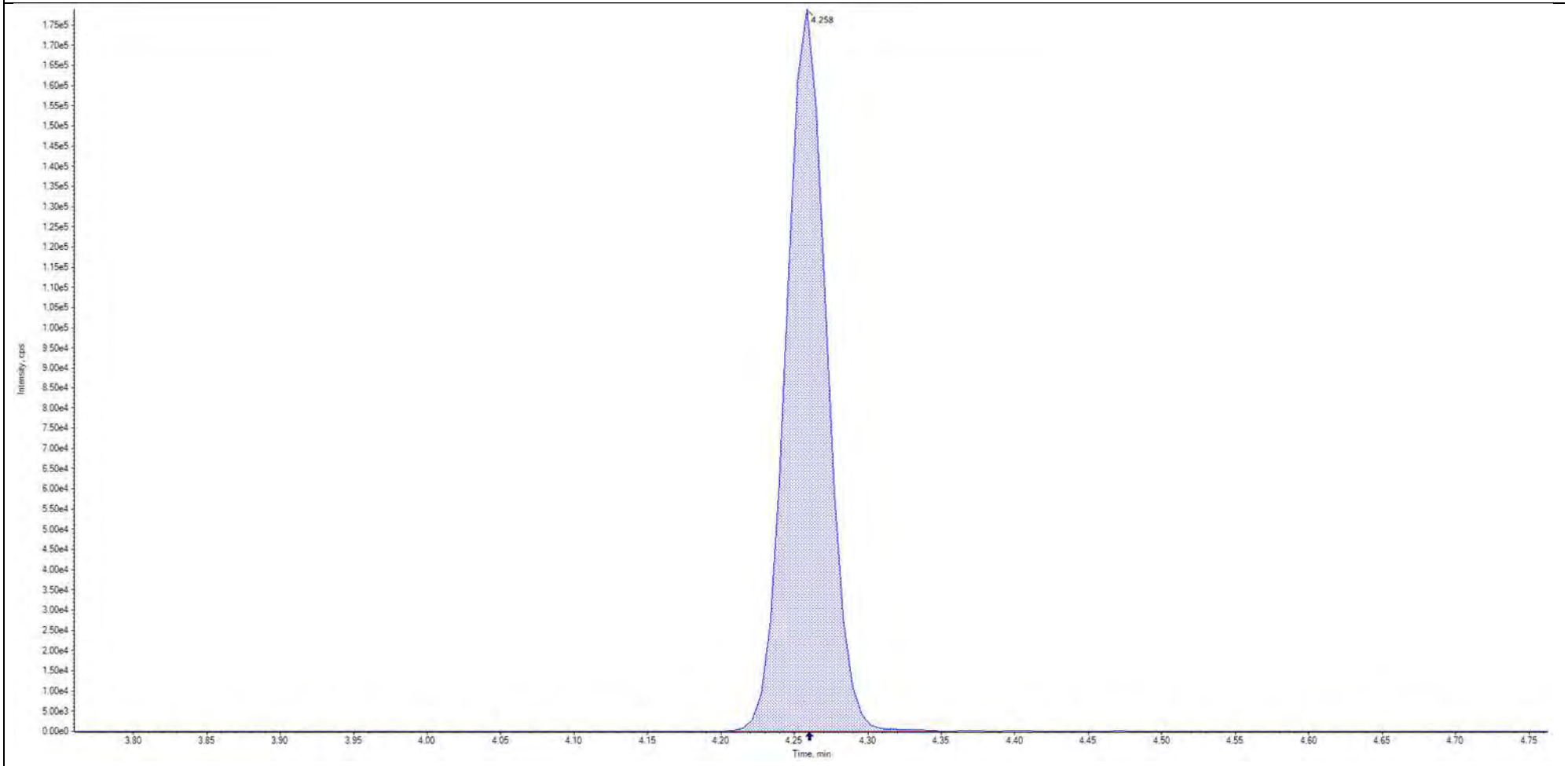
Generated: 3/4/2025 5:58:35 AM

13C6-PFDA
Sample: WG2035972-3,BSICS



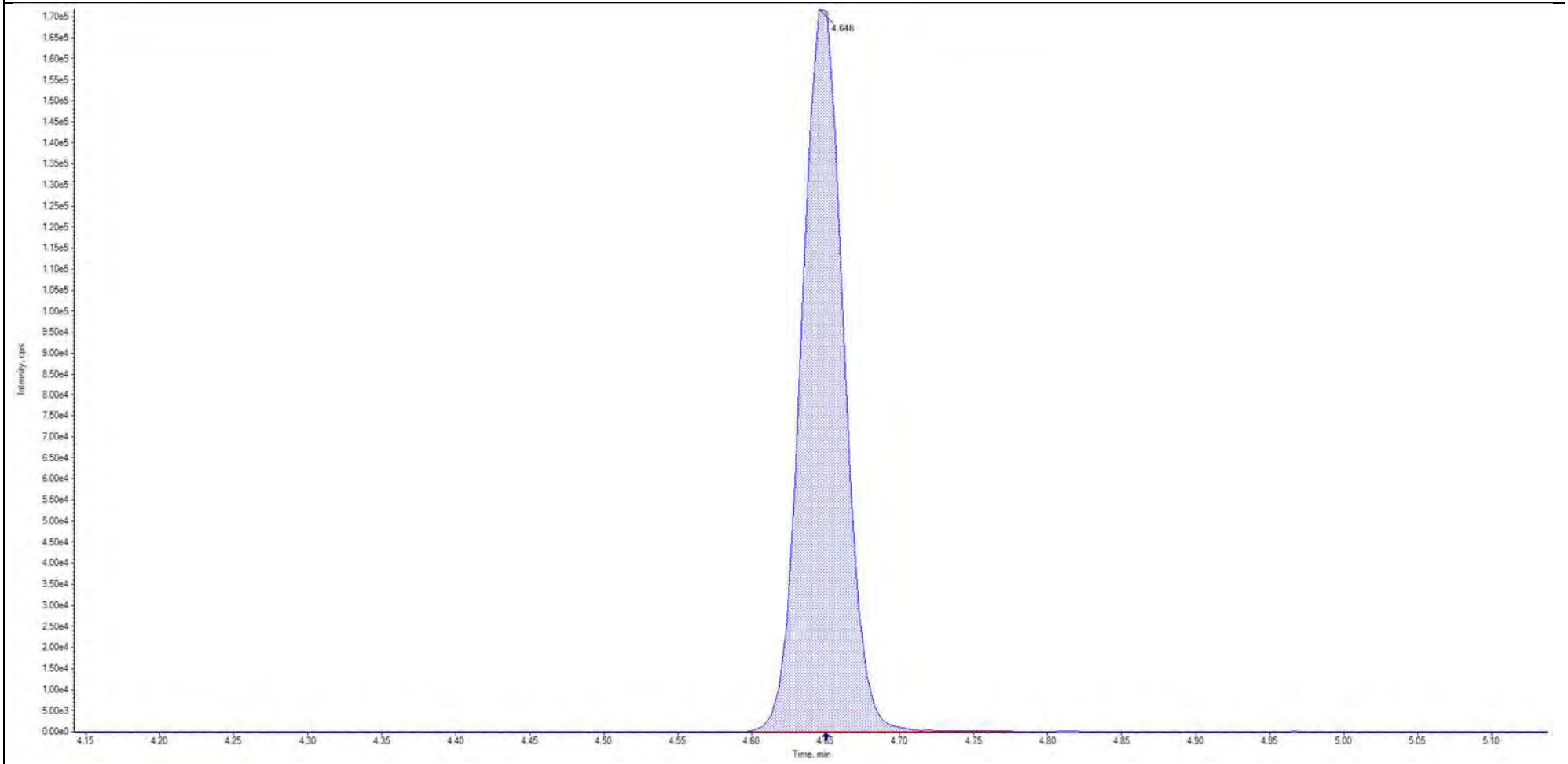
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_4
Last Altered: 3/4/2025 6:39:09 AM
Generated: 3/4/2025 5:58:35 AM

13C7-PFUnA
Sample: WG2035972-3,BSICS



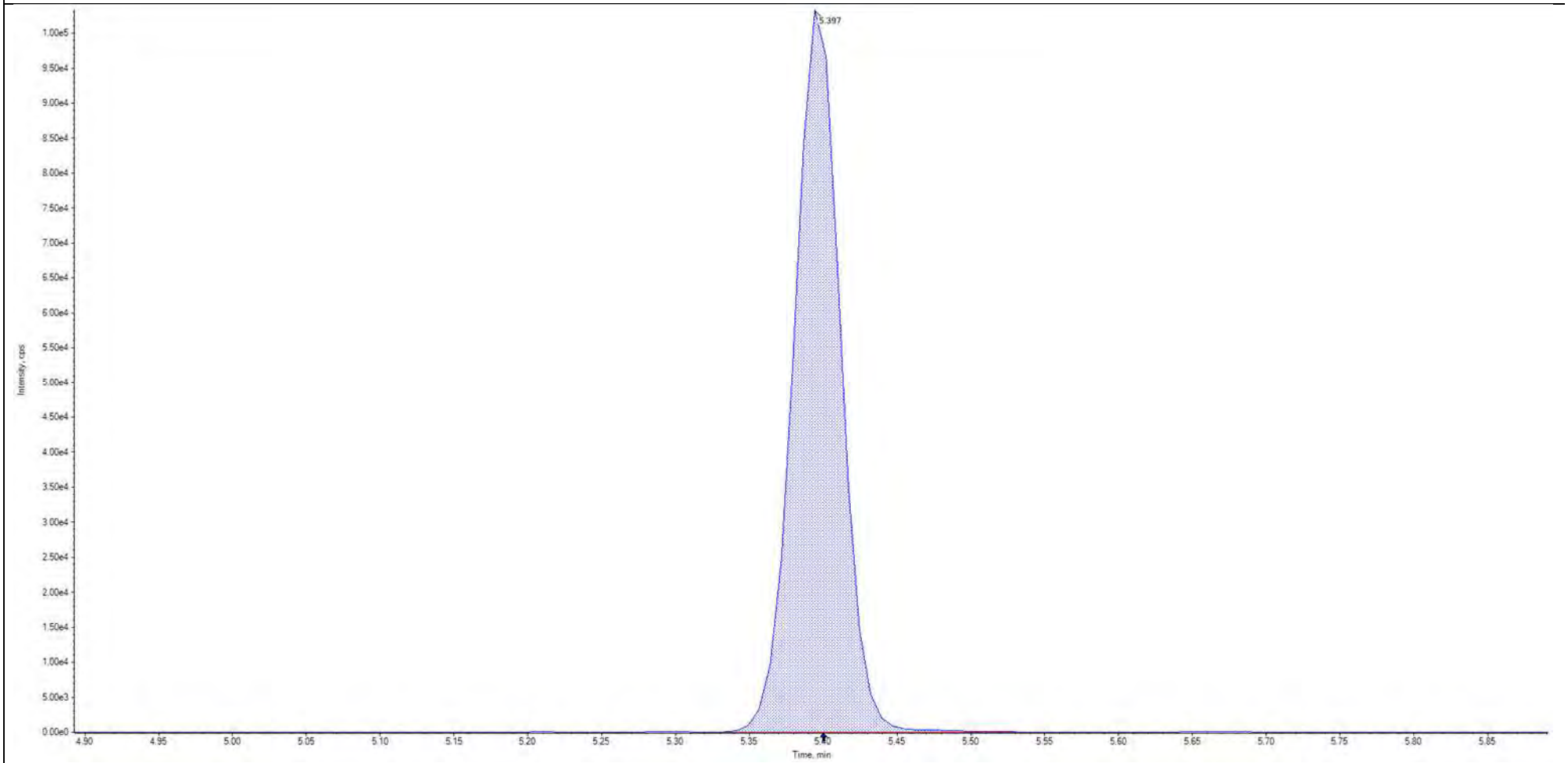
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_4
Last Altered: 3/4/2025 6:39:09 AM
Generated: 3/4/2025 5:58:35 AM

13C2-PFDoA
Sample: WG2035972-3,BSICS

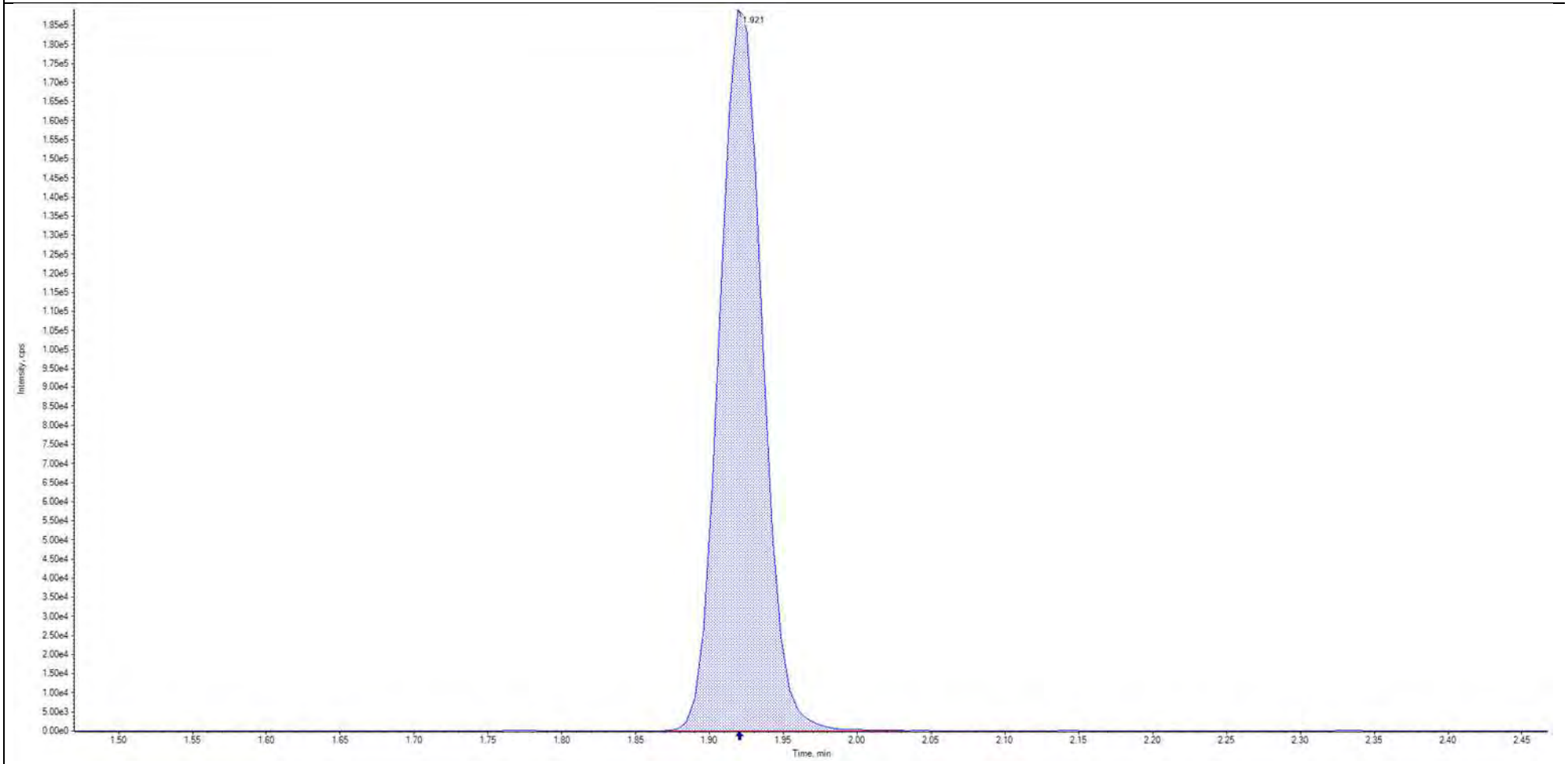


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_4
Last Altered: 3/4/2025 6:39:09 AM
Generated: 3/4/2025 5:58:35 AM

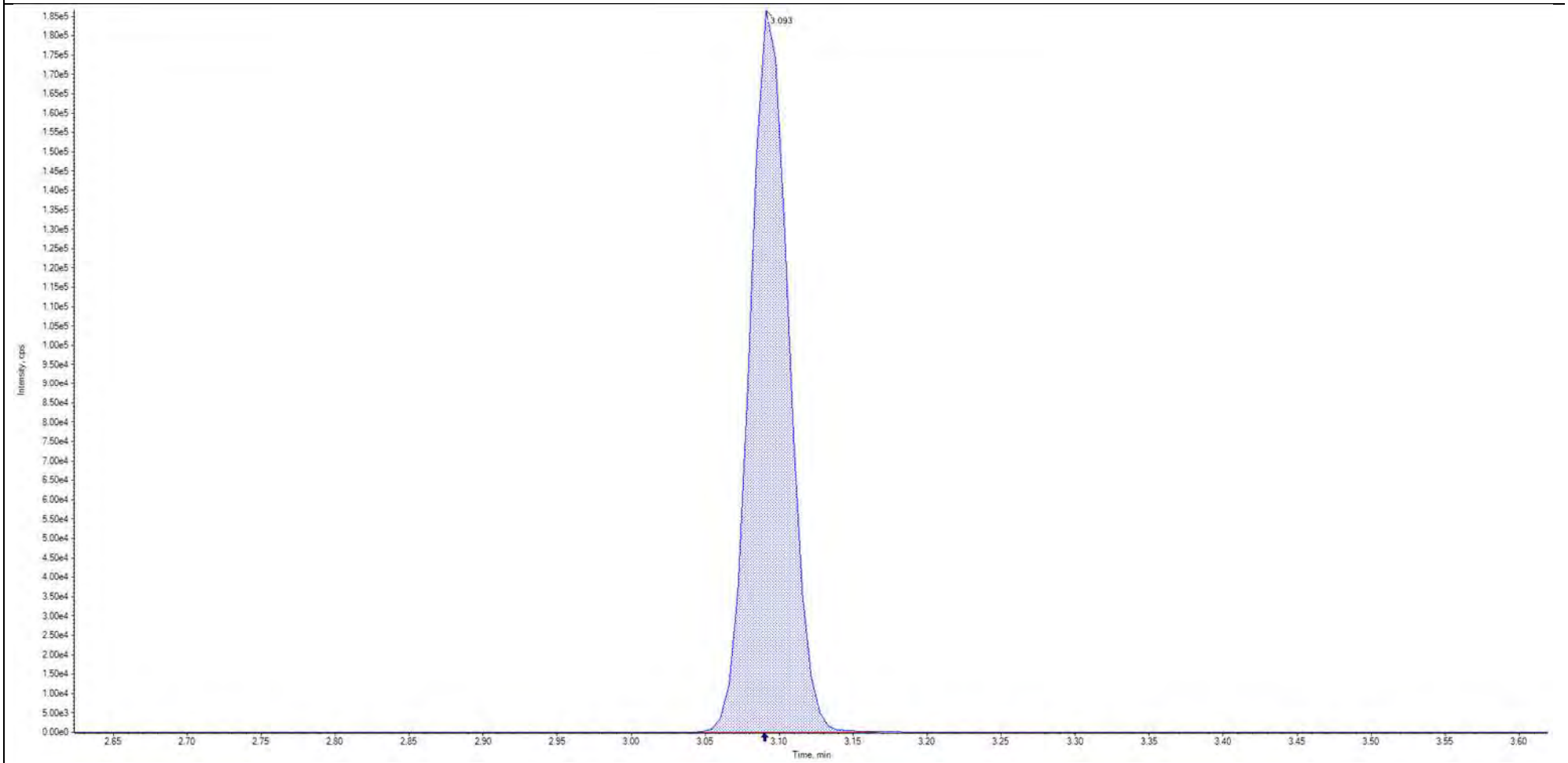
13C2-PFTeDA
Sample: WG2035972-3,BSICS



13C3-PFBS
Sample: WG2035972-3,BSICS

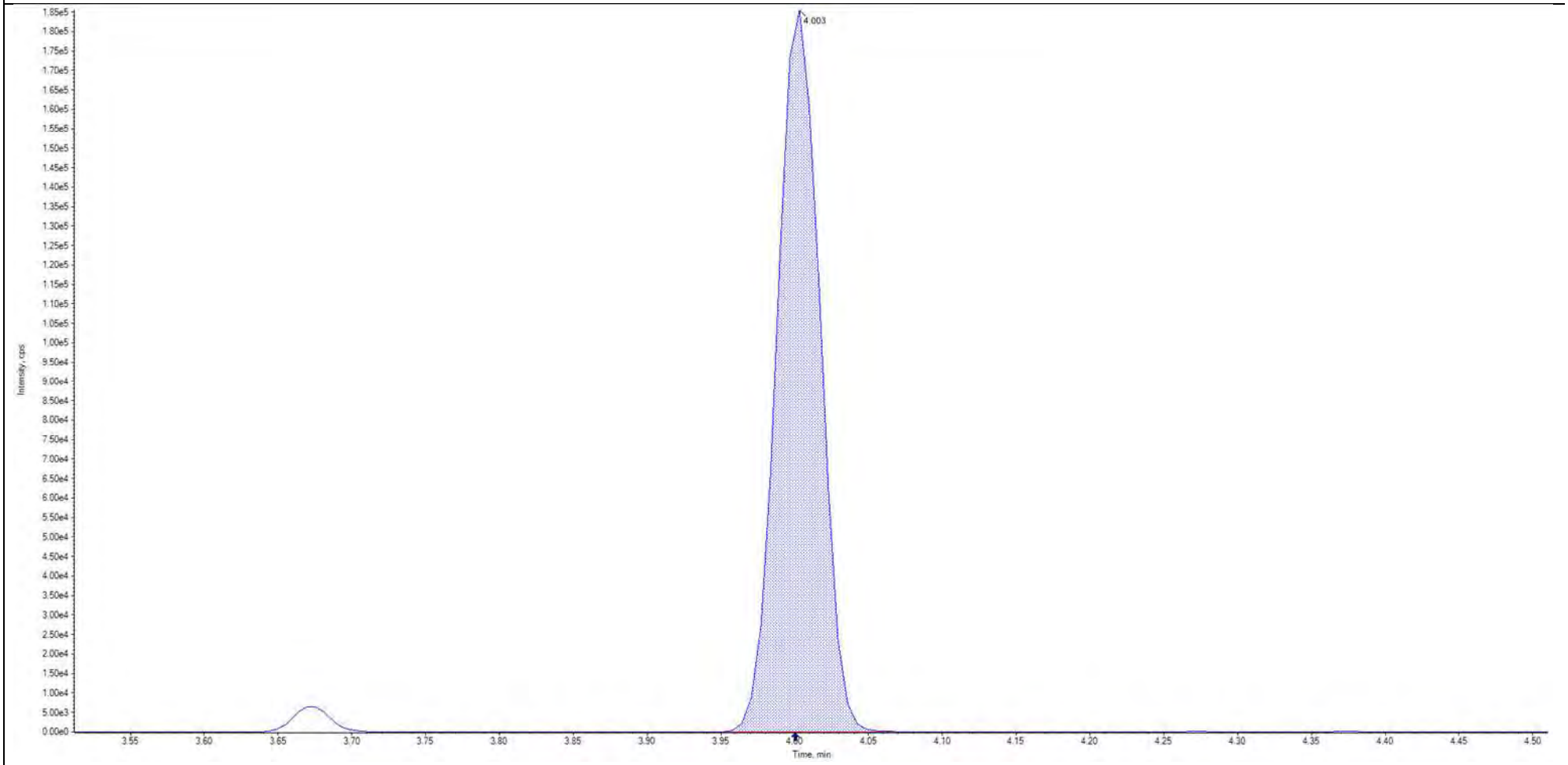


13C3-PFHxS
Sample: WG2035972-3,BSICS



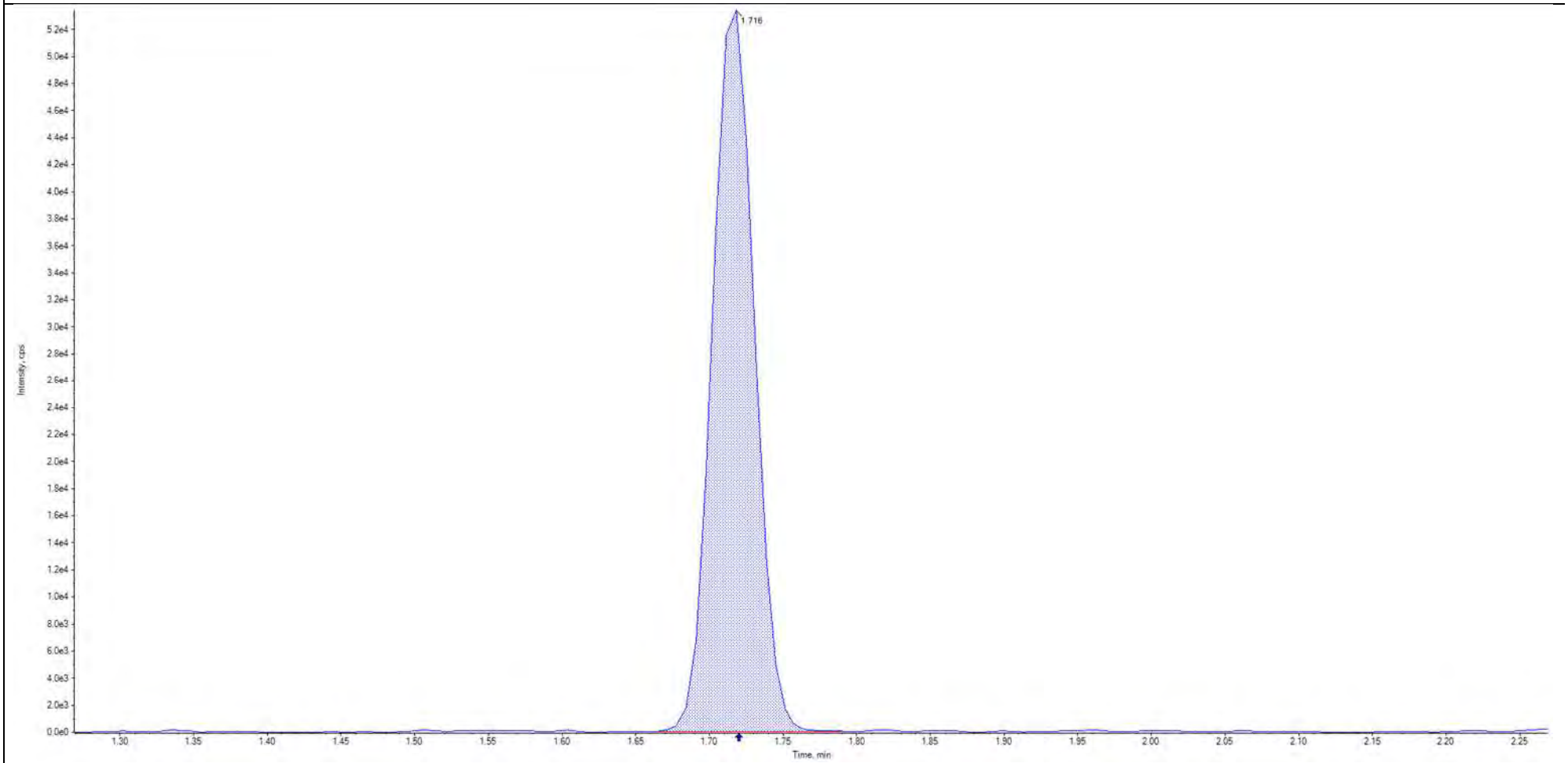
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_4
Last Altered: 3/4/2025 6:39:09 AM
Generated: 3/4/2025 5:58:35 AM

13C8-PFOS
Sample: WG2035972-3,BSICS

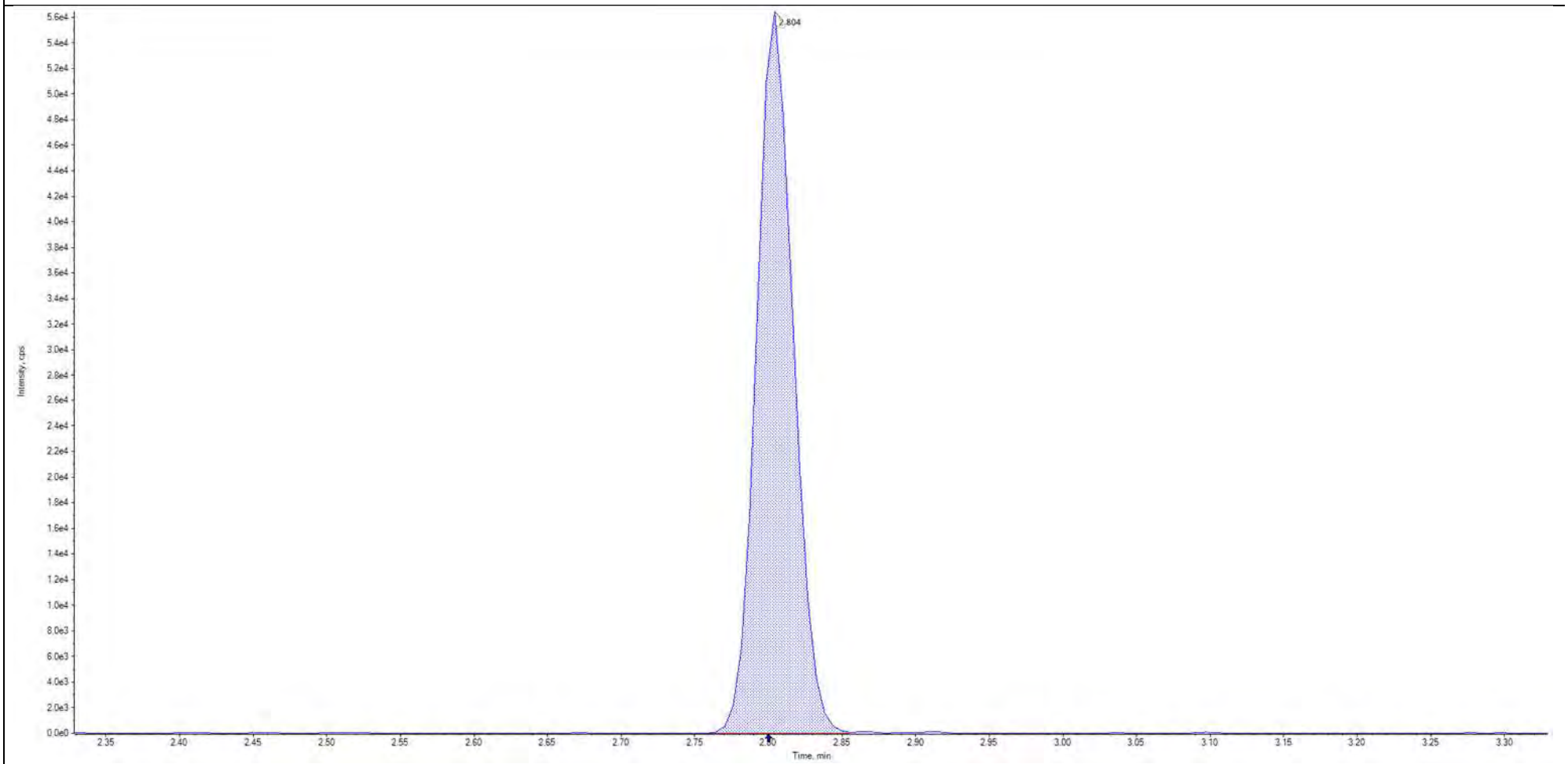


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_4
Last Altered: 3/4/2025 6:39:09 AM
Generated: 3/4/2025 5:58:35 AM

13C2-4:2FTS
Sample: WG2035972-3,BSICS



13C2-6:2FTS
Sample: WG2035972-3,BSICS



13C2-8:2FTS
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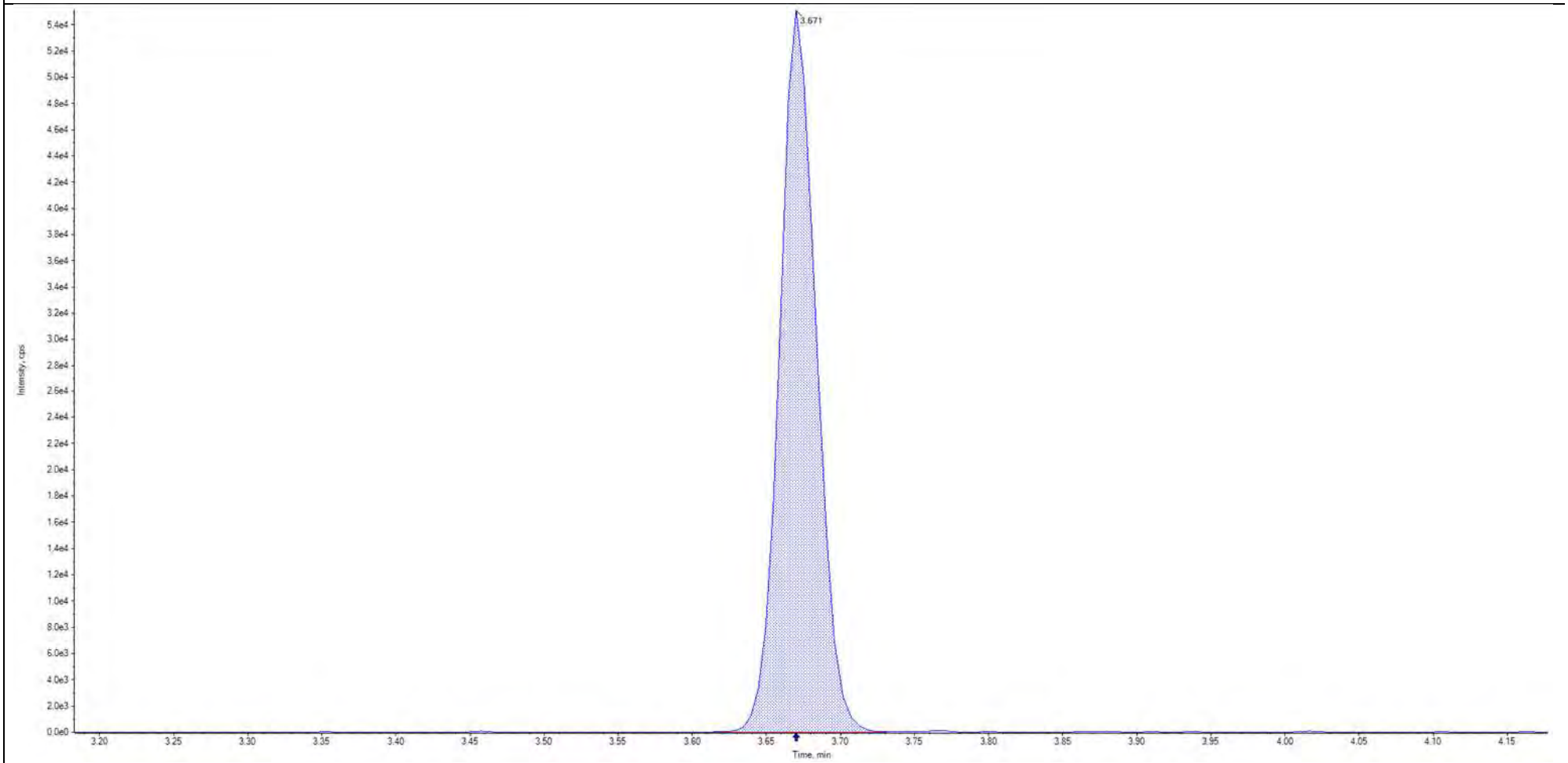

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_4
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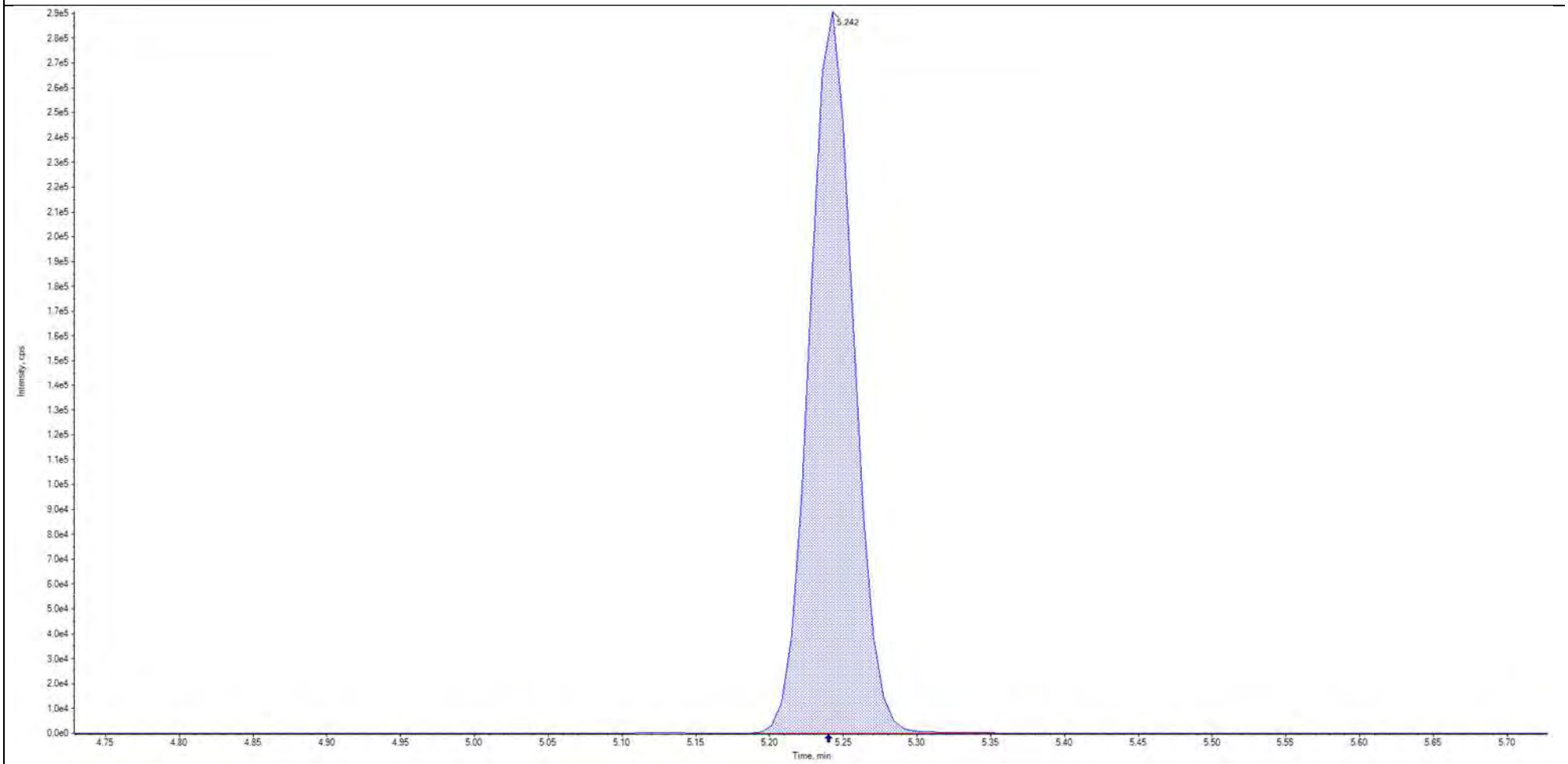
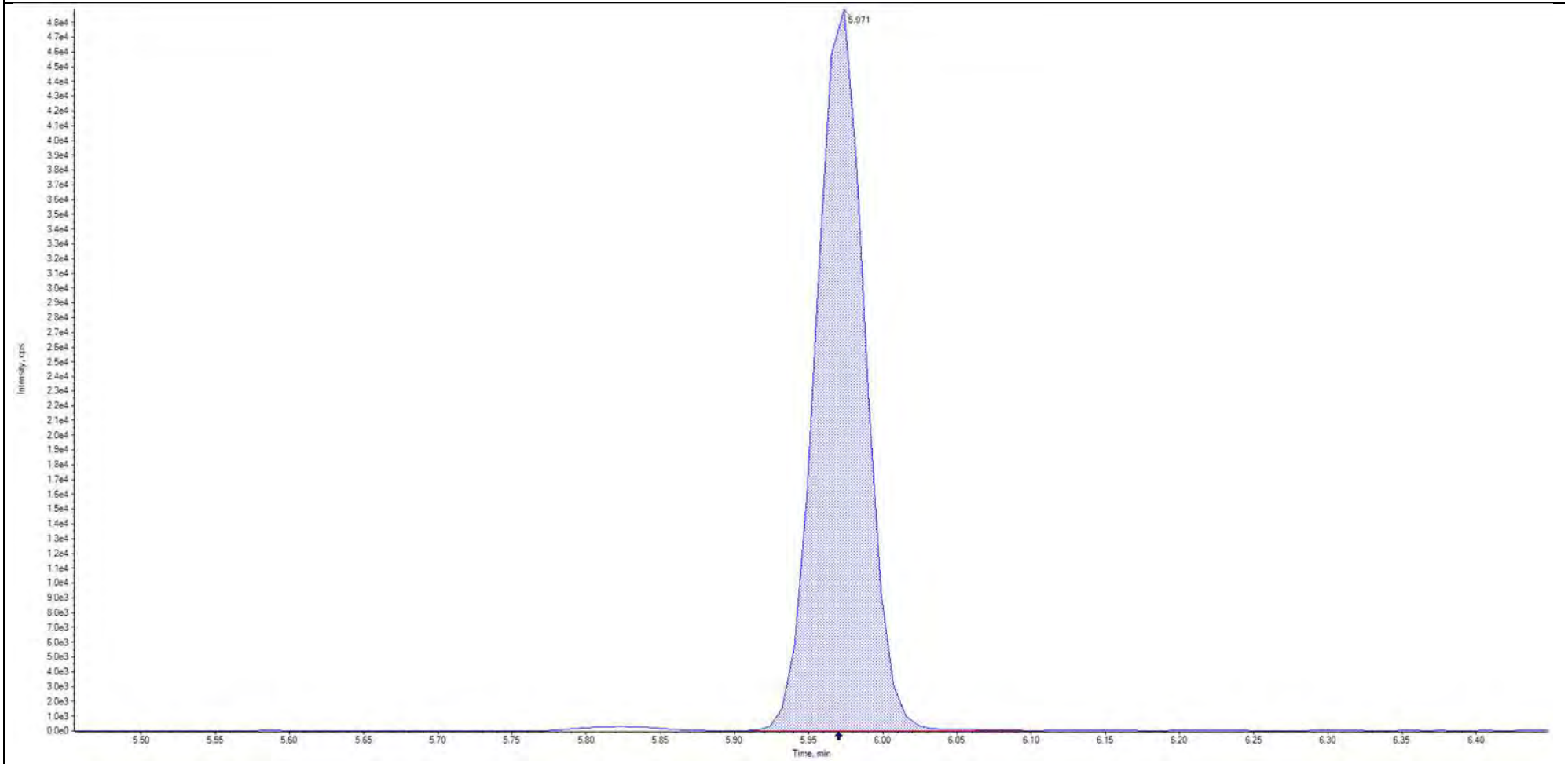
Generated: 3/4/2025 5:58:35 AM

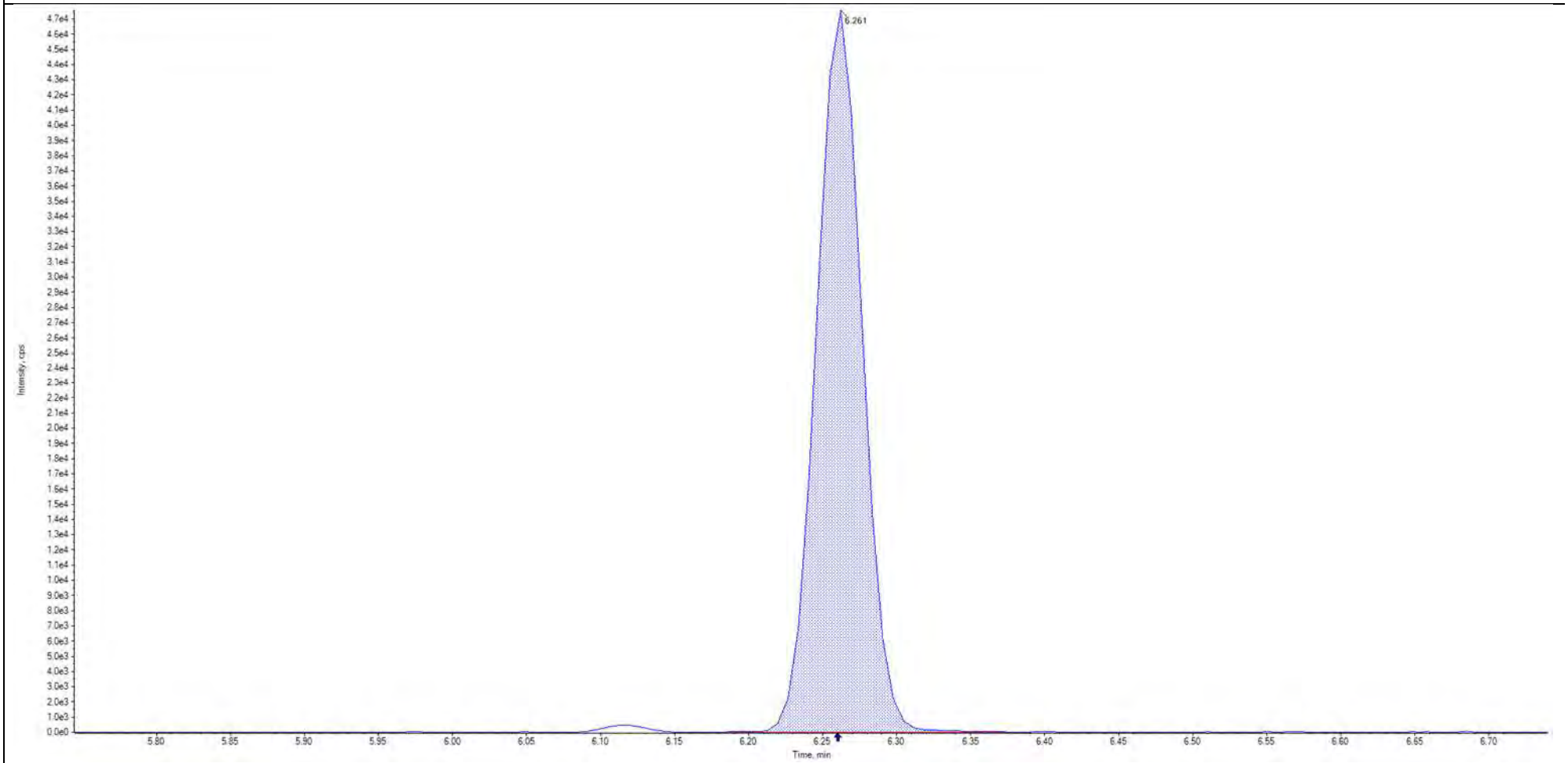
13C8-PFOSA
Sample: WG2035972-3,BSICS



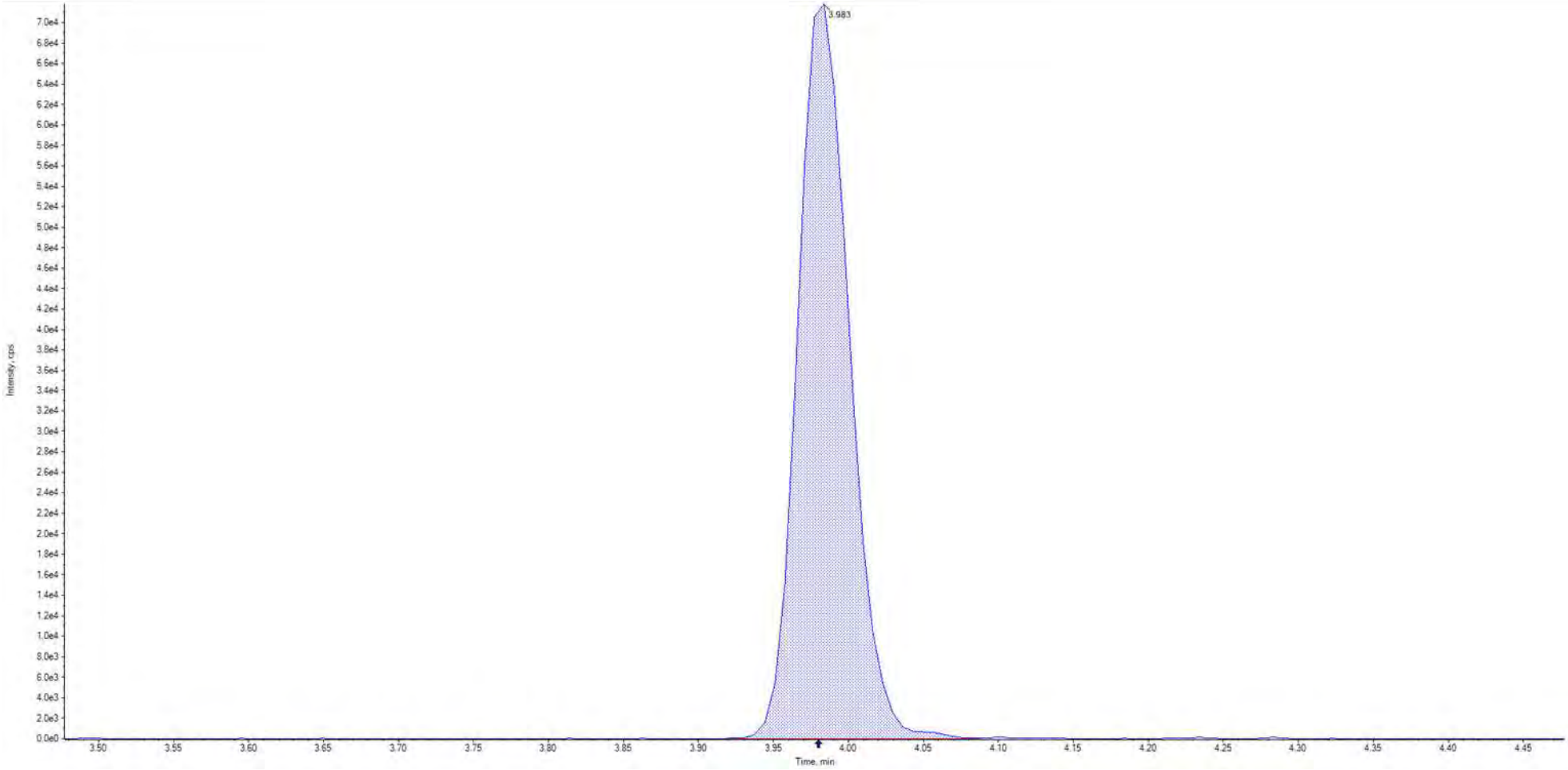
d3-NMeFOSA
Sample: WG2035972-3,BSICS



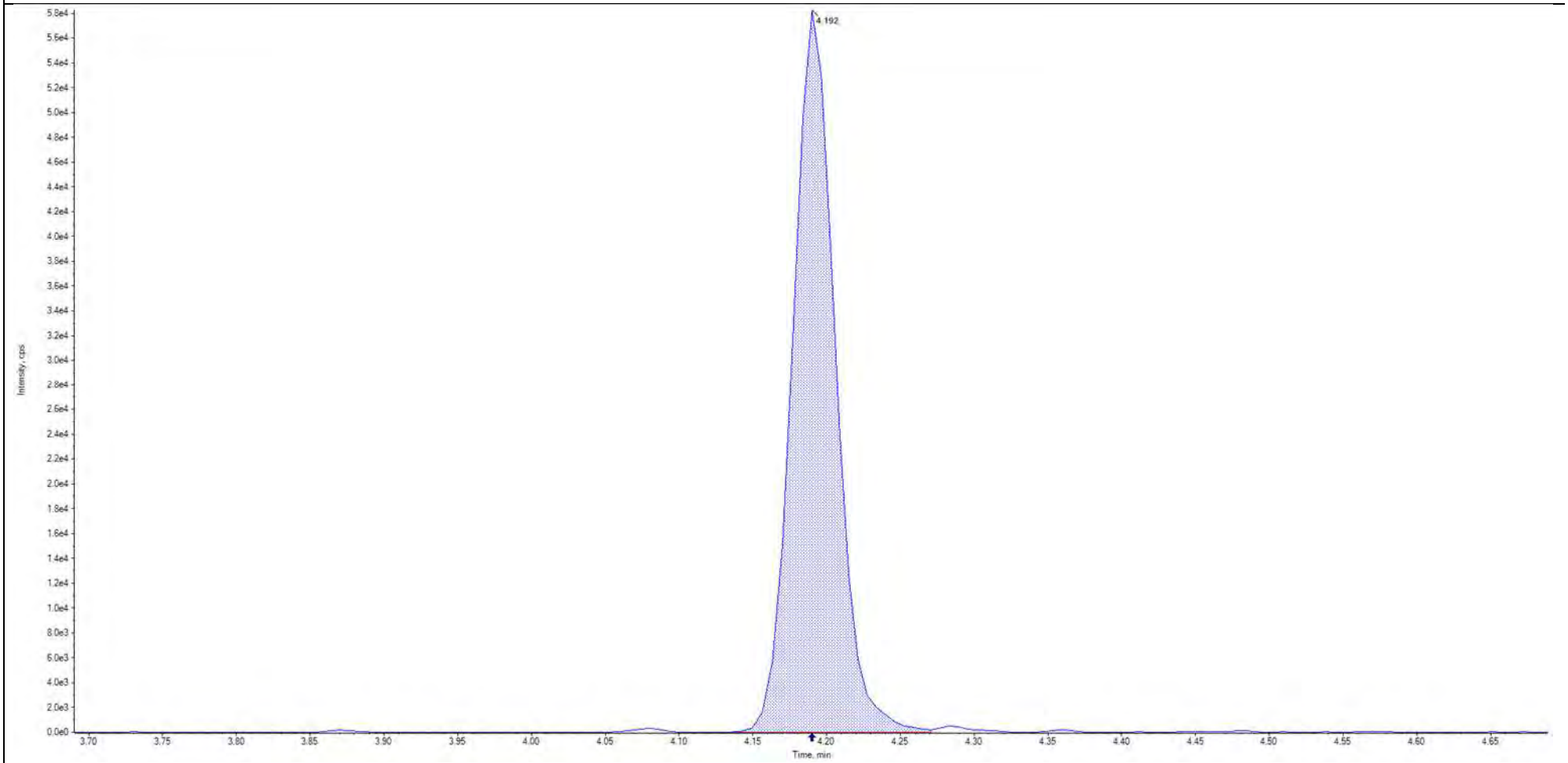
d5-NEtFOSA
Sample: WG2035972-3,BSICS



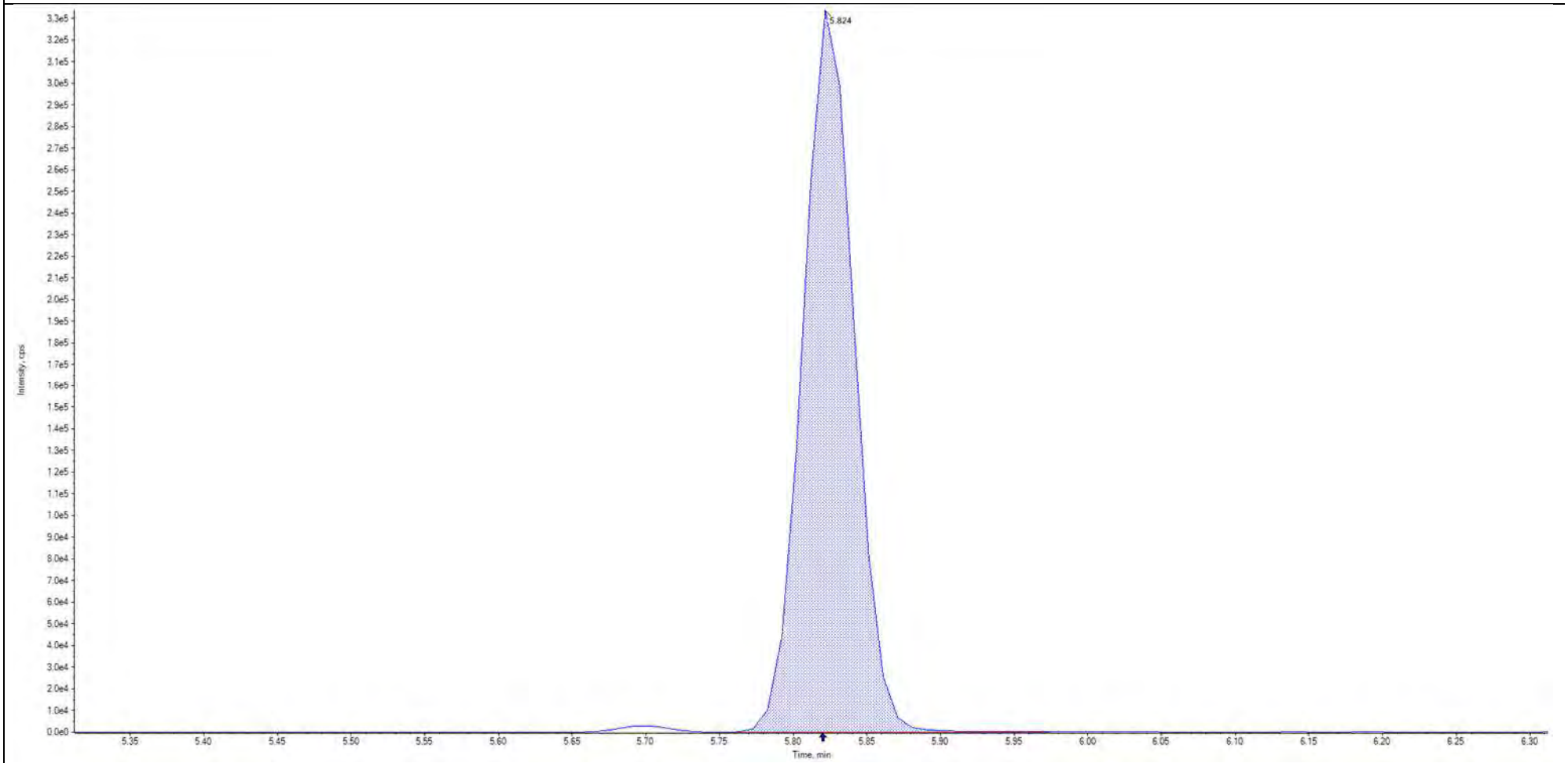
d3-NMeFOSAA
Sample: WG2035972-3,BSICS



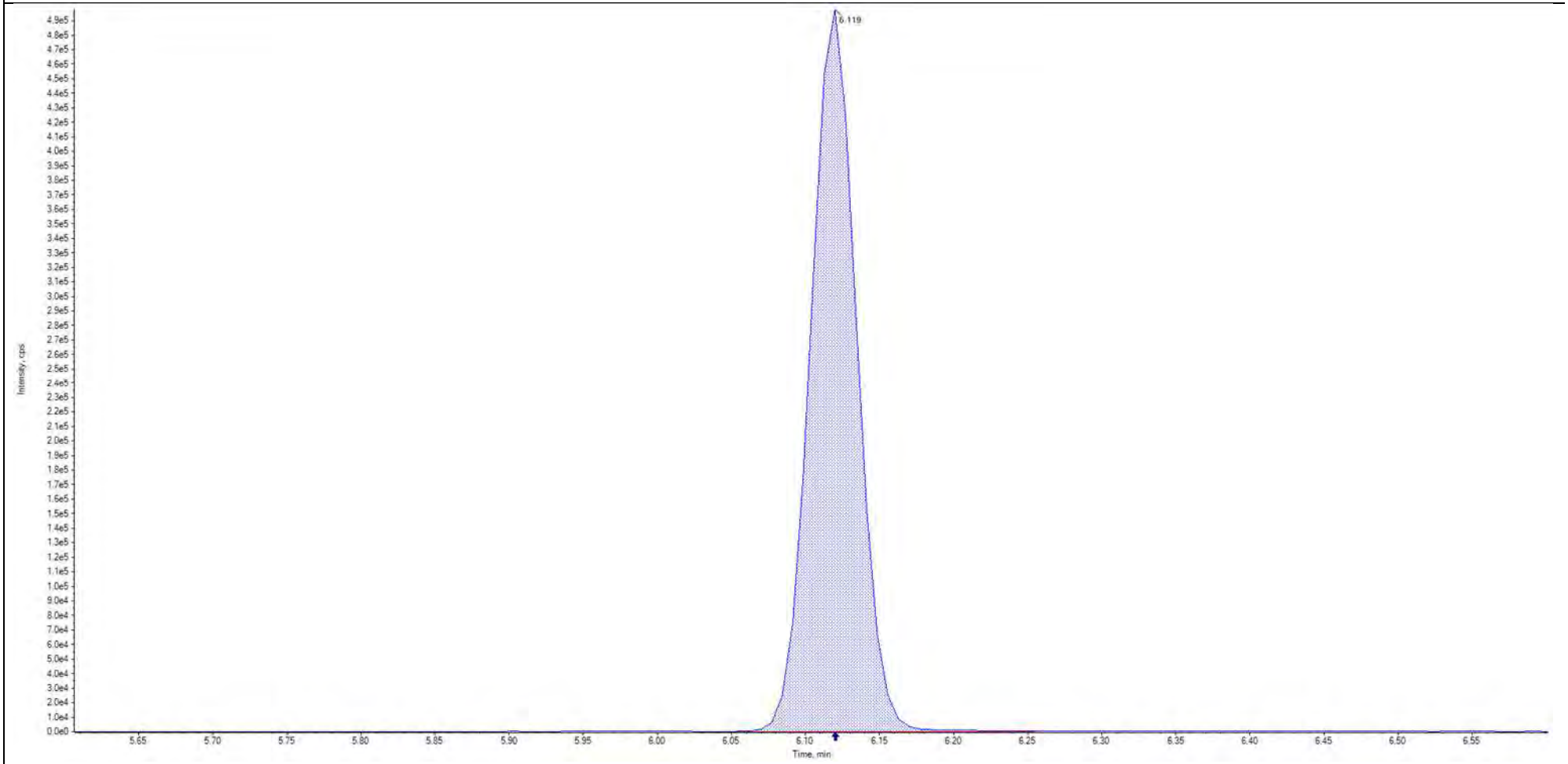
d5-NEtFOSAA
Sample: WG2035972-3,BSICS



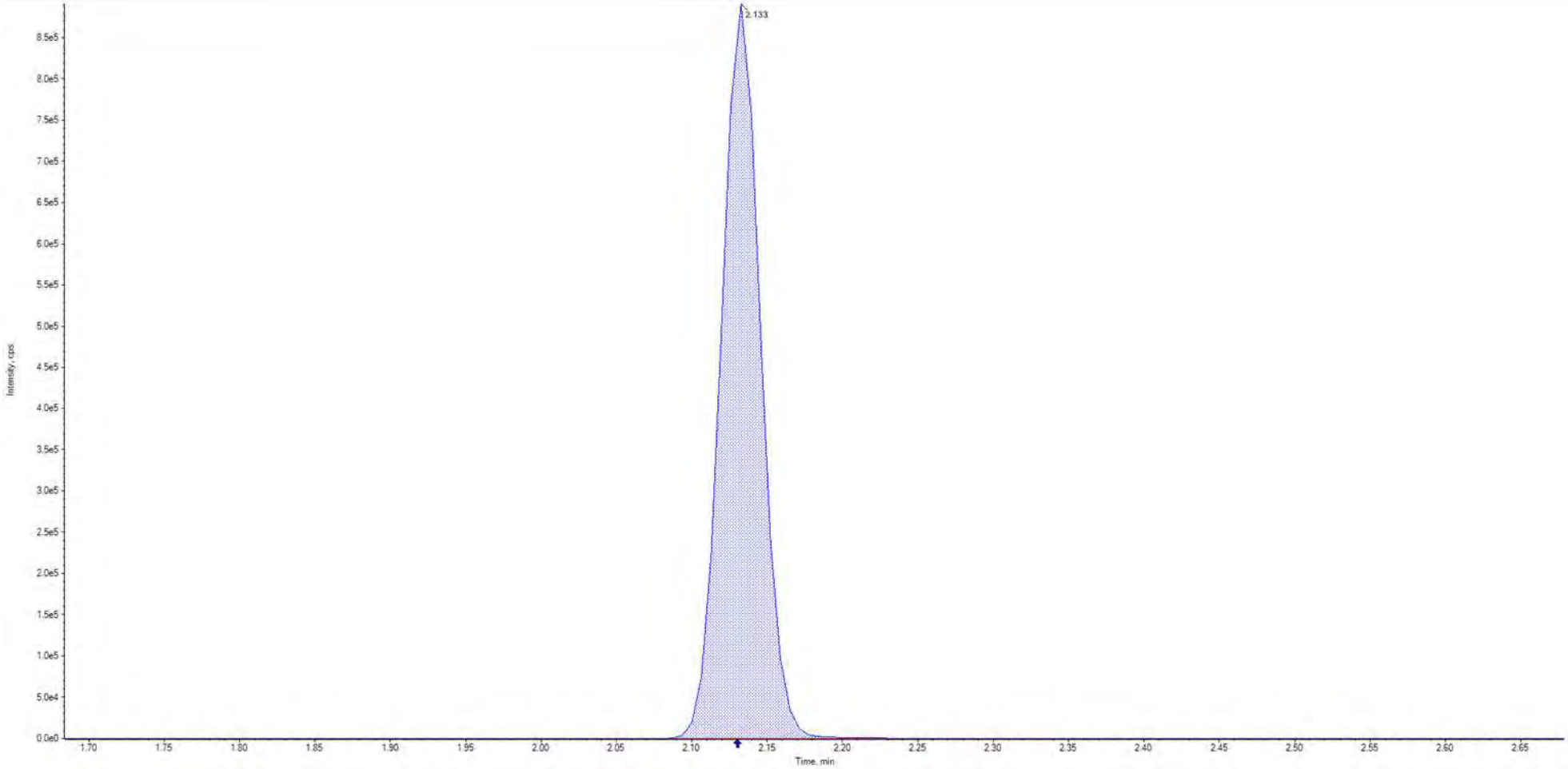
d7-NMeFOSE
Sample: WG2035972-3,BSICS



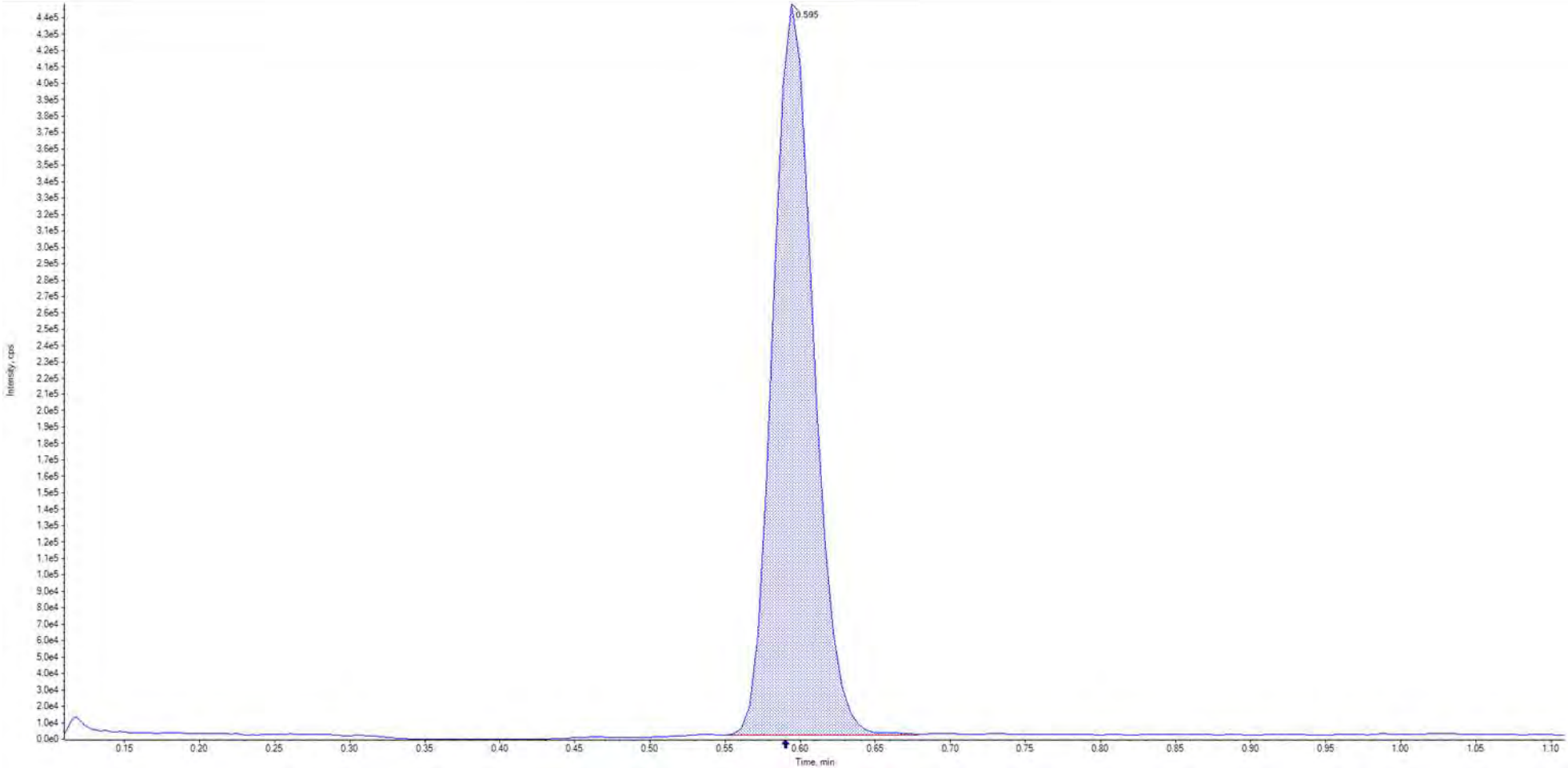
d9-NEtFOSE
Sample: WG2035972-3,BSICS



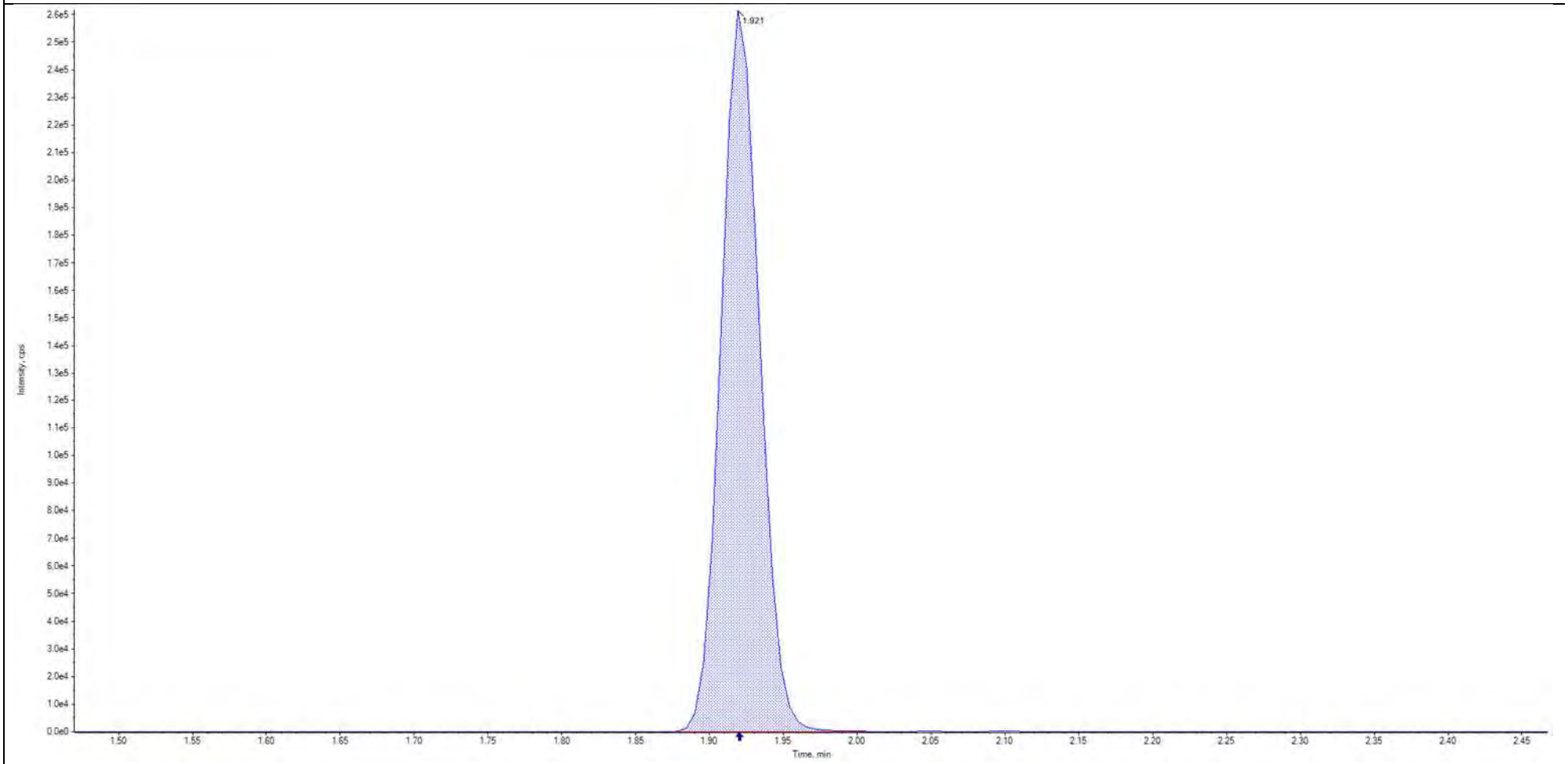
13C3-HFPO-DA
Sample: WG2035972-3,BSICS



13C3-PFBA
Sample: WG2035972-3,BSICS

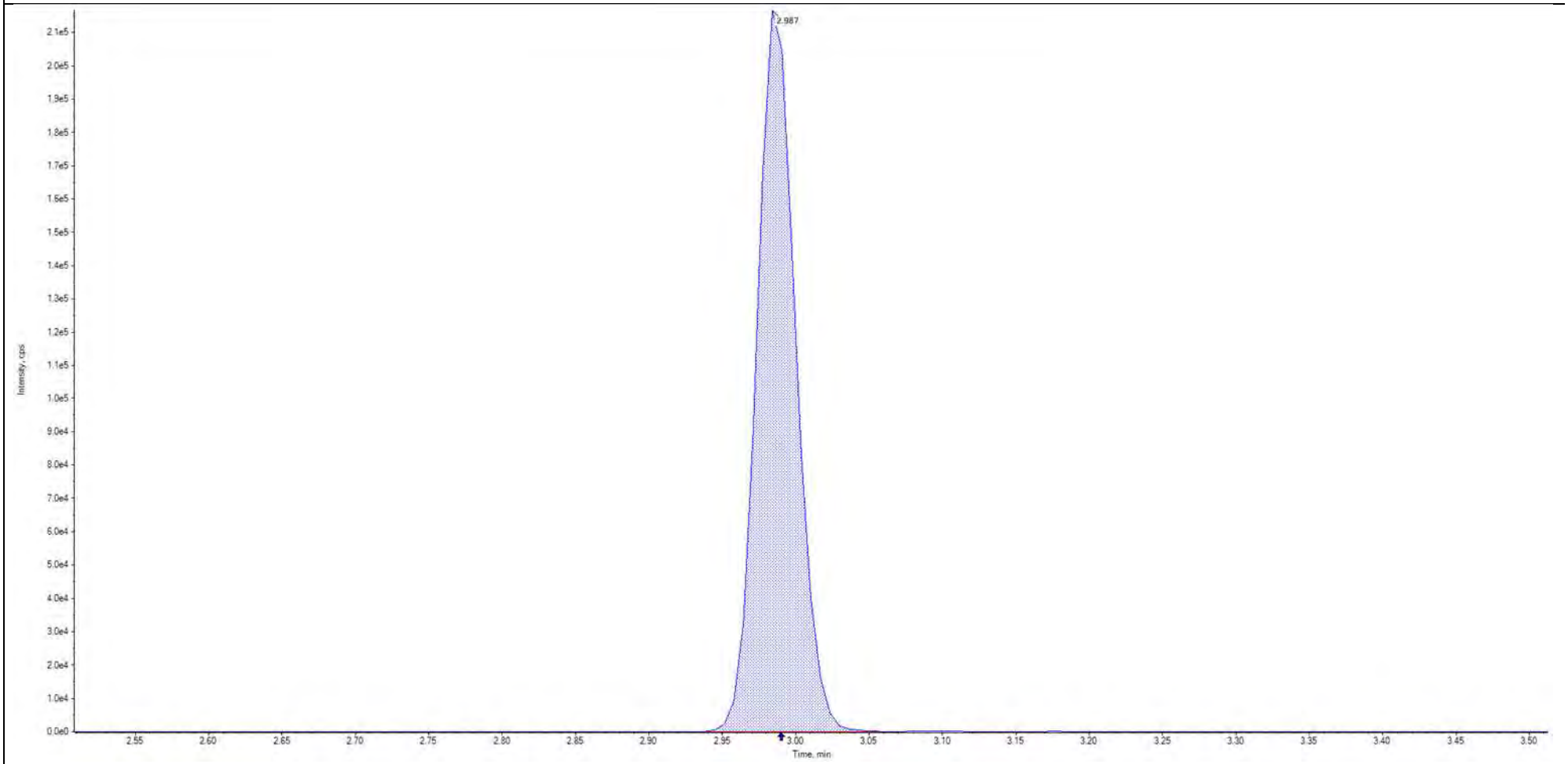


13C2-PFHxA
Sample: WG2035972-3,BSICS



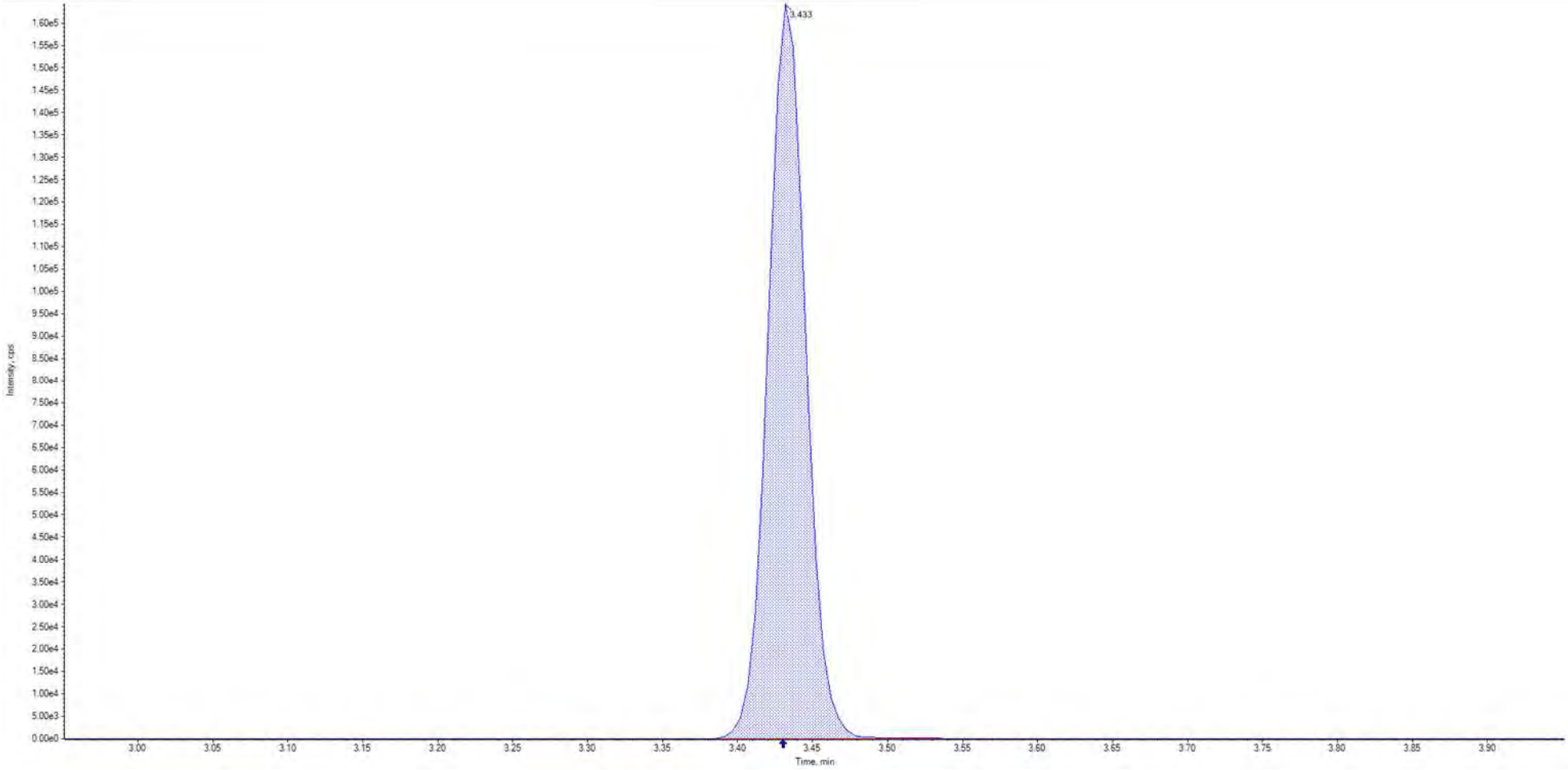
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_4
Last Altered: 3/4/2025 6:39:09 AM
Generated: 3/4/2025 5:58:35 AM

13C4-PFOA
Sample: WG2035972-3,BSICS

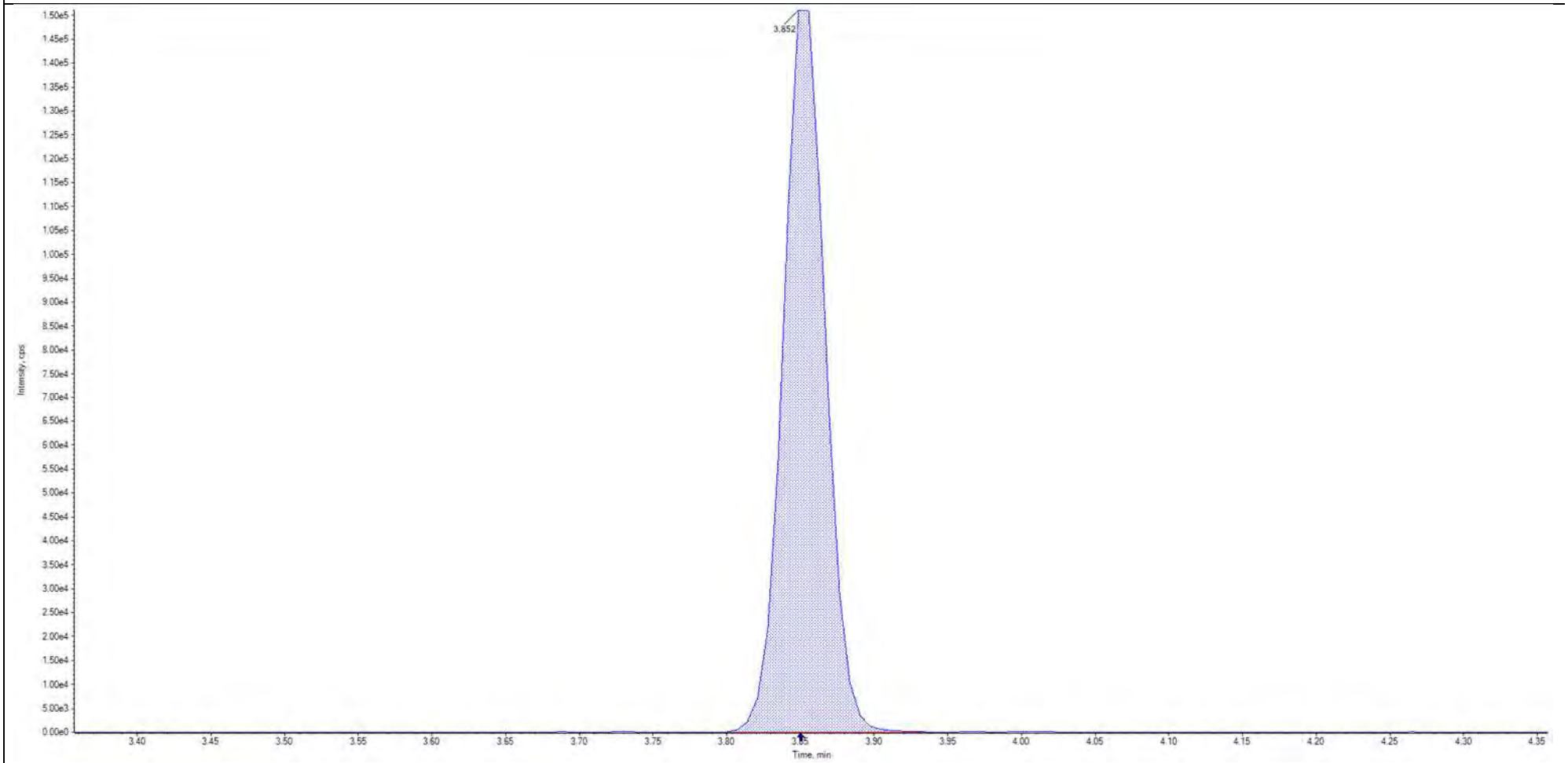


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_4
Last Altered: 3/4/2025 6:39:09 AM
Generated: 3/4/2025 5:58:35 AM

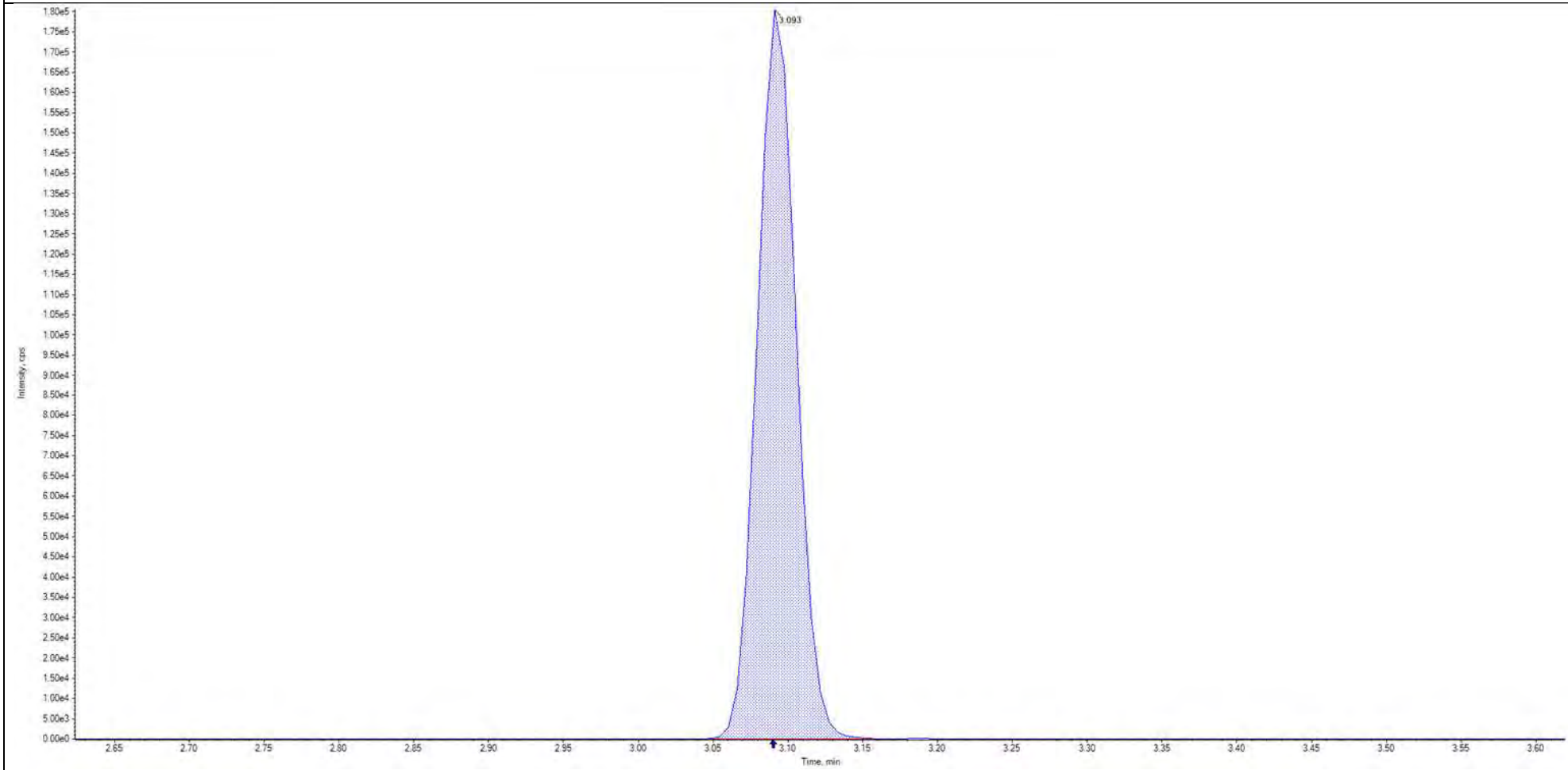
13C5-PFNA
Sample: WG2035972-3,BSICS



13C2-PFDA
Sample: WG2035972-3,BSICS

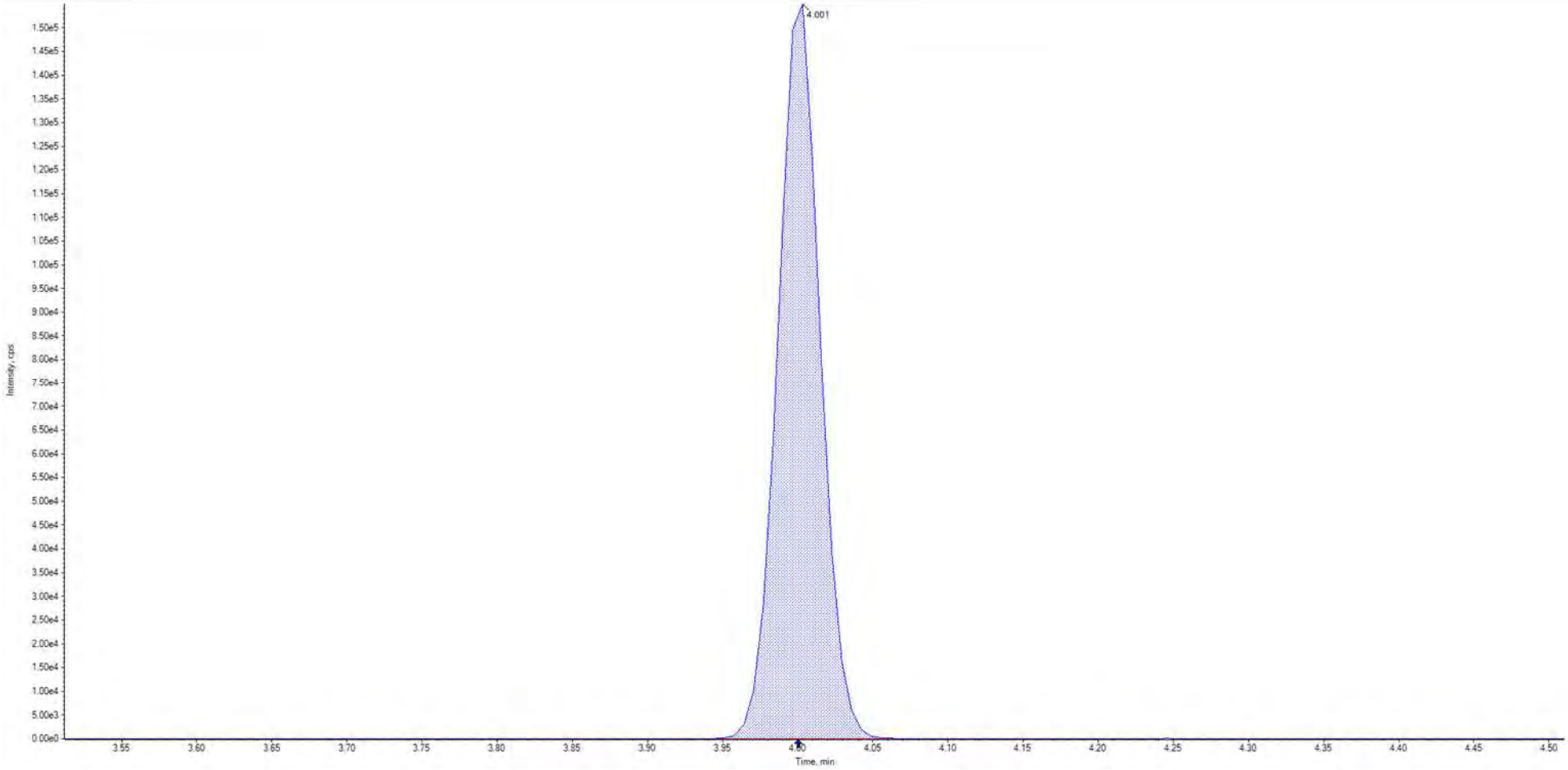


18O2-PFHxS
Sample: WG2035972-3,BSICS



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_4
Last Altered: 3/4/2025 6:39:09 AM
Generated: 3/4/2025 5:58:35 AM

13C4-PFOS
Sample: WG2035972-3,BSICS



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_26.wiff2_4
Last Altered: 3/4/2025 6:39:09 AM
Generated: 3/4/2025 5:58:35 AM

| | WG2035792 | | | LCMS09 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | ICAL22044 | Cal STD | | LCMS250212U | LCMS250213AJ | ECRD250228 | EPA1633_240226_TOP | EPA_250120_TDCA | |
| | Cal Level | LCMS241021AAO | Serial Dilution | EIS µL | NIS µL | Blank µL | TOP Surr | TDCA | Final Vol µL |
| * | IA1633STD-.1 | 0 | 40 µl IA1633STD-2.5 | 5 | 5 | 980 | 5 | 5 | 1000 |
| * | IA1633STD-.2 | 0 | 80 µl IA1633STD-2.5 | 5 | 5 | 985 | 5 | | 1000 |
| * | IA1633STD-.5 | 0 | 100 µl IA1633STD-5 | 5 | 5 | 985 | 5 | | 1000 |
| | IA1633STD-2.5 | 10 | | 5 | 5 | 975 | 5 | | 1000 |
| | IA1633STD-5 | 20 | | 5 | 5 | 960 | 5 | 5 | 1000 |
| | IA1633STD-12.5 | 50 | | 5 | 5 | 935 | 5 | | 1000 |
| | IA1633STD-25 | 100 | | 5 | 5 | 885 | 5 | | 1000 |
| | IA1633STD-50 | 200 | | 5 | 5 | 785 | 5 | | 1000 |
| | IA1633STD-62.5 | 250 | | 5 | 5 | 730 | 5 | 5 | 1000 |
| | CA1633STD-10 | 5 µl LCMS241030C | | 5 | 5 | 980 | 5 | | 1000 |
| | Prepared: | JW 2/28/2025, L2 and L5 on 3/3/2025 | | | | | | | |

# ABSOLUTE STANDARDS, INC.

ISO - 17034

## Certificate of Analysis

### Certified Reference Material (CRM)

LCMS24 1030 C-D
15 10/30/24

**Conformance**: The "Certificate of Analysis" is applicable for CRM's, fulfilling the requirements in the current version of: ISO 17034.

**Health & Safety**: See the attached SDS & Certified Weight Report before use.

**Intended Use**: This Certified Reference Material (CRM) is intended primarily for use in the characterization of unknowns and the establishment of analyzer or instrument response factors by qualified personnel. Typical instrumental organic assays include: GC & LC, and inorganic assays include: ICP & AA. This product is for laboratory use only.

**Characterization Values**: In production, gravimetric/volumetric readings are certified to be within +/- 0.5% of the stated value & are valid between 18 °C & 30 °C. The measured characterization of uncertainty can be found on the Certified Weight Report. All product weighings are performed on an analytical balance that is calibrated to NIST Traceable standard weights & certified by the manufacturer. The volumetric glassware used is Class "A" type & conforms to ASTM E-288 unless otherwise stated. The solvents & compounds used are of the highest practical purity & typically meet or exceed ACS Reagent Grade & ACS Standards Grade specifications. The expanded uncertainty field on Certified Wt. Report represents CRM uncertainty as described in ISO 17034.

**Homogeneity:** Uncertainties that are due to the analytical procedure(s) are within +/-5% unless specifically stated on the Certified Wt. Report.

**Verification:** Uncertainties that are due to the analytical procedure(s) are within +/-5% unless specifically stated on the Certified Wt. Report.

**Stability:** Uncertainties for short-term stability are determined in accordance with ISO 17034. Long-term stability is determined in accordance with ISO 17034. The shelf life is limited by the stated expiration for each product. Expiration dates and additional technical information can be found on the Certified Weight Report and on the product label.

**Uncertainty**: $U_{CRM}$ is the expanded uncertainty which utilizes a K = 2 (coverage factor of 2), in accordance with ISO 17034 as listed above (Characterization, Homogeneity, Verification, and Stability).

**Purity & Identity**: Organic solutions are typically formulated from neat materials whose purity & identity have been characterized by GC-MSD & LC-PDA techniques with comparison to a NIST Traceable library of mass spectra when available. Additional characterization techniques may include but are not limited to: refractive index measurements of liquids, melting point measurements of solids, & GC-FID, ECD, PID, ELCD, LC-PDA measurements for purity. Inorganic solutions & neats are typically formulated from materials whose purity & identity have been characterized by ICPMS with comparison to a NIST SRM® when available. Additional characterization techniques may include but are not limited to: titrimetry, and densitometry.

**Storage**: Sealed ampules and other containers should be stored in the dark and at temperatures indicated on the Certified Weight Report or product label. Certification by Absolute Standards, Inc. is typically valid for 3 years from the date of manufacture. Each product will show its own expiration date as the limit of certification. Certified values are not applicable to opened ampules or for any materials stored in re-sealable containers. Please see the "Certified Weight Report" for specific values and any exceptions.

**Usage**: Ampules & bottles should be brought to room temperature (18 to 30 °C) before opening. Sonication may be required for high concentration solutions or solutions that may precipitate during storage. After opening, care should be exercised to avoid concentration changes owing to evaporation of the solvent or essential components. We recommend that a suitable re-sealable container be available before opening an ampule to decant the standard for short-term storage and use.

**Minimum Sample Size**: 0.5 uL for analytical applications.

**Legal Notice**: Warranty of products are as described when shipped. No warranty as to fitness for any particular application is expressed or implied. Errant shipments and/or quality claims must be made within 10 days of receipt. Liability is limited solely to the replacement of the product or refund of purchase price.

**Certifying Officer**: Stephen J. Arpie, M.S., Director General



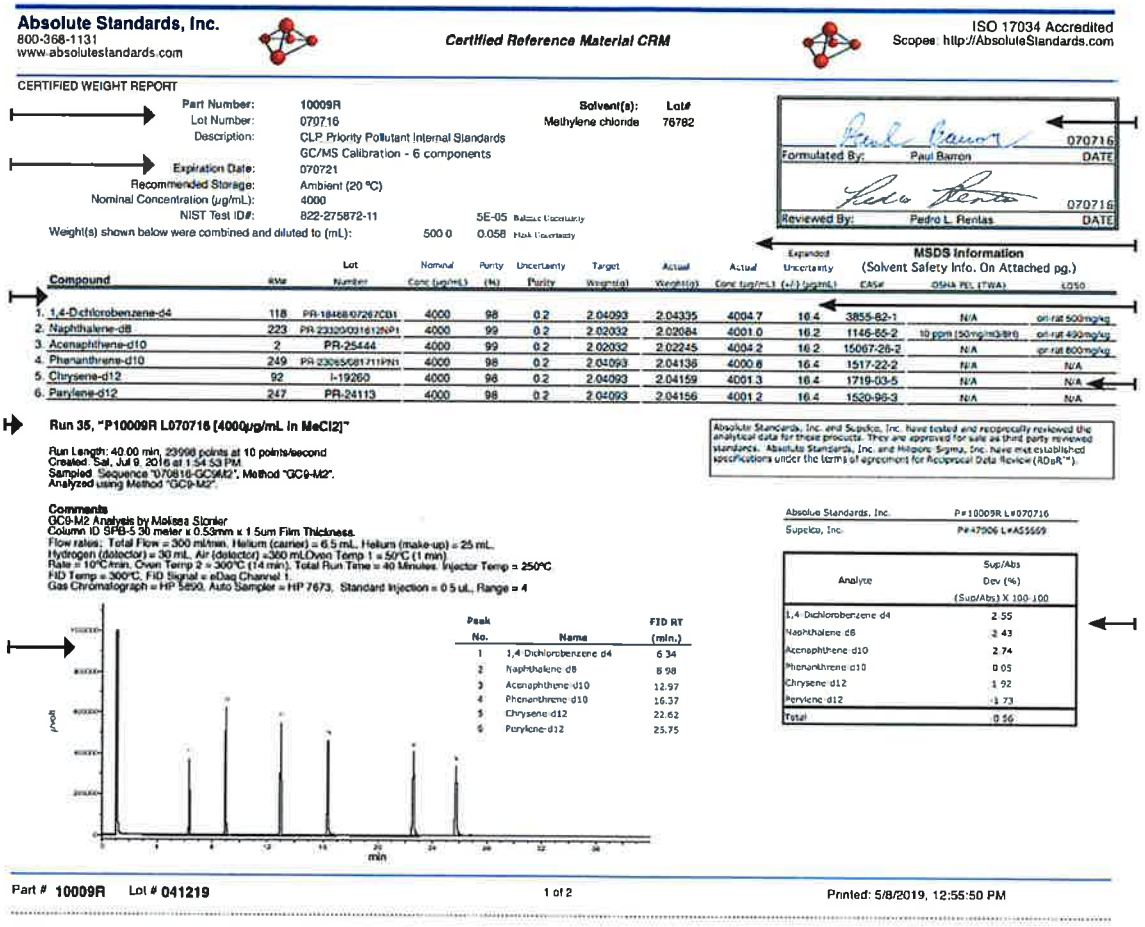
Absolute Standards, Inc. • 44 Rossotto Drive • Hamden, CT 06514
Voice: 800-368-1131 • Fax: 800-410-2577 • eMail: StephenArpie@AbsoluteStandards.com
Document Identification: Certificate of Analysis Rev 14, Date Issued: 05/30/2019

# ABSOLUTE STANDARDS, INC.

## ISO - 17034

## Understanding the Certified Weight Report

Each Certified Reference Material (CRM) is supported by a Certified Weight Report. Assigned values for concentrations and associated uncertainties are based upon NIST traceable masses & volumes used in production.



**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

*Certified Reference Material CRM*

ISO 17034 Accredited
Scopes: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

Part Number: 10009R
Lot Number: 070716
Description: CLP Priority Pollutant Internal Standards GC/MS Calibration - 6 components
Expiration Date: 070721
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 4000
NIST Test ID#: 822-275872-11

Solvent(s): Methylene chloride
Lot#: 76782

Formulated By: Paul Barron 070716 DATE
Reviewed By: Pedro L. Rentas 070716 DATE

Weight(s) shown below were combined and diluted to (mL): 500.0 (5E-05 Balance Uncertainty, 0.058 Flask Uncertainty)

MSDS Information (Solvent Safety Info. On Attached pg.)

| Compound | #Iso | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. 1,4-Dichlorobenzene-d4 | 118 | PR-18468-07267CB1 | 4000 | 98 | 0.2 | 2.04093 | 2.04335 | 4004.7 | 16.4 | 3855-82-1 | N/A | orl-rat 500mg/kg |
| 2. Naphthalene-d8 | 223 | PR-23320031612NP1 | 4000 | 99 | 0.2 | 2.02032 | 2.02084 | 4001.0 | 16.2 | 1146-65-2 | 10 ppm (50mg/m3-8H) | orl-rat 490mg/kg |
| 3. Acenaphthene-d10 | 2 | PR-25444 | 4000 | 99 | 0.2 | 2.02032 | 2.02245 | 4004.2 | 16.2 | 15067-26-2 | N/A | ipr-rat 800mg/kg |
| 4. Phenanthrene-d10 | 249 | PR-23055081711PN1 | 4000 | 98 | 0.2 | 2.04093 | 2.04138 | 4000.8 | 16.4 | 1517-22-2 | N/A | N/A |
| 5. Chrysene-d12 | 92 | I-19260 | 4000 | 98 | 0.2 | 2.04093 | 2.04159 | 4001.3 | 16.4 | 1719-03-5 | N/A | N/A |
| 6. Perylene-d12 | 247 | PR-24113 | 4000 | 98 | 0.2 | 2.04093 | 2.04156 | 4001.2 | 16.4 | 1520-96-3 | N/A | N/A |

Run 35, "P10009R L070716 [4000µg/mL in MeCl2]"

Run Length: 40.00 min, 23998 points at 10 points/second
Created: Sat, Jul 9, 2016 at 1:54:53 PM
Sampled Sequence "070816-GC9M2", Method "GC9-M2".
Analyzed using Method "GC9-M2".

Comments
GC9-M2 Analysis by Melissa Slonker
Column ID SPB-5 30 meter x 0.53mm x 1.5um Film Thickness.
Flow rates: Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL,
Hydrogen (detector) = 30 mL, Air (detector) =300 mLOven Temp 1 = 50°C (1 min)
Rate = 10°C/min, Oven Temp 2 = 300°C (14 min), Total Run Time = 40 Minutes. Injector Temp = 250°C
FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673. Standard Injection = 0.5 uL, Range = 4

| Peak No. | Name | FID RT (min.) |
|---|---|---|
| 1 | 1,4-Dichlorobenzene-d4 | 6.34 |
| 2 | Naphthalene-d8 | 8.98 |
| 3 | Acenaphthene-d10 | 12.97 |
| 4 | Phenanthrene-d10 | 16.37 |
| 5 | Chrysene-d12 | 22.62 |
| 6 | Perylene-d12 | 25.75 |

Absolute Standards, Inc. and Supelco, Inc. have tested and reciprocally reviewed the analytical data for these products. They are approved for sale as third party reviewed standards. Absolute Standards, Inc. and Millipore Sigma, Inc. have met established specifications under the terms of agreement for Reciprocal Data Review (RDaR™).

Absolute Standards, Inc. P#10009R L#070716
Supelco, Inc. P#47906 L#AS5669

| Analyte | Sup/Abs Dev (%) (Sup/Abs) X 100-100 |
|---|---|
| 1,4-Dichlorobenzene-d4 | 2.55 |
| Naphthalene-d8 | 2.43 |
| Acenaphthene-d10 | 2.74 |
| Phenanthrene-d10 | 0.05 |
| Chrysene-d12 | 1.92 |
| Perylene-d12 | -1.73 |
| Total | 0.56 |

Part # 10009R Lot # 041219 1 of 2 Printed: 5/8/2019, 12:55:50 PM

**Part #**
**Lot #**
**Shelf Life**
**Target Compounds**
**Method of Analysis**
**Qualitative Quantitative**
**Formulator Reviewer**
**Actual Concentration**
**Uncertainty Values**
**Health & Safety**
**3rd Party Comparison**

For More Information, Contact:

**StephenArpie@AbsoluteStandards.com**



Absolute Standards, Inc. • 44 Rossotto Drive • Hamden, CT 06514
Voice: 800-368-1131 • Fax: 800-410-2577 • eMail: StephenArpie@AbsoluteStandards.com
Document Identification: Certificate of Analysis Rev 14, Date Issued: 05/30/2019

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

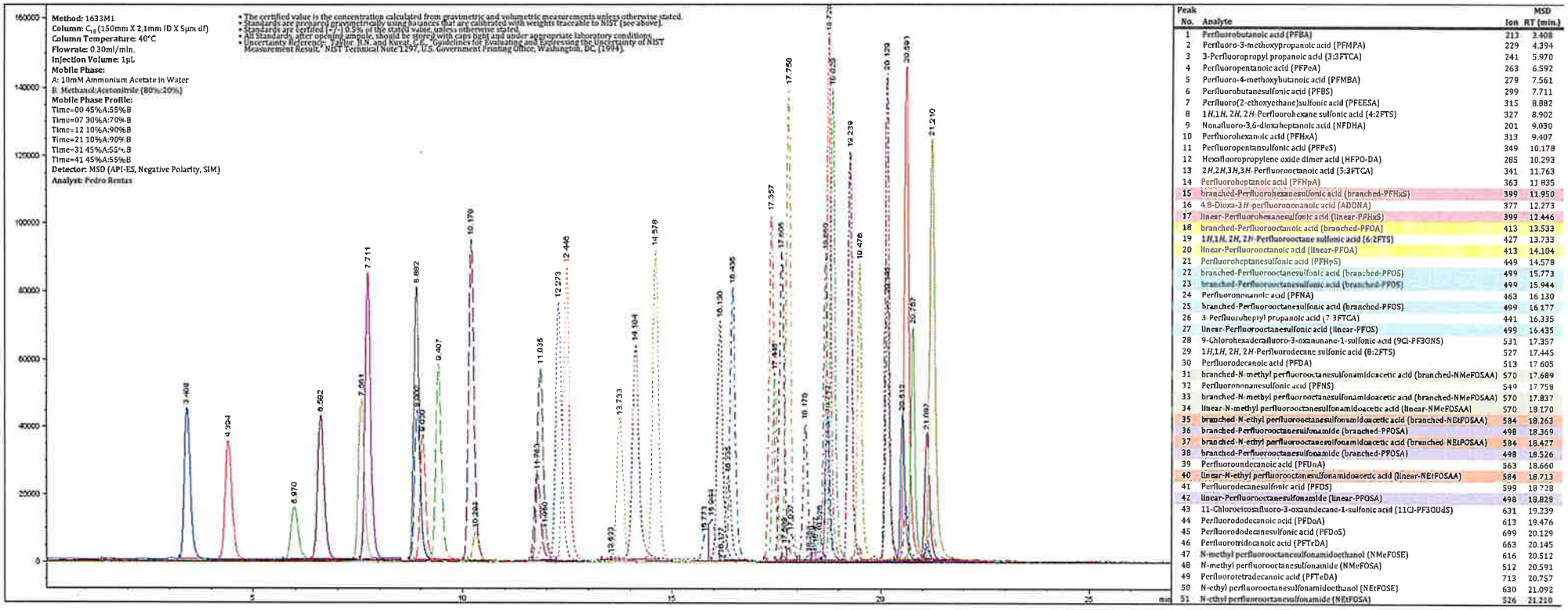
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

**Part Number:** 65735
**Lot Number:** 101024
**Description:** Method 1633 - PFCs - Calibration Standard
40 components
**Expiration Date:** 101025 **Solvent:** Methanol (1 mM KOH) **Lot#** 100924
**Recommended Storage:** Freezer (0 °C)
**Nominal Concentration (µg/mL):** 2
**NIST Test ID#:** 6UTB 5E-05 Balance Uncertainty
Volume(s) shown below were combined and diluted to (mL): 50 0 0 001 Flask Uncertainty

Formulated By: Prashant Chauhan 101024 DATE
Reviewed By: Pedro L. Rentas 101024 DATE

| Compound | Part Number | Lot Number | Purity (%) | Dilution Factor | Initial Vol. (mL) | Uncertainty Pipette (mL) | Initial Conc.(µg/mL) | Final Conc.(µg/mL) | Expanded Uncertainty (+/-) µg/mL | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Perfluoro-n-butanoic acid (PFBA) | 65946 | 102022 | 98 8 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 375-22-4 | N/A | N/A |
| 2. Perfluoro-n-pentanoic acid (PFPeA) | 65946 | 102022 | 98 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 2706-90-3 | N/A | N/A |
| 3. Perfluorohexanoic acid (PFHxA) | 65946 | 102022 | 98 4 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 307-24-4 | N/A | N/A |
| 4. Perfluoroheptanoic acid (PFHpA) | 65946 | 102022 | 99 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 375-85-9 | N/A | N/A |
| 5. Perfluorooctanoic acid (PFOA-branched) | 65946 | 102022 | 99.9 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 335-67-1 (L) | N/A | ipr-rat 189mg/kg |
| 6. Perfluorononanoic acid (PFNA) | 65946 | 102022 | 99.6 | 0.040 | 2.00 | 0.017 | 50.1 | 2.0 | 0.05 | 375-95-1 | N/A | N/A |
| 7. Perfluorodecanoic acid (PFDA) | 65946 | 102022 | 99.9 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 335-76-2 | N/A | orl-rat 57mg/kg |
| 8. Perfluoroundecanoic acid (PFUnA) | 65946 | 102022 | 99 2 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 2058-94-8 | N/A | N/A |
| 9. Tricosafluorododecanoic acid | 65946 | 102022 | 100 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 307-55-1 | N/A | N/A |
| 10. Perfluorotridecanoic acid (PFTrDA) | 65946 | 102022 | 98.5 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 72629-94-8 | N/A | N/A |
| 11. Perfluorotetradecanoic acid (PFTeDA) | 65946 | 102022 | 98 5 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 376-06-7 | N/A | N/A |
| 12. Perfluoro-1-butanesulfonic acid (PFBS) | 65946 | 102022 | 99 | 0.040 | 2.00 | 0.017 | 50.1 | 2.0 | 0.05 | 375-73-5 | N/A | N/A |
| 13. Perfluoro-1-pentanesulfonic acid (PFPeS) | 65946 | 102022 | 99 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 2706-91-4 | N/A | N/A |
| 14. Perfluorohexane-1-sulfonic acid (linear & branched) (PFHxS) | 65946 | 102022 | 99 | 0.040 | 2.00 | 0.017 | 50.1 | 2.0 | 0.05 | 355-46-4 (L) | N/A | N/A |
| 15. Perfluorooctanesulfonic acid (br-PFOS) | 65946 | 102022 | 99 | 0.040 | 2.00 | 0.017 | 50.1 | 2.0 | 0.05 | 1763-23-1 (L) | N/A | N/A |
| 16. 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4 2 FTS) | 65946 | 102022 | 99 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 757124-72-4 | N/A | N/A |
| 17. 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6 2 FTS) | 65946 | 102022 | 99 | 0.040 | 2.00 | 0.017 | 50.1 | 2.0 | 0.05 | 27619-97-2 | N/A | N/A |
| 18. Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA) | 65946 | 102022 | 99 | 0.040 | 2.00 | 0.017 | 50.1 | 2.0 | 0.05 | 113507-82-7 | N/A | N/A |
| 19. Perfluoro-4-oxapentanoic acid (PF4OPeA, PFMPA) | 65946 | 102022 | 99 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 377-73-1 | N/A | N/A |
| 20. Perfluoro-5-oxahexanoic acid (PF5OHxA; PFMBA) | 65946 | 102022 | 99 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 863090-89-5 | N/A | N/A |
| 21. 2-(Heptafluoropropoxy)-2,3,3,3-tetrafluoropropionic acid (HFPO-DA) | 65946 | 102022 | 98 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.05 | 13252-13-6 | N/A | N/A |
| 22. 2H,2H,3H,3H-Perfluorohexanoic acid (3 3 FTCA) | 65738 | 101024 | 99 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.04 | 356-02-5 | N/A | N/A |
| 23. 2H,2H,3H,3H-Perfluorooctanoic acid (5 3 FTCA) | 65739 | 101024 | 99 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.04 | 914637-49-3 | N/A | N/A |
| 24. 2H,2H,3H,3H-Perfluorodecanoic acid (7 3 FTCA) | 65740 | 101024 | 99 | 0.040 | 2.00 | 0.017 | 50.1 | 2.0 | 0.04 | 812-70-4 | N/A | N/A |
| 25. Perfluoro-1-heptanesulfonic acid (PFHpS) | 65942 | 101722 | 99 | 0.040 | 2.00 | 0.017 | 50.0 | 2.0 | 0.03 | 375-92-8 | N/A | N/A |
| 26. Perfluoro-1-nonanesulfonic acid (PFNS) | 3957 | LPFNS0724 | 98 | 0.042 | 2.10 | 0.017 | 48.0 | 2.0 | 0.11 | 68259-12-1 | N/A | N/A |
| 27. Perfluoro-1-decanesulfonic acid (PFDS) | 67399 | 062524 | 100 | 0.040 | 2.00 | 0.017 | 50.5 | 2.0 | 0.10 | 335-77-3 | N/A | N/A |
| 28. 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8 2 FTS) | 67398 | 071824 | 100 | 0.040 | 2.00 | 0.017 | 50.5 | 2.0 | 0.10 | 39108-34-4 FA | N/A | N/A |
| 29. Perfluoro-1-dodecanesulfonic acid (PFDoS) | 4436 | LPFDoS0624 | 98 | 0.041 | 2.04 | 0.017 | 48.4 | 2.0 | 0.10 | 79780-39-5 | N/A | N/A |
| 30. N-Methylperfluoro-1-octanesulfonamide (N-MeFOSA) | 3666 | NMeFOSA0723M | 98 | 0.040 | 2.00 | 0.017 | 50.0 | 2.0 | 0.11 | 31506-32-8 | N/A | N/A |
| 31. N-Ethylperfluoro-1-octanesulfonamide (N-EtFOSA) | 3663 | NEtFOSA0923M | 98 | 0.040 | 2.00 | 0.017 | 50.0 | 2.0 | 0.11 | 4151-50-2 | N/A | N/A |
| 32. N-Ethylperfluorooctanesulfonamidoacetic acid (br-NEtFOSAA)* | 65806 | 052324 | 100 | 0.040 | 2.00 | 0.017 | 50.2 | 2.0 | 0.10 | 2991-50-6 (L) | N/A | N/A |
| 33. N-Methylperfluorooctanesulfonamidoacetic acid (br-NMeFOSAA)* | 4162 | brNMeFOSAA0124 | 98 | 0.040 | 2.00 | 0.017 | 50.0 | 2.0 | 0.03 | 2355-31-9 (L) | N/A | N/A |
| 34. 2-(N-Methylperfluoro-1-octanesulfonamido)-ethanol (N-MeFOSE) | 3668 | NMeFOSE1232M | 98 | 0.040 | 2.00 | 0.017 | 50.0 | 2.0 | 0.11 | 24448-09-7 | N/A | N/A |
| 35. 2-(N-Ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE) | 3665 | NEtFOSE1123M | 98 | 0.040 | 2.00 | 0.017 | 50.0 | 2.0 | 0.11 | 1691-99-2 | N/A | N/A |
| 36. Perfluorooctanesulfonamide (br-FOSA)* | 65633 | 071124 | 99 | 0.040 | 2.00 | 0.017 | 50.1 | 2.0 | 0.04 | 754-91-6 (L) | N/A | N/A |
| 37. Perfluoro-3,6-dioxaheptanoic acid (NFDHA) | 65795 | 051922 | 99 | 0.040 | 2.00 | 0.017 | 50.1 | 2.0 | 0.11 | 151772-58-6 | N/A | N/A |
| 38. Dodecafluoro-3H-4,8-dioxanonanoic acid (ADONA) | 4103 | NaDONA0324 | 98 | 0.042 | 2.10 | 0.017 | 47.1 | 2.0 | 0.11 | 919005-14-4 FA | N/A | N/A |
| 39. 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | 4164 | 9ClPF3ONS0524 | 98 | 0.042 | 2.10 | 0.017 | 46.6 | 2.0 | 0.10 | 756426-58-1 | N/A | N/A |
| 40. 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | 4165 | 11ClPF3OUdS0424 | 98 | 0.042 | 2.10 | 0.017 | 47.1 | 2.0 | 0.11 | 763051-92-9 | N/A | N/A |
| Perfluorooctanoic acid (linear)* | 65946 | 102022 | | 0.040 | 2.00 | 0.017 | 44.3 | 1.77 | 0.030 | 335-67-1 (L) | N/A | ipr-rat 189mg/kg |
| Perfluorooctanoic acid (branched isomer)* | 65946 | 102022 | | 0.040 | 2.00 | 0.017 | 5.9 | 0.24 | 0.0040 | 90480-55-0 (br) | N/A | ipr-rat 189mg/kg |
| Perfluorohexanesulfonic acid (linear)* | 65946 | 102022 | | 0.040 | 2.00 | 0.017 | 49.2 | 1.97 | 0.03 | 355-46-4 (L) | N/A | N/A |
| Perfluorohexanesulfonic acid (branched isomer)* | 65946 | 102022 | | 0.040 | 2.00 | 0.017 | 1.0 | 0.04 | 0.0006 | 3871-99-6 (br) | N/A | N/A |
| Heptadecafluorooctanesulfonic acid (linear)* | 65946 | 102022 | | 0.040 | 2.00 | 0.017 | 38.7 | 1.55 | 0.03 | 1763-23-1 (L) | N/A | N/A |
| Heptadecafluorooctanesulfonic acid (branched isomer)* | 65946 | 102022 | | 0.040 | 2.00 | 0.017 | 4.6 | 0.18 | 0.003 | N/A | N/A | N/A |
| Heptadecafluorooctanesulfonic acid (branched isomer)* | 65946 | 102022 | | 0.040 | 2.00 | 0.017 | 6.3 | 0.25 | 0.004 | N/A | N/A | N/A |
| Heptadecafluorooctanesulfonic acid (branched isomer)* | 65946 | 102022 | | 0.040 | 2.00 | 0.017 | 0.5 | 0.02 | 0.0003 | N/A | N/A | N/A |
| N-Ethylperfluoro-1-octanesulfonamidoacetic acid (linear)* | 65806 | 052324 | | 0.040 | 2.00 | 0.017 | 43.4 | 1.73 | 0.03 | 2991-50-6 (L) | N/A | N/A |
| N-Ethylperfluoro-1-octanesulfonamidoacetic acid (branched)* | 65806 | 052324 | | 0.040 | 2.00 | 0.017 | 4.7 | 0.19 | 0.003 | N/A | N/A | N/A |
| N-Ethylperfluoro-1-octanesulfonamidoacetic acid (branched)* | 65806 | 052324 | | 0.040 | 2.00 | 0.017 | 2.1 | 0.08 | 0.001 | N/A | N/A | N/A |
| N-Methylperfluoro-1-octanesulfonamidoacetic acid (linear)* | 4162 | brNMeFOSAA0124 | | 0.040 | 2.00 | 0.017 | 38.3 | 1.53 | 0.03 | 2355-31-9 (L) | N/A | N/A |
| N-Methylperfluoro-1-octanesulfonamidoacetic acid (branched)* | 4162 | brNMeFOSAA0124 | | 0.040 | 2.00 | 0.017 | 8.1 | 0.32 | 0.005 | N/A | N/A | N/A |
| N-Methylperfluoro-1-octanesulfonamidoacetic acid (branched)* | 4162 | brNMeFOSAA0124 | | 0.040 | 2.00 | 0.017 | 3.7 | 0.15 | 0.003 | N/A | N/A | N/A |
| Perfluorooctanesulfonamide (linear)* | 65633 | 110422 | | 0.040 | 2.00 | 0.017 | 46.8 | 1.87 | 0.03 | 754-91-6 (L) | N/A | N/A |
| Perfluorooctanesulfonamide (branched)* | 65633 | 110422 | | 0.040 | 2.00 | 0.017 | 2.8 | 0.11 | 0.002 | N/A | N/A | N/A |
| Perfluorooctanesulfonamide (branched)* | 65633 | 110422 | | 0.042 | 2.10 | 0.017 | 0.5 | 0.02 | 0.0003 | N/A | N/A | N/A |




| Peak No. | Analyte | Ion | MSD RT (min.) |
|---|---|---|---|
| 1 | Perfluorobutanoic acid (PFBA) | 213 | 3.408 |
| 2 | Perfluoro-3-methoxypropanoic acid (PFMPA) | 229 | 4.394 |
| 3 | 3-Perfluoropropyl propanoic acid (3:3FTCA) | 241 | 5.970 |
| 4 | Perfluoropentanoic acid (PFPeA) | 263 | 6.592 |
| 5 | Perfluoro-4-methoxybutanoic acid (PFMBA) | 279 | 7.561 |
| 6 | Perfluorobutanesulfonic acid (PFBS) | 299 | 7.711 |
| 7 | Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA) | 315 | 8.882 |
| 8 | 1*H*,1*H*, 2*H*, 2*H*-Perfluorohexane sulfonic acid (4:2FTS) | 327 | 8.902 |
| 9 | Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | 201 | 9.030 |
| 10 | Perfluorohexanoic acid (PFHxA) | 313 | 9.407 |
| 11 | Perfluoropentansulfonic acid (PFPeS) | 349 | 10.178 |
| 12 | Hexafluoropropylene oxide dimer acid (HFPO-DA) | 285 | 10.293 |
| 13 | 2*H*,2*H*,3*H*,3*H*-Perfluorooctanoic acid (5:3FTCA) | 341 | 11.763 |
| 14 | Perfluoroheptanoic acid (PFHpA) | 363 | 11.835 |
| 15 | branched-Perfluorohexanesulfonic acid (branched-PFHxS) | 399 | 11.950 |
| 16 | 4,8-Dioxa-3*H*-perfluorononanoic acid (ADONA) | 377 | 12.273 |
| 17 | linear-Perfluorohexanesulfonic acid (linear-PFHxS) | 399 | 12.446 |
| 18 | branched-Perfluorooctanoic acid (branched-PFOA) | 413 | 13.533 |
| 19 | 1*H*,1*H*, 2*H*, 2*H*-Perfluorooctane sulfonic acid (6:2FTS) | 427 | 13.733 |
| 20 | linear-Perfluorooctanoic acid (linear-PFOA) | 413 | 14.104 |
| 21 | Perfluoroheptanesulfonic acid (PFHpS) | 449 | 14.578 |
| 22 | branched-Perfluorooctanesulfonic acid (branched-PFOS) | 499 | 15.773 |
| 23 | branched-Perfluorooctanesulfonic acid (branched-PFOS) | 499 | 15.944 |
| 24 | Perfluorononanoic acid (PFNA) | 463 | 16.130 |
| 25 | branched-Perfluorooctanesulfonic acid (branched-PFOS) | 499 | 16.177 |
| 26 | 3-Perfluoroheptyl propanoic acid (7:3FTCA) | 441 | 16.335 |
| 27 | linear-Perfluorooctanesulfonic acid (linear-PFOS) | 499 | 16.435 |
| 28 | 9-Chlorohexadecafluoro-3-oxanunane-1-sulfonic acid (9Cl-PF3ONS) | 531 | 17.357 |
| 29 | 1*H*,1*H*, 2*H*, 2*H*-Perfluorodecane sulfonic acid (8:2FTS) | 527 | 17.445 |
| 30 | Perfluorodecanoic acid (PFDA) | 513 | 17.605 |
| 31 | branched-N-methyl perfluorooctanesulfonamidoacetic acid (branched-NMeFOSAA) | 570 | 17.689 |
| 32 | Perfluorononanesulfonic acid (PFNS) | 549 | 17.758 |
| 33 | branched-N-methyl perfluorooctanesulfonamidoacetic acid (branched-NMeFOSAA) | 570 | 17.837 |
| 34 | linear-N-methyl perfluorooctanesulfonamidoacetic acid (linear-NMeFOSAA) | 570 | 18.170 |
| 35 | branched-N-ethyl perfluorooctanesulfonamidoacetic acid (branched-NEtFOSAA) | 584 | 18.263 |
| 36 | branched-Perfluorooctanesulfonamide (branched-PFOSA) | 498 | 18.369 |
| 37 | branched-N-ethyl perfluorooctanesulfonamidoacetic acid (branched-NEtFOSAA) | 584 | 18.427 |
| 38 | branched-Perfluorooctanesulfonamide (branched-PFOSA) | 498 | 18.526 |
| 39 | Perfluoroundecanoic acid (PFUnA) | 563 | 18.660 |
| 40 | linear-N-ethyl perfluorooctanesulfonamidoacetic acid (linear-NEtFOSAA) | 584 | 18.713 |
| 41 | Perfluorodecanesulfonic acid (PFDS) | 599 | 18.728 |
| 42 | linear-Perfluorooctanesulfonamide (linear-PFOSA) | 498 | 18.828 |
| 43 | 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | 631 | 19.239 |
| 44 | Perfluorododecanoic acid (PFDoA) | 613 | 19.476 |
| 45 | Perfluorododecanesulfonic acid (PFDoS) | 699 | 20.129 |
| 46 | Perfluorotridecanoic acid (PFTrDA) | 663 | 20.145 |
| 47 | N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE) | 616 | 20.512 |
| 48 | N-methyl perfluorooctanesulfonamide (NMeFOSA) | 512 | 20.591 |
| 49 | Perfluorotetradecanoic acid (PFTeDA) | 713 | 20.757 |
| 50 | N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE) | 630 | 21.092 |
| 51 | N-ethyl perfluorooctanesulfonamide (NEtFOSA) | 526 | 21.210 |

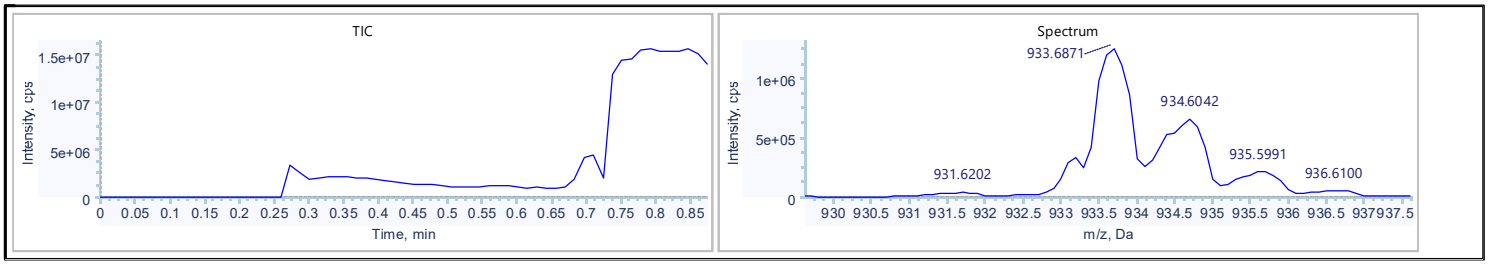
# Instrument Verification Report

10/8/2024 7:32 AM

| | | | |
|---|---|---|---|
| **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:** | EX239182307 | **Doc Num Revision:** | TripleQuad5500+PickSetVerify Eng |
| **User Name:** | A2-LCMS09 | | |

## 1. Negative Prerequisites

| Step | Result | Details |
|---|---|---|
| Achieve Stable Spray Neg | Pass | |




| Step | Result | Details |
|---|---|---|
| Optimize Gas 1 Neg | Pass | Found best GS1 (psi) value of 13 |

| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Intensity (cps) | 5.00e4 | 1.00e8 | 1.23e6 | Pass |

| Parameter | Ramp Start | Ramp End | Ramp Step | Initial Default | Current Value | Best Value |
|---|---|---|---|---|---|---|
| GS1 (psi) | 0.0 | 40.0 | 1.0 | 11.0 | 39.0 | 13.0 |

Best Value Criteria: The value with the maximum intensity that meets the specifications.
Spectra: Average 3 scans per step. Scan speed: 10
Selected Value: 13.0

## 2. Negative Q1 Unit Resolution

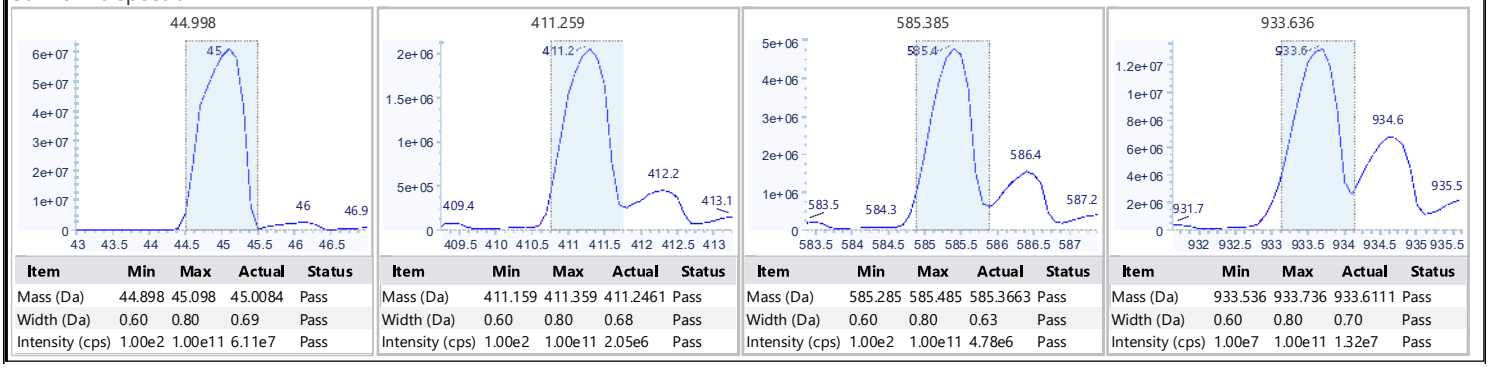
| Step | Result | Details |
|---|---|---|

# 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:** | EX239182307 | **Doc Num Revision:** | TripleQuad5500+PickSetVerify Eng |
| **User Name:** | A2-LCMS09 | | |

Verify Q1 Negative 10 Da/sec — **Pass** — Data file:D:\SCIEX OS Data\Optimization\Optimization-2024-10-08-07-31-55

Sum of 10 spectra




| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 44.898 | 45.098 | 45.0084 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.69 | Pass |
| Intensity (cps) | 1.00e2 | 1.00e11 | 6.11e7 | Pass |

| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 411.159 | 411.359 | 411.2461 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.68 | Pass |
| Intensity (cps) | 1.00e2 | 1.00e11 | 2.05e6 | Pass |

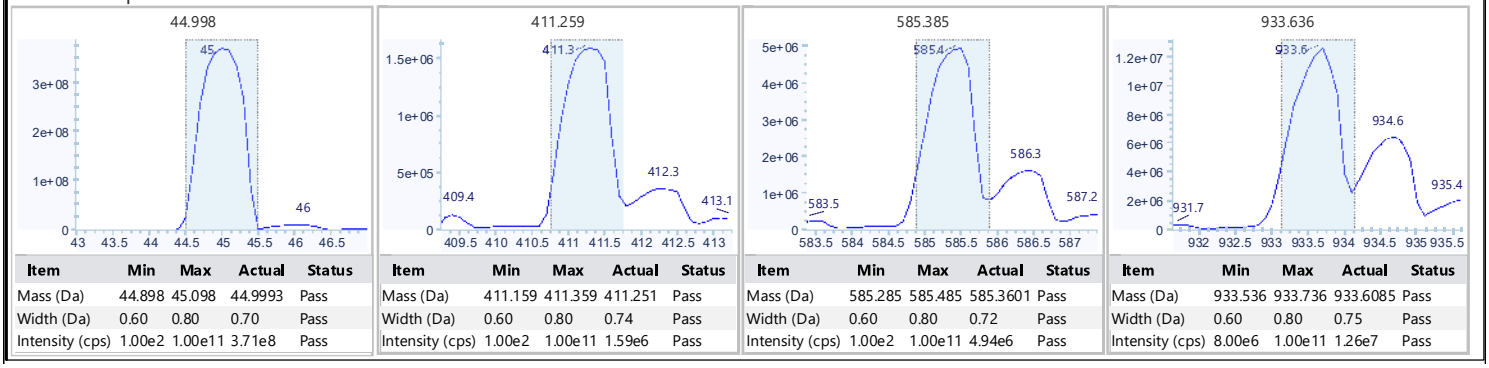
| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 585.285 | 585.485 | 585.3663 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.63 | Pass |
| Intensity (cps) | 1.00e2 | 1.00e11 | 4.78e6 | Pass |

| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 933.536 | 933.736 | 933.6111 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.70 | Pass |
| Intensity (cps) | 1.00e7 | 1.00e11 | 1.32e7 | Pass |

## 3. Negative Q3 Unit Resolution

| Step | Result | Details |
|---|---|---|
| Verify Q3 Negative 10 Da/sec | **Pass** | Data file:D:\SCIEX OS Data\Optimization\Optimization-2024-10-08-07-31-55 |

Sum of 10 spectra




| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 44.898 | 45.098 | 44.9993 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.70 | Pass |
| Intensity (cps) | 1.00e2 | 1.00e11 | 3.71e8 | Pass |

| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 411.159 | 411.359 | 411.251 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.74 | Pass |
| Intensity (cps) | 1.00e2 | 1.00e11 | 1.59e6 | Pass |

| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 585.285 | 585.485 | 585.3601 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.72 | Pass |
| Intensity (cps) | 1.00e2 | 1.00e11 | 4.94e6 | Pass |

| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 933.536 | 933.736 | 933.6085 | Pass |
| Width (Da) | 0.60 | 0.80 | 0.75 | Pass |
| Intensity (cps) | 8.00e6 | 1.00e11 | 1.26e7 | Pass |

# Continuing Calibration

# Calibration Verification Summary
# Form 7
# Semivolatiles

| | | | |
|---|---|---|---|
| **Client** | : P. W. Grosser | **Lab Number** | : L2512368 |
| **Project Name** | : ROANOKE SAND AND GRAVEL | **Project Number** | : BSD1504 |
| **Instrument ID** | : LCMS09 | **Calibration Date** | : 03/11/25 06:50 |
| **Lab File ID** | : SCI09_250311_09 | **Init. Calib. Date(s)** | : 03/03/25 03/03/25 |
| **Sample No** | : WG2038851-1 | **Init. Calib. Times** | : 14:41 15:53 |
| **Channel** | : | | |

| Compound | Concentration (ng/ml) | True Value (ng/ml) | % Recovery | QC Limits |
|---|---|---|---|---|
| Perfluorobutanoic Acid (PFBA) | 0.813 | 0.800 | 101.6 | 70-130 |
| Perfluoropentanoic Acid (PFPeA) | 0.399 | 0.400 | 99.8 | 70-130 |
| Perfluorobutanesulfonic Acid (PFBS) | 0.166 | 0.177 | 93.1 | 70-130 |
| Perfluorohexanoic Acid (PFHxA) | 0.209 | 0.200 | 104.4 | 70-130 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | 0.770 | 0.750 | 102.7 | 70-130 |
| Perfluoropentanesulfonic Acid (PFPeS) | 0.179 | 0.188 | 95 | 70-130 |
| Perfluoroheptanoic Acid (PFHpA) | 0.178 | 0.200 | 89.1 | 70-130 |
| Perfluorohexanesulfonic Acid (PFHxS) | 0.165 | 0.183 | 90.7 | 70-130 |
| Perfluorooctanoic Acid (PFOA) | 0.205 | 0.200 | 102.6 | 70-130 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 0.751 | 0.760 | 98.7 | 70-130 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 0.220 | 0.191 | 115.8 | 70-130 |
| Perfluorononanoic Acid (PFNA) | 0.237 | 0.200 | 118.6 | 70-130 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.205 | 0.186 | 110.3 | 70-130 |
| Perfluorodecanoic Acid (PFDA) | 0.180 | 0.200 | 90 | 70-130 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | 0.703 | 0.768 | 91.5 | 70-130 |
| Perfluorononanesulfonic Acid (PFNS) | 0.204 | 0.192 | 106.5 | 70-130 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | 0.187 | 0.200 | 93.4 | 70-130 |
| Perfluoroundecanoic Acid (PFUnA) | 0.195 | 0.200 | 97.3 | 70-130 |
| Perfluorodecanesulfonic Acid (PFDS) | 0.212 | 0.193 | 110 | 70-130 |
| Perfluorooctanesulfonamide (PFOSA) | 0.199 | 0.200 | 99.5 | 70-130 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 0.242 | 0.200 | 120.9 | 70-130 |
| Perfluorododecanoic Acid (PFDoA) | 0.202 | 0.200 | 101.1 | 70-130 |
| Perfluorotridecanoic Acid (PFTrDA) | 0.260 | 0.200 | 130.1* | 70-130 |
| Perfluorotetradecanoic Acid (PFTeDA) | 0.202 | 0.200 | 101.2 | 70-130 |
| 2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA) | 0.789 | 0.800 | 98.7 | 70-130 |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | 0.554 | 0.756 | 73.3 | 70-130 |
| Perfluorododecanesulfonic Acid (PFDoS) | 0.198 | 0.194 | 102.1 | 70-130 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS) | 0.915 | 0.748 | 122.7 | 70-130 |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | 0.921 | 0.756 | 122.1 | 70-130 |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | 0.209 | 0.200 | 104.5 | 70-130 |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | 0.198 | 0.200 | 99.2 | 70-130 |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | 1.991 | 2.000 | 99.5 | 70-130 |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | 1.994 | 2.000 | 99.7 | 70-130 |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | 0.372 | 0.400 | 93.1 | 70-130 |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | 0.413 | 0.400 | 103.3 | 70-130 |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | 0.389 | 0.356 | 109 | 70-130 |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | 0.404 | 0.400 | 101.1 | 70-130 |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | 1.025 | 1.000 | 102.6 | 70-130 |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | 5.275 | 5.000 | 105.5 | 70-130 |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | 5.570 | 5.000 | 111.4 | 70-130 |
| Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA) | 10.087 | 10.000 | 100.9 | 70-130 |
| Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA) | 5.066 | 5.000 | 101.3 | 70-130 |
| Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS) | 2.413 | 2.330 | 103.6 | 70-130 |

*** Value outside of QC limits.**

# Calibration Verification Summary
# Form 7
# Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client** | : P. W. Grosser | | **Lab Number** | : L2512368 | |
| **Project Name** | : ROANOKE SAND AND GRAVEL | | **Project Number** | : BSD1504 | |
| **Instrument ID** | : LCMS09 | | **Calibration Date** | : 03/11/25 06:50 | |
| **Lab File ID** | : SCI09_250311_09 | | **Init. Calib. Date(s)** | : 03/03/25 | 03/03/25 |
| **Sample No** | : WG2038851-1 | | **Init. Calib. Times** | : 14:41 | 15:53 |
| **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) | 4.085 | 4.690 | 87.1 | 70-130 |
| Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA) | 2.449 | 2.500 | 97.9 | 70-130 |
| Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA) | 3.069 | 2.500 | 122.8 | 70-130 |
| Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS) | 2.450 | 2.370 | 103.4 | 70-130 |
| Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA) | 2.704 | 2.500 | 108.2 | 70-130 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS) | 4.404 | 4.755 | 92.5 | 70-130 |
| Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA) | 1.143 | 1.250 | 91.4 | 70-130 |
| Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS) | 2.445 | 2.395 | 101.9 | 70-130 |
| Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA) | 1.450 | 1.250 | 116 | 70-130 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS) | 4.554 | 4.800 | 94.9 | 70-130 |
| N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA) | 4.942 | 5.000 | 98.8 | 70-130 |
| Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA) | 1.412 | 1.250 | 113 | 70-130 |
| Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA) | 3.019 | 2.500 | 120.7 | 70-130 |
| N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA) | 4.824 | 5.000 | 96.5 | 70-130 |
| Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA) | 1.399 | 1.250 | 112 | 70-130 |
| Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA) | 1.655 | 1.250 | 132.4* | 70-130 |
| Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA) | 9.935 | 10.000 | 99.4 | 70-130 |
| N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA) | 2.673 | 2.500 | 106.9 | 70-130 |
| N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA) | 2.683 | 2.500 | 107.3 | 70-130 |
| N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE) | 28.987 | 25.000 | 115.9 | 70-130 |
| N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE) | 28.140 | 25.000 | 112.6 | 70-130 |
| Perfluoro-[1,2-13C2]octanoic Acid (13C2-PFOA) | 2.637 | 2.500 | 105.5 | 70-130 |
| Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA) | 2.818 | 2.500 | 112.7 | 70-130 |
| Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA) | 2.672 | 2.500 | 106.9 | 70-130 |
| Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS) | 2.486 | 2.395 | 103.6 | 70-130 |
| Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA) | 1.275 | 1.250 | 102 | 70-130 |
| Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA) | 6.022 | 5.000 | 120.4 | 70-130 |
| Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA) | 1.365 | 1.250 | 109.2 | 70-130 |
| Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS) | 2.700 | 2.370 | 113.9 | 70-130 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2D4]Hexanesulfonic Acid (13C2D4-4:2FTS) | 4.841 | 5.000 | 96.8 | 70-130 |

*** Value outside of QC limits.**

# Calibration Verification Summary
# Form 7
# Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client** | : P. W. Grosser | | **Lab Number** | : L2512368 | |
| **Project Name** | : ROANOKE SAND AND GRAVEL | | **Project Number** | : BSD1504 | |
| **Instrument ID** | : LCMS09 | | **Calibration Date** | : 03/11/25 07:04 | |
| **Lab File ID** | : SCI09_250311_10 | | **Init. Calib. Date(s)** | : 03/03/25 | 03/03/25 |
| **Sample No** | : WG2038851-2 | | **Init. Calib. Times** | : 14:41 | 15:53 |
| **Channel** | : | | | | |

| Compound | Concentration (ng/ml) | True Value (ng/ml) | % Recovery | QC Limits |
|---|---|---|---|---|
| Perfluorobutanoic Acid (PFBA) | 18.553 | 20.000 | 92.8 | 70-130 |
| Perfluoropentanoic Acid (PFPeA) | 9.622 | 10.000 | 96.2 | 70-130 |
| Perfluorobutanesulfonic Acid (PFBS) | 4.254 | 4.435 | 95.8 | 70-130 |
| Perfluorohexanoic Acid (PFHxA) | 4.919 | 5.000 | 98.4 | 70-130 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | 17.572 | 18.750 | 94 | 70-130 |
| Perfluoropentanesulfonic Acid (PFPeS) | 4.486 | 4.705 | 95.4 | 70-130 |
| Perfluoroheptanoic Acid (PFHpA) | 4.585 | 5.000 | 91.7 | 70-130 |
| Perfluorohexanesulfonic Acid (PFHxS) | 3.928 | 4.570 | 86.1 | 70-130 |
| Perfluorooctanoic Acid (PFOA) | 4.289 | 5.000 | 85.8 | 70-130 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 16.992 | 19.000 | 89.4 | 70-130 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 4.722 | 4.765 | 99.2 | 70-130 |
| Perfluorononanoic Acid (PFNA) | 5.008 | 5.000 | 100.2 | 70-130 |
| Perfluorooctanesulfonic Acid (PFOS) | 4.094 | 4.640 | 88.2 | 70-130 |
| Perfluorodecanoic Acid (PFDA) | 4.751 | 5.000 | 95 | 70-130 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | 19.740 | 19.200 | 102.8 | 70-130 |
| Perfluorononanesulfonic Acid (PFNS) | 4.536 | 4.810 | 94.5 | 70-130 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | 4.779 | 5.000 | 95.6 | 70-130 |
| Perfluoroundecanoic Acid (PFUnA) | 4.570 | 5.000 | 91.4 | 70-130 |
| Perfluorodecanesulfonic Acid (PFDS) | 4.598 | 4.825 | 95.4 | 70-130 |
| Perfluorooctanesulfonamide (PFOSA) | 4.950 | 5.000 | 99 | 70-130 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 4.484 | 5.000 | 89.7 | 70-130 |
| Perfluorododecanoic Acid (PFDoA) | 4.761 | 5.000 | 95.2 | 70-130 |
| Perfluorotridecanoic Acid (PFTrDA) | 6.172 | 5.000 | 123.4 | 70-130 |
| Perfluorotetradecanoic Acid (PFTeDA) | 4.727 | 5.000 | 94.6 | 70-130 |
| 2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA) | 17.802 | 20.000 | 89 | 70-130 |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | 19.763 | 18.900 | 104.6 | 70-130 |
| Perfluorododecanesulfonic Acid (PFDoS) | 4.467 | 4.850 | 92.3 | 70-130 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS) | 18.648 | 18.700 | 99.7 | 70-130 |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | 20.176 | 18.900 | 106.8 | 70-130 |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | 4.643 | 5.000 | 92.9 | 70-130 |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | 4.589 | 5.000 | 91.8 | 70-130 |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | 47.461 | 50.000 | 94.9 | 70-130 |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | 48.217 | 50.000 | 96.4 | 70-130 |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | 9.265 | 10.000 | 92.7 | 70-130 |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | 9.827 | 10.000 | 98.3 | 70-130 |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | 9.104 | 8.900 | 102.1 | 70-130 |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | 10.255 | 10.000 | 102.6 | 70-130 |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | 24.069 | 25.000 | 96.3 | 70-130 |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | 129.828 | 125.000 | 103.9 | 70-130 |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | 124.747 | 125.000 | 99.8 | 70-130 |
| Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA) | 10.689 | 10.000 | 106.9 | 70-130 |
| Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA) | 5.238 | 5.000 | 104.8 | 70-130 |
| Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS) | 2.389 | 2.330 | 102.6 | 70-130 |

*** Value outside of QC limits.**

# Calibration Verification Summary
# Form 7
# Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client** | : P. W. Grosser | | **Lab Number** | : L2512368 | |
| **Project Name** | : ROANOKE SAND AND GRAVEL | | **Project Number** | : BSD1504 | |
| **Instrument ID** | : LCMS09 | | **Calibration Date** | : 03/11/25 07:04 | |
| **Lab File ID** | : SCI09_250311_10 | | **Init. Calib. Date(s)** | : 03/03/25 | 03/03/25 |
| **Sample No** | : WG2038851-2 | | **Init. Calib. Times** | : 14:41 | 15:53 |
| **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) | 4.452 | 9.380 | 94.9 | 70-130 |
| Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA) | 2.621 | 2.500 | 104.8 | 70-130 |
| Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA) | 2.731 | 2.500 | 109.2 | 70-130 |
| Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS) | 2.526 | 2.370 | 106.6 | 70-130 |
| Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA) | 2.811 | 2.500 | 112.4 | 70-130 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS) | 4.815 | 9.510 | 101.1 | 70-130 |
| Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA) | 1.235 | 1.250 | 98.8 | 70-130 |
| Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS) | 2.685 | 2.395 | 111.9 | 70-130 |
| Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA) | 1.327 | 1.250 | 106.1 | 70-130 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS) | 4.797 | 9.600 | 99.9 | 70-130 |
| N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA) | 5.522 | 5.000 | 110.4 | 70-130 |
| Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA) | 1.364 | 1.250 | 109.1 | 70-130 |
| Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA) | 2.932 | 2.500 | 117.3 | 70-130 |
| N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA) | 5.299 | 5.000 | 106 | 70-130 |
| Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA) | 1.397 | 1.250 | 111.8 | 70-130 |
| Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA) | 1.577 | 1.250 | 126.2 | 70-130 |
| Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA) | 10.800 | 10.000 | 108 | 70-130 |
| N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA) | 2.777 | 2.500 | 111.1 | 70-130 |
| N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA) | 2.676 | 2.500 | 107 | 70-130 |
| N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE) | 29.912 | 25.000 | 119.6 | 70-130 |
| N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE) | 28.908 | 25.000 | 115.6 | 70-130 |
| Perfluoro-[1,2-13C2]octanoic Acid (13C2-PFOA) | 2.609 | 2.500 | 104.4 | 70-130 |
| Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA) | 2.797 | 2.500 | 111.9 | 70-130 |
| Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA) | 2.904 | 2.500 | 116.2 | 70-130 |
| Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS) | 2.592 | 2.395 | 108 | 70-130 |
| Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA) | 1.407 | 1.250 | 112.6 | 70-130 |
| Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA) | 5.673 | 5.000 | 113.5 | 70-130 |
| Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA) | 1.446 | 1.250 | 115.7 | 70-130 |
| Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS) | 2.720 | 2.370 | 114.8 | 70-130 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2D4]Hexanesulfonic Acid (13C2D4-4:2FTS) | 5.554 | 5.000 | 111.1 | 70-130 |

*** Value outside of QC limits.**

# Calibration Verification Summary
# Form 7
# Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client** | : P. W. Grosser | **Lab Number** | : L2512368 | | |
| **Project Name** | : ROANOKE SAND AND GRAVEL | **Project Number** | : BSD1504 | | |
| **Instrument ID** | : LCMS09 | **Calibration Date** | : 03/11/25 09:44 | | |
| **Lab File ID** | : SCI09_250311_27 | **Init. Calib. Date(s)** | : 03/03/25 | 03/03/25 | |
| **Sample No** | : WG2038851-5 | **Init. Calib. Times** | : 14:41 | 15:53 | |
| **Channel** | : | | | | |

| Compound | Concentration (ng/ml) | True Value (ng/ml) | % Recovery | QC Limits |
|---|---|---|---|---|
| Perfluorobutanoic Acid (PFBA) | 18.818 | 20.000 | 94.1 | 70-130 |
| Perfluoropentanoic Acid (PFPeA) | 9.200 | 10.000 | 92 | 70-130 |
| Perfluorobutanesulfonic Acid (PFBS) | 3.960 | 4.435 | 89.2 | 70-130 |
| Perfluorohexanoic Acid (PFHxA) | 4.367 | 5.000 | 87.3 | 70-130 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | 19.375 | 18.750 | 103.6 | 70-130 |
| Perfluoropentanesulfonic Acid (PFPeS) | 4.972 | 4.705 | 105.8 | 70-130 |
| Perfluoroheptanoic Acid (PFHpA) | 4.804 | 5.000 | 96.1 | 70-130 |
| Perfluorohexanesulfonic Acid (PFHxS) | 4.851 | 4.570 | 106.4 | 70-130 |
| Perfluorooctanoic Acid (PFOA) | 4.440 | 5.000 | 88.8 | 70-130 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 17.555 | 19.000 | 92.4 | 70-130 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 4.835 | 4.765 | 101.6 | 70-130 |
| Perfluorononanoic Acid (PFNA) | 4.737 | 5.000 | 94.7 | 70-130 |
| Perfluorooctanesulfonic Acid (PFOS) | 4.227 | 4.640 | 91.1 | 70-130 |
| Perfluorodecanoic Acid (PFDA) | 4.875 | 5.000 | 97.5 | 70-130 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | 17.907 | 19.200 | 93.3 | 70-130 |
| Perfluorononanesulfonic Acid (PFNS) | 4.812 | 4.810 | 100.3 | 70-130 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | 4.549 | 5.000 | 91 | 70-130 |
| Perfluoroundecanoic Acid (PFUnA) | 4.837 | 5.000 | 96.8 | 70-130 |
| Perfluorodecanesulfonic Acid (PFDS) | 4.605 | 4.825 | 95.5 | 70-130 |
| Perfluorooctanesulfonamide (PFOSA) | 4.879 | 5.000 | 97.6 | 70-130 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 4.579 | 5.000 | 91.6 | 70-130 |
| Perfluorododecanoic Acid (PFDoA) | 4.811 | 5.000 | 96.2 | 70-130 |
| Perfluorotridecanoic Acid (PFTrDA) | 5.115 | 5.000 | 102.3 | 70-130 |
| Perfluorotetradecanoic Acid (PFTeDA) | 4.646 | 5.000 | 92.9 | 70-130 |
| 2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA) | 19.274 | 20.000 | 96.4 | 70-130 |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | 19.337 | 18.900 | 102.3 | 70-130 |
| Perfluorododecanesulfonic Acid (PFDoS) | 4.774 | 4.850 | 98.6 | 70-130 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS) | 19.445 | 18.700 | 104 | 70-130 |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | 19.891 | 18.900 | 105.2 | 70-130 |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | 4.875 | 5.000 | 97.5 | 70-130 |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | 4.459 | 5.000 | 89.2 | 70-130 |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | 47.417 | 50.000 | 94.8 | 70-130 |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | 48.144 | 50.000 | 96.3 | 70-130 |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | 9.339 | 10.000 | 93.4 | 70-130 |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | 9.712 | 10.000 | 97.1 | 70-130 |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | 7.359 | 8.900 | 82.5 | 70-130 |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | 9.002 | 10.000 | 90 | 70-130 |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | 23.568 | 25.000 | 94.3 | 70-130 |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | 113.962 | 125.000 | 91.2 | 70-130 |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | 123.196 | 125.000 | 98.6 | 70-130 |
| Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA) | 10.721 | 10.000 | 107.2 | 70-130 |
| Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA) | 5.014 | 5.000 | 100.3 | 70-130 |
| Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS) | 2.526 | 2.330 | 108.4 | 70-130 |

*** Value outside of QC limits.**

# Calibration Verification Summary
# Form 7
# Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client** | : P. W. Grosser | | **Lab Number** | : L2512368 | |
| **Project Name** | : ROANOKE SAND AND GRAVEL | | **Project Number** | : BSD1504 | |
| **Instrument ID** | : LCMS09 | | **Calibration Date** | : 03/11/25 09:44 | |
| **Lab File ID** | : SCI09_250311_27 | | **Init. Calib. Date(s)** | : 03/03/25 | 03/03/25 |
| **Sample No** | : WG2038851-5 | | **Init. Calib. Times** | : 14:41 | 15:53 |
| **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) | 4.296 | 9.380 | 91.6 | 70-130 |
| Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA) | 2.690 | 2.500 | 107.6 | 70-130 |
| Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA) | 2.512 | 2.500 | 100.5 | 70-130 |
| Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS) | 2.337 | 2.370 | 98.6 | 70-130 |
| Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA) | 2.638 | 2.500 | 105.5 | 70-130 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS) | 5.118 | 9.510 | 107.5 | 70-130 |
| Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA) | 1.257 | 1.250 | 100.6 | 70-130 |
| Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS) | 2.485 | 2.395 | 103.5 | 70-130 |
| Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA) | 1.278 | 1.250 | 102.2 | 70-130 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS) | 5.140 | 9.600 | 107.1 | 70-130 |
| N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA) | 5.567 | 5.000 | 111.3 | 70-130 |
| Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA) | 1.354 | 1.250 | 108.3 | 70-130 |
| Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA) | 2.667 | 2.500 | 106.7 | 70-130 |
| N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA) | 5.360 | 5.000 | 107.2 | 70-130 |
| Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA) | 1.367 | 1.250 | 109.4 | 70-130 |
| Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA) | 1.471 | 1.250 | 117.7 | 70-130 |
| Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA) | 9.717 | 10.000 | 97.2 | 70-130 |
| N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA) | 2.593 | 2.500 | 103.7 | 70-130 |
| N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA) | 2.628 | 2.500 | 105.1 | 70-130 |
| N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE) | 26.538 | 25.000 | 106.2 | 70-130 |
| N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE) | 25.585 | 25.000 | 102.3 | 70-130 |
| Perfluoro-[1,2-13C2]octanoic Acid (13C2-PFOA) | 2.799 | 2.500 | 112 | 70-130 |
| Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA) | 2.973 | 2.500 | 118.9 | 70-130 |
| Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA) | 2.841 | 2.500 | 113.7 | 70-130 |
| Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS) | 2.662 | 2.395 | 110.9 | 70-130 |
| Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA) | 1.371 | 1.250 | 109.7 | 70-130 |
| Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA) | 5.644 | 5.000 | 112.9 | 70-130 |
| Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA) | 1.410 | 1.250 | 112.8 | 70-130 |
| Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS) | 2.614 | 2.370 | 110.3 | 70-130 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2D4]Hexanesulfonic Acid (13C2D4-4:2FTS) | 5.149 | 5.000 | 103 | 70-130 |

*** Value outside of QC limits.**

# Calibration Verification Summary
# Form 7
# Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client** | : P. W. Grosser | | **Lab Number** | : L2512368 | |
| **Project Name** | : ROANOKE SAND AND GRAVEL | | **Project Number** | : BSD1504 | |
| **Instrument ID** | : LCMS09 | | **Calibration Date** | : 03/11/25 12:02 | |
| **Lab File ID** | : SCI09_250311_41 | | **Init. Calib. Date(s)** | : 03/03/25 | 03/03/25 |
| **Sample No** | : WG2038851-7 | | **Init. Calib. Times** | : 14:41 | 15:53 |
| **Channel** | : | | | | |

| Compound | Concentration (ng/ml) | True Value (ng/ml) | % Recovery | QC Limits |
|---|---|---|---|---|
| Perfluorobutanoic Acid (PFBA) | 19.425 | 20.000 | 97.1 | 70-130 |
| Perfluoropentanoic Acid (PFPeA) | 9.355 | 10.000 | 93.6 | 70-130 |
| Perfluorobutanesulfonic Acid (PFBS) | 4.057 | 4.435 | 91.4 | 70-130 |
| Perfluorohexanoic Acid (PFHxA) | 4.762 | 5.000 | 95.3 | 70-130 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | 17.893 | 18.750 | 95.7 | 70-130 |
| Perfluoropentanesulfonic Acid (PFPeS) | 4.311 | 4.705 | 91.7 | 70-130 |
| Perfluoroheptanoic Acid (PFHpA) | 4.614 | 5.000 | 92.3 | 70-130 |
| Perfluorohexanesulfonic Acid (PFHxS) | 4.171 | 4.570 | 91.5 | 70-130 |
| Perfluorooctanoic Acid (PFOA) | 5.201 | 5.000 | 104 | 70-130 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 18.006 | 19.000 | 94.8 | 70-130 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 4.660 | 4.765 | 97.9 | 70-130 |
| Perfluorononanoic Acid (PFNA) | 4.592 | 5.000 | 91.8 | 70-130 |
| Perfluorooctanesulfonic Acid (PFOS) | 4.360 | 4.640 | 94 | 70-130 |
| Perfluorodecanoic Acid (PFDA) | 4.606 | 5.000 | 92.1 | 70-130 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | 19.046 | 19.200 | 99.2 | 70-130 |
| Perfluorononanesulfonic Acid (PFNS) | 4.957 | 4.810 | 103.3 | 70-130 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | 4.351 | 5.000 | 87 | 70-130 |
| Perfluoroundecanoic Acid (PFUnA) | 4.626 | 5.000 | 92.5 | 70-130 |
| Perfluorodecanesulfonic Acid (PFDS) | 5.450 | 4.825 | 113.1 | 70-130 |
| Perfluorooctanesulfonamide (PFOSA) | 4.922 | 5.000 | 98.4 | 70-130 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 4.707 | 5.000 | 94.1 | 70-130 |
| Perfluorododecanoic Acid (PFDoA) | 4.900 | 5.000 | 98 | 70-130 |
| Perfluorotridecanoic Acid (PFTrDA) | 5.391 | 5.000 | 107.8 | 70-130 |
| Perfluorotetradecanoic Acid (PFTeDA) | 4.772 | 5.000 | 95.4 | 70-130 |
| 2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA) | 19.025 | 20.000 | 95.1 | 70-130 |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | 17.453 | 18.900 | 92.3 | 70-130 |
| Perfluorododecanesulfonic Acid (PFDoS) | 5.470 | 4.850 | 113 | 70-130 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS) | 19.256 | 18.700 | 103 | 70-130 |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | 21.165 | 18.900 | 112 | 70-130 |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | 4.810 | 5.000 | 96.2 | 70-130 |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | 4.526 | 5.000 | 90.5 | 70-130 |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | 48.584 | 50.000 | 97.2 | 70-130 |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | 45.892 | 50.000 | 91.8 | 70-130 |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | 9.482 | 10.000 | 94.8 | 70-130 |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | 9.571 | 10.000 | 95.7 | 70-130 |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | 8.702 | 8.900 | 97.6 | 70-130 |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | 10.256 | 10.000 | 102.6 | 70-130 |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | 25.243 | 25.000 | 101 | 70-130 |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | 123.143 | 125.000 | 98.5 | 70-130 |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | 127.739 | 125.000 | 102.2 | 70-130 |
| Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA) | 10.012 | 10.000 | 100.1 | 70-130 |
| Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA) | 5.013 | 5.000 | 100.3 | 70-130 |
| Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS) | 2.402 | 2.330 | 103.1 | 70-130 |

*** Value outside of QC limits.**

# Calibration Verification Summary
# Form 7
# Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client** | : P. W. Grosser | | **Lab Number** | : L2512368 | |
| **Project Name** | : ROANOKE SAND AND GRAVEL | | **Project Number** | : BSD1504 | |
| **Instrument ID** | : LCMS09 | | **Calibration Date** | : 03/11/25 12:02 | |
| **Lab File ID** | : SCI09_250311_41 | | **Init. Calib. Date(s)** | : 03/03/25 | 03/03/25 |
| **Sample No** | : WG2038851-7 | | **Init. Calib. Times** | : 14:41 | 15:53 |
| **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) | 4.368 | 9.380 | 93.1 | 70-130 |
| Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA) | 2.516 | 2.500 | 100.7 | 70-130 |
| Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA) | 2.646 | 2.500 | 105.9 | 70-130 |
| Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS) | 2.511 | 2.370 | 105.9 | 70-130 |
| Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA) | 2.246 | 2.500 | 89.9 | 70-130 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS) | 4.677 | 9.510 | 98.2 | 70-130 |
| Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA) | 1.310 | 1.250 | 104.8 | 70-130 |
| Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS) | 2.327 | 2.395 | 96.9 | 70-130 |
| Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA) | 1.380 | 1.250 | 110.4 | 70-130 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS) | 5.369 | 9.600 | 111.9 | 70-130 |
| N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA) | 6.266 | 5.000 | 125.3 | 70-130 |
| Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA) | 1.422 | 1.250 | 113.8 | 70-130 |
| Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA) | 2.772 | 2.500 | 110.9 | 70-130 |
| N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA) | 6.080 | 5.000 | 121.6 | 70-130 |
| Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA) | 1.469 | 1.250 | 117.5 | 70-130 |
| Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA) | 1.635 | 1.250 | 130.8* | 70-130 |
| Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA) | 10.108 | 10.000 | 101.1 | 70-130 |
| N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA) | 2.576 | 2.500 | 103 | 70-130 |
| N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA) | 2.683 | 2.500 | 107.3 | 70-130 |
| N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE) | 26.596 | 25.000 | 106.4 | 70-130 |
| N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE) | 27.184 | 25.000 | 108.7 | 70-130 |
| Perfluoro-[1,2-13C2]octanoic Acid (13C2-PFOA) | 2.650 | 2.500 | 106 | 70-130 |
| Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA) | 2.873 | 2.500 | 114.9 | 70-130 |
| Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA) | 2.862 | 2.500 | 114.5 | 70-130 |
| Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS) | 2.863 | 2.395 | 119.3 | 70-130 |
| Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA) | 1.428 | 1.250 | 114.3 | 70-130 |
| Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA) | 5.673 | 5.000 | 113.5 | 70-130 |
| Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA) | 1.377 | 1.250 | 110.2 | 70-130 |
| Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS) | 2.698 | 2.370 | 113.8 | 70-130 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2D4]Hexanesulfonic Acid (13C2D4-4:2FTS) | 5.308 | 5.000 | 106.2 | 70-130 |

*** Value outside of QC limits.**

# Calibration Verification Summary
# Form 7
# Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client** | : P. W. Grosser | | **Lab Number** | : L2512368 | |
| **Project Name** | : ROANOKE SAND AND GRAVEL | | **Project Number** | : BSD1504 | |
| **Instrument ID** | : LCMS07 | | **Calibration Date** | : 03/17/25 18:59 | |
| **Lab File ID** | : SCI07_250317_12 | | **Init. Calib. Date(s)** | : 02/28/25 | 02/28/25 |
| **Sample No** | : WG2041546-1 | | **Init. Calib. Times** | : 12:11 | 13:15 |
| **Channel** | : | | | | |

| Compound | Concentration (ng/ml) | True Value (ng/ml) | % Recovery | QC Limits |
|---|---|---|---|---|
| Perfluorobutanoic Acid (PFBA) | 0.838 | 0.800 | 104.7 | 70-130 |
| Perfluoropentanoic Acid (PFPeA) | 0.366 | 0.400 | 91.5 | 70-130 |
| Perfluorobutanesulfonic Acid (PFBS) | 0.153 | 0.177 | 86 | 70-130 |
| Perfluorohexanoic Acid (PFHxA) | 0.196 | 0.200 | 98 | 70-130 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | 0.838 | 0.750 | 111.8 | 70-130 |
| Perfluoropentanesulfonic Acid (PFPeS) | 0.177 | 0.188 | 94.3 | 70-130 |
| Perfluoroheptanoic Acid (PFHpA) | 0.218 | 0.200 | 108.9 | 70-130 |
| Perfluorohexanesulfonic Acid (PFHxS) | 0.204 | 0.183 | 112.4 | 70-130 |
| Perfluorooctanoic Acid (PFOA) | 0.220 | 0.200 | 110.2 | 70-130 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 0.877 | 0.760 | 115.3 | 70-130 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 0.209 | 0.191 | 109.9 | 70-130 |
| Perfluorononanoic Acid (PFNA) | 0.192 | 0.200 | 96 | 70-130 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.211 | 0.186 | 113.7 | 70-130 |
| Perfluorodecanoic Acid (PFDA) | 0.210 | 0.200 | 104.8 | 70-130 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | 0.898 | 0.768 | 116.9 | 70-130 |
| Perfluorononanesulfonic Acid (PFNS) | 0.208 | 0.192 | 108.3 | 70-130 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | 0.207 | 0.200 | 103.7 | 70-130 |
| Perfluoroundecanoic Acid (PFUnA) | 0.201 | 0.200 | 100.4 | 70-130 |
| Perfluorodecanesulfonic Acid (PFDS) | 0.227 | 0.193 | 117.4 | 70-130 |
| Perfluorooctanesulfonamide (PFOSA) | 0.213 | 0.200 | 106.5 | 70-130 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 0.226 | 0.200 | 112.9 | 70-130 |
| Perfluorododecanoic Acid (PFDoA) | 0.214 | 0.200 | 107.1 | 70-130 |
| Perfluorotridecanoic Acid (PFTrDA) | 0.199 | 0.200 | 99.3 | 70-130 |
| Perfluorotetradecanoic Acid (PFTeDA) | 0.213 | 0.200 | 106.3 | 70-130 |
| 2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA) | 0.643 | 0.800 | 80.4 | 70-130 |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | 0.756 | 0.756 | 100 | 70-130 |
| Perfluorododecanesulfonic Acid (PFDoS) | 0.208 | 0.194 | 107 | 70-130 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS) | 0.846 | 0.748 | 113.4 | 70-130 |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | 0.858 | 0.756 | 113.8 | 70-130 |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | 0.208 | 0.200 | 103.9 | 70-130 |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | 0.198 | 0.200 | 99 | 70-130 |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | 1.950 | 2.000 | 97.5 | 70-130 |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | 1.972 | 2.000 | 98.6 | 70-130 |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | 0.357 | 0.400 | 89.3 | 70-130 |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | 0.372 | 0.400 | 93.1 | 70-130 |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | 0.394 | 0.356 | 110.3 | 70-130 |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | 0.426 | 0.400 | 106.4 | 70-130 |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | 0.943 | 1.000 | 94.3 | 70-130 |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | 5.200 | 5.000 | 104 | 70-130 |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | 5.220 | 5.000 | 104.4 | 70-130 |
| Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA) | 10.162 | 10.000 | 101.6 | 70-130 |
| Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA) | 4.951 | 5.000 | 99 | 70-130 |
| Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS) | 2.700 | 2.330 | 115.9 | 70-130 |

***** Value outside of QC limits.

# Calibration Verification Summary
# Form 7
# Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client** | : P. W. Grosser | **Lab Number** | : L2512368 | | |
| **Project Name** | : ROANOKE SAND AND GRAVEL | **Project Number** | : BSD1504 | | |
| **Instrument ID** | : LCMS07 | **Calibration Date** | : 03/17/25 18:59 | | |
| **Lab File ID** | : SCI07_250317_12 | **Init. Calib. Date(s)** | : 02/28/25 | 02/28/25 | |
| **Sample No** | : WG2041546-1 | **Init. Calib. Times** | : 12:11 | 13:15 | |
| **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) | 4.967 | 4.690 | 105.9 | 70-130 |
| Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA) | 2.479 | 2.500 | 99.2 | 70-130 |
| Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA) | 2.839 | 2.500 | 113.6 | 70-130 |
| Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS) | 2.602 | 2.370 | 109.8 | 70-130 |
| Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA) | 2.541 | 2.500 | 101.6 | 70-130 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS) | 5.550 | 4.755 | 116.6 | 70-130 |
| Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA) | 1.213 | 1.250 | 97 | 70-130 |
| Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS) | 2.460 | 2.395 | 102.5 | 70-130 |
| Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA) | 1.203 | 1.250 | 96.2 | 70-130 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS) | 6.241 | 4.800 | 130 | 70-130 |
| N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA) | 7.058 | 5.000 | 141.2* | 70-130 |
| Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA) | 1.216 | 1.250 | 97.3 | 70-130 |
| Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA) | 2.963 | 2.500 | 118.5 | 70-130 |
| N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA) | 6.632 | 5.000 | 132.6* | 70-130 |
| Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA) | 1.246 | 1.250 | 99.6 | 70-130 |
| Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA) | 1.311 | 1.250 | 104.9 | 70-130 |
| Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA) | 11.420 | 10.000 | 114.2 | 70-130 |
| N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA) | 2.411 | 2.500 | 96.4 | 70-130 |
| N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA) | 2.520 | 2.500 | 100.8 | 70-130 |
| N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE) | 23.155 | 25.000 | 92.6 | 70-130 |
| N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE) | 21.173 | 25.000 | 84.7 | 70-130 |
| Perfluoro-[1,2-13C2]octanoic Acid (13C2-PFOA) | 2.632 | 2.500 | 105.3 | 70-130 |
| Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA) | 3.038 | 2.500 | 121.5 | 70-130 |
| Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA) | 2.672 | 2.500 | 106.9 | 70-130 |
| Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS) | 2.889 | 2.395 | 120.4 | 70-130 |
| Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA) | 1.800 | 1.250 | 144* | 70-130 |
| Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA) | 6.807 | 5.000 | 136.1* | 70-130 |
| Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA) | 1.623 | 1.250 | 129.9 | 70-130 |
| Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS) | 2.734 | 2.370 | 115.4 | 70-130 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2D4]Hexanesulfonic Acid (13C2D4-4:2FTS) | 5.853 | 5.000 | 117.1 | 70-130 |

*** Value outside of QC limits.**

# Calibration Verification Summary
# Form 7
# Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client** | : P. W. Grosser | **Lab Number** | : L2512368 | | |
| **Project Name** | : ROANOKE SAND AND GRAVEL | **Project Number** | : BSD1504 | | |
| **Instrument ID** | : LCMS07 | **Calibration Date** | : 03/17/25 23:29 | | |
| **Lab File ID** | : SCI07_250317_37 | **Init. Calib. Date(s)** | : 02/28/25 | 02/28/25 | |
| **Sample No** | : WG2041546-7 | **Init. Calib. Times** | : 12:11 | 13:15 | |
| **Channel** | : | | | | |

| Compound | Concentration (ng/ml) | True Value (ng/ml) | % Recovery | QC Limits |
|---|---|---|---|---|
| Perfluorobutanoic Acid (PFBA) | 18.901 | 20.000 | 94.5 | 70-130 |
| Perfluoropentanoic Acid (PFPeA) | 8.897 | 10.000 | 89 | 70-130 |
| Perfluorobutanesulfonic Acid (PFBS) | 4.420 | 4.435 | 99.6 | 70-130 |
| Perfluorohexanoic Acid (PFHxA) | 4.889 | 5.000 | 97.8 | 70-130 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | 19.094 | 18.750 | 102.1 | 70-130 |
| Perfluoropentanesulfonic Acid (PFPeS) | 4.425 | 4.705 | 94.1 | 70-130 |
| Perfluoroheptanoic Acid (PFHpA) | 4.544 | 5.000 | 90.9 | 70-130 |
| Perfluorohexanesulfonic Acid (PFHxS) | 4.367 | 4.570 | 95.8 | 70-130 |
| Perfluorooctanoic Acid (PFOA) | 4.474 | 5.000 | 89.5 | 70-130 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 17.888 | 19.000 | 94.2 | 70-130 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 4.581 | 4.765 | 96.2 | 70-130 |
| Perfluorononanoic Acid (PFNA) | 4.548 | 5.000 | 91 | 70-130 |
| Perfluorooctanesulfonic Acid (PFOS) | 4.622 | 4.640 | 99.6 | 70-130 |
| Perfluorodecanoic Acid (PFDA) | 4.603 | 5.000 | 92.1 | 70-130 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | 20.935 | 19.200 | 109 | 70-130 |
| Perfluorononanesulfonic Acid (PFNS) | 4.759 | 4.810 | 99.2 | 70-130 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | 5.090 | 5.000 | 101.8 | 70-130 |
| Perfluoroundecanoic Acid (PFUnA) | 5.137 | 5.000 | 102.7 | 70-130 |
| Perfluorodecanesulfonic Acid (PFDS) | 4.823 | 4.825 | 100.1 | 70-130 |
| Perfluorooctanesulfonamide (PFOSA) | 4.619 | 5.000 | 92.4 | 70-130 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 5.813 | 5.000 | 116.3 | 70-130 |
| Perfluorododecanoic Acid (PFDoA) | 4.931 | 5.000 | 98.6 | 70-130 |
| Perfluorotridecanoic Acid (PFTrDA) | 4.920 | 5.000 | 98.4 | 70-130 |
| Perfluorotetradecanoic Acid (PFTeDA) | 4.990 | 5.000 | 99.8 | 70-130 |
| 2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA) | 18.053 | 20.000 | 90.3 | 70-130 |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | 16.586 | 18.900 | 87.8 | 70-130 |
| Perfluorododecanesulfonic Acid (PFDoS) | 4.990 | 4.850 | 103.1 | 70-130 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS) | 17.830 | 18.700 | 95.4 | 70-130 |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | 19.221 | 18.900 | 101.7 | 70-130 |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | 5.032 | 5.000 | 100.7 | 70-130 |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | 4.684 | 5.000 | 93.7 | 70-130 |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | 47.097 | 50.000 | 94.2 | 70-130 |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | 45.178 | 50.000 | 90.4 | 70-130 |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | 9.396 | 10.000 | 94 | 70-130 |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | 8.833 | 10.000 | 88.3 | 70-130 |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | 8.512 | 8.900 | 95.4 | 70-130 |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | 9.559 | 10.000 | 95.6 | 70-130 |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | 22.186 | 25.000 | 88.7 | 70-130 |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | 126.299 | 125.000 | 101 | 70-130 |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | 126.791 | 125.000 | 101.4 | 70-130 |
| Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA) | 10.368 | 10.000 | 103.7 | 70-130 |
| Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA) | 5.786 | 5.000 | 115.7 | 70-130 |
| Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS) | 2.344 | 2.330 | 100.6 | 70-130 |

***** Value outside of QC limits.

# Calibration Verification Summary
# Form 7
# Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client** | : P. W. Grosser | | **Lab Number** | : L2512368 | |
| **Project Name** | : ROANOKE SAND AND GRAVEL | | **Project Number** | : BSD1504 | |
| **Instrument ID** | : LCMS07 | | **Calibration Date** | : 03/17/25 23:29 | |
| **Lab File ID** | : SCI07_250317_37 | | **Init. Calib. Date(s)** | : 02/28/25 | 02/28/25 |
| **Sample No** | : WG2041546-7 | | **Init. Calib. Times** | : 12:11 | 13:15 |
| **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) | 4.616 | 9.380 | 98.4 | 70-130 |
| Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA) | 2.572 | 2.500 | 102.9 | 70-130 |
| Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA) | 2.893 | 2.500 | 115.7 | 70-130 |
| Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS) | 2.397 | 2.370 | 101.2 | 70-130 |
| Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA) | 2.736 | 2.500 | 109.4 | 70-130 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS) | 4.855 | 9.510 | 102 | 70-130 |
| Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA) | 1.318 | 1.250 | 105.4 | 70-130 |
| Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS) | 2.387 | 2.395 | 99.5 | 70-130 |
| Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA) | 1.244 | 1.250 | 99.5 | 70-130 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS) | 5.060 | 9.600 | 105.4 | 70-130 |
| N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA) | 5.215 | 5.000 | 104.3 | 70-130 |
| Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA) | 1.244 | 1.250 | 99.5 | 70-130 |
| Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA) | 2.519 | 2.500 | 100.8 | 70-130 |
| N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA) | 4.805 | 5.000 | 96.1 | 70-130 |
| Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA) | 1.243 | 1.250 | 99.5 | 70-130 |
| Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA) | 1.366 | 1.250 | 109.3 | 70-130 |
| Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA) | 10.144 | 10.000 | 101.4 | 70-130 |
| N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA) | 2.310 | 2.500 | 92.4 | 70-130 |
| N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA) | 2.616 | 2.500 | 104.6 | 70-130 |
| N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE) | 25.752 | 25.000 | 103 | 70-130 |
| N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE) | 26.063 | 25.000 | 104.3 | 70-130 |
| Perfluoro-[1,2-13C2]octanoic Acid (13C2-PFOA) | 2.946 | 2.500 | 117.9 | 70-130 |
| Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA) | 3.149 | 2.500 | 125.9 | 70-130 |
| Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA) | 2.762 | 2.500 | 110.5 | 70-130 |
| Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS) | 3.450 | 2.395 | 143.8* | 70-130 |
| Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA) | 1.772 | 1.250 | 141.7* | 70-130 |
| Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA) | 7.164 | 5.000 | 143.3* | 70-130 |
| Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA) | 1.634 | 1.250 | 130.7* | 70-130 |
| Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS) | 3.212 | 2.370 | 135.5* | 70-130 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2D4]Hexanesulfonic Acid (13C2D4-4:2FTS) | 6.073 | 5.000 | 121.5 | 70-130 |

*** Value outside of QC limits.**

# Calibration Verification Summary
# Form 7
# Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client** | : P. W. Grosser | **Lab Number** | : L2512368 | | |
| **Project Name** | : ROANOKE SAND AND GRAVEL | **Project Number** | : BSD1504 | | |
| **Instrument ID** | : LCMS07 | **Calibration Date** | : 03/18/25 02:13 | | |
| **Lab File ID** | : SCI07_250317_52 | **Init. Calib. Date(s)** | : 02/28/25 | 02/28/25 | |
| **Sample No** | : WG2041546-9 | **Init. Calib. Times** | : 12:11 | 13:15 | |
| **Channel** | : | | | | |

| Compound | Concentration (ng/ml) | True Value (ng/ml) | % Recovery | QC Limits |
|---|---|---|---|---|
| Perfluorobutanoic Acid (PFBA) | 18.980 | 20.000 | 94.9 | 70-130 |
| Perfluoropentanoic Acid (PFPeA) | 8.918 | 10.000 | 89.2 | 70-130 |
| Perfluorobutanesulfonic Acid (PFBS) | 4.403 | 4.435 | 99.2 | 70-130 |
| Perfluorohexanoic Acid (PFHxA) | 4.831 | 5.000 | 96.6 | 70-130 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | 17.110 | 18.750 | 91.5 | 70-130 |
| Perfluoropentanesulfonic Acid (PFPeS) | 4.946 | 4.705 | 105.2 | 70-130 |
| Perfluoroheptanoic Acid (PFHpA) | 4.478 | 5.000 | 89.6 | 70-130 |
| Perfluorohexanesulfonic Acid (PFHxS) | 4.743 | 4.570 | 104 | 70-130 |
| Perfluorooctanoic Acid (PFOA) | 4.751 | 5.000 | 95 | 70-130 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 18.745 | 19.000 | 98.7 | 70-130 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 4.652 | 4.765 | 97.7 | 70-130 |
| Perfluorononanoic Acid (PFNA) | 4.669 | 5.000 | 93.4 | 70-130 |
| Perfluorooctanesulfonic Acid (PFOS) | 4.518 | 4.640 | 97.4 | 70-130 |
| Perfluorodecanoic Acid (PFDA) | 4.525 | 5.000 | 90.5 | 70-130 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | 21.860 | 19.200 | 113.9 | 70-130 |
| Perfluorononanesulfonic Acid (PFNS) | 4.703 | 4.810 | 98 | 70-130 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | 4.938 | 5.000 | 98.8 | 70-130 |
| Perfluoroundecanoic Acid (PFUnA) | 4.490 | 5.000 | 89.8 | 70-130 |
| Perfluorodecanesulfonic Acid (PFDS) | 4.711 | 4.825 | 97.8 | 70-130 |
| Perfluorooctanesulfonamide (PFOSA) | 4.776 | 5.000 | 95.5 | 70-130 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 4.653 | 5.000 | 93.1 | 70-130 |
| Perfluorododecanoic Acid (PFDoA) | 4.997 | 5.000 | 99.9 | 70-130 |
| Perfluorotridecanoic Acid (PFTrDA) | 4.968 | 5.000 | 99.4 | 70-130 |
| Perfluorotetradecanoic Acid (PFTeDA) | 4.873 | 5.000 | 97.5 | 70-130 |
| 2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA) | 19.149 | 20.000 | 95.8 | 70-130 |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | 16.695 | 18.900 | 88.3 | 70-130 |
| Perfluorododecanesulfonic Acid (PFDoS) | 4.734 | 4.850 | 97.8 | 70-130 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS) | 17.371 | 18.700 | 92.9 | 70-130 |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | 18.860 | 18.900 | 99.8 | 70-130 |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | 4.816 | 5.000 | 96.3 | 70-130 |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | 4.888 | 5.000 | 97.8 | 70-130 |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | 46.354 | 50.000 | 92.7 | 70-130 |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | 45.108 | 50.000 | 90.2 | 70-130 |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | 9.381 | 10.000 | 93.8 | 70-130 |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | 8.591 | 10.000 | 85.9 | 70-130 |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | 8.663 | 8.900 | 97.1 | 70-130 |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | 9.182 | 10.000 | 91.8 | 70-130 |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | 21.457 | 25.000 | 85.8 | 70-130 |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | 129.574 | 125.000 | 103.7 | 70-130 |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | 132.645 | 125.000 | 106.1 | 70-130 |
| Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA) | 10.099 | 10.000 | 101 | 70-130 |
| Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA) | 5.303 | 5.000 | 106.1 | 70-130 |
| Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS) | 2.362 | 2.330 | 101.4 | 70-130 |

***** Value outside of QC limits.

# Calibration Verification Summary
# Form 7
# Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client** | : P. W. Grosser | | **Lab Number** | : L2512368 | |
| **Project Name** | : ROANOKE SAND AND GRAVEL | | **Project Number** | : BSD1504 | |
| **Instrument ID** | : LCMS07 | | **Calibration Date** | : 03/18/25 02:13 | |
| **Lab File ID** | : SCI07_250317_52 | | **Init. Calib. Date(s)** | : 02/28/25 | 02/28/25 |
| **Sample No** | : WG2041546-9 | | **Init. Calib. Times** | : 12:11 | 13:15 |
| **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) | 4.913 | 9.380 | 104.8 | 70-130 |
| Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA) | 2.476 | 2.500 | 99 | 70-130 |
| Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA) | 2.608 | 2.500 | 104.3 | 70-130 |
| Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS) | 2.195 | 2.370 | 92.6 | 70-130 |
| Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA) | 2.693 | 2.500 | 107.7 | 70-130 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS) | 4.701 | 9.510 | 98.8 | 70-130 |
| Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA) | 1.360 | 1.250 | 108.8 | 70-130 |
| Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS) | 2.617 | 2.395 | 109 | 70-130 |
| Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA) | 1.389 | 1.250 | 111.2 | 70-130 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS) | 4.854 | 9.600 | 101.1 | 70-130 |
| N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA) | 5.644 | 5.000 | 112.9 | 70-130 |
| Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA) | 1.326 | 1.250 | 106.1 | 70-130 |
| Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA) | 2.665 | 2.500 | 106.6 | 70-130 |
| N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA) | 5.800 | 5.000 | 116 | 70-130 |
| Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA) | 1.229 | 1.250 | 98.3 | 70-130 |
| Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA) | 1.331 | 1.250 | 106.5 | 70-130 |
| Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA) | 9.145 | 10.000 | 91.5 | 70-130 |
| N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA) | 2.581 | 2.500 | 103.3 | 70-130 |
| N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA) | 2.704 | 2.500 | 108.2 | 70-130 |
| N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE) | 28.410 | 25.000 | 113.6 | 70-130 |
| N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE) | 28.494 | 25.000 | 114 | 70-130 |
| Perfluoro-[1,2-13C2]octanoic Acid (13C2-PFOA) | 3.071 | 2.500 | 122.8 | 70-130 |
| Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA) | 3.824 | 2.500 | 153* | 70-130 |
| Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA) | 3.241 | 2.500 | 129.6 | 70-130 |
| Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS) | 3.545 | 2.395 | 147.7* | 70-130 |
| Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA) | 1.894 | 1.250 | 151.5* | 70-130 |
| Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA) | 8.025 | 5.000 | 160.5* | 70-130 |
| Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA) | 1.718 | 1.250 | 137.4* | 70-130 |
| Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS) | 3.556 | 2.370 | 150* | 70-130 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2D4]Hexanesulfonic Acid (13C2D4-4:2FTS) | 5.572 | 5.000 | 111.5 | 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\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

Method: EPA1633F_250303.qmethod
Calibration: 250303_1633_ICAL

ID: WG2038851-1,1633LOW
Name: SCI09_250311_09.wiff2
Date & Time: 2025-03-11T06:50:38
Description: WG2038851,WG2030000,ICAL22044,1633LOW
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:AC

LC/MS-MS Method:EPA-1633F

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | PFBA | 375-22-4 | 0.58 | 213.0 / 169.0 | 144556 | M4 | 0.813 | N/A | N/A | N/A | 101.6 |
| 2 | PFPeA | 2706-90-3 | 1.18 | 263.0 / 219.0 | 64035 | | 0.399 | 0.009 | N/A | N/A | 99.8 |
| 3 | PFPeA_2 | 2706-90-3 | 1.18 | 263.0 / 68.9 | 583 | M2 | 0.518 | 0.009 | N/A | N/A | 129.5 |
| 4 | PFHxA | 307-24-4 | 1.94 | 313.0 / 269.0 | 40601 | | 0.209 | 0.101 | 0.081 | Pass | 104.4 |
| 5 | PFHxA_2 | 307-24-4 | 1.94 | 313.0 / 119.0 | 4098 | | 0.248 | 0.101 | 0.081 | Pass | 123.9 |
| 6 | PFHpA | 375-85-9 | 2.52 | 363.1 / 319.0 | 47498 | | 0.178 | 0.359 | 0.373 | Pass | 89.1 |
| 7 | PFHpA_2 | 375-85-9 | 2.52 | 363.1 / 169.0 | 17055 | | 0.162 | 0.359 | 0.373 | Pass | 81.0 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | PFOA | 335-67-1 | 3.00 | 413.1 / 369.1 | 47954 | M5 | 0.205 | 0.399 | 0.424 | Pass | 102.6 |
| 9 | PFOA_2 | 335-67-1 | 3.00 | 413.1 / 169.0 | 19126 | M5 | 0.193 | 0.399 | 0.424 | Pass | 96.7 |
| 10 | PFNA | 375-95-1 | 3.43 | 462.8 / 418.9 | 32832 | M5 | 0.237 | 0.487 | 0.493 | Pass | 118.6 |
| 11 | PFNA_2 | 375-95-1 | 3.44 | 462.8 / 219.0 | 16005 | M5 | 0.237 | 0.487 | 0.493 | Pass | 118.7 |
| 12 | PFDA | 335-76-2 | 3.85 | 513.1 / 469.1 | 42897 | | 0.180 | 0.181 | 0.188 | Pass | 90.0 |
| 13 | PFDA_2 | 335-76-2 | 3.85 | 513.1 / 219.0 | 7744 | | 0.177 | 0.181 | 0.188 | Pass | 88.3 |
| 14 | PFUnA | 2058-94-8 | 4.25 | 563.1 / 519.1 | 47725 | | 0.195 | 0.140 | 0.146 | Pass | 97.3 |
| 15 | PFUnA_2 | 2058-94-8 | 4.25 | 563.1 / 269.0 | 6660 | | 0.189 | 0.140 | 0.146 | Pass | 94.5 |
| 16 | PFDoA | 307-55-1 | 4.63 | 613.1 / 569.1 | 55156 | | 0.202 | 0.138 | 0.142 | Pass | 101.1 |
| 17 | PFDoA_2 | 307-55-1 | 4.63 | 613.1 / 319.0 | 7608 | | 0.202 | 0.138 | 0.142 | Pass | 101.2 |
| 18 | PFTrDA | 72629-94-8 | 5.01 | 663.1 / 619.1 | 62338 | | 0.260 | 0.162 | 0.152 | Pass | 130.1 |
| 19 | PFTrDA_2 | 72629-94-8 | 5.01 | 663.1 / 169.0 | 10109 | | 0.275 | 0.162 | 0.152 | Pass | 137.3 |
| 20 | PFTeDA | 376-06-7 | 5.37 | 713.1 / 669.1 | 50894 | | 0.202 | 0.165 | 0.154 | Pass | 101.2 |
| 21 | PFTeDA_2 | 376-06-7 | 5.37 | 713.1 / 169.0 | 8402 | | 0.205 | 0.165 | 0.154 | Pass | 102.3 |
| 22 | PFBS | 375-73-5 | 1.94 | 299.1 / 80.1 | 31009 | | 0.166 | 0.348 | 0.374 | 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 | 1.94 | 299.1 / 99.1 | 10778 | | 0.165 | 0.348 | 0.374 | Pass | 87.9 |
| 24 | PFPeS | 2706-91-4 | 2.58 | 349.1 / 80.1 | 31659 | | 0.179 | 0.308 | 0.314 | Pass | 95.0 |
| 25 | PFPeS_2 | 2706-91-4 | 2.58 | 349.1 / 99.1 | 9745 | | 0.175 | 0.308 | 0.314 | Pass | 93.1 |
| 26 | PFHxS | 355-46-4 | 3.10 | 399.1 / 80.1 | 26732 | M5 | 0.165 | 0.300 | 0.306 | Pass | 90.7 |
| 27 | PFHxS_2 | 355-46-4 | 3.10 | 399.1 / 99.1 | 8011 | M5 | 0.171 | 0.300 | 0.306 | Pass | 93.9 |
| 28 | PFHpS | 375-92-8 | 3.56 | 449.1 / 80.1 | 31312 | | 0.220 | 0.283 | 0.316 | Pass | 115.8 |
| 29 | PFHpS_2 | 375-92-8 | 3.57 | 449.1 / 99.1 | 8869 | | 0.204 | 0.283 | 0.316 | Pass | 107.2 |
| 30 | PFOS | 1763-23-1 | 4.00 | 499.1 / 80.1 | 35537 | M5 | 0.205 | 0.251 | 0.244 | Pass | 110.3 |
| 31 | PFOS_2 | 1763-23-1 | 3.99 | 499.1 / 99.1 | 8920 | M5 | 0.205 | 0.251 | 0.244 | Pass | 110.2 |
| 32 | PFNS | 68259-12-1 | 4.40 | 549.1 / 80.1 | 24106 | | 0.204 | 0.266 | 0.294 | Pass | 106.5 |
| 33 | PFNS_2 | 68259-12-1 | 4.40 | 549.1 / 99.1 | 6414 | | 0.190 | 0.266 | 0.294 | Pass | 99.1 |
| 34 | PFDS | 335-77-3 | 4.79 | 599.1 / 80.1 | 24586 | | 0.212 | 0.292 | 0.290 | Pass | 110.0 |
| 35 | PFDS_2 | 335-77-3 | 4.79 | 599.1 / 99.1 | 7176 | | 0.219 | 0.292 | 0.290 | Pass | 113.7 |
| 36 | PFDoS | 79780-39-5 | 5.53 | 699.2 / 80.1 | 20912 | | 0.198 | 0.248 | 0.256 | Pass | 102.1 |
| 37 | PFDoS_2 | 79780-39-5 | 5.53 | 699.2 / 99.1 | 5192 | | 0.191 | 0.248 | 0.256 | Pass | 98.4 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 38 | 4:2FTS | 757124-72-4 | 1.73 | 327.1 / 307.1 | 25891 | | 0.770 | 0.644 | 0.650 | Pass | 102.7 |
| 39 | 4:2FTS_2 | 757124-72-4 | 1.73 | 327.1 / 81.1 | 16669 | | 0.768 | 0.644 | 0.650 | Pass | 102.4 |
| 40 | 6:2FTS | 27619-97-2 | 2.82 | 427.2 / 407.2 | 24149 | | 0.751 | 0.620 | 0.620 | Pass | 98.7 |
| 41 | 6:2FTS_2 | 27619-97-2 | 2.82 | 427.2 / 81.1 | 14984 | | 0.727 | 0.620 | 0.620 | Pass | 95.6 |
| 42 | 8:2FTS | 39108-34-4 | 3.67 | 527.2 / 507.2 | 17963 | | 0.703 | 0.746 | 0.676 | Pass | 91.5 |
| 43 | 8:2FTS_2 | 39108-34-4 | 3.67 | 527.2 / 81.1 | 13406 | | 0.762 | 0.746 | 0.676 | Pass | 99.2 |
| 44 | PFOSA | 754-91-6 | 5.23 | 498.1 / 78.1 | 45401 | M5 | 0.199 | 0.025 | 0.026 | Pass | 99.5 |
| 45 | PFOSA_2 | 754-91-6 | 5.19 | 498.1 / 478.0 | 1131 | M5 | 0.192 | 0.025 | 0.026 | Pass | 96.0 |
| 46 | NMeFOSA | 31506-32-8 | 5.96 | 512.2 / 219.0 | 10664 | M5 | 0.209 | 1.403 | 1.377 | Pass | 104.5 |
| 47 | NMeFOSA_2 | 31506-32-8 | 5.91 | 512.2 / 169.0 | 14962 | M5 | 0.211 | 1.403 | 1.377 | Pass | 105.5 |
| 48 | NEtFOSA | 4151-50-2 | 6.25 | 526.2 / 219.0 | 10046 | M5 | 0.198 | 1.186 | 1.292 | Pass | 99.2 |
| 49 | NEtFOSA_2 | 4151-50-2 | 6.21 | 526.2 / 169.0 | 11911 | M5 | 0.188 | 1.186 | 1.292 | Pass | 94.3 |
| 50 | NMeFOSAA | 2355-31-9 | 3.98 | 570.2 / 419.1 | 4870 | M5 | 0.187 | 0.769 | 0.697 | Pass | 93.4 |
| 51 | NMeFOSAA_2 | 2355-31-9 | 3.97 | 570.2 / 483.0 | 3747 | M5 | 0.200 | 0.769 | 0.697 | Pass | 100.0 |
| 52 | NEtFOSAA | 2991-50-6 | 4.19 | 584.2 / 419.1 | 5983 | M5 | 0.242 | 0.511 | 0.557 | Pass | 120.9 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | NEtFOSAA_2 | 2991-50-6 | 4.18 | 584.2 / 526.2 | 3058 | M5 | 0.224 | 0.511 | 0.557 | Pass | 112.1 |
| 54 | NMeFOSE | 24448-09-7 | 5.82 | 616.1 / 58.9 | 160213 | M5 | 1.991 | N/A | N/A | N/A | 99.5 |
| 55 | NEtFOSE | 1691-99-2 | 6.12 | 630.0 / 58.9 | 217871 | M5 | 1.994 | N/A | N/A | N/A | 99.7 |
| 56 | HFPO-DA | 13252-13-6 | 2.15 | 285.0 / 169.0 | 130354 | | 0.789 | 0.606 | 0.501 | Pass | 98.7 |
| 57 | HFPO-DA_2 | 13252-13-6 | 2.15 | 285.0 / 184.9 | 79001 | | 0.907 | 0.606 | 0.501 | Pass | 113.4 |
| 58 | ADONA | 919005-14-4 | 2.70 | 376.9 / 251.0 | 217829 | | 0.554 | 0.773 | 0.691 | Pass | 73.3 |
| 59 | ADONA_2 | 919005-14-4 | 2.69 | 376.9 / 84.8 | 168377 | | 0.647 | 0.773 | 0.691 | Pass | 85.6 |
| 60 | 9Cl-PF3ONS | 756426-58-1 | 4.28 | 530.8 / 351.1 | 270088 | | 0.915 | 0.309 | 0.332 | Pass | 122.7 |
| 61 | 9Cl-PF3ONS_2 | 756426-58-1 | 4.28 | 532.8 / 353.0 | 83565 | | 0.852 | 0.309 | 0.332 | Pass | 114.2 |
| 62 | 11Cl-PF3OUdS | 763051-92-9 | 5.05 | 630.9 / 451.0 | 229809 | | 0.921 | 0.312 | 0.322 | Pass | 122.1 |
| 63 | 11Cl-PF3OUdS_2 | 763051-92-9 | 5.05 | 632.9 / 452.9 | 71771 | | 0.896 | 0.312 | 0.322 | Pass | 118.8 |
| 64 | 3:3FTCA | 356-02-5 | 1.59 | 241.1 / 177.1 | 12702 | | 1.025 | 1.021 | 1.010 | Pass | 102.6 |
| 65 | 3:3FTCA_2 | 356-02-5 | 1.59 | 241.1 / 117.0 | 12972 | | 0.965 | 1.021 | 1.010 | Pass | 96.5 |
| 66 | 5:3FTCA | 914637-49-3 | 3.04 | 341.1 / 237.1 | 256561 | | 5.275 | 1.040 | 1.017 | Pass | 105.5 |
| 67 | 5:3FTCA_2 | 914637-49-3 | 3.04 | 341.1 / 217.0 | 266848 | | 5.445 | 1.040 | 1.017 | Pass | 108.9 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 7:3FTCA | 812-70-4 | 4.06 | 441.1 / 316.9 | 209295 | | 5.570 | 1.381 | 1.343 | Pass | 111.4 |
| 69 | 7:3FTCA_2 | 812-70-4 | 4.06 | 441.1 / 337.1 | 288999 | | 5.818 | 1.381 | 1.343 | Pass | 116.4 |
| 70 | PFEESA | 113507-82-7 | 2.24 | 315.1 / 135.0 | 196746 | | 0.389 | 0.075 | 0.081 | Pass | 109.0 |
| 71 | PFEESA_2 | 113507-82-7 | 2.24 | 315.1 / 82.9 | 14821 | | 0.356 | 0.075 | 0.081 | Pass | 99.9 |
| 72 | PFMPA | 377-73-1 | 0.74 | 229.0 / 85.0 | 69222 | | 0.372 | N/A | N/A | N/A | 93.1 |
| 73 | PFMBA | 863090-89-5 | 1.45 | 279.0 / 85.0 | 75835 | | 0.413 | N/A | N/A | N/A | 103.3 |
| 74 | NFDHA | 151772-58-6 | 1.86 | 295.0 / 201.0 | 53503 | | 0.404 | 0.795 | 0.681 | Pass | 101.1 |
| 75 | NFDHA_2 | 151772-58-6 | 1.86 | 295.0 / 84.9 | 42537 | | 0.454 | 0.795 | 0.681 | Pass | 113.6 |
| 76 | TDCA | 516-50-7 | N/A | 499.1 / 124.1 | N/A | | N/A | N/A | 5.680 | N/A | N/A |
| 77 | TDCA_2 | 516-50-7 | N/A | 499.1 / 79.9 | N/A | | N/A | N/A | 5.680 | N/A | N/A |
| 78 | 13C2D4-4:2FTS | Surr | 1.72 | 333.2 / 312.1 | 145163 | | 4.841 | N/A | N/A | N/A | 96.8 |
| 79 | 13C2-PFOA | Surr | 2.99 | 415.0 / 370.0 | 370695 | | 2.637 | N/A | N/A | N/A | 105.5 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C4-PFBA | EIS | 0.58 | 217.0 / 172.0 | 1989600 | | 10.087 | NA | NA | NA | 100.9 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C5-PFPeA | EIS | 1.18 | 268.0 / 223.0 | 835752 | | 5.066 | NA | NA | NA | 101.3 |
| | 13C5-PFHxA | EIS | 1.93 | 318.0 / 273.0 | 379756 | | 2.449 | NA | NA | NA | 97.9 |
| | 13C4-PFHpA | EIS | 2.51 | 367.0 / 322.0 | 459139 | | 3.069 | NA | NA | NA | 122.8 |
| | 13C8-PFOA | EIS | 2.99 | 420.8 / 376.0 | 683324 | | 2.704 | NA | NA | NA | 108.2 |
| | 13C9-PFNA | EIS | 3.43 | 472.0 / 427.0 | 256640 | | 1.143 | NA | NA | NA | 91.4 |
| | 13C6-PFDA | EIS | 3.85 | 519.0 / 474.0 | 336840 | | 1.450 | NA | NA | NA | 116.0 |
| | 13C7-PFUnA | EIS | 4.24 | 570.0 / 525.0 | 362038 | | 1.412 | NA | NA | NA | 113.0 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C2-PFDoA | EIS | 4.63 | 615.1 / 570.0 | 360835 | | 1.399 | NA | NA | NA | 112.0 |
| | 13C2-PFTeDA | EIS | 5.37 | 715.1 / 670.1 | 276710 | | 1.655 | NA | NA | NA | 132.4 |
| | 13C3-PFBS | EIS | 1.93 | 302.1 / 80.1 | 410350 | | 2.413 | NA | NA | NA | 103.6 |
| | 13C3-PFHxS | EIS | 3.10 | 402.1 / 80.1 | 370391 | | 2.450 | NA | NA | NA | 103.4 |
| | 13C8-PFOS | EIS | 3.99 | 507.1 / 80.1 | 363266 | | 2.445 | NA | NA | NA | 101.9 |
| | 13C2-4:2FTS | EIS | 1.73 | 329.1 / 81.1 | 102460 | | 4.085 | NA | NA | NA | 87.1 |
| | 13C2-6:2FTS | EIS | 2.81 | 429.2 / 81.1 | 95107 | | 4.404 | NA | NA | NA | 92.5 |
| | 13C2-8:2FTS | EIS | 3.66 | 529.2 / 81.1 | 92232 | | 4.554 | NA | NA | NA | 94.9 |

| Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| 13C8-PFOSA | EIS | 5.22 | 506.1 / 78.1 | 712086 | | 3.019 | NA | NA | NA | 120.7 |
| d3-NMeFOSA | EIS | 5.95 | 515.2 / 219.0 | 113858 | | 2.673 | NA | NA | NA | 106.9 |
| d5-NEtFOSA | EIS | 6.23 | 531.2 / 219.0 | 103923 | | 2.683 | NA | NA | NA | 107.3 |
| d3-NMeFOSAA | EIS | 3.97 | 573.2 / 419.1 | 143404 | | 4.942 | NA | NA | NA | 98.8 |
| d5-NEtFOSAA | EIS | 4.18 | 589.3 / 419.1 | 114157 | | 4.824 | NA | NA | NA | 96.5 |
| d7-NMeFOSE | EIS | 5.80 | 623.2 / 58.9 | 888147 | | 28.987 | NA | NA | NA | 115.9 |
| d9-NEtFOSE | EIS | 6.09 | 639.2 / 58.9 | 1156572 | | 28.140 | NA | NA | NA | 112.6 |

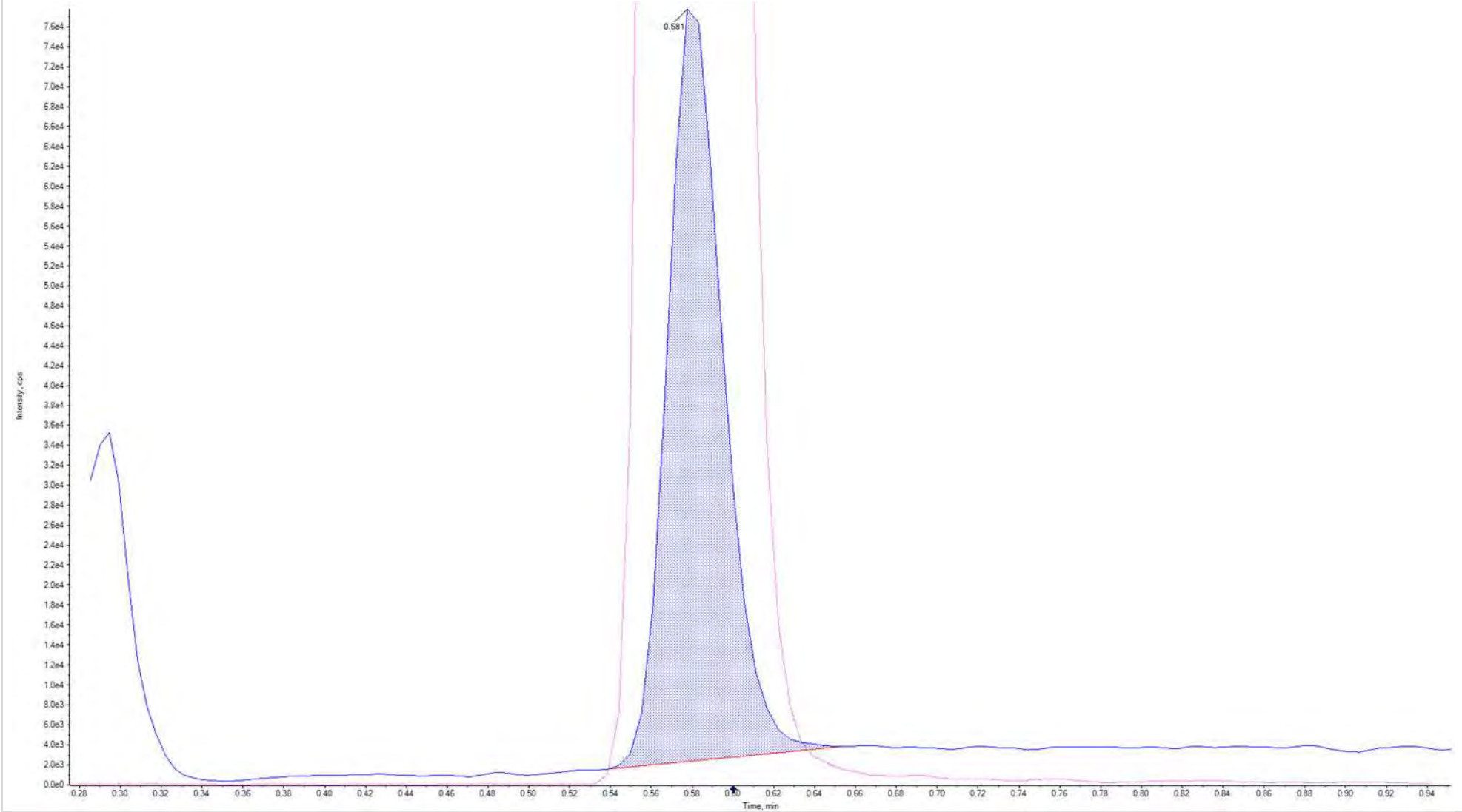
| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C3-HFPO-DA | EIS | 2.15 | 287.0 / 169.0 | 1629816 | | 9.935 | NA | NA | NA | 99.4 |
| | 13C3-PFBA | NIS | 0.58 | 216.0 / 172.0 | 872781 | | 6.022 | NA | NA | NA | 120.4 |
| | 13C2-PFHxA | NIS | 1.93 | 315.0 / 270.0 | 456693 | | 2.818 | NA | NA | NA | 112.7 |
| | 13C4-PFOA | NIS | 2.99 | 417.0 / 372.0 | 384078 | | 2.672 | NA | NA | NA | 106.9 |
| | 13C5-PFNA | NIS | 3.43 | 468.0 / 423.0 | 281286 | | 1.365 | NA | NA | NA | 109.2 |
| | 13C2-PFDA | NIS | 3.84 | 515.1 / 470.1 | 271061 | | 1.275 | NA | NA | NA | 102.0 |
| | 18O2-PFHxS | NIS | 3.10 | 403.1 / 84.1 | 317885 | | 2.700 | NA | NA | NA | 113.9 |
| | 13C4-PFOS | NIS | 3.99 | 503.1 / 80.1 | 298919 | | 2.486 | NA | NA | NA | 103.6 |

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

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

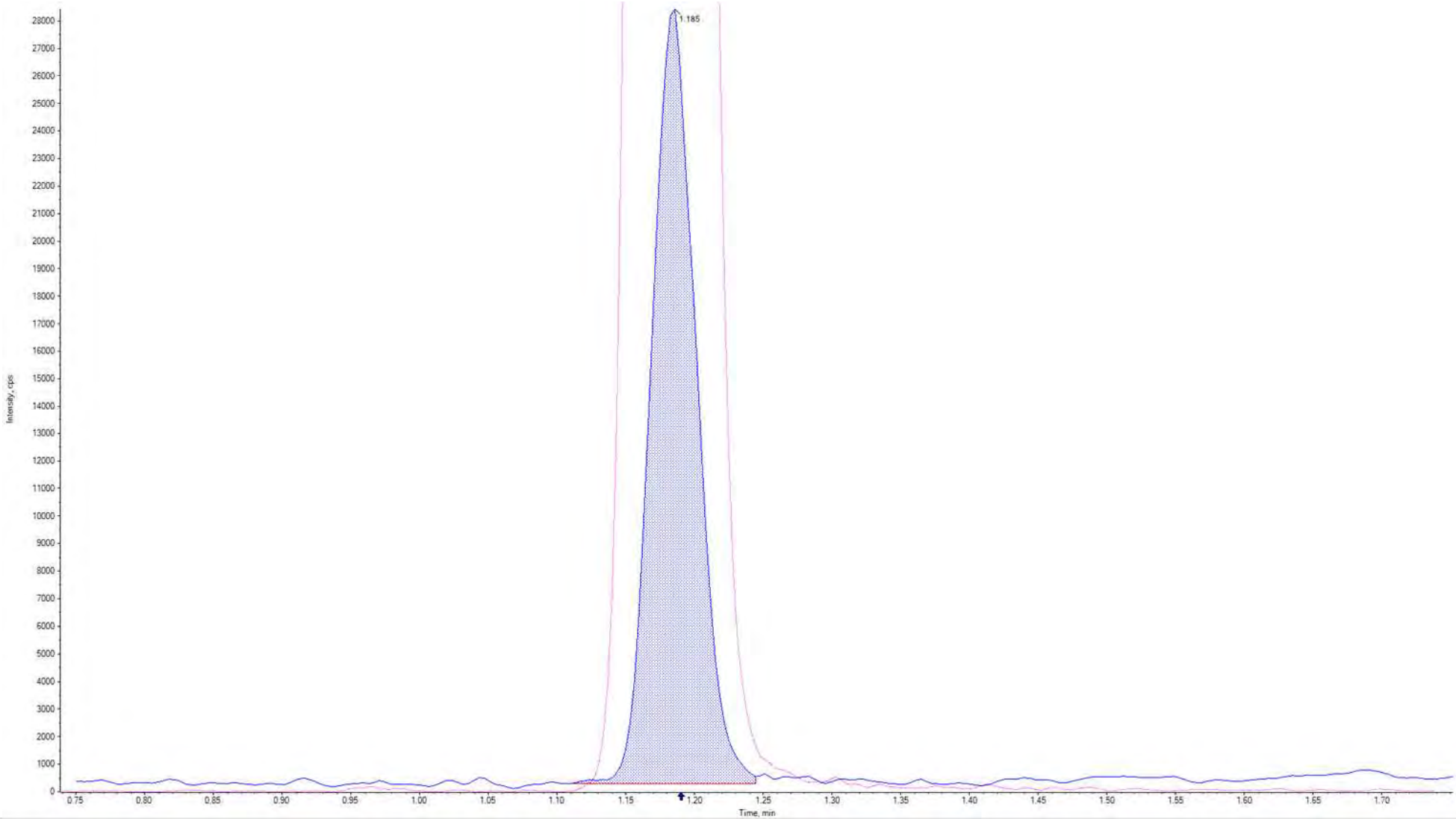
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFBA
Sample: WG2038851-1,1633LOW S/N:433.1 Points Across peak:23



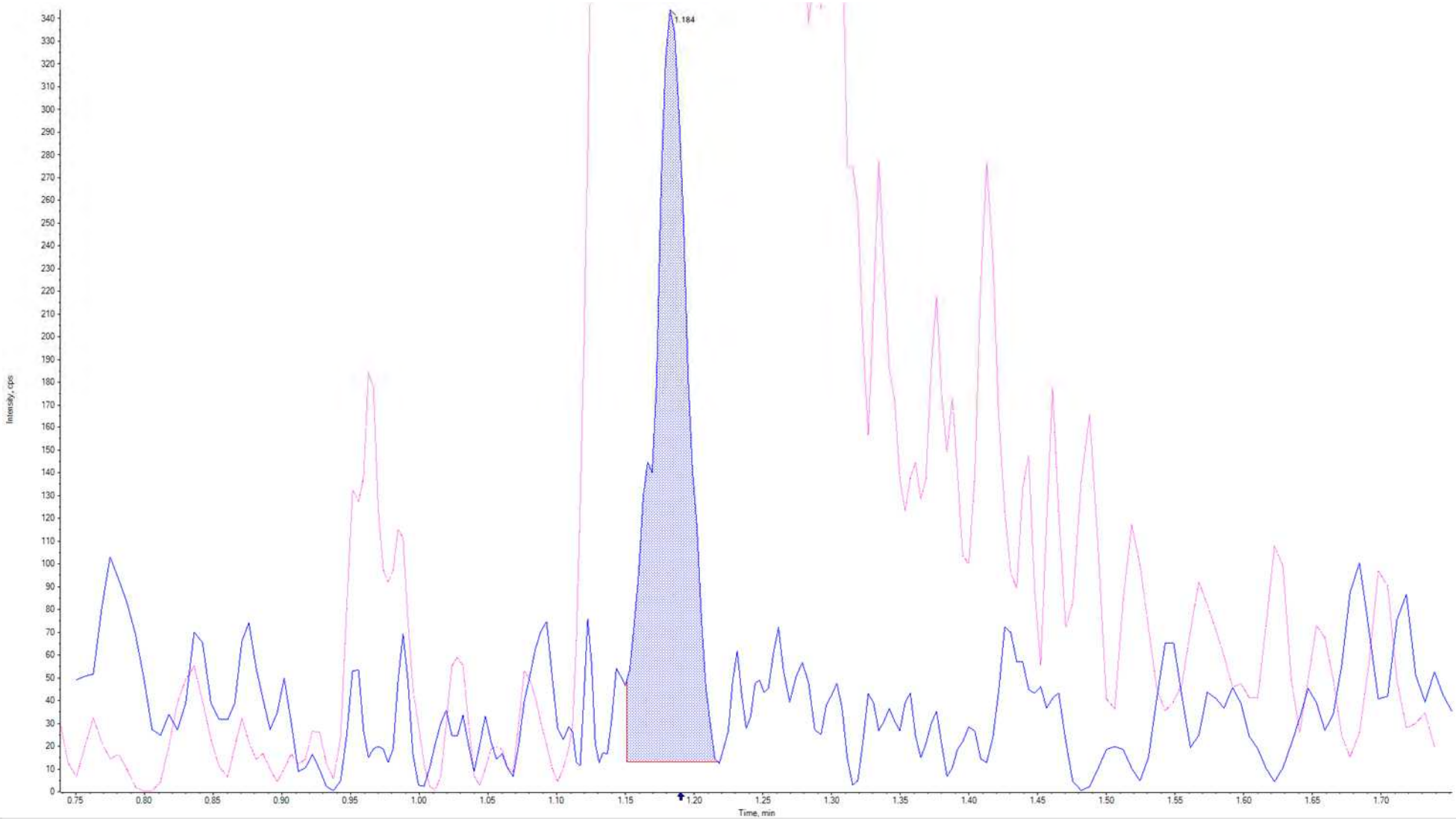
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFPeA
Sample: WG2038851-1,1633LOW S/N:883.1 Points Across peak:45



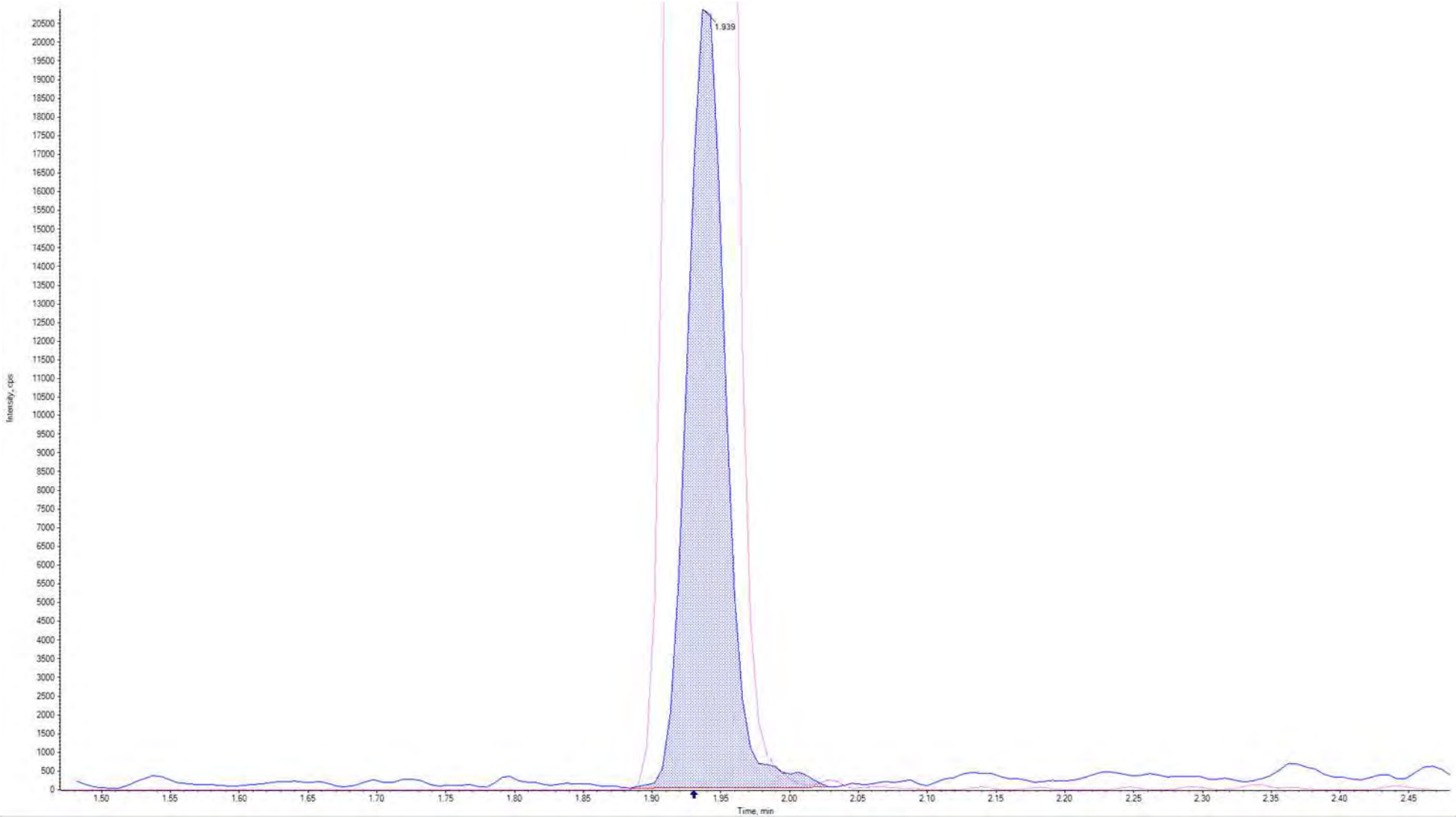
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFPeA_2
Sample: WG2038851-1,1633LOW S/N:19.9 Points Across peak:22



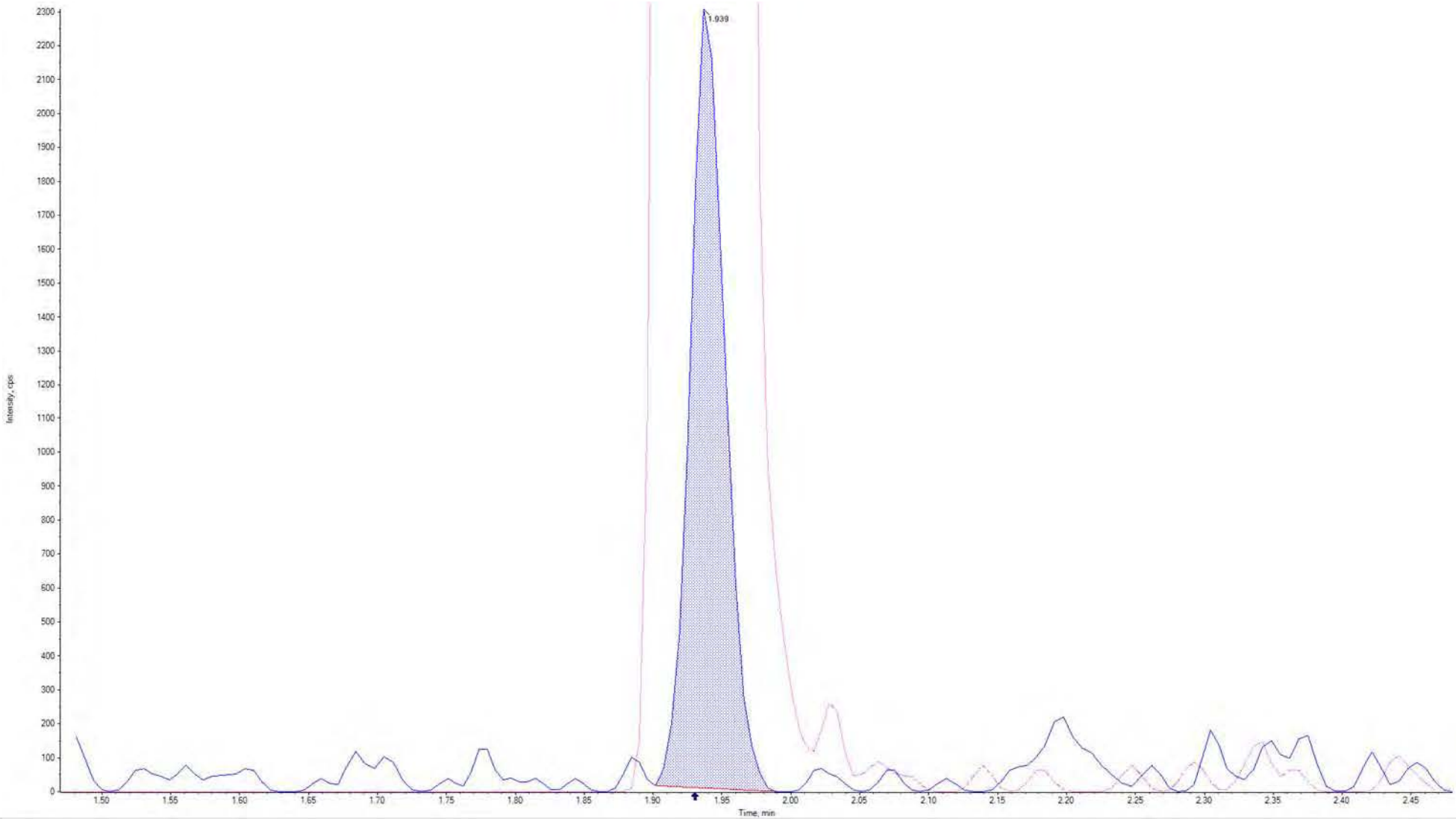
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFHxA
Sample: WG2038851-1,1633LOW S/N:522.1 Points Across peak:27



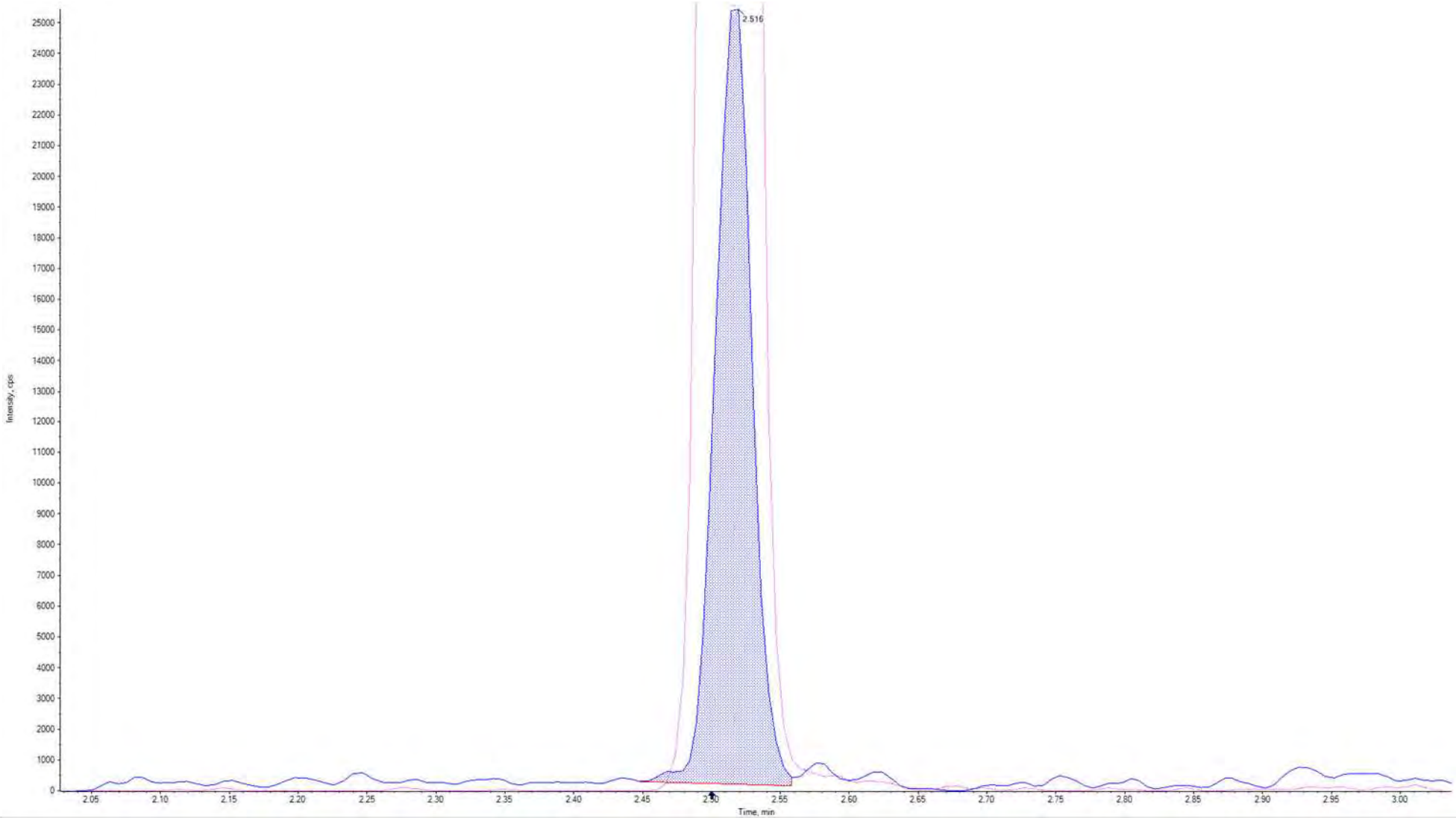
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFHxA_2
Sample: WG2038851-1,1633LOW S/N:57.6 Points Across peak:16



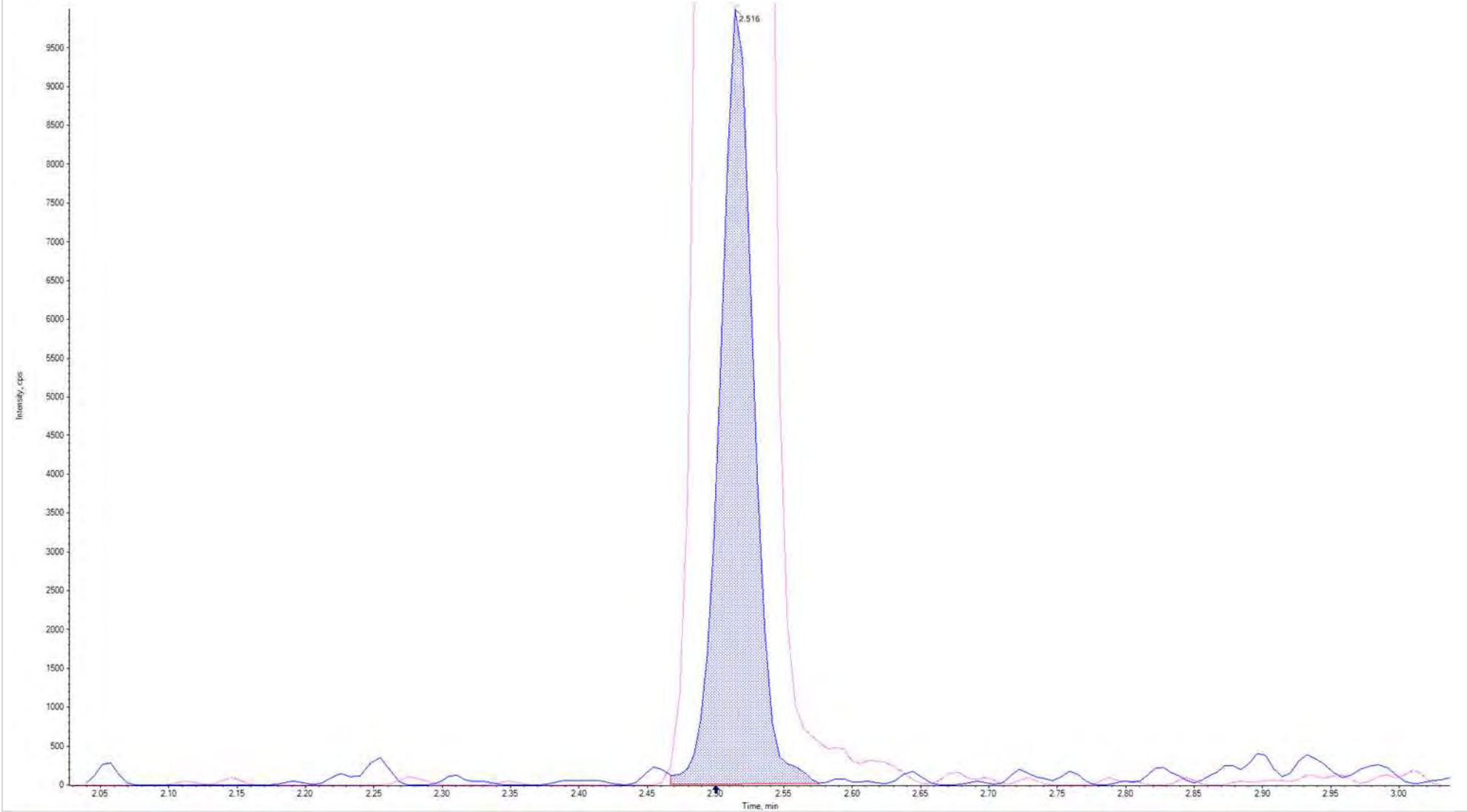
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFHpA
Sample: WG2038851-1,1633LOW S/N:505.9 Points Across peak:21



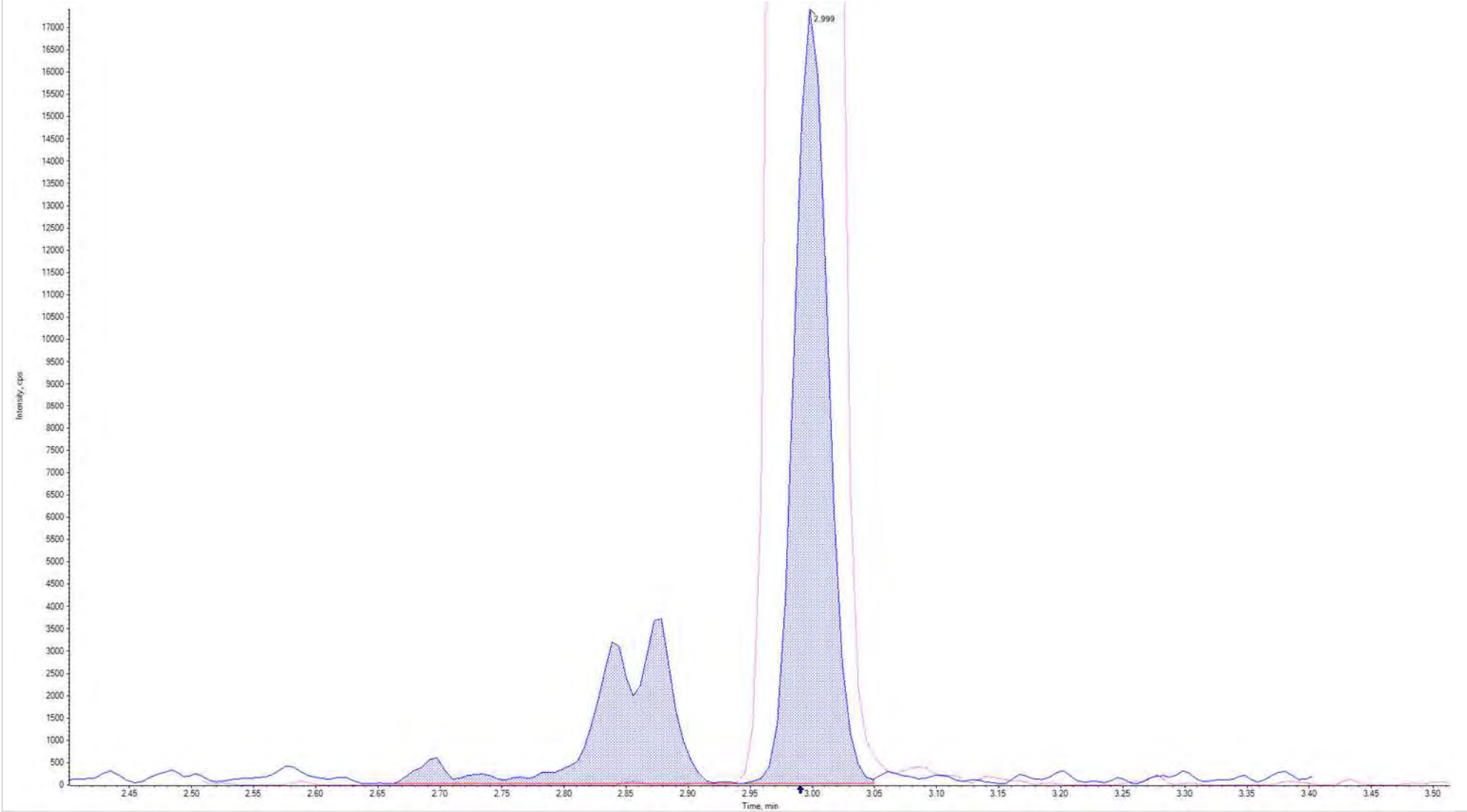
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFHpA_2
Sample: WG2038851-1,1633LOW S/N:200.2 Points Across peak:21



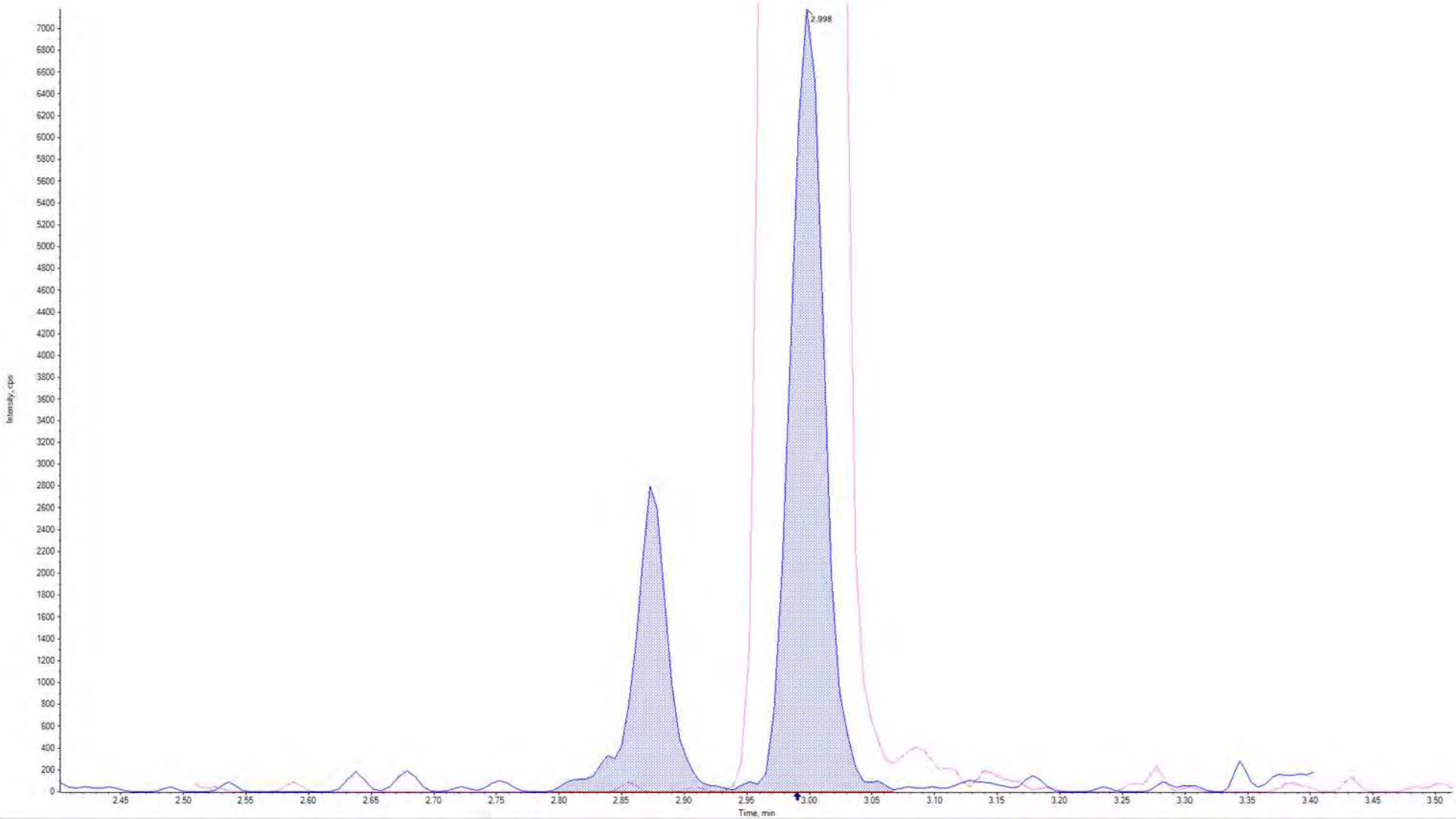
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFOA
Sample: WG2038851-1,1633LOW S/N:194.6 Points Across peak:66



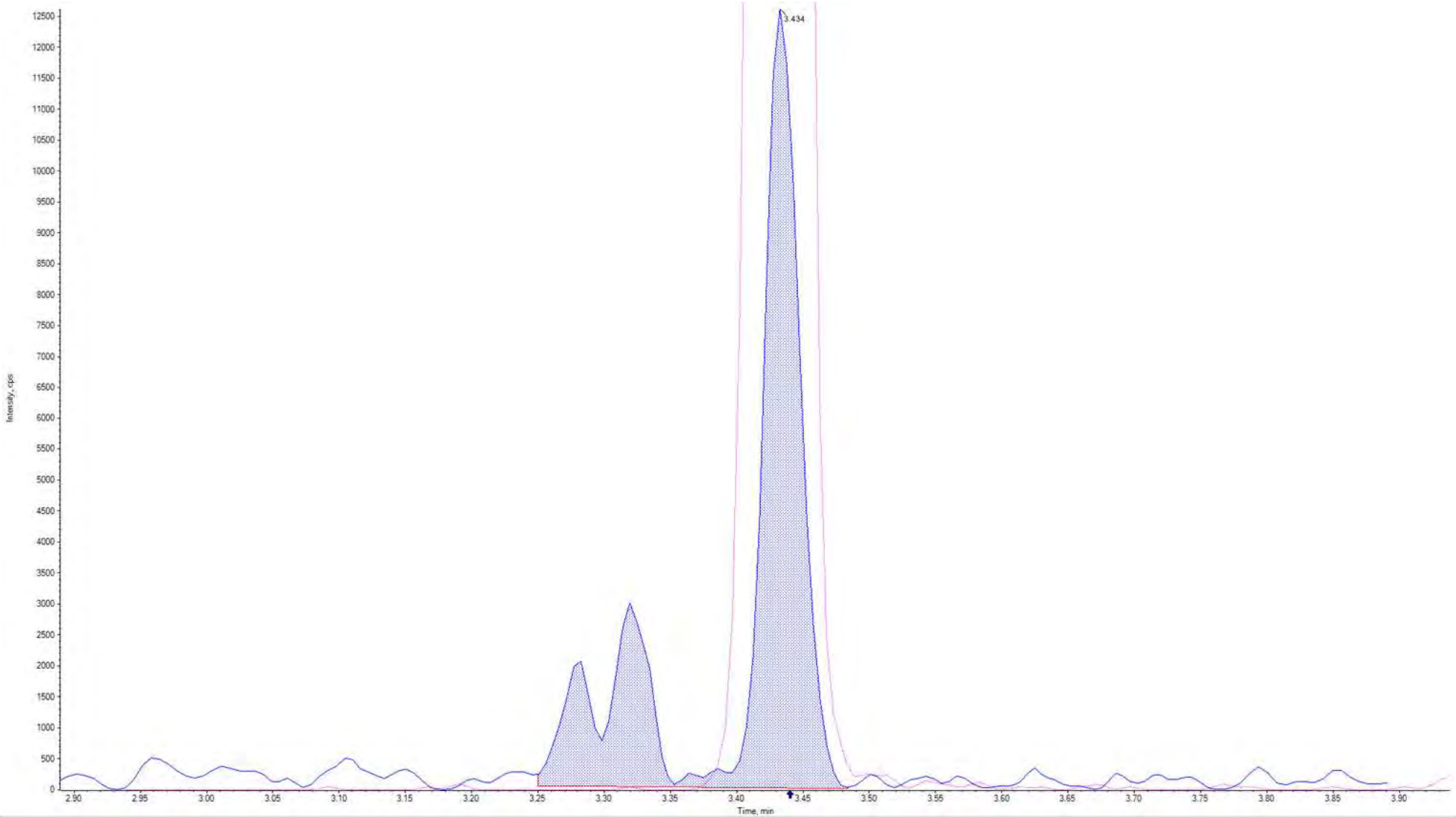
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFOA_2
Sample: WG2038851-1,1633LOW S/N:161.9 Points Across peak:47



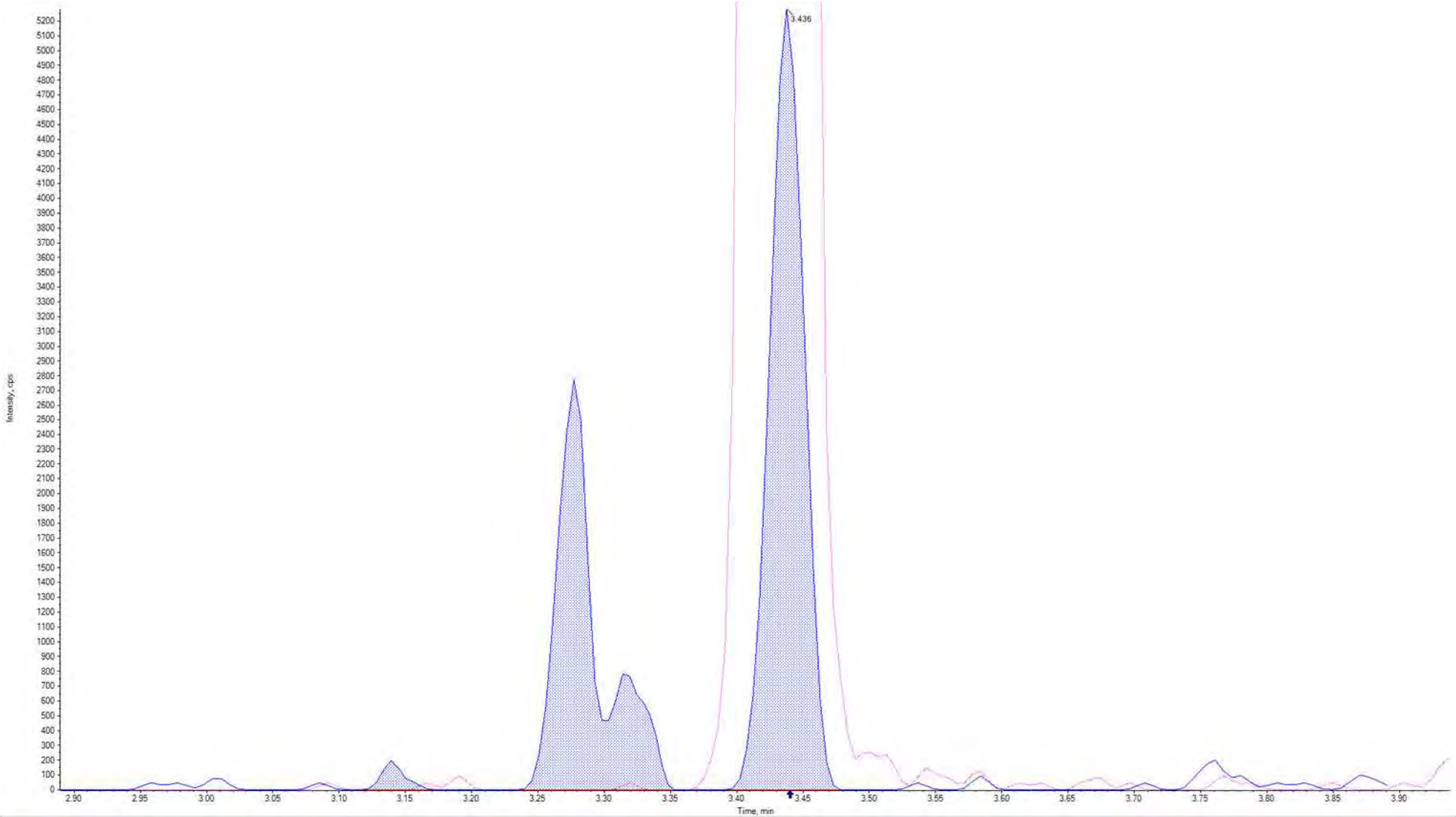
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFNA
Sample: WG2038851-1,1633LOW S/N:117.1 Points Across peak:48



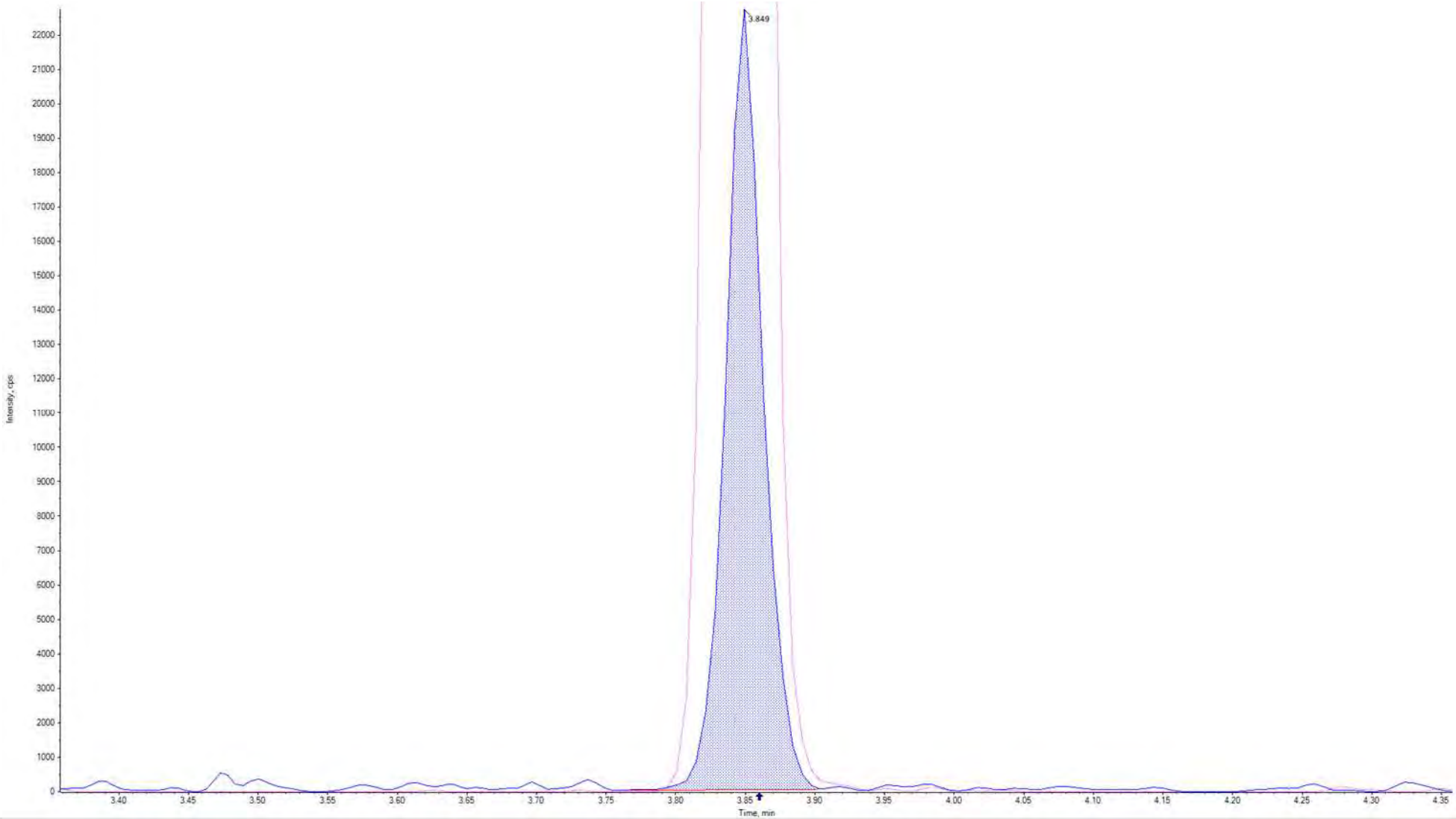
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFNA_2
Sample: WG2038851-1,1633LOW S/N:119.1 Points Across peak:71



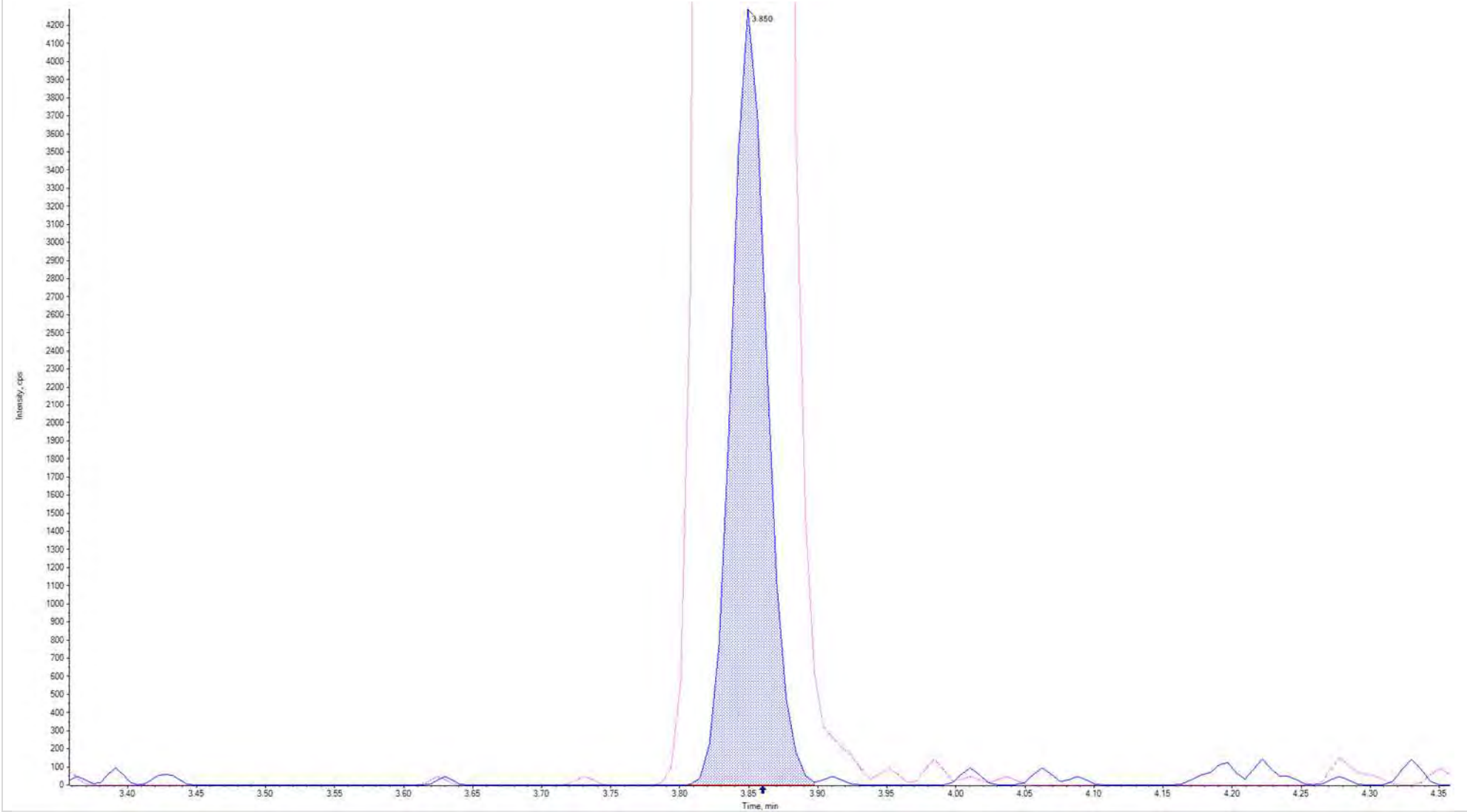
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFDA
Sample: WG2038851-1,1633LOW S/N:455.0 Points Across peak:22



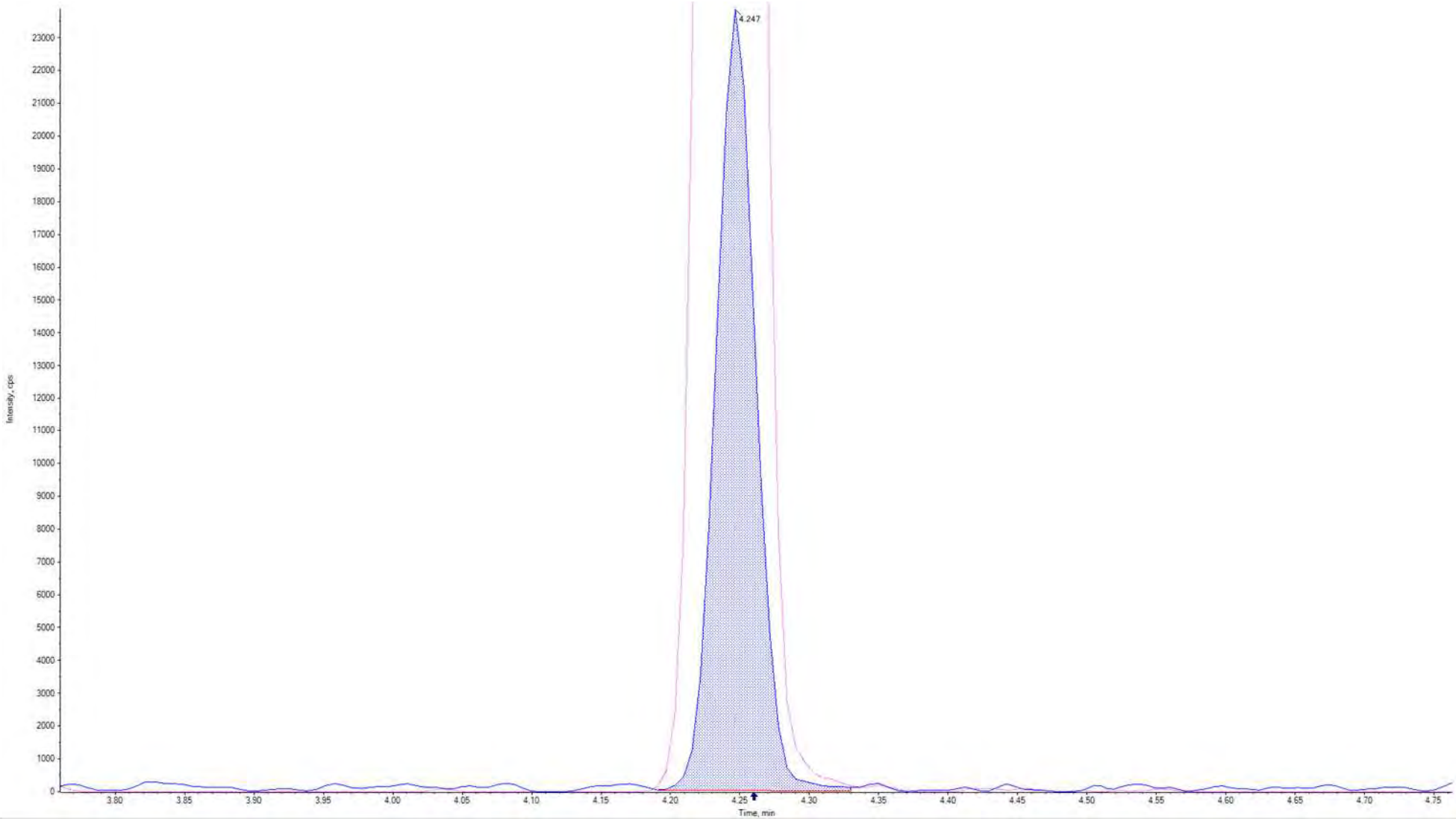
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFDA_2
Sample: WG2038851-1,1633LOW S/N:86.0 Points Across peak:19



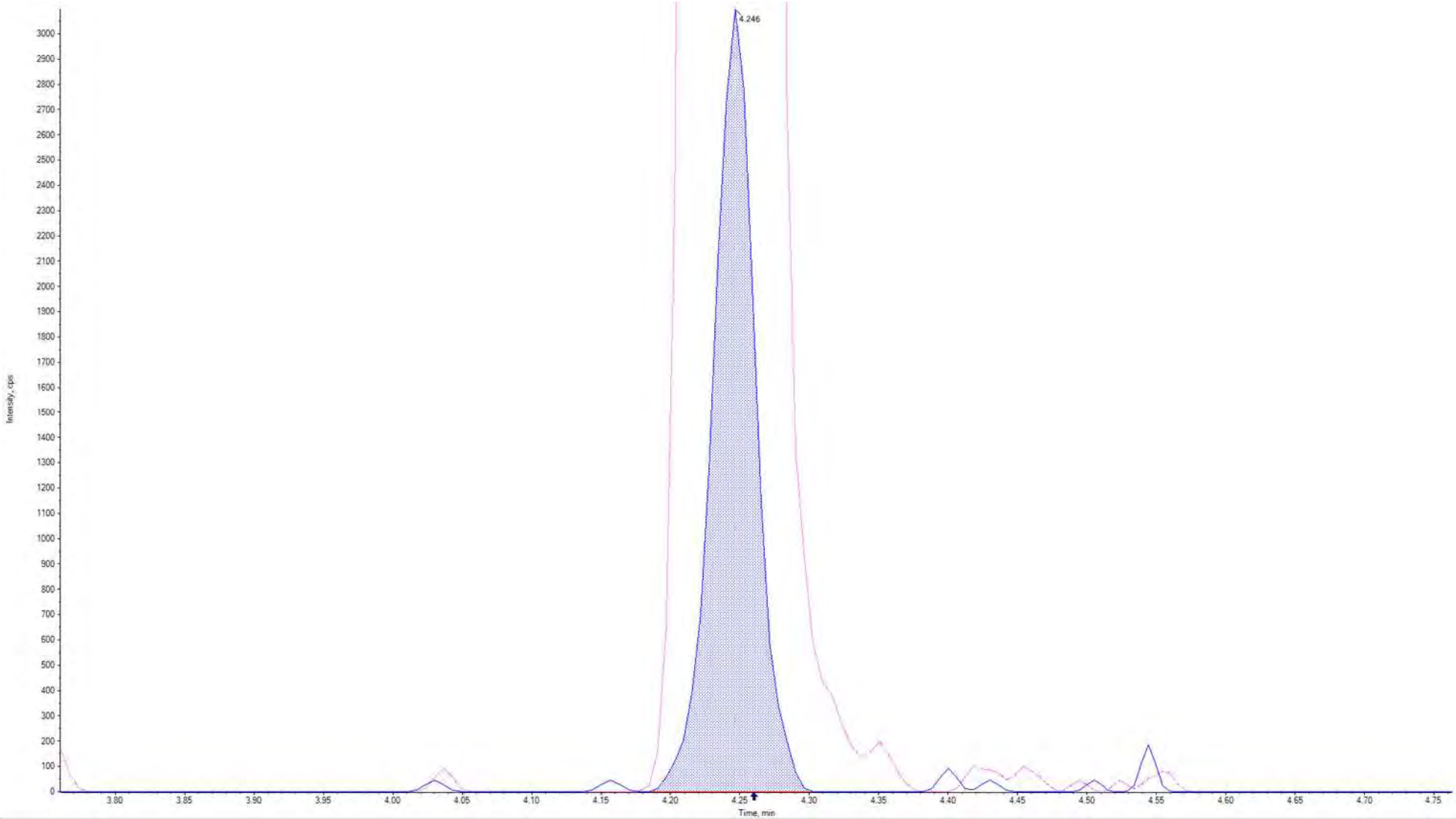
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFUnA
Sample: WG2038851-1,1633LOW S/N:537.6 Points Across peak:23



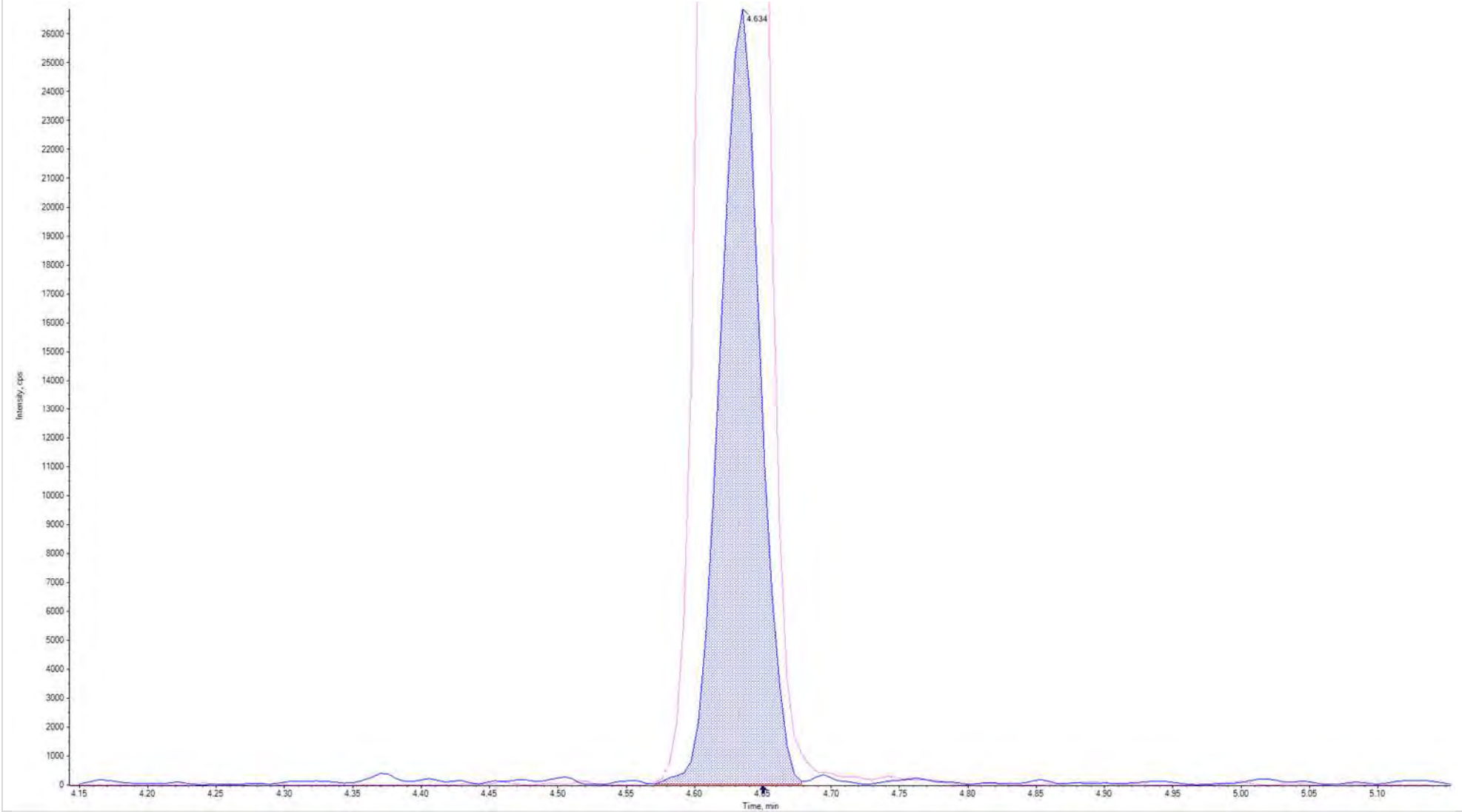
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFUnA_2
Sample: WG2038851-1,1633LOW S/N:69.9 Points Across peak:26



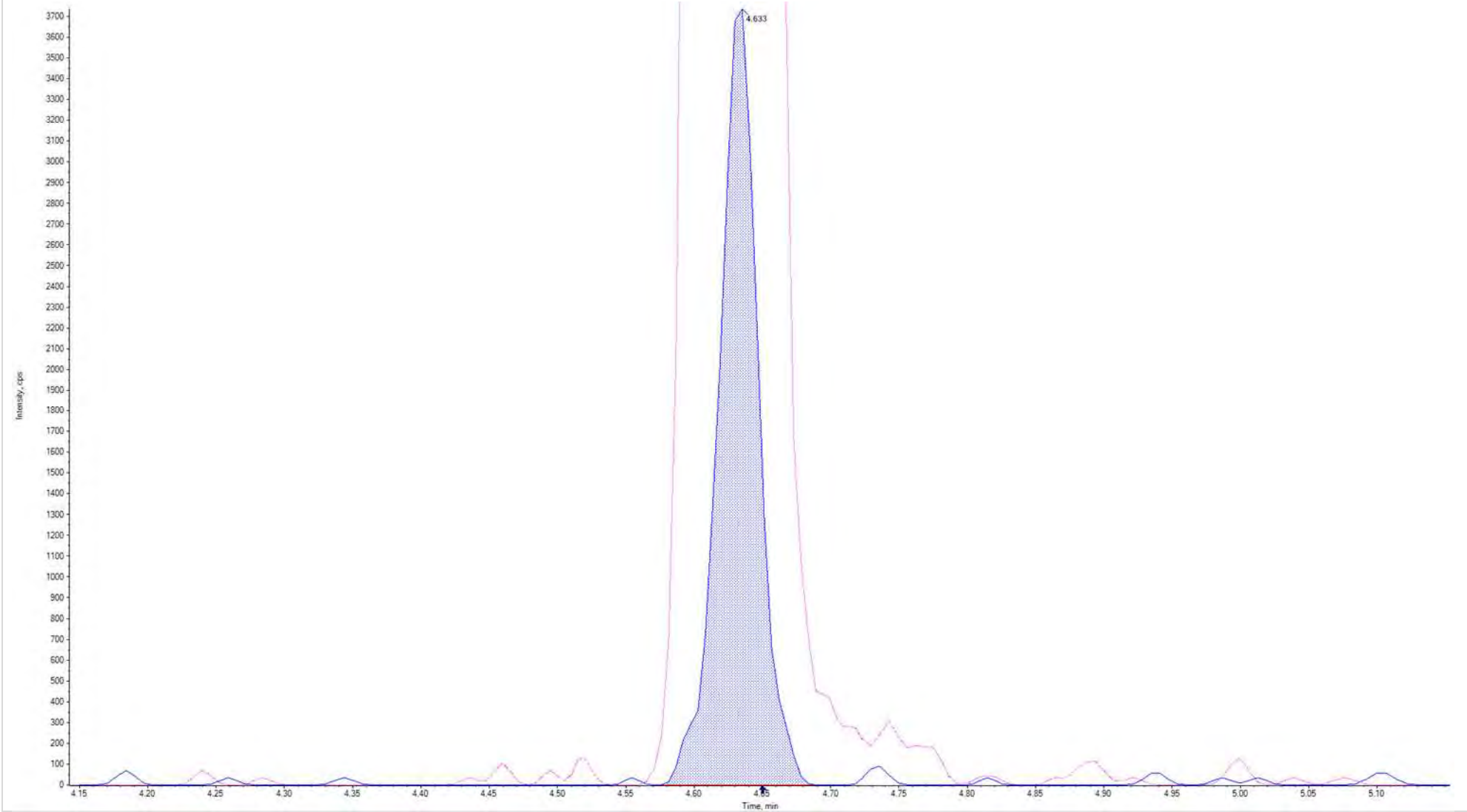
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFDoA
Sample: WG2038851-1,1633LOW S/N:739.5 Points Across peak:21



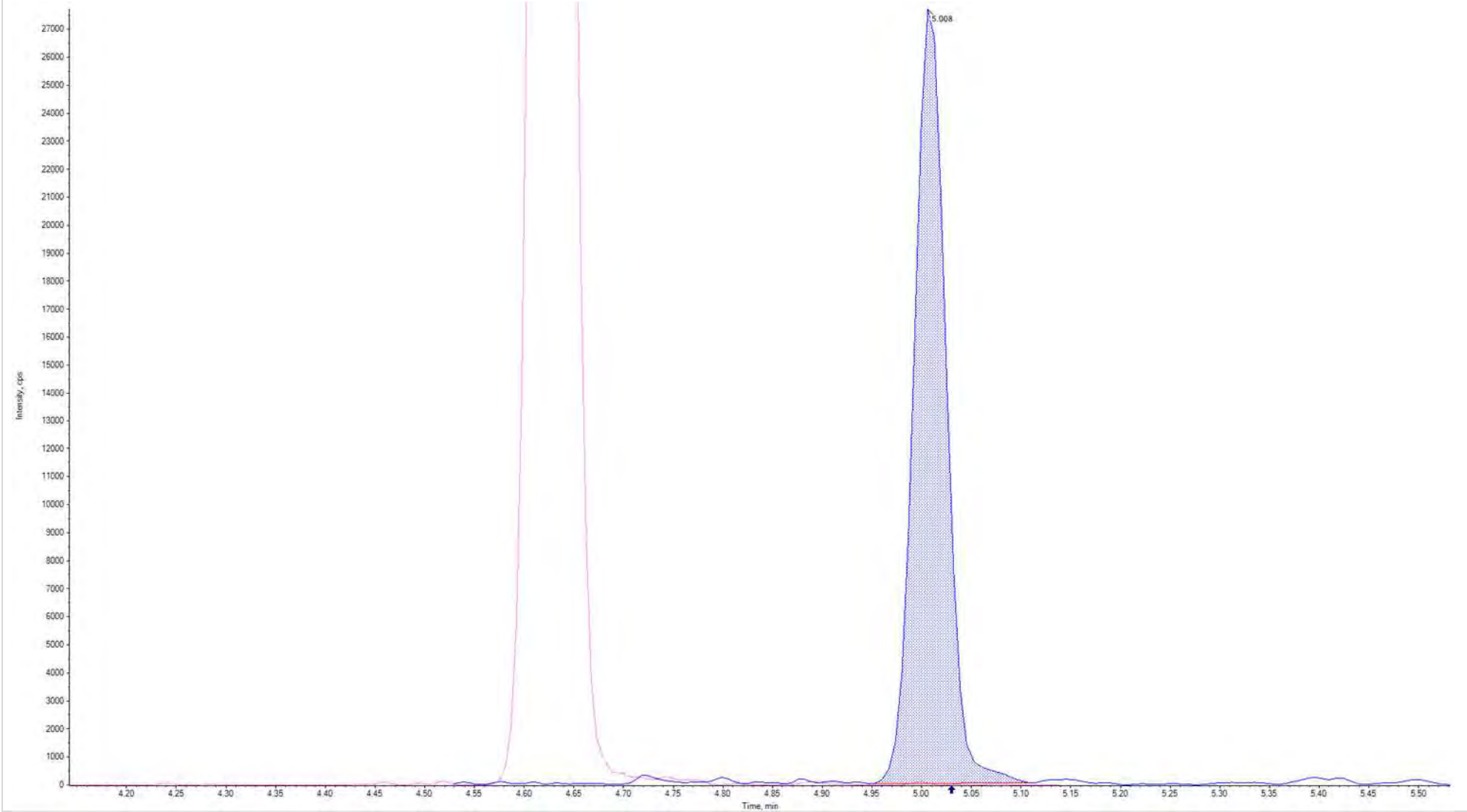
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFDoA_2
Sample: WG2038851-1,1633LOW S/N:103.0 Points Across peak:26



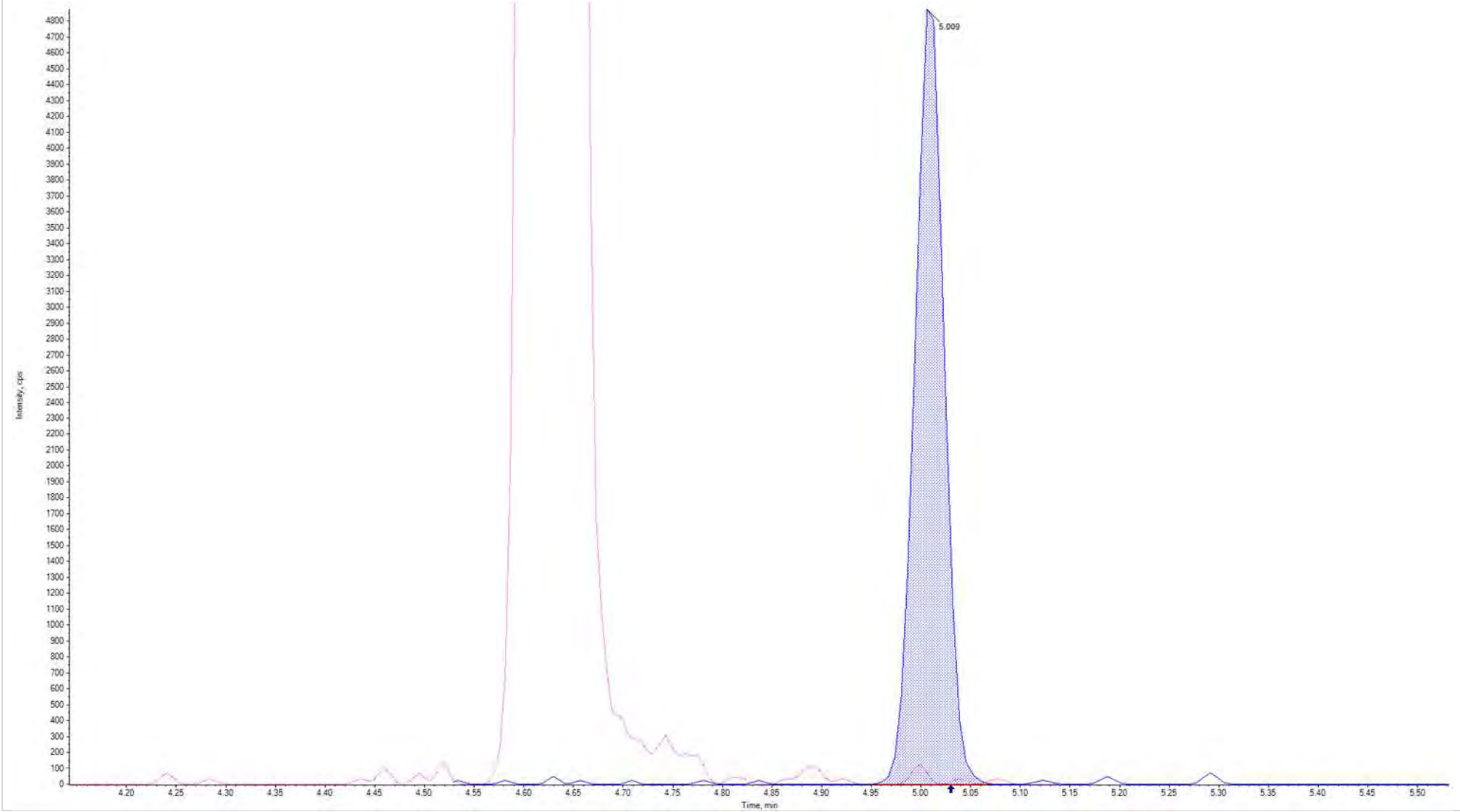
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFTrDA
Sample: WG2038851-1,1633LOW S/N:1109.5 Points Across peak:25



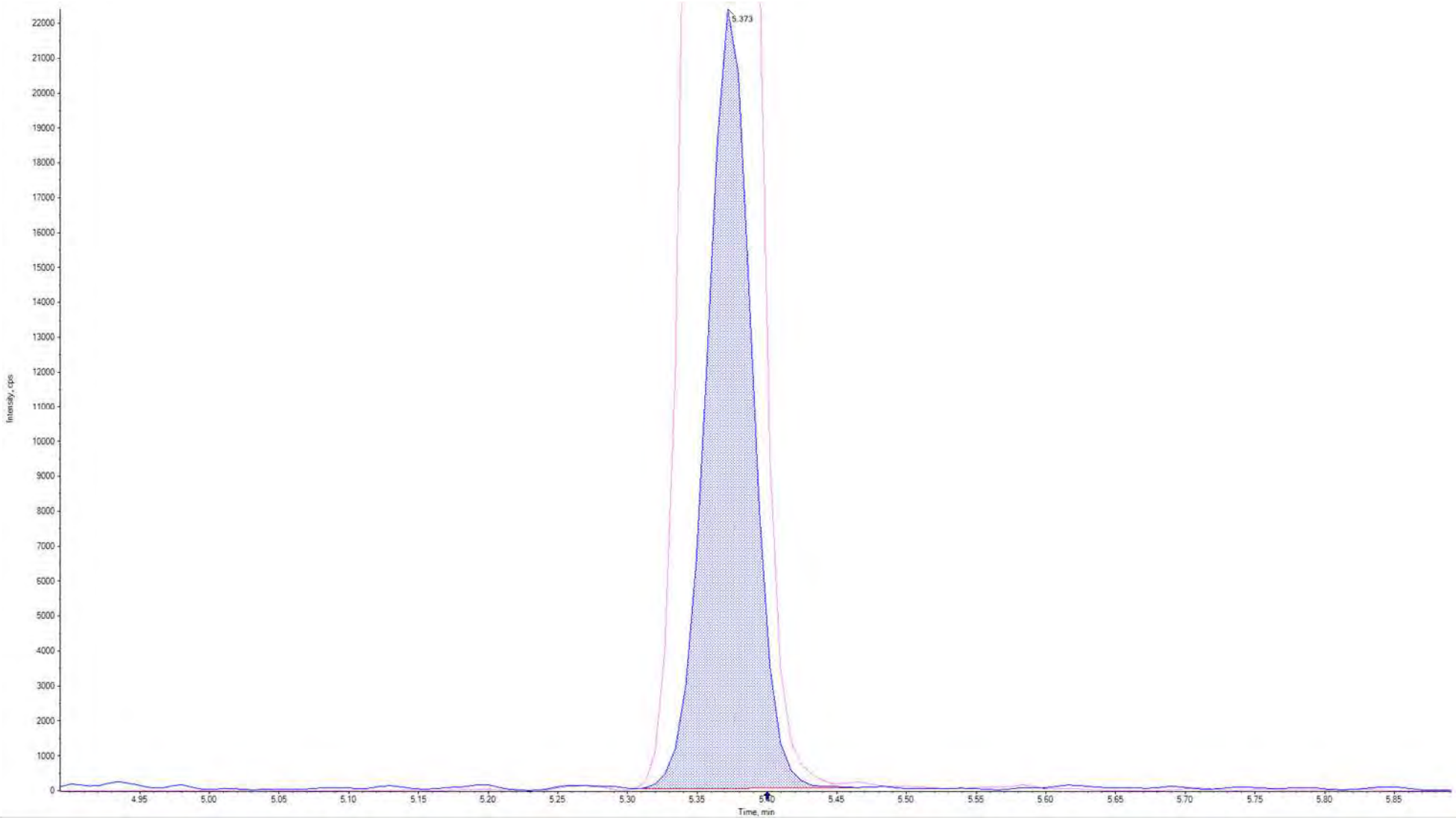
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFTrDA_2
Sample: WG2038851-1,1633LOW S/N:195.5 Points Across peak:24



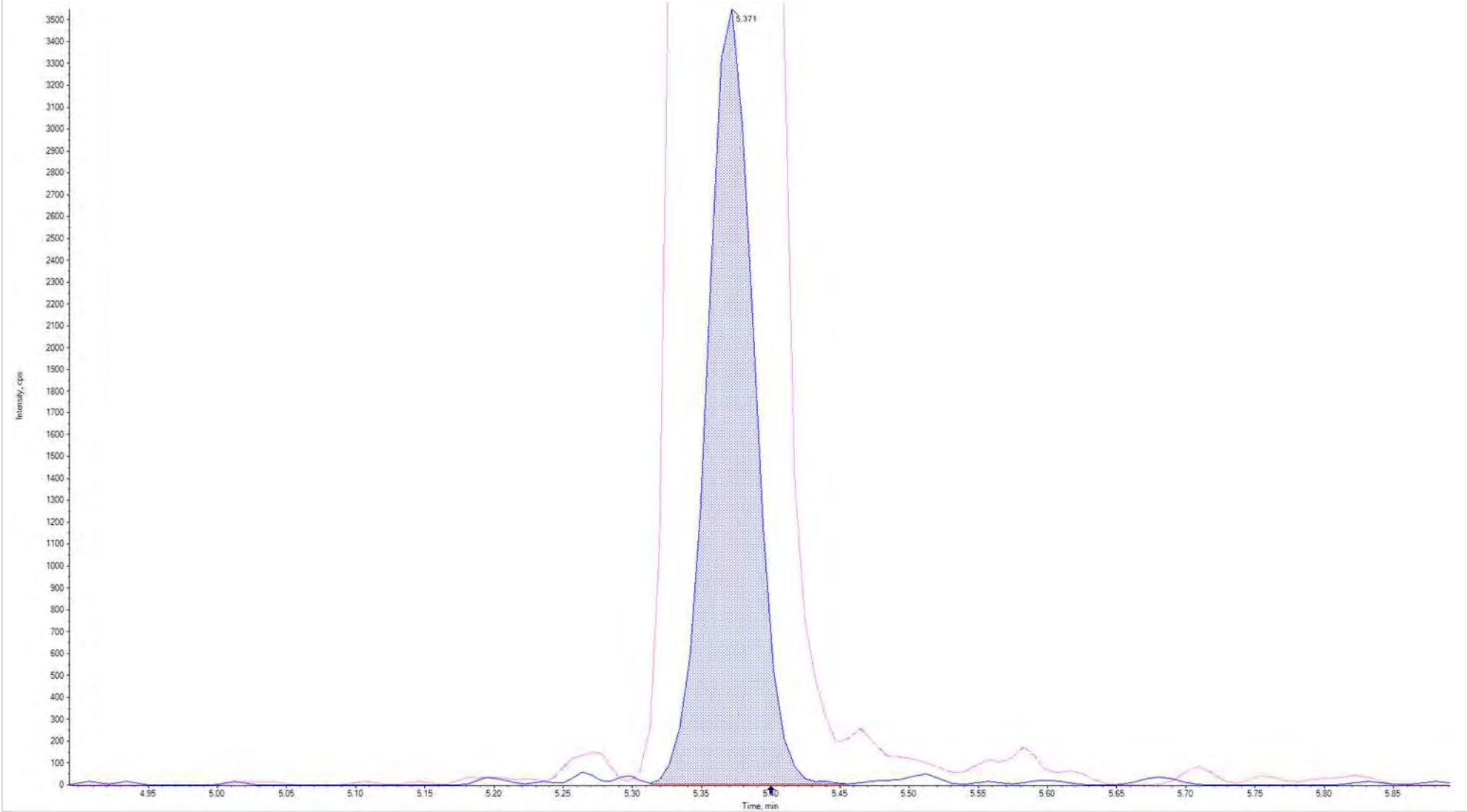
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFTeDA
Sample: WG2038851-1,1633LOW S/N:1106.3 Points Across peak:22



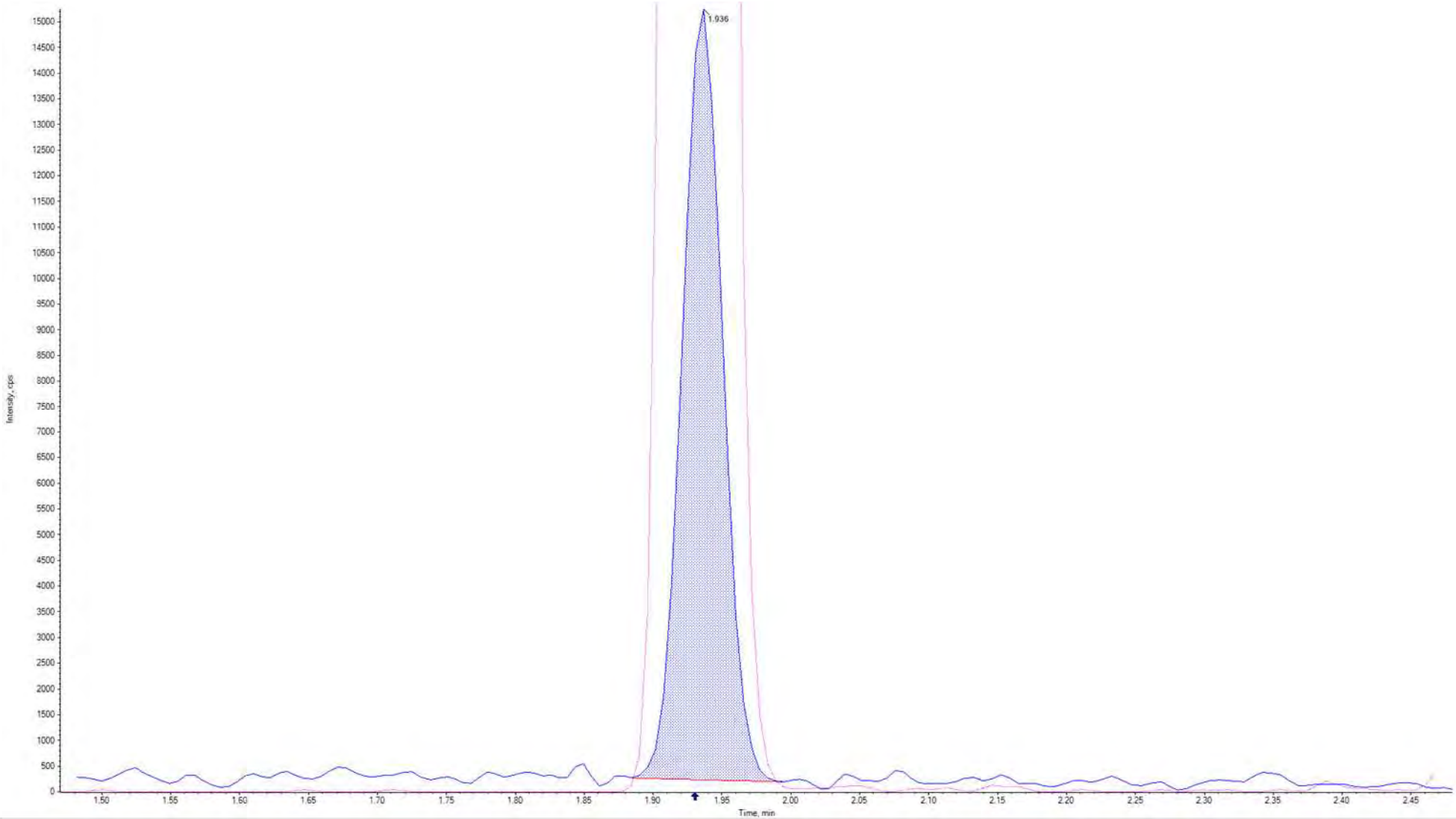
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFTeDA_2
Sample: WG2038851-1,1633LOW S/N:222.1 Points Across peak:20



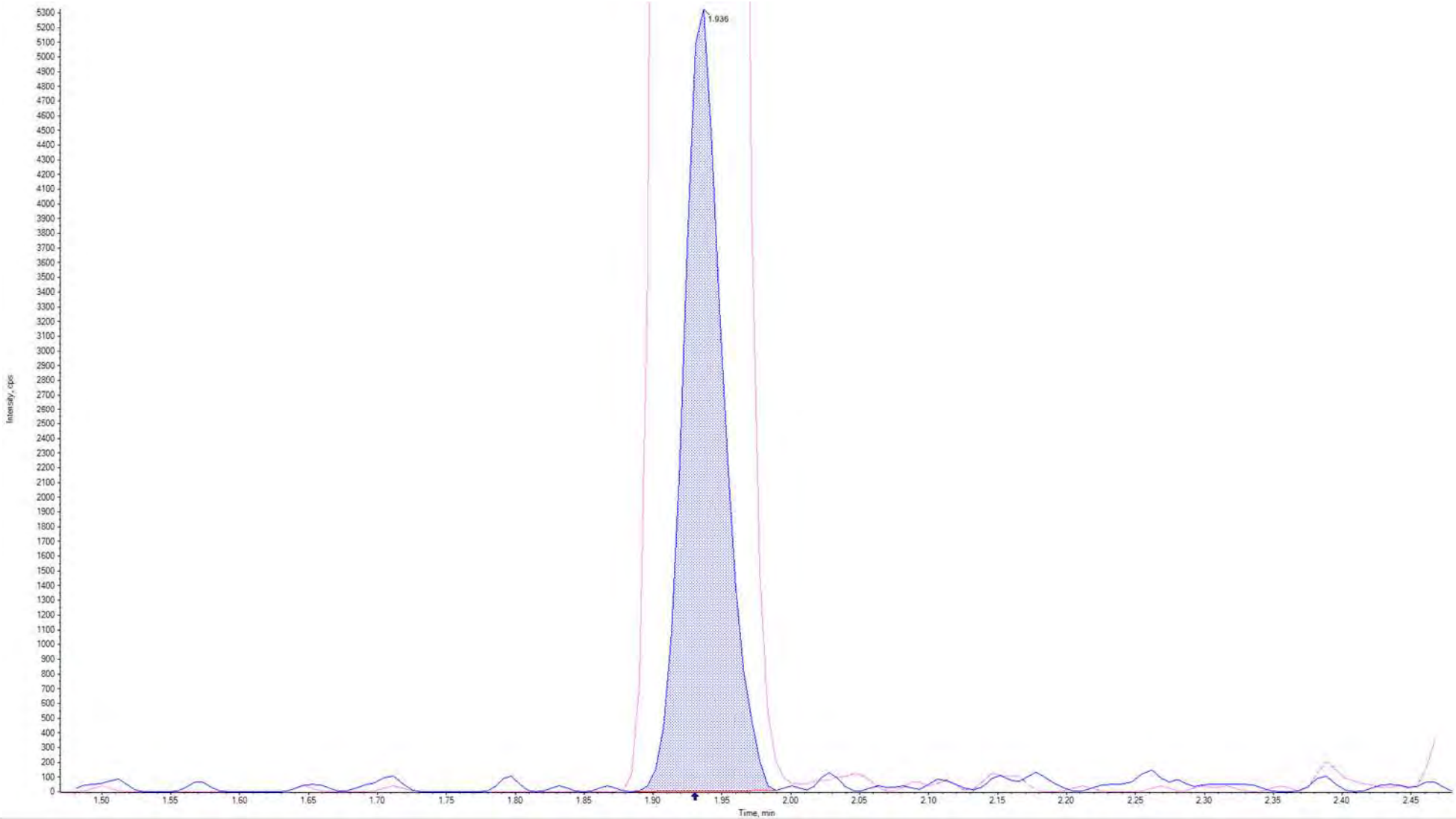
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFBS
Sample: WG2038851-1,1633LOW S/N:376.3 Points Across peak:20



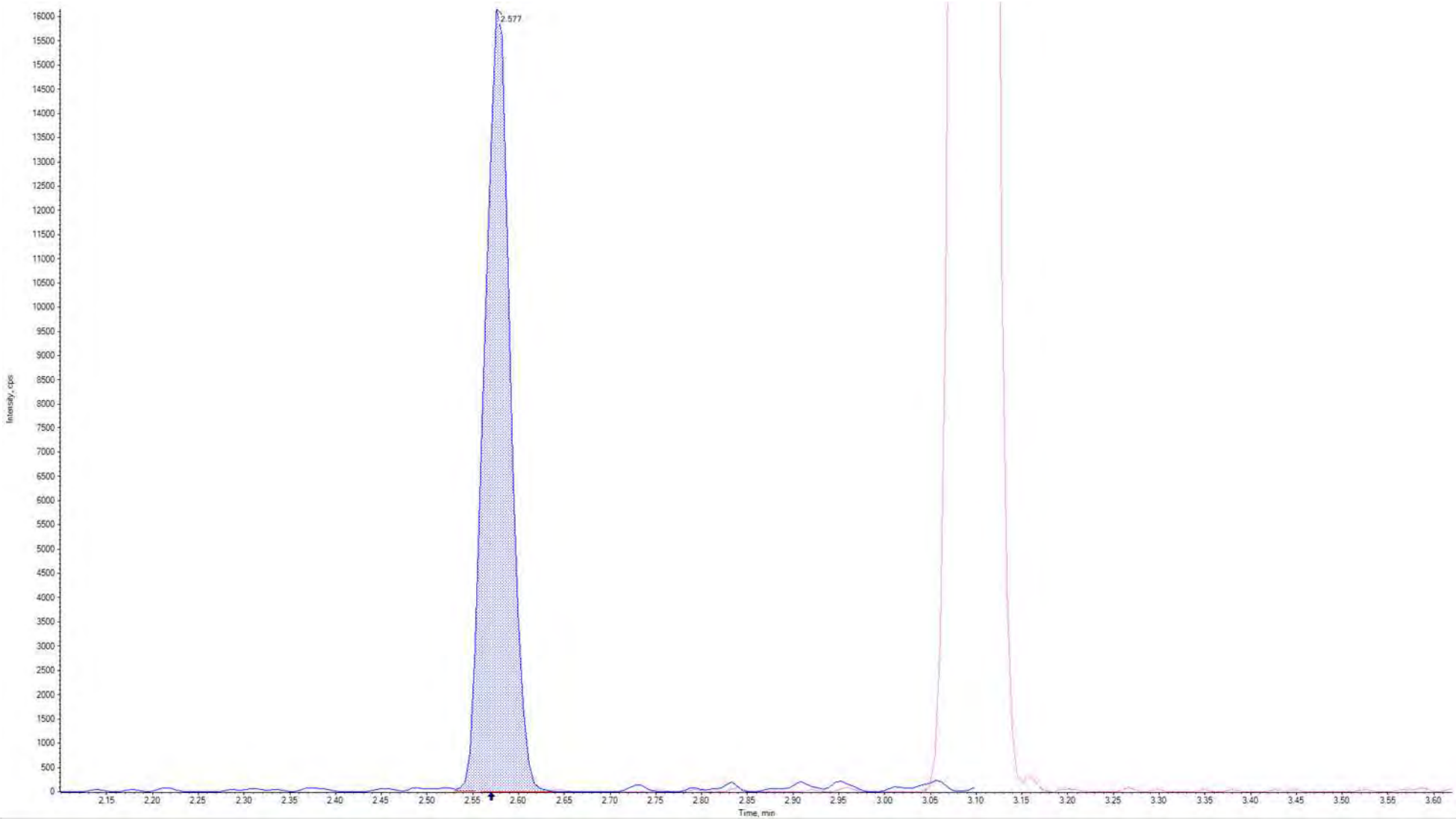
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFBS_2
Sample: WG2038851-1,1633LOW S/N:133.4 Points Across peak:19



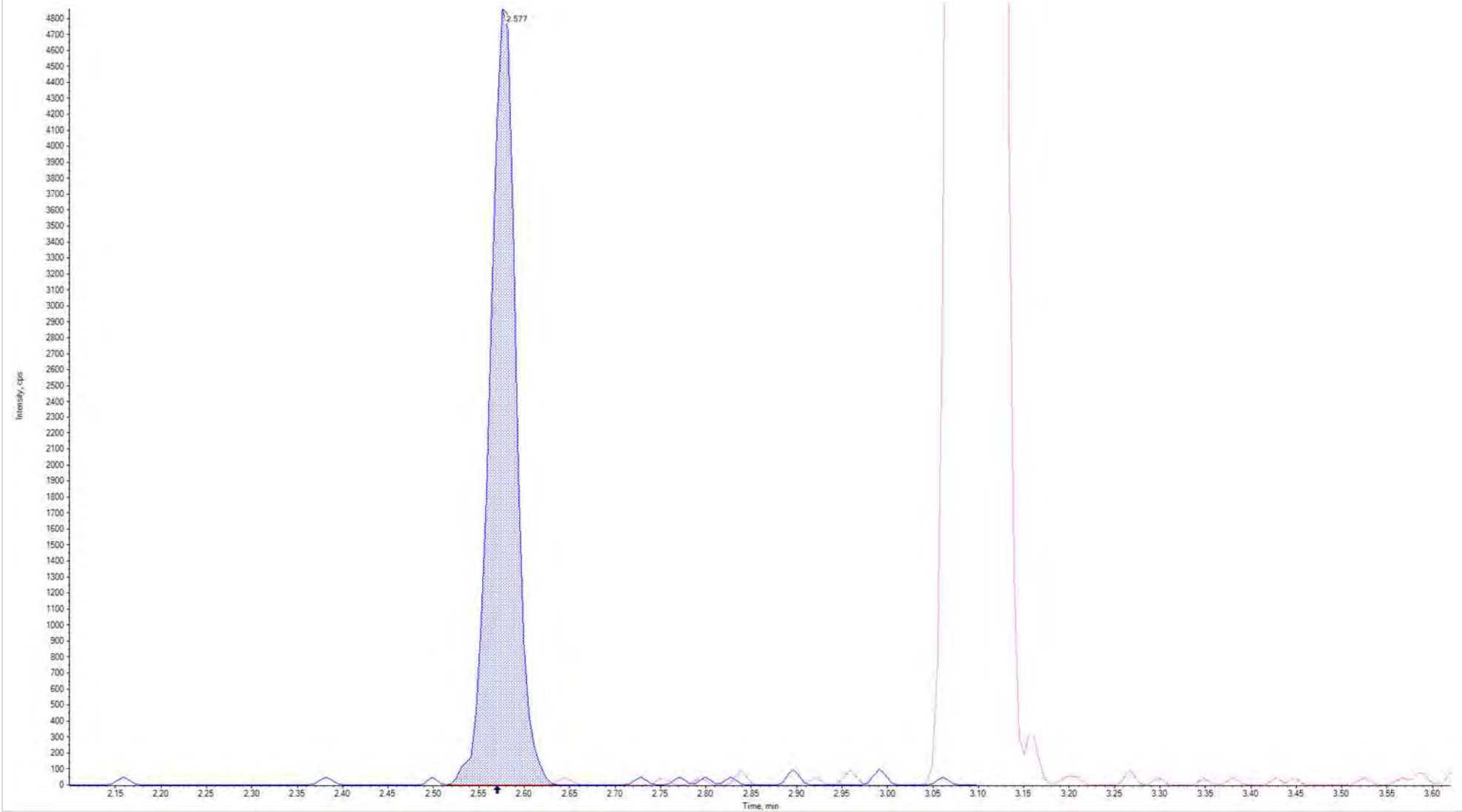
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFPeS
Sample: WG2038851-1,1633LOW S/N:323.8 Points Across peak:20



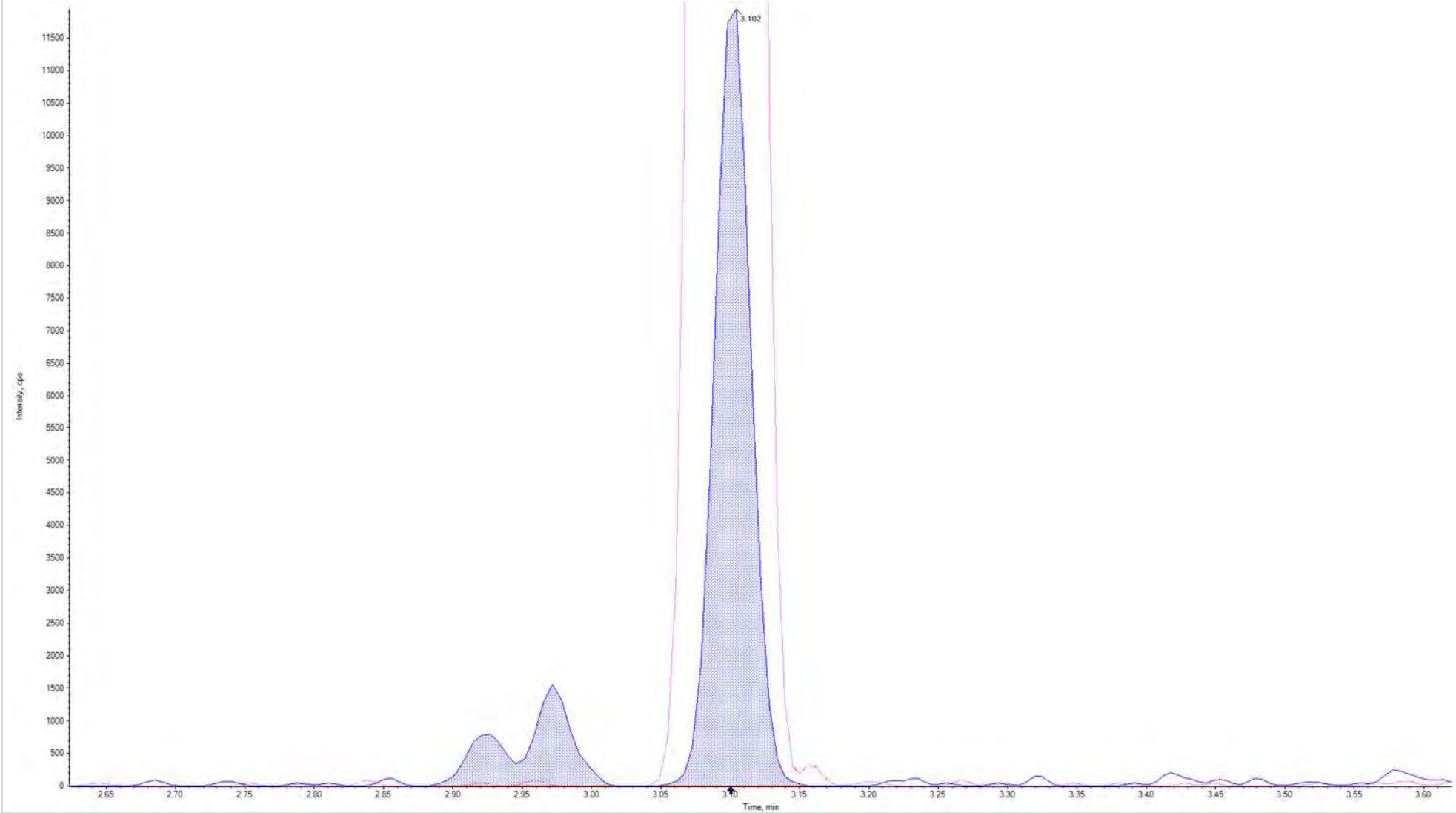
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFPeS_2
Sample: WG2038851-1,1633LOW S/N:97.4 Points Across peak:27



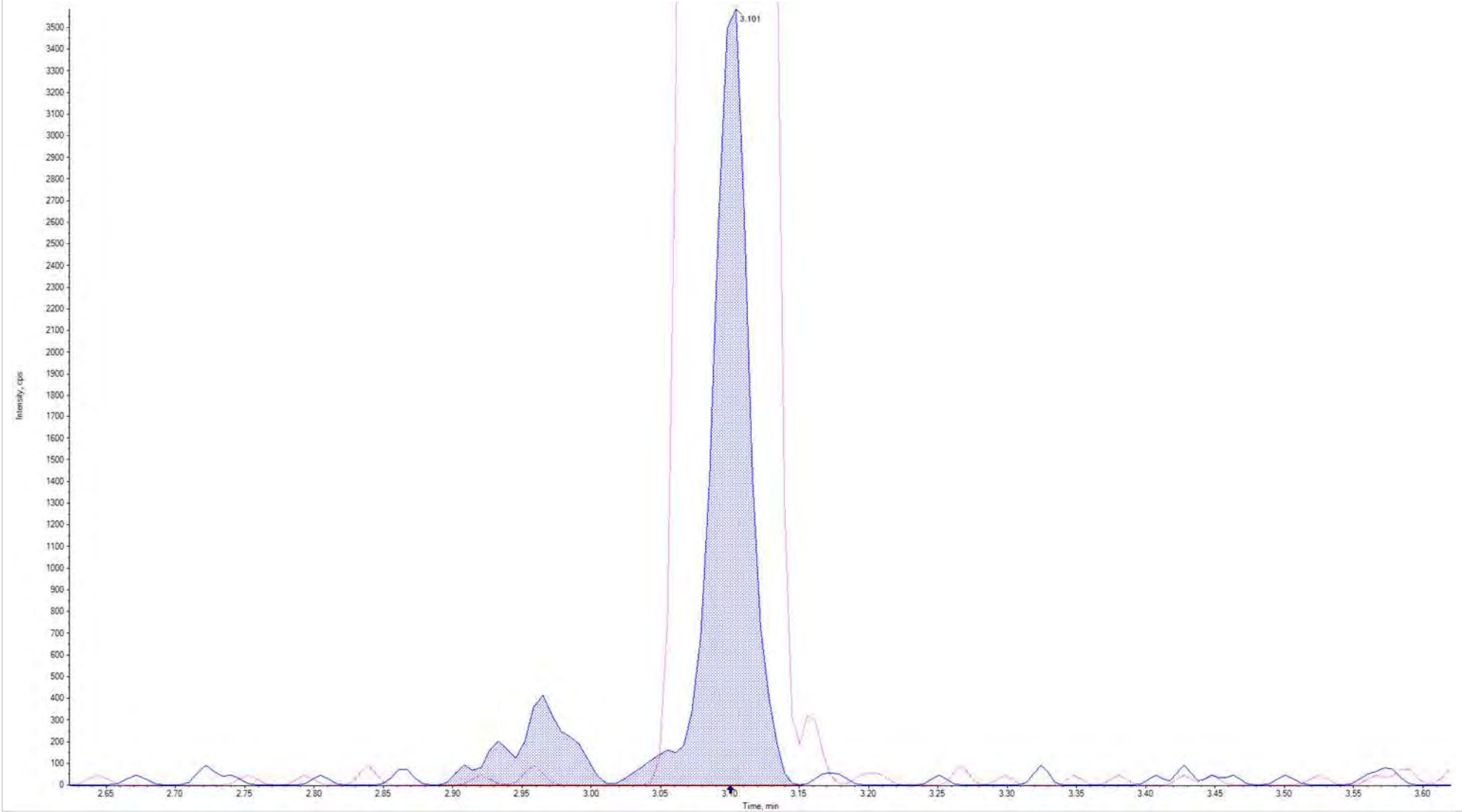
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFHxS
Sample: WG2038851-1,1633LOW S/N:269.5 Points Across peak:47



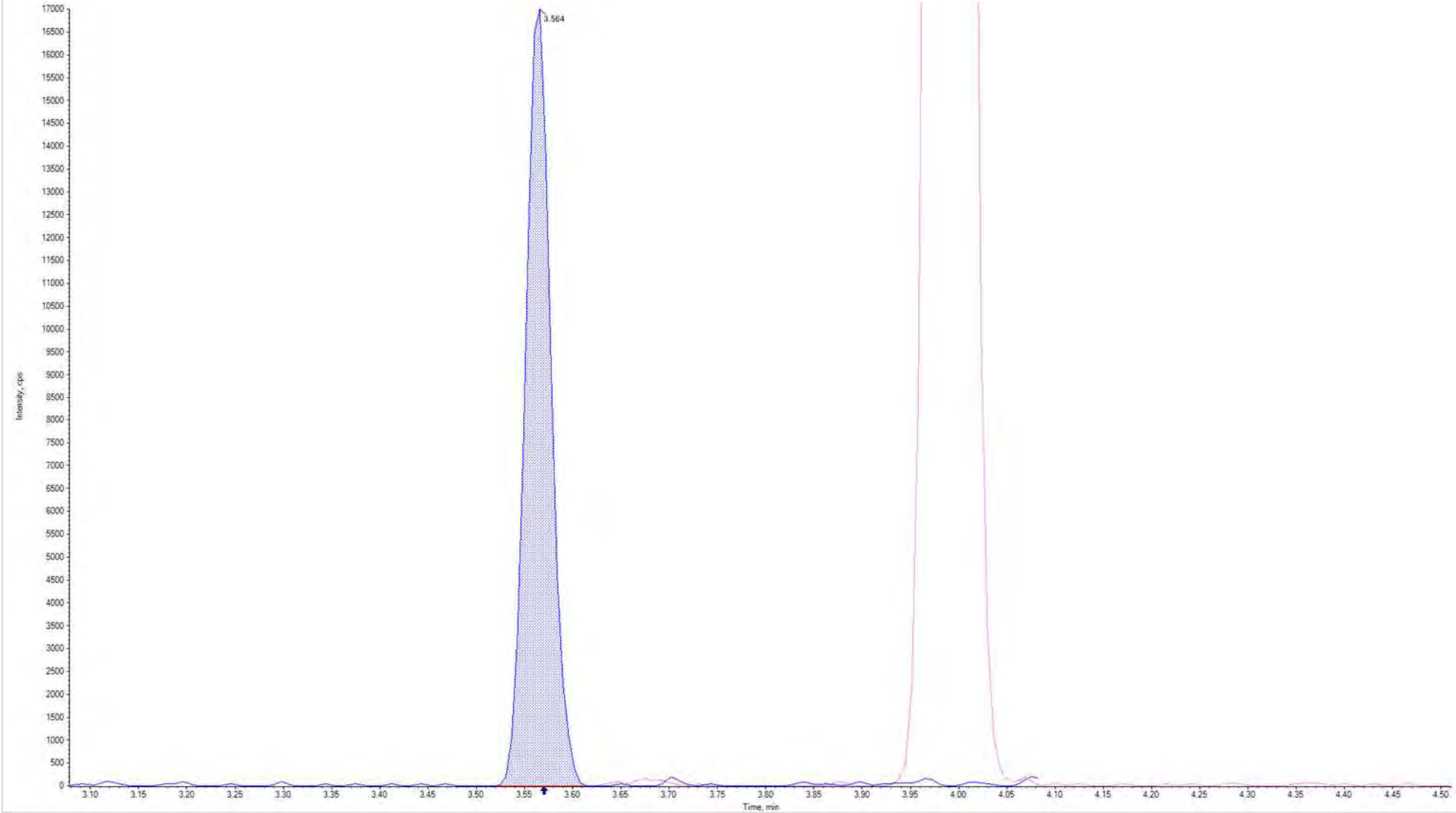
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFHxS_2
Sample: WG2038851-1,1633LOW S/N:80.9 Points Across peak:44



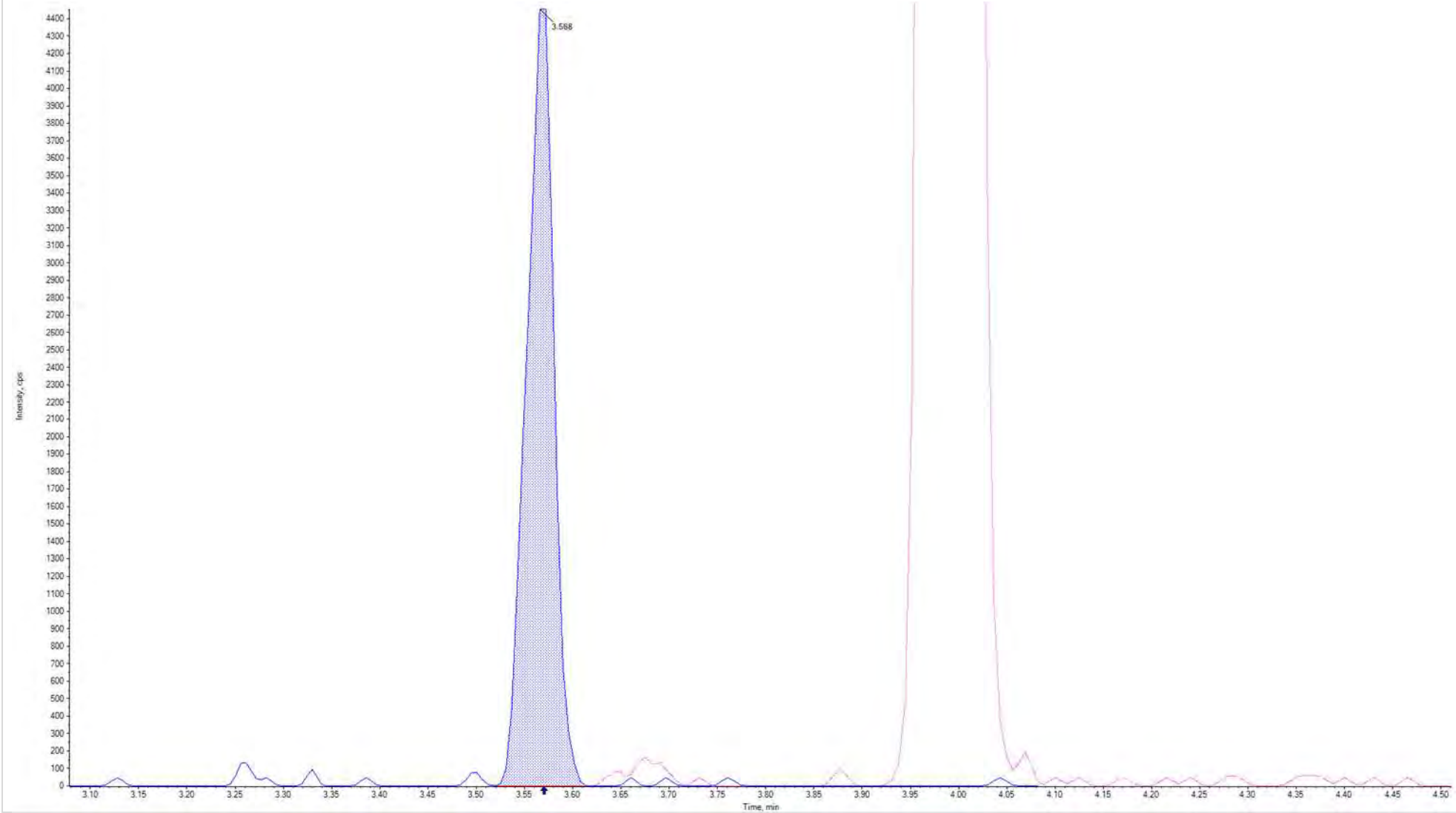
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFHpS
Sample: WG2038851-1,1633LOW S/N:340.9 Points Across peak:22



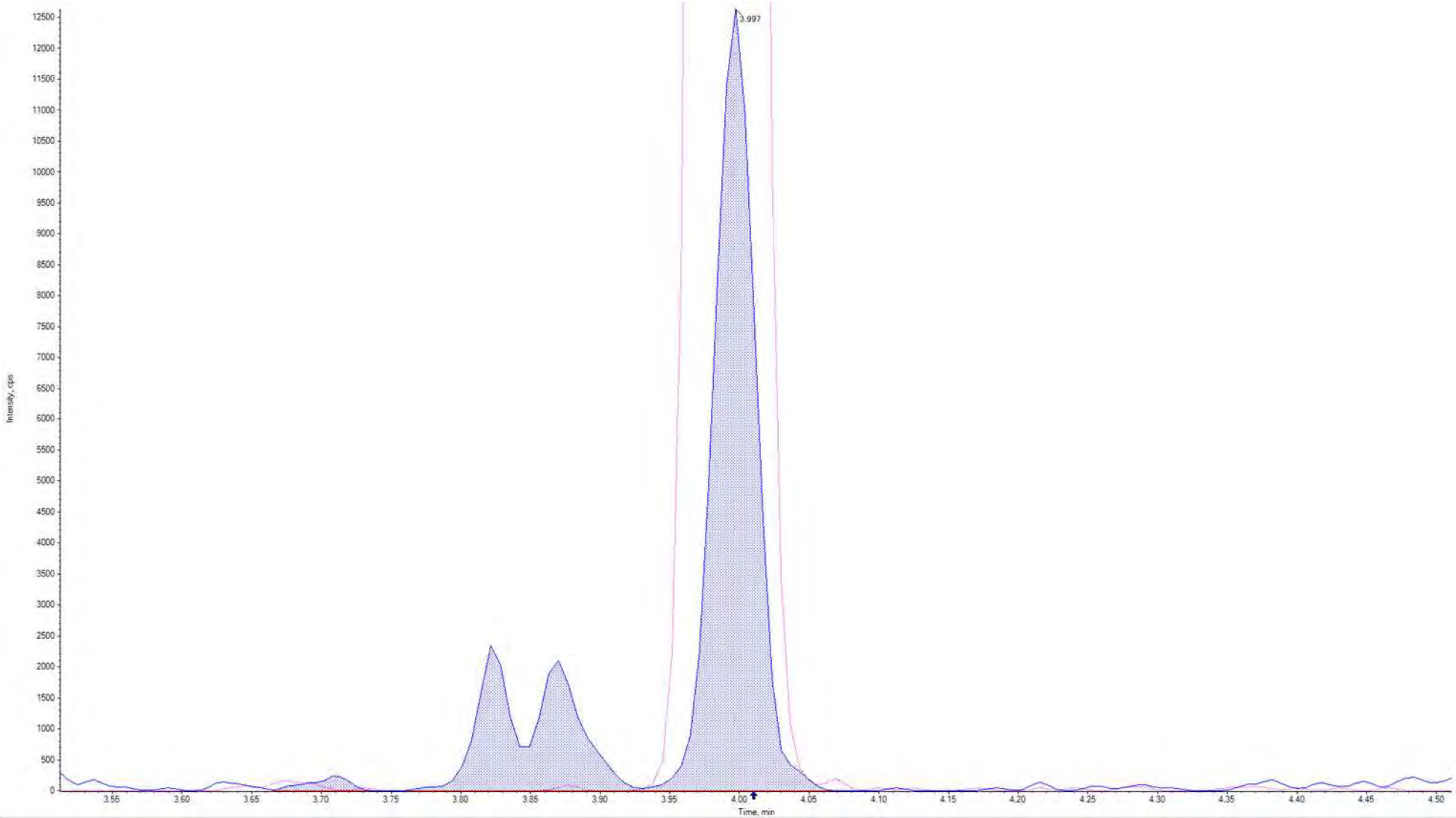
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFHpS_2
Sample: WG2038851-1,1633LOW S/N:89.3 Points Across peak:20



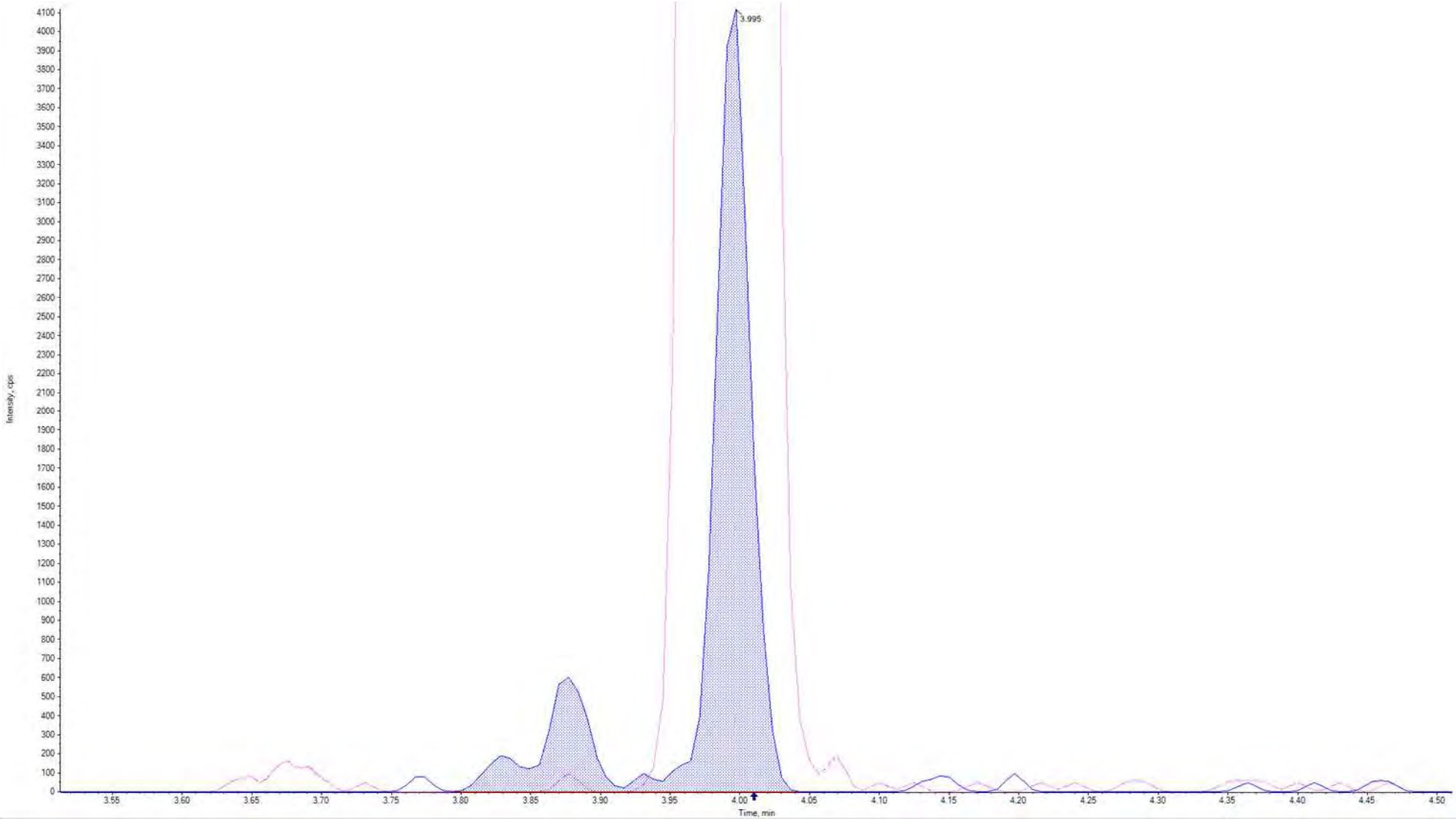
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFOS
Sample: WG2038851-1,1633LOW S/N:206.1 Points Across peak:66



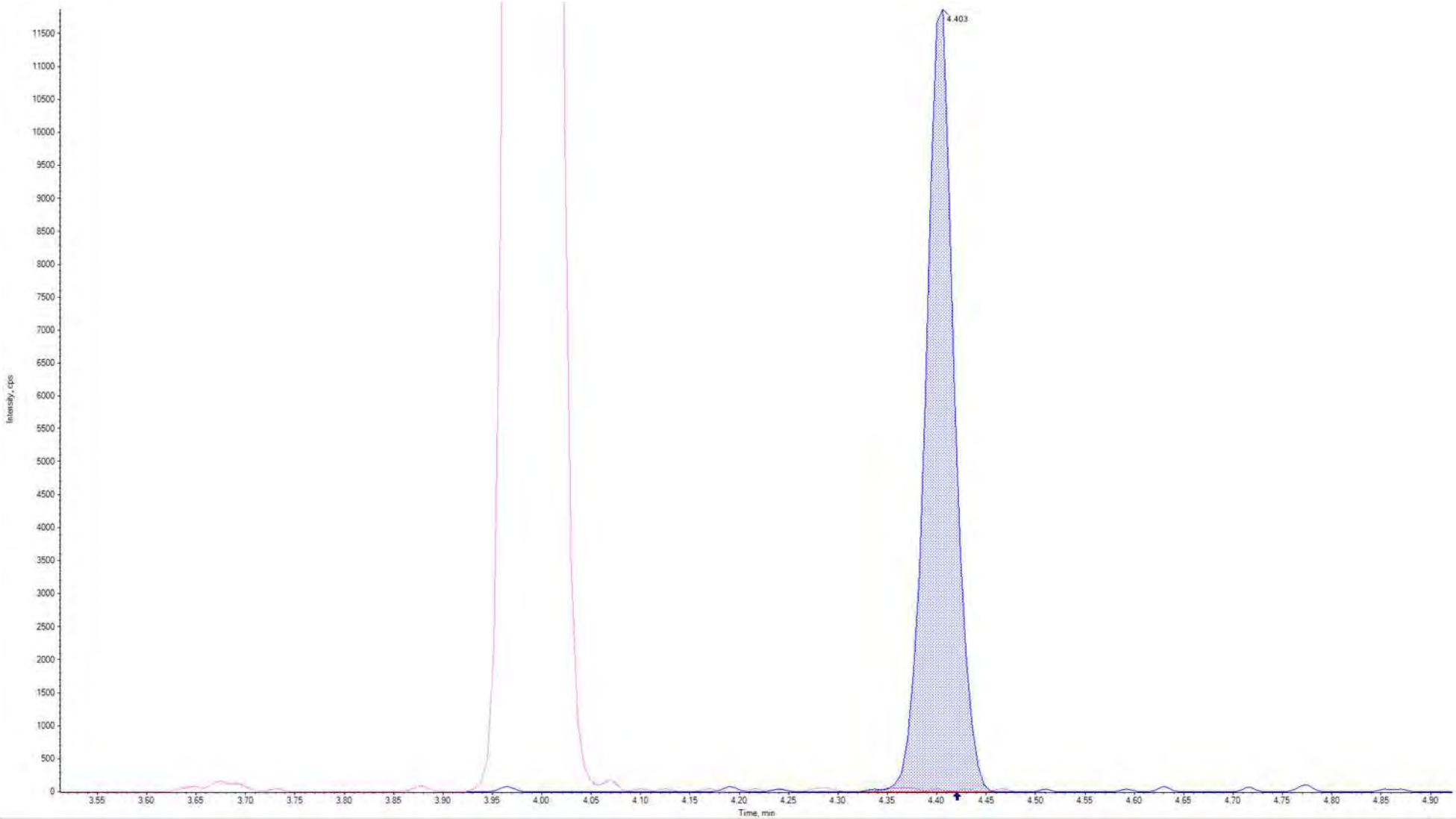
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFOS_2
Sample: WG2038851-1,1633LOW S/N:82.6 Points Across peak:39



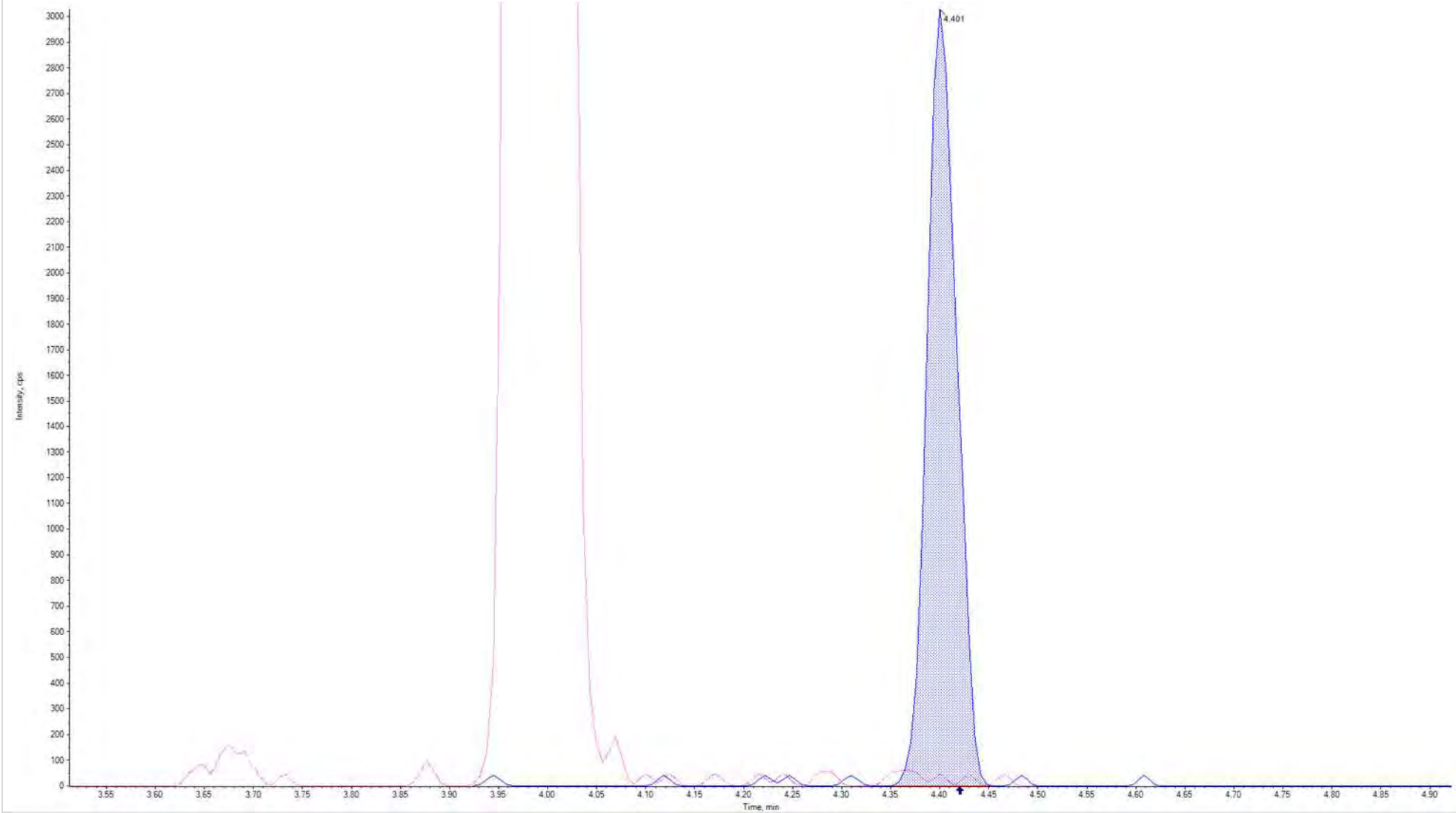
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFNS
Sample: WG2038851-1,1633LOW S/N:297.5 Points Across peak:31



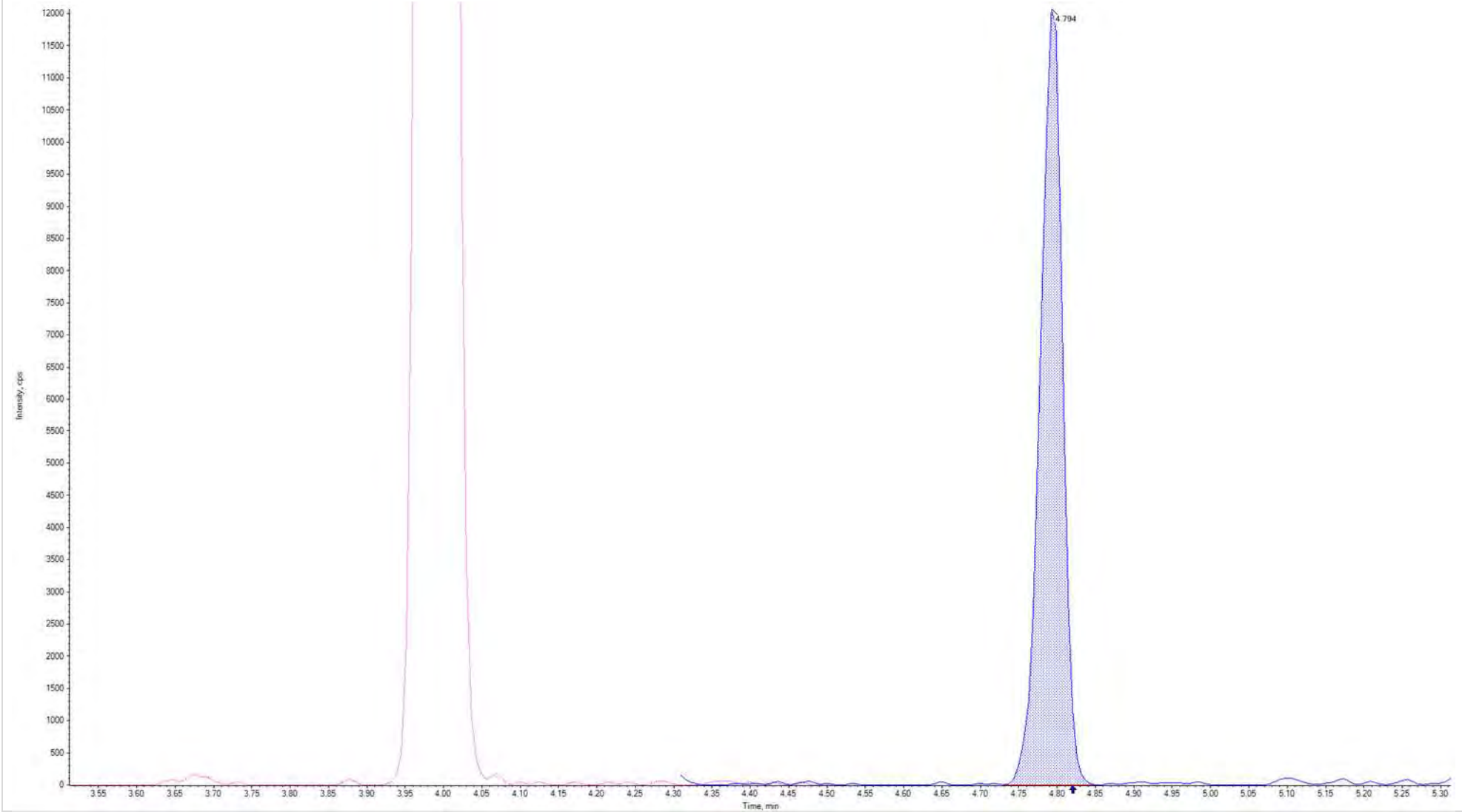
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFNS_2
Sample: WG2038851-1,1633LOW S/N:75.9 Points Across peak:21



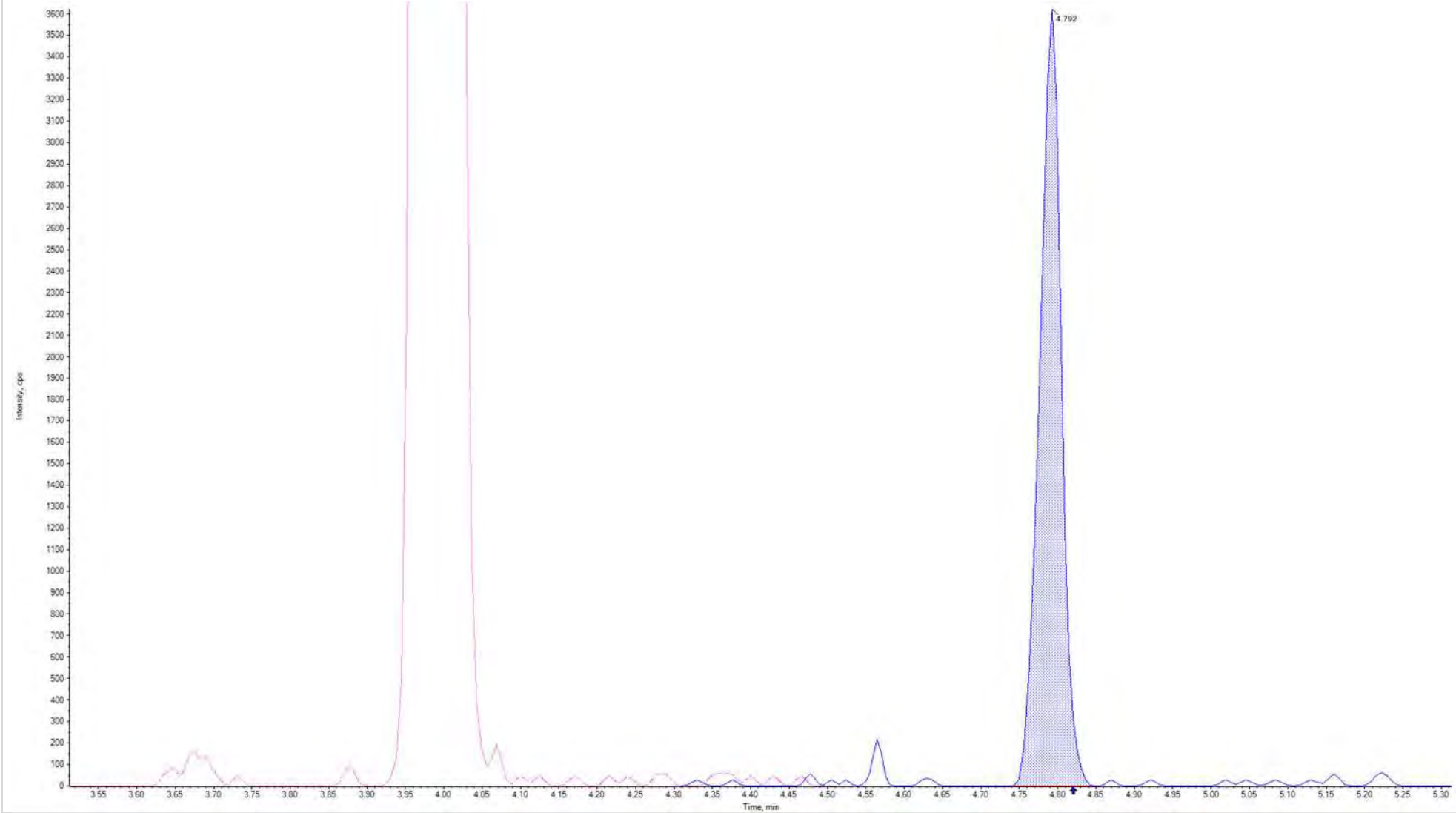
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFDS
Sample: WG2038851-1,1633LOW S/N:423.5 Points Across peak:22



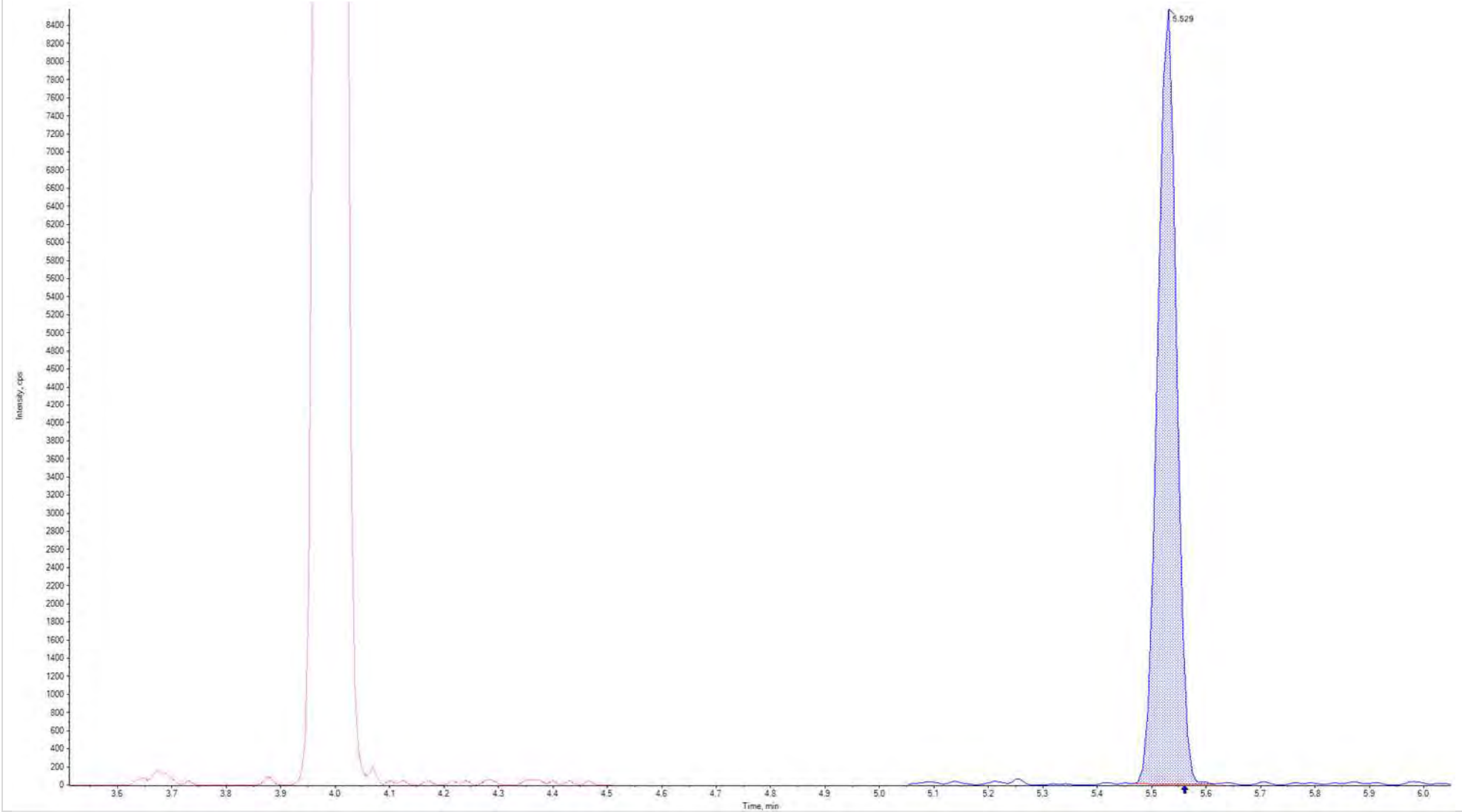
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFDS_2
Sample: WG2038851-1,1633LOW S/N:127.1 Points Across peak:22



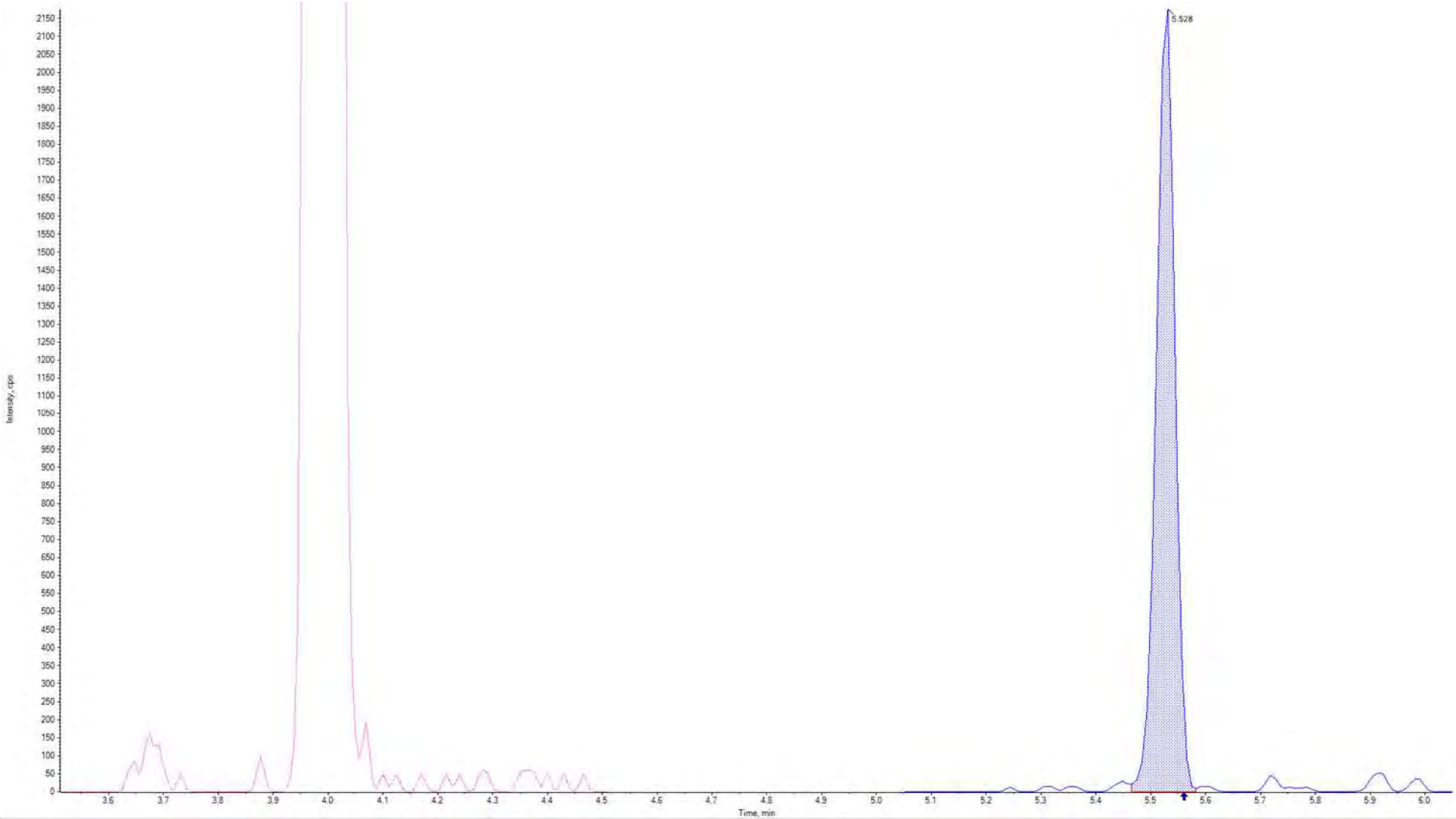
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFDoS
Sample: WG2038851-1,1633LOW S/N:665.8 Points Across peak:18



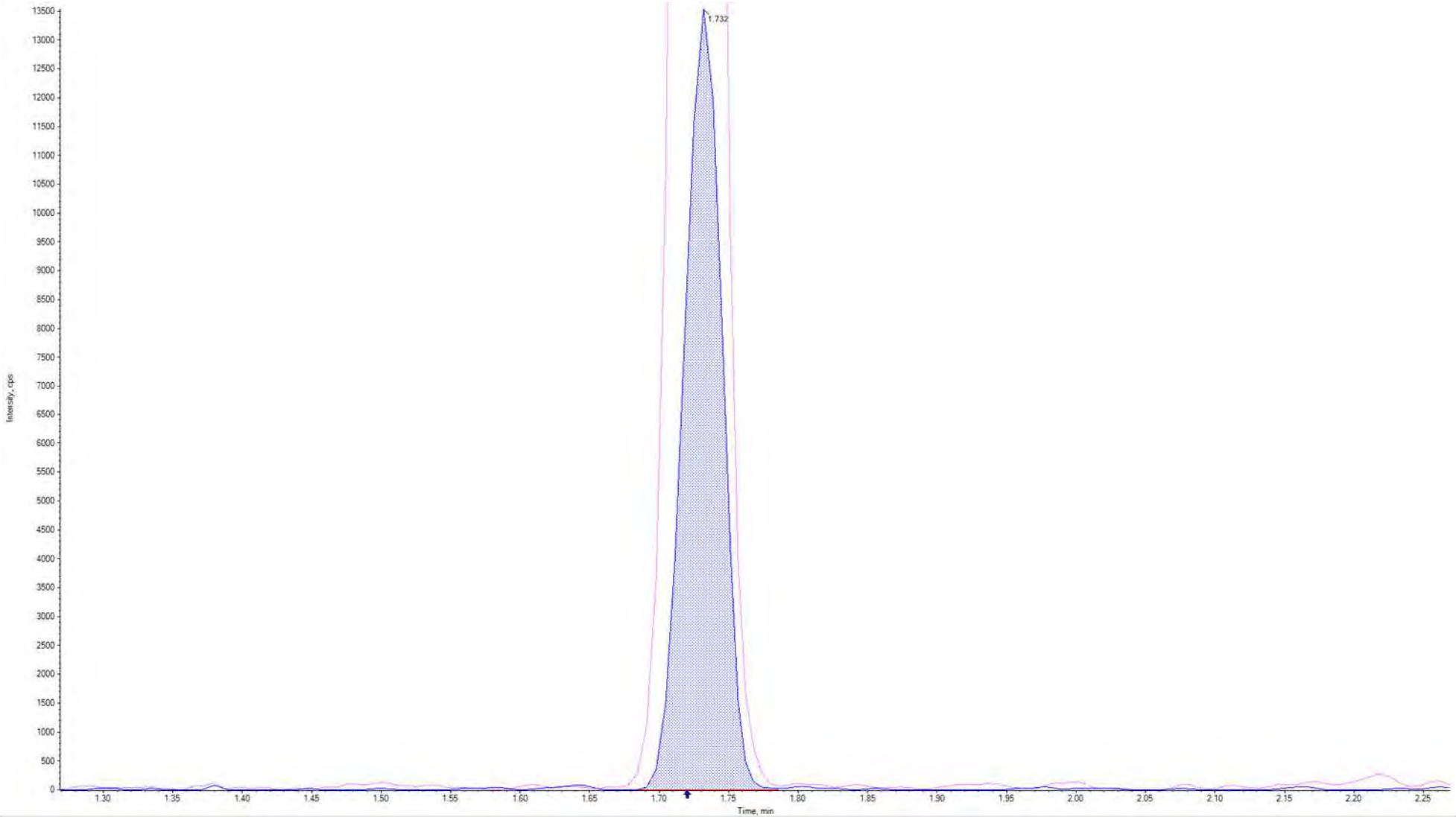
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFDoS_2
Sample: WG2038851-1,1633LOW S/N:169.1 Points Across peak:14



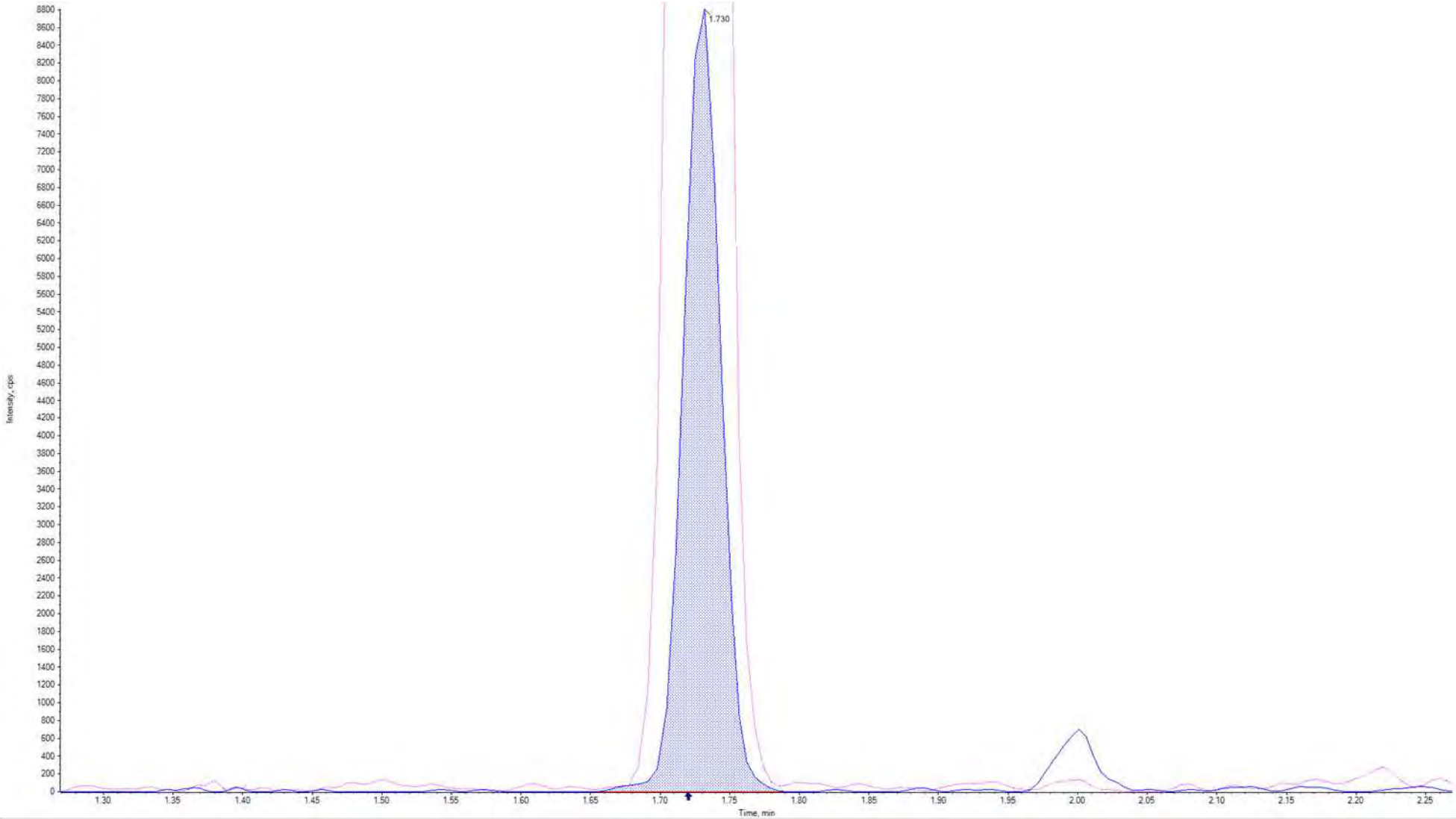
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

4:2FTS
Sample: WG2038851-1,1633LOW S/N:508.9 Points Across peak:18



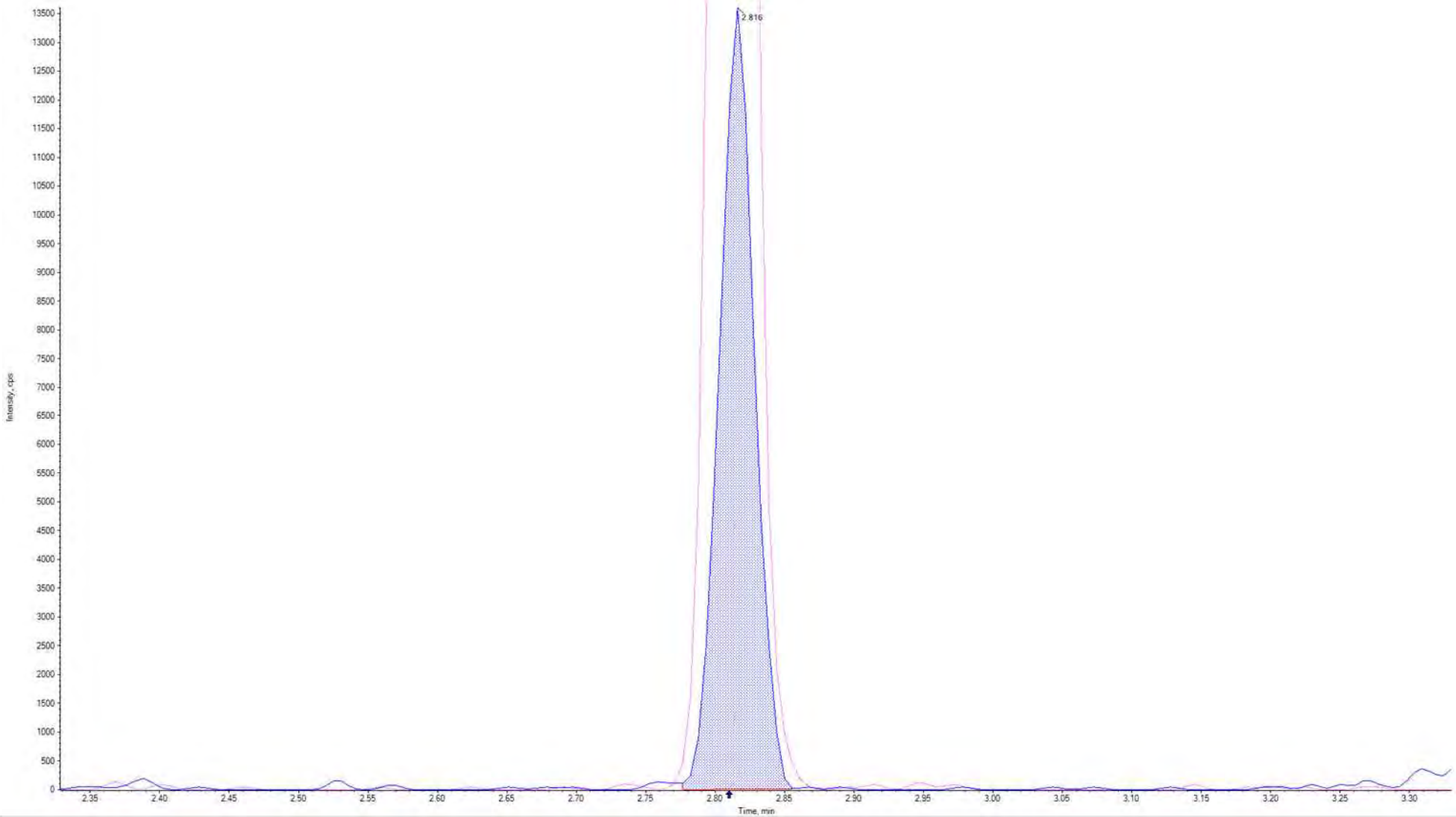
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

4:2FTS_2
Sample: WG2038851-1,1633LOW S/N:331.1 Points Across peak:27



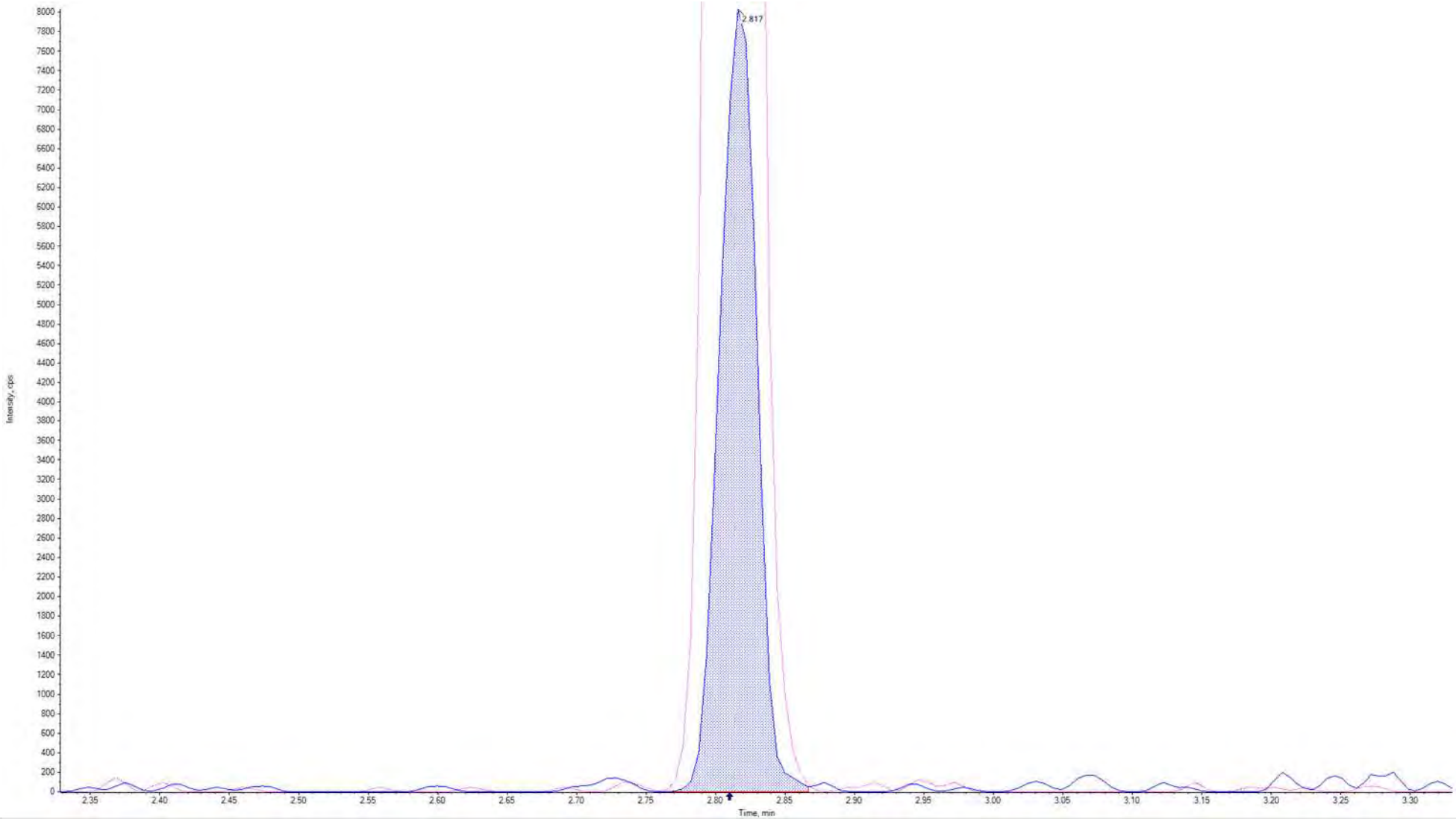
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

6:2FTS
Sample: WG2038851-1,1633LOW S/N:272.7 Points Across peak:15



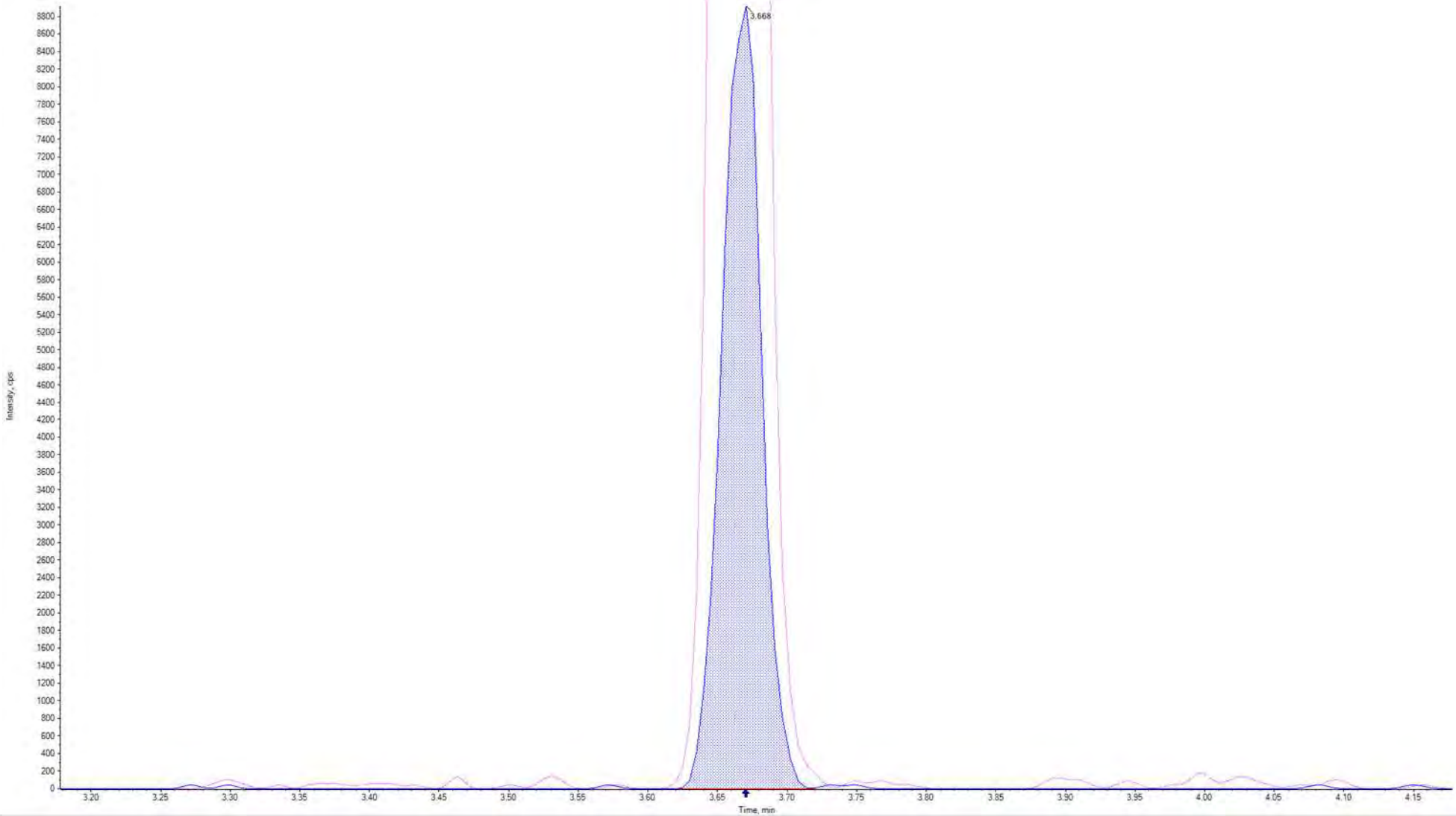
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

6:2FTS_2
Sample: WG2038851-1,1633LOW S/N:161.0 Points Across peak:19



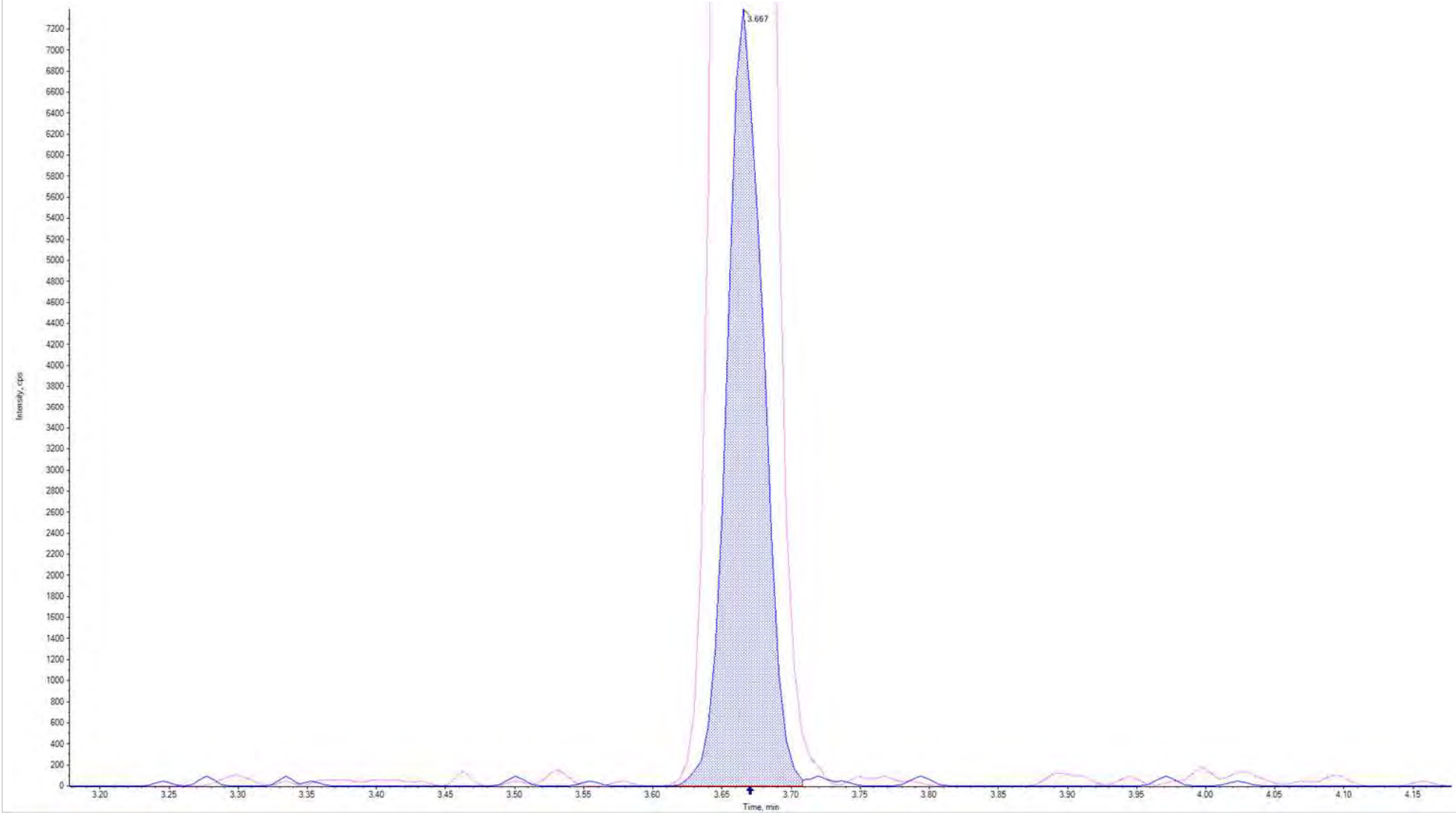
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

8:2FTS
Sample: WG2038851-1,1633LOW S/N:178.8 Points Across peak:23



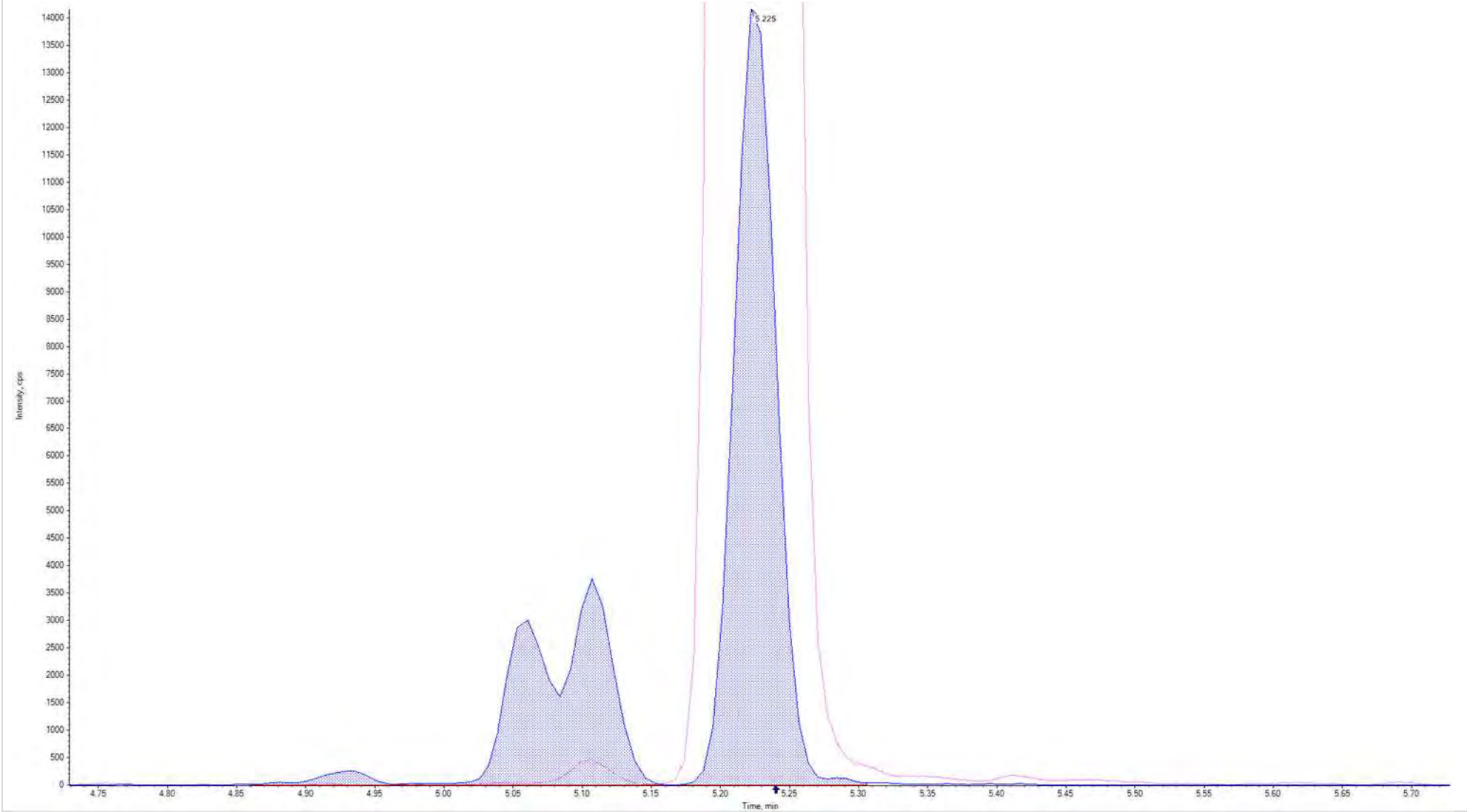
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

8:2FTS_2
Sample: WG2038851-1,1633LOW S/N:148.2 Points Across peak:21



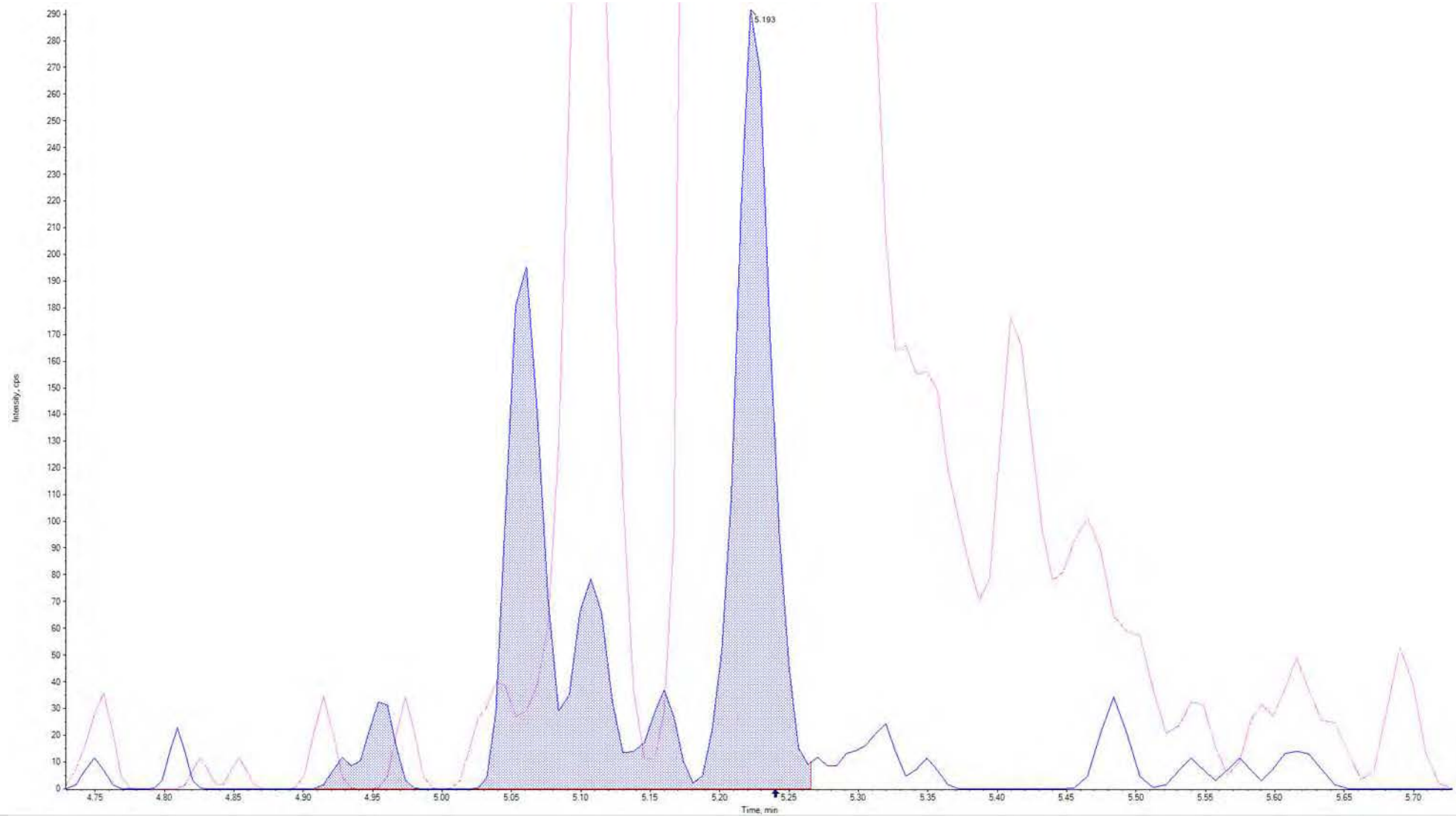
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFOSA
Sample: WG2038851-1,1633LOW S/N:300.5 Points Across peak:67



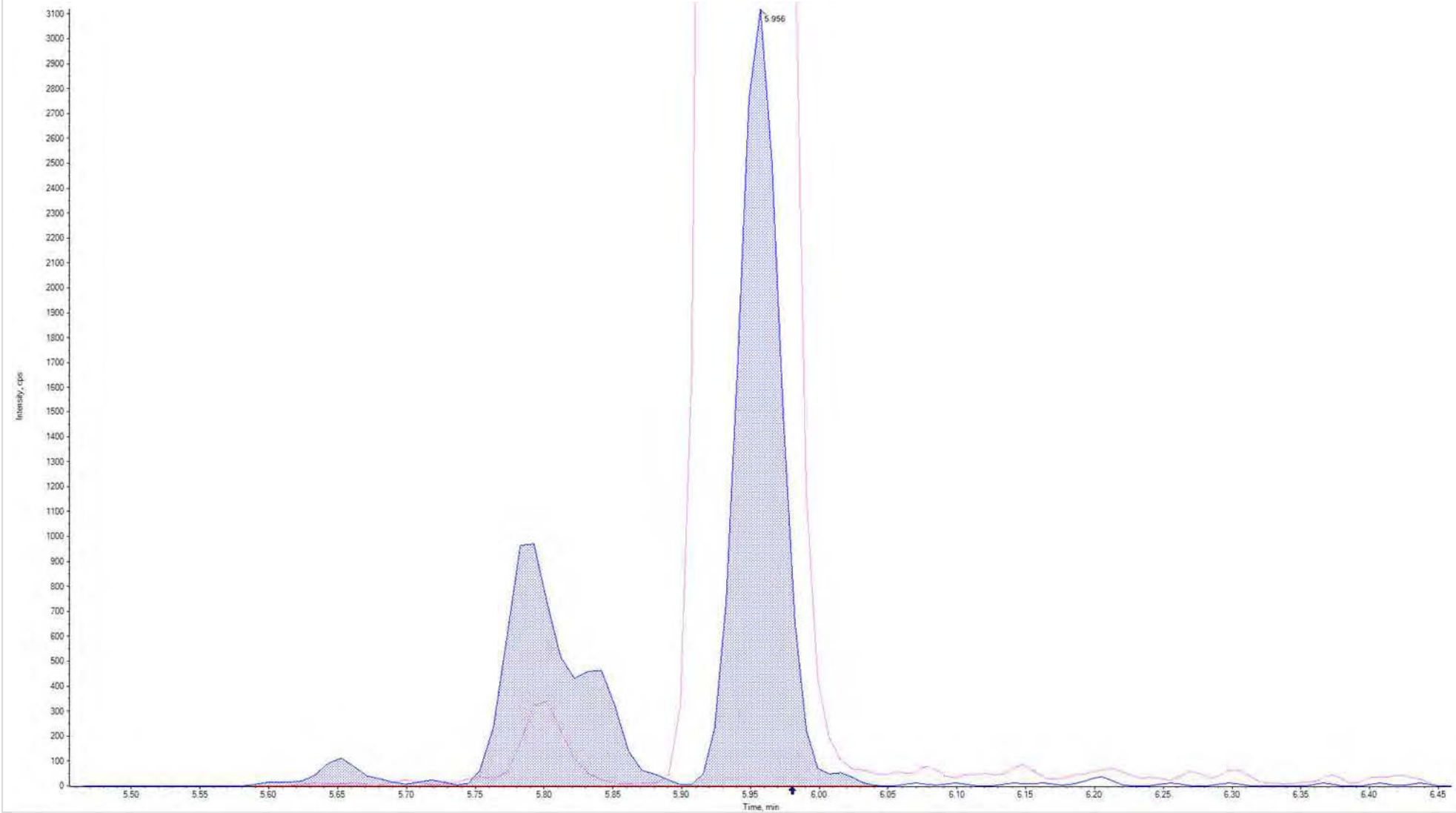
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFOSA_2
Sample: WG2038851-1,1633LOW S/N:25.6 Points Across peak:53



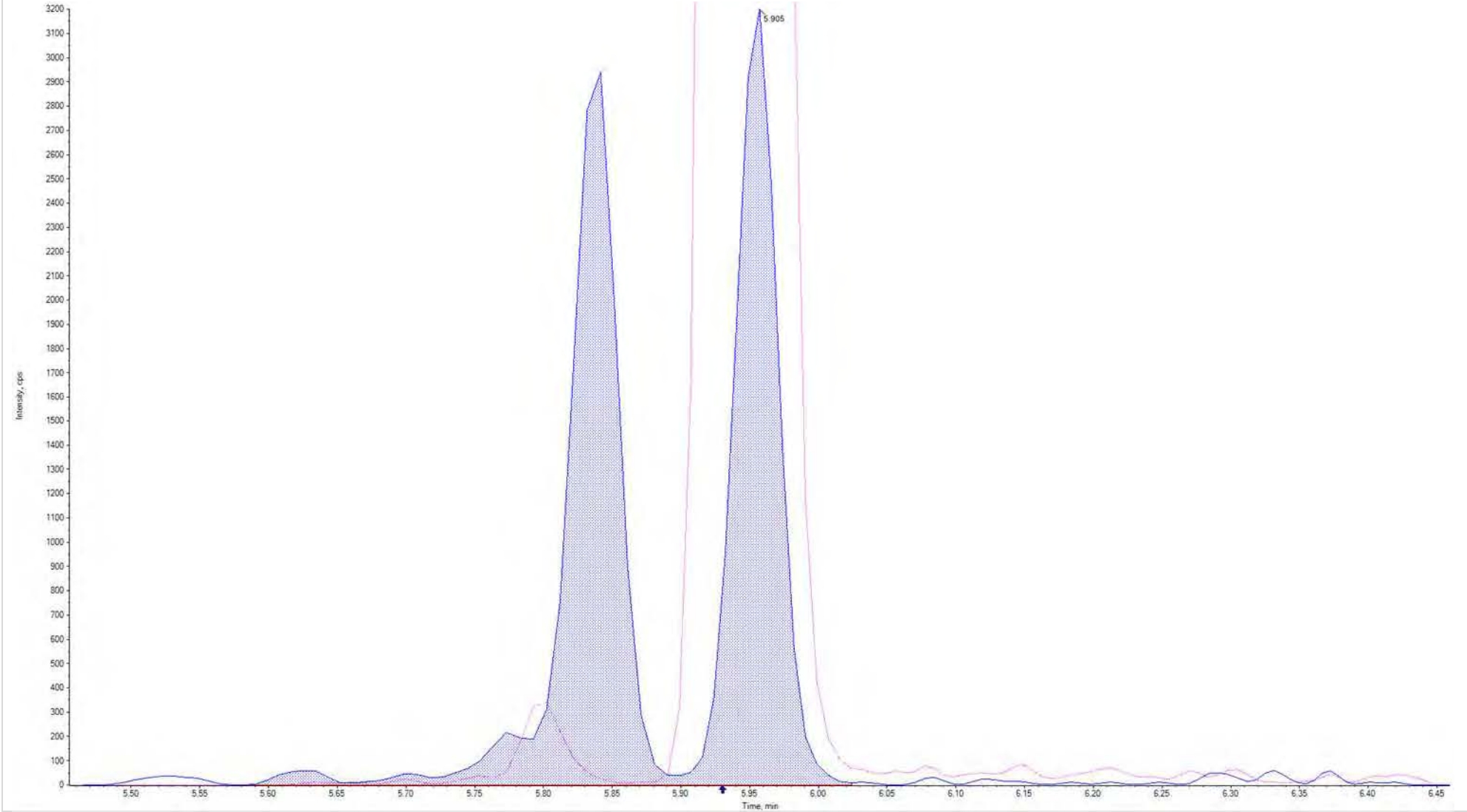
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

NMeFOSA
Sample: WG2038851-1,1633LOW S/N:215.2 Points Across peak:54



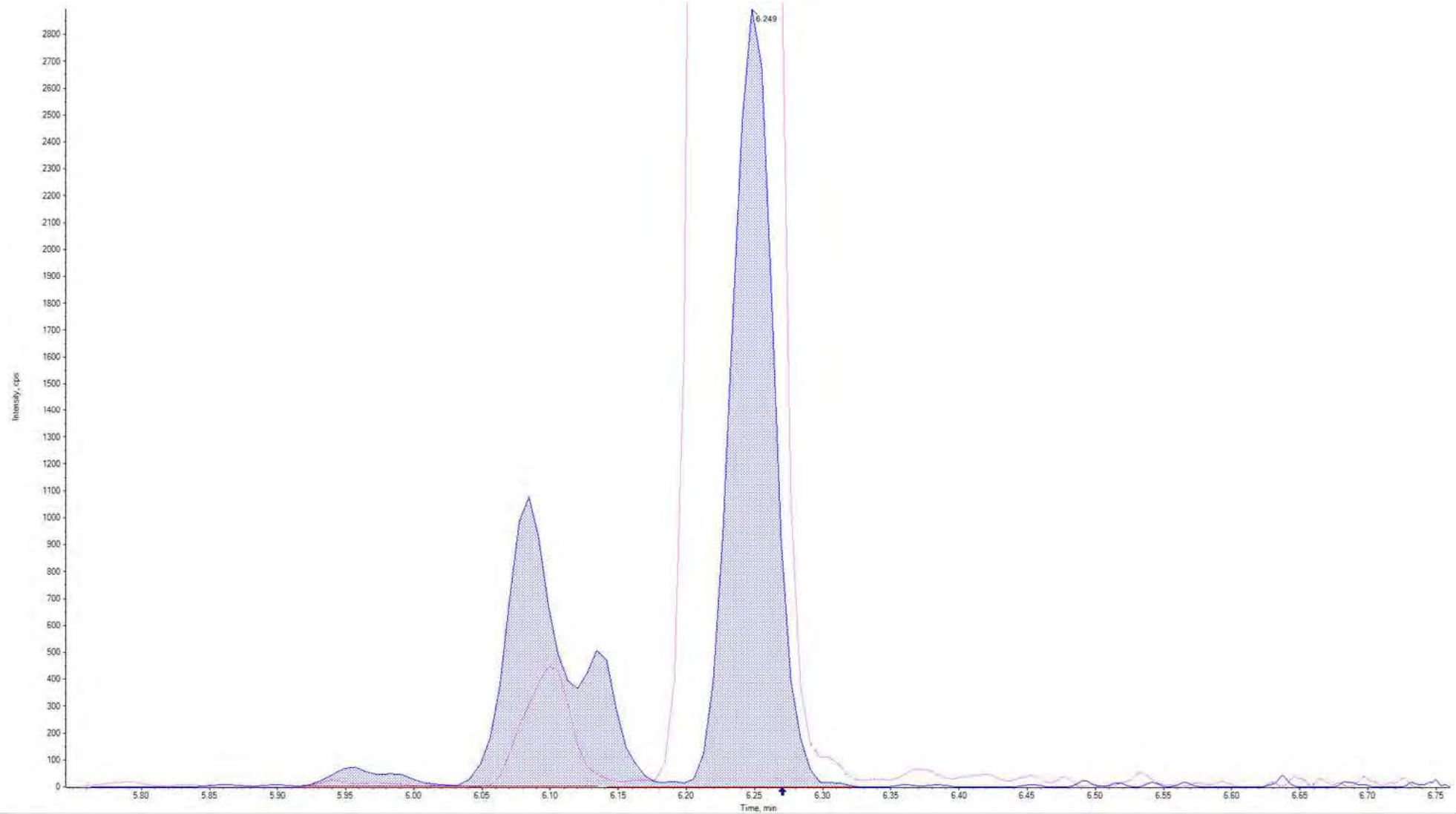
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

NMeFOSA_2
Sample: WG2038851-1,1633LOW S/N:121.0 Points Across peak:51



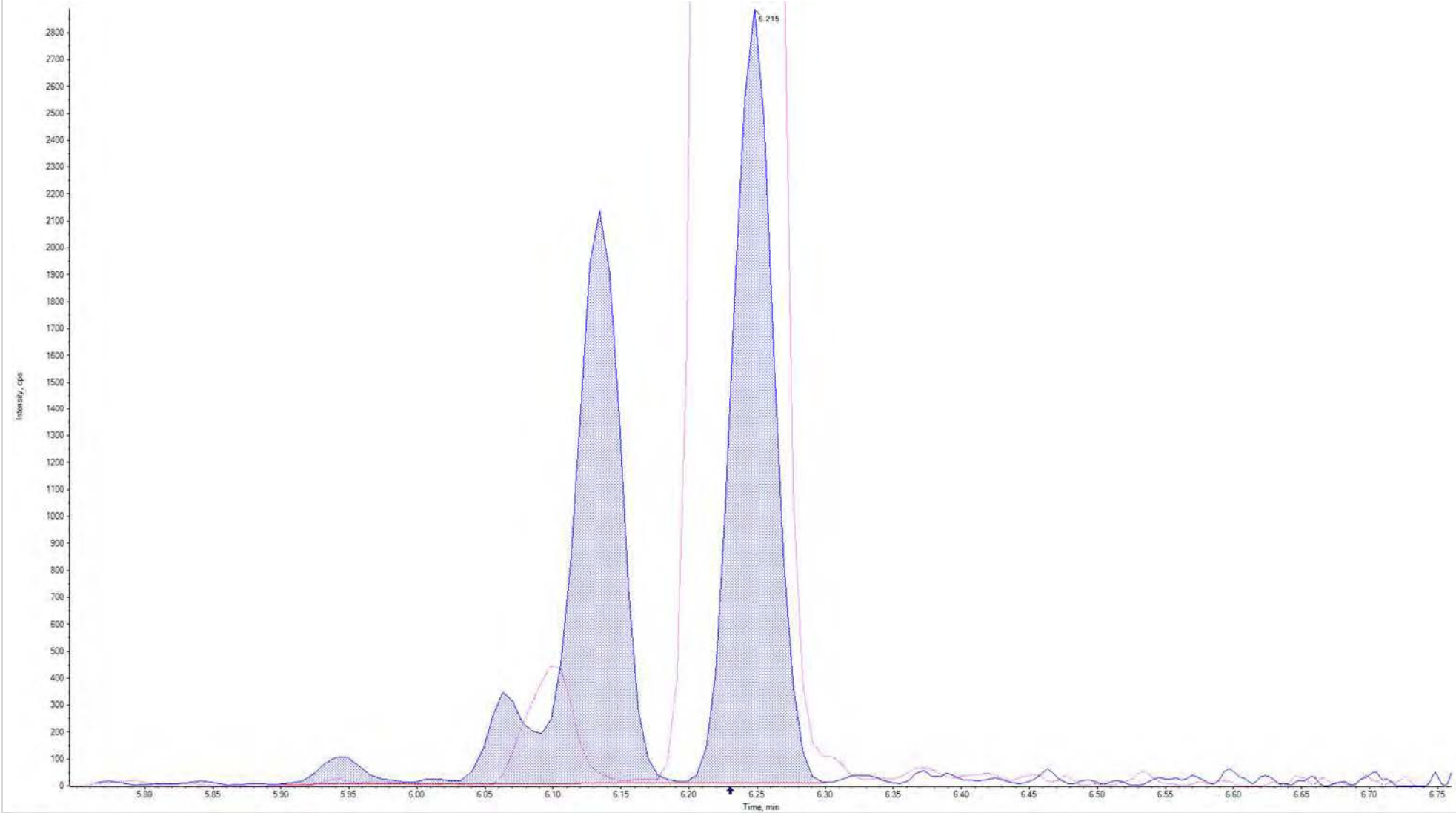
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

NEtFOSA
Sample: WG2038851-1,1633LOW S/N:306.7 Points Across peak:58



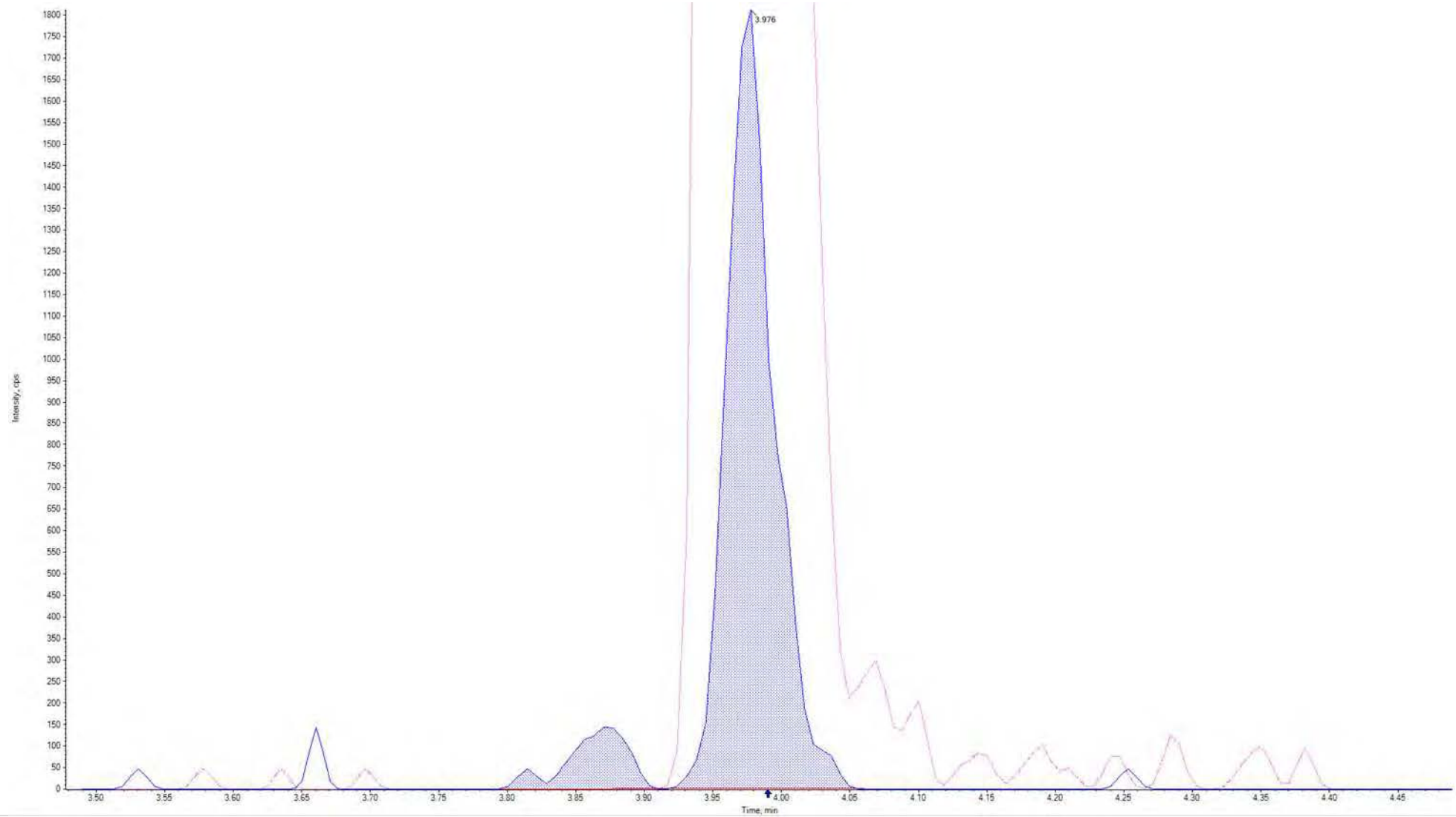
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

NEtFOSA_2
Sample: WG2038851-1,1633LOW S/N:179.6 Points Across peak:55



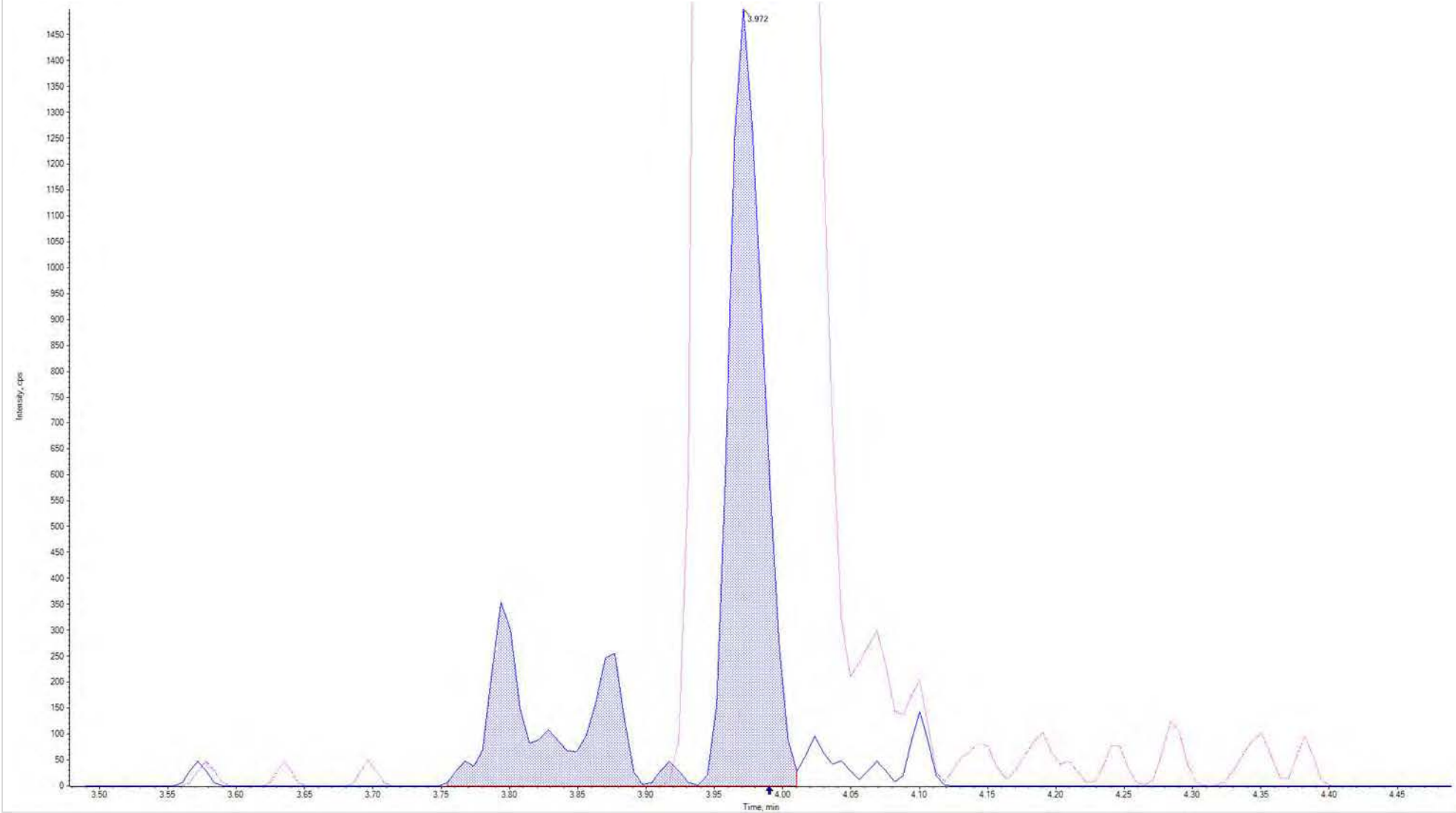
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

NMeFOSAA
Sample: WG2038851-1,1633LOW S/N:36.3 Points Across peak:41



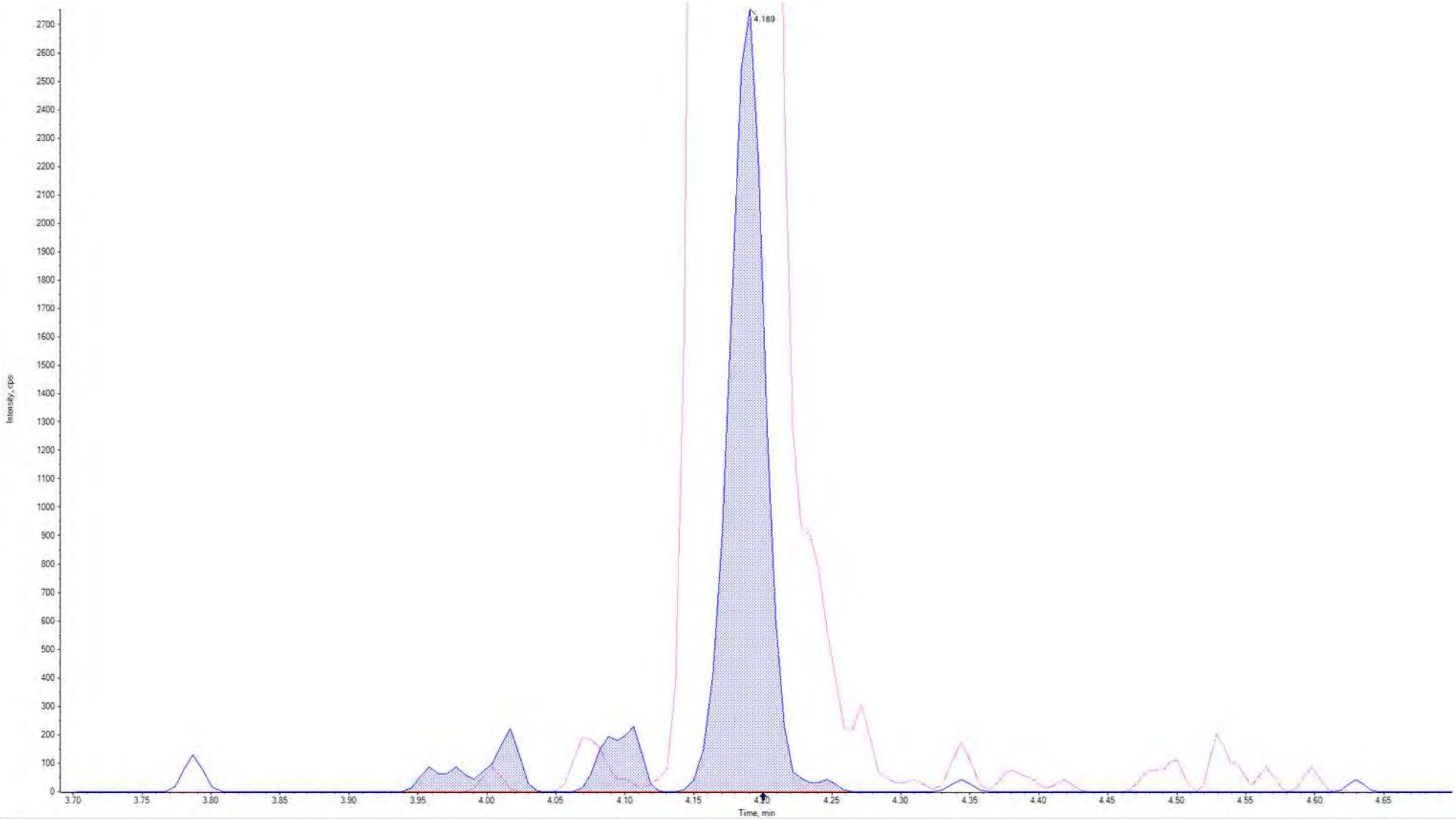
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

NMeFOSAA_2
Sample: WG2038851-1,1633LOW S/N:30.1 Points Across peak:39



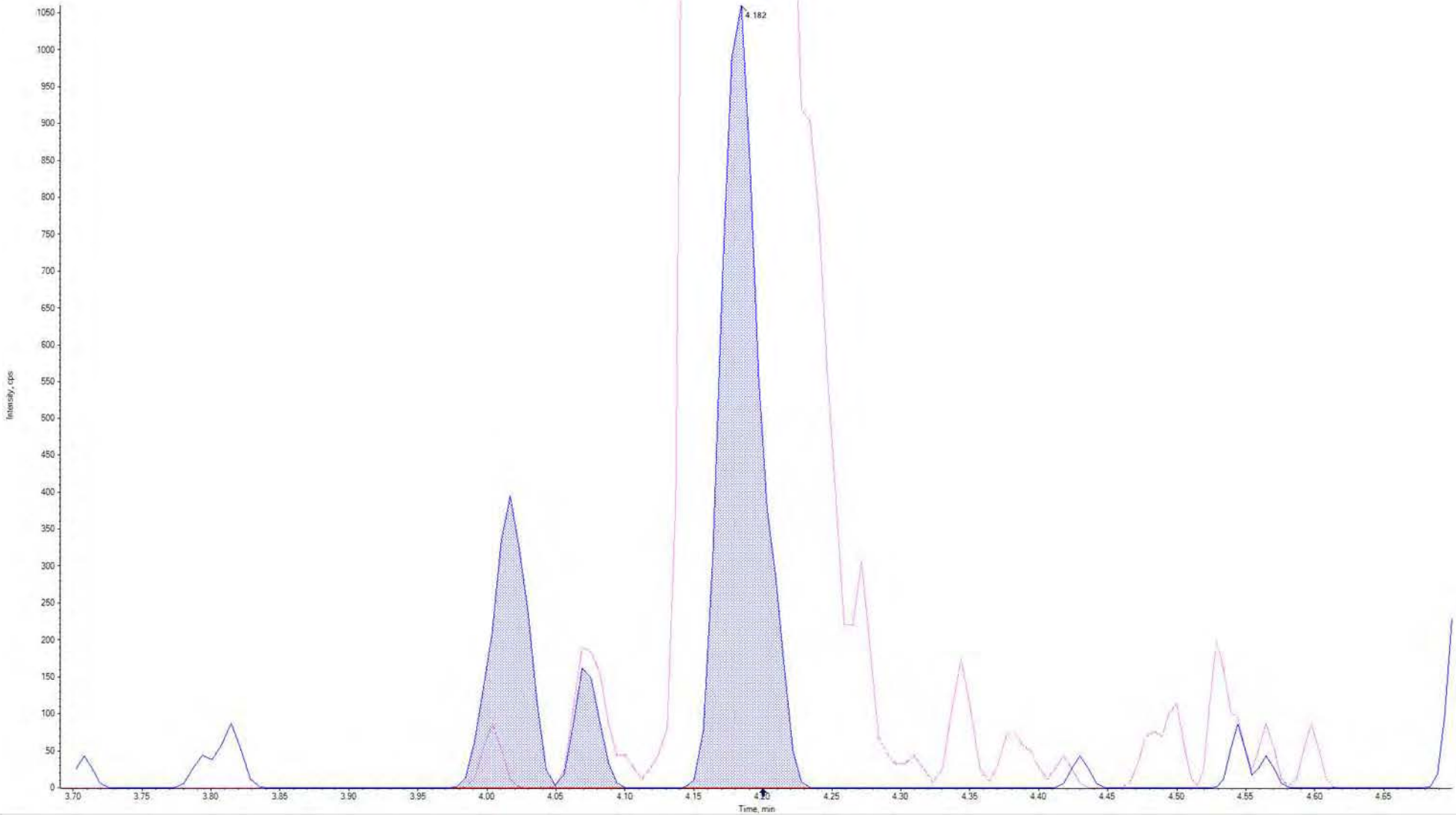
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

NEtFOSAA
Sample: WG2038851-1,1633LOW S/N:62.1 Points Across peak:54



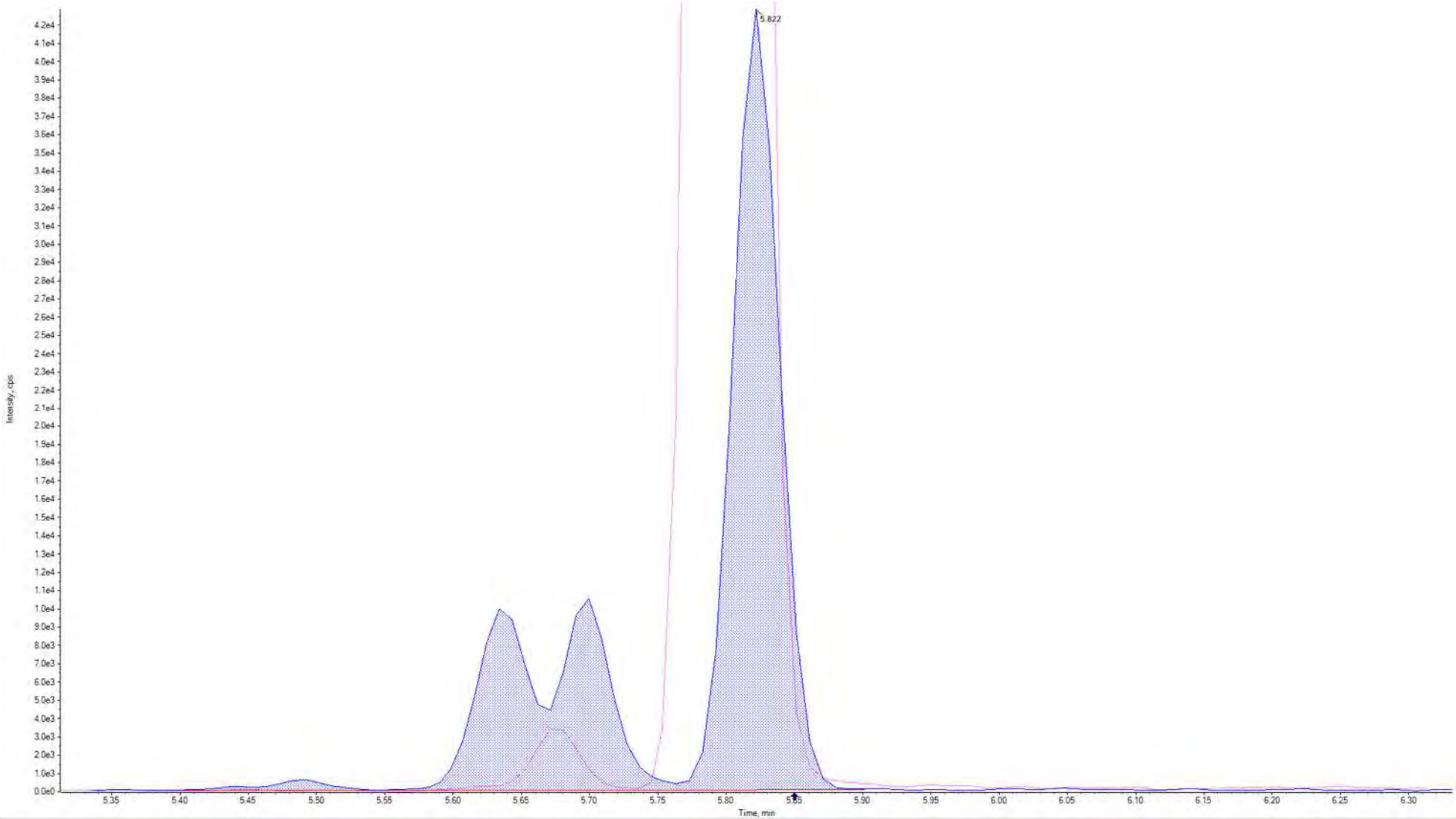
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

NEtFOSAA_2
Sample: WG2038851-1,1633LOW S/N:23.9 Points Across peak:44



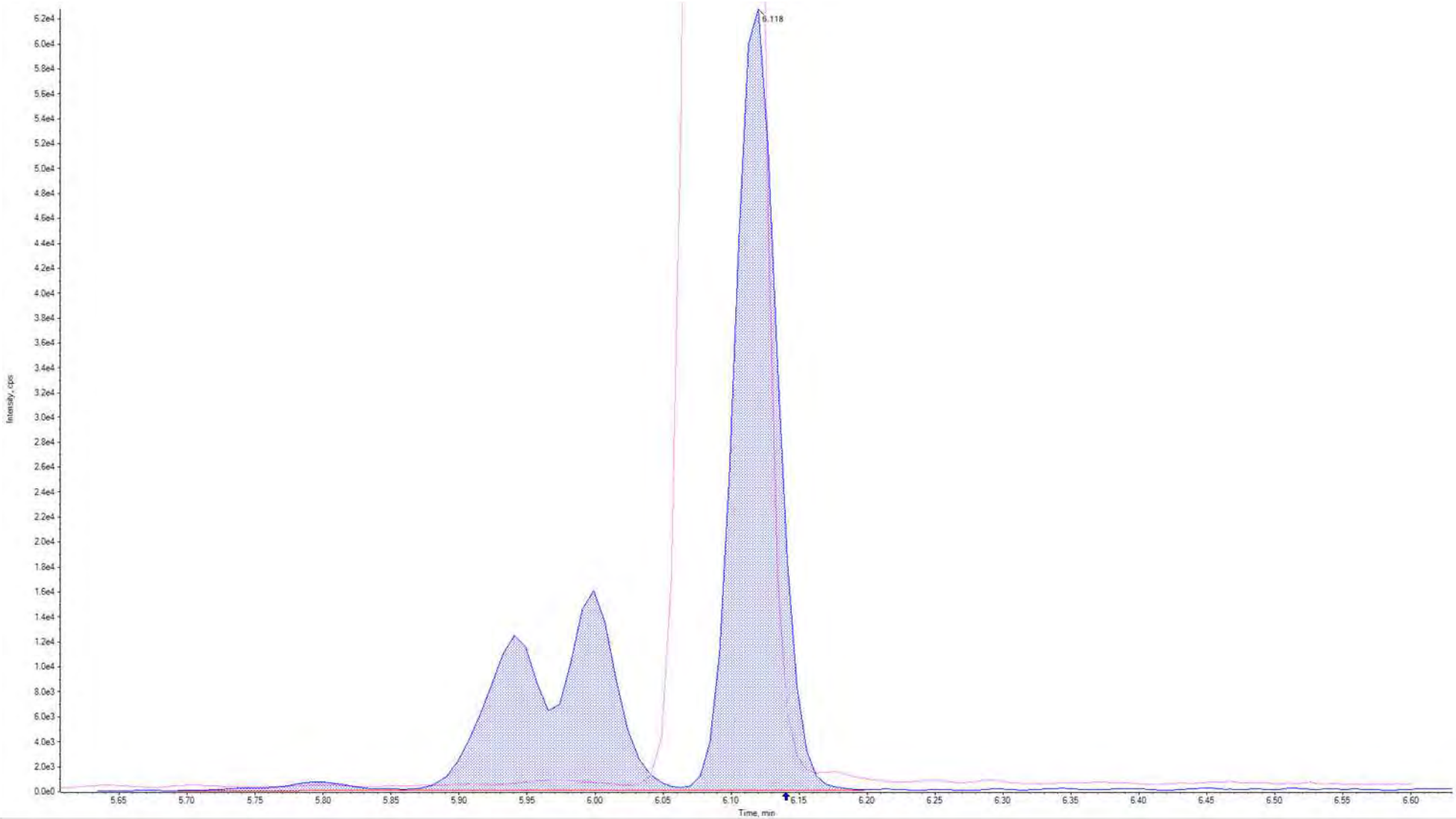
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

NMeFOSE
Sample: WG2038851-1,1633LOW S/N:219.7 Points Across peak:59



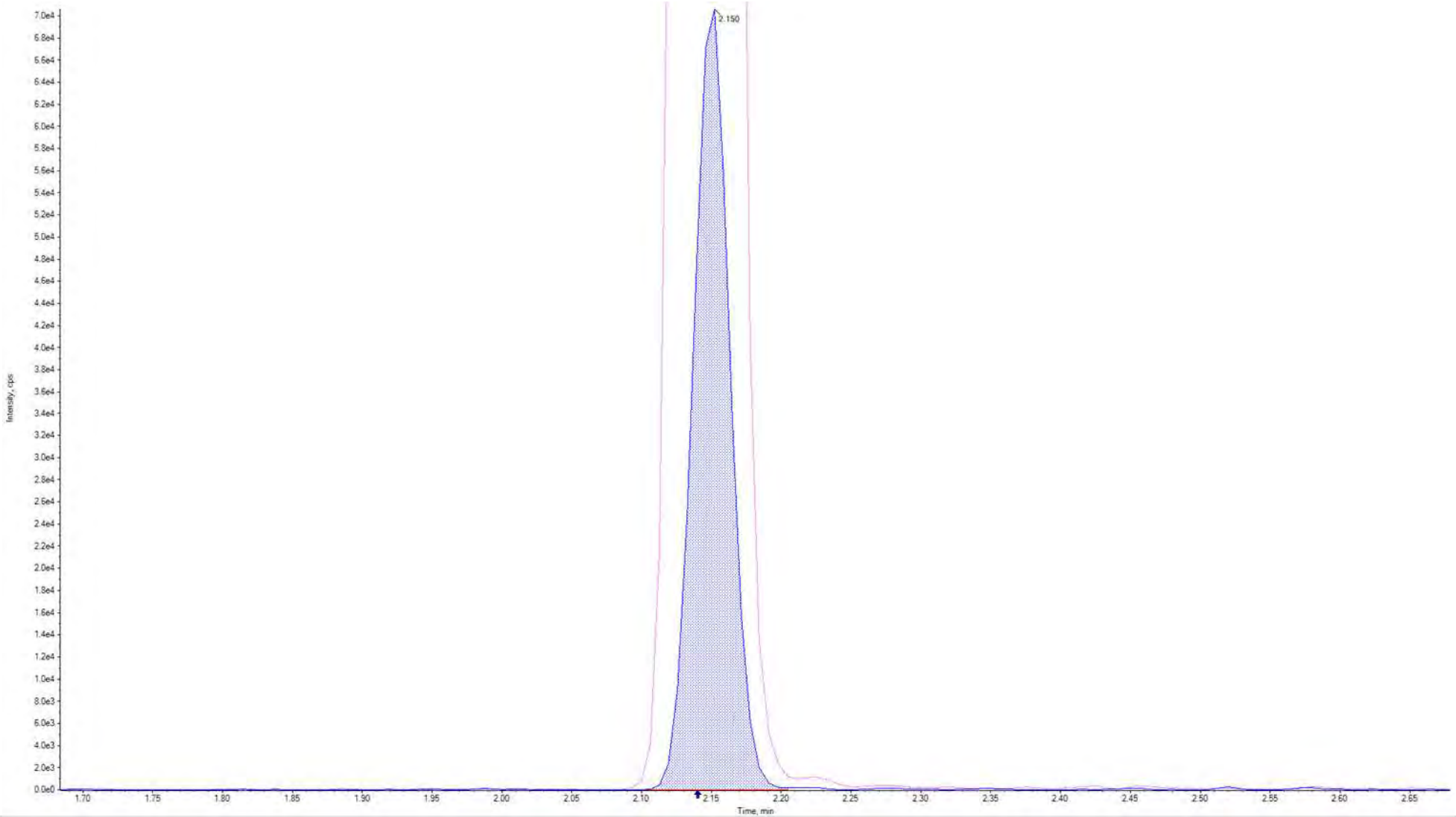
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

NEtFOSE
Sample: WG2038851-1,1633LOW S/N:356.6 Points Across peak:62



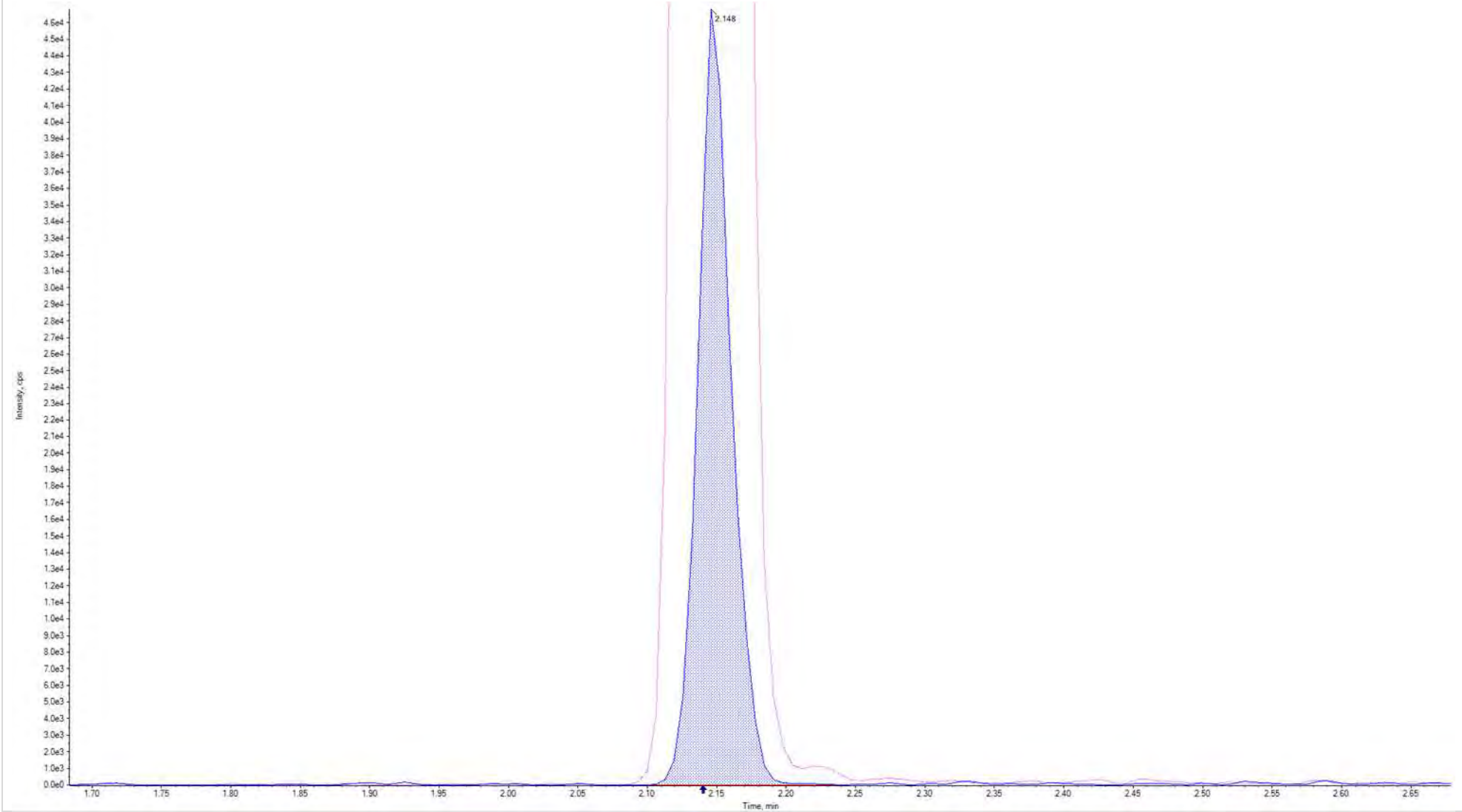
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

HFPO-DA
Sample: WG2038851-1,1633LOW S/N:1592.7 Points Across peak:19



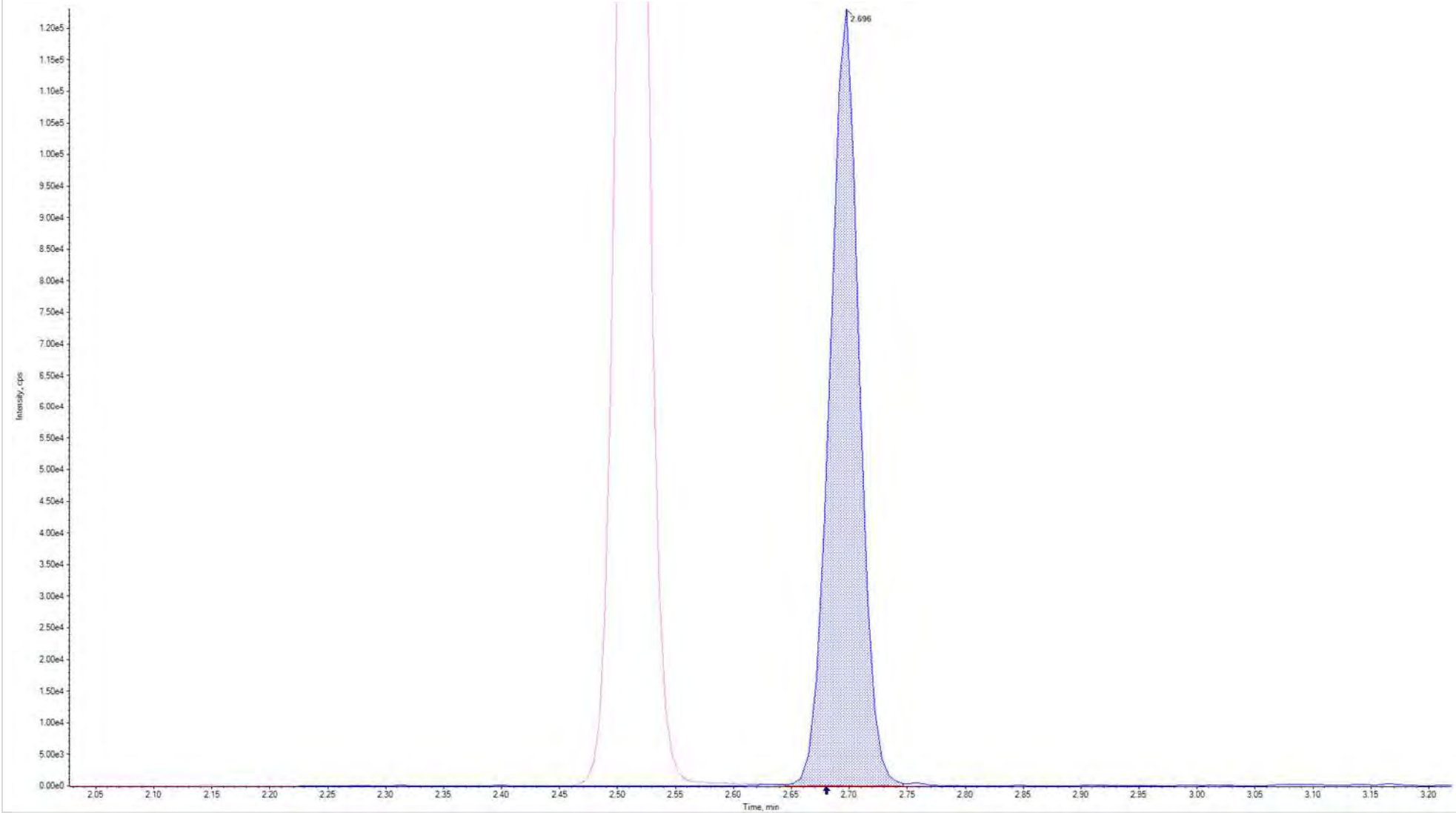
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

HFPO-DA_2
Sample: WG2038851-1,1633LOW S/N:1056.1 Points Across peak:23



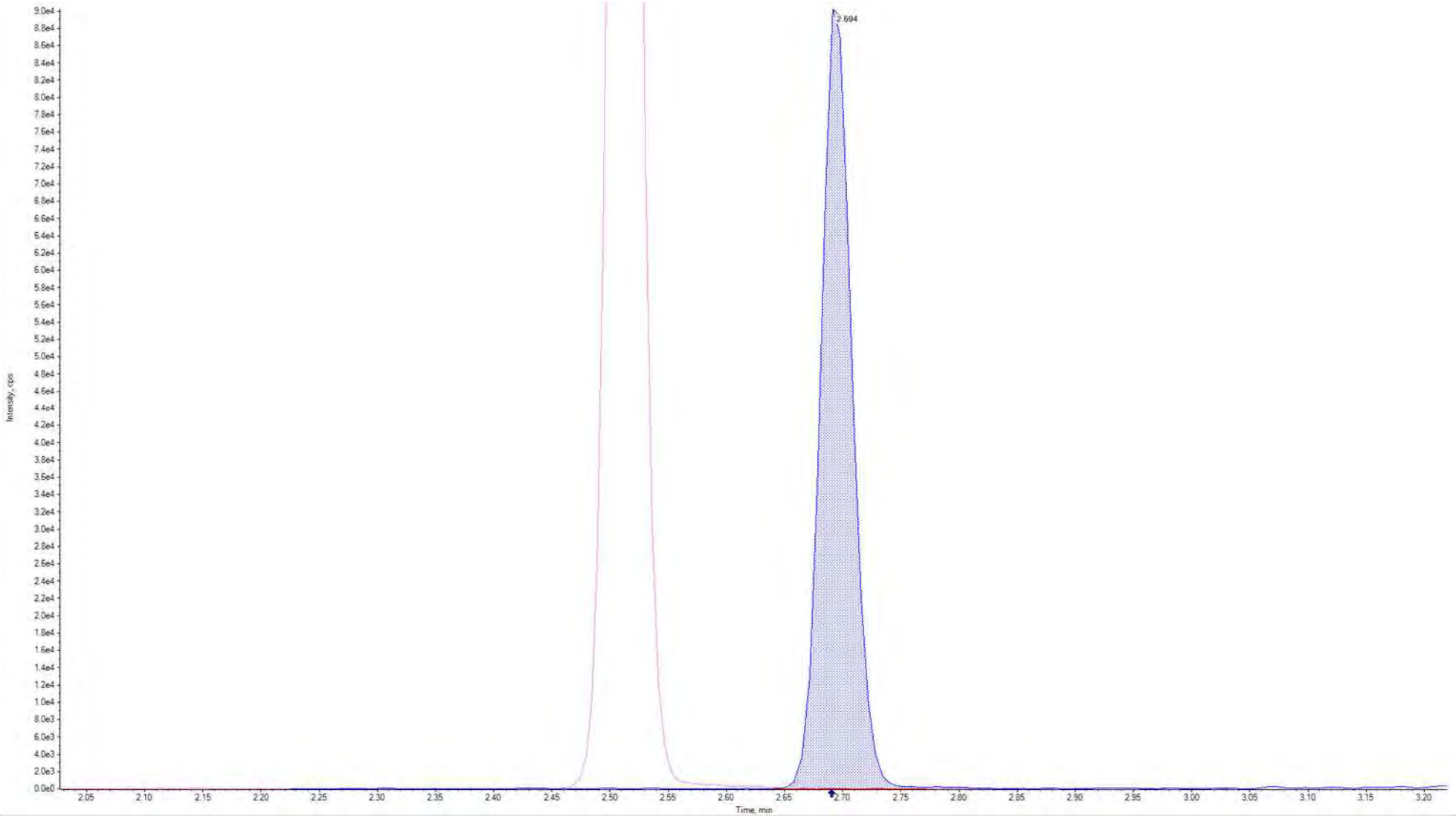
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

ADONA
Sample: WG2038851-1,1633LOW S/N:2466.7 Points Across peak:17



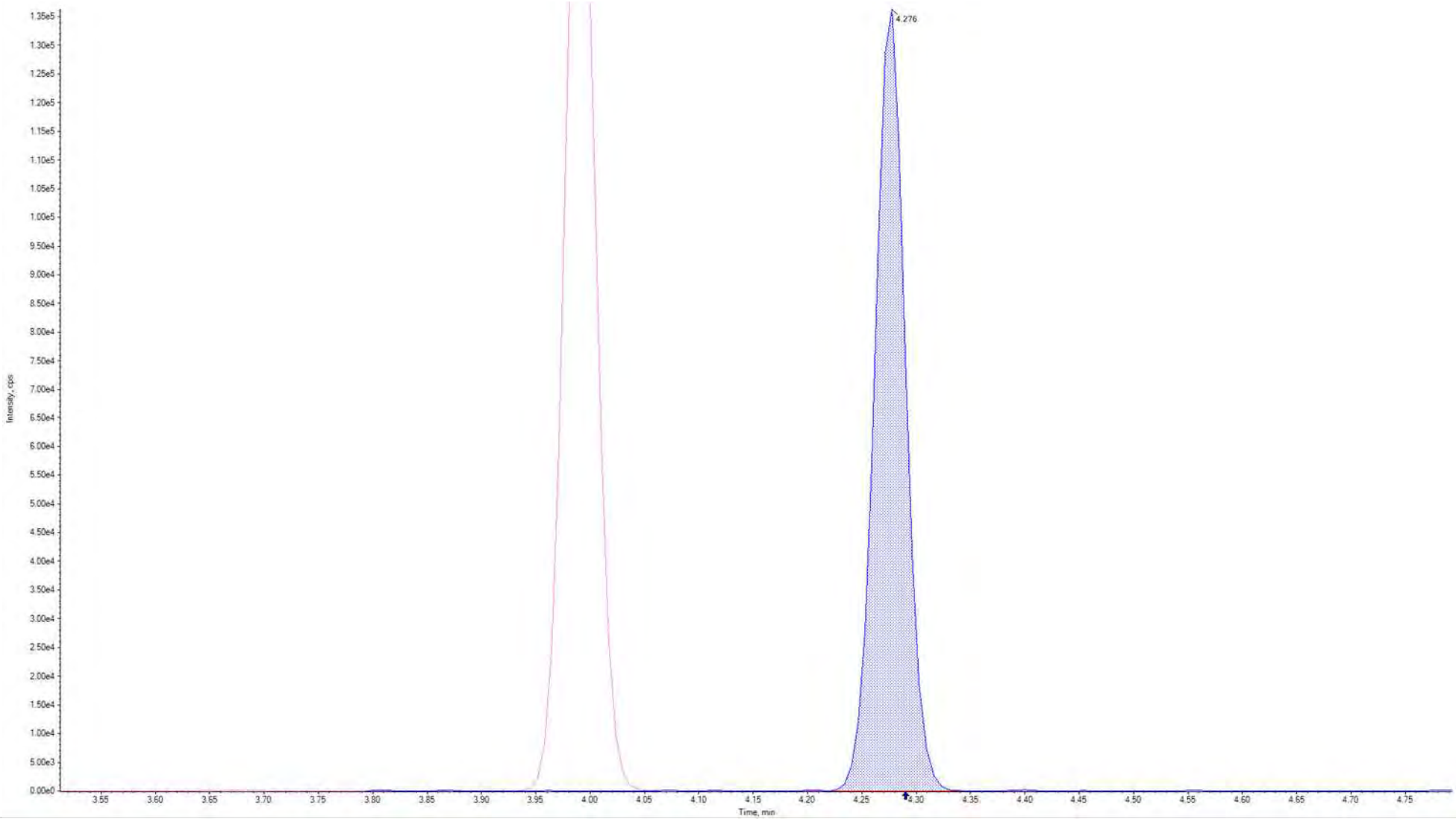
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

ADONA_2
Sample: WG2038851-1,1633LOW S/N:1808.9 Points Across peak:23



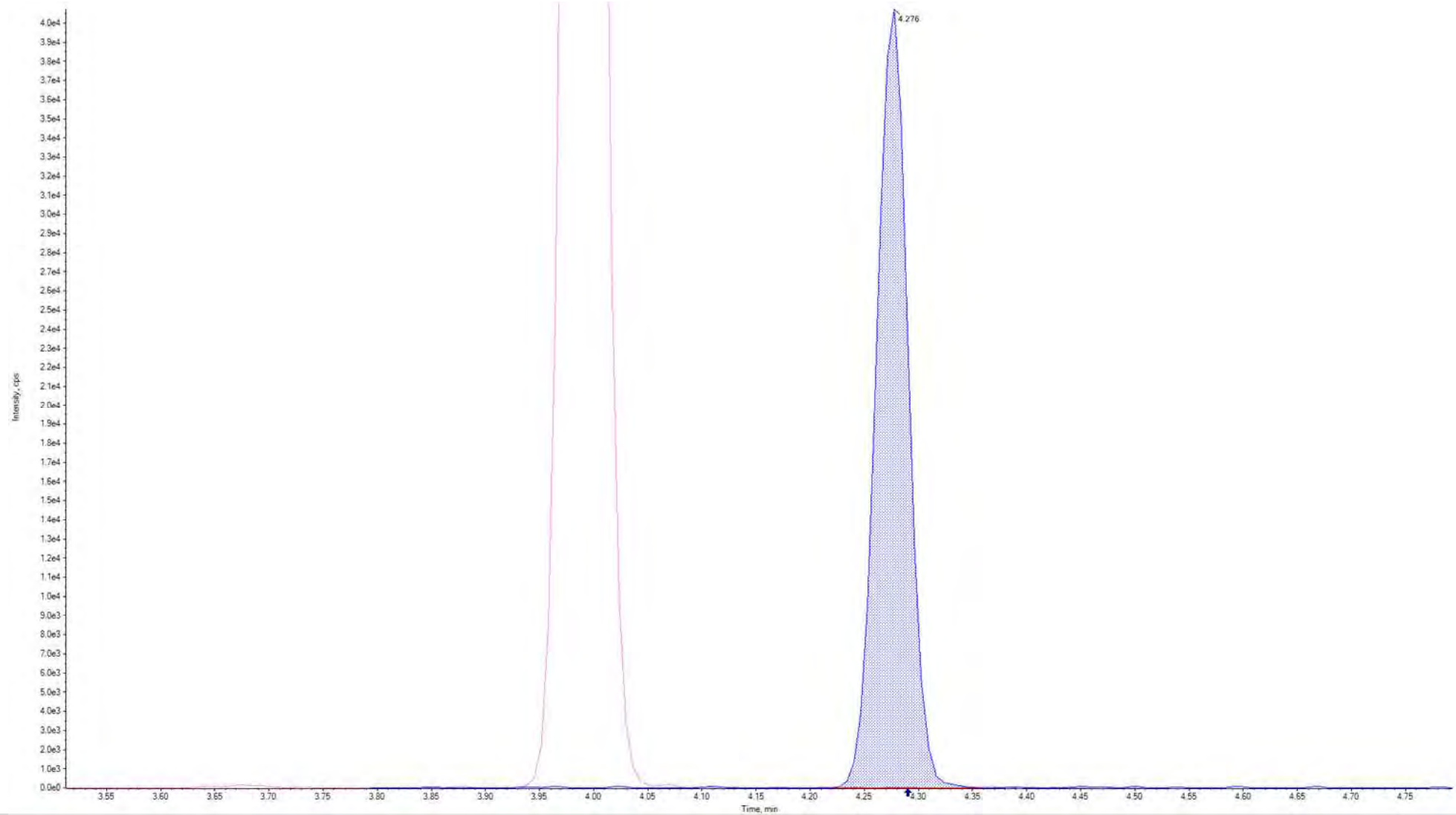
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

9Cl-PF3ONS
Sample: WG2038851-1,1633LOW S/N:3074.7 Points Across peak:25



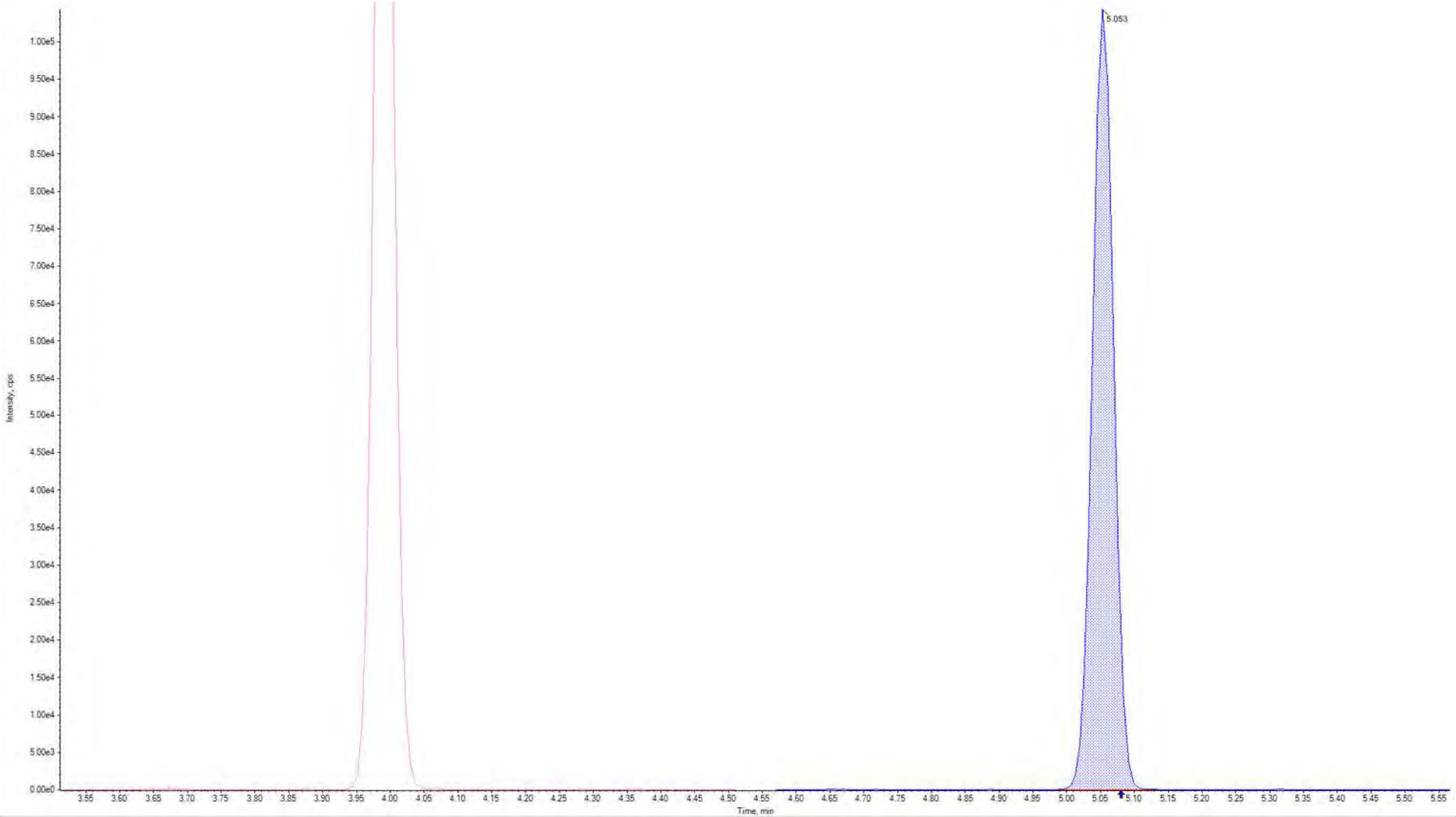
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

9Cl-PF3ONS_2
Sample: WG2038851-1,1633LOW S/N:919.0 Points Across peak:27



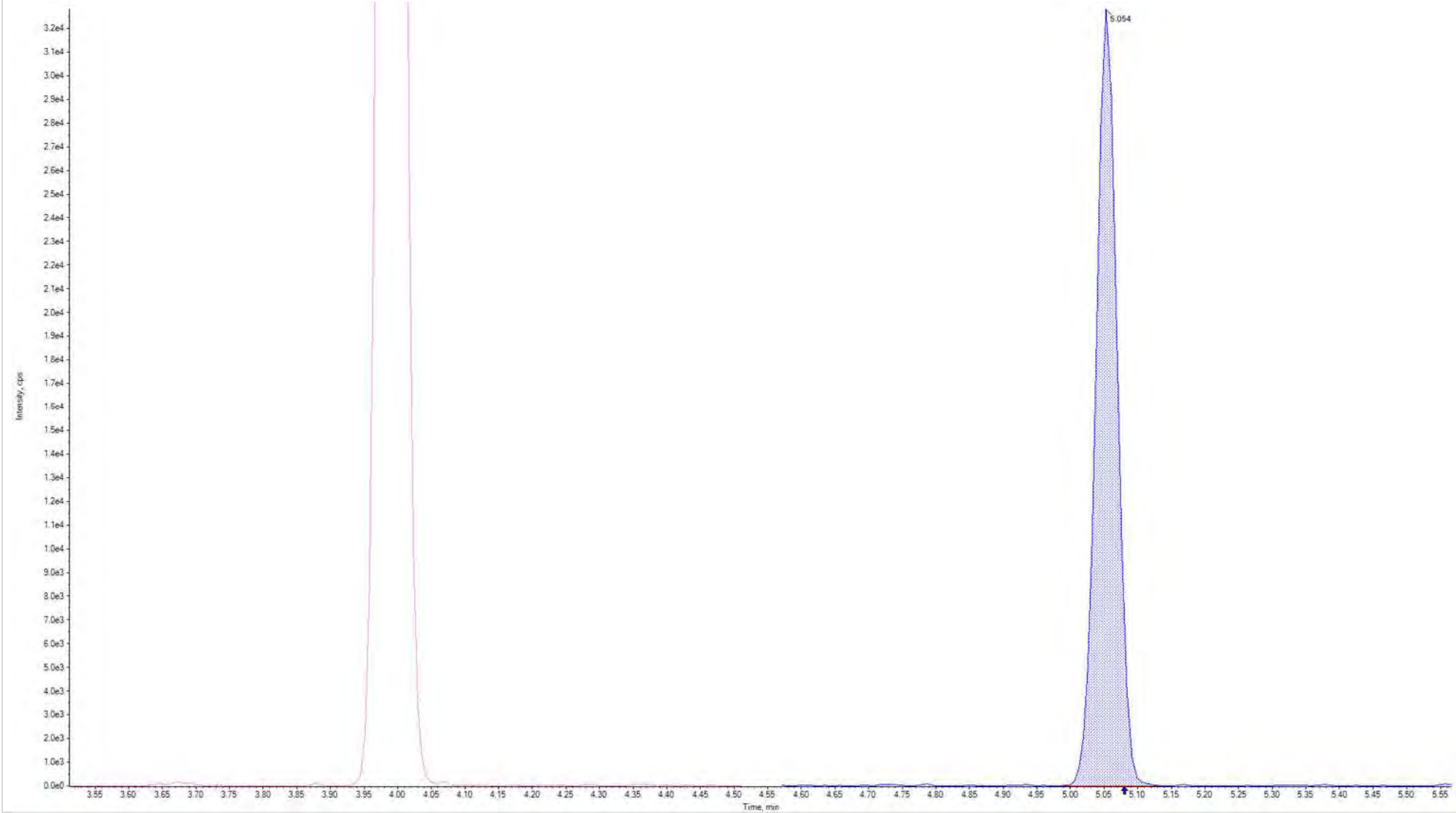
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

11Cl-PF3OUdS
Sample: WG2038851-1,1633LOW S/N:3717.3 Points Across peak:28



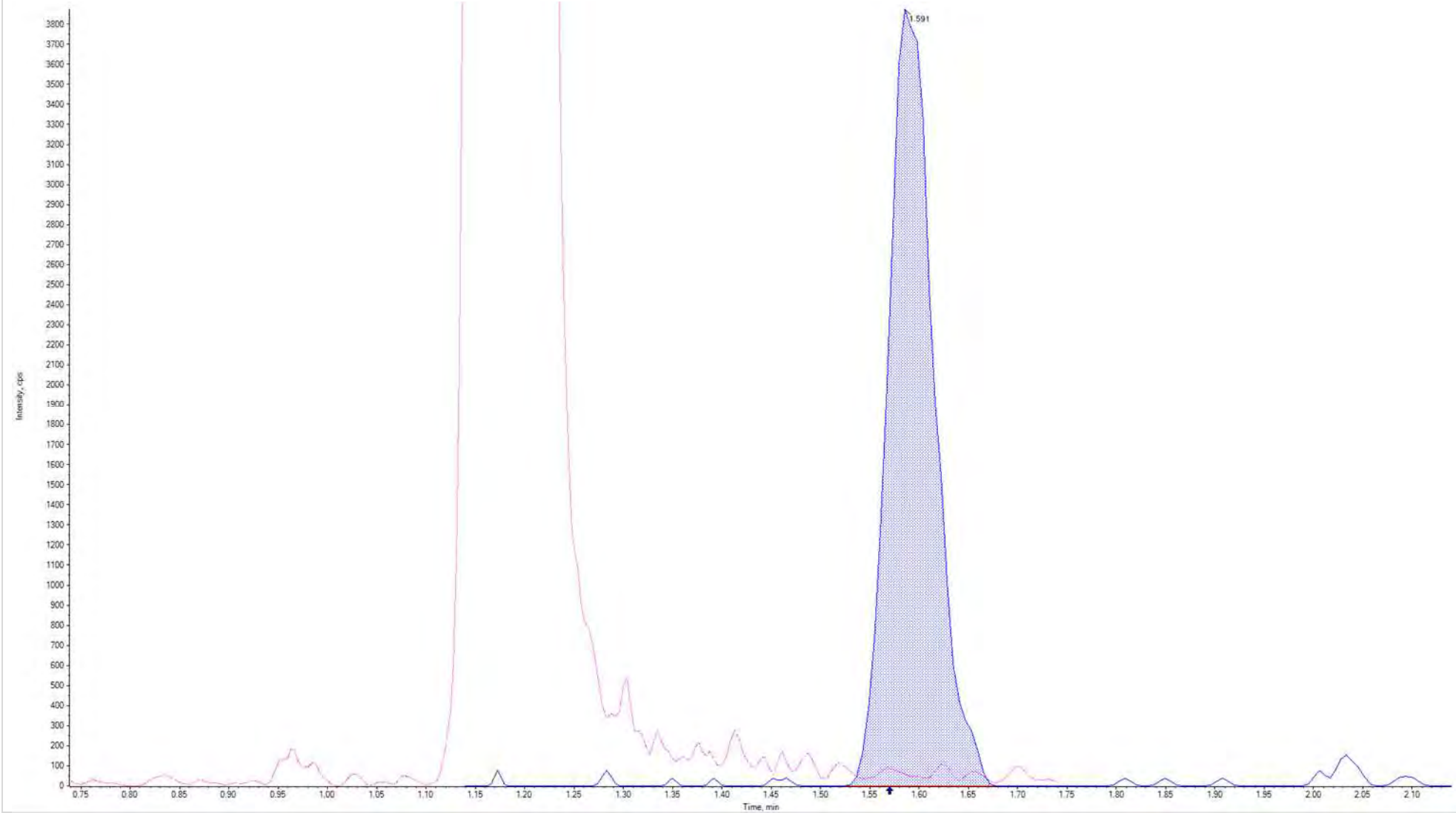
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

11Cl-PF3OUdS_2
Sample: WG2038851-1,1633LOW S/N:1562.6 Points Across peak:25



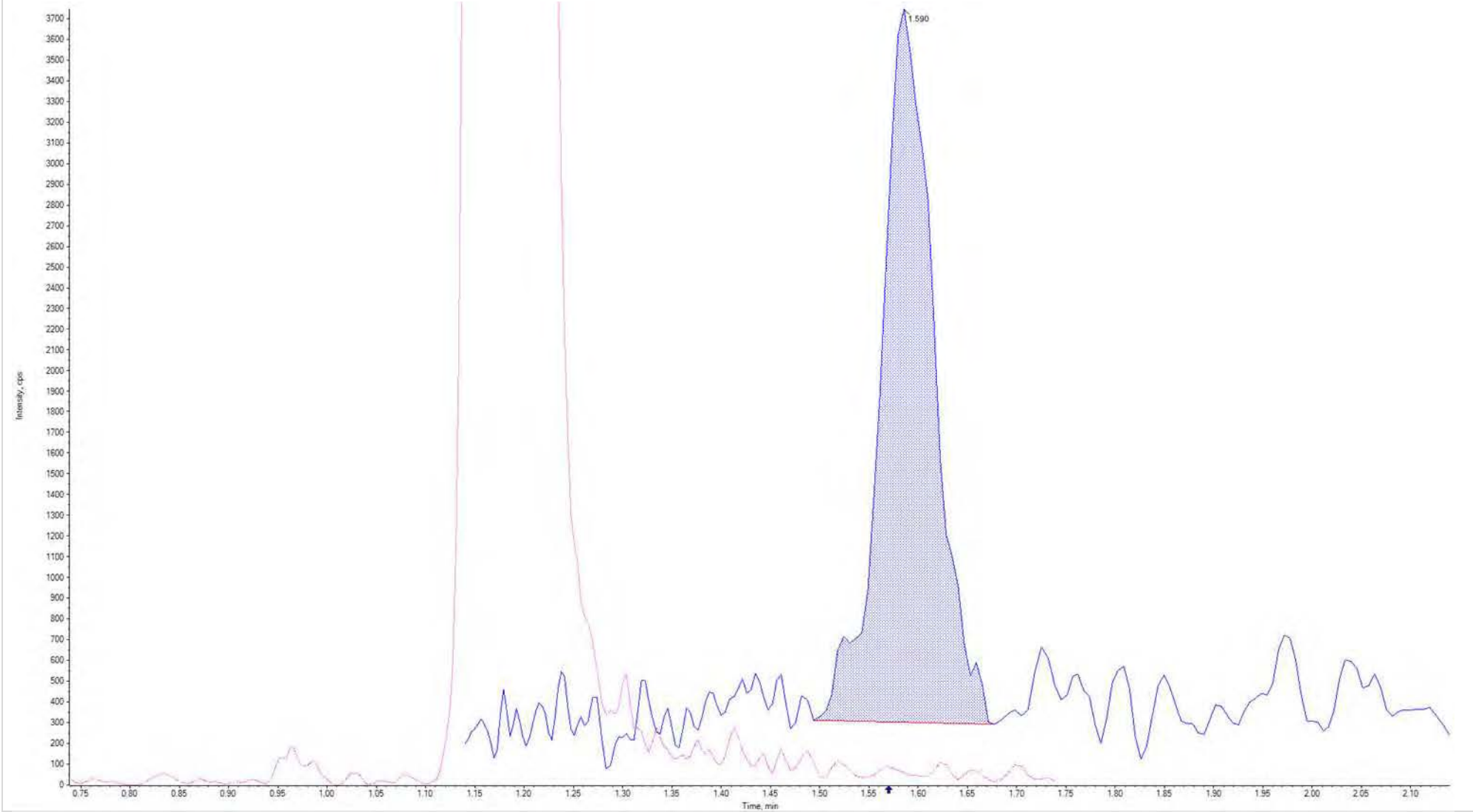
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

3:3FTCA
Sample: WG2038851-1,1633LOW S/N:97.1 Points Across peak:35



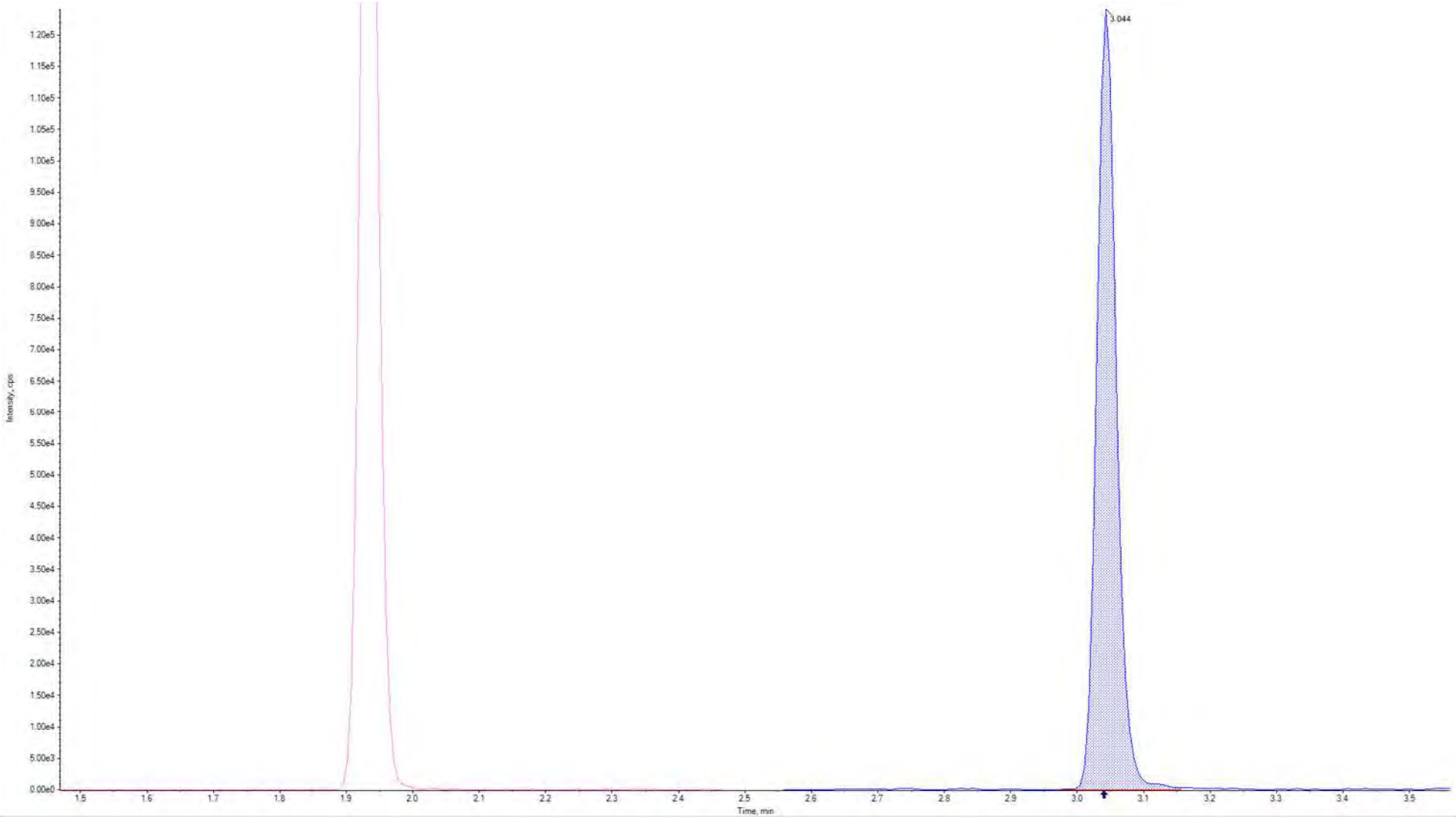
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

3:3FTCA_2
Sample: WG2038851-1,1633LOW S/N:86.3 Points Across peak:31



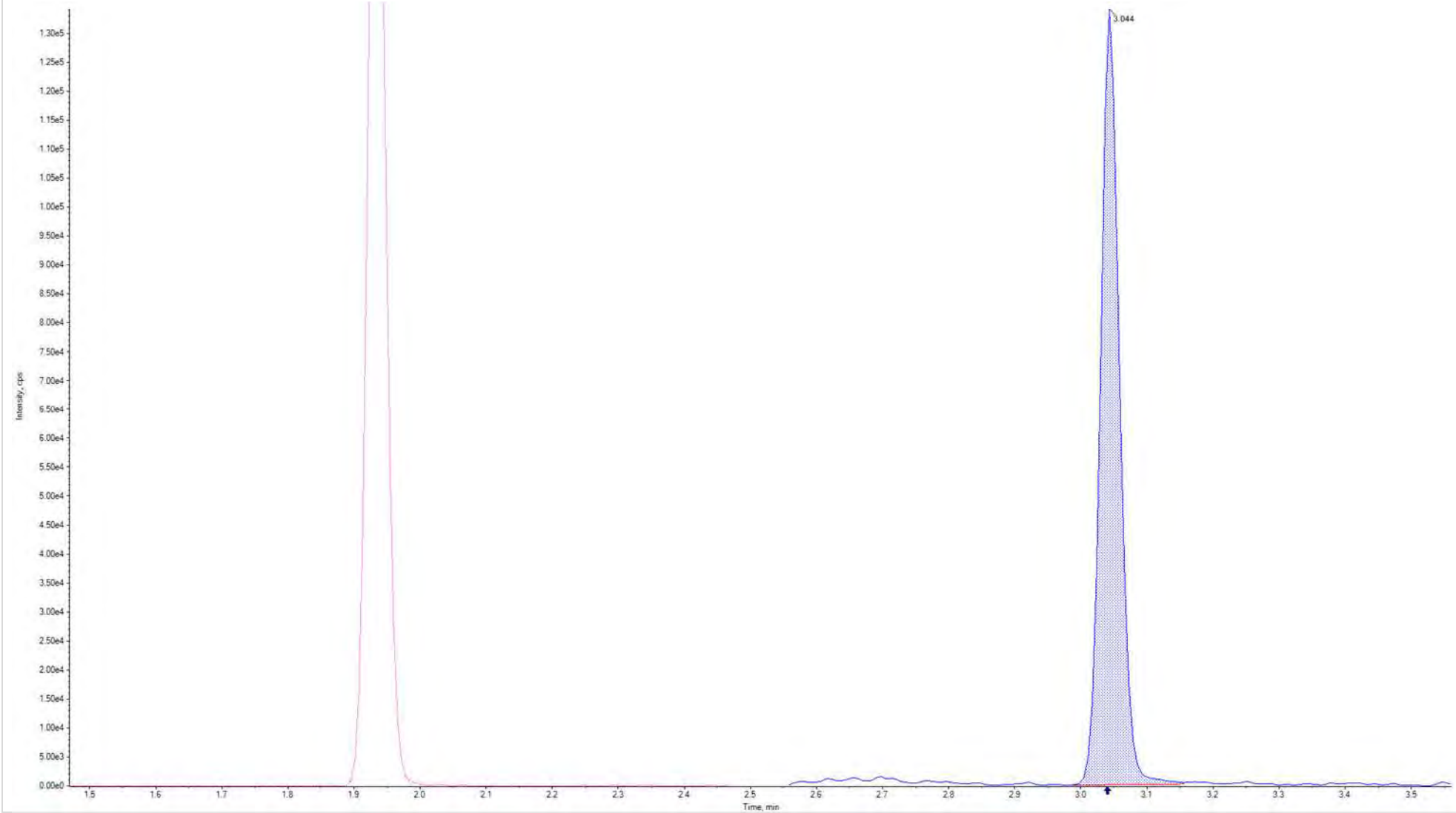
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

5:3FTCA
Sample: WG2038851-1,1633LOW S/N:2800.0 Points Across peak:32



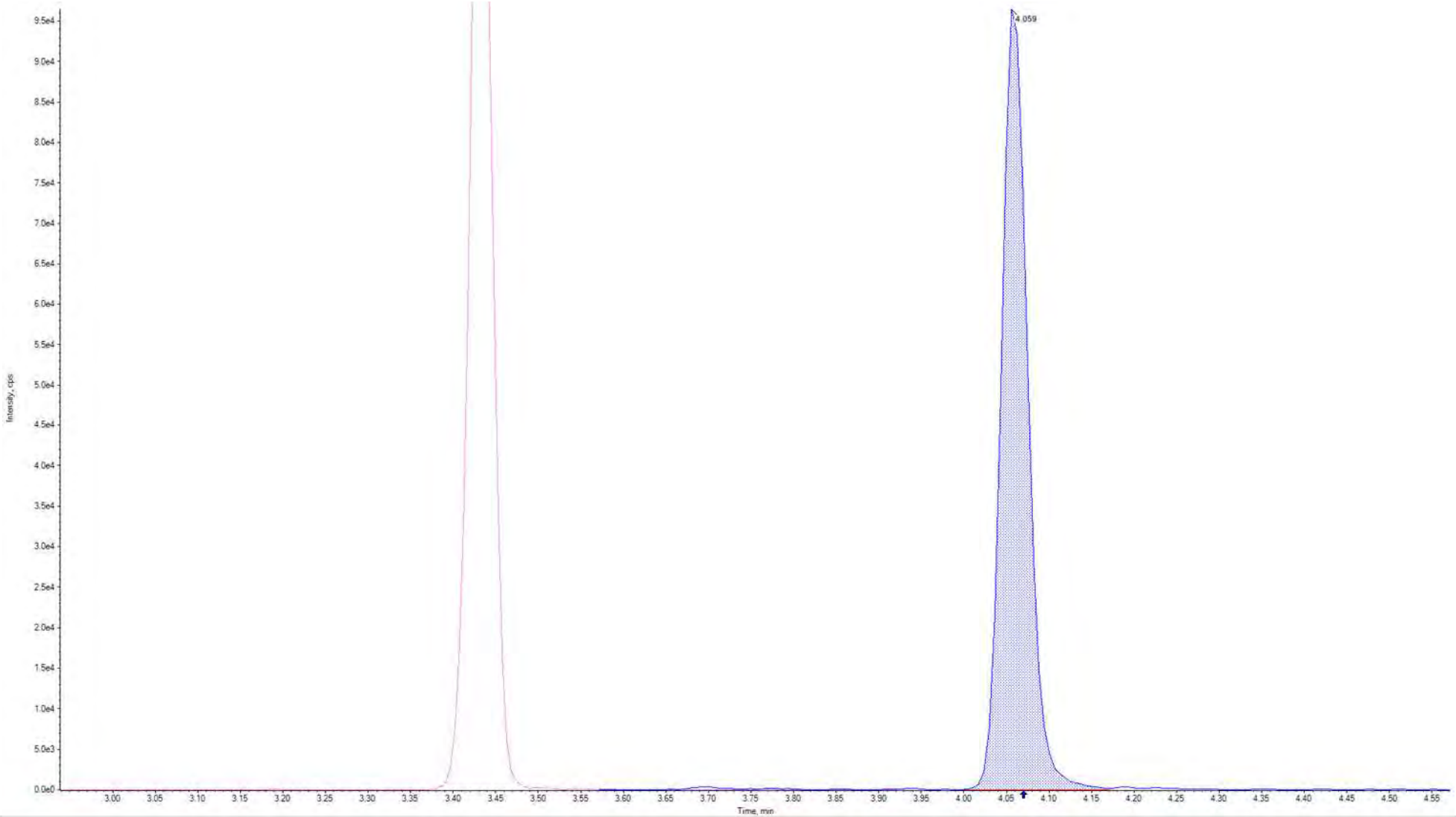
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

5:3FTCA_2
Sample: WG2038851-1,1633LOW S/N:2999.2 Points Across peak:30



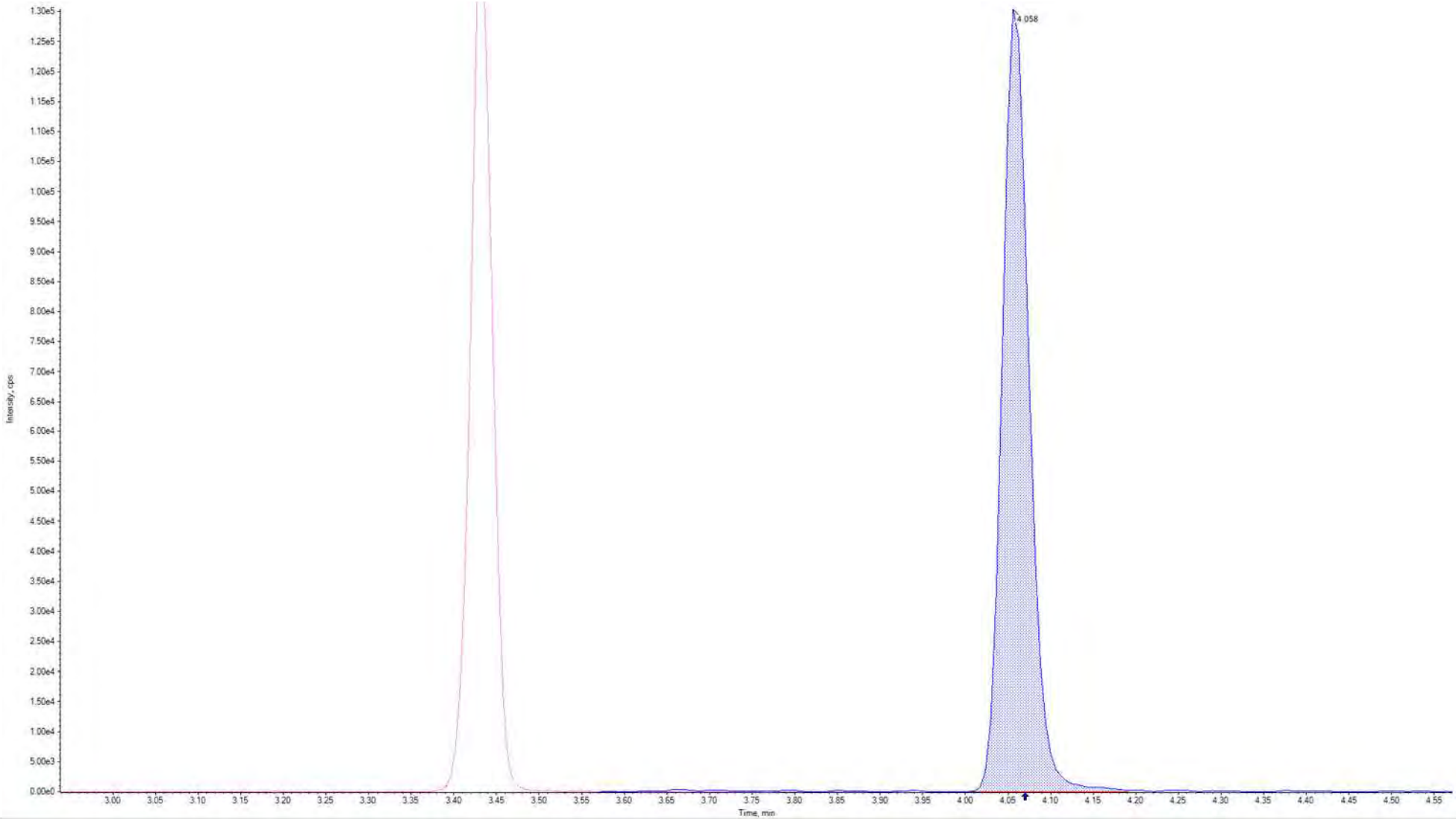
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

7:3FTCA
Sample: WG2038851-1,1633LOW S/N:2659.4 Points Across peak:29



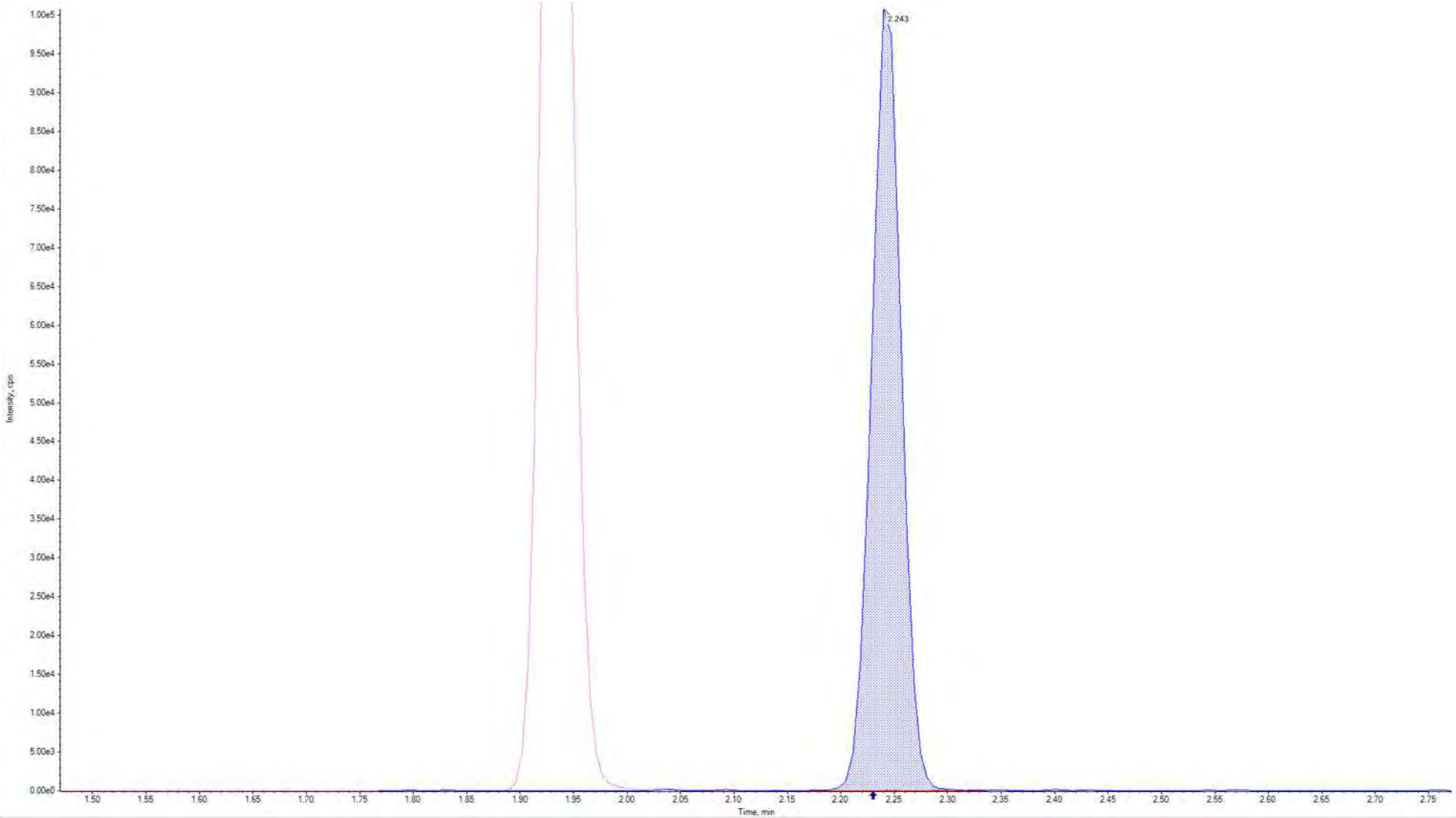
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

7:3FTCA_2
Sample: WG2038851-1,1633LOW S/N:1870.2 Points Across peak:31



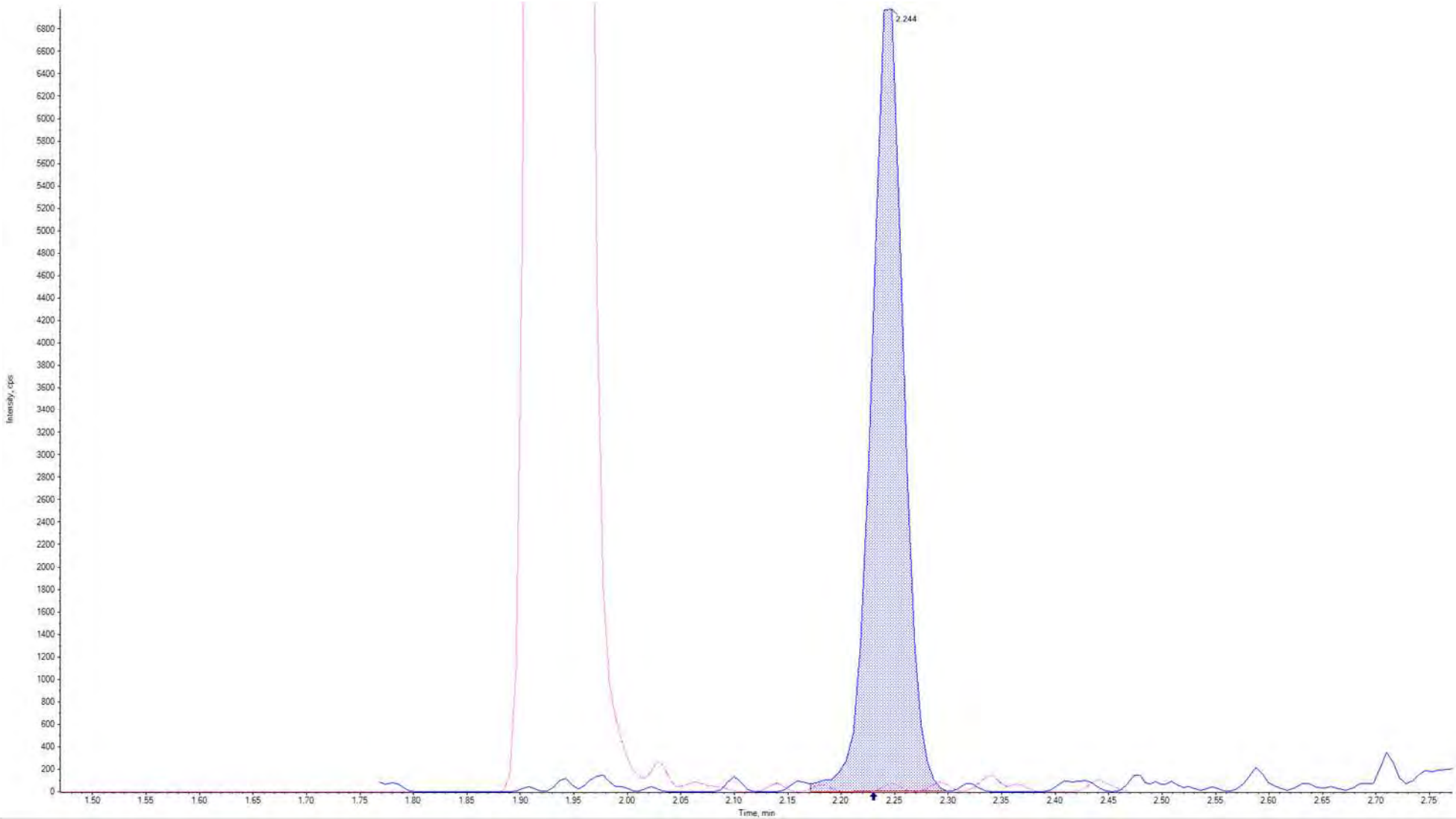
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFEESA
Sample: WG2038851-1,1633LOW S/N:2272.4 Points Across peak:29



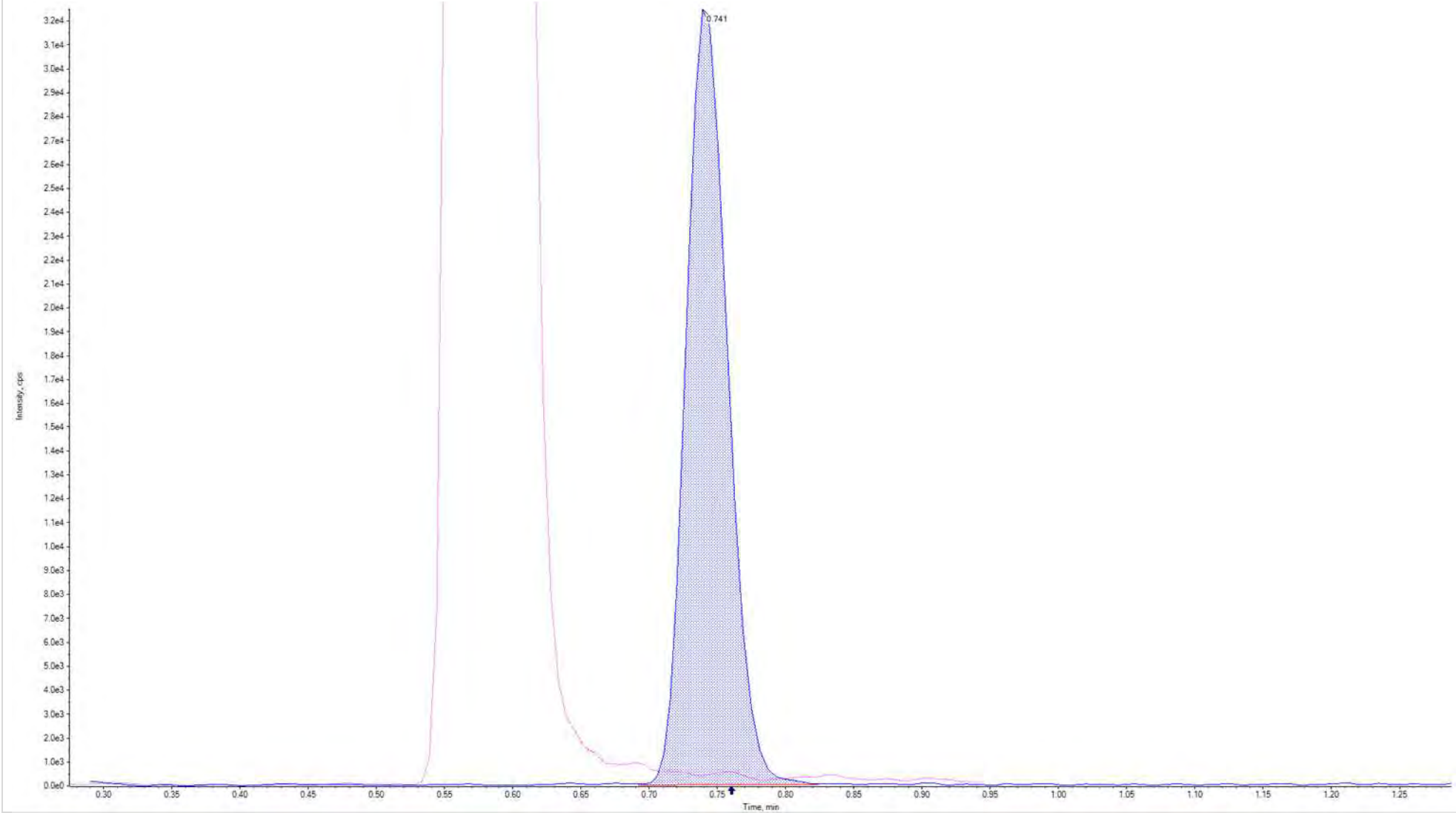
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFEESA_2
Sample: WG2038851-1,1633LOW S/N:157.2 Points Across peak:21



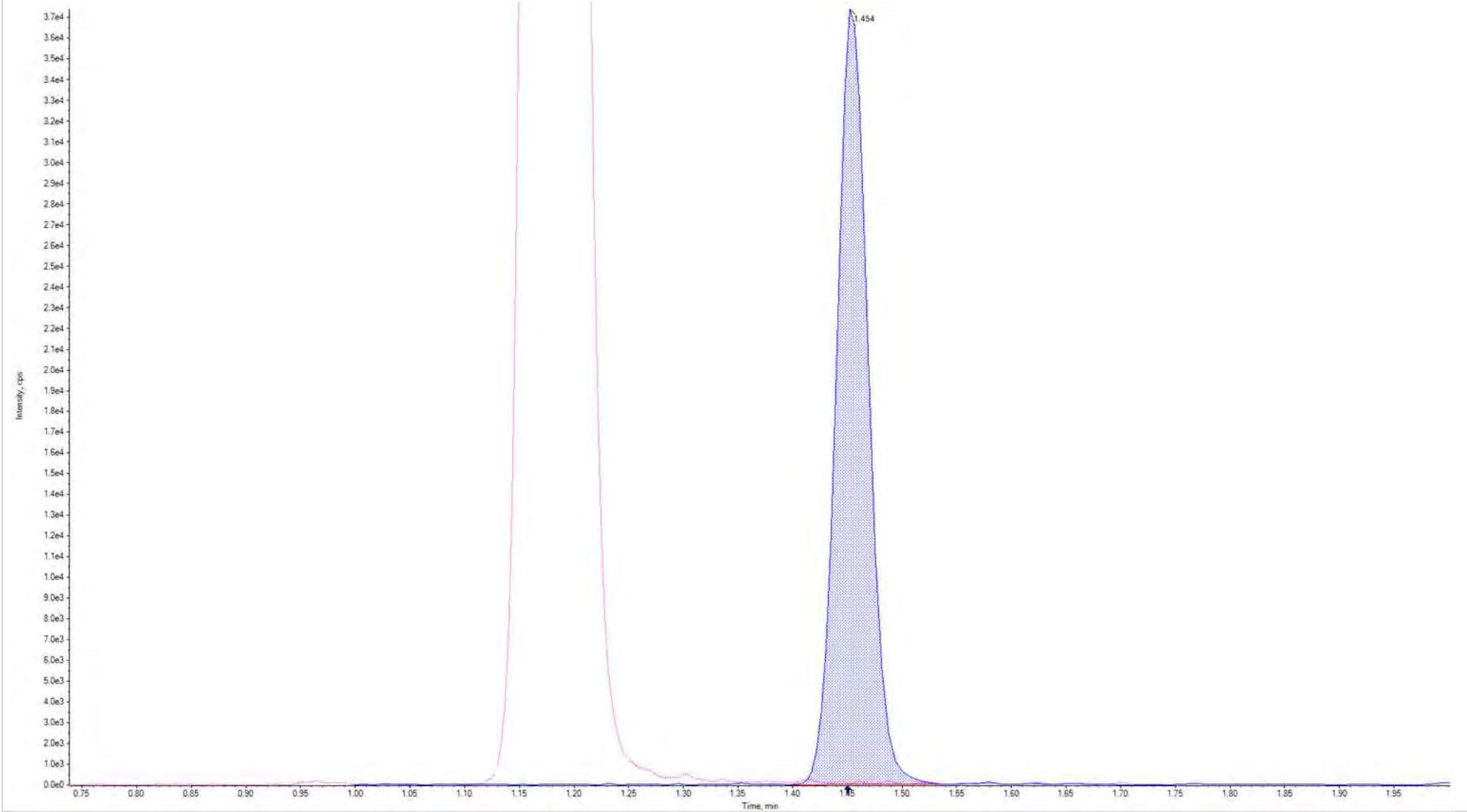
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFMPA
Sample: WG2038851-1,1633LOW S/N:3253.7 Points Across peak:25



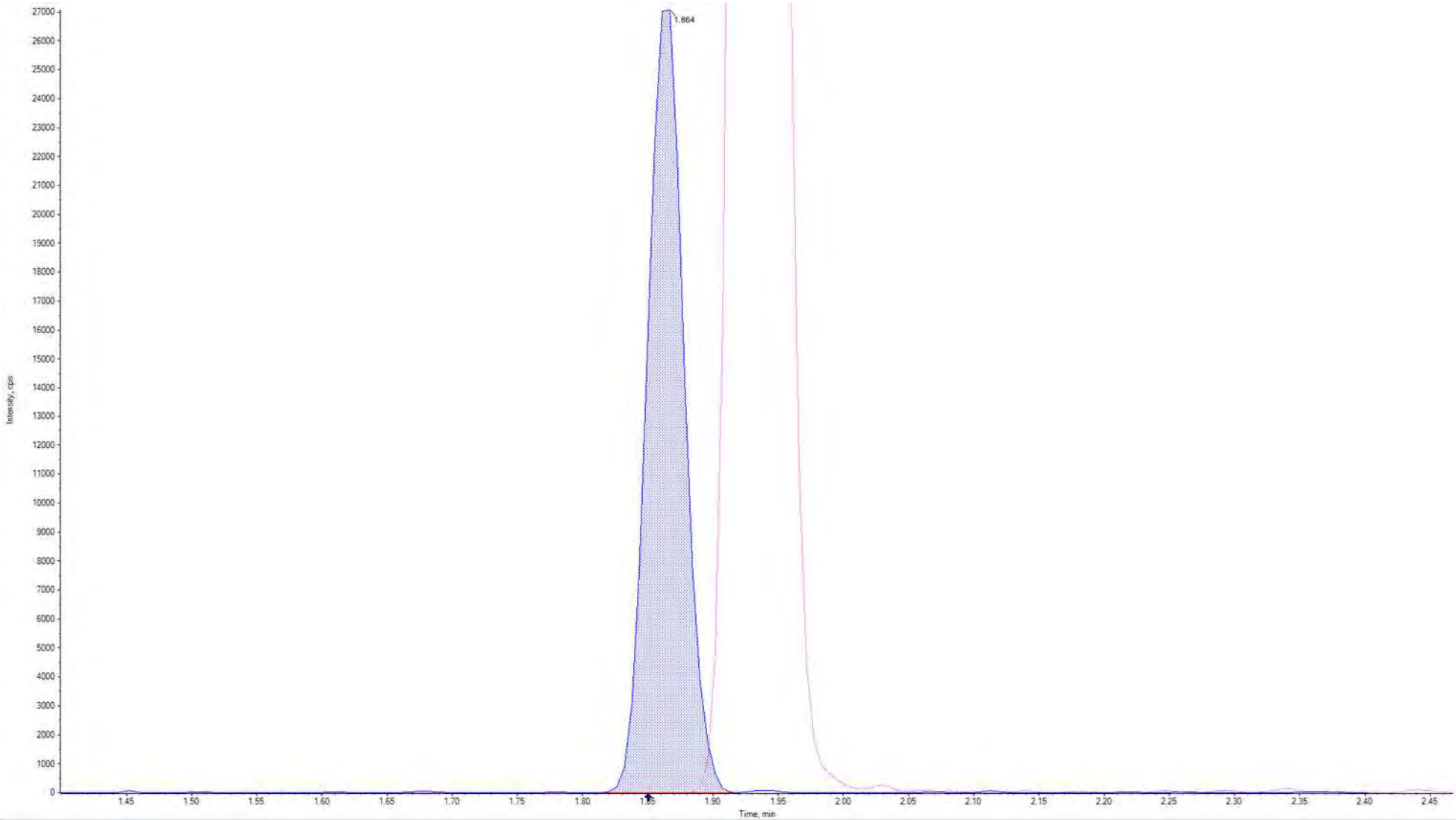
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFMBA
Sample: WG2038851-1,1633LOW S/N:2155.0 Points Across peak:30



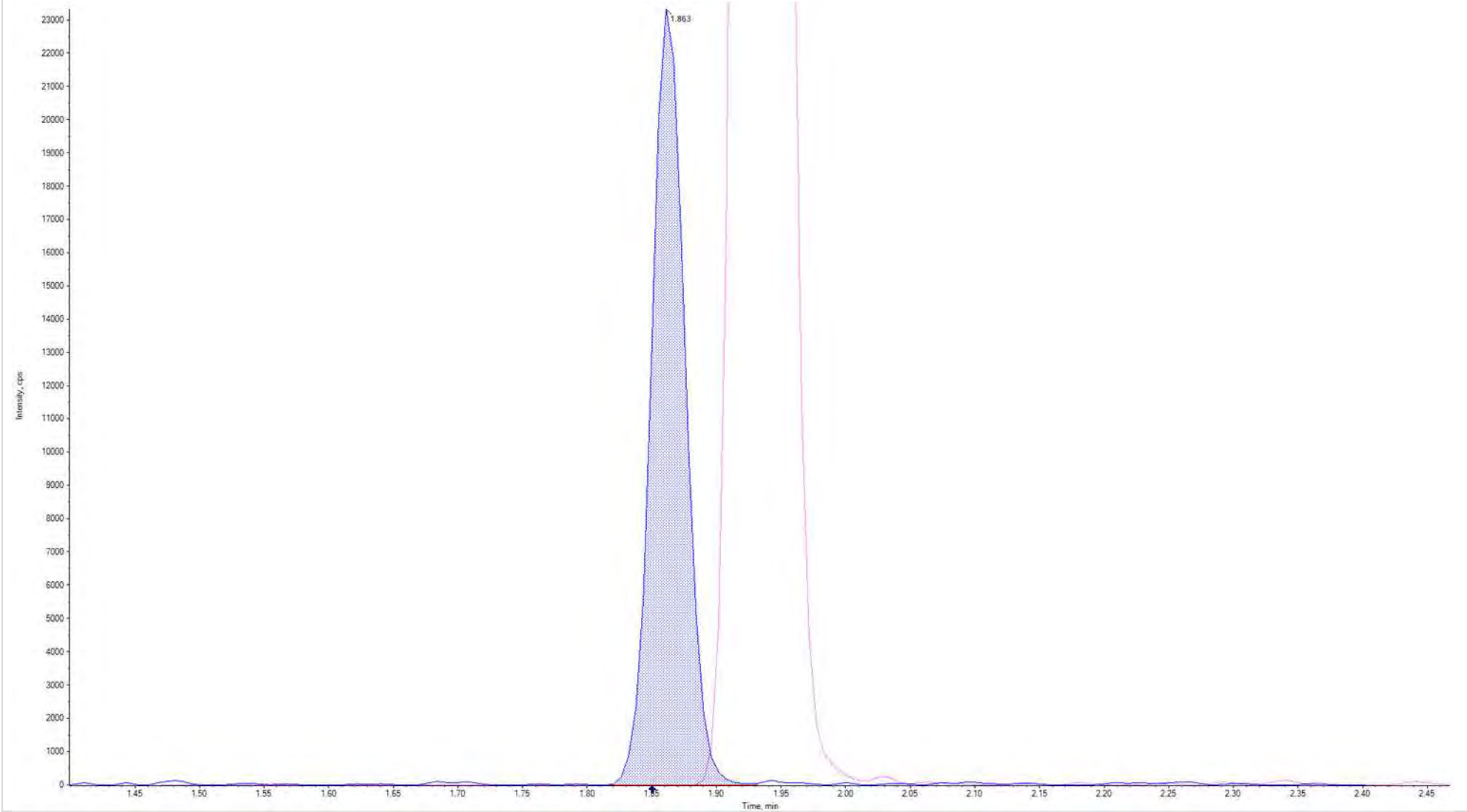
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

NFDHA
Sample: WG2038851-1,1633LOW S/N:746.4 Points Across peak:21



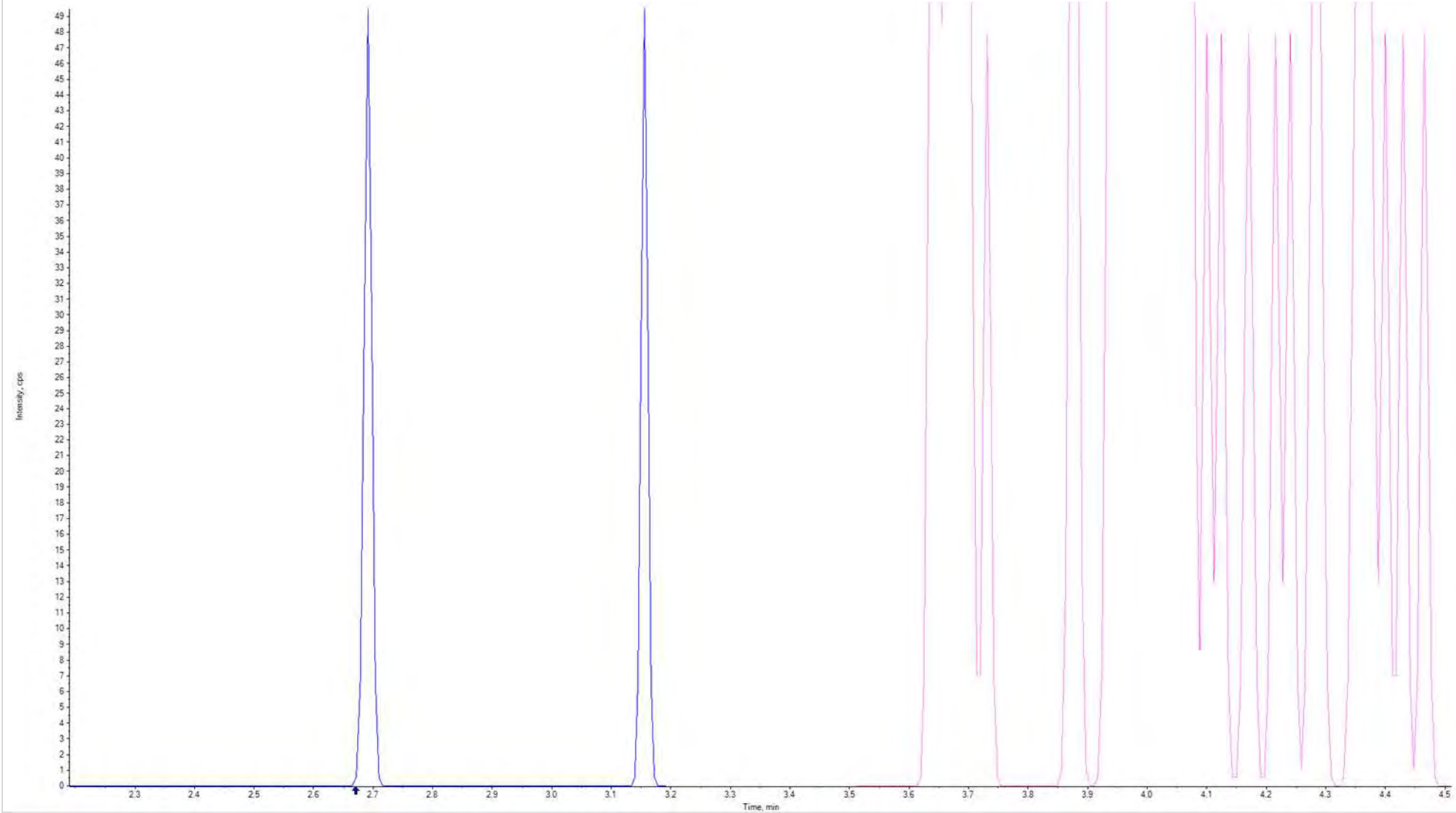
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

NFDHA_2
Sample: WG2038851-1,1633LOW S/N:643.1 Points Across peak:22



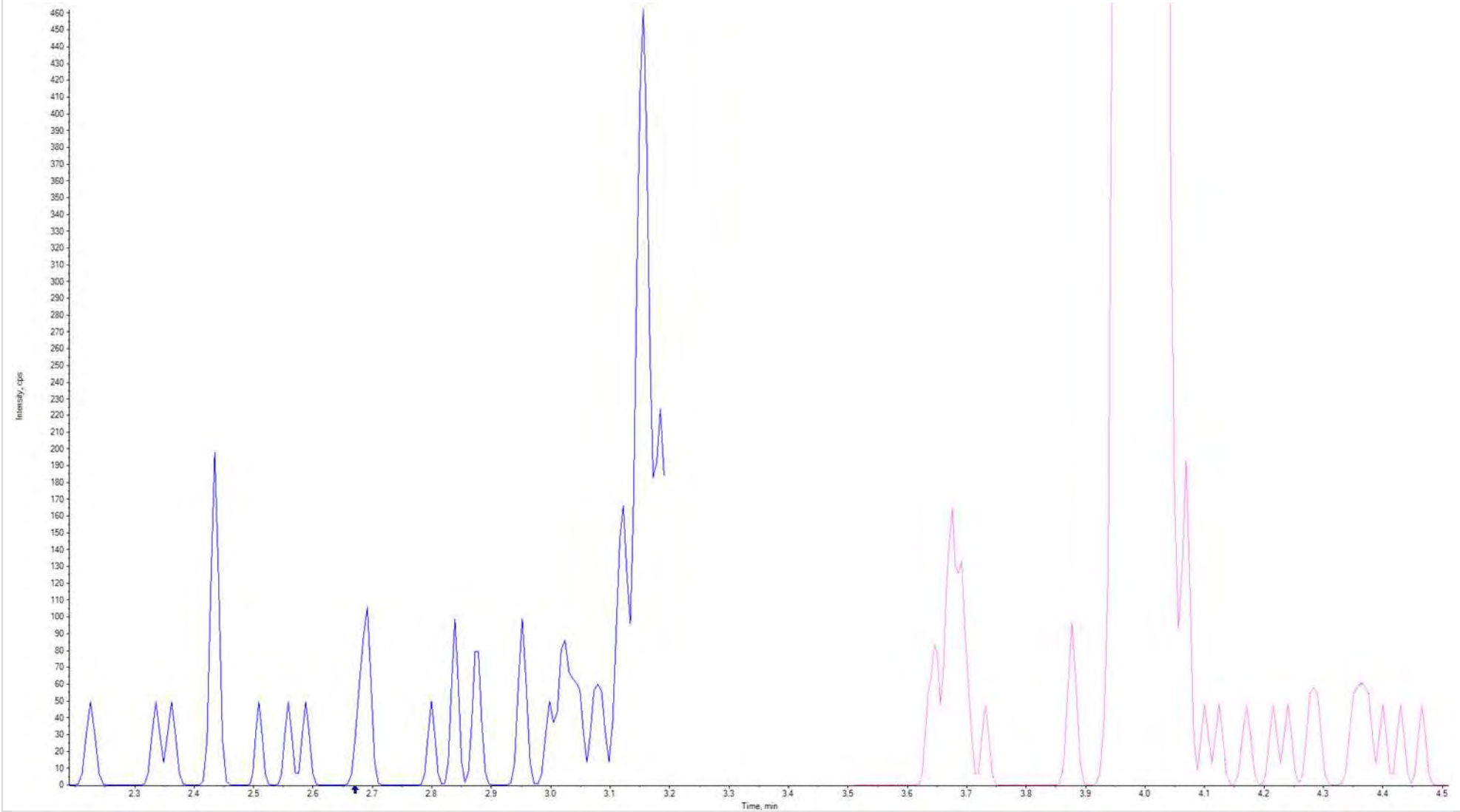
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

TDCA
Sample: WG2038851-1,1633LOW S/N:N/A Points Across peak:N/A



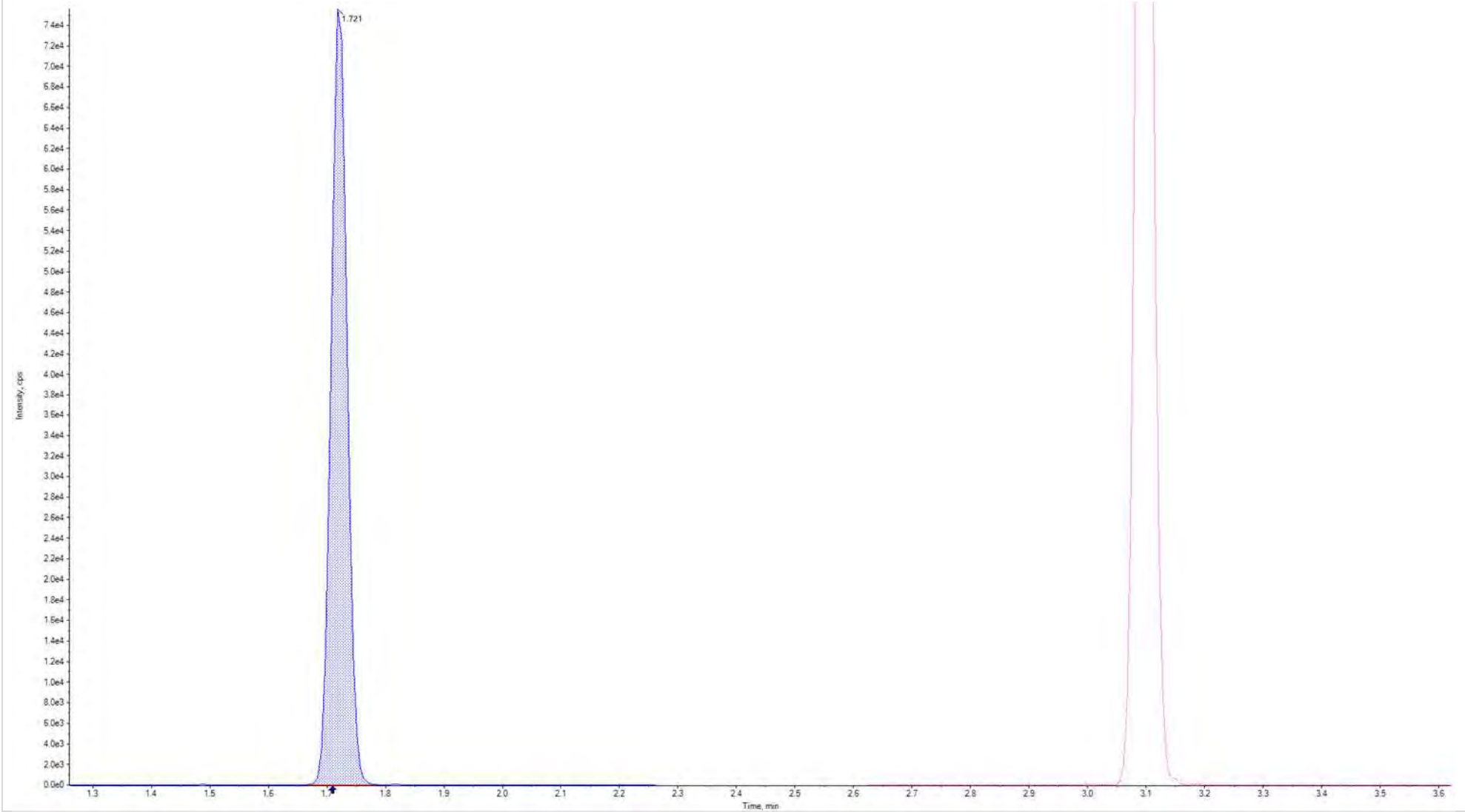
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

TDCA_2
Sample: WG2038851-1,1633LOW S/N:N/A Points Across peak:N/A



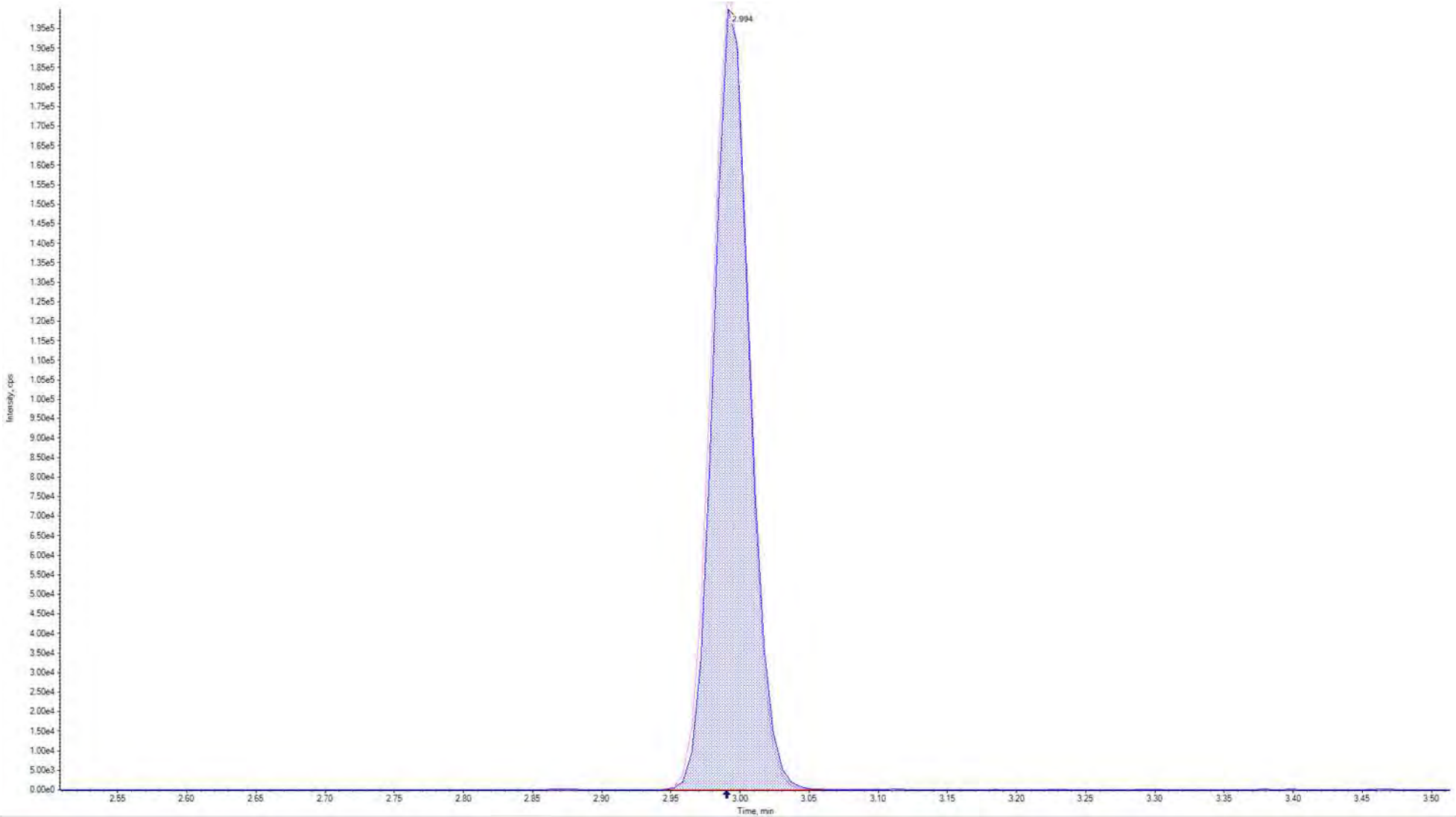
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

13C2D4-4:2FTS
Sample: WG2038851-1,1633LOW S/N:2841.7 Points Across peak:29

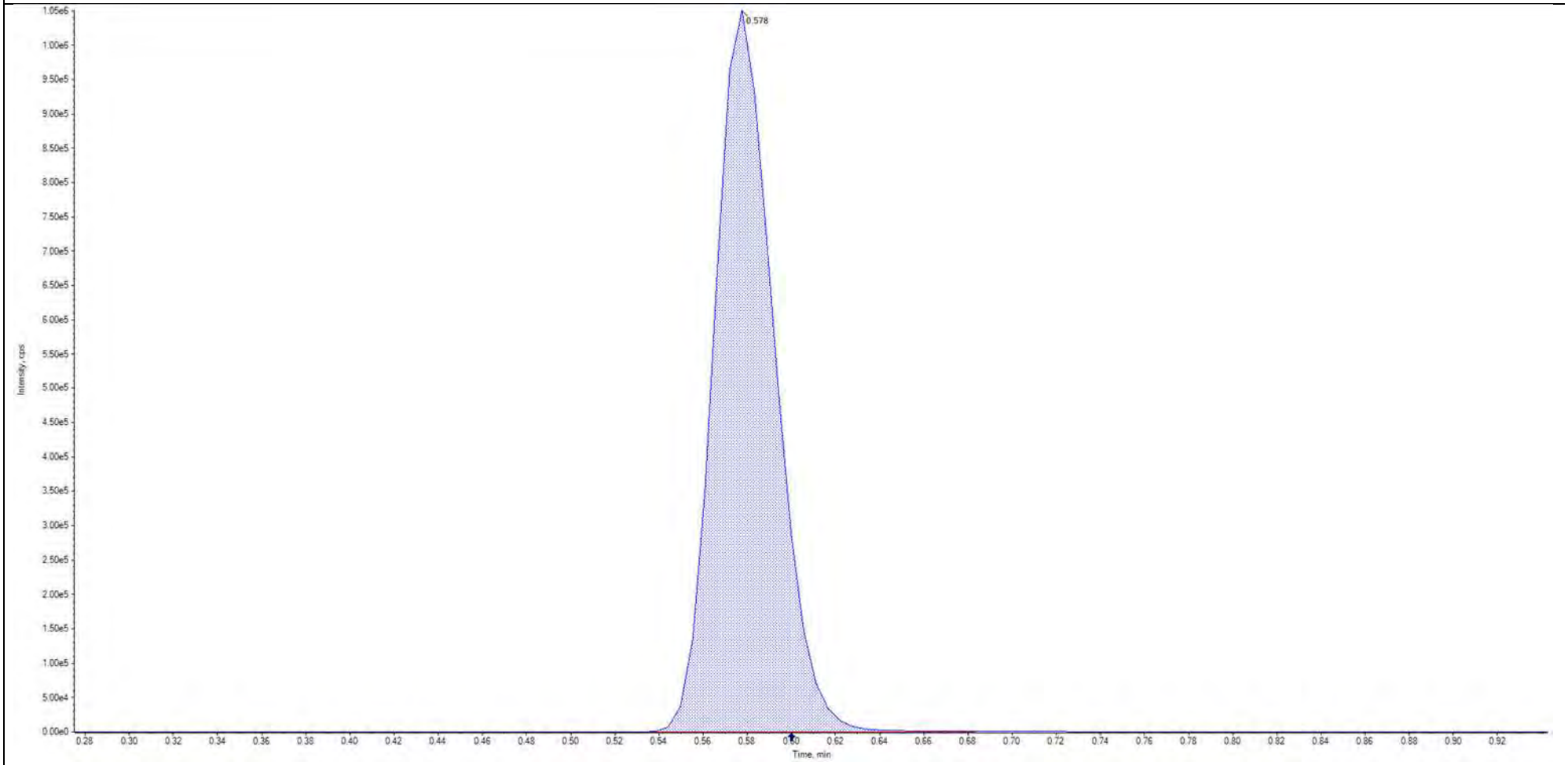


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

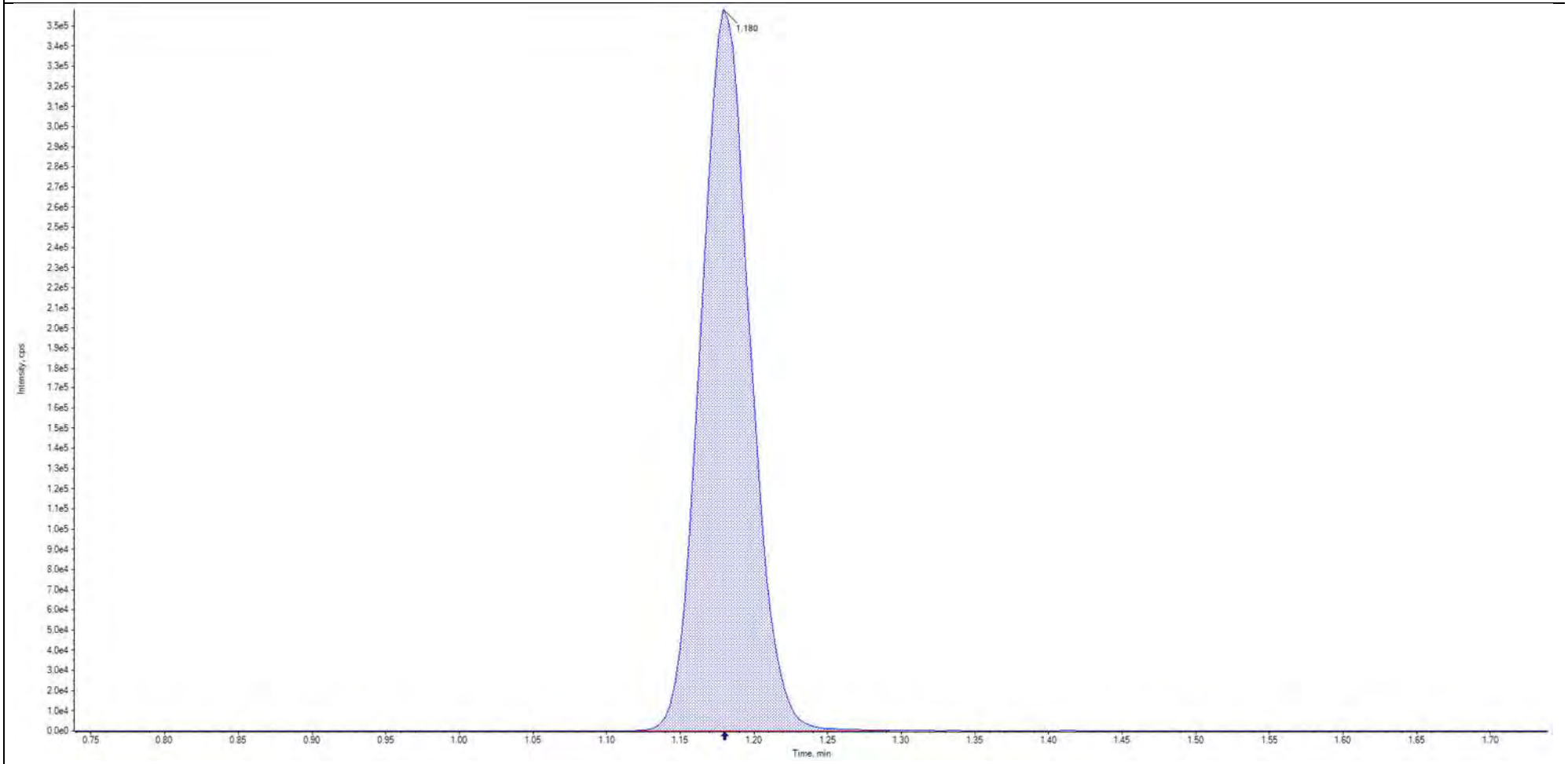
13C2-PFOA
Sample: WG2038851-1,1633LOW S/N:3908.7 Points Across peak:24



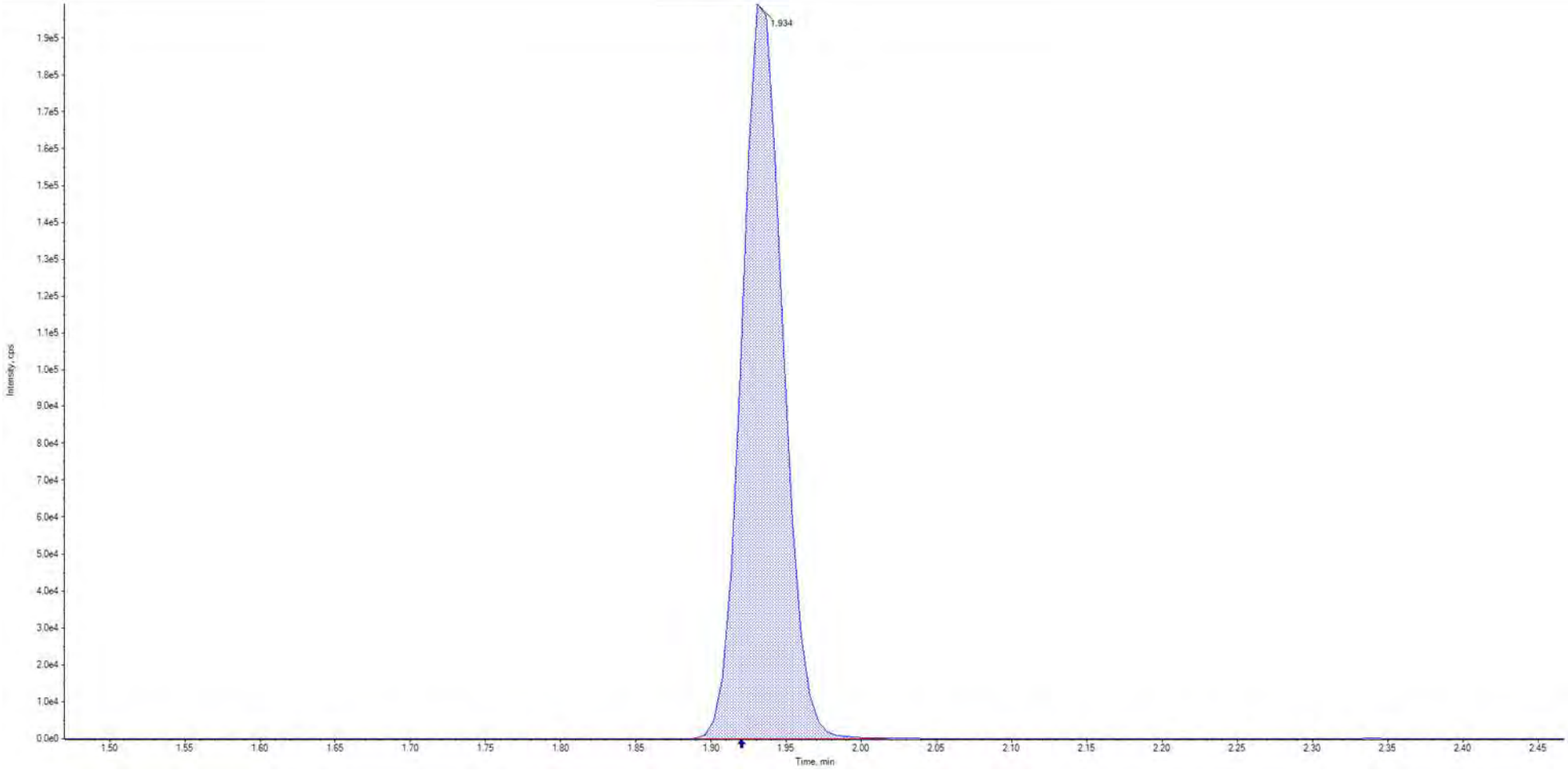
13C4-PFBA
Sample: WG2038851-1,1633LOW



13C5-PFPeA
Sample: WG2038851-1,1633LOW

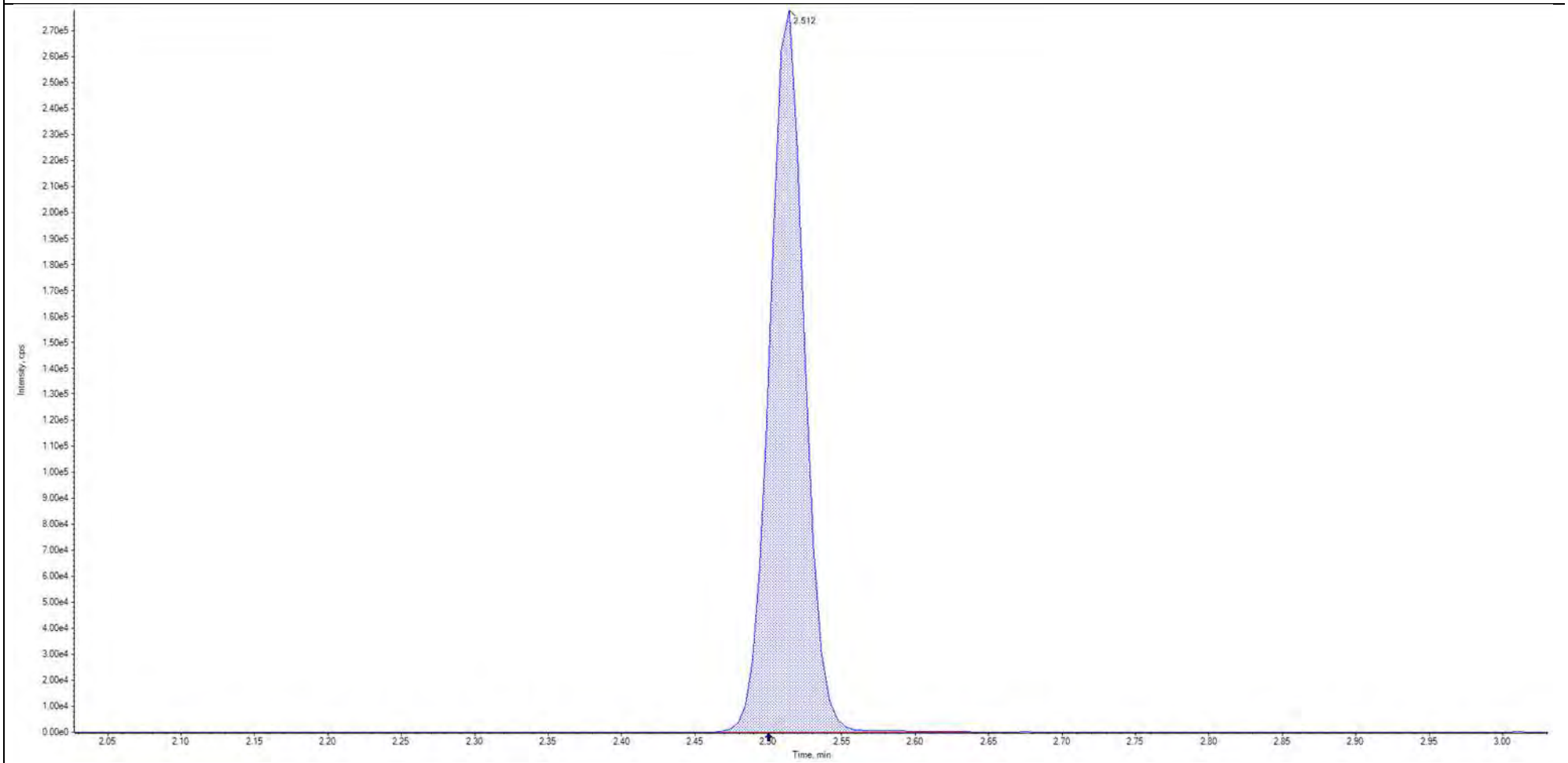


13C5-PFHxA
Sample: WG2038851-1,1633LOW

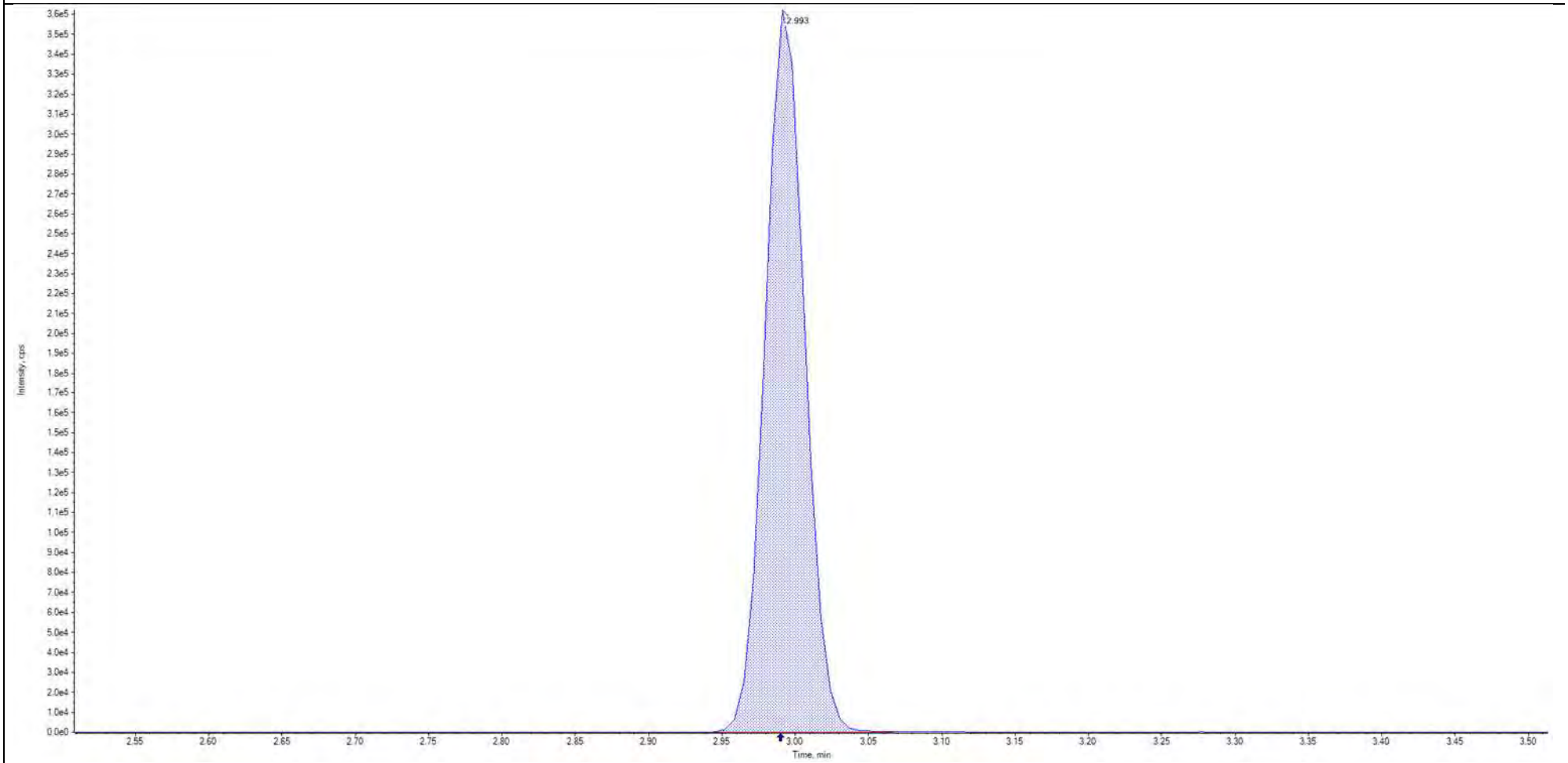


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

13C4-PFHpA
Sample: WG2038851-1,1633LOW

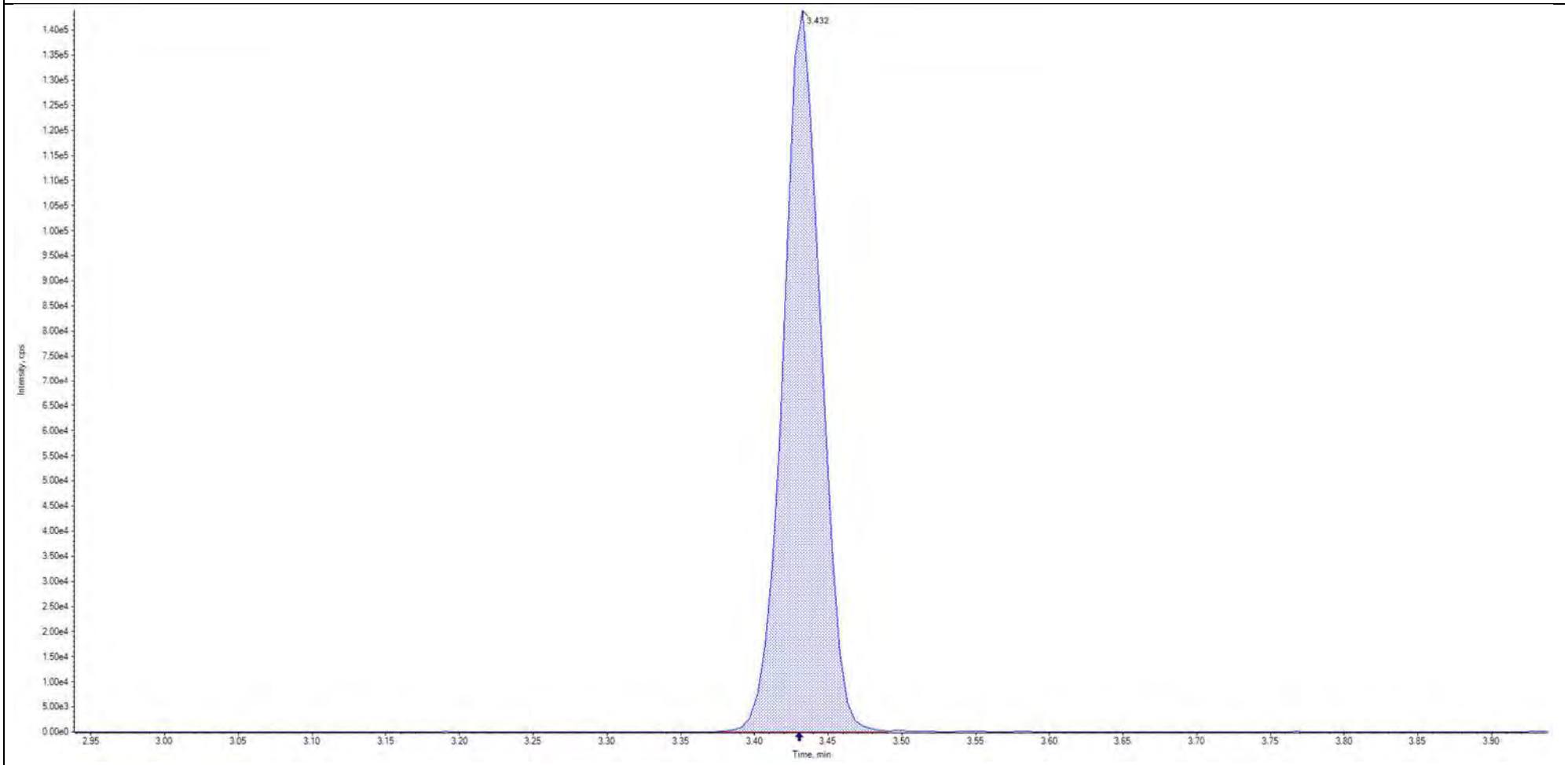


13C8-PFOA
Sample: WG2038851-1,1633LOW



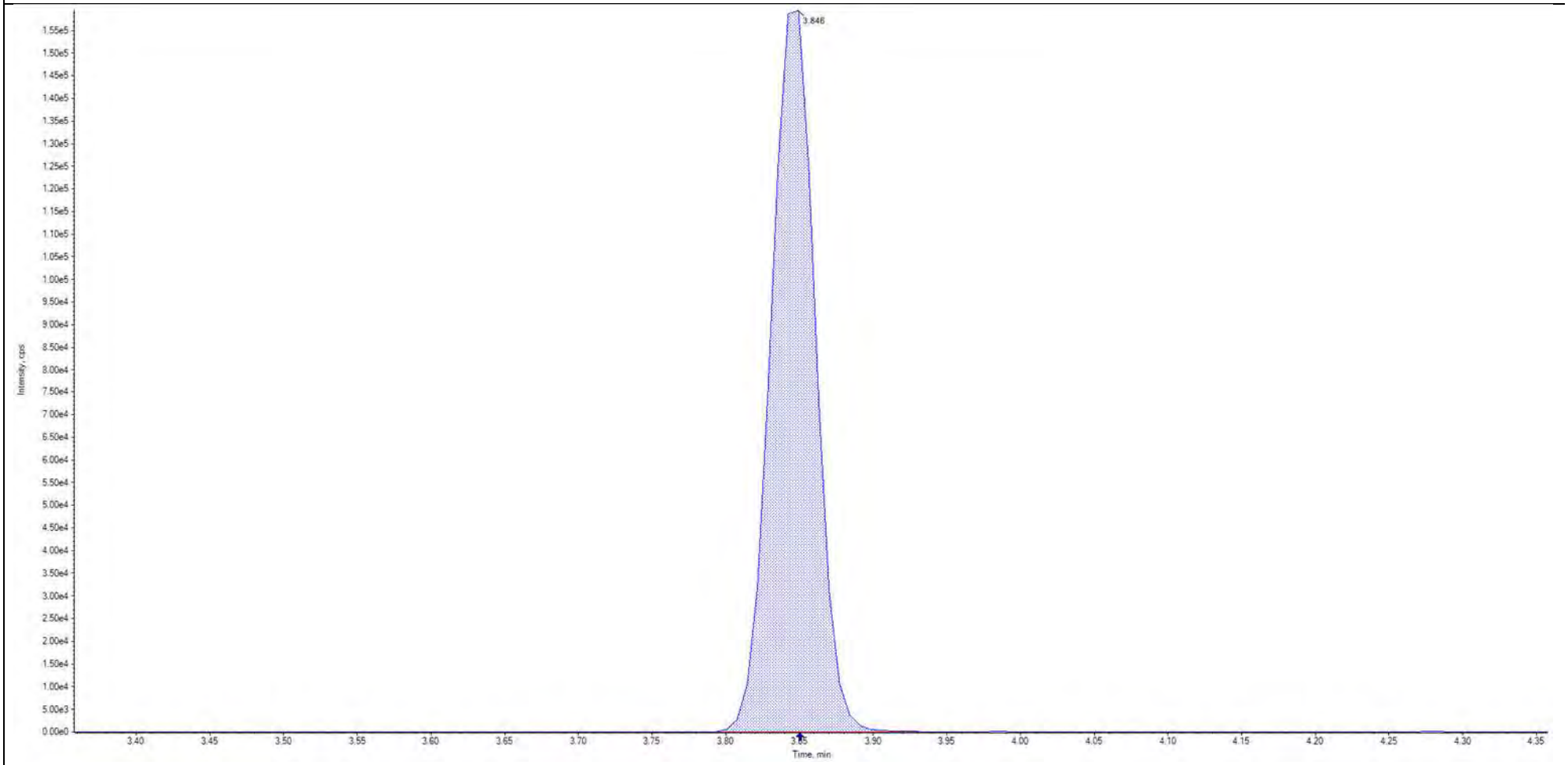
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

13C9-PFNA
Sample: WG2038851-1,1633LOW



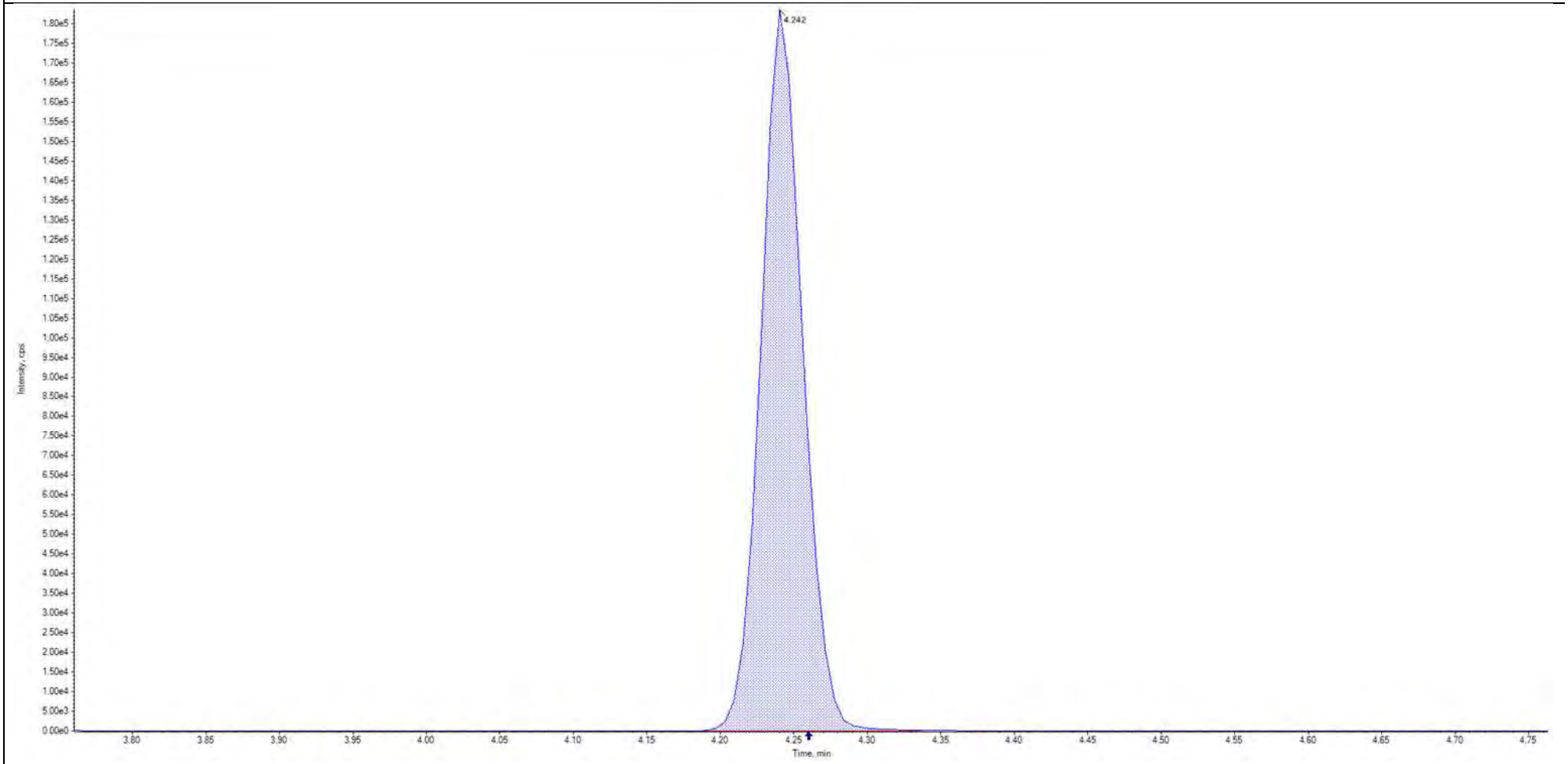
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

13C6-PFDA
Sample: WG2038851-1,1633LOW



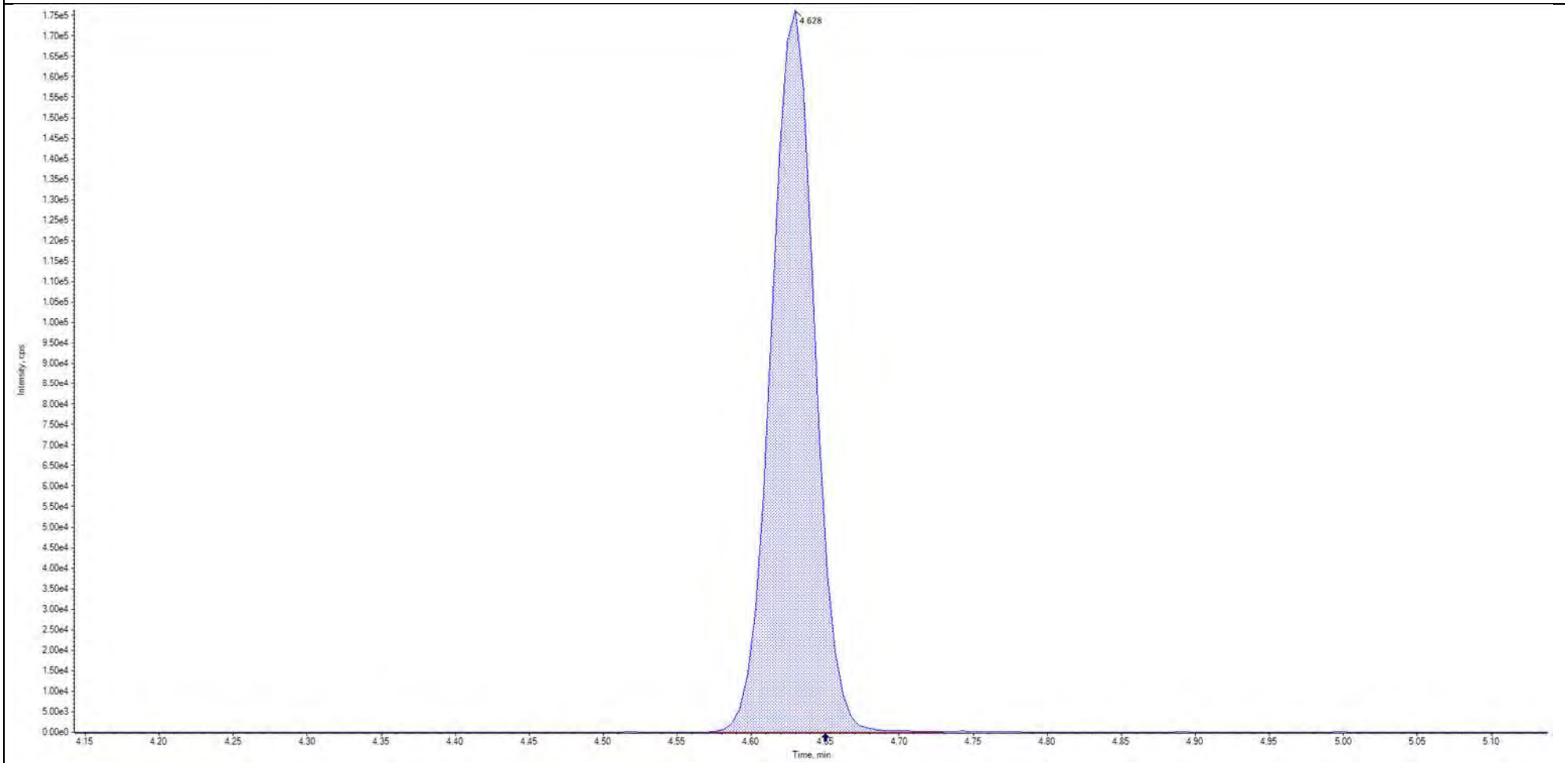
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

13C7-PFUnA
Sample: WG2038851-1,1633LOW



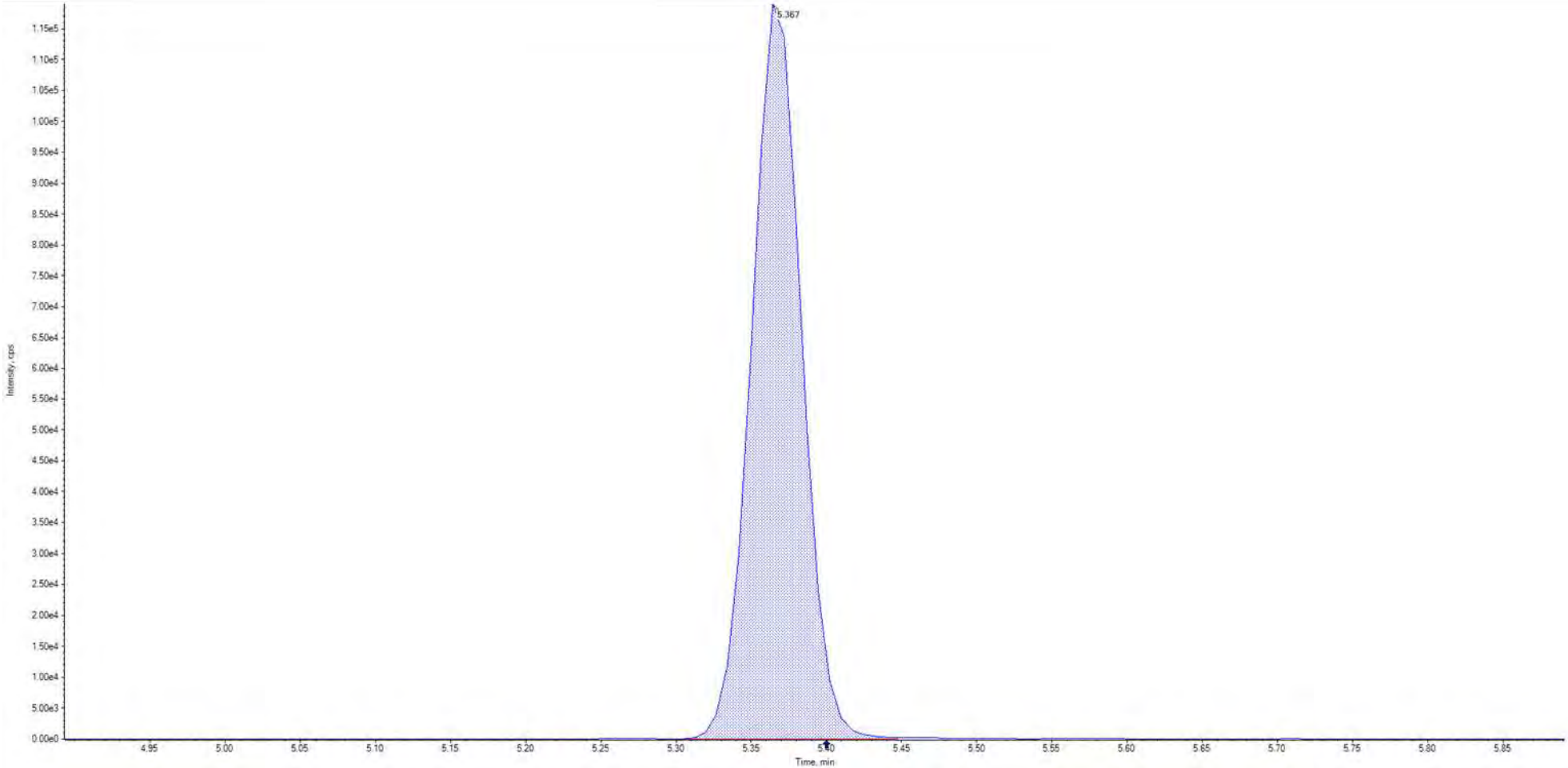
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

13C2-PFDoA
Sample: WG2038851-1,1633LOW

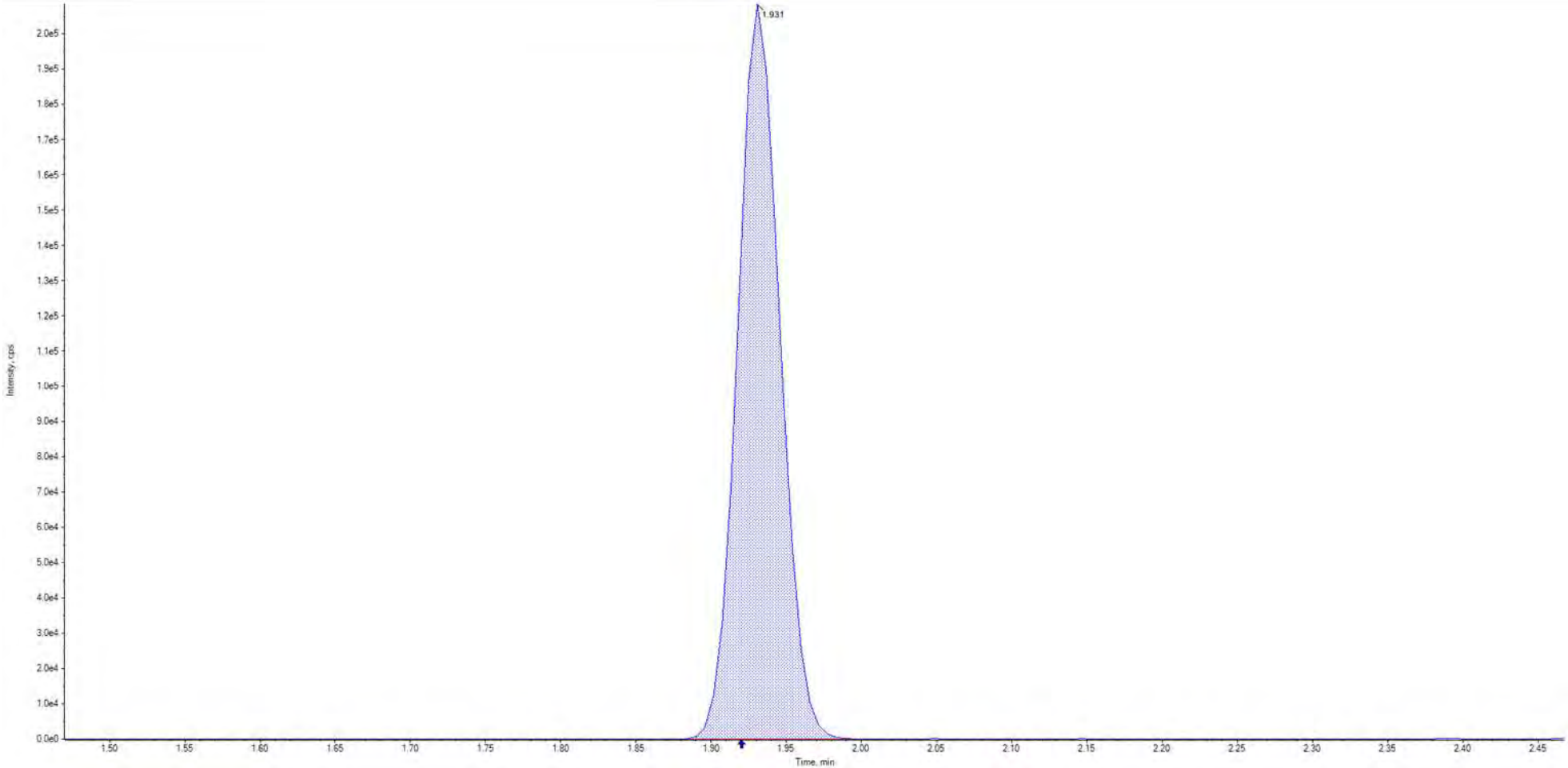


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

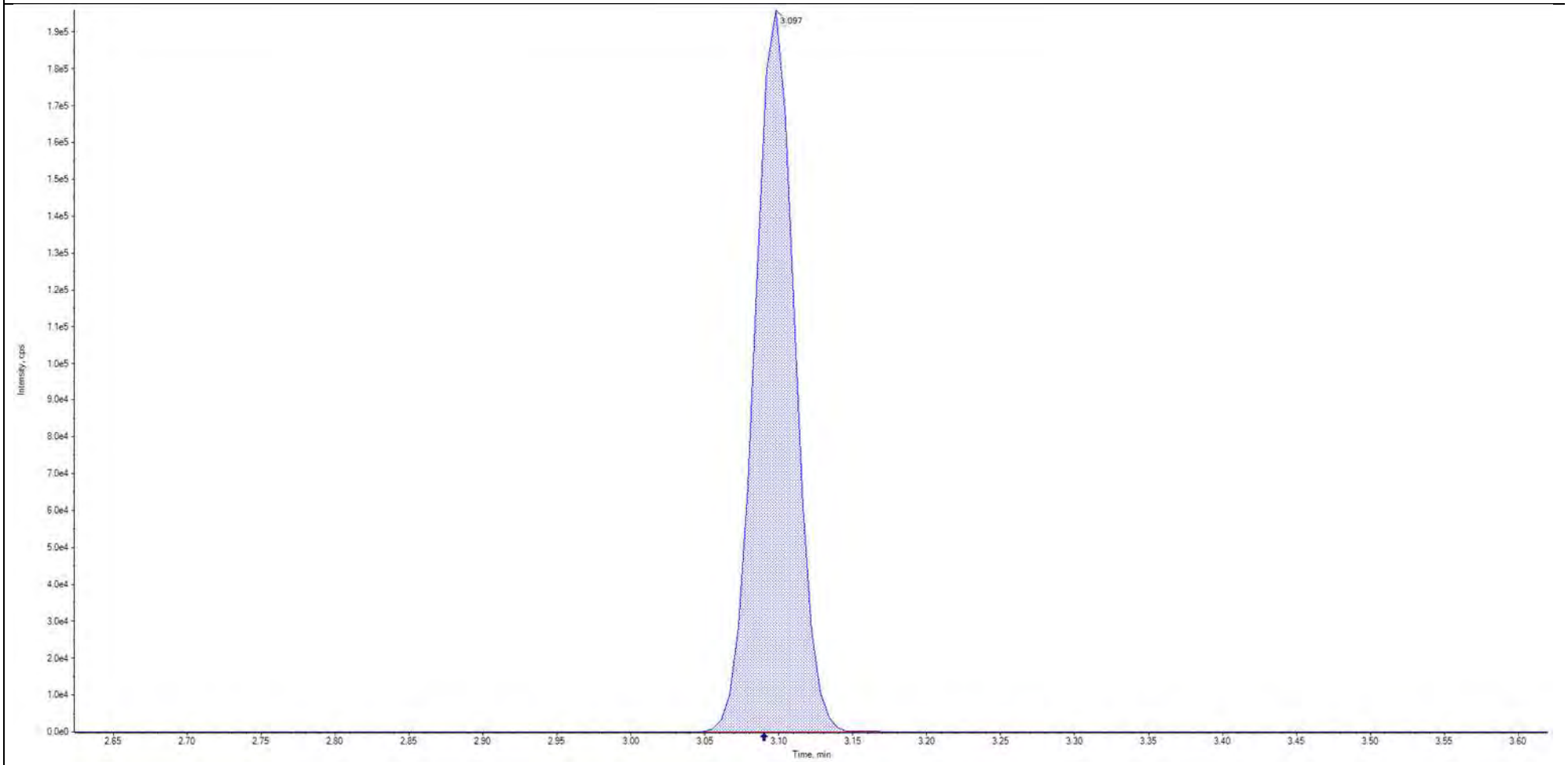
13C2-PFTeDA
Sample: WG2038851-1,1633LOW



13C3-PFBS
Sample: WG2038851-1,1633LOW

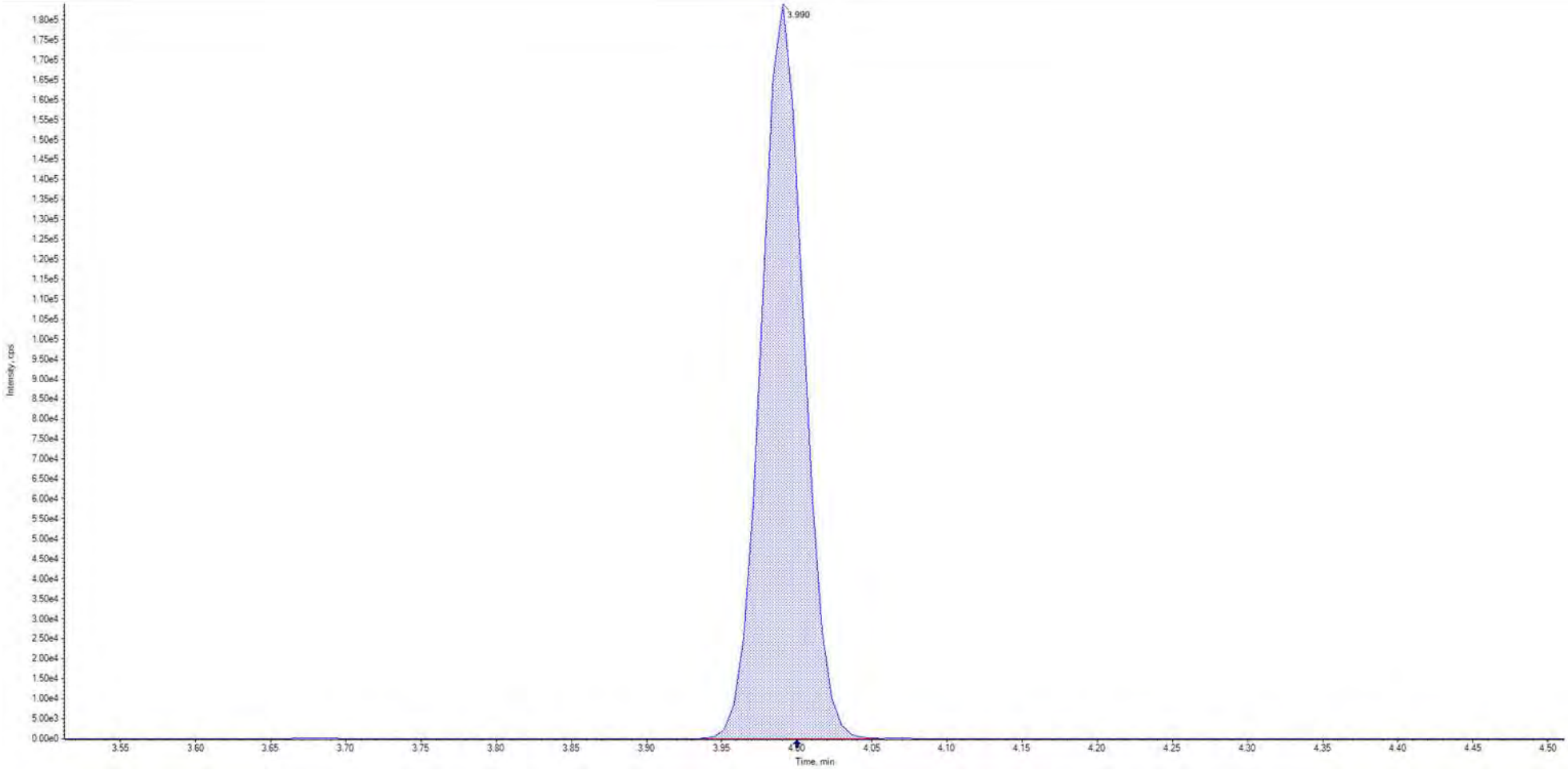


13C3-PFHxS
Sample: WG2038851-1,1633LOW

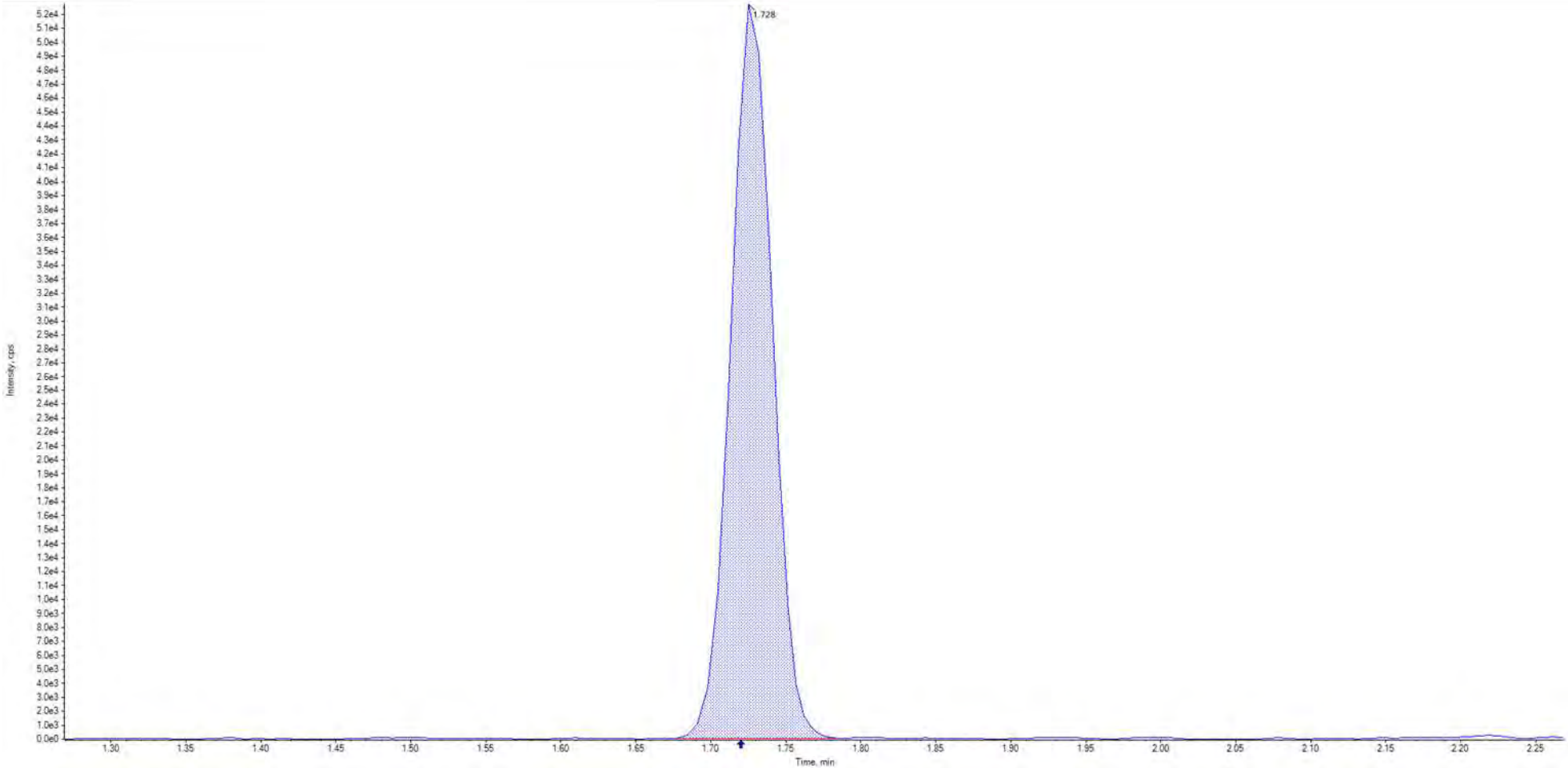


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

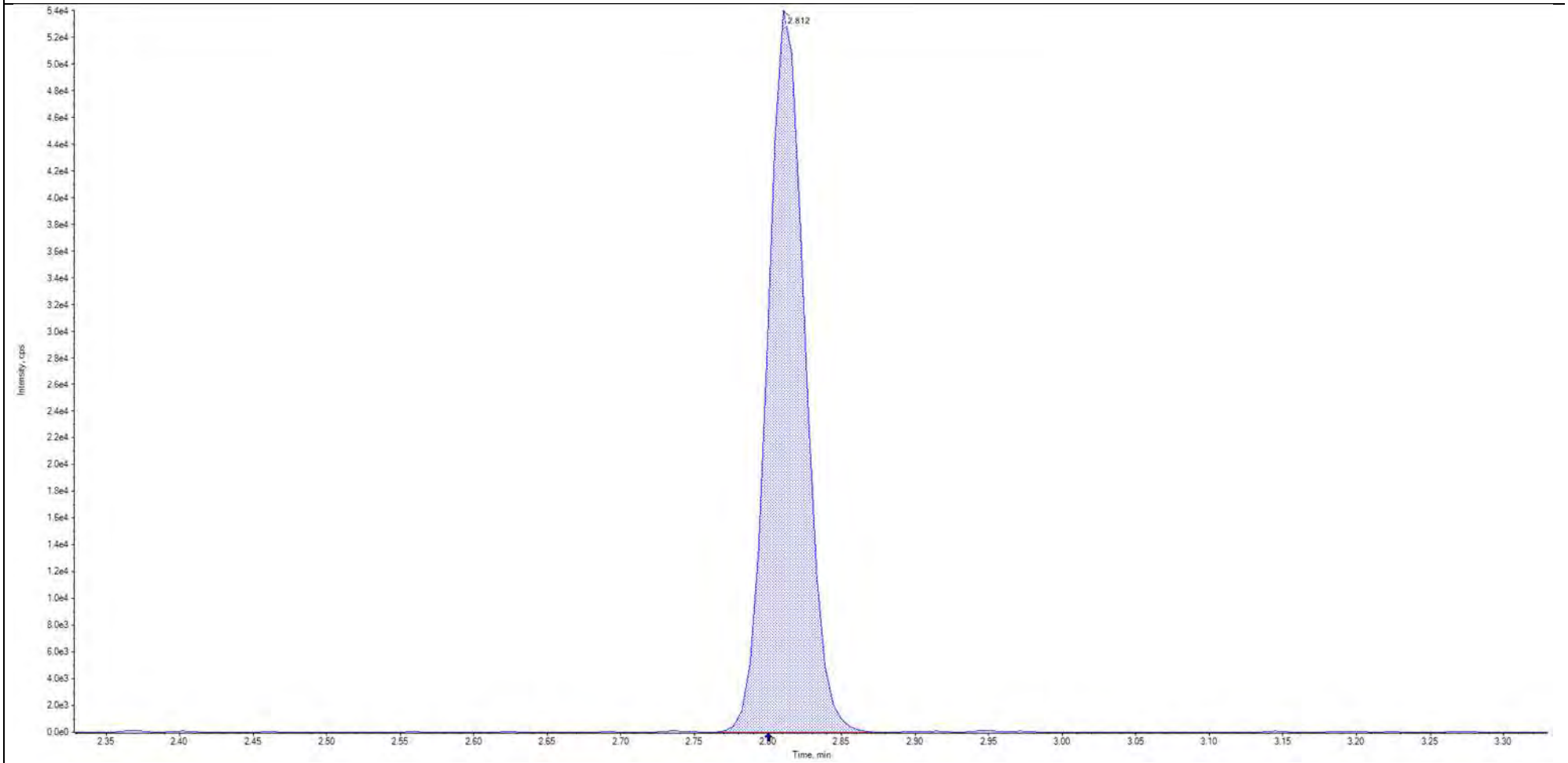
13C8-PFOS
Sample: WG2038851-1,1633LOW



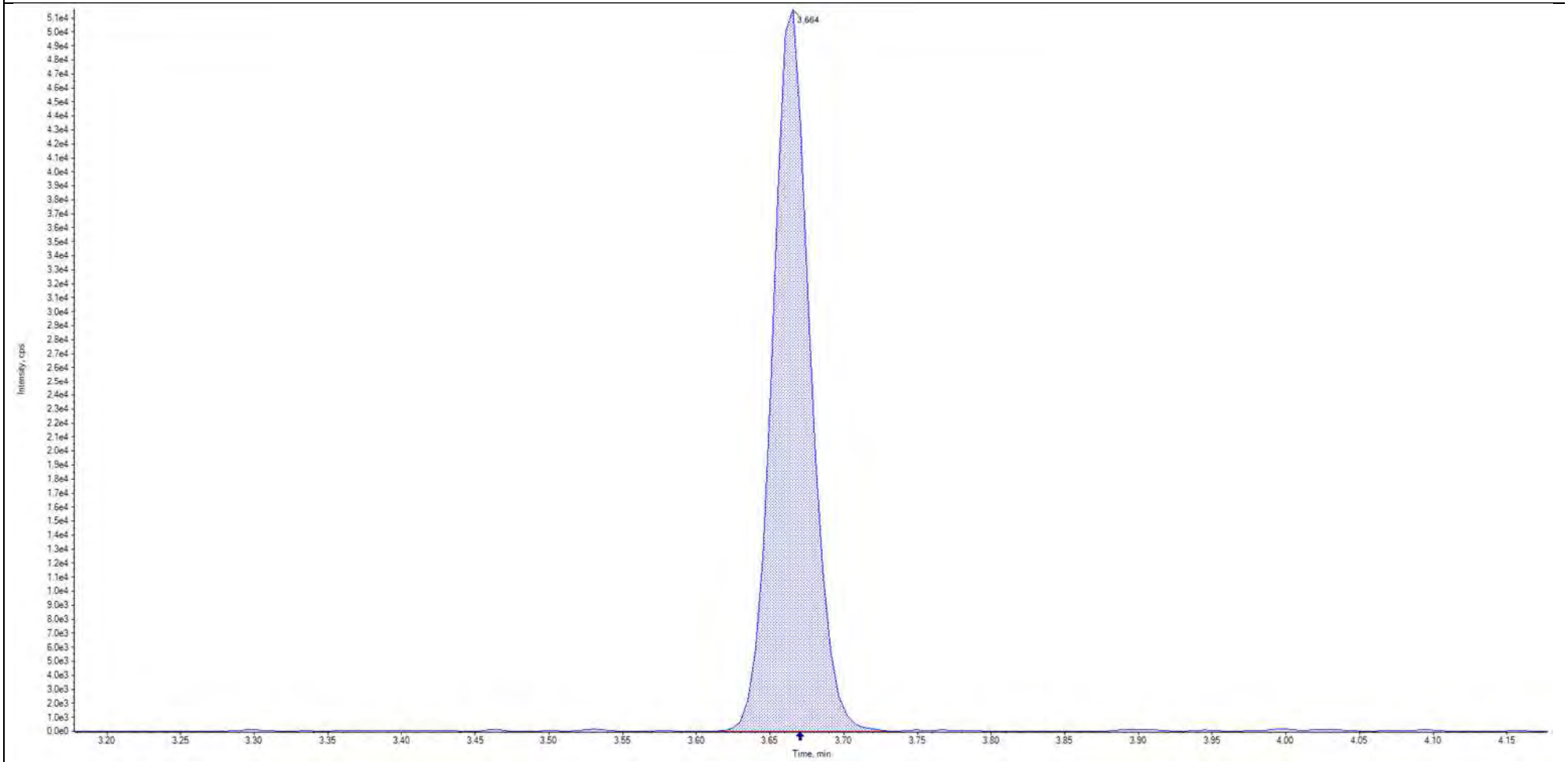
13C2-4:2FTS
Sample: WG2038851-1,1633LOW



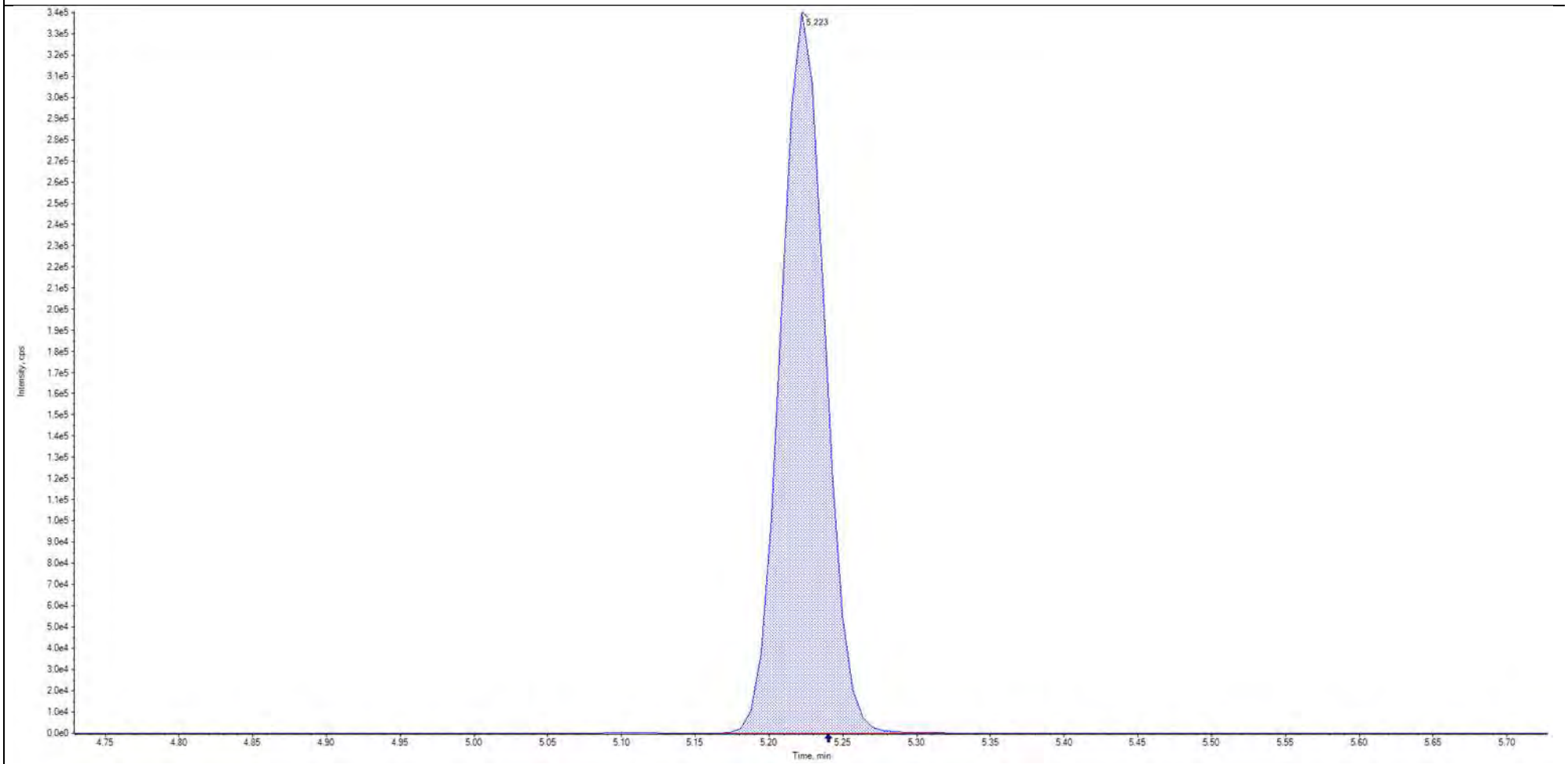
13C2-6:2FTS
Sample: WG2038851-1,1633LOW



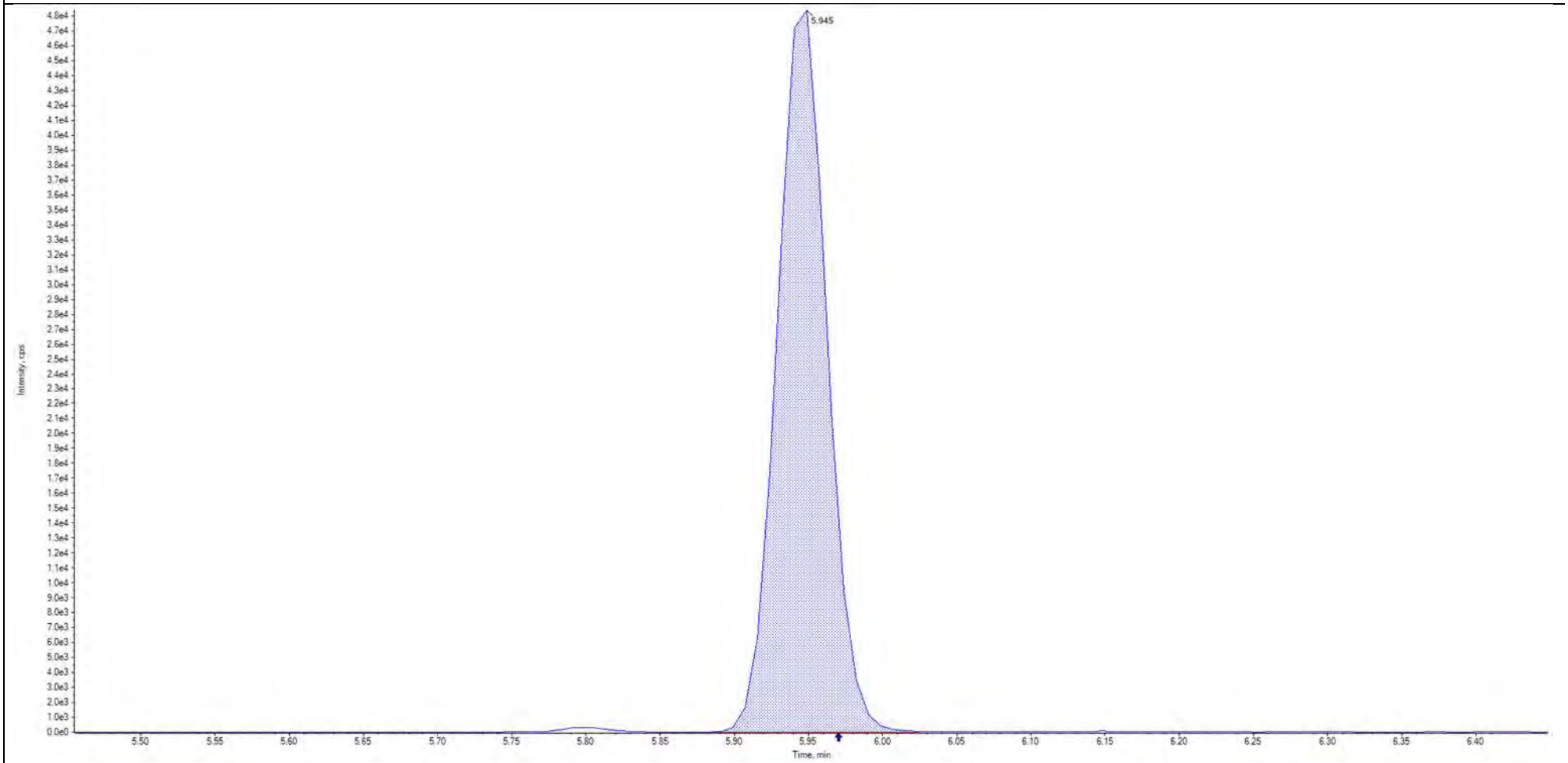
13C2-8:2FTS
Sample: WG2038851-1,1633LOW



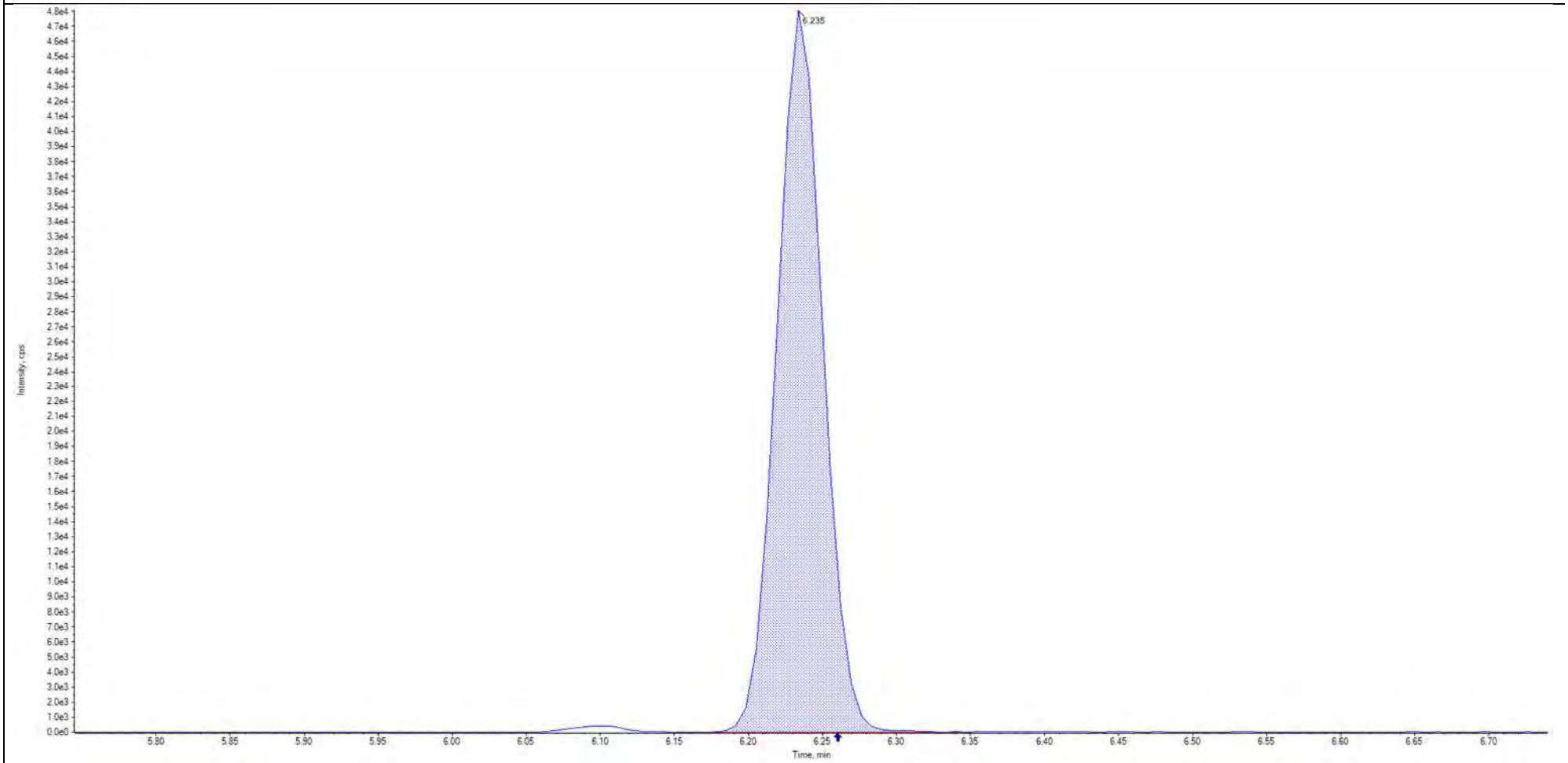
13C8-PFOSA
Sample: WG2038851-1,1633LOW



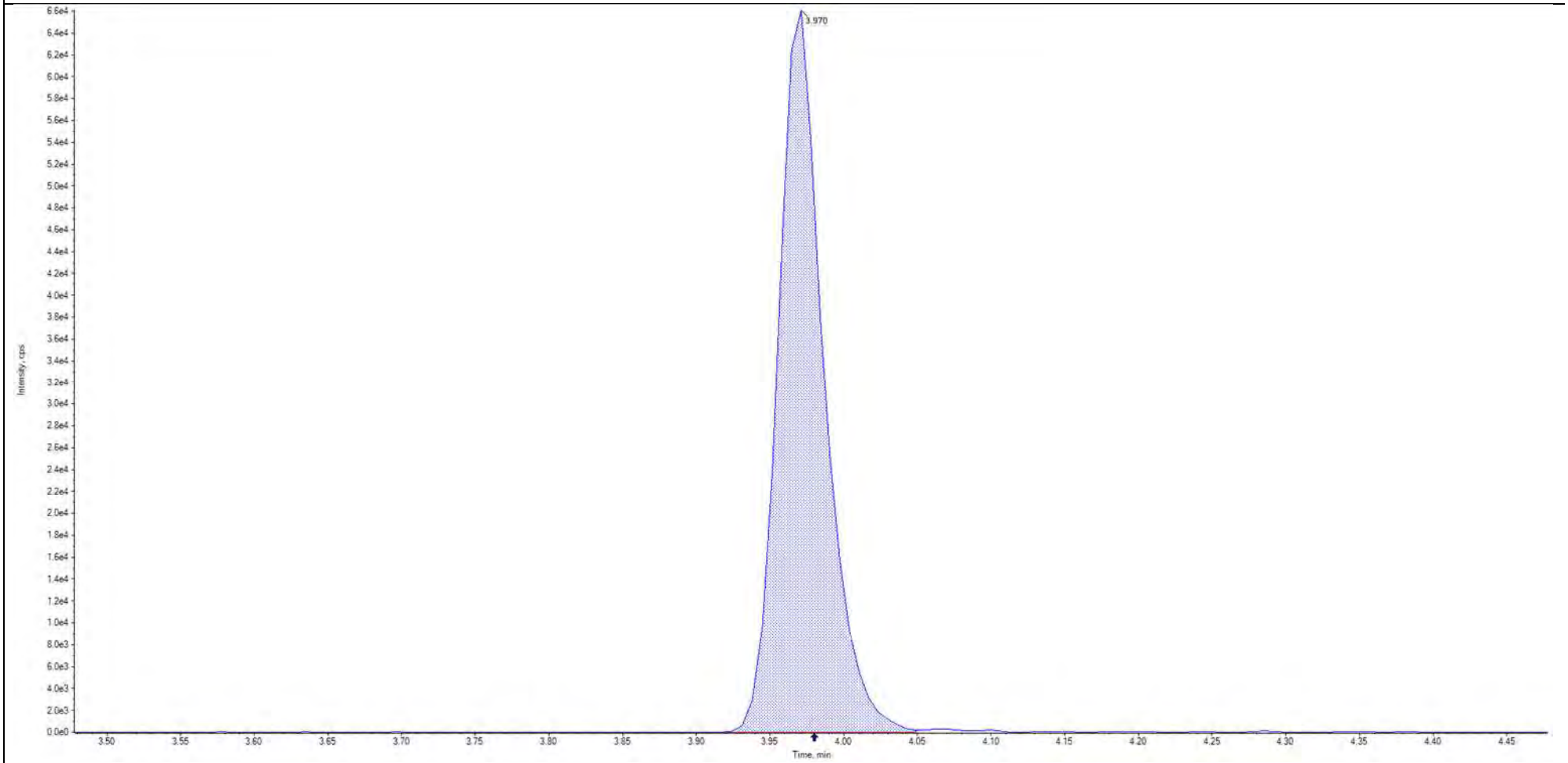
d3-NMeFOSA
Sample: WG2038851-1,1633LOW



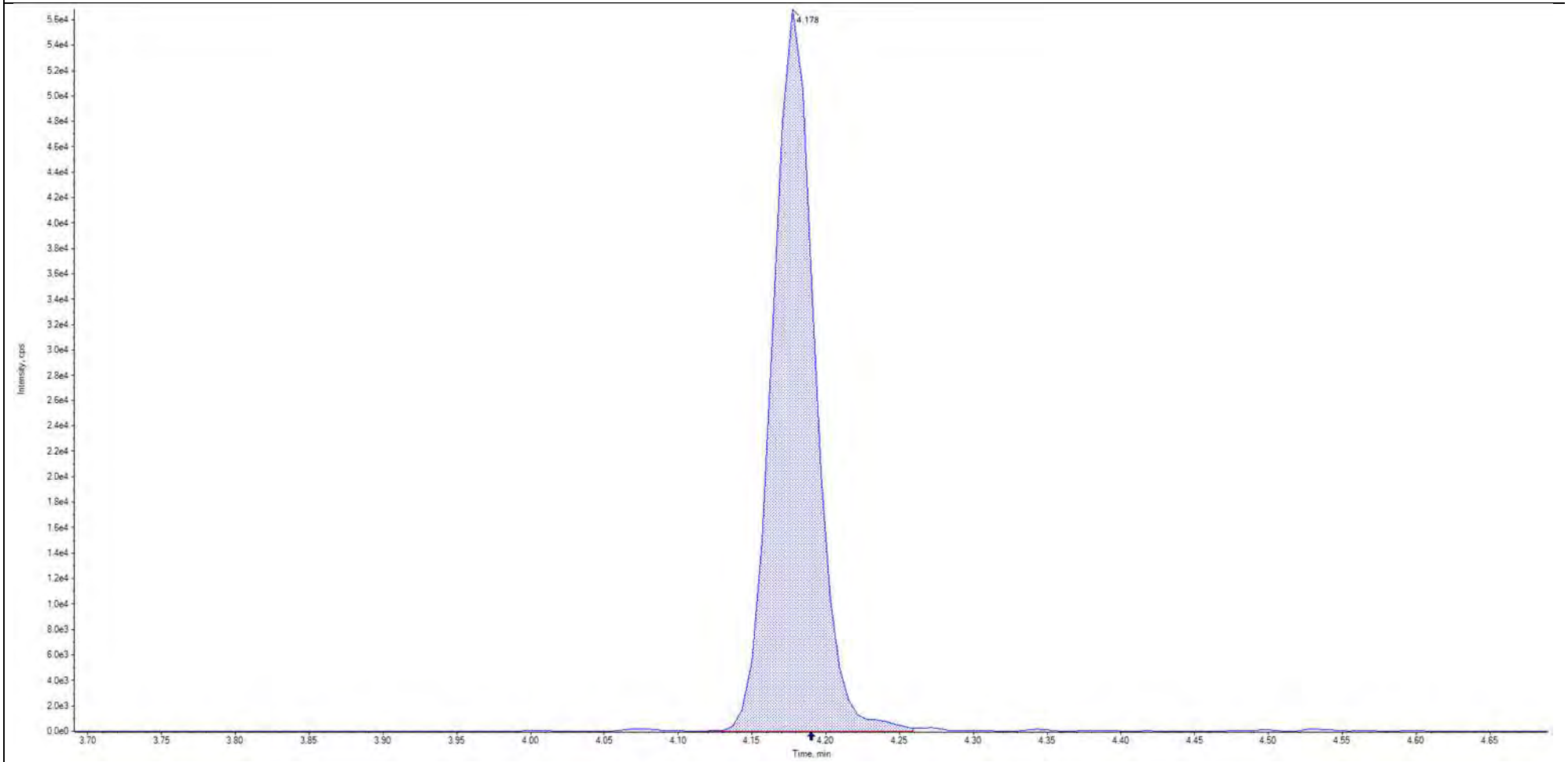
d5-NEtFOSA
Sample: WG2038851-1,1633LOW



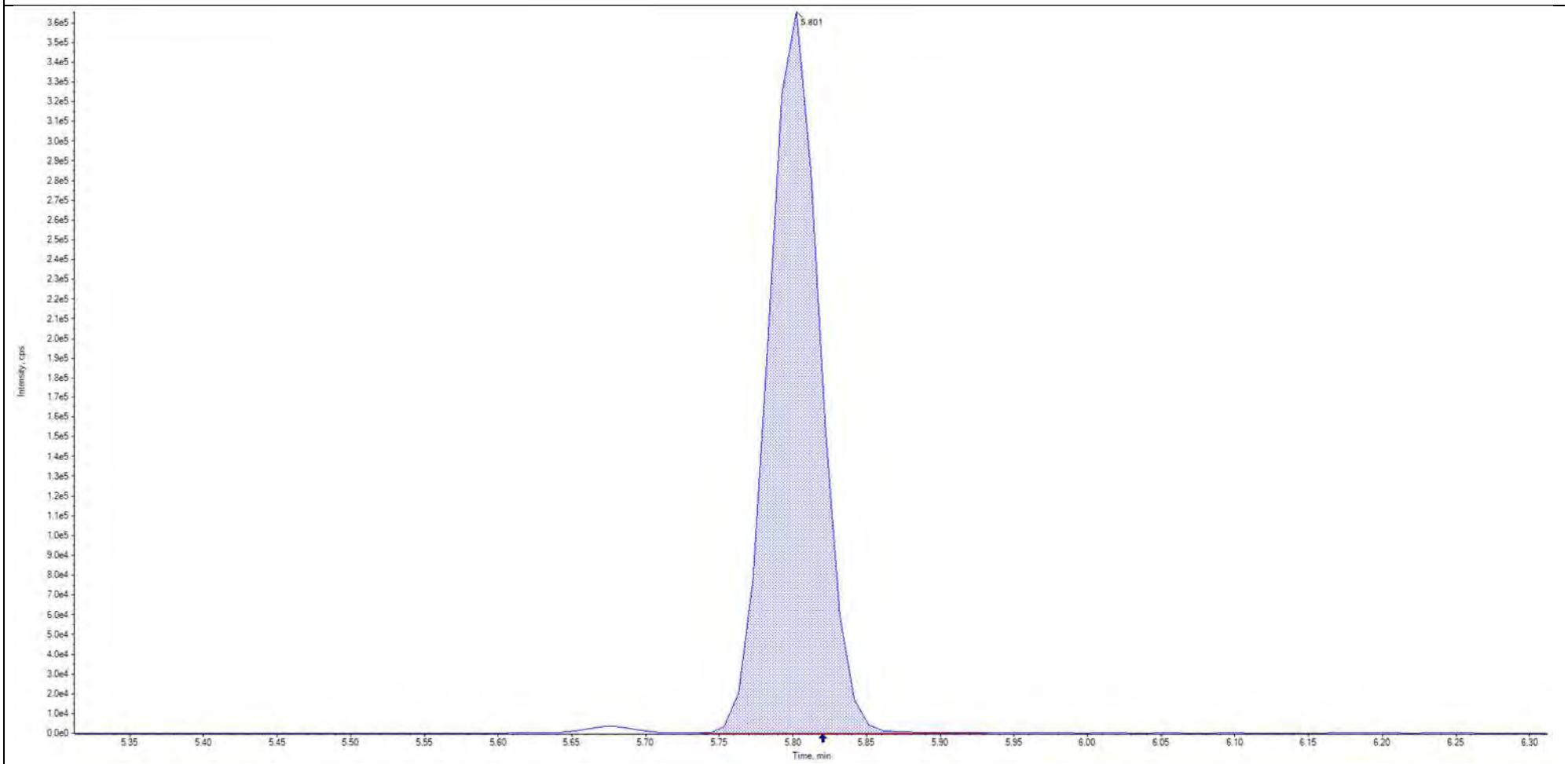
d3-NMeFOSAA
Sample: WG2038851-1,1633LOW



d5-NEtFOSAA
Sample: WG2038851-1,1633LOW

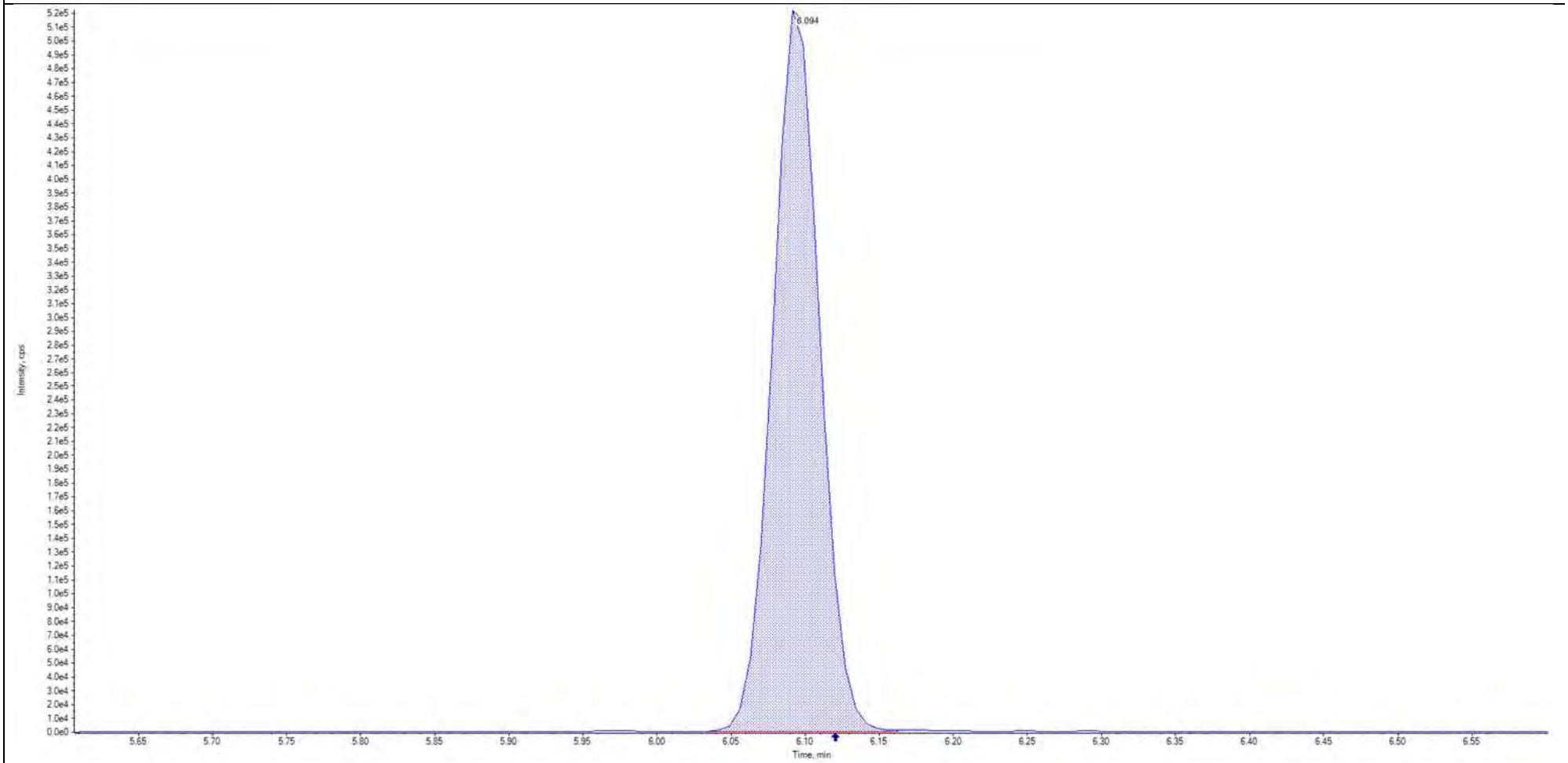


d7-NMeFOSE
Sample: WG2038851-1,1633LOW



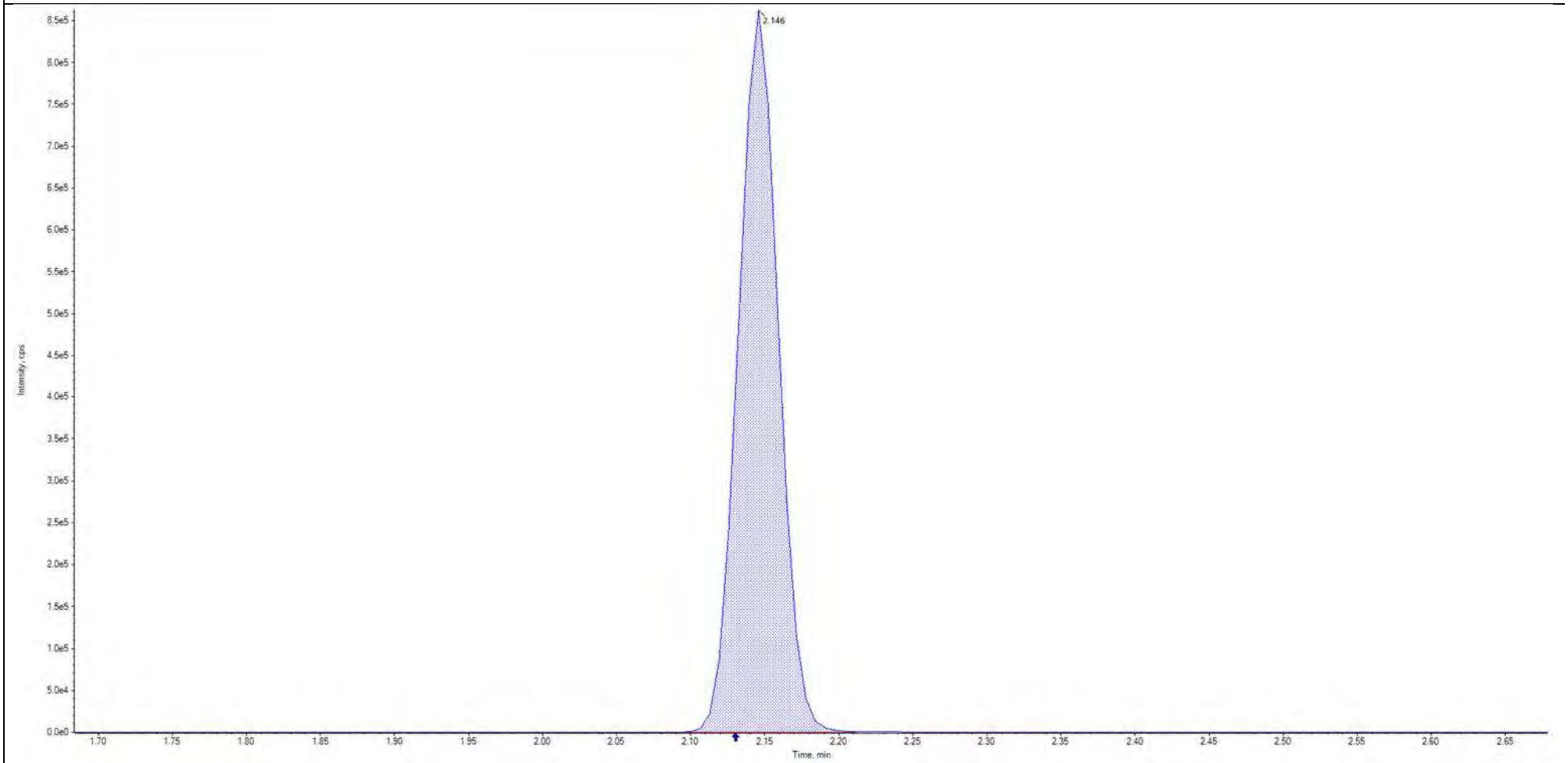
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

d9-NEtFOSE
Sample: WG2038851-1,1633LOW

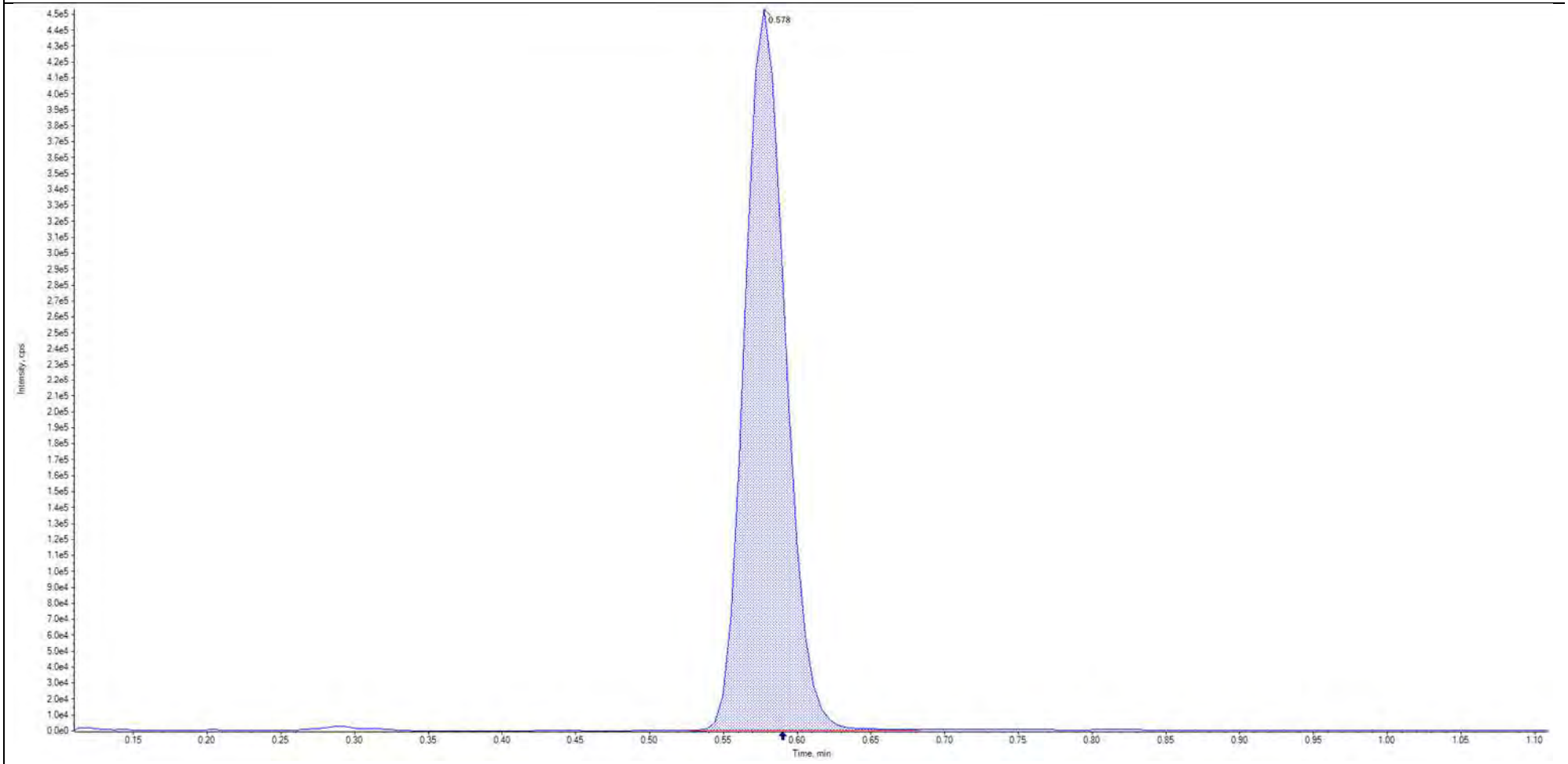


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

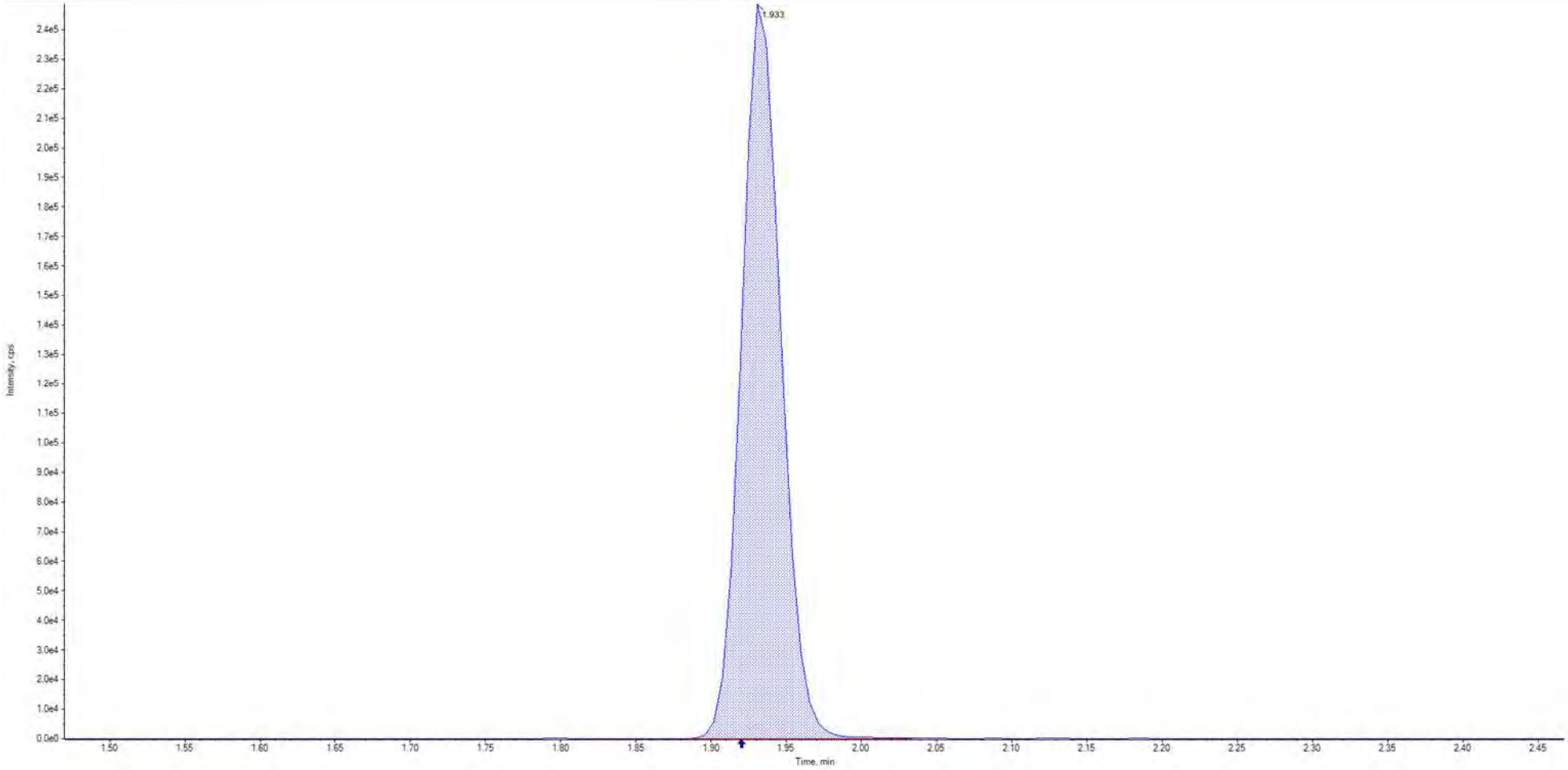
13C3-HFPO-DA
Sample: WG2038851-1,1633LOW



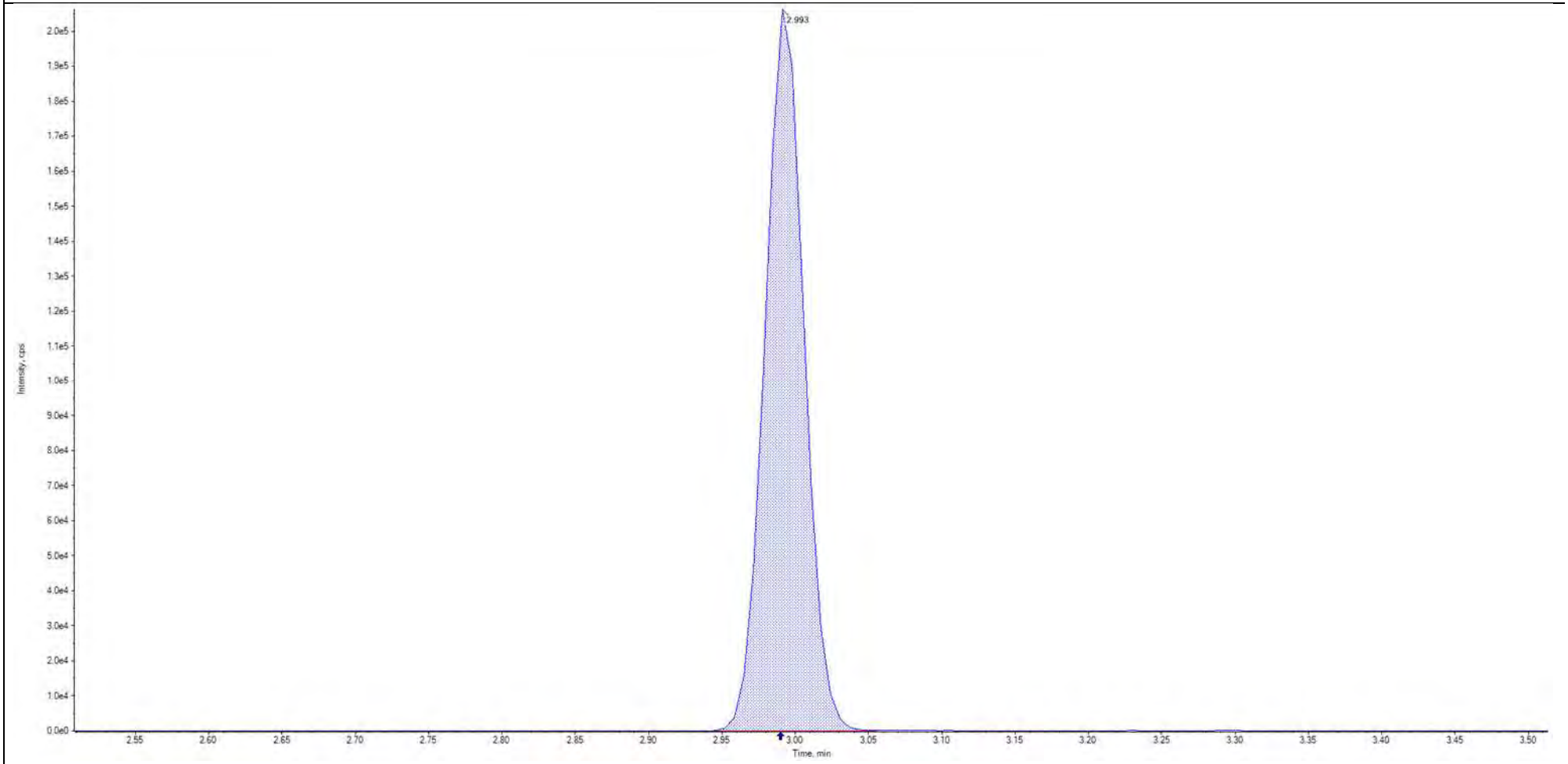
13C3-PFBA
Sample: WG2038851-1,1633LOW



13C2-PFHxA
Sample: WG2038851-1,1633LOW

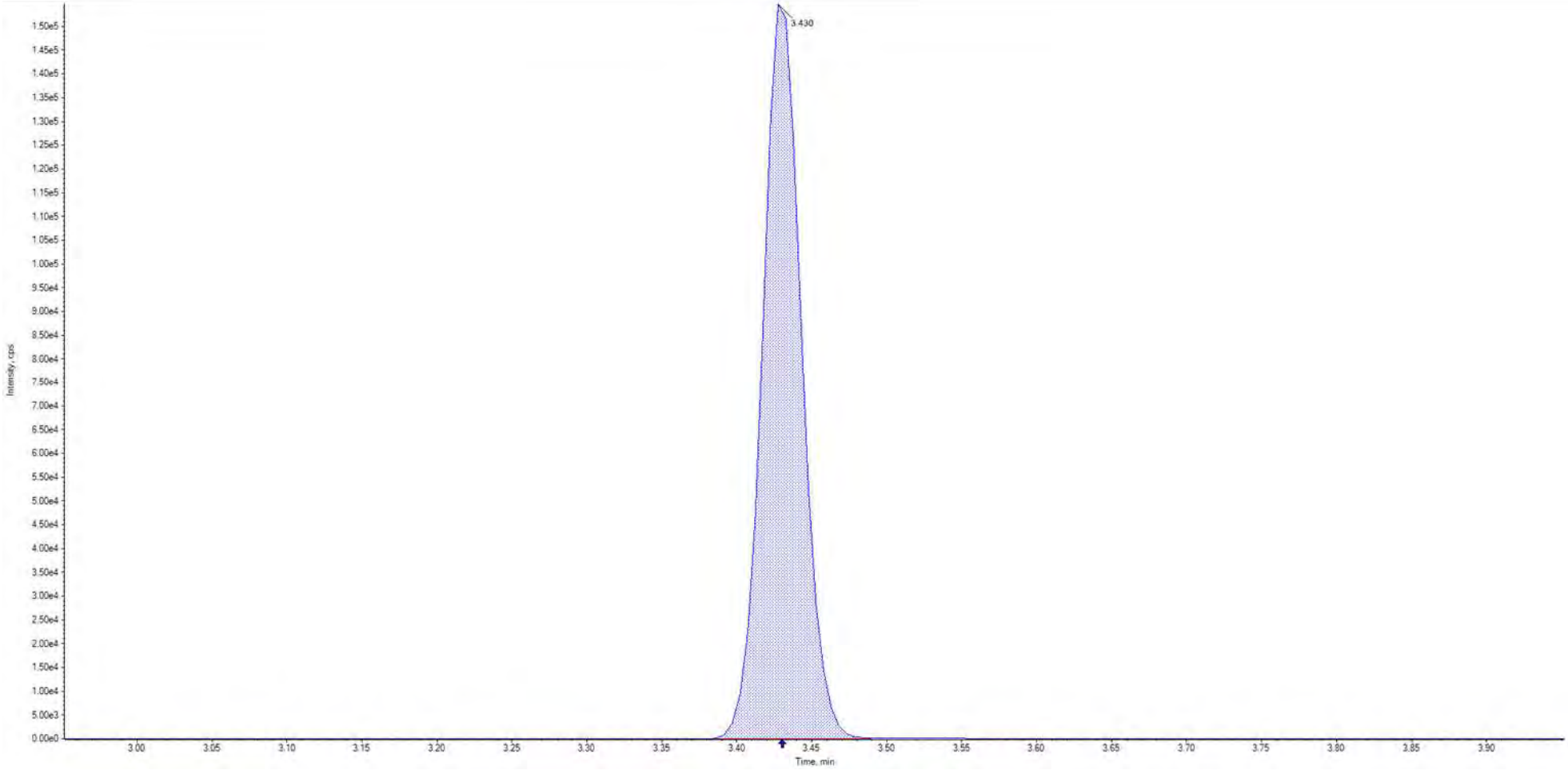


13C4-PFOA
Sample: WG2038851-1,1633LOW

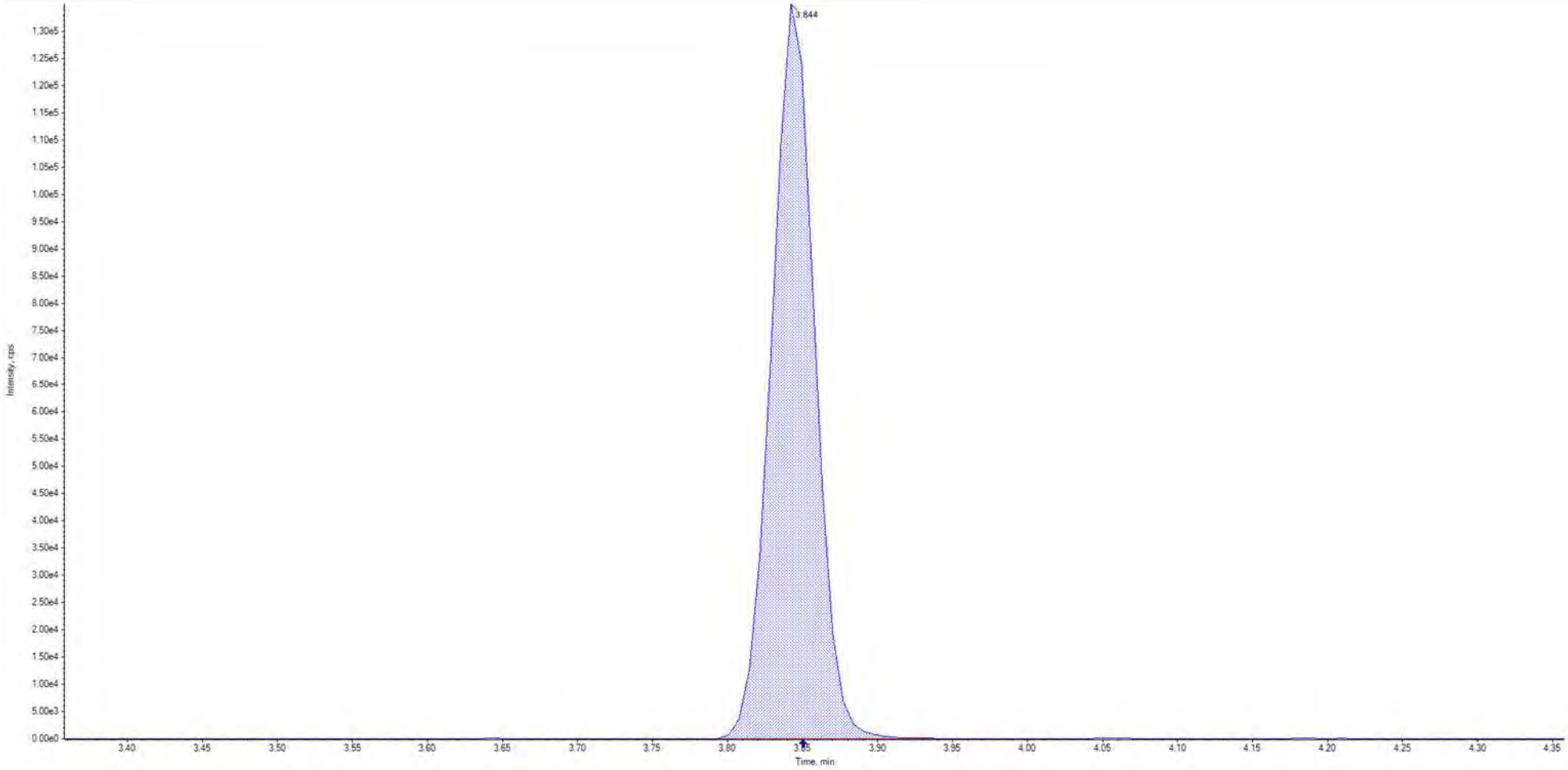


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

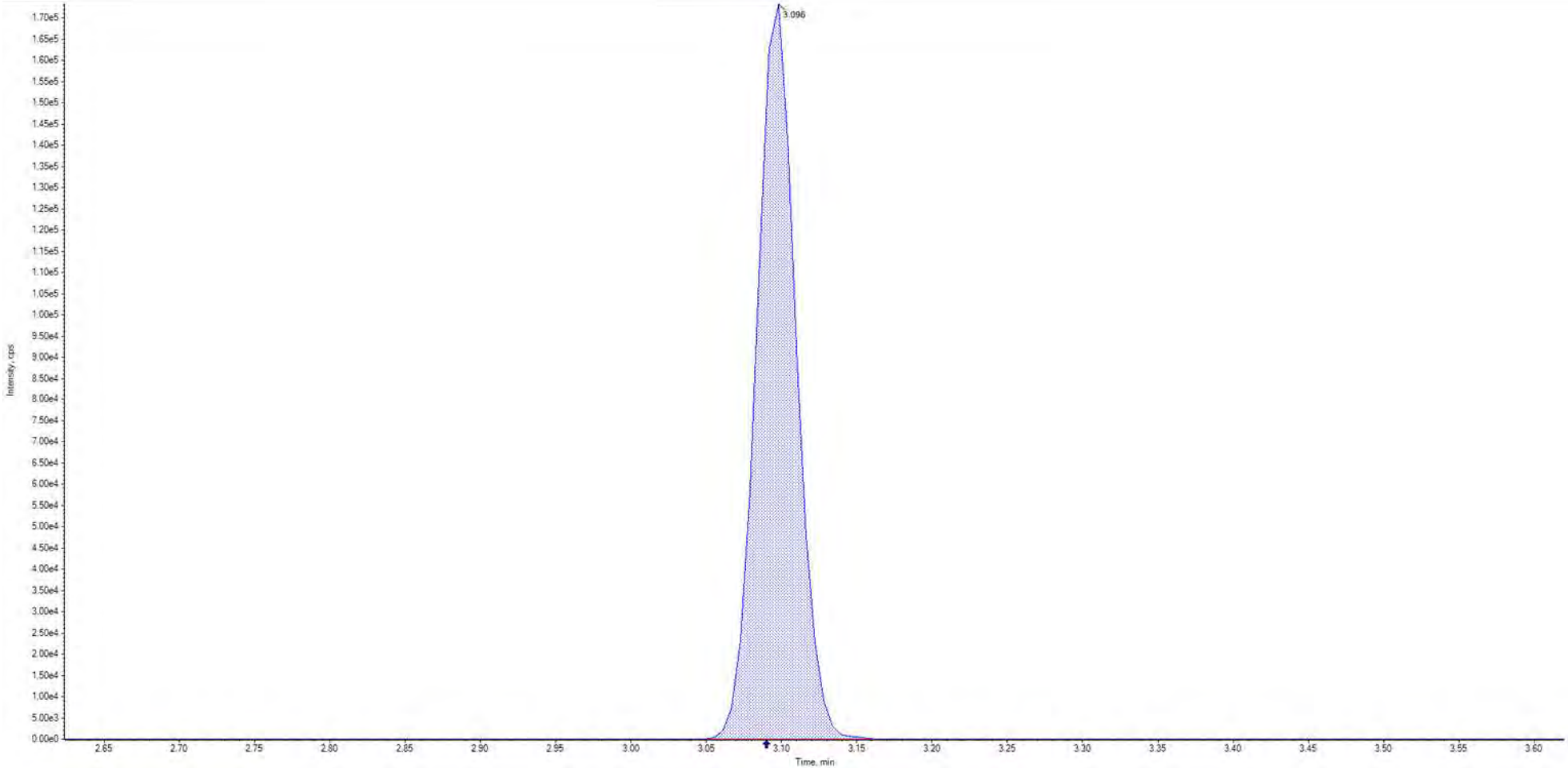
13C5-PFNA
Sample: WG2038851-1,1633LOW



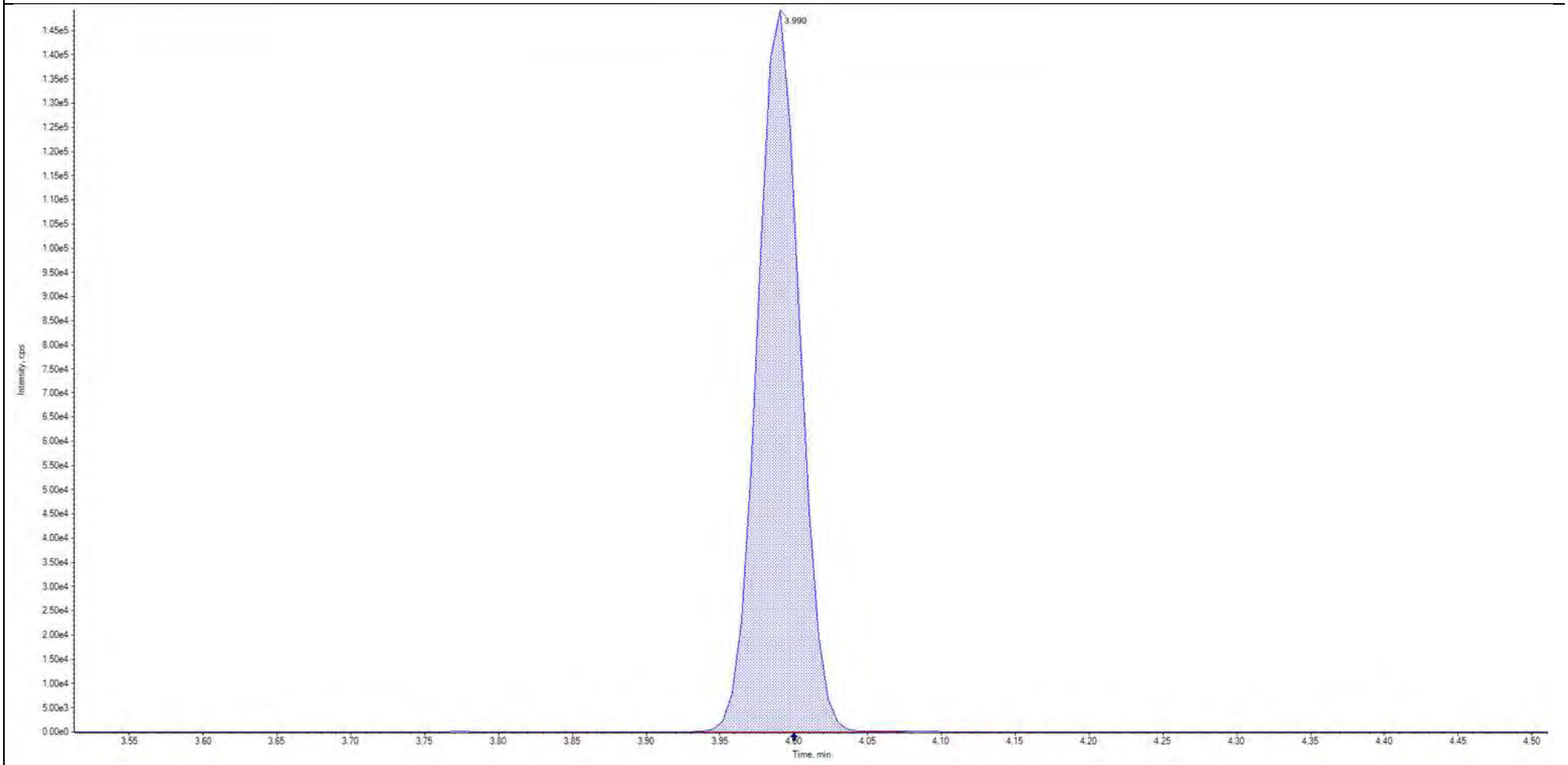
13C2-PFDA
Sample: WG2038851-1,1633LOW



18O2-PFHxS
Sample: WG2038851-1,1633LOW



13C4-PFOS
Sample: WG2038851-1,1633LOW



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_09.wiff2_1
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

Method: EPA1633F_250303.qmethod
Calibration: 250303_1633_ICAL

ID: WG2038851-2,1633FMED
Name: SCI09_250311_10.wiff2
Date & Time: 2025-03-11T07:04:52
Description: WG2038851,WG2030000,ICAL22044,1633FMED
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:AC

LC/MS-MS Method:EPA-1633F

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | PFBA | 375-22-4 | 0.57 | 213.0 / 169.0 | 3293395 | | 18.553 | N/A | N/A | N/A | 92.8 |
| 2 | PFPeA | 2706-90-3 | 1.16 | 263.0 / 219.0 | 1584278 | | 9.622 | 0.007 | N/A | N/A | 96.2 |
| 3 | PFPeA_2 | 2706-90-3 | 1.16 | 263.0 / 68.9 | 11068 | | 9.585 | 0.007 | N/A | N/A | 95.9 |
| 4 | PFHxA | 307-24-4 | 1.92 | 313.0 / 269.0 | 1016685 | | 4.919 | 0.082 | 0.081 | Pass | 98.4 |
| 5 | PFHxA_2 | 307-24-4 | 1.92 | 313.0 / 119.0 | 83802 | | 4.769 | 0.082 | 0.081 | Pass | 95.4 |
| 6 | PFHpA | 375-85-9 | 2.50 | 363.1 / 319.0 | 1079712 | | 4.585 | 0.402 | 0.373 | Pass | 91.7 |
| 7 | PFHpA_2 | 375-85-9 | 2.50 | 363.1 / 169.0 | 433515 | | 4.662 | 0.402 | 0.373 | Pass | 93.3 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | PFOA | 335-67-1 | 2.99 | 413.1 / 369.1 | 1132191 | M5 | 4.289 | 0.408 | 0.424 | Pass | 85.8 |
| 9 | PFOA_2 | 335-67-1 | 2.99 | 413.1 / 169.0 | 461924 | M5 | 4.134 | 0.408 | 0.424 | Pass | 82.7 |
| 10 | PFNA | 375-95-1 | 3.43 | 462.8 / 418.9 | 793912 | M5 | 5.008 | 0.485 | 0.493 | Pass | 100.2 |
| 11 | PFNA_2 | 375-95-1 | 3.43 | 462.8 / 219.0 | 385284 | M5 | 4.991 | 0.485 | 0.493 | Pass | 99.8 |
| 12 | PFDA | 335-76-2 | 3.85 | 513.1 / 469.1 | 1142999 | | 4.751 | 0.184 | 0.188 | Pass | 95.0 |
| 13 | PFDA_2 | 335-76-2 | 3.85 | 513.1 / 219.0 | 210622 | | 4.755 | 0.184 | 0.188 | Pass | 95.1 |
| 14 | PFUnA | 2058-94-8 | 4.25 | 563.1 / 519.1 | 1195091 | | 4.570 | 0.149 | 0.146 | Pass | 91.4 |
| 15 | PFUnA_2 | 2058-94-8 | 4.25 | 563.1 / 269.0 | 178182 | | 4.741 | 0.149 | 0.146 | Pass | 94.8 |
| 16 | PFDoA | 307-55-1 | 4.64 | 613.1 / 569.1 | 1431364 | | 4.761 | 0.144 | 0.142 | Pass | 95.2 |
| 17 | PFDoA_2 | 307-55-1 | 4.64 | 613.1 / 319.0 | 206250 | | 4.978 | 0.144 | 0.142 | Pass | 99.6 |
| 18 | PFTrDA | 72629-94-8 | 5.01 | 663.1 / 619.1 | 1629932 | | 6.172 | 0.165 | 0.152 | Pass | 123.4 |
| 19 | PFTrDA_2 | 72629-94-8 | 5.01 | 663.1 / 169.0 | 269240 | | 6.638 | 0.165 | 0.152 | Pass | 132.8 |
| 20 | PFTeDA | 376-06-7 | 5.38 | 713.1 / 669.1 | 1251285 | | 4.727 | 0.156 | 0.154 | Pass | 94.6 |
| 21 | PFTeDA_2 | 376-06-7 | 5.38 | 713.1 / 169.0 | 195240 | | 4.518 | 0.156 | 0.154 | Pass | 90.4 |
| 22 | PFBS | 375-73-5 | 1.92 | 299.1 / 80.1 | 793794 | | 4.254 | 0.381 | 0.374 | Pass | 95.8 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | PFBS_2 | 375-73-5 | 1.92 | 299.1 / 99.1 | 302142 | | 4.643 | 0.381 | 0.374 | Pass | 98.8 |
| 24 | PFPeS | 2706-91-4 | 2.56 | 349.1 / 80.1 | 825329 | | 4.486 | 0.292 | 0.314 | Pass | 95.4 |
| 25 | PFPeS_2 | 2706-91-4 | 2.57 | 349.1 / 99.1 | 241359 | | 4.178 | 0.292 | 0.314 | Pass | 88.9 |
| 26 | PFHxS | 355-46-4 | 3.10 | 399.1 / 80.1 | 660012 | M5 | 3.928 | 0.309 | 0.306 | Pass | 86.1 |
| 27 | PFHxS_2 | 355-46-4 | 3.10 | 399.1 / 99.1 | 204078 | | 4.194 | 0.309 | 0.306 | Pass | 92.0 |
| 28 | PFHpS | 375-92-8 | 3.56 | 449.1 / 80.1 | 769923 | | 4.722 | 0.270 | 0.316 | Pass | 99.2 |
| 29 | PFHpS_2 | 375-92-8 | 3.56 | 449.1 / 99.1 | 208099 | | 4.171 | 0.270 | 0.316 | Pass | 87.6 |
| 30 | PFOS | 1763-23-1 | 4.00 | 499.1 / 80.1 | 811966 | M5 | 4.094 | 0.257 | 0.244 | Pass | 88.2 |
| 31 | PFOS_2 | 1763-23-1 | 4.00 | 499.1 / 99.1 | 208698 | | 4.188 | 0.257 | 0.244 | Pass | 90.3 |
| 32 | PFNS | 68259-12-1 | 4.41 | 549.1 / 80.1 | 612508 | | 4.536 | 0.292 | 0.294 | Pass | 94.5 |
| 33 | PFNS_2 | 68259-12-1 | 4.41 | 549.1 / 99.1 | 178573 | | 4.626 | 0.292 | 0.294 | Pass | 96.4 |
| 34 | PFDS | 335-77-3 | 4.80 | 599.1 / 80.1 | 609986 | | 4.598 | 0.277 | 0.290 | Pass | 95.4 |
| 35 | PFDS_2 | 335-77-3 | 4.80 | 599.1 / 99.1 | 168889 | | 4.508 | 0.277 | 0.290 | Pass | 93.5 |
| 36 | PFDoS | 79780-39-5 | 5.53 | 699.2 / 80.1 | 539915 | | 4.467 | 0.257 | 0.256 | Pass | 92.3 |
| 37 | PFDoS_2 | 79780-39-5 | 5.53 | 699.2 / 99.1 | 138640 | | 4.450 | 0.257 | 0.256 | Pass | 92.0 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 38 | 4:2FTS | 757124-72-4 | 1.71 | 327.1 / 307.1 | 648604 | | 17.572 | 0.651 | 0.650 | Pass | 94.0 |
| 39 | 4:2FTS_2 | 757124-72-4 | 1.71 | 327.1 / 81.1 | 422395 | | 17.730 | 0.651 | 0.650 | Pass | 94.8 |
| 40 | 6:2FTS | 27619-97-2 | 2.81 | 427.2 / 407.2 | 601308 | | 16.992 | 0.677 | 0.620 | Pass | 89.4 |
| 41 | 6:2FTS_2 | 27619-97-2 | 2.81 | 427.2 / 81.1 | 407373 | | 17.961 | 0.677 | 0.620 | Pass | 94.5 |
| 42 | 8:2FTS | 39108-34-4 | 3.67 | 527.2 / 507.2 | 535448 | | 19.740 | 0.644 | 0.676 | Pass | 102.8 |
| 43 | 8:2FTS_2 | 39108-34-4 | 3.67 | 527.2 / 81.1 | 344872 | | 18.469 | 0.644 | 0.676 | Pass | 96.2 |
| 44 | PFOSA | 754-91-6 | 5.23 | 498.1 / 78.1 | 1143126 | M5 | 4.950 | 0.025 | 0.026 | Pass | 99.0 |
| 45 | PFOSA_2 | 754-91-6 | 5.23 | 498.1 / 478.0 | 28794 | M5 | 4.826 | 0.025 | 0.026 | Pass | 96.5 |
| 46 | NMeFOSA | 31506-32-8 | 5.96 | 512.2 / 219.0 | 256727 | M5 | 4.643 | 1.451 | 1.377 | Pass | 92.9 |
| 47 | NMeFOSA_2 | 31506-32-8 | 5.91 | 512.2 / 169.0 | 372575 | | 4.849 | 1.451 | 1.377 | Pass | 97.0 |
| 48 | NEtFOSA | 4151-50-2 | 6.25 | 526.2 / 219.0 | 241708 | M5 | 4.589 | 1.294 | 1.292 | Pass | 91.8 |
| 49 | NEtFOSA_2 | 4151-50-2 | 6.21 | 526.2 / 169.0 | 312884 | | 4.761 | 1.294 | 1.292 | Pass | 95.2 |
| 50 | NMeFOSAA | 2355-31-9 | 3.98 | 570.2 / 419.1 | 145166 | M5 | 4.779 | 0.659 | 0.697 | Pass | 95.6 |
| 51 | NMeFOSAA_2 | 2355-31-9 | 3.98 | 570.2 / 483.0 | 95696 | | 4.385 | 0.659 | 0.697 | Pass | 87.7 |
| 52 | NEtFOSAA | 2991-50-6 | 4.19 | 584.2 / 419.1 | 127097 | | 4.484 | 0.595 | 0.557 | Pass | 89.7 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | NEtFOSAA_2 | 2991-50-6 | 4.19 | 584.2 / 526.2 | 75613 | M5 | 4.839 | 0.595 | 0.557 | Pass | 96.8 |
| 54 | NMeFOSE | 24448-09-7 | 5.83 | 616.1 / 58.9 | 4109569 | M5 | 47.461 | N/A | N/A | N/A | 94.9 |
| 55 | NEtFOSE | 1691-99-2 | 6.12 | 630.0 / 58.9 | 5642354 | M5 | 48.217 | N/A | N/A | N/A | 96.4 |
| 56 | HFPO-DA | 13252-13-6 | 2.13 | 285.0 / 169.0 | 3173132 | | 17.802 | 0.545 | 0.501 | Pass | 89.0 |
| 57 | HFPO-DA_2 | 13252-13-6 | 2.13 | 285.0 / 184.9 | 1729147 | | 18.399 | 0.545 | 0.501 | Pass | 92.0 |
| 58 | ADONA | 919005-14-4 | 2.69 | 376.9 / 251.0 | 6859963 | | 19.763 | 0.621 | 0.691 | Pass | 104.6 |
| 59 | ADONA_2 | 919005-14-4 | 2.69 | 376.9 / 84.8 | 4259140 | | 18.521 | 0.621 | 0.691 | Pass | 98.0 |
| 60 | 9Cl-PF3ONS | 756426-58-1 | 4.28 | 530.8 / 351.1 | 6302389 | | 18.648 | 0.330 | 0.332 | Pass | 99.7 |
| 61 | 9Cl-PF3ONS_2 | 756426-58-1 | 4.28 | 532.8 / 353.0 | 2080894 | | 18.524 | 0.330 | 0.332 | Pass | 99.1 |
| 62 | 11Cl-PF3OUdS | 763051-92-9 | 5.06 | 630.9 / 451.0 | 5766133 | | 20.176 | 0.312 | 0.322 | Pass | 106.8 |
| 63 | 11Cl-PF3OUdS_2 | 763051-92-9 | 5.06 | 632.9 / 452.9 | 1798430 | | 19.605 | 0.312 | 0.322 | Pass | 103.7 |
| 64 | 3:3FTCA | 356-02-5 | 1.56 | 241.1 / 177.1 | 305995 | | 24.069 | 1.027 | 1.010 | Pass | 96.3 |
| 65 | 3:3FTCA_2 | 356-02-5 | 1.57 | 241.1 / 117.0 | 314278 | | 22.767 | 1.027 | 1.010 | Pass | 91.1 |
| 66 | 5:3FTCA | 914637-49-3 | 3.04 | 341.1 / 237.1 | 6709898 | | 129.828 | 0.993 | 1.017 | Pass | 103.9 |
| 67 | 5:3FTCA_2 | 914637-49-3 | 3.04 | 341.1 / 217.0 | 6664591 | | 127.982 | 0.993 | 1.017 | 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 | 4.06 | 441.1 / 316.9 | 5367519 | | 124.747 | 1.360 | 1.343 | Pass | 99.8 |
| 69 | 7:3FTCA_2 | 812-70-4 | 4.06 | 441.1 / 337.1 | 7301650 | | 128.375 | 1.360 | 1.343 | Pass | 102.7 |
| 70 | PFEESA | 113507-82-7 | 2.23 | 315.1 / 135.0 | 4889661 | | 9.104 | 0.079 | 0.081 | Pass | 102.1 |
| 71 | PFEESA_2 | 113507-82-7 | 2.23 | 315.1 / 82.9 | 387505 | | 8.772 | 0.079 | 0.081 | Pass | 98.3 |
| 72 | PFMPA | 377-73-1 | 0.73 | 229.0 / 85.0 | 1720271 | | 9.265 | N/A | N/A | N/A | 92.7 |
| 73 | PFMBA | 863090-89-5 | 1.43 | 279.0 / 85.0 | 1851903 | | 9.827 | N/A | N/A | N/A | 98.3 |
| 74 | NFDHA | 151772-58-6 | 1.85 | 295.0 / 201.0 | 1441756 | | 10.255 | 0.679 | 0.681 | Pass | 102.6 |
| 75 | NFDHA_2 | 151772-58-6 | 1.84 | 295.0 / 84.9 | 979237 | | 9.841 | 0.679 | 0.681 | Pass | 98.4 |
| 76 | TDCA | 516-50-7 | 2.67 | 499.1 / 124.1 | 1905932 | | 8.513 | 5.535 | 5.680 | Pass | 85.1 |
| 77 | TDCA_2 | 516-50-7 | 2.67 | 499.1 / 79.9 | 10548607 | | 8.363 | 5.535 | 5.680 | Pass | 83.6 |
| 78 | 13C2D4-4:2FTS | Surr | 1.70 | 333.2 / 312.1 | 167744 | | 5.554 | N/A | N/A | N/A | 111.1 |
| 79 | 13C2-PFOA | Surr | 2.99 | 415.0 / 370.0 | 398670 | | 2.609 | 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 | 0.57 | 217.0 / 172.0 | 1986242 | | 10.689 | NA | NA | NA | 106.9 |

| Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| 13C5-PFPeA | EIS | 1.15 | 268.0 / 223.0 | 857809 | | 5.238 | NA | NA | NA | 104.8 |
| 13C5-PFHxA | EIS | 1.92 | 318.0 / 273.0 | 403499 | | 2.621 | NA | NA | NA | 104.8 |
| 13C4-PFHpA | EIS | 2.50 | 367.0 / 322.0 | 405570 | | 2.731 | NA | NA | NA | 109.2 |
| 13C8-PFOA | EIS | 2.99 | 420.8 / 376.0 | 772188 | | 2.811 | NA | NA | NA | 112.4 |
| 13C9-PFNA | EIS | 3.43 | 472.0 / 427.0 | 293887 | | 1.235 | NA | NA | NA | 98.8 |
| 13C6-PFDA | EIS | 3.85 | 519.0 / 474.0 | 340154 | | 1.327 | NA | NA | NA | 106.1 |
| 13C7-PFUnA | EIS | 4.25 | 570.0 / 525.0 | 386043 | | 1.364 | NA | NA | NA | 109.1 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C2-PFDoA | EIS | 4.63 | 615.1 / 570.0 | 397654 | | 1.397 | NA | NA | NA | 111.8 |
| | 13C2-PFTeDA | EIS | 5.37 | 715.1 / 670.1 | 291124 | | 1.577 | NA | NA | NA | 126.2 |
| | 13C3-PFBS | EIS | 1.91 | 302.1 / 80.1 | 409308 | | 2.389 | NA | NA | NA | 102.6 |
| | 13C3-PFHxS | EIS | 3.09 | 402.1 / 80.1 | 384505 | | 2.526 | NA | NA | NA | 106.6 |
| | 13C8-PFOS | EIS | 3.99 | 507.1 / 80.1 | 416008 | | 2.685 | NA | NA | NA | 111.9 |
| | 13C2-4:2FTS | EIS | 1.71 | 329.1 / 81.1 | 112477 | | 4.452 | NA | NA | NA | 94.9 |
| | 13C2-6:2FTS | EIS | 2.80 | 429.2 / 81.1 | 104718 | | 4.815 | NA | NA | NA | 101.1 |
| | 13C2-8:2FTS | EIS | 3.67 | 529.2 / 81.1 | 97848 | | 4.797 | NA | NA | NA | 99.9 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C8-PFOSA | EIS | 5.23 | 506.1 / 78.1 | 721044 | | 2.932 | NA | NA | NA | 117.3 |
| | d3-NMeFOSA | EIS | 5.95 | 515.2 / 219.0 | 123326 | | 2.777 | NA | NA | NA | 111.1 |
| | d5-NEtFOSA | EIS | 6.24 | 531.2 / 219.0 | 108071 | | 2.676 | NA | NA | NA | 107.0 |
| | d3-NMeFOSAA | EIS | 3.97 | 573.2 / 419.1 | 167064 | | 5.522 | NA | NA | NA | 110.4 |
| | d5-NEtFOSAA | EIS | 4.18 | 589.3 / 419.1 | 130747 | | 5.299 | NA | NA | NA | 106.0 |
| | d7-NMeFOSE | EIS | 5.80 | 623.2 / 58.9 | 955535 | | 29.912 | NA | NA | NA | 119.6 |
| | d9-NEtFOSE | EIS | 6.10 | 639.2 / 58.9 | 1238770 | | 28.908 | NA | NA | NA | 115.6 |

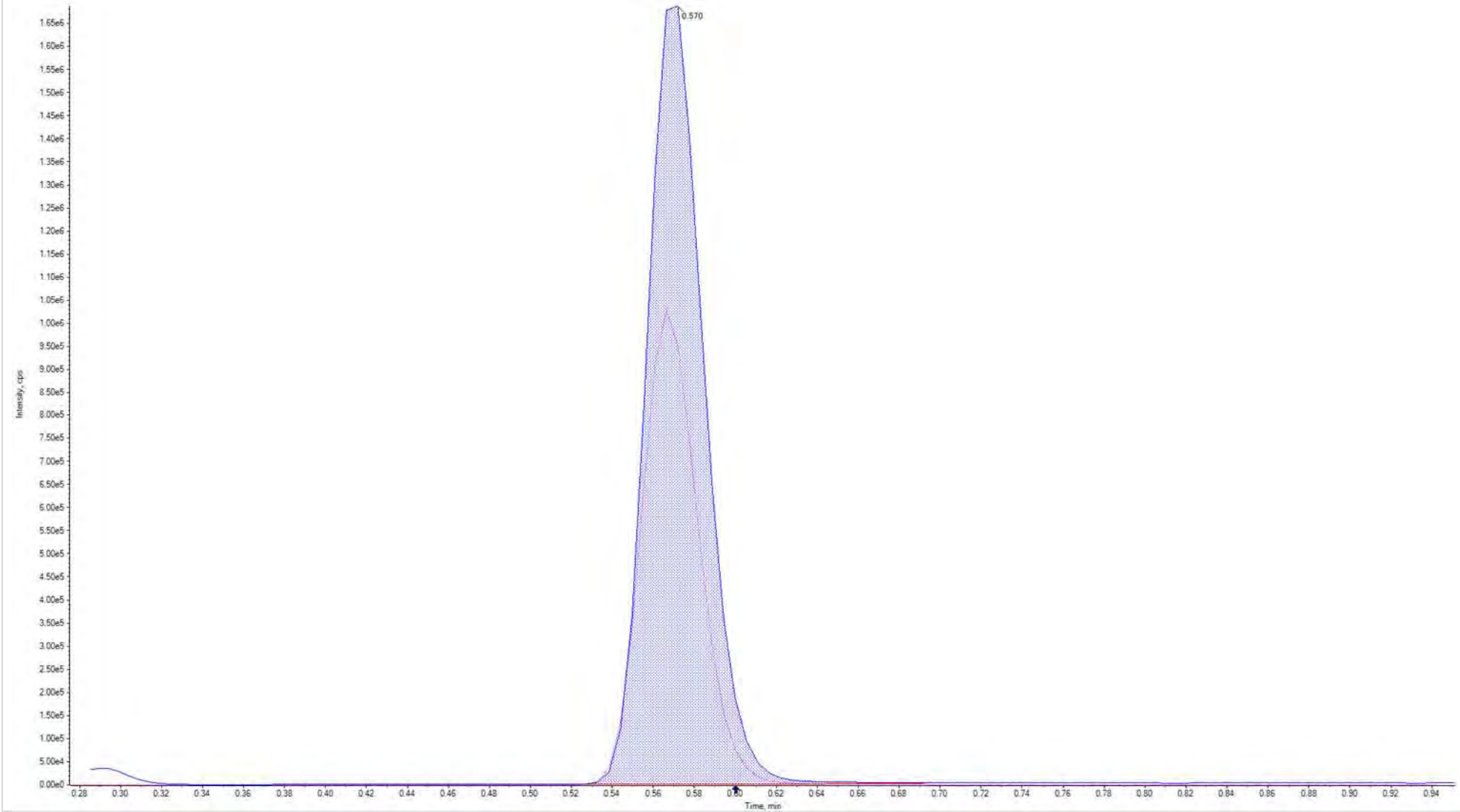
| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C3-HFPO-DA | EIS | 2.13 | 287.0 / 169.0 | 1758834 | | 10.800 | NA | NA | NA | 108.0 |
| | 13C3-PFBA | NIS | 0.57 | 216.0 / 172.0 | 822229 | | 5.673 | NA | NA | NA | 113.5 |
| | 13C2-PFHxA | NIS | 1.92 | 315.0 / 270.0 | 453377 | | 2.797 | NA | NA | NA | 111.9 |
| | 13C4-PFOA | NIS | 2.99 | 417.0 / 372.0 | 417469 | | 2.904 | NA | NA | NA | 116.2 |
| | 13C5-PFNA | NIS | 3.43 | 468.0 / 423.0 | 297982 | | 1.446 | NA | NA | NA | 115.7 |
| | 13C2-PFDA | NIS | 3.85 | 515.1 / 470.1 | 299272 | | 1.407 | NA | NA | NA | 112.6 |
| | 18O2-PFHxS | NIS | 3.09 | 403.1 / 84.1 | 320168 | | 2.720 | NA | NA | NA | 114.8 |
| | 13C4-PFOS | NIS | 3.99 | 503.1 / 80.1 | 311656 | | 2.592 | NA | NA | NA | 108.0 |

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

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

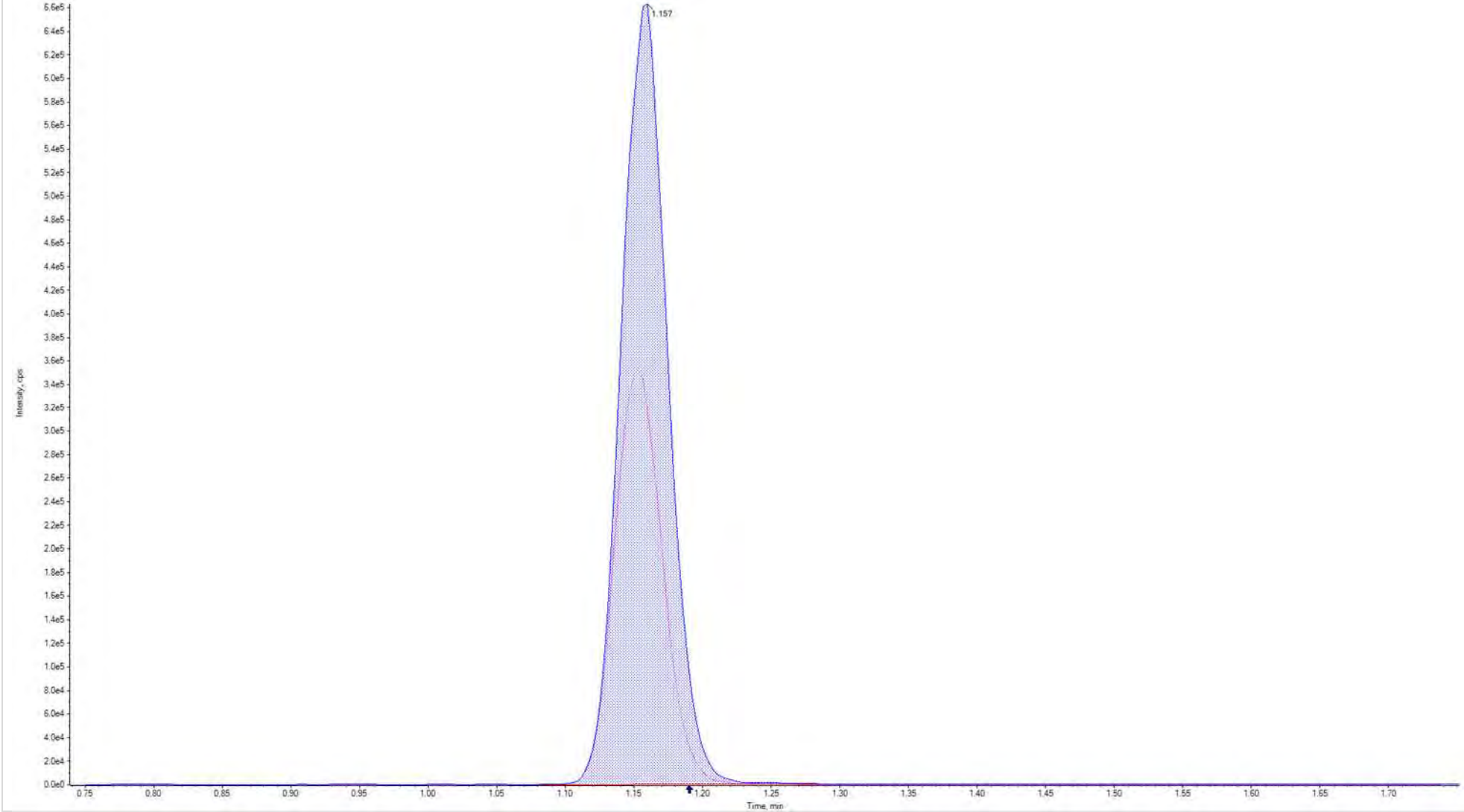
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFBA
Sample: WG2038851-2,1633FMED S/N:2573.6 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFPeA
Sample: WG2038851-2,1633FMED S/N:5976.8 Points Across peak:67



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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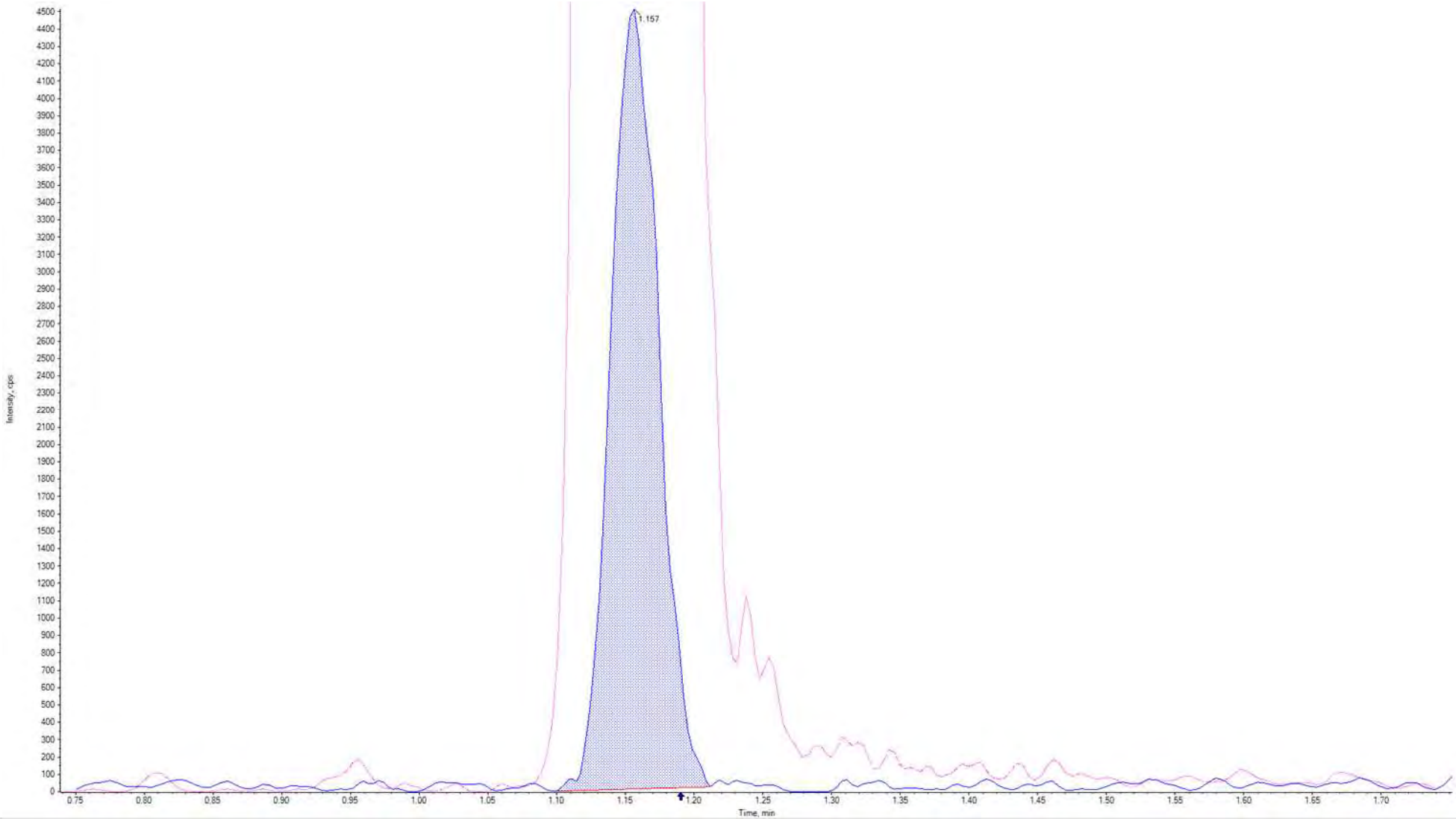
Generated: 3/11/2025 7:33:31 AM

PFPeA_2
Sample: WG2038851-2,1633FMED S/N:270.6 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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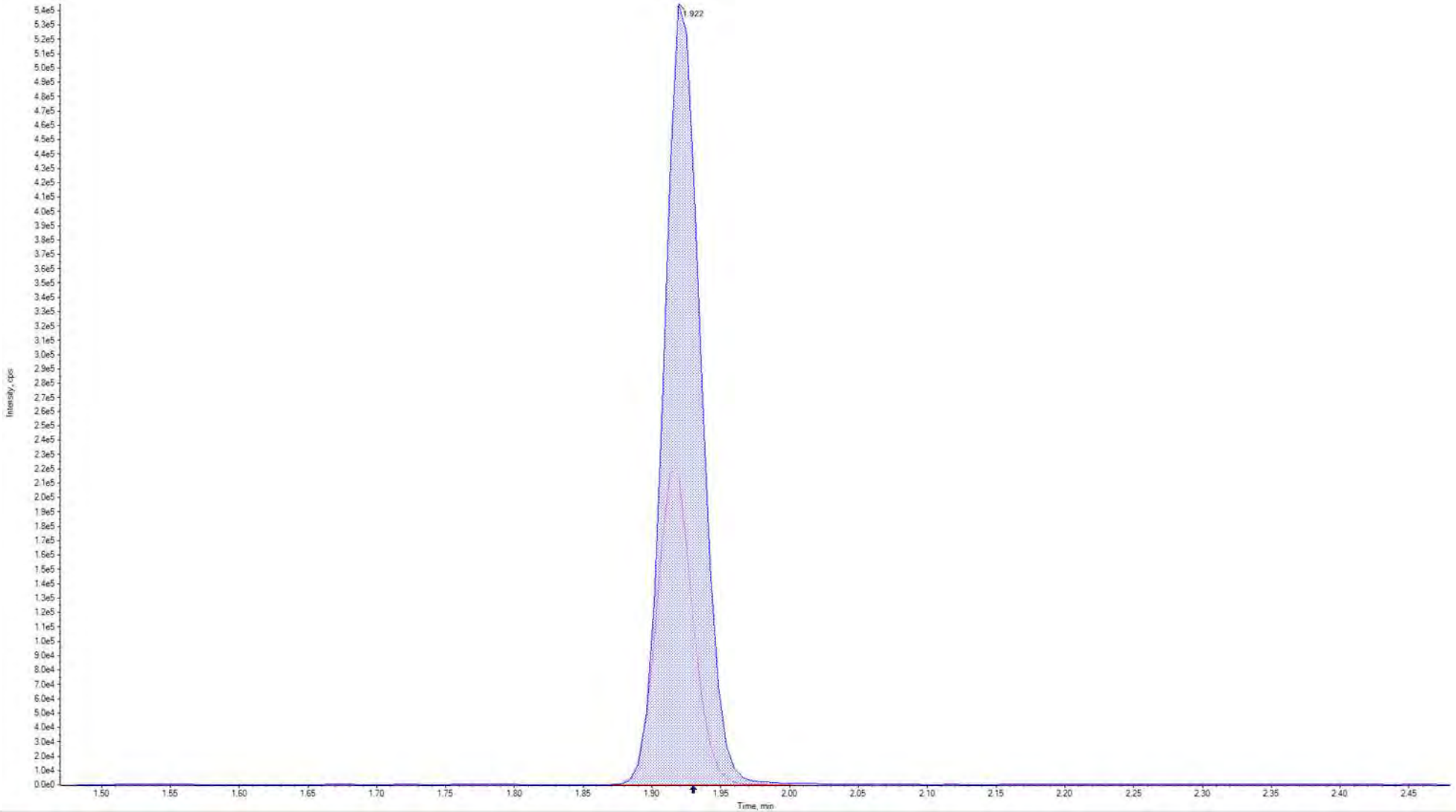
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFHxA
Sample: WG2038851-2,1633FMED S/N:5450.0 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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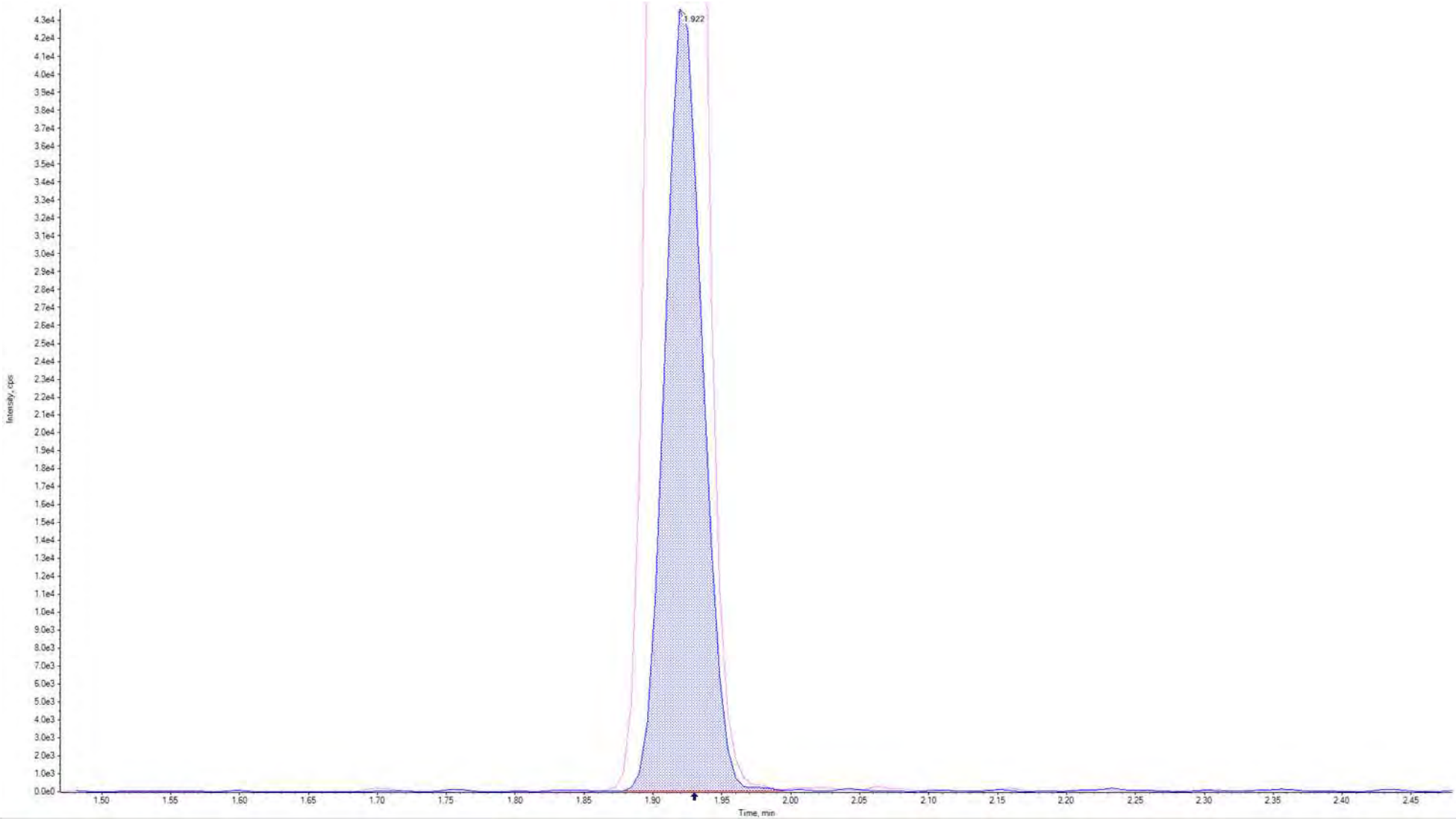
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFHxA_2
Sample: WG2038851-2,1633FMED S/N:1092.9 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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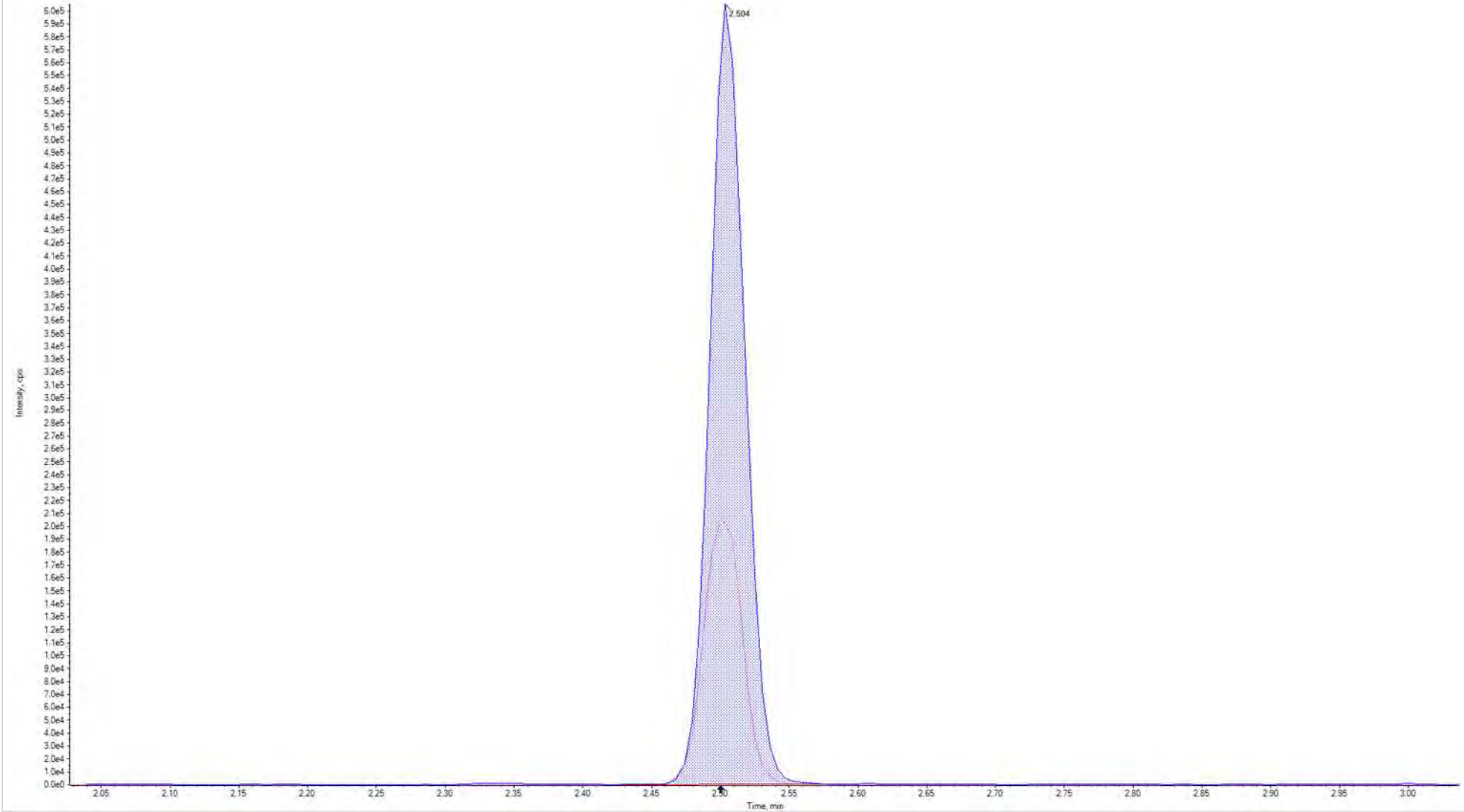
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFHpA
Sample: WG2038851-2,1633FMED S/N:4804.3 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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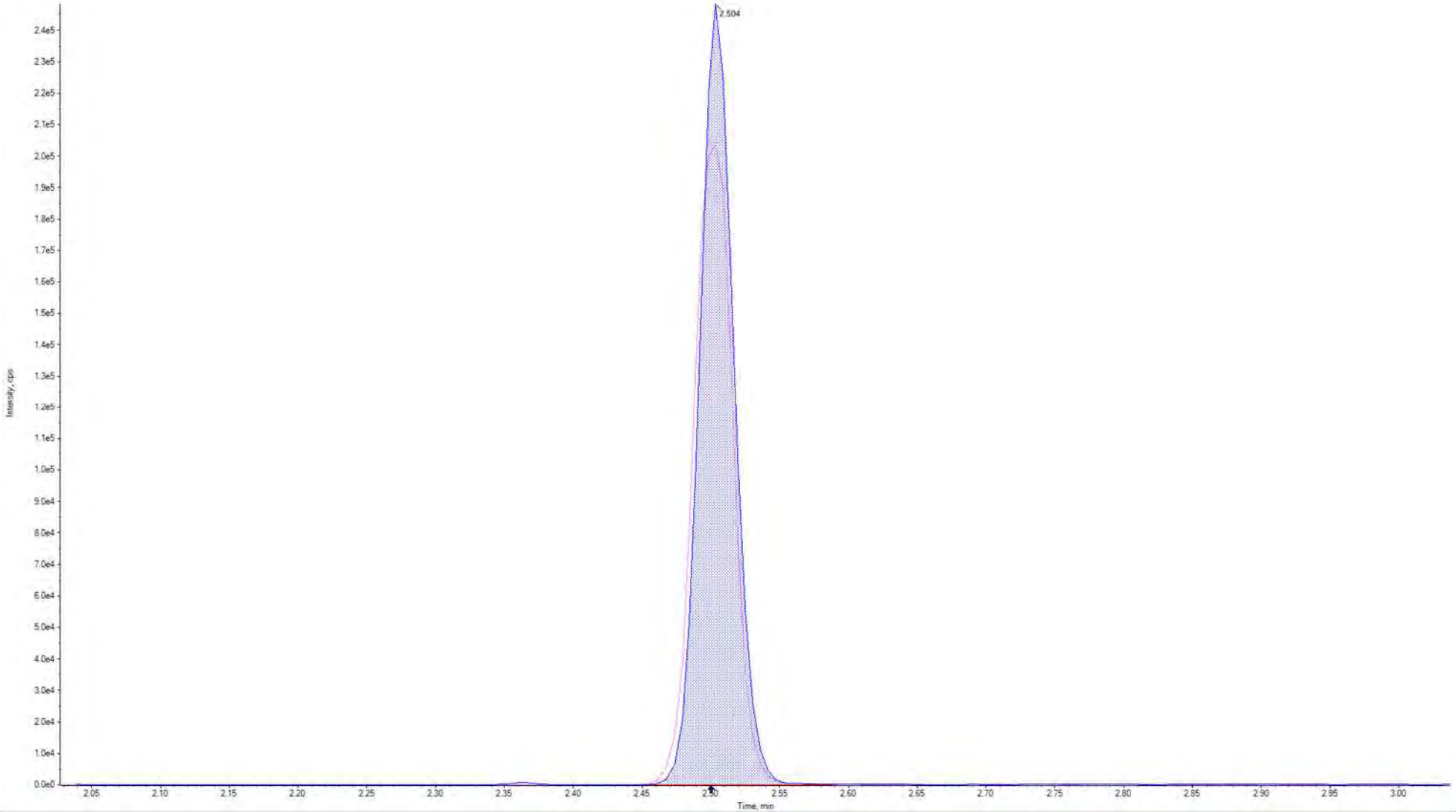
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFHpA_2
Sample: WG2038851-2,1633FMED S/N:4981.1 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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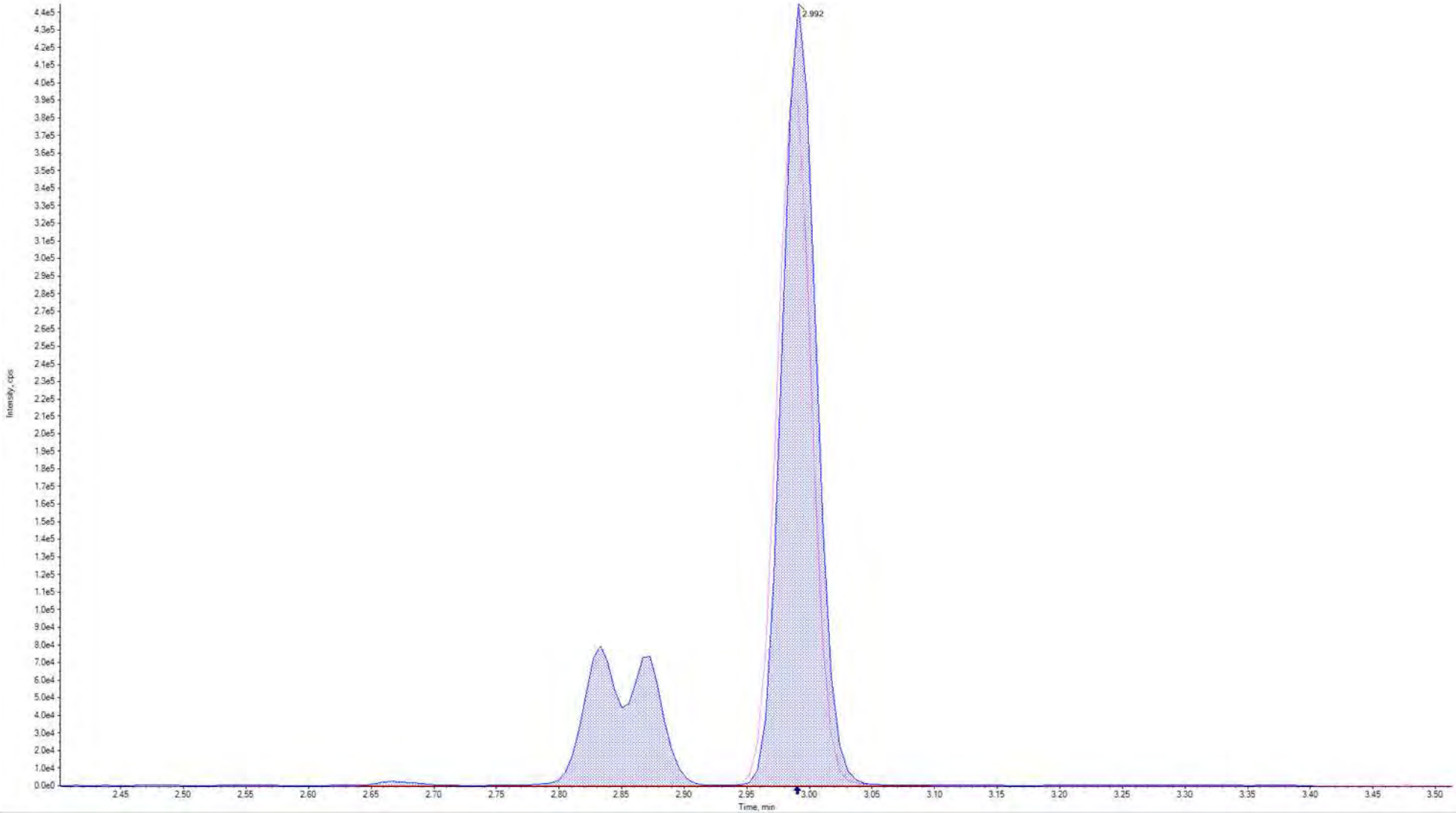
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFOA
Sample: WG2038851-2,1633FMED S/N:772.6 Points Across peak:76



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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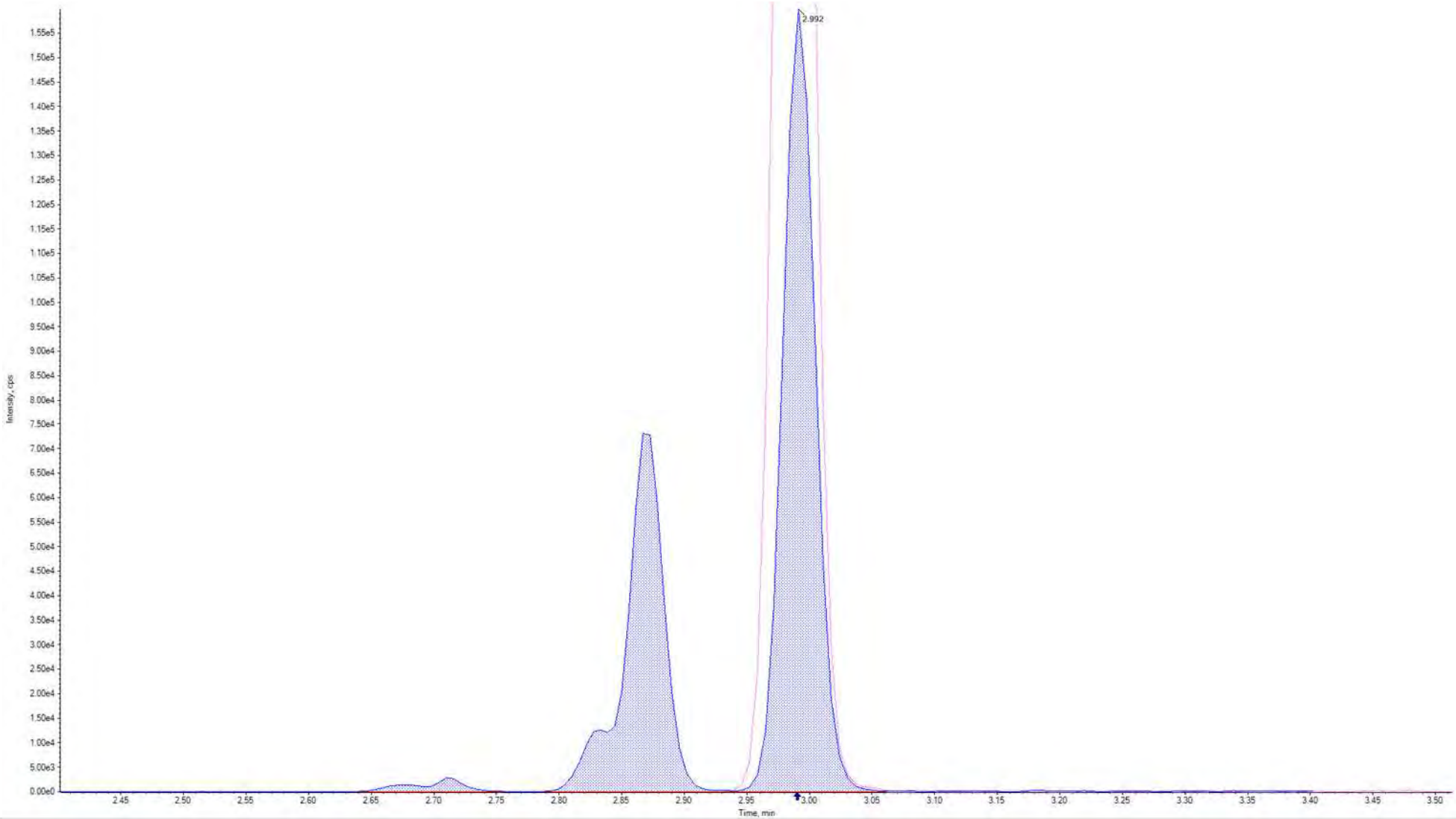
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFOA_2
Sample: WG2038851-2,1633FMED S/N:526.4 Points Across peak:73



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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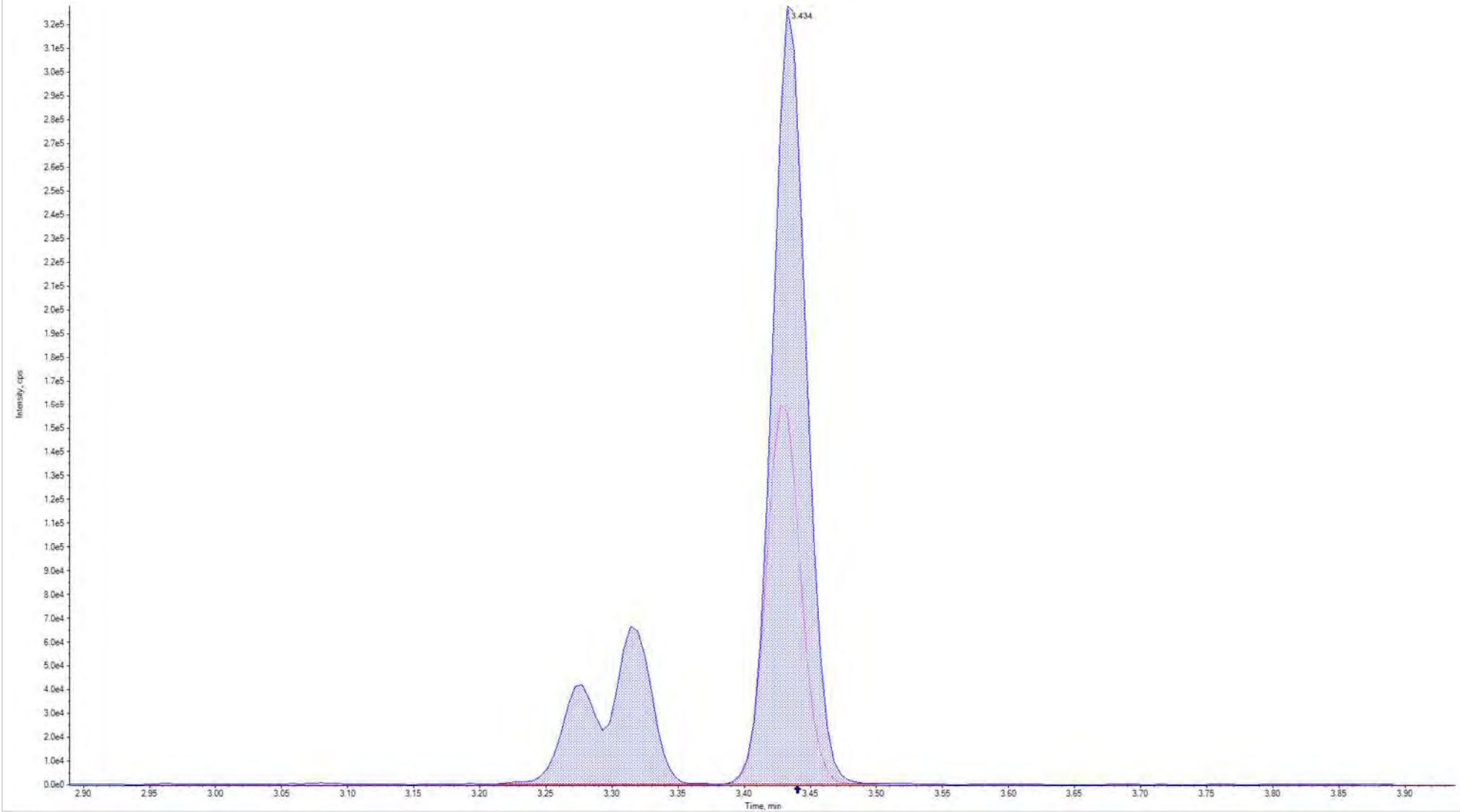
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFNA
Sample: WG2038851-2,1633FMED S/N:692.2 Points Across peak:59



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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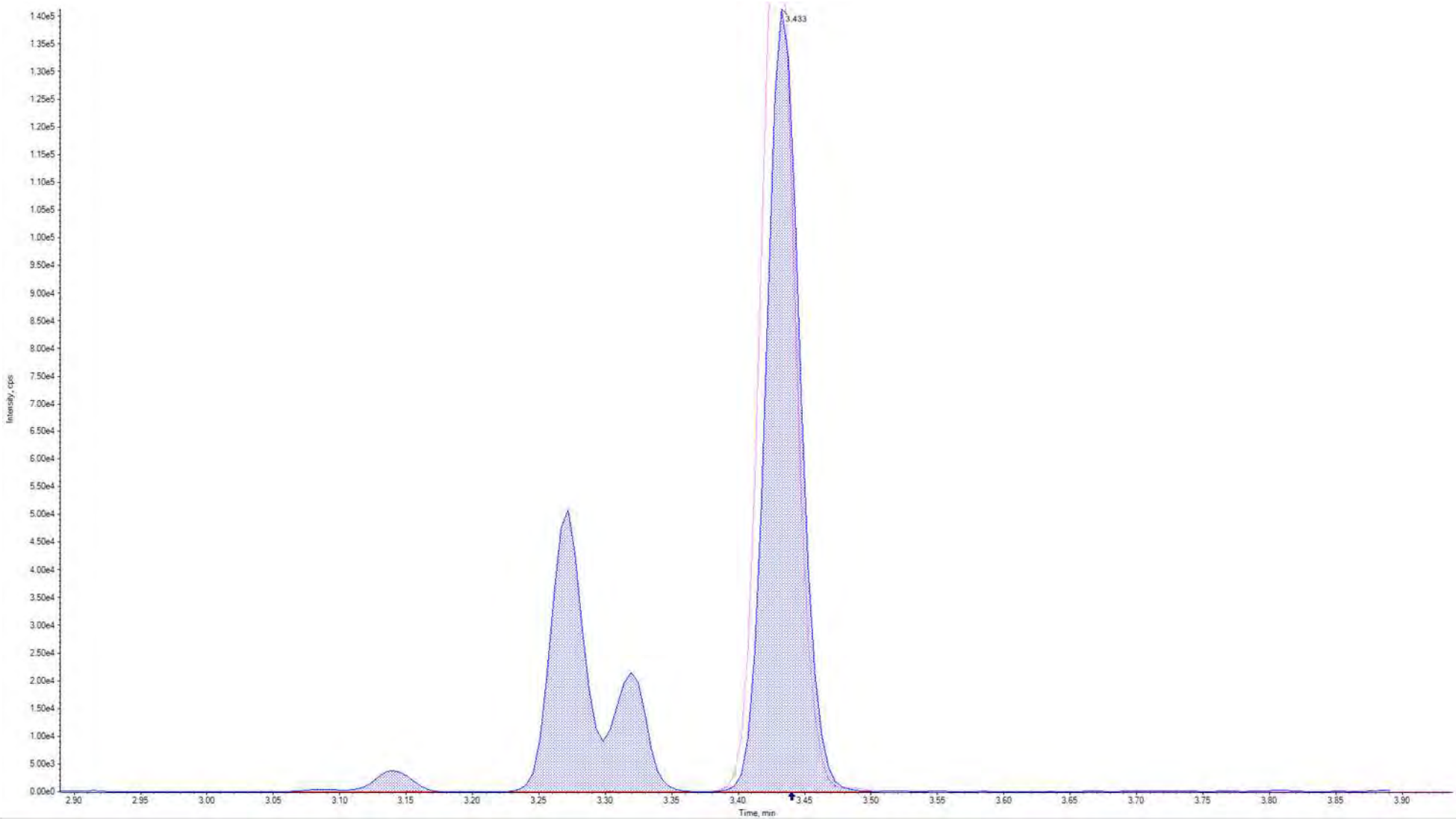
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFNA_2
Sample: WG2038851-2,1633FMED S/N:443.2 Points Across peak:85



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Alpha Analytical LLC
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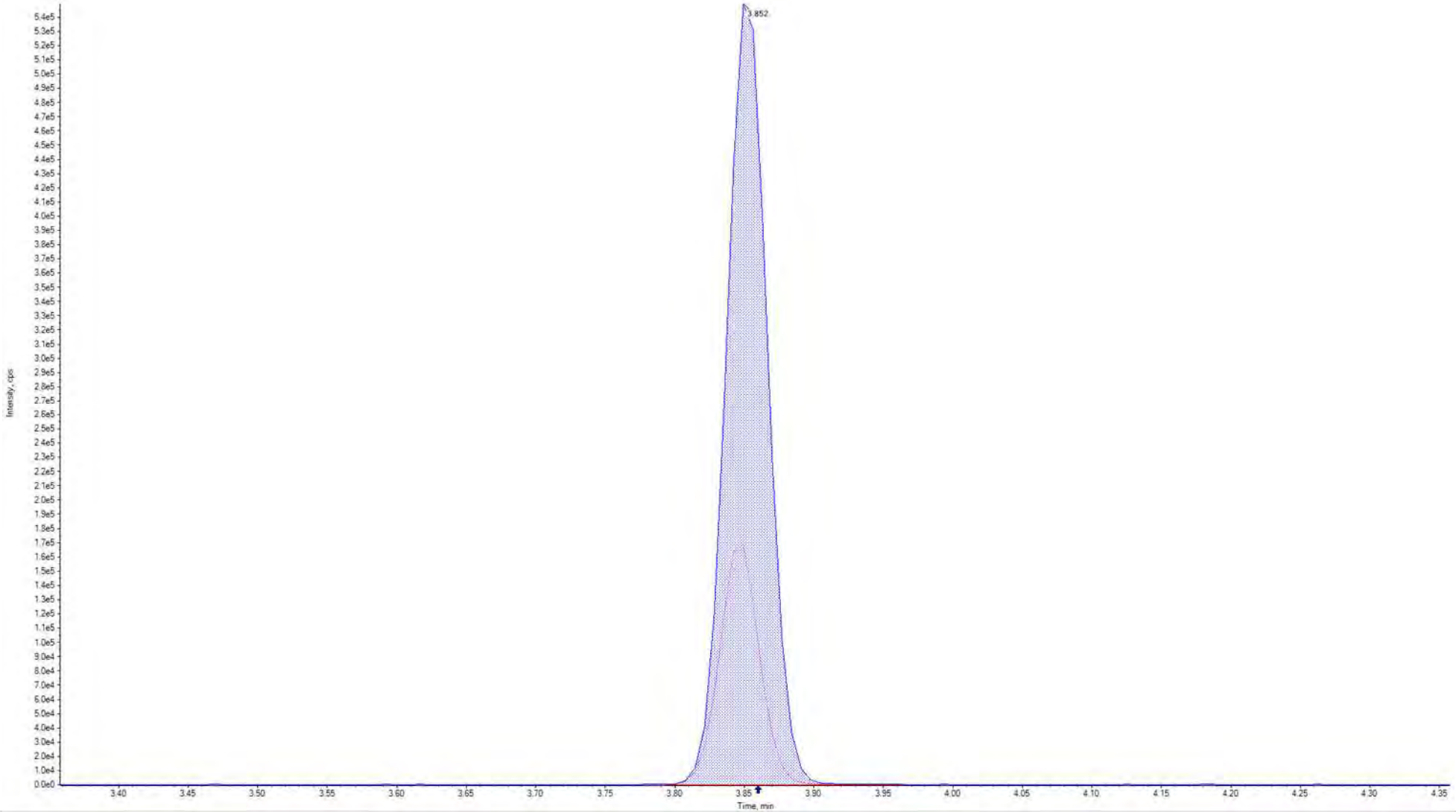
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFDA
Sample: WG2038851-2,1633FMED S/N:11014.1 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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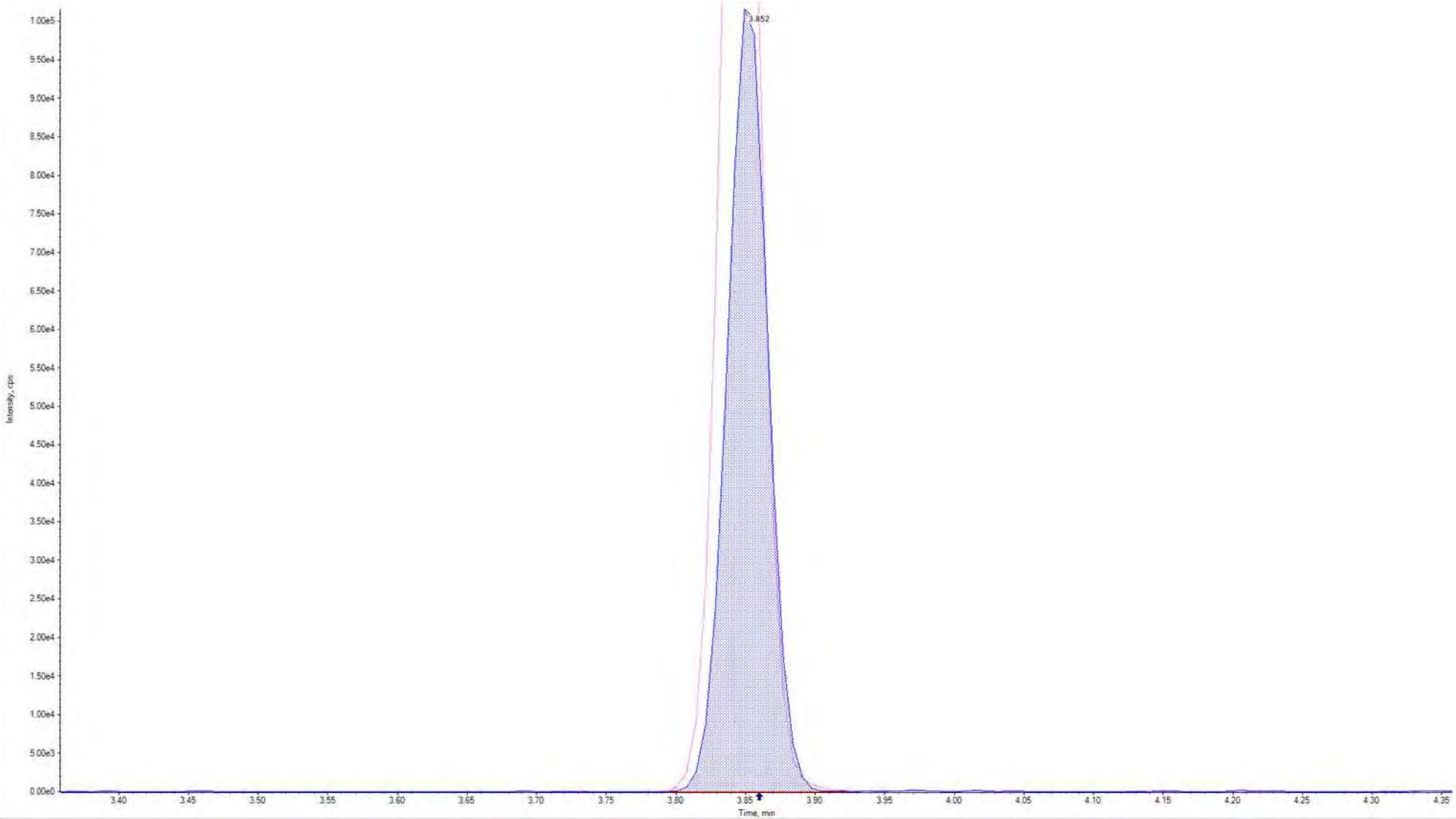
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFDA_2
Sample: WG2038851-2,1633FMED S/N:2036.7 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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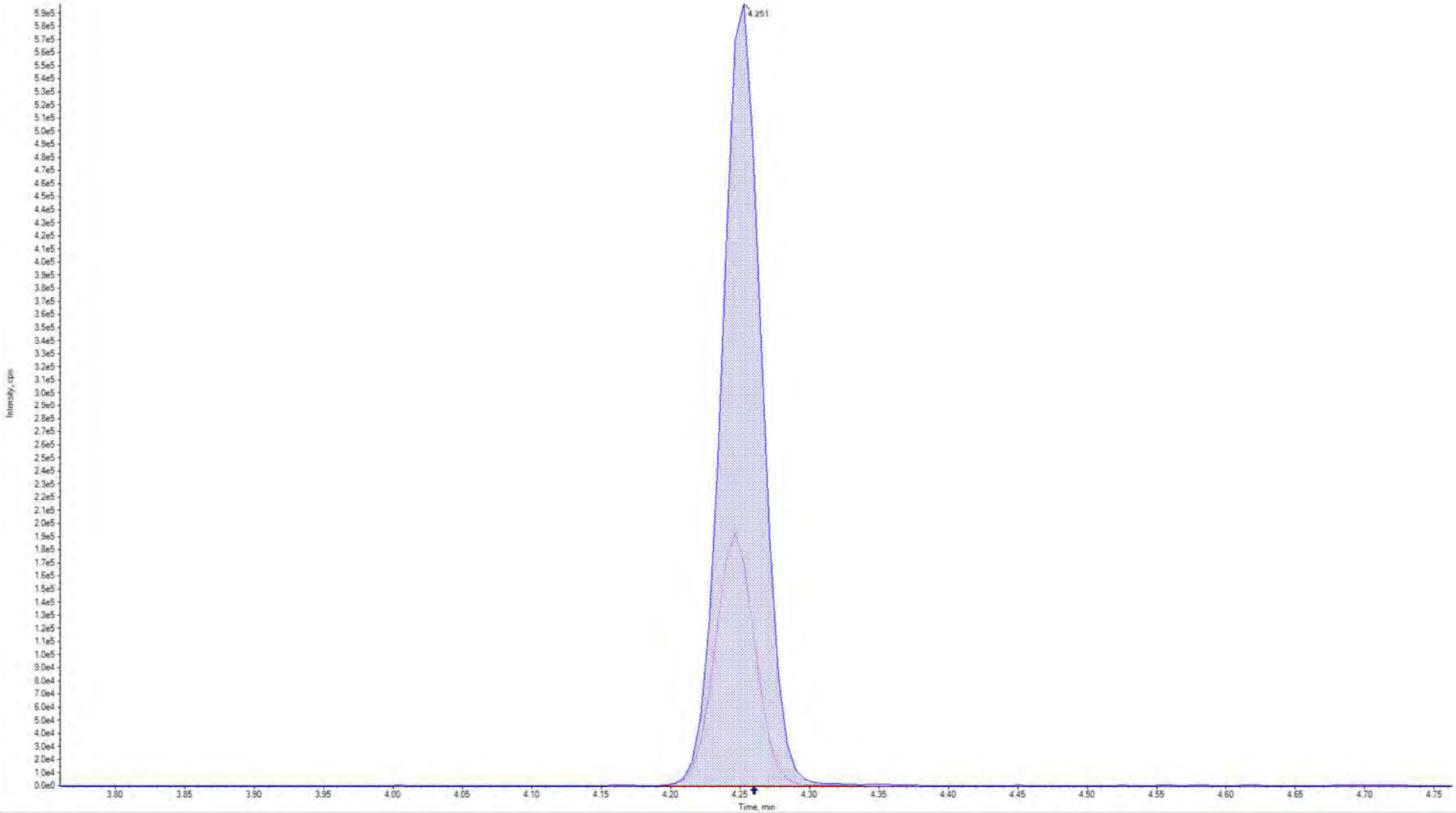
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFUnA
Sample: WG2038851-2,1633FMED S/N:2680.3 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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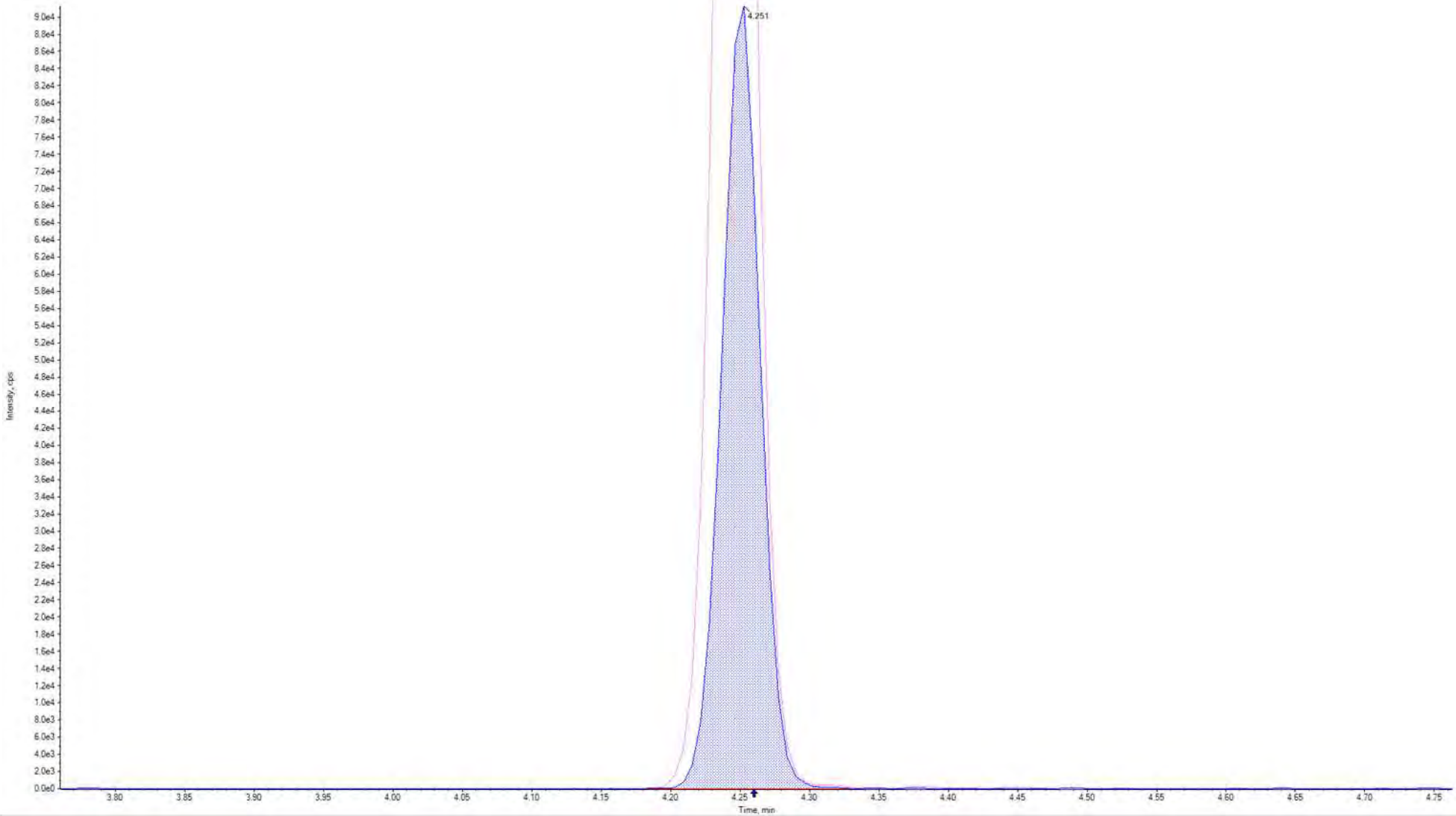
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFUnA_2
Sample: WG2038851-2,1633FMED S/N:2059.0 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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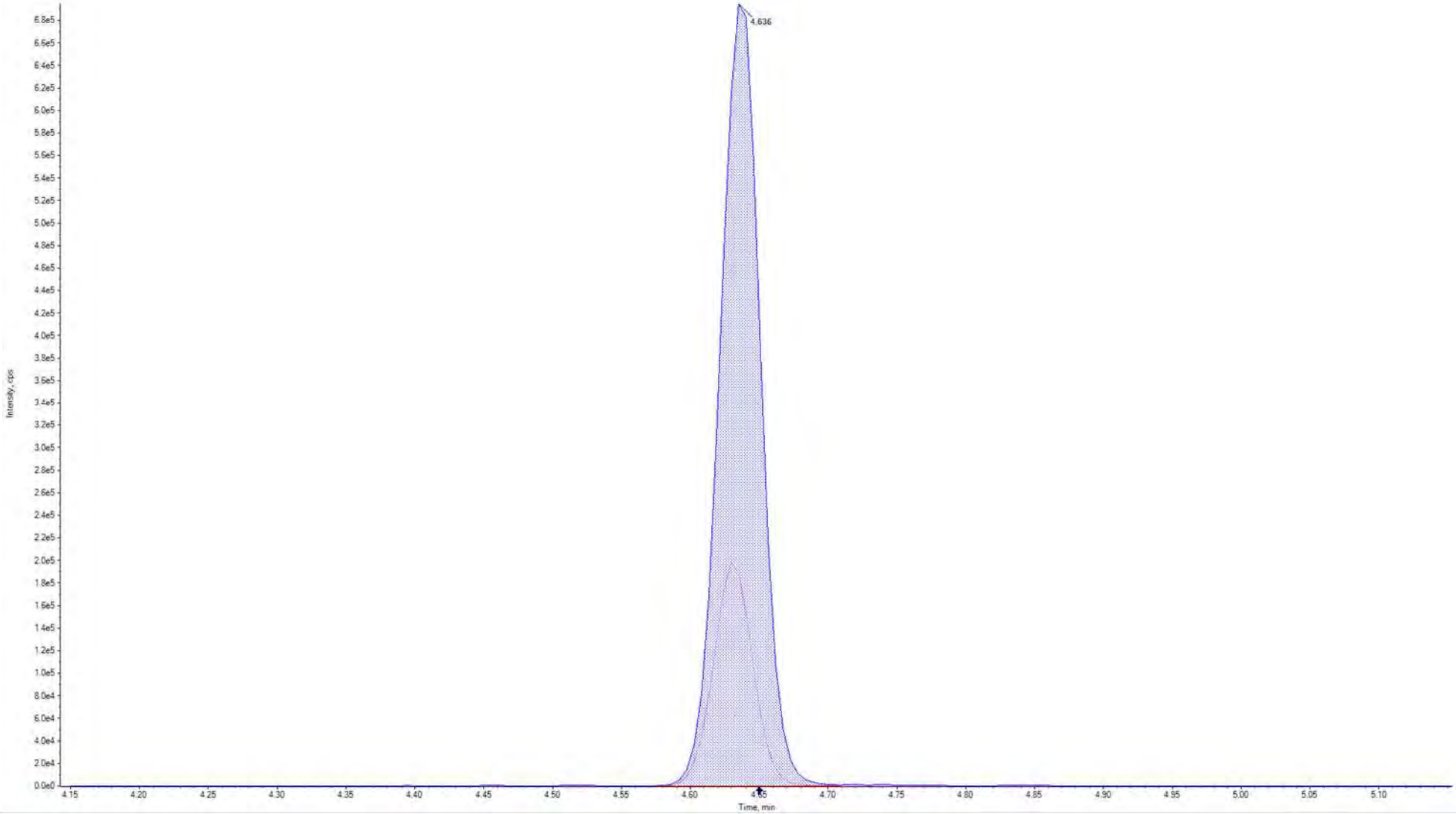
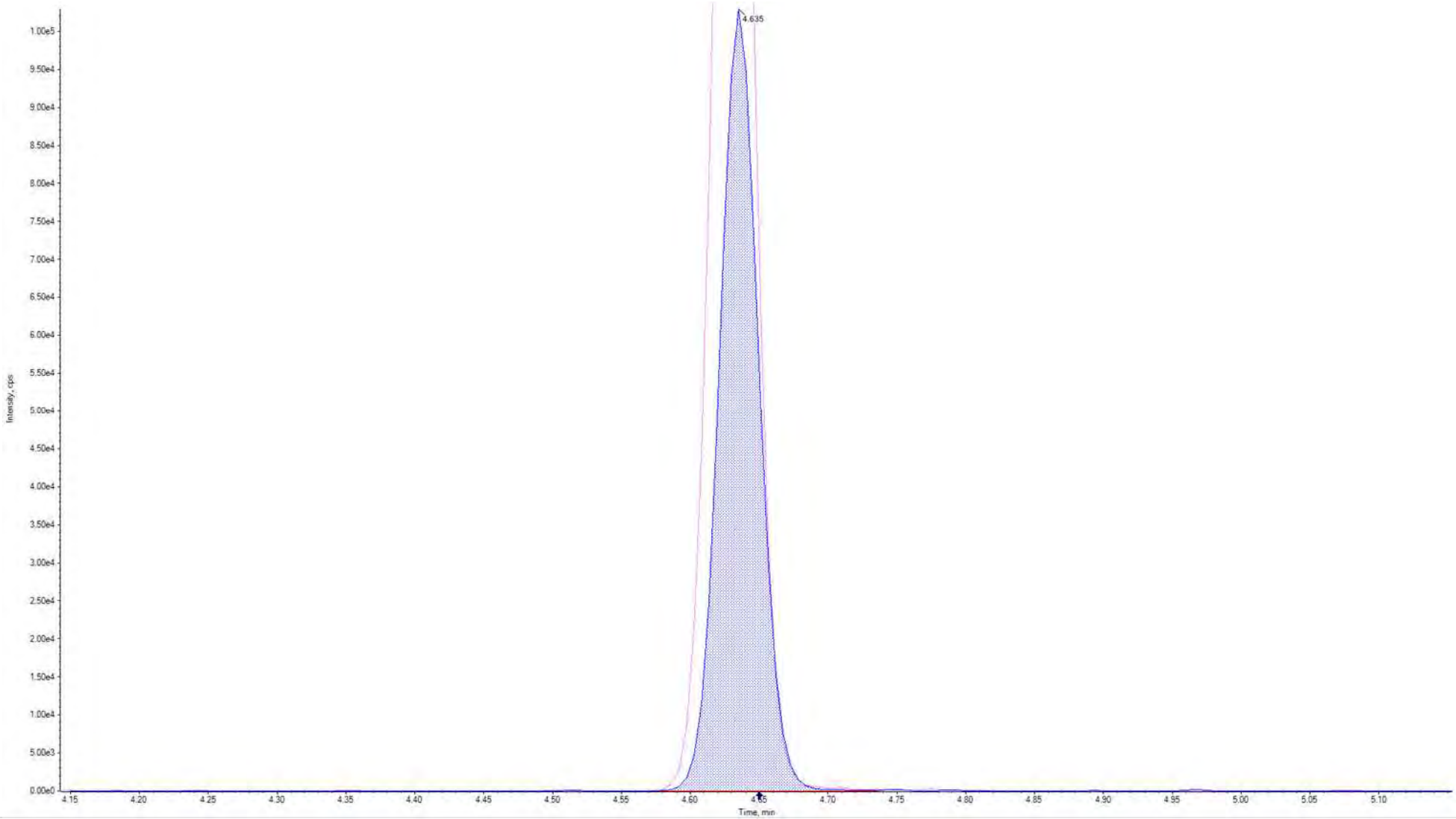
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFDoA
Sample: WG2038851-2,1633FMED S/N:9668.9 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFDoA_2
Sample: WG2038851-2,1633FMED S/N:2838.0 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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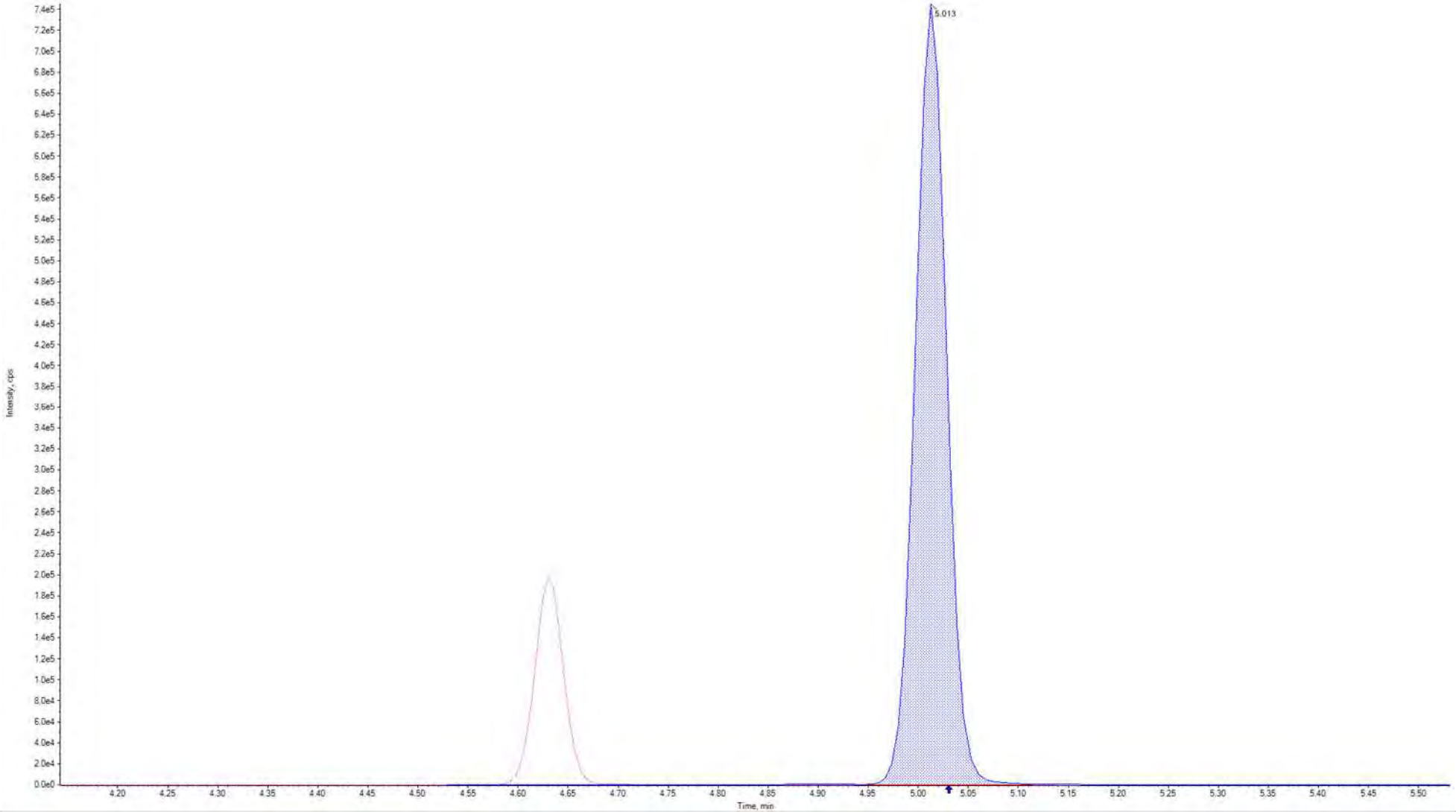
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFTrDA
Sample: WG2038851-2,1633FMED S/N:11624.5 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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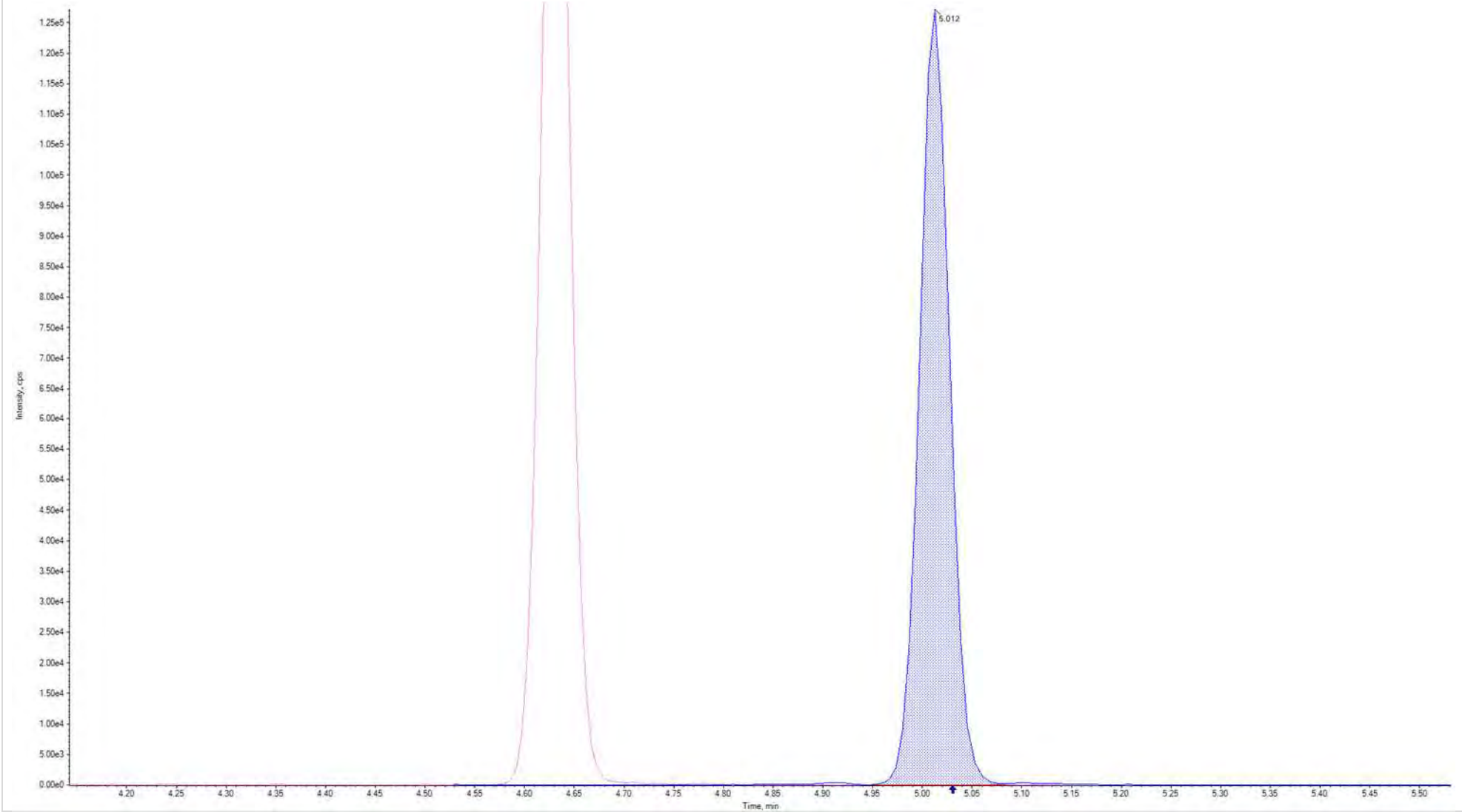
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFTrDA_2
Sample: WG2038851-2,1633FMED S/N:2863.8 Points Across peak:22



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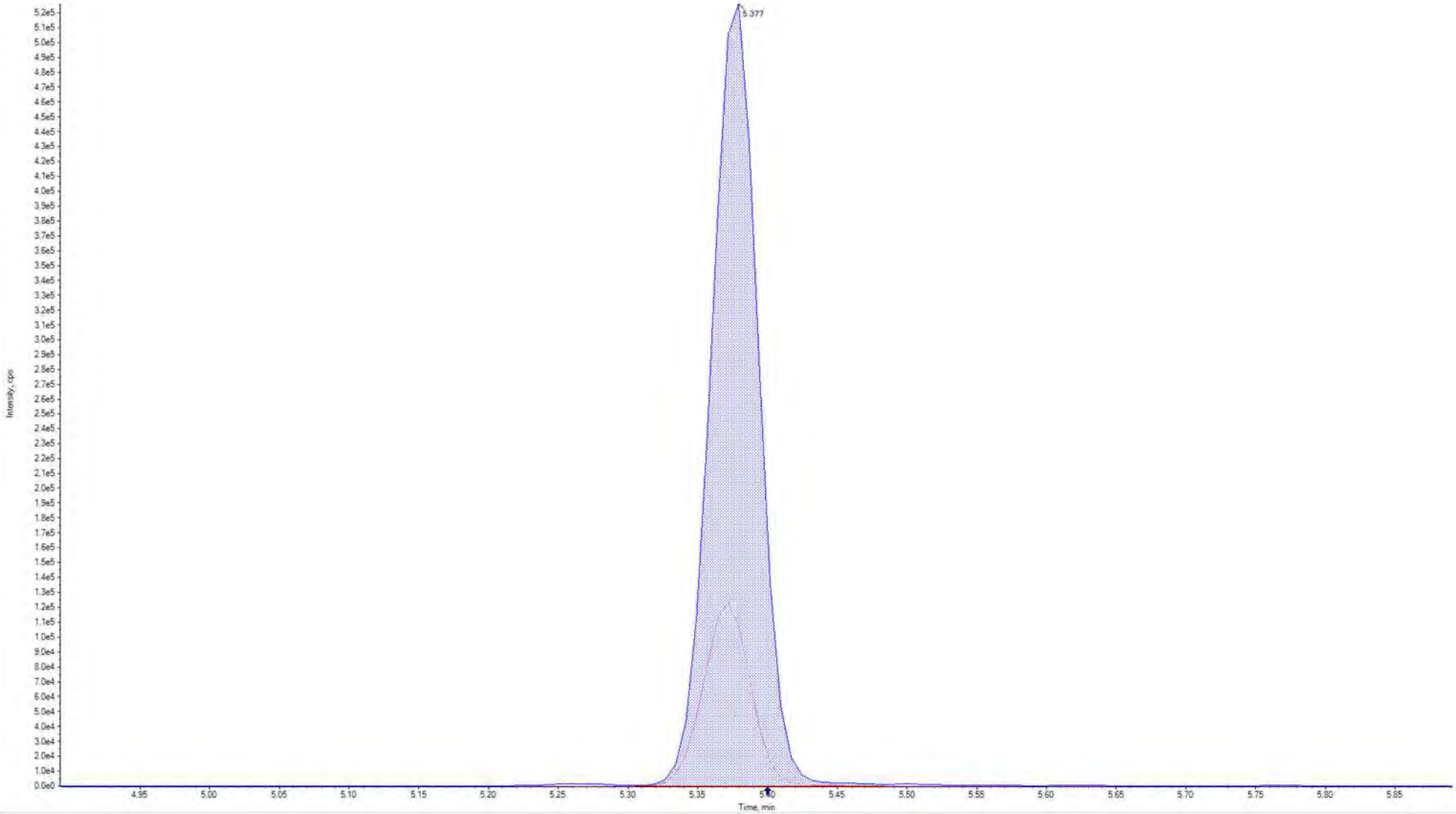

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFTeDA_2
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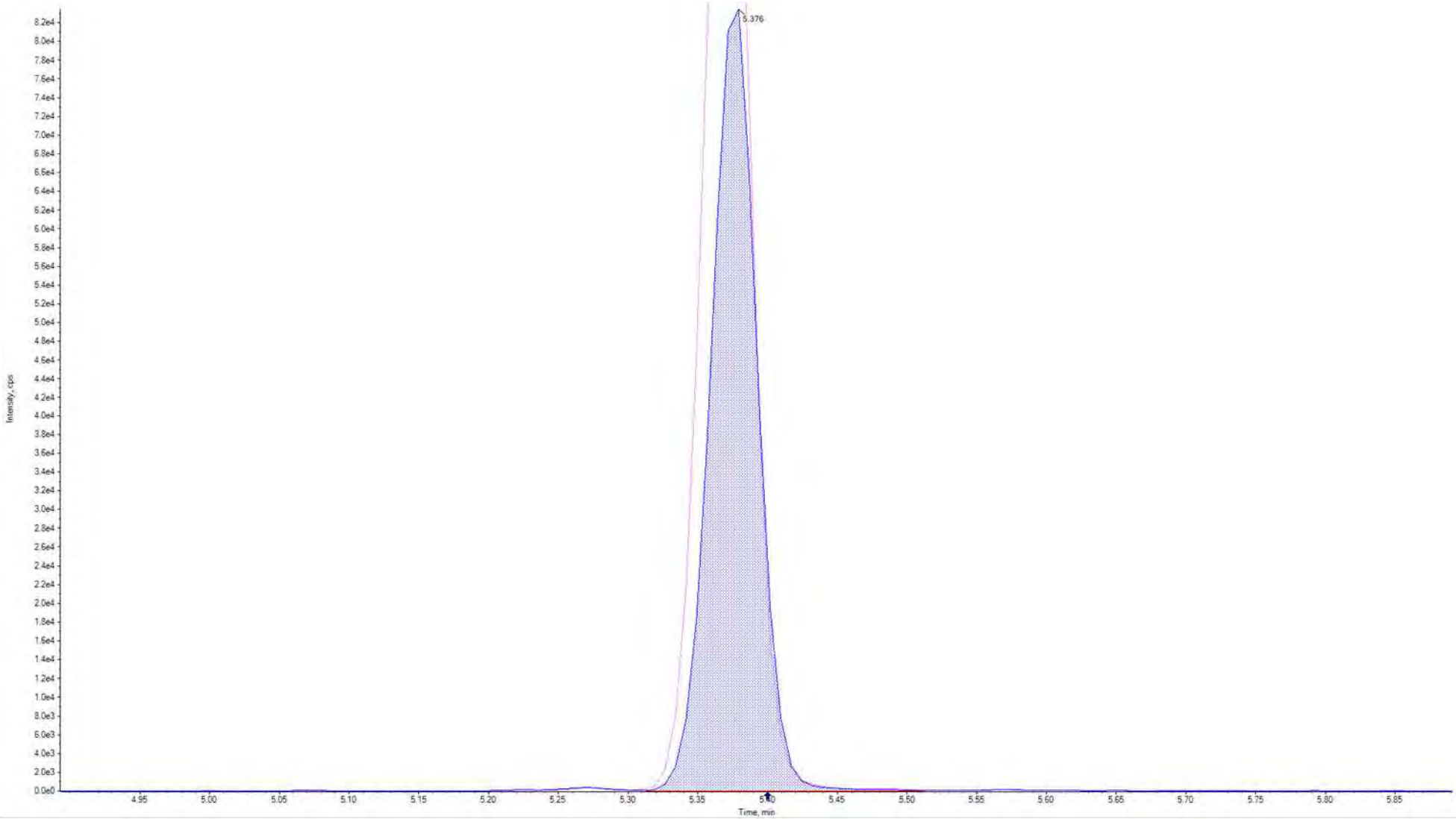

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFBS
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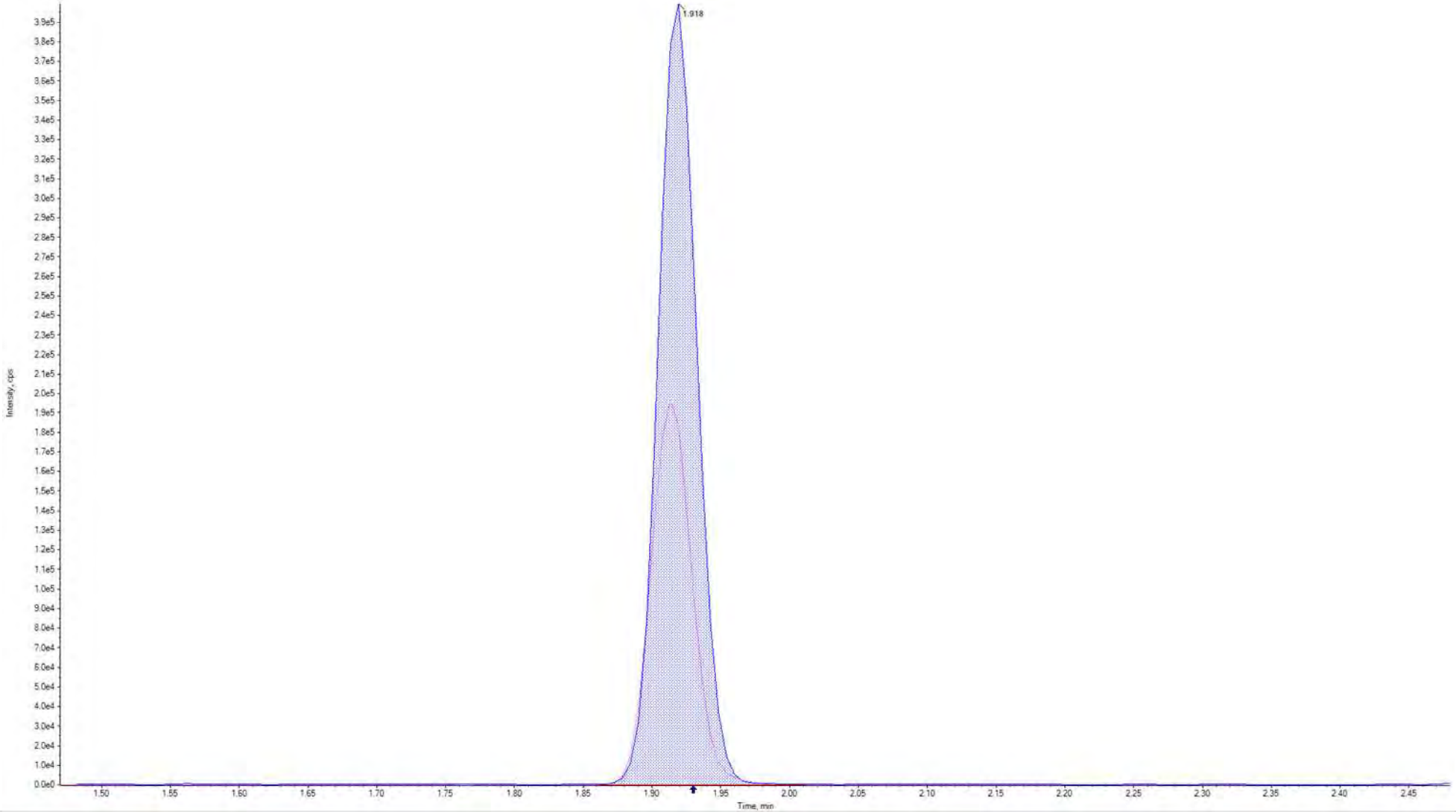

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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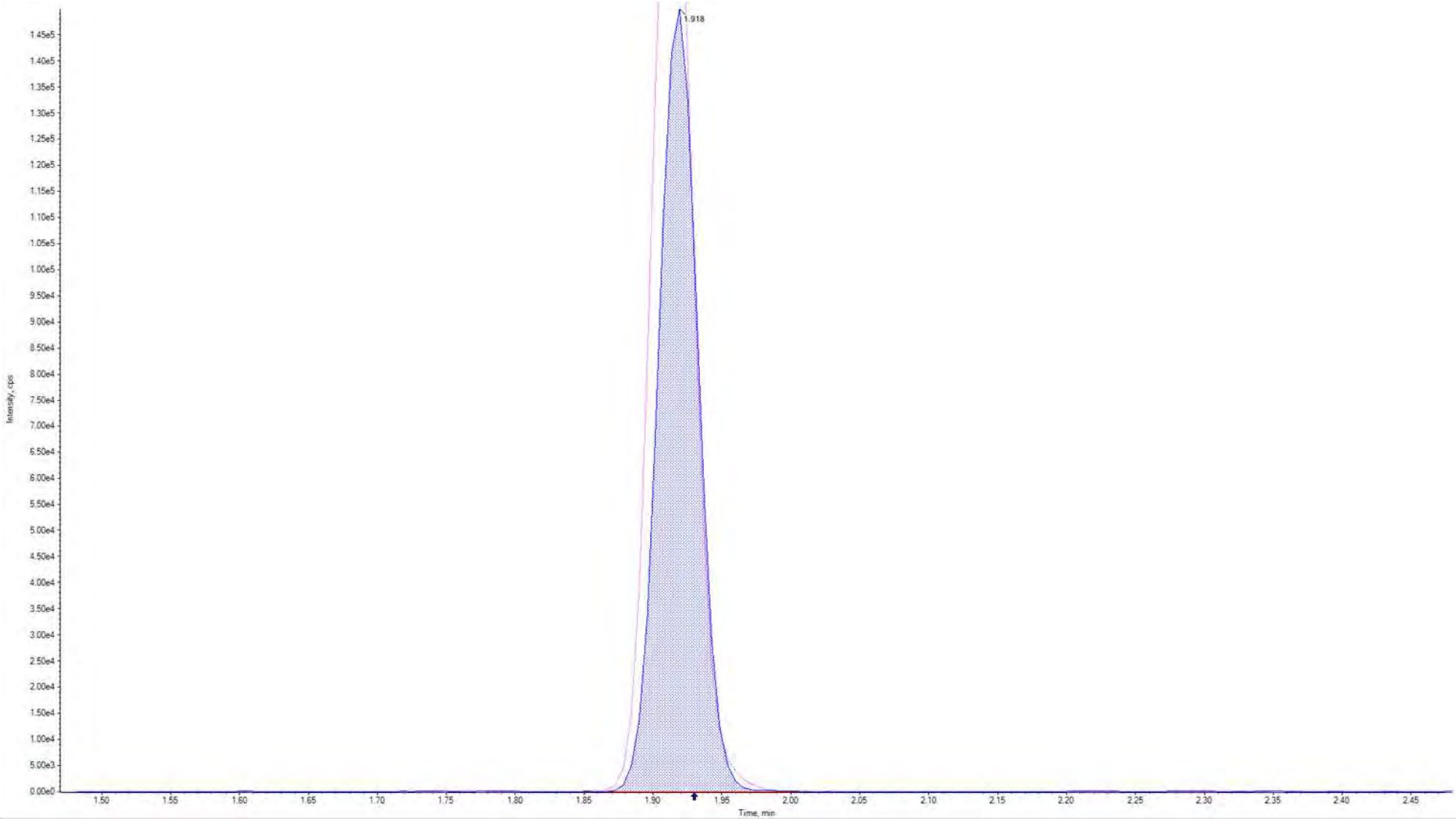
PFBS_2
Sample: WG2038851-2,1633FMED S/N:2839.3 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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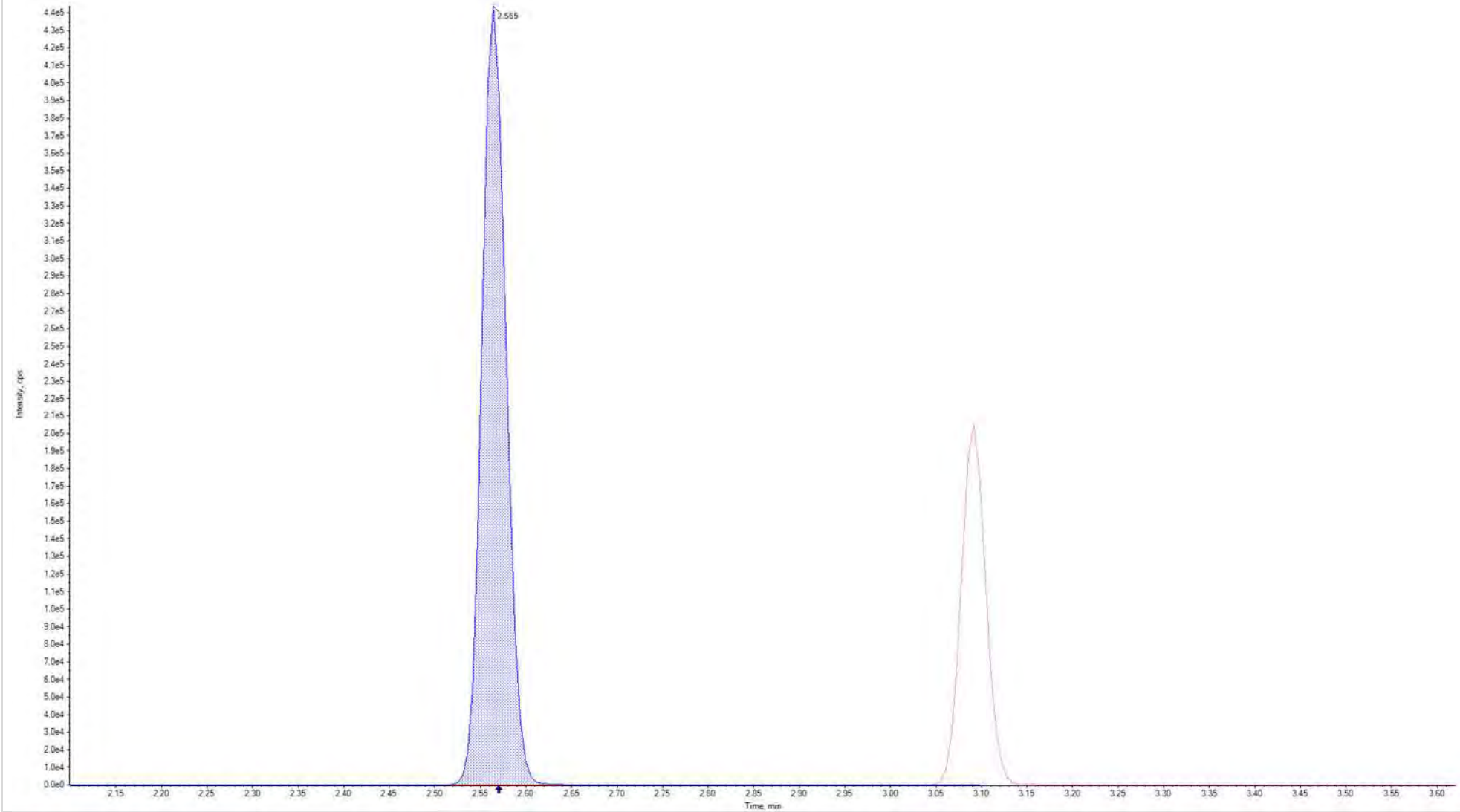
Generated: 3/11/2025 7:33:31 AM

PFPeS
Sample: WG2038851-2,1633FMED S/N:8898.5 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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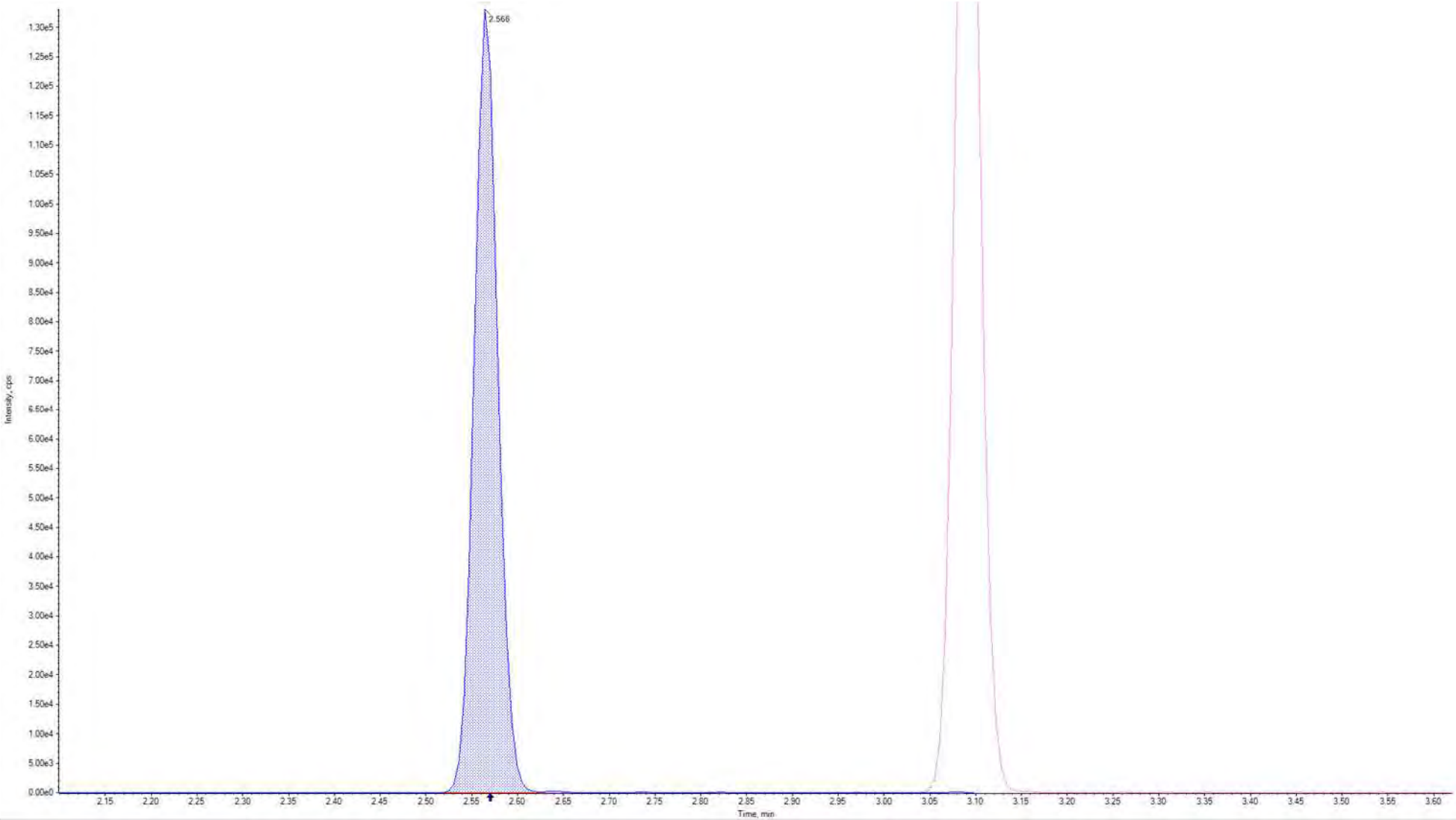
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFPeS_2
Sample: WG2038851-2,1633FMED S/N:2668.7 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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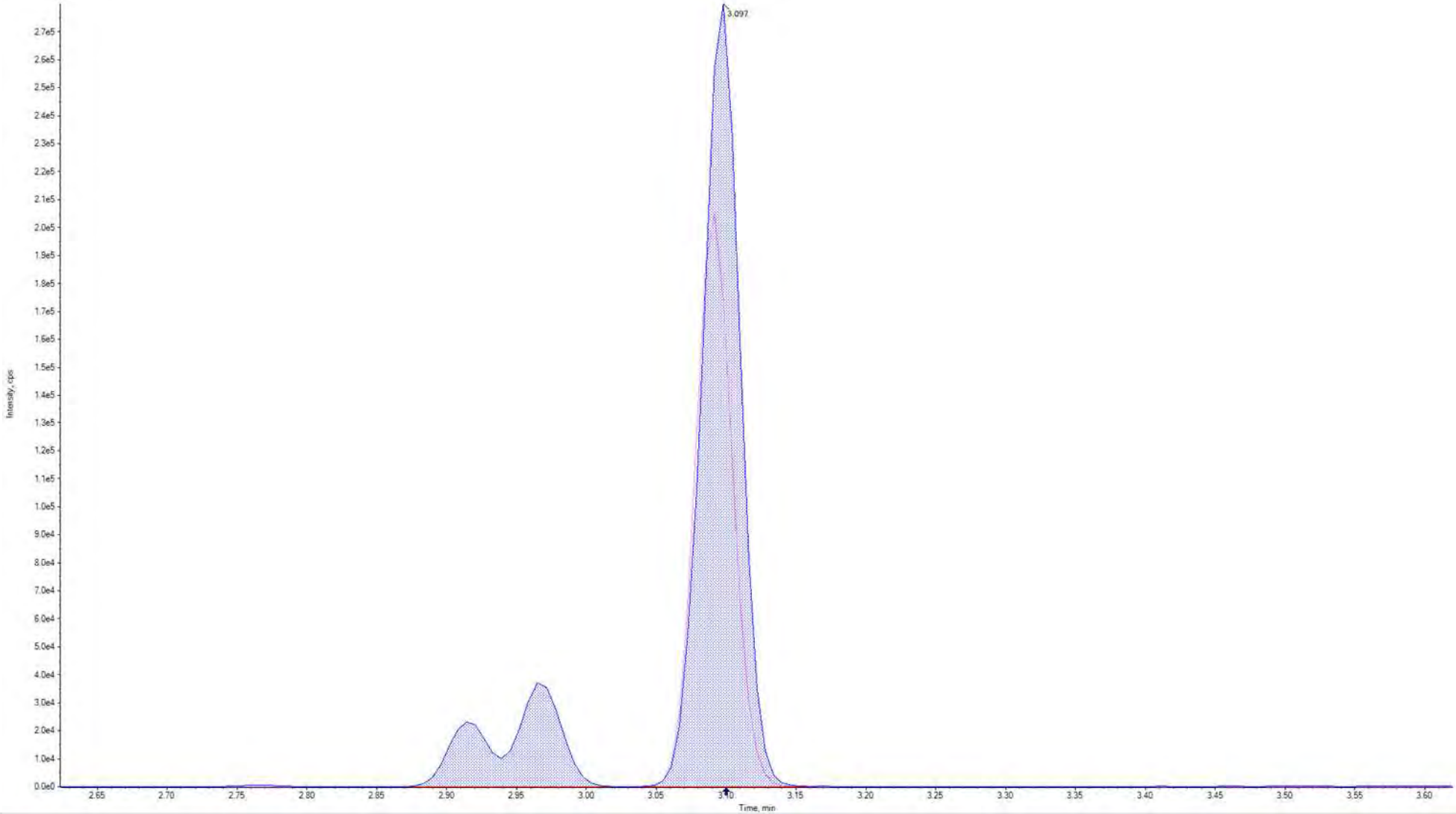
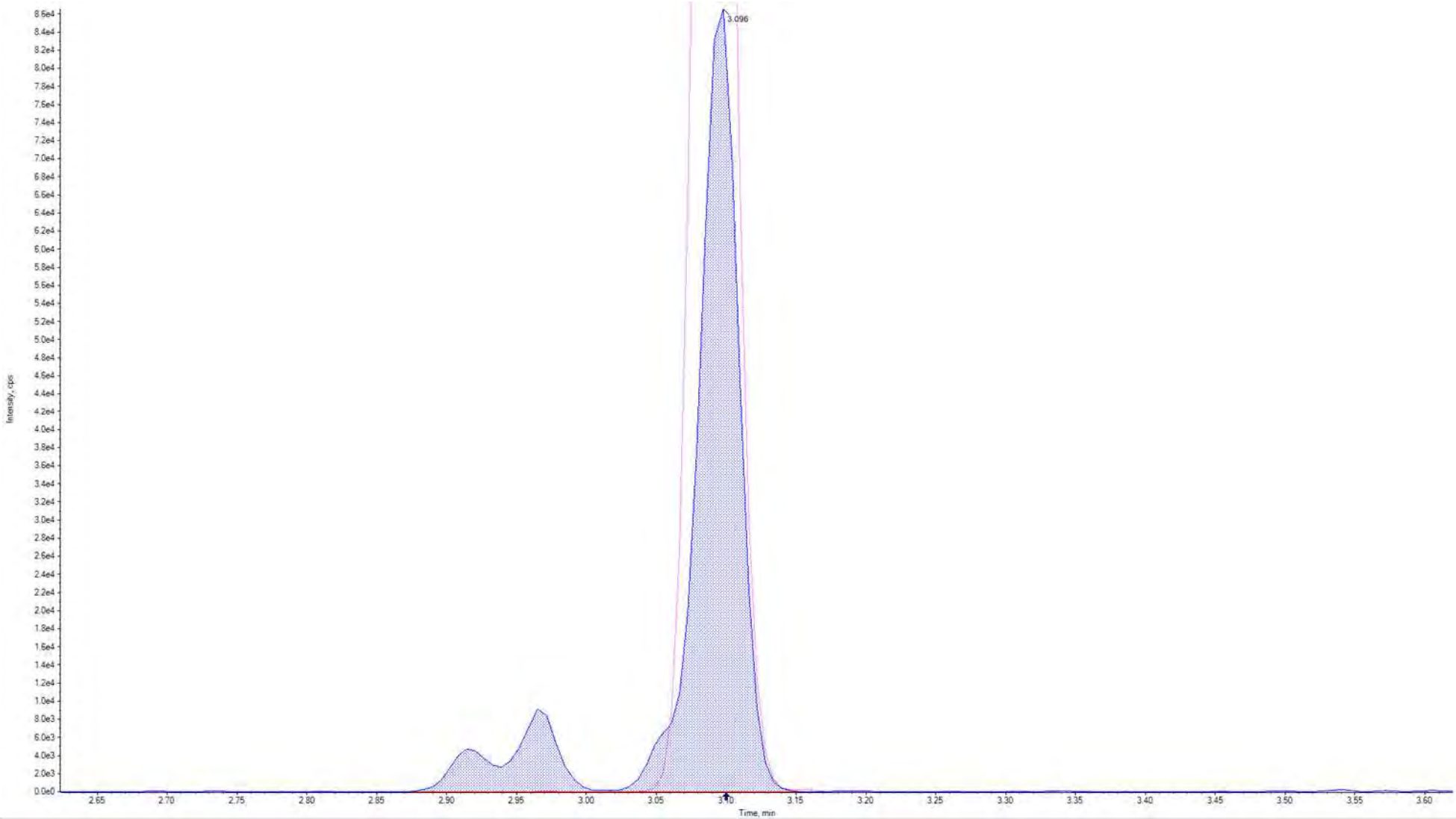
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFHxS
Sample: WG2038851-2,1633FMED S/N:935.8 Points Across peak:50



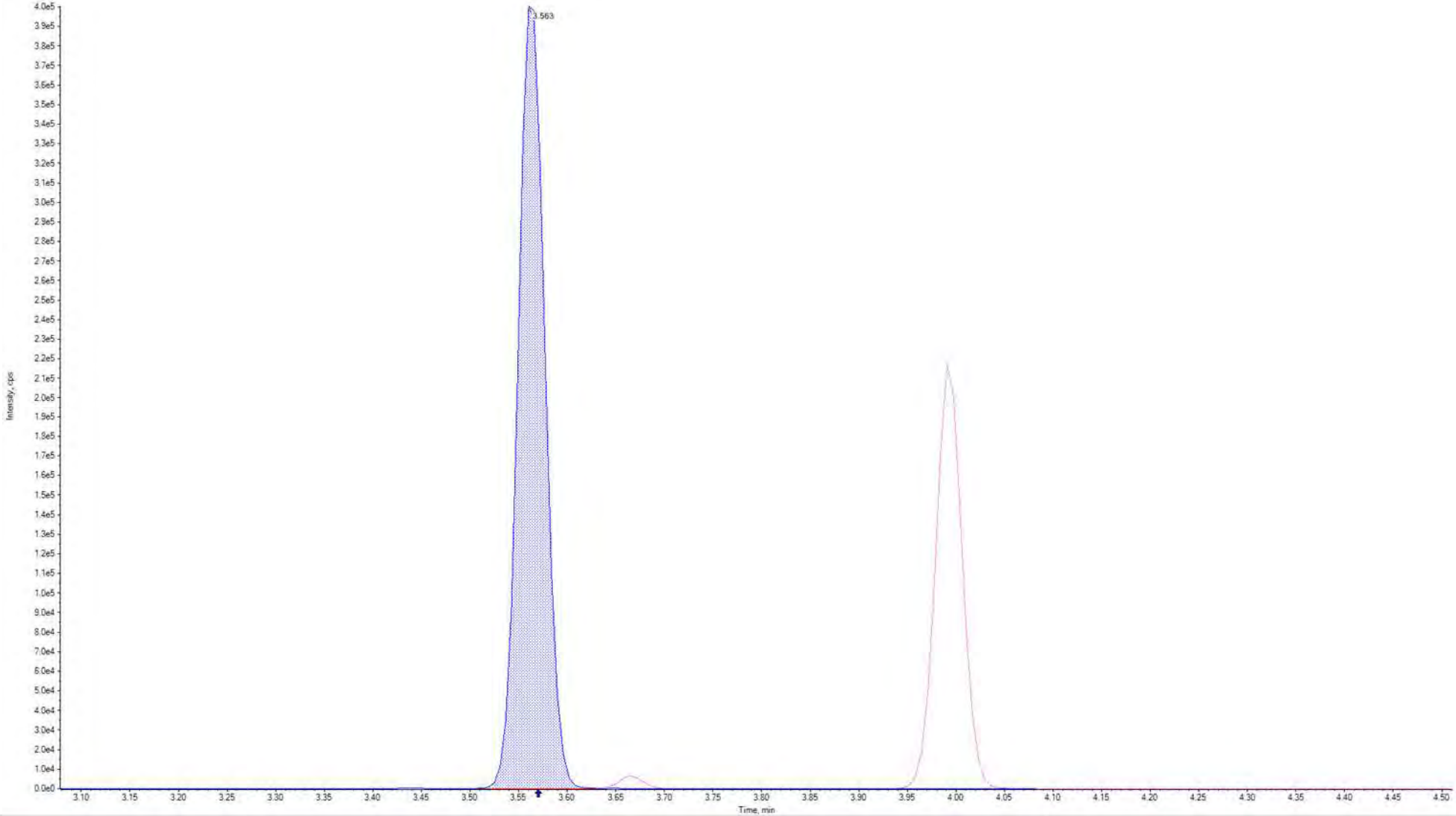
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFHxS_2
Sample: WG2038851-2,1633FMED S/N:1112.8 Points Across peak:51



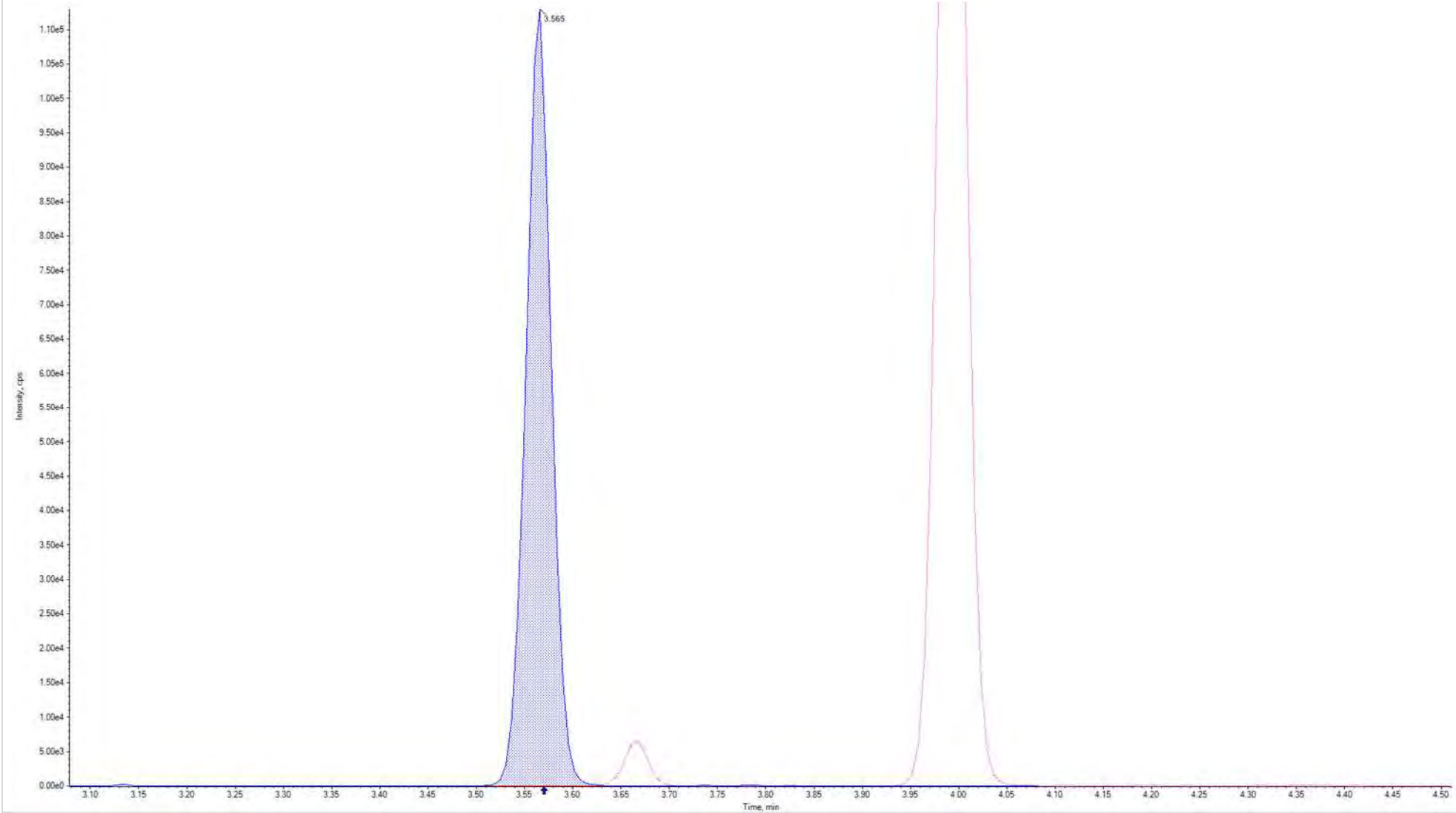
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFHpS
Sample: WG2038851-2,1633FMED S/N:8028.2 Points Across peak:28



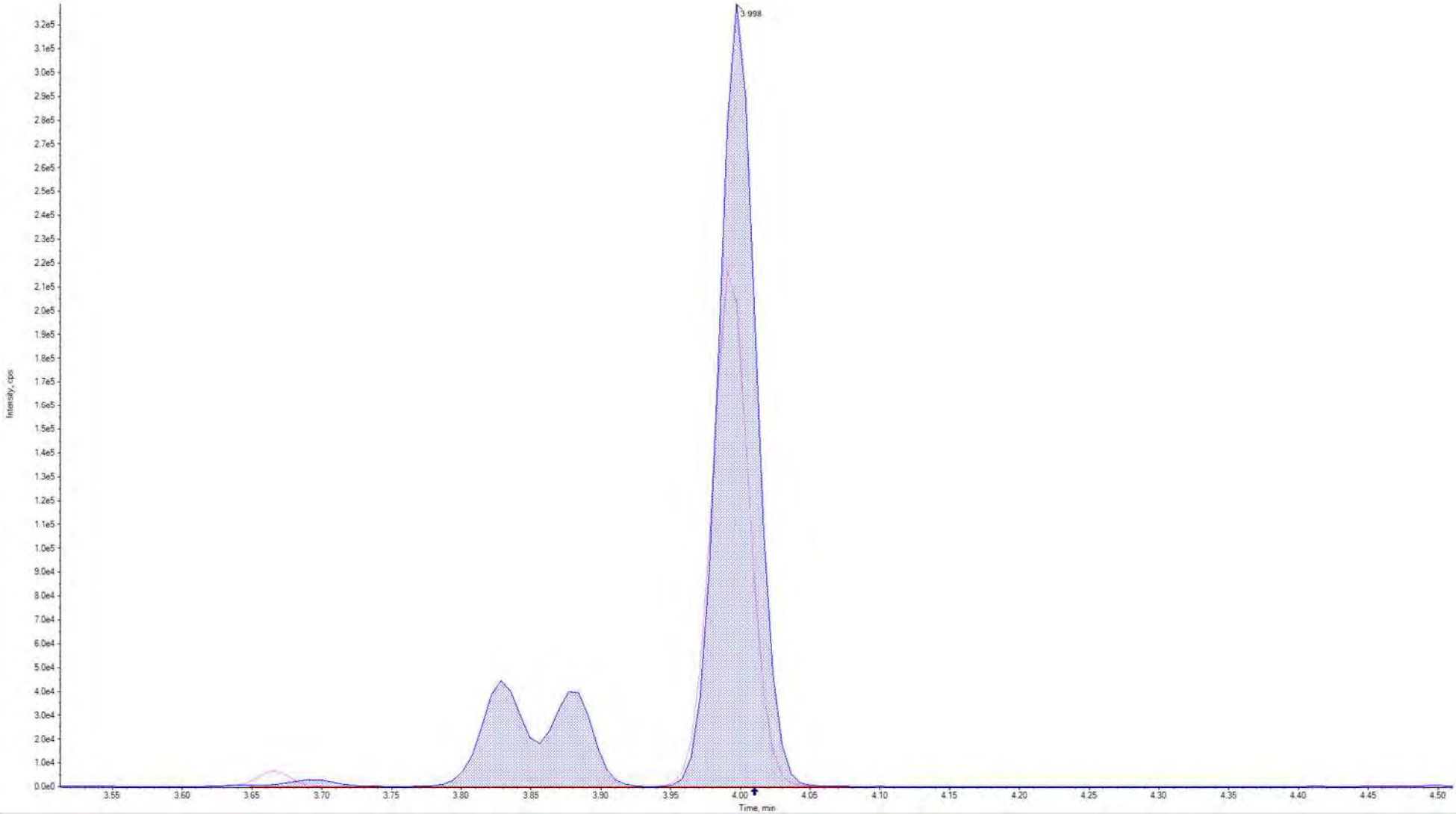
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFHpS_2
Sample: WG2038851-2,1633FMED S/N:2265.6 Points Across peak:27



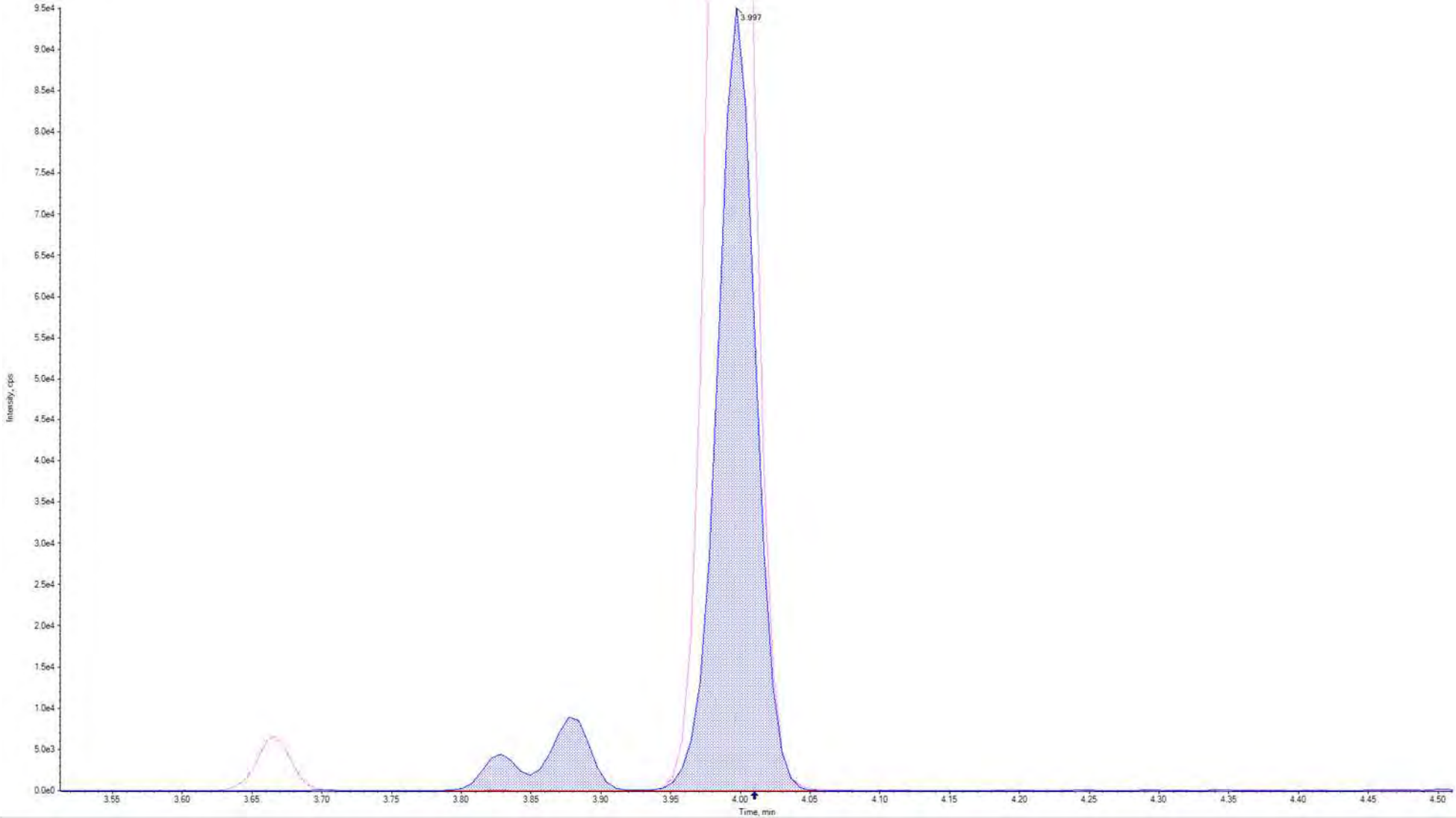
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFOS
Sample: WG2038851-2,1633FMED S/N:562.7 Points Across peak:72



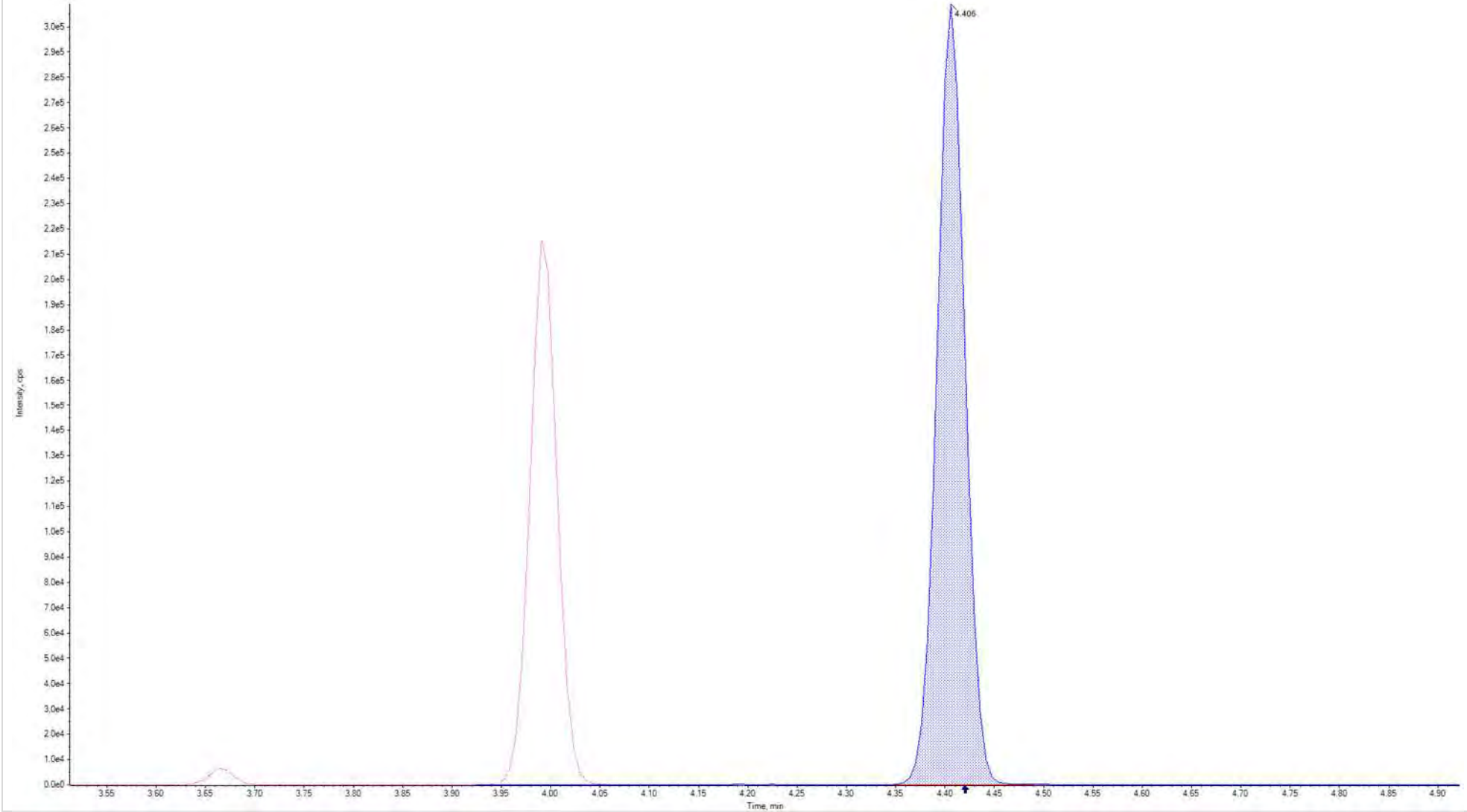
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFOS_2
Sample: WG2038851-2,1633FMED S/N:940.2 Points Across peak:43



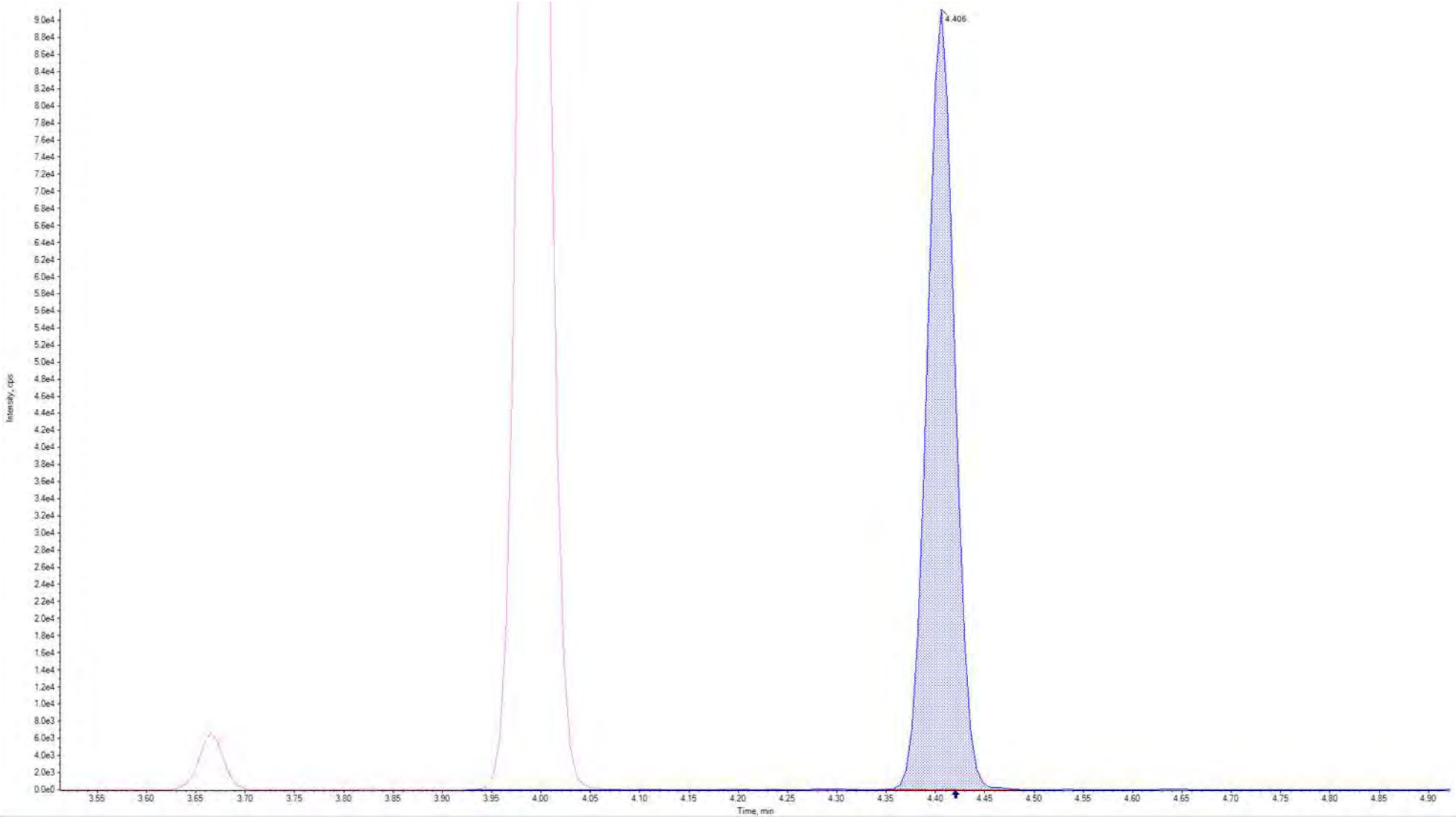
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFNS
Sample: WG2038851-2,1633FMED S/N:4817.0 Points Across peak:28



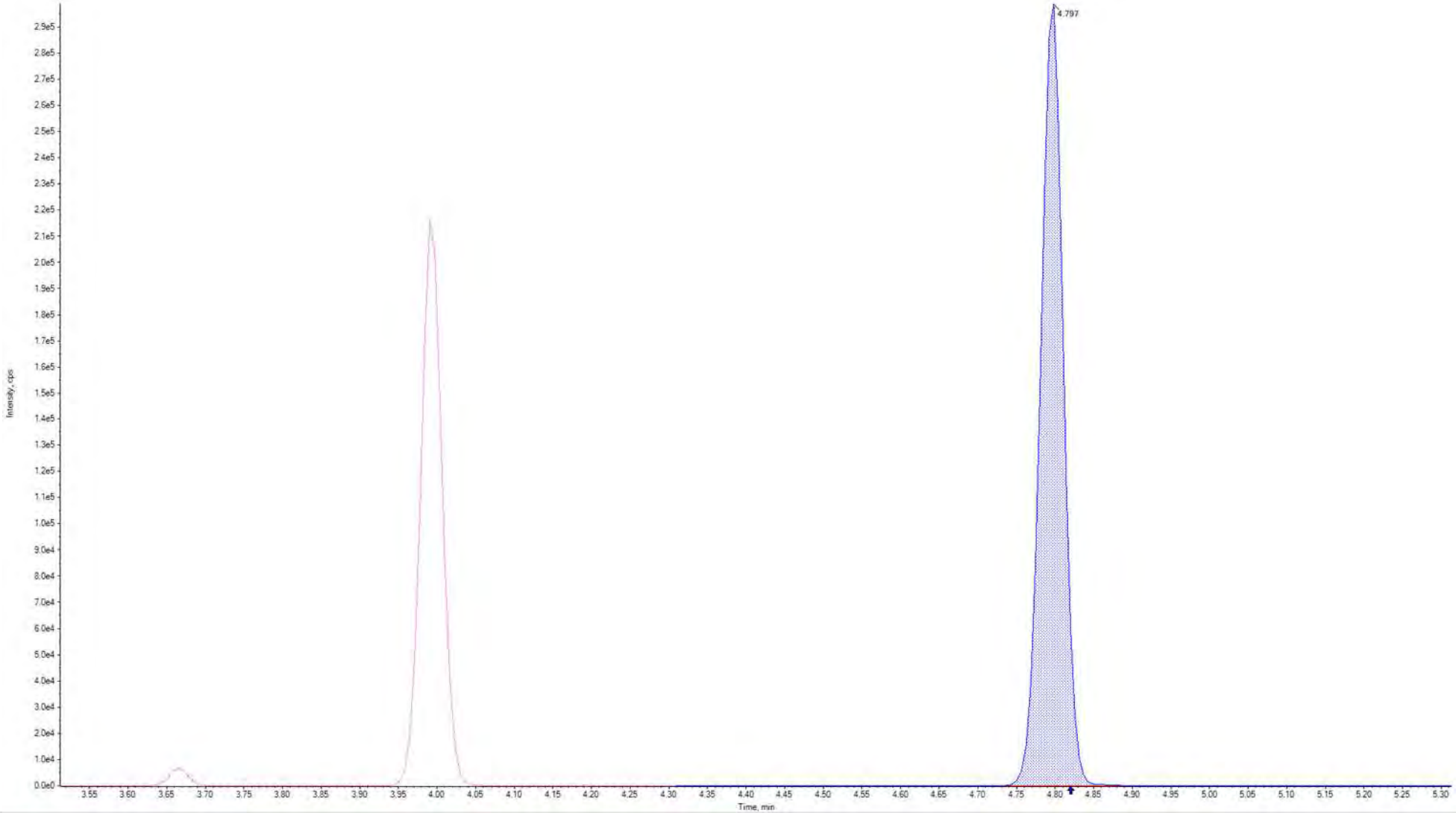
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFNS_2
Sample: WG2038851-2,1633FMED S/N:2288.3 Points Across peak:31



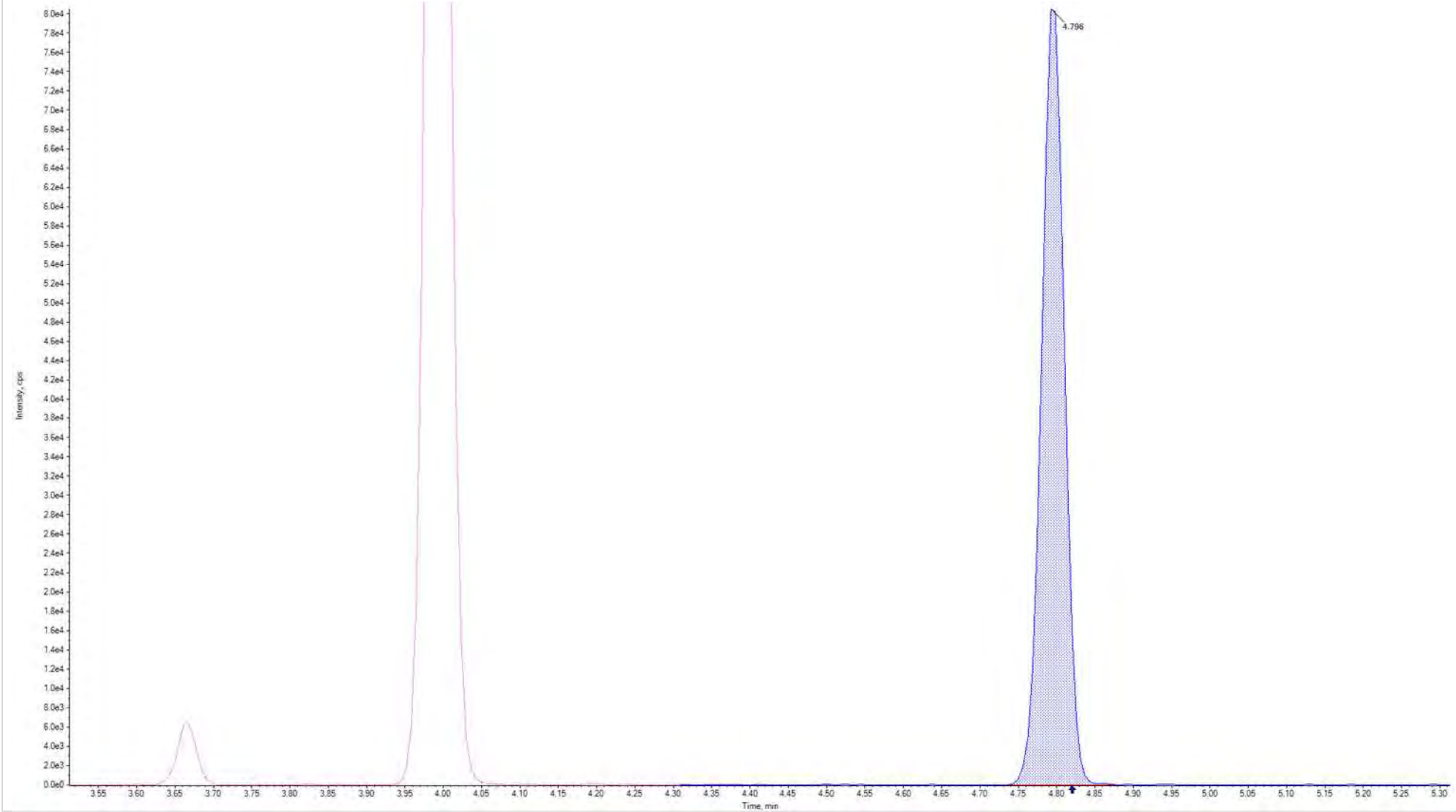
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFDS
Sample: WG2038851-2,1633FMED S/N:10483.2 Points Across peak:40



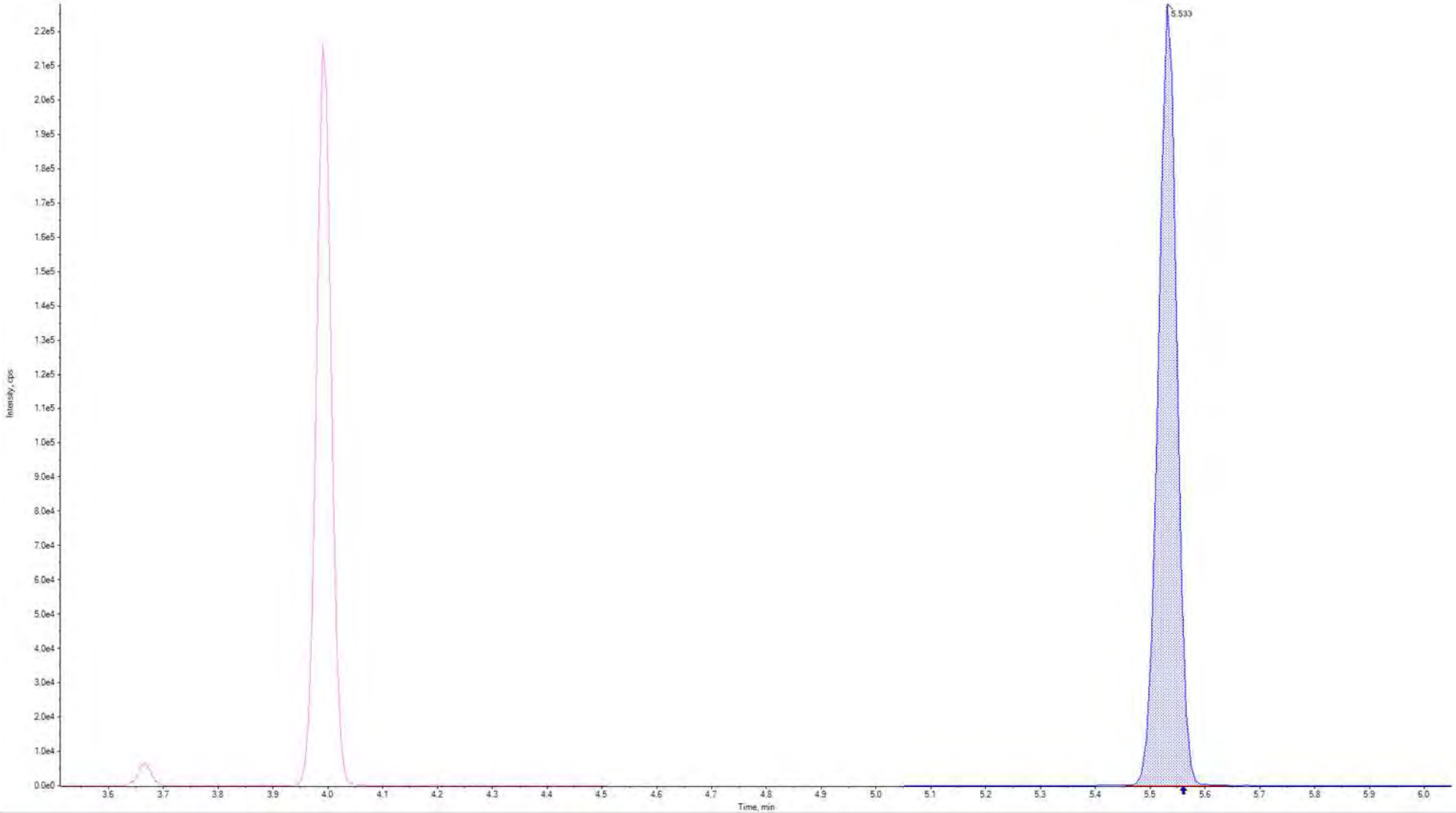
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFDS_2
Sample: WG2038851-2,1633FMED S/N:2824.4 Points Across peak:29



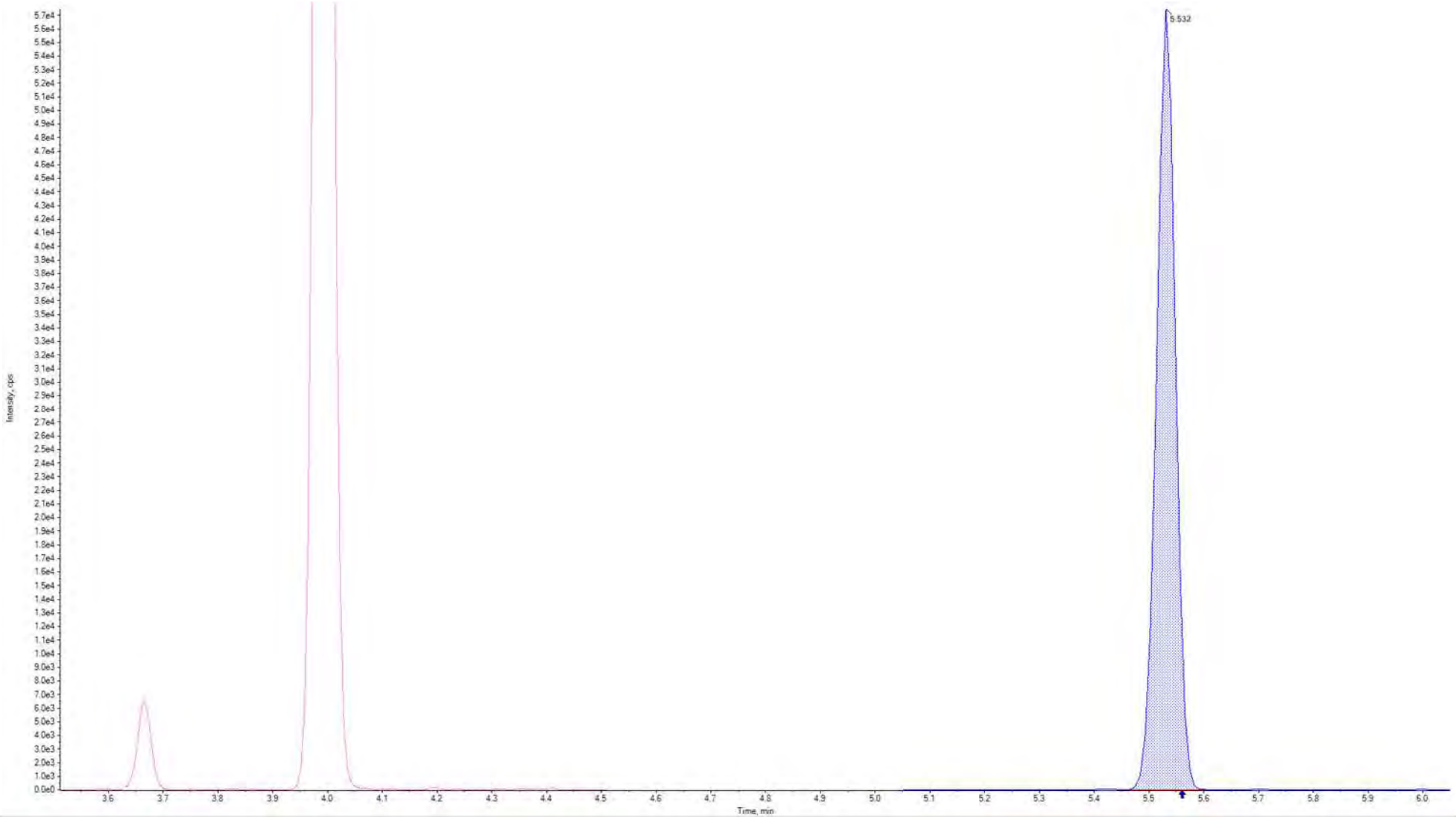
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFDoS
Sample: WG2038851-2,1633FMED S/N:6154.1 Points Across peak:23



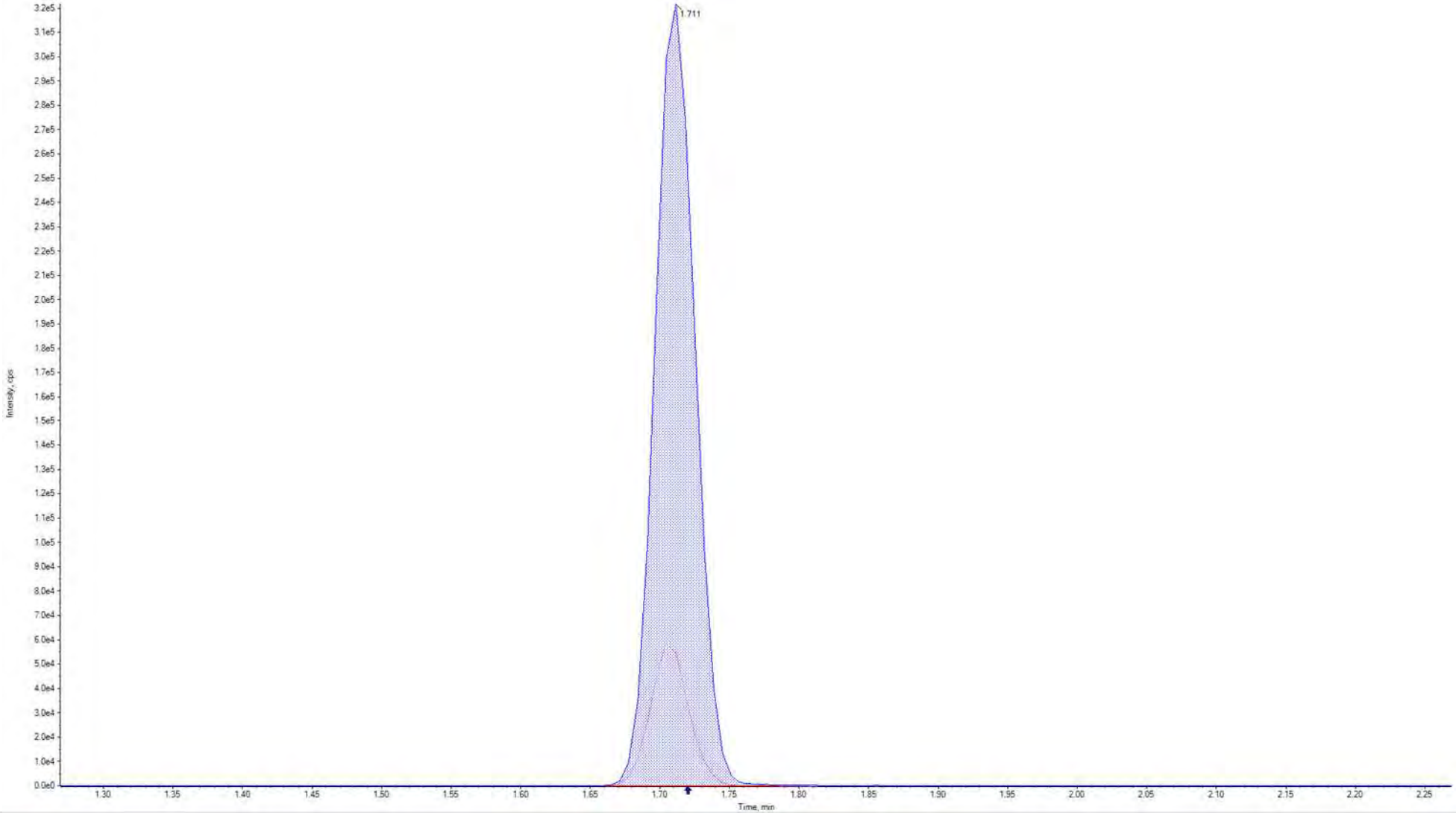
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFDoS_2
Sample: WG2038851-2,1633FMED S/N:2667.3 Points Across peak:21



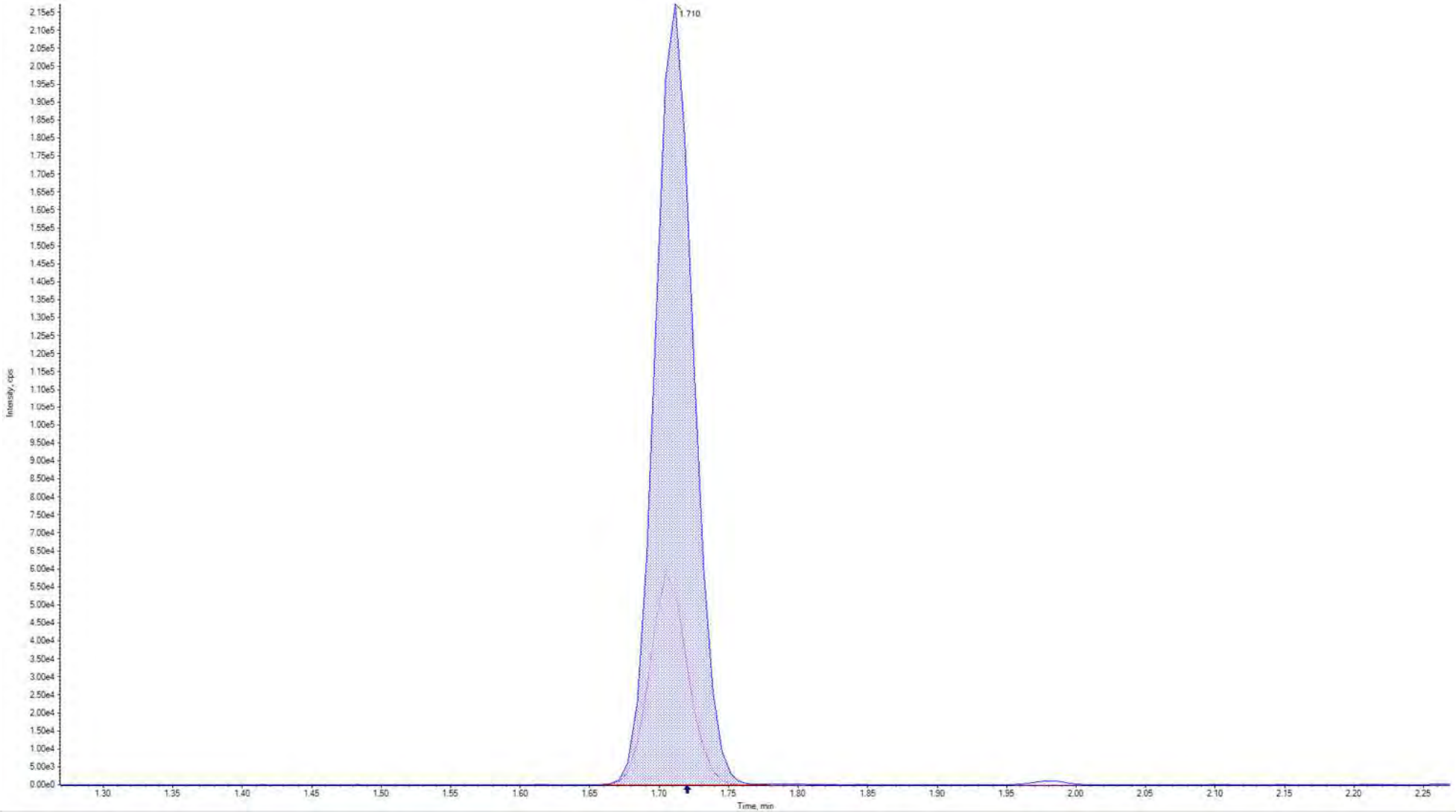
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

4:2FTS
Sample: WG2038851-2,1633FMED S/N:7292.8 Points Across peak:22



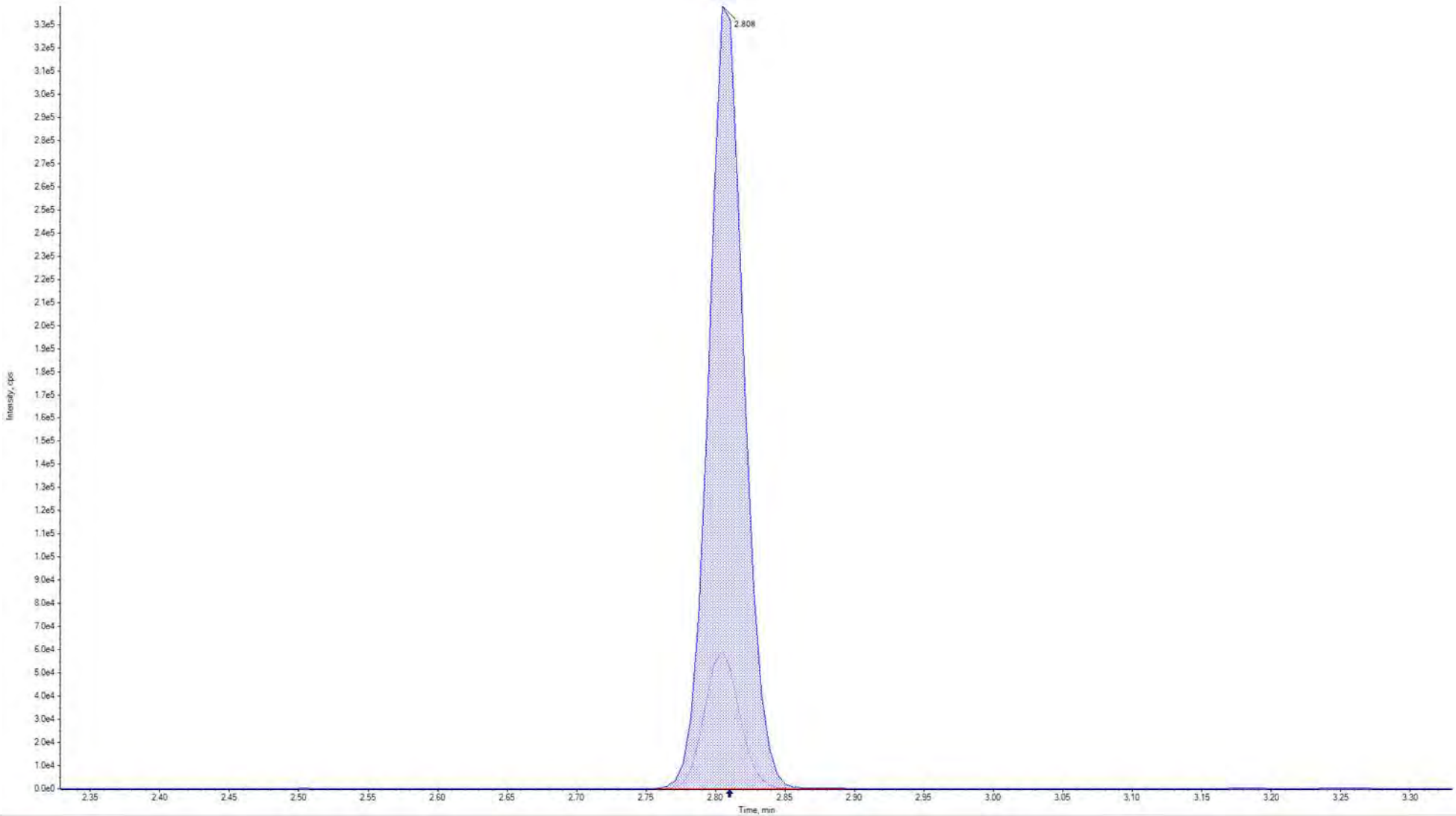
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

4:2FTS_2
Sample: WG2038851-2,1633FMED S/N:5591.0 Points Across peak:28



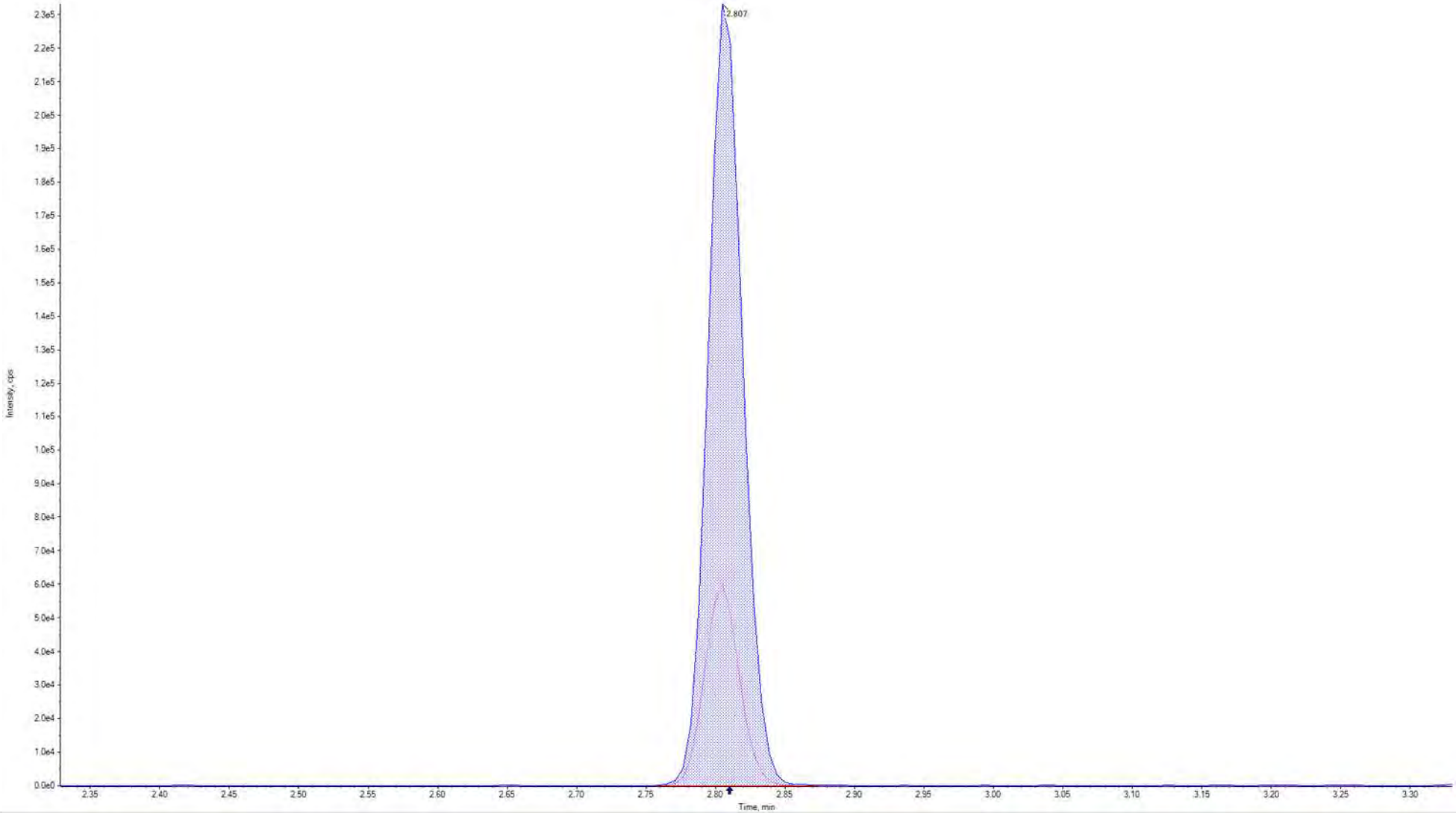
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

6:2FTS
Sample: WG2038851-2,1633FMED S/N:3745.5 Points Across peak:30



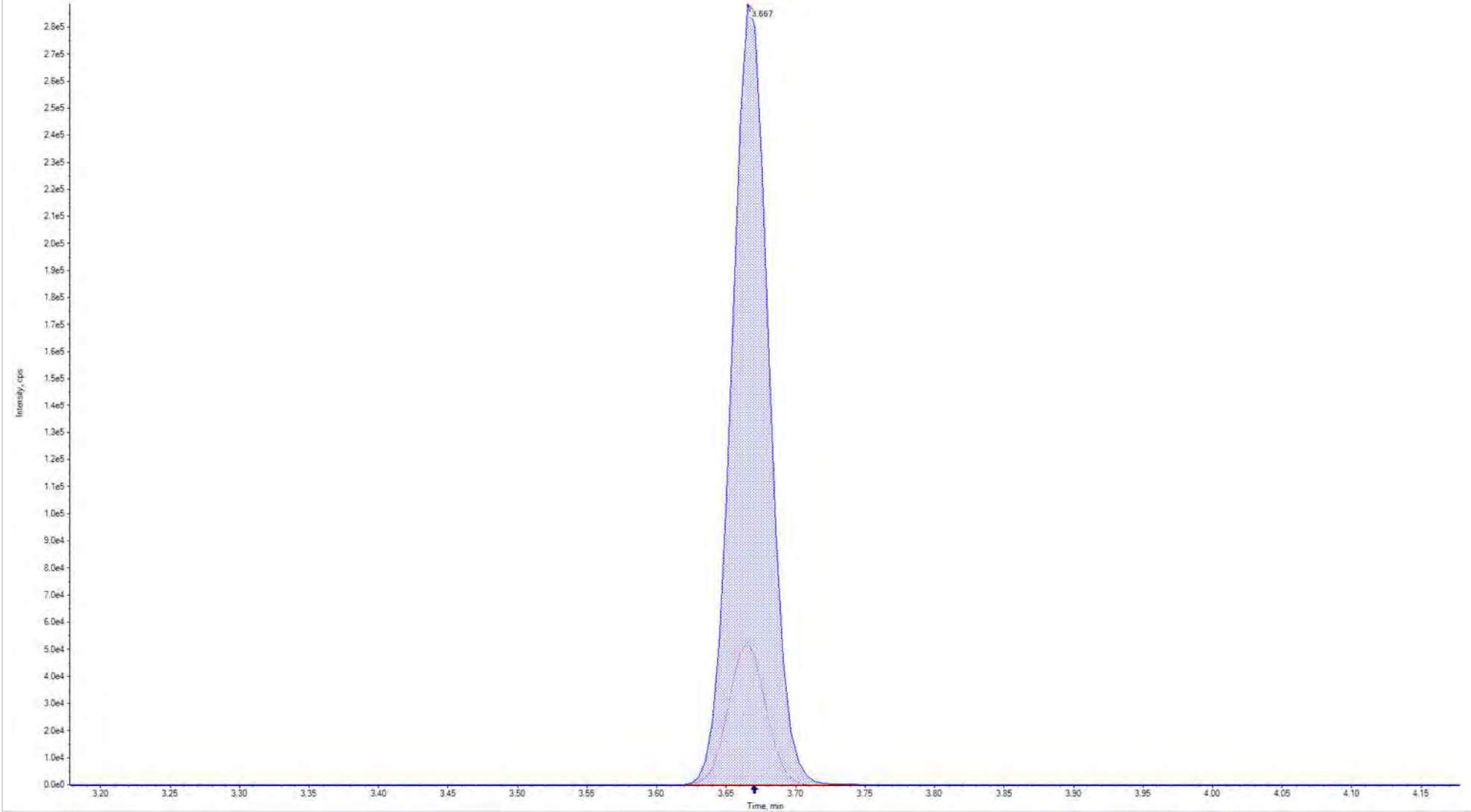
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

6:2FTS_2
Sample: WG2038851-2,1633FMED S/N:4676.2 Points Across peak:23



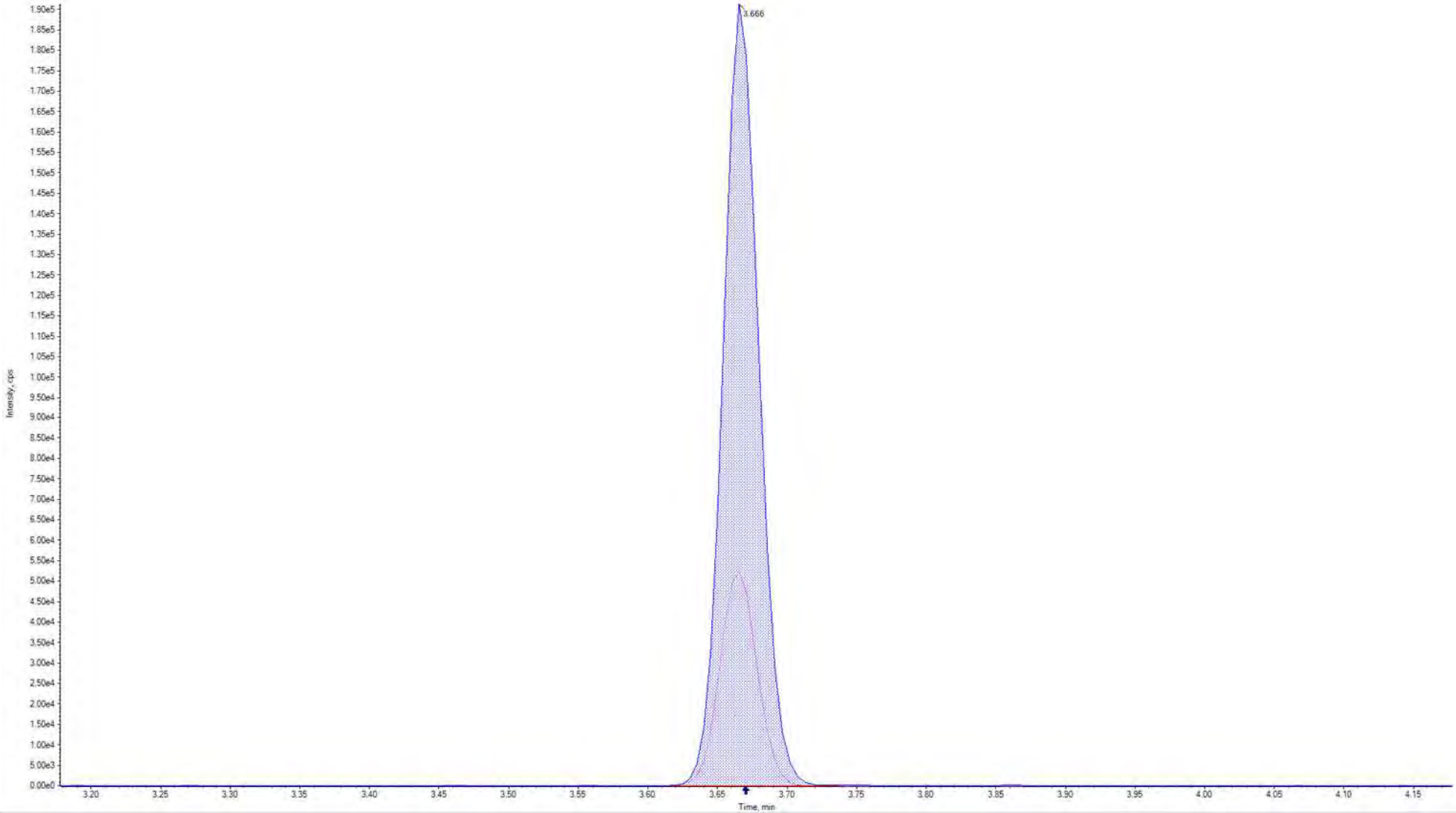
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

8:2FTS
Sample: WG2038851-2,1633FMED S/N:5785.3 Points Across peak:39



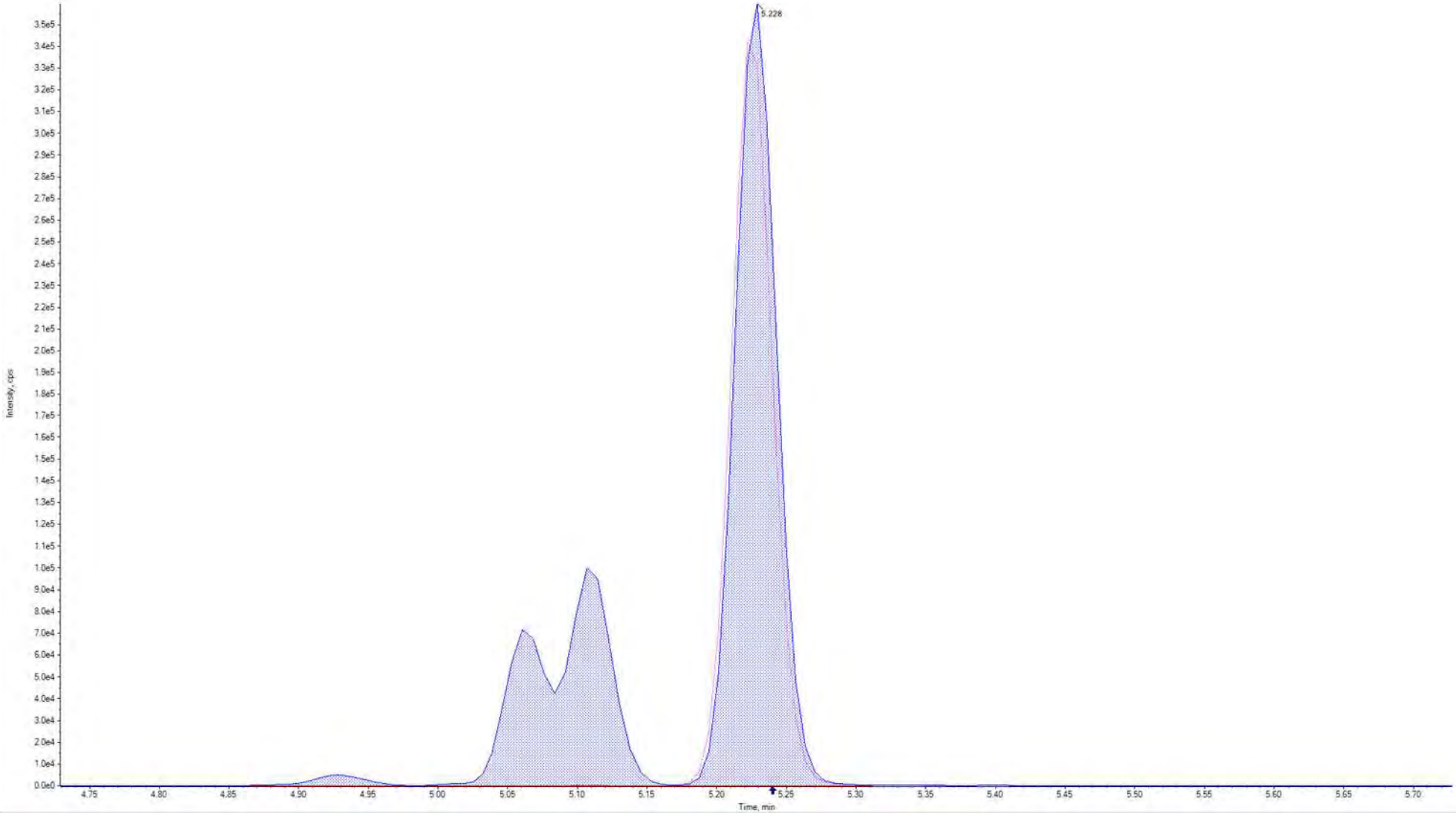
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

8:2FTS_2
Sample: WG2038851-2,1633FMED S/N:3837.0 Points Across peak:25



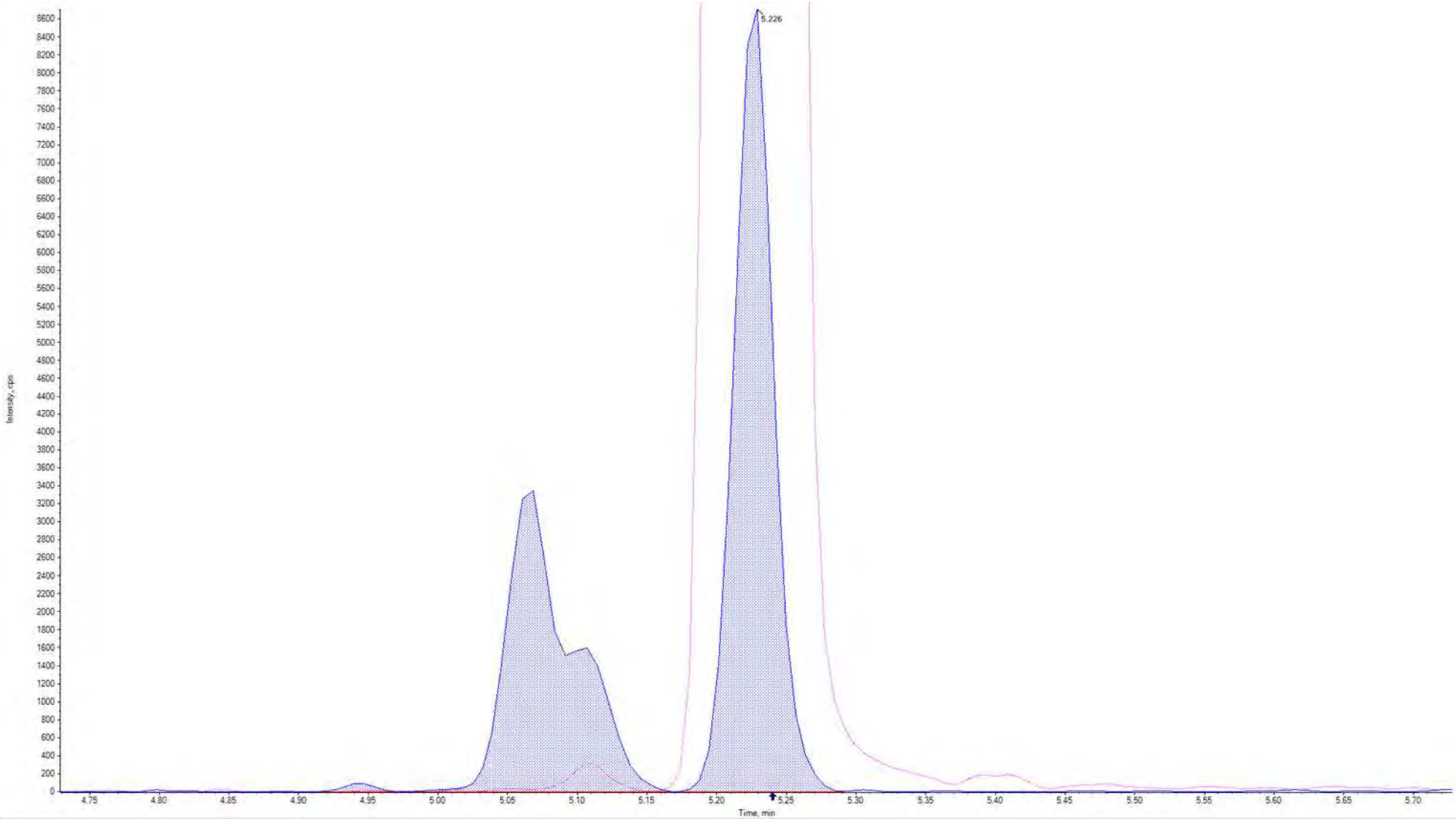
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFOSA
Sample: WG2038851-2,1633FMED S/N:362.8 Points Across peak:69



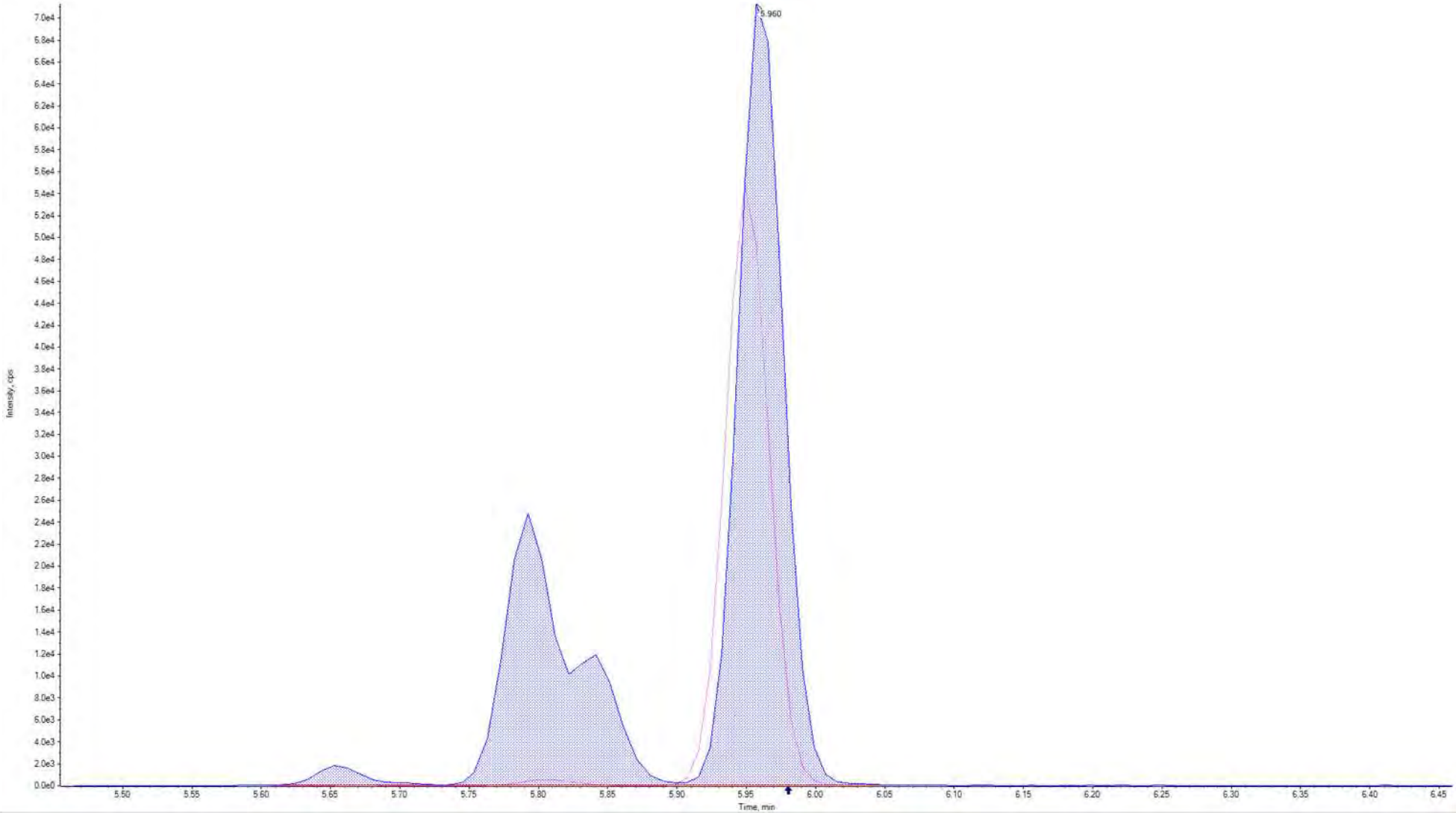
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFOSA_2
Sample: WG2038851-2,1633FMED S/N:380.3 Points Across peak:57



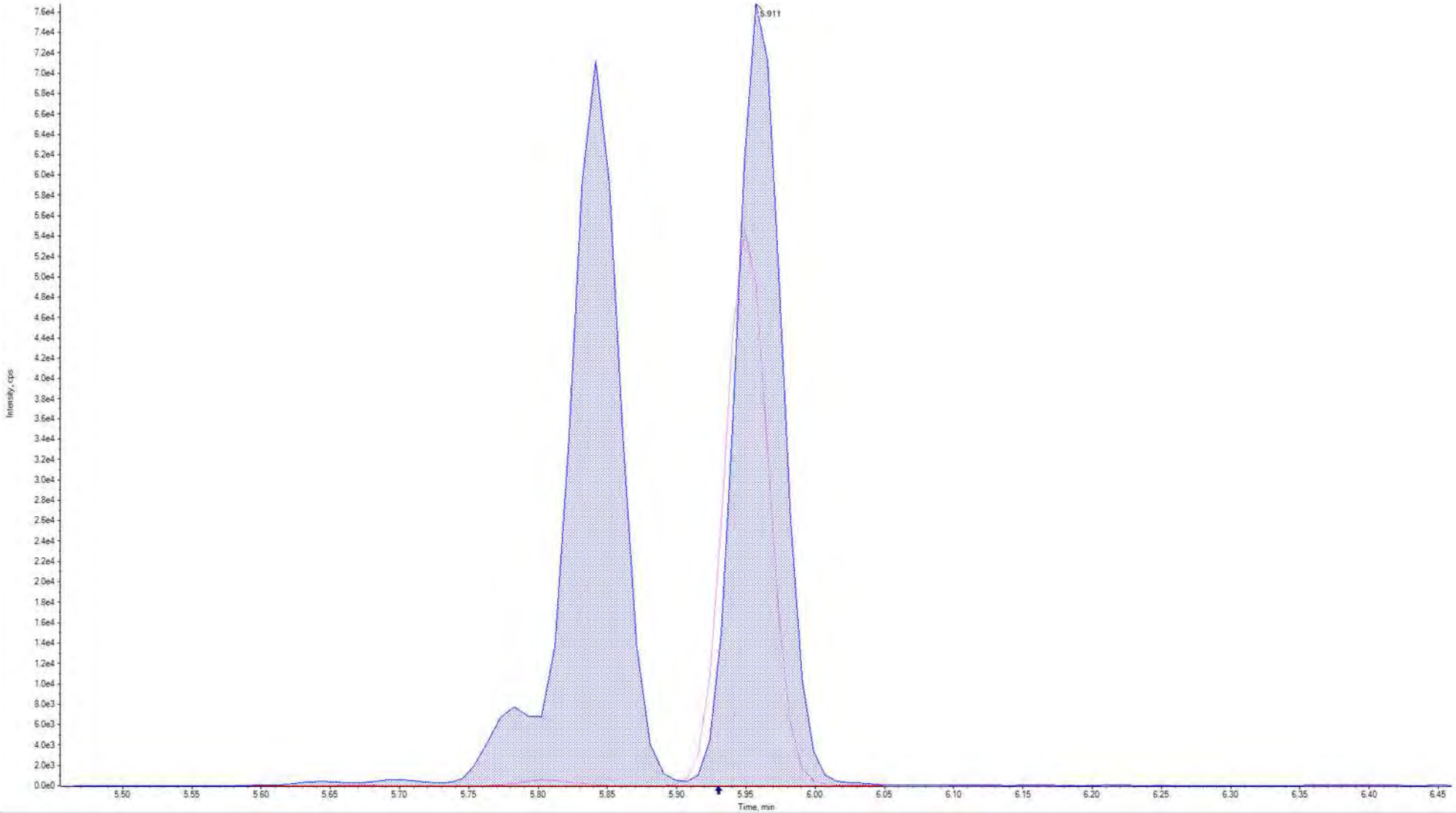
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

NMeFOSA
Sample: WG2038851-2,1633FMED S/N:315.2 Points Across peak:53



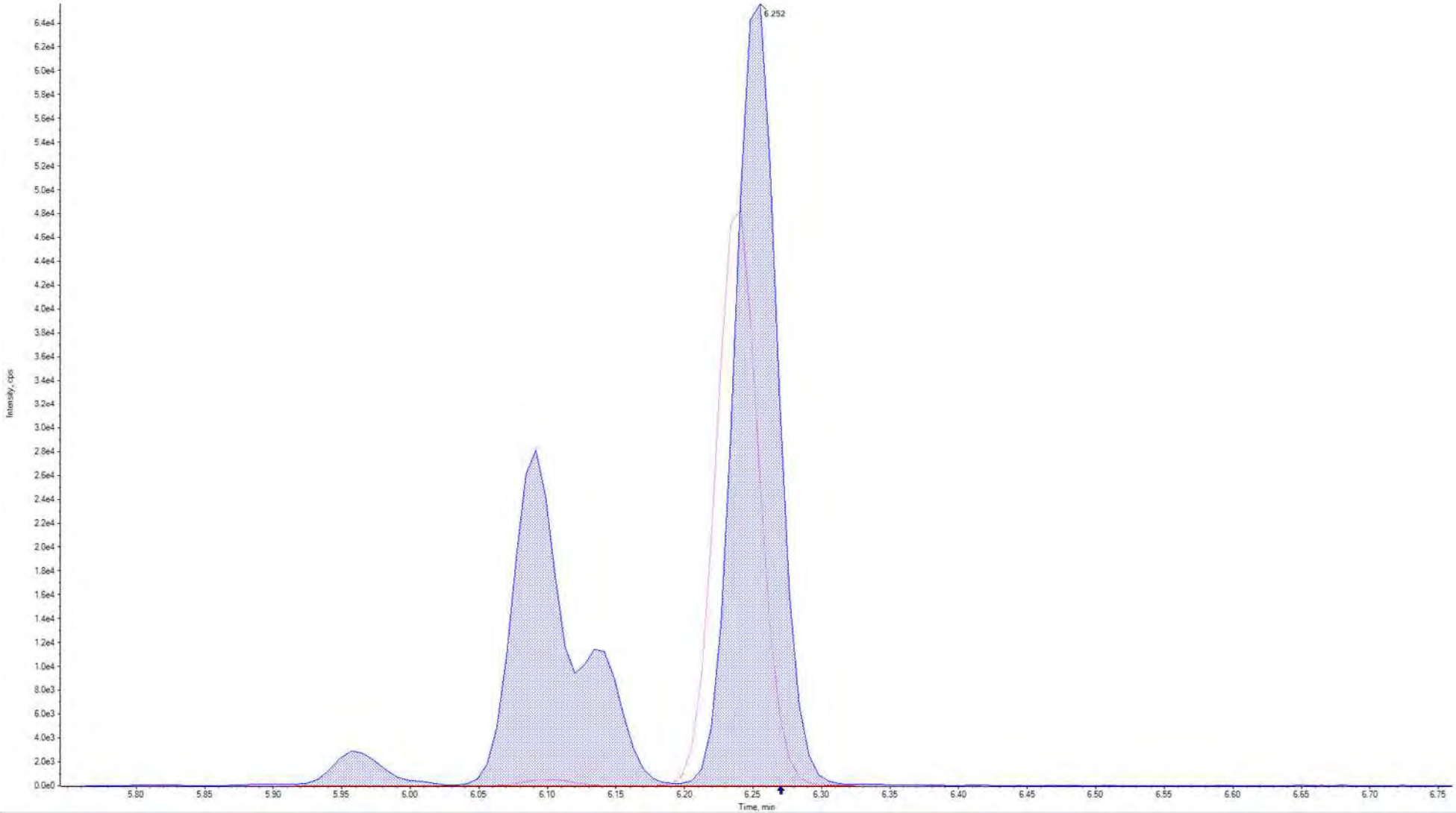
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

NMeFOSA_2
Sample: WG2038851-2,1633FMED S/N:262.0 Points Across peak:58



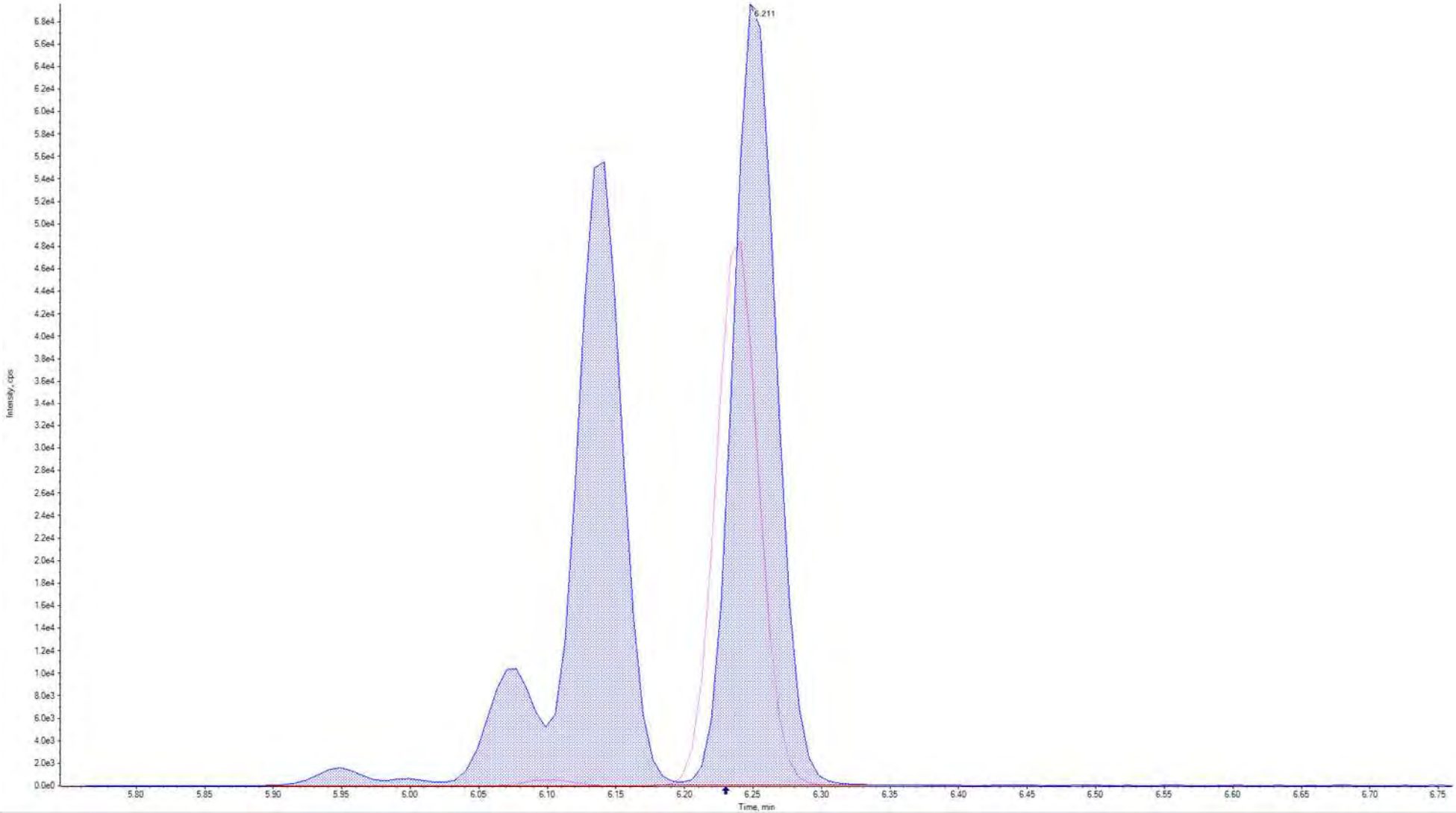
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

NEtFOSA
Sample: WG2038851-2,1633FMED S/N:661.5 Points Across peak:56



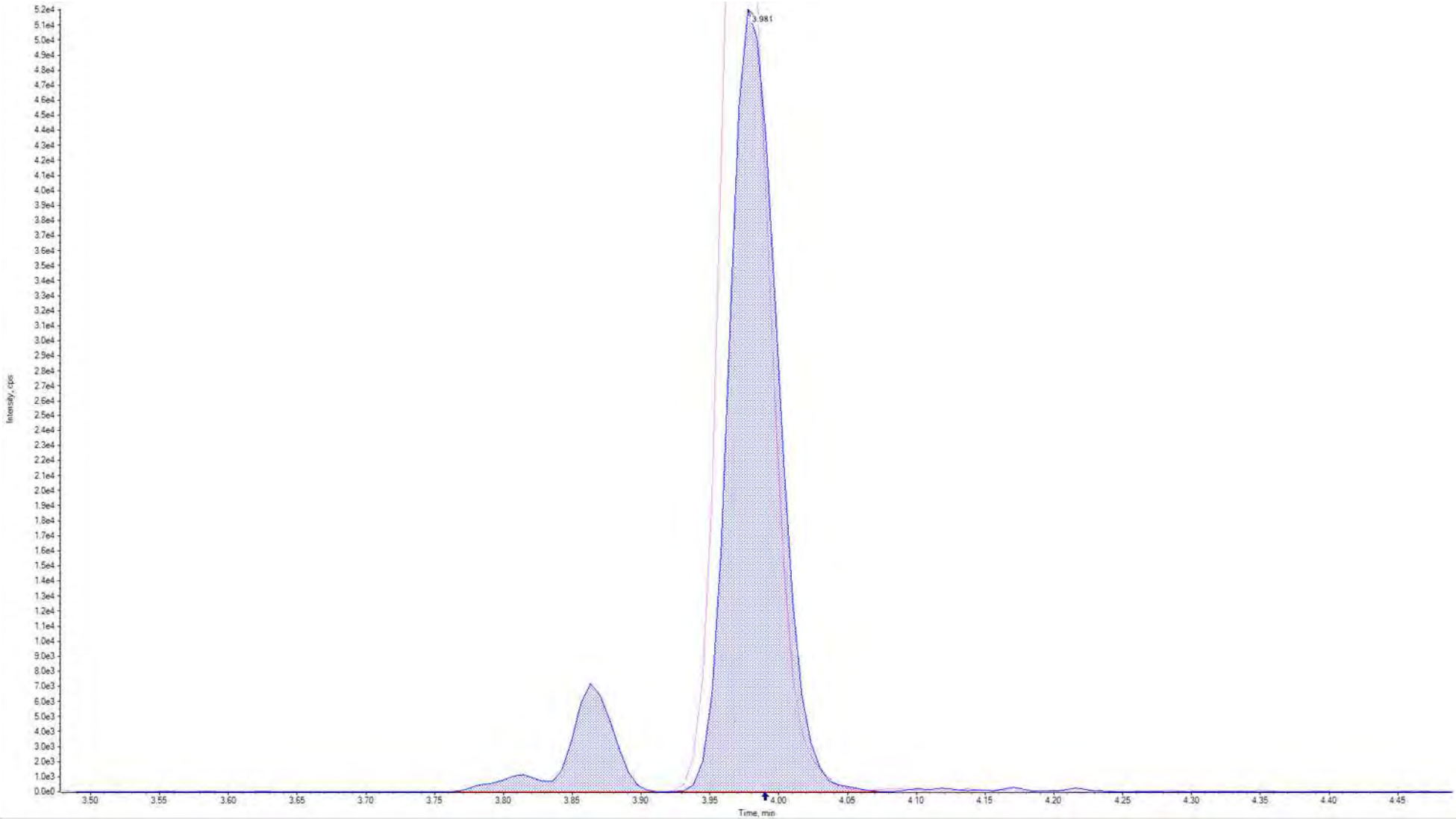
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

NEtFOSA_2
Sample: WG2038851-2,1633FMED S/N:833.9 Points Across peak:69



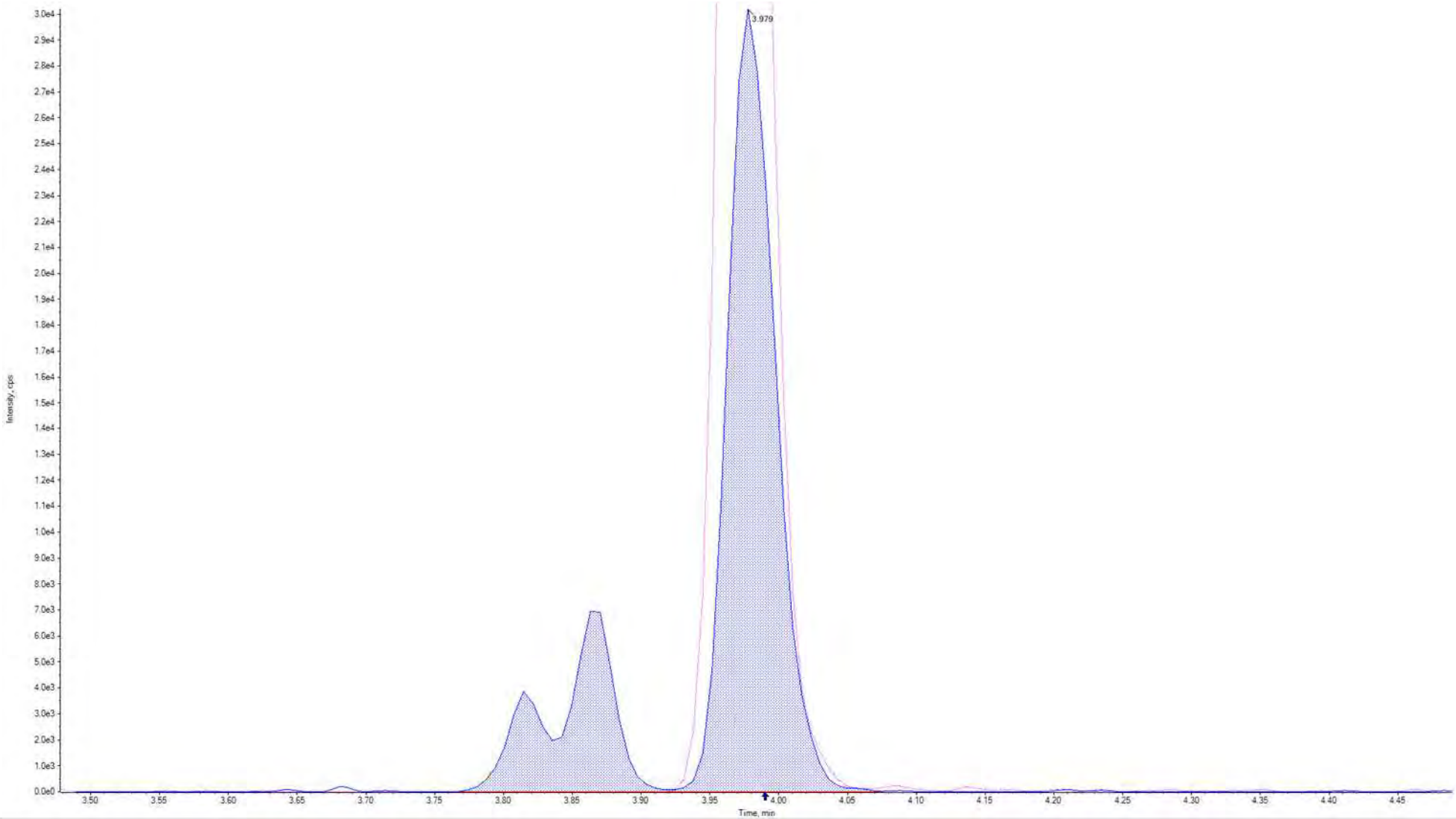
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

NMeFOSAA
Sample: WG2038851-2,1633FMED S/N:400.4 Points Across peak:49



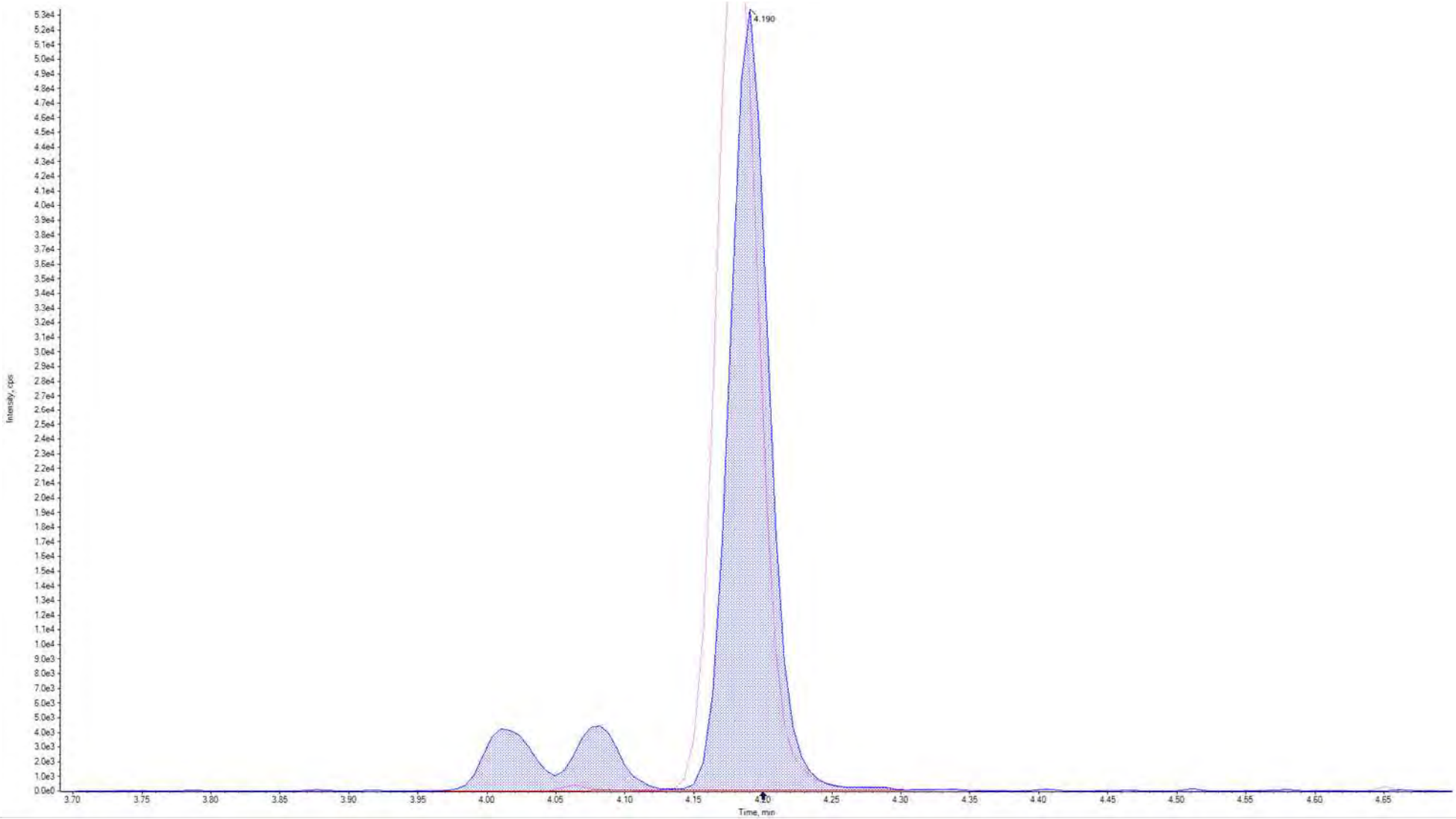
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

NMeFOSAA_2
Sample: WG2038851-2,1633FMED S/N:489.7 Points Across peak:49



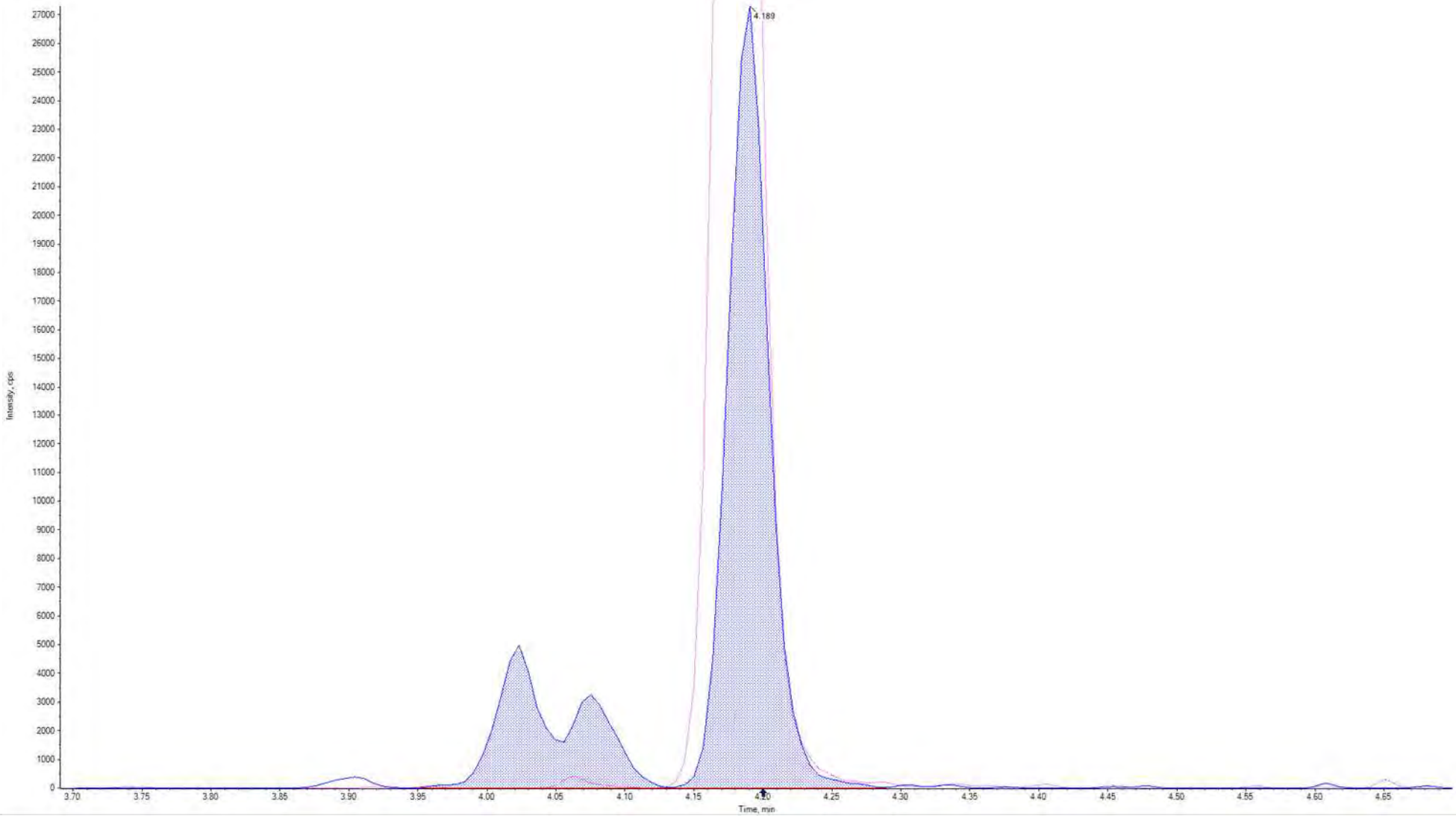
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

NEtFOSAA
Sample: WG2038851-2,1633FMED S/N:558.6 Points Across peak:55



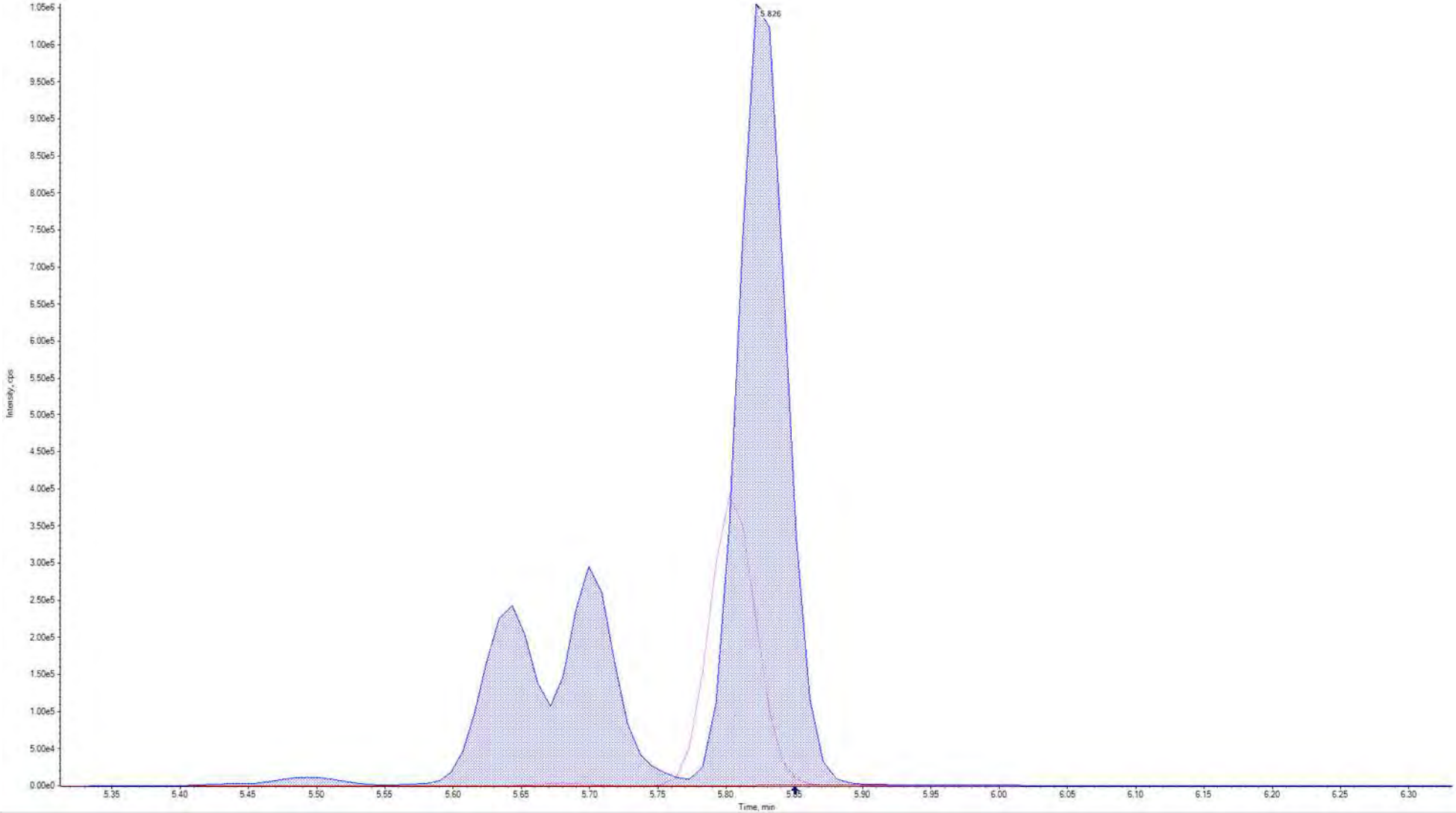
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

NEtFOSAA_2
Sample: WG2038851-2,1633FMED S/N:388.6 Points Across peak:55



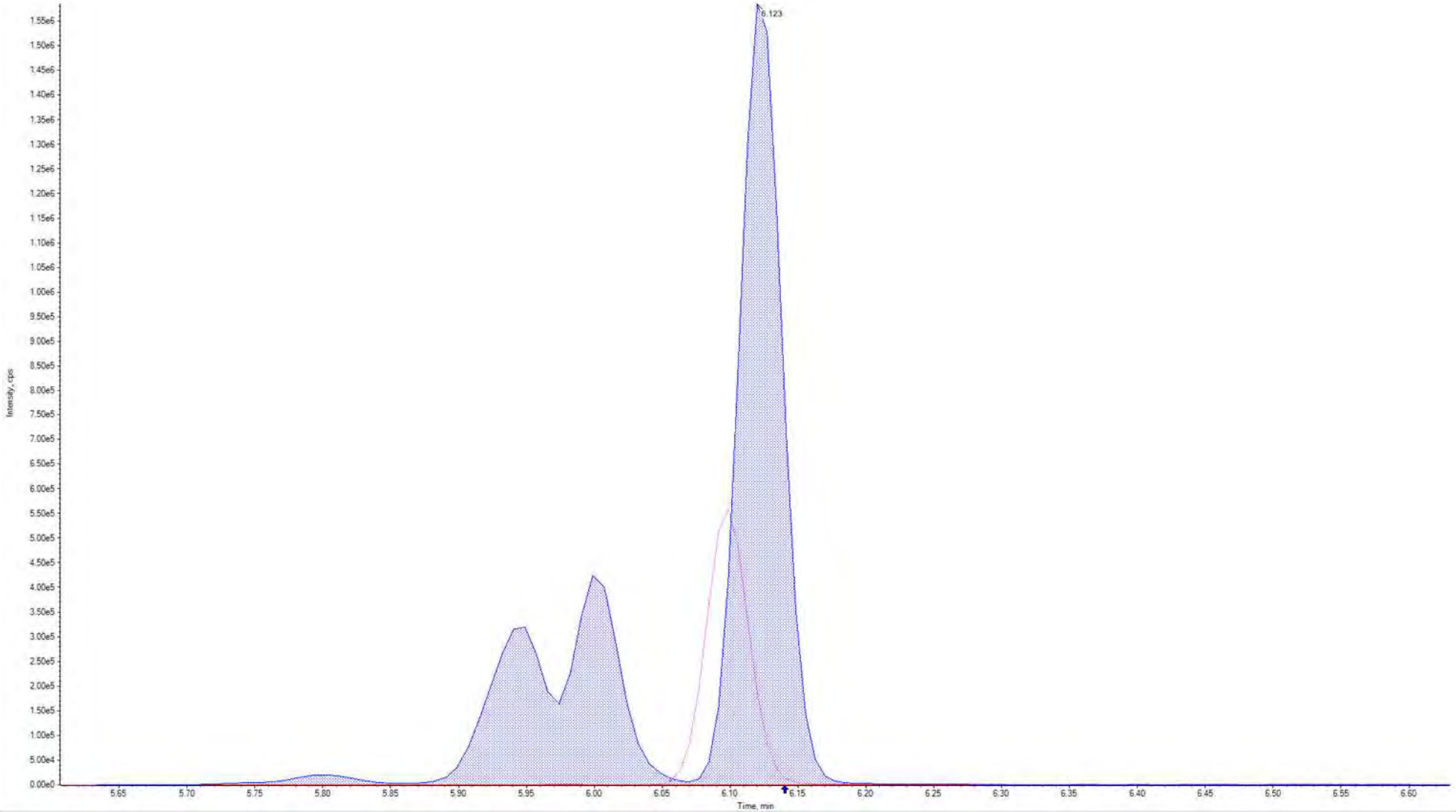
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

NMeFOSE
Sample: WG2038851-2,1633FMED S/N:228.3 Points Across peak:65



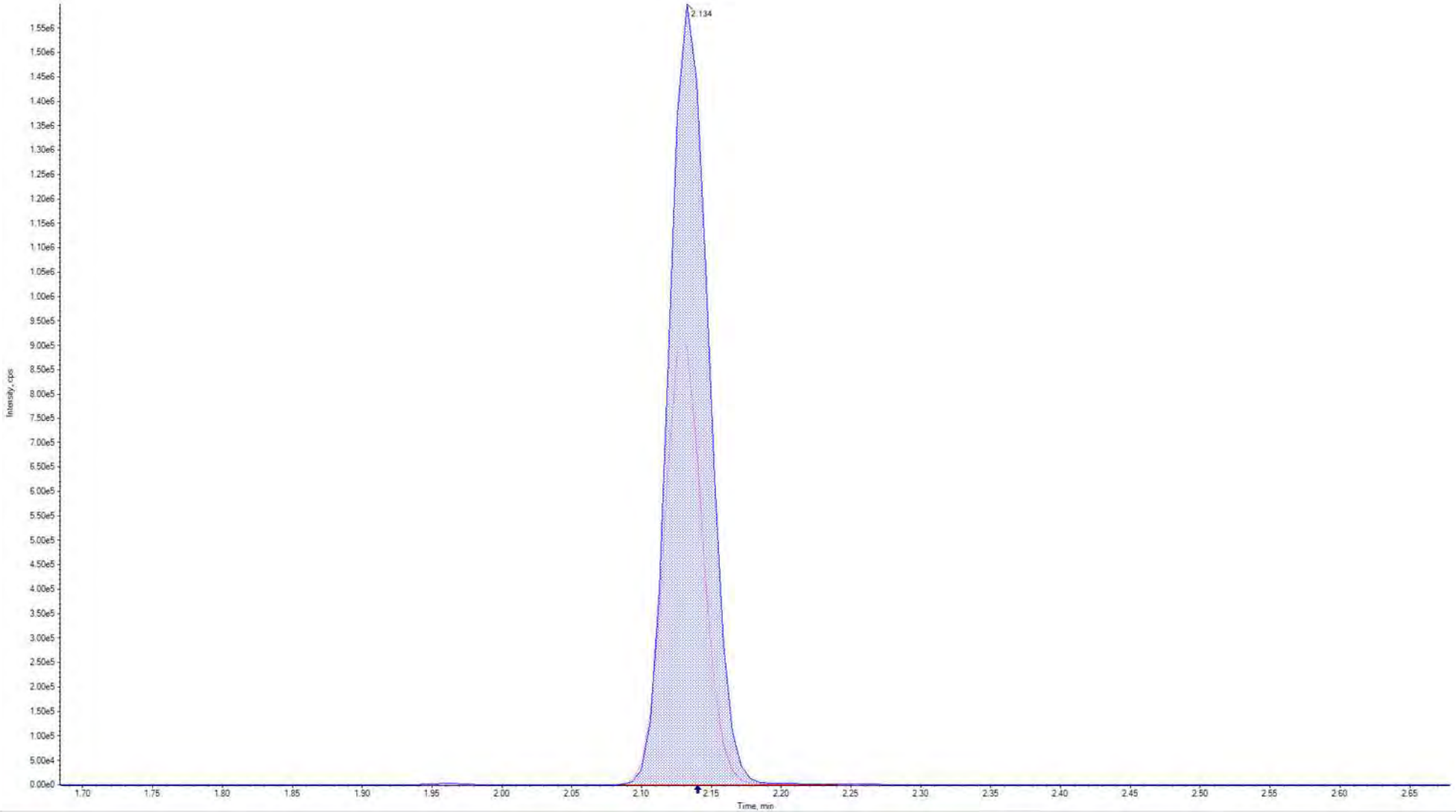
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

NEtFOSE
Sample: WG2038851-2,1633FMED S/N:444.9 Points Across peak:75



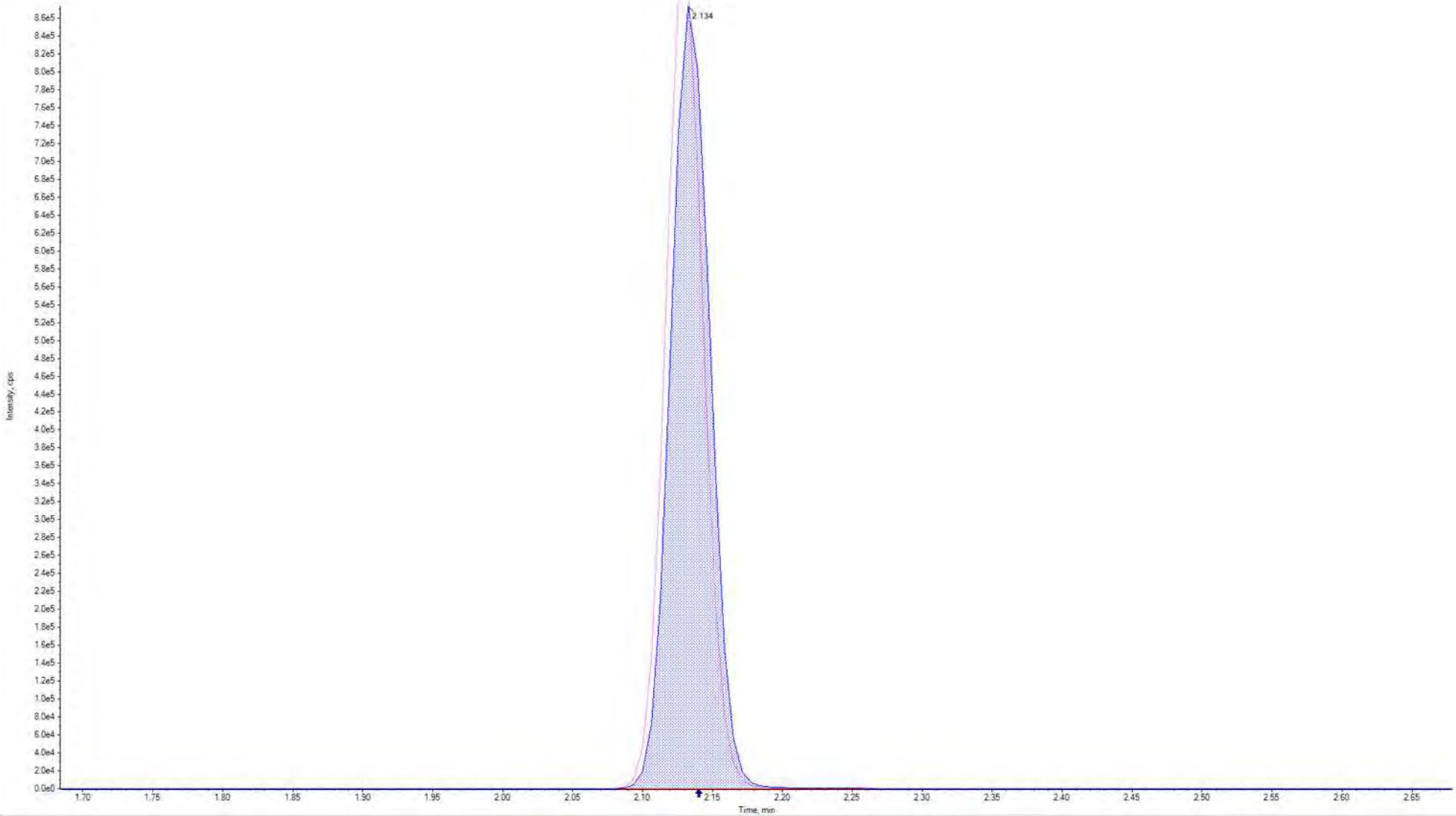
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

HFPO-DA
Sample: WG2038851-2,1633FMED S/N:36075.7 Points Across peak:26



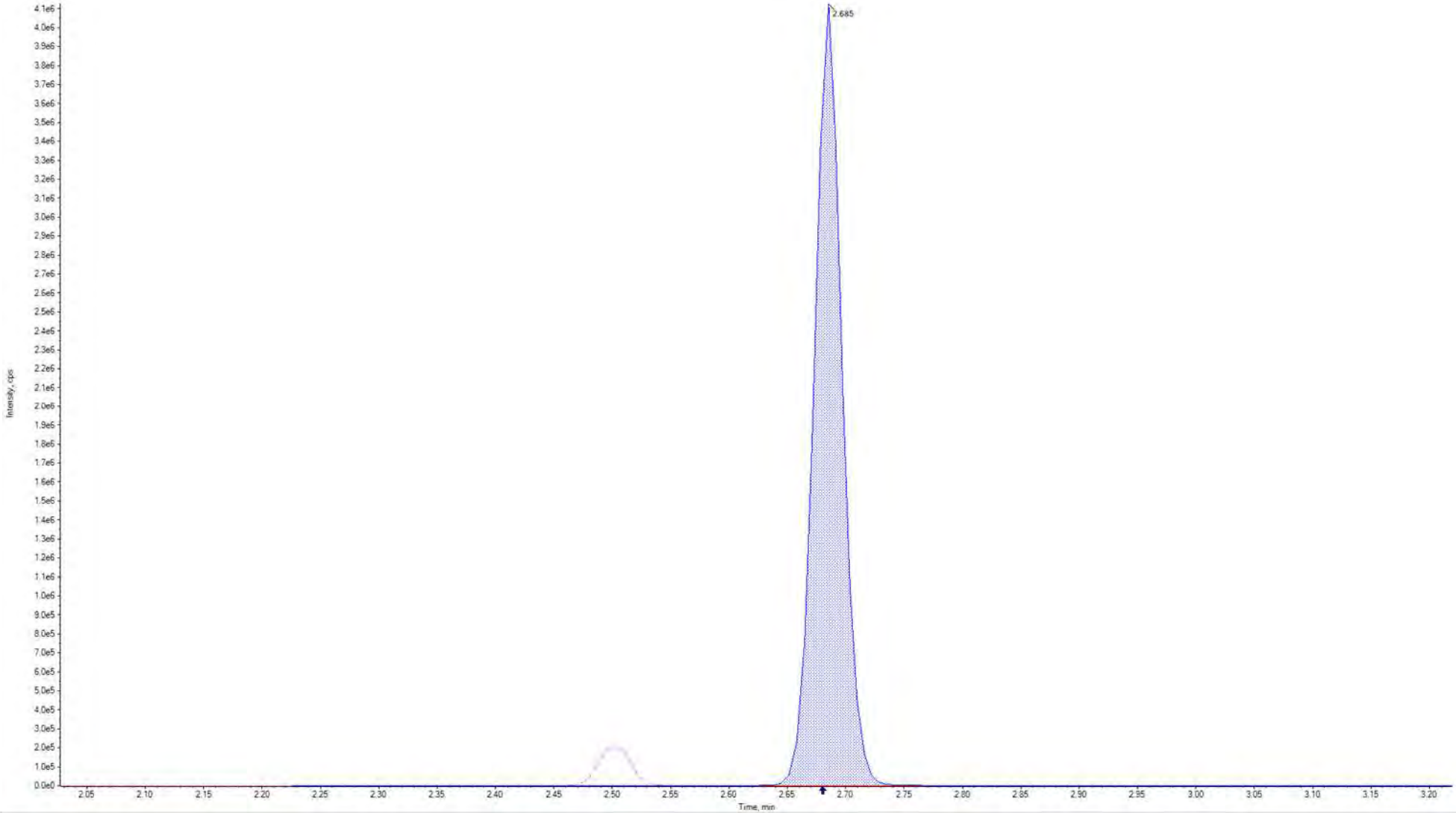
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

HFPO-DA_2
Sample: WG2038851-2,1633FMED S/N:19701.7 Points Across peak:33



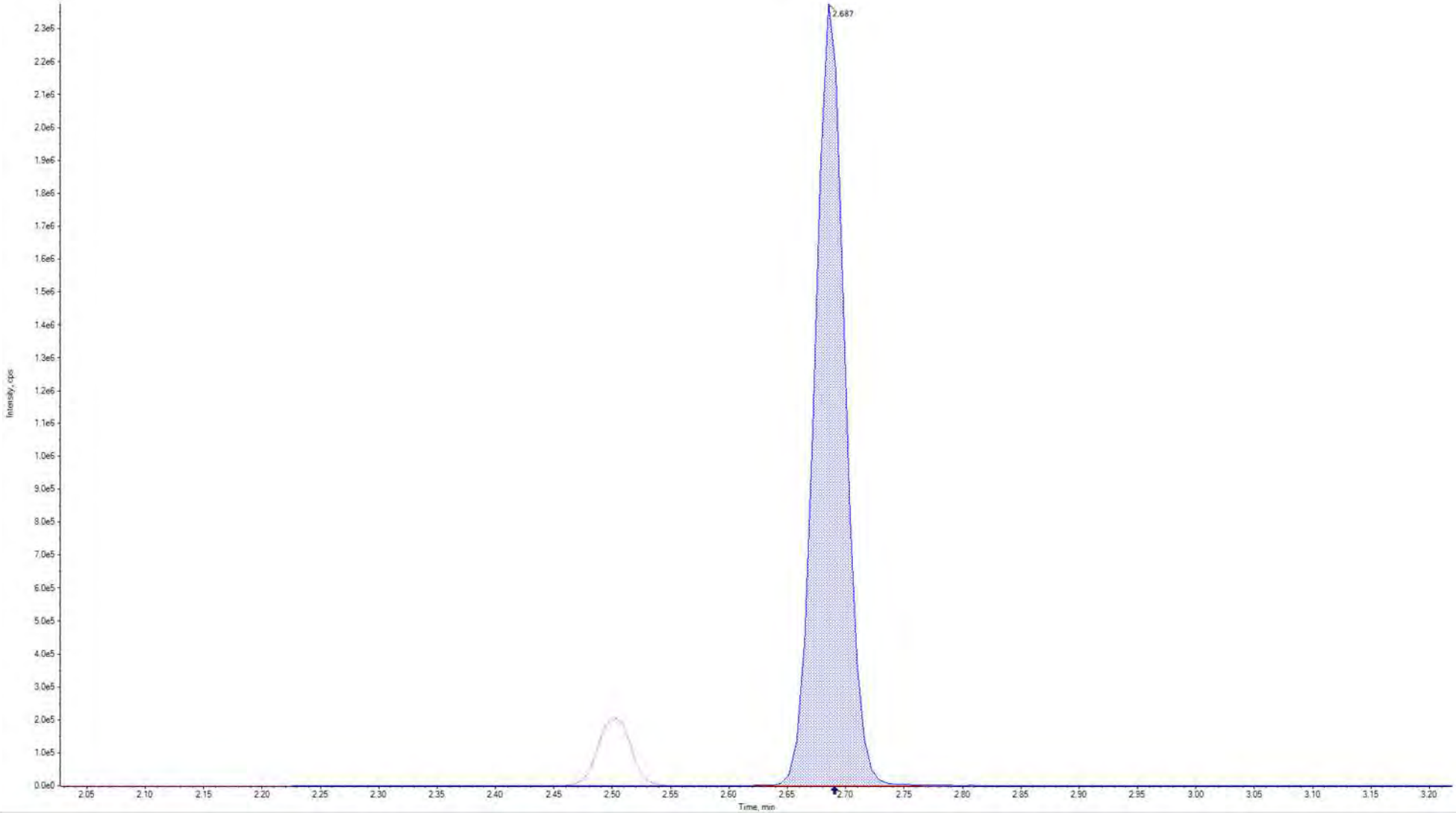
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

ADONA
Sample: WG2038851-2,1633FMED S/N:5638.9 Points Across peak:39



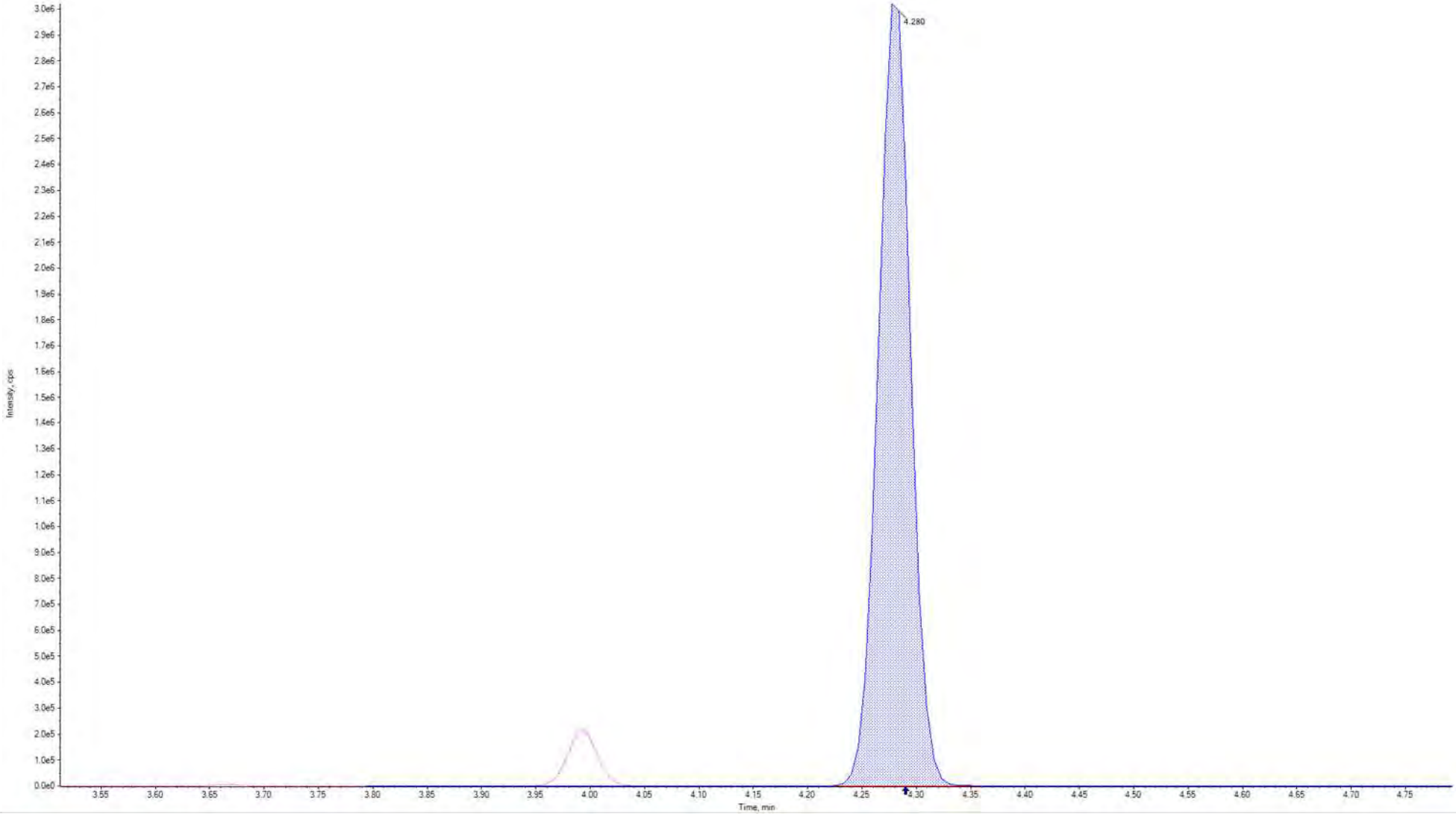
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

ADONA_2
Sample: WG2038851-2,1633FMED S/N:4511.8 Points Across peak:29



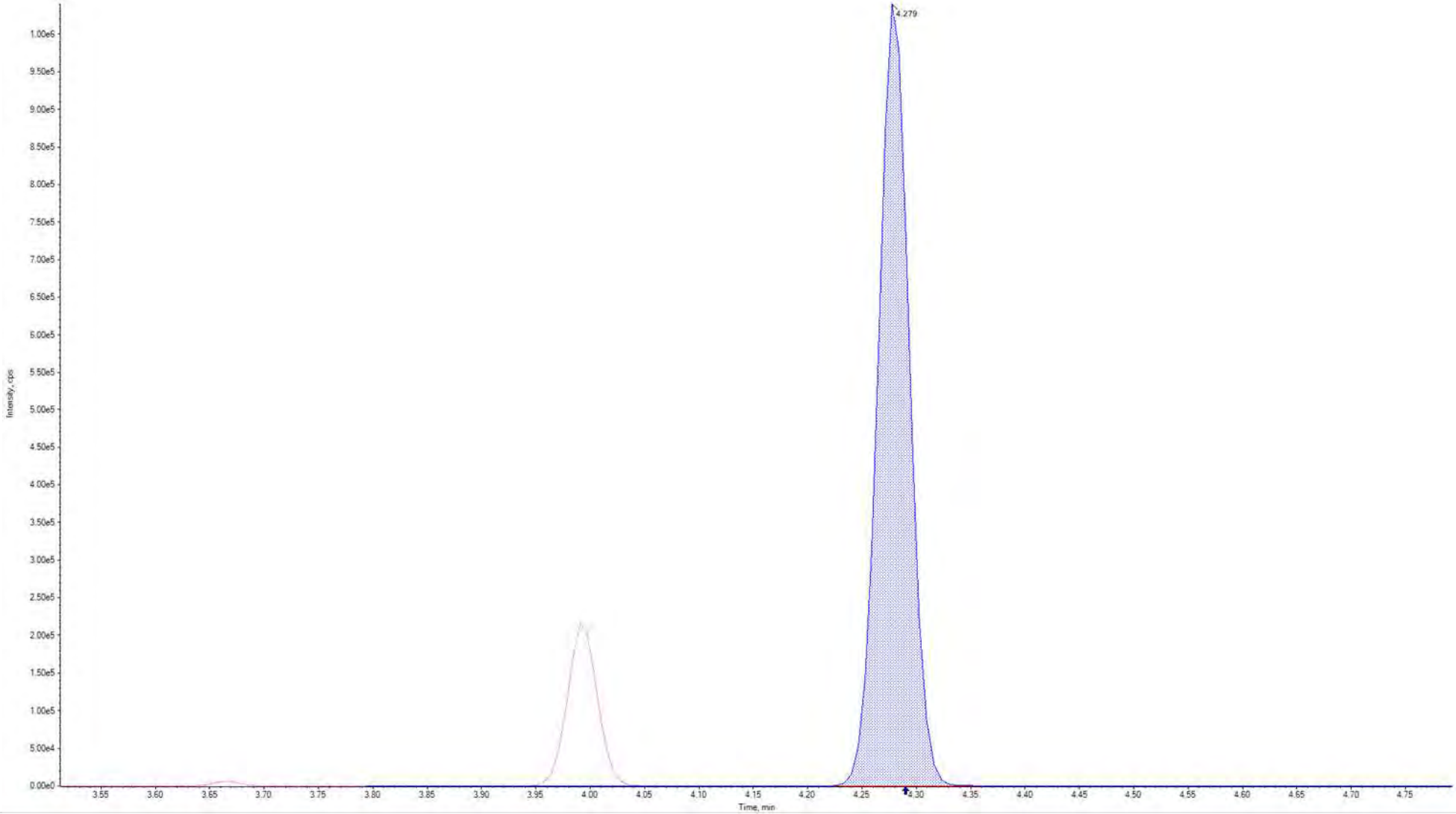
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

9Cl-PF3ONS
Sample: WG2038851-2,1633FMED S/N:12455.8 Points Across peak:36



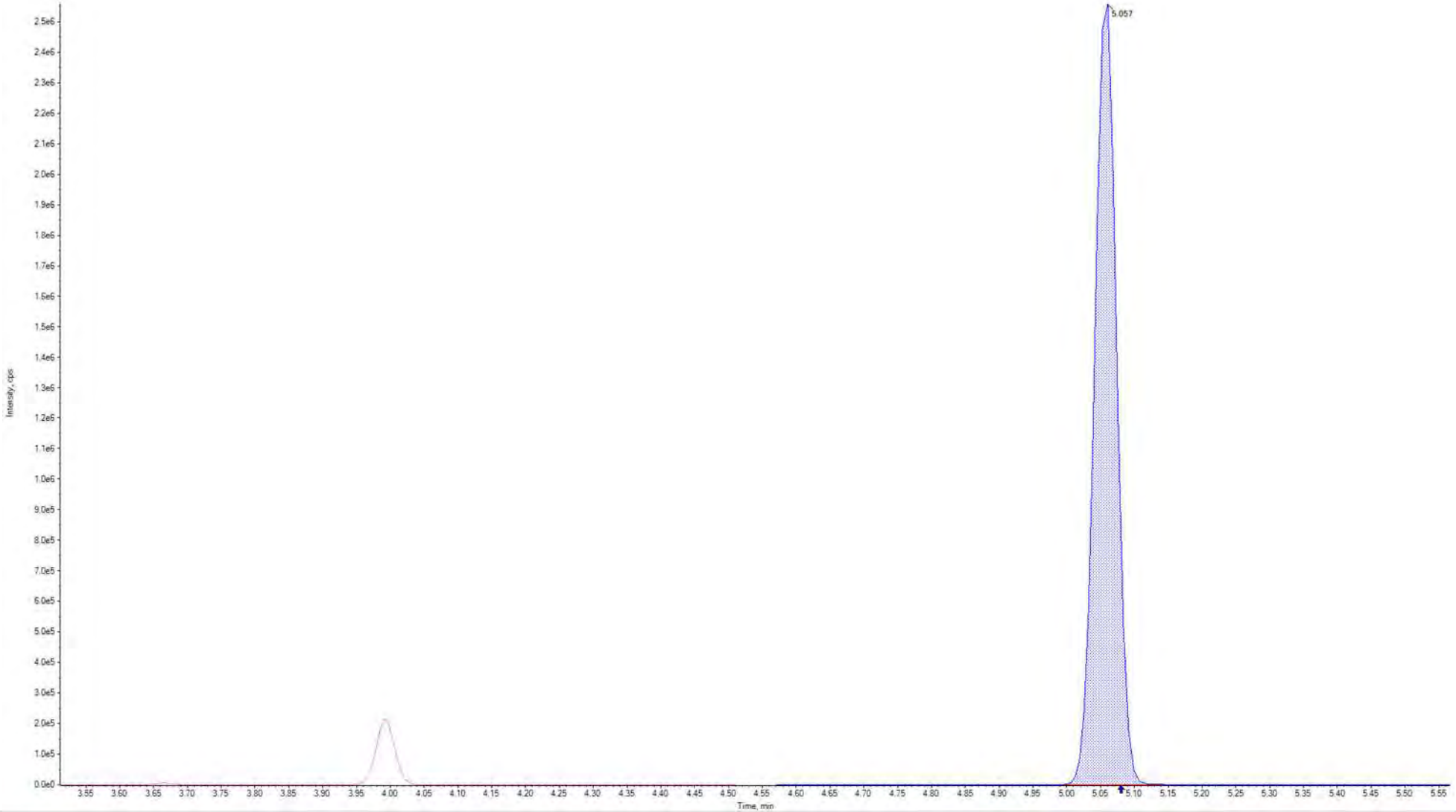
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

9Cl-PF3ONS_2
Sample: WG2038851-2,1633FMED S/N:7313.1 Points Across peak:30



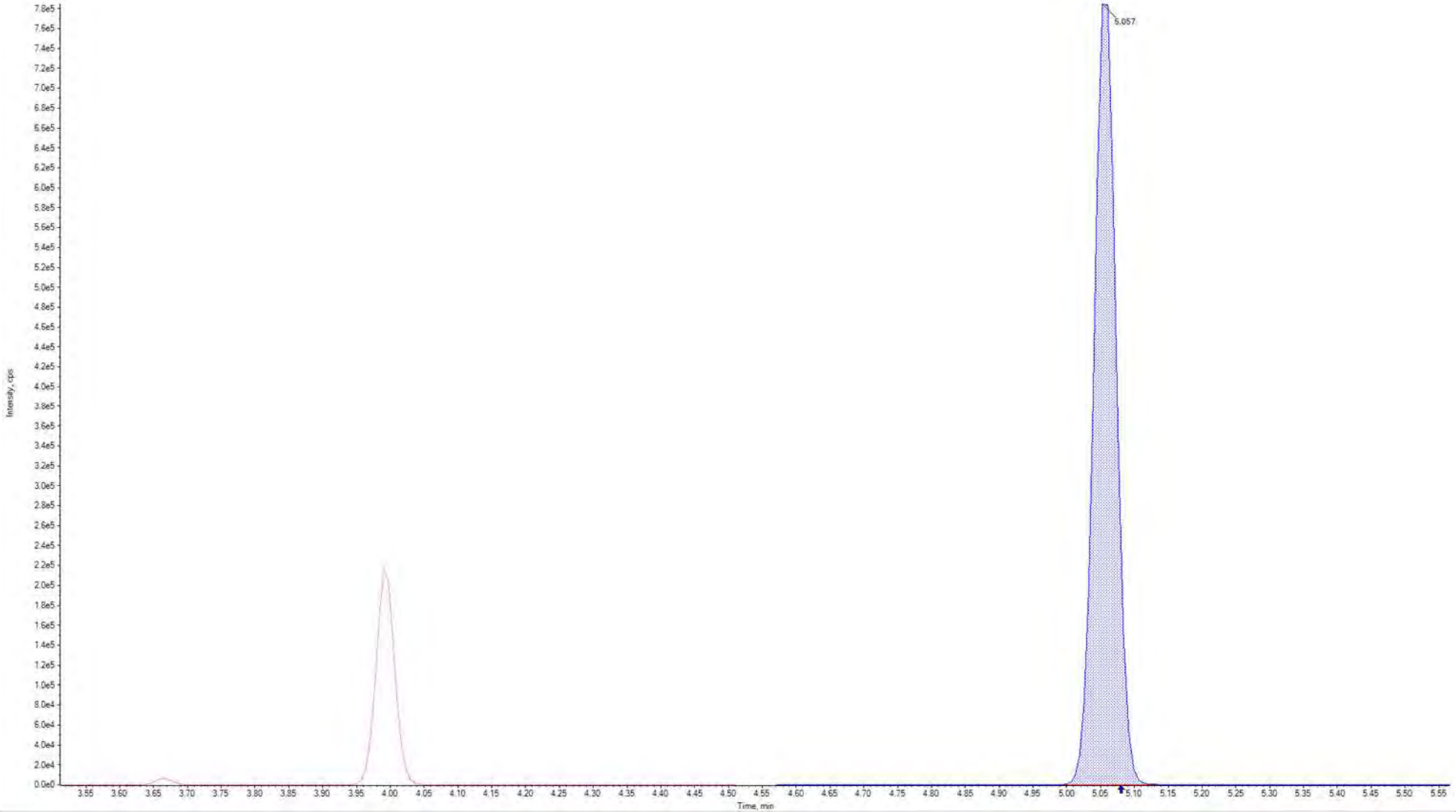
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

11Cl-PF3OUdS
Sample: WG2038851-2,1633FMED S/N:10315.7 Points Across peak:31



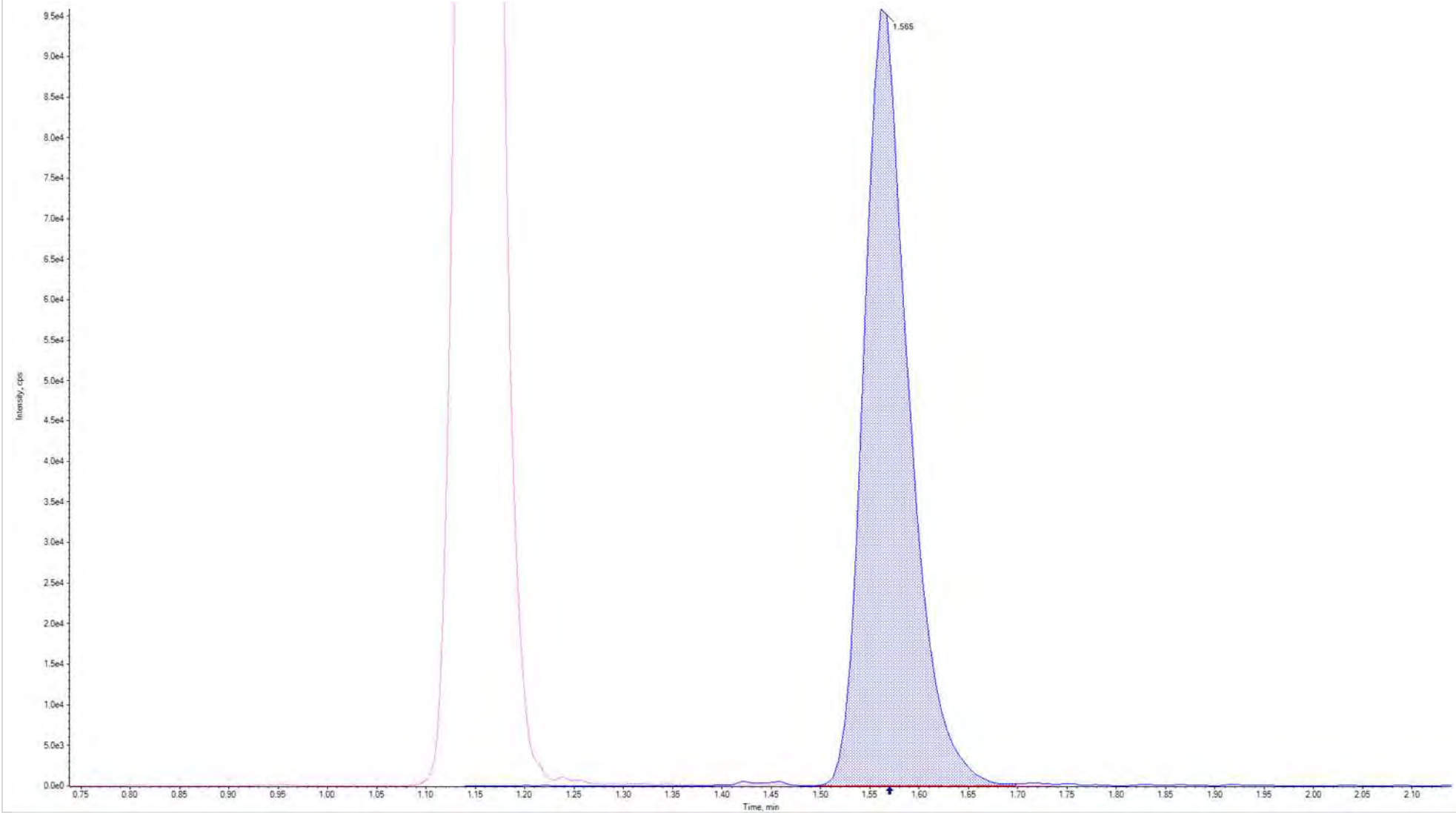
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

11Cl-PF3OUdS_2
Sample: WG2038851-2,1633FMED S/N:7545.8 Points Across peak:37



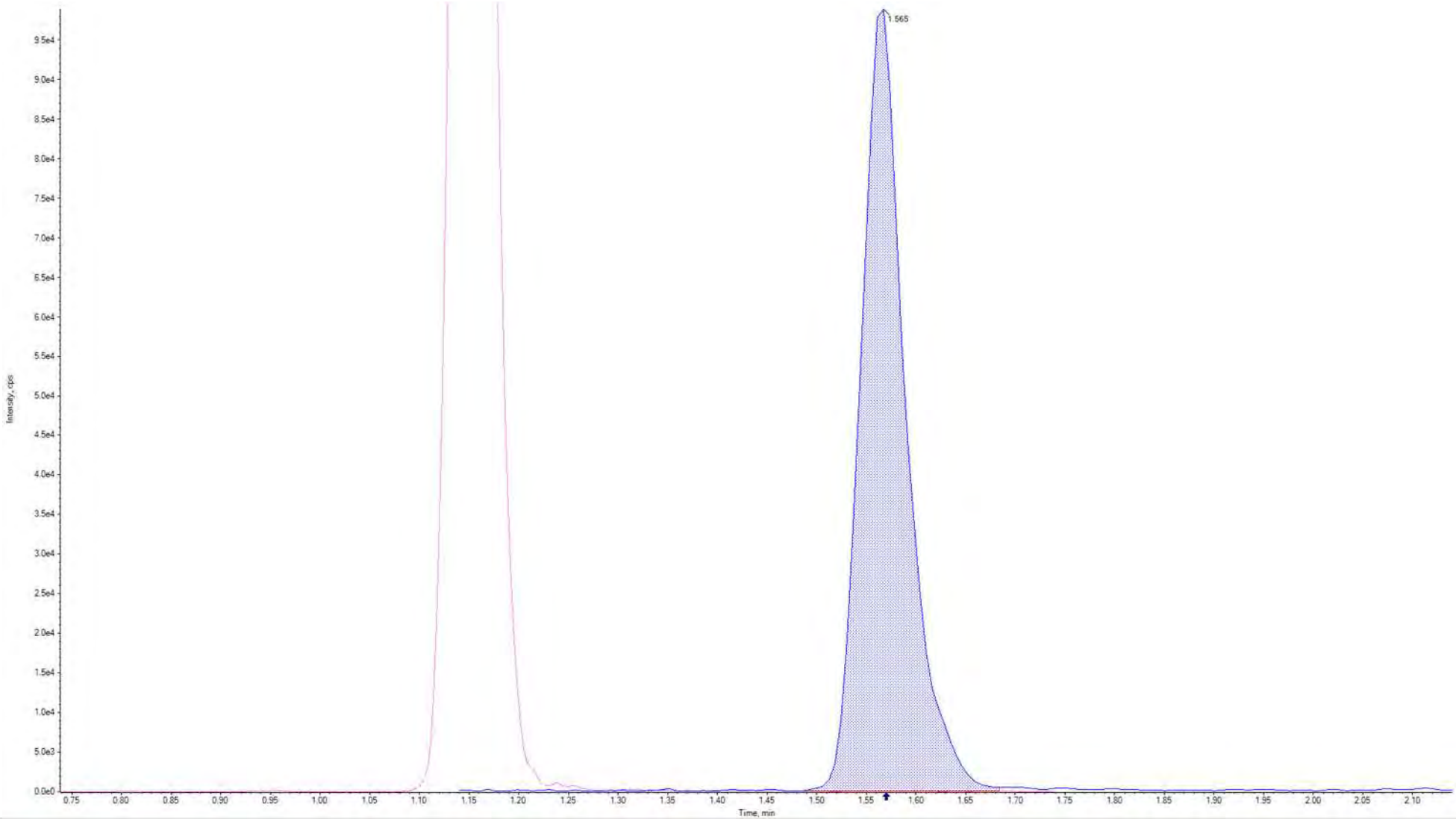
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

3:3FTCA
Sample: WG2038851-2,1633FMED S/N:2279.1 Points Across peak:35



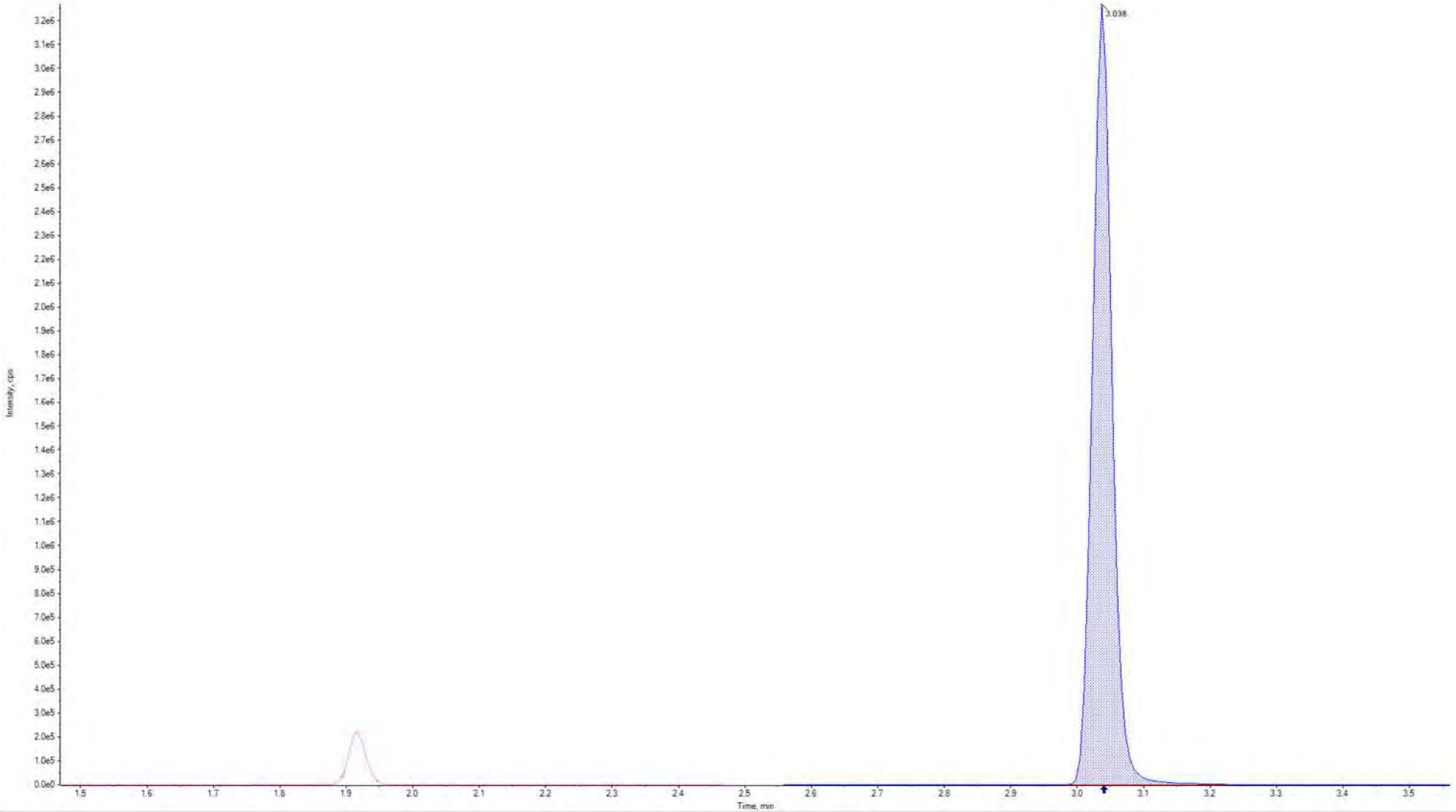
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

3:3FTCA_2
Sample: WG2038851-2,1633FMED S/N:2476.4 Points Across peak:34



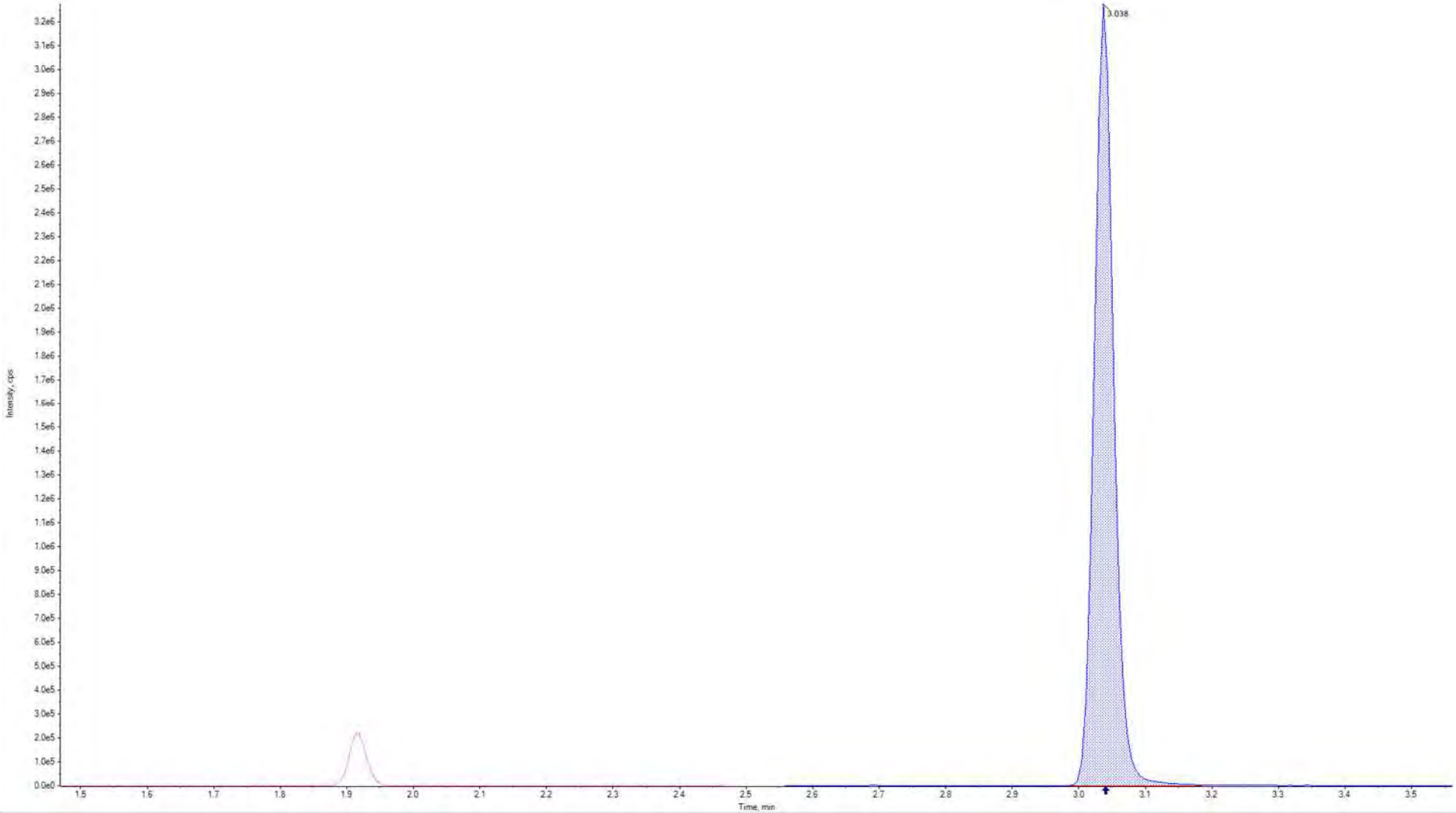
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

5:3FTCA
Sample: WG2038851-2,1633FMED S/N:71977.4 Points Across peak:46



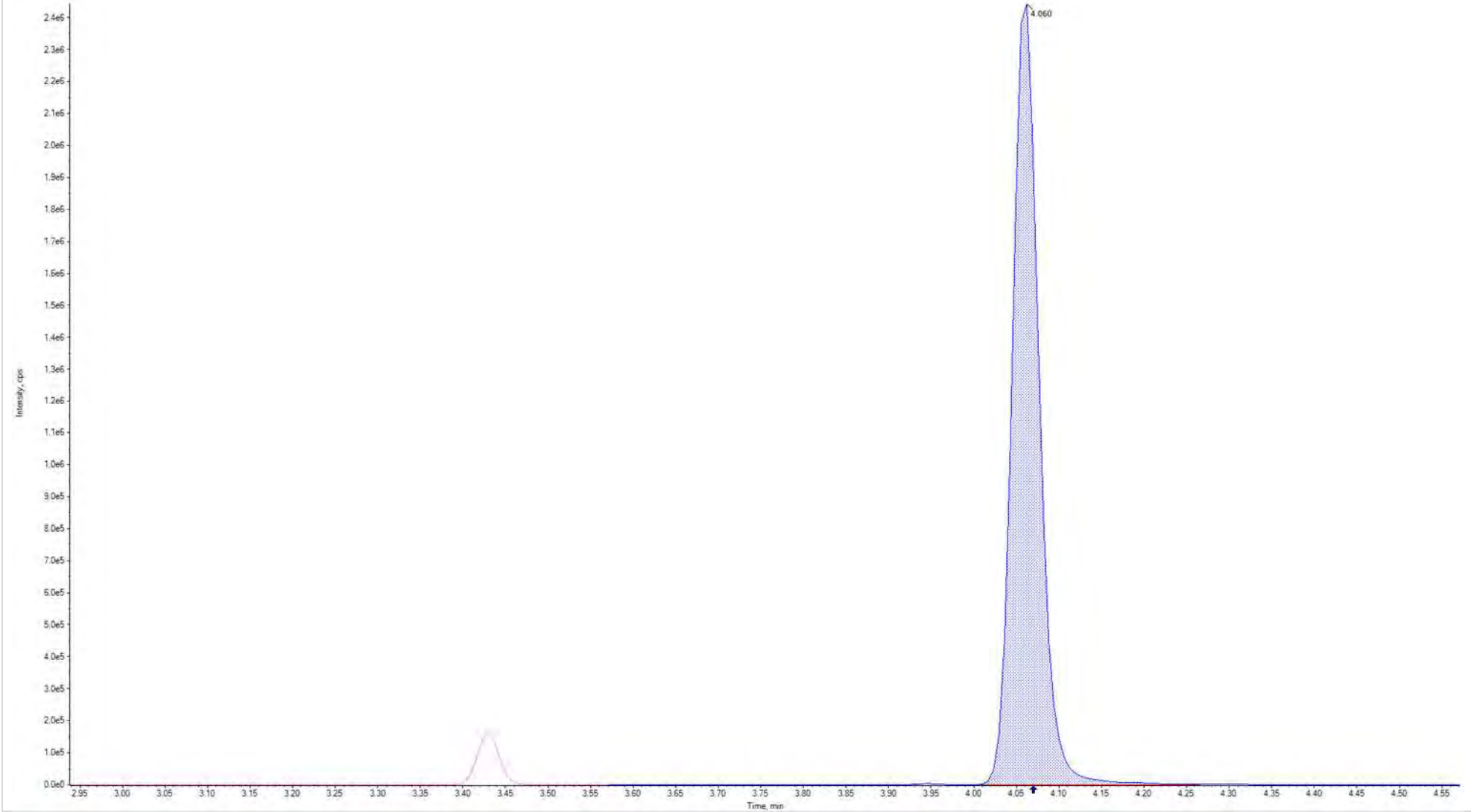
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

5:3FTCA_2
Sample: WG2038851-2,1633FMED S/N:7714.4 Points Across peak:35



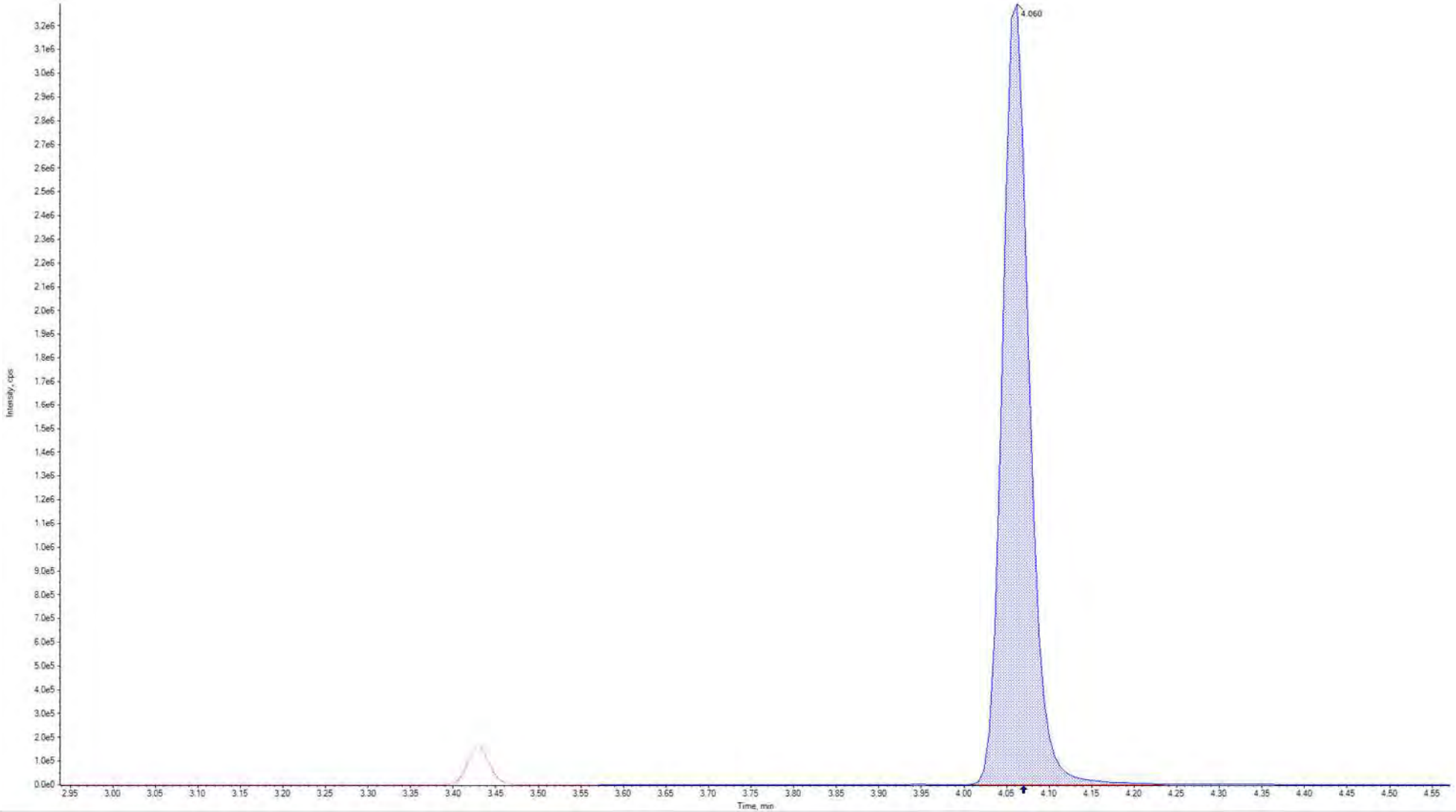
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

7:3FTCA
Sample: WG2038851-2,1633FMED S/N:67347.3 Points Across peak:44



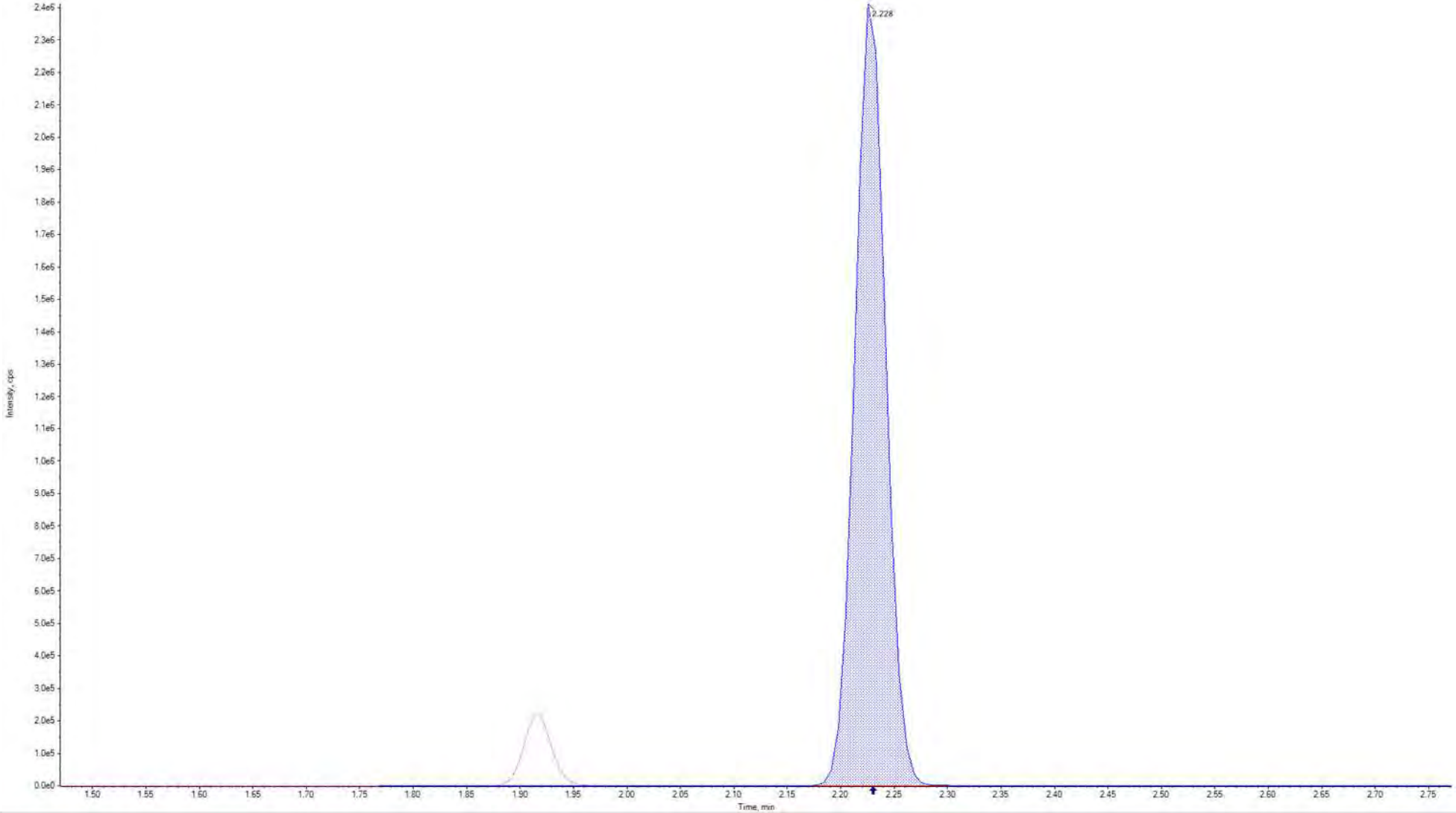
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

7:3FTCA_2
Sample: WG2038851-2,1633FMED S/N:37941.9 Points Across peak:39



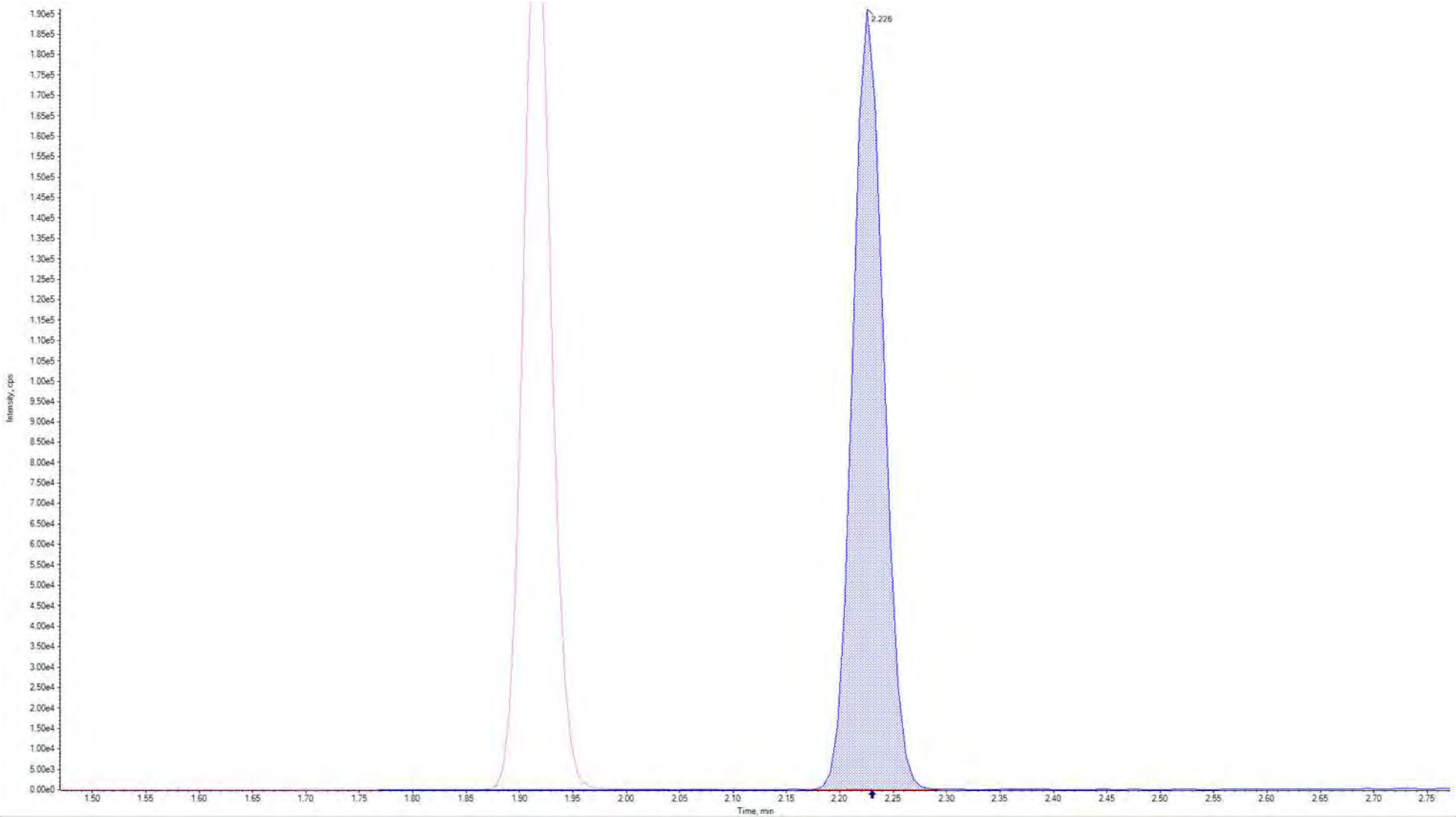
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFEESA
Sample: WG2038851-2,1633FMED S/N:8466.6 Points Across peak:37



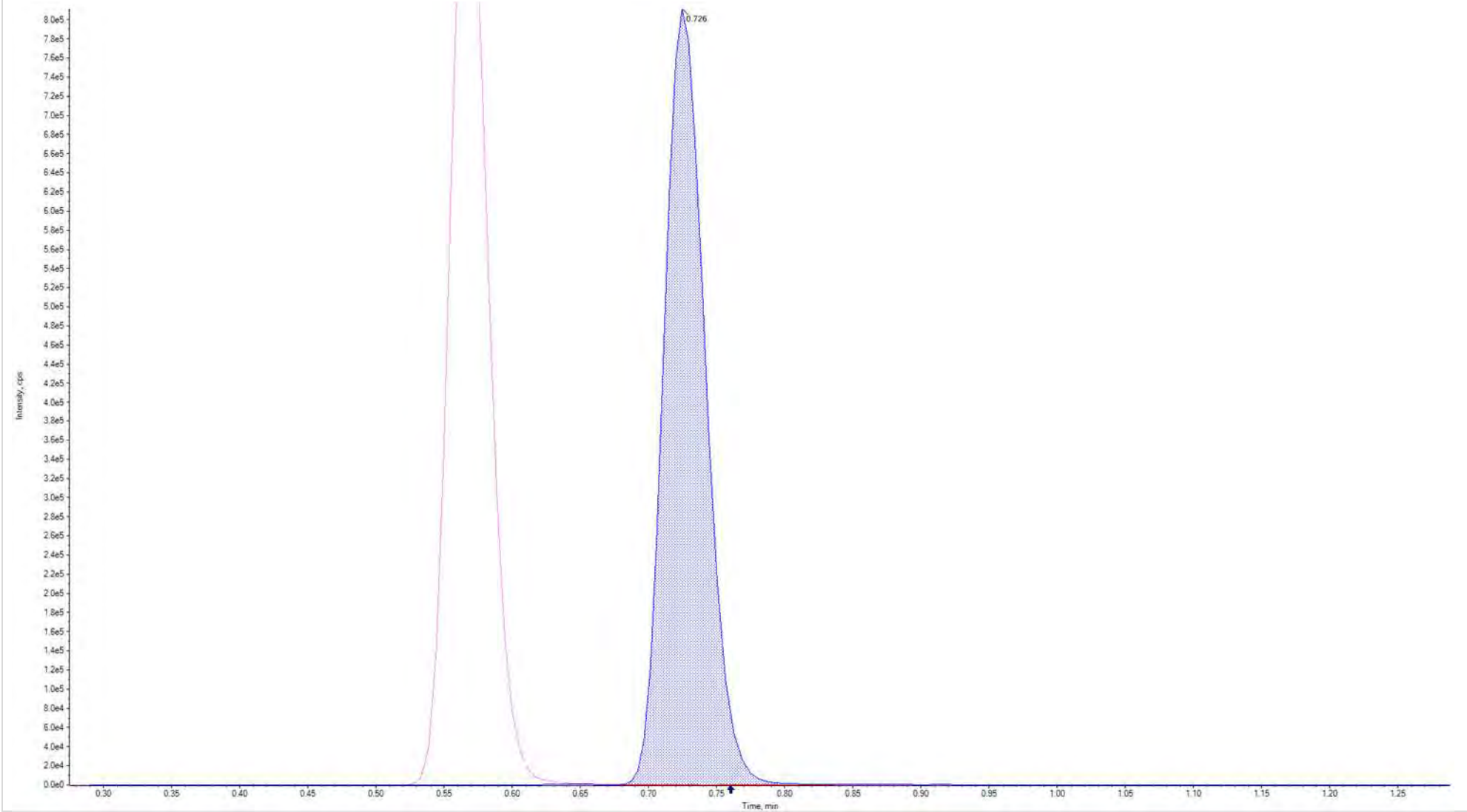
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFEESA_2
Sample: WG2038851-2,1633FMED S/N:2231.8 Points Across peak:19



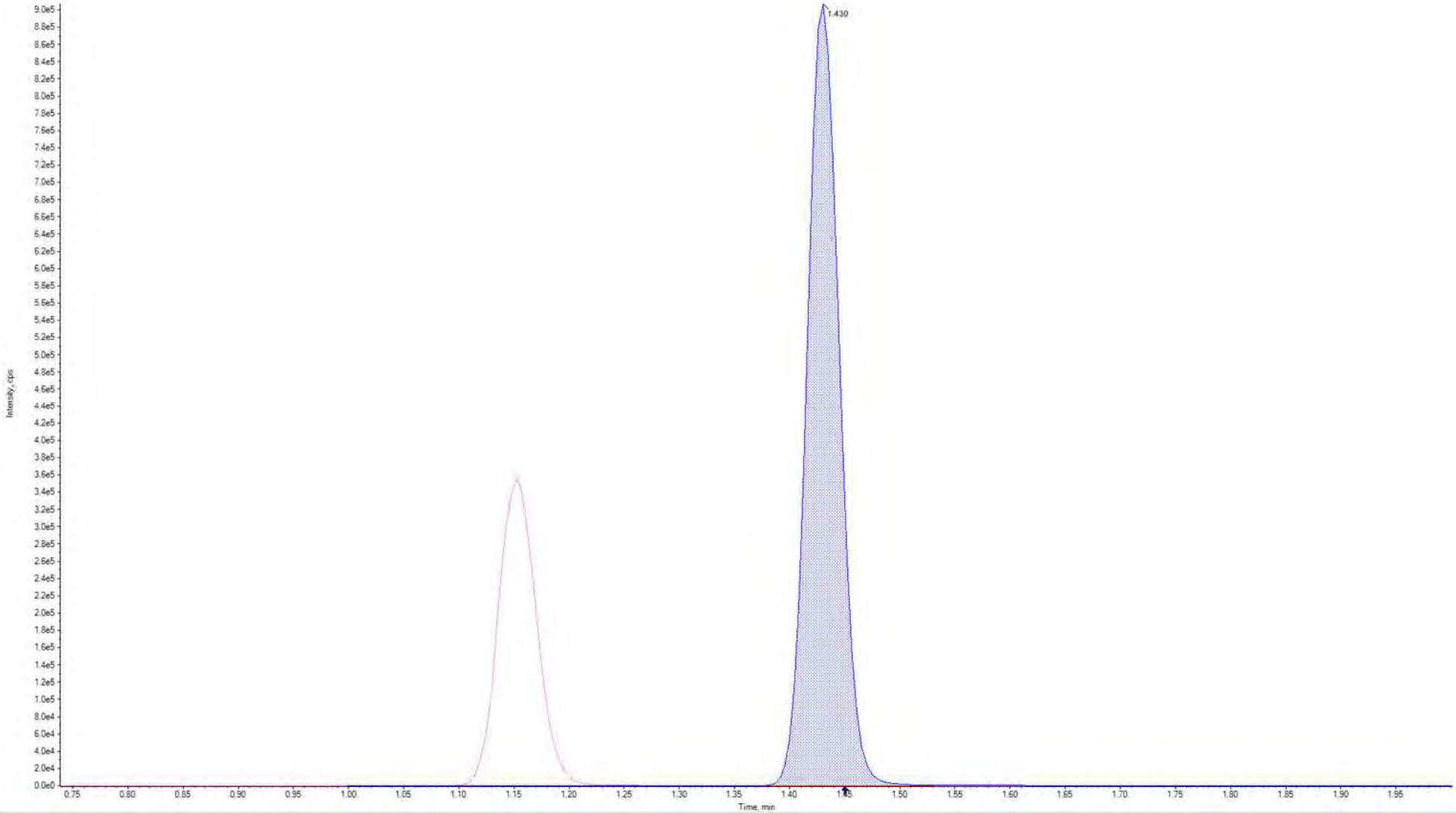
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFMPA
Sample: WG2038851-2,1633FMED S/N:25813.7 Points Across peak:31



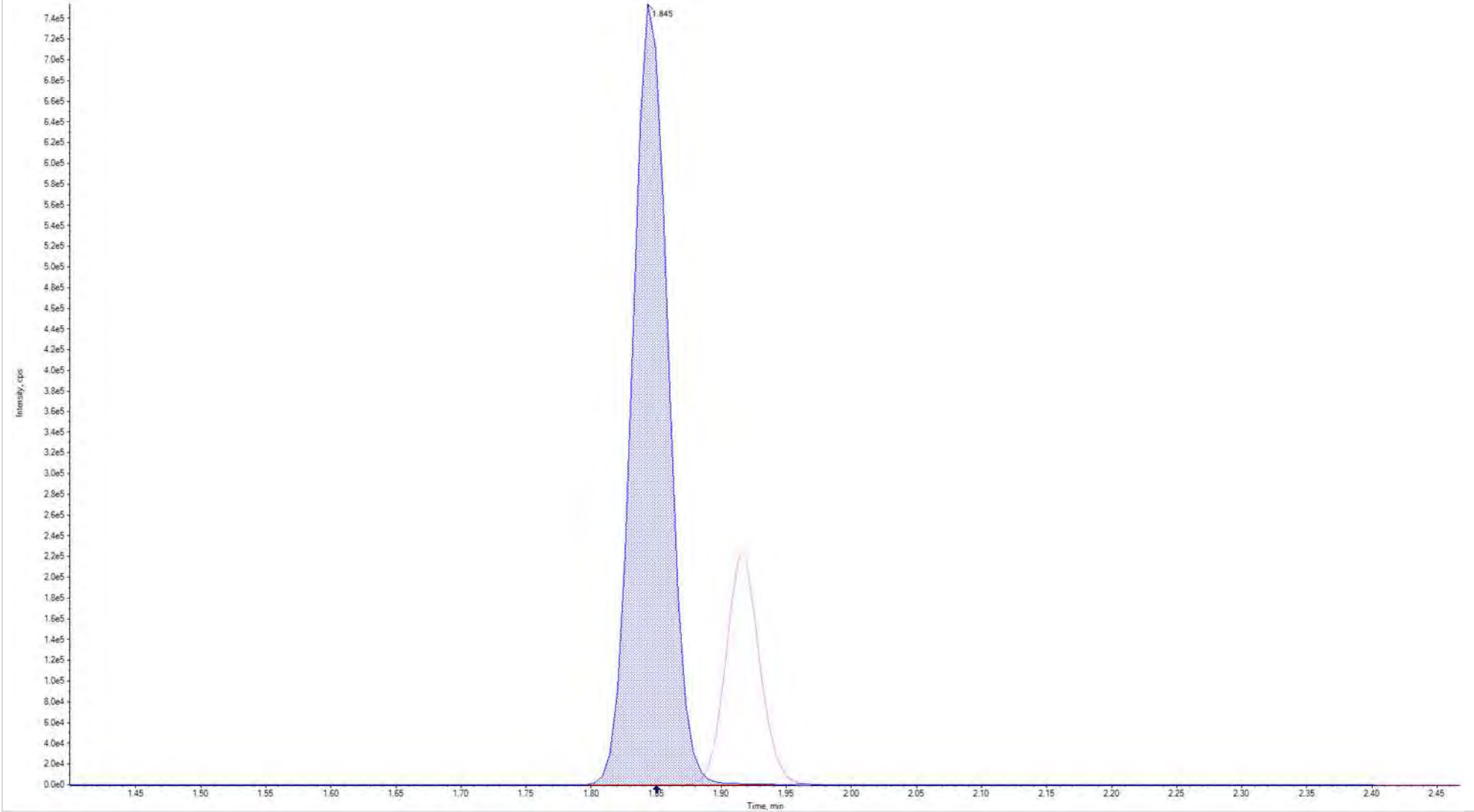
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

PFMBA
Sample: WG2038851-2,1633FMED S/N:52286.8 Points Across peak:36



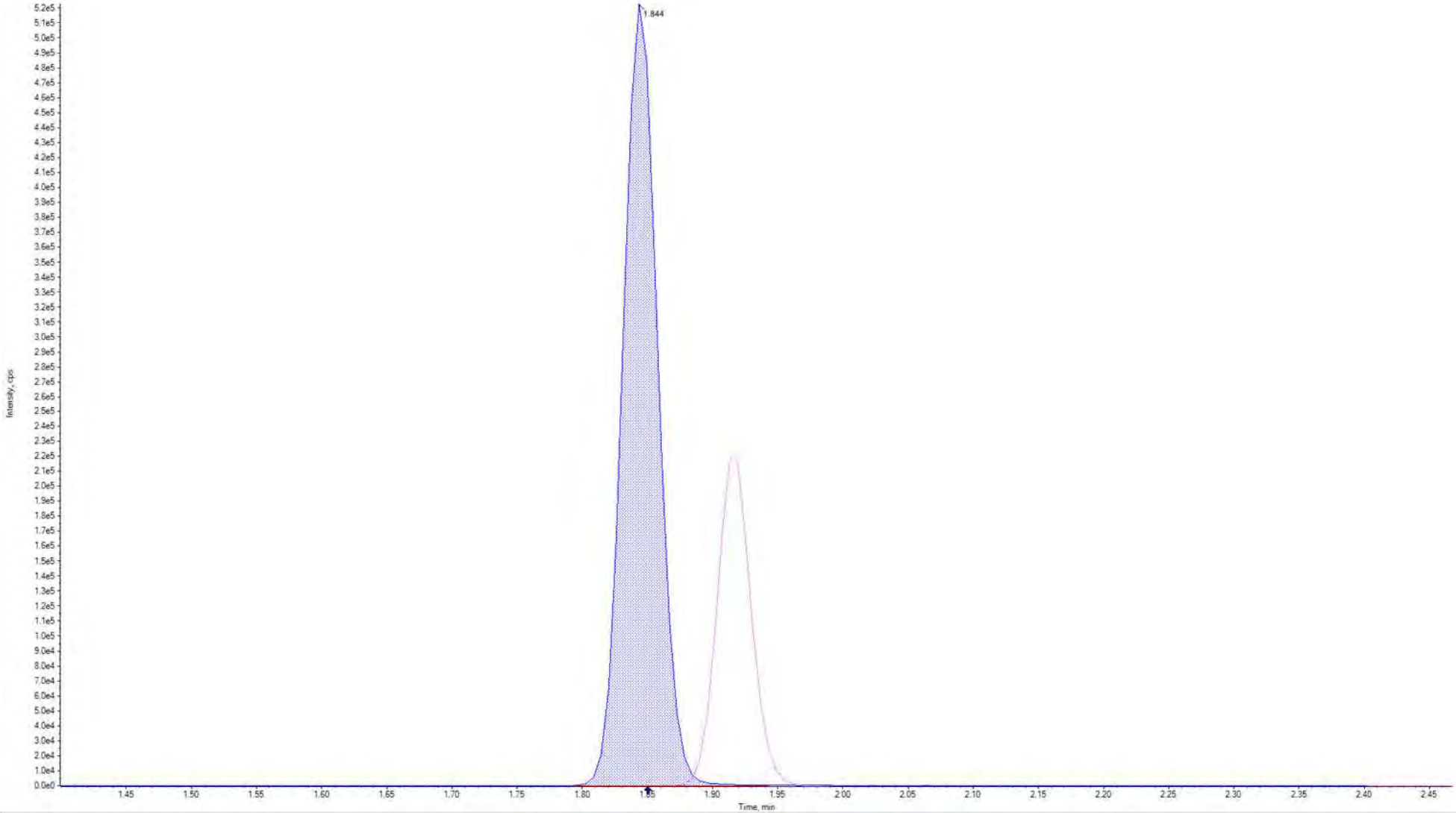
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

NFDHA
Sample: WG2038851-2,1633FMED S/N:7465.1 Points Across peak:30



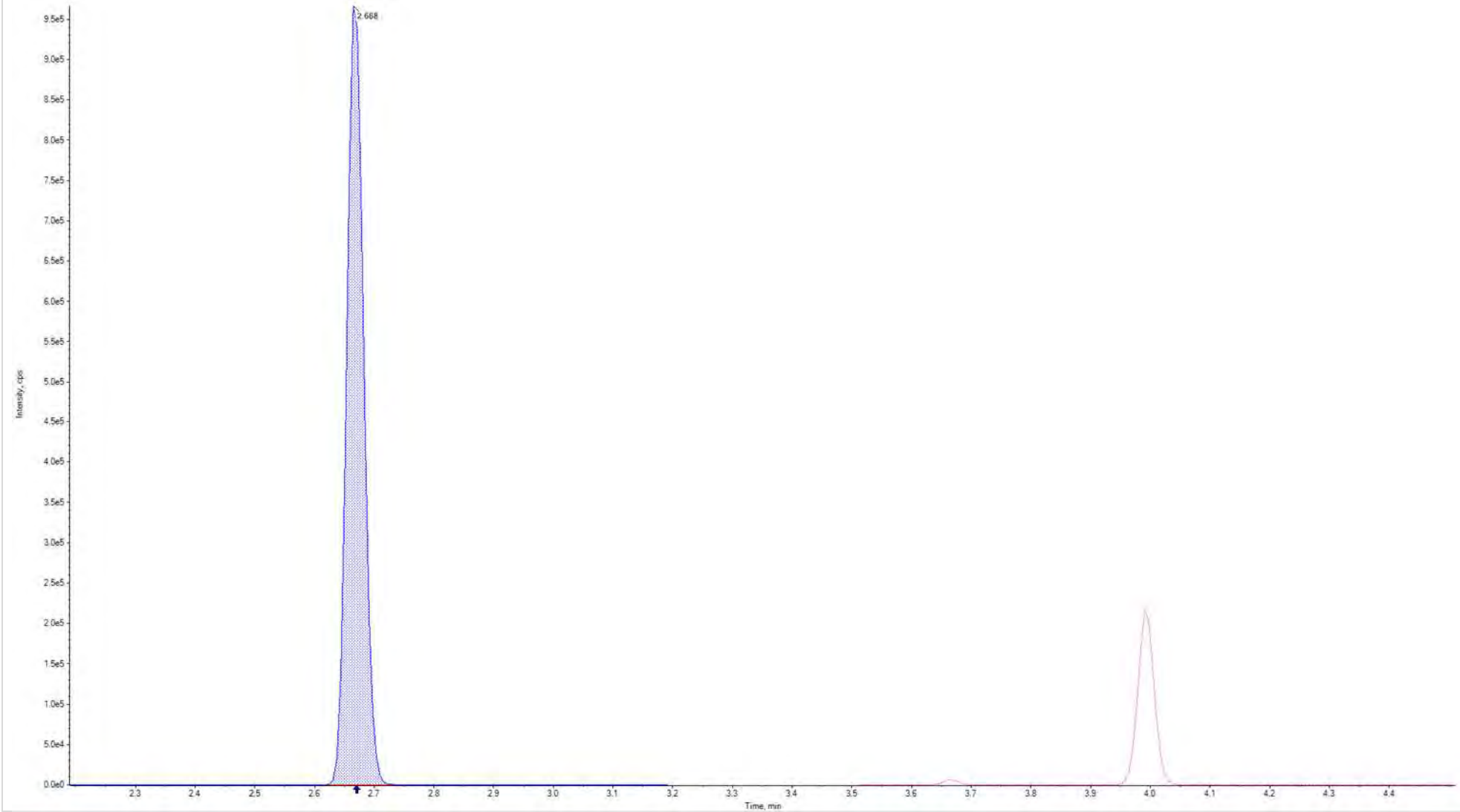
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

NFDHA_2
Sample: WG2038851-2,1633FMED S/N:14411.5 Points Across peak:30



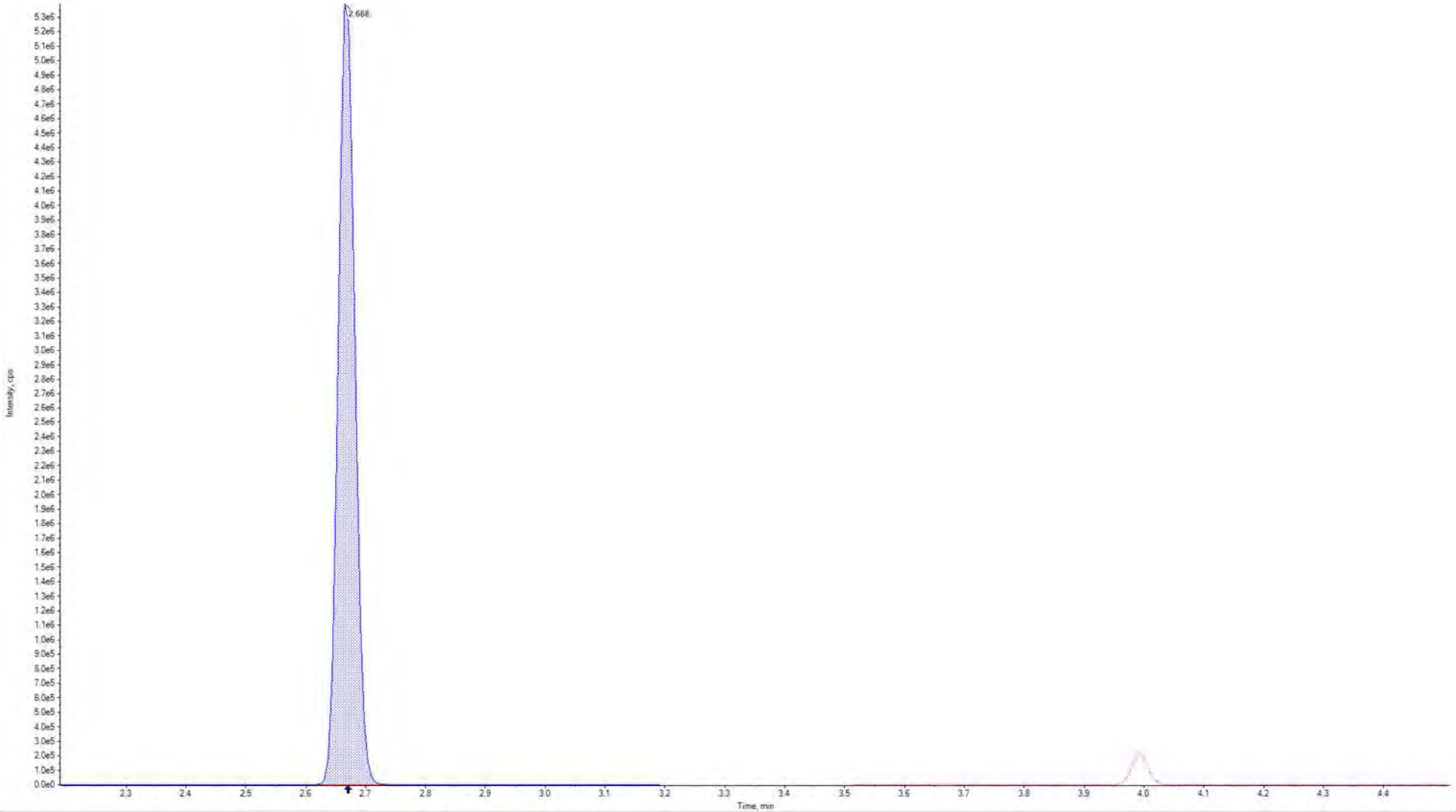
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

TDCA
Sample: WG2038851-2,1633FMED S/N:19376.3 Points Across peak:29



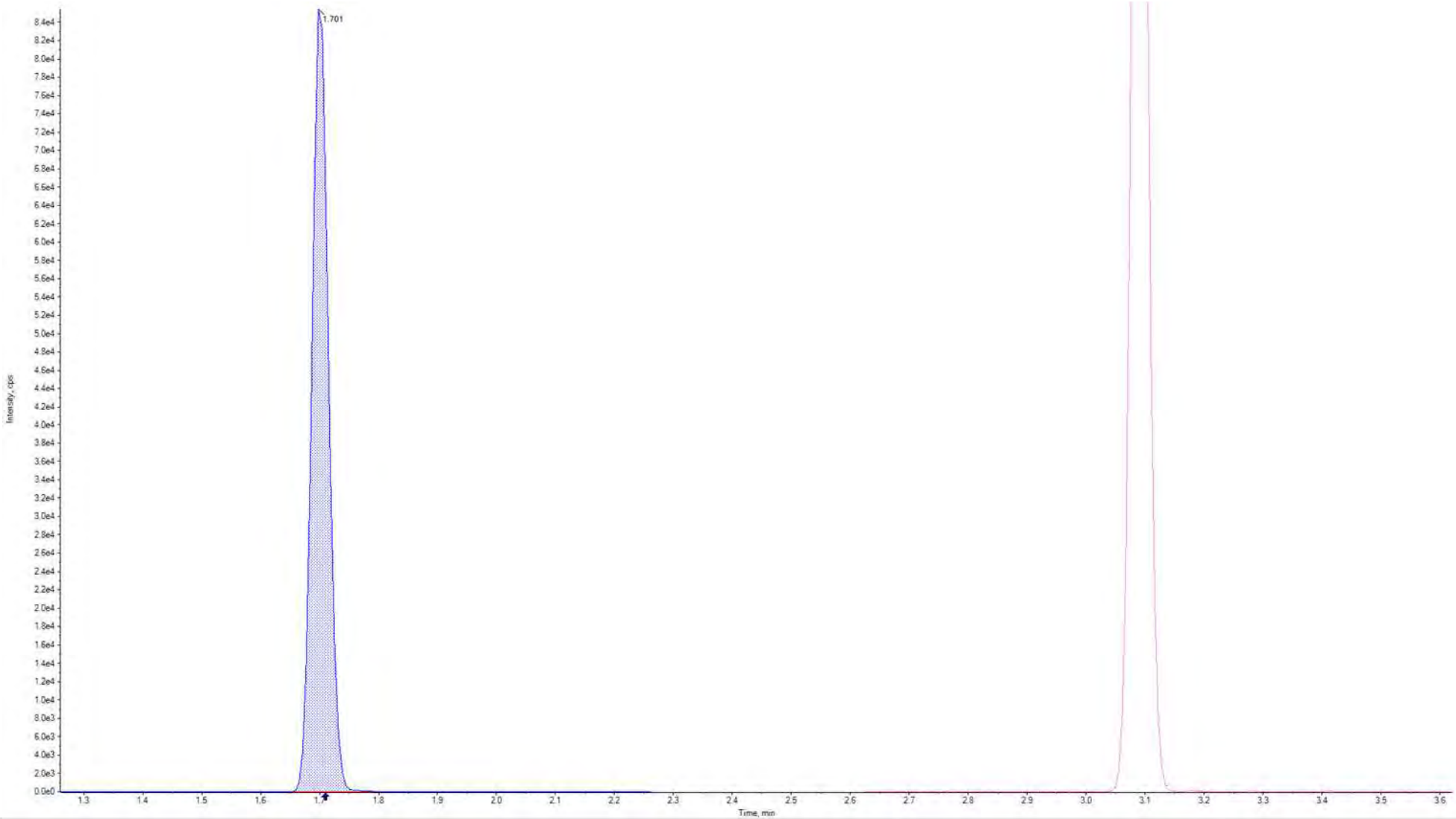
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

TDCA_2
Sample: WG2038851-2,1633FMED S/N:10145.3 Points Across peak:32



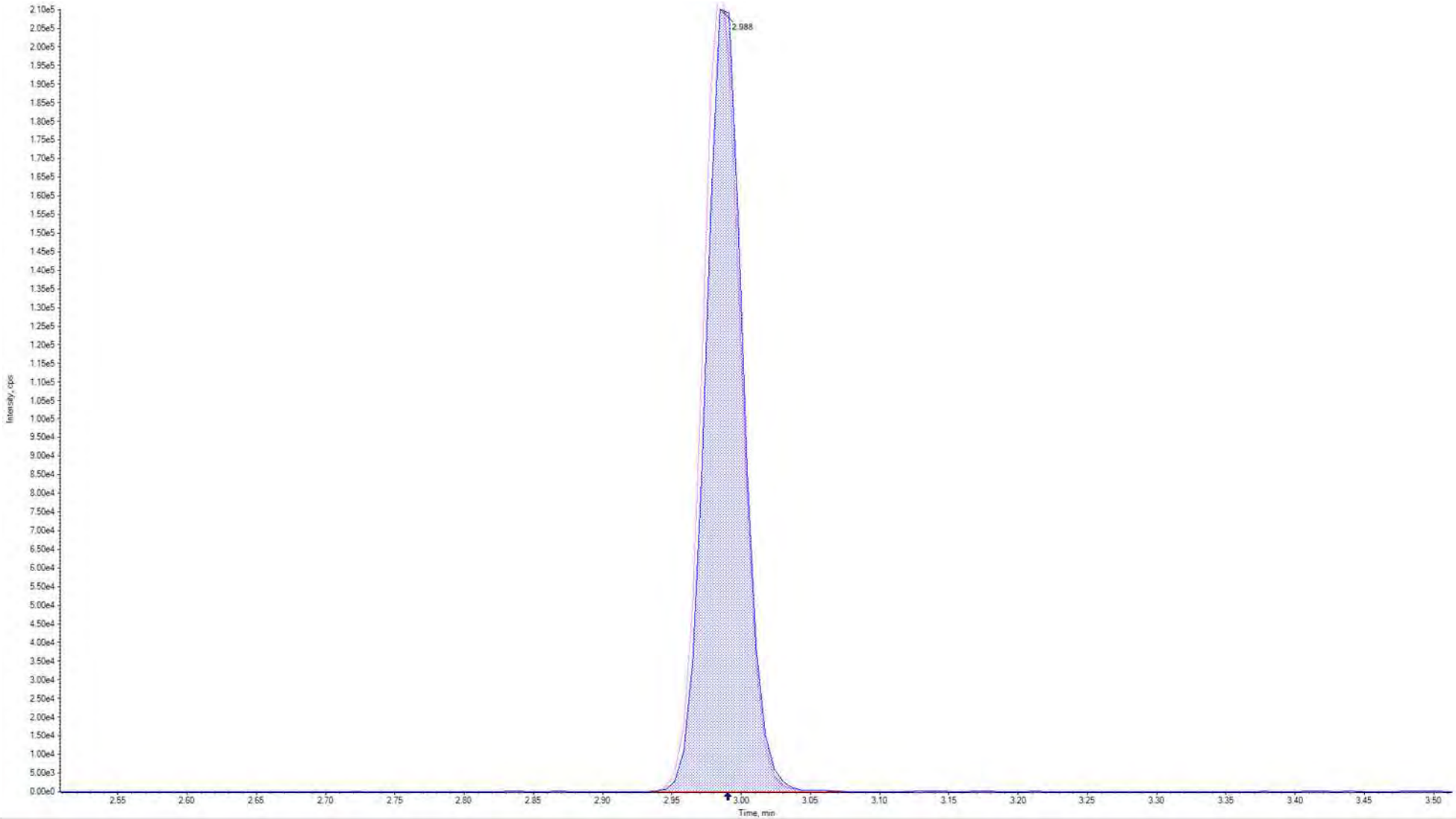
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

13C2D4-4:2FTS
Sample: WG2038851-2,1633FMED S/N:3211.8 Points Across peak:29



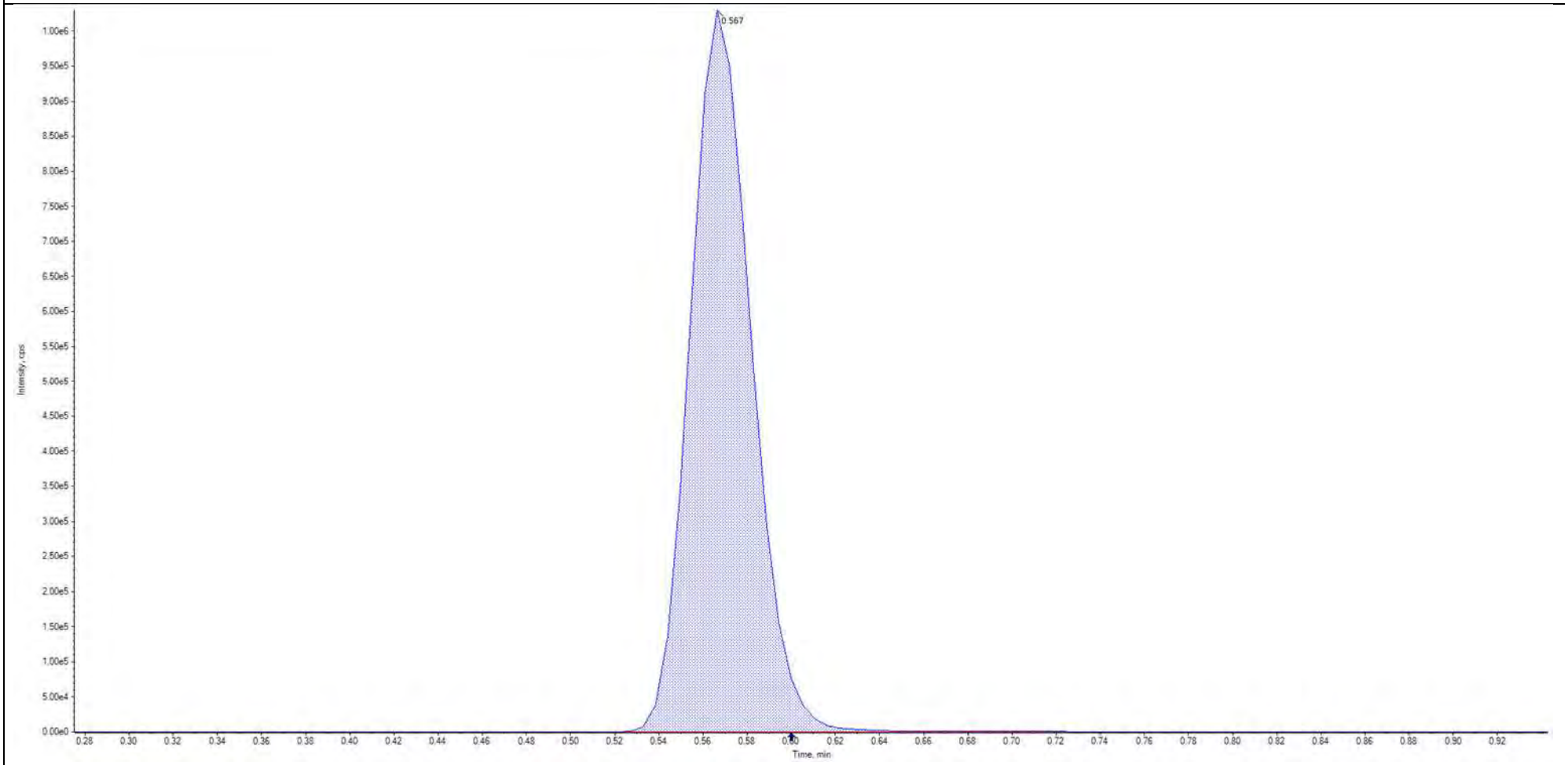
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

13C2-PFOA
Sample: WG2038851-2,1633FMED S/N:3999.7 Points Across peak:31

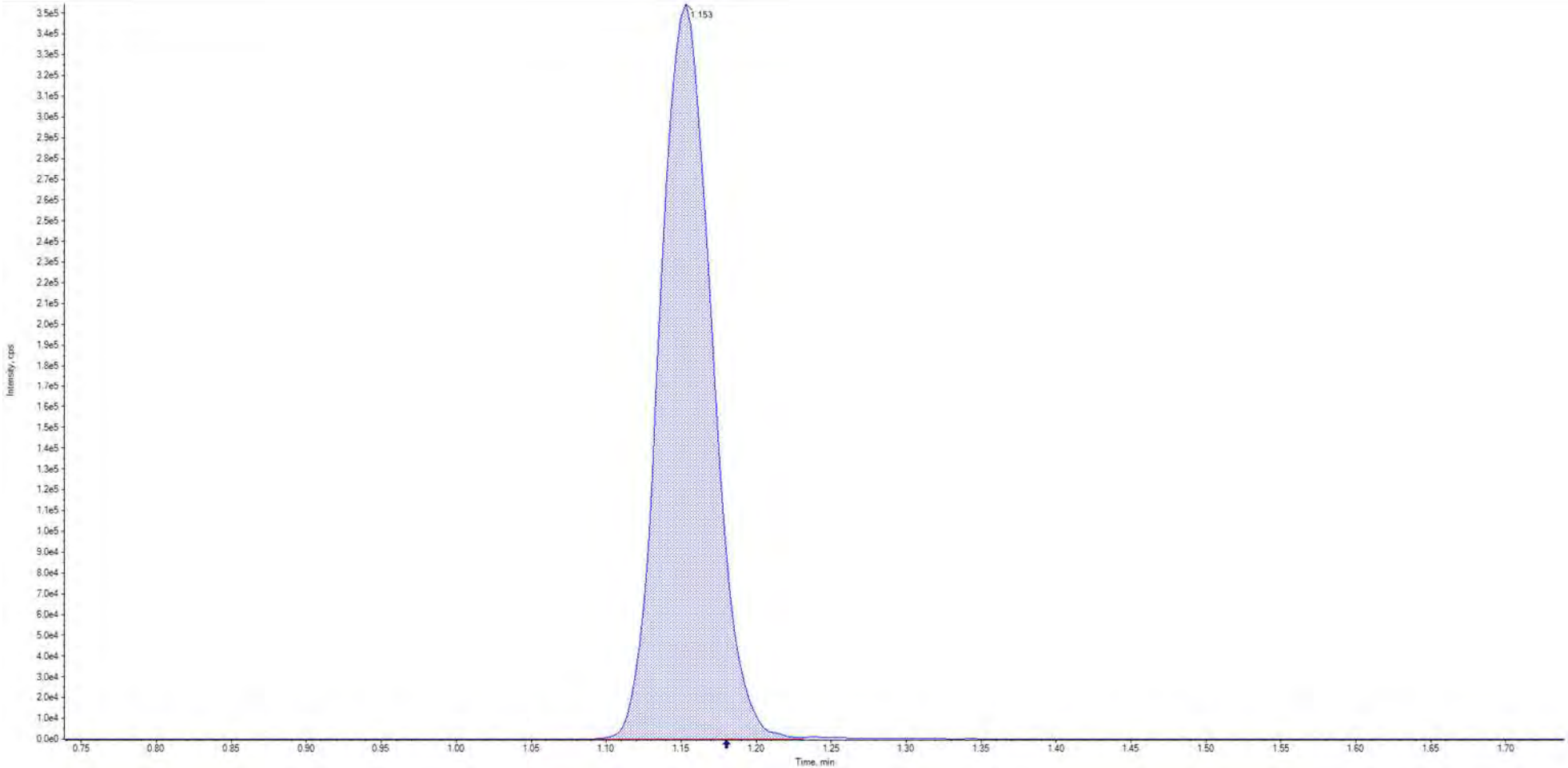


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

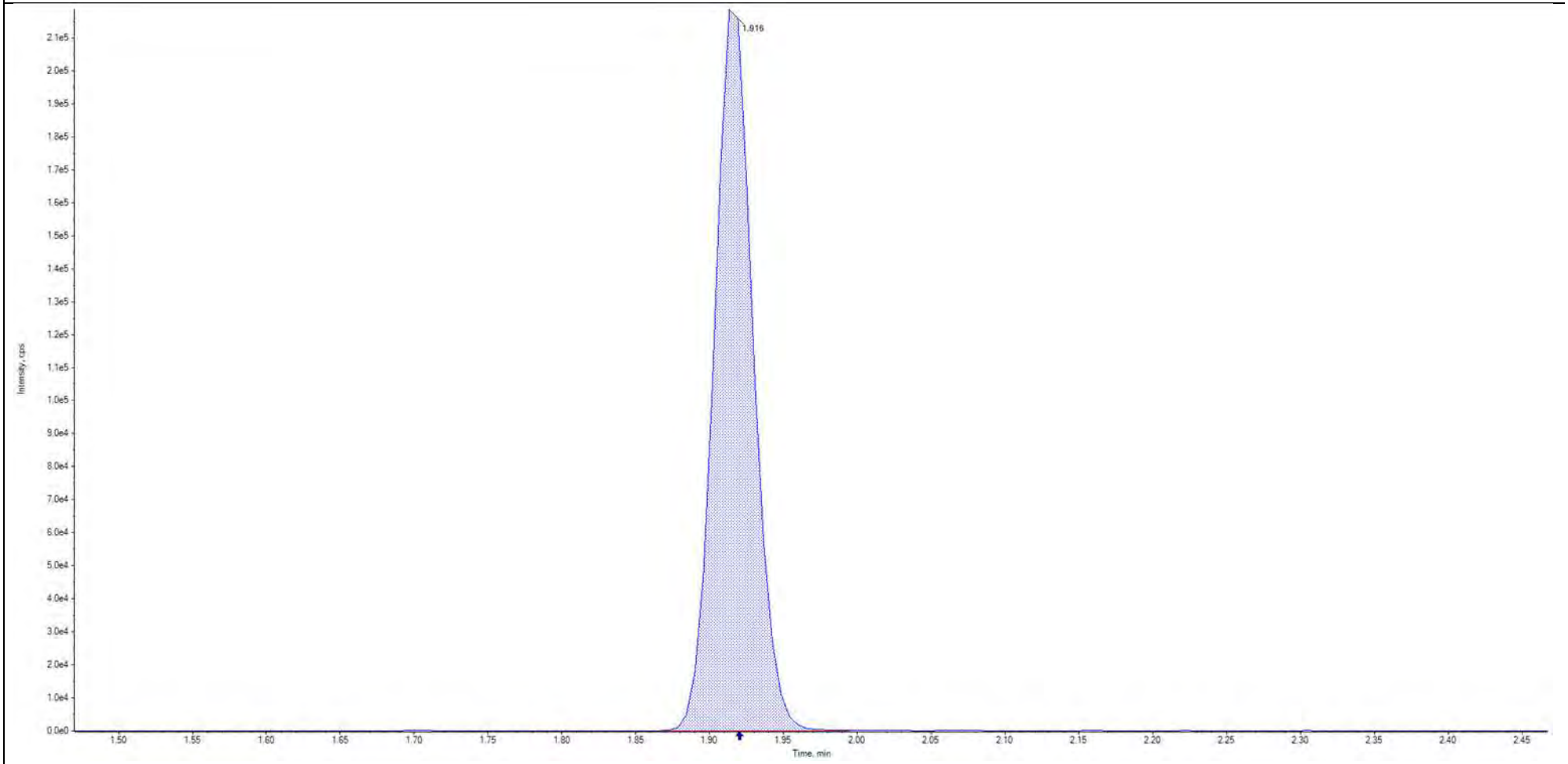
13C4-PFBA
Sample: WG2038851-2,1633FMED



13C5-PFPeA
Sample: WG2038851-2,1633FMED

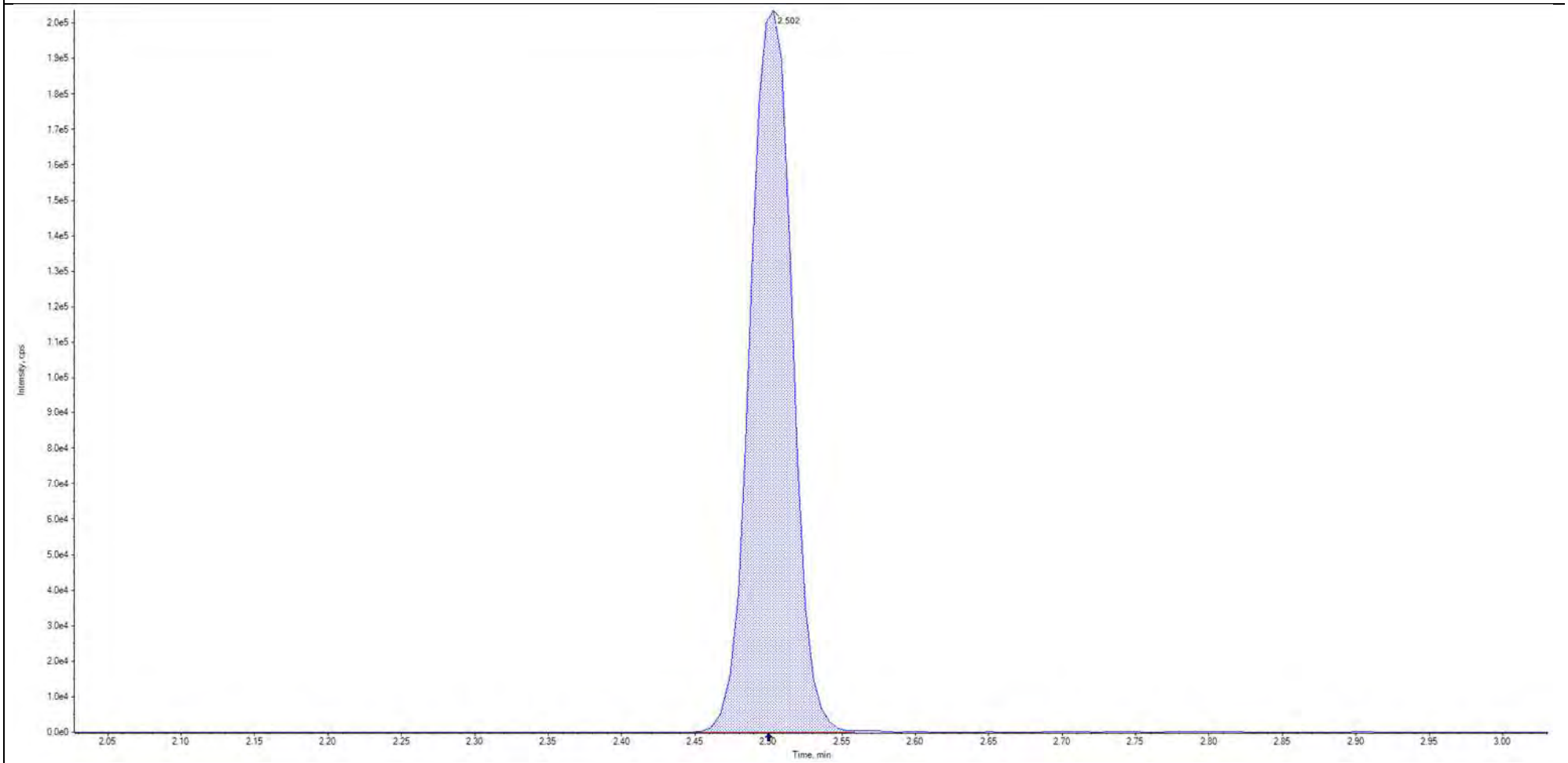


13C5-PFHxA
Sample: WG2038851-2,1633FMED

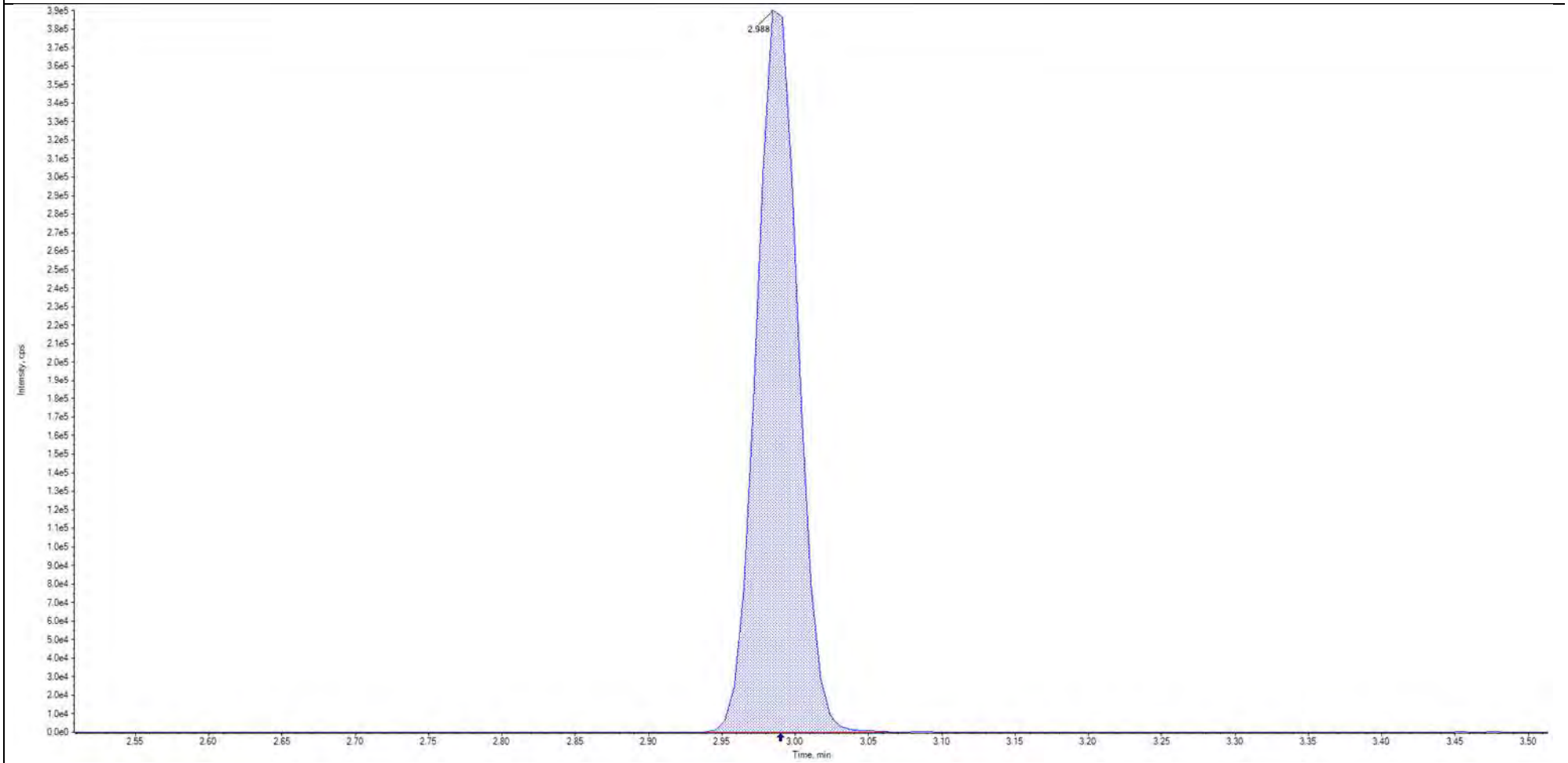


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

13C4-PFHpA
Sample: WG2038851-2,1633FMED

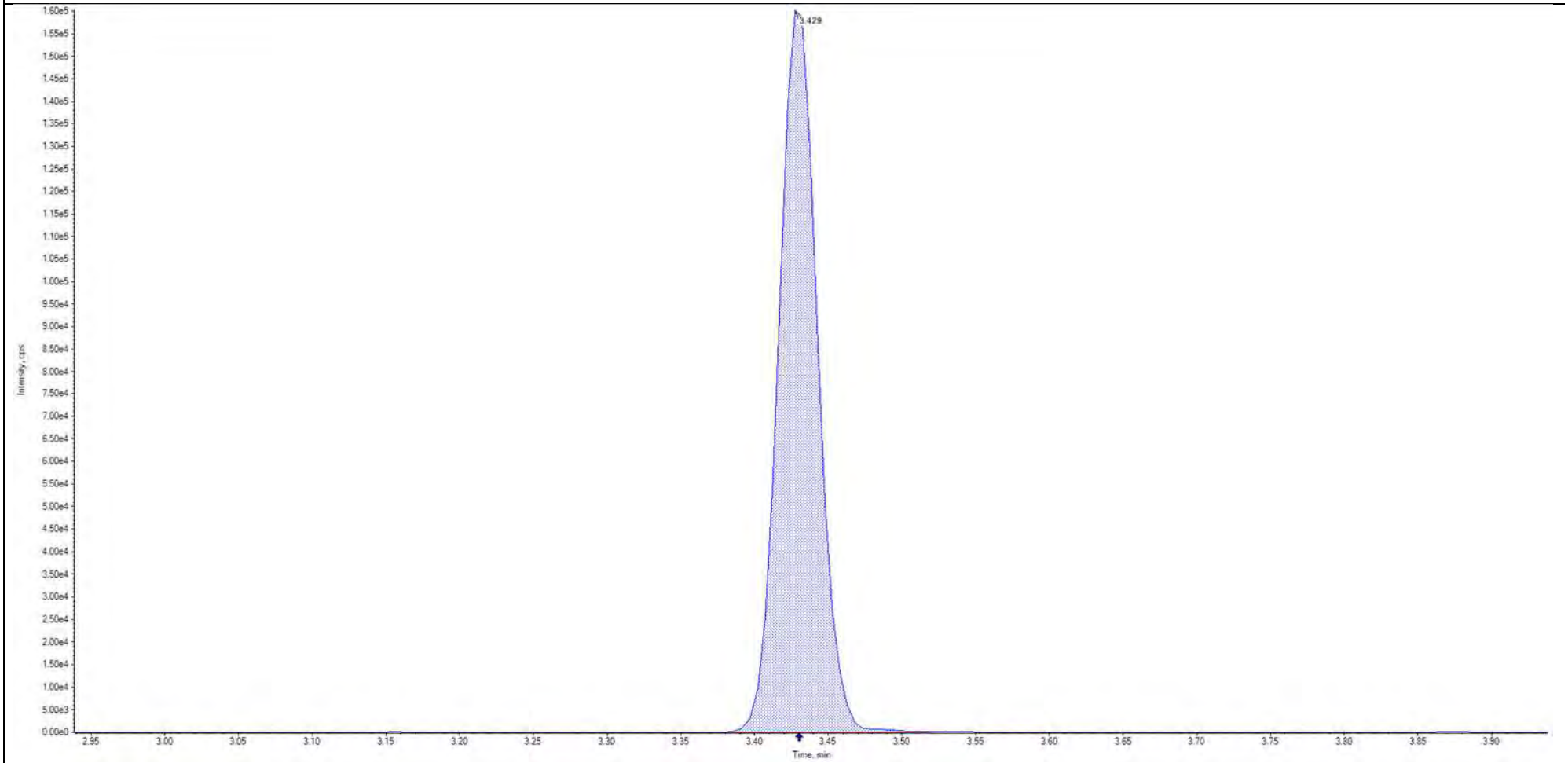


13C8-PFOA
Sample: WG2038851-2,1633FMED

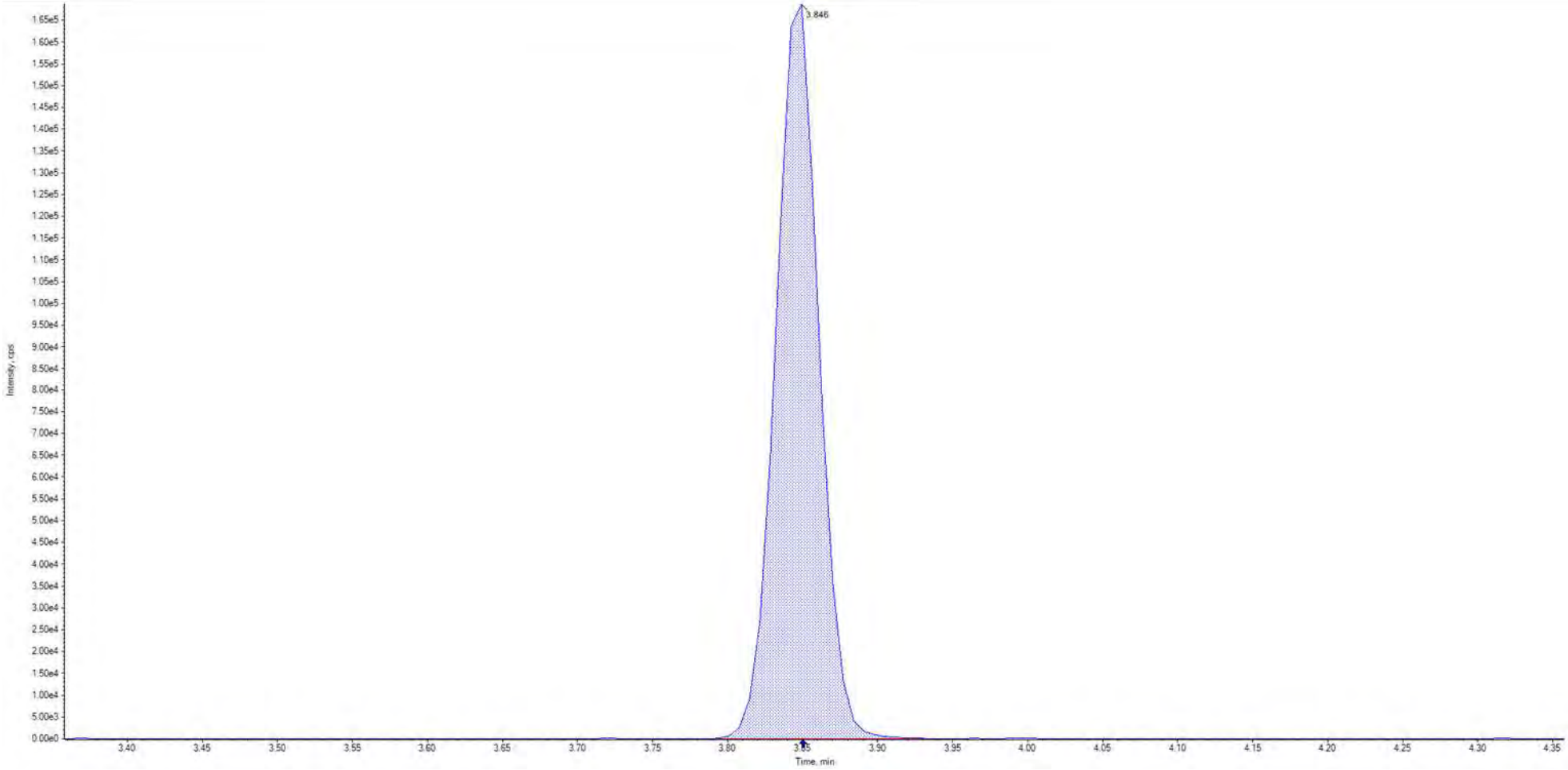


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

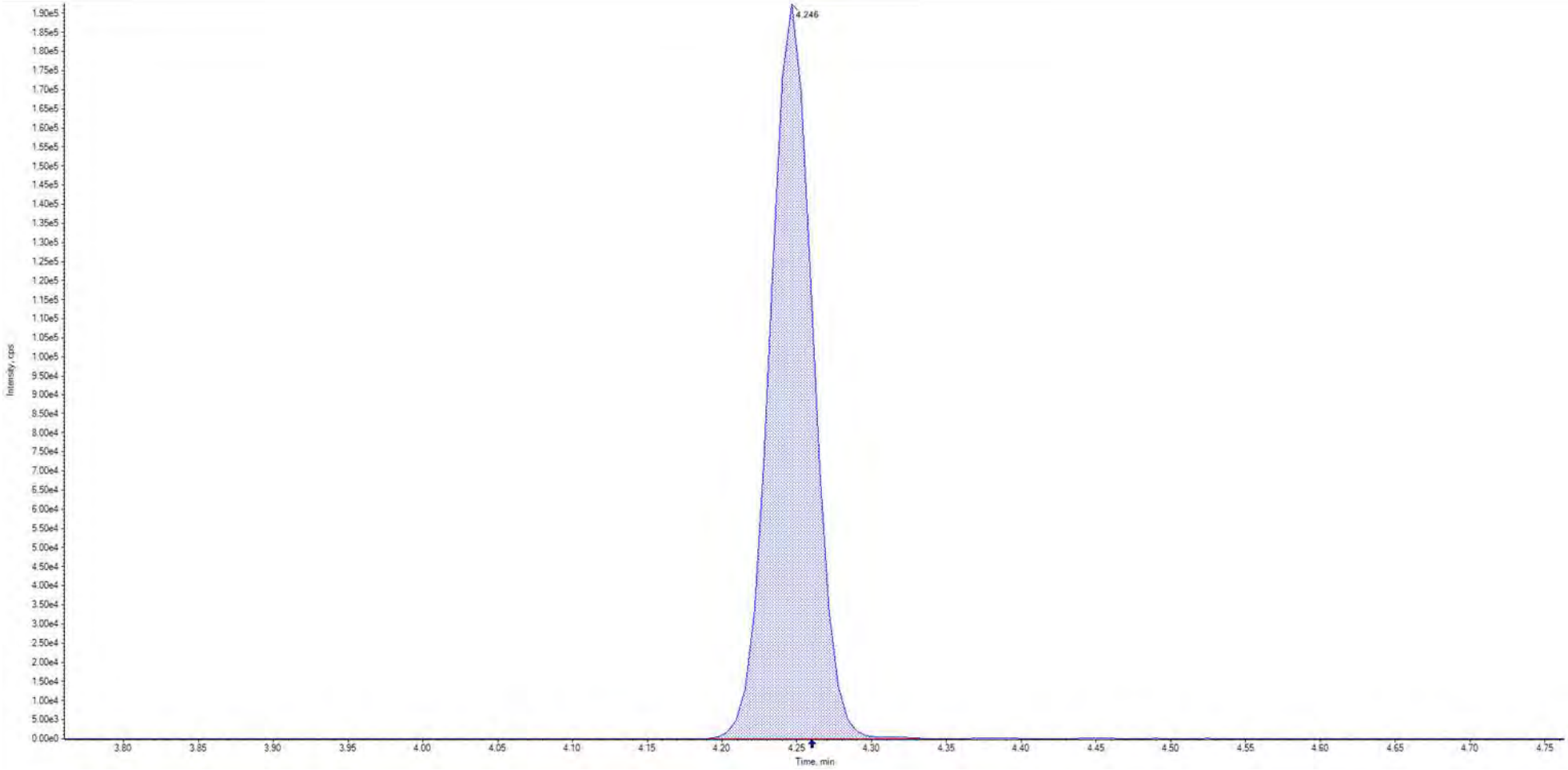
13C9-PFNA
Sample: WG2038851-2,1633FMED



13C6-PFDA
Sample: WG2038851-2,1633FMED

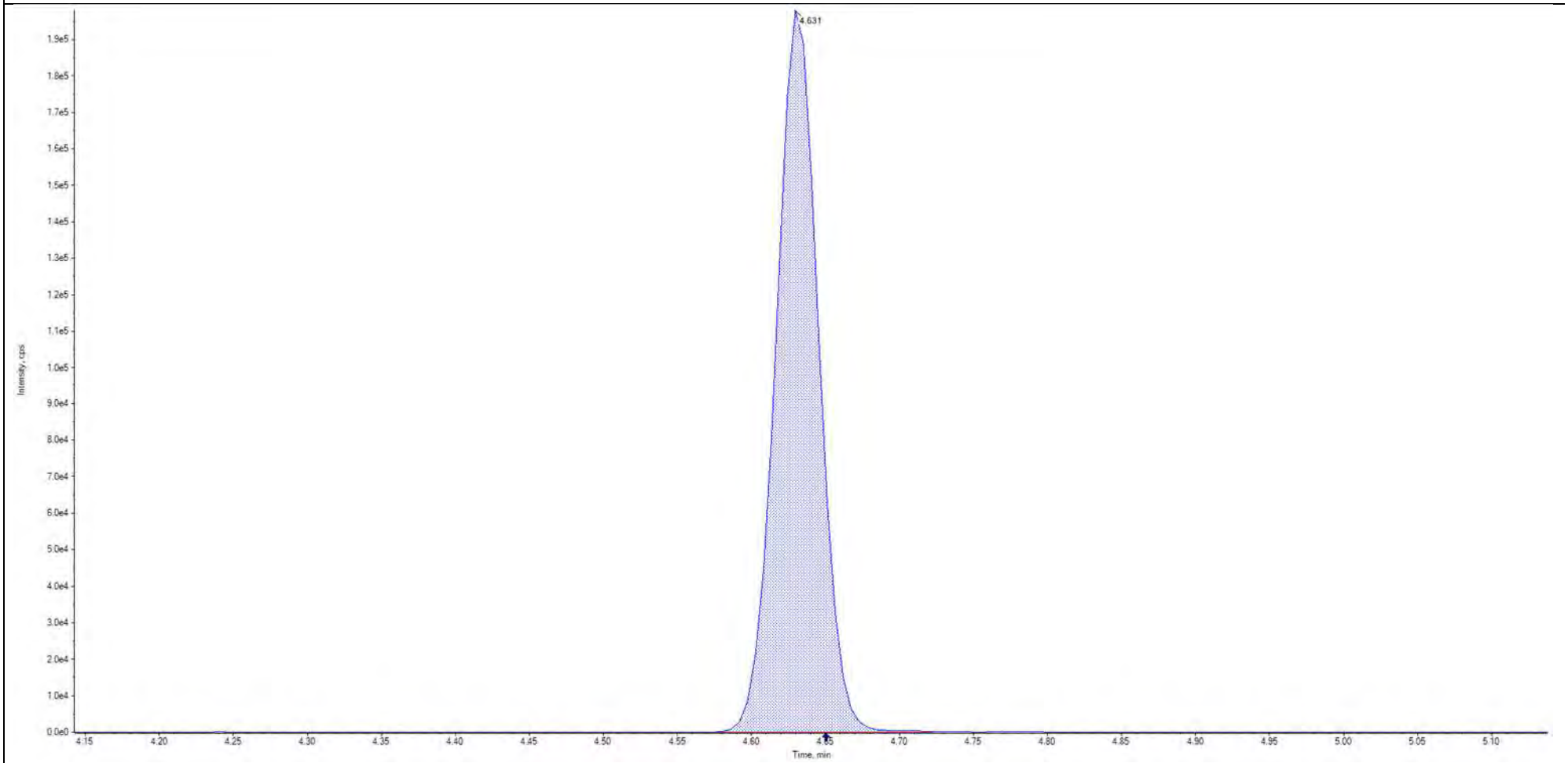


13C7-PFUnA
Sample: WG2038851-2,1633FMED



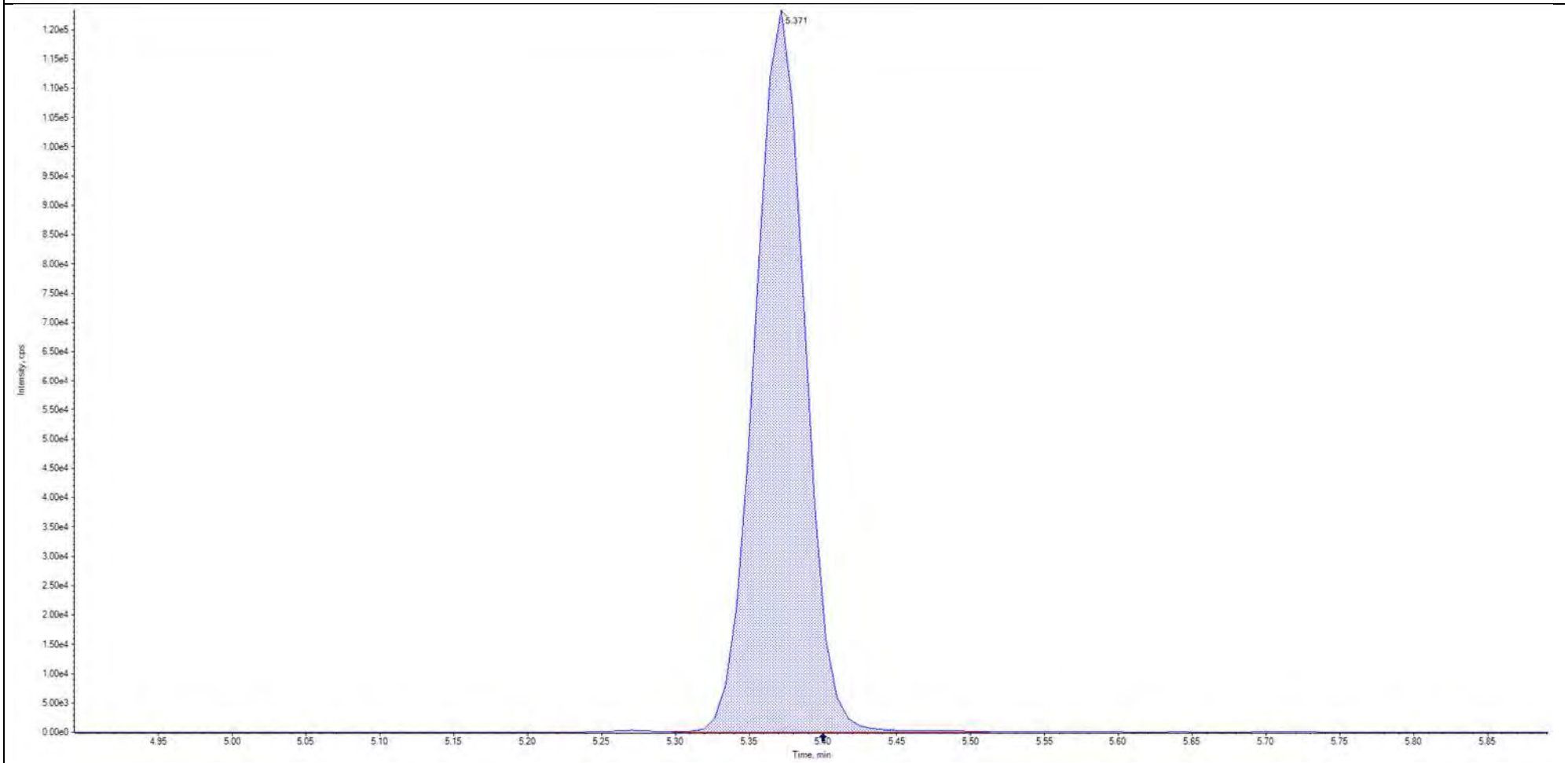
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

13C2-PFDoA
Sample: WG2038851-2,1633FMED

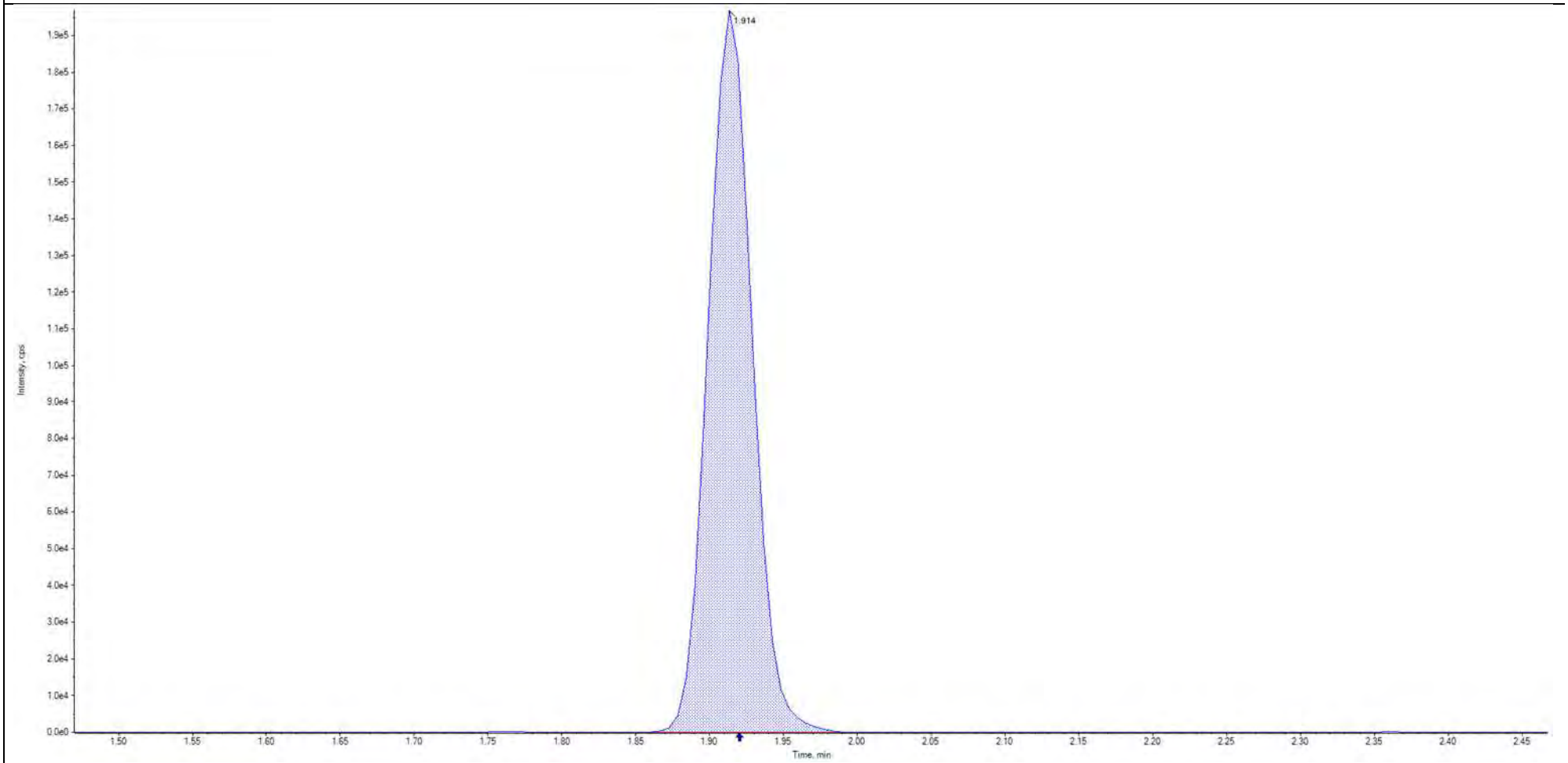


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

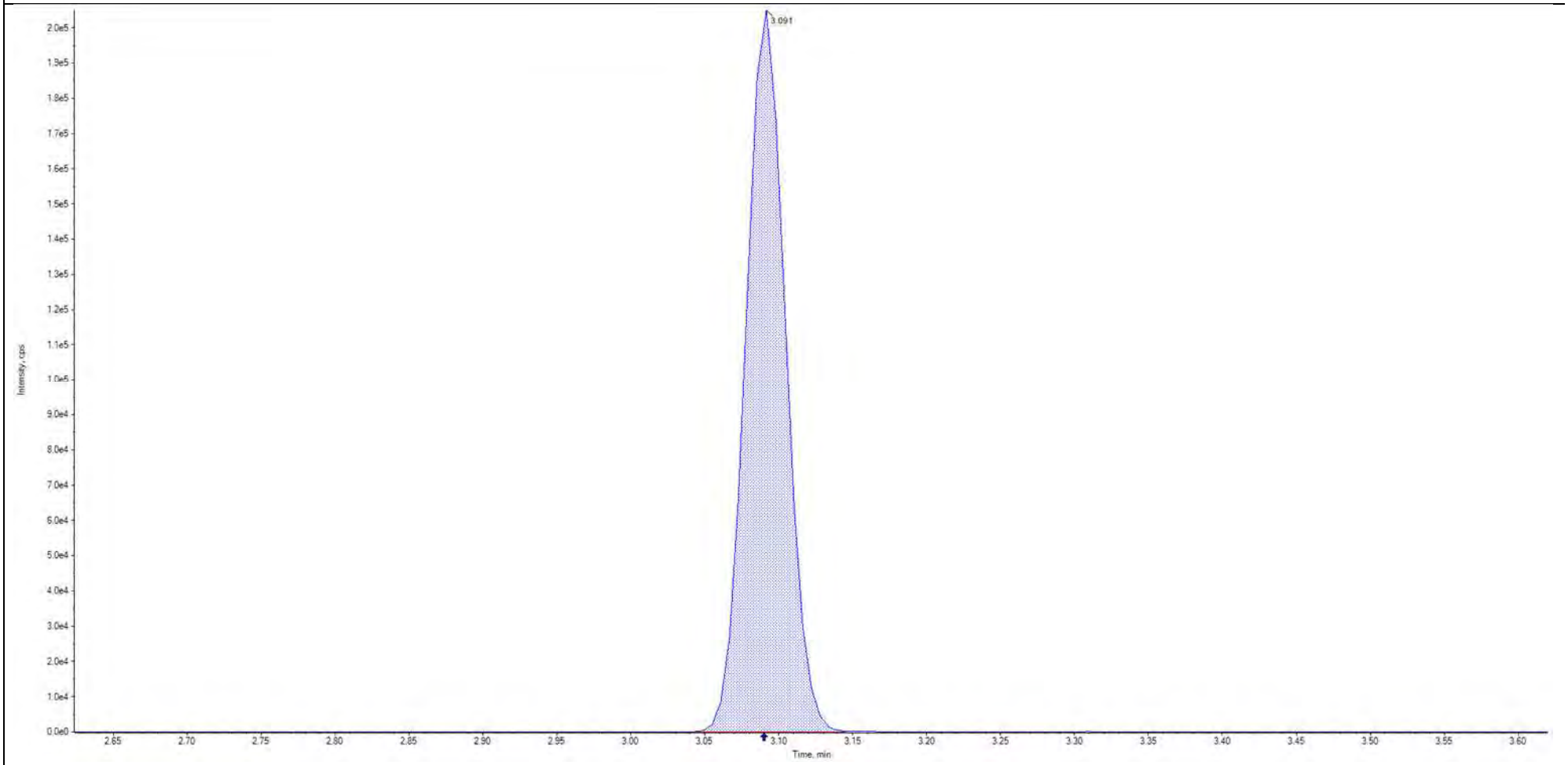
13C2-PFTeDA
Sample: WG2038851-2,1633FMED



13C3-PFBS
Sample: WG2038851-2,1633FMED

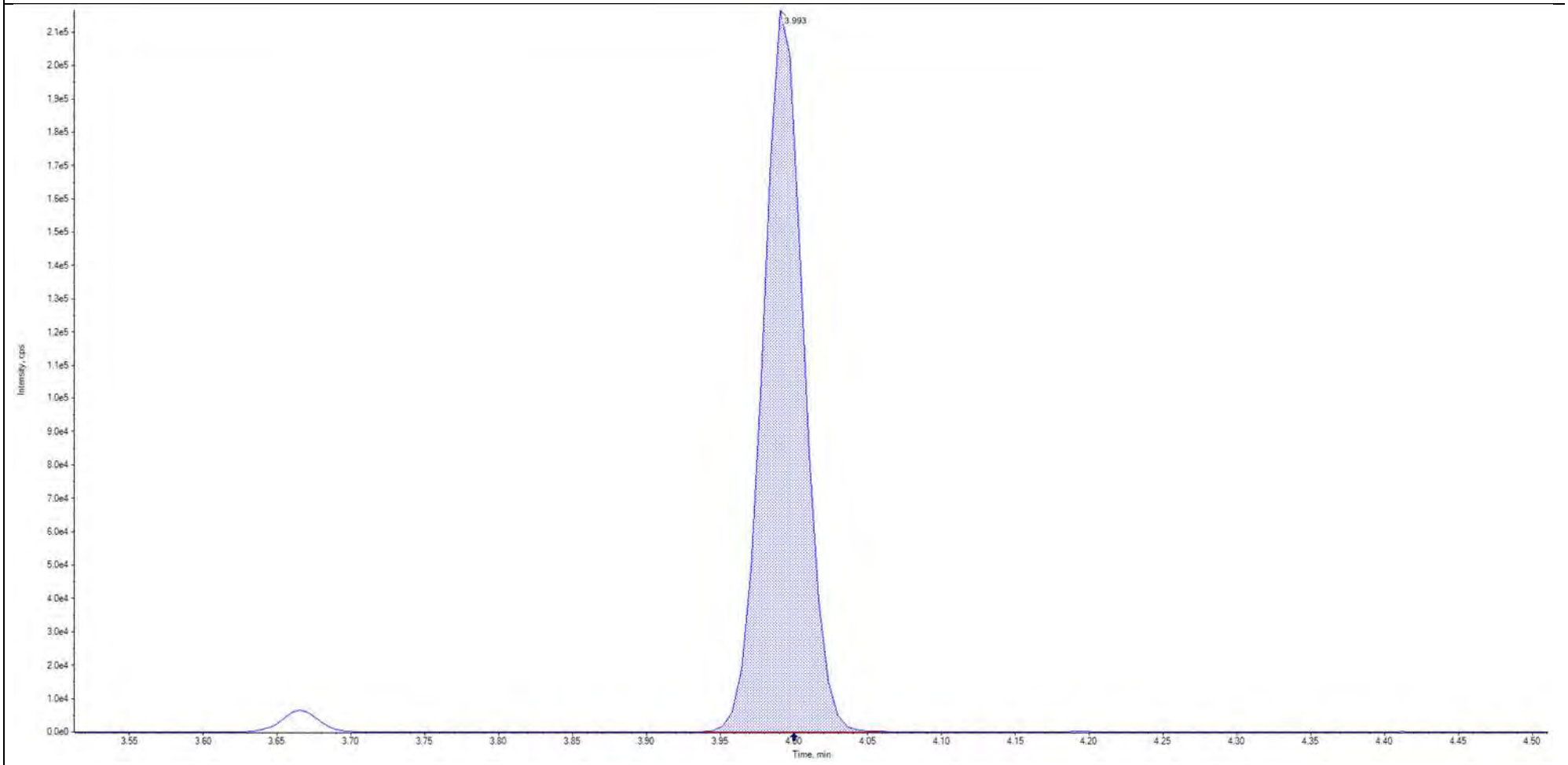


13C3-PFHxS
Sample: WG2038851-2,1633FMED

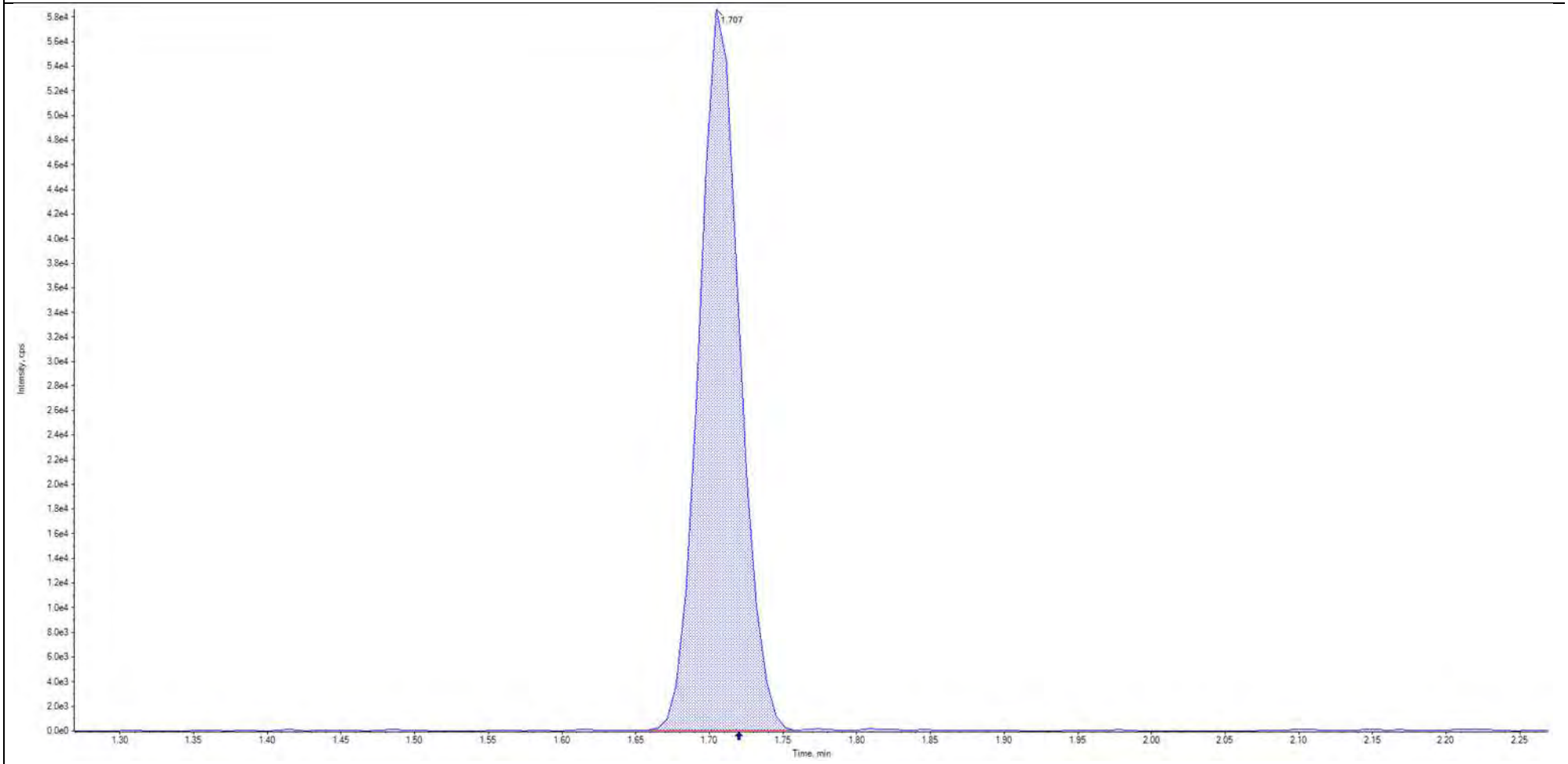


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

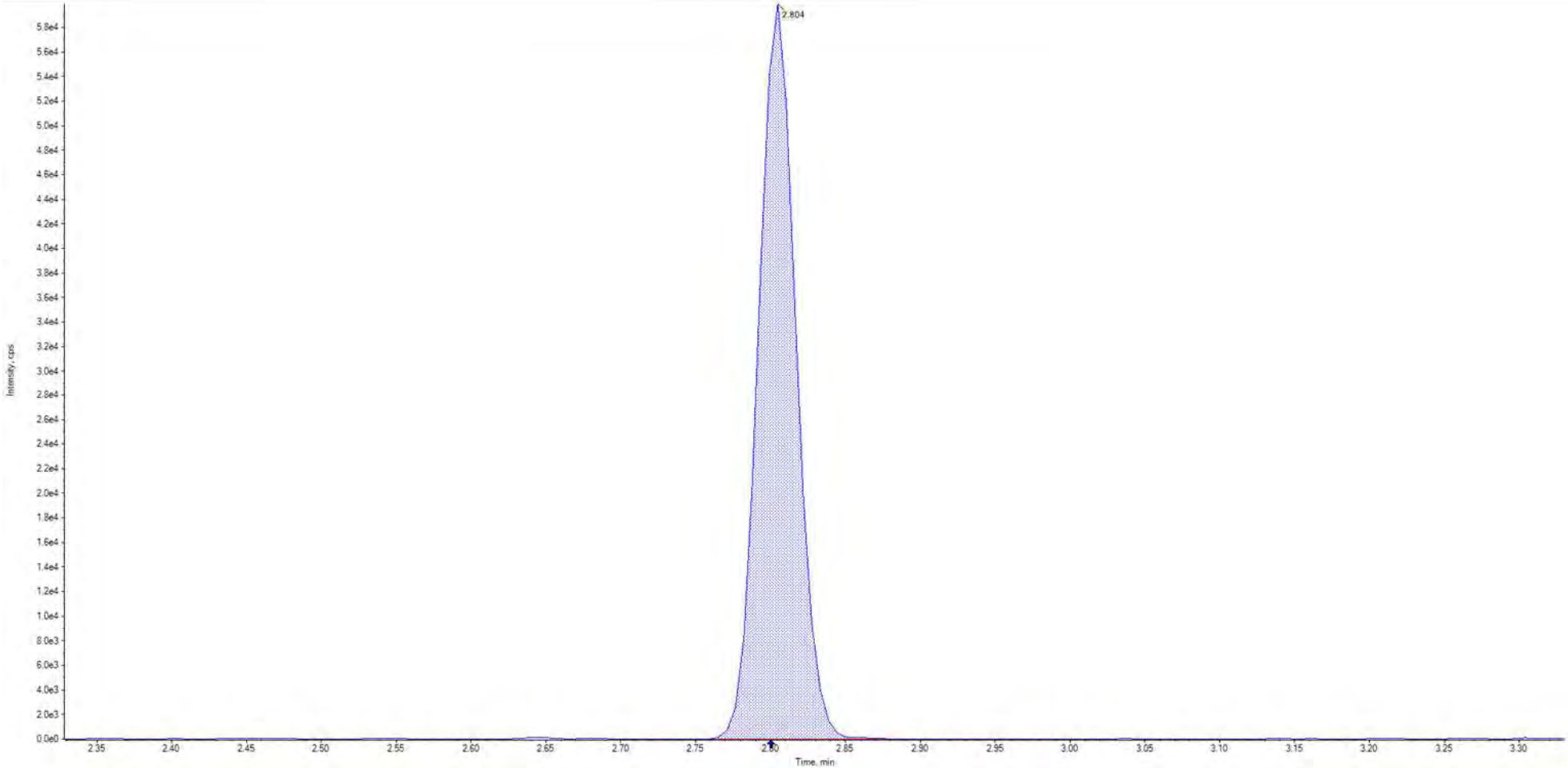
13C8-PFOS
Sample: WG2038851-2,1633FMED



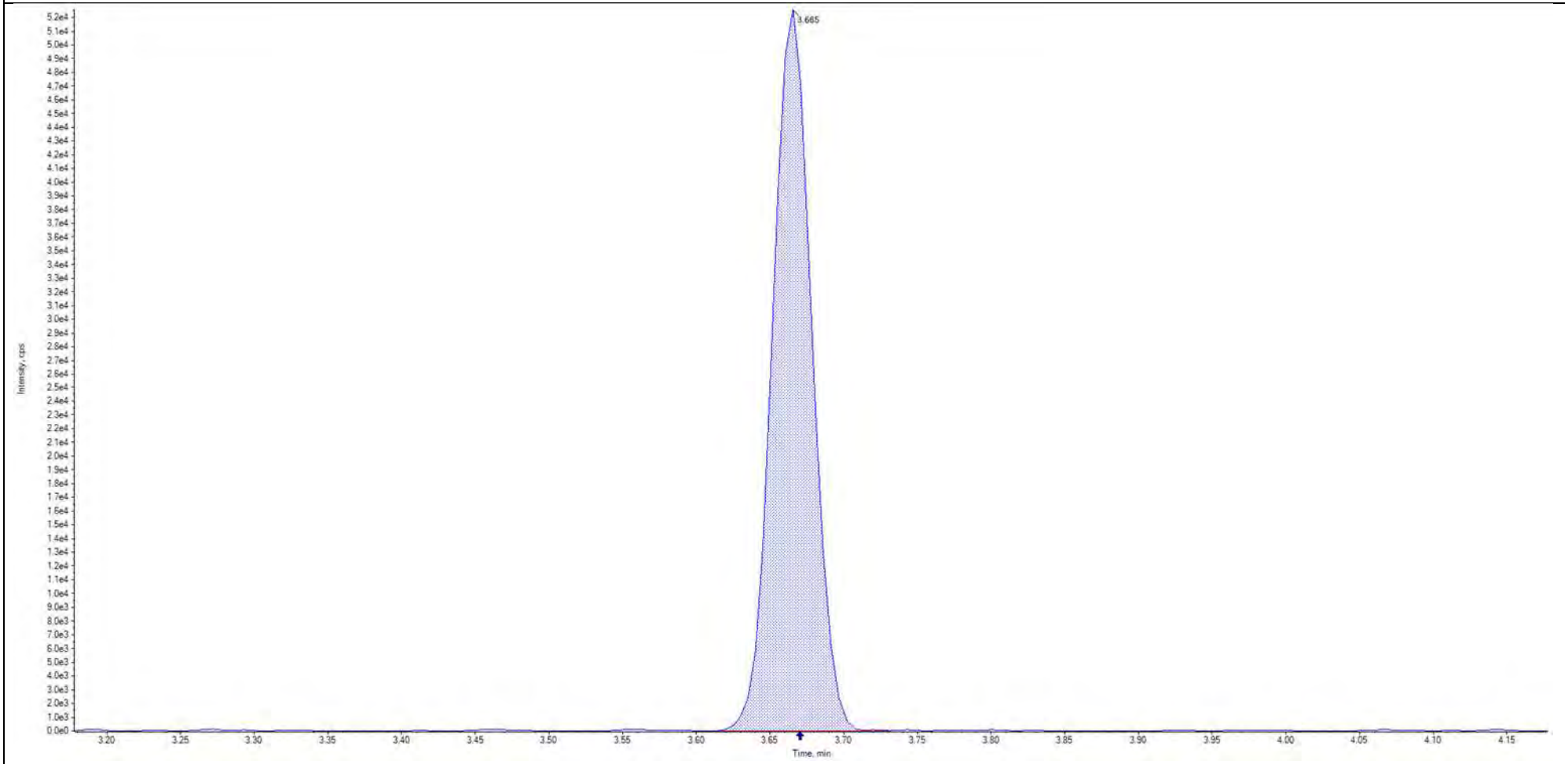
13C2-4:2FTS
Sample: WG2038851-2,1633FMED



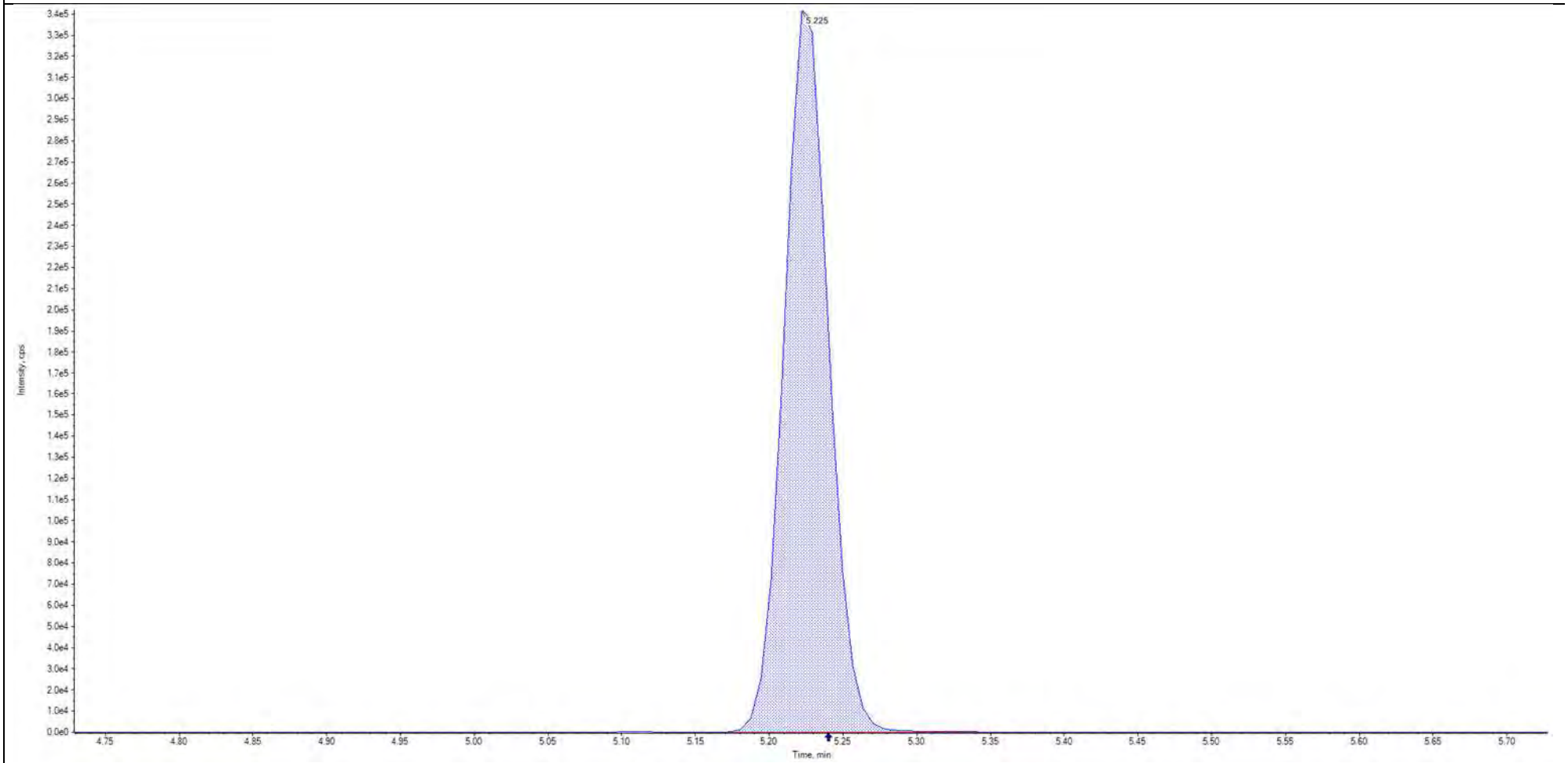
13C2-6:2FTS
Sample: WG2038851-2,1633FMED



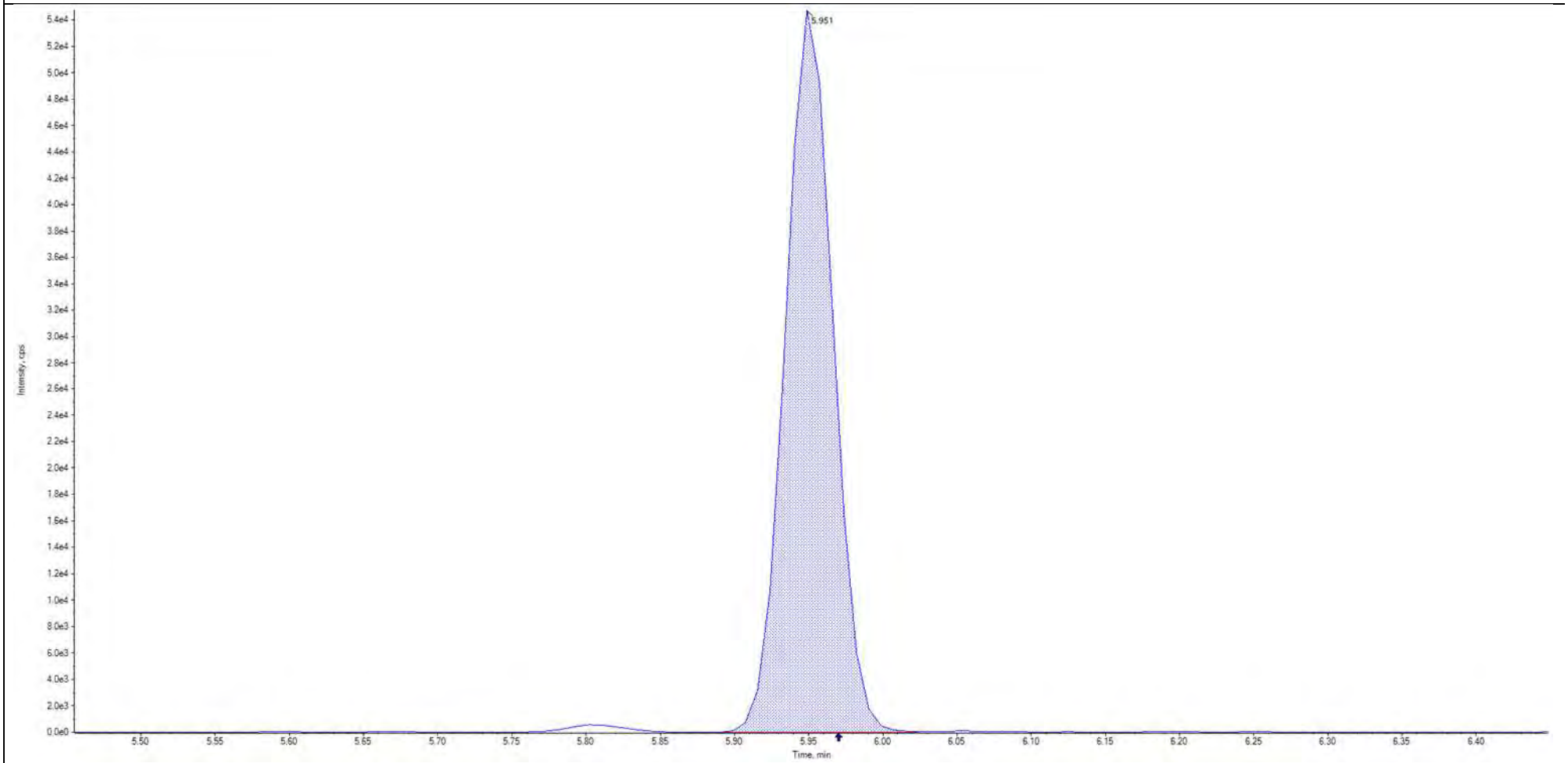
13C2-8:2FTS
Sample: WG2038851-2,1633FMED



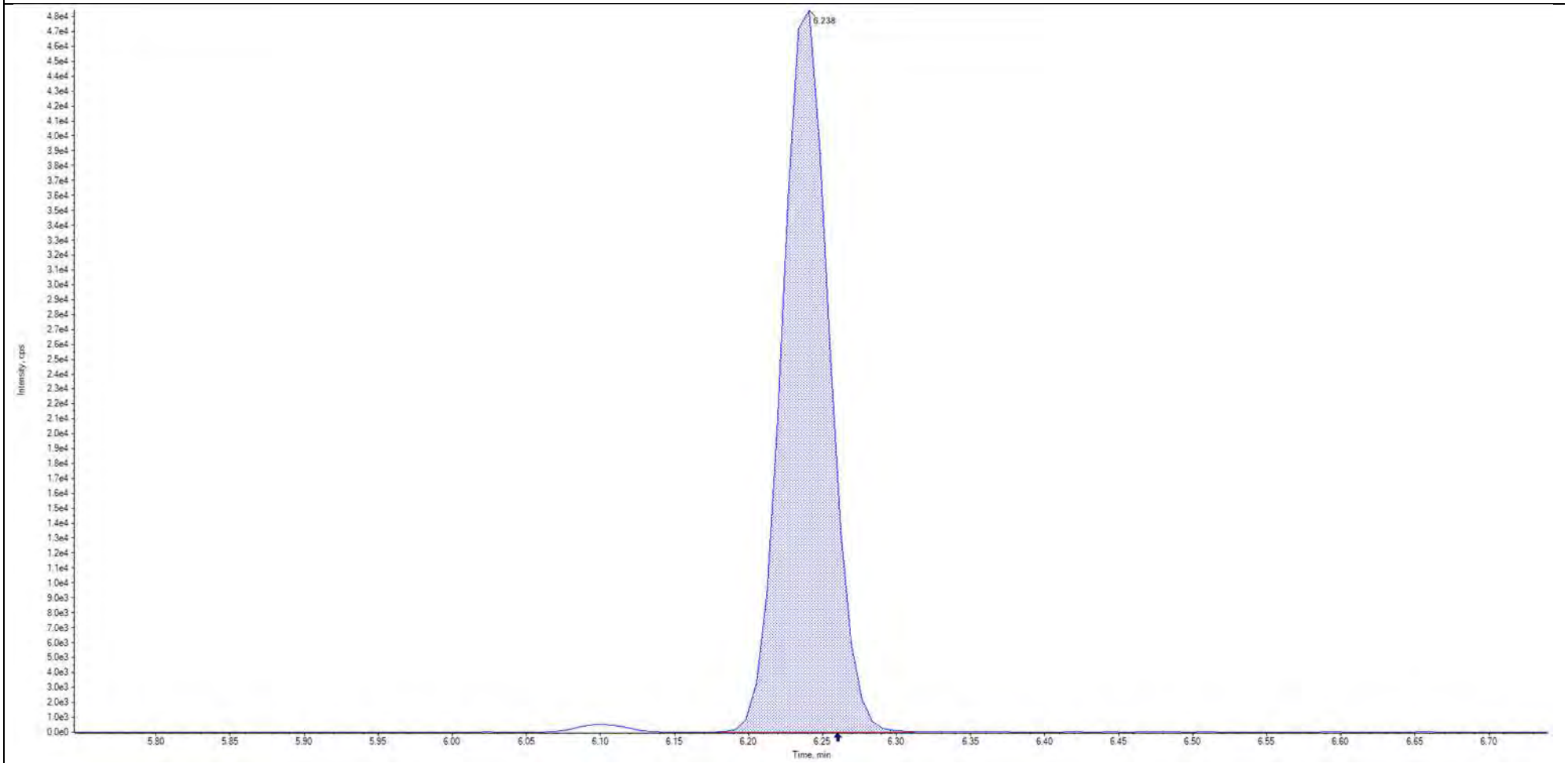
13C8-PFOSA
Sample: WG2038851-2,1633FMED



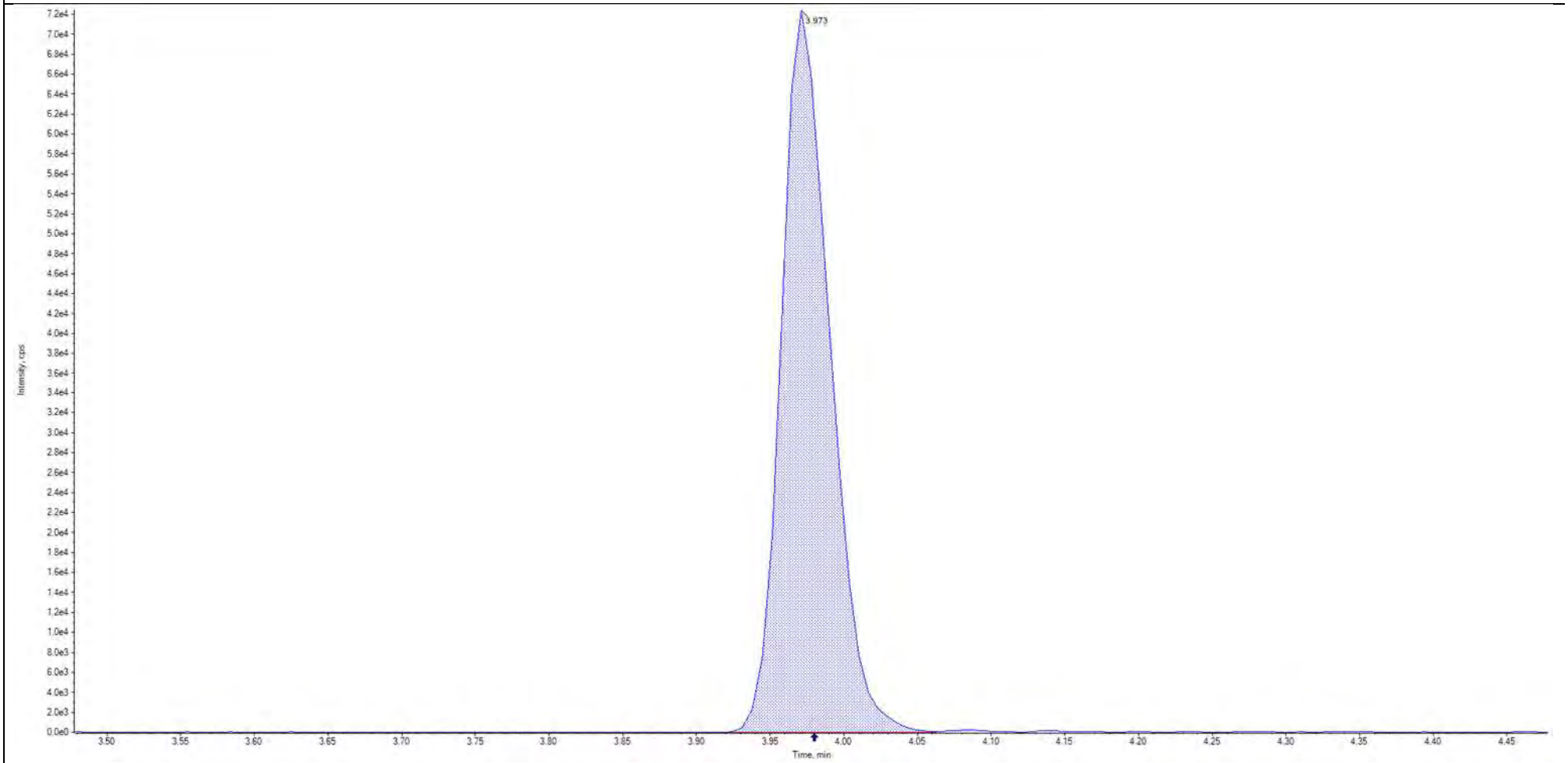
d3-NMeFOSA
Sample: WG2038851-2,1633FMED



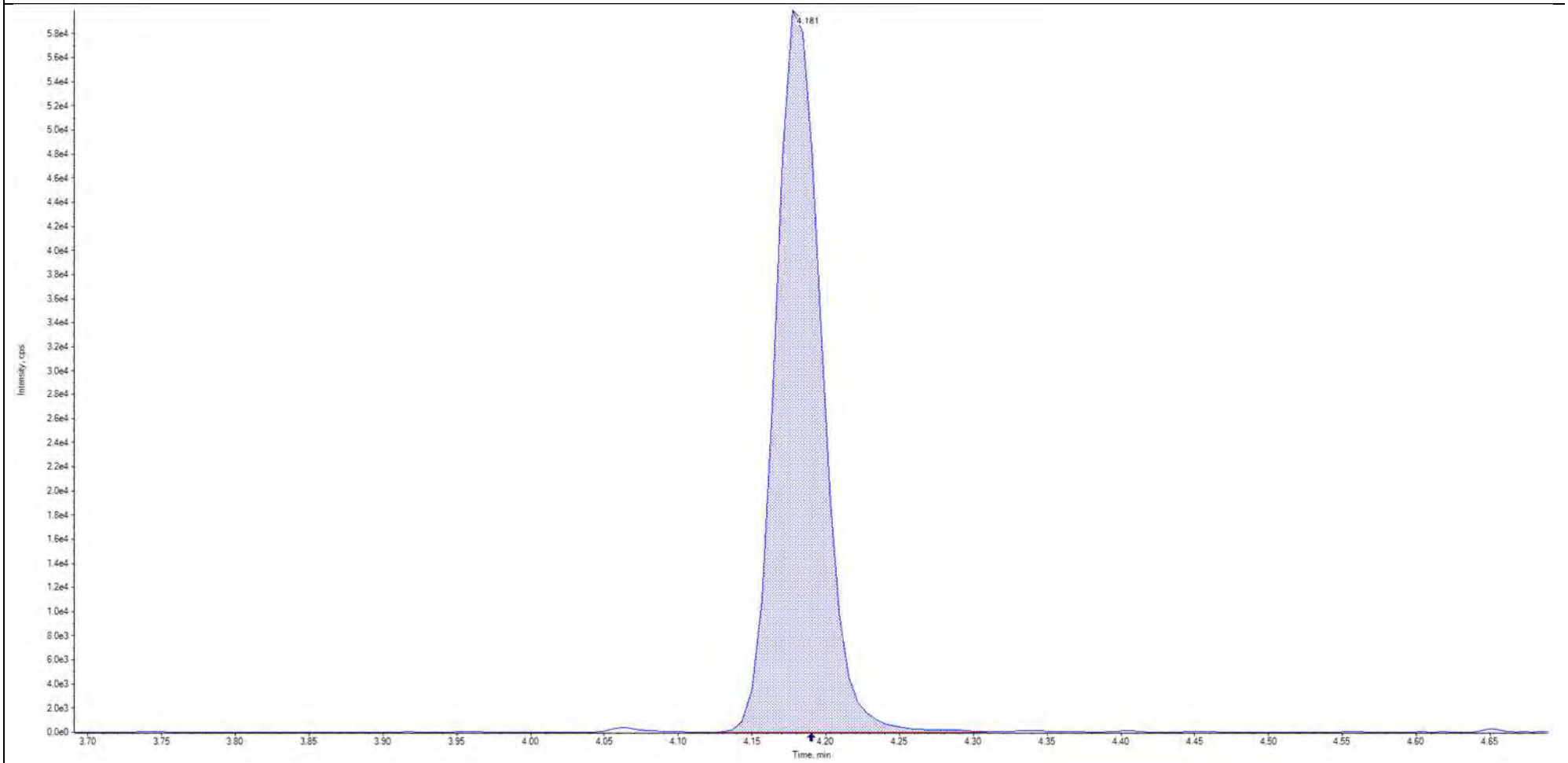
d5-NEtFOSA
Sample: WG2038851-2,1633FMED



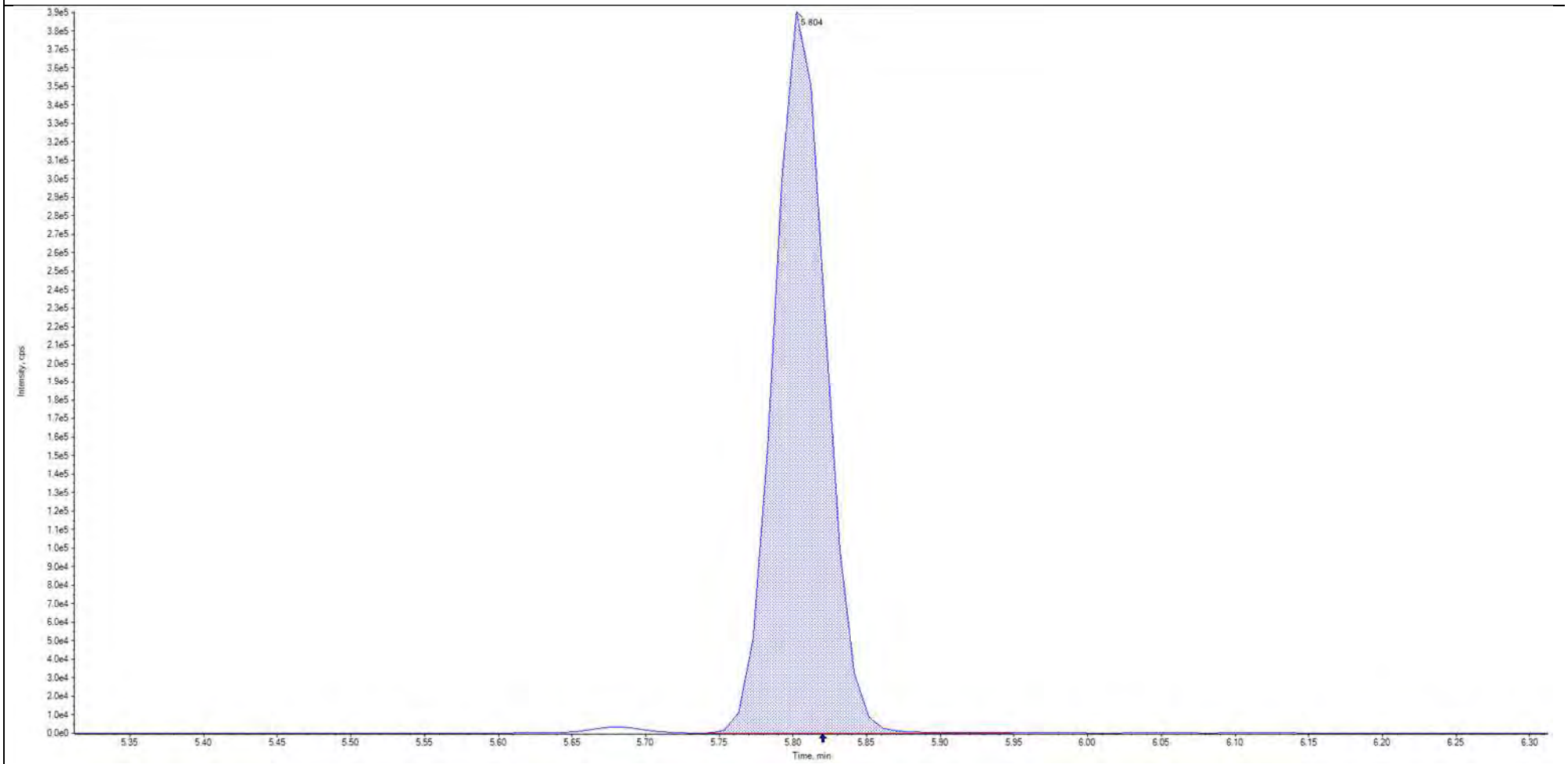
d3-NMeFOSAA
Sample: WG2038851-2,1633FMED



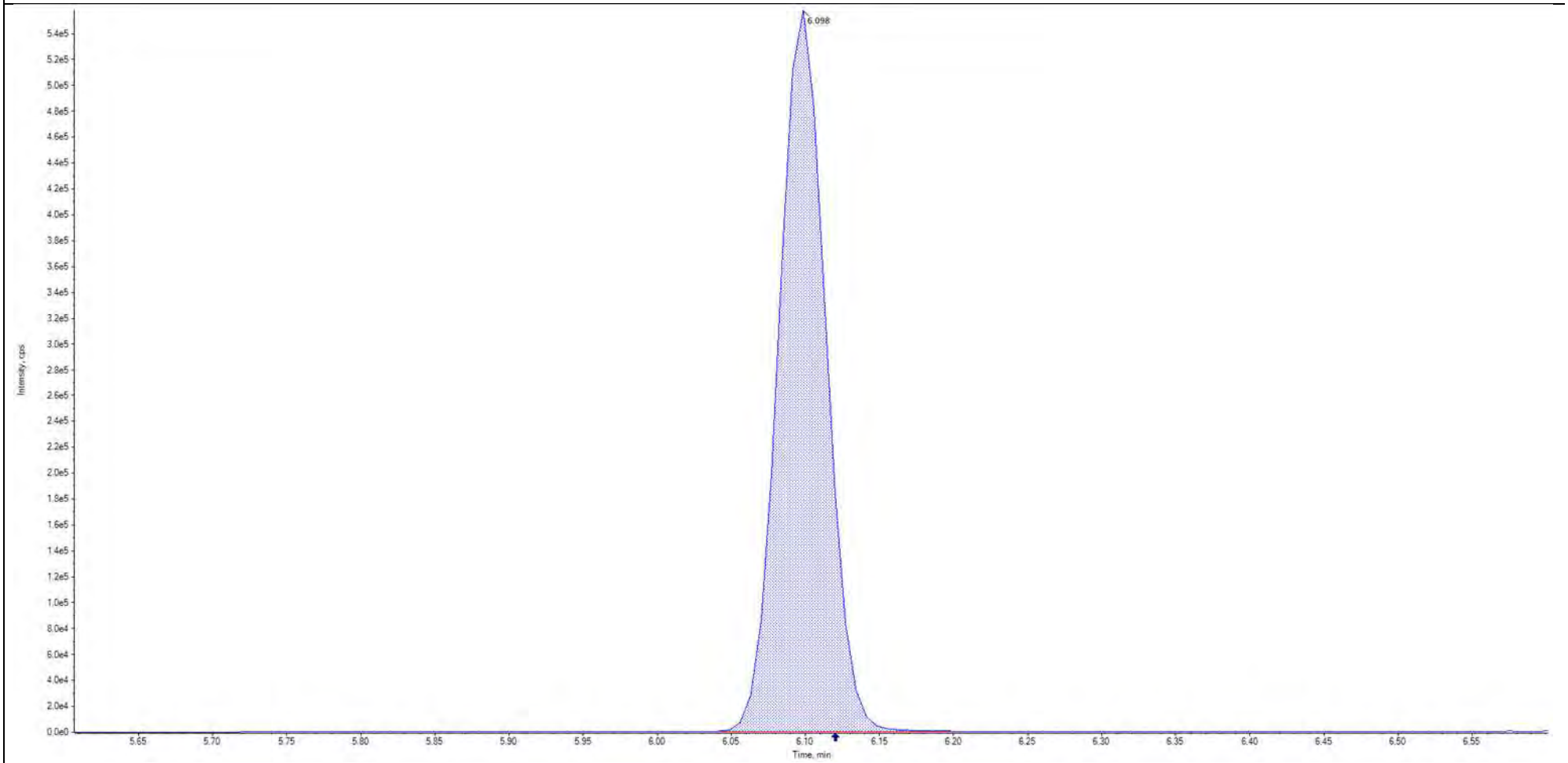
d5-NEtFOSAA
Sample: WG2038851-2,1633FMED



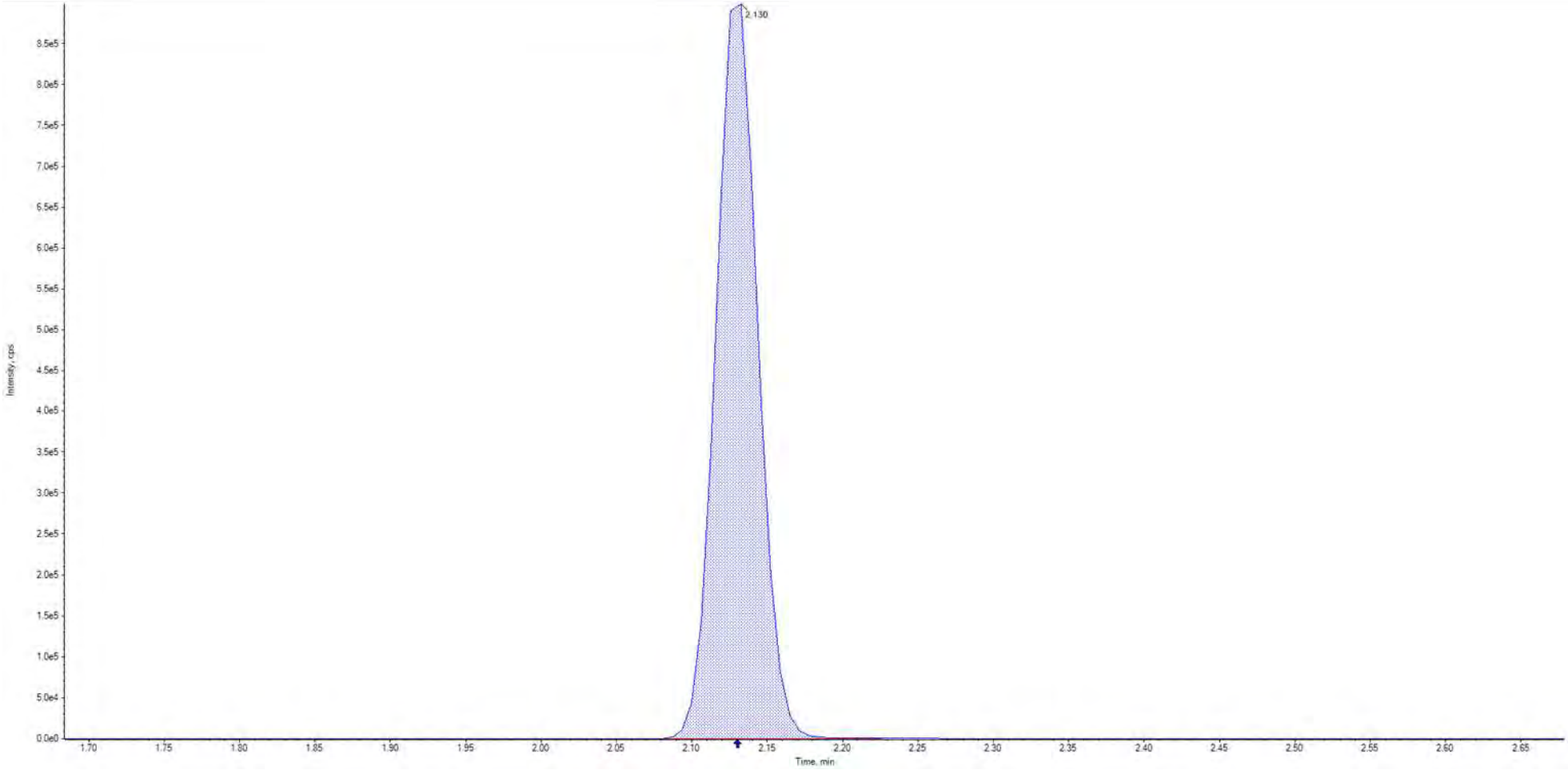
d7-NMeFOSE
Sample: WG2038851-2,1633FMED



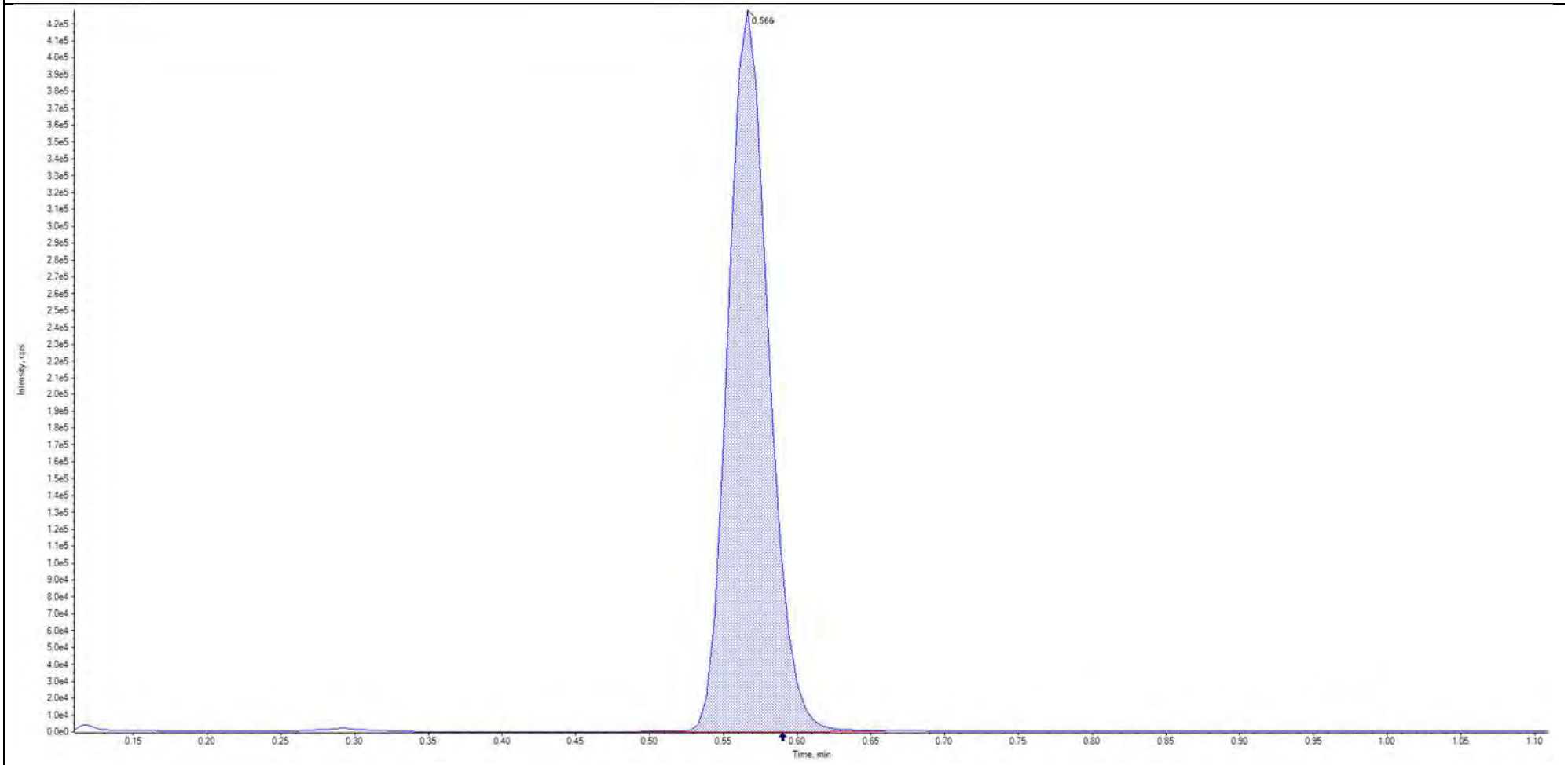
d9-NEtFOSE
Sample: WG2038851-2,1633FMED



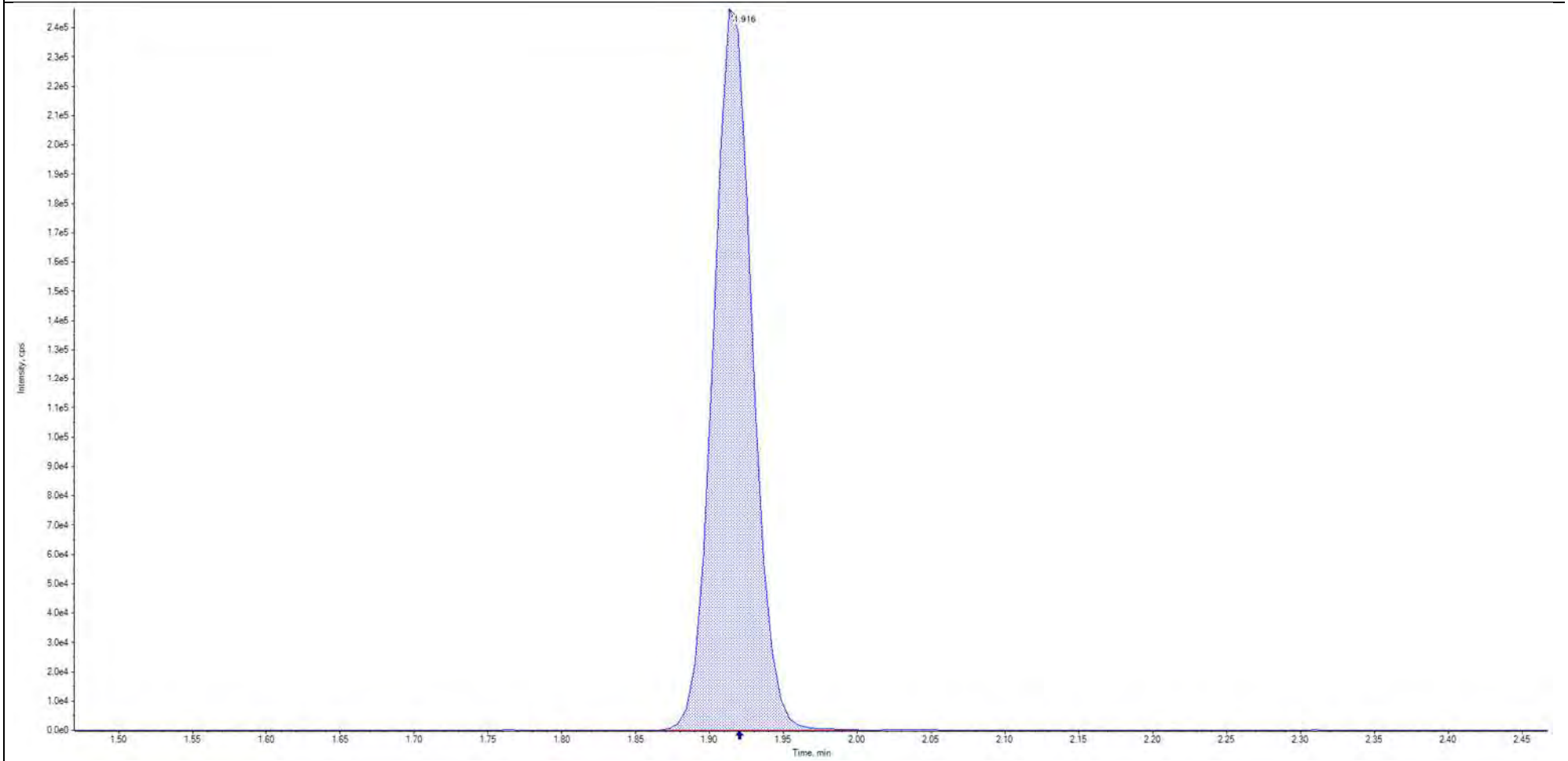
13C3-HFPO-DA
Sample: WG2038851-2,1633FMED



13C3-PFBA
Sample: WG2038851-2,1633FMED

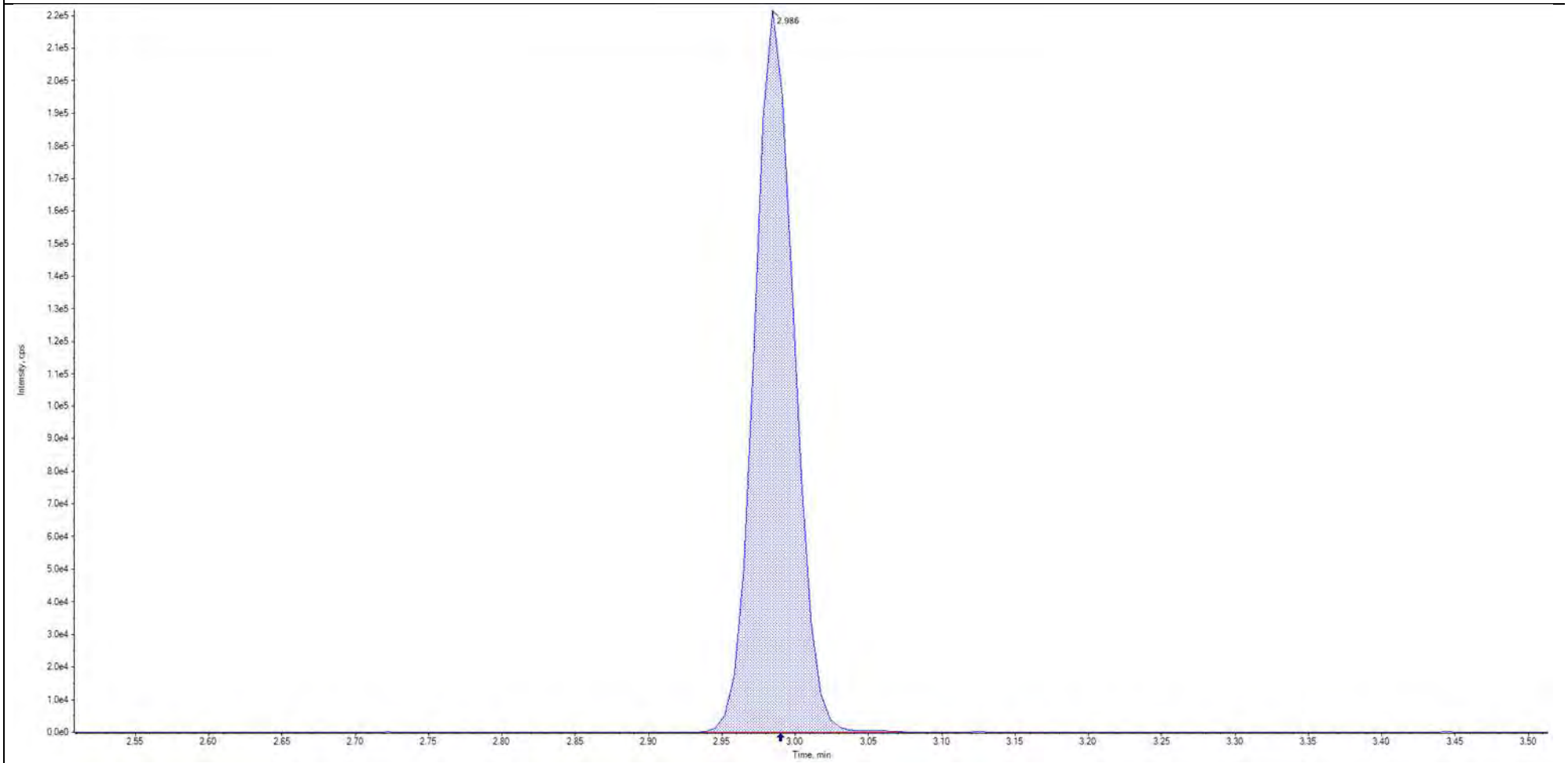


13C2-PFHxA
Sample: WG2038851-2,1633FMED

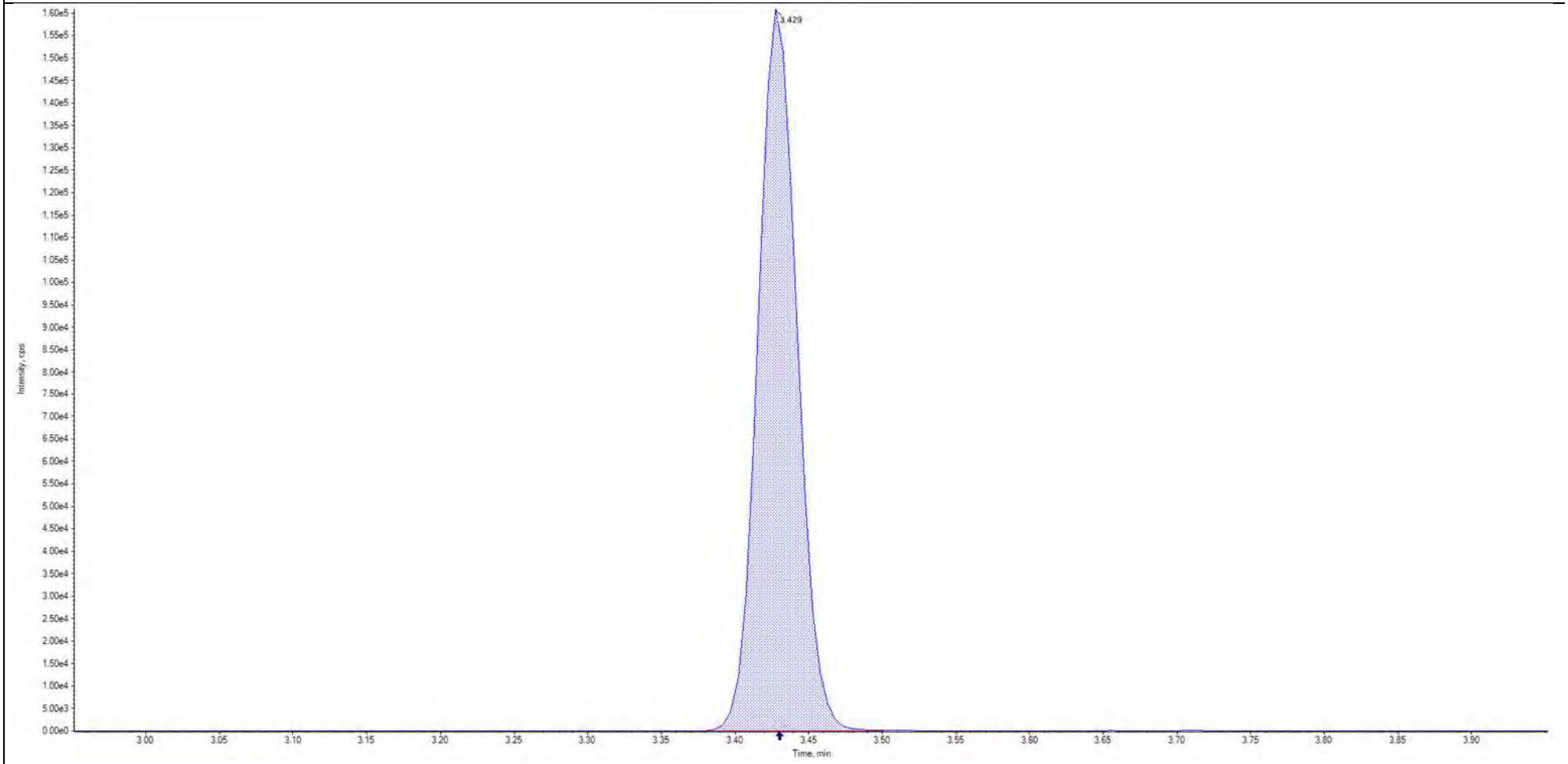


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

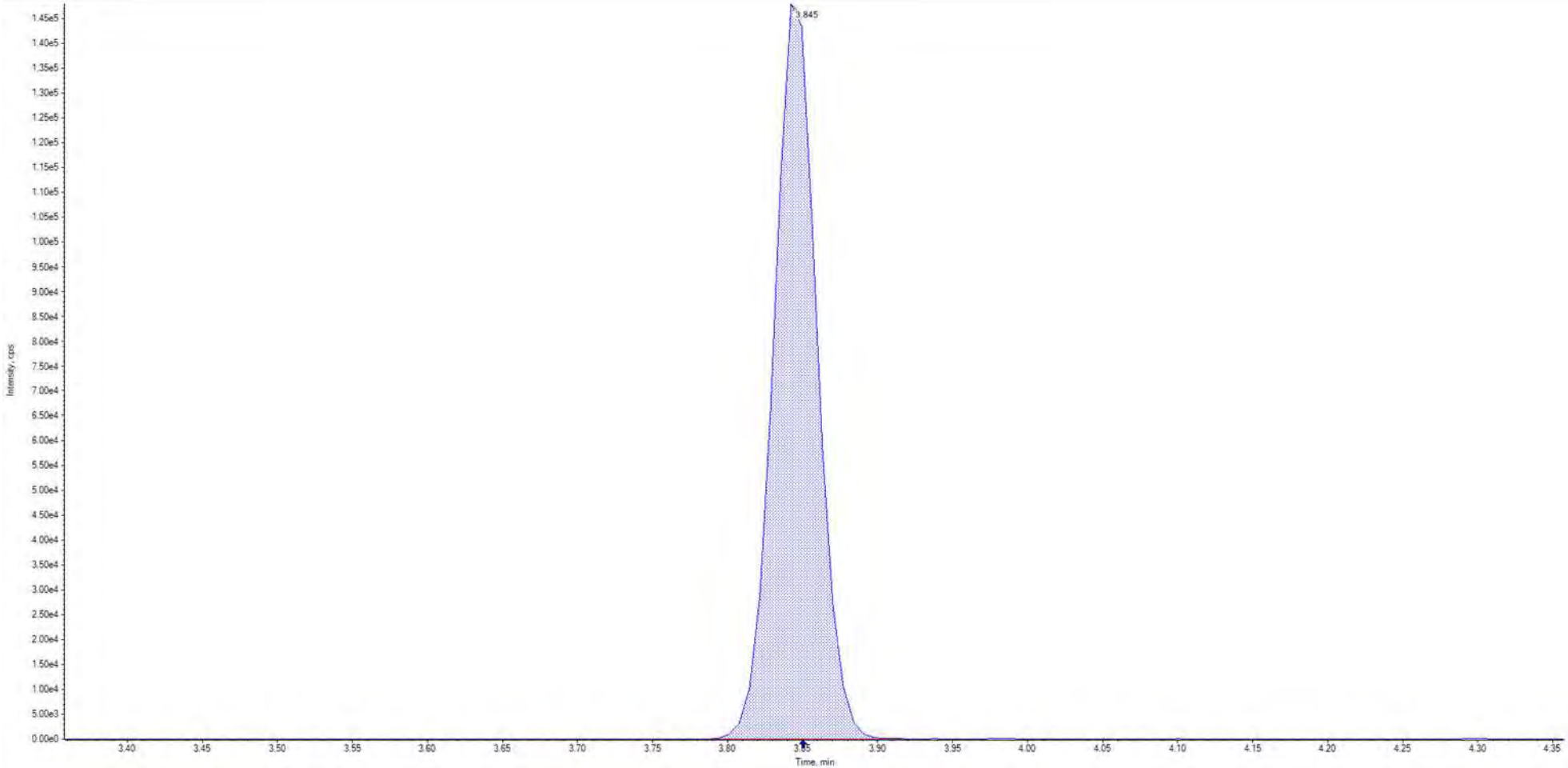
13C4-PFOA
Sample: WG2038851-2,1633FMED



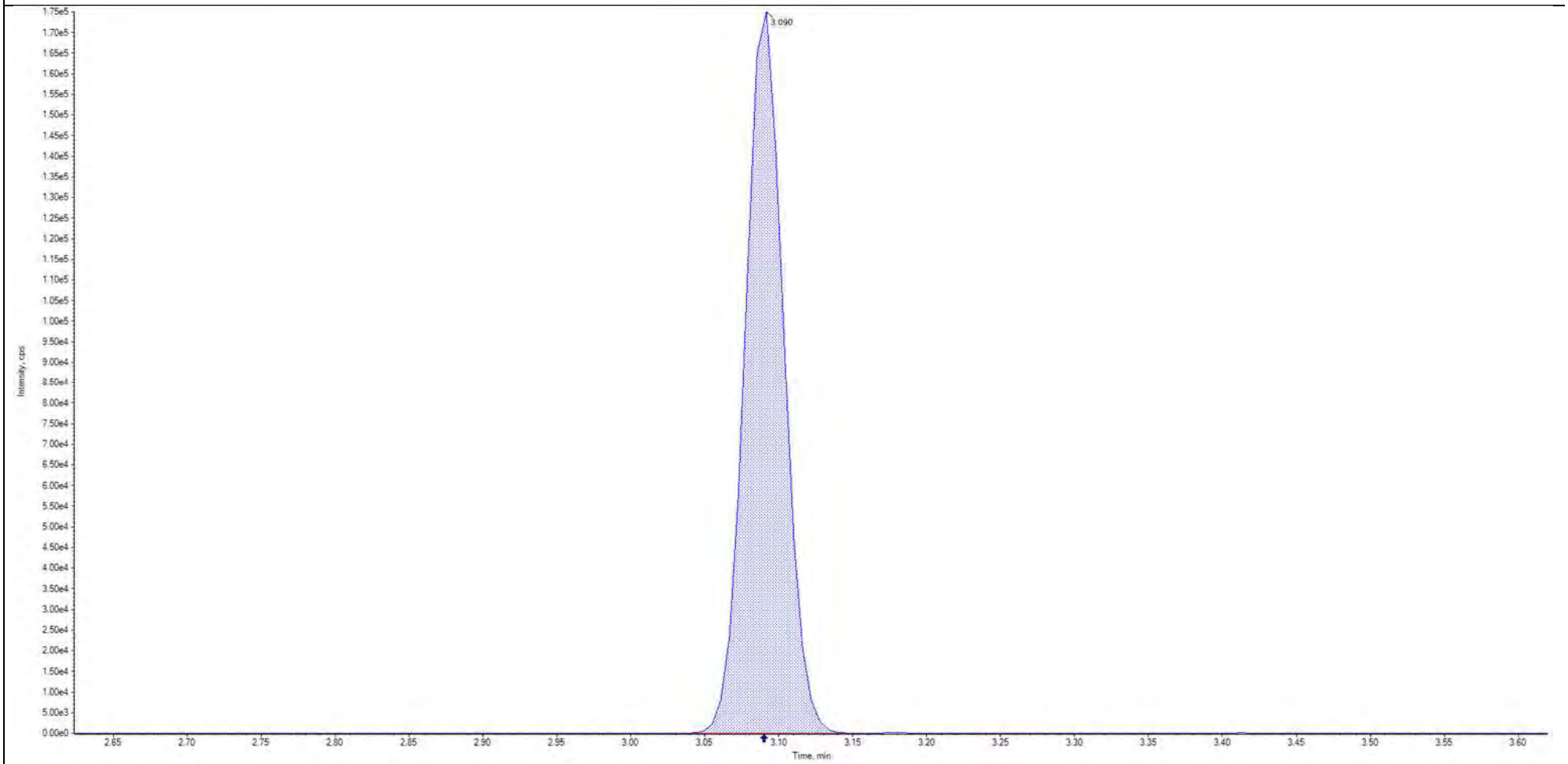
13C5-PFNA
Sample: WG2038851-2,1633FMED



13C2-PFDA
Sample: WG2038851-2,1633FMED

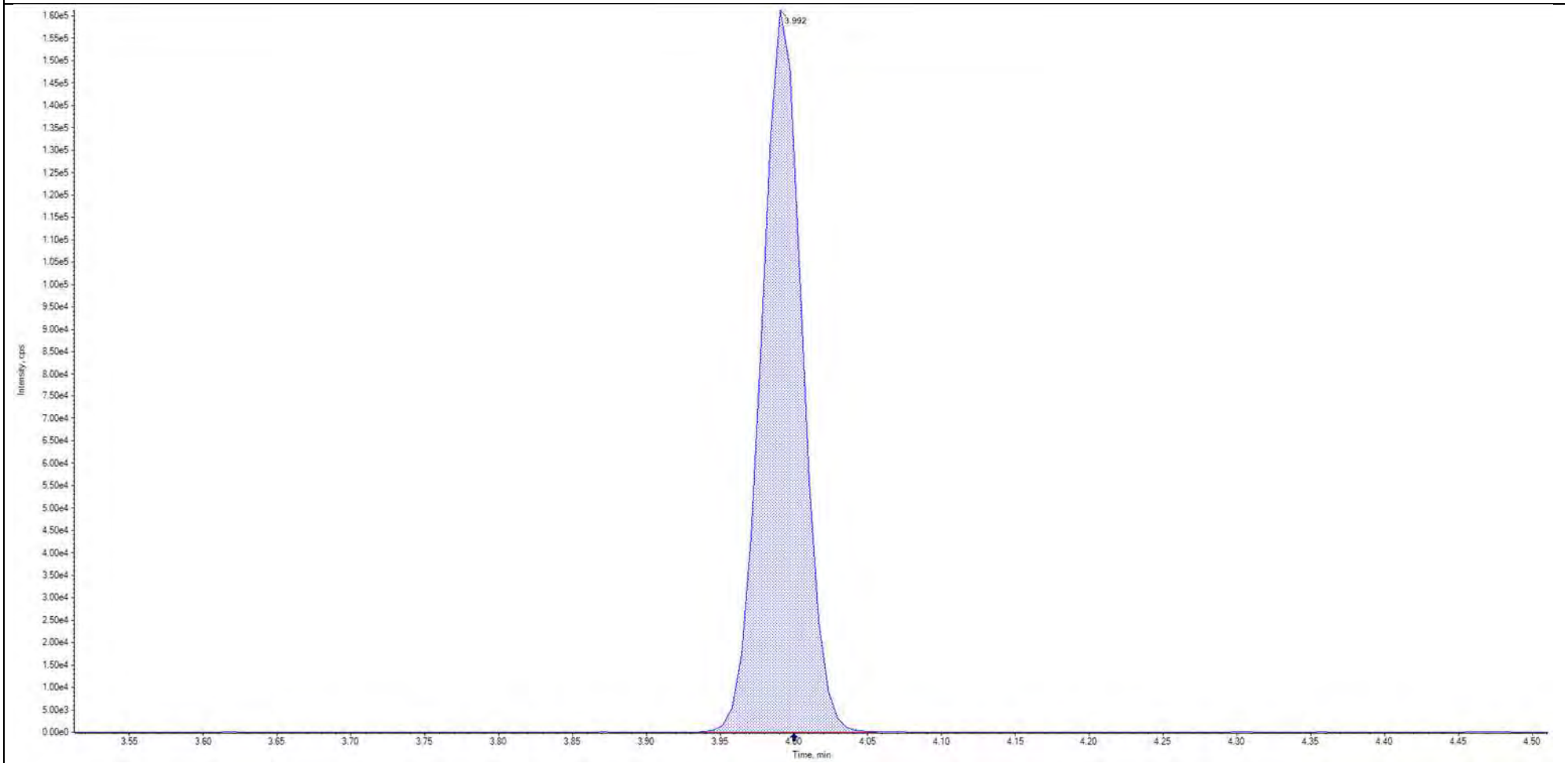


18O2-PFHxS
Sample: WG2038851-2,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

13C4-PFOS
Sample: WG2038851-2,1633FMED



Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_10.wiff2_2
Last Altered: 3/11/2025 11:33:25 AM
Generated: 3/11/2025 7:33:31 AM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

Method: EPA1633F_250303.qmethod
Calibration: 250303_1633_ICAL

ID: WG2038851-5,1633FMED
Name: SCI09_250311_27.wiff2
Date & Time: 2025-03-11T09:44:30
Description: WG2038851,WG2030000,ICAL22044,1633FMED
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:AC

LC/MS-MS Method:EPA-1633F

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | PFBA | 375-22-4 | 0.59 | 213.0 / 169.0 | 3332944 | | 18.818 | N/A | N/A | N/A | 94.1 |
| 2 | PFPeA | 2706-90-3 | 1.19 | 263.0 / 219.0 | 1540809 | | 9.200 | 0.008 | N/A | N/A | 92.0 |
| 3 | PFPeA_2 | 2706-90-3 | 1.19 | 263.0 / 68.9 | 11579 | | 9.857 | 0.008 | N/A | N/A | 98.6 |
| 4 | PFHxA | 307-24-4 | 1.93 | 313.0 / 269.0 | 984477 | | 4.367 | 0.081 | 0.081 | Pass | 87.3 |
| 5 | PFHxA_2 | 307-24-4 | 1.93 | 313.0 / 119.0 | 80037 | | 4.176 | 0.081 | 0.081 | Pass | 83.5 |
| 6 | PFHpA | 375-85-9 | 2.50 | 363.1 / 319.0 | 1106128 | | 4.804 | 0.395 | 0.373 | Pass | 96.1 |
| 7 | PFHpA_2 | 375-85-9 | 2.50 | 363.1 / 169.0 | 436945 | | 4.807 | 0.395 | 0.373 | Pass | 96.1 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | PFOA | 335-67-1 | 2.99 | 413.1 / 369.1 | 1076442 | M5 | 4.440 | 0.429 | 0.424 | Pass | 88.8 |
| 9 | PFOA_2 | 335-67-1 | 2.99 | 413.1 / 169.0 | 462071 | M5 | 4.503 | 0.429 | 0.424 | Pass | 90.1 |
| 10 | PFNA | 375-95-1 | 3.43 | 462.8 / 418.9 | 745208 | M5 | 4.737 | 0.506 | 0.493 | Pass | 94.7 |
| 11 | PFNA_2 | 375-95-1 | 3.43 | 462.8 / 219.0 | 377409 | M5 | 4.927 | 0.506 | 0.493 | Pass | 98.5 |
| 12 | PFDA | 335-76-2 | 3.85 | 513.1 / 469.1 | 1100400 | | 4.875 | 0.189 | 0.188 | Pass | 97.5 |
| 13 | PFDA_2 | 335-76-2 | 3.85 | 513.1 / 219.0 | 207537 | | 4.994 | 0.189 | 0.188 | Pass | 99.9 |
| 14 | PFUnA | 2058-94-8 | 4.25 | 563.1 / 519.1 | 1223125 | | 4.837 | 0.143 | 0.146 | Pass | 96.8 |
| 15 | PFUnA_2 | 2058-94-8 | 4.25 | 563.1 / 269.0 | 174928 | | 4.814 | 0.143 | 0.146 | Pass | 96.3 |
| 16 | PFDoA | 307-55-1 | 4.64 | 613.1 / 569.1 | 1379012 | | 4.811 | 0.147 | 0.142 | Pass | 96.2 |
| 17 | PFDoA_2 | 307-55-1 | 4.64 | 613.1 / 319.0 | 202122 | | 5.117 | 0.147 | 0.142 | Pass | 102.3 |
| 18 | PFTrDA | 72629-94-8 | 5.01 | 663.1 / 619.1 | 1288040 | | 5.115 | 0.151 | 0.152 | Pass | 102.3 |
| 19 | PFTrDA_2 | 72629-94-8 | 5.01 | 663.1 / 169.0 | 194881 | | 5.039 | 0.151 | 0.152 | Pass | 100.8 |
| 20 | PFTeDA | 376-06-7 | 5.38 | 713.1 / 669.1 | 1117768 | | 4.646 | 0.155 | 0.154 | Pass | 92.9 |
| 21 | PFTeDA_2 | 376-06-7 | 5.38 | 713.1 / 169.0 | 173654 | | 4.421 | 0.155 | 0.154 | Pass | 88.4 |
| 22 | PFBS | 375-73-5 | 1.93 | 299.1 / 80.1 | 750981 | | 3.960 | 0.377 | 0.374 | Pass | 89.2 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | PFBS_2 | 375-73-5 | 1.93 | 299.1 / 99.1 | 282831 | | 4.277 | 0.377 | 0.374 | Pass | 91.0 |
| 24 | PFPeS | 2706-91-4 | 2.56 | 349.1 / 80.1 | 813434 | | 4.972 | 0.299 | 0.314 | Pass | 105.8 |
| 25 | PFPeS_2 | 2706-91-4 | 2.56 | 349.1 / 99.1 | 243151 | | 4.733 | 0.299 | 0.314 | Pass | 100.7 |
| 26 | PFHxS | 355-46-4 | 3.09 | 399.1 / 80.1 | 724864 | M5 | 4.851 | 0.292 | 0.306 | Pass | 106.4 |
| 27 | PFHxS_2 | 355-46-4 | 3.09 | 399.1 / 99.1 | 211463 | M5 | 4.887 | 0.292 | 0.306 | Pass | 107.2 |
| 28 | PFHpS | 375-92-8 | 3.56 | 449.1 / 80.1 | 748875 | | 4.835 | 0.312 | 0.316 | Pass | 101.6 |
| 29 | PFHpS_2 | 375-92-8 | 3.56 | 449.1 / 99.1 | 233491 | | 4.926 | 0.312 | 0.316 | Pass | 103.5 |
| 30 | PFOS | 1763-23-1 | 4.00 | 499.1 / 80.1 | 796494 | M5 | 4.227 | 0.251 | 0.244 | Pass | 91.1 |
| 31 | PFOS_2 | 1763-23-1 | 4.00 | 499.1 / 99.1 | 200306 | M5 | 4.231 | 0.251 | 0.244 | Pass | 91.2 |
| 32 | PFNS | 68259-12-1 | 4.41 | 549.1 / 80.1 | 617273 | | 4.812 | 0.294 | 0.294 | Pass | 100.3 |
| 33 | PFNS_2 | 68259-12-1 | 4.41 | 549.1 / 99.1 | 181304 | | 4.944 | 0.294 | 0.294 | Pass | 103.0 |
| 34 | PFDS | 335-77-3 | 4.80 | 599.1 / 80.1 | 580330 | | 4.605 | 0.297 | 0.290 | Pass | 95.5 |
| 35 | PFDS_2 | 335-77-3 | 4.79 | 599.1 / 99.1 | 172118 | | 4.836 | 0.297 | 0.290 | Pass | 100.3 |
| 36 | PFDoS | 79780-39-5 | 5.54 | 699.2 / 80.1 | 548132 | | 4.774 | 0.261 | 0.256 | Pass | 98.6 |
| 37 | PFDoS_2 | 79780-39-5 | 5.54 | 699.2 / 99.1 | 143032 | | 4.833 | 0.261 | 0.256 | Pass | 99.9 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 38 | 4:2FTS | 757124-72-4 | 1.72 | 327.1 / 307.1 | 663287 | | 19.375 | 0.648 | 0.650 | Pass | 103.6 |
| 39 | 4:2FTS_2 | 757124-72-4 | 1.72 | 327.1 / 81.1 | 429959 | | 19.459 | 0.648 | 0.650 | Pass | 104.1 |
| 40 | 6:2FTS | 27619-97-2 | 2.80 | 427.2 / 407.2 | 634767 | | 17.555 | 0.616 | 0.620 | Pass | 92.4 |
| 41 | 6:2FTS_2 | 27619-97-2 | 2.80 | 427.2 / 81.1 | 390765 | | 16.861 | 0.616 | 0.620 | Pass | 88.7 |
| 42 | 8:2FTS | 39108-34-4 | 3.67 | 527.2 / 507.2 | 500302 | | 17.907 | 0.664 | 0.676 | Pass | 93.3 |
| 43 | 8:2FTS_2 | 39108-34-4 | 3.67 | 527.2 / 81.1 | 332420 | | 17.284 | 0.664 | 0.676 | Pass | 90.0 |
| 44 | PFOSA | 754-91-6 | 5.23 | 498.1 / 78.1 | 1052315 | M5 | 4.879 | 0.023 | 0.026 | Pass | 97.6 |
| 45 | PFOSA_2 | 754-91-6 | 5.23 | 498.1 / 478.0 | 24291 | M5 | 4.359 | 0.023 | 0.026 | Pass | 87.2 |
| 46 | NMeFOSA | 31506-32-8 | 5.96 | 512.2 / 219.0 | 258461 | M5 | 4.875 | 1.378 | 1.377 | Pass | 97.5 |
| 47 | NMeFOSA_2 | 31506-32-8 | 5.91 | 512.2 / 169.0 | 356209 | | 4.835 | 1.378 | 1.377 | Pass | 96.7 |
| 48 | NEtFOSA | 4151-50-2 | 6.25 | 526.2 / 219.0 | 236848 | M5 | 4.459 | 1.288 | 1.292 | Pass | 89.2 |
| 49 | NEtFOSA_2 | 4151-50-2 | 6.21 | 526.2 / 169.0 | 305007 | | 4.602 | 1.288 | 1.292 | Pass | 92.1 |
| 50 | NMeFOSAA | 2355-31-9 | 3.98 | 570.2 / 419.1 | 143010 | | 4.549 | 0.715 | 0.697 | Pass | 91.0 |
| 51 | NMeFOSAA_2 | 2355-31-9 | 3.98 | 570.2 / 483.0 | 102286 | M5 | 4.528 | 0.715 | 0.697 | Pass | 90.6 |
| 52 | NEtFOSAA | 2991-50-6 | 4.19 | 584.2 / 419.1 | 134816 | M5 | 4.579 | 0.544 | 0.557 | Pass | 91.6 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | NEtFOSAA_2 | 2991-50-6 | 4.19 | 584.2 / 526.2 | 73391 | M5 | 4.522 | 0.544 | 0.557 | Pass | 90.5 |
| 54 | NMeFOSE | 24448-09-7 | 5.83 | 616.1 / 58.9 | 3740035 | M5 | 47.417 | N/A | N/A | N/A | 94.8 |
| 55 | NEtFOSE | 1691-99-2 | 6.12 | 630.0 / 58.9 | 5119665 | M5 | 48.144 | N/A | N/A | N/A | 96.3 |
| 56 | HFPO-DA | 13252-13-6 | 2.14 | 285.0 / 169.0 | 3284984 | | 19.274 | 0.534 | 0.501 | Pass | 96.4 |
| 57 | HFPO-DA_2 | 13252-13-6 | 2.14 | 285.0 / 184.9 | 1753648 | | 19.515 | 0.534 | 0.501 | Pass | 97.6 |
| 58 | ADONA | 919005-14-4 | 2.68 | 376.9 / 251.0 | 6562142 | | 19.337 | 0.660 | 0.691 | Pass | 102.3 |
| 59 | ADONA_2 | 919005-14-4 | 2.68 | 376.9 / 84.8 | 4329852 | | 19.258 | 0.660 | 0.691 | Pass | 101.9 |
| 60 | 9Cl-PF3ONS | 756426-58-1 | 4.28 | 530.8 / 351.1 | 6243244 | | 19.445 | 0.326 | 0.332 | Pass | 104.0 |
| 61 | 9Cl-PF3ONS_2 | 756426-58-1 | 4.28 | 532.8 / 353.0 | 2037853 | | 19.095 | 0.326 | 0.332 | Pass | 102.1 |
| 62 | 11Cl-PF3OUdS | 763051-92-9 | 5.06 | 630.9 / 451.0 | 5400424 | | 19.891 | 0.323 | 0.322 | Pass | 105.2 |
| 63 | 11Cl-PF3OUdS_2 | 763051-92-9 | 5.06 | 632.9 / 452.9 | 1744564 | | 20.018 | 0.323 | 0.322 | Pass | 105.9 |
| 64 | 3:3FTCA | 356-02-5 | 1.59 | 241.1 / 177.1 | 304793 | | 23.568 | 1.012 | 1.010 | Pass | 94.3 |
| 65 | 3:3FTCA_2 | 356-02-5 | 1.59 | 241.1 / 117.0 | 308488 | | 21.968 | 1.012 | 1.010 | Pass | 87.9 |
| 66 | 5:3FTCA | 914637-49-3 | 3.03 | 341.1 / 237.1 | 6424105 | | 113.962 | 1.040 | 1.017 | Pass | 91.2 |
| 67 | 5:3FTCA_2 | 914637-49-3 | 3.03 | 341.1 / 217.0 | 6678738 | | 117.588 | 1.040 | 1.017 | Pass | 94.1 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 7:3FTCA | 812-70-4 | 4.06 | 441.1 / 316.9 | 5259853 | | 123.196 | 1.390 | 1.343 | Pass | 98.6 |
| 69 | 7:3FTCA_2 | 812-70-4 | 4.06 | 441.1 / 337.1 | 7310234 | | 129.526 | 1.390 | 1.343 | Pass | 103.6 |
| 70 | PFEESA | 113507-82-7 | 2.23 | 315.1 / 135.0 | 4311190 | | 7.359 | 0.085 | 0.081 | Pass | 82.5 |
| 71 | PFEESA_2 | 113507-82-7 | 2.23 | 315.1 / 82.9 | 366015 | | 7.596 | 0.085 | 0.081 | Pass | 85.2 |
| 72 | PFMPA | 377-73-1 | 0.75 | 229.0 / 85.0 | 1730238 | | 9.339 | N/A | N/A | N/A | 93.4 |
| 73 | PFMBA | 863090-89-5 | 1.45 | 279.0 / 85.0 | 1861682 | | 9.712 | N/A | N/A | N/A | 97.1 |
| 74 | NFDHA | 151772-58-6 | 1.85 | 295.0 / 201.0 | 1380460 | | 9.002 | 0.711 | 0.681 | Pass | 90.0 |
| 75 | NFDHA_2 | 151772-58-6 | 1.85 | 295.0 / 84.9 | 982058 | | 9.049 | 0.711 | 0.681 | Pass | 90.5 |
| 76 | TDCA | 516-50-7 | 2.66 | 499.1 / 124.1 | 1838513 | | 8.644 | 5.509 | 5.680 | Pass | 86.4 |
| 77 | TDCA_2 | 516-50-7 | 2.66 | 499.1 / 79.9 | 10128823 | | 8.453 | 5.509 | 5.680 | Pass | 84.5 |
| 78 | 13C2D4-4:2FTS | Surr | 1.71 | 333.2 / 312.1 | 149481 | | 5.149 | N/A | N/A | N/A | 103.0 |
| 79 | 13C2-PFOA | Surr | 2.98 | 415.0 / 370.0 | 418494 | | 2.799 | N/A | N/A | N/A | 112.0 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C4-PFBA | EIS | 0.59 | 217.0 / 172.0 | 1981878 | | 10.721 | NA | NA | NA | 107.2 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C5-PFPeA | EIS | 1.18 | 268.0 / 223.0 | 872599 | | 5.014 | NA | NA | NA | 100.3 |
| | 13C5-PFHxA | EIS | 1.92 | 318.0 / 273.0 | 440096 | | 2.690 | NA | NA | NA | 107.6 |
| | 13C4-PFHpA | EIS | 2.50 | 367.0 / 322.0 | 396519 | | 2.512 | NA | NA | NA | 100.5 |
| | 13C8-PFOA | EIS | 2.98 | 420.8 / 376.0 | 709087 | | 2.638 | NA | NA | NA | 105.5 |
| | 13C9-PFNA | EIS | 3.43 | 472.0 / 427.0 | 291618 | | 1.257 | NA | NA | NA | 100.6 |
| | 13C6-PFDA | EIS | 3.85 | 519.0 / 474.0 | 319125 | | 1.278 | NA | NA | NA | 102.2 |
| | 13C7-PFUnA | EIS | 4.25 | 570.0 / 525.0 | 373295 | | 1.354 | NA | NA | NA | 108.3 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C2-PFDoA | EIS | 4.63 | 615.1 / 570.0 | 379146 | | 1.367 | NA | NA | NA | 109.4 |
| | 13C2-PFTeDA | EIS | 5.37 | 715.1 / 670.1 | 264595 | | 1.471 | NA | NA | NA | 117.7 |
| | 13C3-PFBS | EIS | 1.92 | 302.1 / 80.1 | 415908 | | 2.526 | NA | NA | NA | 108.4 |
| | 13C3-PFHxS | EIS | 3.09 | 402.1 / 80.1 | 341933 | | 2.337 | NA | NA | NA | 98.6 |
| | 13C8-PFOS | EIS | 3.99 | 507.1 / 80.1 | 395219 | | 2.485 | NA | NA | NA | 103.5 |
| | 13C2-4:2FTS | EIS | 1.72 | 329.1 / 81.1 | 104315 | | 4.296 | NA | NA | NA | 91.6 |
| | 13C2-6:2FTS | EIS | 2.80 | 429.2 / 81.1 | 107000 | | 5.118 | NA | NA | NA | 107.5 |
| | 13C2-8:2FTS | EIS | 3.66 | 529.2 / 81.1 | 100785 | | 5.140 | NA | NA | NA | 107.1 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C8-PFOSA | EIS | 5.23 | 506.1 / 78.1 | 673433 | | 2.667 | NA | NA | NA | 106.7 |
| | d3-NMeFOSA | EIS | 5.95 | 515.2 / 219.0 | 118246 | | 2.593 | NA | NA | NA | 103.7 |
| | d5-NEtFOSA | EIS | 6.24 | 531.2 / 219.0 | 108990 | | 2.628 | NA | NA | NA | 105.1 |
| | d3-NMeFOSAA | EIS | 3.97 | 573.2 / 419.1 | 172931 | | 5.567 | NA | NA | NA | 111.3 |
| | d5-NEtFOSAA | EIS | 4.18 | 589.3 / 419.1 | 135790 | | 5.360 | NA | NA | NA | 107.2 |
| | d7-NMeFOSE | EIS | 5.81 | 623.2 / 58.9 | 870430 | | 26.538 | NA | NA | NA | 106.2 |
| | d9-NEtFOSE | EIS | 6.10 | 639.2 / 58.9 | 1125728 | | 25.585 | NA | NA | NA | 102.3 |

| | Analyte Name | CAS | RT | Trace | Area | M Flag | Conc (ng/mL) | Ion Ratio | Expected Ratio | Ion Q | %Rec |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13C3-HFPO-DA | EIS | 2.13 | 287.0 / 169.0 | 1681789 | | 9.717 | NA | NA | NA | 97.2 |
| | 13C3-PFBA | NIS | 0.59 | 216.0 / 172.0 | 817967 | | 5.644 | NA | NA | NA | 112.9 |
| | 13C2-PFHxA | NIS | 1.92 | 315.0 / 270.0 | 481833 | | 2.973 | NA | NA | NA | 118.9 |
| | 13C4-PFOA | NIS | 2.98 | 417.0 / 372.0 | 408485 | | 2.841 | NA | NA | NA | 113.7 |
| | 13C5-PFNA | NIS | 3.43 | 468.0 / 423.0 | 290523 | | 1.410 | NA | NA | NA | 112.8 |
| | 13C2-PFDA | NIS | 3.84 | 515.1 / 470.1 | 291537 | | 1.371 | NA | NA | NA | 109.7 |
| | 18O2-PFHxS | NIS | 3.09 | 403.1 / 84.1 | 307726 | | 2.614 | NA | NA | NA | 110.3 |
| | 13C4-PFOS | NIS | 3.99 | 503.1 / 80.1 | 319995 | | 2.662 | NA | NA | NA | 110.9 |

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 3/11/2025 7:33:31 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
Alpha Analytical LLC
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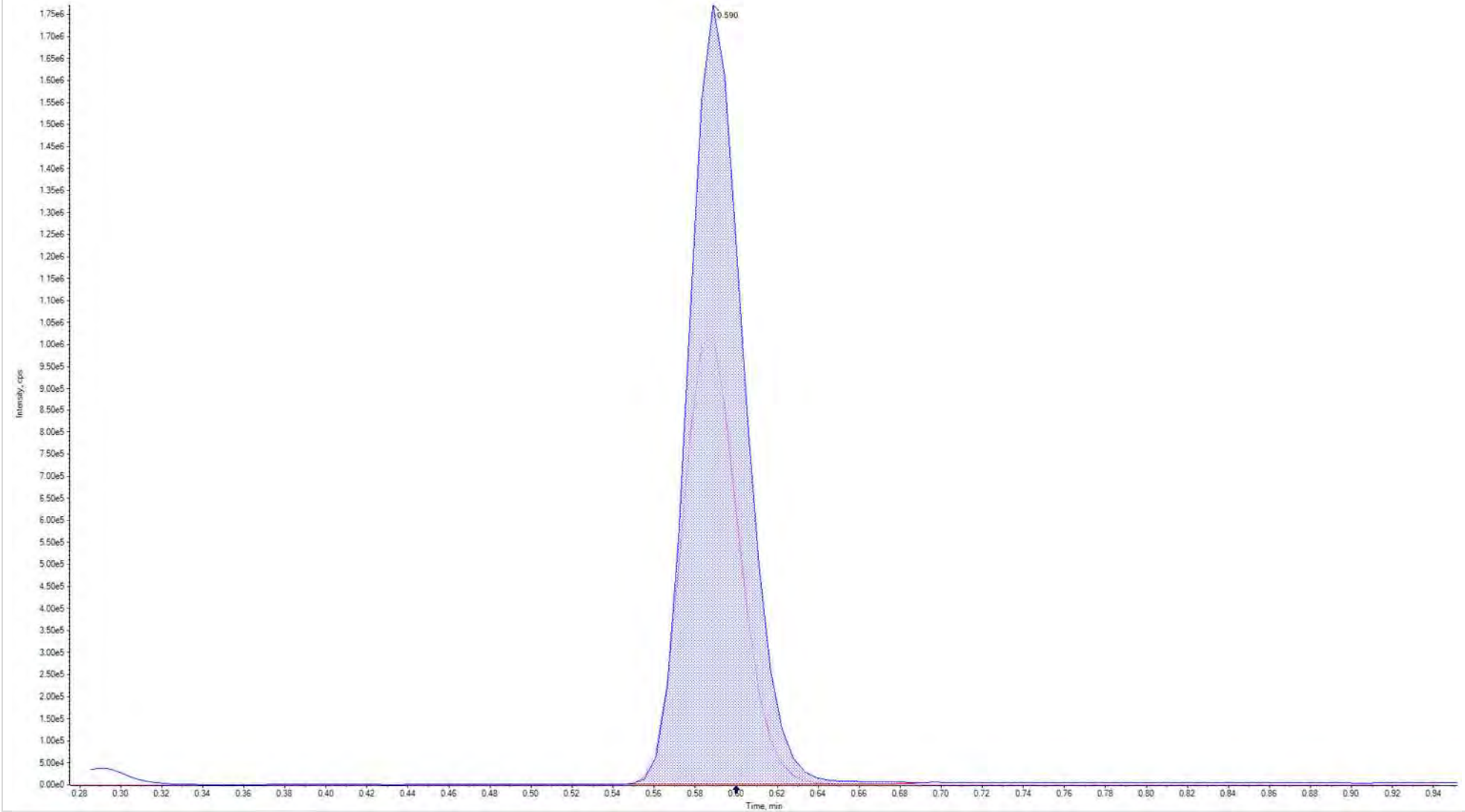
PFBA
Sample: WG2038851-5,1633FMED S/N:2244.1 Points Across peak:36



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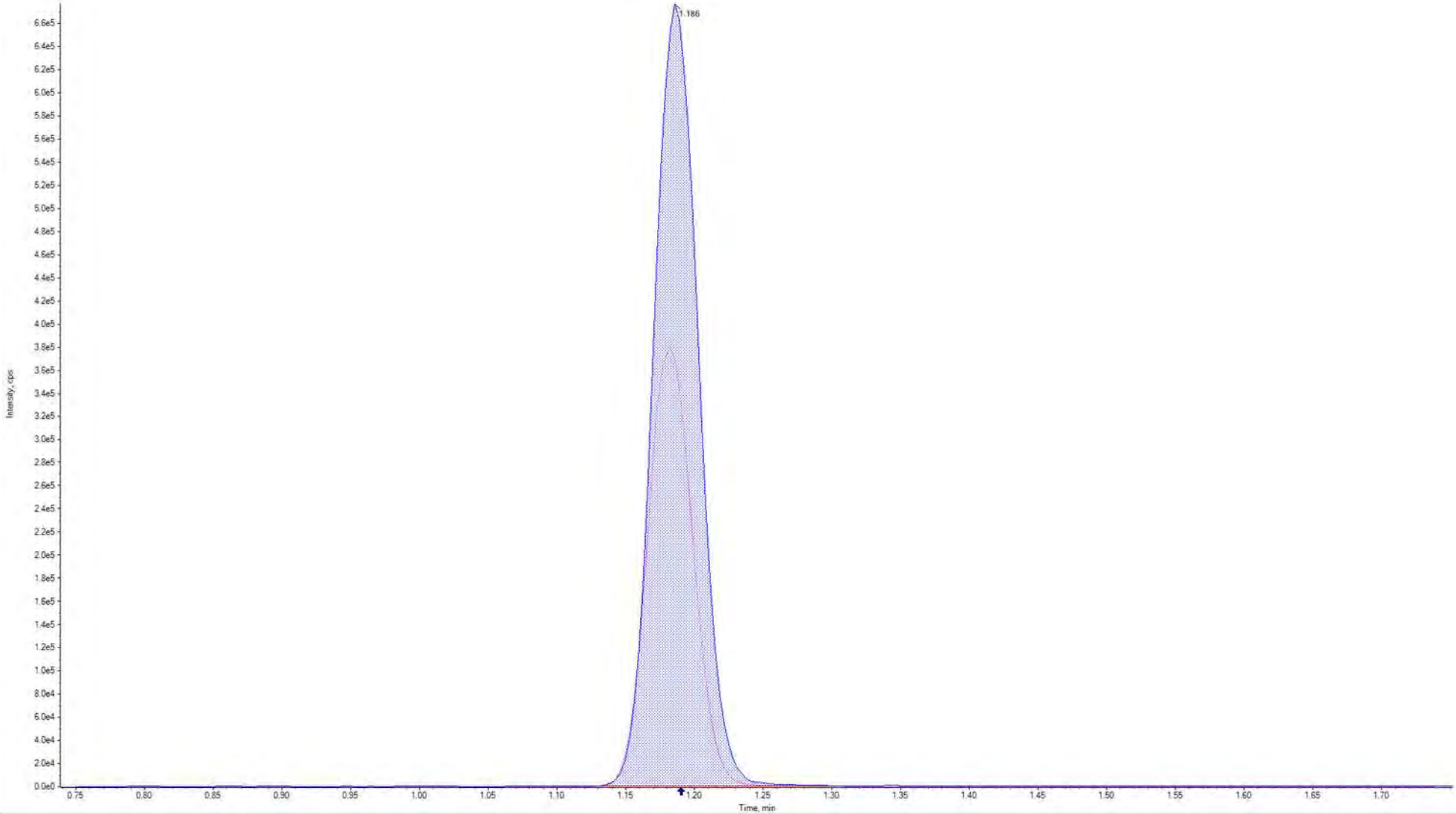
Generated: 3/11/2025 7:33:31 AM

PFPeA
Sample: WG2038851-5,1633FMED S/N:5956.8 Points Across peak:55



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Alpha Analytical LLC
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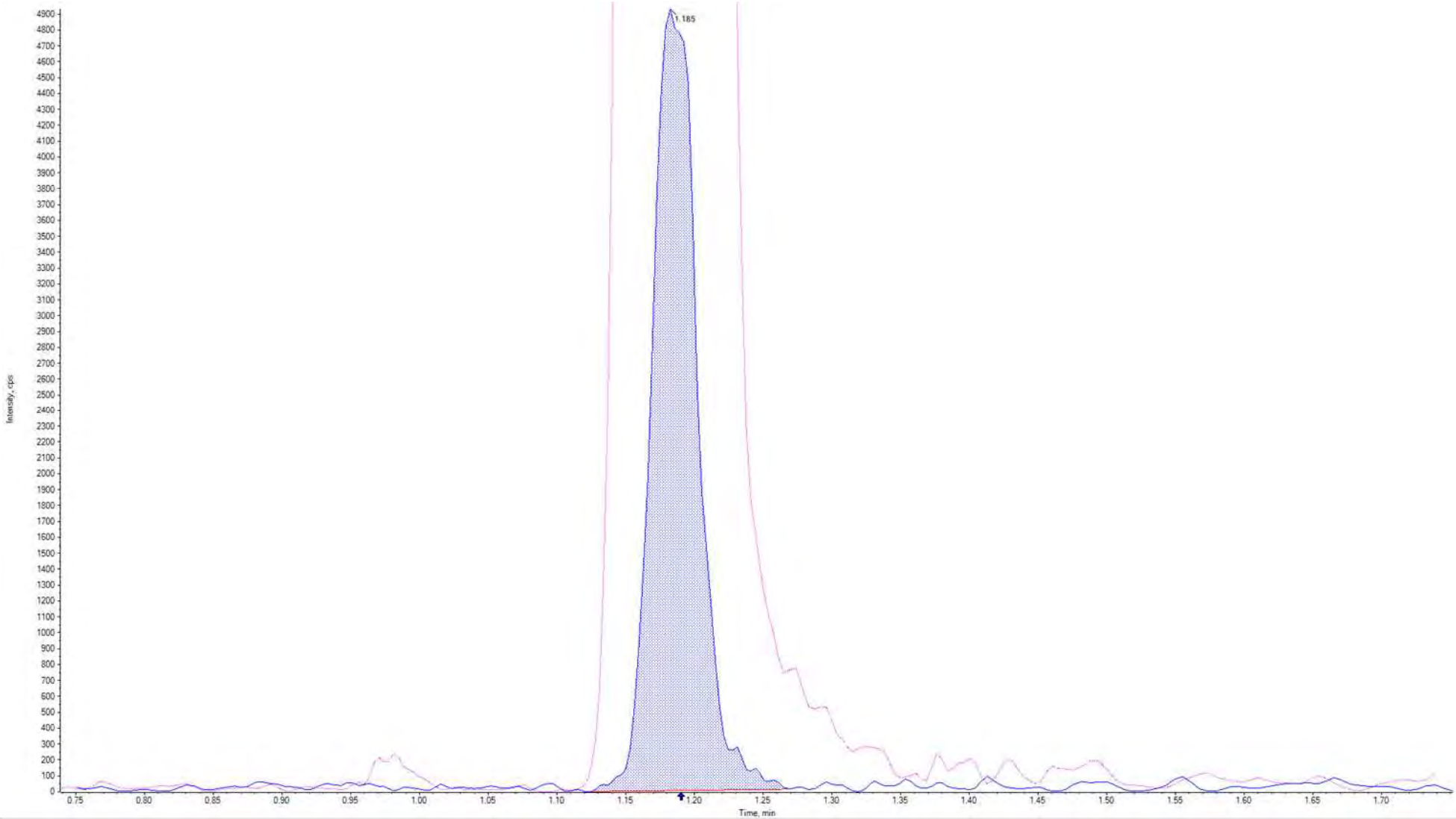
PFPeA_2
Sample: WG2038851-5,1633FMED S/N:296.3 Points Across peak:46



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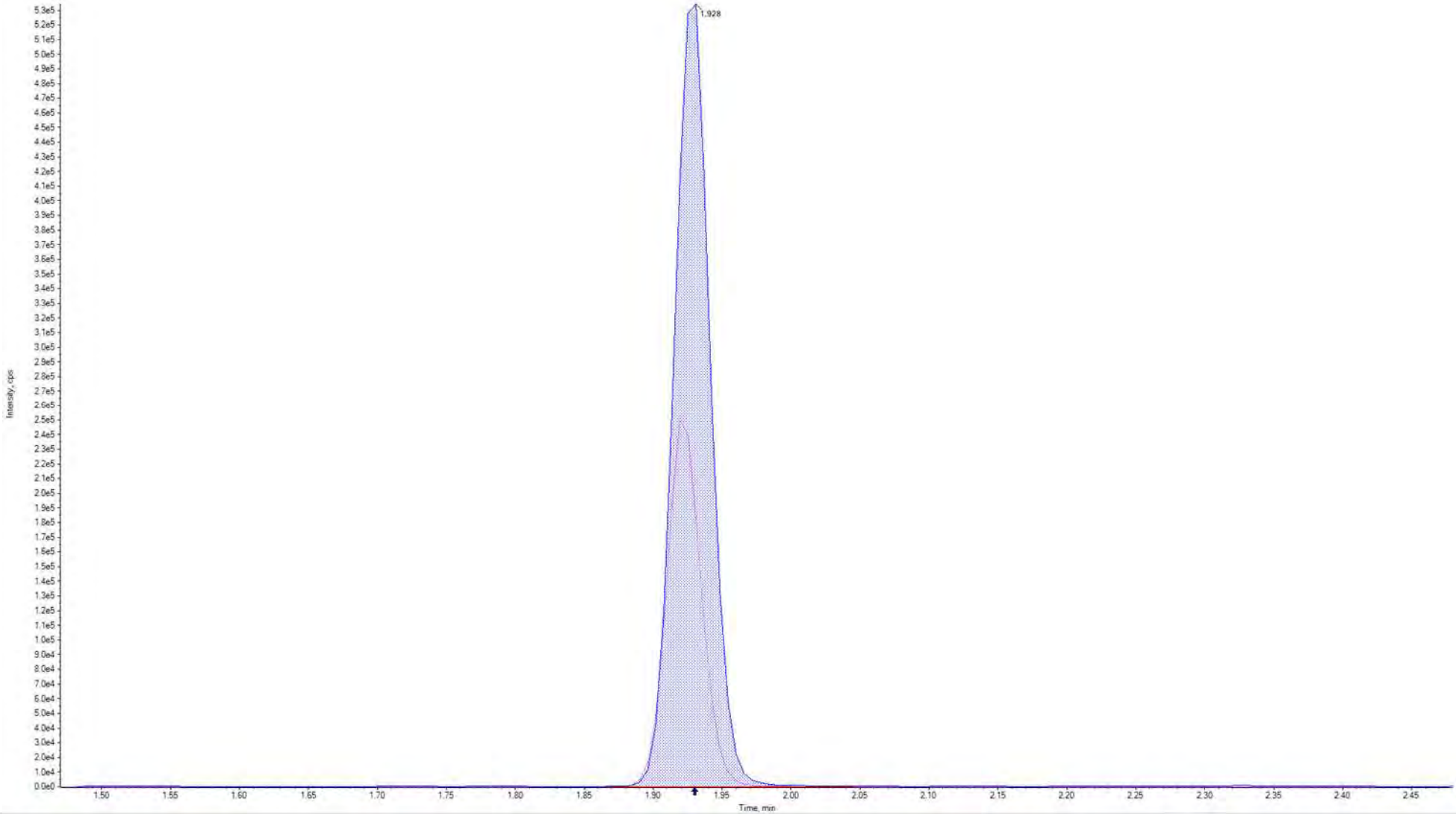
PFHxA
Sample: WG2038851-5,1633FMED S/N:4029.1 Points Across peak:34



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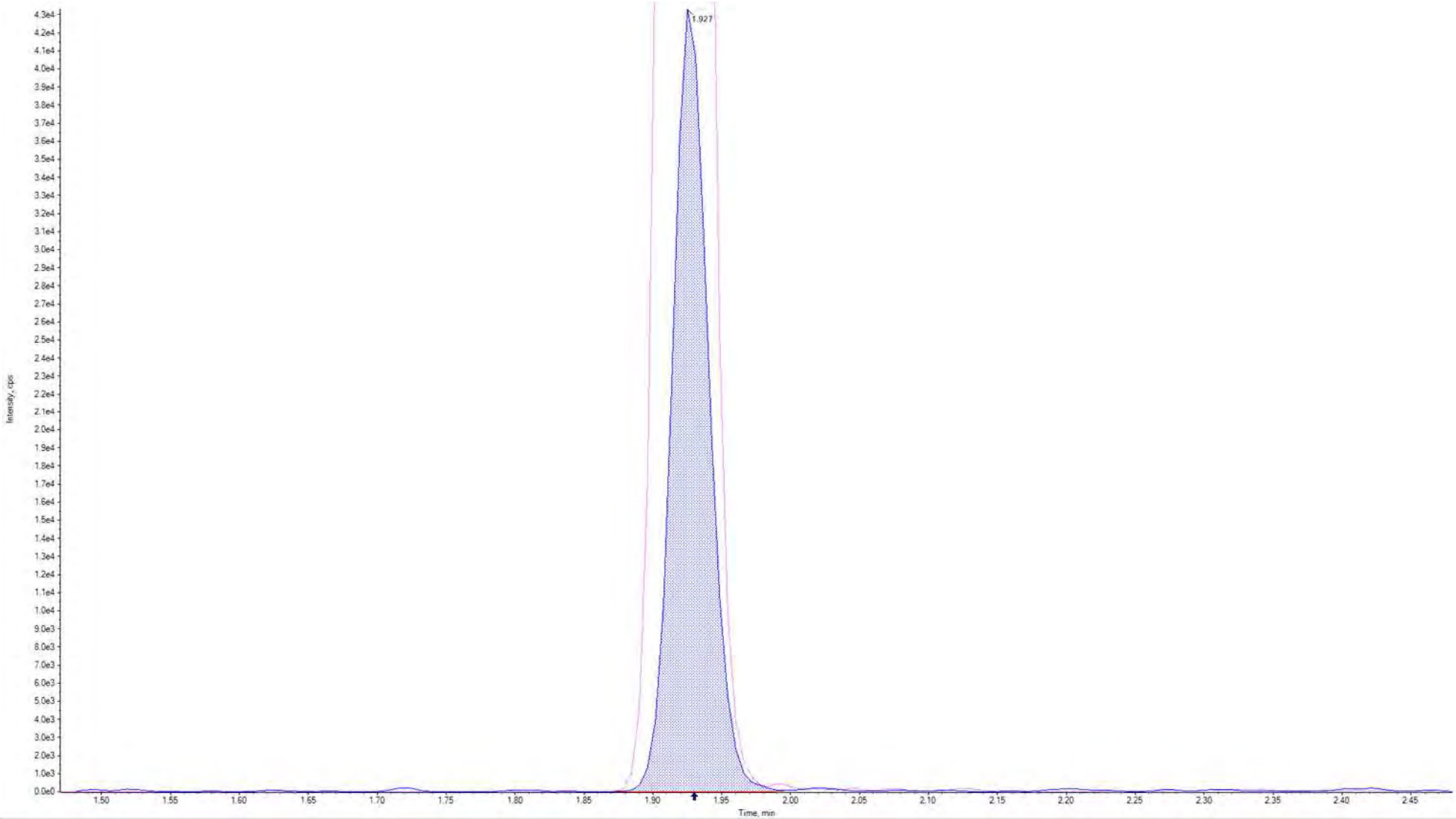
PFHxA_2
Sample: WG2038851-5,1633FMED S/N:1085.3 Points Across peak:24



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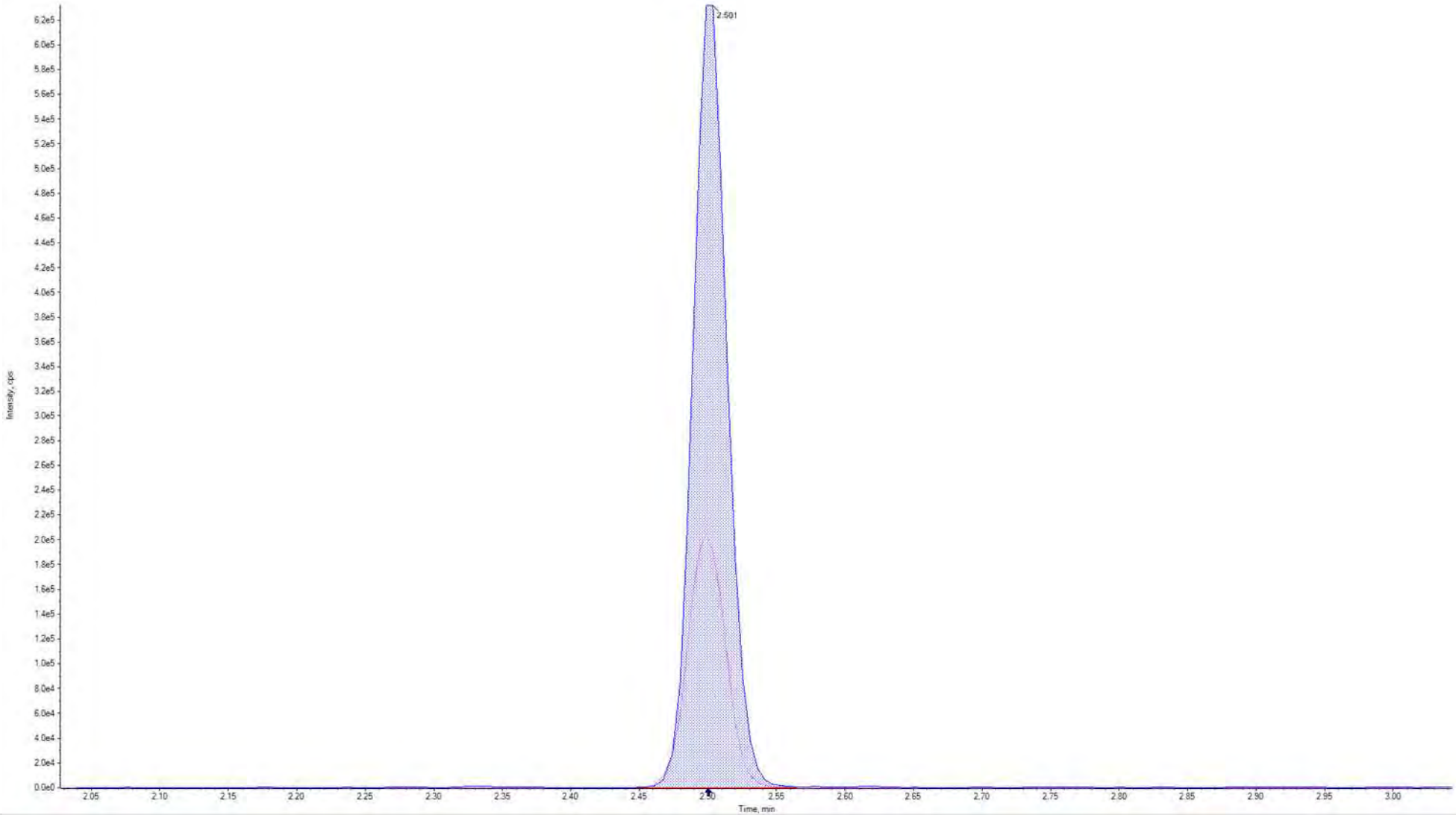
PFHpA
Sample: WG2038851-5,1633FMED S/N:7138.2 Points Across peak:24



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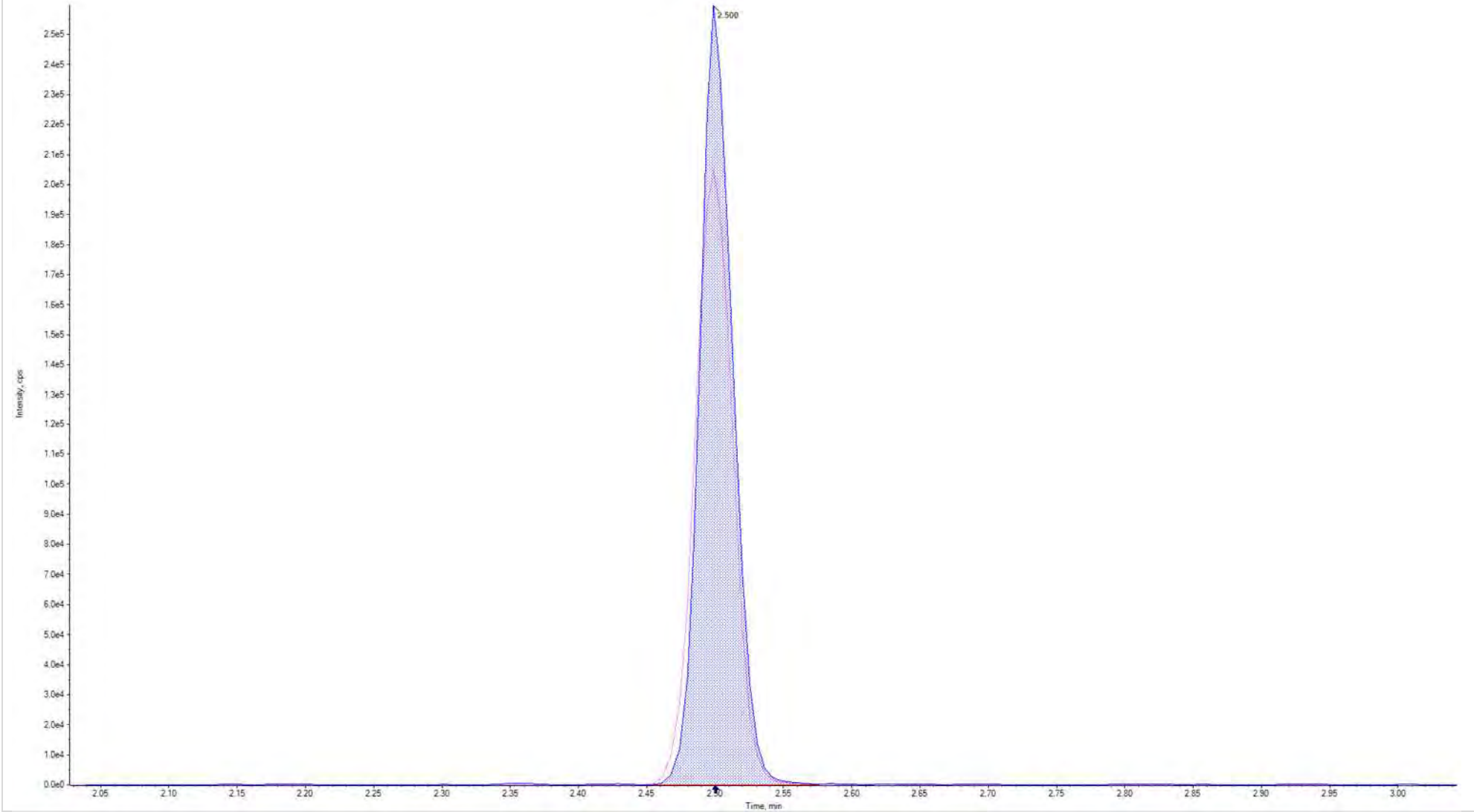
PFHpA_2
Sample: WG2038851-5,1633FMED S/N:5206.6 Points Across peak:24



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PFOA
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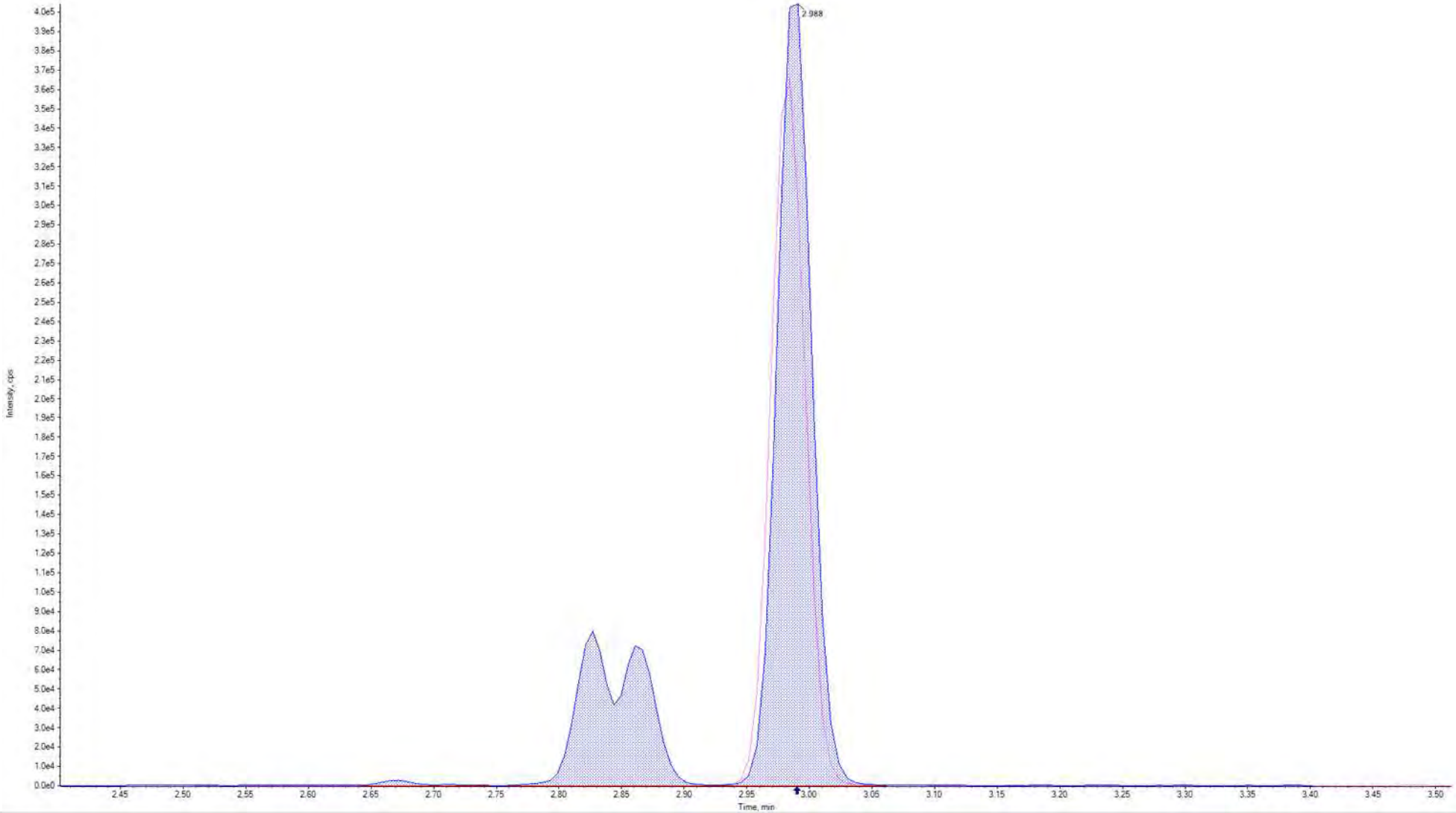

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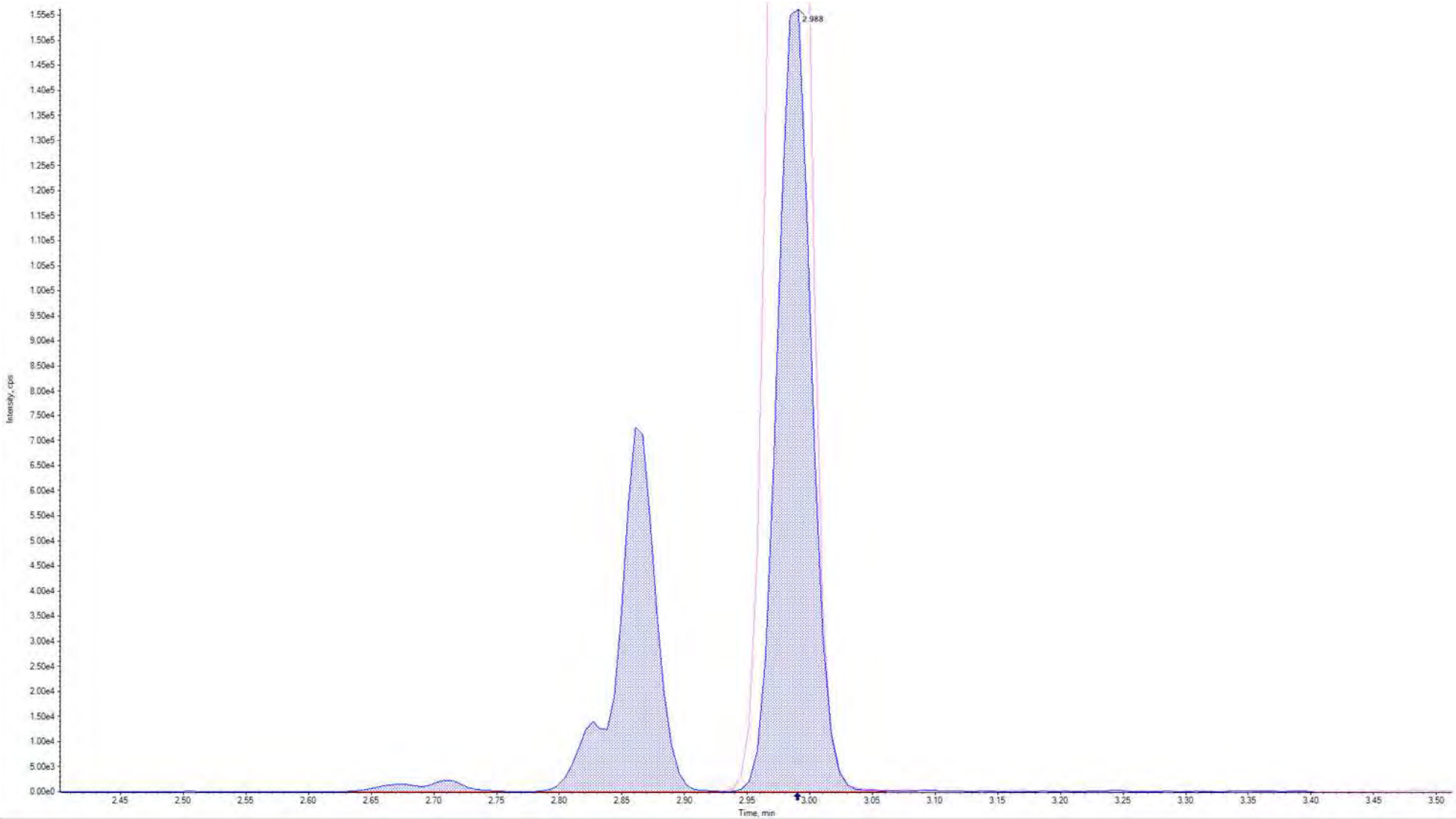
PFOA_2
Sample: WG2038851-5,1633FMED S/N:550.8 Points Across peak:76



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PFNA
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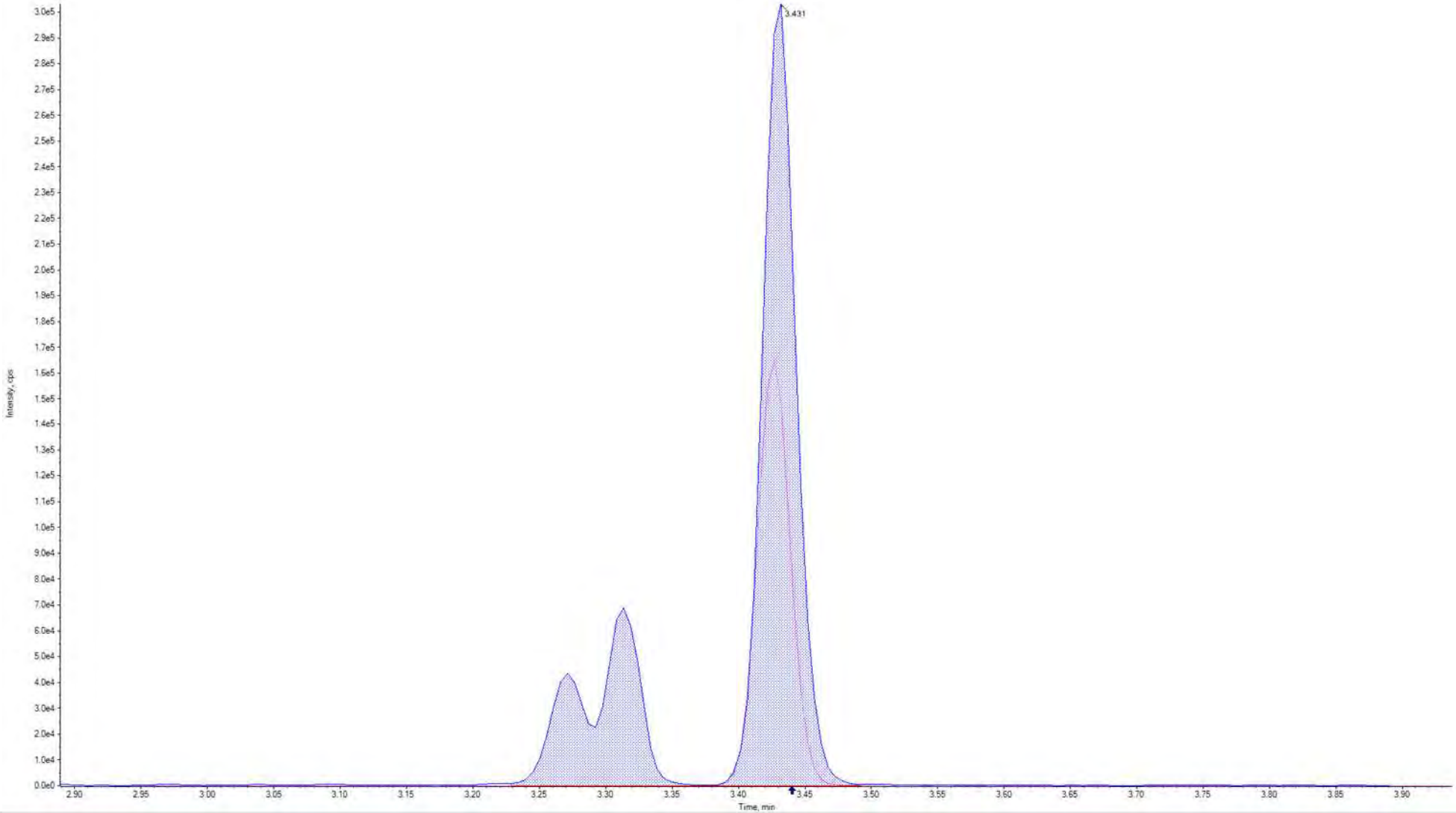

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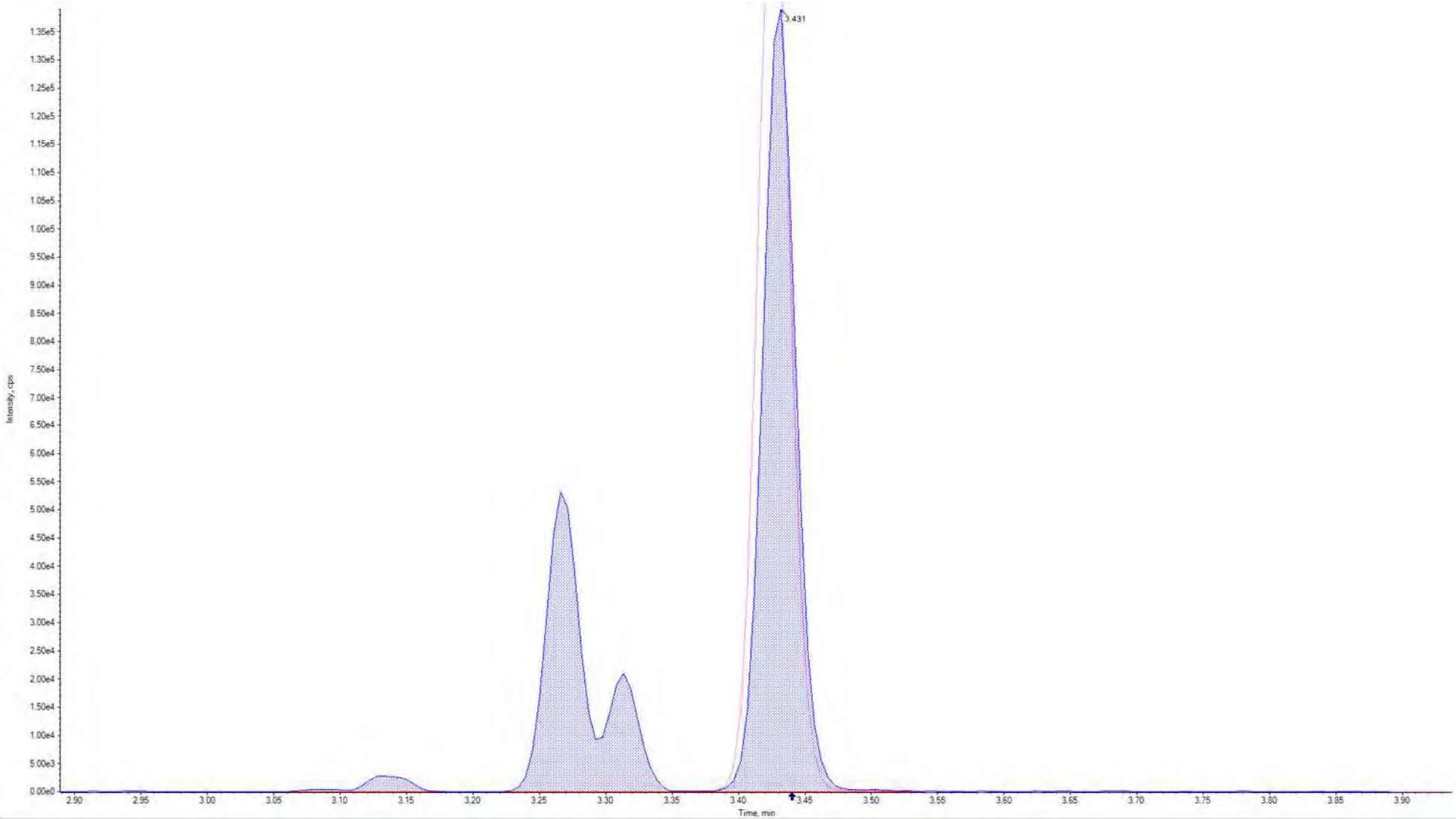
PFNA_2
Sample: WG2038851-5,1633FMED S/N:466.5 Points Across peak:91



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PFDA
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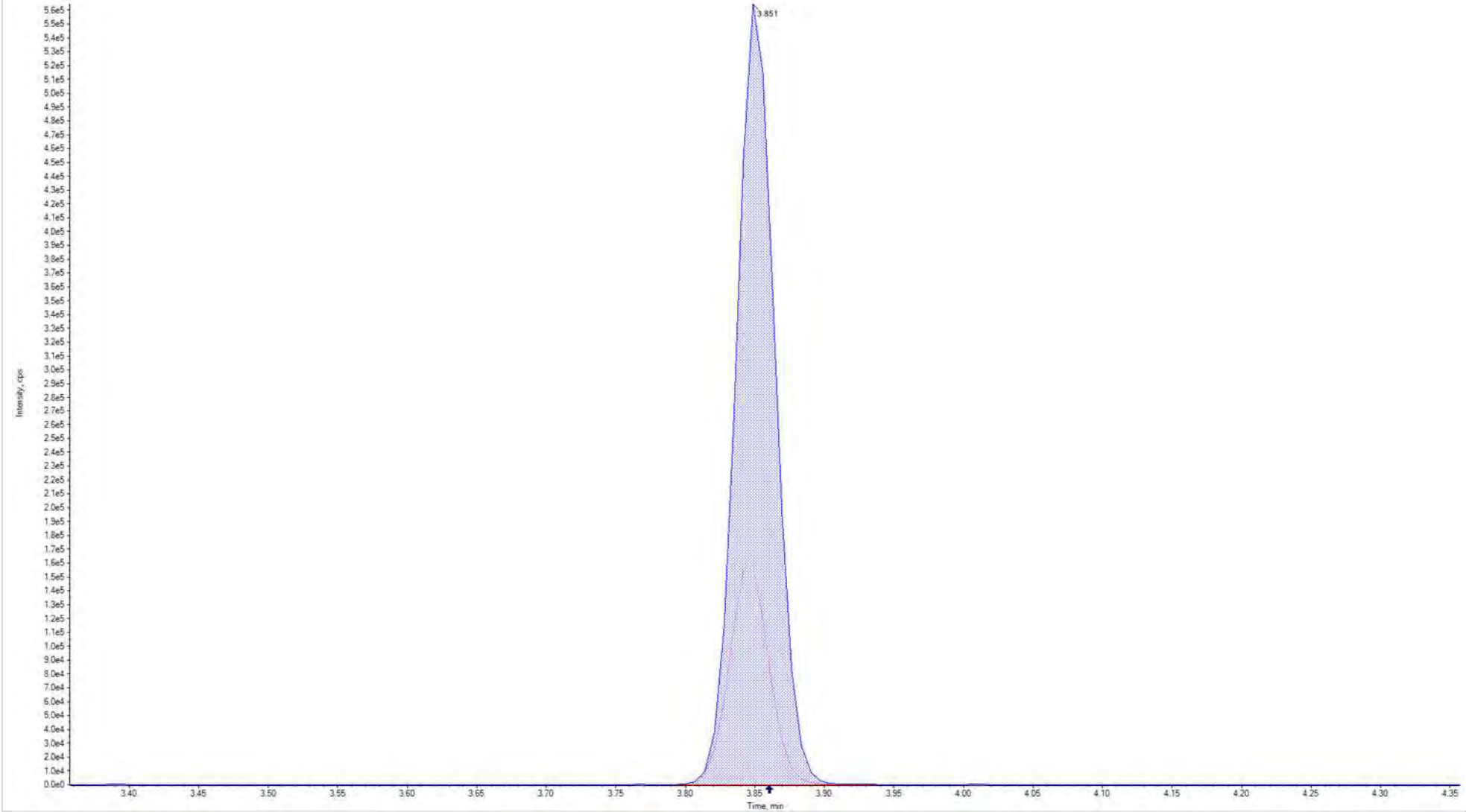

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PFDA_2
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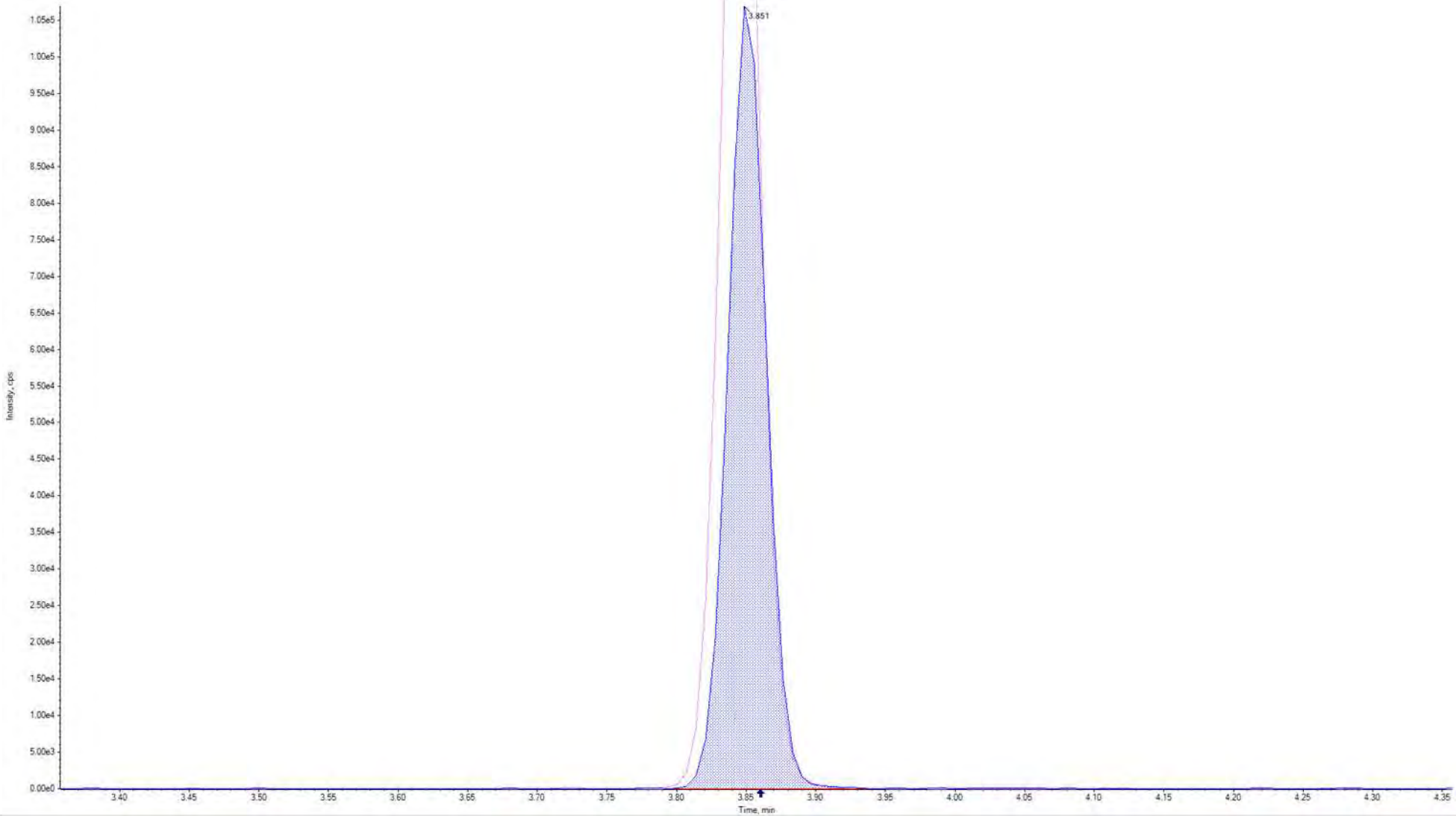

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PFUnA
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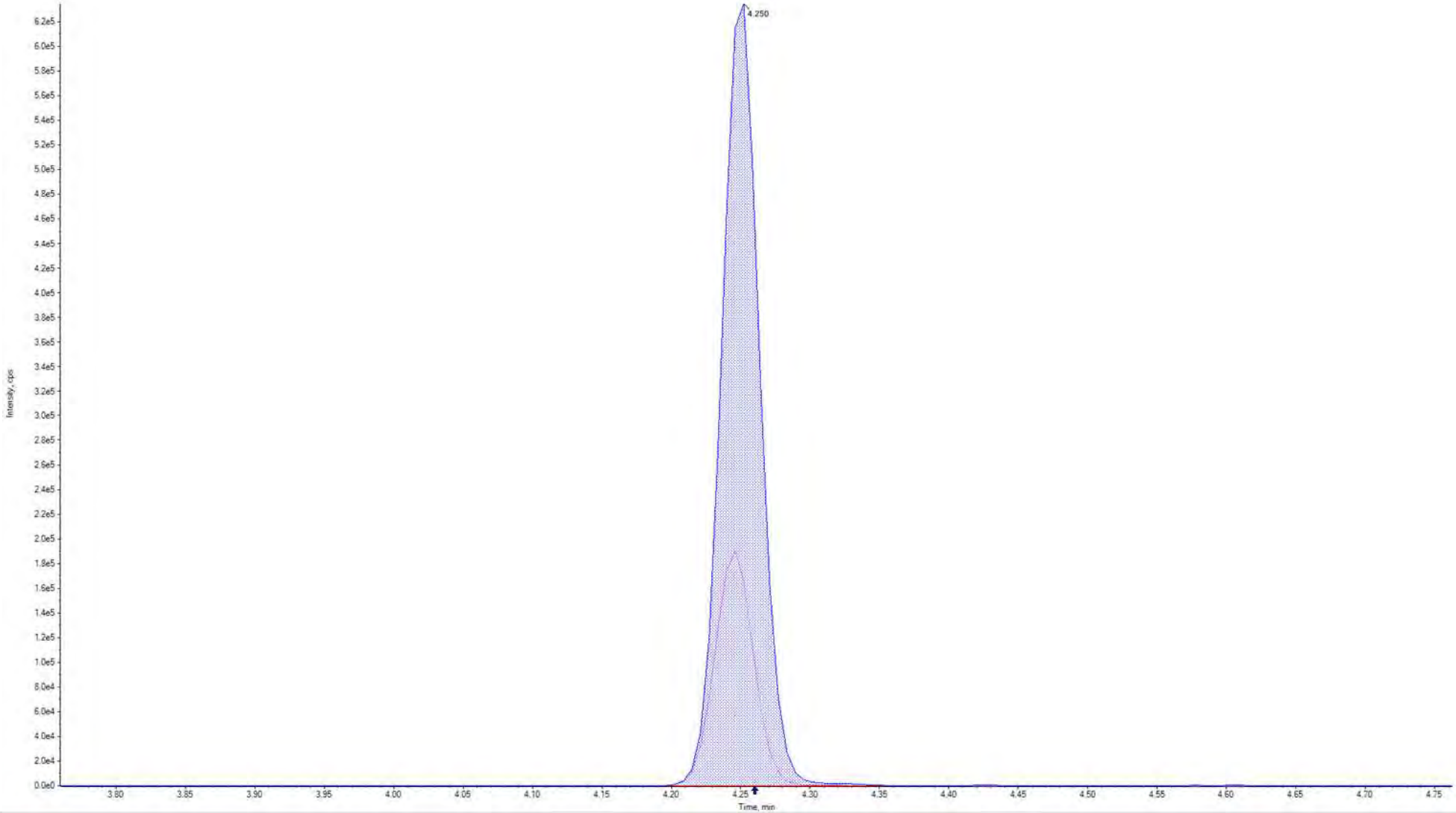

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PFUnA_2
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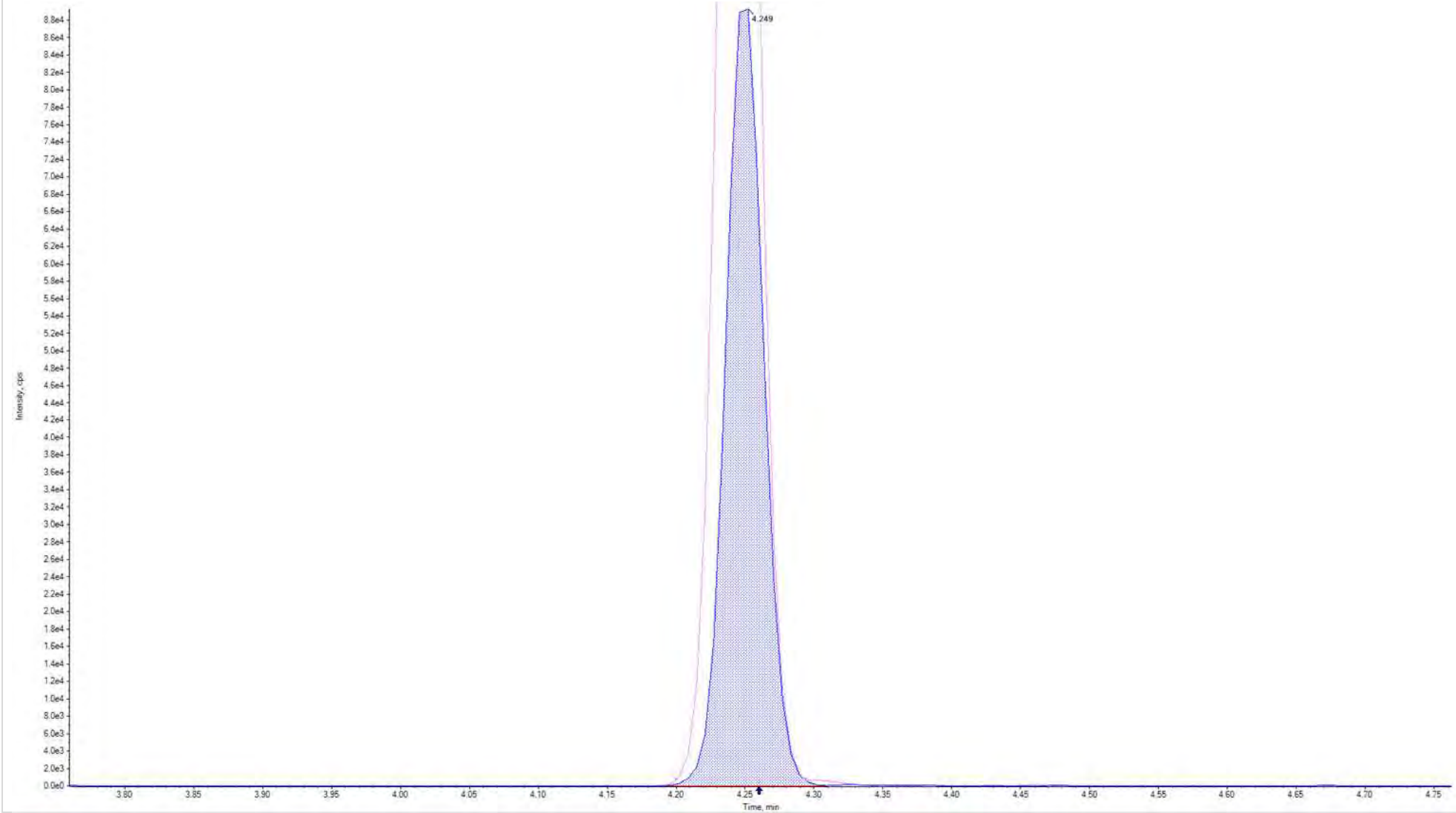

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PFDoA
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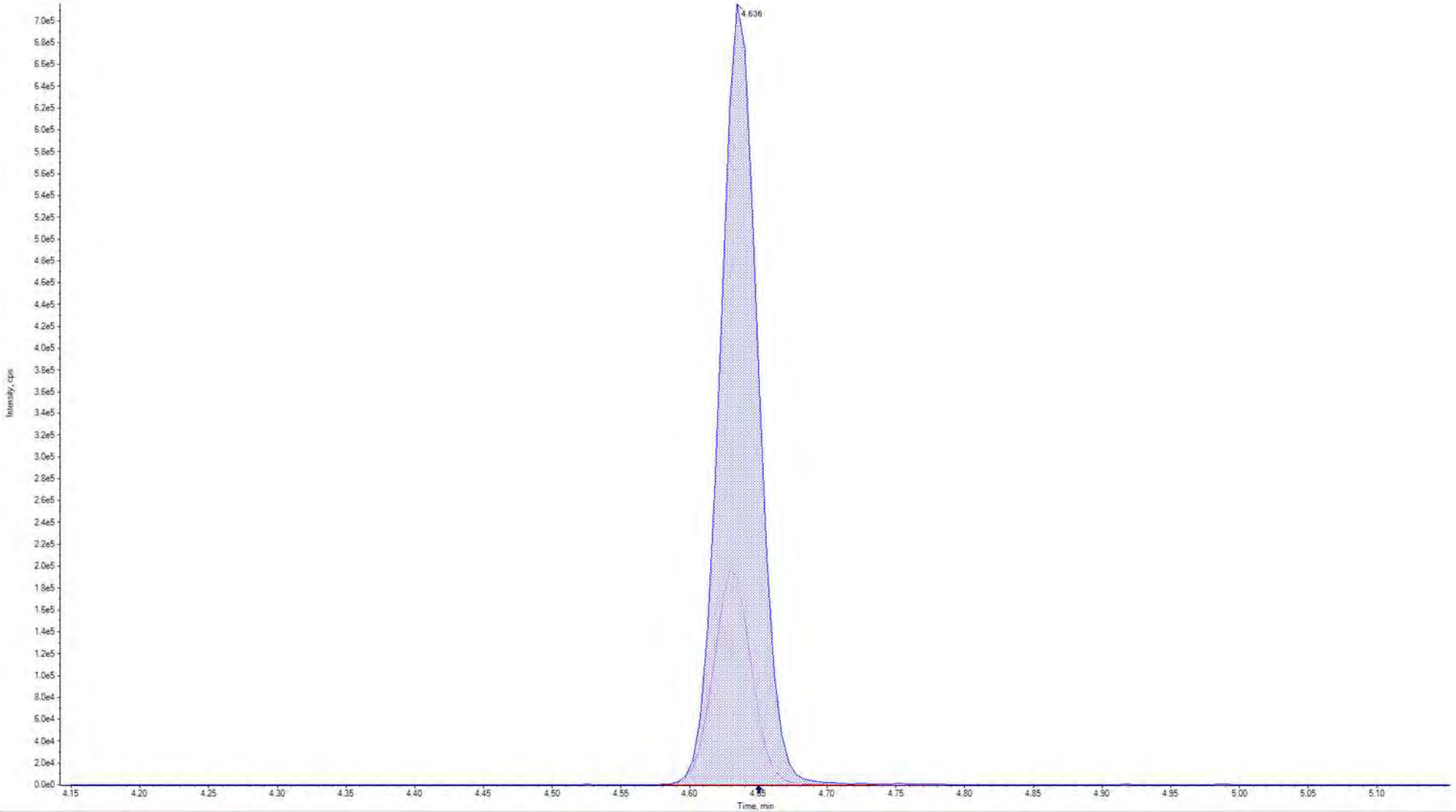

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PFDoA_2
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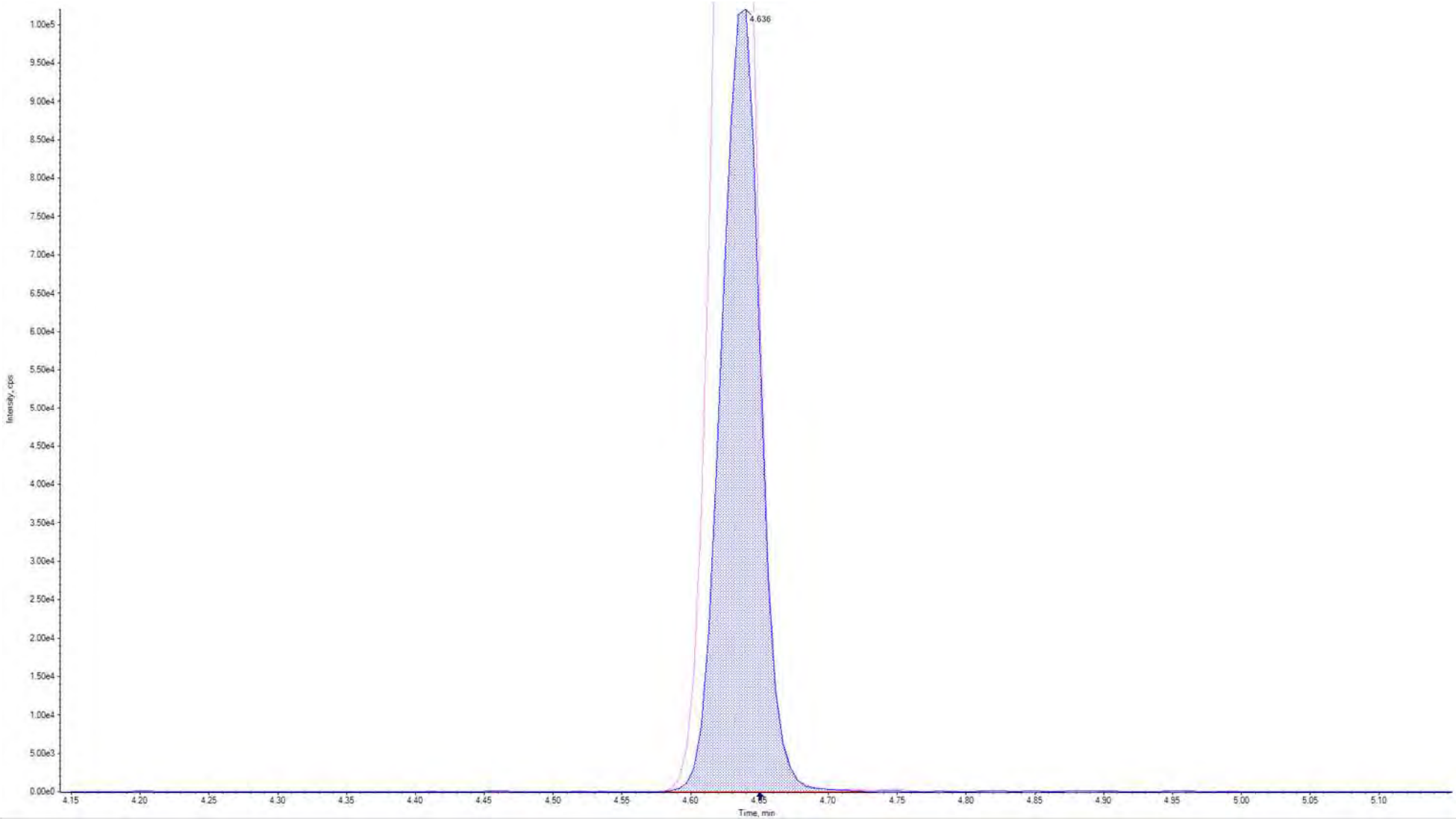

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PFTrDA
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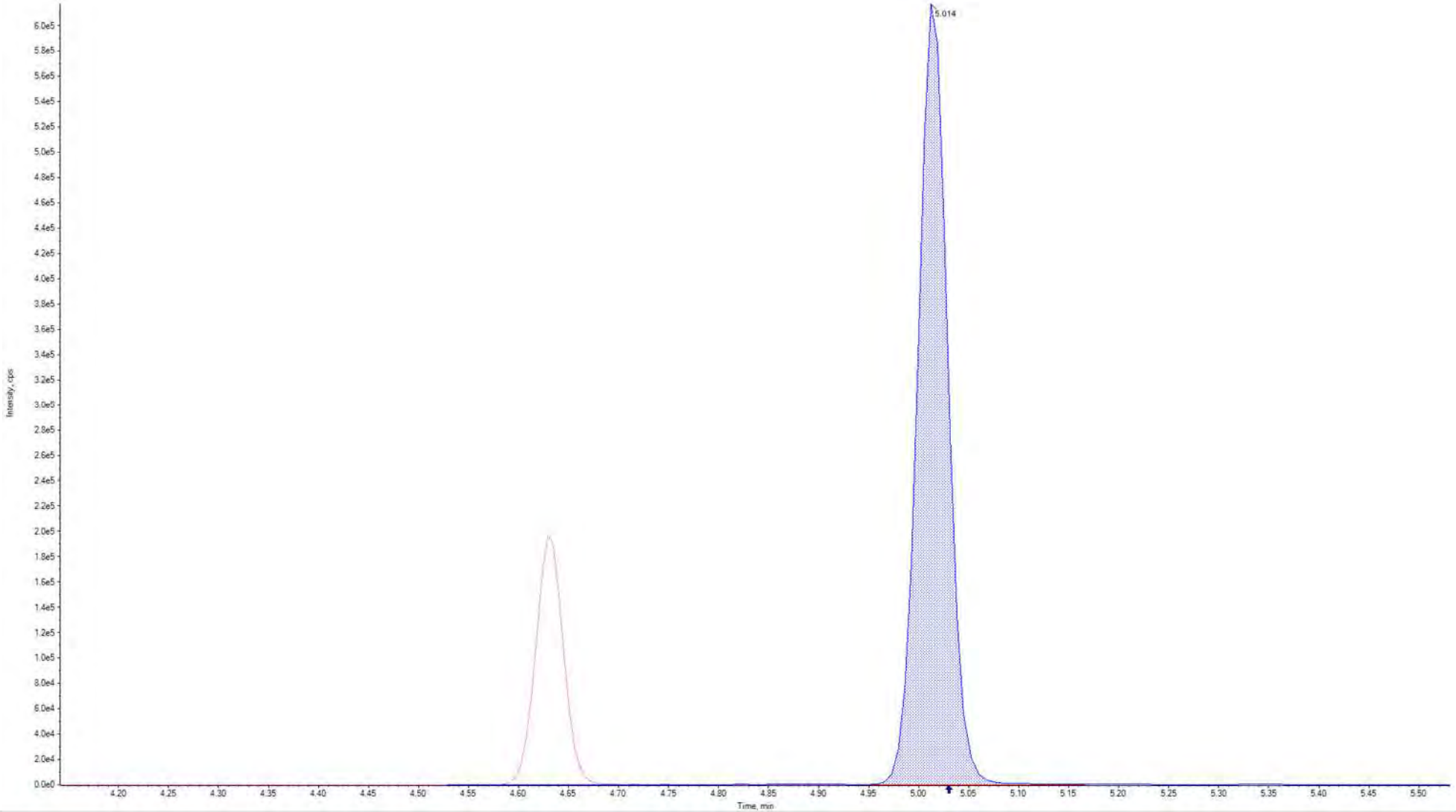

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PFTrDA_2
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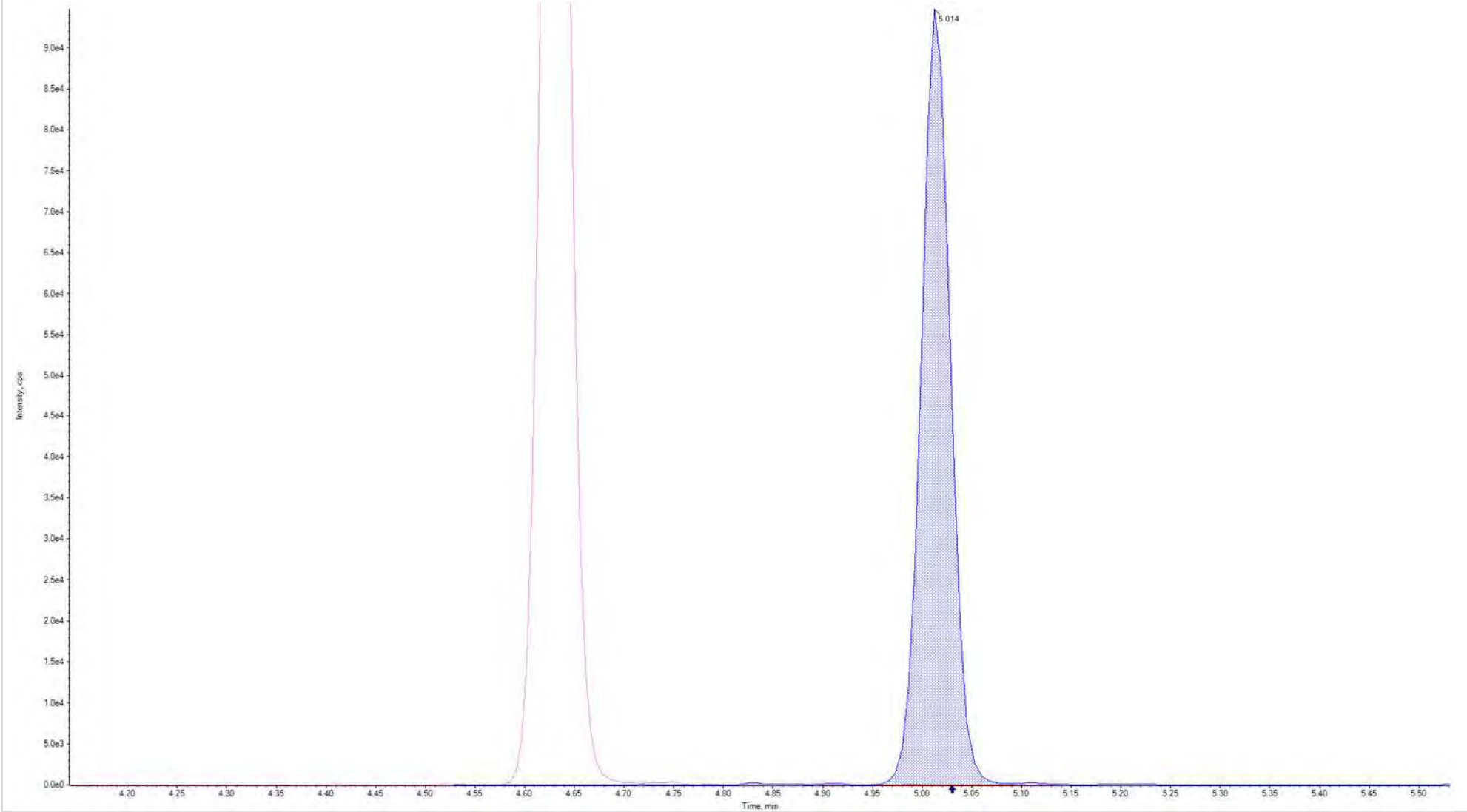

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PFTeDA
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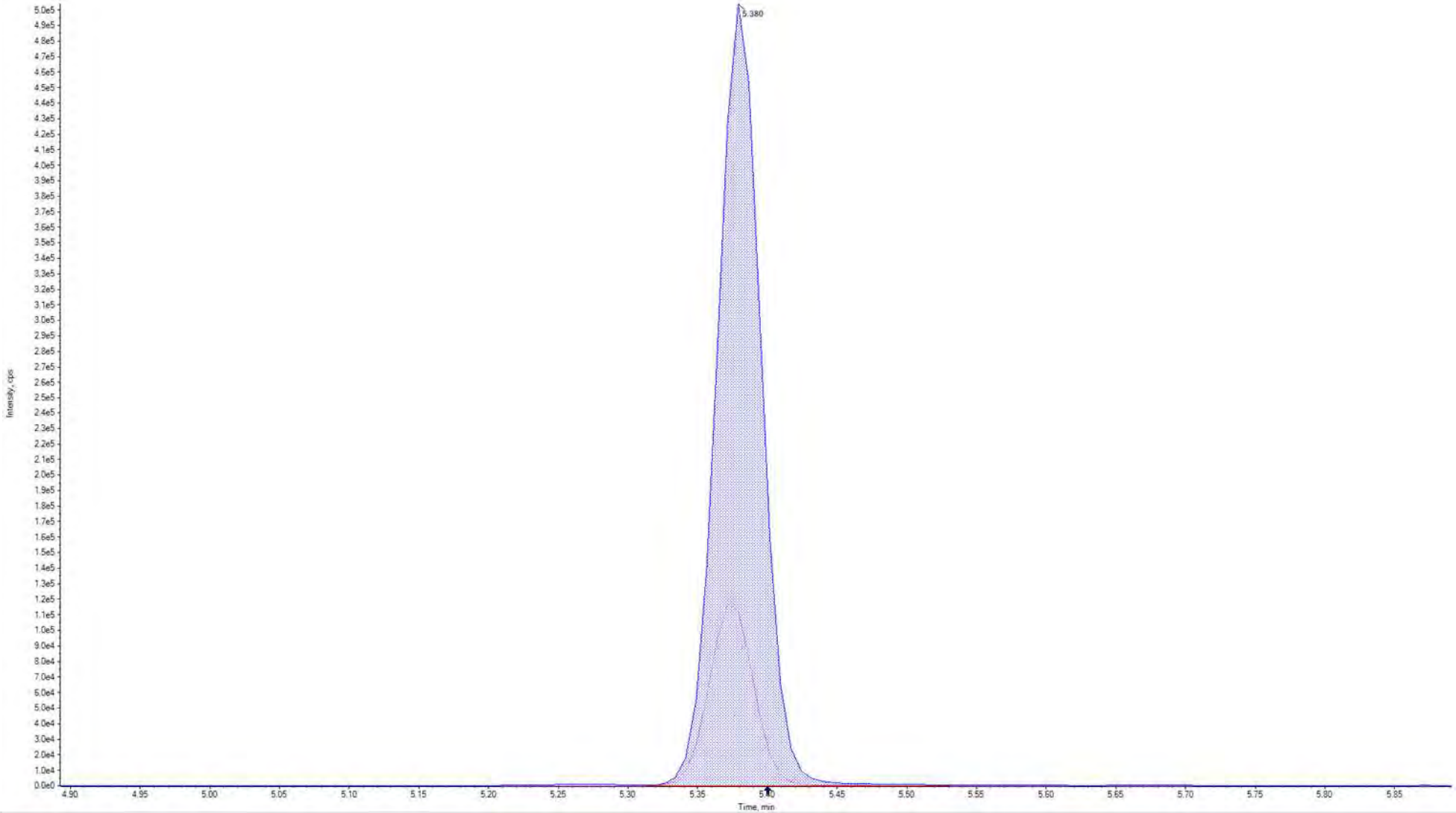

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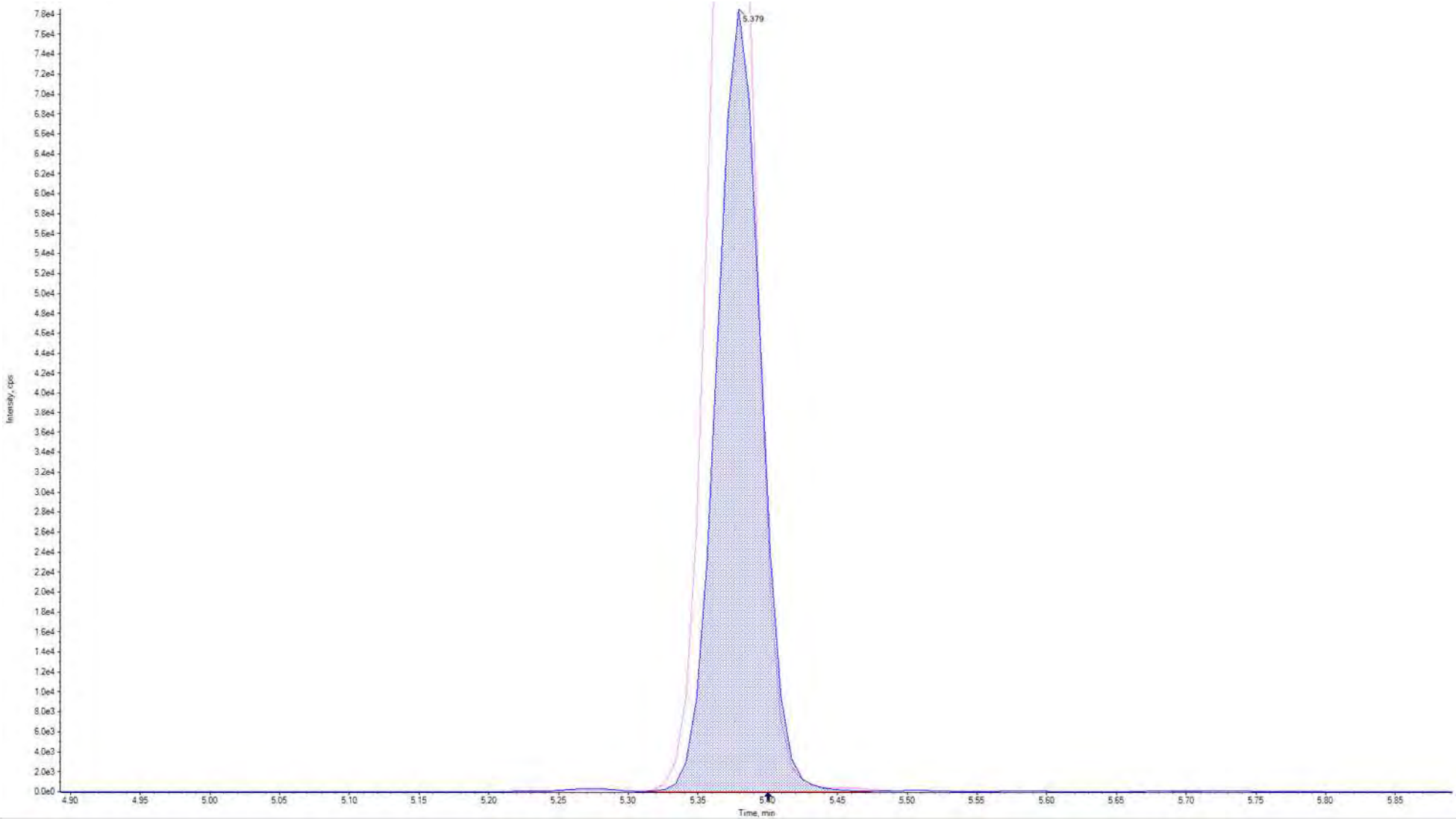
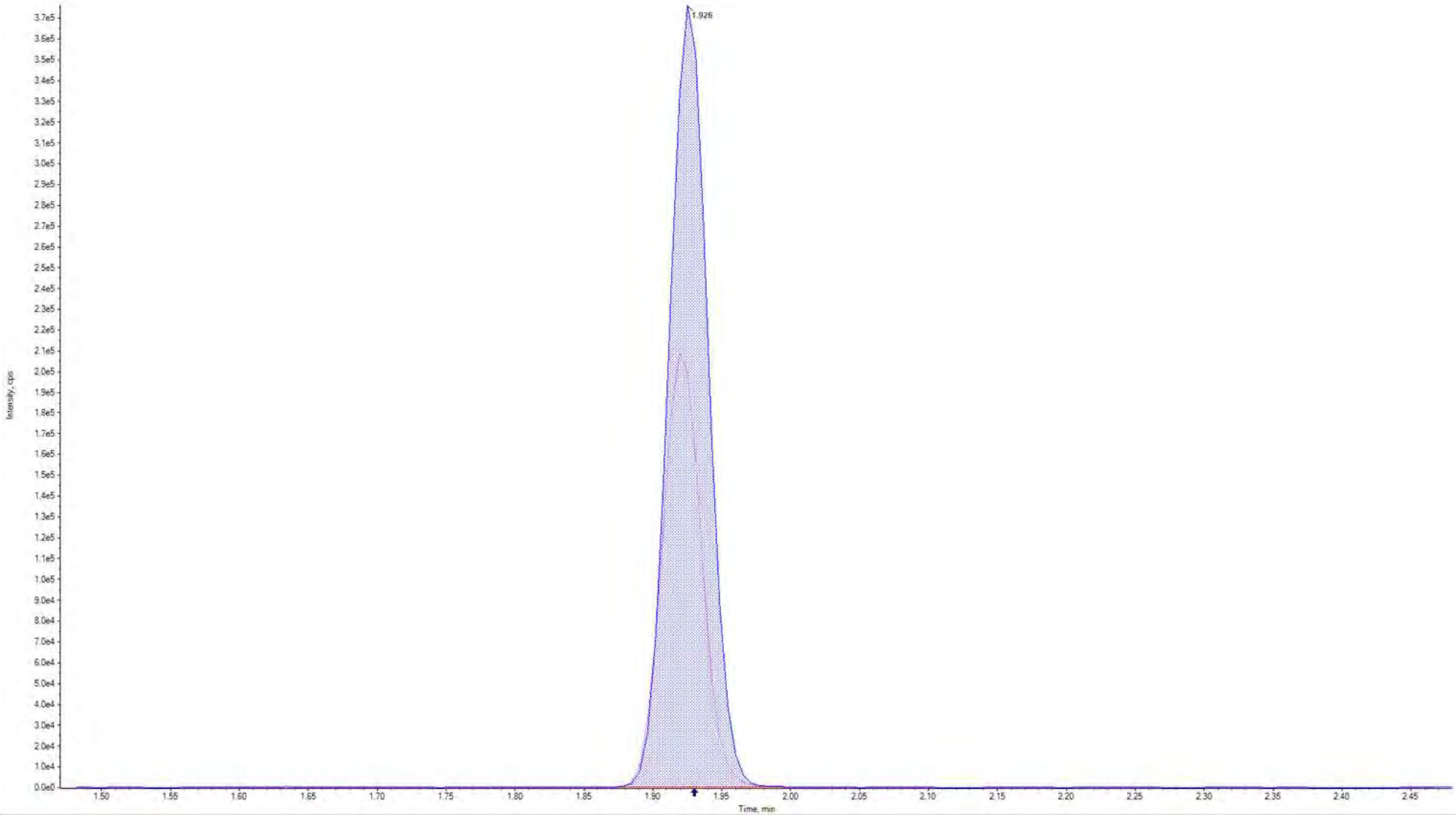
PFTeDA_2
Sample: WG2038851-5,1633FMED S/N:1562.8 Points Across peak:23



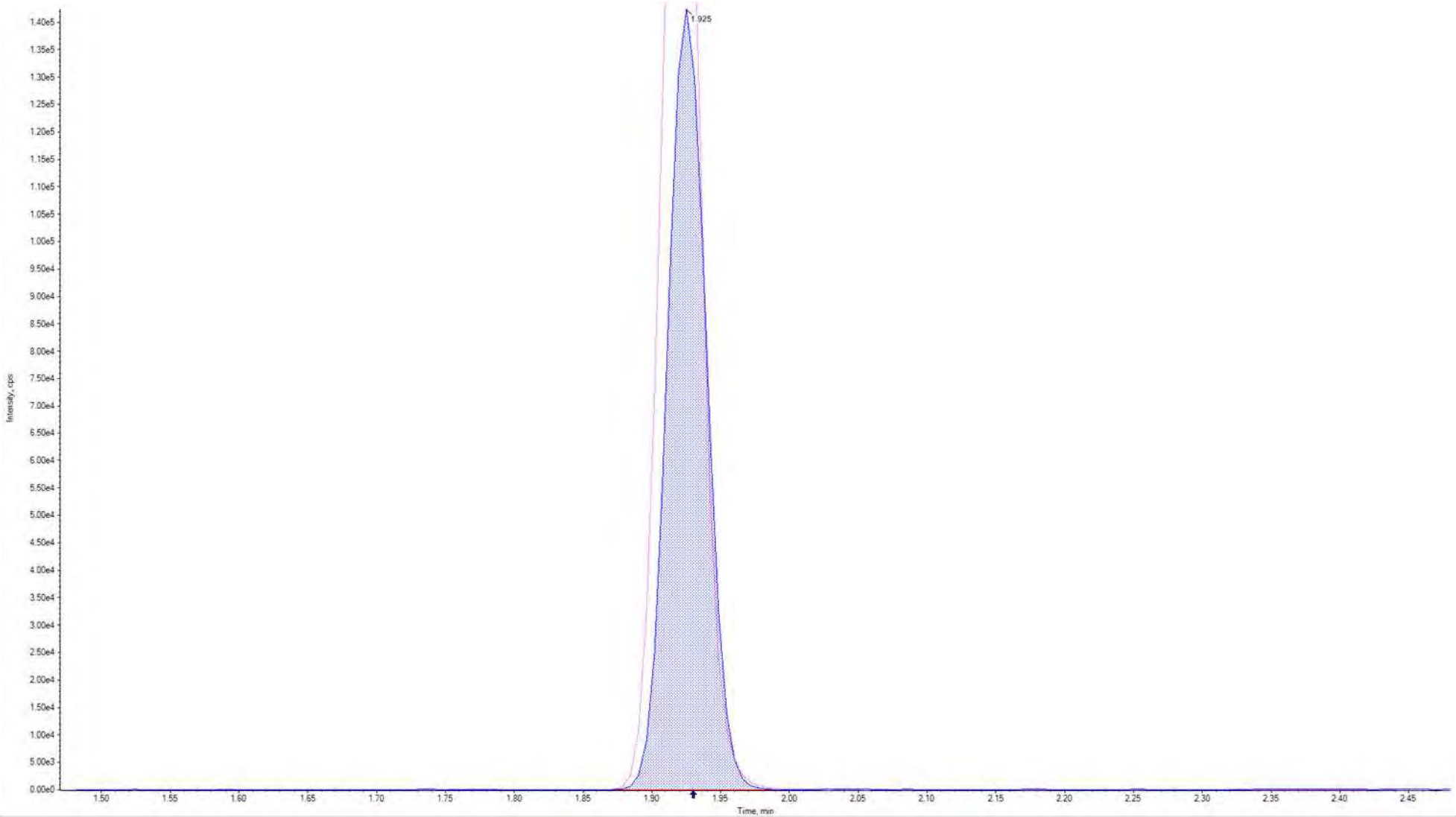
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

PFBS
Sample: WG2038851-5,1633FMED S/N:3437.4 Points Across peak:27



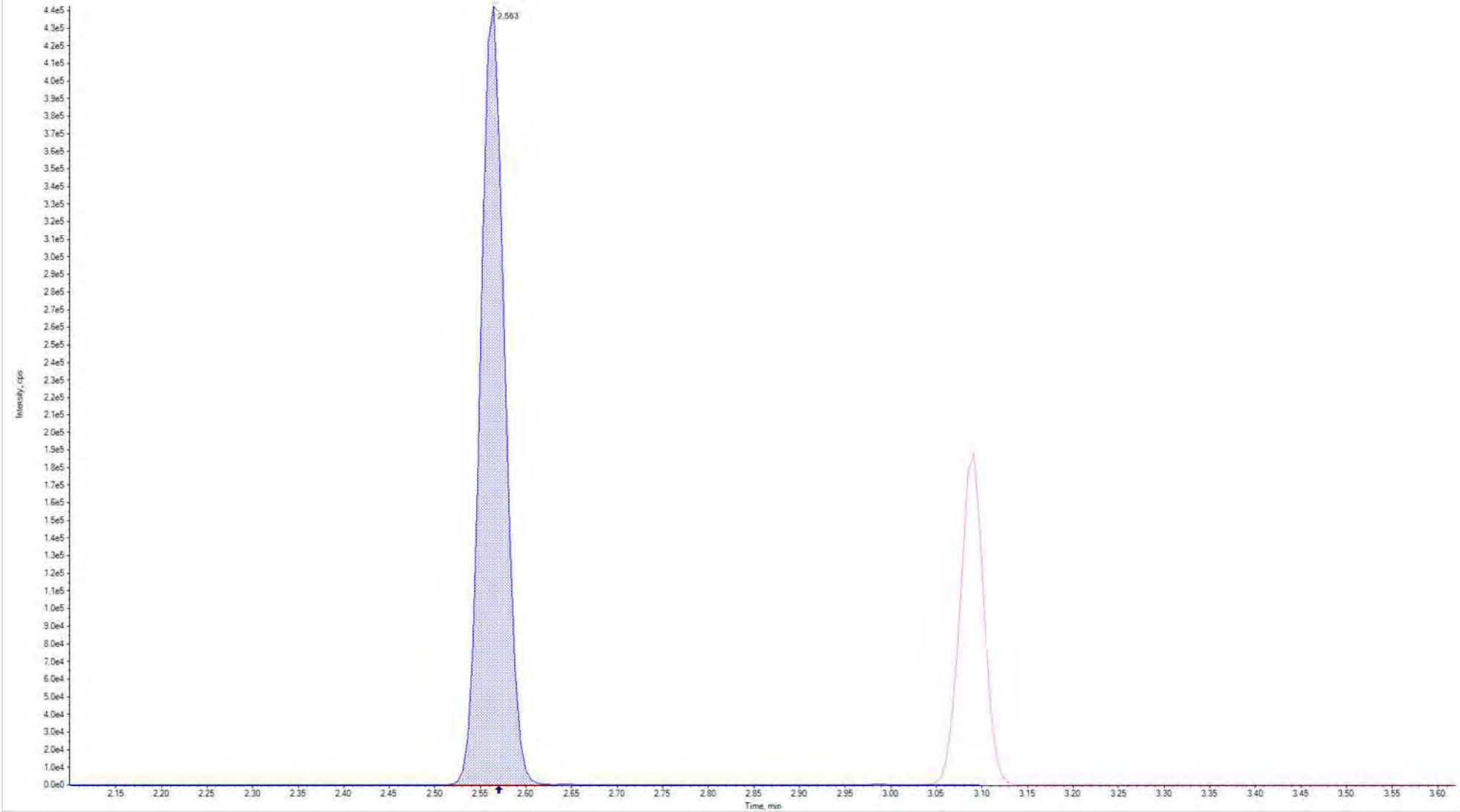
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

PFBS_2
Sample: WG2038851-5,1633FMED S/N:3568.9 Points Across peak:26



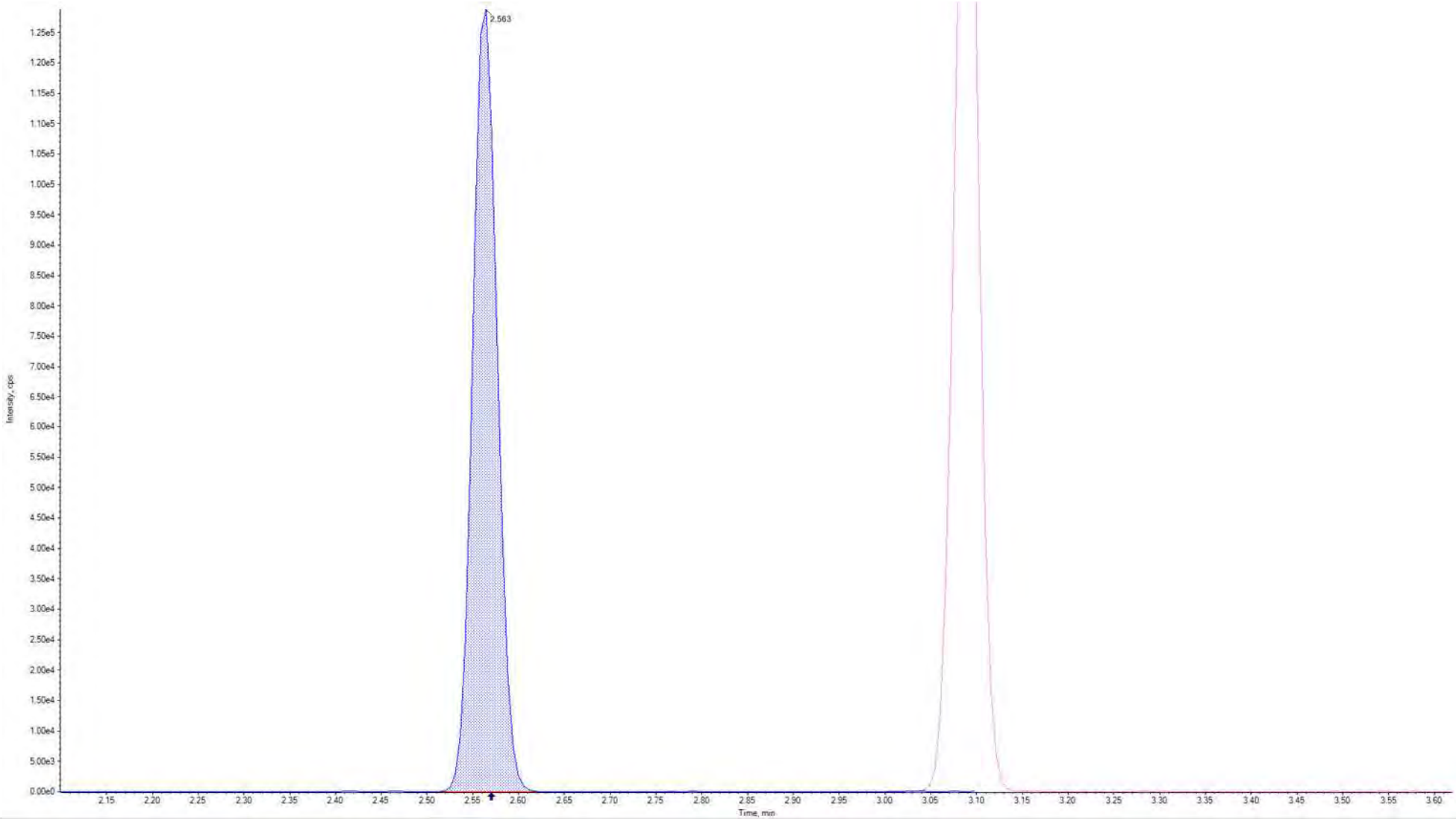
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

PFPeS
Sample: WG2038851-5,1633FMED S/N:8872.8 Points Across peak:25



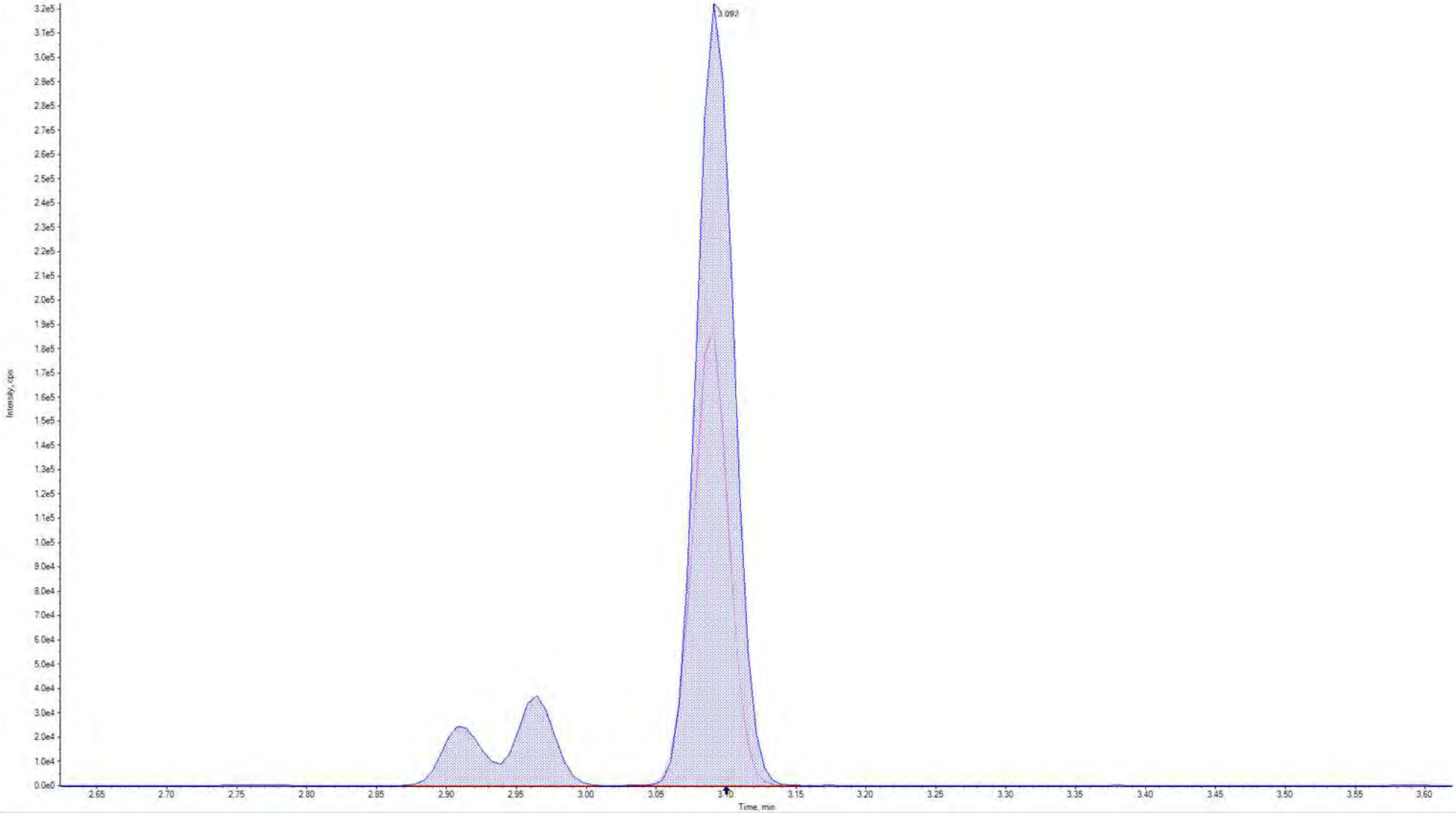
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

PFPeS_2
Sample: WG2038851-5,1633FMED S/N:2583.7 Points Across peak:24



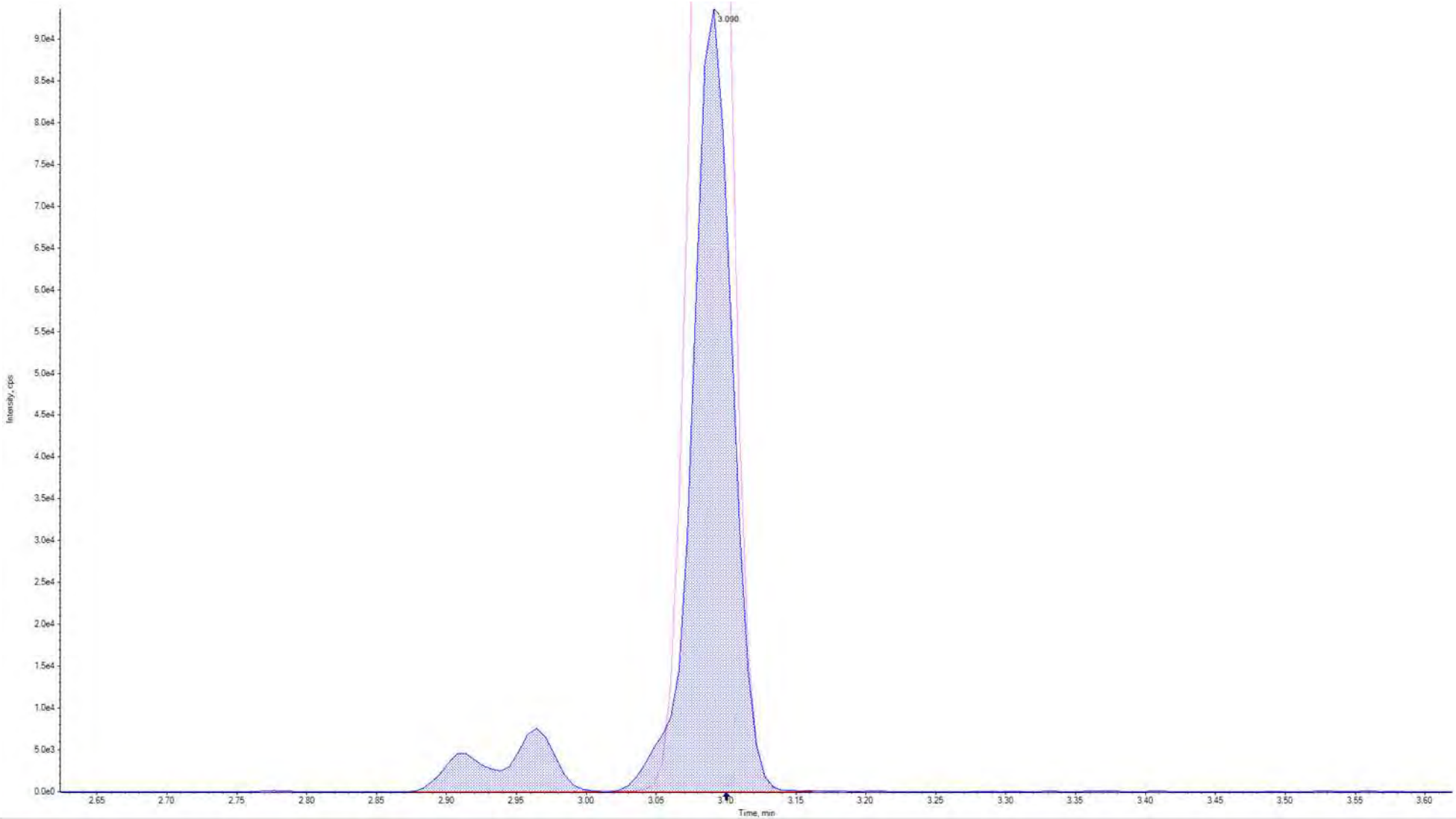
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

PFHxS
Sample: WG2038851-5,1633FMED S/N:1159.8 Points Across peak:53



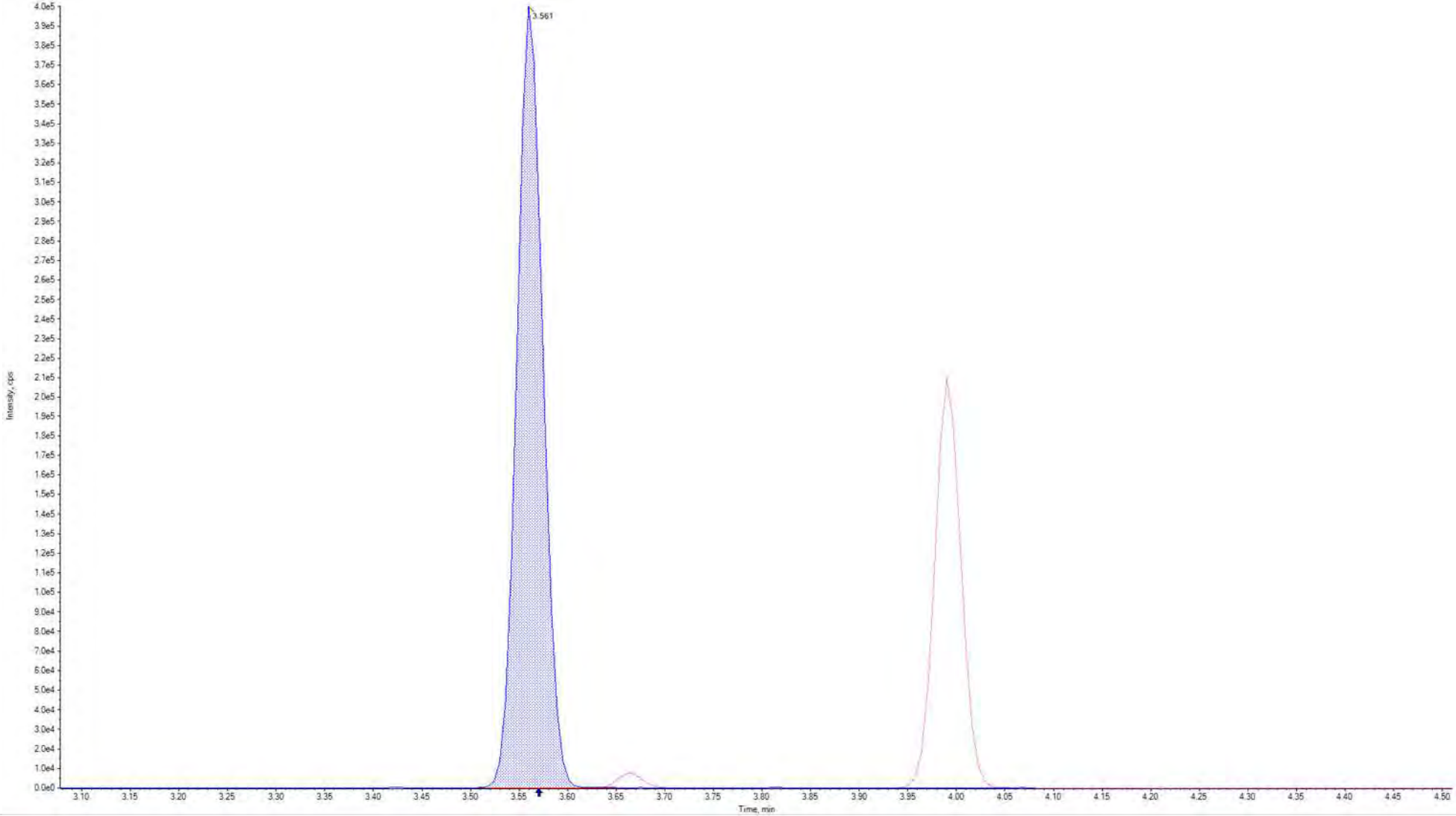
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

PFHxS_2
Sample: WG2038851-5,1633FMED S/N:1099.5 Points Across peak:50



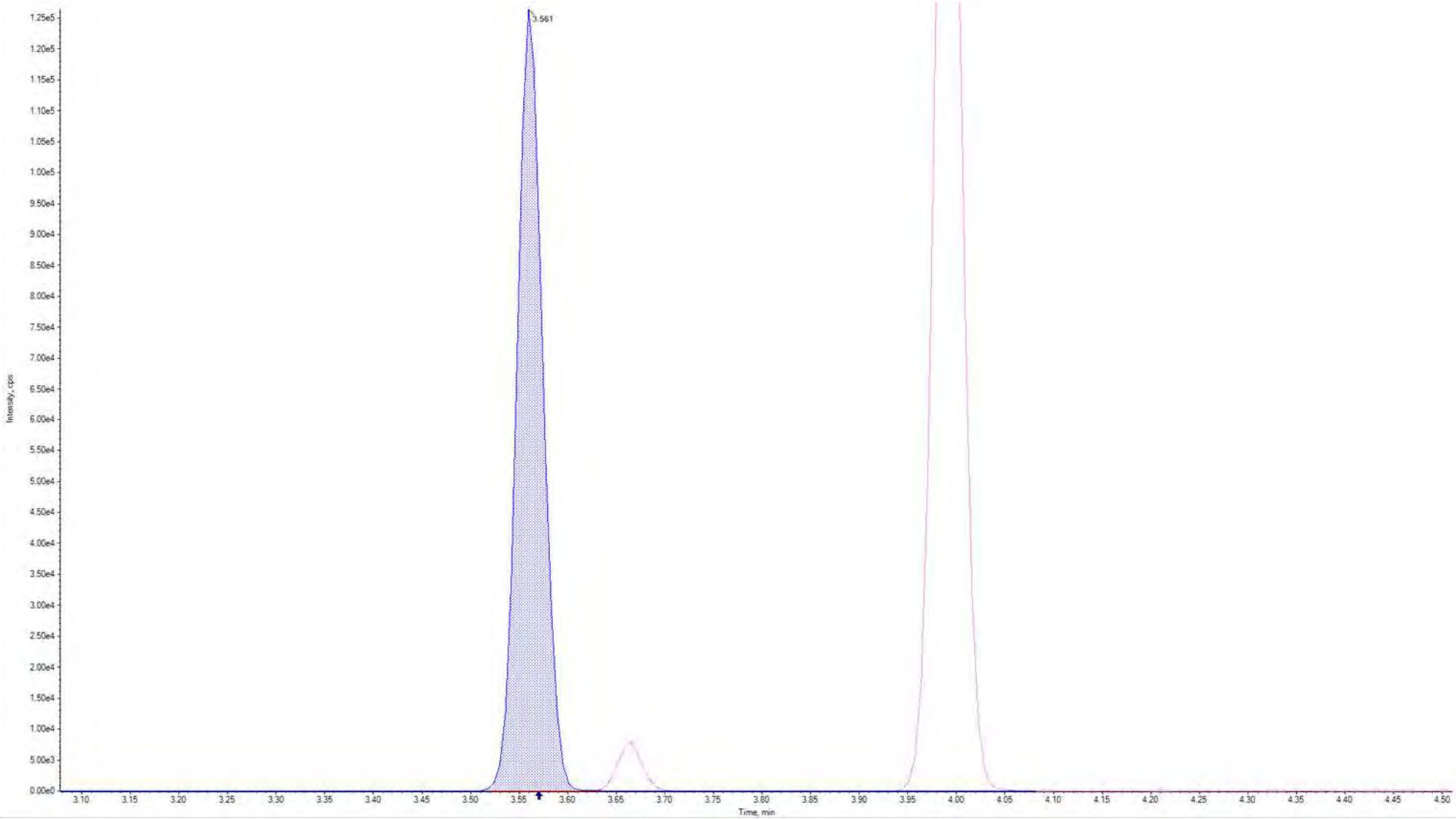
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

PFHpS
Sample: WG2038851-5,1633FMED S/N:5503.1 Points Across peak:29



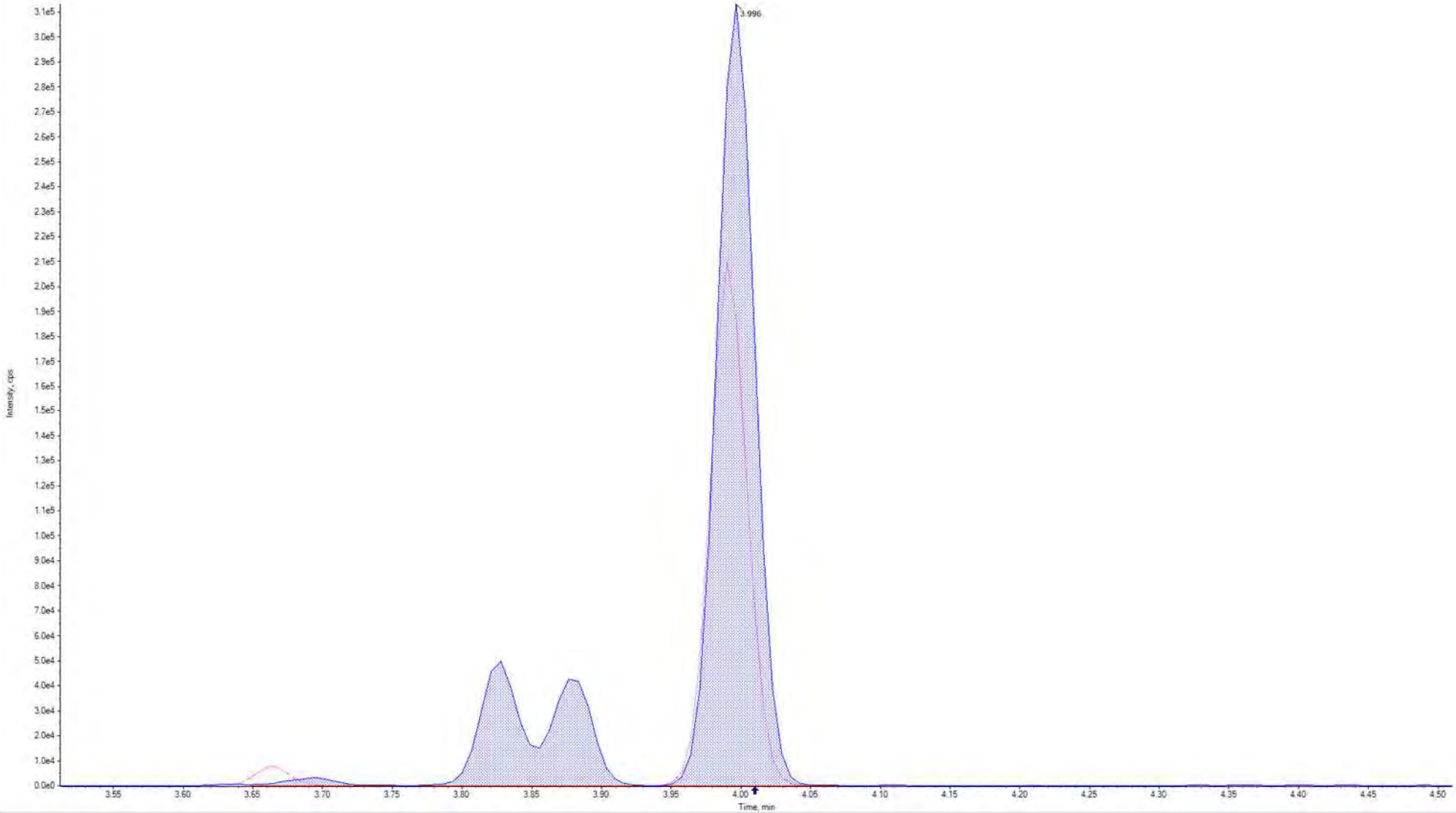
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

PFHpS_2
Sample: WG2038851-5,1633FMED S/N:2535.4 Points Across peak:32



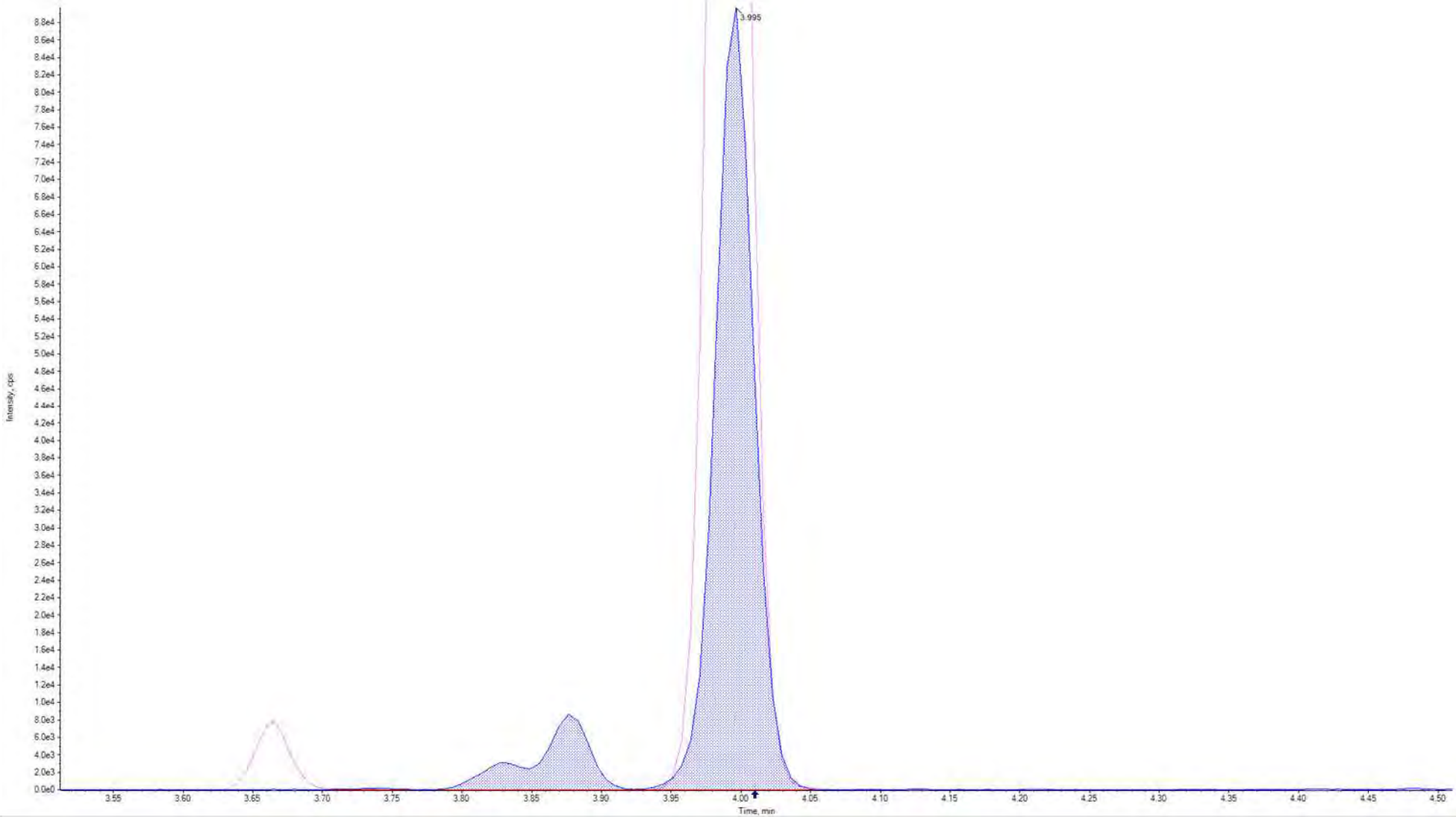
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

PFOS
Sample: WG2038851-5,1633FMED S/N:530.9 Points Across peak:72



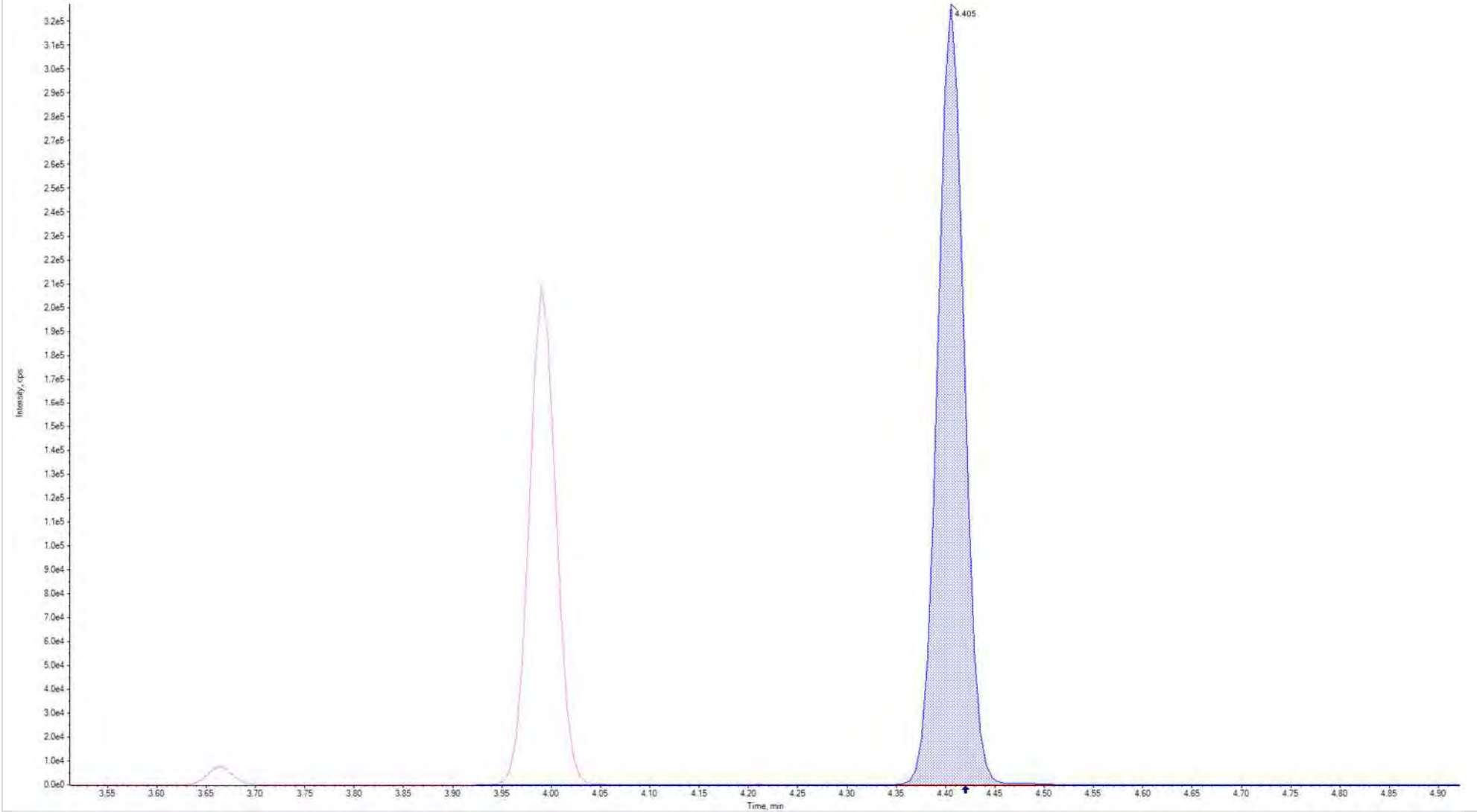
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

PFOS_2
Sample: WG2038851-5,1633FMED S/N:946.1 Points Across peak:57



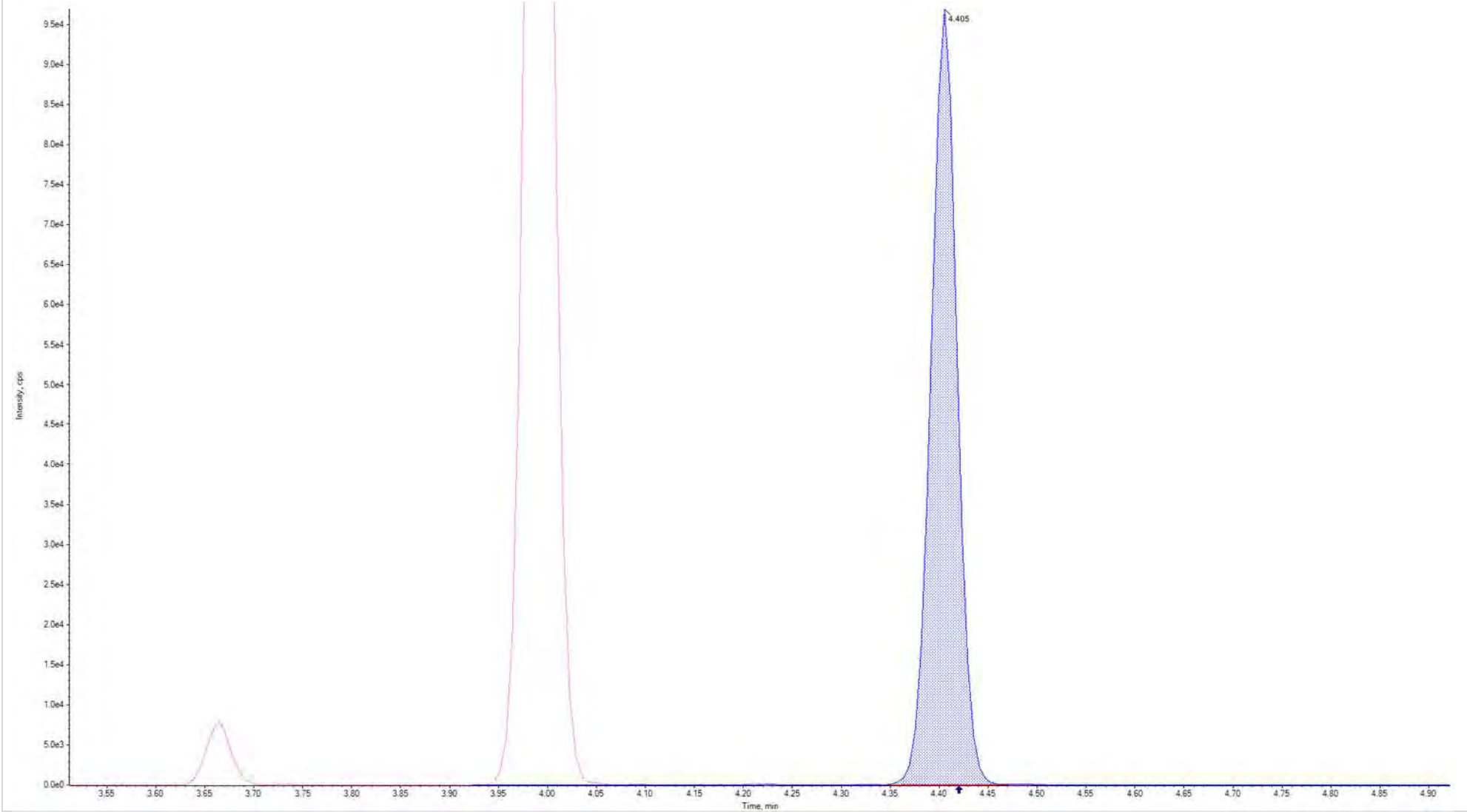
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

PFNS
Sample: WG2038851-5,1633FMED S/N:4647.7 Points Across peak:37



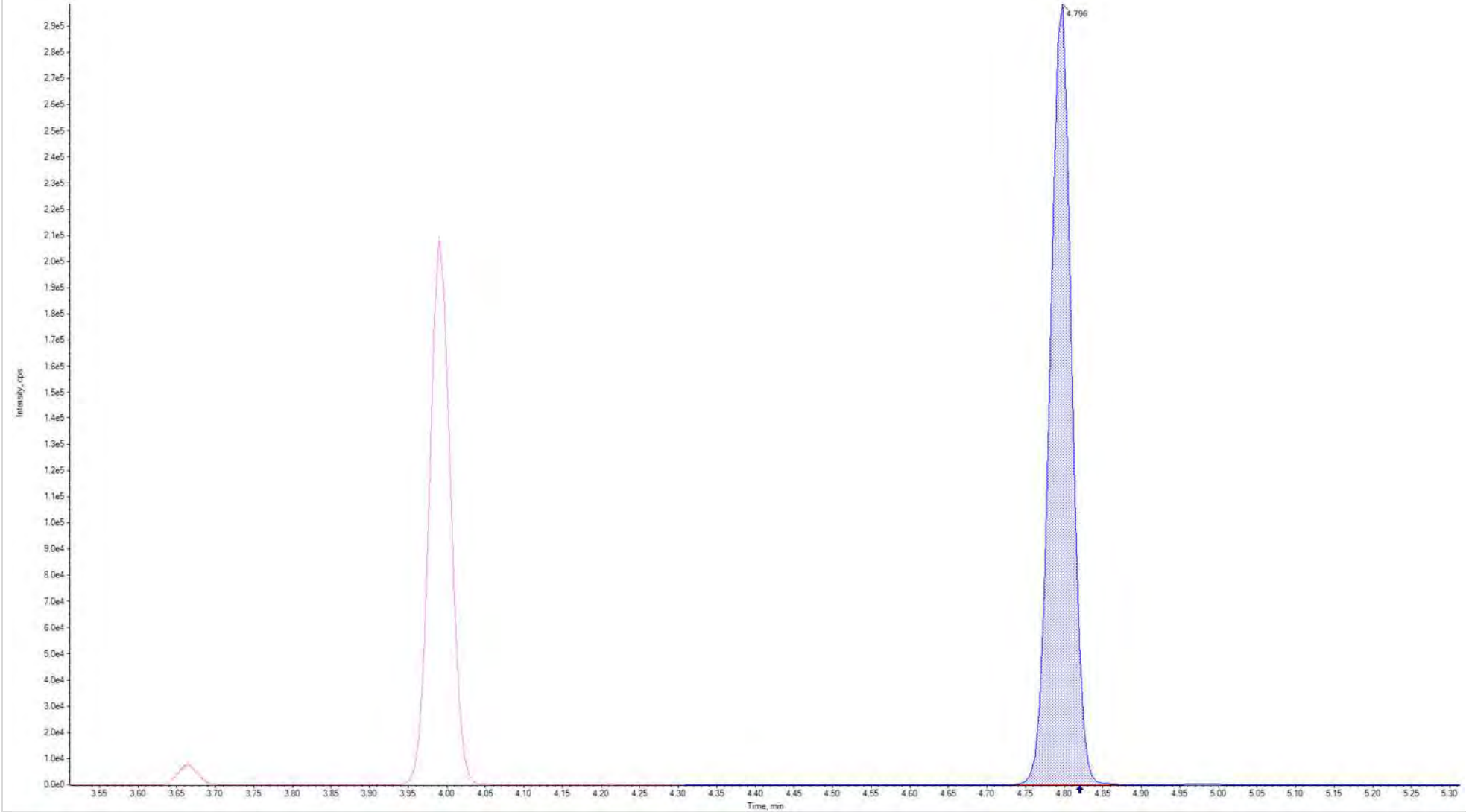
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

PFNS_2
Sample: WG2038851-5,1633FMED S/N:2429.3 Points Across peak:28



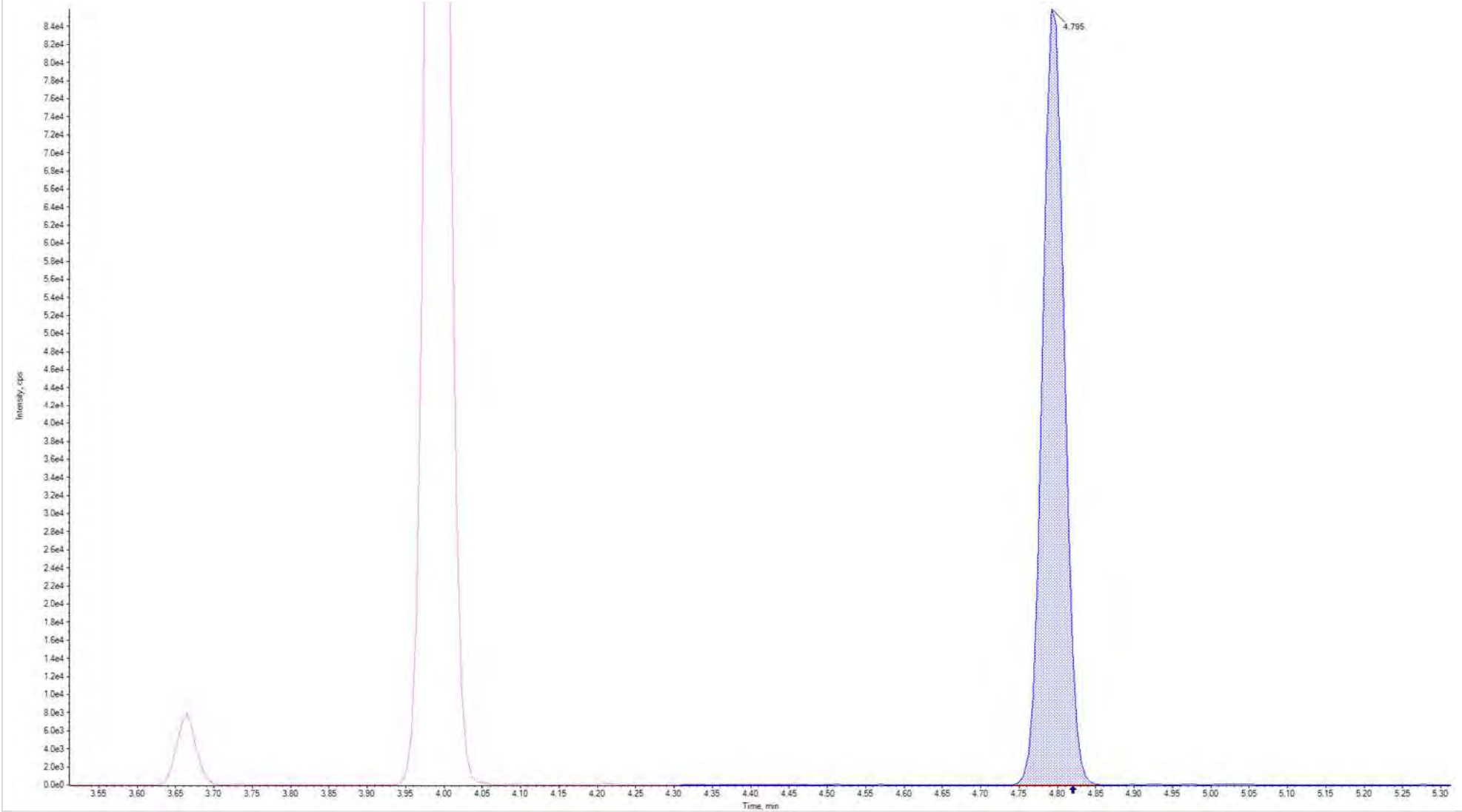
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

PFDS
Sample: WG2038851-5,1633FMED S/N:5819.6 Points Across peak:36



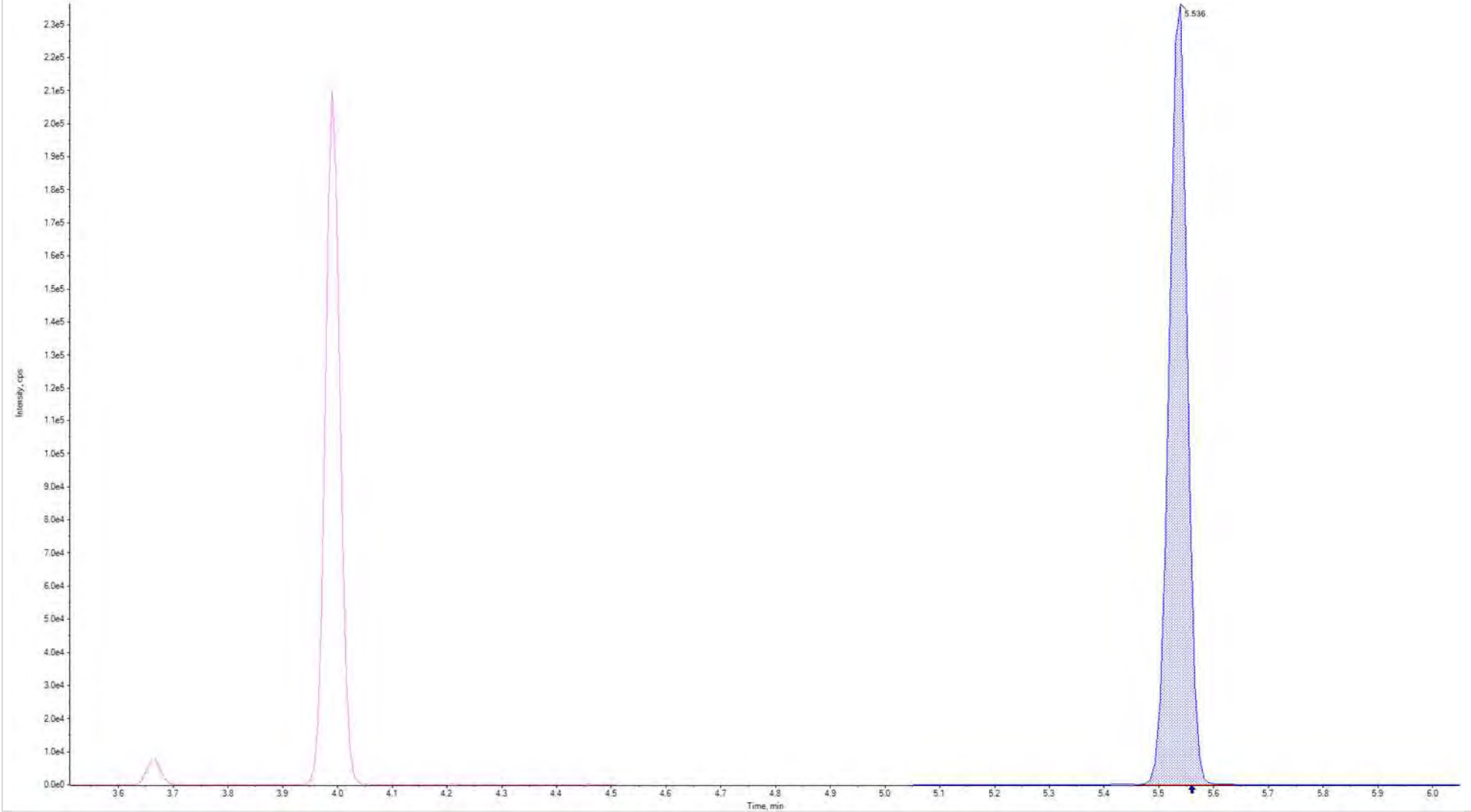
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

PFDS_2
Sample: WG2038851-5,1633FMED S/N:3015.4 Points Across peak:25



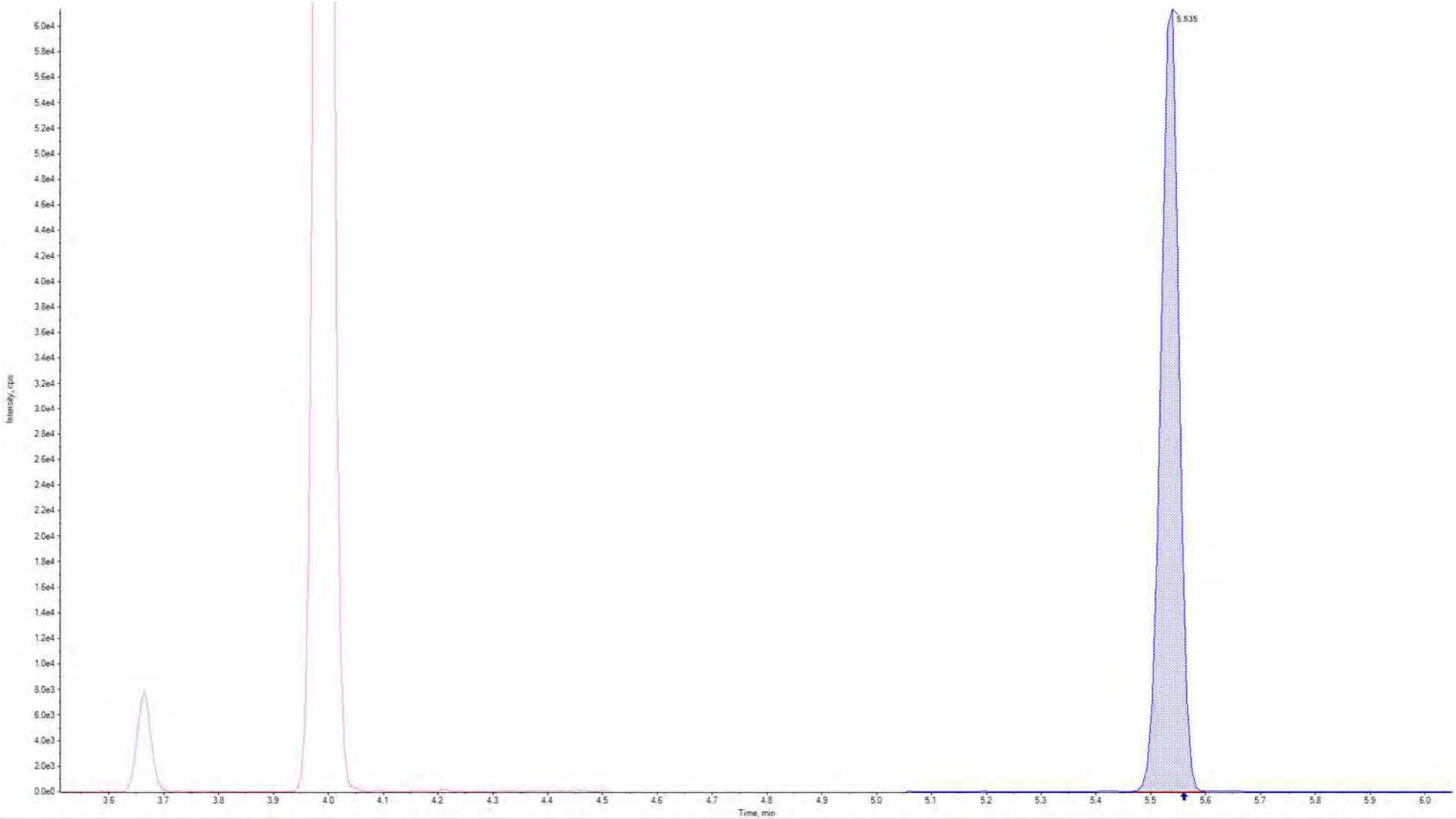
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

PFDoS
Sample: WG2038851-5,1633FMED S/N:18355.0 Points Across peak:24



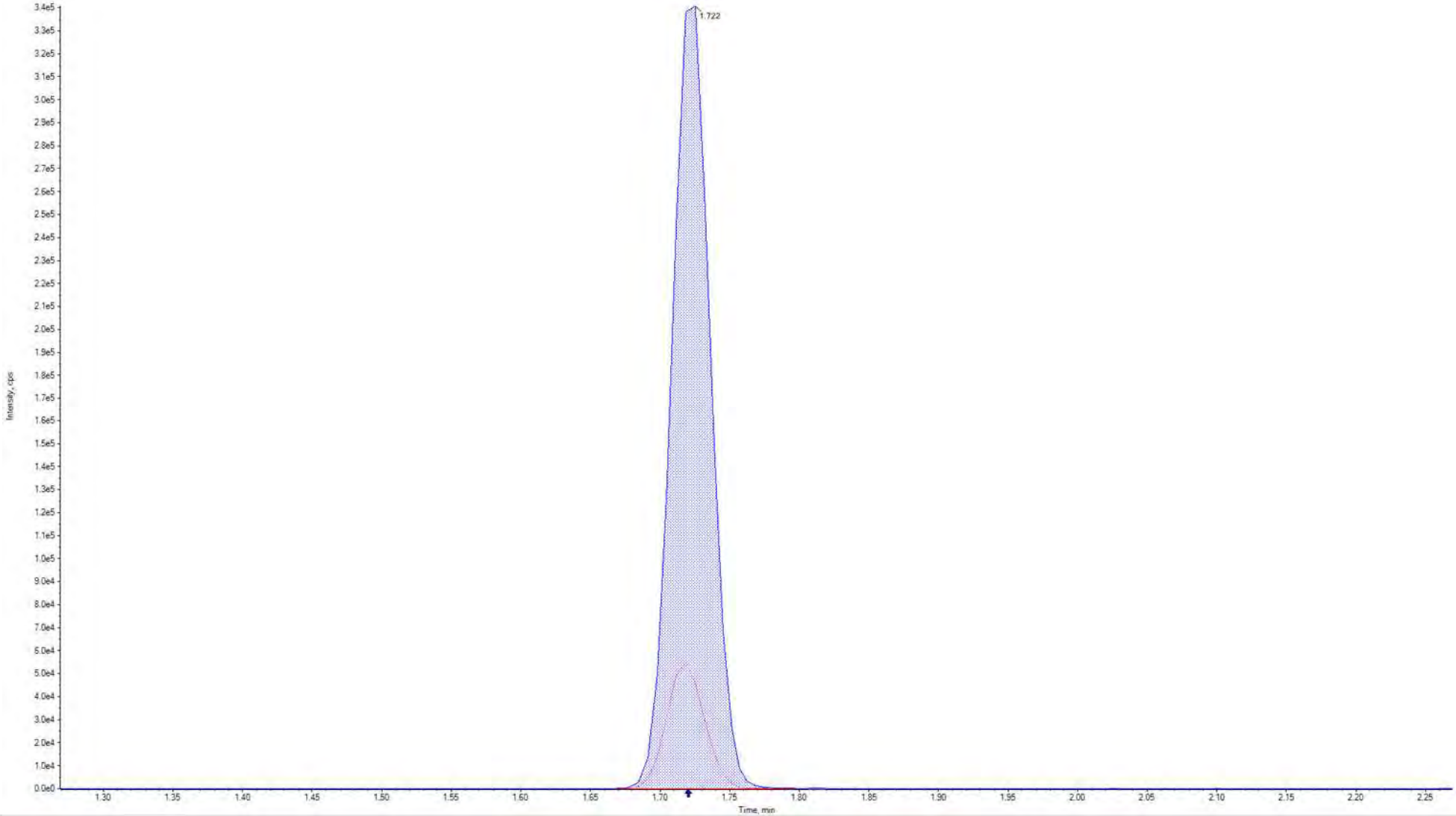
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

PFDoS_2
Sample: WG2038851-5,1633FMED S/N:2093.5 Points Across peak:17



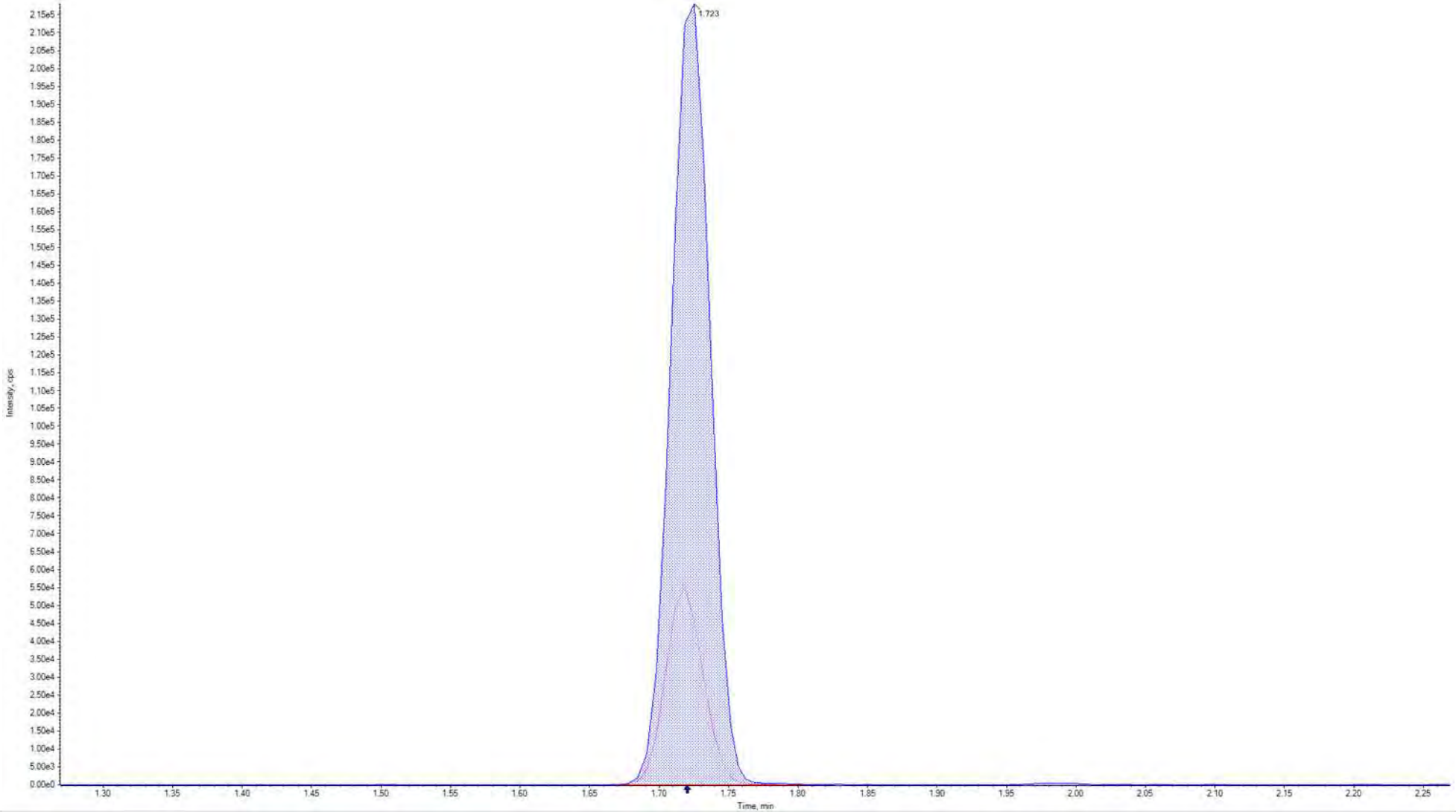
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

4:2FTS
Sample: WG2038851-5,1633FMED S/N:12239.9 Points Across peak:28



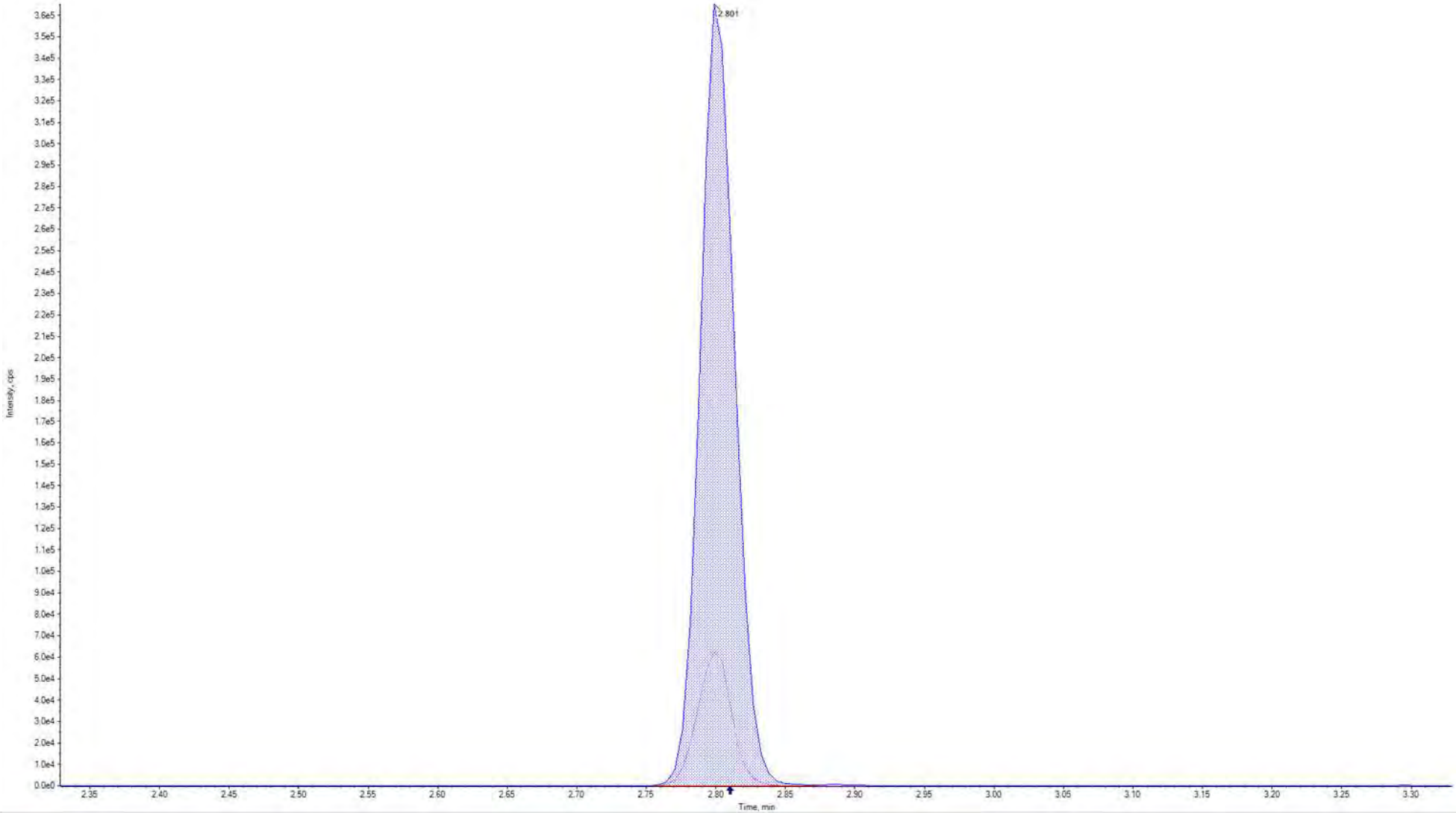
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

4:2FTS_2
Sample: WG2038851-5,1633FMED S/N:6491.8 Points Across peak:25



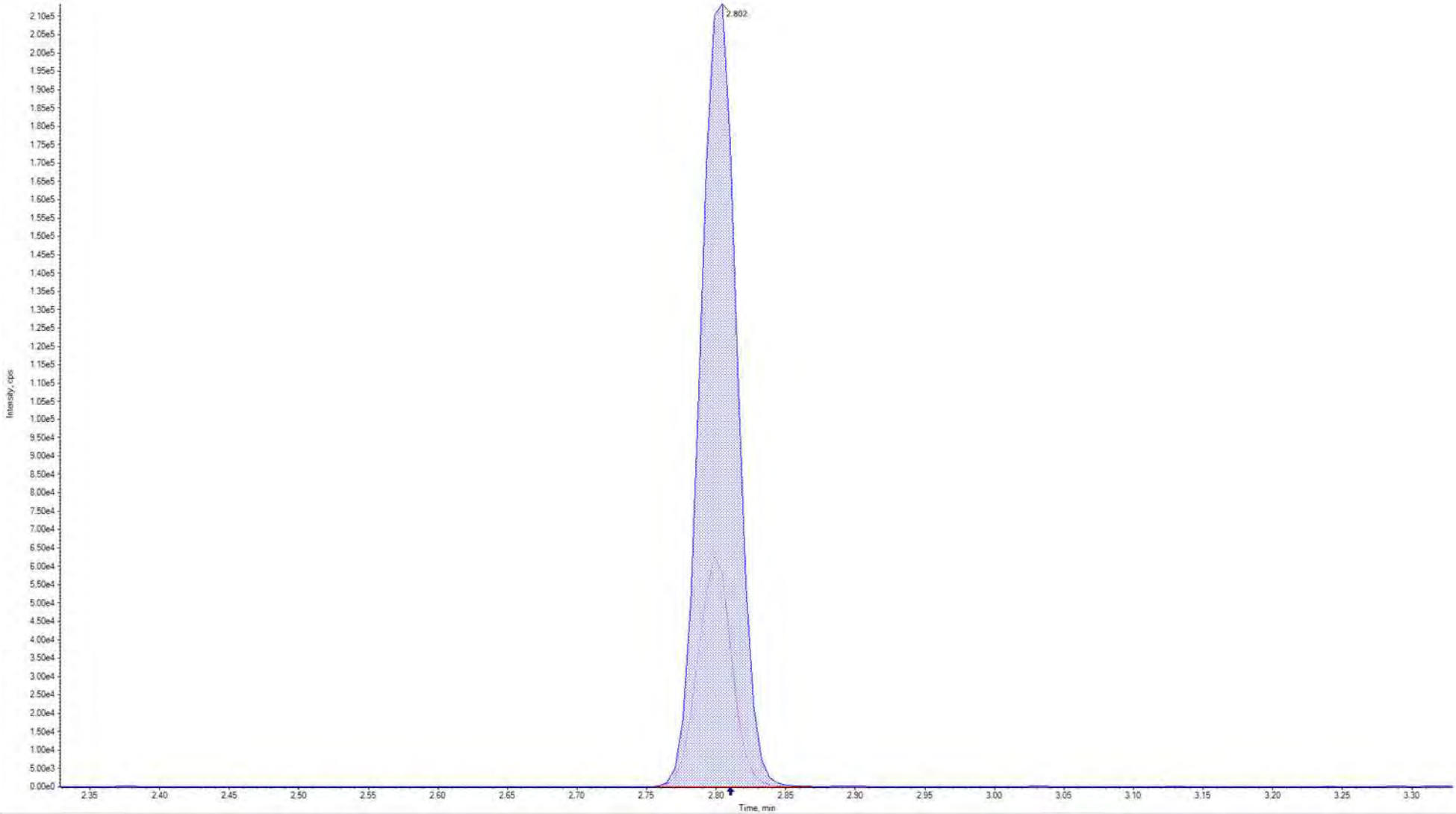
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

6:2FTS
Sample: WG2038851-5,1633FMED S/N:4694.5 Points Across peak:25



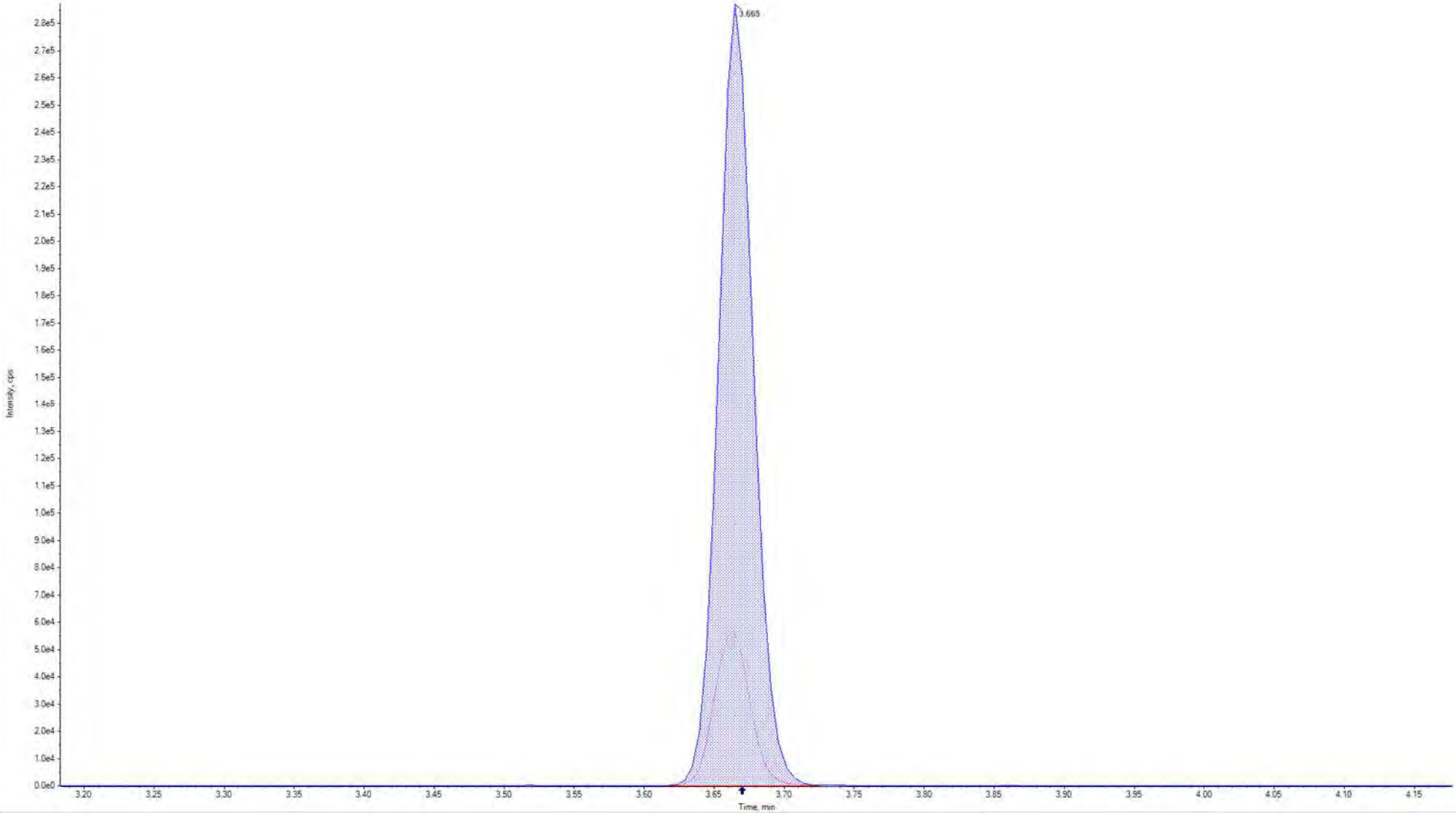
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

6:2FTS_2
Sample: WG2038851-5,1633FMED S/N:4278.1 Points Across peak:25



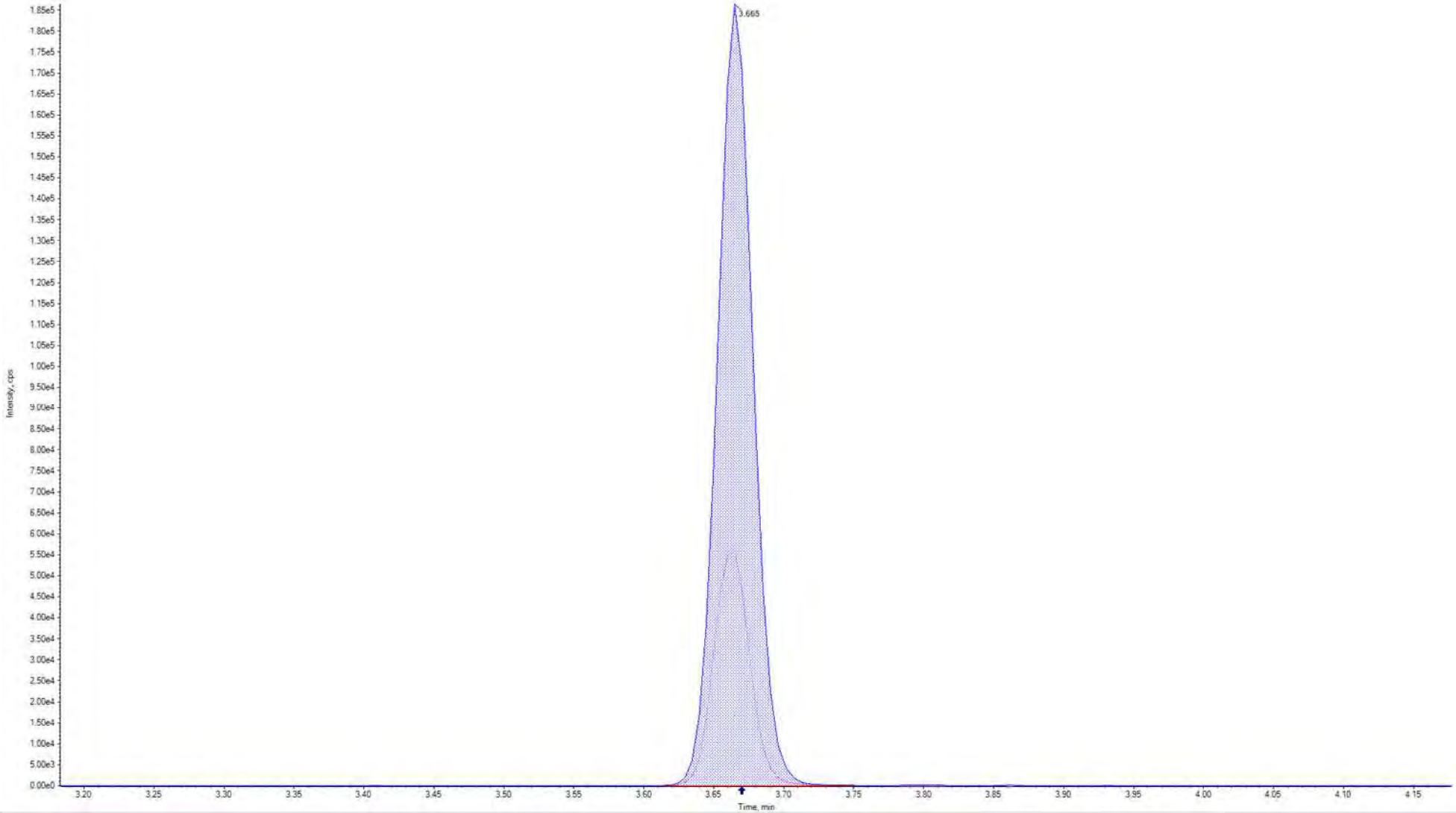
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

8:2FTS
Sample: WG2038851-5,1633FMED S/N:5758.7 Points Across peak:24



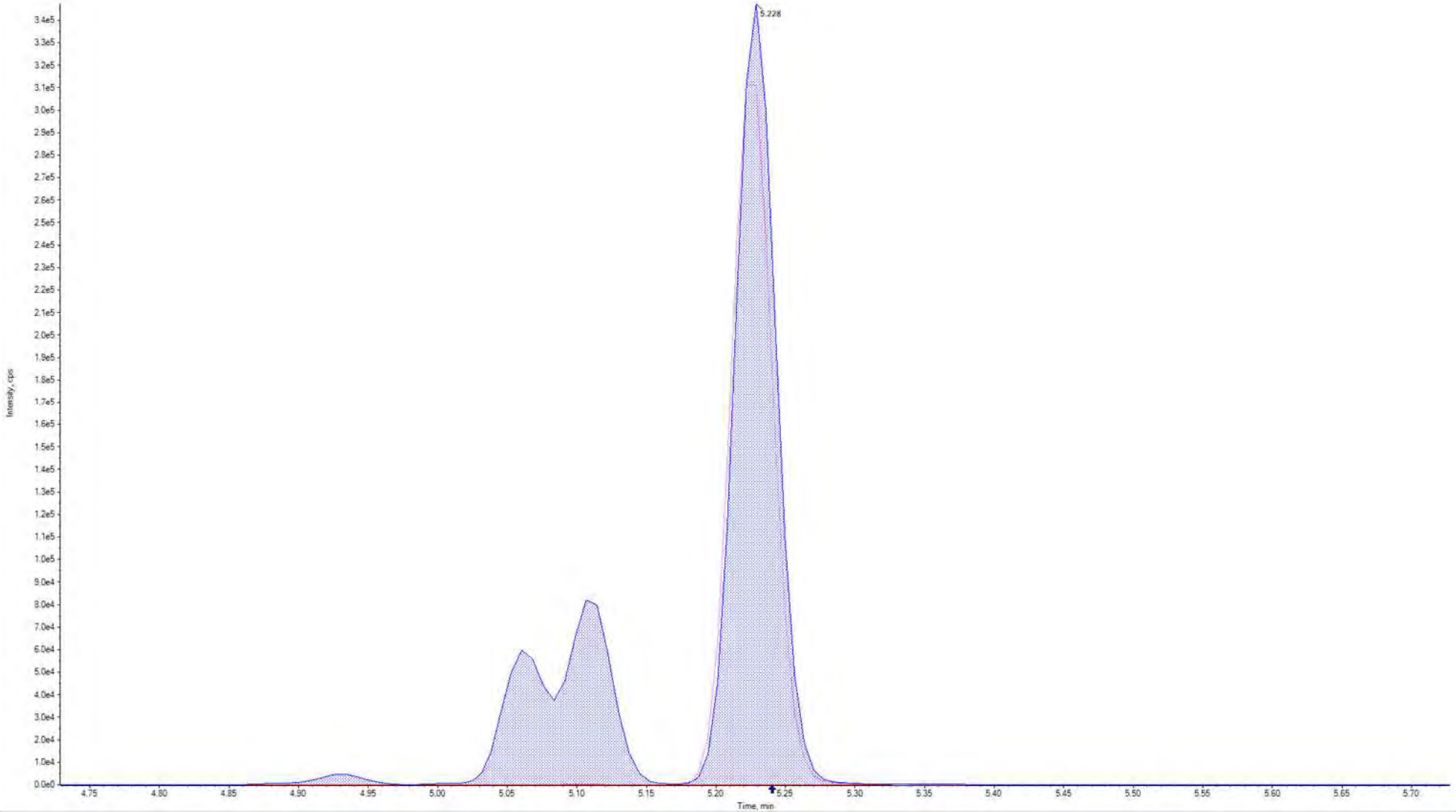
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

8:2FTS_2
Sample: WG2038851-5,1633FMED S/N:3739.3 Points Across peak:33



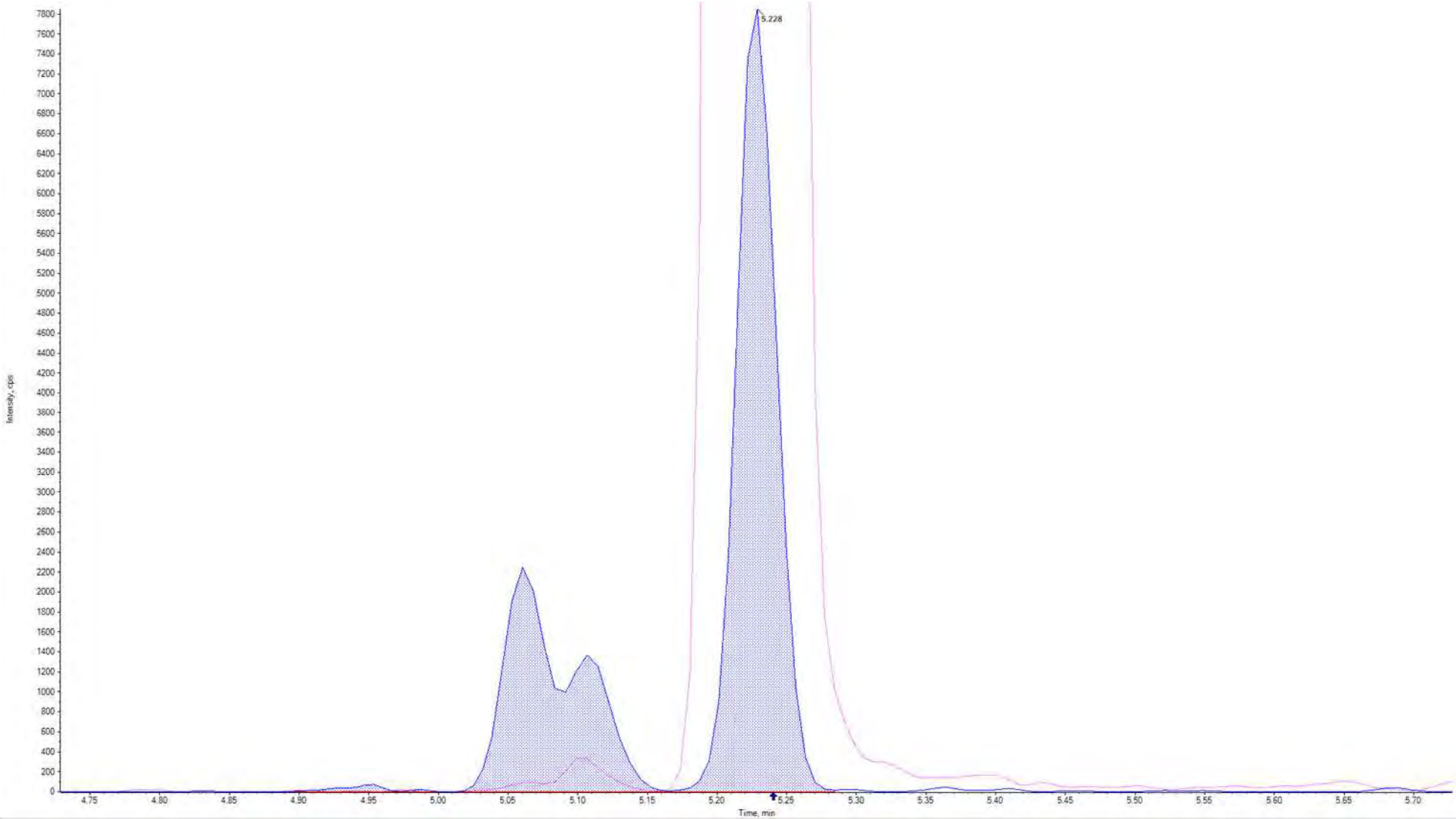
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

PFOSA
Sample: WG2038851-5,1633FMED S/N:385.4 Points Across peak:72



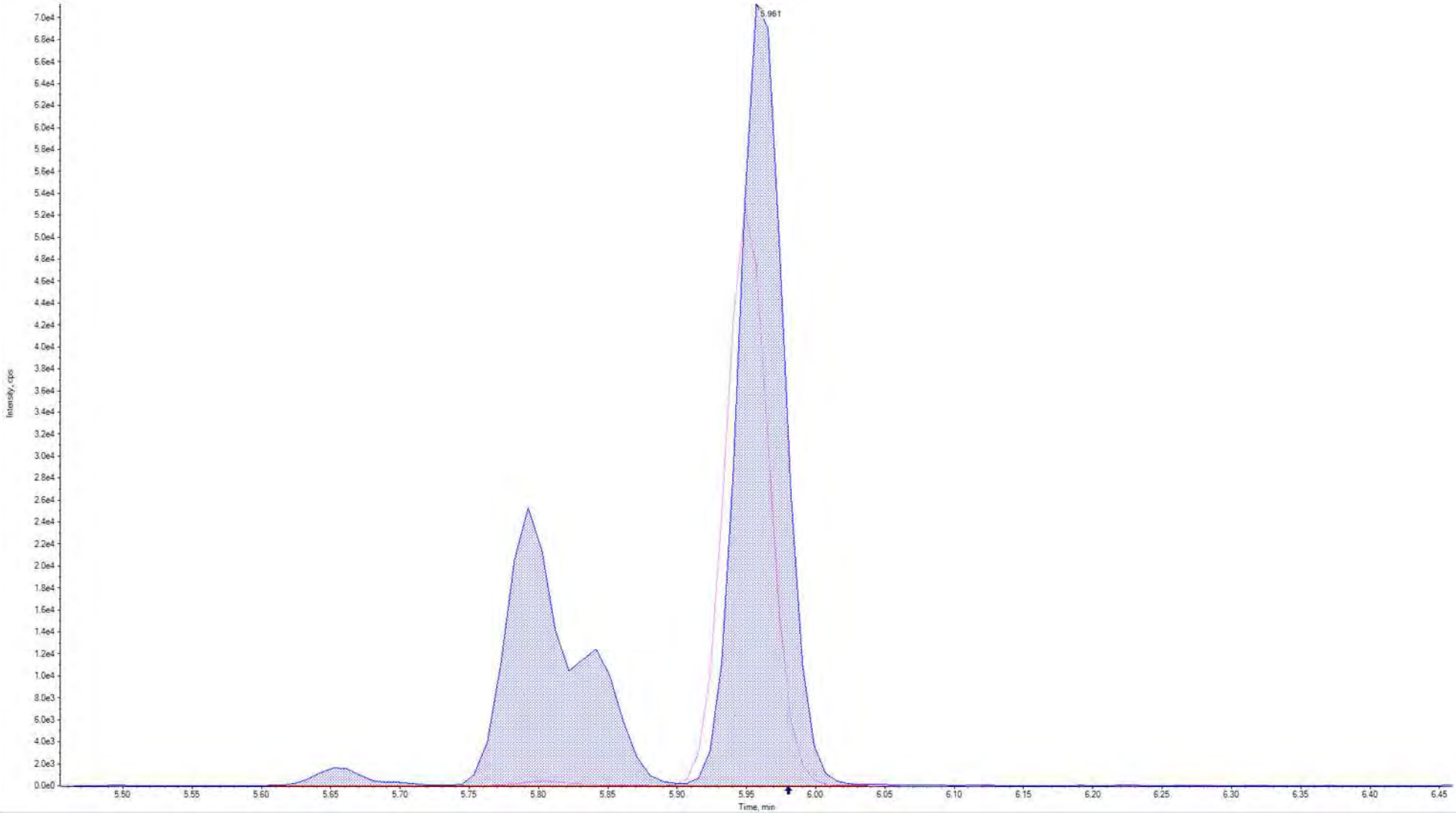
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

PFOSA_2
Sample: WG2038851-5,1633FMED S/N:301.1 Points Across peak:59



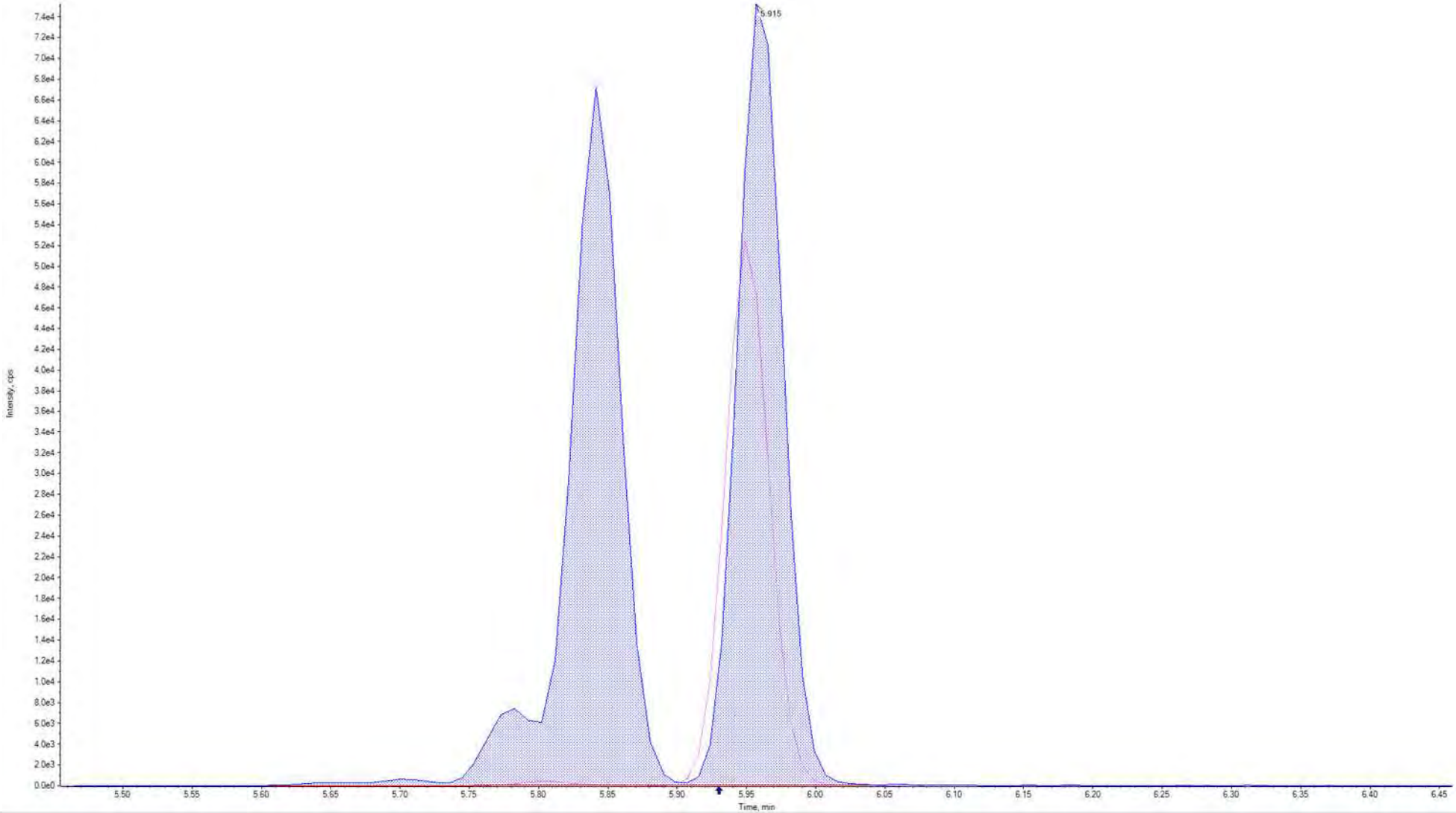
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

NMeFOSA
Sample: WG2038851-5,1633FMED S/N:329.4 Points Across peak:52



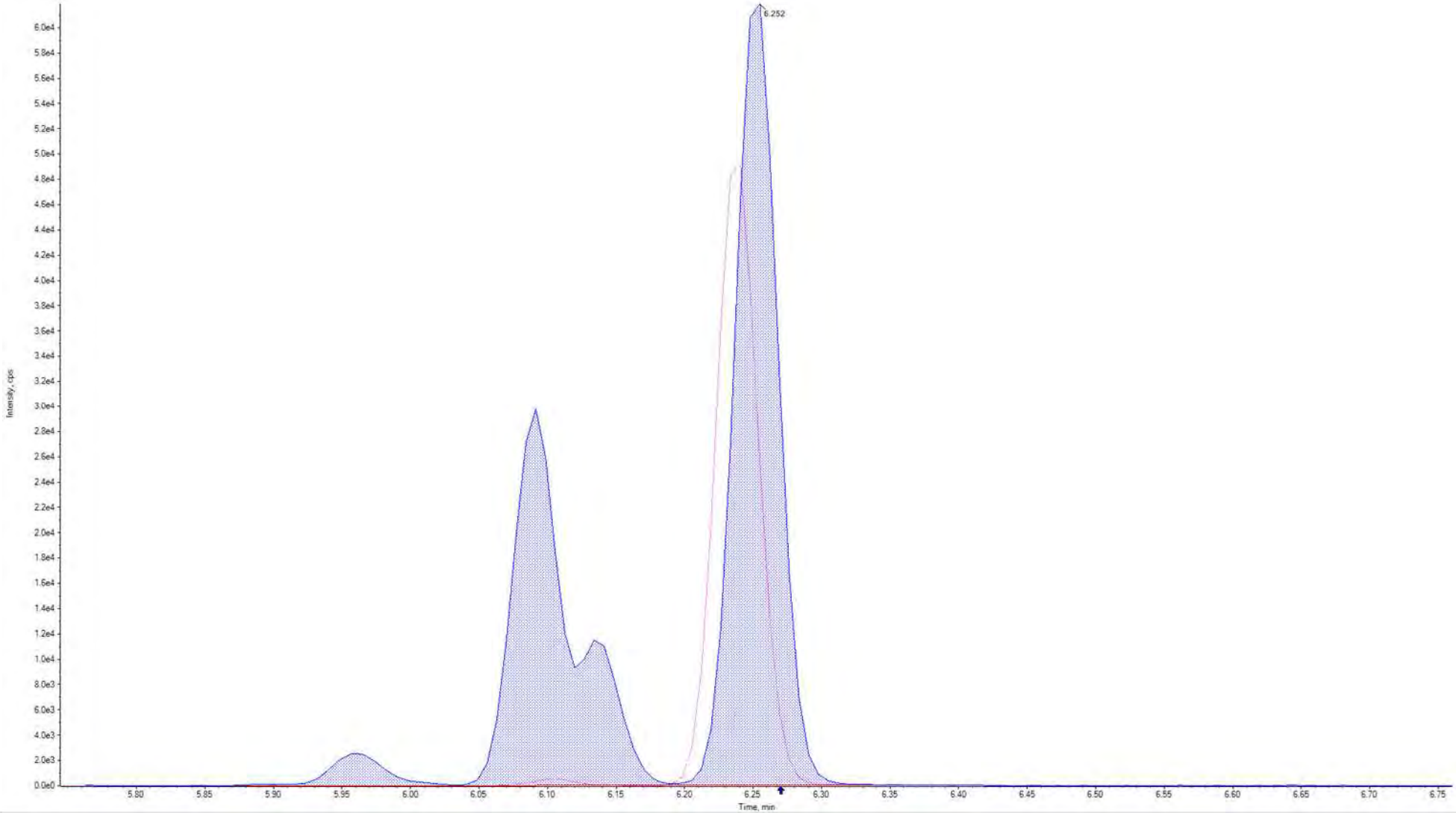
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

NMeFOSA_2
Sample: WG2038851-5,1633FMED S/N:283.5 Points Across peak:53



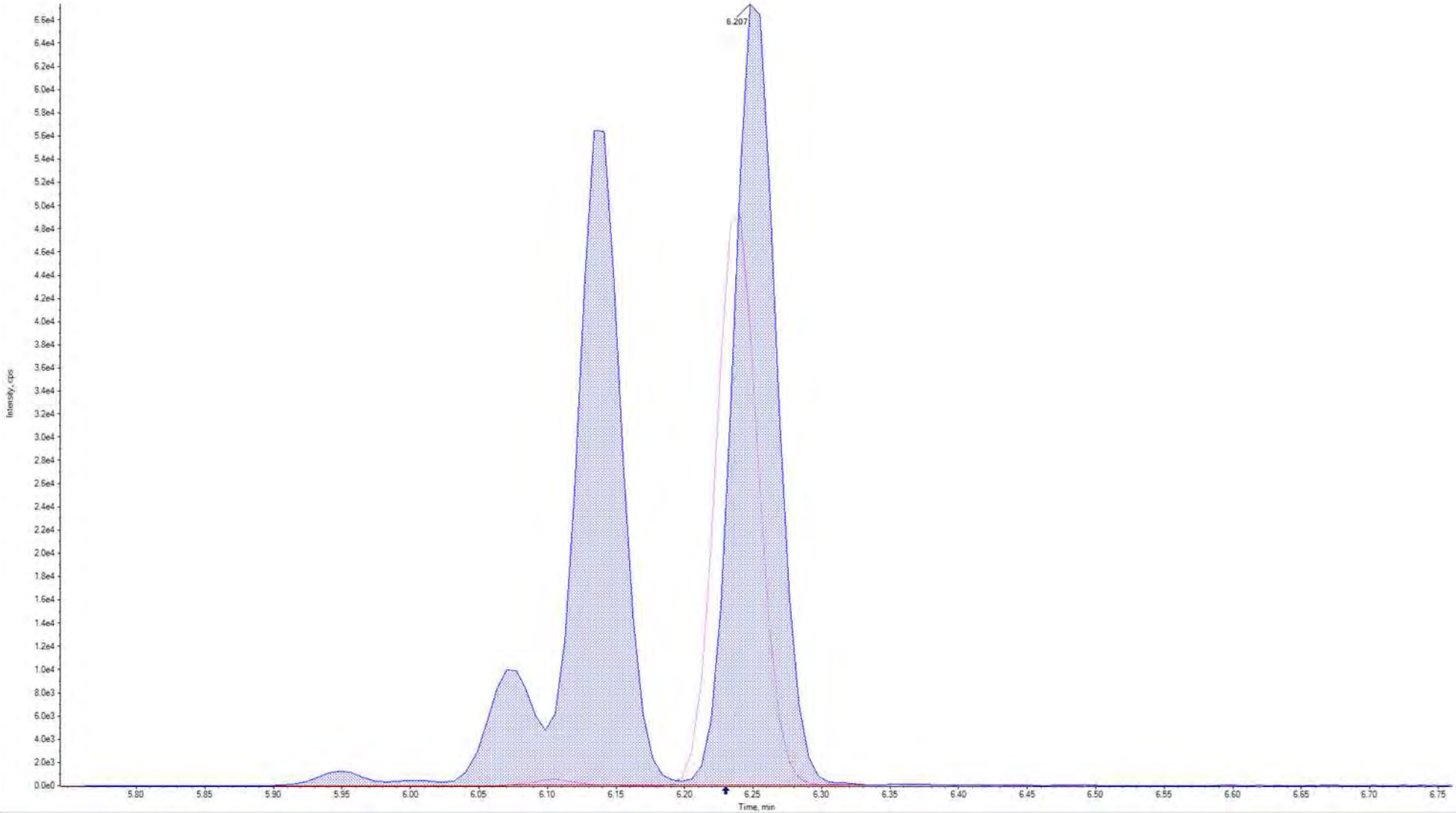
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

NEtFOSA
Sample: WG2038851-5,1633FMED S/N:728.1 Points Across peak:66



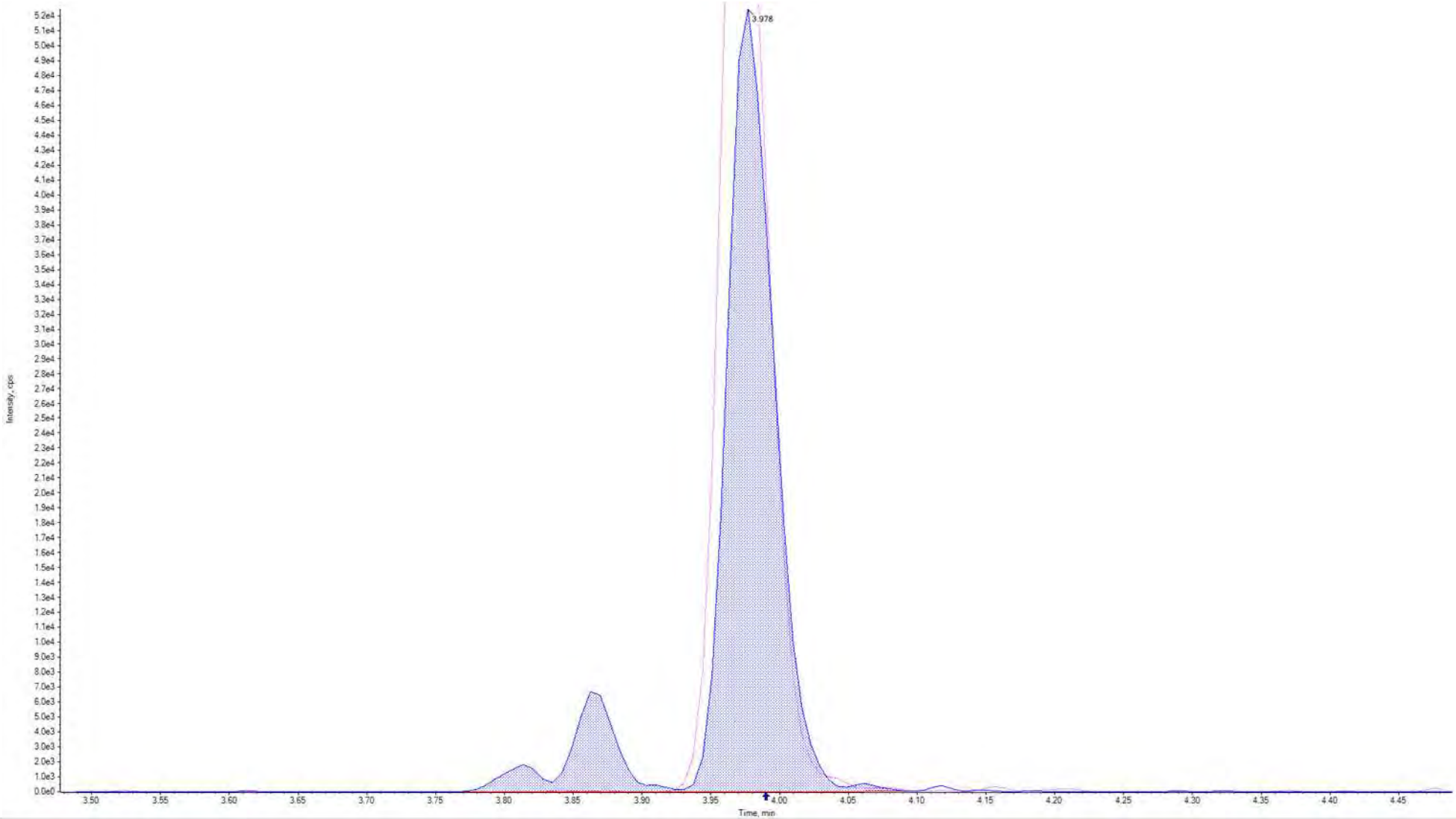
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

NEtFOSA_2
Sample: WG2038851-5,1633FMED S/N:669.0 Points Across peak:62



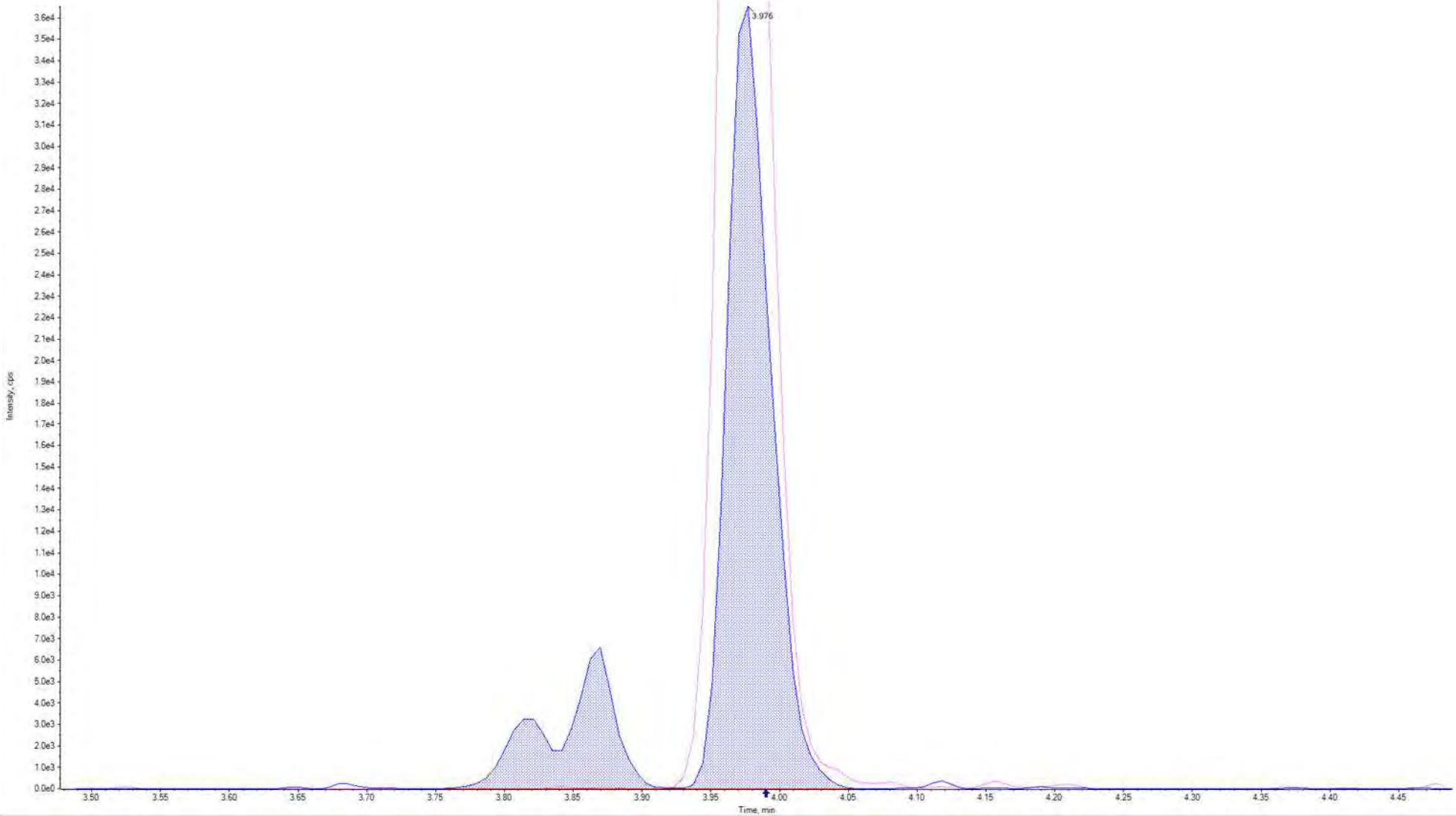
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

NMeFOSAA
Sample: WG2038851-5,1633FMED S/N:530.7 Points Across peak:52



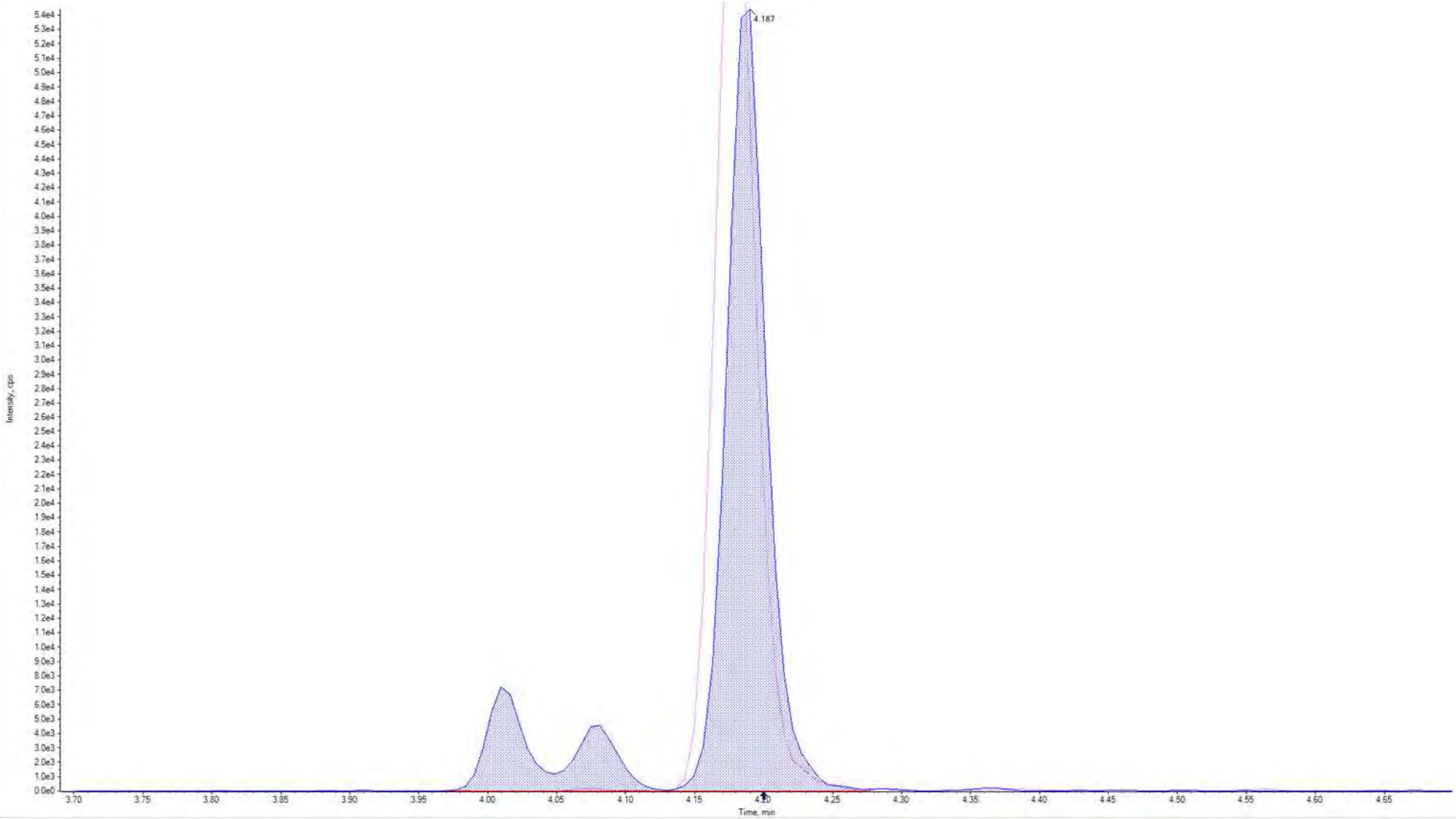
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

NMeFOSAA_2
Sample: WG2038851-5,1633FMED S/N:572.6 Points Across peak:48



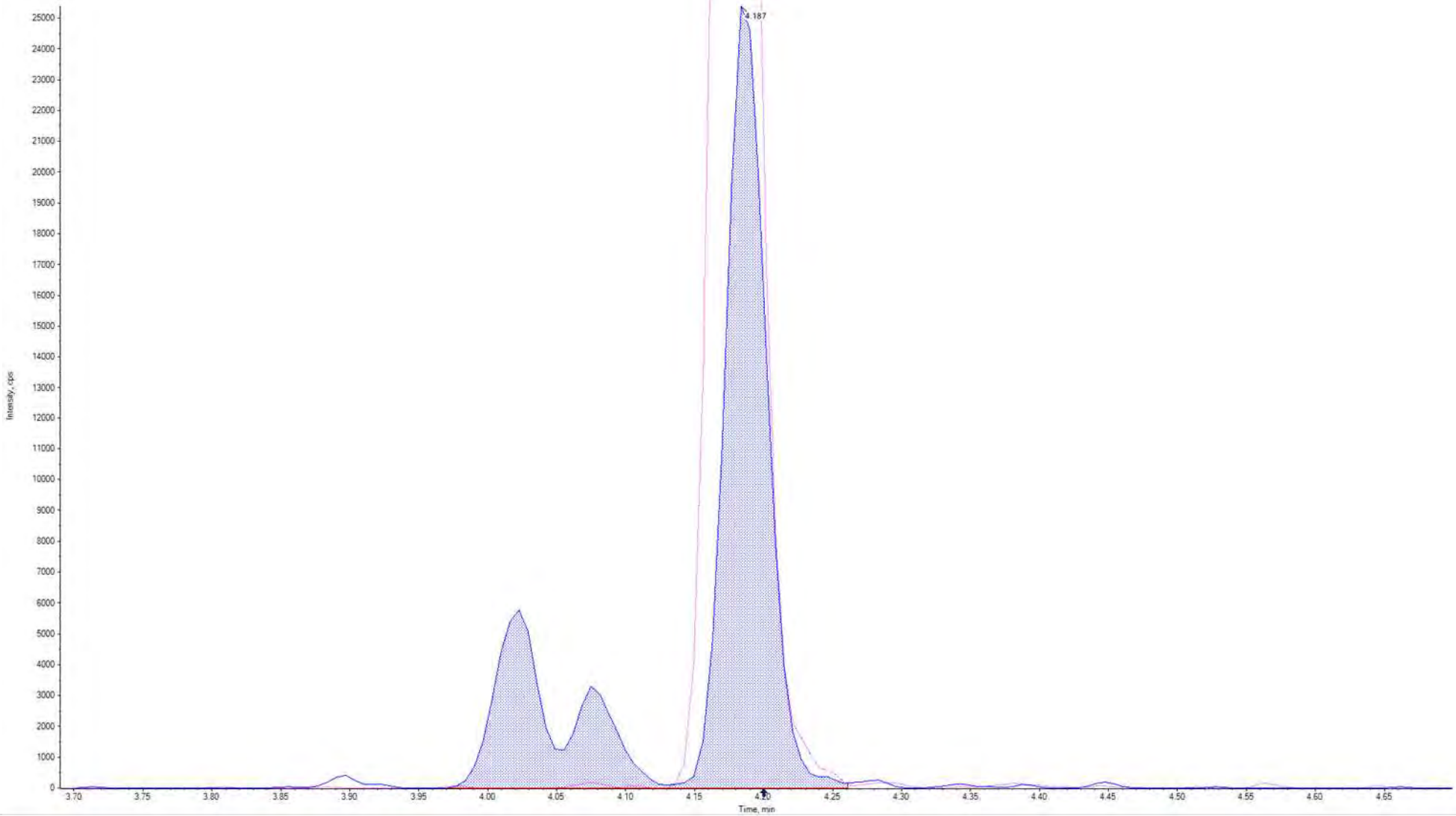
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

NEtFOSAA
Sample: WG2038851-5,1633FMED S/N:581.7 Points Across peak:50



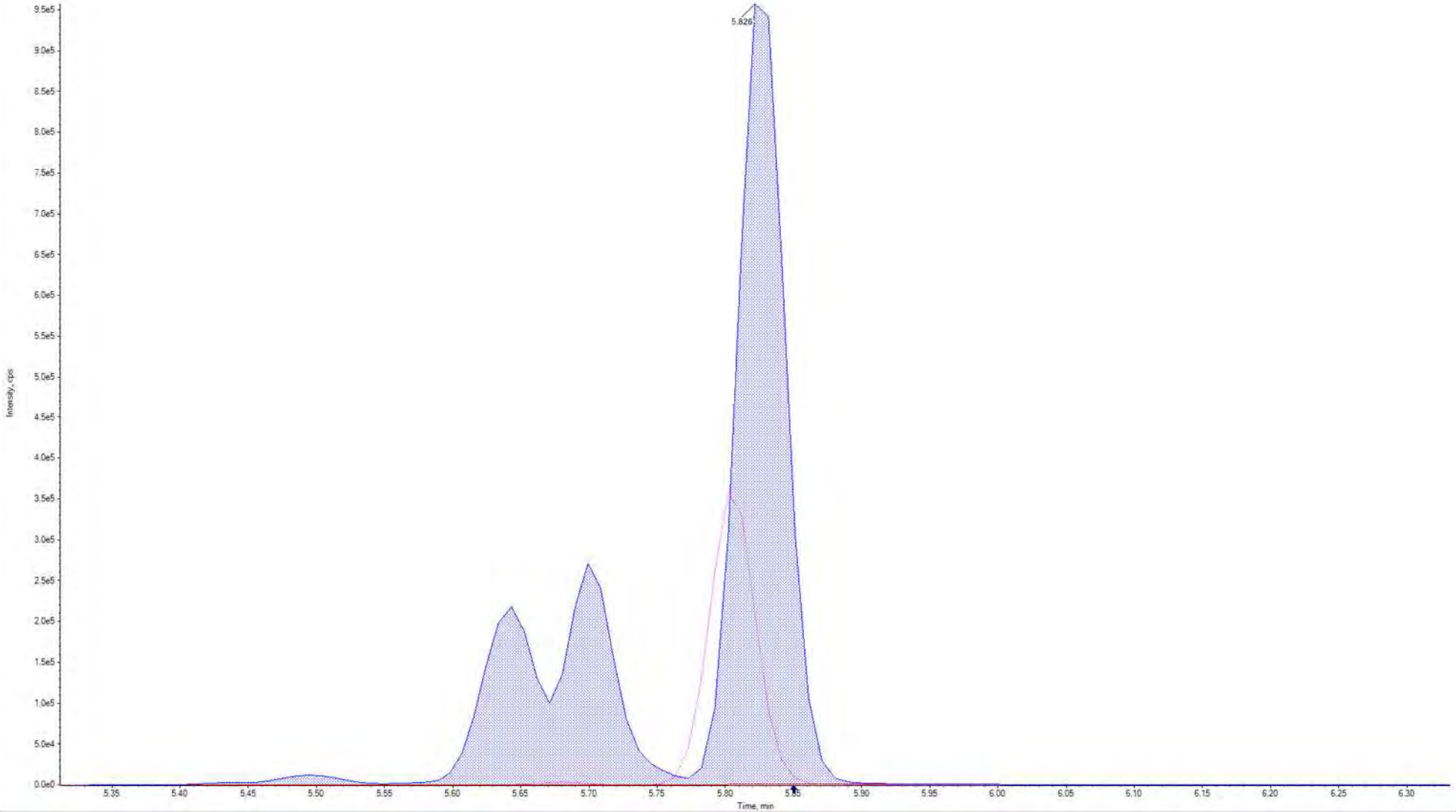
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

NEtFOSAA_2
Sample: WG2038851-5,1633FMED S/N:309.7 Points Across peak:48



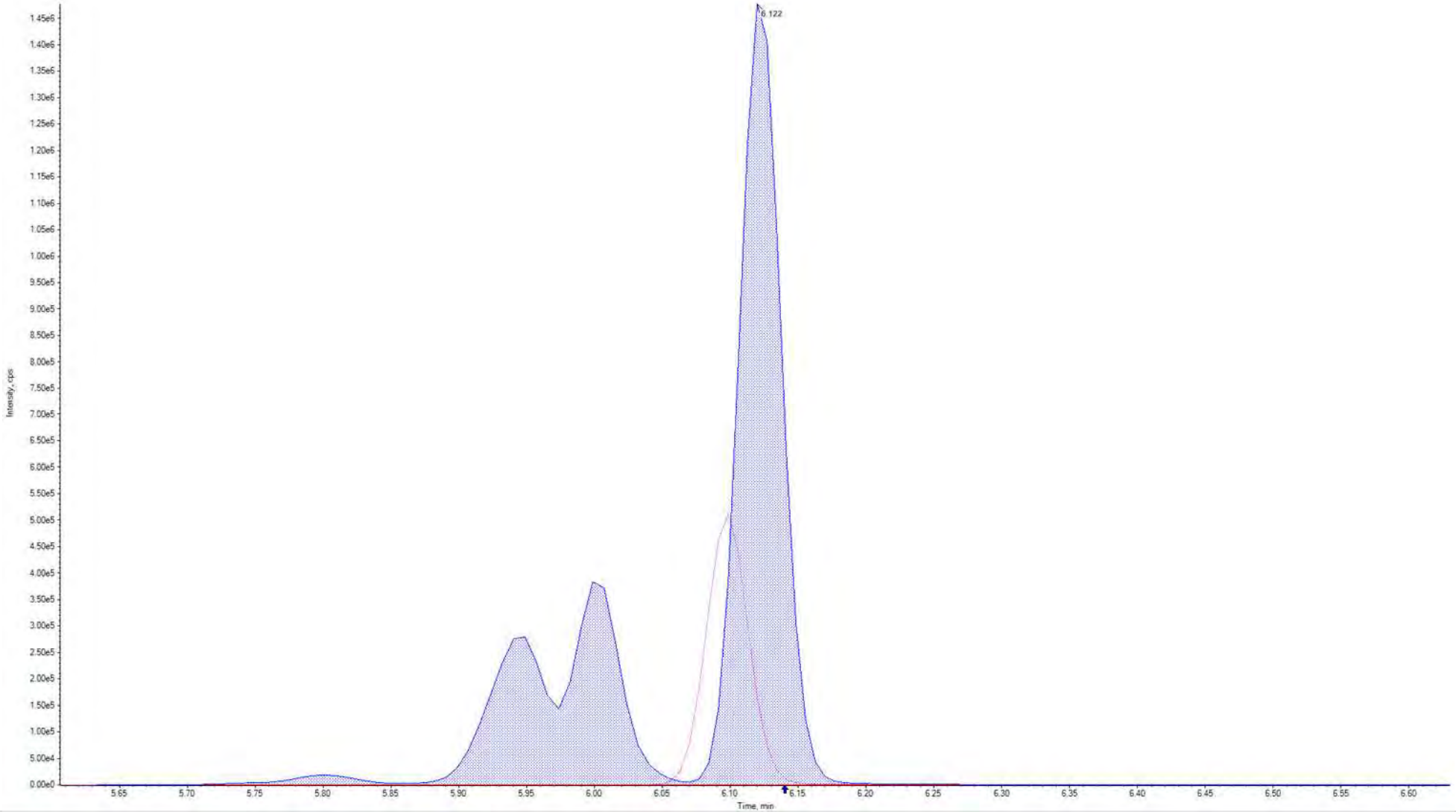
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

NMeFOSE
Sample: WG2038851-5,1633FMED S/N:225.8 Points Across peak:67



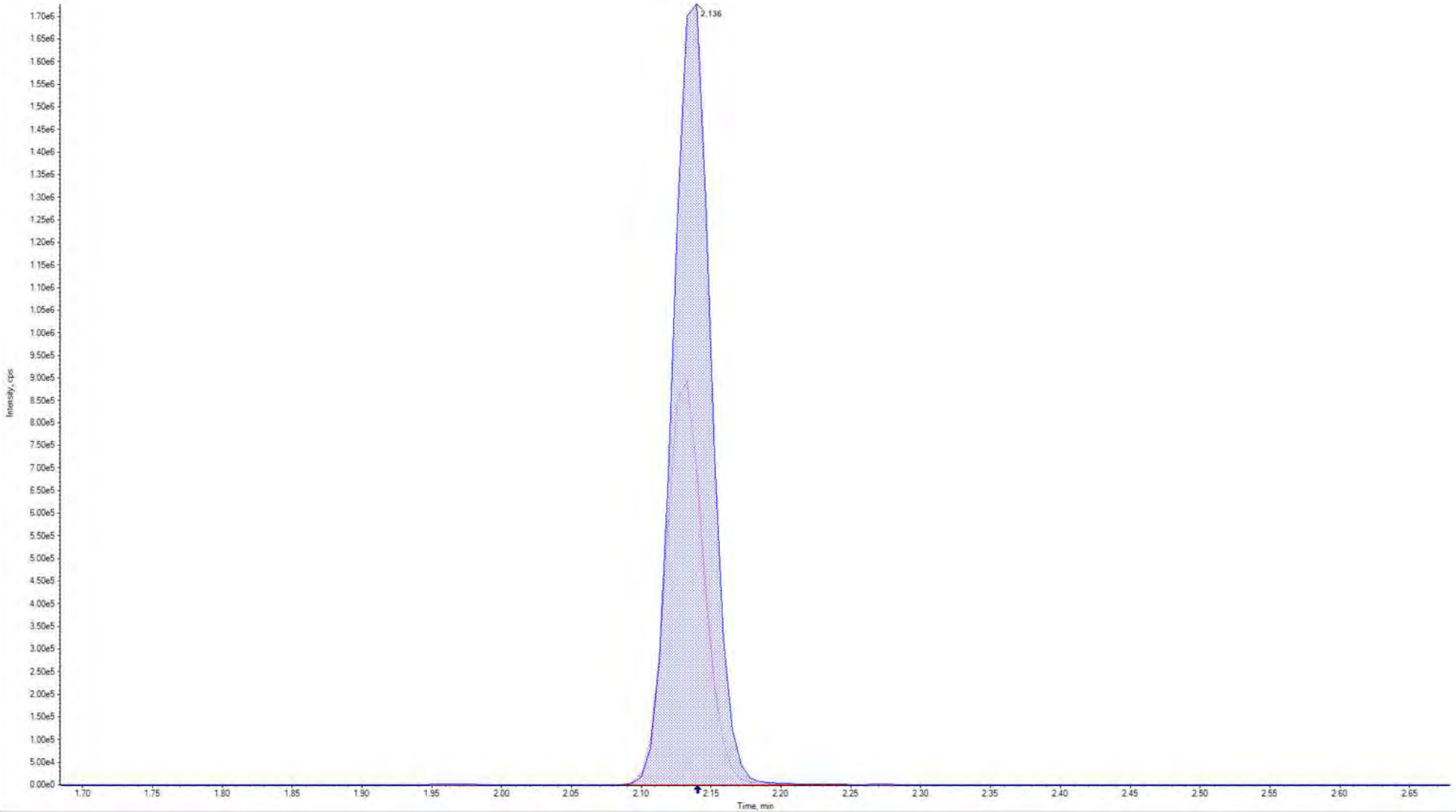
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

NEtFOSE
Sample: WG2038851-5,1633FMED S/N:455.8 Points Across peak:80

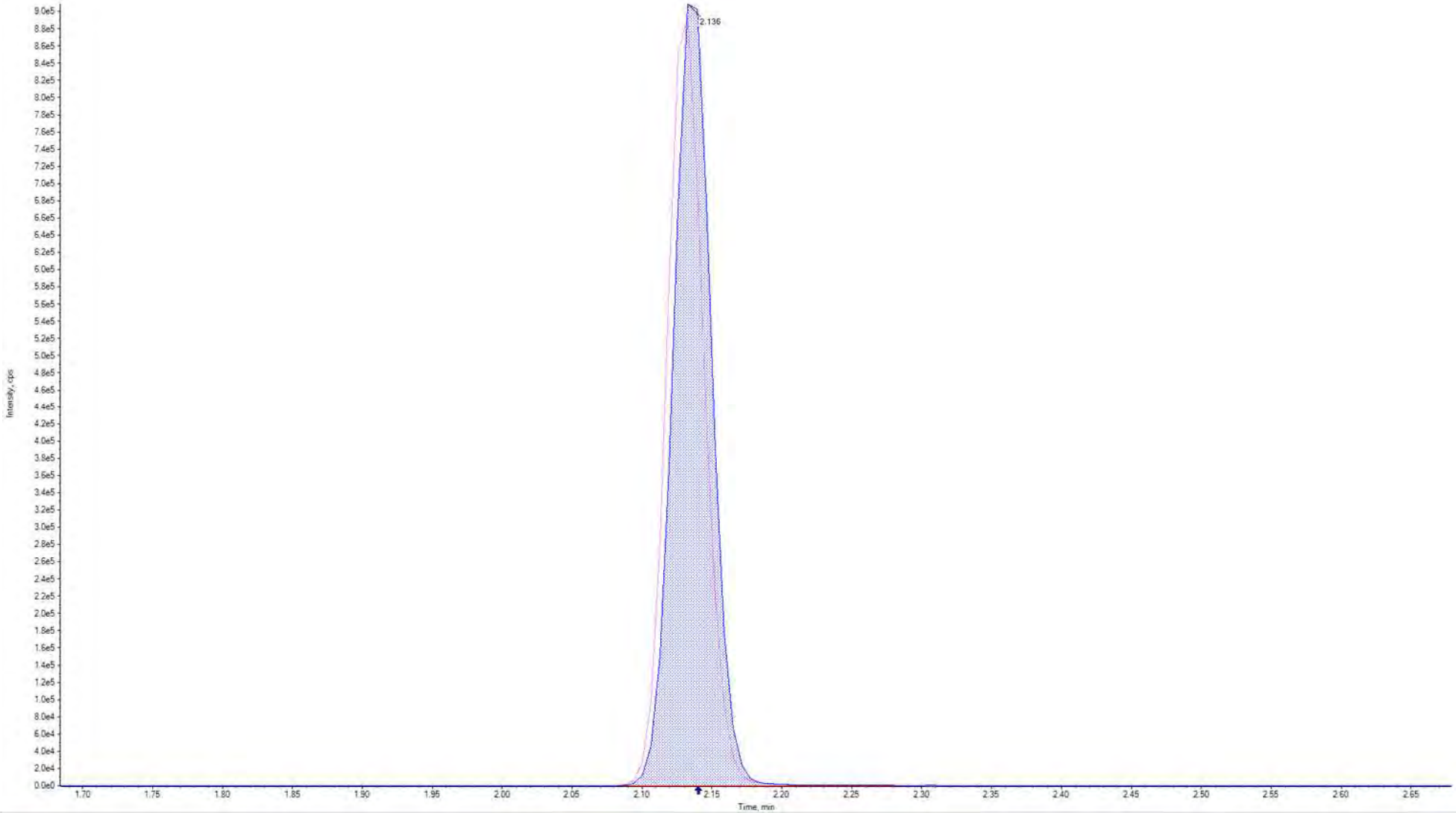


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

HFPO-DA
Sample: WG2038851-5,1633FMED S/N:38975.2 Points Across peak:28

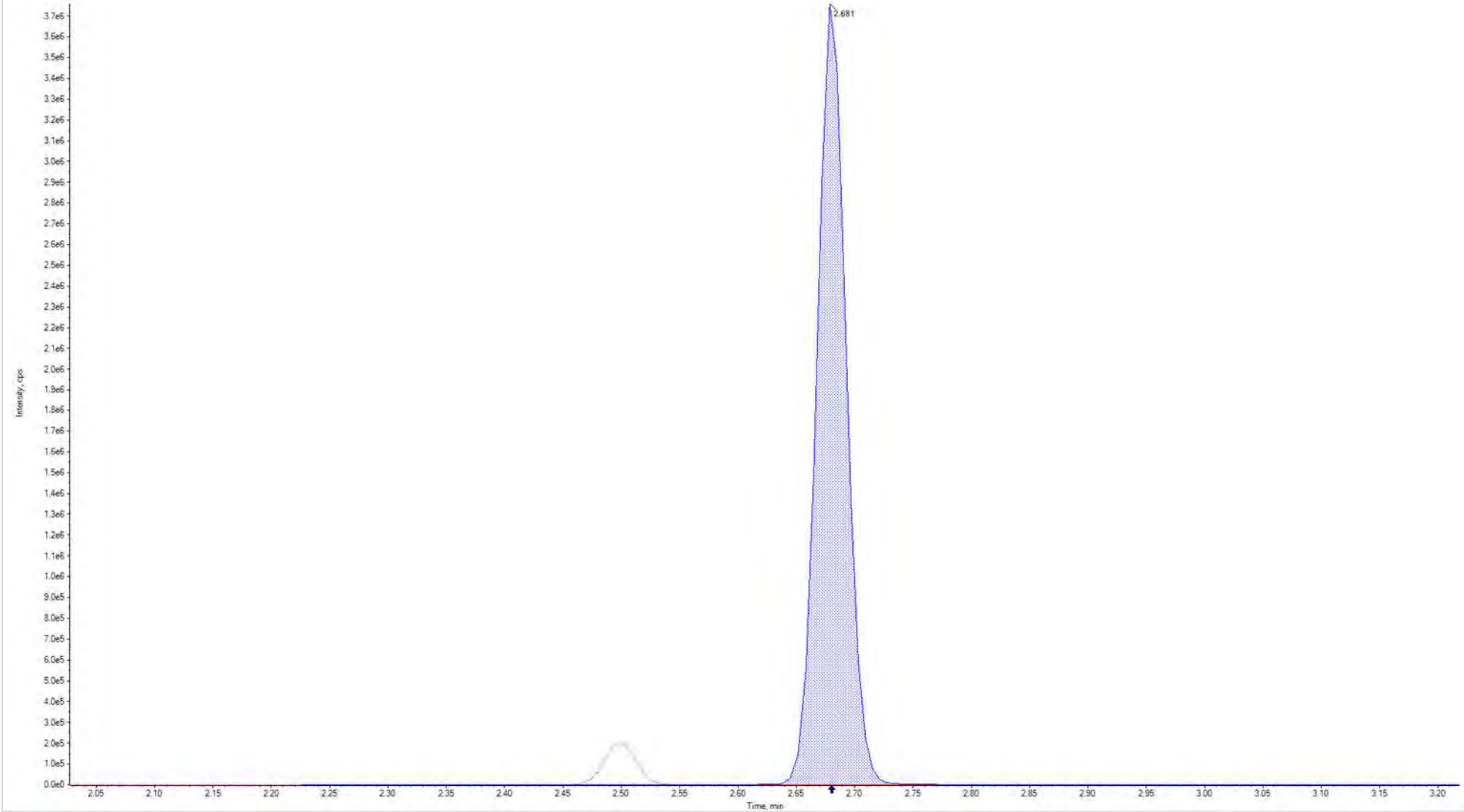


HFPO-DA_2
Sample: WG2038851-5,1633FMED S/N:20501.2 Points Across peak:35



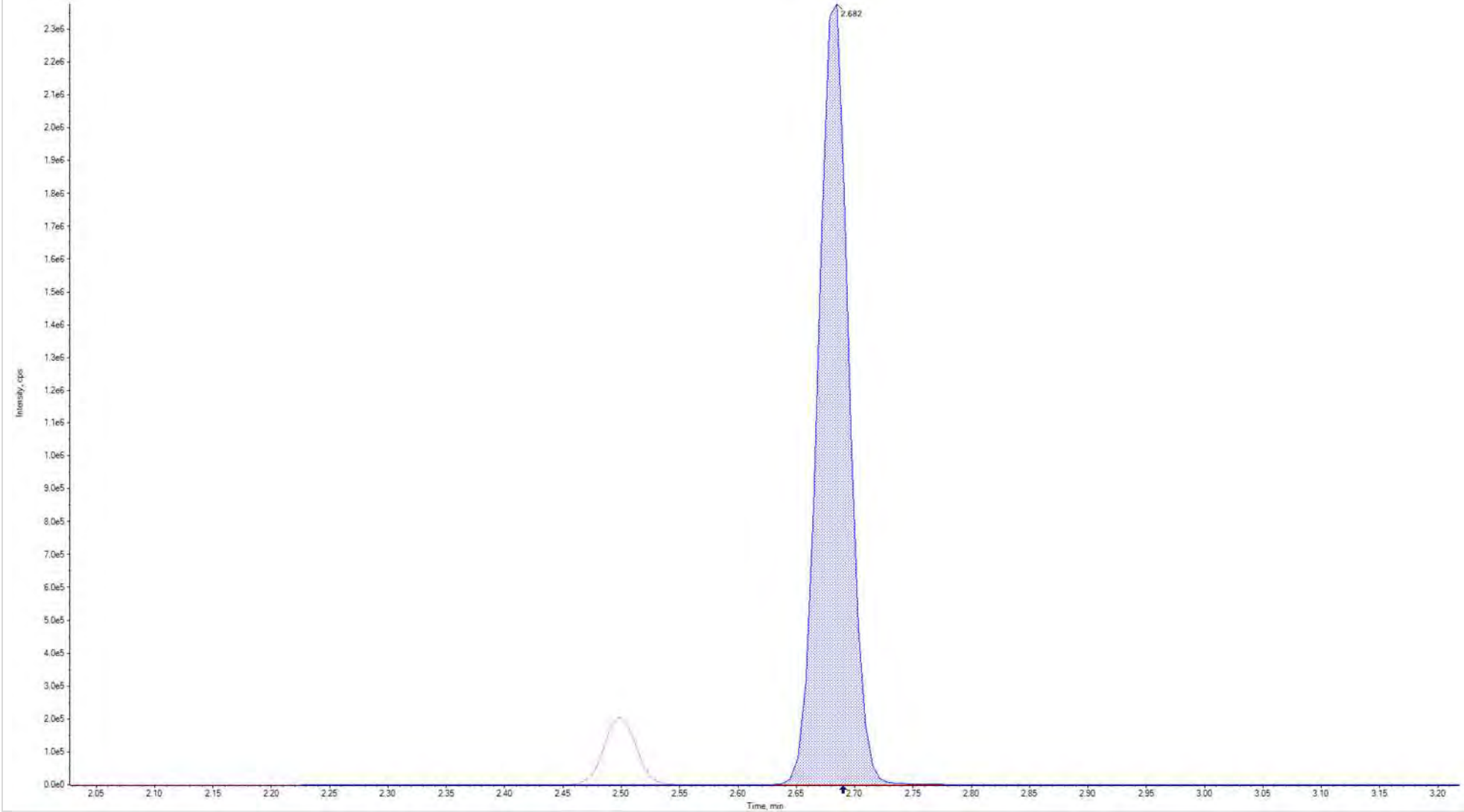
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

ADONA
Sample: WG2038851-5,1633FMED S/N:5469.6 Points Across peak:35



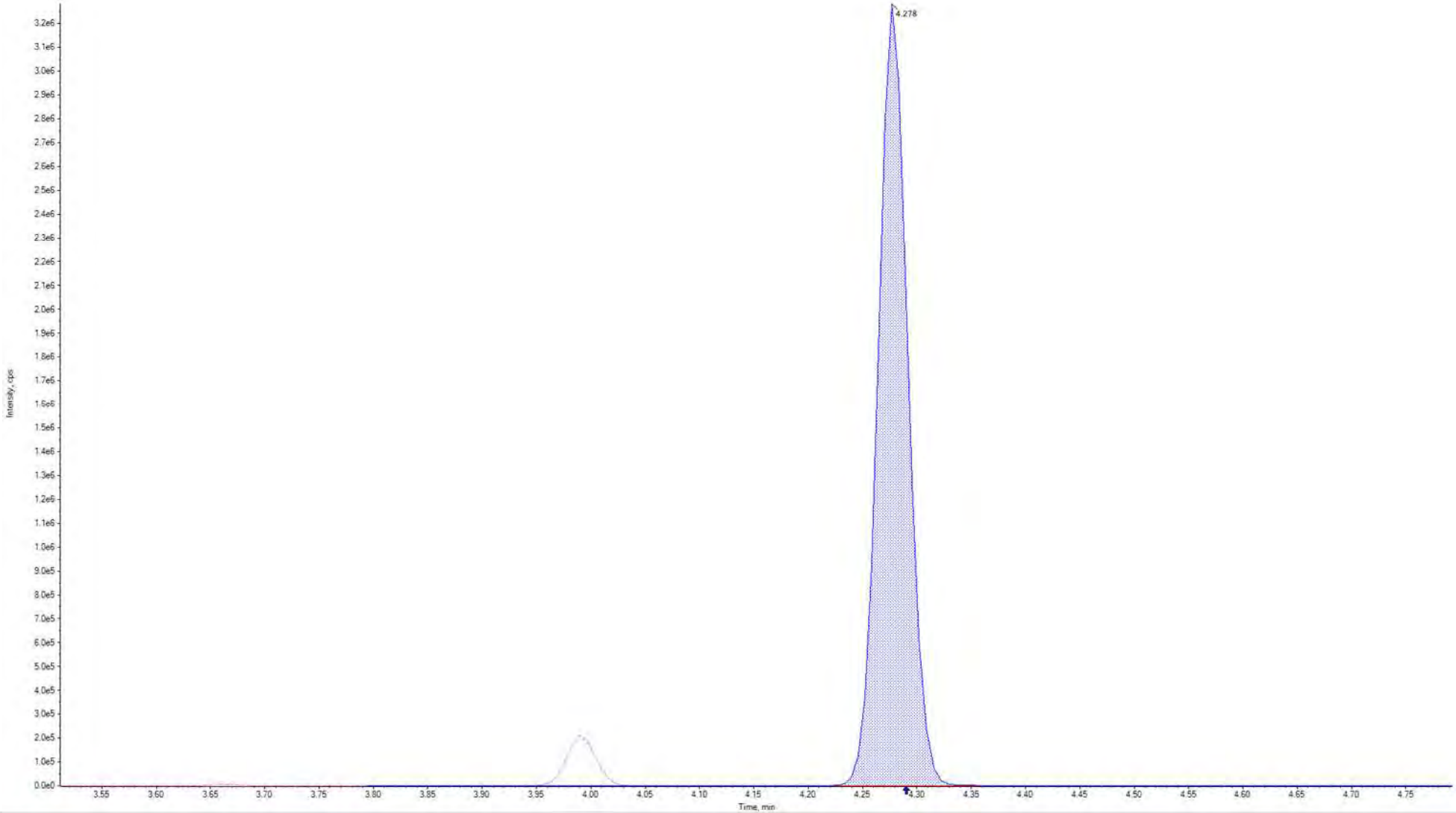
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

ADONA_2
Sample: WG2038851-5,1633FMED S/N:4826.3 Points Across peak:40



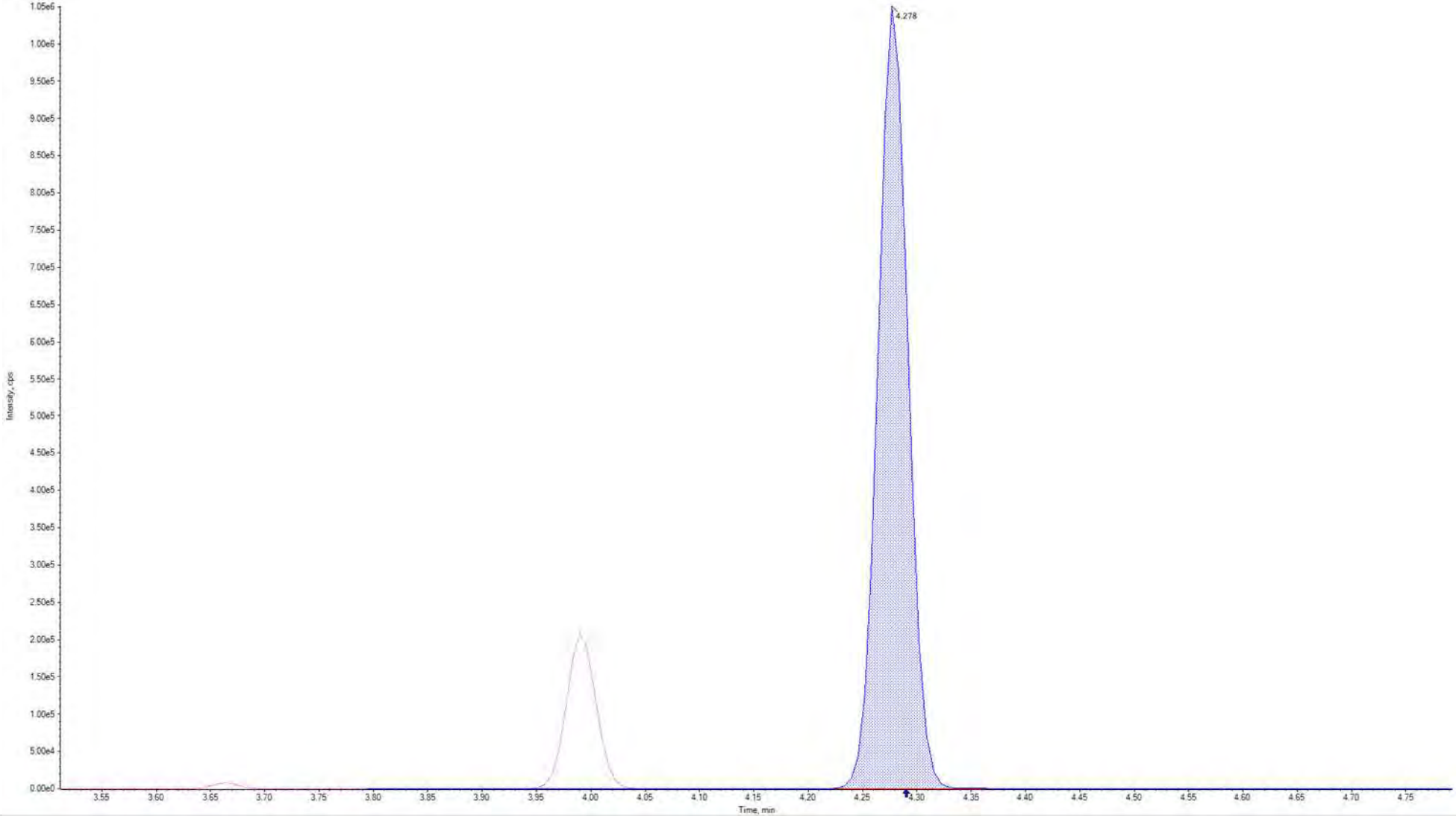
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

9Cl-PF3ONS
Sample: WG2038851-5,1633FMED S/N:9510.3 Points Across peak:31



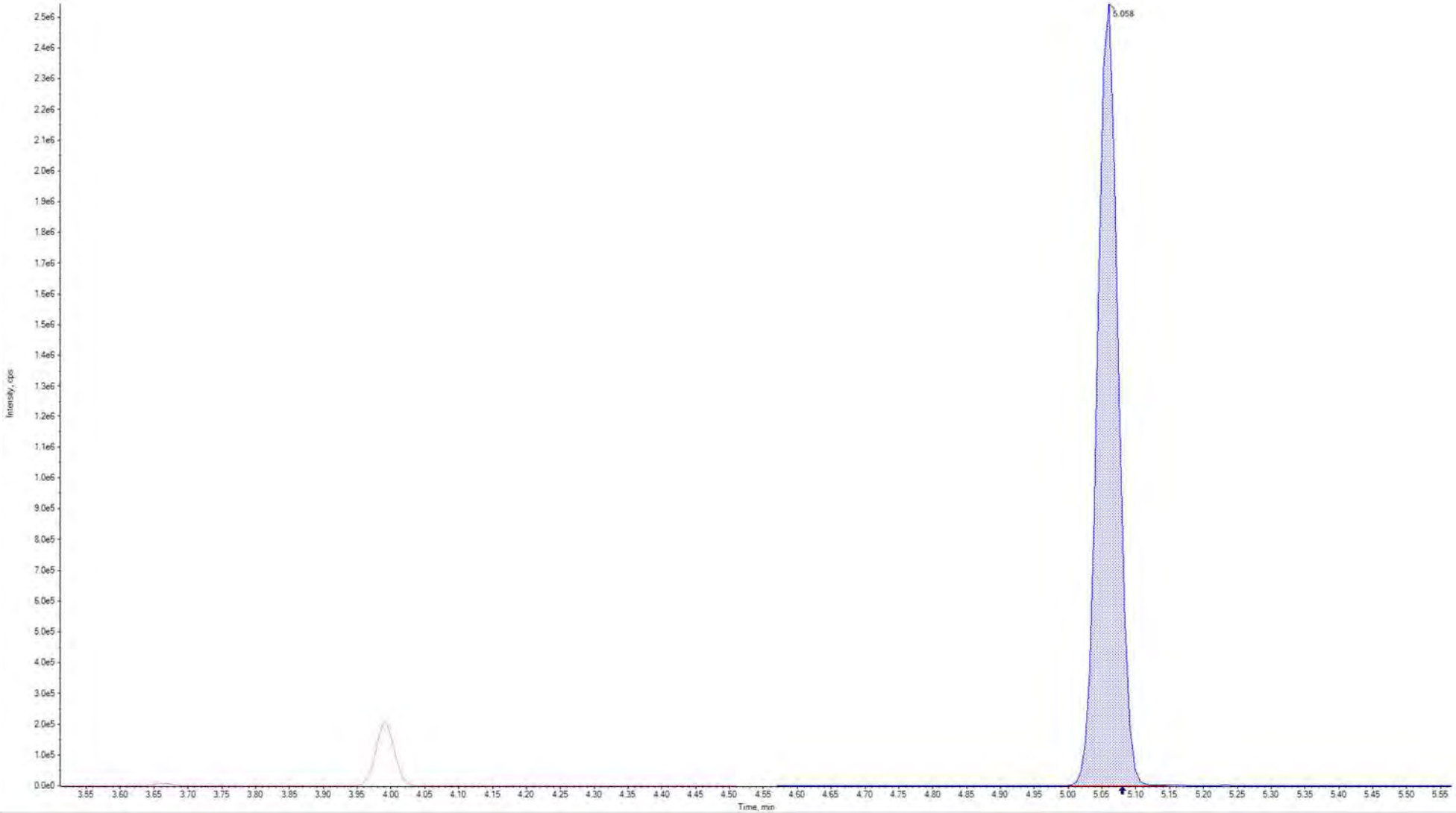
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

9Cl-PF3ONS_2
Sample: WG2038851-5,1633FMED S/N:7724.7 Points Across peak:33



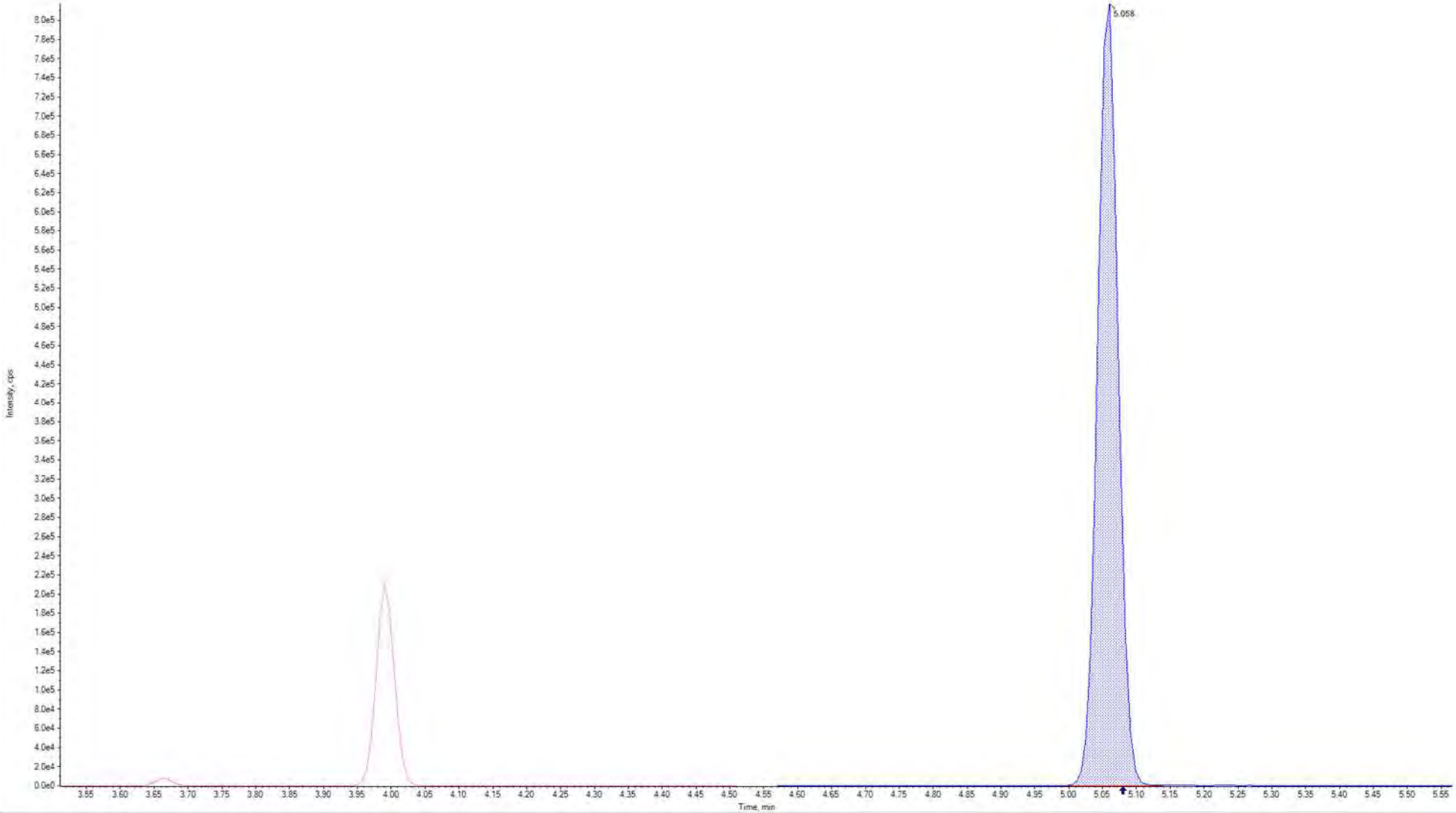
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

11Cl-PF3OUdS
Sample: WG2038851-5,1633FMED S/N:7598.4 Points Across peak:26



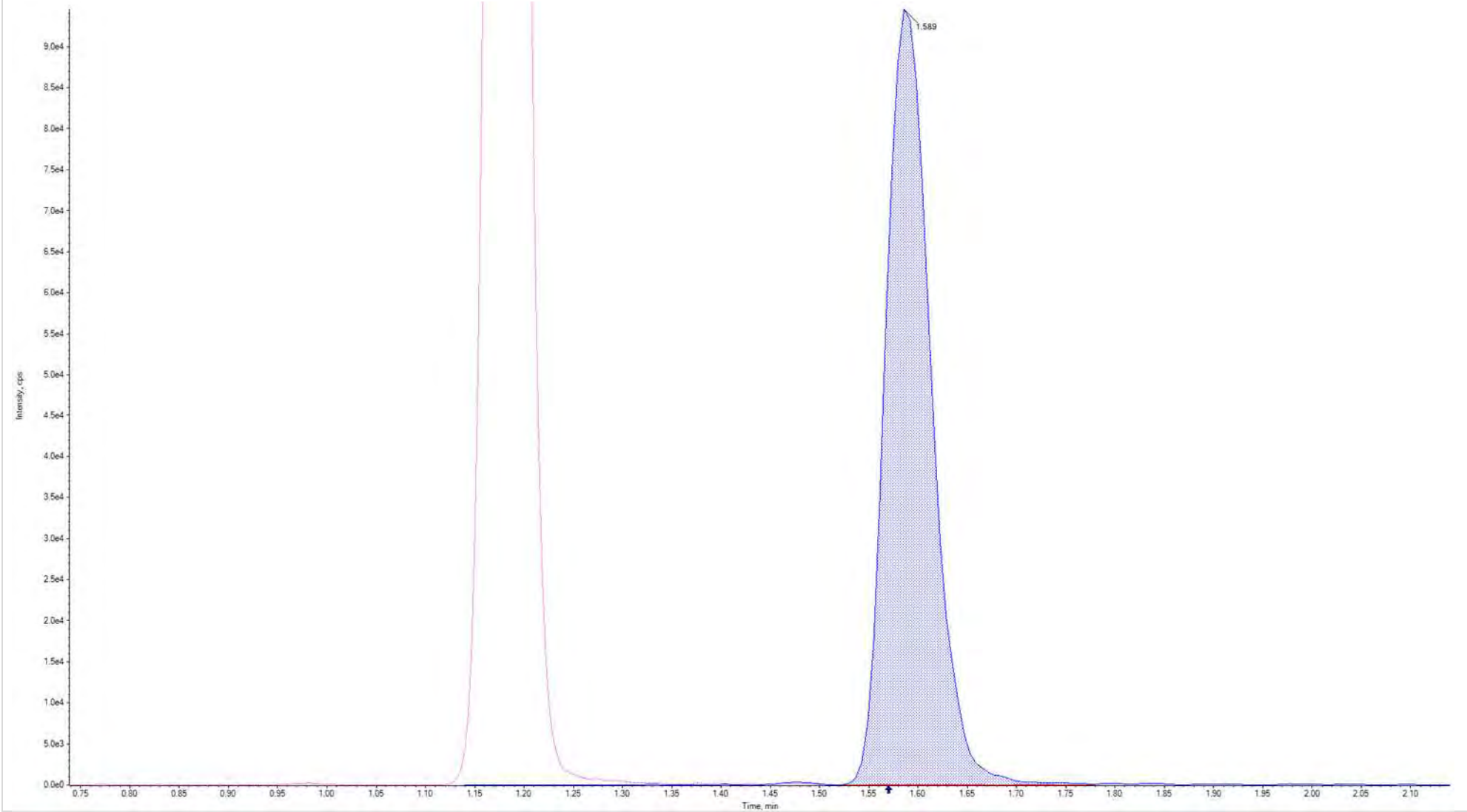
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

11Cl-PF3OUdS_2
Sample: WG2038851-5,1633FMED S/N:38919.4 Points Across peak:24



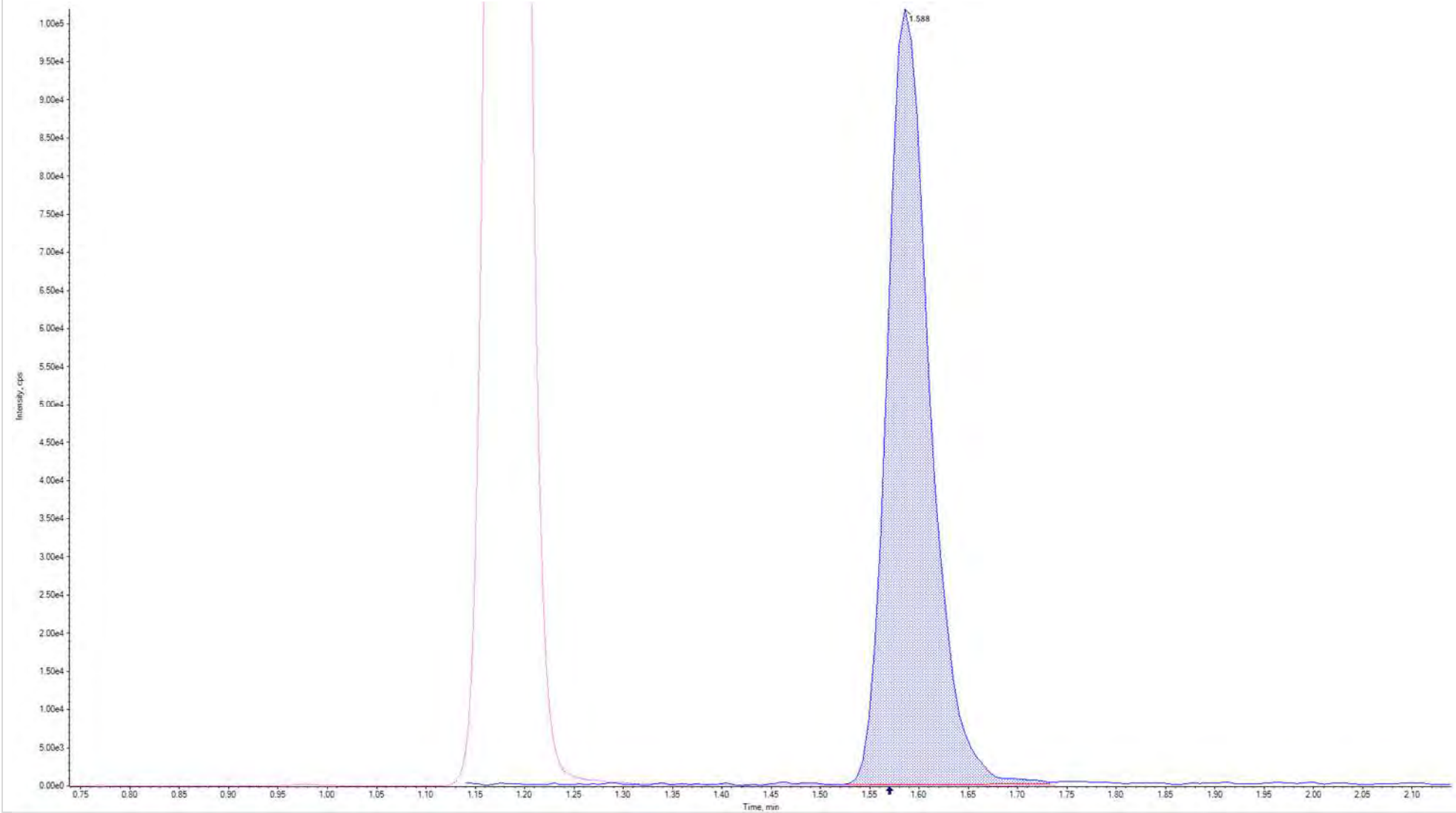
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

3:3FTCA
Sample: WG2038851-5,1633FMED S/N:2370.4 Points Across peak:44



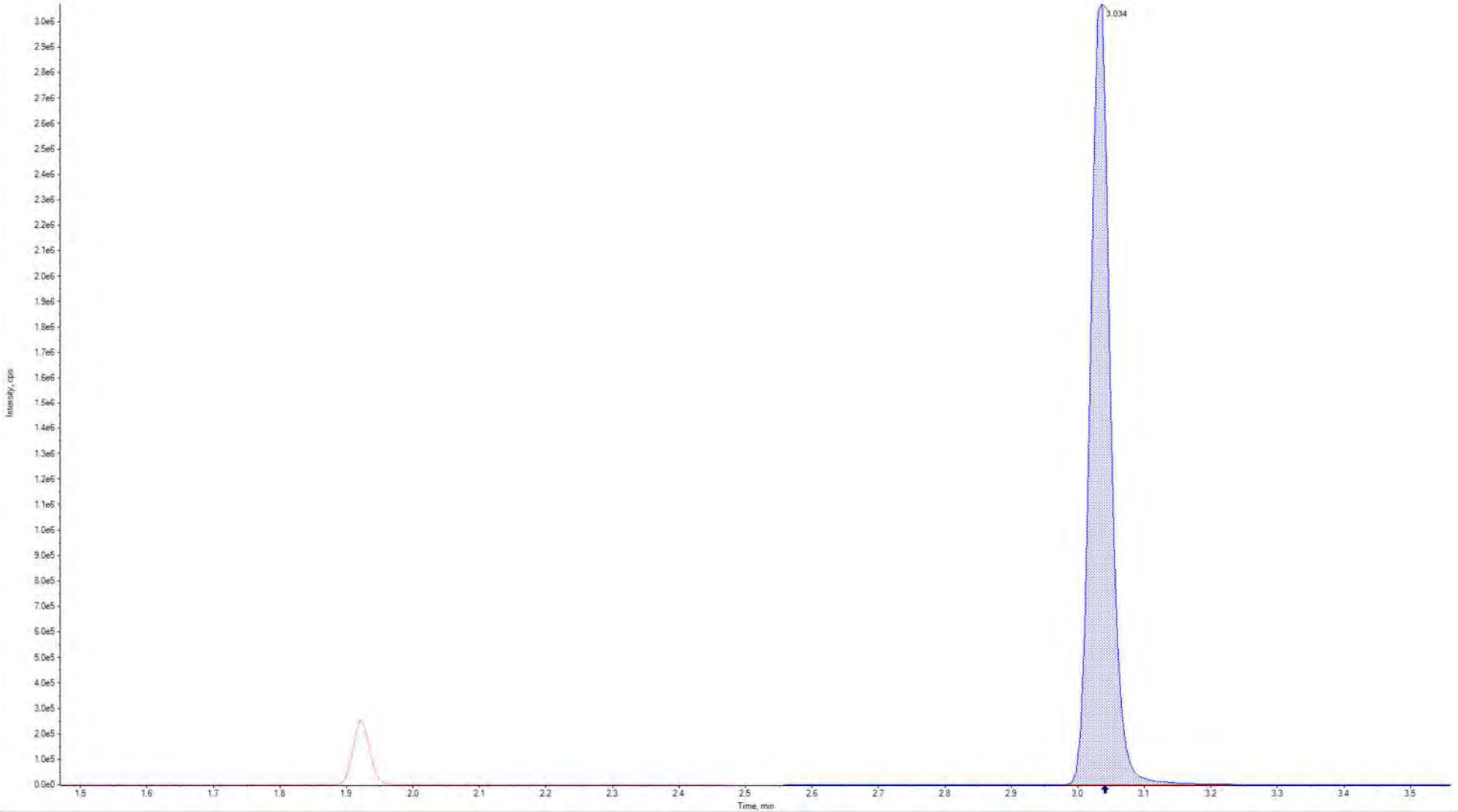
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

3:3FTCA_2
Sample: WG2038851-5,1633FMED S/N:2156.8 Points Across peak:36



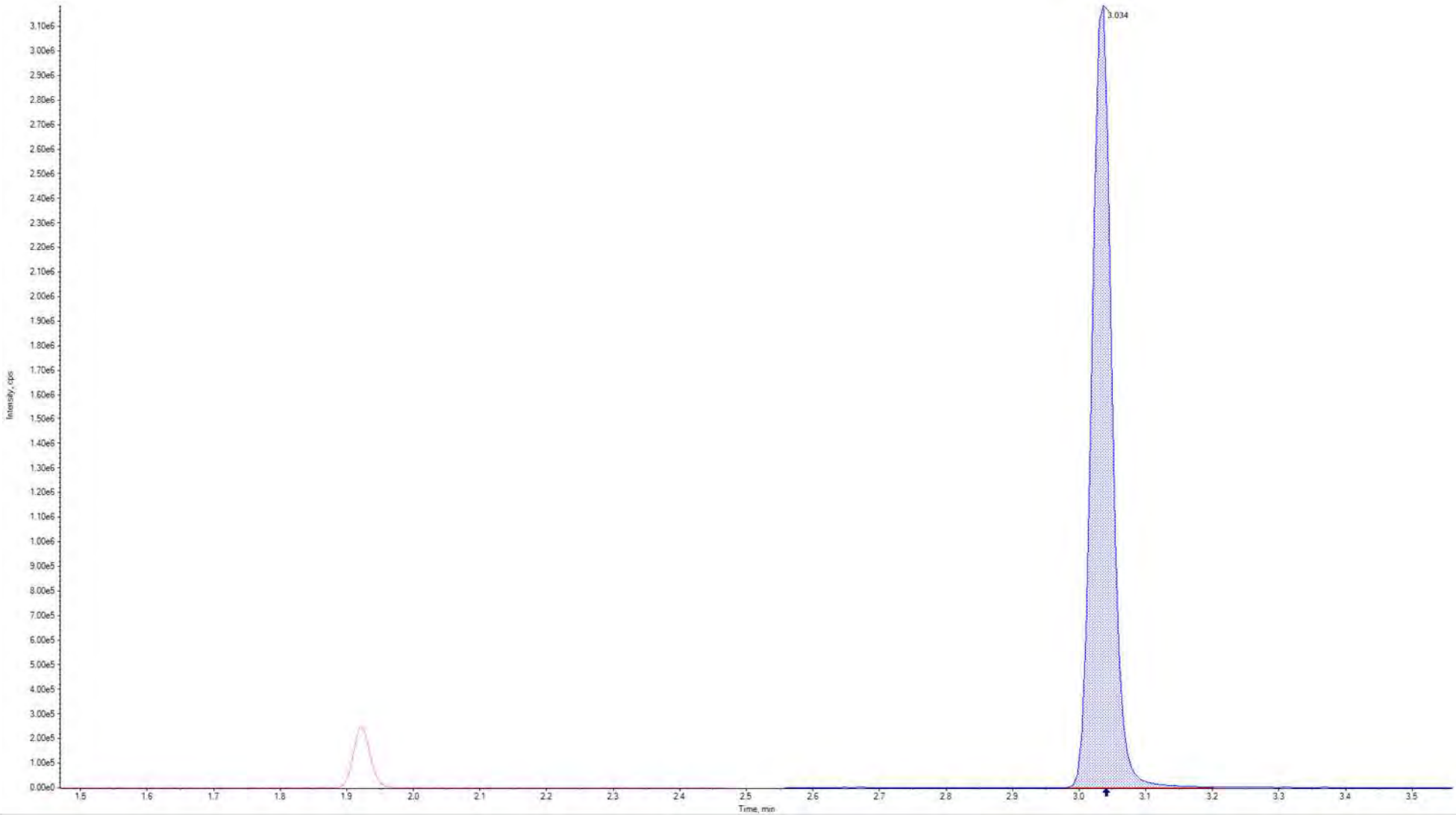
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

5:3FTCA
Sample: WG2038851-5,1633FMED S/N:45543.3 Points Across peak:46



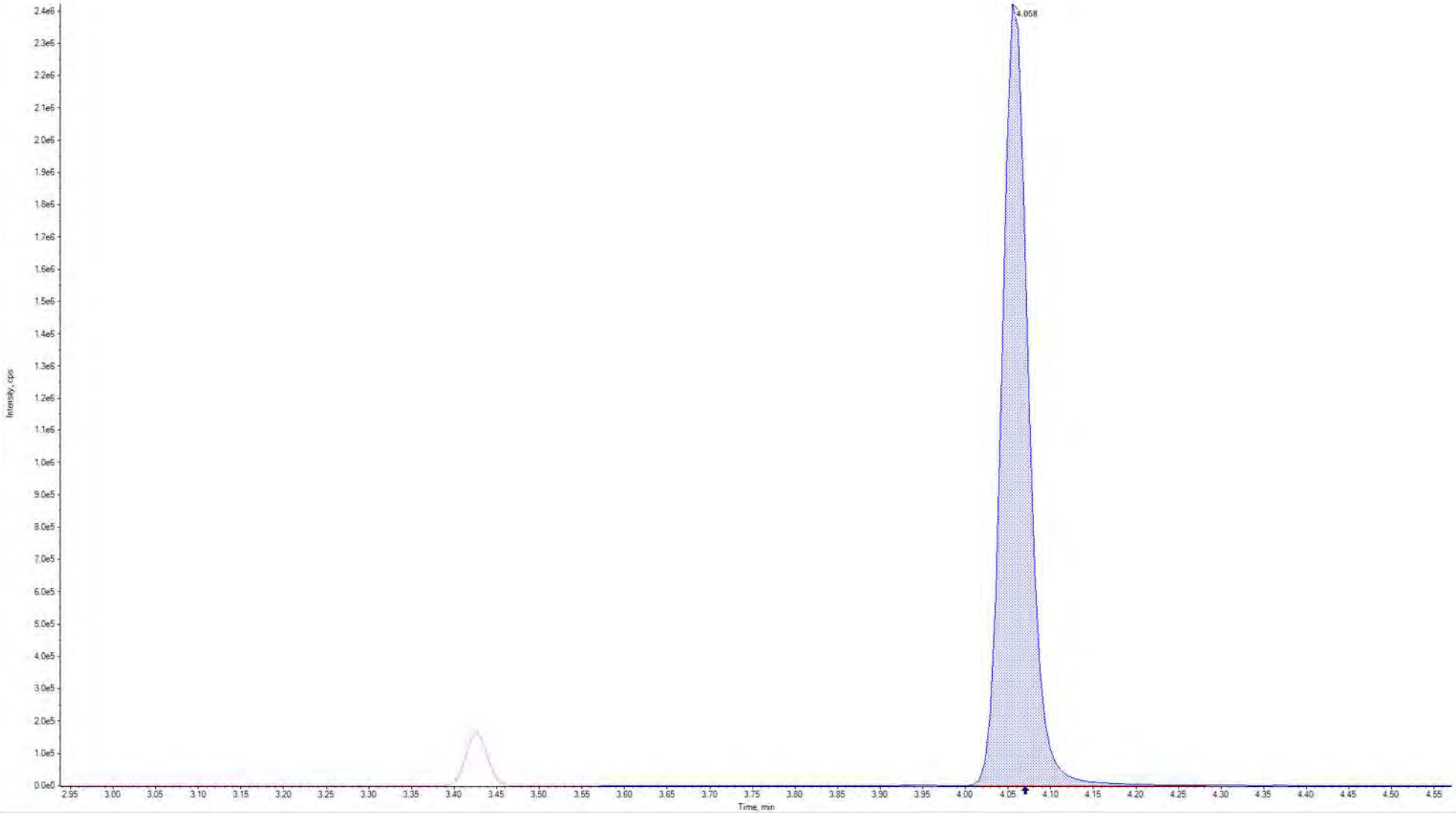
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

5:3FTCA_2
Sample: WG2038851-5,1633FMED S/N:11436.8 Points Across peak:39



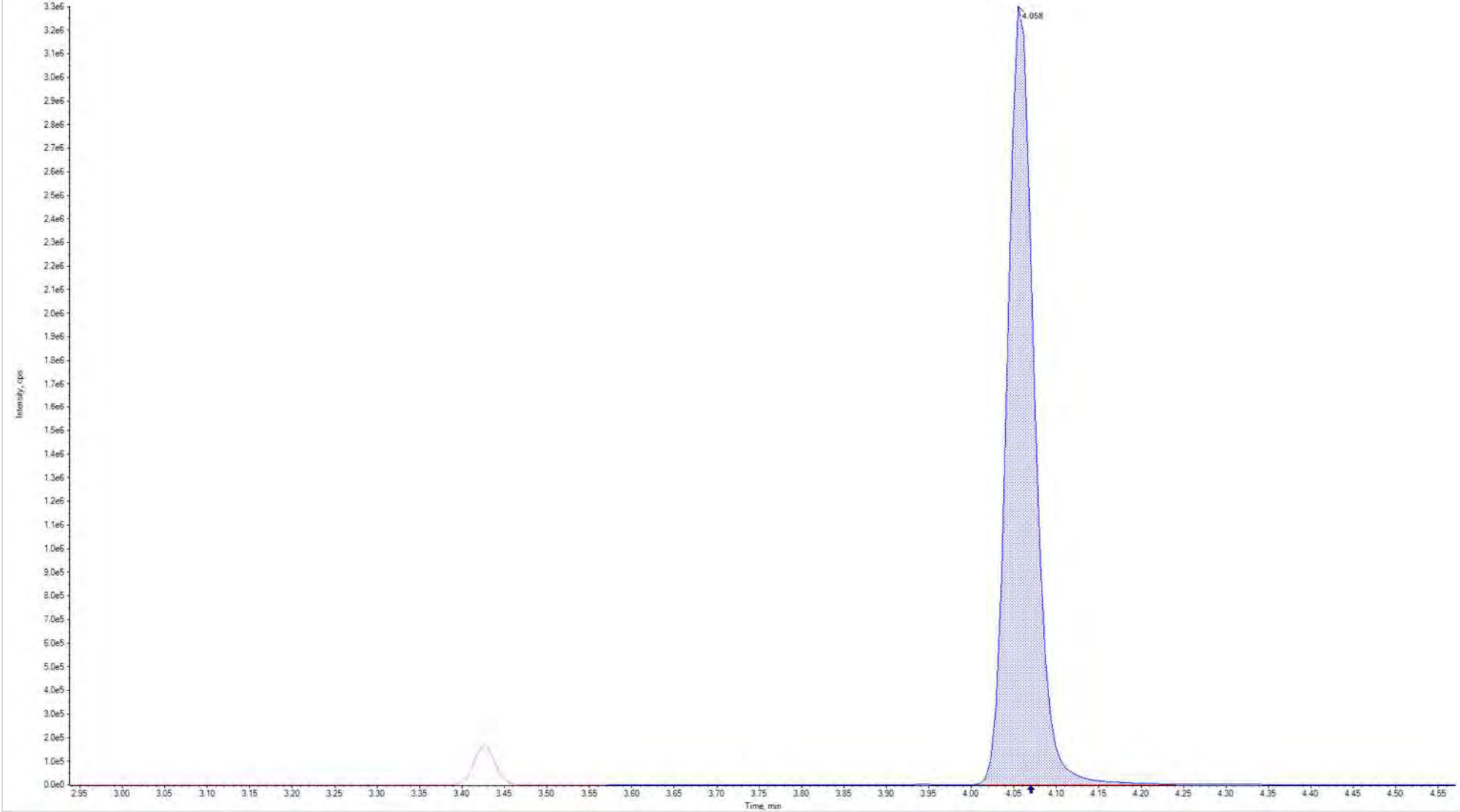
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

7:3FTCA
Sample: WG2038851-5,1633FMED S/N:3676.2 Points Across peak:48



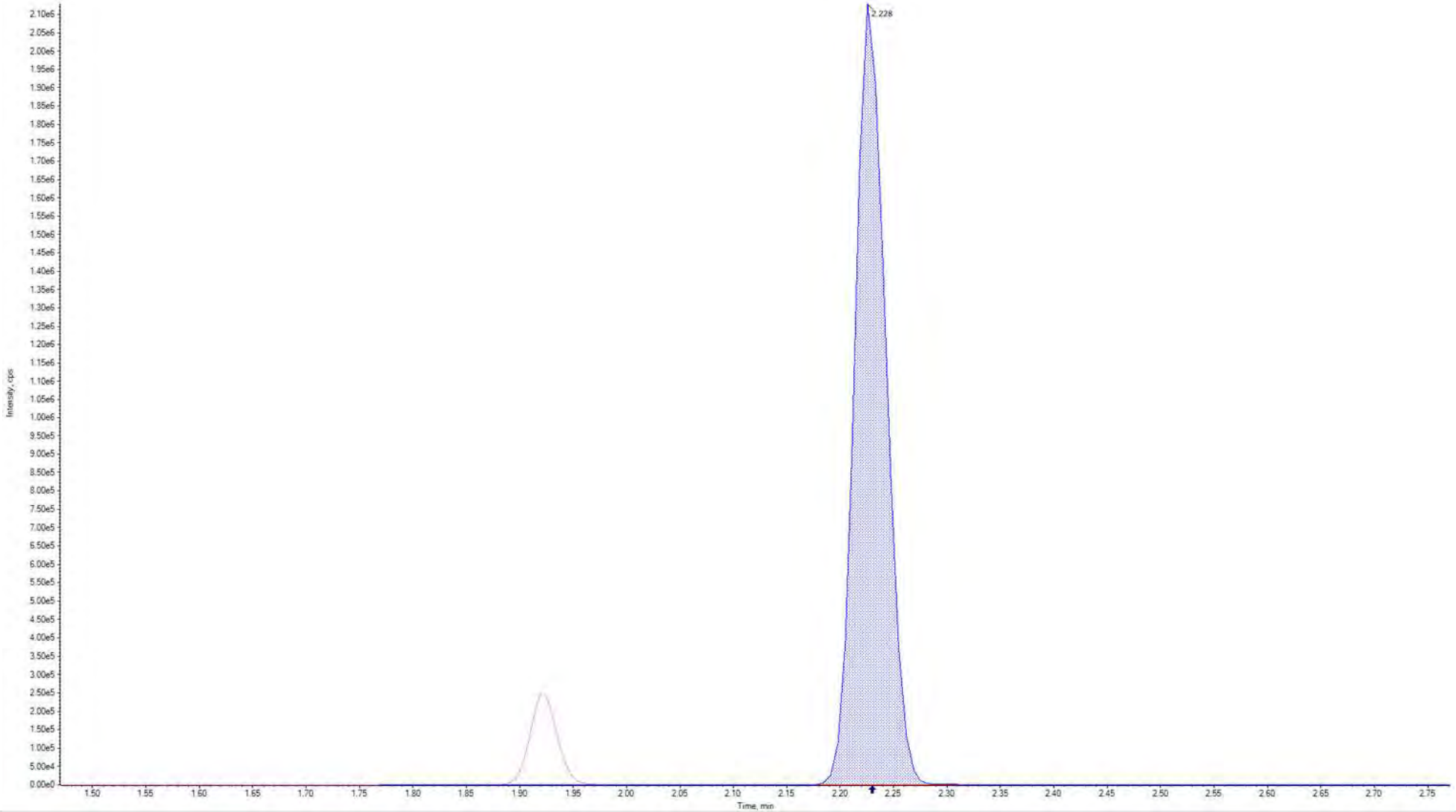
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

7:3FTCA_2
Sample: WG2038851-5,1633FMED S/N:91038.0 Points Across peak:41



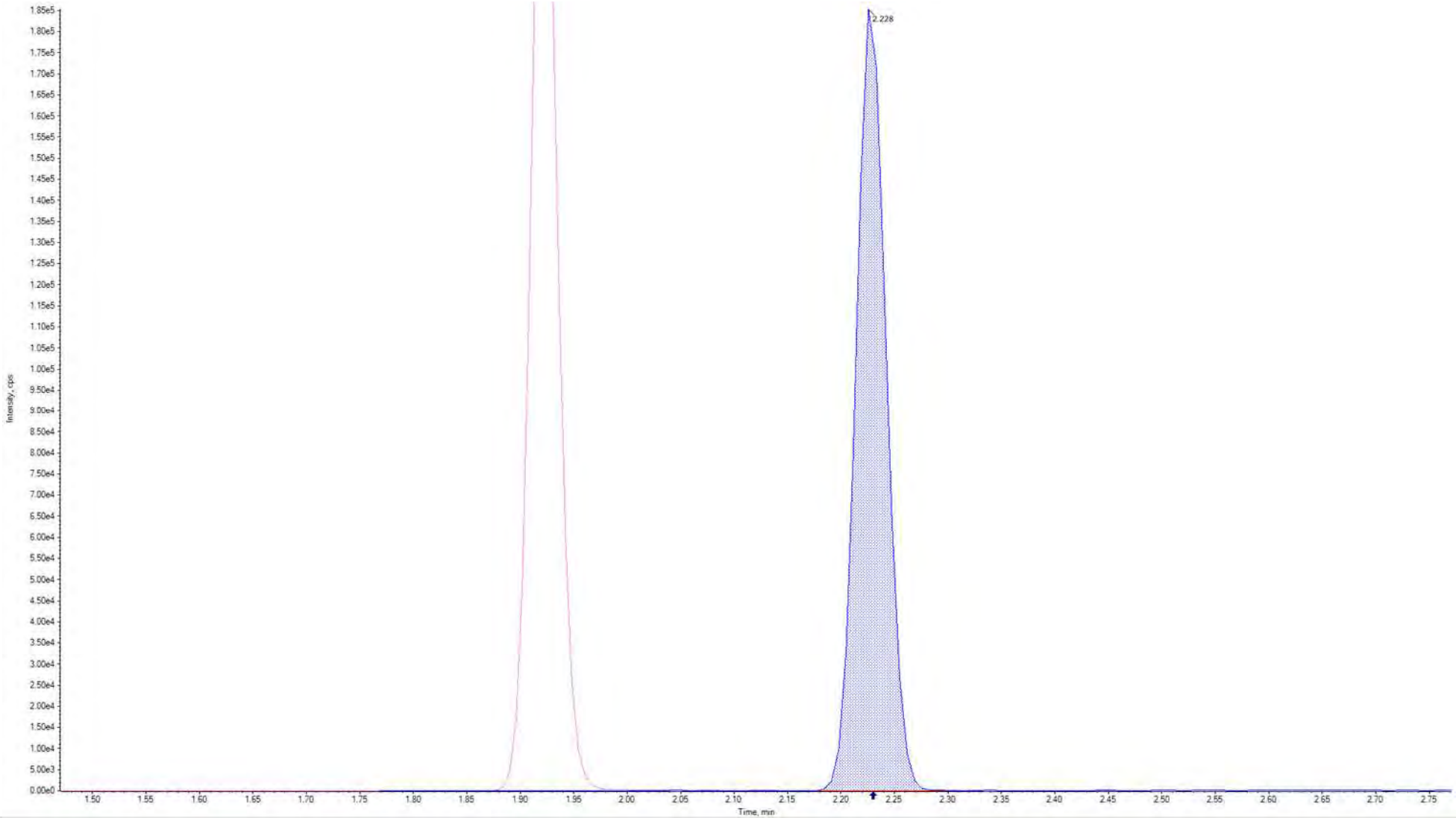
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

PFEESA
Sample: WG2038851-5,1633FMED S/N:9531.5 Points Across peak:34



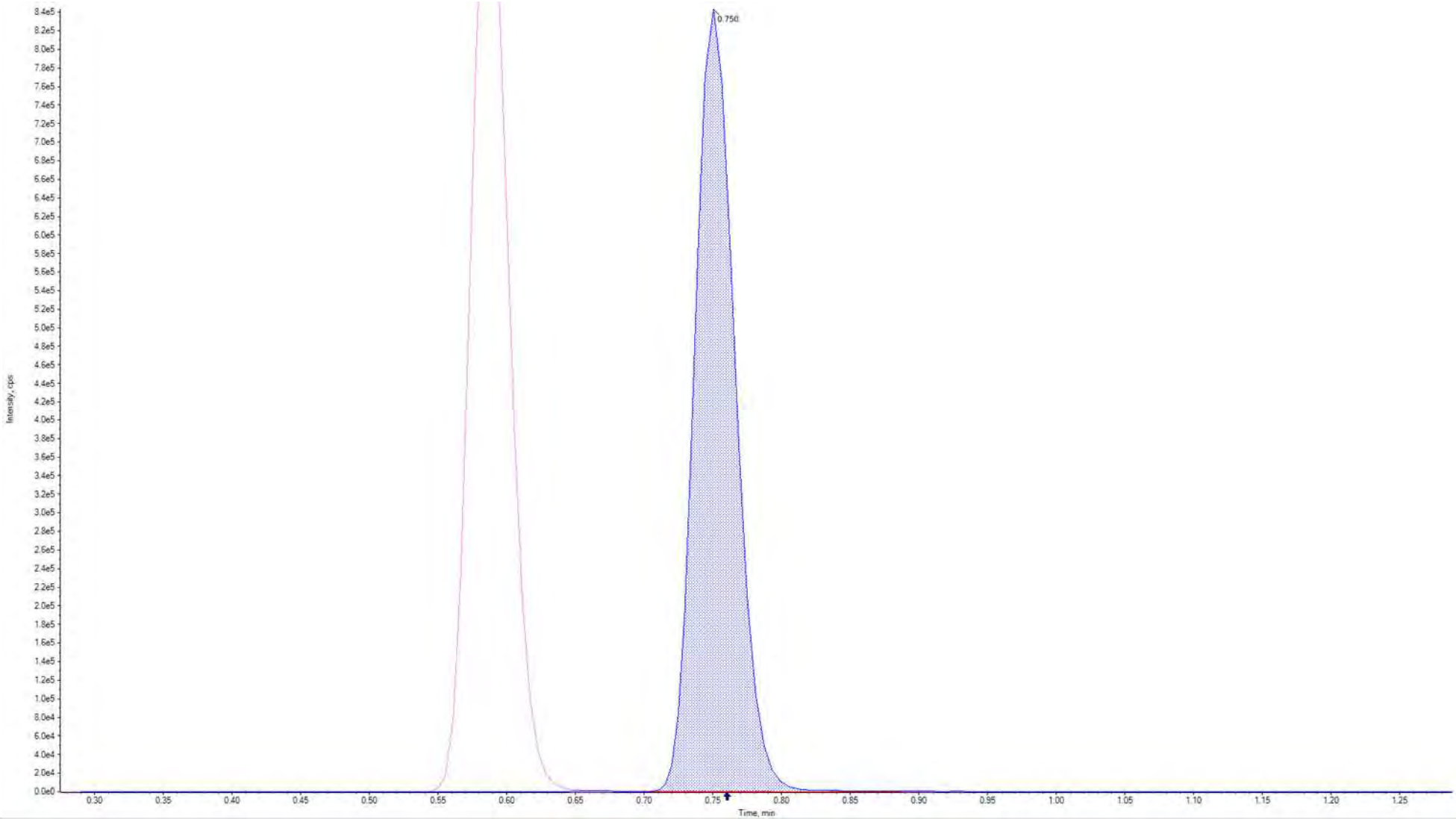
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

PFEESA_2
Sample: WG2038851-5,1633FMED S/N:2552.7 Points Across peak:23



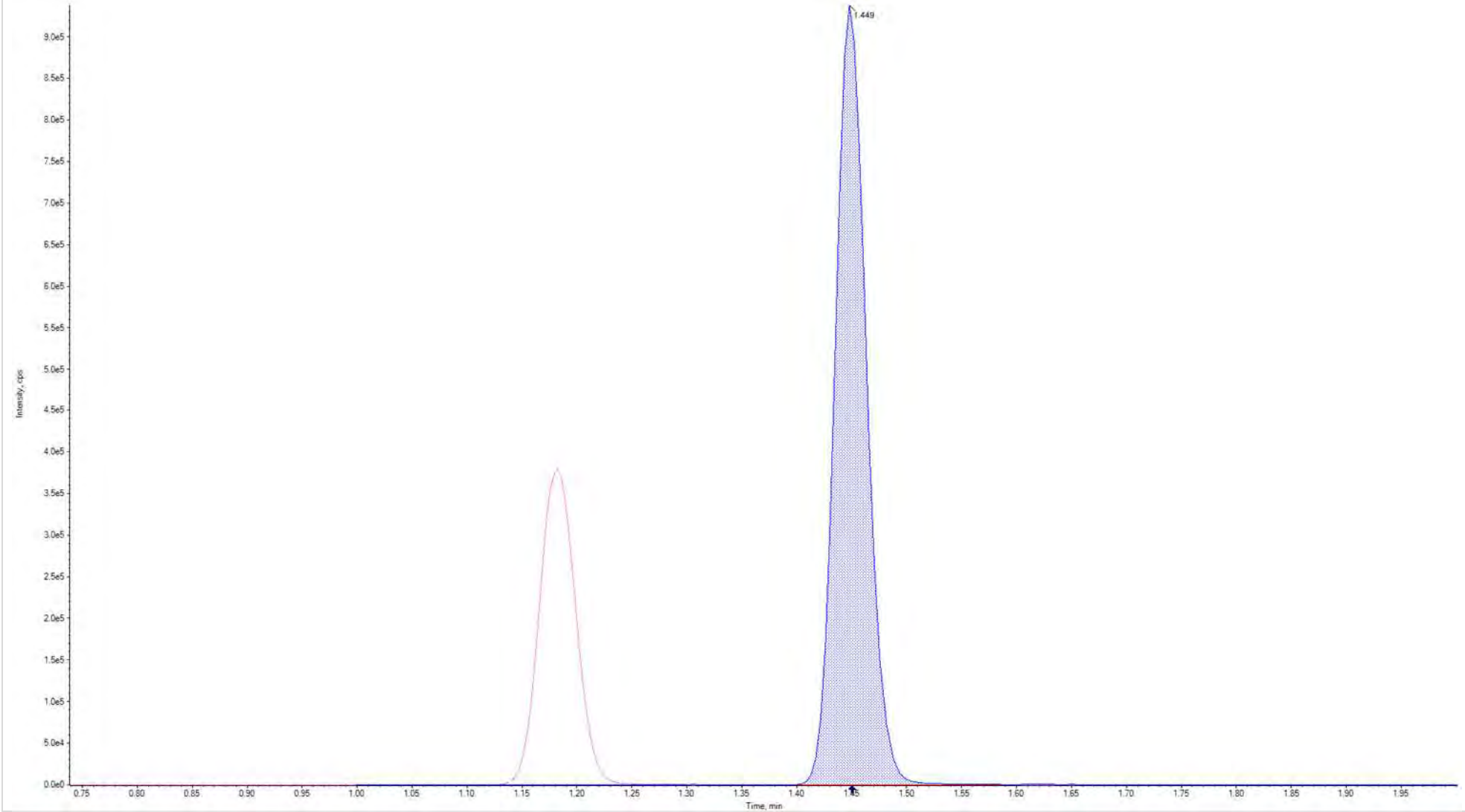
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

PFMPA
Sample: WG2038851-5,1633FMED S/N:15450.9 Points Across peak:35



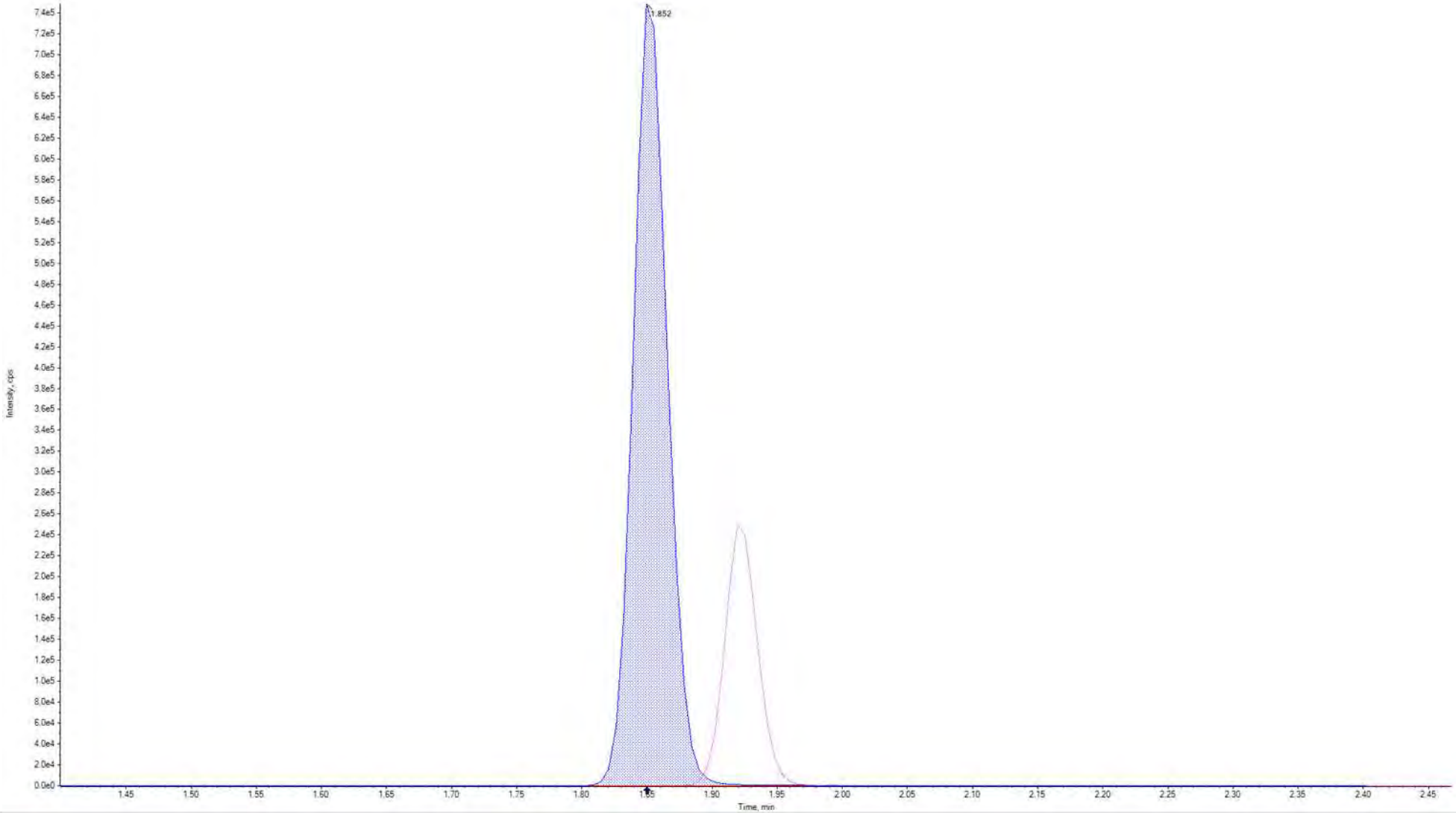
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

PFMBA
Sample: WG2038851-5,1633FMED S/N:54066.7 Points Across peak:43



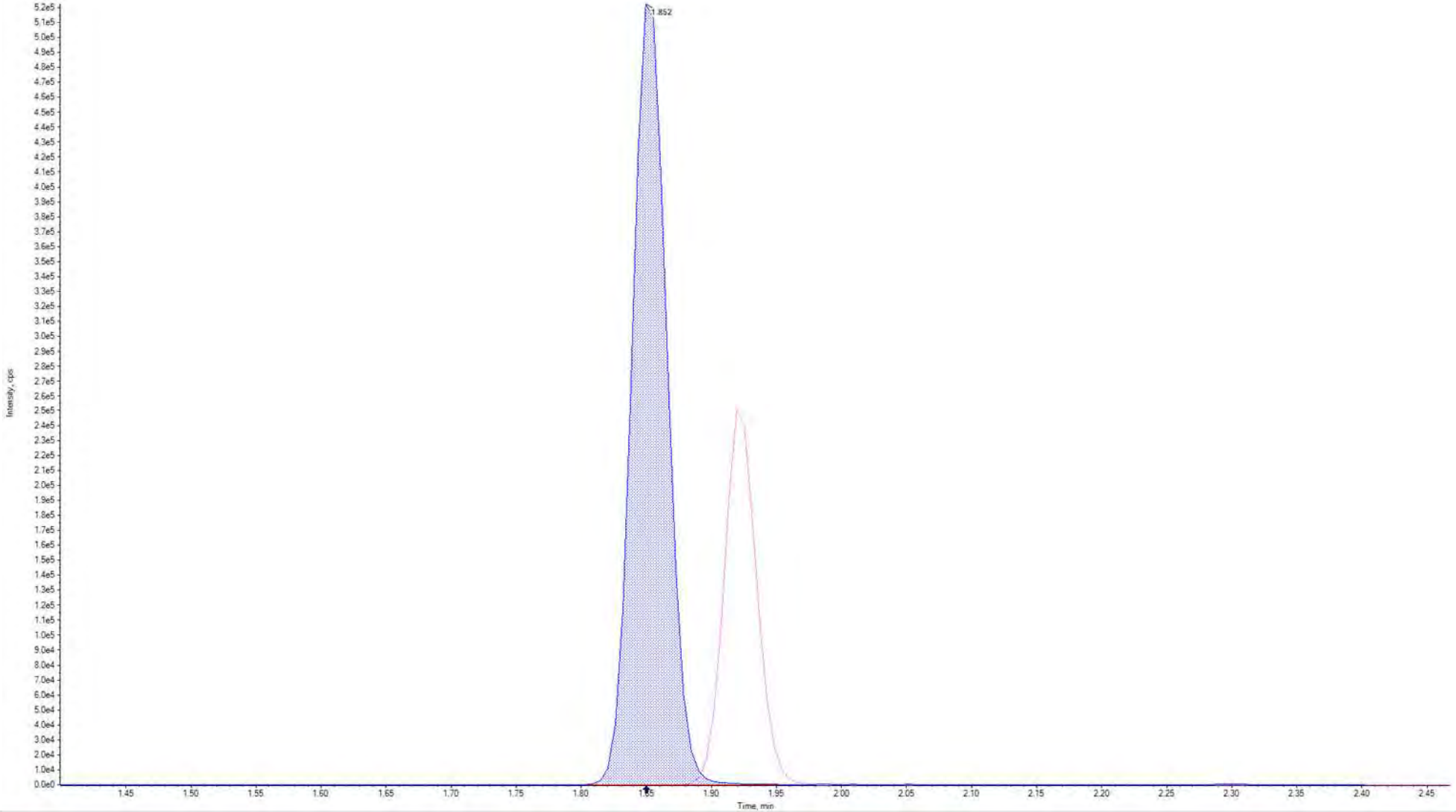
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

NFDHA
Sample: WG2038851-5,1633FMED S/N:7430.8 Points Across peak:39



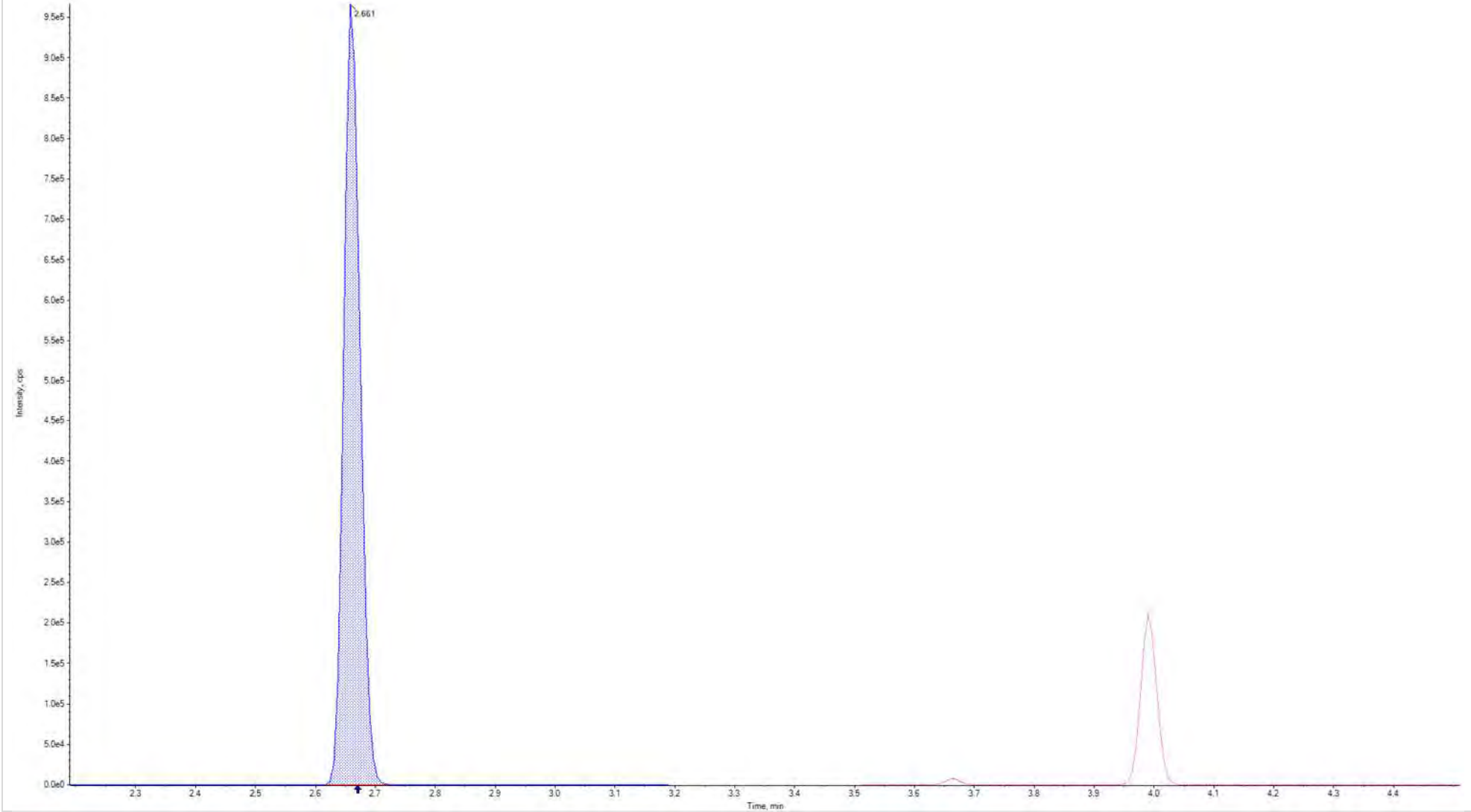
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

NFDHA_2
Sample: WG2038851-5,1633FMED S/N:14403.7 Points Across peak:33



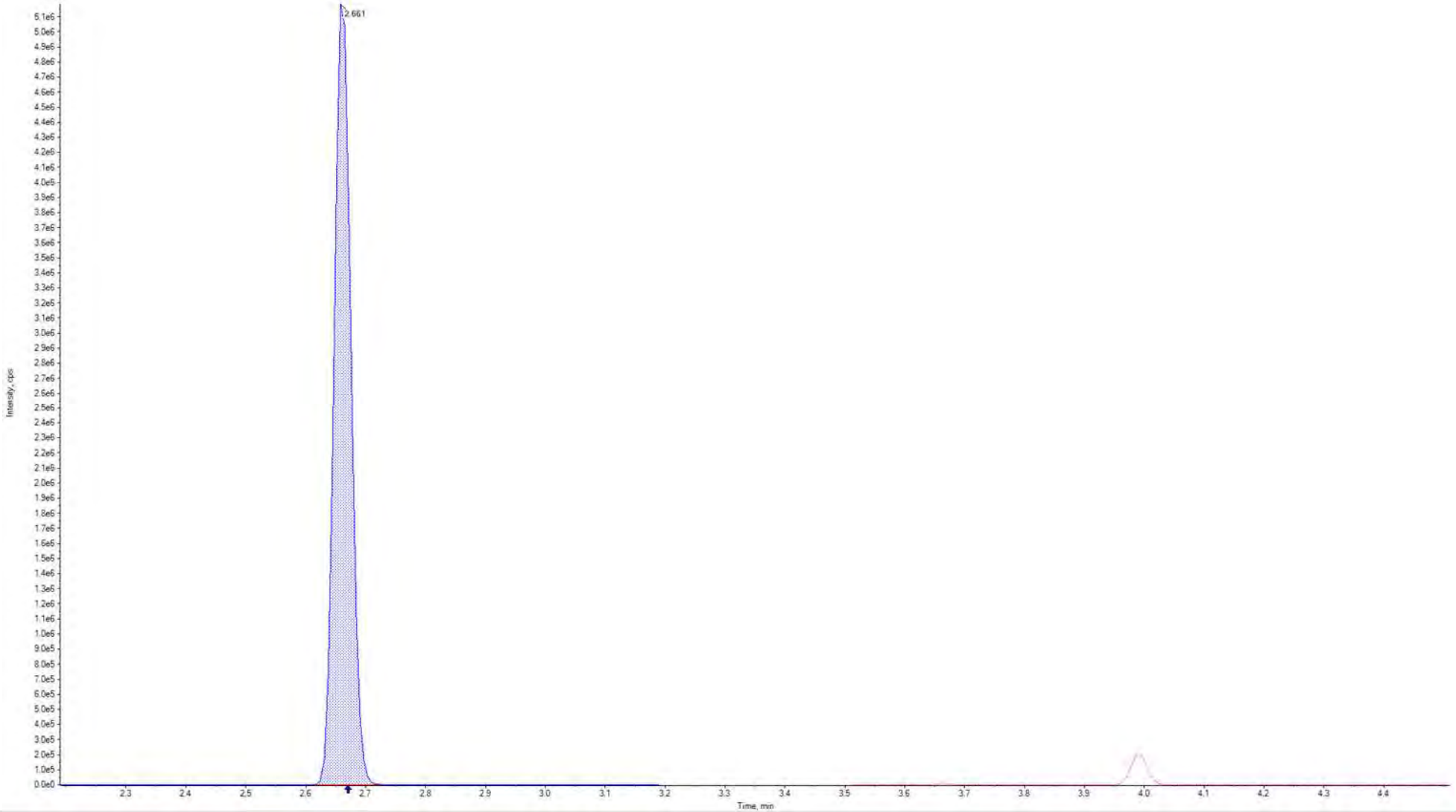
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

TDCA
Sample: WG2038851-5,1633FMED S/N:18127.2 Points Across peak:20



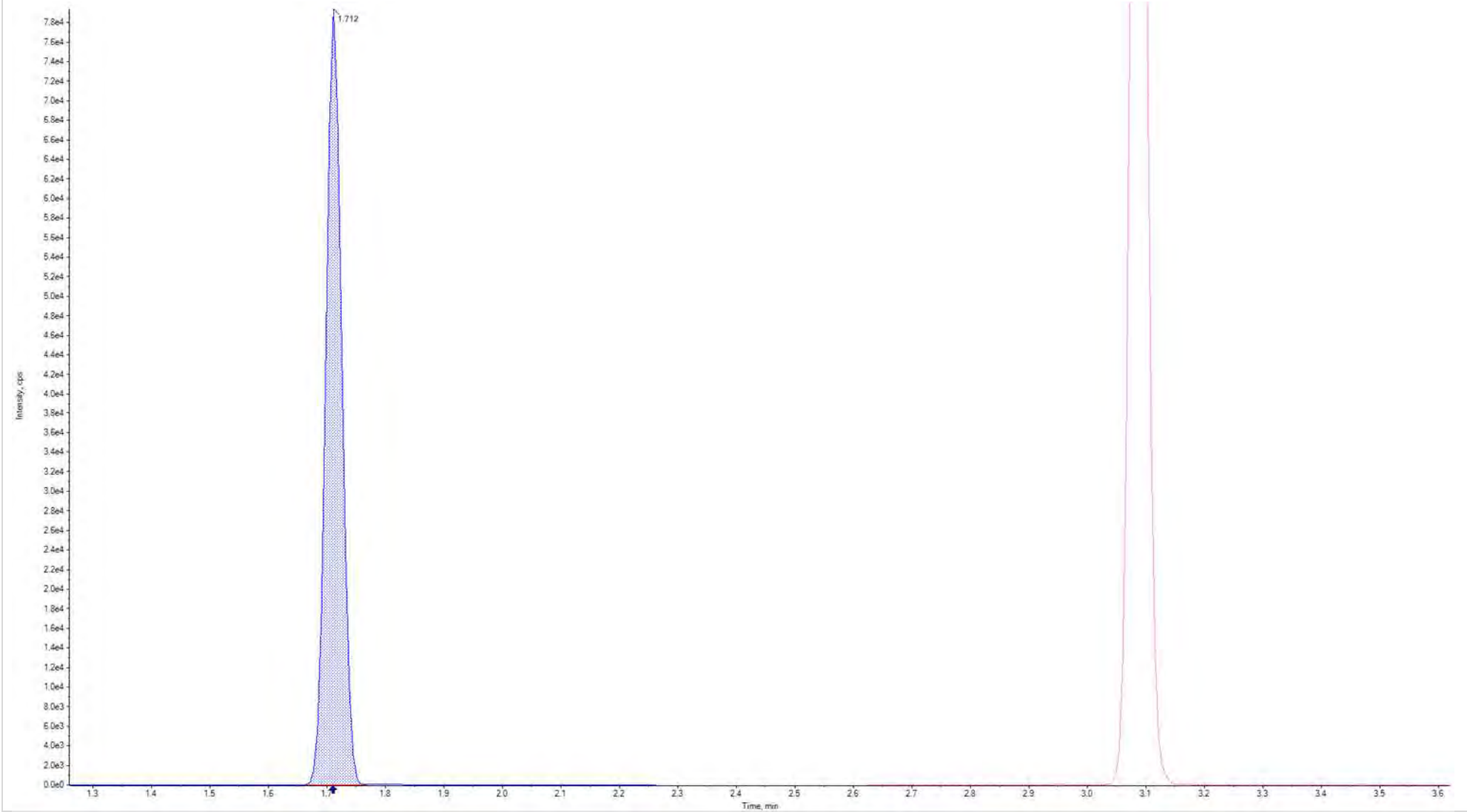
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

TDCA_2
Sample: WG2038851-5,1633FMED S/N:9794.0 Points Across peak:32



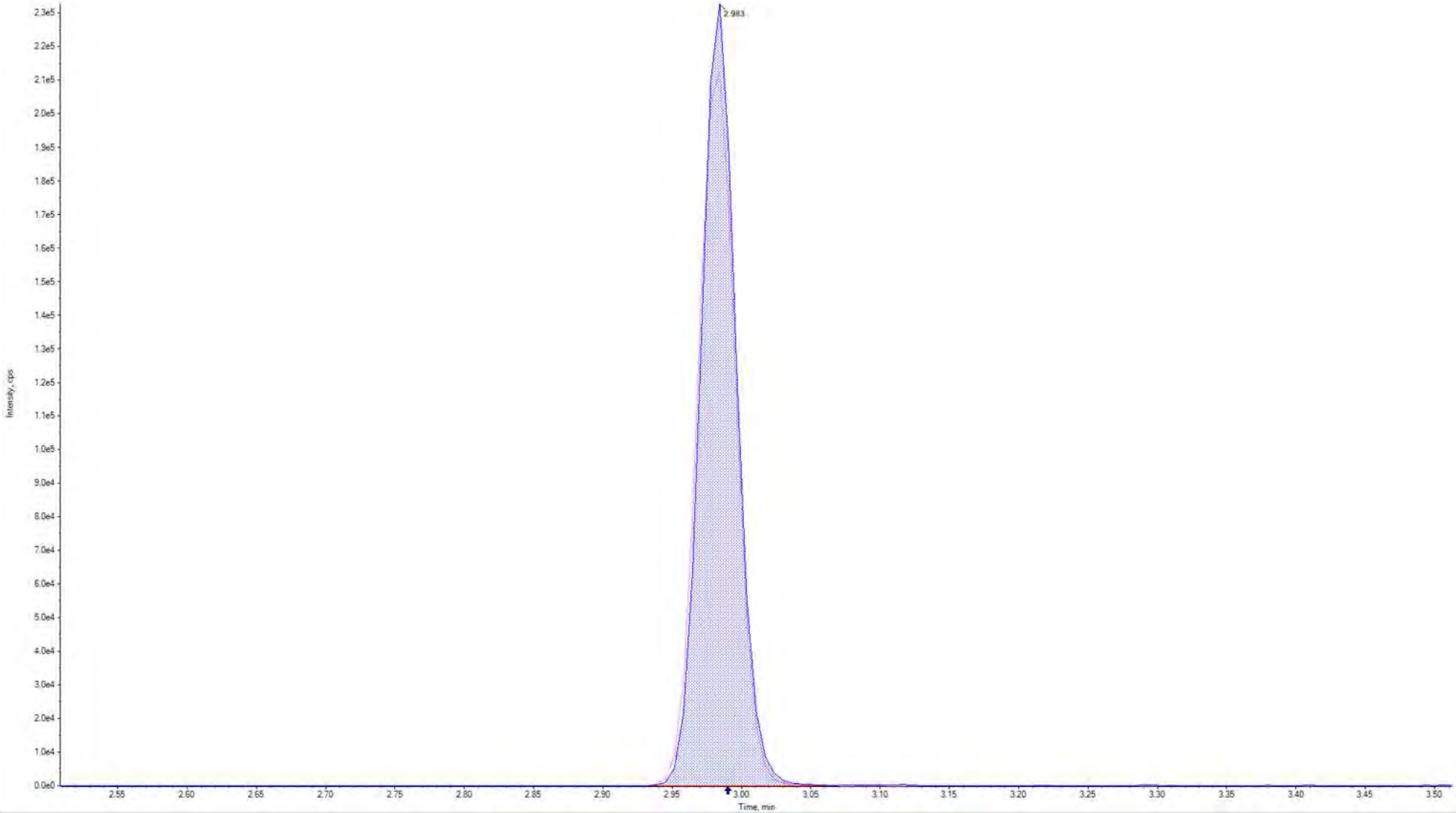
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

13C2D4-4:2FTS
Sample: WG2038851-5,1633FMED S/N:2984.3 Points Across peak:21

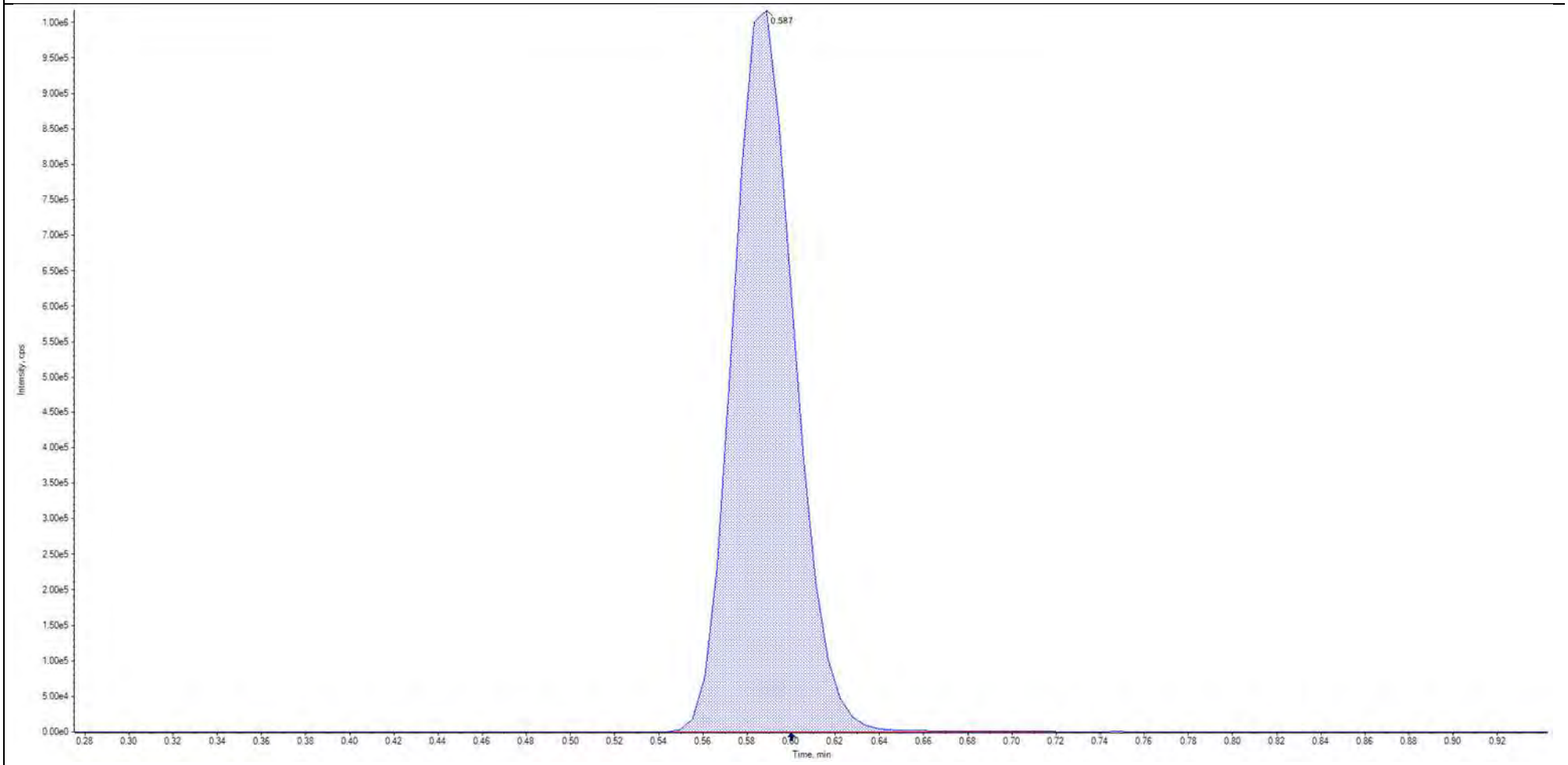


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

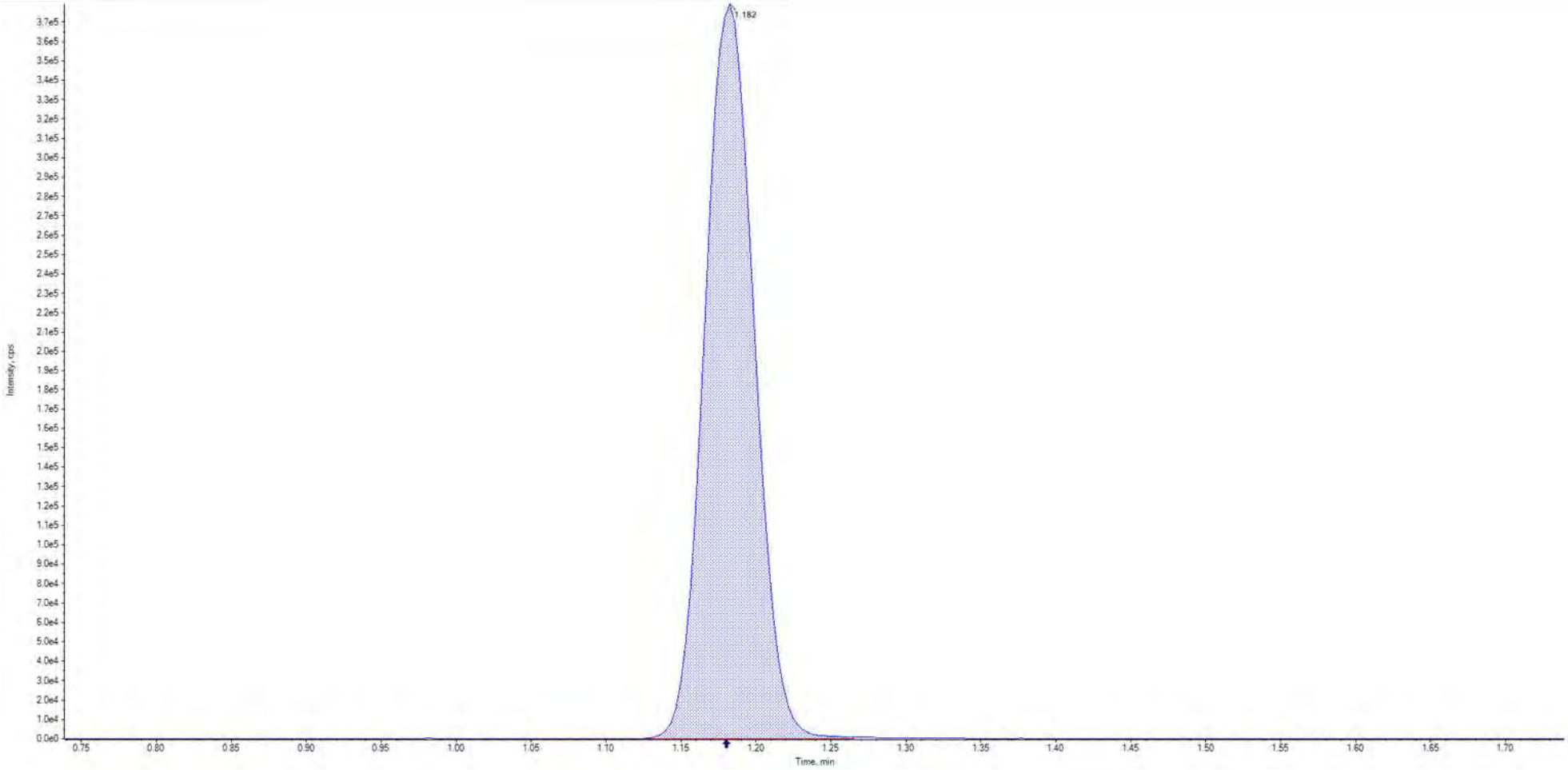
13C2-PFOA
Sample: WG2038851-5,1633FMED S/N:5249.2 Points Across peak:25



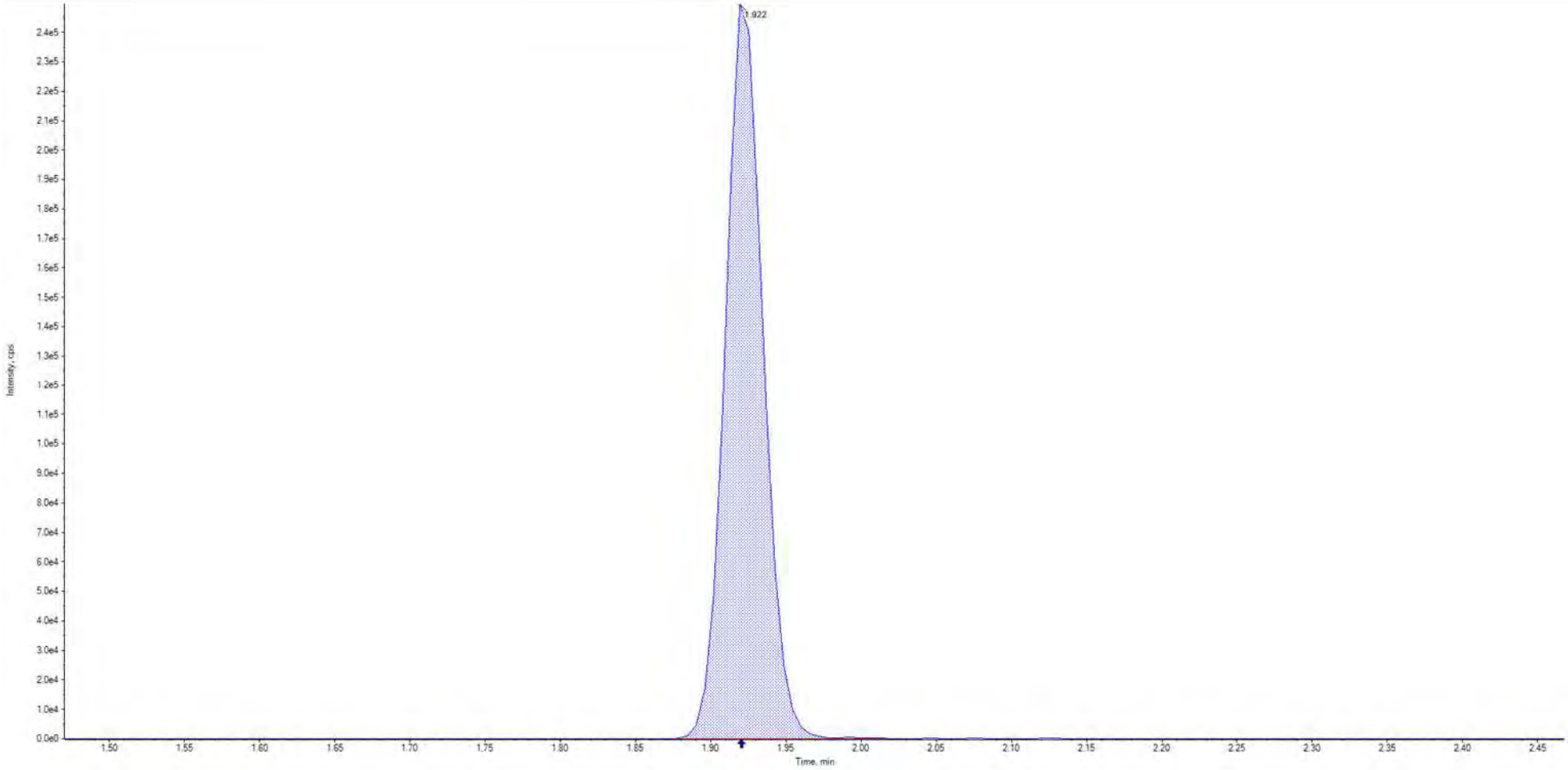
13C4-PFBA
Sample: WG2038851-5,1633FMED



13C5-PFPeA
Sample: WG2038851-5,1633FMED



13C5-PFHxA
Sample: WG2038851-5,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_27.wiff2_19
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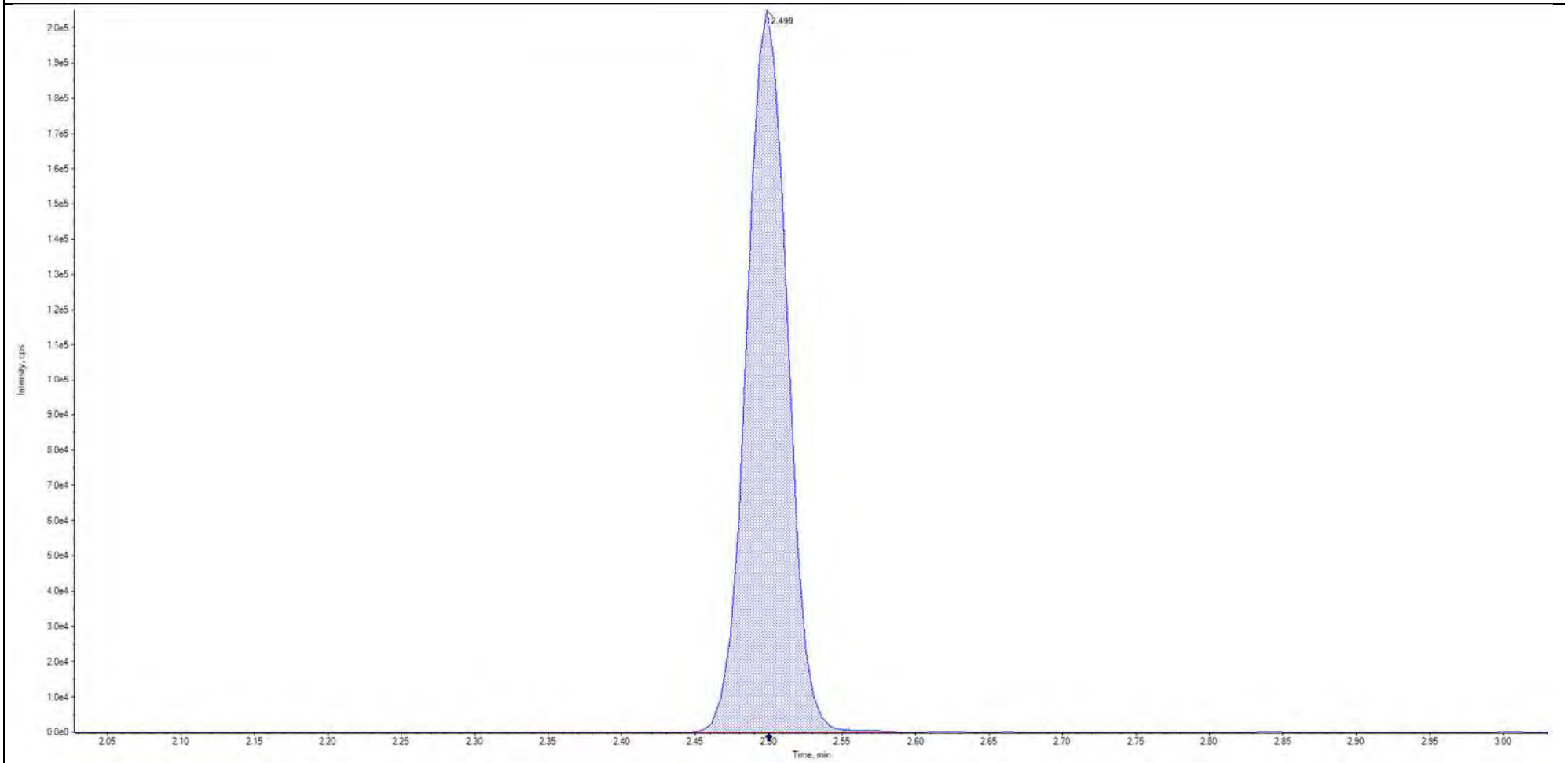
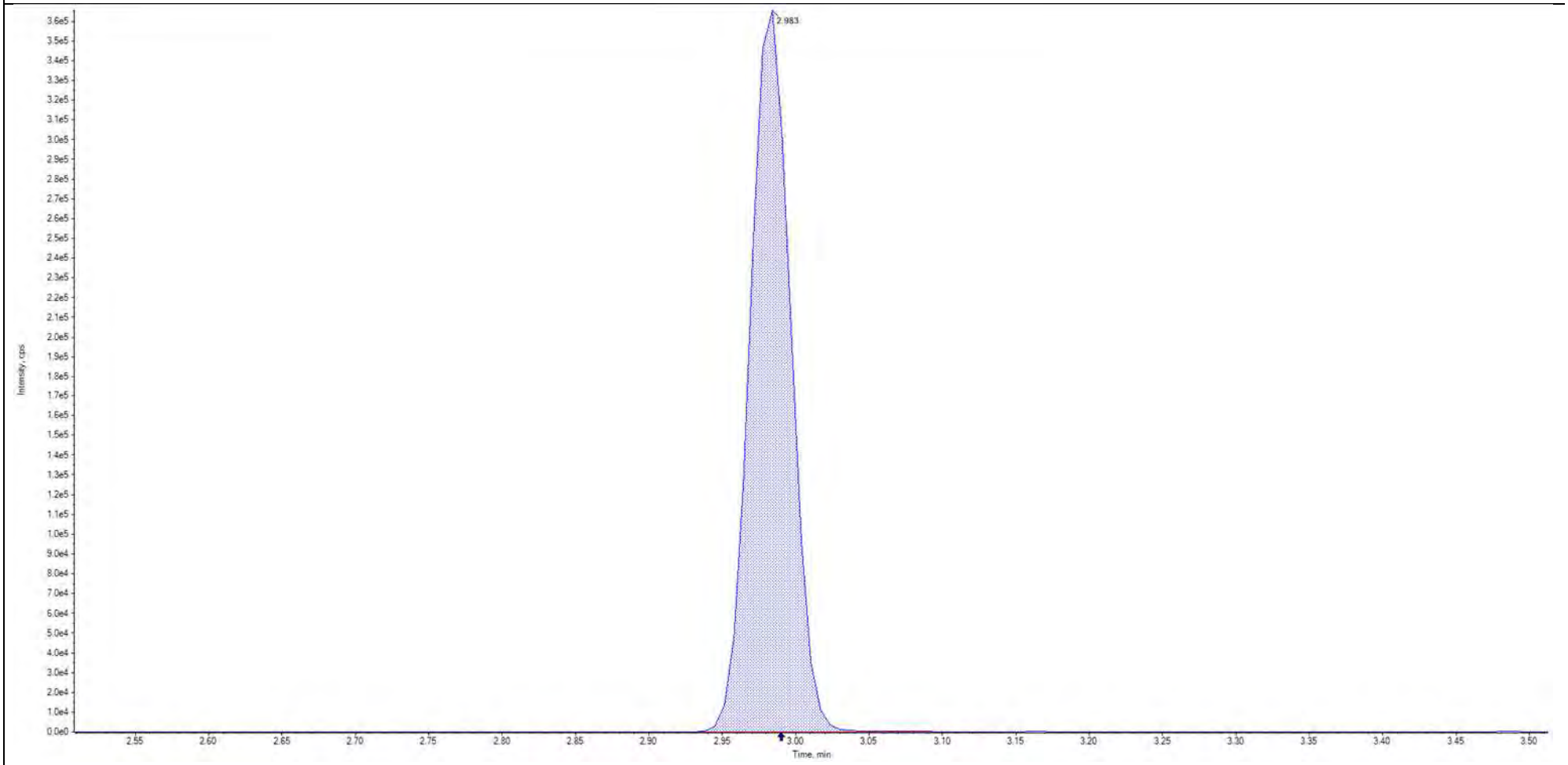
Generated: 3/11/2025 7:33:31 AM

13C4-PFHpA
Sample: WG2038851-5,1633FMED



13C8-PFOA
Sample: WG2038851-5,1633FMED



13C9-PFNA
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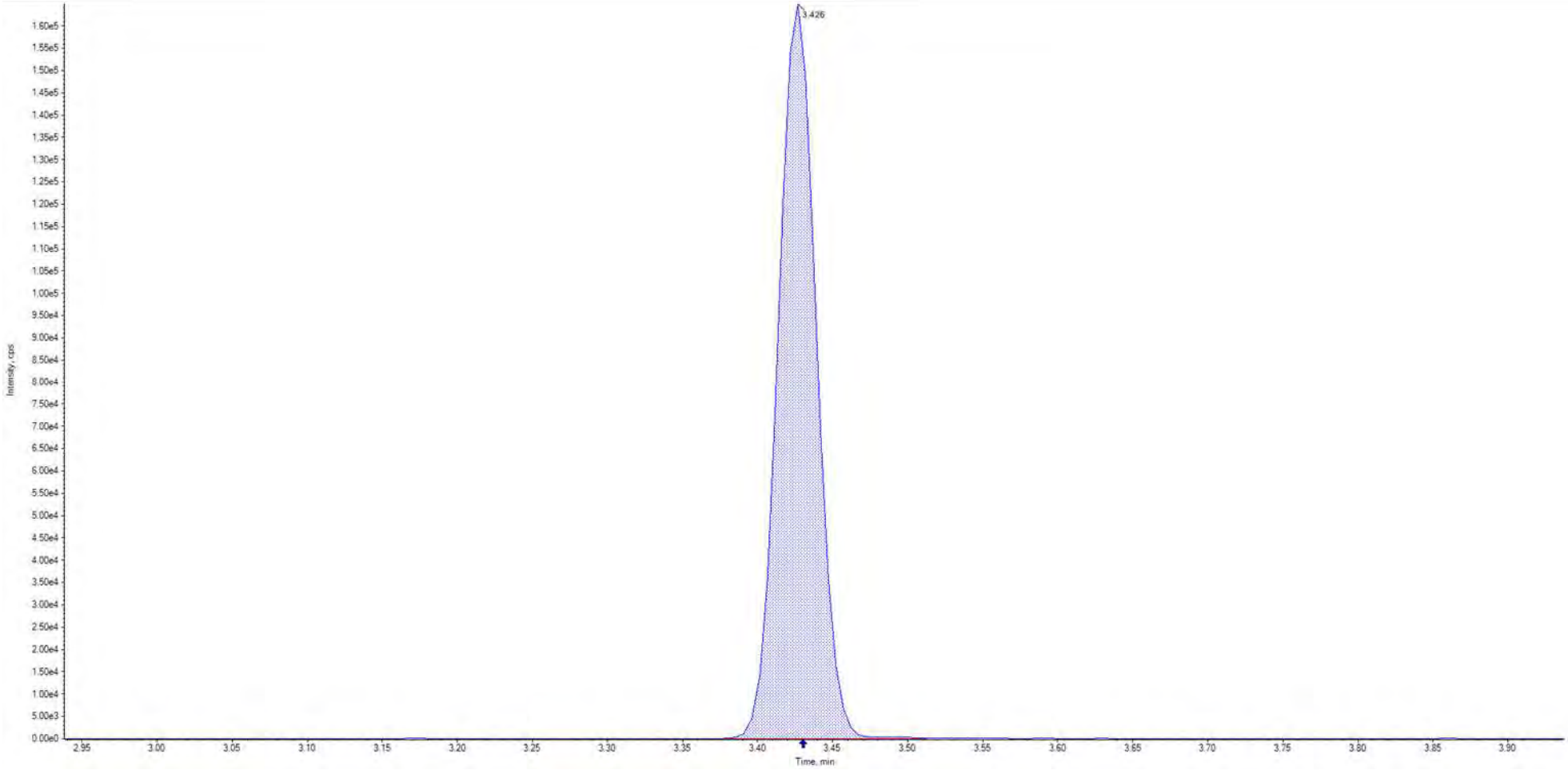
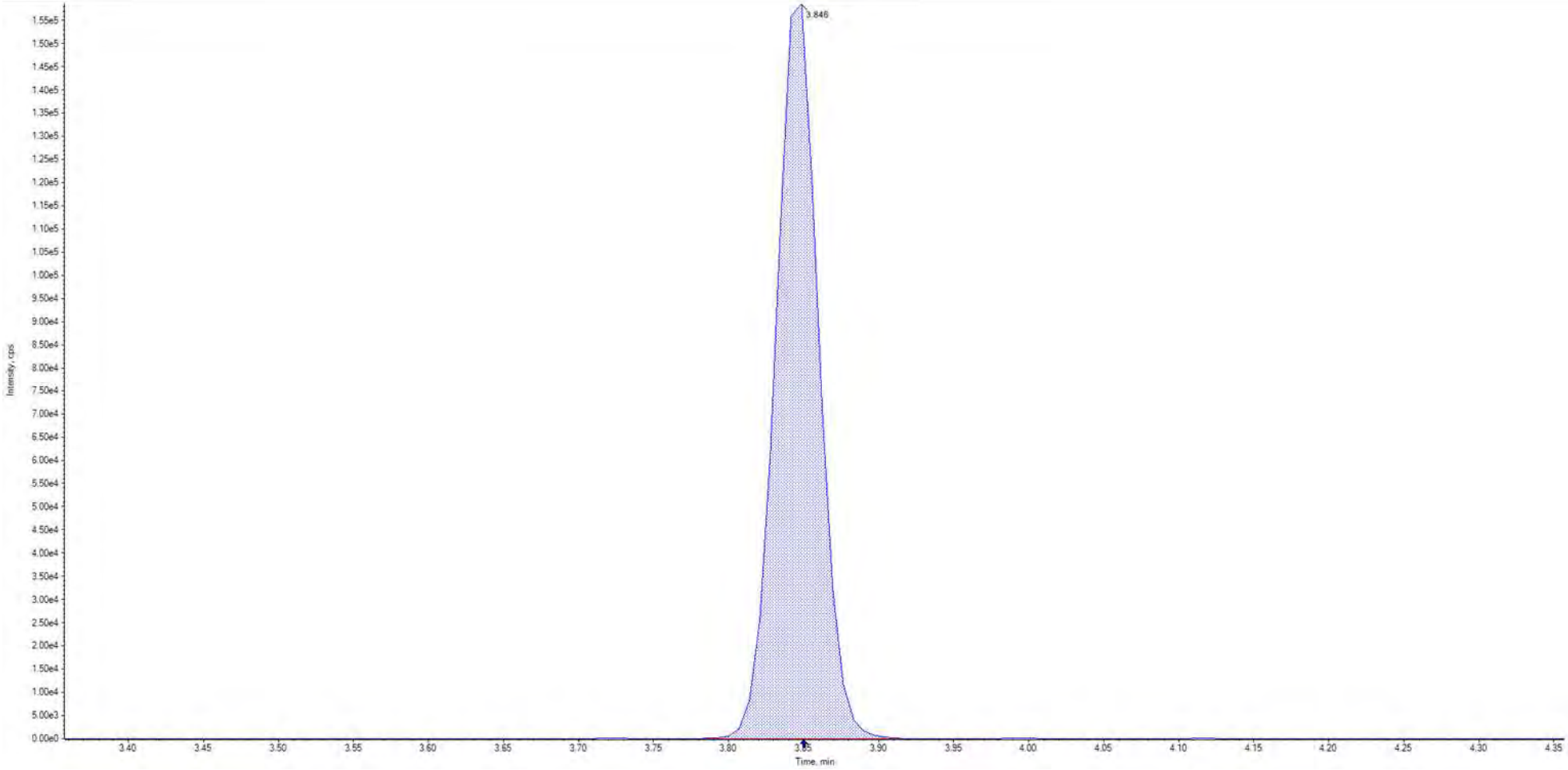
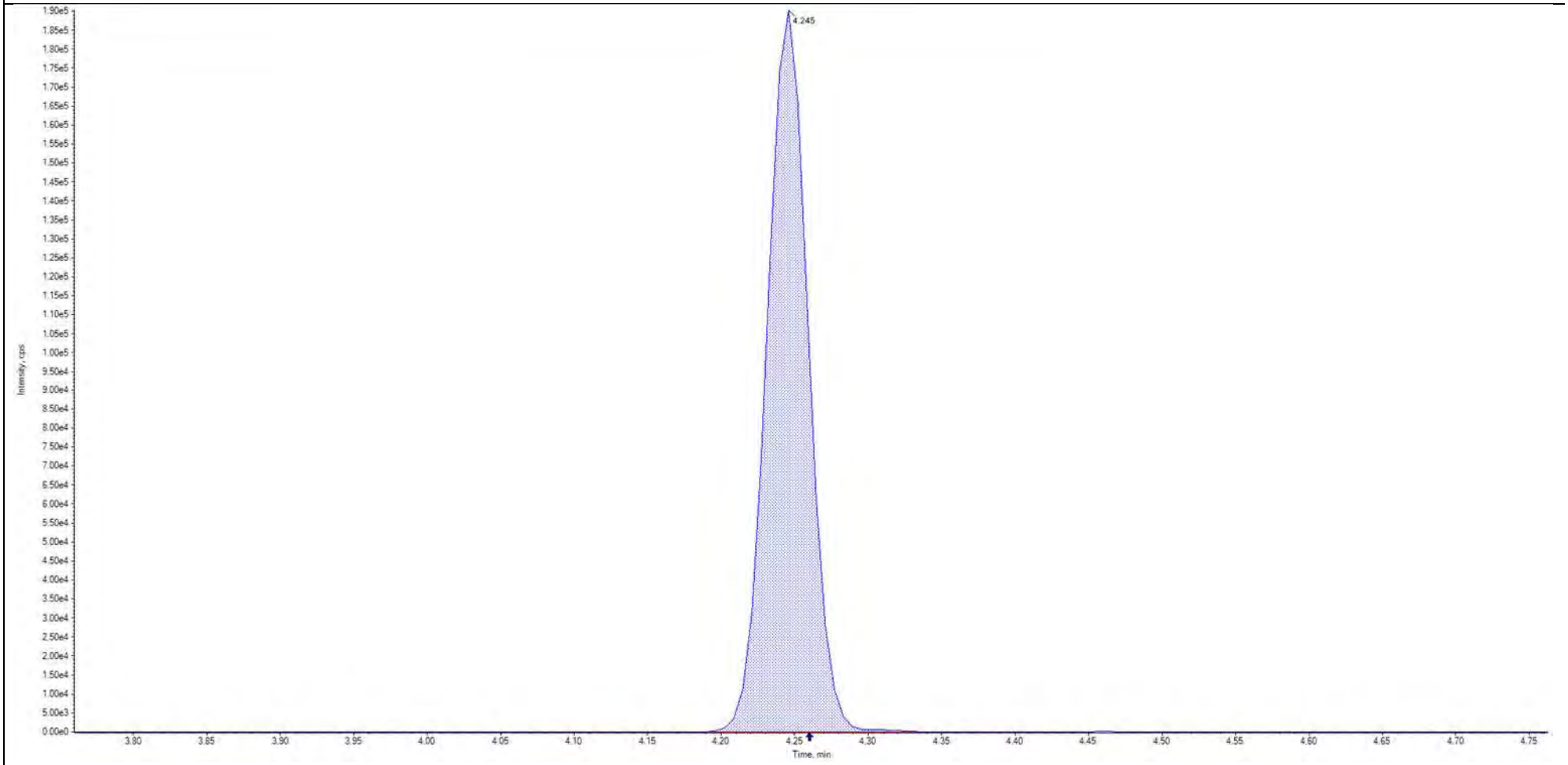


13C6-PFDA
Sample: WG2038851-5,1633FMED



13C7-PFUnA
Sample: WG2038851-5,1633FMED



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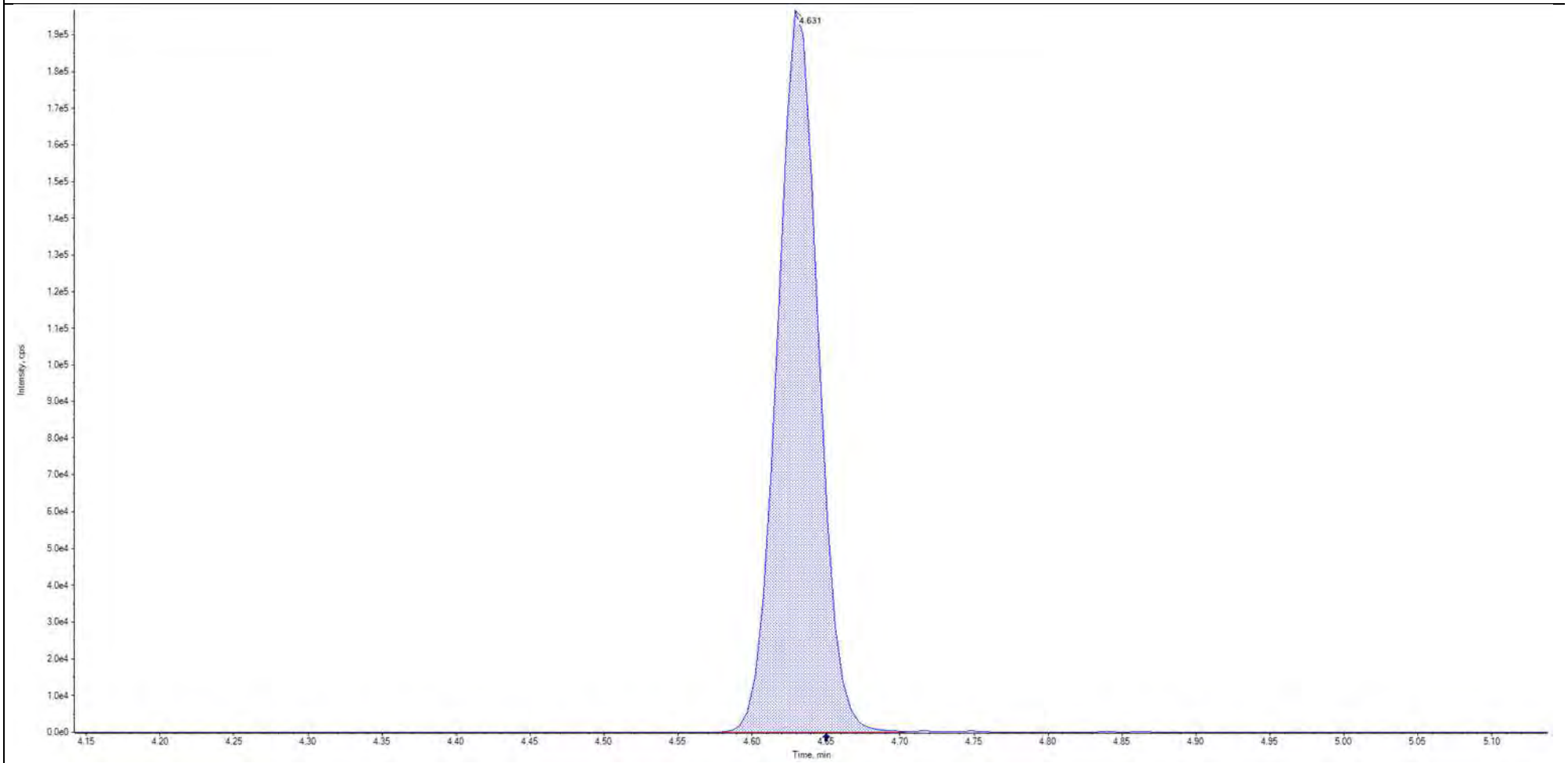
13C2-PFDoA
Sample: WG2038851-5,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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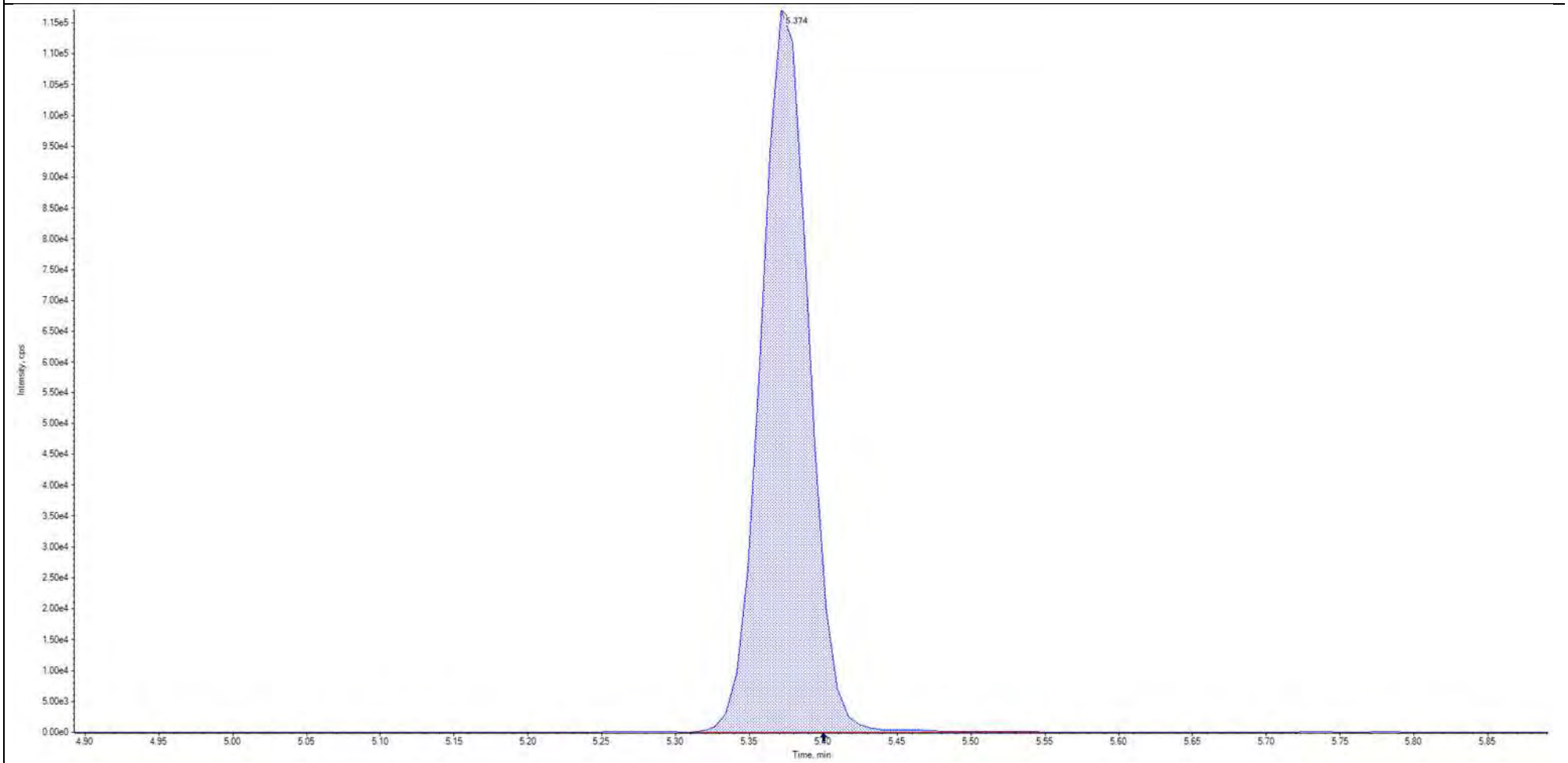
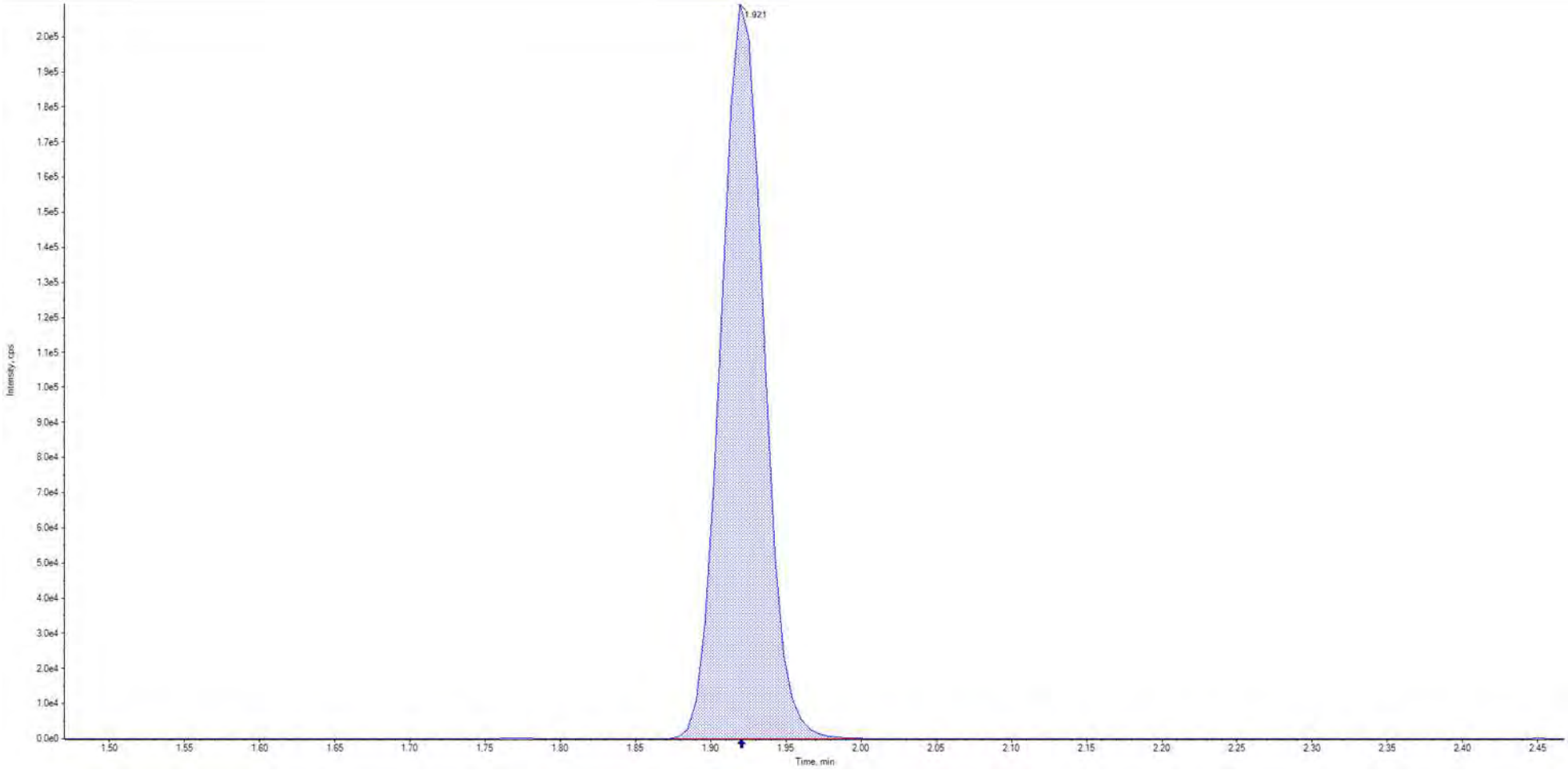
13C2-PFTeDA
Sample: WG2038851-5,1633FMED



13C3-PFBS
Sample: WG2038851-5,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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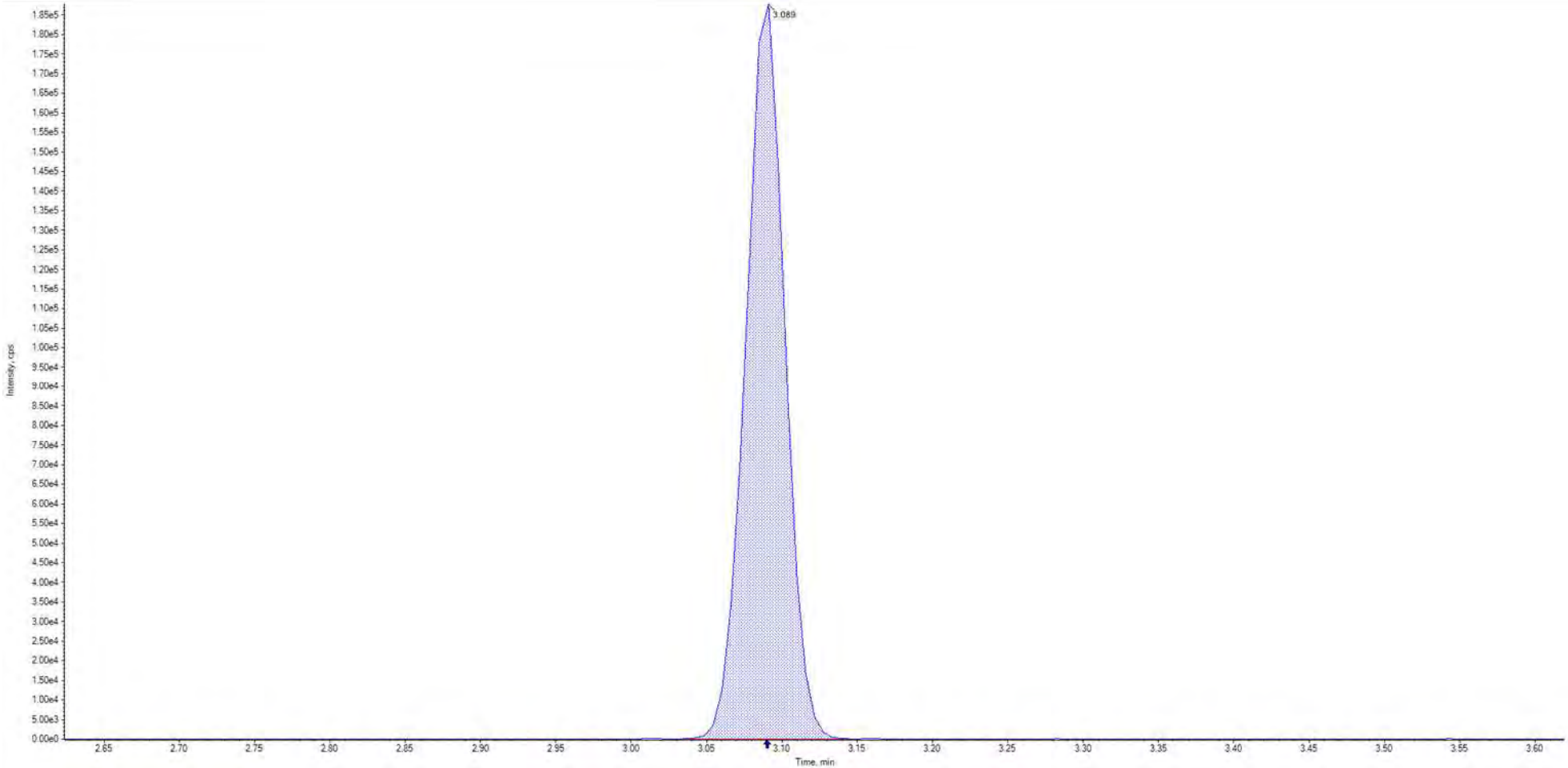
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

13C3-PFHxS
Sample: WG2038851-5,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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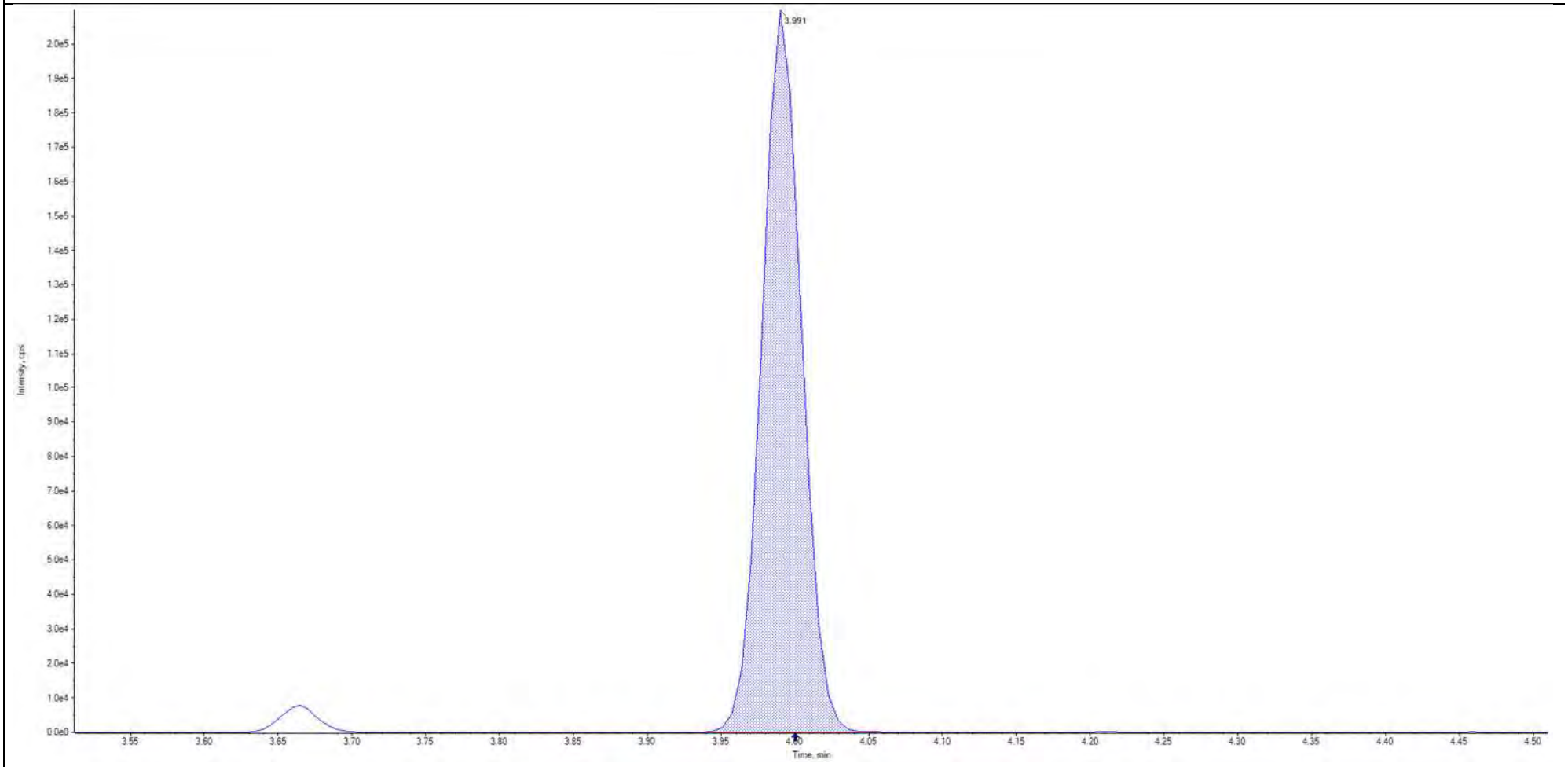
Last Altered: 3/11/2025 11:47:21 AM
Generated: 3/11/2025 7:33:31 AM

13C8-PFOS
Sample: WG2038851-5,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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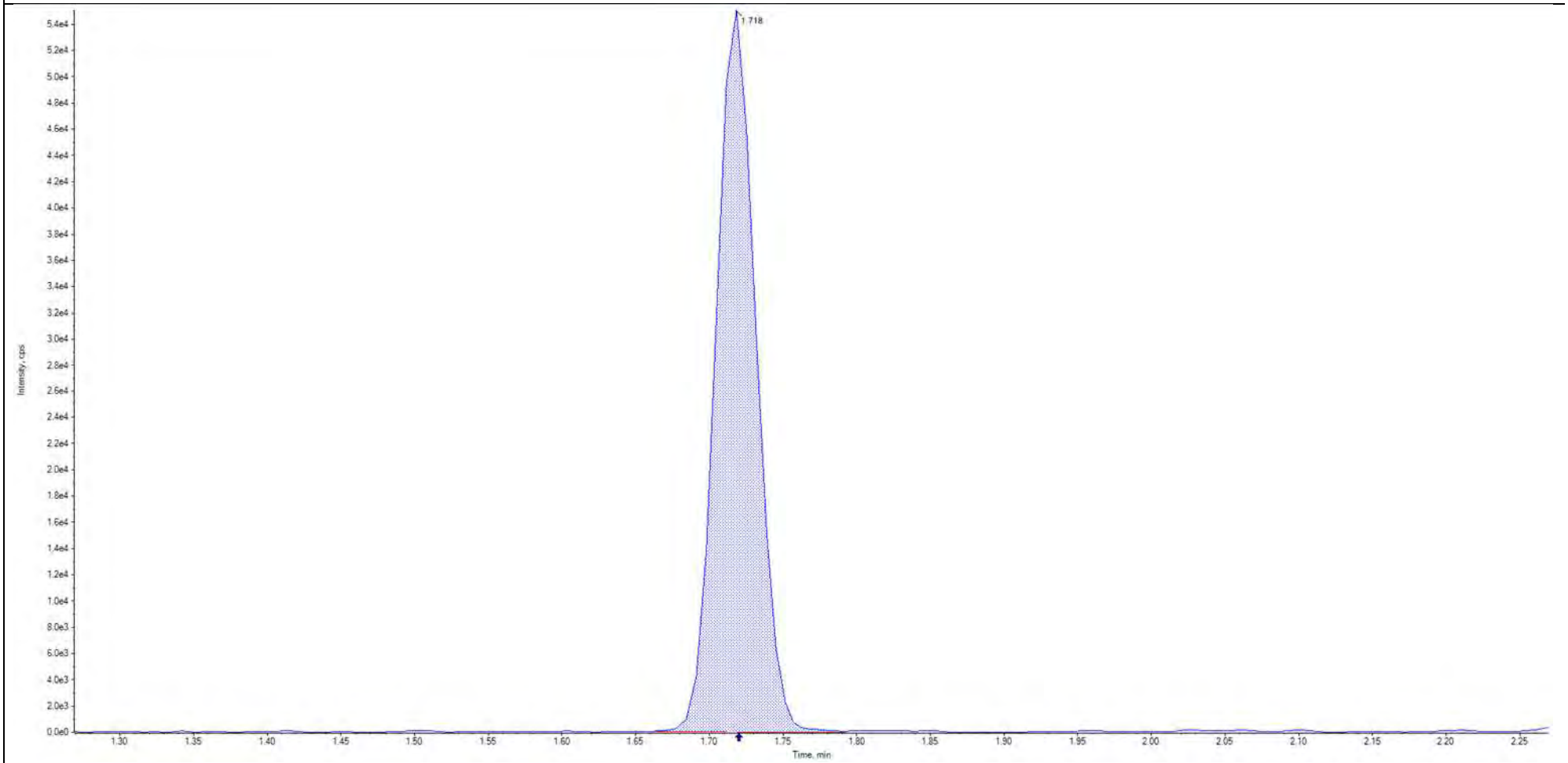
13C2-4:2FTS
Sample: WG2038851-5,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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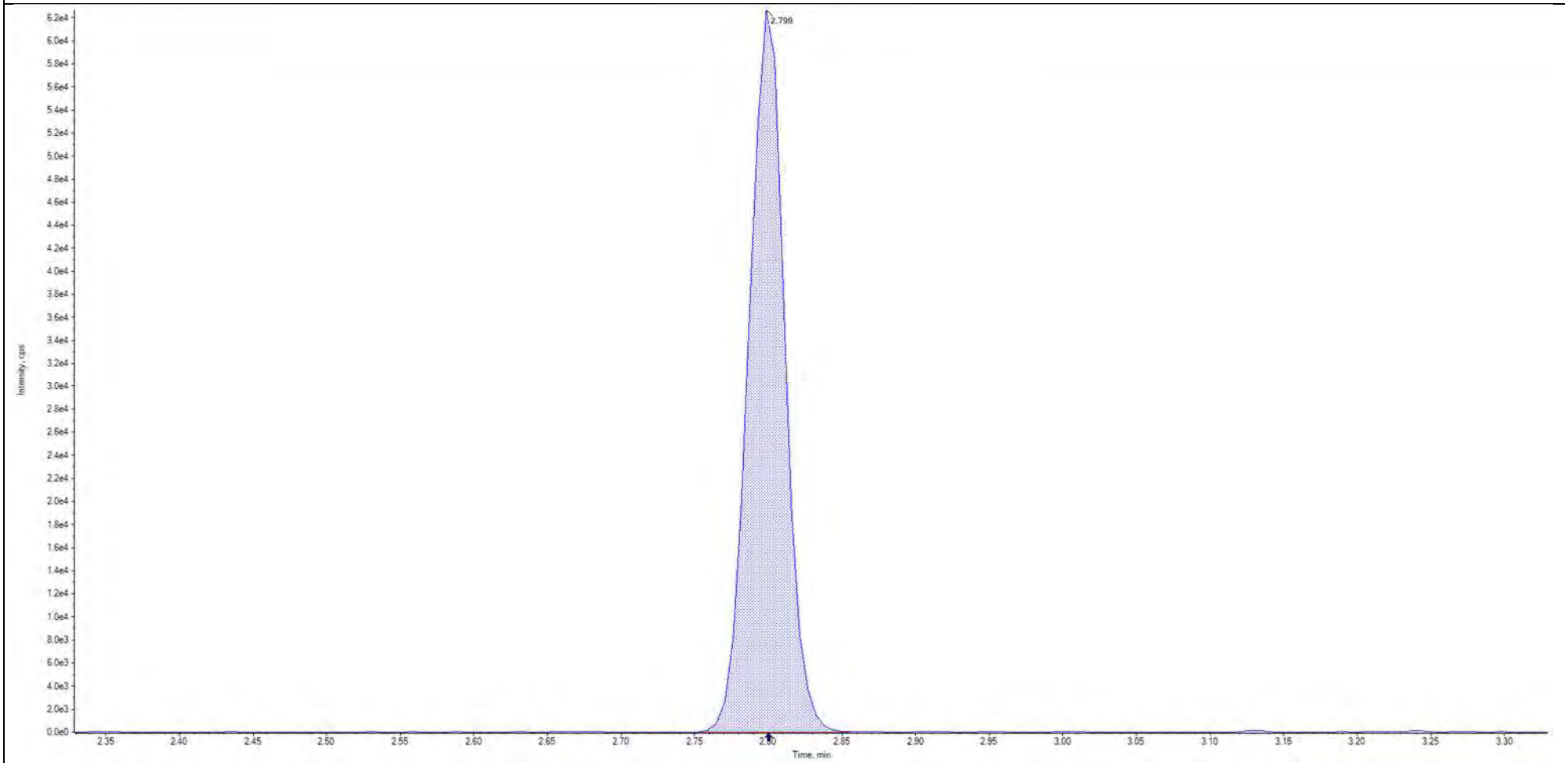
13C2-6:2FTS
Sample: WG2038851-5,1633FMED



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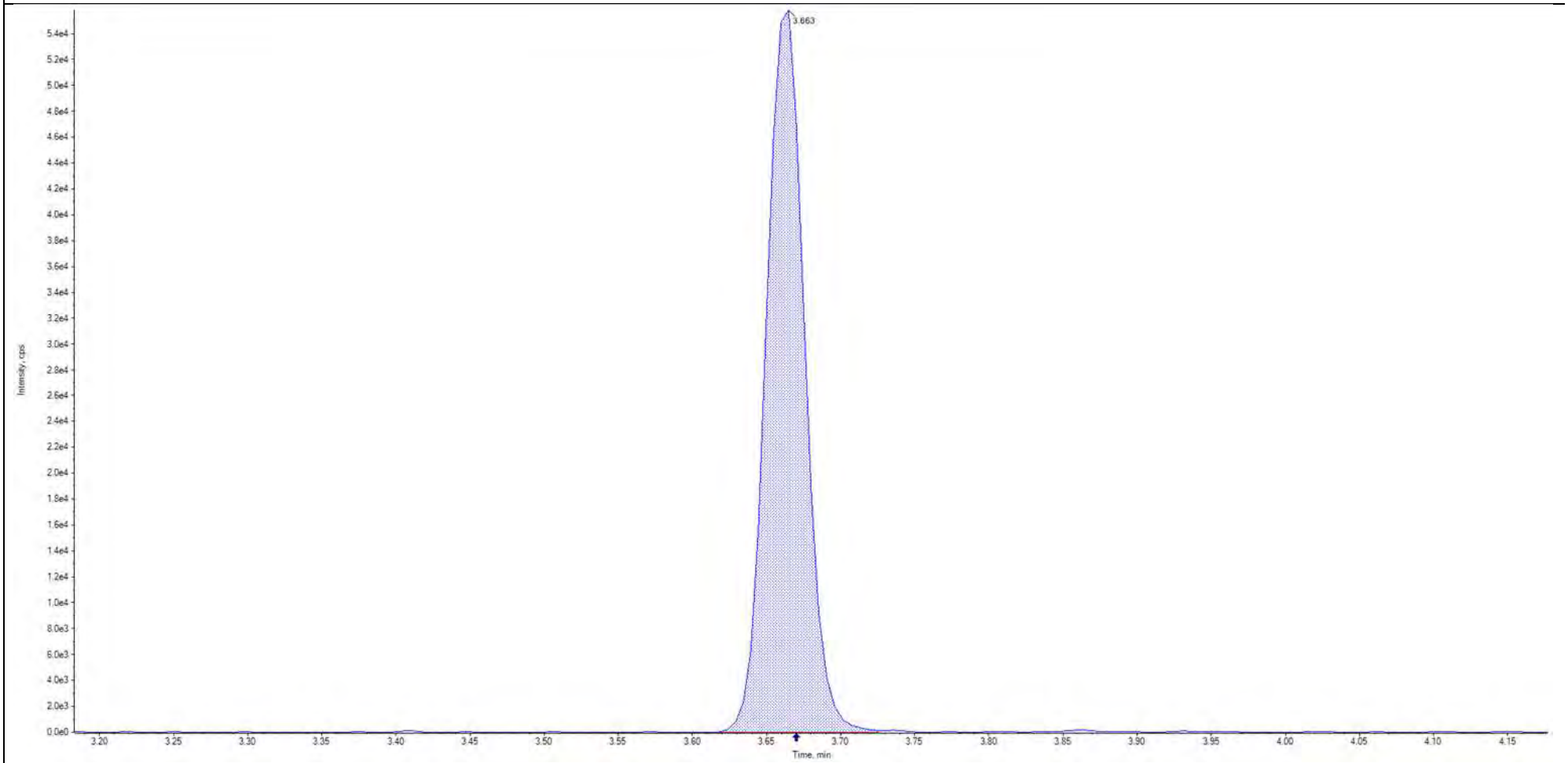
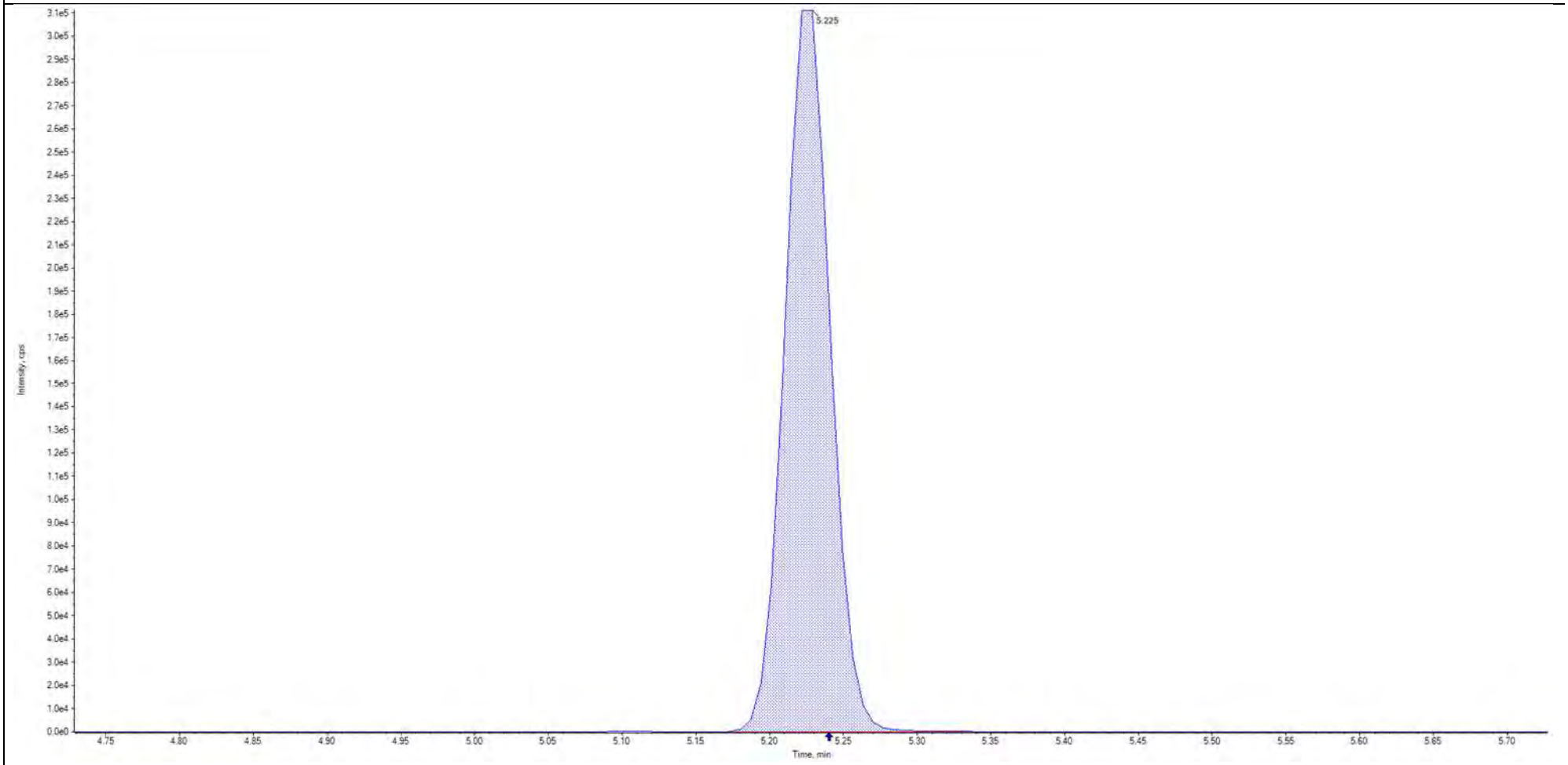
Generated: 3/11/2025 7:33:31 AM

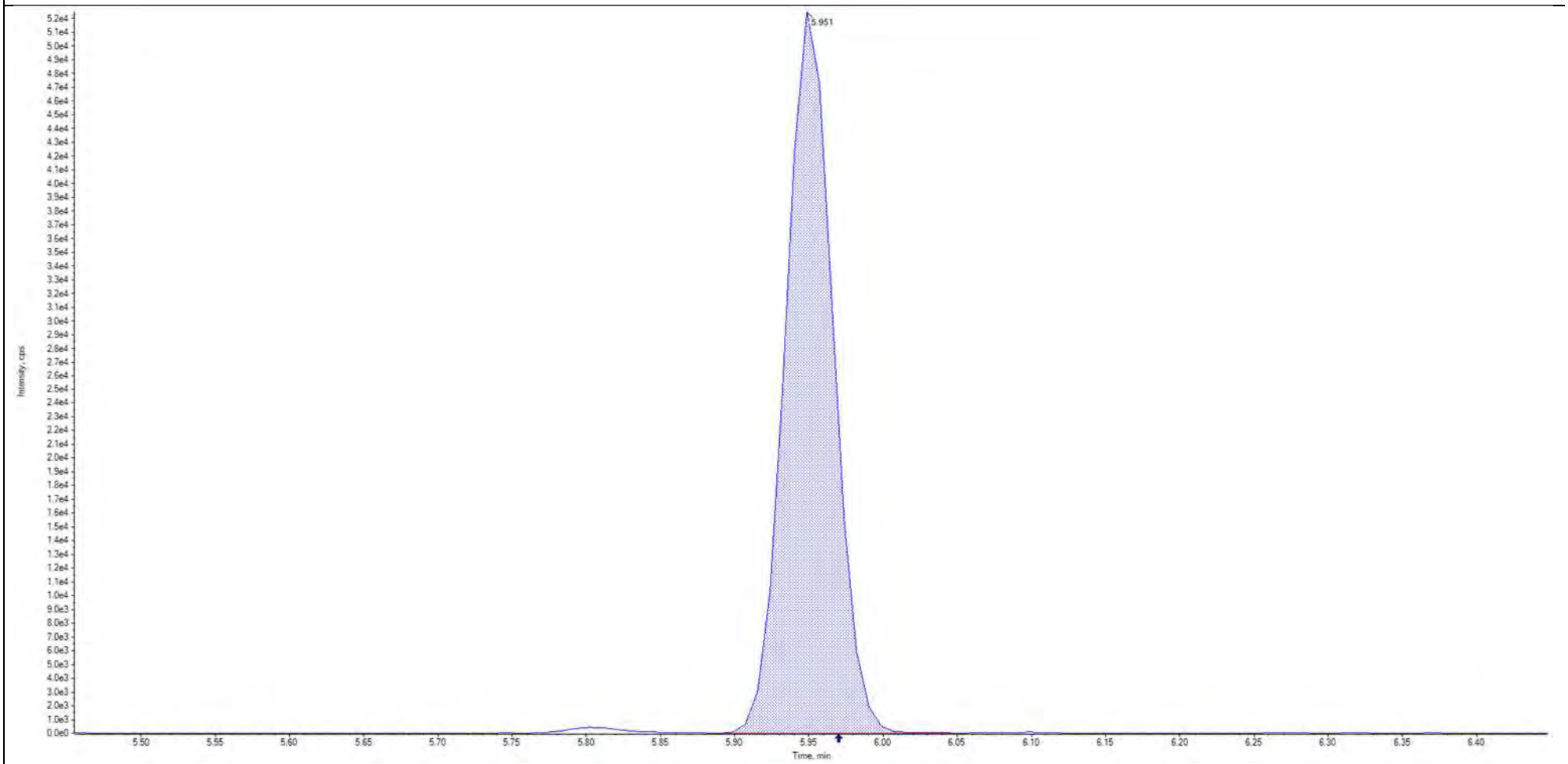
13C2-8:2FTS
Sample: WG2038851-5,1633FMED



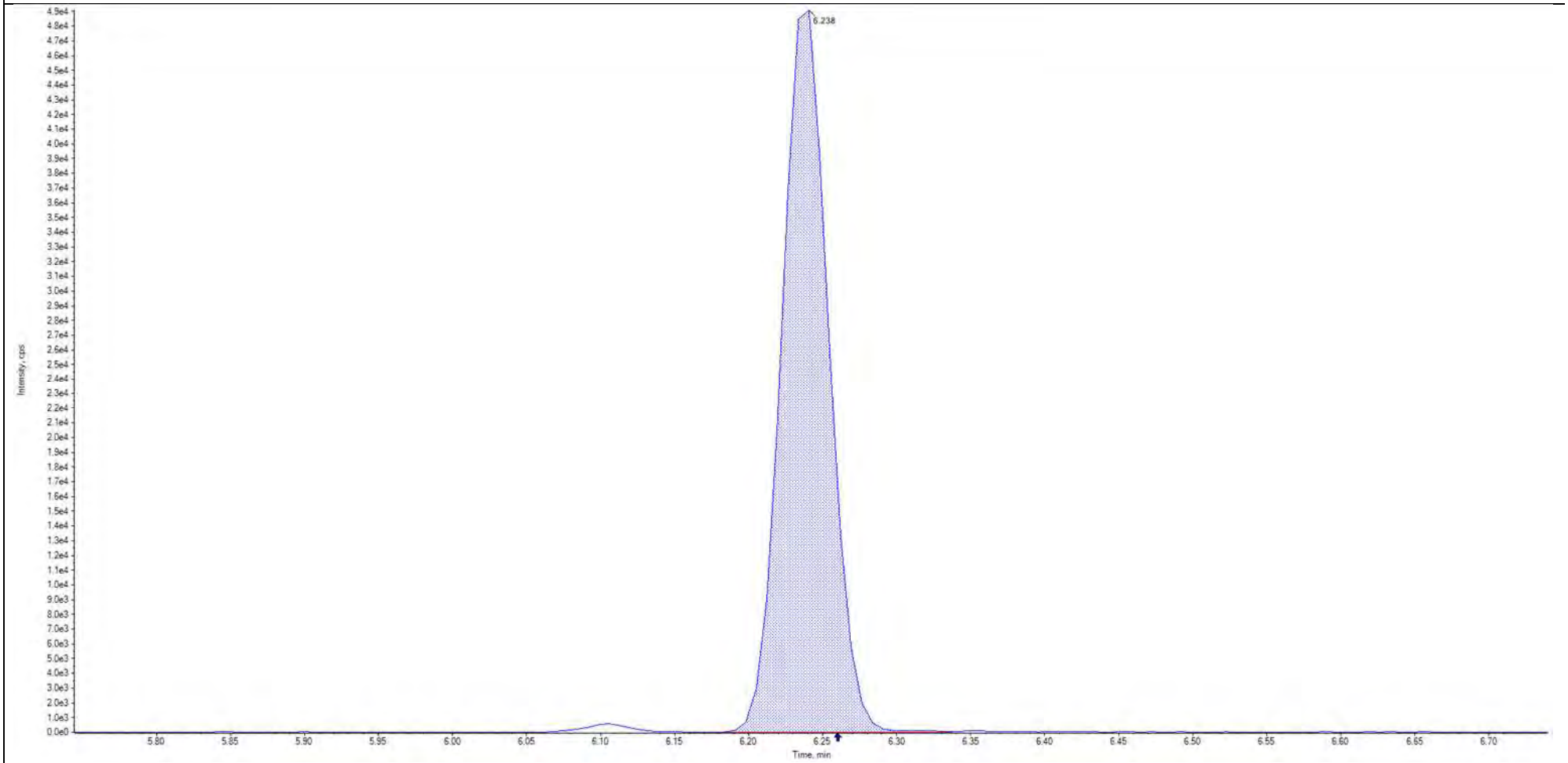
13C8-PFOSA
Sample: WG2038851-5,1633FMED



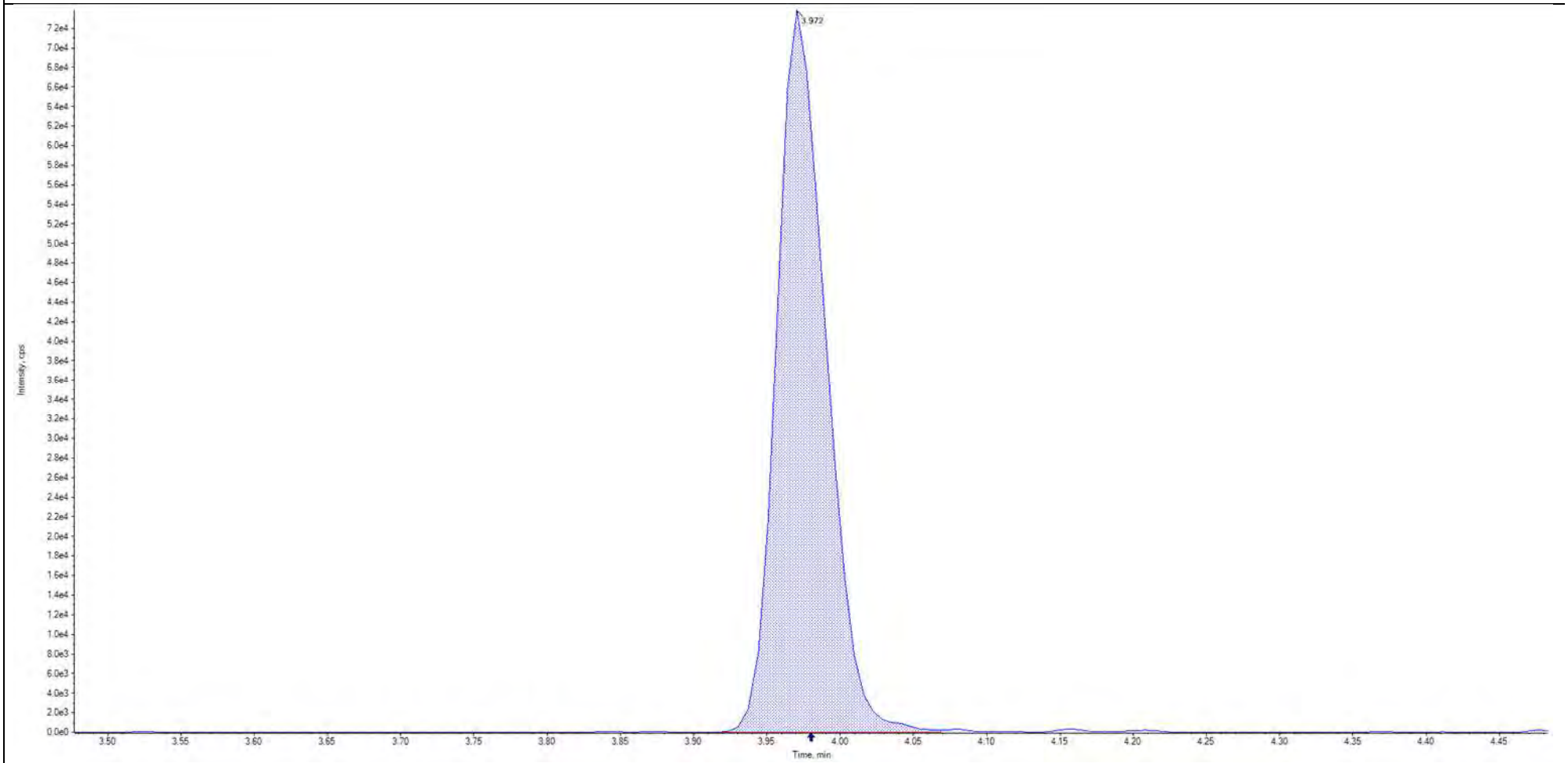
d3-NMeFOSA
Sample: WG2038851-5,1633FMED



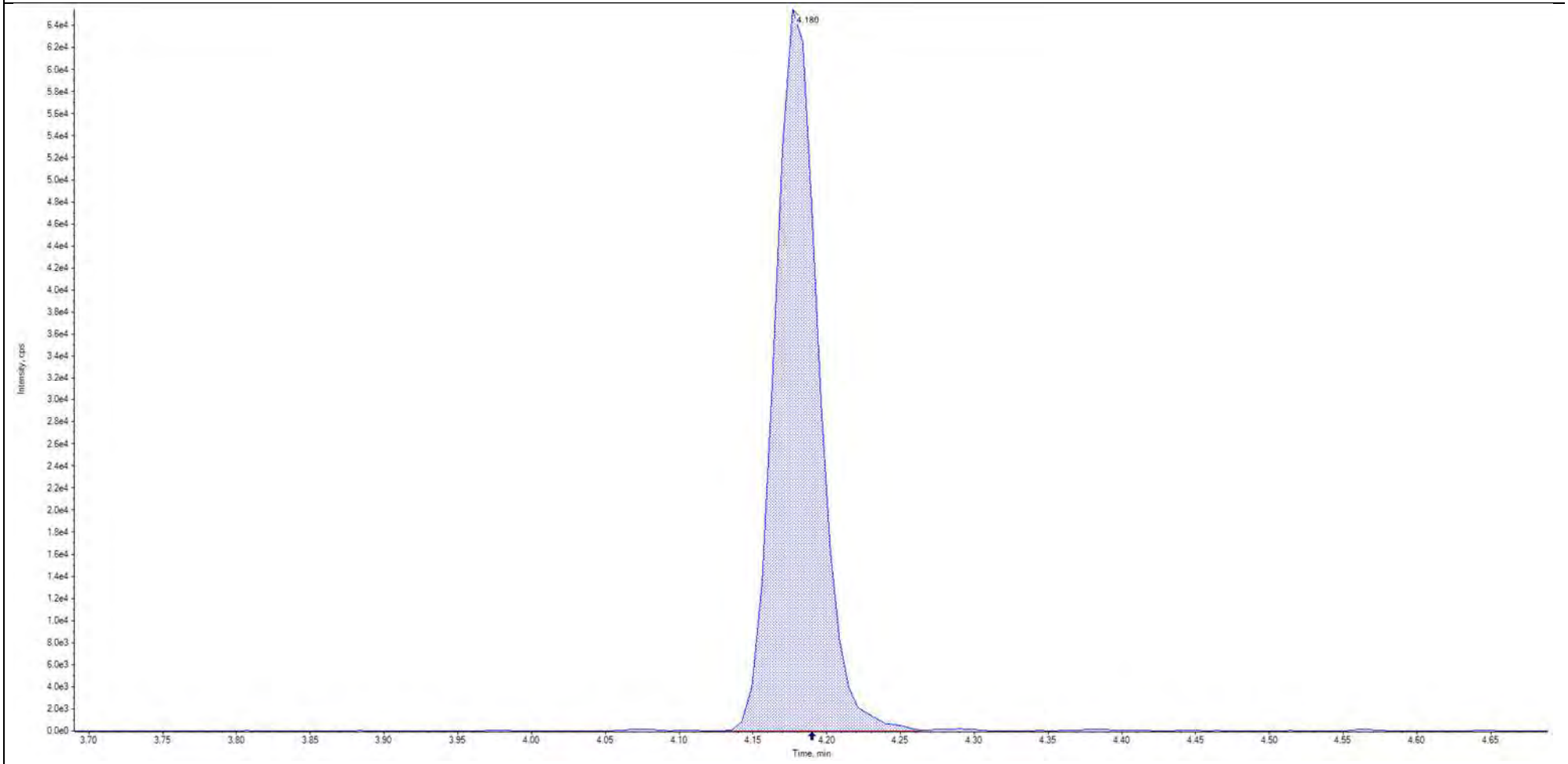
d5-NEtFOSA
Sample: WG2038851-5,1633FMED



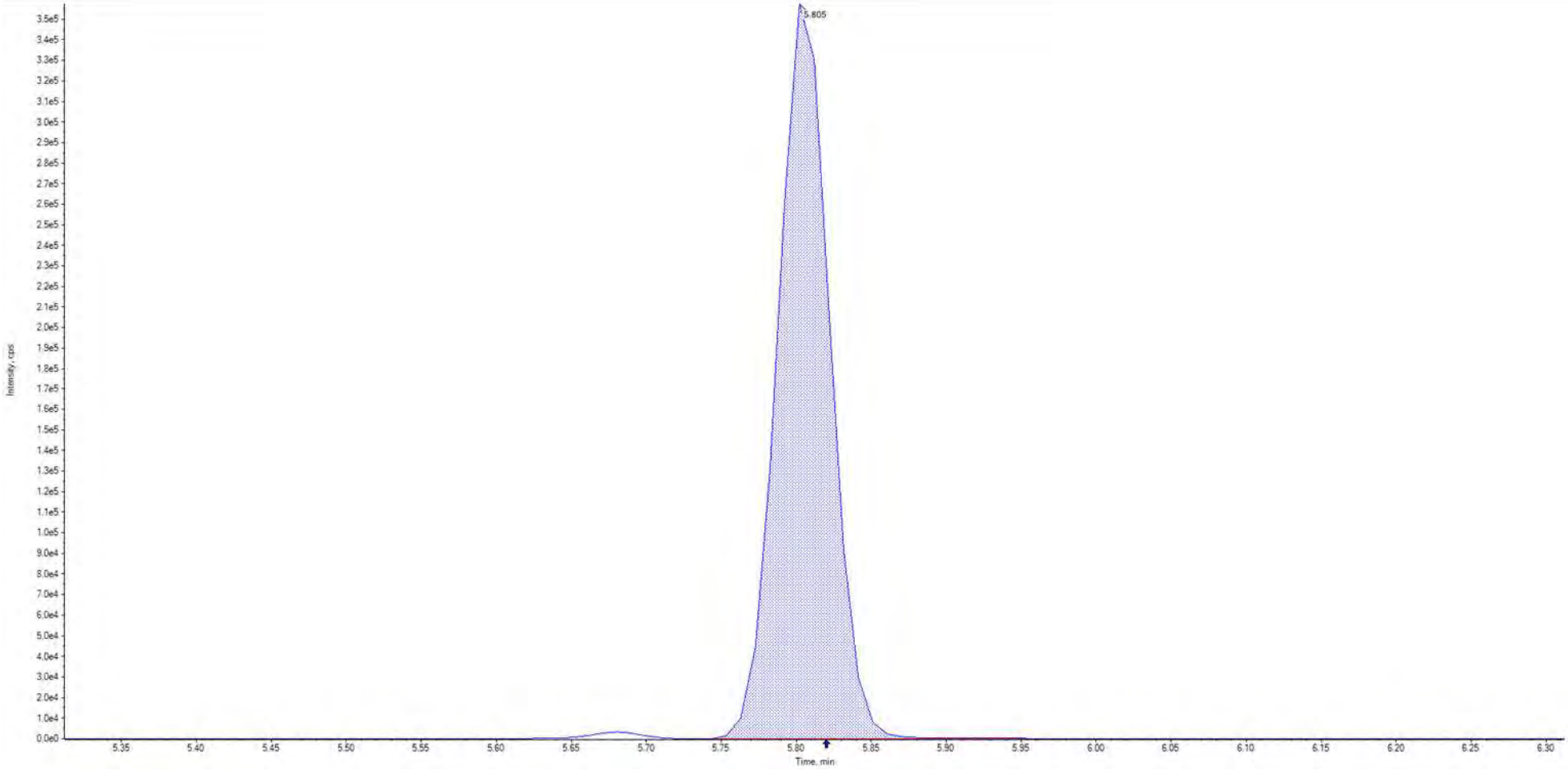
d3-NMeFOSAA
Sample: WG2038851-5,1633FMED



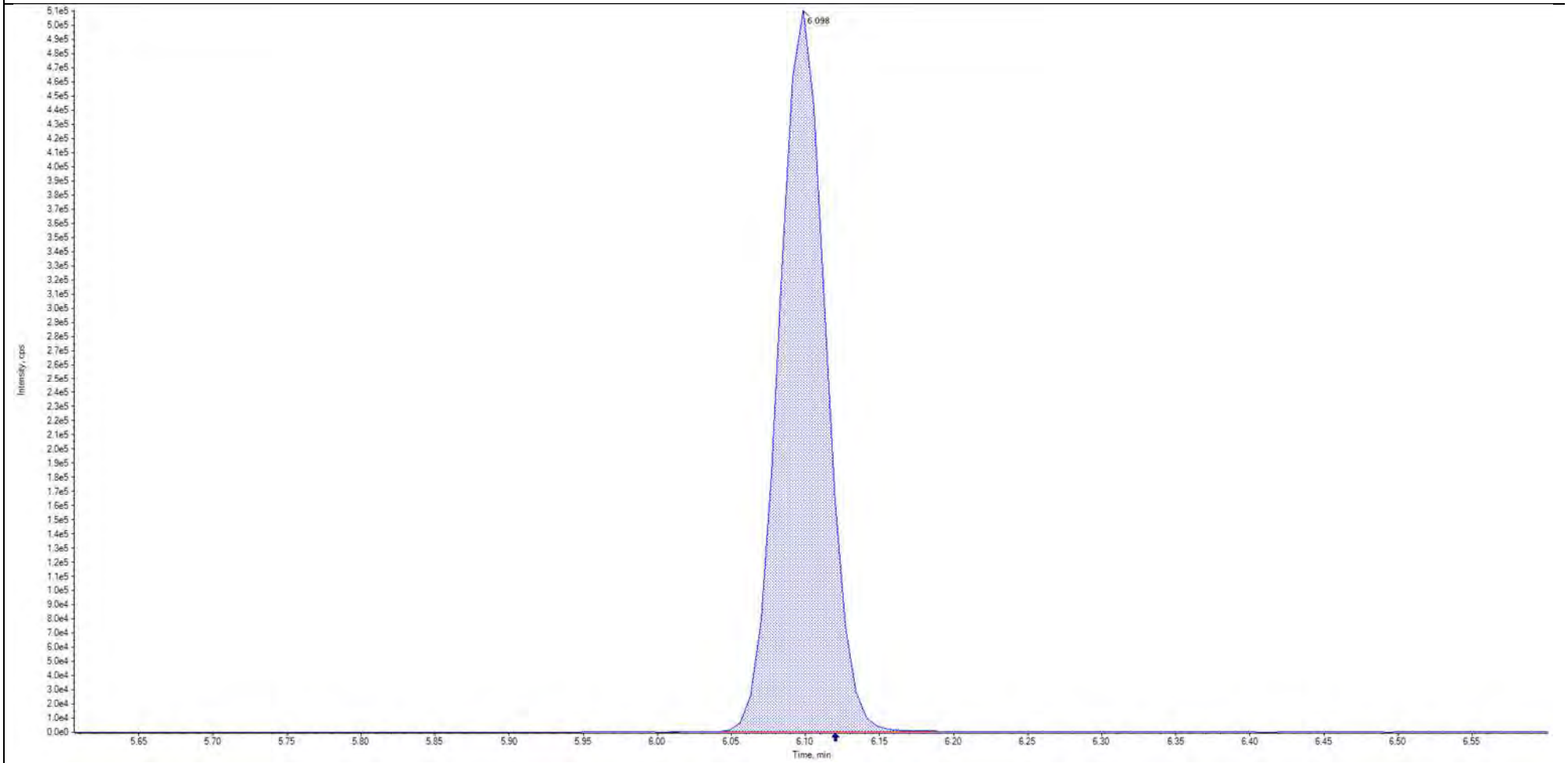
d5-NEtFOSAA
Sample: WG2038851-5,1633FMED



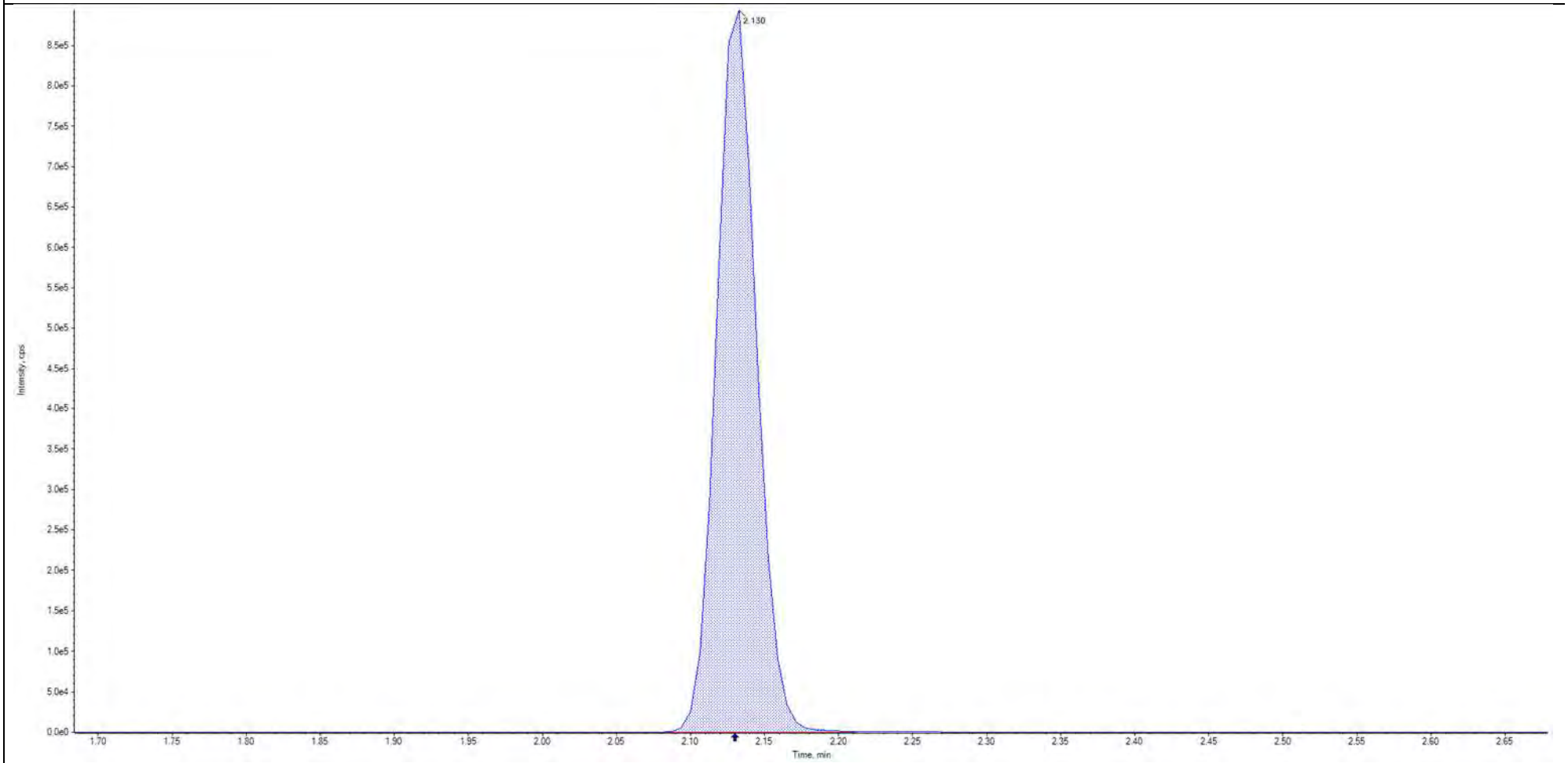
d7-NMeFOSE
Sample: WG2038851-5,1633FMED



d9-NEtFOSE
Sample: WG2038851-5,1633FMED



13C3-HFPO-DA
Sample: WG2038851-5,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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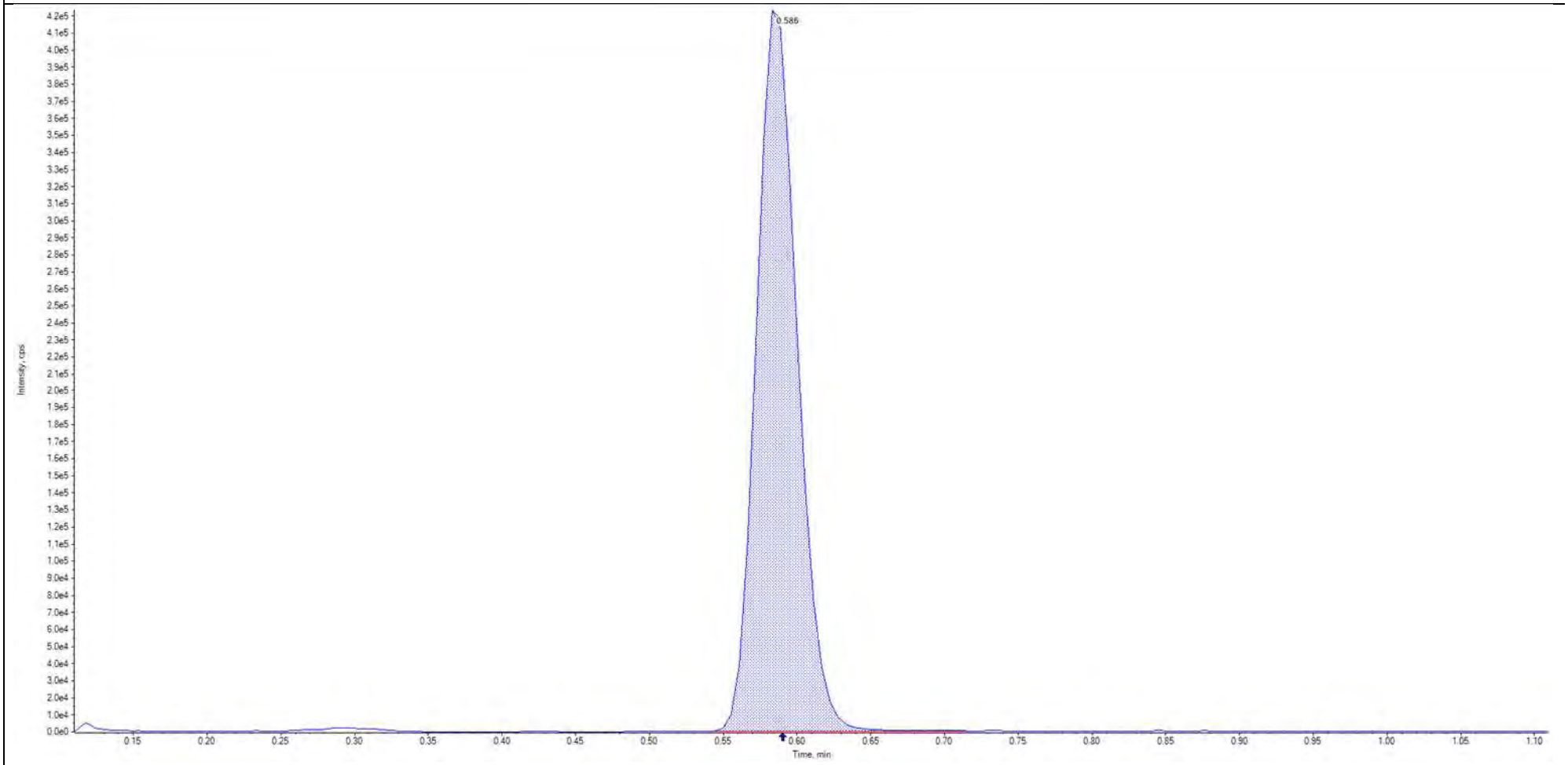
13C3-PFBA
Sample: WG2038851-5,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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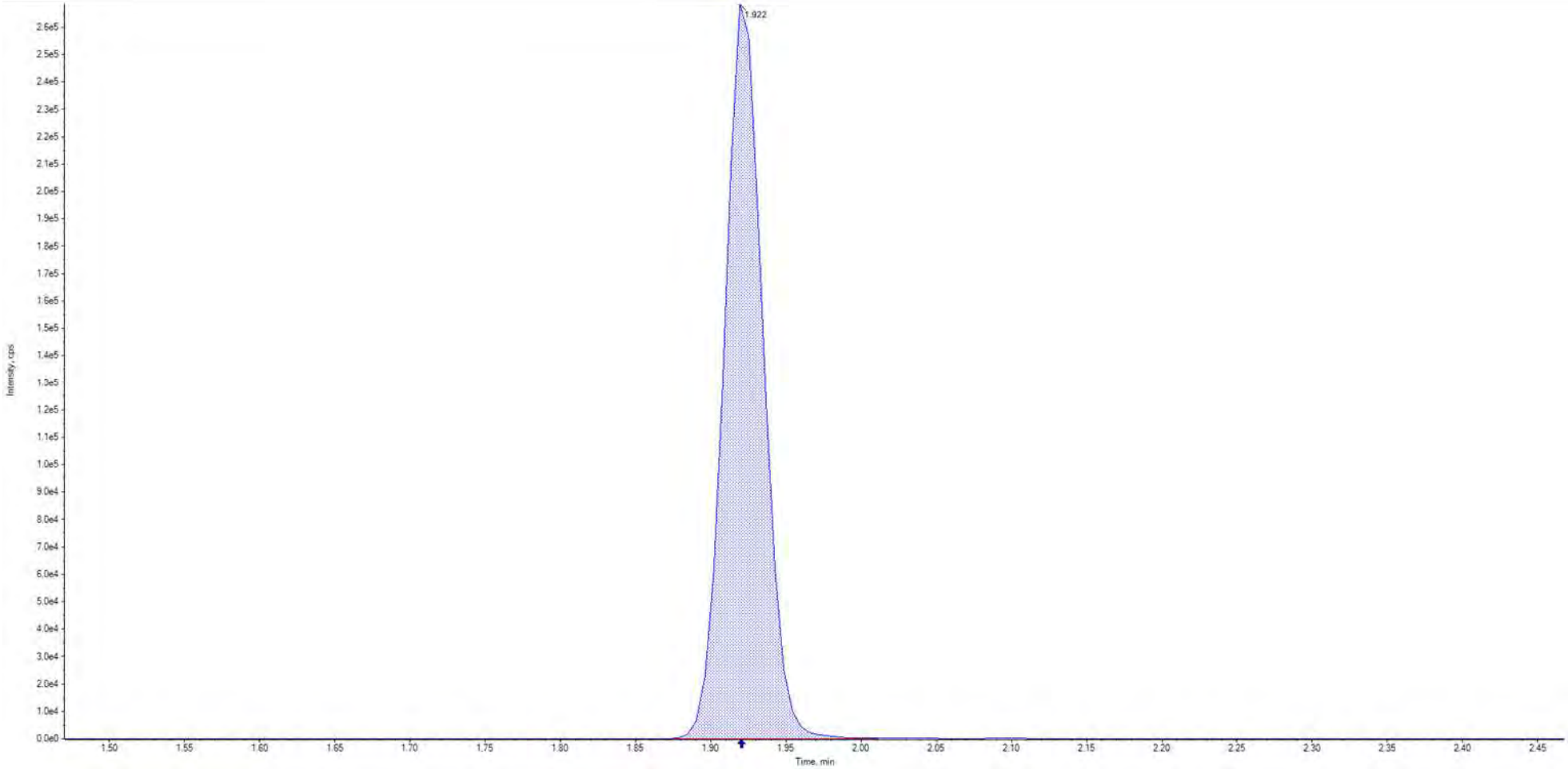
Generated: 3/11/2025 7:33:31 AM

13C2-PFHxA
Sample: WG2038851-5,1633FMED



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Alpha Analytical LLC
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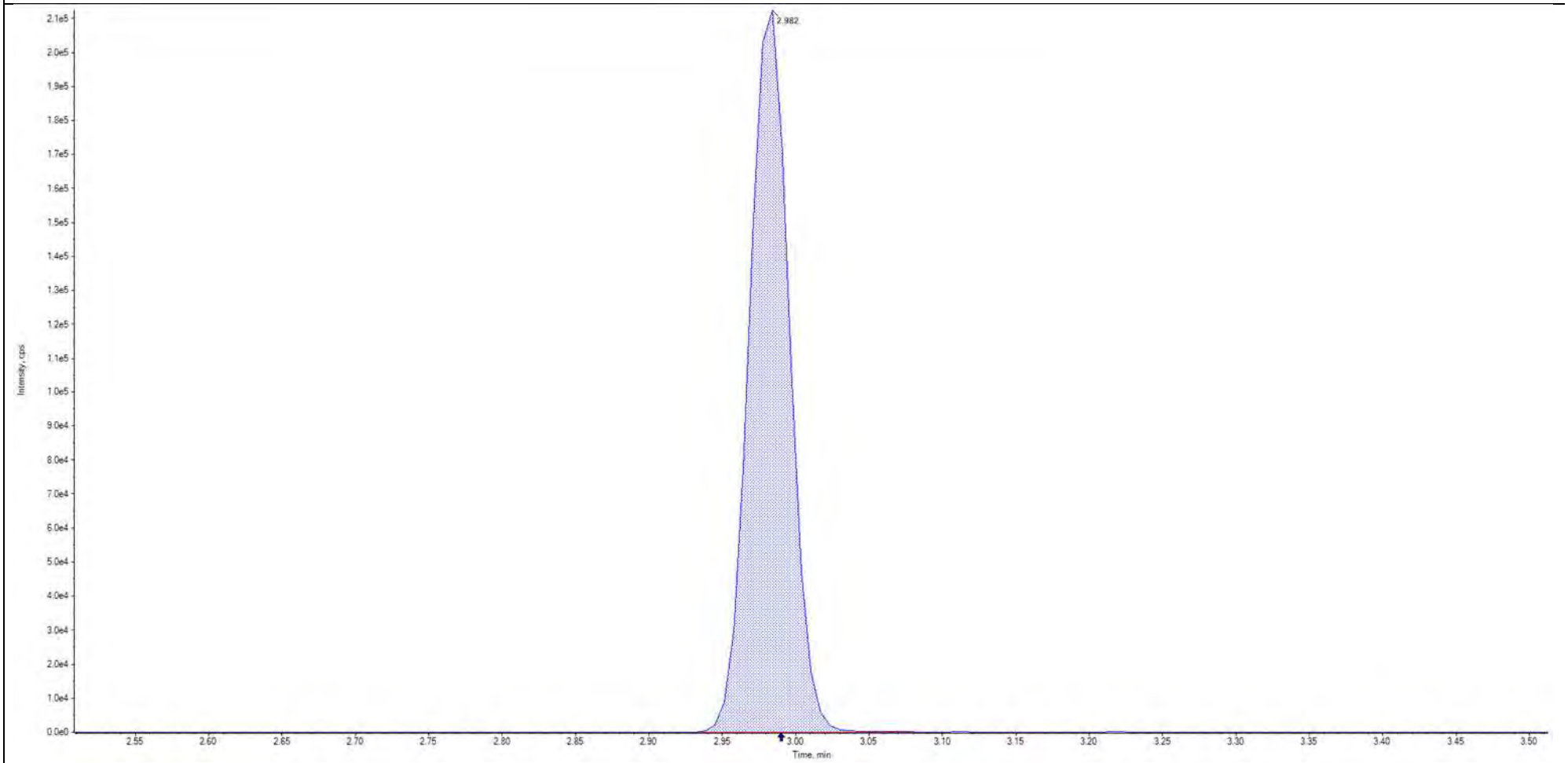
Generated: 3/11/2025 7:33:31 AM

13C4-PFOA
Sample: WG2038851-5,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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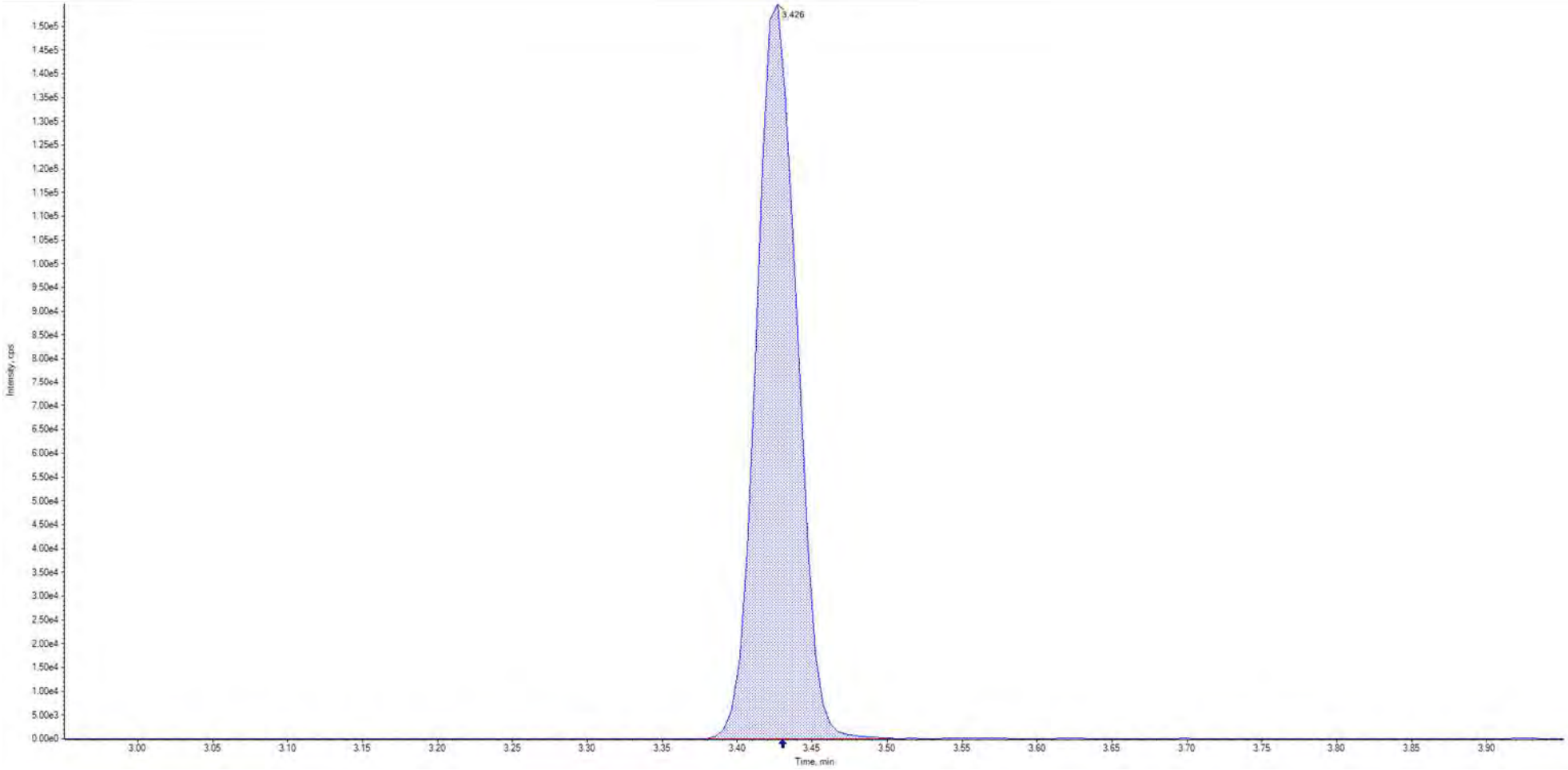
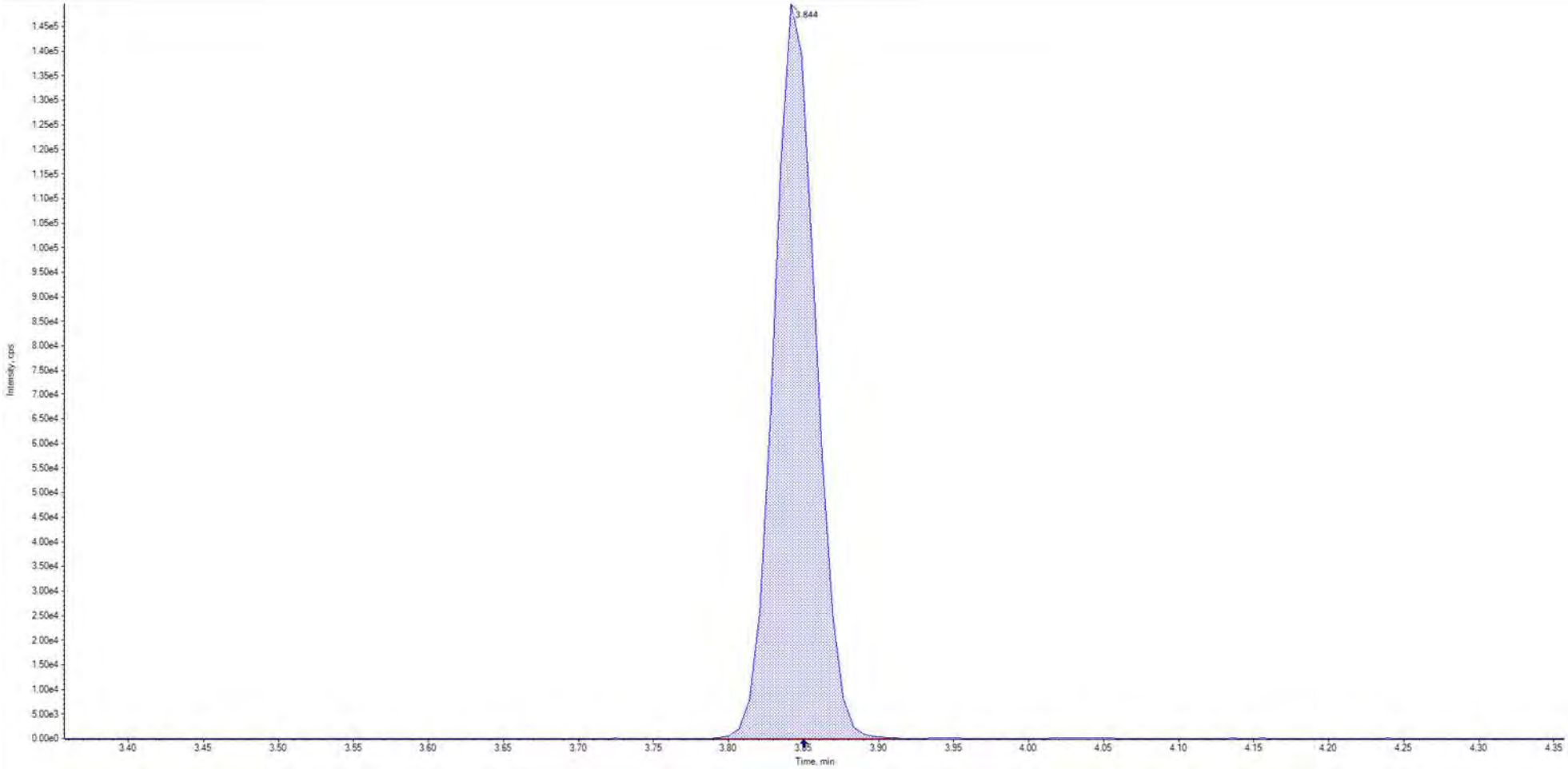
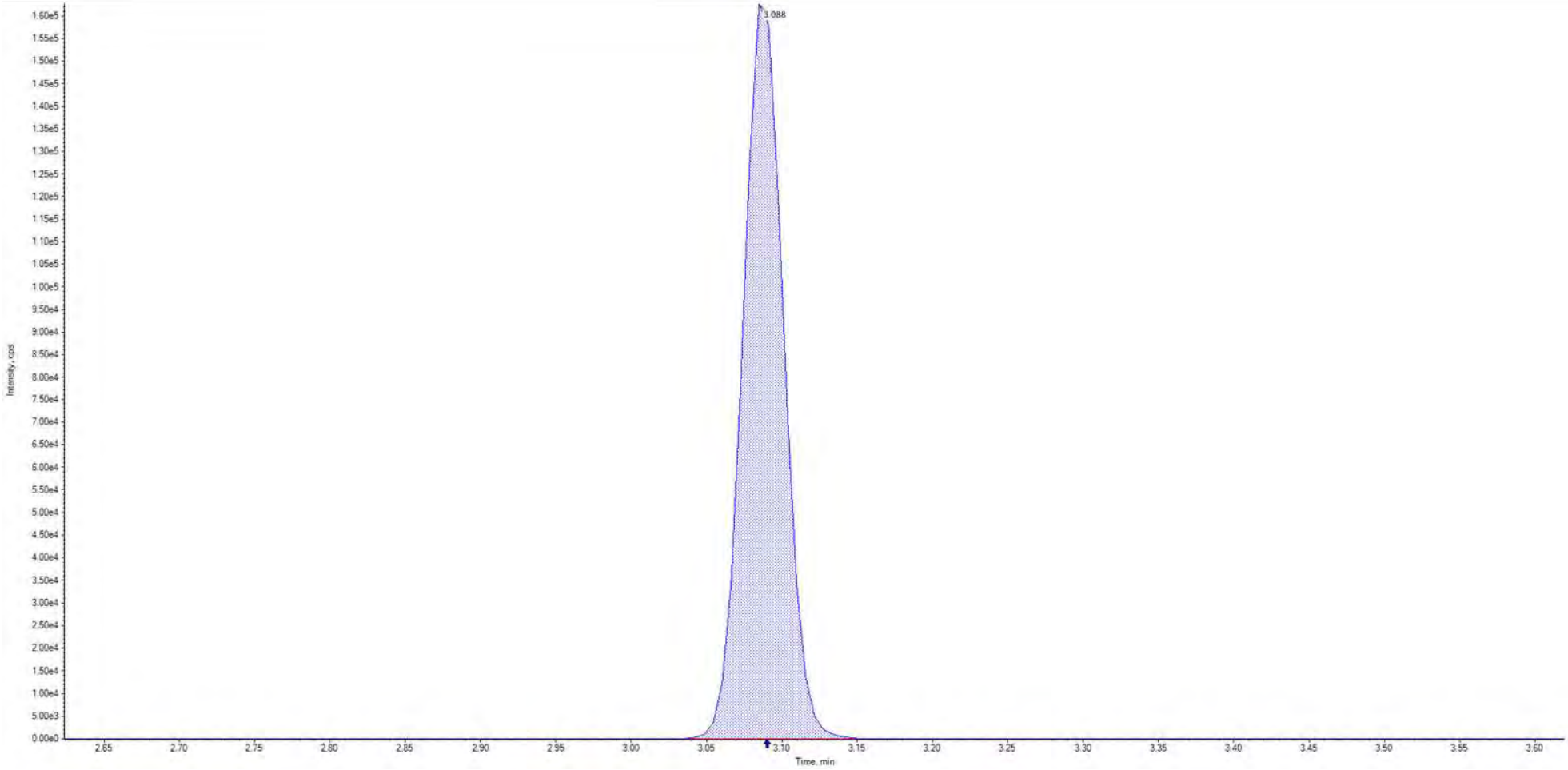
13C5-PFNA
Sample: WG2038851-5,1633FMED



13C2-PFDA
Sample: WG2038851-5,1633FMED



18O2-PFHxS
Sample: WG2038851-5,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 3/11/2025 7:33:31 AM

13C4-PFOS
Sample: WG2038851-5,1633FMED