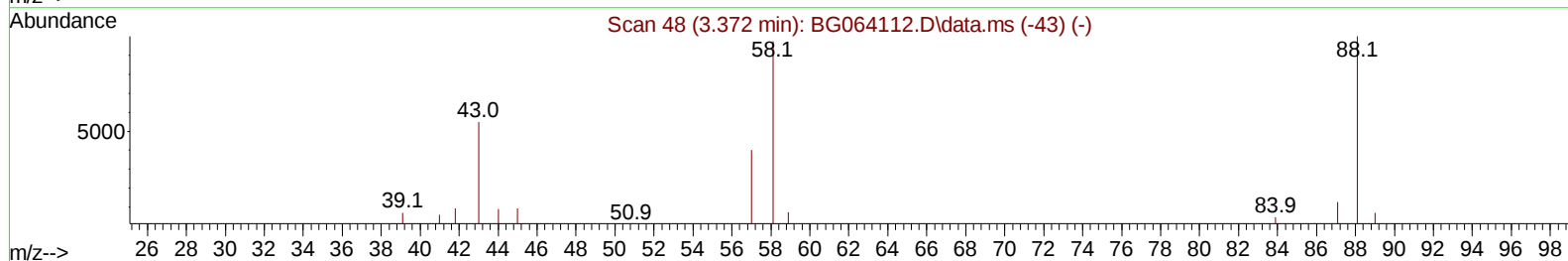
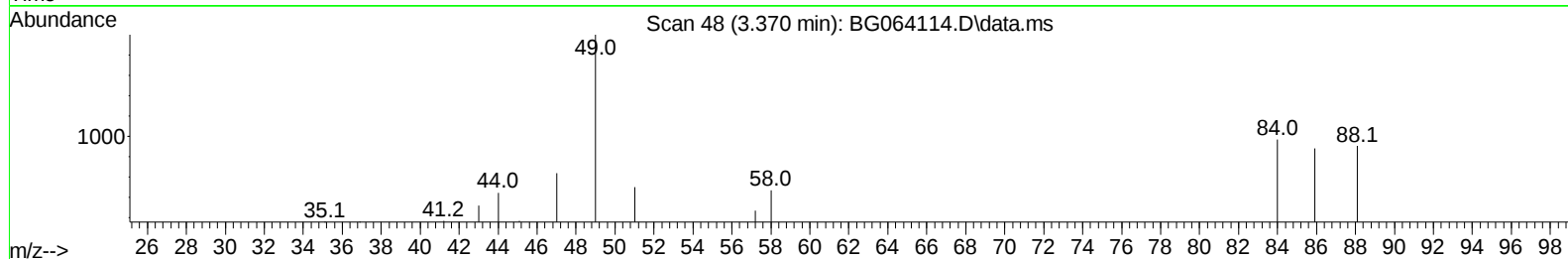
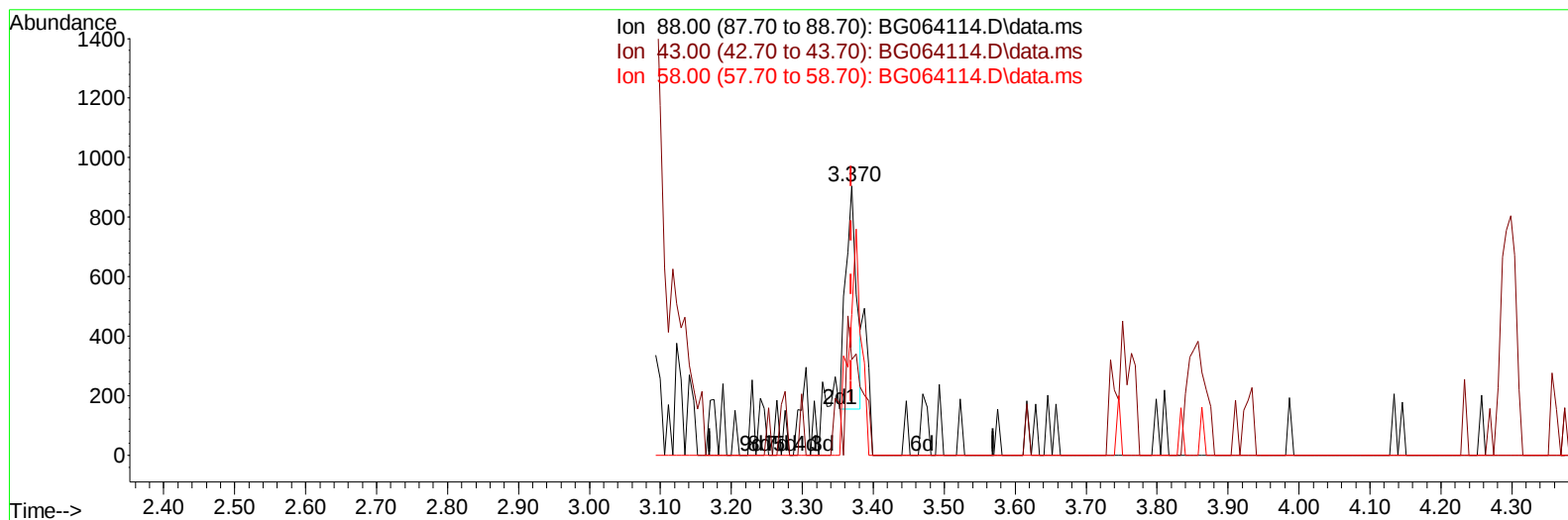


Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG032025\  
Data File : BG064114.D  
Acq On : 20 Mar 2025 10:26  
Operator : RC/JU  
Sample : Q1546-03  
Misc : MDL-SOIL 4 ppm  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 20 15:34:36 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG031425.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Mar 14 14:37:18 2025  
Response via : Initial Calibration



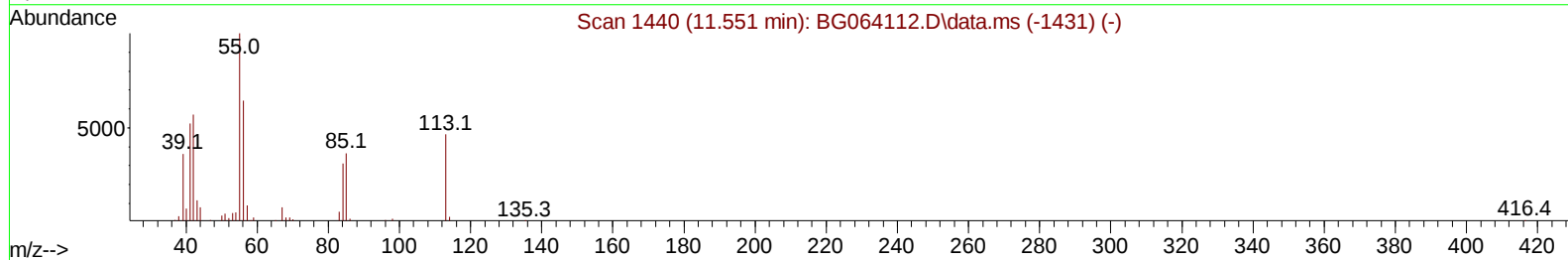
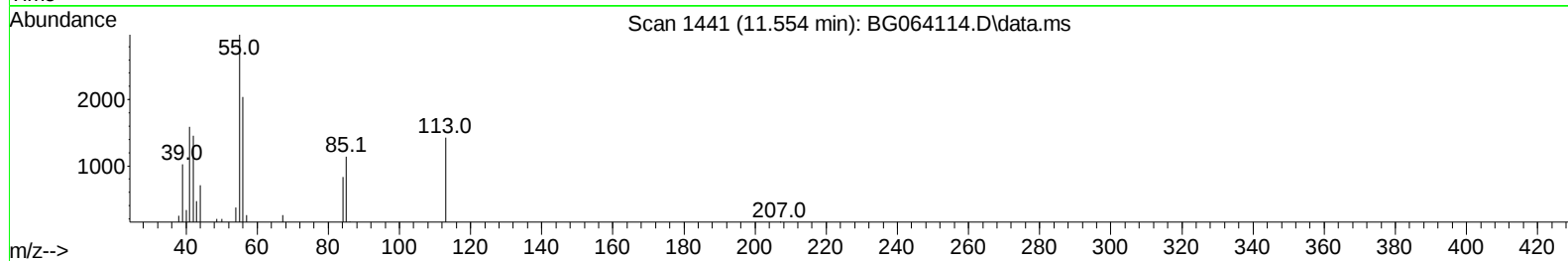
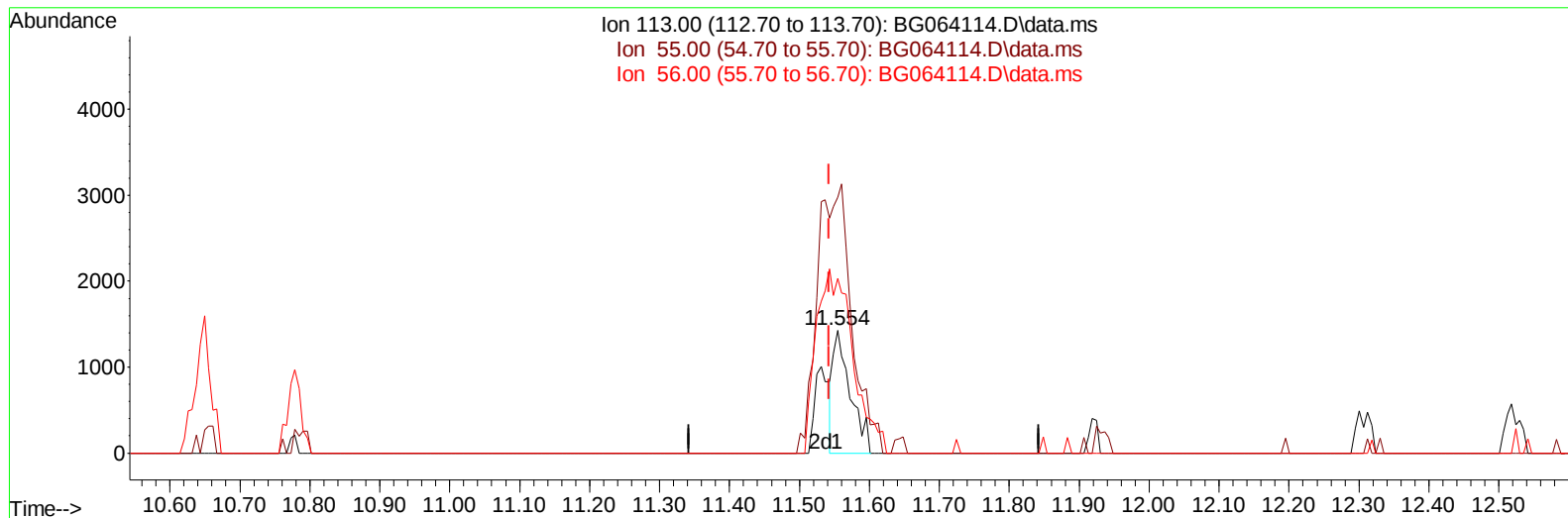
TIC: BG064114.D\data.ms

**(2) 1,4-Dioxane****3.370min (+ 0.000) 1.00 ng/uL****response 812**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 88.00 | 100.00 | 100.00 |
| 43.00 | 48.00  | 35.51# |
| 58.00 | 89.60  | 52.21# |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG032025\  
Data File : BG064114.D  
Acq On : 20 Mar 2025 10:26  
Operator : RC/JU  
Sample : Q1546-03  
Misc : MDL-SOIL 4 ppm  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 20 15:34:36 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG031425.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Mar 14 14:37:18 2025  
Response via : Initial Calibration



TIC: BG064114.D\data.ms

**(34) Caprolactam**

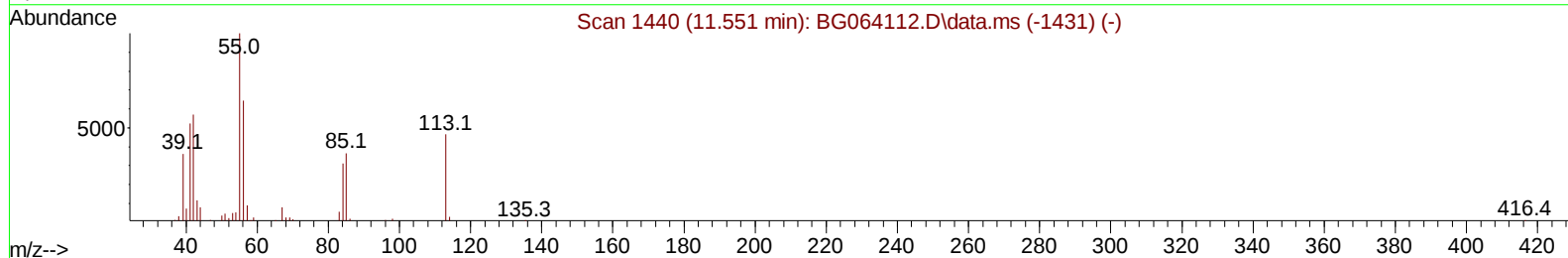
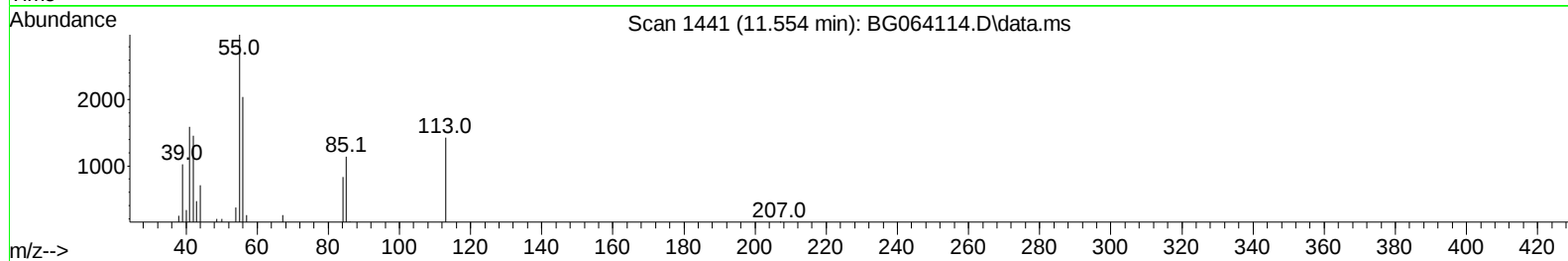
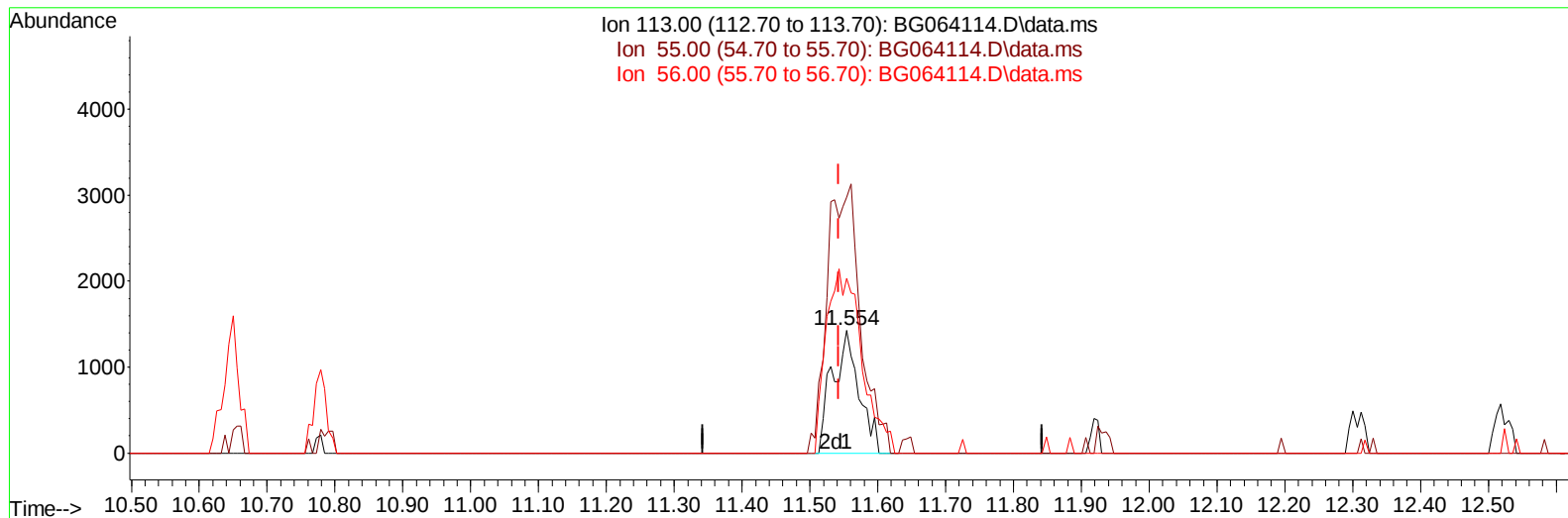
**11.554min (+ 0.012) 3.17 ng/ul**

**response 2475**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 244.40 | 208.11 |
| 56.00  | 170.50 | 142.28 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG032025\  
Data File : BG064114.D  
Acq On : 20 Mar 2025 10:26  
Operator : RC/JU  
Sample : Q1546-03  
Misc : MDL-SOIL 4 ppm  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 20 15:34:36 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG031425.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Mar 14 14:37:18 2025  
Response via : Initial Calibration



TIC: BG064114.D\data.ms

**(34) Caprolactam**

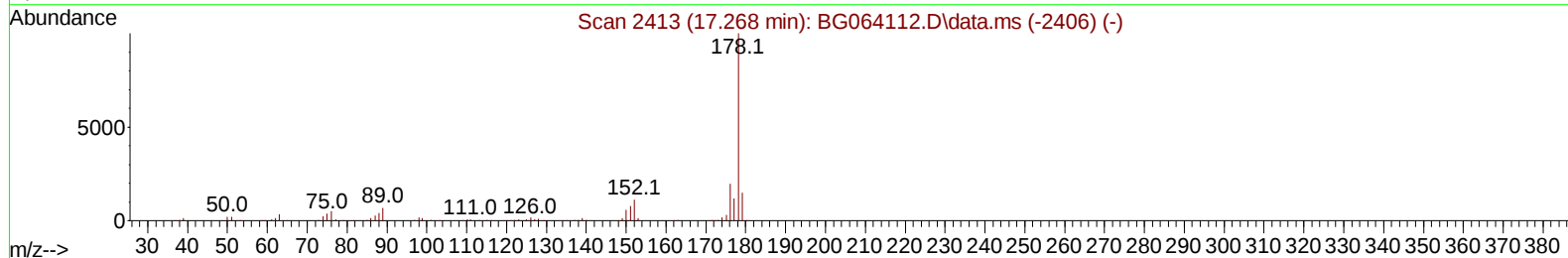
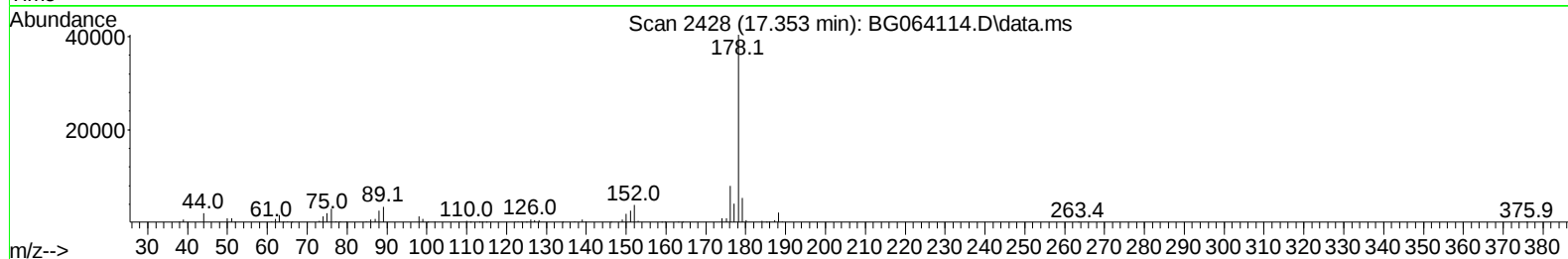
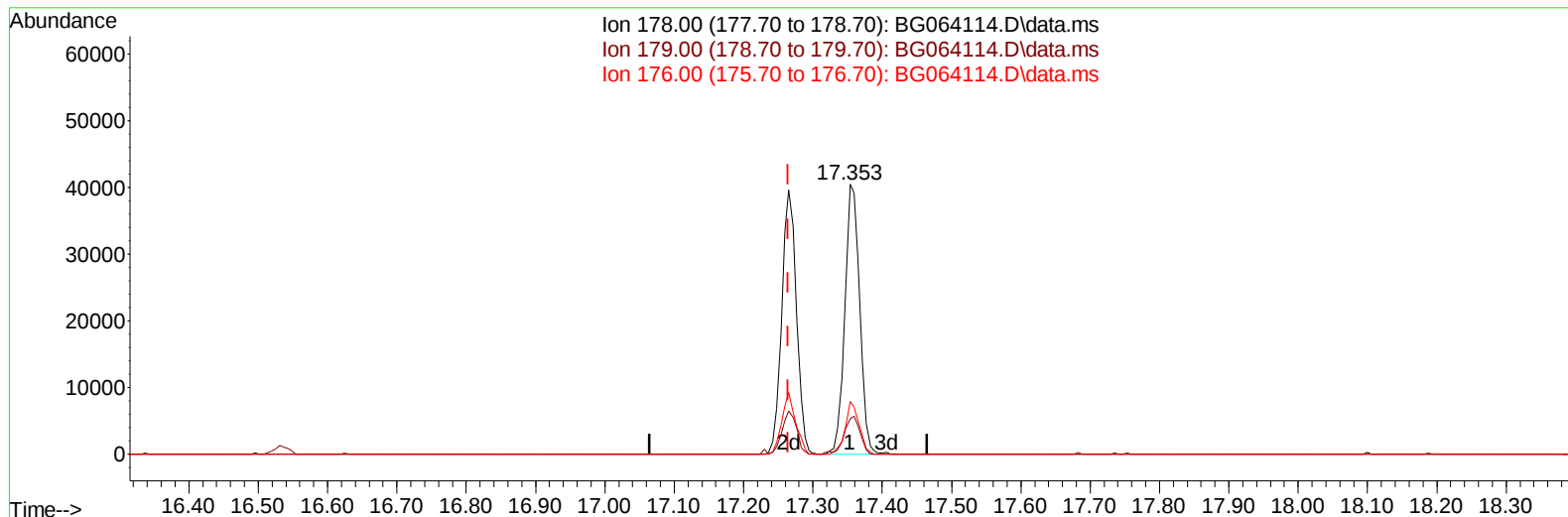
**11.554min (+ 0.012) 4.97 ng/ul m**

**response 3883**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 244.40 | 208.11 |
| 56.00  | 170.50 | 142.28 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG032025\  
Data File : BG064114.D  
Acq On : 20 Mar 2025 10:26  
Operator : RC/JU  
Sample : Q1546-03  
Misc : MDL-SOIL 4 ppm  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 20 15:34:36 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG031425.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Mar 14 14:37:18 2025  
Response via : Initial Calibration



TIC: BG064114.D\data.ms

(72) Phenanthrene

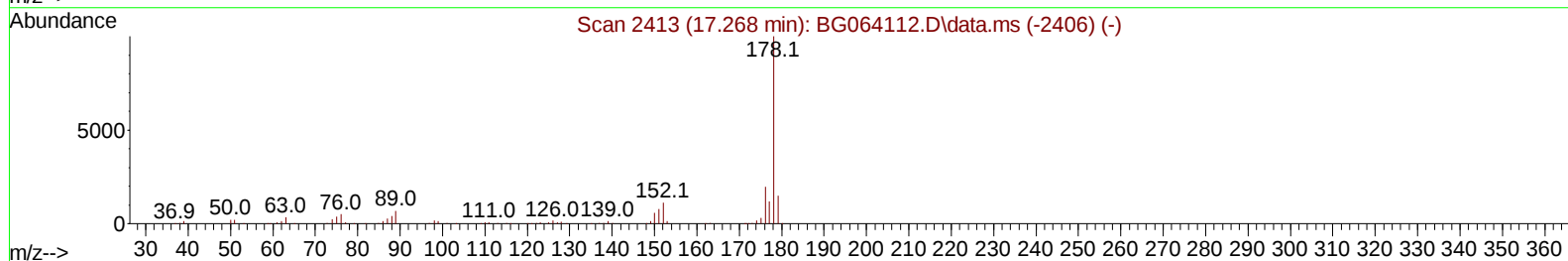
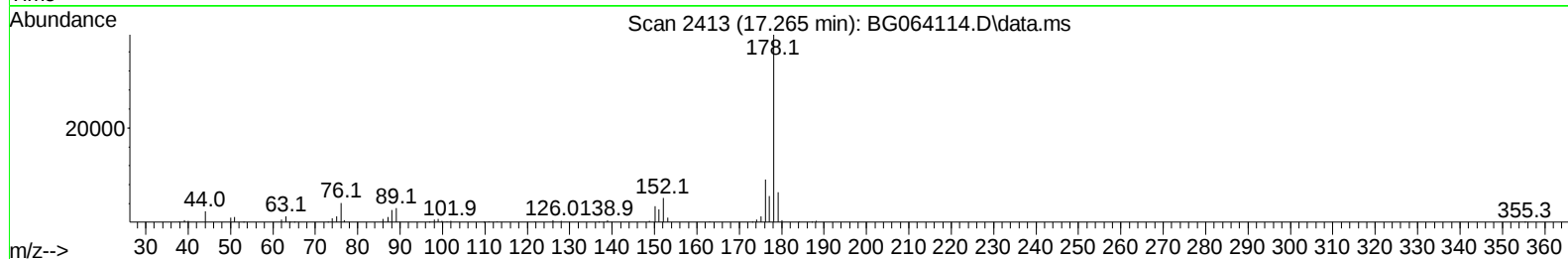
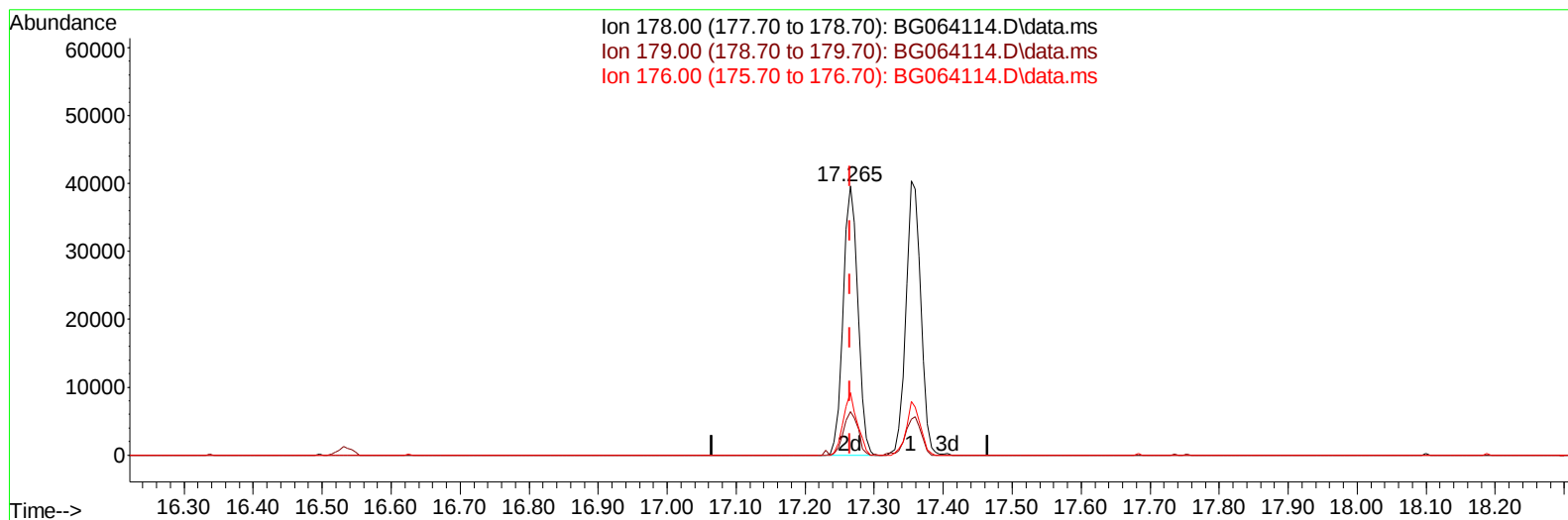
17.353min (+ 0.088) 4.81 ng/u1

response 60213

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 15.20  | 13.16  |
| 176.00 | 18.90  | 19.49  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG032025\  
Data File : BG064114.D  
Acq On : 20 Mar 2025 10:26  
Operator : RC/JU  
Sample : Q1546-03  
Misc : MDL-SOIL 4 ppm  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 20 15:34:36 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG031425.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Mar 14 14:37:18 2025  
Response via : Initial Calibration



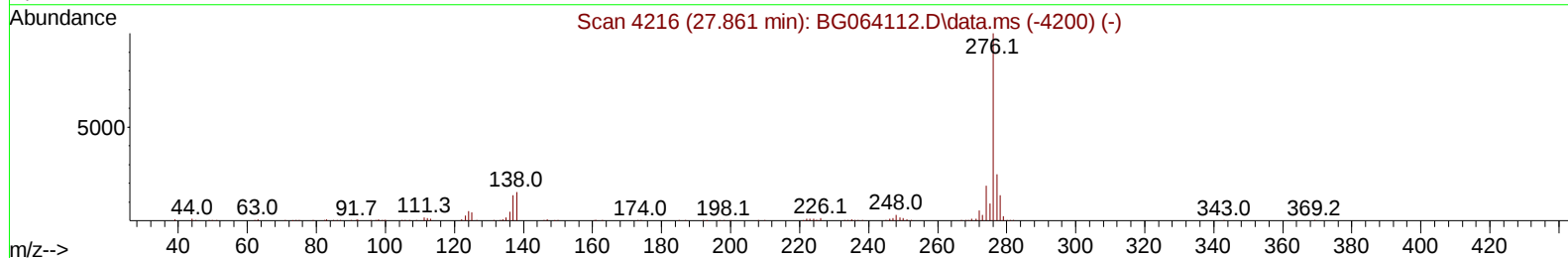
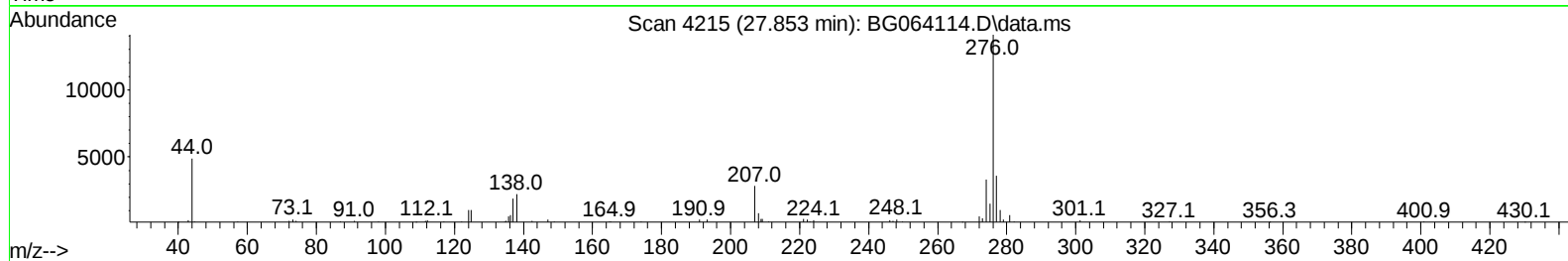
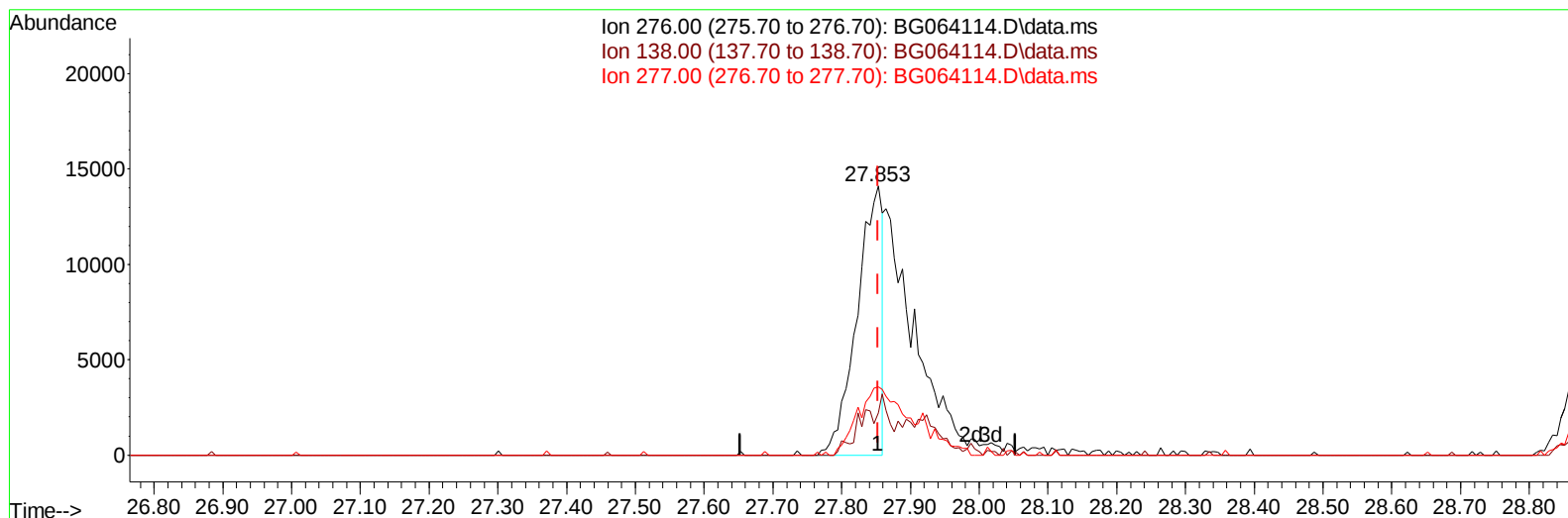
TIC: BG064114.D\data.ms

**(72) Phenanthrene****17.265min (+ 0.000) 4.65 ng/ul m****response 58266**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 15.20  | 16.16  |
| 176.00 | 18.90  | 23.14# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG032025\  
Data File : BG064114.D  
Acq On : 20 Mar 2025 10:26  
Operator : RC/JU  
Sample : Q1546-03  
Misc : MDL-SOIL 4 ppm  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 20 15:34:36 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG031425.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Mar 14 14:37:18 2025  
Response via : Initial Calibration



TIC: BG064114.D\data.ms

**(94) Indeno(1,2,3-cd)pyrene**

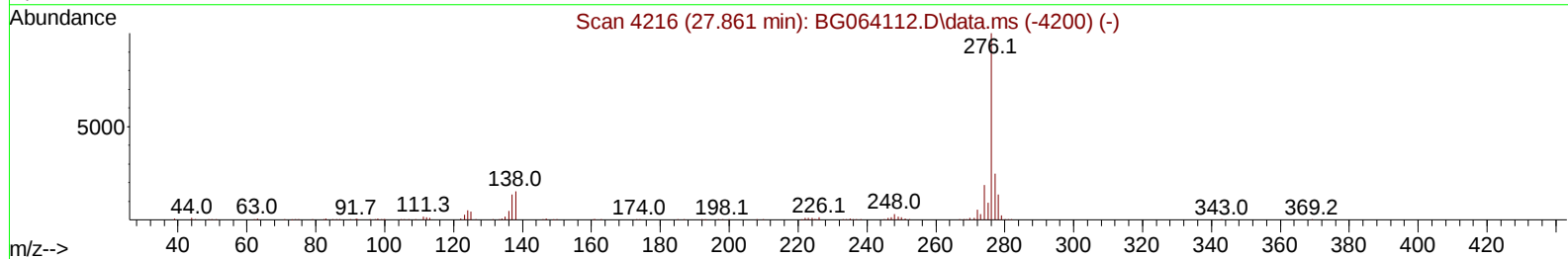
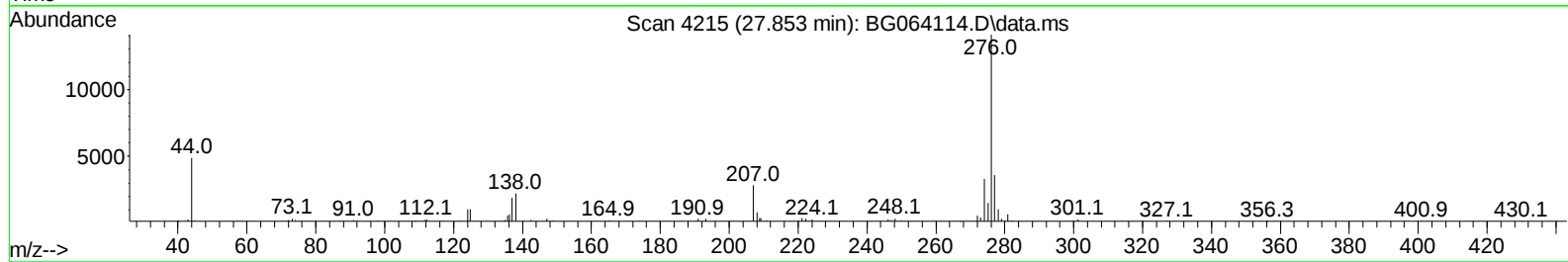
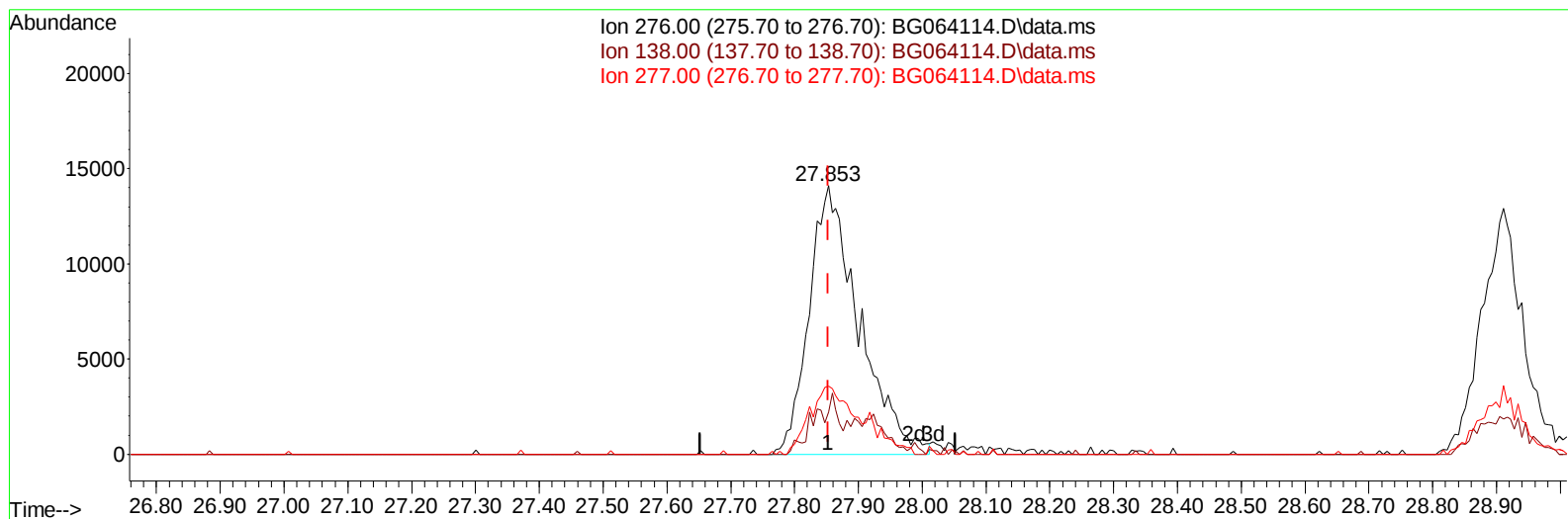
**27.853min (+ 0.000) 2.26 ng/u1**

**response 36069**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 15.60  | 15.81  |
| 277.00 | 24.30  | 25.47  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG032025\  
Data File : BG064114.D  
Acq On : 20 Mar 2025 10:26  
Operator : RC/JU  
Sample : Q1546-03  
Misc : MDL-SOIL 4 ppm  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 20 15:34:36 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG031425.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Mar 14 14:37:18 2025  
Response via : Initial Calibration



TIC: BG064114.D\data.ms

**(94) Indeno(1,2,3-cd)pyrene**

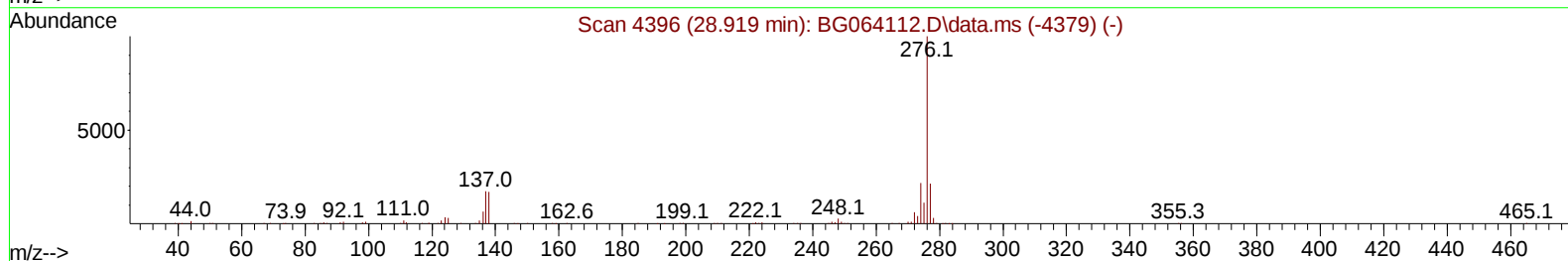
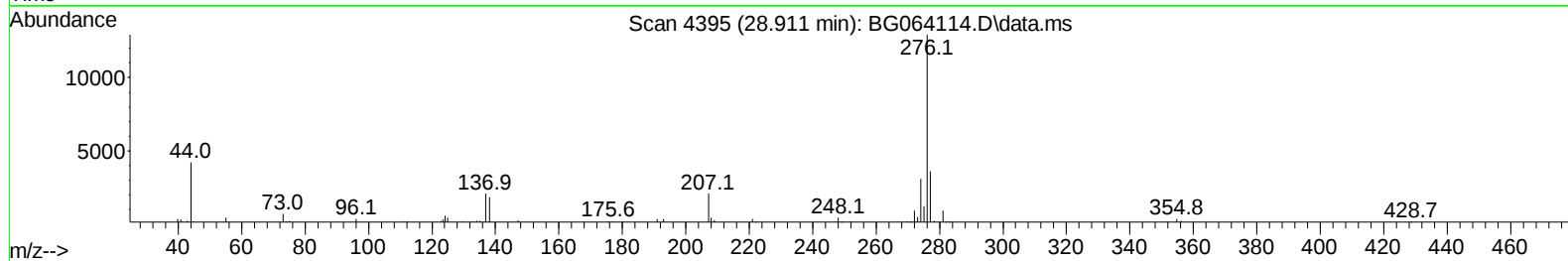
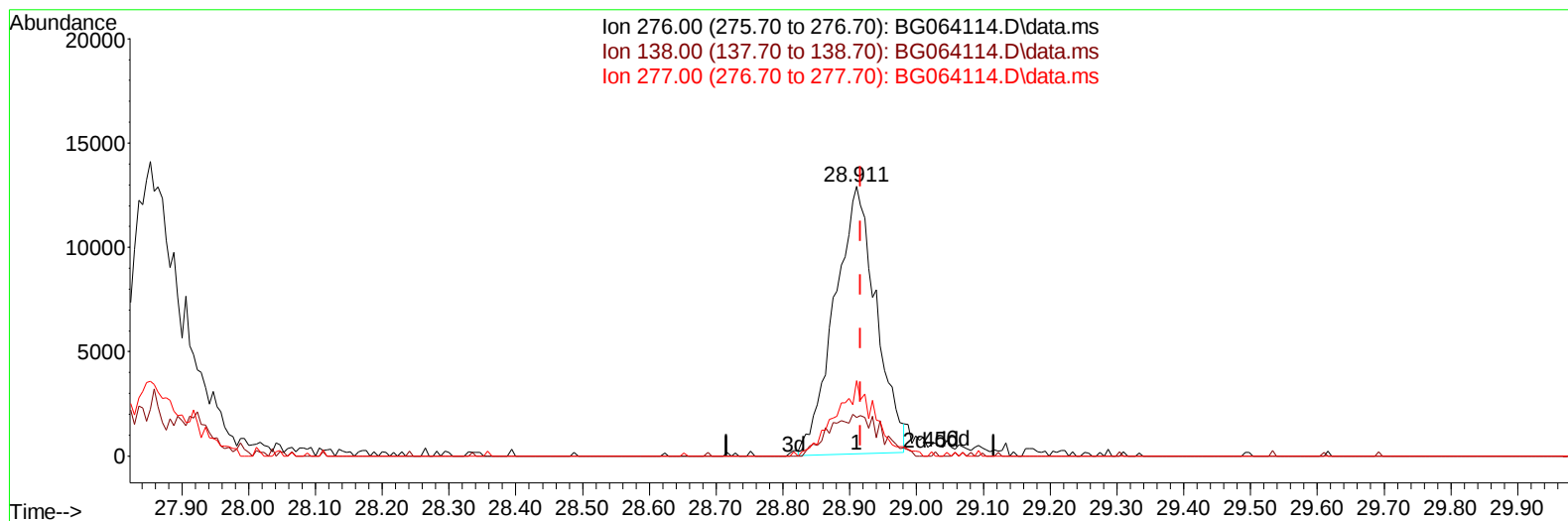
**27.853min (+ 0.000) 4.79 ng/ul m**

**response 76279**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 15.60  | 15.81  |
| 277.00 | 24.30  | 25.47  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG032025\  
Data File : BG064114.D  
Acq On : 20 Mar 2025 10:26  
Operator : RC/JU  
Sample : Q1546-03  
Misc : MDL-SOIL 4 ppm  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 20 15:34:36 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG031425.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Mar 14 14:37:18 2025  
Response via : Initial Calibration



TIC: BG064114.D\data.ms

**(96) Benzo(g,h,i)perylene**

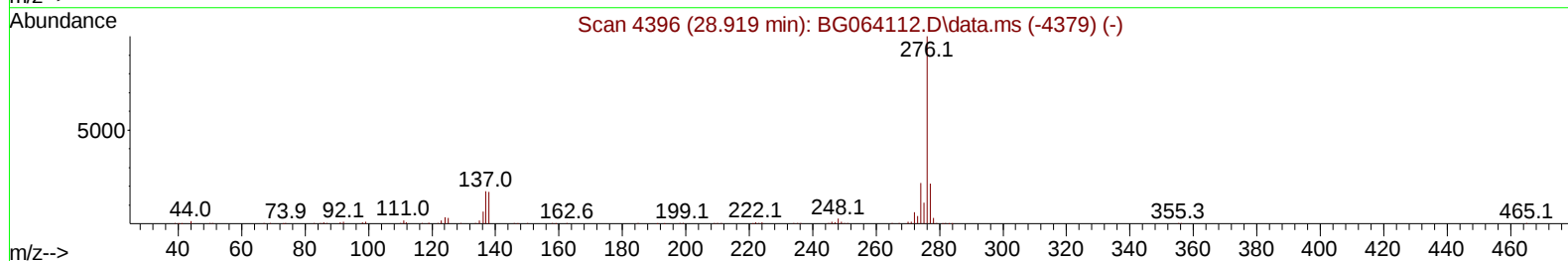
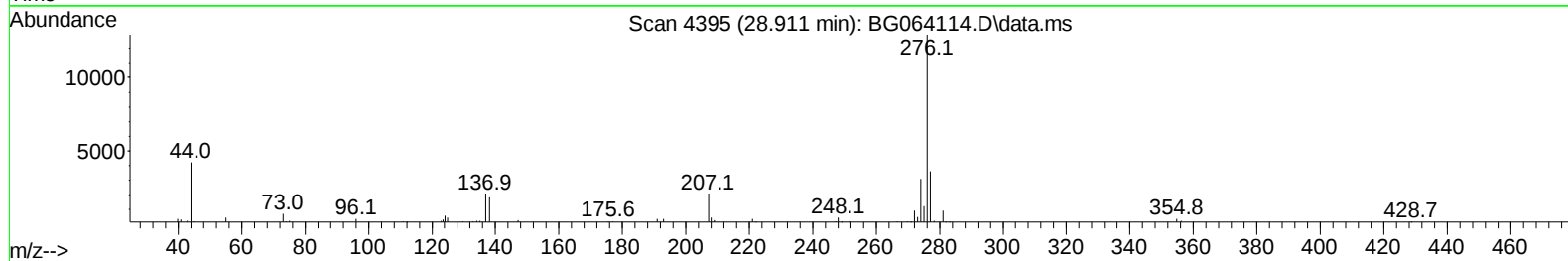
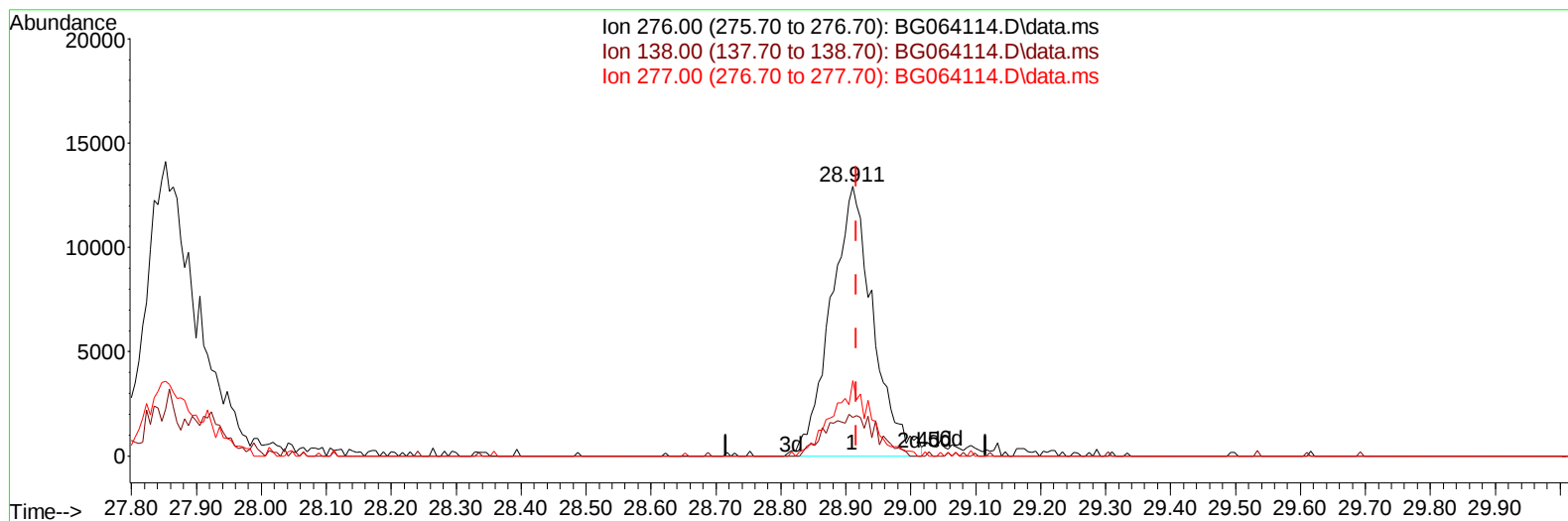
**28.911min (-0.006) 4.51 ng/u1**

**response 55663**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 16.70  | 14.35  |
| 277.00 | 23.90  | 27.87  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG032025\  
Data File : BG064114.D  
Acq On : 20 Mar 2025 10:26  
Operator : RC/JU  
Sample : Q1546-03  
Misc : MDL-SOIL 4 ppm  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 20 15:34:36 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG031425.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Mar 14 14:37:18 2025  
Response via : Initial Calibration



TIC: BG064114.D\data.ms

**(96) Benzo(g,h,i)perylene**

**28.911min (-0.006) 4.74 ng/ul m**

**response 58547**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 16.70  | 14.35  |
| 277.00 | 23.90  | 27.87  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG032025\  
 Data File : BG064114.D  
 Acq On : 20 Mar 2025 10:26  
 Operator : RC/JU  
 Sample : Q1546-03  
 Misc : MDL-SOIL 4 ppm  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 20 15:38:08 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG031425.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 14 14:37:18 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.865  | 152  | 28638    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.650 | 136  | 131332   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.486 | 164  | 98697    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.224 | 188  | 224047   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.455 | 240  | 205392   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.469 | 264  | 218230   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.335  | 96   | 2847     | 3.980  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.740  | 84   | 49669    | 24.169 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.024  | 99   | 64780    | 25.000 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.195  | 67   | 42144    | 25.810 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.395  | 132  | 50843    | 24.587 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.558  | 113  | 52278    | 23.783 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.010  | 128  | 25253    | 25.637 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.733  | 143  | 26302    | 25.425 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.268 | 165  | 50857    | 24.380 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.779 | 131  | 79122    | 27.052 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.893 | 166  | 202363   | 26.125 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.175 | 160  | 225389   | 26.166 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.668 | 143  | 28303    | 21.747 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.479 | 176  | 179676   | 26.910 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.585 | 200  | 22497    | 18.619 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.324 | 188  | 283147   | 25.202 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.610 | 212  | 327145   | 28.870 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.263 | 264  | 322722   | 28.375 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.370  | 88   | 812      | 1.002  | ng/ul# | 68       |
| 5) Pyridine                   | 3.764  | 79   | 9494     | 4.456  | ng/ul# | 75       |
| 6) Benzaldehyde               | 7.001  | 77   | 7629     | 5.008  | ng/ul  | 99       |
| 8) Phenol                     | 7.054  | 94   | 12135    | 4.490  | ng/ul  | 94       |
| 10) Bis(2-Chloroethyl)ether   | 7.289  | 93   | 10172    | 4.979  | ng/ul  | 97       |
| 12) 2-Chlorophenol            | 7.424  | 128  | 10317    | 4.924  | ng/ul  | 96       |
| 13) 2-Methylphenol            | 8.294  | 108  | 9032     | 4.308  | ng/ul  | 89       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.382  | 45   | 23276    | 4.862  | ng/ul  | 99       |
| 16) Acetophenone              | 8.675  | 105  | 16639    | 4.650  | ng/ul  | 87       |
| 17) N-Nitroso-di-n-propyla... | 8.658  | 70   | 9102     | 4.775  | ng/ul# | 83       |
| 18) 4-Methylphenol            | 8.623  | 108  | 10704    | 4.606  | ng/ul  | 90       |
| 19) Hexachloroethane          | 8.940  | 117  | 4073     | 4.456  | ng/ul# | 70       |
| 22) Nitrobenzene              | 9.051  | 77   | 12770    | 4.807  | ng/ul# | 81       |
| 23) Isophorone                | 9.574  | 82   | 23813    | 4.639  | ng/ul  | 97       |
| 25) 2-Nitrophenol             | 9.762  | 139  | 5034     | 4.569  | ng/ul# | 88       |
| 26) 2,4-Dimethylphenol        | 9.827  | 107  | 6041     | 2.426  | ng/ul  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.062 | 93   | 13705    | 4.737  | ng/ul  | 91       |
| 29) 2,4-Dichlorophenol        | 10.291 | 162  | 9207     | 4.539  | ng/ul# | 91       |
| 30) Naphthalene               | 10.697 | 128  | 35225    | 4.931  | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.802 | 127  | 13226    | 4.681  | ng/ul# | 87       |
| 33) Hexachlorobutadiene       | 10.996 | 225  | 8072     | 5.198  | ng/ul  | 94       |
| 34) Caprolactam               | 11.554 | 113  | 3883m    | 4.969  | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.925 | 107  | 11791    | 4.625  | ng/ul  | 96       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG032025\  
 Data File : BG064114.D  
 Acq On : 20 Mar 2025 10:26  
 Operator : RC/JU  
 Sample : Q1546-03  
 Misc : MDL-SOIL 4 ppm  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 20 15:38:08 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG031425.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 14 14:37:18 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.306 | 142  | 26323    | 5.100 | ng/ul  | 90       |
| 37) 1-Methylnaphthalene       | 12.524 | 142  | 24512    | 4.675 | ng/ul  | 93       |
| 39) 1,2,4,5-Tetrachloroben... | 12.677 | 216  | 13557    | 4.551 | ng/ul# | 94       |
| 40) Hexachlorocyclopentadiene | 12.665 | 237  | 7093     | 4.275 | ng/ul  | 89       |
| 41) 2,4,6-Trichlorophenol     | 12.918 | 196  | 8392     | 4.457 | ng/ul# | 78       |
| 42) 2,4,5-Trichlorophenol     | 12.982 | 196  | 8627     | 4.230 | ng/ul  | 90       |
| 43) 1,1'-Biphenyl             | 13.317 | 154  | 37416    | 4.949 | ng/ul  | 96       |
| 44) 2-Chloronaphthalene       | 13.358 | 162  | 26526    | 4.661 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.552 | 65   | 7687     | 3.974 | ng/ul  | 96       |
| 47) Dimethylphthalate         | 13.940 | 163  | 35297    | 4.822 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.057 | 165  | 5833     | 4.247 | ng/ul# | 86       |
| 50) Acenaphthylene            | 14.204 | 152  | 44178    | 4.993 | ng/ul  | 95       |
| 51) 3-Nitroaniline            | 14.381 | 138  | 5685     | 4.099 | ng/ul  | 90       |
| 52) Acenaphthene              | 14.551 | 153  | 32652    | 5.012 | ng/ul  | 95       |
| 53) 2,4-Dinitrophenol         | 14.586 | 184  | 2368     | 3.403 | ng/ul# | 85       |
| 55) 4-Nitrophenol             | 14.686 | 109  | 6194     | 4.196 | ng/ul  | 90       |
| 56) Dibenzofuran              | 14.880 | 168  | 45618    | 5.010 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.839 | 165  | 9154     | 4.340 | ng/ul# | 92       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.109 | 232  | 8289     | 4.490 | ng/ul# | 95       |
| 59) Diethylphthalate          | 15.309 | 149  | 39108    | 4.964 | ng/ul  | 93       |
| 61) Fluorene                  | 15.532 | 166  | 38514    | 5.178 | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.526 | 204  | 18381    | 4.982 | ng/ul  | 95       |
| 63) 4-Nitroaniline            | 15.538 | 138  | 5330     | 3.677 | ng/ul  | 96       |
| 66) 4,6-Dinitro-2-methylph... | 15.597 | 198  | 5073     | 3.923 | ng/ul# | 81       |
| 67) N-Nitrosodiphenylamine    | 15.738 | 169  | 31199    | 4.757 | ng/ul  | 96       |
| 68) 4-Bromophenyl-phenylether | 16.419 | 248  | 12890    | 5.254 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.531 | 284  | 12887    | 4.697 | ng/ul  | 96       |
| 70) Atrazine                  | 16.690 | 200  | 13869    | 5.319 | ng/ul  | 89       |
| 71) Pentachlorophenol         | 16.878 | 266  | 7082     | 4.314 | ng/ul  | 94       |
| 72) Phenanthrene              | 17.265 | 178  | 58266m   | 4.653 | ng/ul  |          |
| 74) Anthracene                | 17.353 | 178  | 60213    | 4.697 | ng/ul  | 97       |
| 75) 1,2,3,4-Tetrachloroben... | 13.282 | 216  | 13123    | 4.215 | ng/ul  | 93       |
| 76) Pentachlorobenzene        | 14.804 | 250  | 15714    | 4.832 | ng/ul  | 95       |
| 77) Carbazole                 | 17.624 | 167  | 51235    | 4.609 | ng/ul  | 96       |
| 78) Di-n-butylphthalate       | 18.200 | 149  | 60763    | 4.274 | ng/ul  | 98       |
| 80) Fluoranthene              | 19.275 | 202  | 68225    | 5.082 | ng/ul  | 98       |
| 82) Pyrene                    | 19.639 | 202  | 76865    | 5.399 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.538 | 149  | 25523    | 4.502 | ng/ul  | 92       |
| 84) 3,3'-Dichlorobenzidine    | 21.361 | 252  | 24738    | 6.105 | ng/ul  | 93       |
| 85) Benzo(a)anthracene        | 21.437 | 228  | 71131    | 4.998 | ng/ul  | 95       |
| 86) Bis(2-ethylhexyl)phtha... | 21.372 | 149  | 39474    | 4.641 | ng/ul# | 98       |
| 87) Chrysene                  | 21.496 | 228  | 69357    | 5.126 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.518 | 149  | 67298    | 4.707 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.517 | 252  | 66942    | 4.965 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.576 | 252  | 68442    | 4.977 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 24.328 | 252  | 64814    | 5.092 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.853 | 276  | 76279m   | 4.788 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 27.918 | 278  | 59414    | 4.682 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 28.911 | 276  | 58547m   | 4.740 | ng/ul  |          |

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



[illegible]