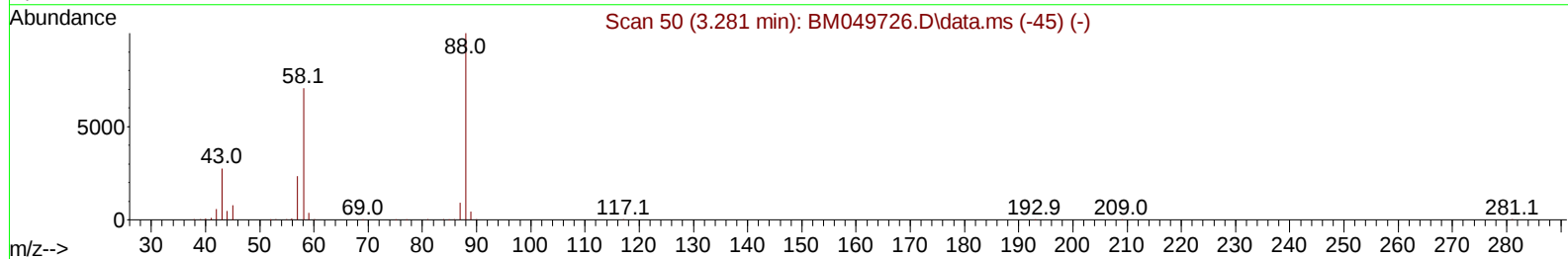
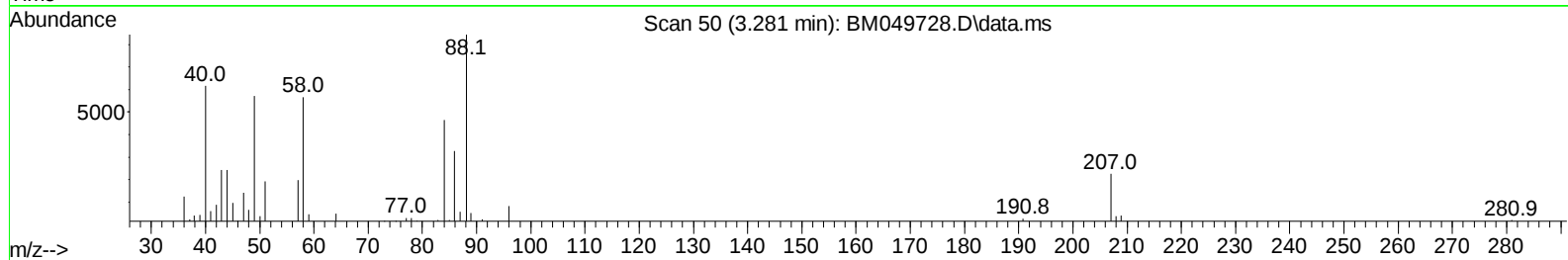
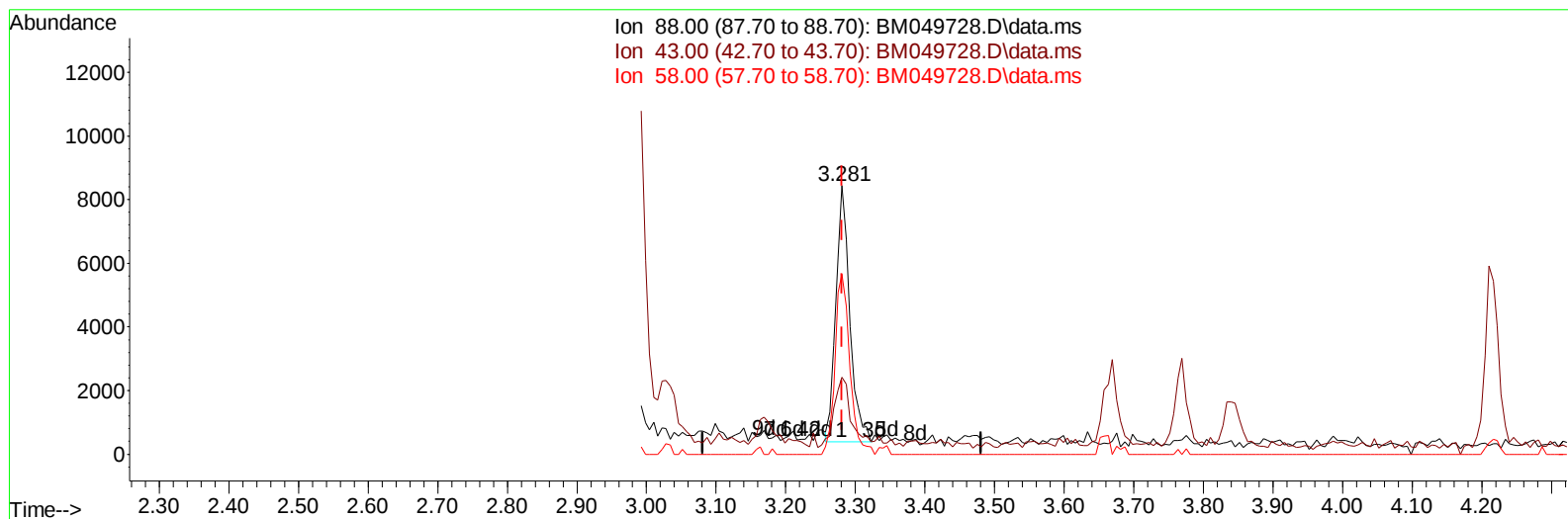


Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032025\  
Data File : BM049728.D  
Acq On : 20 Mar 2025 10:27  
Operator : RC/JU  
Sample : Q1546-03  
Misc : MDL-SOIL 4 ppm  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 20 12:37:16 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM031425.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Mar 14 15:07:40 2025  
Response via : Initial Calibration



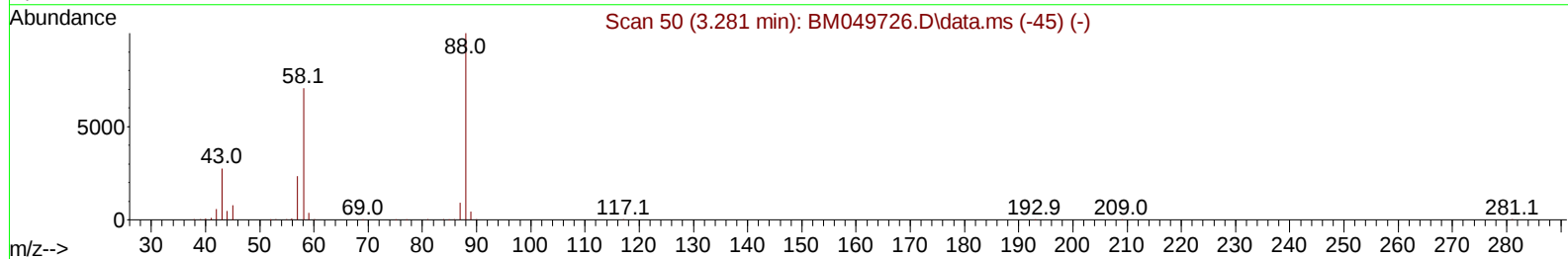
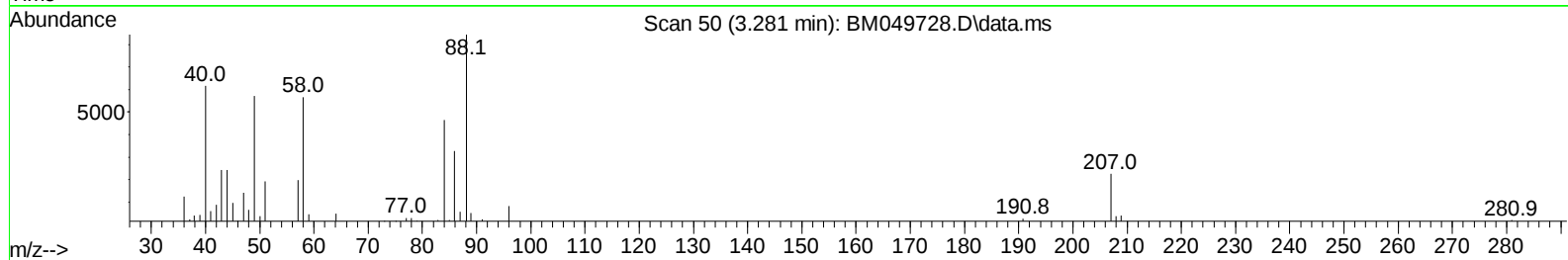
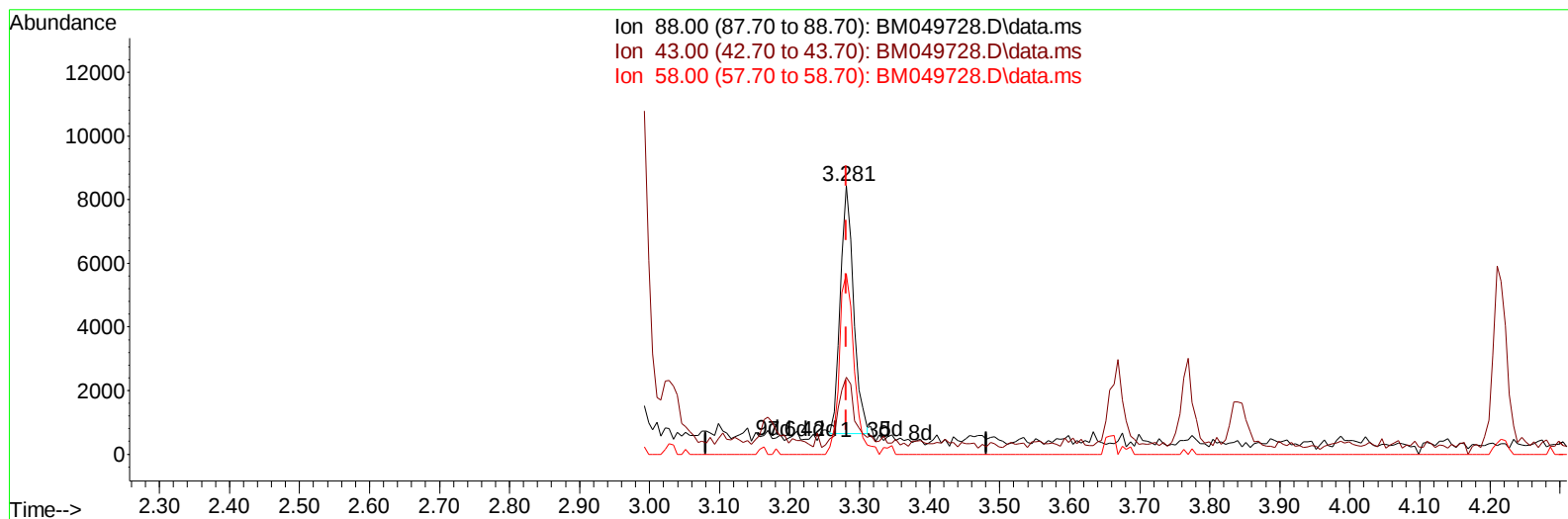
TIC: BM049728.D\data.ms

**(2) 1,4-Dioxane****3.281min (-0.000) 1.50 ng/uL****response 11064**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 88.00 | 100.00 | 100.00 |
| 43.00 | 28.50  | 28.73  |
| 58.00 | 63.30  | 67.15  |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032025\  
Data File : BM049728.D  
Acq On : 20 Mar 2025 10:27  
Operator : RC/JU  
Sample : Q1546-03  
Misc : MDL-SOIL 4 ppm  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 20 12:37:16 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM031425.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Mar 14 15:07:40 2025  
Response via : Initial Calibration



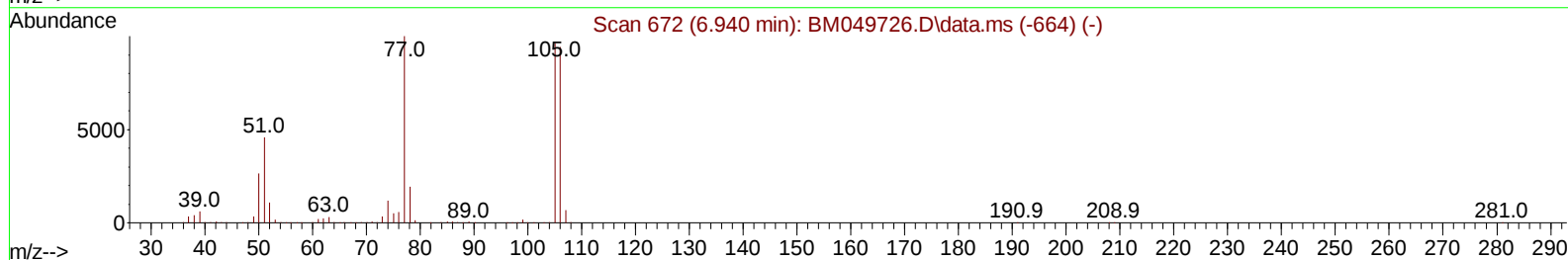
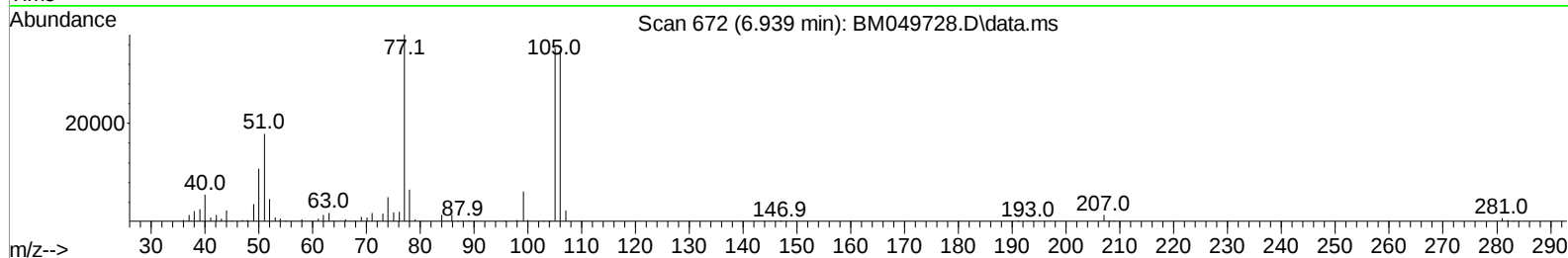
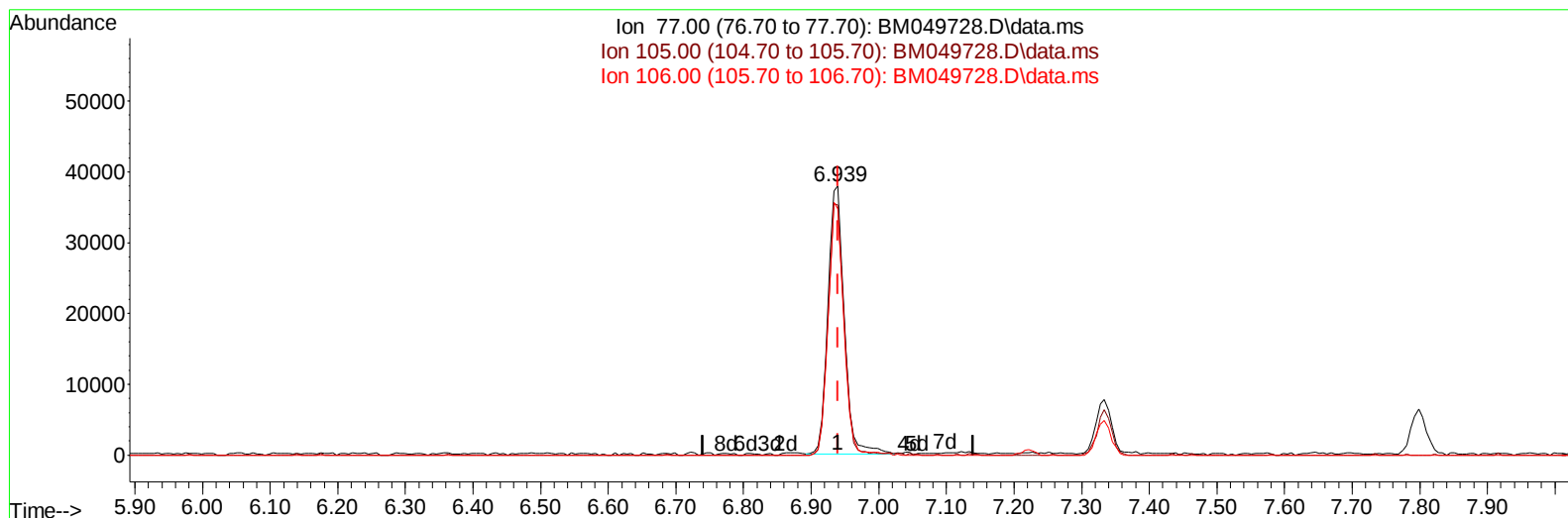
TIC: BM049728.D\data.ms

**(2) 1,4-Dioxane****3.281min (-0.000) 1.37 ng/uL m****response 10076**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 88.00 | 100.00 | 100.00 |
| 43.00 | 28.50  | 28.73  |
| 58.00 | 63.30  | 67.15  |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032025\  
Data File : BM049728.D  
Acq On : 20 Mar 2025 10:27  
Operator : RC/JU  
Sample : Q1546-03  
Misc : MDL-SOIL 4 ppm  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 20 12:37:16 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM031425.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Mar 14 15:07:40 2025  
Response via : Initial Calibration



TIC: BM049728.D\data.ms

**(6) Benzaldehyde**

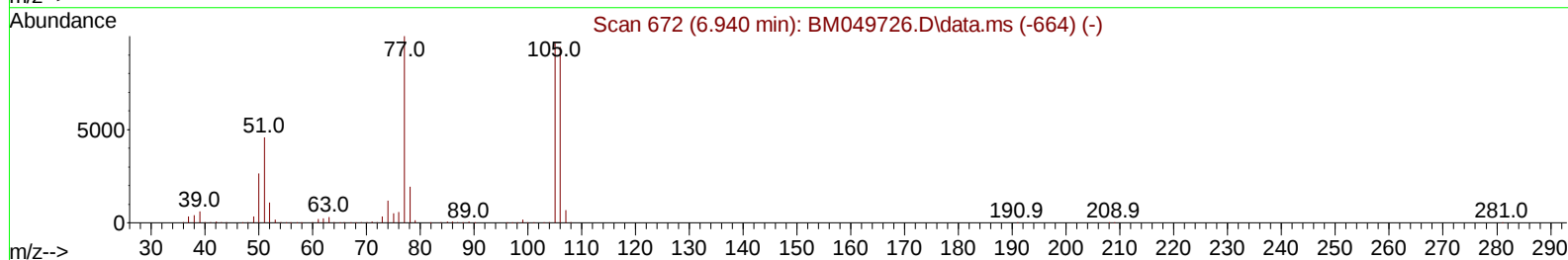
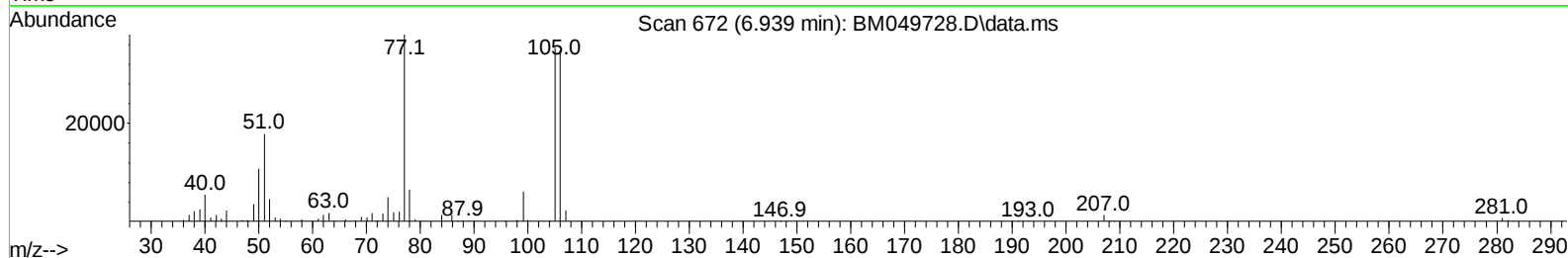
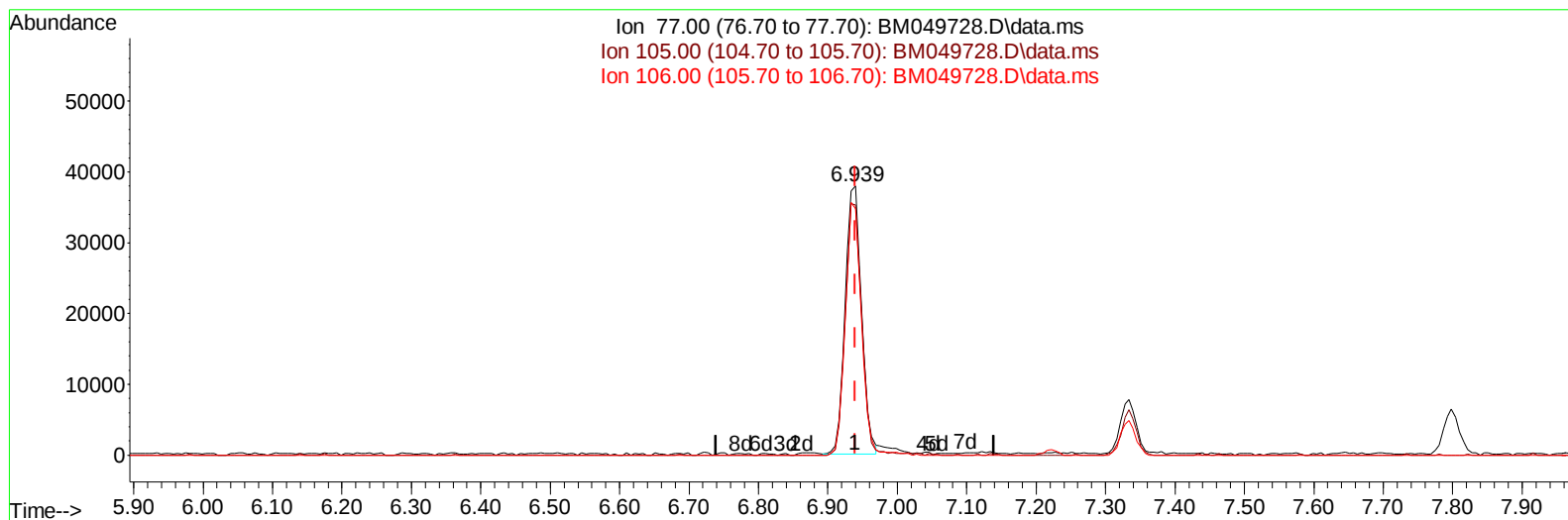
**6.939min (-0.000) 5.17 ng/u1**

**response 63633**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 77.00  | 100.00 | 100.00 |
| 105.00 | 95.20  | 92.99  |
| 106.00 | 90.70  | 91.66  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032025\  
Data File : BM049728.D  
Acq On : 20 Mar 2025 10:27  
Operator : RC/JU  
Sample : Q1546-03  
Misc : MDL-SOIL 4 ppm  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 20 12:37:16 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM031425.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Mar 14 15:07:40 2025  
Response via : Initial Calibration



TIC: BM049728.D\data.ms

**(6) Benzaldehyde**

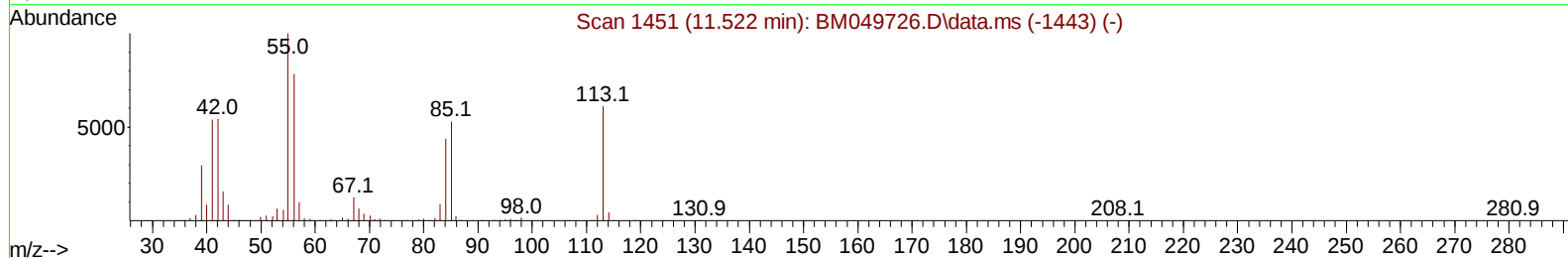
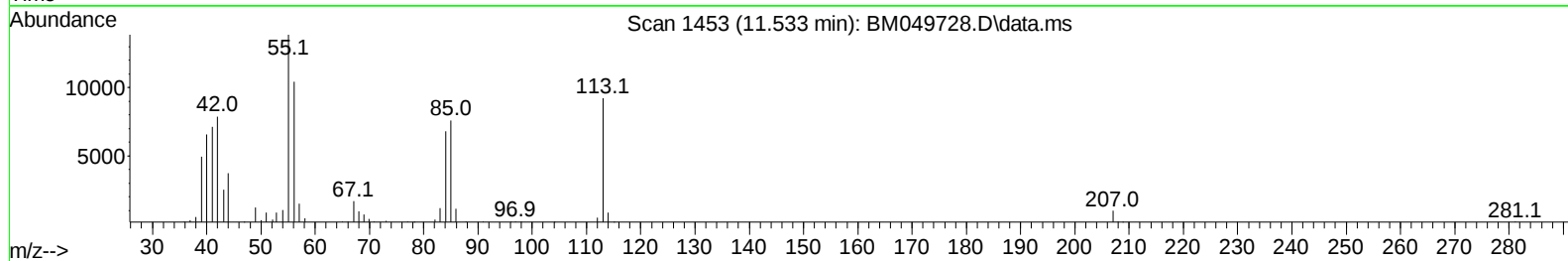
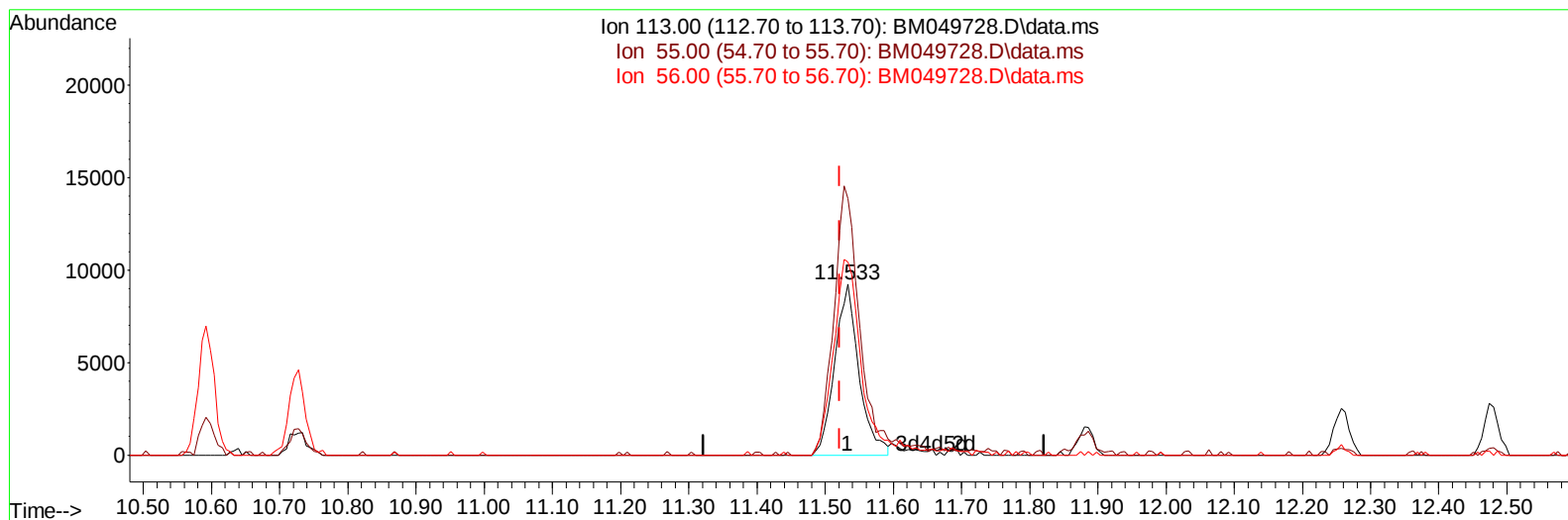
**6.939min (-0.000) 5.01 ng/u1 m**

**response 61637**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 77.00  | 100.00 | 100.00 |
| 105.00 | 95.20  | 92.99  |
| 106.00 | 90.70  | 91.66  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032025\  
Data File : BM049728.D  
Acq On : 20 Mar 2025 10:27  
Operator : RC/JU  
Sample : Q1546-03  
Misc : MDL-SOIL 4 ppm  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 20 12:37:16 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM031425.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Mar 14 15:07:40 2025  
Response via : Initial Calibration



TIC: BM049728.D\data.ms

**(34) Caprolactam**

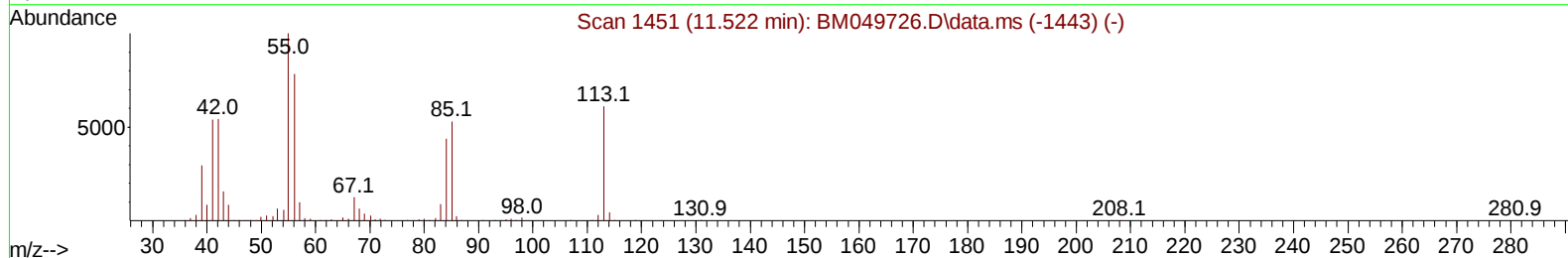
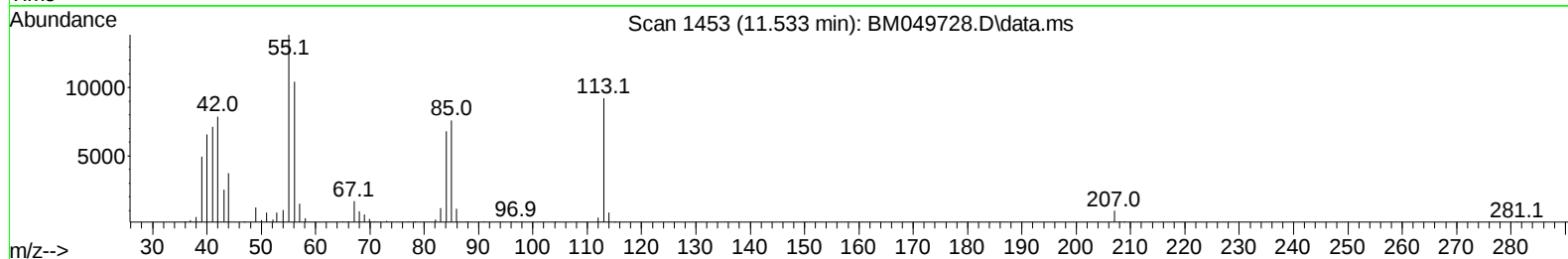
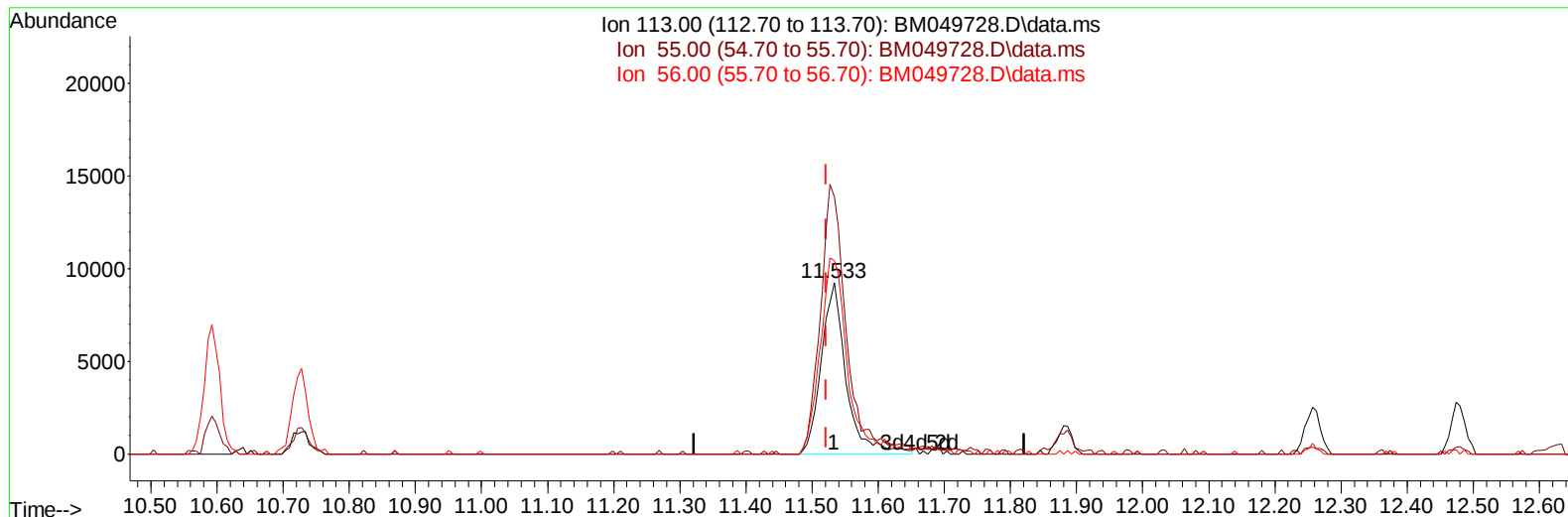
**11.533min (+ 0.012) 4.21 ng/ul**

**response 22894**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 164.70 | 150.23 |
| 56.00  | 123.60 | 112.96 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032025\  
Data File : BM049728.D  
Acq On : 20 Mar 2025 10:27  
Operator : RC/JU  
Sample : Q1546-03  
Misc : MDL-SOIL 4 ppm  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 20 12:37:16 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM031425.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Mar 14 15:07:40 2025  
Response via : Initial Calibration



TIC: BM049728.D\data.ms

**(34) Caprolactam**

**11.533min (+ 0.012) 4.42 ng/ul m**

**response 24028**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 164.70 | 150.23 |
| 56.00  | 123.60 | 112.96 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032025\  
 Data File : BM049728.D  
 Acq On : 20 Mar 2025 10:27  
 Operator : RC/JU  
 Sample : Q1546-03  
 Misc : MDL-SOIL 4 ppm  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 20 12:39:42 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM031425.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 14 15:07:40 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.798  | 152  | 284951   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.592 | 136  | 1078892  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.439 | 164  | 791587   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.180 | 188  | 1704725  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.421 | 240  | 1619247  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.438 | 264  | 1569949  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.246  | 96   | 28643    | 4.141  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.657  | 84   | 513373   | 24.128 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.969  | 99   | 557926   | 23.947 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.128  | 67   | 383660   | 26.398 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.334  | 132  | 449254   | 25.688 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.510  | 113  | 411934   | 22.771 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.951  | 128  | 211564   | 25.770 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.675  | 143  | 222583   | 25.095 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.216 | 165  | 467874   | 24.371 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.727 | 131  | 627006   | 25.545 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.851 | 166  | 1607644  | 27.551 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.133 | 160  | 1819327  | 26.767 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.639 | 143  | 242448   | 24.436 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.433 | 176  | 1417410  | 27.258 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.545 | 200  | 202628   | 18.946 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.280 | 188  | 2222874  | 25.690 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.574 | 212  | 2710811  | 27.382 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.232 | 264  | 2350435  | 27.840 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.281  | 88   | 10076m   | 1.366  | ng/uL  |          |
| 5) Pyridine                   | 3.681  | 79   | 94097    | 4.430  | ng/ul# | 83       |
| 6) Benzaldehyde               | 6.939  | 77   | 61637m   | 5.007  | ng/ul  |          |
| 8) Phenol                     | 6.992  | 94   | 103371   | 4.324  | ng/ul  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.222  | 93   | 88594    | 4.623  | ng/ul  | 96       |
| 12) 2-Chlorophenol            | 7.363  | 128  | 79428    | 4.401  | ng/ul  | 98       |
| 13) 2-Methylphenol            | 8.245  | 108  | 62887    | 3.603  | ng/ul  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.322  | 45   | 113318   | 4.746  | ng/ul  | 98       |
| 16) Acetophenone              | 8.616  | 105  | 132294   | 4.494  | ng/ul  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.604  | 70   | 66739    | 4.387  | ng/ul  | 99       |
| 18) 4-Methylphenol            | 8.569  | 108  | 76920    | 3.997  | ng/ul  | 94       |
| 19) Hexachloroethane          | 8.881  | 117  | 36683    | 4.679  | ng/ul  | 97       |
| 22) Nitrobenzene              | 8.992  | 77   | 100245   | 4.886  | ng/ul  | 94       |
| 23) Isophorone                | 9.522  | 82   | 171803   | 4.306  | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.704  | 139  | 43488    | 4.423  | ng/ul  | 94       |
| 26) 2,4-Dimethylphenol        | 9.775  | 107  | 41871    | 2.316  | ng/ul  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.004 | 93   | 111524   | 4.538  | ng/ul  | 98       |
| 29) 2,4-Dichlorophenol        | 10.239 | 162  | 84760    | 4.425  | ng/ul  | 94       |
| 30) Naphthalene               | 10.645 | 128  | 256170   | 4.569  | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.751 | 127  | 106016   | 4.557  | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 10.939 | 225  | 63350    | 4.610  | ng/ul  | 99       |
| 34) Caprolactam               | 11.533 | 113  | 24028m   | 4.419  | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.880 | 107  | 65827    | 3.827  | ng/ul  | 95       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032025\  
 Data File : BM049728.D  
 Acq On : 20 Mar 2025 10:27  
 Operator : RC/JU  
 Sample : Q1546-03  
 Misc : MDL-SOIL 4 ppm  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 20 12:39:42 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM031425.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 14 15:07:40 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.257 | 142  | 184967   | 4.419 | ng/ul  | 99       |
| 37) 1-Methylnaphthalene       | 12.474 | 142  | 170441   | 4.127 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.627 | 216  | 120442   | 4.197 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.616 | 237  | 64614    | 3.750 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.868 | 196  | 61280    | 3.666 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.939 | 196  | 66906    | 3.726 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.274 | 154  | 262022   | 4.461 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.310 | 162  | 209480   | 4.505 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.510 | 65   | 42381    | 3.722 | ng/ul  | 93       |
| 47) Dimethylphthalate         | 13.892 | 163  | 267241   | 4.646 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.010 | 165  | 39389    | 3.636 | ng/ul  | 99       |
| 50) Acenaphthylene            | 14.157 | 152  | 313149   | 4.520 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.339 | 138  | 36461    | 3.538 | ng/ul  | 98       |
| 52) Acenaphthene              | 14.504 | 153  | 220143   | 4.415 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.545 | 184  | 24864    | 3.752 | ng/ul  | 98       |
| 55) 4-Nitrophenol             | 14.651 | 109  | 34612    | 4.564 | ng/ul  | 93       |
| 56) Dibenzofuran              | 14.839 | 168  | 322385   | 4.589 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 14.792 | 165  | 63529    | 4.057 | ng/ul  | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.062 | 232  | 53454    | 3.617 | ng/ul  | 95       |
| 59) Diethylphthalate          | 15.262 | 149  | 244781   | 4.423 | ng/ul  | 99       |
| 61) Fluorene                  | 15.486 | 166  | 261134   | 4.285 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.480 | 204  | 142602   | 4.223 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.498 | 138  | 34393    | 3.529 | ng/ul  | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.557 | 198  | 47675    | 4.019 | ng/ul# | 85       |
| 67) N-Nitrosodiphenylamine    | 15.692 | 169  | 210529   | 4.070 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.374 | 248  | 80105    | 3.930 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.492 | 284  | 96067    | 4.175 | ng/ul  | 99       |
| 70) Atrazine                  | 16.645 | 200  | 83334    | 4.185 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.833 | 266  | 53193    | 3.584 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.221 | 178  | 413547   | 4.287 | ng/ul  | 99       |
| 74) Anthracene                | 17.315 | 178  | 406166   | 4.211 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.233 | 216  | 111649   | 3.827 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.757 | 250  | 108540   | 3.707 | ng/uL  | 99       |
| 77) Carbazole                 | 17.580 | 167  | 338380   | 4.089 | ng/ul  | 97       |
| 78) Di-n-butylphthalate       | 18.156 | 149  | 376096   | 3.925 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.239 | 202  | 457245   | 4.107 | ng/ul  | 100      |
| 82) Pyrene                    | 19.603 | 202  | 512104   | 4.336 | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 20.503 | 149  | 134140   | 3.552 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.327 | 252  | 113792   | 3.393 | ng/ul# | 98       |
| 85) Benzo(a)anthracene        | 21.403 | 228  | 491379   | 4.406 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.339 | 149  | 213050   | 3.821 | ng/ul  | 97       |
| 87) Chrysene                  | 21.468 | 228  | 441363   | 4.399 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.480 | 149  | 294744   | 2.852 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.485 | 252  | 419583   | 3.890 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.544 | 252  | 428995   | 3.973 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 24.291 | 252  | 396084   | 4.151 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.820 | 276  | 451213   | 4.402 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 27.885 | 278  | 364875   | 4.386 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 28.879 | 276  | 352584   | 4.634 | ng/ul  | 100      |

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



Abundance

TIC: BM049728.D\data.ms

Time-->

1145-Dioxane-d8,S  
Pyridine  
Pyridine-d5,S  
Benzaldehyde  
Bis(2-chlorophenyl) ether  
1,4-Dichlorobenzene-d4,l  
2-Methyl-2-chloropropane  
4-Nitrophenylamine  
Nitrobenzene  
Nitrobenzene-d5,S  
Isobutanol  
2-Nitrophenol-d4,S  
Bis(2-chlorophenyl) ether  
2,4-Dichlorophenol-d3,S  
Naphthalene-d4,S  
Hexachlorobutadiene,C  
Caprolactam  
4-Chloro-3-methylphenol,C  
1-Methylnaphthalene  
1-Methyl-2-chloropropane  
2,4,6-Trichlorophenol,C  
1,2,3-Trichlorobenzene  
2-Nitroaniline  
2,6-Dichlorophthalate  
3-Nitroaniline  
2,4-Dichlorophenyl ether  
2,4,6-Trichlorophenol  
2,3,4-Trichlorophthalate  
4-Nitrophenyl ether  
4-Nitrophenol-d4,S  
Acenaphthylene  
Carbazole  
Di-n-butylphthalate  
Fluoranthene  
Pyrene  
Butylbenzylphthalate  
3,3'-Dibenzophthalate  
Chrysene  
Di-n-octyl phthalate  
Benzo(b)fluoranthene  
Benzo(a)pyrene,C  
Perylene-d12,l  
Benzo(a)pyrene-d12,S  
Indeno(1,2,3-cd)pyrene  
Benzo(g,h,i)perylene

Pyrene-d10,S  
Anthracene-d10,S  
Phenanthrene-d10,l  
Fluorene-d10,S  
Dimethylphthalate-d6,S  
Acenaphthene-d10,l  
Chrysene-d12,l  
Benzo(a)pyrene-d12,S  
Perylene-d12,l