

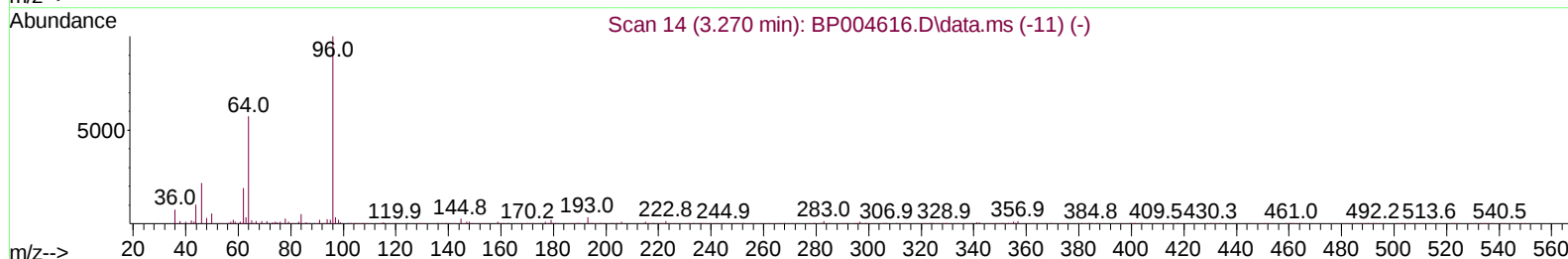
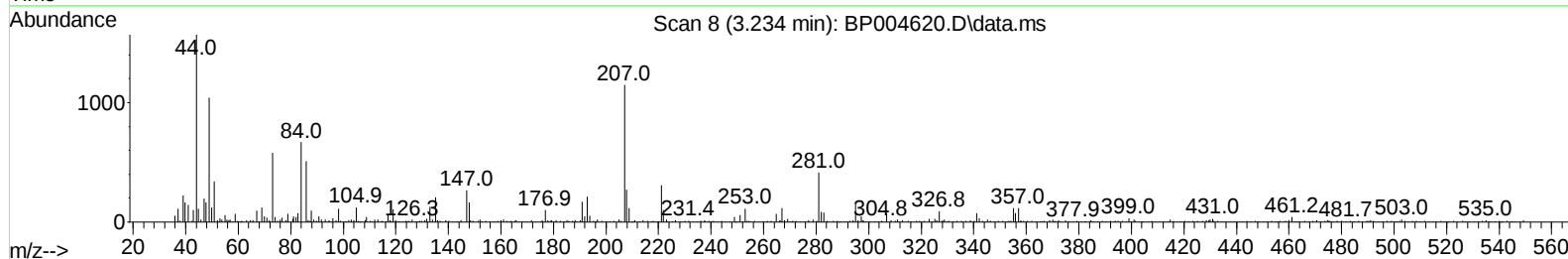
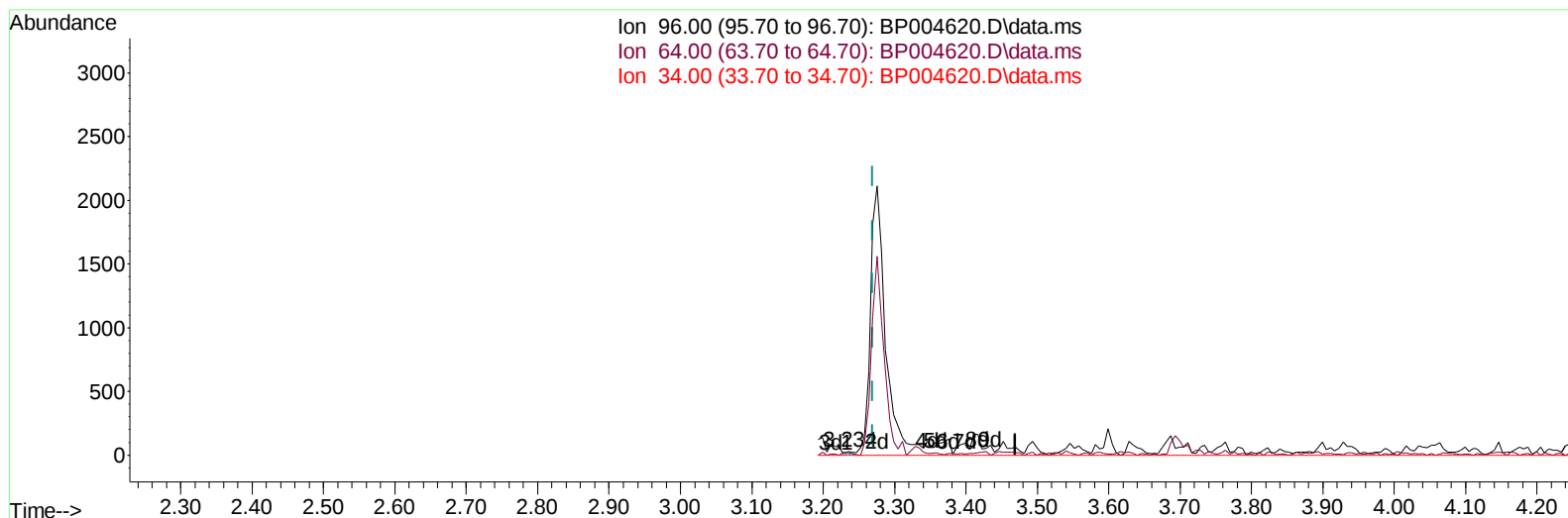
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP012521\  
 Data File : BP004620.D  
 Acq On : 25 Jan 2021 12:16  
 Operator : CG/JU  
 Sample : L5214-03  
 Misc : SFAM-MDL-S-01  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-SOIL-QT1-2021-01

Manual Integrations  
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Quant Time: Jan 25 12:46:08 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SFAM-EPA-BP012221.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jan 25 10:20:29 2021  
 Response via : Initial Calibration



TIC: BP004620.D\data.ms

**(3) 1,4-Dioxane-d8 (S)**

**3.234min (-0.035) 0.02 ng/uL**

**response 17**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 61.50  | 53.33  |
| 34.00 | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

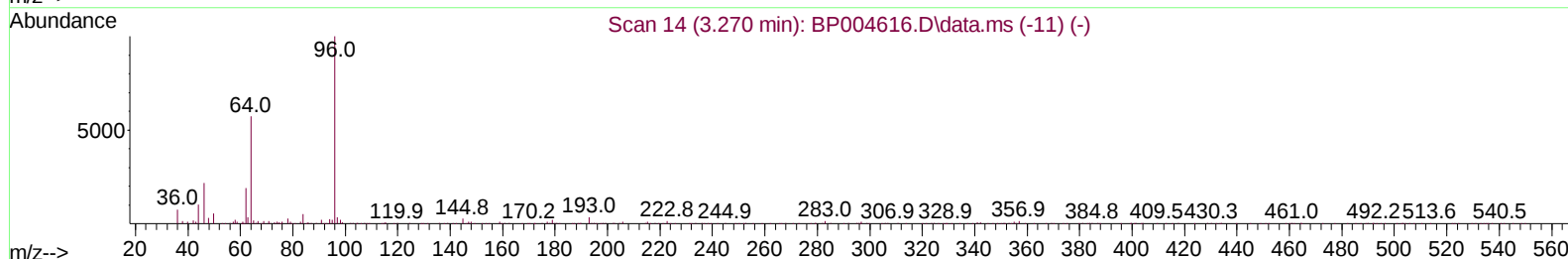
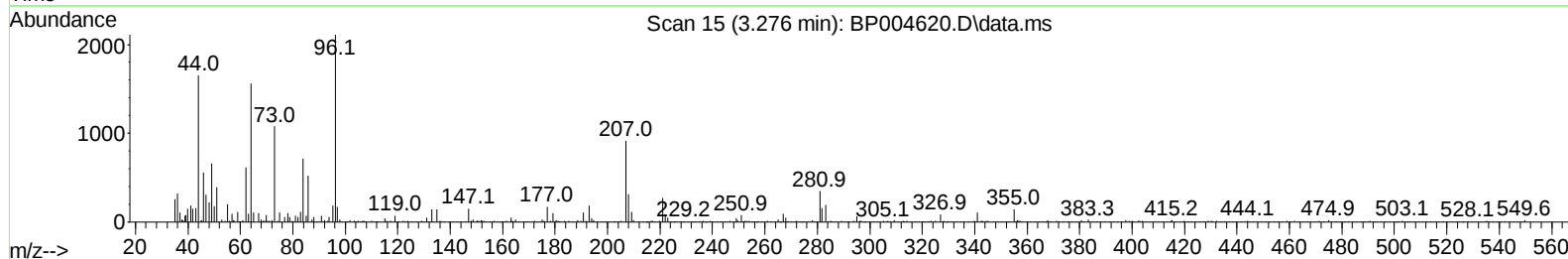
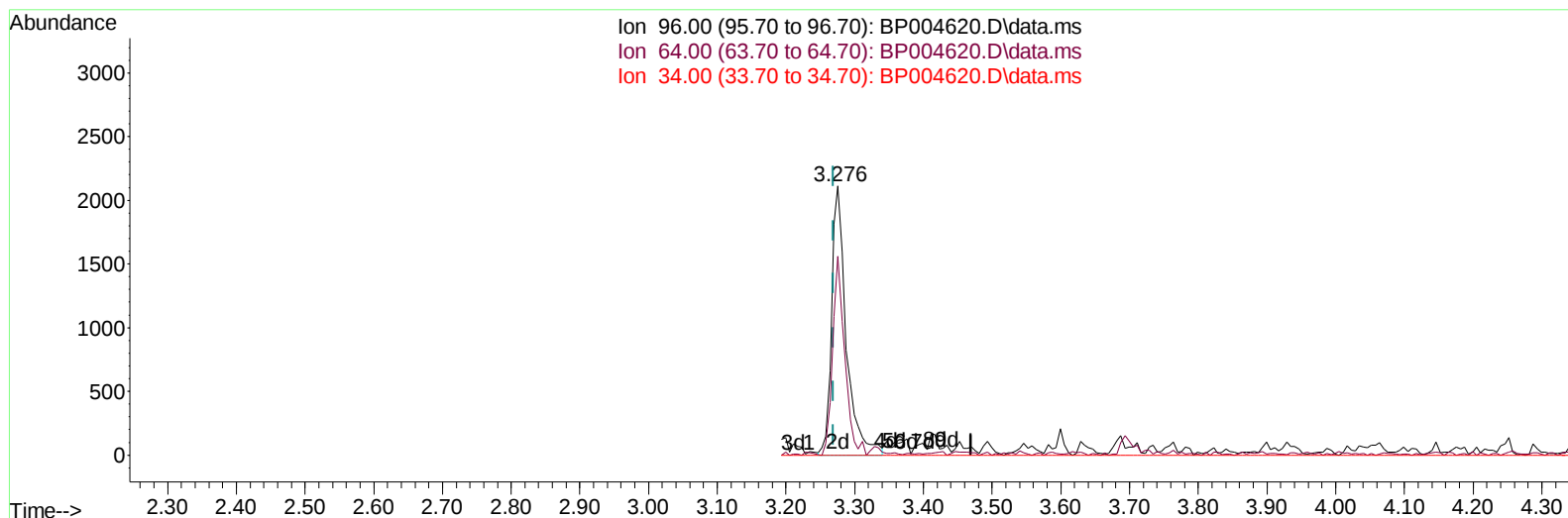
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TIC: BP004620.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.276min (+ 0.006) 3.77 ng/uL m

response 3120

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 61.50  | 73.99# |
| 34.00 | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

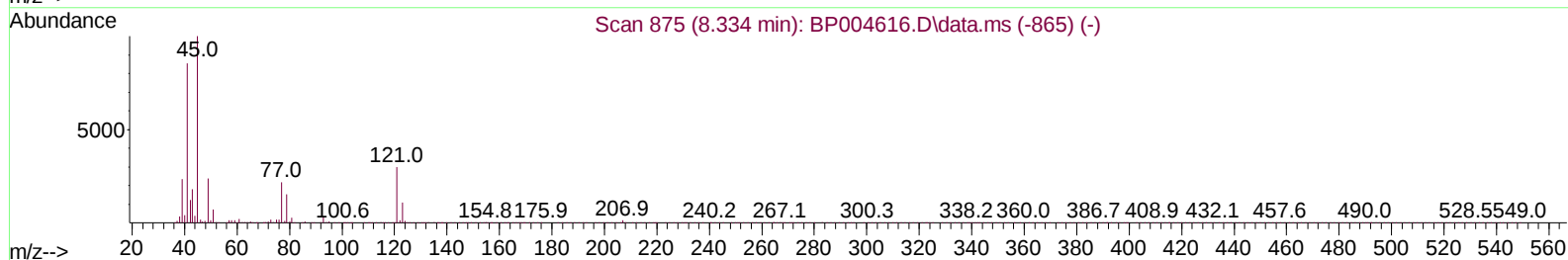
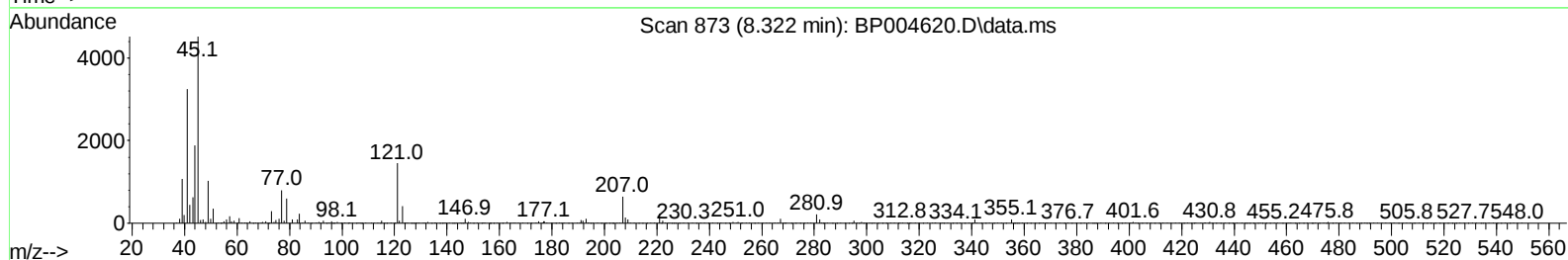
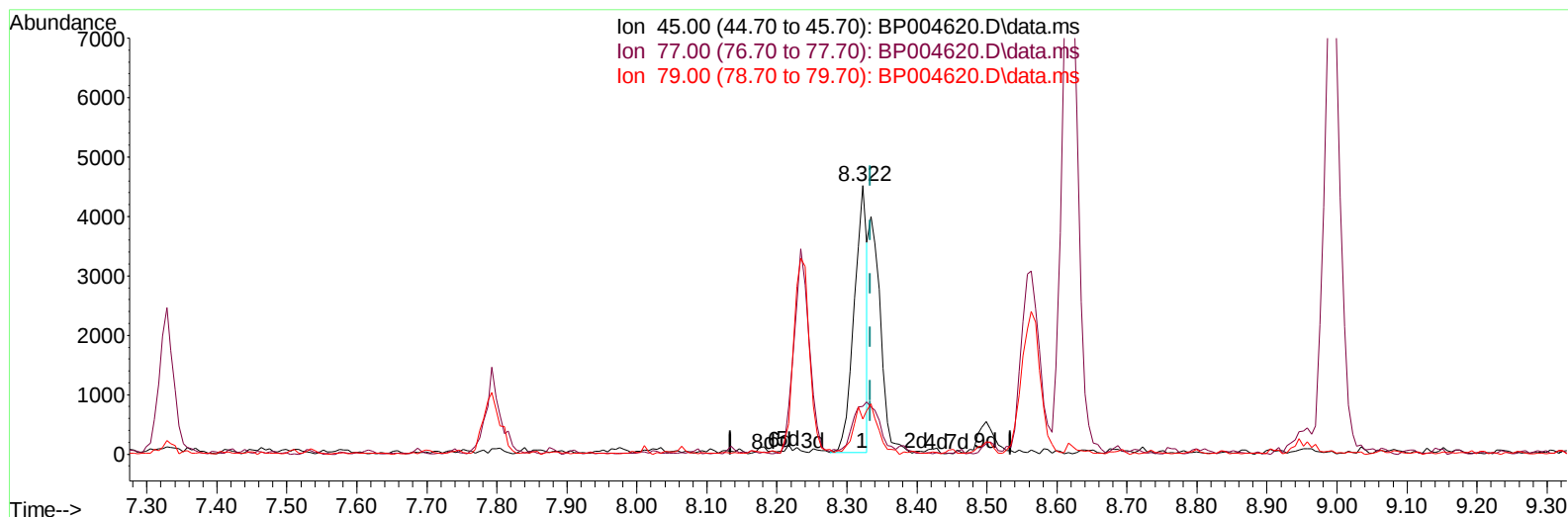
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TIC: BP004620.D\data.ms

(14) 2,2'-oxybis(1-Chloropropane)

8.322min (-0.012) 2.37 ng/u1

response 5772

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 22.50  | 17.76# |
| 79.00 | 17.00  | 13.19# |
| 0.00  | 0.00   | 0.00   |

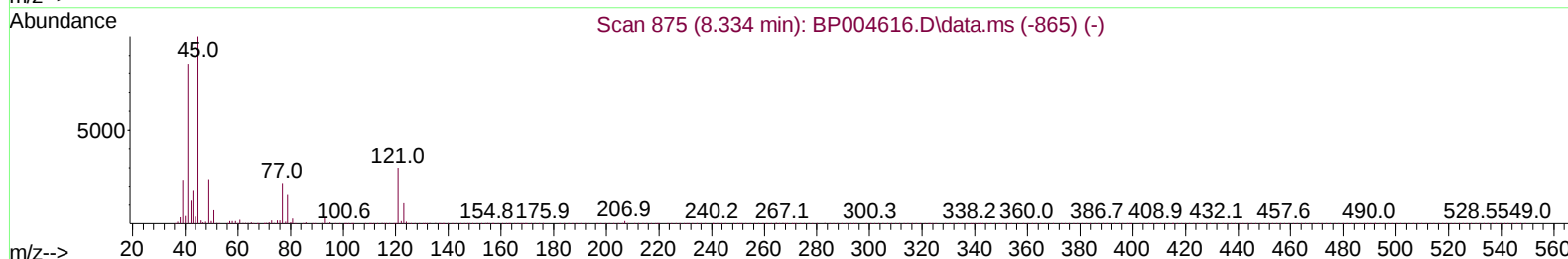
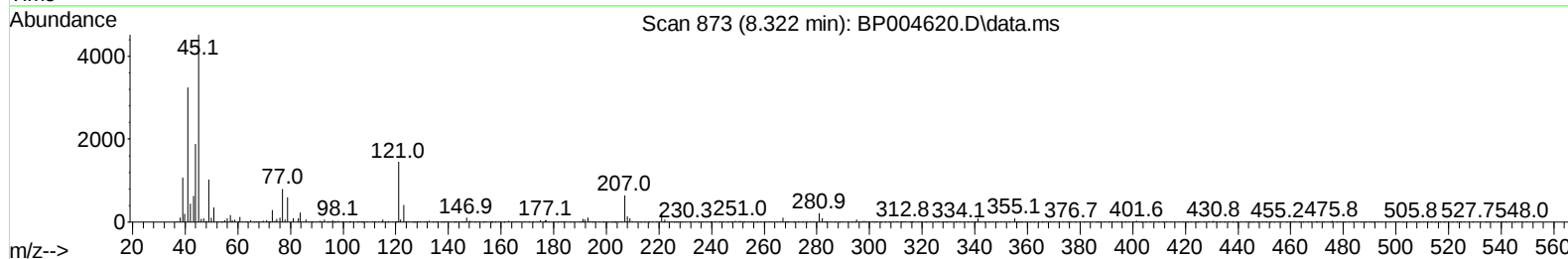
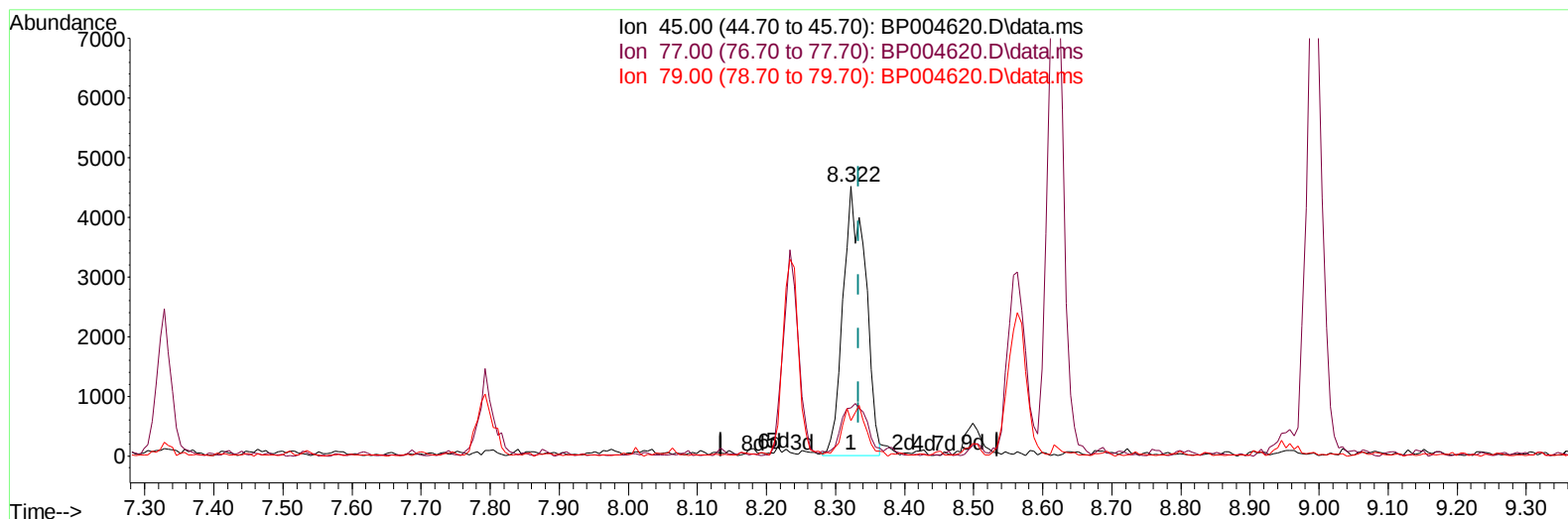
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TIC: BP004620.D\data.ms

(14) 2,2'-oxybis(1-Chloropropane)

8.322min (-0.012) 4.20 ng/ul m

response 10214

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 22.50  | 17.76# |
| 79.00 | 17.00  | 13.19# |
| 0.00  | 0.00   | 0.00   |

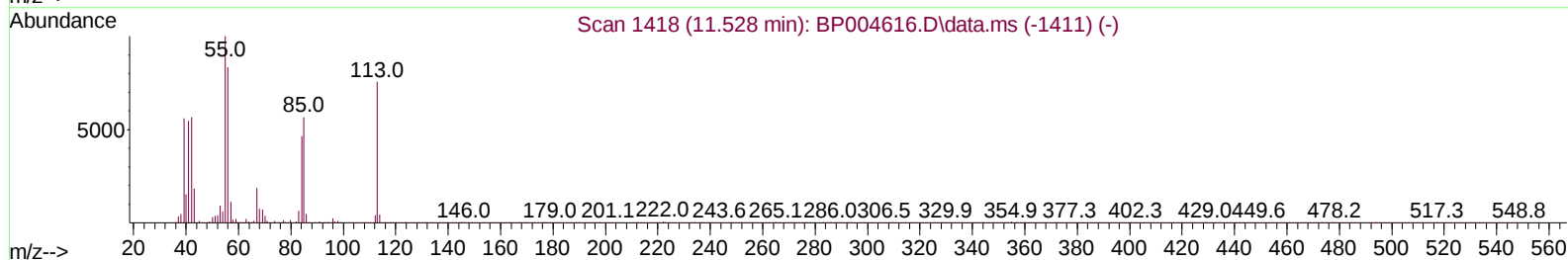
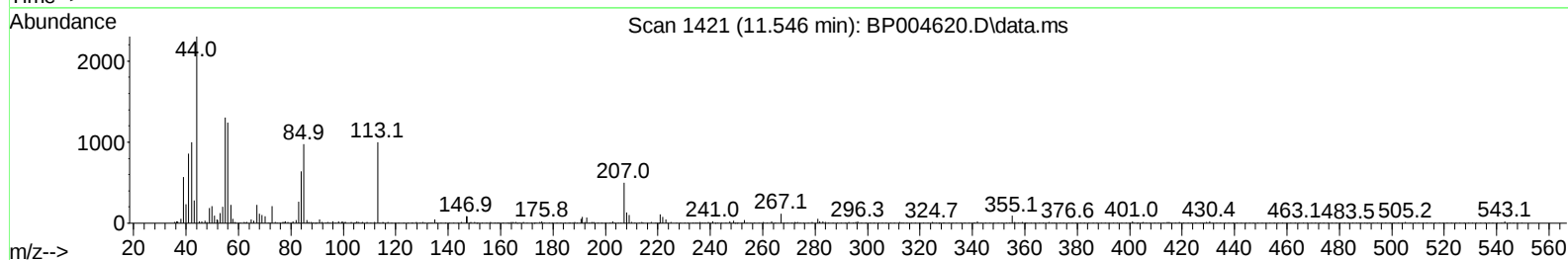
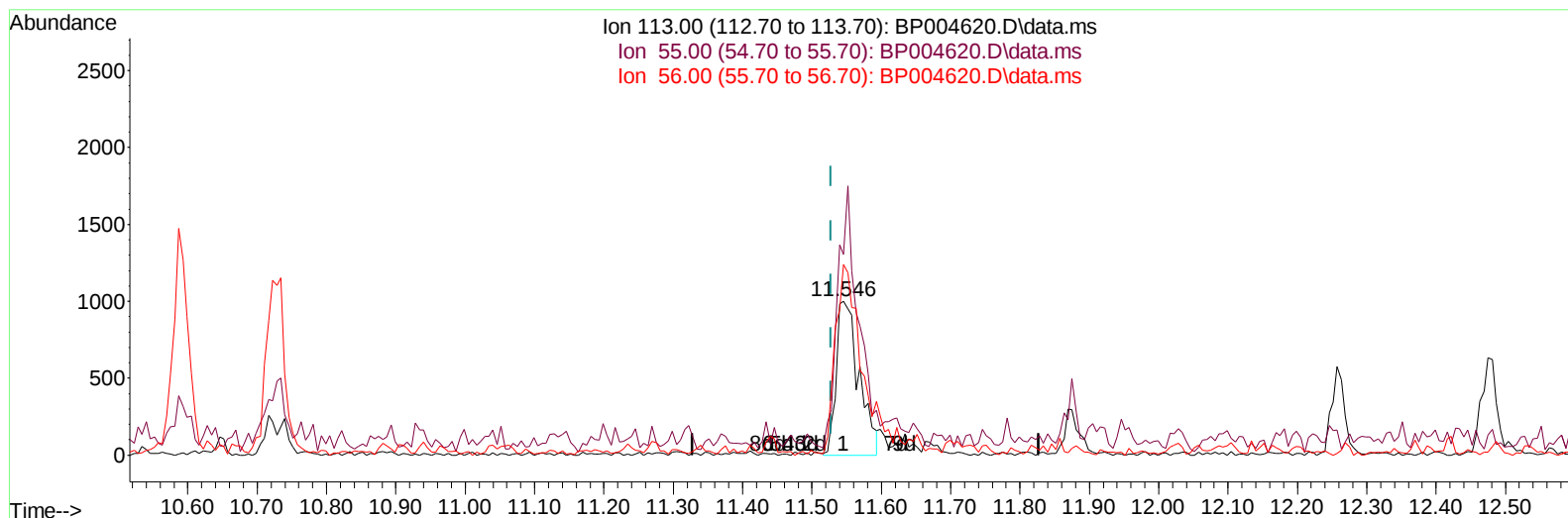
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TIC: BP004620.D\data.ms

**(34) Caprolactam**

**11.546min (+ 0.018) 2.84 ng/ul**

**response 2271**

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 113.00 | 100.00 | 100.00  |
| 55.00  | 140.10 | 130.34  |
| 56.00  | 102.40 | 123.85# |
| 0.00   | 0.00   | 0.00    |

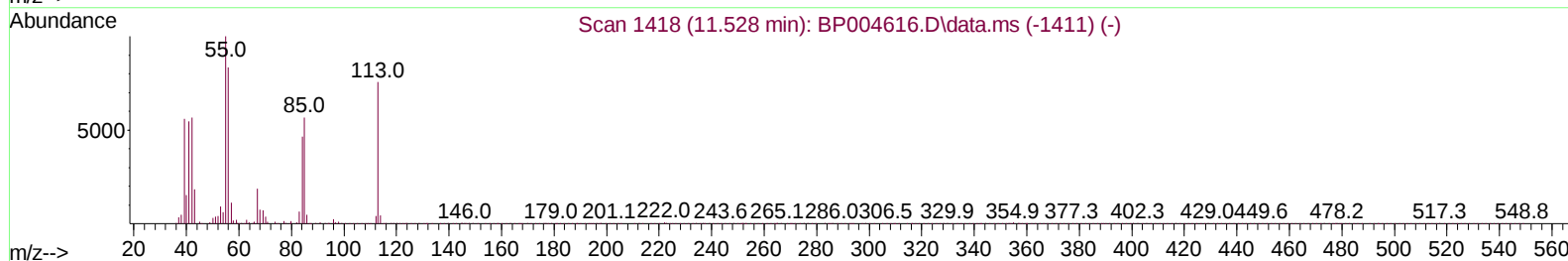
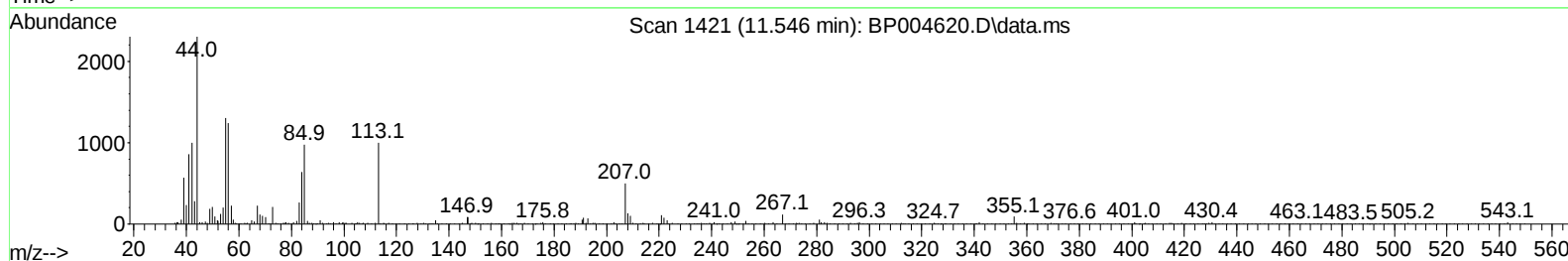
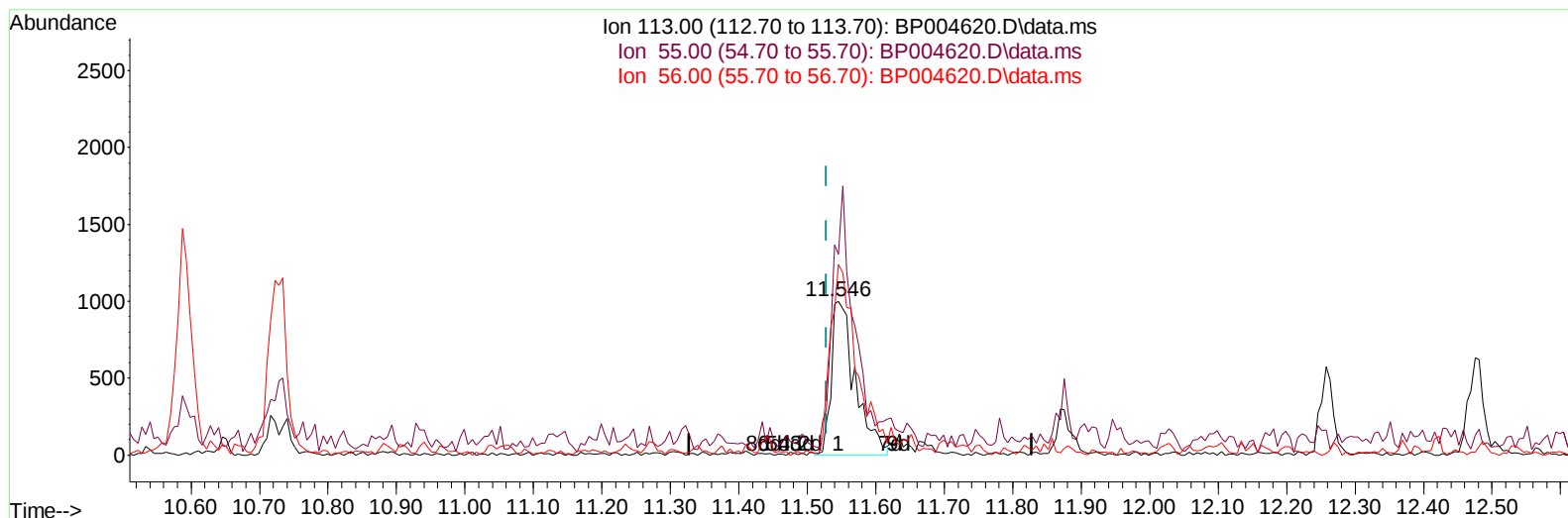
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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
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Manual Integrations  
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TIC: BP004620.D\data.ms

**(34) Caprolactam**

11.546min (+ 0.018) 3.02 ng/ul m

response 2413

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 113.00 | 100.00 | 100.00  |
| 55.00  | 140.10 | 130.34  |
| 56.00  | 102.40 | 123.85# |
| 0.00   | 0.00   | 0.00    |

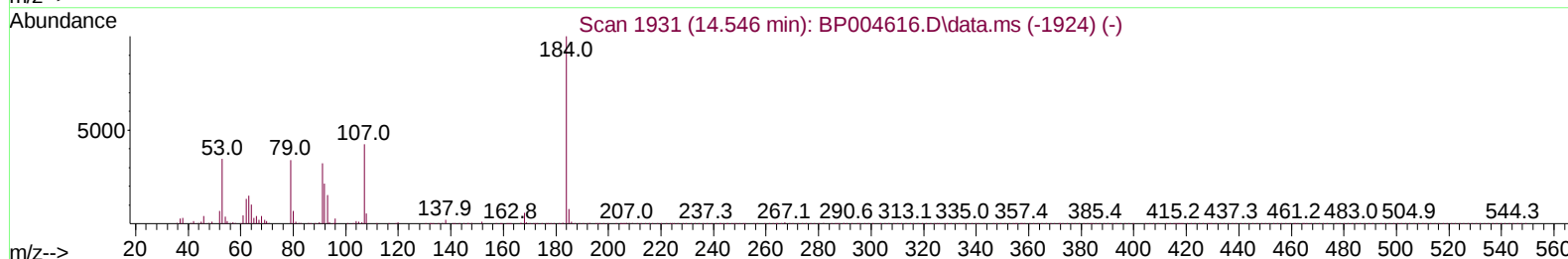
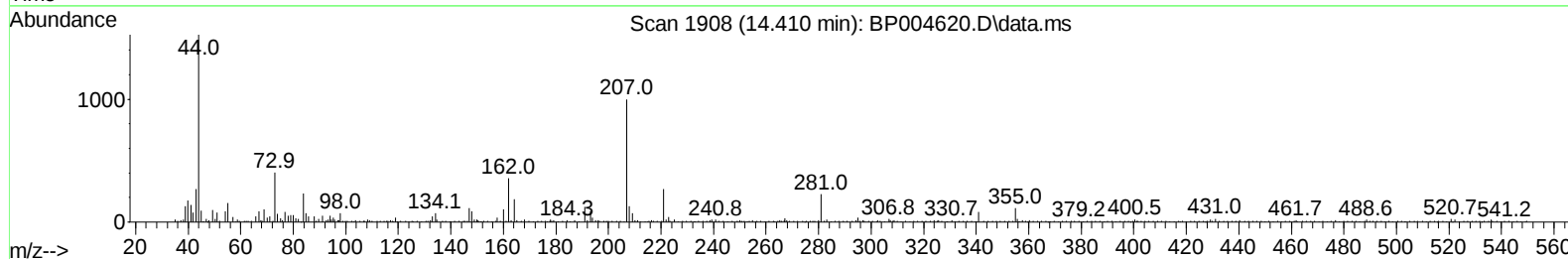
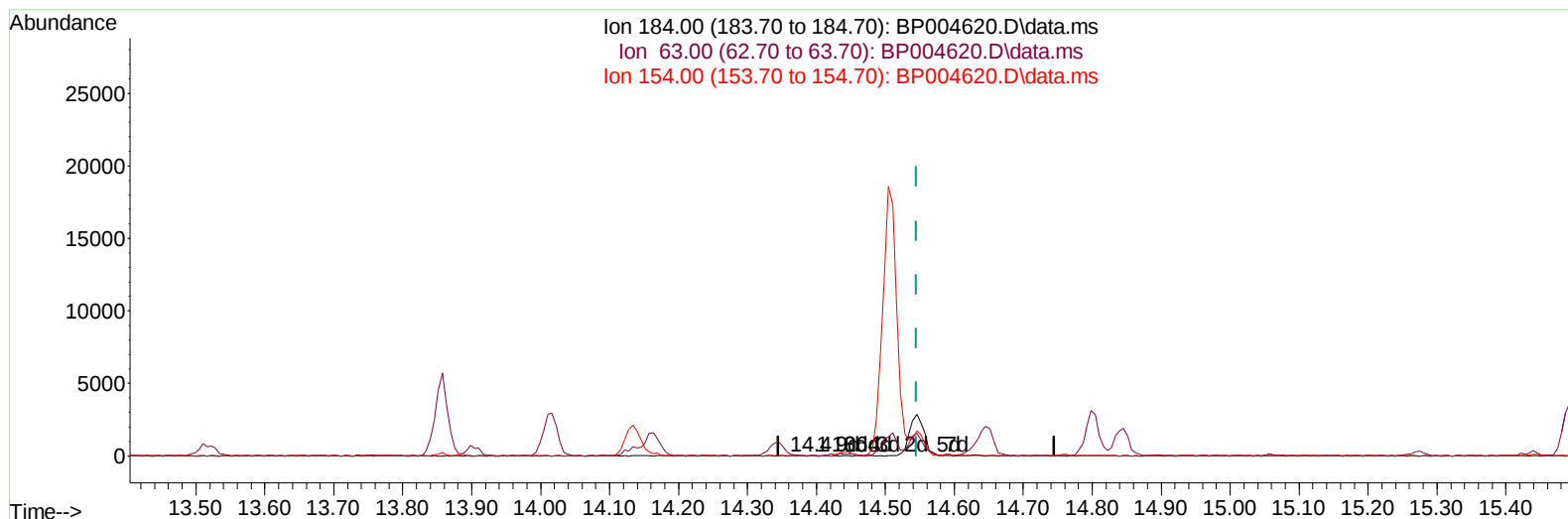
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 Misc : SFAM-MDL-S-01  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-SOIL-QT1-2021-01

Manual Integrations  
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TIC: BP004620.D\data.ms

**(53) 2,4-Dinitrophenol**

14.410min (-0.135) 0.01 ng/ul

response 8

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 63.00  | 69.50  | 80.00  |
| 154.00 | 64.00  | 66.67  |
| 0.00   | 0.00   | 0.00   |

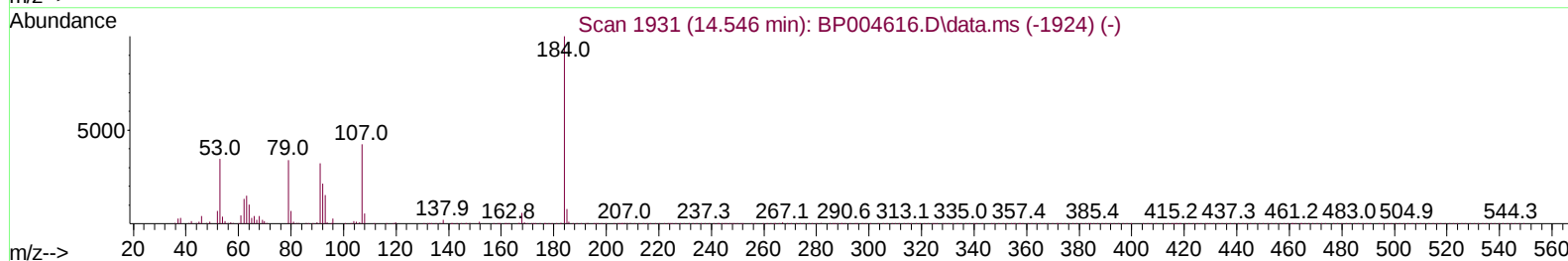
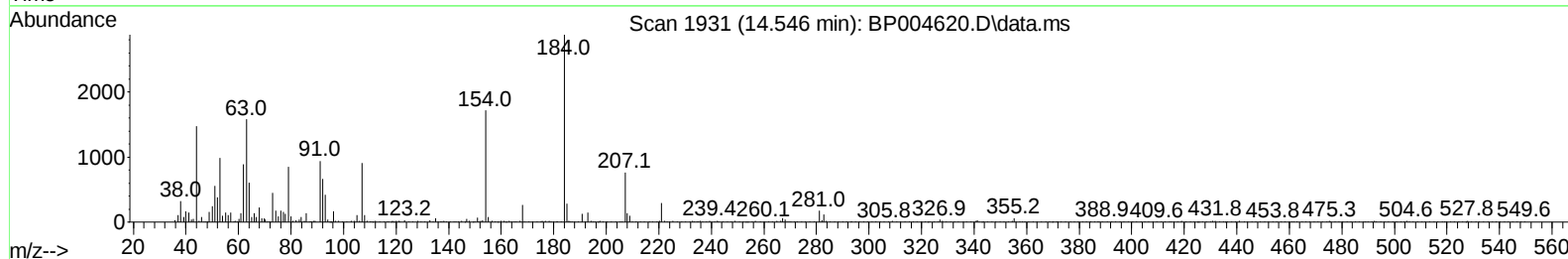
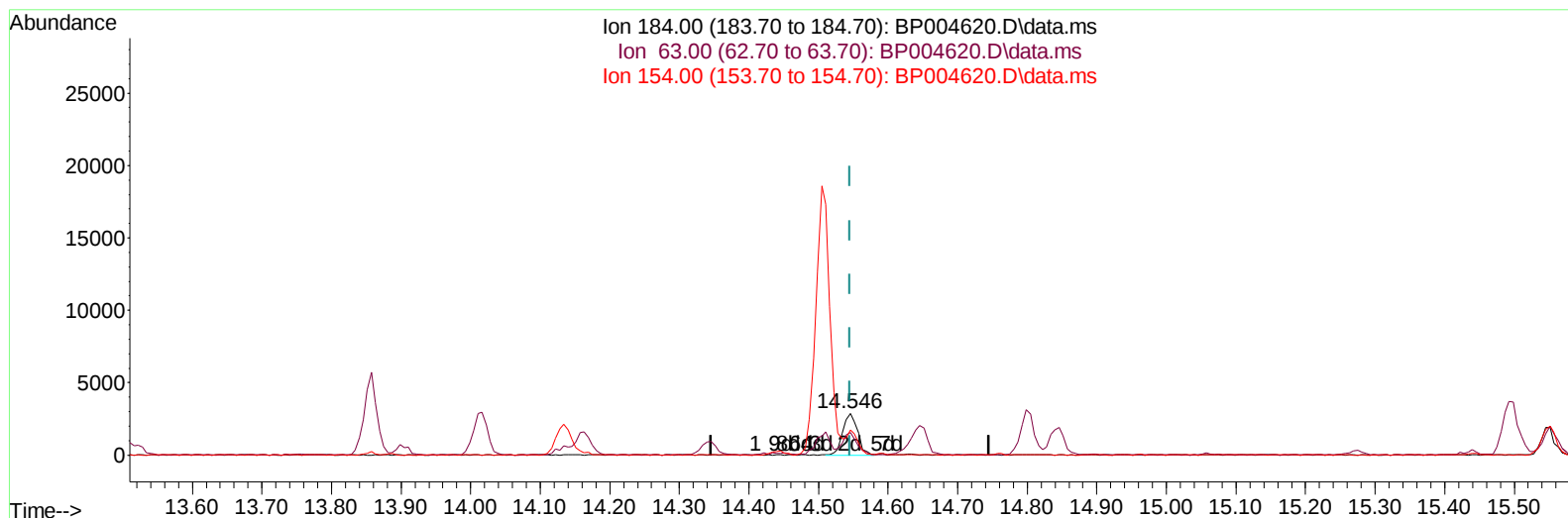
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 Operator : CG/JU  
 Sample : L5214-03  
 Misc : SFAM-MDL-S-01  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
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Manual Integrations  
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TIC: BP004620.D\data.ms

**(53) 2,4-Dinitrophenol**

**14.546min (+ 0.000) 3.33 ng/ul m**

**response 4217**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 63.00  | 69.50  | 54.79# |
| 154.00 | 64.00  | 59.66  |
| 0.00   | 0.00   | 0.00   |

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| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.793  | 152  | 40054    | 20.00 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.593 | 136  | 140089   | 20.00 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.440 | 164  | 107852   | 20.00 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.198 | 188  | 263087   | 20.00 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.281 | 240  | 291297   | 20.00 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.604 | 264  | 279309   | 20.00 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8             | 3.276  | 96   | 3120m    | 3.77  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.687  | 84   | 39807    | 17.81 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.958  | 99   | 107887   | 34.52 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.128  | 67   | 65227    | 37.82 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.328  | 132  | 83016    | 34.73 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.499  | 113  | 87646    | 34.09 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.952  | 128  | 37726    | 34.06 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.675  | 143  | 47752    | 33.04 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.211 | 165  | 102594   | 33.29 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.728 | 131  | 108636   | 33.02 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.857 | 166  | 335936   | 36.63 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.134 | 160  | 395289   | 37.75 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.634 | 143  | 45322    | 32.34 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.440 | 176  | 293698   | 36.23 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.551 | 200  | 59147    | 31.02 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.298 | 188  | 475761   | 35.98 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.534 | 212  | 583165   | 35.31 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.457 | 264  | 569861   | 36.64 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |       |        |          |
|                               |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane                | 3.311  | 88   | 1245     | 1.44  | ng/uL  | 93       |
| 5) Pyridine                   | 3.717  | 79   | 8532     | 3.78  | ng/ul# | 68       |
| 6) Benzaldehyde               | 6.940  | 77   | 7738     | 5.22  | ng/ul  | 93       |
| 8) Phenol                     | 6.987  | 94   | 12501    | 3.94  | ng/ul  | 92       |
| 10) Bis(2-Chloroethyl)ether   | 7.222  | 93   | 10162    | 4.22  | ng/ul  | 87       |
| 12) 2-Chlorophenol            | 7.358  | 128  | 9360     | 3.94  | ng/ul  | 94       |
| 13) 2-Methylphenol            | 8.234  | 108  | 9484     | 3.79  | ng/ul  | 83       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.322  | 45   | 10214m   | 4.20  | ng/ul  |          |
| 16) Acetophenone              | 8.616  | 105  | 15576    | 3.68  | ng/ul  | 94       |
| 17) N-Nitroso-di-n-propyla... | 8.605  | 70   | 8170     | 3.64  | ng/ul  | 95       |
| 18) 4-Methylphenol            | 8.564  | 108  | 10175    | 3.77  | ng/ul  | 83       |
| 19) Hexachloroethane          | 8.875  | 117  | 4403     | 3.61  | ng/ul  | 90       |
| 22) Nitrobenzene              | 8.993  | 77   | 13152    | 3.95  | ng/ul# | 90       |
| 23) Isophorone                | 9.522  | 82   | 20997    | 3.46  | ng/ul  | 98       |
| 25) 2-Nitrophenol             | 9.699  | 139  | 5487     | 3.86  | ng/ul# | 88       |
| 26) 2,4-Dimethylphenol        | 9.769  | 107  | 12011    | 3.80  | ng/ul# | 91       |
| 27) Bis(2-Chloroethoxy)met... | 10.011 | 93   | 12269    | 3.96  | ng/ul  | 98       |
| 29) 2,4-Dichlorophenol        | 10.234 | 162  | 11724    | 4.03  | ng/ul# | 75       |
| 30) Naphthalene               | 10.640 | 128  | 30819    | 3.99  | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.752 | 127  | 12438    | 3.87  | ng/ul  | 96       |
| 33) Hexachlorobutadiene       | 10.934 | 225  | 10563    | 4.12  | ng/ul  | 97       |
| 34) Caprolactam               | 11.546 | 113  | 2413m    | 3.02  | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.875 | 107  | 10804    | 3.78  | ng/ul  | 95       |

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| Compound                      | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.257 | 142  | 24925    | 4.04 | ng/ul  | 97       |
| 37) 1-Methylnaphthalene       | 12.475 | 142  | 23576    | 3.98 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.622 | 216  | 19426    | 4.50 | ng/ul  | 90       |
| 40) Hexachlorocyclopentadiene | 12.610 | 237  | 11352    | 3.43 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.863 | 196  | 10060    | 3.77 | ng/ul  | 93       |
| 42) 2,4,5-Trichlorophenol     | 12.934 | 196  | 10942    | 3.92 | ng/ul  | 92       |
| 43) 1,1'-Biphenyl             | 13.275 | 154  | 34438    | 4.09 | ng/ul# | 99       |
| 44) 2-Chloronaphthalene       | 13.310 | 162  | 28153    | 4.04 | ng/ul  | 94       |
| 45) 2-Nitroaniline            | 13.516 | 65   | 5968     | 3.12 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 13.904 | 163  | 36526    | 3.98 | ng/ul# | 99       |
| 48) 2,6-Dinitrotoluene        | 14.010 | 165  | 6521     | 3.49 | ng/ul  | 99       |
| 50) Acenaphthylene            | 14.163 | 152  | 39329    | 3.96 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.346 | 138  | 4863     | 3.93 | ng/ul  | 84       |
| 52) Acenaphthene              | 14.504 | 153  | 28005    | 3.95 | ng/ul  | 94       |
| 53) 2,4-Dinitrophenol         | 14.546 | 184  | 4217m    | 3.33 | ng/ul  |          |
| 55) 4-Nitrophenol             | 14.646 | 109  | 6566     | 3.76 | ng/ul# | 71       |
| 56) Dibenzofuran              | 14.846 | 168  | 44437    | 4.14 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.804 | 165  | 8994     | 3.43 | ng/ul  | 90       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.069 | 232  | 10075    | 3.62 | ng/ul# | 95       |
| 59) Diethylphthalate          | 15.275 | 149  | 33147    | 3.71 | ng/ul  | 98       |
| 61) Fluorene                  | 15.493 | 166  | 35696    | 3.95 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.493 | 204  | 21161    | 3.98 | ng/ul  | 95       |
| 63) 4-Nitroaniline            | 15.504 | 138  | 4914     | 4.04 | ng/ul  | 86       |
| 66) 4,6-Dinitro-2-methylph... | 15.563 | 198  | 7011     | 3.50 | ng/ul# | 62       |
| 67) N-Nitrosodiphenylamine    | 15.704 | 169  | 30688    | 3.88 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.393 | 248  | 14356    | 3.90 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.498 | 284  | 17147    | 4.16 | ng/ul  | 95       |
| 70) Atrazine                  | 16.663 | 200  | 13548    | 3.72 | ng/ul  | 94       |
| 71) Pentachlorophenol         | 16.840 | 266  | 8756     | 3.31 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.240 | 178  | 62103    | 4.08 | ng/ul  | 99       |
| 74) Anthracene                | 17.328 | 178  | 60900    | 3.91 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.234 | 216  | 18056    | 4.18 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 14.757 | 250  | 18725    | 3.95 | ng/uL  | 93       |
| 77) Carbazole                 | 17.598 | 167  | 49996    | 3.88 | ng/ul  | 97       |
| 78) Di-n-butylphthalate       | 18.169 | 149  | 52837    | 3.44 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.210 | 202  | 78162    | 3.71 | ng/ul  | 98       |
| 82) Pyrene                    | 19.563 | 202  | 80554    | 3.79 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.445 | 149  | 23376    | 3.35 | ng/ul  | 88       |
| 84) 3,3'-Dichlorobenzidine    | 21.198 | 252  | 23653    | 3.25 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.263 | 228  | 78682    | 3.96 | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.204 | 149  | 34731    | 3.46 | ng/ul  | 99       |
| 87) Chrysene                  | 21.316 | 228  | 75834    | 4.01 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.110 | 149  | 57534    | 3.66 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.898 | 252  | 81669    | 4.35 | ng/ul# | 97       |
| 91) Benzo(k)fluoranthene      | 22.945 | 252  | 75464    | 4.09 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 23.498 | 252  | 71919    | 4.22 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.992 | 276  | 94246    | 4.26 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 26.010 | 278  | 79641    | 4.22 | ng/ul# | 97       |
| 96) Benzo(g,h,i)perylene      | 26.721 | 276  | 79668    | 4.35 | ng/ul  | 99       |

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

**Instrument :**  
BNA\_P  
**ClientSampleId :**  
MDL-SOIL-QT1-2021-01

**Manual Integrations**  
**APPROVED**

mohammad  
1/26/2021 12:53:41 PM

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP012521\  
 Data File : BP004620.D  
 Acq On : 25 Jan 2021 12:16  
 Operator : CG/JU  
 Sample : L5214-03  
 Misc : SFAM-MDL-S-01  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-SOIL-QT1-2021-01

Manual Integrations  
 APPROVED

mohammad  
 1/26/2021 12:53:41 PM

Quant Time: Jan 25 12:46:08 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SFAM-EPA-BP012221.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jan 25 10:20:29 2021  
 Response via : Initial Calibration

