

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG013023\  
 Data File : BG056476.D  
 Acq On : 30 Jan 2023 19:18  
 Operator : CG/JU  
 Sample : N3980-01  
 Misc : LOD-MDL-SOIL 8ppm  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2022

Quant Time: Jan 31 03:05:11 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jan 28 00:39:13 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.279  | 152  | 27860    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.111 | 136  | 105624   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.895 | 164  | 87099    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.633 | 188  | 246143   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.922 | 240  | 255841   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.347 | 264  | 279625   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.800  | 112  | 166821   | 110.151 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.421  | 99   | 233644   | 104.121 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.454  | 82   | 133718   | 71.889  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.381 | 330  | 137182   | 118.472 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.520 | 172  | 458155   | 72.928  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.212 | 244  | 1016304  | 69.770  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.602  | 88   | 5515     | 8.745   | ng    | 93       |
| 3) Pyridine                   | 4.031  | 79   | 12599    | 6.702   | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.937  | 42   | 2997     | 7.497   | ng    | # 60     |
| 6) Aniline                    | 7.592  | 93   | 21251    | 7.233   | ng    | # 97     |
| 8) 2-Chlorophenol             | 7.838  | 128  | 12131    | 7.291   | ng    | 95       |
| 9) Benzaldehyde               | 7.404  | 77   | 10590    | 7.964   | ng    | # 84     |
| 10) Phenol                    | 7.445  | 94   | 16775    | 7.355   | ng    | 92       |
| 11) bis(2-Chloroethyl)ether   | 7.680  | 93   | 11583    | 7.389   | ng    | 92       |
| 12) 1,3-Dichlorobenzene       | 8.168  | 146  | 15656    | 8.173   | ng    | 94       |
| 13) 1,4-Dichlorobenzene       | 8.314  | 146  | 15752    | 8.120   | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.314  | 146  | 15752    | 8.369   | ng    | 98       |
| 15) Benzyl Alcohol            | 8.514  | 79   | 10963    | 7.121   | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.802  | 45   | 2386     | 7.183   | ng    | # 86     |
| 17) 2-Methylphenol            | 8.720  | 107  | 11277    | 6.499   | ng    | 95       |
| 18) Hexachloroethane          | 9.378  | 117  | 4316     | 7.356   | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 9.078  | 70   | 9563     | 7.395   | ng    | 95       |
| 20) 3+4-Methylphenols         | 9.049  | 107  | 16269    | 6.691   | ng    | 93       |
| 22) Acetophenone              | 9.108  | 105  | 22281    | 7.939   | ng    | # 97     |
| 24) Nitrobenzene              | 9.495  | 77   | 13542    | 7.548   | ng    | 89       |
| 25) Isophorone                | 10.012 | 82   | 28728    | 7.486   | ng    | 96       |
| 26) 2-Nitrophenol             | 10.218 | 139  | 7895     | 7.253   | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 10.259 | 122  | 12407    | 6.810   | ng    | 95       |
| 28) bis(2-Chloroethoxy)met... | 10.488 | 93   | 16015    | 7.555   | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 10.759 | 162  | 15141    | 7.383   | ng    | 94       |
| 30) 1,2,4-Trichlorobenzene    | 10.964 | 180  | 18033    | 7.913   | ng    | 94       |
| 31) Naphthalene               | 11.164 | 128  | 43239    | 7.756   | ng    | 99       |
| 32) Benzoic acid              | 10.394 | 122  | 550      | 0.540   | ng    | # 78     |
| 33) 4-Chloroaniline           | 11.264 | 127  | 20006    | 7.688   | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.434 | 225  | 13121    | 8.203   | ng    | 97       |
| 35) Caprolactam               | 12.010 | 113  | 5380     | 7.779   | ng    | 93       |
| 36) 4-Chloro-3-methylphenol   | 12.363 | 107  | 15072    | 7.611   | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.745 | 142  | 33610    | 7.313   | ng    | 95       |
| 38) 1-Methylnaphthalene       | 12.745 | 142  | 33610    | 7.830   | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 13.109 | 216  | 25537    | 8.025   | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 13.079 | 237  | 6020     | 9.656   | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 13.344 | 196  | 15278    | 7.451   | ng    | 86       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG013023\  
 Data File : BG056476.D  
 Acq On : 30 Jan 2023 19:18  
 Operator : CG/JU  
 Sample : N3980-01  
 Misc : LOD-MDL-SOIL 8ppm  
 ALS Vial : 12 Sample Multiplier: 1

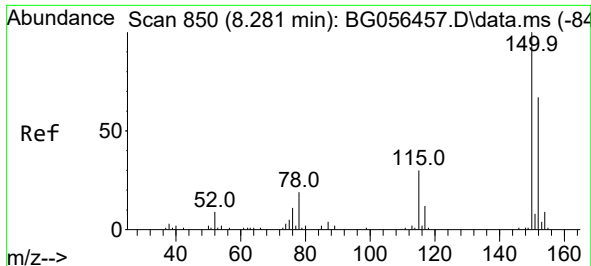
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2022

Quant Time: Jan 31 03:05:11 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jan 28 00:39:13 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.420 | 196  | 16811    | 7.002  | ng    | # 99     |
| 46) 1,1'-Biphenyl             | 13.732 | 154  | 50548    | 8.001  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.784 | 162  | 39776    | 8.055  | ng    | 97       |
| 48) 2-Nitroaniline            | 13.978 | 65   | 7402     | 7.251  | ng    | 84       |
| 49) Acenaphthylene            | 14.625 | 152  | 63287    | 7.877  | ng    | 99       |
| 50) Dimethylphthalate         | 14.331 | 163  | 57903    | 8.217  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.460 | 165  | 12266    | 7.982  | ng    | 98       |
| 52) Acenaphthene              | 14.960 | 154  | 37306    | 7.830  | ng    | 98       |
| 53) 3-Nitroaniline            | 14.795 | 138  | 11668    | 7.832  | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 15.012 | 184  | 3256     | 3.380  | ng    | 93       |
| 55) Dibenzofuran              | 15.289 | 168  | 68240    | 7.987  | ng    | 99       |
| 56) 4-Nitrophenol             | 15.106 | 139  | 7316     | 7.187  | ng    | 92       |
| 57) 2,4-Dinitrotoluene        | 15.247 | 165  | 18147    | 8.384  | ng    | # 98     |
| 58) Fluorene                  | 15.935 | 166  | 56478    | 8.307  | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.518 | 232  | 15583    | 7.300  | ng    | # 97     |
| 60) Diethylphthalate          | 15.682 | 149  | 55834    | 8.438  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.917 | 204  | 33217    | 8.007  | ng    | 95       |
| 62) 4-Nitroaniline            | 15.953 | 138  | 12708    | 8.525  | ng    | 97       |
| 63) Azobenzene                | 16.211 | 77   | 37602    | 8.259  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 16.011 | 198  | 10367    | 5.991  | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 16.129 | 169  | 52361    | 7.513  | ng    | 96       |
| 67) 4-Bromophenyl-phenylether | 16.810 | 248  | 22963    | 7.287  | ng    | 95       |
| 68) Hexachlorobenzene         | 16.940 | 284  | 24600    | 7.971  | ng    | 94       |
| 69) Atrazine                  | 17.063 | 200  | 24904    | 9.263  | ng    | 97       |
| 70) Pentachlorophenol         | 17.292 | 266  | 7823     | 4.189  | ng    | 94       |
| 71) Phenanthrene              | 17.674 | 178  | 102466   | 7.954  | ng    | 98       |
| 72) Anthracene                | 17.768 | 178  | 105538   | 7.981  | ng    | 97       |
| 73) Carbazole                 | 18.032 | 167  | 93114    | 8.267  | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.561 | 149  | 91175    | 7.710  | ng    | 99       |
| 75) Fluoranthene              | 19.672 | 202  | 136850   | 8.417  | ng    | 97       |
| 77) Benzidine                 | 19.836 | 184  | 76522    | 11.053 | ng    | 97       |
| 78) Pyrene                    | 20.030 | 202  | 139063   | 7.643  | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.882 | 149  | 39444    | 7.098  | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.898 | 228  | 139179   | 7.781  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.804 | 252  | 58038    | 9.011  | ng    | # 98     |
| 83) Chrysene                  | 21.969 | 228  | 129528   | 7.708  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.763 | 149  | 57896    | 7.267  | ng    | 96       |
| 85) Di-n-octyl phthalate      | 23.032 | 149  | 97364    | 7.338  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 29.272 | 276  | 156084   | 7.625  | ng    | # 95     |
| 88) Benzo(b)fluoranthene      | 24.243 | 252  | 144965   | 8.352  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.319 | 252  | 141492   | 8.075  | ng    | 99       |
| 90) Benzo(a)pyrene            | 25.177 | 252  | 126407   | 7.394  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 29.331 | 278  | 136607   | 7.951  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 30.500 | 276  | 131080   | 7.907  | ng    | 97       |

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

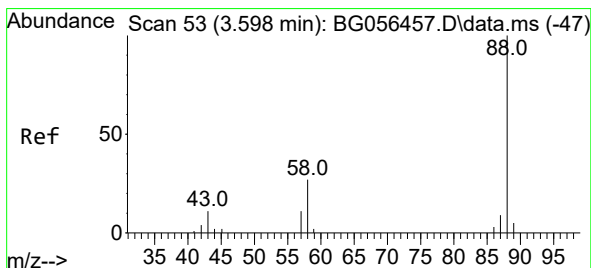
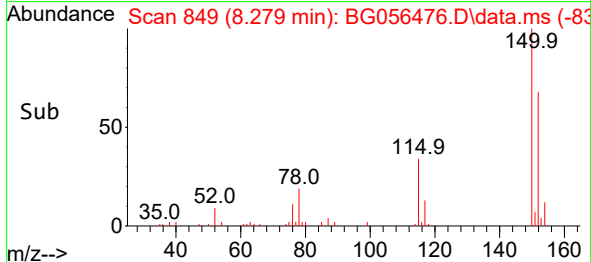
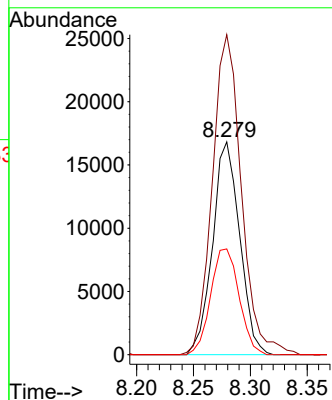
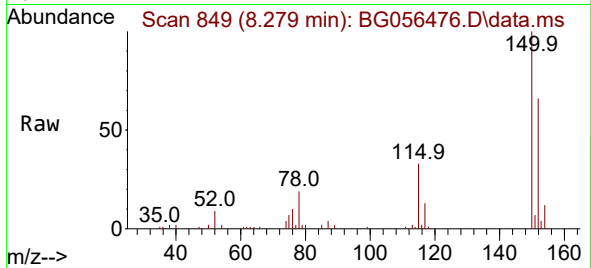




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.279 min Scan# 84  
 Delta R.T. -0.002 min  
 Lab File: BG056476.D  
 Acq: 30 Jan 2023 19:18

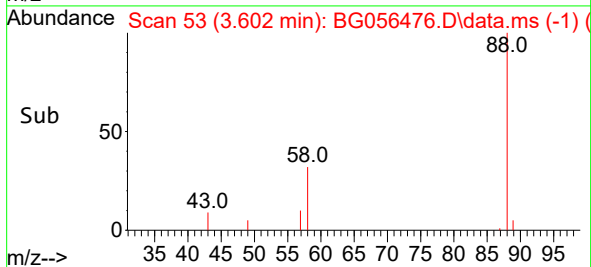
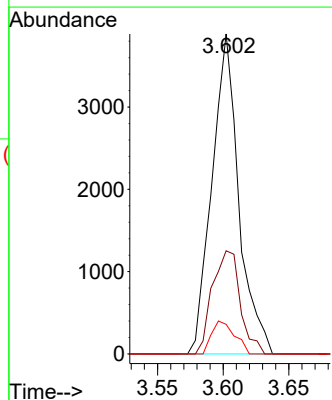
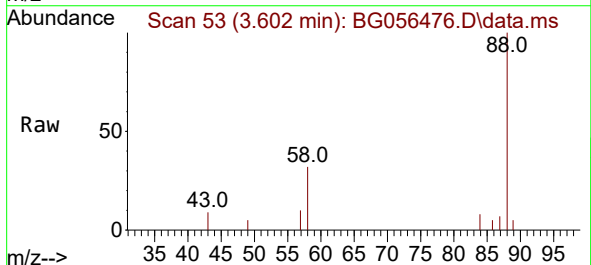
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2022

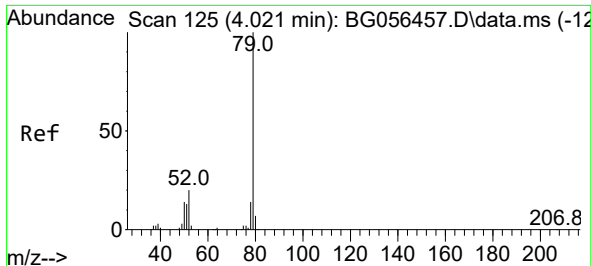
Tgt Ion:152 Resp: 27860  
 Ion Ratio Lower Upper  
 152 100  
 150 150.4 120.2 180.4  
 115 49.7 36.3 54.5



#2  
 1,4-Dioxane  
 Concen: 8.745 ng  
 RT: 3.602 min Scan# 53  
 Delta R.T. 0.004 min  
 Lab File: BG056476.D  
 Acq: 30 Jan 2023 19:18

Tgt Ion: 88 Resp: 5515  
 Ion Ratio Lower Upper  
 88 100  
 58 33.5 23.0 34.4  
 43 8.8 8.0 12.0

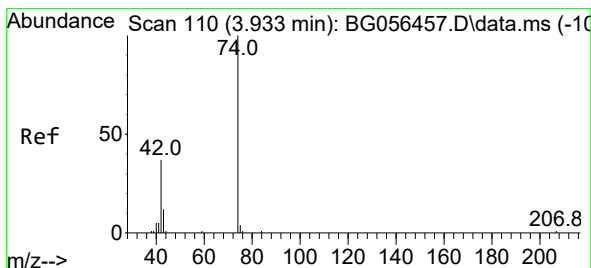
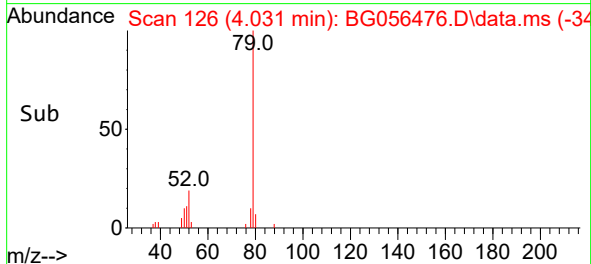
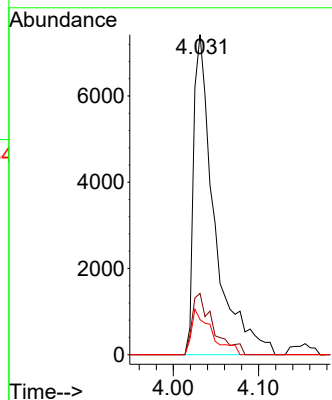
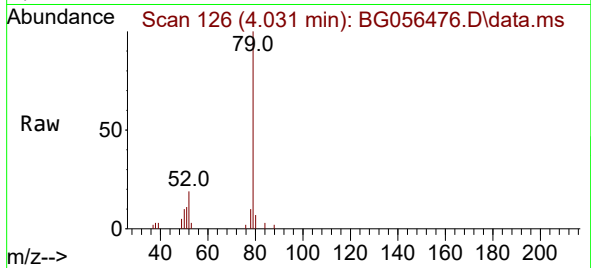




#3  
Pyridine  
Concen: 6.702 ng  
RT: 4.031 min Scan# 11  
Delta R.T. 0.010 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

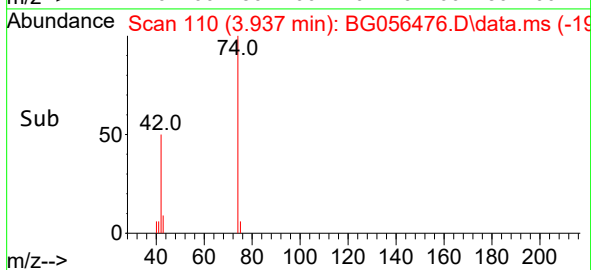
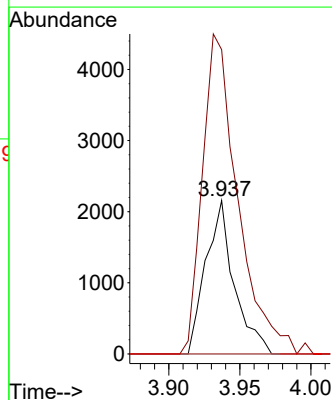
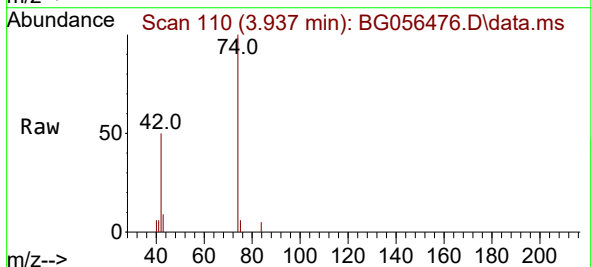
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

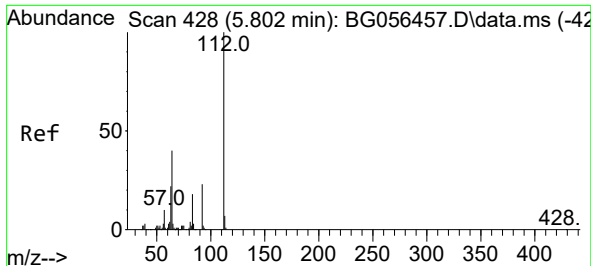
Tgt Ion: 79 Resp: 12599  
Ion Ratio Lower Upper  
79 100  
52 19.1 16.1 24.1  
51 11.0 10.7 16.1



#4  
n-Nitrosodimethylamine  
Concen: 7.497 ng  
RT: 3.937 min Scan# 110  
Delta R.T. 0.004 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

Tgt Ion: 42 Resp: 2997  
Ion Ratio Lower Upper  
42 100  
74 198.4 217.9 326.9#  
44 0.0 3.0 4.6#

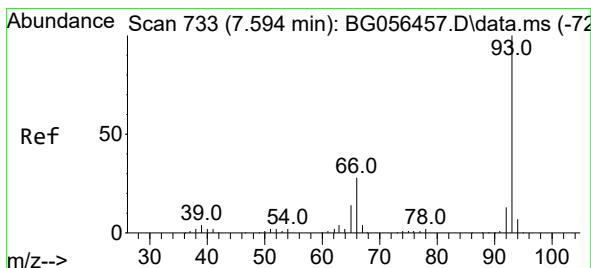
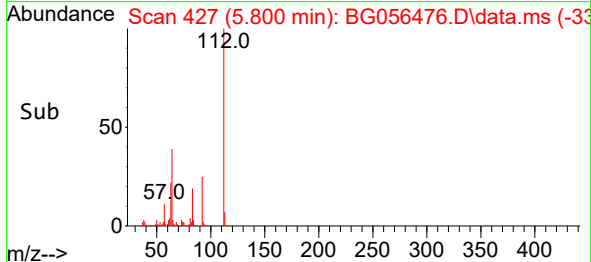
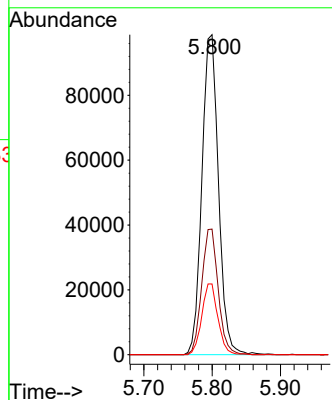
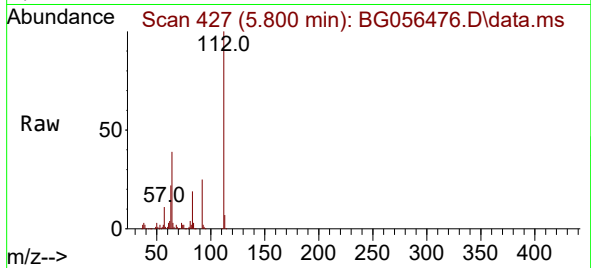




#5  
2-Fluorophenol  
Concen: 110.151 ng  
RT: 5.800 min Scan# 41  
Delta R.T. -0.002 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

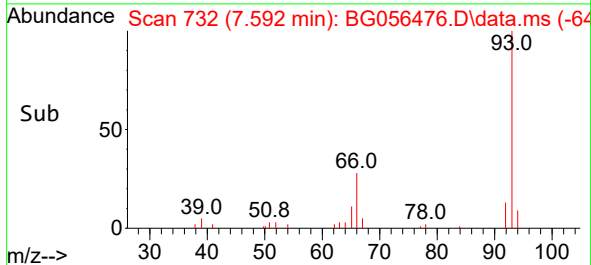
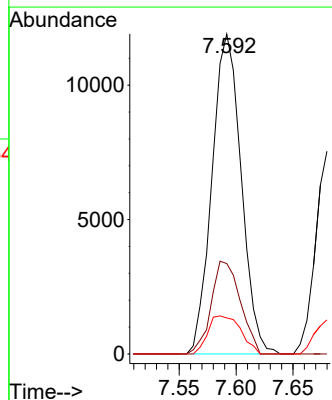
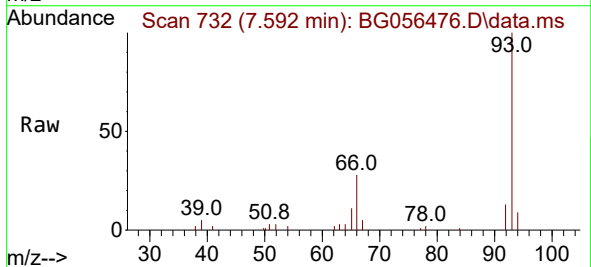
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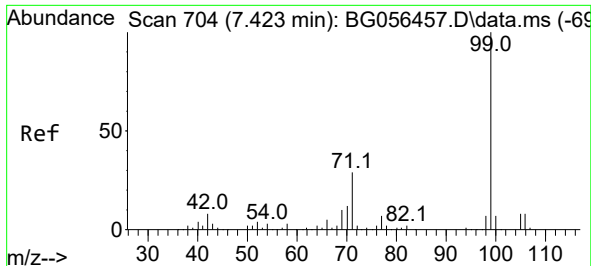
Tgt Ion:112 Resp: 166821  
Ion Ratio Lower Upper  
112 100  
64 39.2 31.9 47.9  
63 22.1 17.4 26.0



#6  
Aniline  
Concen: 7.233 ng  
RT: 7.592 min Scan# 732  
Delta R.T. -0.002 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

Tgt Ion: 93 Resp: 21251  
Ion Ratio Lower Upper  
93 100  
66 28.3 22.2 33.2  
65 11.2 11.3 16.9#

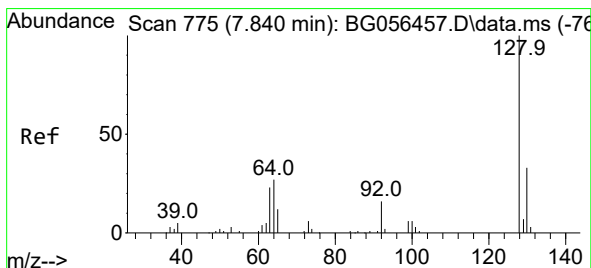
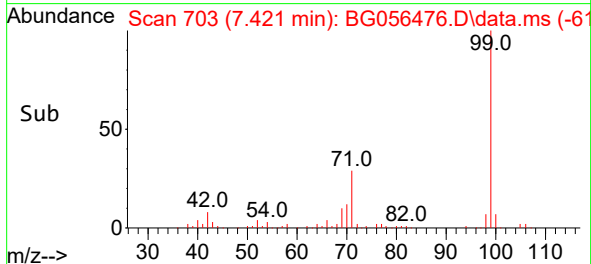
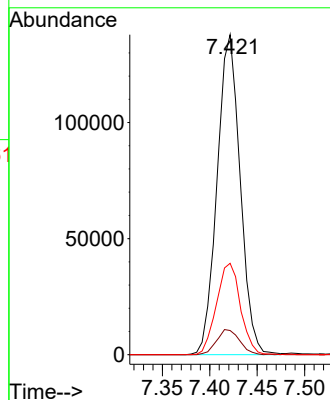
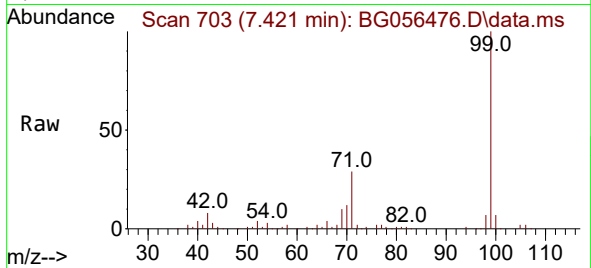




#7  
Phenol-d6  
Concen: 104.121 ng  
RT: 7.421 min Scan# 703  
Delta R.T. -0.002 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

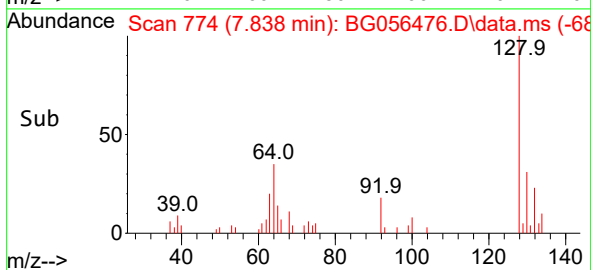
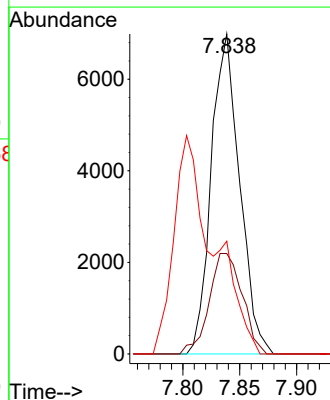
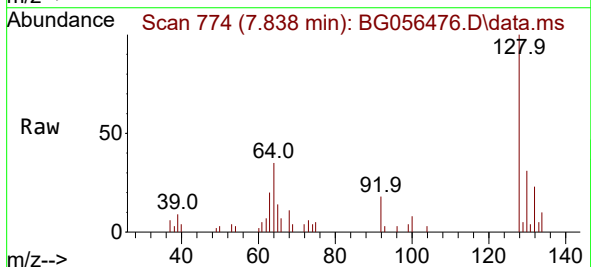
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

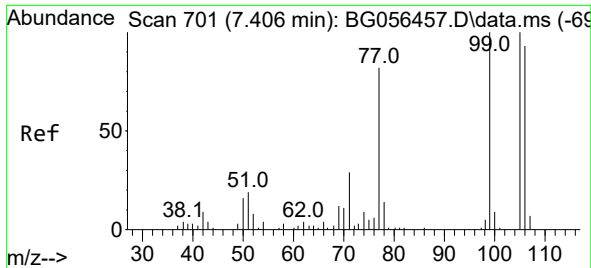
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Ion Ratio Lower Upper  
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71 28.6 23.4 35.0



#8  
2-Chlorophenol  
Concen: 7.291 ng  
RT: 7.838 min Scan# 774  
Delta R.T. -0.002 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

Tgt Ion:128 Resp: 12131  
Ion Ratio Lower Upper  
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130 31.4 12.8 52.8  
64 35.3 11.3 51.3

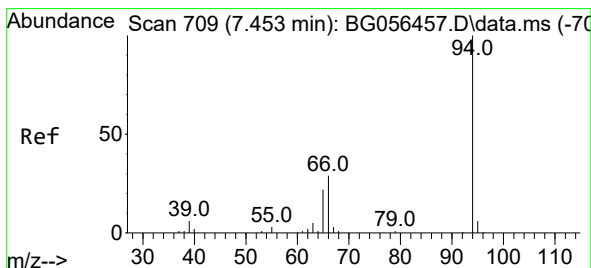
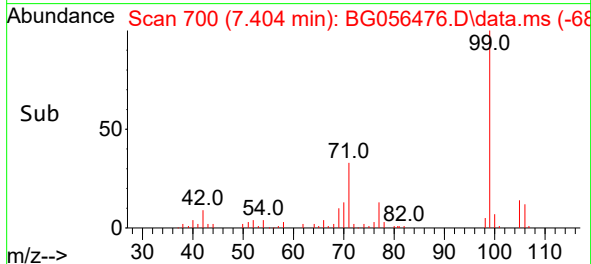
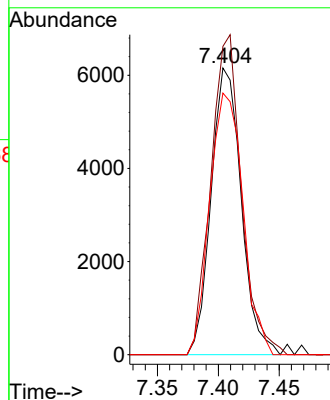
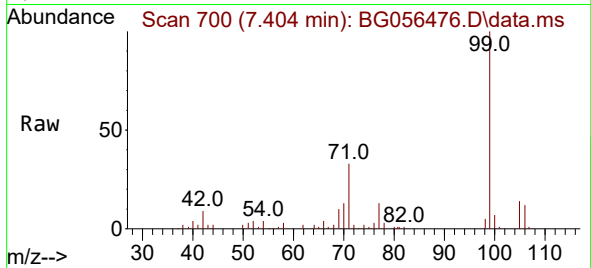




#9  
Benzaldehyde  
Concen: 7.964 ng  
RT: 7.404 min Scan# 701  
Delta R.T. -0.002 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

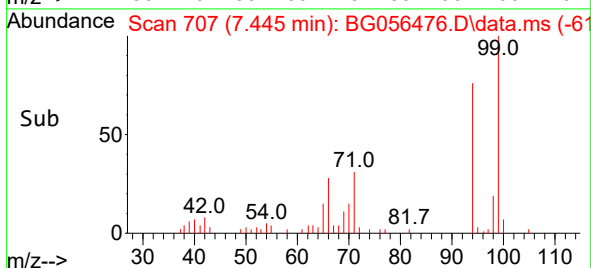
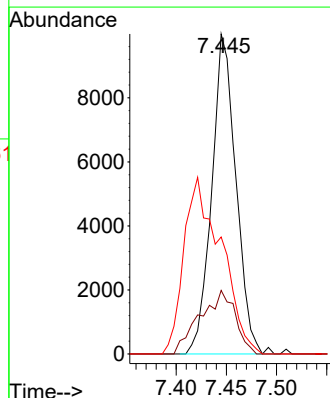
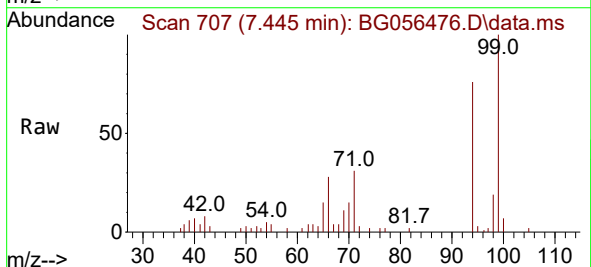
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

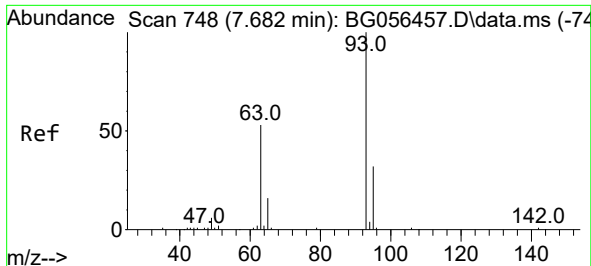
Tgt Ion: 77 Resp: 10590  
Ion Ratio Lower Upper  
77 100  
105 107.5 101.8 141.8  
106 91.3 93.0 133.0#



#10  
Phenol  
Concen: 7.355 ng  
RT: 7.445 min Scan# 707  
Delta R.T. -0.008 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

Tgt Ion: 94 Resp: 16775  
Ion Ratio Lower Upper  
94 100  
65 19.9 2.3 42.3  
66 36.6 11.2 51.2

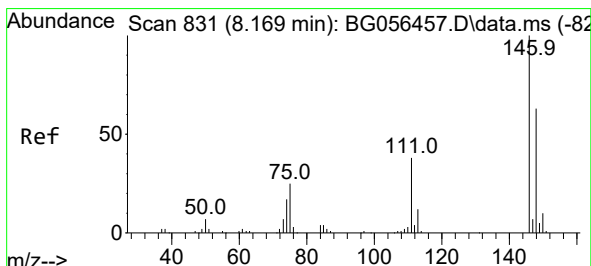
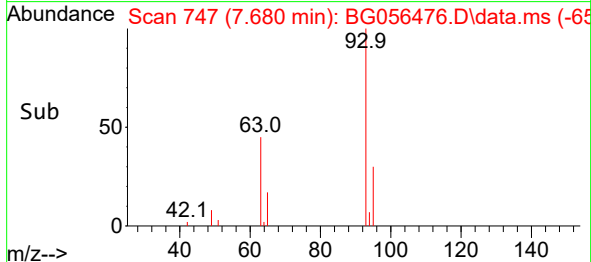
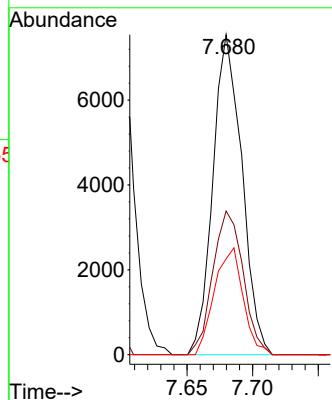
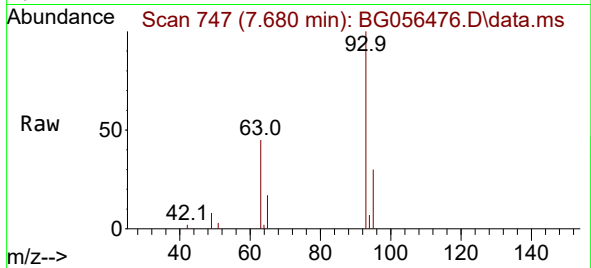




#11  
bis(2-Chloroethyl)ether  
Concen: 7.389 ng  
RT: 7.680 min Scan# 748  
Delta R.T. -0.002 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

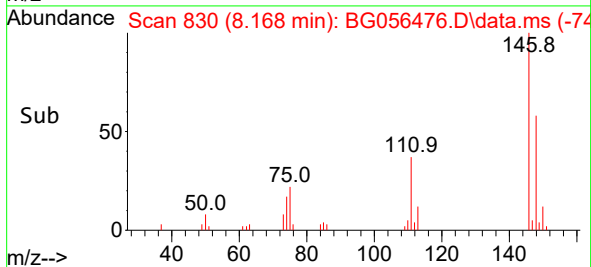
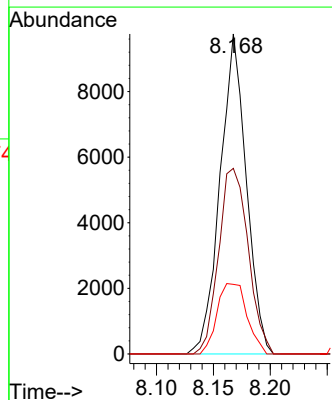
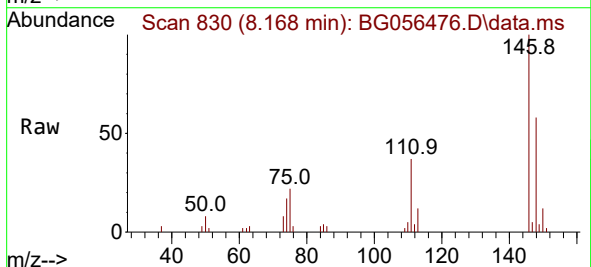
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

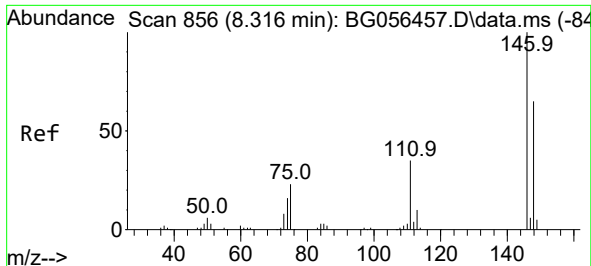
|             |             |
|-------------|-------------|
| Tgt Ion: 93 | Resp: 11583 |
| Ion Ratio   | Lower Upper |
| 93 100      |             |
| 63 44.9     | 32.4 72.4   |
| 95 30.0     | 11.8 51.8   |



#12  
1,3-Dichlorobenzene  
Concen: 8.173 ng  
RT: 8.168 min Scan# 830  
Delta R.T. -0.002 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:146 | Resp: | 15656 |       |
| Ion         | Ratio | Lower | Upper |
| 146         | 100   |       |       |
| 148         | 58.0  | 50.6  | 75.8  |
| 75          | 21.7  | 19.6  | 29.4  |





#13

1,4-Dichlorobenzene

Concen: 8.120 ng

RT: 8.314 min Scan# 855

Delta R.T. -0.002 min

Lab File: BG056476.D

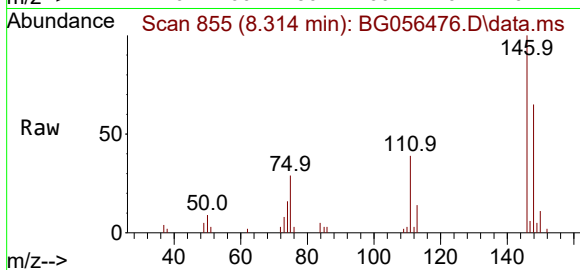
Acq: 30 Jan 2023 19:18

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



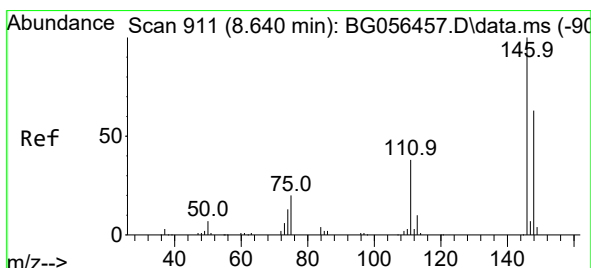
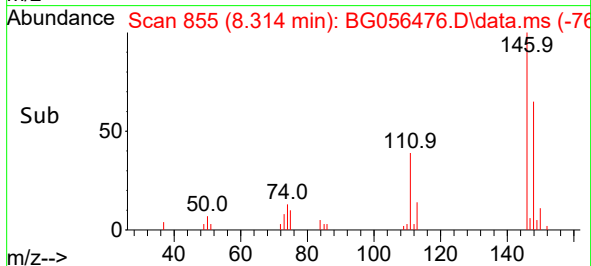
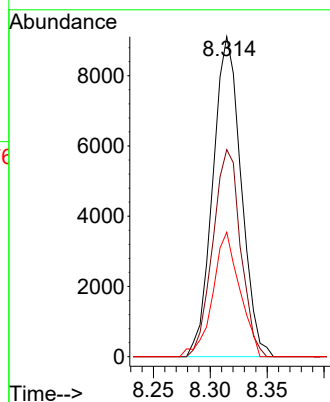
Tgt Ion:146 Resp: 15752

Ion Ratio Lower Upper

146 100

148 64.7 51.8 77.6

111 38.9 28.6 42.8



#14

1,2-Dichlorobenzene

Concen: 8.369 ng

RT: 8.314 min Scan# 855

Delta R.T. -0.325 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

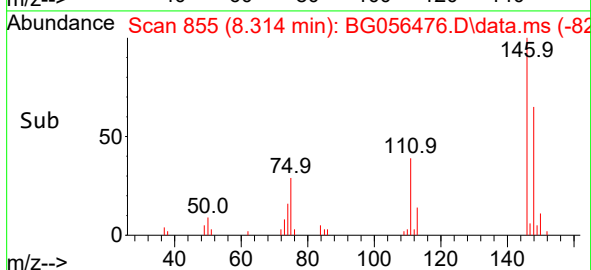
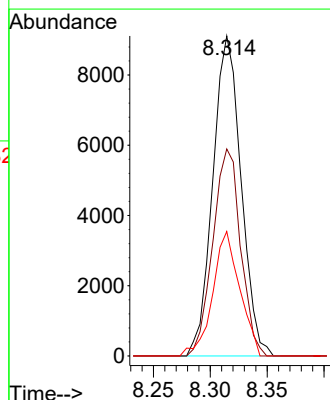
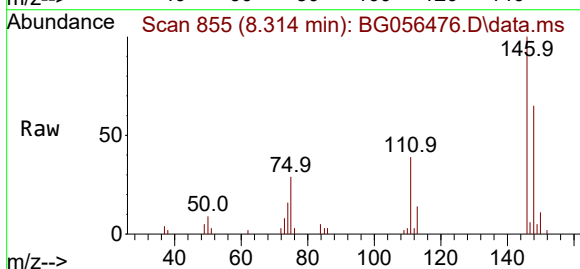
Tgt Ion:146 Resp: 15752

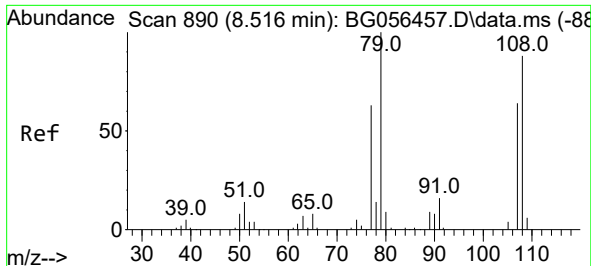
Ion Ratio Lower Upper

146 100

148 64.7 50.1 75.1

111 38.9 30.9 46.3

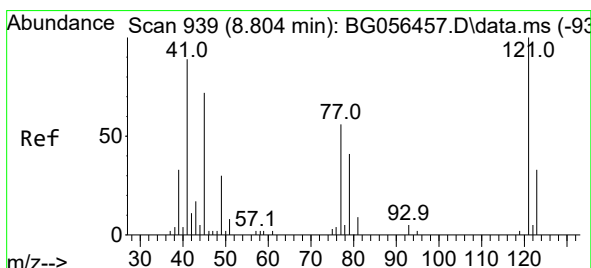
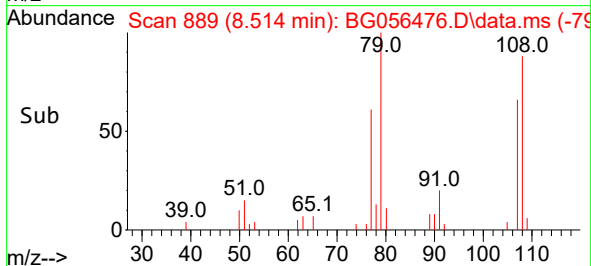
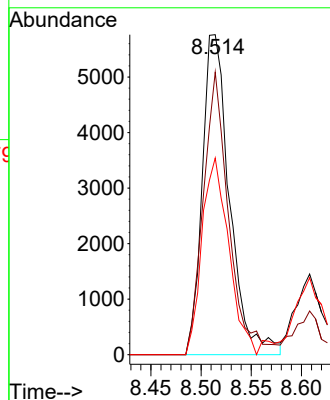
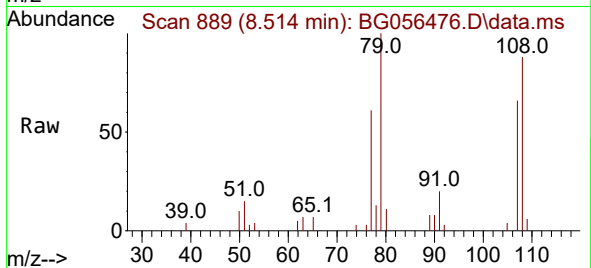




#15  
Benzyl Alcohol  
Concen: 7.121 ng  
RT: 8.514 min Scan# 890  
Delta R.T. -0.002 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

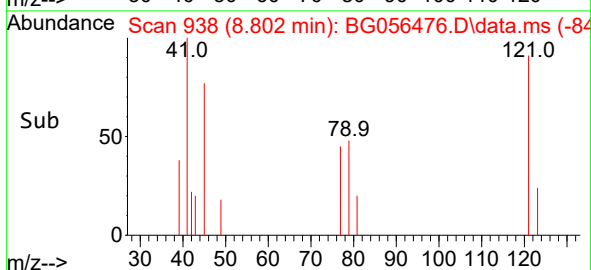
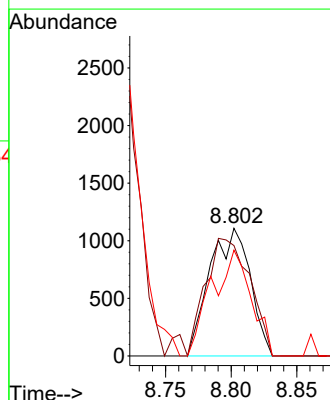
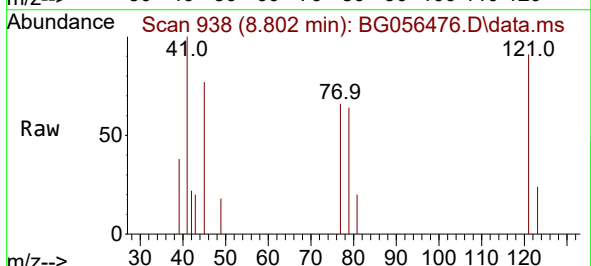
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

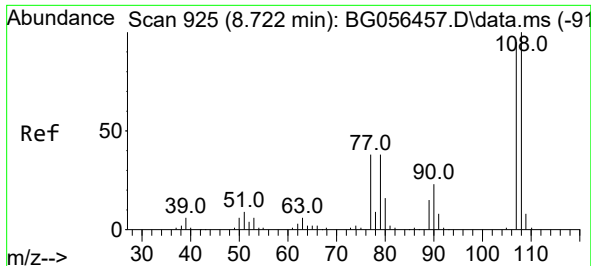
Tgt Ion: 79 Resp: 10963  
Ion Ratio Lower Upper  
79 100  
108 88.3 70.1 105.1  
77 61.5 50.3 75.5



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 7.183 ng  
RT: 8.802 min Scan# 938  
Delta R.T. -0.002 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

Tgt Ion: 45 Resp: 2386  
Ion Ratio Lower Upper  
45 100  
77 86.5 62.1 102.1  
79 82.8 42.7 82.7#

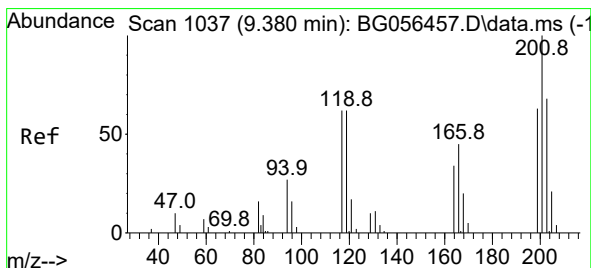
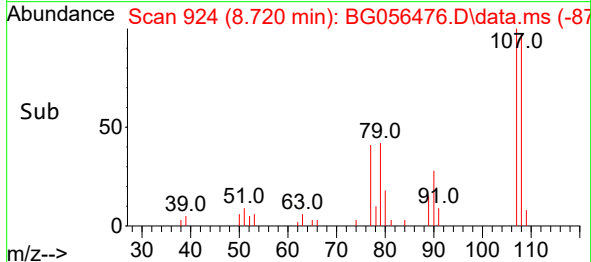
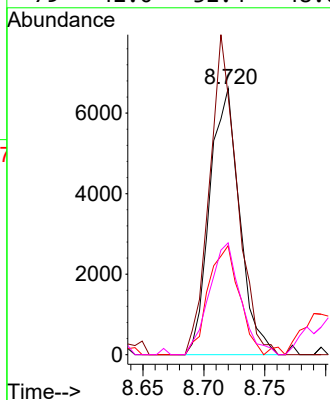
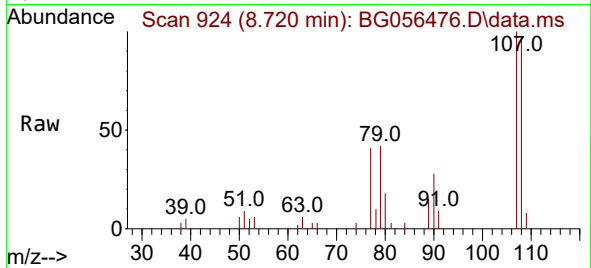




#17  
2-Methylphenol  
Concen: 6.499 ng  
RT: 8.720 min Scan# 91  
Delta R.T. -0.002 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

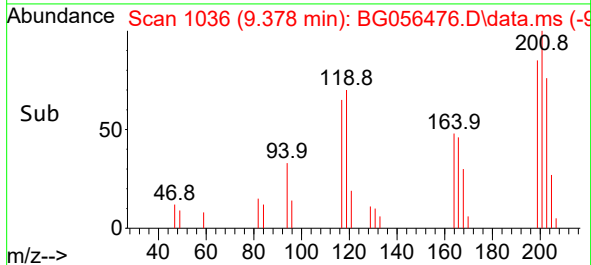
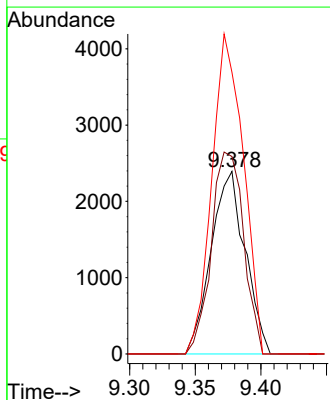
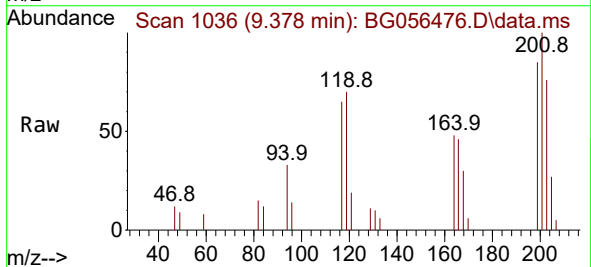
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

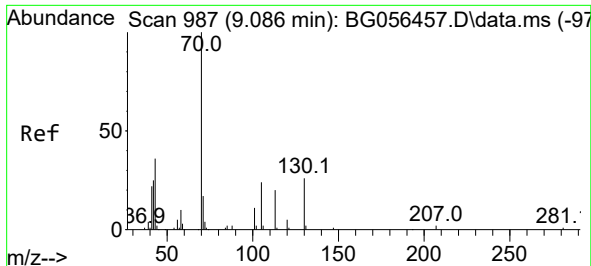
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 11277 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 97.4  | 83.9  | 125.9 |
| 77       | 41.0  | 31.6  | 47.4  |
| 79       | 42.0  | 32.4  | 48.6  |



#18  
Hexachloroethane  
Concen: 7.356 ng  
RT: 9.378 min Scan# 1036  
Delta R.T. -0.002 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 4316  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 108.2 | 79.4  | 119.0 |
| 201      | 154.2 | 128.5 | 192.7 |

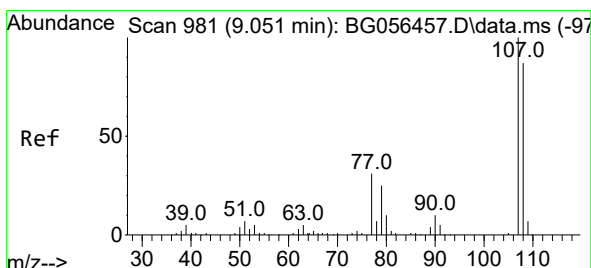
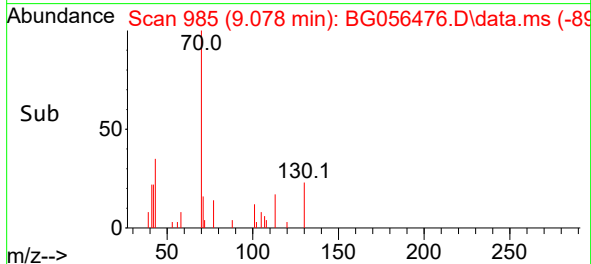
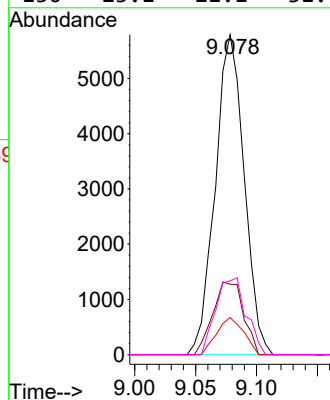
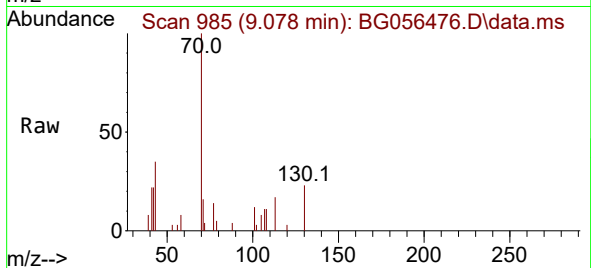




#19  
n-Nitroso-di-n-propylamine  
Concen: 7.395 ng  
RT: 9.078 min Scan# 91  
Delta R.T. -0.008 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

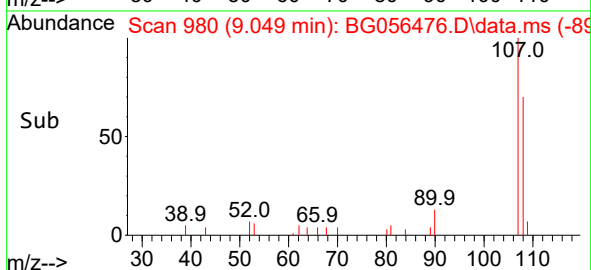
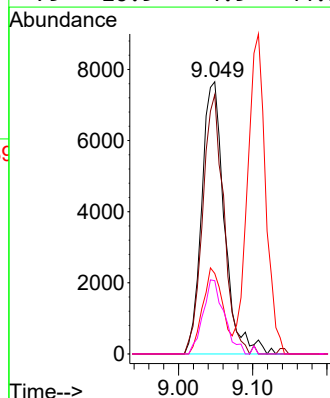
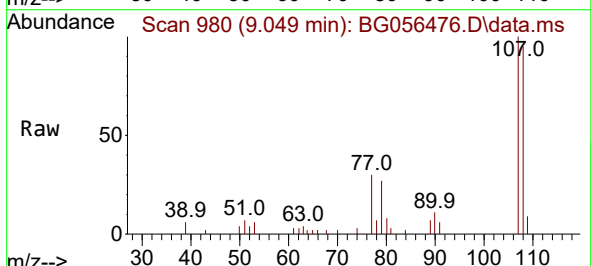
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

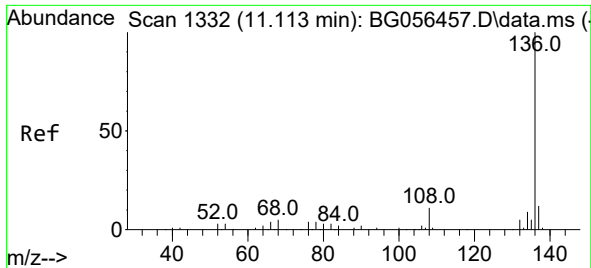
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 70 | Resp: | 9563        |
| Ion         | Ratio | Lower Upper |
| 70          | 100   |             |
| 42          | 22.0  | 20.2 30.4   |
| 101         | 11.6  | 9.1 13.7    |
| 130         | 23.1  | 21.1 31.7   |



#20  
3+4-Methylphenols  
Concen: 6.691 ng  
RT: 9.049 min Scan# 980  
Delta R.T. -0.002 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

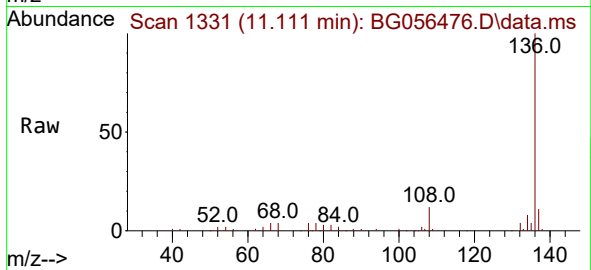
|              |       |             |
|--------------|-------|-------------|
| Tgt Ion: 107 | Resp: | 16269       |
| Ion          | Ratio | Lower Upper |
| 107          | 100   |             |
| 108          | 95.2  | 66.7 106.7  |
| 77           | 29.6  | 10.6 50.6   |
| 79           | 26.9  | 4.9 44.9    |



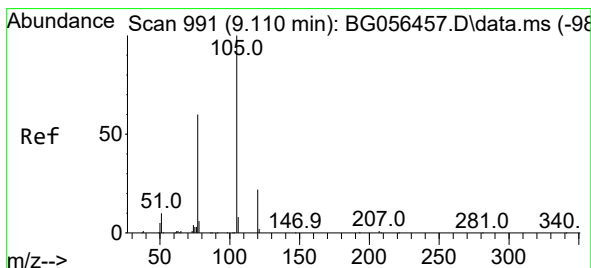
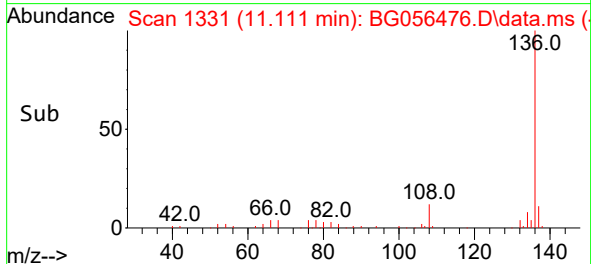
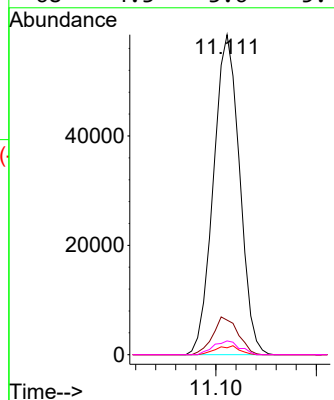


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.111 min Scan# 11  
Delta R.T. -0.002 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

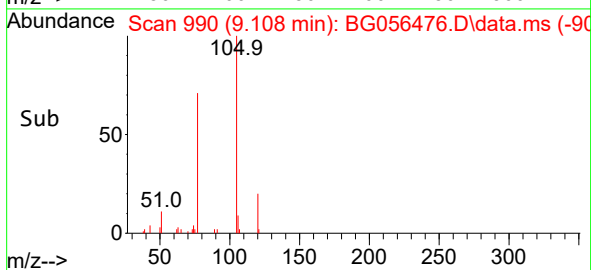
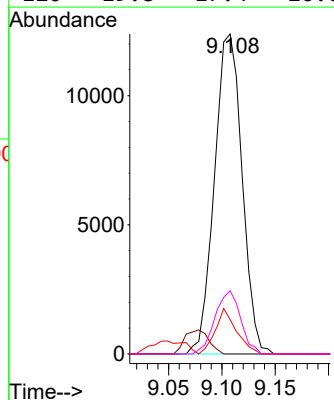
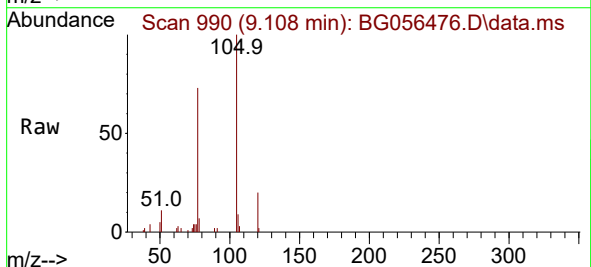


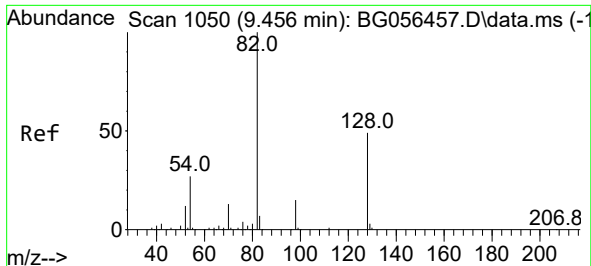
Tgt Ion:136 Resp: 105624  
Ion Ratio Lower Upper  
136 100  
137 10.8 9.4 14.0  
54 2.2 2.2 3.4#  
68 4.3 3.6 5.4



#22  
Acetophenone  
Concen: 7.939 ng  
RT: 9.108 min Scan# 990  
Delta R.T. -0.002 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

Tgt Ion:105 Resp: 22281  
Ion Ratio Lower Upper  
105 100  
71 0.0 0.6 0.8#  
51 10.8 9.2 13.8  
120 19.8 17.4 26.0





#23

Nitrobenzene-d5

Concen: 71.889 ng

RT: 9.454 min Scan# 1049

Delta R.T. -0.002 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

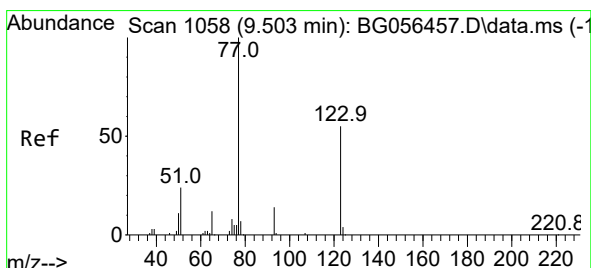
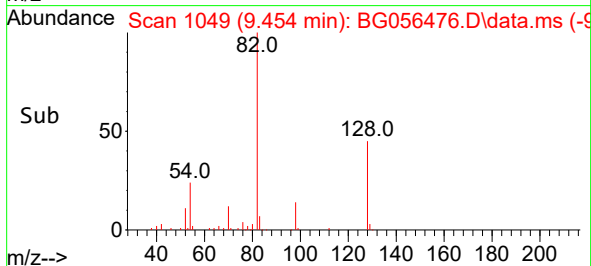
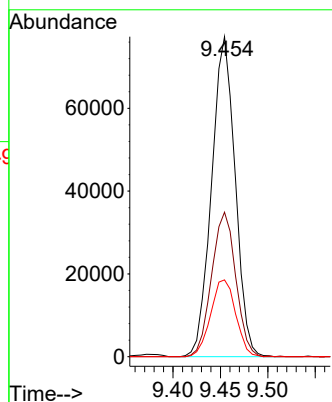
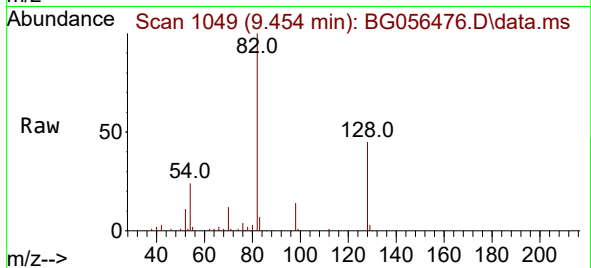
Tgt Ion: 82 Resp: 133718

Ion Ratio Lower Upper

82 100

128 45.1 39.4 59.2

54 24.0 21.4 32.2



#24

Nitrobenzene

Concen: 7.548 ng

RT: 9.495 min Scan# 1056

Delta R.T. -0.008 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

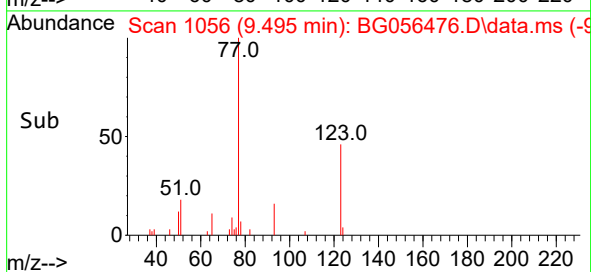
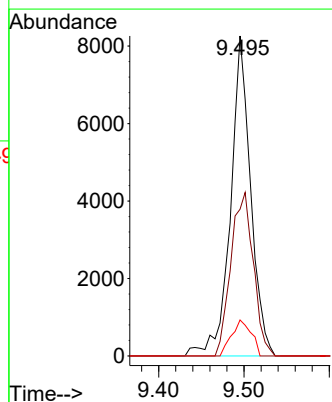
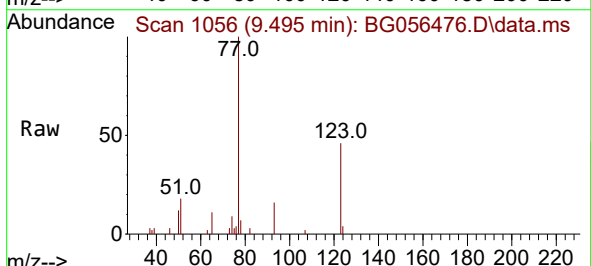
Tgt Ion: 77 Resp: 13542

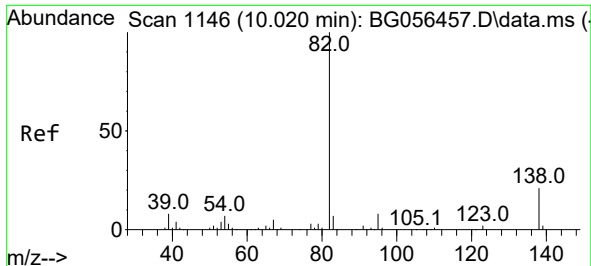
Ion Ratio Lower Upper

77 100

123 45.8 44.0 66.0

65 11.3 9.7 14.5

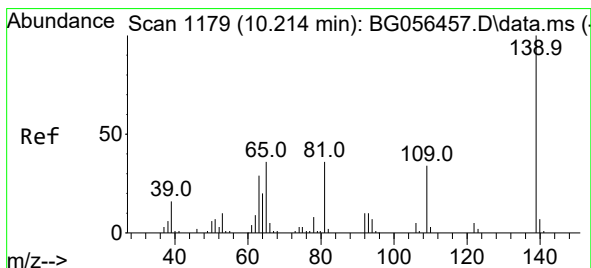
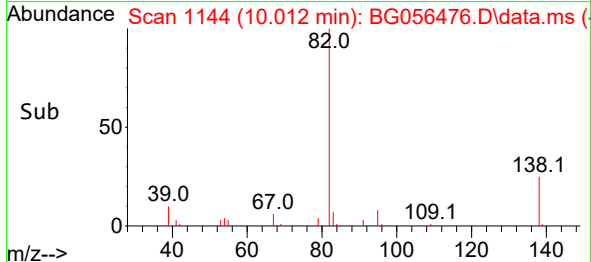
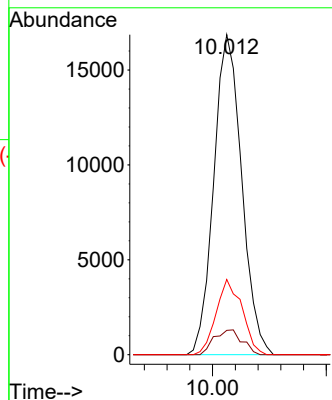
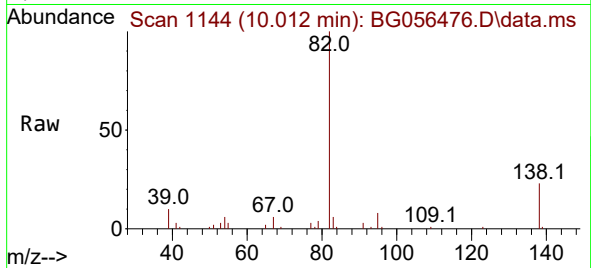




#25  
Isophorone  
Concen: 7.486 ng  
RT: 10.012 min Scan# 1146  
Delta R.T. -0.008 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

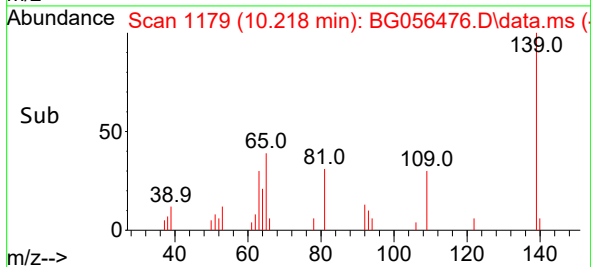
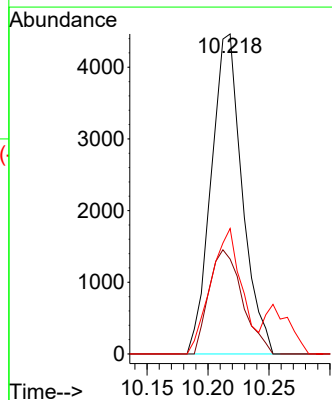
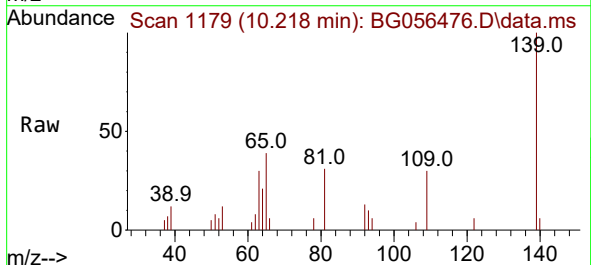
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

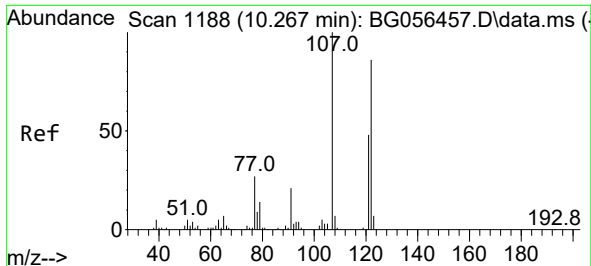
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 28728 |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 95        | 7.6   | 6.3   | 9.5   |
| 138       | 23.5  | 16.6  | 25.0  |



#26  
2-Nitrophenol  
Concen: 7.253 ng  
RT: 10.218 min Scan# 1179  
Delta R.T. 0.004 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 139   | Resp: | 7895 |
| Ion Ratio | Lower | Upper |      |
| 139       | 100   |       |      |
| 109       | 29.7  | 26.9  | 40.3 |
| 65        | 39.2  | 29.0  | 43.4 |

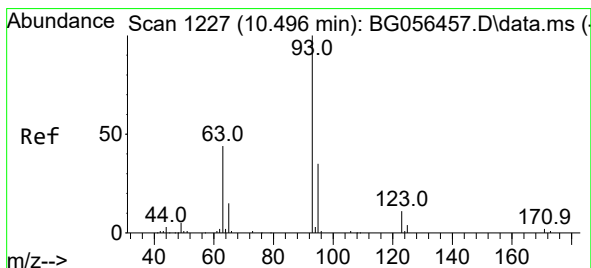
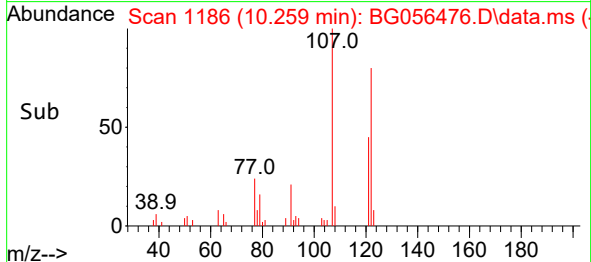
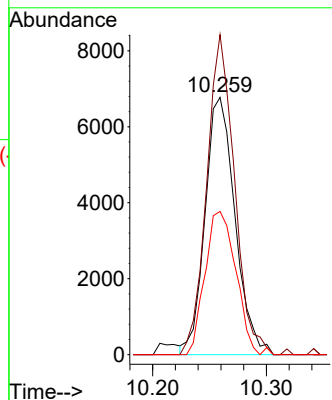
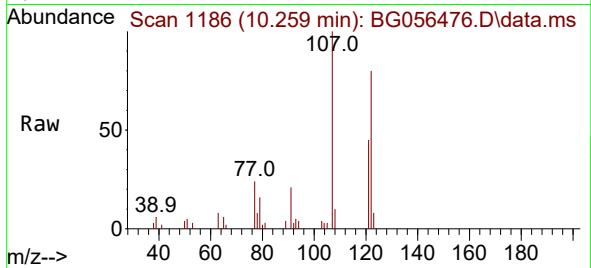




#27  
2,4-Dimethylphenol  
Concen: 6.810 ng  
RT: 10.259 min Scan# 1186  
Delta R.T. -0.008 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

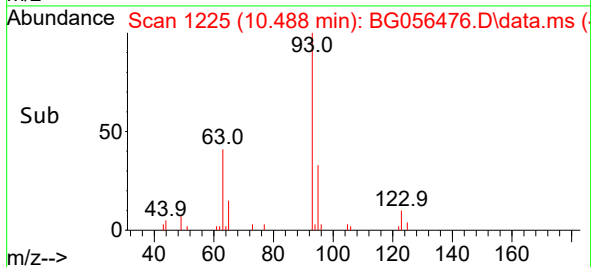
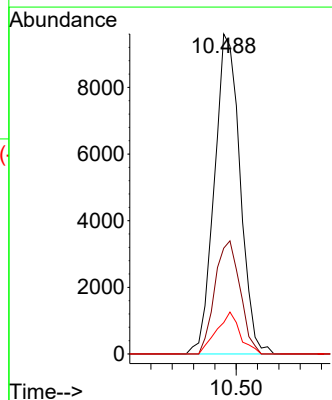
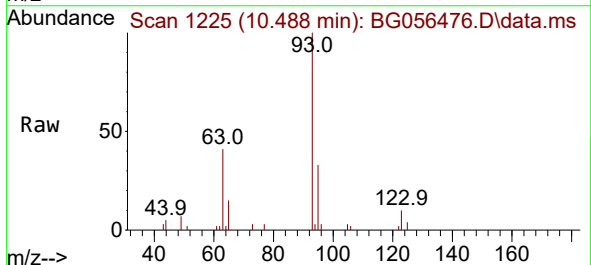
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

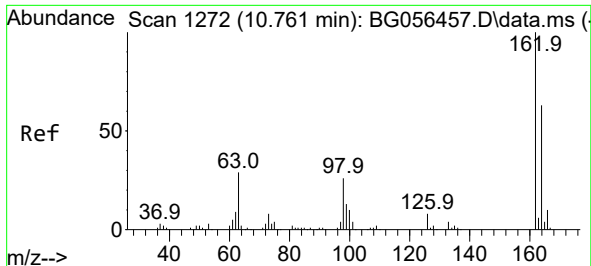
Tgt Ion:122 Resp: 12407  
Ion Ratio Lower Upper  
122 100  
107 124.4 92.9 139.3  
121 55.7 45.0 67.4



#28  
bis(2-Chloroethoxy)methane  
Concen: 7.555 ng  
RT: 10.488 min Scan# 1225  
Delta R.T. -0.008 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

Tgt Ion: 93 Resp: 16015  
Ion Ratio Lower Upper  
93 100  
95 33.1 27.9 41.9  
123 9.8 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 7.383 ng

RT: 10.759 min Scan# 11

Delta R.T. -0.002 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

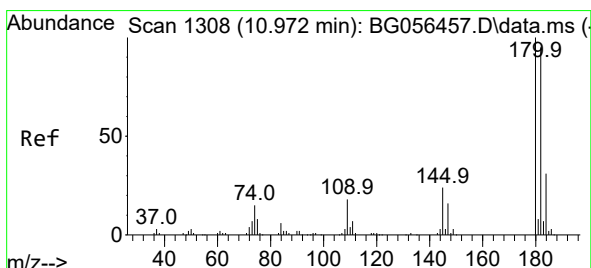
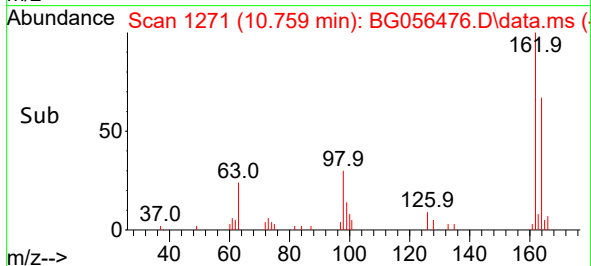
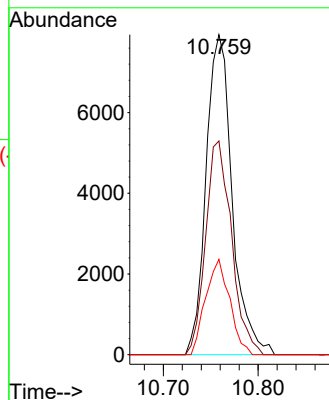
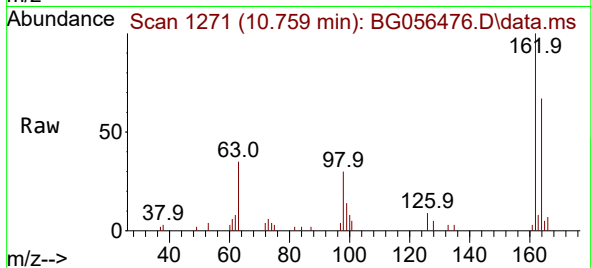
Tgt Ion:162 Resp: 15141

Ion Ratio Lower Upper

162 100

164 66.8 42.8 82.8

98 29.8 6.5 46.5



#30

1,2,4-Trichlorobenzene

Concen: 7.913 ng

RT: 10.964 min Scan# 1306

Delta R.T. -0.008 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

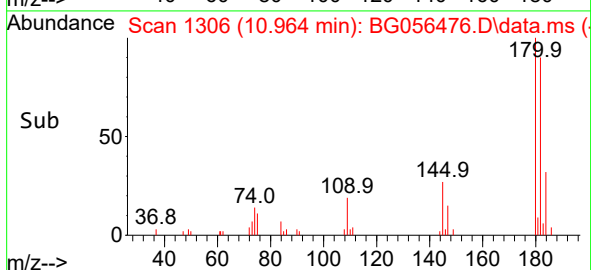
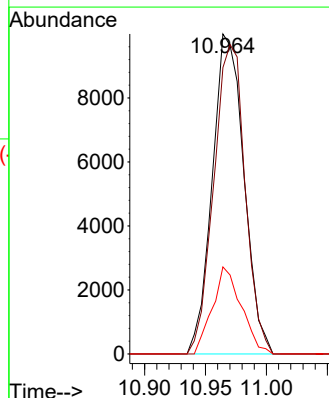
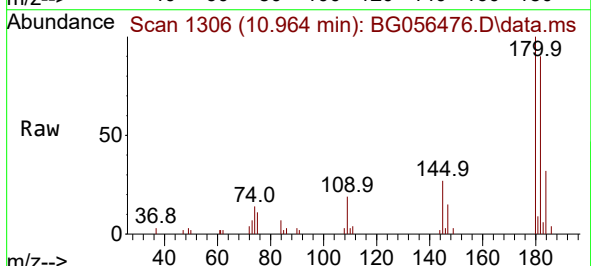
Tgt Ion:180 Resp: 18033

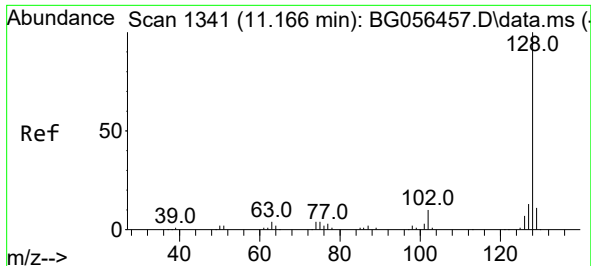
Ion Ratio Lower Upper

180 100

182 89.5 75.9 113.9

145 27.2 19.4 29.0

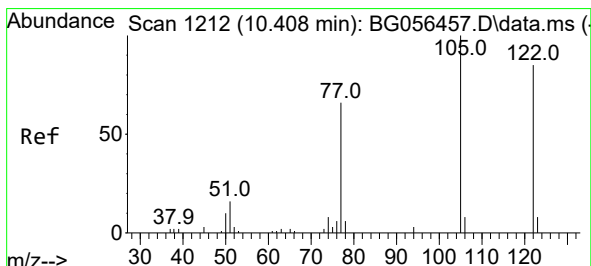
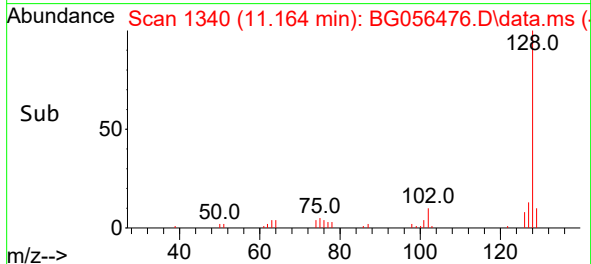
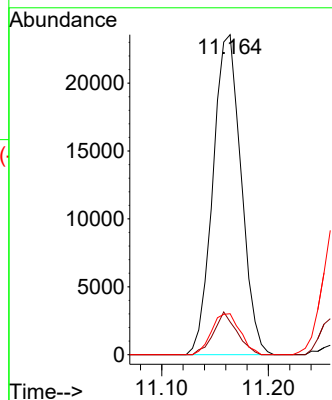
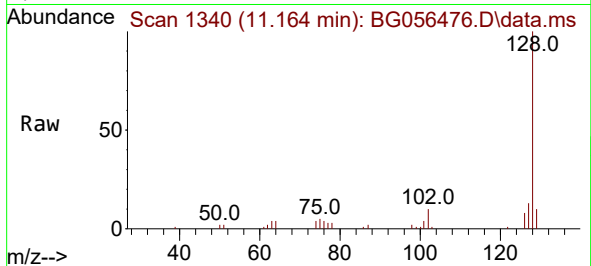




#31  
Naphthalene  
Concen: 7.756 ng  
RT: 11.164 min Scan# 111  
Delta R.T. -0.002 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

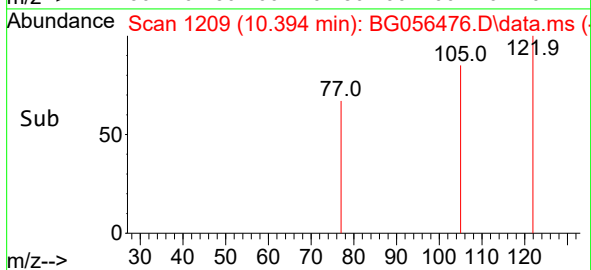
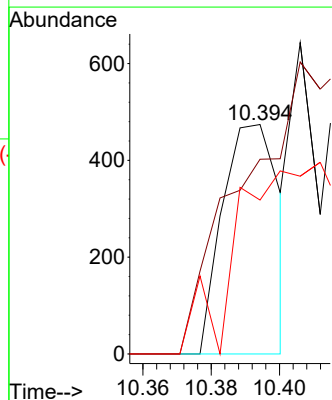
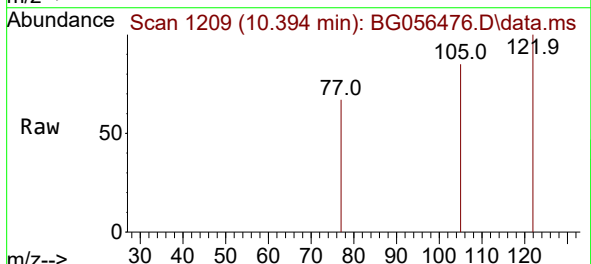
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

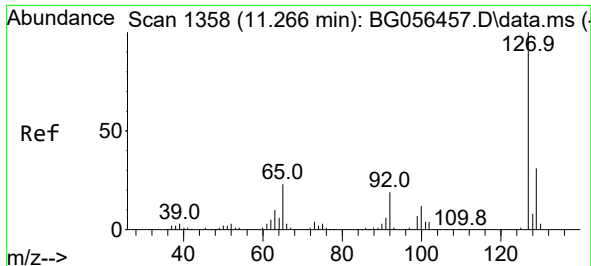
Tgt Ion:128 Resp: 43239  
Ion Ratio Lower Upper  
128 100  
129 10.2 8.7 13.1  
127 12.8 10.4 15.6



#32  
Benzoic acid  
Concen: 0.540 ng  
RT: 10.394 min Scan# 1209  
Delta R.T. -0.014 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

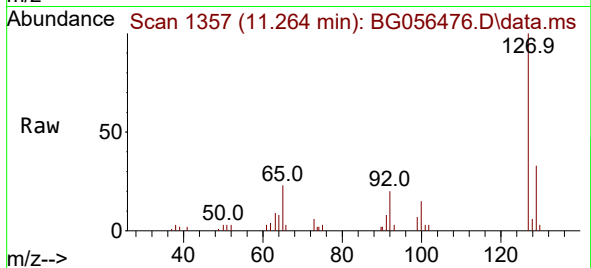
Tgt Ion:122 Resp: 550  
Ion Ratio Lower Upper  
122 100  
105 84.8 96.5 136.5#  
77 67.1 57.3 97.3



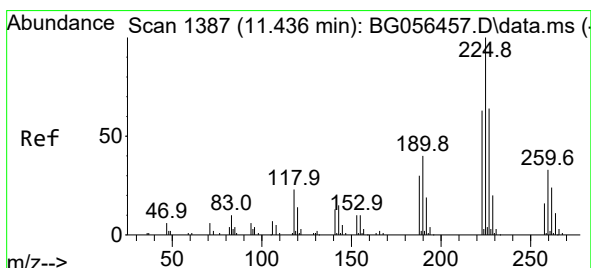
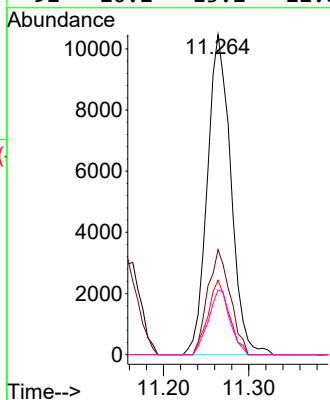
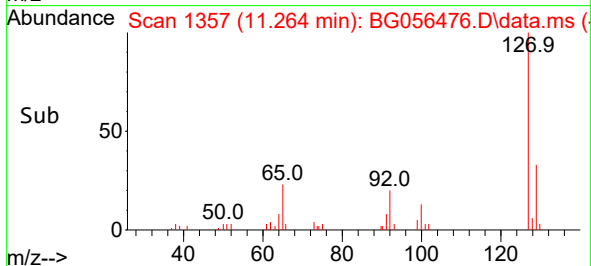


#33  
4-Chloroaniline  
Concen: 7.688 ng  
RT: 11.264 min Scan# 1357  
Delta R.T. -0.002 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

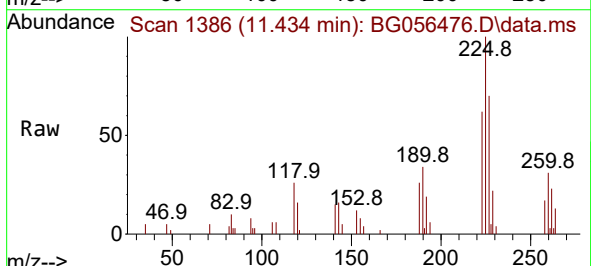
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022



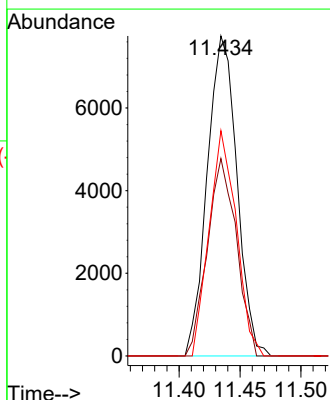
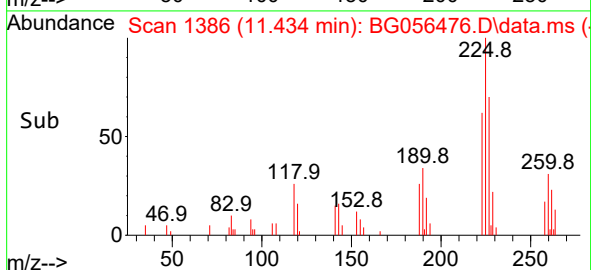
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 32.8  | 25.0  | 37.6  |
| 65      | 23.2  | 18.5  | 27.7  |
| 92      | 20.2  | 15.2  | 22.8  |

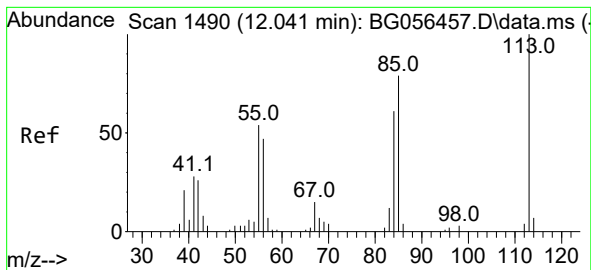


#34  
Hexachlorobutadiene  
Concen: 8.203 ng  
RT: 11.434 min Scan# 1386  
Delta R.T. -0.002 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.7  | 50.6  | 75.8  |
| 227     | 70.4  | 53.7  | 80.5  |





#35

Caprolactam

Concen: 7.779 ng

RT: 12.010 min Scan# 14

Delta R.T. -0.031 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

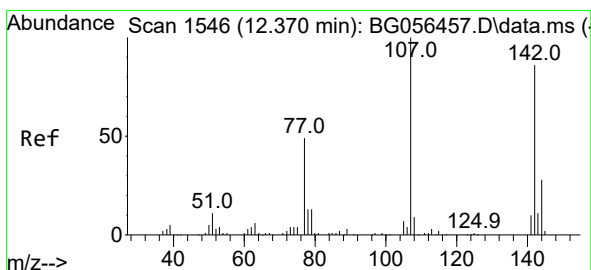
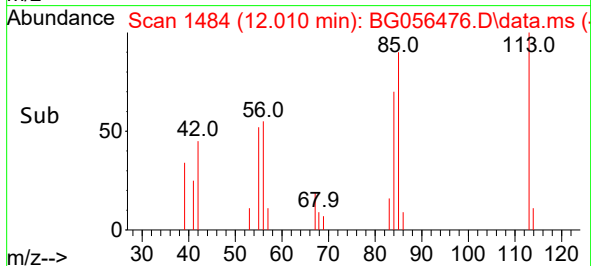
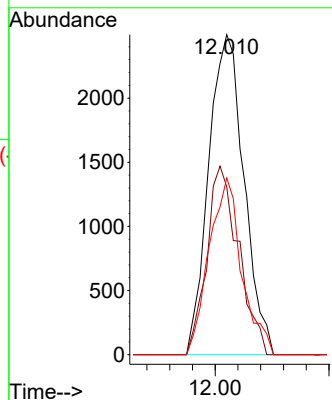
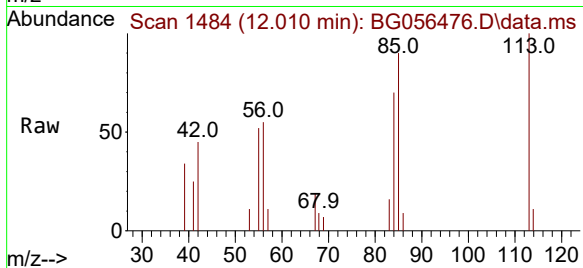
Tgt Ion:113 Resp: 5380

Ion Ratio Lower Upper

113 100

55 52.5 33.7 73.7

56 55.2 27.1 67.1



#36

4-Chloro-3-methylphenol

Concen: 7.611 ng

RT: 12.363 min Scan# 1544

Delta R.T. -0.008 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

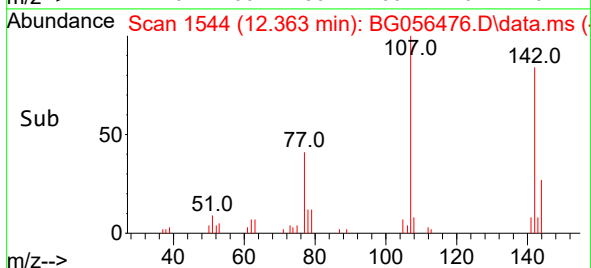
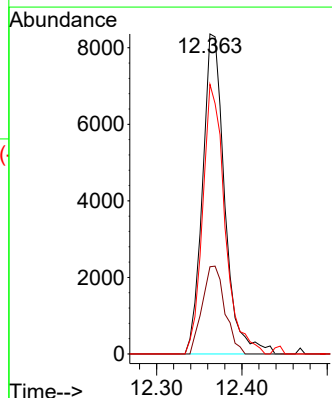
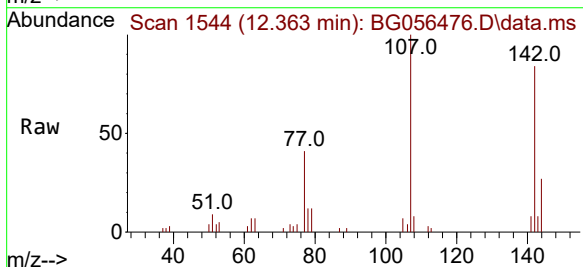
Tgt Ion:107 Resp: 15072

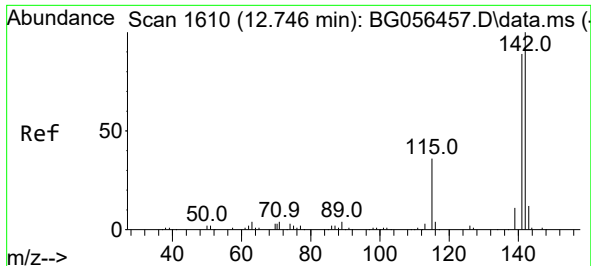
Ion Ratio Lower Upper

107 100

144 27.3 22.3 33.5

142 84.3 68.9 103.3

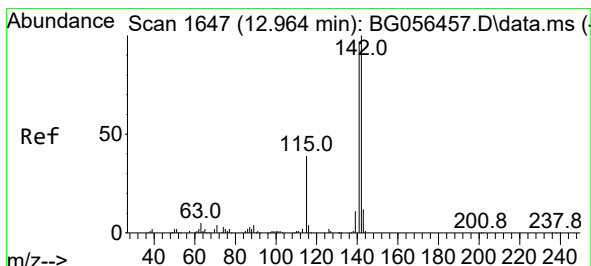
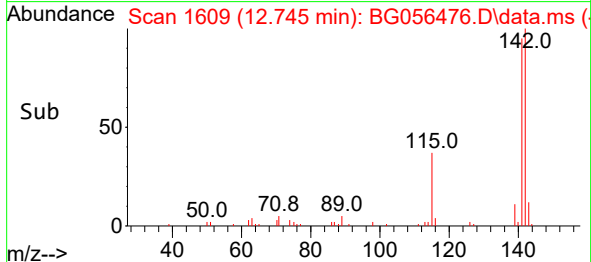
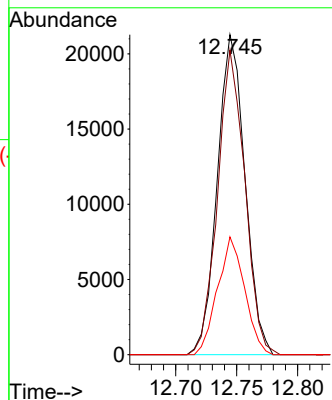
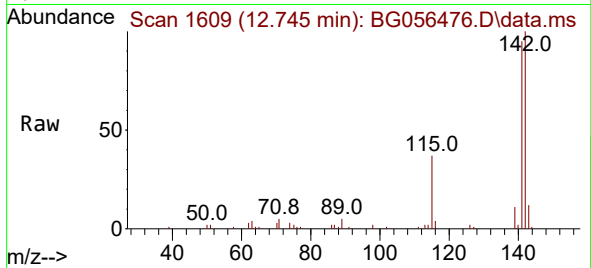




#37  
2-Methylnaphthalene  
Concen: 7.313 ng  
RT: 12.745 min Scan# 1609  
Delta R.T. -0.002 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

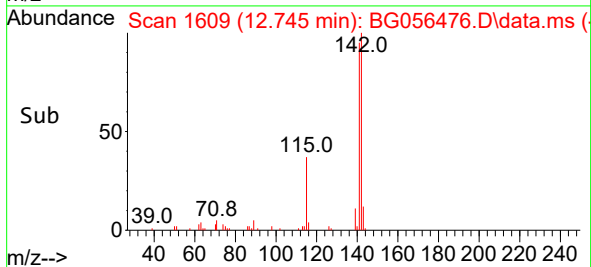
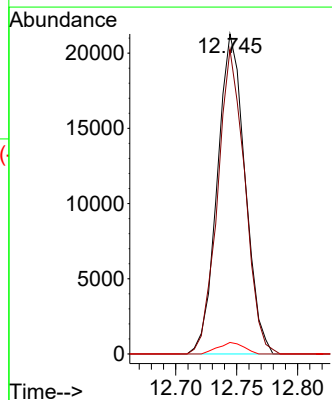
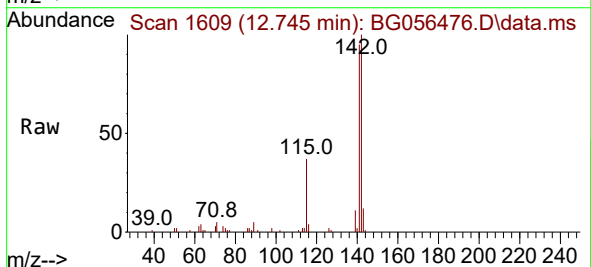
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

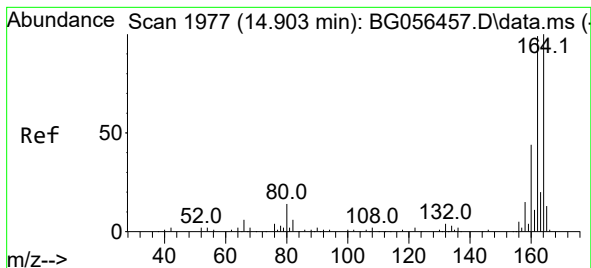
Tgt Ion:142 Resp: 33610  
Ion Ratio Lower Upper  
142 100  
141 95.1 71.4 107.0  
115 36.8 28.4 42.6



#38  
1-Methylnaphthalene  
Concen: 7.830 ng  
RT: 12.745 min Scan# 1609  
Delta R.T. -0.220 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

Tgt Ion:142 Resp: 33610  
Ion Ratio Lower Upper  
142 100  
141 95.1 77.7 116.5  
116 3.6 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.895 min Scan# 1975

Delta R.T. -0.008 min

Lab File: BG056476.D

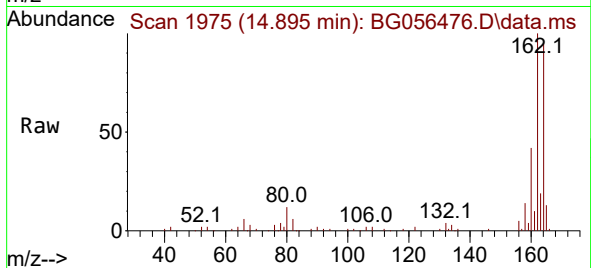
Acq: 30 Jan 2023 19:18

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



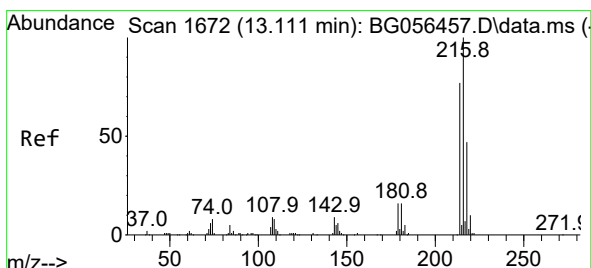
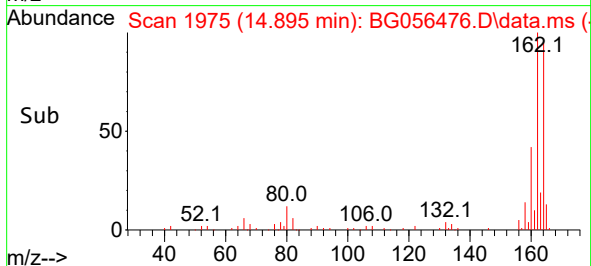
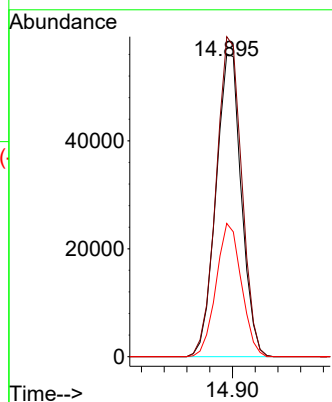
Tgt Ion:164 Resp: 87099

Ion Ratio Lower Upper

164 100

162 105.7 79.6 119.4

160 44.0 34.9 52.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.025 ng

RT: 13.109 min Scan# 1671

Delta R.T. -0.002 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

Tgt Ion:216 Resp: 25537

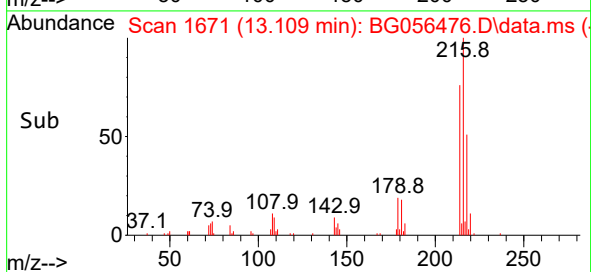
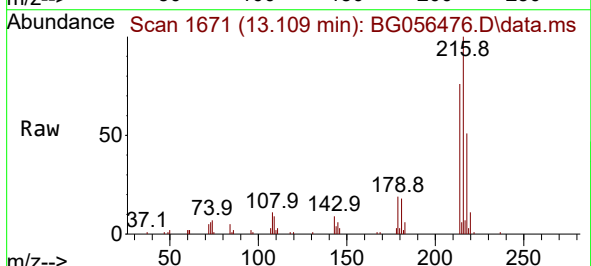
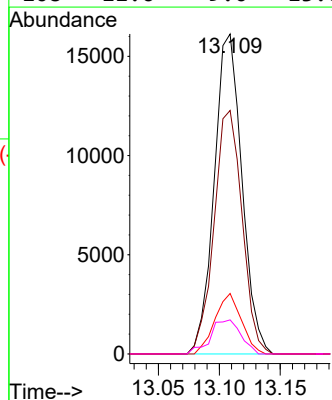
Ion Ratio Lower Upper

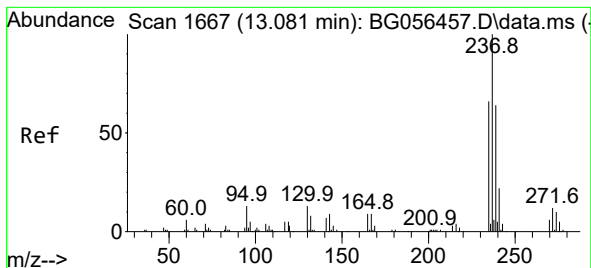
216 100

214 76.9 63.0 94.6

179 18.1 14.1 21.1

108 11.6 9.0 13.6





#41

Hexachlorocyclopentadiene

Concen: 9.656 ng

RT: 13.079 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG056476.D

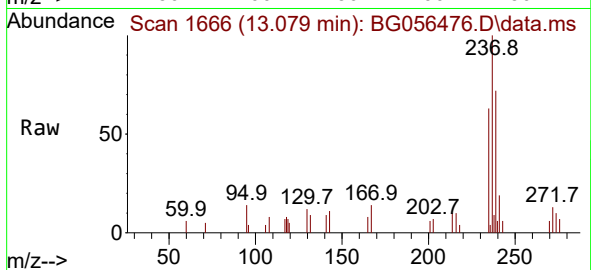
Acq: 30 Jan 2023 19:18

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



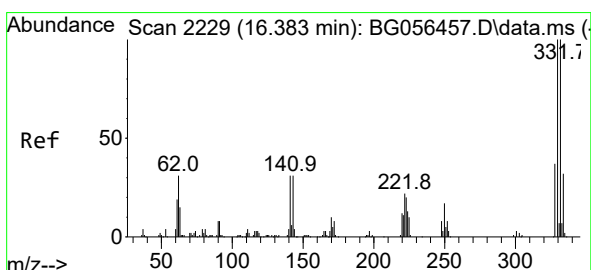
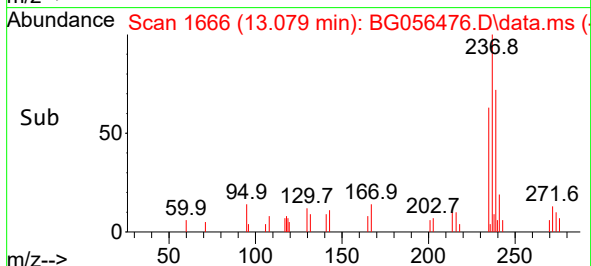
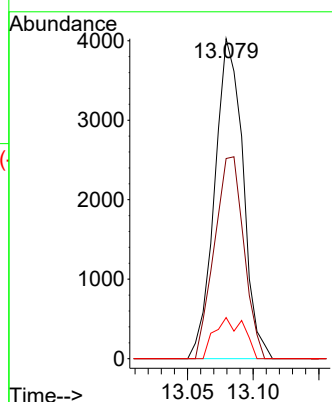
Tgt Ion:237 Resp: 6020

Ion Ratio Lower Upper

237 100

235 66.5 45.6 85.6

272 12.9 0.0 32.3



#42

2,4,6-Tribromophenol

Concen: 118.472 ng

RT: 16.381 min Scan# 2228

Delta R.T. -0.002 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

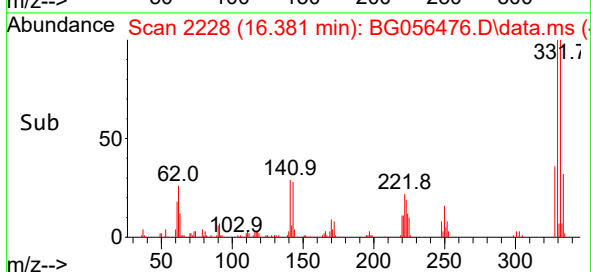
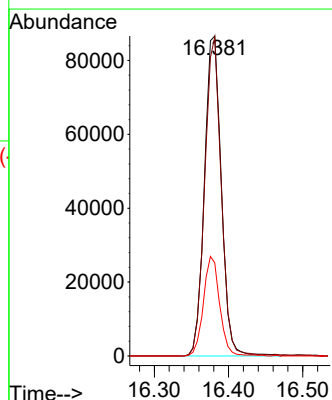
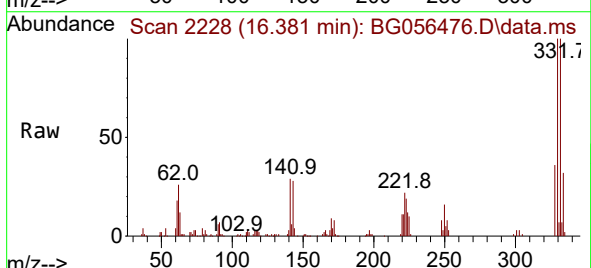
Tgt Ion:330 Resp: 137182

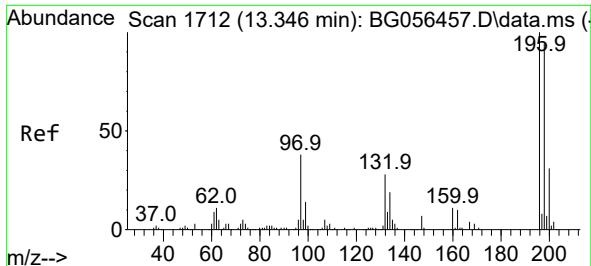
Ion Ratio Lower Upper

330 100

332 97.1 79.0 118.6

141 30.1 24.2 36.4





#43

2,4,6-Trichlorophenol

Concen: 7.451 ng

RT: 13.344 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

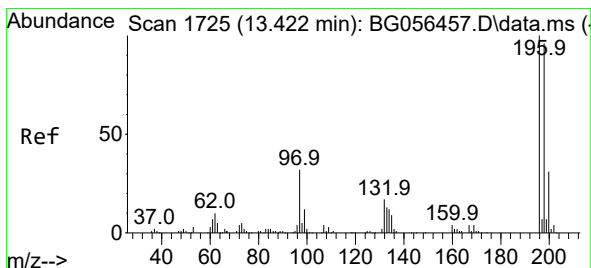
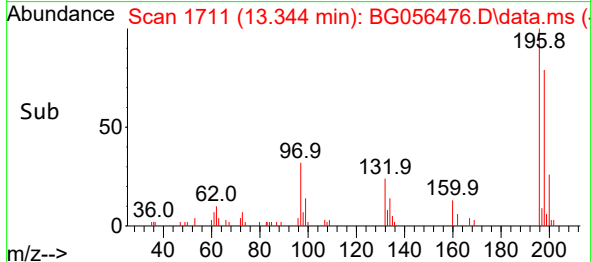
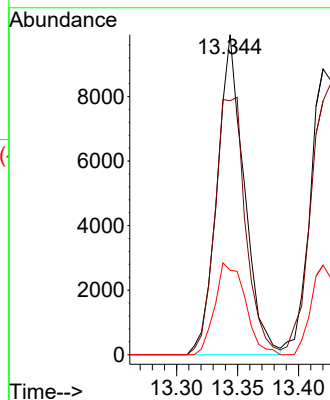
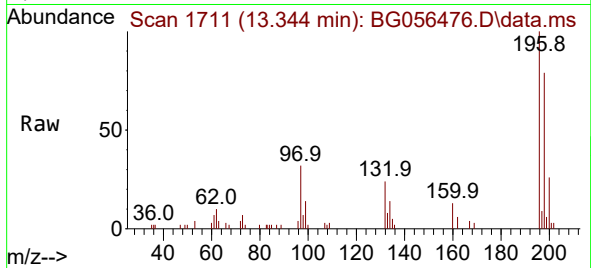
Tgt Ion:196 Resp: 15278

Ion Ratio Lower Upper

196 100

198 79.4 75.4 113.0

200 26.4 25.0 37.6



#44

2,4,5-Trichlorophenol

Concen: 7.002 ng

RT: 13.420 min Scan# 1724

Delta R.T. -0.002 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

Tgt Ion:196 Resp: 16811

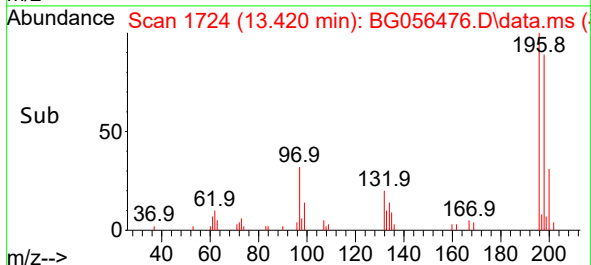
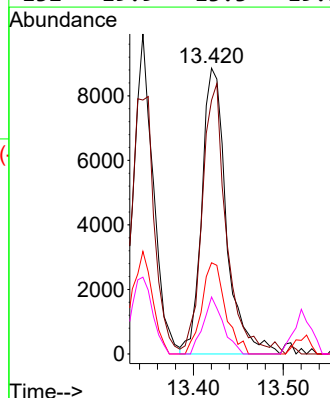
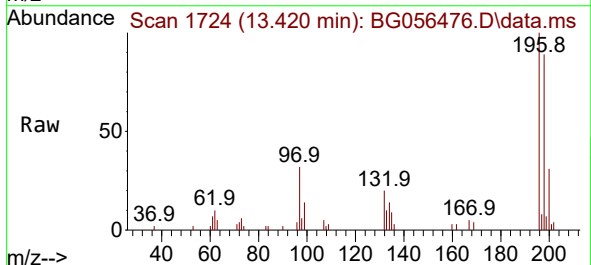
Ion Ratio Lower Upper

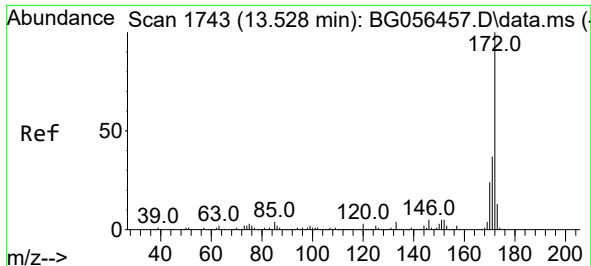
196 100

198 95.8 76.9 115.3

97 31.9 25.8 38.6

132 19.9 13.3 19.9#

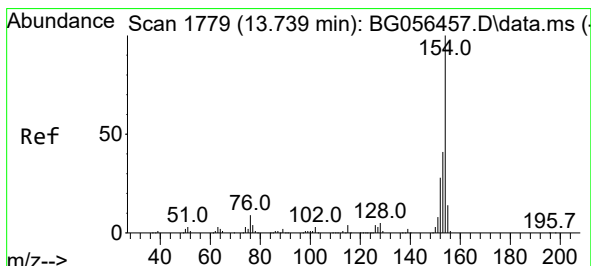
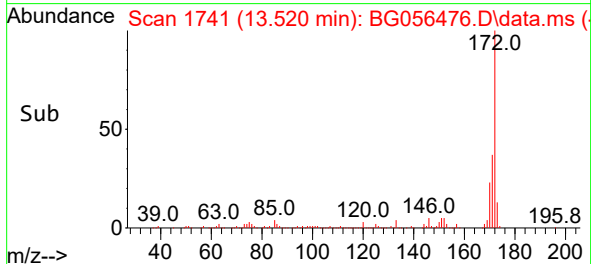
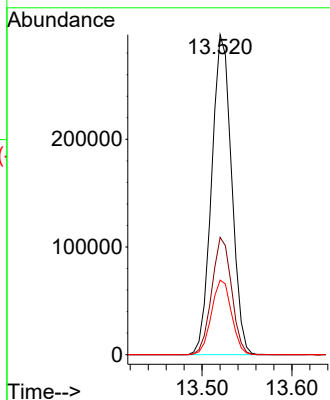
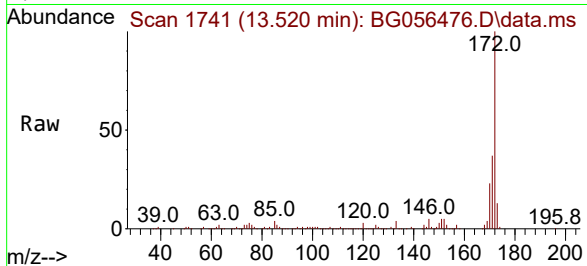




#45  
2-Fluorobiphenyl  
Concen: 72.928 ng  
RT: 13.520 min Scan# 1743  
Delta R.T. -0.008 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

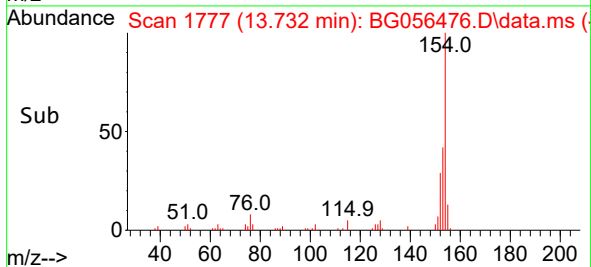
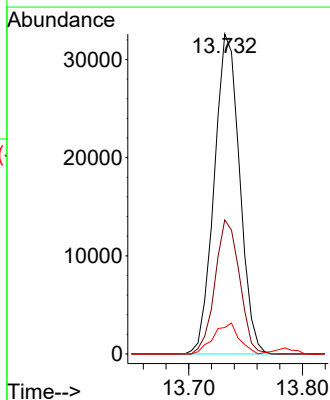
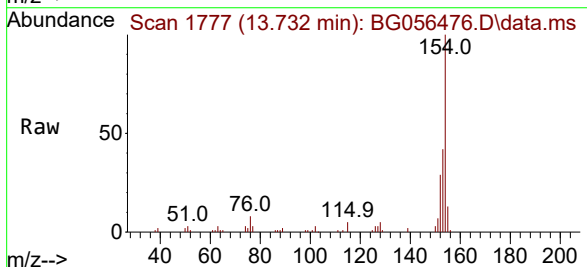
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

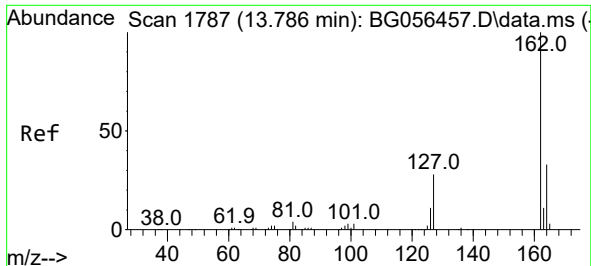
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:172 | Resp: | 458155    |
| Ion Ratio   | Lower | Upper     |
| 172         | 100   |           |
| 171         | 36.6  | 29.5 44.3 |
| 170         | 23.3  | 19.2 28.8 |



#46  
1,1'-Biphenyl  
Concen: 8.001 ng  
RT: 13.732 min Scan# 1777  
Delta R.T. -0.007 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:154 | Resp: | 50548     |
| Ion Ratio   | Lower | Upper     |
| 154         | 100   |           |
| 153         | 41.9  | 21.5 61.5 |
| 76          | 8.3   | 0.0 28.8  |

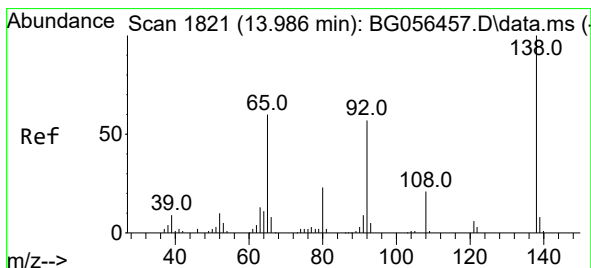
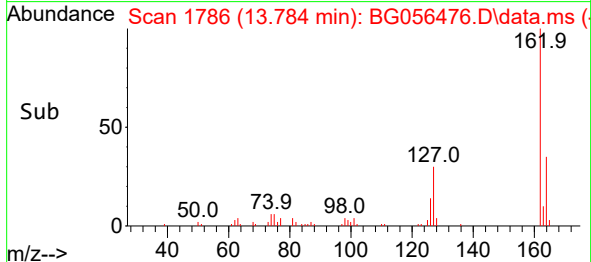
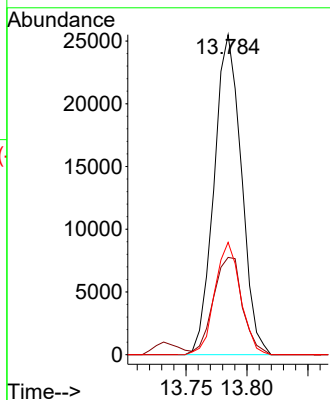
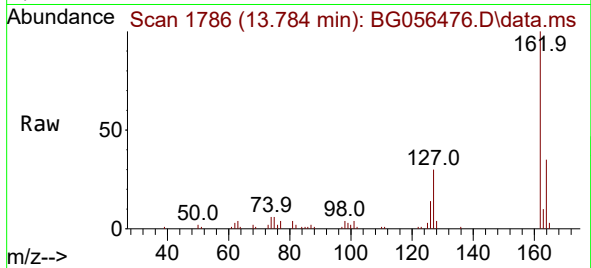




#47  
2-Chloronaphthalene  
Concen: 8.055 ng  
RT: 13.784 min Scan# 1786  
Delta R.T. -0.002 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

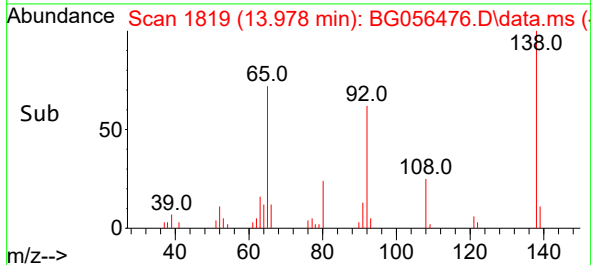
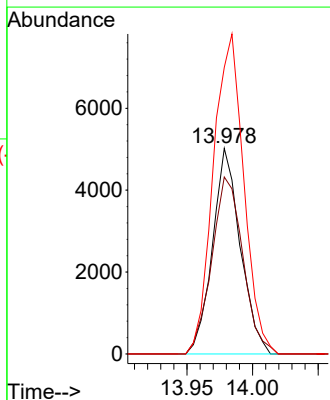
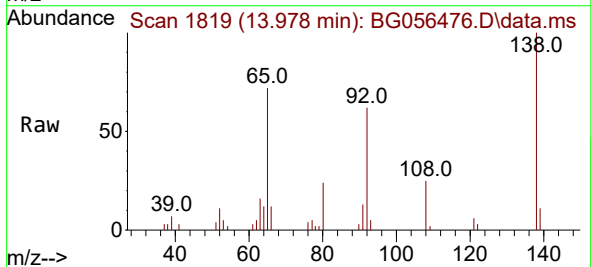
Instrument : BNA\_G  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

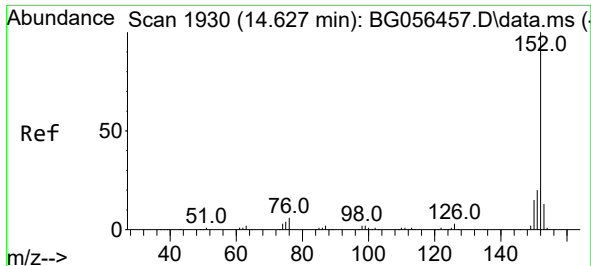
Tgt Ion:162 Resp: 39776  
Ion Ratio Lower Upper  
162 100  
127 30.4 25.2 37.8  
164 35.1 26.2 39.2



#48  
2-Nitroaniline  
Concen: 7.251 ng  
RT: 13.978 min Scan# 1819  
Delta R.T. -0.008 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

Tgt Ion: 65 Resp: 7402  
Ion Ratio Lower Upper  
65 100  
92 86.1 75.8 113.6  
138 139.3 133.2 199.8

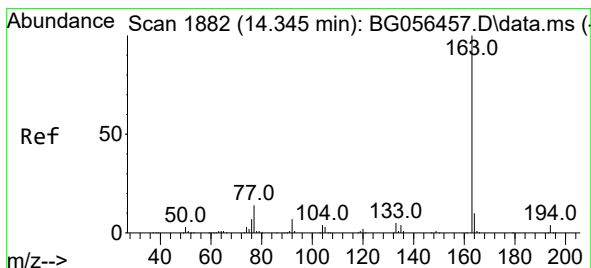
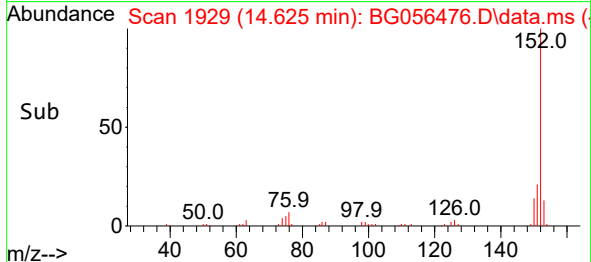
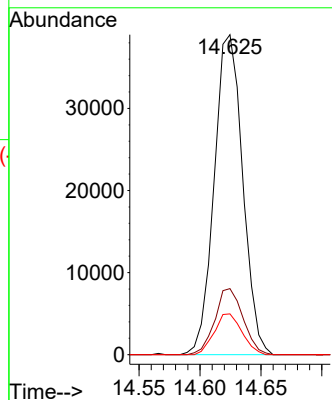
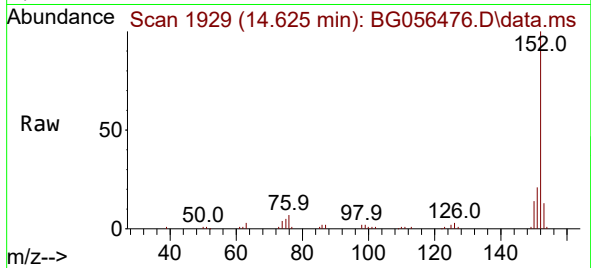




#49  
Acenaphthylene  
Concen: 7.877 ng  
RT: 14.625 min Scan# 1930  
Delta R.T. -0.002 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

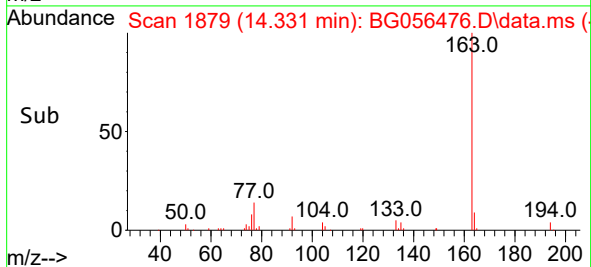
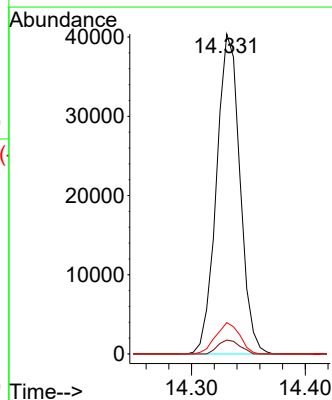
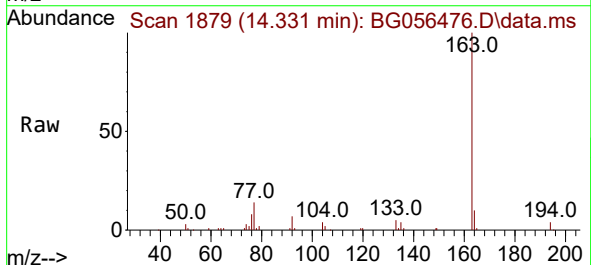
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

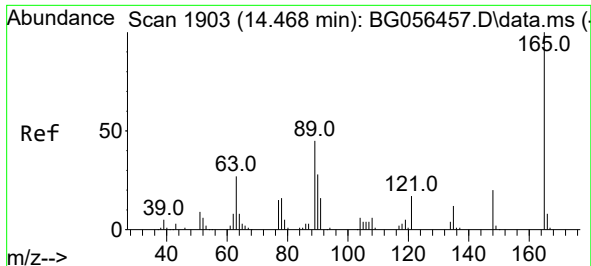
Tgt Ion:152 Resp: 63287  
Ion Ratio Lower Upper  
152 100  
151 20.7 15.9 23.9  
153 12.8 10.5 15.7



#50  
Dimethylphthalate  
Concen: 8.217 ng  
RT: 14.331 min Scan# 1879  
Delta R.T. -0.014 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

Tgt Ion:163 Resp: 57903  
Ion Ratio Lower Upper  
163 100  
194 4.4 3.5 5.3  
164 9.8 8.1 12.1

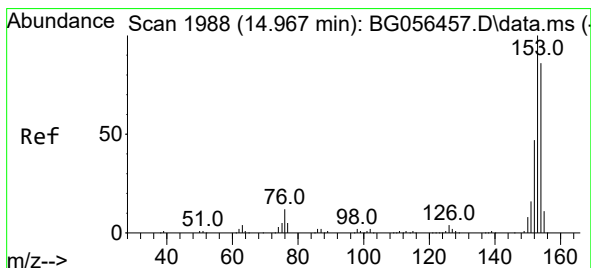
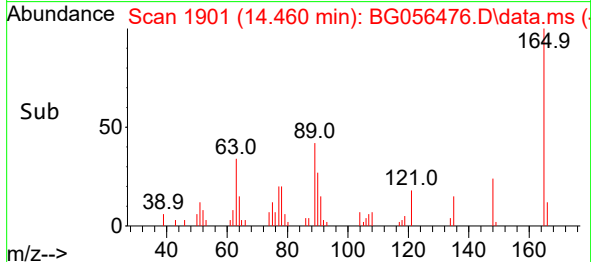
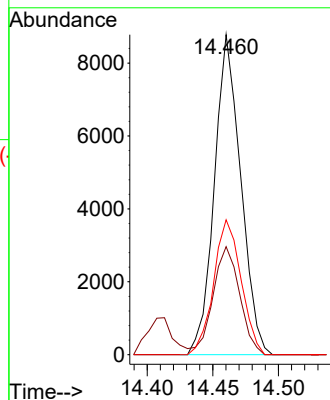
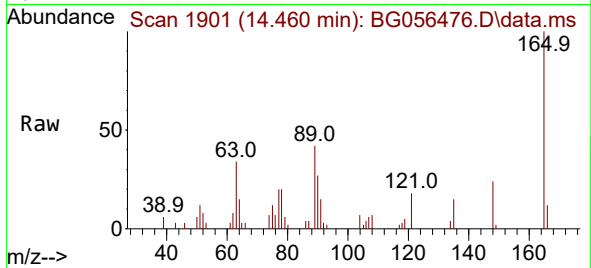




#51  
2,6-Dinitrotoluene  
Concen: 7.982 ng  
RT: 14.460 min Scan# 1903  
Delta R.T. -0.008 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

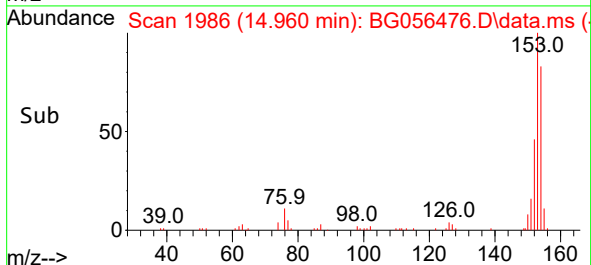
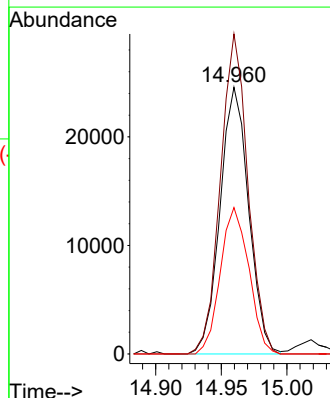
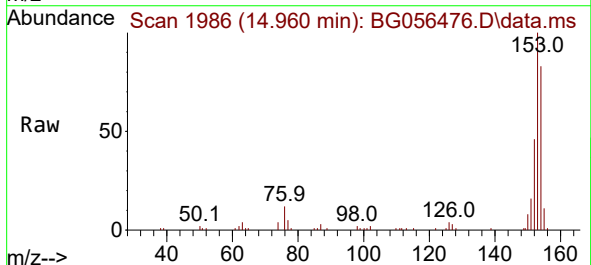
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

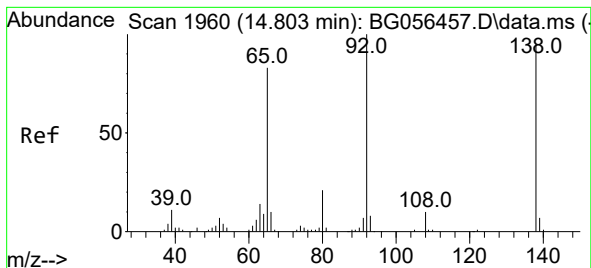
Tgt Ion:165 Resp: 12266  
Ion Ratio Lower Upper  
165 100  
63 33.8 26.9 40.3  
89 42.2 35.6 53.4



#52  
Acenaphthene  
Concen: 7.830 ng  
RT: 14.960 min Scan# 1986  
Delta R.T. -0.008 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

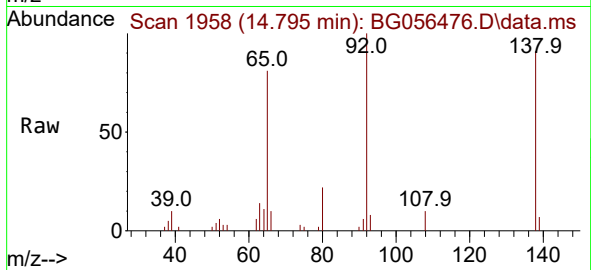
Tgt Ion:154 Resp: 37306  
Ion Ratio Lower Upper  
154 100  
153 120.0 93.4 140.0  
152 54.9 43.4 65.2



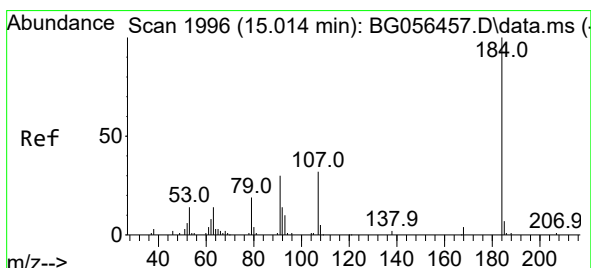
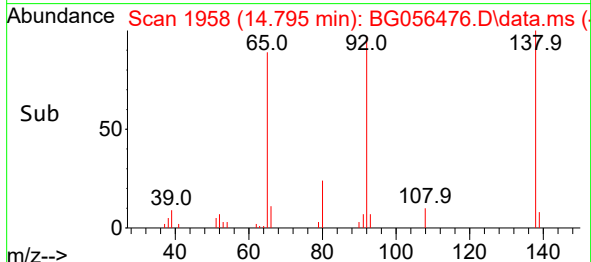
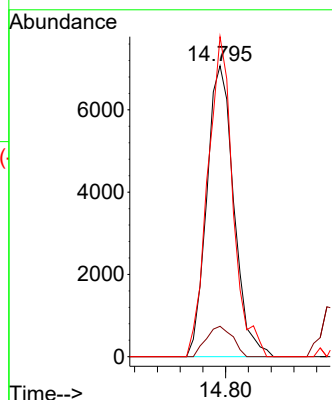


#53  
3-Nitroaniline  
Concen: 7.832 ng  
RT: 14.795 min Scan# 1958  
Delta R.T. -0.008 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

Instrument : BNA\_G  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

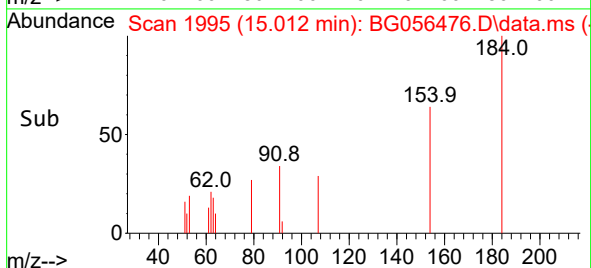
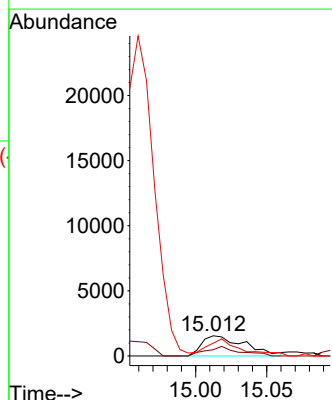
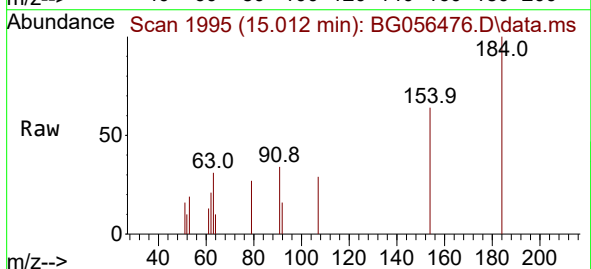


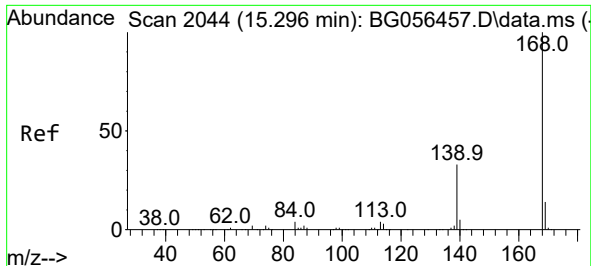
Tgt Ion:138 Resp: 11668  
Ion Ratio Lower Upper  
138 100  
108 10.5 8.0 12.0  
92 110.0 84.1 126.1



#54  
2,4-Dinitrophenol  
Concen: 3.380 ng  
RT: 15.012 min Scan# 1995  
Delta R.T. -0.002 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

Tgt Ion:184 Resp: 3256  
Ion Ratio Lower Upper  
184 100  
63 31.2 25.1 37.7  
154 63.5 44.8 67.2

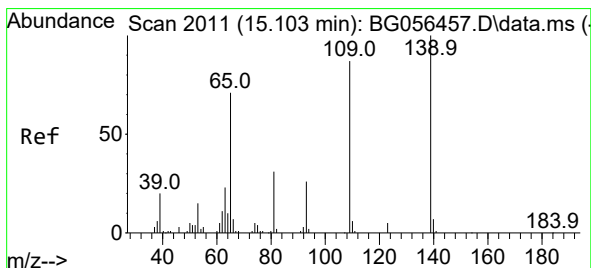
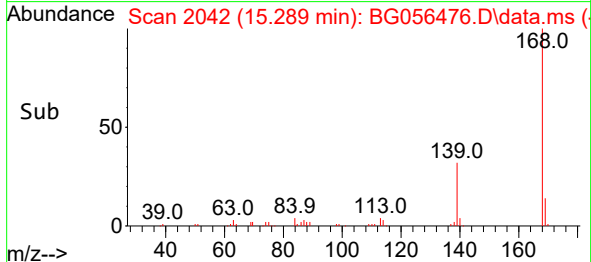
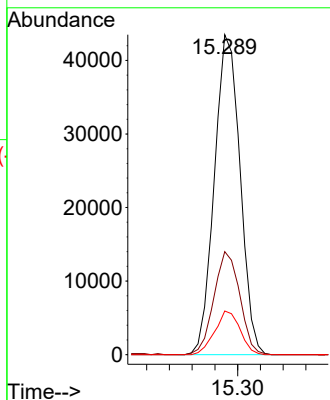
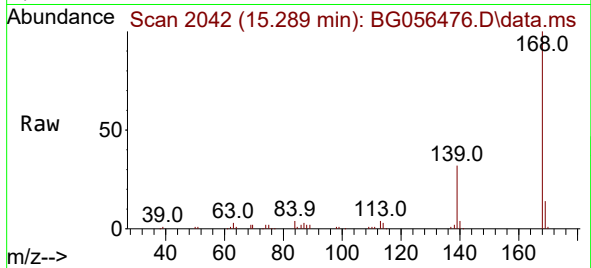




#55  
Dibenzofuran  
Concen: 7.987 ng  
RT: 15.289 min Scan# 2044  
Delta R.T. -0.008 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

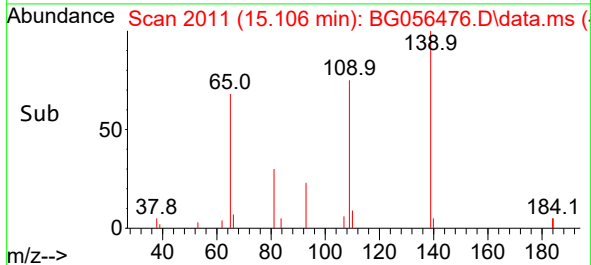
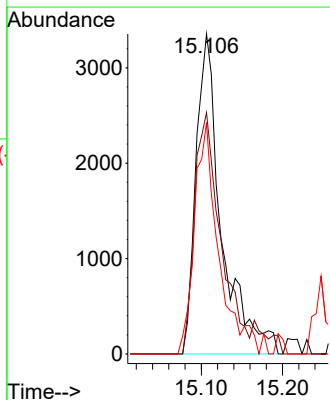
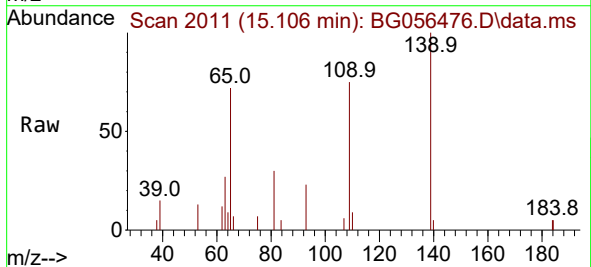
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

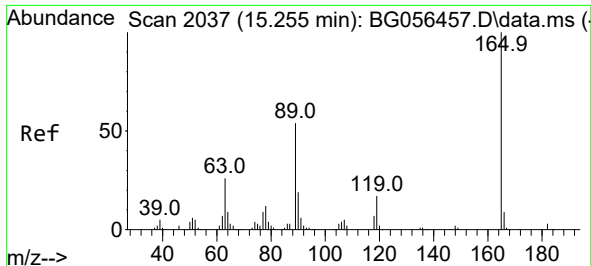
Tgt Ion:168 Resp: 68240  
Ion Ratio Lower Upper  
168 100  
139 32.2 26.2 39.2  
169 13.7 11.0 16.6



#56  
4-Nitrophenol  
Concen: 7.187 ng  
RT: 15.106 min Scan# 2011  
Delta R.T. 0.004 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

Tgt Ion:139 Resp: 7316  
Ion Ratio Lower Upper  
139 100  
109 75.4 67.5 107.5  
65 72.3 50.7 90.7





#57

2,4-Dinitrotoluene

Concen: 8.384 ng

RT: 15.247 min Scan# 2035

Delta R.T. -0.008 min

Lab File: BG056476.D

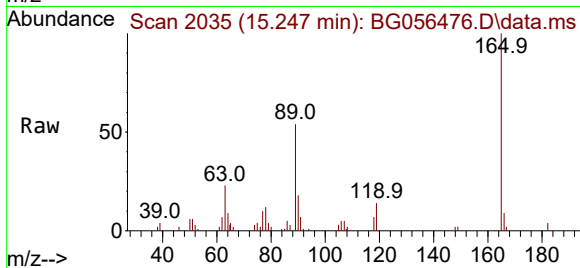
Acq: 30 Jan 2023 19:18

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:165 Resp: 18147

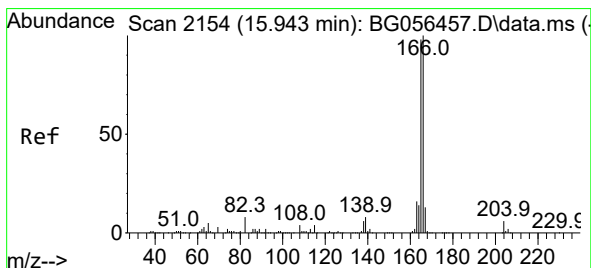
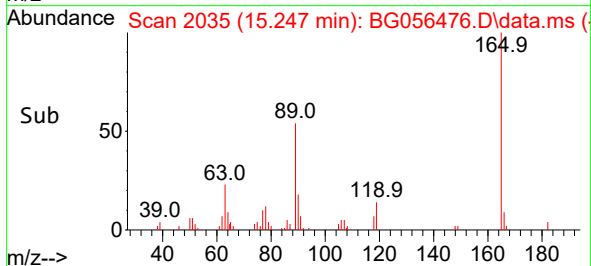
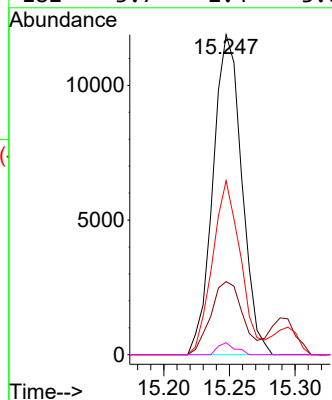
Ion Ratio Lower Upper

165 100

63 22.9 20.6 31.0

89 54.3 43.1 64.7

182 3.7 2.4 3.6#



#58

Fluorene

Concen: 8.307 ng

RT: 15.935 min Scan# 2152

Delta R.T. -0.008 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

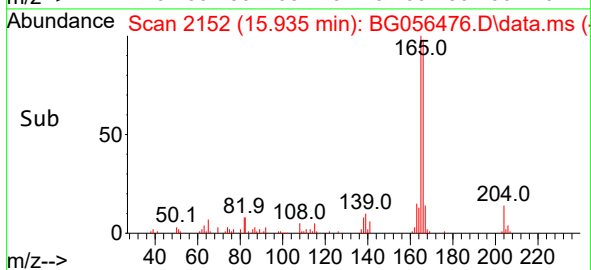
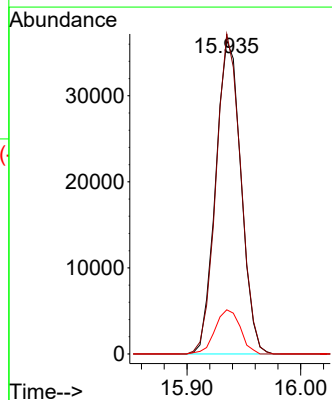
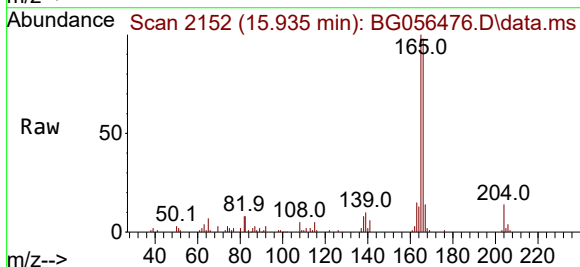
Tgt Ion:166 Resp: 56478

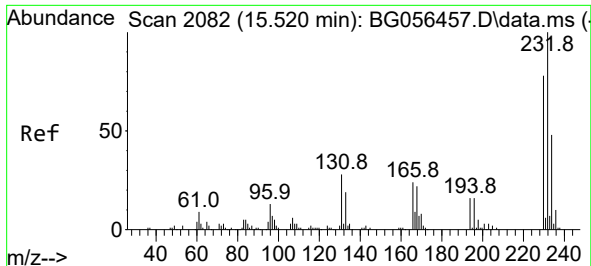
Ion Ratio Lower Upper

166 100

165 102.0 78.8 118.2

167 14.1 10.6 15.8

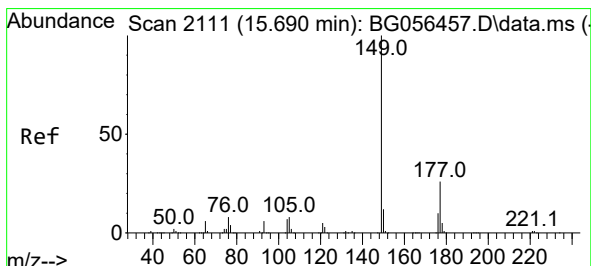
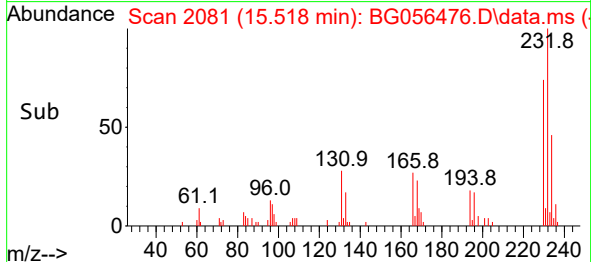
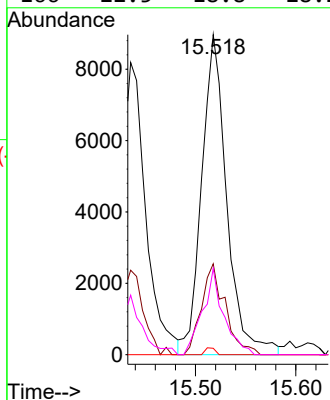
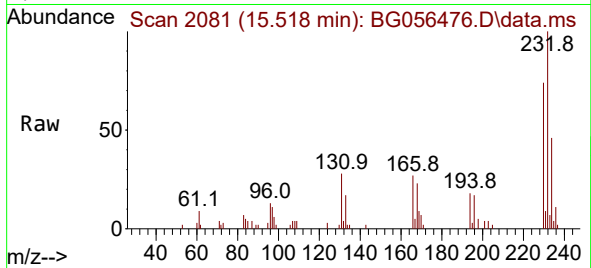




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 7.300 ng  
RT: 15.518 min Scan# 2081  
Delta R.T. -0.002 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

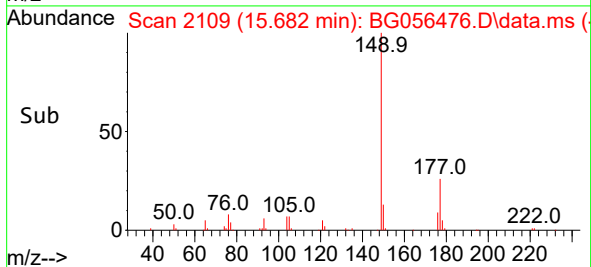
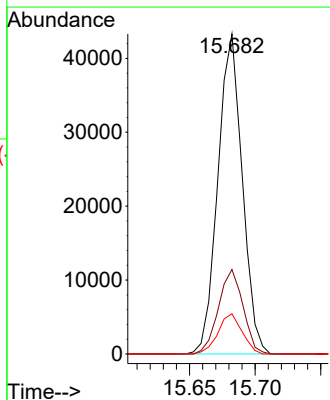
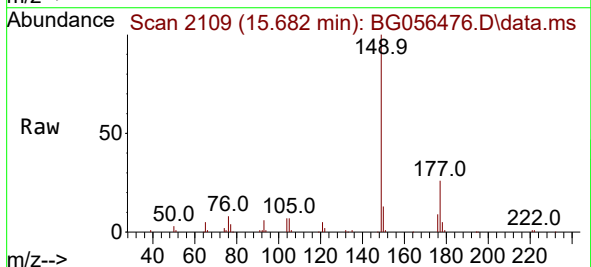
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

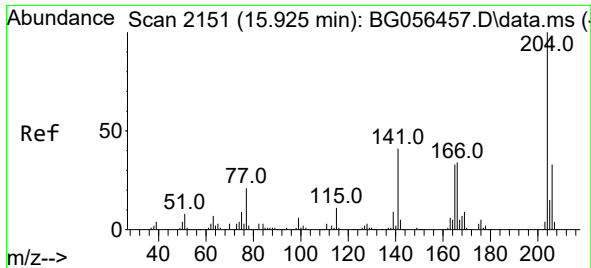
Tgt Ion:232 Resp: 15583  
Ion Ratio Lower Upper  
232 100  
131 26.9 22.8 34.2  
130 0.8 1.4 2.0#  
166 22.5 18.8 28.2



#60  
Diethylphthalate  
Concen: 8.438 ng  
RT: 15.682 min Scan# 2109  
Delta R.T. -0.008 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

Tgt Ion:149 Resp: 55834  
Ion Ratio Lower Upper  
149 100  
177 26.4 21.0 31.4  
150 12.6 9.9 14.9

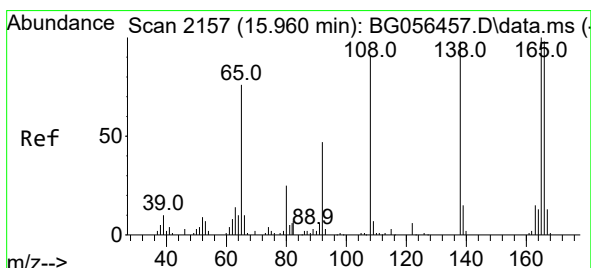
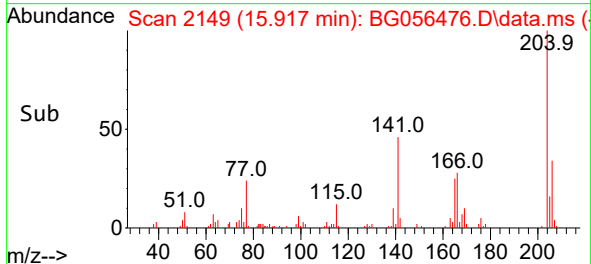
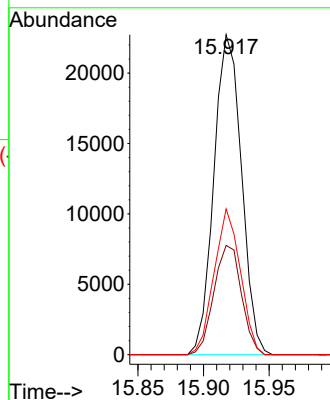
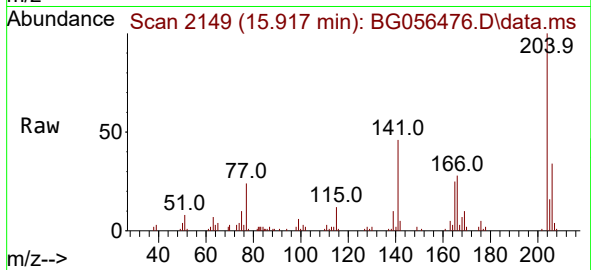




#61  
4-Chlorophenyl-phenylether  
Concen: 8.007 ng  
RT: 15.917 min Scan# 2149  
Delta R.T. -0.008 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

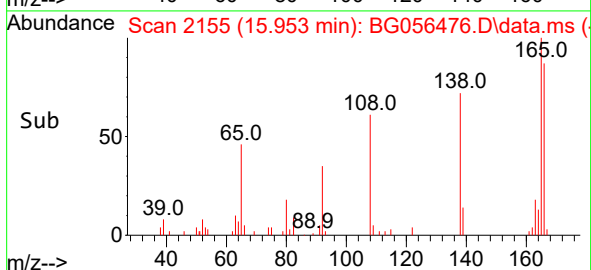
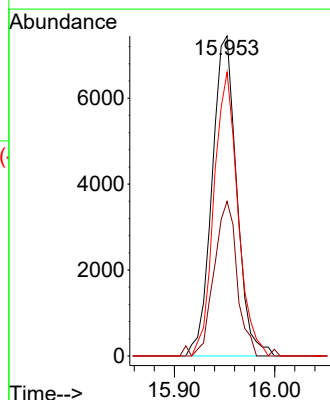
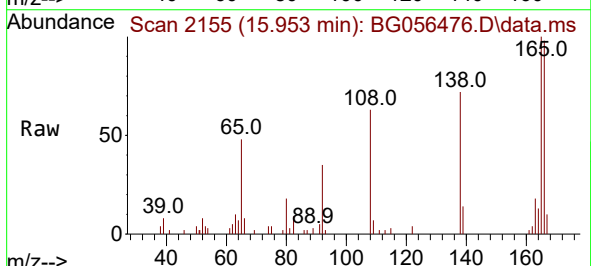
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

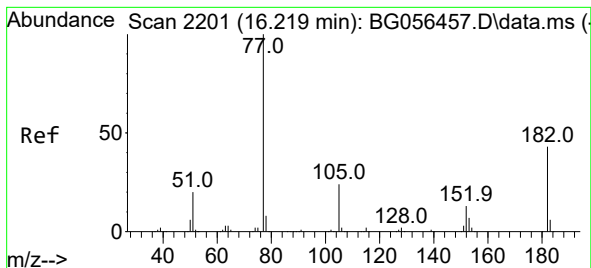
Tgt Ion:204 Resp: 33217  
Ion Ratio Lower Upper  
204 100  
206 34.2 26.2 39.4  
141 45.6 32.7 49.1



#62  
4-Nitroaniline  
Concen: 8.525 ng  
RT: 15.953 min Scan# 2155  
Delta R.T. -0.008 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

Tgt Ion:138 Resp: 12708  
Ion Ratio Lower Upper  
138 100  
92 48.3 27.8 67.8  
108 88.6 72.6 112.6





#63

Azobenzene

Concen: 8.259 ng

RT: 16.211 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

Tgt Ion: 77 Resp: 37602

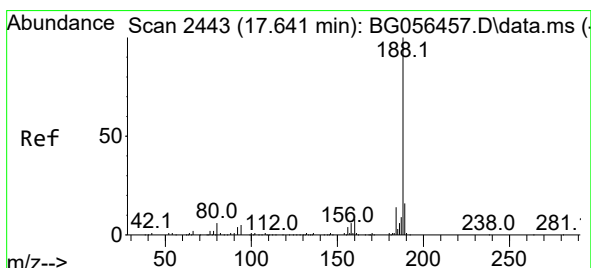
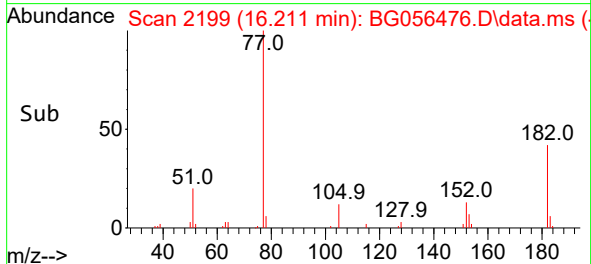
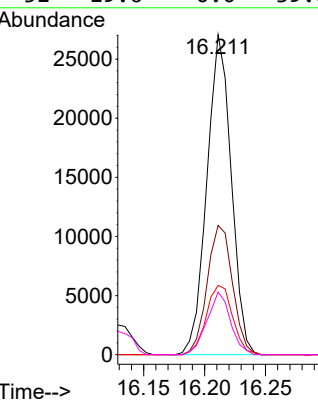
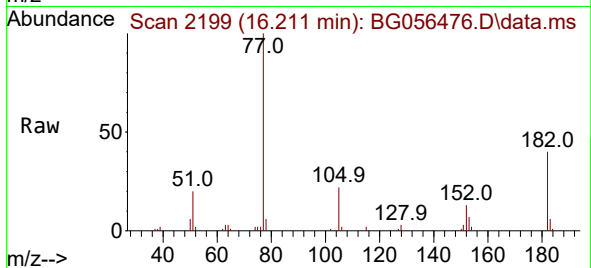
Ion Ratio Lower Upper

77 100

182 40.4 23.1 63.1

105 21.7 4.2 44.2

51 19.6 0.0 39.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.633 min Scan# 2441

Delta R.T. -0.008 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

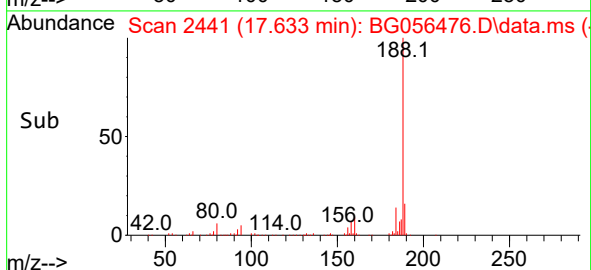
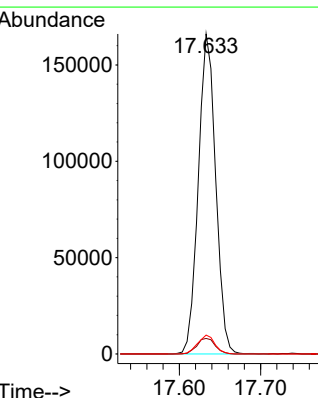
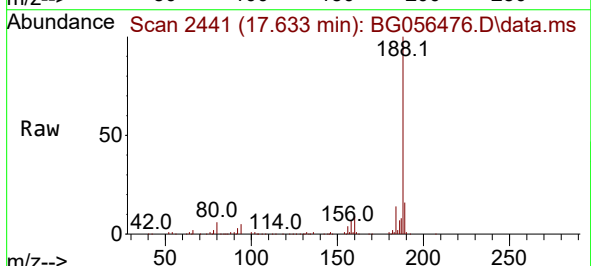
Tgt Ion:188 Resp: 246143

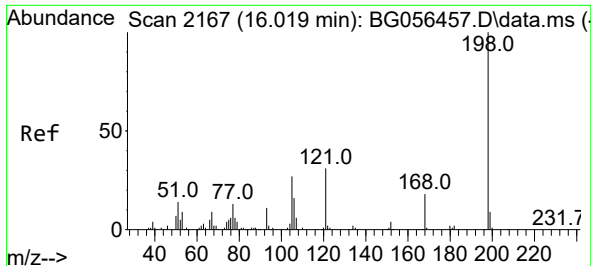
Ion Ratio Lower Upper

188 100

94 4.8 4.1 6.1

80 5.9 5.0 7.4

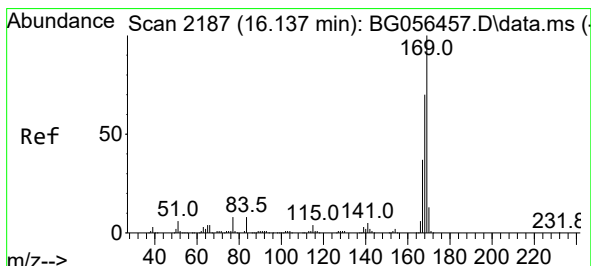
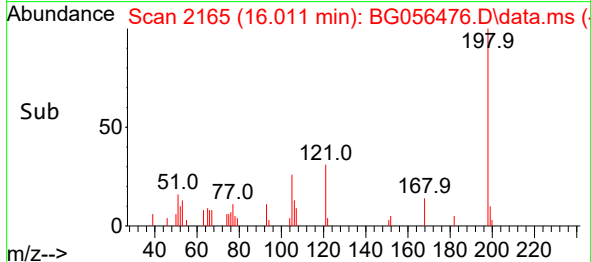
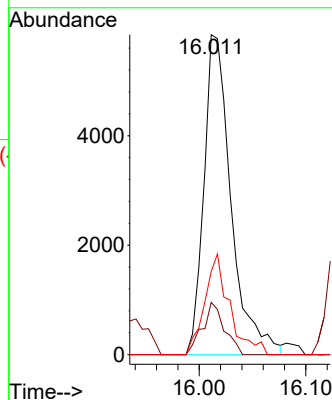
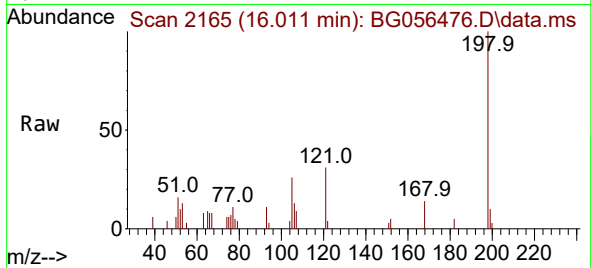




#65  
4,6-Dinitro-2-methylphenol  
Concen: 5.991 ng  
RT: 16.011 min Scan# 2165  
Delta R.T. -0.008 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

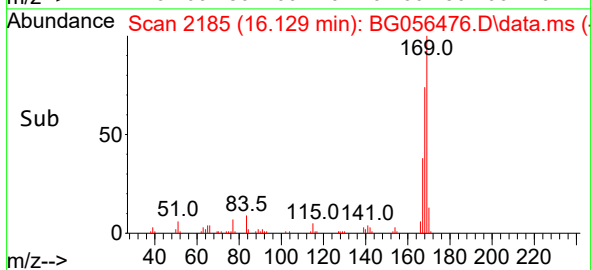
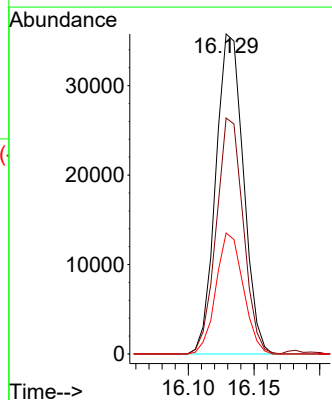
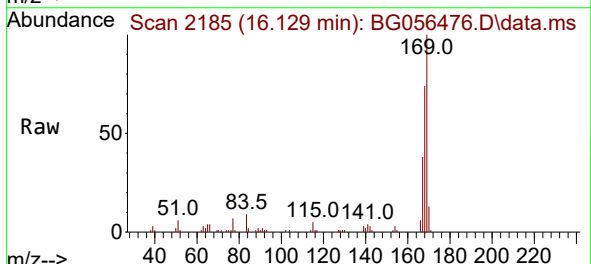
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

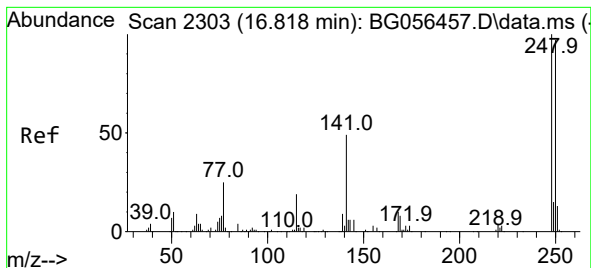
Tgt Ion:198 Resp: 10367  
Ion Ratio Lower Upper  
198 100  
51 16.4 0.0 35.0  
105 26.0 7.4 47.4



#66  
n-Nitrosodiphenylamine  
Concen: 7.513 ng  
RT: 16.129 min Scan# 2185  
Delta R.T. -0.008 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

Tgt Ion:169 Resp: 52361  
Ion Ratio Lower Upper  
169 100  
168 73.7 55.8 83.6  
167 37.8 29.8 44.8

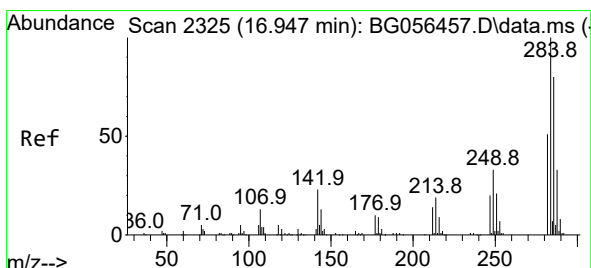
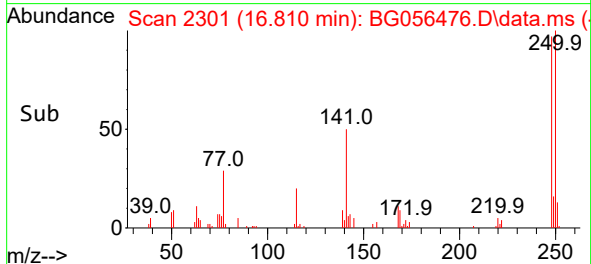
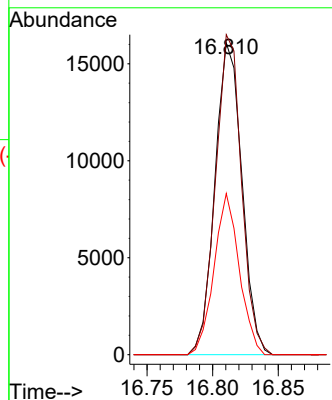
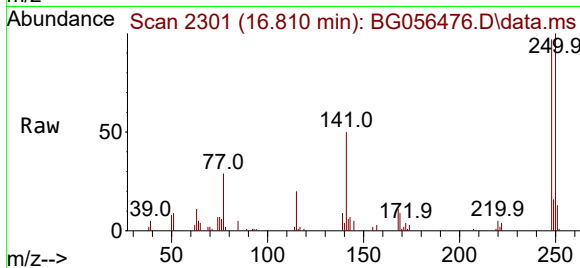




#67  
4-Bromophenyl-phenylether  
Concen: 7.287 ng  
RT: 16.810 min Scan# 21  
Delta R.T. -0.008 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

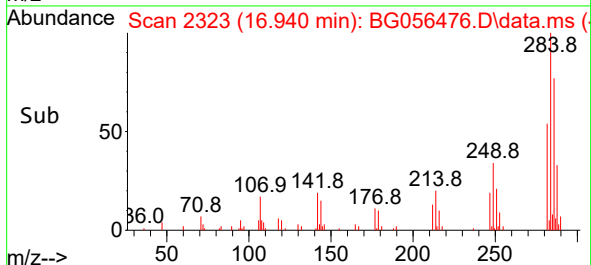
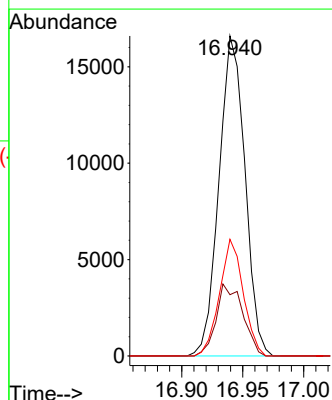
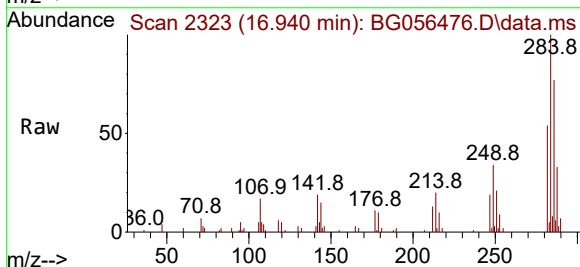
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

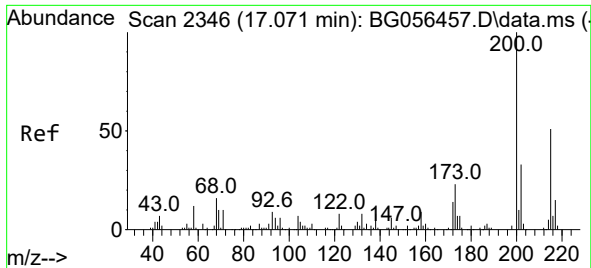
Tgt Ion:248 Resp: 22963  
Ion Ratio Lower Upper  
248 100  
250 102.6 77.6 116.4  
141 51.6 39.0 58.4



#68  
Hexachlorobenzene  
Concen: 7.971 ng  
RT: 16.940 min Scan# 2323  
Delta R.T. -0.008 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

Tgt Ion:284 Resp: 24600  
Ion Ratio Lower Upper  
284 100  
142 19.2 18.0 27.0  
249 36.4 26.7 40.1

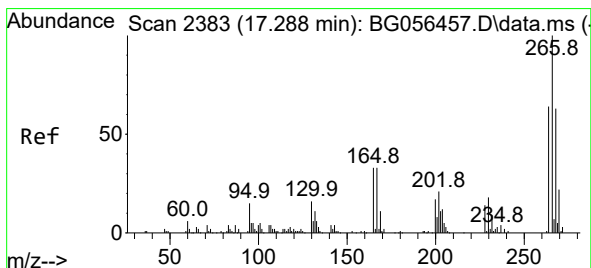
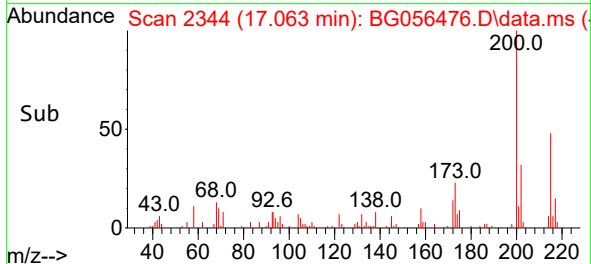
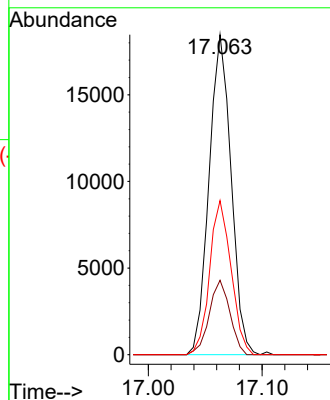
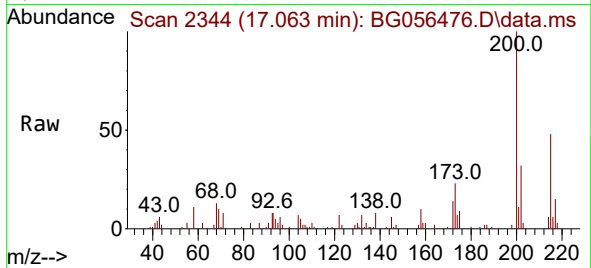




#69  
 Atrazine  
 Concen: 9.263 ng  
 RT: 17.063 min Scan# 21  
 Delta R.T. -0.008 min  
 Lab File: BG056476.D  
 Acq: 30 Jan 2023 19:18

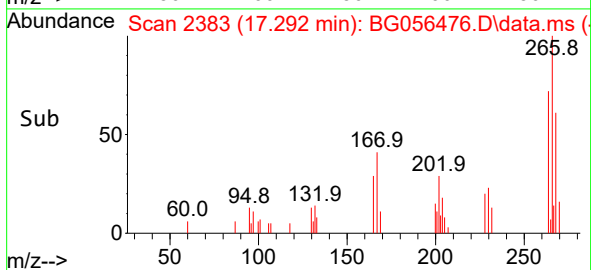
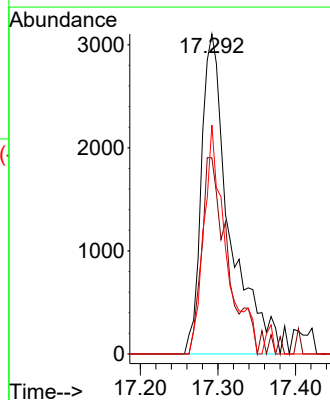
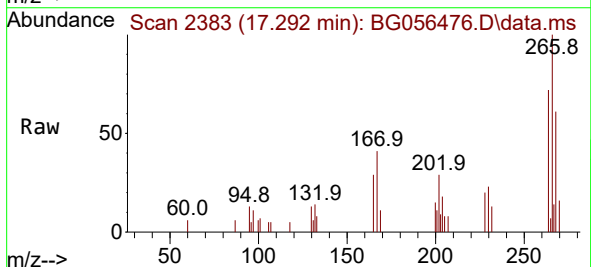
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2022

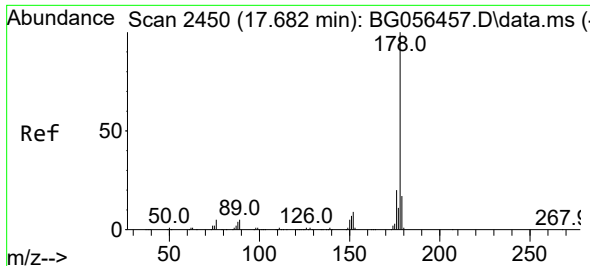
Tgt Ion:200 Resp: 24904  
 Ion Ratio Lower Upper  
 200 100  
 173 23.2 3.2 43.2  
 215 48.2 30.7 70.7



#70  
 Pentachlorophenol  
 Concen: 4.189 ng  
 RT: 17.292 min Scan# 2383  
 Delta R.T. 0.004 min  
 Lab File: BG056476.D  
 Acq: 30 Jan 2023 19:18

Tgt Ion:266 Resp: 7823  
 Ion Ratio Lower Upper  
 266 100  
 268 61.3 50.2 75.4  
 264 71.6 51.4 77.0

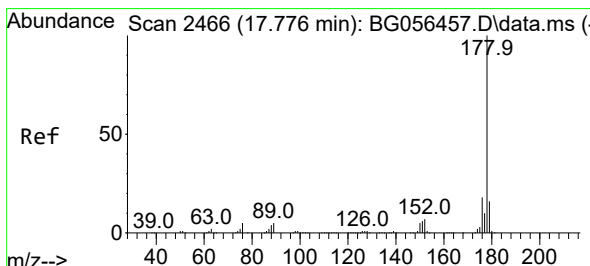
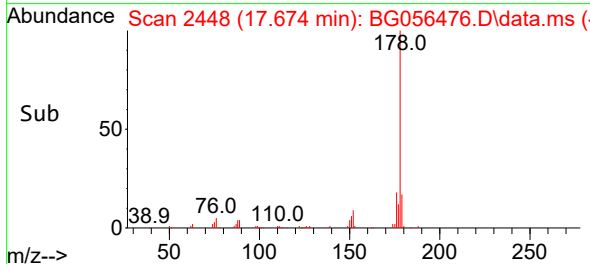
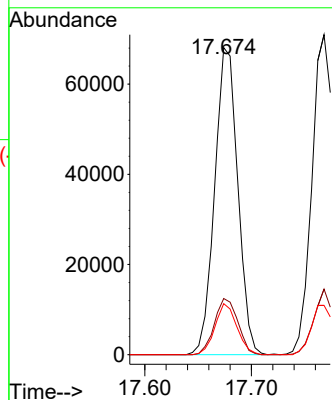
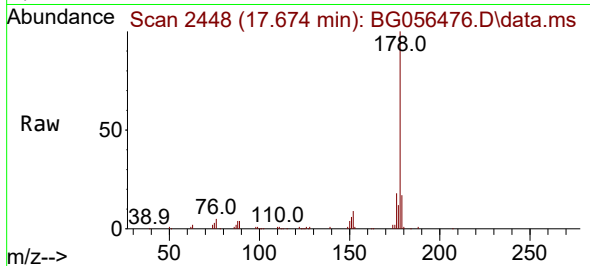




#71  
Phenanthrene  
Concen: 7.954 ng  
RT: 17.674 min Scan# 2448  
Delta R.T. -0.008 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

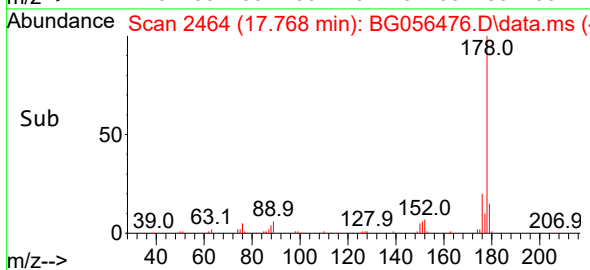
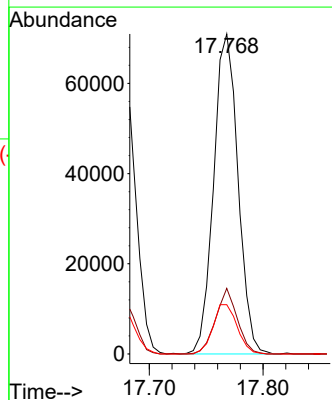
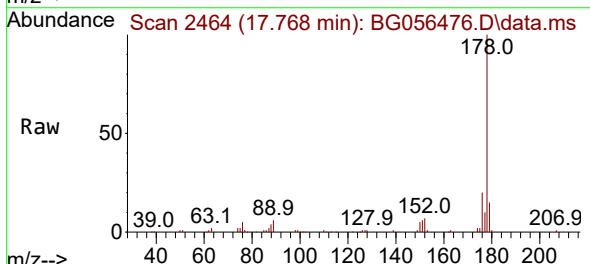
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

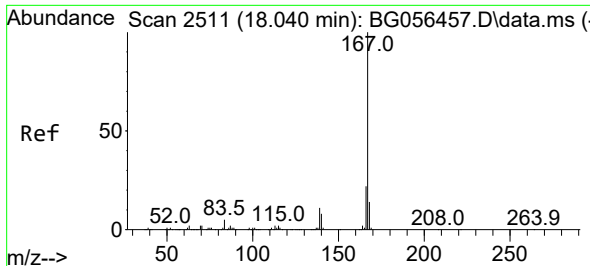
Tgt Ion:178 Resp: 102466  
Ion Ratio Lower Upper  
178 100  
176 18.3 15.6 23.4  
179 16.6 13.3 19.9



#72  
Anthracene  
Concen: 7.981 ng  
RT: 17.768 min Scan# 2464  
Delta R.T. -0.008 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

Tgt Ion:178 Resp: 105538  
Ion Ratio Lower Upper  
178 100  
176 20.5 14.5 21.7  
179 15.4 12.5 18.7

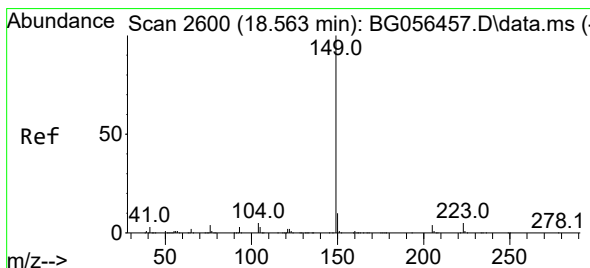
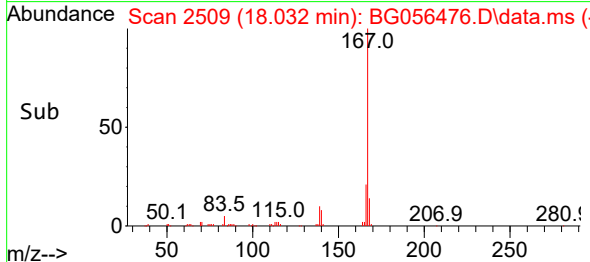
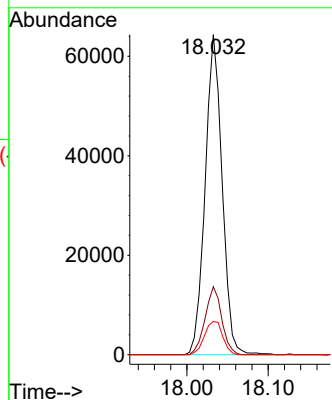
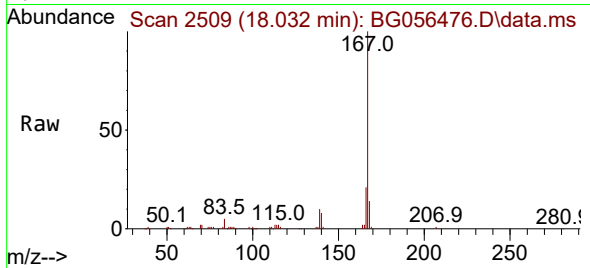




#73  
 Carbazole  
 Concen: 8.267 ng  
 RT: 18.032 min Scan# 2509  
 Delta R.T. -0.008 min  
 Lab File: BG056476.D  
 Acq: 30 Jan 2023 19:18

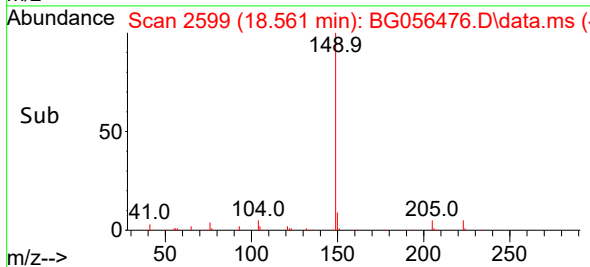
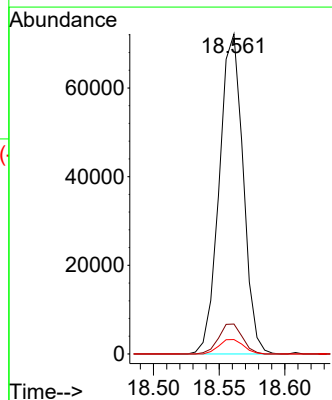
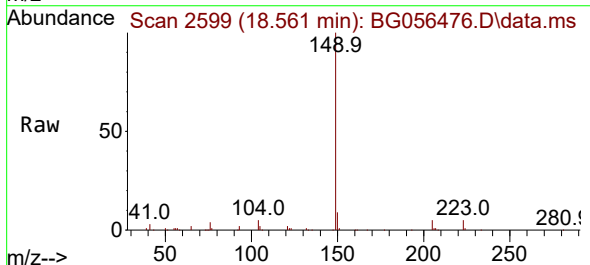
Instrument : BNA\_G  
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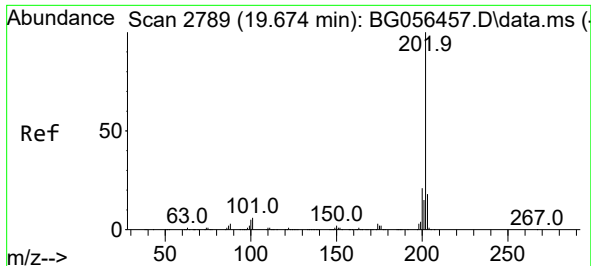
Tgt Ion:167 Resp: 93114  
 Ion Ratio Lower Upper  
 167 100  
 166 21.3 17.8 26.6  
 139 10.4 8.9 13.3



#74  
 Di-n-butylphthalate  
 Concen: 7.710 ng  
 RT: 18.561 min Scan# 2599  
 Delta R.T. -0.002 min  
 Lab File: BG056476.D  
 Acq: 30 Jan 2023 19:18

Tgt Ion:149 Resp: 91175  
 Ion Ratio Lower Upper  
 149 100  
 150 9.4 7.8 11.6  
 104 4.5 4.0 6.0

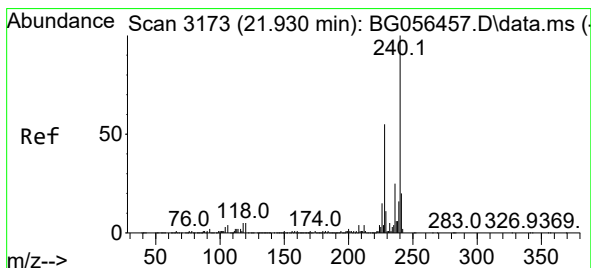
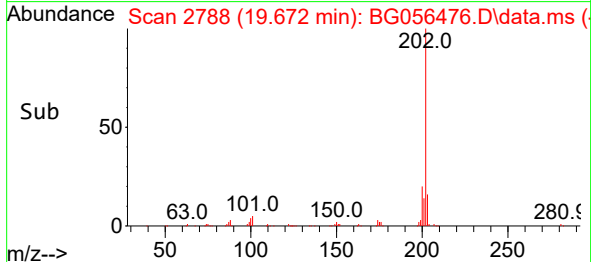
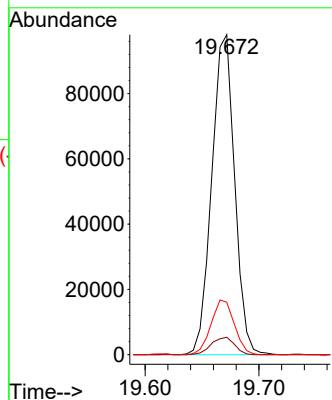
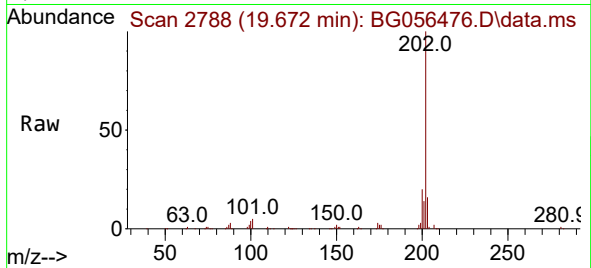




#75  
Fluoranthene  
Concen: 8.417 ng  
RT: 19.672 min Scan# 21  
Delta R.T. -0.002 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

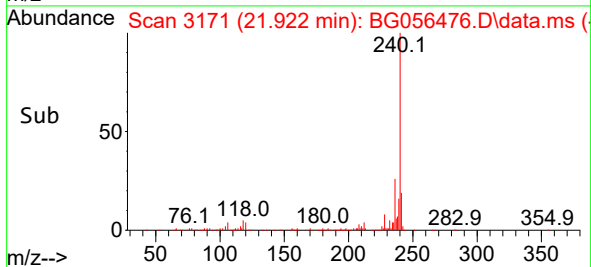
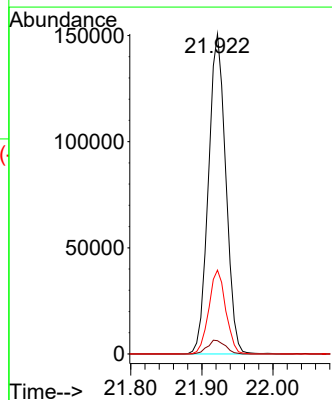
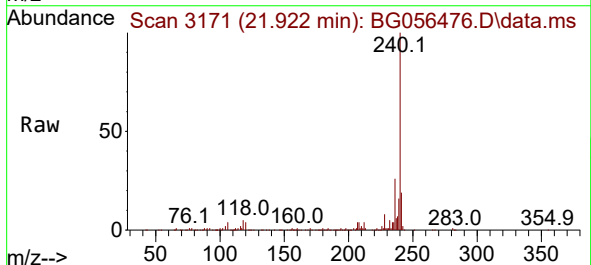
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

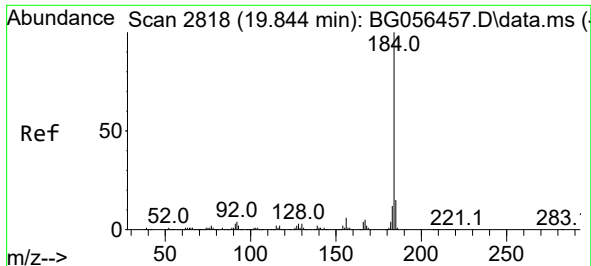
Tgt Ion:202 Resp: 136850  
Ion Ratio Lower Upper  
202 100  
101 5.5 0.0 25.6  
203 16.4 0.0 38.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.922 min Scan# 3171  
Delta R.T. -0.008 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

Tgt Ion:240 Resp: 255841  
Ion Ratio Lower Upper  
240 100  
120 4.2 3.8 5.8  
236 26.2 20.2 30.2

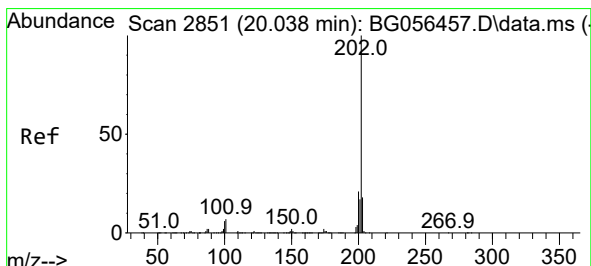
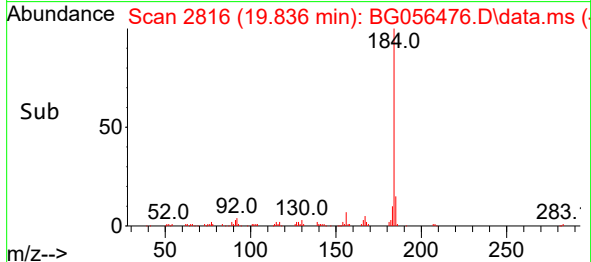
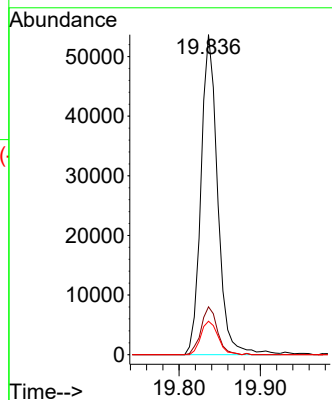
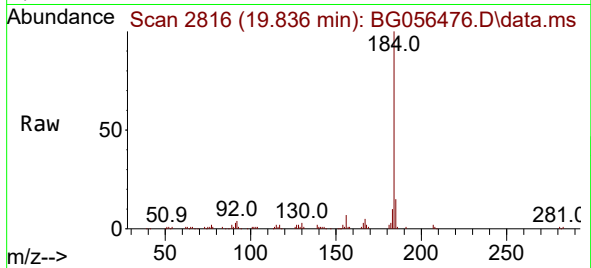




#77  
Benzidine  
Concen: 11.053 ng  
RT: 19.836 min Scan# 2816  
Delta R.T. -0.008 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

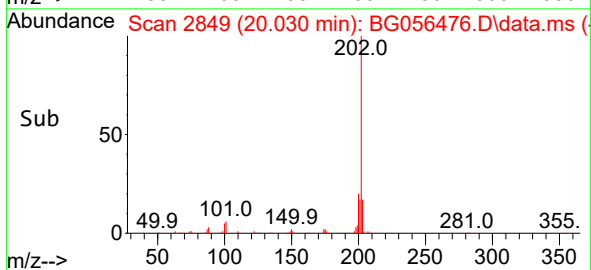
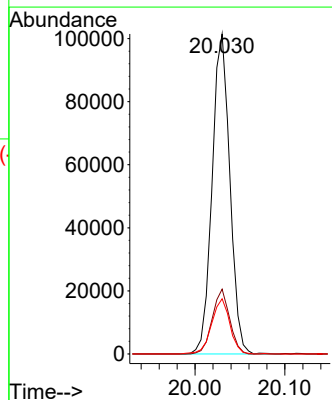
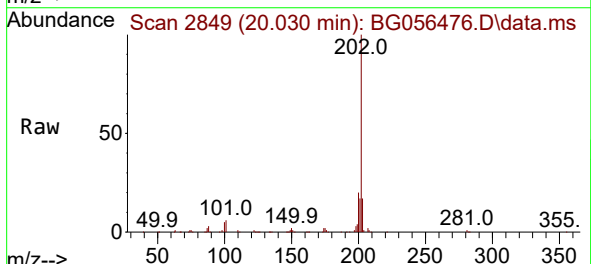
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

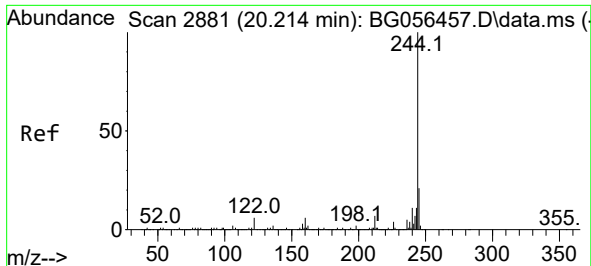
Tgt Ion:184 Resp: 76522  
Ion Ratio Lower Upper  
184 100  
185 15.0 12.3 18.5  
183 10.5 9.8 14.8



#78  
Pyrene  
Concen: 7.643 ng  
RT: 20.030 min Scan# 2849  
Delta R.T. -0.008 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

Tgt Ion:202 Resp: 139063  
Ion Ratio Lower Upper  
202 100  
200 20.2 16.7 25.1  
203 17.2 14.4 21.6

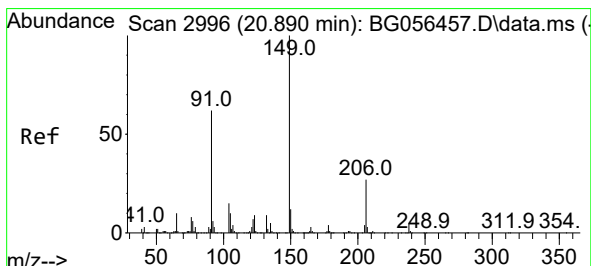
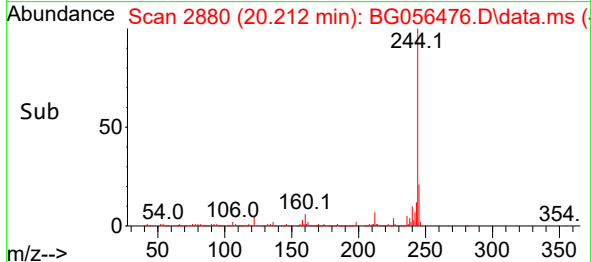
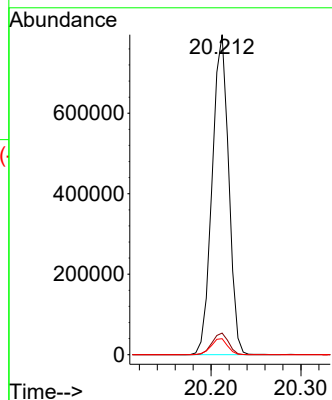
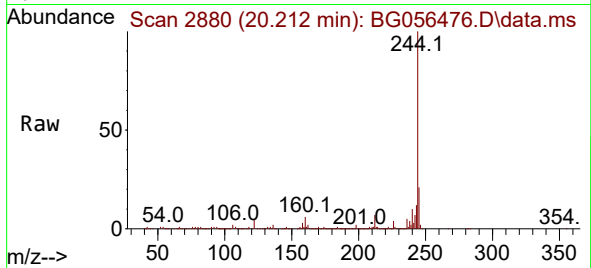




#79  
 Terphenyl-d14  
 Concen: 69.770 ng  
 RT: 20.212 min Scan# 21  
 Delta R.T. -0.002 min  
 Lab File: BG056476.D  
 Acq: 30 Jan 2023 19:18

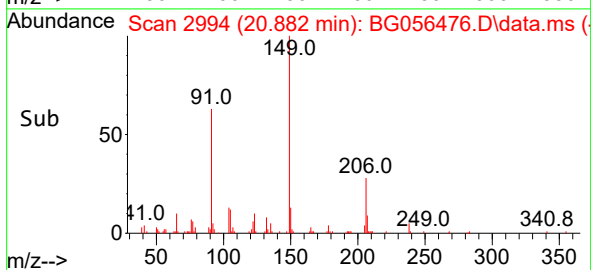
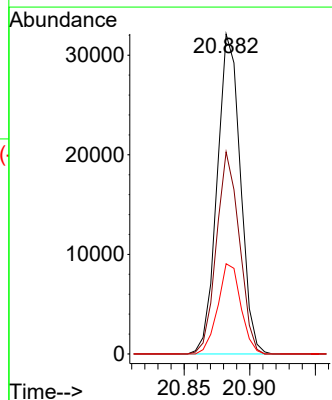
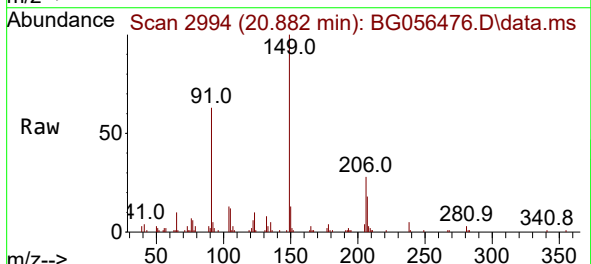
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2022

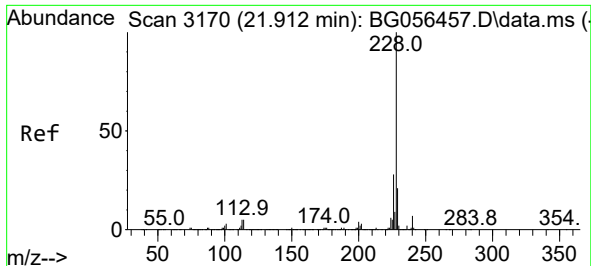
Tgt Ion:244 Resp: 1016304  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.5 8.3  
 122 5.0 4.4 6.6



#80  
 Butylbenzylphthalate  
 Concen: 7.098 ng  
 RT: 20.882 min Scan# 2994  
 Delta R.T. -0.008 min  
 Lab File: BG056476.D  
 Acq: 30 Jan 2023 19:18

Tgt Ion:149 Resp: 39444  
 Ion Ratio Lower Upper  
 149 100  
 91 63.1 49.4 74.0  
 206 28.2 22.0 33.0

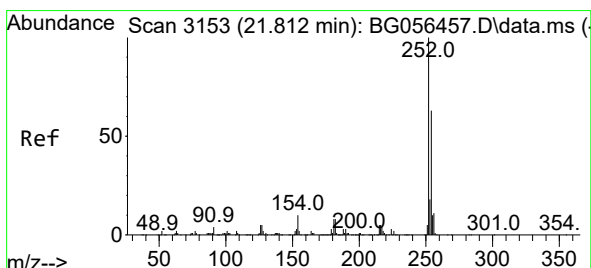
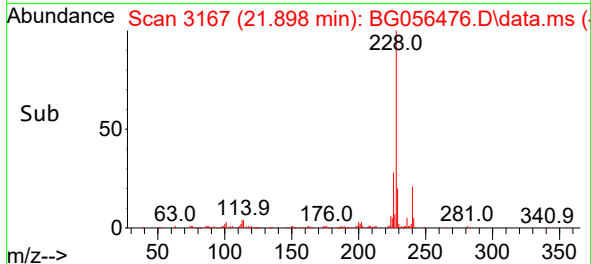
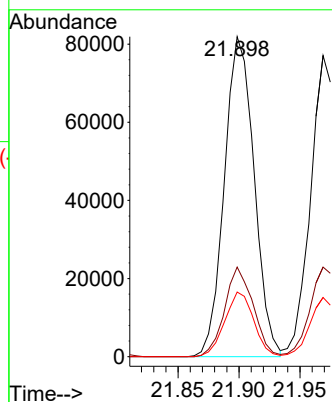
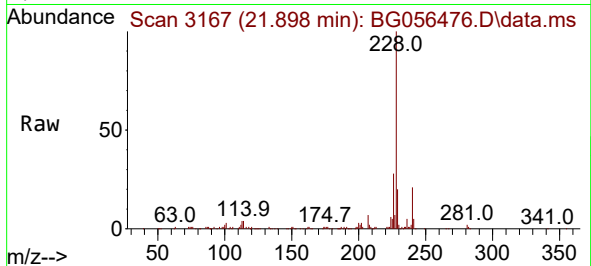




#81  
Benzo(a)anthracene  
Concen: 7.781 ng  
RT: 21.898 min Scan# 3170  
Delta R.T. -0.014 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

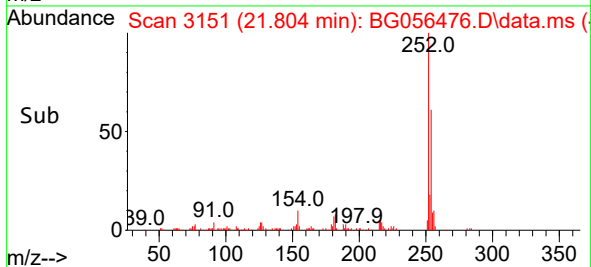
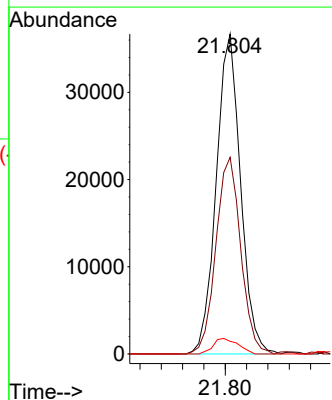
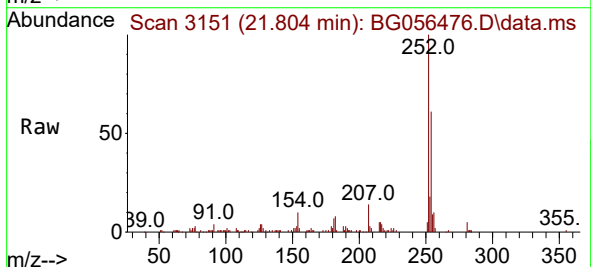
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

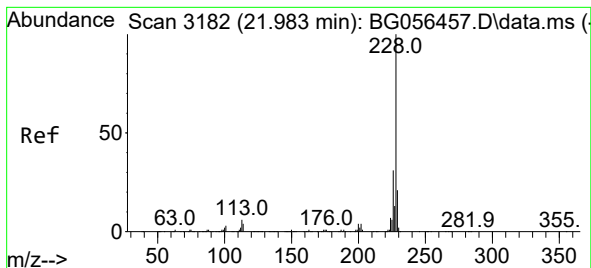
Tgt Ion:228 Resp: 139179  
Ion Ratio Lower Upper  
228 100  
226 28.0 22.4 33.6  
229 20.2 16.5 24.7



#82  
3,3'-Dichlorobenzidine  
Concen: 9.011 ng  
RT: 21.804 min Scan# 3151  
Delta R.T. -0.008 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

Tgt Ion:252 Resp: 58038  
Ion Ratio Lower Upper  
252 100  
254 61.4 50.0 75.0  
126 3.9 4.3 6.5





#83

Chrysene

Concen: 7.708 ng

RT: 21.969 min Scan# 31

Delta R.T. -0.014 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

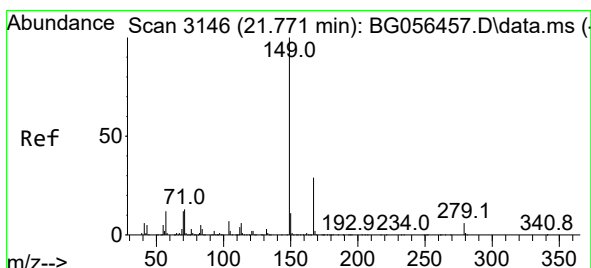
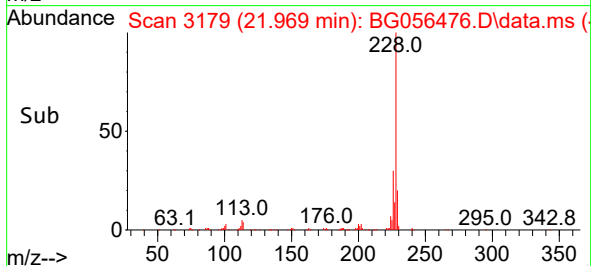
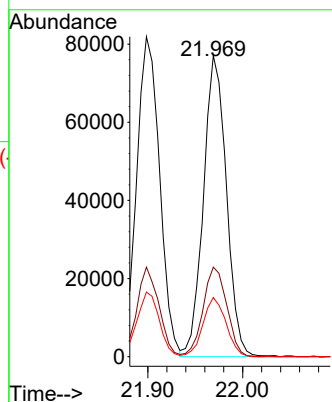
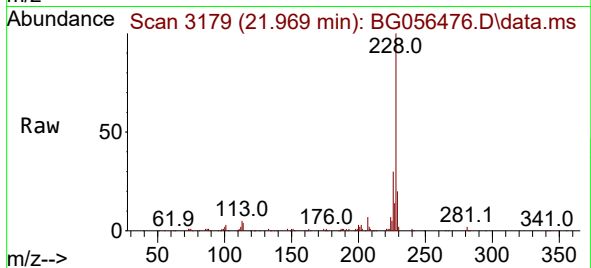
Tgt Ion:228 Resp: 129528

Ion Ratio Lower Upper

228 100

226 29.8 25.0 37.4

229 19.7 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.267 ng

RT: 21.763 min Scan# 3144

Delta R.T. -0.008 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

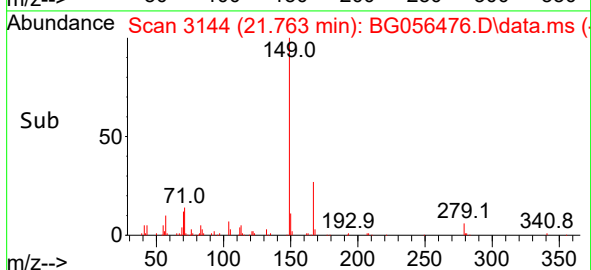
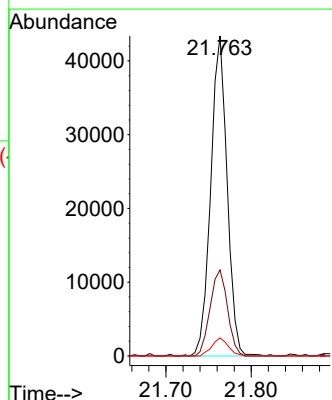
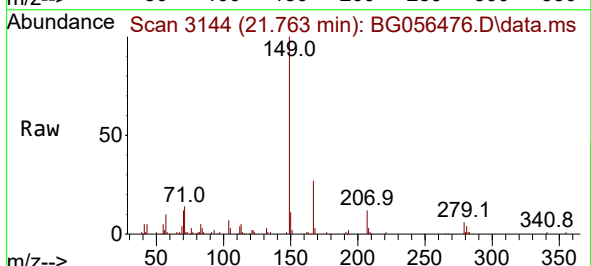
Tgt Ion:149 Resp: 57896

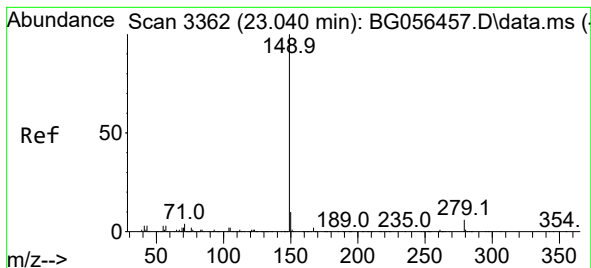
Ion Ratio Lower Upper

149 100

167 26.9 23.4 35.2

279 5.7 4.4 6.6





#85

Di-n-octyl phthalate

Concen: 7.338 ng

RT: 23.032 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

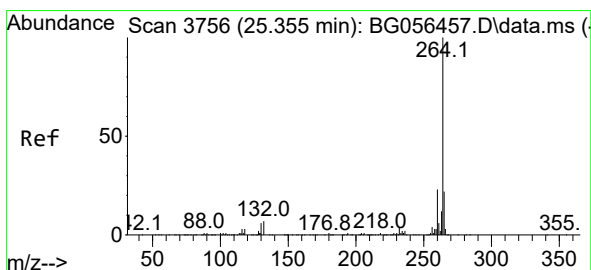
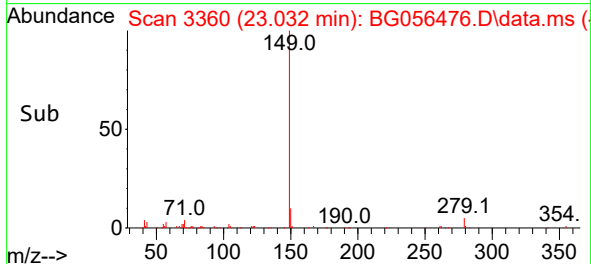
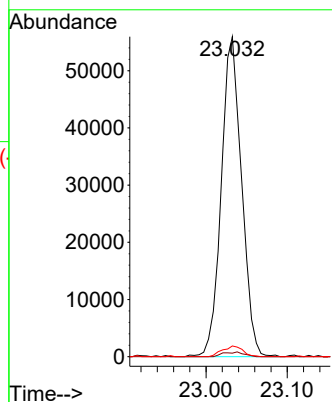
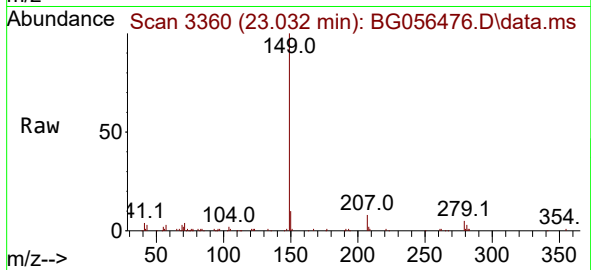
Tgt Ion:149 Resp: 97364

Ion Ratio Lower Upper

149 100

167 1.5 1.4 2.0

43 3.4 2.7 4.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.347 min Scan# 3754

Delta R.T. -0.008 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

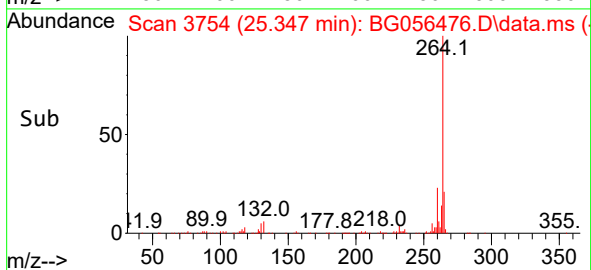
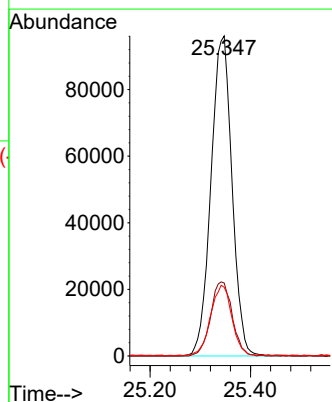
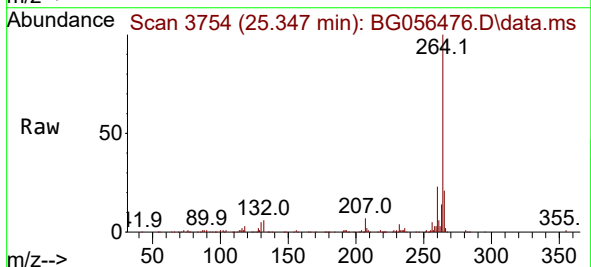
Tgt Ion:264 Resp: 279625

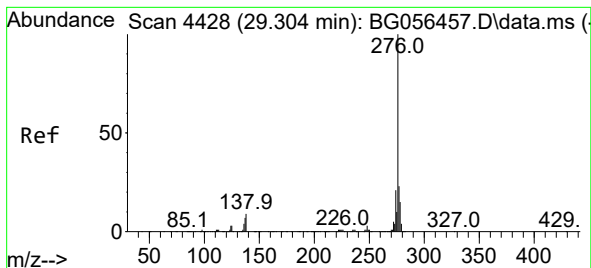
Ion Ratio Lower Upper

264 100

260 22.8 18.2 27.4

265 21.5 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.625 ng

RT: 29.272 min Scan# 4428

Delta R.T. -0.031 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

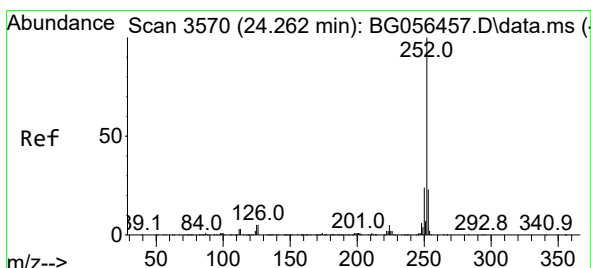
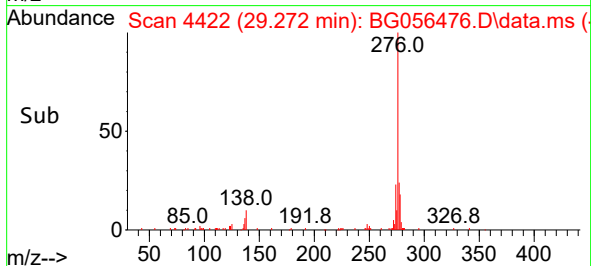
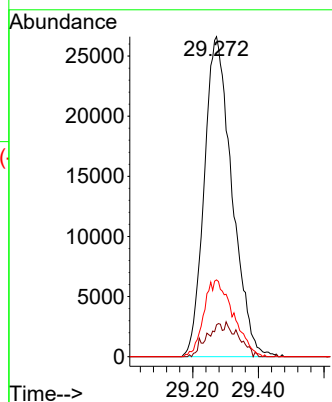
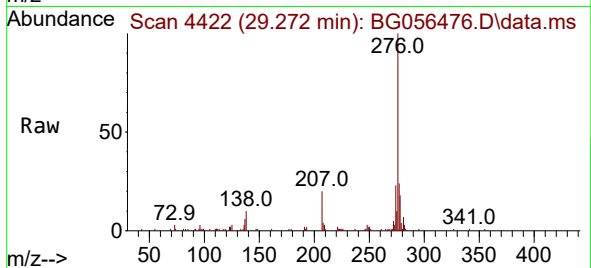
Tgt Ion:276 Resp: 156084

Ion Ratio Lower Upper

276 100

138 6.0 9.4 14.2#

277 25.6 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 8.352 ng

RT: 24.243 min Scan# 3566

Delta R.T. -0.020 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

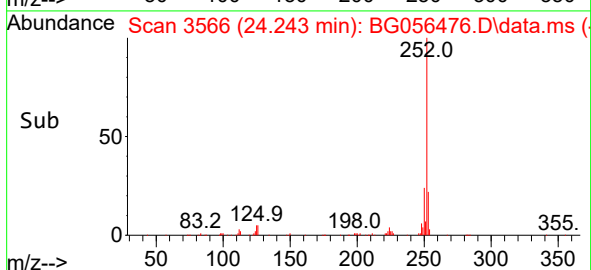
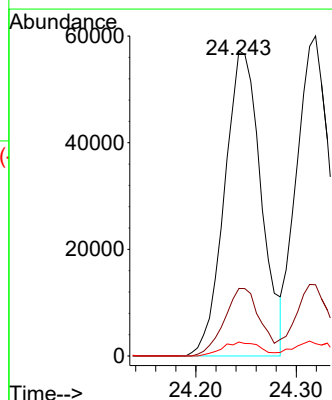
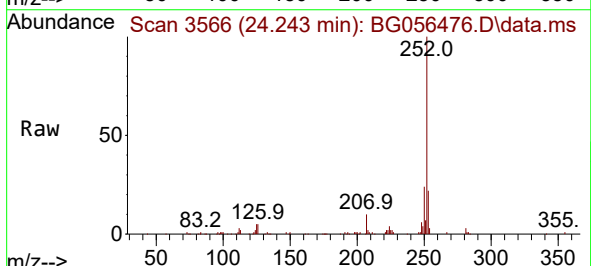
Tgt Ion:252 Resp: 144965

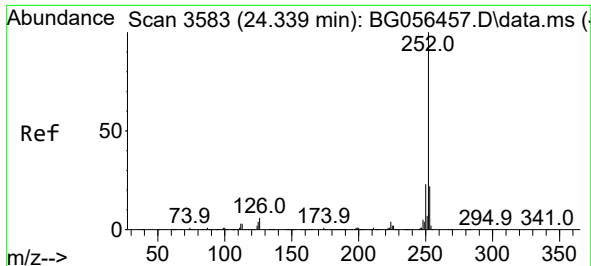
Ion Ratio Lower Upper

252 100

253 22.1 18.1 27.1

125 4.6 3.9 5.9

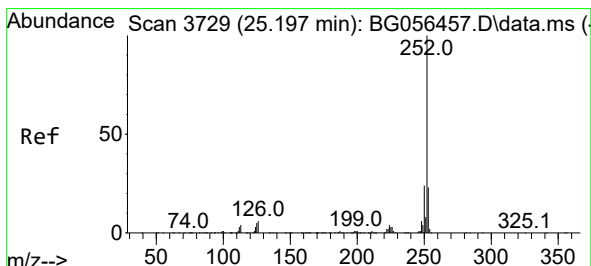
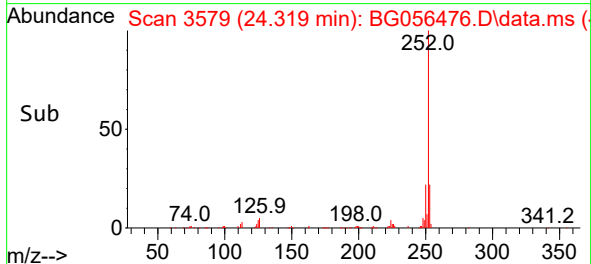
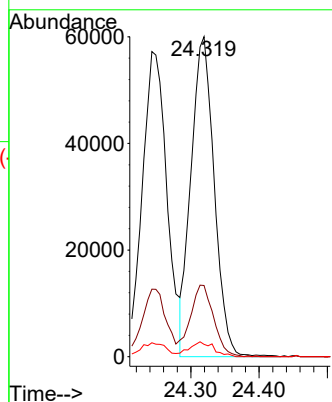
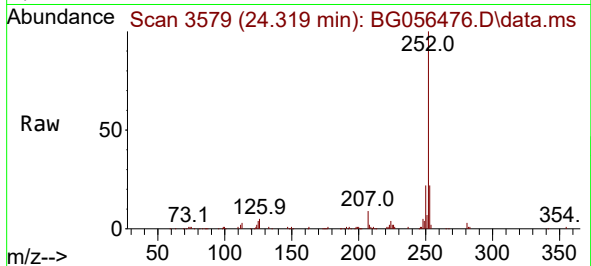




#89  
Benzo(k)fluoranthene  
Concen: 8.075 ng  
RT: 24.319 min Scan# 31  
Delta R.T. -0.020 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

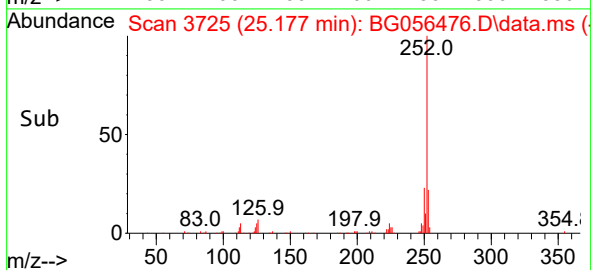
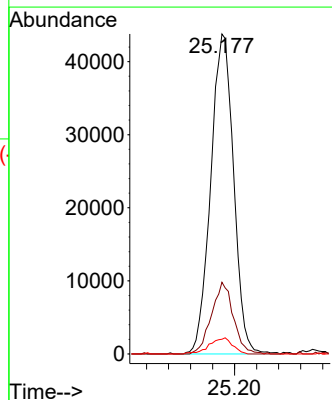
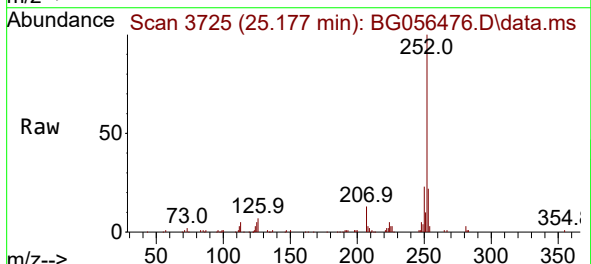
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

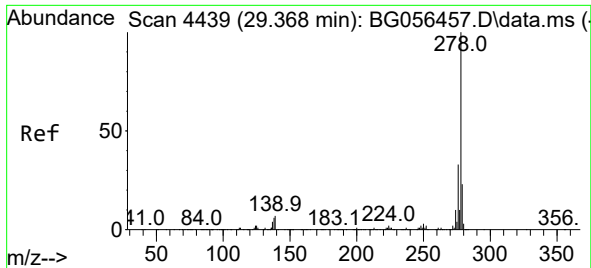
Tgt Ion:252 Resp: 141492  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.5 26.3  
125 3.9 3.4 5.0



#90  
Benzo(a)pyrene  
Concen: 7.394 ng  
RT: 25.177 min Scan# 3725  
Delta R.T. -0.020 min  
Lab File: BG056476.D  
Acq: 30 Jan 2023 19:18

Tgt Ion:252 Resp: 126407  
Ion Ratio Lower Upper  
252 100  
253 22.4 18.4 27.6  
125 4.6 4.1 6.1

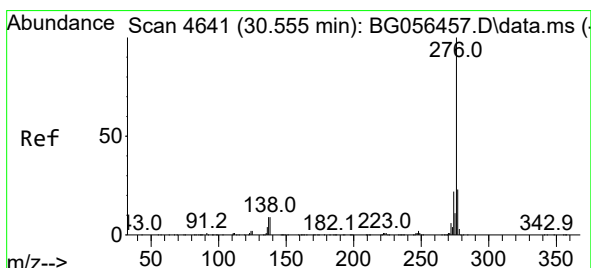
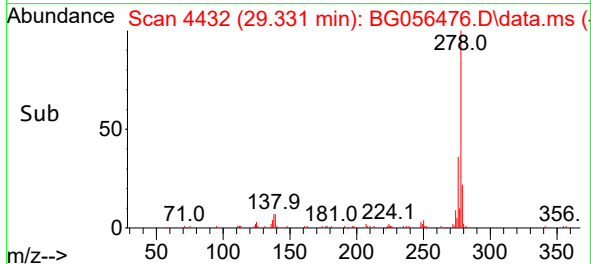
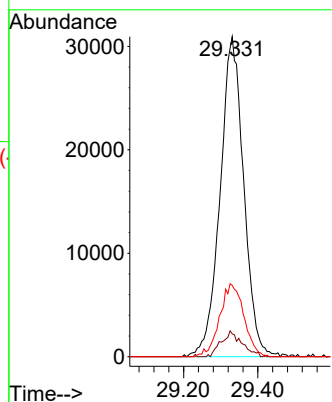
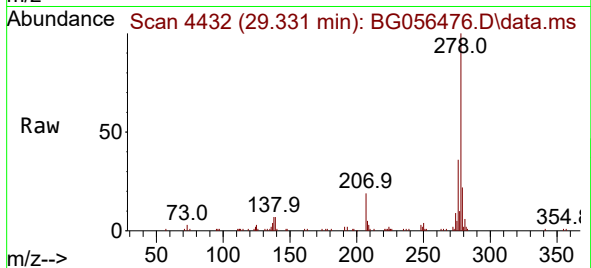




#91  
 Dibenzo(a,h)anthracene  
 Concen: 7.951 ng  
 RT: 29.331 min Scan# 4432  
 Delta R.T. -0.037 min  
 Lab File: BG056476.D  
 Acq: 30 Jan 2023 19:18

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:278 Resp: 136607  
 Ion Ratio Lower Upper  
 278 100  
 139 7.1 5.5 8.3  
 279 22.3 18.8 28.2



#92  
 Benzo(g,h,i)perylene  
 Concen: 7.907 ng  
 RT: 30.500 min Scan# 4631  
 Delta R.T. -0.055 min  
 Lab File: BG056476.D  
 Acq: 30 Jan 2023 19:18

Tgt Ion:276 Resp: 131080  
 Ion Ratio Lower Upper  
 276 100  
 277 21.4 18.5 27.7  
 138 9.5 7.4 11.0

