

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG011025\  
 Data File : BG063949.D  
 Acq On : 10 Jan 2025 14:07  
 Operator : RC/JU  
 Sample : P1187-01  
 Misc : LOD-MDL-SOIL-4PPM  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2024

Quant Time: Jan 10 14:45:38 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG010325.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 03 23:17:54 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.765  | 152  | 105538   | 20.000  | ng    | -0.03    |
| 21) Naphthalene-d8            | 10.556 | 136  | 412031   | 20.000  | ng    | -0.02    |
| 39) Acenaphthene-d10          | 14.416 | 164  | 285267   | 20.000  | ng    | -0.02    |
| 64) Phenanthrene-d10          | 17.172 | 188  | 654860   | 20.000  | ng    | -0.02    |
| 76) Chrysene-d12              | 21.426 | 240  | 665529   | 20.000  | ng    | #-0.03   |
| 86) Perylene-d12              | 24.428 | 264  | 720105   | 20.000  | ng    | -0.05    |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.362  | 112  | 774944   | 116.991 | ng    | -0.03    |
| 7) Phenol-d6                  | 6.954  | 99   | 1113480  | 116.196 | ng    | -0.03    |
| 23) Nitrobenzene-d5           | 8.923  | 82   | 826142   | 78.981  | ng    | -0.03    |
| 42) 2,4,6-Tribromophenol      | 15.914 | 330  | 361619   | 105.124 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 13.030 | 172  | 1600116  | 81.261  | ng    | -0.02    |
| 79) Terphenyl-d14             | 19.804 | 244  | 2720628  | 81.167  | ng    | -0.02    |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.253  | 88   | 13547    | 3.890   | ng    | # 89     |
| 3) Pyridine                   | 3.658  | 79   | 31238    | 3.330   | ng    | # 86     |
| 4) n-Nitrosodimethylamine     | 3.576  | 42   | 12929    | 3.606   | ng    | # 83     |
| 6) Aniline                    | 7.095  | 93   | 41046    | 4.931   | ng    | 89       |
| 8) 2-Chlorophenol             | 7.336  | 128  | 25281    | 3.926   | ng    | 91       |
| 9) Benzaldehyde               | 6.907  | 77   | 30278    | 4.948   | ng    | 89       |
| 10) Phenol                    | 6.978  | 94   | 41259    | 4.135   | ng    | 86       |
| 11) bis(2-Chloroethyl)ether   | 7.195  | 93   | 30085    | 3.846   | ng    | 81       |
| 12) 1,3-Dichlorobenzene       | 7.659  | 146  | 30583    | 3.940   | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 7.806  | 146  | 33766    | 4.352   | ng    | 89       |
| 14) 1,2-Dichlorobenzene       | 8.118  | 146  | 31465    | 4.121   | ng    | 96       |
| 15) Benzyl Alcohol            | 8.006  | 79   | 22897    | 3.330   | ng    | 90       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.282  | 45   | 46086    | 4.093   | ng    | 96       |
| 17) 2-Methylphenol            | 8.223  | 107  | 23020    | 3.554   | ng    | 96       |
| 18) Hexachloroethane          | 8.835  | 117  | 10995    | 3.654   | ng    | # 78     |
| 19) n-Nitroso-di-n-propyla... | 8.570  | 70   | 24020    | 3.432   | ng    | # 82     |
| 20) 3+4-Methylphenols         | 8.553  | 107  | 32075    | 3.682   | ng    | 87       |
| 22) Acetophenone              | 8.588  | 105  | 49953    | 4.037   | ng    | # 95     |
| 24) Nitrobenzene              | 8.970  | 77   | 41968    | 3.737   | ng    | 93       |
| 25) Isophorone                | 9.487  | 82   | 66526    | 3.609   | ng    | 96       |
| 26) 2-Nitrophenol             | 9.681  | 139  | 11915    | 3.343   | ng    | # 94     |
| 27) 2,4-Dimethylphenol        | 9.751  | 122  | 11484    | 2.527   | ng    | # 74     |
| 28) bis(2-Chloroethoxy)met... | 9.974  | 93   | 38972    | 3.545   | ng    | # 98     |
| 29) 2,4-Dichlorophenol        | 10.233 | 162  | 23072    | 3.398   | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 10.421 | 180  | 32185    | 3.919   | ng    | 95       |
| 31) Naphthalene               | 10.609 | 128  | 90203    | 4.038   | ng    | # 96     |
| 33) 4-Chloroaniline           | 10.738 | 127  | 28388    | 3.915   | ng    | # 86     |
| 34) Hexachlorobutadiene       | 10.891 | 225  | 19289    | 3.426   | ng    | 95       |
| 35) Caprolactam               | 11.473 | 113  | 7176     | 3.201   | ng    | # 80     |
| 36) 4-Chloro-3-methylphenol   | 11.872 | 107  | 23915    | 3.173   | ng    | 96       |
| 37) 2-Methylnaphthalene       | 12.231 | 142  | 59815    | 3.811   | ng    | 93       |
| 38) 1-Methylnaphthalene       | 12.442 | 142  | 56030    | 3.589   | ng    | 94       |
| 40) 1,2,4,5-Tetrachloroben... | 12.607 | 216  | 37892    | 3.959   | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.847 | 196  | 18339m   | 3.253   | ng    |          |
| 44) 2,4,5-Trichlorophenol     | 12.942 | 196  | 21375    | 3.379   | ng    | 96       |
| 46) 1,1'-Biphenyl             | 13.247 | 154  | 88101    | 4.231   | ng    | 95       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG011025\  
 Data File : BG063949.D  
 Acq On : 10 Jan 2025 14:07  
 Operator : RC/JU  
 Sample : P1187-01  
 Misc : LOD-MDL-SOIL-4PPM  
 ALS Vial : 8 Sample Multiplier: 1

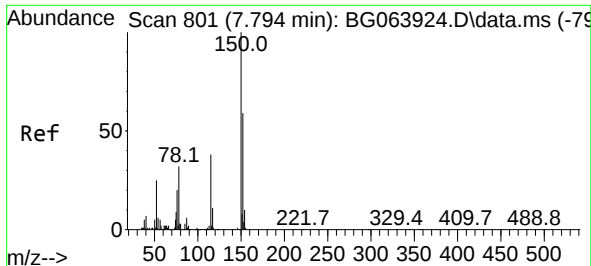
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2024

Quant Time: Jan 10 14:45:38 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG010325.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 03 23:17:54 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 47) 2-Chloronaphthalene       | 13.288 | 162  | 66023    | 3.857 | ng    | 95       |
| 48) 2-Nitroaniline            | 13.500 | 65   | 17553    | 3.065 | ng    | 95       |
| 49) Acenaphthylene            | 14.140 | 152  | 106233   | 4.189 | ng    | 97       |
| 50) Dimethylphthalate         | 13.870 | 163  | 78829    | 3.783 | ng    | 97       |
| 51) 2,6-Dinitrotoluene        | 13.993 | 165  | 15461    | 3.331 | ng #  | 81       |
| 52) Acenaphthene              | 14.481 | 154  | 57816    | 3.728 | ng    | 90       |
| 53) 3-Nitroaniline            | 14.340 | 138  | 12021    | 2.823 | ng    | 81       |
| 55) Dibenzofuran              | 14.816 | 168  | 106839   | 3.969 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.692 | 139  | 5701m    | 1.953 | ng    |          |
| 57) 2,4-Dinitrotoluene        | 14.798 | 165  | 17750    | 2.724 | ng #  | 93       |
| 58) Fluorene                  | 15.468 | 166  | 84143    | 4.023 | ng    | 88       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.057 | 232  | 16954m   | 3.037 | ng    |          |
| 60) Diethylphthalate          | 15.239 | 149  | 75888    | 3.695 | ng    | 96       |
| 61) 4-Chlorophenyl-phenyle... | 15.462 | 204  | 42723    | 3.768 | ng    | 95       |
| 62) 4-Nitroaniline            | 15.497 | 138  | 10625    | 2.401 | ng    | 86       |
| 63) Azobenzene                | 15.756 | 77   | 92198    | 3.549 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 15.580 | 198  | 4998m    | 1.464 | ng    |          |
| 66) n-Nitrosodiphenylamine    | 15.679 | 169  | 67301    | 3.946 | ng    | 93       |
| 67) 4-Bromophenyl-phenylether | 16.361 | 248  | 27230    | 3.761 | ng #  | 82       |
| 68) Hexachlorobenzene         | 16.484 | 284  | 30708    | 3.715 | ng    | 96       |
| 69) Atrazine                  | 16.631 | 200  | 24765    | 4.530 | ng    | 89       |
| 70) Pentachlorophenol         | 16.849 | 266  | 5286m    | 1.542 | ng    |          |
| 71) Phenanthrene              | 17.213 | 178  | 141708   | 4.160 | ng    | 98       |
| 72) Anthracene                | 17.307 | 178  | 132101   | 3.984 | ng    | 98       |
| 73) Carbazole                 | 17.583 | 167  | 115962   | 3.787 | ng    | 97       |
| 74) Di-n-butylphthalate       | 18.141 | 149  | 121396   | 3.558 | ng    | 98       |
| 75) Fluoranthene              | 19.240 | 202  | 167630   | 3.900 | ng    | 100      |
| 77) Benzidine                 | 19.428 | 184  | 29206m   | 3.136 | ng    |          |
| 78) Pyrene                    | 19.604 | 202  | 181583   | 3.978 | ng    | 97       |
| 80) Butylbenzylphthalate      | 20.497 | 149  | 41858    | 2.972 | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.408 | 228  | 174575   | 3.921 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.332 | 252  | 42858    | 3.099 | ng #  | 96       |
| 83) Chrysene                  | 21.467 | 228  | 178831   | 4.137 | ng    | 94       |
| 84) Bis(2-ethylhexyl)phtha... | 21.320 | 149  | 68170    | 3.165 | ng #  | 97       |
| 85) Di-n-octyl phthalate      | 22.448 | 149  | 114049   | 3.040 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 27.812 | 276  | 181541m  | 3.630 | ng    |          |
| 88) Benzo(b)fluoranthene      | 23.476 | 252  | 162081   | 3.601 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.541 | 252  | 169211   | 3.746 | ng    | 96       |
| 90) Benzo(a)pyrene            | 24.281 | 252  | 158405   | 3.962 | ng    | 94       |
| 91) Dibenzo(a,h)anthracene    | 27.859 | 278  | 143702m  | 3.472 | ng    |          |
| 92) Benzo(g,h,i)perylene      | 28.870 | 276  | 143876m  | 3.380 | ng    |          |

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

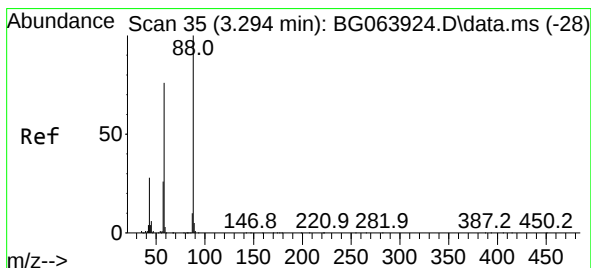
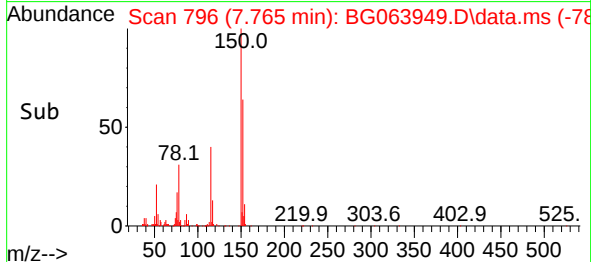
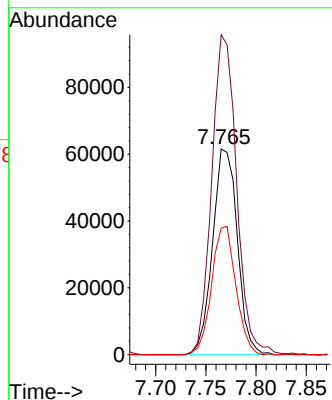
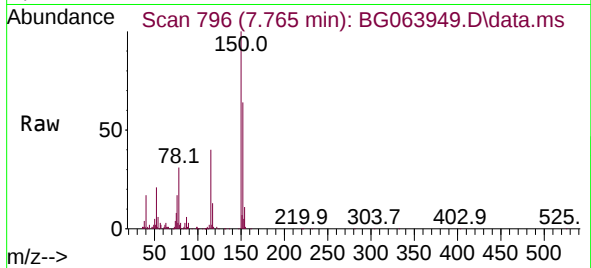




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.765 min Scan# 79  
 Delta R.T. -0.029 min  
 Lab File: BG063949.D  
 Acq: 10 Jan 2025 14:07

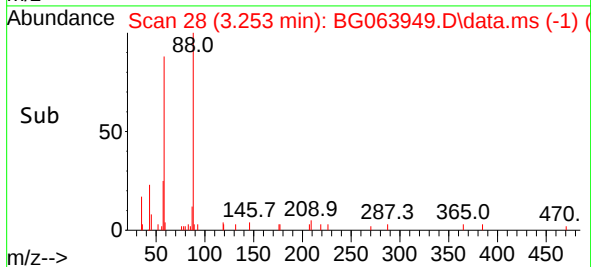
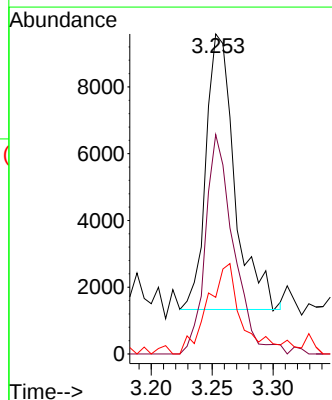
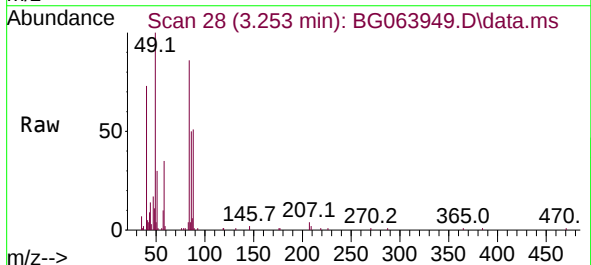
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2024

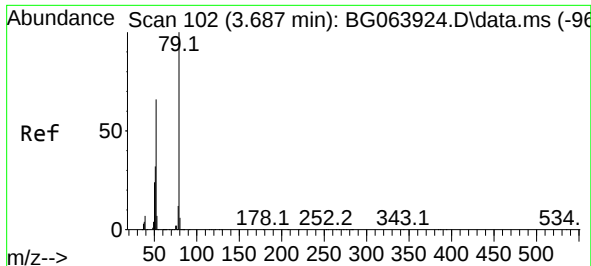
Tgt Ion:152 Resp: 105538  
 Ion Ratio Lower Upper  
 152 100  
 150 155.5 135.5 203.3  
 115 61.5 51.8 77.8



#2  
 1,4-Dioxane  
 Concen: 3.890 ng  
 RT: 3.253 min Scan# 28  
 Delta R.T. -0.041 min  
 Lab File: BG063949.D  
 Acq: 10 Jan 2025 14:07

Tgt Ion: 88 Resp: 13547  
 Ion Ratio Lower Upper  
 88 100  
 58 78.1 58.4 87.6  
 43 40.3 22.1 33.1#

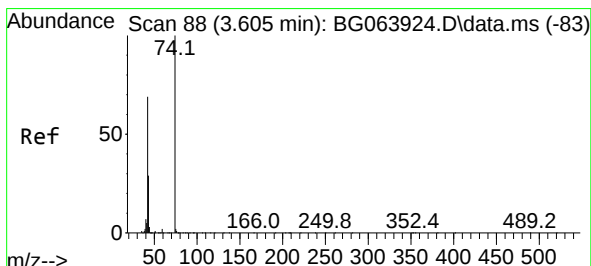
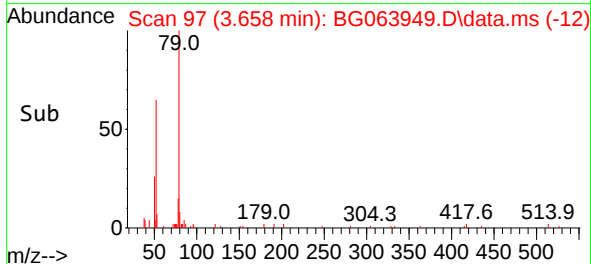
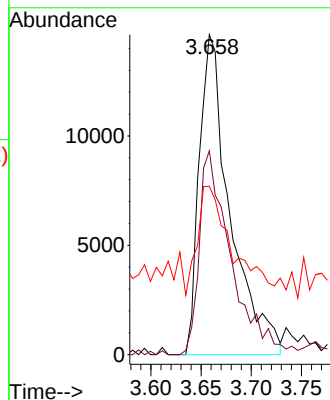
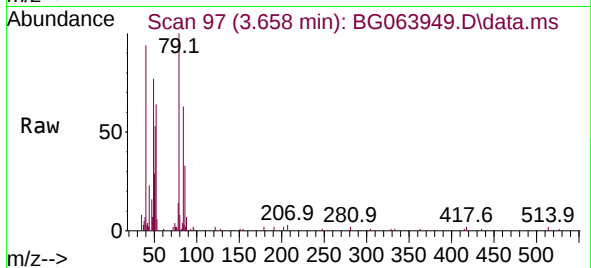




#3  
Pyridine  
Concen: 3.330 ng  
RT: 3.658 min Scan# 91  
Delta R.T. -0.029 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

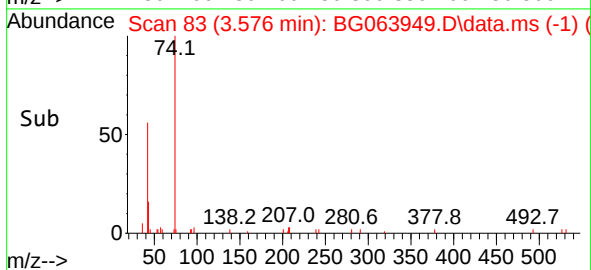
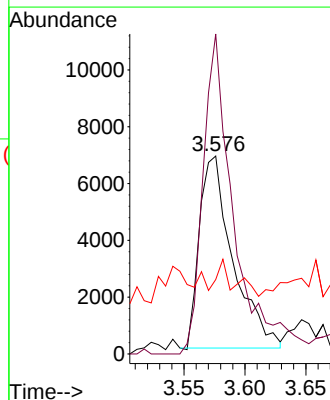
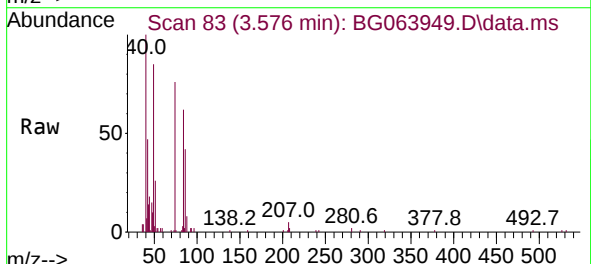
Instrument : BNA\_G  
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024

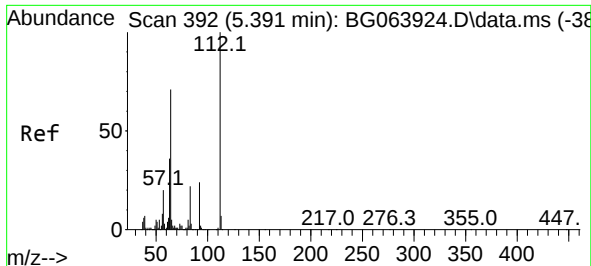
Tgt Ion: 79 Resp: 31238  
Ion Ratio Lower Upper  
79 100  
52 63.7 53.1 79.7  
51 52.6 26.2 39.4#



#4  
n-Nitrosodimethylamine  
Concen: 3.606 ng  
RT: 3.576 min Scan# 83  
Delta R.T. -0.029 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

Tgt Ion: 42 Resp: 12929  
Ion Ratio Lower Upper  
42 100  
74 161.7 116.6 175.0  
44 37.6 10.4 15.6#

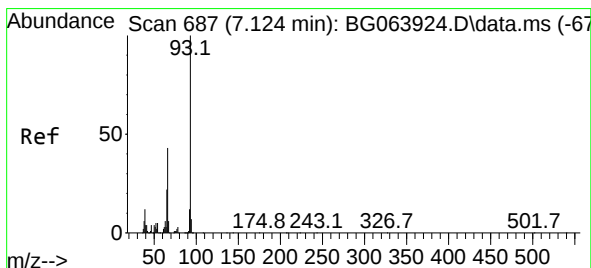
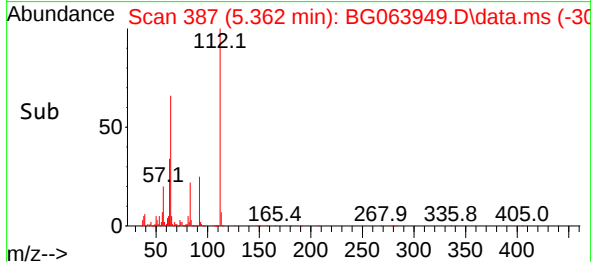
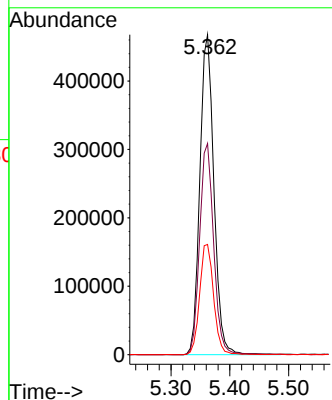
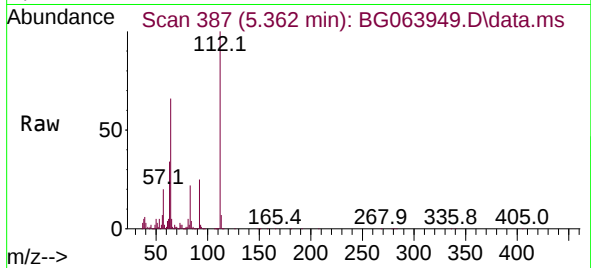




#5  
2-Fluorophenol  
Concen: 116.991 ng  
RT: 5.362 min Scan# 31  
Delta R.T. -0.029 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

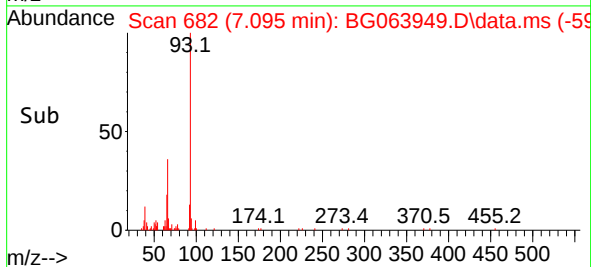
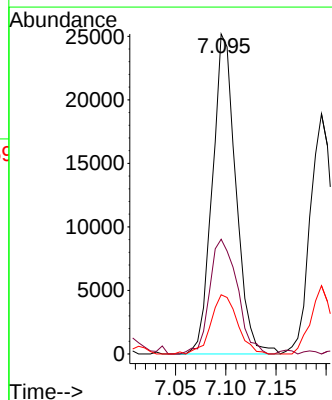
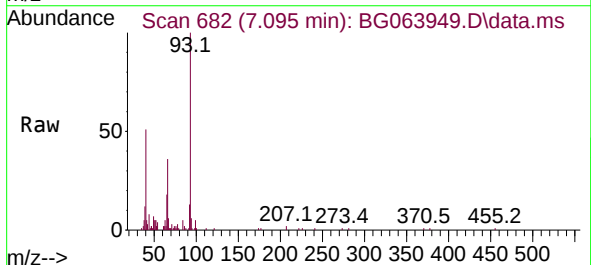
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

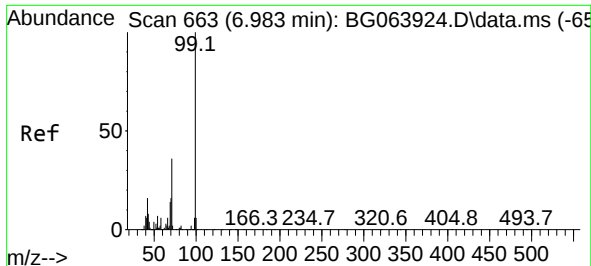
Tgt Ion:112 Resp: 774944  
Ion Ratio Lower Upper  
112 100  
64 66.0 56.6 85.0  
63 34.5 29.2 43.8



#6  
Aniline  
Concen: 4.931 ng  
RT: 7.095 min Scan# 682  
Delta R.T. -0.029 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

Tgt Ion: 93 Resp: 41046  
Ion Ratio Lower Upper  
93 100  
66 35.8 35.0 52.4  
65 18.5 17.8 26.8





#7

Phenol-d6

Concen: 116.196 ng

RT: 6.954 min Scan# 61

Delta R.T. -0.029 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

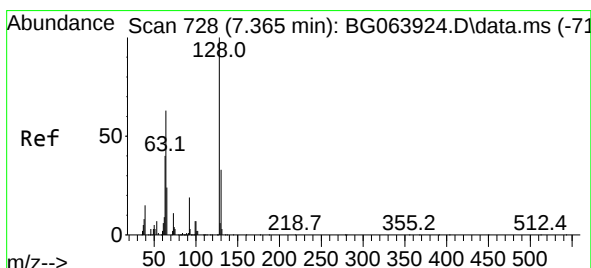
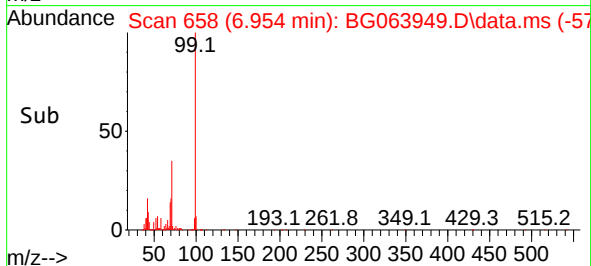
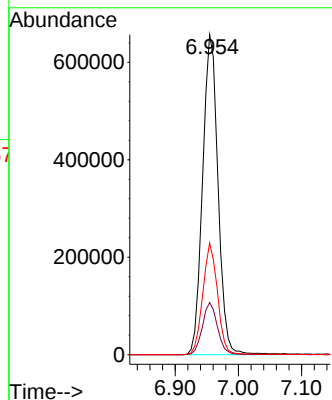
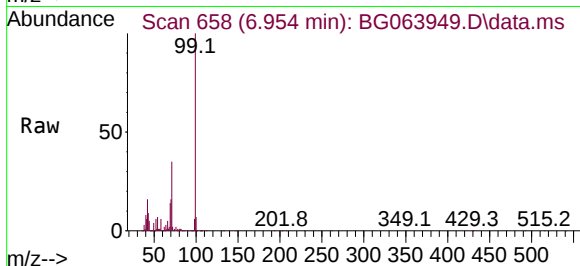
BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

Tgt Ion: 99 Resp: 1113480

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.3  | 13.0  | 19.6  |
| 71  | 34.9  | 28.5  | 42.7  |



#8

2-Chlorophenol

Concen: 3.926 ng

RT: 7.336 min Scan# 723

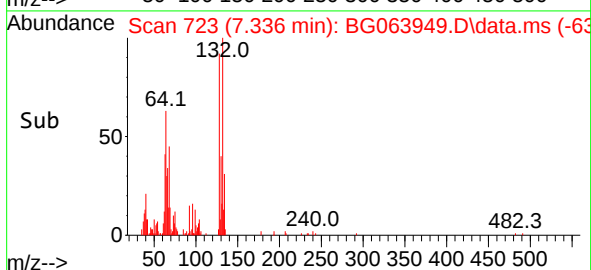
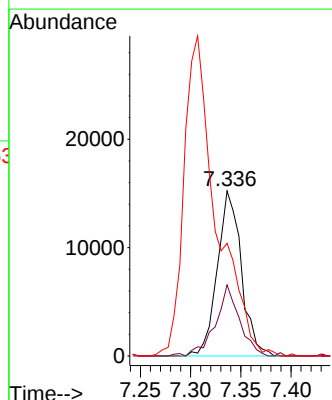
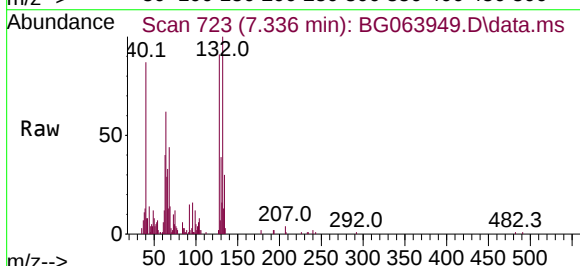
Delta R.T. -0.029 min

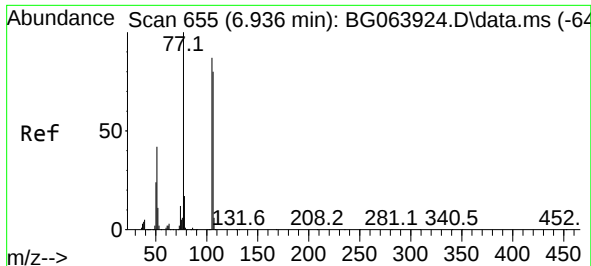
Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Tgt Ion:128 Resp: 25281

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 43.1  | 13.4  | 53.4  |
| 64  | 68.3  | 44.6  | 84.6  |

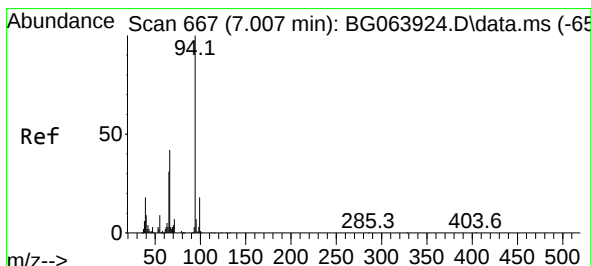
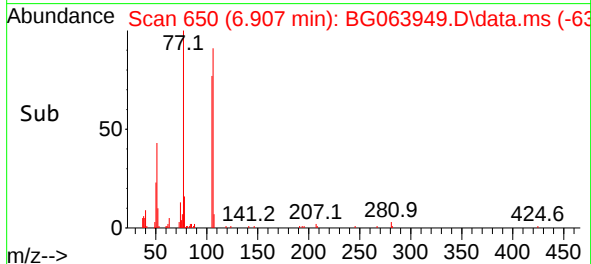
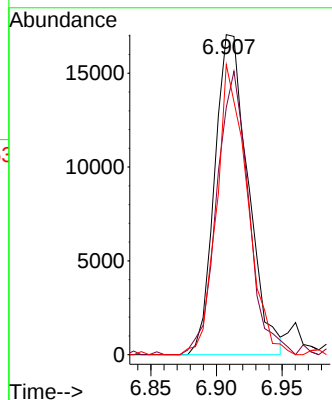
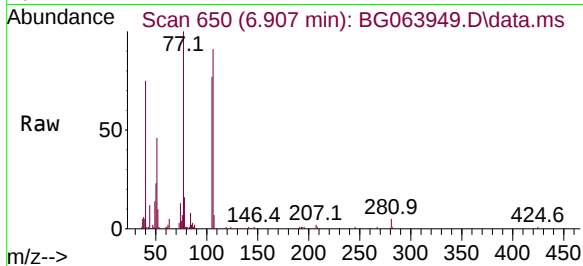




#9  
Benzaldehyde  
Concen: 4.948 ng  
RT: 6.907 min Scan# 610  
Delta R.T. -0.029 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

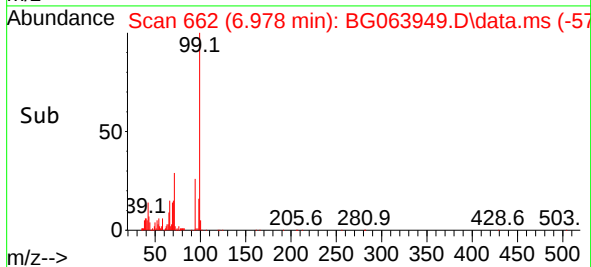
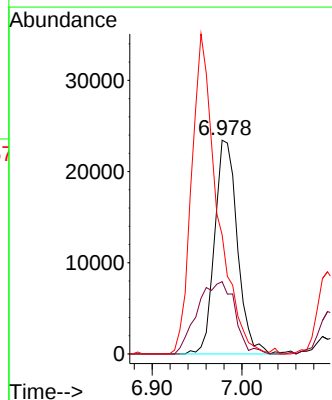
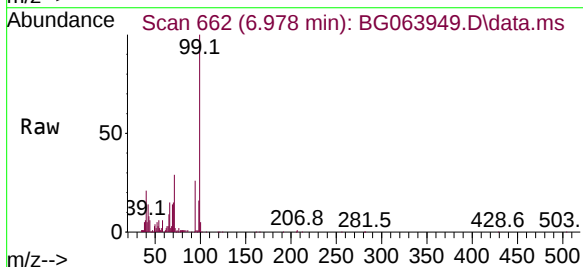
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

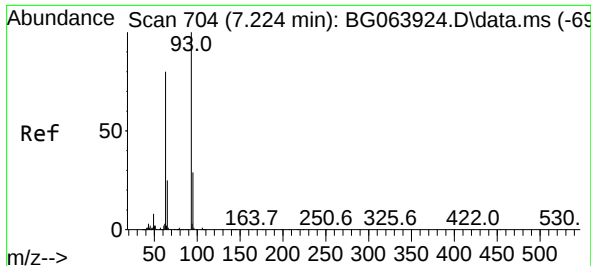
Tgt Ion: 77 Resp: 30278  
Ion Ratio Lower Upper  
77 100  
105 77.2 66.5 106.5  
106 90.7 60.1 100.1



#10  
Phenol  
Concen: 4.135 ng  
RT: 6.978 min Scan# 662  
Delta R.T. -0.029 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

Tgt Ion: 94 Resp: 41259  
Ion Ratio Lower Upper  
94 100  
65 33.8 11.5 51.5  
66 55.8 21.9 61.9

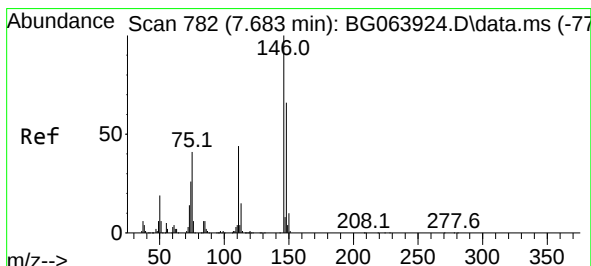
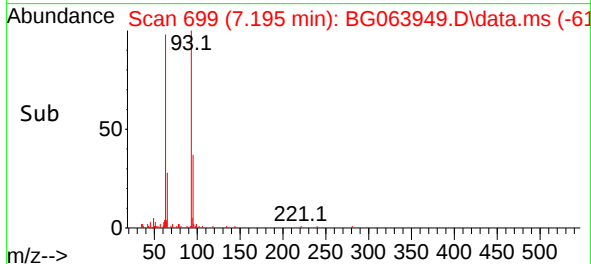
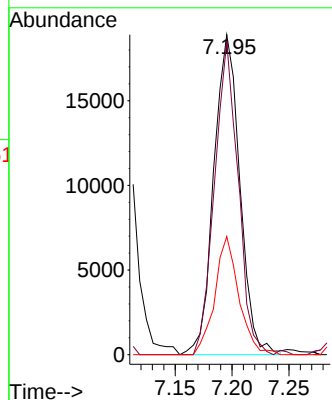
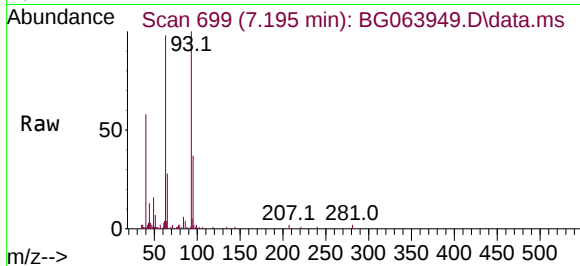




#11  
bis(2-Chloroethyl)ether  
Concen: 3.846 ng  
RT: 7.195 min Scan# 61  
Delta R.T. -0.029 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

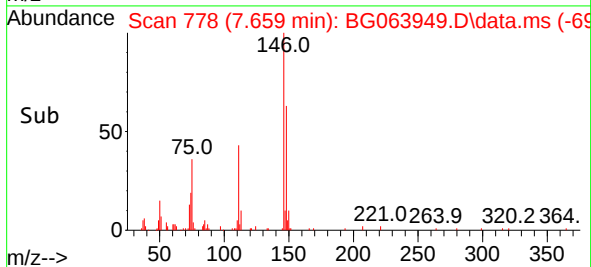
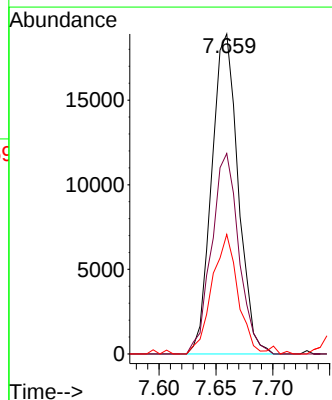
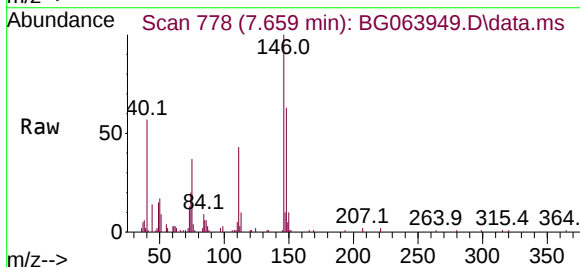
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

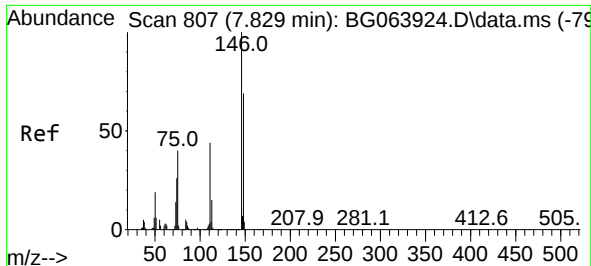
|             |             |
|-------------|-------------|
| Tgt Ion: 93 | Resp: 30085 |
| Ion Ratio   | Lower Upper |
| 93 100      |             |
| 63 97.9     | 59.6 99.6   |
| 95 36.9     | 9.3 49.3    |



#12  
1,3-Dichlorobenzene  
Concen: 3.940 ng  
RT: 7.659 min Scan# 778  
Delta R.T. -0.023 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:146 | Resp: | 30583 |       |
| Ion         | Ratio | Lower | Upper |
| 146         | 100   |       |       |
| 148         | 62.6  | 52.6  | 78.8  |
| 75          | 37.3  | 32.6  | 48.8  |

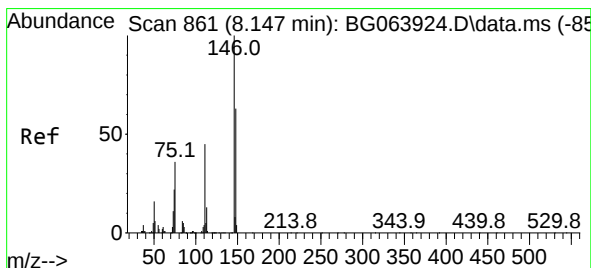
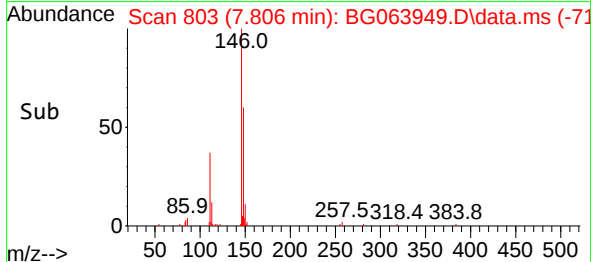
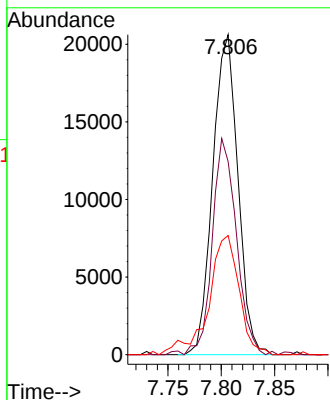
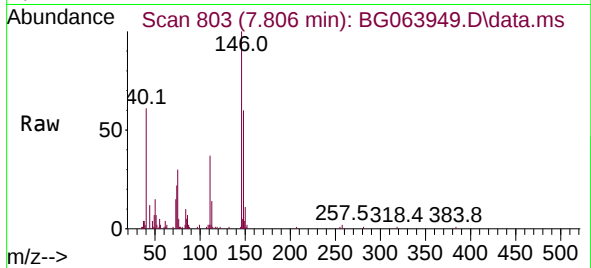




#13  
1,4-Dichlorobenzene  
Concen: 4.352 ng  
RT: 7.806 min Scan# 807  
Delta R.T. -0.023 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

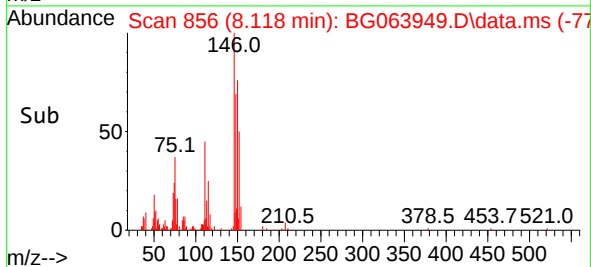
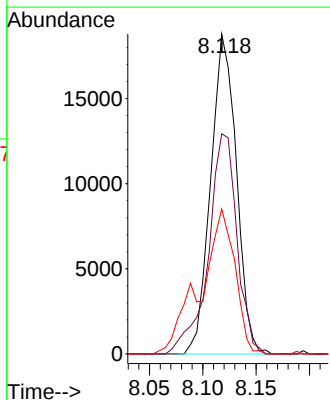
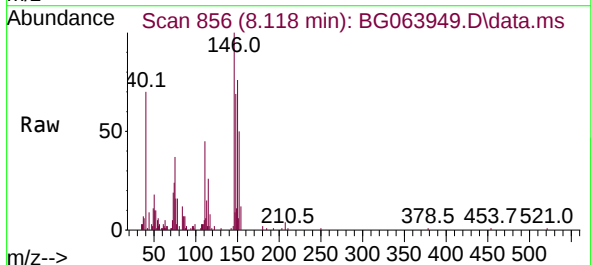
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

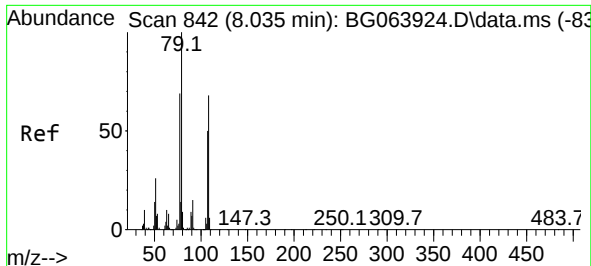
Tgt Ion:146 Resp: 33766  
Ion Ratio Lower Upper  
146 100  
148 60.4 55.4 83.0  
111 37.3 35.8 53.8



#14  
1,2-Dichlorobenzene  
Concen: 4.121 ng  
RT: 8.118 min Scan# 856  
Delta R.T. -0.029 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

Tgt Ion:146 Resp: 31465  
Ion Ratio Lower Upper  
146 100  
148 68.8 50.7 76.1  
111 45.3 36.1 54.1

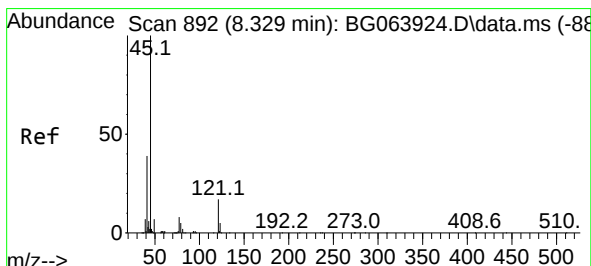
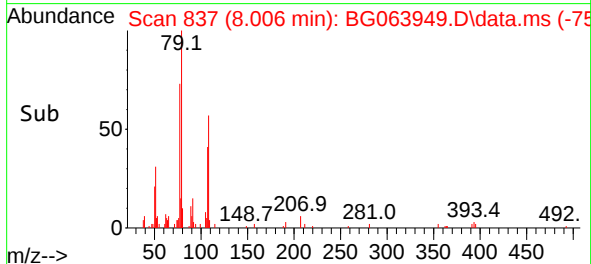
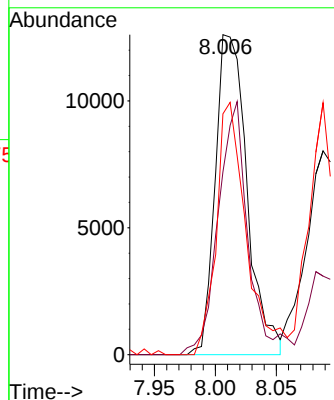
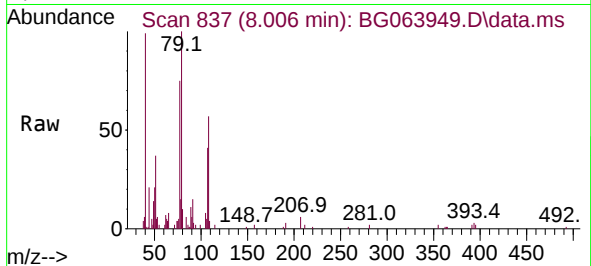




#15  
Benzyl Alcohol  
Concen: 3.330 ng  
RT: 8.006 min Scan# 81  
Delta R.T. -0.029 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

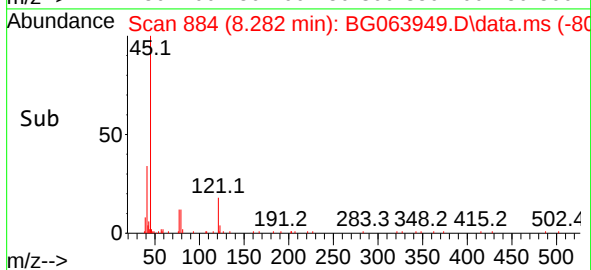
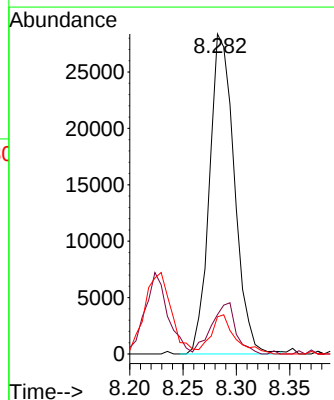
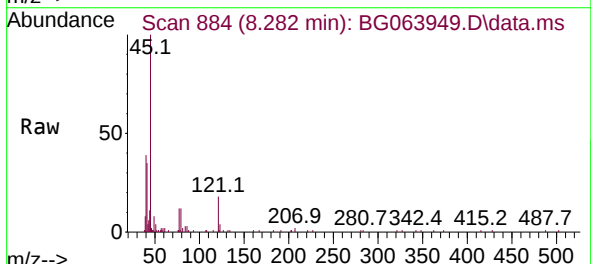
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

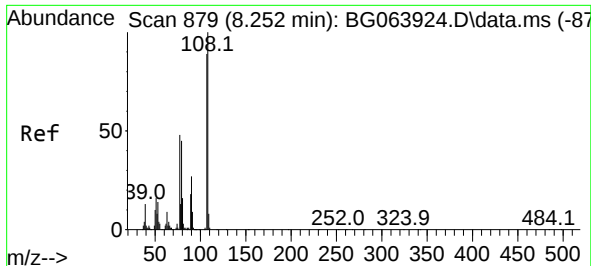
Tgt Ion: 79 Resp: 22897  
Ion Ratio Lower Upper  
79 100  
108 57.1 54.6 81.8  
77 75.2 55.6 83.4



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 4.093 ng  
RT: 8.282 min Scan# 884  
Delta R.T. -0.047 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

Tgt Ion: 45 Resp: 46086  
Ion Ratio Lower Upper  
45 100  
77 12.3 0.0 34.7  
79 11.6 0.0 32.1





#17

2-Methylphenol

Concen: 3.554 ng

RT: 8.223 min Scan# 81

Delta R.T. -0.029 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:107 Resp: 23020

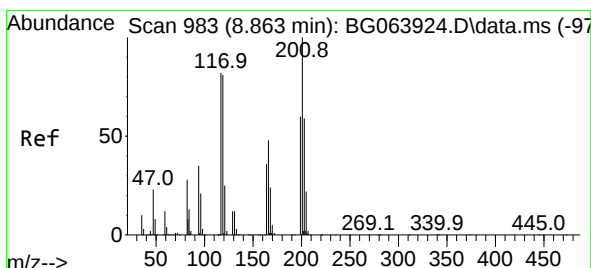
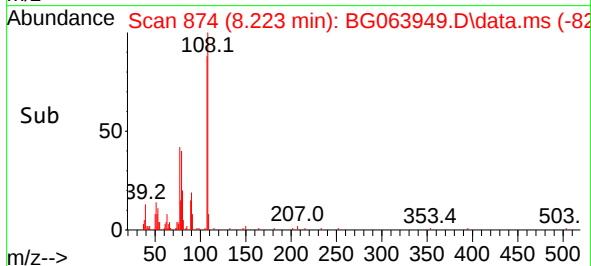
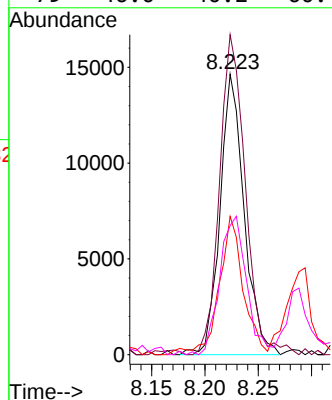
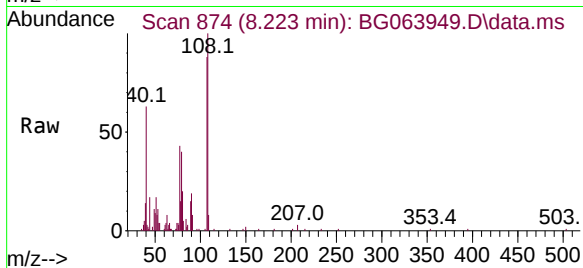
Ion Ratio Lower Upper

107 100

108 114.1 89.5 134.3

77 49.3 43.4 65.2

79 46.0 40.2 60.4



#18

Hexachloroethane

Concen: 3.654 ng

RT: 8.835 min Scan# 978

Delta R.T. -0.029 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

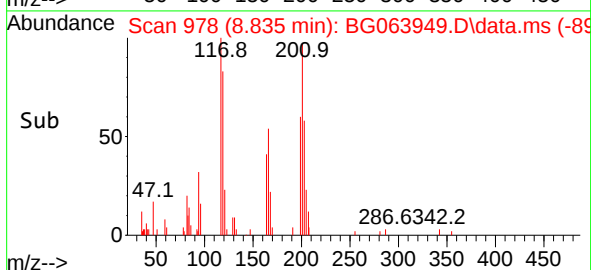
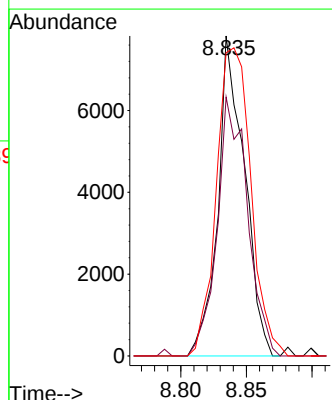
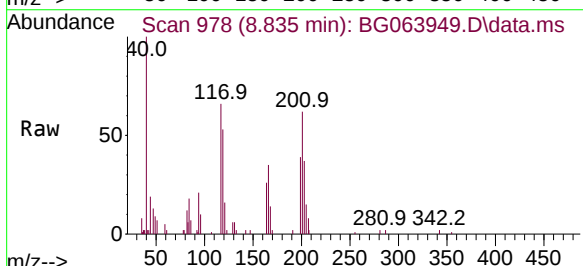
Tgt Ion:117 Resp: 10995

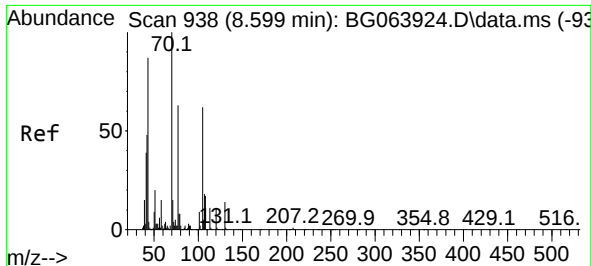
Ion Ratio Lower Upper

117 100

119 80.9 79.7 119.5

201 94.7 97.8 146.8#

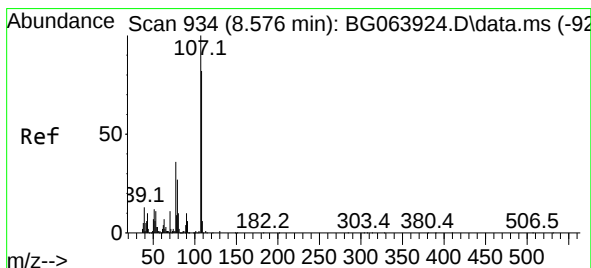
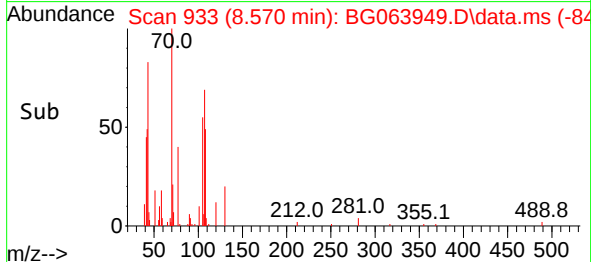
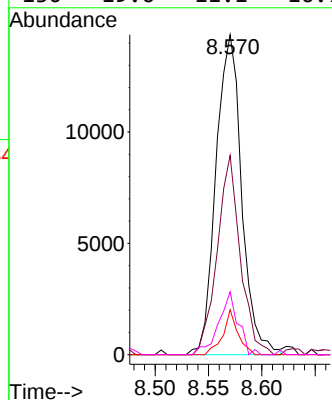
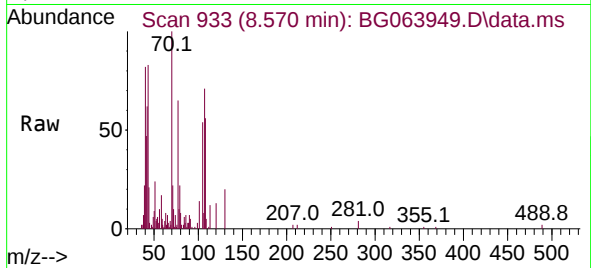




#19  
n-Nitroso-di-n-propylamine  
Concen: 3.432 ng  
RT: 8.570 min Scan# 91  
Delta R.T. -0.029 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

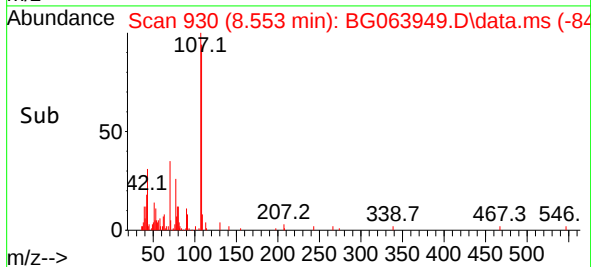
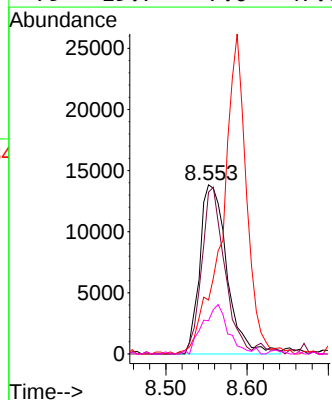
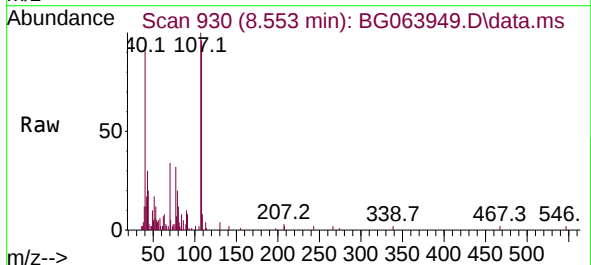
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

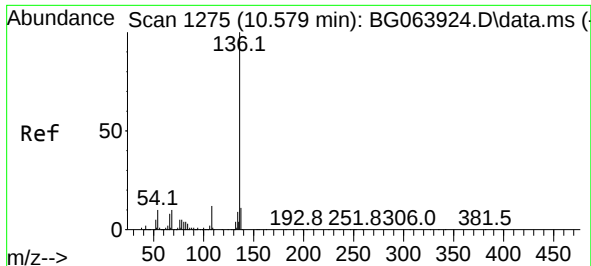
Tgt Ion: 70 Resp: 24020  
Ion Ratio Lower Upper  
70 100  
42 62.2 39.0 58.4#  
101 14.1 7.0 10.4#  
130 19.6 11.1 16.7#



#20  
3+4-Methylphenols  
Concen: 3.682 ng  
RT: 8.553 min Scan# 930  
Delta R.T. -0.023 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

Tgt Ion: 107 Resp: 32075  
Ion Ratio Lower Upper  
107 100  
108 95.6 62.4 102.4  
77 31.9 16.3 56.3  
79 19.7 7.0 47.0

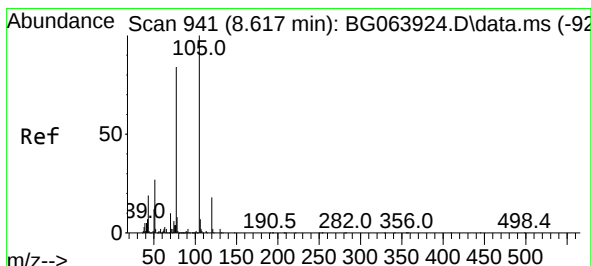
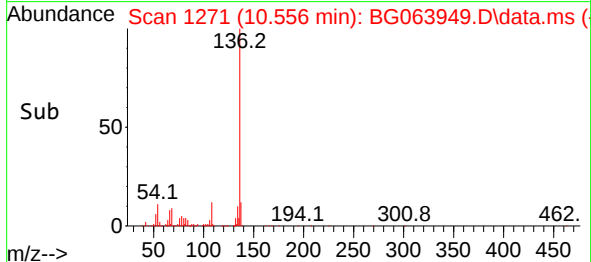
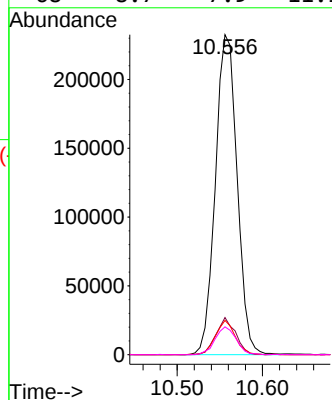
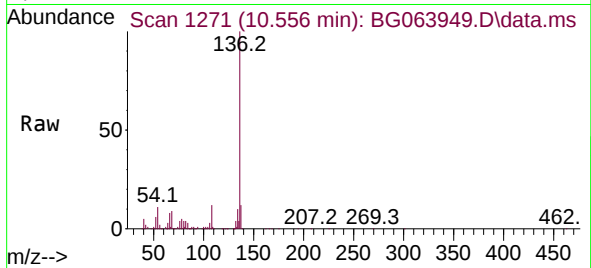




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.556 min Scan# 11  
Delta R.T. -0.023 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

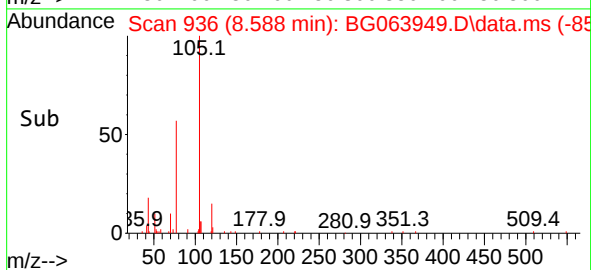
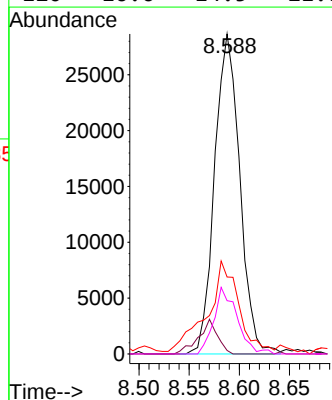
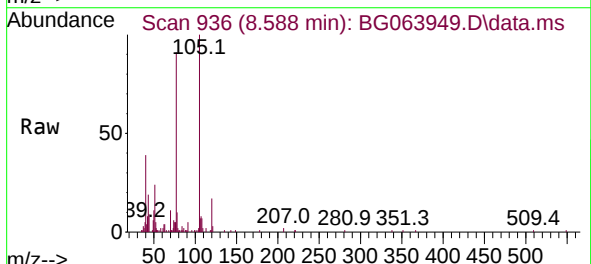
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

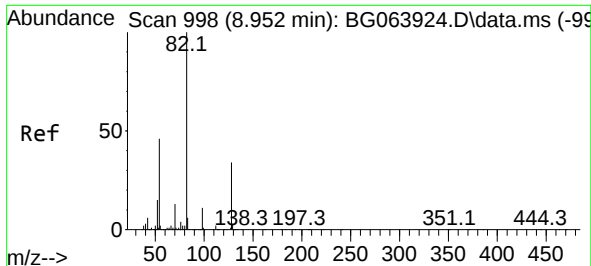
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 412031 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.6  | 9.0   | 13.6   |
| 54       | 10.7  | 8.0   | 12.0   |
| 68       | 8.7   | 7.9   | 11.9   |



#22  
Acetophenone  
Concen: 4.037 ng  
RT: 8.588 min Scan# 936  
Delta R.T. -0.029 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 49953 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 71       | 1.1   | 1.5   | 2.3#  |
| 51       | 24.1  | 21.8  | 32.8  |
| 120      | 16.6  | 14.5  | 21.7  |

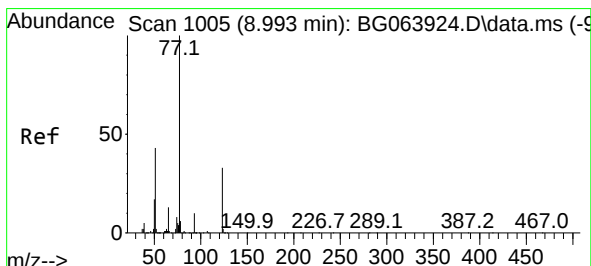
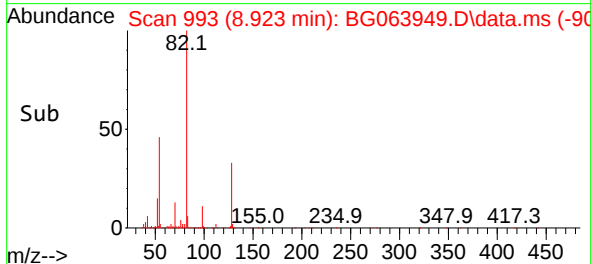
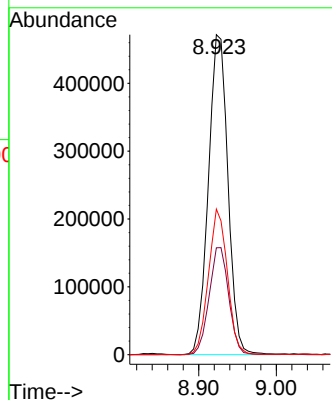
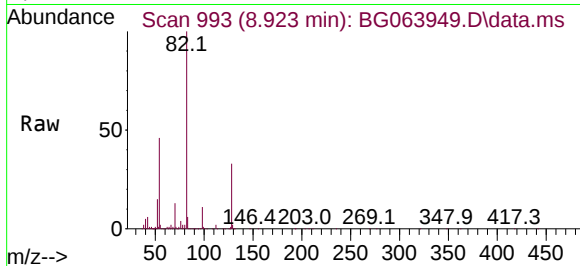




#23  
Nitrobenzene-d5  
Concen: 78.981 ng  
RT: 8.923 min Scan# 998  
Delta R.T. -0.029 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

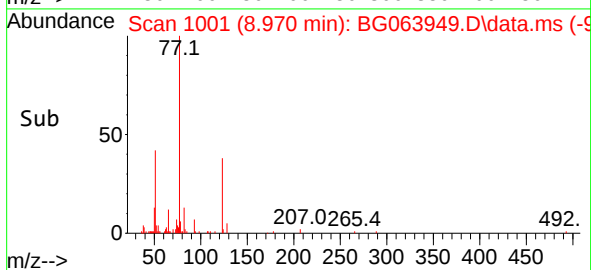
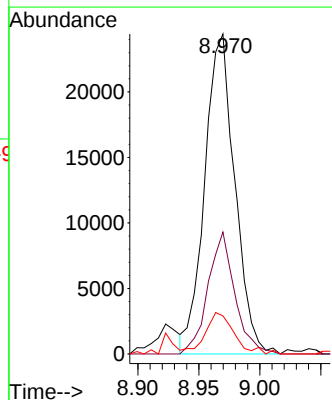
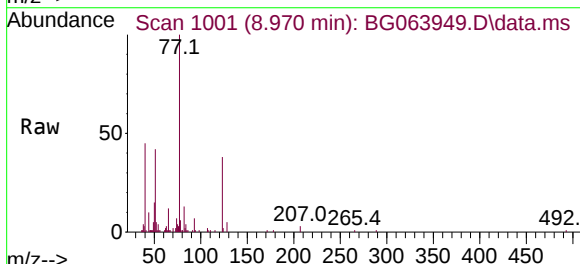
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

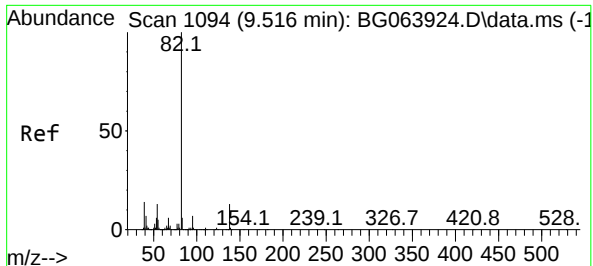
Tgt Ion: 82 Resp: 826142  
Ion Ratio Lower Upper  
82 100  
128 33.4 26.9 40.3  
54 45.5 36.7 55.1



#24  
Nitrobenzene  
Concen: 3.737 ng  
RT: 8.970 min Scan# 1001  
Delta R.T. -0.023 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

Tgt Ion: 77 Resp: 41968  
Ion Ratio Lower Upper  
77 100  
123 38.1 26.5 39.7  
65 11.9 10.2 15.4

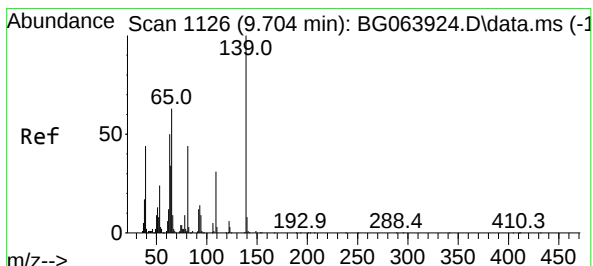
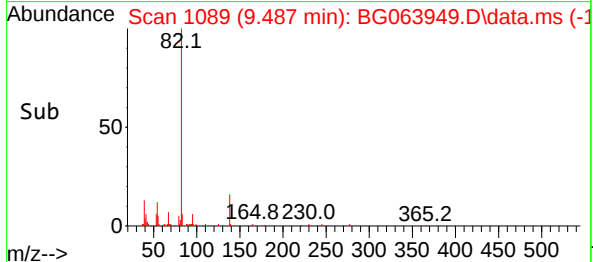
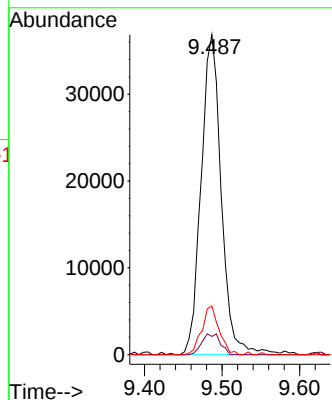
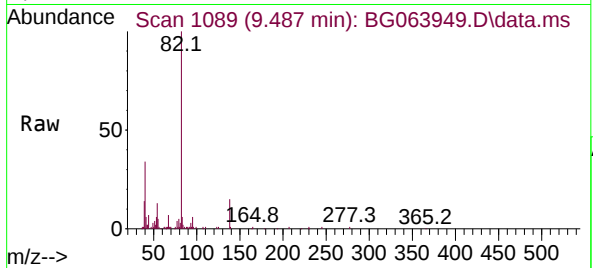




#25  
Isophorone  
Concen: 3.609 ng  
RT: 9.487 min Scan# 1089  
Delta R.T. -0.029 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

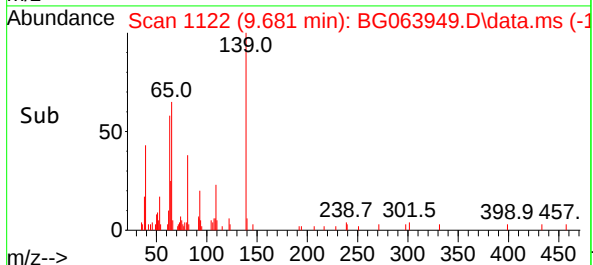
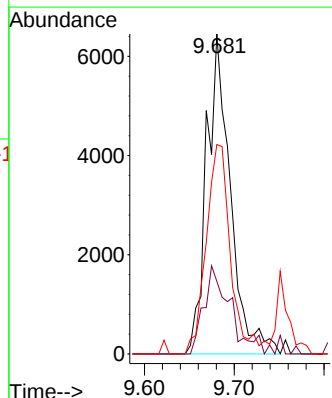
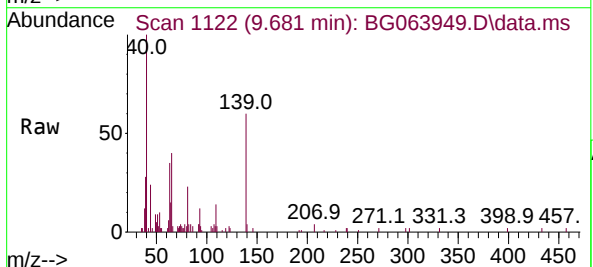
Instrument : BNA\_G  
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024

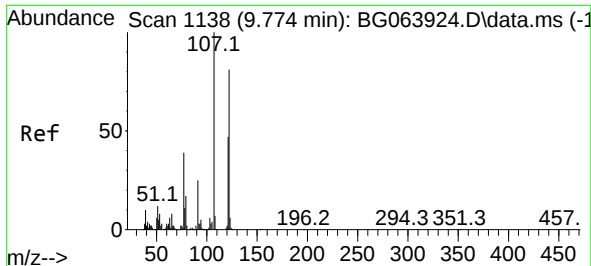
|             |             |
|-------------|-------------|
| Tgt Ion: 82 | Resp: 66526 |
| Ion Ratio   | Lower Upper |
| 82 100      |             |
| 95 5.7      | 5.2 7.8     |
| 138 15.2    | 10.6 16.0   |



#26  
2-Nitrophenol  
Concen: 3.343 ng  
RT: 9.681 min Scan# 1122  
Delta R.T. -0.023 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

|              |             |
|--------------|-------------|
| Tgt Ion: 139 | Resp: 11915 |
| Ion Ratio    | Lower Upper |
| 139 100      |             |
| 109 22.7     | 25.0 37.4   |
| 65 65.5      | 51.1 76.7   |





#27

2,4-Dimethylphenol

Concen: 2.527 ng

RT: 9.751 min Scan# 1134

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

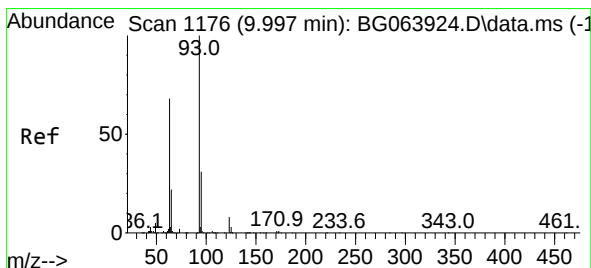
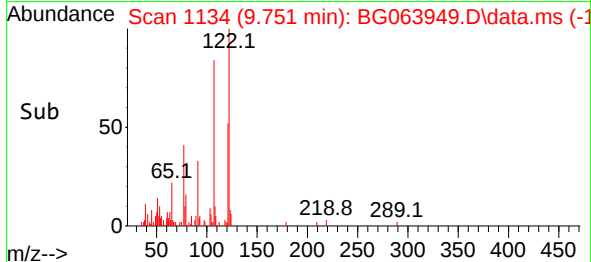
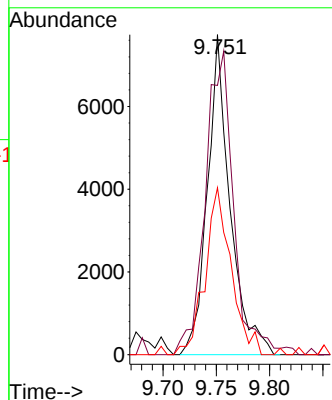
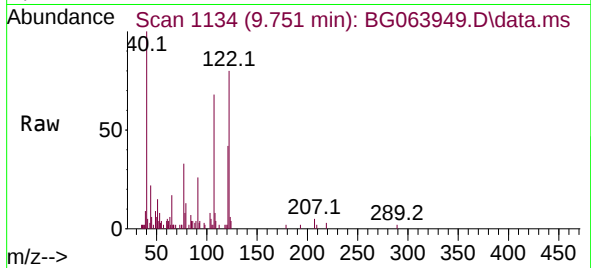
Tgt Ion:122 Resp: 11484

Ion Ratio Lower Upper

122 100

107 84.2 99.0 148.4#

121 52.1 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 3.545 ng

RT: 9.974 min Scan# 1172

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

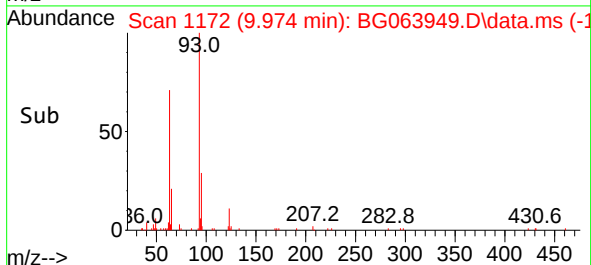
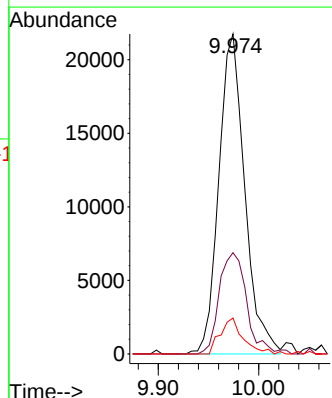
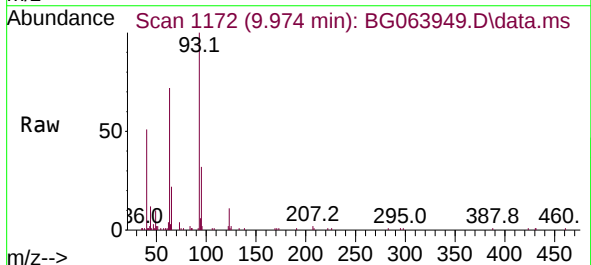
Tgt Ion: 93 Resp: 38972

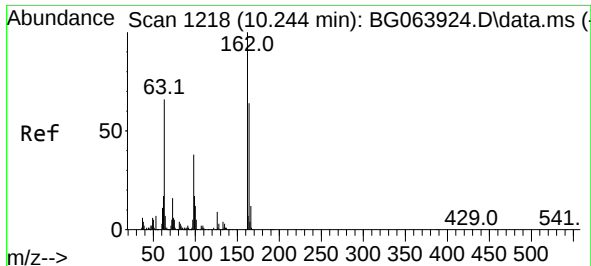
Ion Ratio Lower Upper

93 100

95 31.7 25.0 37.6

123 11.2 6.9 10.3#





#29

2,4-Dichlorophenol

Concen: 3.398 ng

RT: 10.233 min Scan# 1

Delta R.T. -0.011 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

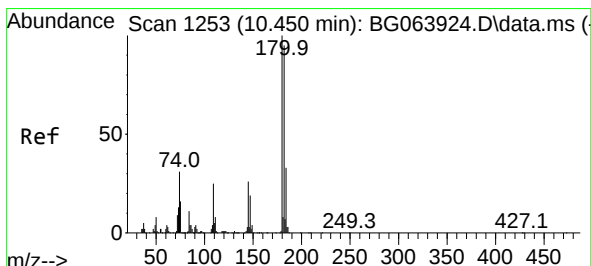
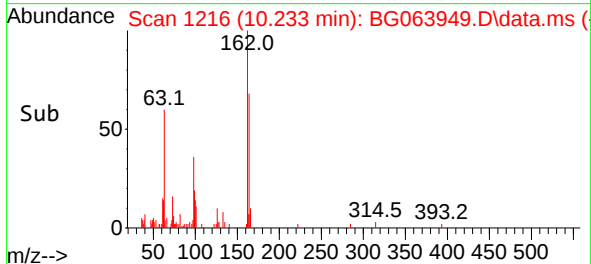
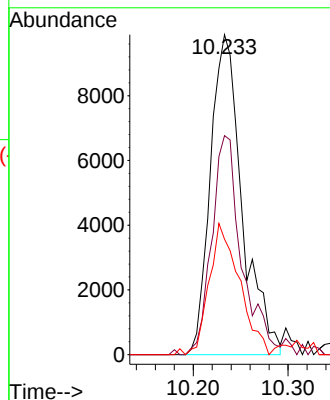
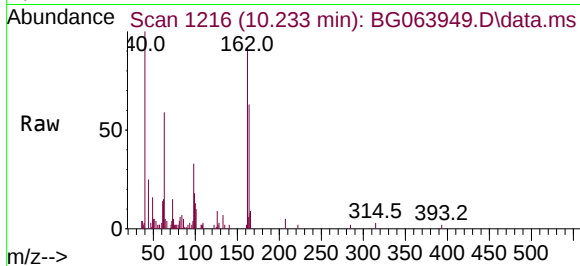
Tgt Ion:162 Resp: 23072

Ion Ratio Lower Upper

162 100

164 68.4 44.4 84.4

98 36.1 17.7 57.7



#30

1,2,4-Trichlorobenzene

Concen: 3.919 ng

RT: 10.421 min Scan# 1248

Delta R.T. -0.029 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

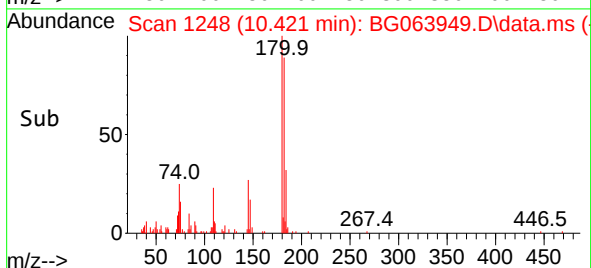
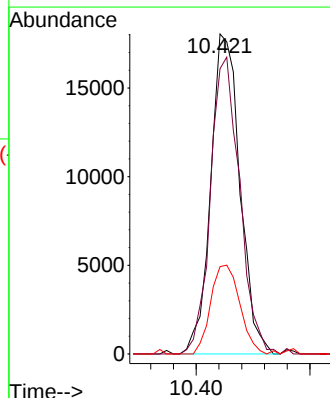
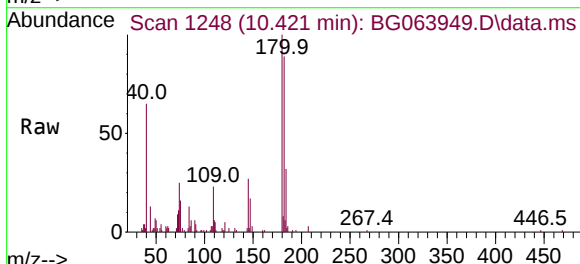
Tgt Ion:180 Resp: 32185

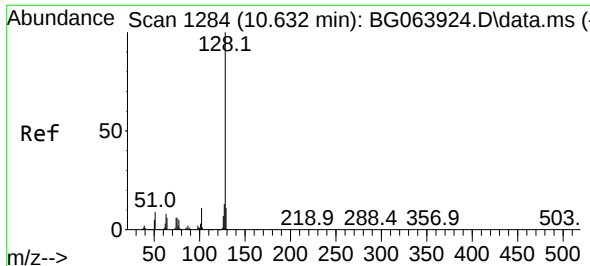
Ion Ratio Lower Upper

180 100

182 89.2 75.8 113.6

145 27.3 20.8 31.2

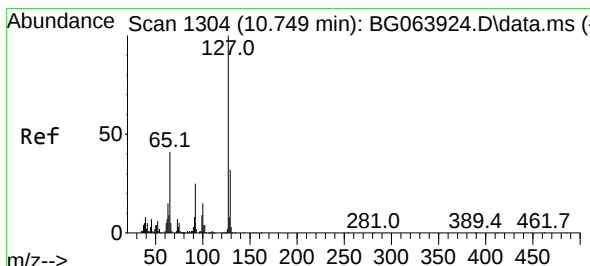
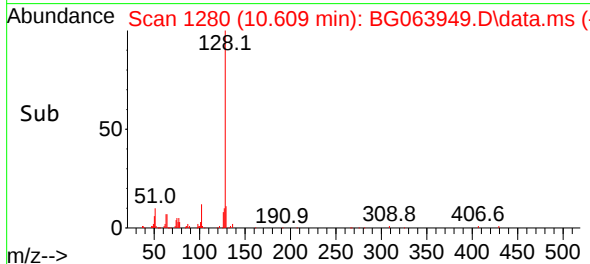
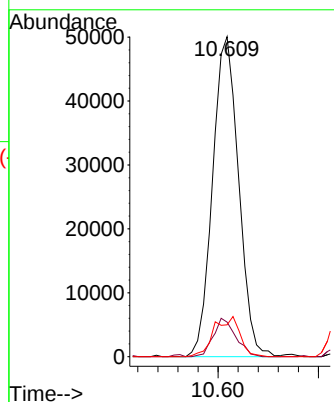
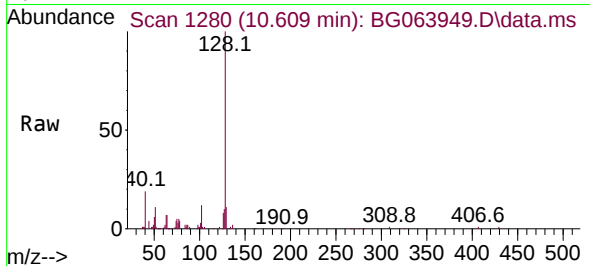




#31  
Naphthalene  
Concen: 4.038 ng  
RT: 10.609 min Scan# 11  
Delta R.T. -0.023 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

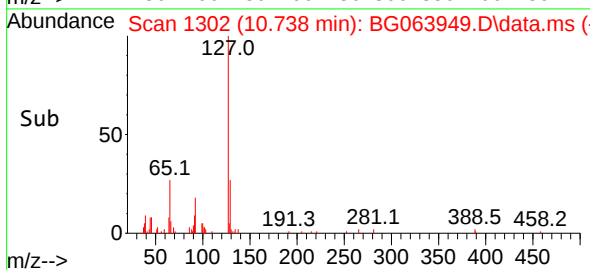
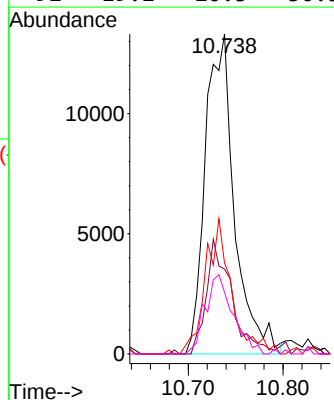
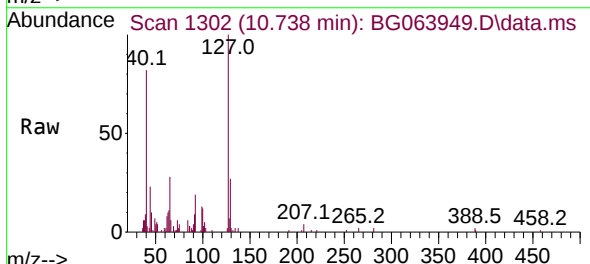
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

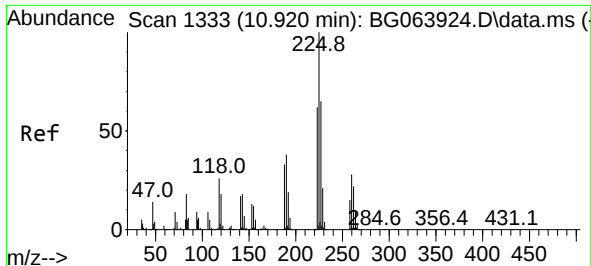
Tgt Ion:128 Resp: 90203  
Ion Ratio Lower Upper  
128 100  
129 10.8 9.0 13.6  
127 10.0 10.2 15.4#



#33  
4-Chloroaniline  
Concen: 3.915 ng  
RT: 10.738 min Scan# 1302  
Delta R.T. -0.011 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

Tgt Ion:127 Resp: 28388  
Ion Ratio Lower Upper  
127 100  
129 26.6 25.4 38.0  
65 28.5 32.6 48.8#  
92 19.2 20.3 30.5#

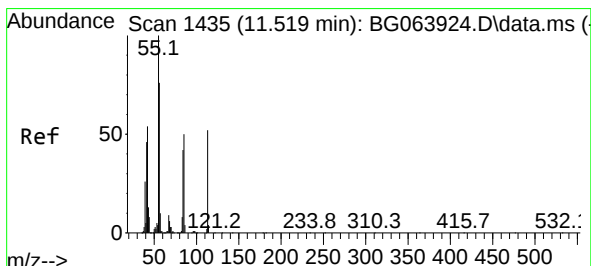
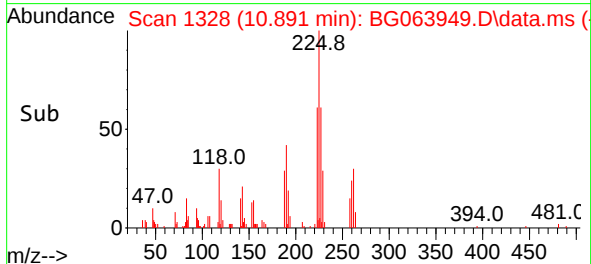
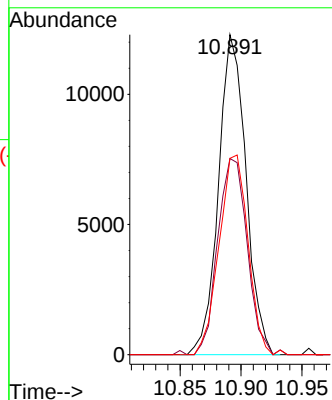
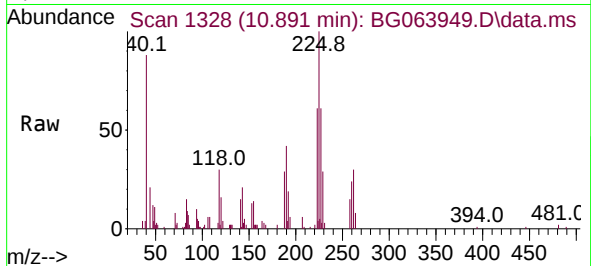




#34  
Hexachlorobutadiene  
Concen: 3.426 ng  
RT: 10.891 min Scan# 11  
Delta R.T. -0.029 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

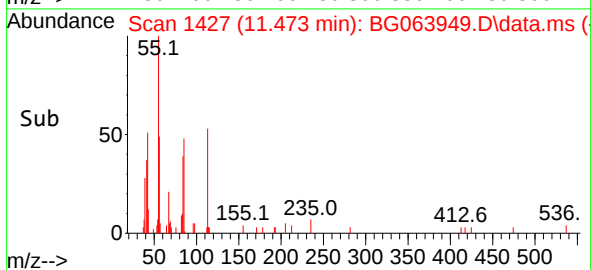
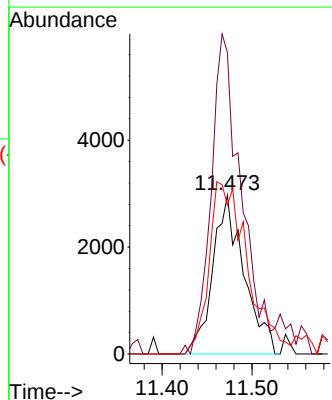
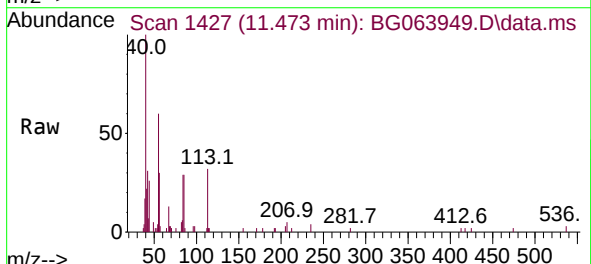
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

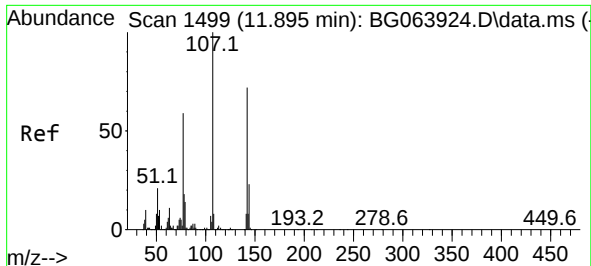
Tgt Ion:225 Resp: 19289  
Ion Ratio Lower Upper  
225 100  
223 58.2 49.5 74.3  
227 61.0 51.6 77.4



#35  
Caprolactam  
Concen: 3.201 ng  
RT: 11.473 min Scan# 1427  
Delta R.T. -0.047 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

Tgt Ion:113 Resp: 7176  
Ion Ratio Lower Upper  
113 100  
55 189.7 173.7 213.7  
56 93.6 127.5 167.5#

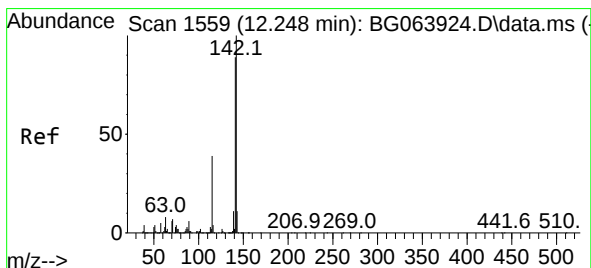
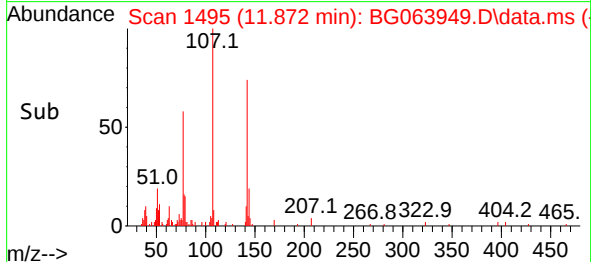
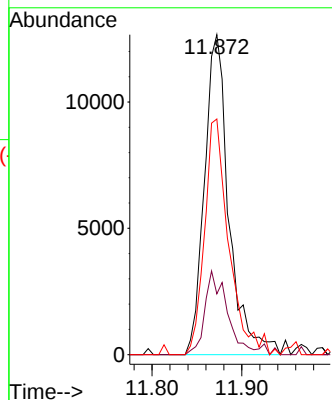
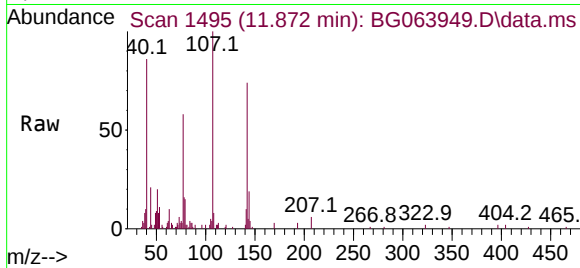




#36  
4-Chloro-3-methylphenol  
Concen: 3.173 ng  
RT: 11.872 min Scan# 1495  
Delta R.T. -0.023 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

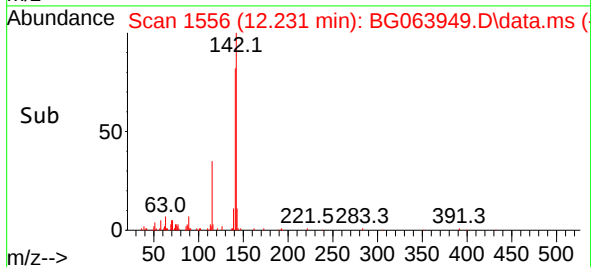
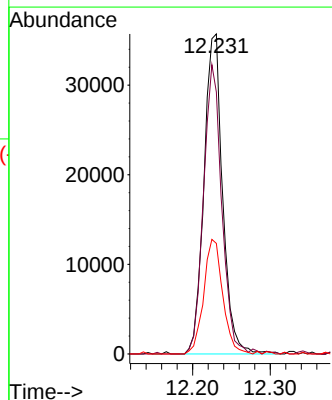
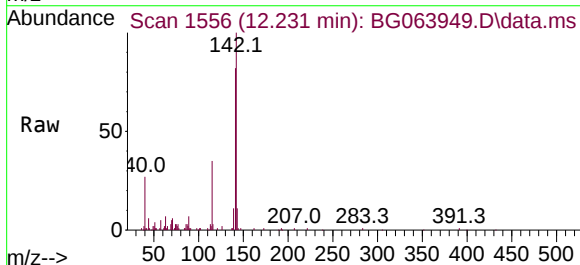
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

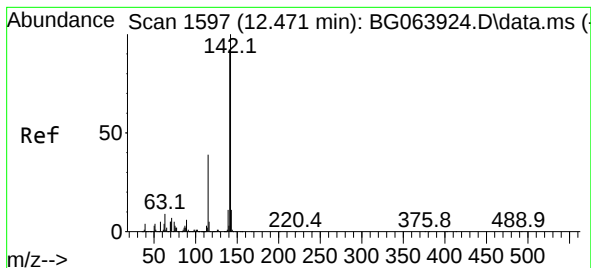
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 107   | Resp: | 23915 |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 144       | 19.0  | 18.7  | 28.1  |
| 142       | 73.6  | 57.5  | 86.3  |



#37  
2-Methylnaphthalene  
Concen: 3.811 ng  
RT: 12.231 min Scan# 1556  
Delta R.T. -0.017 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 59815 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 81.9  | 70.8  | 106.2 |
| 115       | 34.5  | 31.2  | 46.8  |





#38

1-Methylnaphthalene

Concen: 3.589 ng

RT: 12.442 min Scan# 1

Delta R.T. -0.029 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

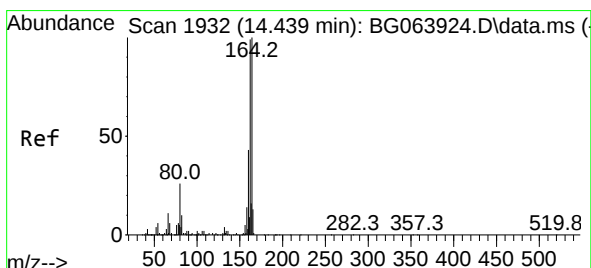
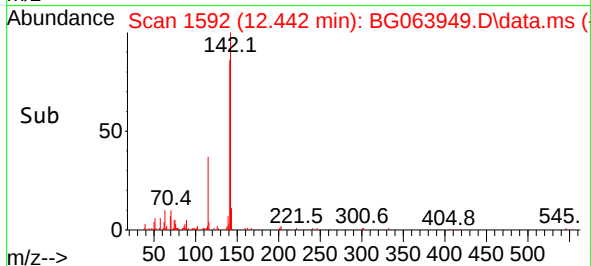
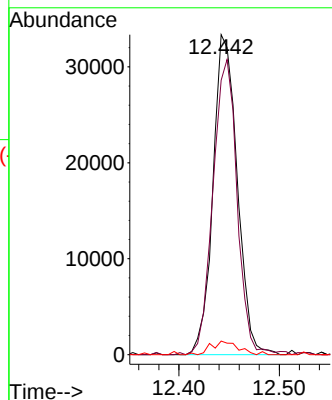
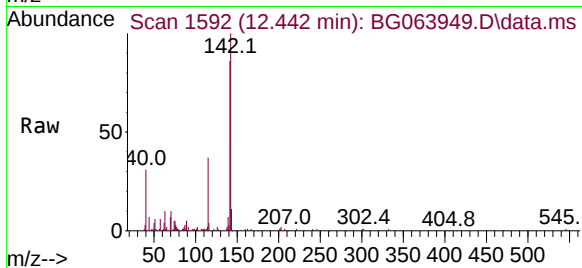
Tgt Ion:142 Resp: 56030

Ion Ratio Lower Upper

142 100

141 85.8 73.4 110.2

116 4.3 3.7 5.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.416 min Scan# 1928

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

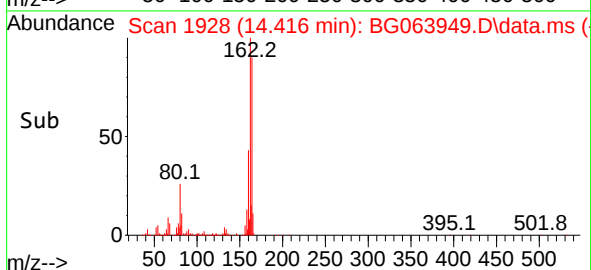
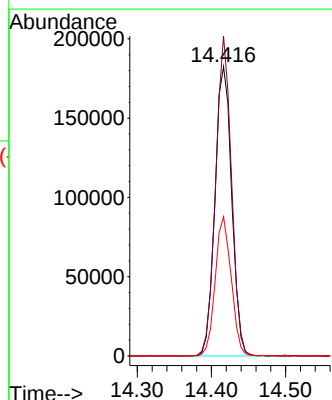
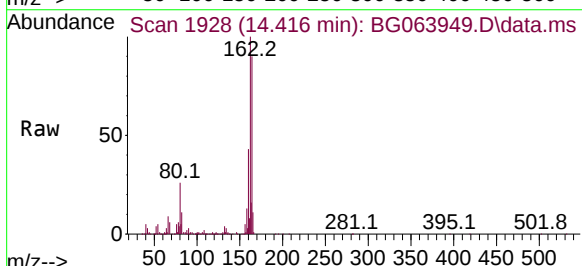
Tgt Ion:164 Resp: 285267

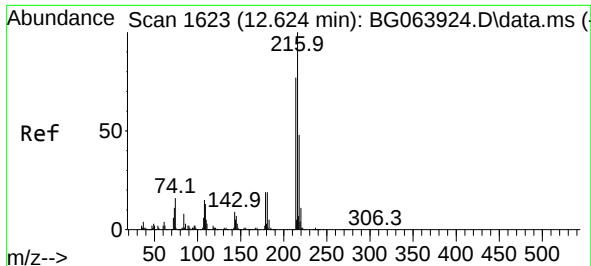
Ion Ratio Lower Upper

164 100

162 110.6 79.1 118.7

160 48.1 34.6 52.0

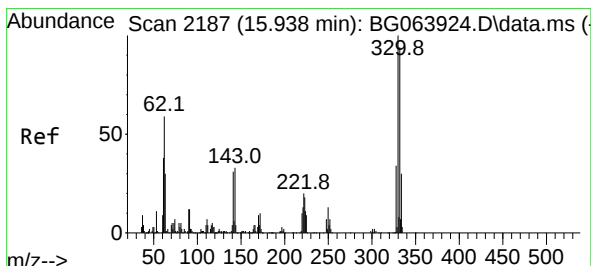
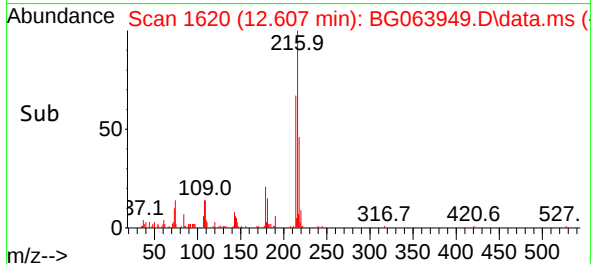
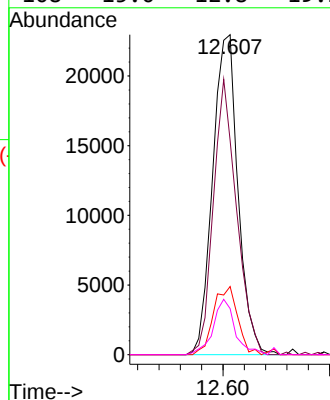
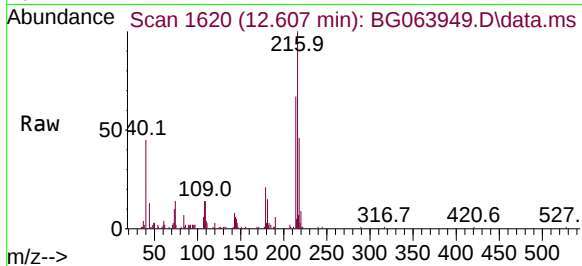




#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 3.959 ng  
RT: 12.607 min Scan# 1  
Delta R.T. -0.017 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

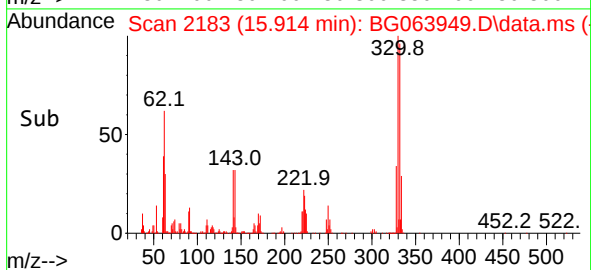
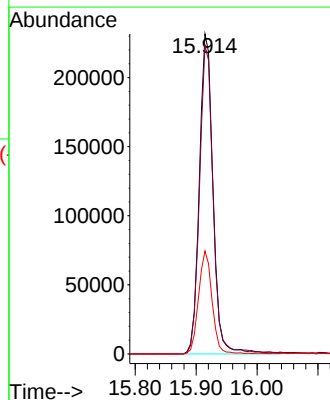
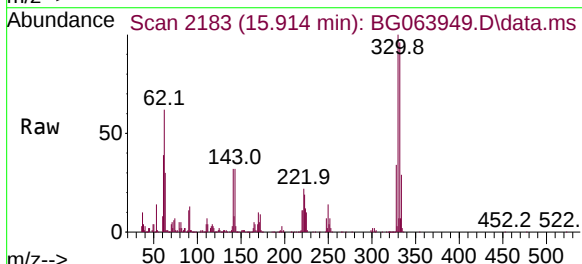
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

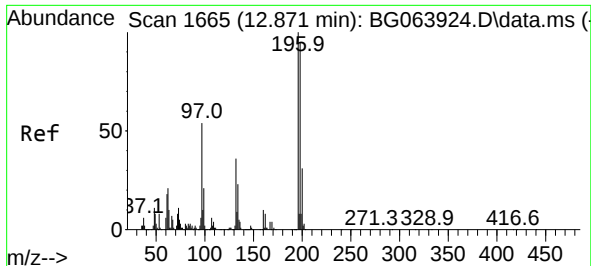
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 216   | Resp: | 37892 |
| Ion      | Ratio | Lower | Upper |
| 216      | 100   |       |       |
| 214      | 78.6  | 61.8  | 92.8  |
| 179      | 20.3  | 15.5  | 23.3  |
| 108      | 15.0  | 12.8  | 19.2  |



#42  
2,4,6-Tribromophenol  
Concen: 105.124 ng  
RT: 15.914 min Scan# 2183  
Delta R.T. -0.023 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 330   | Resp: | 361619 |
| Ion      | Ratio | Lower | Upper  |
| 330      | 100   |       |        |
| 332      | 95.8  | 76.6  | 114.8  |
| 141      | 31.7  | 24.4  | 36.6   |

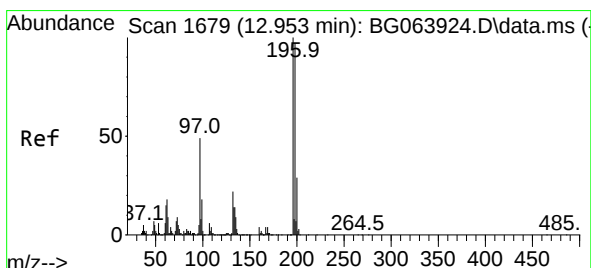
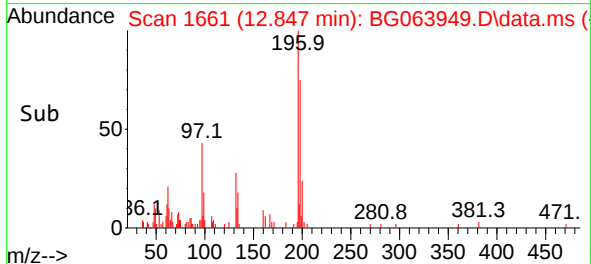
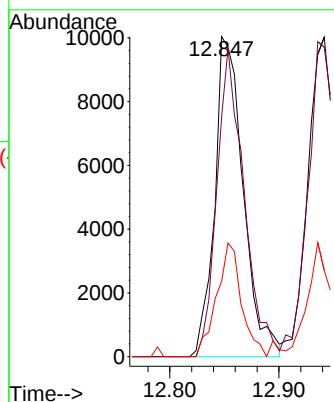
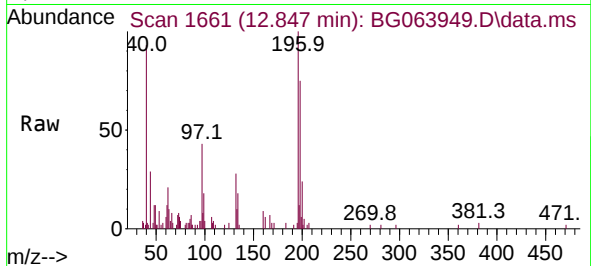




#43  
2,4,6-Trichlorophenol  
Concen: 3.253 ng m  
RT: 12.847 min Scan# 1  
Delta R.T. -0.023 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

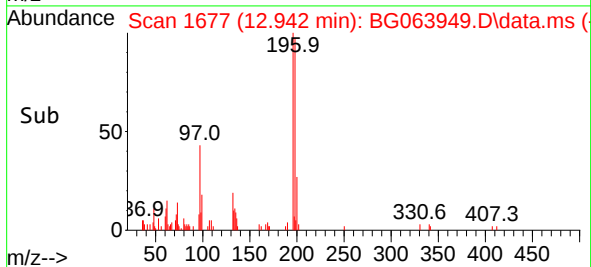
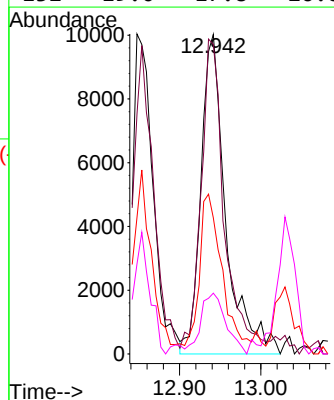
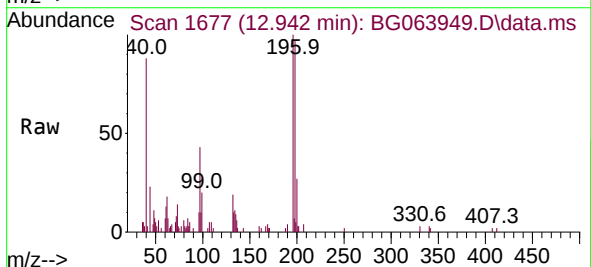
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

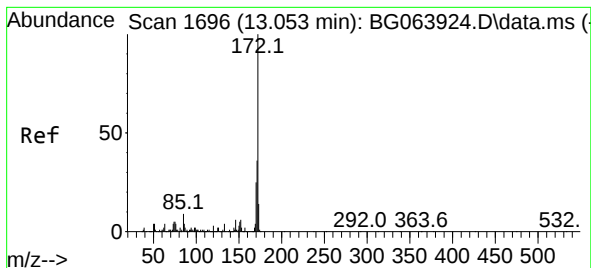
Tgt Ion:196 Resp: 18339  
Ion Ratio Lower Upper  
196 100  
198 75.0 76.3 114.5#  
200 23.6 25.0 37.4#



#44  
2,4,5-Trichlorophenol  
Concen: 3.379 ng  
RT: 12.942 min Scan# 1677  
Delta R.T. -0.011 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

Tgt Ion:196 Resp: 21375  
Ion Ratio Lower Upper  
196 100  
198 96.9 77.7 116.5  
97 42.6 39.5 59.3  
132 19.0 17.8 26.8





#45

2-Fluorobiphenyl

Concen: 81.261 ng

RT: 13.030 min Scan# 1

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

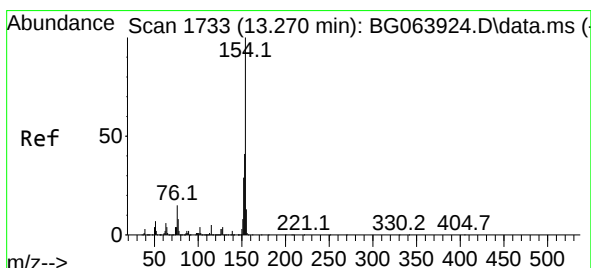
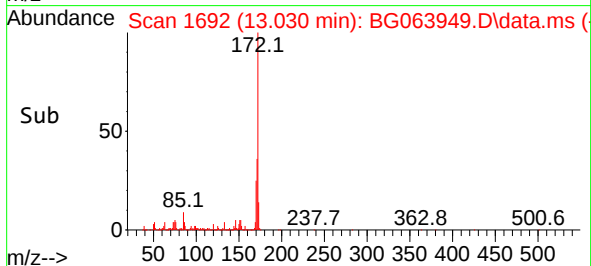
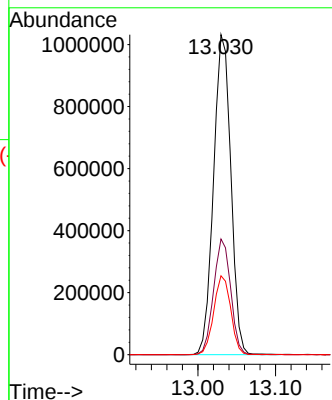
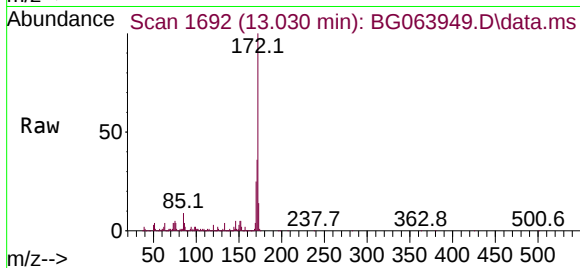
Tgt Ion:172 Resp: 1600116

Ion Ratio Lower Upper

172 100

171 36.1 29.2 43.8

170 24.6 20.1 30.1



#46

1,1'-Biphenyl

Concen: 4.231 ng

RT: 13.247 min Scan# 1729

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

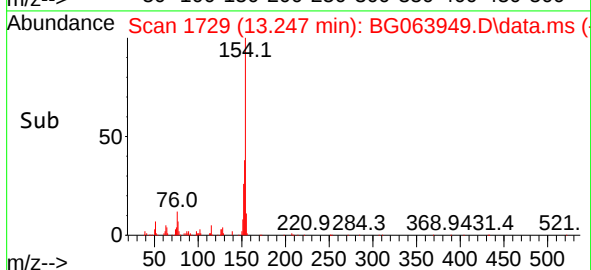
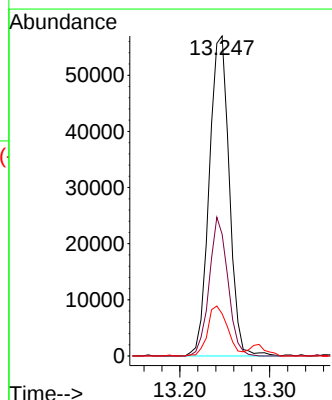
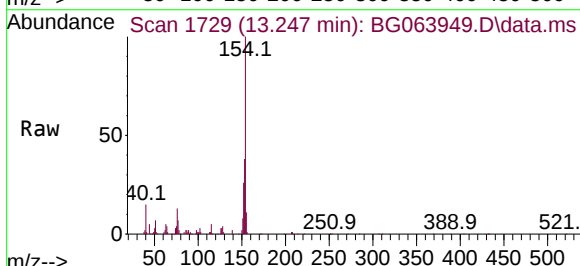
Tgt Ion:154 Resp: 88101

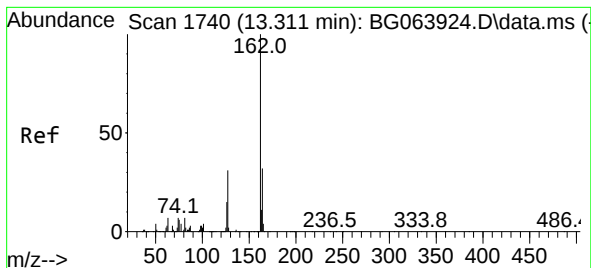
Ion Ratio Lower Upper

154 100

153 38.0 21.4 61.4

76 13.2 0.0 35.0





#47

2-Chloronaphthalene

Concen: 3.857 ng

RT: 13.288 min Scan# 1

Delta R.T. -0.023 min

Lab File: BG063949.D

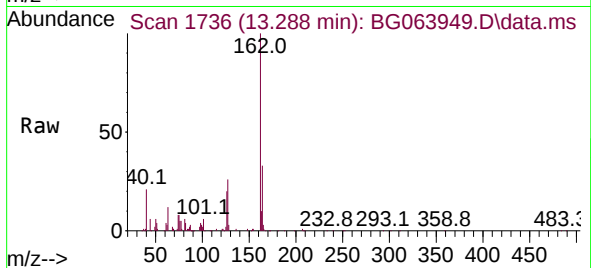
Acq: 10 Jan 2025 14:07

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024



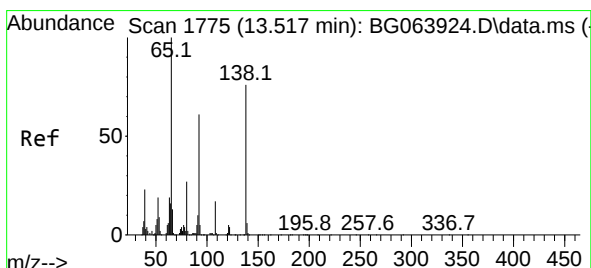
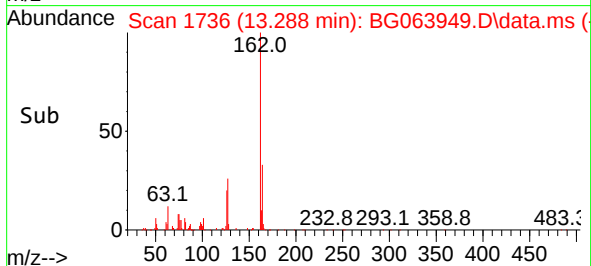
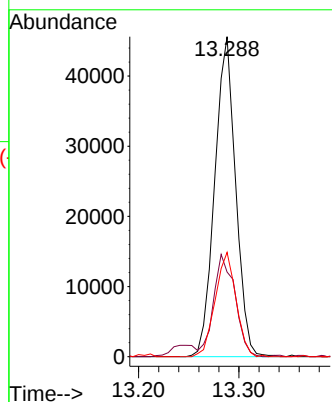
Tgt Ion:162 Resp: 66023

Ion Ratio Lower Upper

162 100

127 26.4 25.6 38.4

164 32.6 25.7 38.5



#48

2-Nitroaniline

Concen: 3.065 ng

RT: 13.500 min Scan# 1772

Delta R.T. -0.017 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

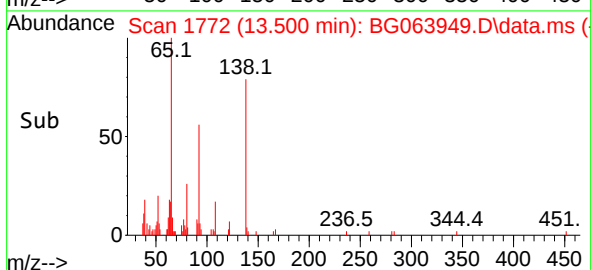
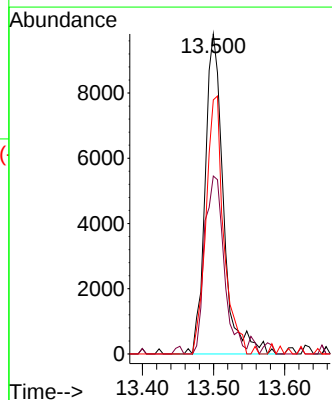
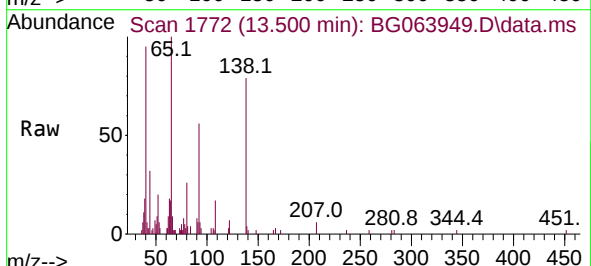
Tgt Ion: 65 Resp: 17553

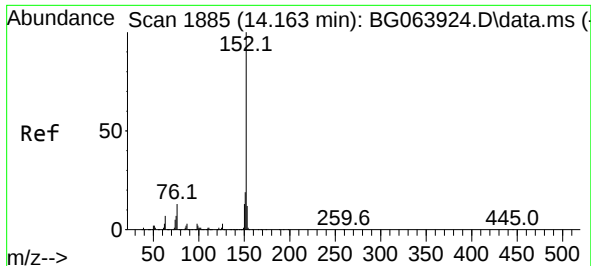
Ion Ratio Lower Upper

65 100

92 55.6 48.9 73.3

138 79.4 61.0 91.6

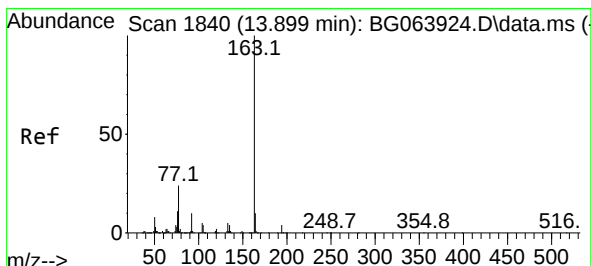
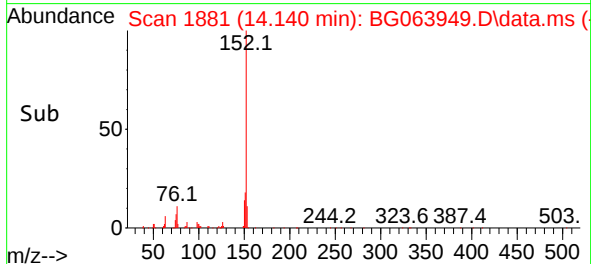
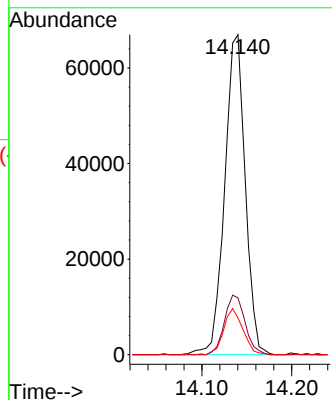
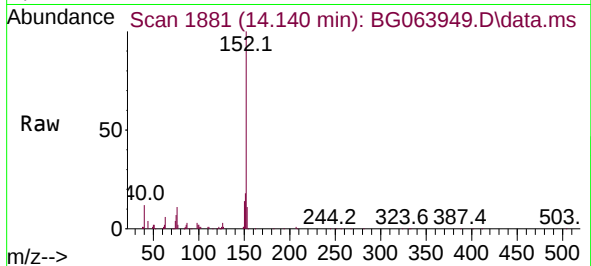




#49  
Acenaphthylene  
Concen: 4.189 ng  
RT: 14.140 min Scan# 1881  
Delta R.T. -0.023 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

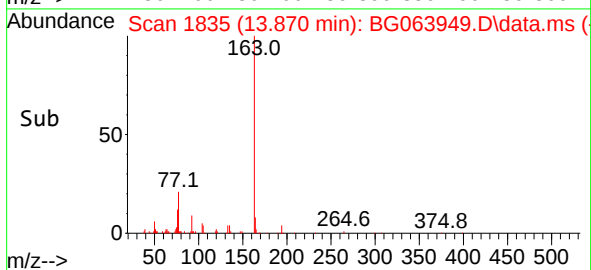
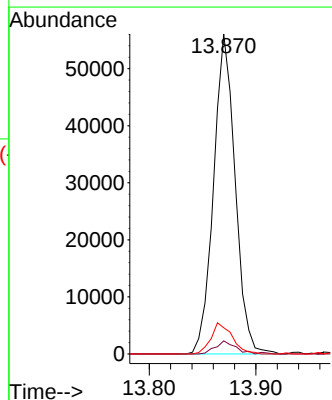
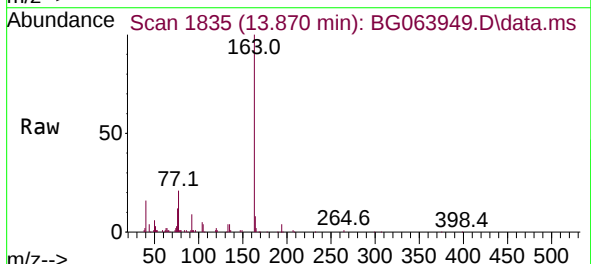
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

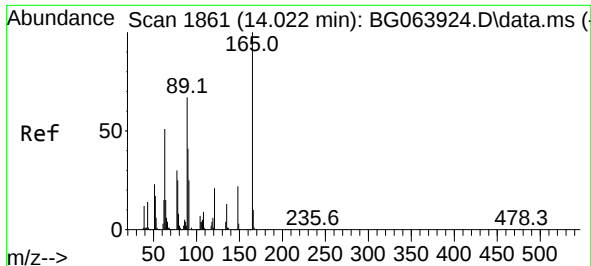
Tgt Ion:152 Resp: 106233  
Ion Ratio Lower Upper  
152 100  
151 17.7 15.5 23.3  
153 11.5 9.9 14.9



#50  
Dimethylphthalate  
Concen: 3.783 ng  
RT: 13.870 min Scan# 1835  
Delta R.T. -0.029 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

Tgt Ion:163 Resp: 78829  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.0 4.4  
164 8.2 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 3.331 ng

RT: 13.993 min Scan# 1861

Delta R.T. -0.029 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

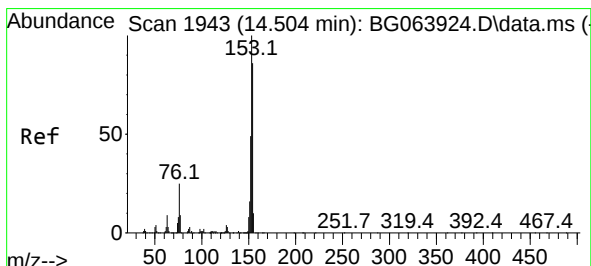
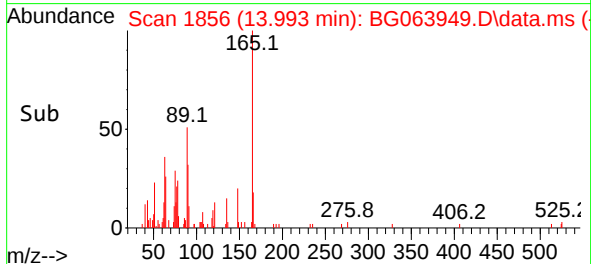
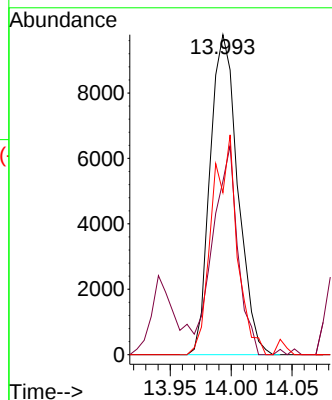
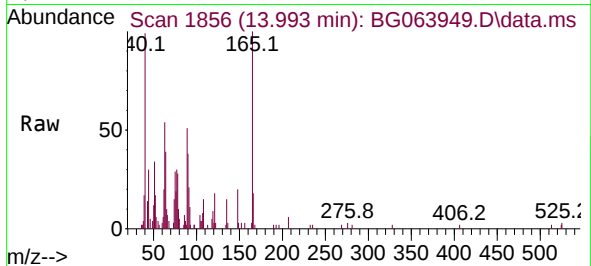
Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:165 | Resp: | 15461      |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 54.2  | 53.9 80.9  |
| 89          | 50.7  | 53.8 80.8# |



#52

Acenaphthene

Concen: 3.728 ng

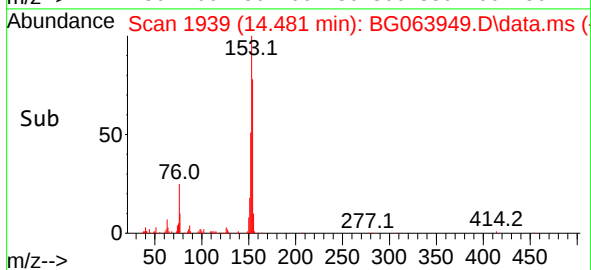
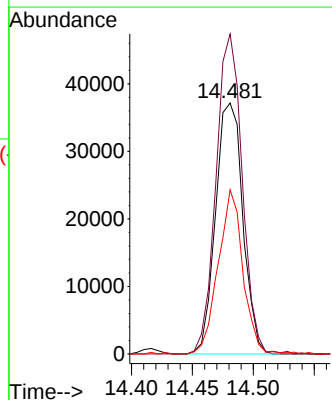
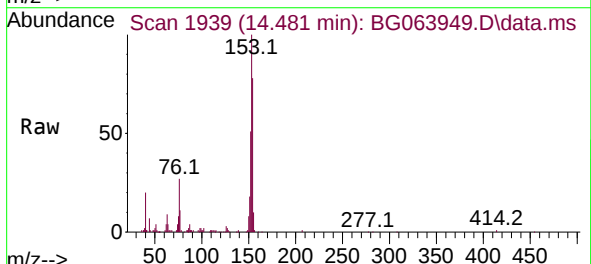
RT: 14.481 min Scan# 1939

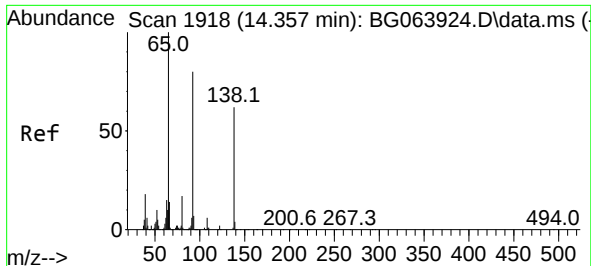
Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:154 | Resp: | 57816      |
| Ion Ratio   | Lower | Upper      |
| 154         | 100   |            |
| 153         | 127.5 | 93.4 140.0 |
| 152         | 65.4  | 46.1 69.1  |

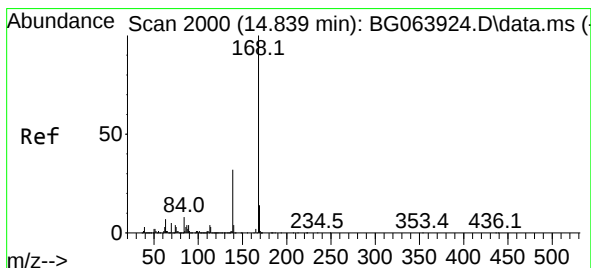
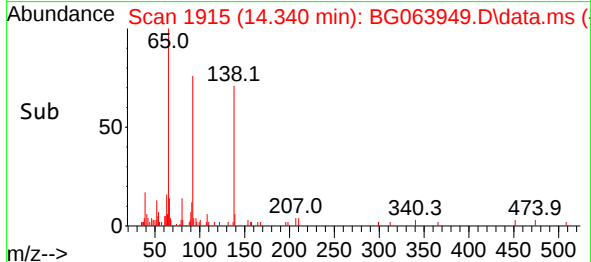
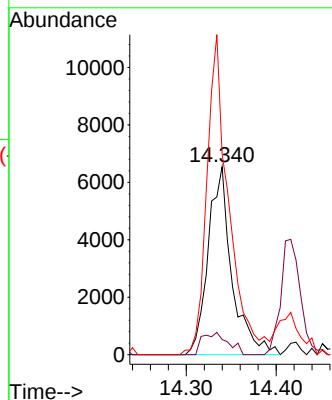
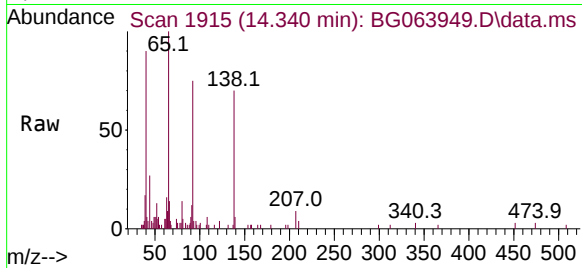




#53  
3-Nitroaniline  
Concen: 2.823 ng  
RT: 14.340 min Scan# 1918  
Delta R.T. -0.017 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

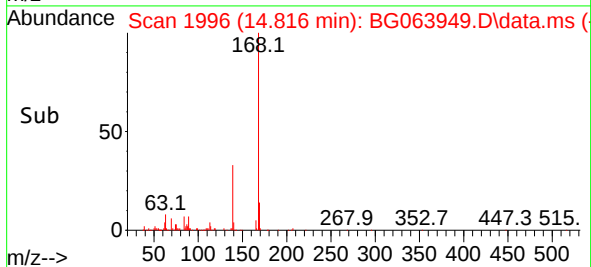
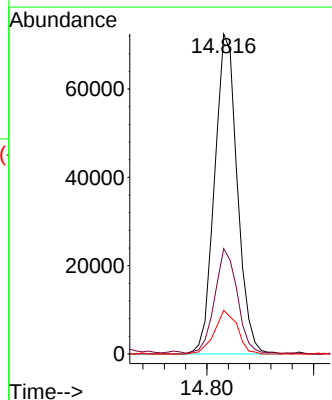
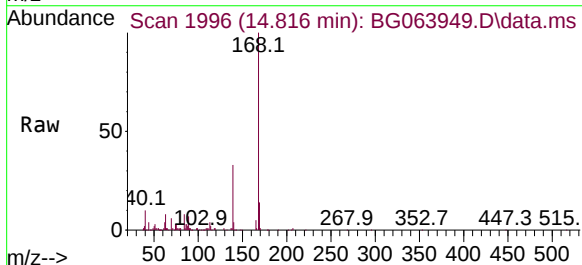
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

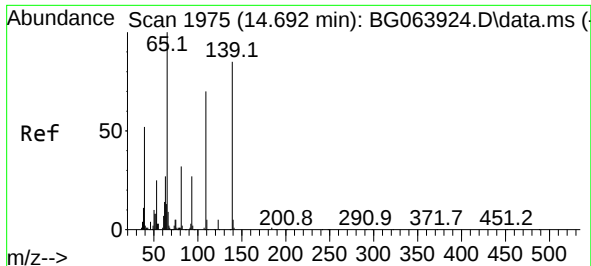
Tgt Ion:138 Resp: 12021  
Ion Ratio Lower Upper  
138 100  
108 8.1 7.8 11.8  
92 106.7 104.2 156.2



#55  
Dibenzofuran  
Concen: 3.969 ng  
RT: 14.816 min Scan# 1996  
Delta R.T. -0.023 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

Tgt Ion:168 Resp: 106839  
Ion Ratio Lower Upper  
168 100  
139 32.9 26.0 39.0  
169 13.6 10.8 16.2

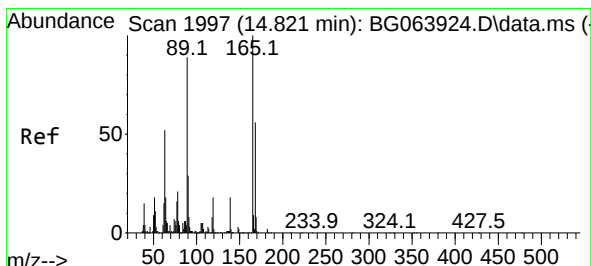
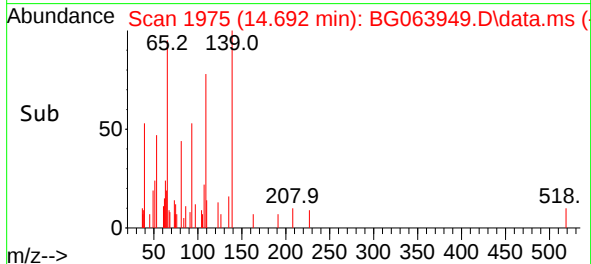
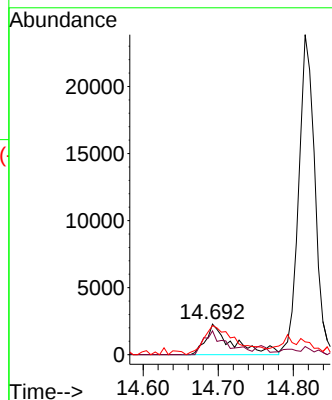
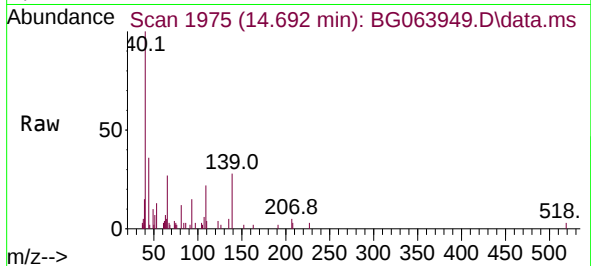




#56  
4-Nitrophenol  
Concen: 1.953 ng m  
RT: 14.692 min Scan# 1975  
Delta R.T. 0.000 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

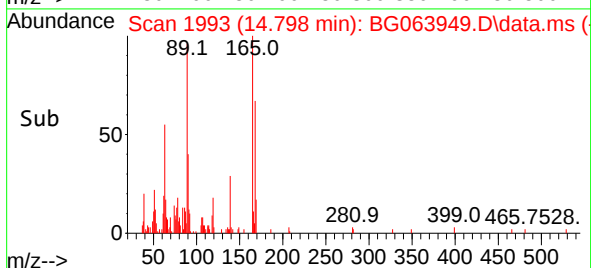
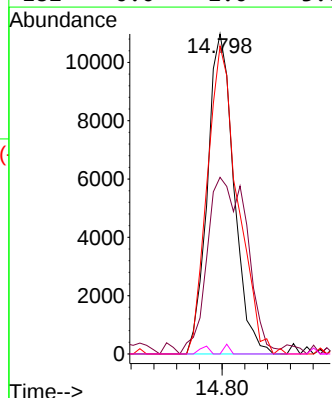
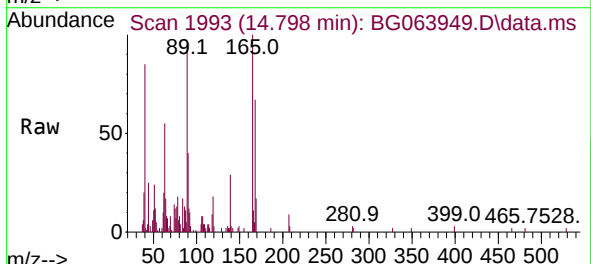
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

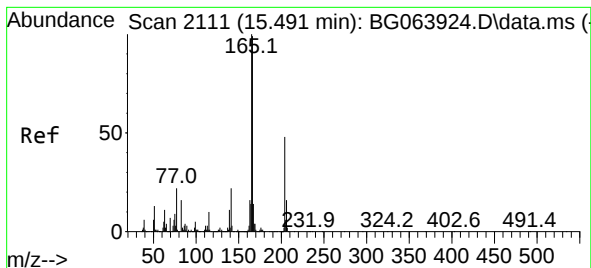
Tgt Ion:139 Resp: 5701  
Ion Ratio Lower Upper  
139 100  
109 78.3 62.8 102.8  
65 95.2 98.2 138.2#



#57  
2,4-Dinitrotoluene  
Concen: 2.724 ng  
RT: 14.798 min Scan# 1993  
Delta R.T. -0.023 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

Tgt Ion:165 Resp: 17750  
Ion Ratio Lower Upper  
165 100  
63 55.2 41.6 62.4  
89 96.2 71.0 106.6  
182 0.0 2.0 3.0#





#58

Fluorene

Concen: 4.023 ng

RT: 15.468 min Scan# 2111

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

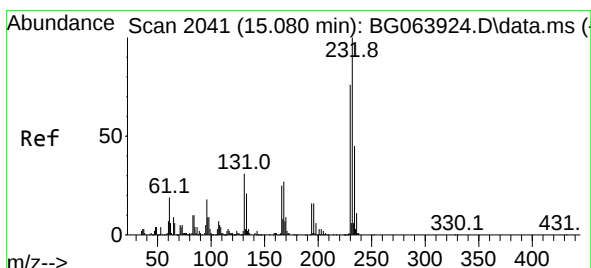
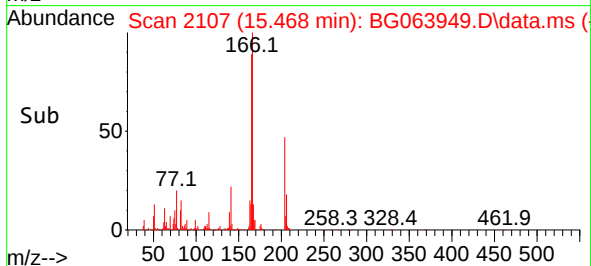
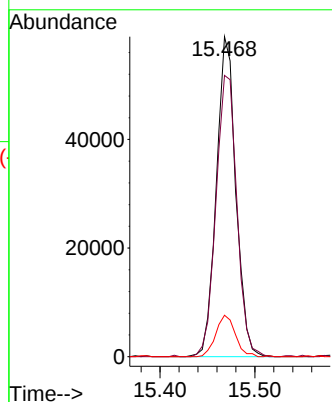
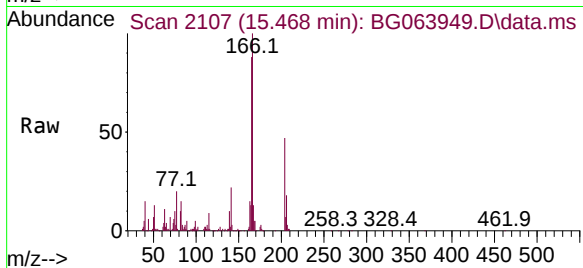
Tgt Ion:166 Resp: 84143

Ion Ratio Lower Upper

166 100

165 87.9 81.2 121.8

167 12.9 11.2 16.8



#59

2,3,4,6-Tetrachlorophenol

Concen: 3.037 ng m

RT: 15.057 min Scan# 2037

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Tgt Ion:232 Resp: 16954

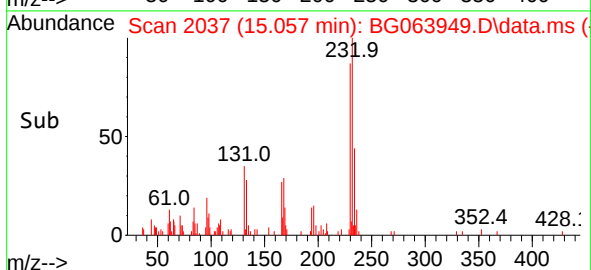
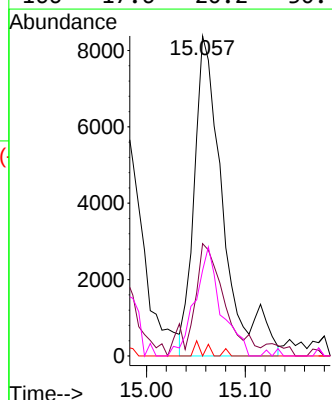
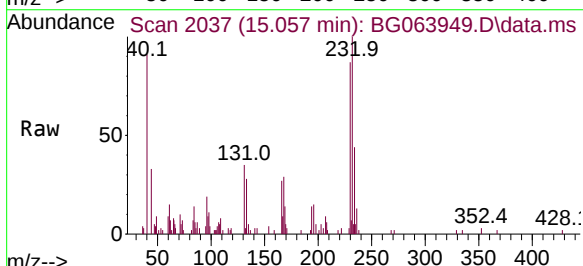
Ion Ratio Lower Upper

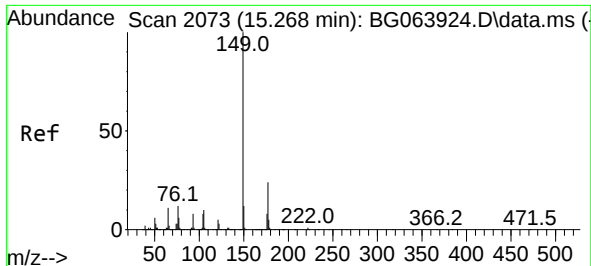
232 100

131 24.1 25.8 38.6#

130 1.4 1.5 2.3#

166 17.6 20.2 30.4#

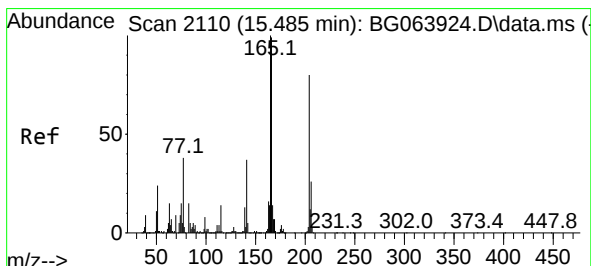
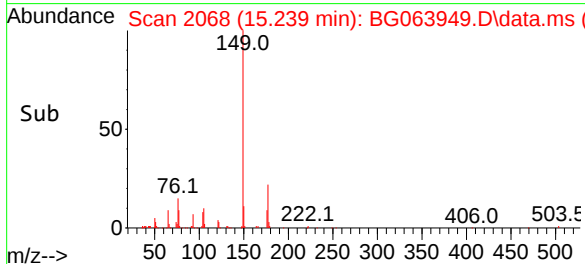
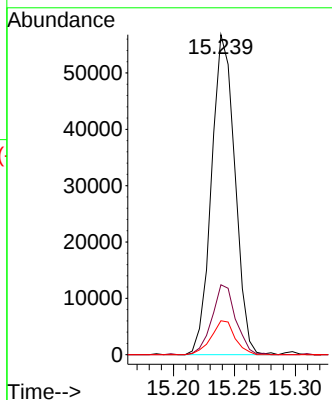
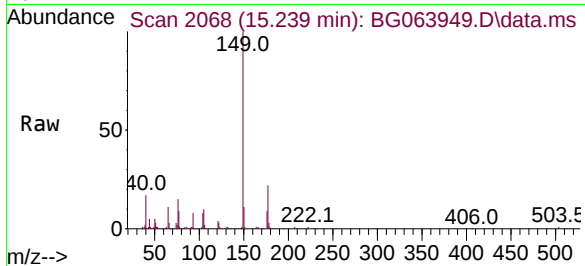




#60  
Diethylphthalate  
Concen: 3.695 ng  
RT: 15.239 min Scan# 2073  
Delta R.T. -0.029 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

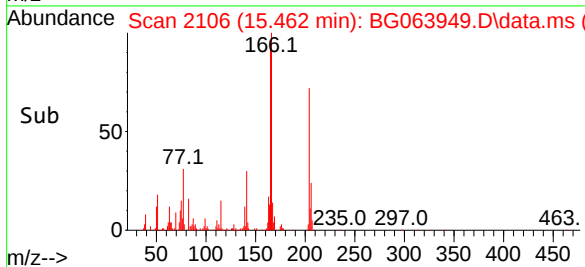
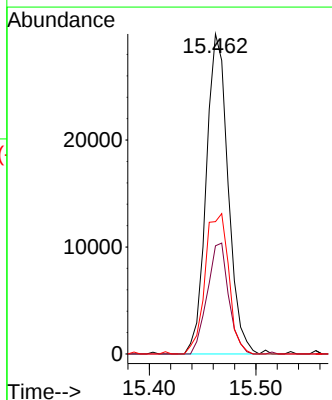
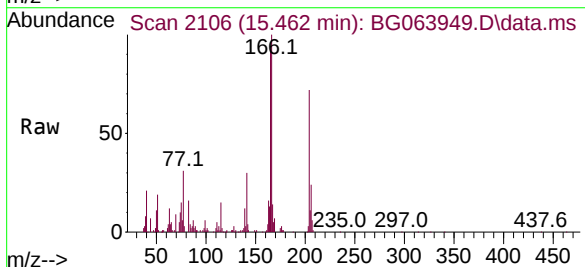
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

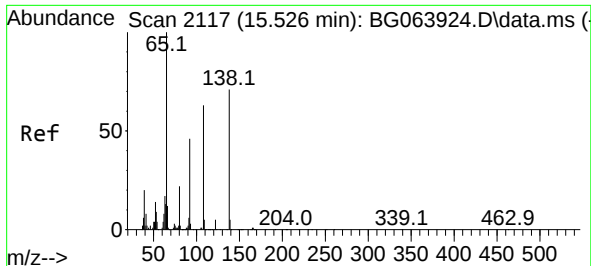
Tgt Ion:149 Resp: 75888  
Ion Ratio Lower Upper  
149 100  
177 21.8 19.1 28.7  
150 10.6 9.8 14.8



#61  
4-Chlorophenyl-phenylether  
Concen: 3.768 ng  
RT: 15.462 min Scan# 2106  
Delta R.T. -0.023 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

Tgt Ion:204 Resp: 42723  
Ion Ratio Lower Upper  
204 100  
206 33.8 26.3 39.5  
141 41.4 36.6 55.0

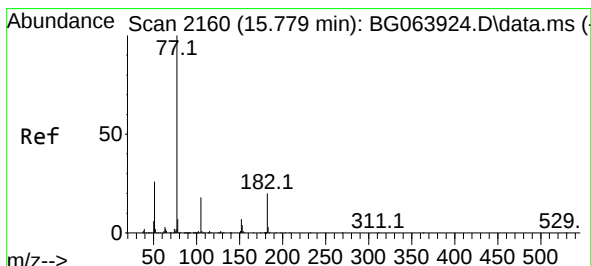
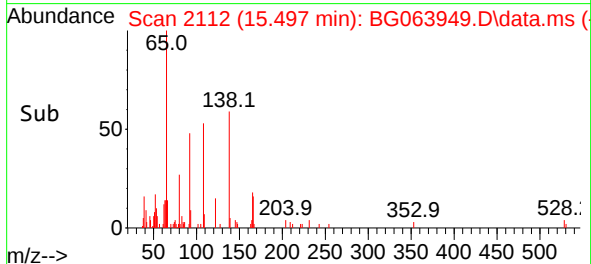
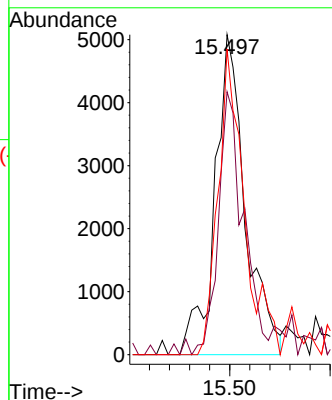
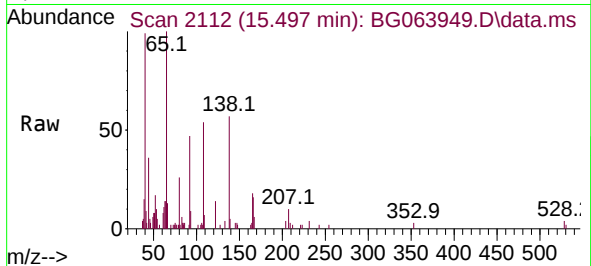




#62  
4-Nitroaniline  
Concen: 2.401 ng  
RT: 15.497 min Scan# 2112  
Delta R.T. -0.029 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

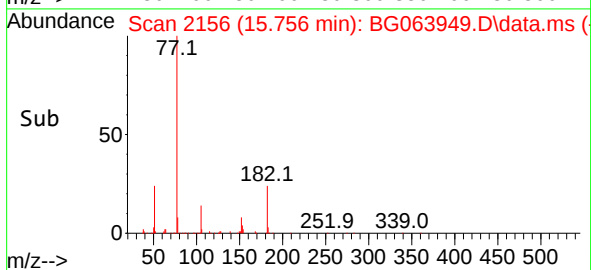
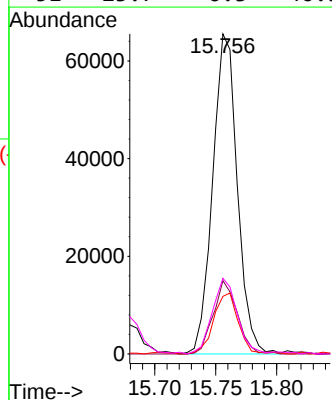
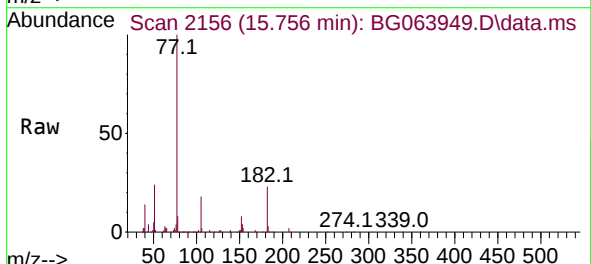
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

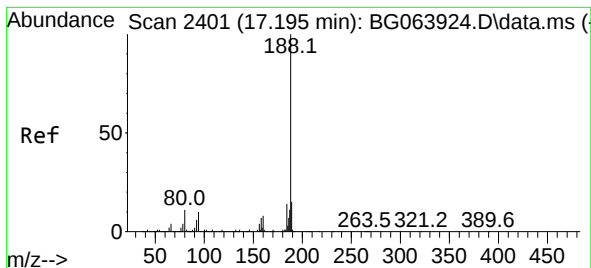
Tgt Ion:138 Resp: 10625  
Ion Ratio Lower Upper  
138 100  
92 82.2 43.9 83.9  
108 95.6 68.3 108.3



#63  
Azobenzene  
Concen: 3.549 ng  
RT: 15.756 min Scan# 2156  
Delta R.T. -0.023 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

Tgt Ion: 77 Resp: 92198  
Ion Ratio Lower Upper  
77 100  
182 22.9 0.2 40.2  
105 18.0 0.0 37.9  
51 23.7 6.3 46.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.172 min Scan# 21

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

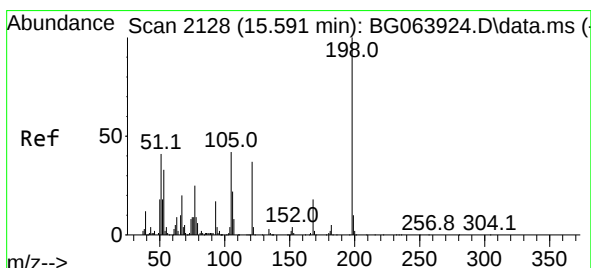
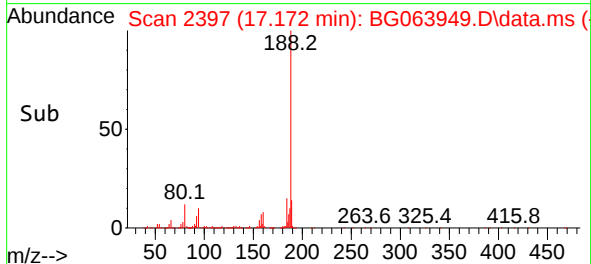
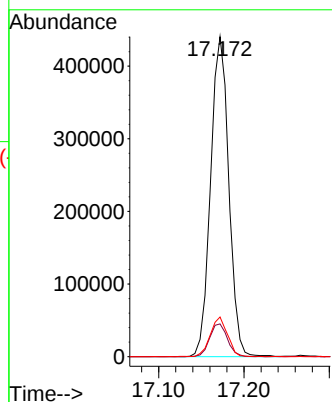
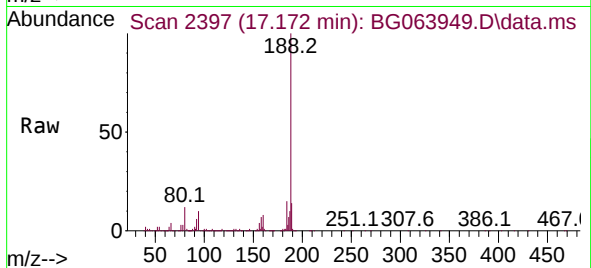
Tgt Ion:188 Resp: 654860

Ion Ratio Lower Upper

188 100

94 10.2 8.4 12.6

80 12.4 9.1 13.7



#65

4,6-Dinitro-2-methylphenol

Concen: 1.464 ng m

RT: 15.580 min Scan# 2126

Delta R.T. -0.011 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

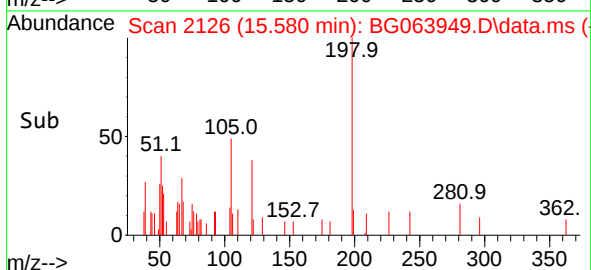
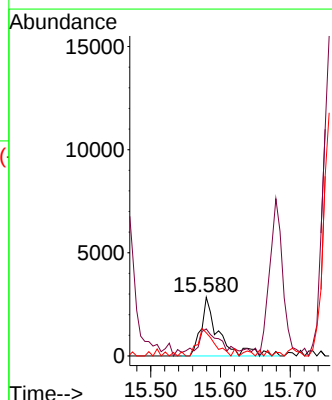
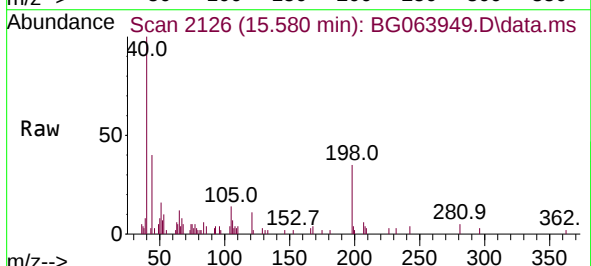
Tgt Ion:198 Resp: 4998

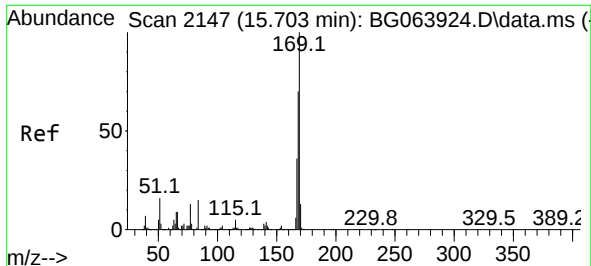
Ion Ratio Lower Upper

198 100

51 46.1 22.5 62.5

105 39.5 22.2 62.2

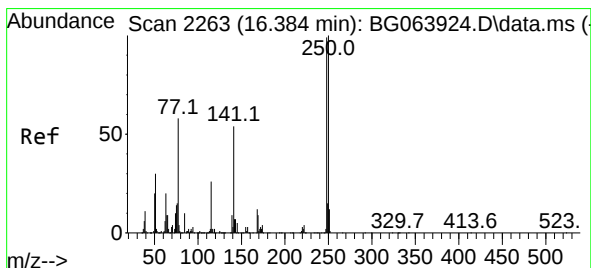
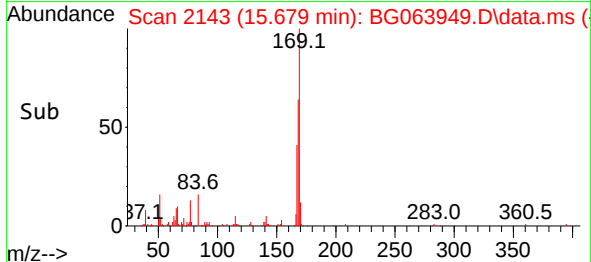
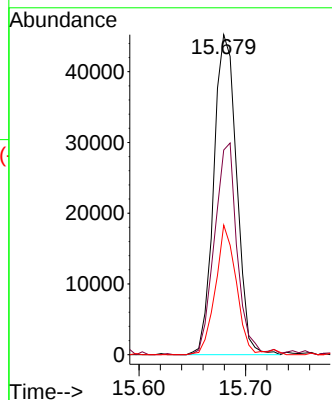
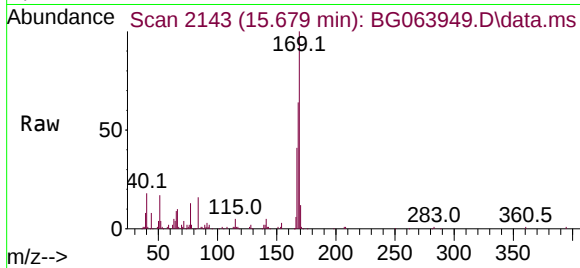




#66  
n-Nitrosodiphenylamine  
Concen: 3.946 ng  
RT: 15.679 min Scan# 2147  
Delta R.T. -0.023 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

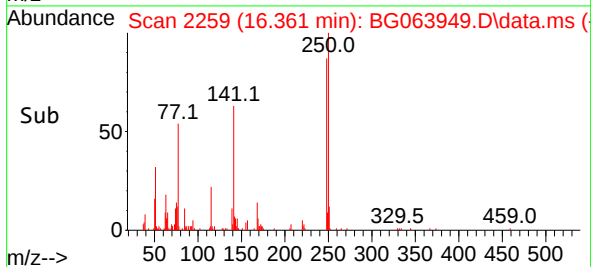
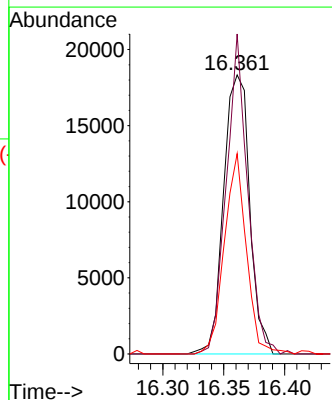
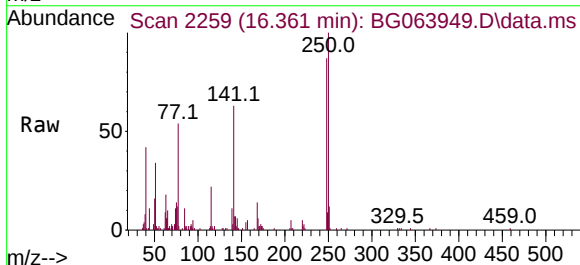
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

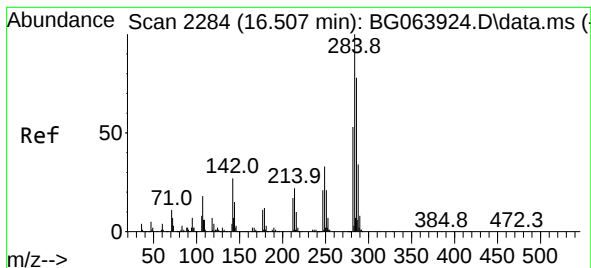
Tgt Ion:169 Resp: 67301  
Ion Ratio Lower Upper  
169 100  
168 63.9 56.2 84.2  
167 40.5 29.2 43.8



#67  
4-Bromophenyl-phenylether  
Concen: 3.761 ng  
RT: 16.361 min Scan# 2259  
Delta R.T. -0.023 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

Tgt Ion:248 Resp: 27230  
Ion Ratio Lower Upper  
248 100  
250 114.7 80.7 121.1  
141 71.8 43.3 64.9#





#68

Hexachlorobenzene

Concen: 3.715 ng

RT: 16.484 min Scan# 21

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

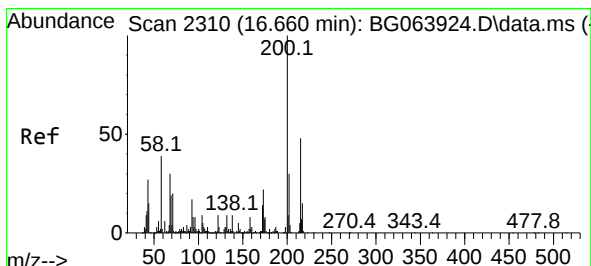
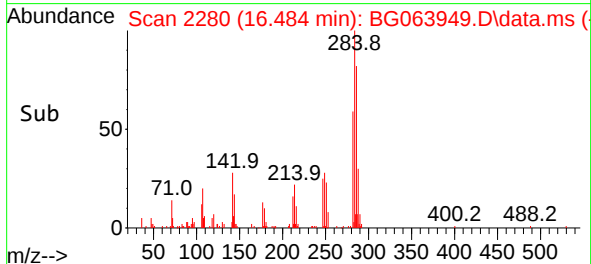
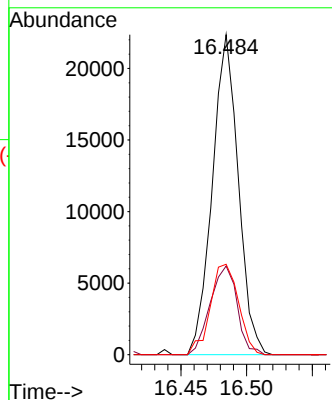
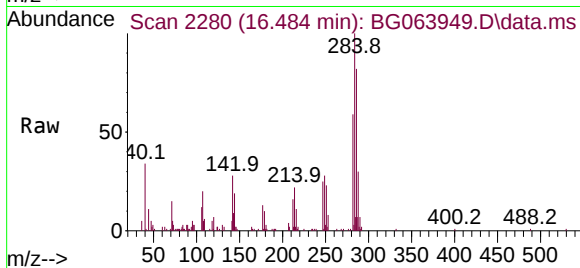
Tgt Ion:284 Resp: 30708

Ion Ratio Lower Upper

284 100

142 27.7 22.0 33.0

249 28.3 26.2 39.2



#69

Atrazine

Concen: 4.530 ng

RT: 16.631 min Scan# 2305

Delta R.T. -0.029 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

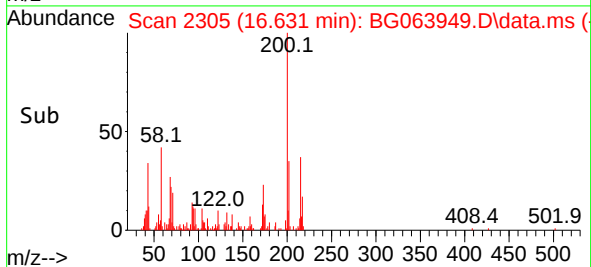
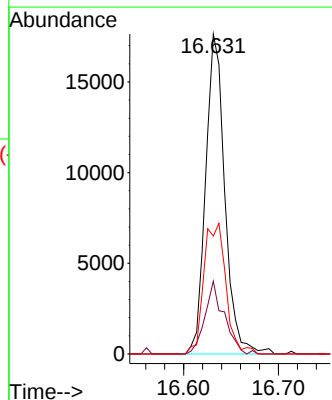
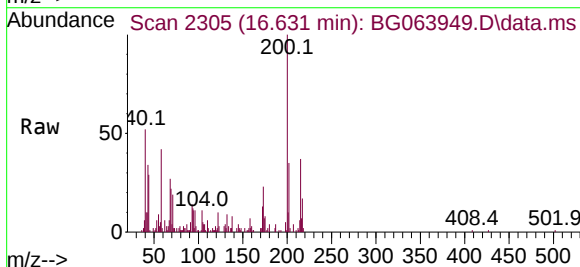
Tgt Ion:200 Resp: 24765

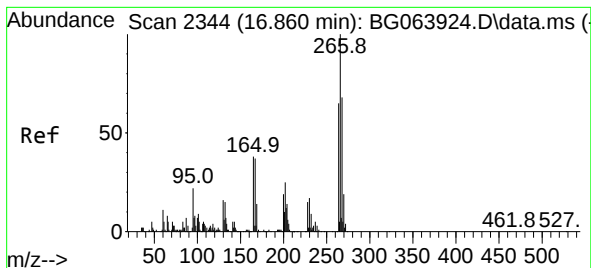
Ion Ratio Lower Upper

200 100

173 22.8 2.4 42.4

215 36.8 27.6 67.6





#70

Pentachlorophenol

Concen: 1.542 ng m

RT: 16.849 min Scan# 21

Delta R.T. -0.011 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

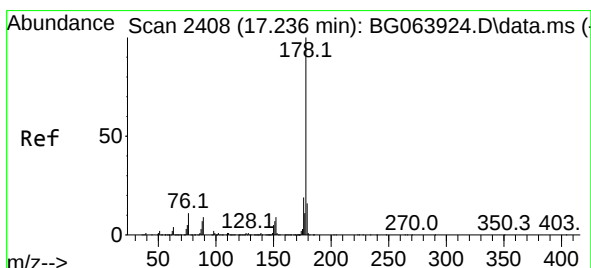
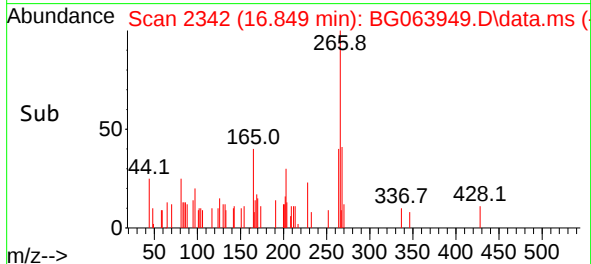
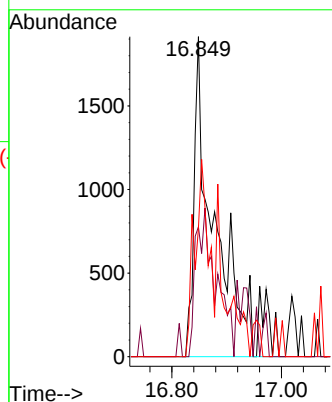
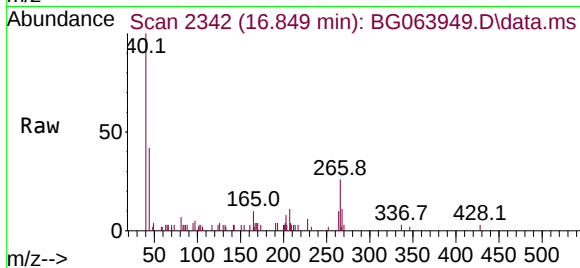
Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:266 | Resp: | 5286       |
| Ion Ratio   | Lower | Upper      |
| 266         | 100   |            |
| 268         | 40.6  | 54.5 81.7# |
| 264         | 40.2  | 52.2 78.4# |



#71

Phenanthrene

Concen: 4.160 ng

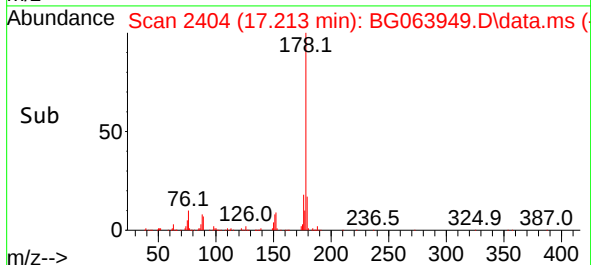
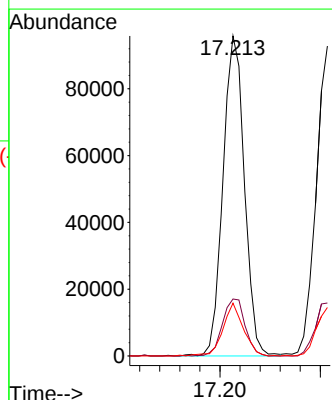
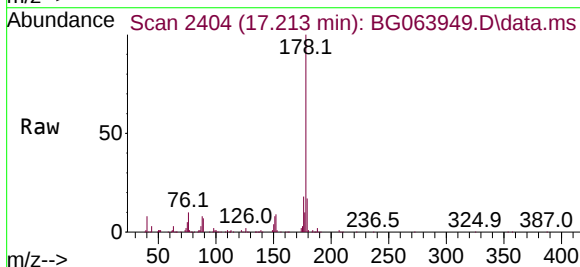
RT: 17.213 min Scan# 2404

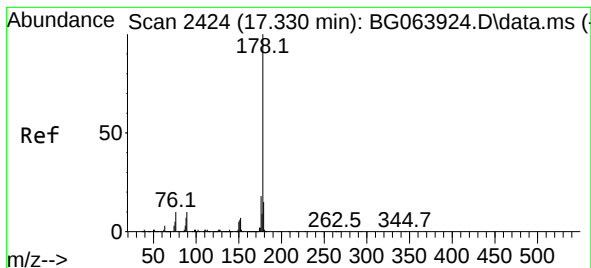
Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 141708    |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 17.8  | 15.0 22.4 |
| 179         | 16.5  | 12.5 18.7 |





#72

Anthracene

Concen: 3.984 ng

RT: 17.307 min Scan# 24

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

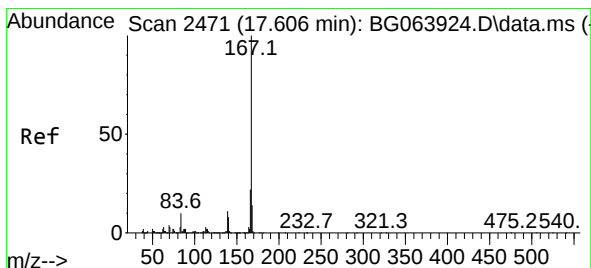
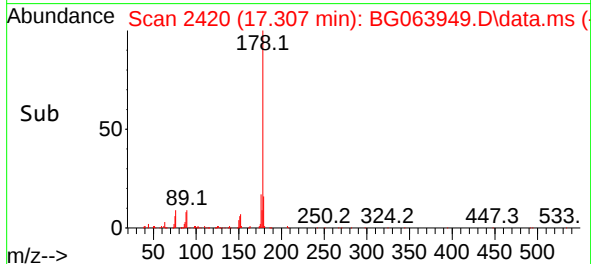
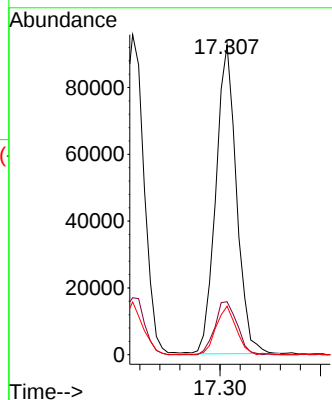
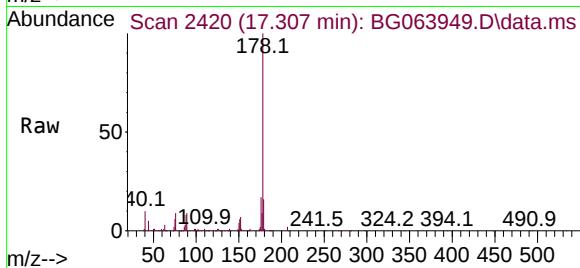
Tgt Ion:178 Resp: 132101

Ion Ratio Lower Upper

178 100

176 17.1 14.5 21.7

179 15.7 12.1 18.1



#73

Carbazole

Concen: 3.787 ng

RT: 17.583 min Scan# 2467

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

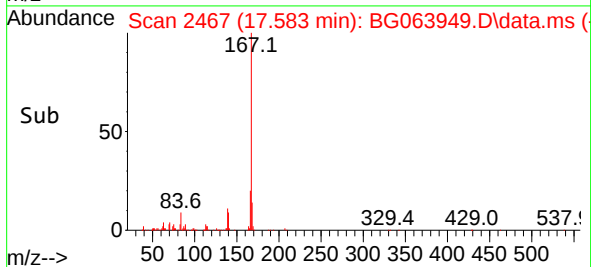
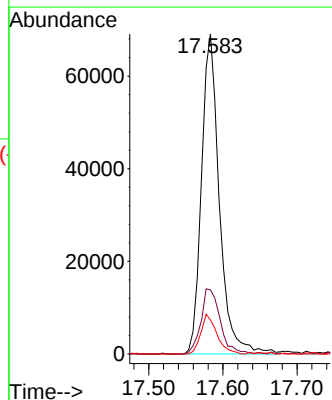
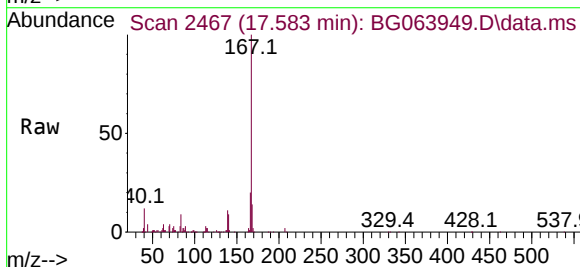
Tgt Ion:167 Resp: 115962

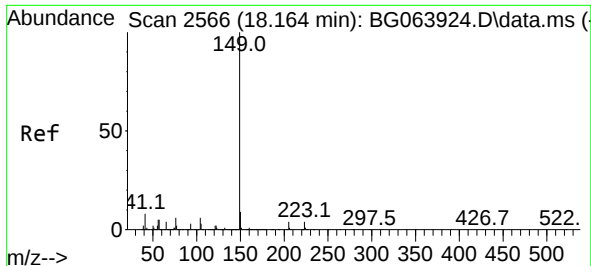
Ion Ratio Lower Upper

167 100

166 20.0 17.4 26.0

139 10.7 9.0 13.6

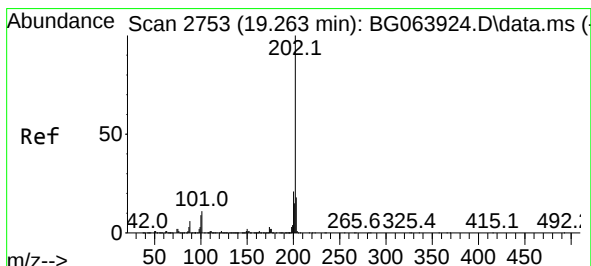
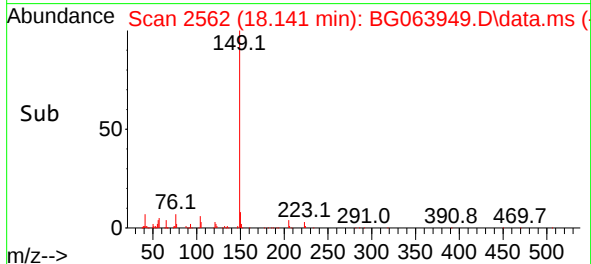
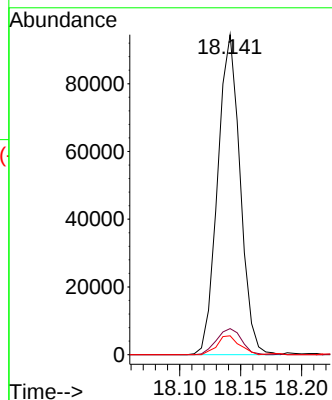
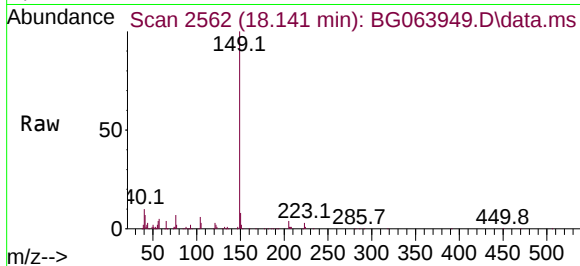




#74  
Di-n-butylphthalate  
Concen: 3.558 ng  
RT: 18.141 min Scan# 21  
Delta R.T. -0.023 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

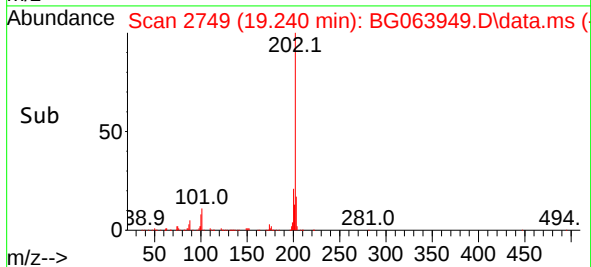
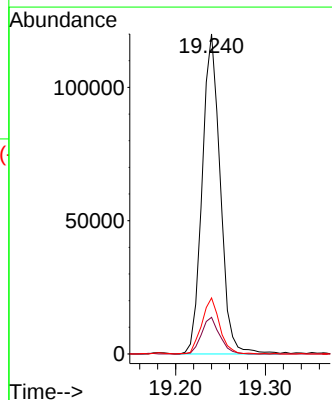
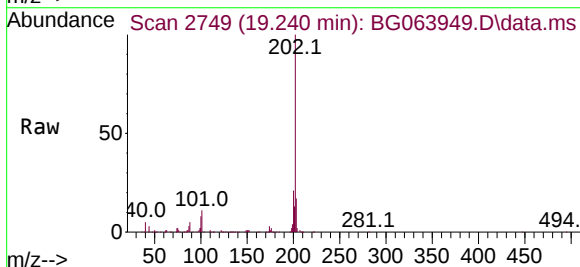
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

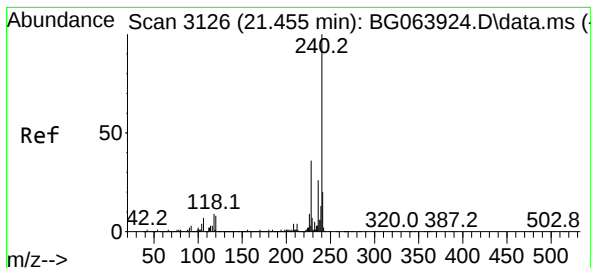
Tgt Ion:149 Resp: 121396  
Ion Ratio Lower Upper  
149 100  
150 8.2 7.4 11.0  
104 5.9 4.9 7.3



#75  
Fluoranthene  
Concen: 3.900 ng  
RT: 19.240 min Scan# 2749  
Delta R.T. -0.023 min  
Lab File: BG063949.D  
Acq: 10 Jan 2025 14:07

Tgt Ion:202 Resp: 167630  
Ion Ratio Lower Upper  
202 100  
101 11.4 0.0 31.1  
203 17.5 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.426 min Scan# 31

Delta R.T. -0.029 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

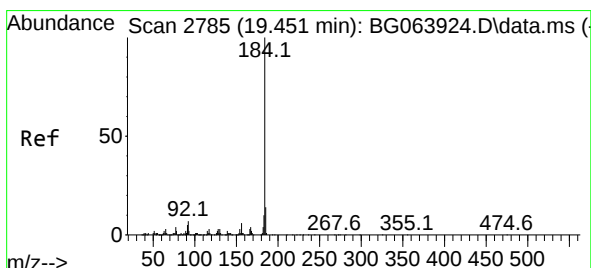
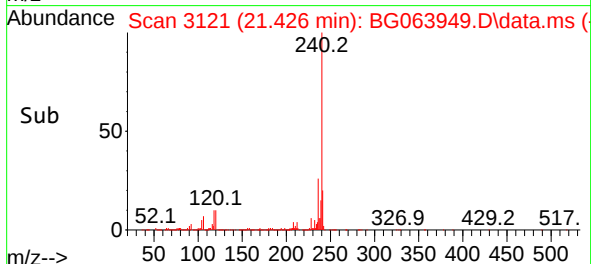
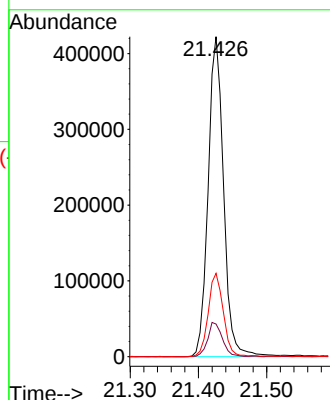
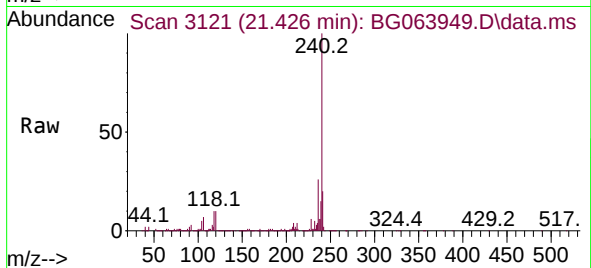
Tgt Ion:240 Resp: 665529

Ion Ratio Lower Upper

240 100

120 10.2 6.7 10.1#

236 26.0 21.2 31.8



#77

Benzidine

Concen: 3.136 ng m

RT: 19.428 min Scan# 2781

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

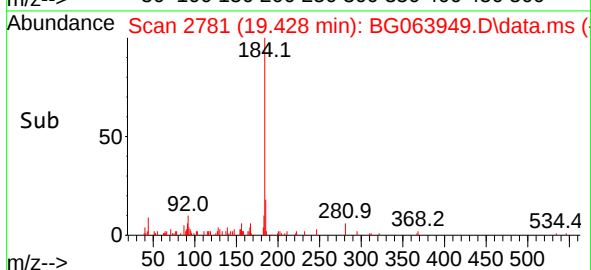
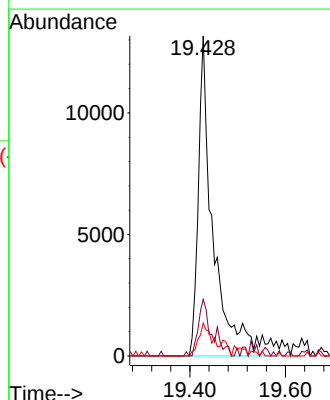
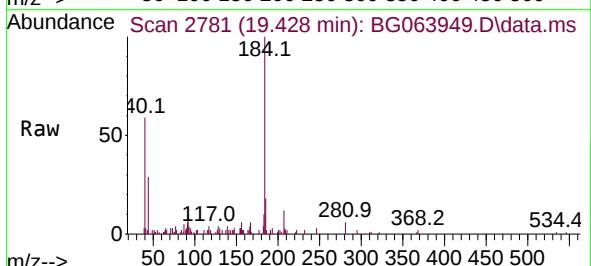
Tgt Ion:184 Resp: 29206

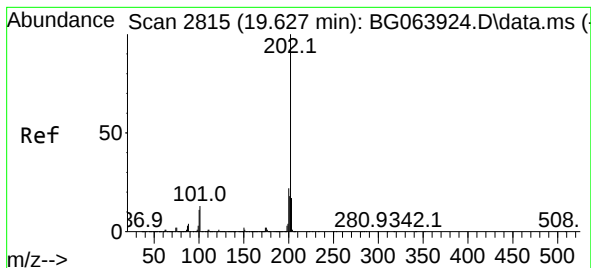
Ion Ratio Lower Upper

184 100

185 17.7 11.4 17.2#

183 10.3 8.4 12.6





#78

Pyrene

Concen: 3.978 ng

RT: 19.604 min Scan# 2811

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

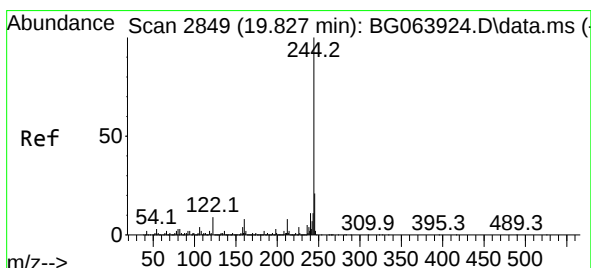
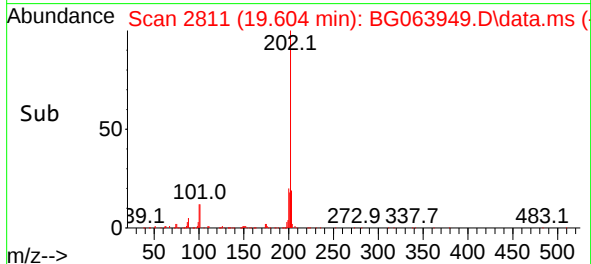
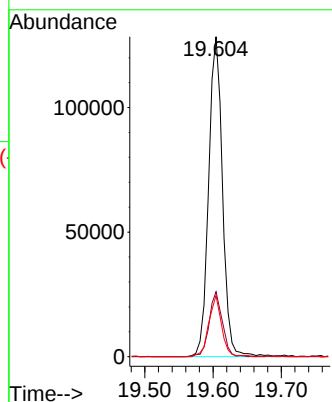
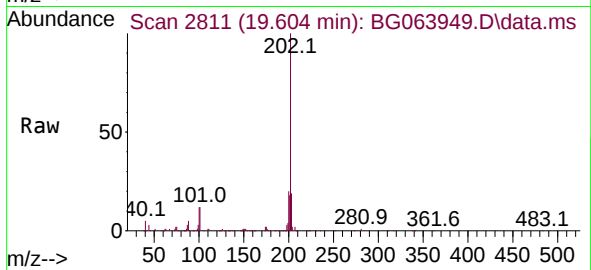
Tgt Ion:202 Resp: 181583

Ion Ratio Lower Upper

202 100

200 20.3 17.3 25.9

203 19.1 13.9 20.9



#79

Terphenyl-d14

Concen: 81.167 ng

RT: 19.804 min Scan# 2845

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

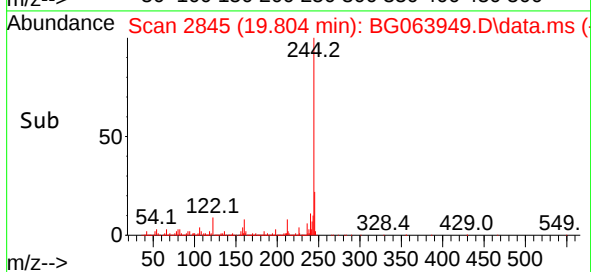
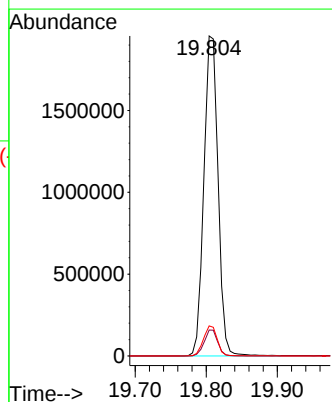
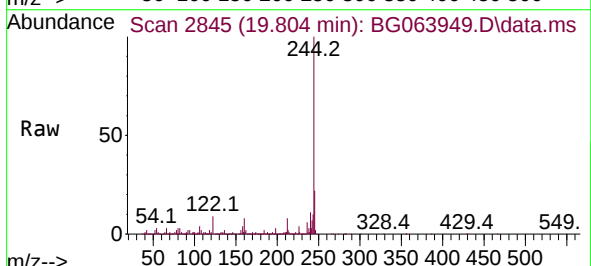
Tgt Ion:244 Resp: 2720628

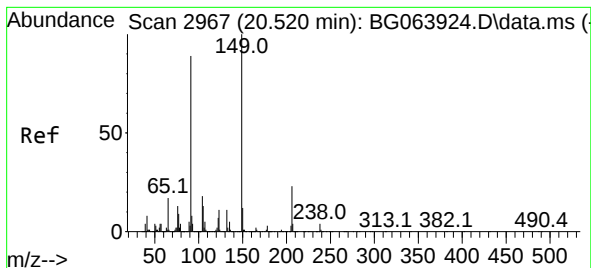
Ion Ratio Lower Upper

244 100

212 8.1 6.7 10.1

122 9.4 7.4 11.0





#80

Butylbenzylphthalate

Concen: 2.972 ng

RT: 20.497 min Scan# 2967

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

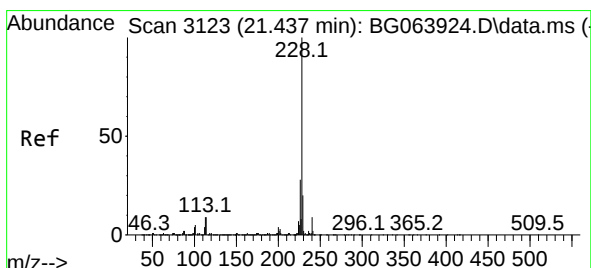
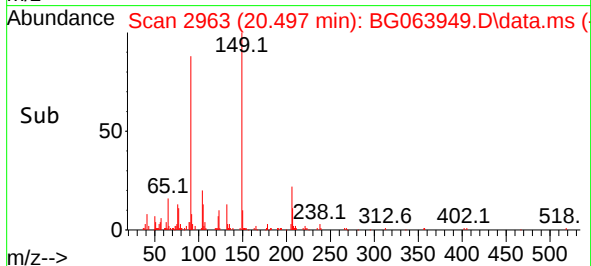
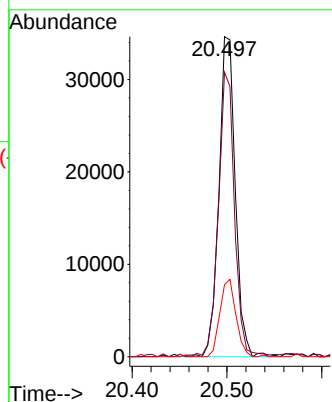
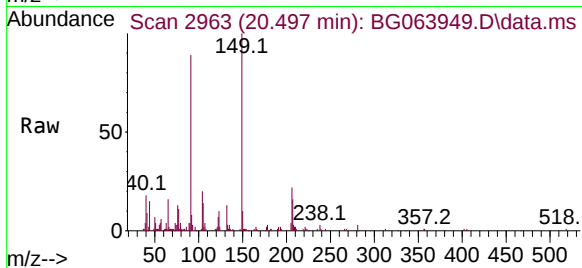
Tgt Ion:149 Resp: 41858

Ion Ratio Lower Upper

149 100

91 88.9 71.4 107.0

206 22.5 18.7 28.1



#81

Benzo(a)anthracene

Concen: 3.921 ng

RT: 21.408 min Scan# 3118

Delta R.T. -0.029 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

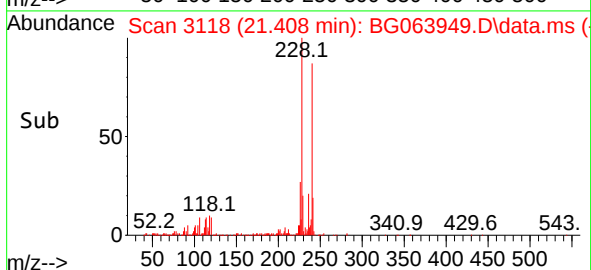
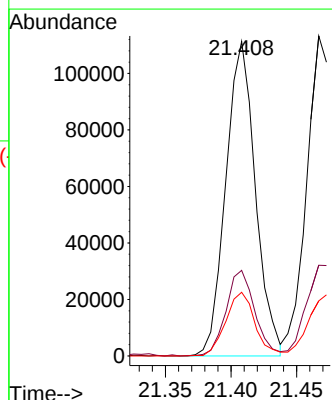
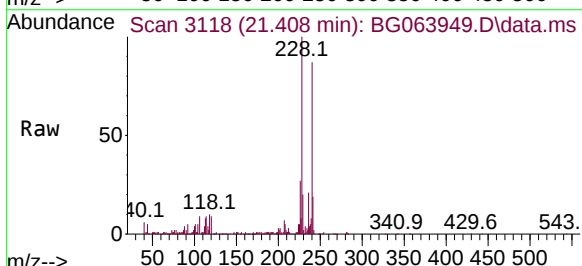
Tgt Ion:228 Resp: 174575

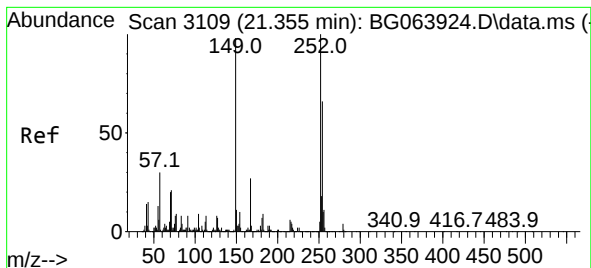
Ion Ratio Lower Upper

228 100

226 27.2 22.2 33.2

229 20.3 15.8 23.6





#82

3,3'-Dichlorobenzidine

Concen: 3.099 ng

RT: 21.332 min Scan# 3105

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

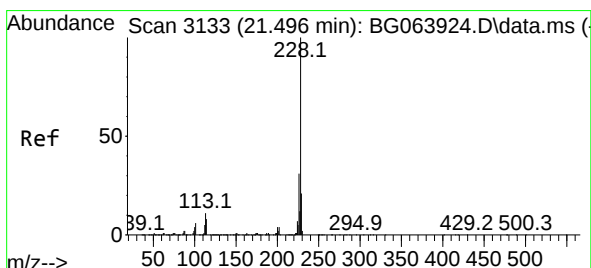
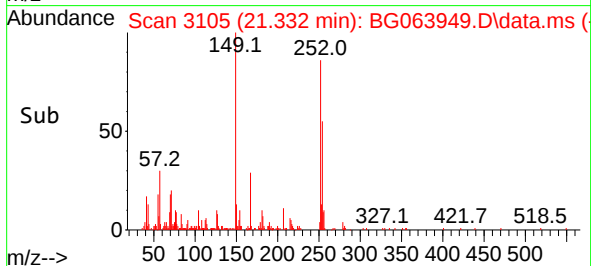
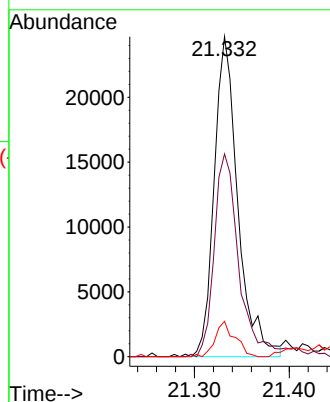
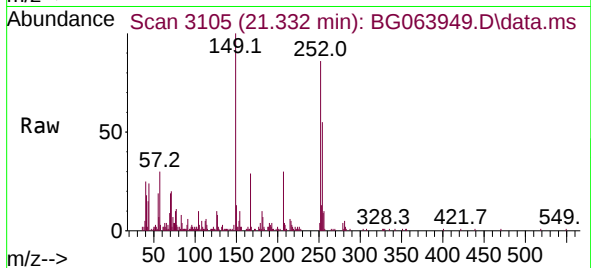
Tgt Ion:252 Resp: 42858

Ion Ratio Lower Upper

252 100

254 63.3 52.6 78.8

126 11.1 6.2 9.2#



#83

Chrysene

Concen: 4.137 ng

RT: 21.467 min Scan# 3128

Delta R.T. -0.029 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

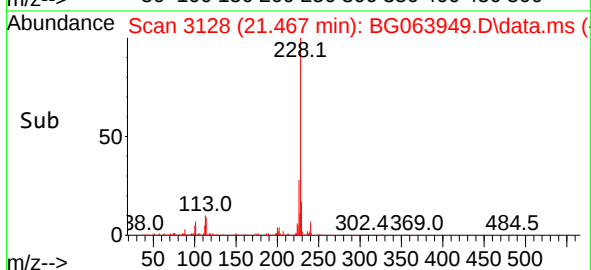
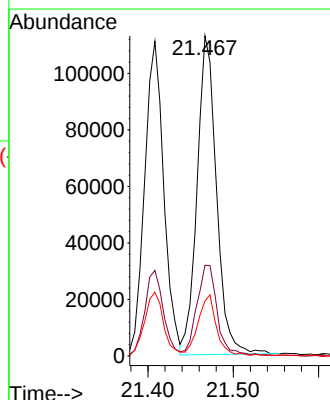
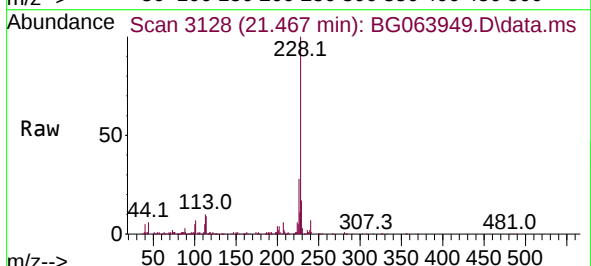
Tgt Ion:228 Resp: 178831

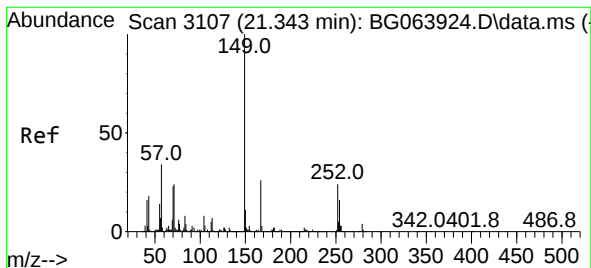
Ion Ratio Lower Upper

228 100

226 28.4 24.6 37.0

229 17.2 16.6 25.0

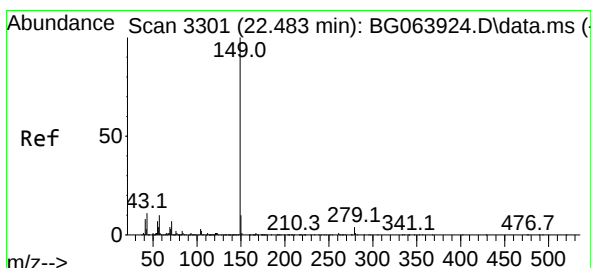
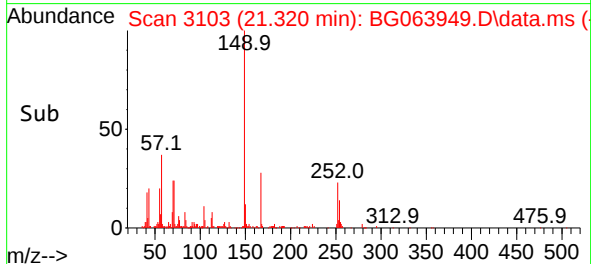
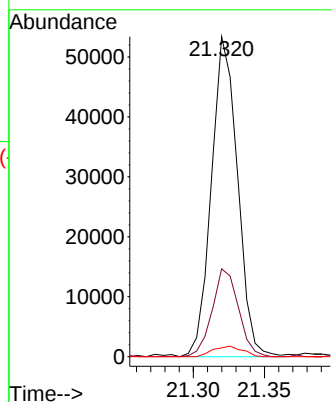
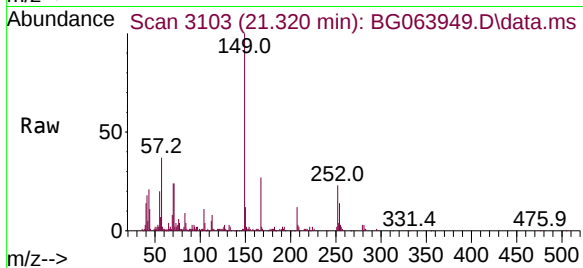




#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 3.165 ng  
 RT: 21.320 min Scan# 3103  
 Delta R.T. -0.023 min  
 Lab File: BG063949.D  
 Acq: 10 Jan 2025 14:07

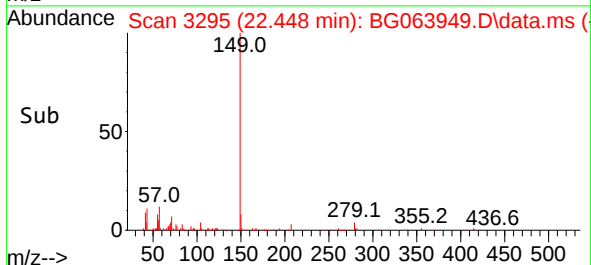
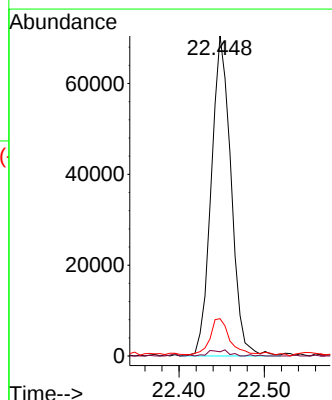
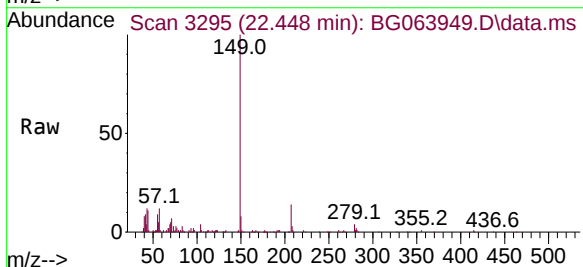
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2024

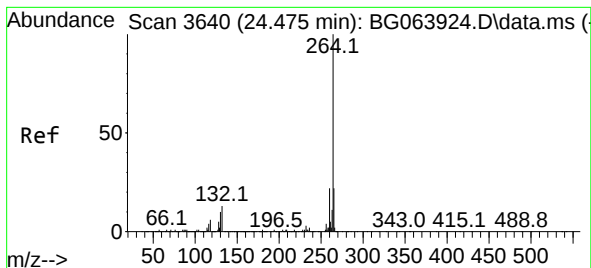
Tgt Ion:149 Resp: 68170  
 Ion Ratio Lower Upper  
 149 100  
 167 27.5 20.6 31.0  
 279 2.7 2.9 4.3#



#85  
 Di-n-octyl phthalate  
 Concen: 3.040 ng  
 RT: 22.448 min Scan# 3295  
 Delta R.T. -0.035 min  
 Lab File: BG063949.D  
 Acq: 10 Jan 2025 14:07

Tgt Ion:149 Resp: 114049  
 Ion Ratio Lower Upper  
 149 100  
 167 1.9 1.3 1.9  
 43 10.9 8.7 13.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.428 min Scan# 3

Delta R.T. -0.047 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

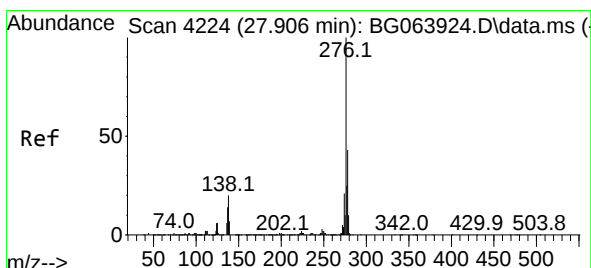
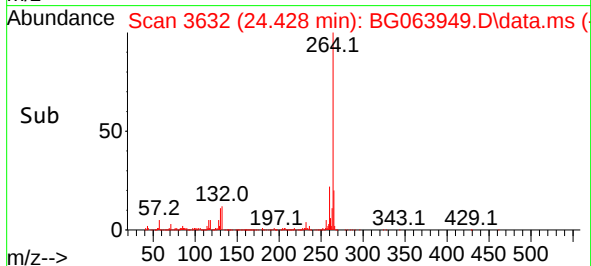
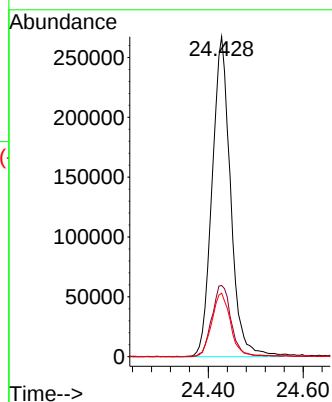
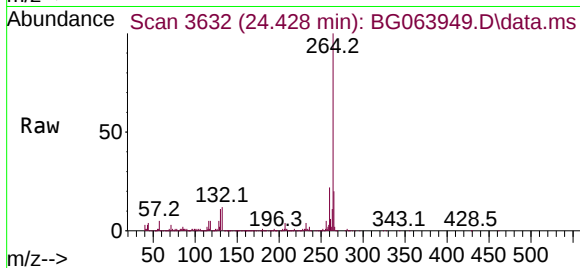
Tgt Ion:264 Resp: 720105

Ion Ratio Lower Upper

264 100

260 22.3 17.4 26.0

265 19.8 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.630 ng m

RT: 27.812 min Scan# 4208

Delta R.T. -0.094 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

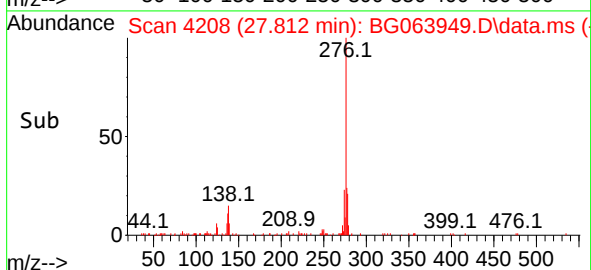
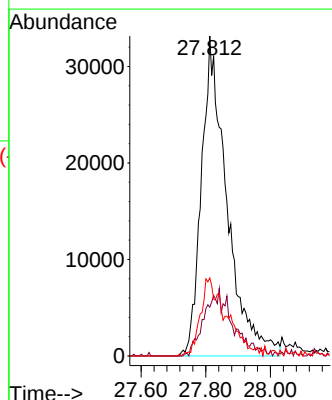
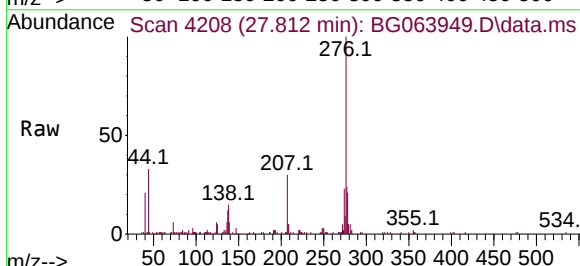
Tgt Ion:276 Resp: 181541

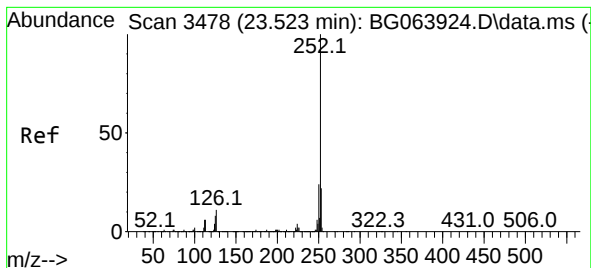
Ion Ratio Lower Upper

276 100

138 11.0 17.4 26.2#

277 13.2 19.6 29.4#





#88

Benzo(b)fluoranthene

Concen: 3.601 ng

RT: 23.476 min Scan# 3478

Delta R.T. -0.047 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

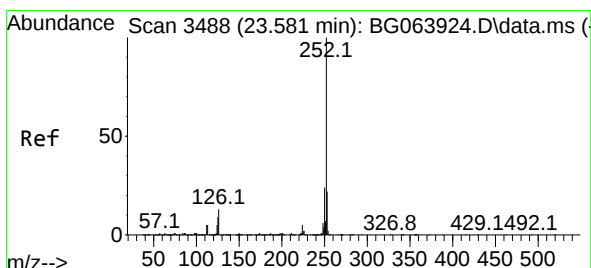
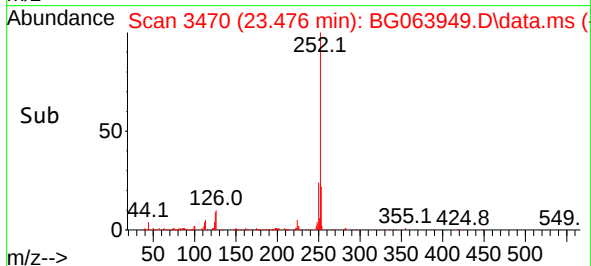
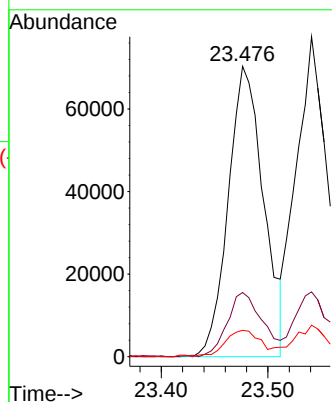
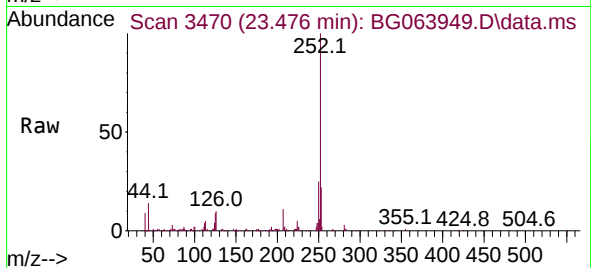
Tgt Ion:252 Resp: 162081

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 9.1 6.6 9.8



#89

Benzo(k)fluoranthene

Concen: 3.746 ng

RT: 23.541 min Scan# 3481

Delta R.T. -0.041 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

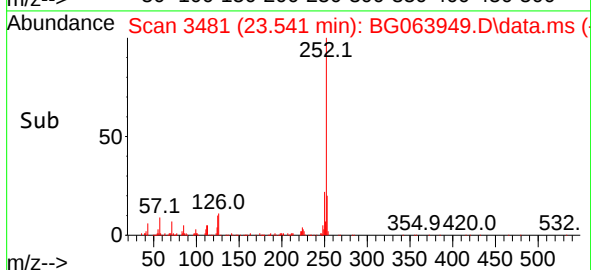
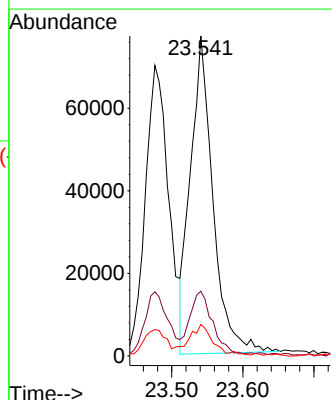
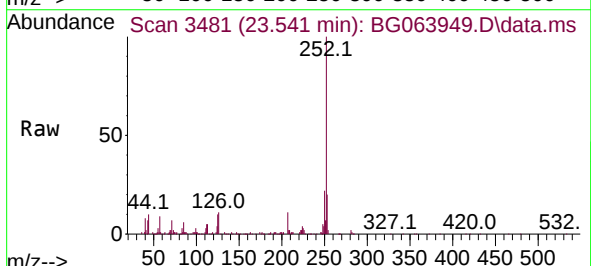
Tgt Ion:252 Resp: 169211

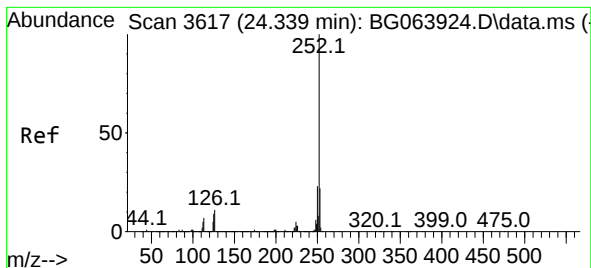
Ion Ratio Lower Upper

252 100

253 20.3 18.0 27.0

125 9.9 7.2 10.8





#90

Benzo(a)pyrene

Concen: 3.962 ng

RT: 24.281 min Scan# 3

Delta R.T. -0.058 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

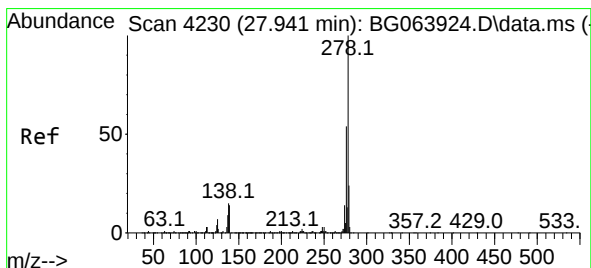
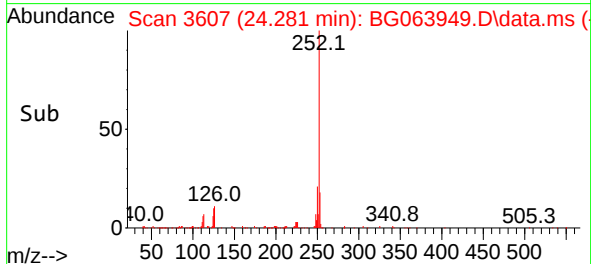
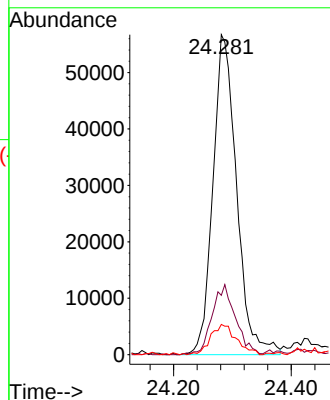
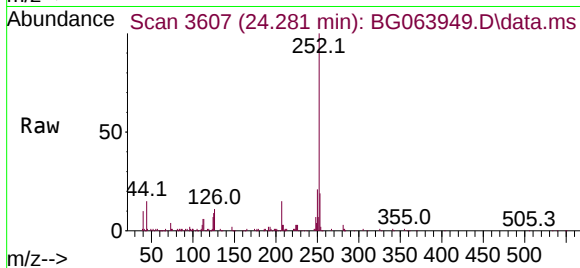
Tgt Ion:252 Resp: 158405

Ion Ratio Lower Upper

252 100

253 18.6 17.6 26.4

125 9.4 7.0 10.4



#91

Dibenzo(a,h)anthracene

Concen: 3.472 ng m

RT: 27.859 min Scan# 4216

Delta R.T. -0.082 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

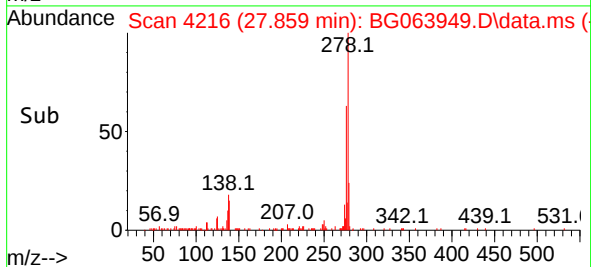
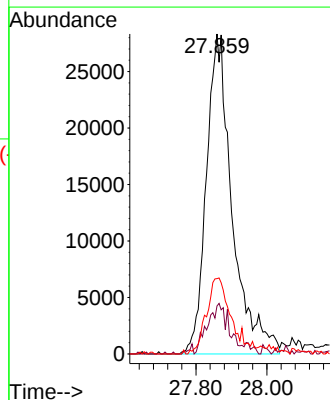
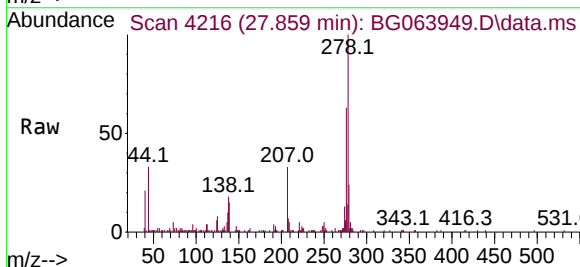
Tgt Ion:278 Resp: 143702

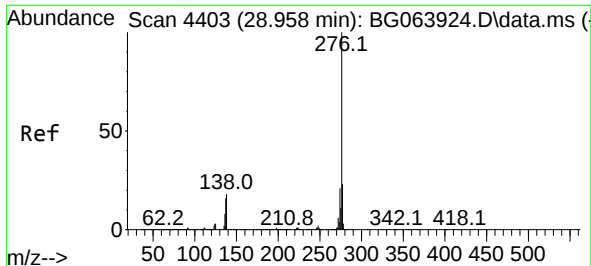
Ion Ratio Lower Upper

278 100

139 15.0 11.1 16.7

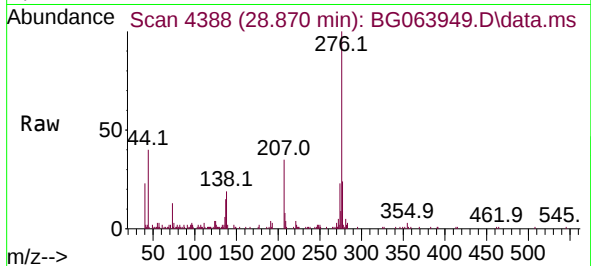
279 23.6 18.9 28.3





#92  
 Benzo(g,h,i)perylene  
 Concen: 3.380 ng m  
 RT: 28.870 min Scan# 41  
 Delta R.T. -0.088 min  
 Lab File: BG063949.D  
 Acq: 10 Jan 2025 14:07

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:276 Resp: 143876  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.5  | 18.7  | 28.1  |
| 138 | 19.0  | 14.4  | 21.6  |

