

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG090424\  
 Data File : BG062648.D  
 Acq On : 4 Sep 2024 18:22  
 Operator : MA/JU  
 Sample : P2403-01  
 Misc : LOD-MDL-SOIL-8 ng  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2024

Quant Time: Sep 05 04:50:21 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG083024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 31 02:36:01 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.924  | 152  | 47011    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.715 | 136  | 196476   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.546 | 164  | 160234   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.290 | 188  | 440390   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.532 | 240  | 498396   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.599 | 264  | 554576   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.503  | 112  | 369495   | 135.859 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.084  | 99   | 522897   | 133.087 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.076  | 82   | 366737   | 100.527 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.032 | 330  | 343100   | 152.151 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.171 | 172  | 954742   | 96.514  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.910 | 244  | 2067002  | 82.234  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.412  | 88   | 10569    | 9.328   | ng    | 96       |
| 3) Pyridine                   | 3.805  | 79   | 27933    | 8.557   | ng    | # 89     |
| 4) n-Nitrosodimethylamine     | 3.717  | 42   | 15426    | 9.720   | ng    | # 92     |
| 6) Aniline                    | 7.248  | 93   | 38575    | 10.509  | ng    | 96       |
| 8) 2-Chlorophenol             | 7.483  | 128  | 26914    | 9.217   | ng    | 95       |
| 9) Benzaldehyde               | 7.060  | 77   | 26775    | 11.715  | ng    | 96       |
| 10) Phenol                    | 7.113  | 94   | 34275    | 8.617   | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.342  | 93   | 27400    | 8.997   | ng    | 90       |
| 12) 1,3-Dichlorobenzene       | 7.812  | 146  | 27725m   | 8.653   | ng    |          |
| 13) 1,4-Dichlorobenzene       | 7.959  | 146  | 29899    | 9.067   | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.271  | 146  | 27638    | 8.527   | ng    | 96       |
| 15) Benzyl Alcohol            | 8.153  | 79   | 25021    | 8.607   | ng    | 91       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.435  | 45   | 48184    | 8.302   | ng    | 99       |
| 17) 2-Methylphenol            | 8.359  | 107  | 22052    | 7.954   | ng    | 92       |
| 18) Hexachloroethane          | 9.005  | 117  | 10113    | 8.179   | ng    | # 78     |
| 19) n-Nitroso-di-n-propyla... | 8.717  | 70   | 24134    | 7.795   | ng    | # 95     |
| 20) 3+4-Methylphenols         | 8.682  | 107  | 30019    | 7.339   | ng    | 97       |
| 22) Acetophenone              | 8.735  | 105  | 45698    | 8.622   | ng    | # 98     |
| 24) Nitrobenzene              | 9.117  | 77   | 34443    | 8.880   | ng    | 94       |
| 25) Isophorone                | 9.634  | 82   | 65076    | 8.126   | ng    | 98       |
| 26) 2-Nitrophenol             | 9.828  | 139  | 12600    | 8.597   | ng    | 89       |
| 27) 2,4-Dimethylphenol        | 9.886  | 122  | 16964    | 7.899   | ng    | 93       |
| 28) bis(2-Chloroethoxy)met... | 10.121 | 93   | 37882    | 8.837   | ng    | 96       |
| 29) 2,4-Dichlorophenol        | 10.356 | 162  | 26542    | 8.840   | ng    | 95       |
| 30) 1,2,4-Trichlorobenzene    | 10.574 | 180  | 32804    | 9.216   | ng    | 99       |
| 31) Naphthalene               | 10.762 | 128  | 85812    | 8.812   | ng    | 98       |
| 32) Benzoic acid              | 9.957  | 122  | 14817m   | 6.415   | ng    |          |
| 33) 4-Chloroaniline           | 10.868 | 127  | 35879    | 9.362   | ng    | # 90     |
| 34) Hexachlorobutadiene       | 11.050 | 225  | 22019    | 8.857   | ng    | 94       |
| 35) Caprolactam               | 11.608 | 113  | 9265     | 8.004   | ng    | 91       |
| 36) 4-Chloro-3-methylphenol   | 11.996 | 107  | 28945    | 7.992   | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.372 | 142  | 64280    | 8.510   | ng    | 92       |
| 38) 1-Methylnaphthalene       | 12.589 | 142  | 63151    | 8.326   | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 12.736 | 216  | 43806    | 9.091   | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 12.718 | 237  | 12586    | 9.154   | ng    | 90       |
| 43) 2,4,6-Trichlorophenol     | 12.977 | 196  | 27001    | 8.839   | ng    | 94       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG090424\  
 Data File : BG062648.D  
 Acq On : 4 Sep 2024 18:22  
 Operator : MA/JU  
 Sample : P2403-01  
 Misc : LOD-MDL-SOIL-8 ng  
 ALS Vial : 14 Sample Multiplier: 1

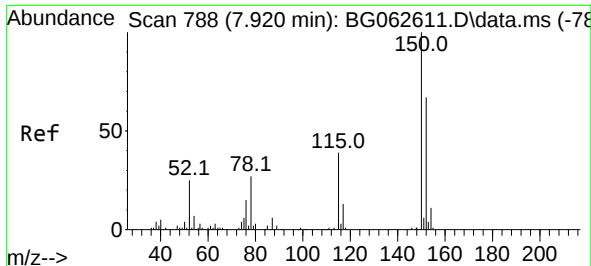
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2024

Quant Time: Sep 05 04:50:21 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG083024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 31 02:36:01 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.047 | 196  | 29485    | 8.523  | ng    | # 94     |
| 46) 1,1'-Biphenyl             | 13.376 | 154  | 97397    | 9.111  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.418 | 162  | 76213    | 8.797  | ng    | 95       |
| 48) 2-Nitroaniline            | 13.617 | 65   | 20418    | 8.960  | ng    | 96       |
| 49) Acenaphthylene            | 14.264 | 152  | 125182   | 9.757  | ng    | 95       |
| 50) Dimethylphthalate         | 13.999 | 163  | 106185   | 9.063  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.117 | 165  | 19209    | 8.668  | ng    | # 83     |
| 52) Acenaphthene              | 14.604 | 154  | 74854    | 9.333  | ng    | 96       |
| 53) 3-Nitroaniline            | 14.440 | 138  | 20265    | 9.450  | ng    | 93       |
| 54) 2,4-Dinitrophenol         | 14.651 | 184  | 6727     | 5.409  | ng    | 93       |
| 55) Dibenzofuran              | 14.939 | 168  | 130374   | 9.479  | ng    | 97       |
| 56) 4-Nitrophenol             | 14.751 | 139  | 15716    | 8.648  | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 14.898 | 165  | 26399    | 8.730  | ng    | 100      |
| 58) Fluorene                  | 15.592 | 166  | 97898    | 9.069  | ng    | 96       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.168 | 232  | 30217    | 9.220  | ng    | # 97     |
| 60) Diethylphthalate          | 15.362 | 149  | 102083   | 8.790  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.586 | 204  | 57756    | 9.320  | ng    | 99       |
| 62) 4-Nitroaniline            | 15.603 | 138  | 21345    | 9.027  | ng    | 99       |
| 63) Azobenzene                | 15.879 | 77   | 95898    | 8.794  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 15.668 | 198  | 14972    | 7.618  | ng    | 92       |
| 66) n-Nitrosodiphenylamine    | 15.797 | 169  | 92034    | 8.692  | ng    | 95       |
| 67) 4-Bromophenyl-phenylether | 16.479 | 248  | 38914    | 8.562  | ng    | 94       |
| 68) Hexachlorobenzene         | 16.596 | 284  | 47179    | 8.765  | ng    | 96       |
| 69) Atrazine                  | 16.743 | 200  | 42048    | 11.692 | ng    | 97       |
| 70) Pentachlorophenol         | 16.937 | 266  | 20011    | 5.804  | ng    | 99       |
| 71) Phenanthrene              | 17.331 | 178  | 193246   | 9.401  | ng    | 99       |
| 72) Anthracene                | 17.419 | 178  | 188694   | 9.336  | ng    | 98       |
| 73) Carbazole                 | 17.689 | 167  | 169582   | 9.127  | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.253 | 149  | 184559   | 8.808  | ng    | 100      |
| 75) Fluoranthene              | 19.340 | 202  | 250458   | 9.634  | ng    | 99       |
| 77) Benzidine                 | 19.522 | 184  | 104156   | 11.595 | ng    | 99       |
| 78) Pyrene                    | 19.704 | 202  | 265384   | 8.377  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.597 | 149  | 71678    | 7.703  | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.514 | 228  | 282328   | 8.981  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.432 | 252  | 96184    | 9.393  | ng    | 96       |
| 83) Chrysene                  | 21.579 | 228  | 277119   | 9.203  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.432 | 149  | 109033   | 7.712  | ng    | # 99     |
| 85) Di-n-octyl phthalate      | 22.595 | 149  | 188559   | 7.618  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.059 | 276  | 318042   | 8.944  | ng    | # 90     |
| 88) Benzo(b)fluoranthene      | 23.629 | 252  | 259335   | 8.466  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.694 | 252  | 270506   | 9.028  | ng    | 95       |
| 90) Benzo(a)pyrene            | 24.458 | 252  | 243473   | 8.997  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 28.118 | 278  | 258630   | 8.829  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 29.134 | 276  | 247547   | 8.380  | ng    | # 97     |

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

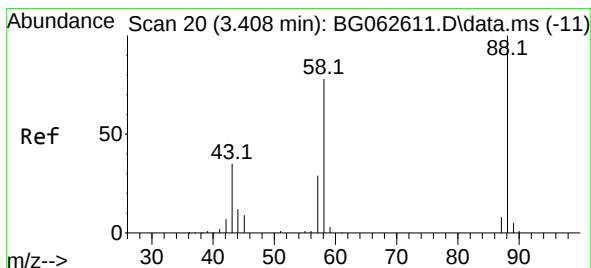
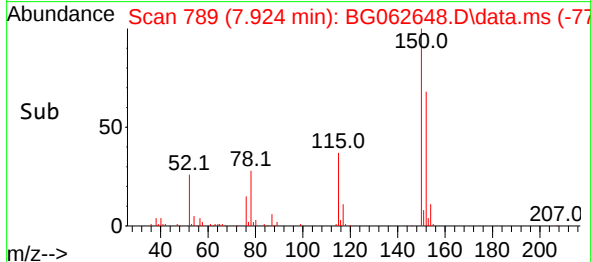
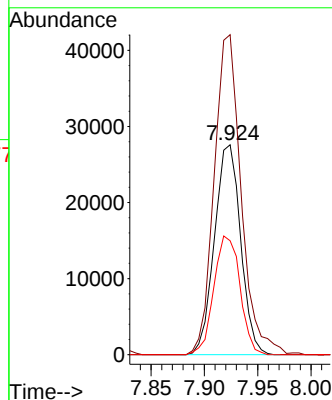
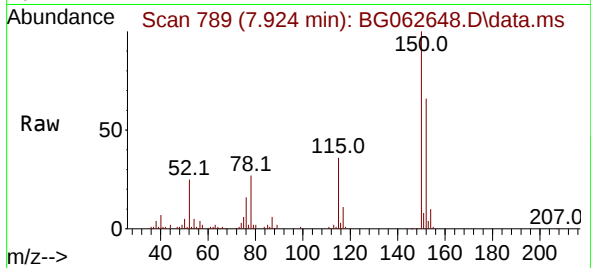




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.924 min Scan# 71  
Delta R.T. 0.004 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

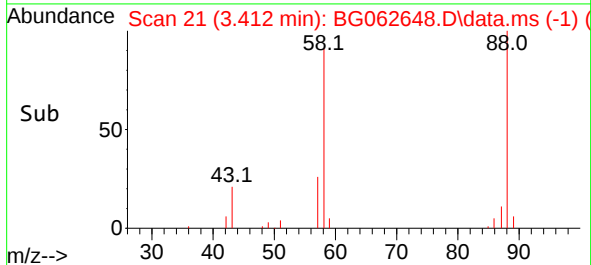
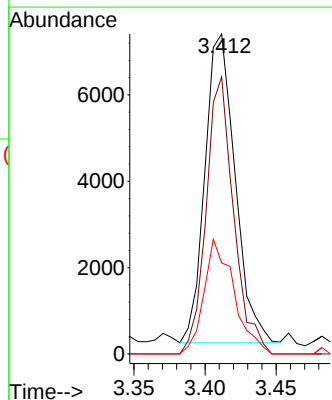
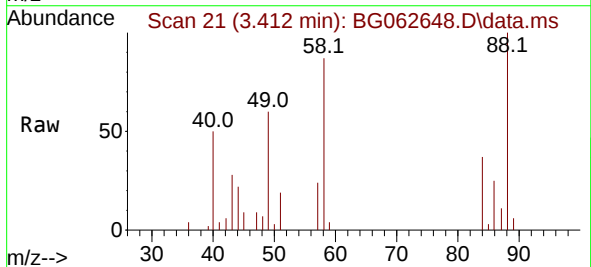
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

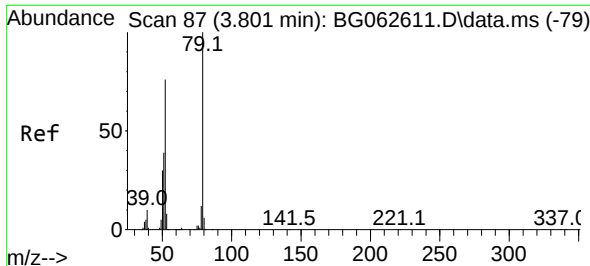
Tgt Ion:152 Resp: 47011  
Ion Ratio Lower Upper  
152 100  
150 152.4 119.9 179.9  
115 54.2 46.6 69.8



#2  
1,4-Dioxane  
Concen: 9.328 ng  
RT: 3.412 min Scan# 21  
Delta R.T. 0.004 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

Tgt Ion: 88 Resp: 10569  
Ion Ratio Lower Upper  
88 100  
58 81.5 62.3 93.5  
43 36.9 27.5 41.3





#3

Pyridine

Concen: 8.557 ng

RT: 3.805 min Scan# 81

Delta R.T. 0.004 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

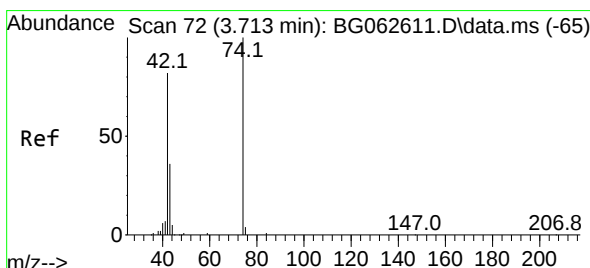
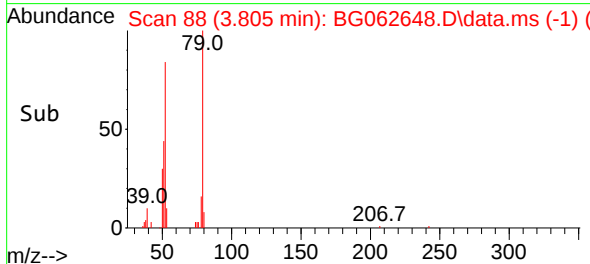
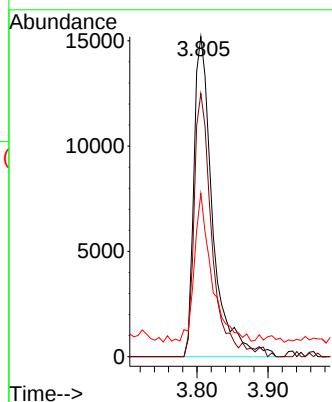
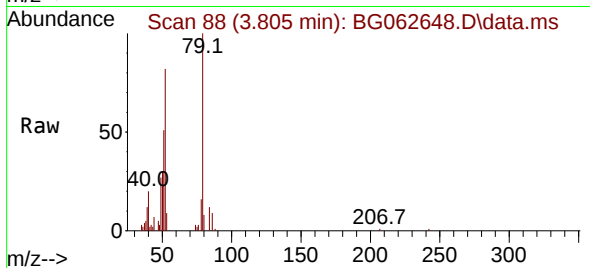
Tgt Ion: 79 Resp: 27933

Ion Ratio Lower Upper

79 100

52 82.2 60.9 91.3

51 51.0 31.5 47.3#



#4

n-Nitrosodimethylamine

Concen: 9.720 ng

RT: 3.717 min Scan# 73

Delta R.T. 0.004 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

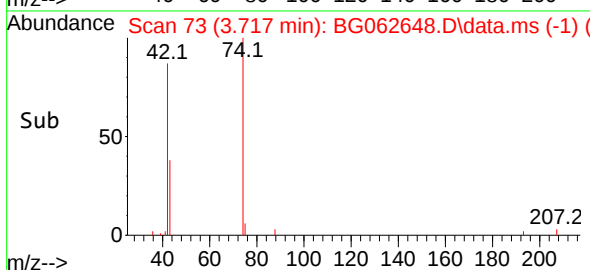
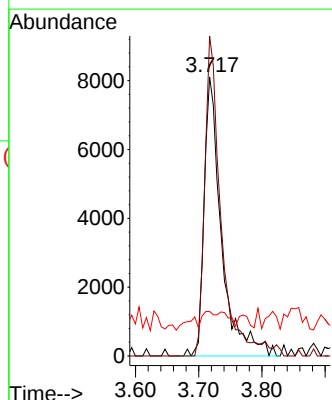
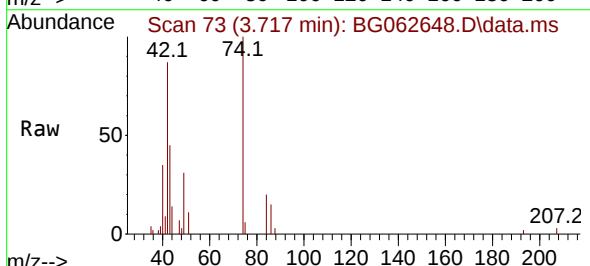
Tgt Ion: 42 Resp: 15426

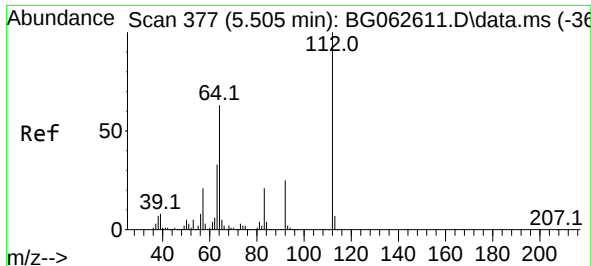
Ion Ratio Lower Upper

42 100

74 114.7 98.0 147.0

44 15.9 7.4 11.2#

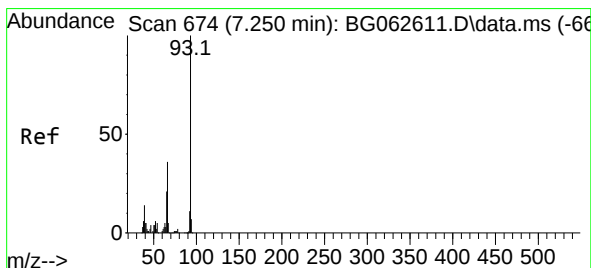
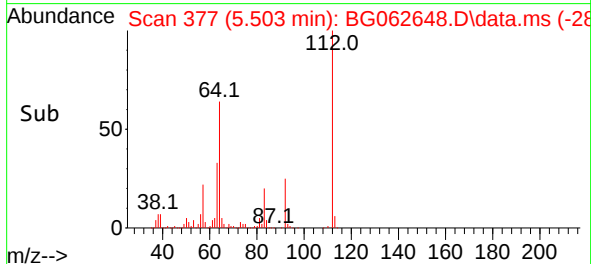
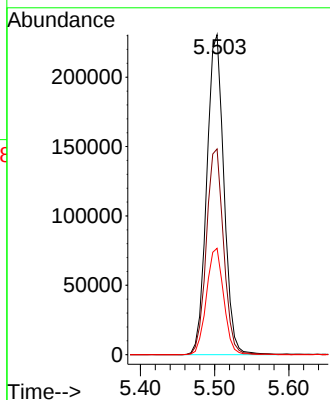
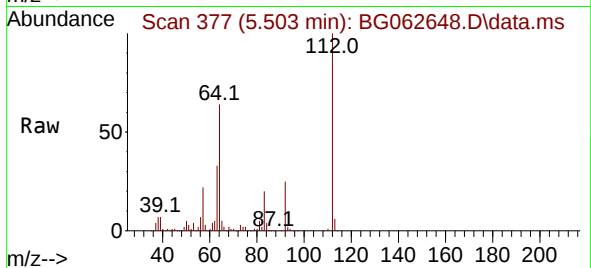




#5  
2-Fluorophenol  
Concen: 135.859 ng  
RT: 5.503 min Scan# 377  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

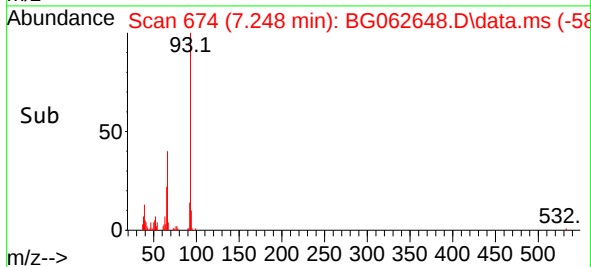
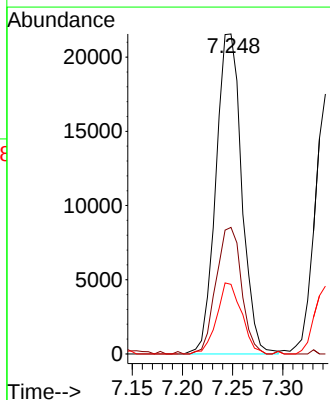
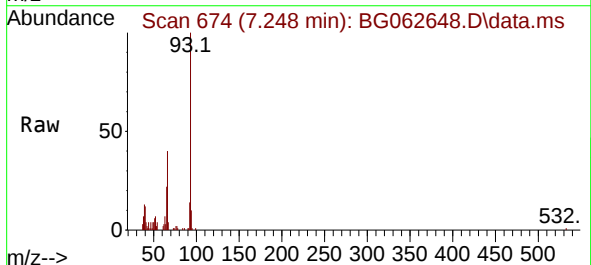
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

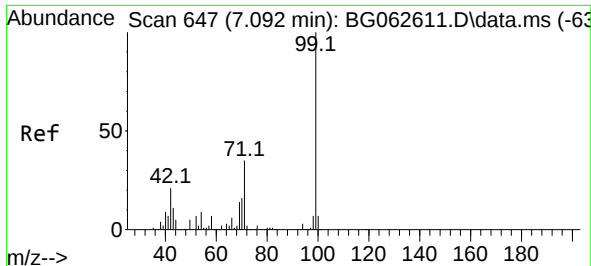
Tgt Ion:112 Resp: 369495  
Ion Ratio Lower Upper  
112 100  
64 64.3 50.2 75.2  
63 33.2 26.6 39.8



#6  
Aniline  
Concen: 10.509 ng  
RT: 7.248 min Scan# 674  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

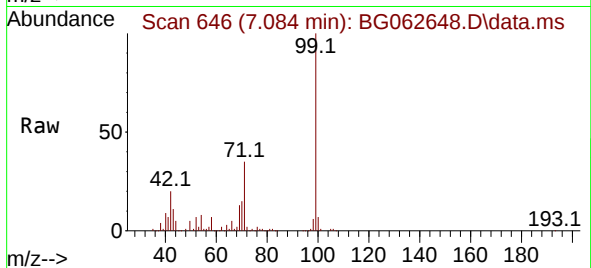
Tgt Ion: 93 Resp: 38575  
Ion Ratio Lower Upper  
93 100  
66 39.5 29.1 43.7  
65 21.8 16.6 25.0





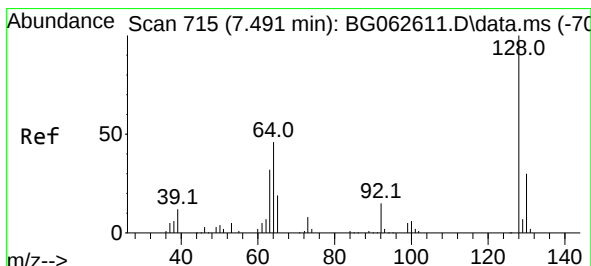
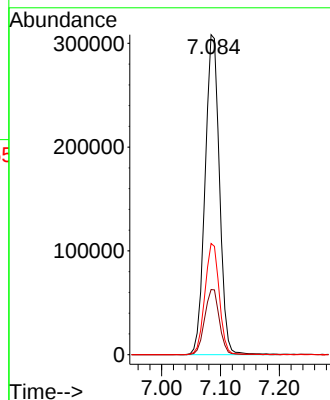
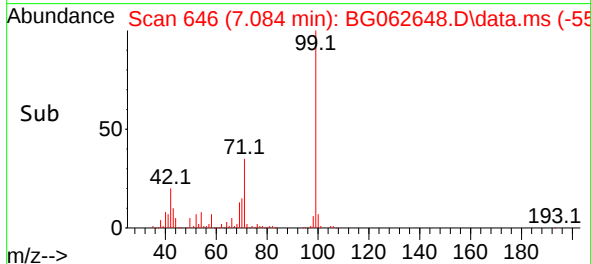
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Phenol-d6  
Concen: 133.087 ng  
RT: 7.084 min Scan# 647  
Delta R.T. -0.008 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

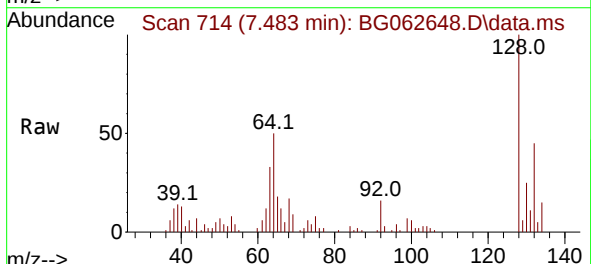


Tgt Ion: 99 Resp: 522897

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 20.4  | 16.9  | 25.3  |
| 71  | 34.7  | 27.9  | 41.9  |

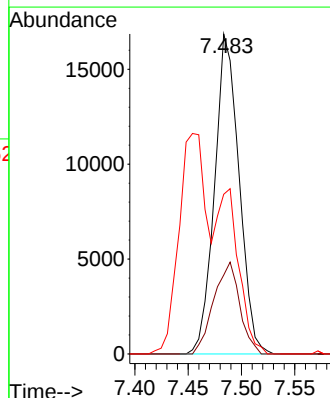
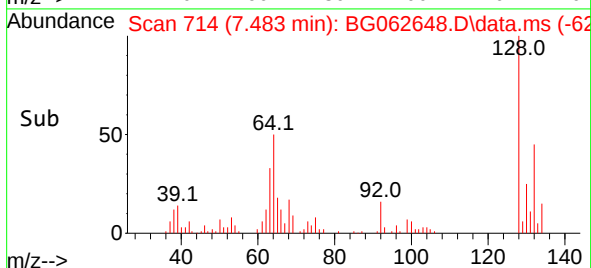


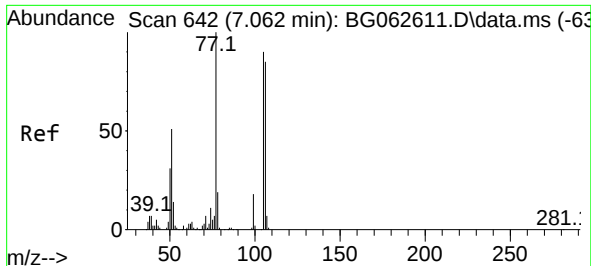
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2-Chlorophenol  
Concen: 9.217 ng  
RT: 7.483 min Scan# 714  
Delta R.T. -0.008 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22



Tgt Ion: 128 Resp: 26914

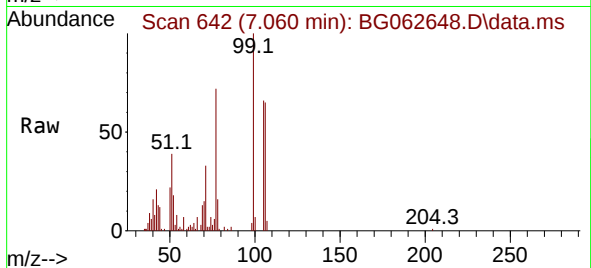
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 24.6  | 10.0  | 50.0  |
| 64  | 49.9  | 28.8  | 68.8  |



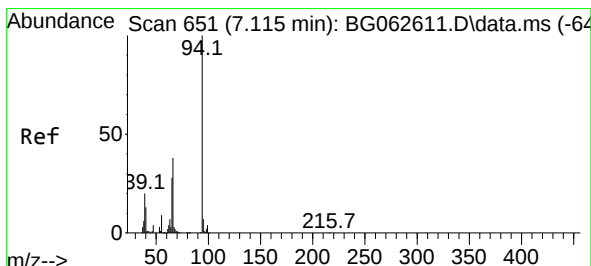
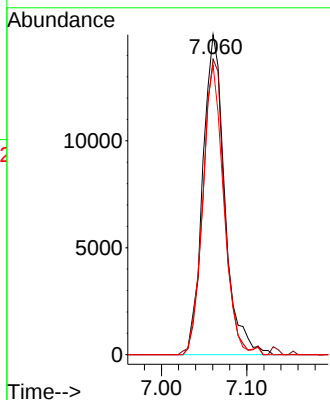
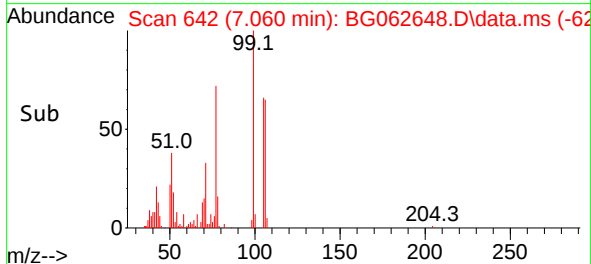


#9  
Benzaldehyde  
Concen: 11.715 ng  
RT: 7.060 min Scan# 642  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

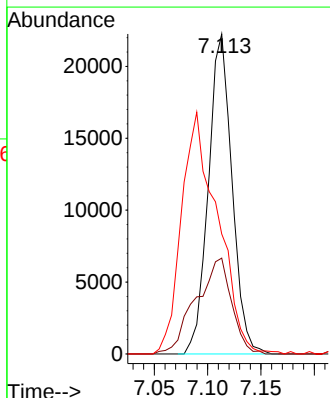
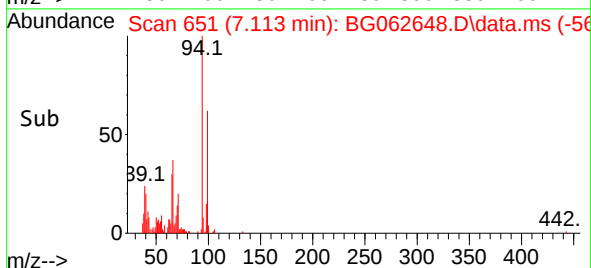
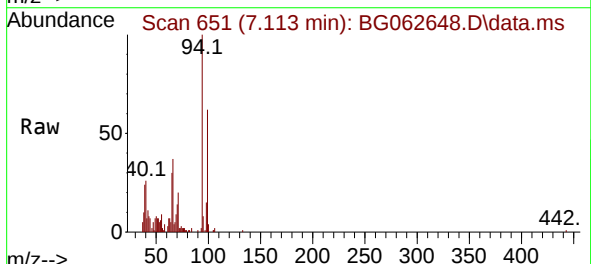


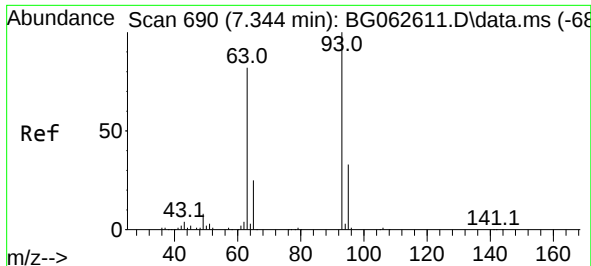
Tgt Ion: 77 Resp: 26775  
Ion Ratio Lower Upper  
77 100  
105 92.3 70.2 110.2  
106 90.5 65.4 105.4



#10  
Phenol  
Concen: 8.617 ng  
RT: 7.113 min Scan# 651  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

Tgt Ion: 94 Resp: 34275  
Ion Ratio Lower Upper  
94 100  
65 30.0 8.6 48.6  
66 37.5 18.2 58.2

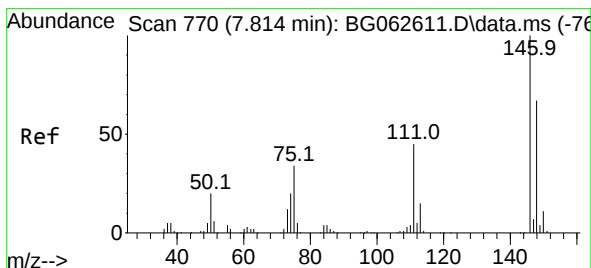
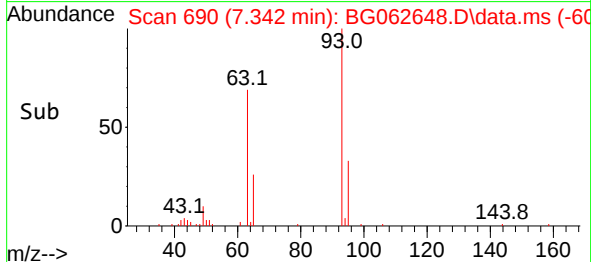
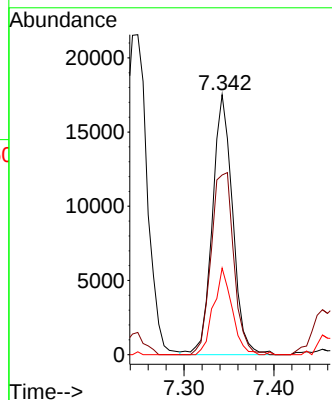
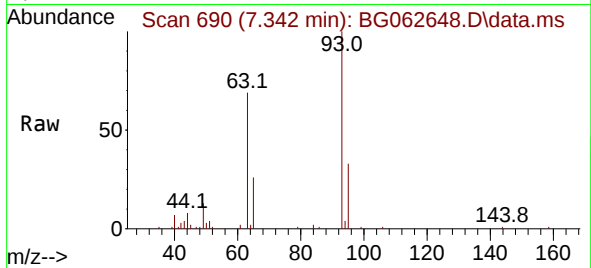




#11  
bis(2-Chloroethyl)ether  
Concen: 8.997 ng  
RT: 7.342 min Scan# 690  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

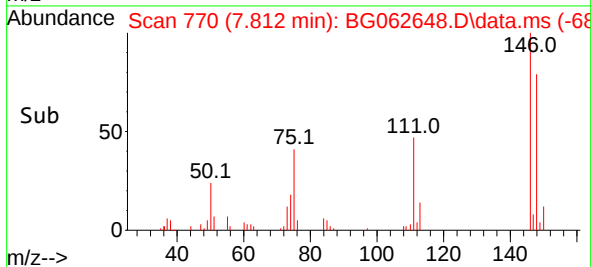
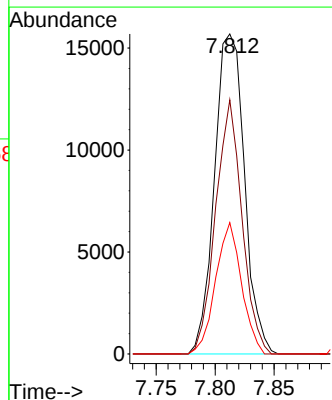
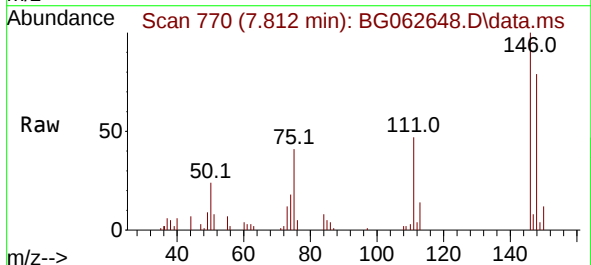
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

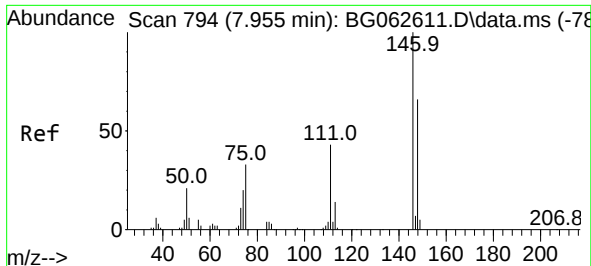
Tgt Ion: 93 Resp: 27400  
Ion Ratio Lower Upper  
93 100  
63 69.1 61.9 101.9  
95 33.3 12.9 52.9



#12  
1,3-Dichlorobenzene  
Concen: 8.653 ng m  
RT: 7.812 min Scan# 770  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

Tgt Ion:146 Resp: 27725  
Ion Ratio Lower Upper  
146 100  
148 79.4 53.9 80.9  
75 41.1 27.0 40.4#

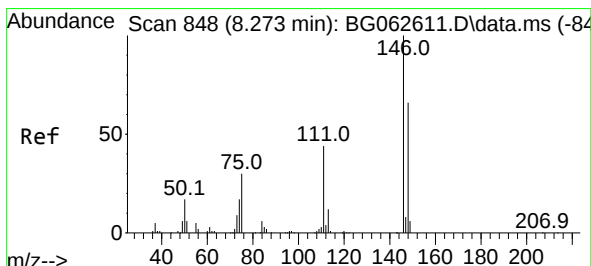
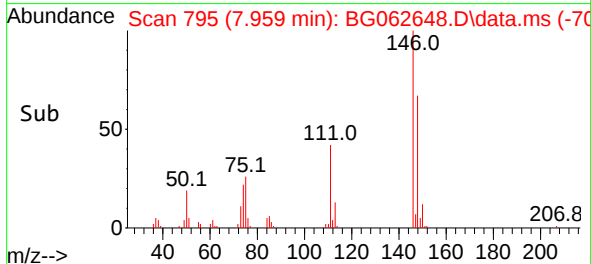
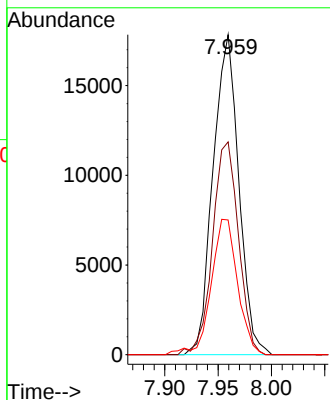
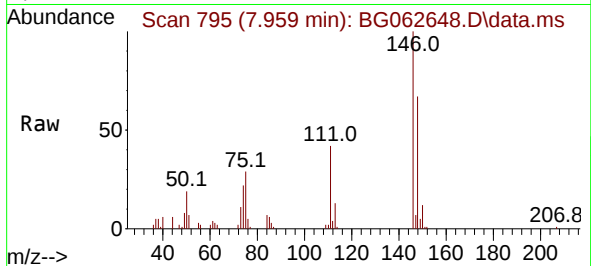




#13  
1,4-Dichlorobenzene  
Concen: 9.067 ng  
RT: 7.959 min Scan# 794  
Delta R.T. 0.004 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

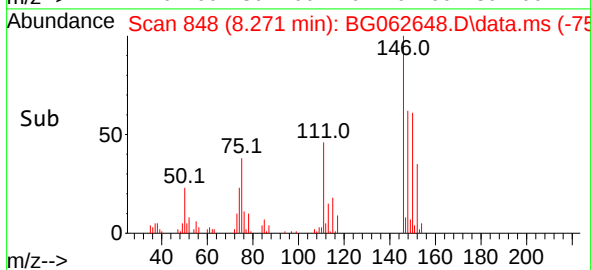
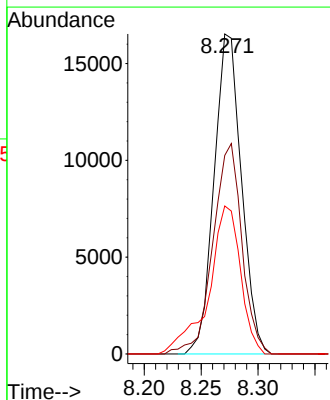
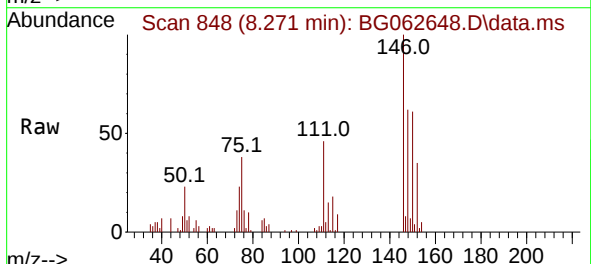
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

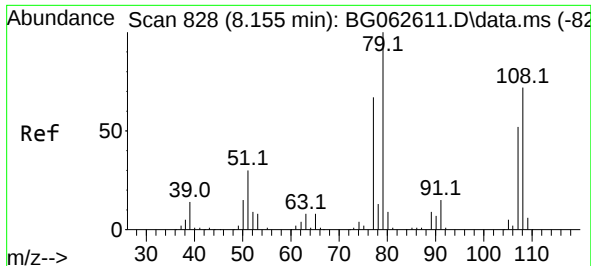
Tgt Ion:146 Resp: 29899  
Ion Ratio Lower Upper  
146 100  
148 66.5 53.0 79.6  
111 42.1 34.9 52.3



#14  
1,2-Dichlorobenzene  
Concen: 8.527 ng  
RT: 8.271 min Scan# 848  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

Tgt Ion:146 Resp: 27638  
Ion Ratio Lower Upper  
146 100  
148 62.1 52.5 78.7  
111 46.3 35.5 53.3

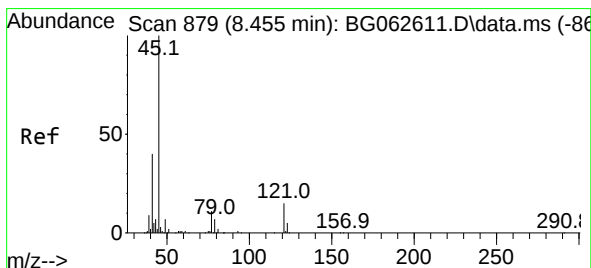
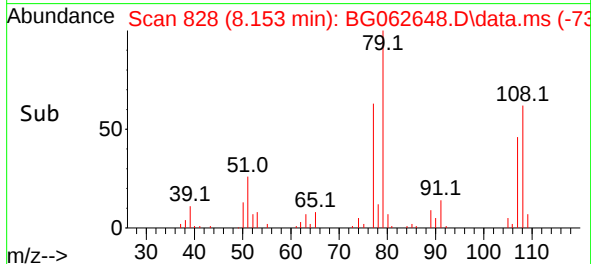
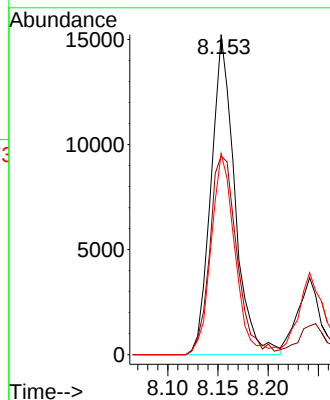
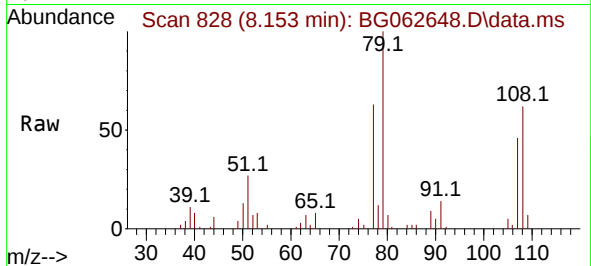




#15  
Benzyl Alcohol  
Concen: 8.607 ng  
RT: 8.153 min Scan# 81  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

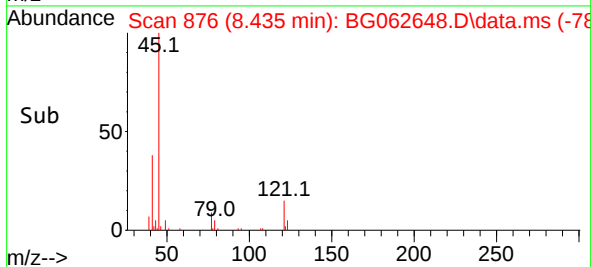
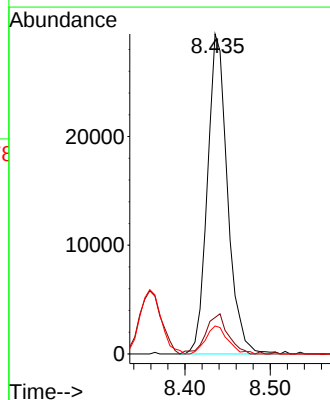
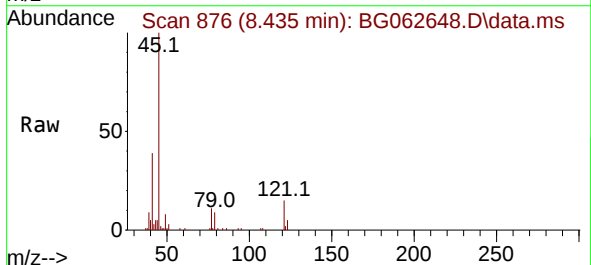
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

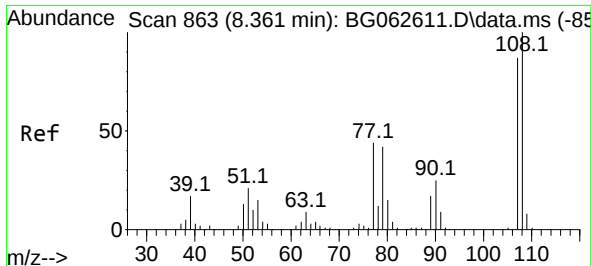
Tgt Ion: 79 Resp: 25021  
Ion Ratio Lower Upper  
79 100  
108 62.1 57.9 86.9  
77 62.9 53.4 80.2



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 8.302 ng  
RT: 8.435 min Scan# 876  
Delta R.T. -0.020 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

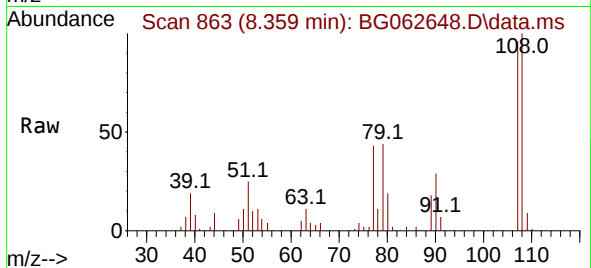
Tgt Ion: 45 Resp: 48184  
Ion Ratio Lower Upper  
45 100  
77 11.4 0.0 31.7  
79 8.7 0.0 28.3



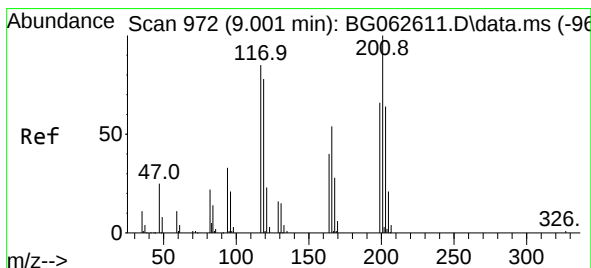
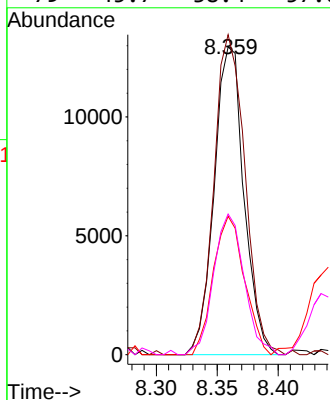
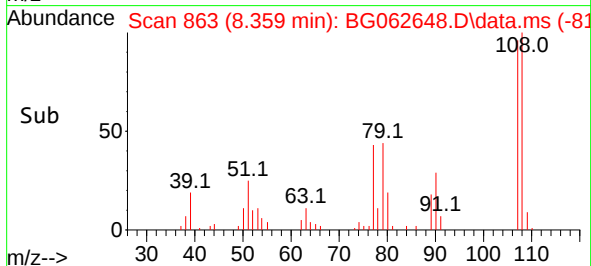


#17  
2-Methylphenol  
Concen: 7.954 ng  
RT: 8.359 min Scan# 80  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

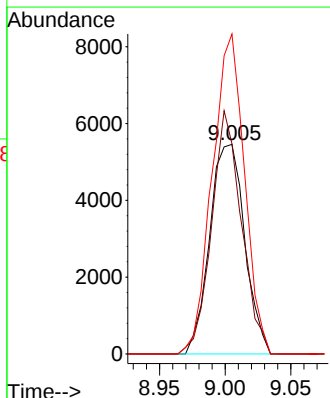
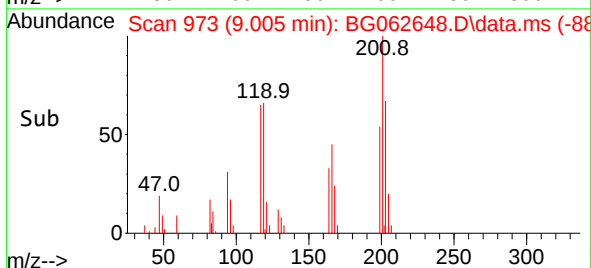
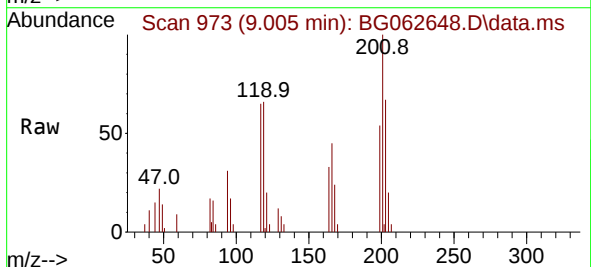


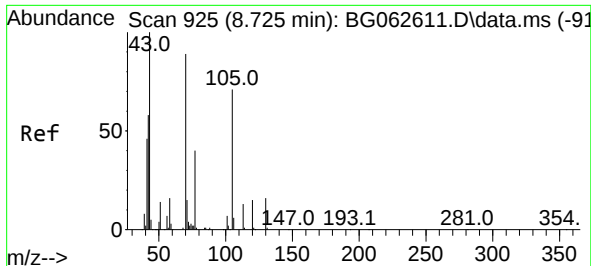
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 22052 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 104.0 | 91.5  | 137.3 |
| 77       | 45.0  | 40.0  | 60.0  |
| 79       | 45.7  | 38.4  | 57.6  |



#18  
Hexachloroethane  
Concen: 8.179 ng  
RT: 9.005 min Scan# 973  
Delta R.T. 0.004 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 10113 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 100.2 | 73.4  | 110.0 |
| 201      | 152.7 | 93.9  | 140.9 |

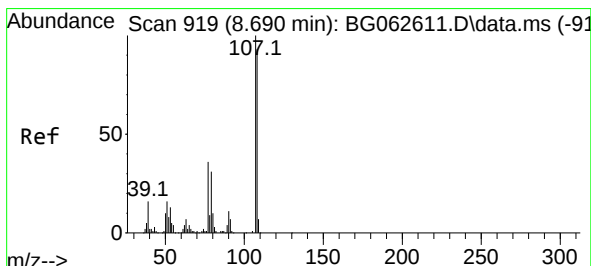
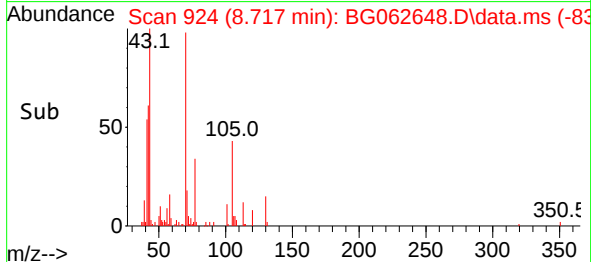
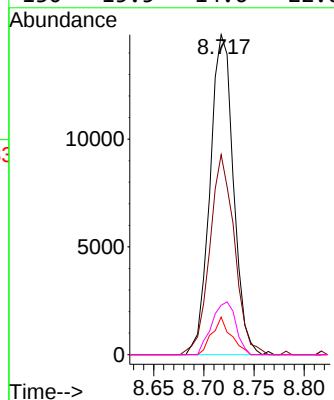
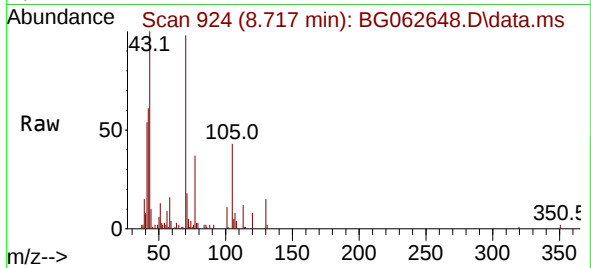




#19  
n-Nitroso-di-n-propylamine  
Concen: 7.795 ng  
RT: 8.717 min Scan# 918  
Delta R.T. -0.008 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

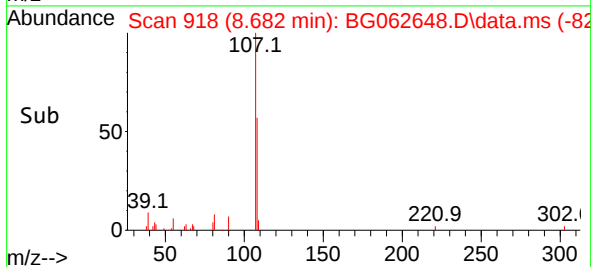
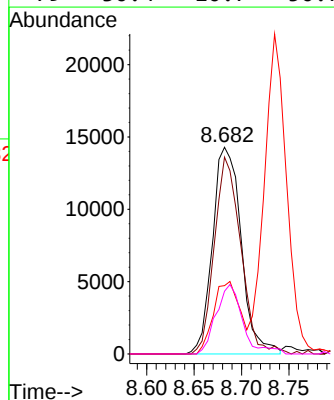
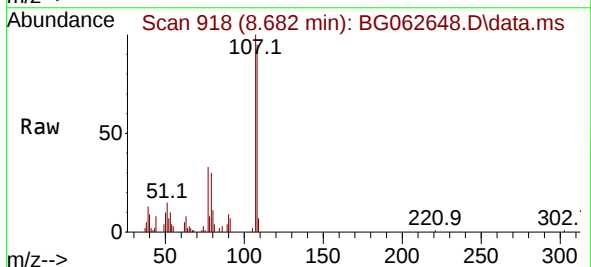
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

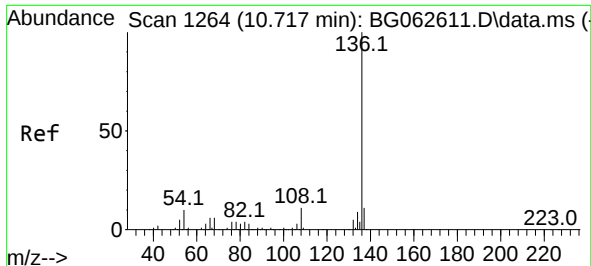
Tgt Ion: 70 Resp: 24134  
Ion Ratio Lower Upper  
70 100  
42 62.5 52.3 78.5  
101 11.8 6.6 9.8#  
130 15.5 14.6 22.0



#20  
3+4-Methylphenols  
Concen: 7.339 ng  
RT: 8.682 min Scan# 918  
Delta R.T. -0.008 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

Tgt Ion: 107 Resp: 30019  
Ion Ratio Lower Upper  
107 100  
108 95.2 72.7 112.7  
77 33.0 16.5 56.5  
79 30.4 10.7 50.7

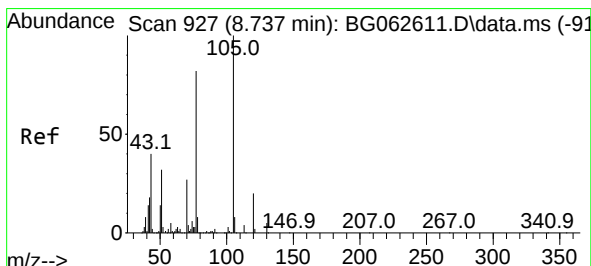
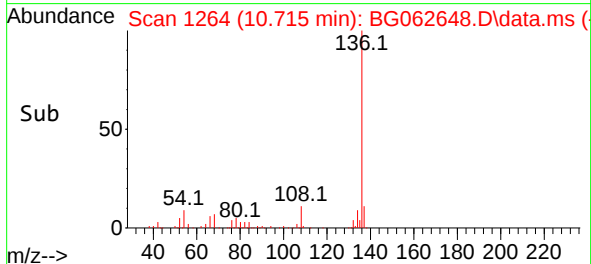
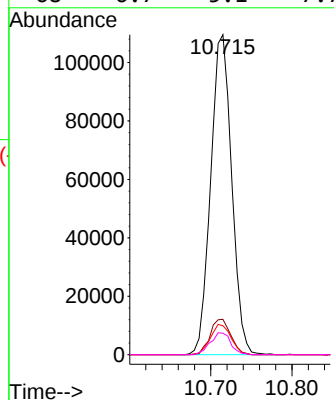
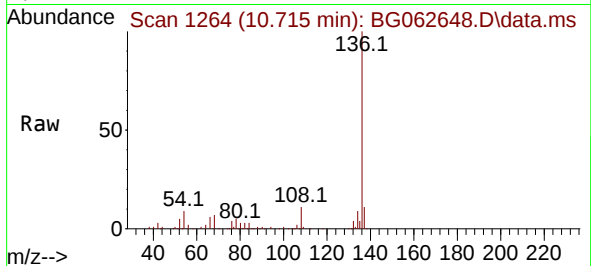




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.715 min Scan# 1264  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

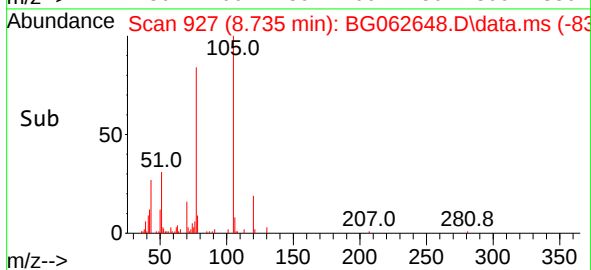
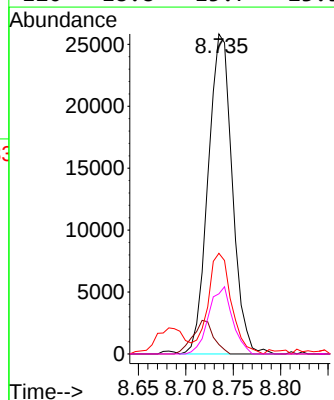
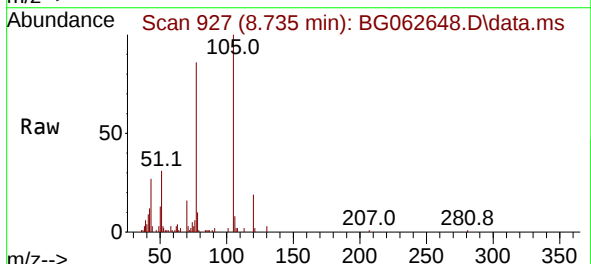
Instrument : BNA\_G  
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

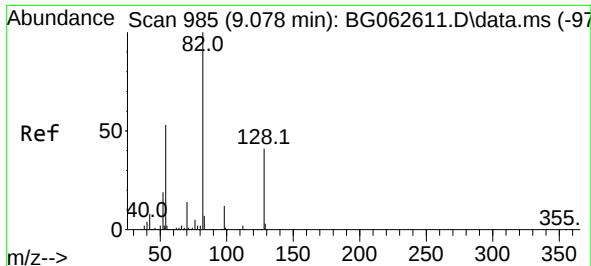
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 196476 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.0  | 9.0   | 13.4   |
| 54        | 9.0   | 7.8   | 11.6   |
| 68        | 6.7   | 5.1   | 7.7    |



#22  
Acetophenone  
Concen: 8.622 ng  
RT: 8.735 min Scan# 927  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 45698 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 71        | 2.9   | 3.5   | 5.3#  |
| 51        | 31.4  | 25.7  | 38.5  |
| 120       | 18.8  | 15.7  | 23.5  |

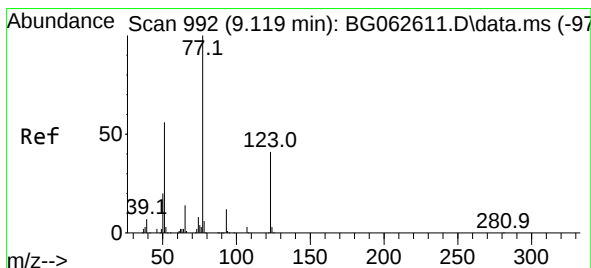
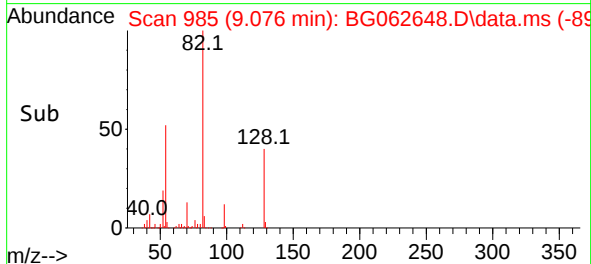
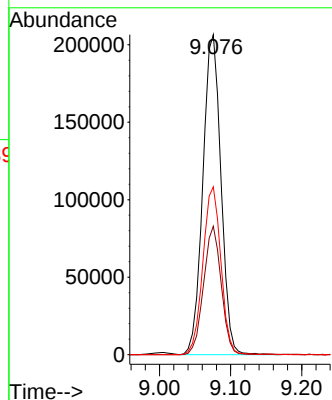
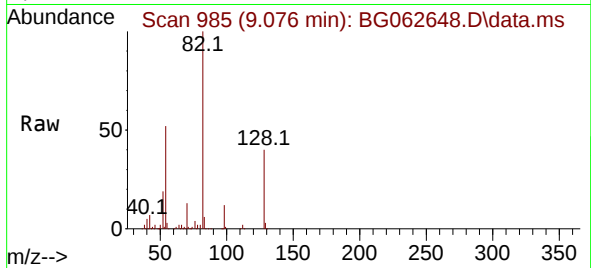




#23  
Nitrobenzene-d5  
Concen: 100.527 ng  
RT: 9.076 min Scan# 91  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

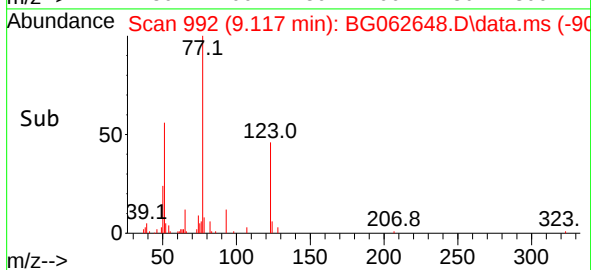
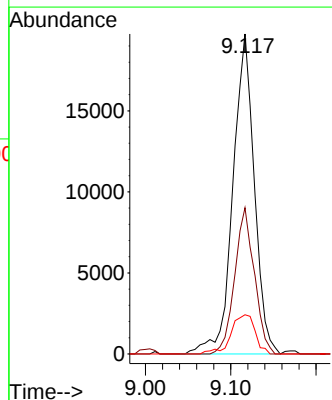
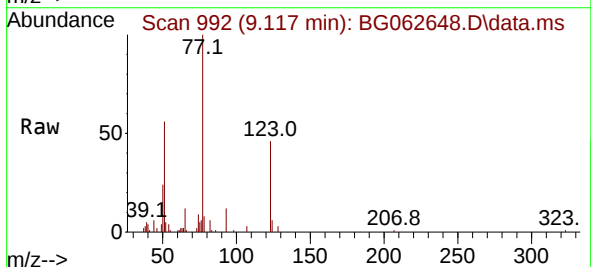
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

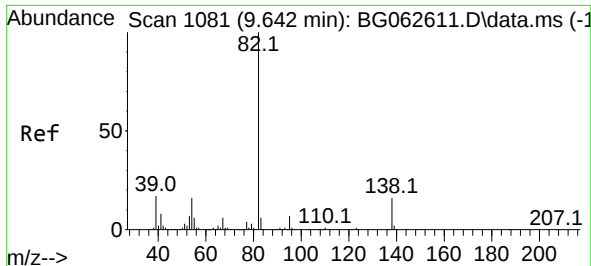
Tgt Ion: 82 Resp: 366737  
Ion Ratio Lower Upper  
82 100  
128 40.2 32.5 48.7  
54 52.5 42.5 63.7



#24  
Nitrobenzene  
Concen: 8.880 ng  
RT: 9.117 min Scan# 992  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

Tgt Ion: 77 Resp: 34443  
Ion Ratio Lower Upper  
77 100  
123 45.7 33.1 49.7  
65 12.2 11.0 16.4

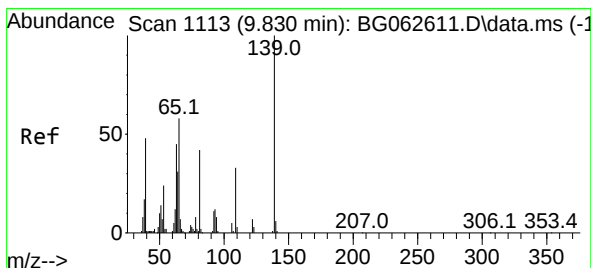
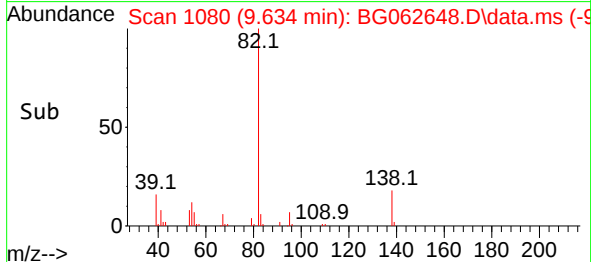
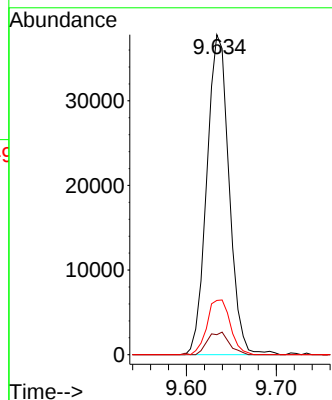
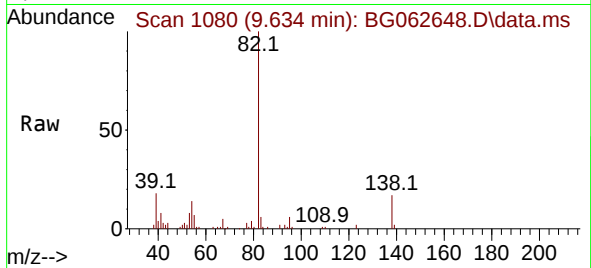




#25  
Isophorone  
Concen: 8.126 ng  
RT: 9.634 min Scan# 1080  
Delta R.T. -0.008 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

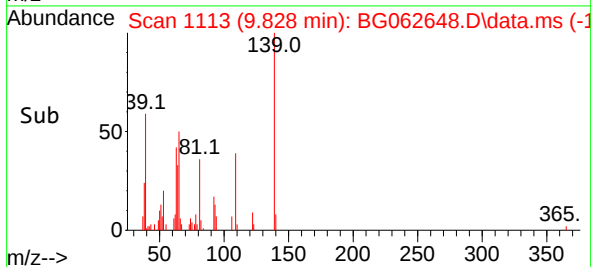
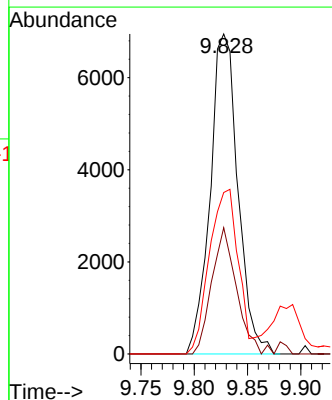
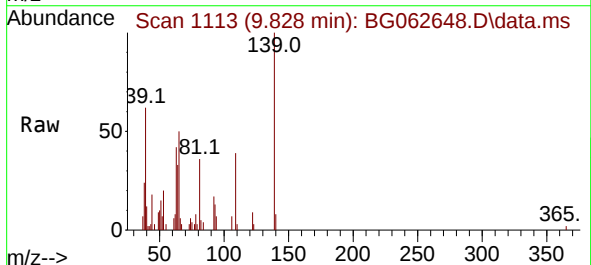
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

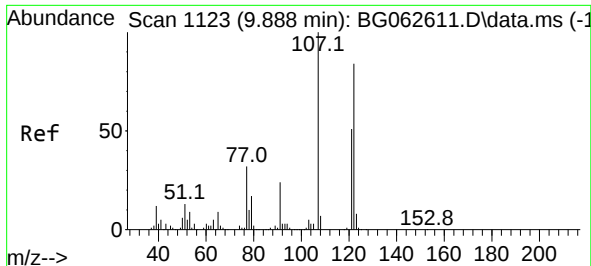
Tgt Ion: 82 Resp: 65076  
Ion Ratio Lower Upper  
82 100  
95 6.3 5.4 8.0  
138 17.0 12.6 18.8



#26  
2-Nitrophenol  
Concen: 8.597 ng  
RT: 9.828 min Scan# 1113  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

Tgt Ion: 139 Resp: 12600  
Ion Ratio Lower Upper  
139 100  
109 39.5 26.6 39.8  
65 50.4 46.5 69.7





#27

2,4-Dimethylphenol

Concen: 7.899 ng

RT: 9.886 min Scan# 1123

Delta R.T. -0.002 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

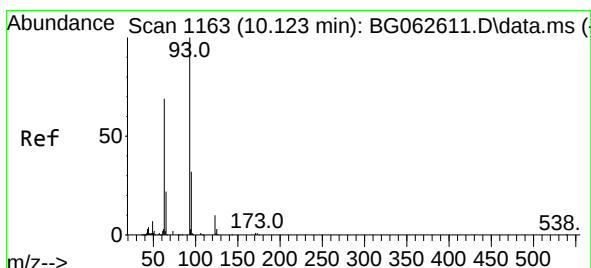
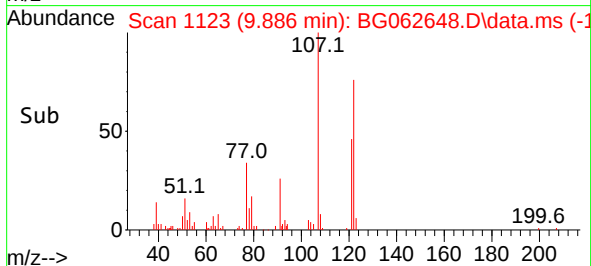
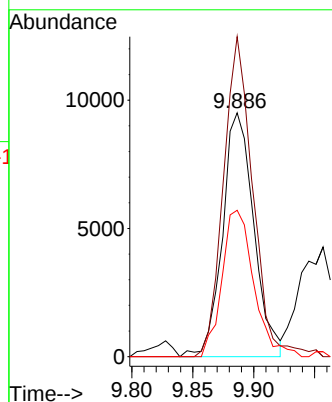
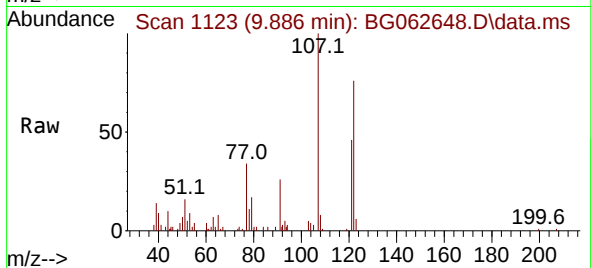
Tgt Ion:122 Resp: 16964

Ion Ratio Lower Upper

122 100

107 131.2 95.8 143.6

121 60.0 48.6 72.8



#28

bis(2-Chloroethoxy)methane

Concen: 8.837 ng

RT: 10.121 min Scan# 1163

Delta R.T. -0.002 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

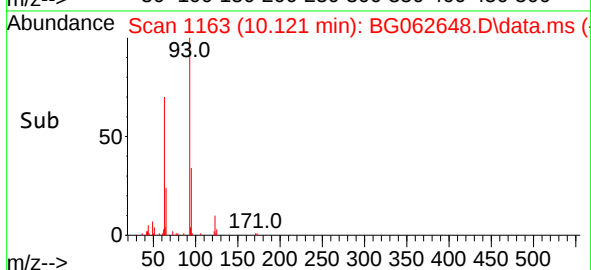
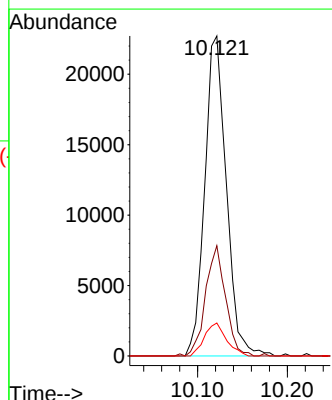
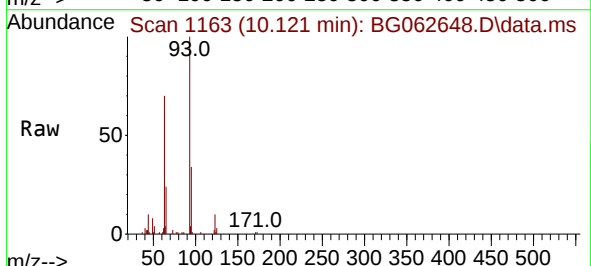
Tgt Ion: 93 Resp: 37882

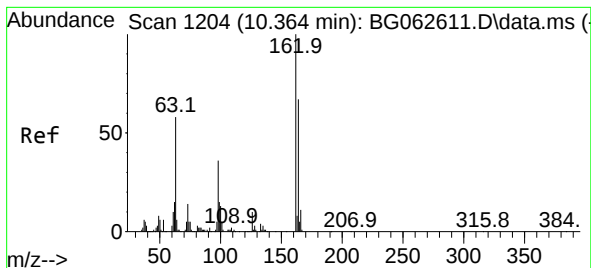
Ion Ratio Lower Upper

93 100

95 34.4 25.4 38.0

123 10.3 7.9 11.9





#29

2,4-Dichlorophenol

Concen: 8.840 ng

RT: 10.356 min Scan# 1

Delta R.T. -0.008 min

Lab File: BG062648.D

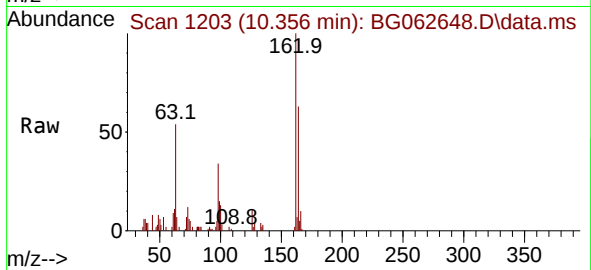
Acq: 4 Sep 2024 18:22

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



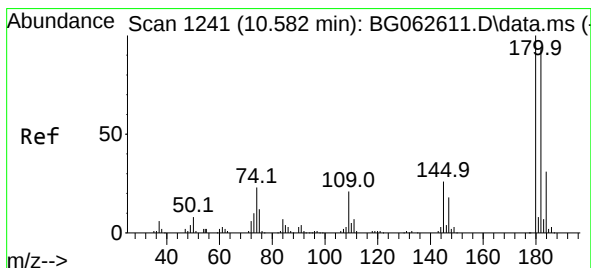
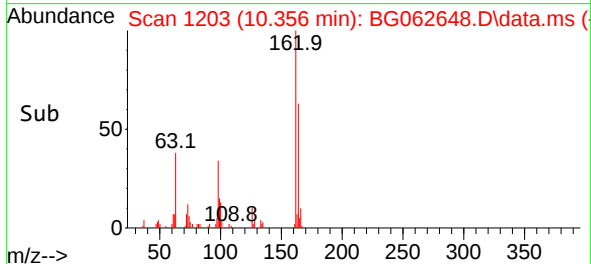
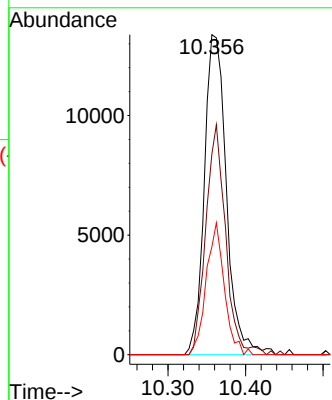
Tgt Ion:162 Resp: 26542

Ion Ratio Lower Upper

162 100

164 62.7 46.8 86.8

98 33.7 16.4 56.4



#30

1,2,4-Trichlorobenzene

Concen: 9.216 ng

RT: 10.574 min Scan# 1240

Delta R.T. -0.008 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

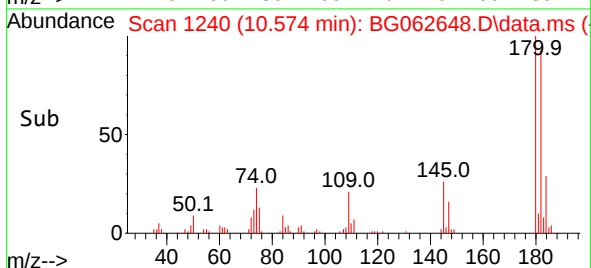
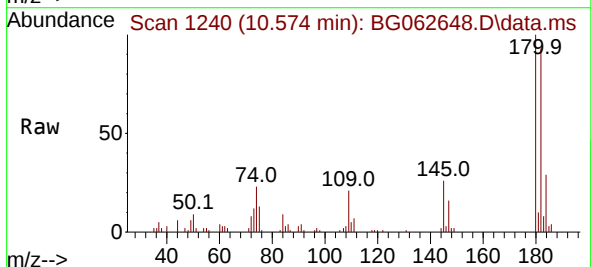
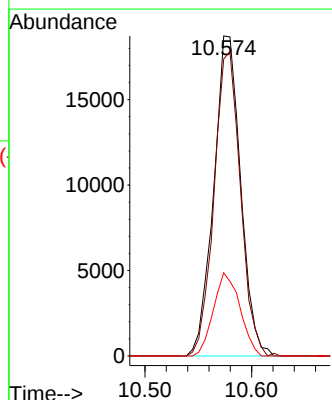
Tgt Ion:180 Resp: 32804

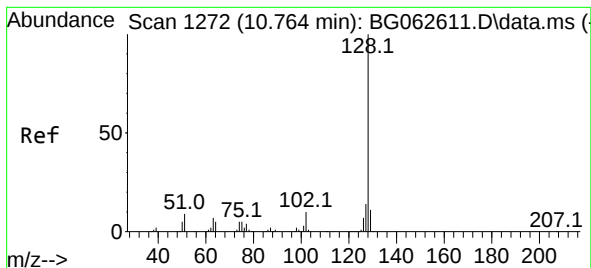
Ion Ratio Lower Upper

180 100

182 92.8 75.1 112.7

145 26.0 20.8 31.2

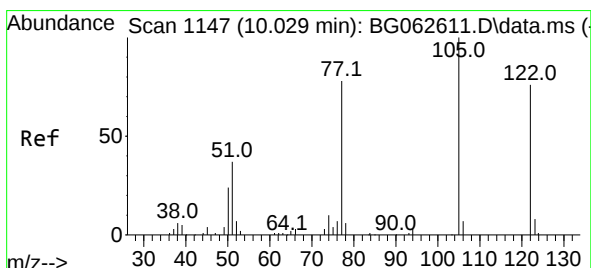
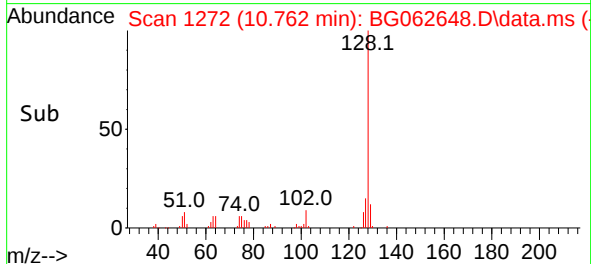
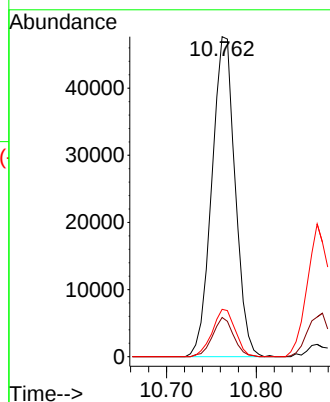
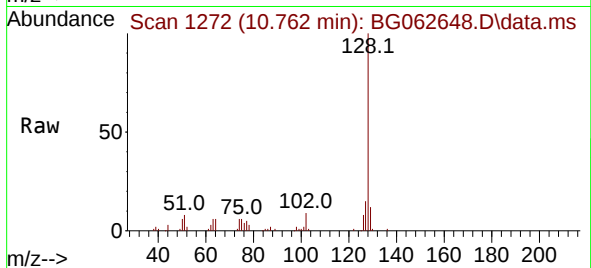




#31  
Naphthalene  
Concen: 8.812 ng  
RT: 10.762 min Scan# 1135  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

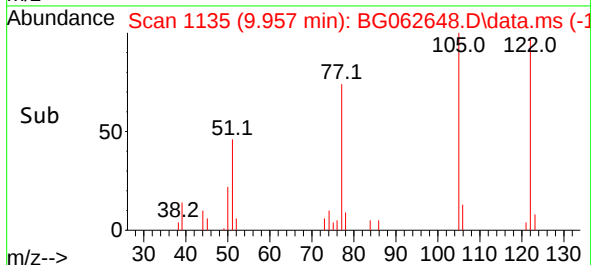
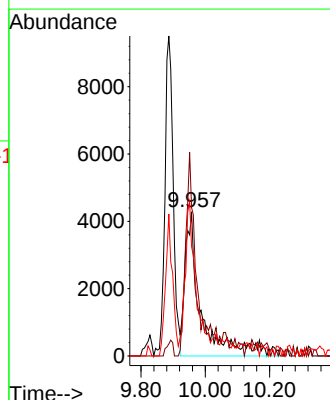
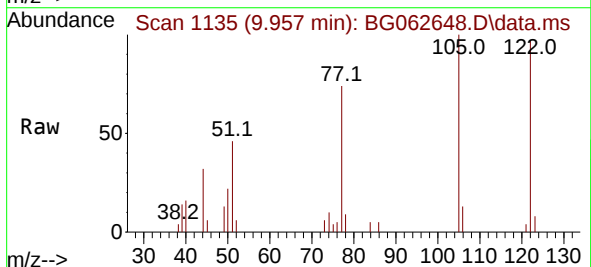
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

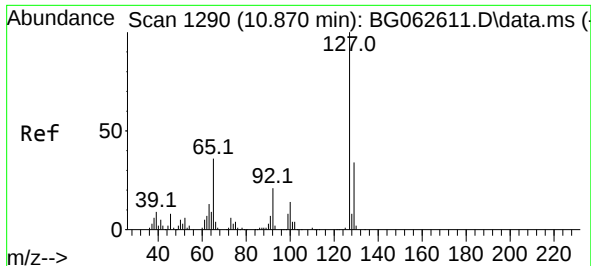
Tgt Ion:128 Resp: 85812  
Ion Ratio Lower Upper  
128 100  
129 12.3 8.8 13.2  
127 14.8 11.3 16.9



#32  
Benzoic acid  
Concen: 6.415 ng m  
RT: 9.957 min Scan# 1135  
Delta R.T. -0.072 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

Tgt Ion:122 Resp: 14817  
Ion Ratio Lower Upper  
122 100  
105 103.0 105.7 145.7#  
77 75.9 79.9 119.9#

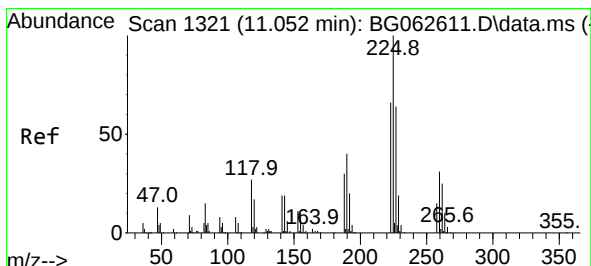
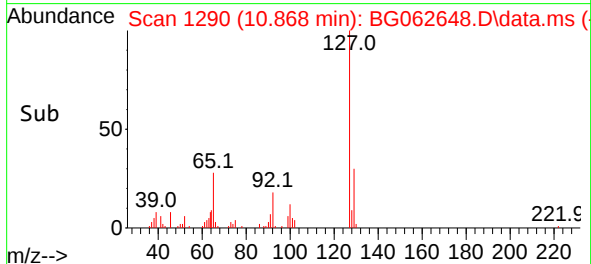
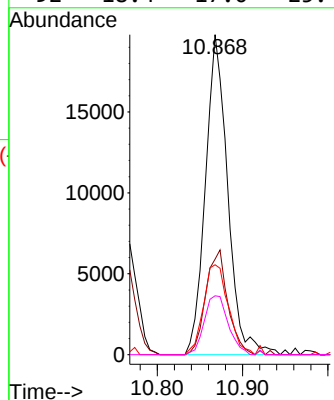
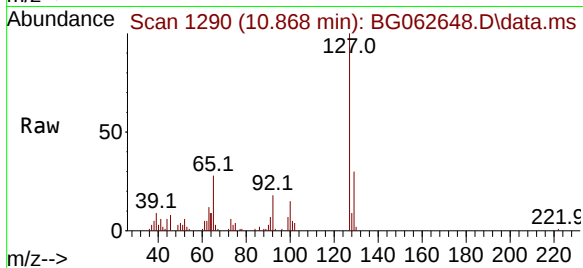




#33  
4-Chloroaniline  
Concen: 9.362 ng  
RT: 10.868 min Scan# 1290  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

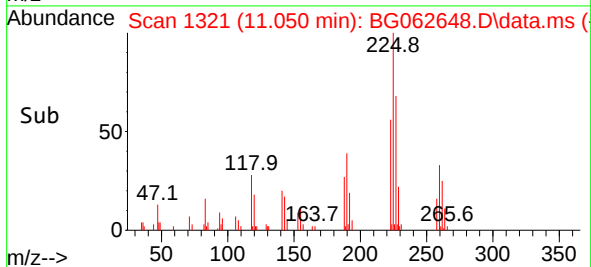
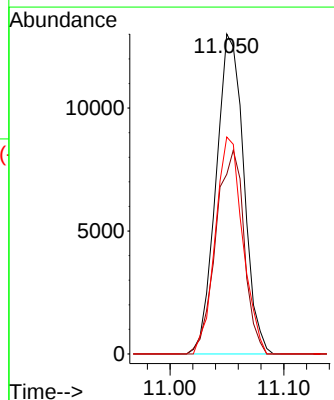
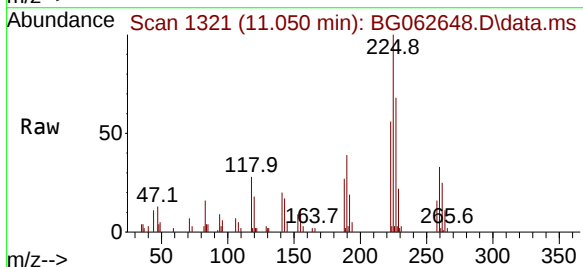
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

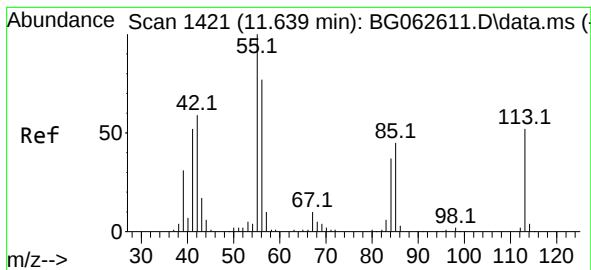
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:127 | Resp: | 35879 |       |
| Ion         | Ratio | Lower | Upper |
| 127         | 100   |       |       |
| 129         | 29.9  | 27.3  | 40.9  |
| 65          | 28.1  | 29.0  | 43.4# |
| 92          | 18.4  | 17.0  | 25.4  |



#34  
Hexachlorobutadiene  
Concen: 8.857 ng  
RT: 11.050 min Scan# 1321  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:225 | Resp: | 22019 |       |
| Ion         | Ratio | Lower | Upper |
| 225         | 100   |       |       |
| 223         | 57.8  | 50.1  | 75.1  |
| 227         | 65.9  | 48.9  | 73.3  |





#35

Caprolactam

Concen: 8.004 ng

RT: 11.608 min Scan# 1416

Delta R.T. -0.031 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

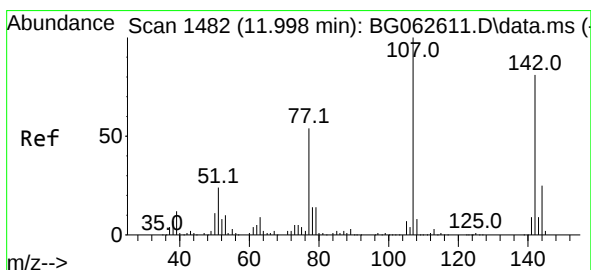
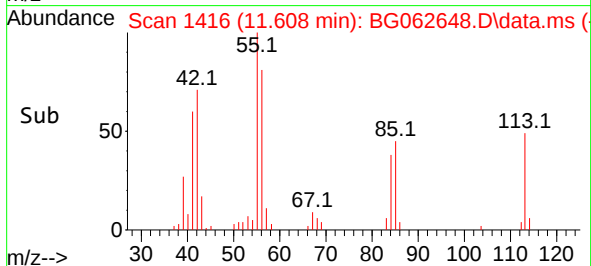
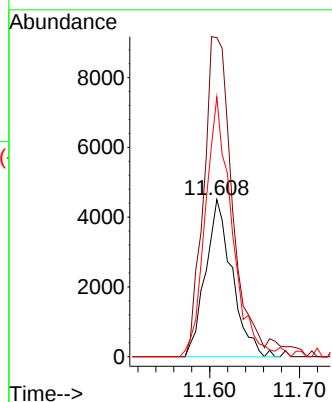
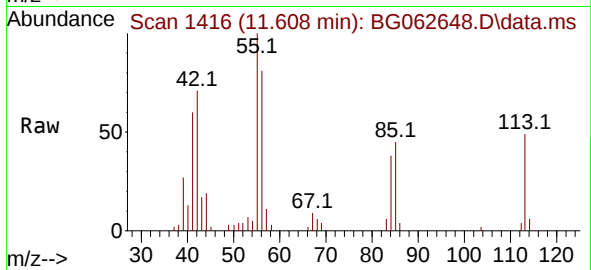
Tgt Ion:113 Resp: 9265

Ion Ratio Lower Upper

113 100

55 203.0 174.1 214.1

56 165.3 129.8 169.8



#36

4-Chloro-3-methylphenol

Concen: 7.992 ng

RT: 11.996 min Scan# 1482

Delta R.T. -0.002 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

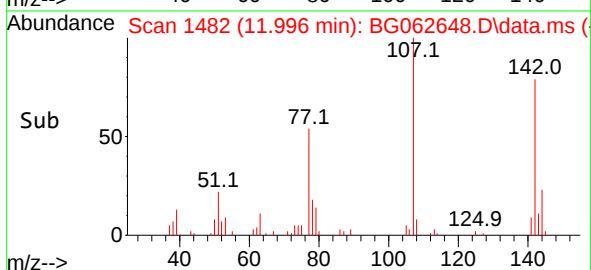
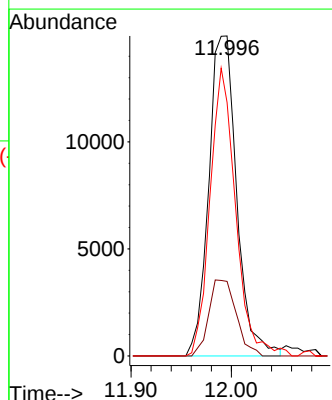
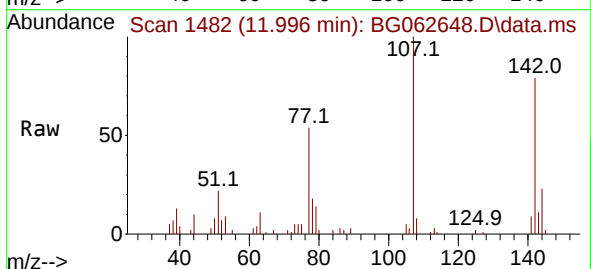
Tgt Ion:107 Resp: 28945

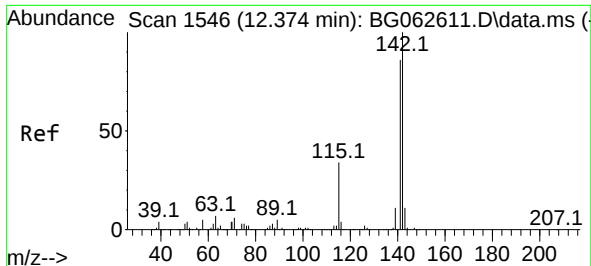
Ion Ratio Lower Upper

107 100

144 23.3 19.8 29.8

142 79.2 64.7 97.1





#37

2-Methylnaphthalene

Concen: 8.510 ng

RT: 12.372 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

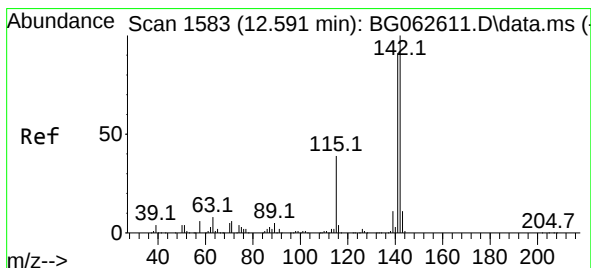
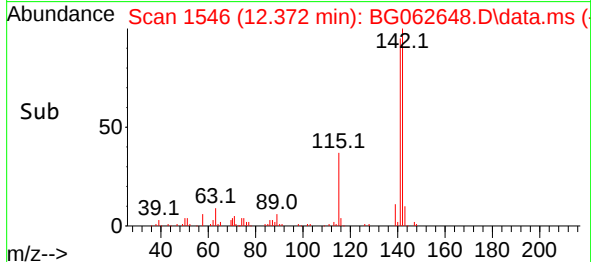
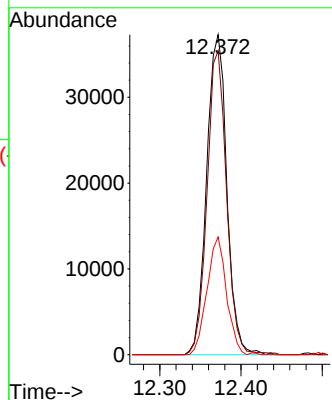
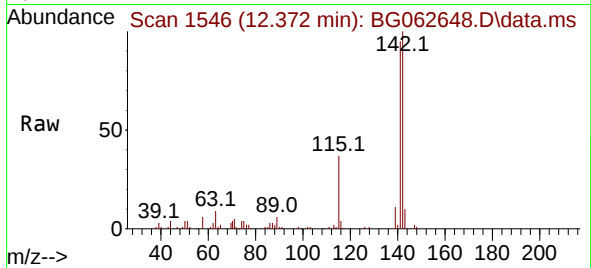
Tgt Ion:142 Resp: 64280

Ion Ratio Lower Upper

142 100

141 95.0 68.9 103.3

115 36.8 27.5 41.3



#38

1-Methylnaphthalene

Concen: 8.326 ng

RT: 12.589 min Scan# 1583

Delta R.T. -0.002 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

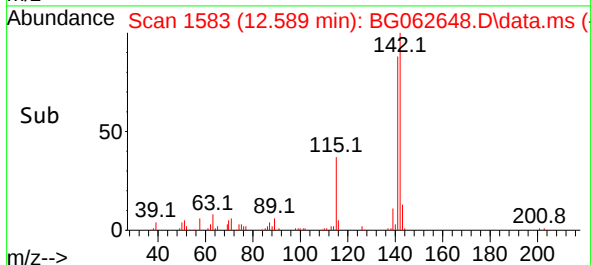
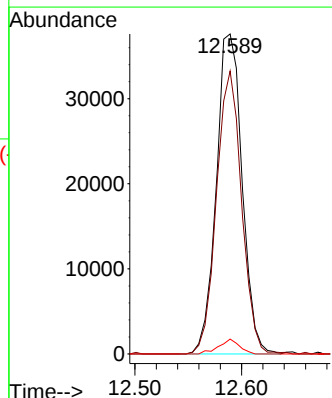
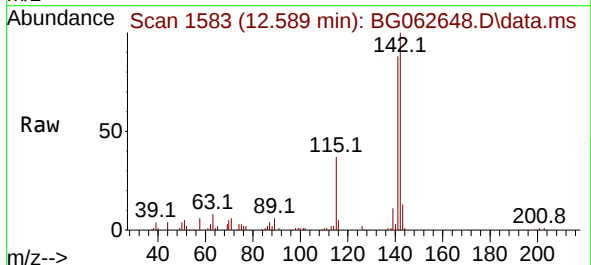
Tgt Ion:142 Resp: 63151

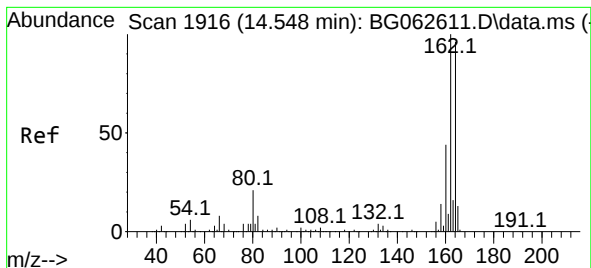
Ion Ratio Lower Upper

142 100

141 88.4 73.0 109.4

116 4.7 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.546 min Scan# 1916

Delta R.T. -0.002 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

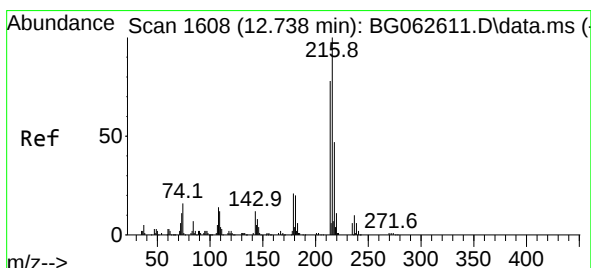
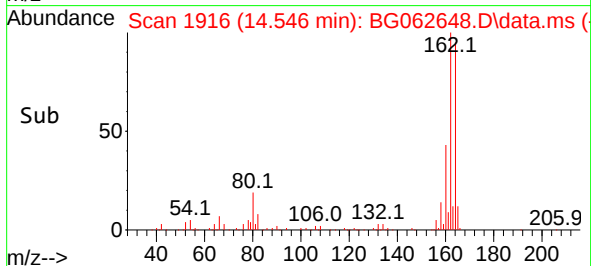
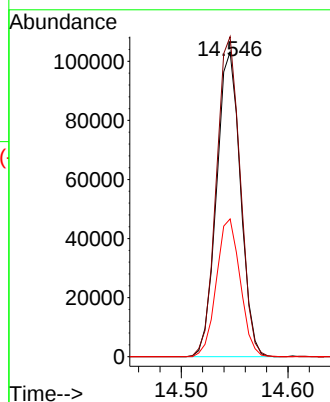
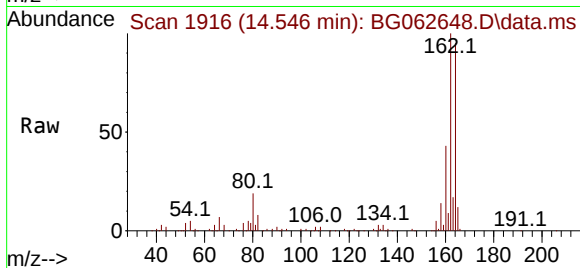
Tgt Ion:164 Resp: 160234

Ion Ratio Lower Upper

164 100

162 105.0 83.1 124.7

160 45.2 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.091 ng

RT: 12.736 min Scan# 1608

Delta R.T. -0.002 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

Tgt Ion:216 Resp: 43806

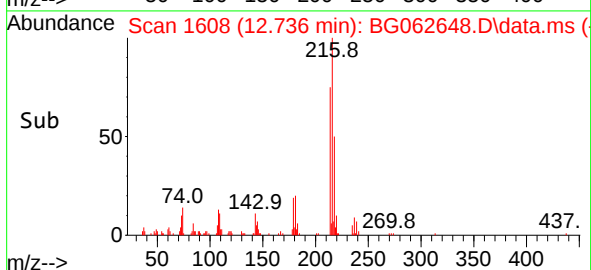
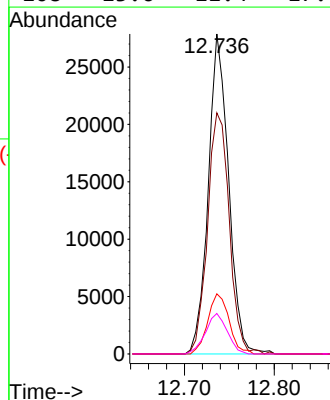
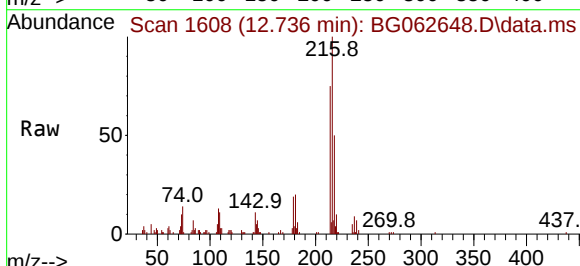
Ion Ratio Lower Upper

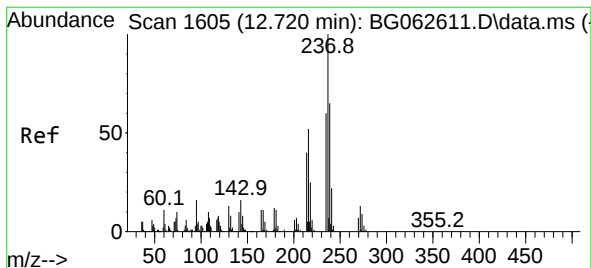
216 100

214 80.4 61.6 92.4

179 19.8 15.9 23.9

108 13.6 11.4 17.0





#41

Hexachlorocyclopentadiene

Concen: 9.154 ng

RT: 12.718 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

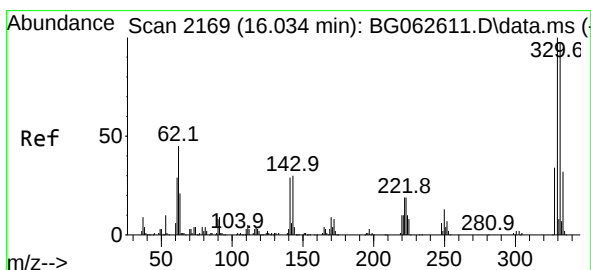
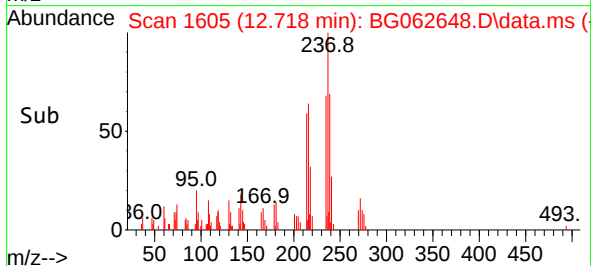
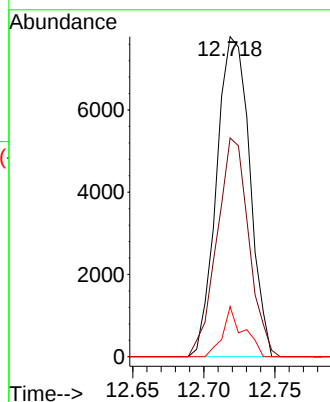
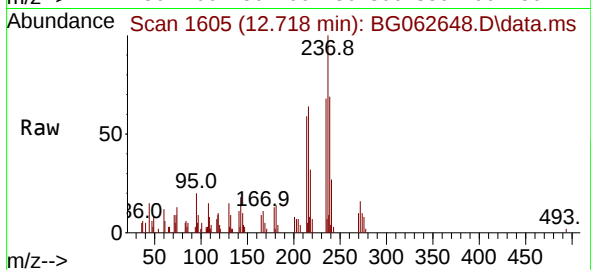
Tgt Ion:237 Resp: 12586

Ion Ratio Lower Upper

237 100

235 68.3 40.4 80.4

272 15.7 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 152.151 ng

RT: 16.032 min Scan# 2169

Delta R.T. -0.002 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

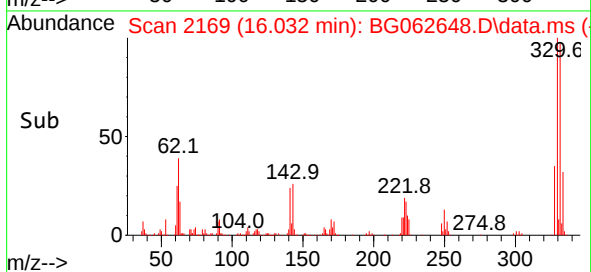
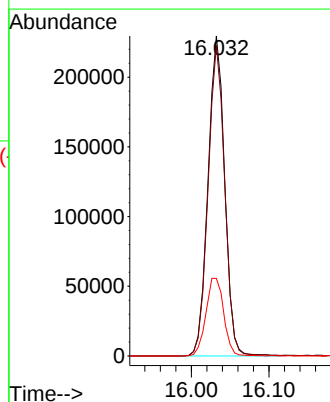
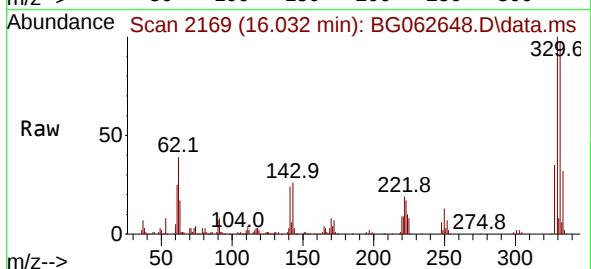
Tgt Ion:330 Resp: 343100

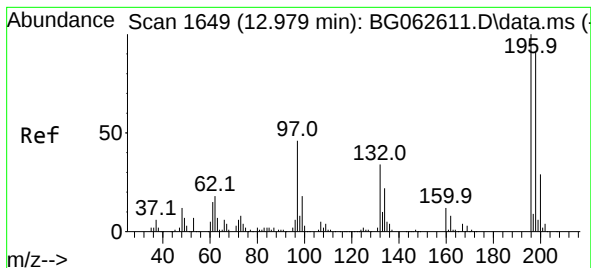
Ion Ratio Lower Upper

330 100

332 96.7 77.2 115.8

141 25.9 22.2 33.4





#43

2,4,6-Trichlorophenol

Concen: 8.839 ng

RT: 12.977 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

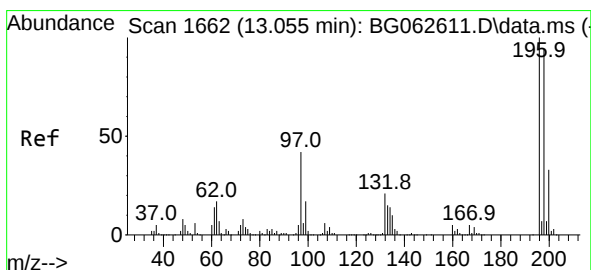
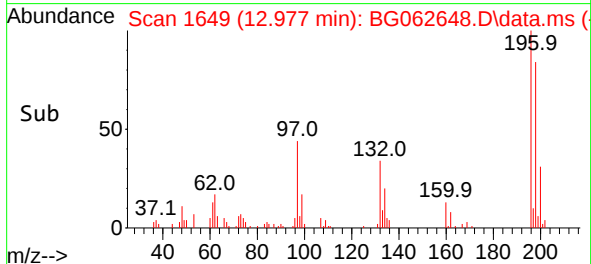
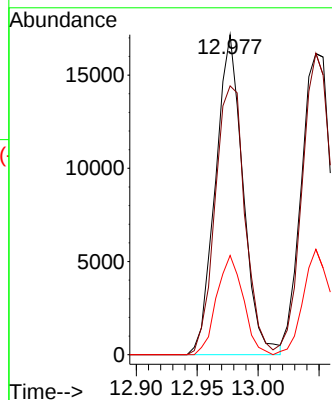
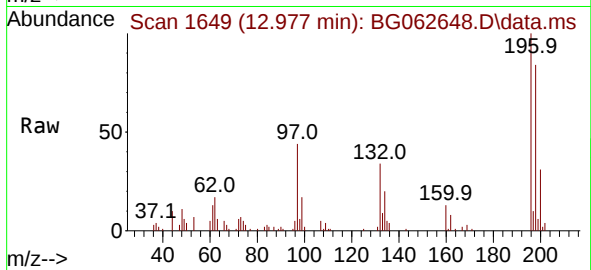
Tgt Ion:196 Resp: 27001

Ion Ratio Lower Upper

196 100

198 84.0 72.8 109.2

200 31.0 23.5 35.3



#44

2,4,5-Trichlorophenol

Concen: 8.523 ng

RT: 13.047 min Scan# 1661

Delta R.T. -0.008 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

Tgt Ion:196 Resp: 29485

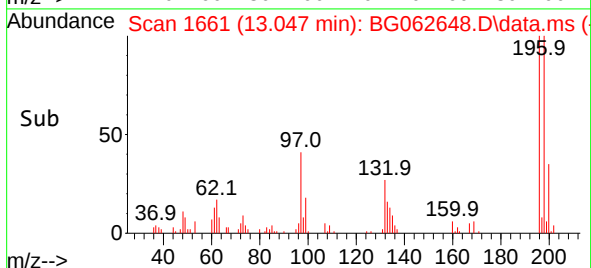
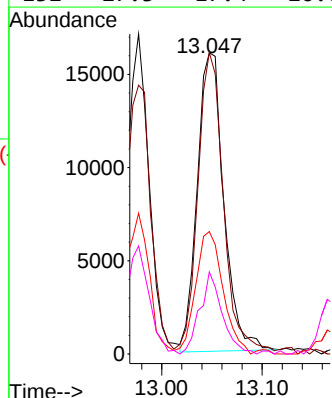
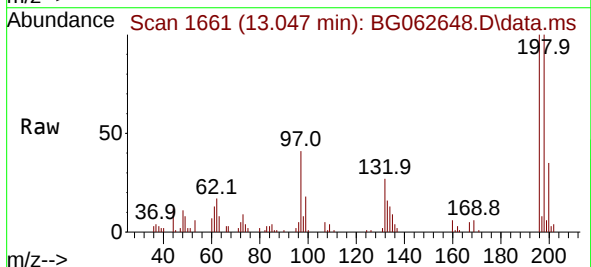
Ion Ratio Lower Upper

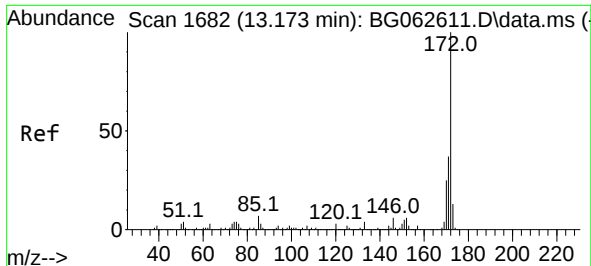
196 100

198 100.1 75.5 113.3

97 40.6 34.1 51.1

132 27.3 17.4 26.0#

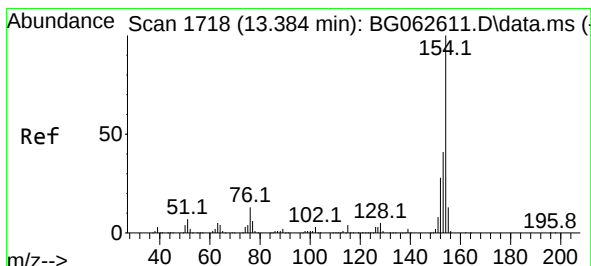
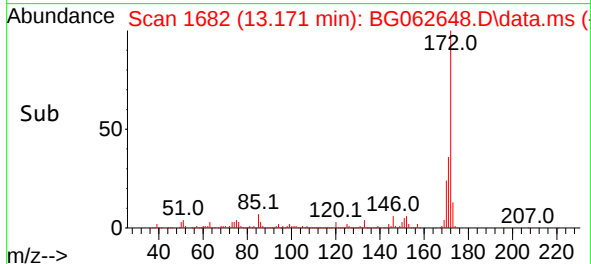
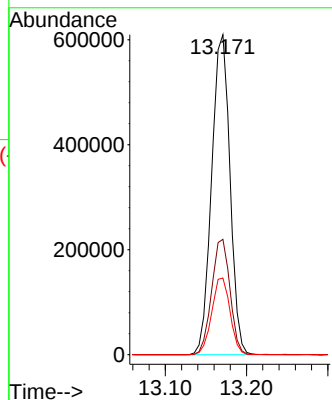
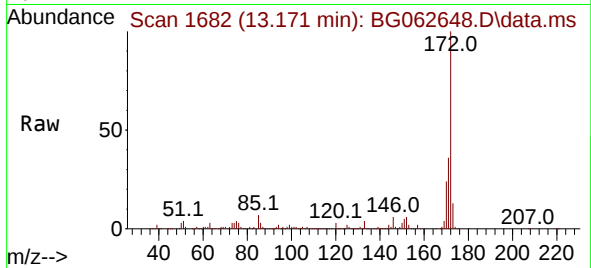




#45  
2-Fluorobiphenyl  
Concen: 96.514 ng  
RT: 13.171 min Scan# 1  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

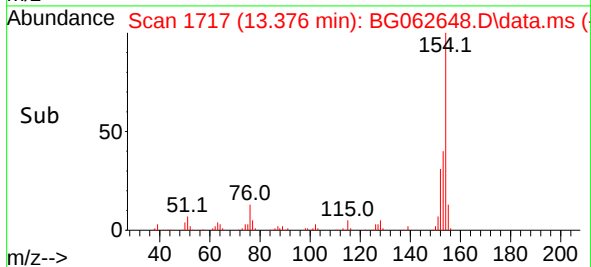
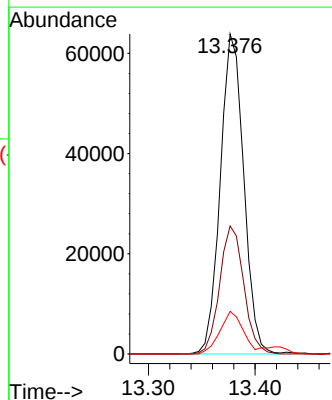
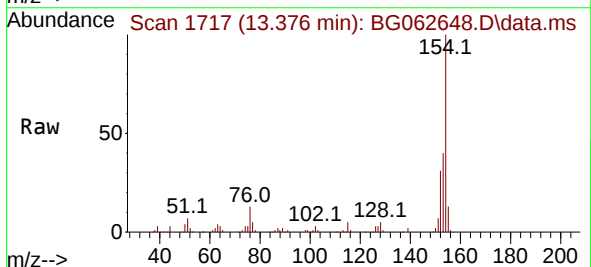
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

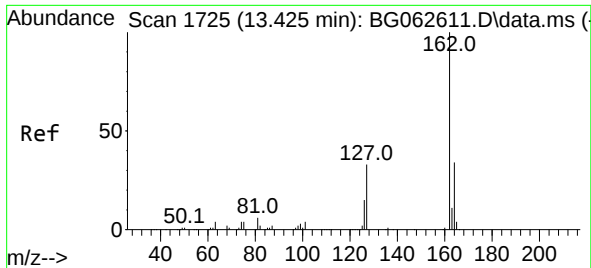
Tgt Ion:172 Resp: 954742  
Ion Ratio Lower Upper  
172 100  
171 36.1 29.7 44.5  
170 23.9 20.0 30.0



#46  
1,1'-Biphenyl  
Concen: 9.111 ng  
RT: 13.376 min Scan# 1717  
Delta R.T. -0.008 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

Tgt Ion:154 Resp: 97397  
Ion Ratio Lower Upper  
154 100  
153 40.0 20.8 60.8  
76 13.3 0.0 33.4

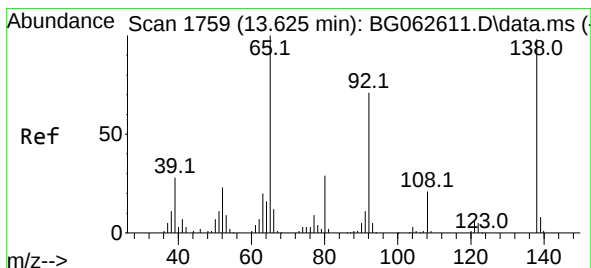
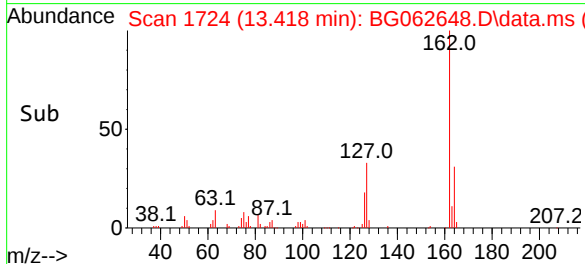
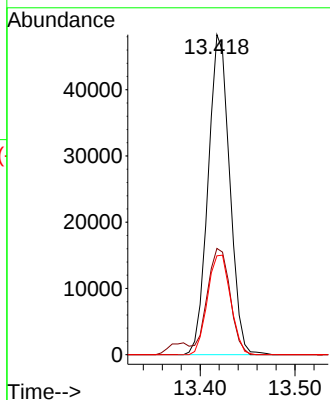
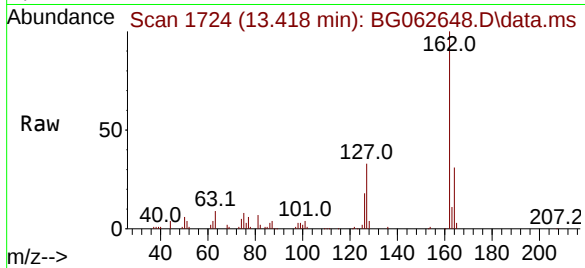




#47  
2-Chloronaphthalene  
Concen: 8.797 ng  
RT: 13.418 min Scan# 1724  
Delta R.T. -0.008 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

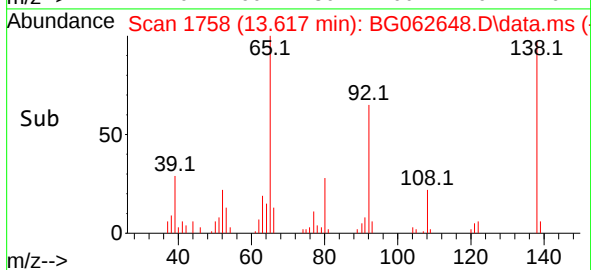
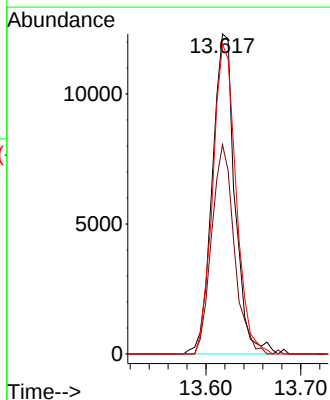
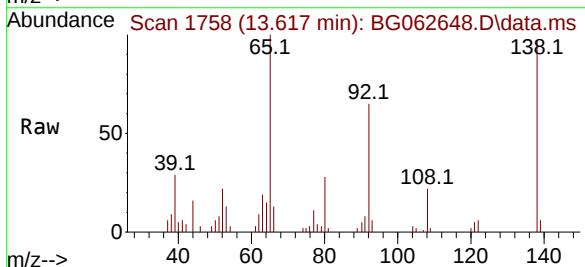
Instrument : BNA\_G  
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

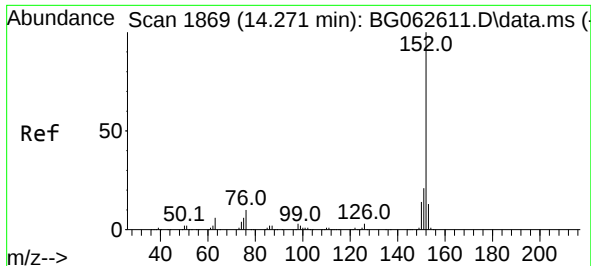
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:162 | Resp: | 76213     |
| Ion Ratio   | Lower | Upper     |
| 162         | 100   |           |
| 127         | 33.2  | 28.7 43.1 |
| 164         | 30.9  | 26.9 40.3 |



#48  
2-Nitroaniline  
Concen: 8.960 ng  
RT: 13.617 min Scan# 1758  
Delta R.T. -0.008 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 65 | Resp: | 20418      |
| Ion Ratio   | Lower | Upper      |
| 65          | 100   |            |
| 92          | 65.5  | 56.6 84.8  |
| 138         | 96.8  | 78.7 118.1 |

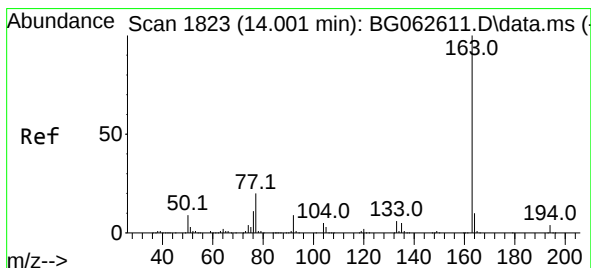
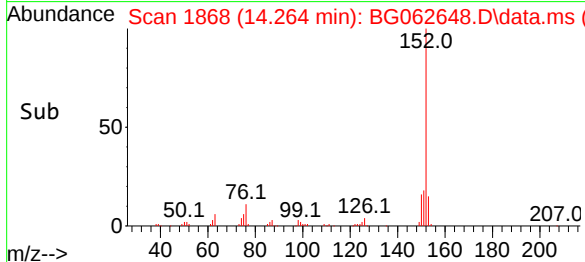
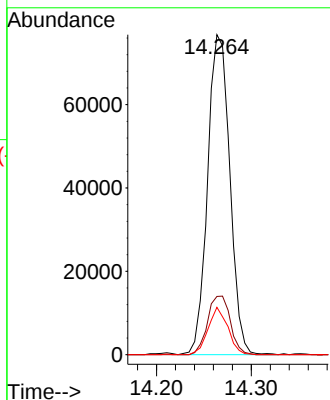
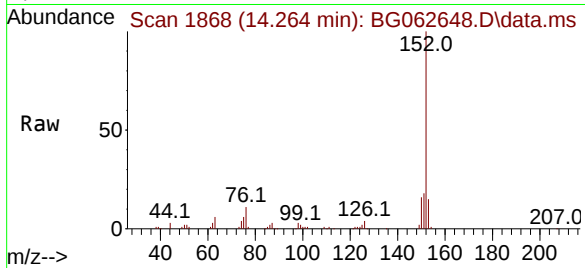




#49  
Acenaphthylene  
Concen: 9.757 ng  
RT: 14.264 min Scan# 1868  
Delta R.T. -0.008 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

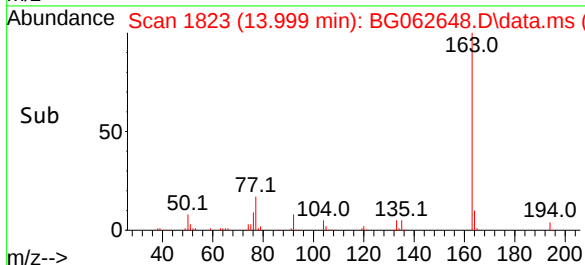
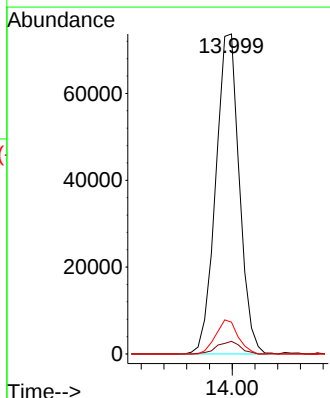
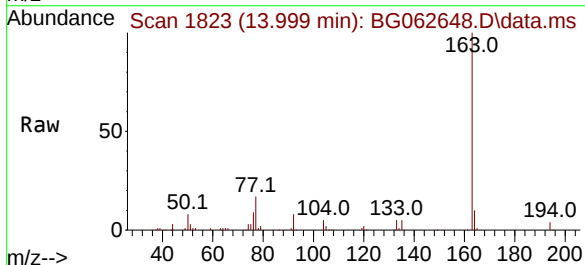
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

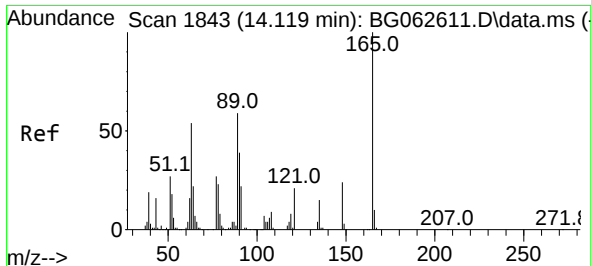
Tgt Ion:152 Resp: 125182  
Ion Ratio Lower Upper  
152 100  
151 18.2 16.6 24.8  
153 14.8 10.2 15.4



#50  
Dimethylphthalate  
Concen: 9.063 ng  
RT: 13.999 min Scan# 1823  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

Tgt Ion:163 Resp: 106185  
Ion Ratio Lower Upper  
163 100  
194 3.9 2.9 4.3  
164 9.9 8.3 12.5

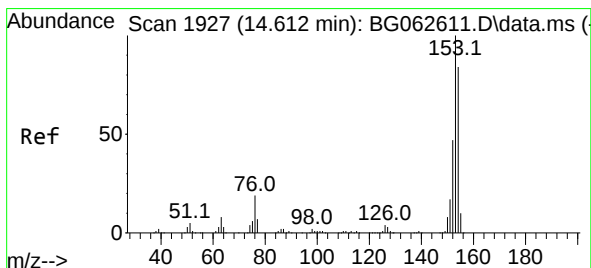
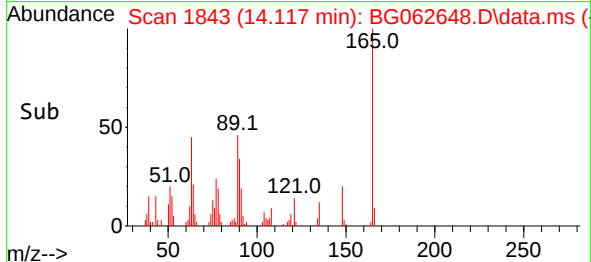
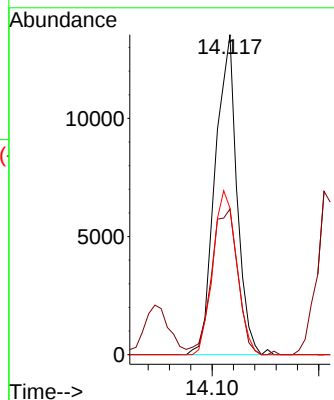
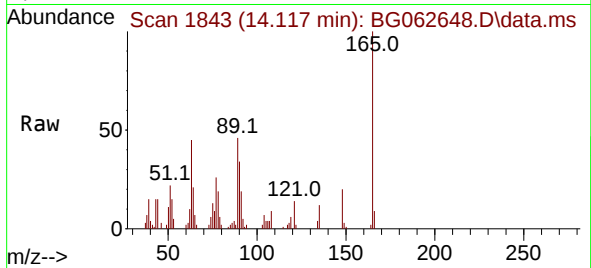




#51  
2,6-Dinitrotoluene  
Concen: 8.668 ng  
RT: 14.117 min Scan# 1843  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

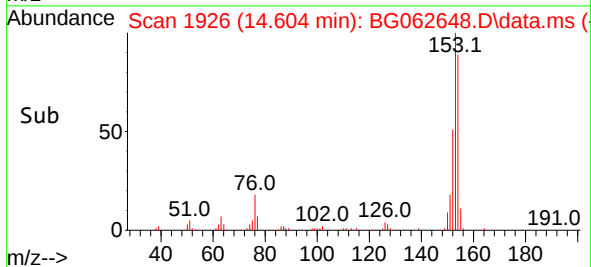
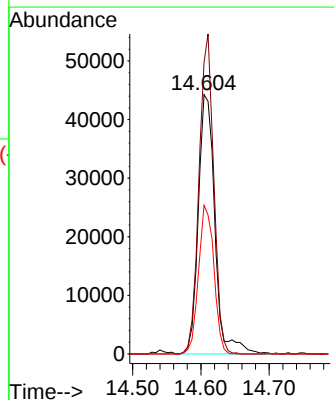
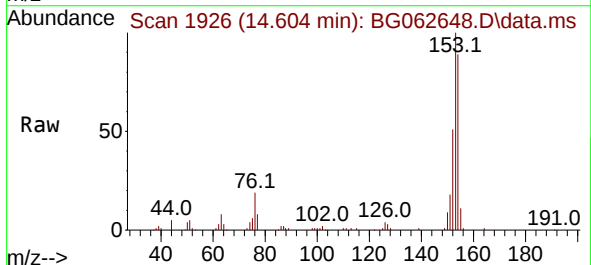
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:165 Resp: 19209  
Ion Ratio Lower Upper  
165 100  
63 45.5 46.6 69.8#  
89 45.8 47.2 70.8#



#52  
Acenaphthene  
Concen: 9.333 ng  
RT: 14.604 min Scan# 1926  
Delta R.T. -0.008 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

Tgt Ion:154 Resp: 74854  
Ion Ratio Lower Upper  
154 100  
153 112.4 95.0 142.4  
152 57.3 45.0 67.6

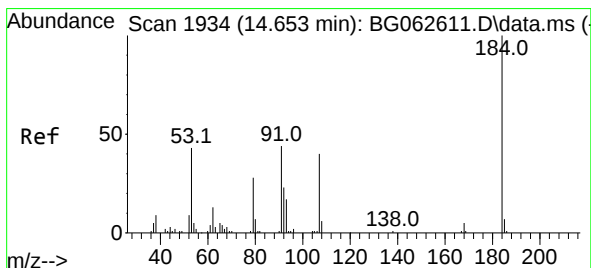
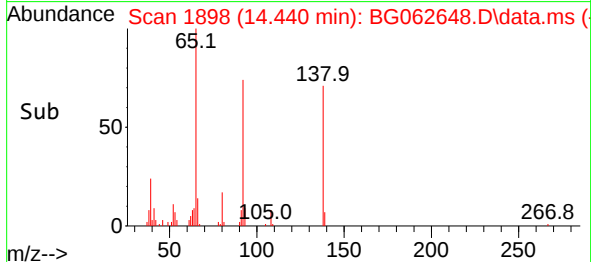
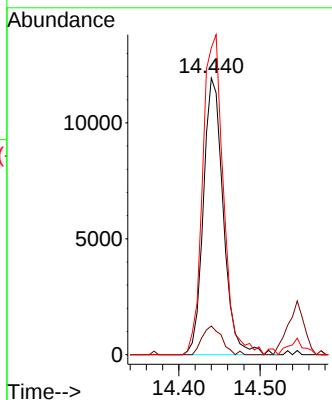
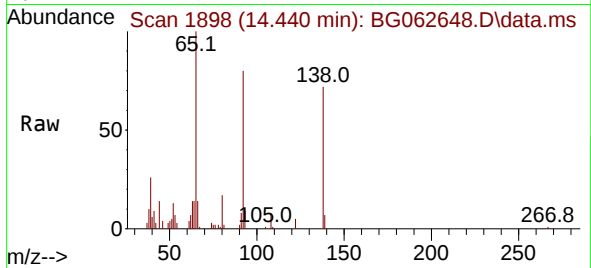




#53  
3-Nitroaniline  
Concen: 9.450 ng  
RT: 14.440 min Scan# 11  
Delta R.T. -0.008 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

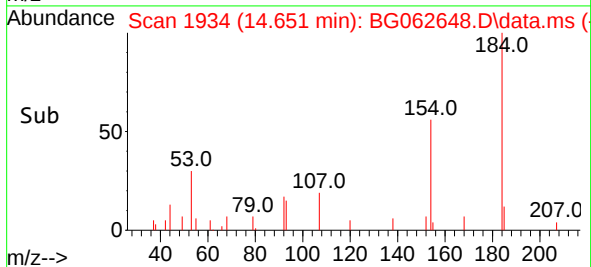
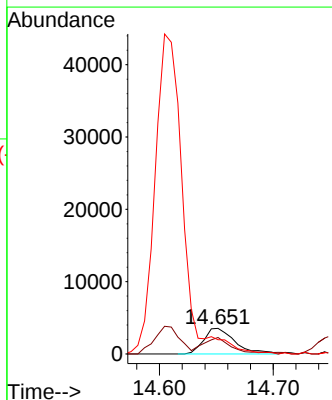
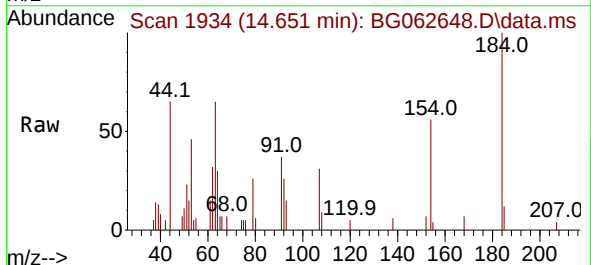
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

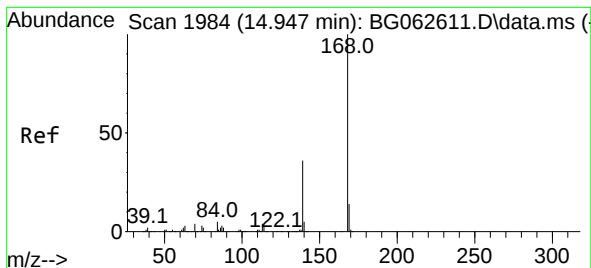
Tgt Ion:138 Resp: 20265  
Ion Ratio Lower Upper  
138 100  
108 10.4 8.6 13.0  
92 110.9 95.7 143.5



#54  
2,4-Dinitrophenol  
Concen: 5.409 ng  
RT: 14.651 min Scan# 1934  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

Tgt Ion:184 Resp: 6727  
Ion Ratio Lower Upper  
184 100  
63 64.8 49.0 73.4  
154 55.6 50.5 75.7





#55

Dibenzenofuran

Concen: 9.479 ng

RT: 14.939 min Scan# 1983

Delta R.T. -0.008 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

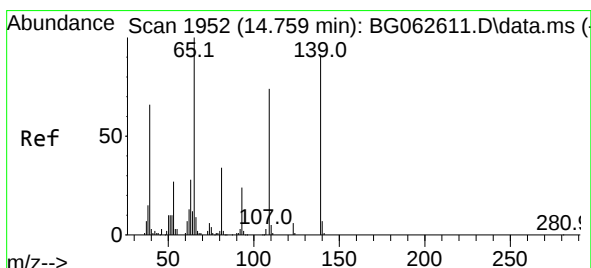
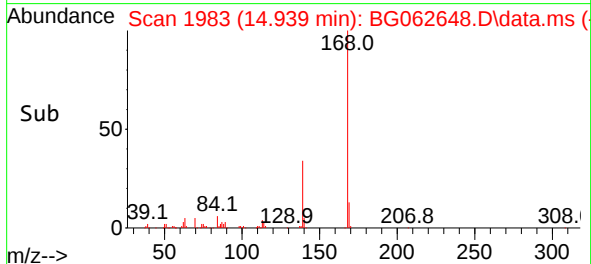
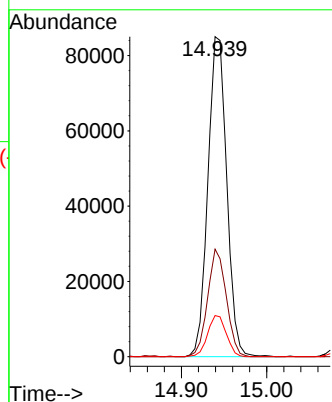
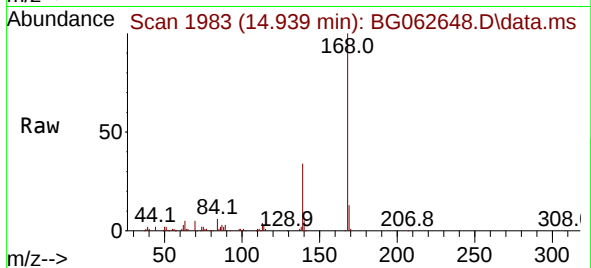
Tgt Ion:168 Resp: 130374

Ion Ratio Lower Upper

168 100

139 33.6 28.6 42.8

169 12.9 11.0 16.6



#56

4-Nitrophenol

Concen: 8.648 ng

RT: 14.751 min Scan# 1951

Delta R.T. -0.008 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

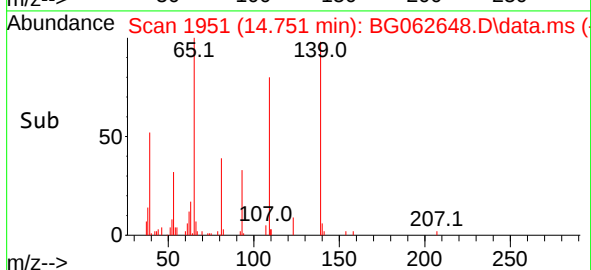
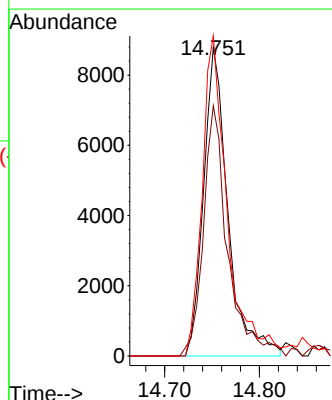
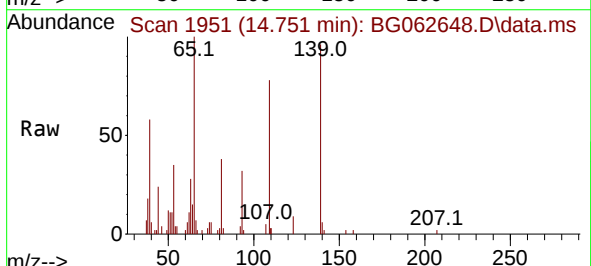
Tgt Ion:139 Resp: 15716

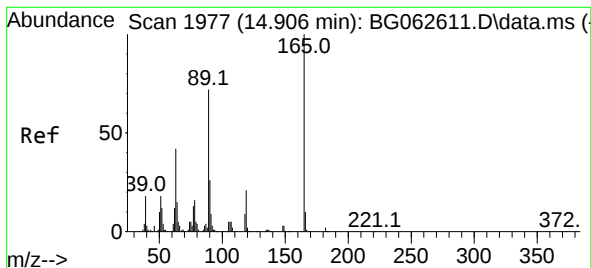
Ion Ratio Lower Upper

139 100

109 81.0 61.2 101.2

65 103.7 90.2 130.2

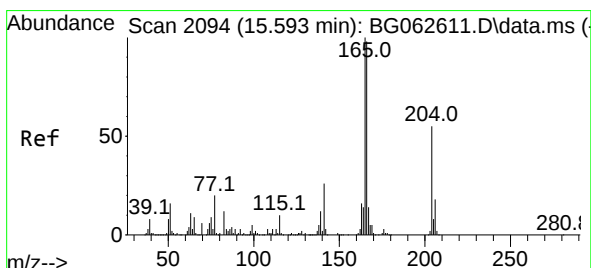
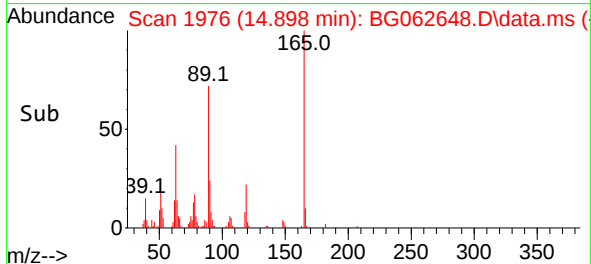
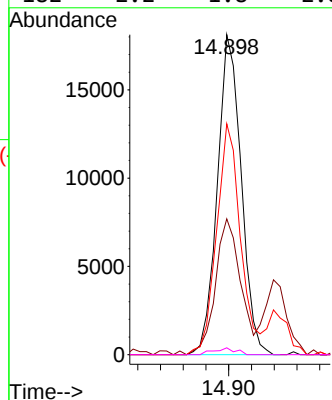
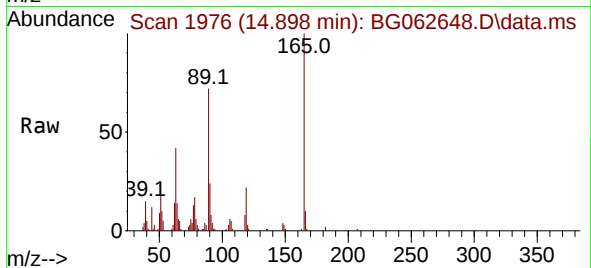




#57  
2,4-Dinitrotoluene  
Concen: 8.730 ng  
RT: 14.898 min Scan# 1976  
Delta R.T. -0.008 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

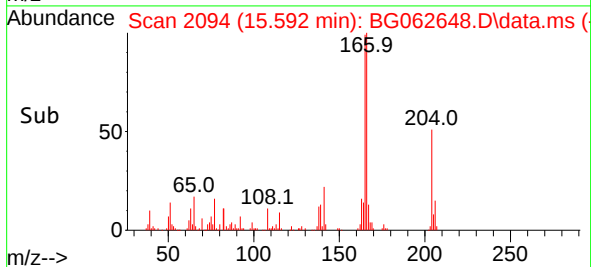
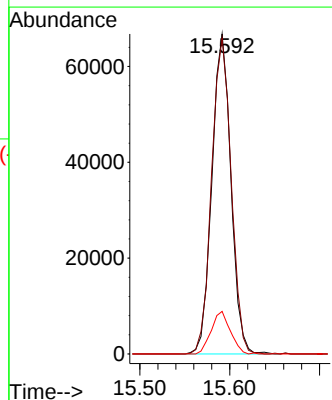
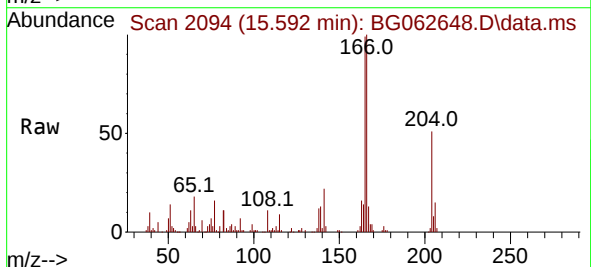
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

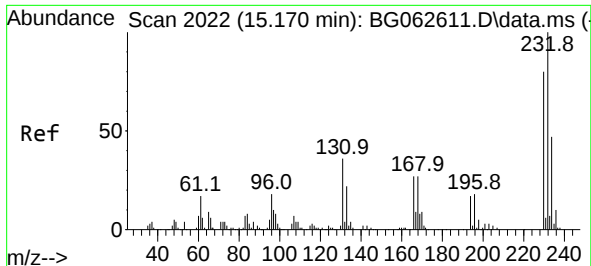
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 26399 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 42.5  | 33.8  | 50.6  |
| 89        | 72.2  | 57.9  | 86.9  |
| 182       | 2.2   | 1.8   | 2.8   |



#58  
Fluorene  
Concen: 9.069 ng  
RT: 15.592 min Scan# 2094  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 97898 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 98.7  | 82.0  | 123.0 |
| 167       | 13.3  | 11.3  | 16.9  |

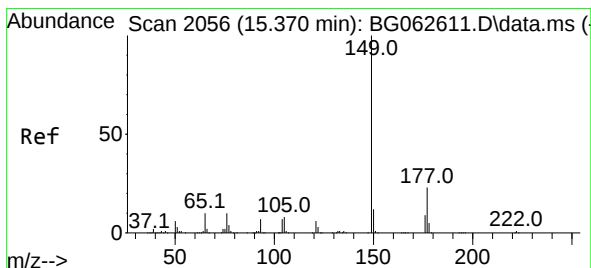
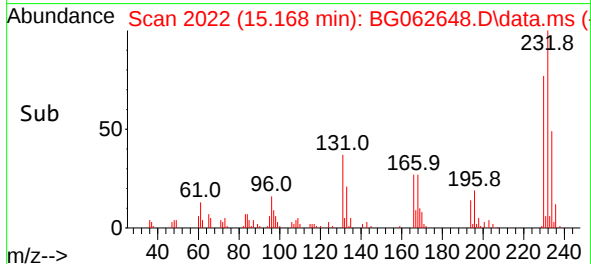
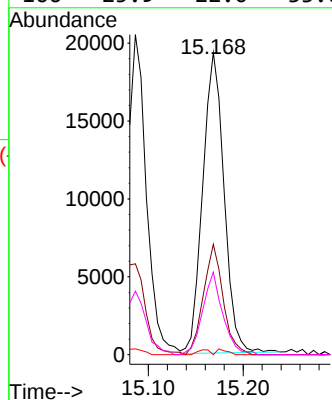
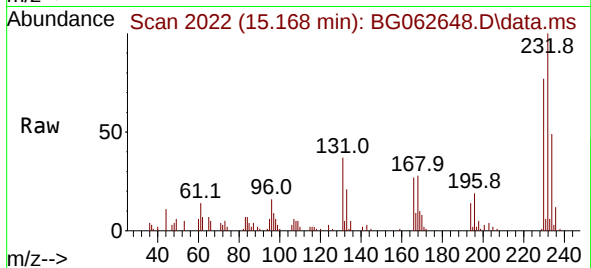




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 9.220 ng  
RT: 15.168 min Scan# 2022  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

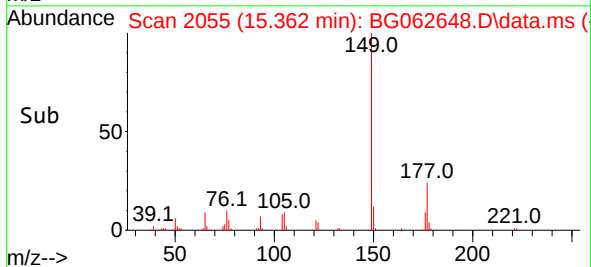
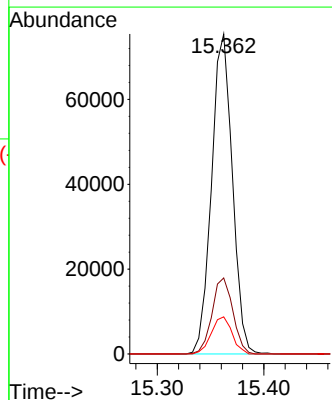
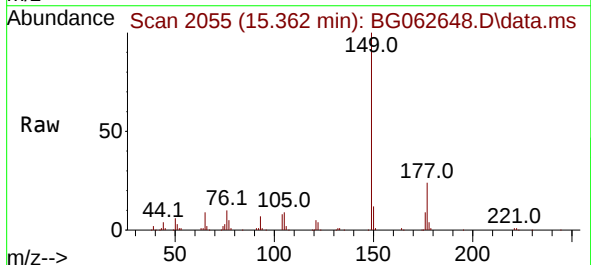
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

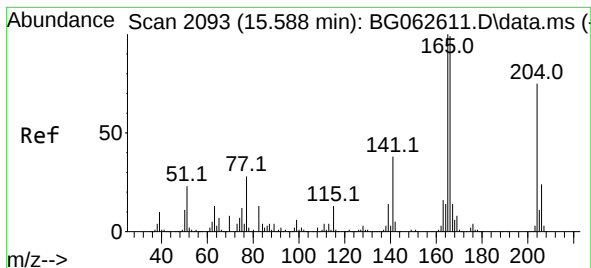
Tgt Ion:232 Resp: 30217  
Ion Ratio Lower Upper  
232 100  
131 33.9 28.3 42.5  
130 0.9 1.7 2.5#  
166 25.9 22.0 33.0



#60  
Diethylphthalate  
Concen: 8.790 ng  
RT: 15.362 min Scan# 2055  
Delta R.T. -0.008 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

Tgt Ion:149 Resp: 102083  
Ion Ratio Lower Upper  
149 100  
177 23.8 18.0 27.0  
150 11.6 9.8 14.8

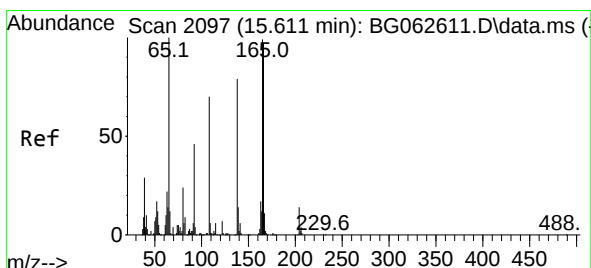
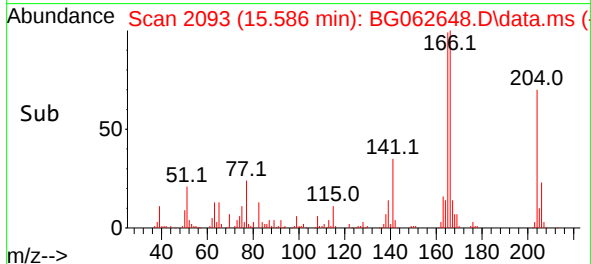
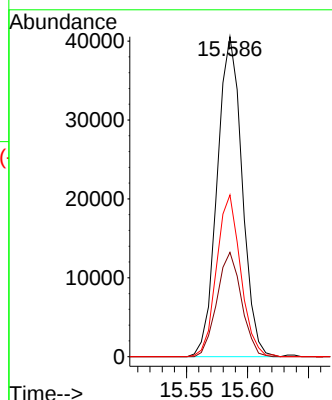
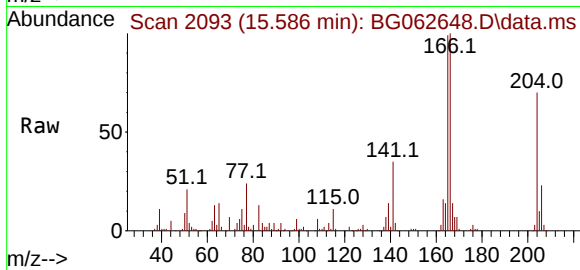




#61  
4-Chlorophenyl-phenylether  
Concen: 9.320 ng  
RT: 15.586 min Scan# 2093  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

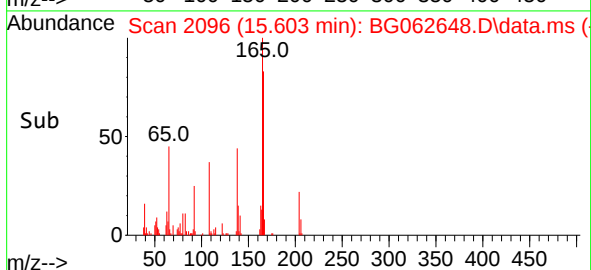
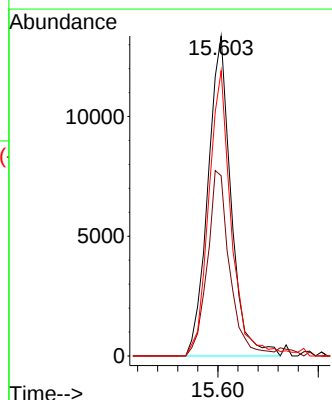
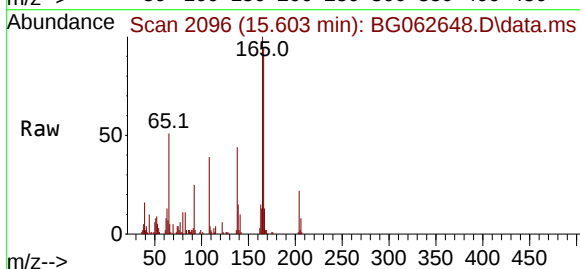
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

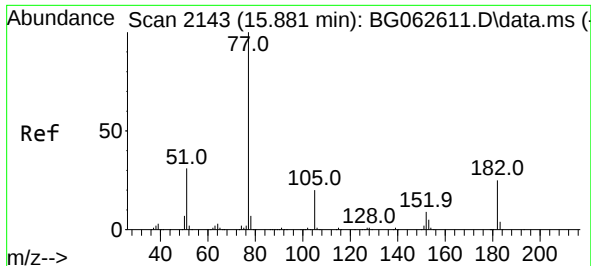
Tgt Ion:204 Resp: 57756  
Ion Ratio Lower Upper  
204 100  
206 32.6 25.9 38.9  
141 50.6 41.0 61.6



#62  
4-Nitroaniline  
Concen: 9.027 ng  
RT: 15.603 min Scan# 2096  
Delta R.T. -0.008 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

Tgt Ion:138 Resp: 21345  
Ion Ratio Lower Upper  
138 100  
92 56.3 38.4 78.4  
108 89.1 69.0 109.0

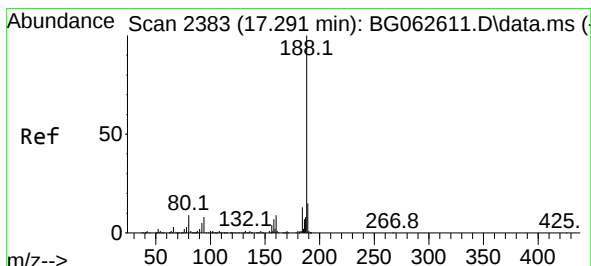
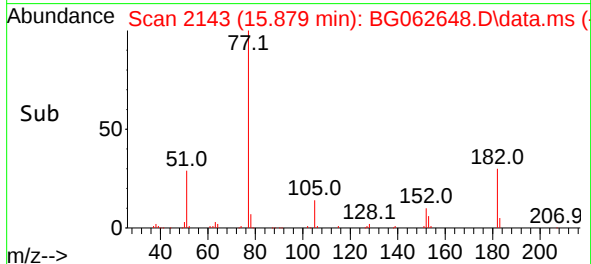
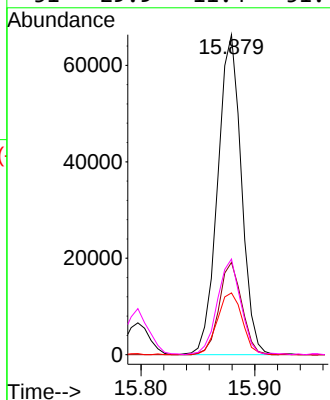
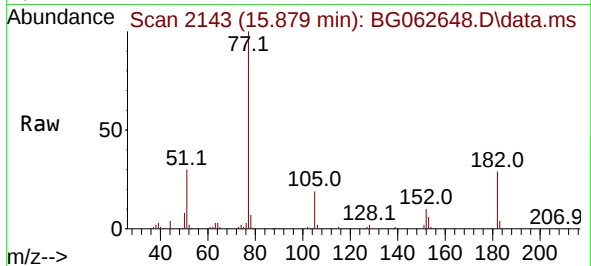




#63  
Azobenzene  
Concen: 8.794 ng  
RT: 15.879 min Scan# 2143  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

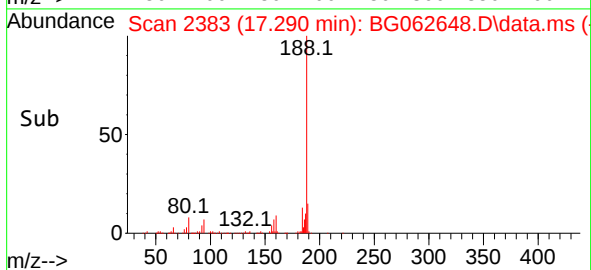
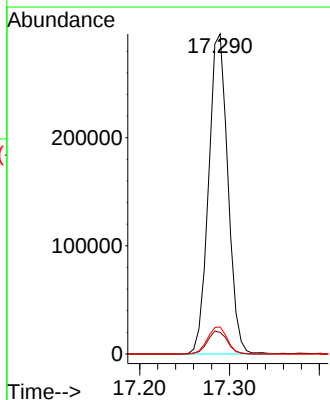
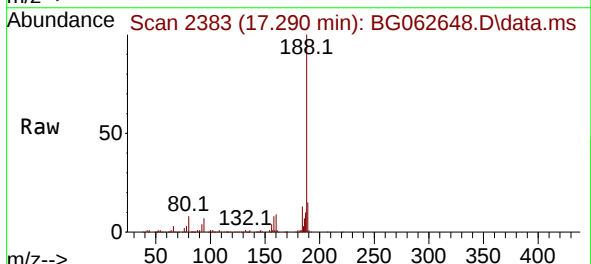
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

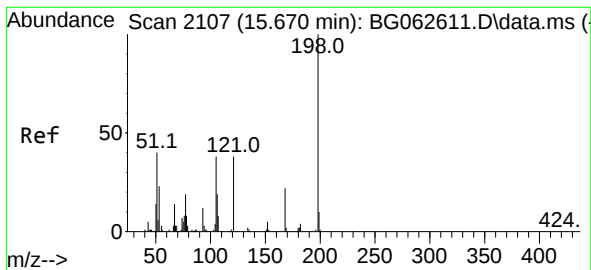
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 95898 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 182      | 28.8  | 5.0   | 45.0  |
| 105      | 19.3  | 0.5   | 40.5  |
| 51       | 29.9  | 11.4  | 51.4  |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.290 min Scan# 2383  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 440390 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 6.8   | 6.3   | 9.5    |
| 80       | 8.5   | 7.0   | 10.4   |

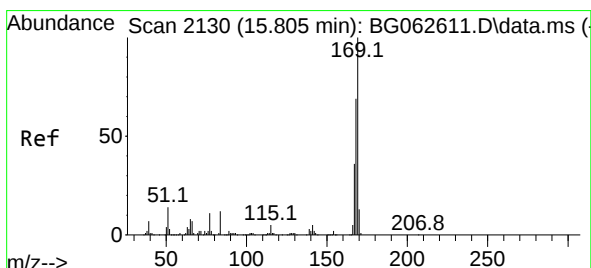
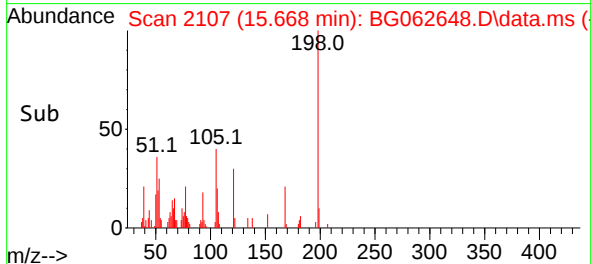
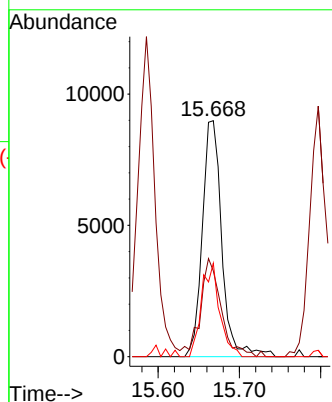
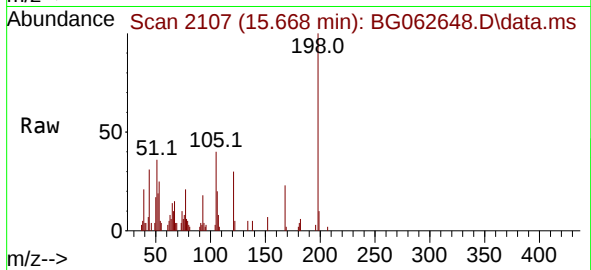




#65  
4,6-Dinitro-2-methylphenol  
Concen: 7.618 ng  
RT: 15.668 min Scan# 2107  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

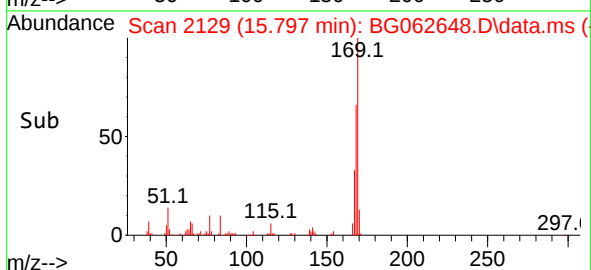
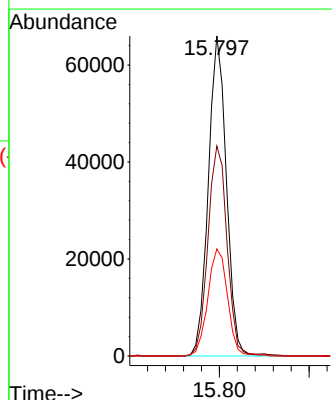
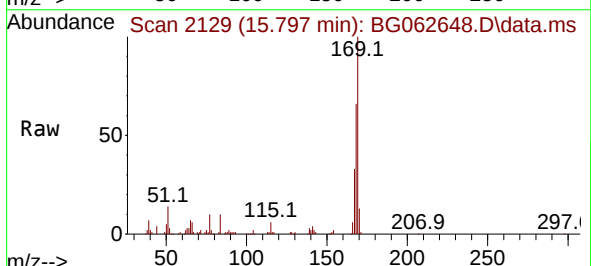
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

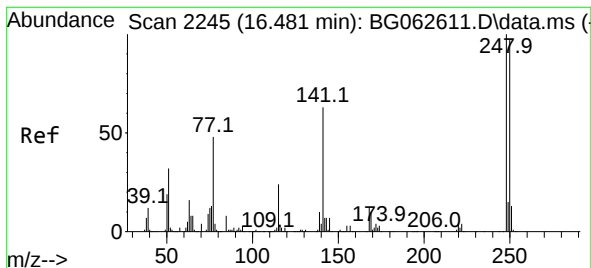
Tgt Ion:198 Resp: 14972  
Ion Ratio Lower Upper  
198 100  
51 36.3 25.1 65.1  
105 39.6 18.3 58.3



#66  
n-Nitrosodiphenylamine  
Concen: 8.692 ng  
RT: 15.797 min Scan# 2129  
Delta R.T. -0.008 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

Tgt Ion:169 Resp: 92034  
Ion Ratio Lower Upper  
169 100  
168 65.6 55.4 83.2  
167 33.4 29.0 43.6

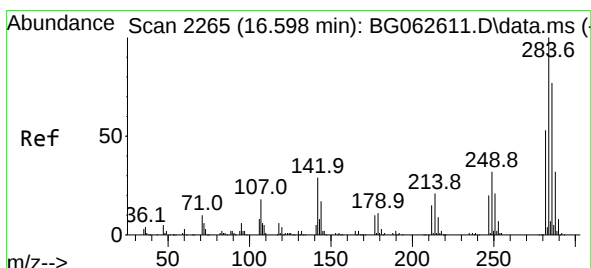
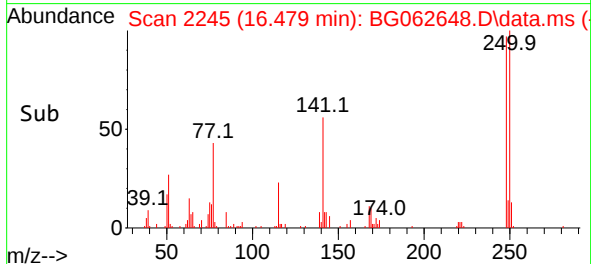
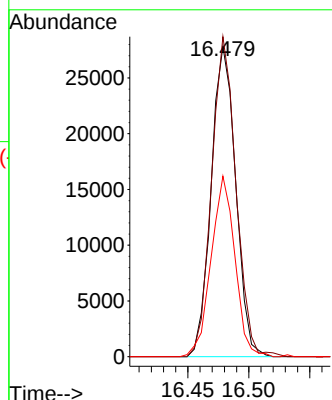
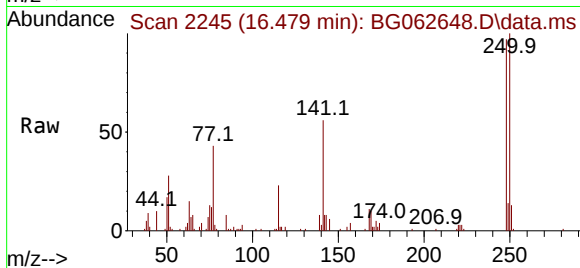




#67  
4-Bromophenyl-phenylether  
Concen: 8.562 ng  
RT: 16.479 min Scan# 21  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

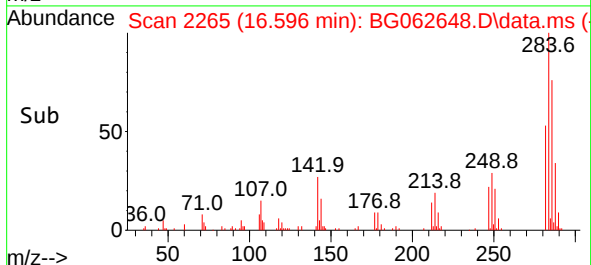
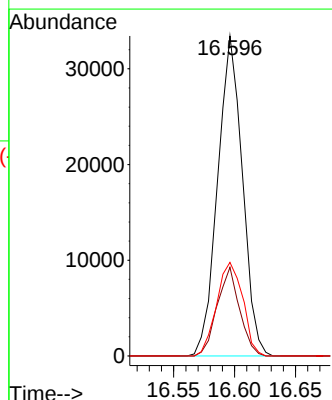
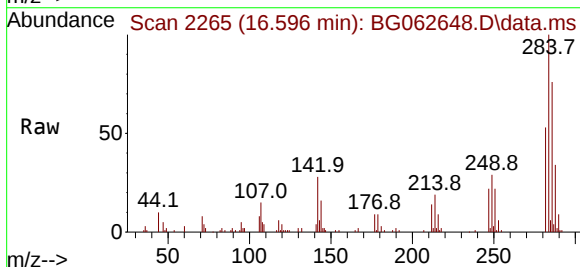
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

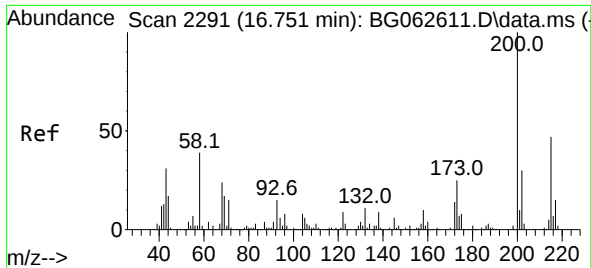
Tgt Ion:248 Resp: 38914  
Ion Ratio Lower Upper  
248 100  
250 103.1 77.9 116.9  
141 58.2 50.2 75.2



#68  
Hexachlorobenzene  
Concen: 8.765 ng  
RT: 16.596 min Scan# 2265  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

Tgt Ion:284 Resp: 47179  
Ion Ratio Lower Upper  
284 100  
142 27.7 23.5 35.3  
249 29.3 25.4 38.0

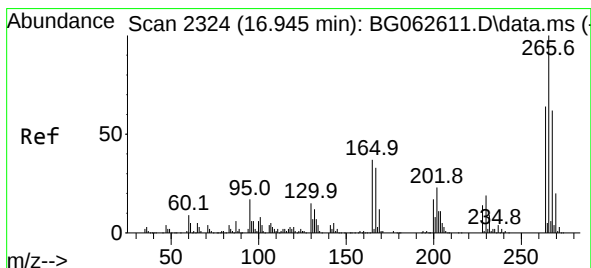
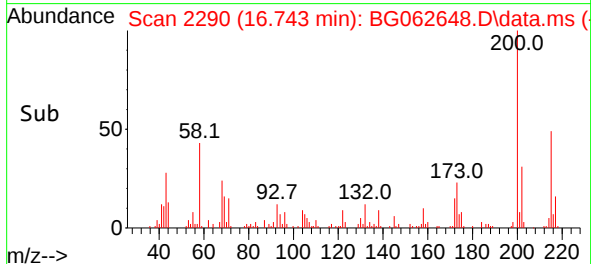
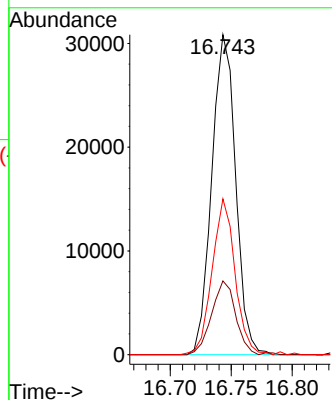
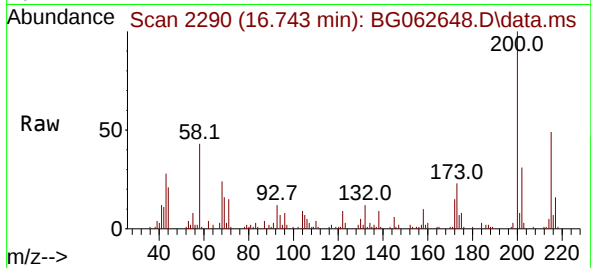




#69  
Atrazine  
Concen: 11.692 ng  
RT: 16.743 min Scan# 21  
Delta R.T. -0.008 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

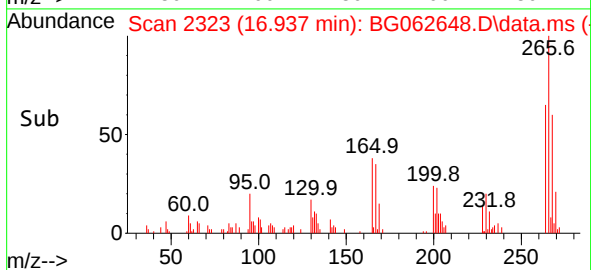
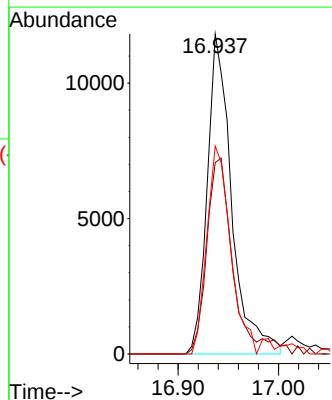
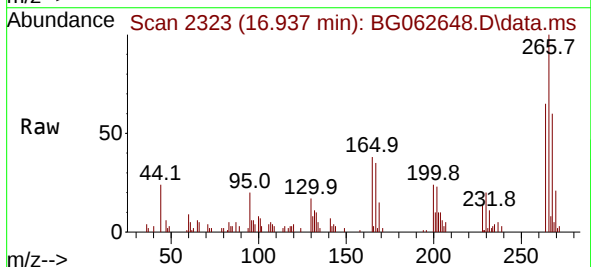
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

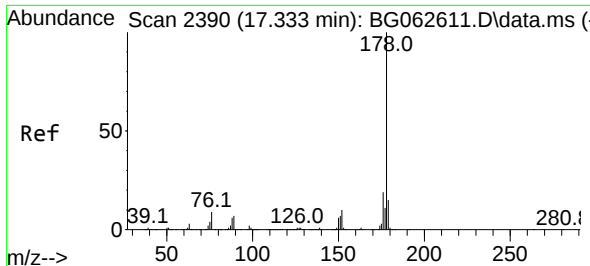
Tgt Ion:200 Resp: 42048  
Ion Ratio Lower Upper  
200 100  
173 23.0 5.2 45.2  
215 48.7 27.3 67.3



#70  
Pentachlorophenol  
Concen: 5.804 ng  
RT: 16.937 min Scan# 2323  
Delta R.T. -0.008 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

Tgt Ion:266 Resp: 20011  
Ion Ratio Lower Upper  
266 100  
268 65.0 52.6 79.0  
264 64.9 51.6 77.4

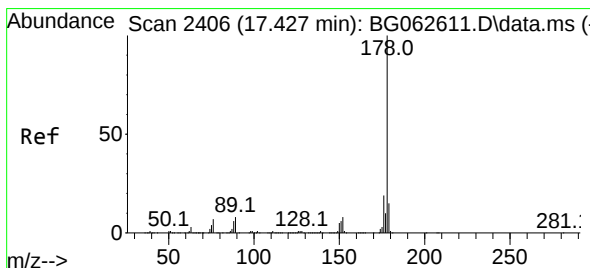
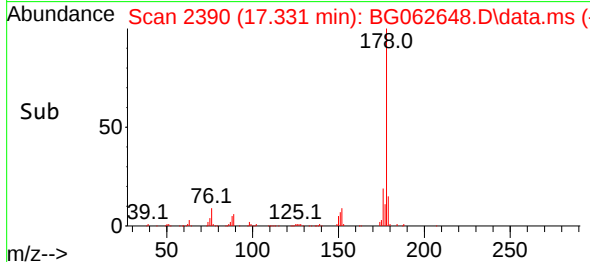
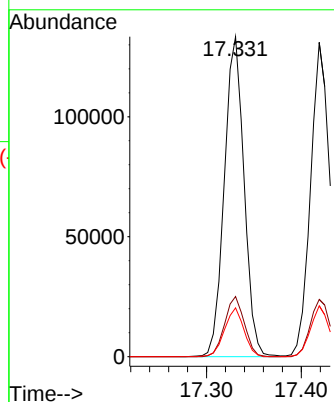
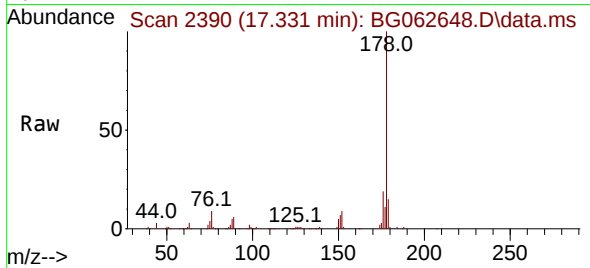




#71  
Phenanthrene  
Concen: 9.401 ng  
RT: 17.331 min Scan# 21  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

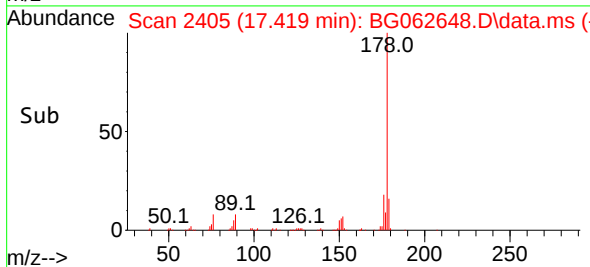
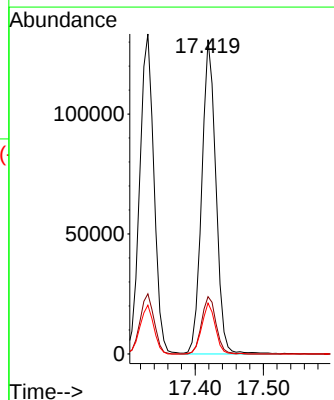
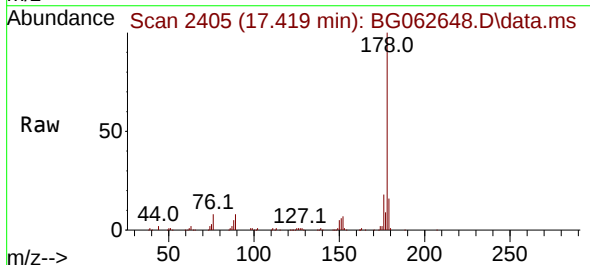
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

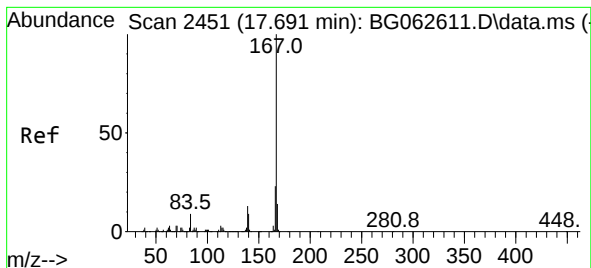
Tgt Ion:178 Resp: 193246  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.4 23.0  
179 15.3 12.2 18.4



#72  
Anthracene  
Concen: 9.336 ng  
RT: 17.419 min Scan# 2405  
Delta R.T. -0.008 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

Tgt Ion:178 Resp: 188694  
Ion Ratio Lower Upper  
178 100  
176 18.2 15.2 22.8  
179 16.2 12.0 18.0





#73

Carbazole

Concen: 9.127 ng

RT: 17.689 min Scan# 2451

Delta R.T. -0.002 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

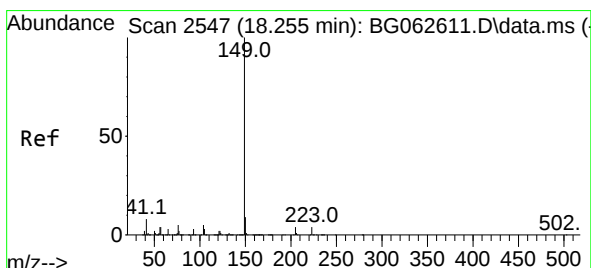
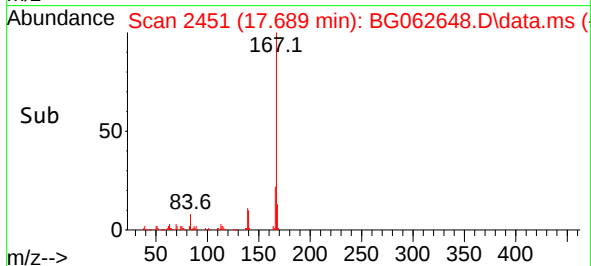
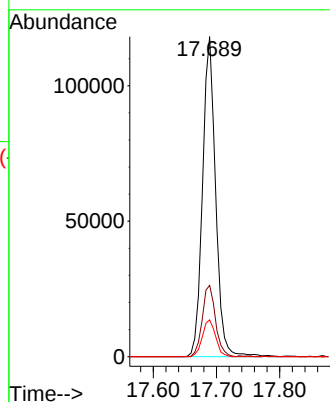
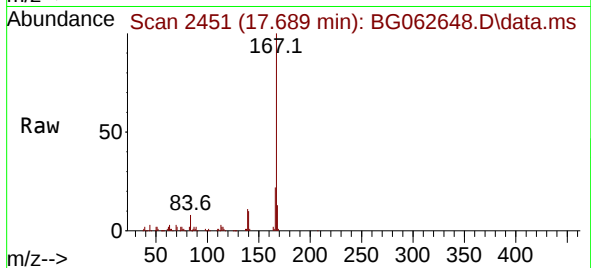
Tgt Ion:167 Resp: 169582

Ion Ratio Lower Upper

167 100

166 22.3 18.2 27.2

139 11.5 10.1 15.1



#74

Di-n-butylphthalate

Concen: 8.808 ng

RT: 18.253 min Scan# 2547

Delta R.T. -0.002 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

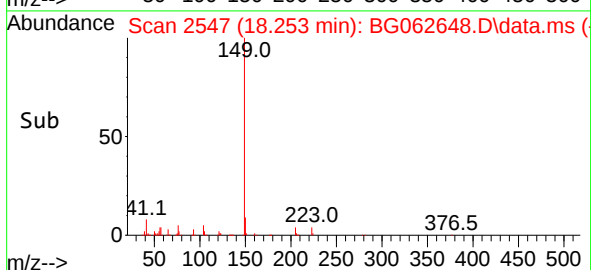
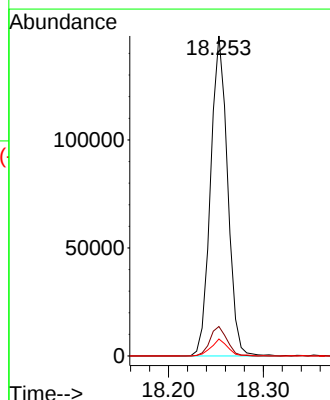
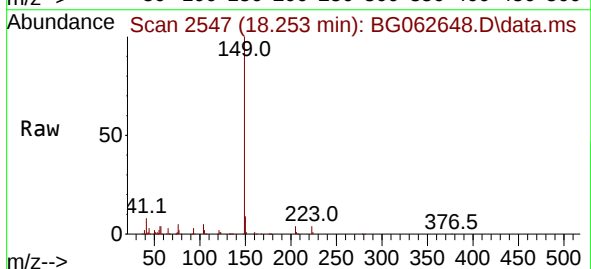
Tgt Ion:149 Resp: 184559

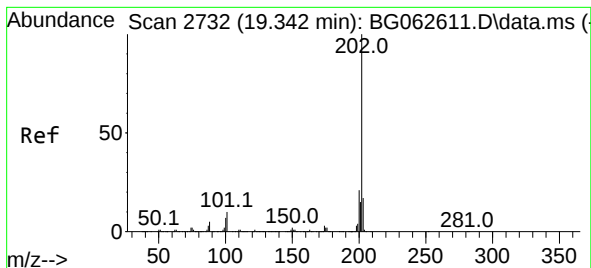
Ion Ratio Lower Upper

149 100

150 9.2 7.3 10.9

104 5.3 4.2 6.2





#75

Fluoranthene

Concen: 9.634 ng

RT: 19.340 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

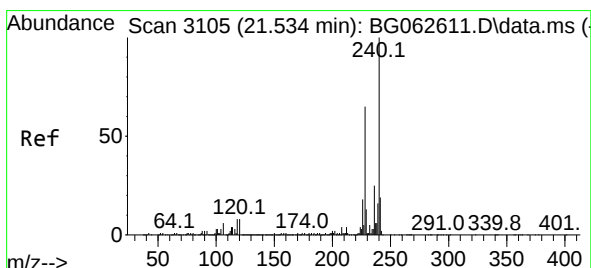
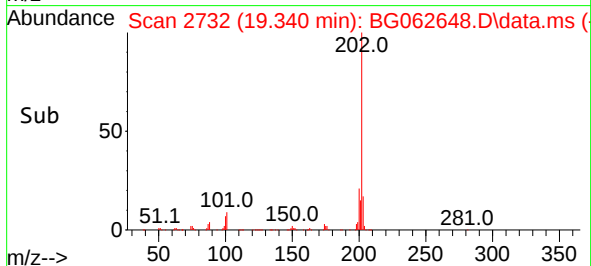
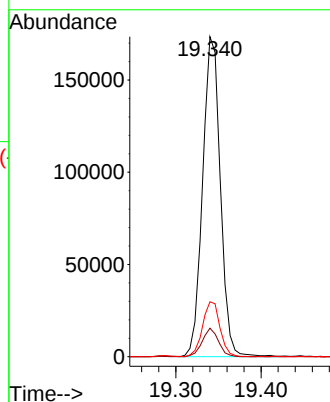
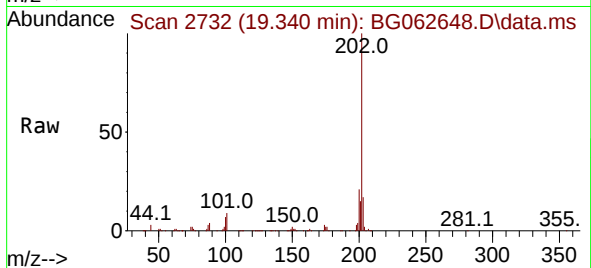
Tgt Ion:202 Resp: 250458

Ion Ratio Lower Upper

202 100

101 8.9 0.0 29.6

203 17.2 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.532 min Scan# 3105

Delta R.T. -0.002 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

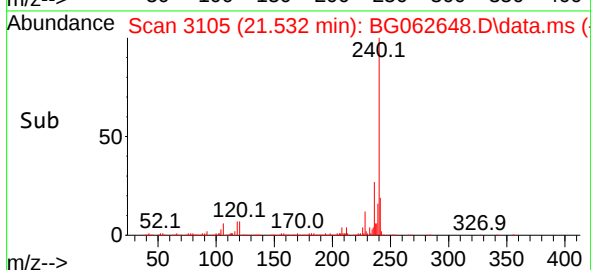
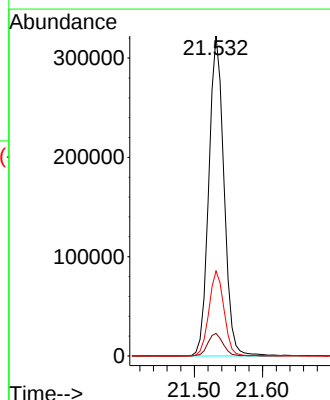
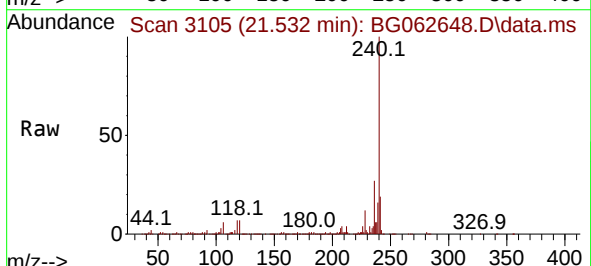
Tgt Ion:240 Resp: 498396

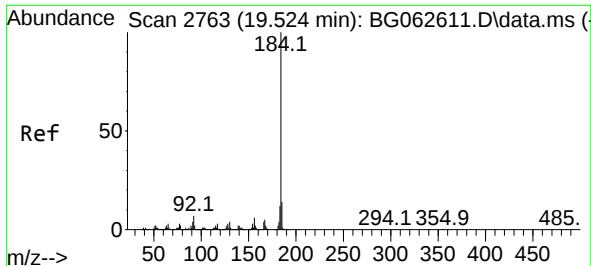
Ion Ratio Lower Upper

240 100

120 7.1 6.6 9.8

236 26.6 20.2 30.4

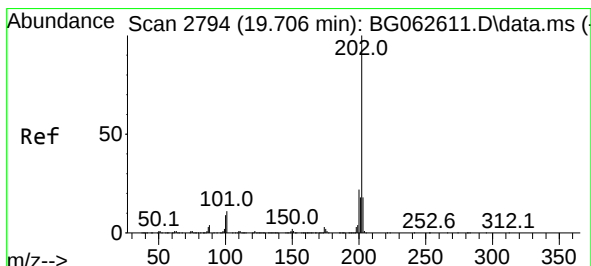
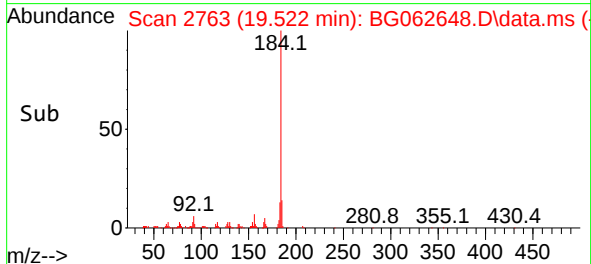
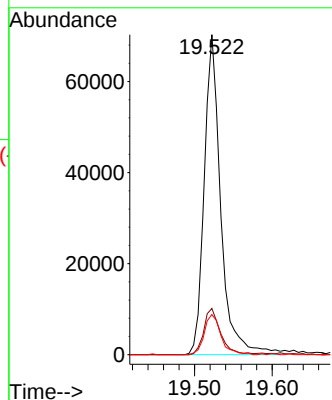
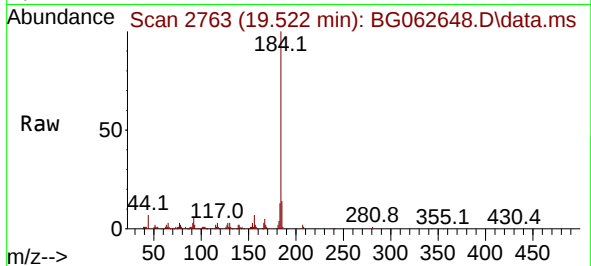




#77  
Benzidine  
Concen: 11.595 ng  
RT: 19.522 min Scan# 2763  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

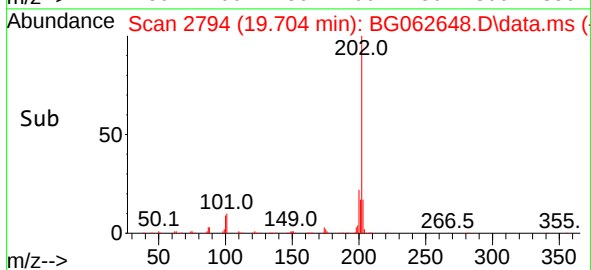
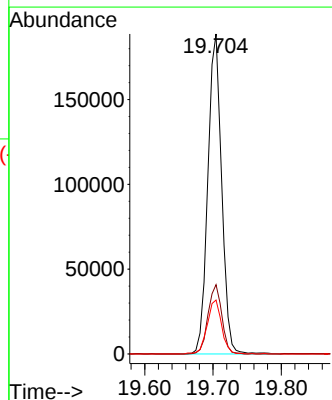
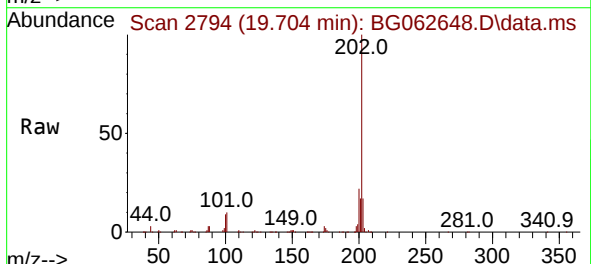
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

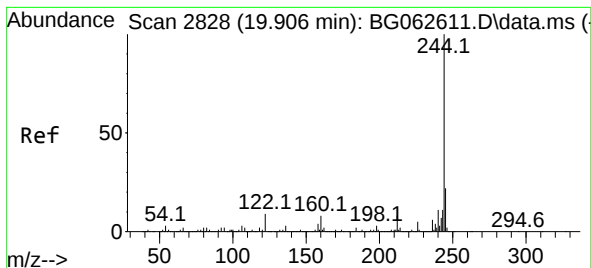
Tgt Ion:184 Resp: 104156  
Ion Ratio Lower Upper  
184 100  
185 14.5 11.0 16.6  
183 12.6 9.7 14.5



#78  
Pyrene  
Concen: 8.377 ng  
RT: 19.704 min Scan# 2794  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

Tgt Ion:202 Resp: 265384  
Ion Ratio Lower Upper  
202 100  
200 21.7 17.4 26.2  
203 16.9 14.1 21.1





#79

Terphenyl-d14

Concen: 82.234 ng

RT: 19.910 min Scan# 2

Delta R.T. 0.004 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

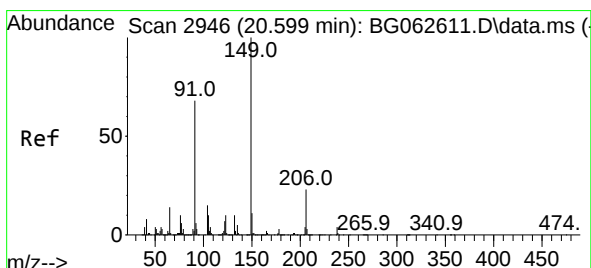
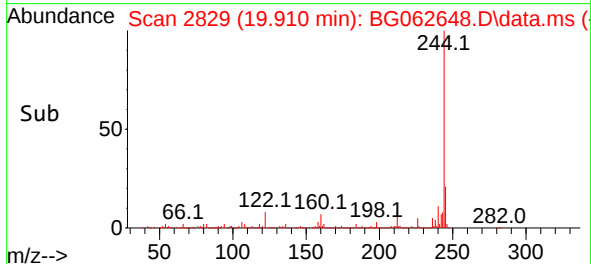
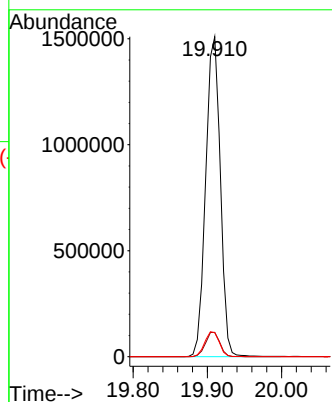
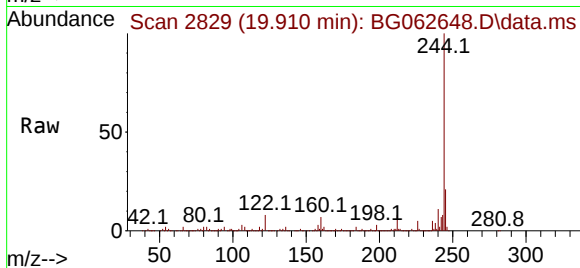
Tgt Ion:244 Resp: 2067002

Ion Ratio Lower Upper

244 100

212 7.6 6.6 10.0

122 7.5 7.2 10.8



#80

Butylbenzylphthalate

Concen: 7.703 ng

RT: 20.597 min Scan# 2946

Delta R.T. -0.002 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

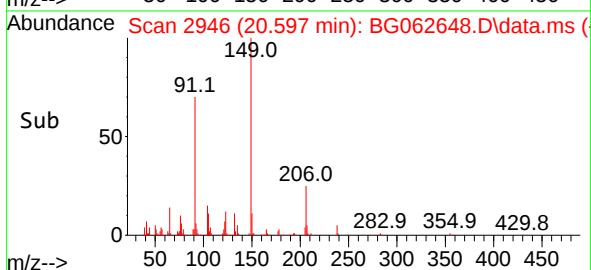
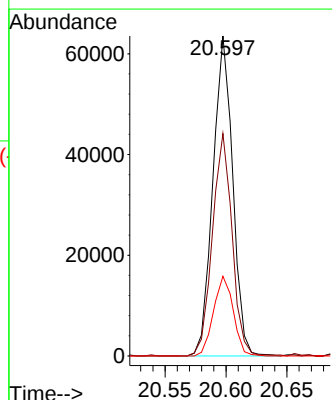
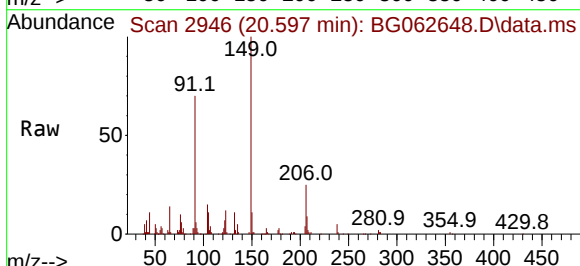
Tgt Ion:149 Resp: 71678

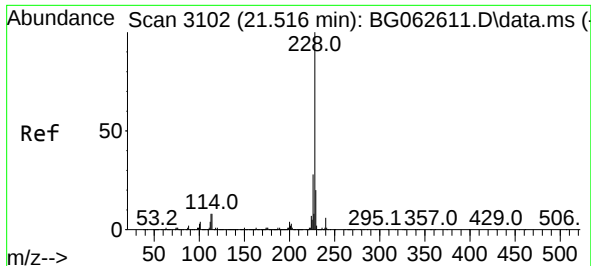
Ion Ratio Lower Upper

149 100

91 69.5 54.6 81.8

206 24.9 18.4 27.6

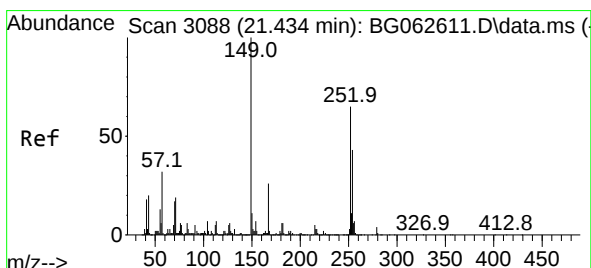
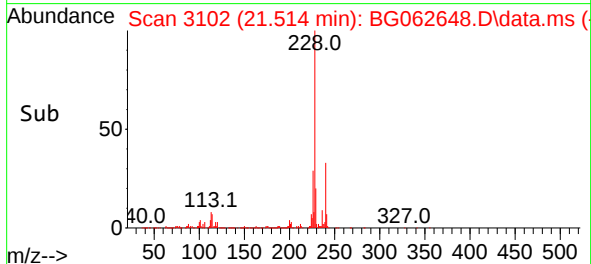
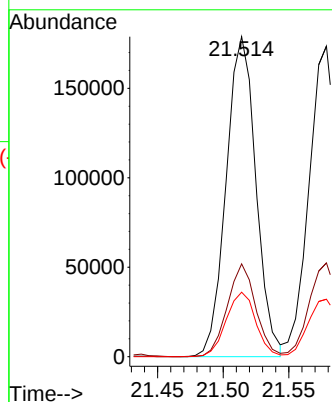
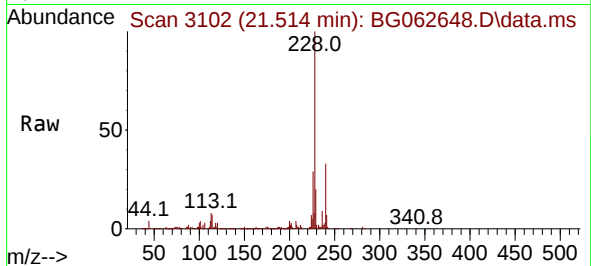




#81  
Benzo(a)anthracene  
Concen: 8.981 ng  
RT: 21.514 min Scan# 3102  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

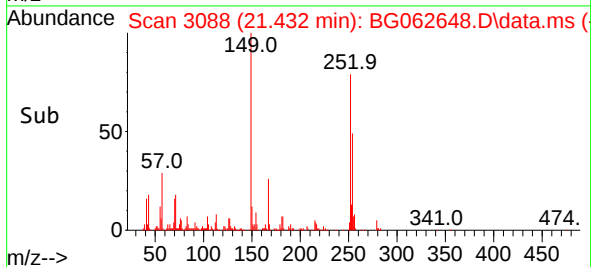
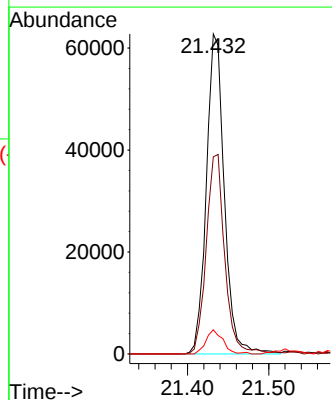
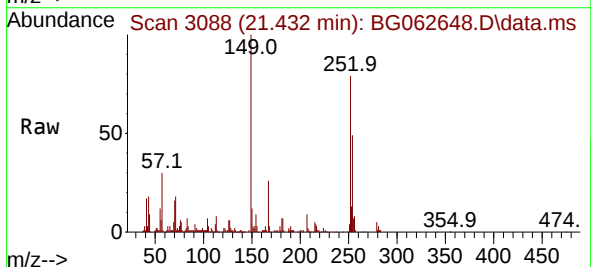
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2024

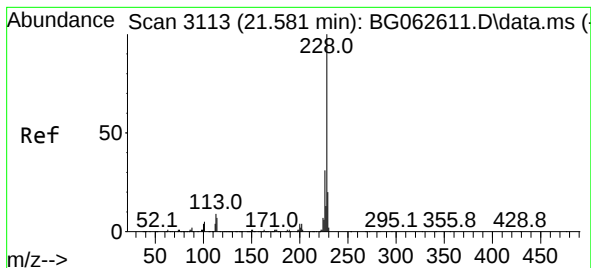
Tgt Ion:228 Resp: 282328  
Ion Ratio Lower Upper  
228 100  
226 29.0 22.3 33.5  
229 20.1 16.2 24.2



#82  
3,3'-Dichlorobenzidine  
Concen: 9.393 ng  
RT: 21.432 min Scan# 3088  
Delta R.T. -0.002 min  
Lab File: BG062648.D  
Acq: 4 Sep 2024 18:22

Tgt Ion:252 Resp: 96184  
Ion Ratio Lower Upper  
252 100  
254 61.6 52.2 78.2  
126 7.5 6.7 10.1





#83

Chrysene

Concen: 9.203 ng

RT: 21.579 min Scan# 3113

Delta R.T. -0.002 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

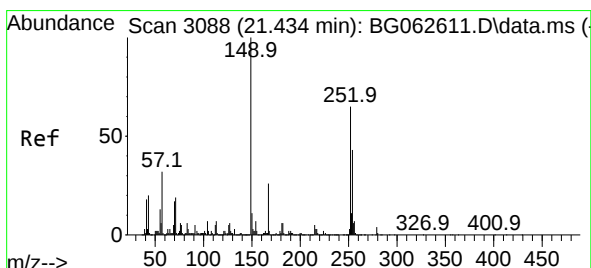
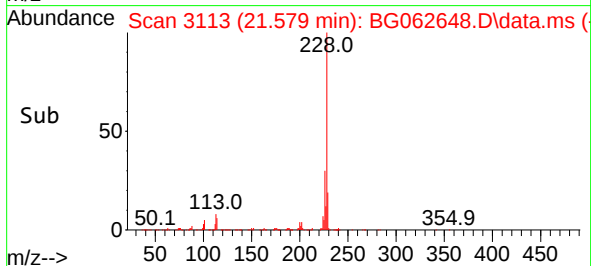
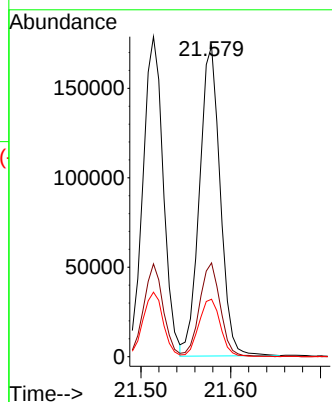
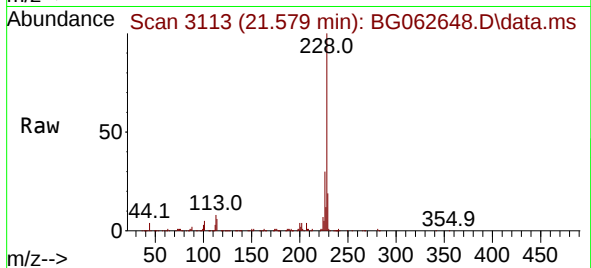
Tgt Ion:228 Resp: 277119

Ion Ratio Lower Upper

228 100

226 30.2 24.9 37.3

229 18.5 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.712 ng

RT: 21.432 min Scan# 3088

Delta R.T. -0.002 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

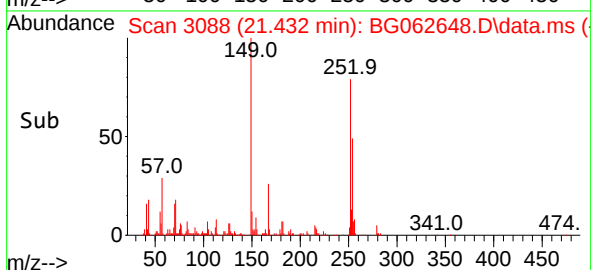
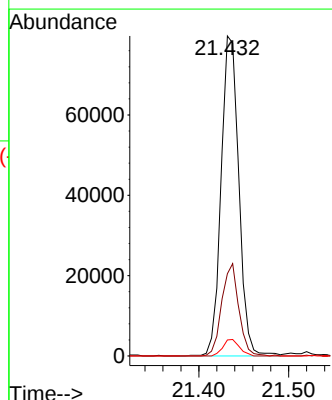
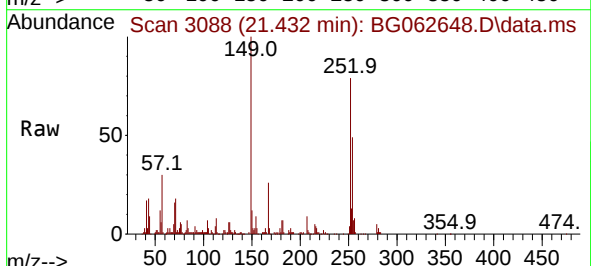
Tgt Ion:149 Resp: 109033

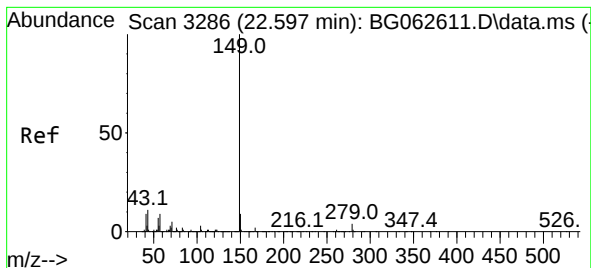
Ion Ratio Lower Upper

149 100

167 25.7 20.5 30.7

279 5.0 3.1 4.7#





#85

Di-n-octyl phthalate

Concen: 7.618 ng

RT: 22.595 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

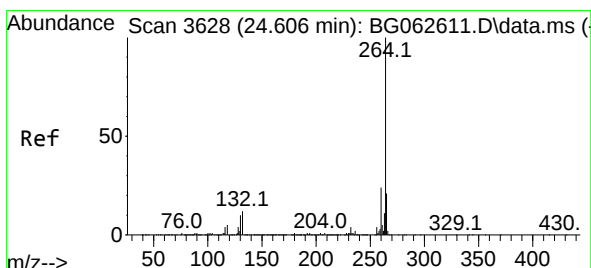
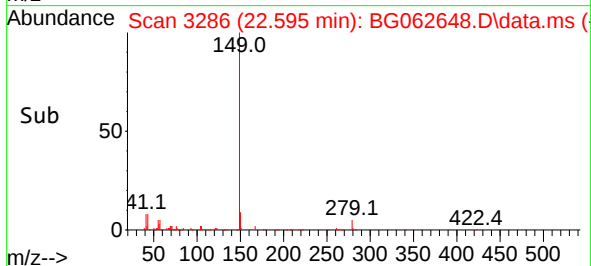
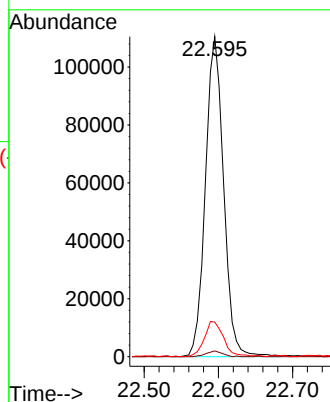
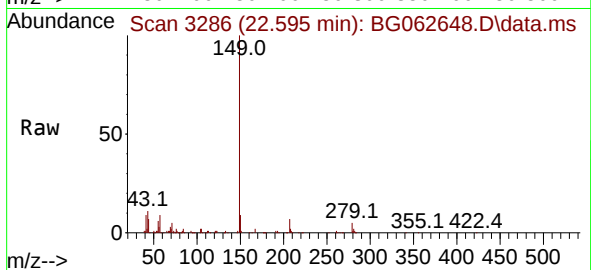
Tgt Ion:149 Resp: 188559

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

43 11.8 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.599 min Scan# 3627

Delta R.T. -0.008 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

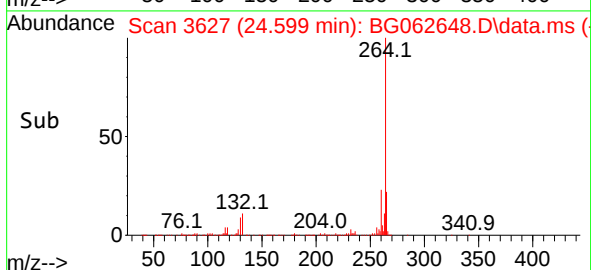
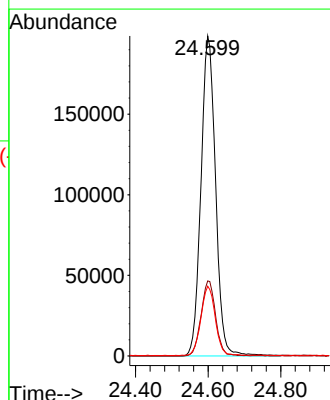
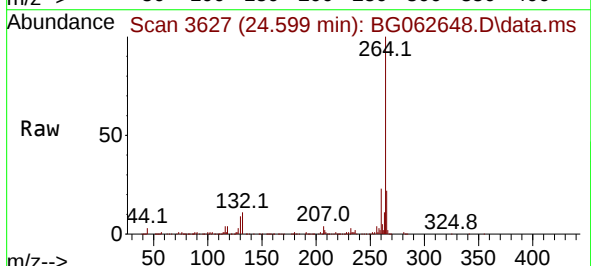
Tgt Ion:264 Resp: 554576

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.4

265 21.8 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.944 ng

RT: 28.059 min Scan# 41

Delta R.T. -0.014 min

Lab File: BG062648.D

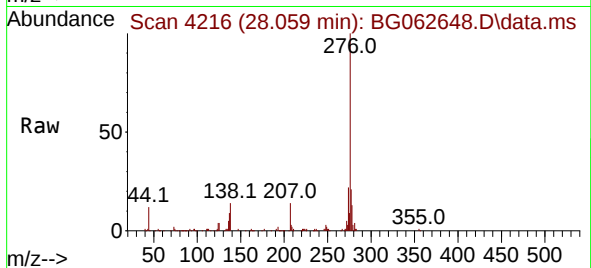
Acq: 4 Sep 2024 18:22

Instrument :

BNA\_G

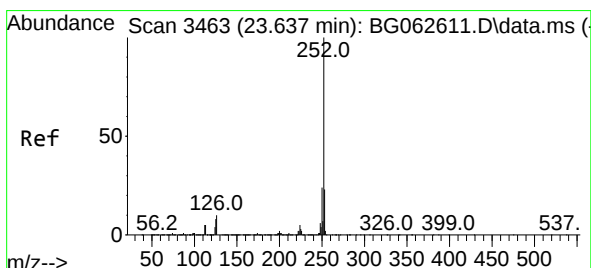
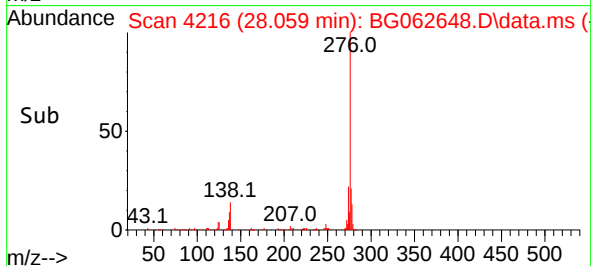
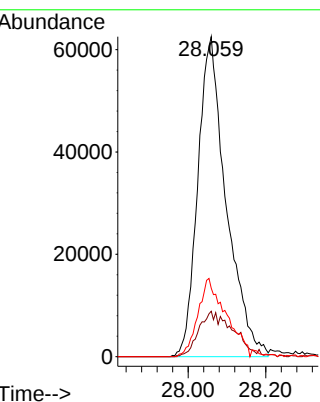
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:276 Resp: 318042

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 9.2   | 14.9  | 22.3  |
| 277 | 24.1  | 20.3  | 30.5  |



#88

Benzo(b)fluoranthene

Concen: 8.466 ng

RT: 23.629 min Scan# 3462

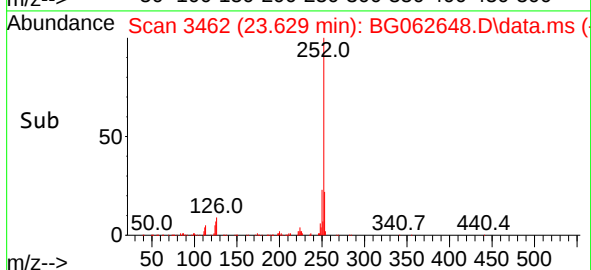
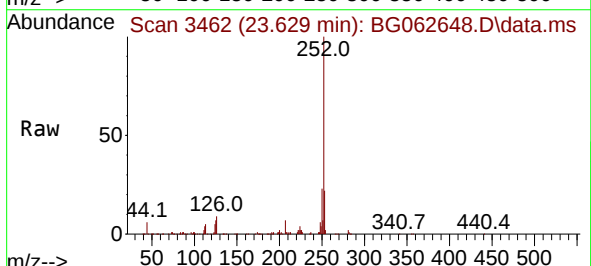
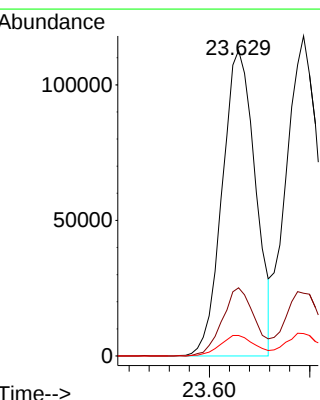
Delta R.T. -0.008 min

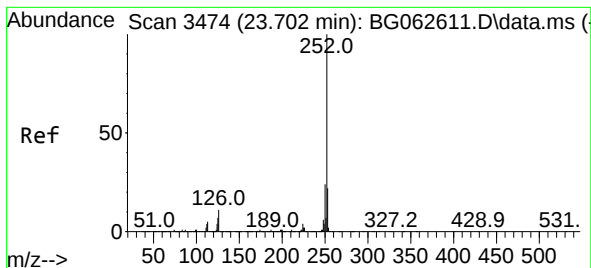
Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

Tgt Ion:252 Resp: 259335

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.3  | 18.2  | 27.2  |
| 125 | 6.7   | 6.2   | 9.2   |





#89

Benzo(k)fluoranthene

Concen: 9.028 ng

RT: 23.694 min Scan# 34

Delta R.T. -0.008 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

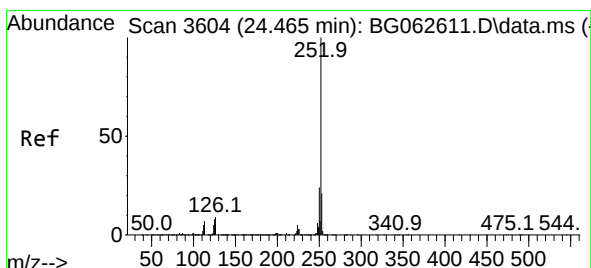
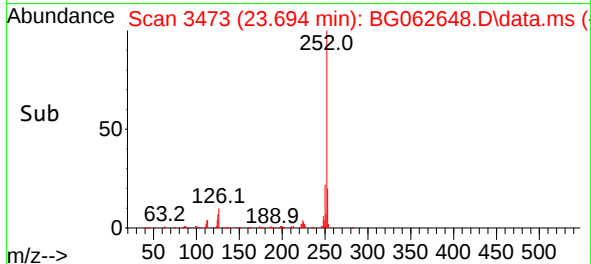
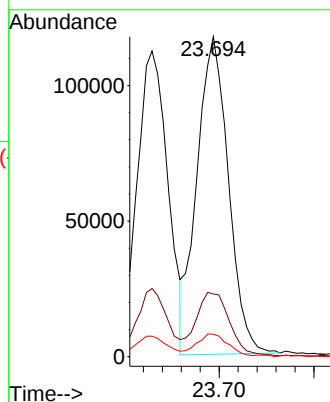
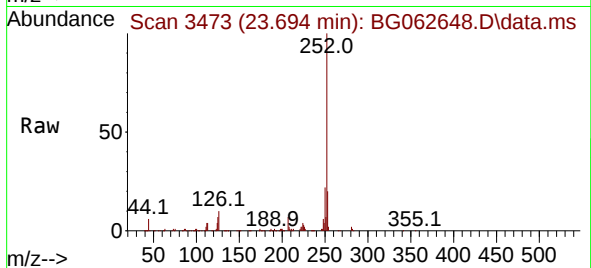
Tgt Ion:252 Resp: 270506

Ion Ratio Lower Upper

252 100

253 19.6 17.8 26.8

125 7.0 6.1 9.1



#90

Benzo(a)pyrene

Concen: 8.997 ng

RT: 24.458 min Scan# 3603

Delta R.T. -0.008 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

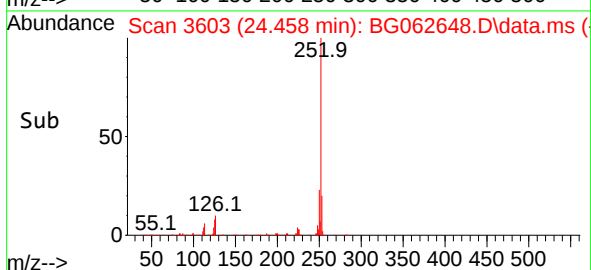
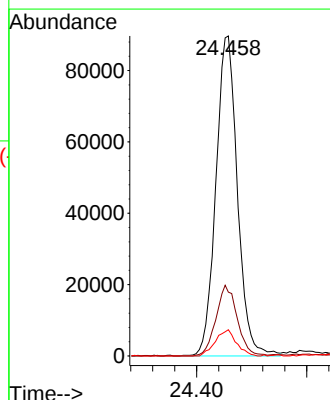
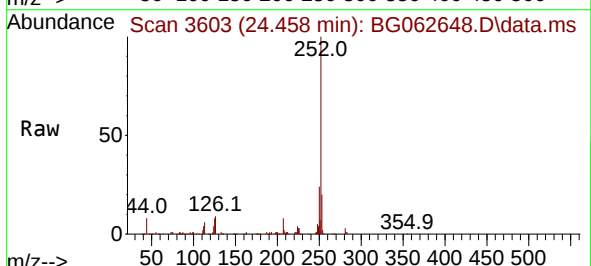
Tgt Ion:252 Resp: 243473

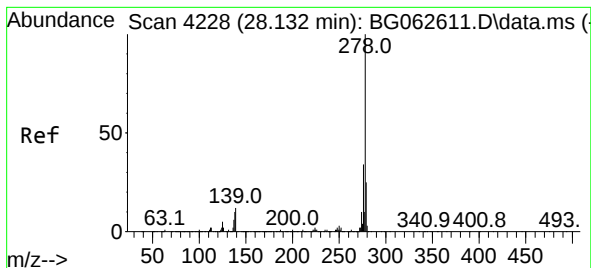
Ion Ratio Lower Upper

252 100

253 19.9 17.1 25.7

125 8.2 6.6 10.0





#91

Dibenzo(a,h)anthracene

Concen: 8.829 ng

RT: 28.118 min Scan# 41

Delta R.T. -0.014 min

Lab File: BG062648.D

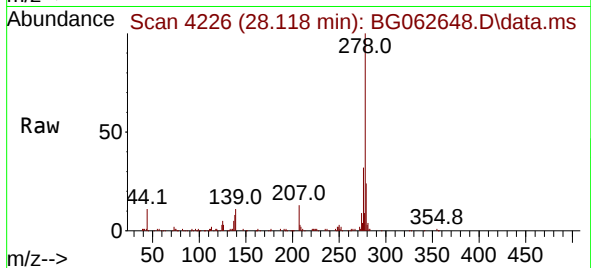
Acq: 4 Sep 2024 18:22

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



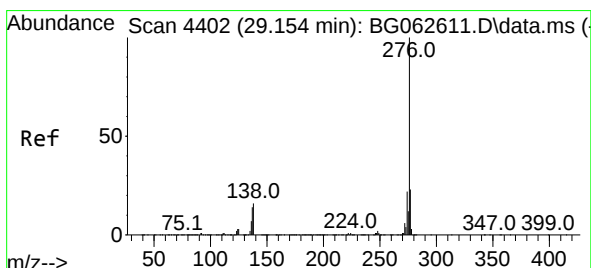
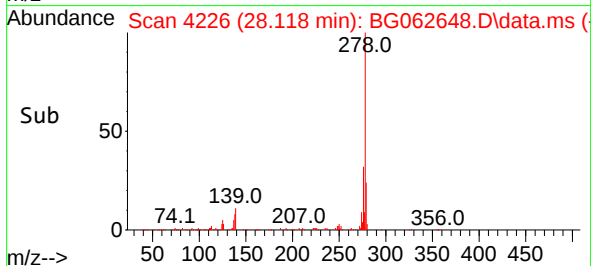
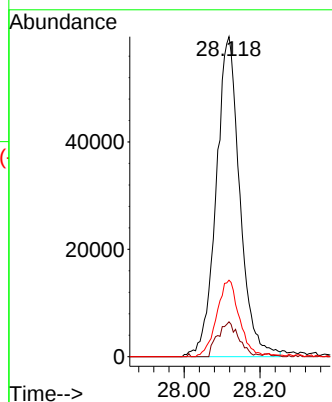
Tgt Ion:278 Resp: 258630

Ion Ratio Lower Upper

278 100

139 10.9 9.2 13.8

279 23.9 19.7 29.5



#92

Benzo(g,h,i)perylene

Concen: 8.380 ng

RT: 29.134 min Scan# 4399

Delta R.T. -0.020 min

Lab File: BG062648.D

Acq: 4 Sep 2024 18:22

Tgt Ion:276 Resp: 247547

Ion Ratio Lower Upper

276 100

277 23.3 18.8 28.2

138 12.6 12.7 19.1#

