

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051923\  
 Data File : BG057463.D  
 Acq On : 19 May 2023 11:30  
 Operator : CG/JU  
 Sample : 02213-03  
 Misc : MDL-MDL-SOIL 4ppm  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-03-QT2-2023

Quant Time: May 20 07:02:09 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat May 20 04:19:55 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.356  | 152  | 17801    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.194 | 136  | 71202    | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.971 | 164  | 58270    | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.708 | 188  | 148299   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 22.014 | 240  | 137295   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 25.510 | 264  | 144894   | 20.000    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.871  | 112  | 100475   | 96.553    | ng    | 0.00     |
| 7) Phenol-d6                  | 7.499  | 99   | 153480   | 97.125    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.537  | 82   | 114518   | 67.504    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.457 | 330  | 87436    | 105.754   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.596 | 172  | 306908   | 70.936    | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.281 | 244  | 569582   | 67.702    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.674  | 88   | 1455     | 3.382     | ng    | # 85     |
| 3) Pyridine                   | 4.121  | 79   | 3851     | 2.785     | ng    | # 75     |
| 4) n-Nitrosodimethylamine     | 4.015  | 42   | 1849     | 2.845     | ng    | # 91     |
| 6) Aniline                    | 7.675  | 93   | 6493     | 3.239     | ng    | 96       |
| 8) 2-Chlorophenol             | 7.916  | 128  | 3841     | 3.493     | ng    | 90       |
| 9) Benzaldehyde               | 7.481  | 77   | 4089     | Below Cal | #     | 77       |
| 10) Phenol                    | 7.522  | 94   | 5114     | 3.320     | ng    | # 77     |
| 11) bis(2-Chloroethyl)ether   | 7.757  | 93   | 4021     | 3.462     | ng    | 90       |
| 12) 1,3-Dichlorobenzene       | 8.245  | 146  | 4502     | 3.710     | ng    | 88       |
| 13) 1,4-Dichlorobenzene       | 8.397  | 146  | 4611     | 3.782     | ng    | 91       |
| 14) 1,2-Dichlorobenzene       | 8.397  | 146  | 4611     | 3.918     | ng    | 93       |
| 15) Benzyl Alcohol            | 8.597  | 79   | 3607     | 2.740     | ng    | # 89     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.867  | 45   | 4442     | 3.034     | ng    | 89       |
| 17) 2-Methylphenol            | 8.791  | 107  | 3518     | 3.168     | ng    | # 93     |
| 18) Hexachloroethane          | 9.461  | 117  | 1534     | 3.487     | ng    | # 78     |
| 19) n-Nitroso-di-n-propyla... | 9.155  | 70   | 3579     | 2.970     | ng    | # 93     |
| 20) 3+4-Methylphenols         | 9.126  | 107  | 4527     | 2.977     | ng    | 98       |
| 22) Acetophenone              | 9.185  | 105  | 6561     | 3.219     | ng    | # 97     |
| 24) Nitrobenzene              | 9.578  | 77   | 6116     | 3.572     | ng    | 90       |
| 25) Isophorone                | 10.095 | 82   | 10222    | 3.107     | ng    | 99       |
| 26) 2-Nitrophenol             | 10.301 | 139  | 2293     | 3.499     | ng    | 89       |
| 27) 2,4-Dimethylphenol        | 10.342 | 122  | 3778     | 3.292     | ng    | 91       |
| 28) bis(2-Chloroethoxy)met... | 10.571 | 93   | 5624     | 3.413     | ng    | # 98     |
| 29) 2,4-Dichlorophenol        | 10.847 | 162  | 4313     | 3.543     | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 11.053 | 180  | 5276     | 3.758     | ng    | 95       |
| 31) Naphthalene               | 11.247 | 128  | 13312    | 3.497     | ng    | 97       |
| 32) Benzoic acid              | 10.342 | 122  | 3778     | 9.865     | ng    | # 10     |
| 33) 4-Chloroaniline           | 11.358 | 127  | 5646     | 3.303     | ng    | # 92     |
| 34) Hexachlorobutadiene       | 11.517 | 225  | 3465     | 3.326     | ng    | # 86     |
| 35) Caprolactam               | 12.098 | 113  | 1094     | 2.631     | ng    | # 64     |
| 36) 4-Chloro-3-methylphenol   | 12.451 | 107  | 4708     | 3.404     | ng    | 91       |
| 37) 2-Methylnaphthalene       | 13.038 | 142  | 9925     | 3.316     | ng    | 93       |
| 38) 1-Methylnaphthalene       | 13.038 | 142  | 9925     | 3.518     | ng    | 94       |
| 40) 1,2,4,5-Tetrachloroben... | 13.191 | 216  | 7494     | 3.623     | ng    | # 98     |
| 41) Hexachlorocyclopentadiene | 13.156 | 237  | 355      | 6.624     | ng    | 78       |
| 43) 2,4,6-Trichlorophenol     | 13.432 | 196  | 4219     | 3.348     | ng    | 85       |

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 Operator : CG/JU  
 Sample : 02213-03  
 Misc : MDL-MDL-SOIL 4ppm  
 ALS Vial : 4 Sample Multiplier: 1

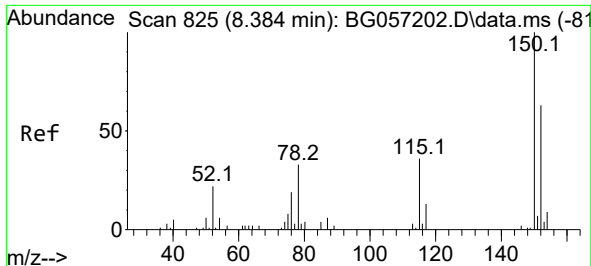
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-03-QT2-2023

Quant Time: May 20 07:02:09 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat May 20 04:19:55 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.432 | 196  | 4219     | 2.846 | ng    | 90       |
| 46) 1,1'-Biphenyl             | 13.808 | 154  | 15616    | 3.612 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.861 | 162  | 11929    | 3.710 | ng    | 98       |
| 48) 2-Nitroaniline            | 14.066 | 65   | 3154     | 2.885 | ng    | 97       |
| 49) Acenaphthylene            | 14.701 | 152  | 18378    | 3.518 | ng    | 99       |
| 50) Dimethylphthalate         | 14.407 | 163  | 16032    | 3.348 | ng    | 97       |
| 51) 2,6-Dinitrotoluene        | 14.542 | 165  | 3423     | 3.501 | ng    | # 74     |
| 52) Acenaphthene              | 15.036 | 154  | 11662    | 3.573 | ng    | 93       |
| 53) 3-Nitroaniline            | 14.877 | 138  | 3284     | 3.353 | ng    | 96       |
| 55) Dibenzofuran              | 15.365 | 168  | 20157    | 3.675 | ng    | # 89     |
| 56) 4-Nitrophenol             | 15.206 | 139  | 1312     | 2.014 | ng    | # 67     |
| 57) 2,4-Dinitrotoluene        | 15.329 | 165  | 4577     | 3.276 | ng    | # 84     |
| 58) Fluorene                  | 16.011 | 166  | 15894    | 3.518 | ng    | # 94     |
| 59) 2,3,4,6-Tetrachlorophenol | 15.600 | 232  | 4115     | 3.062 | ng    | # 98     |
| 60) Diethylphthalate          | 15.752 | 149  | 16389    | 3.370 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.987 | 204  | 9262     | 3.403 | ng    | 97       |
| 62) 4-Nitroaniline            | 16.028 | 138  | 3015     | 3.051 | ng    | 83       |
| 63) Azobenzene                | 16.287 | 77   | 14242    | 3.035 | ng    | 94       |
| 65) 4,6-Dinitro-2-methylph... | 16.111 | 198  | 1532     | 1.730 | ng    | 86       |
| 66) n-Nitrosodiphenylamine    | 16.205 | 169  | 14151    | 3.513 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 16.886 | 248  | 6208     | 3.429 | ng    | 87       |
| 68) Hexachlorobenzene         | 17.015 | 284  | 7090     | 4.030 | ng    | 94       |
| 69) Atrazine                  | 17.133 | 200  | 5960     | 3.879 | ng    | 90       |
| 70) Pentachlorophenol         | 17.415 | 266  | 684      | 0.675 | ng    | # 55     |
| 71) Phenanthrene              | 17.755 | 178  | 27308    | 3.594 | ng    | 99       |
| 72) Anthracene                | 17.844 | 178  | 27144    | 3.481 | ng    | 100      |
| 73) Carbazole                 | 18.108 | 167  | 22383    | 3.410 | ng    | 97       |
| 74) Di-n-butylphthalate       | 18.625 | 149  | 23749    | 3.144 | ng    | 98       |
| 75) Fluoranthene              | 19.747 | 202  | 31895    | 3.375 | ng    | 97       |
| 77) Benzidine                 | 19.911 | 184  | 11479    | 3.740 | ng    | 97       |
| 78) Pyrene                    | 20.105 | 202  | 33502    | 3.358 | ng    | 97       |
| 80) Butylbenzylphthalate      | 20.951 | 149  | 10230    | 3.232 | ng    | 91       |
| 81) Benzo(a)anthracene        | 21.997 | 228  | 33922    | 3.468 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.897 | 252  | 12596    | 4.020 | ng    | 92       |
| 83) Chrysene                  | 22.067 | 228  | 31815    | 3.457 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.844 | 149  | 15670    | 3.346 | ng    | 93       |
| 85) Di-n-octyl phthalate      | 23.130 | 149  | 26422    | 3.384 | ng    | # 95     |
| 87) Indeno(1,2,3-cd)pyrene    | 29.551 | 276  | 36468    | 3.453 | ng    | # 97     |
| 88) Benzo(b)fluoranthene      | 24.388 | 252  | 33600    | 3.547 | ng    | 97       |
| 89) Benzo(k)fluoranthene      | 24.470 | 252  | 33859    | 3.518 | ng    | 98       |
| 90) Benzo(a)pyrene            | 25.351 | 252  | 28516    | 3.082 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene    | 29.610 | 278  | 30004    | 3.412 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 30.826 | 276  | 29079    | 3.386 | ng    | 94       |

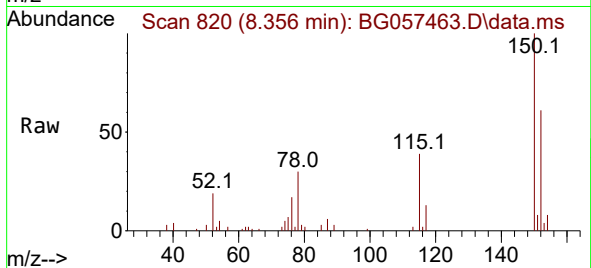
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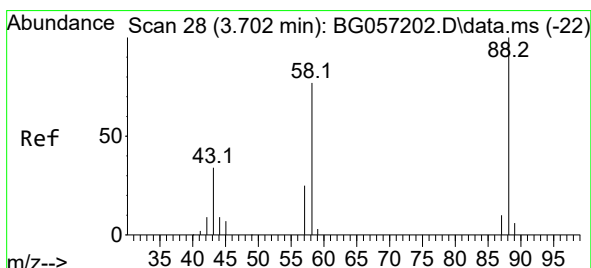
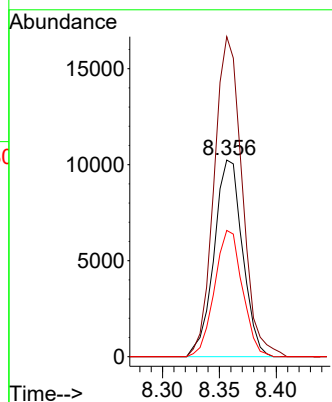
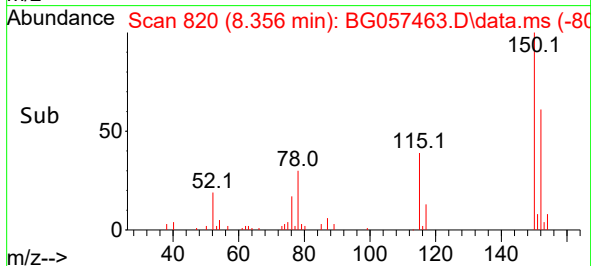


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.356 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

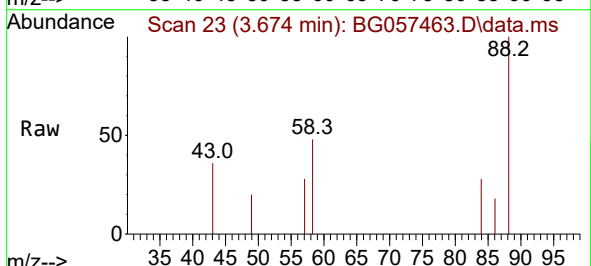
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT2-2023



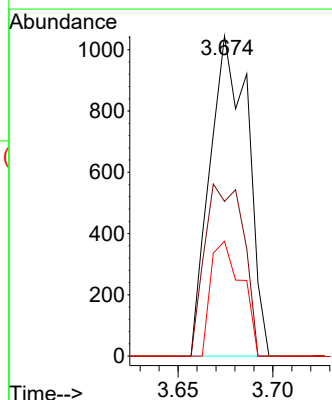
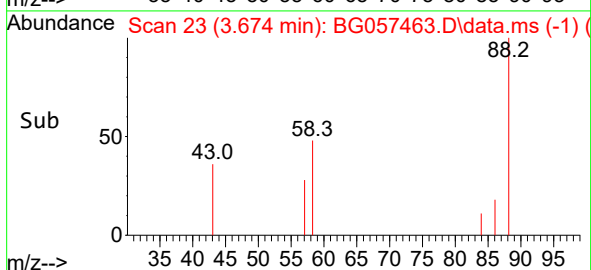
Tgt Ion:152 Resp: 17801  
Ion Ratio Lower Upper  
152 100  
150 162.7 126.2 189.4  
115 64.2 45.0 67.4

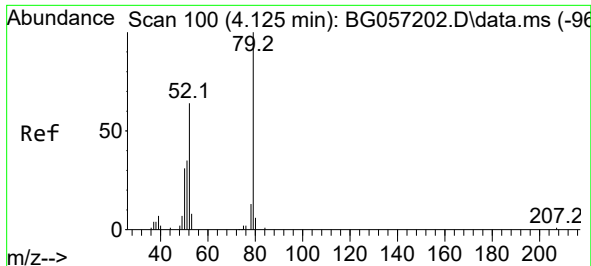


#2  
1,4-Dioxane  
Concen: 3.382 ng  
RT: 3.674 min Scan# 23  
Delta R.T. 0.001 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30



Tgt Ion: 88 Resp: 1455  
Ion Ratio Lower Upper  
88 100  
58 54.8 57.1 85.7#  
43 29.2 24.4 36.6

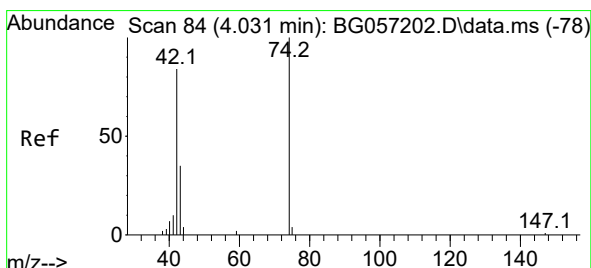
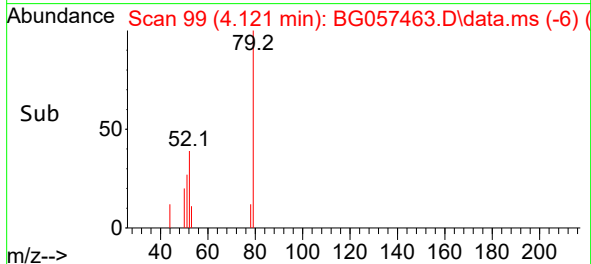
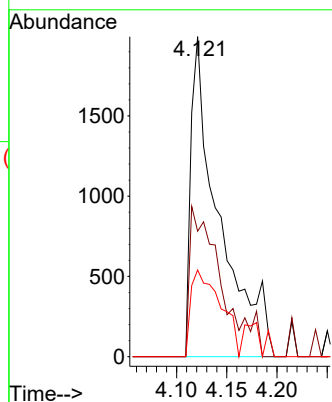
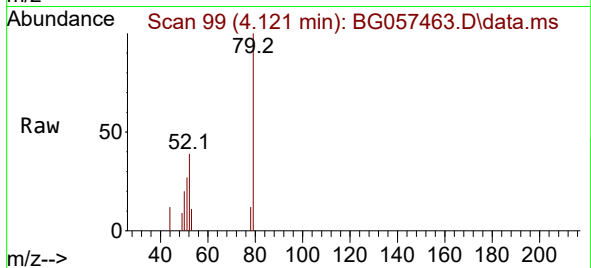




#3  
Pyridine  
Concen: 2.785 ng  
RT: 4.121 min Scan# 99  
Delta R.T. 0.018 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

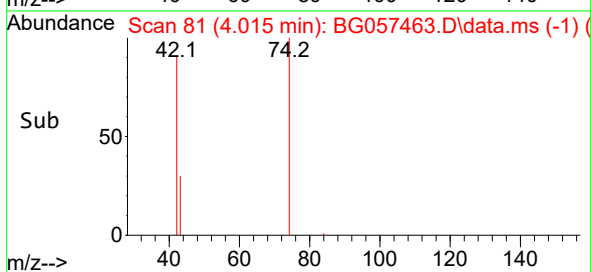
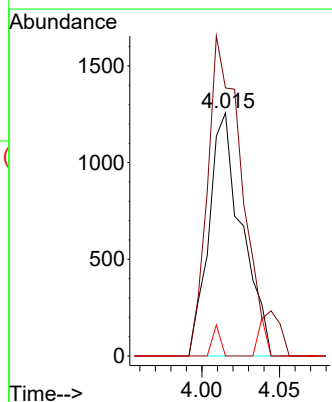
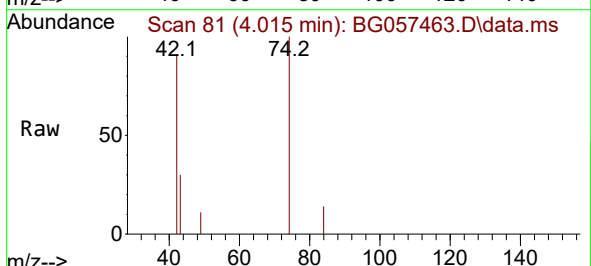
Instrument :  
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ClientSampleId :  
MDL-SOIL-03-QT2-2023

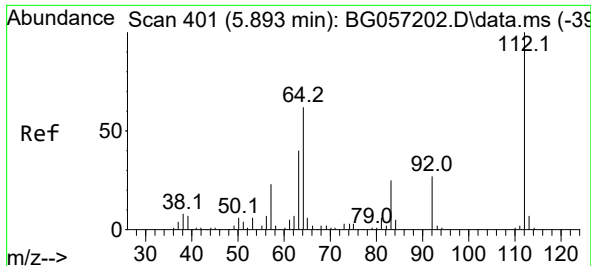
Tgt Ion: 79 Resp: 3851  
Ion Ratio Lower Upper  
79 100  
52 39.2 51.4 77.0#  
51 27.1 28.0 42.0#



#4  
n-Nitrosodimethylamine  
Concen: 2.845 ng  
RT: 4.015 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

Tgt Ion: 42 Resp: 1849  
Ion Ratio Lower Upper  
42 100  
74 110.3 95.1 142.7  
44 0.0 5.8 8.8#

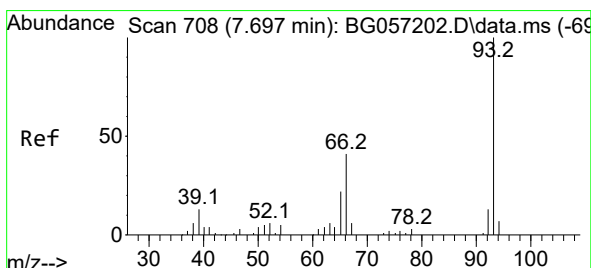
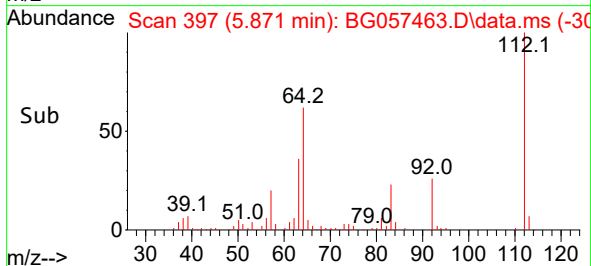
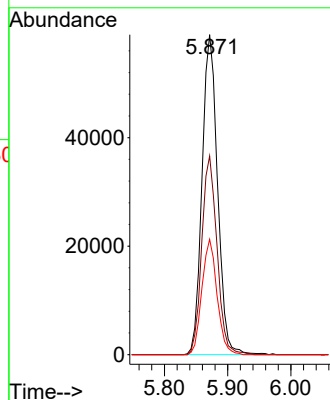
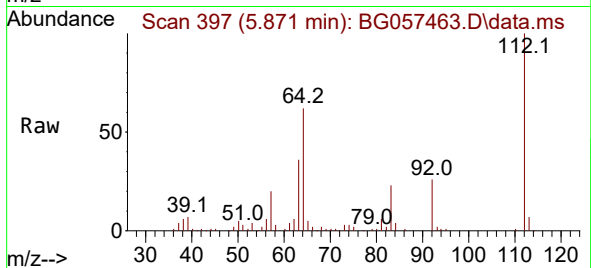




#5  
2-Fluorophenol  
Concen: 96.553 ng  
RT: 5.871 min Scan# 397  
Delta R.T. 0.001 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

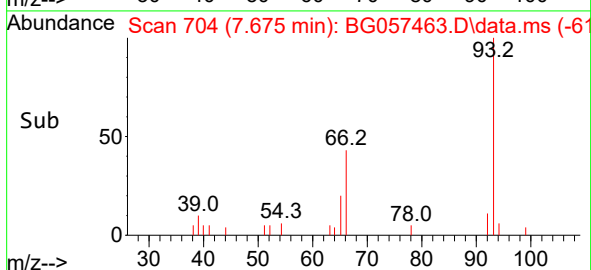
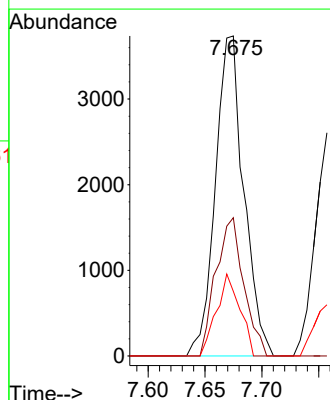
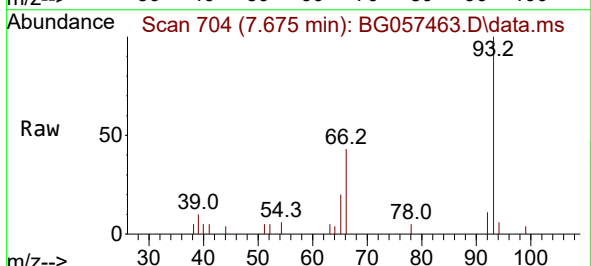
Instrument :  
BNA\_G  
ClientSampleId :  
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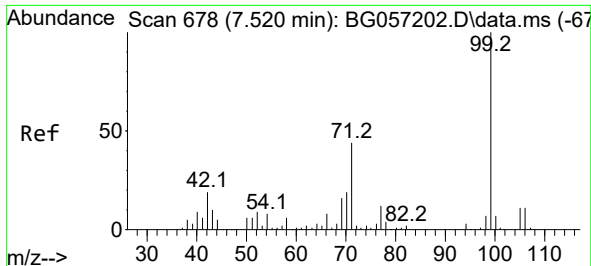
Tgt Ion:112 Resp: 100475  
Ion Ratio Lower Upper  
112 100  
64 62.1 49.4 74.2  
63 36.1 31.6 47.4



#6  
Aniline  
Concen: 3.239 ng  
RT: 7.675 min Scan# 704  
Delta R.T. 0.001 min  
Lab File: BG057463.D  
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Tgt Ion: 93 Resp: 6493  
Ion Ratio Lower Upper  
93 100  
66 43.2 33.0 49.6  
65 20.2 18.0 27.0

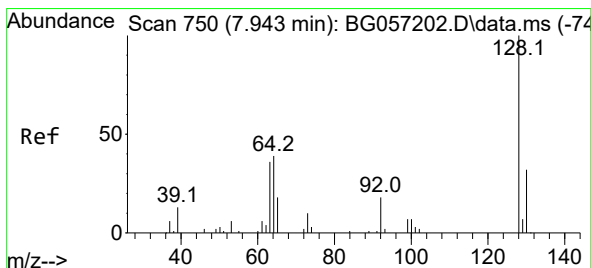
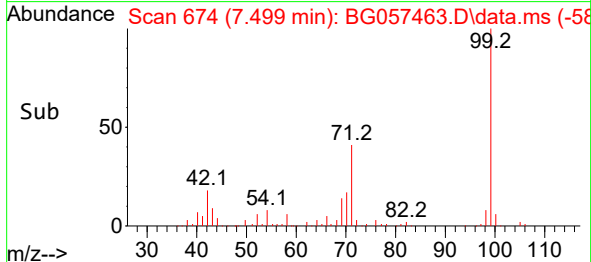
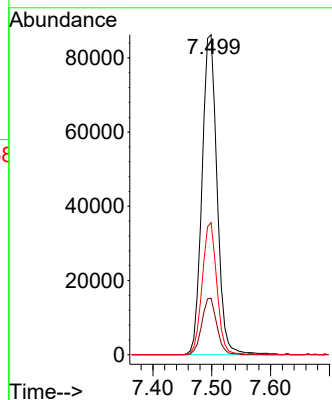
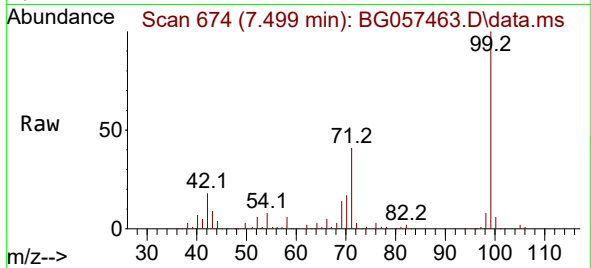




#7  
Phenol-d6  
Concen: 97.125 ng  
RT: 7.499 min Scan# 61  
Delta R.T. 0.001 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

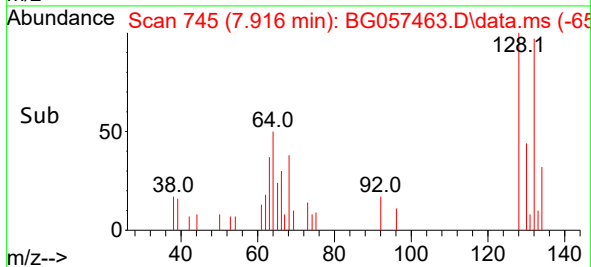
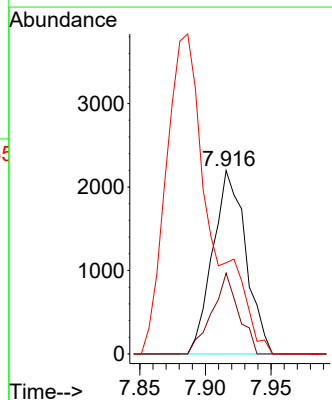
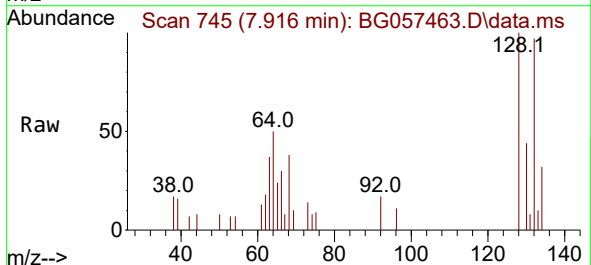
Instrument :  
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ClientSampleId :  
MDL-SOIL-03-QT2-2023

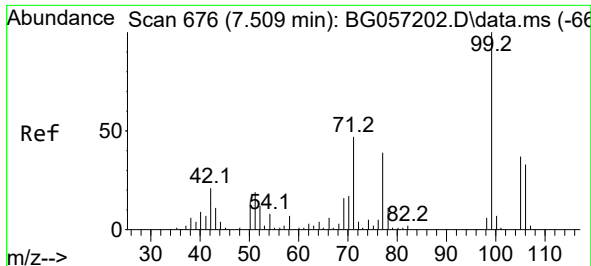
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Ion Ratio Lower Upper  
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42 17.7 15.1 22.7  
71 41.3 35.2 52.8



#8  
2-Chlorophenol  
Concen: 3.493 ng  
RT: 7.916 min Scan# 745  
Delta R.T. -0.005 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

Tgt Ion: 128 Resp: 3841  
Ion Ratio Lower Upper  
128 100  
130 44.1 12.2 52.2  
64 49.7 28.4 68.4

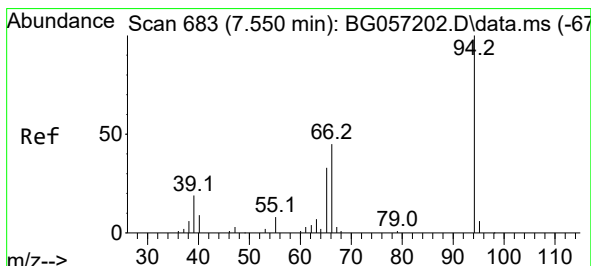
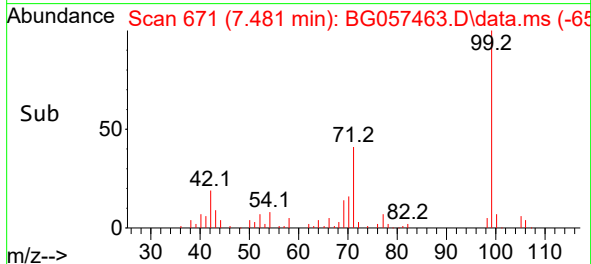
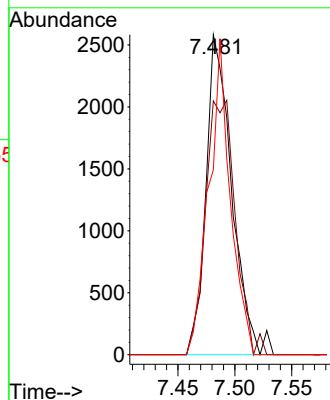
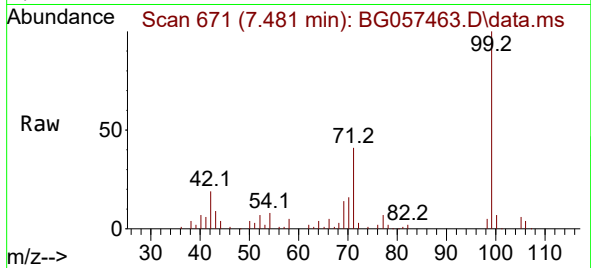




#9  
Benzaldehyde  
Concen: Below Cal  
RT: 7.481 min Scan# 61  
Delta R.T. -0.005 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

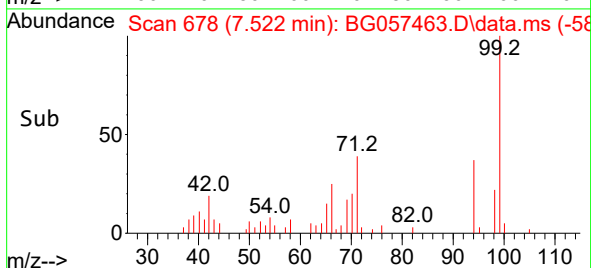
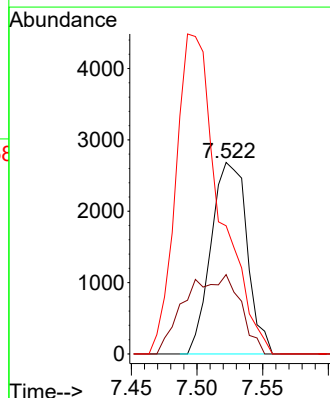
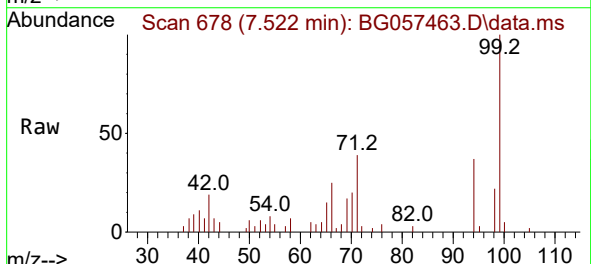
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT2-2023

Tgt Ion: 77 Resp: 4089  
Ion Ratio Lower Upper  
77 100  
105 79.3 74.6 114.6  
106 57.8 66.3 106.3#

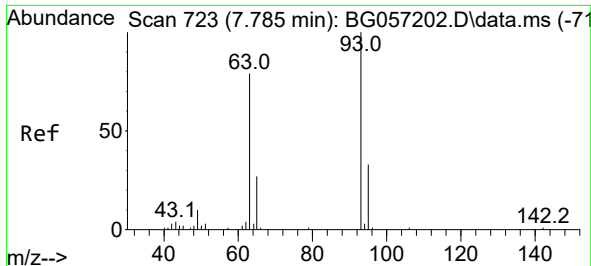


#10  
Phenol  
Concen: 3.320 ng  
RT: 7.522 min Scan# 678  
Delta R.T. -0.005 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

Tgt Ion: 94 Resp: 5114  
Ion Ratio Lower Upper  
94 100  
65 41.4 13.5 53.5  
66 66.9 26.7 66.7#







#11

bis(2-Chloroethyl)ether

Concen: 3.462 ng

RT: 7.757 min Scan# 718

Delta R.T. -0.005 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT2-2023

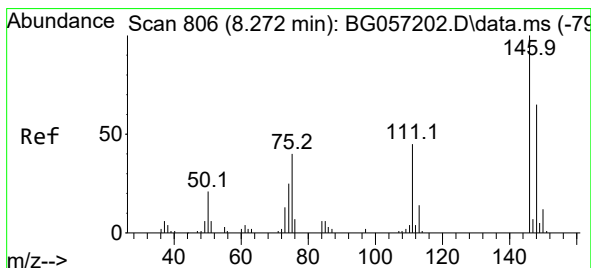
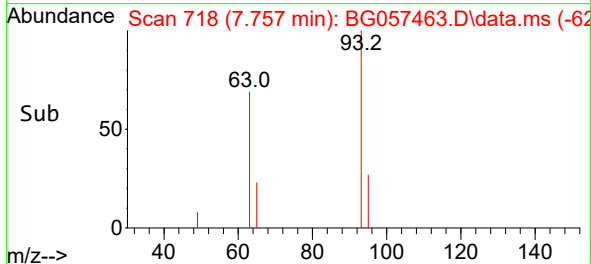
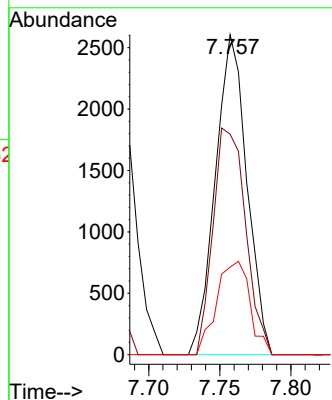
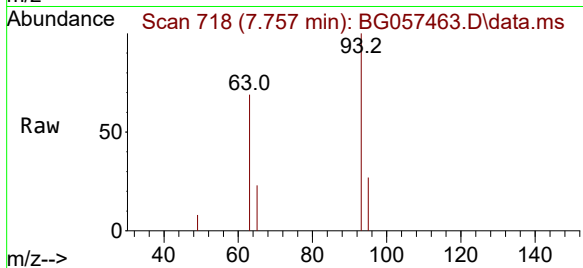
Tgt Ion: 93 Resp: 4021

Ion Ratio Lower Upper

93 100

63 68.9 58.6 98.6

95 27.4 12.2 52.2



#12

1,3-Dichlorobenzene

Concen: 3.710 ng

RT: 8.245 min Scan# 801

Delta R.T. -0.005 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

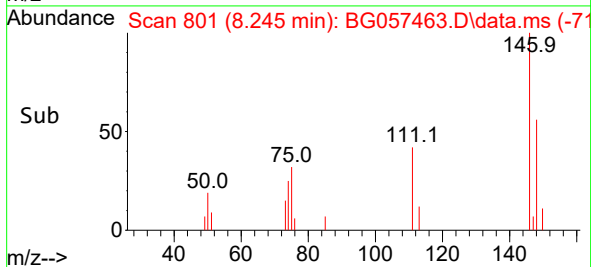
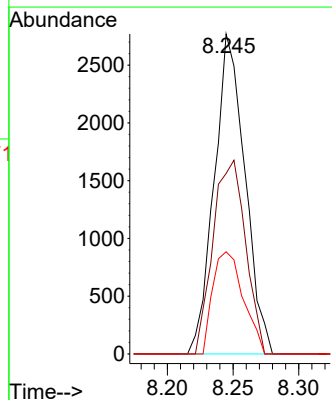
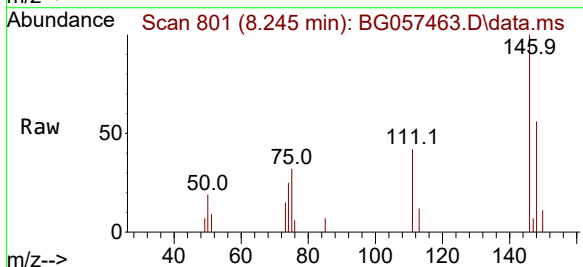
Tgt Ion:146 Resp: 4502

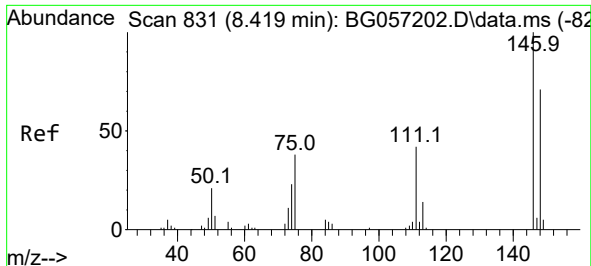
Ion Ratio Lower Upper

146 100

148 56.4 52.2 78.2

75 31.9 31.7 47.5

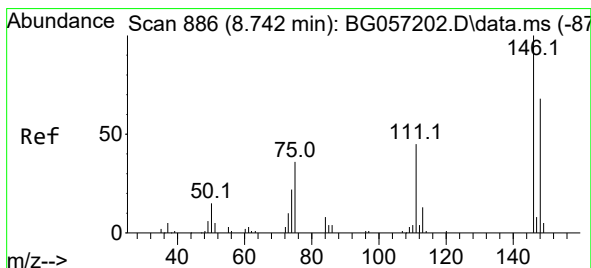
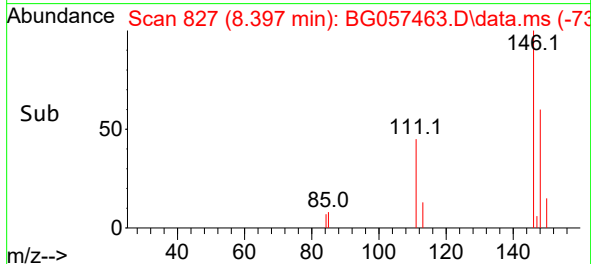
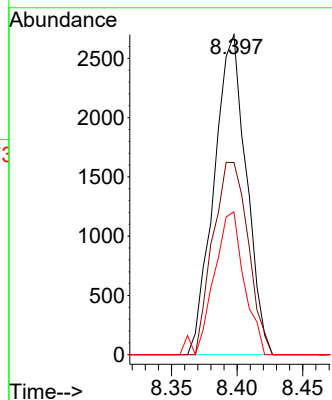
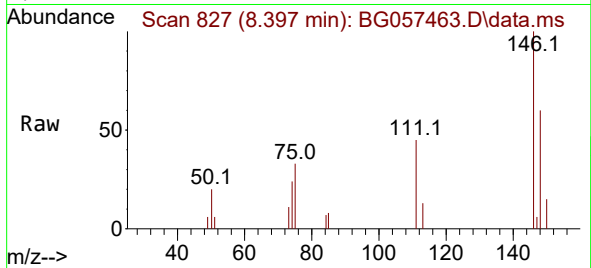




#13  
1,4-Dichlorobenzene  
Concen: 3.782 ng  
RT: 8.397 min Scan# 81  
Delta R.T. 0.001 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

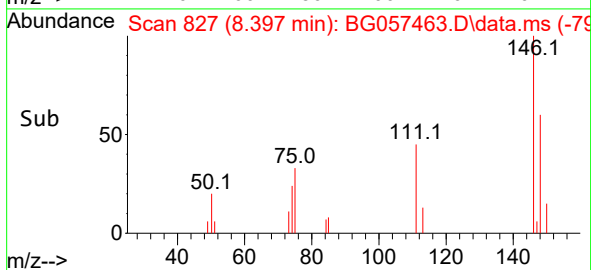
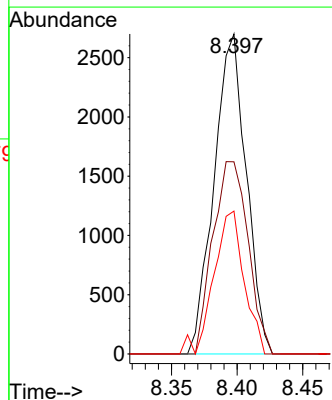
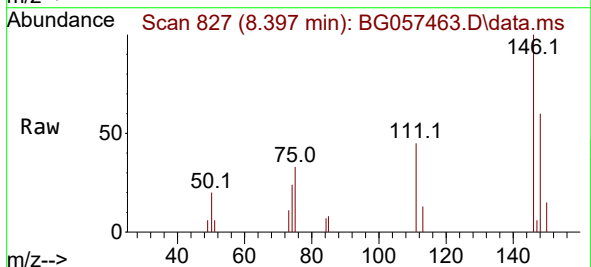
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT2-2023

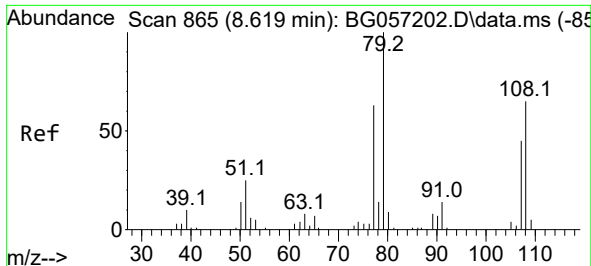
Tgt Ion:146 Resp: 4611  
Ion Ratio Lower Upper  
146 100  
148 60.0 56.4 84.6  
111 44.6 33.8 50.6



#14  
1,2-Dichlorobenzene  
Concen: 3.918 ng  
RT: 8.397 min Scan# 827  
Delta R.T. -0.322 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

Tgt Ion:146 Resp: 4611  
Ion Ratio Lower Upper  
146 100  
148 60.0 54.6 82.0  
111 44.6 37.2 55.8

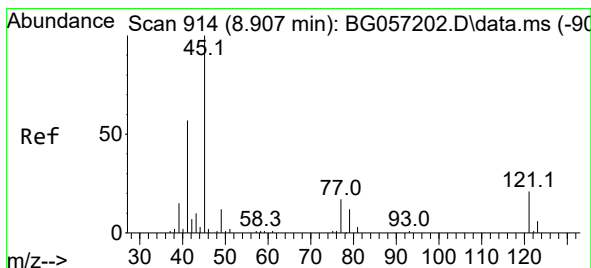
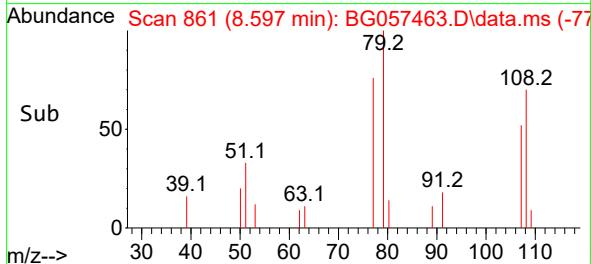
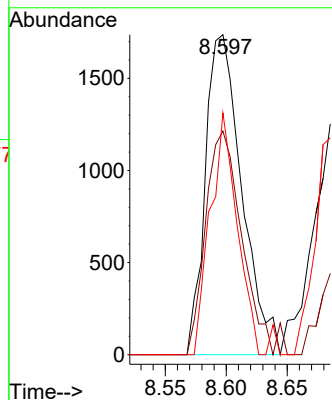
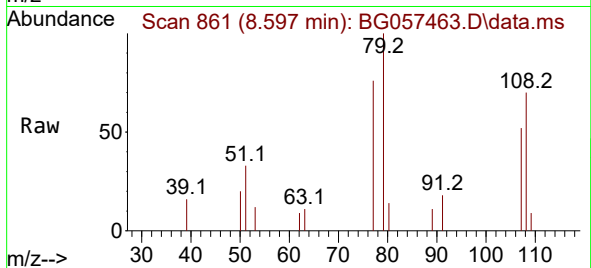




#15  
Benzyl Alcohol  
Concen: 2.740 ng  
RT: 8.597 min Scan# 80  
Delta R.T. 0.001 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

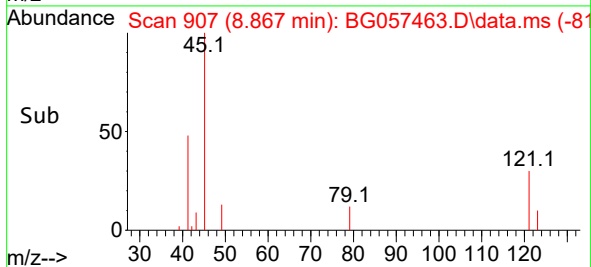
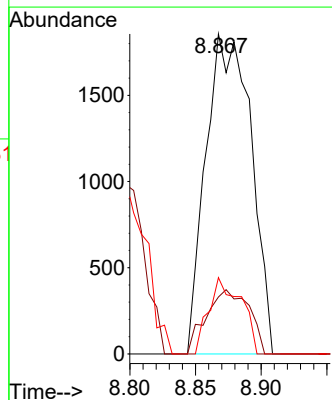
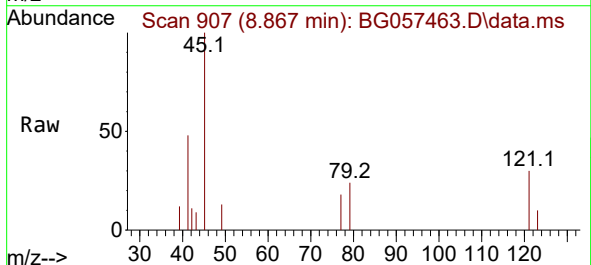
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT2-2023

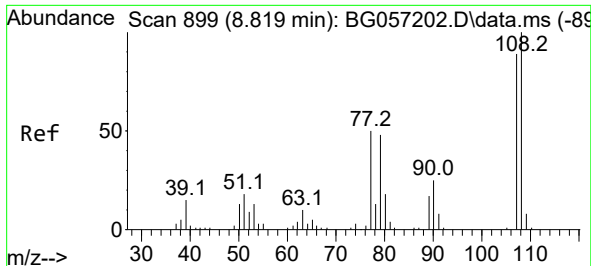
Tgt Ion: 79 Resp: 3607  
Ion Ratio Lower Upper  
79 100  
108 69.9 52.2 78.2  
77 75.5 50.1 75.1#



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 3.034 ng  
RT: 8.867 min Scan# 907  
Delta R.T. -0.011 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

Tgt Ion: 45 Resp: 4442  
Ion Ratio Lower Upper  
45 100  
77 17.8 0.0 38.5  
79 23.8 0.0 33.8





#17

2-Methylphenol

Concen: 3.168 ng

RT: 8.791 min Scan# 899

Delta R.T. -0.005 min

Lab File: BG057463.D

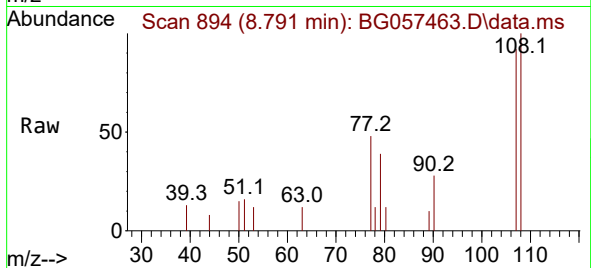
Acq: 19 May 2023 11:30

Instrument :

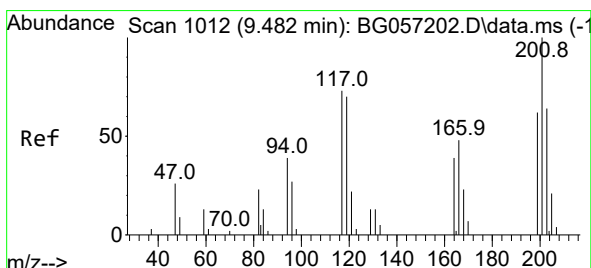
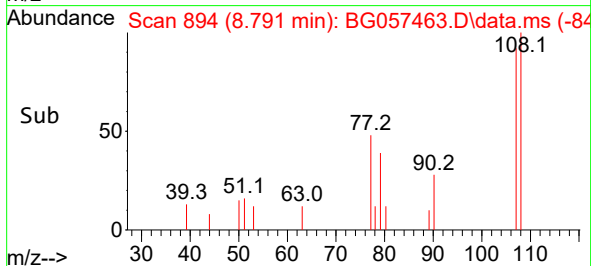
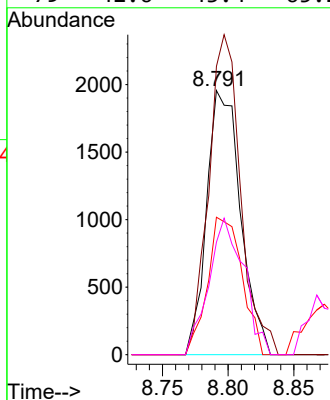
BNA\_G

ClientSampleId :

MDL-SOIL-03-QT2-2023



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 3518  |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 109.1 | 89.5  | 134.3 |
| 77       | 52.0  | 45.1  | 67.7  |
| 79       | 42.6  | 43.4  | 65.2  |



#18

Hexachloroethane

Concen: 3.487 ng

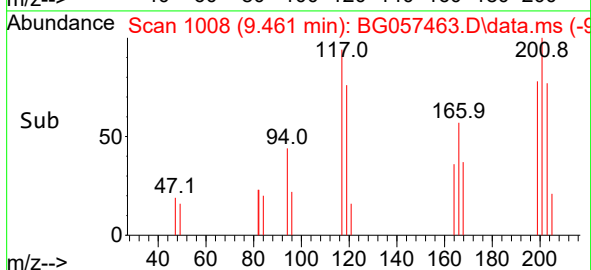
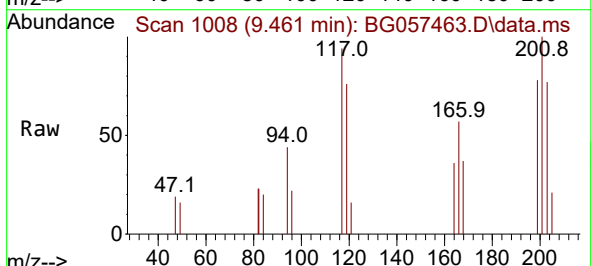
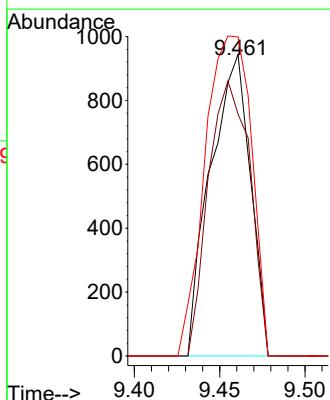
RT: 9.461 min Scan# 1008

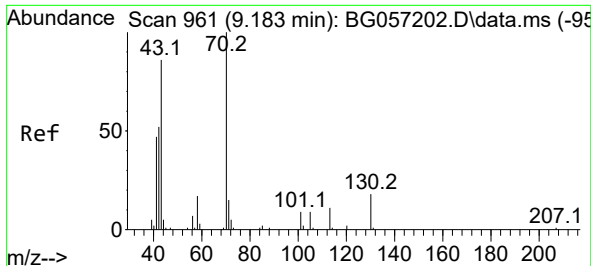
Delta R.T. 0.006 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 1534  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 80.2  | 76.7  | 115.1 |
| 201      | 105.8 | 109.0 | 163.4 |

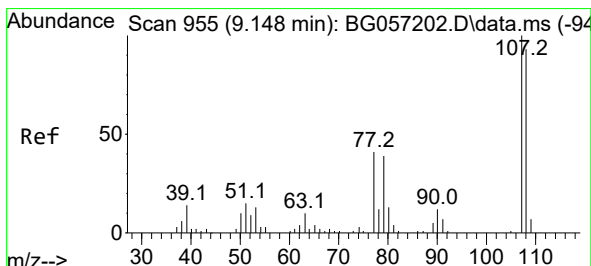
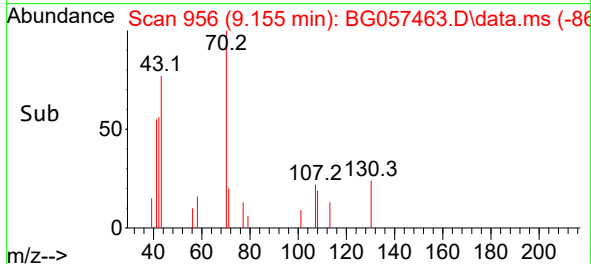
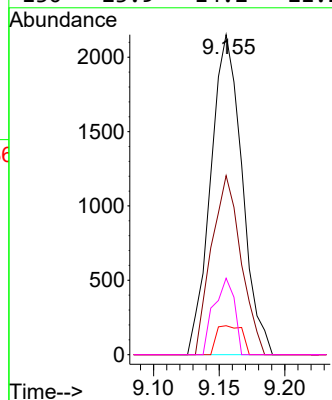
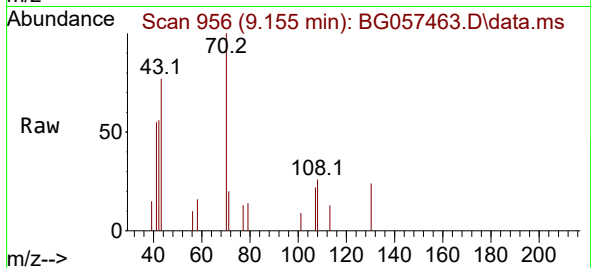




#19  
n-Nitroso-di-n-propylamine  
Concen: 2.970 ng  
RT: 9.155 min Scan# 91  
Delta R.T. -0.005 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

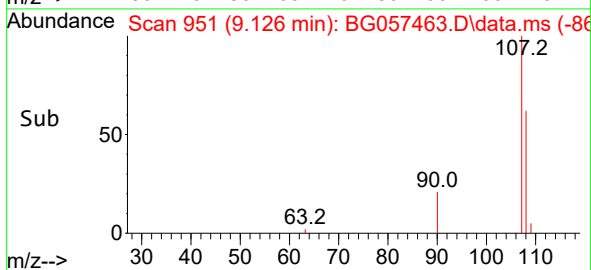
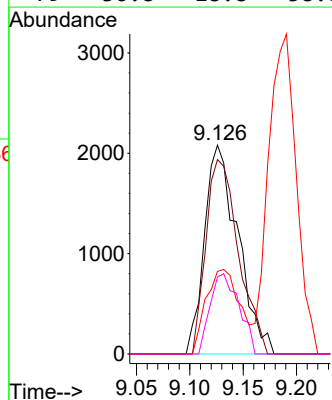
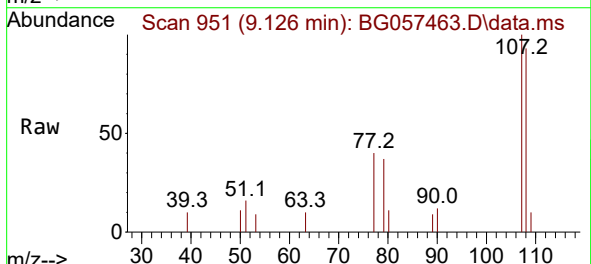
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT2-2023

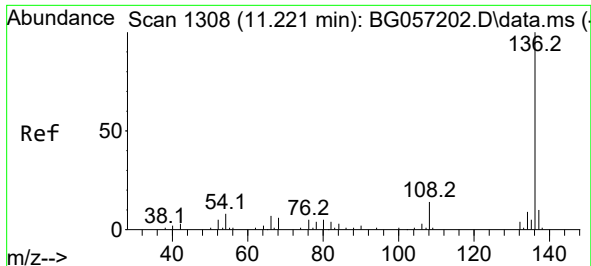
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 3579  |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 55.9  | 41.8  | 62.8  |
| 101      | 9.0   | 6.8   | 10.2  |
| 130      | 23.9  | 14.2  | 21.2  |



#20  
3+4-Methylphenols  
Concen: 2.977 ng  
RT: 9.126 min Scan# 951  
Delta R.T. 0.001 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 4527  |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 93.1  | 73.5  | 113.5 |
| 77       | 39.5  | 21.1  | 61.1  |
| 79       | 36.8  | 18.8  | 58.8  |

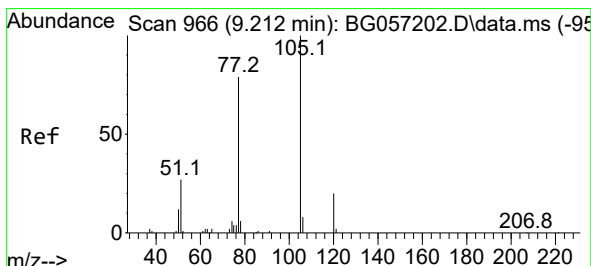
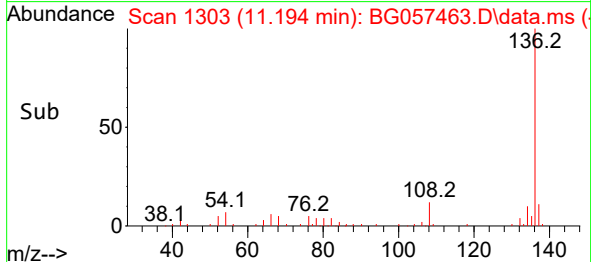
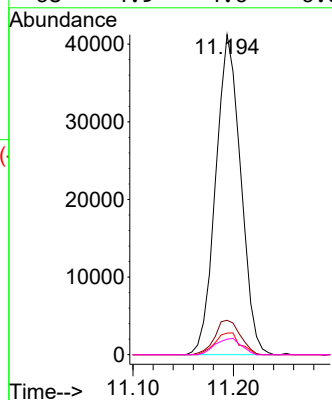
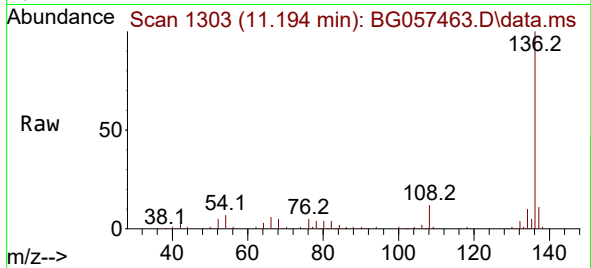




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.194 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

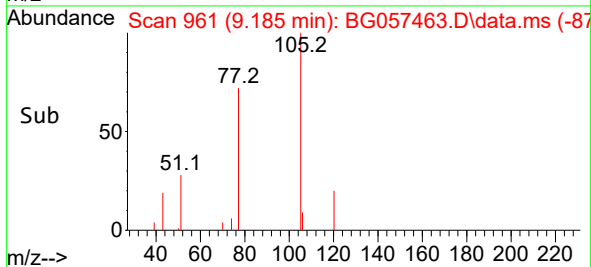
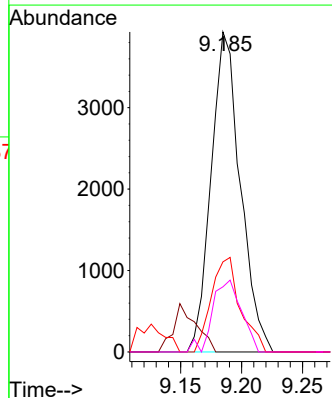
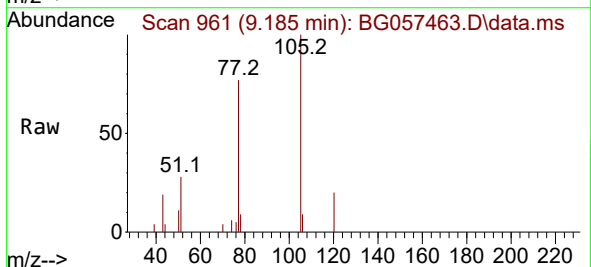
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT2-2023

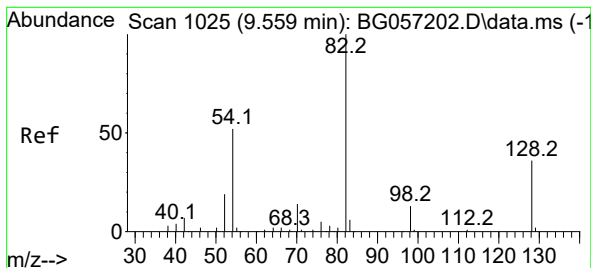
Tgt Ion:136 Resp: 71202  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.3 12.5  
54 6.8 6.7 10.1  
68 4.9 4.6 6.8



#22  
Acetophenone  
Concen: 3.219 ng  
RT: 9.185 min Scan# 961  
Delta R.T. -0.005 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

Tgt Ion:105 Resp: 6561  
Ion Ratio Lower Upper  
105 100  
71 0.0 0.4 0.6#  
51 28.2 24.0 36.0  
120 20.4 15.8 23.8





#23

Nitrobenzene-d5

Concen: 67.504 ng

RT: 9.537 min Scan# 1021

Delta R.T. 0.001 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT2-2023

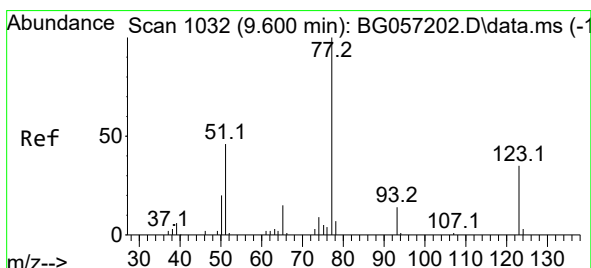
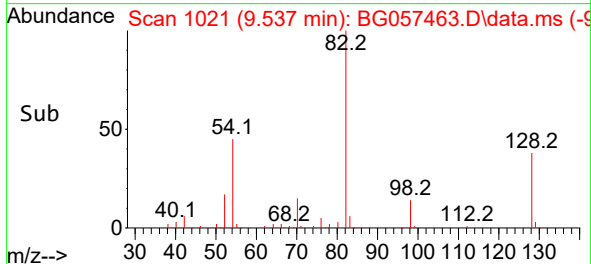
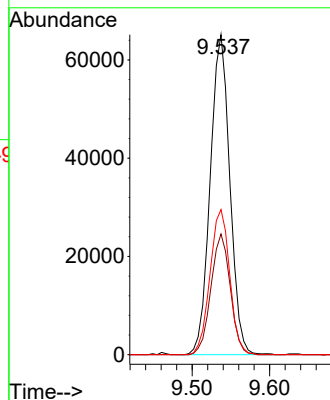
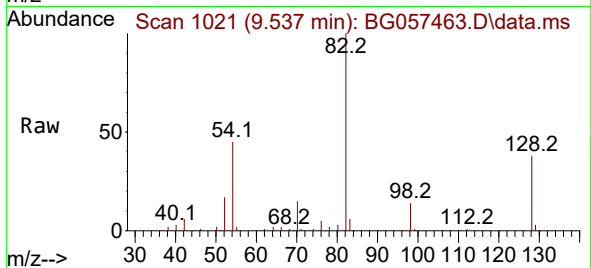
Tgt Ion: 82 Resp: 114518

Ion Ratio Lower Upper

82 100

128 37.7 29.0 43.4

54 45.4 41.4 62.0



#24

Nitrobenzene

Concen: 3.572 ng

RT: 9.578 min Scan# 1028

Delta R.T. -0.005 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

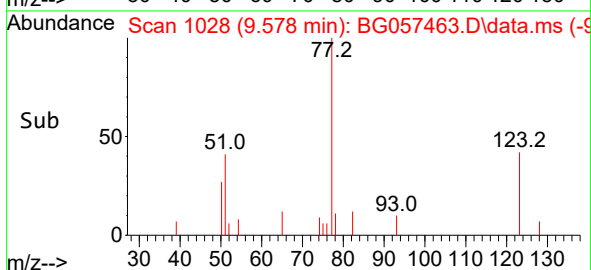
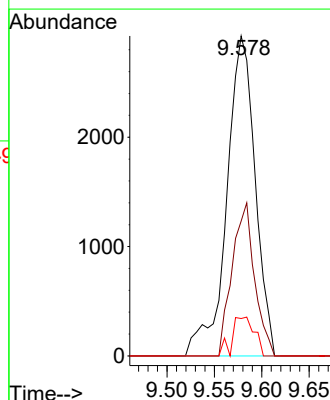
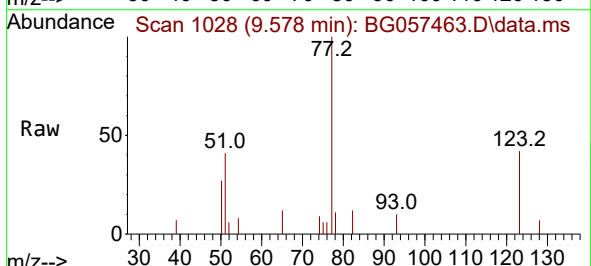
Tgt Ion: 77 Resp: 6116

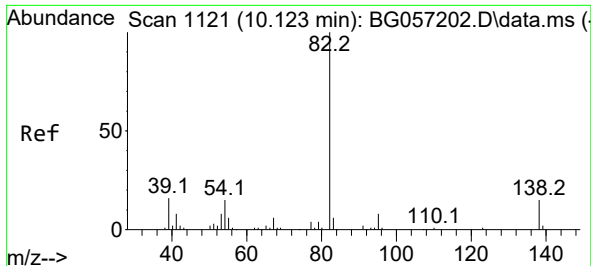
Ion Ratio Lower Upper

77 100

123 42.1 28.2 42.2

65 11.7 11.7 17.5

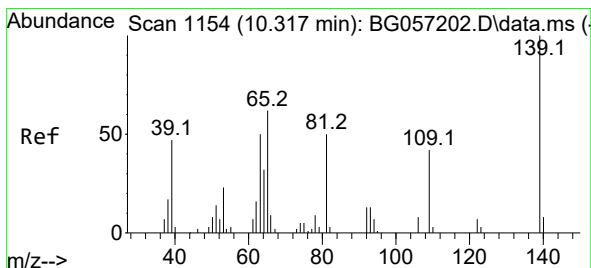
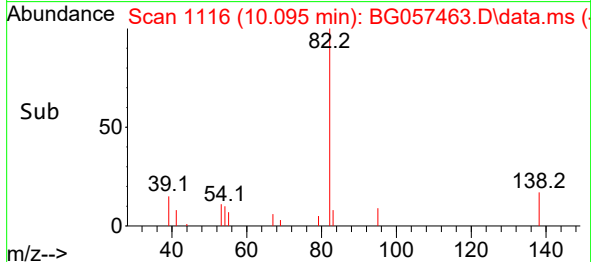
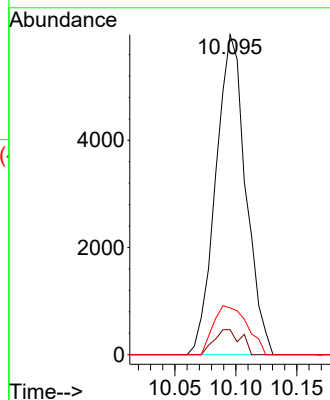
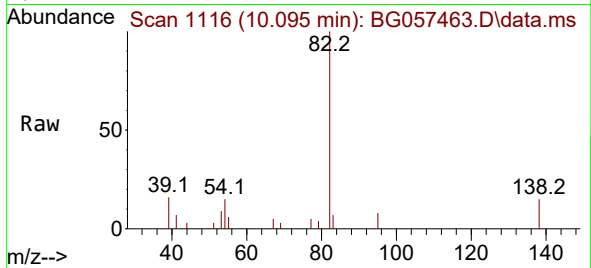




#25  
Isophorone  
Concen: 3.107 ng  
RT: 10.095 min Scan# 1116  
Delta R.T. -0.005 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

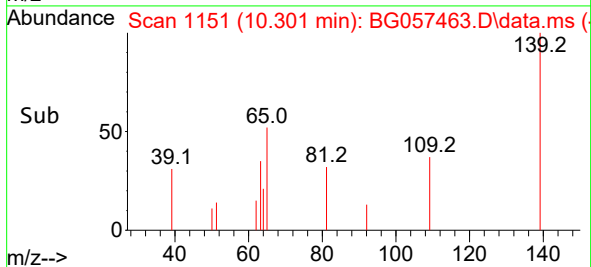
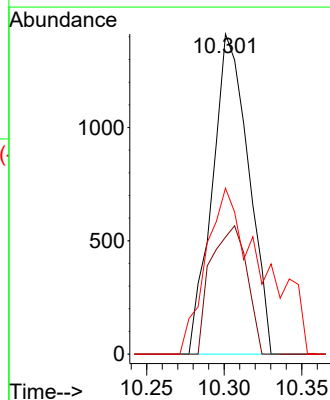
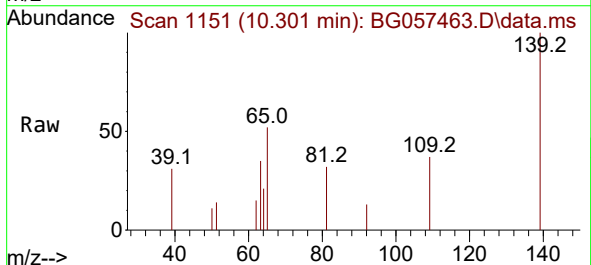
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT2-2023

Tgt Ion: 82 Resp: 10222  
Ion Ratio Lower Upper  
82 100  
95 7.8 6.4 9.6  
138 14.7 12.3 18.5

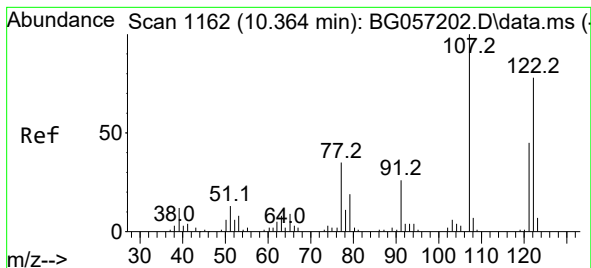


#26  
2-Nitrophenol  
Concen: 3.499 ng  
RT: 10.301 min Scan# 1151  
Delta R.T. 0.001 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

Tgt Ion:139 Resp: 2293  
Ion Ratio Lower Upper  
139 100  
109 36.5 33.4 50.2  
65 51.8 49.8 74.6







#27

2,4-Dimethylphenol

Concen: 3.292 ng

RT: 10.342 min Scan# 1158

Delta R.T. 0.001 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT2-2023

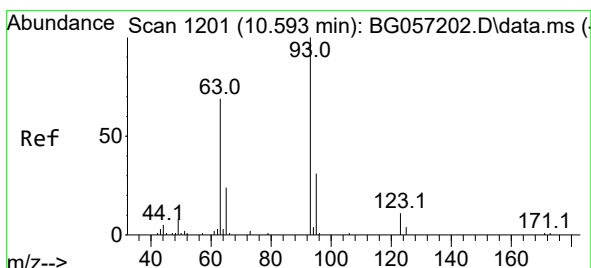
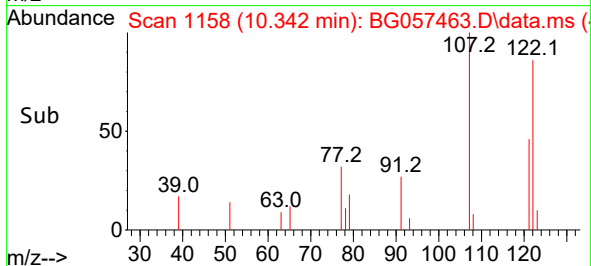
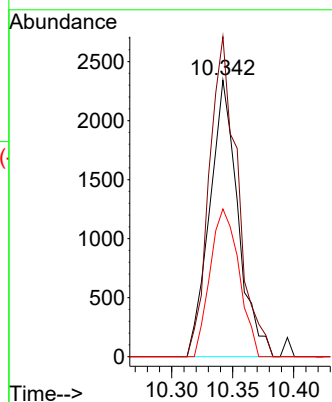
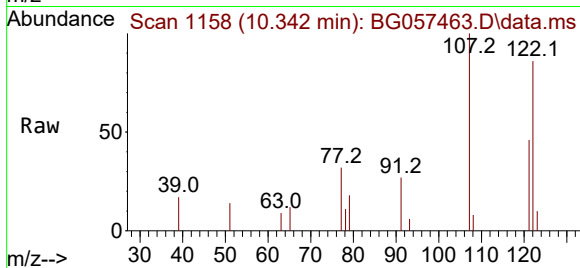
Tgt Ion:122 Resp: 3778

Ion Ratio Lower Upper

122 100

107 115.8 103.0 154.4

121 53.4 45.9 68.9



#28

bis(2-Chloroethoxy)methane

Concen: 3.413 ng

RT: 10.571 min Scan# 1197

Delta R.T. 0.001 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

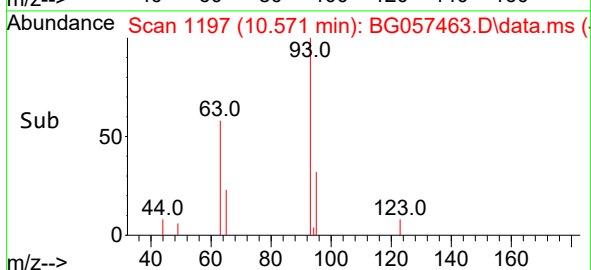
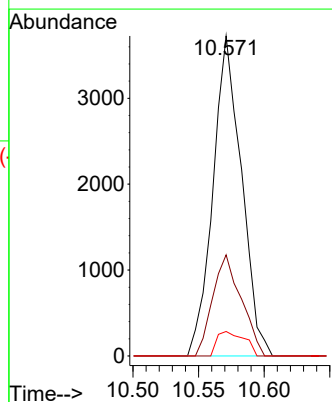
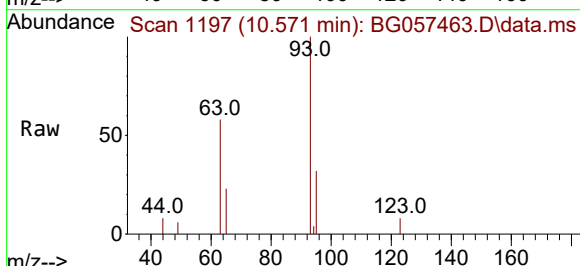
Tgt Ion: 93 Resp: 5624

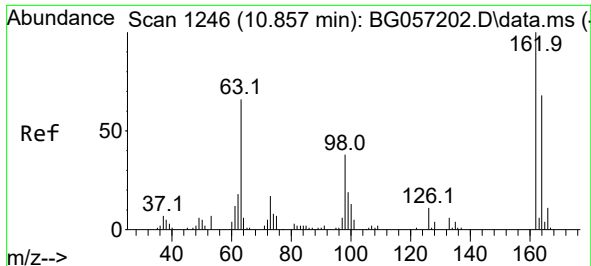
Ion Ratio Lower Upper

93 100

95 31.6 25.0 37.6

123 7.6 8.5 12.7#





#29

2,4-Dichlorophenol

Concen: 3.543 ng

RT: 10.847 min Scan# 1246

Delta R.T. 0.006 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT2-2023

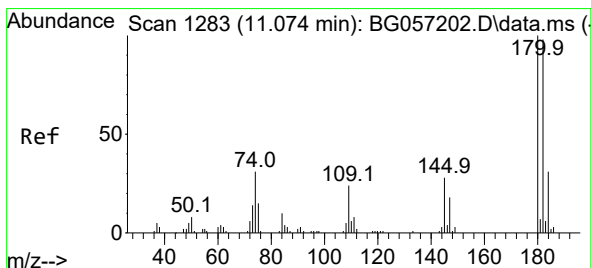
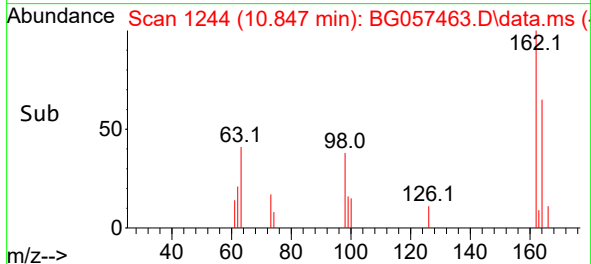
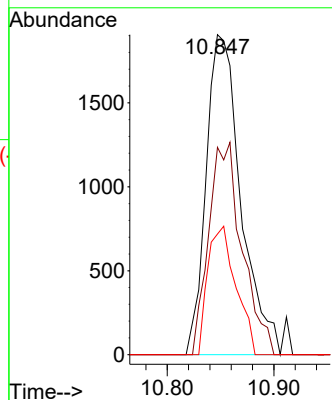
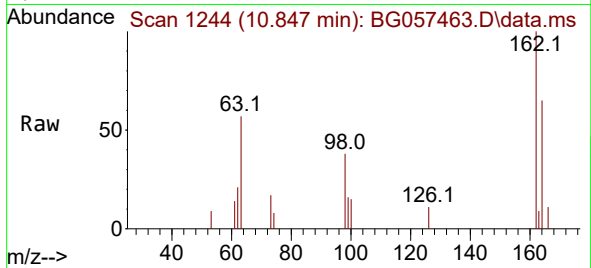
Tgt Ion:162 Resp: 4313

Ion Ratio Lower Upper

162 100

164 64.8 48.4 88.4

98 37.7 17.6 57.6



#30

1,2,4-Trichlorobenzene

Concen: 3.758 ng

RT: 11.053 min Scan# 1279

Delta R.T. 0.001 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

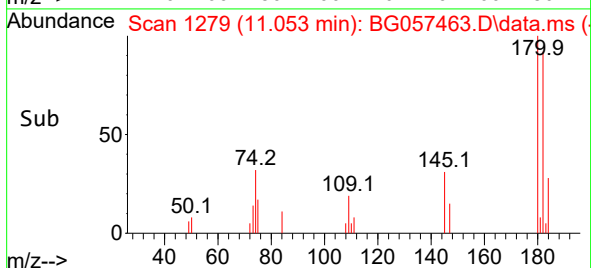
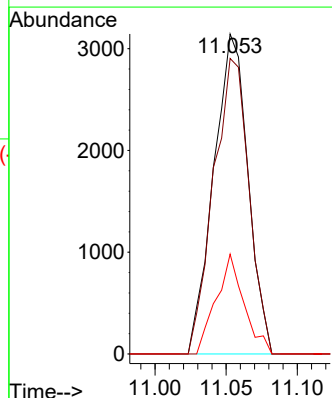
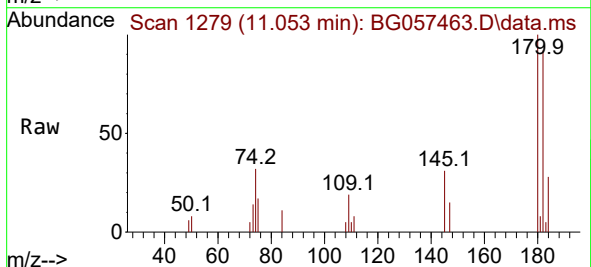
Tgt Ion:180 Resp: 5276

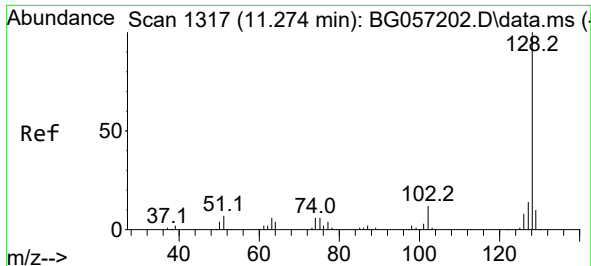
Ion Ratio Lower Upper

180 100

182 92.3 78.0 117.0

145 31.2 22.4 33.6

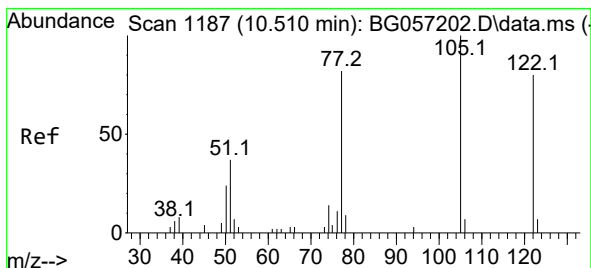
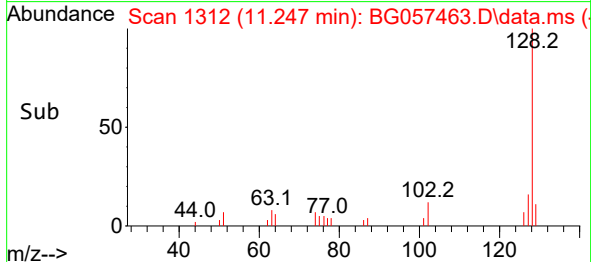
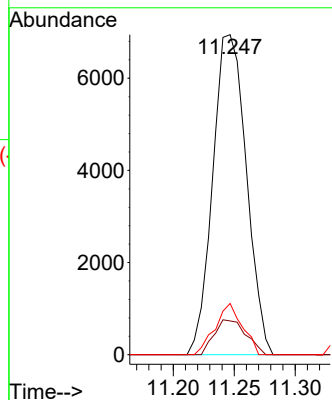
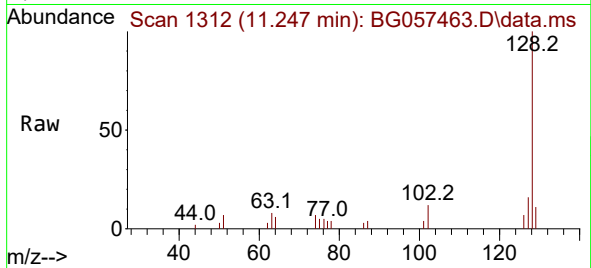




#31  
Naphthalene  
Concen: 3.497 ng  
RT: 11.247 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

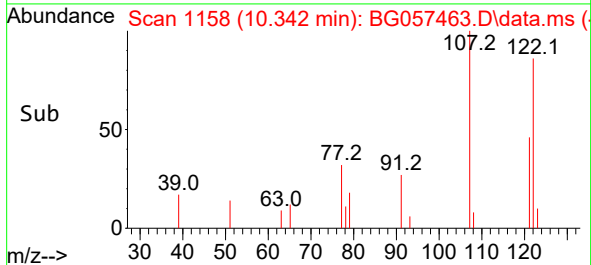
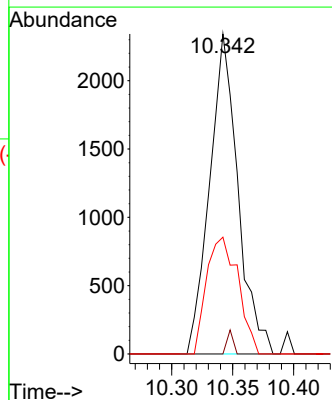
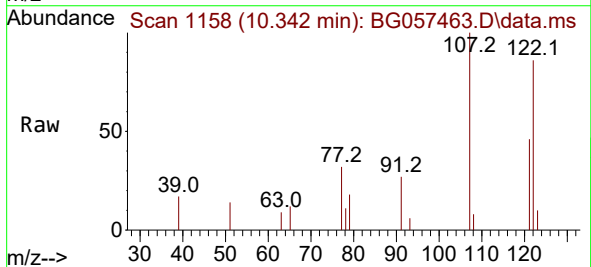
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT2-2023

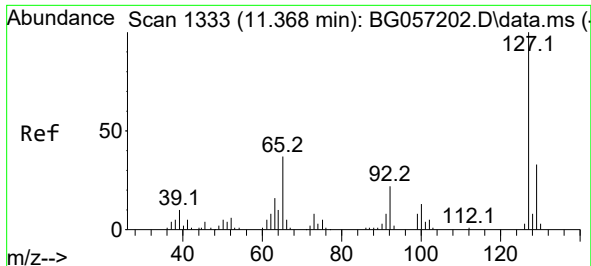
Tgt Ion:128 Resp: 13312  
Ion Ratio Lower Upper  
128 100  
129 10.5 8.3 12.5  
127 16.0 11.1 16.7



#32  
Benzoic acid  
Concen: 9.865 ng  
RT: 10.342 min Scan# 1158  
Delta R.T. -0.146 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

Tgt Ion:122 Resp: 3778  
Ion Ratio Lower Upper  
122 100  
105 0.0 105.2 145.2#  
77 36.5 83.1 123.1#

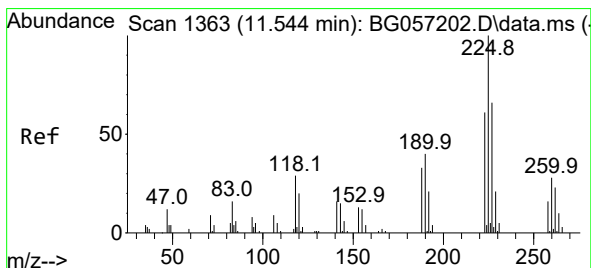
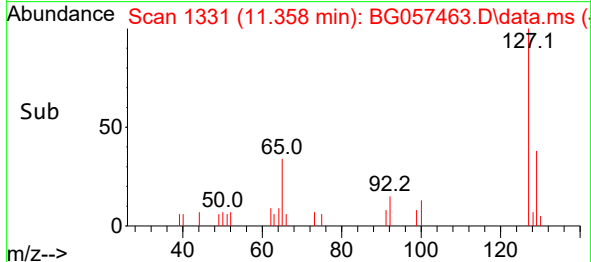
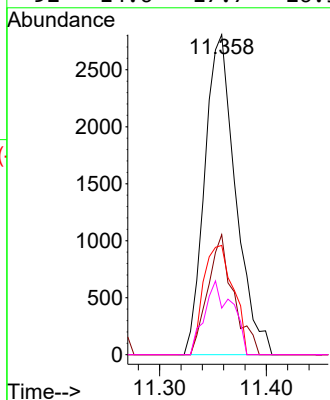
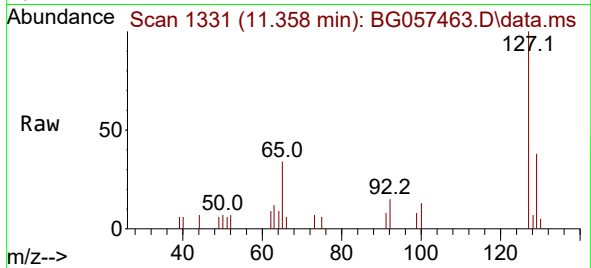




#33  
4-Chloroaniline  
Concen: 3.303 ng  
RT: 11.358 min Scan# 11358  
Delta R.T. 0.006 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

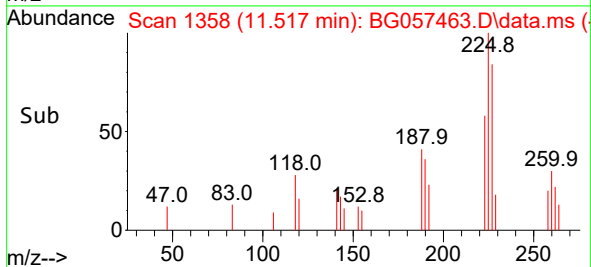
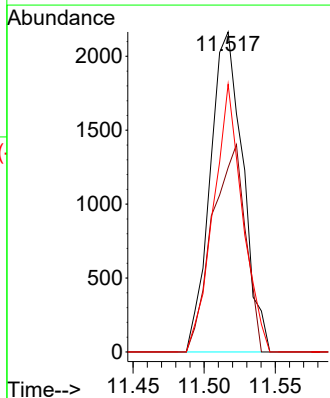
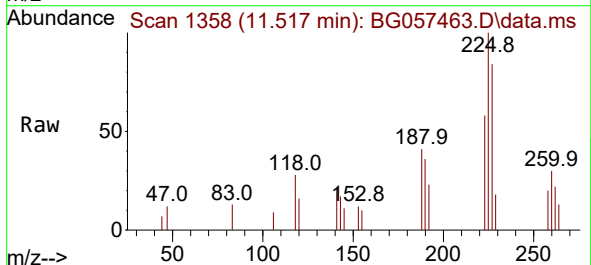
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT2-2023

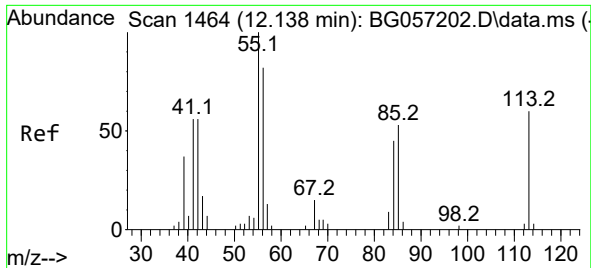
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 5646  |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 37.5  | 26.7  | 40.1  |
| 65       | 34.2  | 29.7  | 44.5  |
| 92       | 14.6  | 17.7  | 26.5  |



#34  
Hexachlorobutadiene  
Concen: 3.326 ng  
RT: 11.517 min Scan# 1358  
Delta R.T. 0.001 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 3465  |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 57.6  | 48.6  | 72.8  |
| 227      | 83.6  | 52.7  | 79.1  |

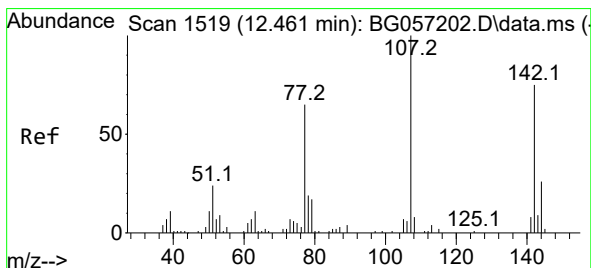
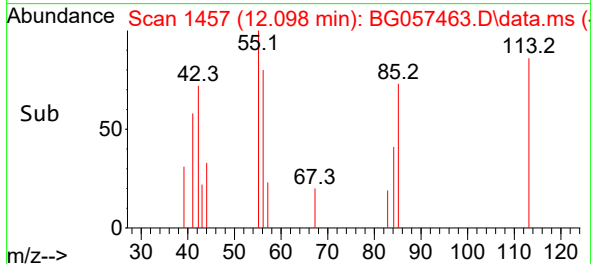
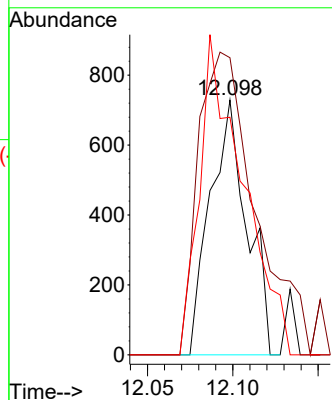
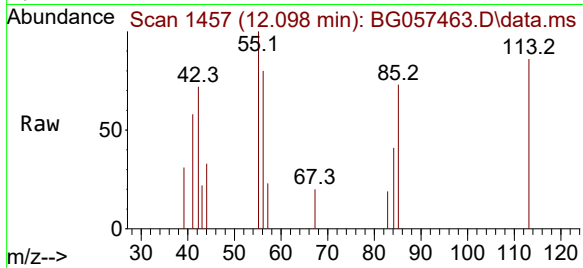




#35  
Caprolactam  
Concen: 2.631 ng  
RT: 12.098 min Scan# 1464  
Delta R.T. -0.023 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

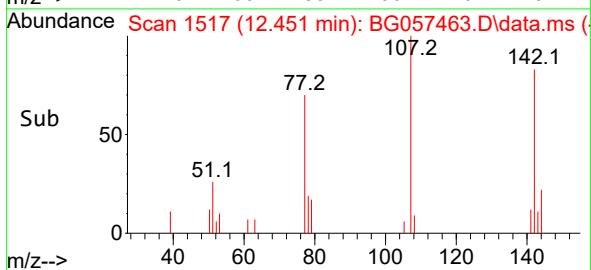
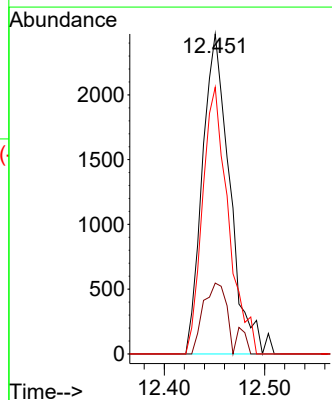
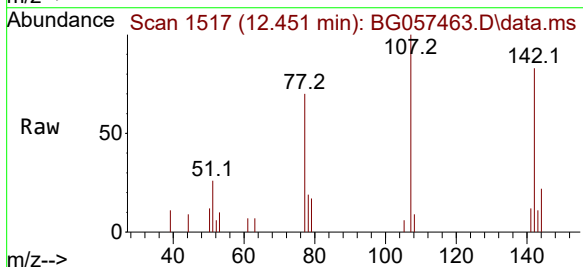
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT2-2023

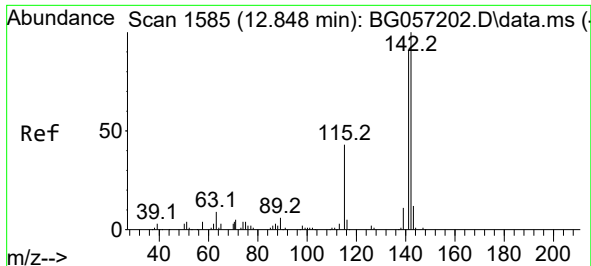
Tgt Ion:113 Resp: 1094  
Ion Ratio Lower Upper  
113 100  
55 116.6 145.5 185.5#  
56 93.3 115.9 155.9#



#36  
4-Chloro-3-methylphenol  
Concen: 3.404 ng  
RT: 12.451 min Scan# 1517  
Delta R.T. 0.006 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

Tgt Ion:107 Resp: 4708  
Ion Ratio Lower Upper  
107 100  
144 22.1 21.0 31.6  
142 83.4 60.0 90.0





#37

2-Methylnaphthalene

Concen: 3.316 ng

RT: 13.038 min Scan# 1

Delta R.T. 0.212 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT2-2023

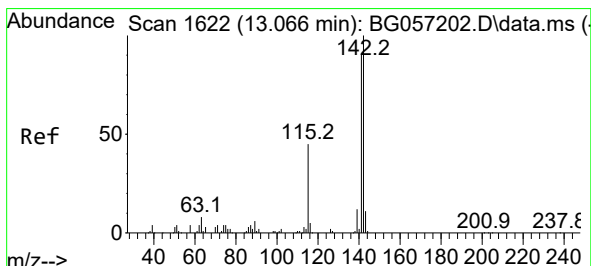
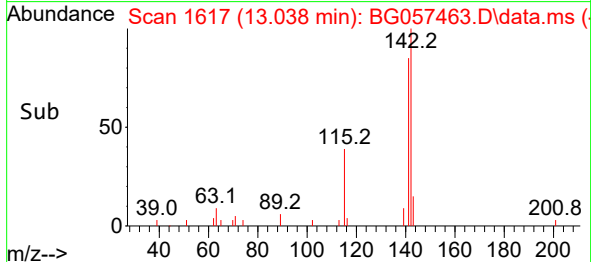
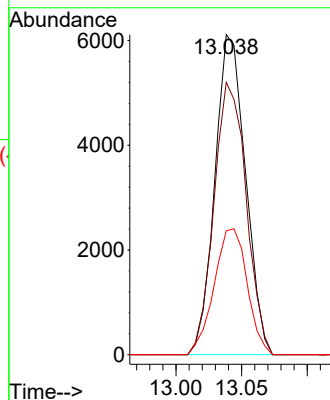
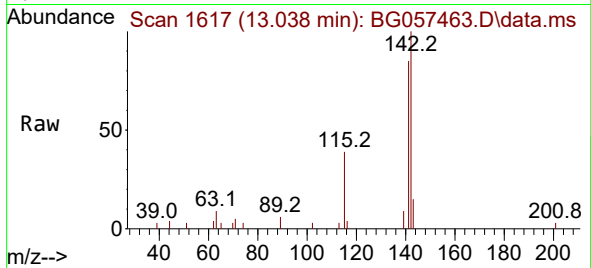
Tgt Ion:142 Resp: 9925

Ion Ratio Lower Upper

142 100

141 85.1 73.1 109.7

115 38.7 34.6 52.0



#38

1-Methylnaphthalene

Concen: 3.518 ng

RT: 13.038 min Scan# 1617

Delta R.T. -0.005 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

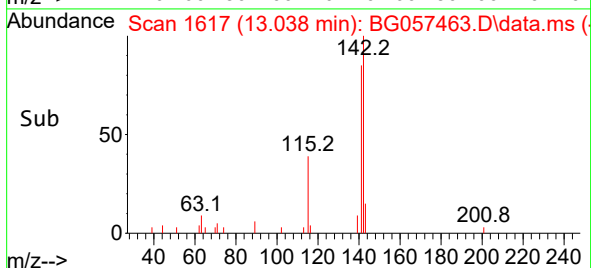
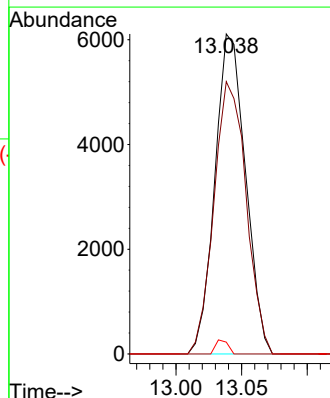
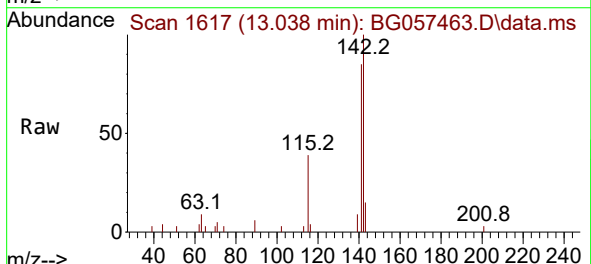
Tgt Ion:142 Resp: 9925

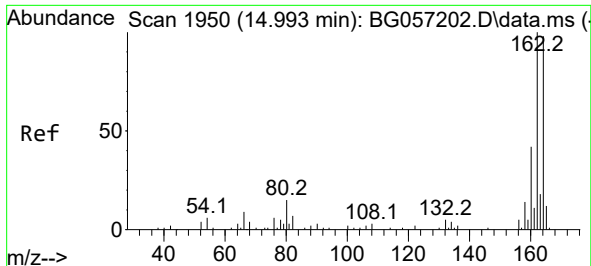
Ion Ratio Lower Upper

142 100

141 85.1 72.5 108.7

116 3.7 3.7 5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.971 min Scan# 1946

Delta R.T. -0.005 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT2-2023

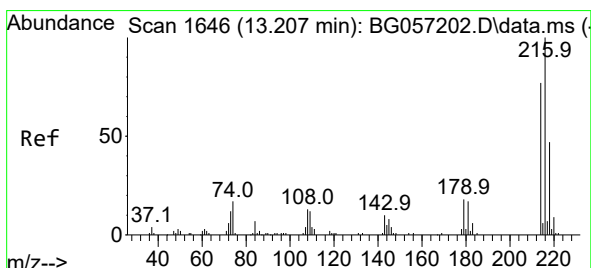
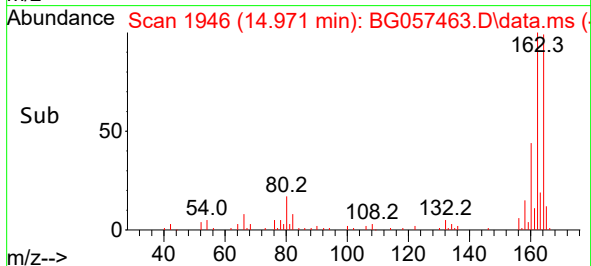
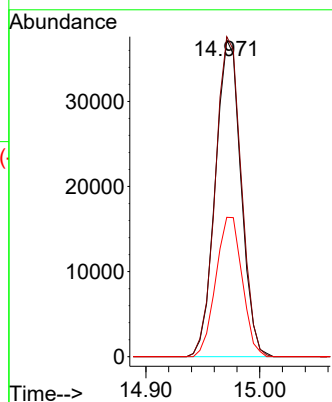
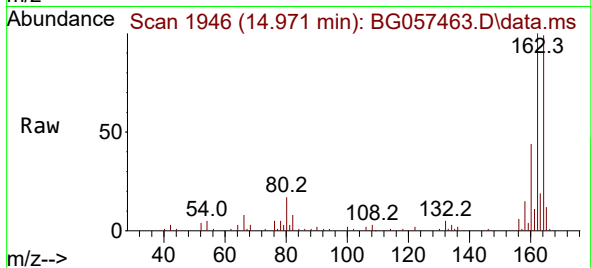
Tgt Ion:164 Resp: 58270

Ion Ratio Lower Upper

164 100

162 101.0 81.8 122.6

160 44.0 34.6 52.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.623 ng

RT: 13.191 min Scan# 1643

Delta R.T. 0.001 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Tgt Ion:216 Resp: 7494

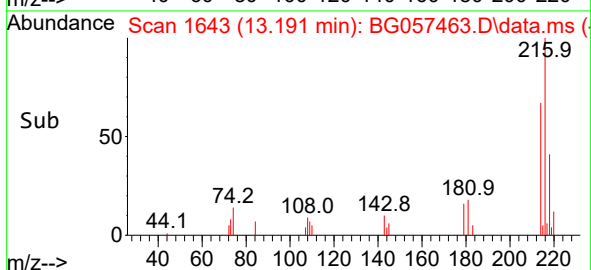
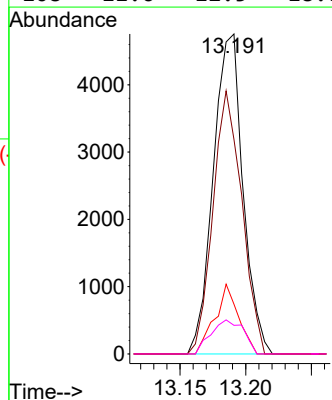
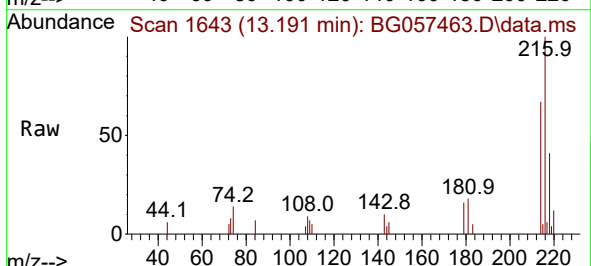
Ion Ratio Lower Upper

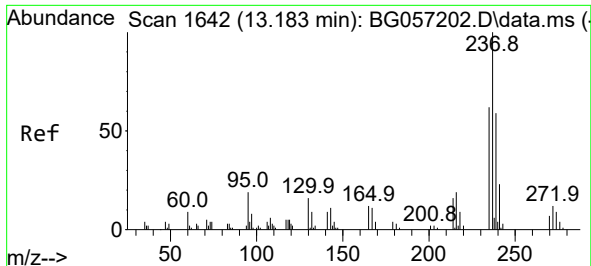
216 100

214 79.7 63.7 95.5

179 17.3 14.6 22.0

108 11.6 12.5 18.7#

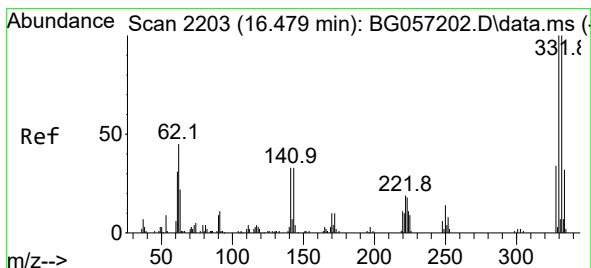
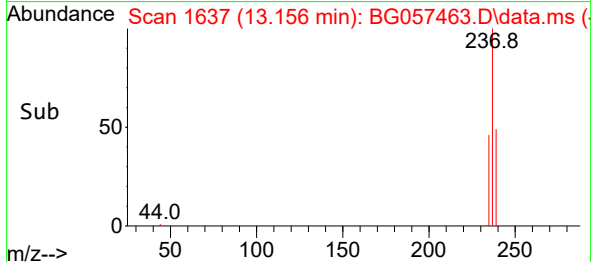
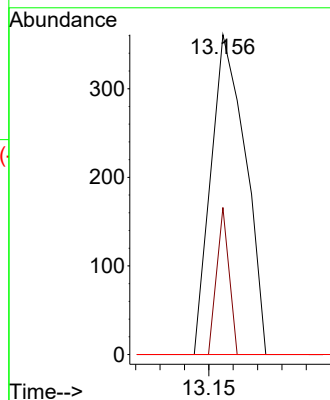
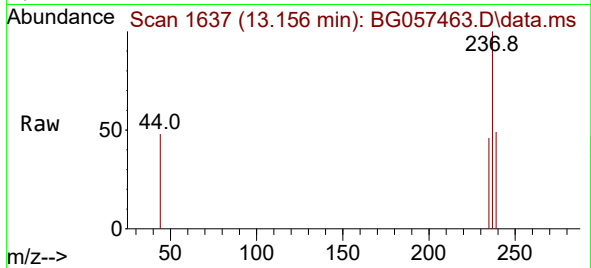




#41  
Hexachlorocyclopentadiene  
Concen: 6.624 ng  
RT: 13.156 min Scan# 1  
Delta R.T. -0.005 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

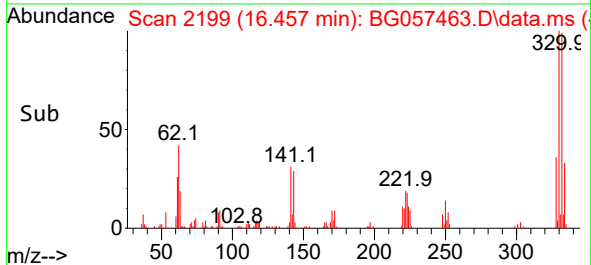
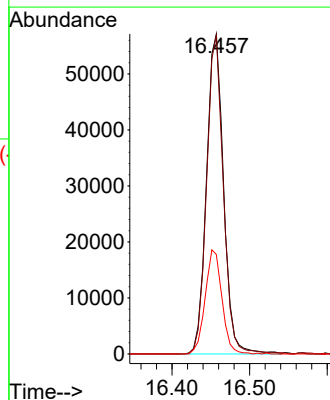
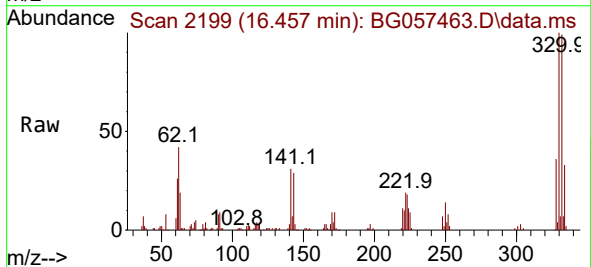
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT2-2023

Tgt Ion:237 Resp: 355  
Ion Ratio Lower Upper  
237 100  
235 46.0 42.0 82.0  
272 0.0 0.0 31.5

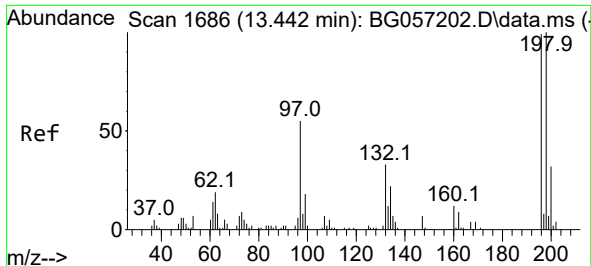


#42  
2,4,6-Tribromophenol  
Concen: 105.754 ng  
RT: 16.457 min Scan# 2199  
Delta R.T. 0.001 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

Tgt Ion:330 Resp: 87436  
Ion Ratio Lower Upper  
330 100  
332 97.0 78.2 117.2  
141 31.8 27.8 41.8



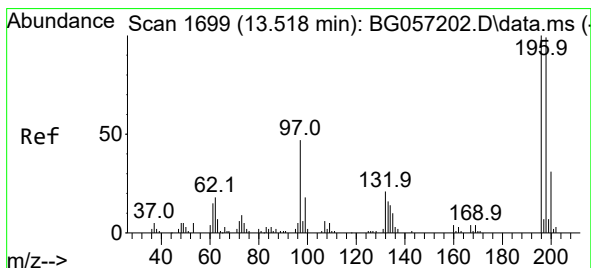
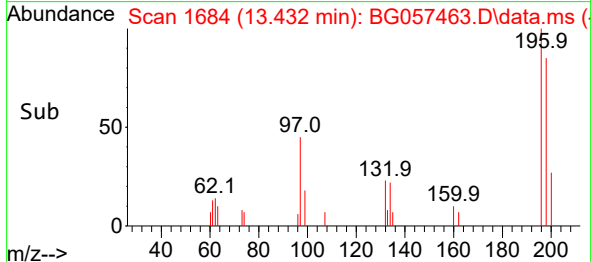
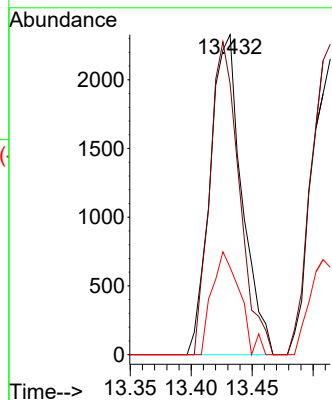
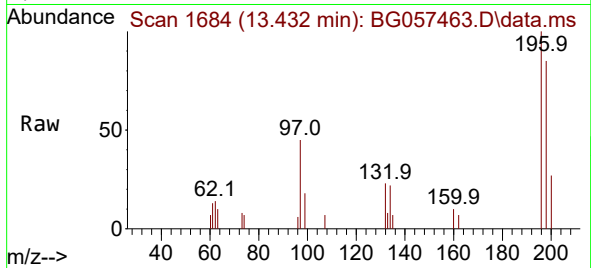




#43  
2,4,6-Trichlorophenol  
Concen: 3.348 ng  
RT: 13.432 min Scan# 1684  
Delta R.T. 0.012 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

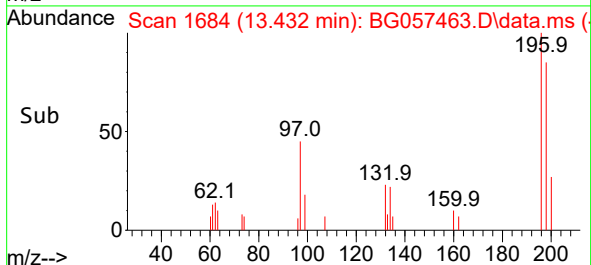
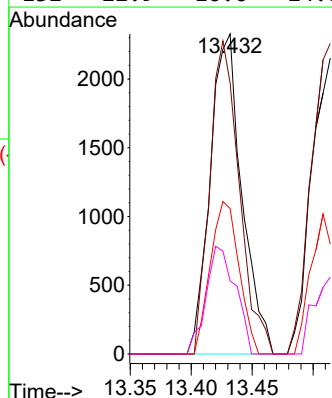
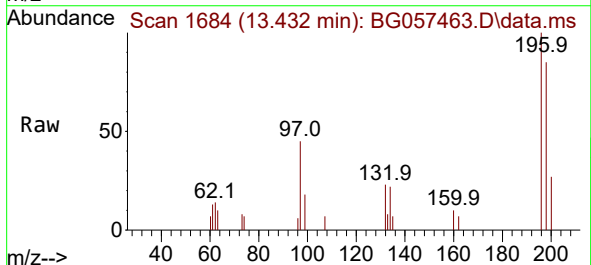
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT2-2023

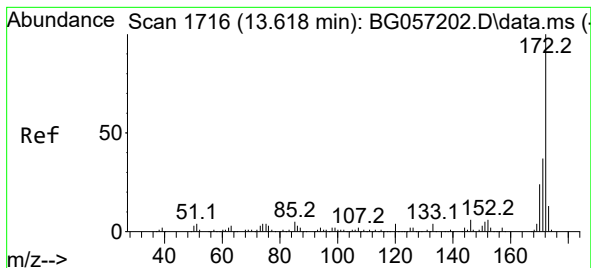
Tgt Ion:196 Resp: 4219  
Ion Ratio Lower Upper  
196 100  
198 84.7 81.2 121.8  
200 27.2 26.3 39.5



#44  
2,4,5-Trichlorophenol  
Concen: 2.846 ng  
RT: 13.432 min Scan# 1684  
Delta R.T. -0.070 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

Tgt Ion:196 Resp: 4219  
Ion Ratio Lower Upper  
196 100  
198 84.7 79.4 119.2  
97 45.4 37.0 55.4  
132 22.9 16.6 24.8





#45

2-Fluorobiphenyl

Concen: 70.936 ng

RT: 13.596 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT2-2023

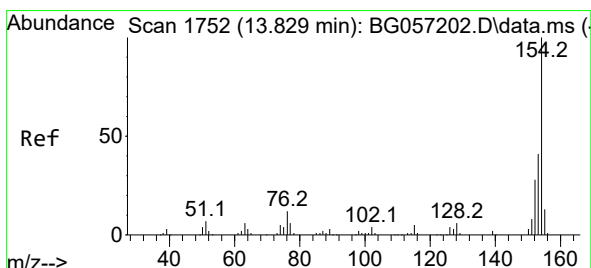
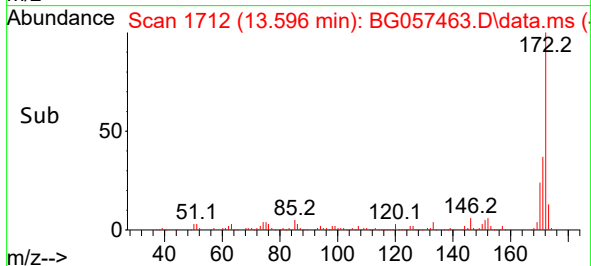
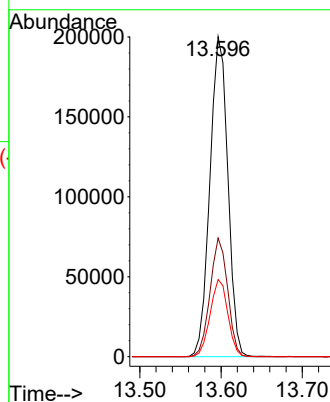
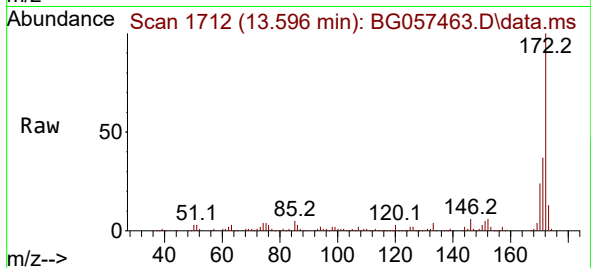
Tgt Ion:172 Resp: 306908

Ion Ratio Lower Upper

172 100

171 37.0 29.4 44.0

170 24.1 19.0 28.6



#46

1,1'-Biphenyl

Concen: 3.612 ng

RT: 13.808 min Scan# 1748

Delta R.T. -0.005 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

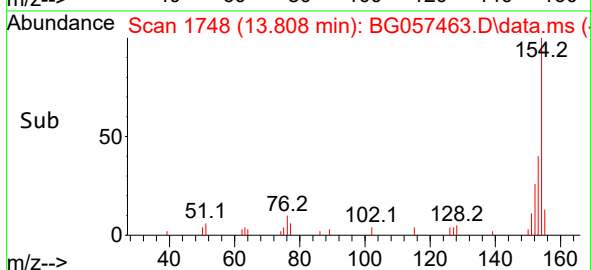
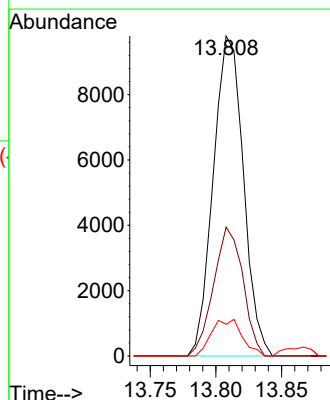
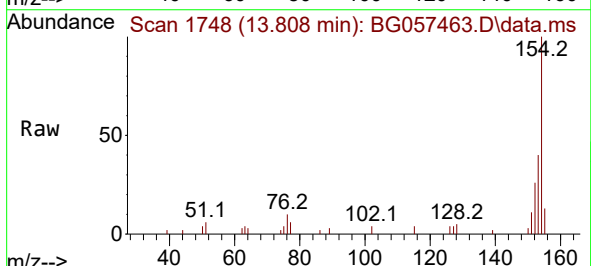
Tgt Ion:154 Resp: 15616

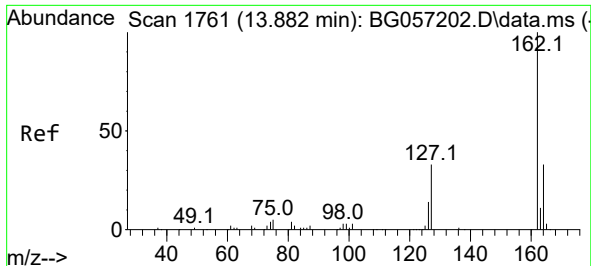
Ion Ratio Lower Upper

154 100

153 40.2 20.9 60.9

76 9.9 0.0 31.7





#47

2-Chloronaphthalene

Concen: 3.710 ng

RT: 13.861 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT2-2023

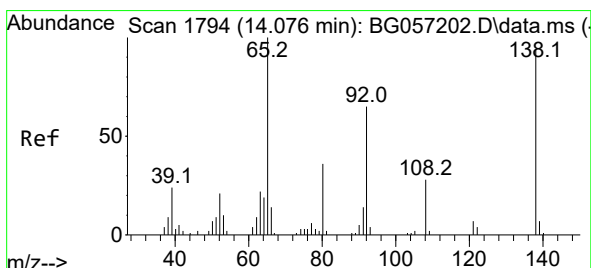
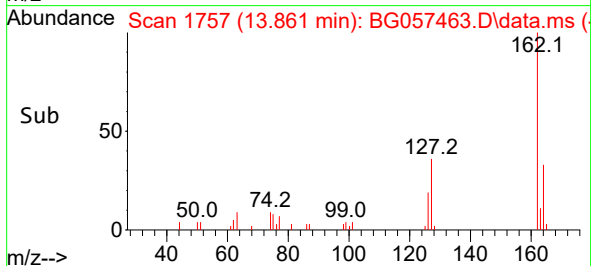
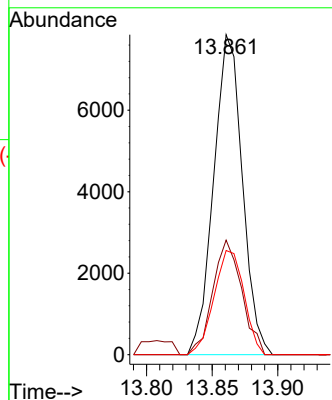
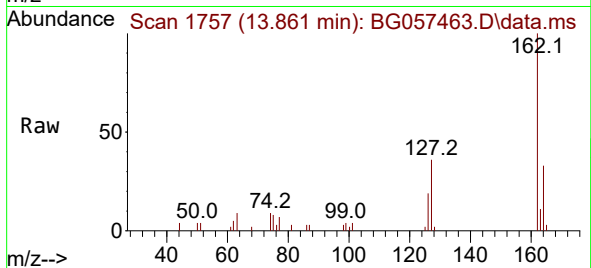
Tgt Ion:162 Resp: 11929

Ion Ratio Lower Upper

162 100

127 35.8 29.8 44.6

164 32.5 26.6 40.0



#48

2-Nitroaniline

Concen: 2.885 ng

RT: 14.066 min Scan# 1792

Delta R.T. 0.006 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

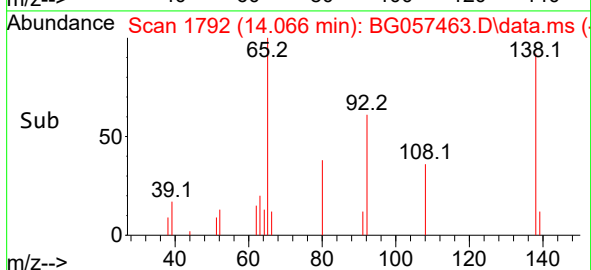
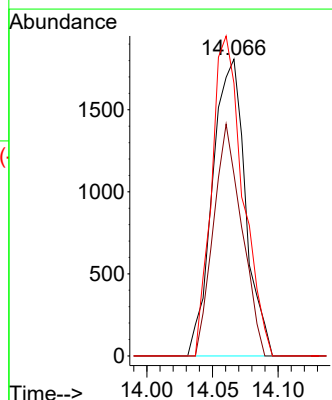
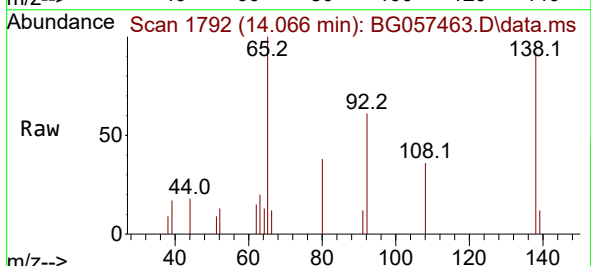
Tgt Ion: 65 Resp: 3154

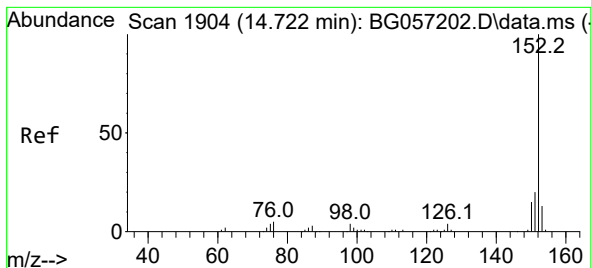
Ion Ratio Lower Upper

65 100

92 61.1 52.1 78.1

138 91.8 75.3 112.9





#49

Acenaphthylene

Concen: 3.518 ng

RT: 14.701 min Scan# 1900

Delta R.T. 0.001 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT2-2023

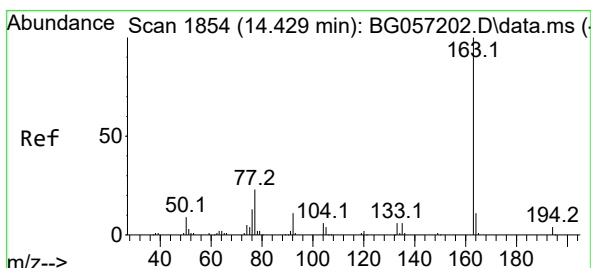
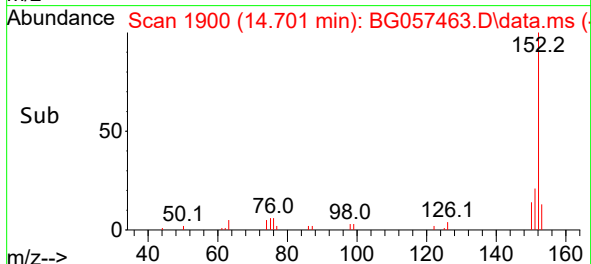
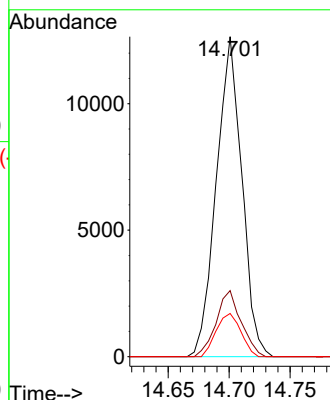
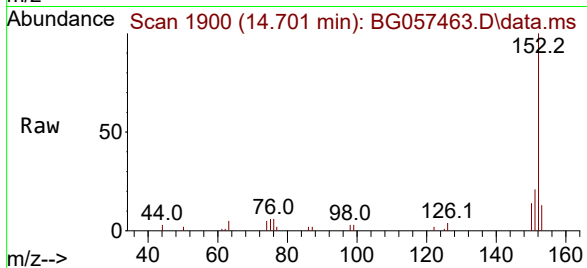
Tgt Ion:152 Resp: 18378

Ion Ratio Lower Upper

152 100

151 20.6 16.0 24.0

153 13.5 10.7 16.1



#50

Dimethylphthalate

Concen: 3.348 ng

RT: 14.407 min Scan# 1850

Delta R.T. -0.005 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

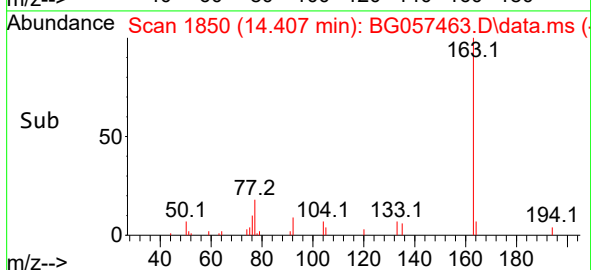
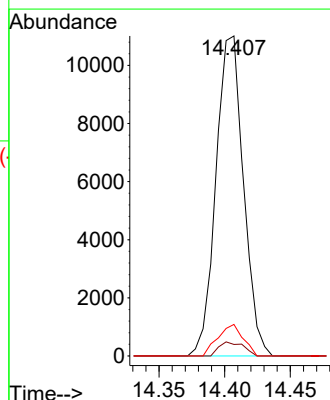
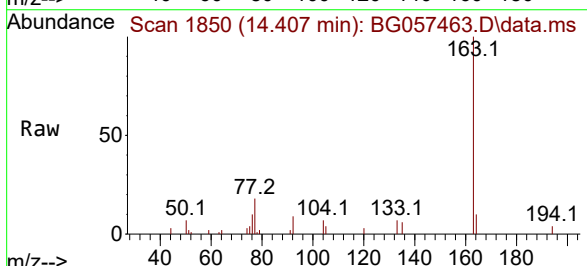
Tgt Ion:163 Resp: 16032

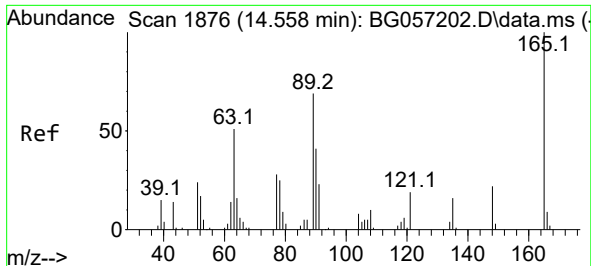
Ion Ratio Lower Upper

163 100

194 3.6 3.4 5.2

164 9.9 8.8 13.2

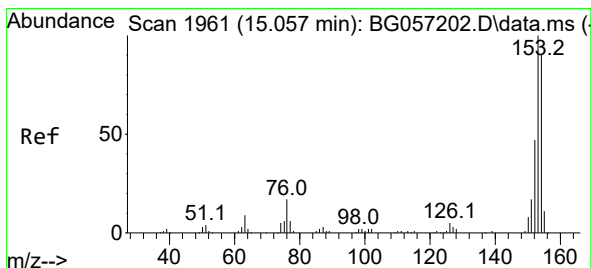
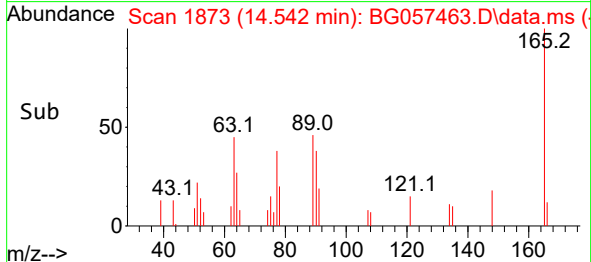
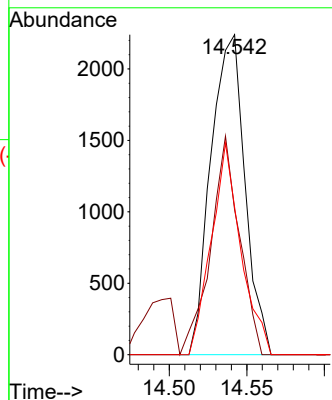
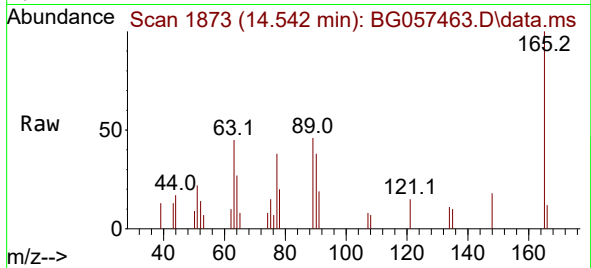




#51  
2,6-Dinitrotoluene  
Concen: 3.501 ng  
RT: 14.542 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

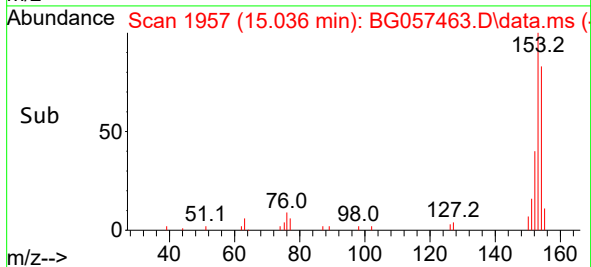
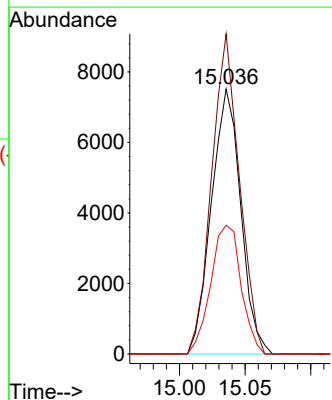
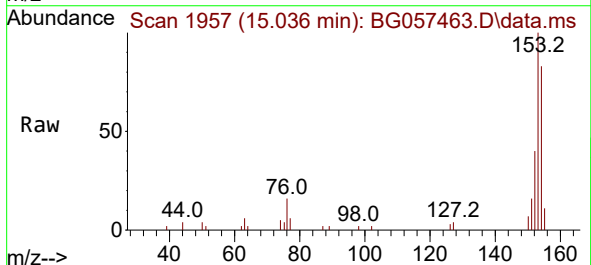
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT2-2023

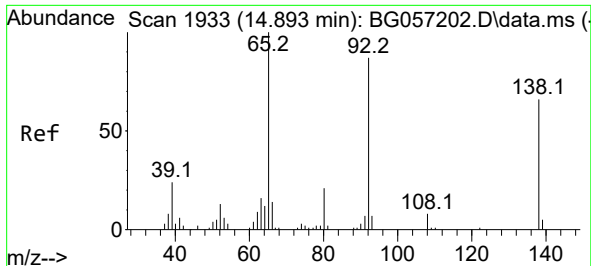
Tgt Ion:165 Resp: 3423  
Ion Ratio Lower Upper  
165 100  
63 45.3 50.9 76.3#  
89 46.1 55.2 82.8#



#52  
Acenaphthene  
Concen: 3.573 ng  
RT: 15.036 min Scan# 1957  
Delta R.T. 0.001 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

Tgt Ion:154 Resp: 11662  
Ion Ratio Lower Upper  
154 100  
153 120.8 89.3 133.9  
152 48.6 41.7 62.5

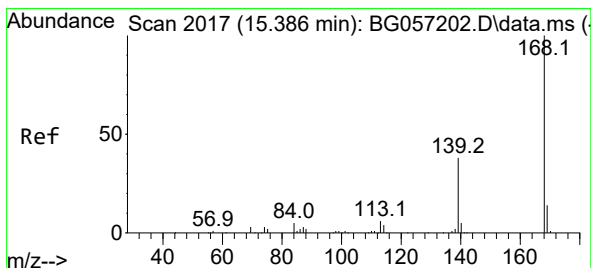
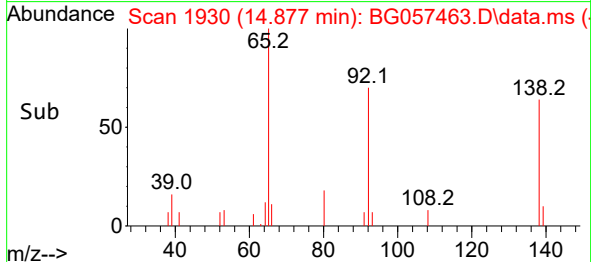
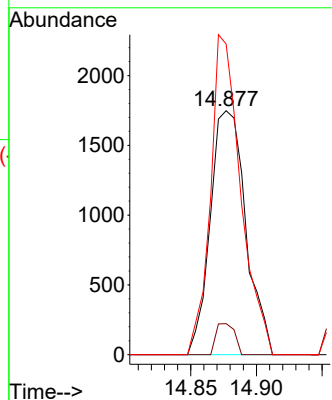
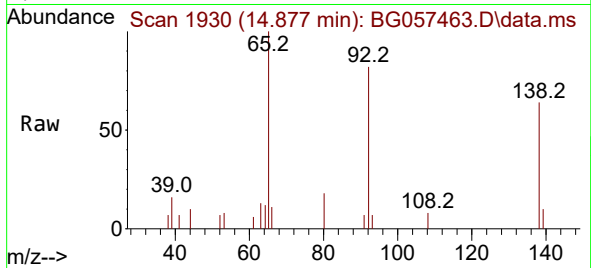




#53  
3-Nitroaniline  
Concen: 3.353 ng  
RT: 14.877 min Scan# 1933  
Delta R.T. 0.001 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

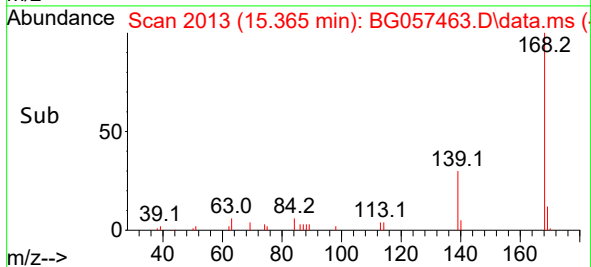
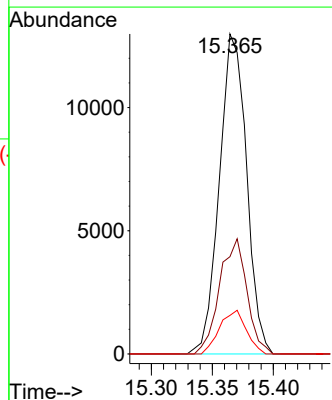
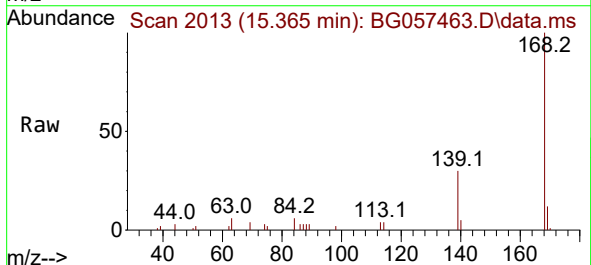
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT2-2023

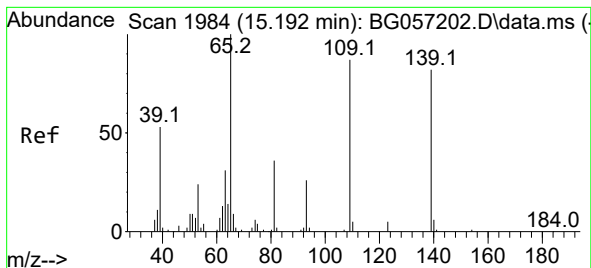
Tgt Ion:138 Resp: 3284  
Ion Ratio Lower Upper  
138 100  
108 12.7 9.5 14.3  
92 127.3 106.2 159.4



#55  
Dibenzofuran  
Concen: 3.675 ng  
RT: 15.365 min Scan# 2013  
Delta R.T. -0.005 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

Tgt Ion:168 Resp: 20157  
Ion Ratio Lower Upper  
168 100  
139 30.4 30.7 46.1#  
169 12.0 10.9 16.3





#56

4-Nitrophenol

Concen: 2.014 ng

RT: 15.206 min Scan# 1984

Delta R.T. 0.024 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT2-2023

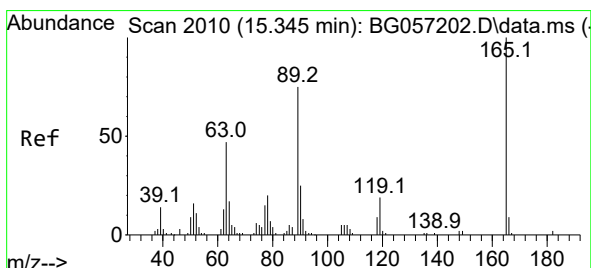
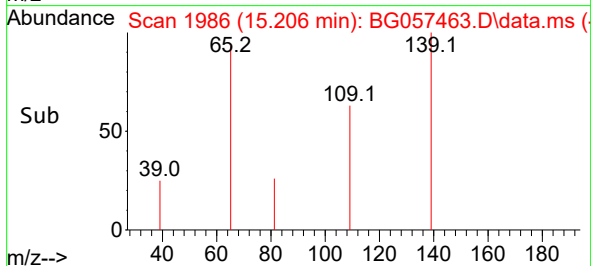
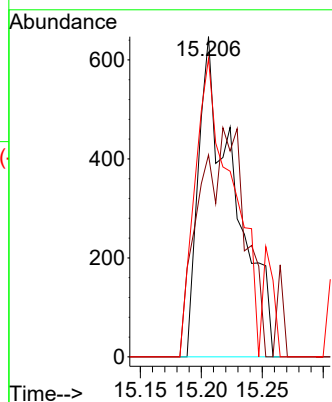
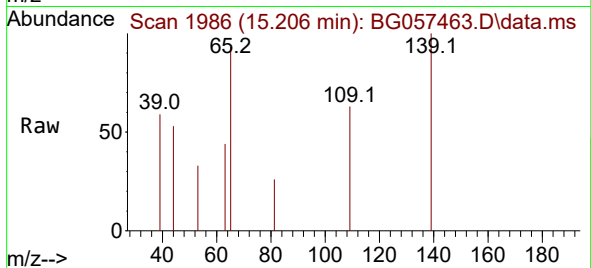
Tgt Ion:139 Resp: 1312

Ion Ratio Lower Upper

139 100

109 63.1 86.6 126.6#

65 93.2 102.6 142.6#



#57

2,4-Dinitrotoluene

Concen: 3.276 ng

RT: 15.329 min Scan# 2007

Delta R.T. 0.001 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Tgt Ion:165 Resp: 4577

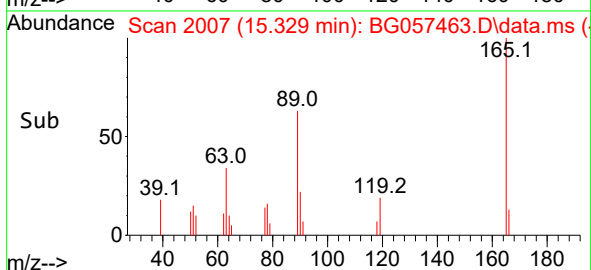
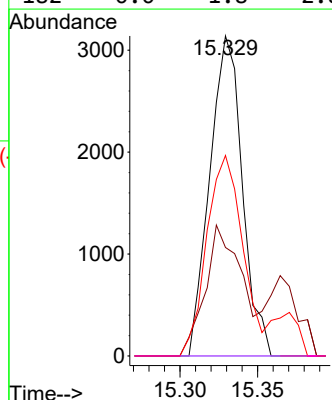
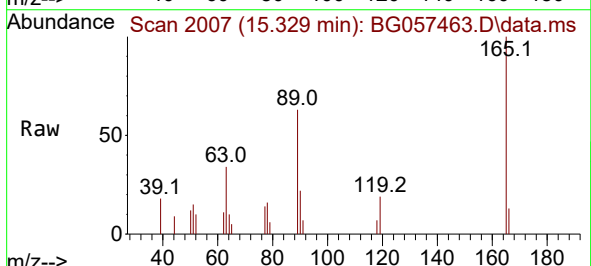
Ion Ratio Lower Upper

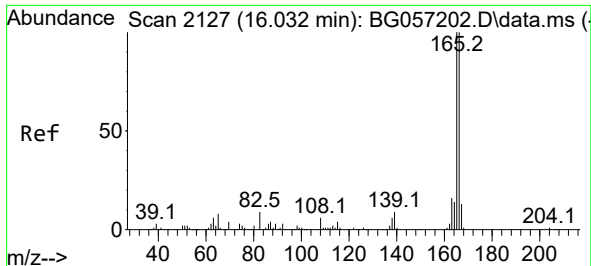
165 100

63 33.9 37.5 56.3#

89 62.7 60.2 90.4

182 0.0 1.8 2.8#

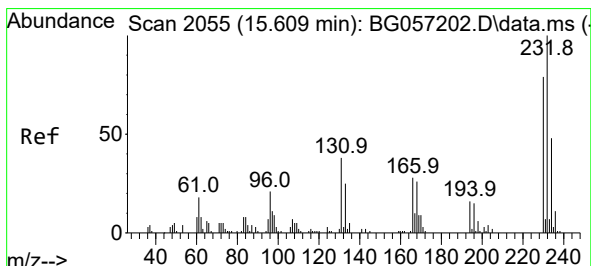
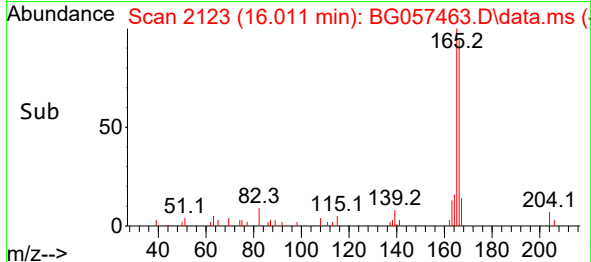
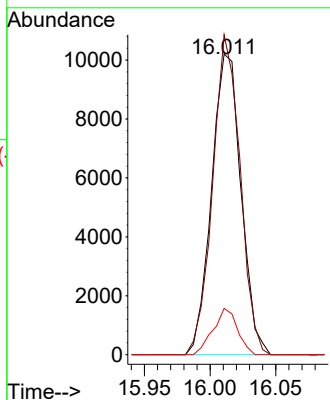
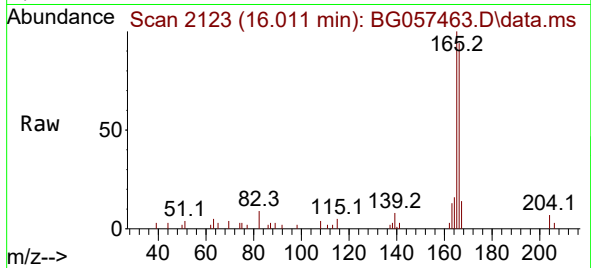




#58  
Fluorene  
Concen: 3.518 ng  
RT: 16.011 min Scan# 2127  
Delta R.T. -0.005 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

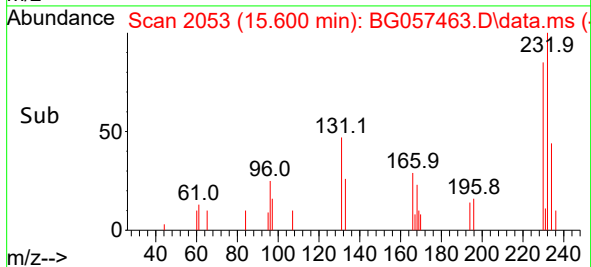
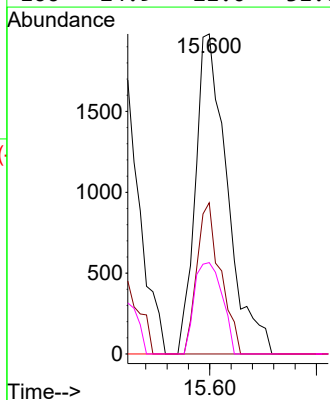
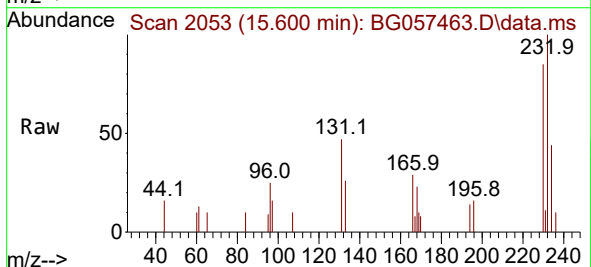
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT2-2023

Tgt Ion:166 Resp: 15894  
Ion Ratio Lower Upper  
166 100  
165 106.5 80.1 120.1  
167 15.4 10.2 15.2#

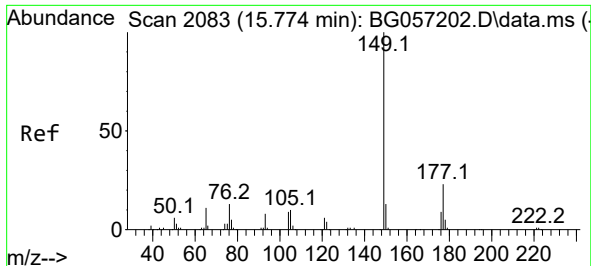


#59  
2,3,4,6-Tetrachlorophenol  
Concen: 3.062 ng  
RT: 15.600 min Scan# 2053  
Delta R.T. 0.006 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

Tgt Ion:232 Resp: 4115  
Ion Ratio Lower Upper  
232 100  
131 35.0 28.6 42.8  
130 0.0 1.6 2.4#  
166 24.9 21.0 31.6



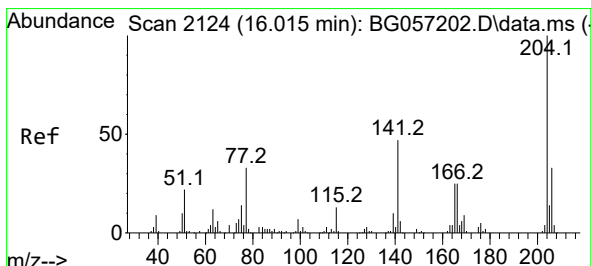
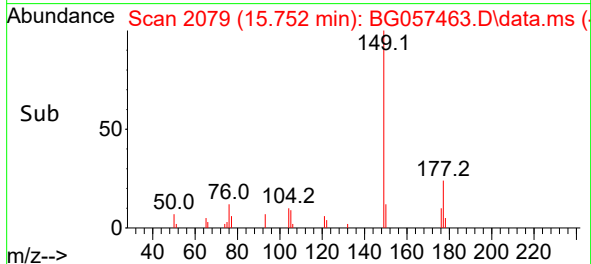
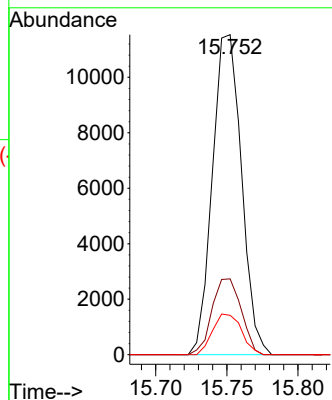
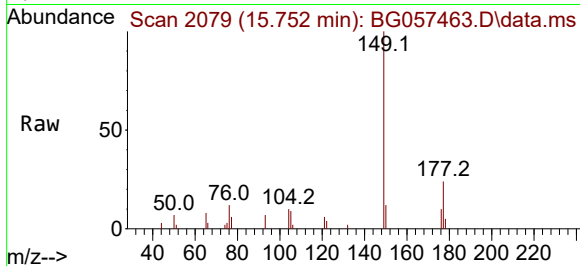




#60  
Diethylphthalate  
Concen: 3.370 ng  
RT: 15.752 min Scan# 2083  
Delta R.T. 0.001 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

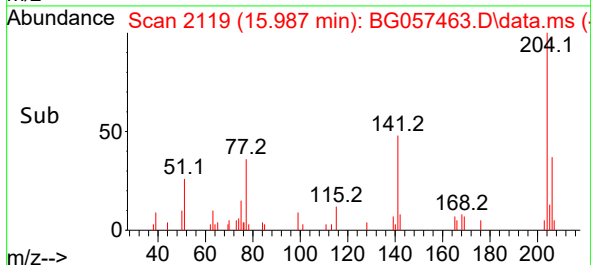
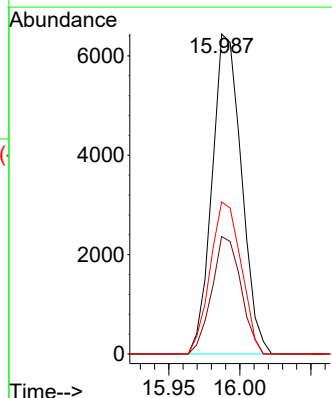
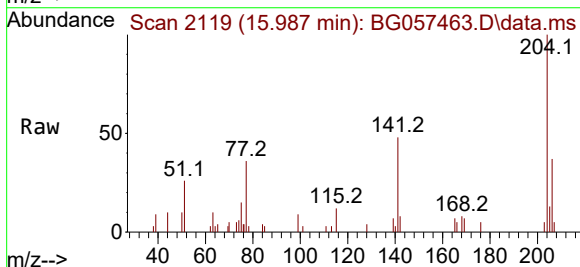
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT2-2023

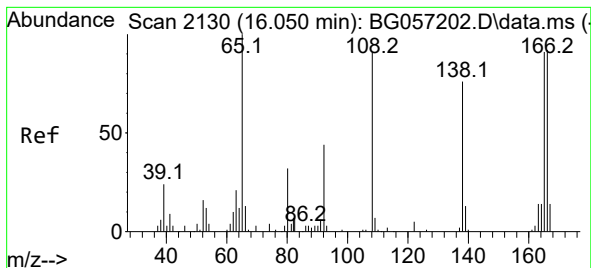
Tgt Ion:149 Resp: 16389  
Ion Ratio Lower Upper  
149 100  
177 23.7 18.3 27.5  
150 12.3 10.1 15.1



#61  
4-Chlorophenyl-phenylether  
Concen: 3.403 ng  
RT: 15.987 min Scan# 2119  
Delta R.T. -0.005 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

Tgt Ion:204 Resp: 9262  
Ion Ratio Lower Upper  
204 100  
206 36.7 26.5 39.7  
141 47.5 37.4 56.0





#62

4-Nitroaniline

Concen: 3.051 ng

RT: 16.028 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT2-2023

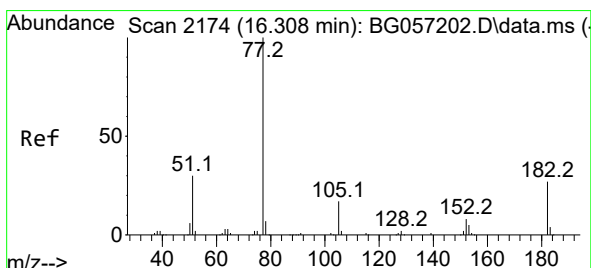
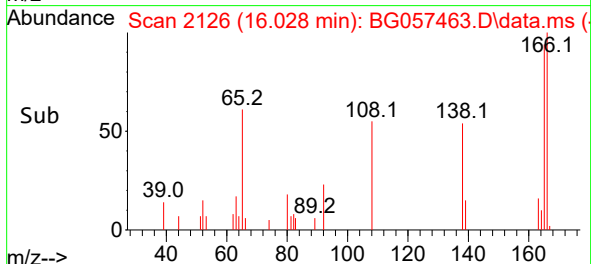
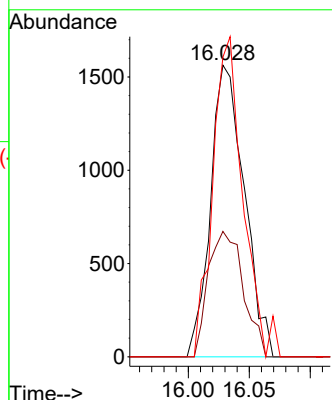
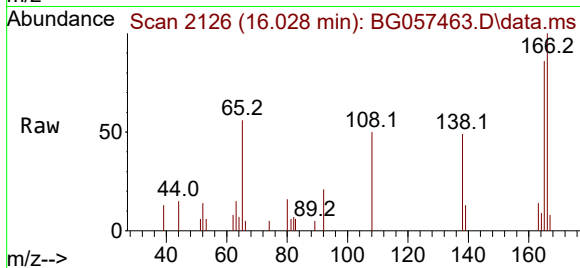
Tgt Ion:138 Resp: 3015

Ion Ratio Lower Upper

138 100

92 43.0 38.2 78.2

108 102.8 99.6 139.6



#63

Azobenzene

Concen: 3.035 ng

RT: 16.287 min Scan# 2170

Delta R.T. 0.001 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Tgt Ion: 77 Resp: 14242

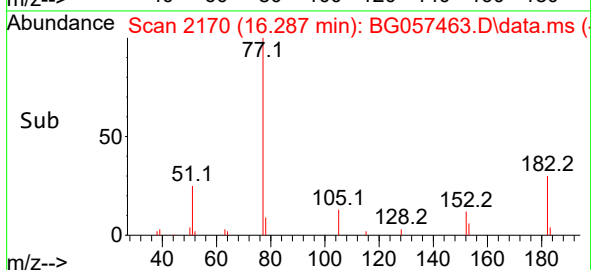
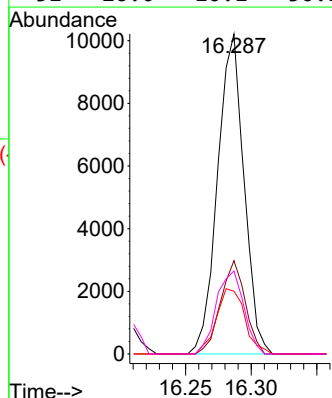
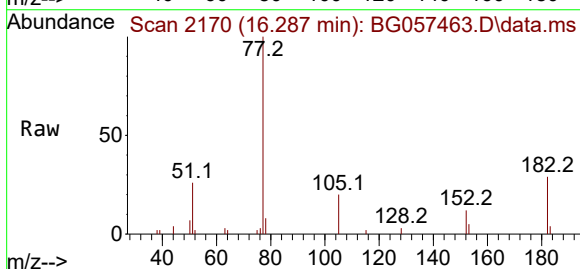
Ion Ratio Lower Upper

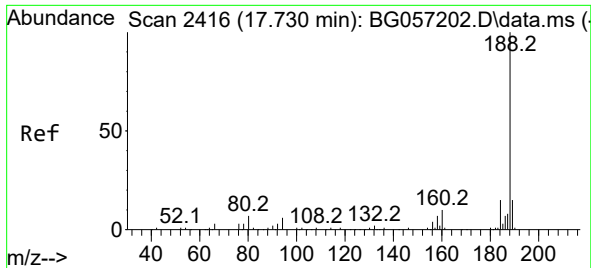
77 100

182 29.2 7.4 47.4

105 19.6 0.0 37.2

51 26.0 10.1 50.1

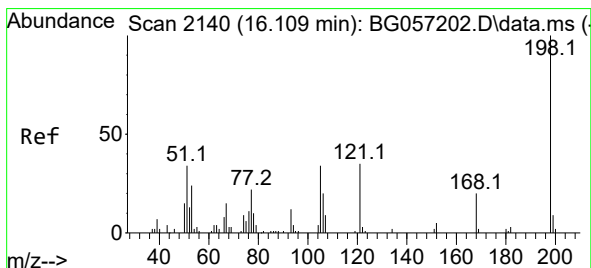
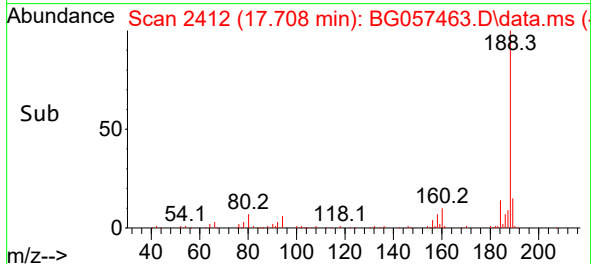
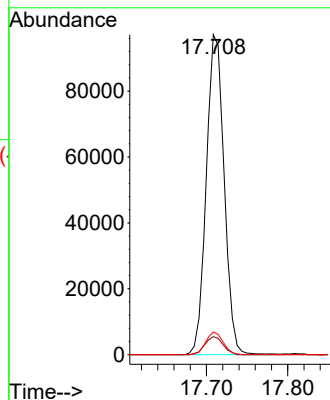
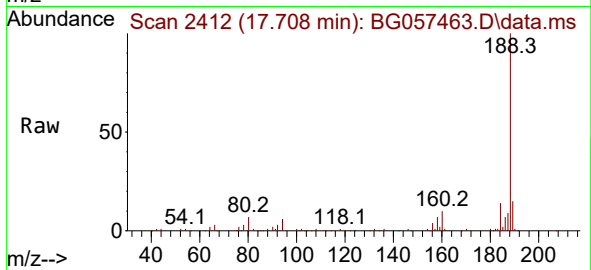




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.708 min Scan# 2416  
Delta R.T. -0.005 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

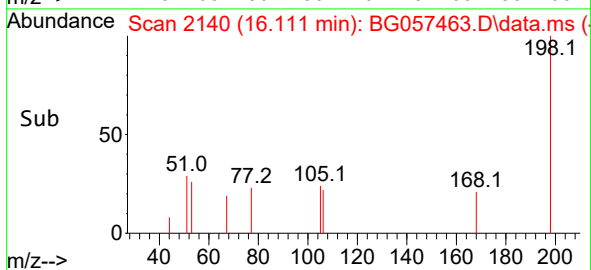
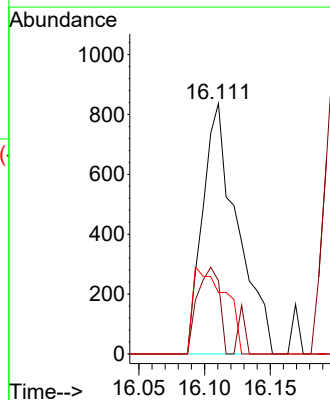
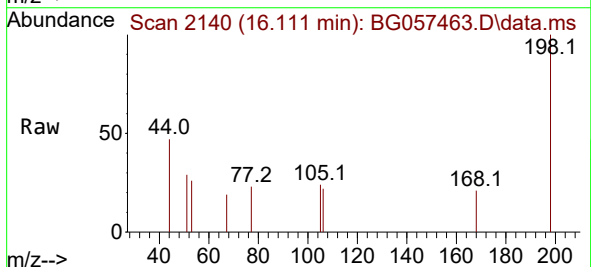
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT2-2023

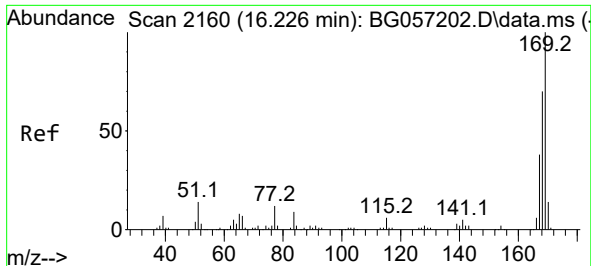
Tgt Ion:188 Resp: 148299  
Ion Ratio Lower Upper  
188 100  
94 5.6 5.1 7.7  
80 7.1 5.7 8.5



#65  
4,6-Dinitro-2-methylphenol  
Concen: 1.730 ng  
RT: 16.111 min Scan# 2140  
Delta R.T. 0.018 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

Tgt Ion:198 Resp: 1532  
Ion Ratio Lower Upper  
198 100  
51 29.3 16.1 56.1  
105 24.5 14.0 54.0

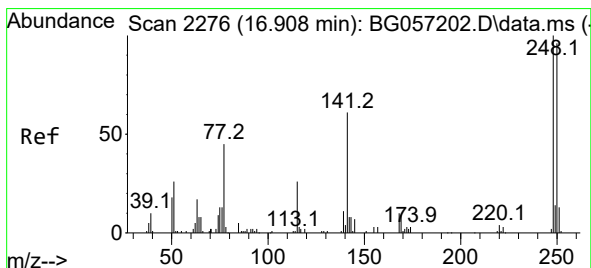
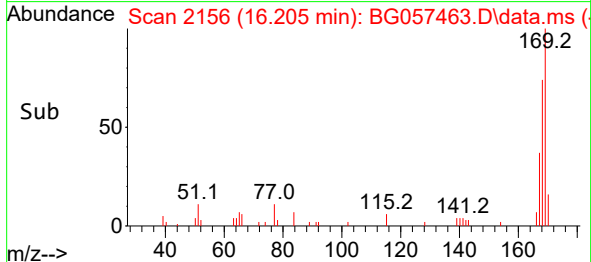
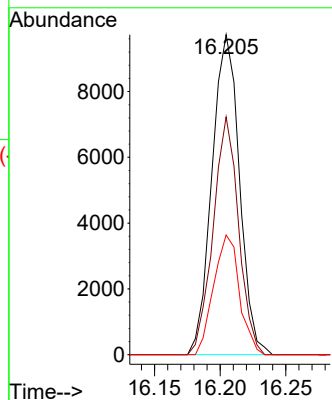
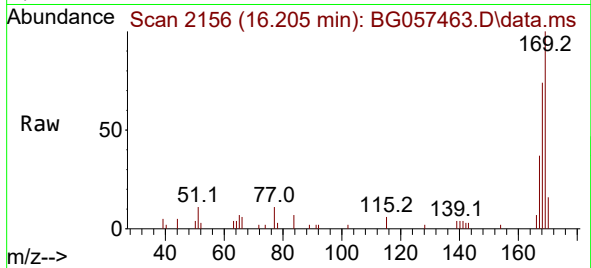




#66  
n-Nitrosodiphenylamine  
Concen: 3.513 ng  
RT: 16.205 min Scan# 2160  
Delta R.T. -0.005 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

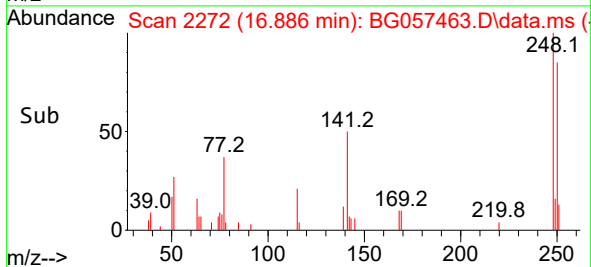
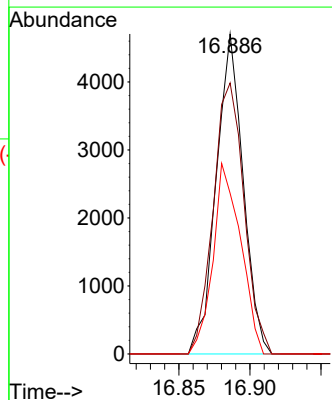
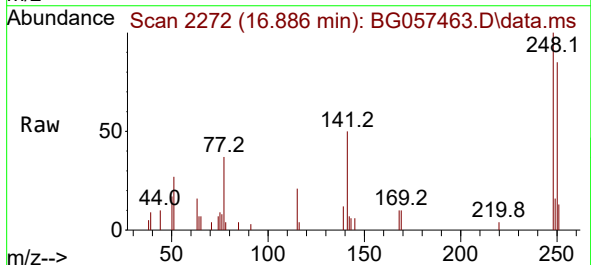
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT2-2023

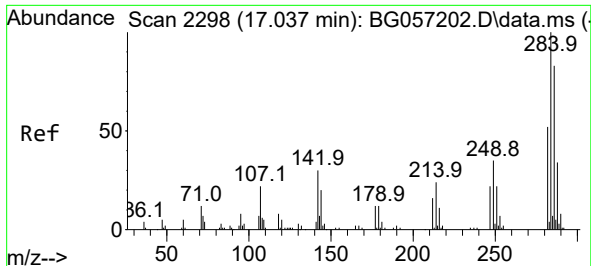
Tgt Ion:169 Resp: 14151  
Ion Ratio Lower Upper  
169 100  
168 74.3 56.2 84.4  
167 37.4 30.2 45.4



#67  
4-Bromophenyl-phenylether  
Concen: 3.429 ng  
RT: 16.886 min Scan# 2272  
Delta R.T. 0.001 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

Tgt Ion:248 Resp: 6208  
Ion Ratio Lower Upper  
248 100  
250 84.7 77.0 115.6  
141 50.2 48.6 72.8

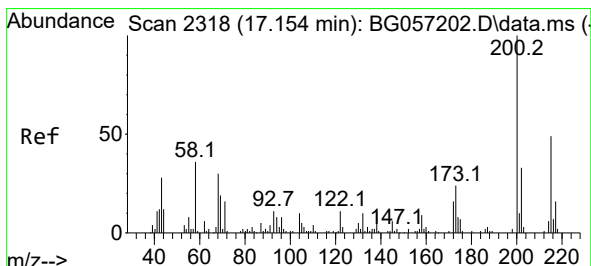
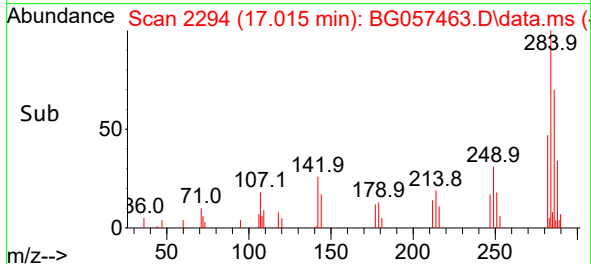
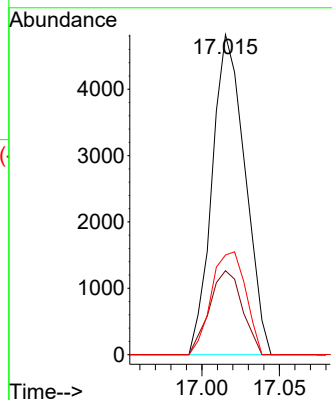
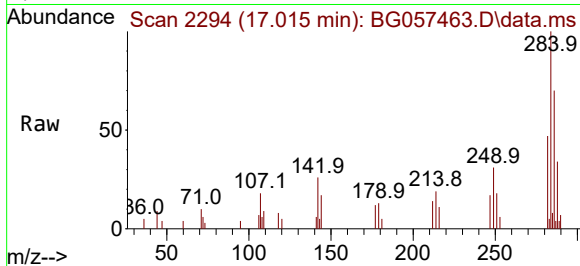




#68  
Hexachlorobenzene  
Concen: 4.030 ng  
RT: 17.015 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

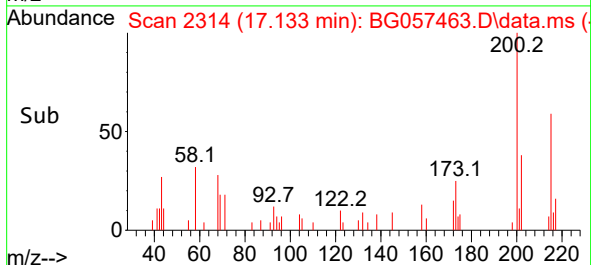
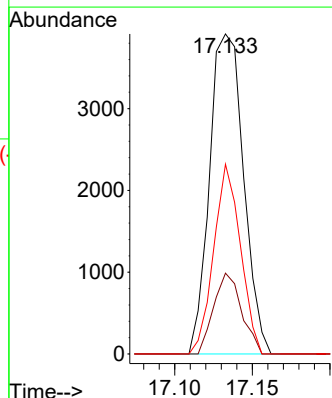
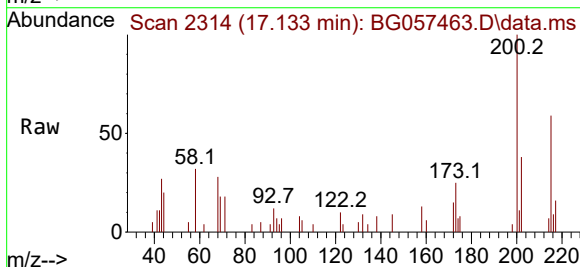
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT2-2023

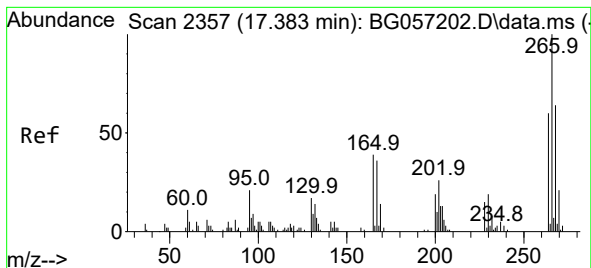
Tgt Ion:284 Resp: 7090  
Ion Ratio Lower Upper  
284 100  
142 26.2 23.9 35.9  
249 31.2 27.7 41.5



#69  
Atrazine  
Concen: 3.879 ng  
RT: 17.133 min Scan# 2314  
Delta R.T. -0.005 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

Tgt Ion:200 Resp: 5960  
Ion Ratio Lower Upper  
200 100  
173 25.3 4.3 44.3  
215 59.3 29.3 69.3





#70

Pentachlorophenol

Concen: 0.675 ng

RT: 17.415 min Scan# 21

Delta R.T. 0.048 min

Lab File: BG057463.D

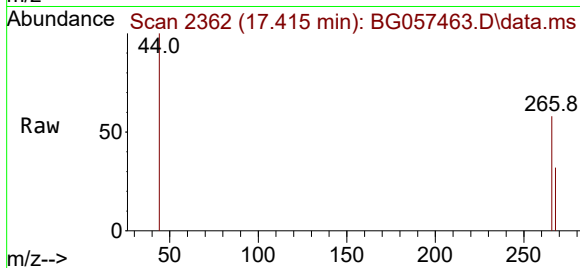
Acq: 19 May 2023 11:30

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT2-2023



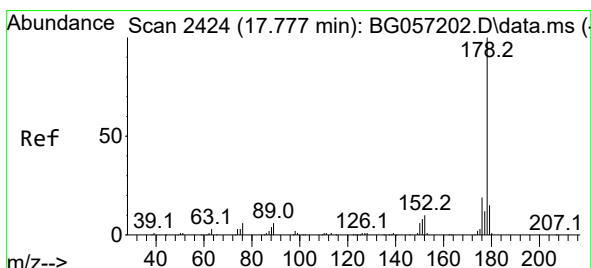
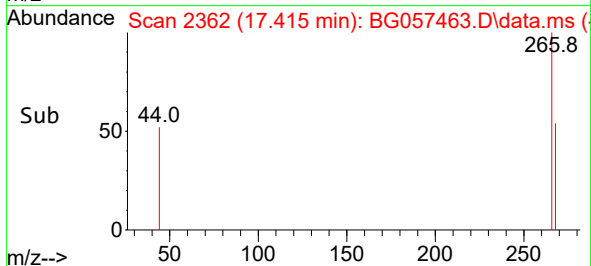
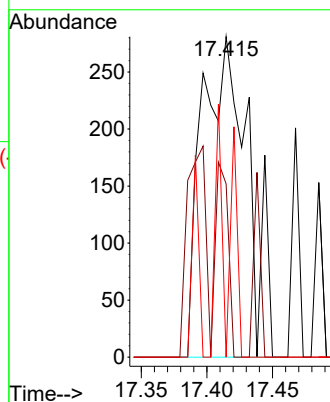
Tgt Ion:266 Resp: 684

Ion Ratio Lower Upper

266 100

268 54.1 51.0 76.6

264 0.0 47.8 71.6#



#71

Phenanthrene

Concen: 3.594 ng

RT: 17.755 min Scan# 2420

Delta R.T. 0.001 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

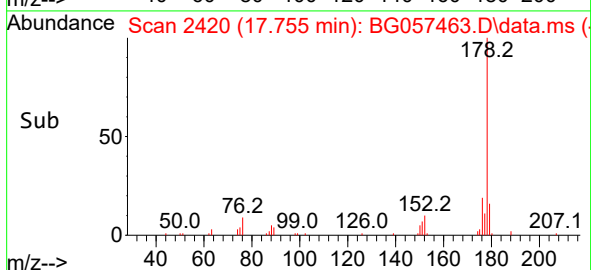
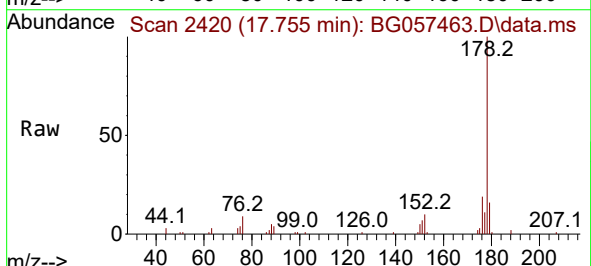
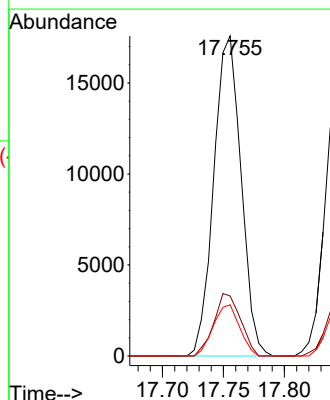
Tgt Ion:178 Resp: 27308

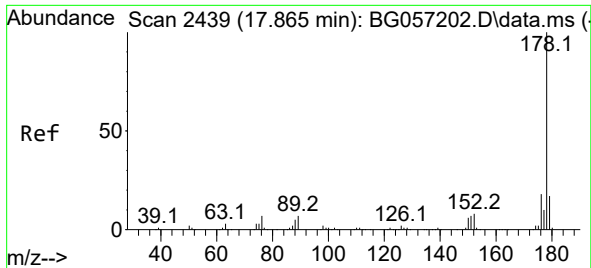
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

179 16.0 12.3 18.5

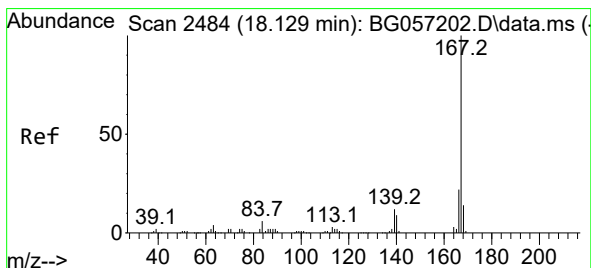
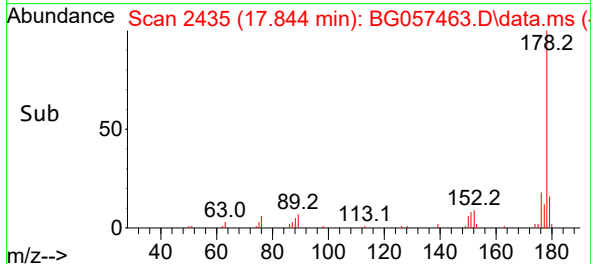
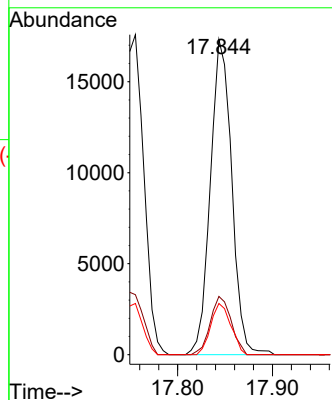
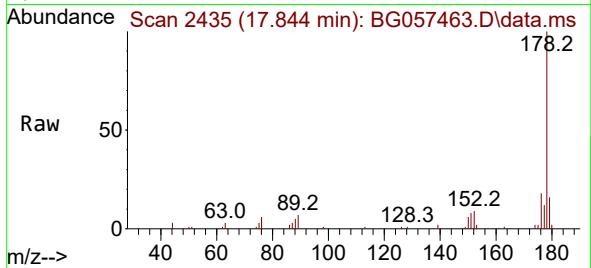




#72  
 Anthracene  
 Concen: 3.481 ng  
 RT: 17.844 min Scan# 2435  
 Delta R.T. -0.005 min  
 Lab File: BG057463.D  
 Acq: 19 May 2023 11:30

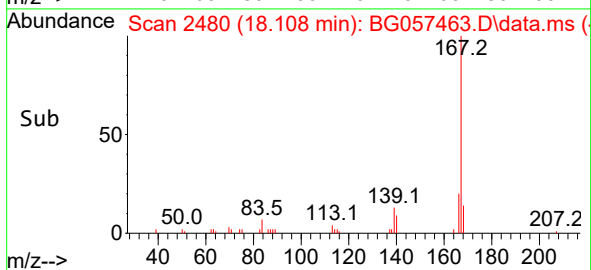
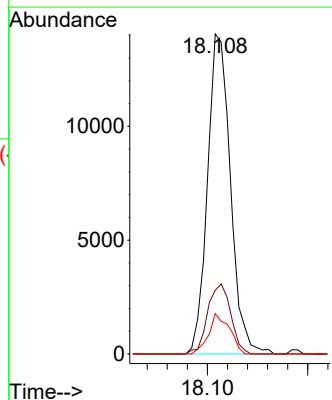
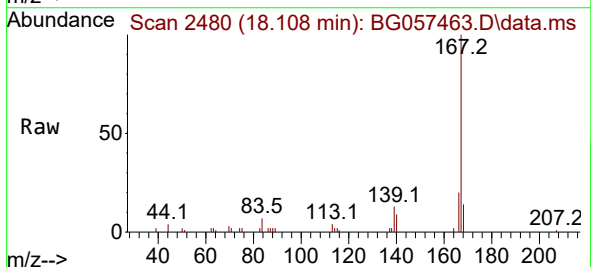
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-03-QT2-2023

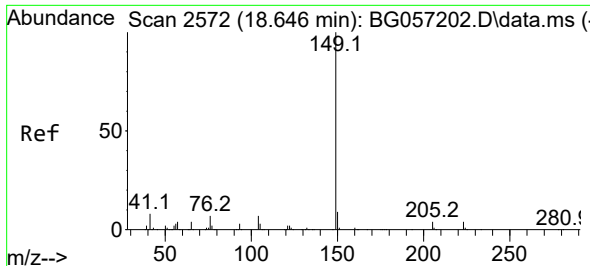
Tgt Ion:178 Resp: 27144  
 Ion Ratio Lower Upper  
 178 100  
 176 18.5 14.7 22.1  
 179 16.3 13.2 19.8



#73  
 Carbazole  
 Concen: 3.410 ng  
 RT: 18.108 min Scan# 2480  
 Delta R.T. -0.005 min  
 Lab File: BG057463.D  
 Acq: 19 May 2023 11:30

Tgt Ion:167 Resp: 22383  
 Ion Ratio Lower Upper  
 167 100  
 166 19.9 17.4 26.0  
 139 12.6 9.6 14.4

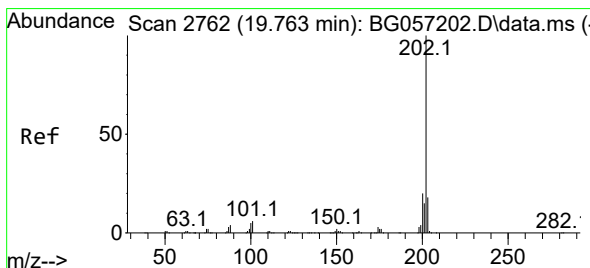
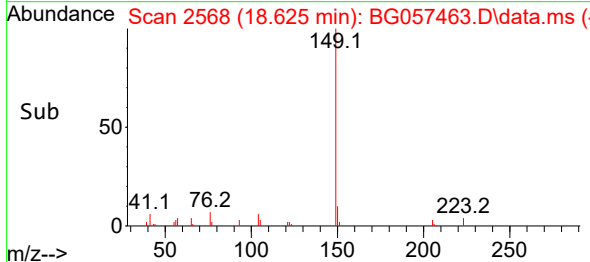
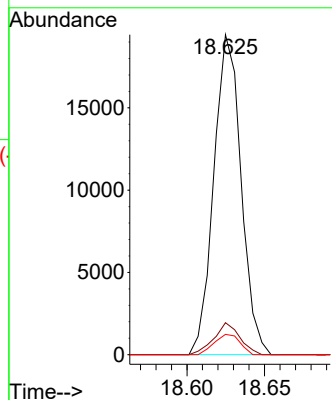
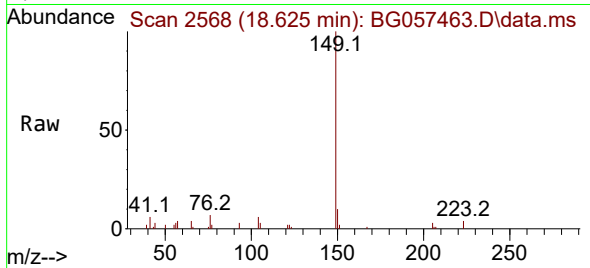




#74  
Di-n-butylphthalate  
Concen: 3.144 ng  
RT: 18.625 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

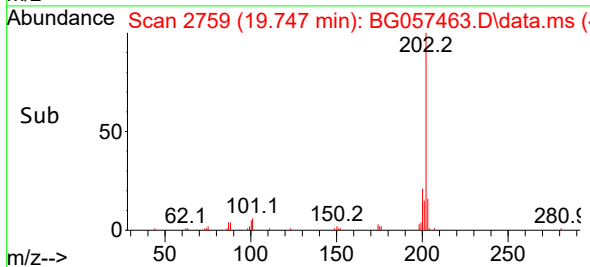
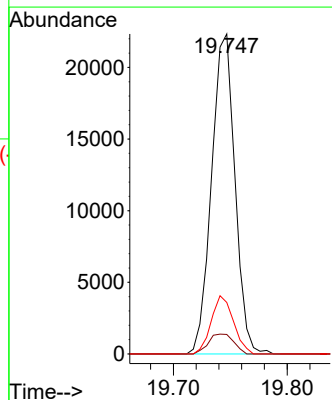
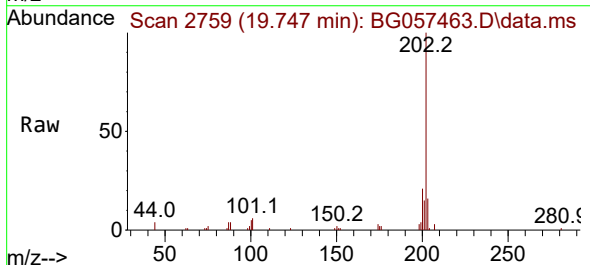
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT2-2023

Tgt Ion:149 Resp: 23749  
Ion Ratio Lower Upper  
149 100  
150 10.0 7.3 10.9  
104 6.4 5.4 8.2

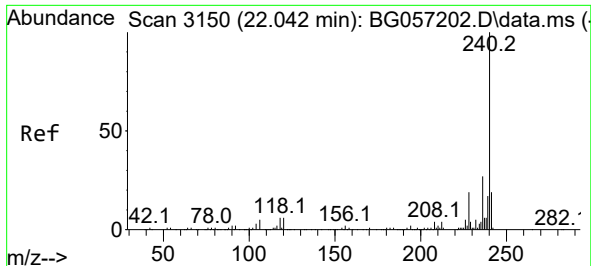


#75  
Fluoranthene  
Concen: 3.375 ng  
RT: 19.747 min Scan# 2759  
Delta R.T. 0.001 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

Tgt Ion:202 Resp: 31895  
Ion Ratio Lower Upper  
202 100  
101 6.1 0.0 26.2  
203 16.1 0.0 37.9



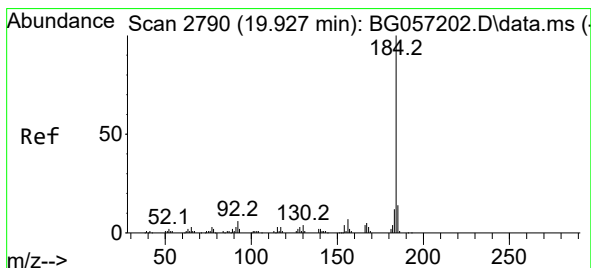
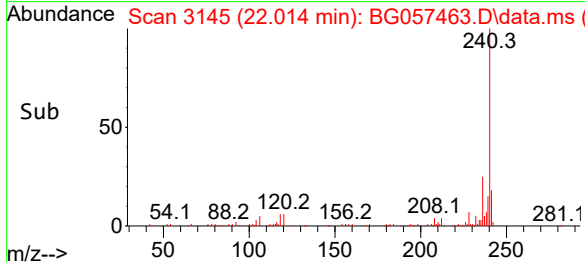
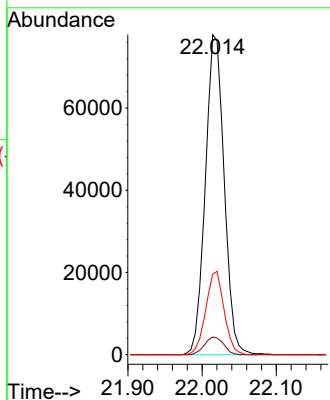
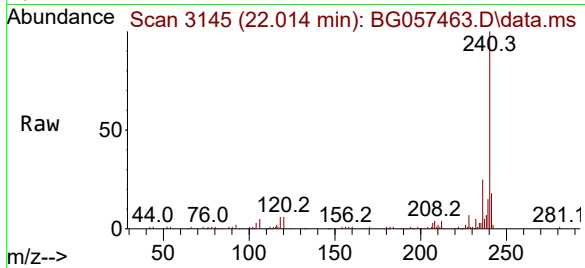




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.014 min Scan# 3150  
Delta R.T. -0.005 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

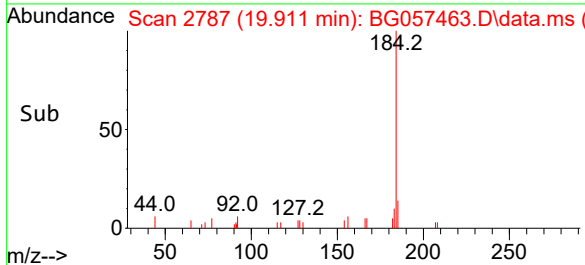
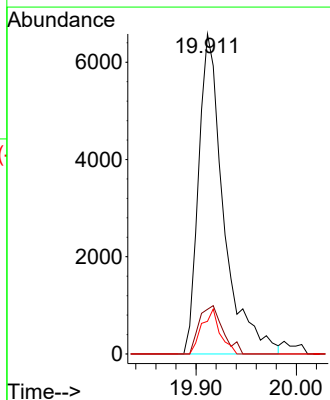
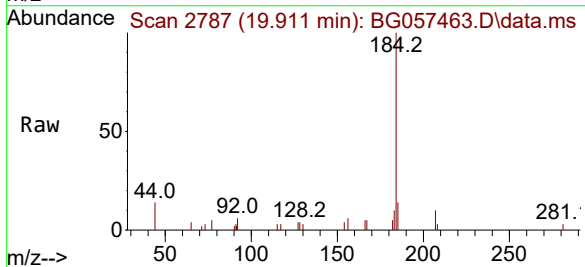
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT2-2023

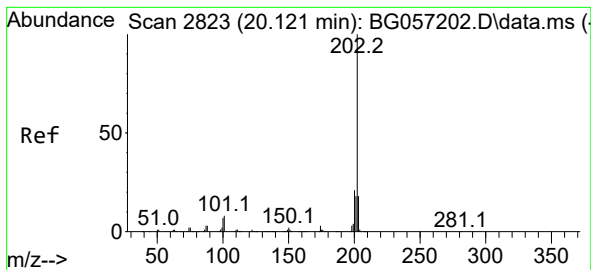
Tgt Ion:240 Resp: 137295  
Ion Ratio Lower Upper  
240 100  
120 5.6 4.9 7.3  
236 25.2 21.4 32.2



#77  
Benzidine  
Concen: 3.740 ng  
RT: 19.911 min Scan# 2787  
Delta R.T. 0.001 min  
Lab File: BG057463.D  
Acq: 19 May 2023 11:30

Tgt Ion:184 Resp: 11479  
Ion Ratio Lower Upper  
184 100  
185 13.9 11.1 16.7  
183 10.2 9.9 14.9





#78

Pyrene

Concen: 3.358 ng

RT: 20.105 min Scan# 2

Delta R.T. 0.001 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

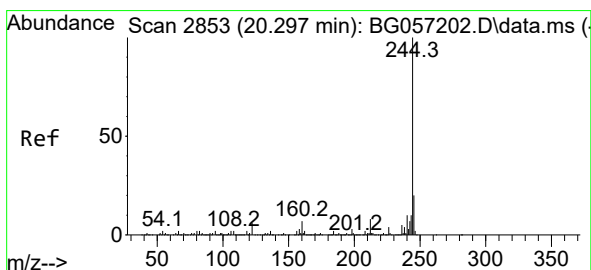
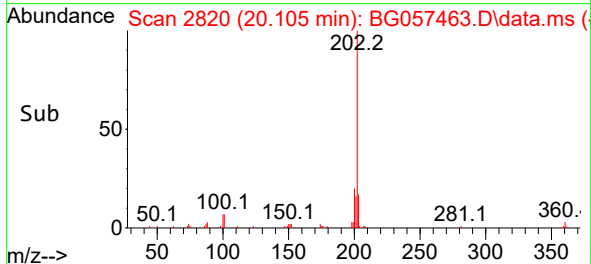
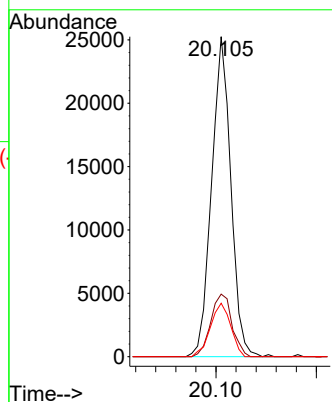
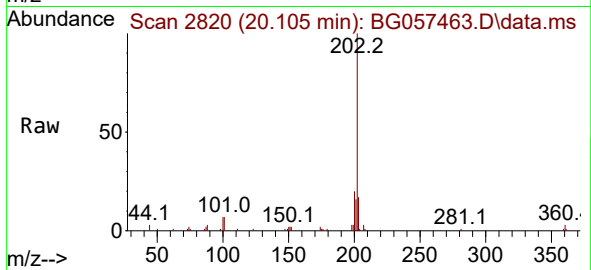
Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT2-2023

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 33502 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 19.6  | 17.0  | 25.4  |
| 203       | 16.7  | 14.2  | 21.4  |



#79

Terphenyl-d14

Concen: 67.702 ng

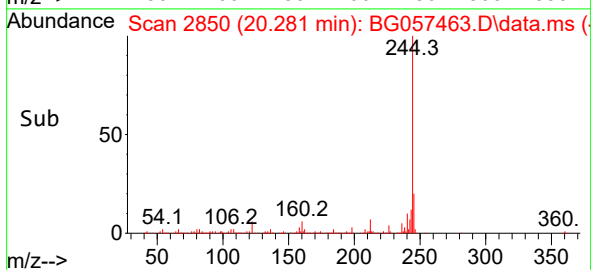
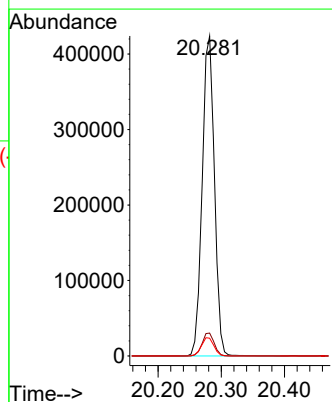
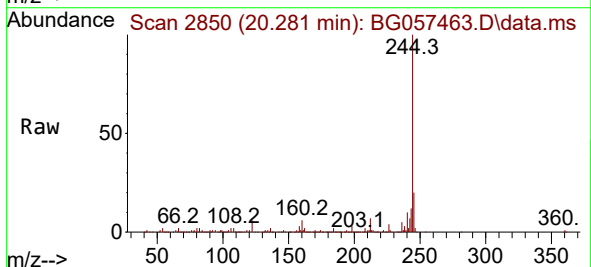
RT: 20.281 min Scan# 2850

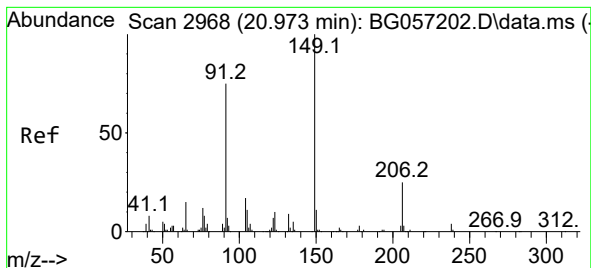
Delta R.T. 0.001 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 244   | Resp: | 569582 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 7.2   | 6.1   | 9.1    |
| 122       | 5.5   | 5.1   | 7.7    |





#80

Butylbenzylphthalate

Concen: 3.232 ng

RT: 20.951 min Scan# 2964

Delta R.T. -0.005 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

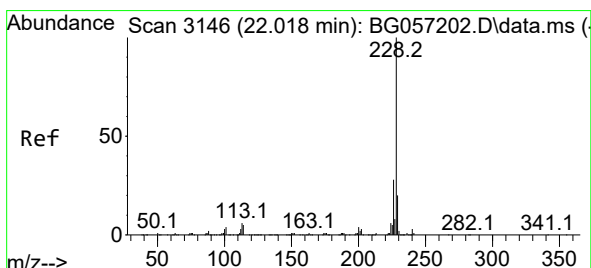
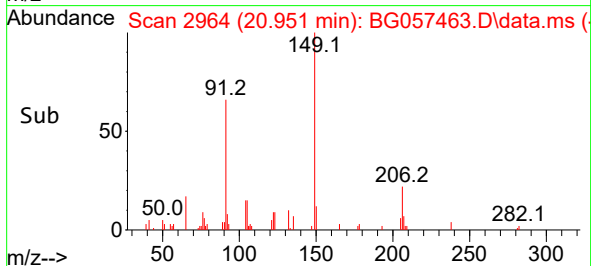
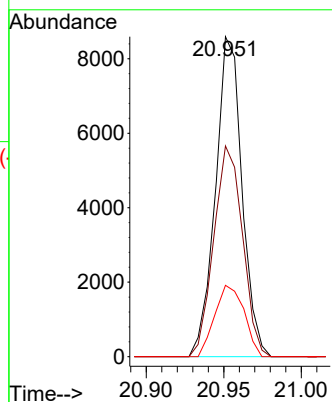
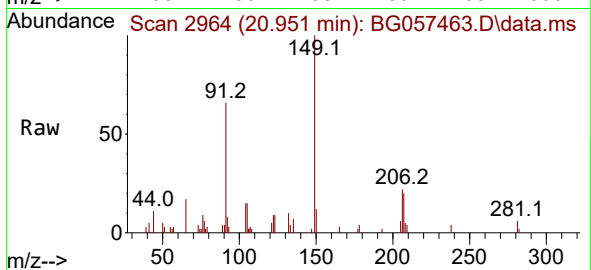
Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT2-2023

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 10230 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 91        | 65.9  | 59.7  | 89.5  |
| 206       | 22.3  | 19.7  | 29.5  |



#81

Benzo(a)anthracene

Concen: 3.468 ng

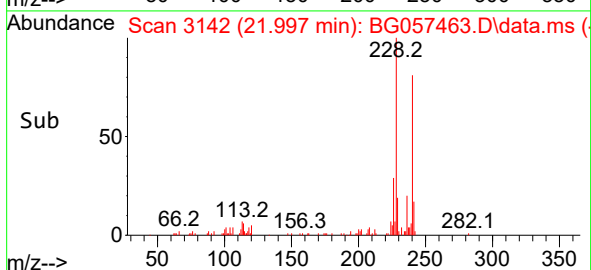
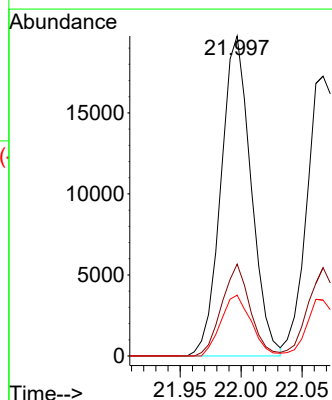
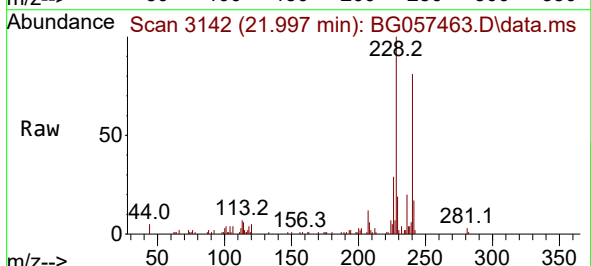
RT: 21.997 min Scan# 3142

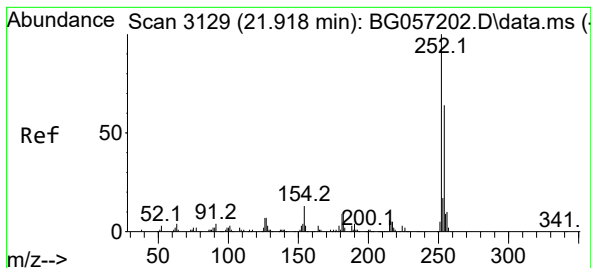
Delta R.T. 0.001 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 33922 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 28.7  | 22.0  | 33.0  |
| 229       | 19.0  | 15.8  | 23.8  |





#82

3,3'-Dichlorobenzidine

Concen: 4.020 ng

RT: 21.897 min Scan# 3125

Delta R.T. 0.001 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT2-2023

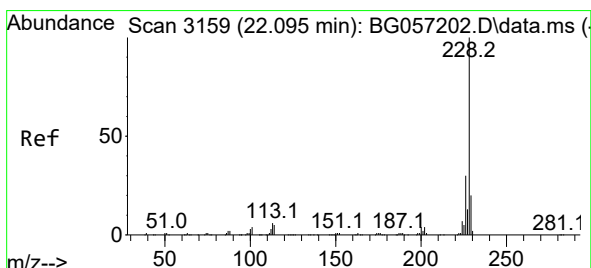
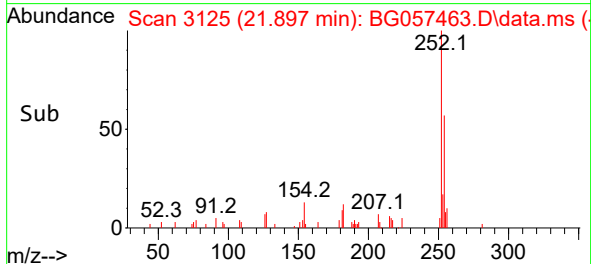
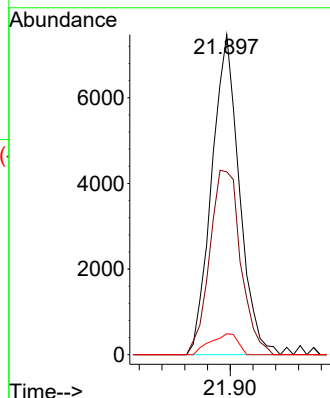
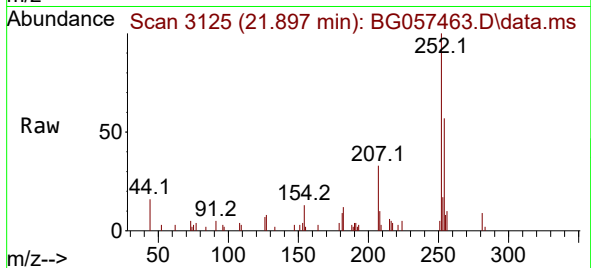
Tgt Ion:252 Resp: 12596

Ion Ratio Lower Upper

252 100

254 57.2 51.4 77.0

126 6.5 5.9 8.9



#83

Chrysene

Concen: 3.457 ng

RT: 22.067 min Scan# 3154

Delta R.T. -0.005 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

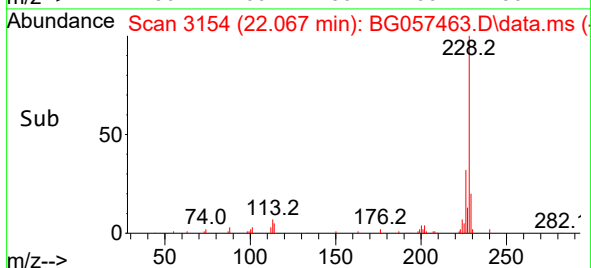
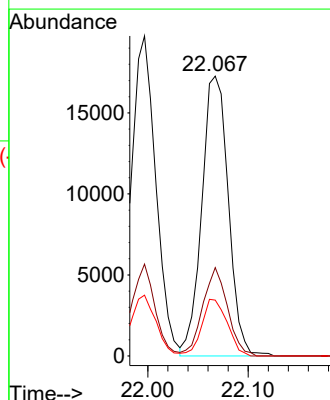
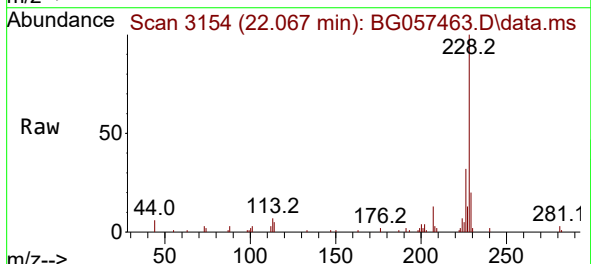
Tgt Ion:228 Resp: 31815

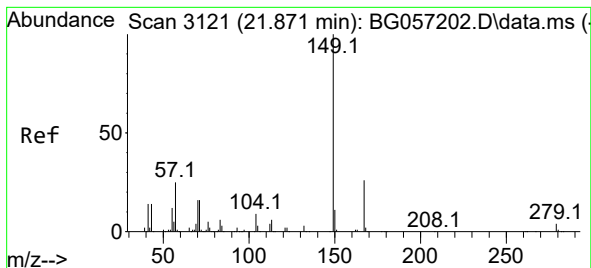
Ion Ratio Lower Upper

228 100

226 31.6 24.3 36.5

229 20.0 15.9 23.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.346 ng

RT: 21.844 min Scan# 3116

Delta R.T. 0.001 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT2-2023

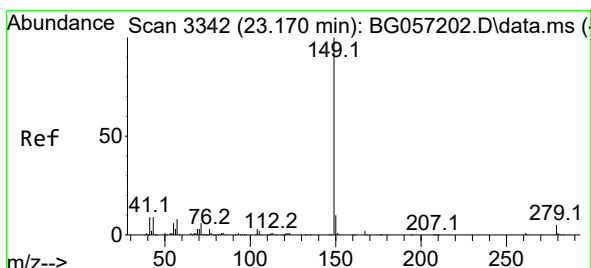
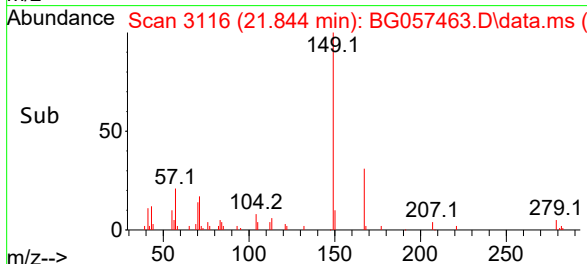
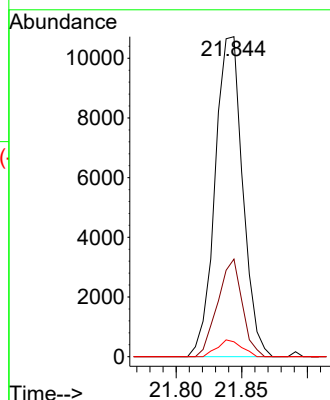
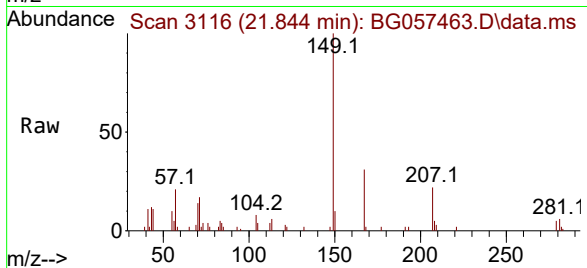
Tgt Ion:149 Resp: 15670

Ion Ratio Lower Upper

149 100

167 30.5 21.2 31.8

279 4.6 3.5 5.3



#85

Di-n-octyl phthalate

Concen: 3.384 ng

RT: 23.130 min Scan# 3335

Delta R.T. -0.005 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

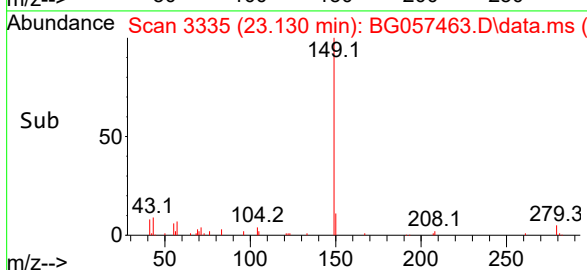
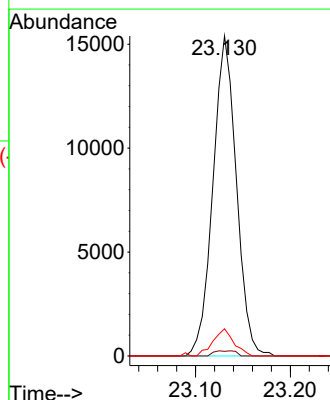
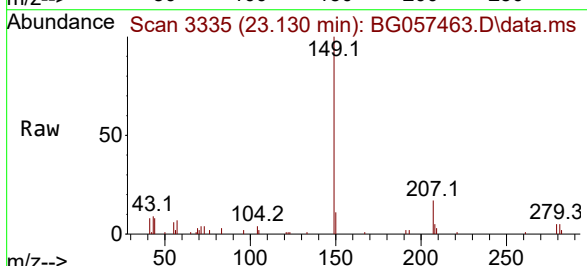
Tgt Ion:149 Resp: 26422

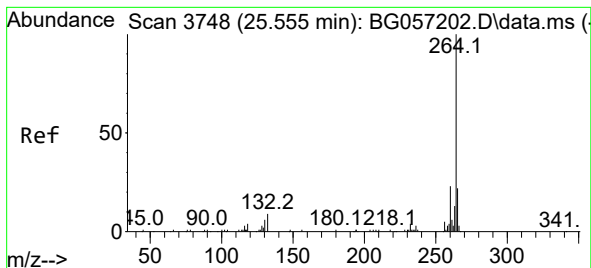
Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 7.5 7.8 11.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.510 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT2-2023

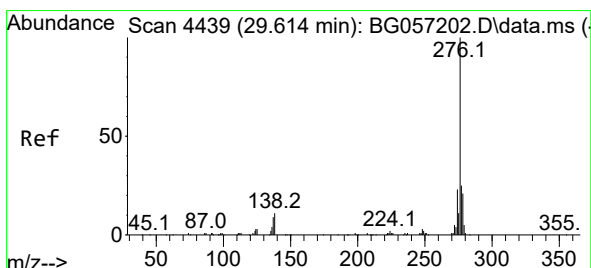
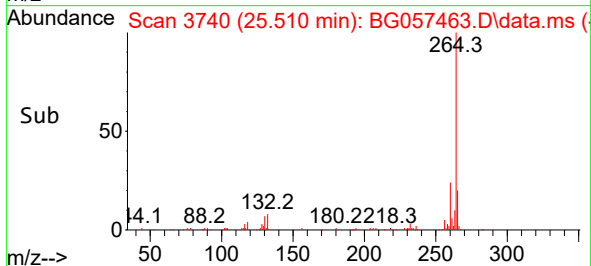
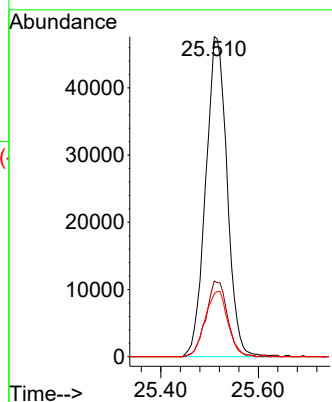
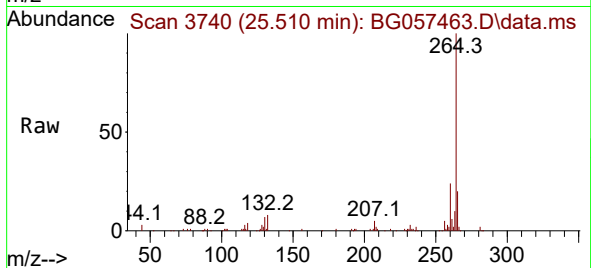
Tgt Ion:264 Resp: 144894

Ion Ratio Lower Upper

264 100

260 23.6 18.8 28.2

265 19.7 17.9 26.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.453 ng

RT: 29.551 min Scan# 4428

Delta R.T. -0.011 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

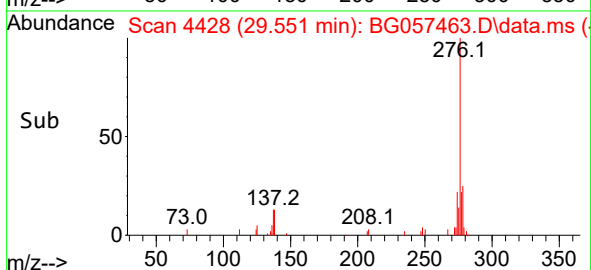
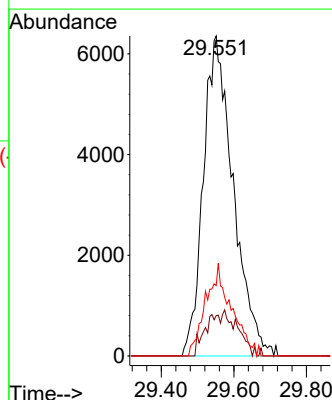
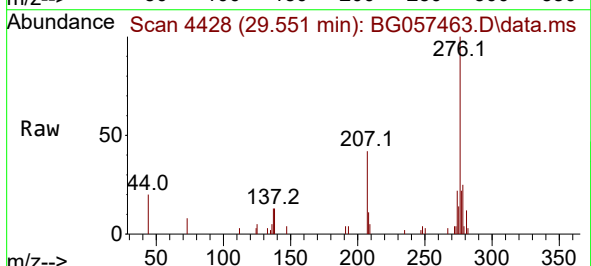
Tgt Ion:276 Resp: 36468

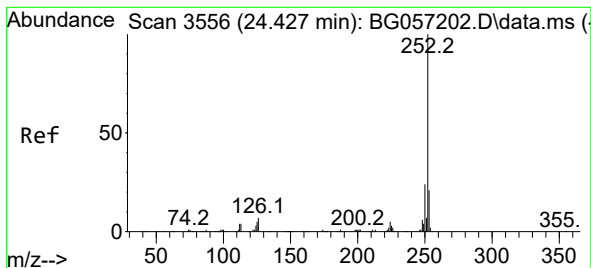
Ion Ratio Lower Upper

276 100

138 4.7 5.4 8.0#

277 24.8 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 3.547 ng

RT: 24.388 min Scan# 3549

Delta R.T. -0.005 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT2-2023

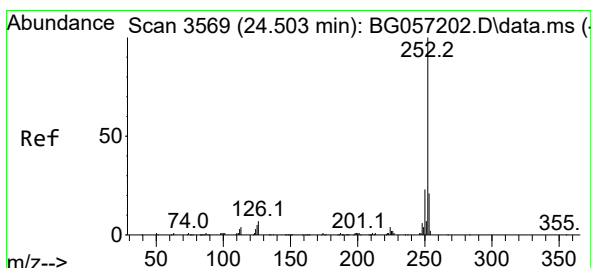
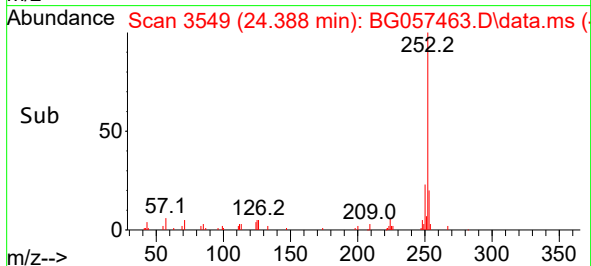
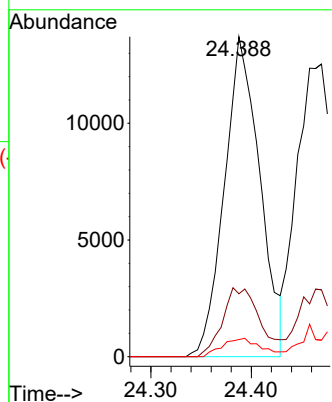
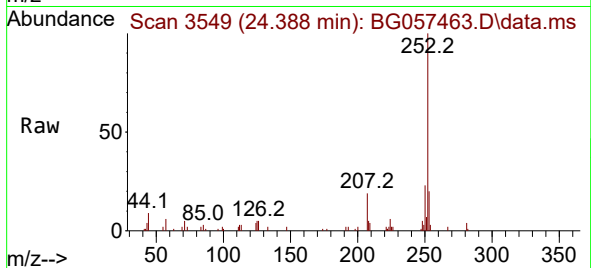
Tgt Ion:252 Resp: 33600

Ion Ratio Lower Upper

252 100

253 19.6 17.0 25.6

125 5.4 4.2 6.2



#89

Benzo(k)fluoranthene

Concen: 3.518 ng

RT: 24.470 min Scan# 3563

Delta R.T. 0.001 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

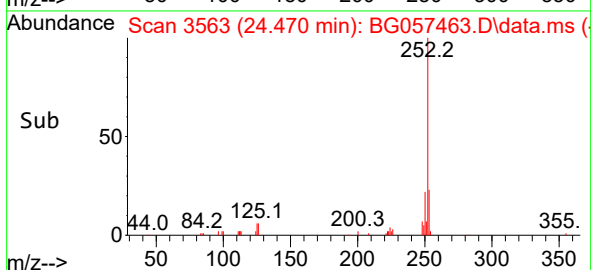
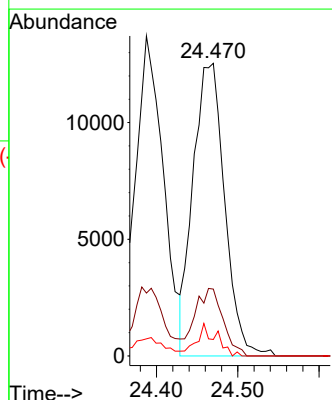
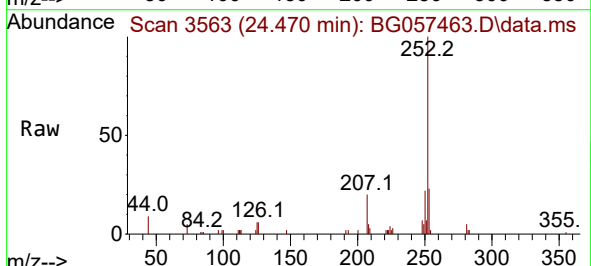
Tgt Ion:252 Resp: 33859

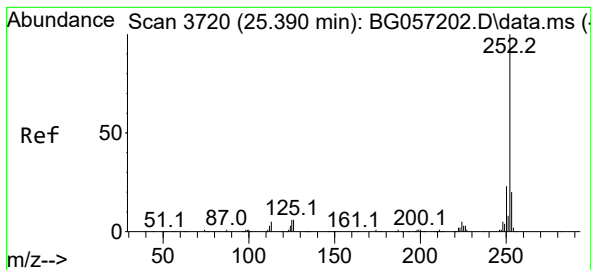
Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

125 5.7 4.1 6.1





#90

Benzo(a)pyrene

Concen: 3.082 ng

RT: 25.351 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT2-2023

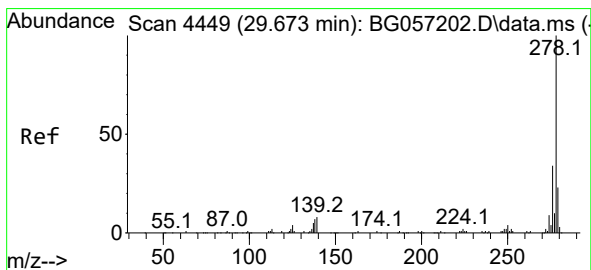
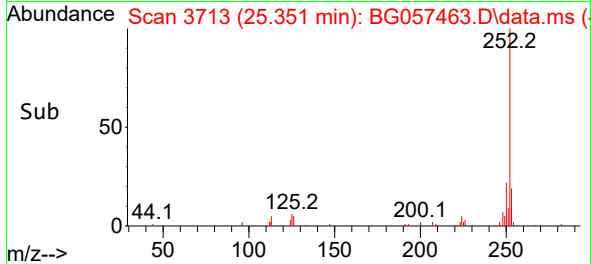
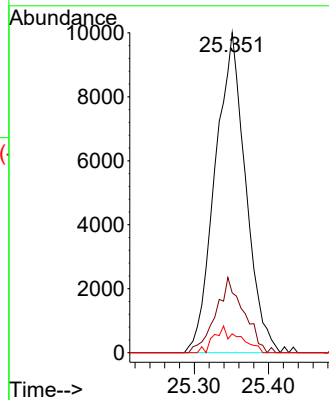
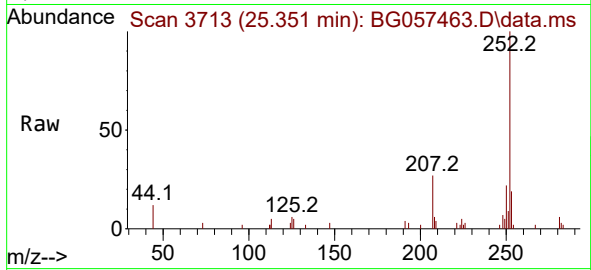
Tgt Ion:252 Resp: 28516

Ion Ratio Lower Upper

252 100

253 18.7 16.3 24.5

125 5.9 5.0 7.4



#91

Dibenzo(a,h)anthracene

Concen: 3.412 ng

RT: 29.610 min Scan# 4438

Delta R.T. 0.001 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

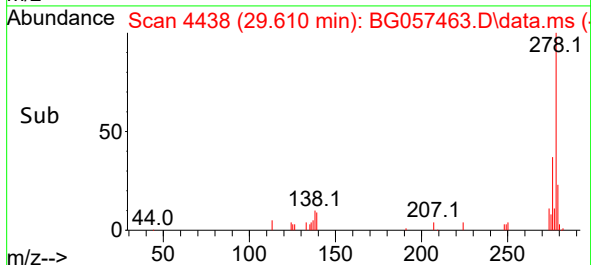
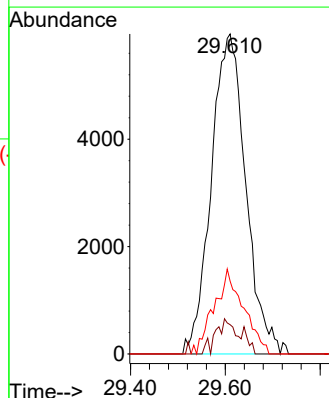
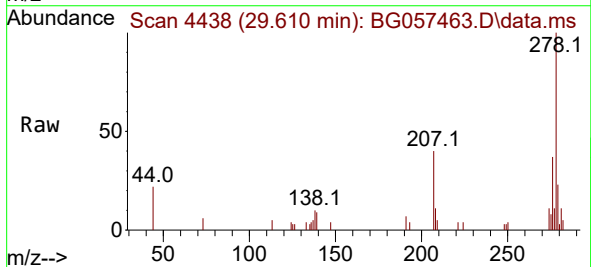
Tgt Ion:278 Resp: 30004

Ion Ratio Lower Upper

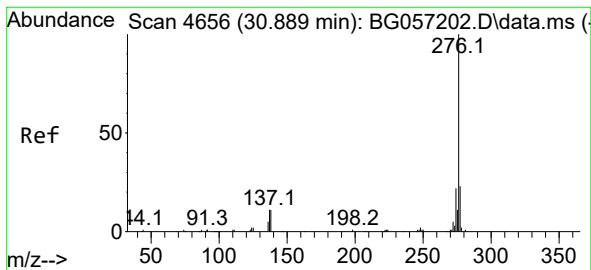
278 100

139 9.1 6.2 9.2

279 22.7 18.6 27.8







#92

Benzo(g,h,i)perylene

Concen: 3.386 ng

RT: 30.826 min Scan# 4

Delta R.T. -0.011 min

Lab File: BG057463.D

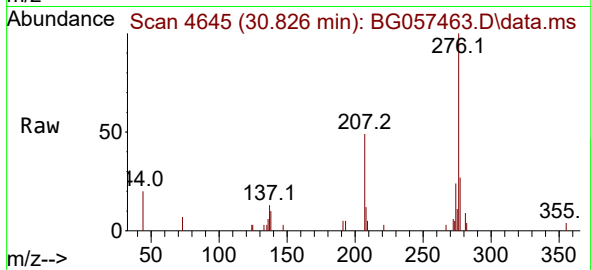
Acq: 19 May 2023 11:30

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT2-2023



Tgt Ion:276 Resp: 29079

Ion Ratio Lower Upper

276 100

277 26.8 18.4 27.6

138 10.1 9.0 13.4

