

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG090324\  
 Data File : BG062621.D  
 Acq On : 3 Sep 2024 11:49  
 Operator : MA/JU  
 Sample : P3390-02  
 Misc : LOQ--SOIL-5ng  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2024

Quant Time: Sep 04 04:52:46 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG083024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 31 02:36:01 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.923  | 152  | 60800    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.714 | 136  | 269921   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.551 | 164  | 224407   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.295 | 188  | 618166   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.537 | 240  | 635204   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.610 | 264  | 697700   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.503  | 112  | 326513   | 92.827  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.089  | 99   | 479798   | 94.422  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.075  | 82   | 378602   | 75.541  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.037 | 330  | 328355   | 103.972 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.170 | 172  | 1046122  | 75.510  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.909 | 244  | 2263713  | 70.663  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.411  | 88   | 7570     | 5.166   | ng    | 94       |
| 3) Pyridine                   | 3.810  | 79   | 16798    | 3.979   | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.716  | 42   | 9645     | 4.699   | ng    | # 69     |
| 6) Aniline                    | 7.248  | 93   | 23885    | 5.031   | ng    | 98       |
| 8) 2-Chlorophenol             | 7.488  | 128  | 15942    | 4.222   | ng    | 93       |
| 9) Benzaldehyde               | 7.060  | 77   | 16824    | 5.692   | ng    | 91       |
| 10) Phenol                    | 7.112  | 94   | 21579    | 4.195   | ng    | 89       |
| 11) bis(2-Chloroethyl)ether   | 7.342  | 93   | 16773    | 4.259   | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.817  | 146  | 18127    | 4.374   | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 7.958  | 146  | 17943    | 4.207   | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 8.276  | 146  | 17514    | 4.178   | ng    | 91       |
| 15) Benzyl Alcohol            | 8.158  | 79   | 15735    | 4.185   | ng    | # 89     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.440  | 45   | 32634    | 4.348   | ng    | 98       |
| 17) 2-Methylphenol            | 8.364  | 107  | 13593    | 3.791   | ng    | # 89     |
| 18) Hexachloroethane          | 8.998  | 117  | 6241     | 3.903   | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 8.716  | 70   | 16212    | 4.049   | ng    | # 91     |
| 20) 3+4-Methylphenols         | 8.687  | 107  | 18531    | 3.503   | ng    | 92       |
| 22) Acetophenone              | 8.740  | 105  | 30843    | 4.236   | ng    | # 97     |
| 24) Nitrobenzene              | 9.116  | 77   | 23584    | 4.426   | ng    | 96       |
| 25) Isophorone                | 9.633  | 82   | 47617    | 4.328   | ng    | # 96     |
| 26) 2-Nitrophenol             | 9.827  | 139  | 7652     | 3.800   | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 9.892  | 122  | 7419     | 2.515   | ng    | # 85     |
| 28) bis(2-Chloroethoxy)met... | 10.121 | 93   | 25585    | 4.344   | ng    | # 96     |
| 29) 2,4-Dichlorophenol        | 10.362 | 162  | 17027    | 4.128   | ng    | 93       |
| 30) 1,2,4-Trichlorobenzene    | 10.579 | 180  | 20480    | 4.188   | ng    | 100      |
| 31) Naphthalene               | 10.767 | 128  | 57803    | 4.321   | ng    | 99       |
| 32) Benzoic acid              | 10.027 | 122  | 309      | 0.097   | ng    | 90       |
| 33) 4-Chloroaniline           | 10.873 | 127  | 23319    | 4.429   | ng    | # 92     |
| 34) Hexachlorobutadiene       | 11.055 | 225  | 14801    | 4.334   | ng    | # 84     |
| 35) Caprolactam               | 11.607 | 113  | 6913     | 4.347   | ng    | 96       |
| 36) 4-Chloro-3-methylphenol   | 11.995 | 107  | 20051    | 4.030   | ng    | 94       |
| 37) 2-Methylnaphthalene       | 12.371 | 142  | 43896    | 4.230   | ng    | 94       |
| 38) 1-Methylnaphthalene       | 12.371 | 142  | 43896    | 4.213   | ng    | 89       |
| 40) 1,2,4,5-Tetrachloroben... | 12.741 | 216  | 30790    | 4.562   | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.723 | 237  | 5213     | 2.707   | ng    | 95       |
| 43) 2,4,6-Trichlorophenol     | 12.982 | 196  | 17960    | 4.198   | ng    | 94       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG090324\  
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 Sample : P3390-02  
 Misc : LOQ--SOIL-5ng  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2024

Quant Time: Sep 04 04:52:46 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG083024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 31 02:36:01 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.053 | 196  | 20033    | 4.135 | ng    | # 95     |
| 46) 1,1'-Biphenyl             | 13.382 | 154  | 70265    | 4.693 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.423 | 162  | 52210    | 4.303 | ng    | 96       |
| 48) 2-Nitroaniline            | 13.622 | 65   | 12493    | 3.915 | ng    | 89       |
| 49) Acenaphthylene            | 14.269 | 152  | 83834    | 4.666 | ng    | 97       |
| 50) Dimethylphthalate         | 13.998 | 163  | 72814    | 4.437 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 14.116 | 165  | 11701    | 3.770 | ng    | 94       |
| 52) Acenaphthene              | 14.610 | 154  | 50039    | 4.455 | ng    | 95       |
| 53) 3-Nitroaniline            | 14.445 | 138  | 11894    | 3.960 | ng    | 88       |
| 54) 2,4-Dinitrophenol         | 14.657 | 184  | 3671     | 2.108 | ng    | # 89     |
| 55) Dibenzofuran              | 14.944 | 168  | 89762    | 4.660 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.756 | 139  | 9555     | 3.754 | ng    | 89       |
| 57) 2,4-Dinitrotoluene        | 14.903 | 165  | 15570    | 3.677 | ng    | 95       |
| 58) Fluorene                  | 15.597 | 166  | 69638    | 4.606 | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.174 | 232  | 19931    | 4.343 | ng    | # 97     |
| 60) Diethylphthalate          | 15.362 | 149  | 71520    | 4.397 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.591 | 204  | 41007    | 4.725 | ng    | 95       |
| 62) 4-Nitroaniline            | 15.602 | 138  | 12690    | 3.832 | ng    | 95       |
| 63) Azobenzene                | 15.879 | 77   | 66771    | 4.372 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.667 | 198  | 8123     | 2.945 | ng    | 83       |
| 66) n-Nitrosodiphenylamine    | 15.802 | 169  | 63451    | 4.269 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.484 | 248  | 27465    | 4.305 | ng    | 95       |
| 68) Hexachlorobenzene         | 16.601 | 284  | 33013    | 4.369 | ng    | # 92     |
| 69) Atrazine                  | 16.748 | 200  | 27632    | 5.474 | ng    | 99       |
| 70) Pentachlorophenol         | 16.942 | 266  | 13460    | 2.781 | ng    | 96       |
| 71) Phenanthrene              | 17.330 | 178  | 131053   | 4.542 | ng    | 97       |
| 72) Anthracene                | 17.424 | 178  | 124892   | 4.402 | ng    | 100      |
| 73) Carbazole                 | 17.688 | 167  | 114570   | 4.393 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.258 | 149  | 121002   | 4.114 | ng    | 98       |
| 75) Fluoranthene              | 19.345 | 202  | 165578   | 4.537 | ng    | 97       |
| 77) Benzidine                 | 19.527 | 184  | 34570    | 3.020 | ng    | 97       |
| 78) Pyrene                    | 19.704 | 202  | 176339   | 4.367 | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.602 | 149  | 42549    | 3.588 | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.519 | 228  | 177970   | 4.442 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.437 | 252  | 58661    | 4.495 | ng    | 96       |
| 83) Chrysene                  | 21.578 | 228  | 169507   | 4.417 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.437 | 149  | 70004    | 3.885 | ng    | # 99     |
| 85) Di-n-octyl phthalate      | 22.600 | 149  | 114809   | 3.639 | ng    | # 94     |
| 87) Indeno(1,2,3-cd)pyrene    | 28.070 | 276  | 193695   | 4.330 | ng    | # 93     |
| 88) Benzo(b)fluoranthene      | 23.634 | 252  | 163587   | 4.245 | ng    | 97       |
| 89) Benzo(k)fluoranthene      | 23.699 | 252  | 167816   | 4.452 | ng    | 98       |
| 90) Benzo(a)pyrene            | 24.463 | 252  | 149092   | 4.379 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.123 | 278  | 160291   | 4.349 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 29.145 | 276  | 152536   | 4.105 | ng    | 97       |

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

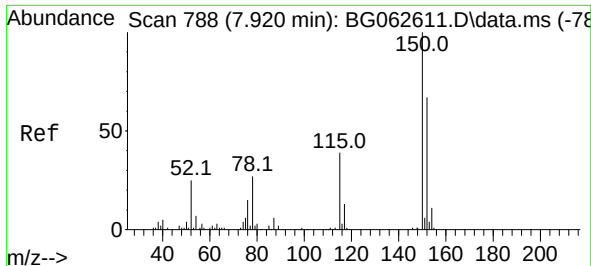
**Instrument :**  
BNA\_G  
**ClientSampleId :**  
LOQ-SOIL-02-QT3-2024

TIC: BG062621.D\data.ms

Abundance

Time-->

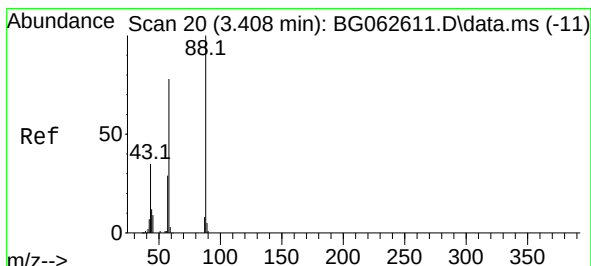
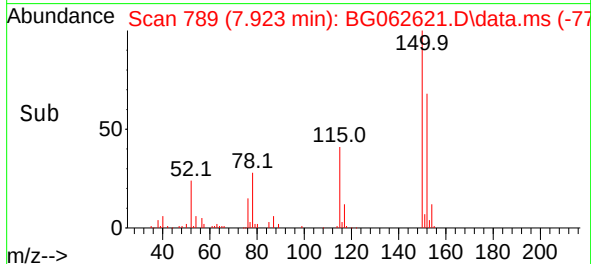
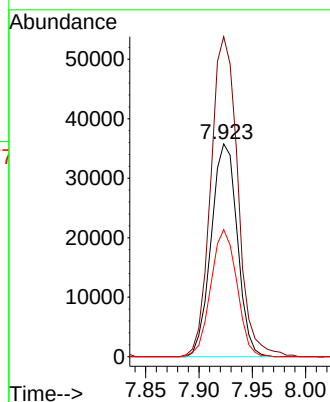
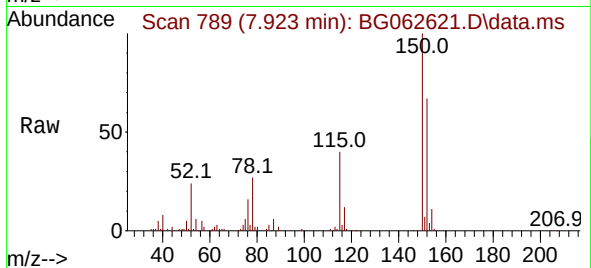
1,4-Dioxane  
N,N-dimethylamine,  
Phenol  
2-Fluorophenol,S  
Phenol-d6,S  
Benzaldehyde  
Benzophenone  
2-Chlorophenyl ether  
1,2-Dichlorobenzene  
1,2,4-Trichlorobenzene-d4,l  
2,3,4-Trichlorobenzene  
3,4,5-Trichlorobenzene  
N,N-dimethylamine,P  
Nitrobenzene  
Nitrobenzene-d5,S  
Benzonitrile  
Benzonitrile-d5  
Benzonitrile-d6  
2,4-Dichlorophenol,C  
2,4,6-Trichlorophenol,C  
Hexachlorobutadiene,C  
Caprolactam  
4-Chloro-3-methylphenol,C  
2-Methylnaphthalene  
Hexachlorobenzene  
2,4,6-Trichlorophenol,C  
2-Chlorophenyl ether  
2-Nitroaniline  
2-Nitrophenol  
2-Methylphenol  
3-Methylphenol  
2,4-Dichlorophenol,C  
Acenaphthene-d10,l  
2,4,6-Trichlorophenol  
2,4,6-Trichlorophenol  
4,6-Dichlorophenyl ether  
Acenaphthene  
4-Bromophenyl ether  
4-Bromophenyl ether  
Phenanthrene-d10,l  
Phenanthrene  
Carbazole  
Di-n-butylphthalate  
Phenanthrene,C  
Benzidine  
Fluoranthene,C  
Pyrene  
Butylbenzylphthalate  
Benzylbenzylphthalate  
Chrysene  
Chrysene  
Di-n-octyl phthalate,c  
Benzofluoranthene  
Benzofluoranthene  
Benzofluoranthene  
Benzofluoranthene  
Perylene-d12,l  
Perylene  
Indeno(1,2,3-b)fluoranthene  
Indeno(1,2,3-b)fluoranthene  
Benzo(g,h,i)perylene



#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.923 min Scan# 71  
Delta R.T. 0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

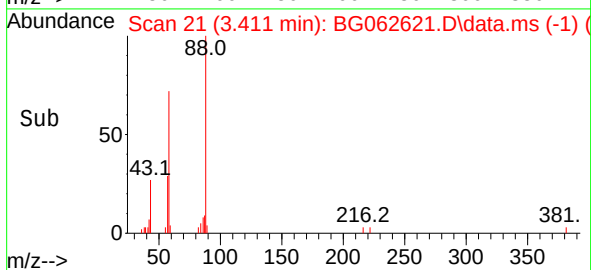
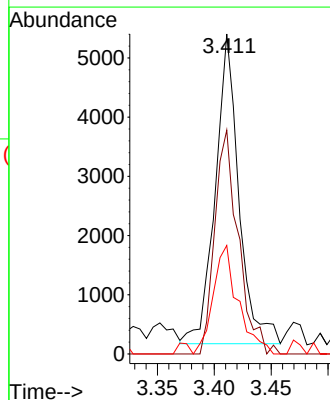
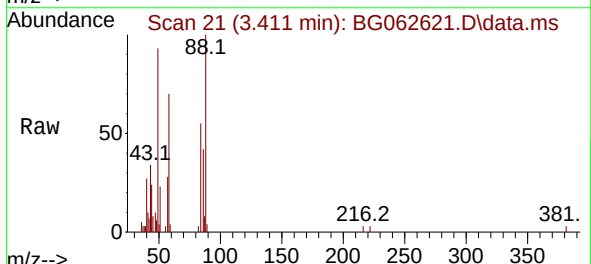
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

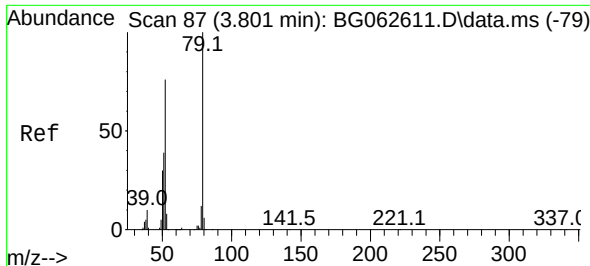
Tgt Ion:152 Resp: 60800  
Ion Ratio Lower Upper  
152 100  
150 150.3 119.9 179.9  
115 59.7 46.6 69.8



#2  
1,4-Dioxane  
Concen: 5.166 ng  
RT: 3.411 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

Tgt Ion: 88 Resp: 7570  
Ion Ratio Lower Upper  
88 100  
58 71.9 62.3 93.5  
43 37.0 27.5 41.3





#3

Pyridine

Concen: 3.979 ng

RT: 3.810 min Scan# 80

Delta R.T. 0.009 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

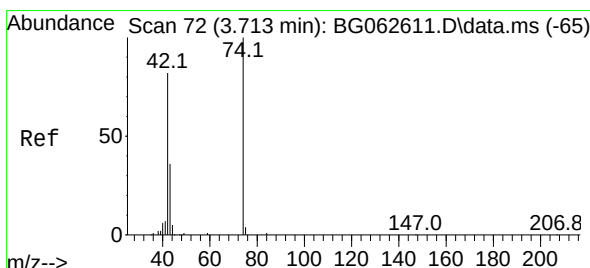
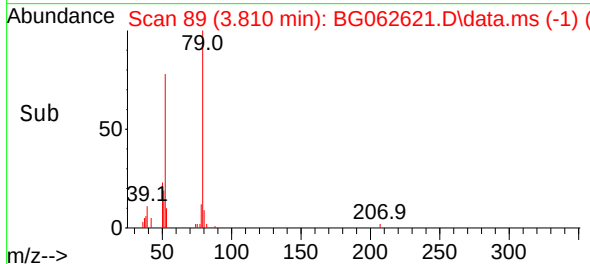
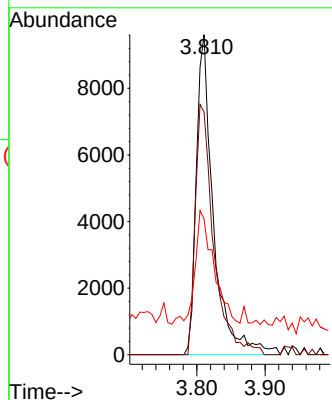
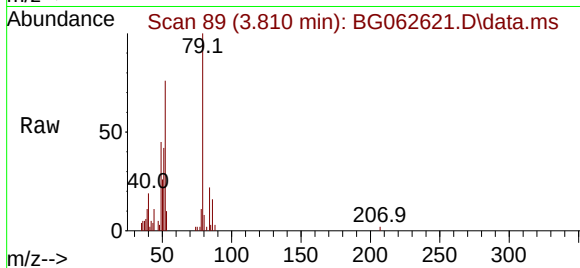
Tgt Ion: 79 Resp: 16798

Ion Ratio Lower Upper

79 100

52 75.9 60.9 91.3

51 42.5 31.5 47.3



#4

n-Nitrosodimethylamine

Concen: 4.699 ng

RT: 3.716 min Scan# 73

Delta R.T. 0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

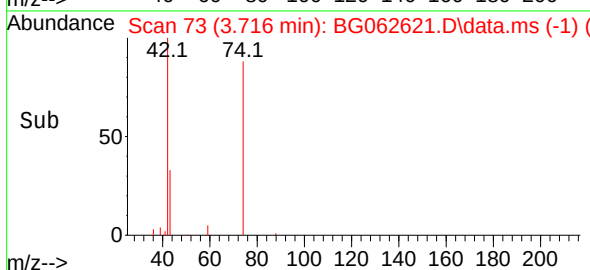
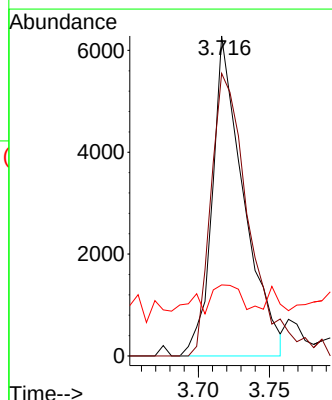
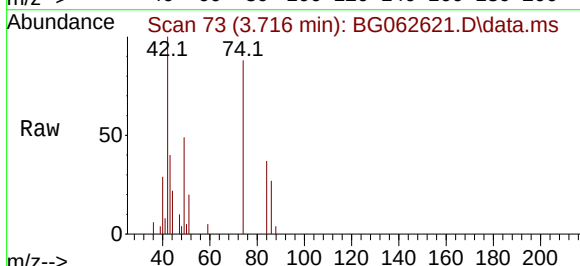
Tgt Ion: 42 Resp: 9645

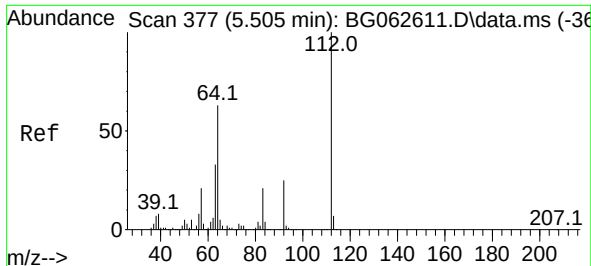
Ion Ratio Lower Upper

42 100

74 88.3 98.0 147.0#

44 22.2 7.4 11.2#

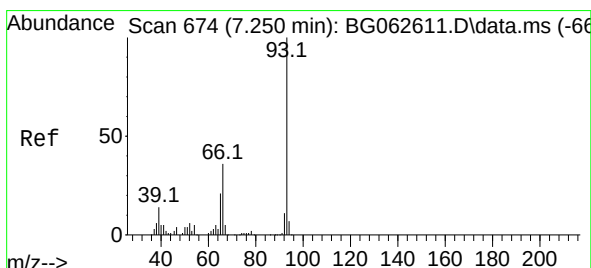
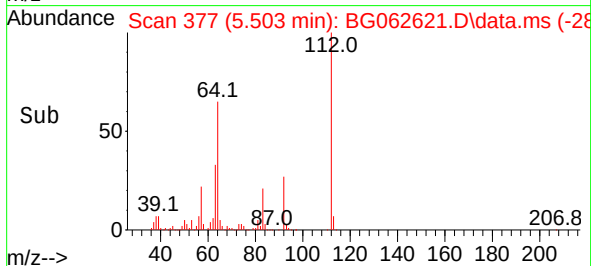
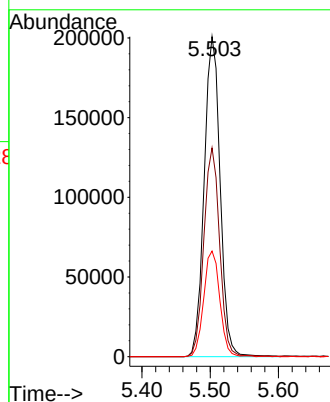
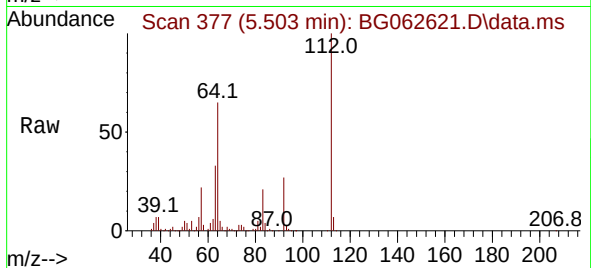




#5  
2-Fluorophenol  
Concen: 92.827 ng  
RT: 5.503 min Scan# 377  
Delta R.T. -0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

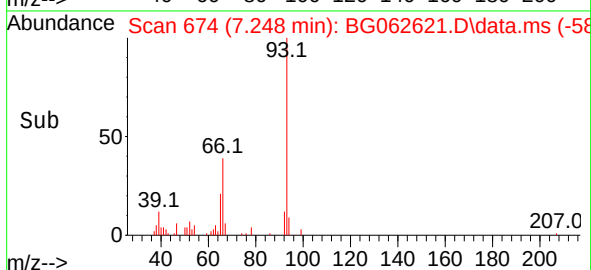
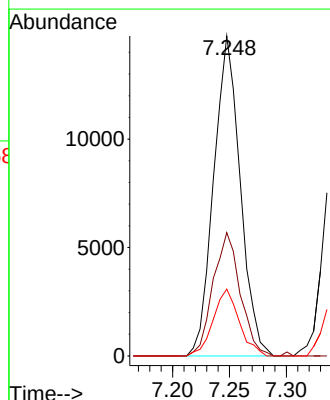
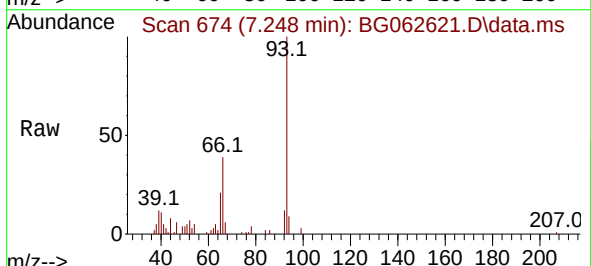
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

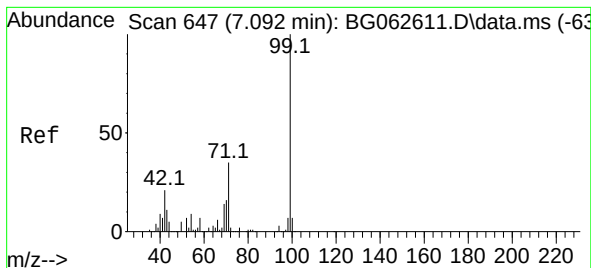
Tgt Ion:112 Resp: 326513  
Ion Ratio Lower Upper  
112 100  
64 65.2 50.2 75.2  
63 33.0 26.6 39.8



#6  
Aniline  
Concen: 5.031 ng  
RT: 7.248 min Scan# 674  
Delta R.T. -0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

Tgt Ion: 93 Resp: 23885  
Ion Ratio Lower Upper  
93 100  
66 38.6 29.1 43.7  
65 20.9 16.6 25.0





#7

Phenol-d6

Concen: 94.422 ng

RT: 7.089 min Scan# 647

Delta R.T. -0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

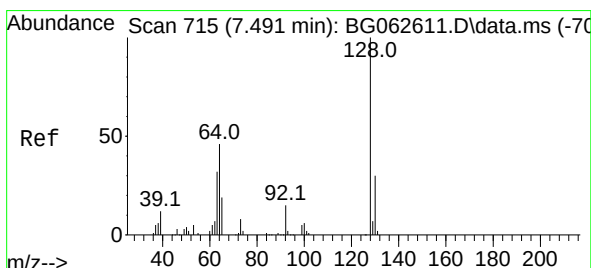
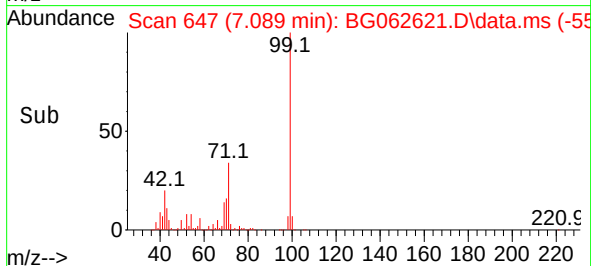
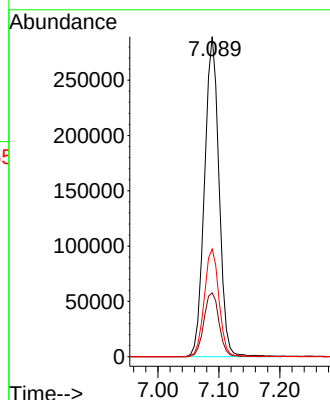
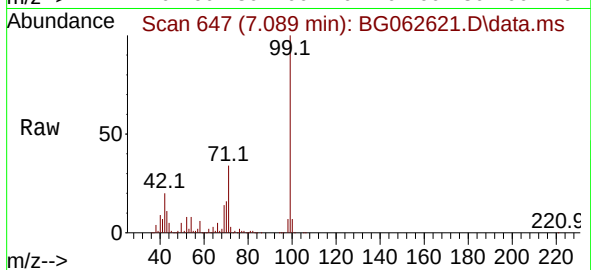
Tgt Ion: 99 Resp: 479798

Ion Ratio Lower Upper

99 100

42 19.9 16.9 25.3

71 33.6 27.9 41.9



#8

2-Chlorophenol

Concen: 4.222 ng

RT: 7.488 min Scan# 715

Delta R.T. -0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

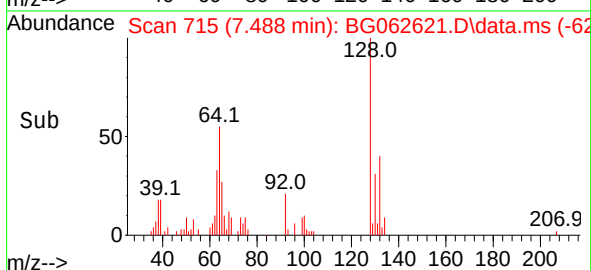
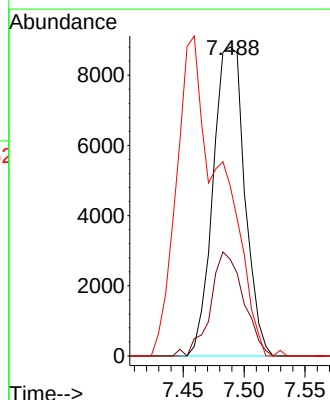
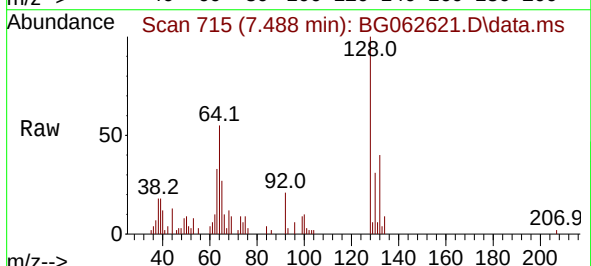
Tgt Ion:128 Resp: 15942

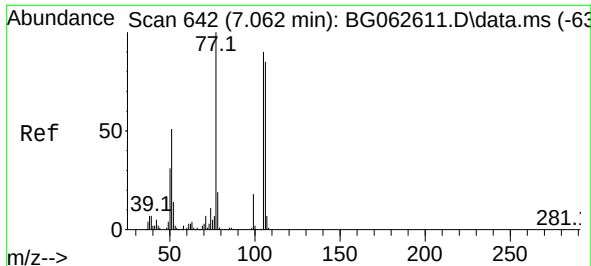
Ion Ratio Lower Upper

128 100

130 31.3 10.0 50.0

64 55.2 28.8 68.8

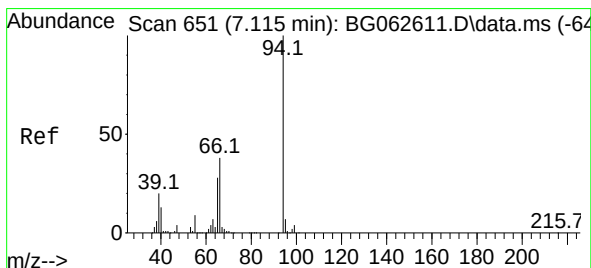
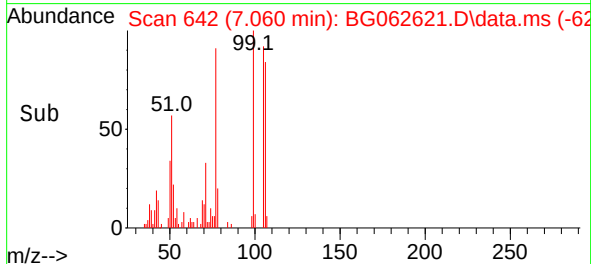
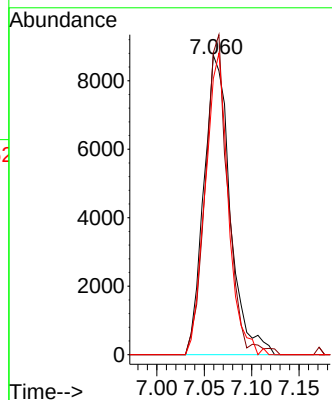
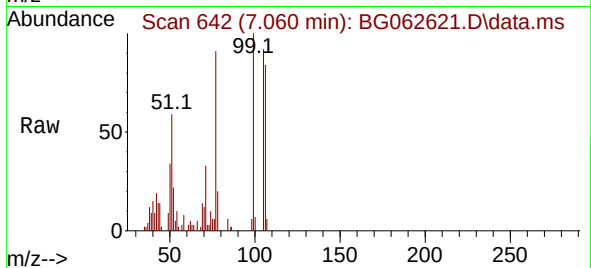




#9  
Benzaldehyde  
Concen: 5.692 ng  
RT: 7.060 min Scan# 642  
Delta R.T. -0.002 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

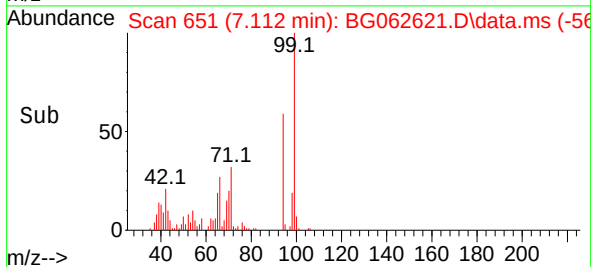
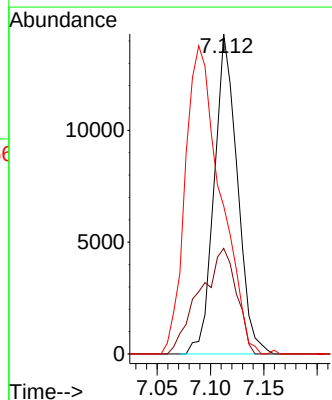
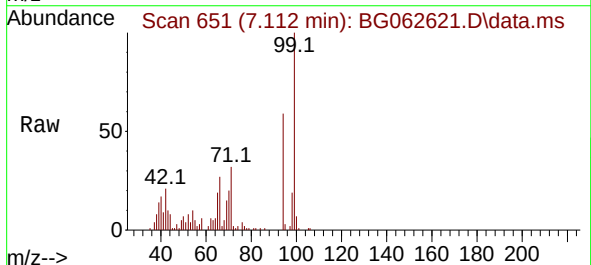
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

Tgt Ion: 77 Resp: 16824  
Ion Ratio Lower Upper  
77 100  
105 100.8 70.2 110.2  
106 92.1 65.4 105.4

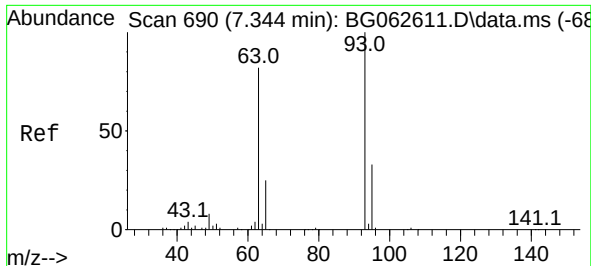


#10  
Phenol  
Concen: 4.195 ng  
RT: 7.112 min Scan# 651  
Delta R.T. -0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

Tgt Ion: 94 Resp: 21579  
Ion Ratio Lower Upper  
94 100  
65 33.0 8.6 48.6  
66 46.3 18.2 58.2



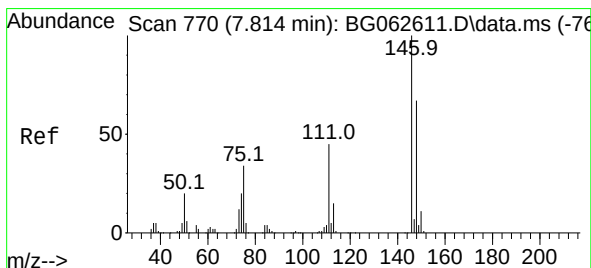
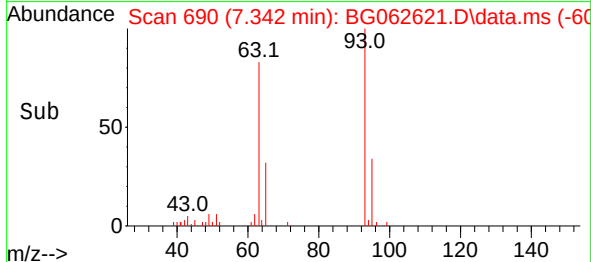
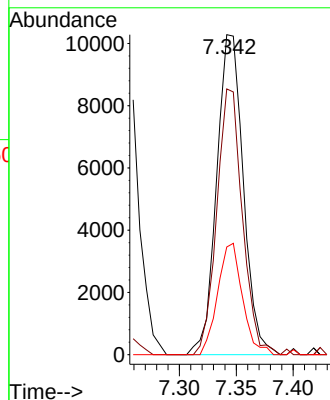
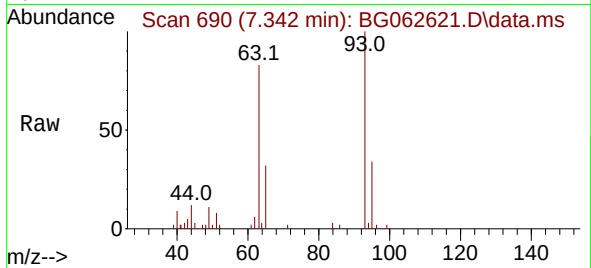




#11  
bis(2-Chloroethyl)ether  
Concen: 4.259 ng  
RT: 7.342 min Scan# 690  
Delta R.T. -0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

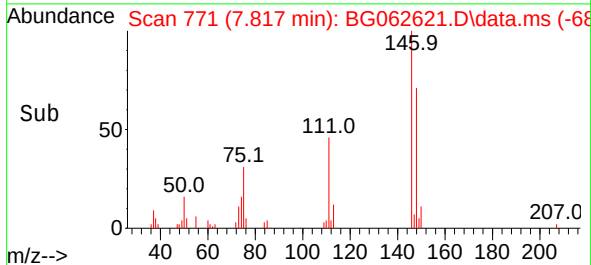
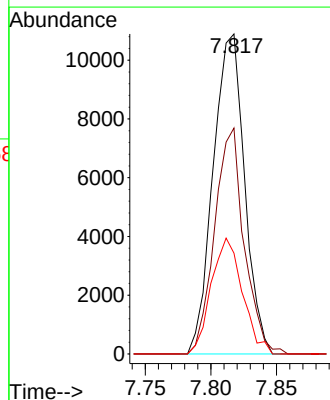
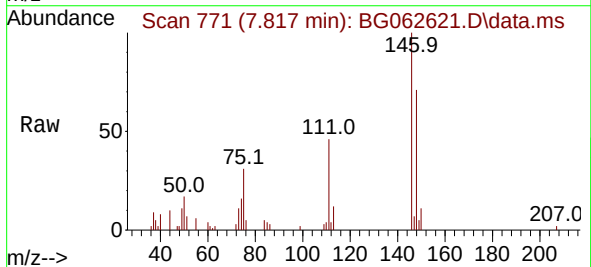
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

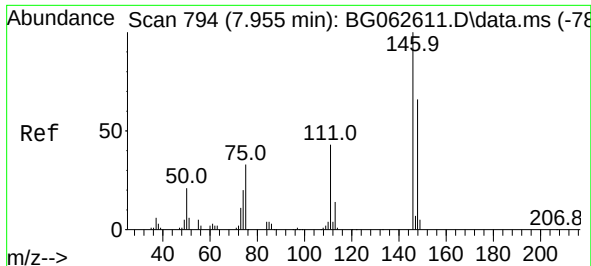
Tgt Ion: 93 Resp: 16773  
Ion Ratio Lower Upper  
93 100  
63 83.0 61.9 101.9  
95 33.7 12.9 52.9



#12  
1,3-Dichlorobenzene  
Concen: 4.374 ng  
RT: 7.817 min Scan# 771  
Delta R.T. 0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

Tgt Ion:146 Resp: 18127  
Ion Ratio Lower Upper  
146 100  
148 70.6 53.9 80.9  
75 31.5 27.0 40.4





#13

1,4-Dichlorobenzene

Concen: 4.207 ng

RT: 7.958 min Scan# 794

Delta R.T. 0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

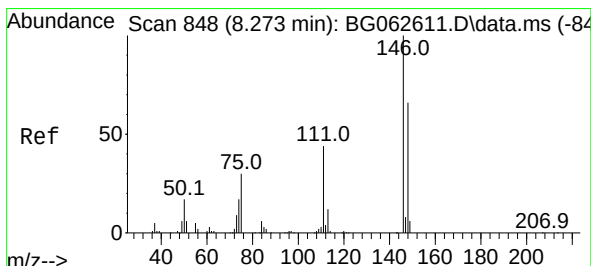
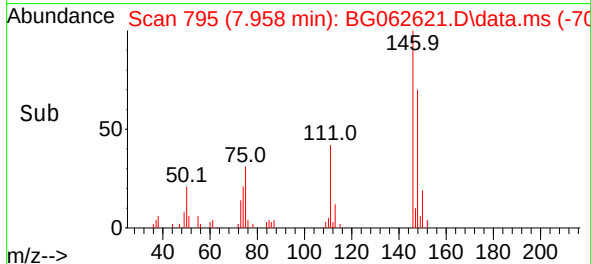
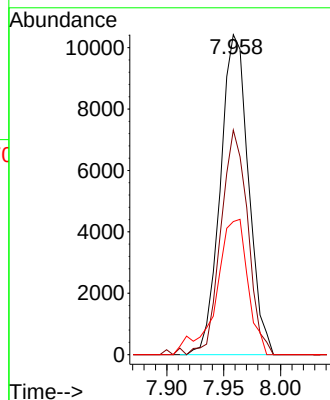
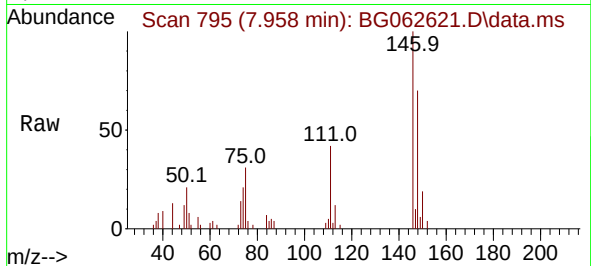
Tgt Ion:146 Resp: 17943

Ion Ratio Lower Upper

146 100

148 70.2 53.0 79.6

111 41.6 34.9 52.3



#14

1,2-Dichlorobenzene

Concen: 4.178 ng

RT: 8.276 min Scan# 849

Delta R.T. 0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

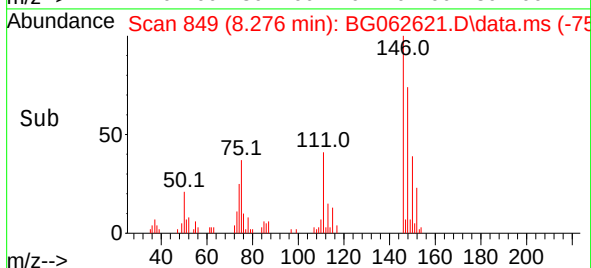
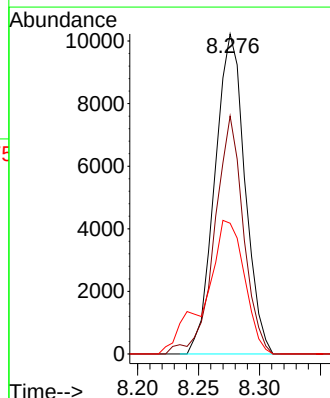
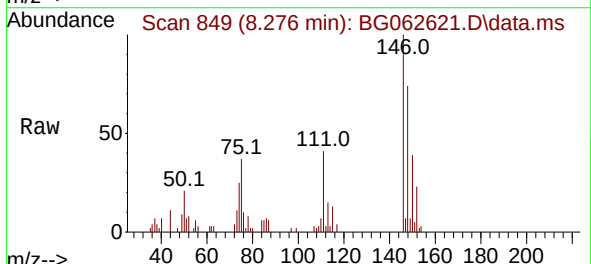
Tgt Ion:146 Resp: 17514

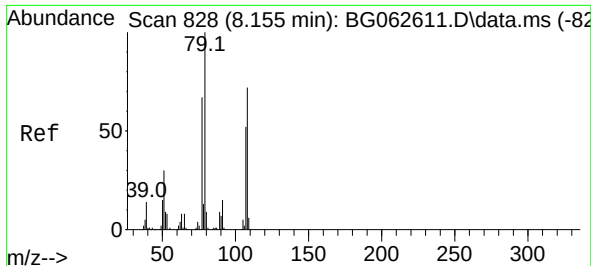
Ion Ratio Lower Upper

146 100

148 74.4 52.5 78.7

111 40.9 35.5 53.3

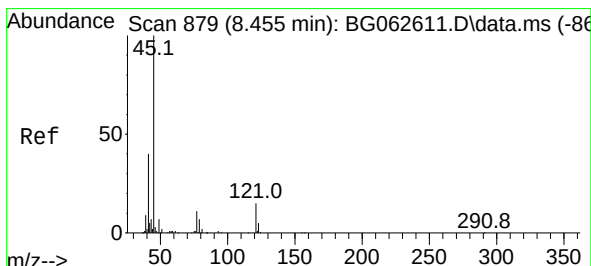
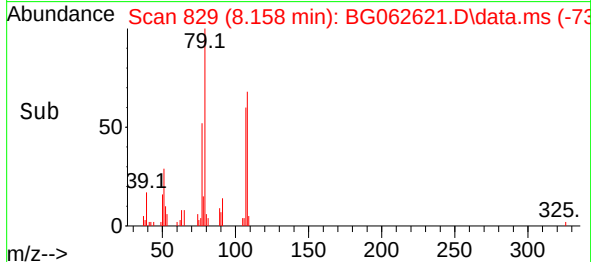
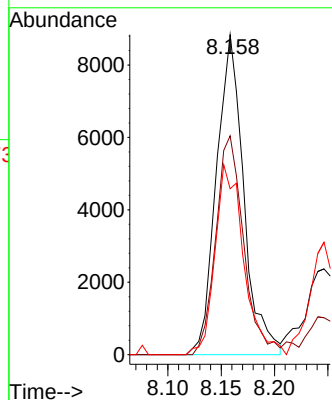
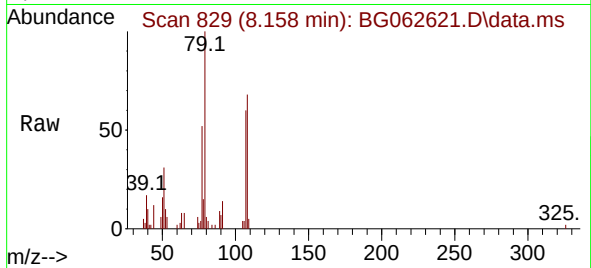




#15  
Benzyl Alcohol  
Concen: 4.185 ng  
RT: 8.158 min Scan# 81  
Delta R.T. 0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

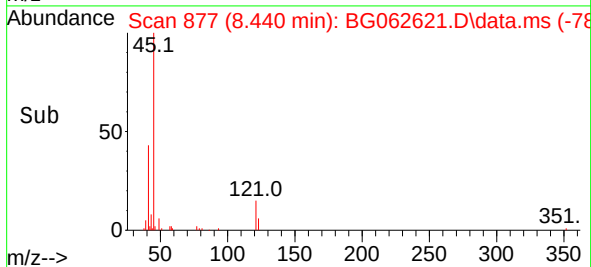
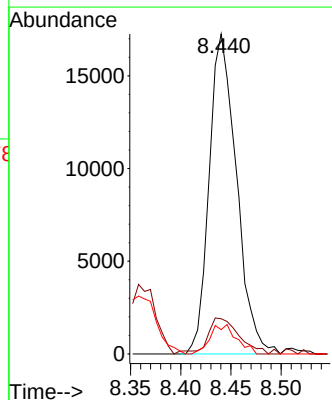
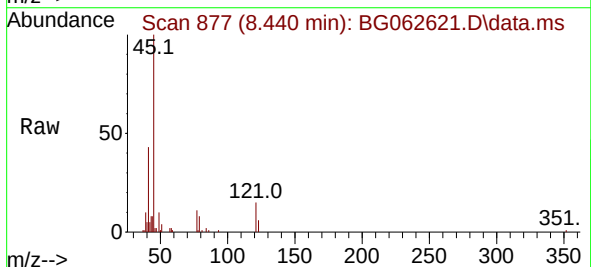
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

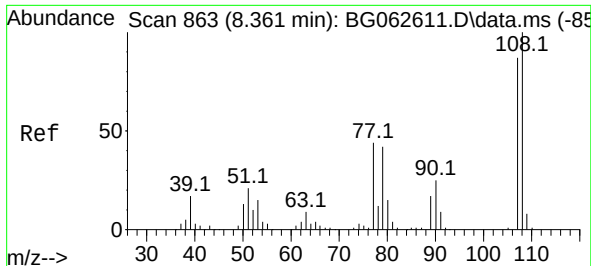
Tgt Ion: 79 Resp: 15735  
Ion Ratio Lower Upper  
79 100  
108 68.4 57.9 86.9  
77 51.8 53.4 80.2#



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 4.348 ng  
RT: 8.440 min Scan# 877  
Delta R.T. -0.014 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

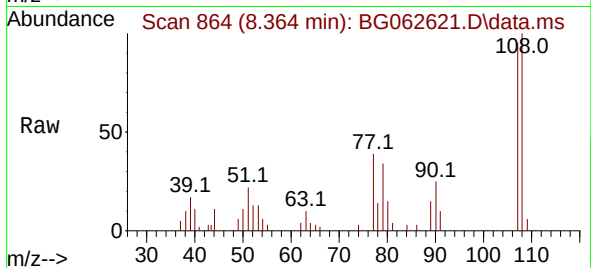
Tgt Ion: 45 Resp: 32634  
Ion Ratio Lower Upper  
45 100  
77 11.0 0.0 31.7  
79 7.6 0.0 28.3



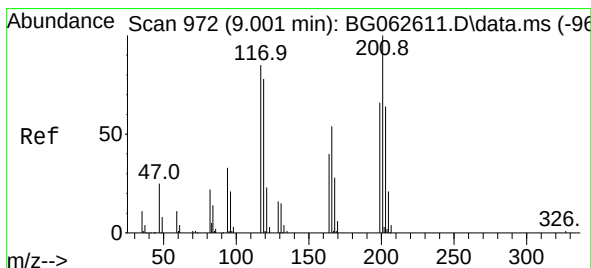
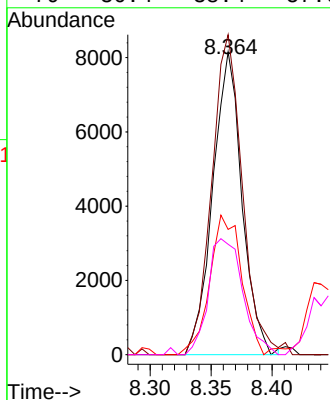
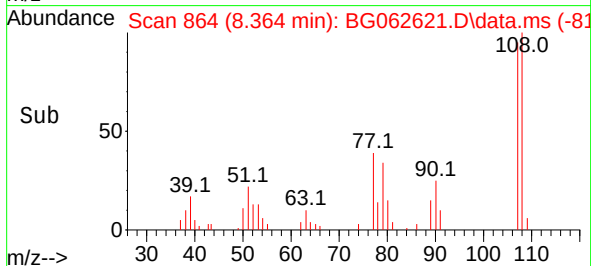


#17  
2-Methylphenol  
Concen: 3.791 ng  
RT: 8.364 min Scan# 863  
Delta R.T. 0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

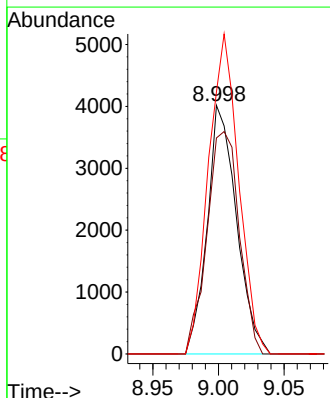
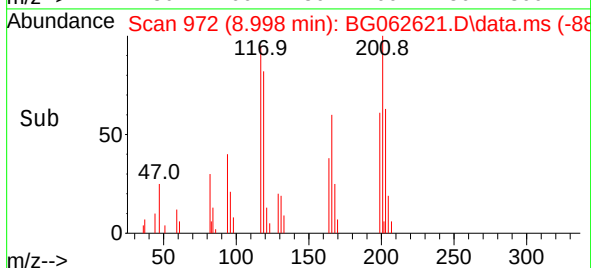
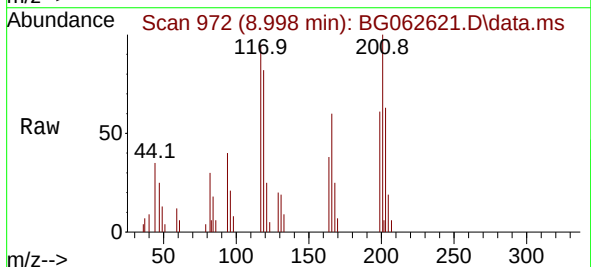


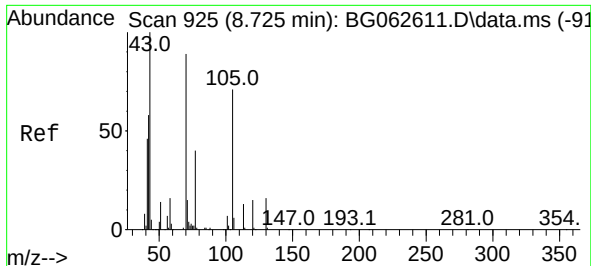
Tgt Ion:107 Resp: 13593  
Ion Ratio Lower Upper  
107 100  
108 105.6 91.5 137.3  
77 41.4 40.0 60.0  
79 36.4 38.4 57.6#



#18  
Hexachloroethane  
Concen: 3.903 ng  
RT: 8.998 min Scan# 972  
Delta R.T. -0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

Tgt Ion:117 Resp: 6241  
Ion Ratio Lower Upper  
117 100  
119 86.9 73.4 110.0  
201 111.7 93.9 140.9

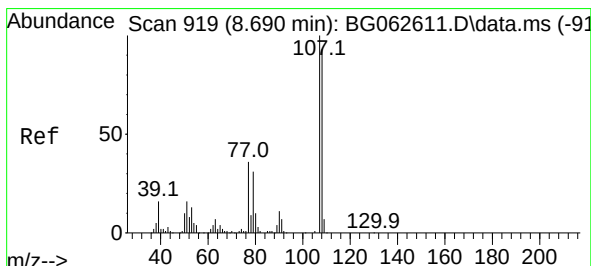
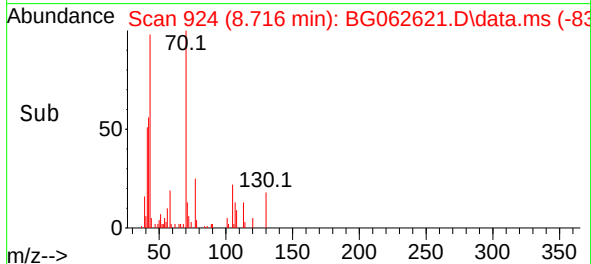
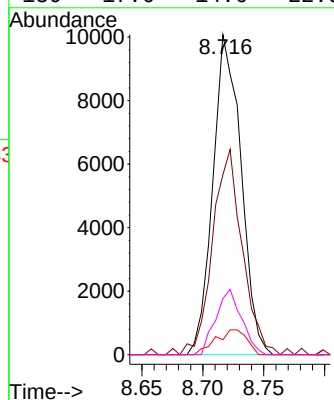
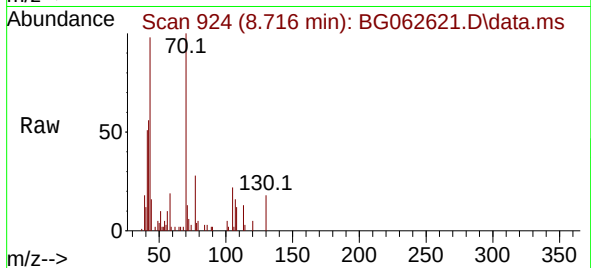




#19  
n-Nitroso-di-n-propylamine  
Concen: 4.049 ng  
RT: 8.716 min Scan# 919  
Delta R.T. -0.009 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

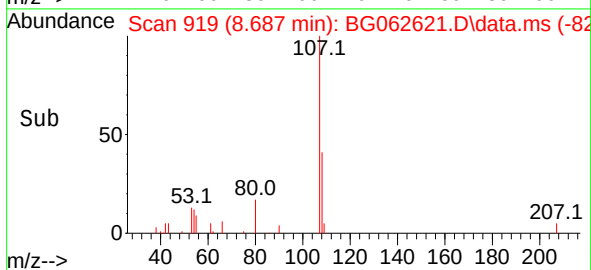
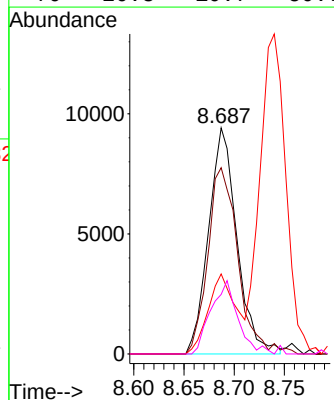
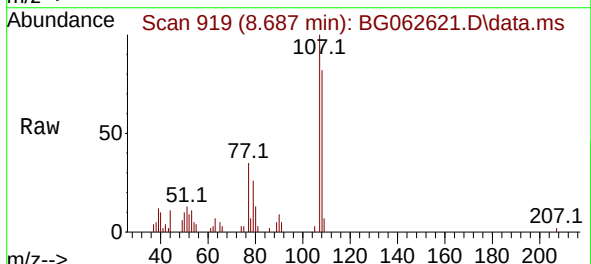
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

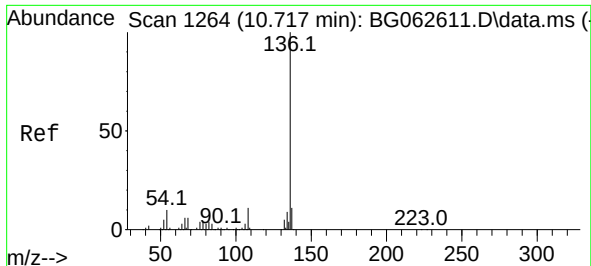
Tgt Ion: 70 Resp: 16212  
Ion Ratio Lower Upper  
70 100  
42 56.3 52.3 78.5  
101 4.7 6.6 9.8#  
130 17.6 14.6 22.0



#20  
3+4-Methylphenols  
Concen: 3.503 ng  
RT: 8.687 min Scan# 919  
Delta R.T. -0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

Tgt Ion:107 Resp: 18531  
Ion Ratio Lower Upper  
107 100  
108 82.3 72.7 112.7  
77 35.4 16.5 56.5  
79 26.3 10.7 50.7

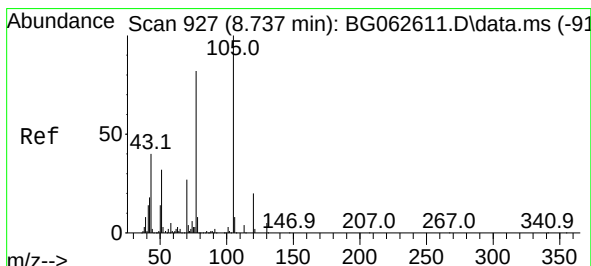
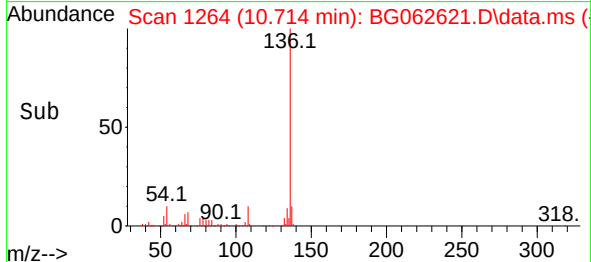
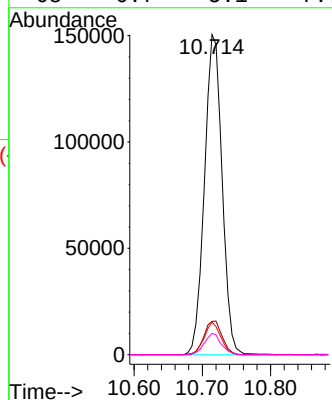
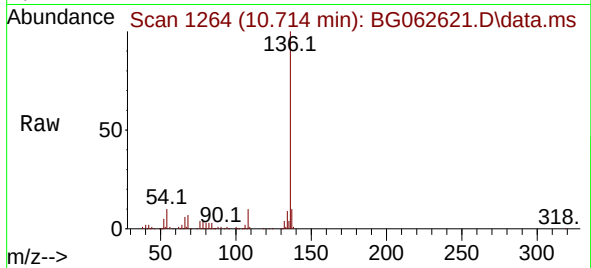




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.714 min Scan# 1264  
Delta R.T. -0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

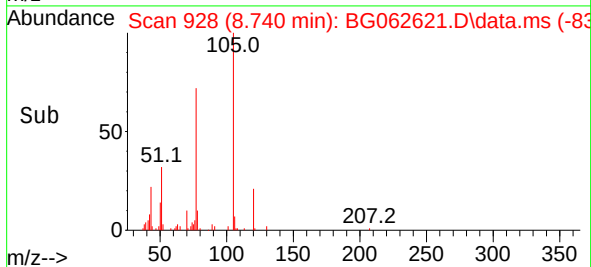
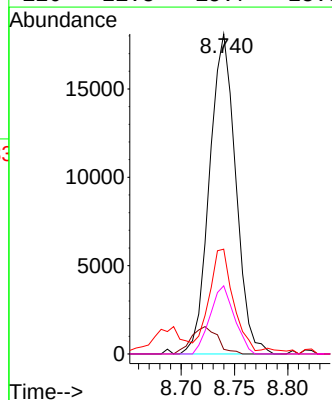
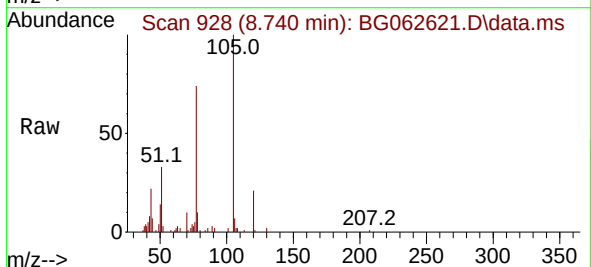
Instrument : BNA\_G  
ClientSampleId : LOQ-SOIL-02-QT3-2024

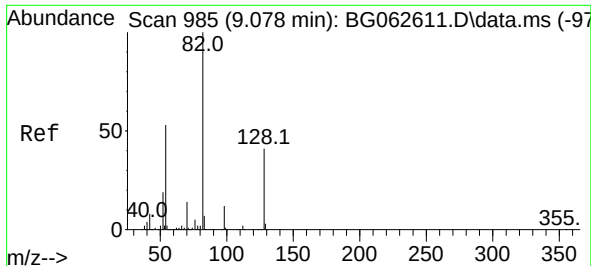
Tgt Ion:136 Resp: 269921  
Ion Ratio Lower Upper  
136 100  
137 10.4 9.0 13.4  
54 10.1 7.8 11.6  
68 6.7 5.1 7.7



#22  
Acetophenone  
Concen: 4.236 ng  
RT: 8.740 min Scan# 928  
Delta R.T. 0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

Tgt Ion:105 Resp: 30843  
Ion Ratio Lower Upper  
105 100  
71 1.5 3.5 5.3#  
51 32.8 25.7 38.5  
120 21.3 15.7 23.5





#23

Nitrobenzene-d5

Concen: 75.541 ng

RT: 9.075 min Scan# 90

Delta R.T. -0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

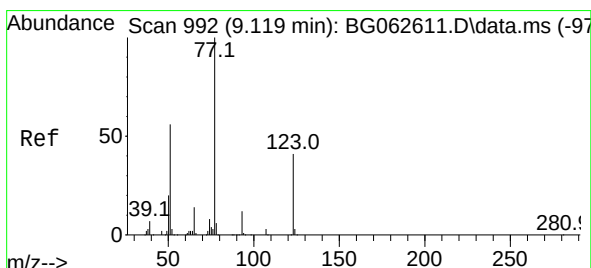
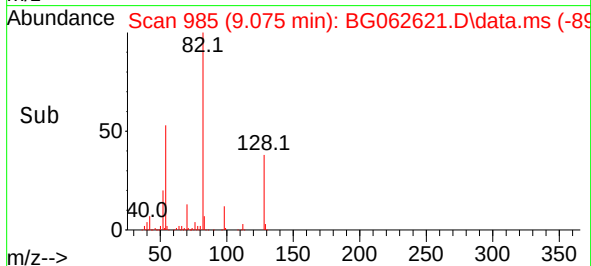
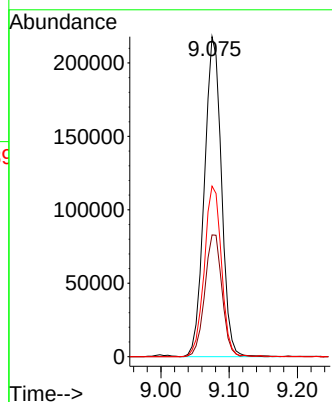
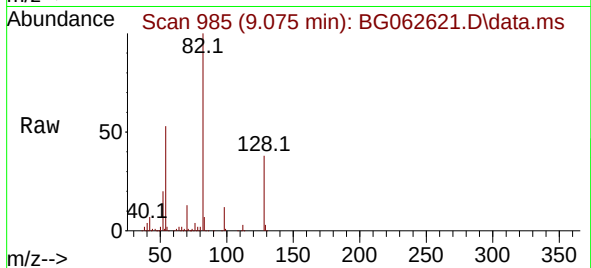
Tgt Ion: 82 Resp: 378602

Ion Ratio Lower Upper

82 100

128 38.1 32.5 48.7

54 53.3 42.5 63.7



#24

Nitrobenzene

Concen: 4.426 ng

RT: 9.116 min Scan# 992

Delta R.T. -0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

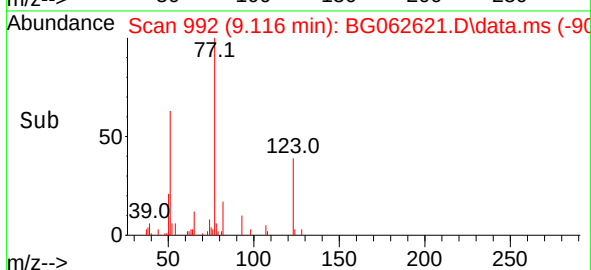
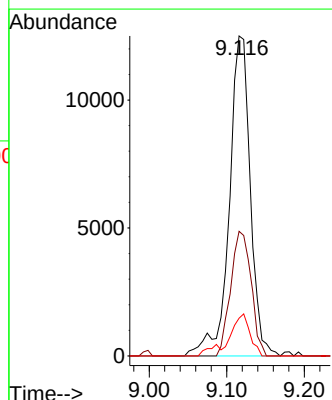
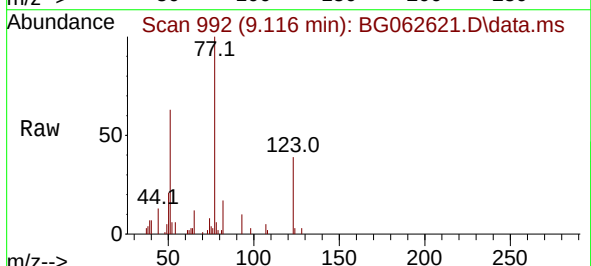
Tgt Ion: 77 Resp: 23584

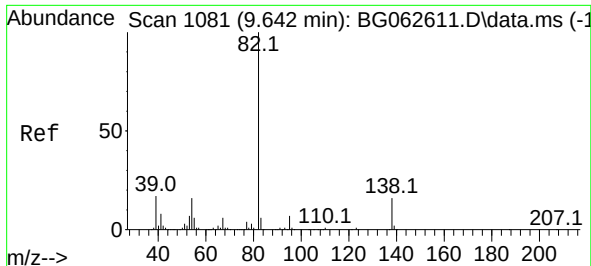
Ion Ratio Lower Upper

77 100

123 38.9 33.1 49.7

65 11.8 11.0 16.4





#25

Isophorone

Concen: 4.328 ng

RT: 9.633 min Scan# 1080

Delta R.T. -0.009 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

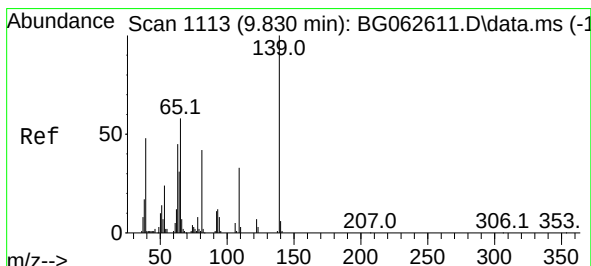
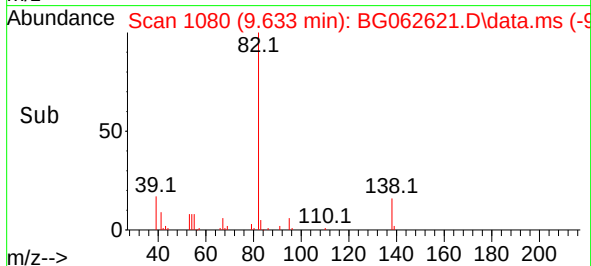
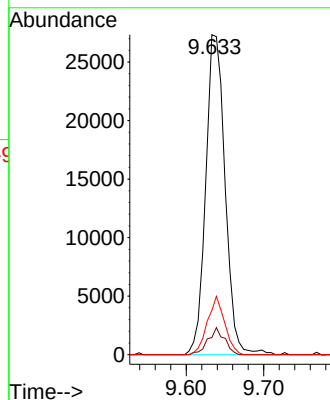
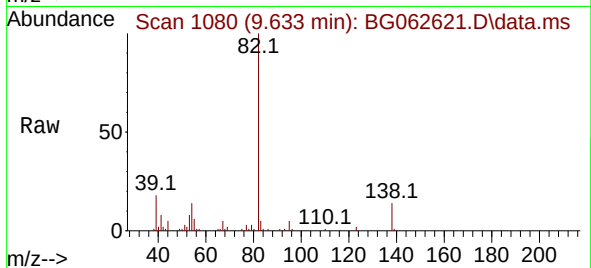
Tgt Ion: 82 Resp: 47617

Ion Ratio Lower Upper

82 100

95 5.3 5.4 8.0#

138 13.8 12.6 18.8



#26

2-Nitrophenol

Concen: 3.800 ng

RT: 9.827 min Scan# 1113

Delta R.T. -0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

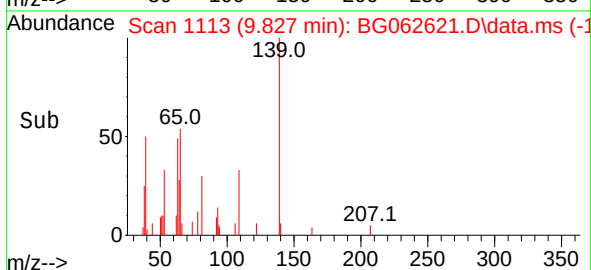
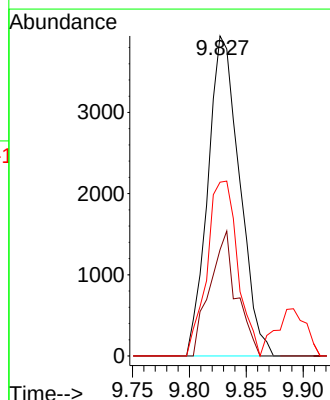
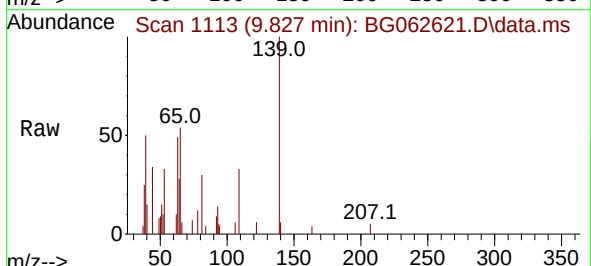
Tgt Ion:139 Resp: 7652

Ion Ratio Lower Upper

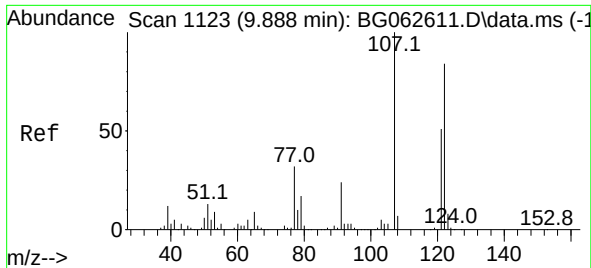
139 100

109 33.2 26.6 39.8

65 54.3 46.5 69.7



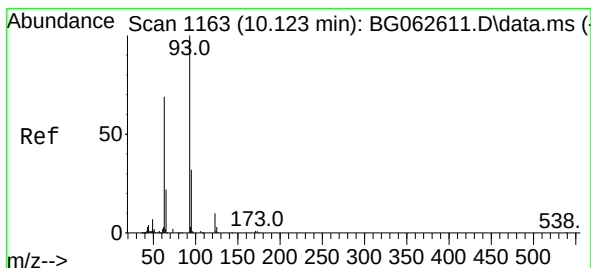
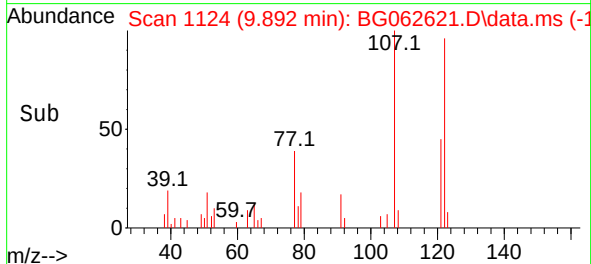
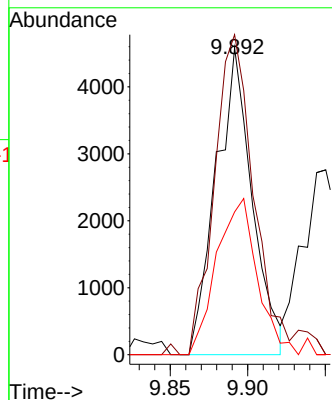
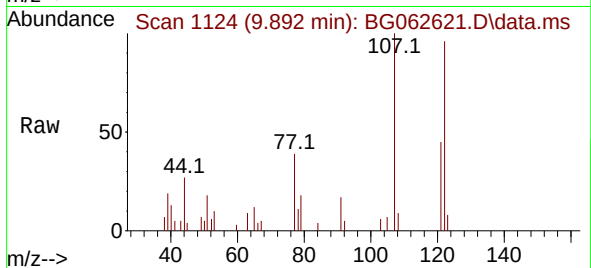




#27  
2,4-Dimethylphenol  
Concen: 2.515 ng  
RT: 9.892 min Scan# 1123  
Delta R.T. 0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

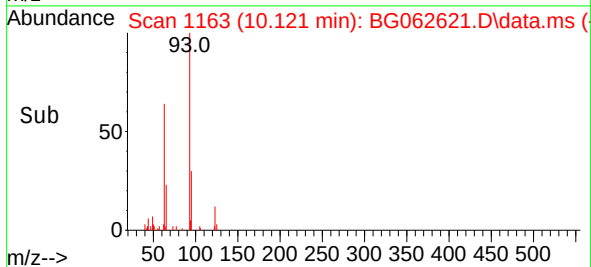
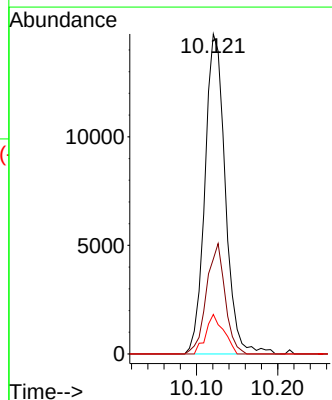
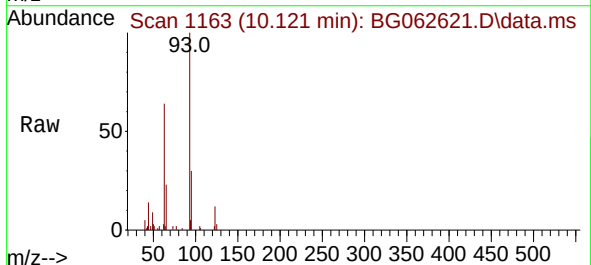
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

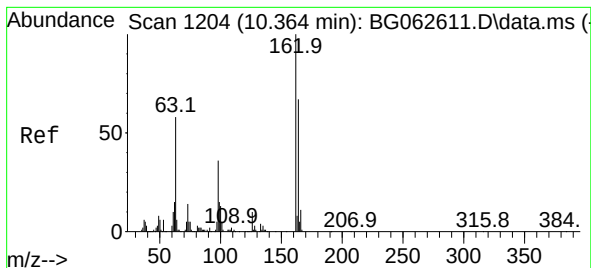
Tgt Ion:122 Resp: 7419  
Ion Ratio Lower Upper  
122 100  
107 104.3 95.8 143.6  
121 46.5 48.6 72.8#



#28  
bis(2-Chloroethoxy)methane  
Concen: 4.344 ng  
RT: 10.121 min Scan# 1163  
Delta R.T. -0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

Tgt Ion: 93 Resp: 25585  
Ion Ratio Lower Upper  
93 100  
95 29.7 25.4 38.0  
123 12.4 7.9 11.9#





#29

2,4-Dichlorophenol

Concen: 4.128 ng

RT: 10.362 min Scan# 1204

Delta R.T. -0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

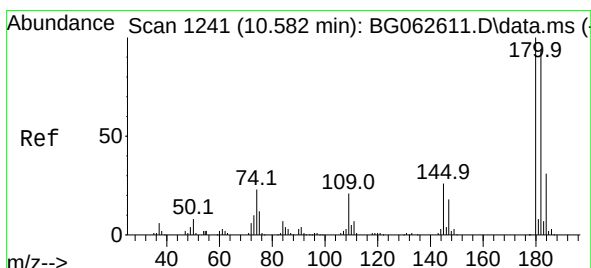
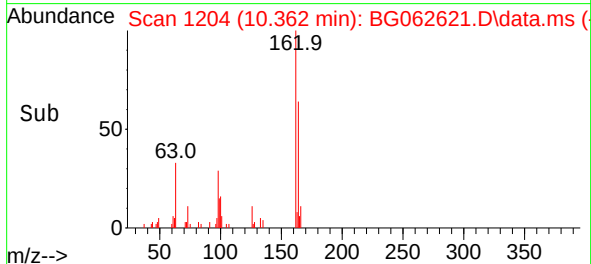
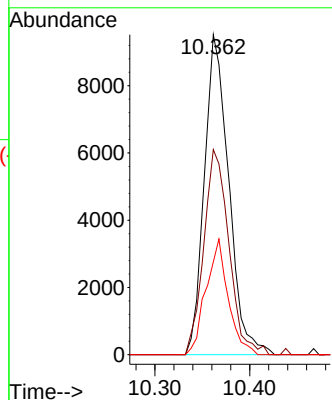
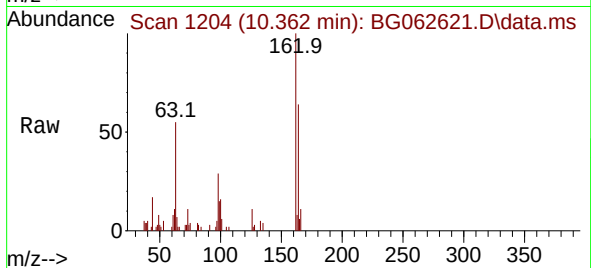
Tgt Ion:162 Resp: 17027

Ion Ratio Lower Upper

162 100

164 64.1 46.8 86.8

98 29.0 16.4 56.4



#30

1,2,4-Trichlorobenzene

Concen: 4.188 ng

RT: 10.579 min Scan# 1241

Delta R.T. -0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

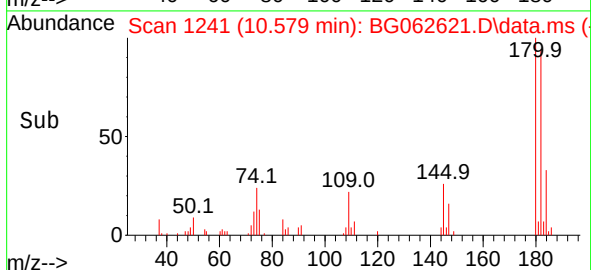
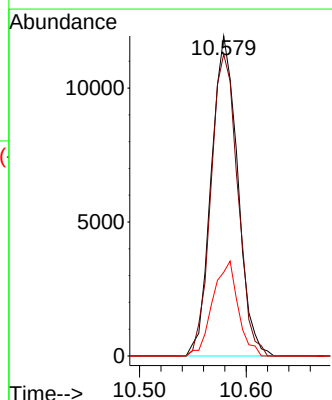
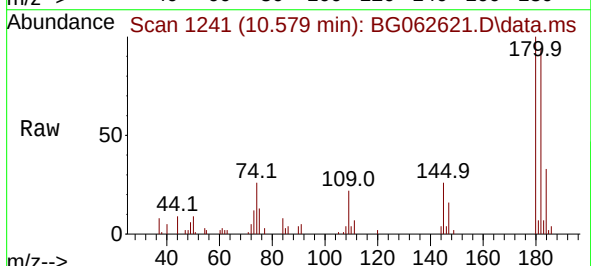
Tgt Ion:180 Resp: 20480

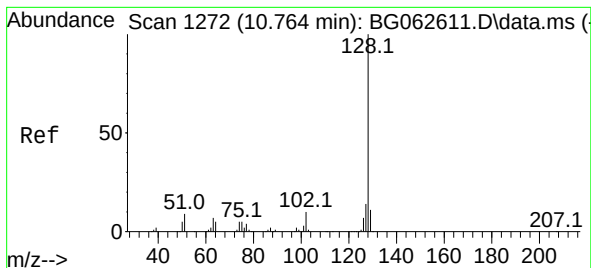
Ion Ratio Lower Upper

180 100

182 94.3 75.1 112.7

145 26.2 20.8 31.2





#31

Naphthalene

Concen: 4.321 ng

RT: 10.767 min Scan# 11

Delta R.T. 0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

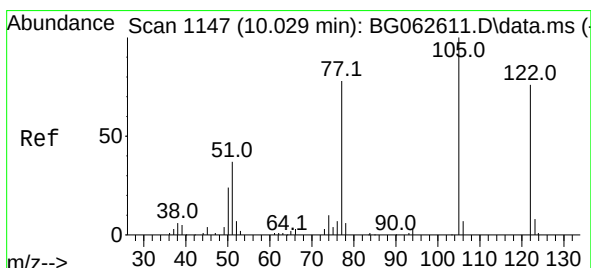
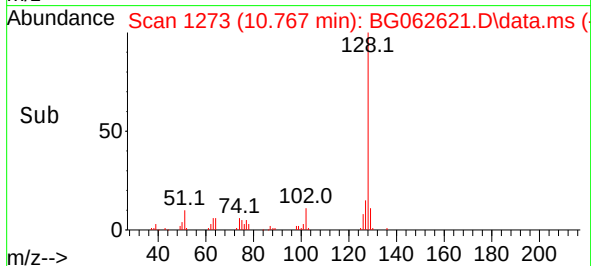
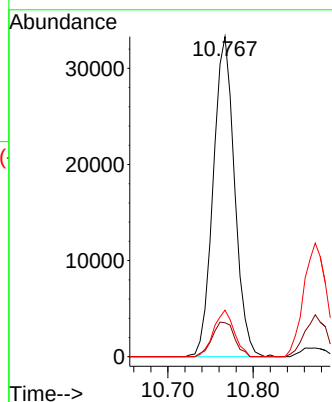
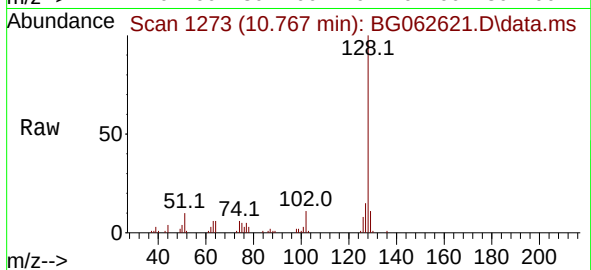
Tgt Ion:128 Resp: 57803

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

127 14.5 11.3 16.9



#32

Benzoic acid

Concen: 0.097 ng

RT: 10.027 min Scan# 1147

Delta R.T. -0.002 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

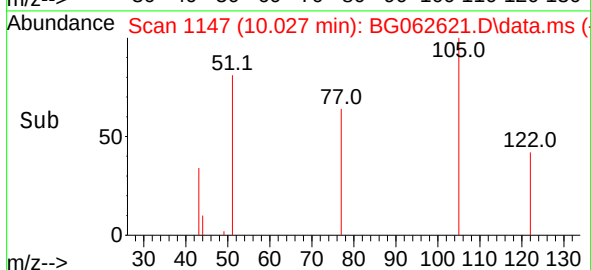
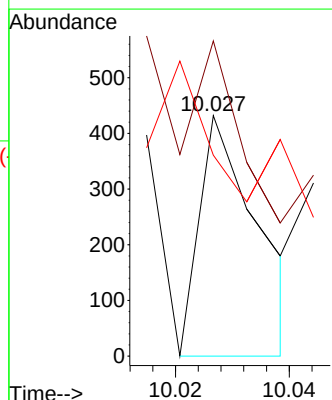
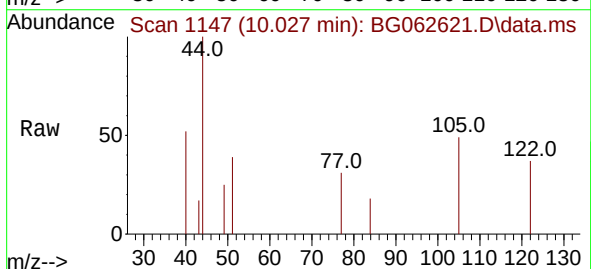
Tgt Ion:122 Resp: 309

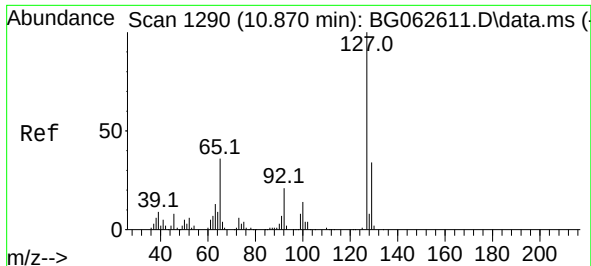
Ion Ratio Lower Upper

122 100

105 131.0 105.7 145.7

77 83.6 79.9 119.9





#33

4-Chloroaniline

Concen: 4.429 ng

RT: 10.873 min Scan# 1291

Delta R.T. 0.003 min

Lab File: BG062621.D

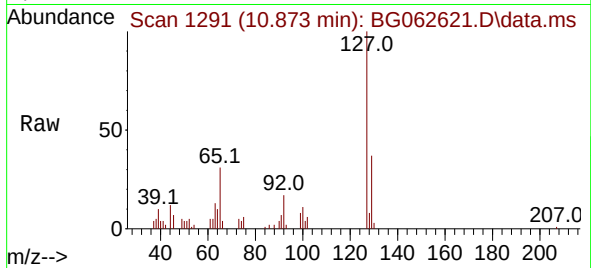
Acq: 3 Sep 2024 11:49

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024



Tgt Ion:127 Resp: 23319

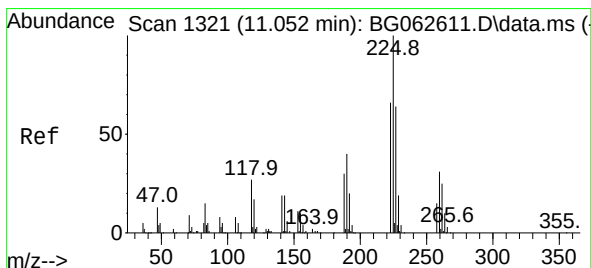
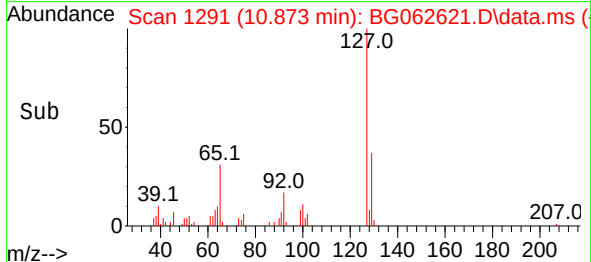
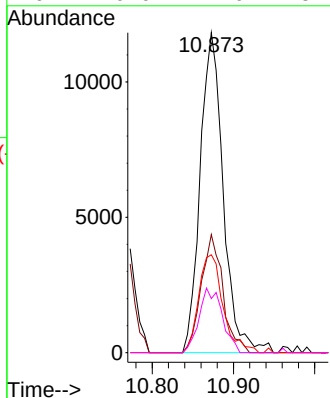
Ion Ratio Lower Upper

127 100

129 36.9 27.3 40.9

65 30.6 29.0 43.4

92 16.9 17.0 25.4#



#34

Hexachlorobutadiene

Concen: 4.334 ng

RT: 11.055 min Scan# 1322

Delta R.T. 0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

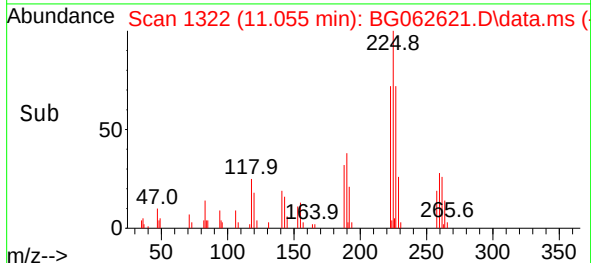
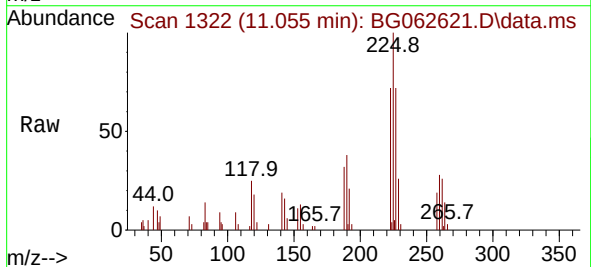
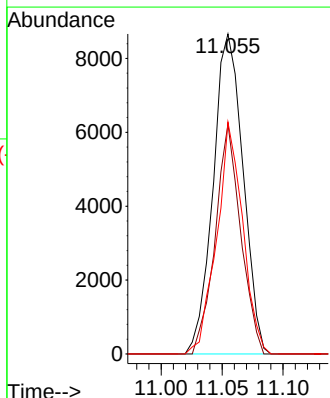
Tgt Ion:225 Resp: 14801

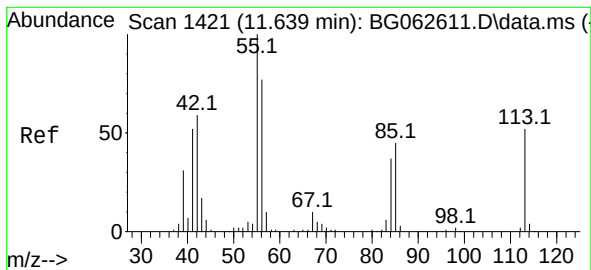
Ion Ratio Lower Upper

225 100

223 75.9 50.1 75.1#

227 72.4 48.9 73.3





#35

Caprolactam

Concen: 4.347 ng

RT: 11.607 min Scan# 1416

Delta R.T. -0.032 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

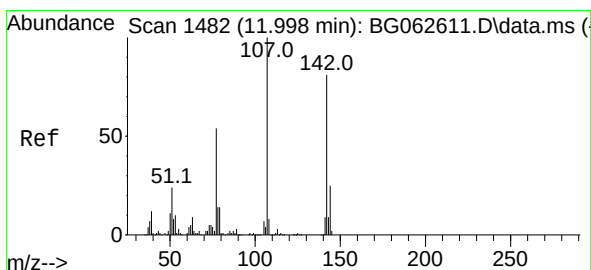
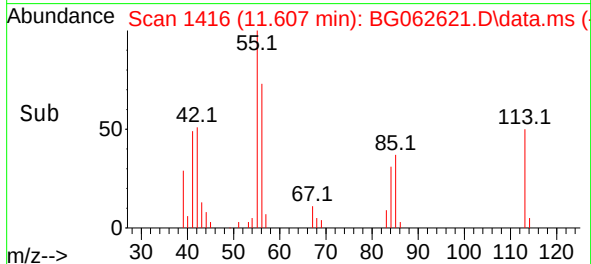
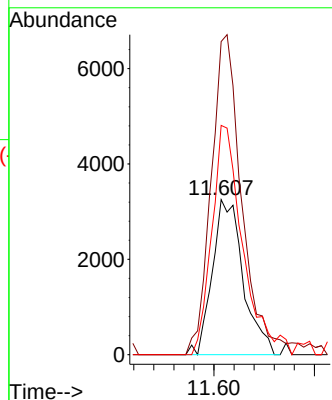
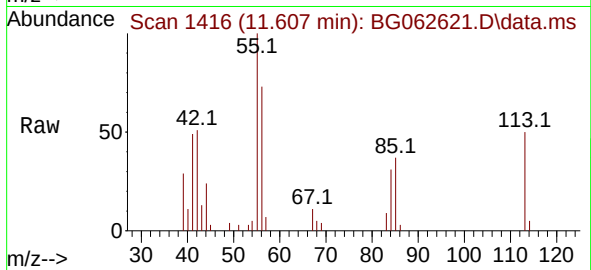
Tgt Ion:113 Resp: 6913

Ion Ratio Lower Upper

113 100

55 202.0 174.1 214.1

56 147.9 129.8 169.8



#36

4-Chloro-3-methylphenol

Concen: 4.030 ng

RT: 11.995 min Scan# 1482

Delta R.T. -0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

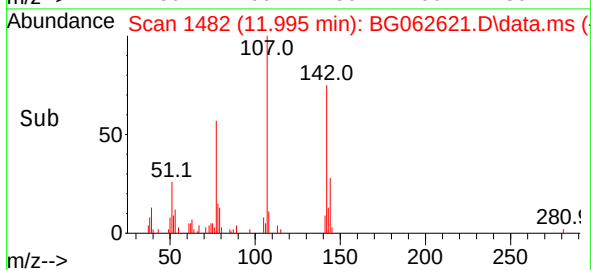
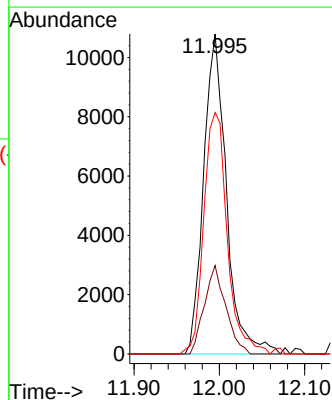
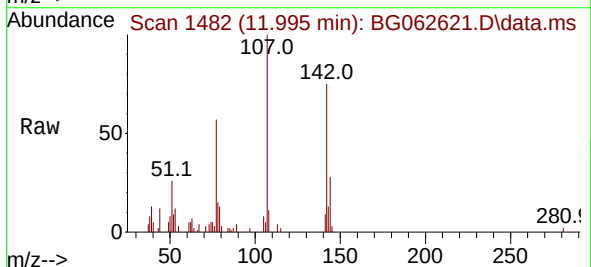
Tgt Ion:107 Resp: 20051

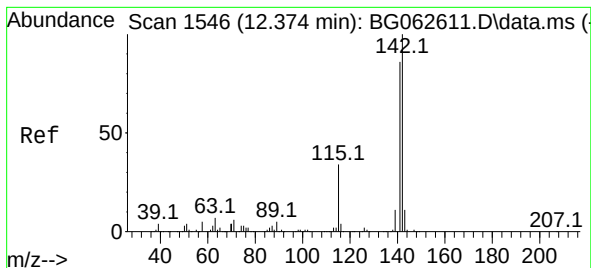
Ion Ratio Lower Upper

107 100

144 27.7 19.8 29.8

142 75.5 64.7 97.1

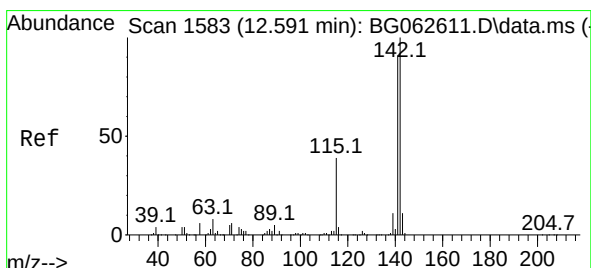
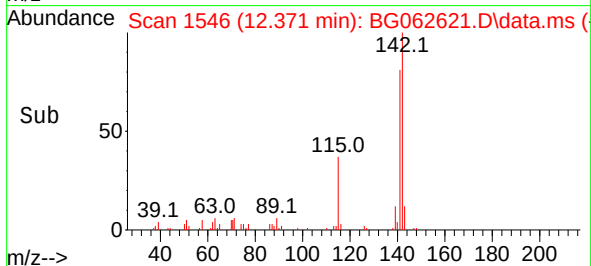
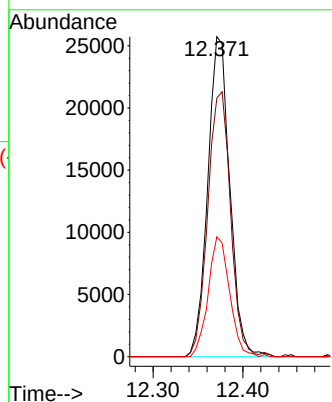
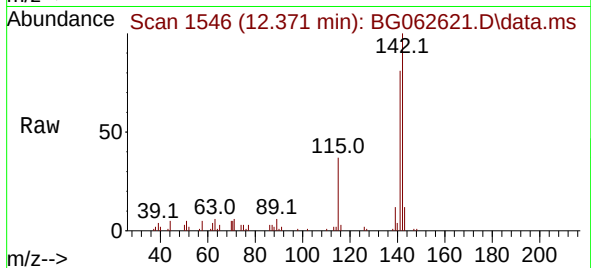




#37  
2-Methylnaphthalene  
Concen: 4.230 ng  
RT: 12.371 min Scan# 1546  
Delta R.T. -0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

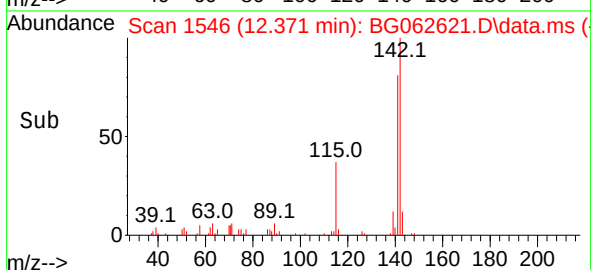
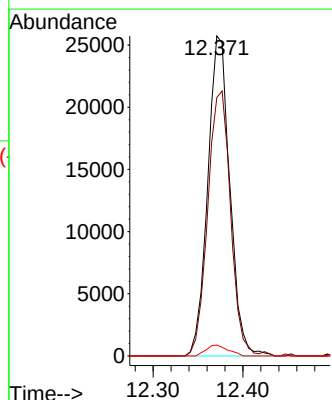
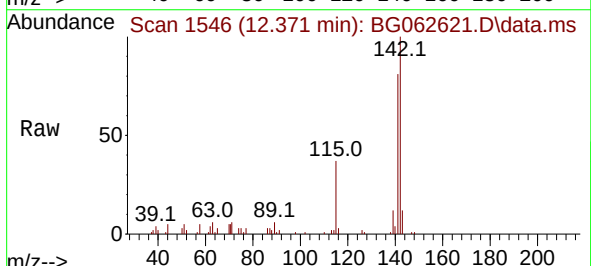
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

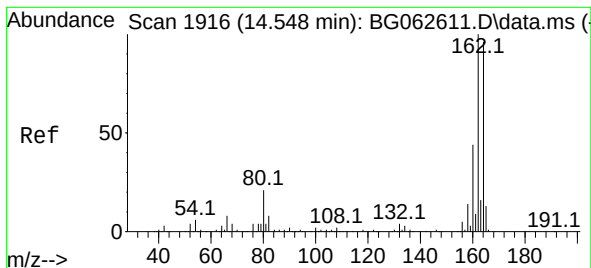
Tgt Ion:142 Resp: 43896  
Ion Ratio Lower Upper  
142 100  
141 80.8 68.9 103.3  
115 37.5 27.5 41.3



#38  
1-Methylnaphthalene  
Concen: 4.213 ng  
RT: 12.371 min Scan# 1546  
Delta R.T. -0.220 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

Tgt Ion:142 Resp: 43896  
Ion Ratio Lower Upper  
142 100  
141 80.8 73.0 109.4  
116 3.4 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.551 min Scan# 1

Delta R.T. 0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

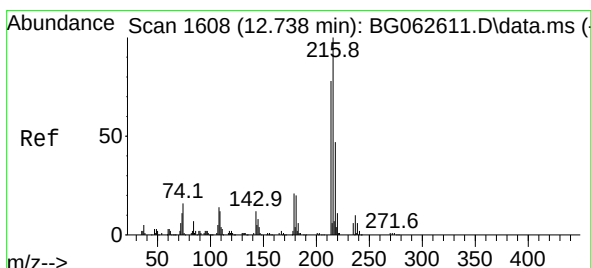
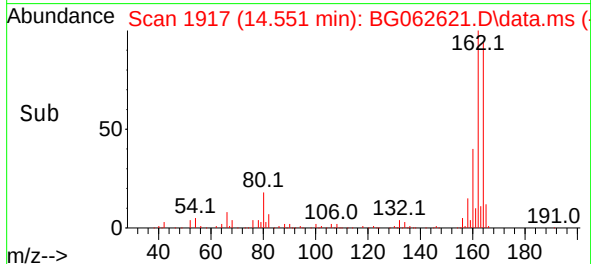
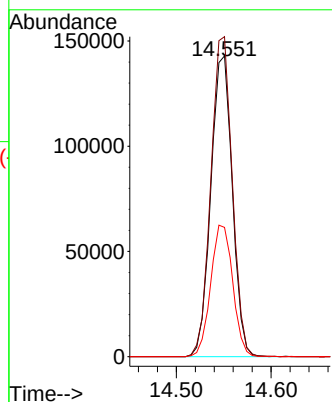
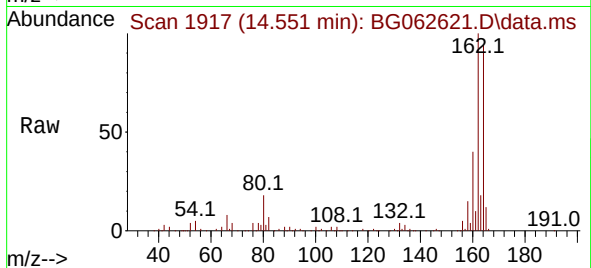
Tgt Ion:164 Resp: 224407

Ion Ratio Lower Upper

164 100

162 106.4 83.1 124.7

160 43.0 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.562 ng

RT: 12.741 min Scan# 1609

Delta R.T. 0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Tgt Ion:216 Resp: 30790

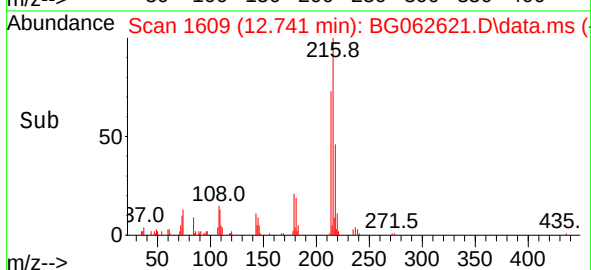
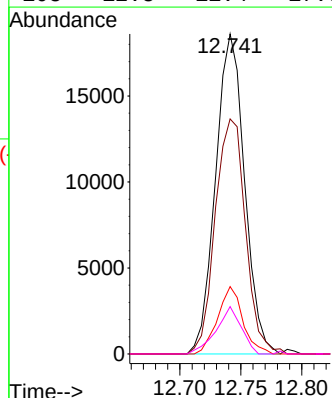
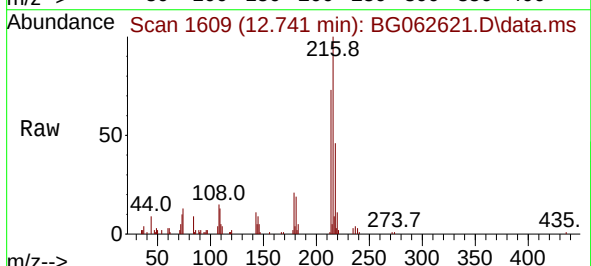
Ion Ratio Lower Upper

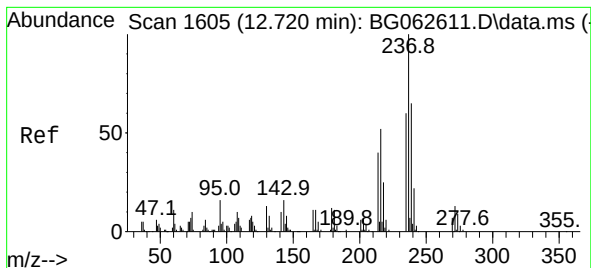
216 100

214 76.6 61.6 92.4

179 18.4 15.9 23.9

108 12.8 11.4 17.0

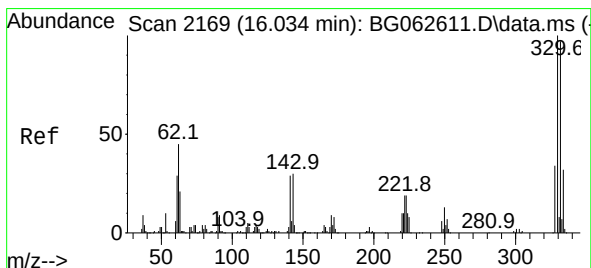
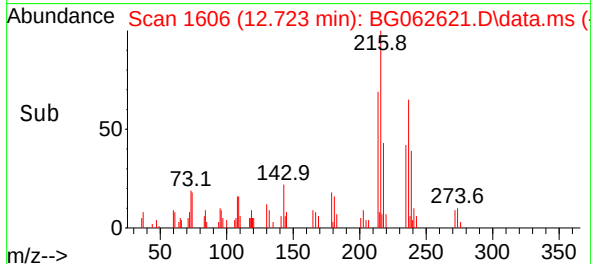
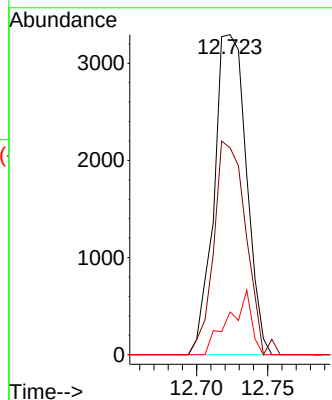
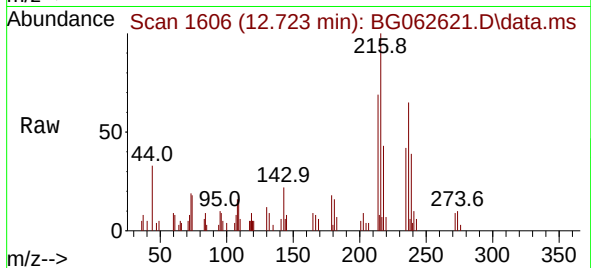




#41  
Hexachlorocyclopentadiene  
Concen: 2.707 ng  
RT: 12.723 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

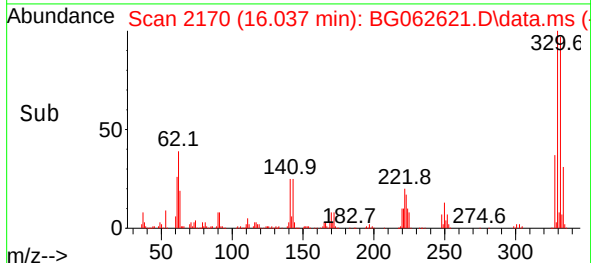
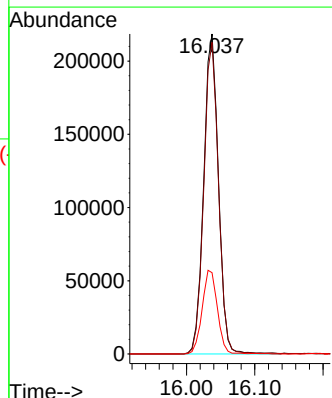
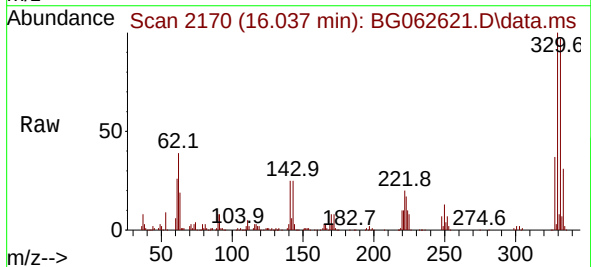
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 237     | 100   |       |       |
| 235     | 64.7  | 40.4  | 80.4  |
| 272     | 13.3  | 0.0   | 32.7  |

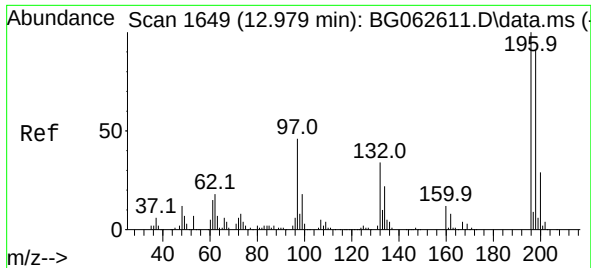


#42  
2,4,6-Tribromophenol  
Concen: 103.972 ng  
RT: 16.037 min Scan# 2170  
Delta R.T. 0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.0  | 77.2  | 115.8 |
| 141     | 26.8  | 22.2  | 33.4  |







#43

2,4,6-Trichlorophenol

Concen: 4.198 ng

RT: 12.982 min Scan# 1

Delta R.T. 0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

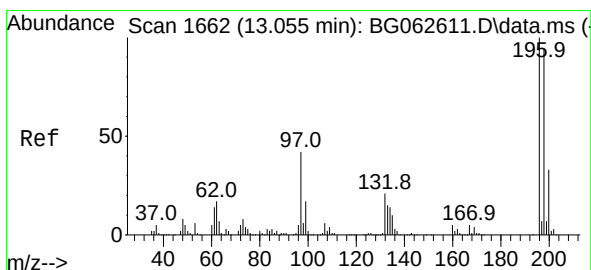
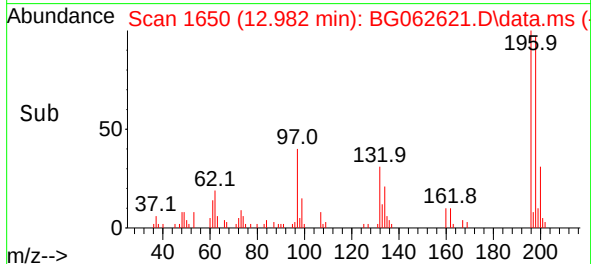
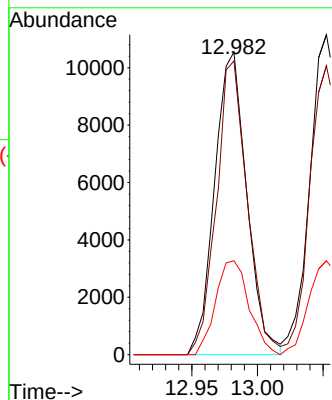
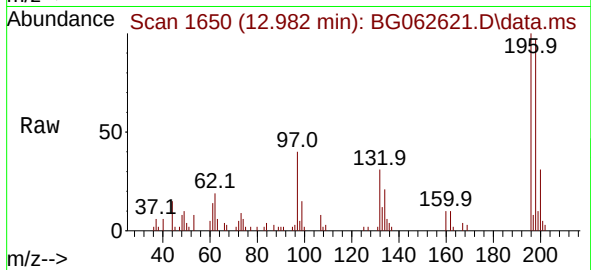
Tgt Ion:196 Resp: 17960

Ion Ratio Lower Upper

196 100

198 97.0 72.8 109.2

200 31.0 23.5 35.3



#44

2,4,5-Trichlorophenol

Concen: 4.135 ng

RT: 13.053 min Scan# 1662

Delta R.T. -0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Tgt Ion:196 Resp: 20033

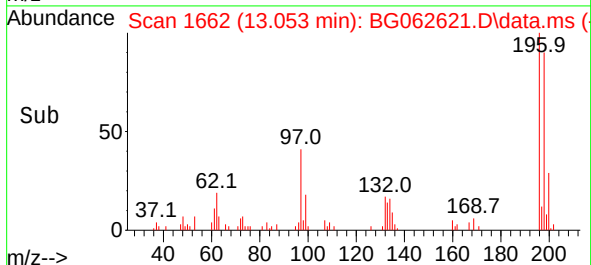
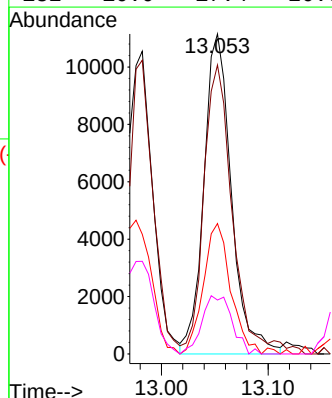
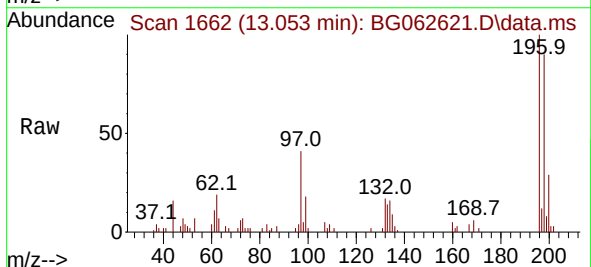
Ion Ratio Lower Upper

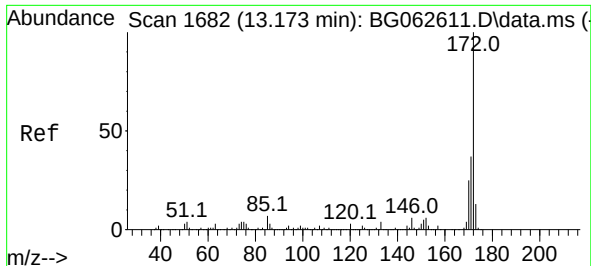
196 100

198 90.3 75.5 113.3

97 40.7 34.1 51.1

132 16.9 17.4 26.0#

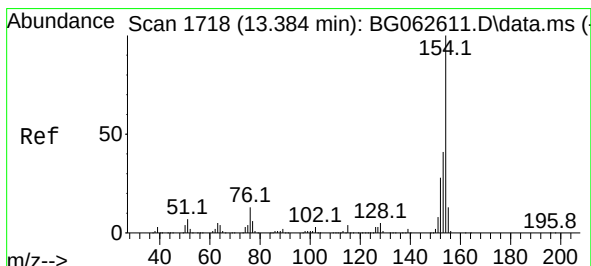
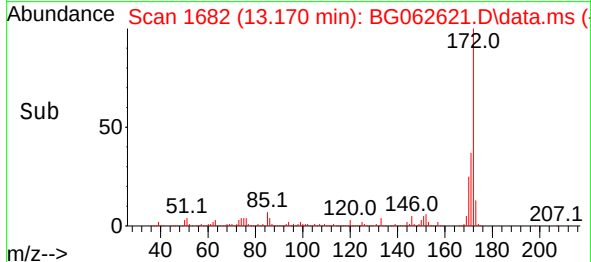
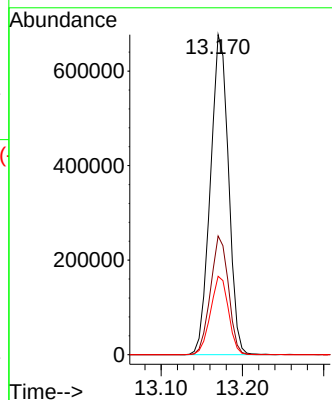
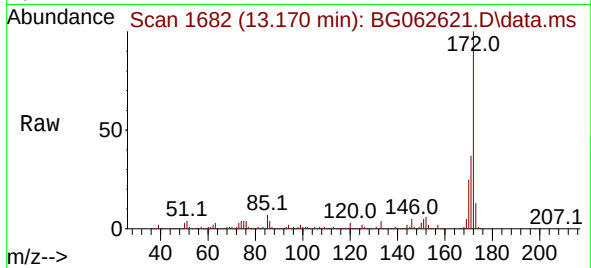




#45  
2-Fluorobiphenyl  
Concen: 75.510 ng  
RT: 13.170 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

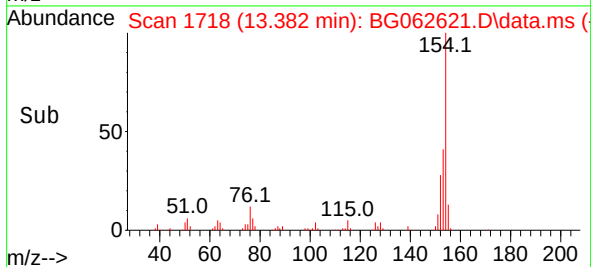
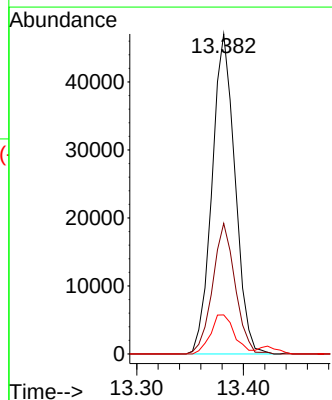
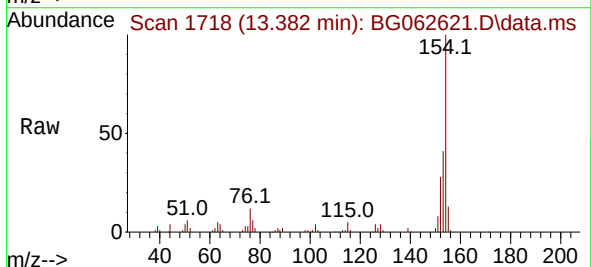
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

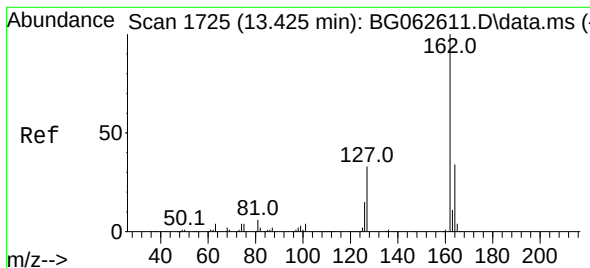
Tgt Ion:172 Resp: 1046122  
Ion Ratio Lower Upper  
172 100  
171 37.1 29.7 44.5  
170 24.5 20.0 30.0



#46  
1,1'-Biphenyl  
Concen: 4.693 ng  
RT: 13.382 min Scan# 1718  
Delta R.T. -0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

Tgt Ion:154 Resp: 70265  
Ion Ratio Lower Upper  
154 100  
153 40.8 20.8 60.8  
76 12.2 0.0 33.4





#47

2-Chloronaphthalene

Concen: 4.303 ng

RT: 13.423 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

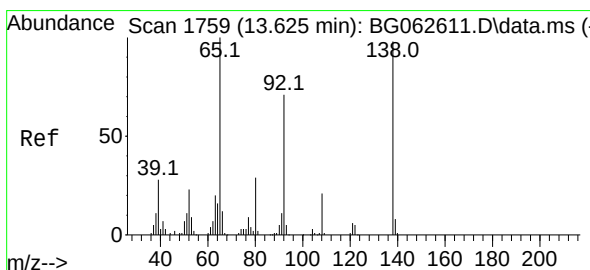
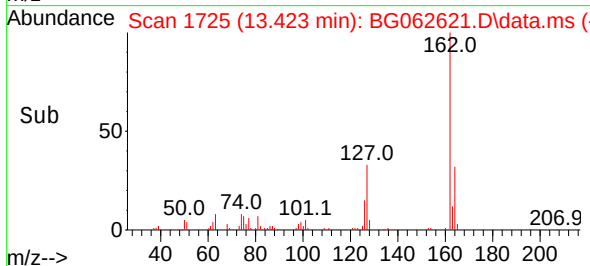
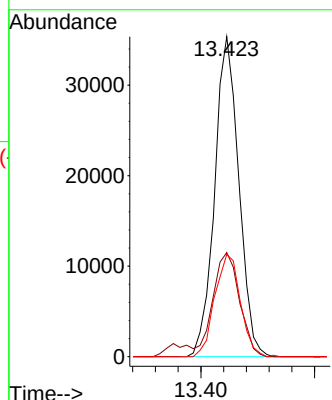
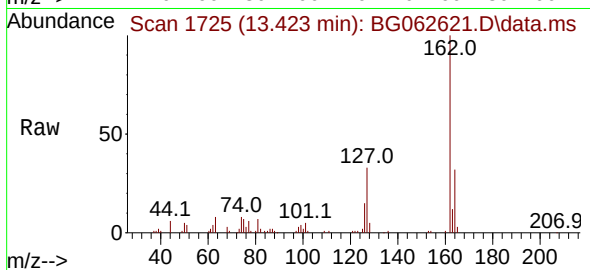
Tgt Ion:162 Resp: 52210

Ion Ratio Lower Upper

162 100

127 32.6 28.7 43.1

164 31.9 26.9 40.3



#48

2-Nitroaniline

Concen: 3.915 ng

RT: 13.622 min Scan# 1759

Delta R.T. -0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

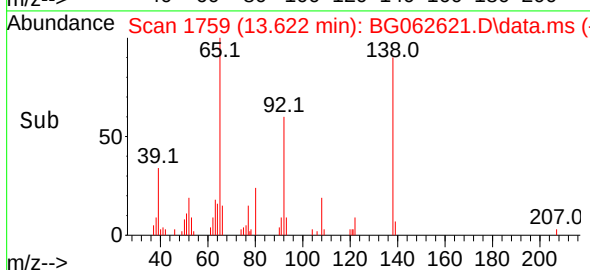
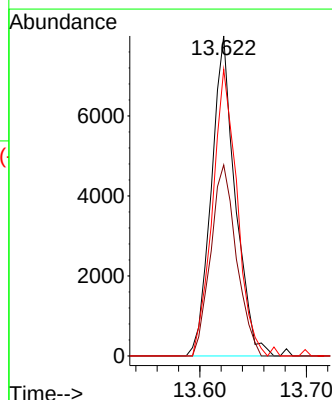
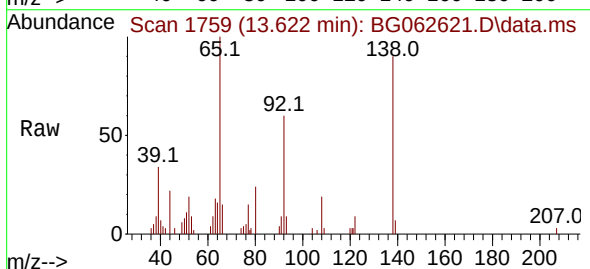
Tgt Ion: 65 Resp: 12493

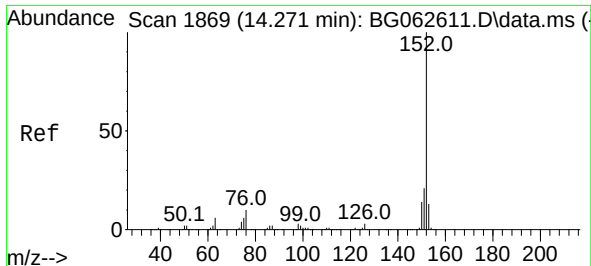
Ion Ratio Lower Upper

65 100

92 59.7 56.6 84.8

138 89.6 78.7 118.1

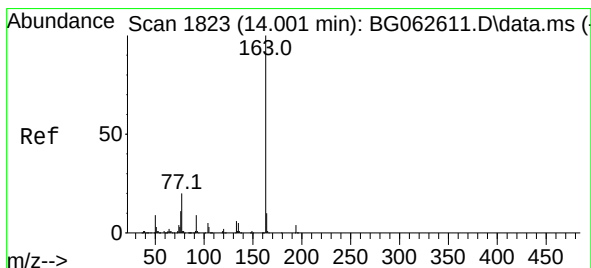
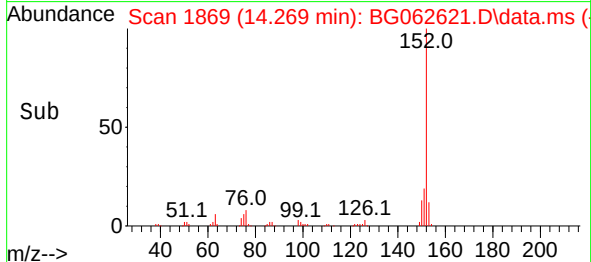
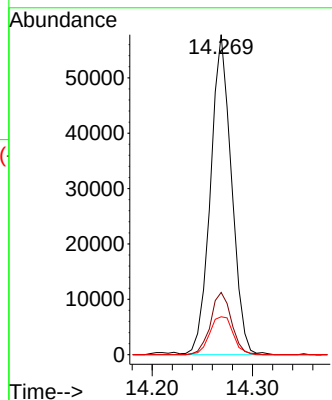
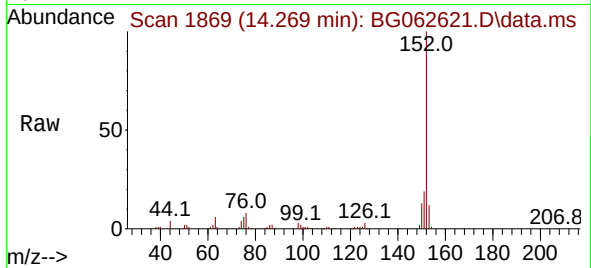




#49  
Acenaphthylene  
Concen: 4.666 ng  
RT: 14.269 min Scan# 1869  
Delta R.T. -0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

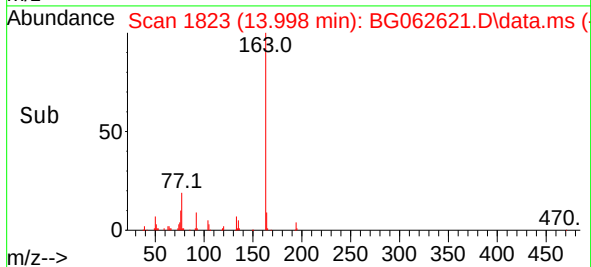
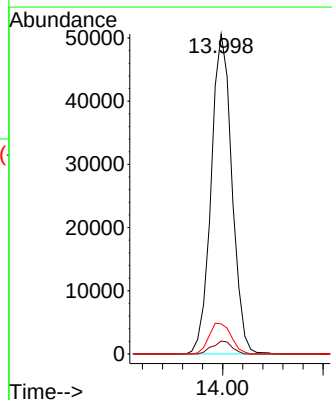
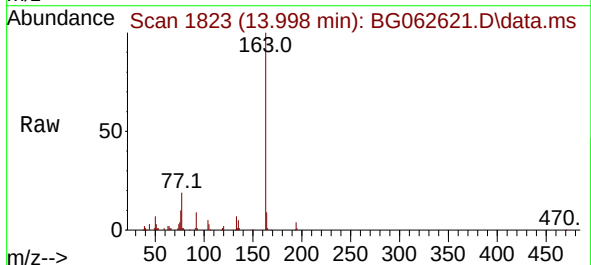
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

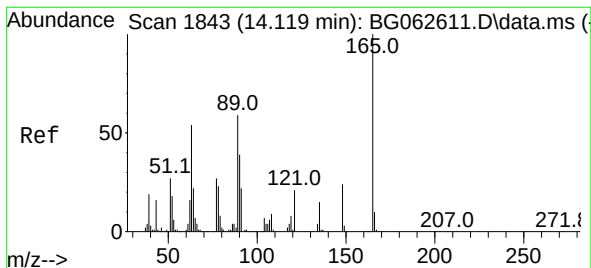
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 83834     |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 151         | 19.5  | 16.6 24.8 |
| 153         | 11.8  | 10.2 15.4 |



#50  
Dimethylphthalate  
Concen: 4.437 ng  
RT: 13.998 min Scan# 1823  
Delta R.T. -0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:163 | Resp: | 72814    |
| Ion Ratio   | Lower | Upper    |
| 163         | 100   |          |
| 194         | 4.0   | 2.9 4.3  |
| 164         | 9.4   | 8.3 12.5 |





#51

2,6-Dinitrotoluene

Concen: 3.770 ng

RT: 14.116 min Scan# 11

Delta R.T. -0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

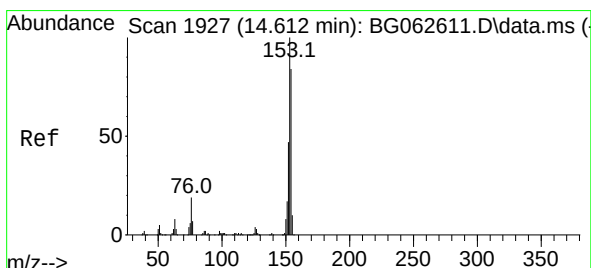
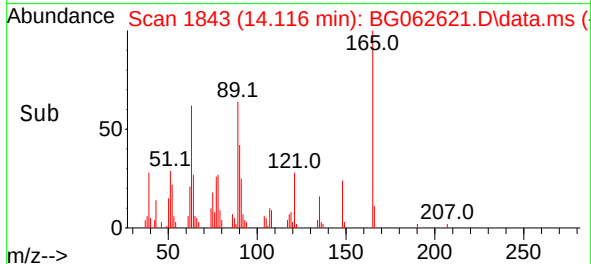
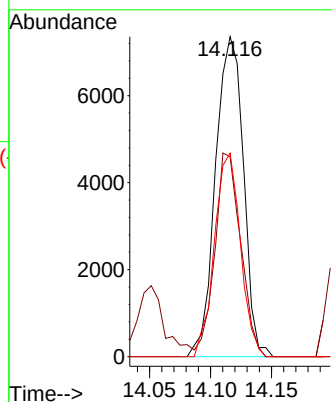
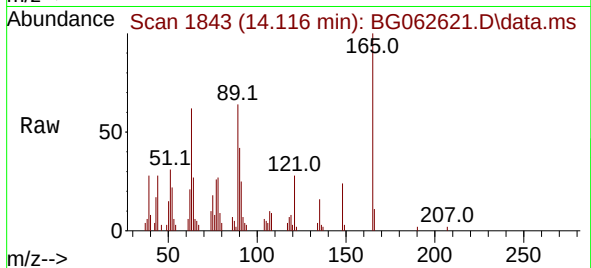
Tgt Ion:165 Resp: 11701

Ion Ratio Lower Upper

165 100

63 62.4 46.6 69.8

89 63.6 47.2 70.8



#52

Acenaphthene

Concen: 4.455 ng

RT: 14.610 min Scan# 1927

Delta R.T. -0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

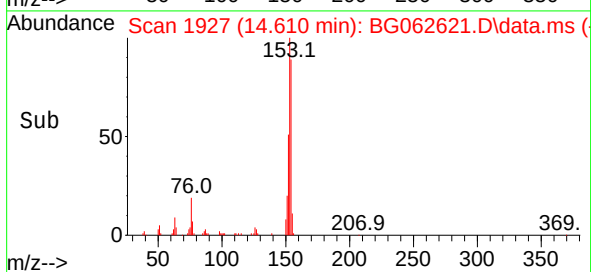
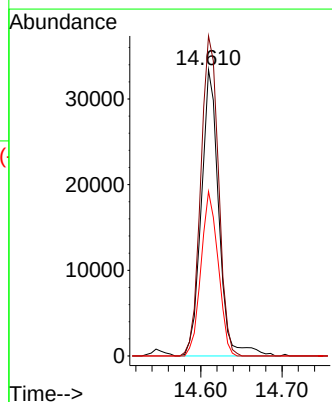
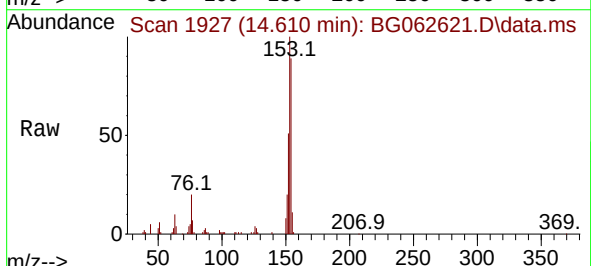
Tgt Ion:154 Resp: 50039

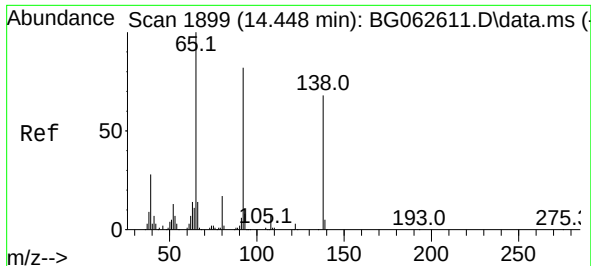
Ion Ratio Lower Upper

154 100

153 111.8 95.0 142.4

152 57.5 45.0 67.6





#53

3-Nitroaniline

Concen: 3.960 ng

RT: 14.445 min Scan# 11

Delta R.T. -0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

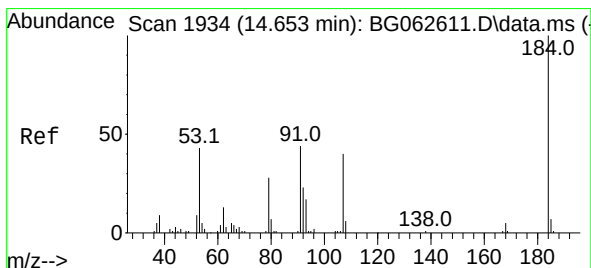
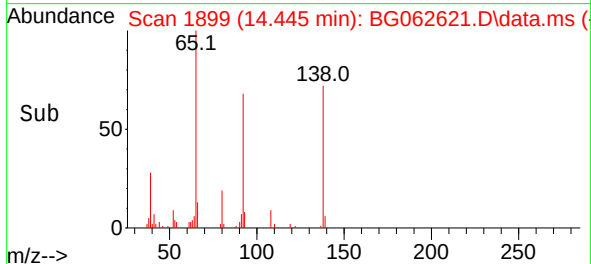
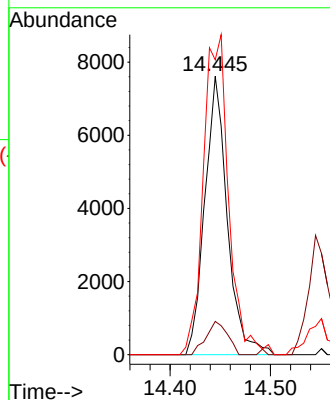
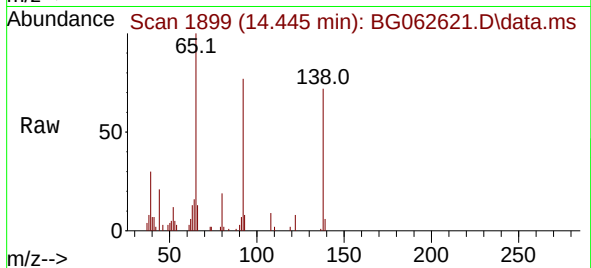
Tgt Ion:138 Resp: 11894

Ion Ratio Lower Upper

138 100

108 11.9 8.6 13.0

92 105.9 95.7 143.5



#54

2,4-Dinitrophenol

Concen: 2.108 ng

RT: 14.657 min Scan# 1935

Delta R.T. 0.004 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

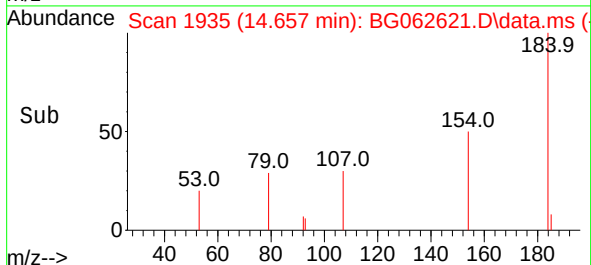
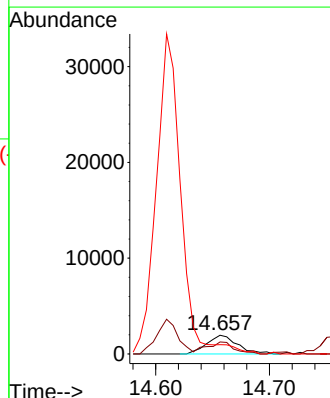
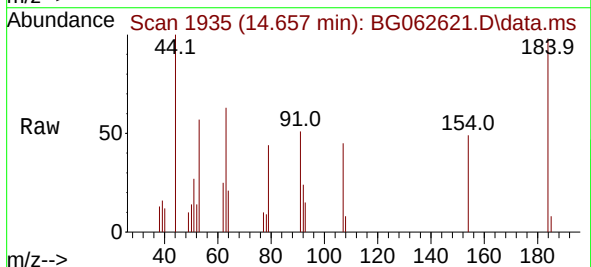
Tgt Ion:184 Resp: 3671

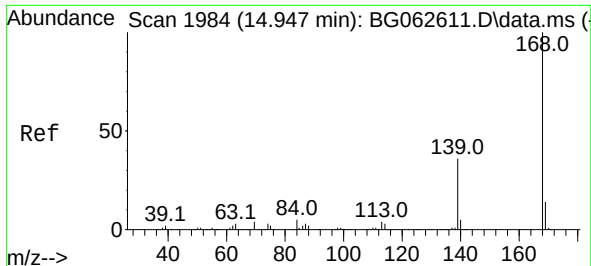
Ion Ratio Lower Upper

184 100

63 64.5 49.0 73.4

154 49.9 50.5 75.7#

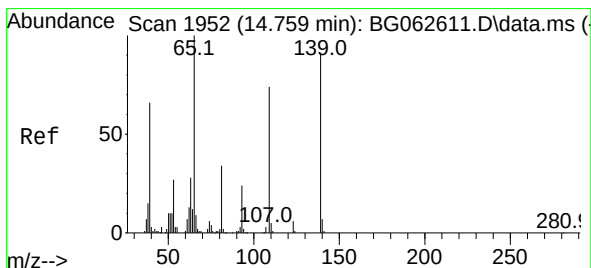
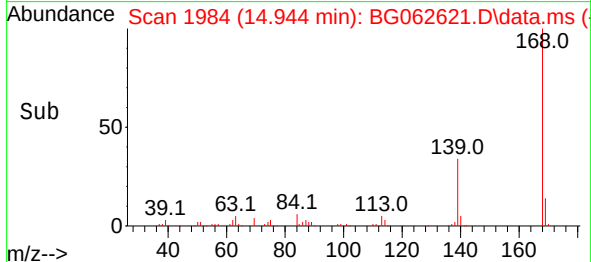
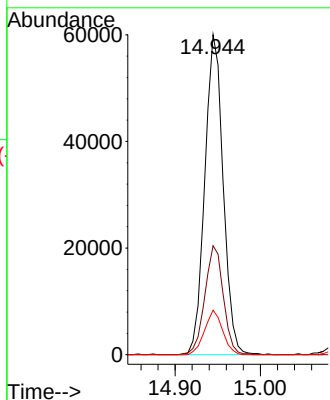
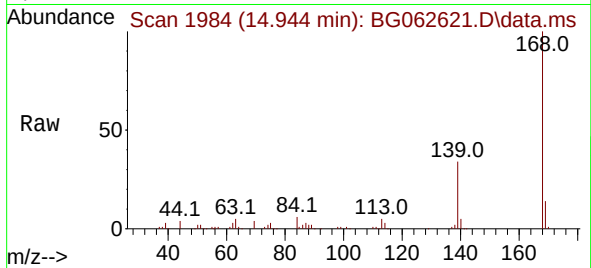




#55  
Dibenzofuran  
Concen: 4.660 ng  
RT: 14.944 min Scan# 1984  
Delta R.T. -0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

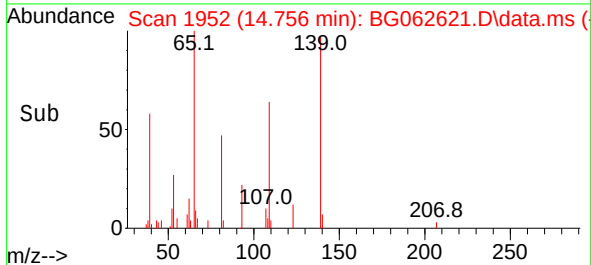
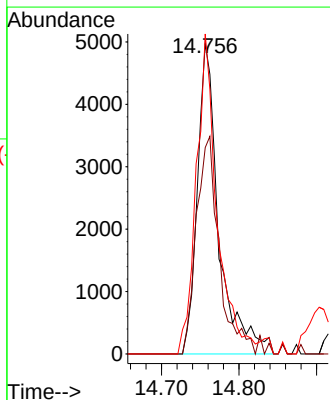
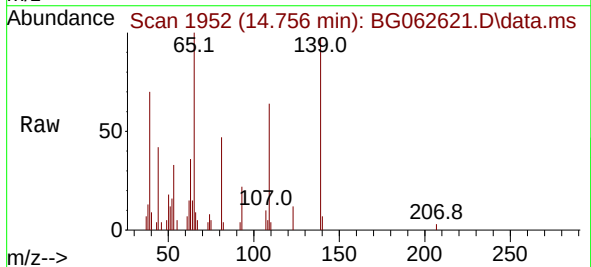
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

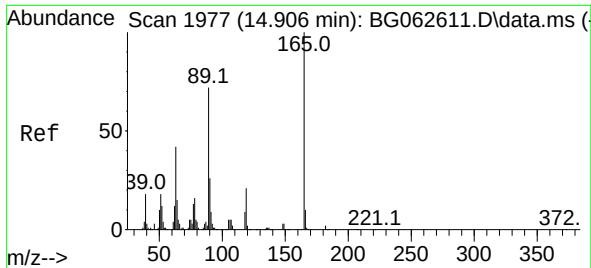
Tgt Ion:168 Resp: 89762  
Ion Ratio Lower Upper  
168 100  
139 34.0 28.6 42.8  
169 13.9 11.0 16.6



#56  
4-Nitrophenol  
Concen: 3.754 ng  
RT: 14.756 min Scan# 1952  
Delta R.T. -0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

Tgt Ion:139 Resp: 9555  
Ion Ratio Lower Upper  
139 100  
109 66.5 61.2 101.2  
65 103.1 90.2 130.2

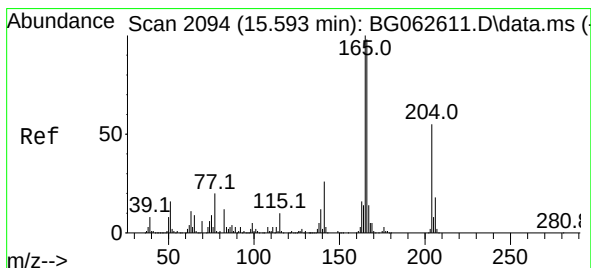
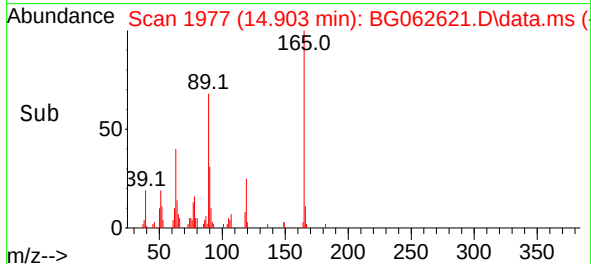
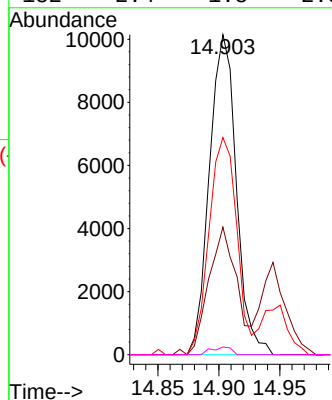
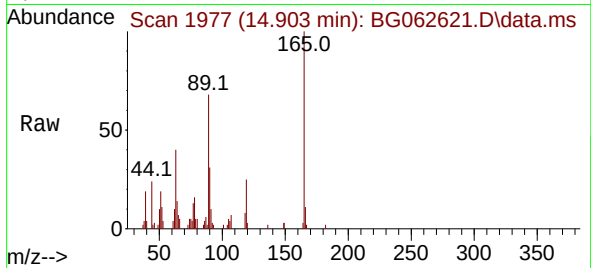




#57  
2,4-Dinitrotoluene  
Concen: 3.677 ng  
RT: 14.903 min Scan# 1977  
Delta R.T. -0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

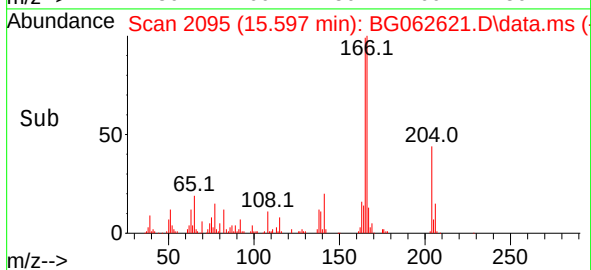
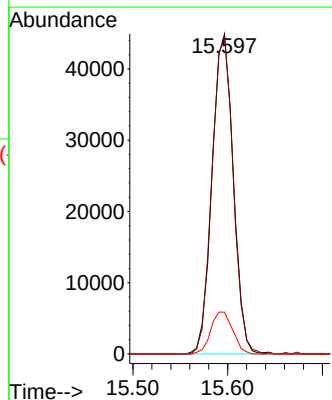
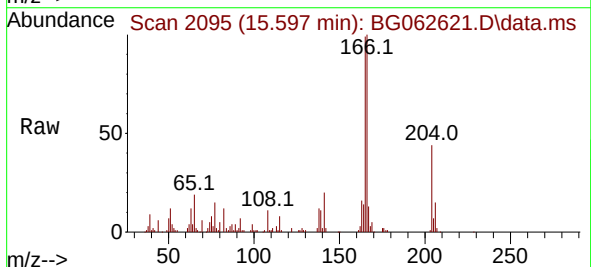
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:165 | Resp: | 15570     |
| Ion Ratio   | Lower | Upper     |
| 165         | 100   |           |
| 63          | 39.9  | 33.8 50.6 |
| 89          | 67.9  | 57.9 86.9 |
| 182         | 2.4   | 1.8 2.8   |

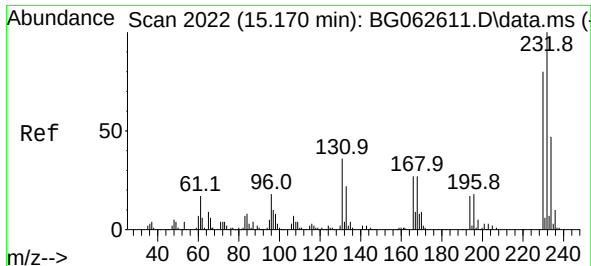


#58  
Fluorene  
Concen: 4.606 ng  
RT: 15.597 min Scan# 2095  
Delta R.T. 0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:166 | Resp: | 69638      |
| Ion Ratio   | Lower | Upper      |
| 166         | 100   |            |
| 165         | 99.2  | 82.0 123.0 |
| 167         | 13.1  | 11.3 16.9  |







#59

2,3,4,6-Tetrachlorophenol

Concen: 4.343 ng

RT: 15.174 min Scan# 2022

Delta R.T. 0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:232 Resp: 19931

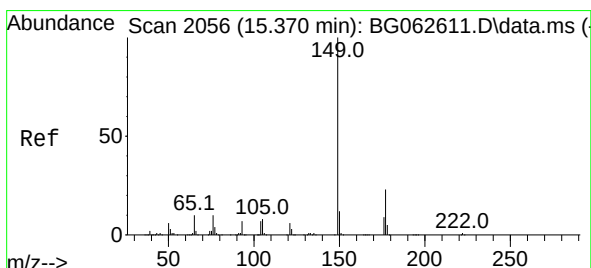
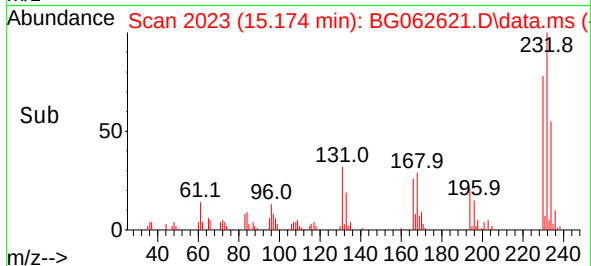
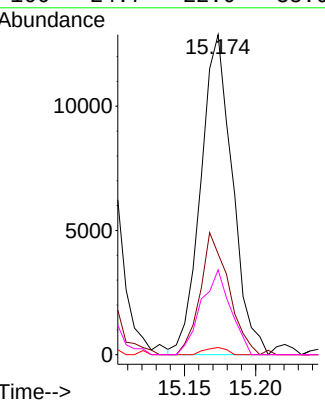
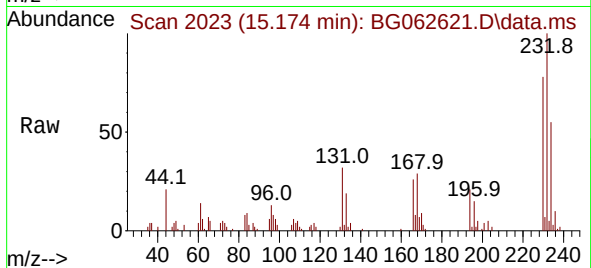
Ion Ratio Lower Upper

232 100

131 34.6 28.3 42.5

130 1.6 1.7 2.5#

166 24.7 22.0 33.0



#60

Diethylphthalate

Concen: 4.397 ng

RT: 15.362 min Scan# 2055

Delta R.T. -0.009 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

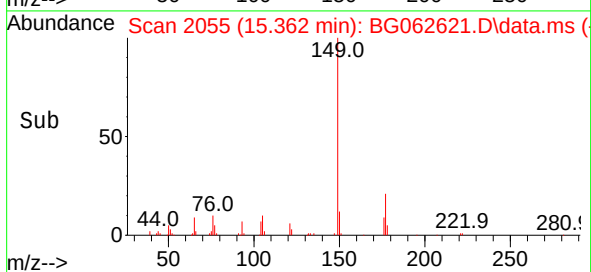
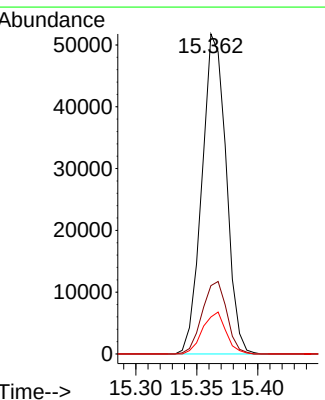
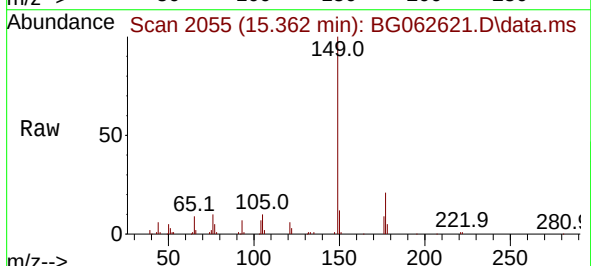
Tgt Ion:149 Resp: 71520

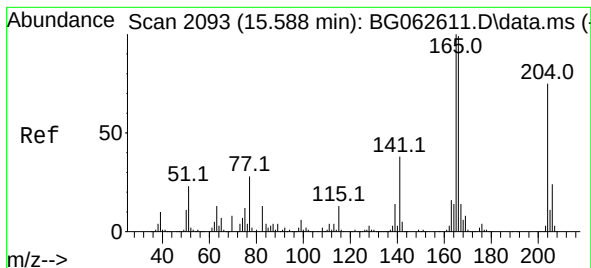
Ion Ratio Lower Upper

149 100

177 21.4 18.0 27.0

150 11.5 9.8 14.8

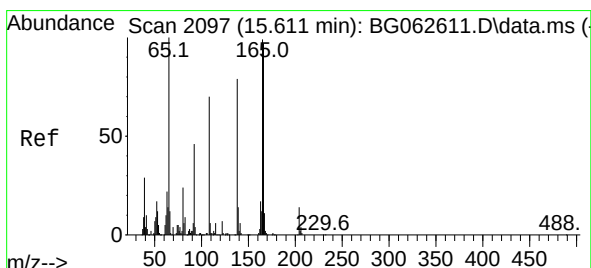
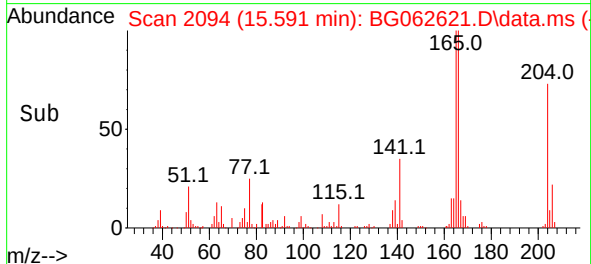
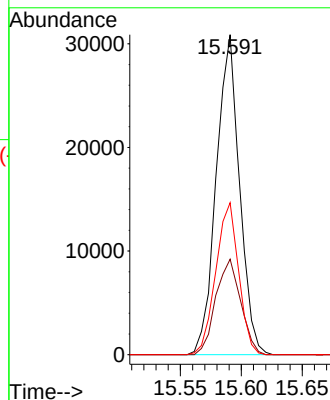
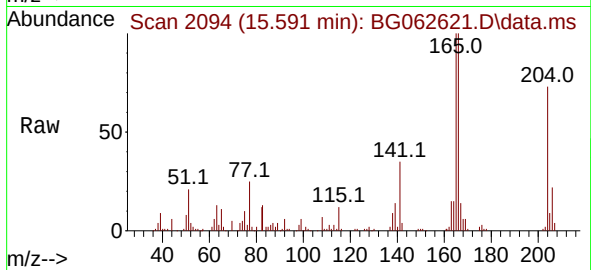




#61  
4-Chlorophenyl-phenylether  
Concen: 4.725 ng  
RT: 15.591 min Scan# 2094  
Delta R.T. 0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

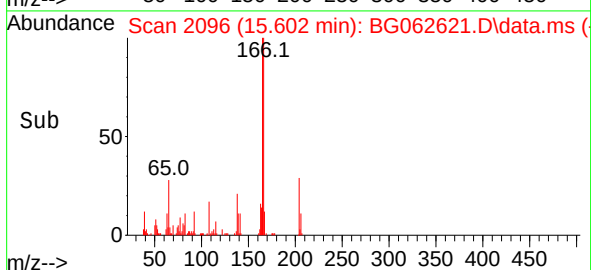
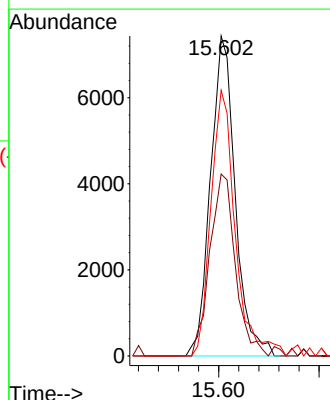
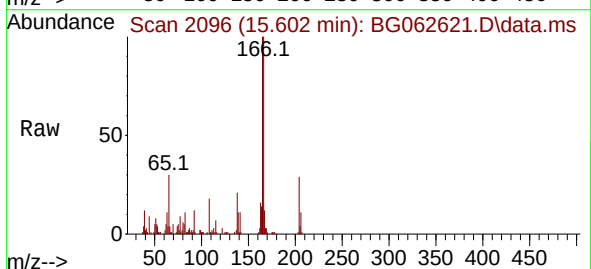
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

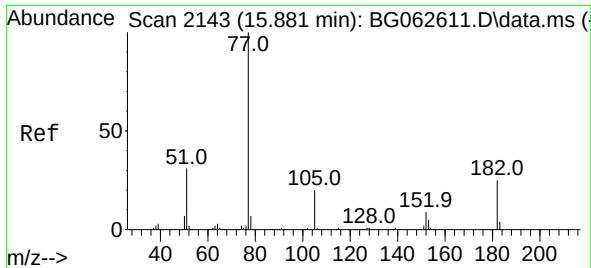
Tgt Ion:204 Resp: 41007  
Ion Ratio Lower Upper  
204 100  
206 29.9 25.9 38.9  
141 47.5 41.0 61.6



#62  
4-Nitroaniline  
Concen: 3.832 ng  
RT: 15.602 min Scan# 2096  
Delta R.T. -0.009 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

Tgt Ion:138 Resp: 12690  
Ion Ratio Lower Upper  
138 100  
92 56.9 38.4 78.4  
108 83.0 69.0 109.0

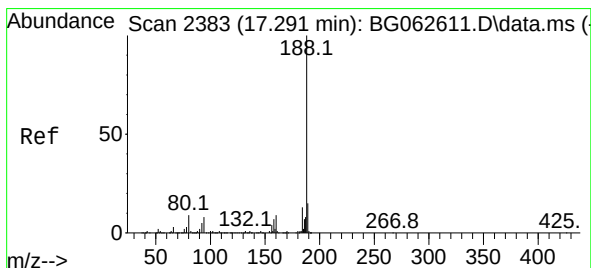
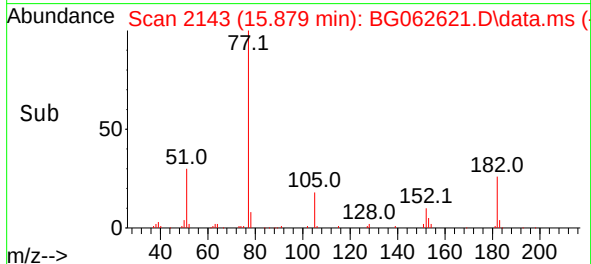
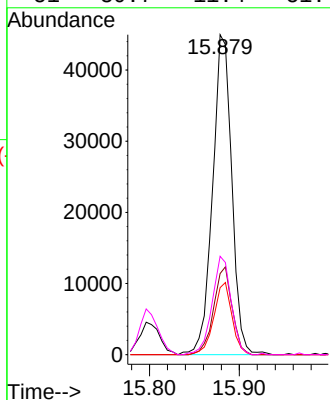
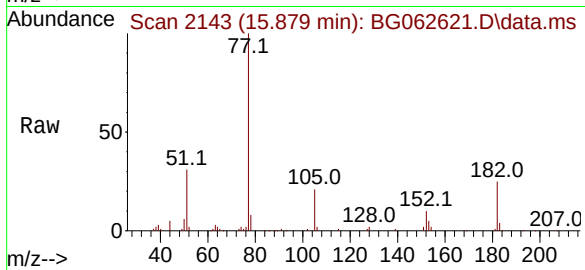




#63  
Azobenzene  
Concen: 4.372 ng  
RT: 15.879 min Scan# 2143  
Delta R.T. -0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

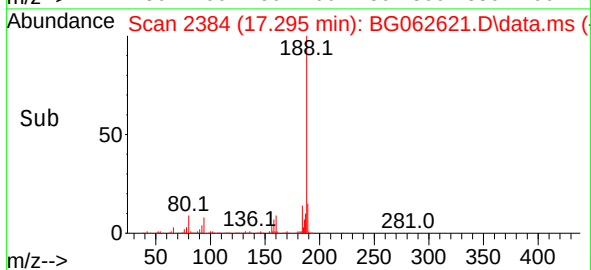
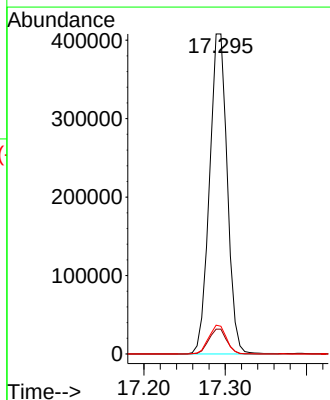
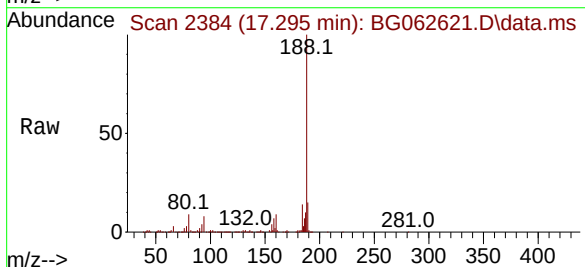
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

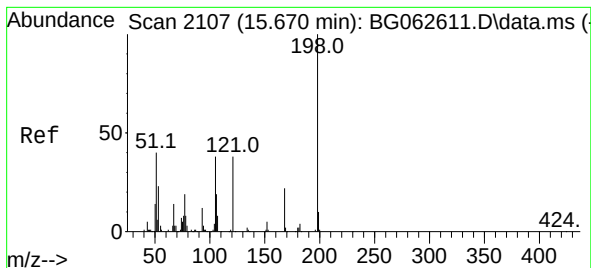
|             |             |
|-------------|-------------|
| Tgt Ion: 77 | Resp: 66771 |
| Ion Ratio   | Lower Upper |
| 77 100      |             |
| 182 25.4    | 5.0 45.0    |
| 105 20.9    | 0.5 40.5    |
| 51 30.7     | 11.4 51.4   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.295 min Scan# 2384  
Delta R.T. 0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:188 | Resp: | 618166 |
| Ion | Ratio   | Lower | Upper  |
| 188 | 100     |       |        |
| 94  | 7.7     | 6.3   | 9.5    |
| 80  | 8.7     | 7.0   | 10.4   |

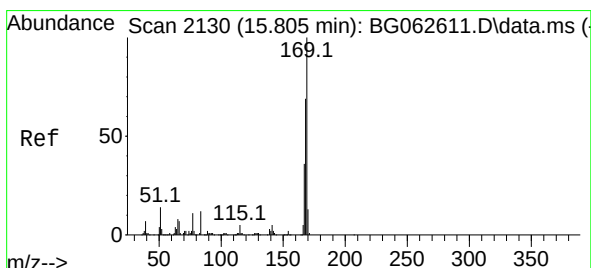
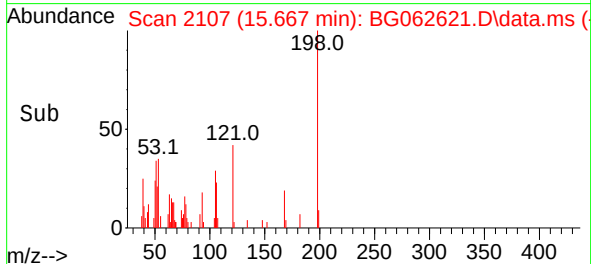
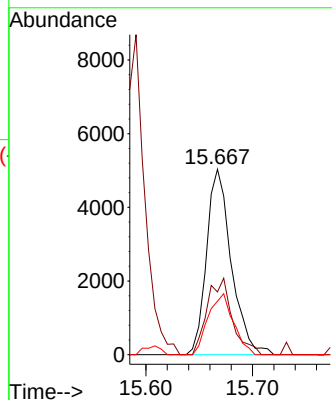
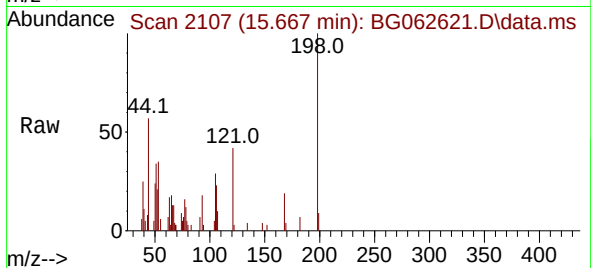




#65  
4,6-Dinitro-2-methylphenol  
Concen: 2.945 ng  
RT: 15.667 min Scan# 2107  
Delta R.T. -0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

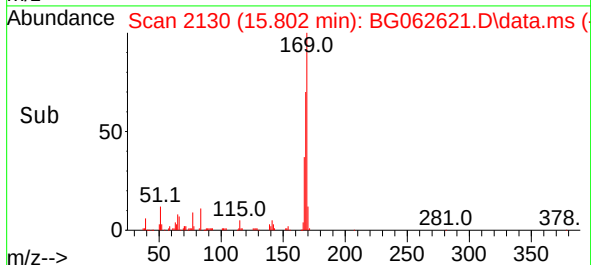
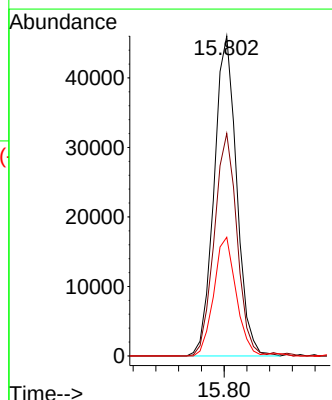
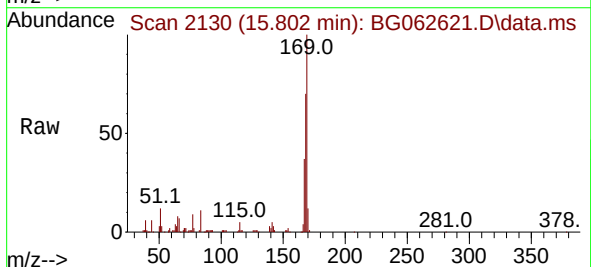
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

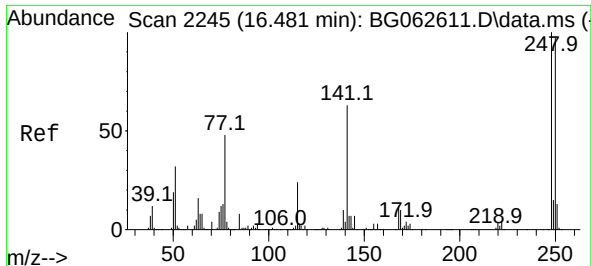
Tgt Ion:198 Resp: 8123  
Ion Ratio Lower Upper  
198 100  
51 33.8 25.1 65.1  
105 28.8 18.3 58.3



#66  
n-Nitrosodiphenylamine  
Concen: 4.269 ng  
RT: 15.802 min Scan# 2130  
Delta R.T. -0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

Tgt Ion:169 Resp: 63451  
Ion Ratio Lower Upper  
169 100  
168 69.5 55.4 83.2  
167 37.1 29.0 43.6

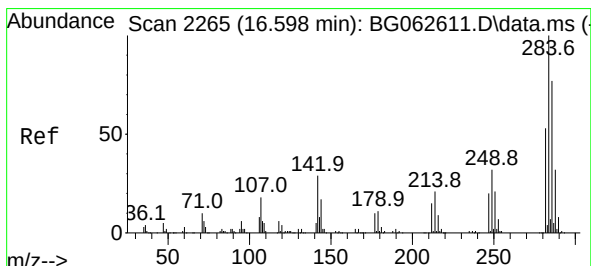
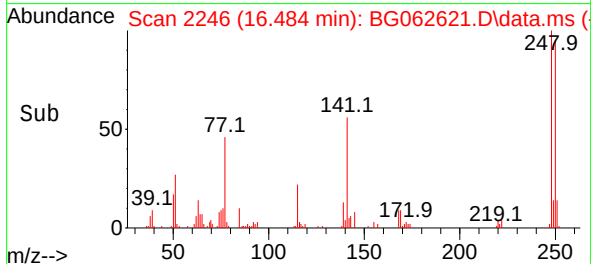
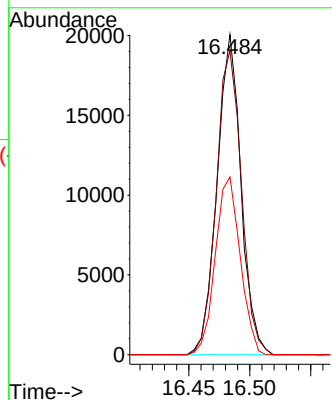
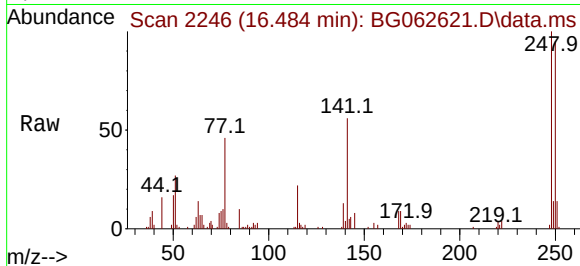




#67  
4-Bromophenyl-phenylether  
Concen: 4.305 ng  
RT: 16.484 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

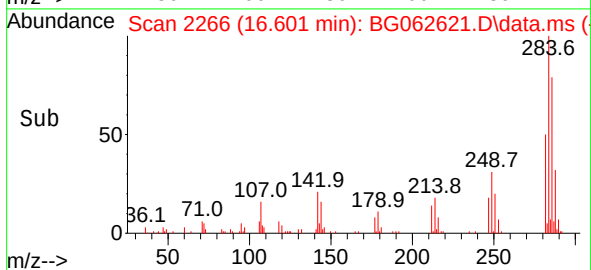
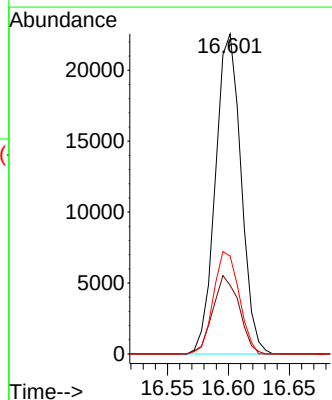
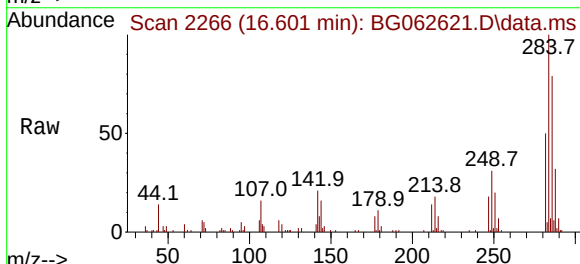
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

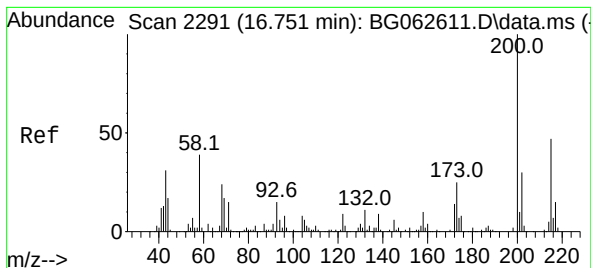
Tgt Ion:248 Resp: 27465  
Ion Ratio Lower Upper  
248 100  
250 95.0 77.9 116.9  
141 55.6 50.2 75.2



#68  
Hexachlorobenzene  
Concen: 4.369 ng  
RT: 16.601 min Scan# 2266  
Delta R.T. 0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

Tgt Ion:284 Resp: 33013  
Ion Ratio Lower Upper  
284 100  
142 21.5 23.5 35.3#  
249 33.0 25.4 38.0





#69

Atrazine

Concen: 5.474 ng

RT: 16.748 min Scan# 2291

Delta R.T. -0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

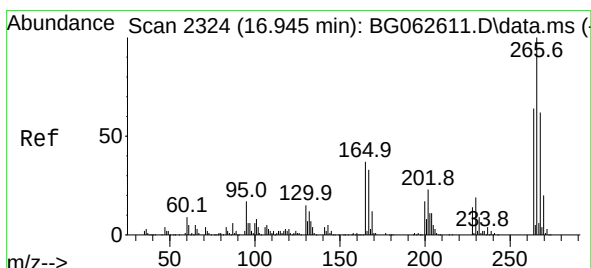
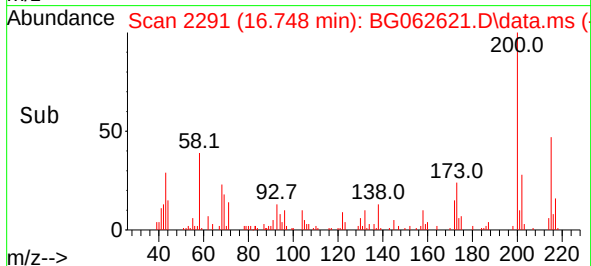
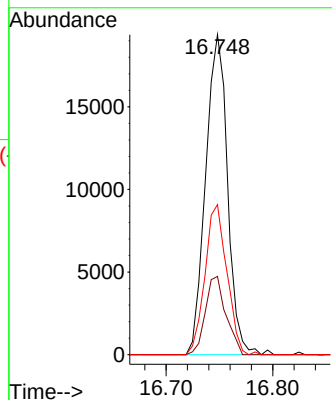
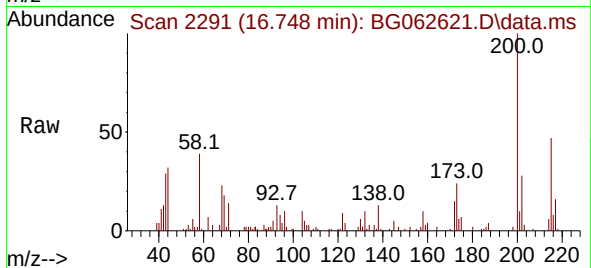
Tgt Ion:200 Resp: 27632

Ion Ratio Lower Upper

200 100

173 24.4 5.2 45.2

215 46.9 27.3 67.3



#70

Pentachlorophenol

Concen: 2.781 ng

RT: 16.942 min Scan# 2324

Delta R.T. -0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

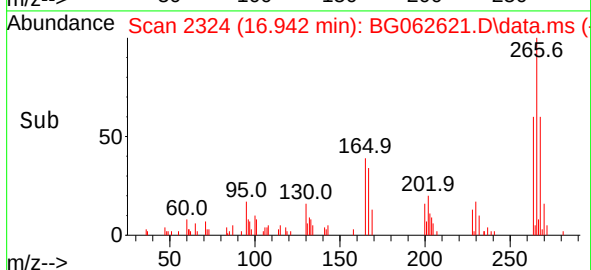
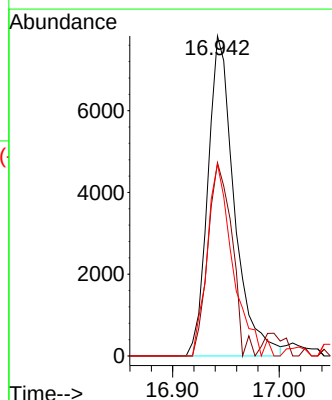
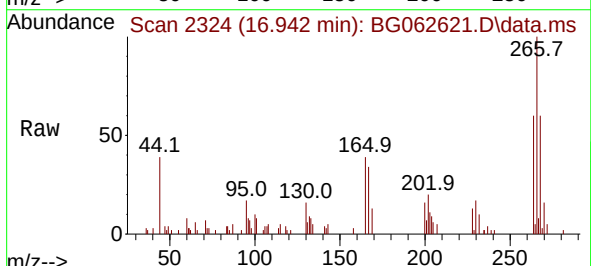
Tgt Ion:266 Resp: 13460

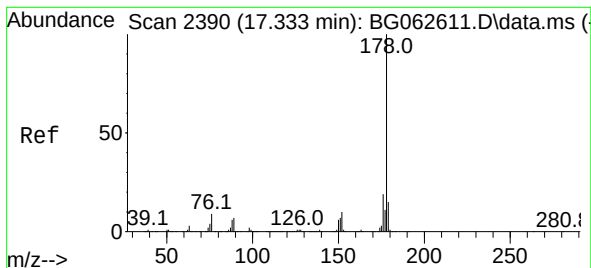
Ion Ratio Lower Upper

266 100

268 60.4 52.6 79.0

264 65.5 51.6 77.4





#71

Phenanthrene

Concen: 4.542 ng

RT: 17.330 min Scan# 2390

Delta R.T. -0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

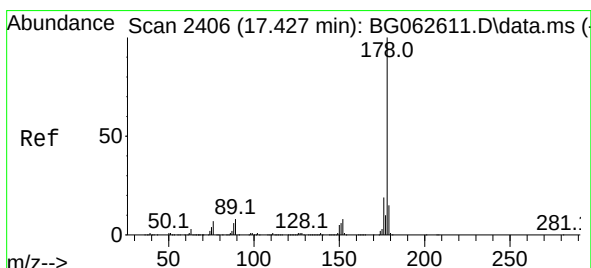
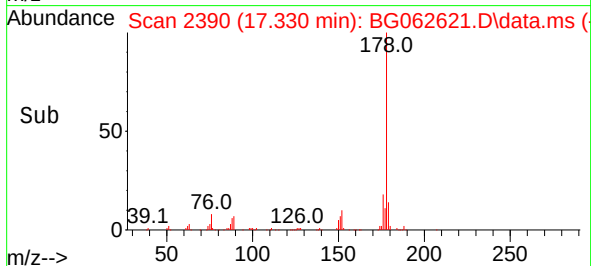
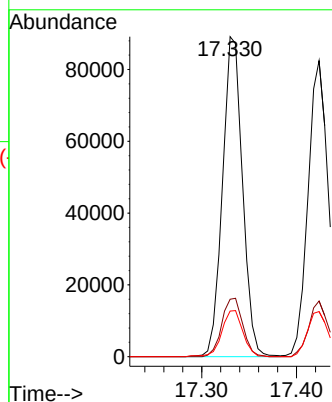
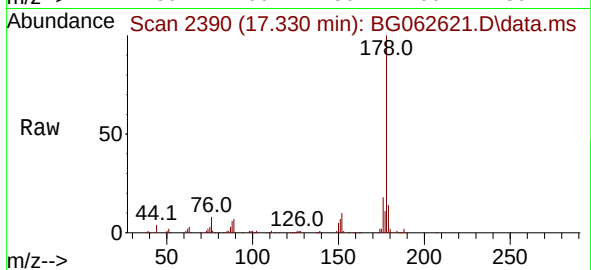
Tgt Ion:178 Resp: 131053

Ion Ratio Lower Upper

178 100

176 17.9 15.4 23.0

179 14.3 12.2 18.4



#72

Anthracene

Concen: 4.402 ng

RT: 17.424 min Scan# 2406

Delta R.T. -0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

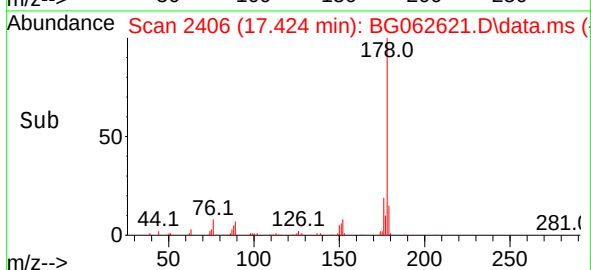
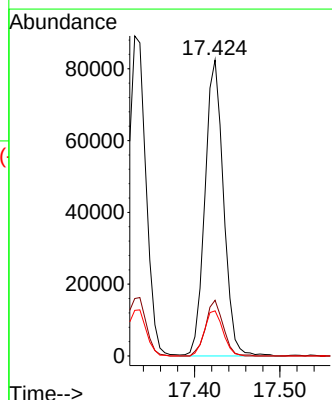
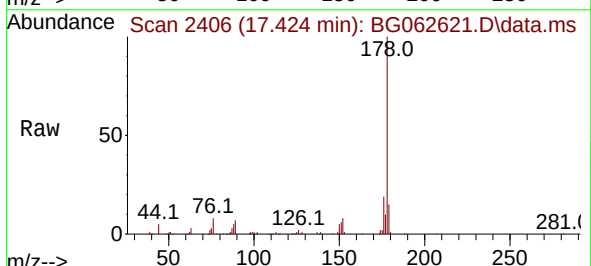
Tgt Ion:178 Resp: 124892

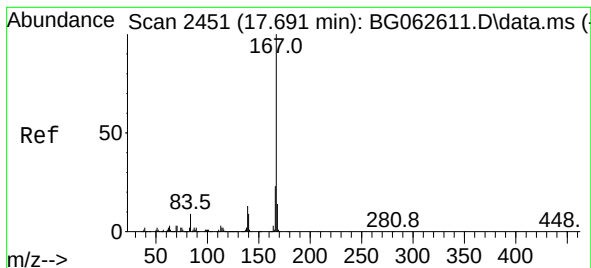
Ion Ratio Lower Upper

178 100

176 18.8 15.2 22.8

179 15.2 12.0 18.0





#73

Carbazole

Concen: 4.393 ng

RT: 17.688 min Scan# 2451

Delta R.T. -0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

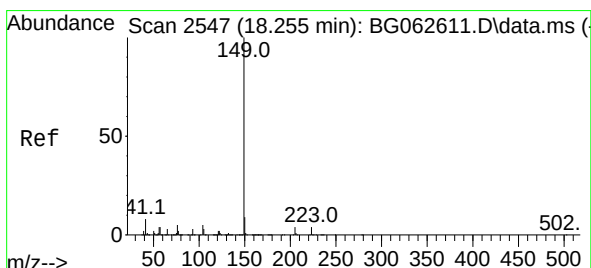
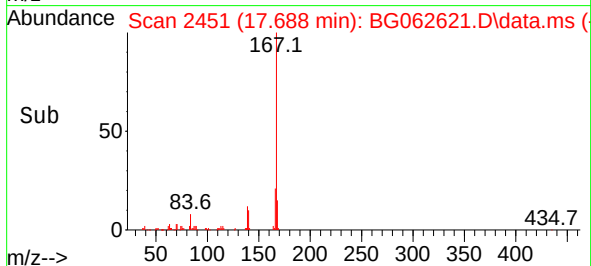
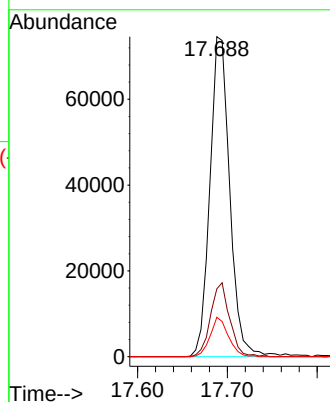
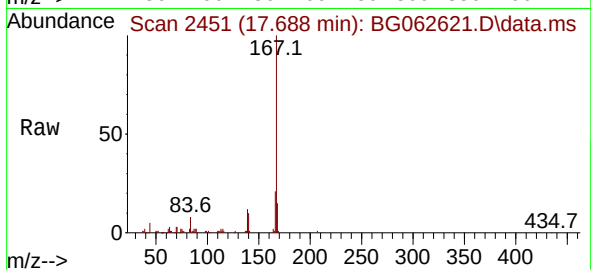
Tgt Ion:167 Resp: 114570

Ion Ratio Lower Upper

167 100

166 21.2 18.2 27.2

139 12.3 10.1 15.1



#74

Di-n-butylphthalate

Concen: 4.114 ng

RT: 18.258 min Scan# 2548

Delta R.T. 0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

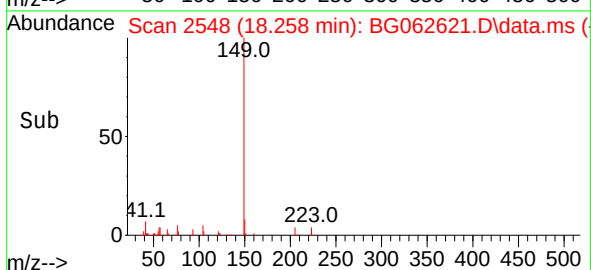
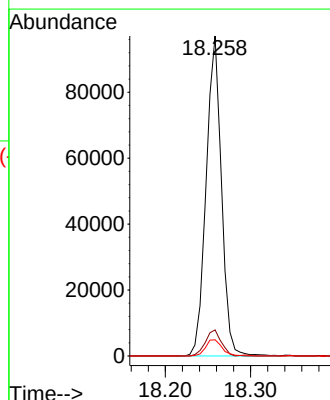
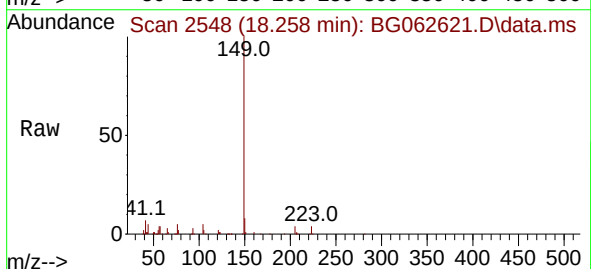
Tgt Ion:149 Resp: 121002

Ion Ratio Lower Upper

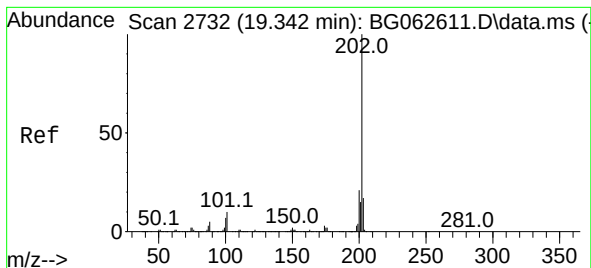
149 100

150 8.2 7.3 10.9

104 5.1 4.2 6.2







#75

Fluoranthene

Concen: 4.537 ng

RT: 19.345 min Scan# 21

Delta R.T. 0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

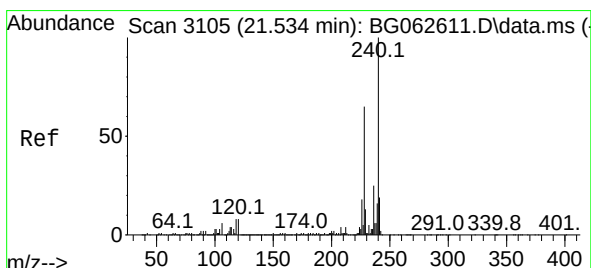
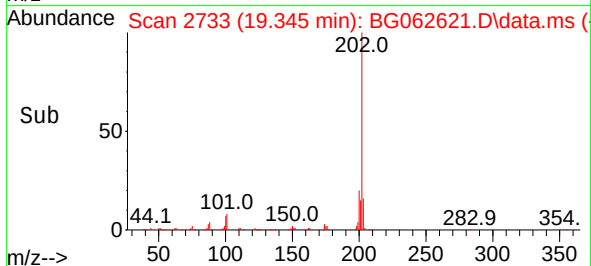
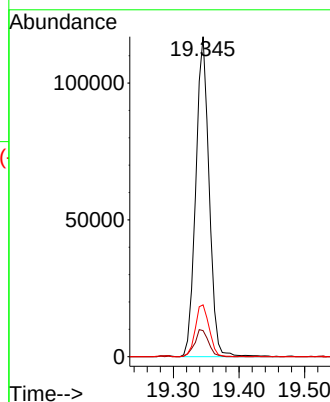
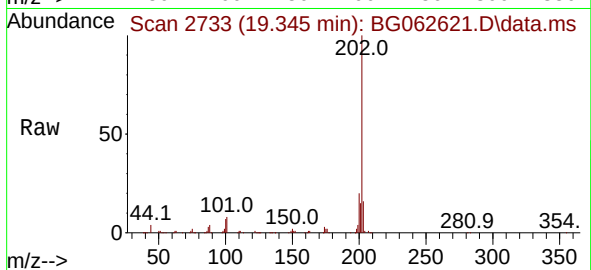
Tgt Ion:202 Resp: 165578

Ion Ratio Lower Upper

202 100

101 8.1 0.0 29.6

203 16.2 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.537 min Scan# 3106

Delta R.T. 0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

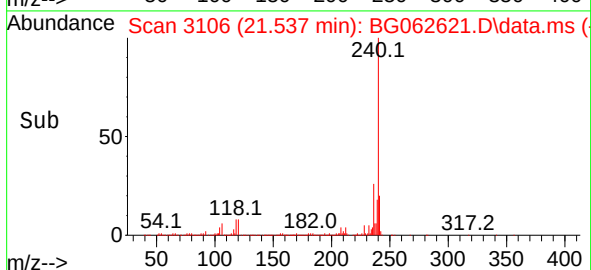
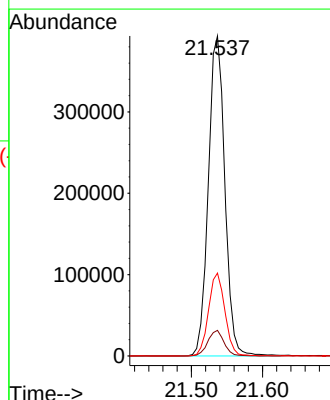
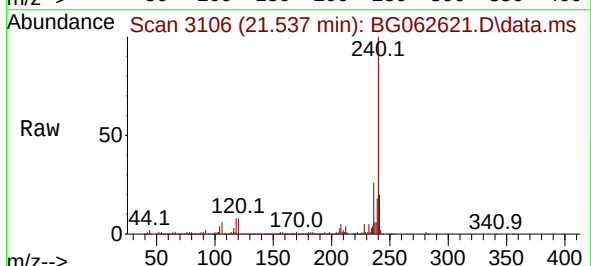
Tgt Ion:240 Resp: 635204

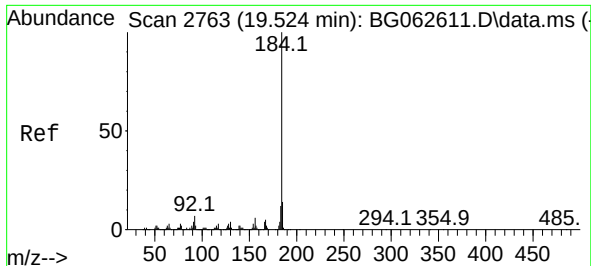
Ion Ratio Lower Upper

240 100

120 8.0 6.6 9.8

236 25.9 20.2 30.4

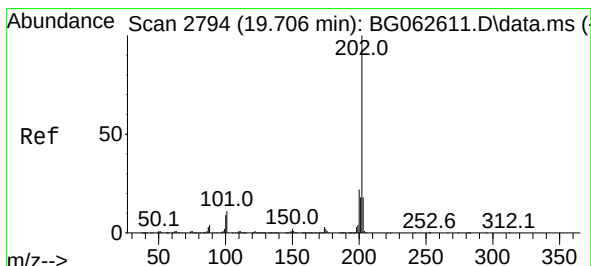
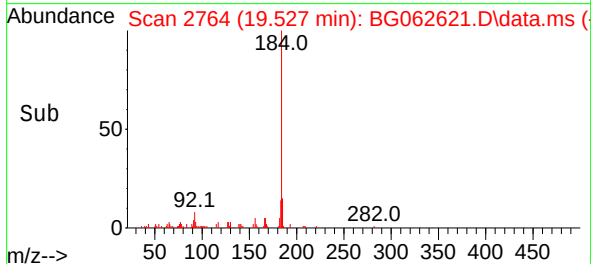
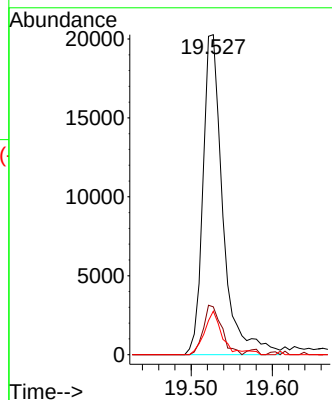
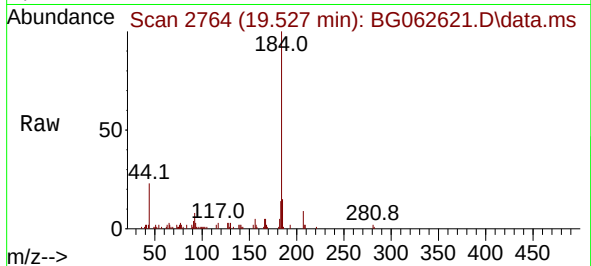




#77  
Benzidine  
Concen: 3.020 ng  
RT: 19.527 min Scan# 2763  
Delta R.T. 0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

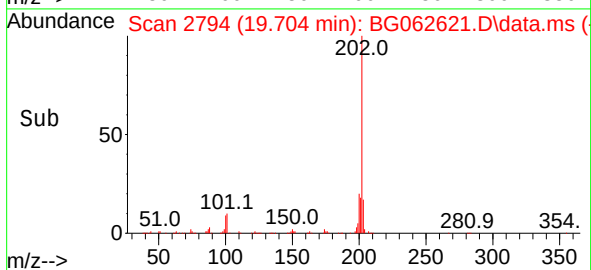
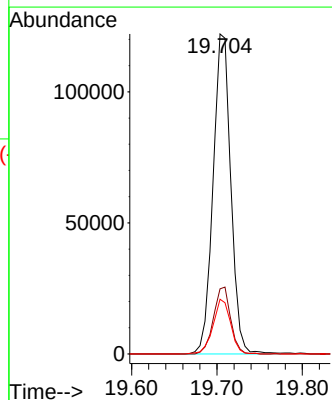
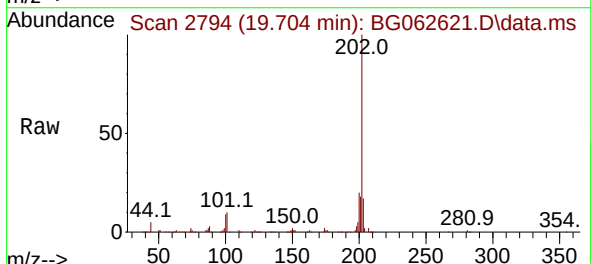
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

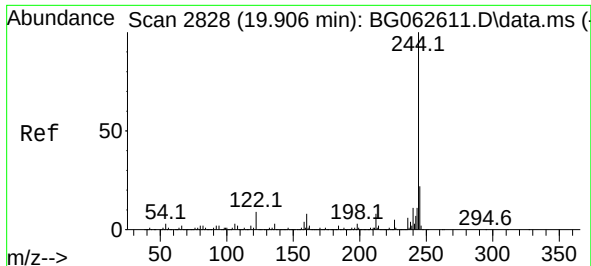
Tgt Ion:184 Resp: 34570  
Ion Ratio Lower Upper  
184 100  
185 15.0 11.0 16.6  
183 13.6 9.7 14.5



#78  
Pyrene  
Concen: 4.367 ng  
RT: 19.704 min Scan# 2794  
Delta R.T. -0.003 min  
Lab File: BG062621.D  
Acq: 3 Sep 2024 11:49

Tgt Ion:202 Resp: 176339  
Ion Ratio Lower Upper  
202 100  
200 20.4 17.4 26.2  
203 17.1 14.1 21.1

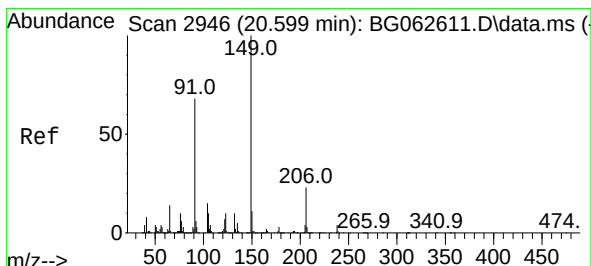
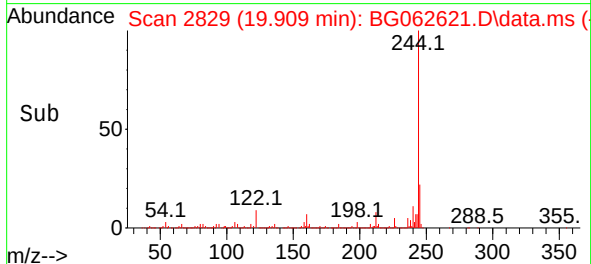
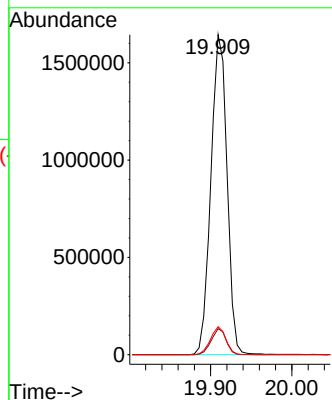
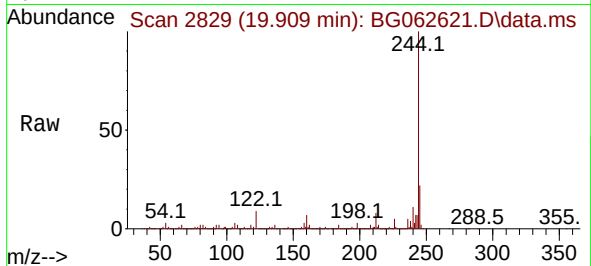




#79  
 Terphenyl-d14  
 Concen: 70.663 ng  
 RT: 19.909 min Scan# 21  
 Delta R.T. 0.003 min  
 Lab File: BG062621.D  
 Acq: 3 Sep 2024 11:49

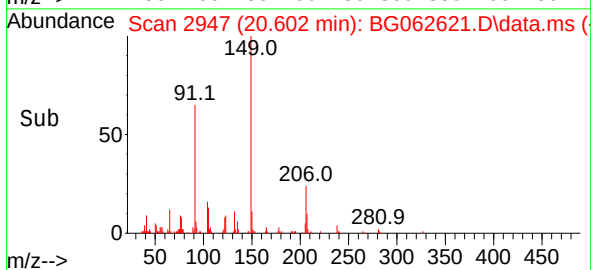
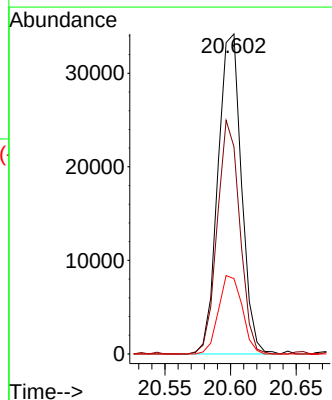
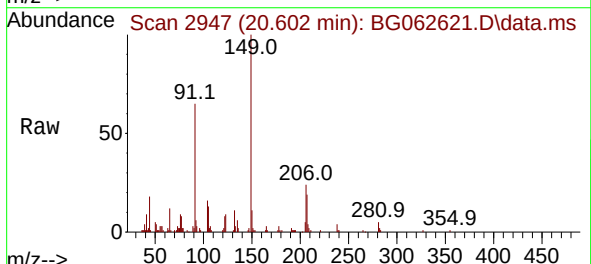
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2024

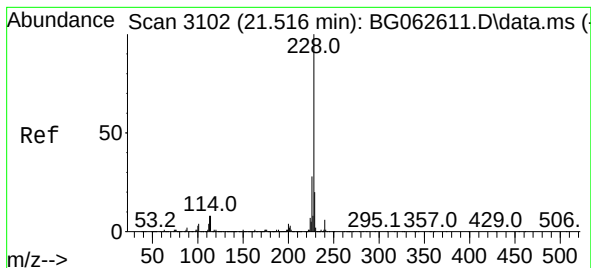
Tgt Ion:244 Resp: 2263713  
 Ion Ratio Lower Upper  
 244 100  
 212 8.2 6.6 10.0  
 122 8.8 7.2 10.8



#80  
 Butylbenzylphthalate  
 Concen: 3.588 ng  
 RT: 20.602 min Scan# 2947  
 Delta R.T. 0.003 min  
 Lab File: BG062621.D  
 Acq: 3 Sep 2024 11:49

Tgt Ion:149 Resp: 42549  
 Ion Ratio Lower Upper  
 149 100  
 91 64.7 54.6 81.8  
 206 23.5 18.4 27.6





#81

Benzo(a)anthracene

Concen: 4.442 ng

RT: 21.519 min Scan# 3102

Delta R.T. 0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

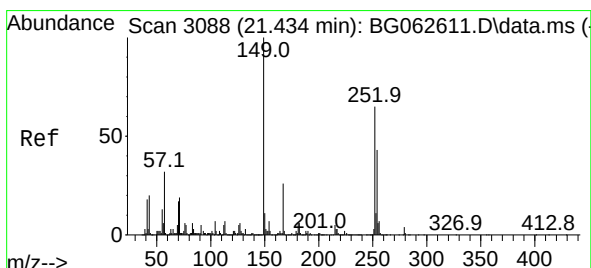
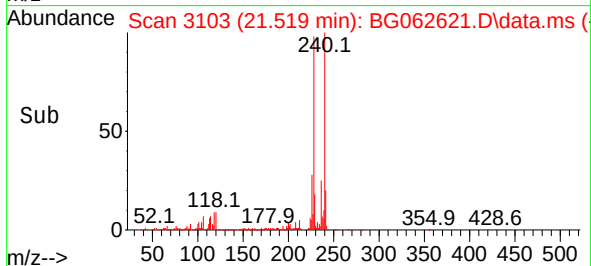
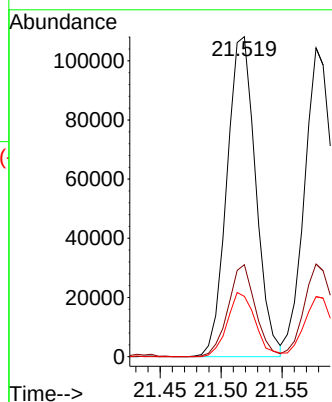
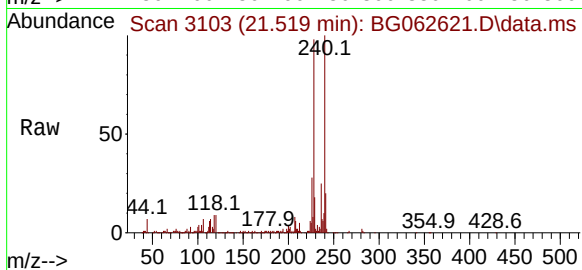
Tgt Ion:228 Resp: 177970

Ion Ratio Lower Upper

228 100

226 28.8 22.3 33.5

229 18.8 16.2 24.2



#82

3,3'-Dichlorobenzidine

Concen: 4.495 ng

RT: 21.437 min Scan# 3089

Delta R.T. 0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

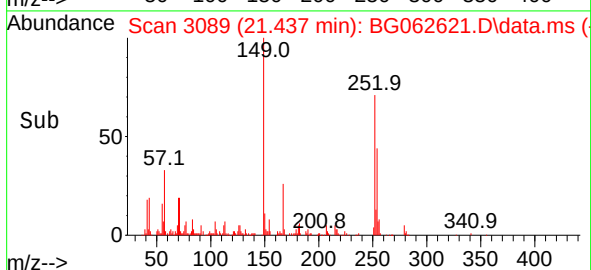
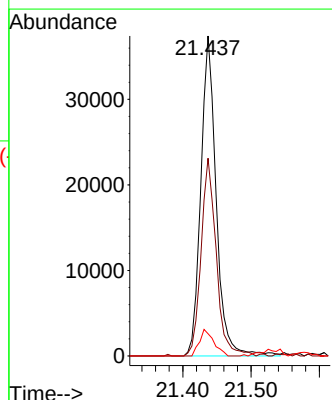
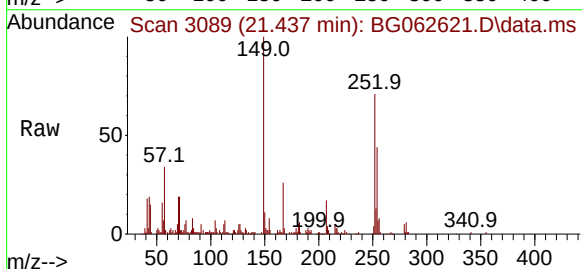
Tgt Ion:252 Resp: 58661

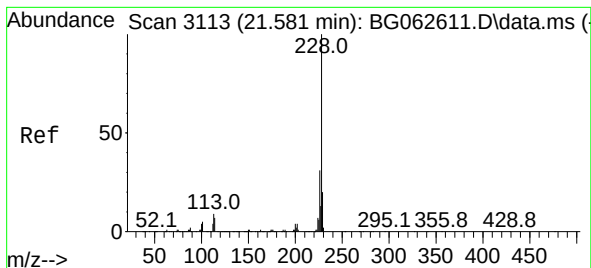
Ion Ratio Lower Upper

252 100

254 61.8 52.2 78.2

126 6.9 6.7 10.1





#83

Chrysene

Concen: 4.417 ng

RT: 21.578 min Scan# 3113

Delta R.T. -0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

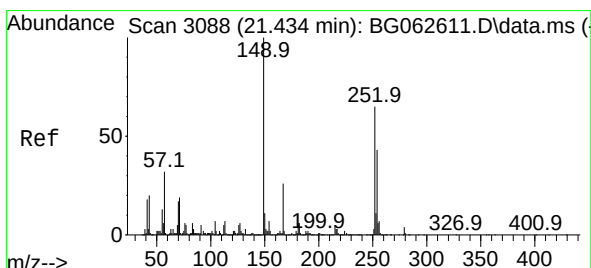
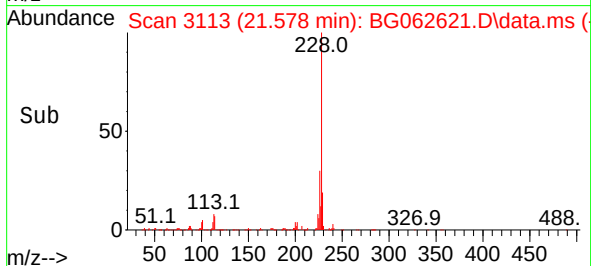
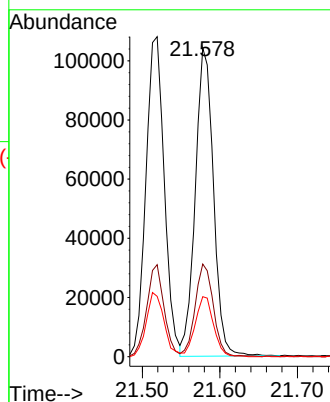
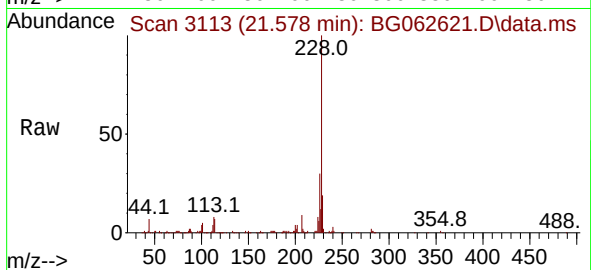
Tgt Ion:228 Resp: 169507

Ion Ratio Lower Upper

228 100

226 30.0 24.9 37.3

229 19.4 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.885 ng

RT: 21.437 min Scan# 3089

Delta R.T. 0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

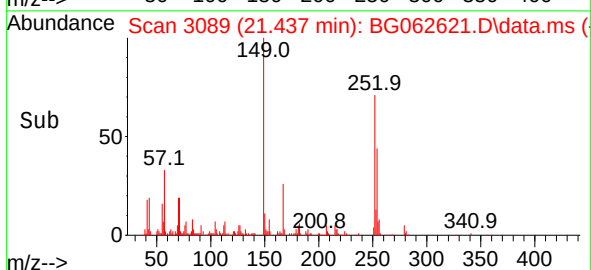
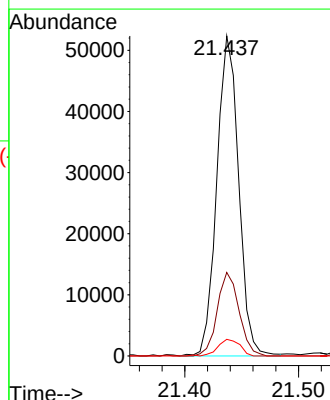
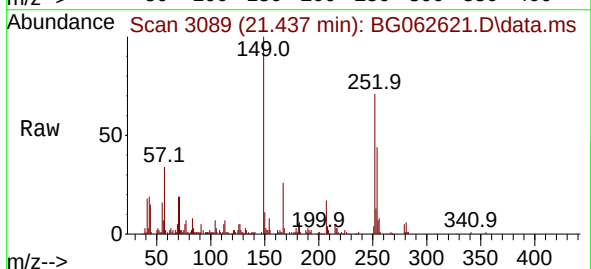
Tgt Ion:149 Resp: 70004

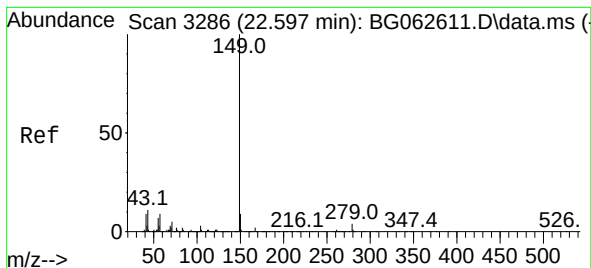
Ion Ratio Lower Upper

149 100

167 26.1 20.5 30.7

279 5.2 3.1 4.7#





#85

Di-n-octyl phthalate

Concen: 3.639 ng

RT: 22.600 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

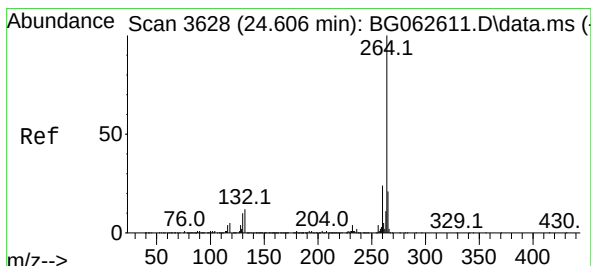
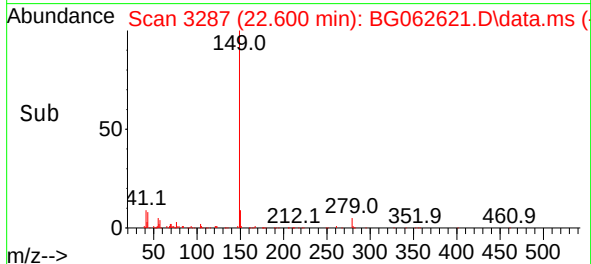
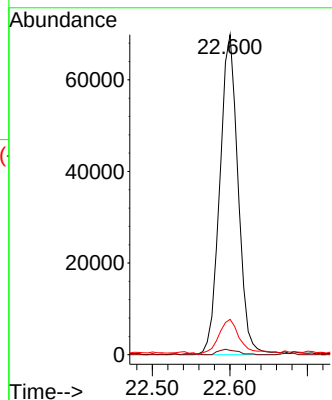
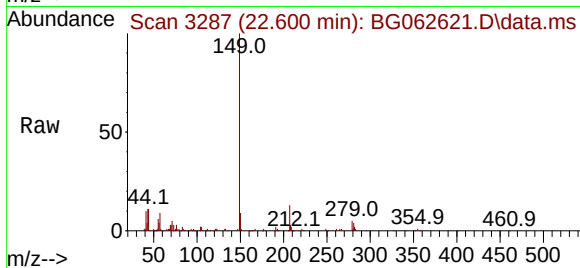
Tgt Ion:149 Resp: 114809

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

43 13.5 8.8 13.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.610 min Scan# 3629

Delta R.T. 0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

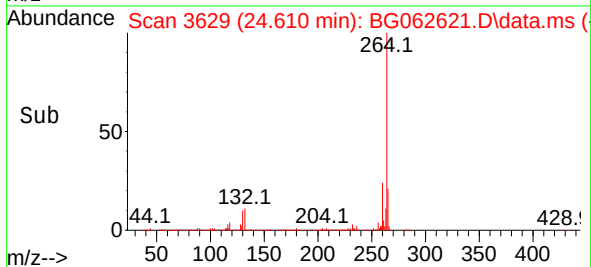
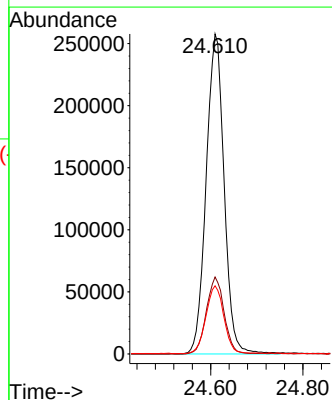
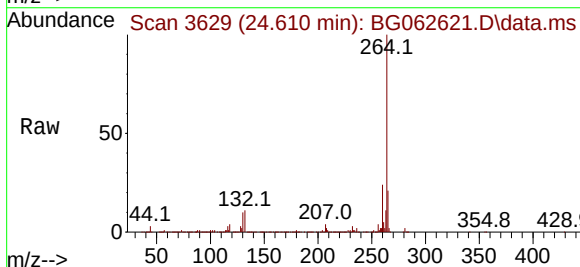
Tgt Ion:264 Resp: 697700

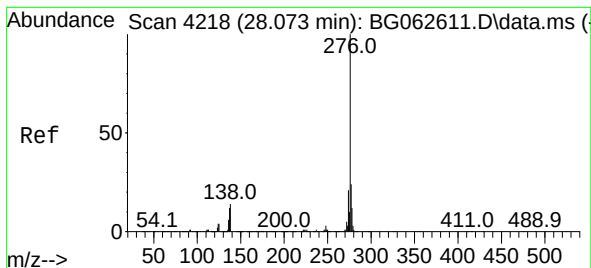
Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.4

265 21.3 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.330 ng

RT: 28.070 min Scan# 4218

Delta R.T. -0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

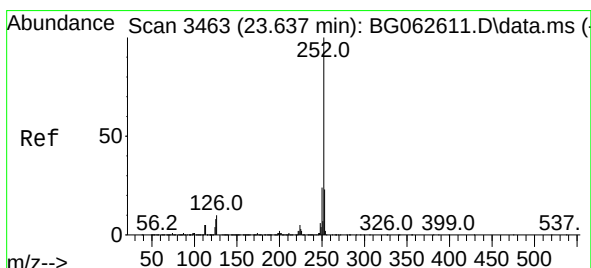
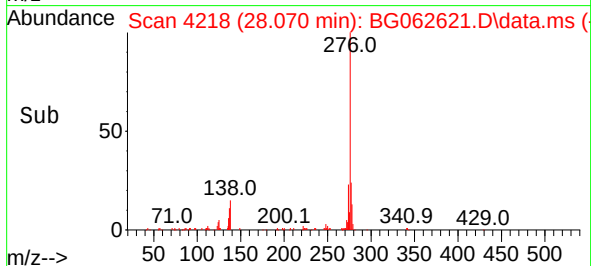
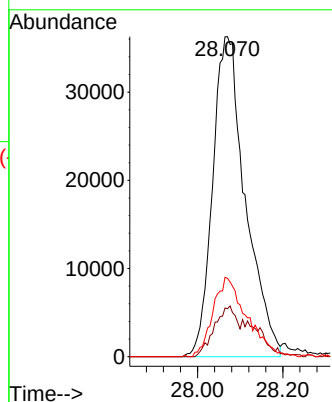
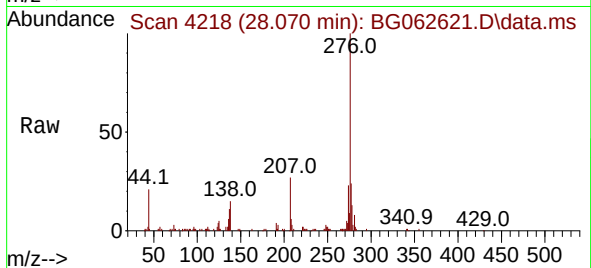
Tgt Ion:276 Resp: 193695

Ion Ratio Lower Upper

276 100

138 11.0 14.9 22.3#

277 25.6 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 4.245 ng

RT: 23.634 min Scan# 3463

Delta R.T. -0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

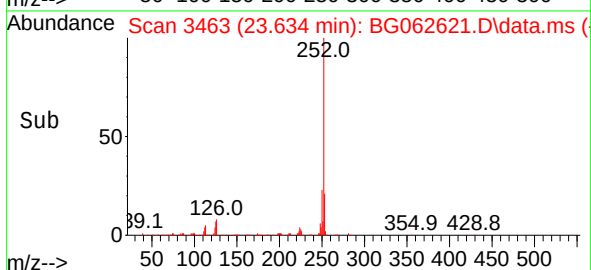
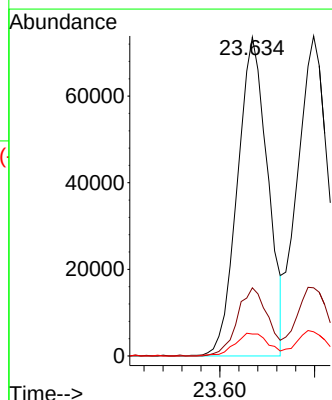
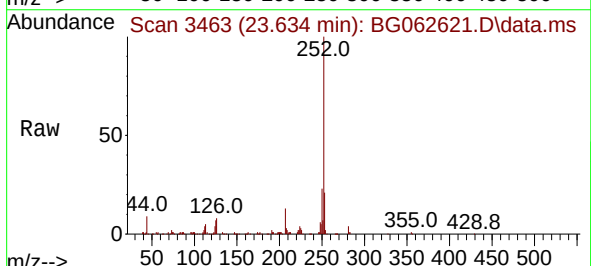
Tgt Ion:252 Resp: 163587

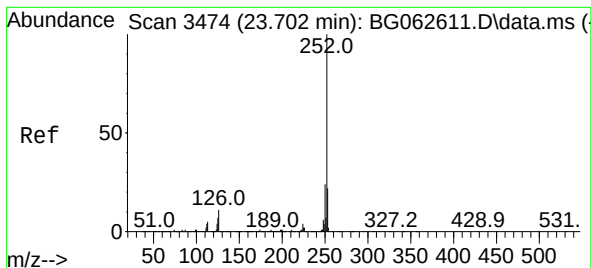
Ion Ratio Lower Upper

252 100

253 21.4 18.2 27.2

125 6.9 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 4.452 ng

RT: 23.699 min Scan# 34

Delta R.T. -0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

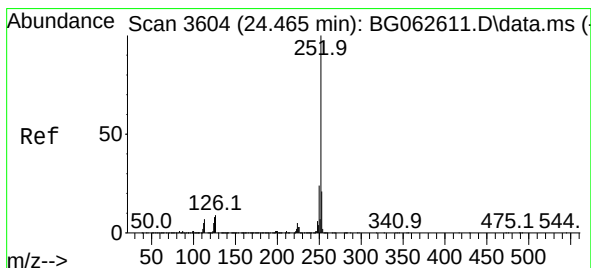
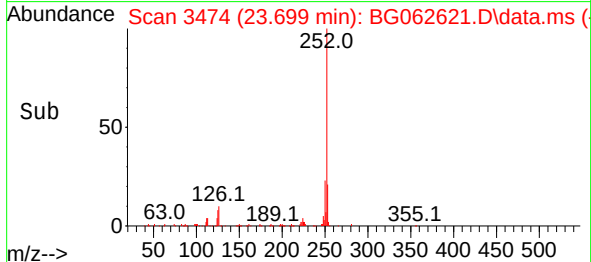
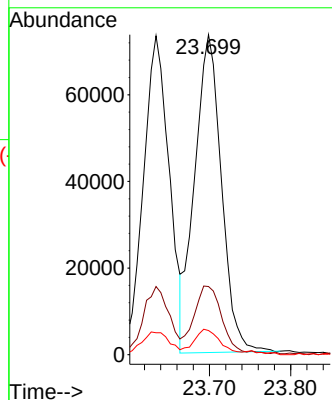
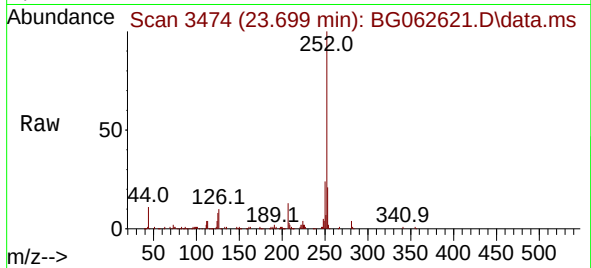
Tgt Ion:252 Resp: 167816

Ion Ratio Lower Upper

252 100

253 21.3 17.8 26.8

125 7.5 6.1 9.1



#90

Benzo(a)pyrene

Concen: 4.379 ng

RT: 24.463 min Scan# 3604

Delta R.T. -0.003 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

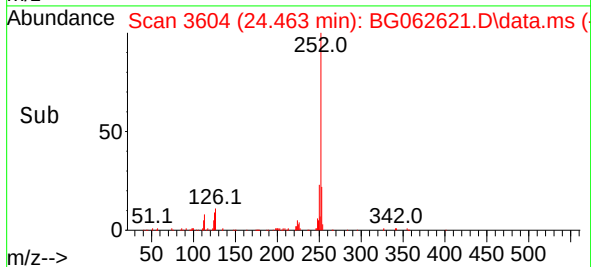
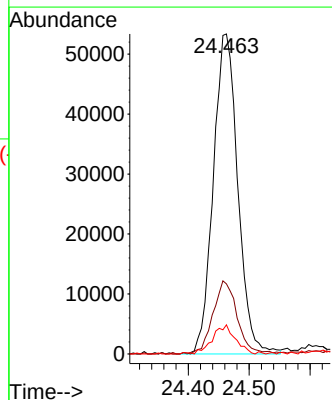
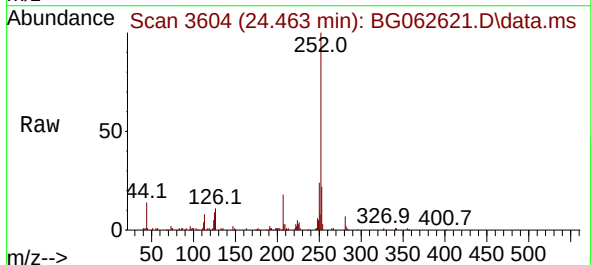
Tgt Ion:252 Resp: 149092

Ion Ratio Lower Upper

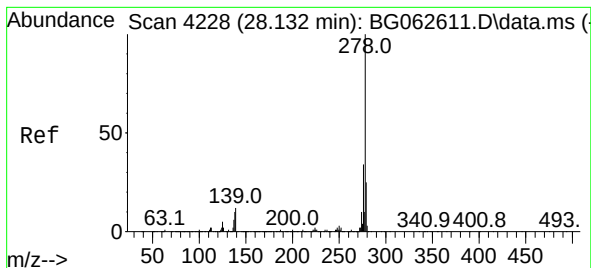
252 100

253 21.9 17.1 25.7

125 9.1 6.6 10.0







#91

Dibenzo(a,h)anthracene

Concen: 4.349 ng

RT: 28.123 min Scan# 41

Delta R.T. -0.009 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

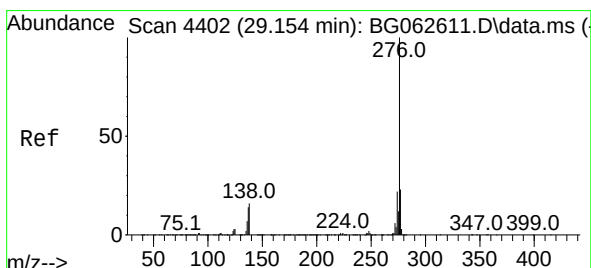
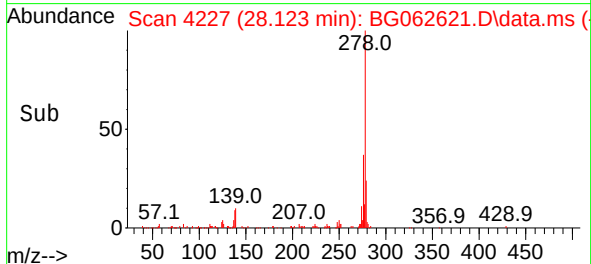
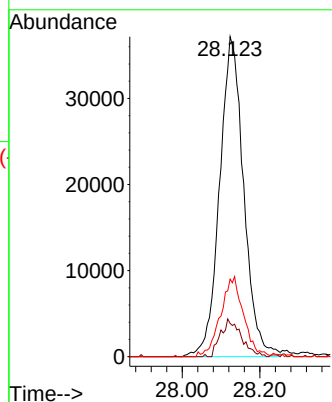
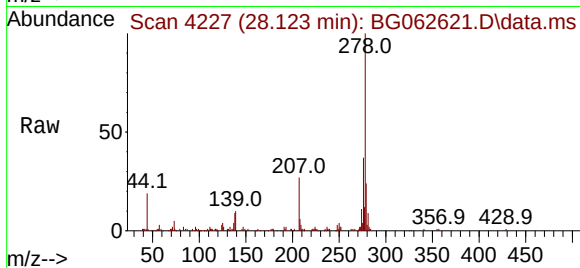
Tgt Ion:278 Resp: 160291

Ion Ratio Lower Upper

278 100

139 10.4 9.2 13.8

279 24.3 19.7 29.5



#92

Benzo(g,h,i)perylene

Concen: 4.105 ng

RT: 29.145 min Scan# 4401

Delta R.T. -0.009 min

Lab File: BG062621.D

Acq: 3 Sep 2024 11:49

Tgt Ion:276 Resp: 152536

Ion Ratio Lower Upper

276 100

277 21.2 18.8 28.2

138 15.9 12.7 19.1

