

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG031622\  
 Data File : BG052674.D  
 Acq On : 16 Mar 2022 11:01  
 Operator : CG/JU  
 Sample : N1645-02  
 Misc : LOQ-SOIL 5ppm  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2022

Quant Time: Mar 16 13:19:04 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG031522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 16 11:53:01 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.155  | 152  | 39624    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.969 | 136  | 151143   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.776 | 164  | 109619   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.513 | 188  | 255406   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.801 | 240  | 289609   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12              | 25.120 | 264  | 288811   | 20.000 | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.705  | 112  | 219496   | 96.471 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.297  | 99   | 317620   | 92.595 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.312  | 82   | 216206   | 71.796 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.256 | 330  | 131156   | 89.041 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.401 | 172  | 503239   | 67.707 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.121 | 244  | 1010925  | 62.093 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.602  | 88   | 6979     | 6.132  | ng    | 87       |
| 3) Pyridine                   | 4.008  | 79   | 12799    | 4.387  | ng    | # 85     |
| 4) n-Nitrosodimethylamine     | 3.920  | 42   | 4398     | 3.398  | ng    | # 88     |
| 6) Aniline                    | 7.468  | 93   | 18740    | 4.659  | ng    | 97       |
| 8) 2-Chlorophenol             | 7.715  | 128  | 11173    | 4.673  | ng    | 93       |
| 9) Benzaldehyde               | 7.286  | 77   | 12729    | 6.042  | ng    | 82       |
| 10) Phenol                    | 7.321  | 94   | 15020    | 4.436  | ng    | 87       |
| 11) bis(2-Chloroethyl)ether   | 7.568  | 93   | 11539    | 4.513  | ng    | 93       |
| 12) 1,3-Dichlorobenzene       | 8.190  | 146  | 13182    | 4.579  | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 8.190  | 146  | 13182    | 4.558  | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 8.513  | 146  | 12730    | 4.654  | ng    | 98       |
| 15) Benzyl Alcohol            | 8.384  | 79   | 11875    | 4.112  | ng    | # 81     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.678  | 45   | 19022    | 4.272  | ng    | 98       |
| 17) 2-Methylphenol            | 8.584  | 107  | 9966     | 4.415  | ng    | 95       |
| 18) Hexachloroethane          | 9.254  | 117  | 4750     | 4.476  | ng    | 90       |
| 19) n-Nitroso-di-n-propyla... | 8.960  | 70   | 10933    | 4.500  | ng    | # 92     |
| 20) 3+4-Methylphenols         | 8.907  | 107  | 12564    | 3.977  | ng    | 92       |
| 22) Acetophenone              | 8.972  | 105  | 19253    | 4.922  | ng    | # 93     |
| 24) Nitrobenzene              | 9.353  | 77   | 16019    | 5.316  | ng    | 96       |
| 25) Isophorone                | 9.882  | 82   | 27204    | 4.665  | ng    | # 90     |
| 26) 2-Nitrophenol             | 10.076 | 139  | 4636     | 4.431  | ng    | # 81     |
| 27) 2,4-Dimethylphenol        | 10.123 | 122  | 10292    | 4.808  | ng    | # 78     |
| 28) bis(2-Chloroethoxy)met... | 10.358 | 93   | 15742    | 4.566  | ng    | # 90     |
| 29) 2,4-Dichlorophenol        | 10.605 | 162  | 9794     | 4.066  | ng    | 83       |
| 30) 1,2,4-Trichlorobenzene    | 10.828 | 180  | 14448    | 5.085  | ng    | # 84     |
| 31) Naphthalene               | 11.016 | 128  | 38092    | 4.874  | ng    | # 95     |
| 32) Benzoic acid              | 10.164 | 122  | 3224     | 2.241  | ng    | # 88     |
| 33) 4-Chloroaniline           | 11.116 | 127  | 14856    | 4.485  | ng    | 96       |
| 34) Hexachlorobutadiene       | 11.310 | 225  | 9833     | 4.826  | ng    | 94       |
| 35) Caprolactam               | 11.856 | 113  | 2888     | 4.391  | ng    | # 78     |
| 36) 4-Chloro-3-methylphenol   | 12.214 | 107  | 11136    | 3.981  | ng    | 92       |
| 37) 2-Methylnaphthalene       | 12.614 | 142  | 27430    | 4.792  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.831 | 142  | 26313    | 4.710  | ng    | 96       |
| 40) 1,2,4,5-Tetrachloroben... | 12.978 | 216  | 16825    | 4.913  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.966 | 237  | 10840    | 5.340  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 13.207 | 196  | 8459     | 3.857  | ng    | 89       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG031622\  
 Data File : BG052674.D  
 Acq On : 16 Mar 2022 11:01  
 Operator : CG/JU  
 Sample : N1645-02  
 Misc : LOQ-SOIL 5ppm  
 ALS Vial : 6 Sample Multiplier: 1

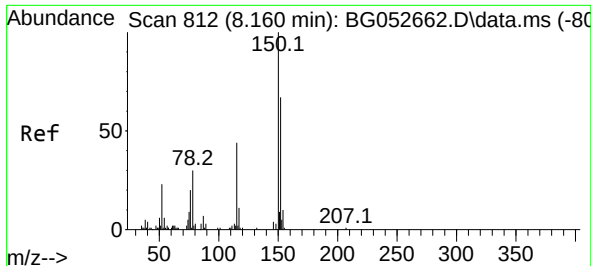
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2022

Quant Time: Mar 16 13:19:04 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG031522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 16 11:53:01 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.278 | 196  | 10284    | 4.620 | ng    | # 87     |
| 46) 1,1'-Biphenyl             | 13.607 | 154  | 36158    | 4.717 | ng    | 92       |
| 47) 2-Chloronaphthalene       | 13.654 | 162  | 27953    | 4.630 | ng    | 96       |
| 48) 2-Nitroaniline            | 13.842 | 65   | 6345     | 3.843 | ng    | 94       |
| 49) Acenaphthylene            | 14.494 | 152  | 46823    | 4.865 | ng    | 97       |
| 50) Dimethylphthalate         | 14.217 | 163  | 35687    | 4.380 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.329 | 165  | 5754     | 4.183 | ng    | 93       |
| 52) Acenaphthene              | 14.834 | 154  | 28234    | 4.579 | ng    | 98       |
| 53) 3-Nitroaniline            | 14.658 | 138  | 6151     | 3.822 | ng    | 92       |
| 54) 2,4-Dinitrophenol         | 14.864 | 184  | 2576     | 3.436 | ng    | # 71     |
| 55) Dibenzofuran              | 15.169 | 168  | 45853    | 4.554 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.946 | 139  | 4896     | 3.729 | ng    | 88       |
| 57) 2,4-Dinitrotoluene        | 15.110 | 165  | 7240     | 3.793 | ng    | 90       |
| 58) Fluorene                  | 15.815 | 166  | 38353    | 4.673 | ng    | # 85     |
| 59) 2,3,4,6-Tetrachlorophenol | 15.387 | 232  | 8676     | 3.646 | ng    | # 98     |
| 60) Diethylphthalate          | 15.580 | 149  | 38160    | 4.437 | ng    | # 97     |
| 61) 4-Chlorophenyl-phenyle... | 15.809 | 204  | 20574    | 4.546 | ng    | 95       |
| 62) 4-Nitroaniline            | 15.809 | 138  | 7111     | 4.181 | ng    | 94       |
| 63) Azobenzene                | 16.097 | 77   | 40307    | 4.385 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 15.880 | 198  | 4311     | 3.786 | ng    | 83       |
| 66) n-Nitrosodiphenylamine    | 16.015 | 169  | 31287    | 4.351 | ng    | 95       |
| 67) 4-Bromophenyl-phenylether | 16.702 | 248  | 12650    | 4.108 | ng    | 93       |
| 68) Hexachlorobenzene         | 16.826 | 284  | 15024    | 4.539 | ng    | 96       |
| 69) Atrazine                  | 16.961 | 200  | 12273    | 4.629 | ng    | 96       |
| 70) Pentachlorophenol         | 17.161 | 266  | 7049     | 3.433 | ng    | 90       |
| 71) Phenanthrene              | 17.554 | 178  | 65456    | 4.791 | ng    | 94       |
| 72) Anthracene                | 17.648 | 178  | 64001    | 4.738 | ng    | 96       |
| 73) Carbazole                 | 17.907 | 167  | 58309    | 4.359 | ng    | 95       |
| 74) Di-n-butylphthalate       | 18.476 | 149  | 63824    | 4.367 | ng    | 100      |
| 75) Fluoranthene              | 19.557 | 202  | 81588    | 4.704 | ng    | 97       |
| 77) Benzidine                 | 19.728 | 184  | 42081    | 5.634 | ng    | 99       |
| 78) Pyrene                    | 19.922 | 202  | 86305    | 4.296 | ng    | 95       |
| 80) Butylbenzylphthalate      | 20.809 | 149  | 25324    | 3.554 | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.784 | 228  | 90073    | 4.645 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.690 | 252  | 31564    | 4.609 | ng    | 96       |
| 83) Chrysene                  | 21.848 | 228  | 81325    | 4.461 | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 21.696 | 149  | 40814    | 4.211 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.947 | 149  | 60722    | 3.764 | ng    | # 92     |
| 87) Indeno(1,2,3-cd)pyrene    | 28.909 | 276  | 86637    | 4.383 | ng    | # 91     |
| 88) Benzo(b)fluoranthene      | 24.063 | 252  | 83949    | 4.681 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 24.133 | 252  | 82419    | 4.671 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.956 | 252  | 79026    | 5.206 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 28.980 | 278  | 74846    | 4.595 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 30.096 | 276  | 74202    | 4.604 | ng    | # 97     |

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

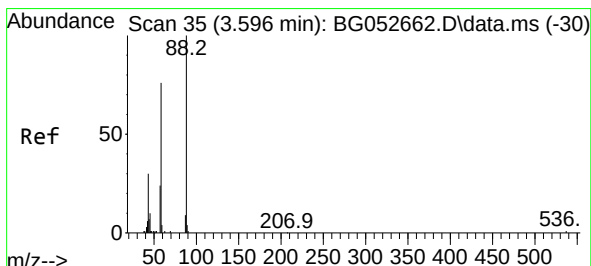
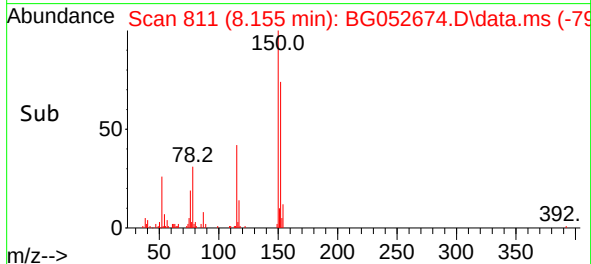
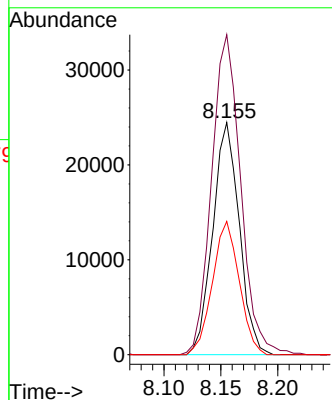
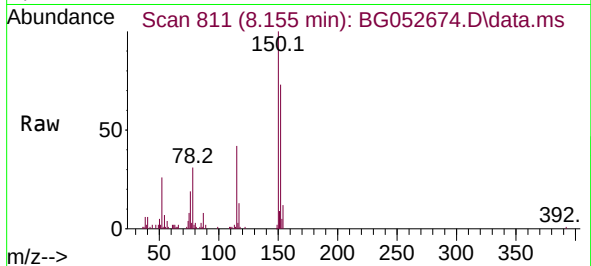




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.155 min Scan# 81  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

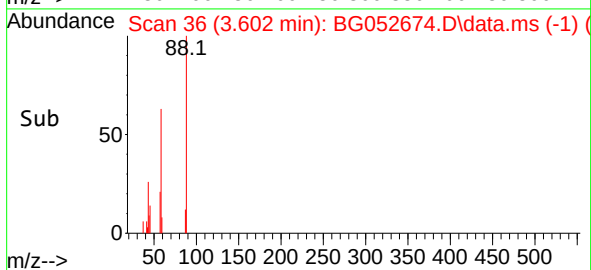
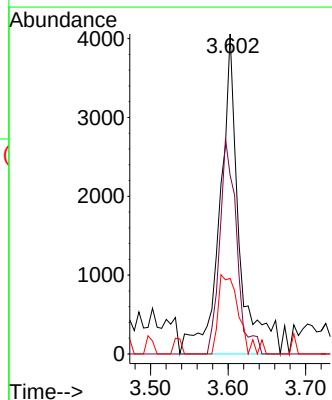
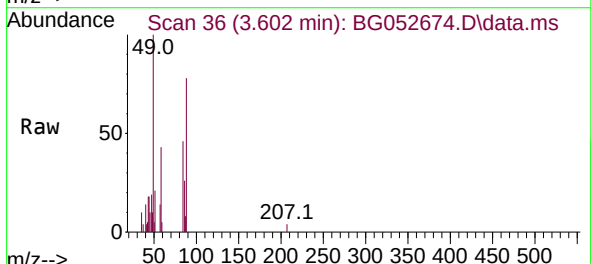
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

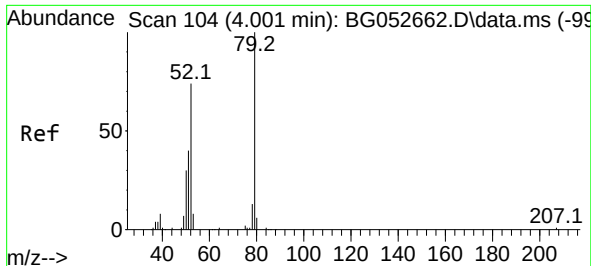
Tgt Ion:152 Resp: 39624  
Ion Ratio Lower Upper  
152 100  
150 137.9 114.6 172.0  
115 57.4 45.9 68.9



#2  
1,4-Dioxane  
Concen: 6.132 ng  
RT: 3.602 min Scan# 36  
Delta R.T. 0.006 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion: 88 Resp: 6979  
Ion Ratio Lower Upper  
88 100  
58 59.4 58.2 87.2  
43 26.2 23.4 35.0

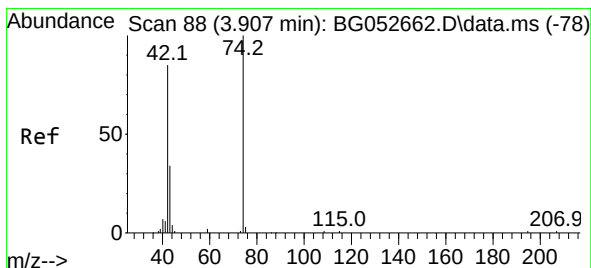
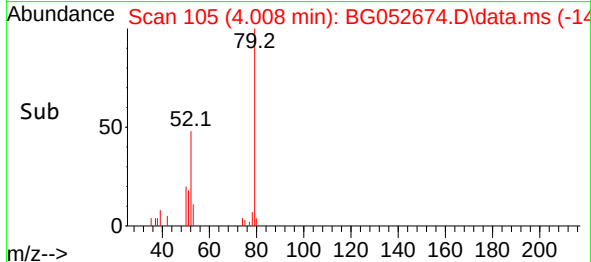
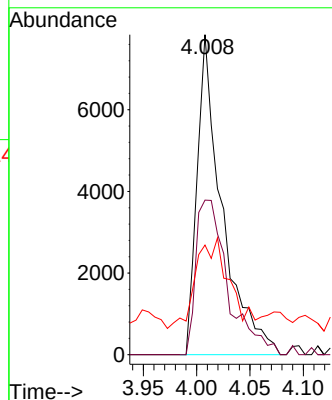
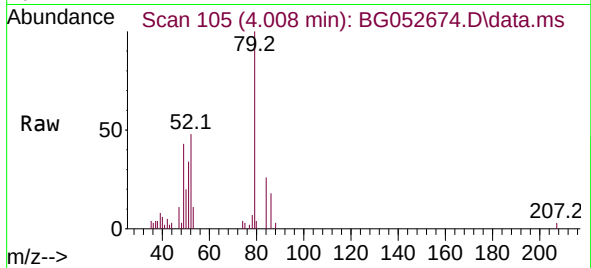




#3  
Pyridine  
Concen: 4.387 ng  
RT: 4.008 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

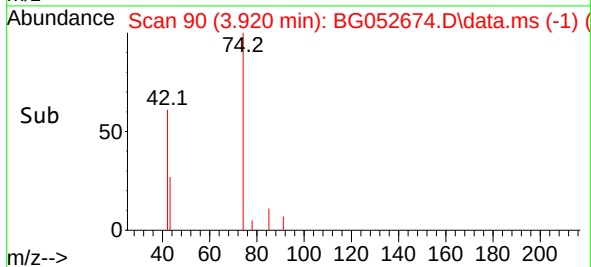
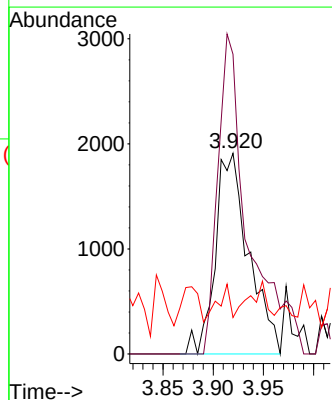
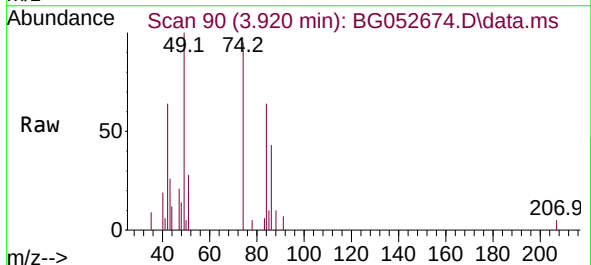
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

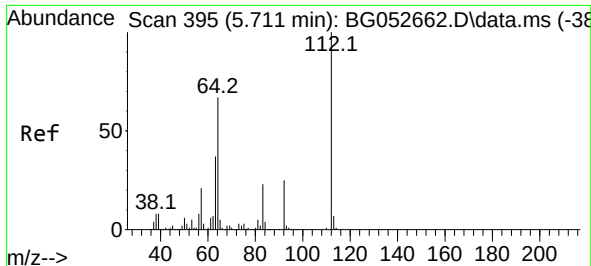
Tgt Ion: 79 Resp: 12799  
Ion Ratio Lower Upper  
79 100  
52 48.3 50.9 76.3#  
51 34.2 24.4 36.6



#4  
n-Nitrosodimethylamine  
Concen: 3.398 ng  
RT: 3.920 min Scan# 90  
Delta R.T. 0.012 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion: 42 Resp: 4398  
Ion Ratio Lower Upper  
42 100  
74 149.3 108.9 163.3  
44 18.2 5.7 8.5#

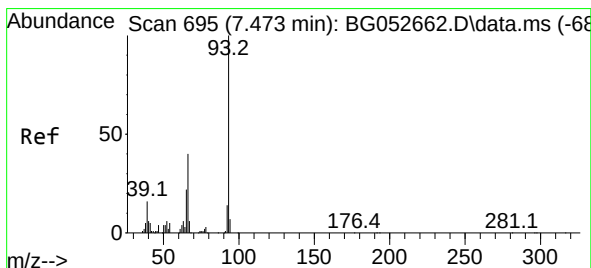
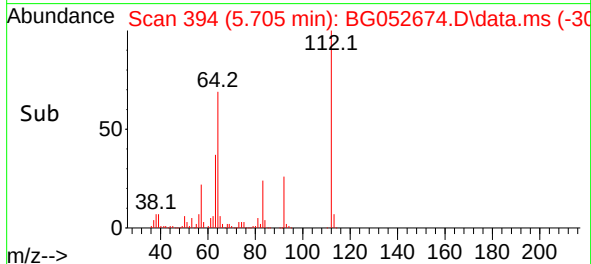
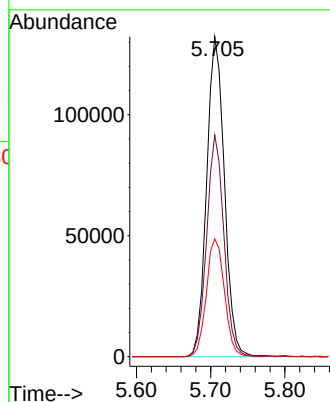
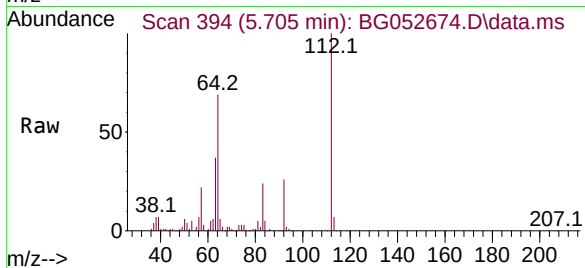




#5  
2-Fluorophenol  
Concen: 96.471 ng  
RT: 5.705 min Scan# 394  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

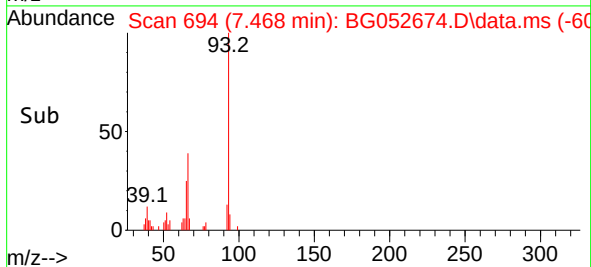
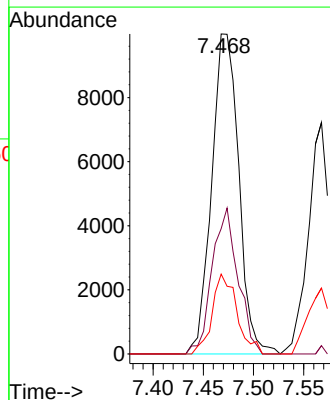
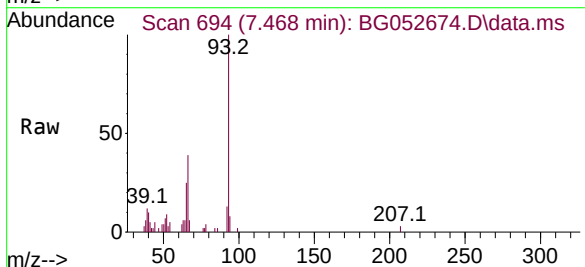
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

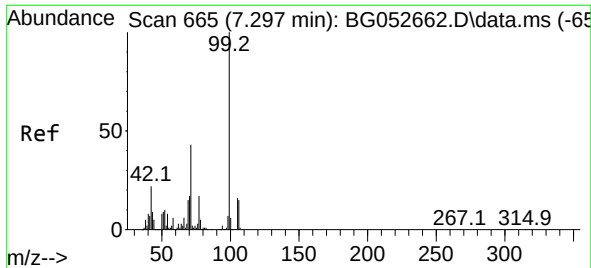
Tgt Ion:112 Resp: 219496  
Ion Ratio Lower Upper  
112 100  
64 69.3 48.0 72.0  
63 36.8 26.5 39.7



#6  
Aniline  
Concen: 4.659 ng  
RT: 7.468 min Scan# 694  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion: 93 Resp: 18740  
Ion Ratio Lower Upper  
93 100  
66 39.2 31.3 46.9  
65 25.0 16.7 25.1

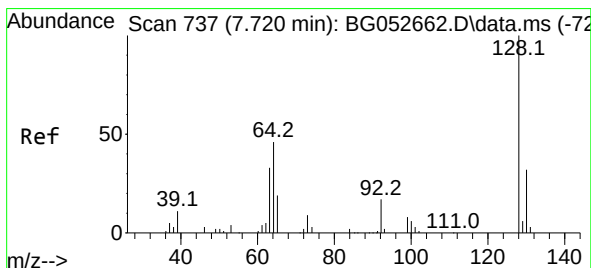
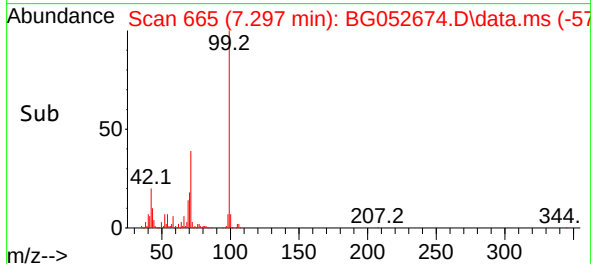
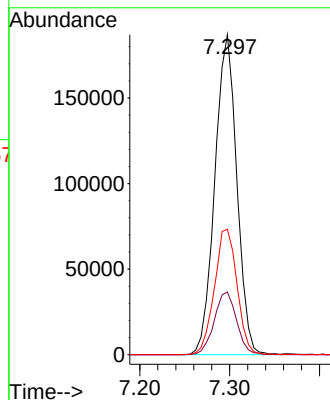
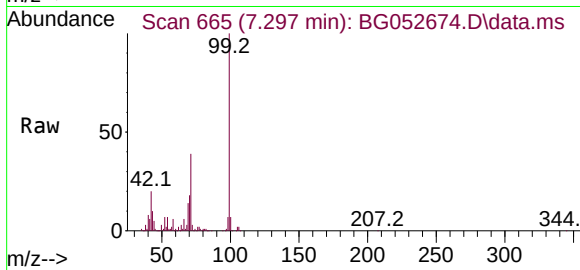




#7  
Phenol-d6  
Concen: 92.595 ng  
RT: 7.297 min Scan# 665  
Delta R.T. 0.001 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

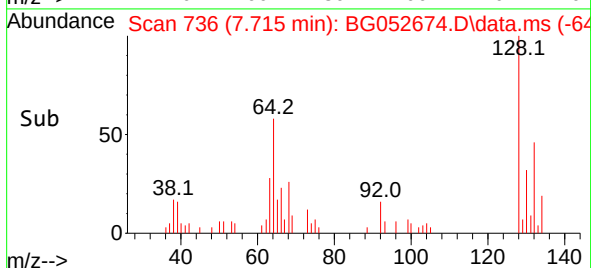
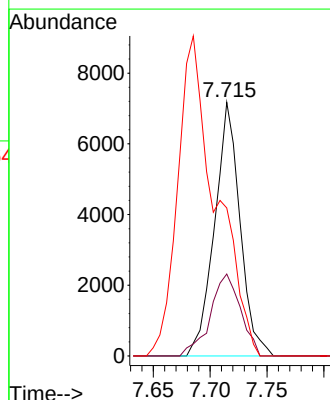
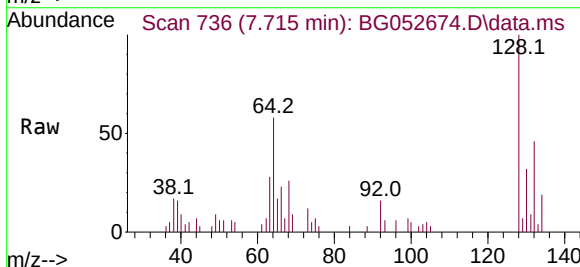
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

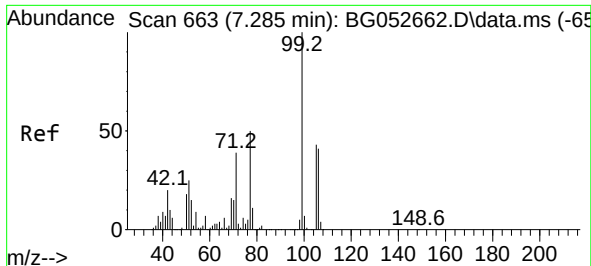
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Ion Ratio Lower Upper  
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42 19.6 14.7 22.1  
71 39.2 29.2 43.8



#8  
2-Chlorophenol  
Concen: 4.673 ng  
RT: 7.715 min Scan# 736  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion: 128 Resp: 11173  
Ion Ratio Lower Upper  
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130 32.3 13.4 53.4  
64 58.3 30.9 70.9

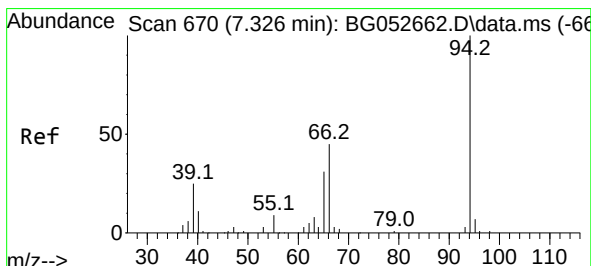
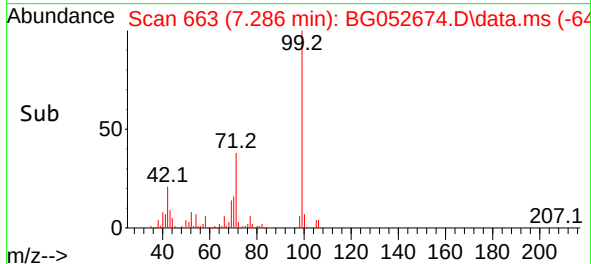
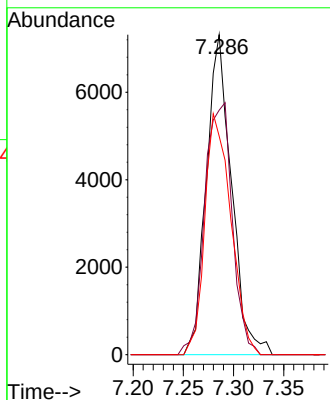
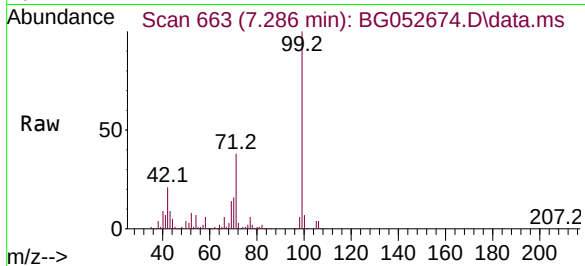




#9  
Benzaldehyde  
Concen: 6.042 ng  
RT: 7.286 min Scan# 60  
Delta R.T. 0.001 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

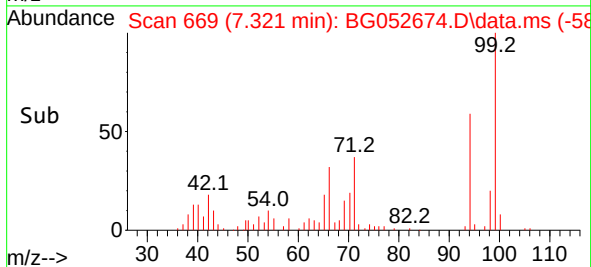
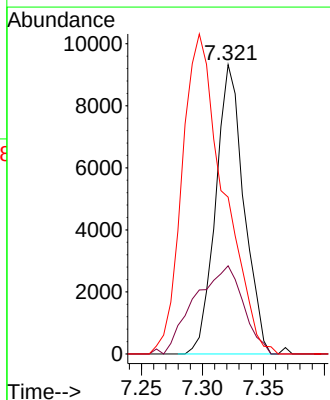
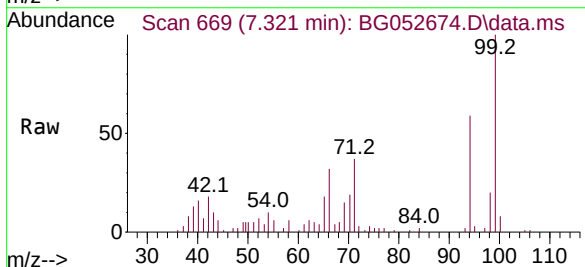
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

Tgt Ion: 77 Resp: 12729  
Ion Ratio Lower Upper  
77 100  
105 76.4 70.6 110.6  
106 68.3 67.6 107.6

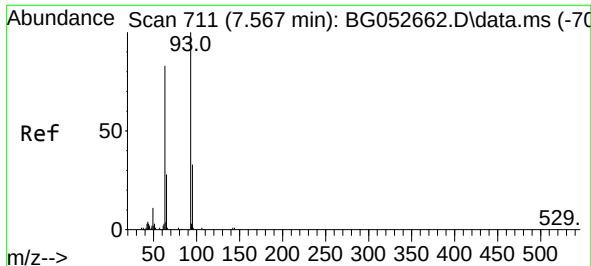


#10  
Phenol  
Concen: 4.436 ng  
RT: 7.321 min Scan# 669  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion: 94 Resp: 15020  
Ion Ratio Lower Upper  
94 100  
65 30.5 11.1 51.1  
66 54.2 20.0 60.0



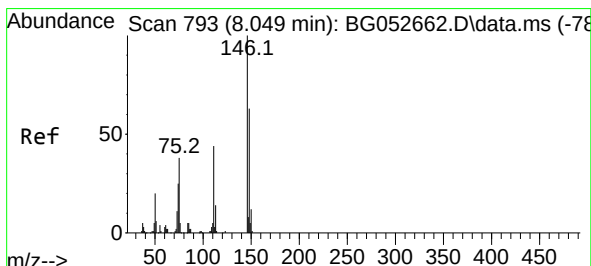
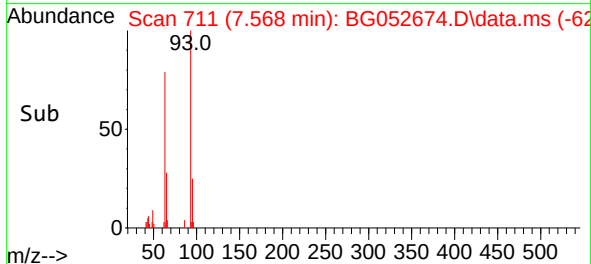
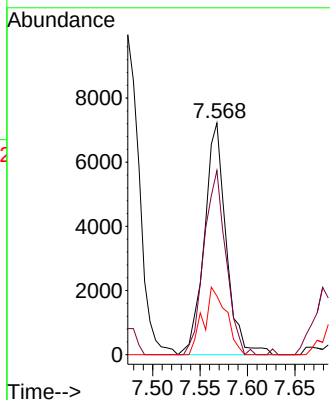
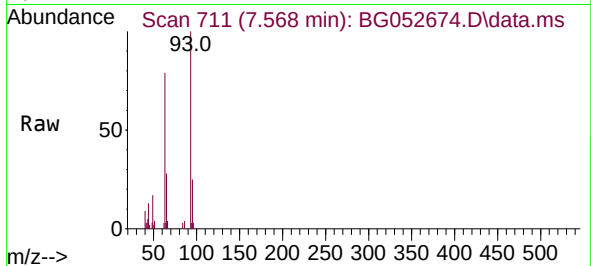




#11  
bis(2-Chloroethyl)ether  
Concen: 4.513 ng  
RT: 7.568 min Scan# 711  
Delta R.T. 0.001 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

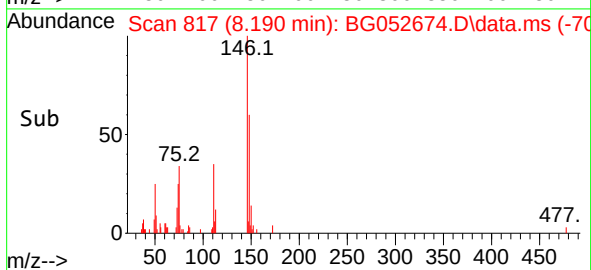
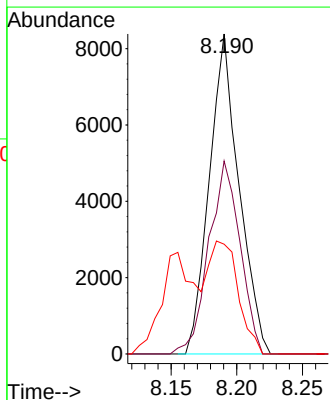
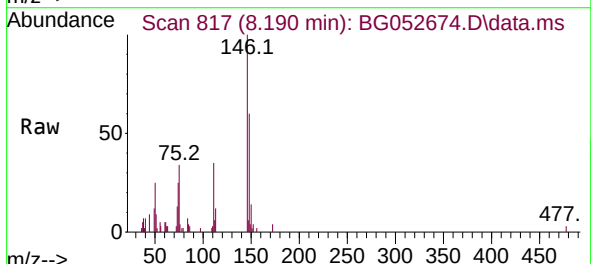
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

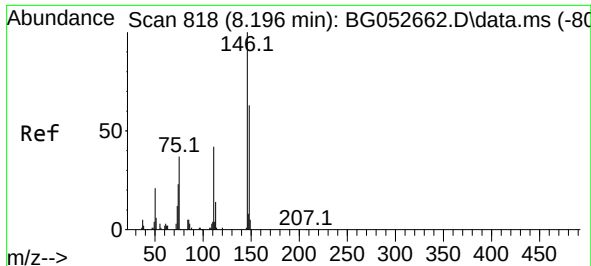
|             |             |
|-------------|-------------|
| Tgt Ion: 93 | Resp: 11539 |
| Ion Ratio   | Lower Upper |
| 93 100      |             |
| 63 79.4     | 56.9 96.9   |
| 95 25.3     | 14.5 54.5   |



#12  
1,3-Dichlorobenzene  
Concen: 4.579 ng  
RT: 8.190 min Scan# 817  
Delta R.T. 0.141 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

|              |             |
|--------------|-------------|
| Tgt Ion: 146 | Resp: 13182 |
| Ion Ratio    | Lower Upper |
| 146 100      |             |
| 148 60.3     | 50.6 76.0   |
| 75 34.3      | 25.9 38.9   |

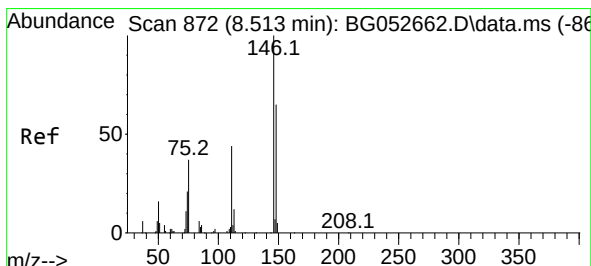
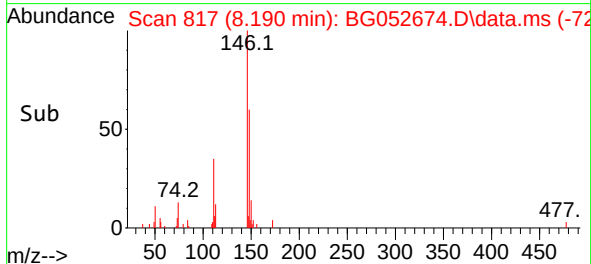
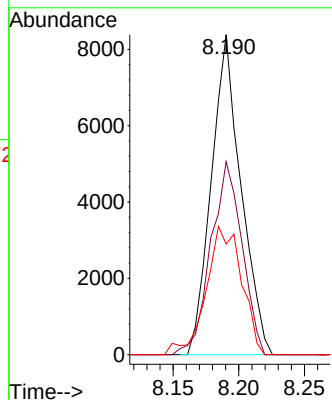
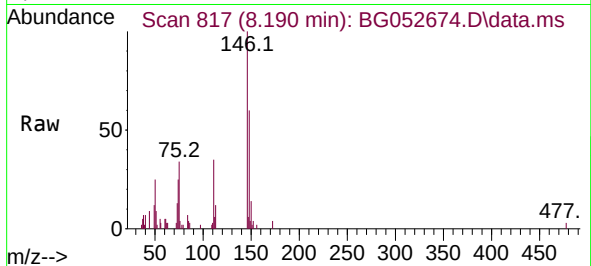




#13  
1,4-Dichlorobenzene  
Concen: 4.558 ng  
RT: 8.190 min Scan# 818  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

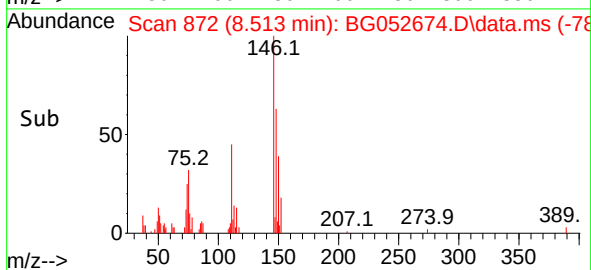
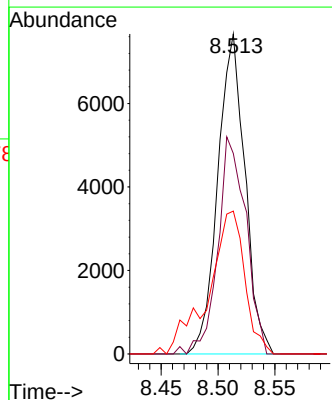
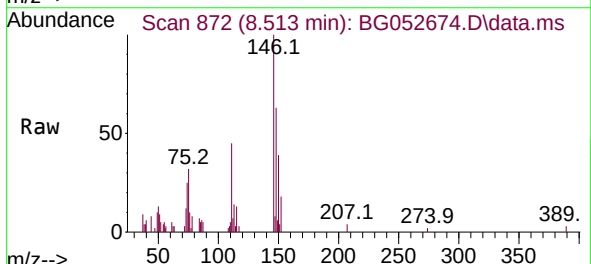
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

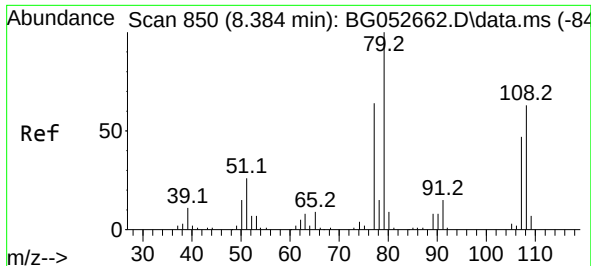
Tgt Ion:146 Resp: 13182  
Ion Ratio Lower Upper  
146 100  
148 60.3 50.0 75.0  
111 34.6 31.0 46.4



#14  
1,2-Dichlorobenzene  
Concen: 4.654 ng  
RT: 8.513 min Scan# 872  
Delta R.T. 0.001 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion:146 Resp: 12730  
Ion Ratio Lower Upper  
146 100  
148 62.6 51.0 76.6  
111 44.7 34.7 52.1

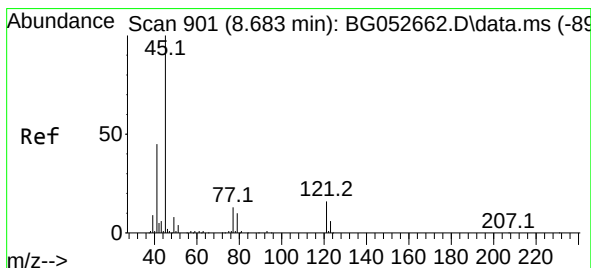
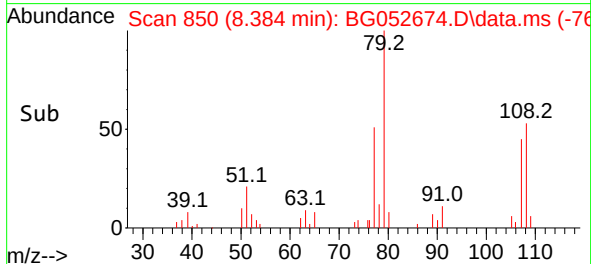
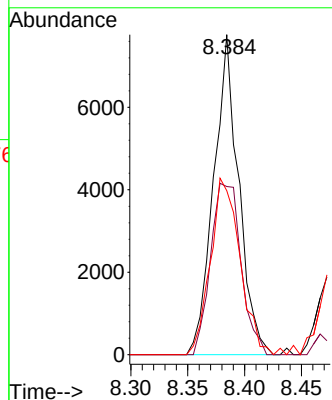
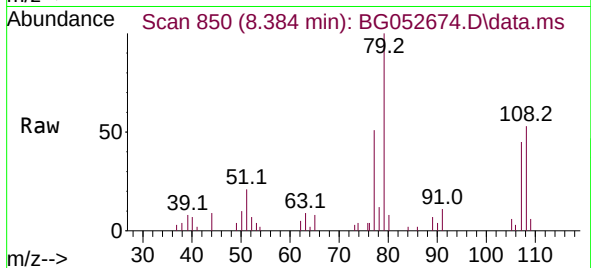




#15  
Benzyl Alcohol  
Concen: 4.112 ng  
RT: 8.384 min Scan# 811  
Delta R.T. 0.001 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

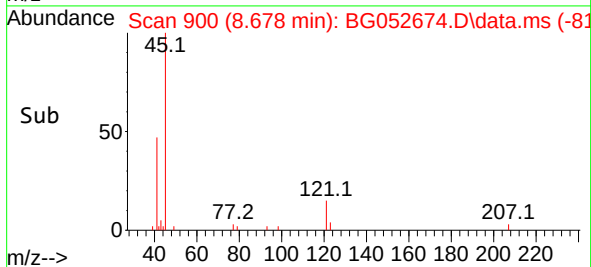
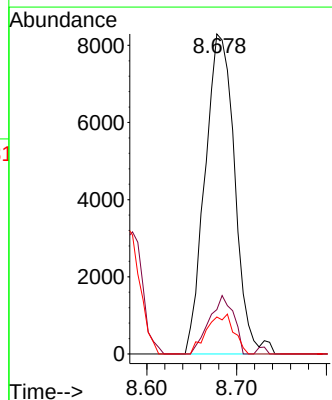
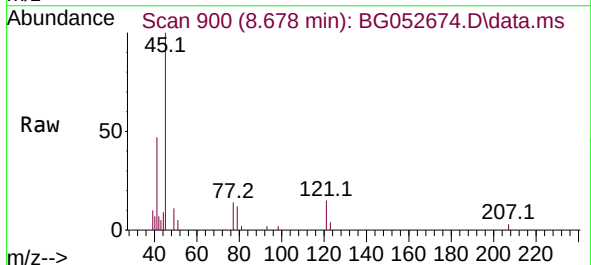
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

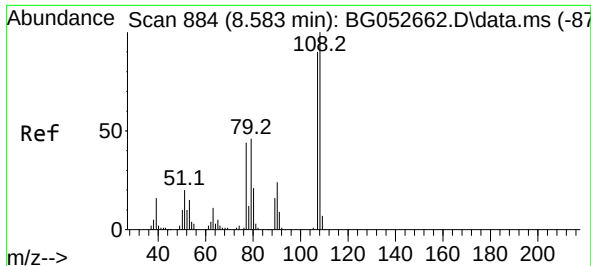
Tgt Ion: 79 Resp: 11875  
Ion Ratio Lower Upper  
79 100  
108 52.6 55.1 82.7#  
77 51.3 52.4 78.6#



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 4.272 ng  
RT: 8.678 min Scan# 900  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion: 45 Resp: 19022  
Ion Ratio Lower Upper  
45 100  
77 13.8 0.0 34.9  
79 11.5 0.0 30.7





#17

2-Methylphenol

Concen: 4.415 ng

RT: 8.584 min Scan# 884

Delta R.T. 0.001 min

Lab File: BG052674.D

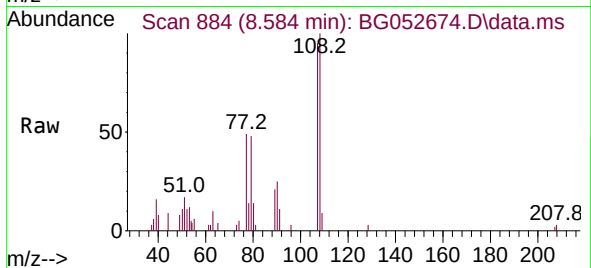
Acq: 16 Mar 2022 11:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT1-2022



Tgt Ion:107 Resp: 9966

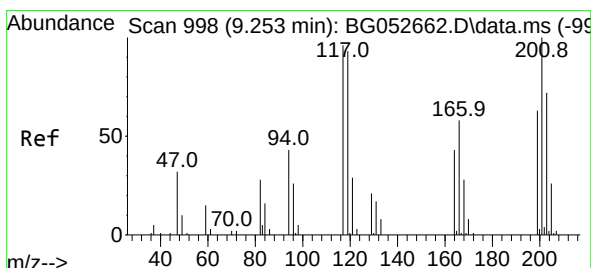
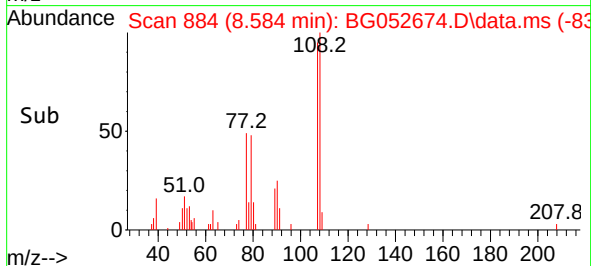
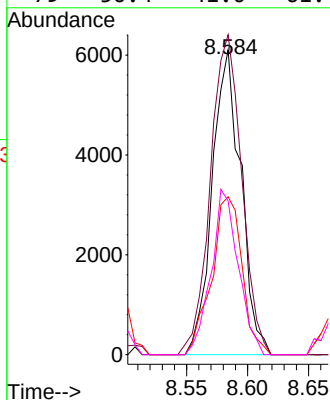
Ion Ratio Lower Upper

107 100

108 104.9 91.5 137.3

77 51.8 42.5 63.7

79 50.4 41.0 61.4



#18

Hexachloroethane

Concen: 4.476 ng

RT: 9.254 min Scan# 998

Delta R.T. 0.000 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

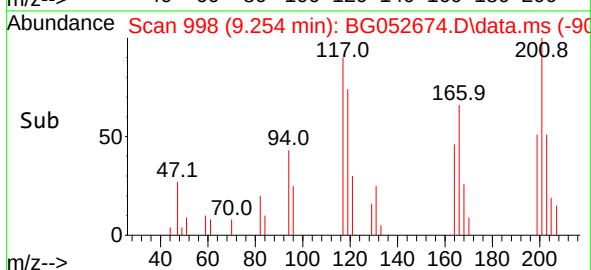
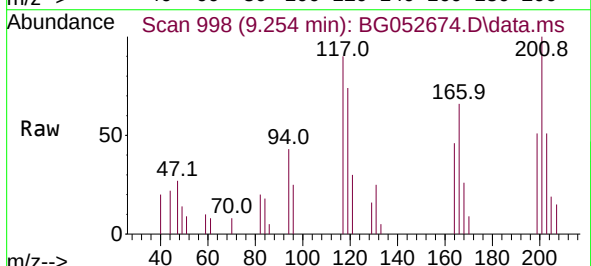
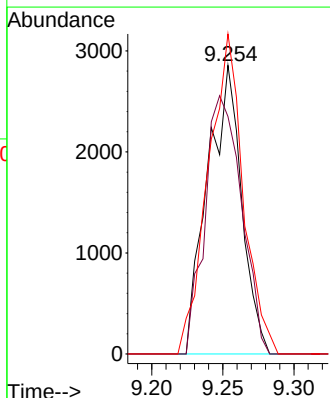
Tgt Ion:117 Resp: 4750

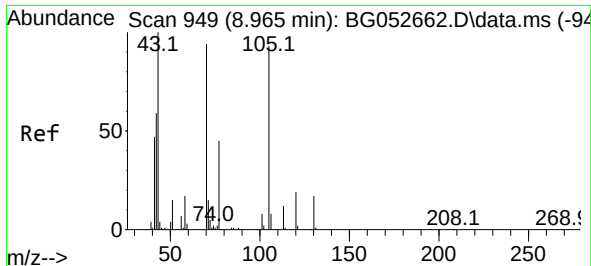
Ion Ratio Lower Upper

117 100

119 82.3 75.1 112.7

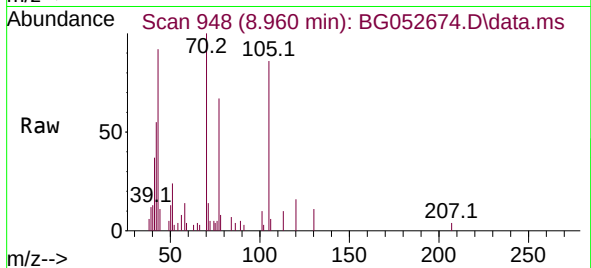
201 110.9 96.6 145.0



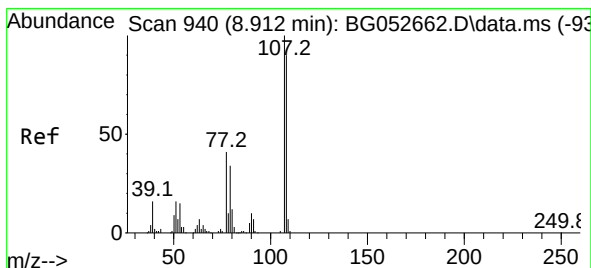
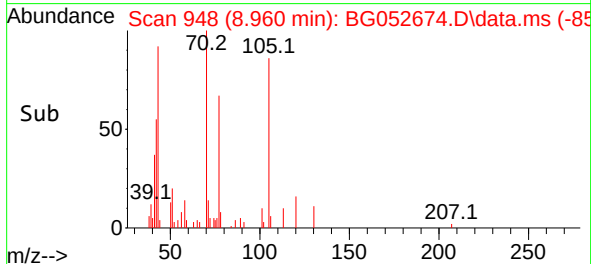
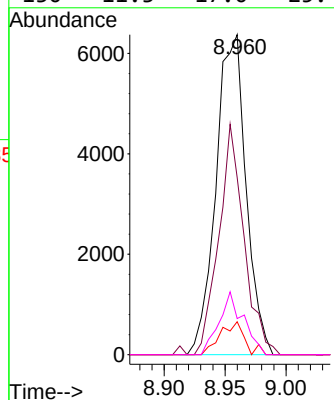


#19  
n-Nitroso-di-n-propylamine  
Concen: 4.500 ng  
RT: 8.960 min Scan# 949  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

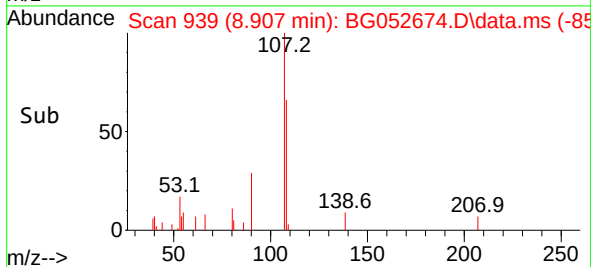
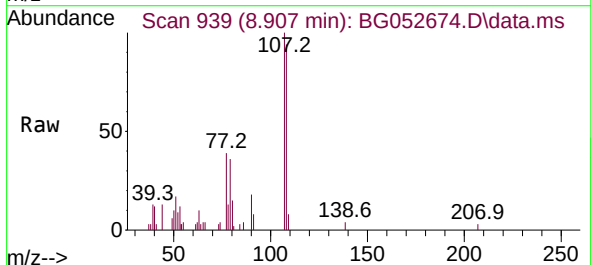
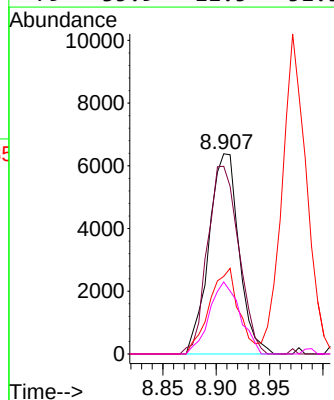


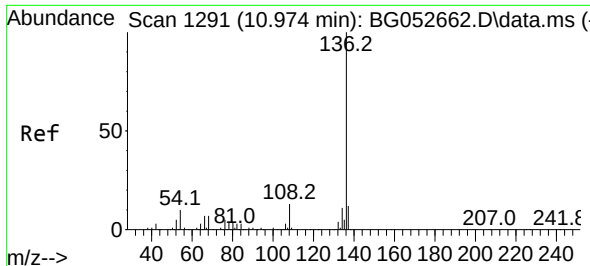
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 10933 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 55.4  | 46.0  | 69.0  |
| 101      | 10.3  | 6.2   | 9.4#  |
| 130      | 11.3  | 17.0  | 25.4# |



#20  
3+4-Methylphenols  
Concen: 3.977 ng  
RT: 8.907 min Scan# 939  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 12564 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 93.8  | 64.8  | 104.8 |
| 77       | 38.7  | 15.9  | 55.9  |
| 79       | 35.9  | 11.5  | 51.5  |

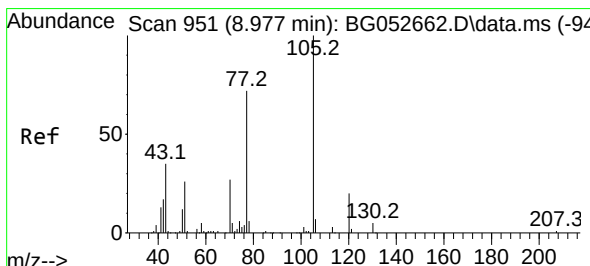
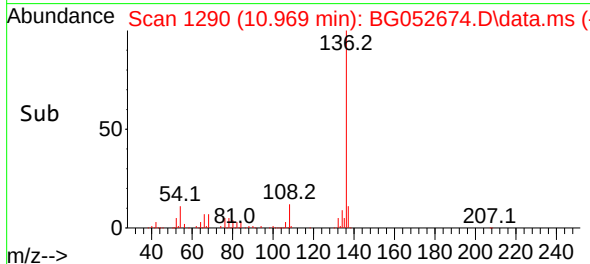
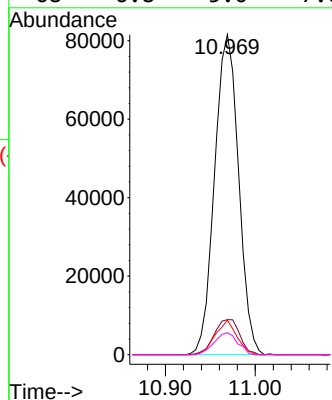
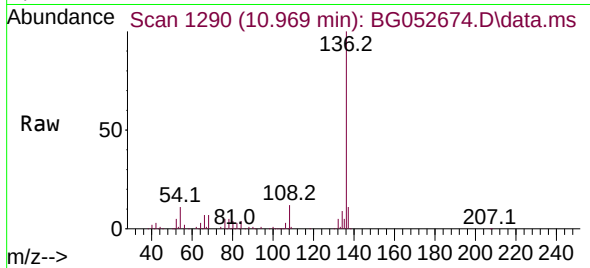




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.969 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

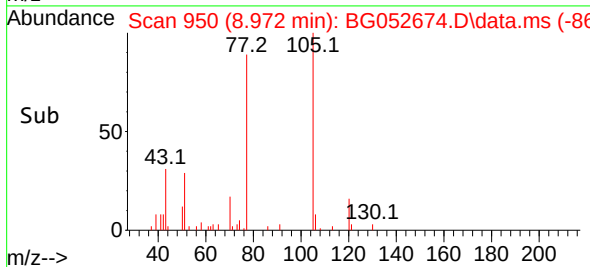
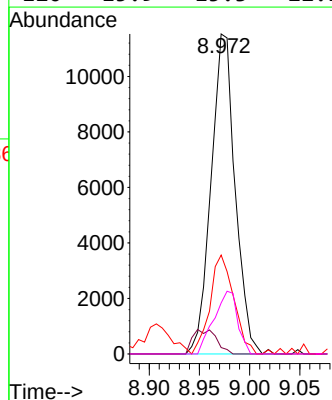
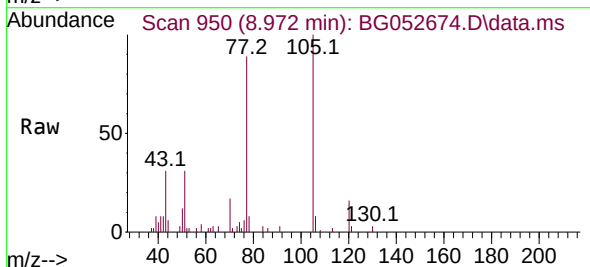
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

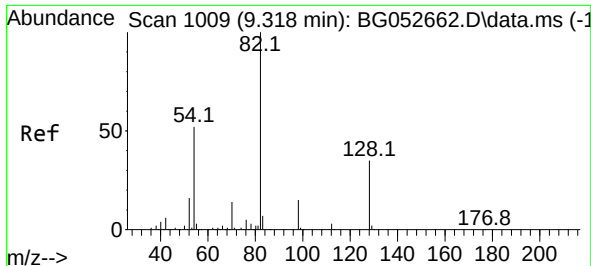
Tgt Ion:136 Resp: 151143  
Ion Ratio Lower Upper  
136 100  
137 10.9 9.4 14.2  
54 10.8 6.4 9.6#  
68 6.8 5.0 7.6



#22  
Acetophenone  
Concen: 4.922 ng  
RT: 8.972 min Scan# 950  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion:105 Resp: 19253  
Ion Ratio Lower Upper  
105 100  
71 2.0 2.1 3.1#  
51 30.9 21.9 32.9  
120 15.9 15.3 22.9





#23

Nitrobenzene-d5

Concen: 71.796 ng

RT: 9.312 min Scan# 1008

Delta R.T. -0.005 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT1-2022

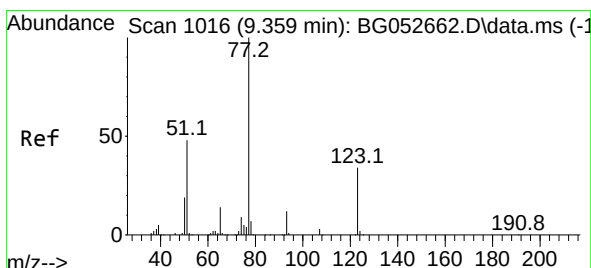
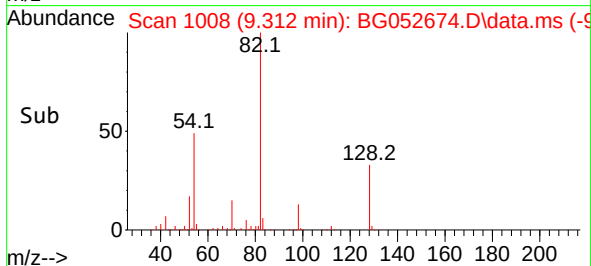
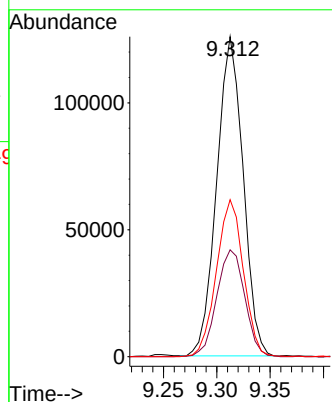
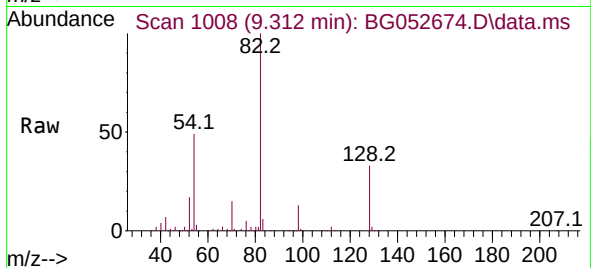
Tgt Ion: 82 Resp: 216206

Ion Ratio Lower Upper

82 100

128 33.4 31.3 46.9

54 49.1 37.8 56.8



#24

Nitrobenzene

Concen: 5.316 ng

RT: 9.353 min Scan# 1015

Delta R.T. -0.005 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

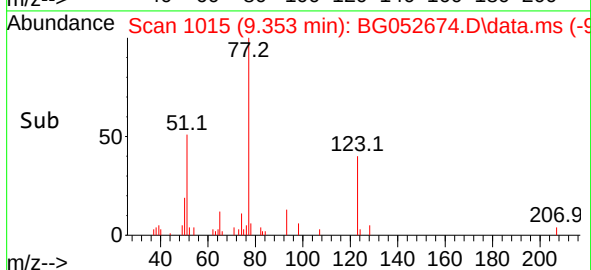
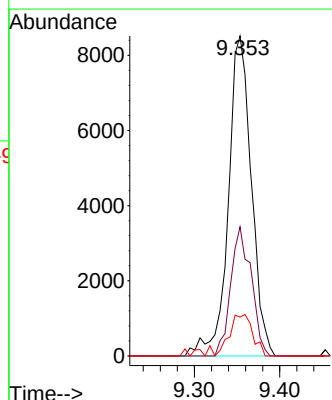
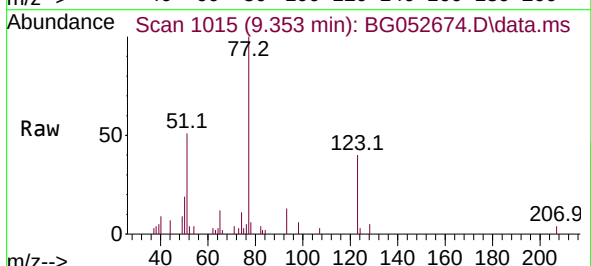
Tgt Ion: 77 Resp: 16019

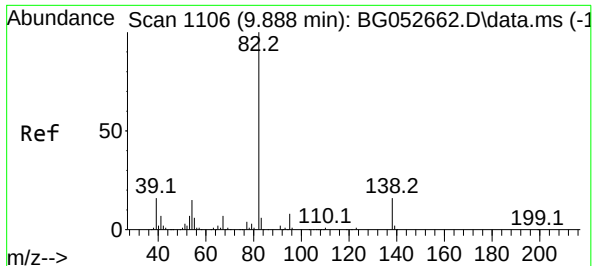
Ion Ratio Lower Upper

77 100

123 40.4 34.4 51.6

65 12.1 11.2 16.8

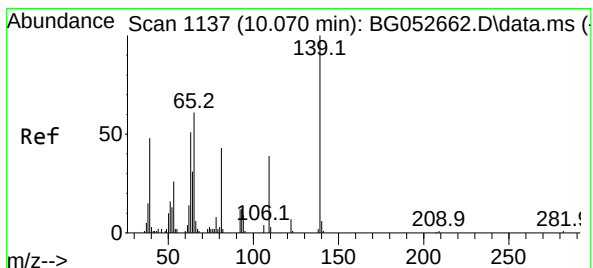
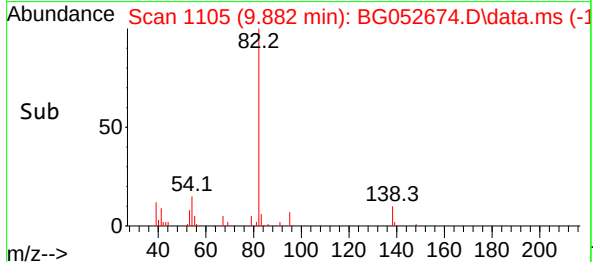
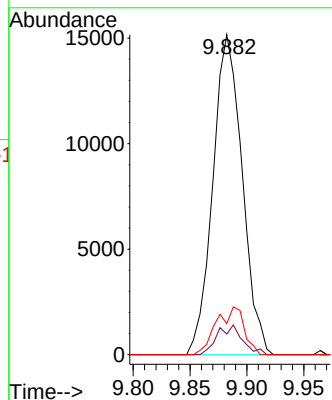
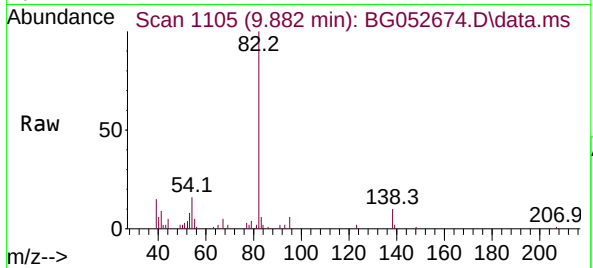




#25  
Isophorone  
Concen: 4.665 ng  
RT: 9.882 min Scan# 1106  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

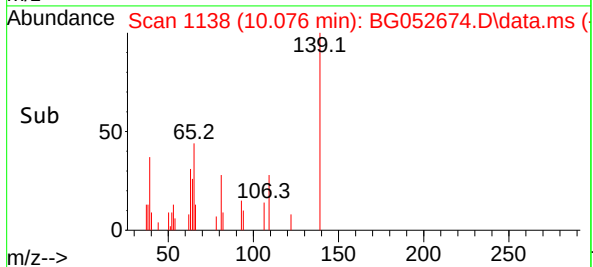
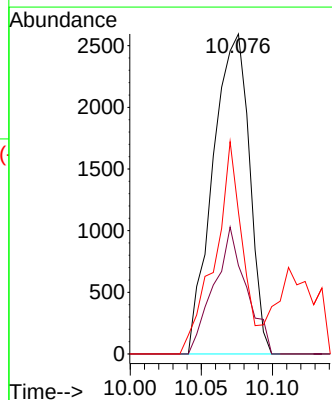
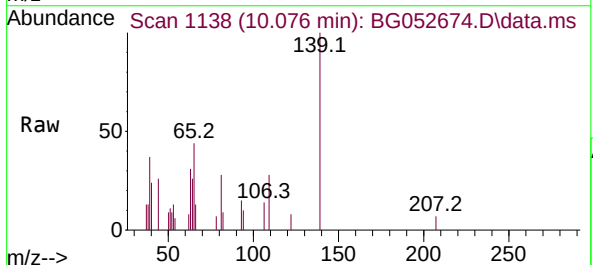
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

Tgt Ion: 82 Resp: 27204  
Ion Ratio Lower Upper  
82 100  
95 6.4 5.8 8.6  
138 9.7 12.6 18.8#

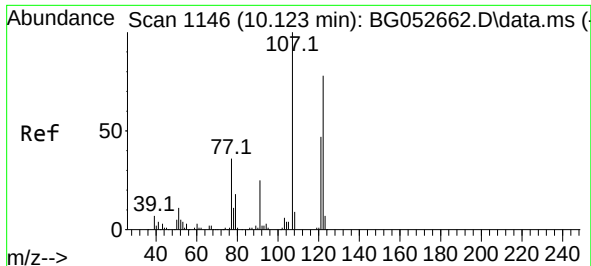


#26  
2-Nitrophenol  
Concen: 4.431 ng  
RT: 10.076 min Scan# 1138  
Delta R.T. 0.006 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion: 139 Resp: 4636  
Ion Ratio Lower Upper  
139 100  
109 27.6 29.4 44.0#  
65 44.4 48.2 72.2#



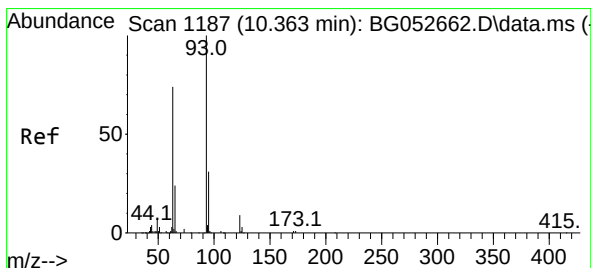
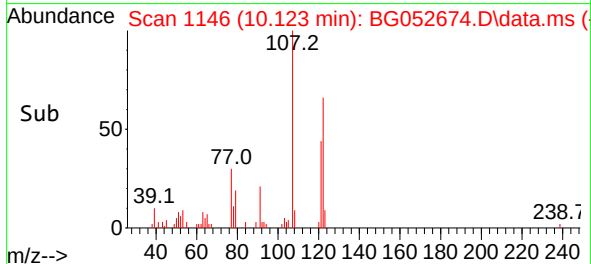
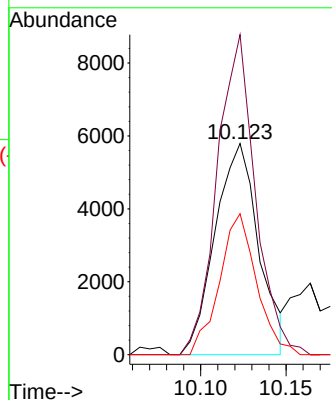
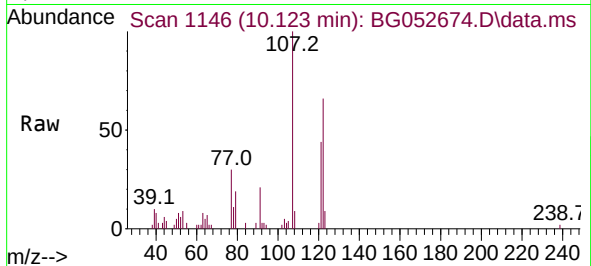




#27  
2,4-Dimethylphenol  
Concen: 4.808 ng  
RT: 10.123 min Scan# 1146  
Delta R.T. 0.001 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

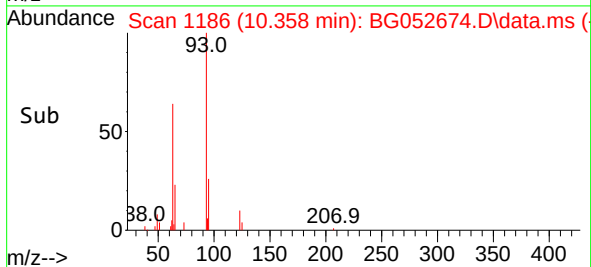
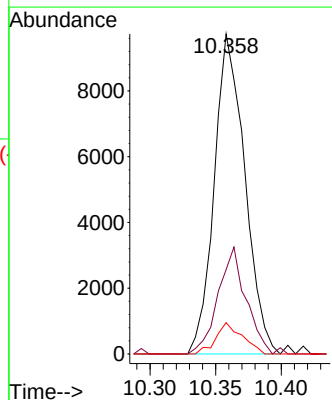
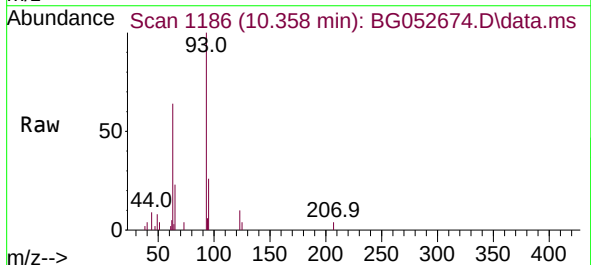
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

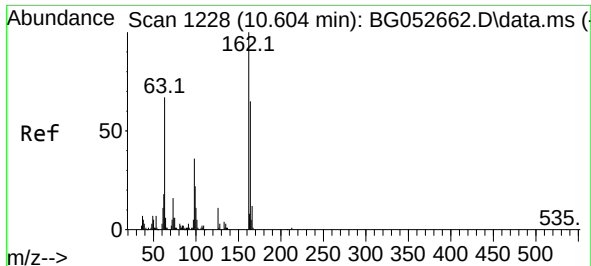
Tgt Ion:122 Resp: 10292  
Ion Ratio Lower Upper  
122 100  
107 151.5 96.7 145.1#  
121 66.8 46.3 69.5



#28  
bis(2-Chloroethoxy)methane  
Concen: 4.566 ng  
RT: 10.358 min Scan# 1186  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion: 93 Resp: 15742  
Ion Ratio Lower Upper  
93 100  
95 26.3 26.5 39.7#  
123 9.8 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 4.066 ng

RT: 10.605 min Scan# 1228

Delta R.T. 0.001 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT1-2022

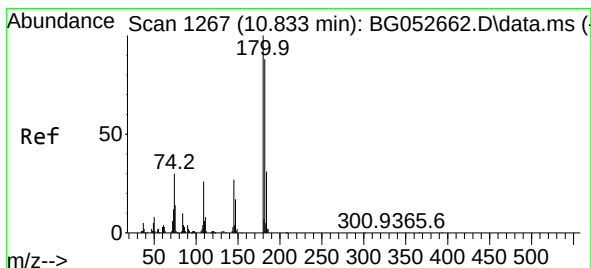
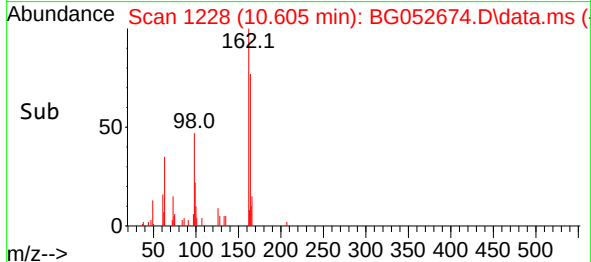
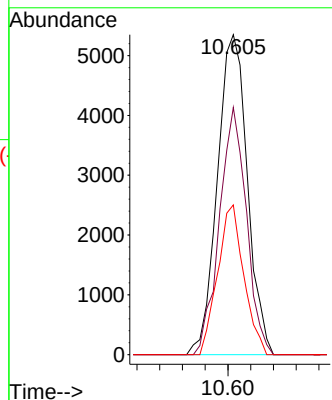
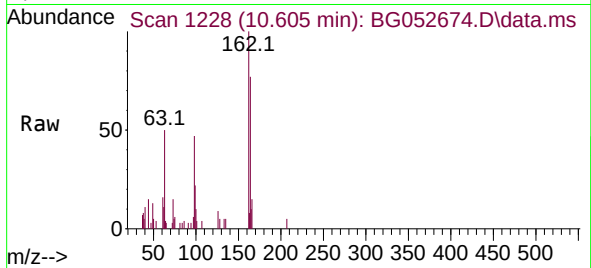
Tgt Ion:162 Resp: 9794

Ion Ratio Lower Upper

162 100

164 77.2 44.0 84.0

98 46.8 17.3 57.3



#30

1,2,4-Trichlorobenzene

Concen: 5.085 ng

RT: 10.828 min Scan# 1266

Delta R.T. -0.005 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

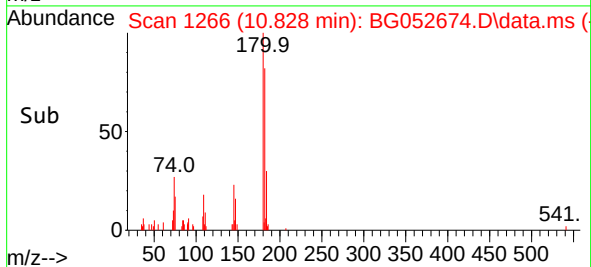
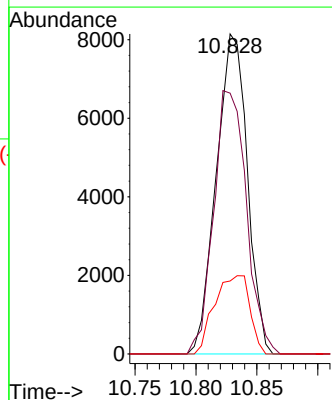
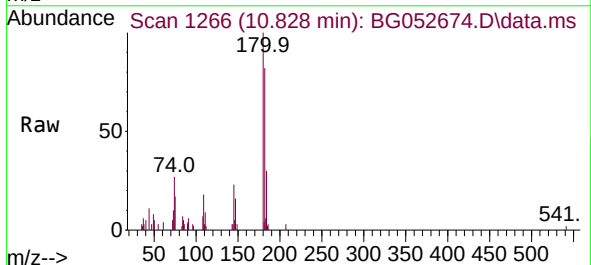
Tgt Ion:180 Resp: 14448

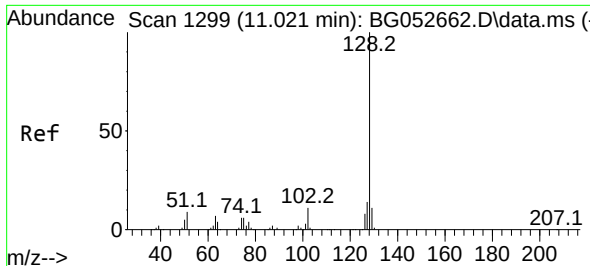
Ion Ratio Lower Upper

180 100

182 81.5 77.8 116.6

145 22.8 24.4 36.6#

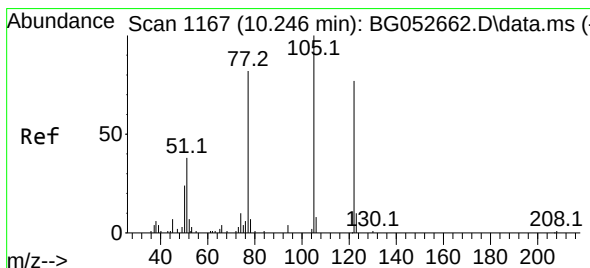
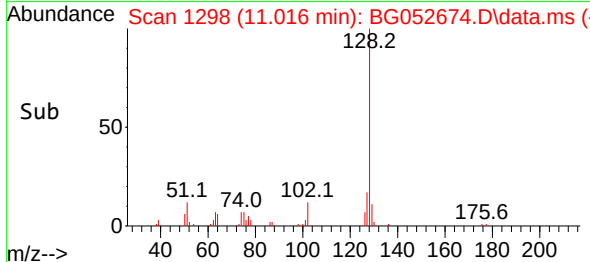
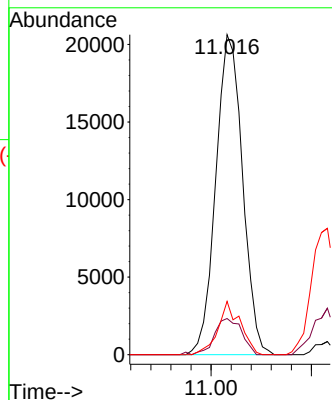
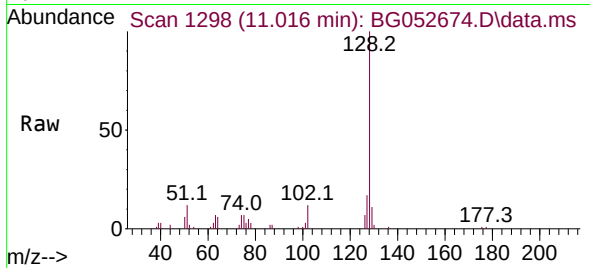




#31  
Naphthalene  
Concen: 4.874 ng  
RT: 11.016 min Scan# 1153  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

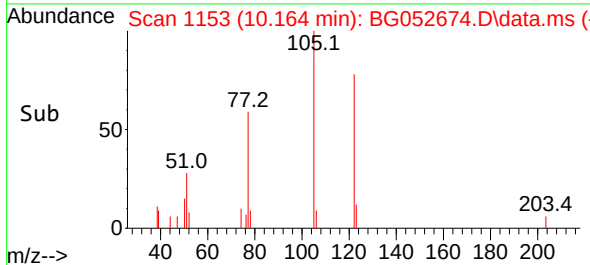
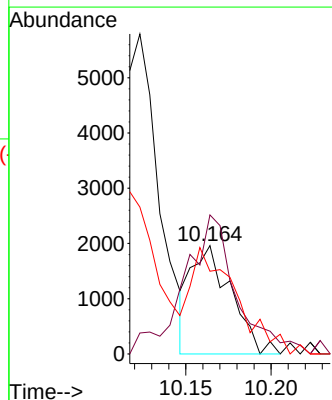
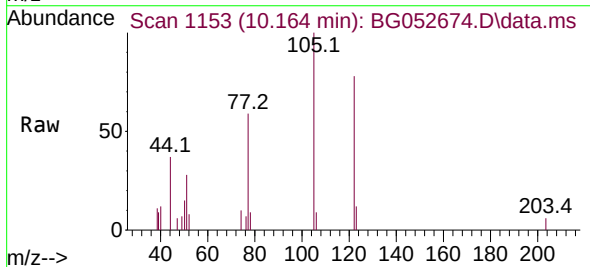
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

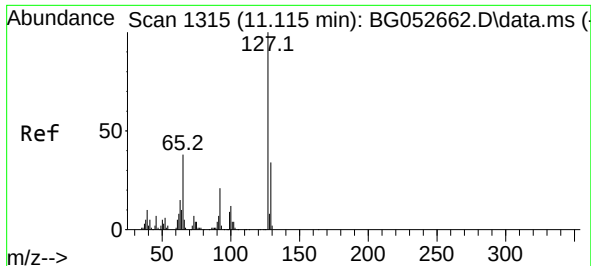
Tgt Ion:128 Resp: 38092  
Ion Ratio Lower Upper  
128 100  
129 11.3 8.8 13.2  
127 16.7 10.5 15.7#



#32  
Benzoic acid  
Concen: 2.241 ng  
RT: 10.164 min Scan# 1153  
Delta R.T. -0.082 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion:122 Resp: 3224  
Ion Ratio Lower Upper  
122 100  
105 128.3 112.8 152.8  
77 76.4 78.4 118.4#

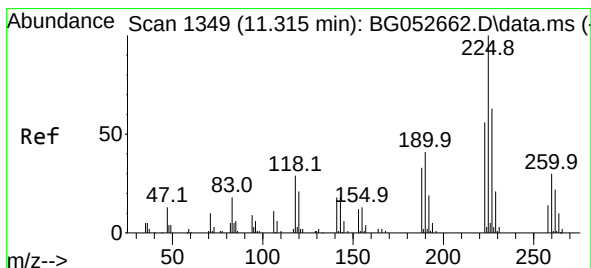
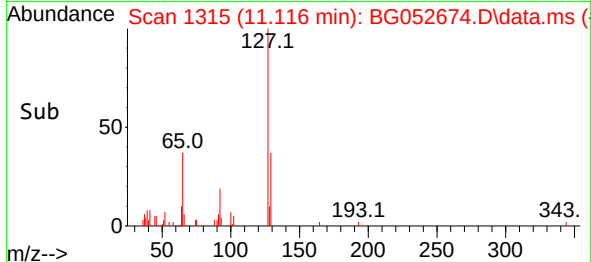
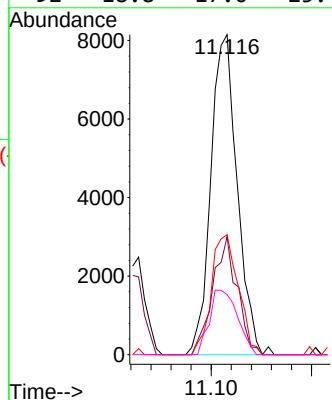
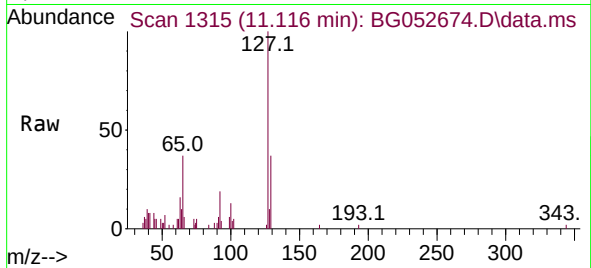




#33  
4-Chloroaniline  
Concen: 4.485 ng  
RT: 11.116 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

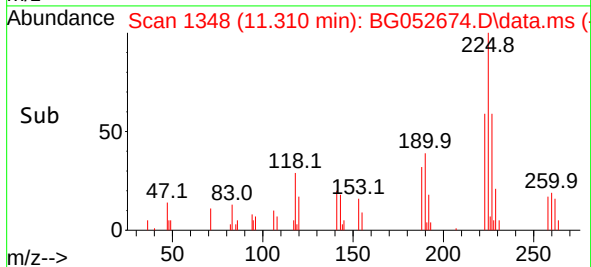
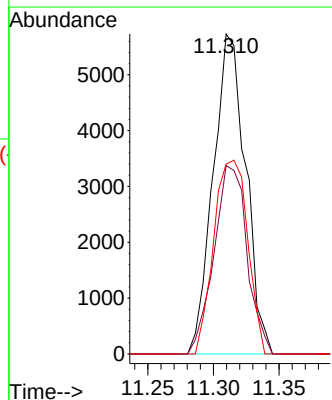
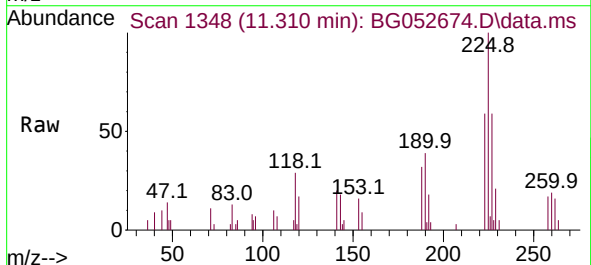
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

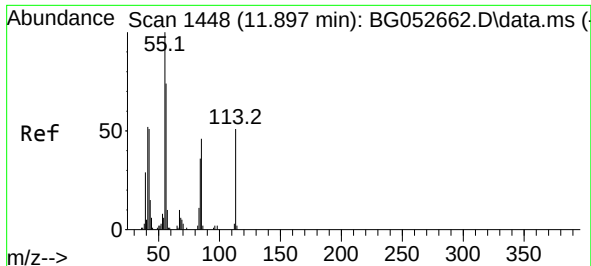
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 14856 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 36.9  | 27.6  | 41.4  |
| 65       | 37.5  | 28.2  | 42.4  |
| 92       | 18.8  | 17.0  | 25.4  |



#34  
Hexachlorobutadiene  
Concen: 4.826 ng  
RT: 11.310 min Scan# 1348  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

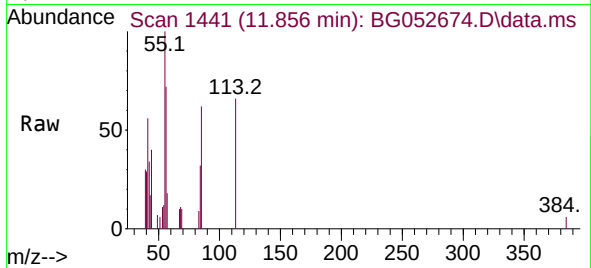
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 9833  |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 58.8  | 50.2  | 75.2  |
| 227      | 59.4  | 52.0  | 78.0  |



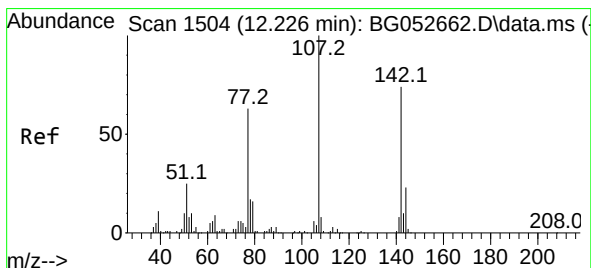
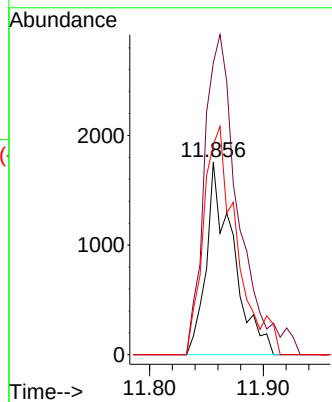
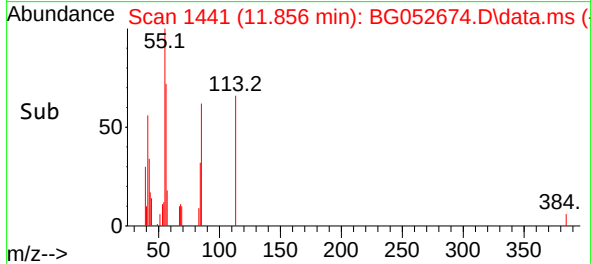


#35  
Caprolactam  
Concen: 4.391 ng  
RT: 11.856 min Scan# 14  
Delta R.T. -0.041 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

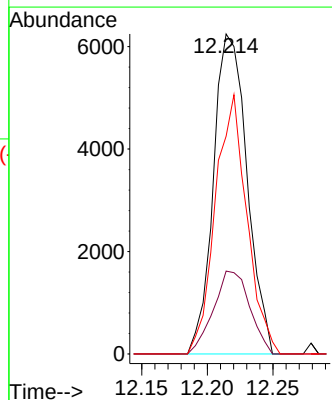
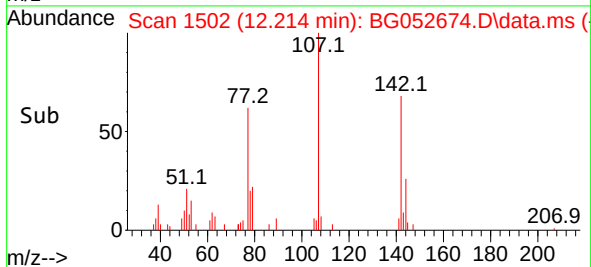
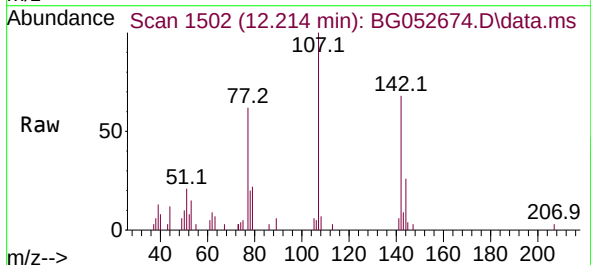


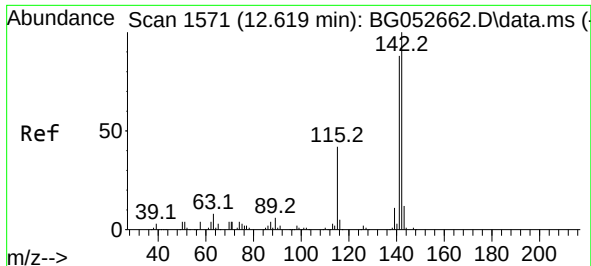
Tgt Ion:113 Resp: 2888  
Ion Ratio Lower Upper  
113 100  
55 151.5 151.3 191.3  
56 108.9 128.5 168.5#



#36  
4-Chloro-3-methylphenol  
Concen: 3.981 ng  
RT: 12.214 min Scan# 1502  
Delta R.T. -0.011 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion:107 Resp: 11136  
Ion Ratio Lower Upper  
107 100  
144 25.9 21.4 32.0  
142 68.1 61.7 92.5

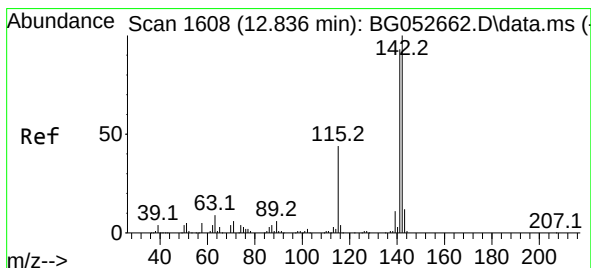
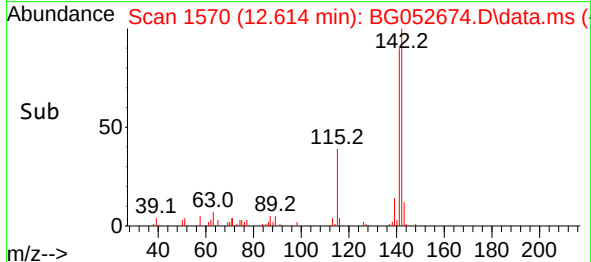
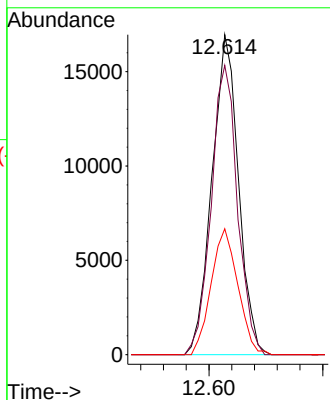
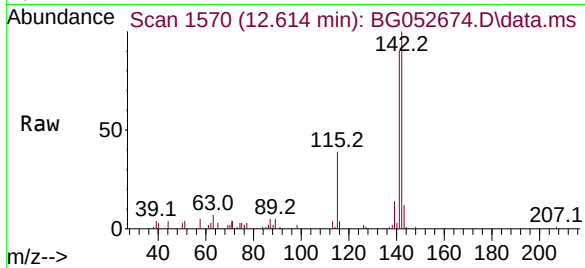




#37  
2-Methylnaphthalene  
Concen: 4.792 ng  
RT: 12.614 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

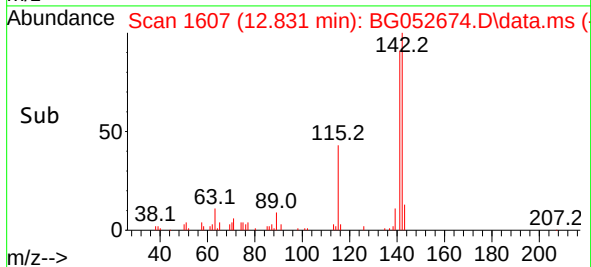
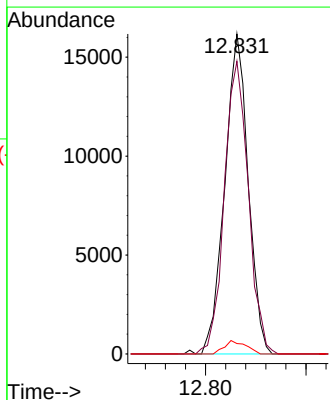
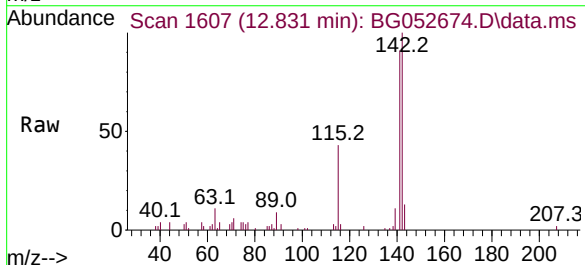
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

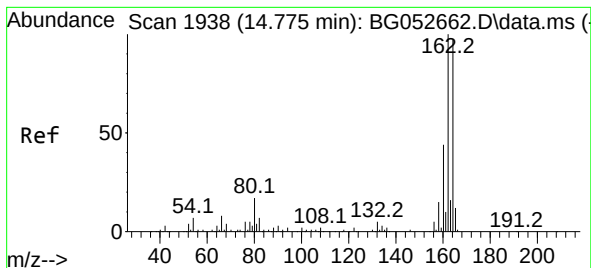
Tgt Ion:142 Resp: 27430  
Ion Ratio Lower Upper  
142 100  
141 90.4 71.3 106.9  
115 39.4 29.5 44.3



#38  
1-Methylnaphthalene  
Concen: 4.710 ng  
RT: 12.831 min Scan# 1607  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion:142 Resp: 26313  
Ion Ratio Lower Upper  
142 100  
141 91.4 70.5 105.7  
116 3.2 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.776 min Scan# 1938

Delta R.T. 0.001 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT1-2022

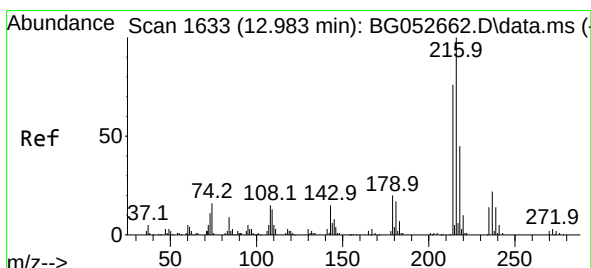
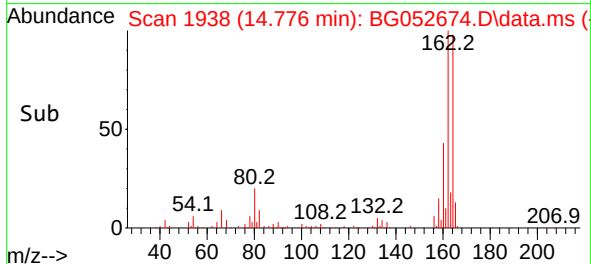
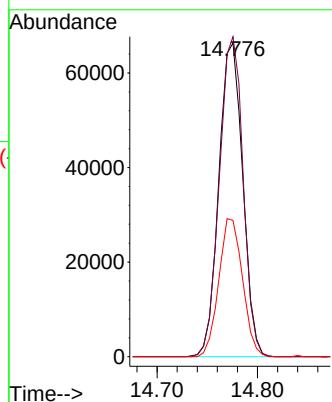
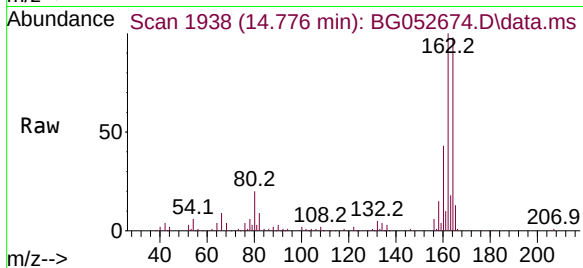
Tgt Ion:164 Resp: 109619

Ion Ratio Lower Upper

164 100

162 102.0 80.0 120.0

160 43.4 38.8 58.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.913 ng

RT: 12.978 min Scan# 1632

Delta R.T. -0.005 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

Tgt Ion:216 Resp: 16825

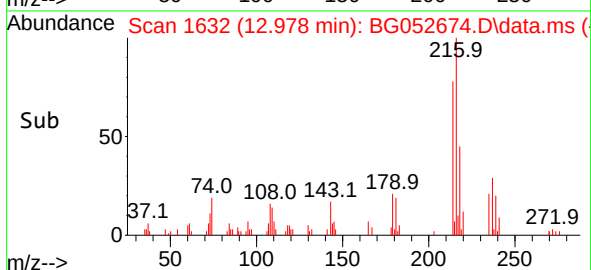
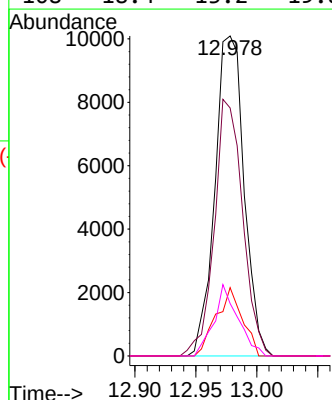
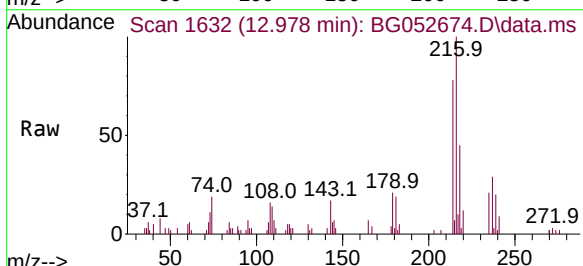
Ion Ratio Lower Upper

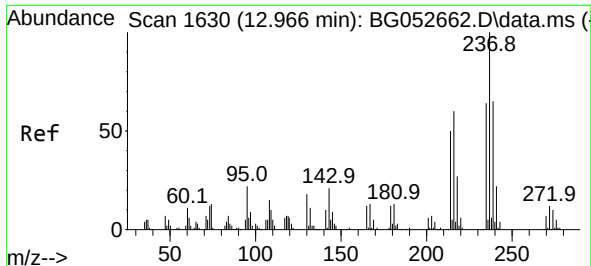
216 100

214 77.6 63.8 95.6

179 19.3 15.7 23.5

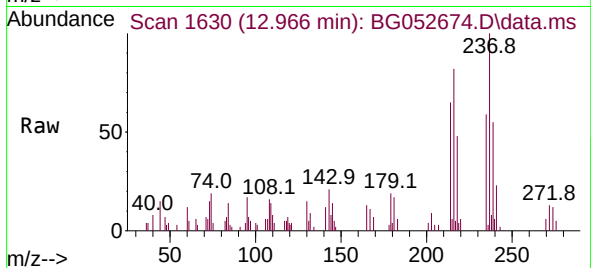
108 18.4 13.2 19.8



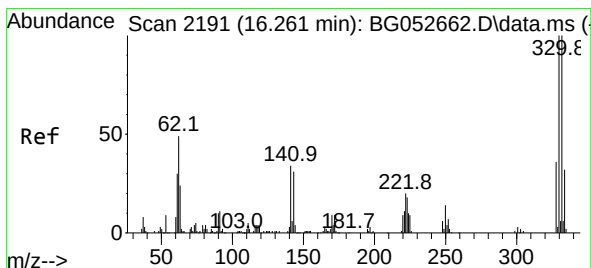
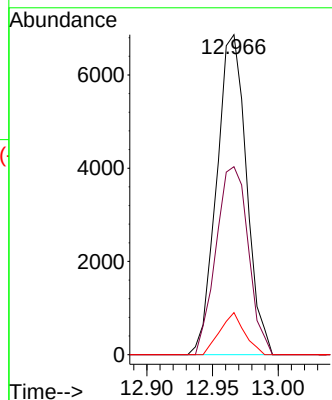
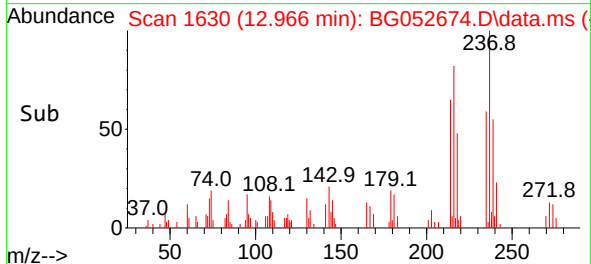


#41  
Hexachlorocyclopentadiene  
Concen: 5.340 ng  
RT: 12.966 min Scan# 1  
Delta R.T. 0.001 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

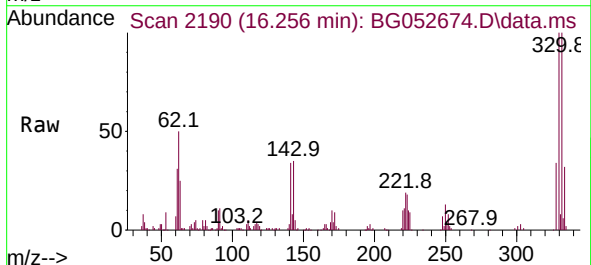
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022



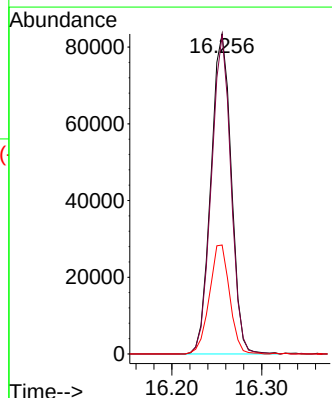
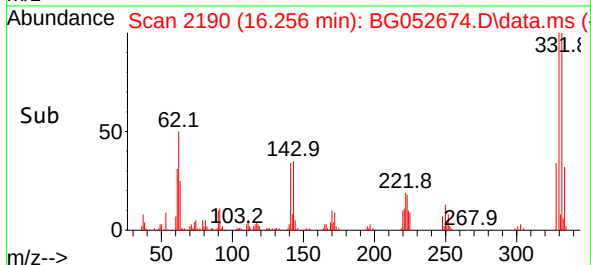
Tgt Ion:237 Resp: 10840  
Ion Ratio Lower Upper  
237 100  
235 58.8 37.7 77.7  
272 13.2 0.0 30.7



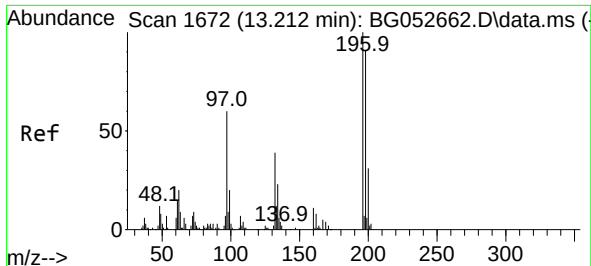
#42  
2,4,6-Tribromophenol  
Concen: 89.041 ng  
RT: 16.256 min Scan# 2190  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01



Tgt Ion:330 Resp: 131156  
Ion Ratio Lower Upper  
330 100  
332 95.8 75.8 113.6  
141 33.9 24.6 36.8



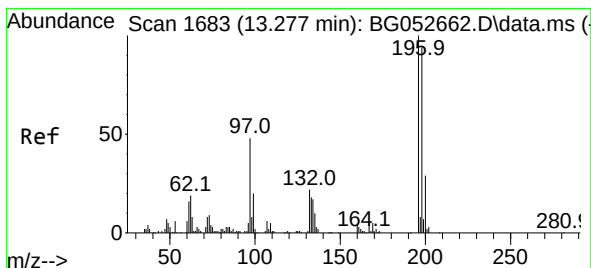
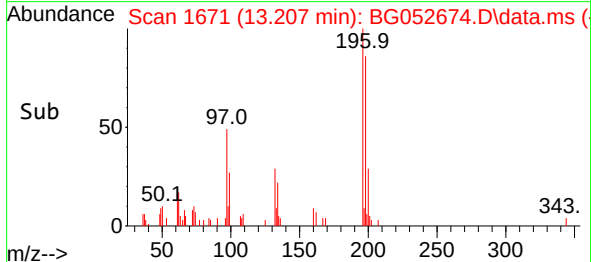
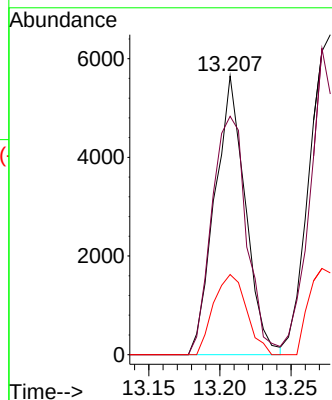
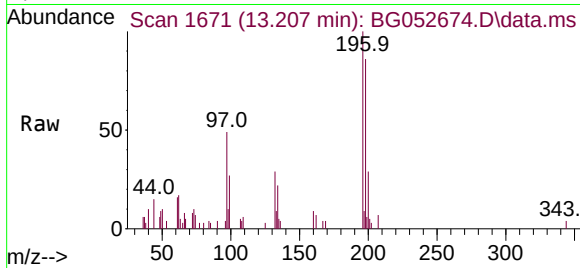




#43  
2,4,6-Trichlorophenol  
Concen: 3.857 ng  
RT: 13.207 min Scan# 1671  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

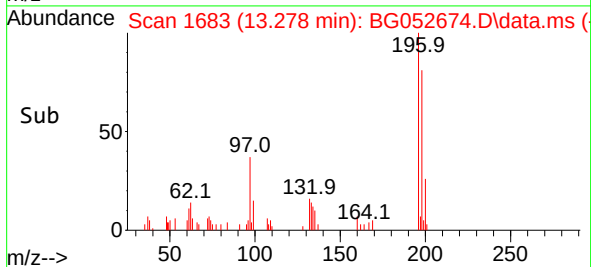
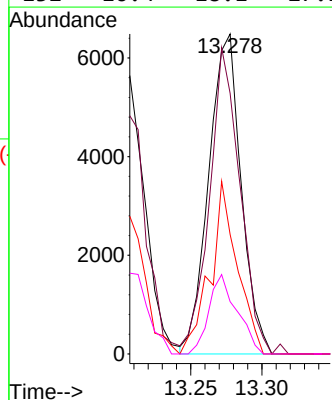
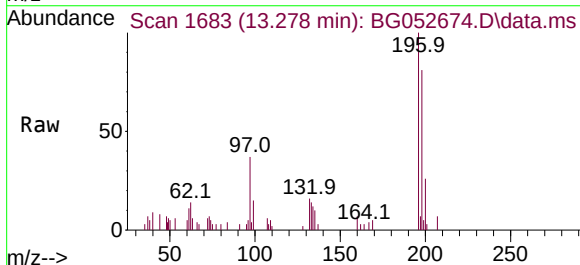
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

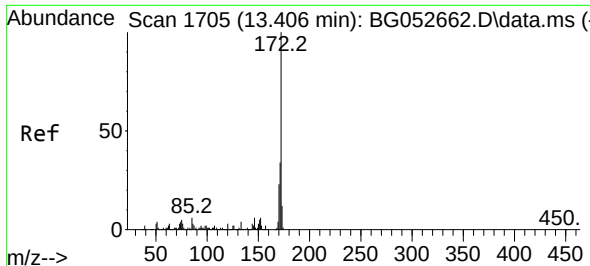
Tgt Ion:196 Resp: 8459  
Ion Ratio Lower Upper  
196 100  
198 85.5 78.8 118.2  
200 28.8 25.1 37.7



#44  
2,4,5-Trichlorophenol  
Concen: 4.620 ng  
RT: 13.278 min Scan# 1683  
Delta R.T. 0.001 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion:196 Resp: 10284  
Ion Ratio Lower Upper  
196 100  
198 81.4 75.8 113.6  
97 37.3 36.5 54.7  
132 16.4 18.1 27.1#

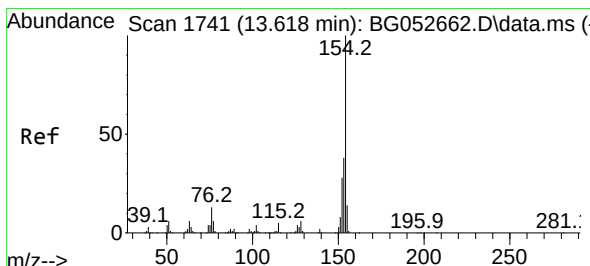
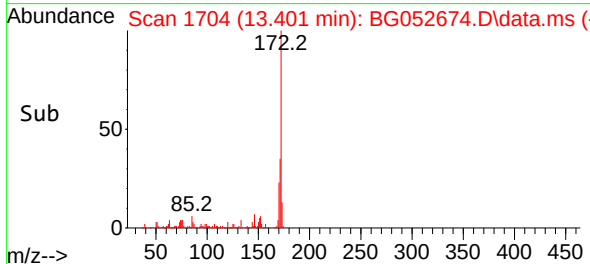
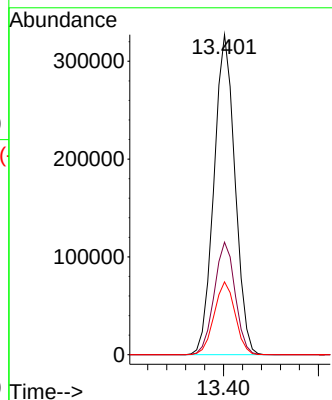
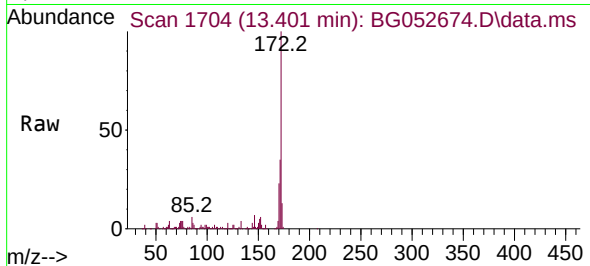




#45  
2-Fluorobiphenyl  
Concen: 67.707 ng  
RT: 13.401 min Scan# 1704  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

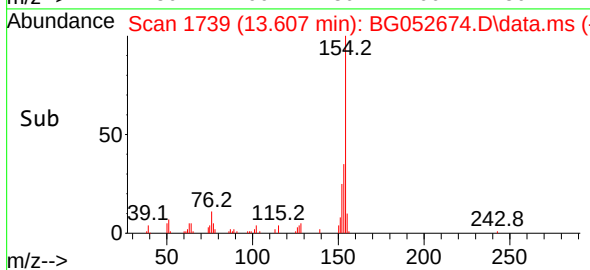
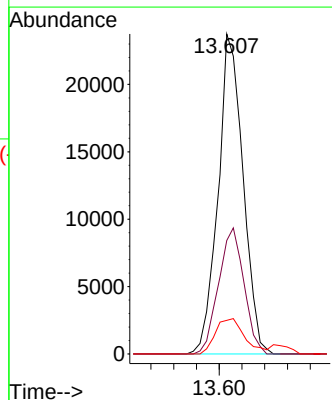
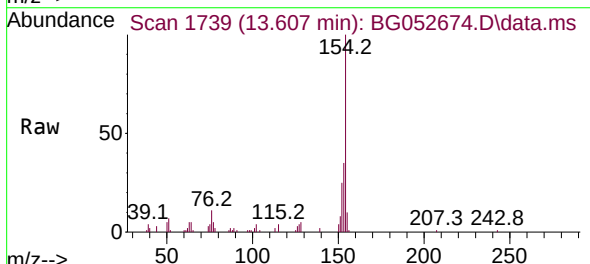
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

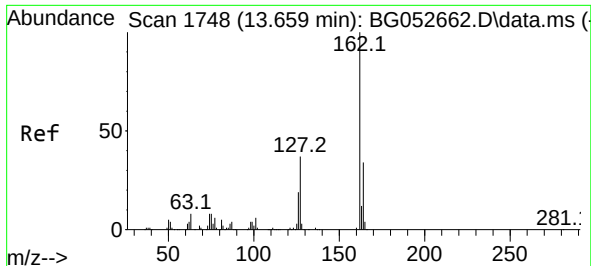
Tgt Ion:172 Resp: 503239  
Ion Ratio Lower Upper  
172 100  
171 35.1 28.3 42.5  
170 22.8 18.0 27.0



#46  
1,1'-Biphenyl  
Concen: 4.717 ng  
RT: 13.607 min Scan# 1739  
Delta R.T. -0.011 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion:154 Resp: 36158  
Ion Ratio Lower Upper  
154 100  
153 35.5 21.6 61.6  
76 10.5 0.0 31.5

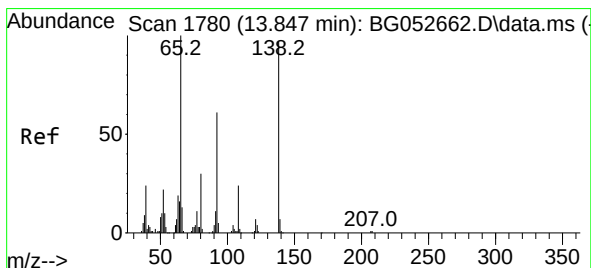
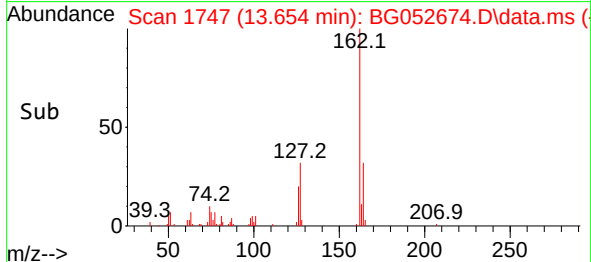
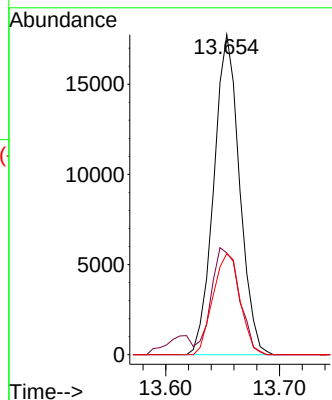
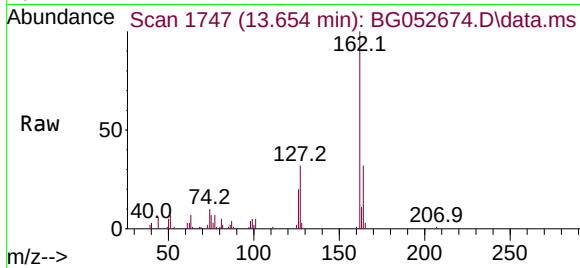




#47  
2-Chloronaphthalene  
Concen: 4.630 ng  
RT: 13.654 min Scan# 1748  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

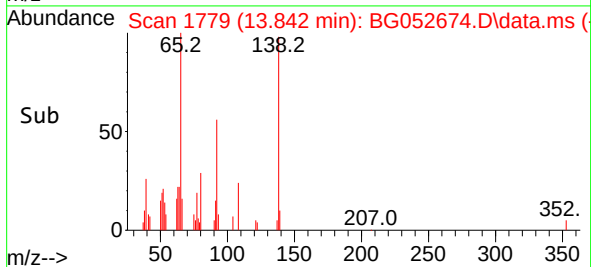
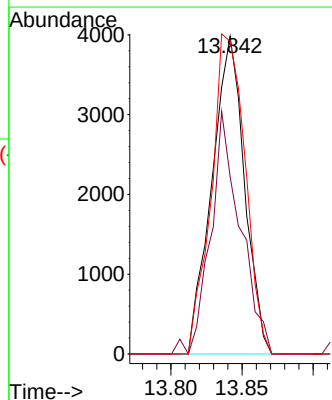
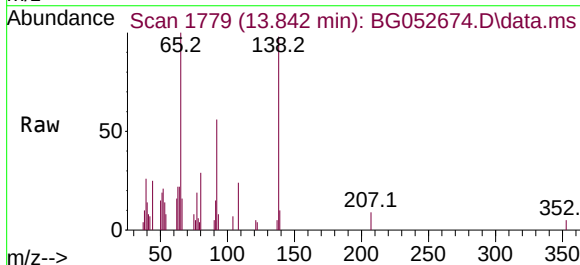
Instrument : BNA\_G  
ClientSampleId : LOQ-SOIL-02-QT1-2022

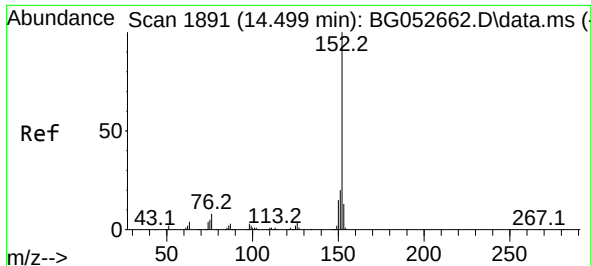
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 162   | Resp: | 27953 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 127       | 31.8  | 28.1  | 42.1  |
| 164       | 31.5  | 26.0  | 39.0  |



#48  
2-Nitroaniline  
Concen: 3.843 ng  
RT: 13.842 min Scan# 1779  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 65    | Resp: | 6345  |
| Ion Ratio | Lower | Upper |       |
| 65        | 100   |       |       |
| 92        | 55.9  | 52.1  | 78.1  |
| 138       | 98.5  | 80.1  | 120.1 |

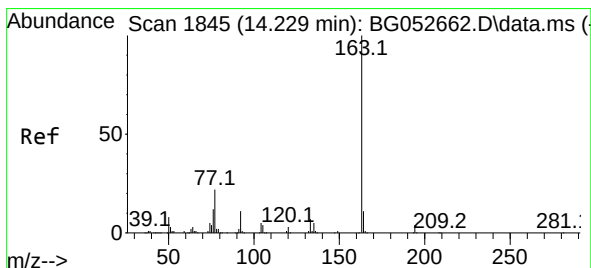
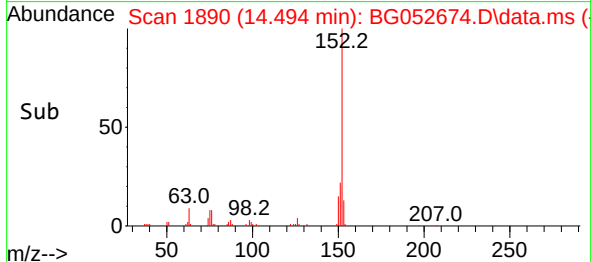
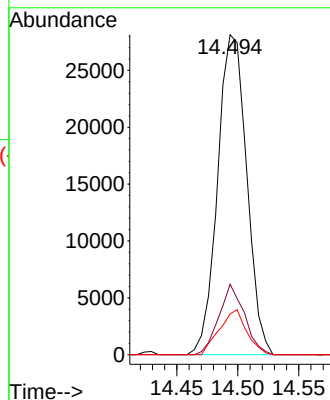
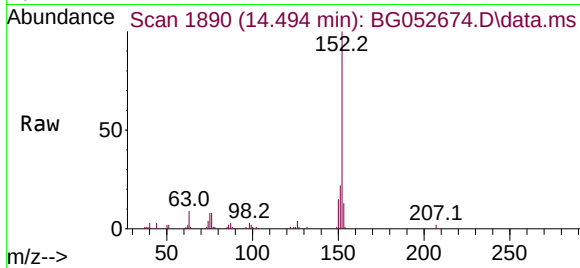




#49  
Acenaphthylene  
Concen: 4.865 ng  
RT: 14.494 min Scan# 1891  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

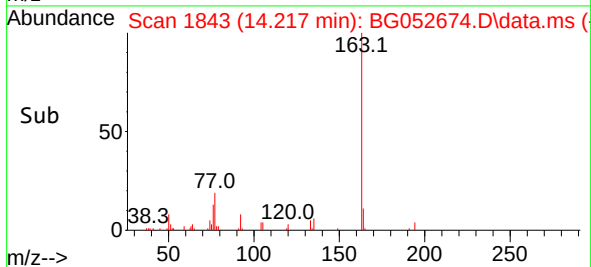
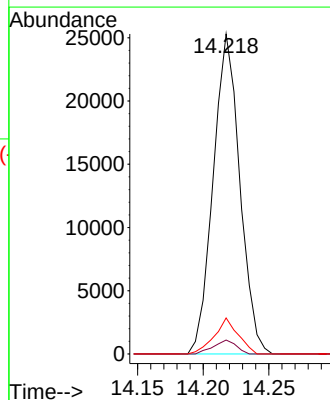
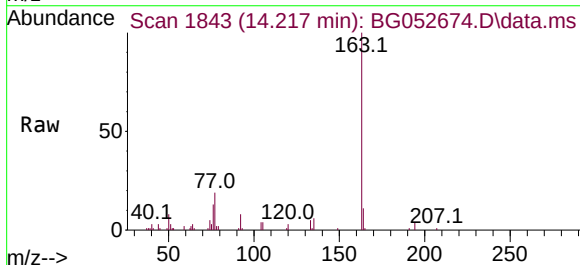
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

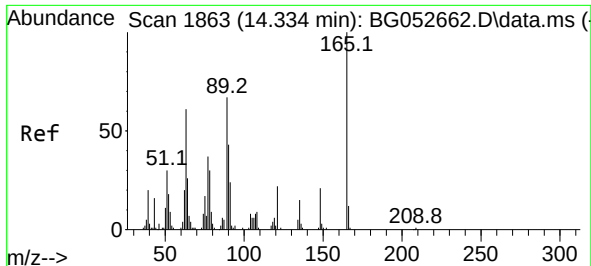
Tgt Ion:152 Resp: 46823  
Ion Ratio Lower Upper  
152 100  
151 22.0 15.8 23.6  
153 12.7 10.6 15.8



#50  
Dimethylphthalate  
Concen: 4.380 ng  
RT: 14.217 min Scan# 1843  
Delta R.T. -0.011 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion:163 Resp: 35687  
Ion Ratio Lower Upper  
163 100  
194 4.3 3.3 4.9  
164 11.2 8.5 12.7





#51

2,6-Dinitrotoluene

Concen: 4.183 ng

RT: 14.329 min Scan# 1862

Delta R.T. -0.005 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT1-2022

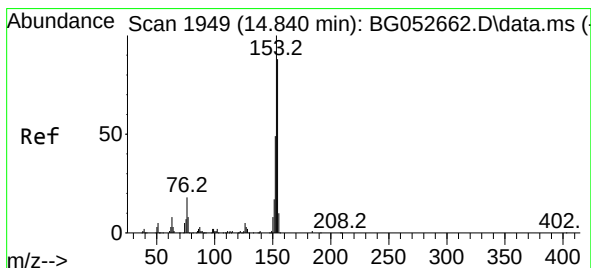
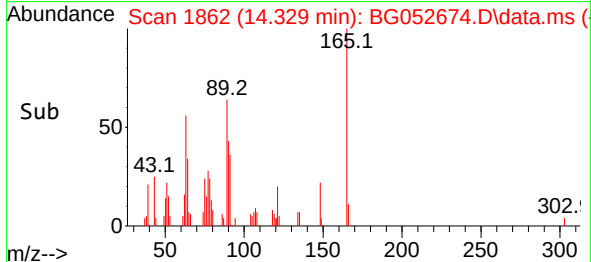
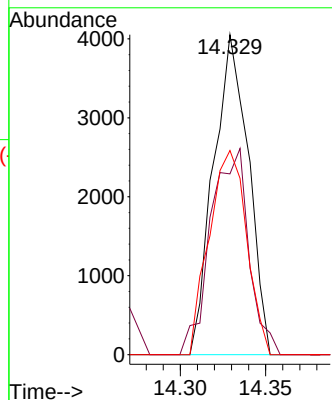
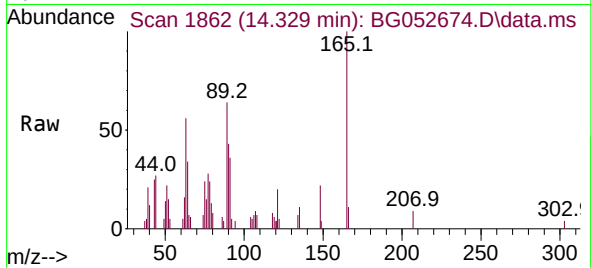
Tgt Ion:165 Resp: 5754

Ion Ratio Lower Upper

165 100

63 56.5 43.7 65.5

89 63.8 45.0 67.4



#52

Acenaphthene

Concen: 4.579 ng

RT: 14.834 min Scan# 1948

Delta R.T. -0.005 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

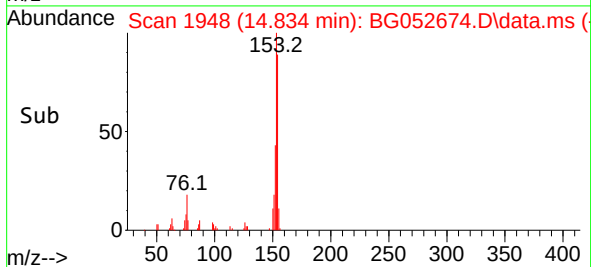
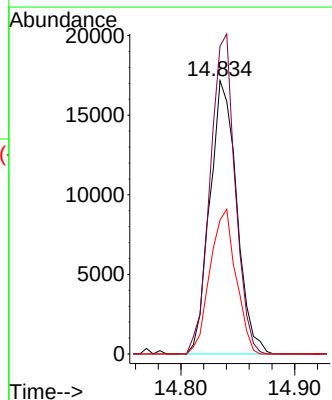
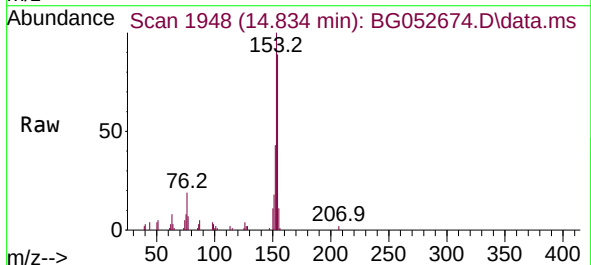
Tgt Ion:154 Resp: 28234

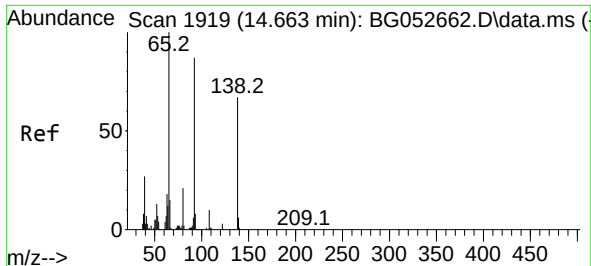
Ion Ratio Lower Upper

154 100

153 112.7 89.0 133.4

152 49.0 40.5 60.7

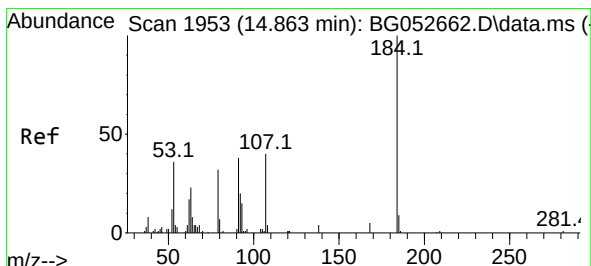
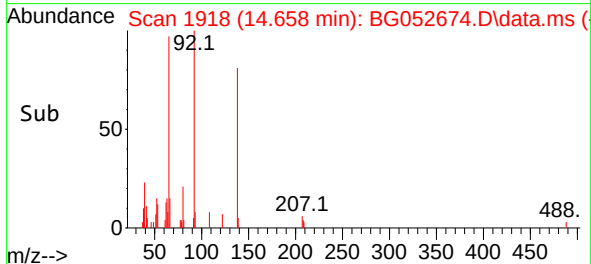
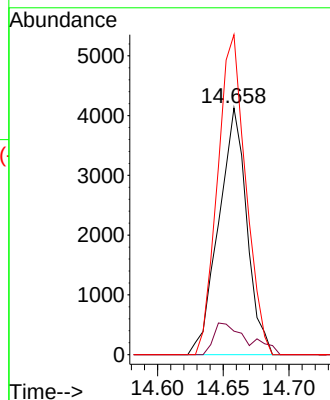
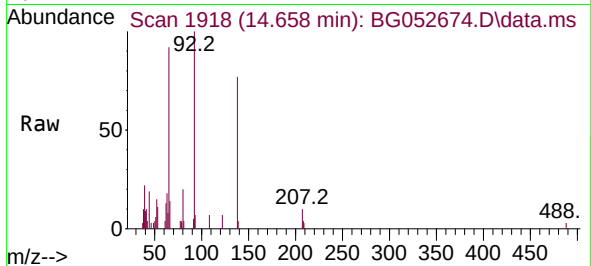




#53  
3-Nitroaniline  
Concen: 3.822 ng  
RT: 14.658 min Scan# 1918  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

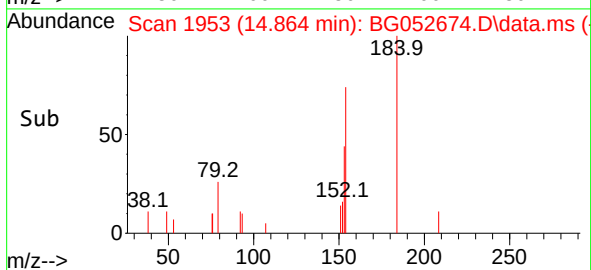
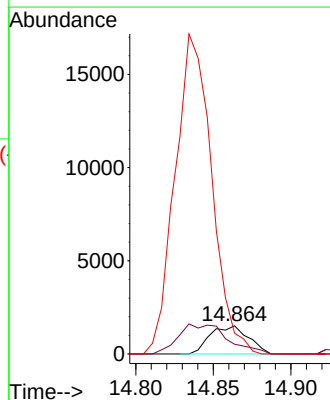
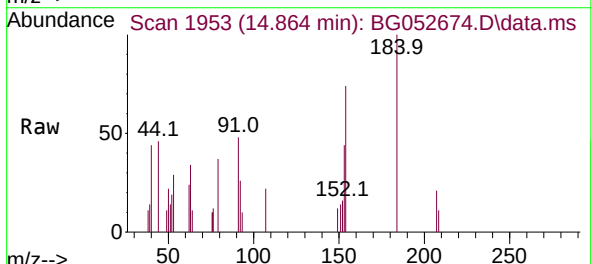
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

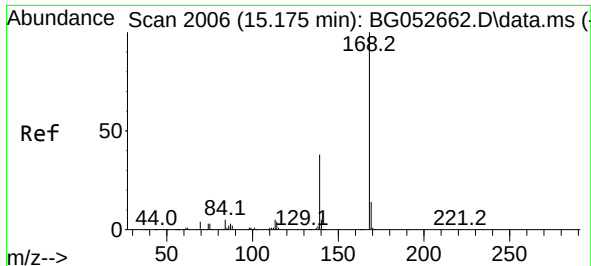
Tgt Ion:138 Resp: 6151  
Ion Ratio Lower Upper  
138 100  
108 9.5 8.0 12.0  
92 129.7 96.2 144.2



#54  
2,4-Dinitrophenol  
Concen: 3.436 ng  
RT: 14.864 min Scan# 1953  
Delta R.T. 0.001 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion:184 Resp: 2576  
Ion Ratio Lower Upper  
184 100  
63 34.5 51.8 77.6#  
154 73.6 47.8 71.6#

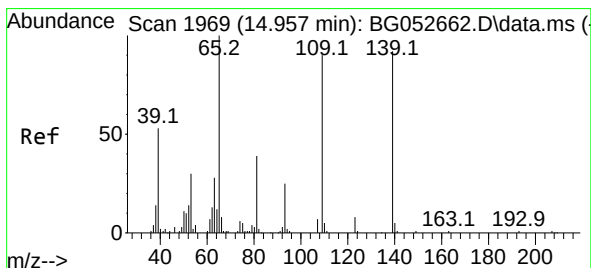
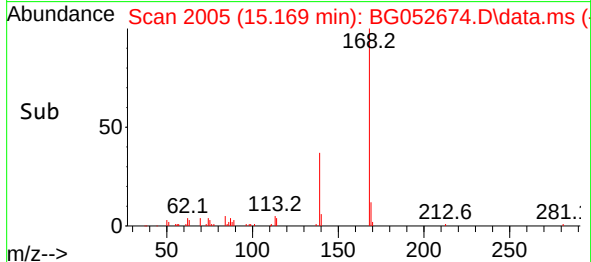
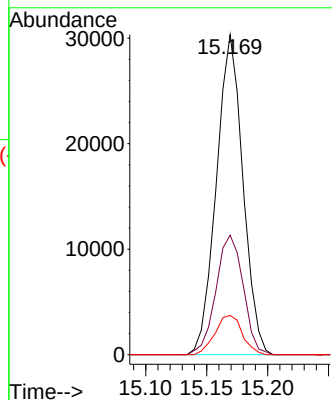
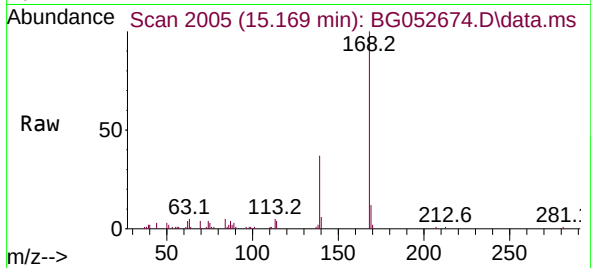




#55  
Dibenzofuran  
Concen: 4.554 ng  
RT: 15.169 min Scan# 20  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

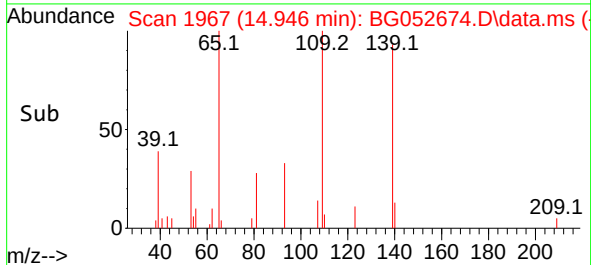
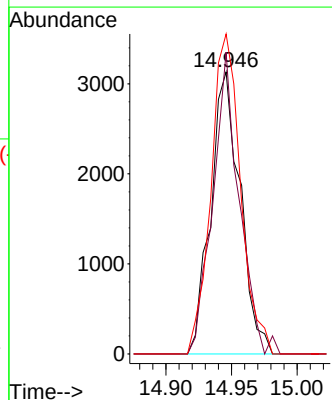
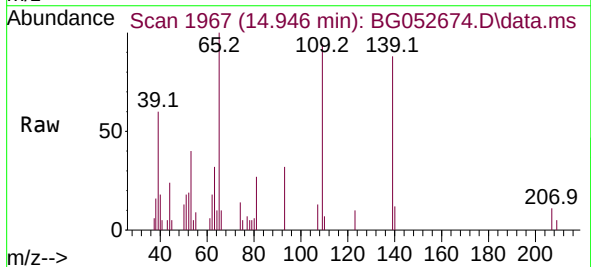
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

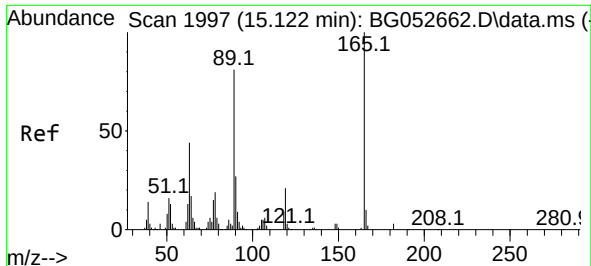
Tgt Ion:168 Resp: 45853  
Ion Ratio Lower Upper  
168 100  
139 37.3 30.2 45.4  
169 12.3 10.7 16.1



#56  
4-Nitrophenol  
Concen: 3.729 ng  
RT: 14.946 min Scan# 1967  
Delta R.T. -0.011 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion:139 Resp: 4896  
Ion Ratio Lower Upper  
139 100  
109 107.1 67.1 107.1  
65 113.5 88.2 128.2

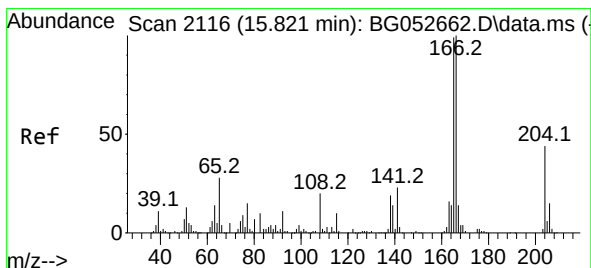
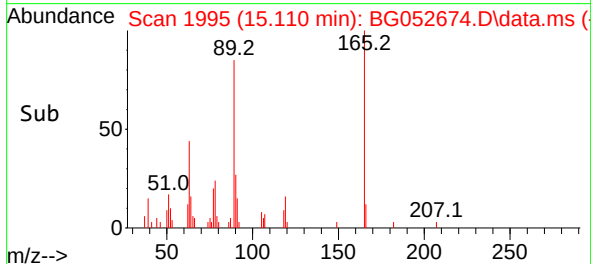
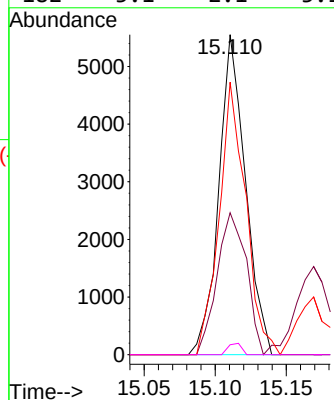
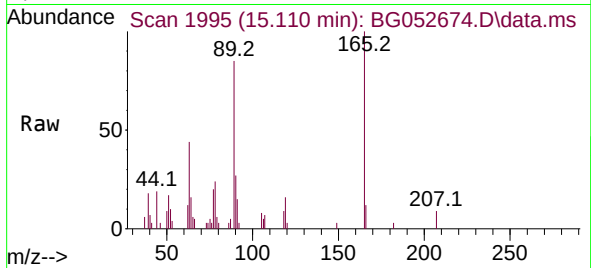




#57  
2,4-Dinitrotoluene  
Concen: 3.793 ng  
RT: 15.110 min Scan# 1995  
Delta R.T. -0.011 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

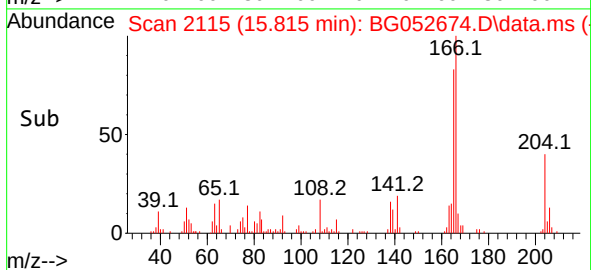
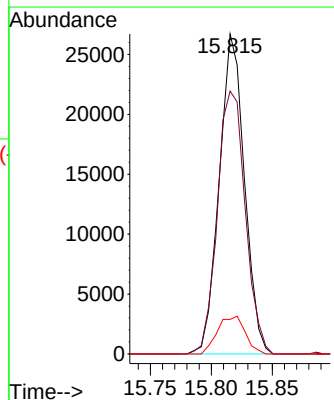
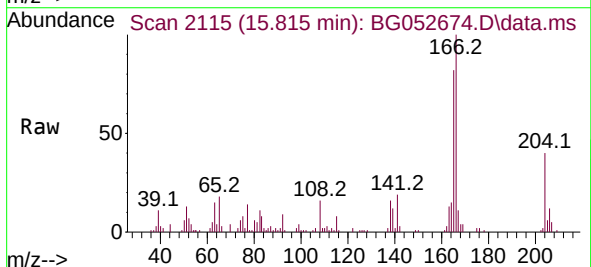
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

Tgt Ion:165 Resp: 7240  
Ion Ratio Lower Upper  
165 100  
63 44.4 34.8 52.2  
89 85.1 57.4 86.0  
182 3.1 2.1 3.1

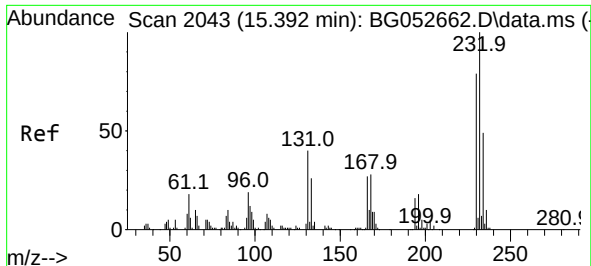


#58  
Fluorene  
Concen: 4.673 ng  
RT: 15.815 min Scan# 2115  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion:166 Resp: 38353  
Ion Ratio Lower Upper  
166 100  
165 82.2 78.6 117.8  
167 10.8 10.9 16.3#







#59

2,3,4,6-Tetrachlorophenol

Concen: 3.646 ng

RT: 15.387 min Scan# 2042

Delta R.T. -0.005 min

Lab File: BG052674.D

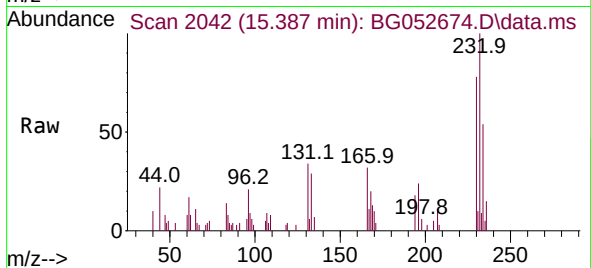
Acq: 16 Mar 2022 11:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT1-2022



Tgt Ion:232 Resp: 8676

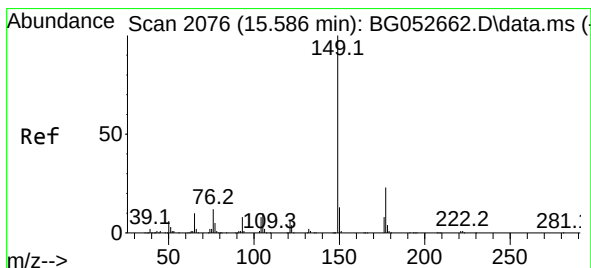
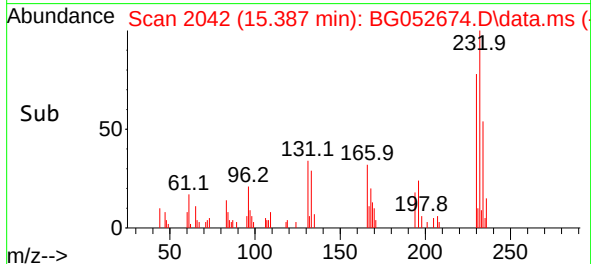
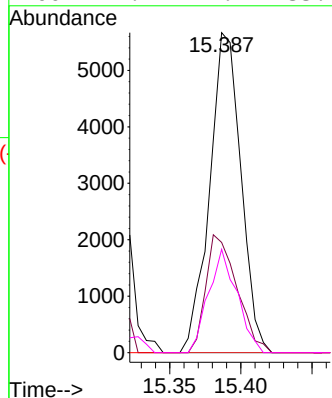
Ion Ratio Lower Upper

232 100

131 36.7 30.1 45.1

130 0.0 1.8 2.8#

166 29.4 22.2 33.2



#60

Diethylphthalate

Concen: 4.437 ng

RT: 15.580 min Scan# 2075

Delta R.T. -0.005 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

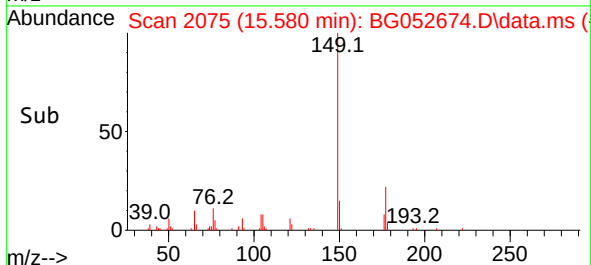
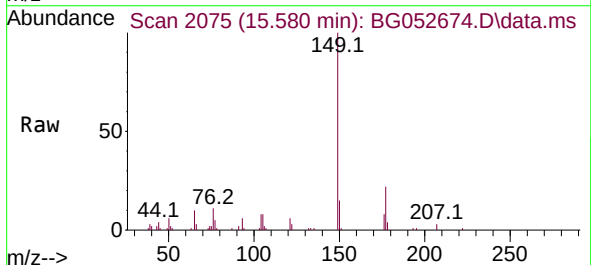
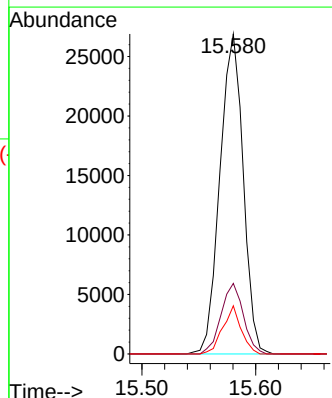
Tgt Ion:149 Resp: 38160

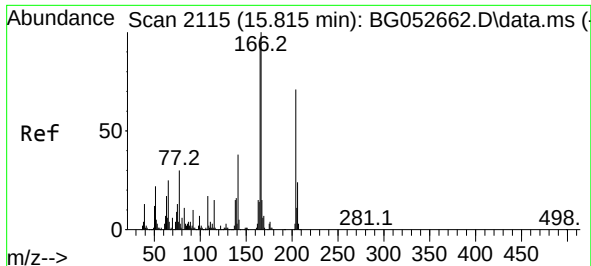
Ion Ratio Lower Upper

149 100

177 22.0 18.2 27.2

150 15.0 9.9 14.9#

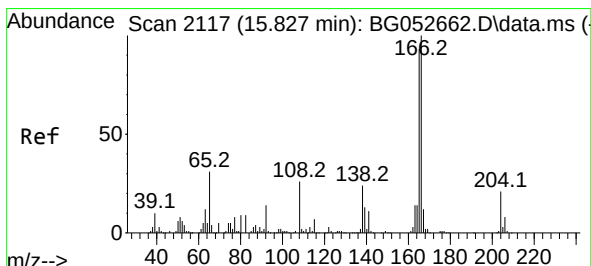
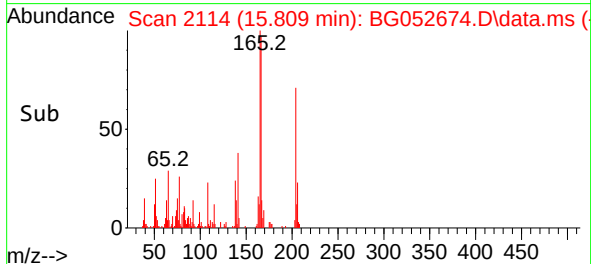
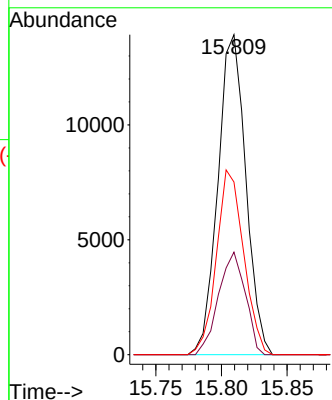
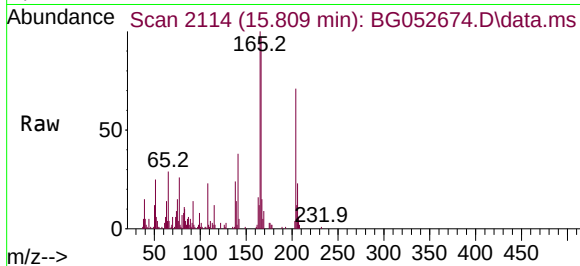




#61  
4-Chlorophenyl-phenylether  
Concen: 4.546 ng  
RT: 15.809 min Scan# 2114  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

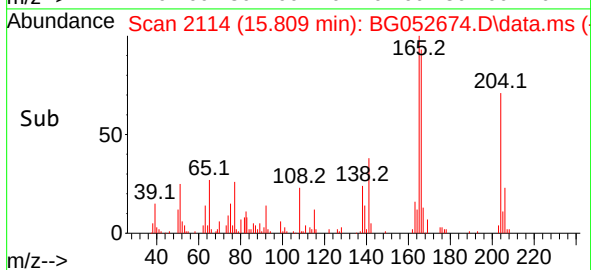
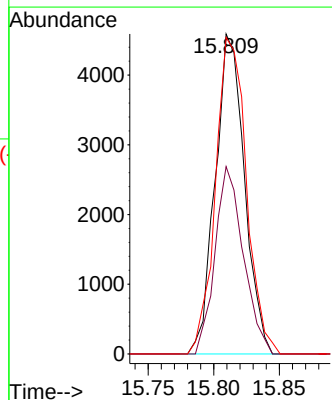
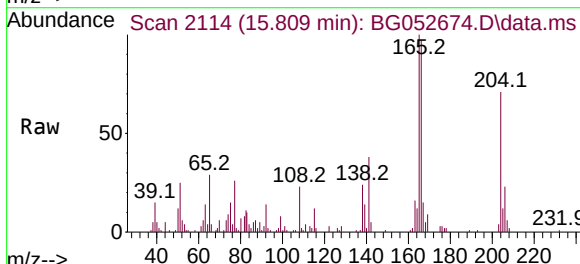
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

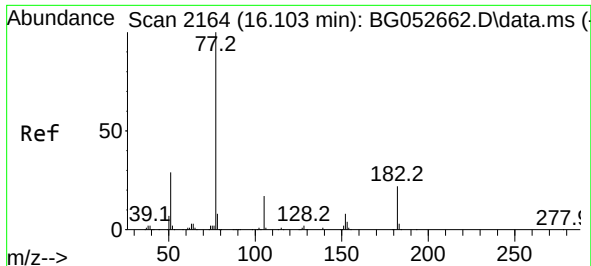
Tgt Ion:204 Resp: 20574  
Ion Ratio Lower Upper  
204 100  
206 32.0 28.3 42.5  
141 54.0 45.8 68.8



#62  
4-Nitroaniline  
Concen: 4.181 ng  
RT: 15.809 min Scan# 2114  
Delta R.T. -0.017 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion:138 Resp: 7111  
Ion Ratio Lower Upper  
138 100  
92 58.6 33.3 73.3  
108 98.9 74.2 114.2

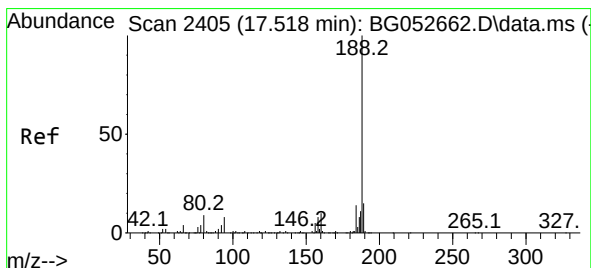
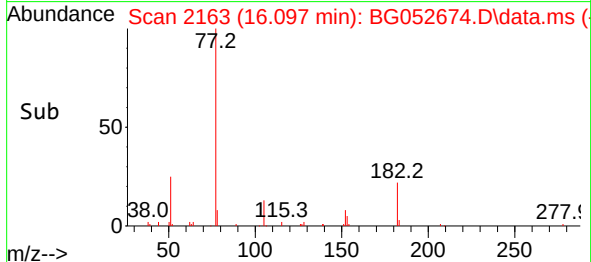
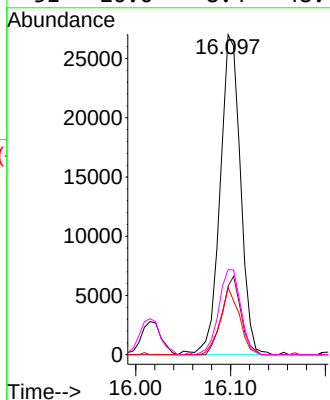
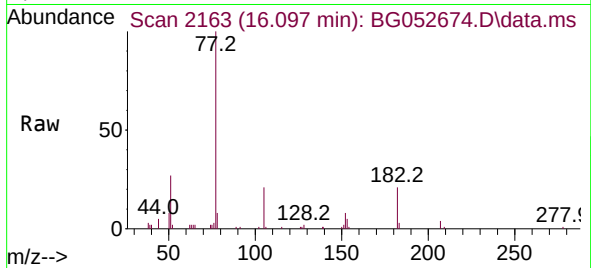




#63  
Azobenzene  
Concen: 4.385 ng  
RT: 16.097 min Scan# 2164  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

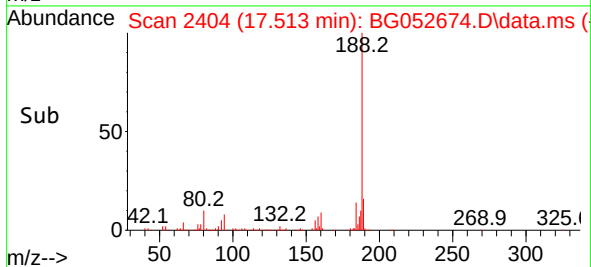
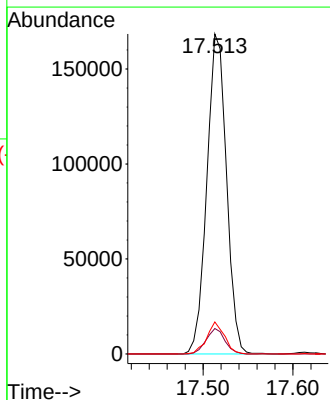
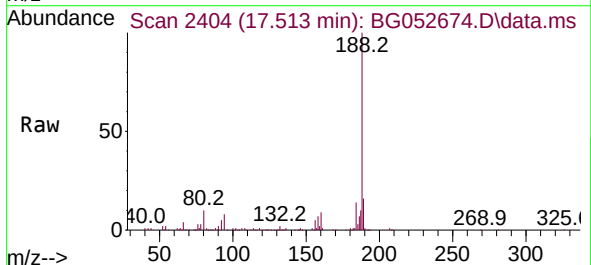
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

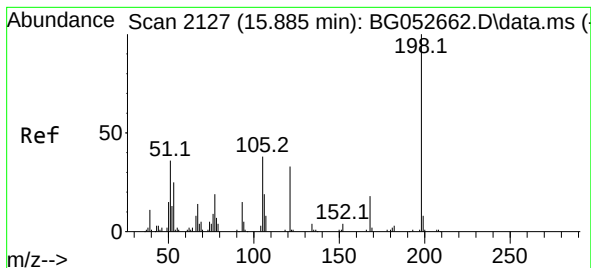
|             |             |
|-------------|-------------|
| Tgt Ion: 77 | Resp: 40307 |
| Ion Ratio   | Lower Upper |
| 77 100      |             |
| 182 21.4    | 5.6 45.6    |
| 105 20.9    | 0.0 38.8    |
| 51 26.6     | 8.4 48.4    |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.513 min Scan# 2404  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

|              |              |
|--------------|--------------|
| Tgt Ion: 188 | Resp: 255406 |
| Ion Ratio    | Lower Upper  |
| 188 100      |              |
| 94 8.0       | 5.7 8.5      |
| 80 10.0      | 7.2 10.8     |

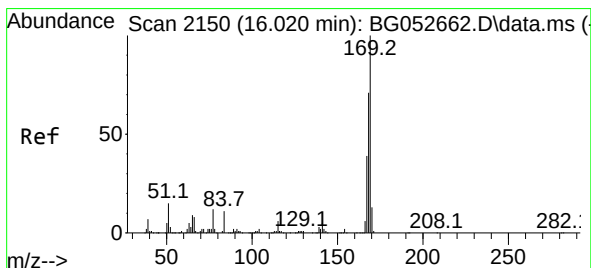
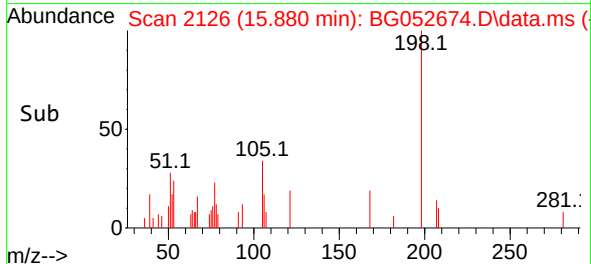
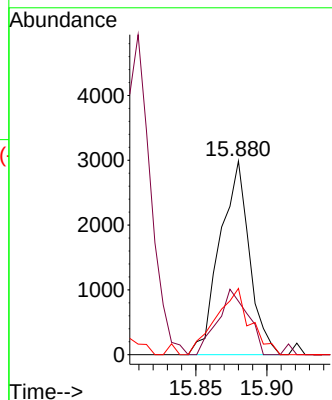
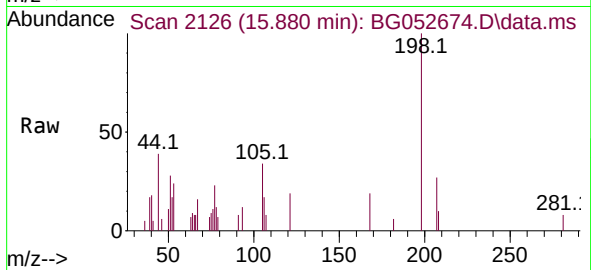




#65  
4,6-Dinitro-2-methylphenol  
Concen: 3.786 ng  
RT: 15.880 min Scan# 2127  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

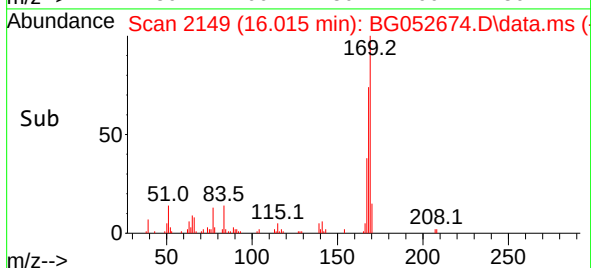
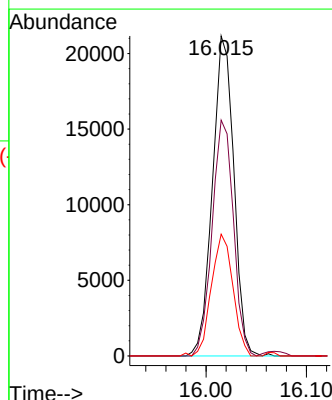
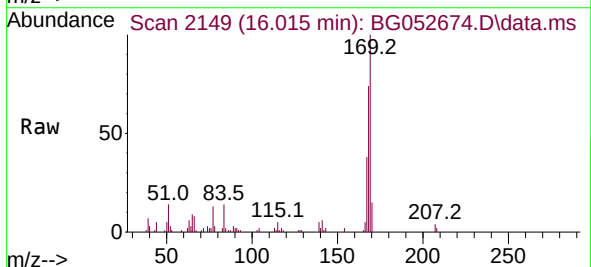
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

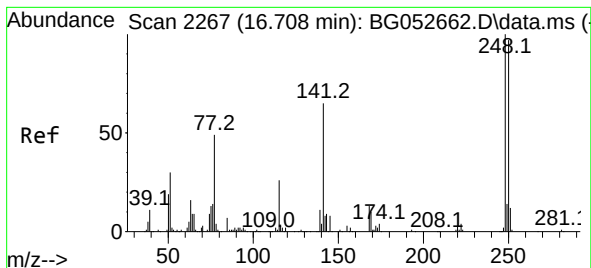
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 27.6  | 21.7  | 61.7  |
| 105     | 34.2  | 20.8  | 60.8  |



#66  
n-Nitrosodiphenylamine  
Concen: 4.351 ng  
RT: 16.015 min Scan# 2149  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 73.7  | 54.5  | 81.7  |
| 167     | 38.1  | 29.6  | 44.4  |

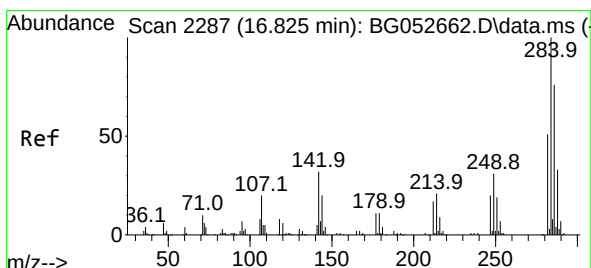
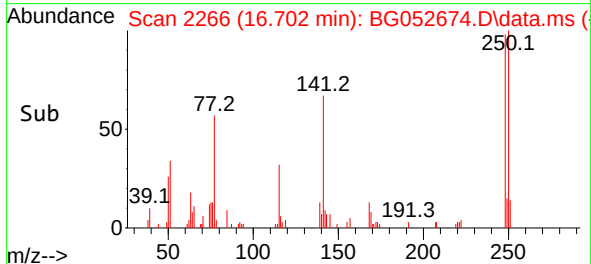
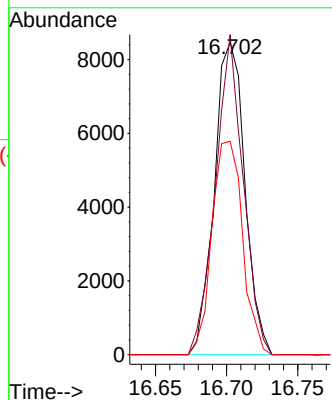
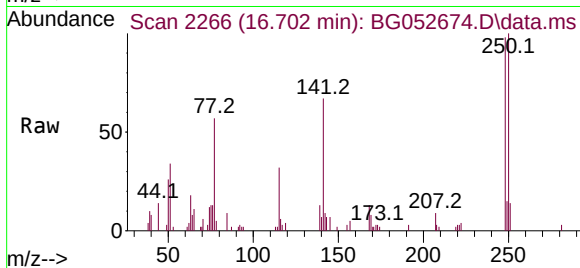




#67  
4-Bromophenyl-phenylether  
Concen: 4.108 ng  
RT: 16.702 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

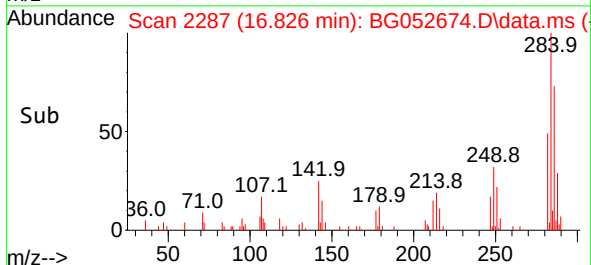
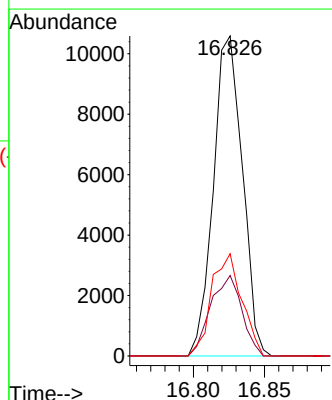
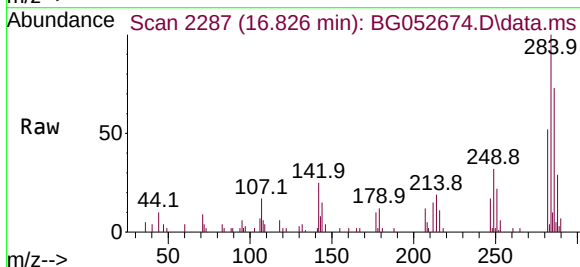
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

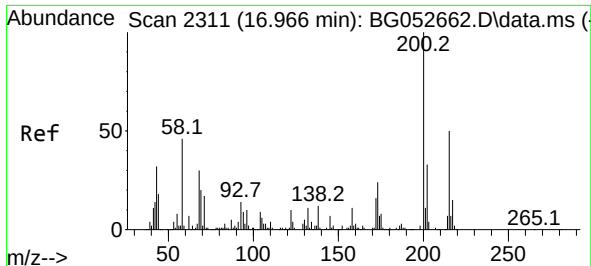
Tgt Ion:248 Resp: 12650  
Ion Ratio Lower Upper  
248 100  
250 102.5 77.9 116.9  
141 68.4 49.2 73.8



#68  
Hexachlorobenzene  
Concen: 4.539 ng  
RT: 16.826 min Scan# 2287  
Delta R.T. 0.000 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion:284 Resp: 15024  
Ion Ratio Lower Upper  
284 100  
142 25.1 21.0 31.4  
249 31.9 22.7 34.1

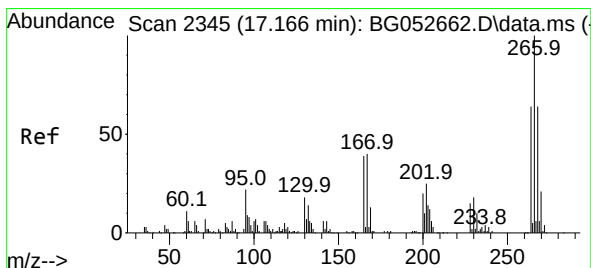
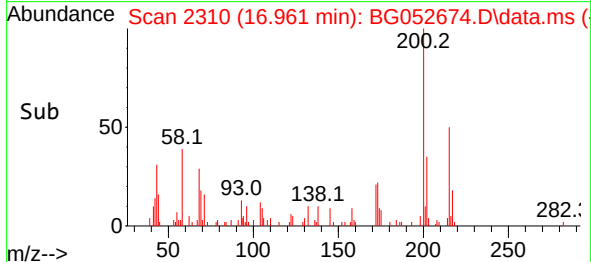
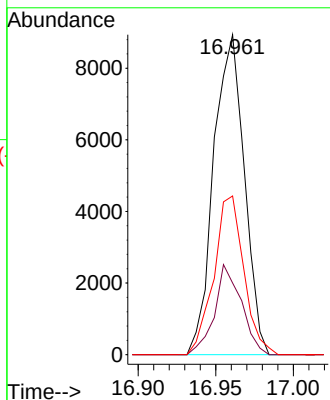
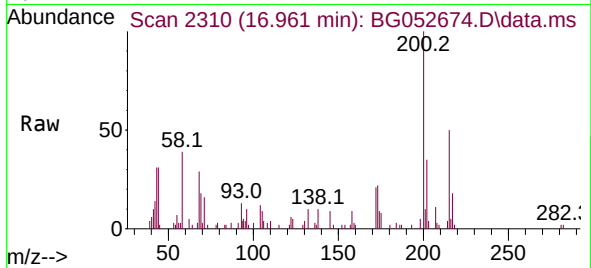




#69  
 Atrazine  
 Concen: 4.629 ng  
 RT: 16.961 min Scan# 21  
 Delta R.T. -0.005 min  
 Lab File: BG052674.D  
 Acq: 16 Mar 2022 11:01

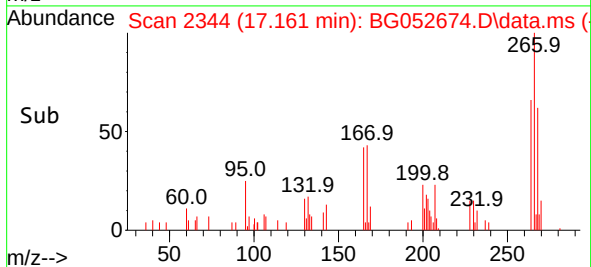
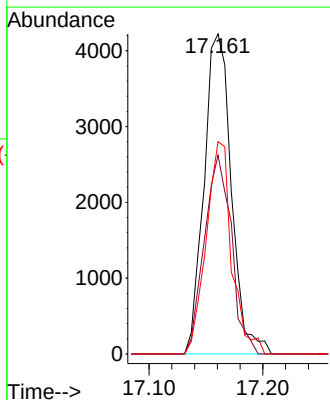
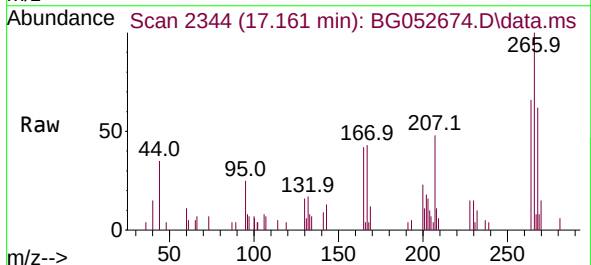
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2022

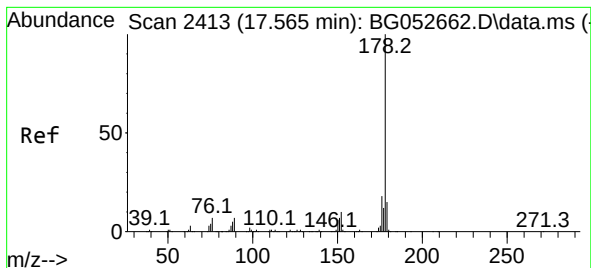
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 22.4  | 3.8   | 43.8  |
| 215     | 49.6  | 26.3  | 66.3  |



#70  
 Pentachlorophenol  
 Concen: 3.433 ng  
 RT: 17.161 min Scan# 2344  
 Delta R.T. -0.005 min  
 Lab File: BG052674.D  
 Acq: 16 Mar 2022 11:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 62.1  | 45.9  | 68.9  |
| 264     | 66.3  | 45.3  | 67.9  |





#71

Phenanthrene

Concen: 4.791 ng

RT: 17.554 min Scan# 2411

Delta R.T. -0.011 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT1-2022

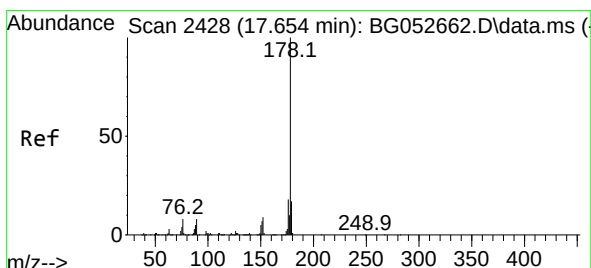
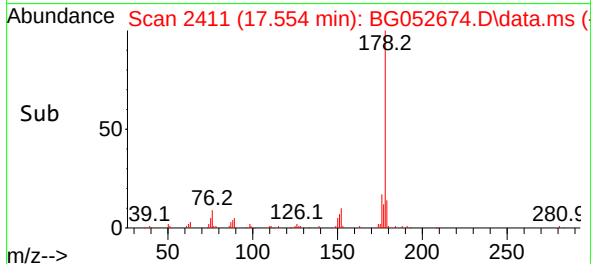
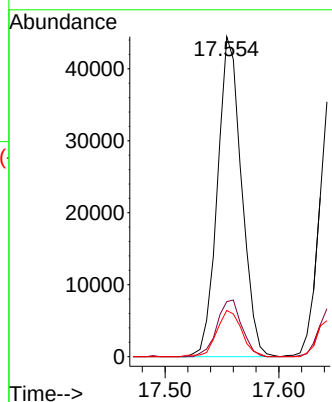
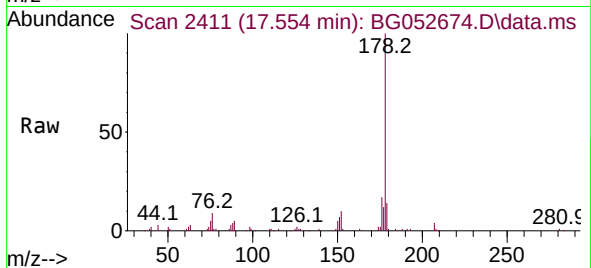
Tgt Ion:178 Resp: 65456

Ion Ratio Lower Upper

178 100

176 17.2 15.9 23.9

179 14.5 13.4 20.2



#72

Anthracene

Concen: 4.738 ng

RT: 17.648 min Scan# 2427

Delta R.T. -0.005 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

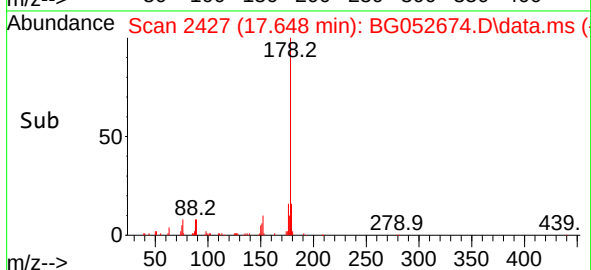
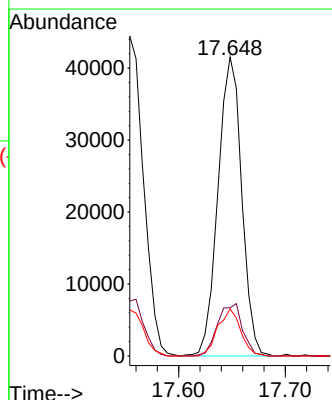
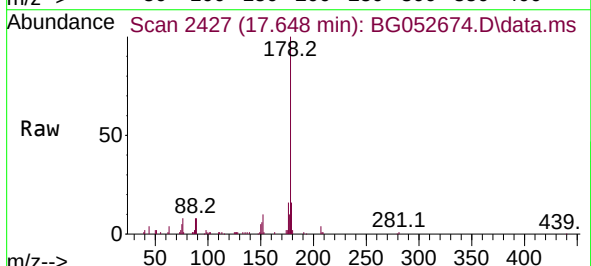
Tgt Ion:178 Resp: 64001

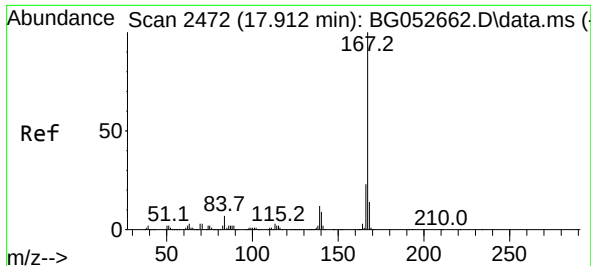
Ion Ratio Lower Upper

178 100

176 16.1 14.7 22.1

179 15.8 13.2 19.8

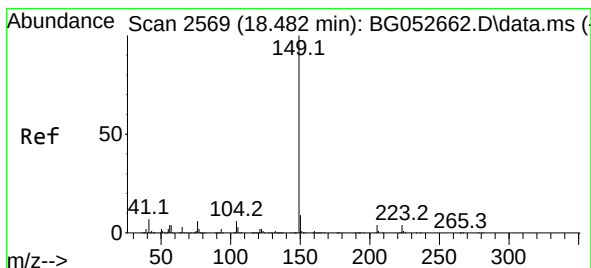
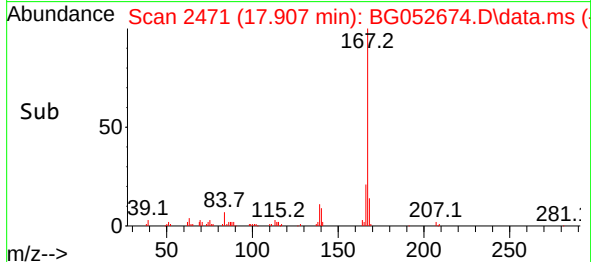
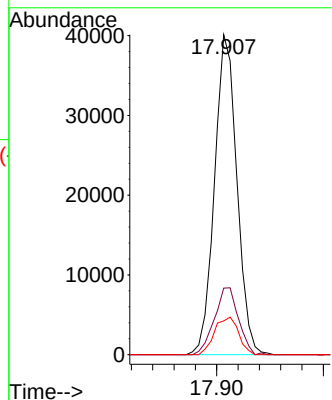
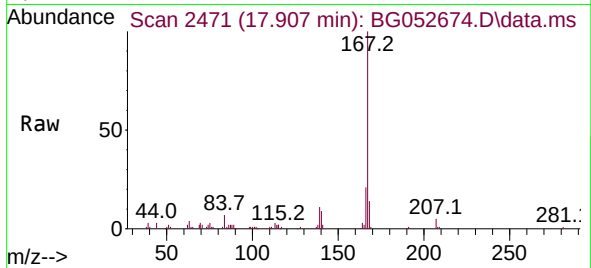




#73  
Carbazole  
Concen: 4.359 ng  
RT: 17.907 min Scan# 2472  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

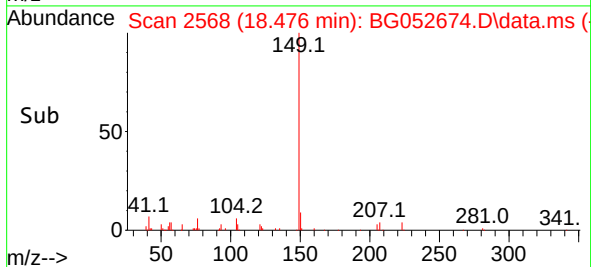
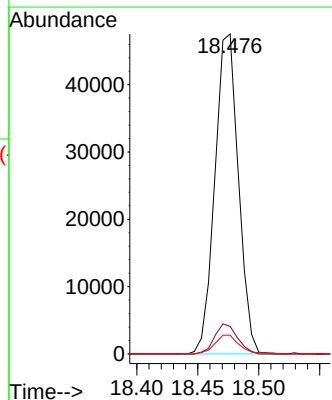
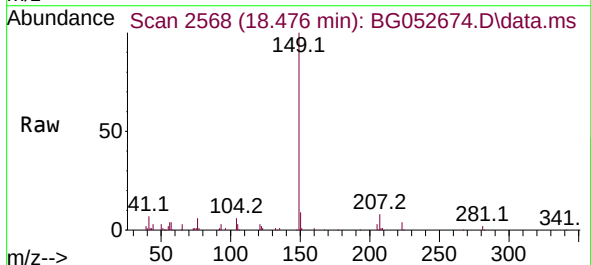
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

Tgt Ion:167 Resp: 58309  
Ion Ratio Lower Upper  
167 100  
166 20.8 18.5 27.7  
139 10.6 10.0 15.0

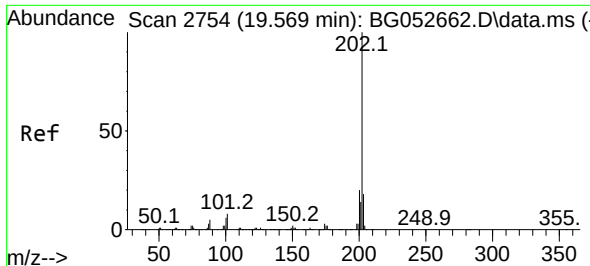


#74  
Di-n-butylphthalate  
Concen: 4.367 ng  
RT: 18.476 min Scan# 2568  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion:149 Resp: 63824  
Ion Ratio Lower Upper  
149 100  
150 8.6 7.0 10.6  
104 5.8 4.6 7.0



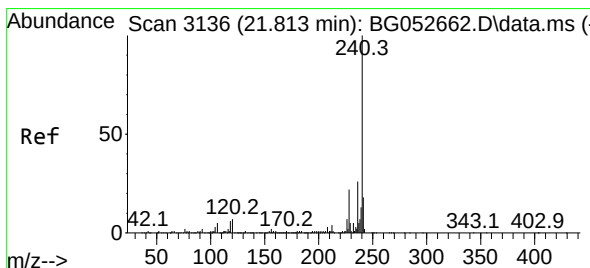
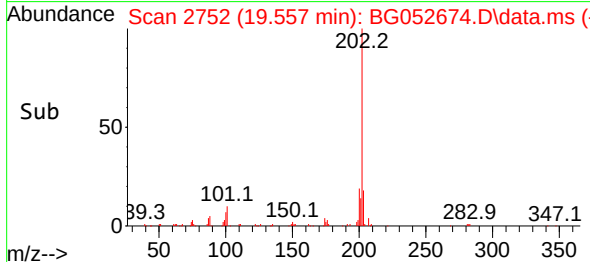
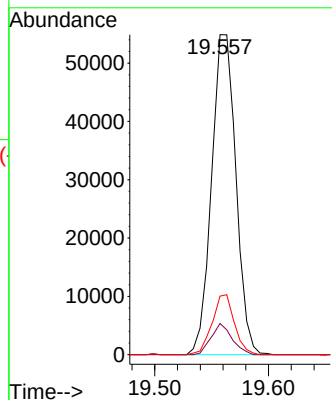
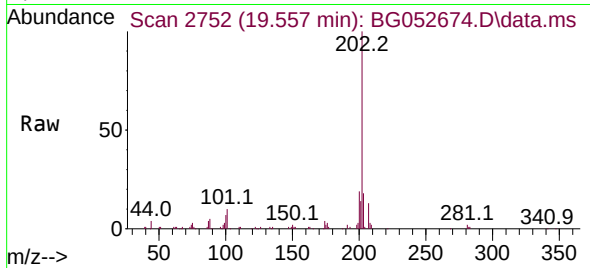




#75  
Fluoranthene  
Concen: 4.704 ng  
RT: 19.557 min Scan# 21  
Delta R.T. -0.011 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

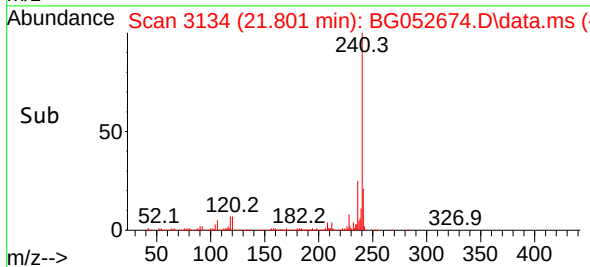
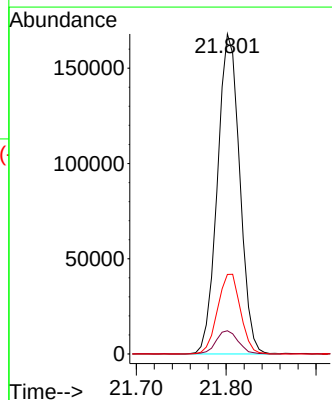
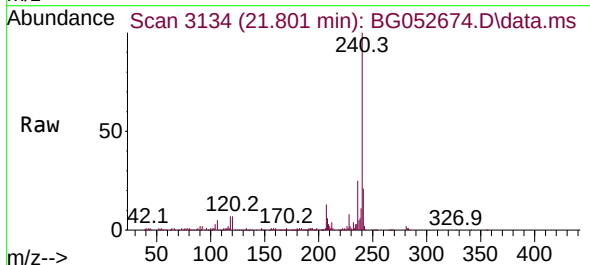
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

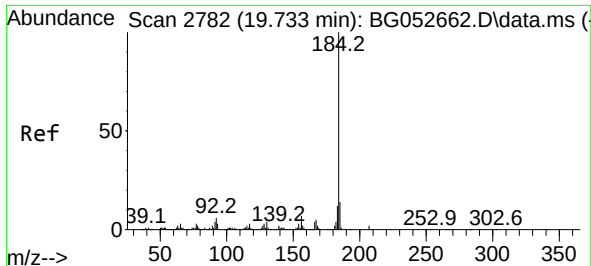
Tgt Ion:202 Resp: 81588  
Ion Ratio Lower Upper  
202 100  
101 9.8 0.0 27.3  
203 18.3 0.0 37.7



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.801 min Scan# 3134  
Delta R.T. -0.011 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion:240 Resp: 289609  
Ion Ratio Lower Upper  
240 100  
120 7.3 5.4 8.0  
236 24.9 19.8 29.6

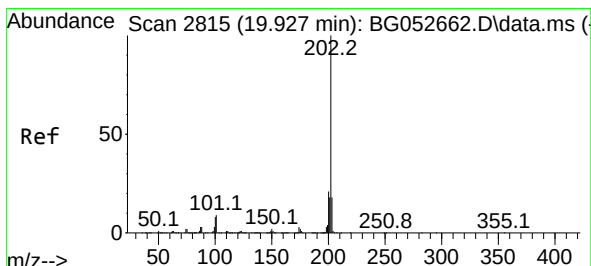
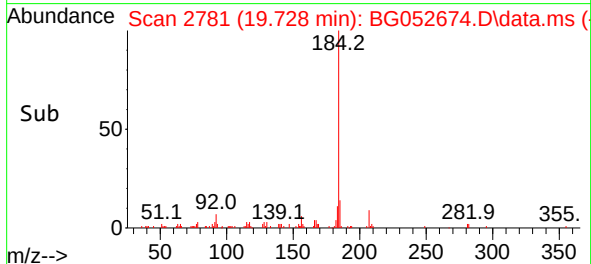
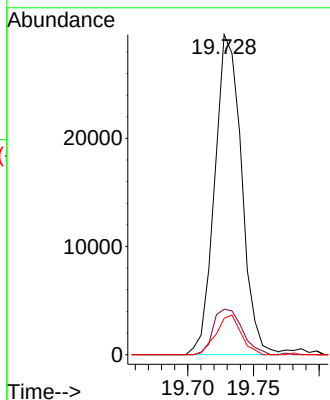
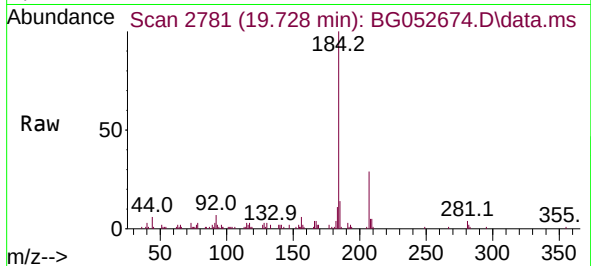




#77  
Benzidine  
Concen: 5.634 ng  
RT: 19.728 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

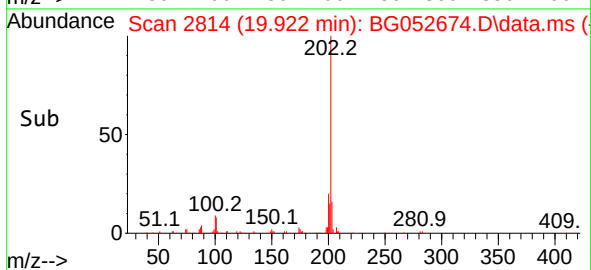
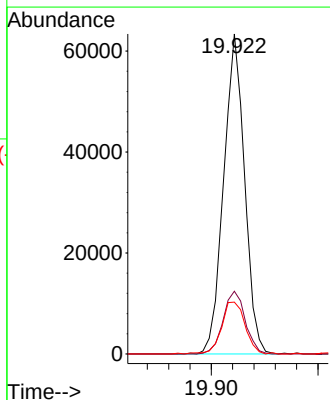
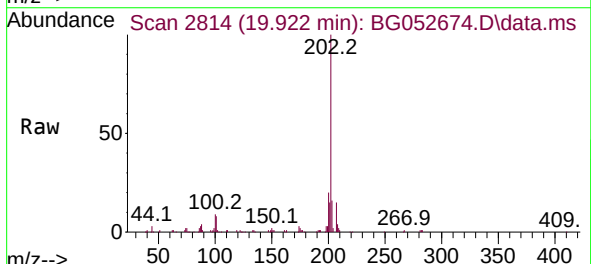
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

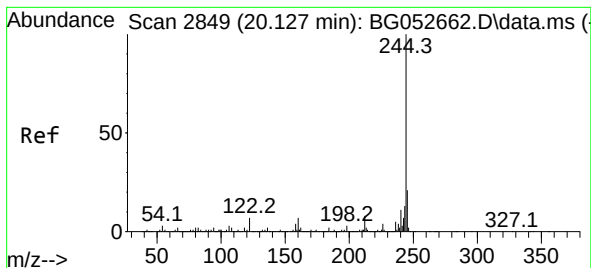
Tgt Ion:184 Resp: 42081  
Ion Ratio Lower Upper  
184 100  
185 14.2 11.5 17.3  
183 11.3 9.4 14.2



#78  
Pyrene  
Concen: 4.296 ng  
RT: 19.922 min Scan# 2814  
Delta R.T. -0.005 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion:202 Resp: 86305  
Ion Ratio Lower Upper  
202 100  
200 19.6 17.0 25.6  
203 16.2 15.0 22.6





#79

Terphenyl-d14

Concen: 62.093 ng

RT: 20.121 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT1-2022

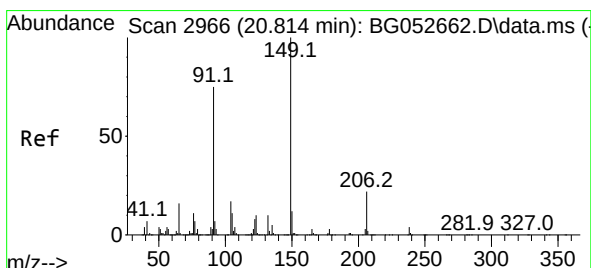
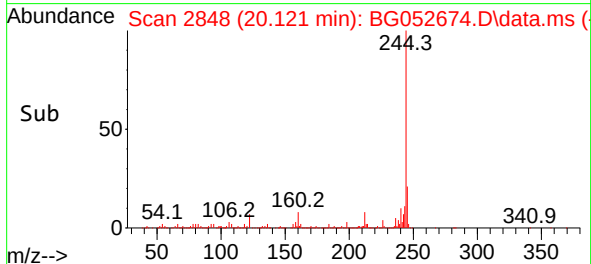
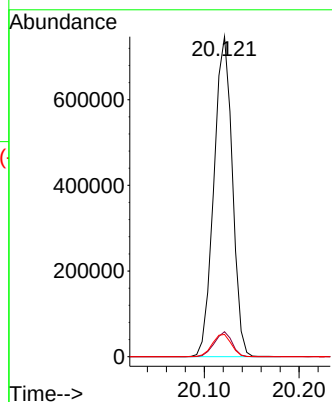
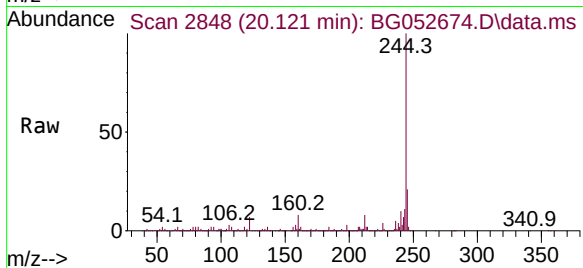
Tgt Ion:244 Resp: 1010925

Ion Ratio Lower Upper

244 100

212 7.8 5.4 8.2

122 6.9 5.8 8.6



#80

Butylbenzylphthalate

Concen: 3.554 ng

RT: 20.809 min Scan# 2965

Delta R.T. -0.005 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

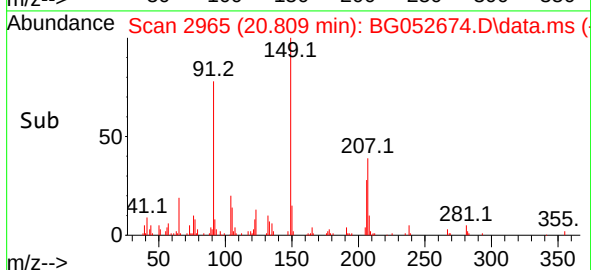
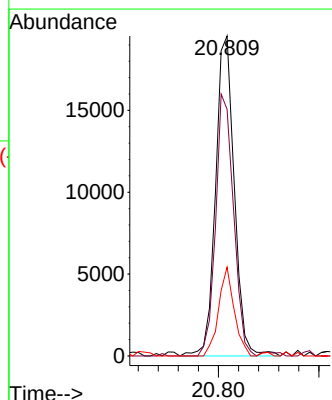
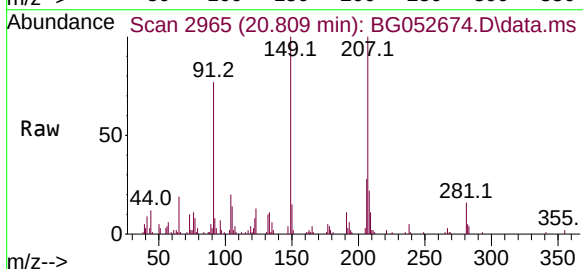
Tgt Ion:149 Resp: 25324

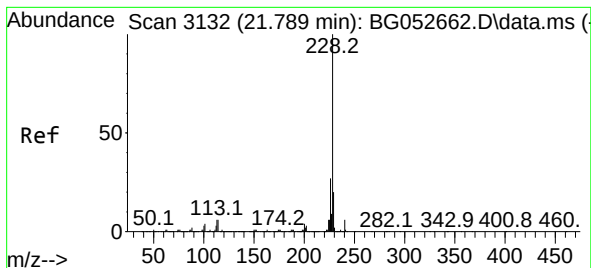
Ion Ratio Lower Upper

149 100

91 77.1 60.2 90.4

206 27.8 19.4 29.2





#81

Benzo(a)anthracene

Concen: 4.645 ng

RT: 21.784 min Scan# 3132

Delta R.T. -0.005 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT1-2022

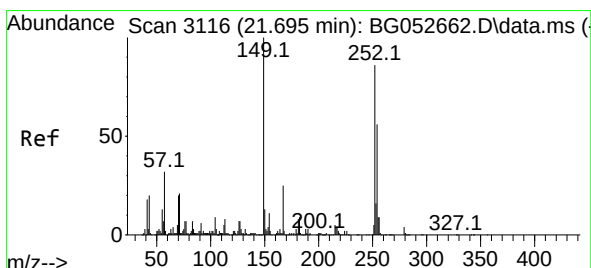
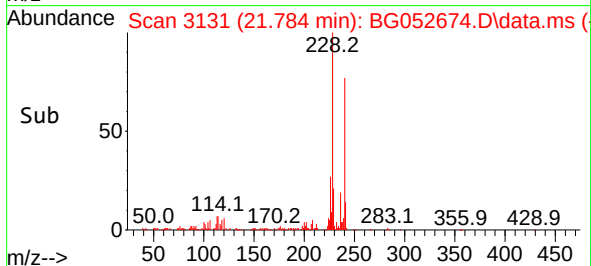
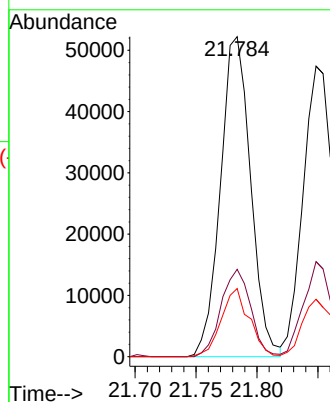
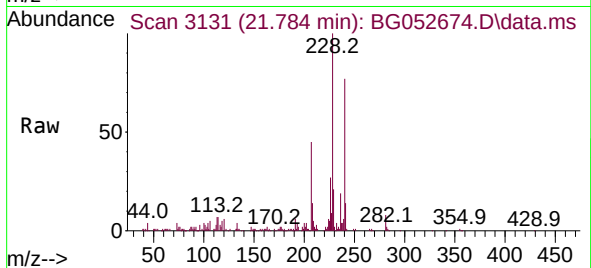
Tgt Ion:228 Resp: 90073

Ion Ratio Lower Upper

228 100

226 27.3 21.4 32.0

229 21.3 16.7 25.1



#82

3,3'-Dichlorobenzidine

Concen: 4.609 ng

RT: 21.690 min Scan# 3115

Delta R.T. -0.005 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

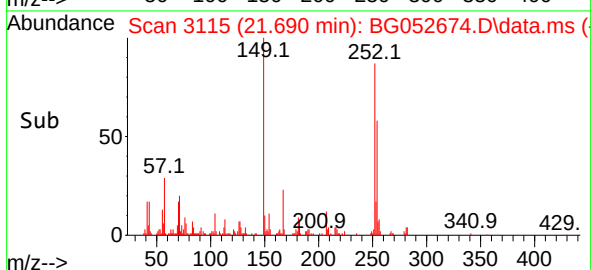
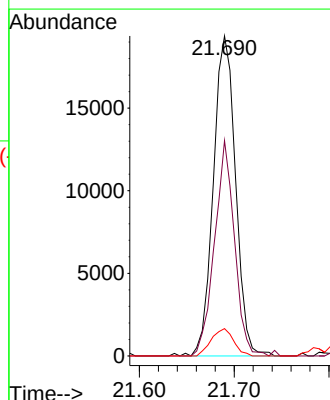
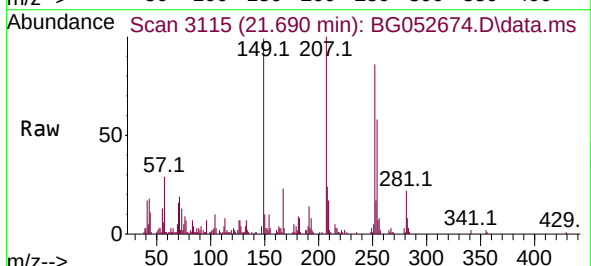
Tgt Ion:252 Resp: 31564

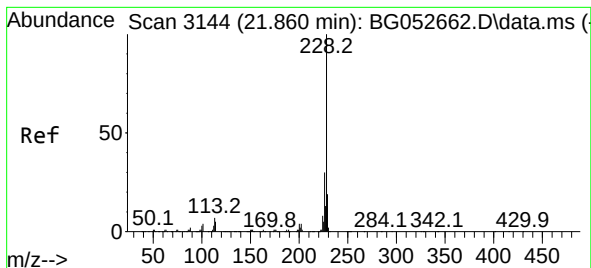
Ion Ratio Lower Upper

252 100

254 67.3 51.2 76.8

126 8.5 5.8 8.8





#83

Chrysene

Concen: 4.461 ng

RT: 21.848 min Scan# 3116

Delta R.T. -0.011 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

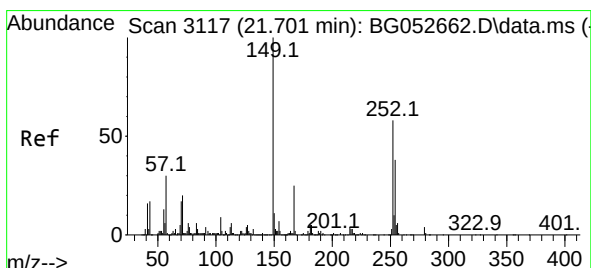
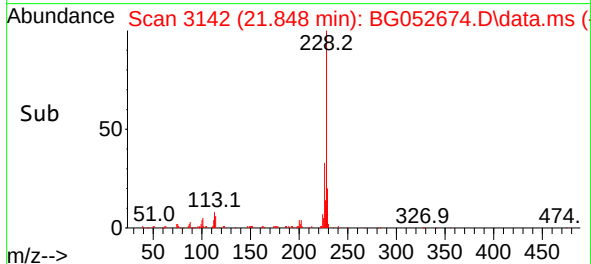
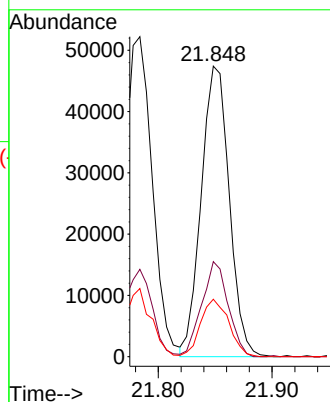
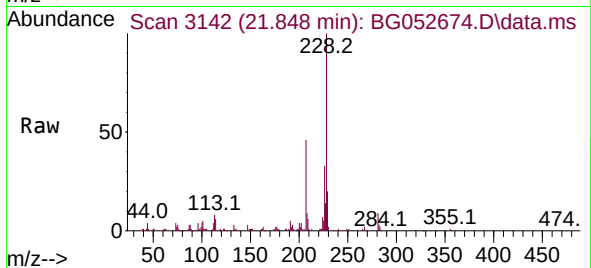
Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT1-2022

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 81325     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 32.7  | 24.2 36.4 |
| 229         | 19.8  | 16.3 24.5 |



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.211 ng

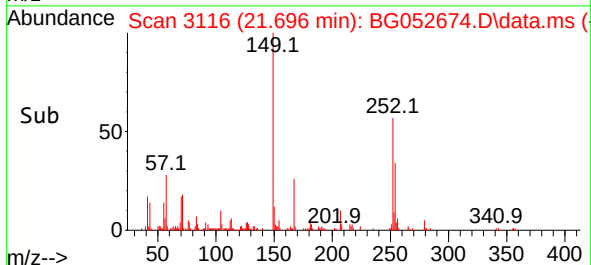
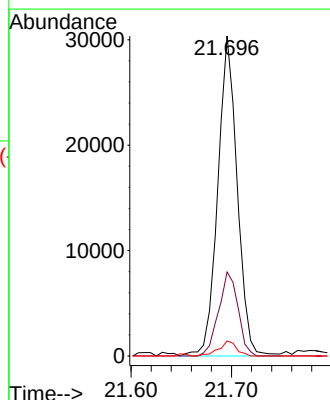
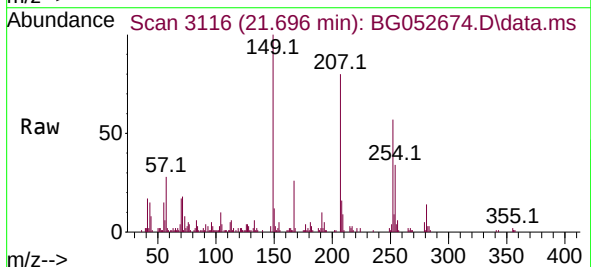
RT: 21.696 min Scan# 3116

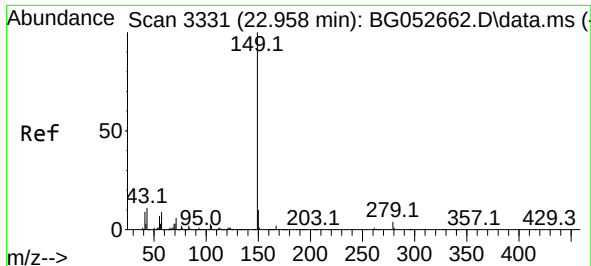
Delta R.T. -0.005 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 40814     |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 167         | 26.2  | 21.4 32.2 |
| 279         | 4.7   | 3.8 5.8   |

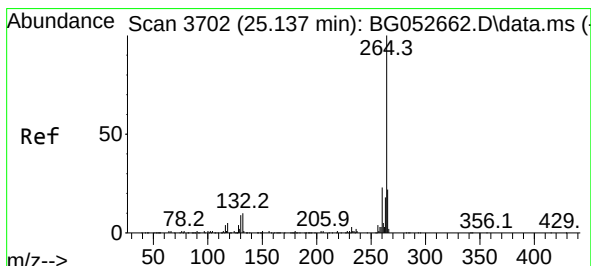
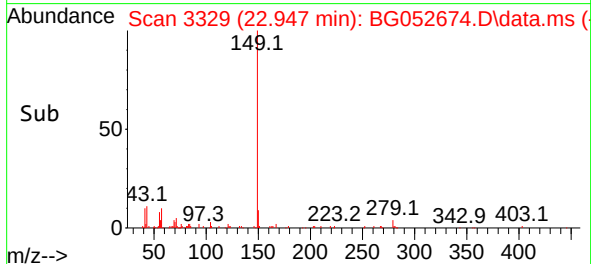
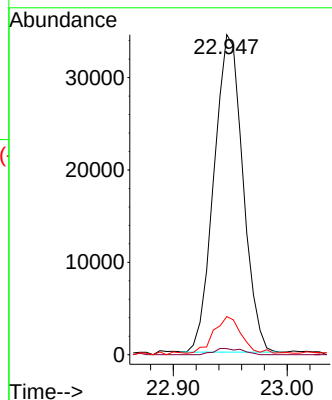
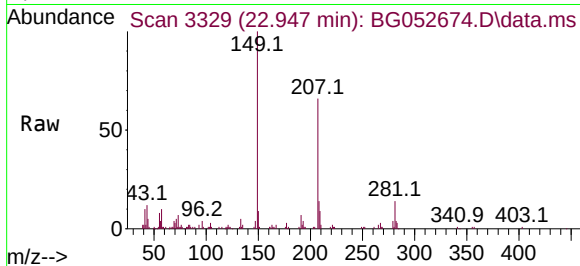




#85  
Di-n-octyl phthalate  
Concen: 3.764 ng  
RT: 22.947 min Scan# 31  
Delta R.T. -0.011 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

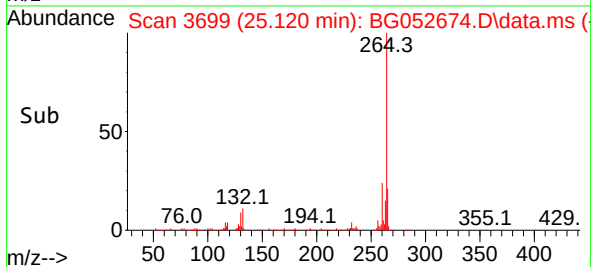
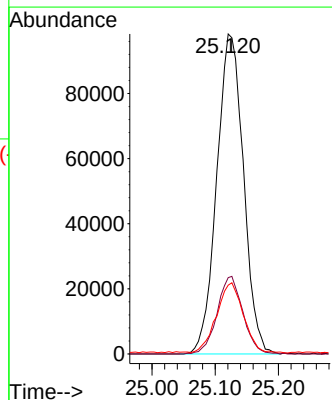
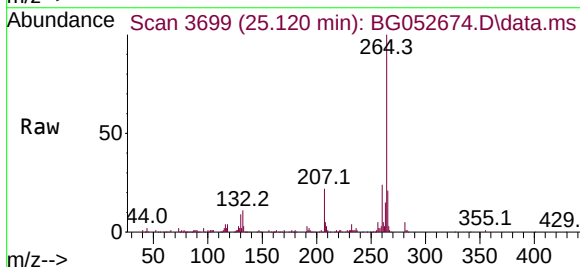
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

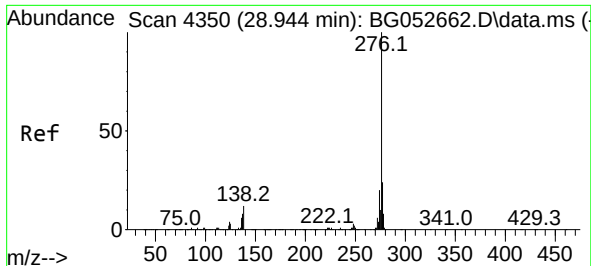
Tgt Ion:149 Resp: 60722  
Ion Ratio Lower Upper  
149 100  
167 2.0 1.2 1.8#  
43 12.8 7.6 11.4#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.120 min Scan# 3699  
Delta R.T. -0.017 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion:264 Resp: 288811  
Ion Ratio Lower Upper  
264 100  
260 23.9 18.2 27.2  
265 21.5 15.1 22.7

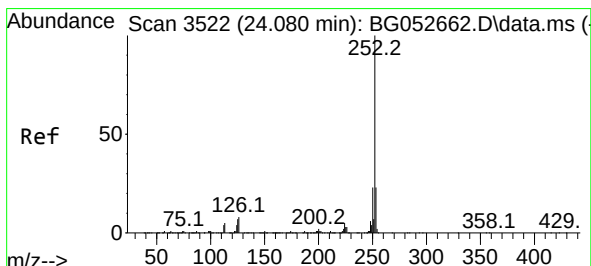
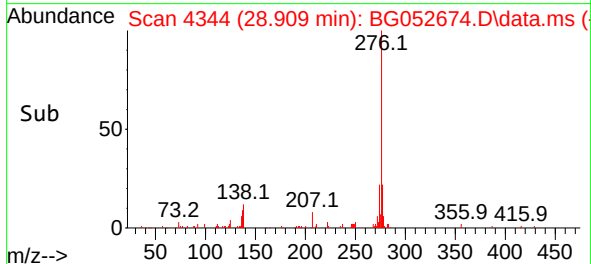
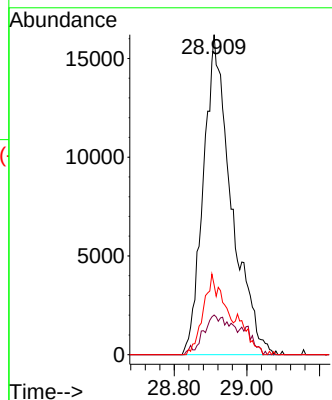
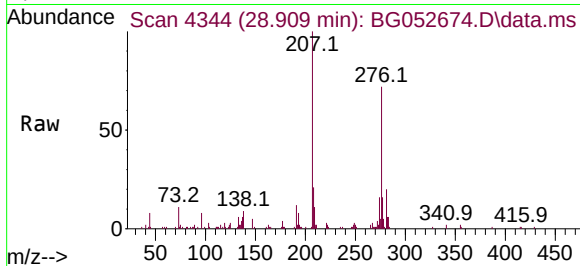




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 4.383 ng  
RT: 28.909 min Scan# 41  
Delta R.T. -0.035 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

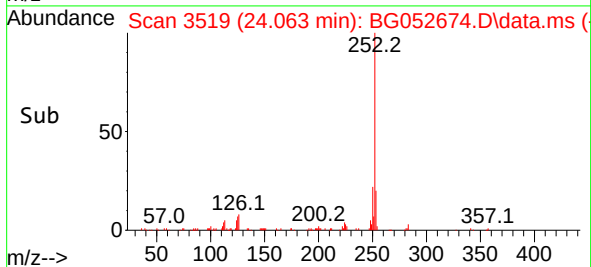
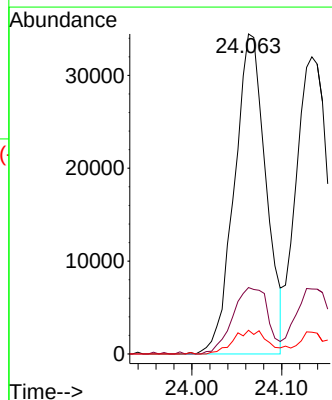
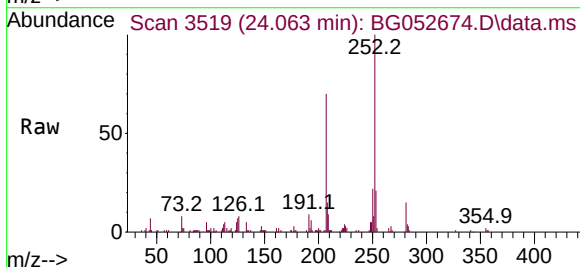
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

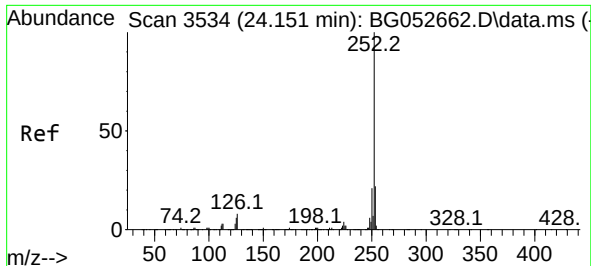
Tgt Ion:276 Resp: 86637  
Ion Ratio Lower Upper  
276 100  
138 10.0 8.7 13.1  
277 19.3 20.2 30.4#



#88  
Benzo(b)fluoranthene  
Concen: 4.681 ng  
RT: 24.063 min Scan# 3519  
Delta R.T. -0.017 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion:252 Resp: 83949  
Ion Ratio Lower Upper  
252 100  
253 20.7 17.2 25.8  
125 7.4 5.2 7.8

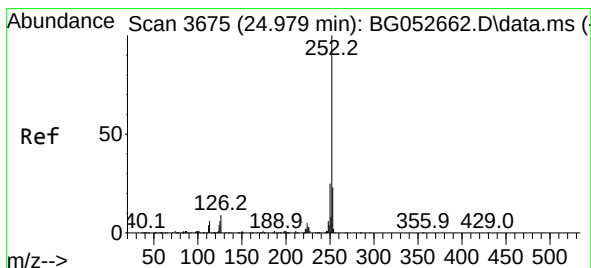
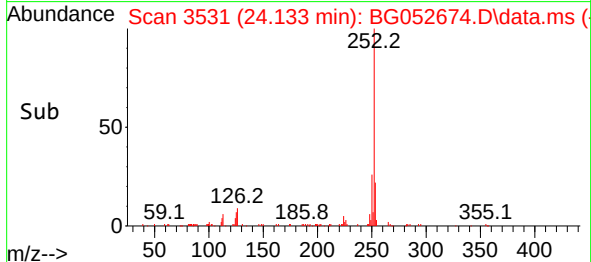
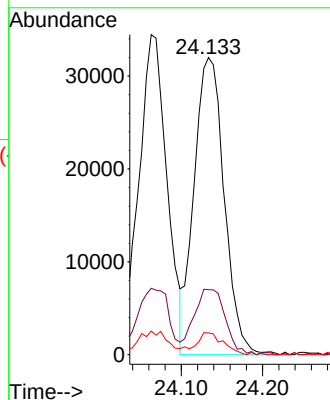
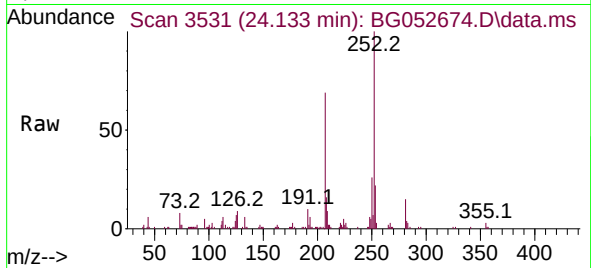




#89  
Benzo(k)fluoranthene  
Concen: 4.671 ng  
RT: 24.133 min Scan# 31  
Delta R.T. -0.017 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

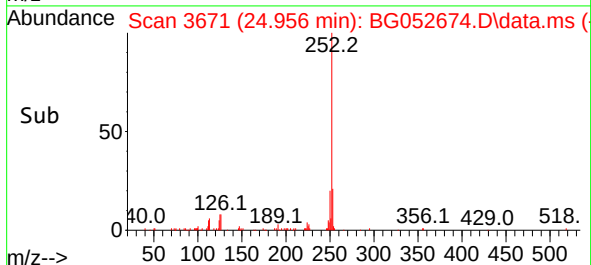
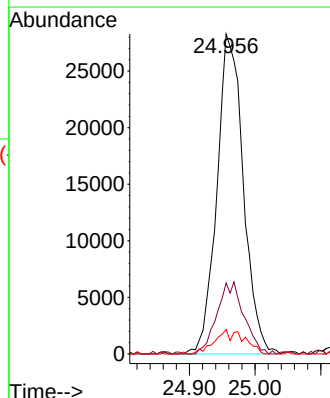
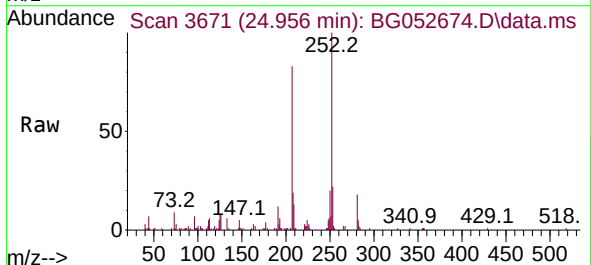
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT1-2022

Tgt Ion:252 Resp: 82419  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.4 26.0  
125 7.3 5.0 7.4

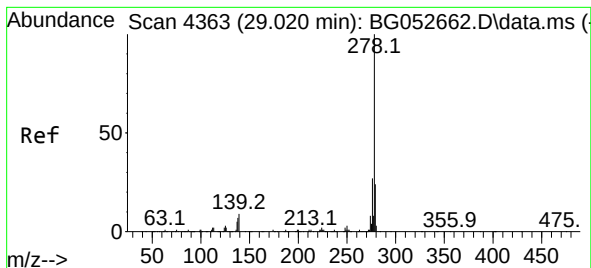


#90  
Benzo(a)pyrene  
Concen: 5.206 ng  
RT: 24.956 min Scan# 3671  
Delta R.T. -0.023 min  
Lab File: BG052674.D  
Acq: 16 Mar 2022 11:01

Tgt Ion:252 Resp: 79026  
Ion Ratio Lower Upper  
252 100  
253 22.2 18.4 27.6  
125 7.6 5.6 8.4







#91

Dibenzo(a,h)anthracene

Concen: 4.595 ng

RT: 28.980 min Scan# 41

Delta R.T. -0.041 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT1-2022

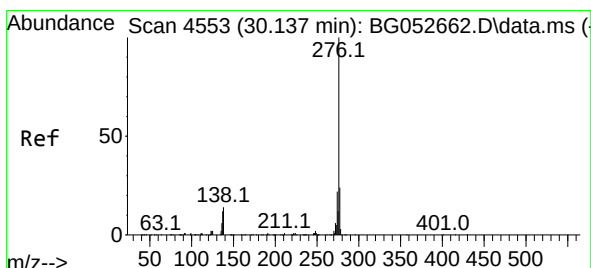
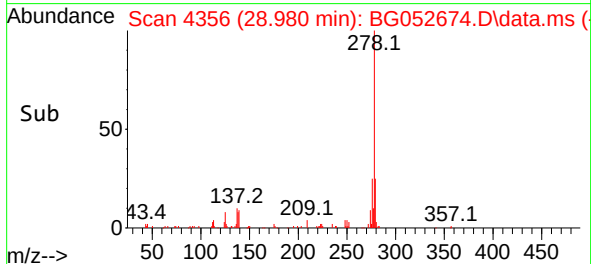
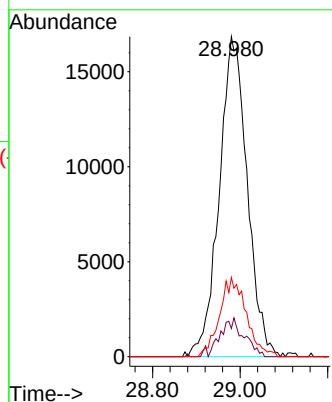
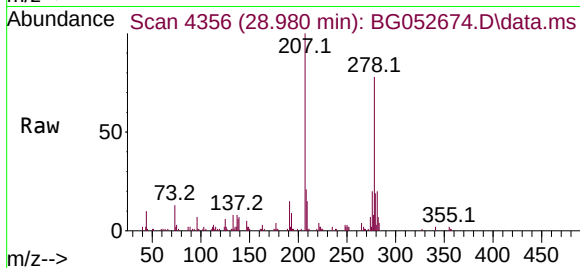
Tgt Ion:278 Resp: 74846

Ion Ratio Lower Upper

278 100

139 8.8 7.8 11.6

279 24.7 18.5 27.7



#92

Benzo(g,h,i)perylene

Concen: 4.604 ng

RT: 30.096 min Scan# 4546

Delta R.T. -0.041 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

Tgt Ion:276 Resp: 74202

Ion Ratio Lower Upper

276 100

277 23.4 18.2 27.2

138 14.3 9.1 13.7#

