

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072919\  
 Data File : BG041789.D  
 Acq On : 29 Jul 2019 15:05  
 Operator : HP/JU  
 Sample : K3591-02  
 Misc : LOQ-SOIL-10PPM  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2019

Quant Time: Jul 30 07:38:53 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG072719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 29 12:47:21 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.05  | 152  | 93155    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.87 | 136  | 397747   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.70 | 164  | 296300   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.45 | 188  | 664616   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.74 | 240  | 667617   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 25.02 | 264  | 762281   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.59  | 112 | 586949  | 122.59 | ng | 0.00 |
| 7) Phenol-d6                | 7.20  | 99  | 779104  | 120.70 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 9.21  | 82  | 487031  | 84.26  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 16.19 | 330 | 429869  | 127.73 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 13.32 | 172 | 1358638 | 80.87  | ng | 0.00 |
| 79) Terphenyl-d14           | 20.07 | 244 | 2169827 | 74.37  | ng | 0.00 |

|                                |       |     |        |           |        |
|--------------------------------|-------|-----|--------|-----------|--------|
| Target Compounds               |       |     |        |           | Qvalue |
| 2) 1,4-Dioxane                 | 3.48  | 88  | 24048  | 10.671 ng | 94     |
| 3) Pyridine                    | 3.88  | 79  | 49151  | 7.954 ng  | 88     |
| 4) n-Nitrosodimethylamine      | 3.79  | 42  | 21718  | 8.865 ng  | 93     |
| 6) Aniline                     | 7.36  | 93  | 86318  | 9.497 ng  | 97     |
| 8) 2-Chlorophenol              | 7.61  | 128 | 55156  | 10.060 ng | 91     |
| 9) Benzaldehyde                | 7.17  | 77  | 48610  | 10.702 ng | 96     |
| 10) Phenol                     | 7.22  | 94  | 67531  | 10.056 ng | 96     |
| 11) bis(2-Chloroethyl)ether    | 7.46  | 93  | 54268  | 9.830 ng  | 92     |
| 12) 1,3-Dichlorobenzene        | 7.94  | 146 | 66755  | 9.329 ng  | 97     |
| 13) 1,4-Dichlorobenzene        | 8.08  | 146 | 68464  | 9.562 ng  | 97     |
| 14) 1,2-Dichlorobenzene        | 8.41  | 146 | 63108  | 9.237 ng  | 97     |
| 15) Benzyl Alcohol             | 8.28  | 79  | 47582  | 9.370 ng  | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58  | 45  | 91639  | 9.330 ng  | 95     |
| 17) 2-Methylphenol             | 8.48  | 107 | 47259  | 9.677 ng  | 93     |
| 18) Hexachloroethane           | 9.15  | 117 | 22601  | 9.218 ng  | 93     |
| 19) n-Nitroso-di-n-propylamine | 8.85  | 70  | 45286  | 9.663 ng  | 88     |
| 20) 3+4-Methylphenols          | 8.81  | 107 | 64346  | 9.628 ng  | 98     |
| 22) Acetophenone               | 8.87  | 105 | 87528  | 9.838 ng  | # 93   |
| 24) Nitrobenzene               | 9.25  | 77  | 63099  | 10.363 ng | 95     |
| 25) Isophorone                 | 9.78  | 82  | 126364 | 10.050 ng | 97     |
| 26) 2-Nitrophenol              | 9.97  | 139 | 27467  | 9.719 ng  | 89     |
| 27) 2,4-Dimethylphenol         | 10.03 | 122 | 55278  | 11.083 ng | 95     |
| 28) bis(2-Chloroethoxy)methane | 10.27 | 93  | 78237  | 9.957 ng  | 99     |
| 29) 2,4-Dichlorophenol         | 10.51 | 162 | 58439  | 9.621 ng  | 95     |
| 30) 1,2,4-Trichlorobenzene     | 10.73 | 180 | 72339  | 9.392 ng  | 99     |
| 31) Naphthalene                | 10.92 | 128 | 186805 | 10.262 ng | 96     |
| 32) Benzoic acid               | 10.10 | 122 | 9672   | 10.949 ng | 96     |
| 33) 4-Chloroaniline            | 11.02 | 127 | 81466  | 9.437 ng  | 96     |
| 34) Hexachlorobutadiene        | 11.22 | 225 | 47202  | 9.080 ng  | 98     |
| 35) Caprolactam                | 11.77 | 113 | 21646  | 10.255 ng | # 76   |
| 36) 4-Chloro-3-methylphenol    | 12.14 | 107 | 60001  | 9.964 ng  | 96     |
| 37) 2-Methylnaphthalene        | 12.53 | 142 | 150819 | 10.467 ng | 98     |
| 38) 1-Methylnaphthalene        | 12.75 | 142 | 142573 | 10.441 ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.90 | 216 | 91591  | 9.765 ng  | 97     |

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 Sample : K3591-02  
 Misc : LOO-SOIL-10PPM  
 ALS Vial : 7 Sample Multiplier: 1

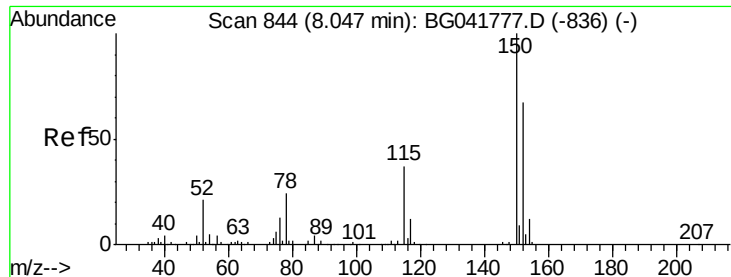
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2019

Quant Time: Jul 30 07:38:53 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG072719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 29 12:47:21 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.88 | 237  | 50587    | 9.593  | nq    | 98       |
| 43) 2,4,6-Trichlorophenol      | 13.13 | 196  | 53905    | 9.093  | nq    | 96       |
| 44) 2,4,5-Trichlorophenol      | 13.20 | 196  | 62066    | 10.075 | nq    | 98       |
| 46) 1,1'-Biphenyl              | 13.53 | 154  | 195585   | 10.269 | nq    | 96       |
| 47) 2-Chloronaphthalene        | 13.58 | 162  | 156209   | 9.633  | nq    | 95       |
| 48) 2-Nitroaniline             | 13.77 | 65   | 37362    | 9.084  | nq    | 92       |
| 49) Acenaphthylene             | 14.42 | 152  | 258438   | 10.654 | nq    | 96       |
| 50) Dimethylphthalate          | 14.15 | 163  | 208773   | 10.317 | nq    | 98       |
| 51) 2,6-Dinitrotoluene         | 14.26 | 165  | 43572    | 10.297 | nq    | 88       |
| 52) Acenaphthene               | 14.77 | 154  | 152988   | 9.697  | nq    | 98       |
| 53) 3-Nitroaniline             | 14.59 | 138  | 42674    | 9.427  | nq    | # 88     |
| 54) 2,4-Dinitrophenol          | 14.80 | 184  | 13371    | 10.302 | nq    | 88       |
| 55) Dibenzofuran               | 15.10 | 168  | 257842   | 10.685 | nq    | 91       |
| 56) 4-Nitrophenol              | 14.89 | 139  | 32246    | 9.384  | nq    | 90       |
| 57) 2,4-Dinitrotoluene         | 15.05 | 165  | 57897    | 9.950  | nq    | 91       |
| 58) Fluorene                   | 15.75 | 166  | 208174   | 10.750 | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.32 | 232  | 59214    | 9.705  | nq    | # 93     |
| 60) Diethylphthalate           | 15.51 | 149  | 203052   | 10.221 | nq    | 96       |
| 61) 4-Chlorophenyl-phenylether | 15.74 | 204  | 118132   | 9.992  | nq    | 92       |
| 62) 4-Nitroaniline             | 15.75 | 138  | 47611    | 9.710  | nq    | 95       |
| 63) Azobenzene                 | 16.04 | 77   | 164252   | 10.121 | nq    | 94       |
| 65) 4,6-Dinitro-2-methylphenol | 15.82 | 198  | 27106    | 13.996 | nq    | 88       |
| 66) n-Nitrosodiphenylamine     | 15.96 | 169  | 186902   | 10.324 | nq    | 95       |
| 67) 4-Bromophenyl-phenylether  | 16.64 | 248  | 75739    | 9.251  | nq    | 96       |
| 68) Hexachlorobenzene          | 16.76 | 284  | 81123    | 9.472  | nq    | 92       |
| 69) Atrazine                   | 16.90 | 200  | 70741    | 9.945  | nq    | 96       |
| 70) Pentachlorophenol          | 17.10 | 266  | 39571    | 8.133  | nq    | # 88     |
| 71) Phenanthrene               | 17.49 | 178  | 346691   | 10.883 | nq    | # 91     |
| 72) Anthracene                 | 17.59 | 178  | 349315   | 10.994 | nq    | # 90     |
| 73) Carbazole                  | 17.85 | 167  | 307468   | 10.782 | nq    | # 92     |
| 74) Di-n-butylphthalate        | 18.42 | 149  | 341596   | 10.566 | nq    | # 92     |
| 75) Fluoranthene               | 19.50 | 202  | 440474   | 11.375 | nq    | 89       |
| 77) Benzidine                  | 19.68 | 184  | 213874   | 9.815  | nq    | 97       |
| 78) Pyrene                     | 19.87 | 202  | 449251   | 11.358 | nq    | # 88     |
| 80) Butylbenzylphthalate       | 20.76 | 149  | 143688   | 9.475  | nq    | 91       |
| 81) Benzo(a)anthracene         | 21.72 | 228  | 419562   | 10.622 | nq    | 91       |
| 82) 3,3'-Dichlorobenzidine     | 21.63 | 252  | 167015   | 10.531 | nq    | 100      |
| 83) Chrysene                   | 21.78 | 228  | 405658   | 10.714 | nq    | 90       |
| 84) Bis(2-ethylhexyl)phthalate | 21.64 | 149  | 212721   | 10.169 | nq    | 97       |
| 85) Di-n-octyl phthalate       | 22.88 | 149  | 352682   | 10.018 | nq    | # 90     |
| 86) Indeno(1,2,3-cd)pyrene     | 28.75 | 276  | 471874   | 9.415  | nq    | # 87     |
| 88) Benzo(b)fluoranthene       | 23.97 | 252  | 423093   | 10.146 | nq    | # 91     |
| 89) Benzo(k)fluoranthene       | 24.04 | 252  | 433281   | 10.667 | nq    | # 91     |
| 90) Benzo(a)pyrene             | 24.86 | 252  | 417078   | 10.429 | nq    | # 94     |
| 91) Dibenzo(a,h)anthracene     | 28.82 | 278  | 390832   | 9.952  | nq    | # 95     |
| 92) Benzo(g,h,i)perylene       | 29.91 | 276  | 395120   | 10.071 | nq    | 96       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 844

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

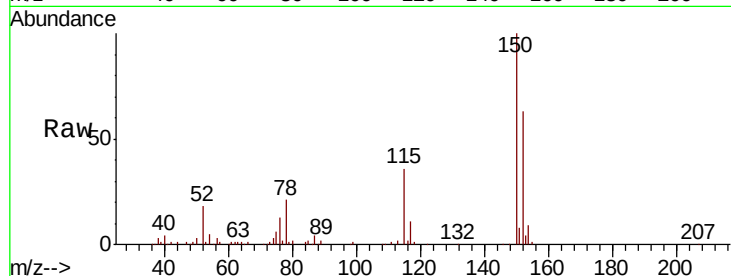
Tot Ion:152 Resp: 93155

Ion Ratio Lower Upper

152 100

150 159.9 126.9 190.3

115 57.0 45.0 67.6

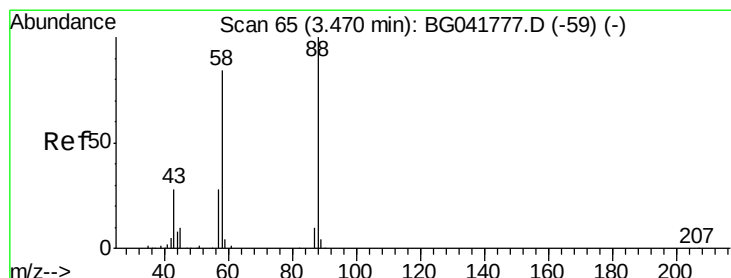
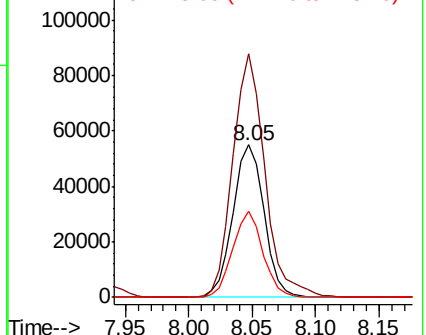
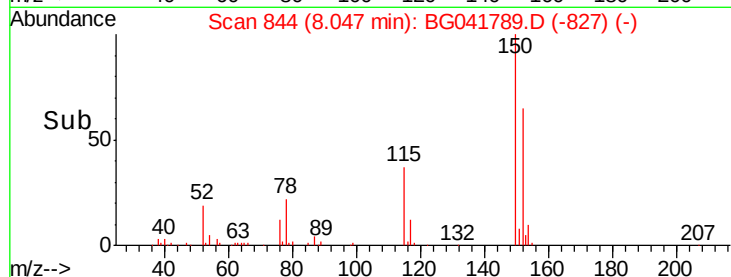


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 10.671 ng

RT: 3.48 min Scan# 66

Delta R.T. 0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

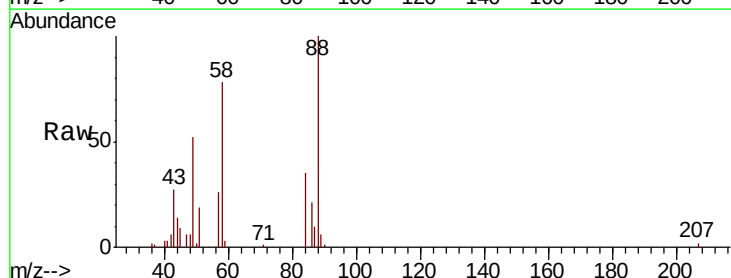
Tgt Ion: 88 Resp: 24048

Ion Ratio Lower Upper

88 100

58 87.9 76.2 114.2

43 31.9 27.2 40.8

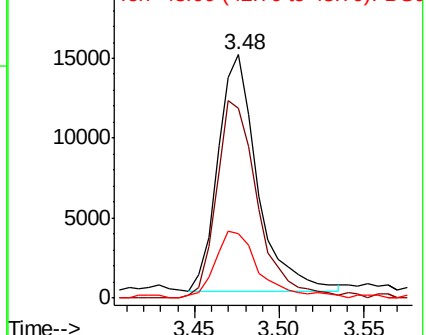
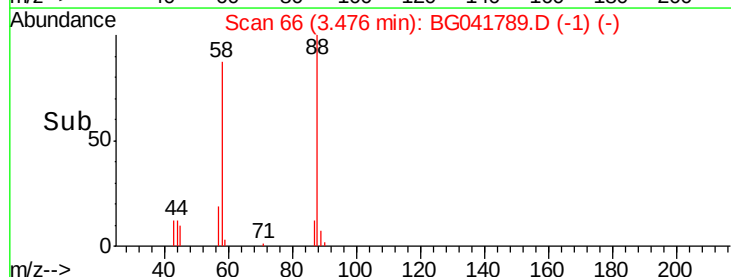


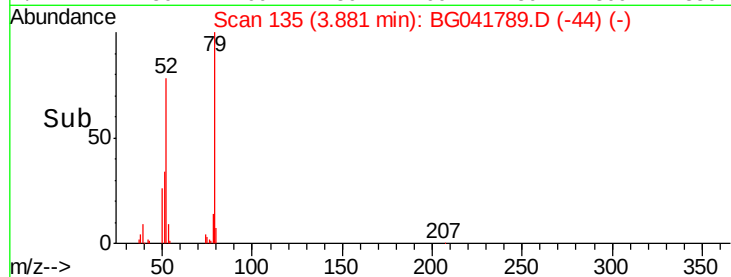
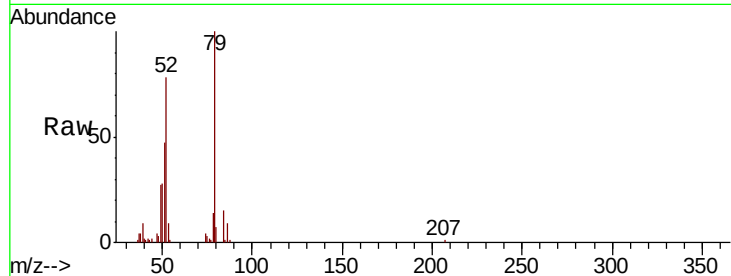
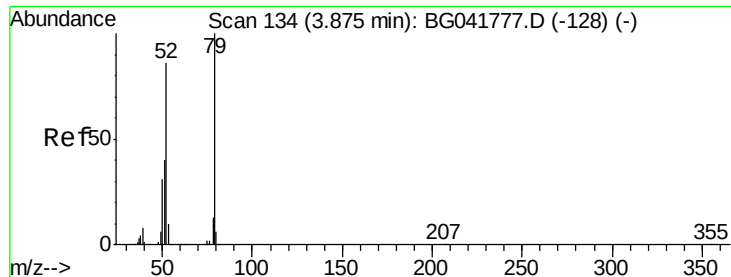
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC

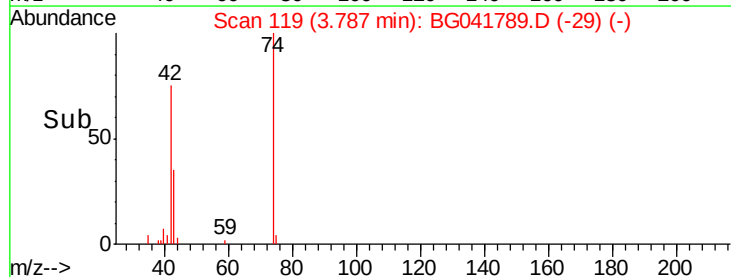
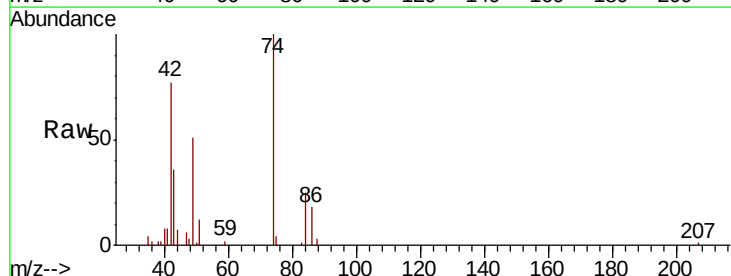
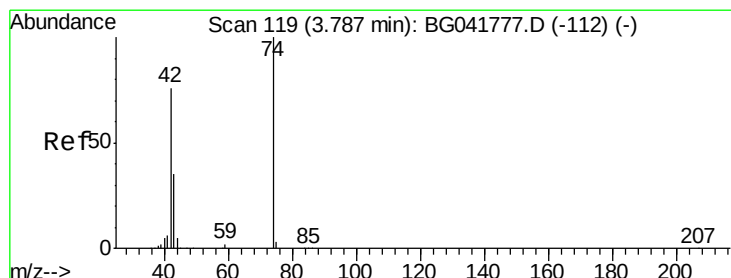
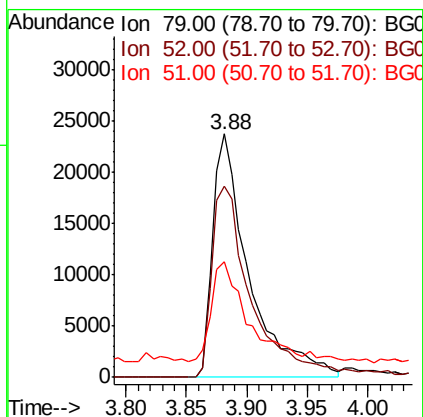




#3  
 Pvridine  
 Concen: 7.954 ng  
 RT: 3.88 min Scan# 135  
 Delta R.T. 0.01 min  
 Lab File: BG041789.D  
 Acq: 29 Jul 2019 15:05

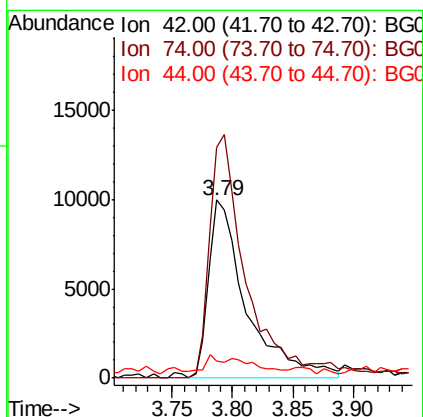
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2019

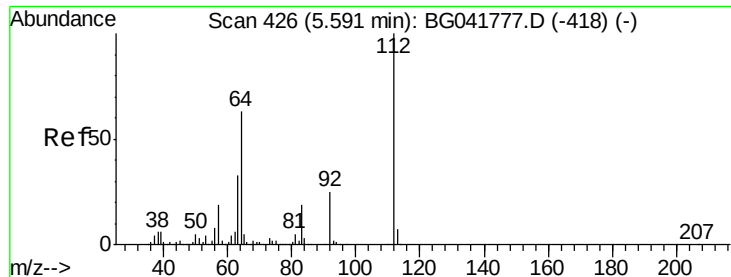
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 79    | Resp: | 49151 |
| Ion      | Ratio | Lower | Upper |
| 79       | 100   |       |       |
| 52       | 78.3  | 77.1  | 115.7 |
| 51       | 47.3  | 37.8  | 56.8  |



#4  
 n-Nitrosodimethylamine  
 Concen: 8.865 ng  
 RT: 3.79 min Scan# 119  
 Delta R.T. 0.00 min  
 Lab File: BG041789.D  
 Acq: 29 Jul 2019 15:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 21718 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 129.6 | 97.4  | 146.2 |
| 44       | 9.3   | 6.6   | 9.8   |





#5

2-Fluorophenol

Concen: 122.589 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

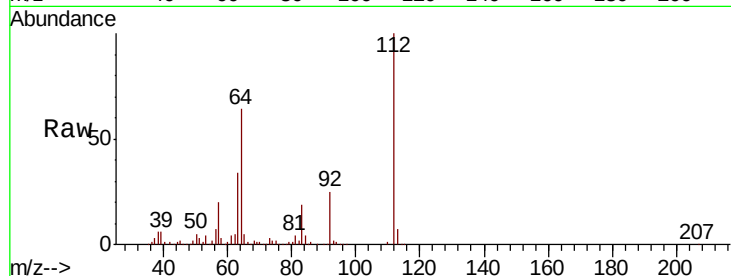
Tot Ion:112 Resp: 586949

Ion Ratio Lower Upper

112 100

64 64.5 55.4 83.2

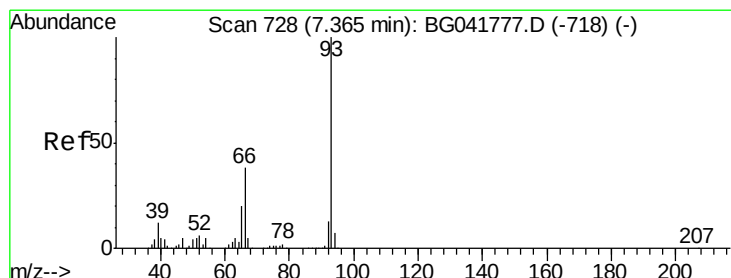
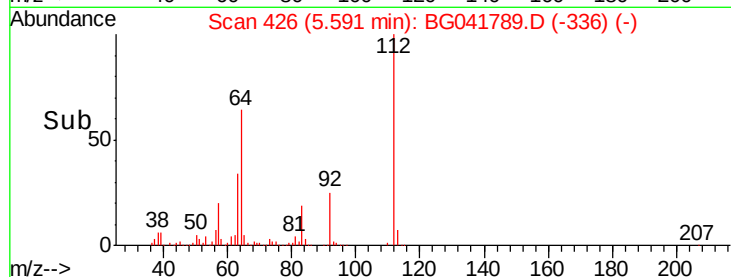
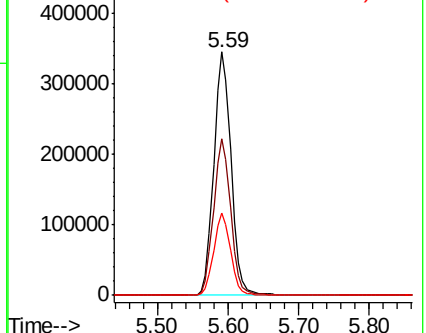
63 34.0 29.1 43.7



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 9.497 ng

RT: 7.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

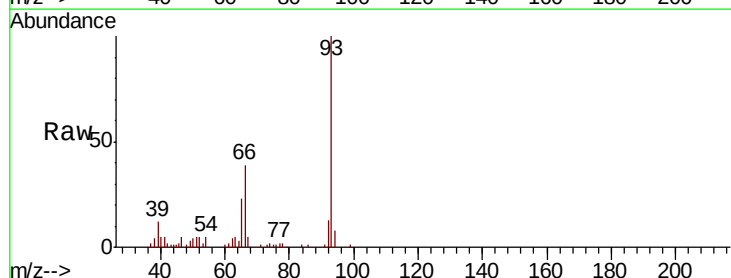
Tgt Ion: 93 Resp: 86318

Ion Ratio Lower Upper

93 100

66 39.4 34.2 51.2

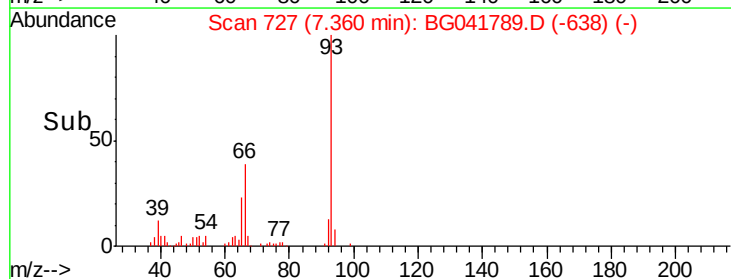
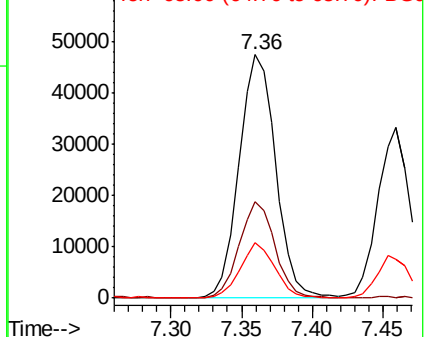
65 22.6 18.2 27.2

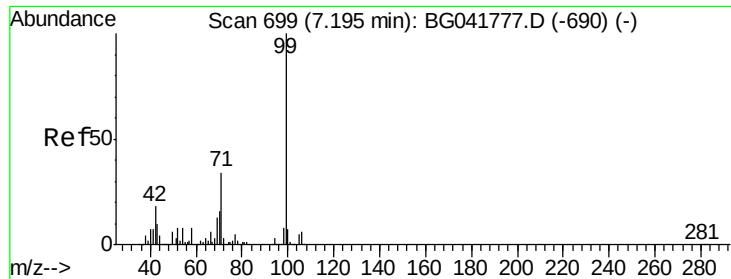


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 120.700 ng

RT: 7.20 min Scan# 699

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

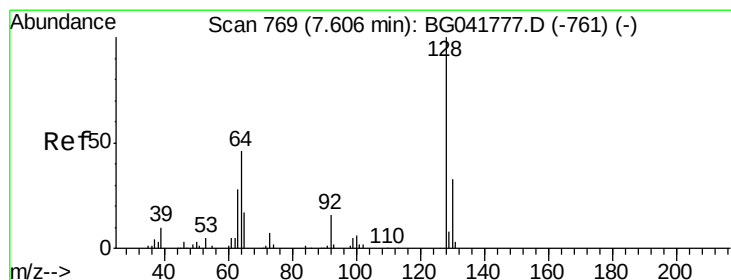
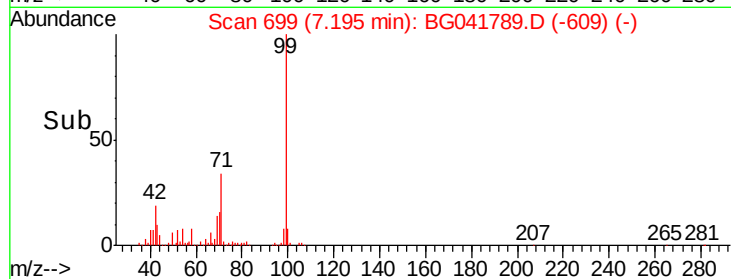
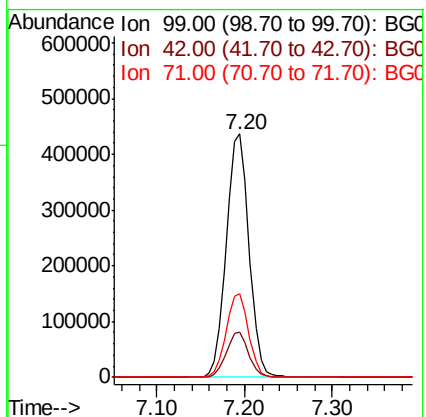
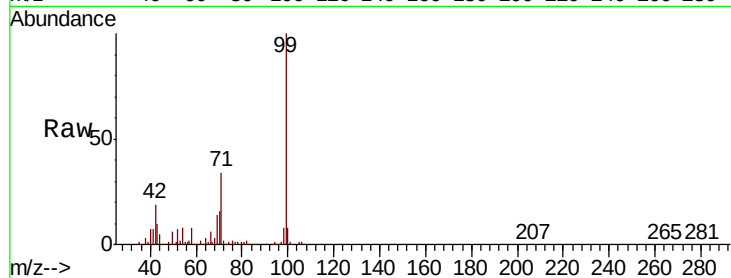
Tot Ion: 99 Resp: 779104

Ion Ratio Lower Upper

99 100

42 18.5 17.6 26.4

71 34.3 27.8 41.6



#8

2-Chlorophenol

Concen: 10.060 ng

RT: 7.61 min Scan# 769

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

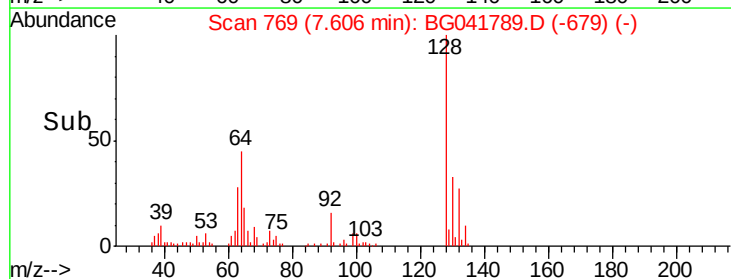
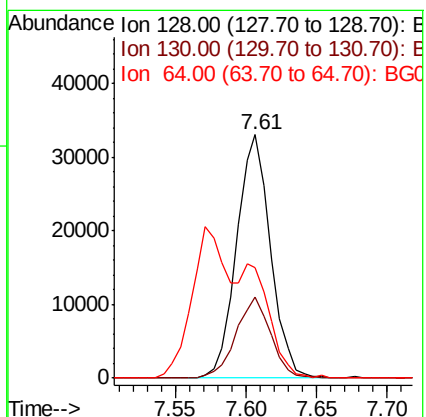
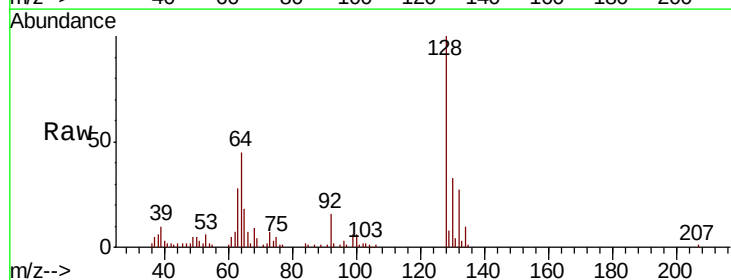
Tgt Ion: 128 Resp: 55156

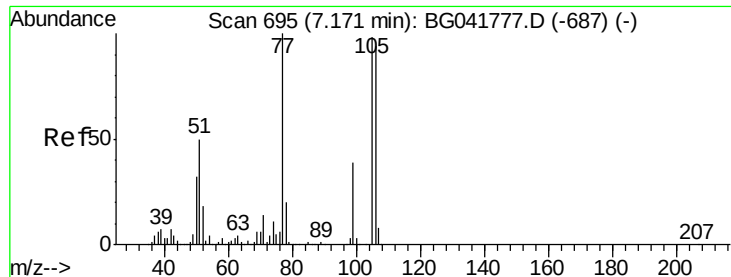
Ion Ratio Lower Upper

128 100

130 33.5 12.4 52.4

64 45.3 34.9 74.9





#9

Benzaldehyde

Concen: 10.702 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

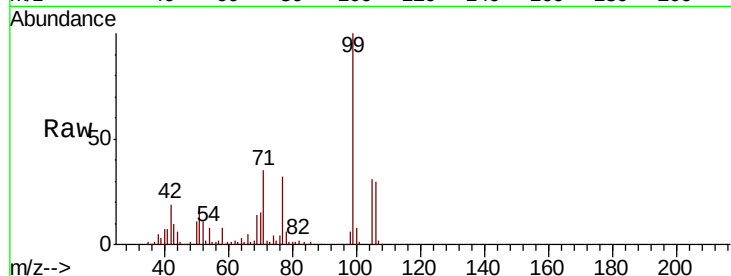
Tot Ion: 77 Resp: 48610

Ion Ratio Lower Upper

77 100

105 99.4 74.6 114.6

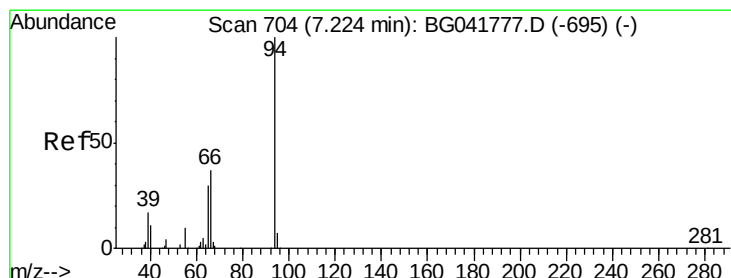
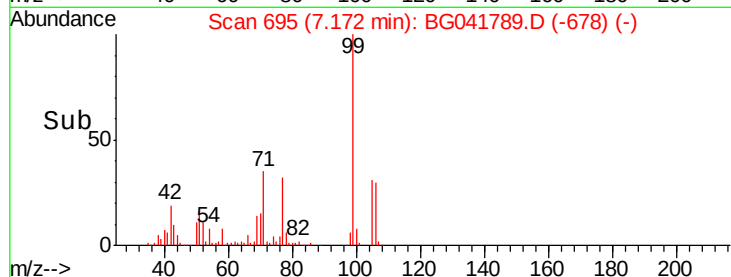
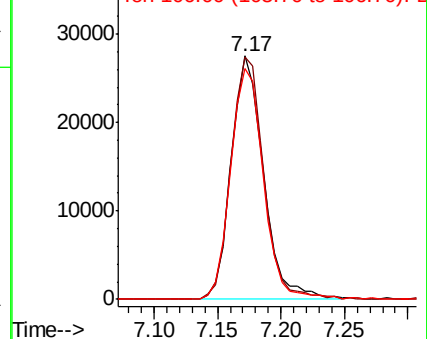
106 94.7 71.1 111.1



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 10.056 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

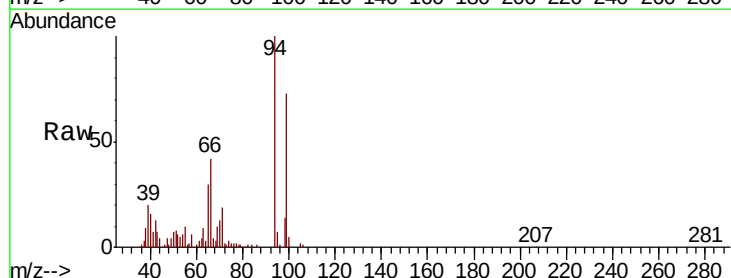
Tgt Ion: 94 Resp: 67531

Ion Ratio Lower Upper

94 100

65 29.8 10.6 50.6

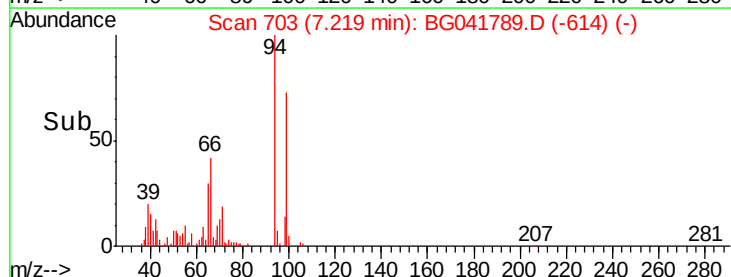
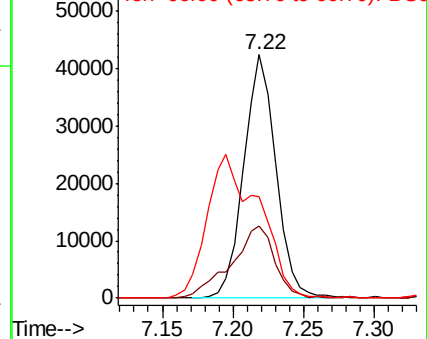
66 41.8 18.2 58.2



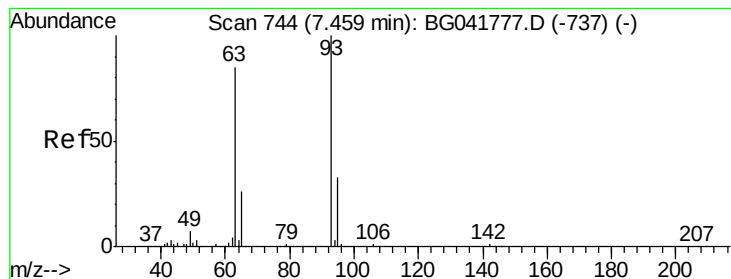
Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC







#11

bis(2-Chloroethyl)ether

Concen: 9.830 ng

RT: 7.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

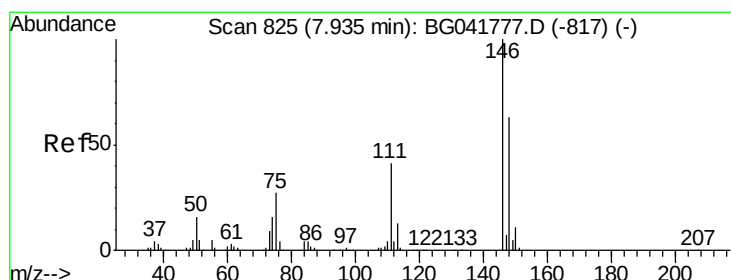
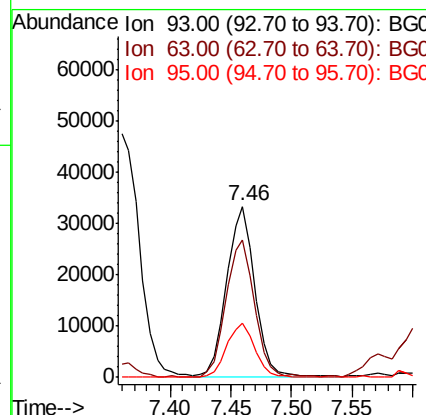
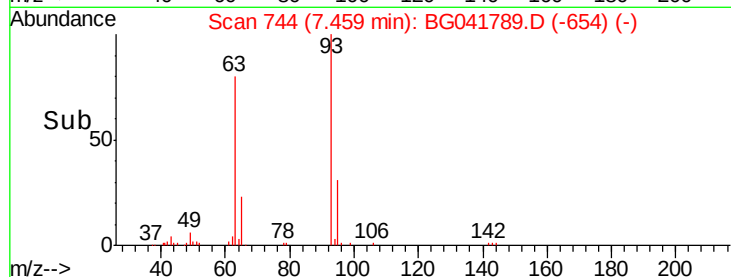
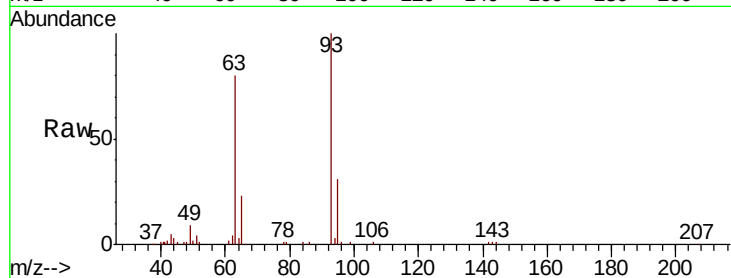
Tot Ion: 93 Resp: 54268

Ion Ratio Lower Upper

93 100

63 80.5 70.4 110.4

95 31.3 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 9.329 ng

RT: 7.94 min Scan# 825

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

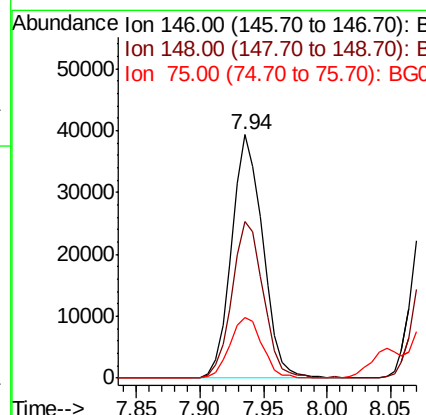
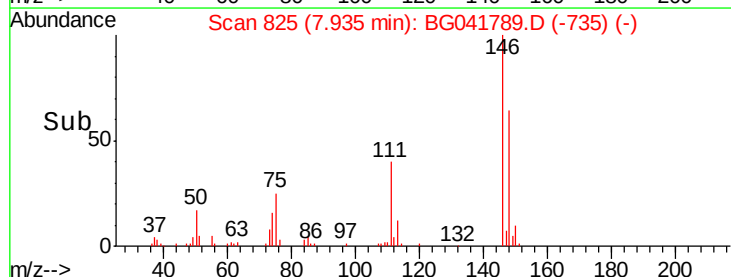
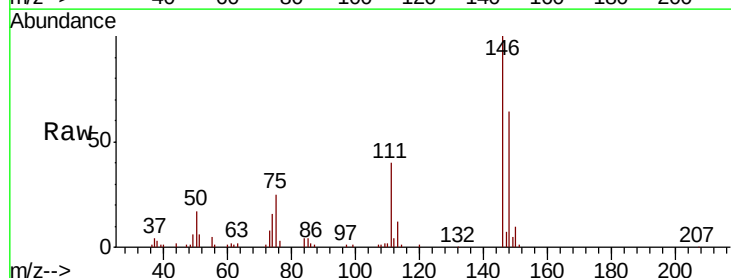
Tgt Ion: 146 Resp: 66755

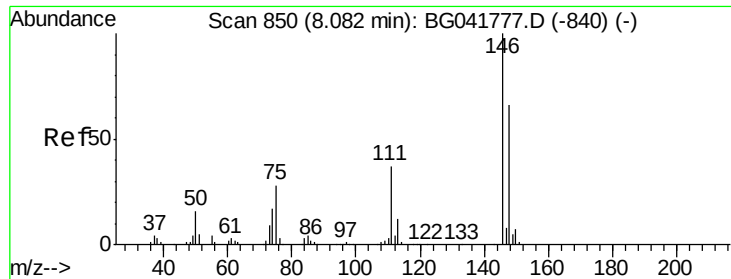
Ion Ratio Lower Upper

146 100

148 64.3 51.5 77.3

75 24.7 23.2 34.8

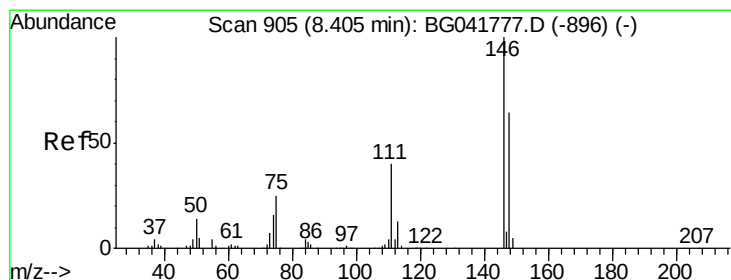
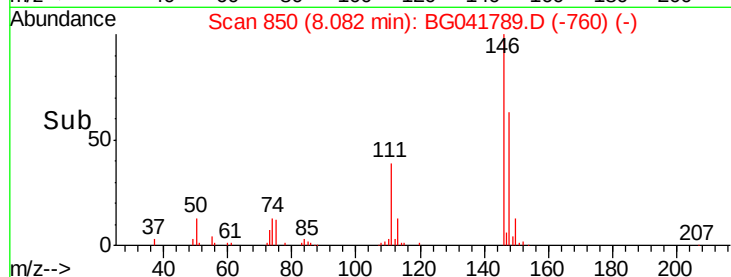
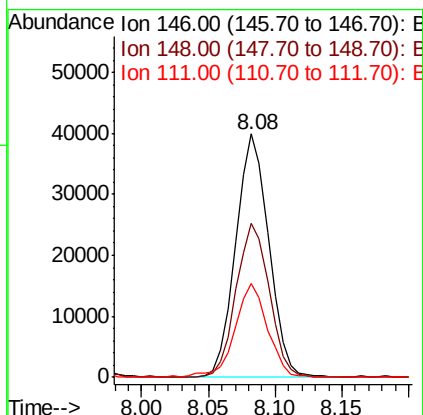
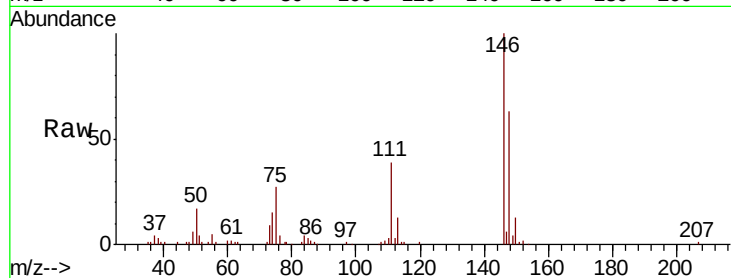




#13  
 1,4-Dichlorobenzene  
 Concen: 9.562 ng  
 RT: 8.08 min Scan# 850  
 Delta R.T. 0.00 min  
 Lab File: BG041789.D  
 Acq: 29 Jul 2019 15:05

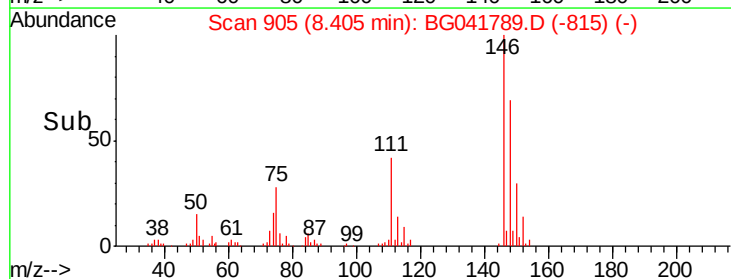
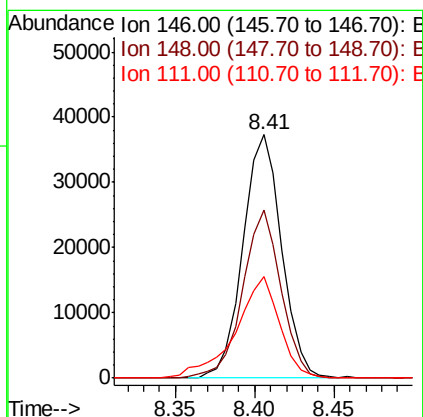
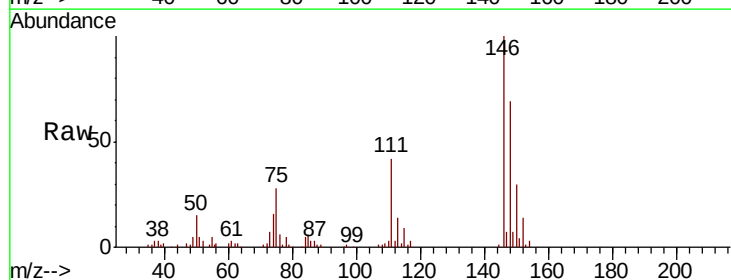
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2019

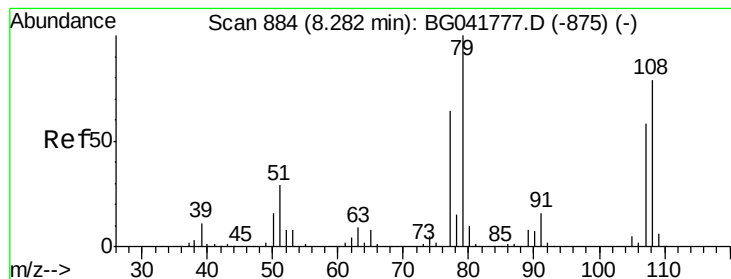
Tot Ion:146 Resp: 68464  
 Ion Ratio Lower Upper  
 146 100  
 148 63.1 52.6 79.0  
 111 38.6 32.5 48.7



#14  
 1,2-Dichlorobenzene  
 Concen: 9.237 ng  
 RT: 8.41 min Scan# 905  
 Delta R.T. 0.00 min  
 Lab File: BG041789.D  
 Acq: 29 Jul 2019 15:05

Tgt Ion:146 Resp: 63108  
 Ion Ratio Lower Upper  
 146 100  
 148 69.2 53.5 80.3  
 111 41.7 35.4 53.0





#15

Benzyl Alcohol

Concen: 9.370 ng

RT: 8.28 min Scan# 884

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

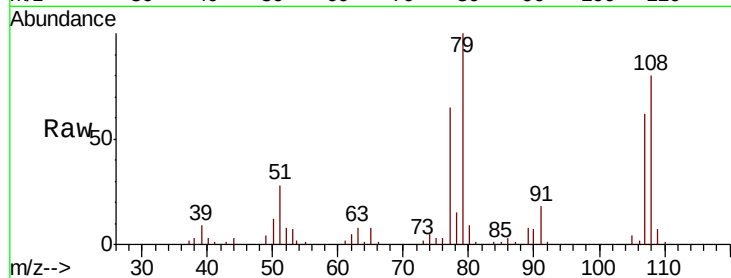
Tot Ion: 79 Resp: 47582

Ion Ratio Lower Upper

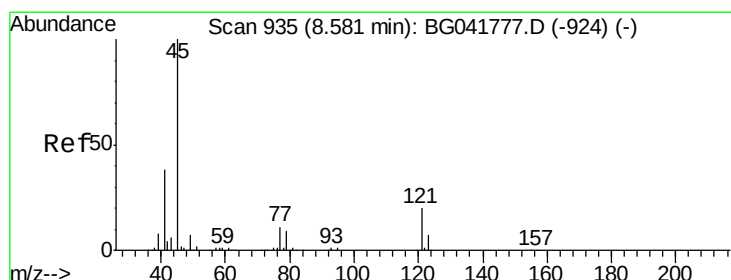
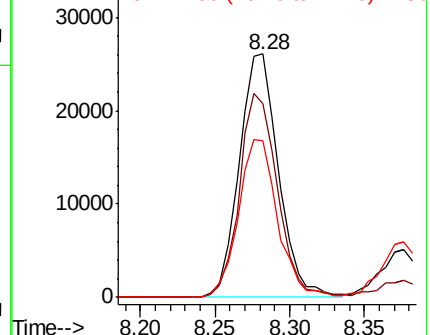
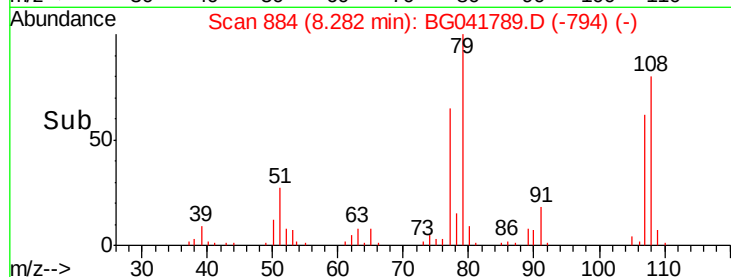
79 100

108 79.8 60.5 90.7

77 64.5 50.6 75.8



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-chloropropane)

Concen: 9.330 ng

RT: 8.58 min Scan# 935

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

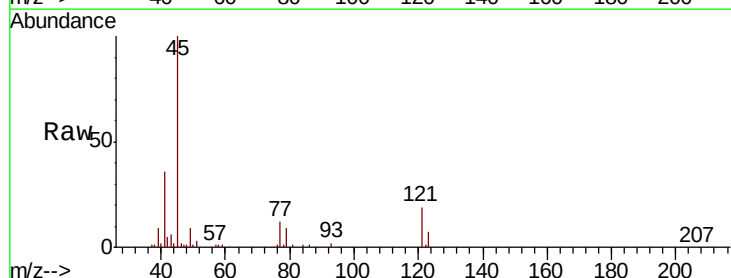
Tgt Ion: 45 Resp: 91639

Ion Ratio Lower Upper

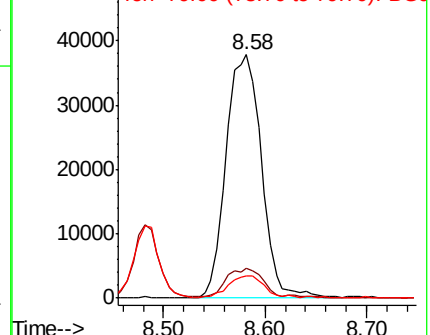
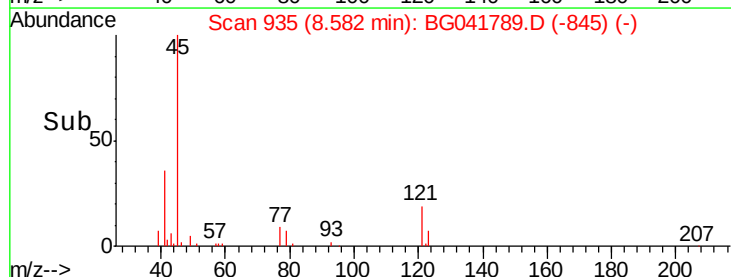
45 100

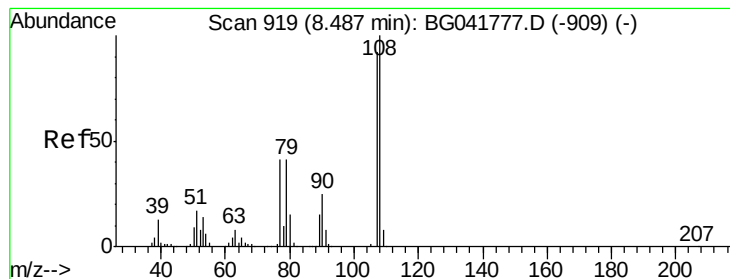
77 12.4 0.0 30.4

79 9.2 0.0 27.9



Abundance Ion 45.00 (44.70 to 45.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC  
Ion 79.00 (78.70 to 79.70): BGC





#17

2-Methylphenol

Concen: 9.677 ng

RT: 8.48 min Scan# 918

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tot Ion:107 Resp: 47259

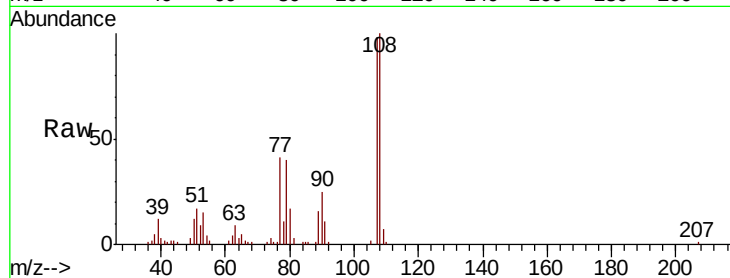
Ion Ratio Lower Upper

107 100

108 101.9 87.6 131.4

77 42.0 36.1 54.1

79 40.9 36.4 54.6

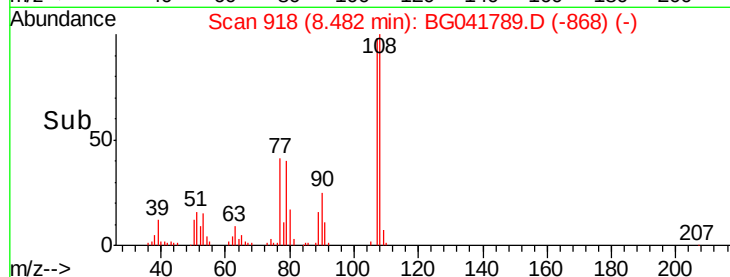


Abundance Ion 107.00 (106.70 to 107.70): E

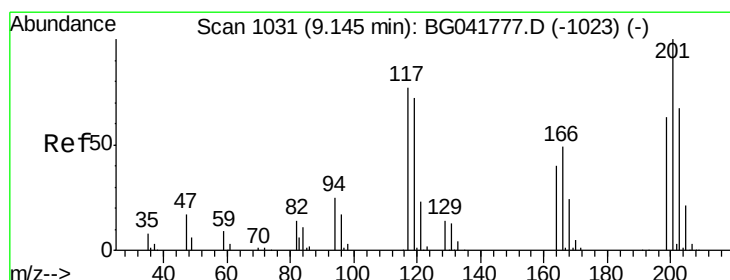
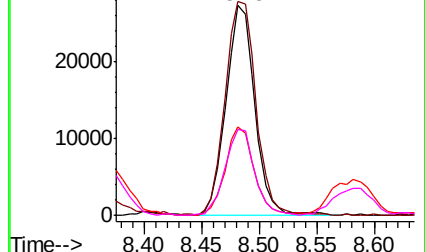
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



Time-->



#18

Hexachloroethane

Concen: 9.218 ng

RT: 9.15 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

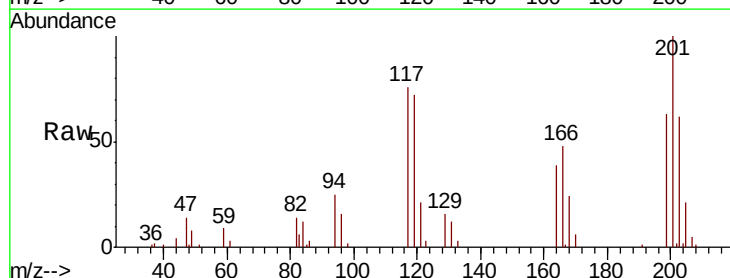
Tgt Ion:117 Resp: 22601

Ion Ratio Lower Upper

117 100

119 95.2 76.2 114.2

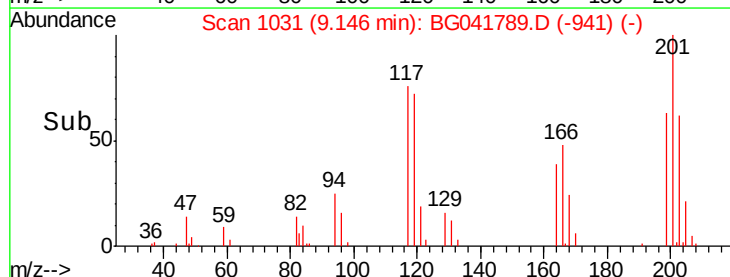
201 131.6 94.1 141.1



Abundance Ion 117.00 (116.70 to 117.70): E

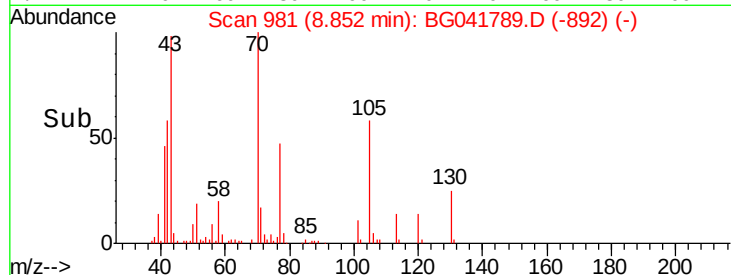
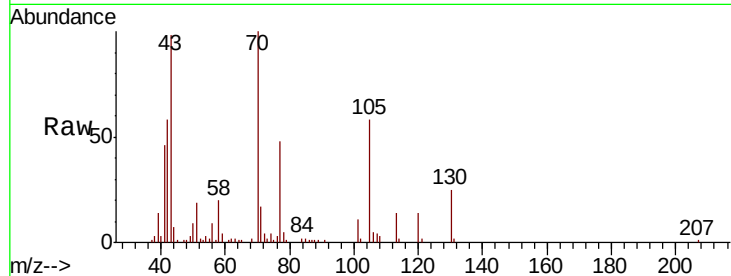
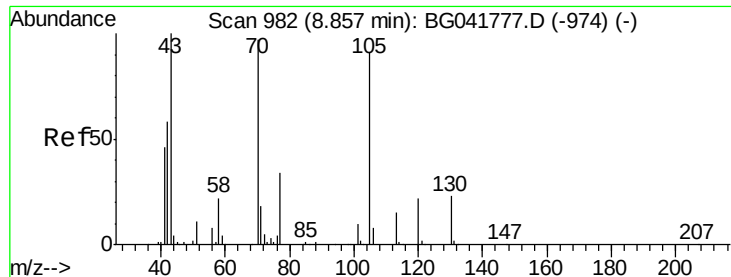
Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



Time-->

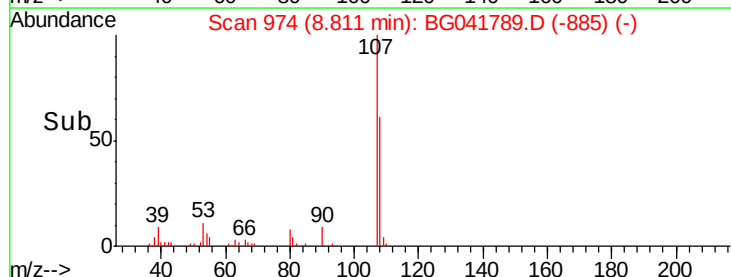
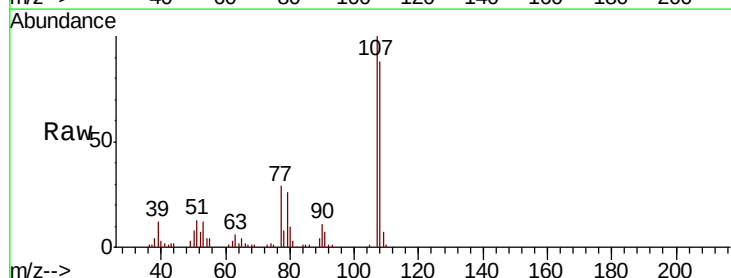
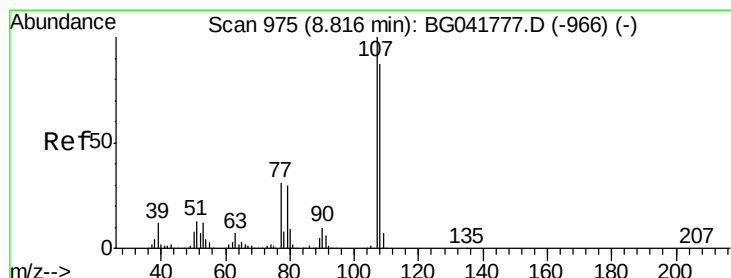
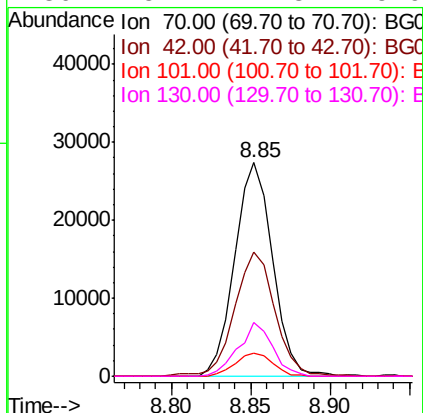




#19  
n-Nitroso-di-n-propylamine  
Concen: 9.663 ng  
RT: 8.85 min Scan# 981  
Delta R.T. -0.01 min  
Lab File: BG041789.D  
Acq: 29 Jul 2019 15:05

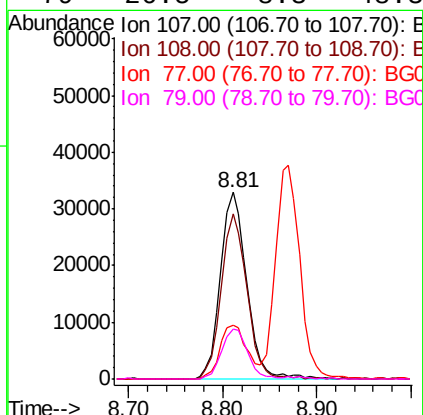
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2019

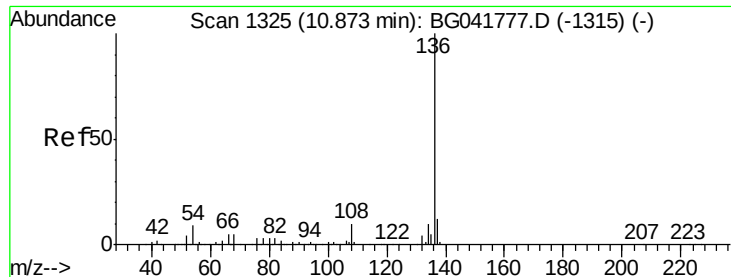
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 70    | Resp: | 45286 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 58.0  | 55.8  | 83.6  |
| 101      | 10.6  | 8.1   | 12.1  |
| 130      | 25.2  | 17.3  | 25.9  |



#20  
3+4-Methylphenols  
Concen: 9.628 ng  
RT: 8.81 min Scan# 974  
Delta R.T. -0.01 min  
Lab File: BG041789.D  
Acq: 29 Jul 2019 15:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 64346 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 88.3  | 67.5  | 107.5 |
| 77       | 29.1  | 12.3  | 52.3  |
| 79       | 26.5  | 8.3   | 48.3  |

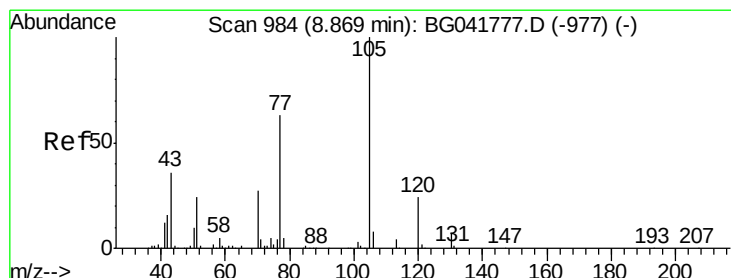
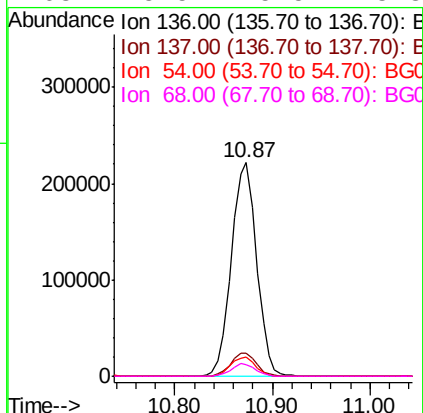
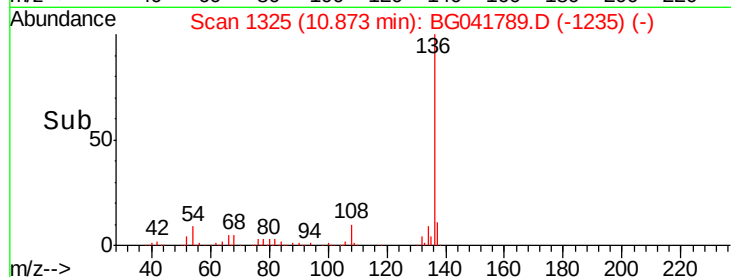
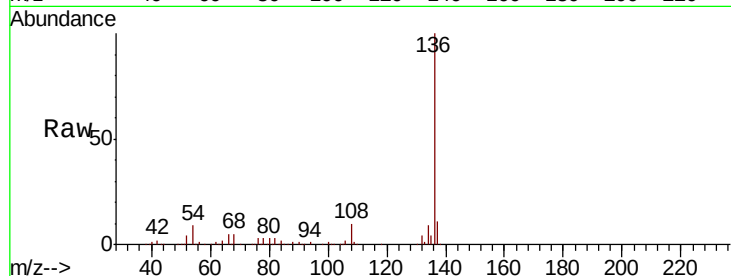




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.87 min Scan# 1325  
Delta R.T. 0.00 min  
Lab File: BG041789.D  
Acq: 29 Jul 2019 15:05

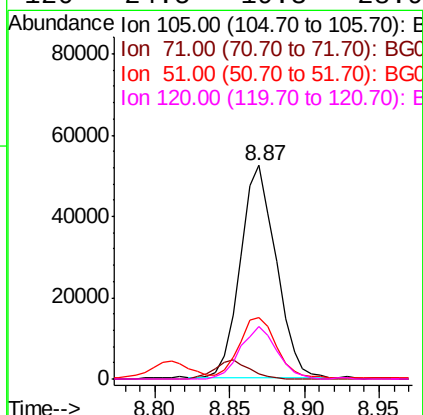
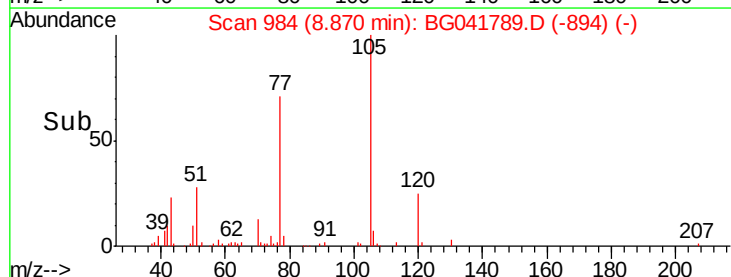
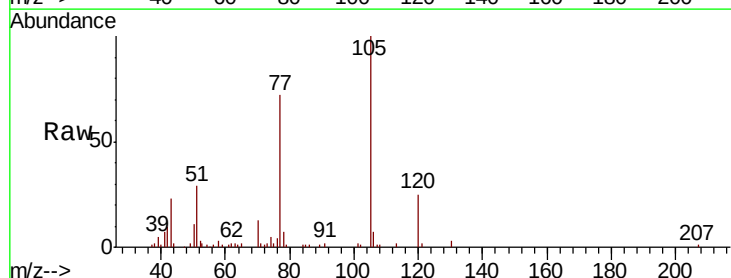
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2019

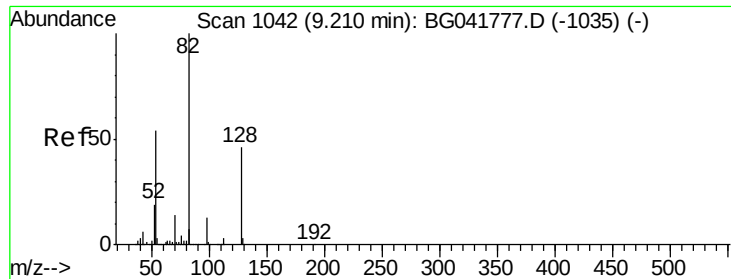
|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 397747      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.0  | 9.2 13.8    |
| 54          | 8.8   | 8.7 13.1    |
| 68          | 5.5   | 5.5 8.3#    |



#22  
Acetophenone  
Concen: 9.838 ng  
RT: 8.87 min Scan# 984  
Delta R.T. 0.00 min  
Lab File: BG041789.D  
Acq: 29 Jul 2019 15:05

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:105 | Resp: | 87528       |
| Ion         | Ratio | Lower Upper |
| 105         | 100   |             |
| 71          | 2.3   | 5.9 8.9#    |
| 51          | 29.0  | 27.7 41.5   |
| 120         | 24.5  | 19.3 28.9   |

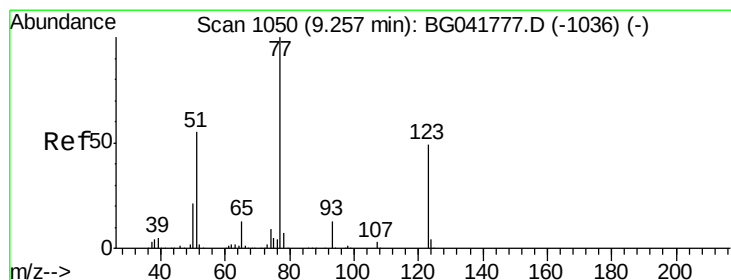
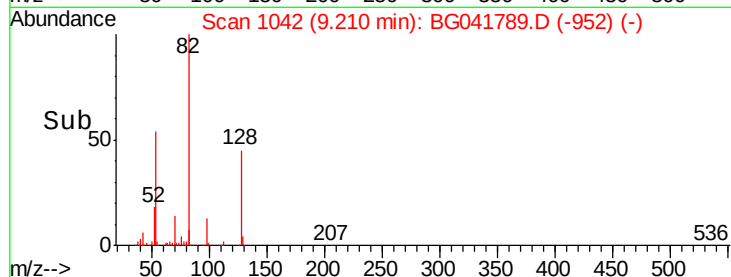
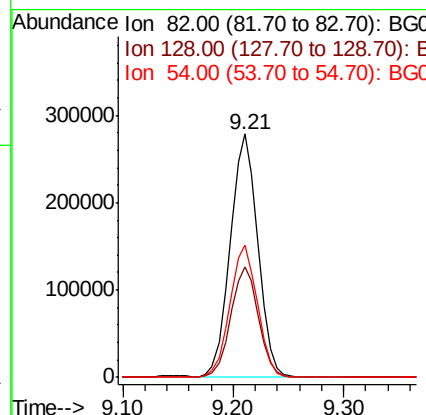
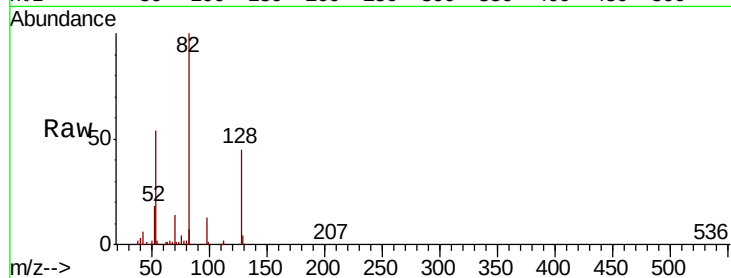




#23  
 Nitrobenzene-d5  
 Concen: 84.264 ng  
 RT: 9.21 min Scan# 1042  
 Delta R.T. 0.00 min  
 Lab File: BG041789.D  
 Acq: 29 Jul 2019 15:05

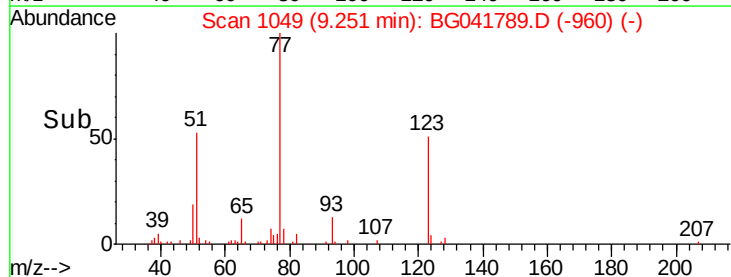
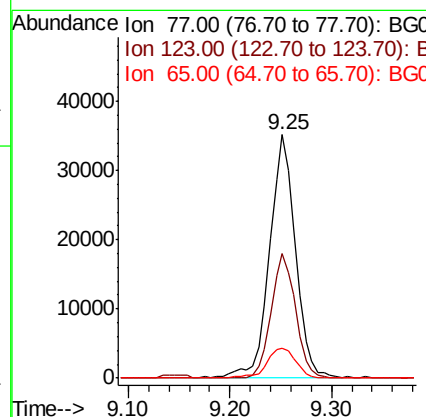
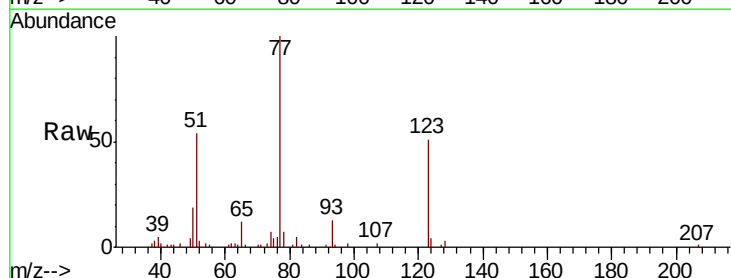
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2019

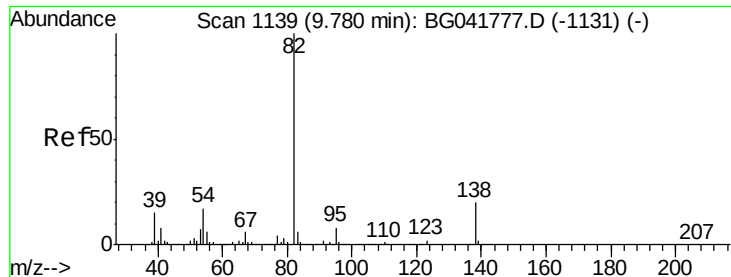
| Tot Ion   | 82    | Resp  | 487031 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 45.5  | 35.1  | 52.7   |
| 54        | 54.2  | 48.7  | 73.1   |



#24  
 Nitrobenzene  
 Concen: 10.363 ng  
 RT: 9.25 min Scan# 1049  
 Delta R.T. -0.01 min  
 Lab File: BG041789.D  
 Acq: 29 Jul 2019 15:05

| Tgt Ion   | 77    | Resp  | 63099 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 77        | 100   |       |       |
| 123       | 51.2  | 38.1  | 57.1  |
| 65        | 12.2  | 11.0  | 16.6  |





#25

Isophorone

Concen: 10.050 ng

RT: 9.78 min Scan# 1139

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

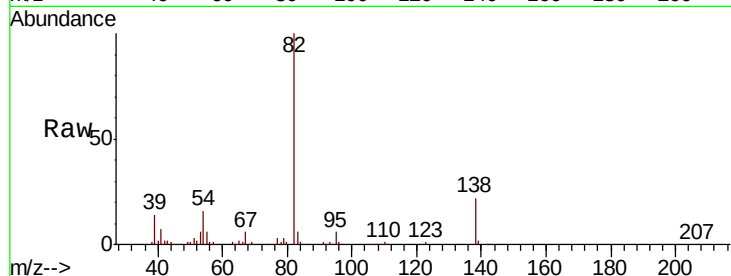
Tot Ion: 82 Resp: 126364

Ion Ratio Lower Upper

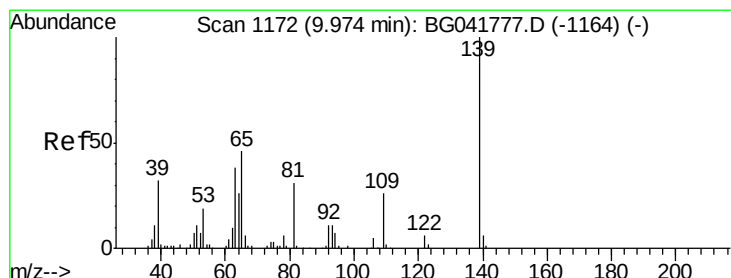
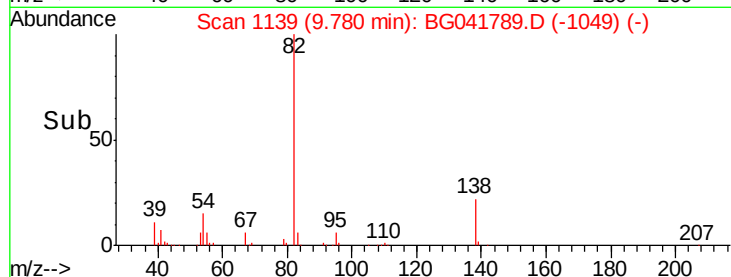
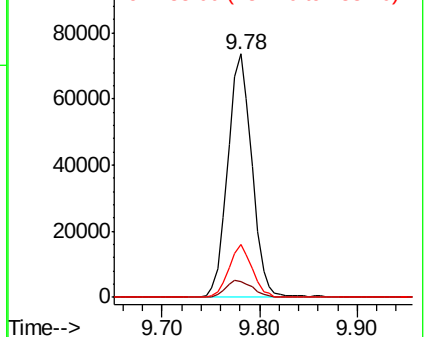
82 100

95 6.3 5.9 8.9

138 21.6 16.3 24.5



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC  
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 9.719 ng

RT: 9.97 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

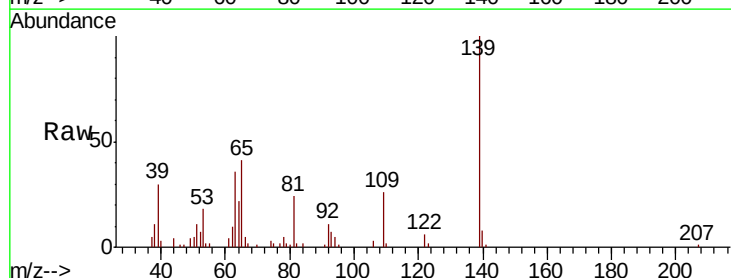
Tgt Ion: 139 Resp: 27467

Ion Ratio Lower Upper

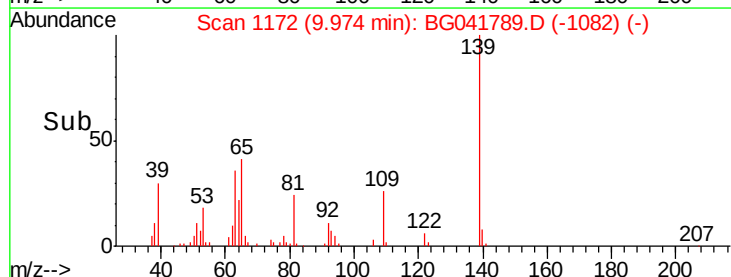
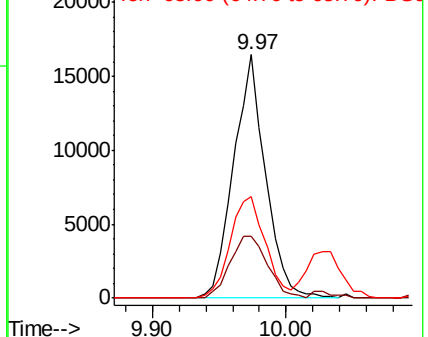
139 100

109 25.6 22.7 34.1

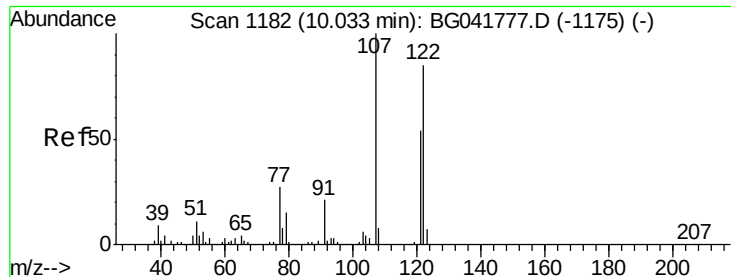
65 41.5 41.1 61.7



Abundance Ion 139.00 (138.70 to 139.70): BGC  
Ion 109.00 (108.70 to 109.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC



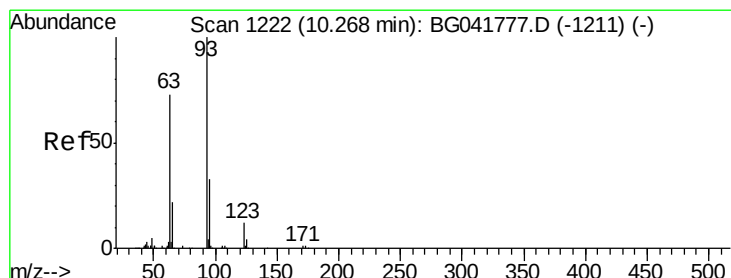
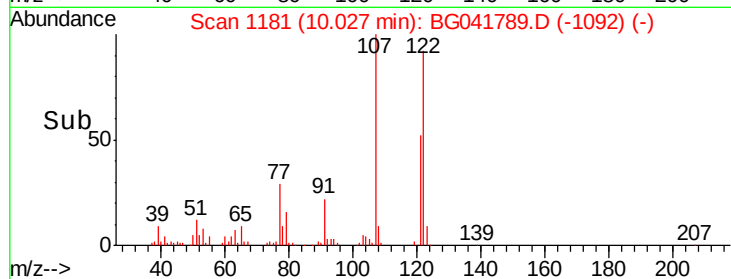
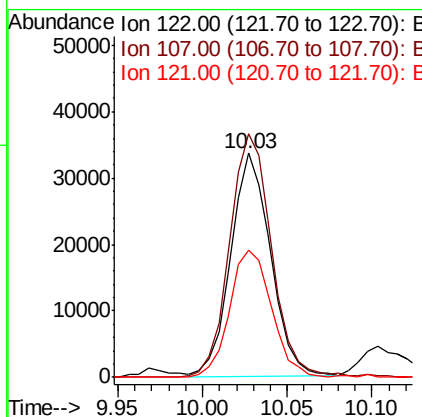
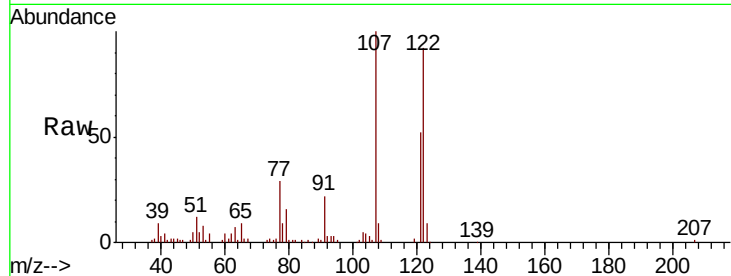




#27  
2,4-Dimethylphenol  
Concen: 11.083 ng  
RT: 10.03 min Scan# 1181  
Delta R.T. -0.01 min  
Lab File: BG041789.D  
Acq: 29 Jul 2019 15:05

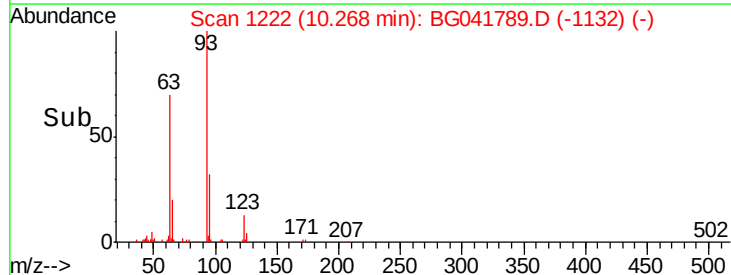
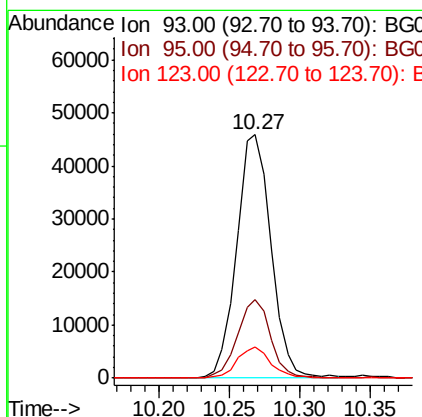
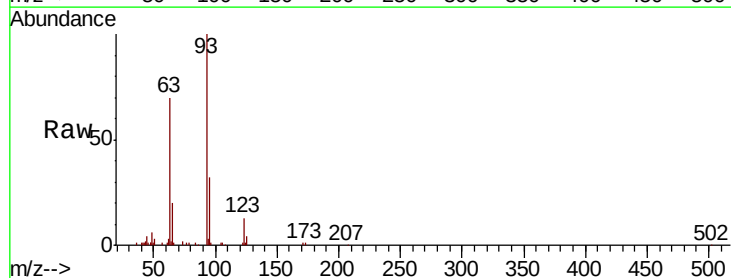
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2019

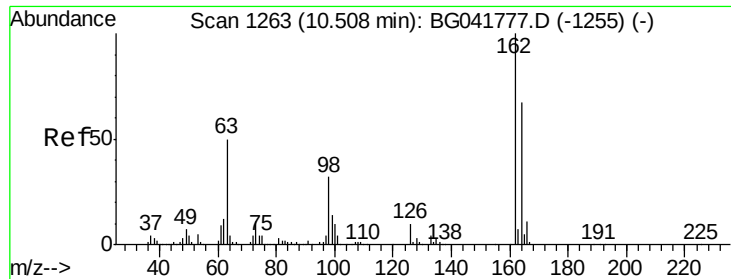
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 108.7 | 91.3  | 136.9 |
| 121     | 56.6  | 49.2  | 73.8  |



#28  
bis(2-Chloroethoxy)methane  
Concen: 9.957 ng  
RT: 10.27 min Scan# 1222  
Delta R.T. 0.00 min  
Lab File: BG041789.D  
Acq: 29 Jul 2019 15:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.1  | 26.2  | 39.4  |
| 123     | 12.8  | 9.9   | 14.9  |

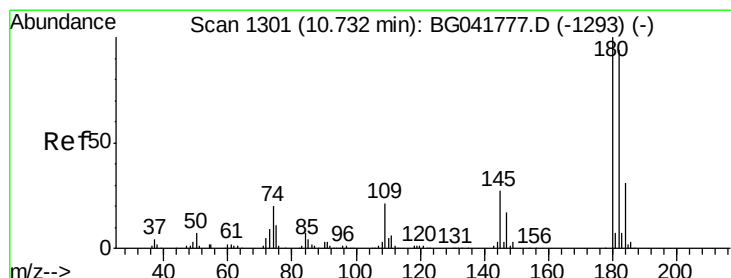
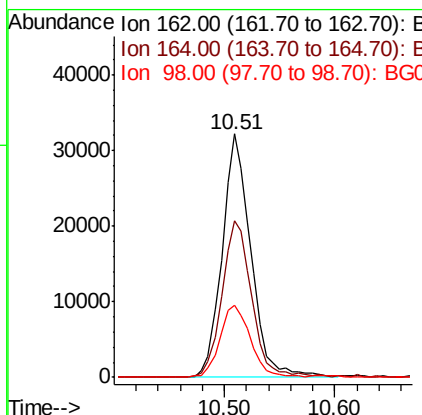
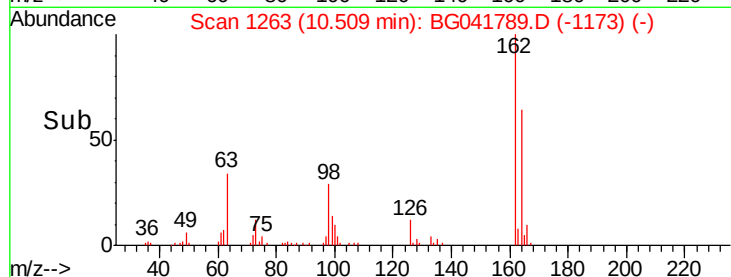
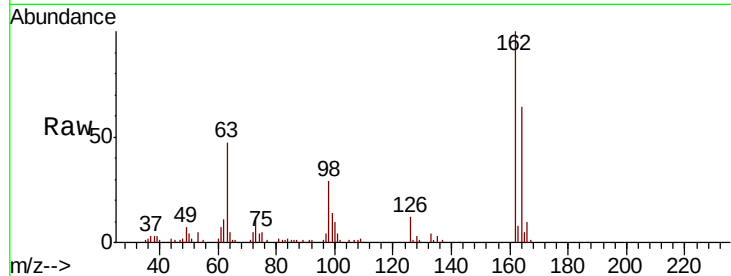




#29  
 2,4-Dichlorophenol  
 Concen: 9.621 ng  
 RT: 10.51 min Scan# 1263  
 Delta R.T. 0.00 min  
 Lab File: BG041789.D  
 Acq: 29 Jul 2019 15:05

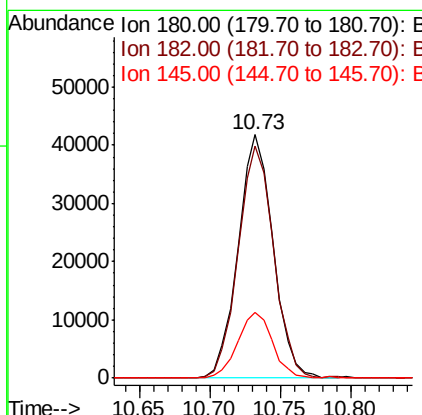
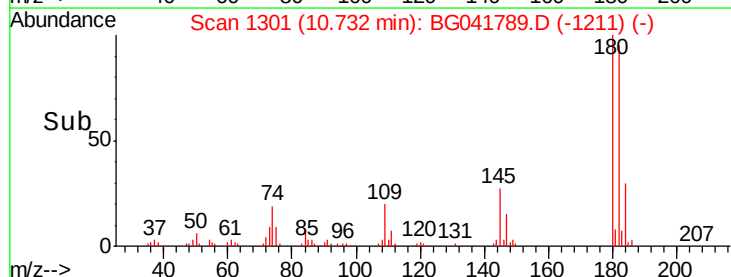
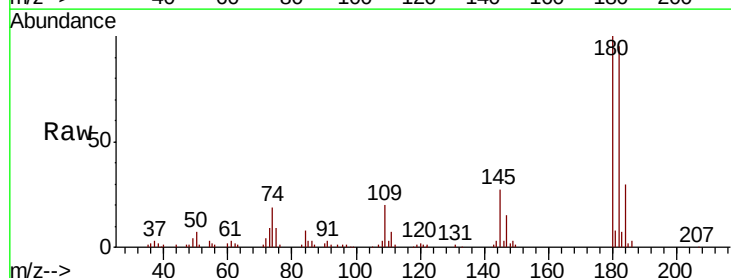
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2019

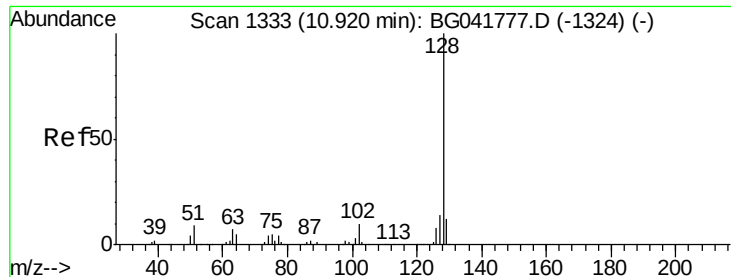
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.5  | 46.1  | 86.1  |
| 98      | 29.4  | 14.7  | 54.7  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 9.392 ng  
 RT: 10.73 min Scan# 1301  
 Delta R.T. 0.00 min  
 Lab File: BG041789.D  
 Acq: 29 Jul 2019 15:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.3  | 76.2  | 114.2 |
| 145     | 26.8  | 23.8  | 35.8  |





#31

Naphthalene

Concen: 10.262 ng

RT: 10.92 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tot Ion:128 Resp: 186805

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 10.8  | 10.0  | 15.0  |
| 127 | 13.9  | 12.3  | 18.5  |

Abundance

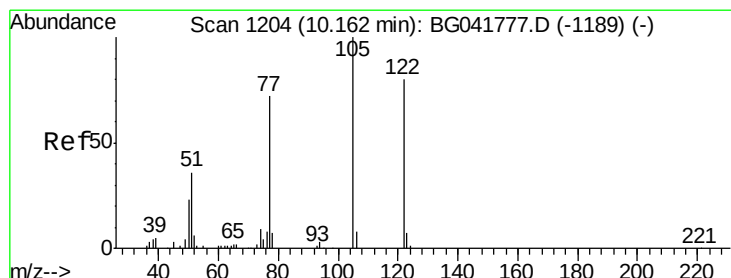
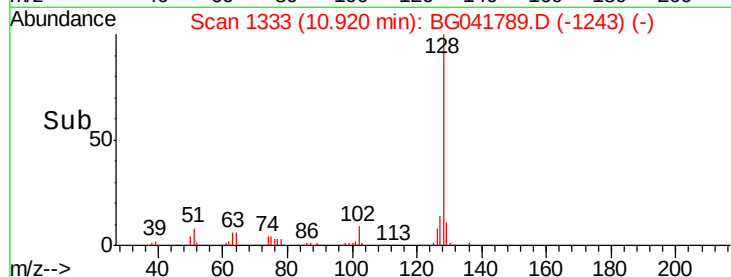
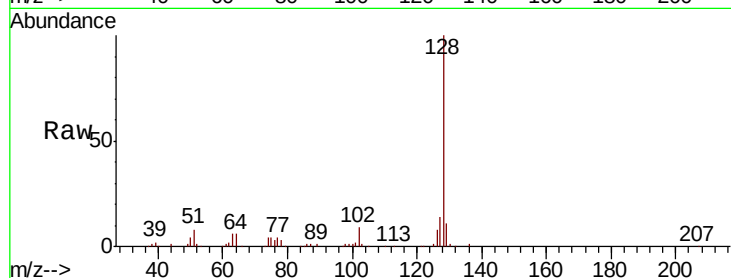
Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

10.92

Time-->



#32

Benzoic acid

Concen: 10.949 ng

RT: 10.10 min Scan# 1194

Delta R.T. -0.06 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Tgt Ion:122 Resp: 9672

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 122 | 100   |       |       |
| 105 | 117.3 | 101.5 | 141.5 |
| 77  | 89.3  | 73.0  | 113.0 |

Abundance

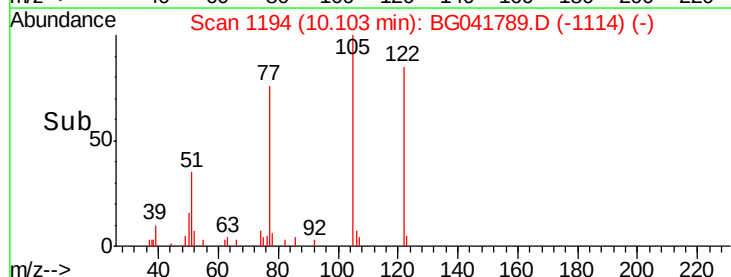
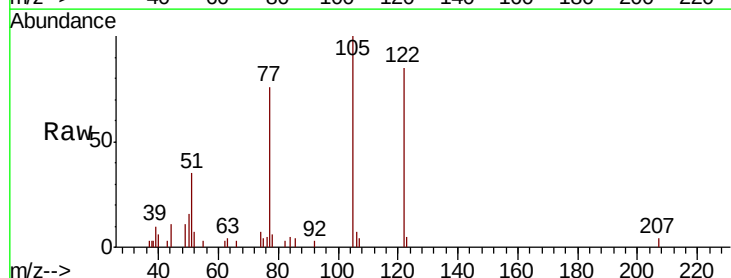
Ion 122.00 (121.70 to 122.70): E

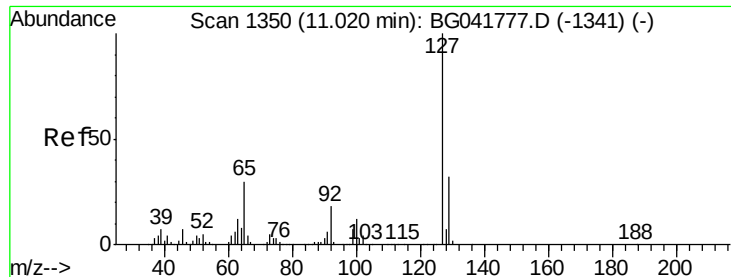
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

10.10

Time-->

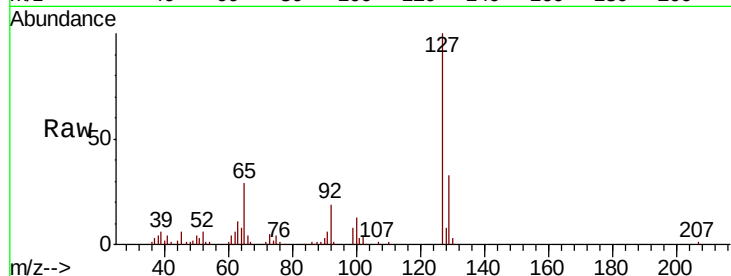




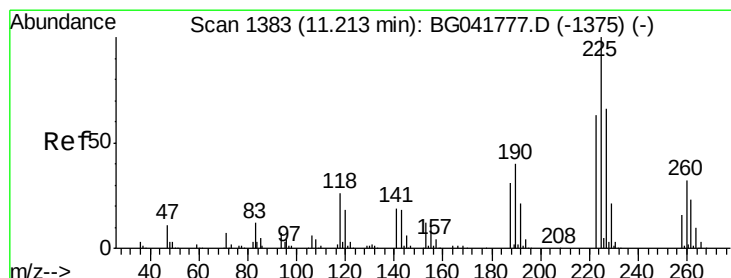
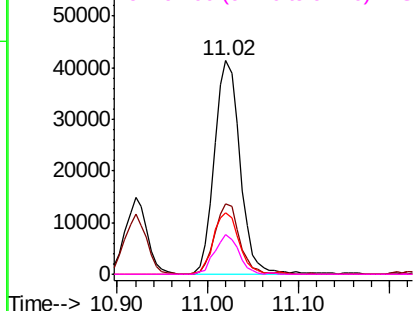
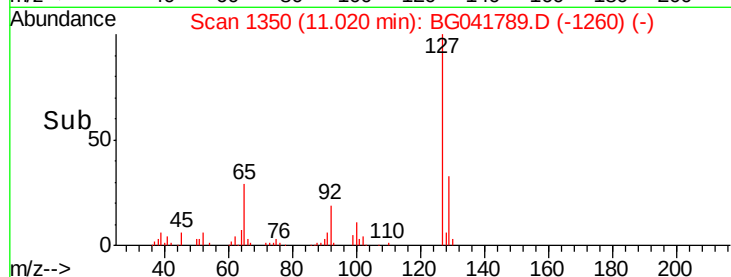
#33  
4-Chloroaniline  
Concen: 9.437 ng  
RT: 11.02 min Scan# 1350  
Delta R.T. 0.00 min  
Lab File: BG041789.D  
Acq: 29 Jul 2019 15:05

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2019

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 81466 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 32.9  | 25.8  | 38.8  |
| 65       | 29.0  | 26.7  | 40.1  |
| 92       | 18.6  | 15.4  | 23.0  |

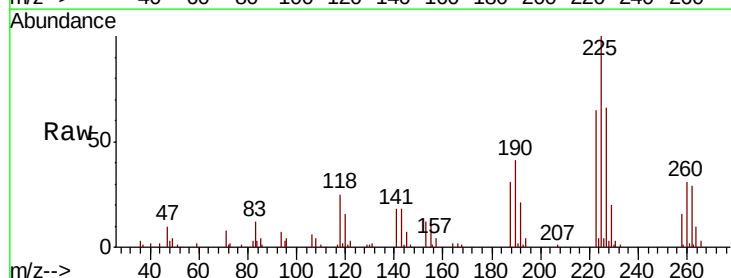


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC

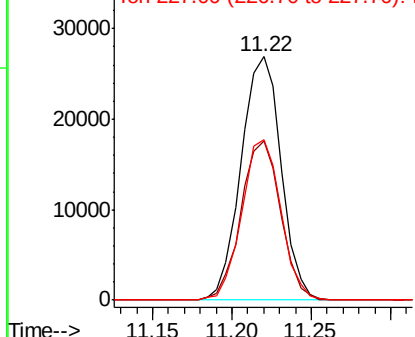
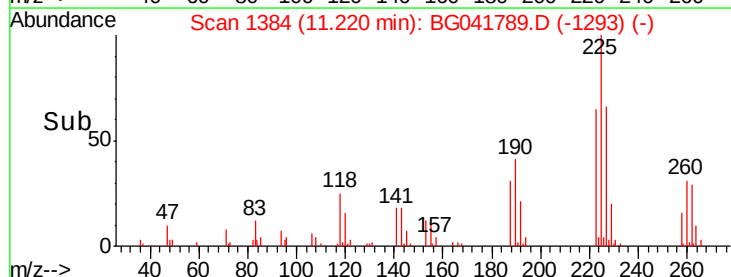


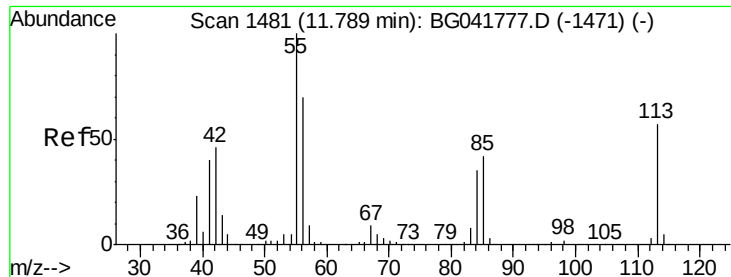
#34  
Hexachlorobutadiene  
Concen: 9.080 ng  
RT: 11.22 min Scan# 1384  
Delta R.T. 0.01 min  
Lab File: BG041789.D  
Acq: 29 Jul 2019 15:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 47202 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 65.3  | 51.1  | 76.7  |
| 227      | 65.8  | 50.9  | 76.3  |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 10.255 ng

RT: 11.77 min Scan# 1477

Delta R.T. -0.02 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

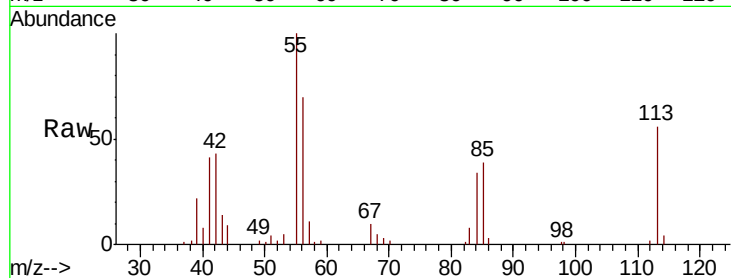
Tot Ion:113 Resp: 21646

Ion Ratio Lower Upper

113 100

55 179.0 199.4 239.4#

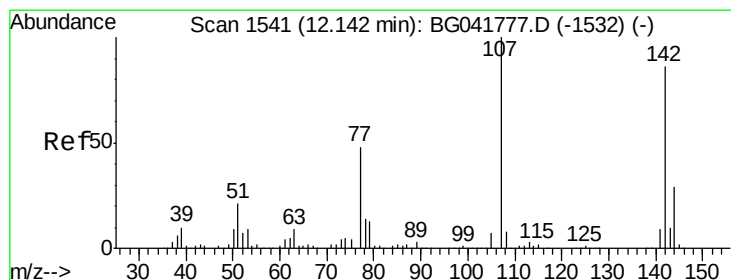
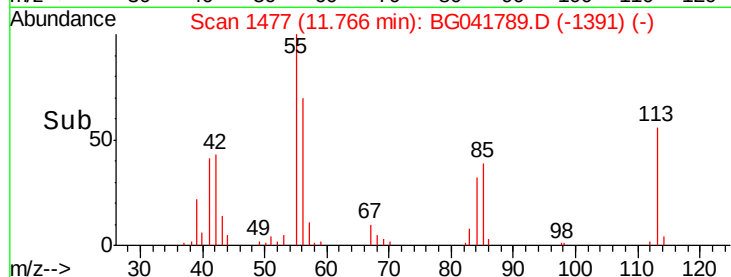
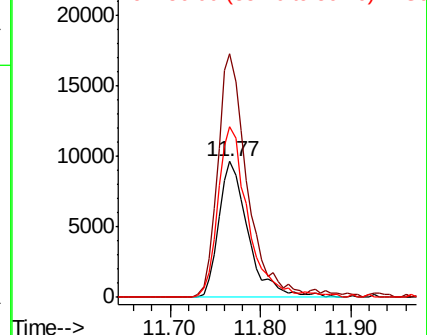
56 125.6 133.6 173.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 9.964 ng

RT: 12.14 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

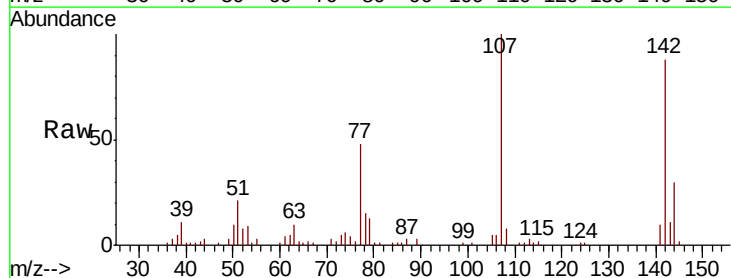
Tgt Ion:107 Resp: 60001

Ion Ratio Lower Upper

107 100

144 30.1 22.2 33.2

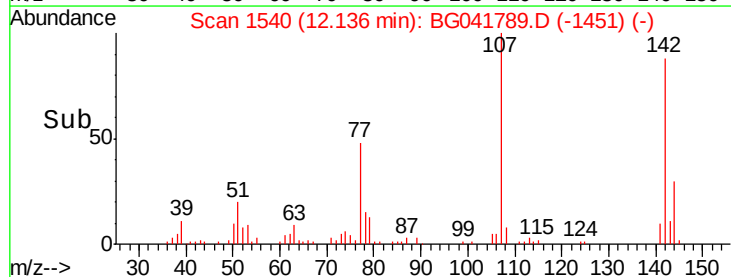
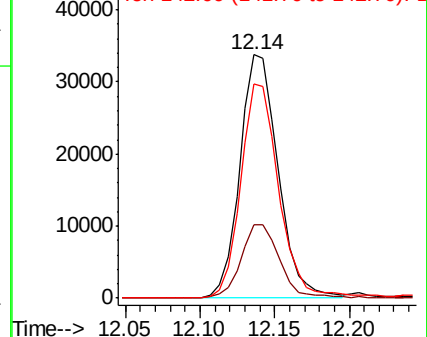
142 87.9 67.3 100.9

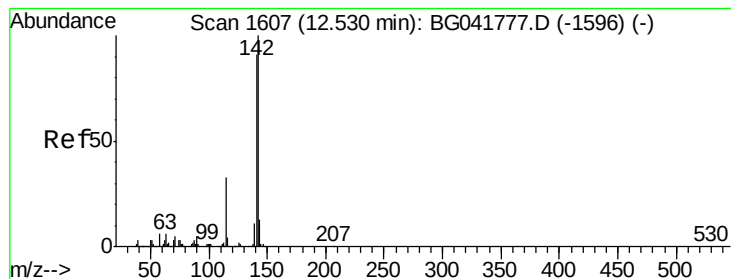


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 10.467 ng

RT: 12.53 min Scan# 1607

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

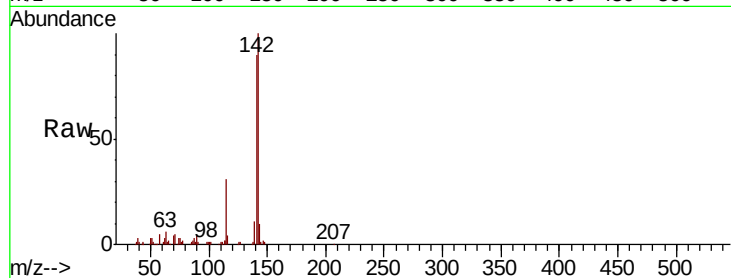
Tot Ion:142 Resp: 150819

Ion Ratio Lower Upper

142 100

141 89.5 72.7 109.1

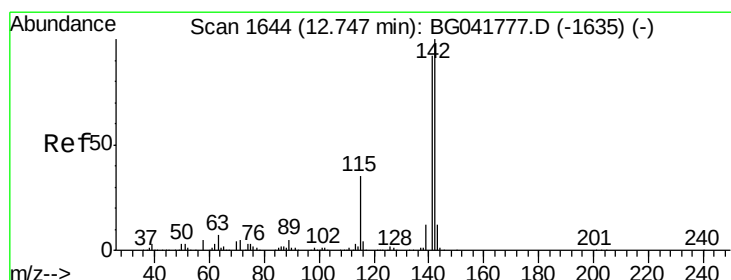
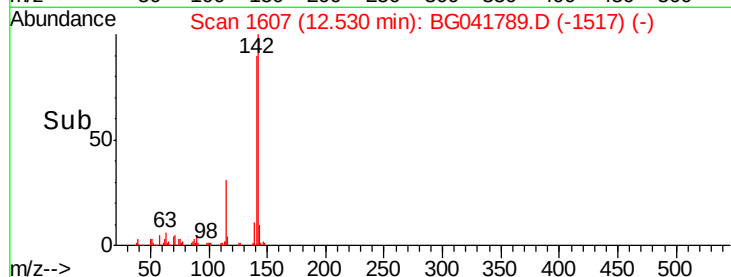
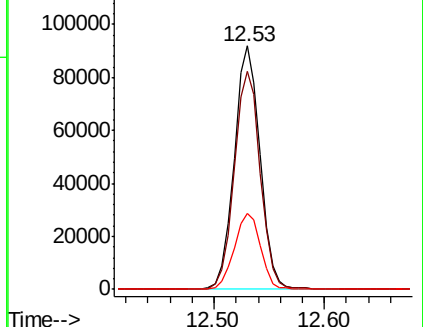
115 31.4 27.0 40.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 10.441 ng

RT: 12.75 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

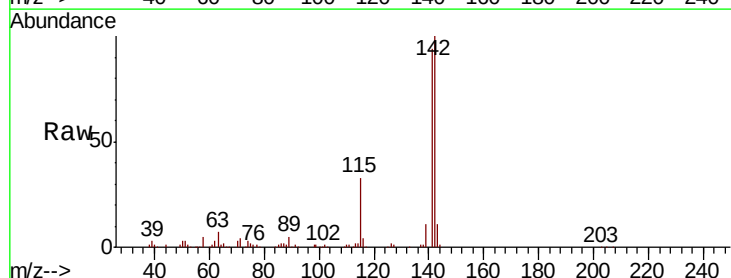
Tgt Ion:142 Resp: 142573

Ion Ratio Lower Upper

142 100

141 93.8 75.4 113.2

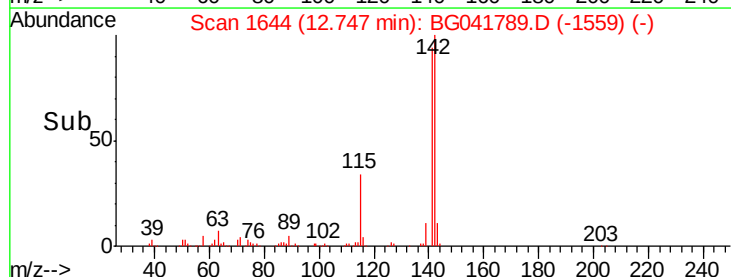
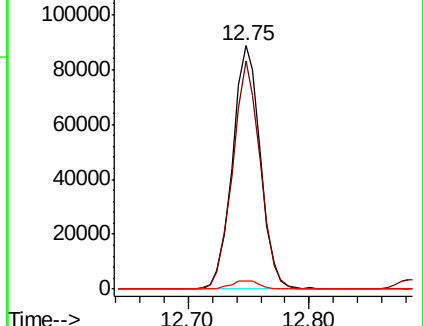
116 3.6 3.2 4.8

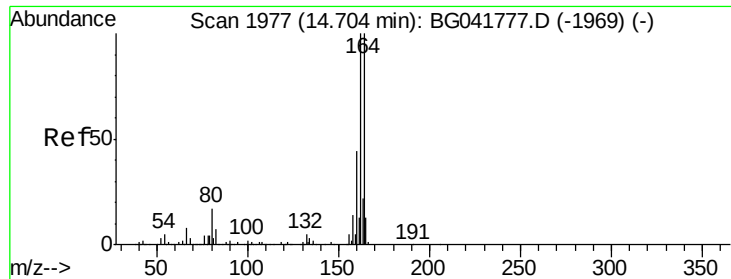


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

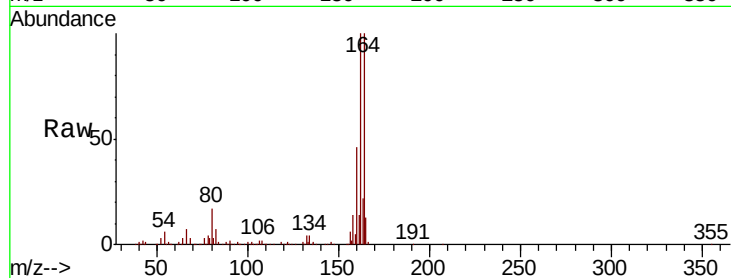
Tot Ion:164 Resp: 296300

Ion Ratio Lower Upper

164 100

162 99.6 79.6 119.4

160 46.2 35.4 53.0

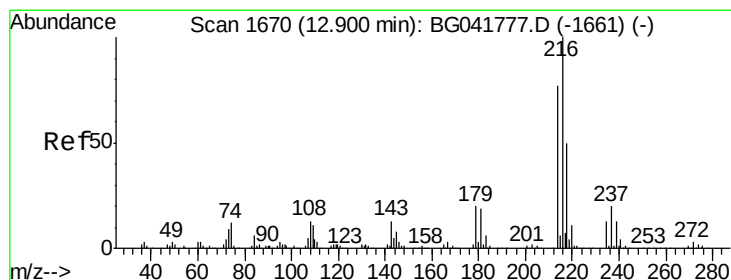
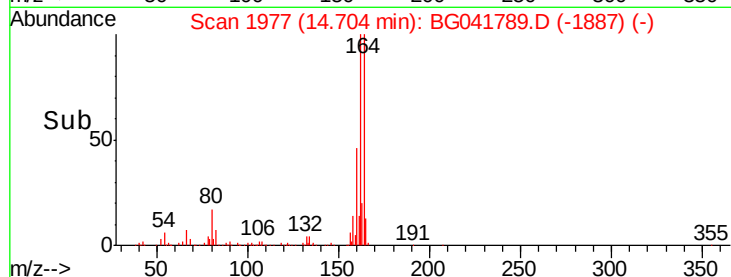
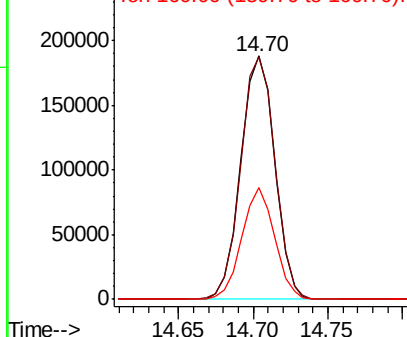


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.765 ng

RT: 12.90 min Scan# 1670

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Tgt Ion:216 Resp: 91591

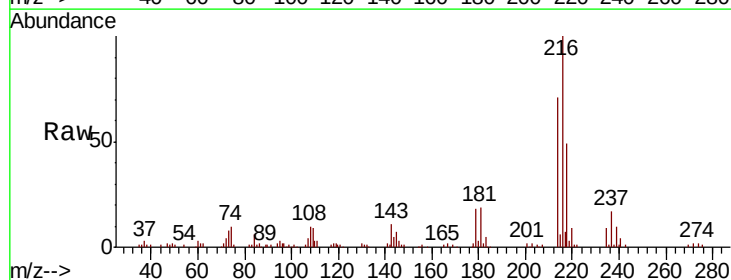
Ion Ratio Lower Upper

216 100

214 75.9 61.5 92.3

179 17.7 16.2 24.2

108 13.3 13.2 19.8



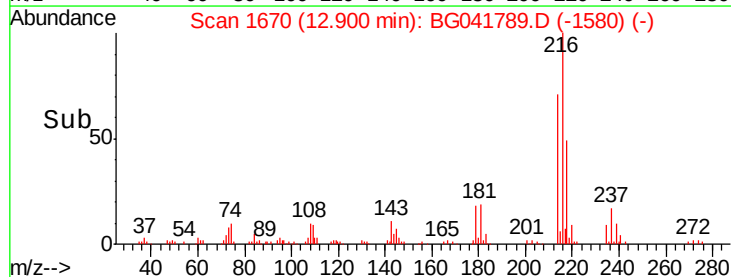
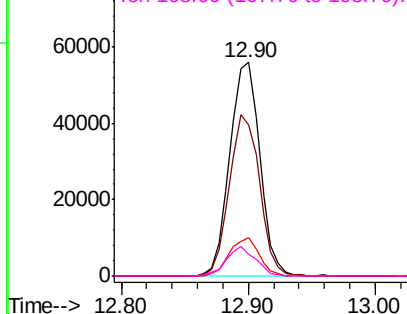
Abundance

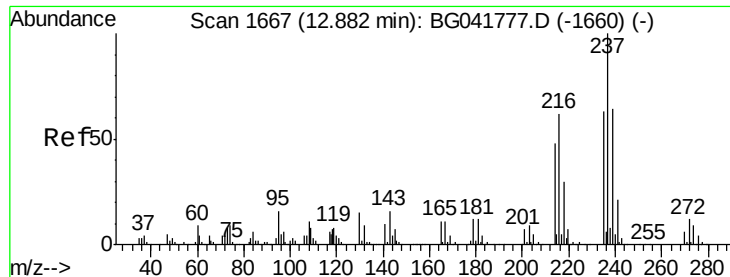
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 9.593 ng

RT: 12.88 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

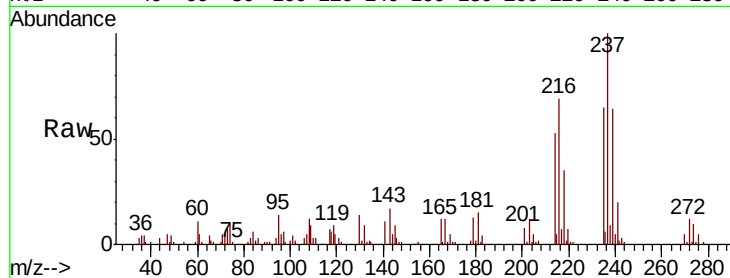
Tot Ion:237 Resp: 50587

Ion Ratio Lower Upper

237 100

235 65.4 43.5 83.5

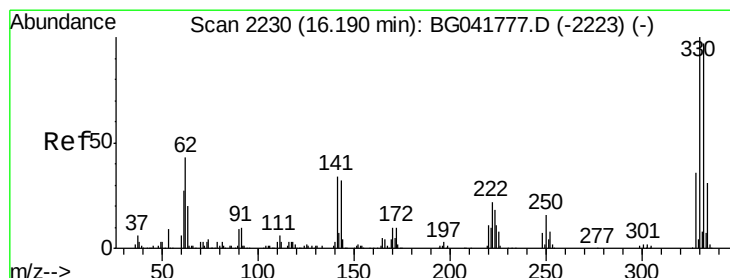
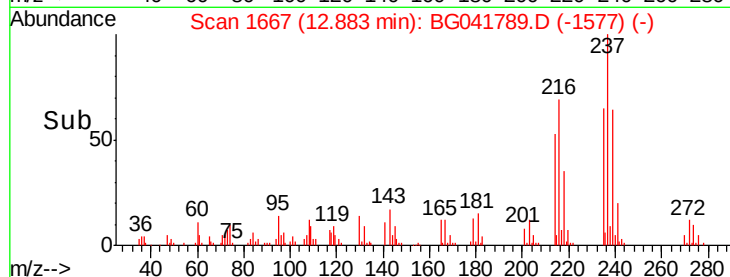
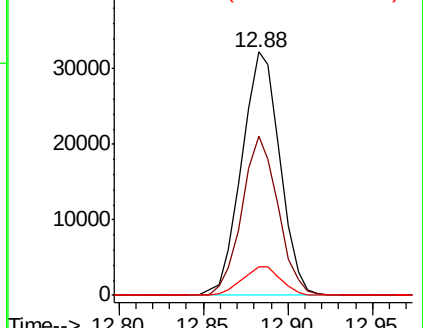
272 11.8 0.0 31.2



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 127.726 ng

RT: 16.19 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

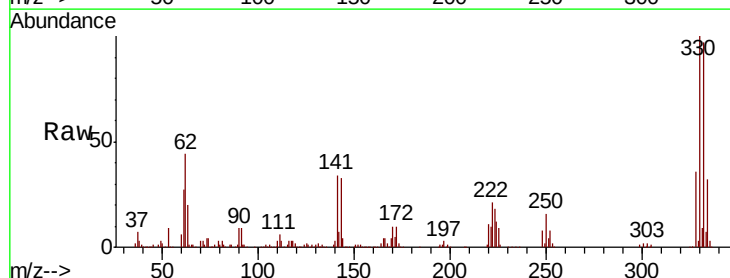
Tgt Ion:330 Resp: 429869

Ion Ratio Lower Upper

330 100

332 96.3 77.4 116.0

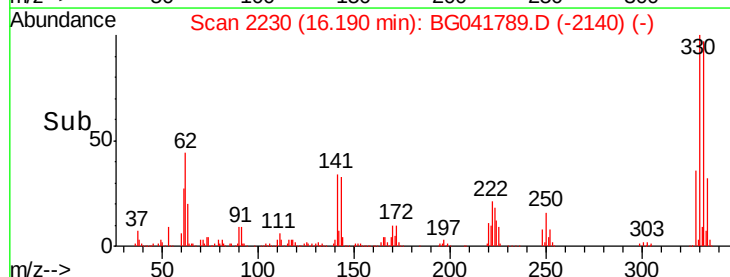
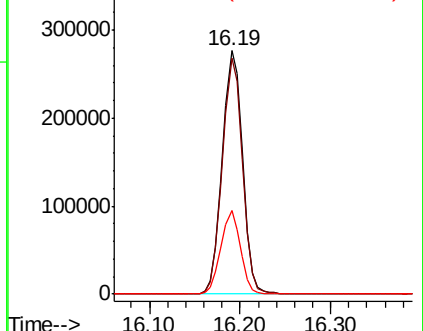
141 33.1 31.9 47.9



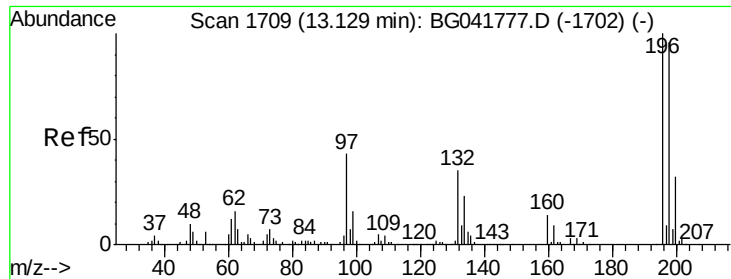
Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



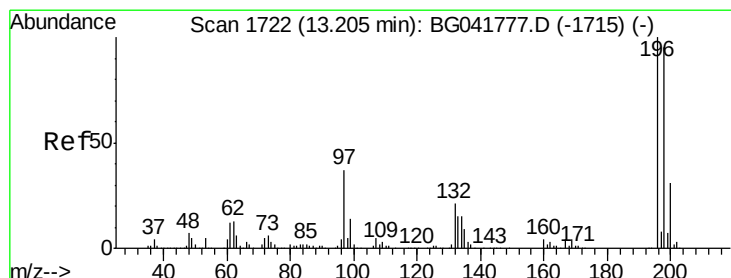
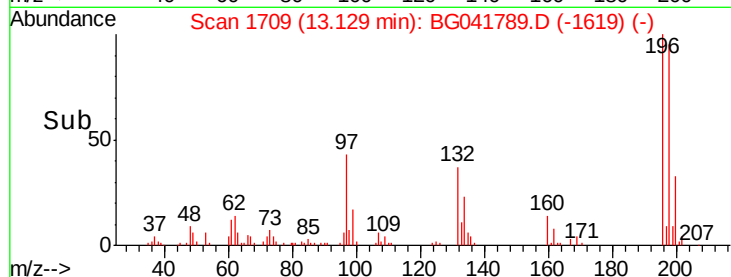
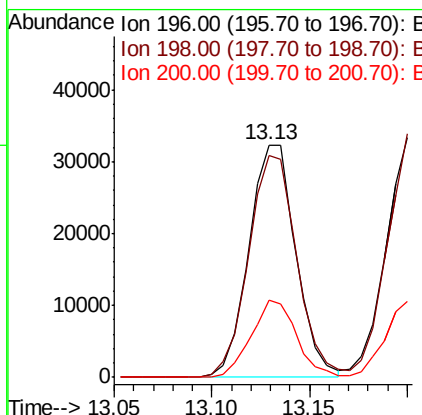
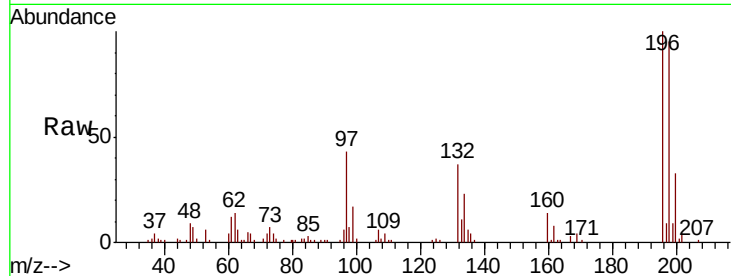




#43  
 2,4,6-Trichlorophenol  
 Concen: 9.093 ng  
 RT: 13.13 min Scan# 1709  
 Delta R.T. 0.00 min  
 Lab File: BG041789.D  
 Acq: 29 Jul 2019 15:05

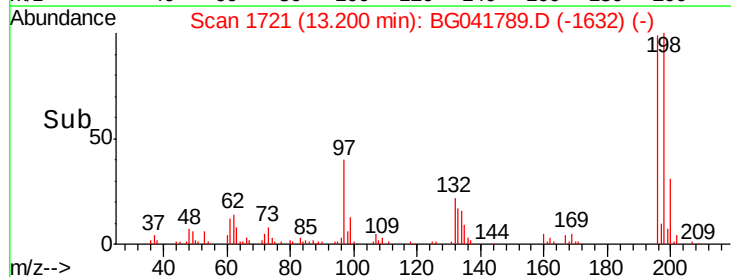
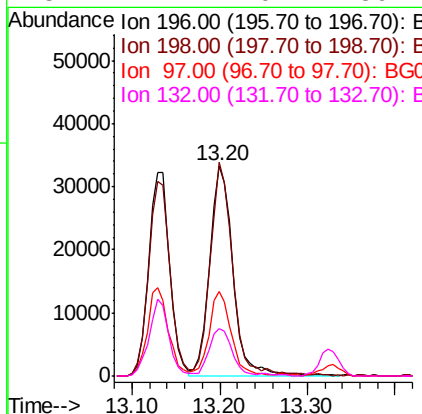
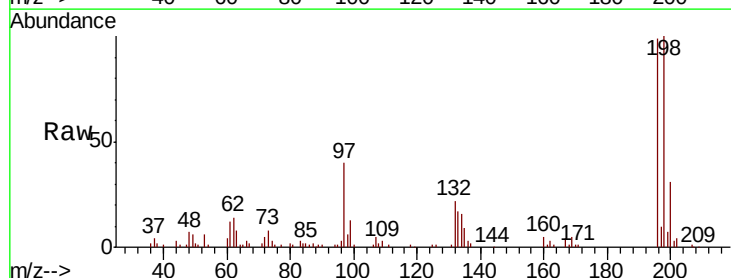
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2019

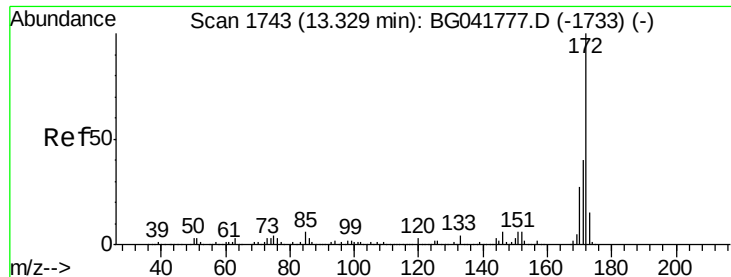
Tot Ion:196 Resp: 53905  
 Ion Ratio Lower Upper  
 196 100  
 198 95.4 79.6 119.4  
 200 33.1 25.2 37.8



#44  
 2,4,5-Trichlorophenol  
 Concen: 10.075 ng  
 RT: 13.20 min Scan# 1721  
 Delta R.T. -0.01 min  
 Lab File: BG041789.D  
 Acq: 29 Jul 2019 15:05

Tgt Ion:196 Resp: 62066  
 Ion Ratio Lower Upper  
 196 100  
 198 101.5 80.6 121.0  
 97 40.2 33.9 50.9  
 132 22.7 20.2 30.2



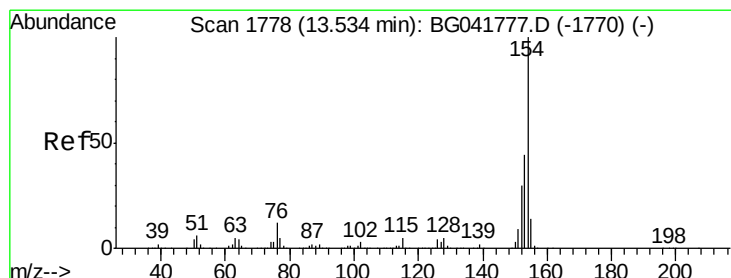
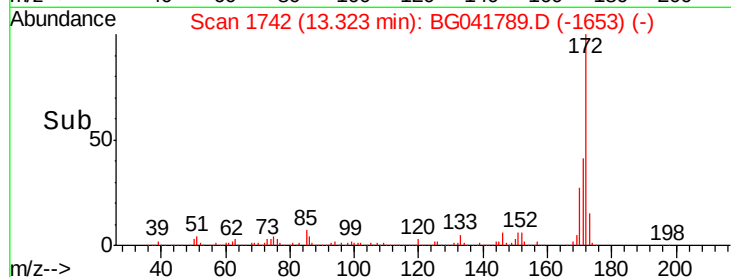
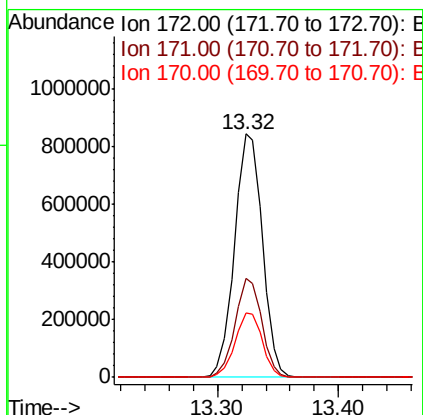
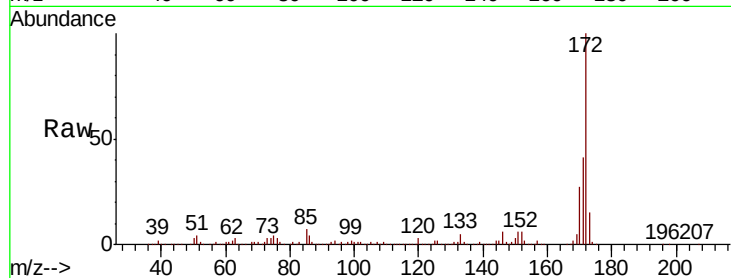


#45  
 2-Fluorobiphenyl  
 Concen: 80.873 ng  
 RT: 13.32 min Scan# 1742  
 Delta R.T. -0.01 min  
 Lab File: BG041789.D  
 Acq: 29 Jul 2019 15:05

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2019

Tot Ion:172 Resp: 1358638  

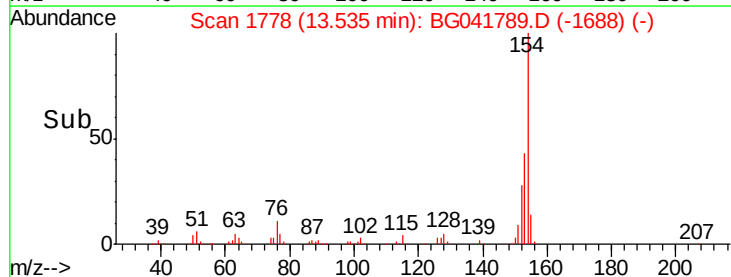
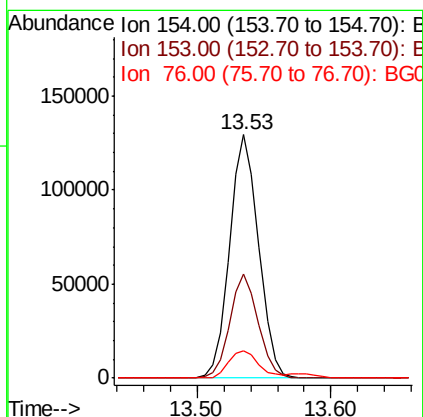
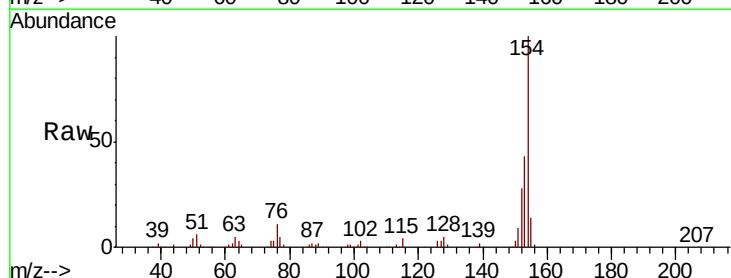
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 40.5  | 35.0  | 52.4  |
| 170 | 26.7  | 23.5  | 35.3  |

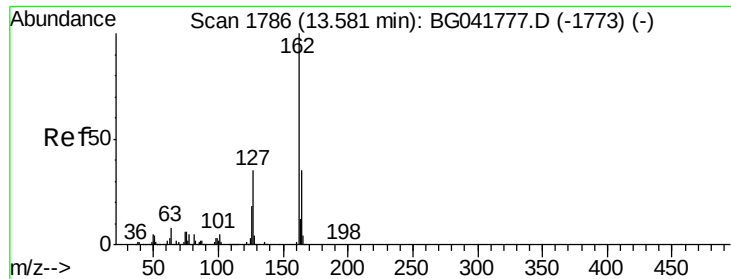


#46  
 1,1'-Biphenyl  
 Concen: 10.269 ng  
 RT: 13.53 min Scan# 1778  
 Delta R.T. 0.00 min  
 Lab File: BG041789.D  
 Acq: 29 Jul 2019 15:05

Tgt Ion:154 Resp: 195585  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 43.0  | 25.0  | 65.0  |
| 76  | 11.3  | 0.0   | 34.5  |

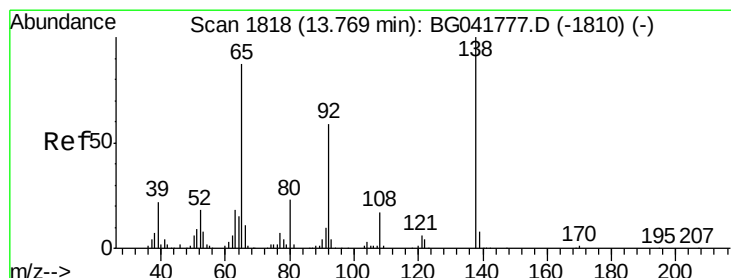
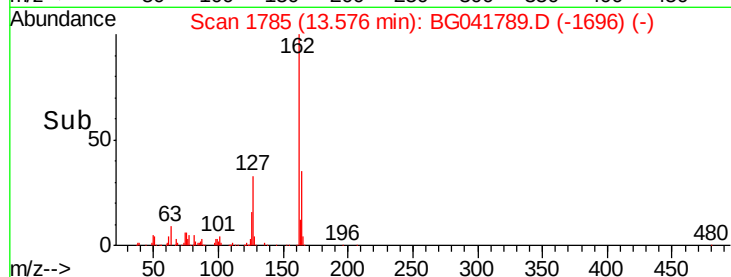
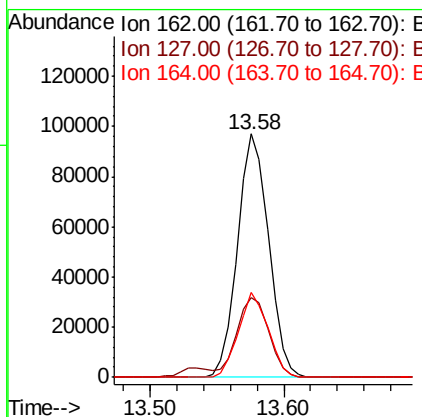
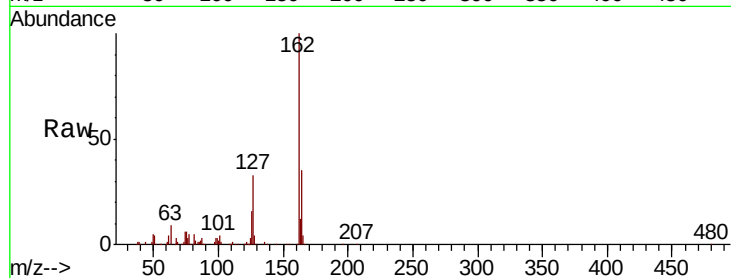




#47  
2-Chloronaphthalene  
Concen: 9.633 ng  
RT: 13.58 min Scan# 1785  
Delta R.T. -0.01 min  
Lab File: BG041789.D  
Acq: 29 Jul 2019 15:05

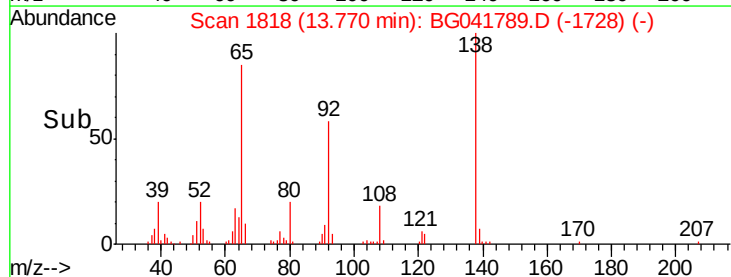
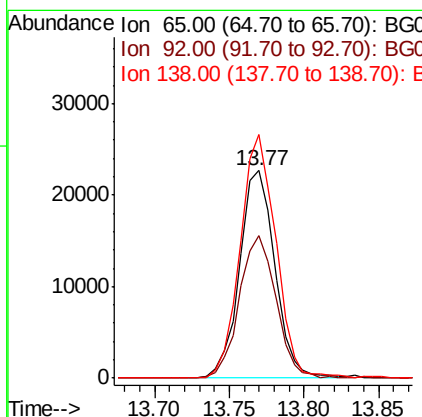
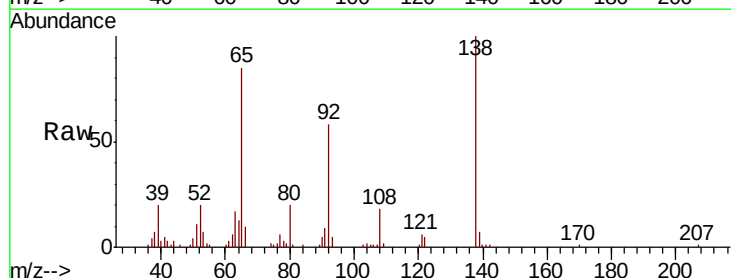
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2019

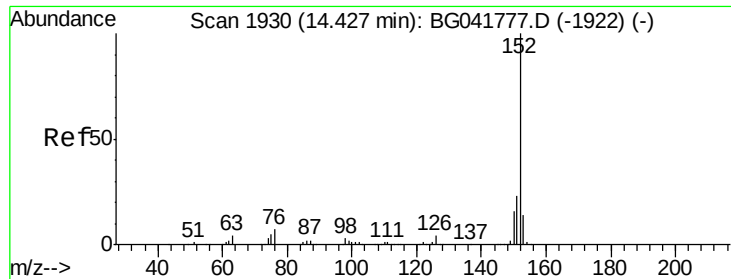
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 33.0  | 30.4  | 45.6  |
| 164     | 34.6  | 28.6  | 42.8  |



#48  
2-Nitroaniline  
Concen: 9.084 ng  
RT: 13.77 min Scan# 1818  
Delta R.T. 0.00 min  
Lab File: BG041789.D  
Acq: 29 Jul 2019 15:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 68.4  | 53.9  | 80.9  |
| 138     | 117.3 | 83.5  | 125.3 |





#49

Acenaphthylene

Concen: 10.654 ng

RT: 14.42 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

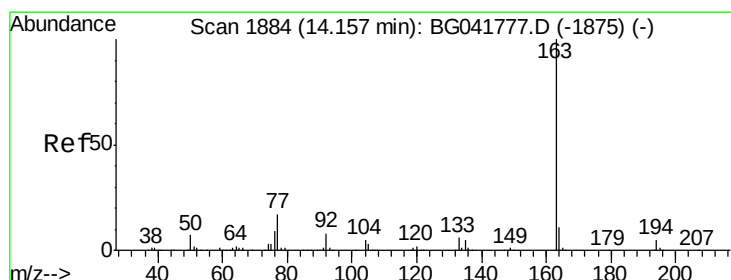
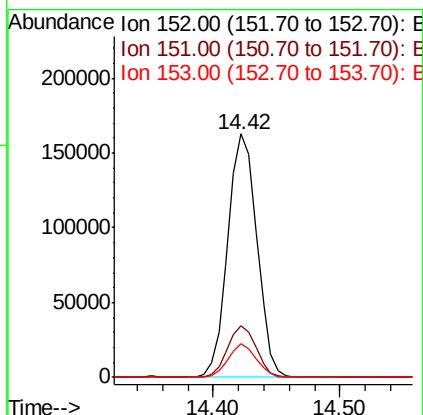
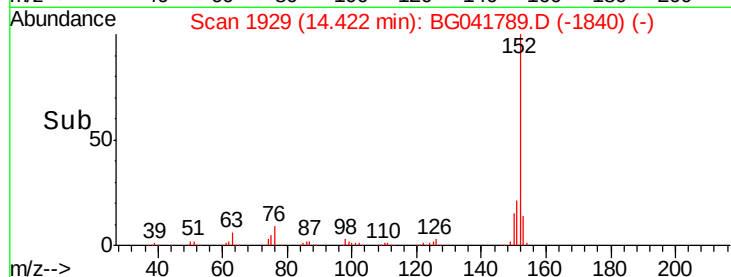
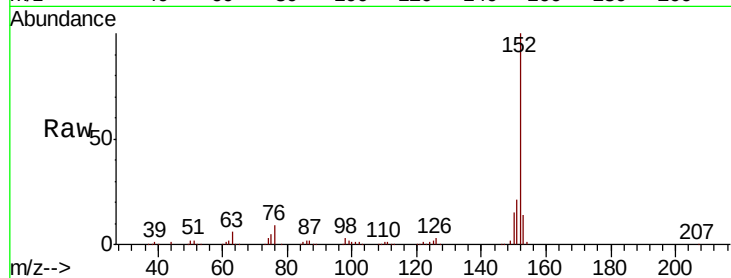
Tot Ion:152 Resp: 258438

Ion Ratio Lower Upper

152 100

151 21.1 18.7 28.1

153 13.8 12.4 18.6



#50

Dimethylphthalate

Concen: 10.317 ng

RT: 14.15 min Scan# 1882

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

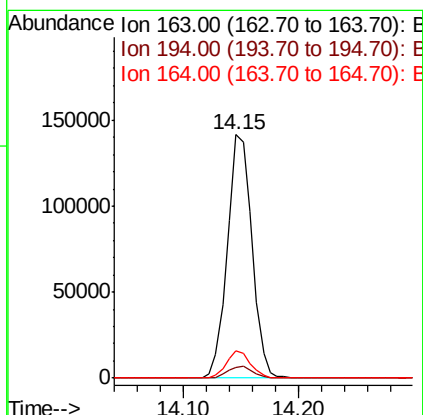
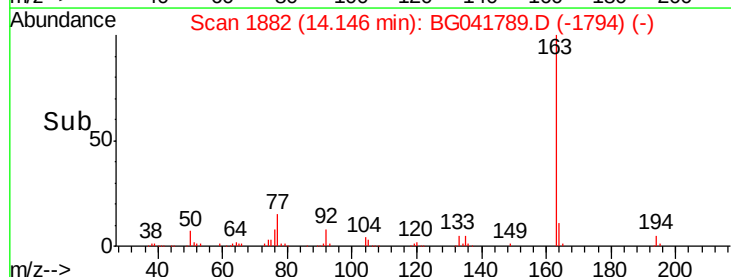
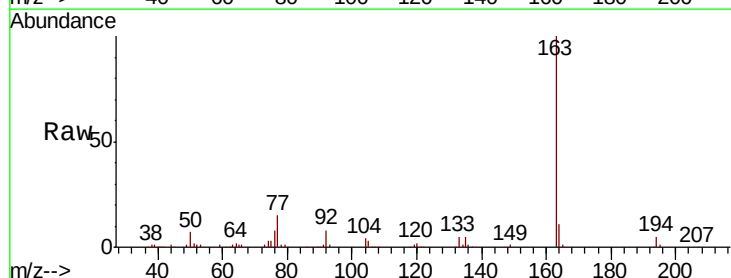
Tgt Ion:163 Resp: 208773

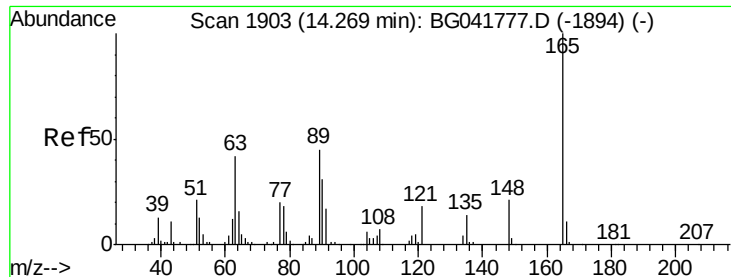
Ion Ratio Lower Upper

163 100

194 4.6 4.2 6.2

164 11.1 9.4 14.2

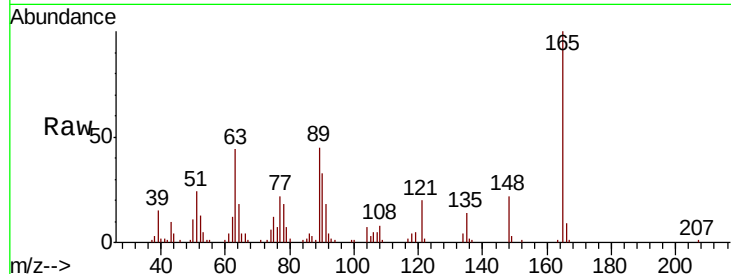




#51  
 2,6-Dinitrotoluene  
 Concen: 10.297 ng  
 RT: 14.26 min Scan# 1902  
 Delta R.T. -0.01 min  
 Lab File: BG041789.D  
 Acq: 29 Jul 2019 15:05

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 44.0  | 42.4  | 63.6  |
| 89      | 44.6  | 42.1  | 63.1  |

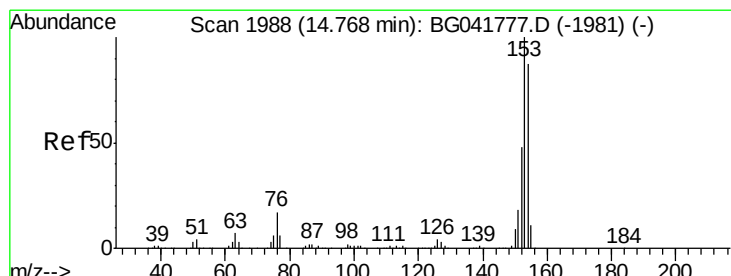
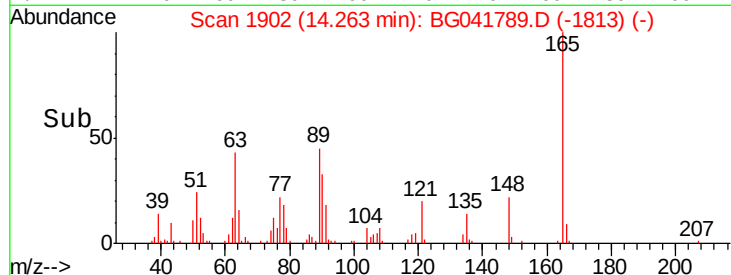
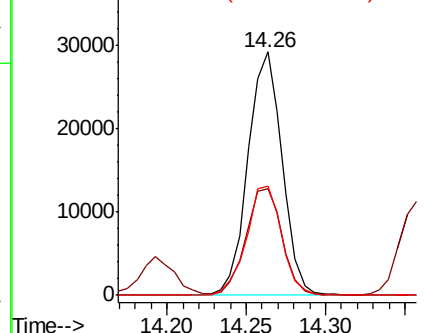


Abundance

Ion 165.00 (164.70 to 165.70): E

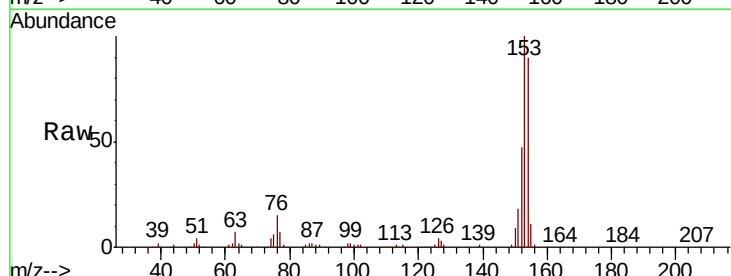
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#52  
 Acenaphthene  
 Concen: 9.697 ng  
 RT: 14.77 min Scan# 1988  
 Delta R.T. 0.00 min  
 Lab File: BG041789.D  
 Acq: 29 Jul 2019 15:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 111.7 | 89.8  | 134.6 |
| 152     | 52.9  | 44.9  | 67.3  |

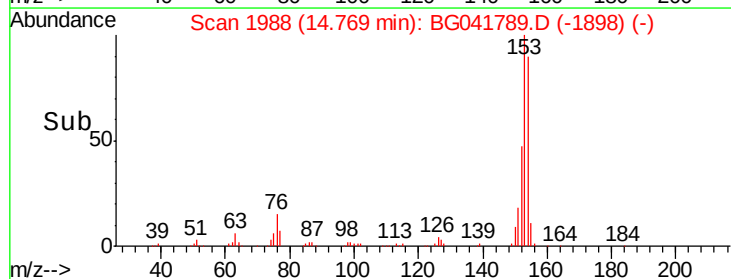
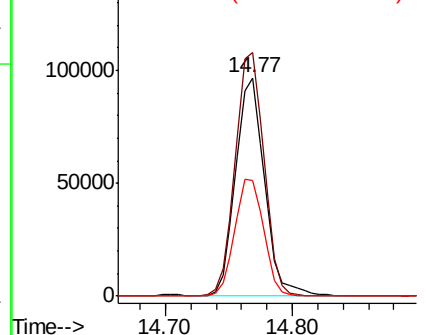


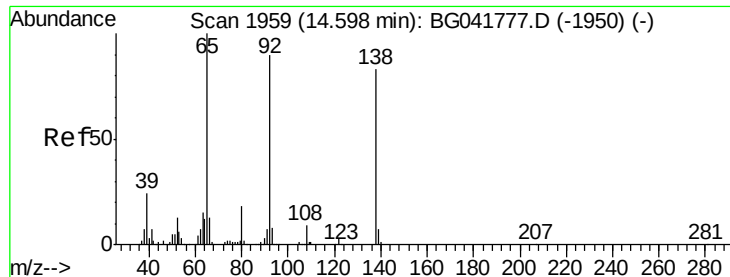
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 9.427 ng

RT: 14.59 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

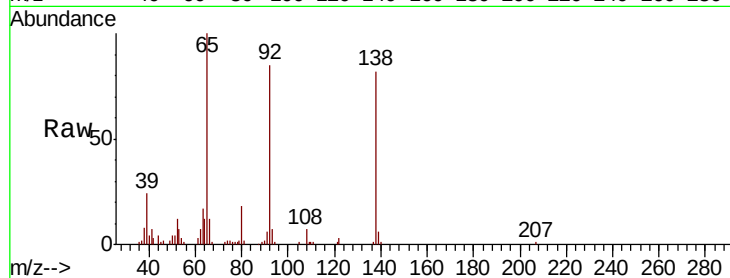
Tot Ion:138 Resp: 42674

Ion Ratio Lower Upper

138 100

108 9.1 10.3 15.5#

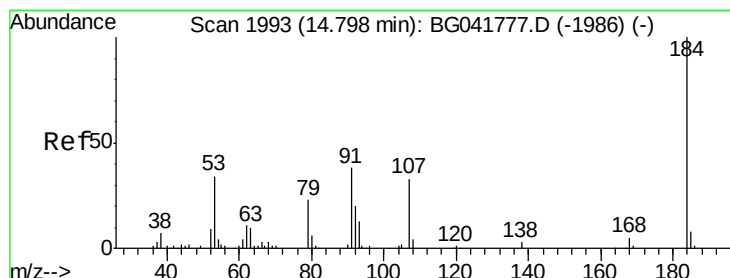
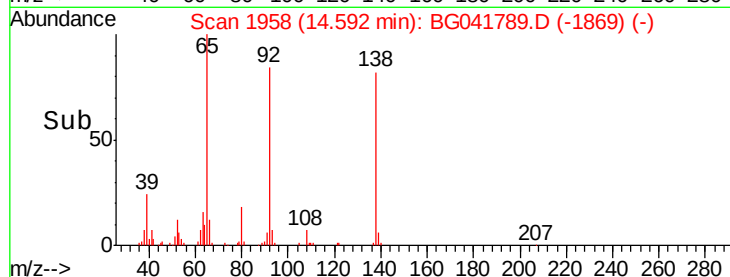
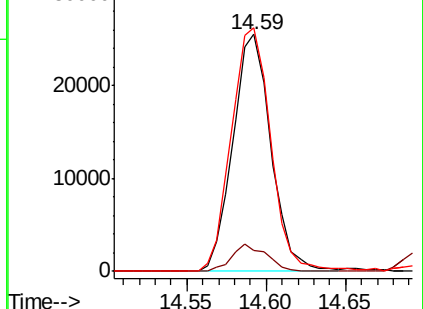
92 102.8 93.0 139.4



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54

2,4-Dinitrophenol

Concen: 10.302 ng

RT: 14.80 min Scan# 1993

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

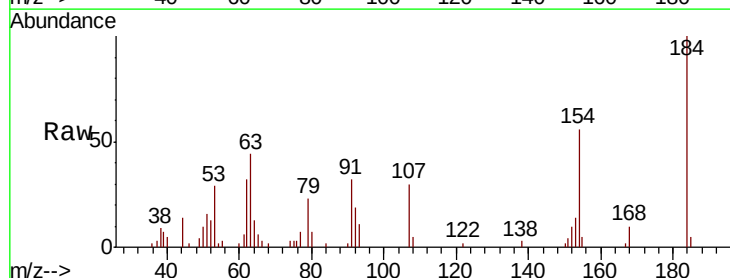
Tgt Ion:184 Resp: 13371

Ion Ratio Lower Upper

184 100

63 43.8 43.2 64.8

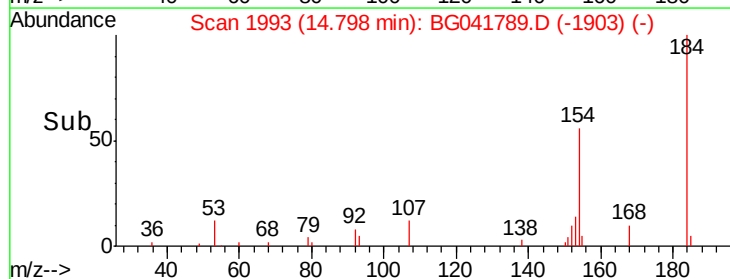
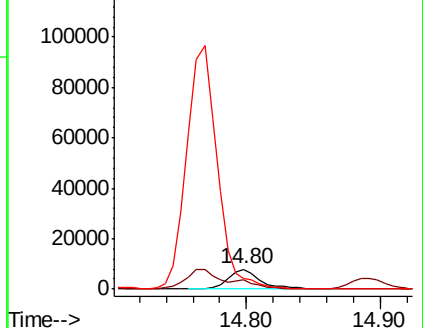
154 56.4 51.4 77.2

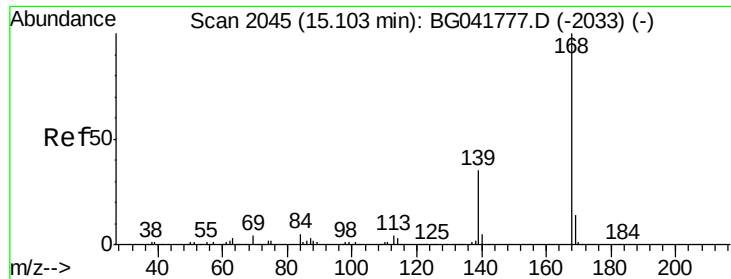


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

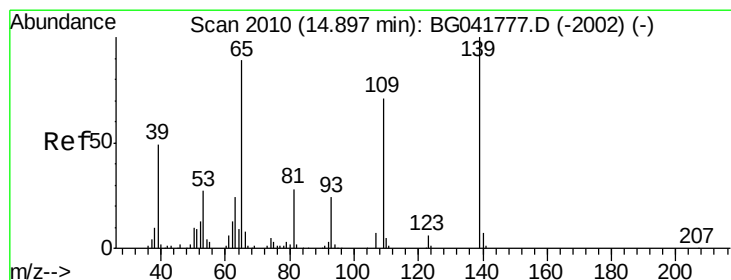
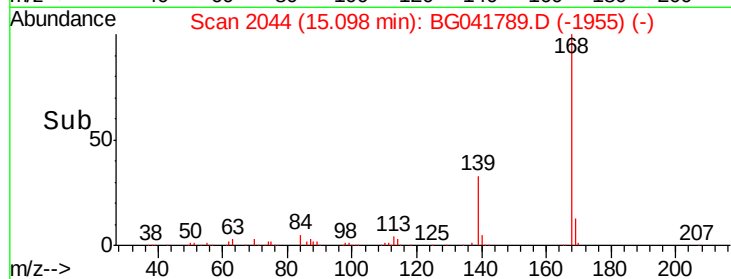
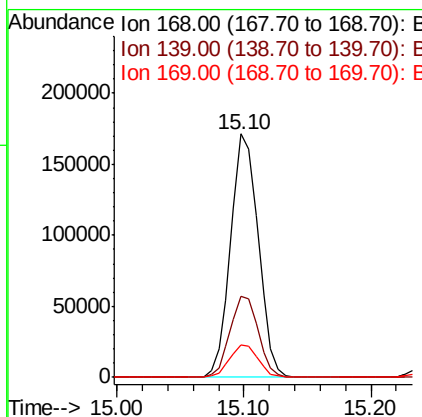
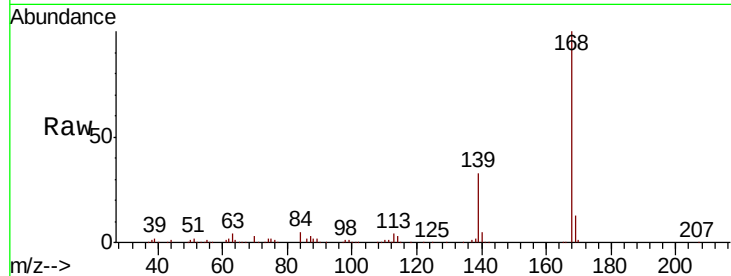




#55  
Dibenzenofuran  
Concen: 10.685 ng  
RT: 15.10 min Scan# 2044  
Delta R.T. -0.01 min  
Lab File: BG041789.D  
Acq: 29 Jul 2019 15:05

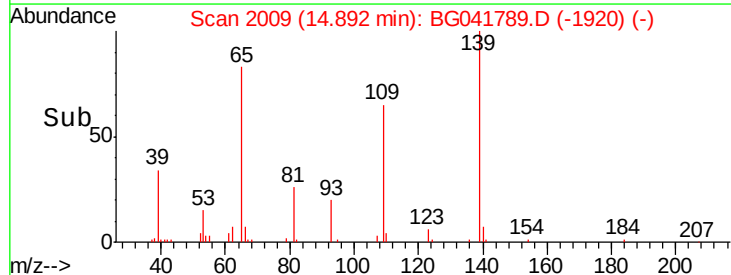
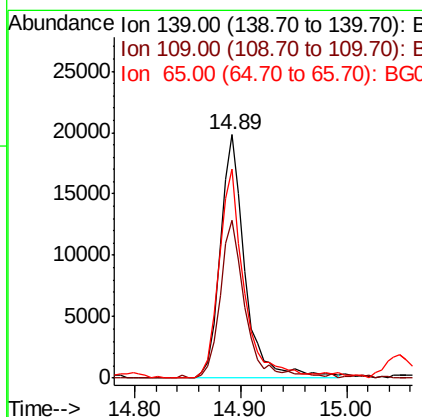
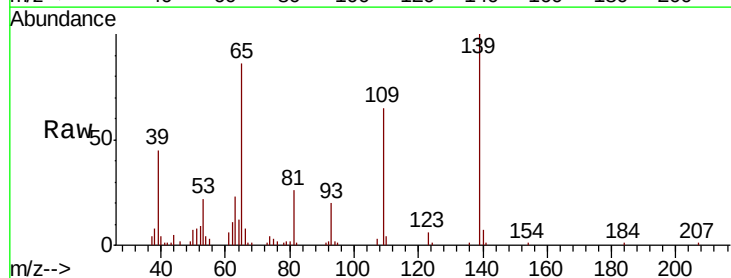
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2019

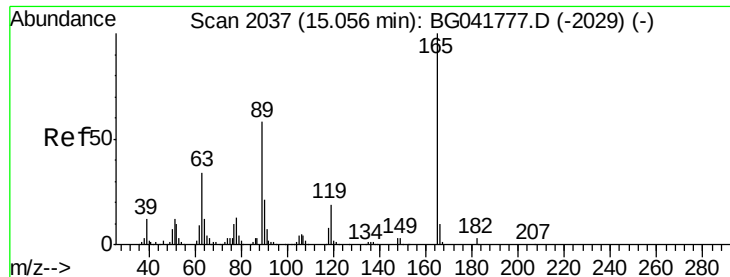
Tot Ion:168 Resp: 257842  
Ion Ratio Lower Upper  
168 100  
139 33.3 31.9 47.9  
169 13.3 12.5 18.7



#56  
4-Nitrophenol  
Concen: 9.384 ng  
RT: 14.89 min Scan# 2009  
Delta R.T. -0.01 min  
Lab File: BG041789.D  
Acq: 29 Jul 2019 15:05

Tgt Ion:139 Resp: 32246  
Ion Ratio Lower Upper  
139 100  
109 64.7 51.3 91.3  
65 86.1 77.6 117.6

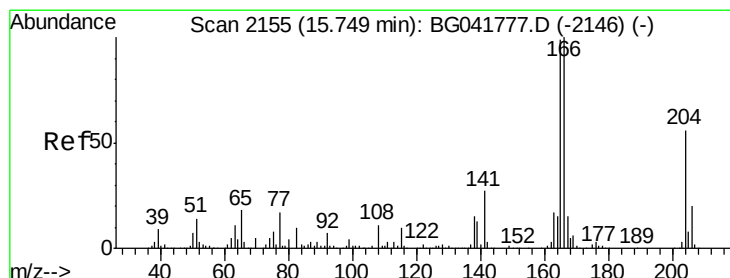
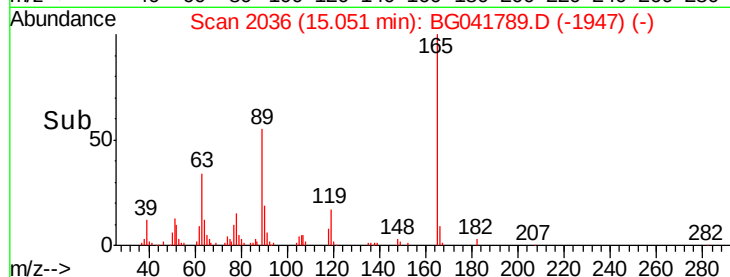
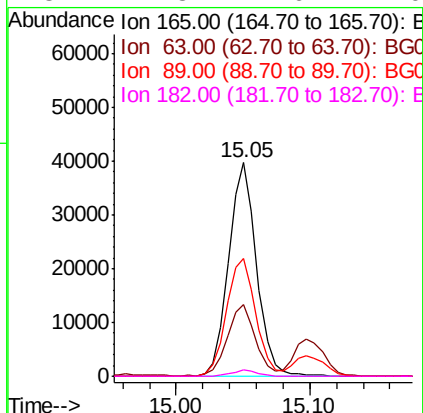
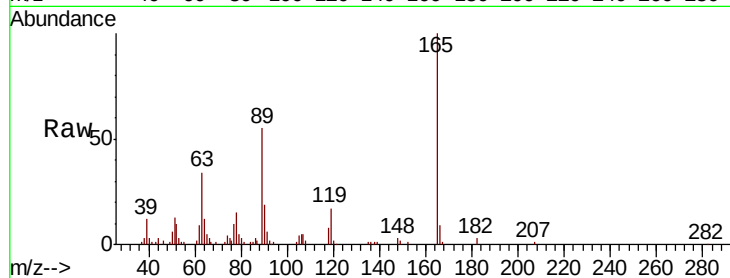




#57  
 2,4-Dinitrotoluene  
 Concen: 9.950 ng  
 RT: 15.05 min Scan# 2036  
 Delta R.T. -0.01 min  
 Lab File: BG041789.D  
 Acq: 29 Jul 2019 15:05

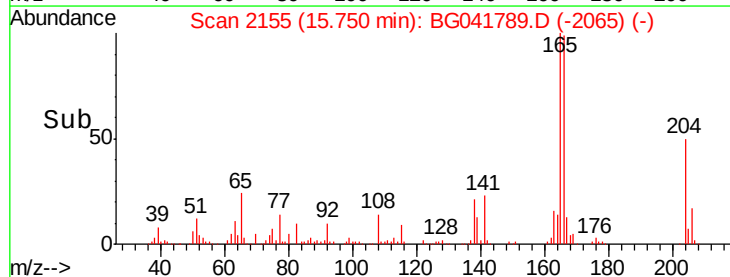
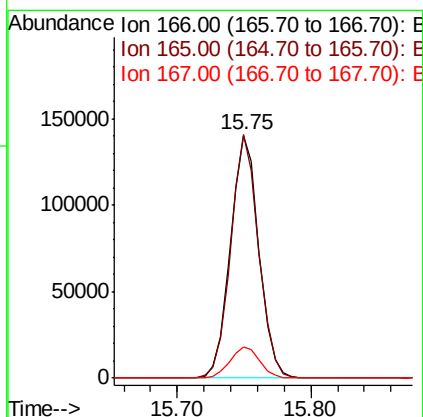
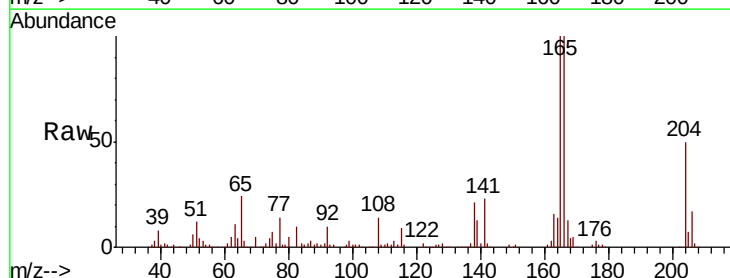
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2019

|             |             |
|-------------|-------------|
| Tot Ion:165 | Resp: 57897 |
| Ion Ratio   | Lower Upper |
| 165 100     |             |
| 63 33.7     | 31.7 47.5   |
| 89 55.3     | 50.2 75.4   |
| 182 2.8     | 2.6 4.0     |

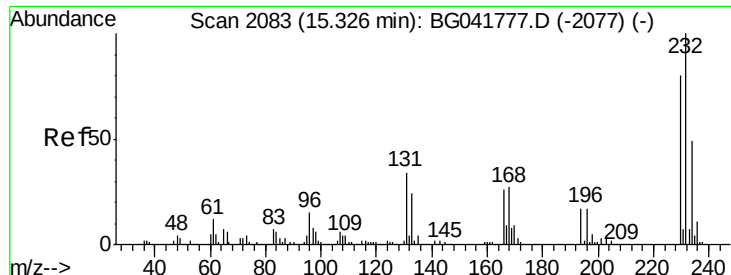


#58  
 Fluorene  
 Concen: 10.750 ng  
 RT: 15.75 min Scan# 2155  
 Delta R.T. 0.00 min  
 Lab File: BG041789.D  
 Acq: 29 Jul 2019 15:05

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:166 | Resp: | 208174 |
| Ion | Ratio   | Lower | Upper  |
| 166 | 100     |       |        |
| 165 | 100.3   | 80.5  | 120.7  |
| 167 | 12.9    | 12.4  | 18.6   |



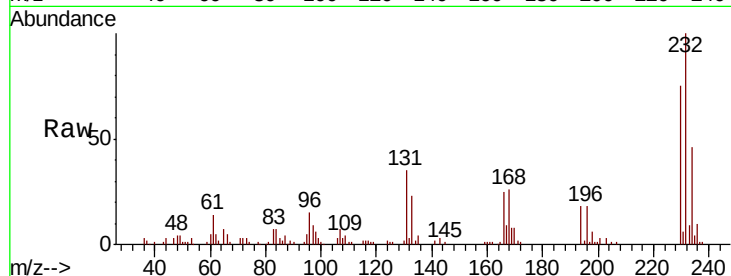




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 9.705 ng  
 RT: 15.32 min Scan# 2082  
 Delta R.T. -0.01 min  
 Lab File: BG041789.D  
 Acq: 29 Jul 2019 15:05

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 33.9  | 31.8  | 47.6  |
| 130     | 1.1   | 1.8   | 2.8   |
| 166     | 26.7  | 23.5  | 35.3  |



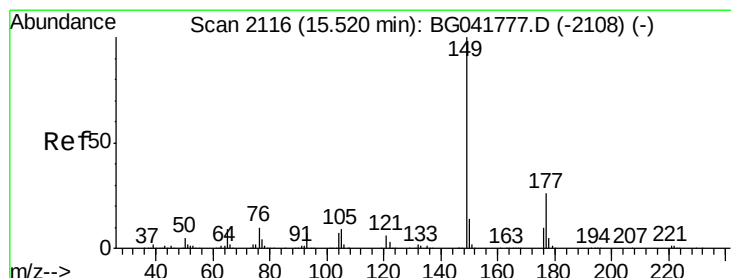
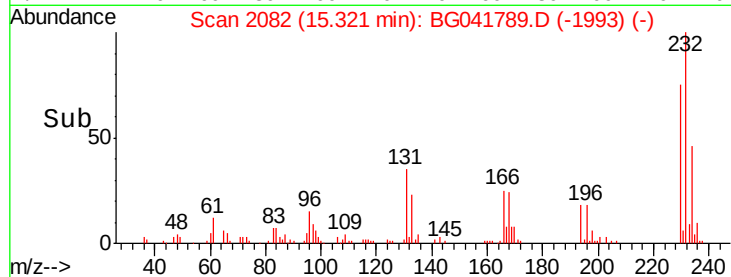
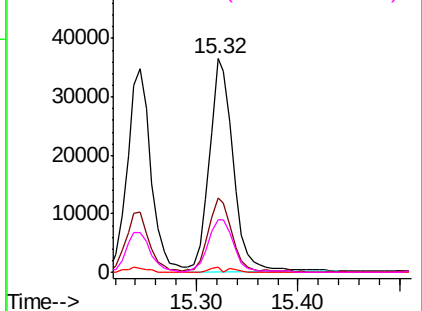
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

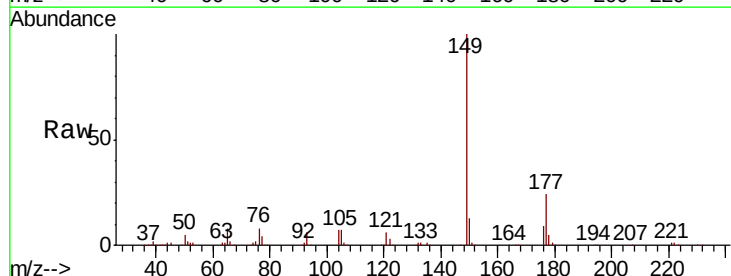
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60  
 Diethylphthalate  
 Concen: 10.221 ng  
 RT: 15.51 min Scan# 2115  
 Delta R.T. -0.01 min  
 Lab File: BG041789.D  
 Acq: 29 Jul 2019 15:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 24.0  | 20.7  | 31.1  |
| 150     | 13.0  | 11.5  | 17.3  |

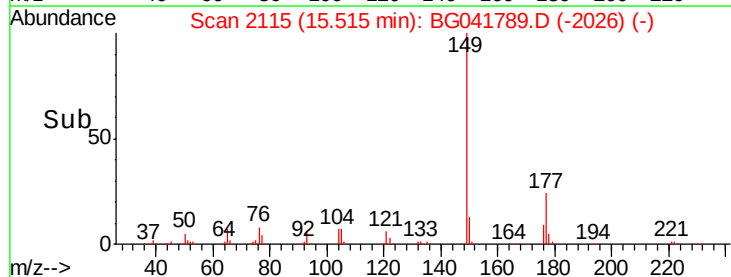
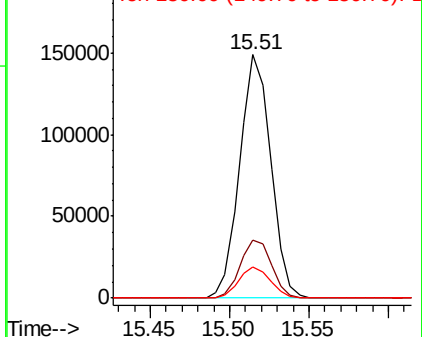


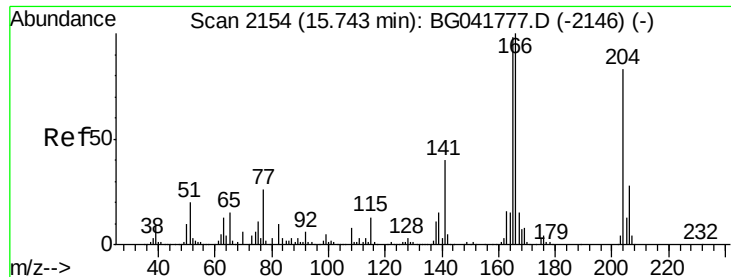
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

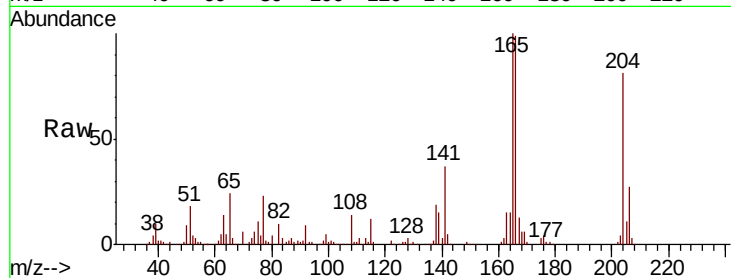




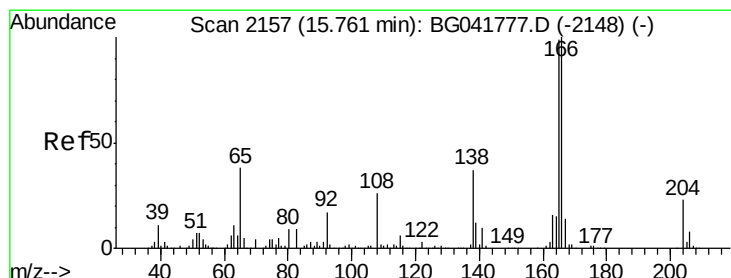
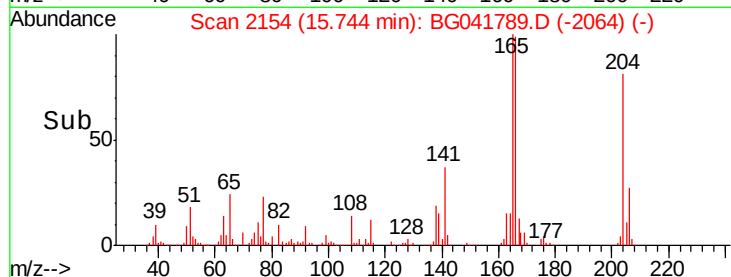
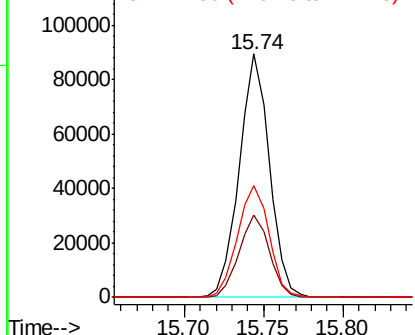
#61  
4-Chlorophenyl-phenylether  
Concen: 9.992 ng  
RT: 15.74 min Scan# 2154  
Delta R.T. 0.00 min  
Lab File: BG041789.D  
Acq: 29 Jul 2019 15:05

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2019

Tot Ion:204 Resp: 118132  
Ion Ratio Lower Upper  
204 100  
206 33.8 28.6 42.8  
141 45.7 42.9 64.3

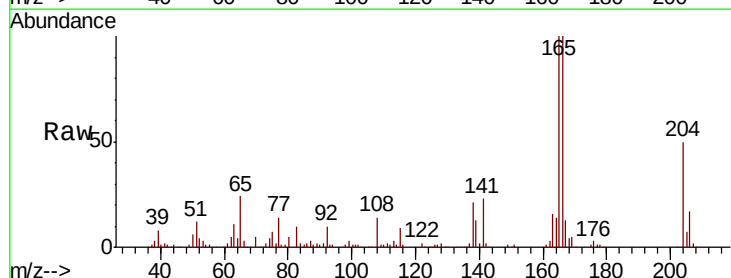


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

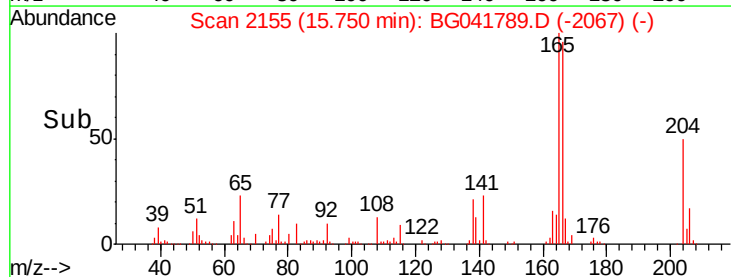
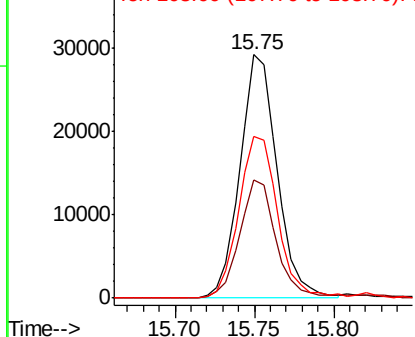


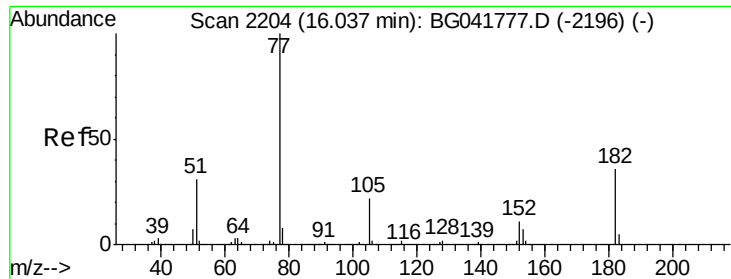
#62  
4-Nitroaniline  
Concen: 9.710 ng  
RT: 15.75 min Scan# 2155  
Delta R.T. -0.01 min  
Lab File: BG041789.D  
Acq: 29 Jul 2019 15:05

Tgt Ion:138 Resp: 47611  
Ion Ratio Lower Upper  
138 100  
92 48.7 29.8 69.8  
108 66.6 52.2 92.2



Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BG  
Ion 108.00 (107.70 to 108.70): E

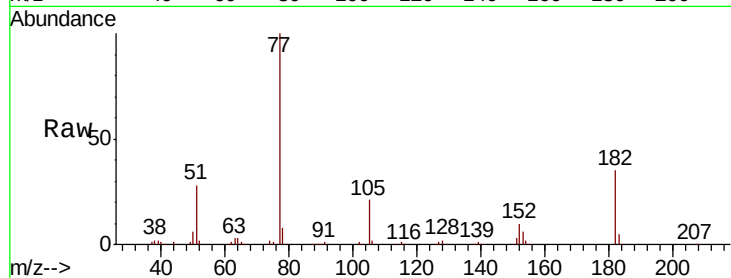




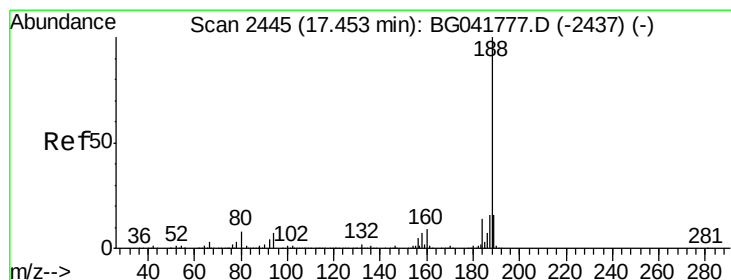
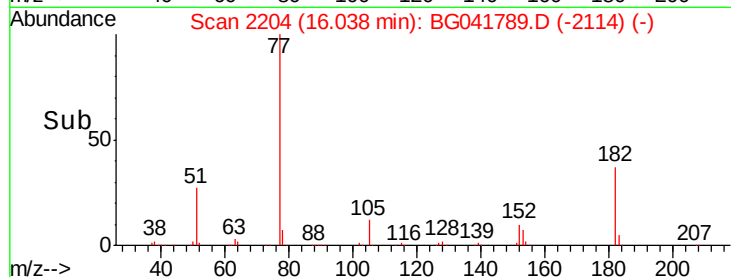
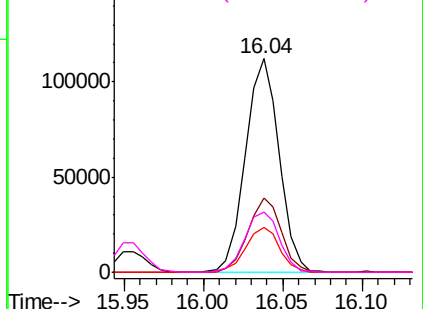
#63  
Azobenzene  
Concen: 10.121 ng  
RT: 16.04 min Scan# 2204  
Delta R.T. 0.00 min  
Lab File: BG041789.D  
Acq: 29 Jul 2019 15:05

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 35.0  | 13.2  | 53.2  |
| 105     | 20.8  | 2.2   | 42.2  |
| 51      | 28.1  | 14.6  | 54.6  |

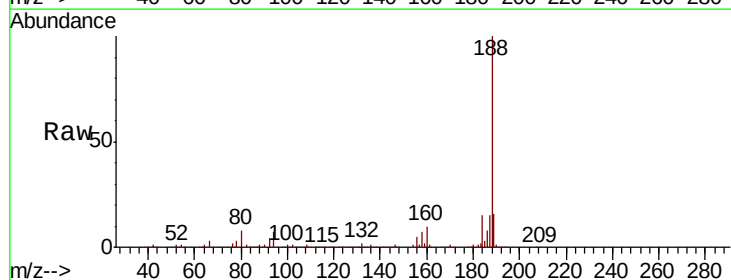


Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 182.00 (181.70 to 182.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC

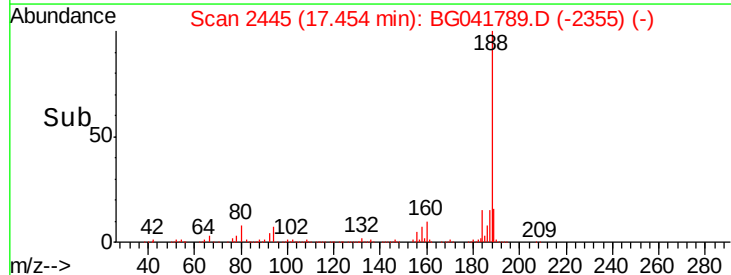
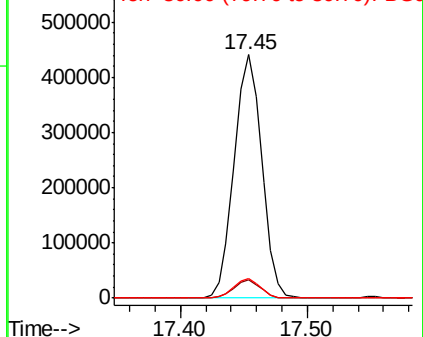


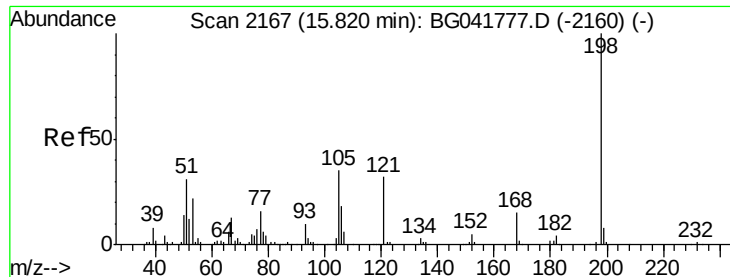
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.45 min Scan# 2445  
Delta R.T. 0.00 min  
Lab File: BG041789.D  
Acq: 29 Jul 2019 15:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.5   | 6.9   | 10.3  |
| 80      | 8.3   | 8.0   | 12.0  |



Abundance Ion 188.00 (187.70 to 188.70): BGC  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 13.996 ng

RT: 15.82 min Scan# 2167

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

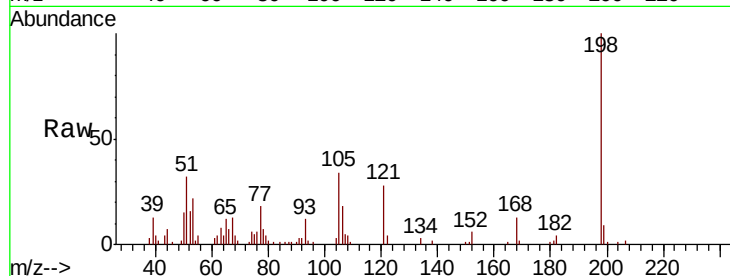
Tot Ion:198 Resp: 27106

Ion Ratio Lower Upper

198 100

51 31.9 22.3 62.3

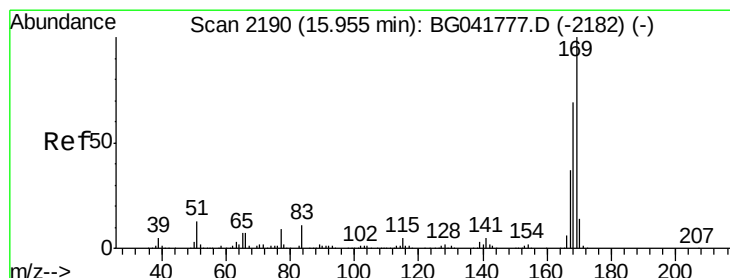
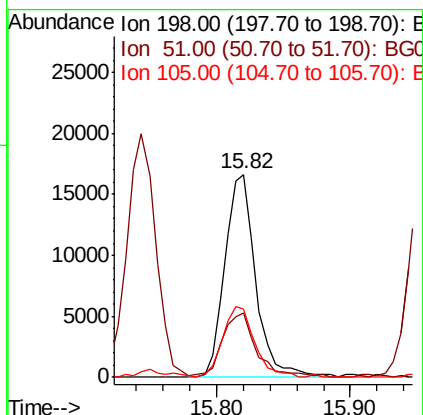
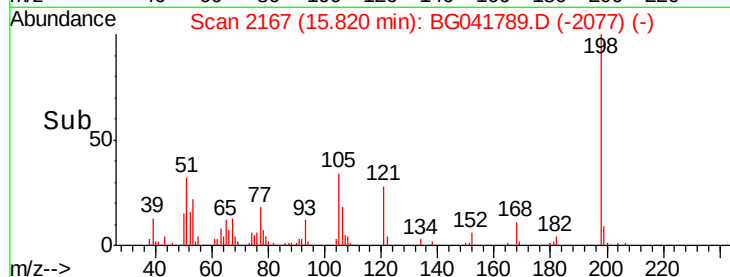
105 33.5 18.0 58.0



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 10.324 ng

RT: 15.96 min Scan# 2190

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

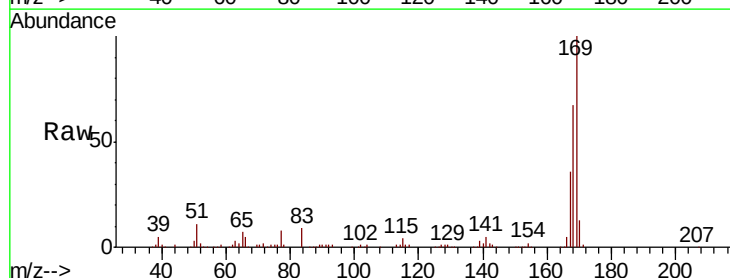
Tgt Ion:169 Resp: 186902

Ion Ratio Lower Upper

169 100

168 67.4 56.9 85.3

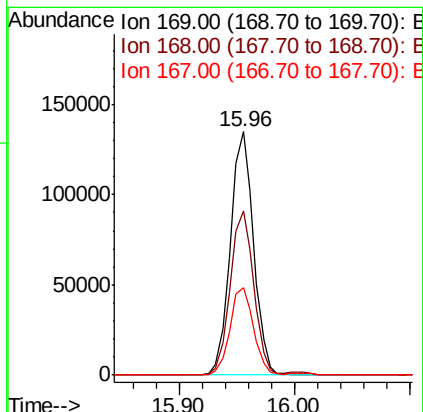
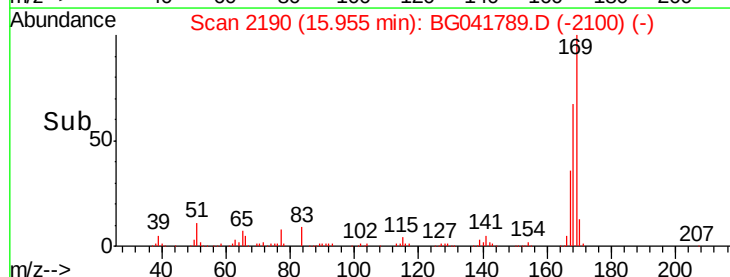
167 35.8 31.5 47.3

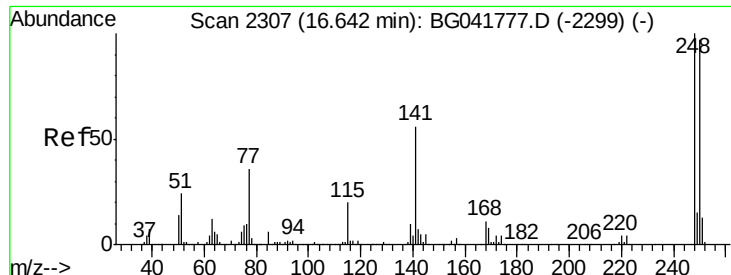


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



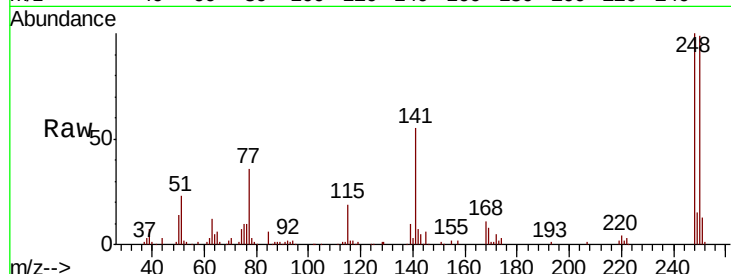


#67  
 4-Bromophenyl-phenylether  
 Concen: 9.251 ng  
 RT: 16.64 min Scan# 2307  
 Delta R.T. 0.00 min  
 Lab File: BG041789.D  
 Acq: 29 Jul 2019 15:05

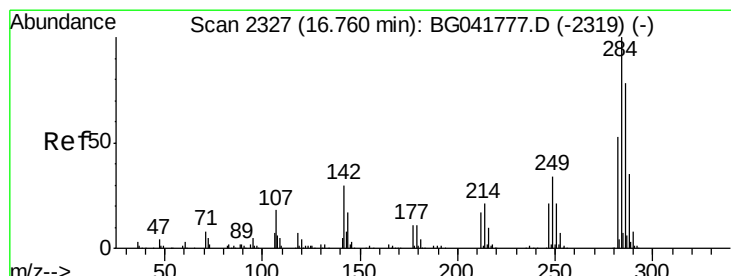
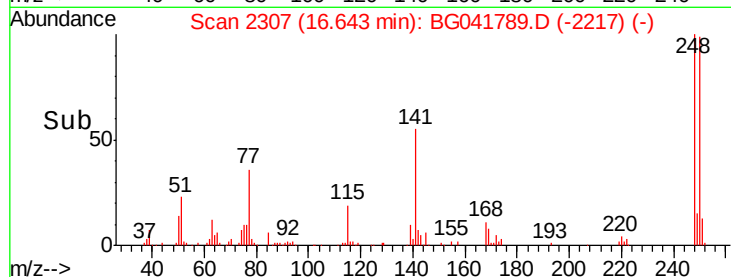
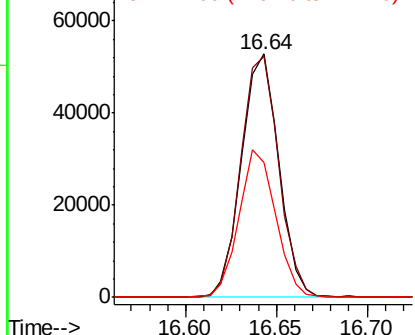
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2019

Tot Ion:248 Resp: 75739  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 248 | 100   |       |       |
| 250 | 99.1  | 78.1  | 117.1 |
| 141 | 55.4  | 49.6  | 74.4  |



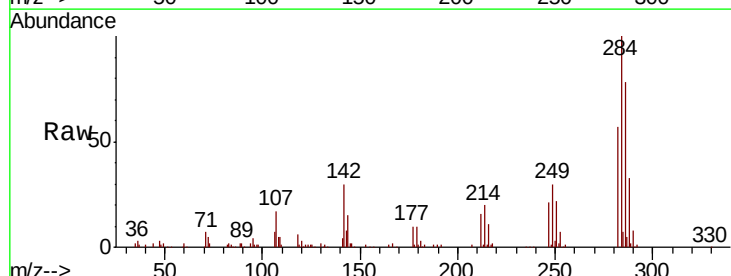
Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E



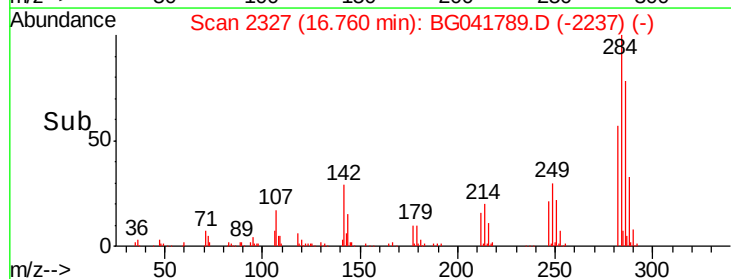
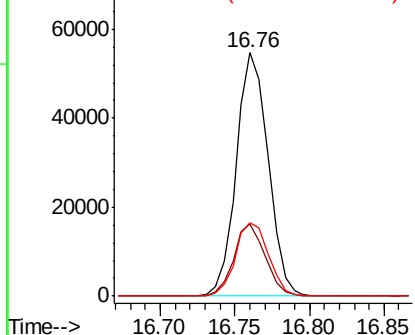
#68  
 Hexachlorobenzene  
 Concen: 9.472 ng  
 RT: 16.76 min Scan# 2327  
 Delta R.T. 0.00 min  
 Lab File: BG041789.D  
 Acq: 29 Jul 2019 15:05

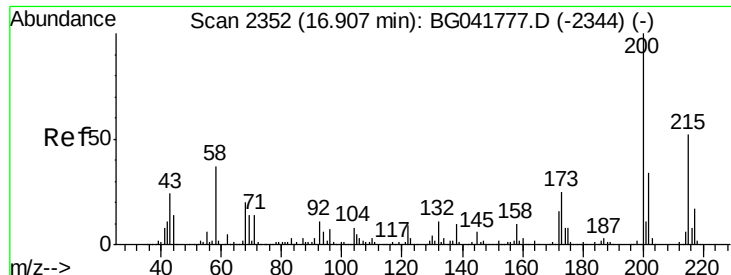
Tgt Ion:284 Resp: 81123  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 284 | 100   |       |       |
| 142 | 29.8  | 27.0  | 40.6  |
| 249 | 30.0  | 28.4  | 42.6  |



Abundance Ion 283.80 (283.50 to 284.50): E  
 Ion 142.00 (141.70 to 142.70): E  
 Ion 249.00 (248.70 to 249.70): E

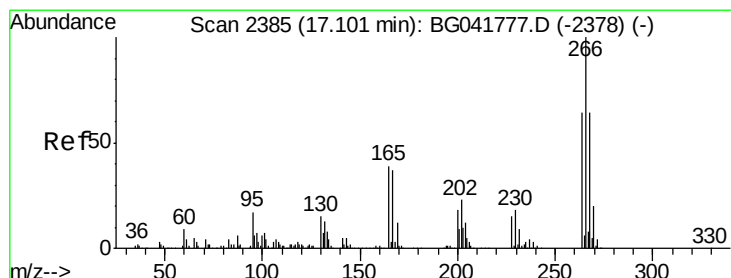
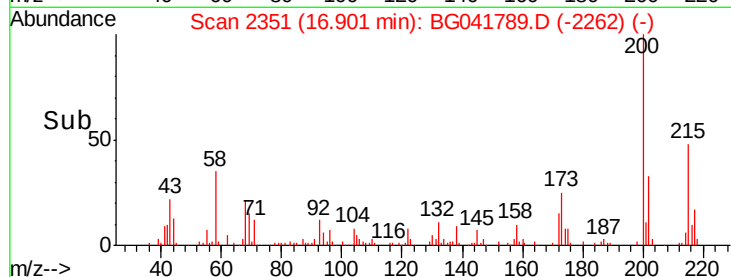
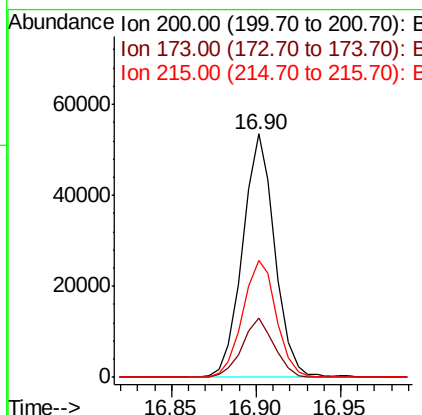
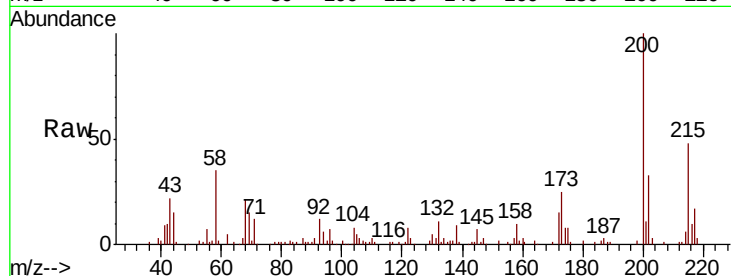




#69  
Atrazine  
Concen: 9.945 ng  
RT: 16.90 min Scan# 2351  
Delta R.T. -0.01 min  
Lab File: BG041789.D  
Acq: 29 Jul 2019 15:05

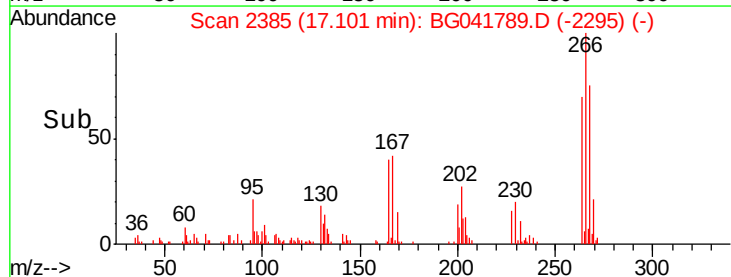
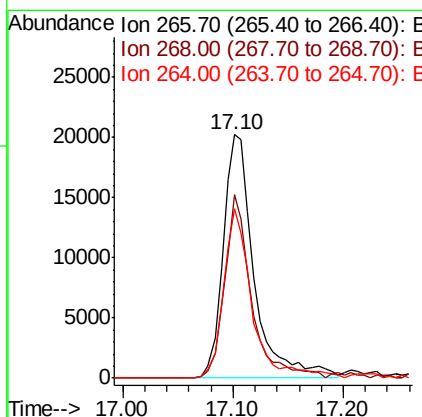
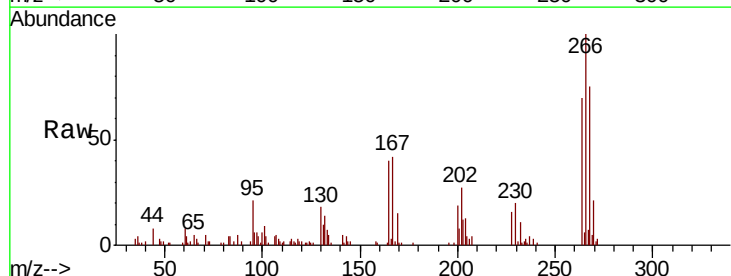
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2019

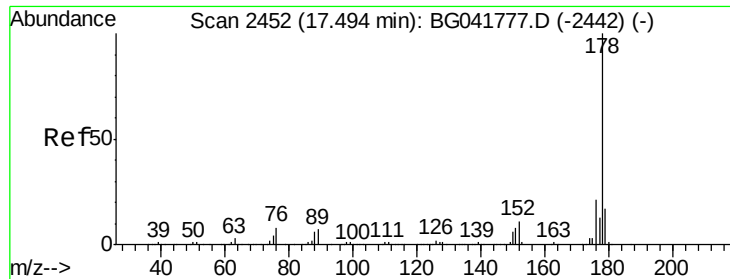
Tot Ion:200 Resp: 70741  
Ion Ratio Lower Upper  
200 100  
173 24.6 5.3 45.3  
215 48.0 31.8 71.8



#70  
Pentachlorophenol  
Concen: 8.133 ng  
RT: 17.10 min Scan# 2385  
Delta R.T. 0.00 min  
Lab File: BG041789.D  
Acq: 29 Jul 2019 15:05

Tgt Ion:266 Resp: 39571  
Ion Ratio Lower Upper  
266 100  
268 80.0 52.9 79.3#  
264 69.8 51.4 77.2

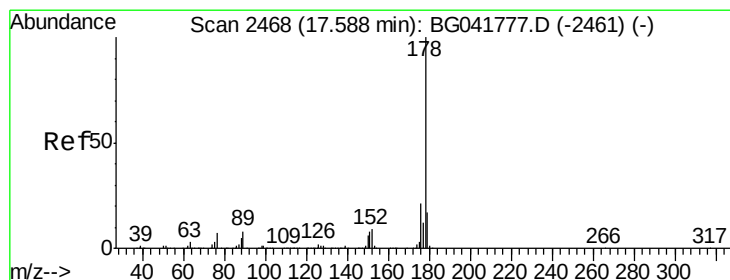
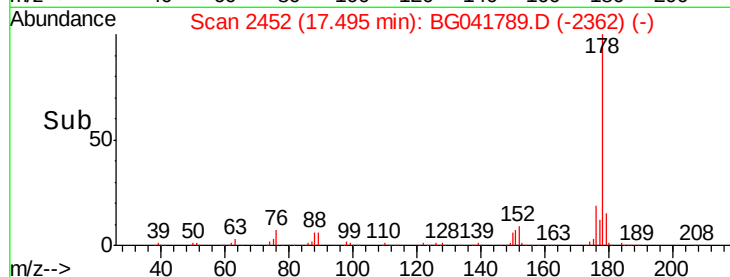
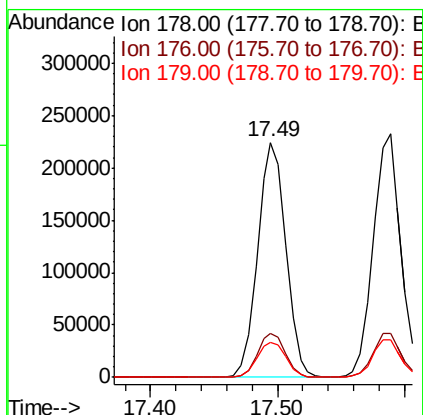
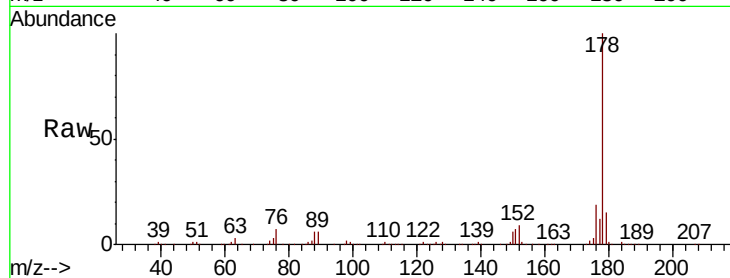




#71  
Phenanthrene  
Concen: 10.883 ng  
RT: 17.49 min Scan# 2452  
Delta R.T. 0.00 min  
Lab File: BG041789.D  
Acq: 29 Jul 2019 15:05

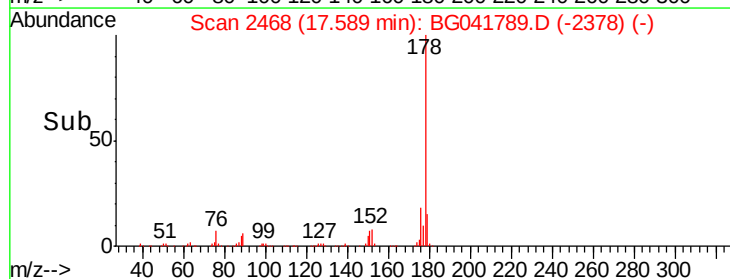
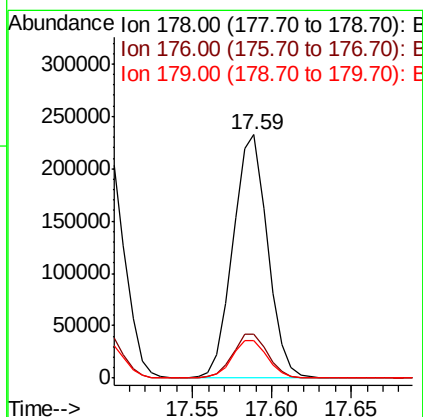
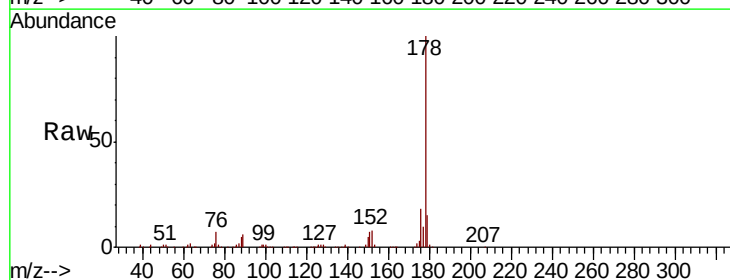
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2019

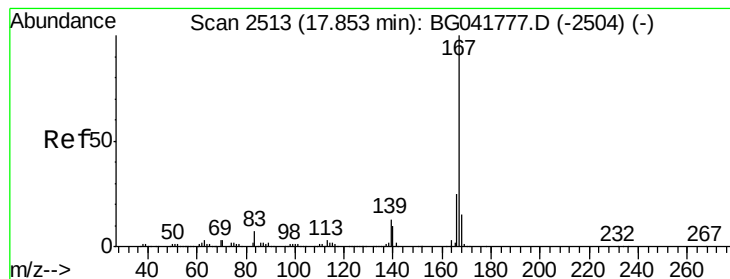
Tot Ion:178 Resp: 346691  
Ion Ratio Lower Upper  
178 100  
176 18.7 18.6 28.0  
179 15.1 15.4 23.0#



#72  
Anthracene  
Concen: 10.994 ng  
RT: 17.59 min Scan# 2468  
Delta R.T. 0.00 min  
Lab File: BG041789.D  
Acq: 29 Jul 2019 15:05

Tgt Ion:178 Resp: 349315  
Ion Ratio Lower Upper  
178 100  
176 17.9 18.6 28.0#  
179 15.2 15.1 22.7





#73

Carbazole

Concen: 10.782 ng

RT: 17.85 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

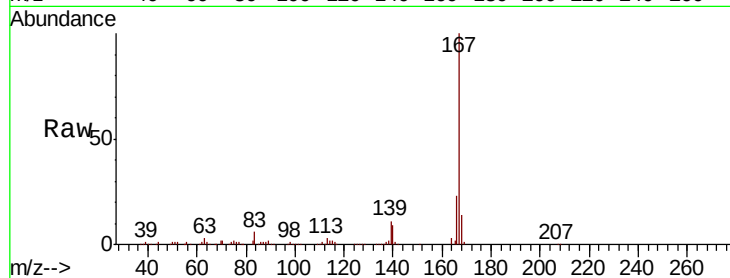
Tot Ion:167 Resp: 307468

Ion Ratio Lower Upper

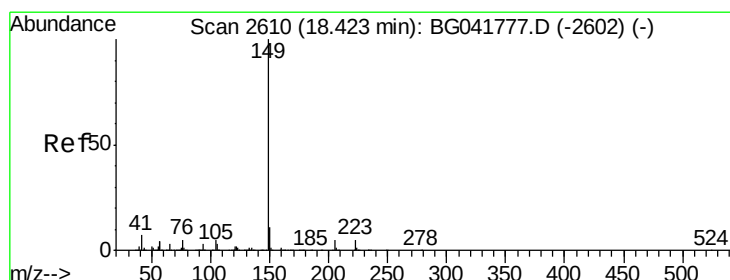
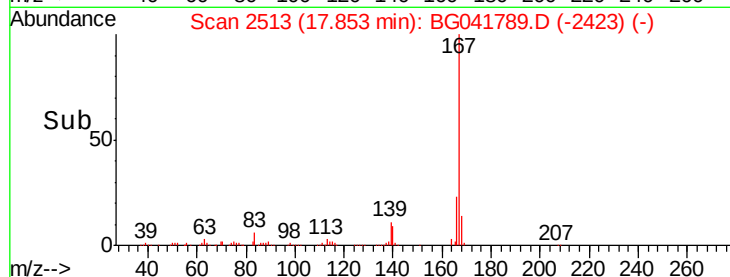
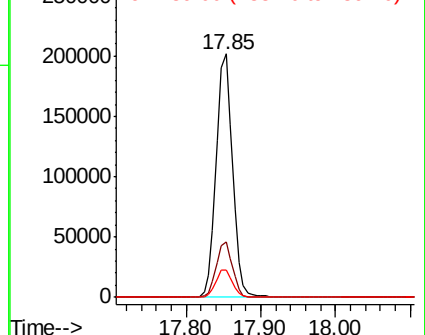
167 100

166 22.9 21.4 32.2

139 11.1 12.1 18.1#



Abundance Ion 167.00 (166.70 to 167.70): E  
Ion 166.00 (165.70 to 166.70): E  
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 10.566 ng

RT: 18.42 min Scan# 2609

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

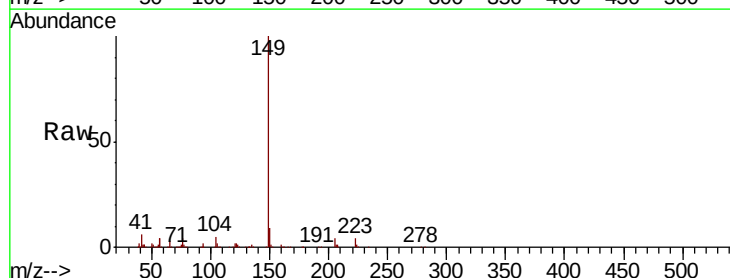
Tgt Ion:149 Resp: 341596

Ion Ratio Lower Upper

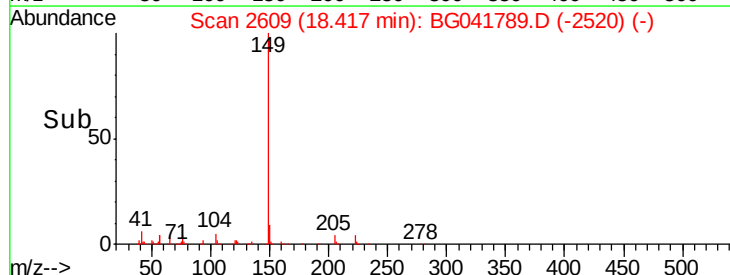
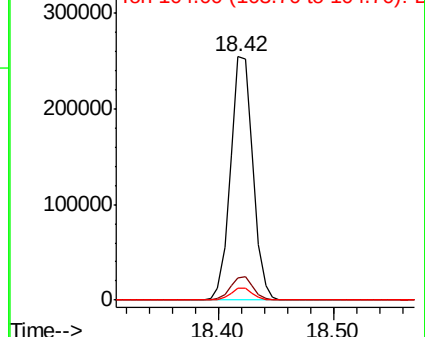
149 100

150 9.2 10.2 15.2#

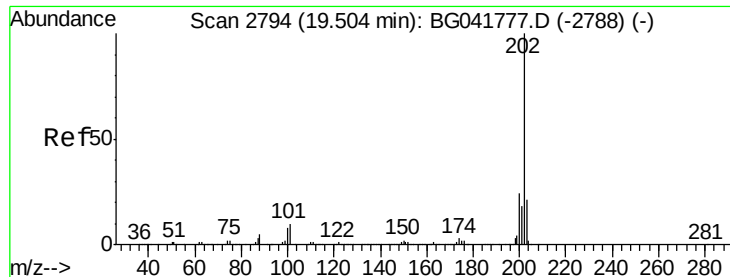
104 5.0 5.3 7.9#



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 104.00 (103.70 to 104.70): E







#75

Fluoranthene

Concen: 11.375 ng

RT: 19.50 min Scan# 2794

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

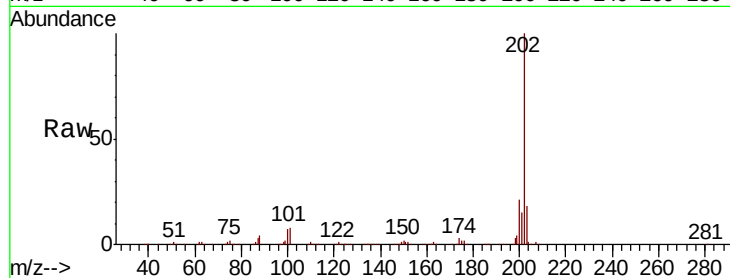
Tot Ion:202 Resp: 440474

Ion Ratio Lower Upper

202 100

101 8.1 0.0 32.8

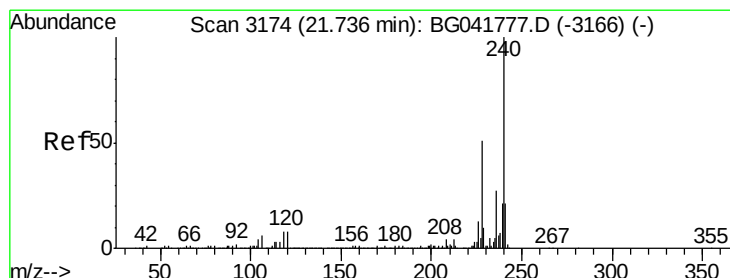
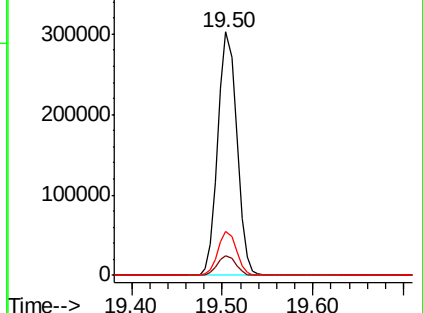
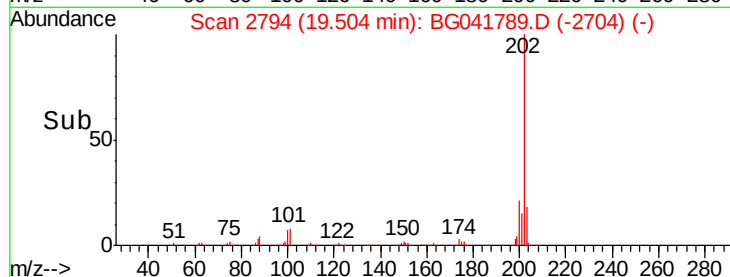
203 18.3 3.7 43.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.74 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

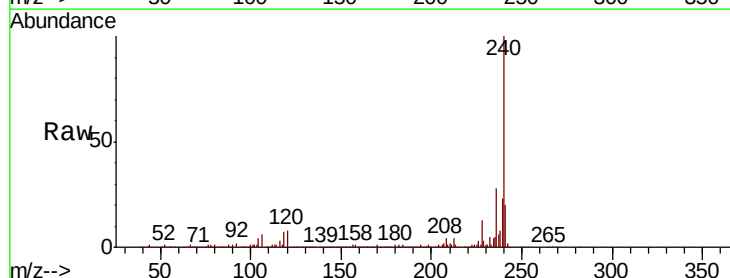
Tgt Ion:240 Resp: 667617

Ion Ratio Lower Upper

240 100

120 7.8 8.0 12.0#

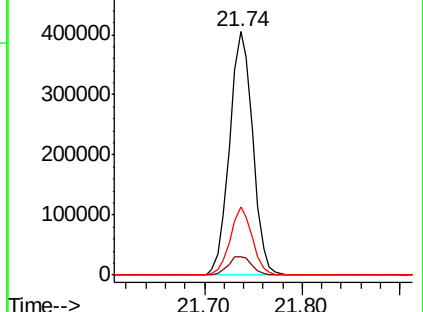
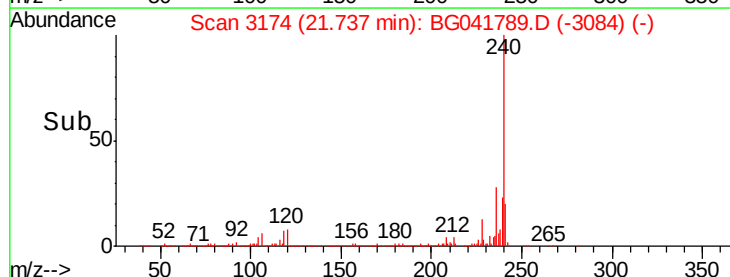
236 28.0 22.6 33.8

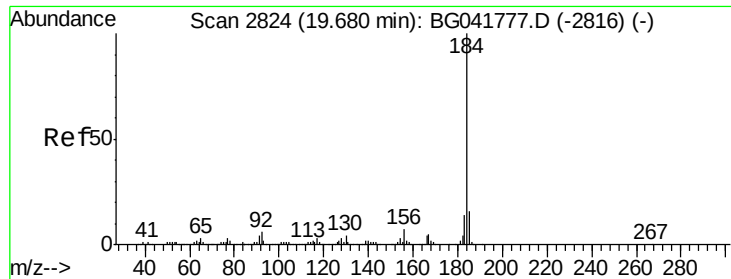


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 9.815 ng

RT: 19.68 min Scan# 2824

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

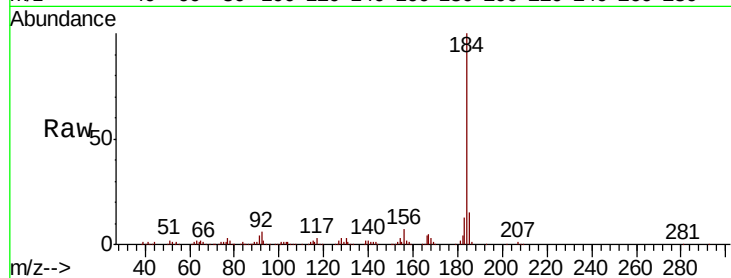
Tot Ion:184 Resp: 213874

Ion Ratio Lower Upper

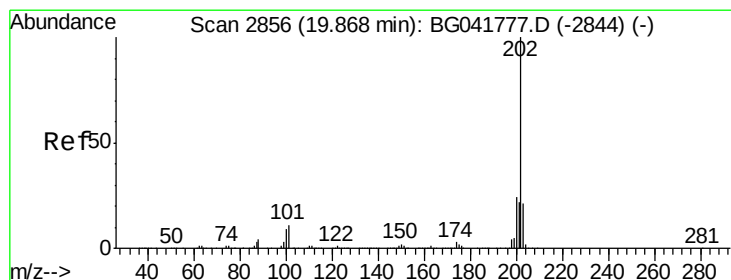
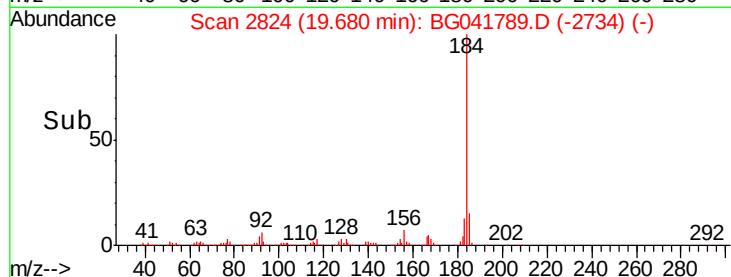
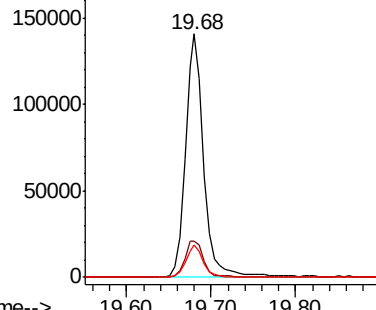
184 100

185 14.7 13.0 19.4

183 13.4 11.8 17.6



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 11.358 ng

RT: 19.87 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

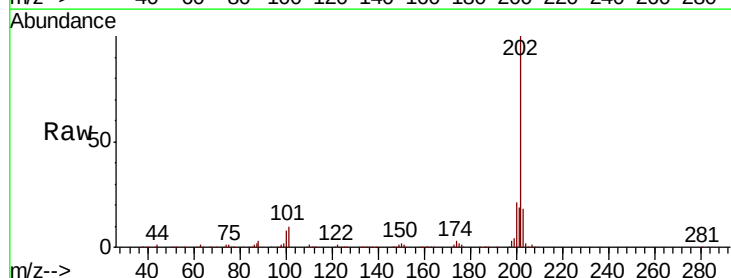
Tgt Ion:202 Resp: 449251

Ion Ratio Lower Upper

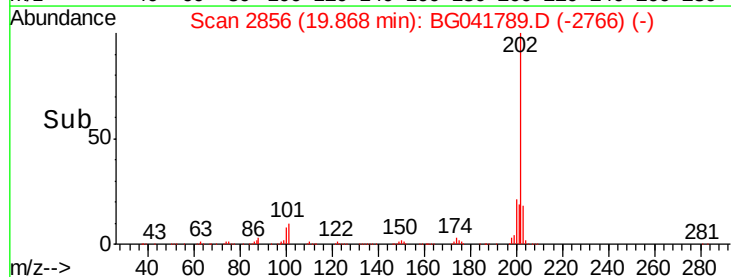
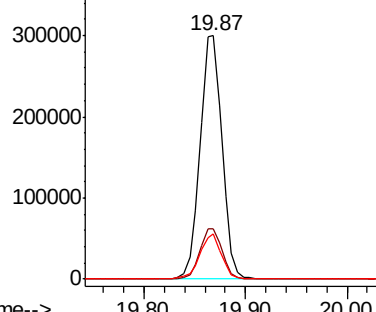
202 100

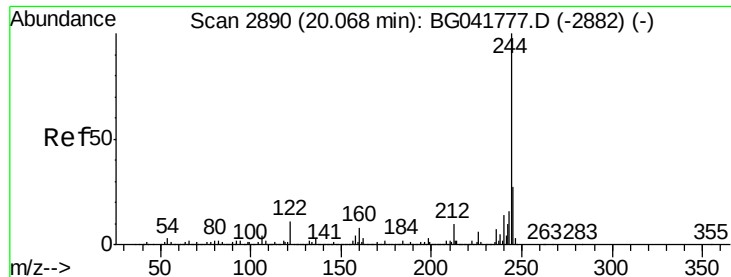
200 20.7 22.2 33.2#

203 18.3 18.9 28.3#



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 74.371 ng

RT: 20.07 min Scan# 2890

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

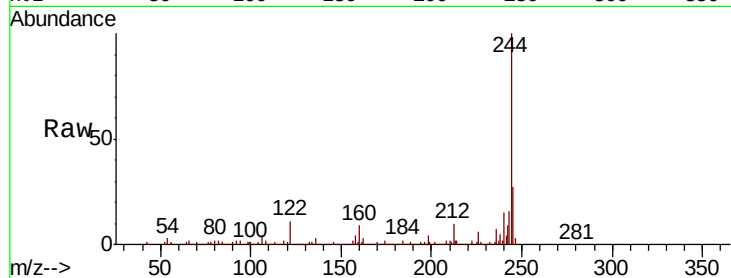
BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tot Ion:244 Resp: 2169827

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.9   | 9.7   | 14.5  |
| 122 | 10.9  | 12.5  | 18.7# |

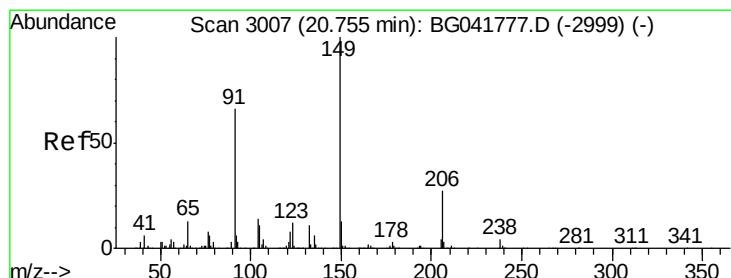
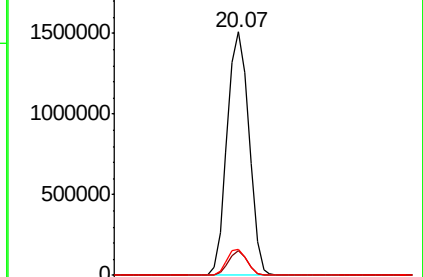
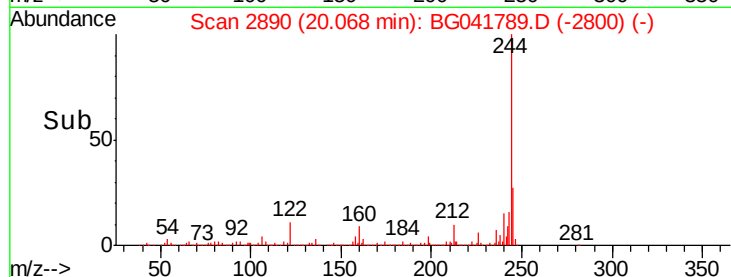


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 9.475 ng

RT: 20.76 min Scan# 3007

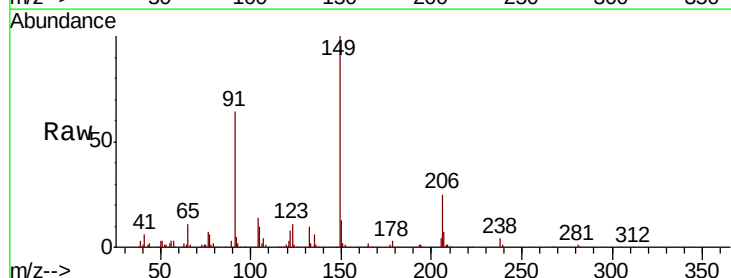
Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Tgt Ion:149 Resp: 143688

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 63.6  | 58.9  | 88.3  |
| 206 | 24.9  | 20.8  | 31.2  |

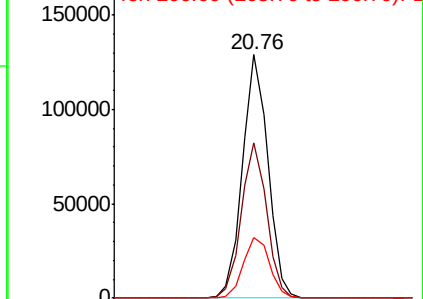
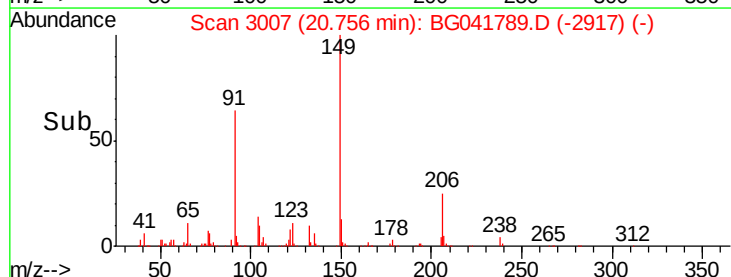


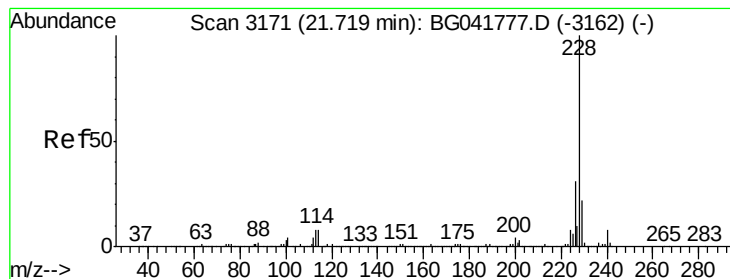
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 10.622 ng

RT: 21.72 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

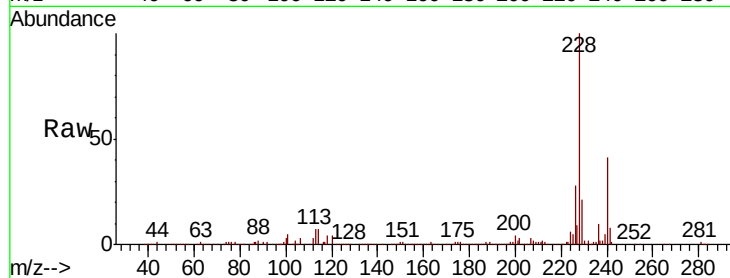
Tot Ion:228 Resp: 419562

Ion Ratio Lower Upper

228 100

226 28.2 27.3 40.9

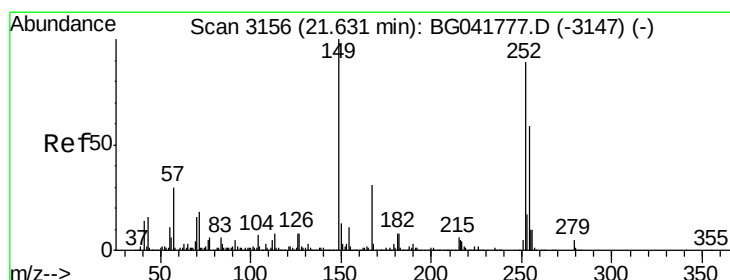
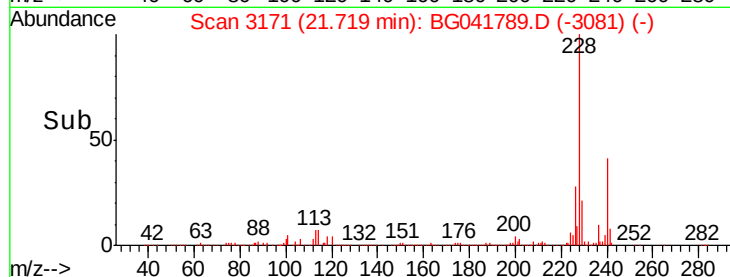
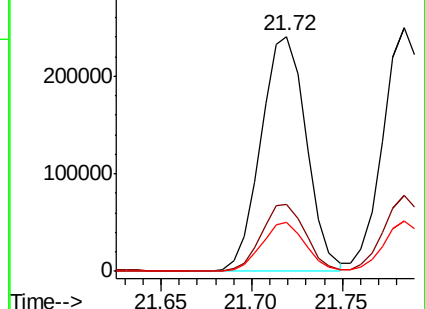
229 20.8 19.7 29.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 10.531 ng

RT: 21.63 min Scan# 3156

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

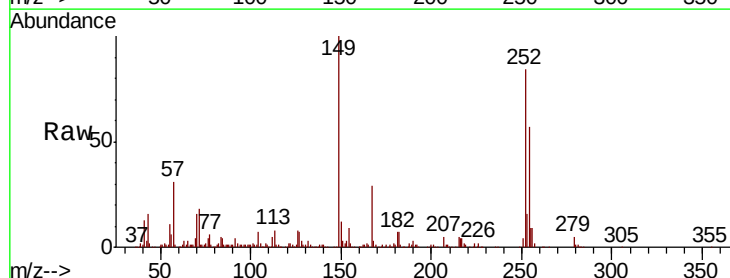
Tgt Ion:252 Resp: 167015

Ion Ratio Lower Upper

252 100

254 67.2 53.8 80.6

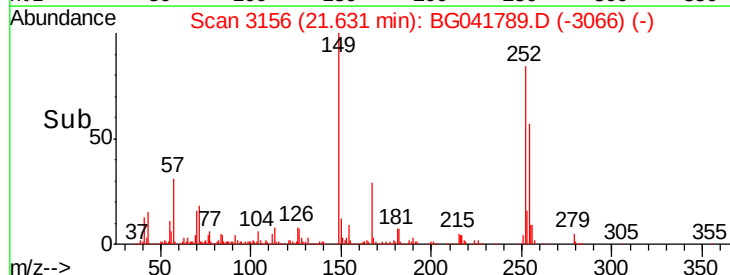
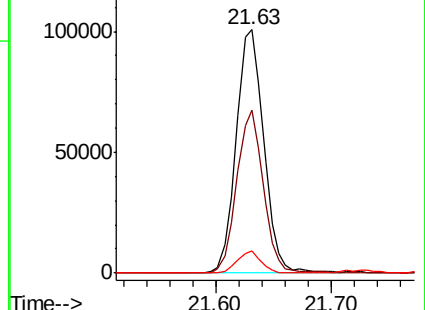
126 9.3 7.8 11.8

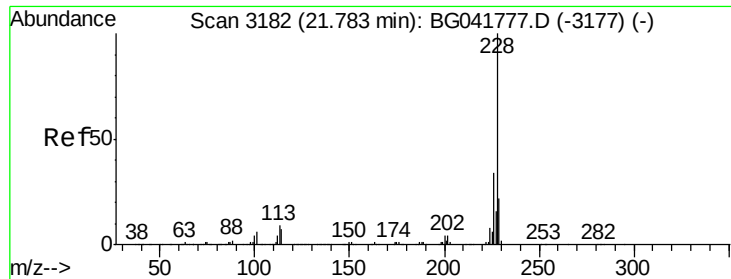


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 10.714 ng

RT: 21.78 min Scan# 3182

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

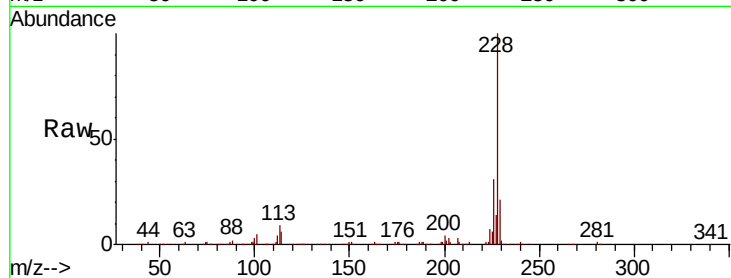
Tot Ion:228 Resp: 405658

Ion Ratio Lower Upper

228 100

226 31.3 30.1 45.1

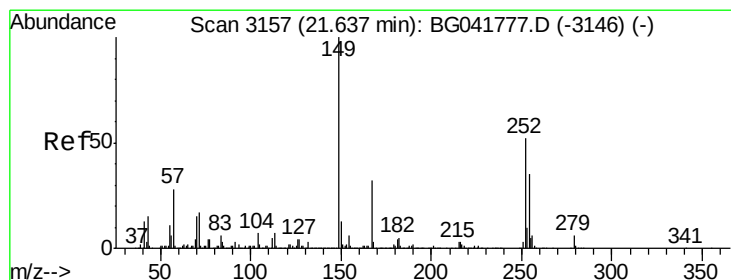
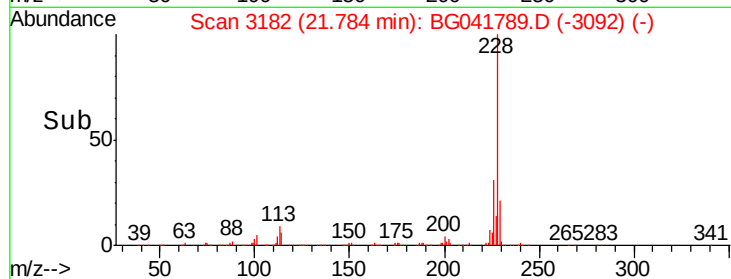
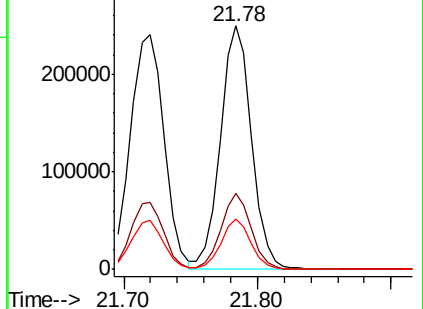
229 20.6 19.8 29.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.169 ng

RT: 21.64 min Scan# 3157

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

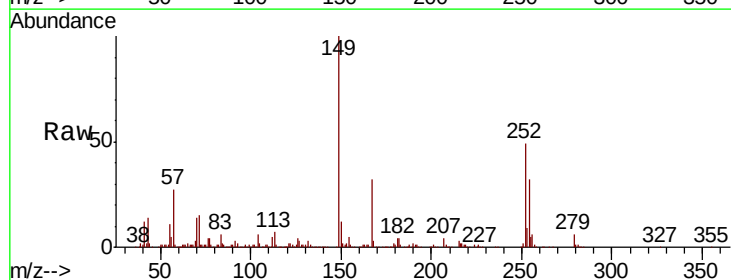
Tgt Ion:149 Resp: 212721

Ion Ratio Lower Upper

149 100

167 31.5 27.0 40.4

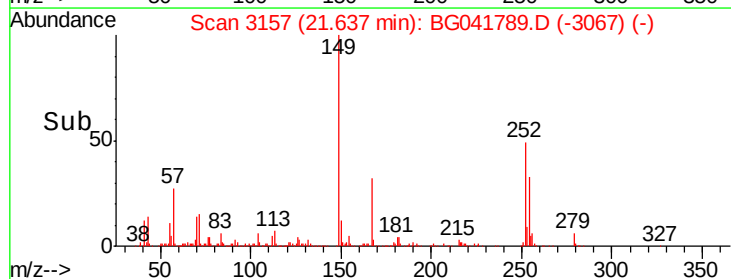
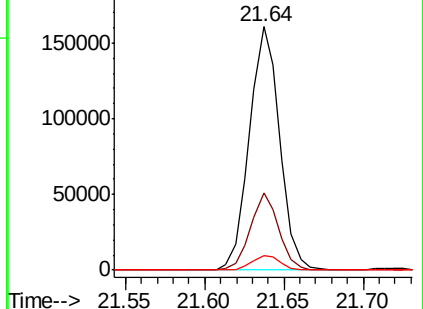
279 6.1 5.0 7.6

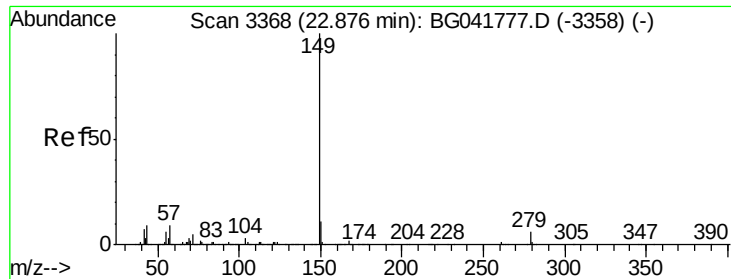


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 10.018 ng

RT: 22.88 min Scan# 3368

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

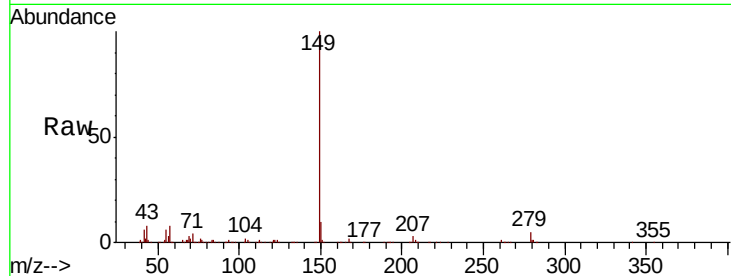
Tot Ion:149 Resp: 352682

Ion Ratio Lower Upper

149 100

167 1.6 1.6 2.4

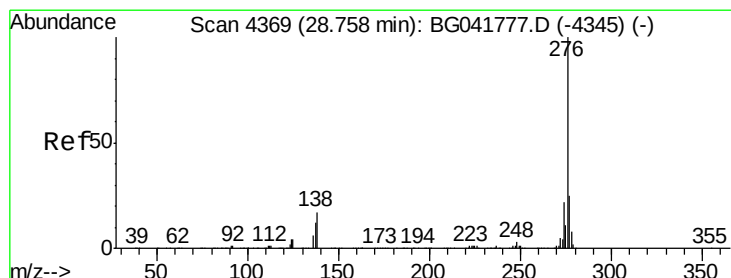
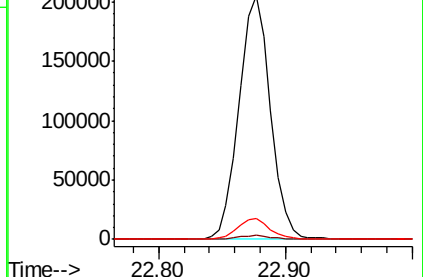
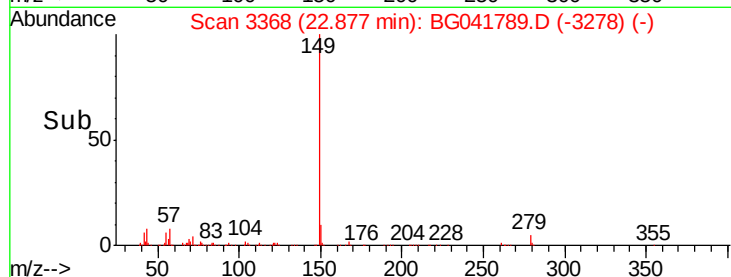
43 8.5 10.6 16.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 9.415 ng

RT: 28.75 min Scan# 4367

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

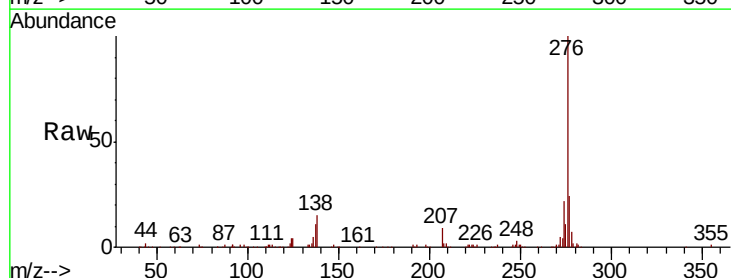
Tgt Ion:276 Resp: 471874

Ion Ratio Lower Upper

276 100

138 11.7 19.4 29.0#

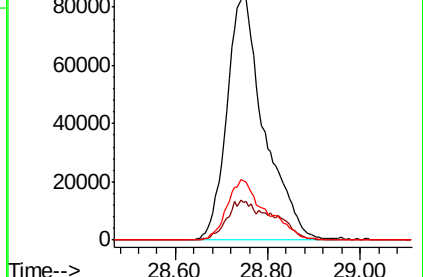
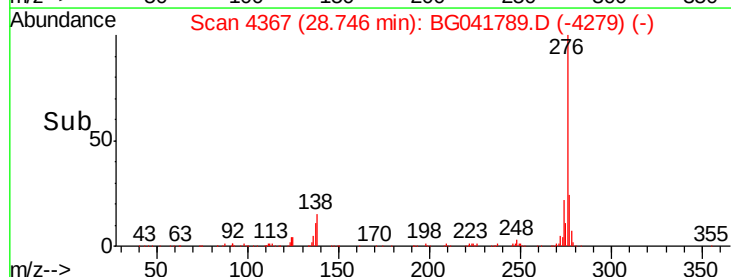
277 25.7 21.2 31.8

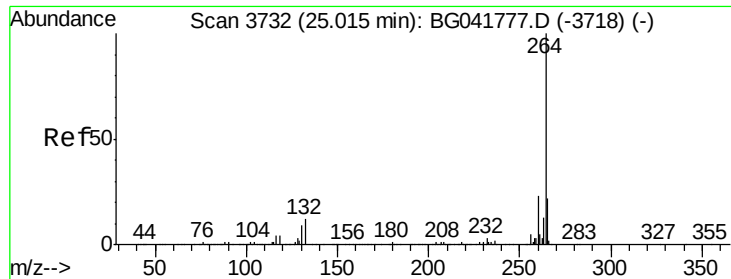


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



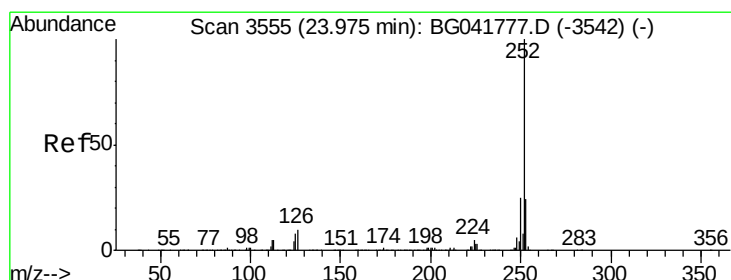
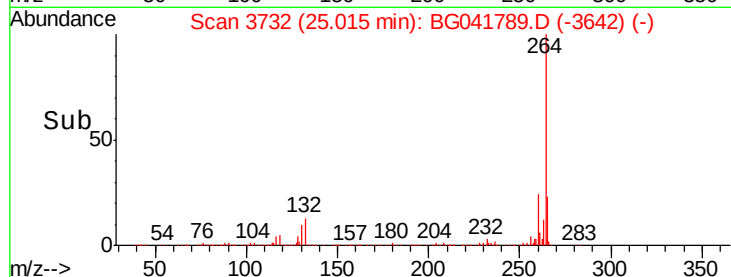
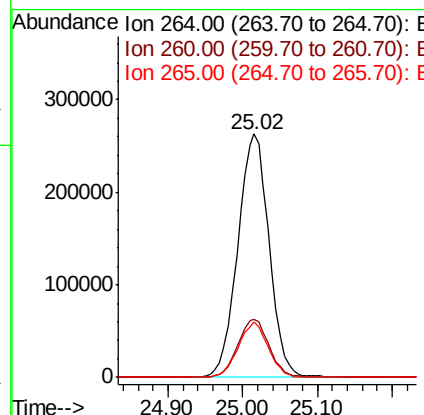
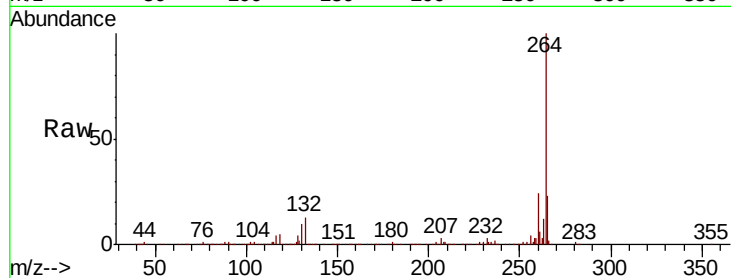


#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.02 min Scan# 3732  
Delta R.T. 0.00 min  
Lab File: BG041789.D  
Acq: 29 Jul 2019 15:05

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2019

Tot Ion:264 Resp: 762281  

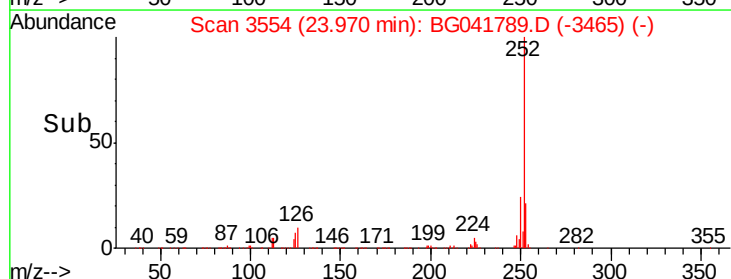
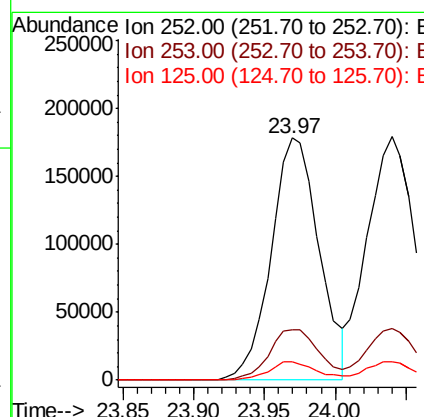
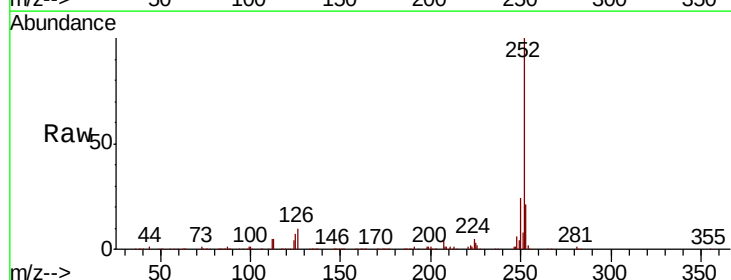
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.7  | 19.5  | 29.3  |
| 265 | 22.8  | 18.0  | 27.0  |

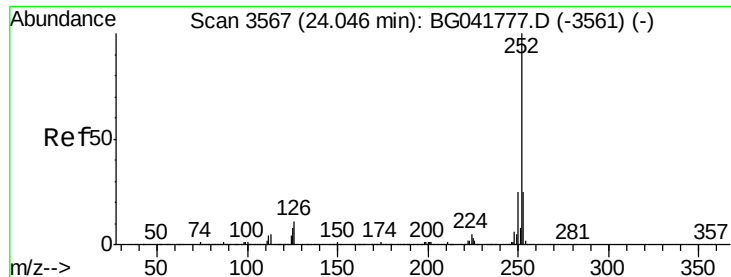


#88  
Benzo(b)fluoranthene  
Concen: 10.146 ng  
RT: 23.97 min Scan# 3554  
Delta R.T. -0.01 min  
Lab File: BG041789.D  
Acq: 29 Jul 2019 15:05

Tgt Ion:252 Resp: 423093  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.0  | 20.6  | 30.8  |
| 125 | 7.5   | 8.0   | 12.0# |

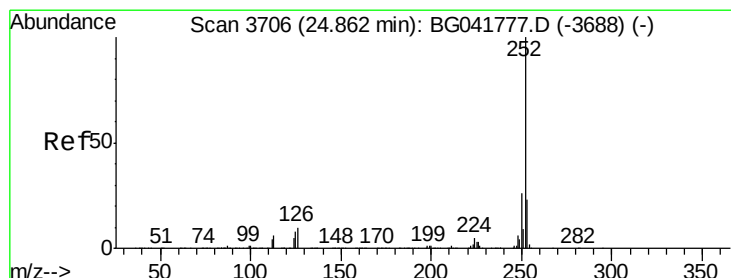
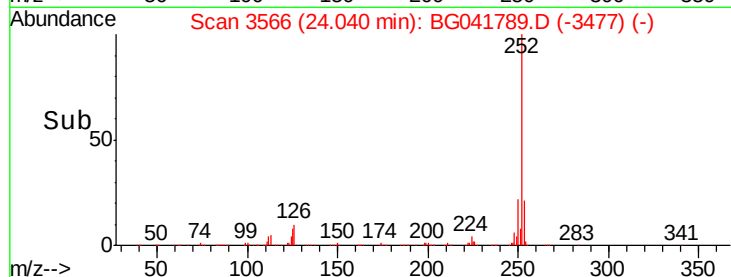
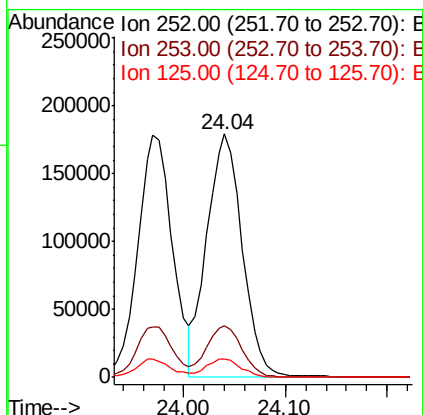
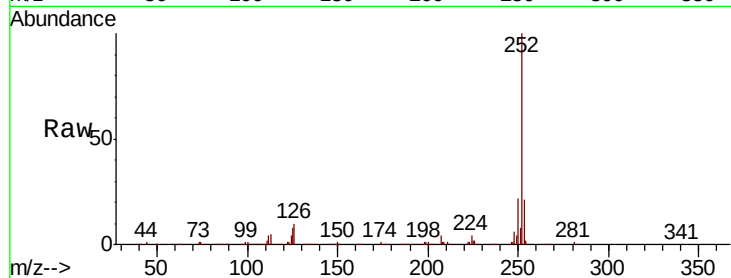




#89  
Benzo(k)fluoranthene  
Concen: 10.667 ng  
RT: 24.04 min Scan# 3566  
Delta R.T. -0.01 min  
Lab File: BG041789.D  
Acq: 29 Jul 2019 15:05

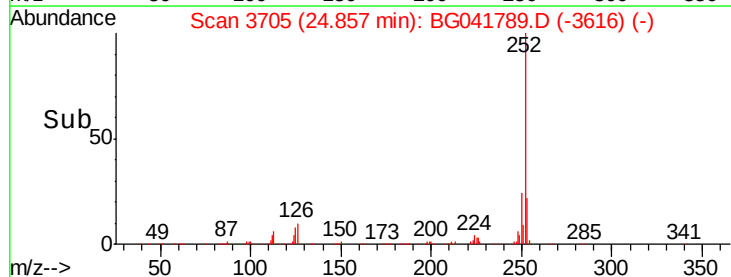
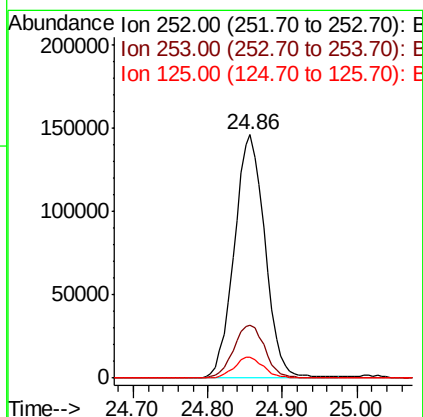
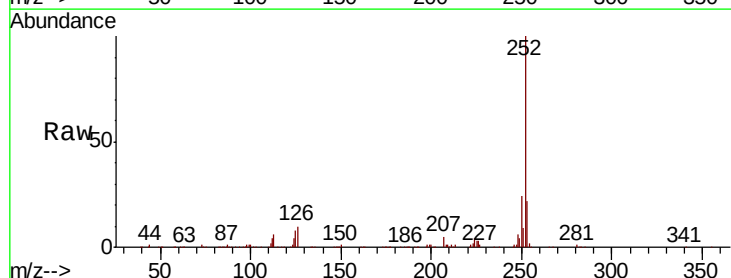
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT3-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.1  | 20.5  | 30.7  |
| 125     | 7.7   | 8.4   | 12.6# |

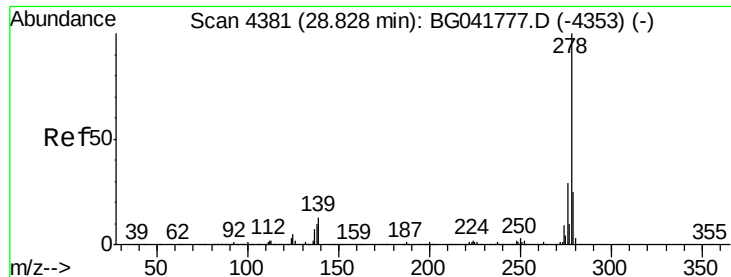


#90  
Benzo(a)pyrene  
Concen: 10.429 ng  
RT: 24.86 min Scan# 3705  
Delta R.T. -0.01 min  
Lab File: BG041789.D  
Acq: 29 Jul 2019 15:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 19.8  | 29.8  |
| 125     | 8.4   | 8.8   | 13.2# |







#91

Dibenzo(a,h)anthracene

Concen: 9.952 ng

RT: 28.82 min Scan# 4379

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

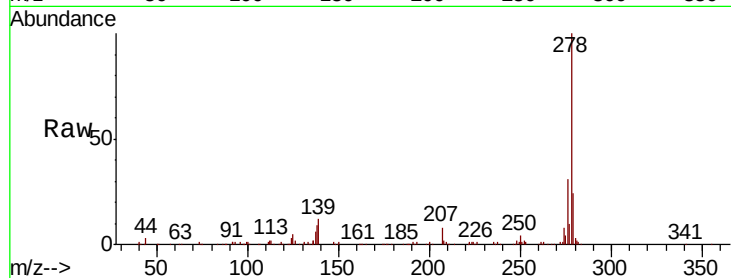
Tot Ion:278 Resp: 390832

Ion Ratio Lower Upper

278 100

139 12.1 12.6 19.0#

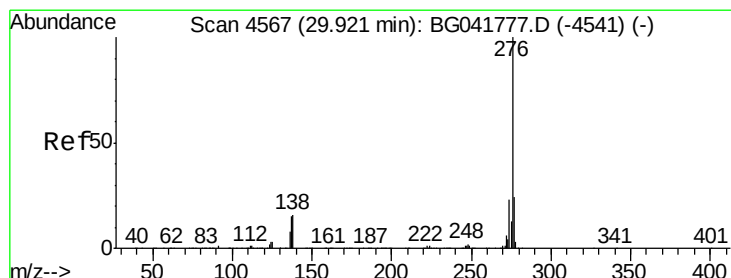
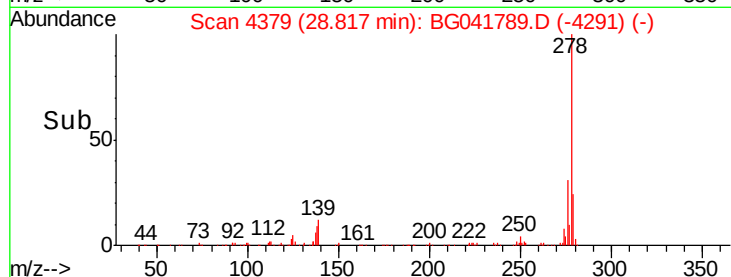
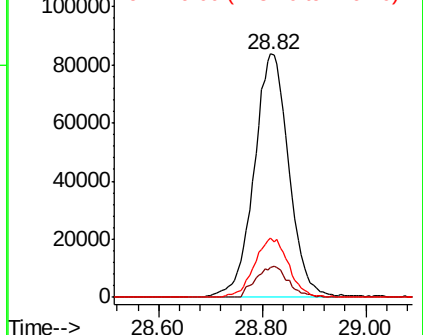
279 24.3 20.5 30.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 10.071 ng

RT: 29.91 min Scan# 4565

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

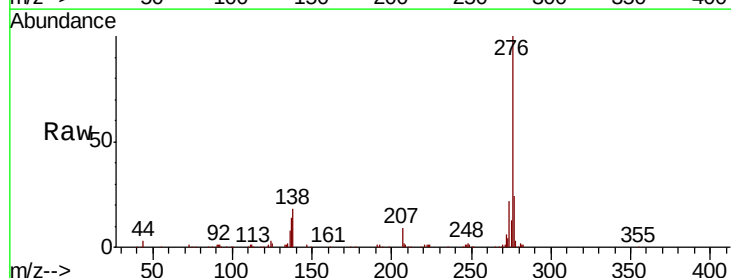
Tgt Ion:276 Resp: 395120

Ion Ratio Lower Upper

276 100

277 24.1 19.8 29.8

138 17.9 16.6 25.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

