

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100317\  
 Data File : BG029013.D  
 Acq On : 3 Oct 2017 20:01  
 Operator : SJ/JU  
 Sample : I5275-02  
 Misc : L00 20 PPM  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT4-2017

Quant Time: Oct 05 01:41:07 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 16:57:11 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.24  | 152  | 36043    | 20.00 | ng    | -0.09    |
| 21) Naphthalene-d8        | 11.06 | 136  | 151488   | 20.00 | ng    | -0.09    |
| 38) Acenaphthene-d10      | 14.86 | 164  | 107221   | 20.00 | ng    | -0.08    |
| 63) Phenanthrene-d10      | 17.61 | 188  | 260930   | 20.00 | ng    | -0.08    |
| 75) Chrysene-d12          | 21.92 | 240  | 284883   | 20.00 | ng    | -0.11    |
| 86) Perylene-d12          | 25.34 | 264  | 282505   | 20.00 | ng    | -0.18    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.81  | 112 | 370553  | 169.64 | ng | -0.09 |
| 7) Phenol-d6                | 7.40  | 99  | 508624  | 154.65 | ng | -0.09 |
| 23) Nitrobenzene-d5         | 9.41  | 82  | 309789  | 97.83  | ng | -0.10 |
| 41) 2,4,6-Tribromophenol    | 16.36 | 330 | 286774  | 161.71 | ng | -0.08 |
| 44) 2-Fluorobiphenyl        | 13.48 | 172 | 760051  | 94.52  | ng | -0.08 |
| 78) Terphenyl-d14           | 20.20 | 244 | 1250761 | 93.63  | ng | -0.08 |

|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.73  | 88  | 17300  | 19.557 | ng | 94   |
| 3) Pyridine                    | 4.13  | 79  | 53393  | 21.160 | ng | # 92 |
| 4) n-Nitrosodimethylamine      | 4.04  | 42  | 24874  | 21.670 | ng | 90   |
| 6) Aniline                     | 7.56  | 93  | 79159  | 20.681 | ng | 93   |
| 8) 2-Chlorophenol              | 7.81  | 128 | 51133  | 20.999 | ng | 91   |
| 9) Benzaldehyde                | 7.38  | 77  | 28843  | 14.136 | ng | # 76 |
| 10) Phenol                     | 7.42  | 94  | 71964  | 20.734 | ng | 91   |
| 11) bis(2-Chloroethyl)ether    | 7.65  | 93  | 50667  | 20.333 | ng | 91   |
| 12) 1,3-Dichlorobenzene        | 8.13  | 146 | 54486  | 20.780 | ng | 91   |
| 13) 1,4-Dichlorobenzene        | 8.28  | 146 | 58927  | 21.855 | ng | 96   |
| 14) 1,2-Dichlorobenzene        | 8.60  | 146 | 56520  | 21.218 | ng | 94   |
| 15) Benzyl Alcohol             | 8.48  | 79  | 47673  | 18.569 | ng | 93   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.75  | 45  | 96353  | 21.275 | ng | 98   |
| 17) 2-Methylphenol             | 8.68  | 107 | 45450  | 20.039 | ng | 89   |
| 18) Hexachloroethane           | 9.33  | 117 | 21220  | 21.473 | ng | 96   |
| 19) n-Nitroso-di-n-propylamine | 9.04  | 70  | 49239  | 21.120 | ng | 88   |
| 20) 3+4-Methylphenols          | 9.01  | 107 | 60083  | 18.939 | ng | 92   |
| 22) Acetophenone               | 9.06  | 105 | 92518  | 20.887 | ng | # 88 |
| 24) Nitrobenzene               | 9.46  | 77  | 73919  | 21.080 | ng | 95   |
| 25) Isophorone                 | 9.97  | 82  | 131441 | 20.513 | ng | 96   |
| 26) 2-Nitrophenol              | 10.17 | 139 | 29902  | 20.036 | ng | # 90 |
| 27) 2,4-Dimethylphenol         | 10.21 | 122 | 51553  | 18.898 | ng | 89   |
| 28) bis(2-Chloroethoxy)methane | 10.44 | 93  | 72213  | 20.753 | ng | 100  |
| 29) 2,4-Dichlorophenol         | 10.71 | 162 | 52350  | 19.287 | ng | 95   |
| 30) 1,2,4-Trichlorobenzene     | 10.92 | 180 | 63907  | 20.639 | ng | 93   |
| 31) Naphthalene                | 11.11 | 128 | 164381 | 20.776 | ng | 95   |
| 32) Benzoic acid               | 10.35 | 122 | 31451  | 20.262 | ng | # 84 |
| 33) 4-Chloroaniline            | 11.23 | 127 | 63835  | 19.260 | ng | 96   |
| 34) Hexachlorobutadiene        | 11.38 | 225 | 47141  | 20.670 | ng | 98   |
| 35) Caprolactam                | 11.99 | 113 | 18963  | 19.483 | ng | # 89 |
| 36) 4-Chloro-3-methylphenol    | 12.33 | 107 | 65941  | 18.668 | ng | 96   |
| 37) 2-Methylnaphthalene        | 12.70 | 142 | 114588 | 19.398 | ng | 96   |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.06 | 216 | 90960  | 20.632 | ng | # 95 |
| 40) Hexachlorocyclopentadiene  | 13.03 | 237 | 18726  | 17.498 | ng | 99   |

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 ALS Vial : 13 Sample Multiplier: 1

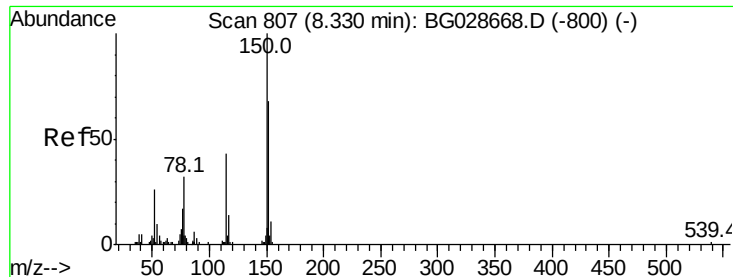
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT4-2017

Quant Time: Oct 05 01:41:07 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 16:57:11 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.31 | 196  | 51013    | 18.231 | nq    | 96       |
| 43) 2,4,5-Trichlorophenol      | 13.39 | 196  | 54008    | 19.209 | nq    | # 85     |
| 45) 1,1'-Biphenyl              | 13.69 | 154  | 181366   | 20.430 | nq    | 96       |
| 46) 2-Chloronaphthalene        | 13.75 | 162  | 128604   | 19.861 | nq    | 97       |
| 47) 2-Nitroaniline             | 13.95 | 65   | 46816    | 19.454 | nq    | 96       |
| 48) Acenaphthylene             | 14.59 | 152  | 208540   | 20.159 | nq    | 97       |
| 49) Dimethylphthalate          | 14.30 | 163  | 181793   | 20.219 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.44 | 165  | 39540    | 19.764 | nq    | # 84     |
| 51) Acenaphthene               | 14.93 | 154  | 127094   | 20.225 | nq    | 94       |
| 52) 3-Nitroaniline             | 14.77 | 138  | 34622    | 19.569 | nq    | 90       |
| 53) 2,4-Dinitrophenol          | 15.00 | 184  | 10024    | 16.559 | nq    | 92       |
| 54) Dibenzofuran               | 15.26 | 168  | 201879   | 20.145 | nq    | 95       |
| 55) 4-Nitrophenol              | 15.09 | 139  | 21410    | 16.518 | nq    | # 67     |
| 56) 2,4-Dinitrotoluene         | 15.23 | 165  | 55796    | 19.835 | nq    | # 89     |
| 57) Fluorene                   | 15.91 | 166  | 177008   | 19.785 | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.50 | 232  | 47128    | 19.019 | nq    | 92       |
| 59) Diethylphthalate           | 15.66 | 149  | 184097   | 19.925 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.89 | 204  | 100972   | 19.820 | nq    | 95       |
| 61) 4-Nitroaniline             | 15.93 | 138  | 37186    | 19.840 | nq    | # 77     |
| 62) Azobenzene                 | 16.18 | 77   | 160102   | 20.603 | nq    | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 16.00 | 198  | 32193    | 19.121 | nq    | 89       |
| 65) n-Nitrosodiphenylamine     | 16.11 | 169  | 152752   | 20.421 | nq    | 96       |
| 66) 4-Bromophenyl-phenylether  | 16.79 | 248  | 67357    | 20.062 | nq    | 96       |
| 67) Hexachlorobenzene          | 16.92 | 284  | 76355    | 19.982 | nq    | # 91     |
| 68) Atrazine                   | 17.05 | 200  | 61202    | 19.056 | nq    | 90       |
| 69) Pentachlorophenol          | 17.27 | 266  | 31326    | 18.144 | nq    | 96       |
| 70) Phenanthrene               | 17.66 | 178  | 273560   | 20.501 | nq    | # 94     |
| 71) Anthracene                 | 17.75 | 178  | 276586   | 20.520 | nq    | 96       |
| 72) Carbazole                  | 18.02 | 167  | 249798   | 20.577 | nq    | # 92     |
| 73) Di-n-butylphthalate        | 18.55 | 149  | 306799   | 20.611 | nq    | # 95     |
| 74) Fluoranthene               | 19.66 | 202  | 341156   | 20.939 | nq    | 92       |
| 76) Benzidine                  | 19.83 | 184  | 121982   | 16.512 | nq    | 97       |
| 77) Pyrene                     | 20.02 | 202  | 353486   | 21.512 | nq    | 95       |
| 79) Butylbenzylphthalate       | 20.88 | 149  | 132625   | 19.984 | nq    | 94       |
| 80) Benzo(a)anthracene         | 21.90 | 228  | 353263   | 20.601 | nq    | 93       |
| 81) 3,3'-Dichlorobenzidine     | 21.81 | 252  | 138587   | 19.933 | nq    | 97       |
| 82) Chrysene                   | 21.98 | 228  | 339315   | 20.855 | nq    | 92       |
| 83) Bis(2-ethylhexyl)phthalate | 21.77 | 149  | 180644   | 19.147 | nq    | # 99     |
| 84) Di-n-octyl phthalate       | 23.03 | 149  | 315369   | 19.132 | nq    | # 91     |
| 85) Indeno(1,2,3-cd)pyrene     | 29.26 | 276  | 394652   | 18.878 | nq    | # 55     |
| 87) Benzo(b)fluoranthene       | 24.25 | 252  | 344696   | 20.365 | nq    | 96       |
| 88) Benzo(k)fluoranthene       | 24.32 | 252  | 342996   | 20.288 | nq    | 94       |
| 89) Benzo(a)pyrene             | 25.18 | 252  | 325052   | 20.233 | nq    | 97       |
| 90) Dibenzo(a,h)anthracene     | 29.32 | 278  | 330662   | 19.742 | nq    | 95       |
| 91) Benzo(g,h,i)perylene       | 30.49 | 276  | 323328   | 19.784 | nq    | 98       |

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



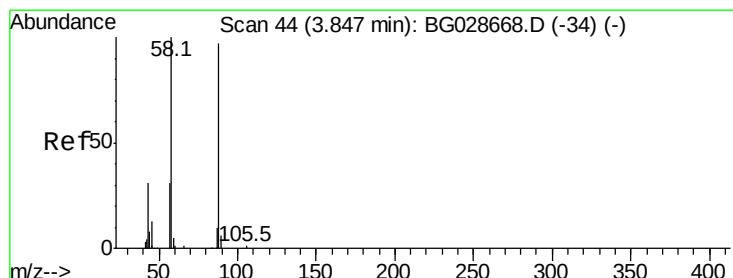
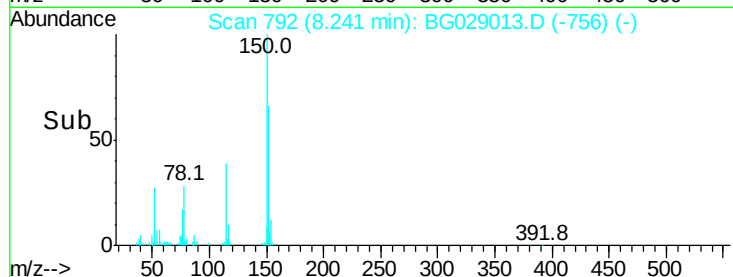
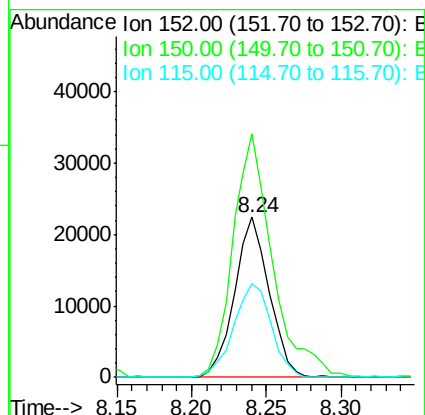
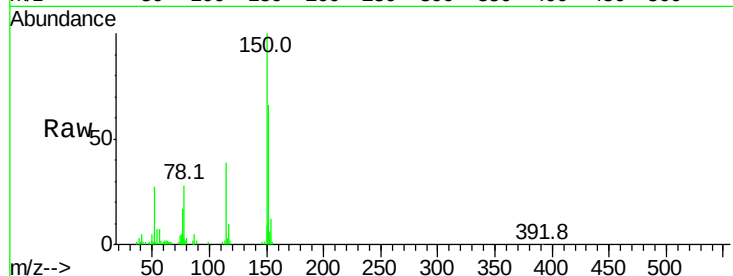


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.24 min Scan# 792  
Delta R.T. -0.09 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

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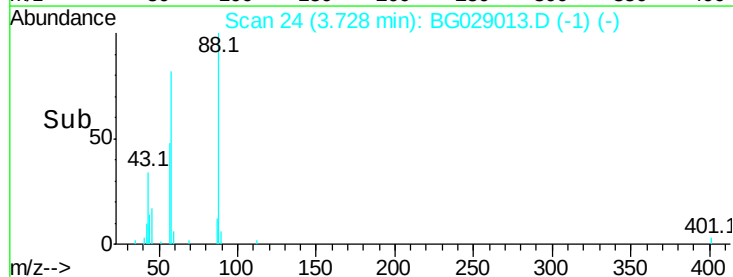
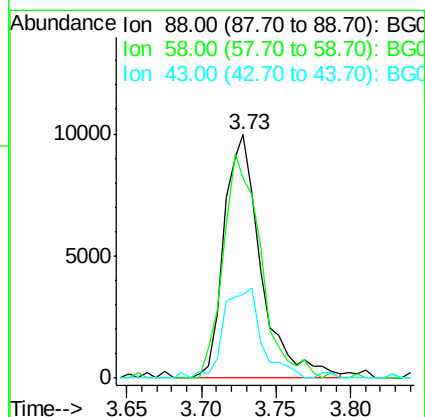
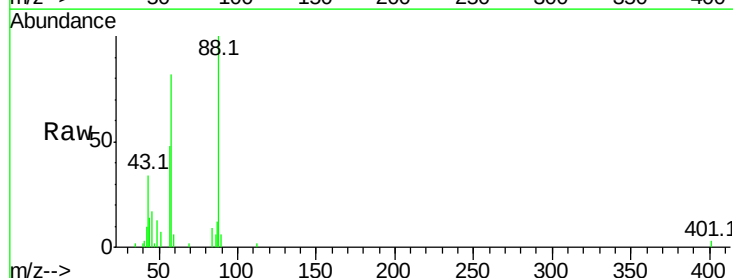
Tot Ion:152 Resp: 36043  
Ion Ratio Lower Upper  
152 100  
150 152.4 114.0 171.0  
115 59.0 48.1 72.1

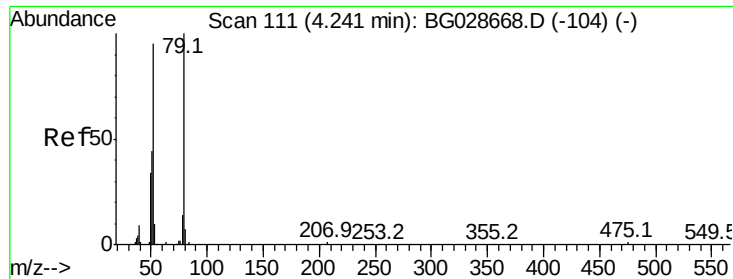


#2

1,4-Dioxane  
Concen: 19.557 ng  
RT: 3.73 min Scan# 24  
Delta R.T. -0.12 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

Tgt Ion: 88 Resp: 17300  
Ion Ratio Lower Upper  
88 100  
58 94.2 79.4 119.2  
43 37.8 33.8 50.6





#3

Pvridine

Concen: 21.160 ng

RT: 4.13 min Scan# 92

Delta R.T. -0.11 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Instrument :

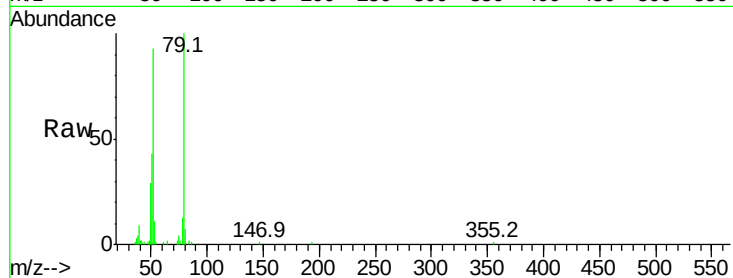
BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT4-2017

Tot Ion: 79 Resp: 53393

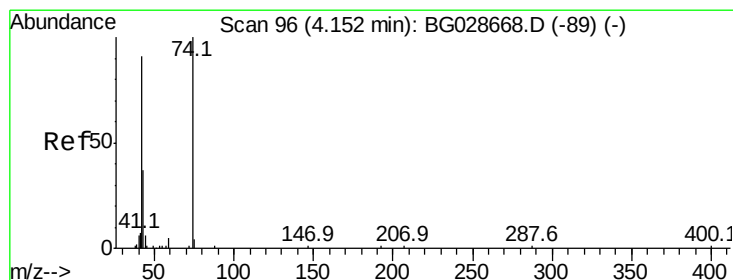
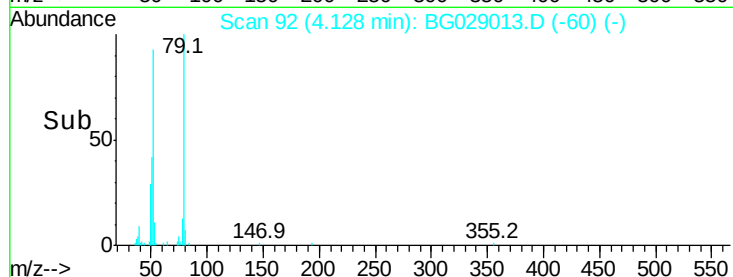
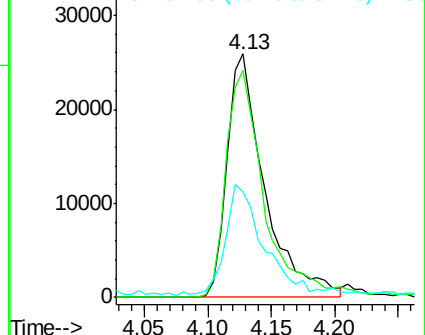
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 52  | 93.1  | 77.8  | 116.6 |
| 51  | 43.1  | 43.2  | 64.8# |



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 21.670 ng

RT: 4.04 min Scan# 77

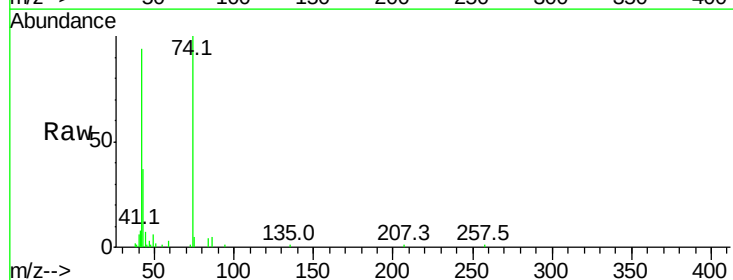
Delta R.T. -0.11 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Tgt Ion: 42 Resp: 24874

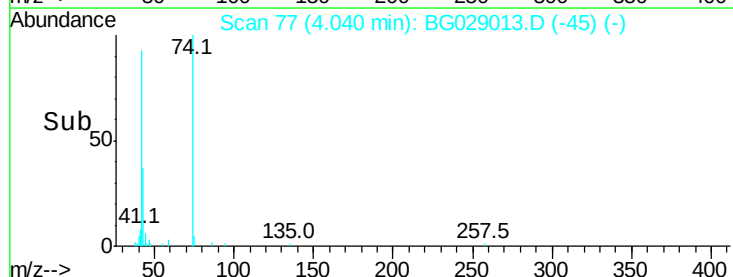
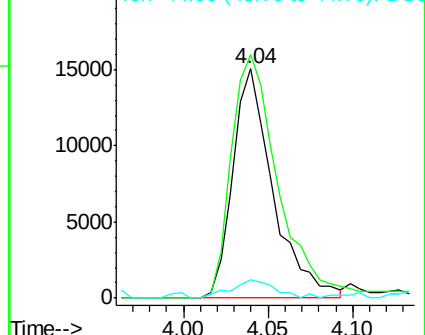
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 74  | 106.3 | 76.7  | 115.1 |
| 44  | 7.9   | 6.1   | 9.1   |

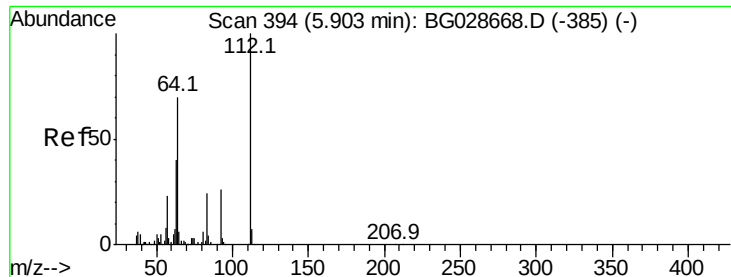


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 169.639 ng

RT: 5.81 min Scan# 378

Delta R.T. -0.09 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT4-2017

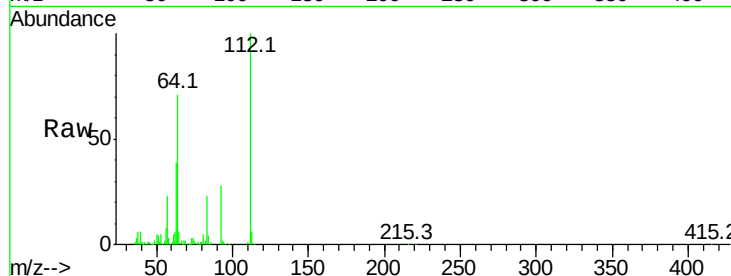
Tot Ion:112 Resp: 370553

Ion Ratio Lower Upper

112 100

64 70.5 61.8 92.6

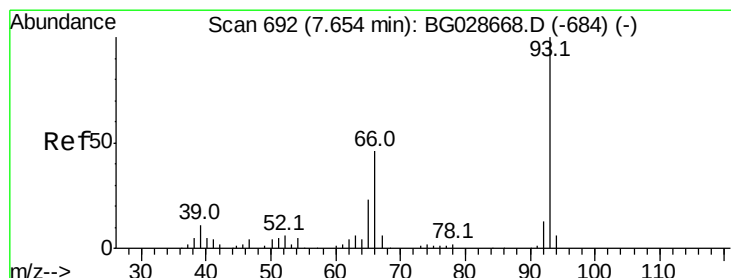
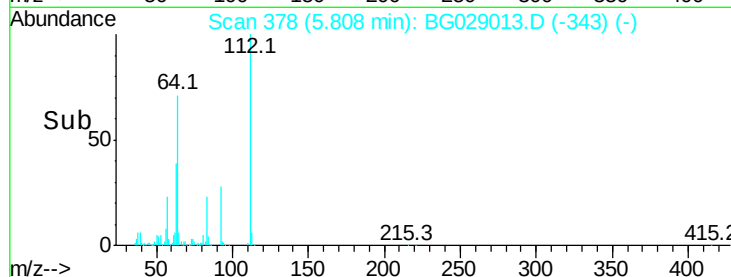
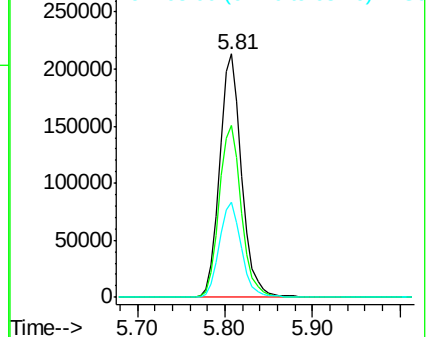
63 39.1 37.2 55.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 20.681 ng

RT: 7.56 min Scan# 677

Delta R.T. -0.09 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

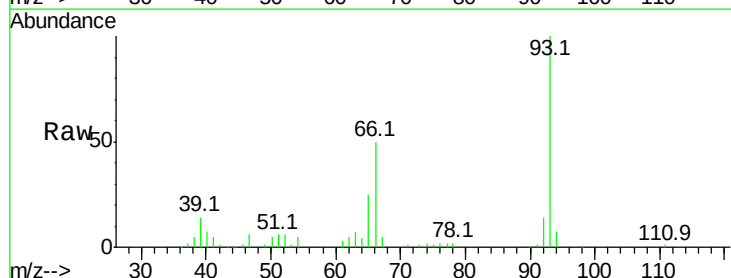
Tgt Ion: 93 Resp: 79159

Ion Ratio Lower Upper

93 100

66 50.1 35.4 53.2

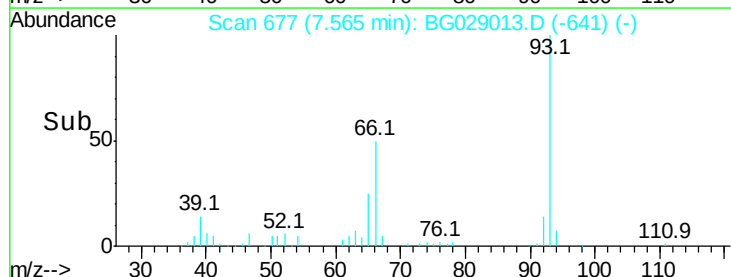
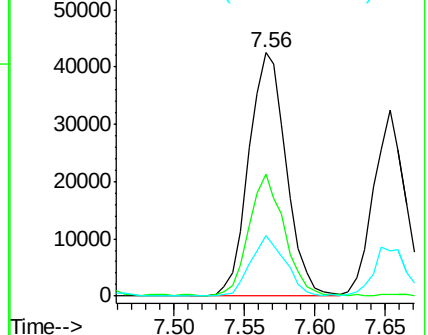
65 24.9 21.2 31.8

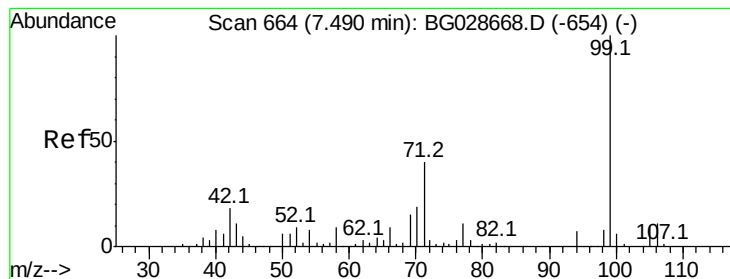


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 154.653 ng

RT: 7.40 min Scan# 649

Delta R.T. -0.09 min

Lab File: BG029013.D

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Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT4-2017

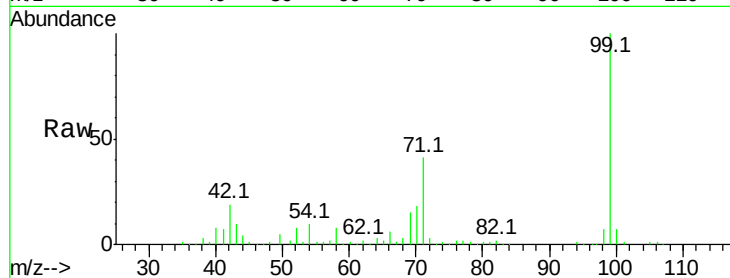
Tot Ion: 99 Resp: 508624

Ion Ratio Lower Upper

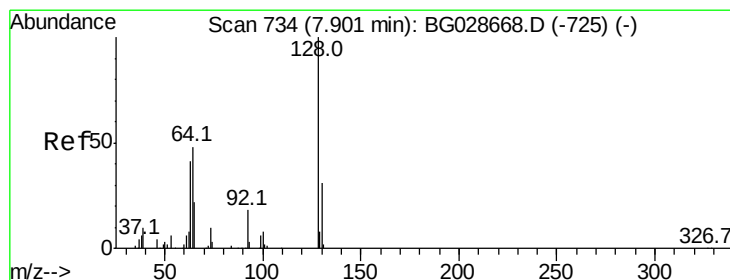
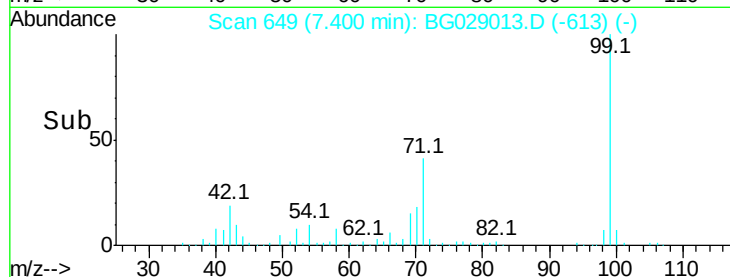
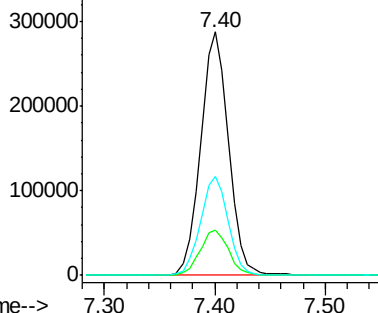
99 100

42 18.8 20.5 30.7#

71 40.6 37.6 56.4



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 20.999 ng

RT: 7.81 min Scan# 718

Delta R.T. -0.10 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

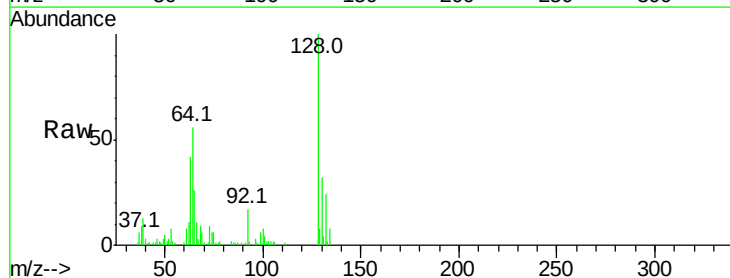
Tgt Ion:128 Resp: 51133

Ion Ratio Lower Upper

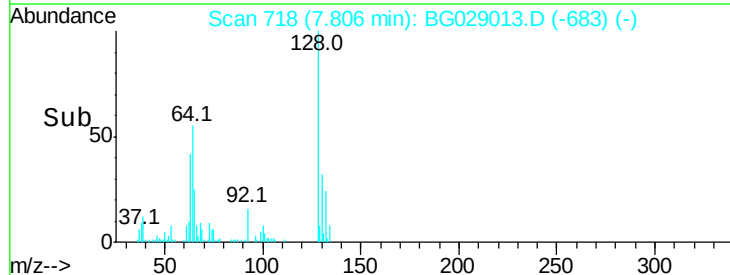
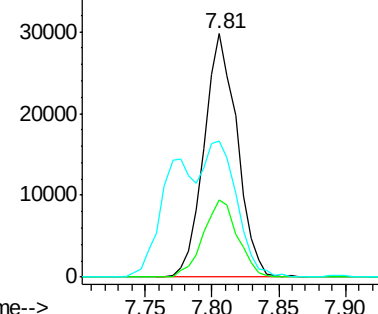
128 100

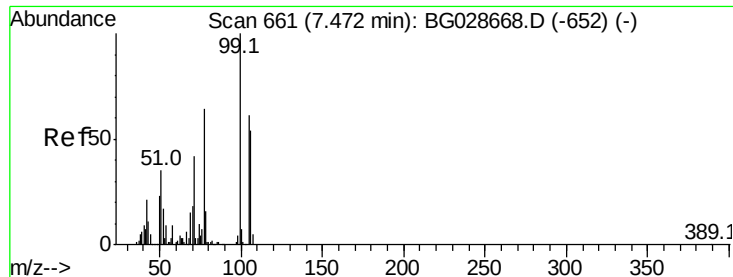
130 31.6 11.4 51.4

64 56.0 46.6 86.6



Abundance Ion 128.00 (127.70 to 128.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC  
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 14.136 ng

RT: 7.38 min Scan# 646

Delta R.T. -0.09 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT4-2017

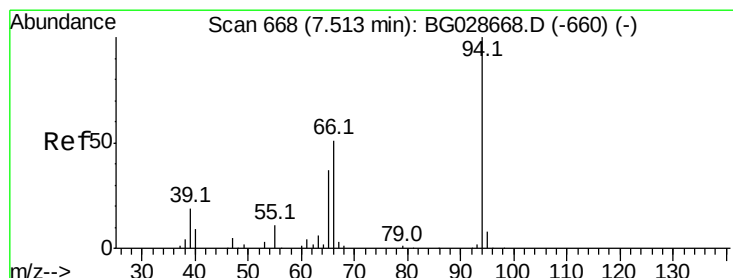
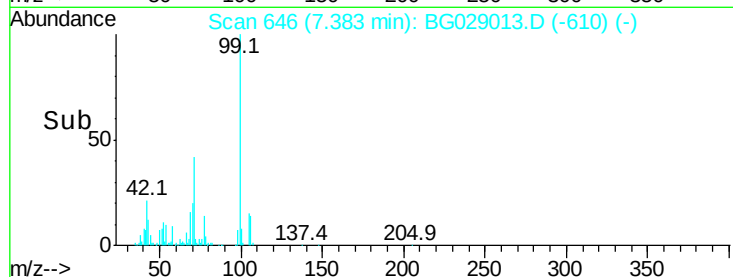
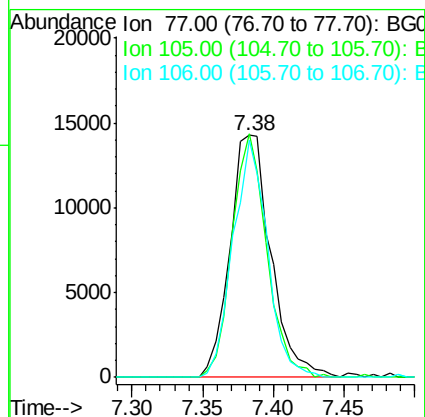
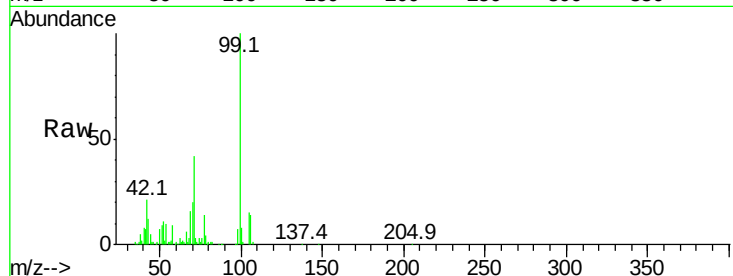
Tot Ion: 77 Resp: 28843

Ion Ratio Lower Upper

77 100

105 100.6 60.9 100.9

106 97.8 55.1 95.1#



#10

Phenol

Concen: 20.734 ng

RT: 7.42 min Scan# 653

Delta R.T. -0.09 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

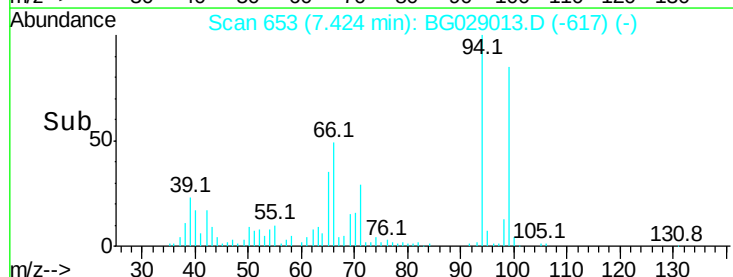
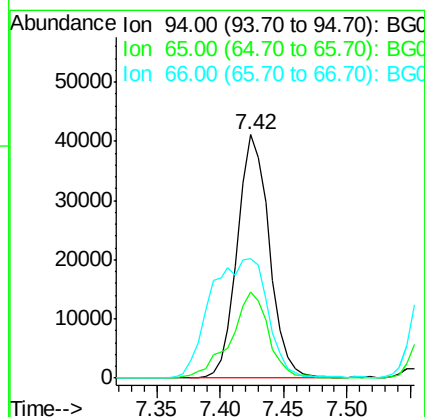
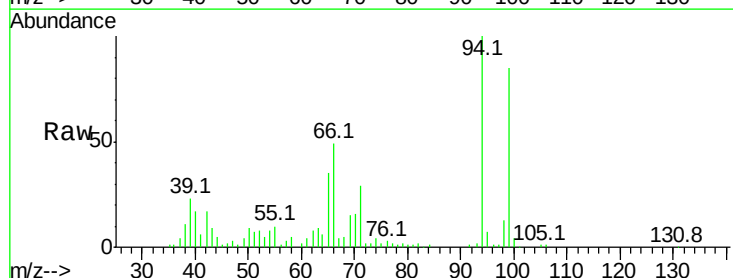
Tgt Ion: 94 Resp: 71964

Ion Ratio Lower Upper

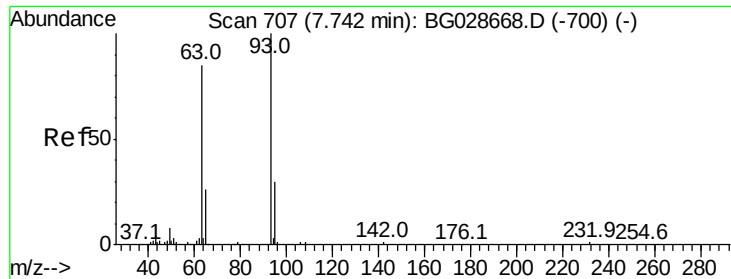
94 100

65 35.4 20.6 60.6

66 48.9 35.5 75.5



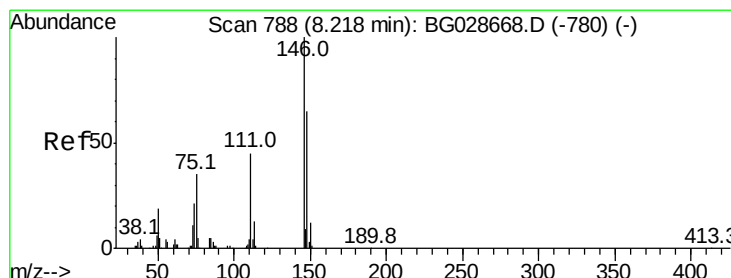
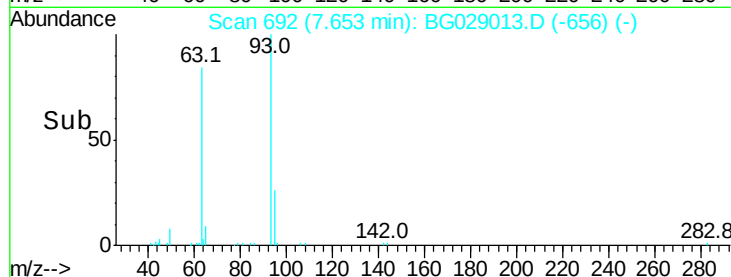
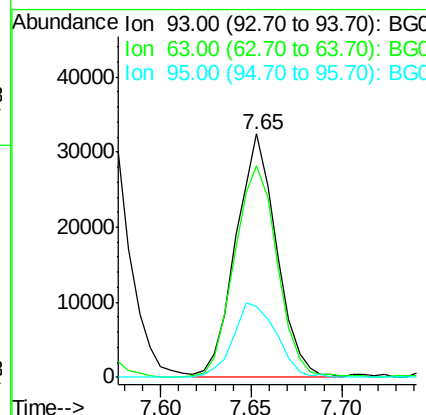
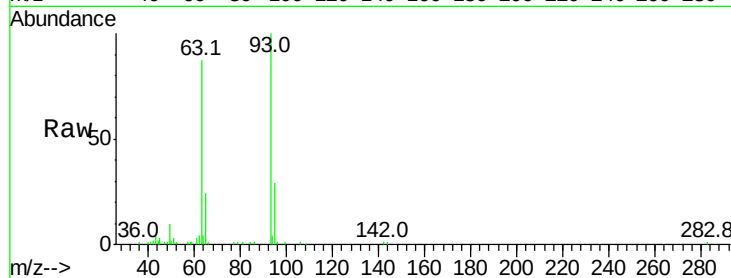




#11  
bis(2-Chloroethyl)ether  
Concen: 20.333 ng  
RT: 7.65 min Scan# 692  
Delta R.T. -0.09 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

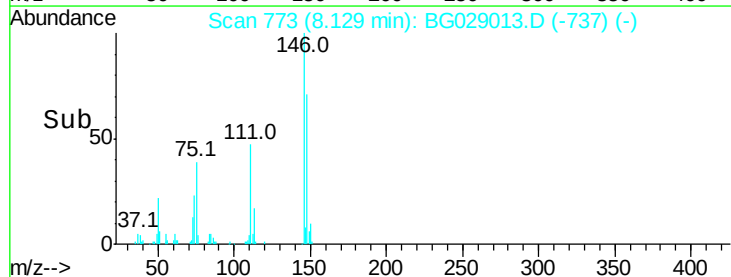
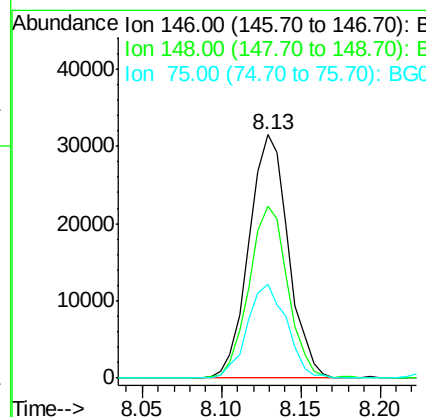
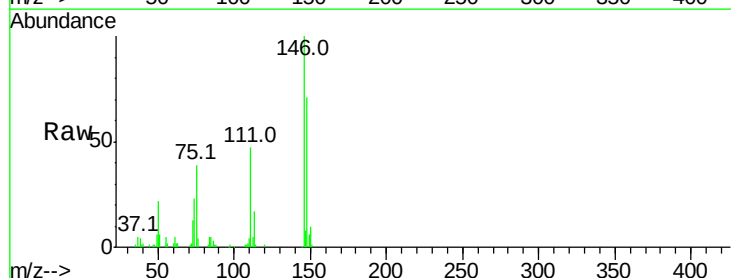
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT4-2017

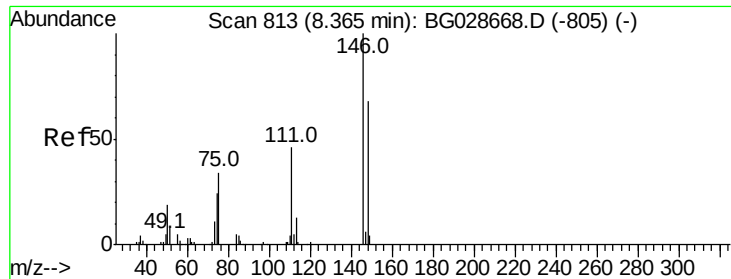
Tot Ion: 93 Resp: 50667  
Ion Ratio Lower Upper  
93 100  
63 86.7 78.5 118.5  
95 29.1 9.8 49.8



#12  
1,3-Dichlorobenzene  
Concen: 20.780 ng  
RT: 8.13 min Scan# 773  
Delta R.T. -0.09 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

Tgt Ion: 146 Resp: 54486  
Ion Ratio Lower Upper  
146 100  
148 70.5 49.2 73.8  
75 38.7 33.4 50.2

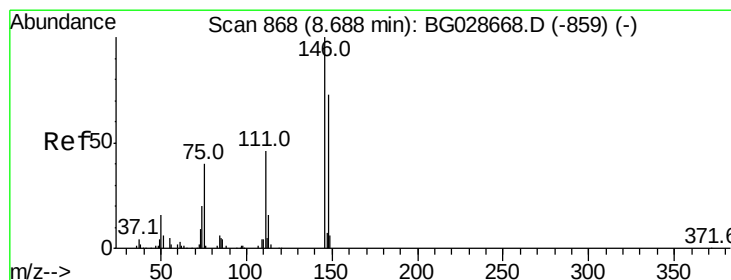
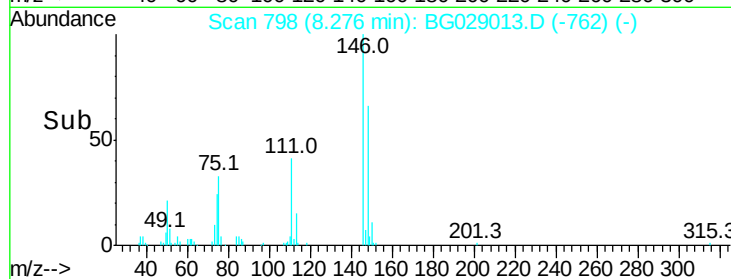
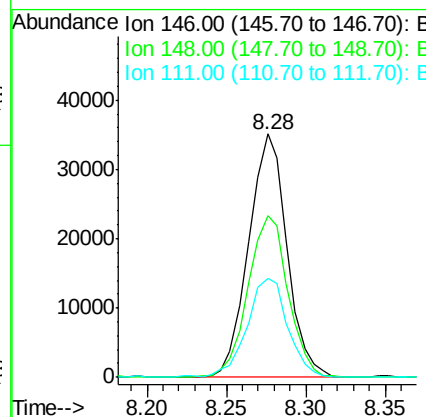
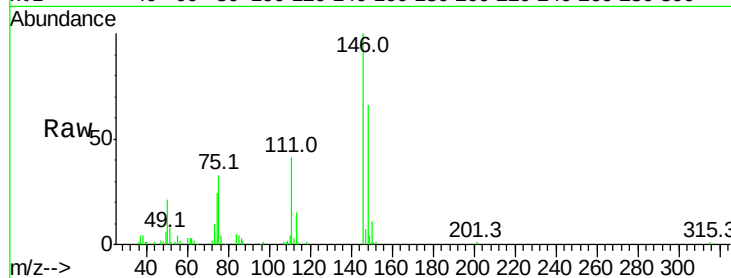




#13  
 1,4-Dichlorobenzene  
 Concen: 21.855 ng  
 RT: 8.28 min Scan# 798  
 Delta R.T. -0.09 min  
 Lab File: BG029013.D  
 Acq: 3 Oct 2017 20:01

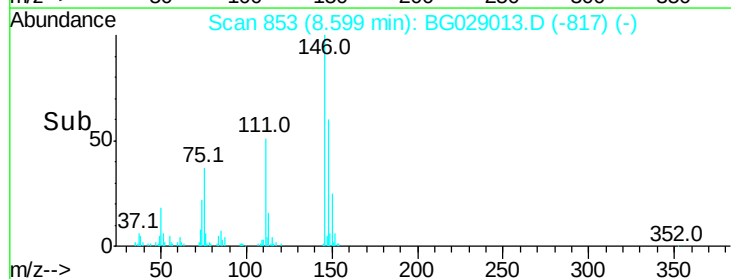
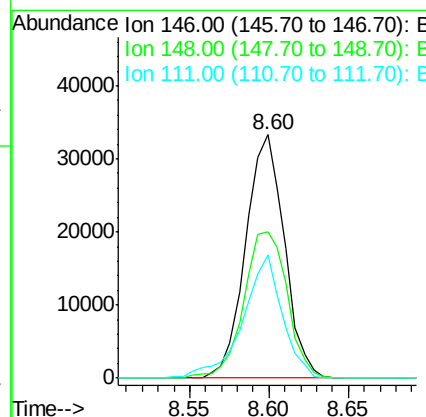
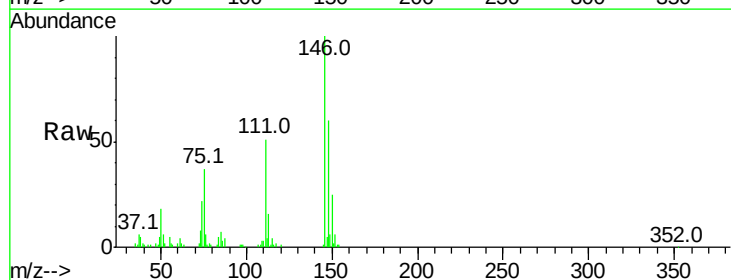
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT4-2017

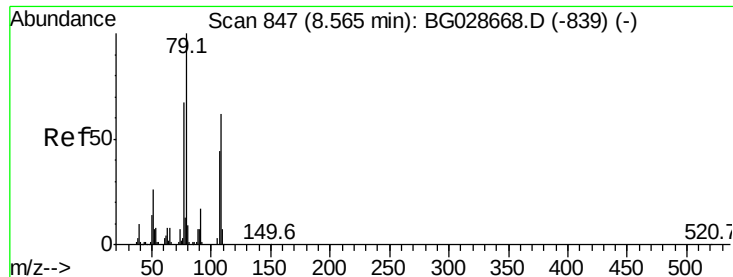
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 66.5  | 52.2  | 78.2  |
| 111     | 40.9  | 37.0  | 55.6  |



#14  
 1,2-Dichlorobenzene  
 Concen: 21.218 ng  
 RT: 8.60 min Scan# 853  
 Delta R.T. -0.09 min  
 Lab File: BG029013.D  
 Acq: 3 Oct 2017 20:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 60.2  | 54.6  | 81.8  |
| 111     | 50.6  | 39.7  | 59.5  |





#15

Benzyl Alcohol

Concen: 18.569 ng

RT: 8.48 min Scan# 833

Delta R.T. -0.08 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT4-2017

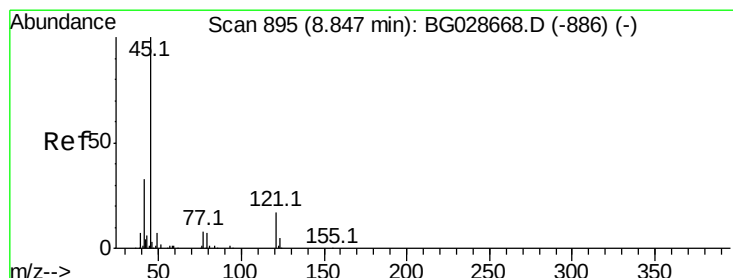
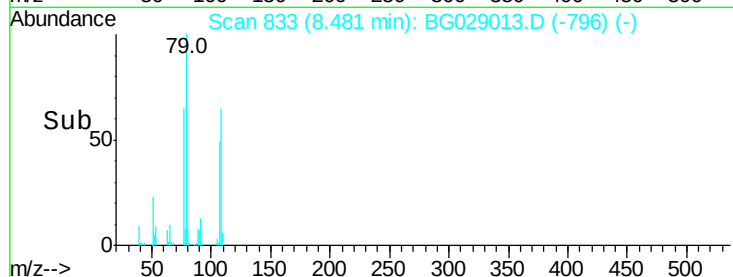
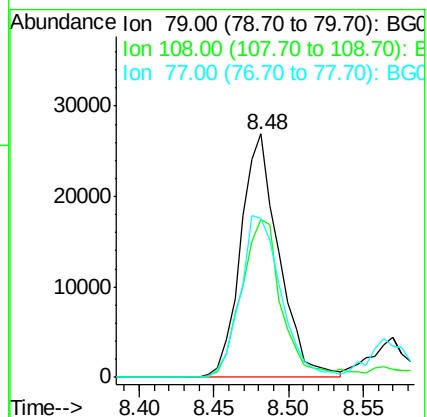
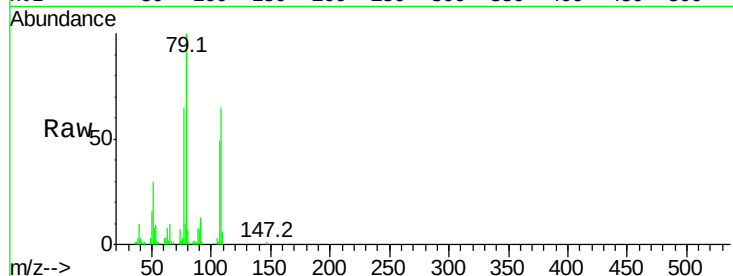
Tot Ion: 79 Resp: 47673

Ion Ratio Lower Upper

79 100

108 64.7 45.5 68.3

77 65.3 54.3 81.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 21.275 ng

RT: 8.75 min Scan# 879

Delta R.T. -0.10 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

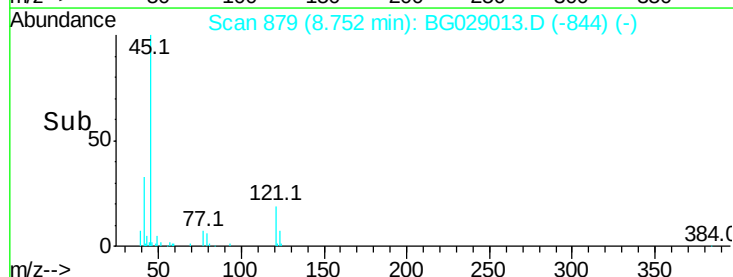
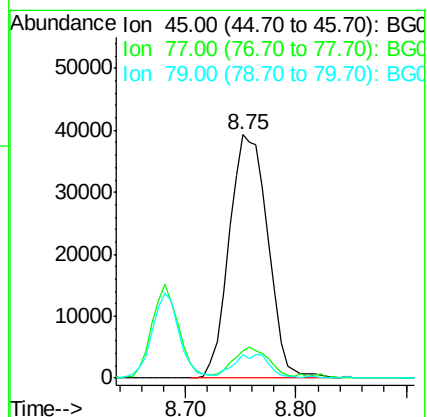
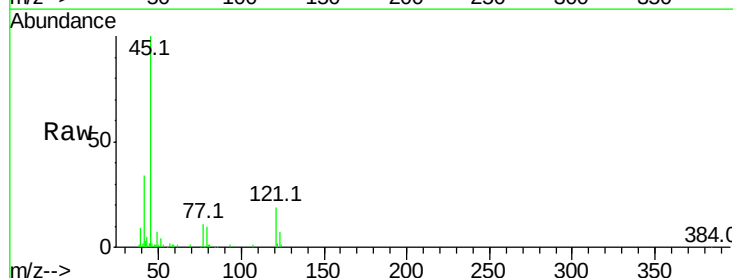
Tgt Ion: 45 Resp: 96353

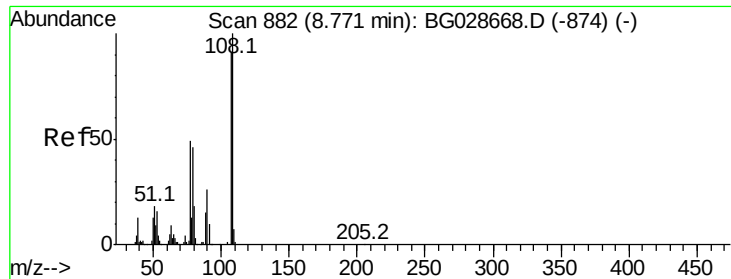
Ion Ratio Lower Upper

45 100

77 11.1 0.0 30.6

79 9.9 0.0 28.5





#17

2-Methylphenol

Concen: 20.039 ng

RT: 8.68 min Scan# 867

Delta R.T. -0.09 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT4-2017

Tot Ion:107 Resp: 45450

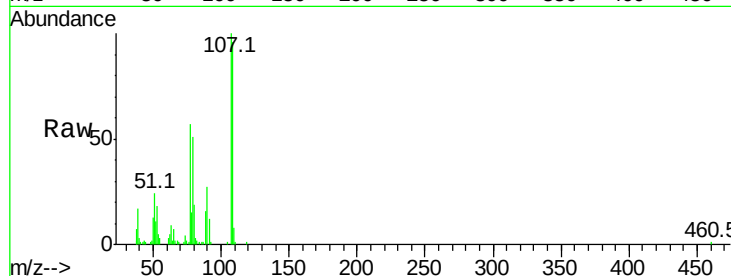
Ion Ratio Lower Upper

107 100

108 96.1 85.6 128.4

77 57.0 51.4 77.2

79 51.5 49.2 73.8

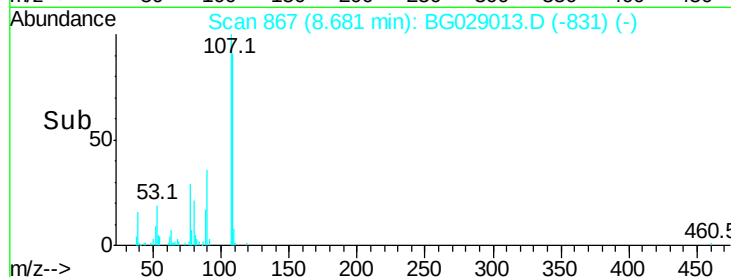


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

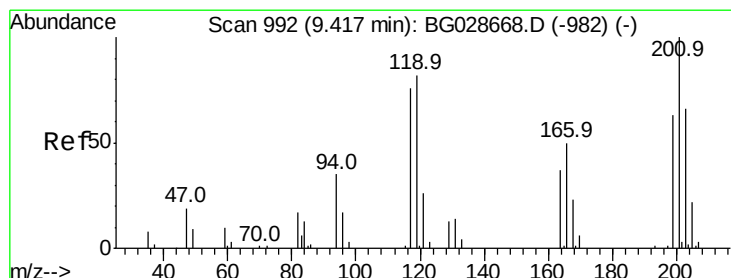
Ion 79.00 (78.70 to 79.70): BG



Abundance

Time-->

8.60 8.65 8.70 8.75



#18

Hexachloroethane

Concen: 21.473 ng

RT: 9.33 min Scan# 977

Delta R.T. -0.09 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

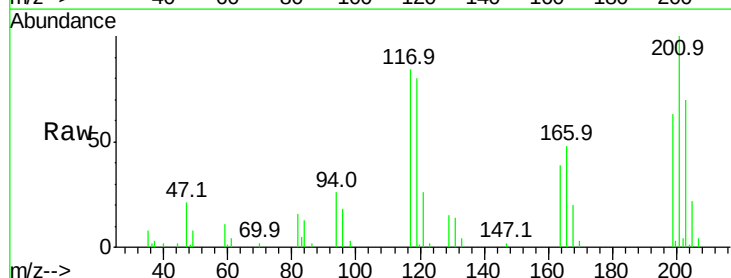
Tgt Ion:117 Resp: 21220

Ion Ratio Lower Upper

117 100

119 95.0 69.8 104.6

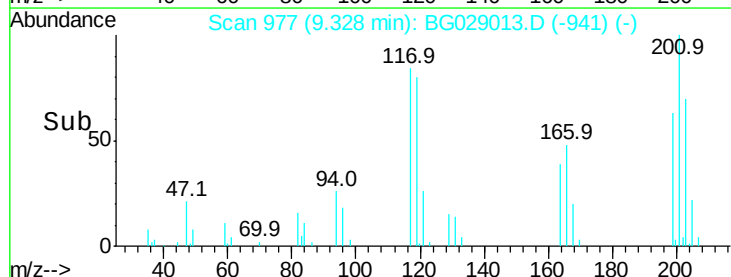
201 118.9 95.4 143.0



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

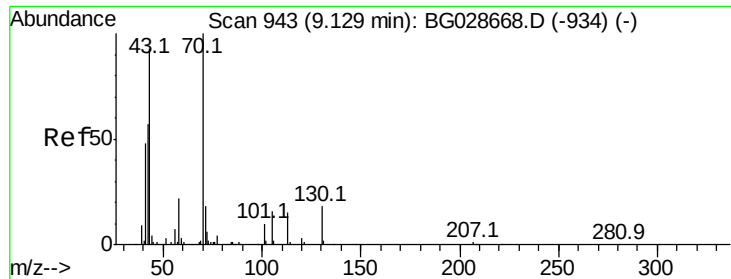
Ion 201.00 (200.70 to 201.70): E



Abundance

Time-->

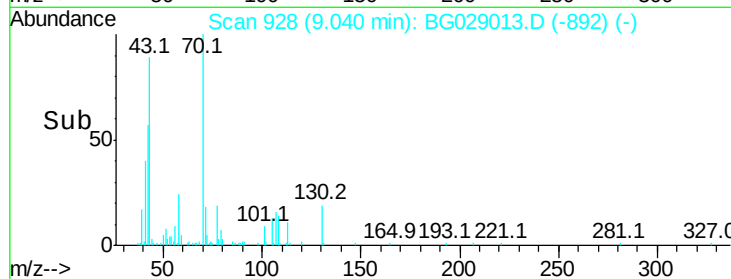
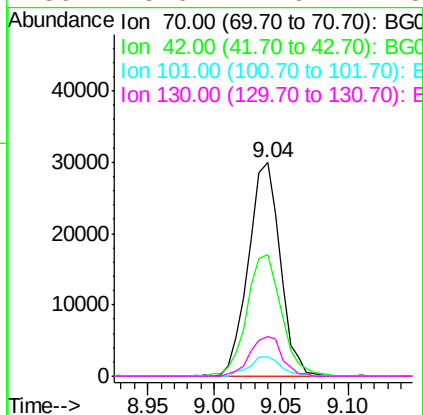
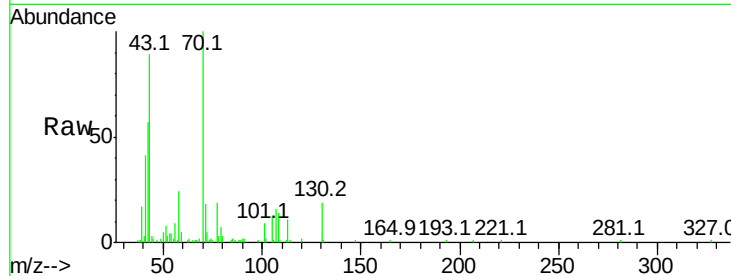
9.25 9.30 9.35 9.40



#19  
n-Nitroso-di-n-propylamine  
Concen: 21.120 ng  
RT: 9.04 min Scan# 928  
Delta R.T. -0.09 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

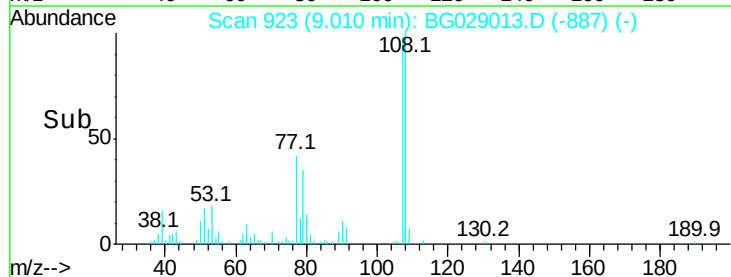
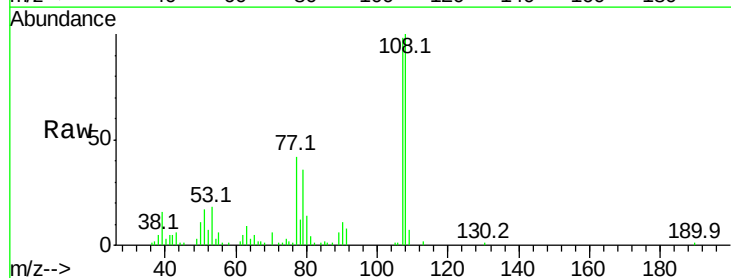
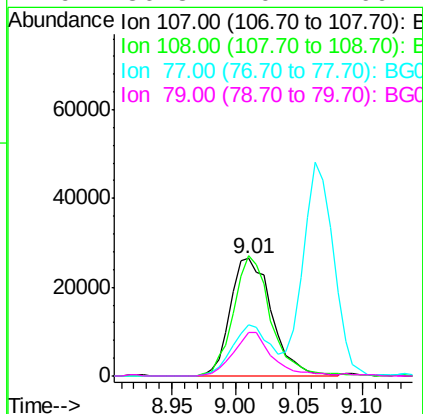
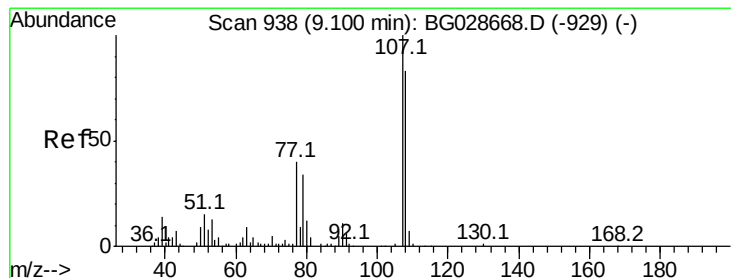
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT4-2017

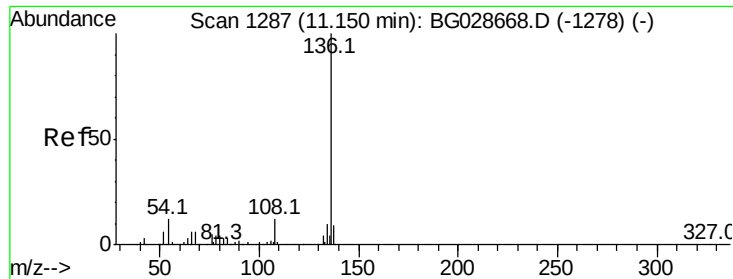
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 70    | Resp: | 49239 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 57.0  | 56.1  | 84.1  |
| 101      | 9.1   | 7.5   | 11.3  |
| 130      | 18.6  | 14.6  | 21.8  |



#20  
3+4-Methylphenols  
Concen: 18.939 ng  
RT: 9.01 min Scan# 923  
Delta R.T. -0.09 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 60083 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 102.4 | 70.8  | 110.8 |
| 77       | 43.3  | 25.8  | 65.8  |
| 79       | 36.8  | 20.1  | 60.1  |

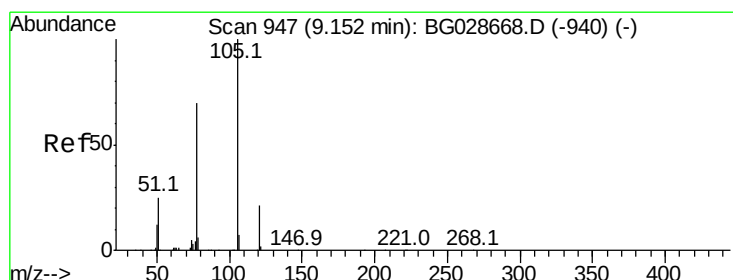
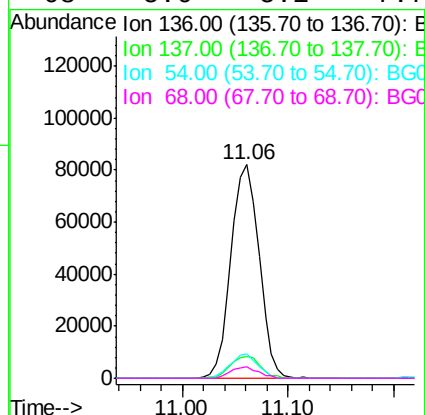
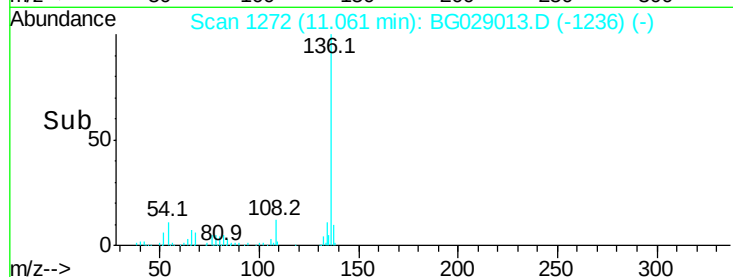
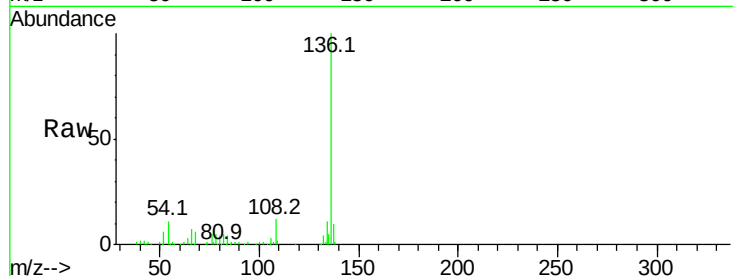




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.06 min Scan# 1272  
Delta R.T. -0.09 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

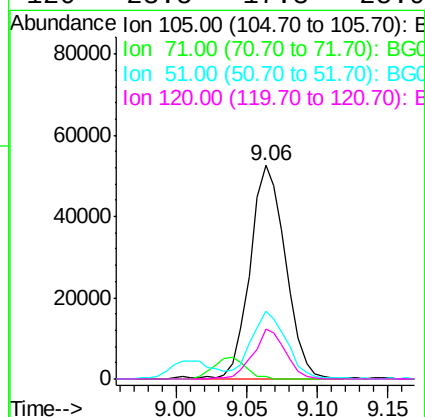
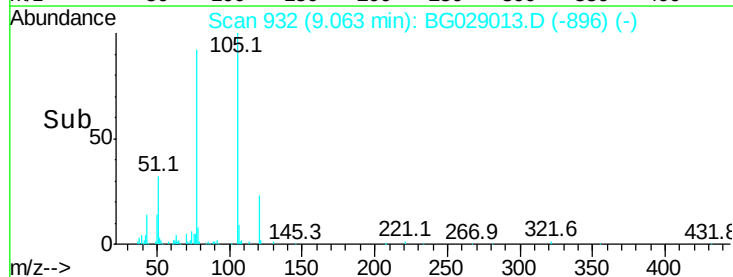
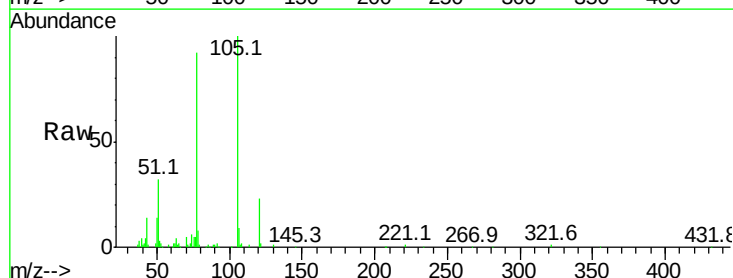
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT4-2017

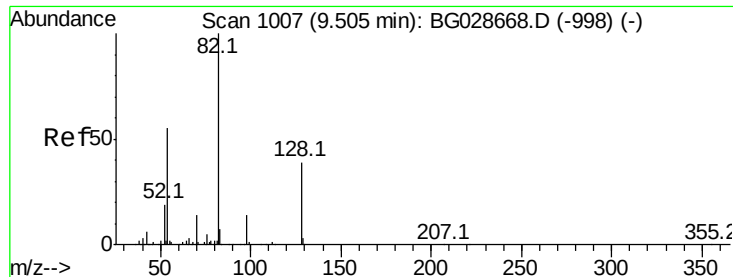
|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 151488 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 10.2    | 8.9   | 13.3   |
| 54 11.5     | 9.3   | 13.9   |
| 68 5.6      | 5.1   | 7.7    |



#22  
Acetophenone  
Concen: 20.887 ng  
RT: 9.06 min Scan# 932  
Delta R.T. -0.09 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:105 | Resp: | 92518 |
| Ion | Ratio   | Lower | Upper |
| 105 | 100     |       |       |
| 71  | 0.9     | 0.9   | 1.3   |
| 51  | 31.7    | 34.0  | 51.0# |
| 120 | 23.5    | 17.3  | 25.9  |

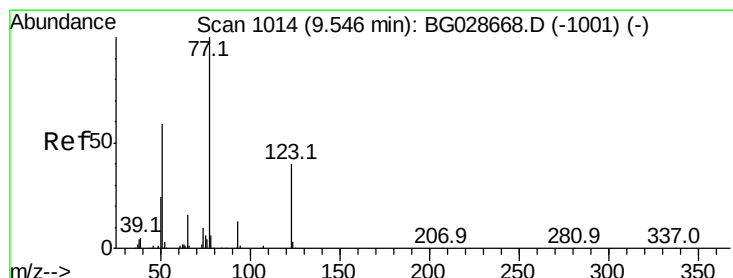
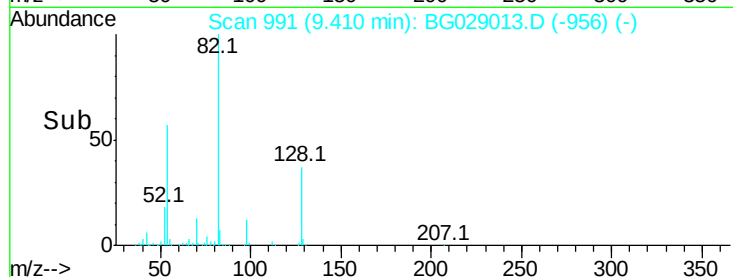
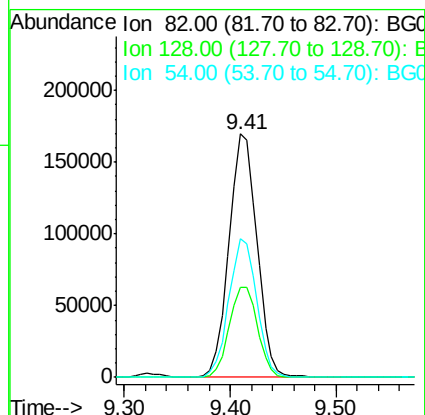
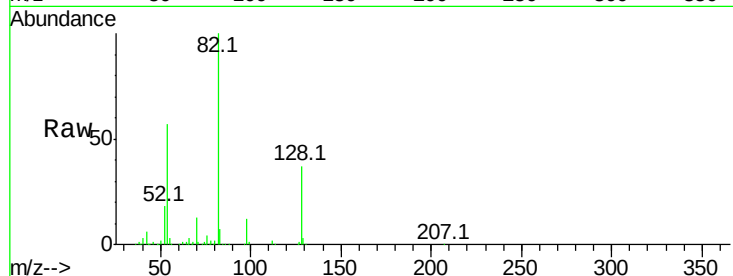




#23  
Nitrobenzene-d5  
Concen: 97.826 ng  
RT: 9.41 min Scan# 991  
Delta R.T. -0.10 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

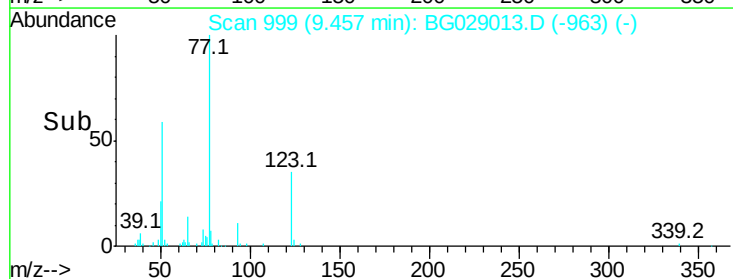
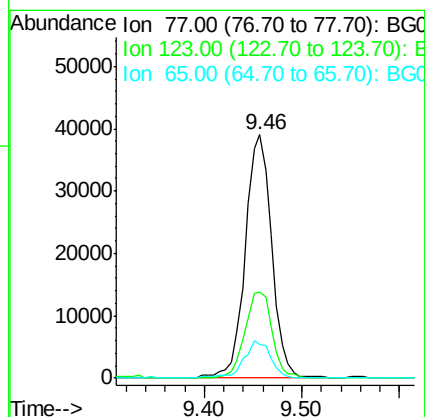
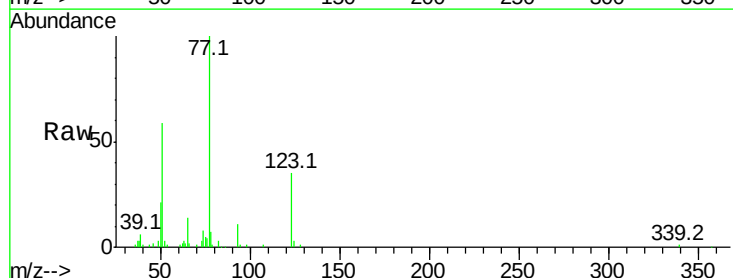
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT4-2017

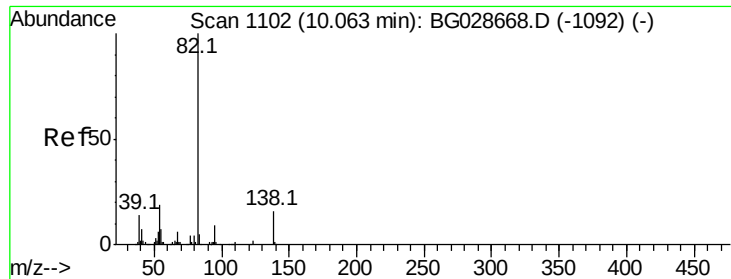
Tot Ion: 82 Resp: 309789  
Ion Ratio Lower Upper  
82 100  
128 37.2 26.4 39.6  
54 57.2 49.4 74.2



#24  
Nitrobenzene  
Concen: 21.080 ng  
RT: 9.46 min Scan# 999  
Delta R.T. -0.09 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

Tgt Ion: 77 Resp: 73919  
Ion Ratio Lower Upper  
77 100  
123 35.3 26.1 39.1  
65 13.9 12.4 18.6

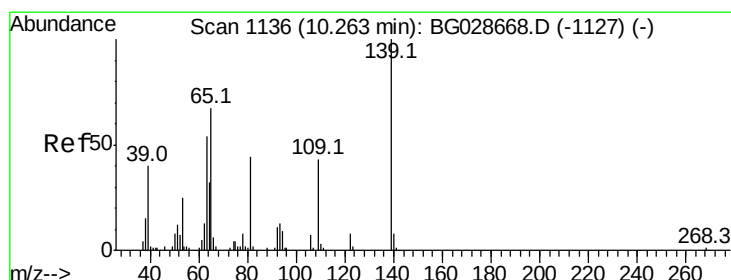
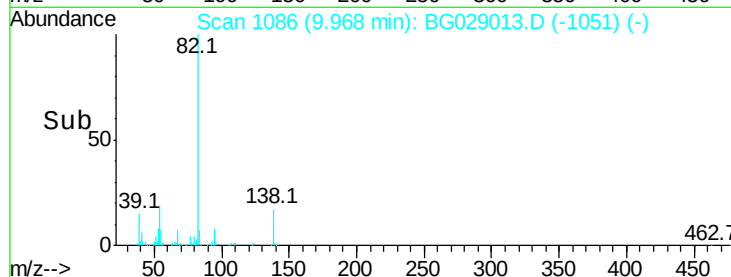
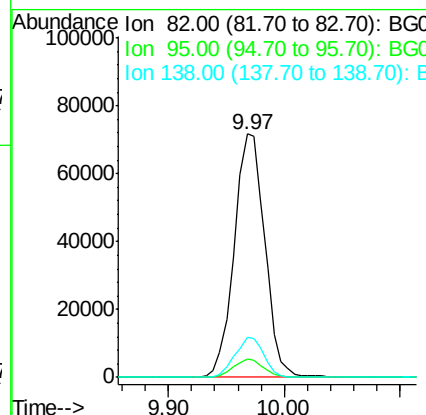
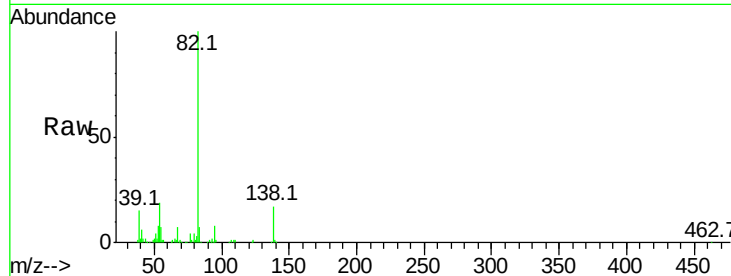




#25  
Isophorone  
Concen: 20.513 ng  
RT: 9.97 min Scan# 1086  
Delta R.T. -0.10 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

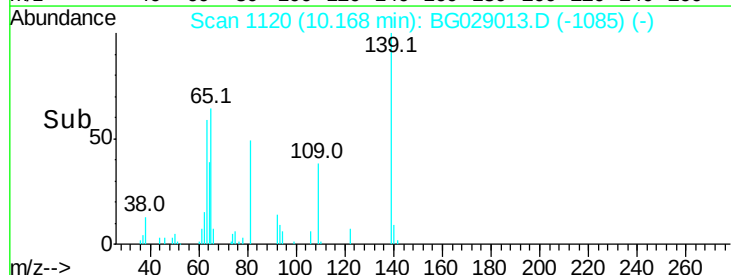
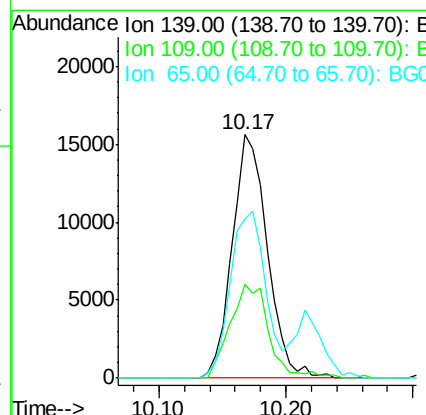
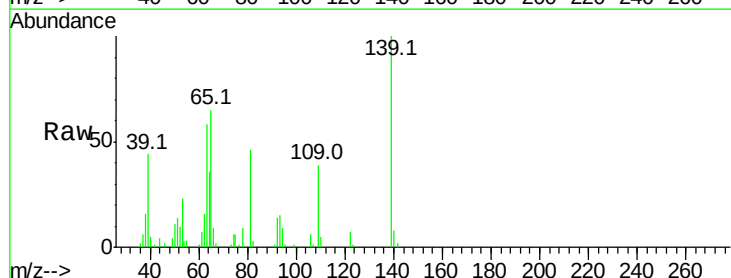
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT4-2017

Tot Ion: 82 Resp: 131441  
Ion Ratio Lower Upper  
82 100  
95 7.8 7.5 11.3  
138 16.6 12.3 18.5

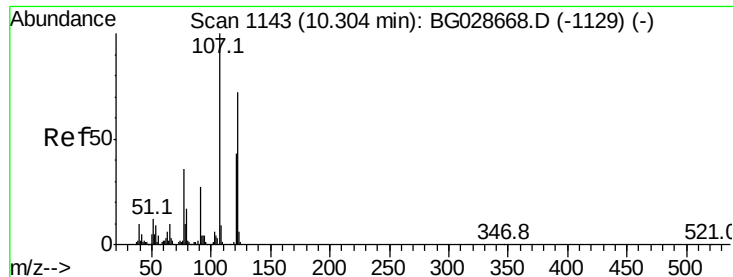


#26  
2-Nitrophenol  
Concen: 20.036 ng  
RT: 10.17 min Scan# 1120  
Delta R.T. -0.10 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

Tgt Ion: 139 Resp: 29902  
Ion Ratio Lower Upper  
139 100  
109 38.6 38.6 58.0#  
65 65.3 57.1 85.7



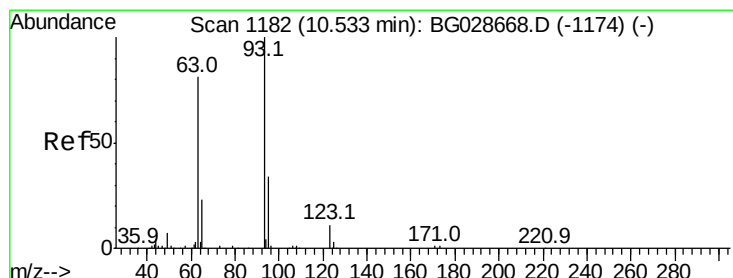
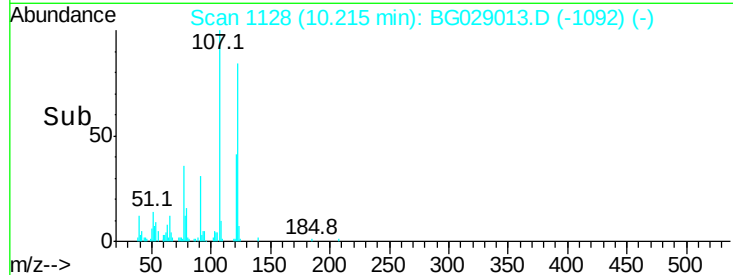
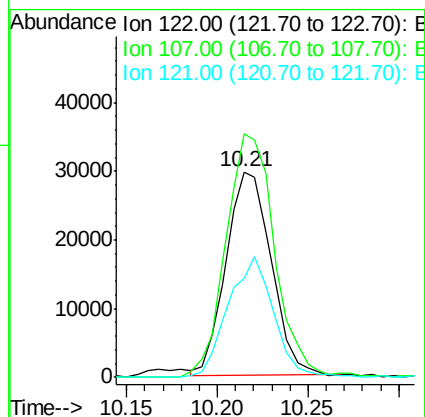
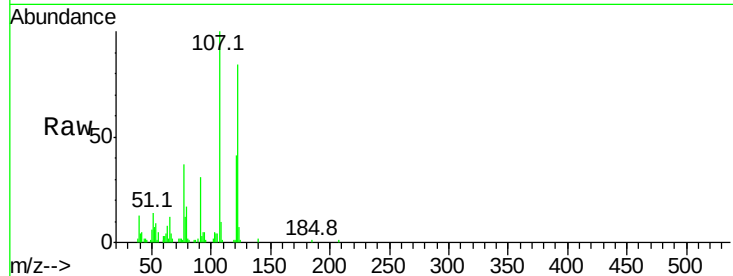




#27  
2,4-Dimethylphenol  
Concen: 18.898 ng  
RT: 10.21 min Scan# 1128  
Delta R.T. -0.09 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

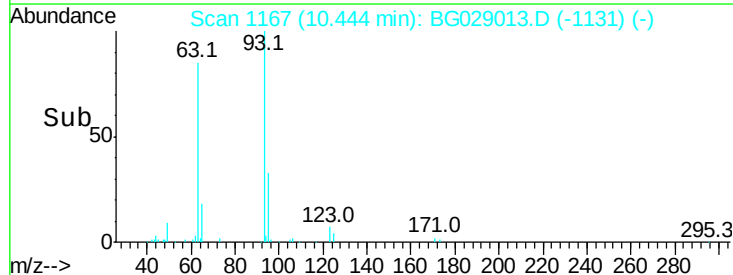
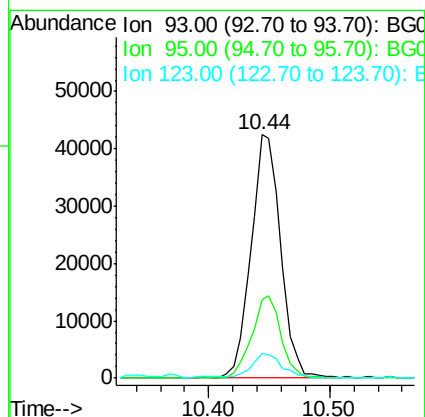
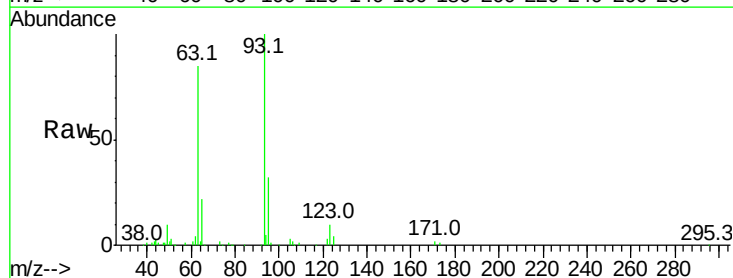
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT4-2017

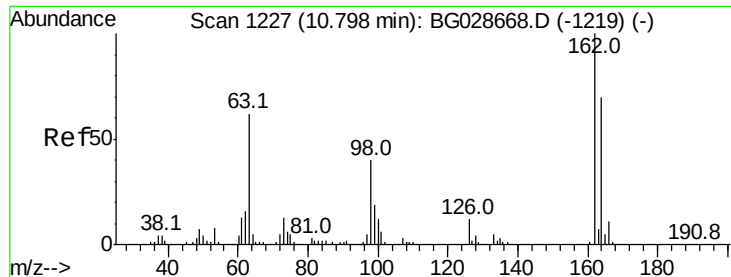
Tot Ion:122 Resp: 51553  
Ion Ratio Lower Upper  
122 100  
107 118.4 104.2 156.4  
121 48.3 46.0 69.0



#28  
bis(2-Chloroethoxy)methane  
Concen: 20.753 ng  
RT: 10.44 min Scan# 1167  
Delta R.T. -0.09 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

Tgt Ion: 93 Resp: 72213  
Ion Ratio Lower Upper  
93 100  
95 32.0 25.7 38.5  
123 10.0 8.3 12.5





#29

2,4-Dichlorophenol

Concen: 19.287 ng

RT: 10.71 min Scan# 1213

Delta R.T. -0.08 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT4-2017

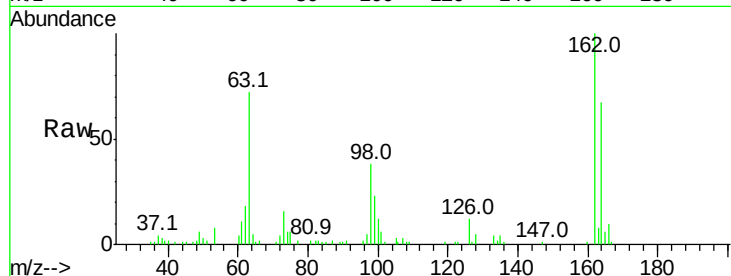
Tot Ion:162 Resp: 52350

Ion Ratio Lower Upper

162 100

164 66.8 42.4 82.4

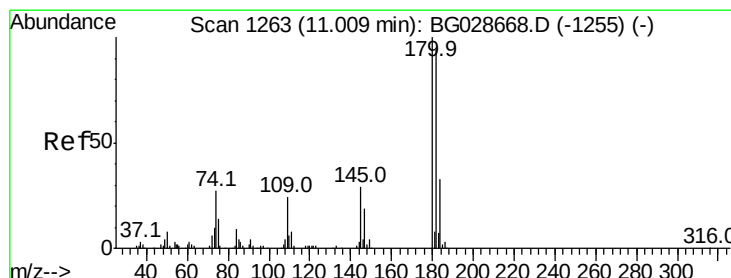
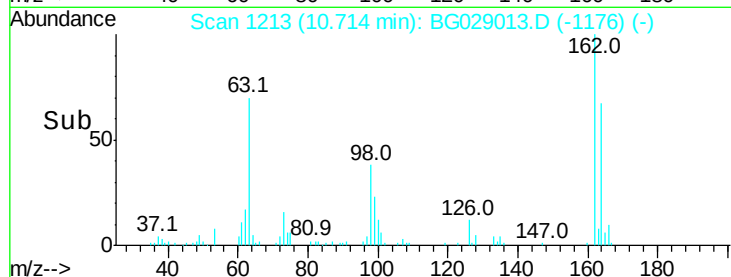
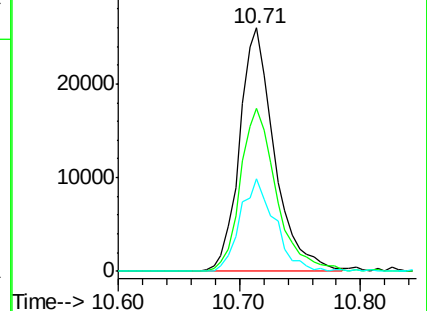
98 37.8 20.3 60.3



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



#30

1,2,4-Trichlorobenzene

Concen: 20.639 ng

RT: 10.92 min Scan# 1248

Delta R.T. -0.09 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

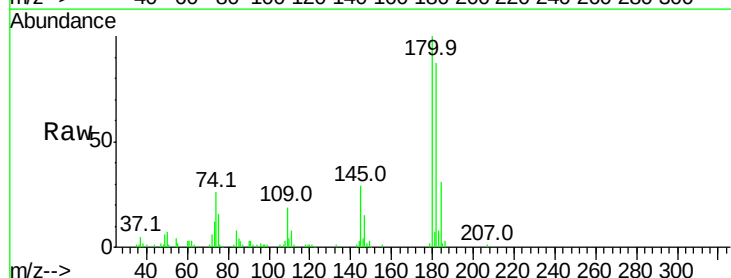
Tgt Ion:180 Resp: 63907

Ion Ratio Lower Upper

180 100

182 87.3 77.0 115.4

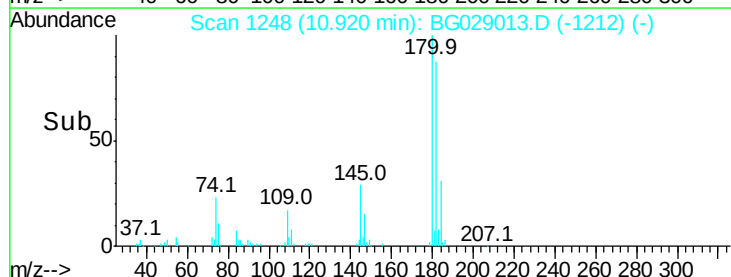
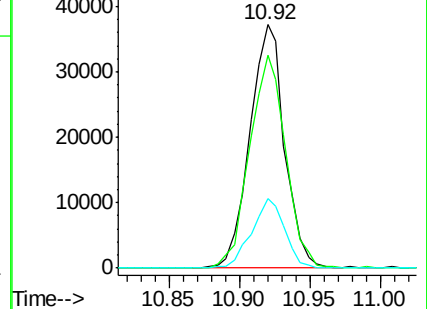
145 28.8 23.4 35.0

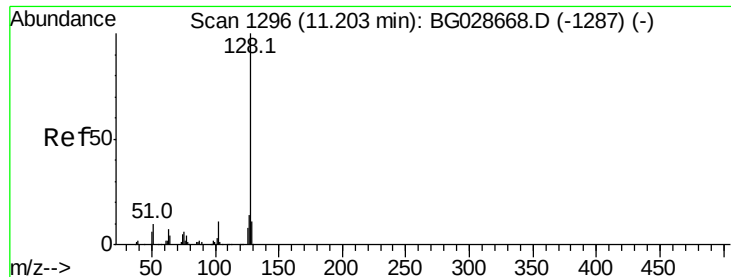


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

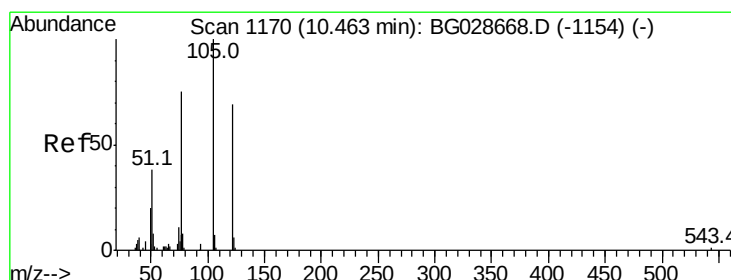
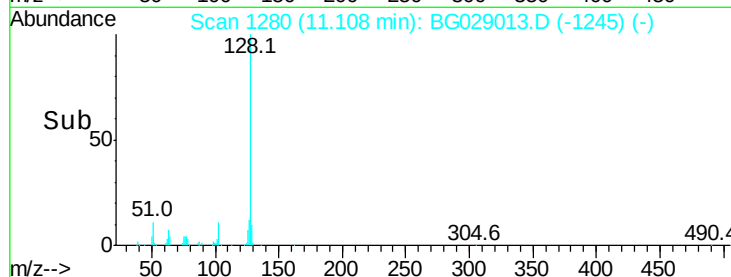
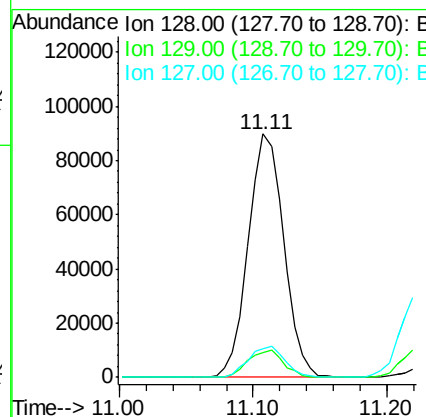
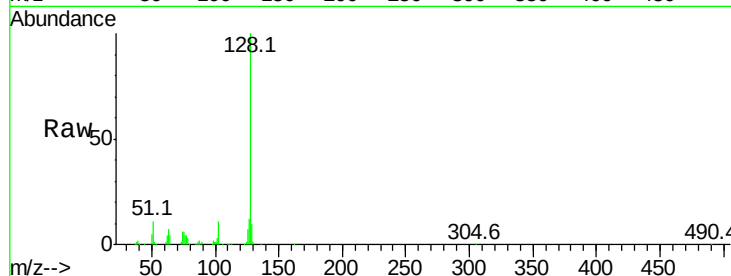




#31  
Naphthalene  
Concen: 20.776 ng  
RT: 11.11 min Scan# 1280  
Delta R.T. -0.10 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

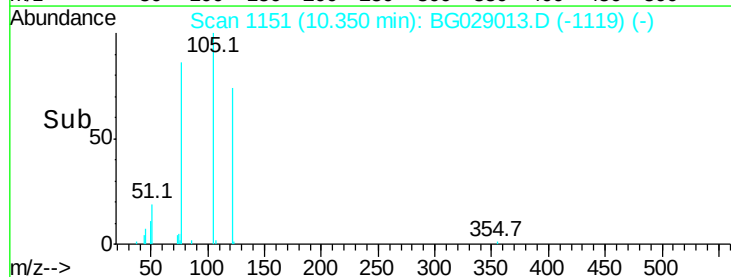
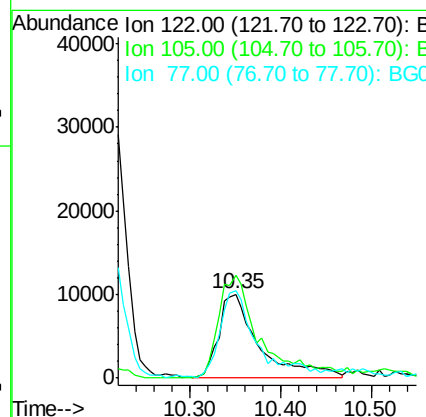
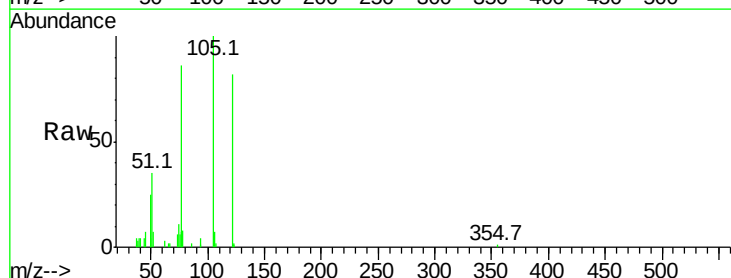
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT4-2017

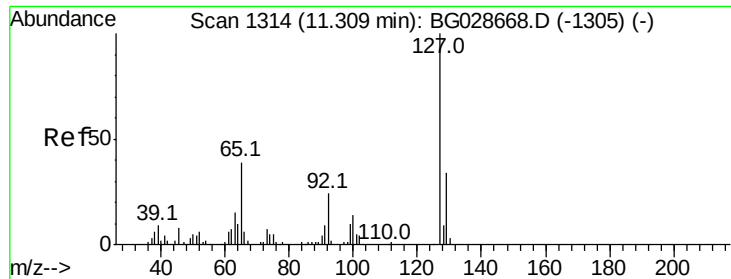
Tot Ion:128 Resp: 164381  
Ion Ratio Lower Upper  
128 100  
129 10.4 9.3 13.9  
127 11.6 11.4 17.0



#32  
Benzoic acid  
Concen: 20.262 ng  
RT: 10.35 min Scan# 1151  
Delta R.T. -0.11 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

Tgt Ion:122 Resp: 31451  
Ion Ratio Lower Upper  
122 100  
105 121.6 120.1 160.1  
77 104.3 104.6 144.6#

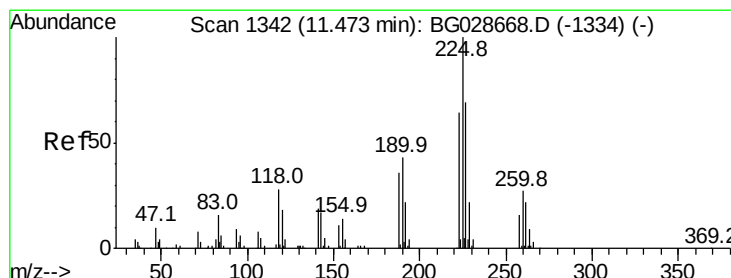
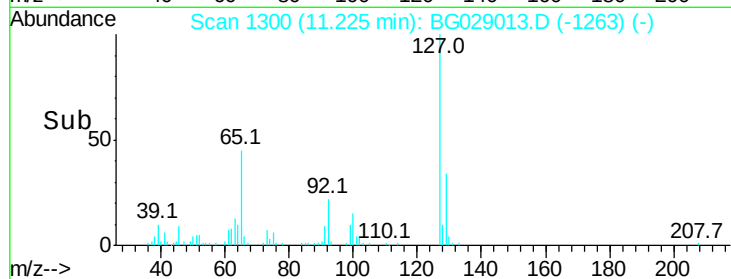
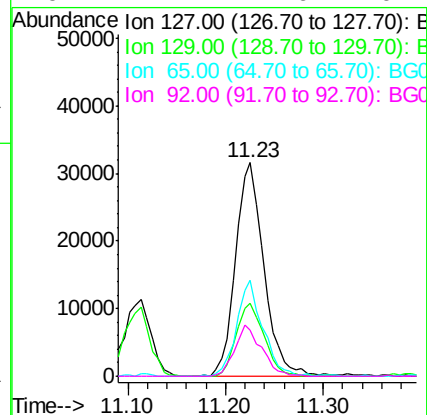
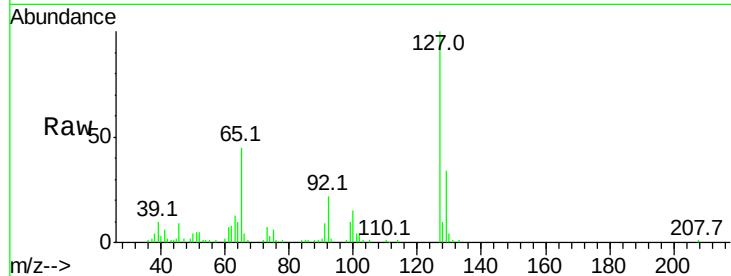




#33  
4-Chloroaniline  
Concen: 19.260 ng  
RT: 11.23 min Scan# 1300  
Delta R.T. -0.08 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

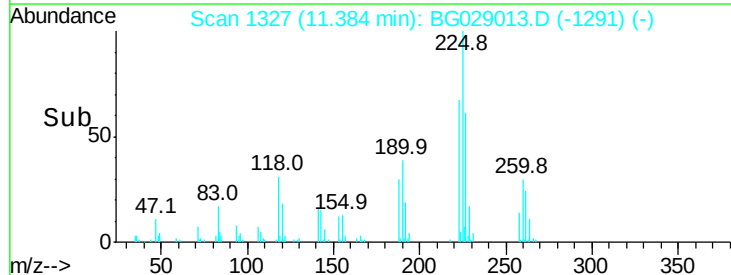
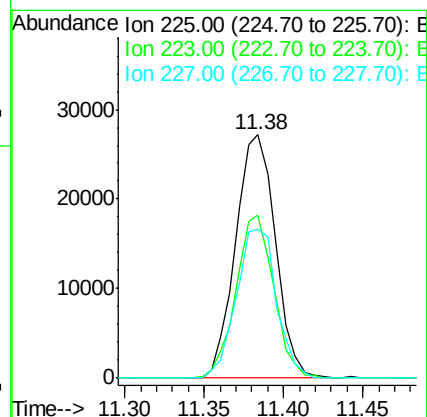
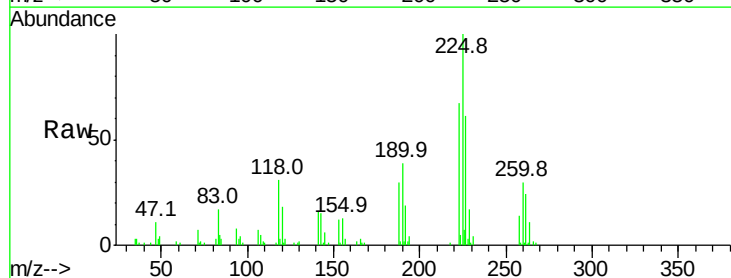
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT4-2017

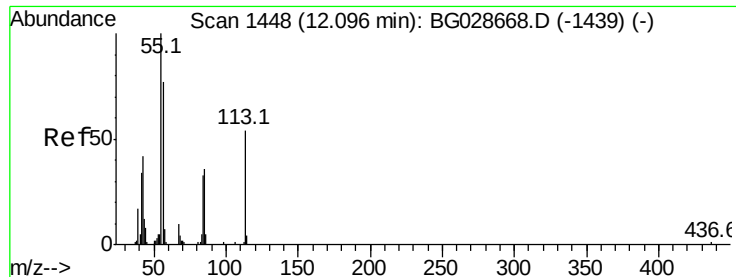
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 63835 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 34.4  | 23.6  | 35.4  |
| 65       | 45.0  | 37.7  | 56.5  |
| 92       | 21.7  | 17.6  | 26.4  |



#34  
Hexachlorobutadiene  
Concen: 20.670 ng  
RT: 11.38 min Scan# 1327  
Delta R.T. -0.09 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 47141 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 67.0  | 50.7  | 76.1  |
| 227      | 61.4  | 49.0  | 73.6  |

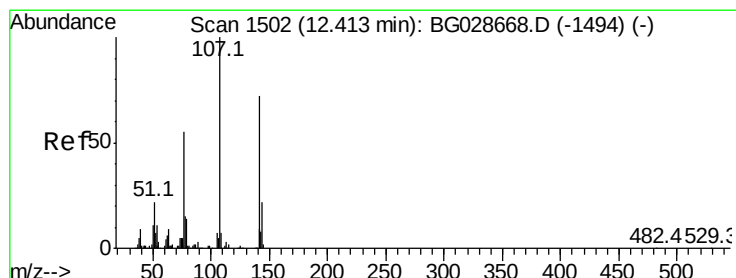
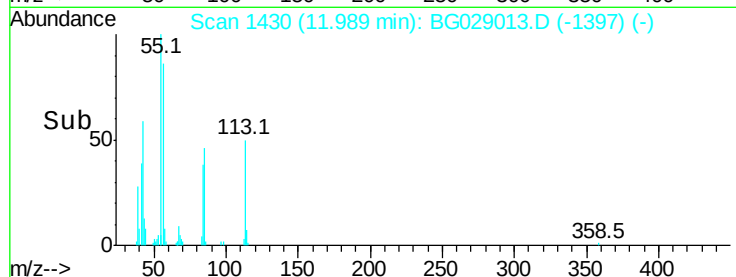
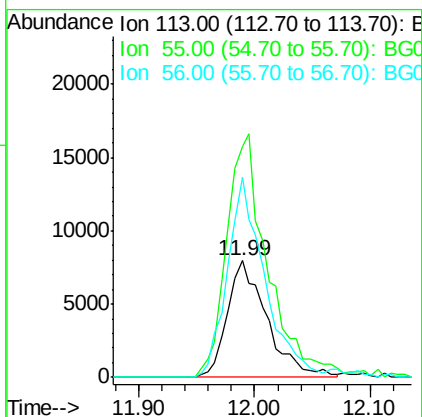
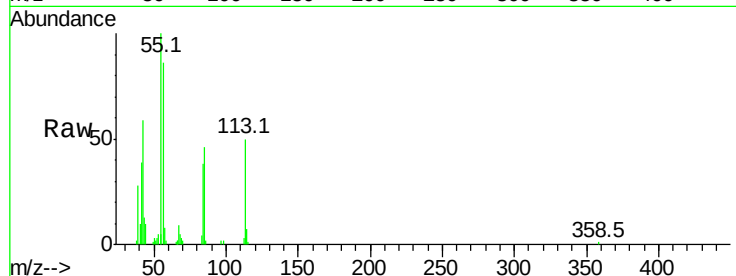




#35  
 Caprolactam  
 Concen: 19.483 ng  
 RT: 11.99 min Scan# 1430  
 Delta R.T. -0.11 min  
 Lab File: BG029013.D  
 Acq: 3 Oct 2017 20:01

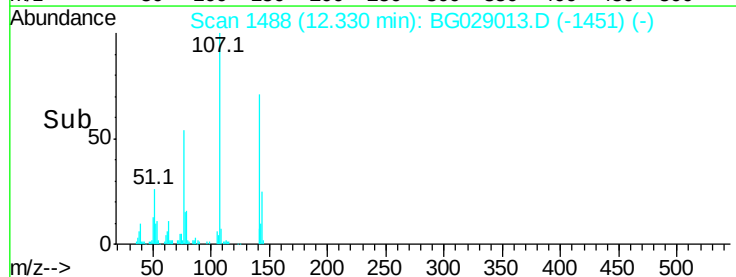
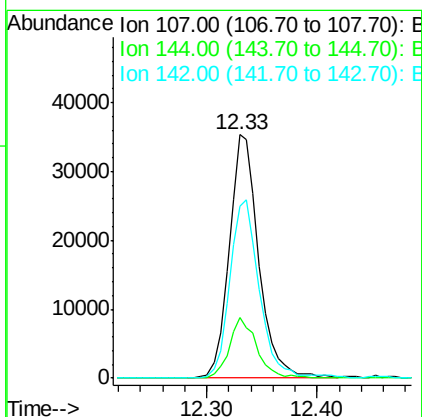
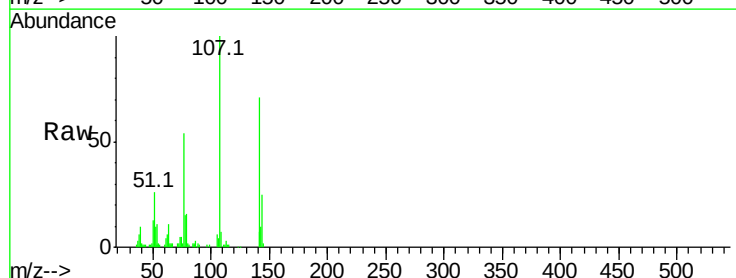
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT4-2017

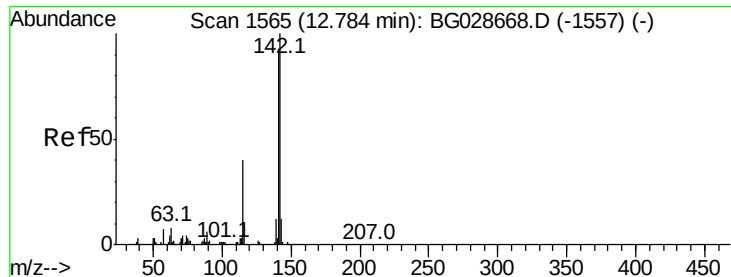
Tot Ion:113 Resp: 18963  
 Ion Ratio Lower Upper  
 113 100  
 55 198.1 198.6 238.6#  
 56 171.0 140.4 180.4



#36  
 4-Chloro-3-methylphenol  
 Concen: 18.668 ng  
 RT: 12.33 min Scan# 1488  
 Delta R.T. -0.08 min  
 Lab File: BG029013.D  
 Acq: 3 Oct 2017 20:01

Tgt Ion:107 Resp: 65941  
 Ion Ratio Lower Upper  
 107 100  
 144 24.7 17.4 26.0  
 142 70.7 54.1 81.1





#37

2-Methylnaphthalene

Concen: 19.398 ng

RT: 12.70 min Scan# 1551

Delta R.T. -0.08 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT4-2017

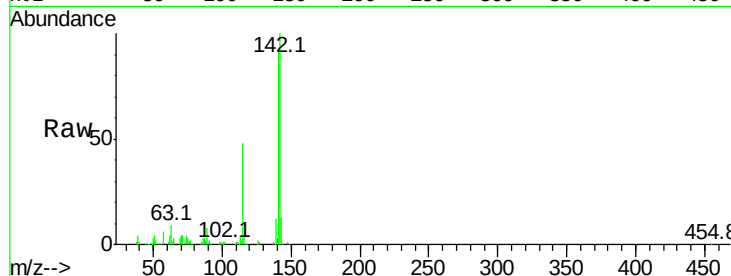
Tot Ion:142 Resp: 114588

Ion Ratio Lower Upper

142 100

141 91.5 70.4 105.6

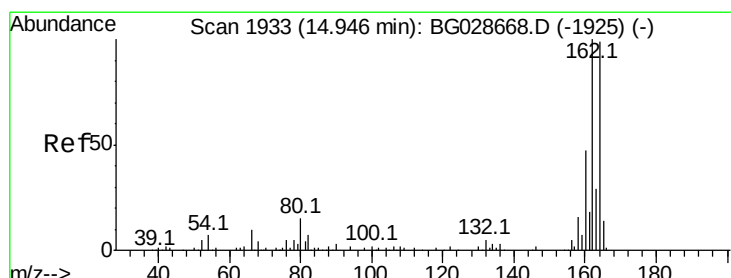
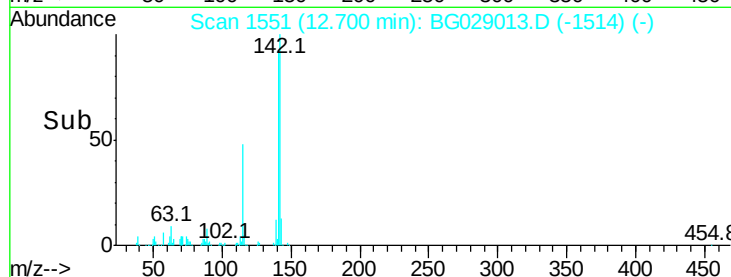
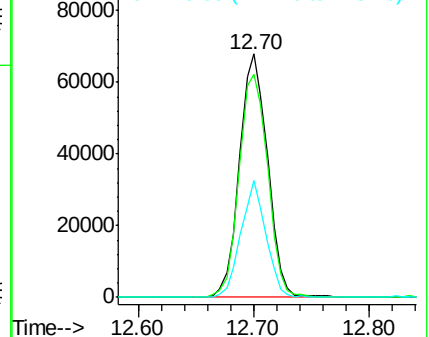
115 48.0 35.5 53.3



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

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.86 min Scan# 1919

Delta R.T. -0.08 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

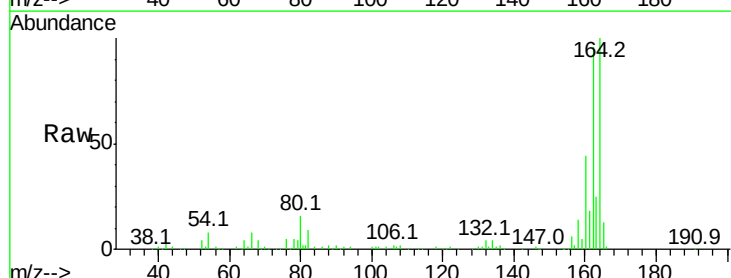
Tgt Ion:164 Resp: 107221

Ion Ratio Lower Upper

164 100

162 95.6 85.1 127.7

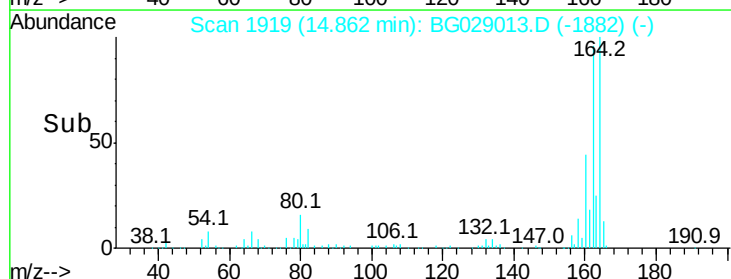
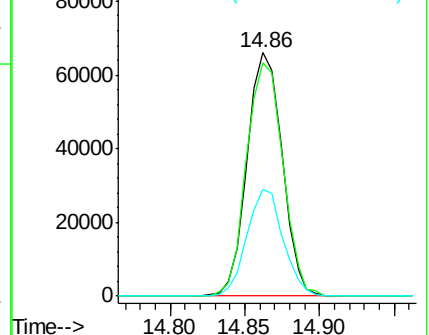
160 43.7 34.7 52.1

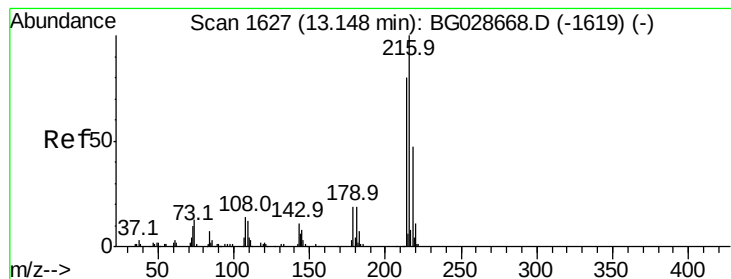


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 20.632 ng

RT: 13.06 min Scan# 1613

Delta R.T. -0.08 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT4-2017

Tot Ion:216 Resp: 90960

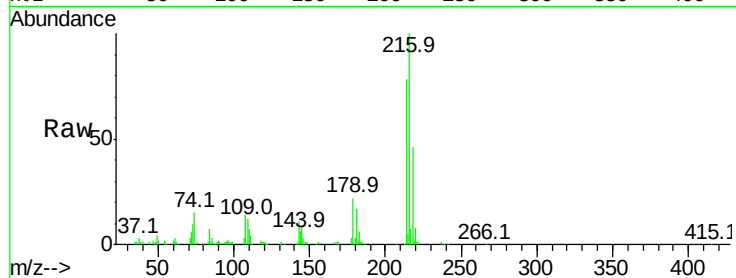
Ion Ratio Lower Upper

216 100

214 77.3 64.4 96.6

179 20.3 17.4 26.0

108 14.4 15.6 23.4#

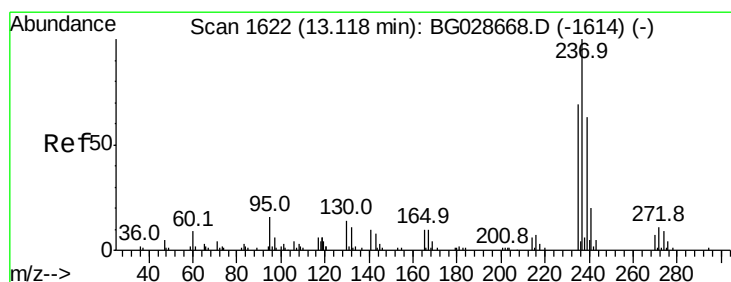
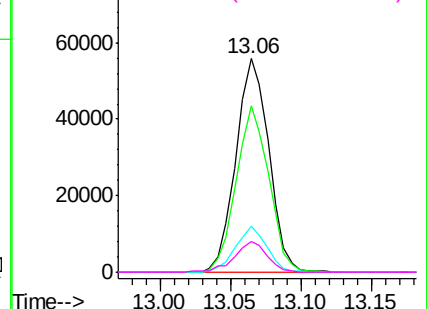
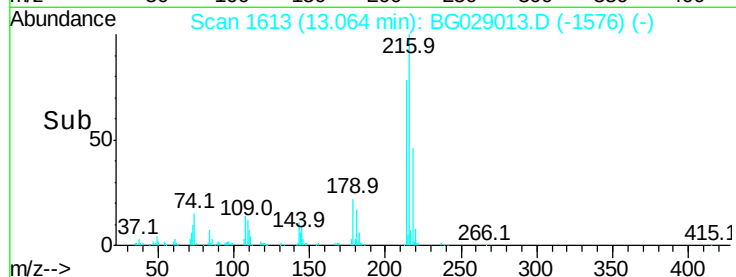


Abundance Ion 216.00 (215.70 to 216.70): E

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



#40

Hexachlorocyclopentadiene

Concen: 17.498 ng

RT: 13.03 min Scan# 1608

Delta R.T. -0.08 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

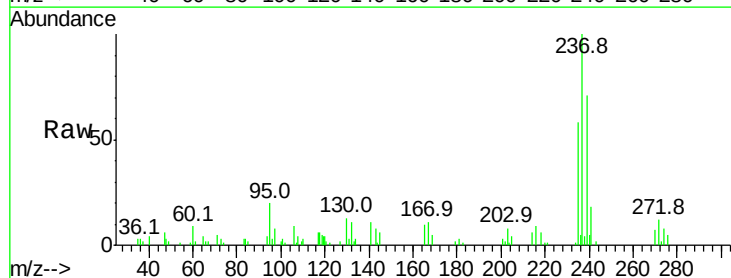
Tgt Ion:237 Resp: 18726

Ion Ratio Lower Upper

237 100

235 58.2 39.4 79.4

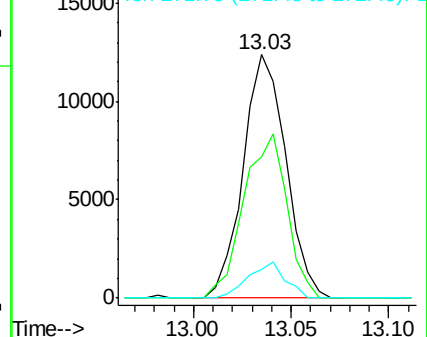
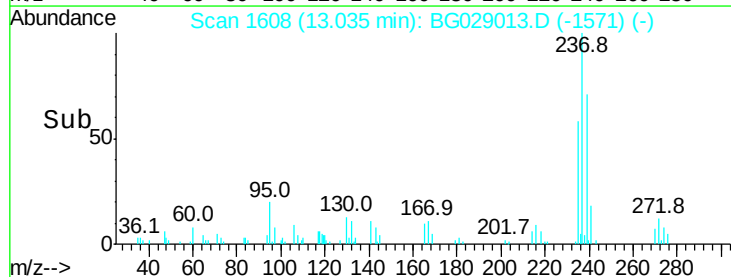
272 11.6 0.0 32.0

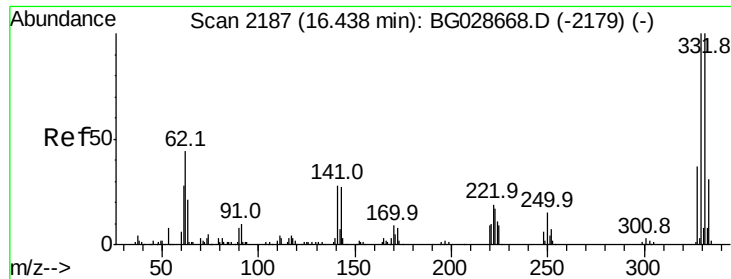


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

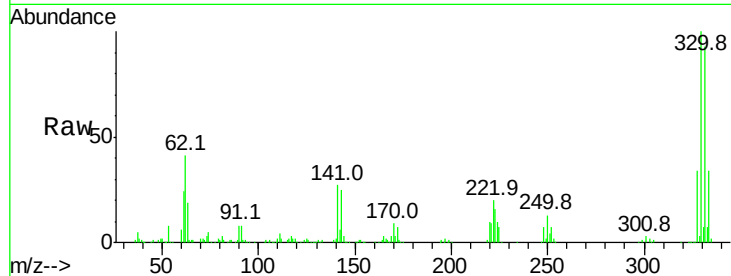




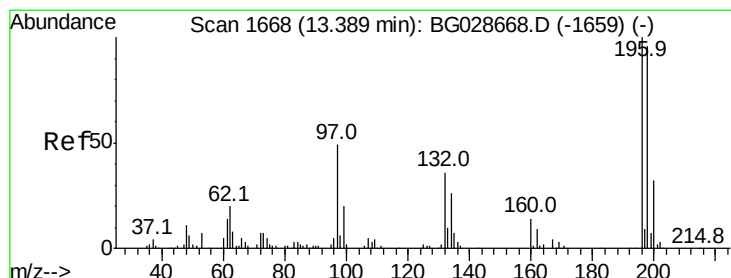
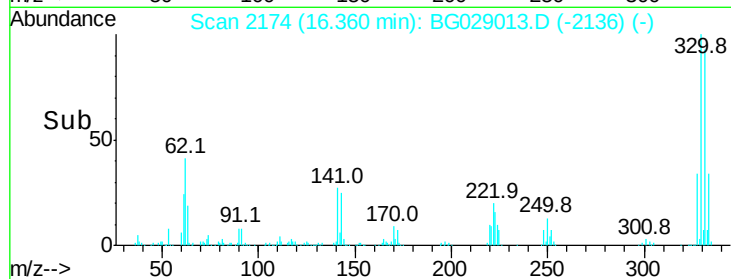
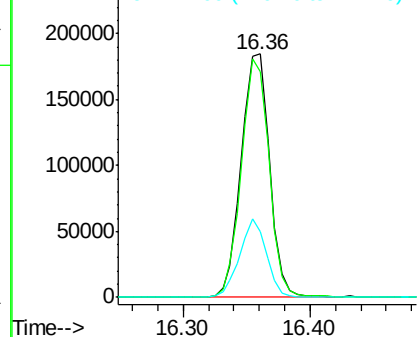
#41  
 2,4,6-Tribromophenol  
 Concen: 161.711 ng  
 RT: 16.36 min Scan# 2174  
 Delta R.T. -0.08 min  
 Lab File: BG029013.D  
 Acq: 3 Oct 2017 20:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT4-2017

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.6  | 77.3  | 115.9 |
| 141     | 30.6  | 32.1  | 48.1# |

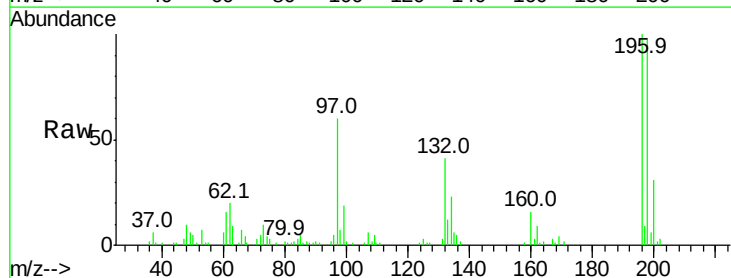


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

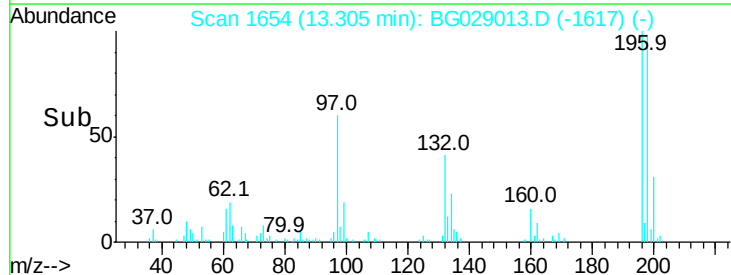
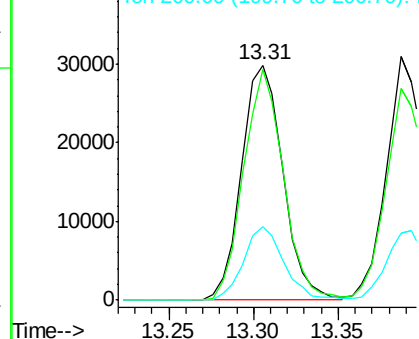


#42  
 2,4,6-Trichlorophenol  
 Concen: 18.231 ng  
 RT: 13.31 min Scan# 1654  
 Delta R.T. -0.08 min  
 Lab File: BG029013.D  
 Acq: 3 Oct 2017 20:01

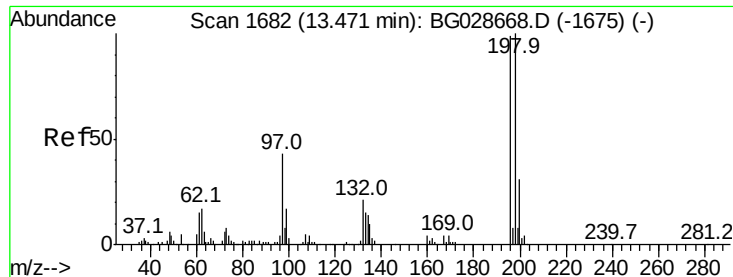
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 98.4  | 81.4  | 122.2 |
| 200     | 31.0  | 27.0  | 40.6  |



Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E



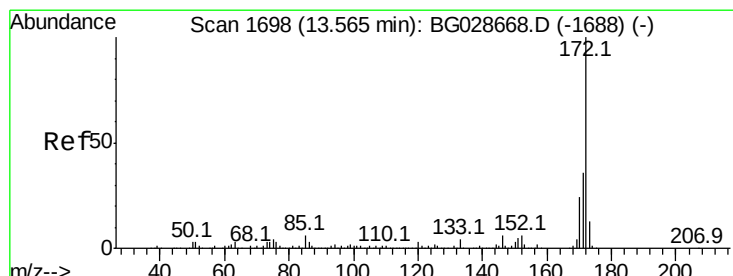
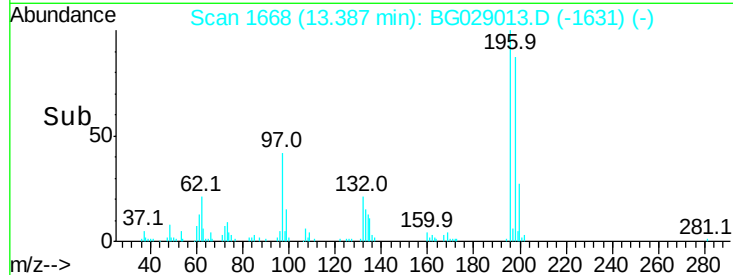
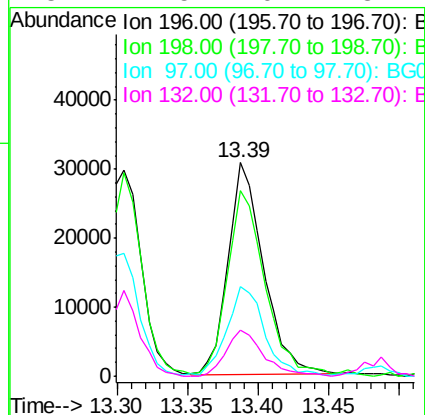
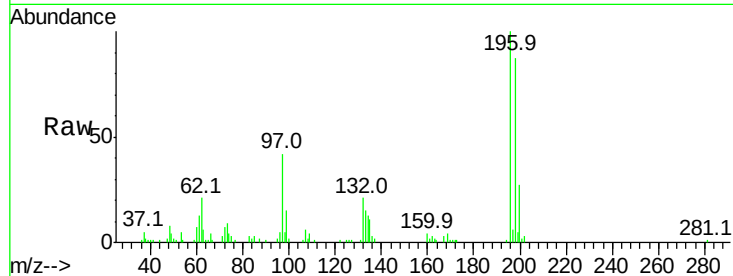




#43  
 2,4,5-Trichlorophenol  
 Concen: 19.209 ng  
 RT: 13.39 min Scan# 1668  
 Delta R.T. -0.08 min  
 Lab File: BG029013.D  
 Acq: 3 Oct 2017 20:01

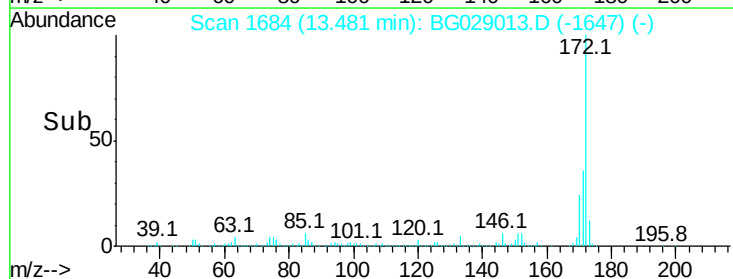
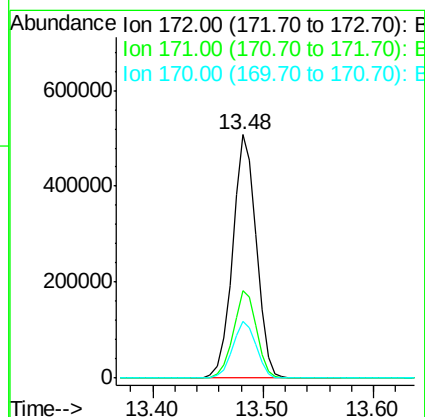
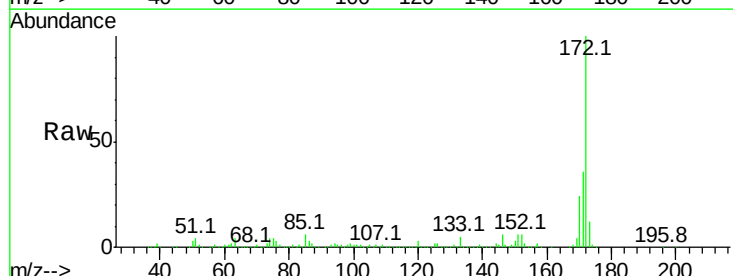
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT4-2017

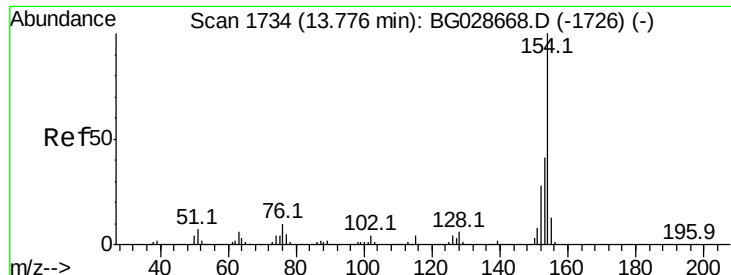
Tot Ion:196 Resp: 54008  
 Ion Ratio Lower Upper  
 196 100  
 198 86.7 79.9 119.9  
 97 42.0 45.4 68.0#  
 132 21.5 20.7 31.1



#44  
 2-Fluorobiphenyl  
 Concen: 94.522 ng  
 RT: 13.48 min Scan# 1684  
 Delta R.T. -0.08 min  
 Lab File: BG029013.D  
 Acq: 3 Oct 2017 20:01

Tgt Ion:172 Resp: 760051  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 32.2 48.2  
 170 23.6 21.8 32.6

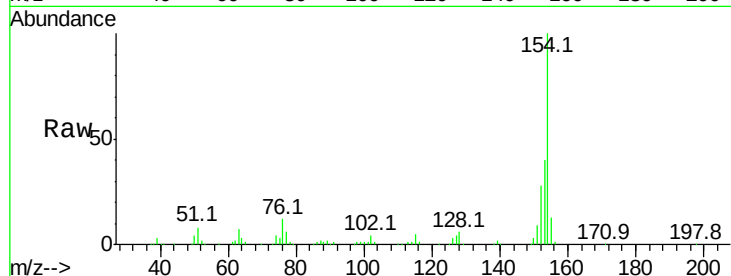




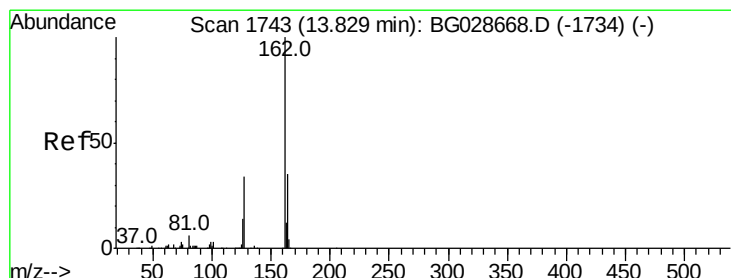
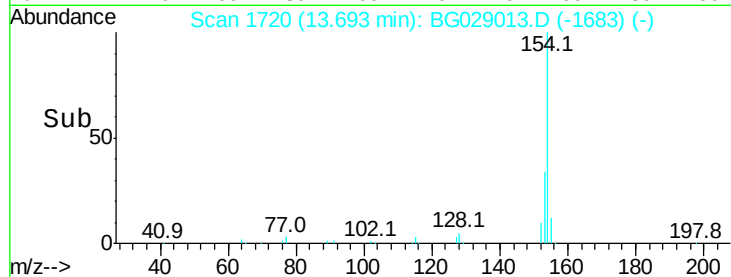
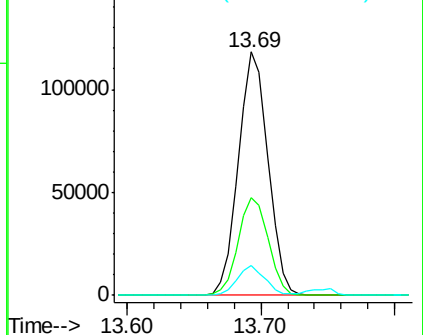
#45  
 1,1'-Biphenyl  
 Concen: 20.430 ng  
 RT: 13.69 min Scan# 1720  
 Delta R.T. -0.08 min  
 Lab File: BG029013.D  
 Acq: 3 Oct 2017 20:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT4-2017

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.0  | 23.0  | 63.0  |
| 76      | 12.4  | 0.0   | 33.5  |

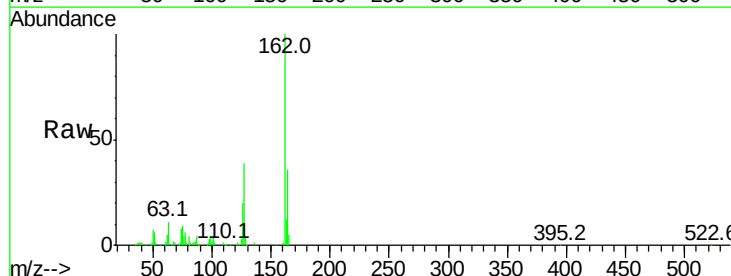


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): B

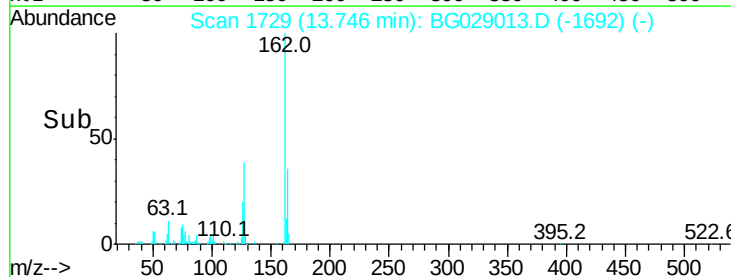
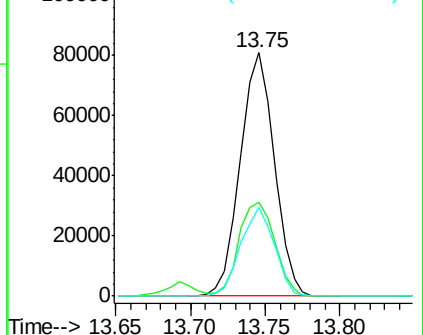


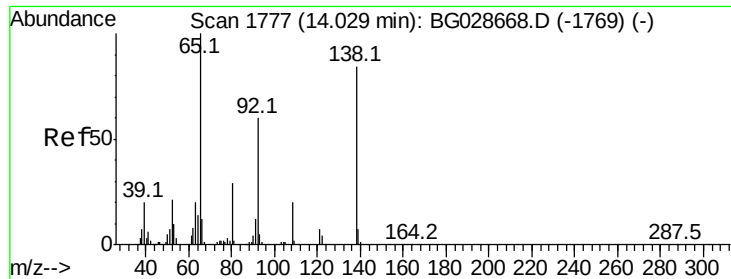
#46  
 2-Chloronaphthalene  
 Concen: 19.861 ng  
 RT: 13.75 min Scan# 1729  
 Delta R.T. -0.08 min  
 Lab File: BG029013.D  
 Acq: 3 Oct 2017 20:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 38.7  | 32.2  | 48.4  |
| 164     | 36.5  | 27.3  | 40.9  |



Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

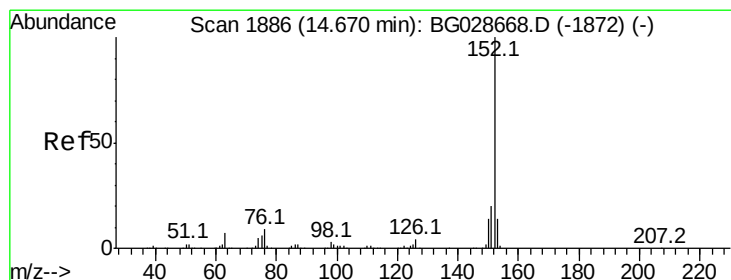
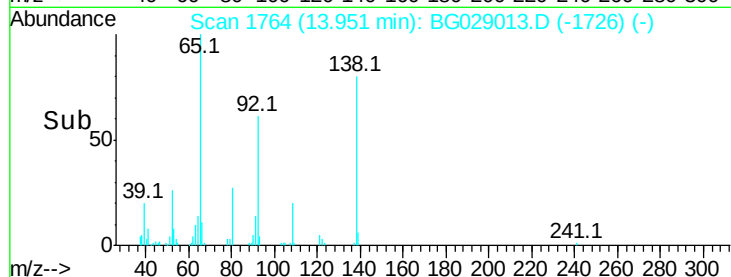
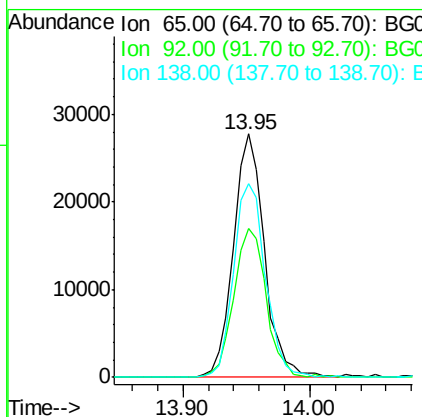
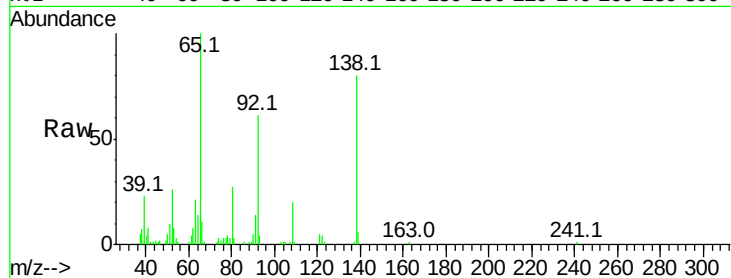




#47  
2-Nitroaniline  
Concen: 19.454 ng  
RT: 13.95 min Scan# 1764  
Delta R.T. -0.08 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

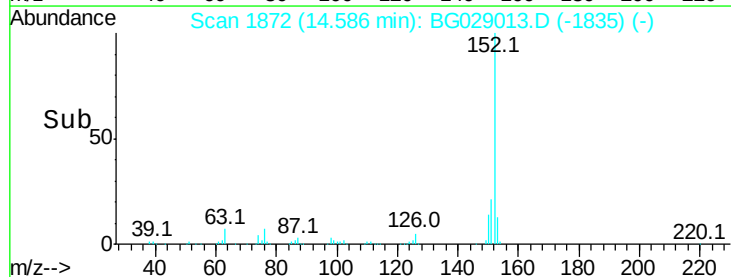
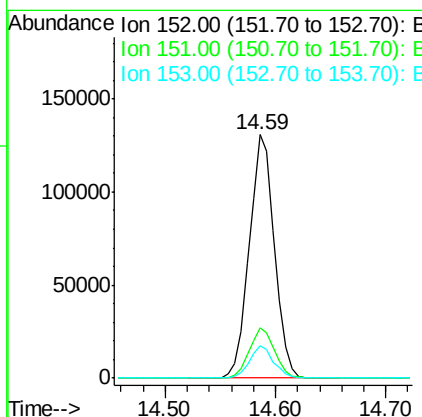
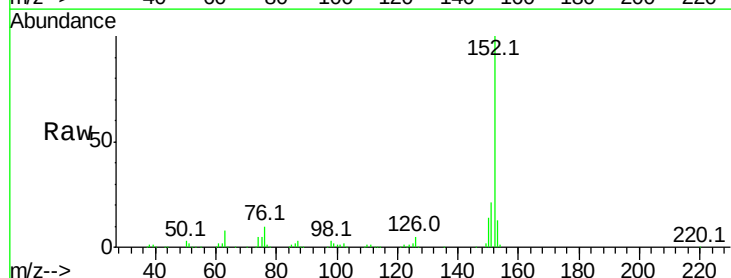
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT4-2017

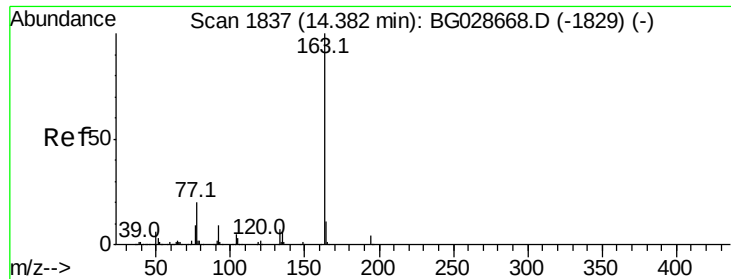
Tot Ion: 65 Resp: 46816  
Ion Ratio Lower Upper  
65 100  
92 60.9 49.0 73.4  
138 79.6 58.6 87.8



#48  
Acenaphthylene  
Concen: 20.159 ng  
RT: 14.59 min Scan# 1872  
Delta R.T. -0.08 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

Tgt Ion: 152 Resp: 208540  
Ion Ratio Lower Upper  
152 100  
151 20.8 18.2 27.2  
153 13.3 11.3 16.9

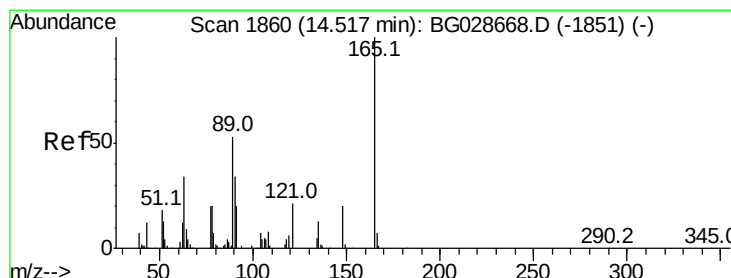
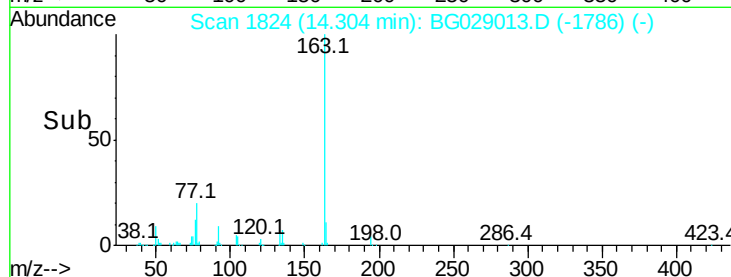
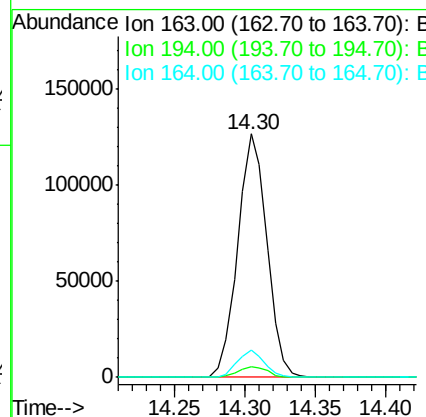
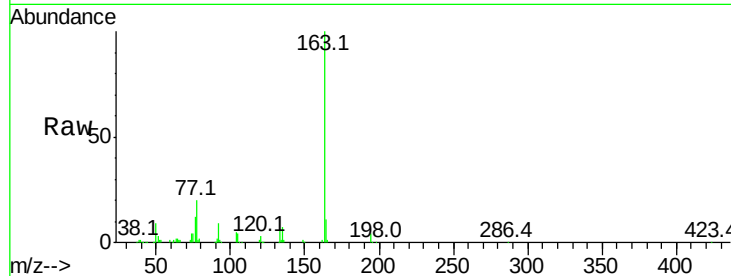




#49  
Dimethylphthalate  
Concen: 20.219 ng  
RT: 14.30 min Scan# 1824  
Delta R.T. -0.08 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

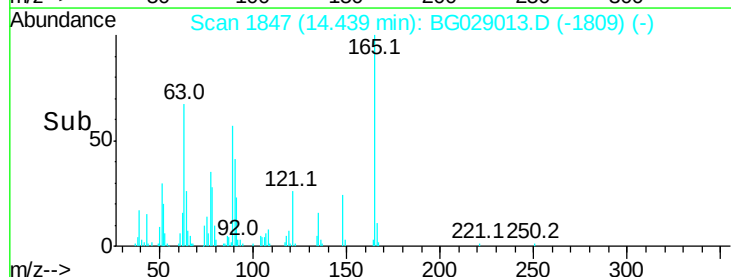
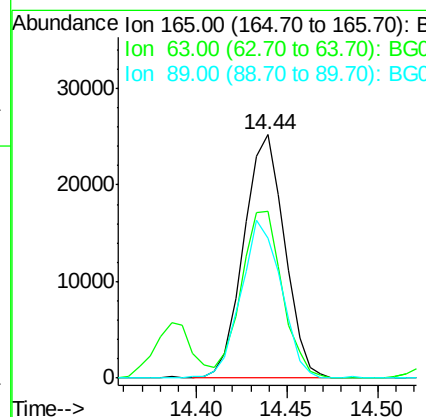
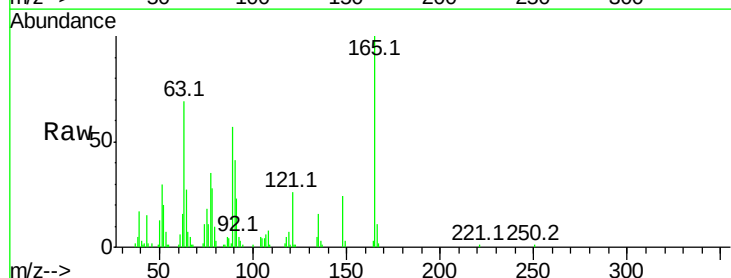
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT4-2017

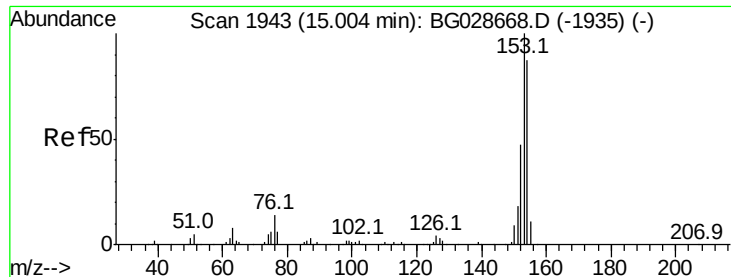
Tot Ion:163 Resp: 181793  
Ion Ratio Lower Upper  
163 100  
194 4.4 3.8 5.6  
164 11.1 9.3 13.9



#50  
2,6-Dinitrotoluene  
Concen: 19.764 ng  
RT: 14.44 min Scan# 1847  
Delta R.T. -0.08 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

Tgt Ion:165 Resp: 39540  
Ion Ratio Lower Upper  
165 100  
63 68.6 63.9 95.9  
89 57.4 58.6 88.0#





#51

Acenaphthene

Concen: 20.225 ng

RT: 14.93 min Scan# 1930

Delta R.T. -0.08 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT4-2017

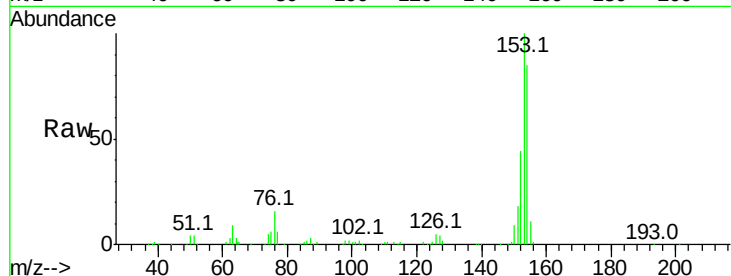
Tot Ion:154 Resp: 127094

Ion Ratio Lower Upper

154 100

153 118.2 87.8 131.6

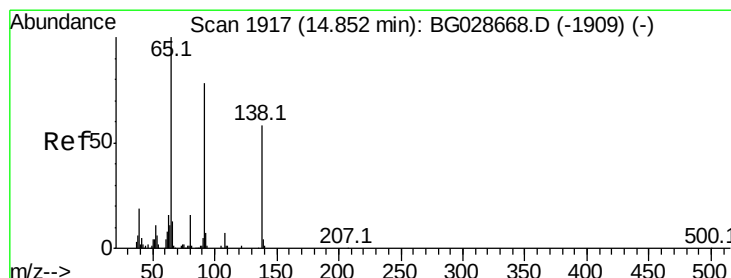
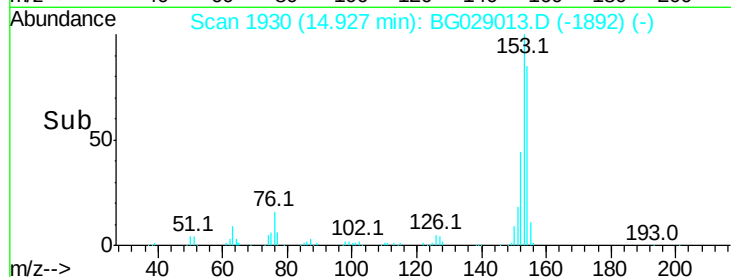
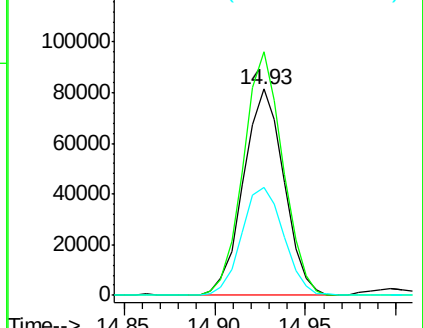
152 52.3 42.2 63.4



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



#52

3-Nitroaniline

Concen: 19.569 ng

RT: 14.77 min Scan# 1904

Delta R.T. -0.08 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

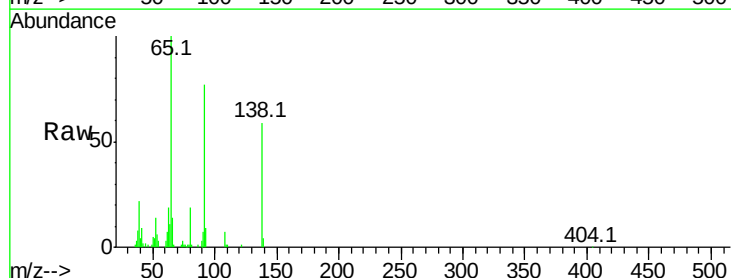
Tgt Ion:138 Resp: 34622

Ion Ratio Lower Upper

138 100

108 12.3 10.9 16.3

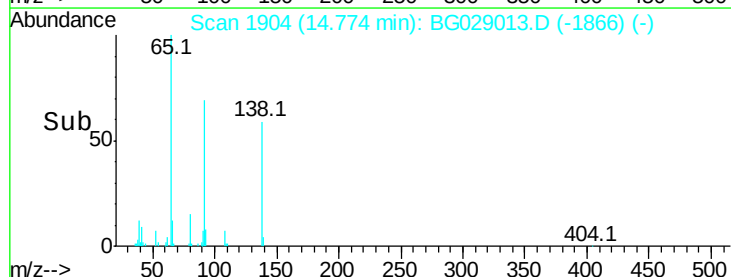
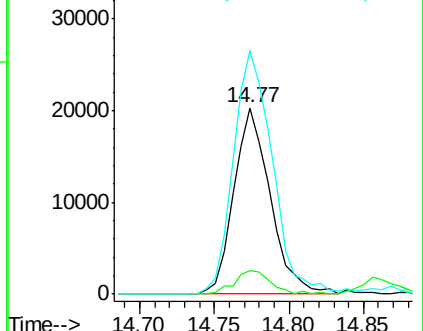
92 130.7 115.3 172.9

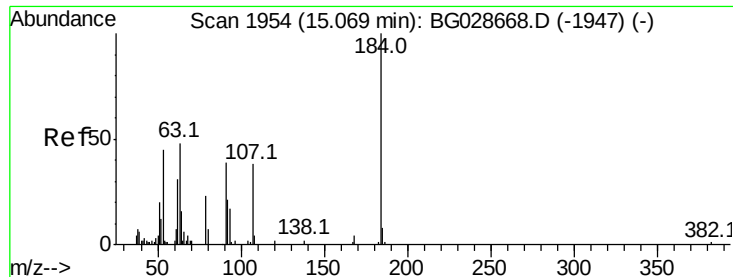


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

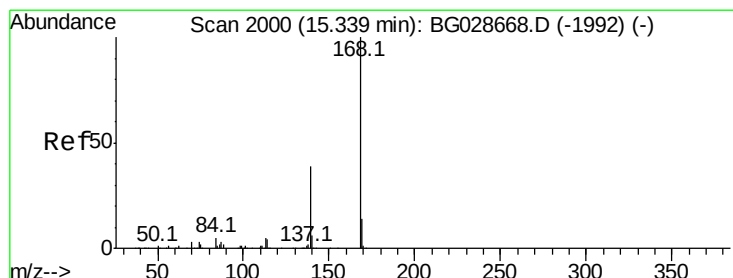
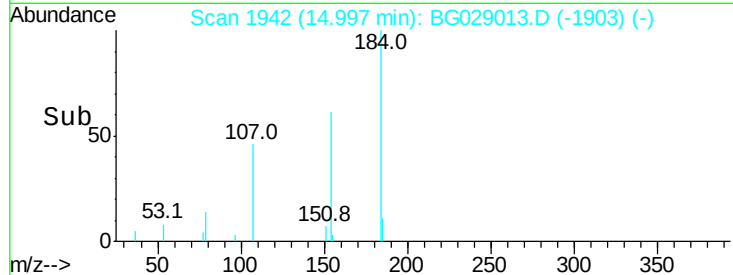
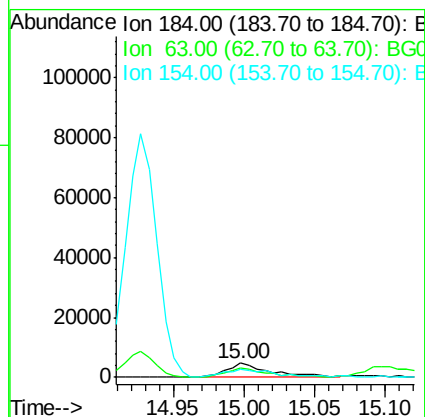
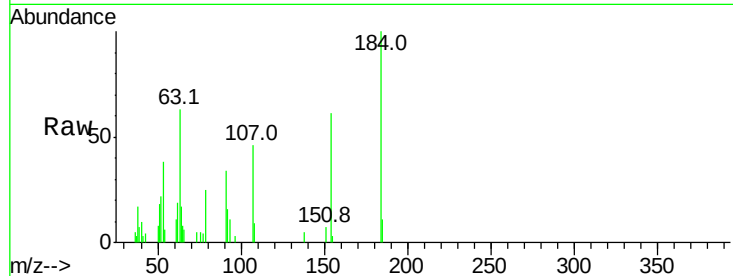




#53  
2,4-Dinitrophenol  
Concen: 16.559 ng  
RT: 15.00 min Scan# 1942  
Delta R.T. -0.07 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

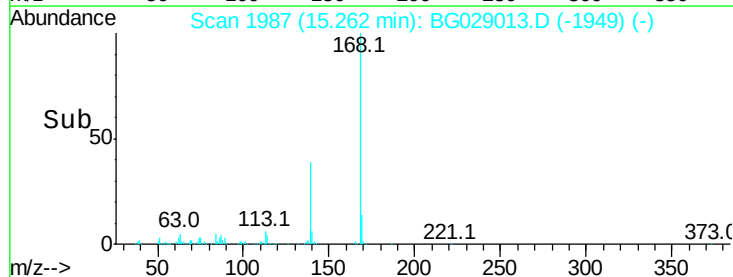
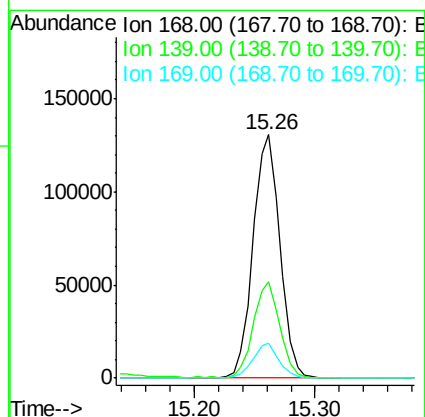
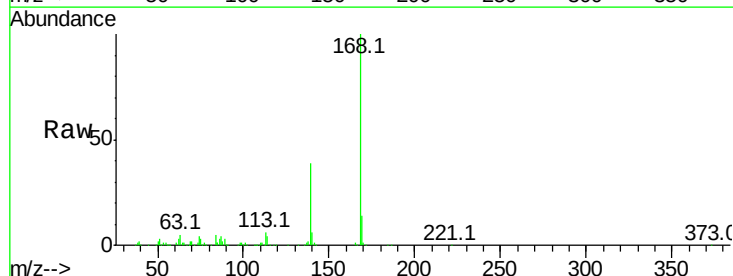
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT4-2017

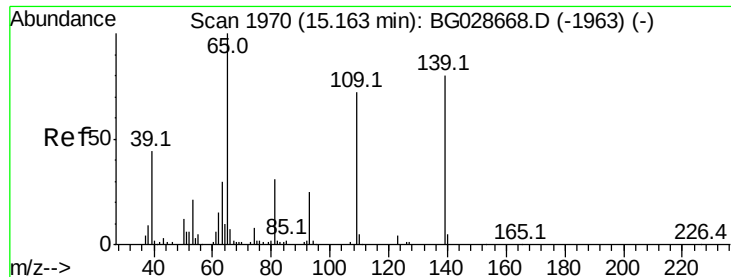
Tot Ion:184 Resp: 10024  
Ion Ratio Lower Upper  
184 100  
63 63.0 52.7 79.1  
154 60.8 57.3 85.9



#54  
Dibenzofuran  
Concen: 20.145 ng  
RT: 15.26 min Scan# 1987  
Delta R.T. -0.08 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

Tgt Ion:168 Resp: 201879  
Ion Ratio Lower Upper  
168 100  
139 39.5 35.3 52.9  
169 14.5 11.5 17.3





#55

4-Nitrophenol

Concen: 16.518 ng

RT: 15.09 min Scan# 1958

Delta R.T. -0.07 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT4-2017

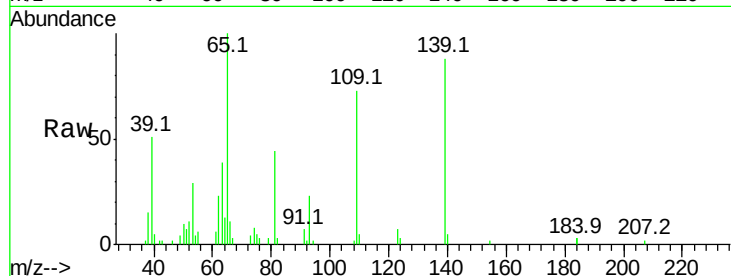
Tot Ion:139 Resp: 21410

Ion Ratio Lower Upper

139 100

109 83.2 101.2 141.2#

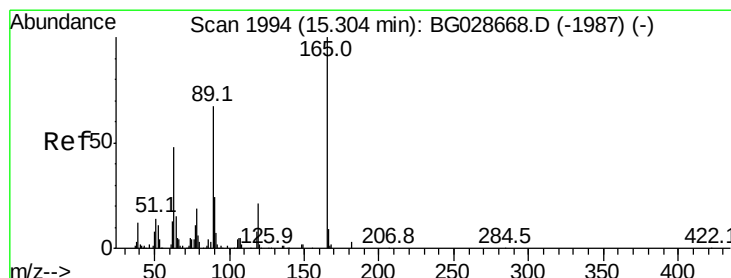
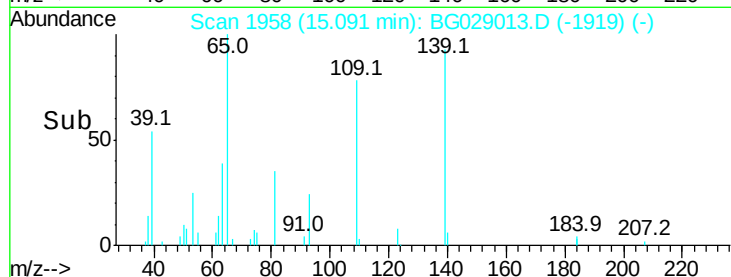
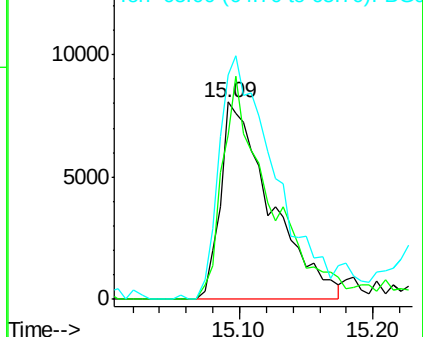
65 114.0 135.3 175.3#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#56

2,4-Dinitrotoluene

Concen: 19.835 ng

RT: 15.23 min Scan# 1982

Delta R.T. -0.07 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Tgt Ion:165 Resp: 55796

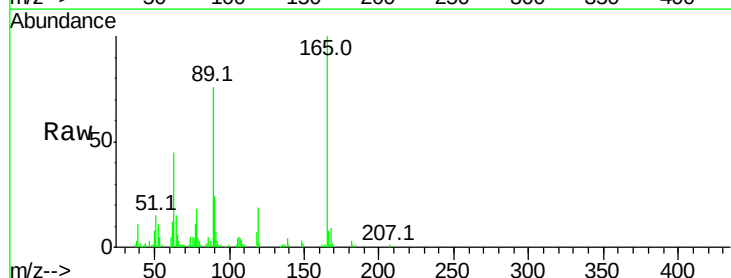
Ion Ratio Lower Upper

165 100

63 44.9 44.0 66.0

89 75.5 67.3 100.9

182 2.9 3.8 5.6#

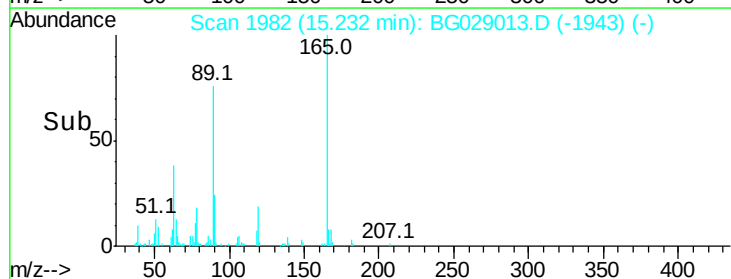
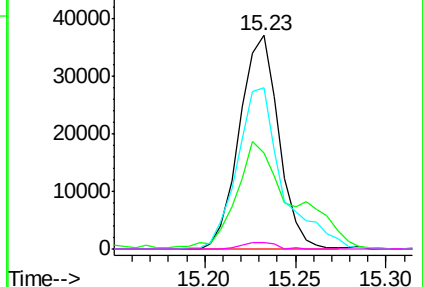


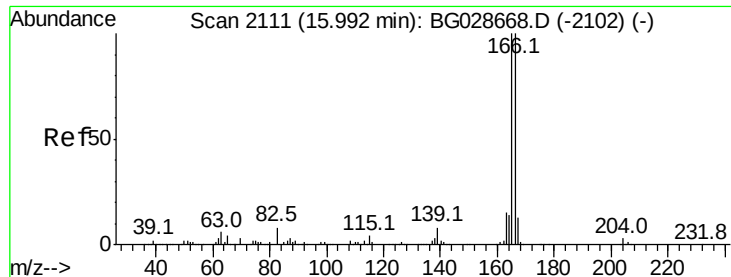
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 19.785 ng

RT: 15.91 min Scan# 2097

Delta R.T. -0.08 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT4-2017

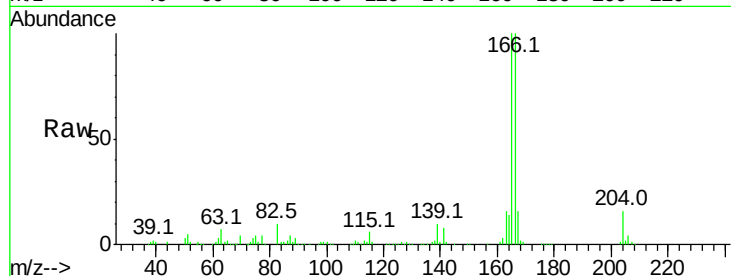
Tot Ion:166 Resp: 177008

Ion Ratio Lower Upper

166 100

165 100.2 78.6 117.8

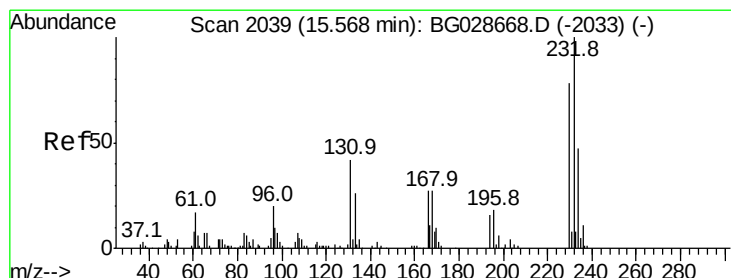
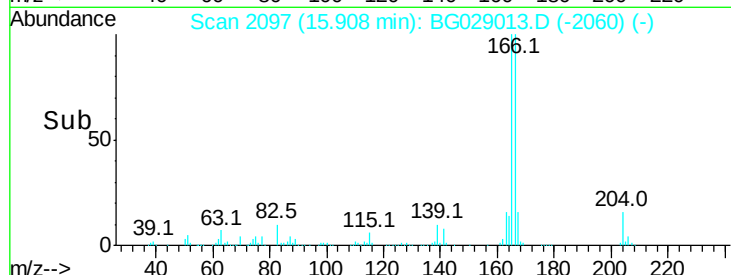
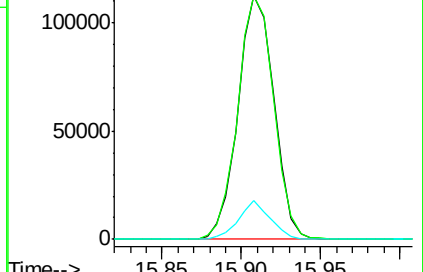
167 15.7 11.6 17.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 19.019 ng

RT: 15.50 min Scan# 2027

Delta R.T. -0.07 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Tgt Ion:232 Resp: 47128

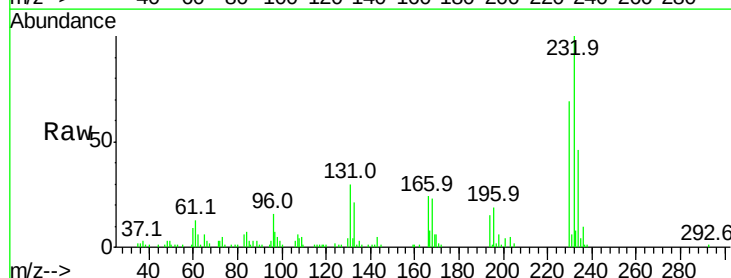
Ion Ratio Lower Upper

232 100

131 36.4 34.9 52.3

130 2.5 2.3 3.5

166 28.1 24.2 36.4

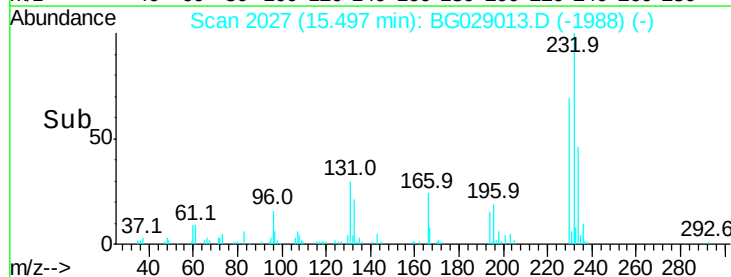
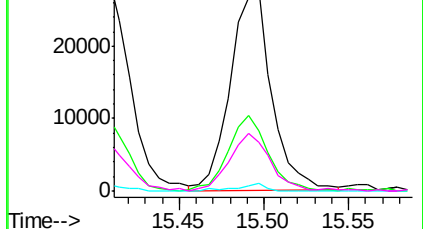


Abundance Ion 232.00 (231.70 to 232.70): E

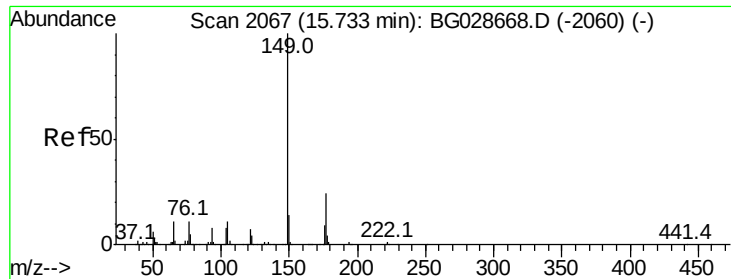
Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E







#59

Diethylphthalate

Concen: 19.925 ng

RT: 15.66 min Scan# 2055

Delta R.T. -0.07 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT4-2017

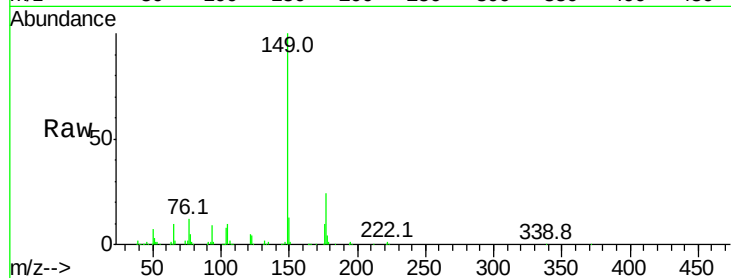
Tot Ion:149 Resp: 184097

Ion Ratio Lower Upper

149 100

177 23.7 20.1 30.1

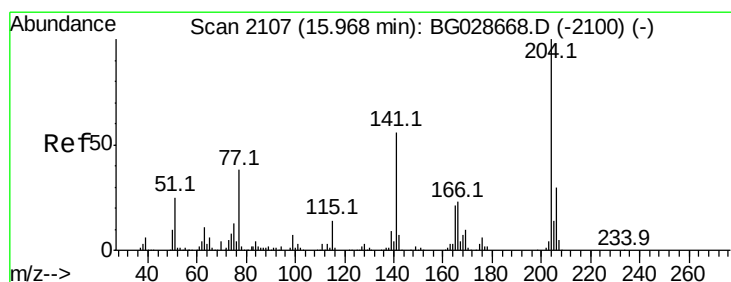
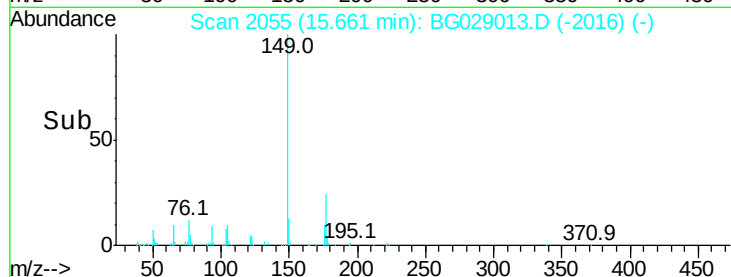
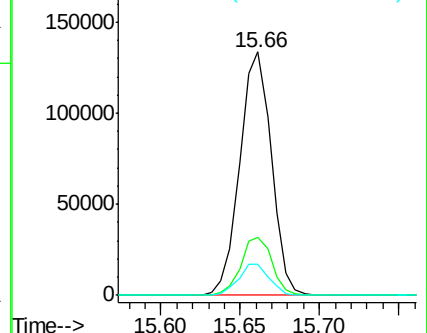
150 12.9 10.2 15.2



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



#60

4-Chlorophenyl-phenylether

Concen: 19.820 ng

RT: 15.89 min Scan# 2094

Delta R.T. -0.08 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

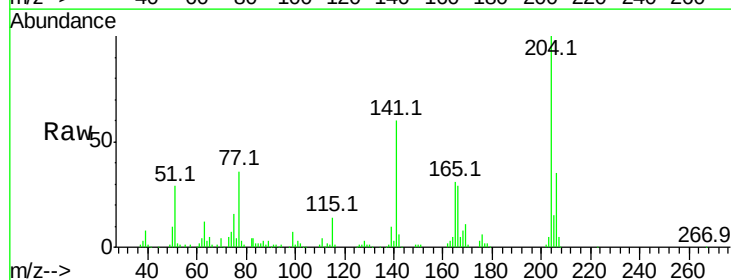
Tgt Ion:204 Resp: 100972

Ion Ratio Lower Upper

204 100

206 34.7 30.1 45.1

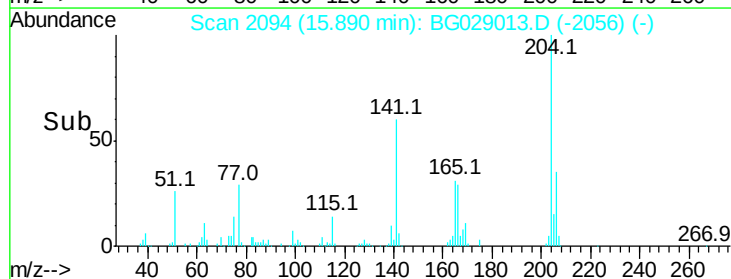
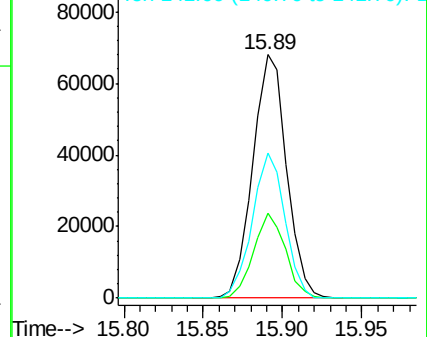
141 59.6 50.6 76.0

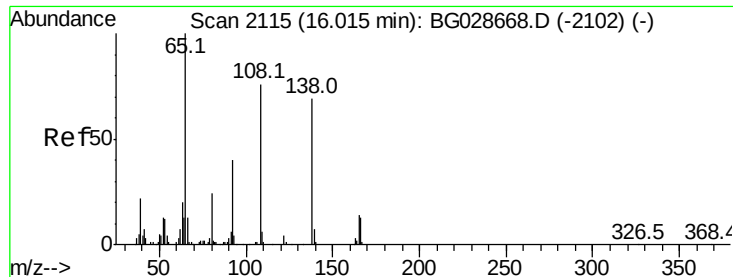


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 19.840 ng

RT: 15.93 min Scan# 2101

Delta R.T. -0.08 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT4-2017

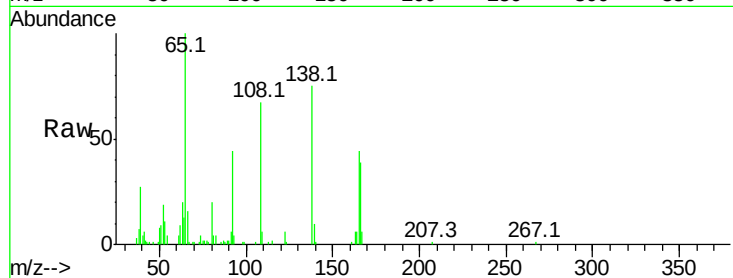
Tot Ion:138 Resp: 37186

Ion Ratio Lower Upper

138 100

92 58.1 44.2 84.2

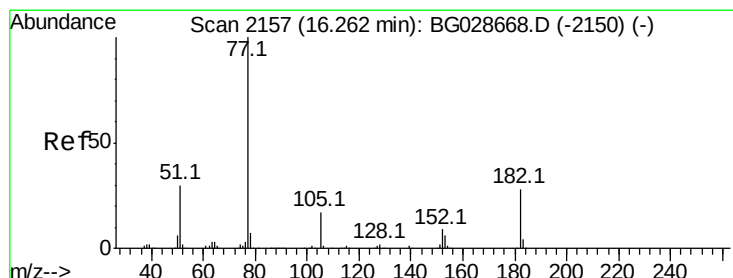
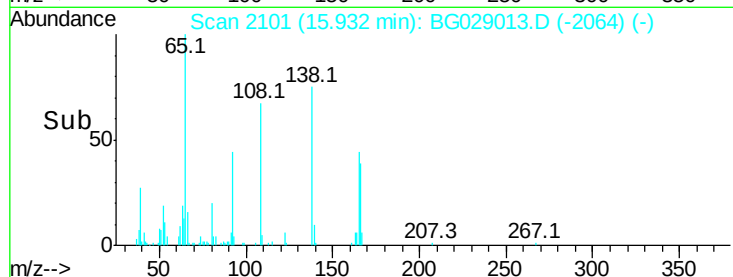
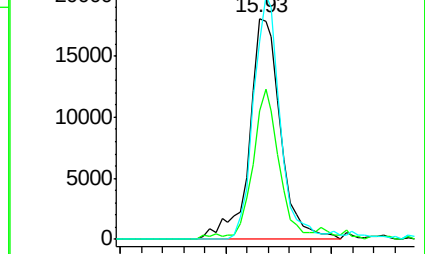
108 89.4 104.8 144.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 20.603 ng

RT: 16.18 min Scan# 2144

Delta R.T. -0.08 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Tgt Ion: 77 Resp: 160102

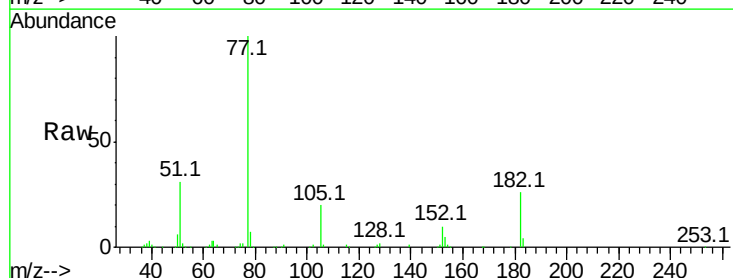
Ion Ratio Lower Upper

77 100

182 26.4 4.7 44.7

105 20.3 0.0 36.3

51 31.0 16.4 56.4

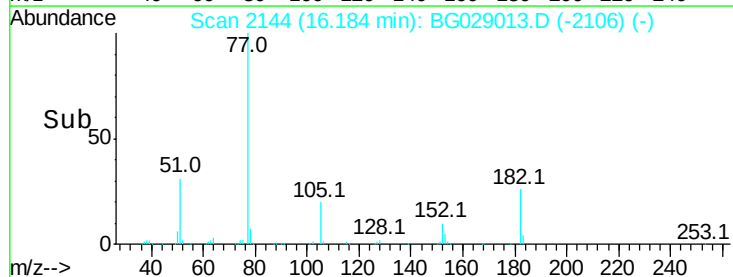
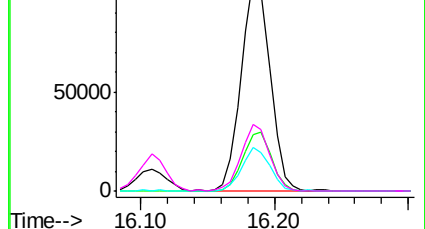


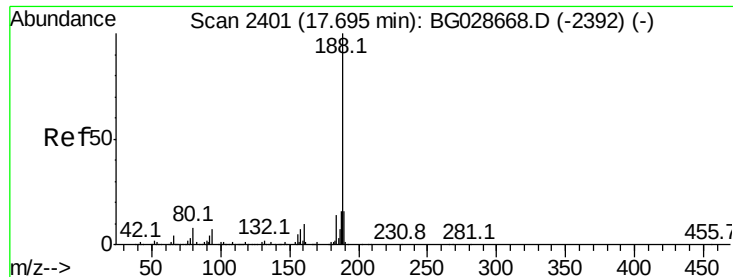
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.61 min Scan# 2387

Delta R.T. -0.08 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT4-2017

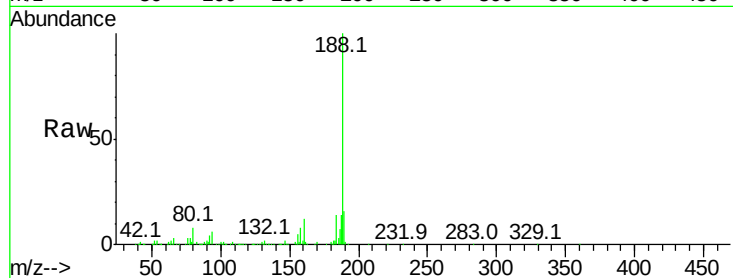
Tot Ion:188 Resp: 260930

Ion Ratio Lower Upper

188 100

94 6.5 5.8 8.8

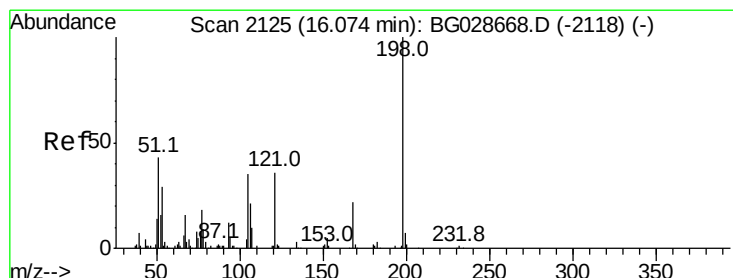
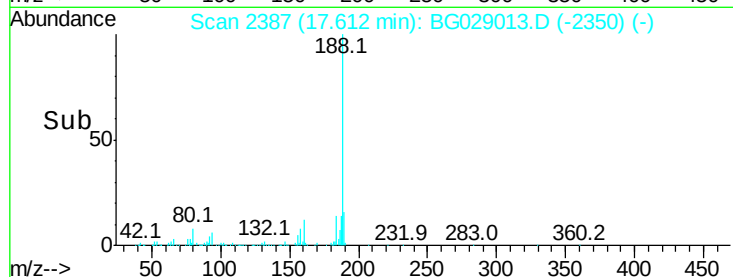
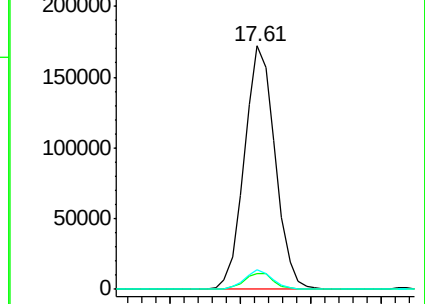
80 7.8 7.5 11.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 19.121 ng

RT: 16.00 min Scan# 2112

Delta R.T. -0.08 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

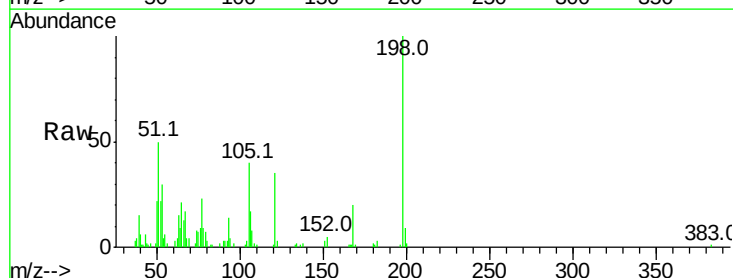
Tgt Ion:198 Resp: 32193

Ion Ratio Lower Upper

198 100

51 49.9 22.6 62.6

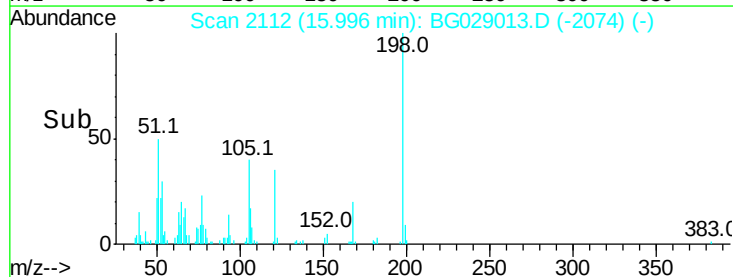
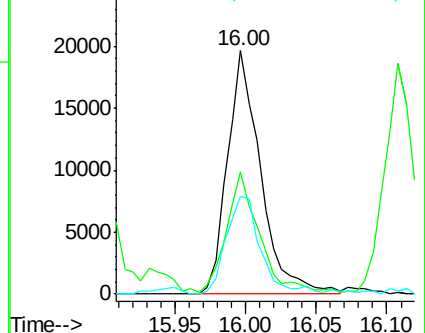
105 39.9 14.4 54.4

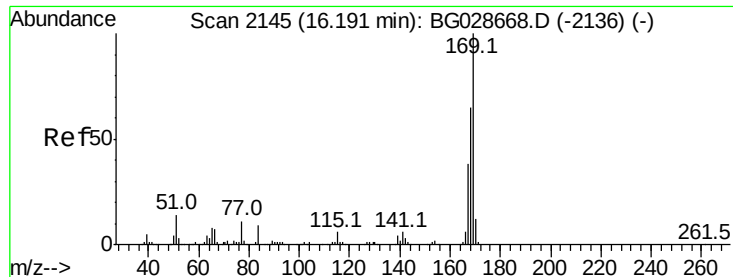


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

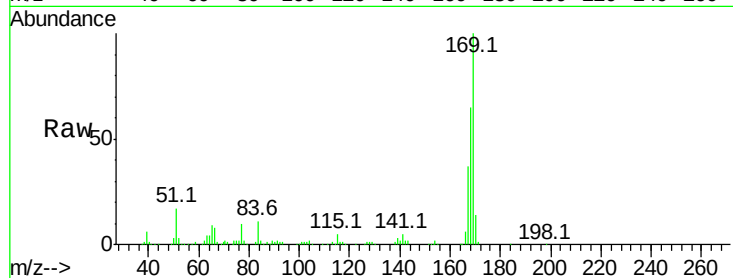




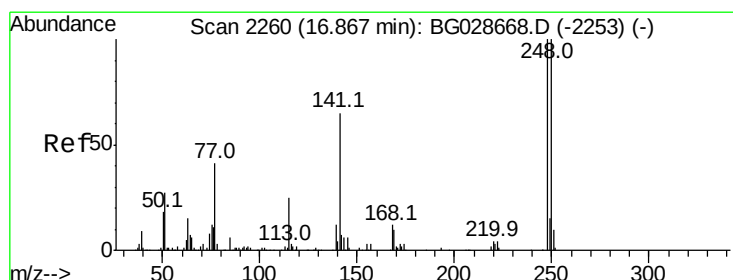
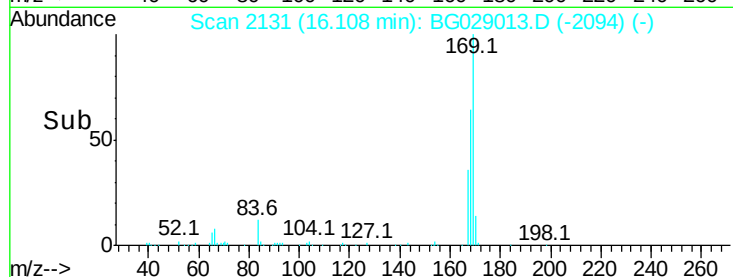
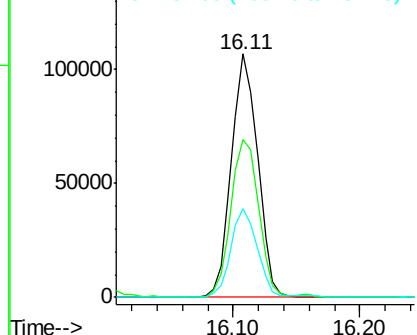
#65  
 n-Nitrosodiphenylamine  
 Concen: 20.421 ng  
 RT: 16.11 min Scan# 2131  
 Delta R.T. -0.08 min  
 Lab File: BG029013.D  
 Acq: 3 Oct 2017 20:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT4-2017

Tot Ion:169 Resp: 152752  
 Ion Ratio Lower Upper  
 169 100  
 168 64.6 55.7 83.5  
 167 36.7 29.8 44.6

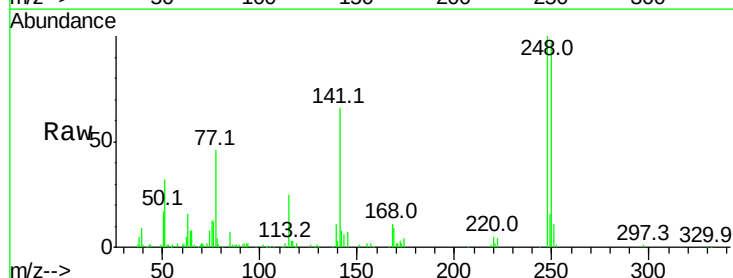


Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

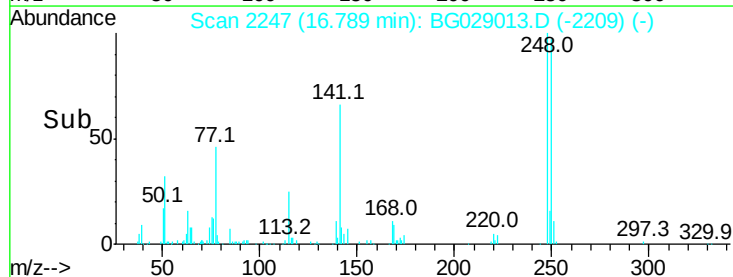
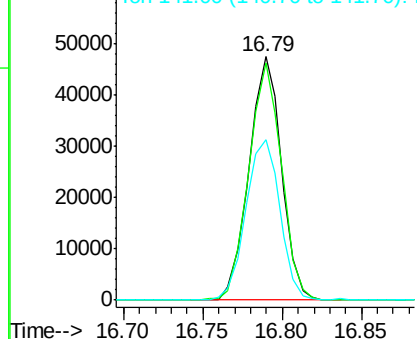


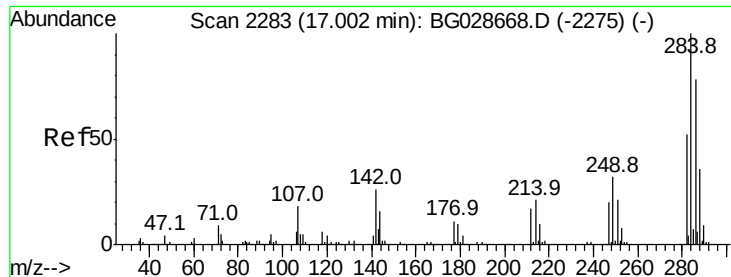
#66  
 4-Bromophenyl-phenylether  
 Concen: 20.062 ng  
 RT: 16.79 min Scan# 2247  
 Delta R.T. -0.08 min  
 Lab File: BG029013.D  
 Acq: 3 Oct 2017 20:01

Tgt Ion:248 Resp: 67357  
 Ion Ratio Lower Upper  
 248 100  
 250 97.3 75.0 112.6  
 141 65.7 55.2 82.8



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

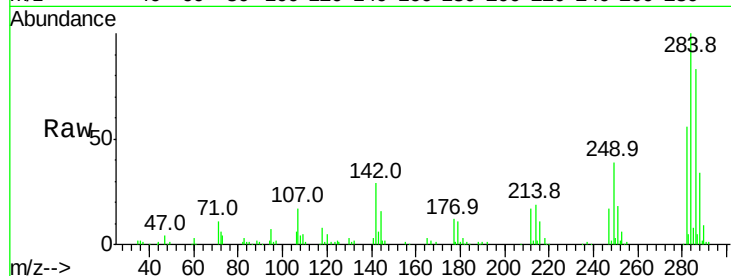




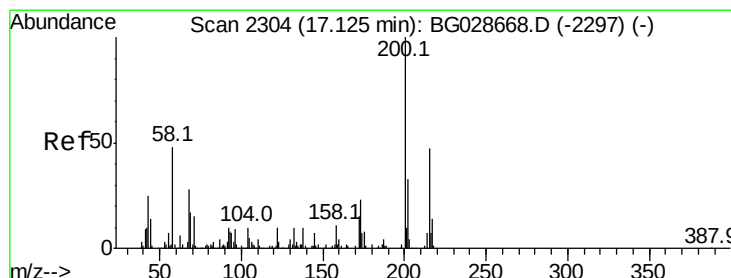
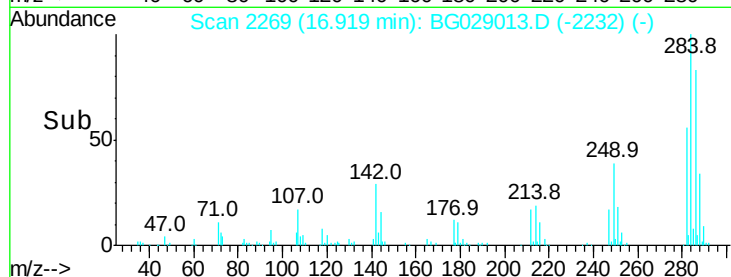
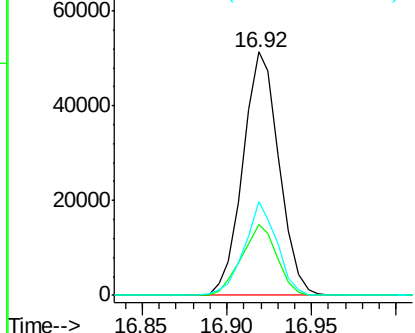
#67  
Hexachlorobenzene  
Concen: 19.982 ng  
RT: 16.92 min Scan# 2269  
Delta R.T. -0.08 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT4-2017

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 29.0  | 29.9  | 44.9# |
| 249     | 38.7  | 29.2  | 43.8  |

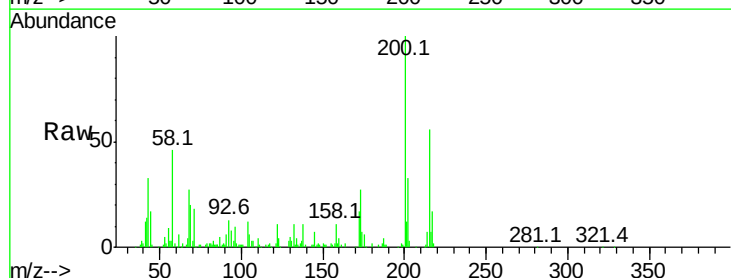


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

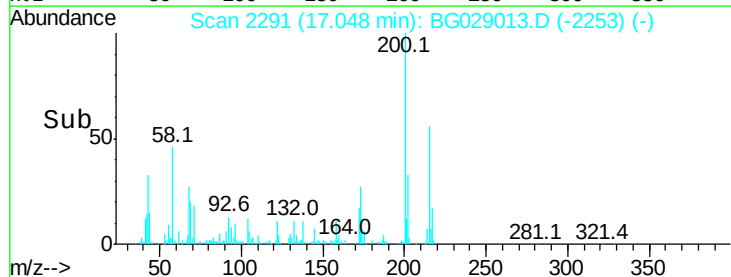
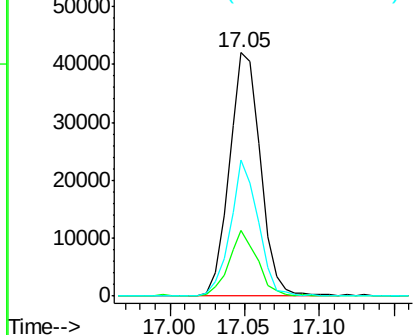


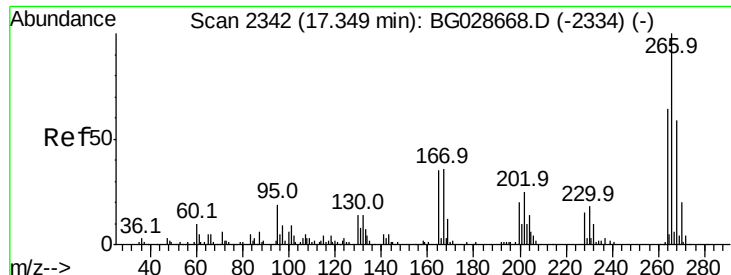
#68  
Atrazine  
Concen: 19.056 ng  
RT: 17.05 min Scan# 2291  
Delta R.T. -0.08 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 27.2  | 3.0   | 43.0  |
| 215     | 55.7  | 28.4  | 68.4  |



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

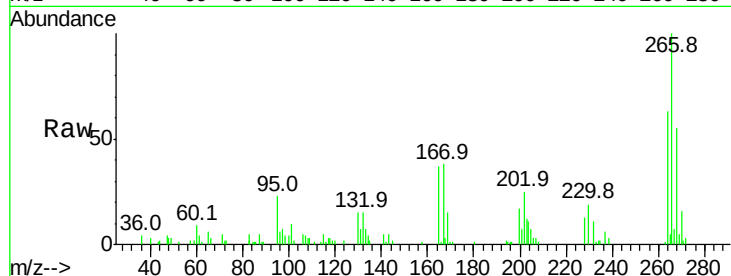




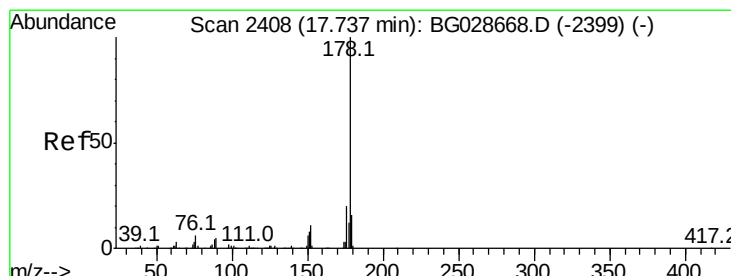
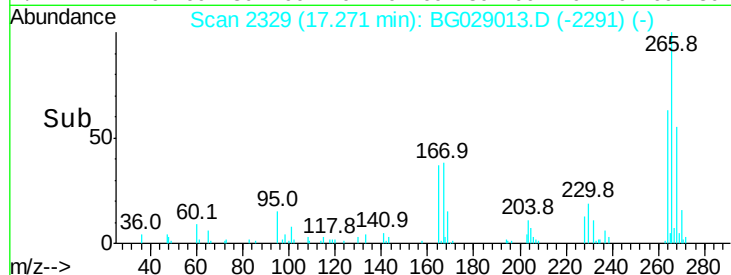
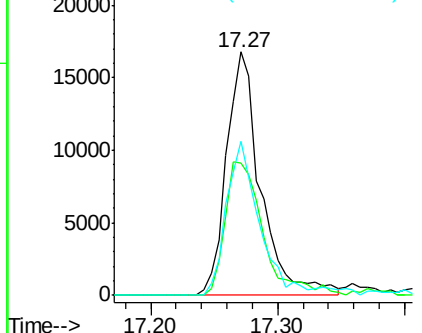
#69  
 Pentachlorophenol  
 Concen: 18.144 ng  
 RT: 17.27 min Scan# 2329  
 Delta R.T. -0.08 min  
 Lab File: BG029013.D  
 Acq: 3 Oct 2017 20:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT4-2017

Tot Ion:266 Resp: 31326  
 Ion Ratio Lower Upper  
 266 100  
 268 54.6 48.6 72.8  
 264 63.3 50.1 75.1

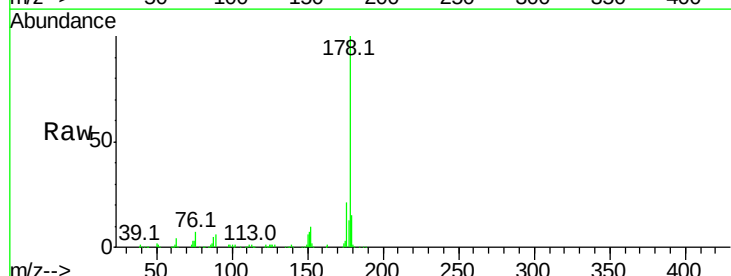


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

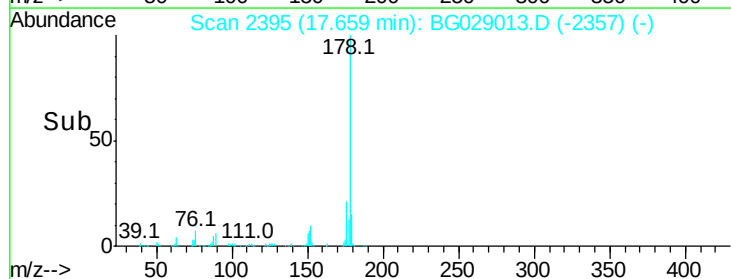
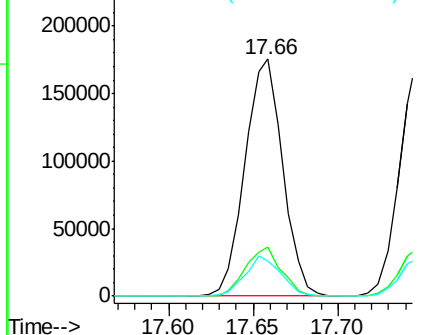


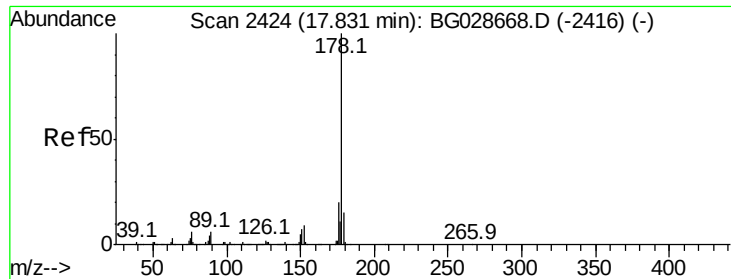
#70  
 Phenanthrene  
 Concen: 20.501 ng  
 RT: 17.66 min Scan# 2395  
 Delta R.T. -0.08 min  
 Lab File: BG029013.D  
 Acq: 3 Oct 2017 20:01

Tgt Ion:178 Resp: 273560  
 Ion Ratio Lower Upper  
 178 100  
 176 20.8 17.7 26.5  
 179 14.6 15.0 22.6#



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

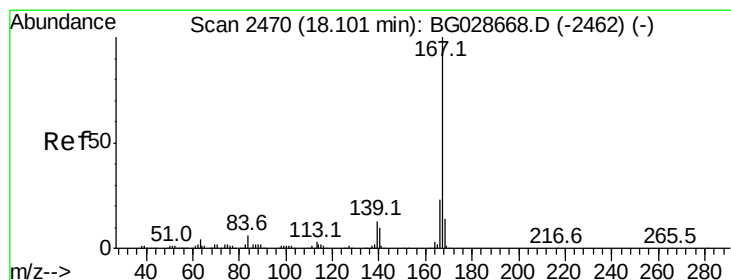
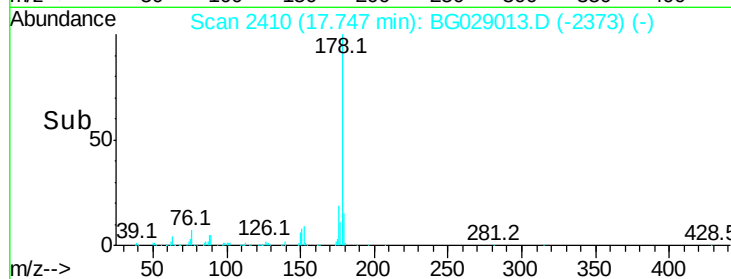
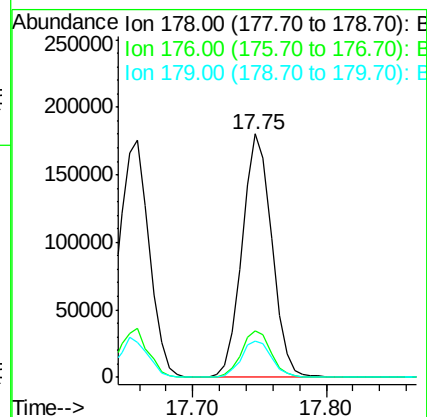
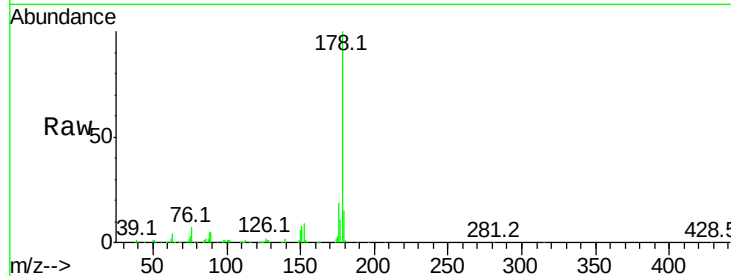




#71  
 Anthracene  
 Concen: 20.520 ng  
 RT: 17.75 min Scan# 2410  
 Delta R.T. -0.08 min  
 Lab File: BG029013.D  
 Acq: 3 Oct 2017 20:01

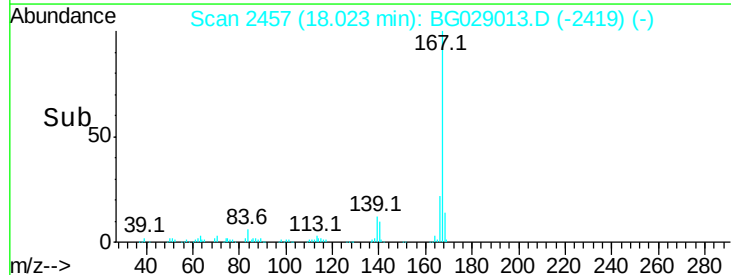
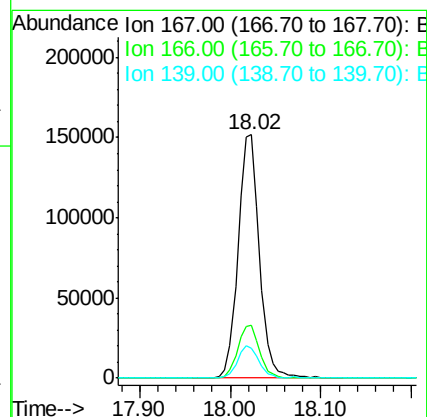
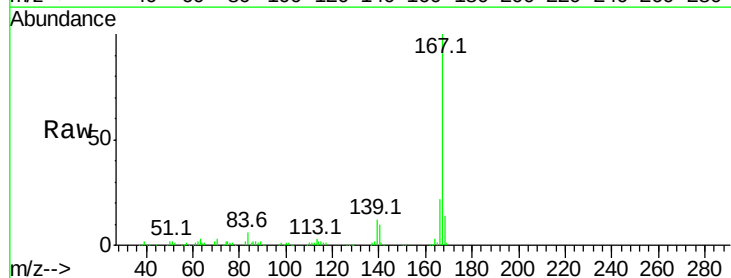
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT4-2017

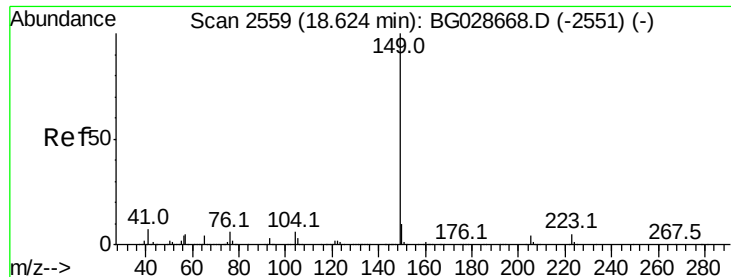
Tot Ion:178 Resp: 276586  
 Ion Ratio Lower Upper  
 178 100  
 176 19.1 16.4 24.6  
 179 14.7 13.8 20.8



#72  
 Carbazole  
 Concen: 20.577 ng  
 RT: 18.02 min Scan# 2457  
 Delta R.T. -0.08 min  
 Lab File: BG029013.D  
 Acq: 3 Oct 2017 20:01

Tgt Ion:167 Resp: 249798  
 Ion Ratio Lower Upper  
 167 100  
 166 21.6 20.2 30.2  
 139 12.4 12.8 19.2#

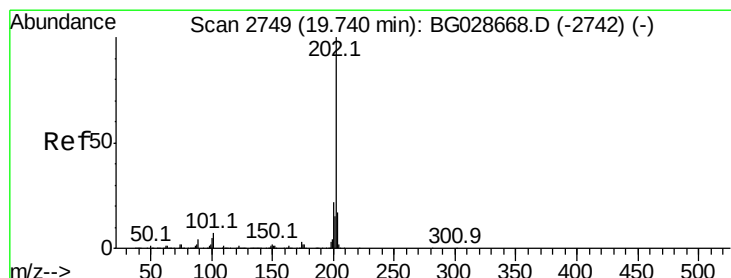
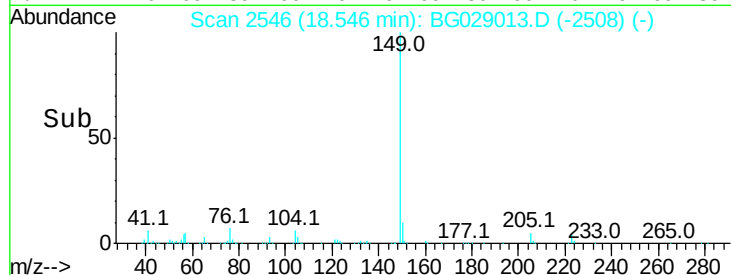
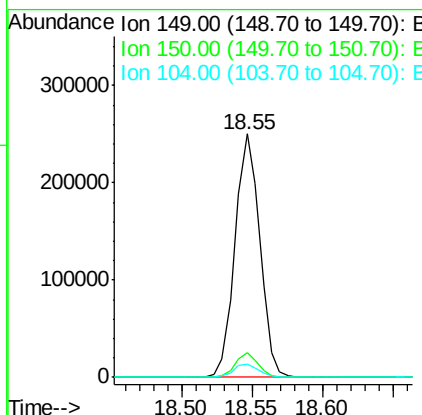
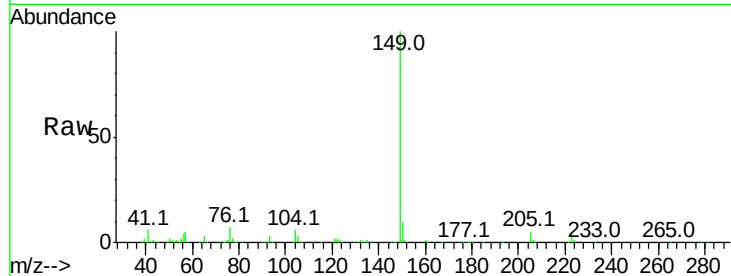




#73  
Di-n-butylphthalate  
Concen: 20.611 ng  
RT: 18.55 min Scan# 2546  
Delta R.T. -0.08 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

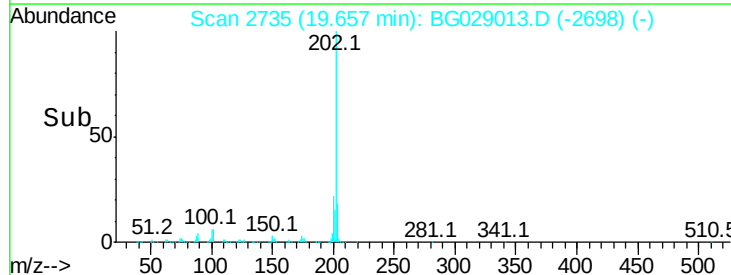
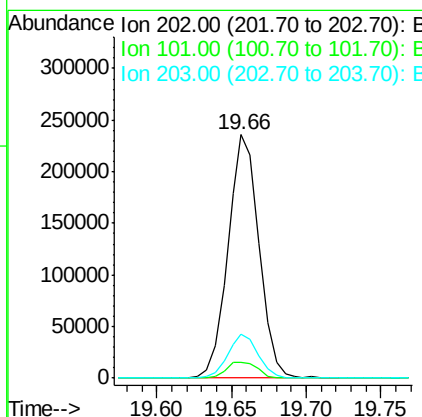
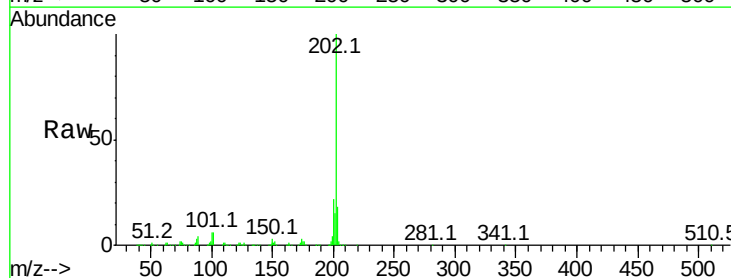
Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT4-2017

Tot Ion:149 Resp: 306799  
Ion Ratio Lower Upper  
149 100  
150 10.1 9.1 13.7  
104 5.6 6.7 10.1#

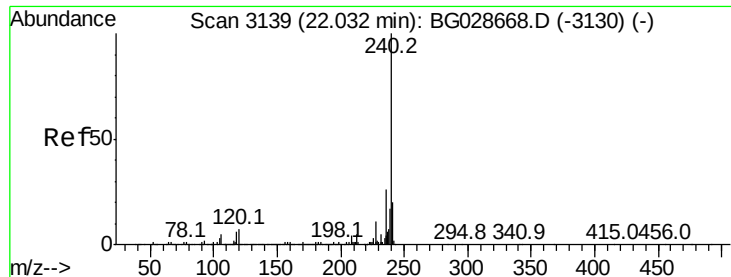


#74  
Fluoranthene  
Concen: 20.939 ng  
RT: 19.66 min Scan# 2735  
Delta R.T. -0.08 min  
Lab File: BG029013.D  
Acq: 3 Oct 2017 20:01

Tgt Ion:202 Resp: 341156  
Ion Ratio Lower Upper  
202 100  
101 6.3 0.0 30.1  
203 17.9 1.3 41.3







#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.92 min Scan# 3121

Delta R.T. -0.11 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT4-2017

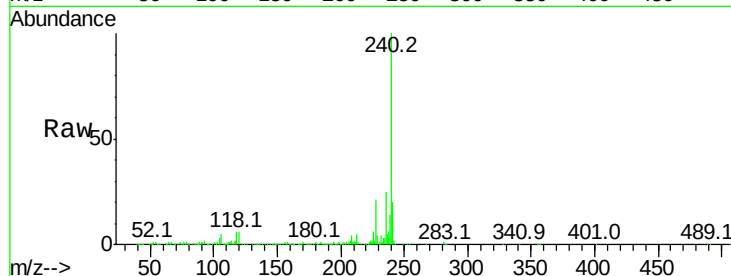
Tot Ion:240 Resp: 284883

Ion Ratio Lower Upper

240 100

120 6.3 5.7 8.5

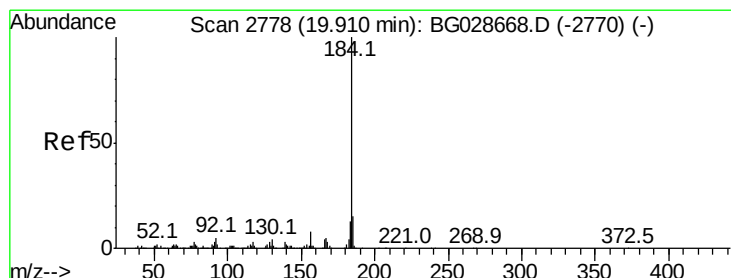
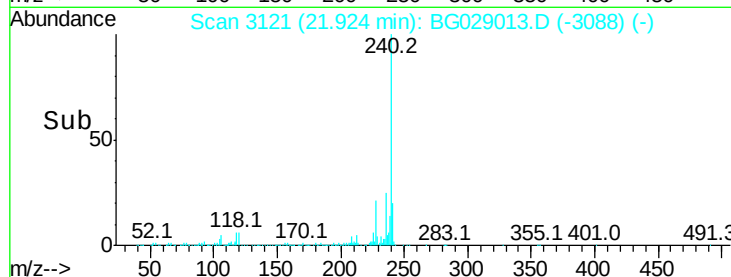
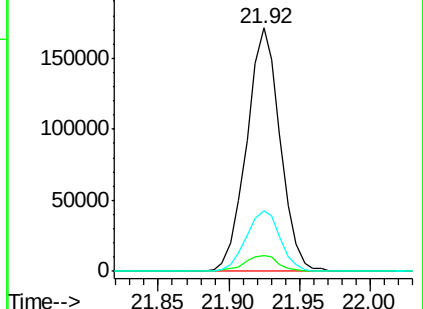
236 24.9 22.2 33.4



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



#76

Benzidine

Concen: 16.512 ng

RT: 19.83 min Scan# 2765

Delta R.T. -0.08 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

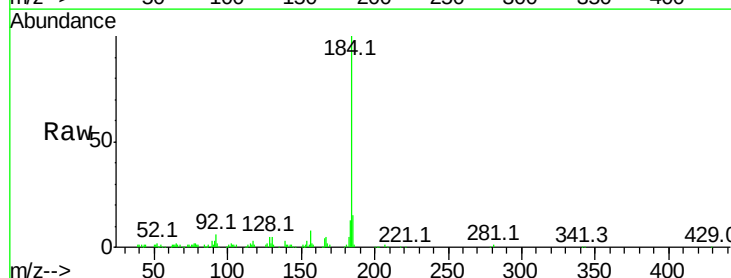
Tgt Ion:184 Resp: 121982

Ion Ratio Lower Upper

184 100

185 14.8 13.0 19.6

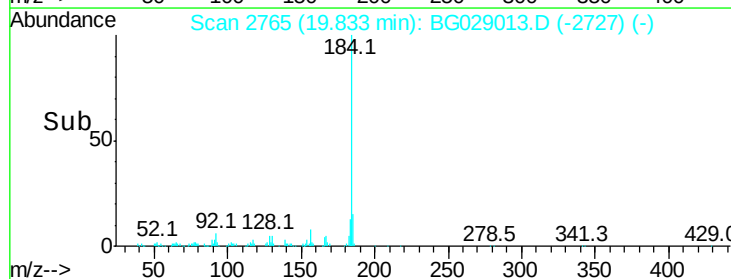
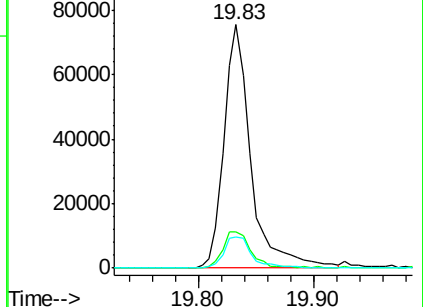
183 13.0 11.0 16.6

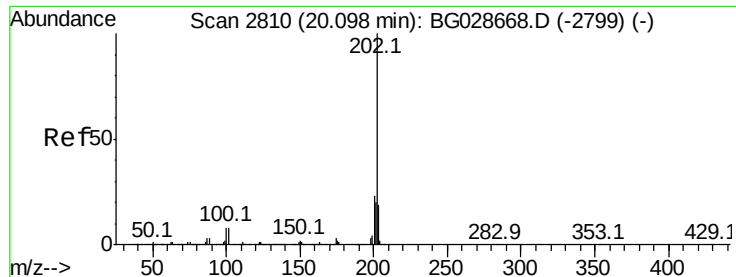


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 21.512 ng

RT: 20.02 min Scan# 2797

Delta R.T. -0.08 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Instrument :

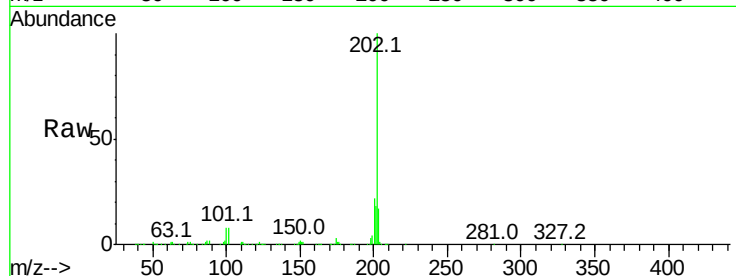
BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT4-2017

Tot Ion:202 Resp: 353486

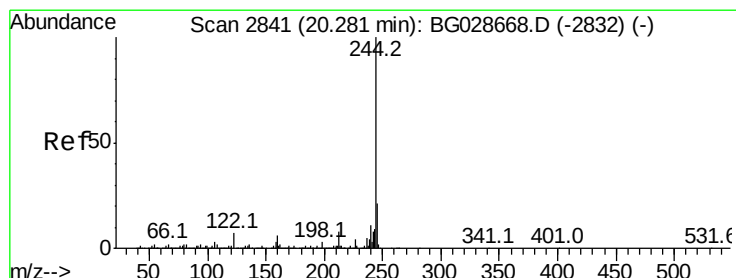
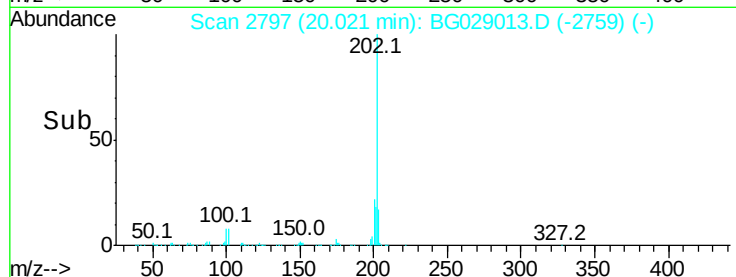
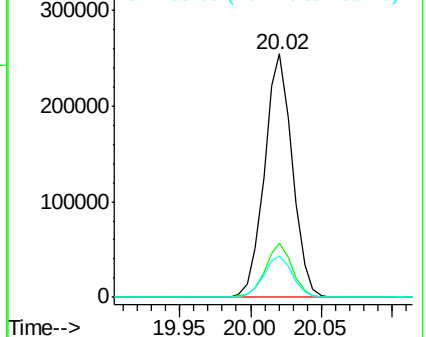
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 22.4  | 19.6  | 29.4  |
| 203 | 17.3  | 15.8  | 23.8  |



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



#78

Terphenyl-d14

Concen: 93.629 ng

RT: 20.20 min Scan# 2828

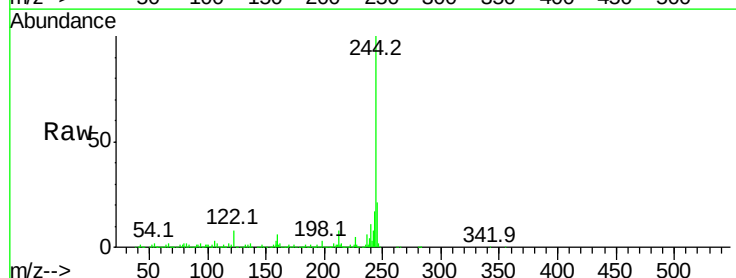
Delta R.T. -0.08 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Tgt Ion:244 Resp: 1250761

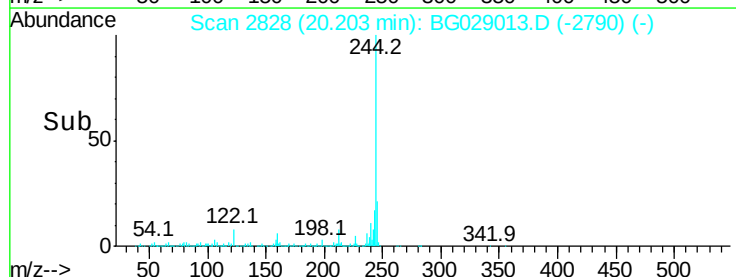
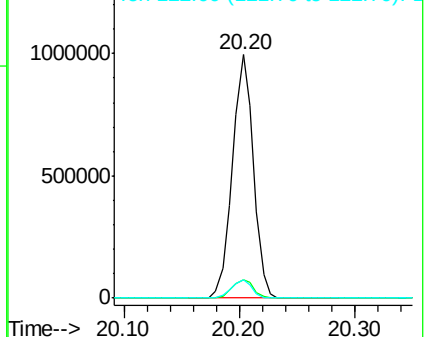
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.7   | 10.0  | 15.0# |
| 122 | 7.6   | 8.6   | 12.8# |

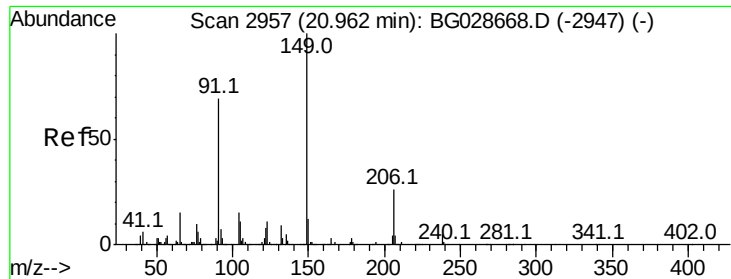


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 19.984 ng

RT: 20.88 min Scan# 2944

Delta R.T. -0.08 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT4-2017

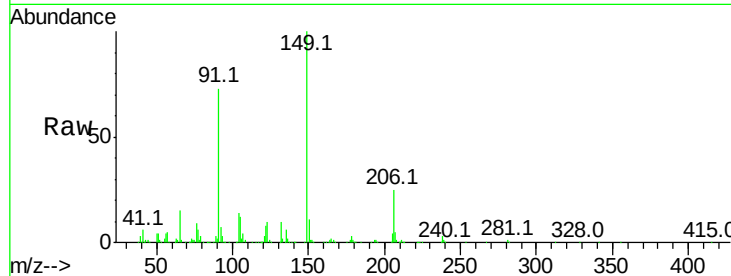
Tot Ion:149 Resp: 132625

Ion Ratio Lower Upper

149 100

91 73.2 63.5 95.3

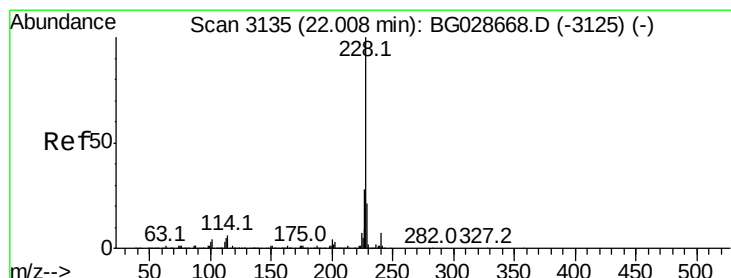
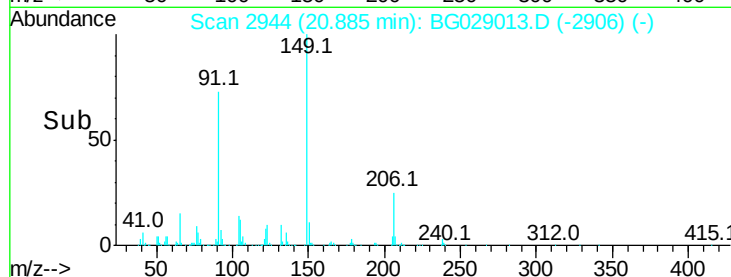
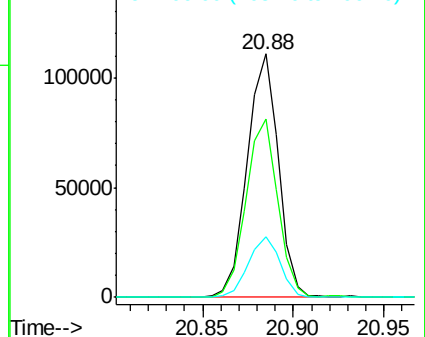
206 25.1 21.0 31.6



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



#80

Benzo(a)anthracene

Concen: 20.601 ng

RT: 21.90 min Scan# 3117

Delta R.T. -0.11 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

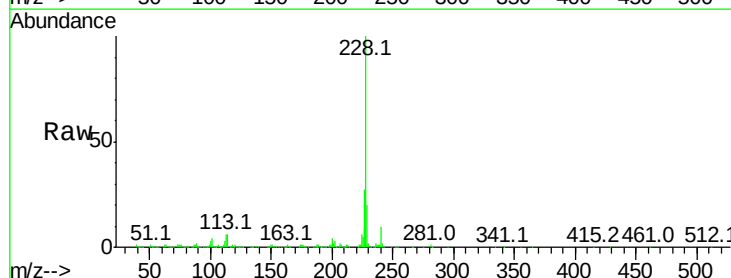
Tgt Ion:228 Resp: 353263

Ion Ratio Lower Upper

228 100

226 26.9 24.9 37.3

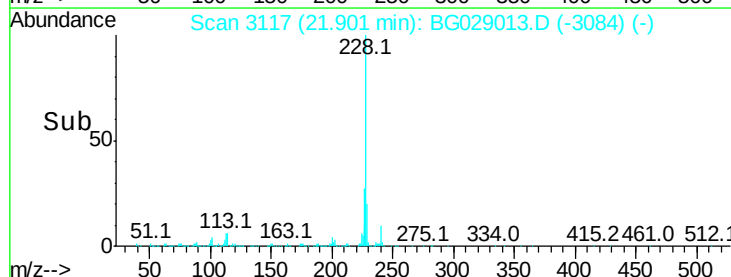
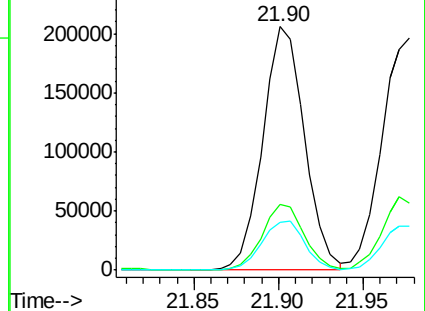
229 19.7 18.2 27.2

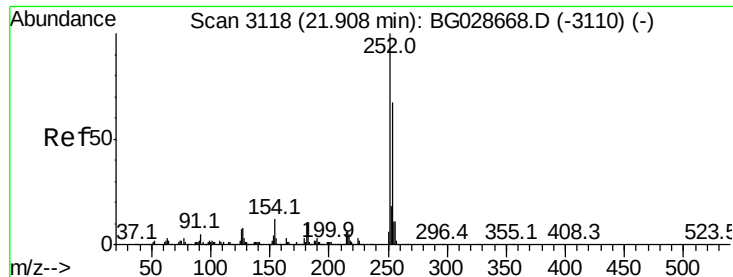


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

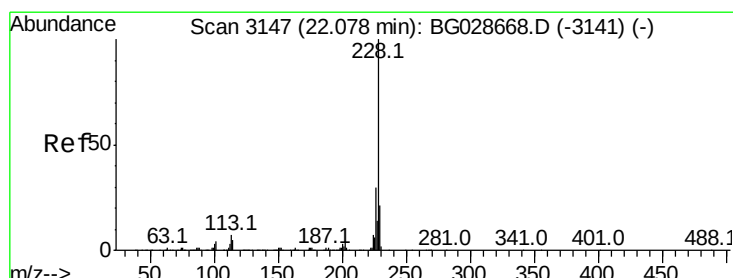
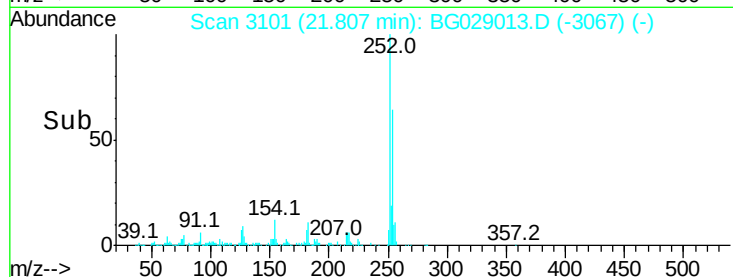
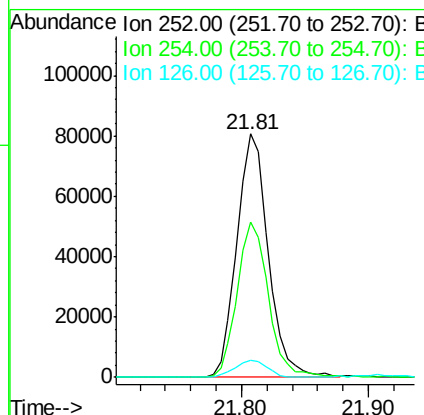
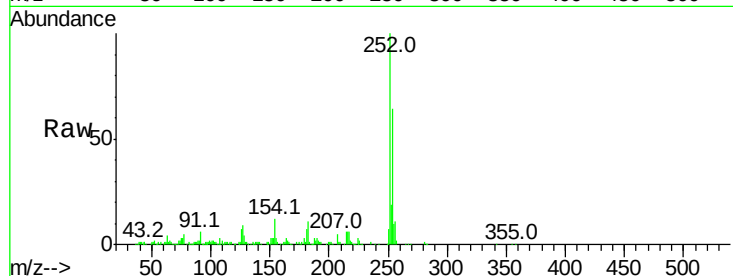




#81  
 3,3'-Dichlorobenzidine  
 Concen: 19.933 ng  
 RT: 21.81 min Scan# 3101  
 Delta R.T. -0.10 min  
 Lab File: BG029013.D  
 Acq: 3 Oct 2017 20:01

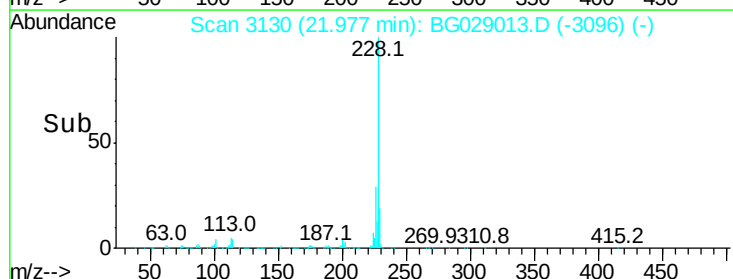
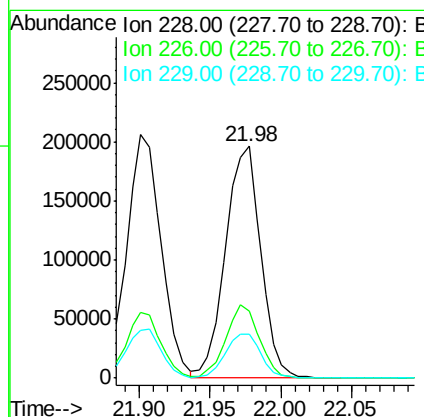
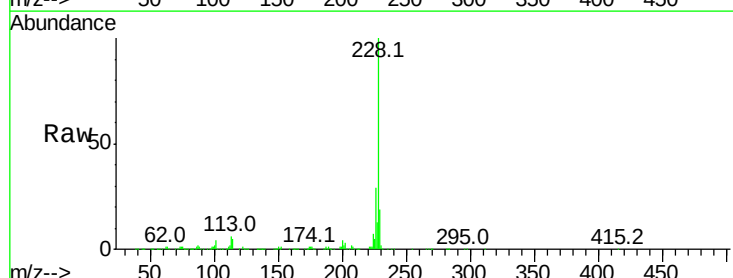
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT4-2017

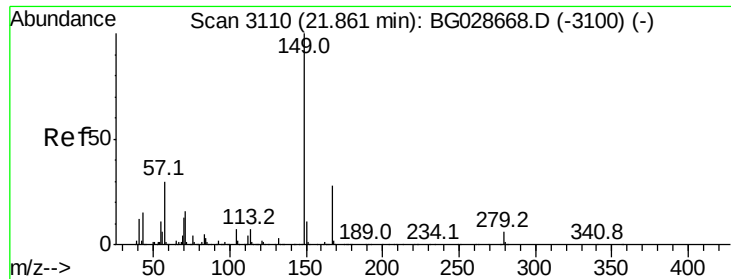
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 63.9  | 53.1  | 79.7  |
| 126     | 7.0   | 7.0   | 10.4  |



#82  
 Chrysene  
 Concen: 20.855 ng  
 RT: 21.98 min Scan# 3130  
 Delta R.T. -0.10 min  
 Lab File: BG029013.D  
 Acq: 3 Oct 2017 20:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.7  | 27.0  | 40.4  |
| 229     | 18.9  | 17.8  | 26.6  |

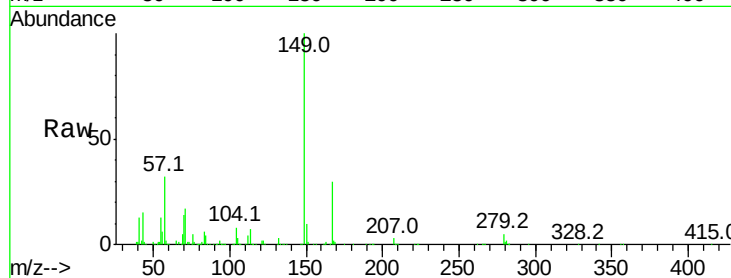




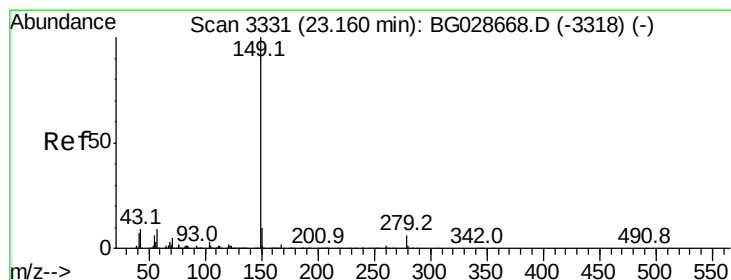
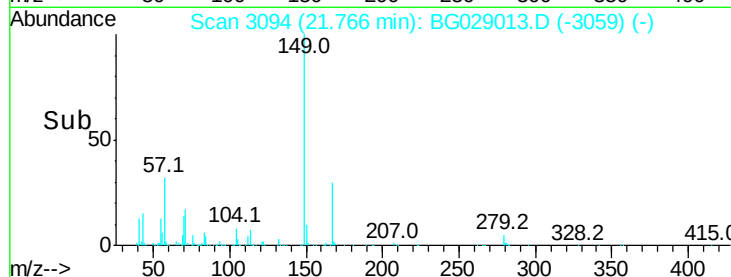
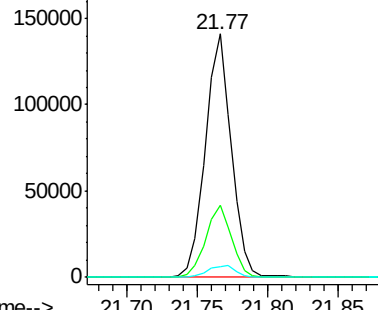
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 19.147 ng  
 RT: 21.77 min Scan# 3094  
 Delta R.T. -0.10 min  
 Lab File: BG029013.D  
 Acq: 3 Oct 2017 20:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT4-2017

Tot Ion:149 Resp: 180644  
 Ion Ratio Lower Upper  
 149 100  
 167 29.8 23.7 35.5  
 279 4.6 4.6 6.8#

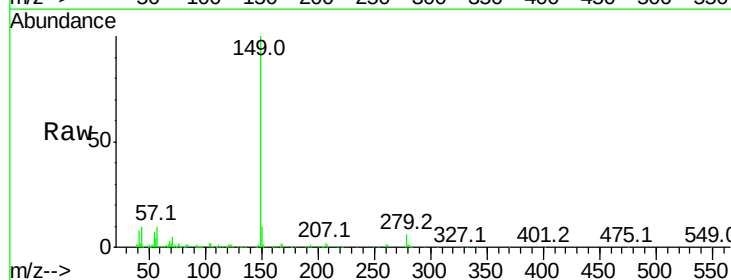


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

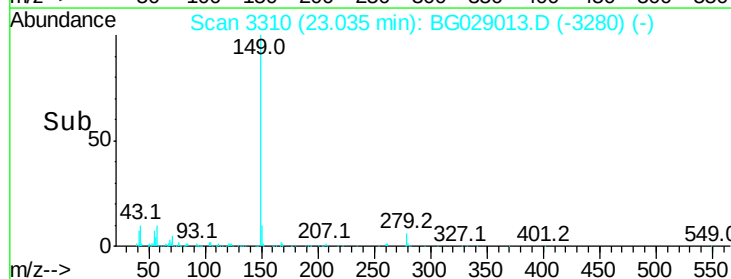
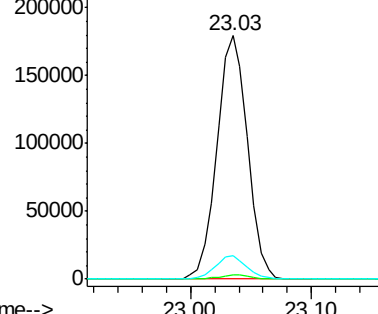


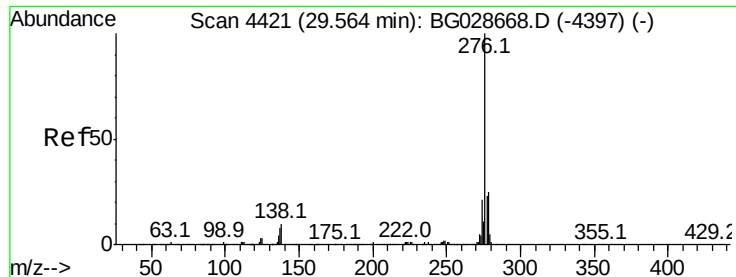
#84  
 Di-n-octyl phthalate  
 Concen: 19.132 ng  
 RT: 23.03 min Scan# 3310  
 Delta R.T. -0.12 min  
 Lab File: BG029013.D  
 Acq: 3 Oct 2017 20:01

Tgt Ion:149 Resp: 315369  
 Ion Ratio Lower Upper  
 149 100  
 167 1.7 1.4 2.2  
 43 10.3 11.8 17.6#



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): BG





#85

Indeno(1,2,3-cd)pyrene

Concen: 18.878 ng

RT: 29.26 min Scan# 4369

Delta R.T. -0.31 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT4-2017

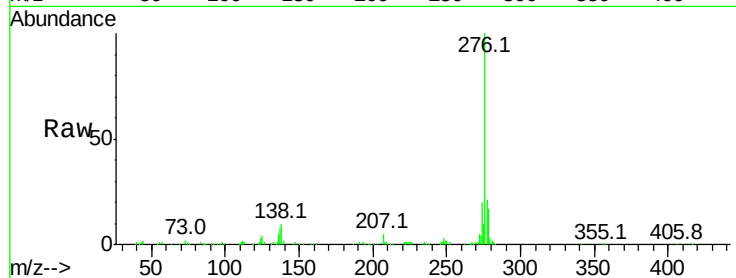
Tot Ion:276 Resp: 394652

Ion Ratio Lower Upper

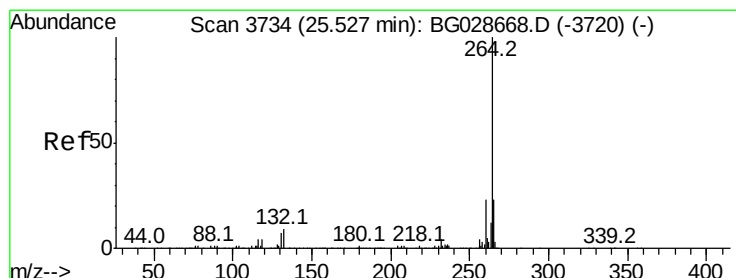
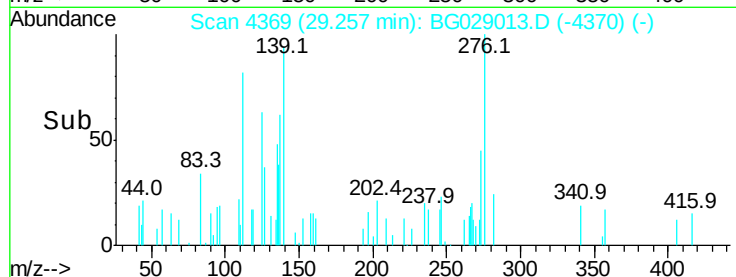
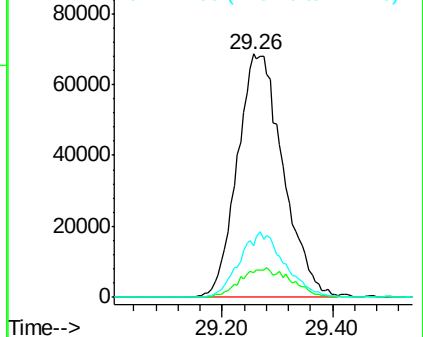
276 100

138 0.0 4.7 7.1#

277 0.0 20.6 31.0#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.34 min Scan# 3703

Delta R.T. -0.18 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

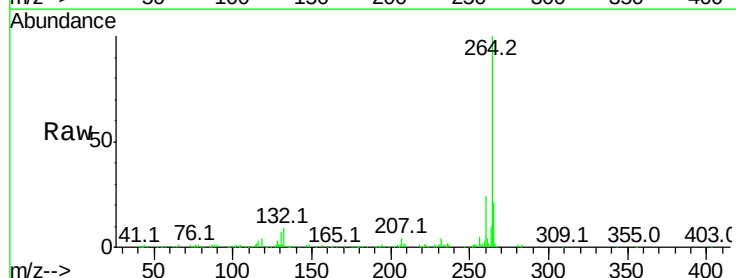
Tgt Ion:264 Resp: 282505

Ion Ratio Lower Upper

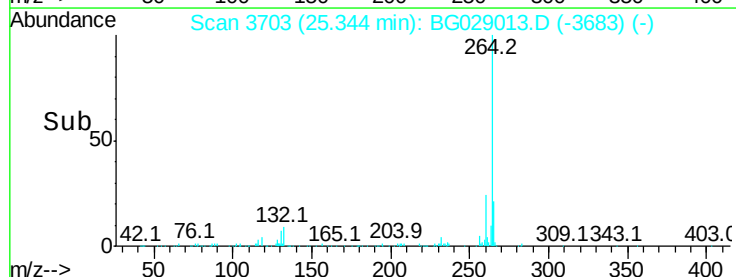
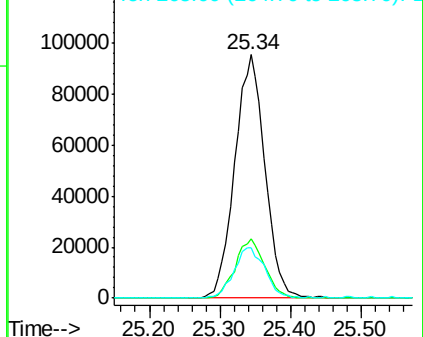
264 100

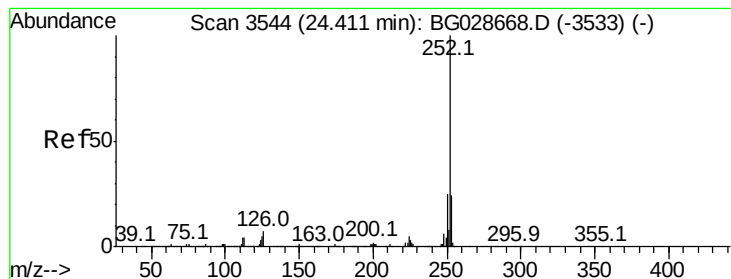
260 24.2 21.8 32.8

265 20.8 18.2 27.4



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 20.365 ng

RT: 24.25 min Scan# 3517

Delta R.T. -0.16 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT4-2017

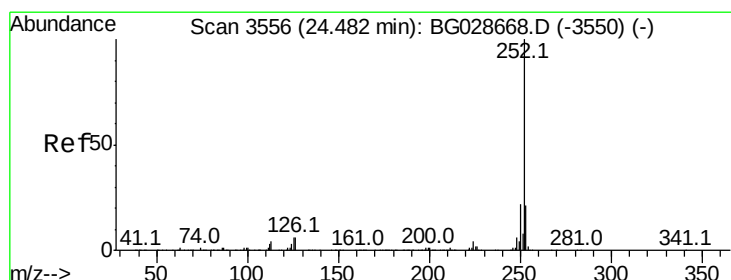
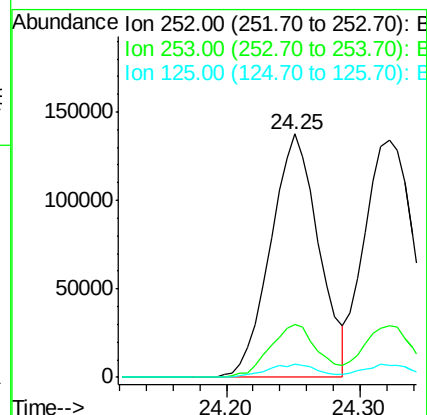
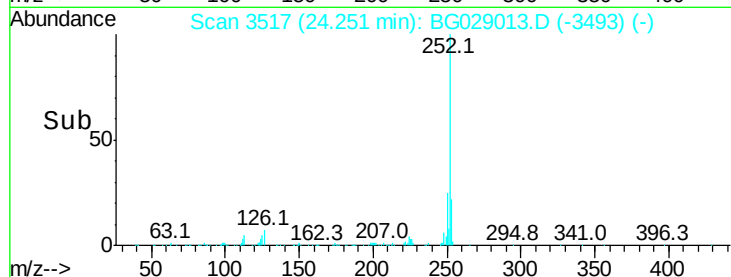
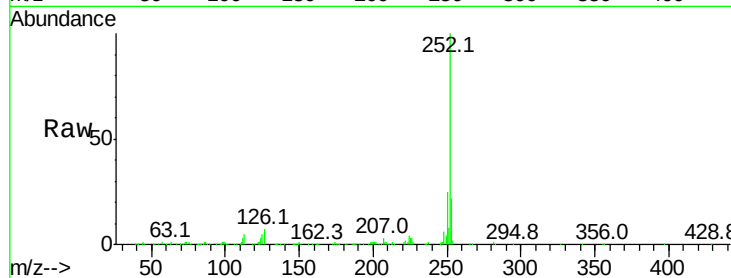
Tot Ion:252 Resp: 344696

Ion Ratio Lower Upper

252 100

253 21.7 18.7 28.1

125 5.4 5.3 7.9



#88

Benzo(k)fluoranthene

Concen: 20.288 ng

RT: 24.32 min Scan# 3529

Delta R.T. -0.16 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

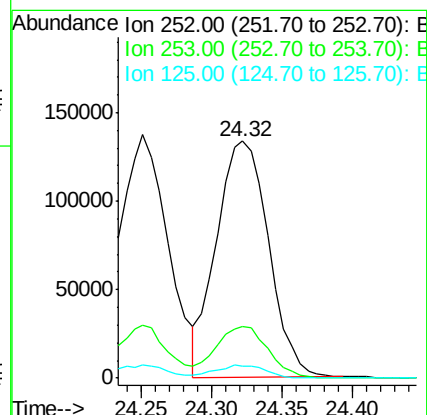
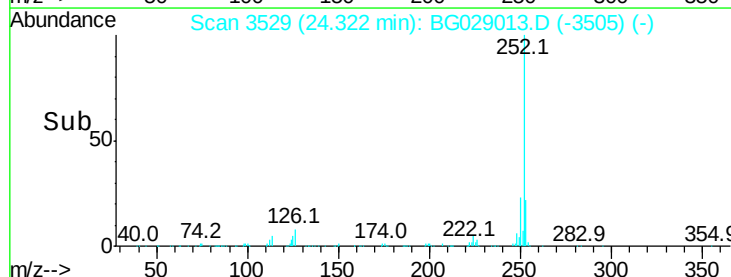
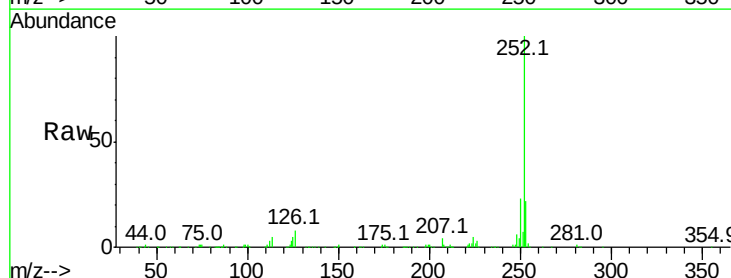
Tgt Ion:252 Resp: 342996

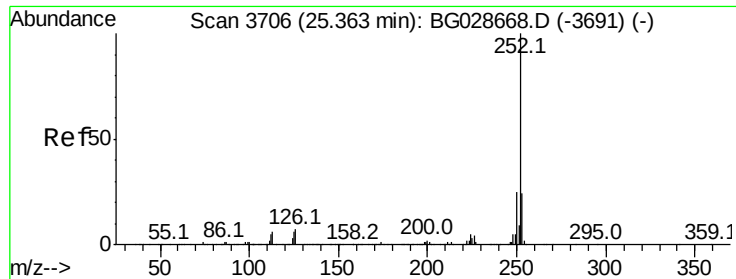
Ion Ratio Lower Upper

252 100

253 21.6 20.2 30.2

125 5.3 5.1 7.7





#89

Benzo(a)pyrene

Concen: 20.233 ng

RT: 25.18 min Scan# 3675

Delta R.T. -0.18 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT4-2017

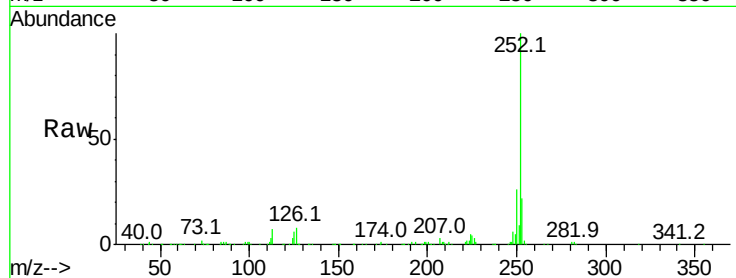
Tot Ion:252 Resp: 325052

Ion Ratio Lower Upper

252 100

253 22.1 19.2 28.8

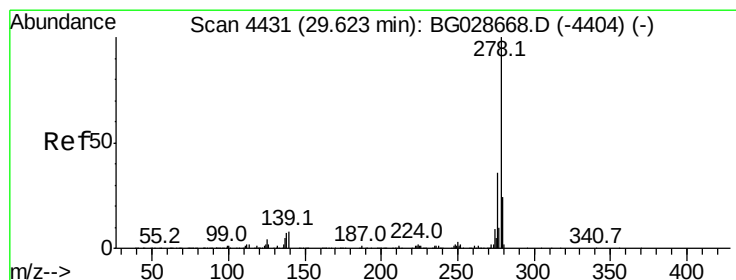
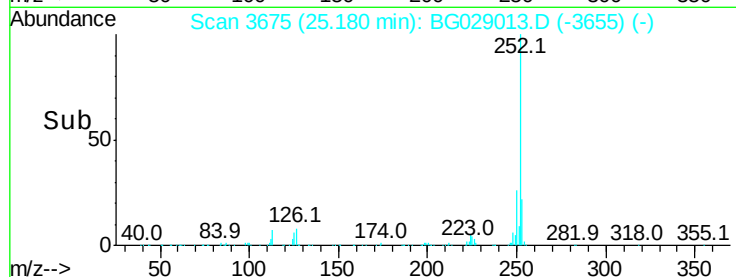
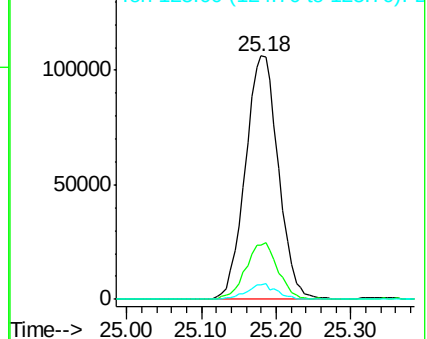
125 6.0 5.4 8.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 19.742 ng

RT: 29.32 min Scan# 4379

Delta R.T. -0.31 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

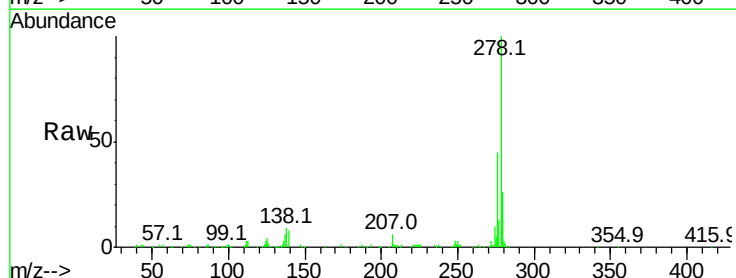
Tgt Ion:278 Resp: 330662

Ion Ratio Lower Upper

278 100

139 8.0 7.7 11.5

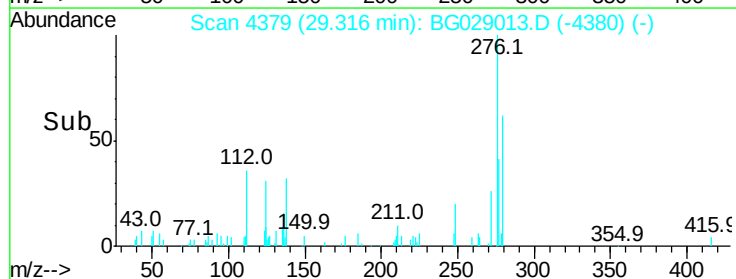
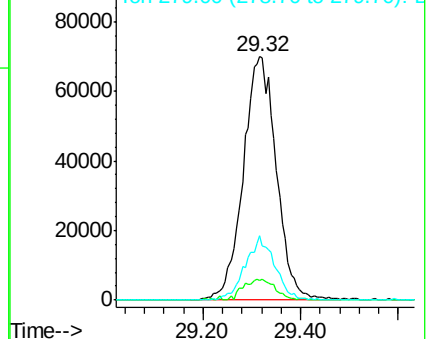
279 26.3 19.1 28.7



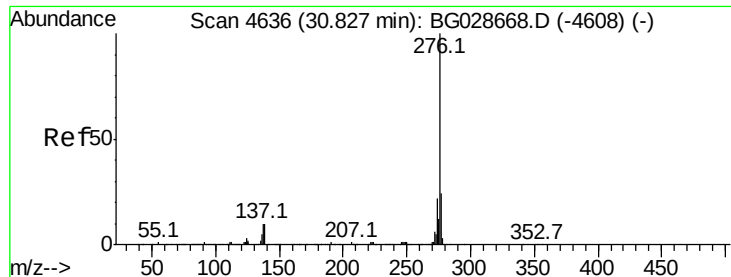
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E







#91

Benzo(a,h,i)perylene

Concen: 19.784 ng

RT: 30.49 min Scan# 4578

Delta R.T. -0.34 min

Lab File: BG029013.D

Acq: 3 Oct 2017 20:01

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT4-2017

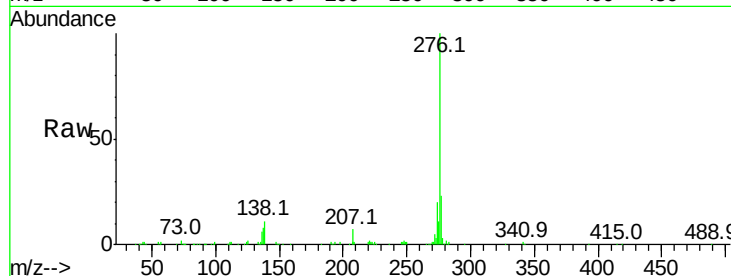
Tot Ion:276 Resp: 323328

Ion Ratio Lower Upper

276 100

277 22.7 18.6 27.8

138 11.1 8.1 12.1



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

