

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051115\  
 Data File : BG017049.D  
 Acq On : 11 May 2015 12:35  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Quant Time: May 12 04:13:19 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 12 04:00:00 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.76  | 152  | 54779    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.55 | 136  | 247423   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.41 | 164  | 164169   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.16 | 188  | 355064   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.34 | 240  | 365149   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.63 | 264  | 352284   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.35  | 112  | 258849   | 82.28 | ng    | 0.00     |
| 7) Phenol-d6                | 6.94  | 99   | 360487   | 80.20 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.92  | 82   | 416500   | 82.24 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.90 | 330  | 152509   | 92.54 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.03 | 172  | 861951   | 79.23 | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.79 | 244  | 1377302  | 88.42 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.23  | 88   | 51200    | 38.83 | ng    | # 1    |
| 3) Pyridine                    | 3.63  | 79   | 160479   | 39.37 | ng    | 99     |
| 4) n-Nitrosodimethylamine      | 3.55  | 42   | 102610   | 42.17 | ng    | # 94   |
| 6) Aniline                     | 7.09  | 93   | 246521   | 39.06 | ng    | 98     |
| 8) 2-Chlorophenol              | 7.33  | 128  | 150930   | 41.41 | ng    | 91     |
| 9) Benzaldehyde                | 6.90  | 77   | 115100   | 35.74 | ng    | 99     |
| 10) Phenol                     | 6.97  | 94   | 190670   | 39.56 | ng    | 97     |
| 11) bis(2-Chloroethyl)ether    | 7.19  | 93   | 143113   | 38.40 | ng    | 93     |
| 12) 1,3-Dichlorobenzene        | 7.64  | 146  | 162448   | 40.42 | ng    | 97     |
| 13) 1,4-Dichlorobenzene        | 7.79  | 146  | 167134   | 41.06 | ng    | 96     |
| 14) 1,2-Dichlorobenzene        | 8.11  | 146  | 155965   | 39.92 | ng    | 98     |
| 15) Benzyl Alcohol             | 8.00  | 79   | 164831   | 40.15 | ng    | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.30  | 45   | 228969   | 33.19 | ng    | 97     |
| 17) 2-Methylphenol             | 8.22  | 107  | 136348   | 40.17 | ng    | 99     |
| 18) Hexachloroethane           | 8.83  | 117  | 66669    | 39.84 | ng    | 94     |
| 19) n-Nitroso-di-n-propylamine | 8.57  | 70   | 154125   | 39.11 | ng    | 96     |
| 20) 3+4-Methylphenols          | 8.54  | 107  | 188330   | 40.27 | ng    | 91     |
| 22) Acetophenone               | 8.58  | 105  | 236069   | 40.06 | ng    | 95     |
| 24) Nitrobenzene               | 8.96  | 77   | 207487   | 40.57 | ng    | 98     |
| 25) Isophorone                 | 9.48  | 82   | 407380   | 39.84 | ng    | 97     |
| 26) 2-Nitrophenol              | 9.67  | 139  | 93863    | 45.07 | ng    | 94     |
| 27) 2,4-Dimethylphenol         | 9.74  | 122  | 154612   | 41.02 | ng    | 98     |
| 28) bis(2-Chloroethoxy)methane | 9.97  | 93   | 203988   | 39.52 | ng    | 97     |
| 29) 2,4-Dichlorophenol         | 10.22 | 162  | 148123   | 41.60 | ng    | 96     |
| 30) 1,2,4-Trichlorobenzene     | 10.41 | 180  | 154702   | 40.97 | ng    | 99     |
| 31) Naphthalene                | 10.60 | 128  | 481041   | 39.09 | ng    | 99     |
| 32) Benzoic acid               | 9.89  | 122  | 116498   | 50.34 | ng    | 94     |
| 33) 4-Chloroaniline            | 10.72 | 127  | 235475   | 41.43 | ng    | 99     |
| 34) Hexachlorobutadiene        | 10.89 | 225  | 96455    | 40.82 | ng    | 95     |
| 35) Caprolactam                | 11.50 | 113  | 82877    | 44.81 | ng    | 89     |
| 36) 4-Chloro-3-methylphenol    | 11.87 | 107  | 187809   | 41.19 | ng    | 98     |
| 37) 2-Methylnaphthalene        | 12.22 | 142  | 375571   | 40.07 | ng    | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.59 | 216  | 177503   | 40.00 | ng    | # 100  |
| 40) Hexachlorocyclopentadiene  | 12.57 | 237  | 106566   | 37.18 | ng    | 97     |

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.84 | 196  | 133893   | 42.57 | nq    | 90       |
| 43) 2,4,5-Trichlorophenol      | 12.93 | 196  | 137712   | 41.25 | nq    | 99       |
| 45) 1,1'-Biphenyl              | 13.24 | 154  | 465180   | 39.58 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 13.28 | 162  | 370224   | 39.77 | nq    | 97       |
| 47) 2-Nitroaniline             | 13.50 | 65   | 150417   | 46.42 | nq    | 98       |
| 48) Acenaphthylene             | 14.13 | 152  | 647992   | 39.97 | nq    | 99       |
| 49) Dimethylphthalate          | 13.87 | 163  | 506195   | 41.29 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 13.99 | 165  | 118130   | 46.41 | nq    | 96       |
| 51) Acenaphthene               | 14.47 | 154  | 373073   | 38.66 | nq    | 97       |
| 52) 3-Nitroaniline             | 14.32 | 138  | 130242   | 44.98 | nq    | 97       |
| 53) 2,4-Dinitrophenol          | 14.52 | 184  | 63670    | 54.69 | nq    | 95       |
| 54) Dibenzofuran               | 14.81 | 168  | 553201   | 40.38 | nq    | 96       |
| 55) 4-Nitrophenol              | 14.67 | 139  | 109768   | 44.71 | nq    | 94       |
| 56) 2,4-Dinitrotoluene         | 14.78 | 165  | 163206   | 50.12 | nq    | 97       |
| 57) Fluorene                   | 15.46 | 166  | 489342   | 40.34 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.04 | 232  | 124644   | 43.27 | nq    | # 79     |
| 59) Diethylphthalate           | 15.24 | 149  | 542821   | 41.95 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.45 | 204  | 248751   | 40.81 | nq    | 97       |
| 61) 4-Nitroaniline             | 15.49 | 138  | 150349   | 44.79 | nq    | 92       |
| 62) Azobenzene                 | 15.75 | 77   | 518244   | 38.67 | nq    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 15.54 | 198  | 98289    | 55.83 | nq    | 97       |
| 65) n-Nitrosodiphenylamine     | 15.67 | 169  | 444812   | 41.04 | nq    | 96       |
| 66) 4-Bromophenyl-phenylether  | 16.35 | 248  | 148336   | 41.62 | nq    | 94       |
| 67) Hexachlorobenzene          | 16.46 | 284  | 161284   | 42.92 | nq    | 94       |
| 68) Atrazine                   | 16.63 | 200  | 168688   | 43.25 | nq    | 98       |
| 69) Pentachlorophenol          | 16.81 | 266  | 101802   | 41.72 | nq    | 97       |
| 70) Phenanthrene               | 17.20 | 178  | 743528   | 40.69 | nq    | 99       |
| 71) Anthracene                 | 17.29 | 178  | 757225   | 41.08 | nq    | 98       |
| 72) Carbazole                  | 17.56 | 167  | 715601   | 40.83 | nq    | 99       |
| 73) Di-n-butylphthalate        | 18.13 | 149  | 956423   | 42.10 | nq    | 99       |
| 74) Fluoranthene               | 19.22 | 202  | 881179   | 41.57 | nq    | 98       |
| 76) Benzidine                  | 19.41 | 184  | 482489   | 38.89 | nq    | 99       |
| 77) Pyrene                     | 19.58 | 202  | 892396   | 41.41 | nq    | 99       |
| 79) Butylbenzylphthalate       | 20.48 | 149  | 425648   | 41.56 | nq    | 96       |
| 80) Benzo(a)anthracene         | 21.32 | 228  | 834156   | 42.58 | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.26 | 252  | 325680   | 42.58 | nq    | 98       |
| 82) Chrysene                   | 21.37 | 228  | 776697   | 42.33 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.25 | 149  | 594545   | 42.43 | nq    | 100      |
| 84) Di-n-octyl phthalate       | 22.14 | 149  | 996007   | 42.32 | nq    | # 100    |
| 85) Indeno(1,2,3-cd)pyrene     | 25.99 | 276  | 925658   | 42.34 | nq    | # 100    |
| 87) Benzo(b)fluoranthene       | 22.94 | 252  | 827970   | 42.19 | nq    | 97       |
| 88) Benzo(k)fluoranthene       | 22.98 | 252  | 779306   | 41.28 | nq    | 99       |
| 89) Benzo(a)pyrene             | 23.53 | 252  | 760970   | 41.58 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 26.00 | 278  | 784706   | 41.98 | nq    | 97       |
| 91) Benzo(g,h,i)perylene       | 26.71 | 276  | 745709   | 41.89 | nq    | 97       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.76 min Scan# 862

Delta R.T. 0.00 min

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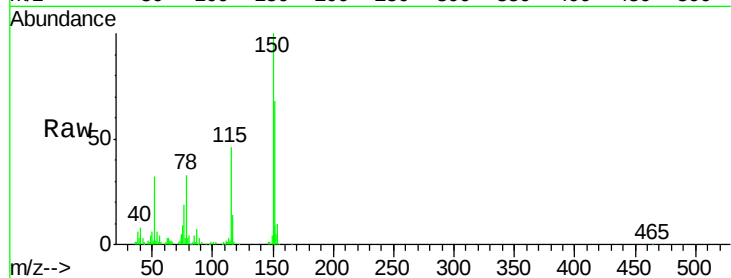
Tot Ion:152 Resp: 54779

Ion Ratio Lower Upper

152 100

150 147.3 121.0 181.4

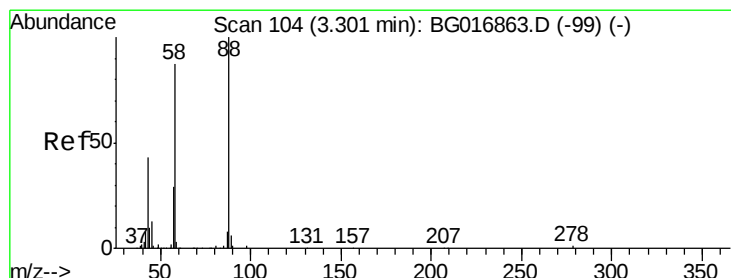
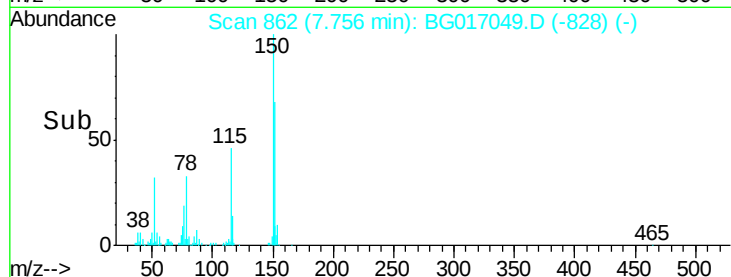
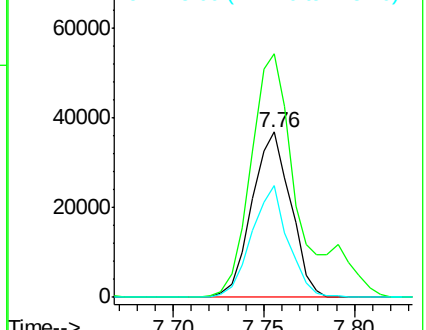
115 67.5 50.5 75.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 38.83 ng

RT: 3.23 min Scan# 92

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

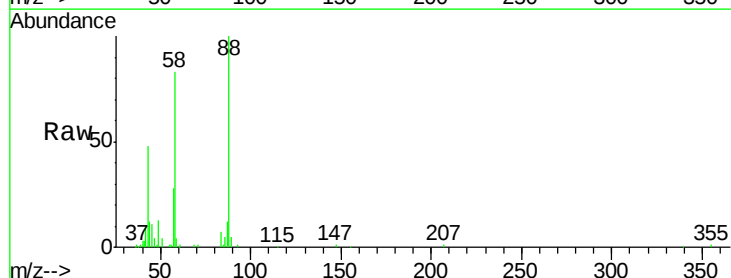
Tgt Ion: 88 Resp: 51200

Ion Ratio Lower Upper

88 100

58 80.3 0.1 0.1#

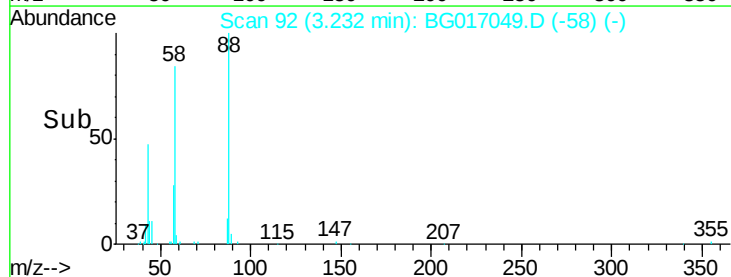
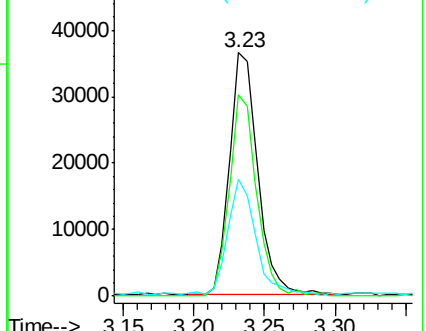
43 49.1 1.3 1.9#



Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 39.37 ng

RT: 3.63 min Scan# 160

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

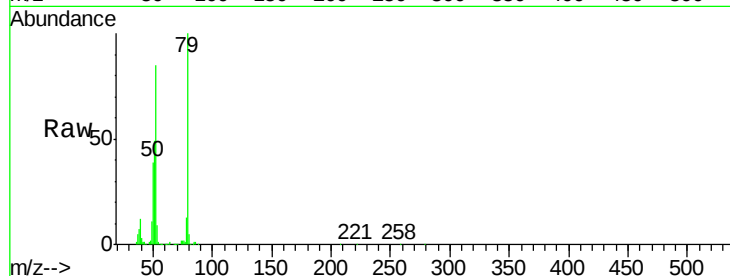
Tot Ion: 79 Resp: 160479

Ion Ratio Lower Upper

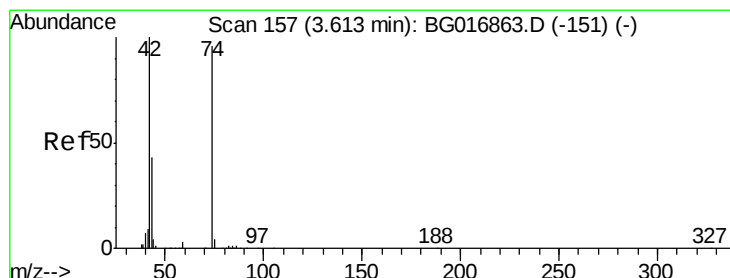
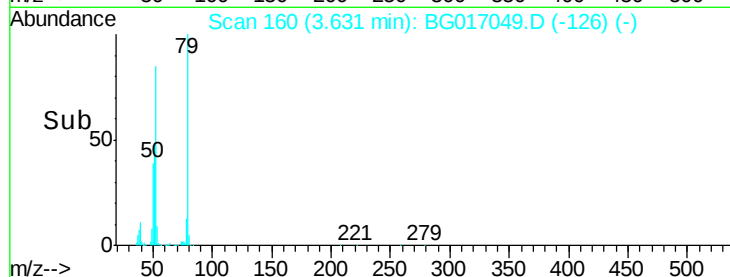
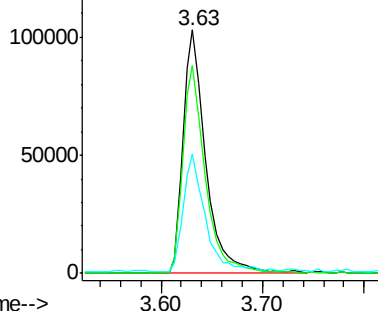
79 100

52 85.5 68.5 102.7

51 49.0 37.8 56.8



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: 42.17 ng

RT: 3.55 min Scan# 146

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

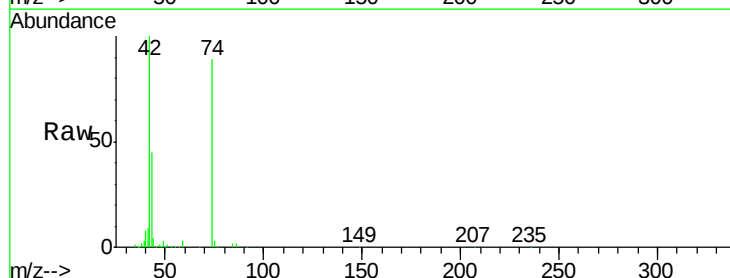
Tgt Ion: 42 Resp: 102610

Ion Ratio Lower Upper

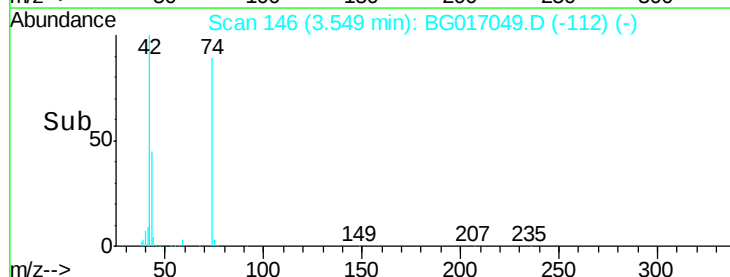
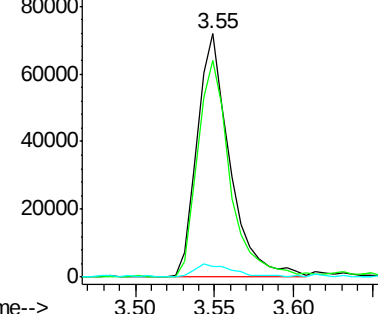
42 100

74 89.2 76.2 114.2

44 4.3 4.9 7.3#



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: 82.28 ng

RT: 5.35 min Scan# 452

Delta R.T. 0.00 min

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Acq: 11 May 2015 12:35

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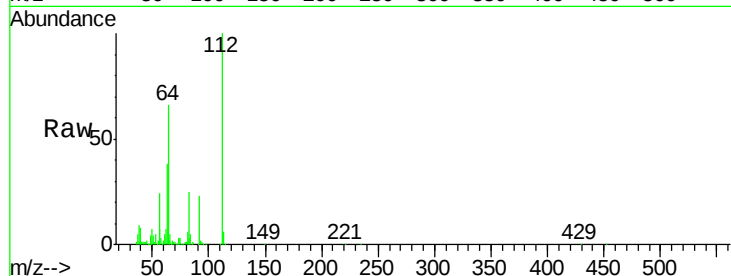
Tot Ion:112 Resp: 258849

Ion Ratio Lower Upper

112 100

64 66.3 51.4 77.2

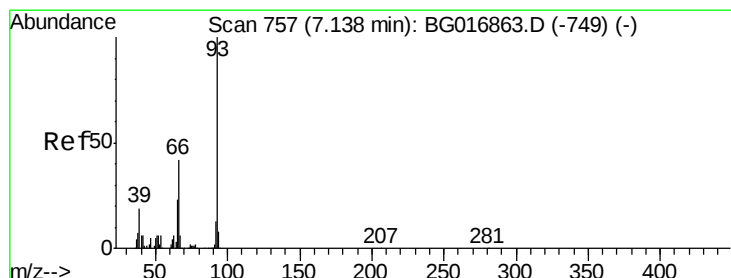
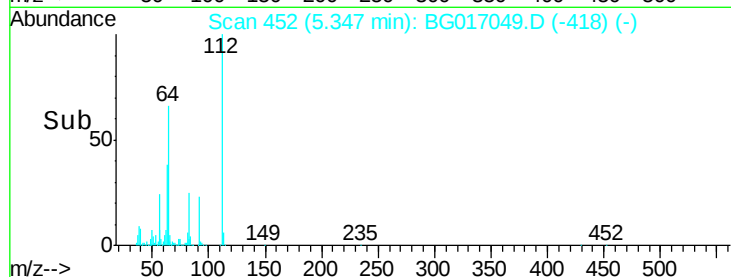
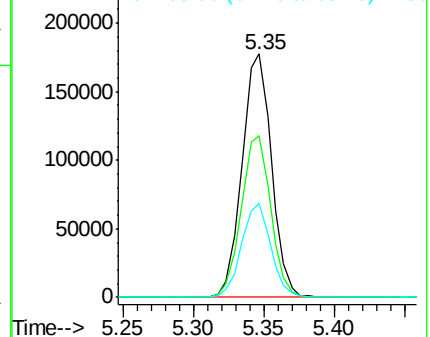
63 38.3 28.1 42.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 39.06 ng

RT: 7.09 min Scan# 748

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

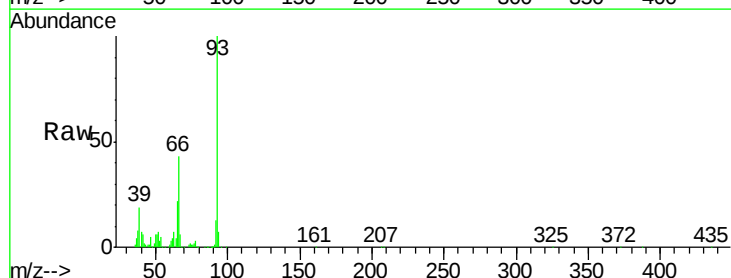
Tgt Ion: 93 Resp: 246521

Ion Ratio Lower Upper

93 100

66 42.6 33.8 50.6

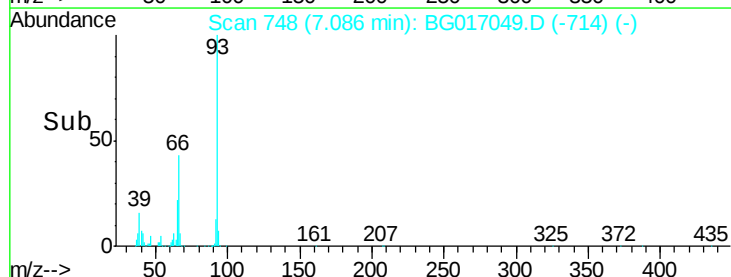
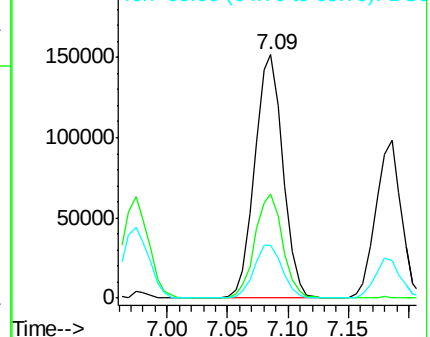
65 21.8 18.7 28.1

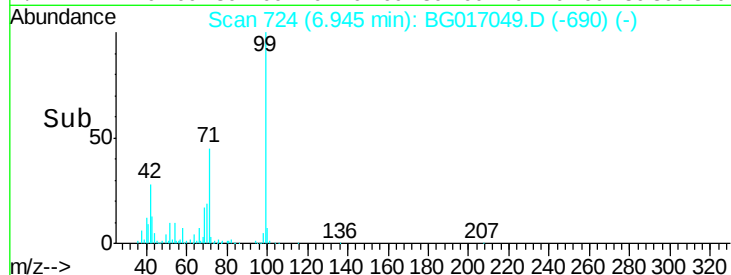
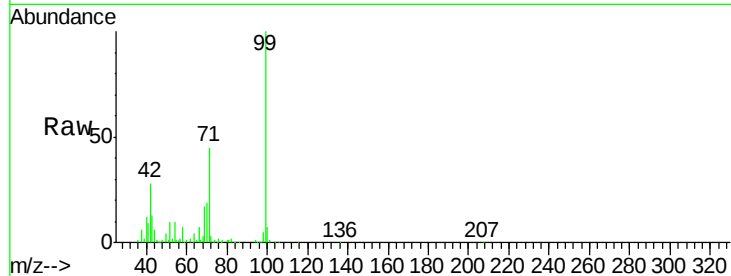


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 80.20 ng

RT: 6.94 min Scan# 724

Delta R.T. 0.00 min

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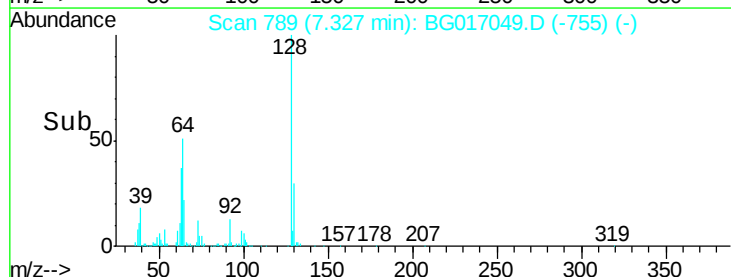
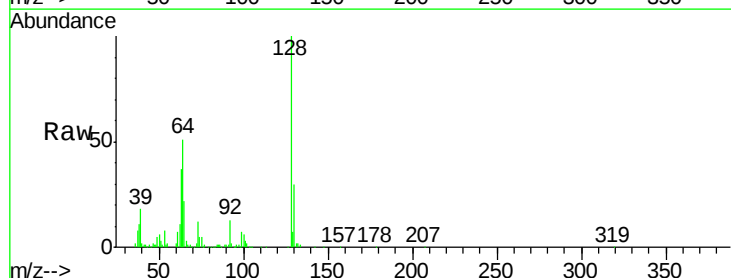
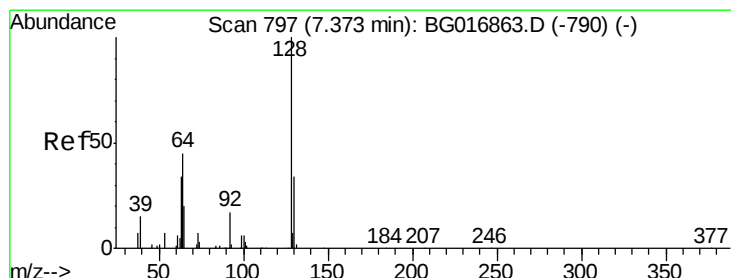
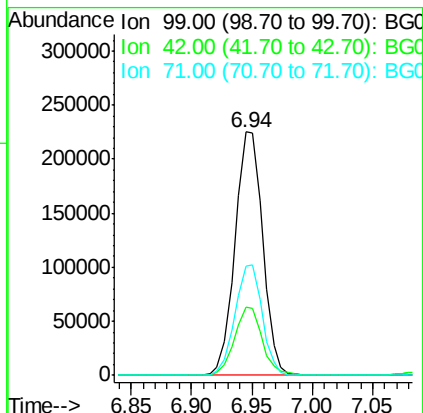
Tot Ion: 99 Resp: 360487

Ion Ratio Lower Upper

99 100

42 28.1 22.1 33.1

71 44.6 33.4 50.0



#8

2-Chlorophenol

Concen: 41.41 ng

RT: 7.33 min Scan# 789

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

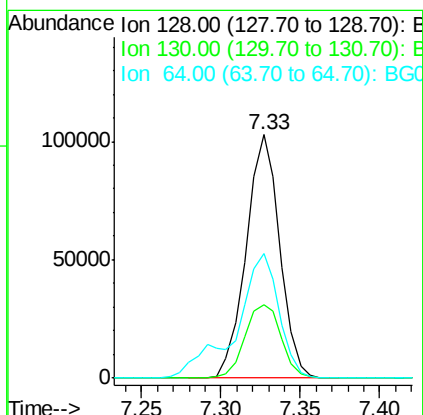
Tgt Ion: 128 Resp: 150930

Ion Ratio Lower Upper

128 100

130 30.1 14.4 54.4

64 51.4 38.4 78.4





#9

Benzaldehyde

Concen: 35.74 ng

RT: 6.90 min Scan# 716

Delta R.T. 0.00 min

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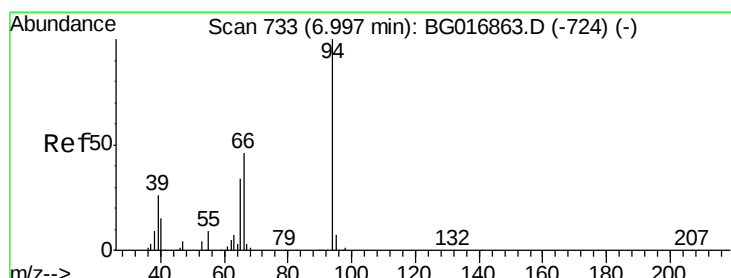
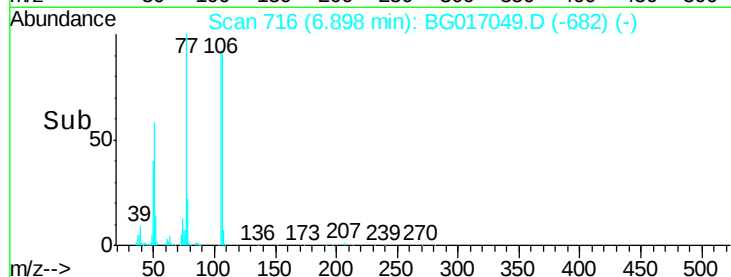
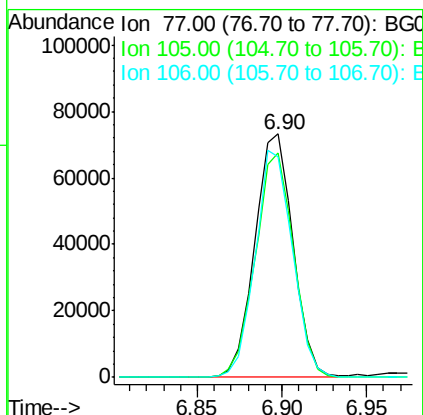
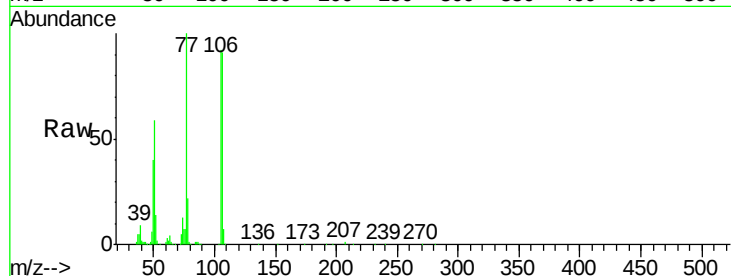
Tot Ion: 77 Resp: 115100

Ion Ratio Lower Upper

77 100

105 92.4 71.6 111.6

106 90.7 71.5 111.5



#10

Phenol

Concen: 39.56 ng

RT: 6.97 min Scan# 729

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

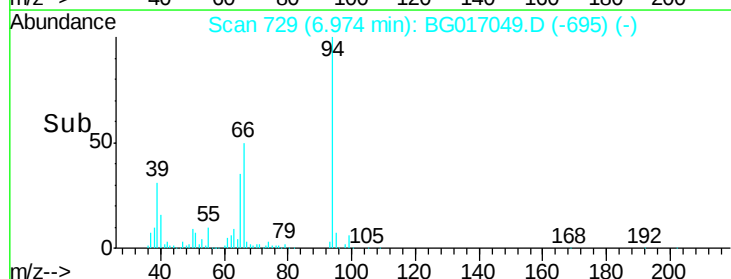
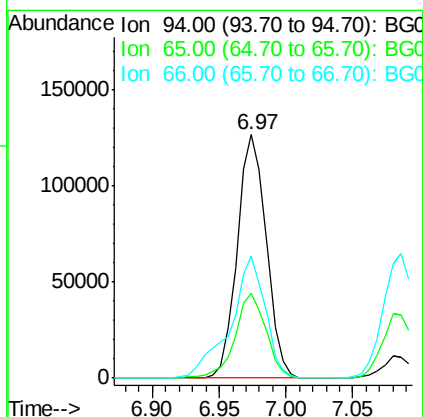
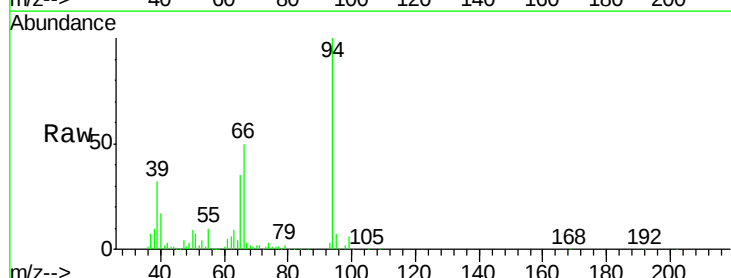
Tgt Ion: 94 Resp: 190670

Ion Ratio Lower Upper

94 100

65 35.0 14.3 54.3

66 49.9 26.9 66.9

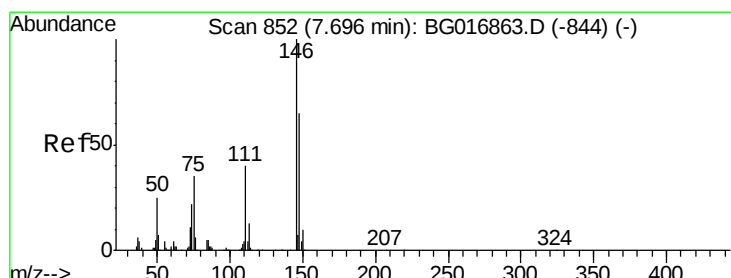
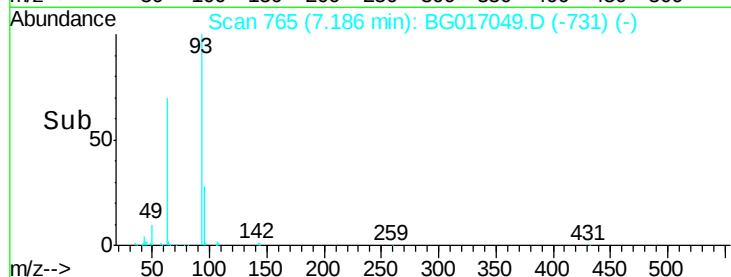
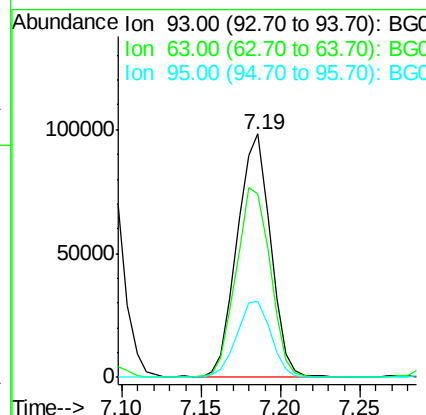
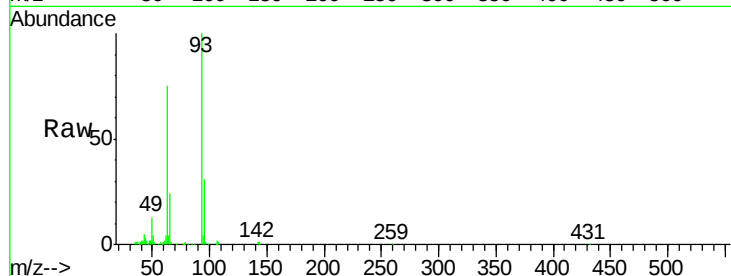




#11  
bis(2-Chloroethyl)ether  
Concen: 38.40 ng  
RT: 7.19 min Scan# 765  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

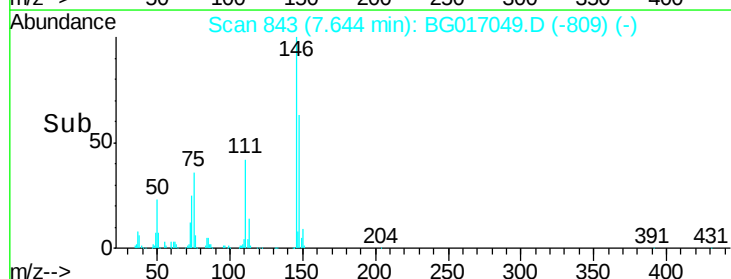
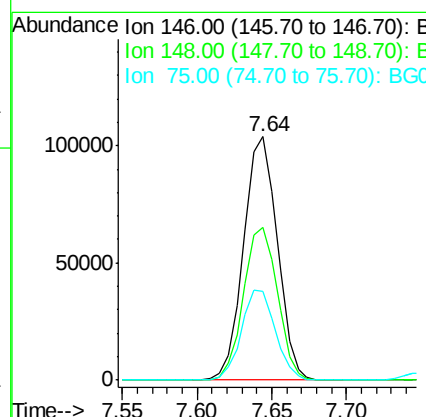
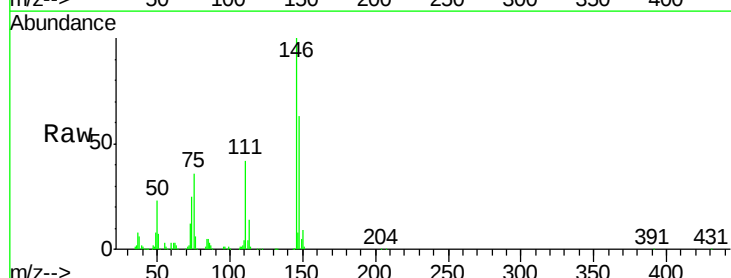
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

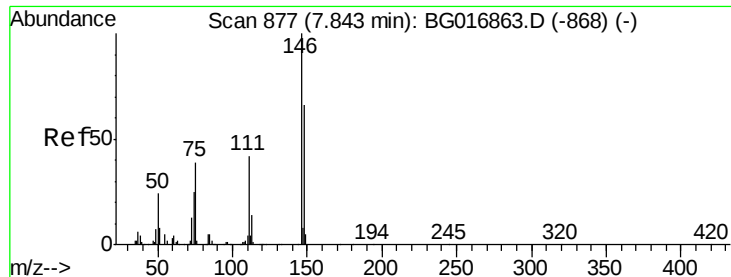
Tot Ion: 93 Resp: 143113  
Ion Ratio Lower Upper  
93 100  
63 75.2 61.2 101.2  
95 31.2 15.0 55.0



#12  
1,3-Dichlorobenzene  
Concen: 40.42 ng  
RT: 7.64 min Scan# 843  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

Tgt Ion: 146 Resp: 162448  
Ion Ratio Lower Upper  
146 100  
148 62.6 51.9 77.9  
75 36.2 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 41.06 ng

RT: 7.79 min Scan# 868

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

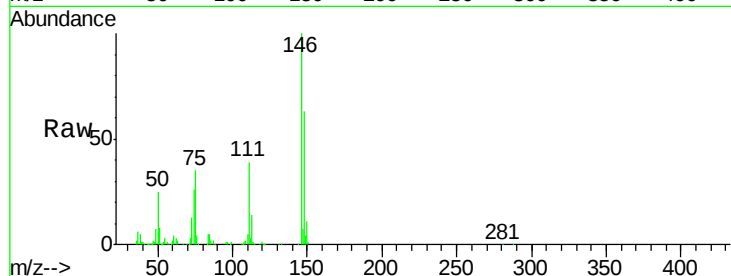
Tot Ion:146 Resp: 167134

Ion Ratio Lower Upper

146 100

148 63.2 52.8 79.2

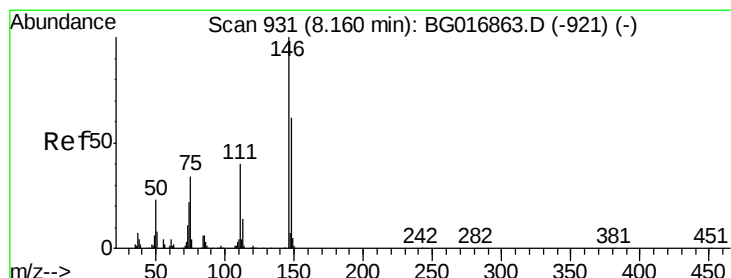
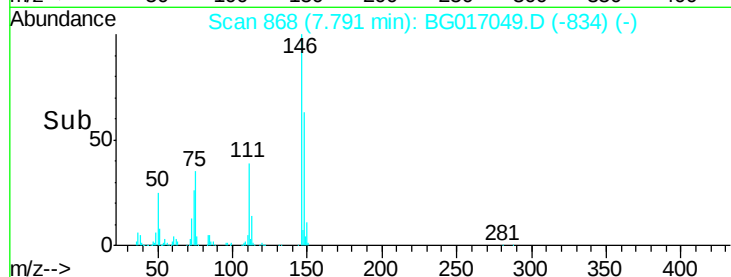
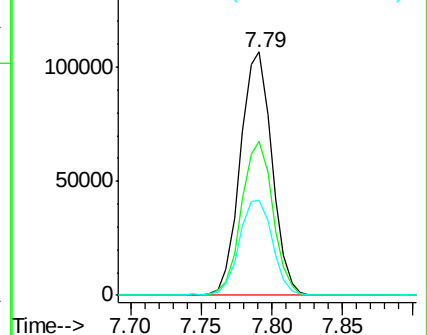
111 39.0 33.9 50.9



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 39.92 ng

RT: 8.11 min Scan# 922

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

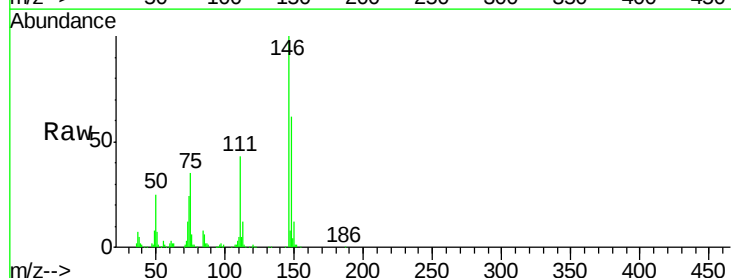
Tgt Ion:146 Resp: 155965

Ion Ratio Lower Upper

146 100

148 62.2 49.9 74.9

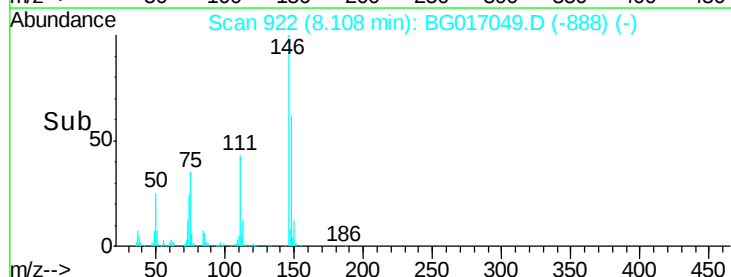
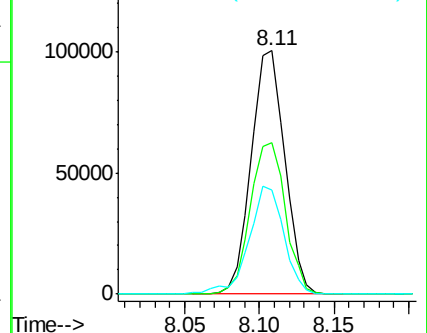
111 43.0 32.1 48.1

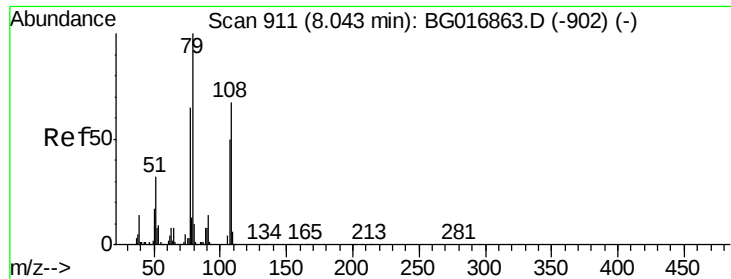


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 40.15 ng

RT: 8.00 min Scan# 903

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

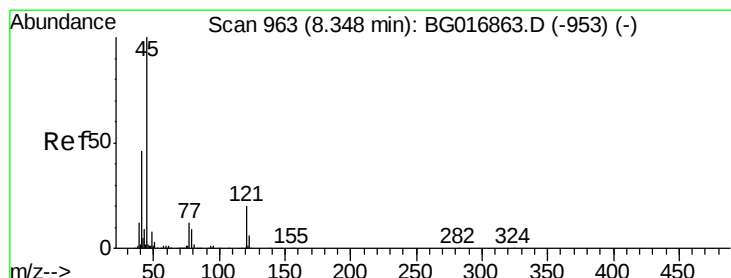
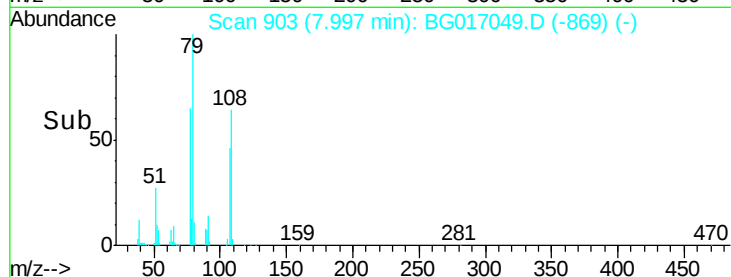
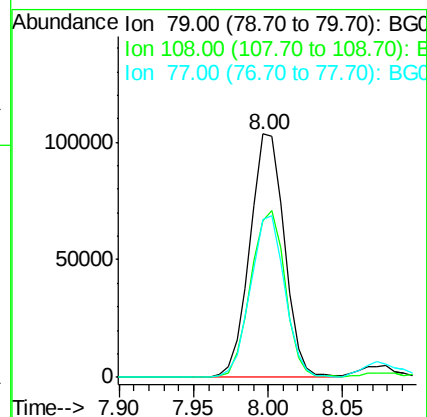
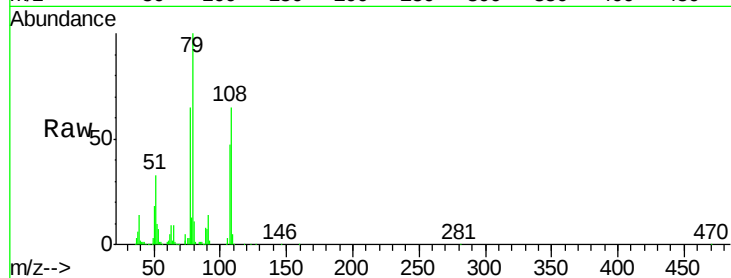
Tot Ion: 79 Resp: 164831

Ion Ratio Lower Upper

79 100

108 64.6 53.4 80.2

77 65.0 52.2 78.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 33.19 ng

RT: 8.30 min Scan# 954

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

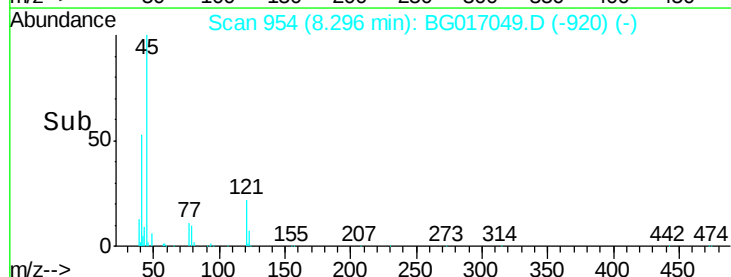
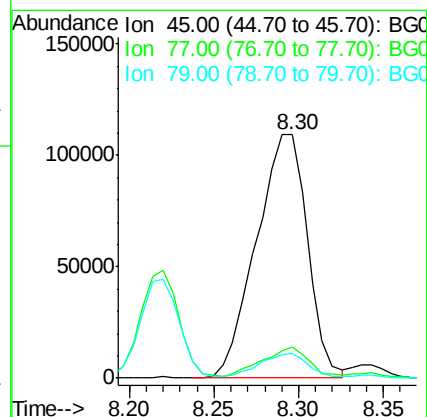
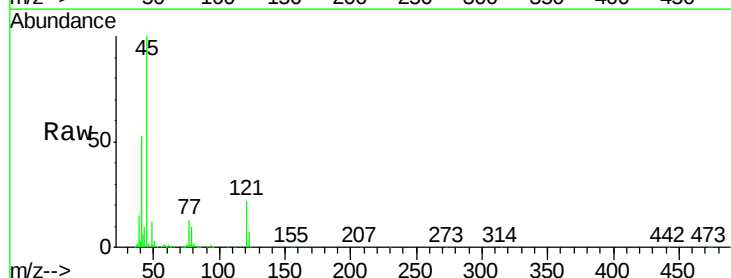
Tgt Ion: 45 Resp: 228969

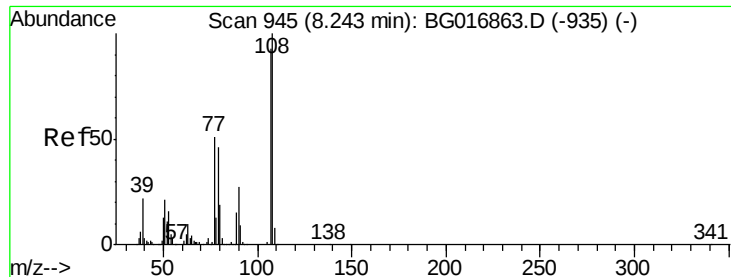
Ion Ratio Lower Upper

45 100

77 13.0 0.0 31.8

79 10.2 0.0 29.1





#17

2-Methylphenol

Concen: 40.17 ng

RT: 8.22 min Scan# 941

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

Tot Ion:107 Resp: 136348

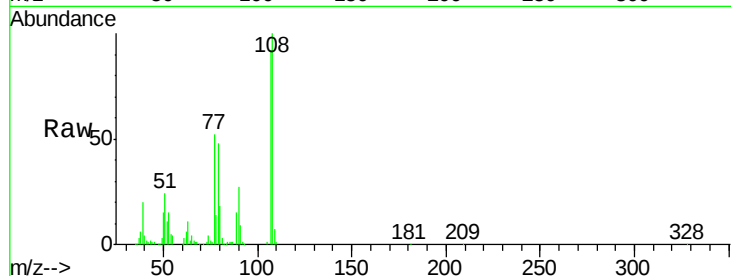
Ion Ratio Lower Upper

107 100

108 108.2 85.9 128.9

77 56.0 43.8 65.6

79 51.5 39.8 59.6

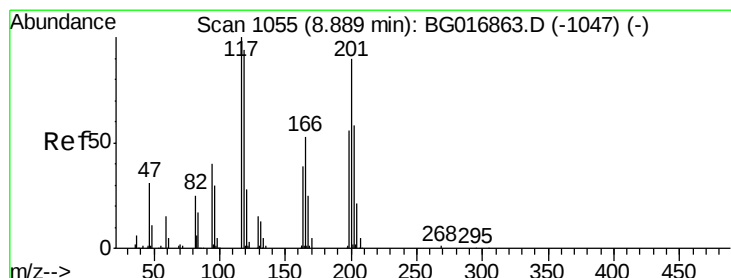
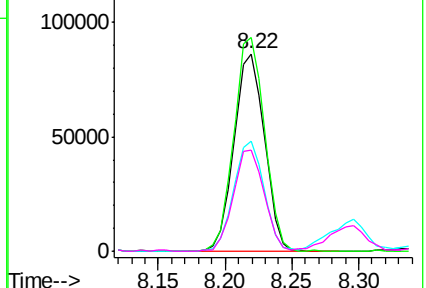
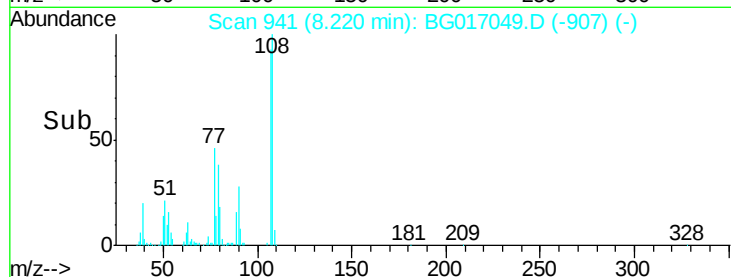


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 39.84 ng

RT: 8.83 min Scan# 1045

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

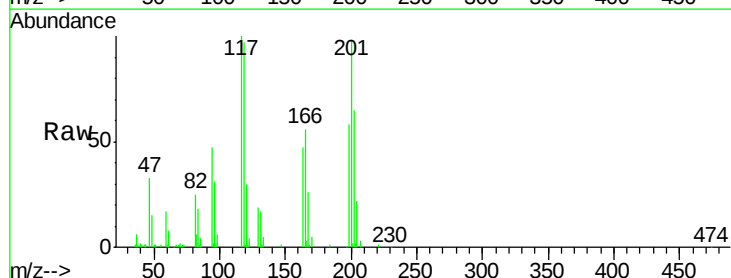
Tgt Ion:117 Resp: 66669

Ion Ratio Lower Upper

117 100

119 96.6 74.8 112.2

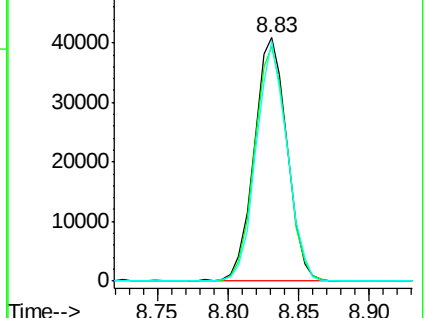
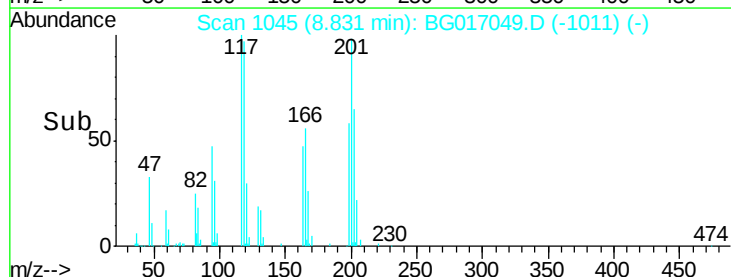
201 98.4 72.1 108.1

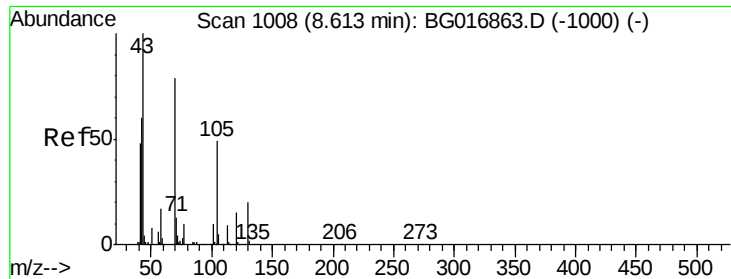


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

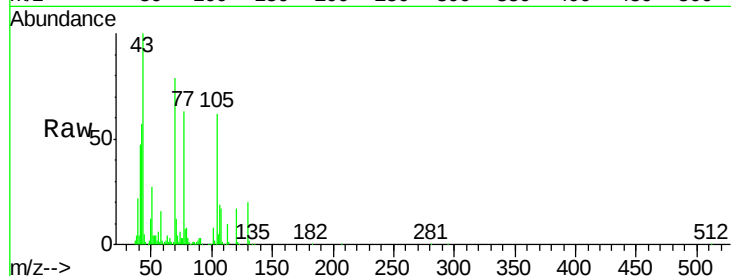




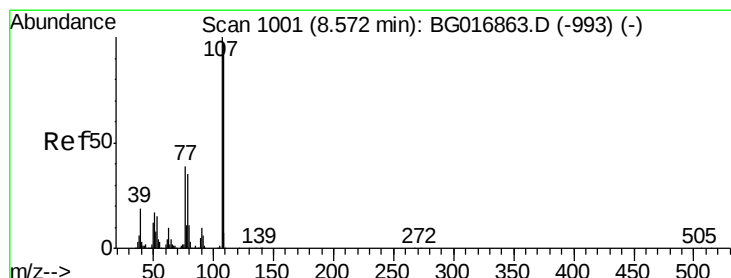
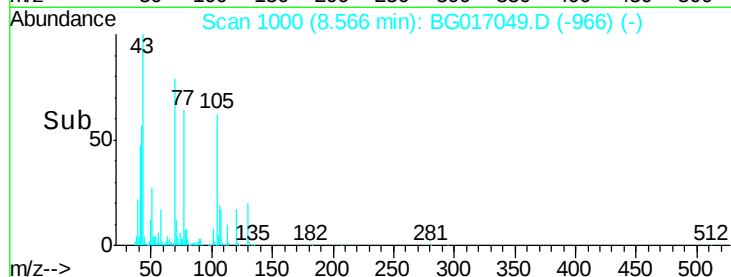
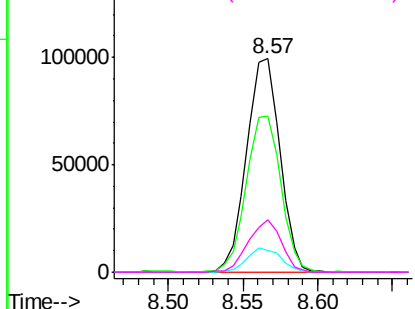
#19  
n-Nitroso-di-n-propylamine  
Concen: 39.11 ng  
RT: 8.57 min Scan# 1000  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 154125 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 72.9  | 61.5  | 92.3   |
| 101      | 10.2  | 9.8   | 14.6   |
| 130      | 24.9  | 20.2  | 30.4   |

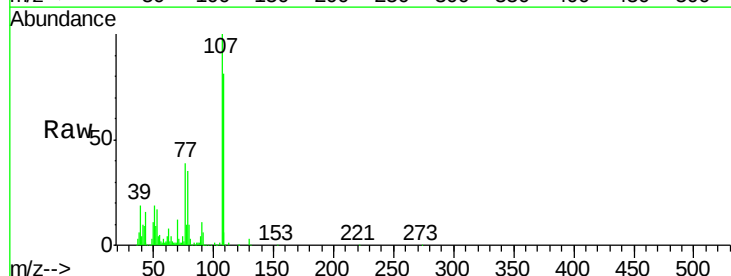


Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

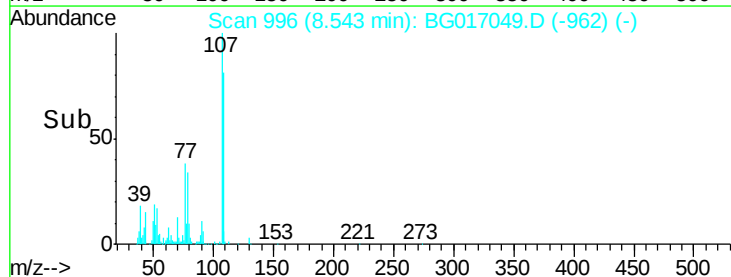
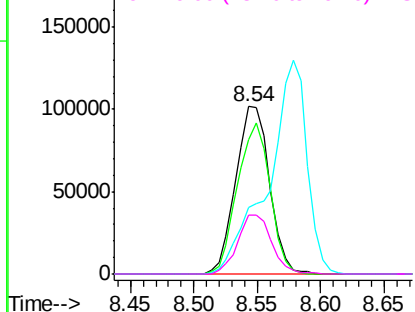


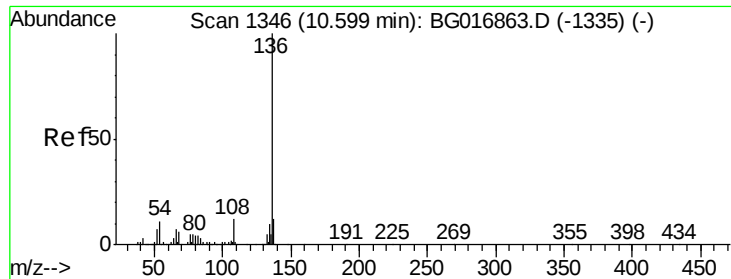
#20  
3+4-Methylphenols  
Concen: 40.27 ng  
RT: 8.54 min Scan# 996  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 188330 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 80.6  | 76.6  | 116.6  |
| 77       | 39.5  | 19.0  | 59.0   |
| 79       | 34.9  | 15.0  | 55.0   |



Abundance Ion 107.00 (106.70 to 107.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC  
Ion 79.00 (78.70 to 79.70): BGC

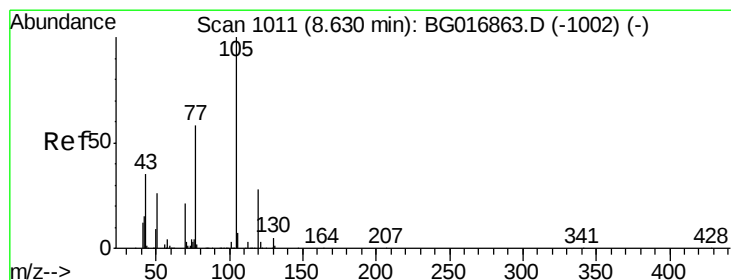
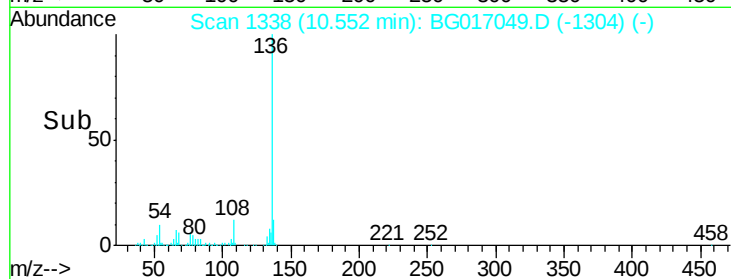
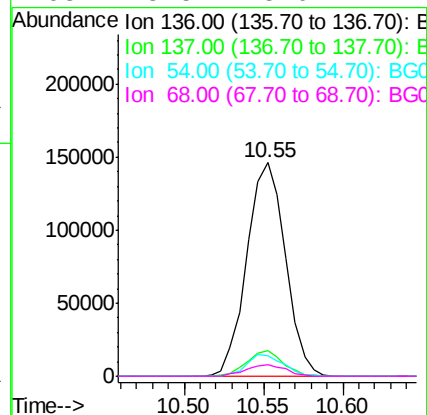
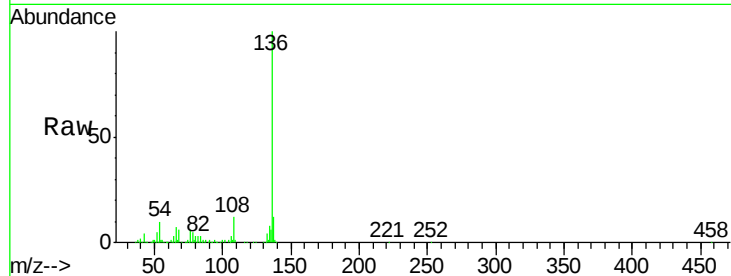




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.55 min Scan# 1338  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

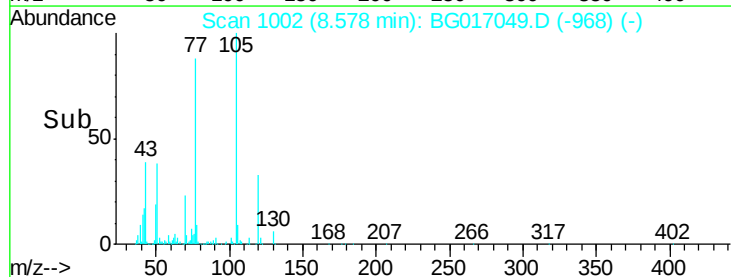
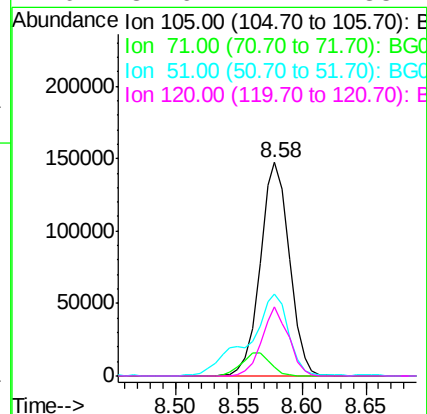
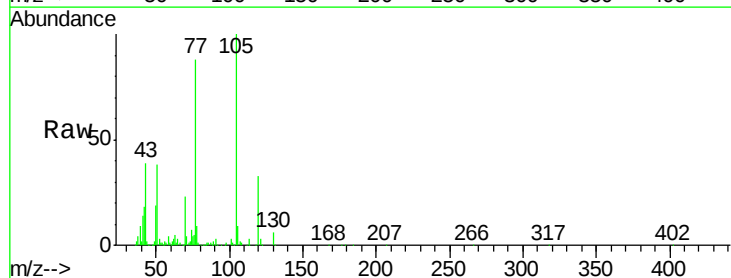
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

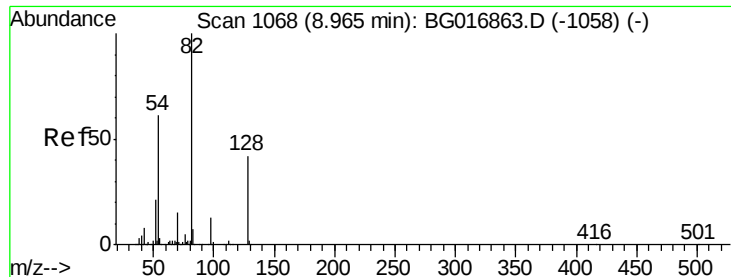
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 247423   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.8  | 9.8 14.8 |
| 54          | 9.8   | 8.7 13.1 |
| 68          | 5.5   | 5.0 7.4  |



#22  
Acetophenone  
Concen: 40.06 ng  
RT: 8.58 min Scan# 1002  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 236069    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 4.0   | 2.8 4.2   |
| 51          | 38.5  | 29.4 44.2 |
| 120         | 32.6  | 22.2 33.4 |

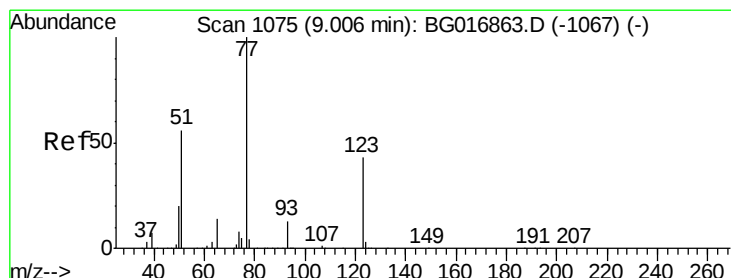
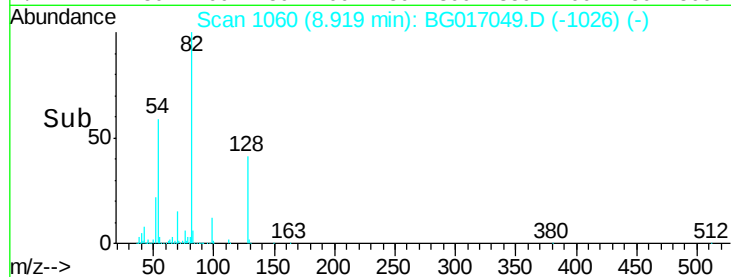
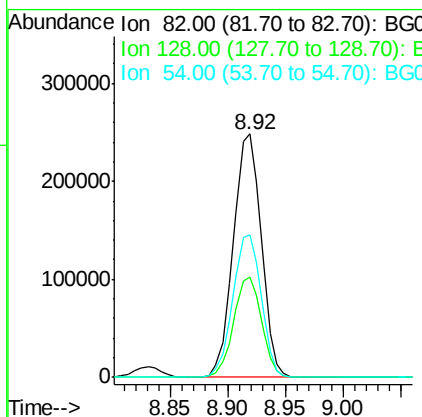
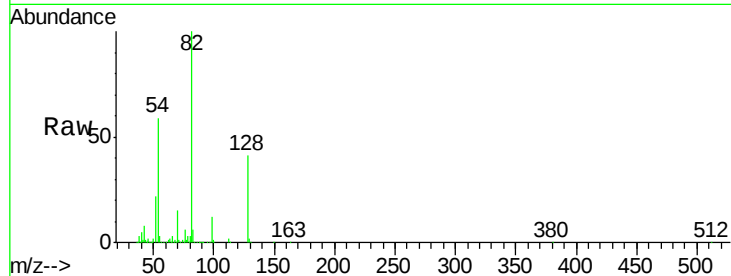




#23  
Nitrobenzene-d5  
Concen: 82.24 ng  
RT: 8.92 min Scan# 1060  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

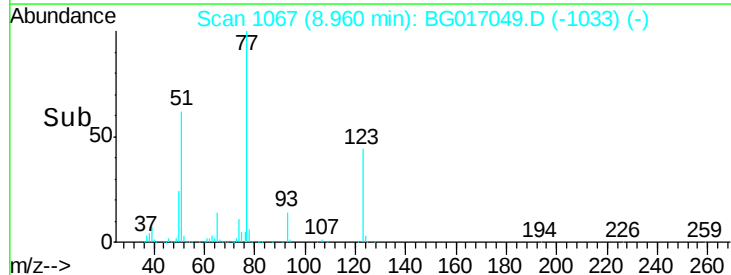
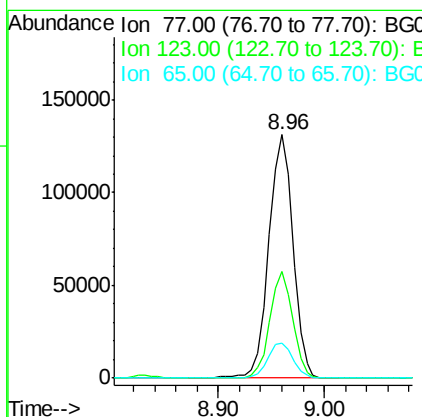
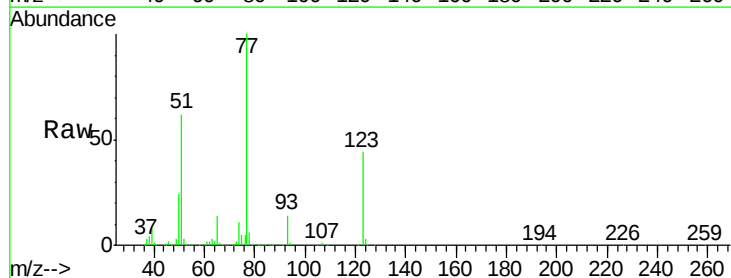
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

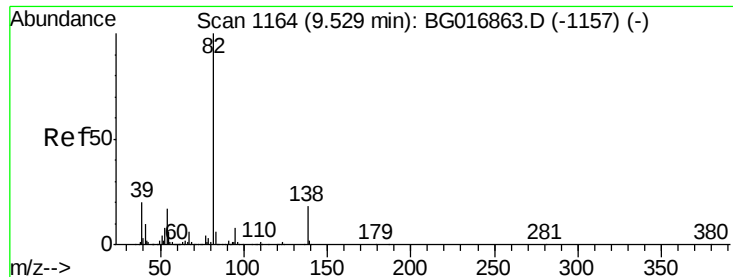
| Tot Ion   | 82    | Resp  | 416500 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 41.2  | 33.2  | 49.8   |
| 54        | 58.7  | 48.6  | 72.8   |



#24  
Nitrobenzene  
Concen: 40.57 ng  
RT: 8.96 min Scan# 1067  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

| Tgt Ion   | 77    | Resp  | 207487 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 43.7  | 34.0  | 51.0   |
| 65        | 14.4  | 11.2  | 16.8   |





#25

Isophorone

Concen: 39.84 ng

RT: 9.48 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

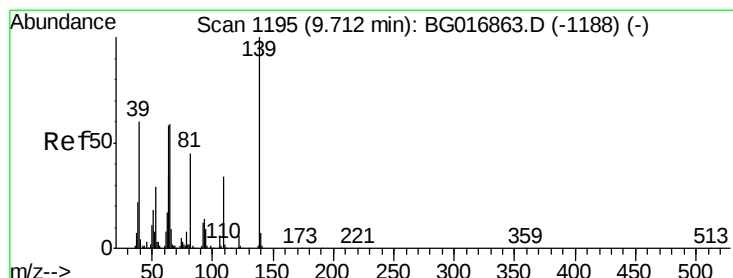
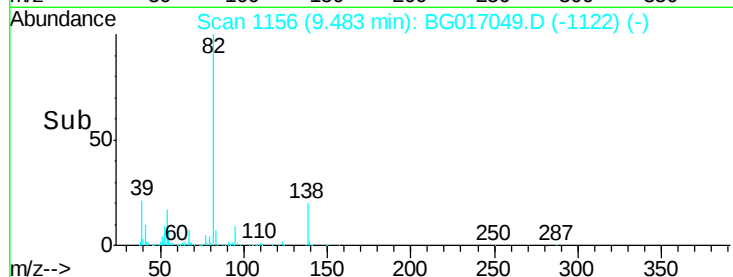
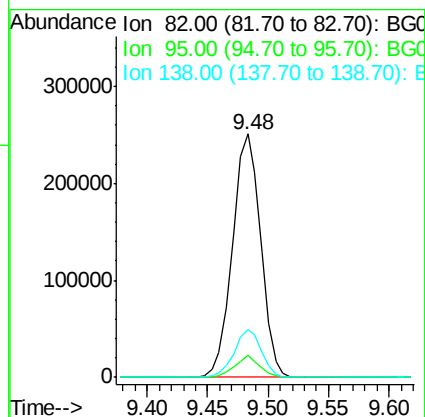
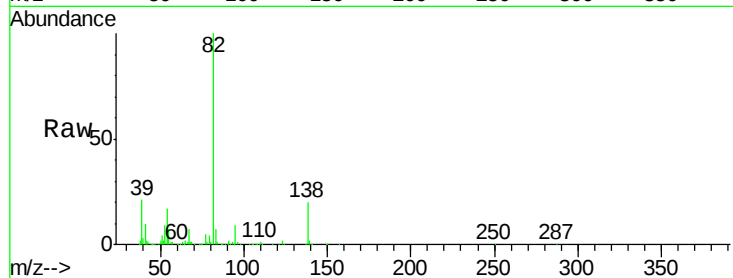
Tot Ion: 82 Resp: 407380

Ion Ratio Lower Upper

82 100

95 8.9 6.7 10.1

138 19.9 14.7 22.1



#26

2-Nitrophenol

Concen: 45.07 ng

RT: 9.67 min Scan# 1187

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

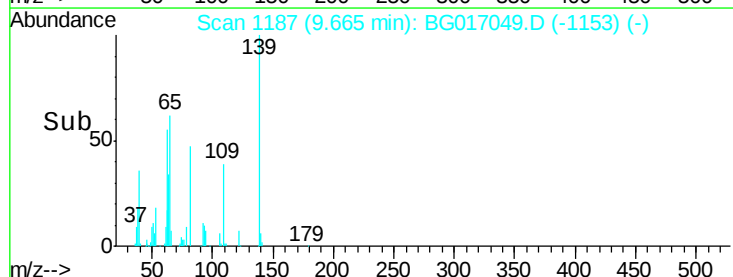
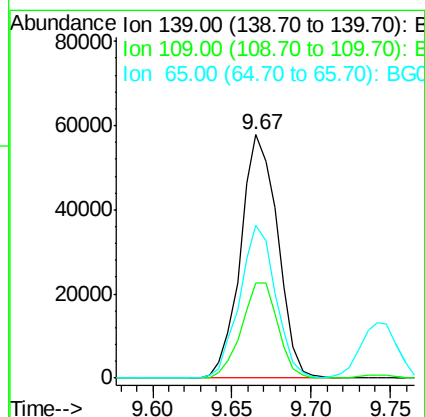
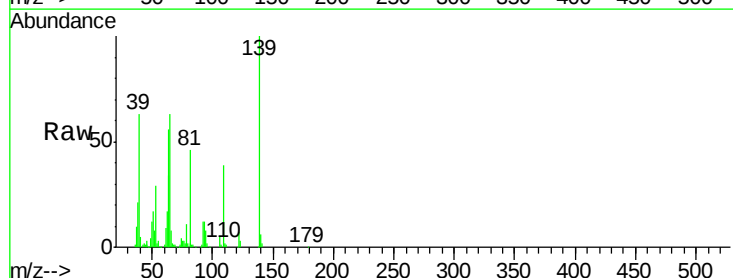
Tgt Ion: 139 Resp: 93863

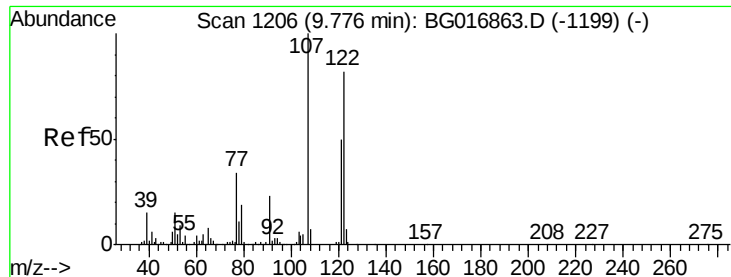
Ion Ratio Lower Upper

139 100

109 39.2 27.4 41.2

65 62.6 47.1 70.7

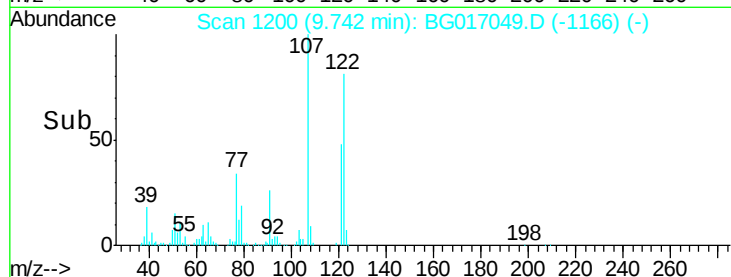
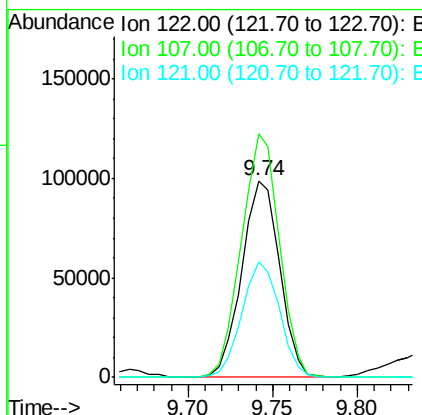
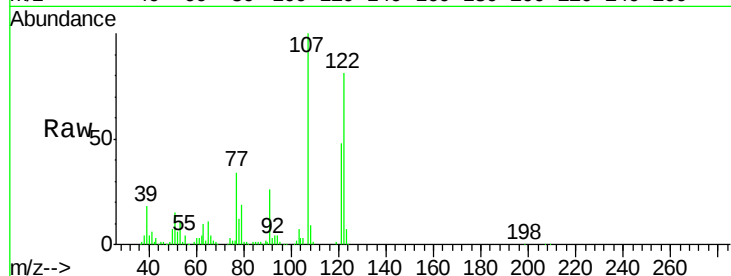




#27  
 2,4-Dimethylphenol  
 Concen: 41.02 ng  
 RT: 9.74 min Scan# 1200  
 Delta R.T. 0.00 min  
 Lab File: BG017049.D  
 Acq: 11 May 2015 12:35

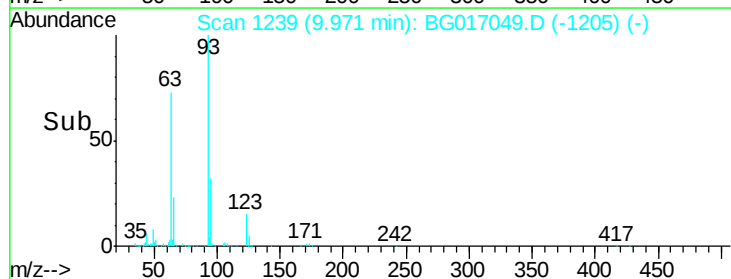
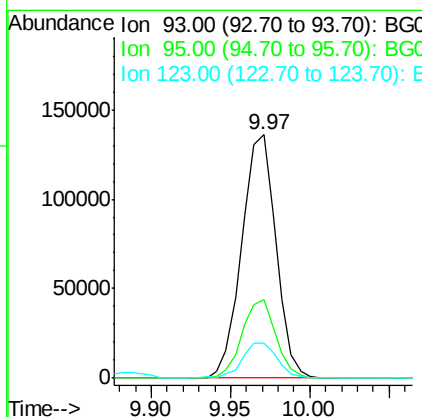
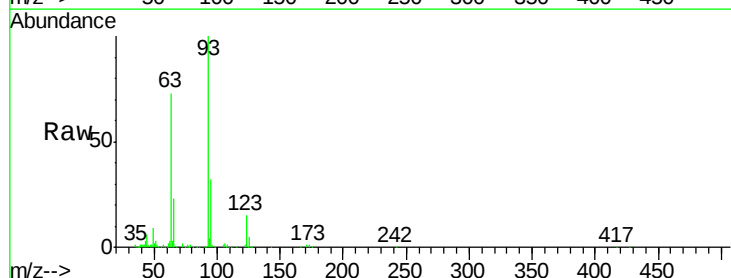
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTCCCC040

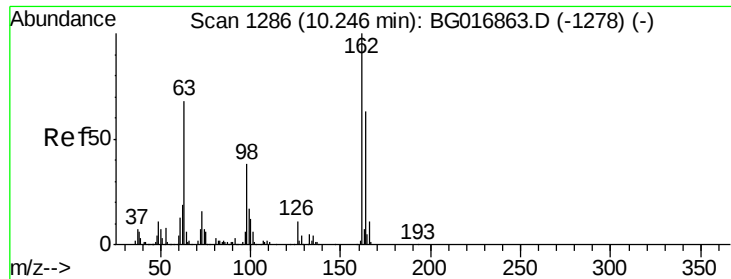
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 123.7 | 97.6  | 146.4 |
| 121     | 58.8  | 48.4  | 72.6  |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 39.52 ng  
 RT: 9.97 min Scan# 1239  
 Delta R.T. 0.00 min  
 Lab File: BG017049.D  
 Acq: 11 May 2015 12:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.2  | 24.8  | 37.2  |
| 123     | 14.5  | 12.6  | 19.0  |

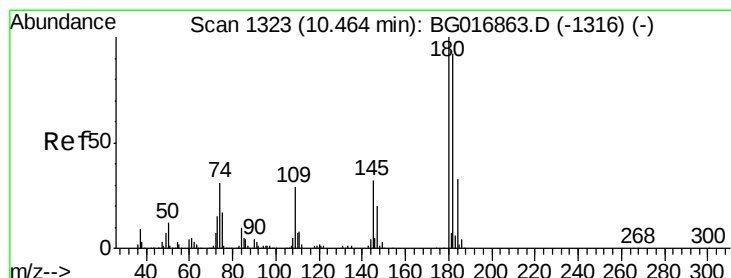
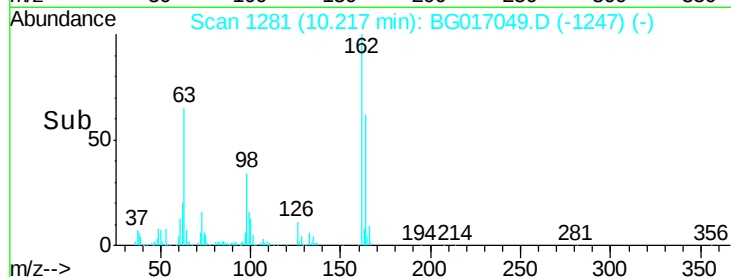
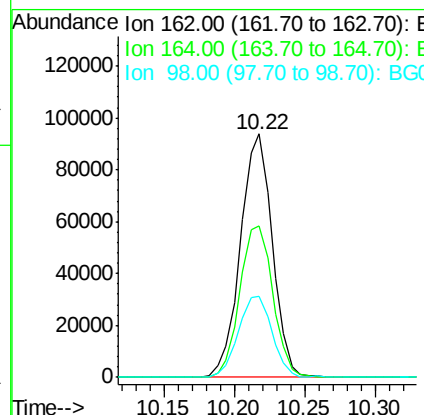
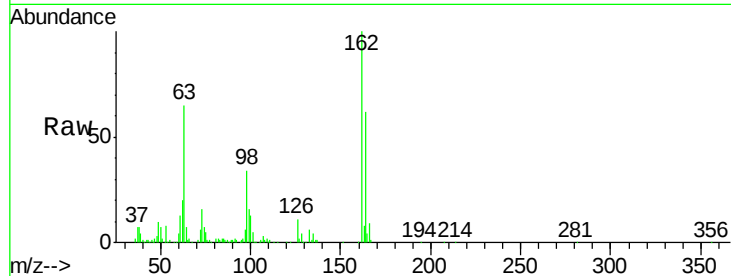




#29  
 2,4-Dichlorophenol  
 Concen: 41.60 ng  
 RT: 10.22 min Scan# 1281  
 Delta R.T. 0.00 min  
 Lab File: BG017049.D  
 Acq: 11 May 2015 12:35

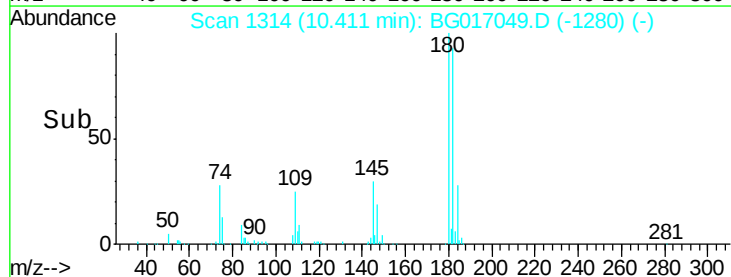
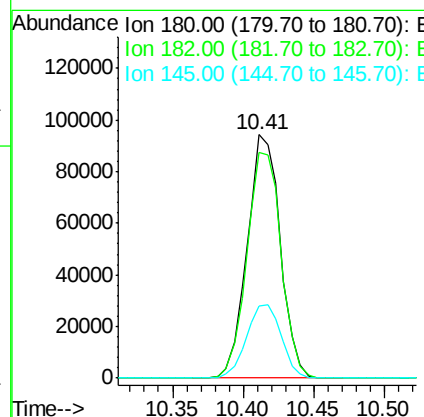
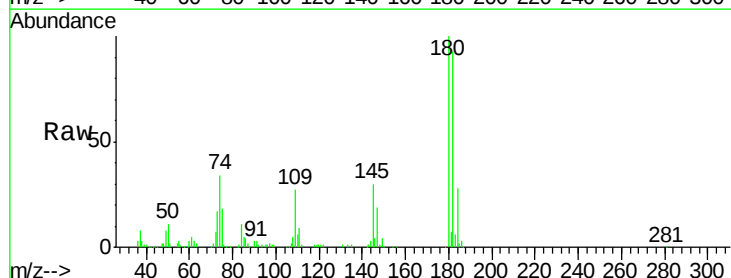
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

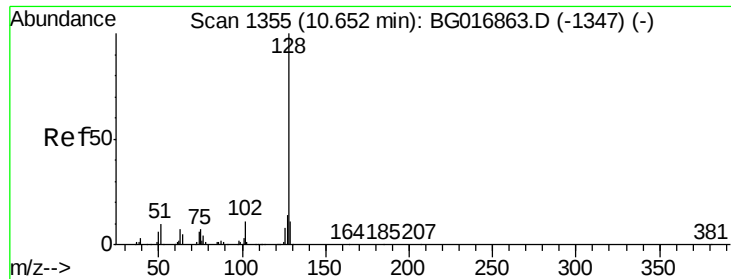
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 62.3  | 42.9  | 82.9  |
| 98      | 33.5  | 18.4  | 58.4  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 40.97 ng  
 RT: 10.41 min Scan# 1314  
 Delta R.T. 0.00 min  
 Lab File: BG017049.D  
 Acq: 11 May 2015 12:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 92.6  | 73.8  | 110.8 |
| 145     | 29.6  | 25.4  | 38.0  |

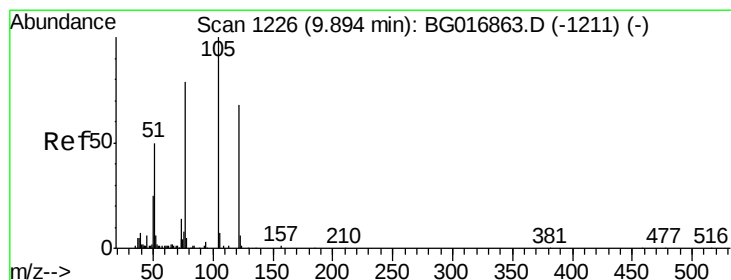
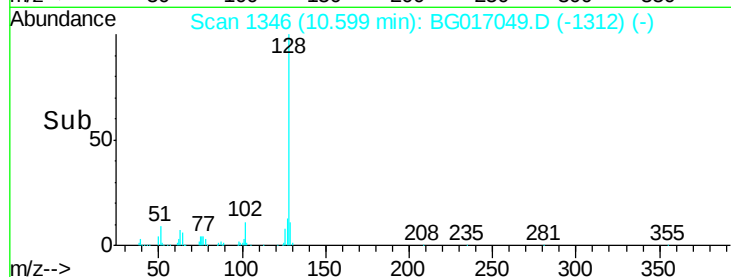
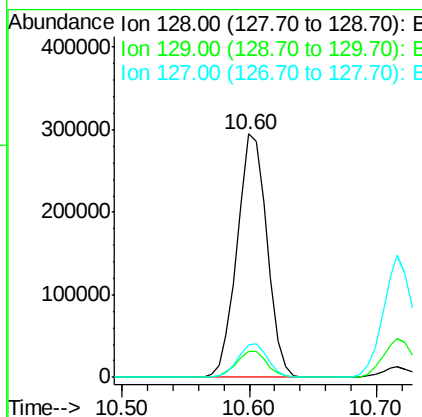
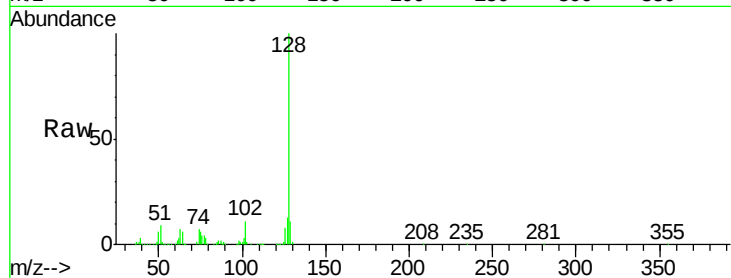




#31  
Naphthalene  
Concen: 39.09 ng  
RT: 10.60 min Scan# 1346  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

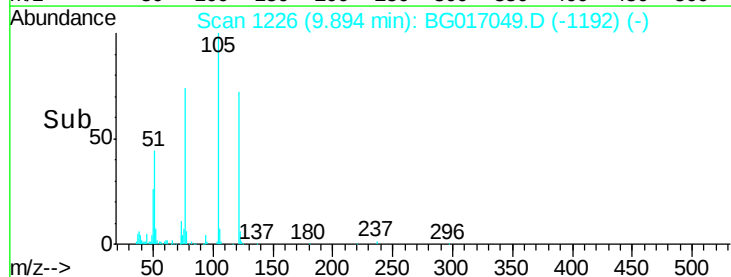
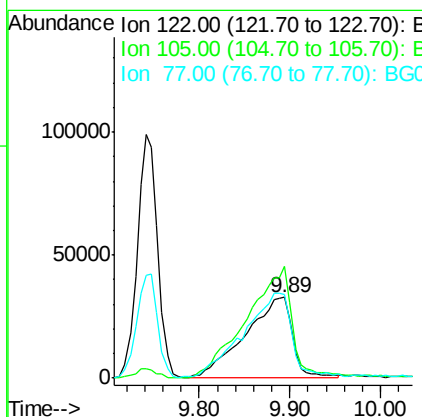
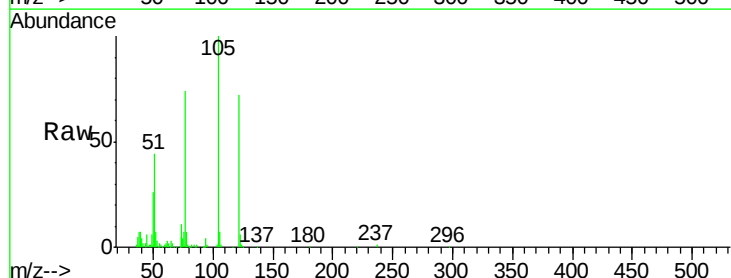
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

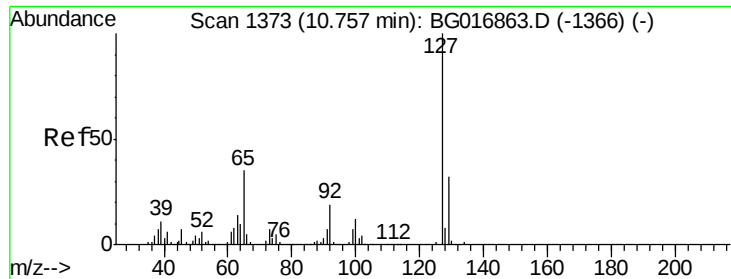
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.7  | 9.1   | 13.7  |
| 127     | 13.3  | 10.9  | 16.3  |



#32  
Benzoic acid  
Concen: 50.34 ng  
RT: 9.89 min Scan# 1226  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 138.9 | 123.2 | 163.2 |
| 77      | 103.1 | 93.0  | 133.0 |

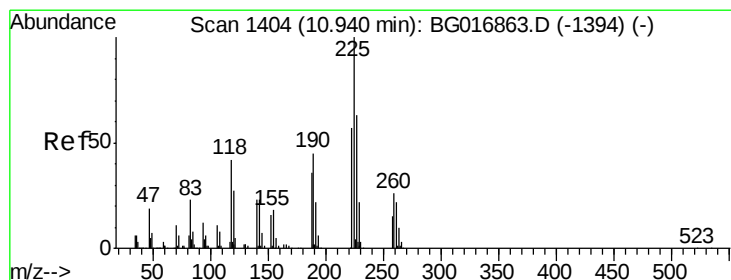
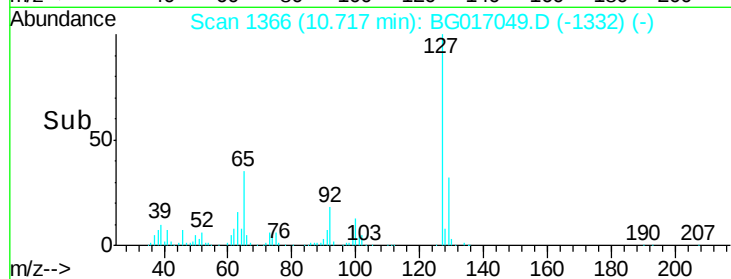
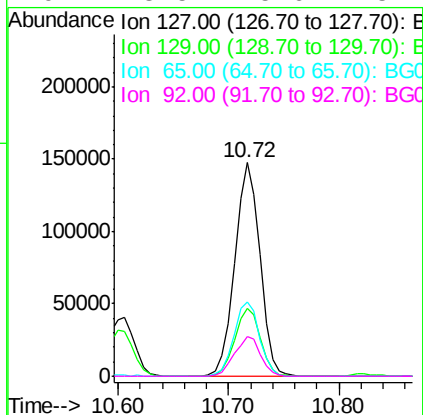
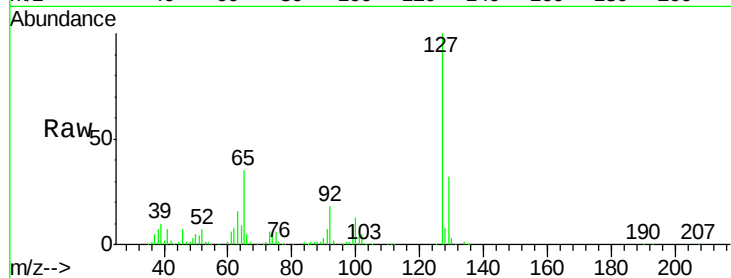




#33  
4-Chloroaniline  
Concen: 41.43 ng  
RT: 10.72 min Scan# 1366  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

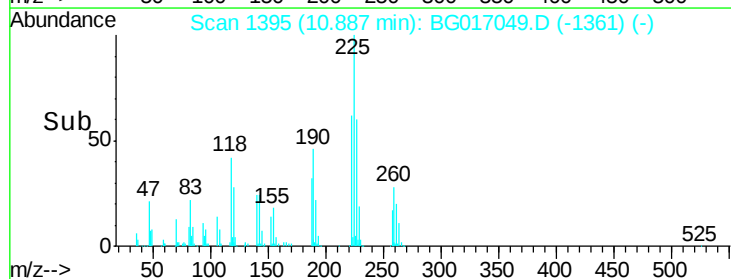
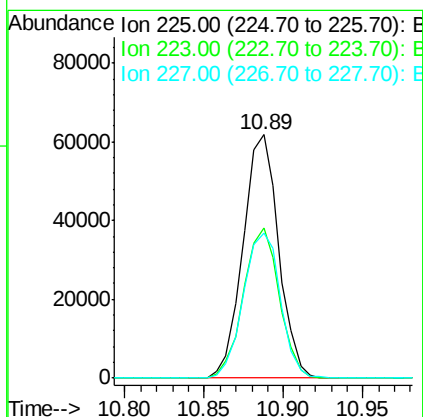
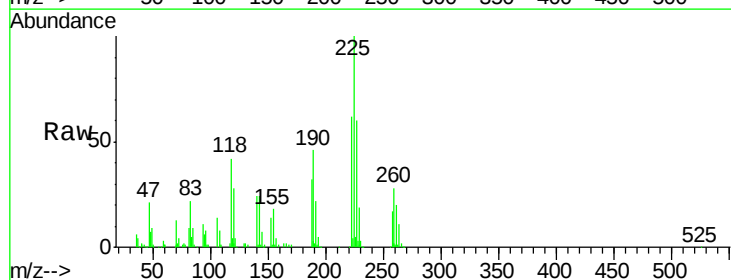
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

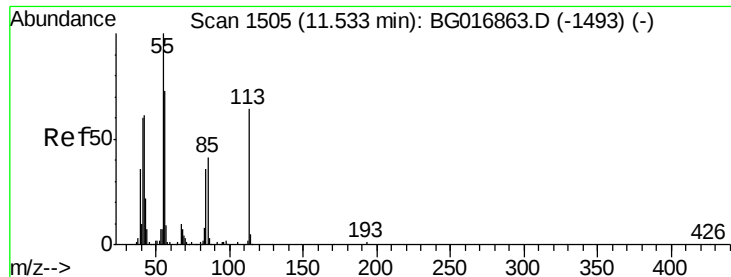
|             |       |             |
|-------------|-------|-------------|
| Tot Ion:127 | Resp: | 235475      |
| Ion         | Ratio | Lower Upper |
| 127         | 100   |             |
| 129         | 31.9  | 25.8 38.6   |
| 65          | 34.9  | 28.2 42.2   |
| 92          | 18.5  | 15.6 23.4   |



#34  
Hexachlorobutadiene  
Concen: 40.82 ng  
RT: 10.89 min Scan# 1395  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:225 | Resp: | 96455       |
| Ion         | Ratio | Lower Upper |
| 225         | 100   |             |
| 223         | 61.7  | 45.8 68.6   |
| 227         | 59.7  | 50.7 76.1   |





#35

Caprolactam

Concen: 44.81 ng

RT: 11.50 min Scan# 1499

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

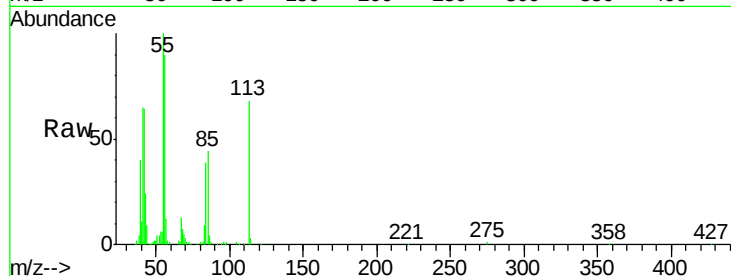
Tot Ion:113 Resp: 82877

Ion Ratio Lower Upper

113 100

55 146.7 137.1 177.1

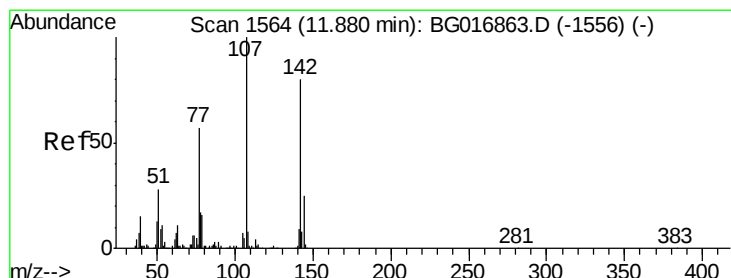
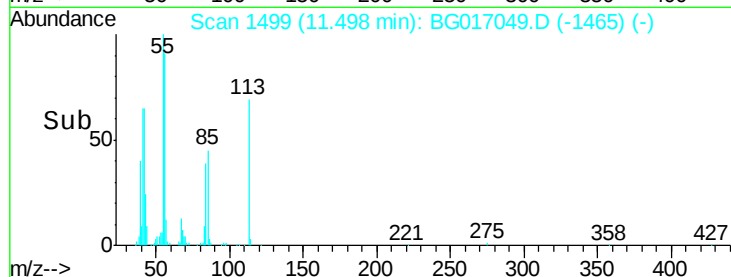
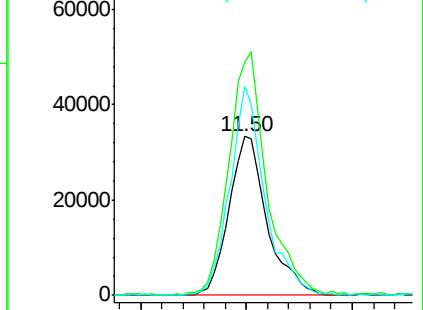
56 131.5 94.3 134.3



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 41.19 ng

RT: 11.87 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

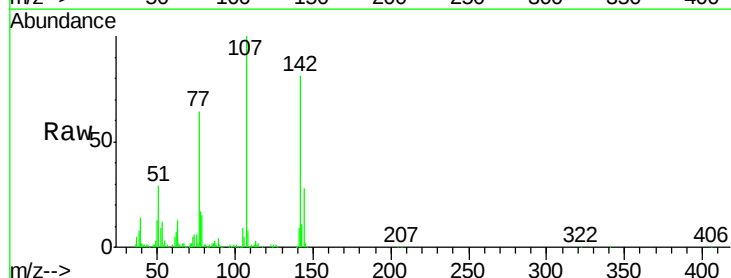
Tgt Ion:107 Resp: 187809

Ion Ratio Lower Upper

107 100

144 27.5 20.2 30.2

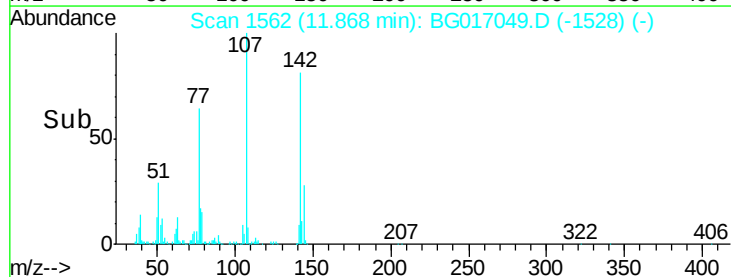
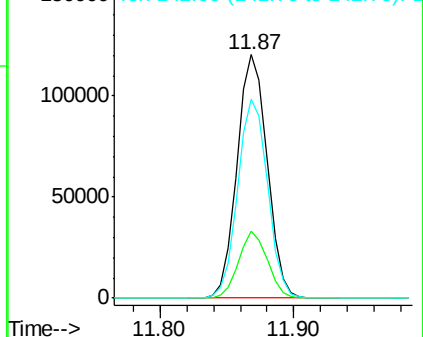
142 81.4 64.2 96.2

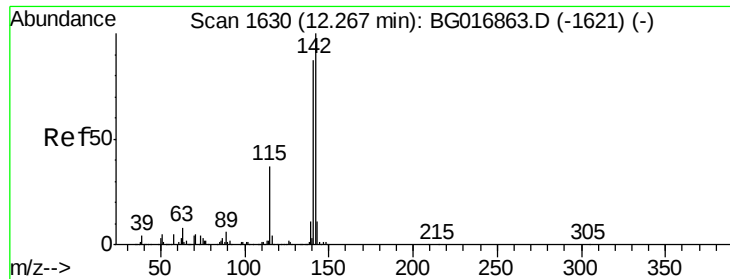


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

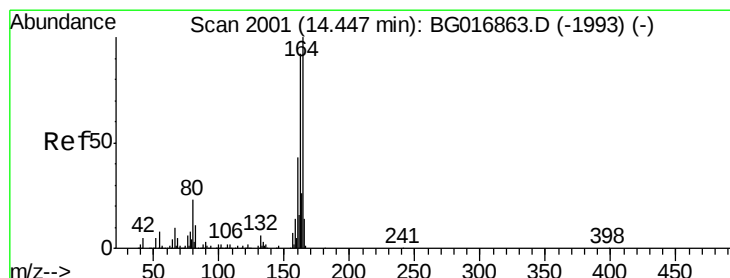
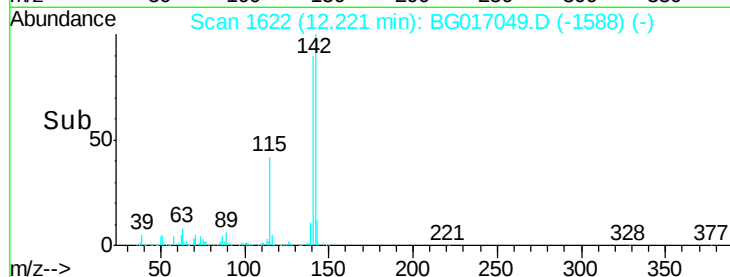
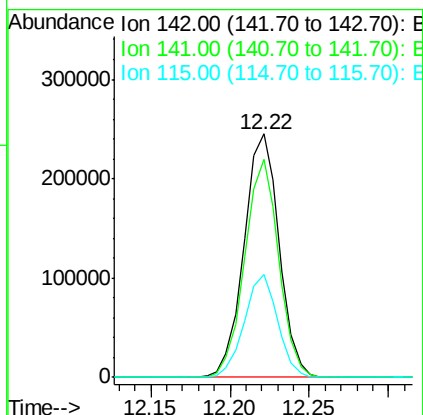
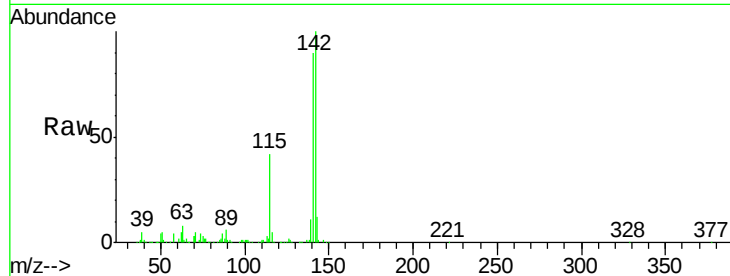




#37  
2-Methylnaphthalene  
Concen: 40.07 ng  
RT: 12.22 min Scan# 1622  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

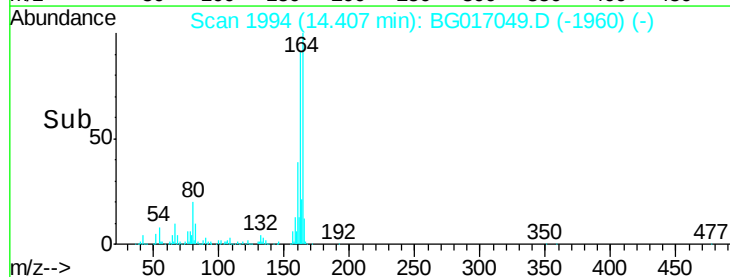
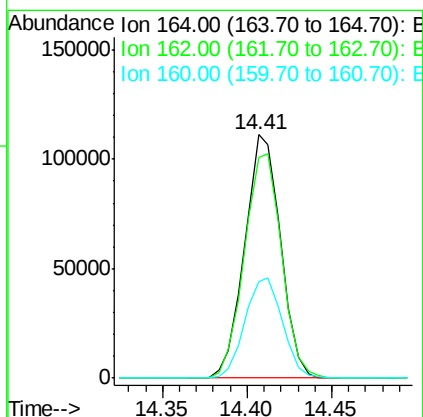
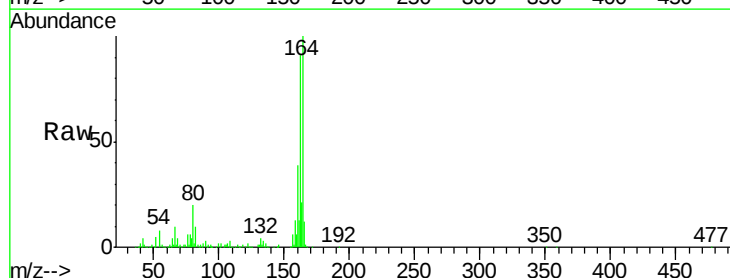
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

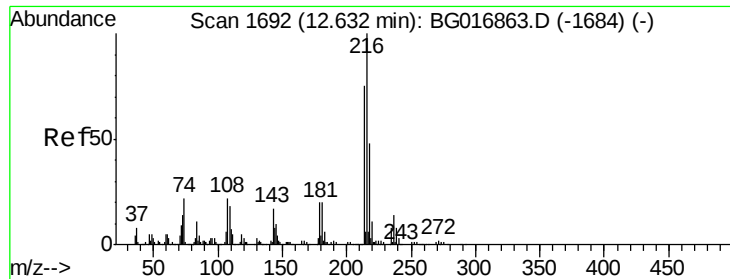
Tot Ion:142 Resp: 375571  
Ion Ratio Lower Upper  
142 100  
141 89.6 69.9 104.9  
115 42.1 29.8 44.8



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.41 min Scan# 1994  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

Tgt Ion:164 Resp: 164169  
Ion Ratio Lower Upper  
164 100  
162 90.6 74.0 111.0  
160 39.4 34.7 52.1





#39

1,2,4,5-Tetrachlorobenzene

Concen: 40.00 ng

RT: 12.59 min Scan# 1685

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

Tot Ion:216 Resp: 177503

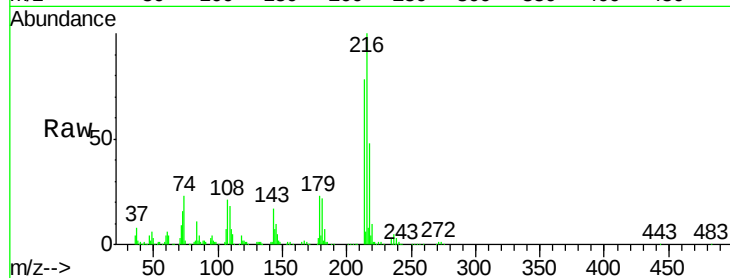
Ion Ratio Lower Upper

216 100

214 78.4 0.0 0.0#

179 22.4 0.0 0.0#

108 23.8 0.0 0.0#

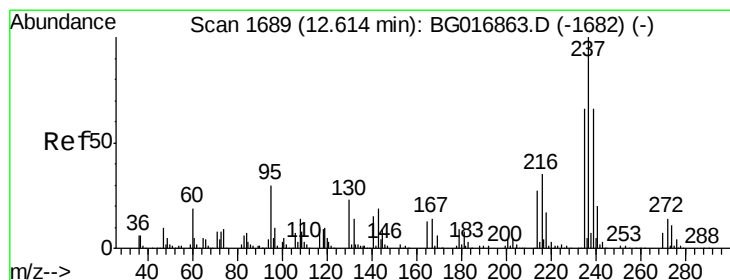
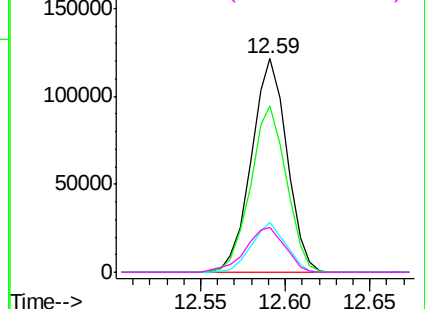
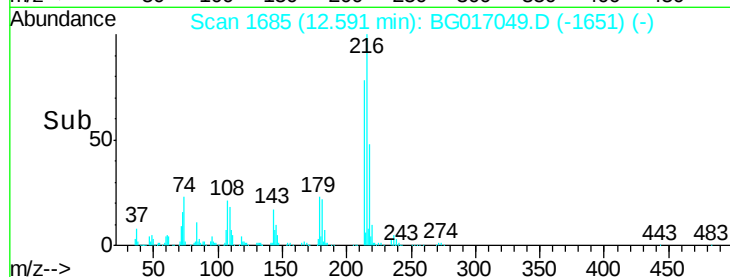


Abundance Ion 216.00 (215.70 to 216.70): E

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: 37.18 ng

RT: 12.57 min Scan# 1681

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

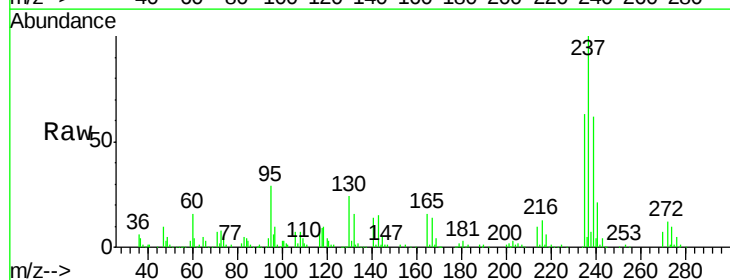
Tgt Ion:237 Resp: 106566

Ion Ratio Lower Upper

237 100

235 63.0 45.5 85.5

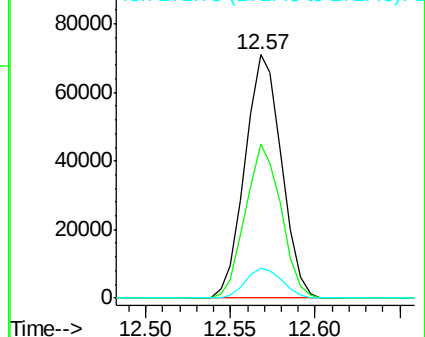
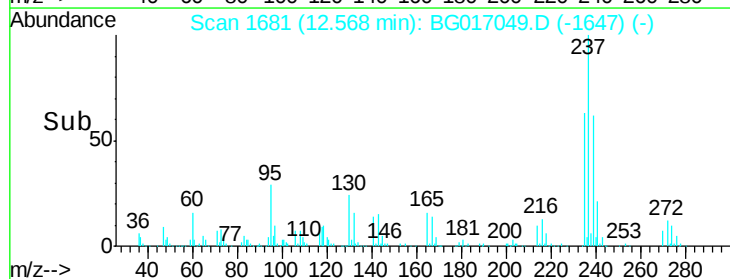
272 12.0 0.0 33.7

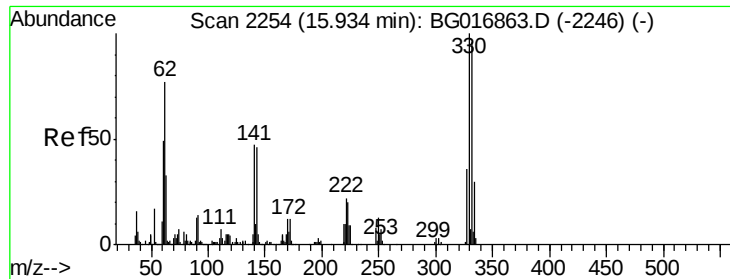


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

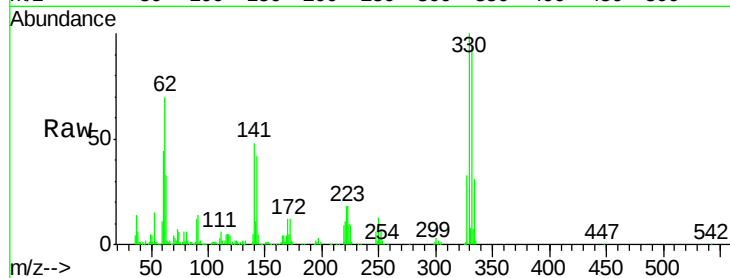




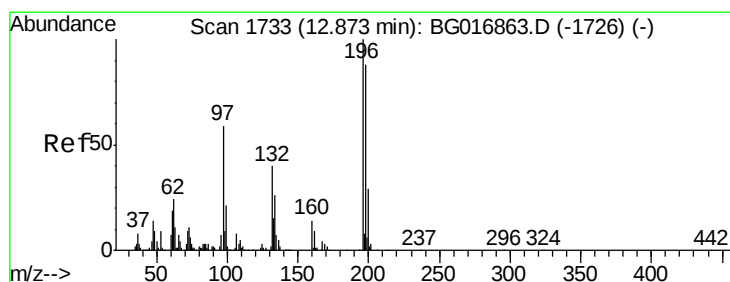
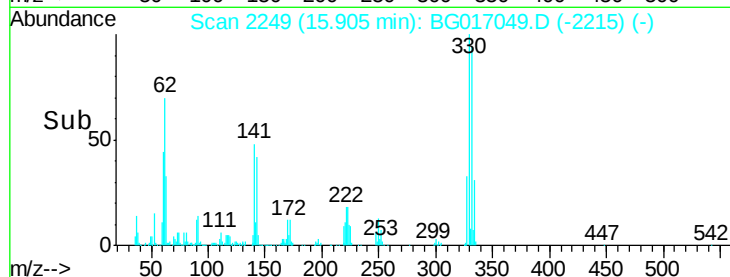
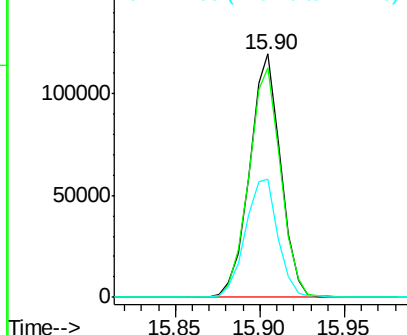
#41  
 2,4,6-Tribromophenol  
 Concen: 92.54 ng  
 RT: 15.90 min Scan# 2249  
 Delta R.T. 0.00 min  
 Lab File: BG017049.D  
 Acq: 11 May 2015 12:35

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Tot Ion:330 Resp: 152509  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 0.0 0.0#  
 141 51.0 0.0 0.0#

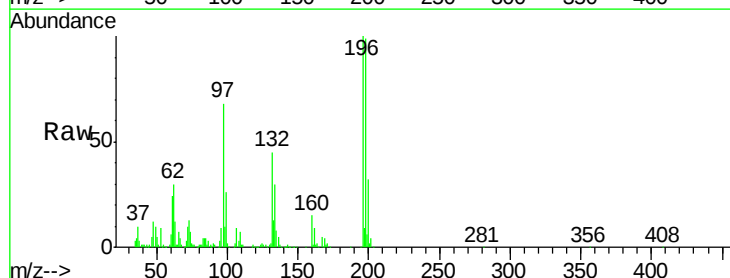


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

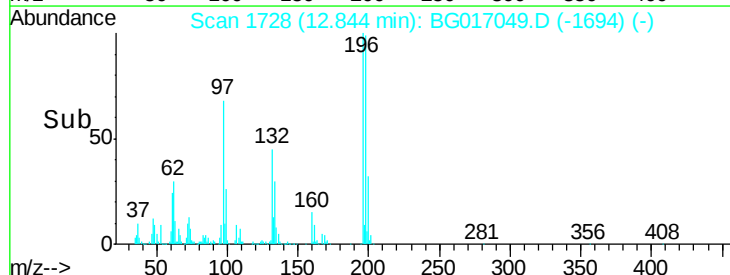
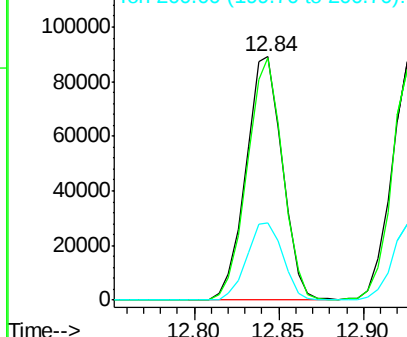


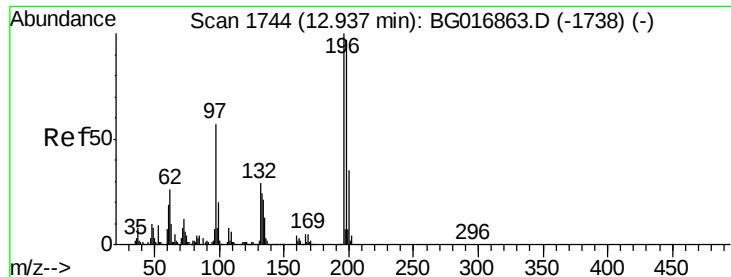
#42  
 2,4,6-Trichlorophenol  
 Concen: 42.57 ng  
 RT: 12.84 min Scan# 1728  
 Delta R.T. 0.00 min  
 Lab File: BG017049.D  
 Acq: 11 May 2015 12:35

Tgt Ion:196 Resp: 133893  
 Ion Ratio Lower Upper  
 196 100  
 198 99.4 70.7 106.1  
 200 31.9 23.0 34.4



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

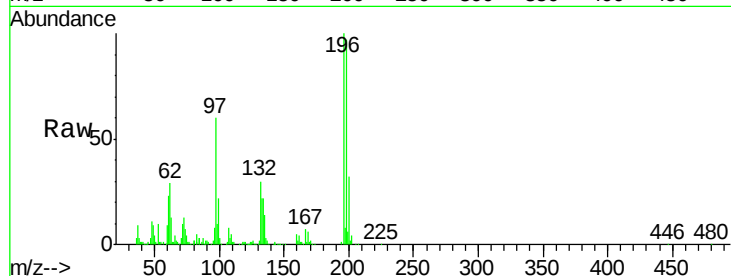




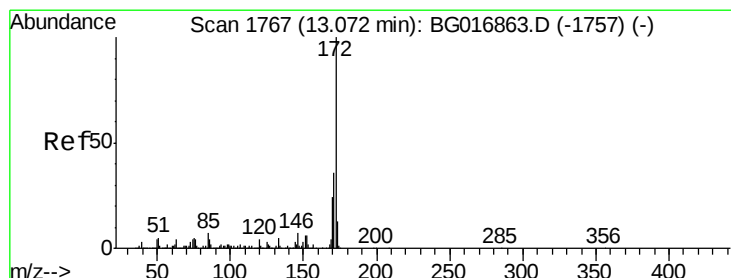
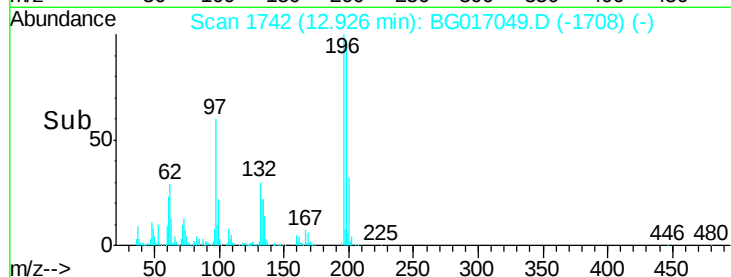
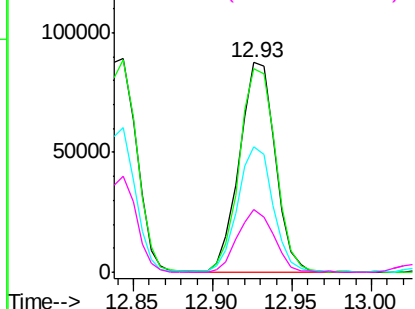
#43  
 2,4,5-Trichlorophenol  
 Concen: 41.25 ng  
 RT: 12.93 min Scan# 1742  
 Delta R.T. 0.00 min  
 Lab File: BG017049.D  
 Acq: 11 May 2015 12:35

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Tot Ion:196 Resp: 137712  
 Ion Ratio Lower Upper  
 196 100  
 198 96.9 77.5 116.3  
 97 60.1 45.9 68.9  
 132 30.0 23.7 35.5

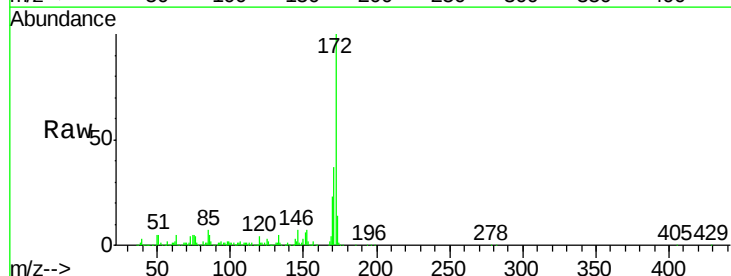


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BG  
 Ion 132.00 (131.70 to 132.70): E

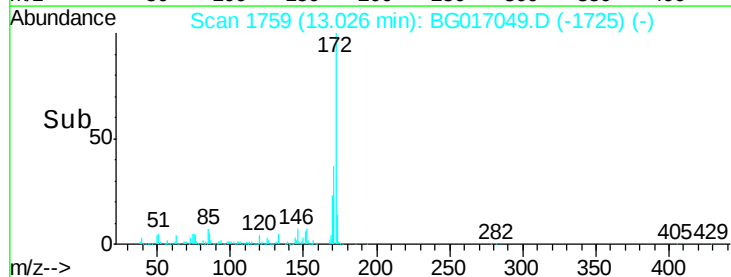
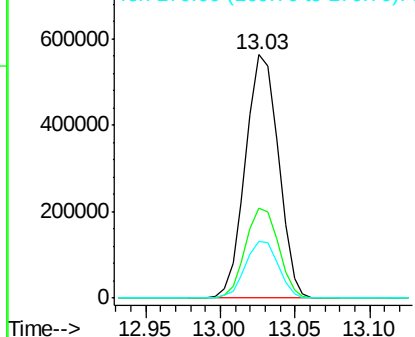


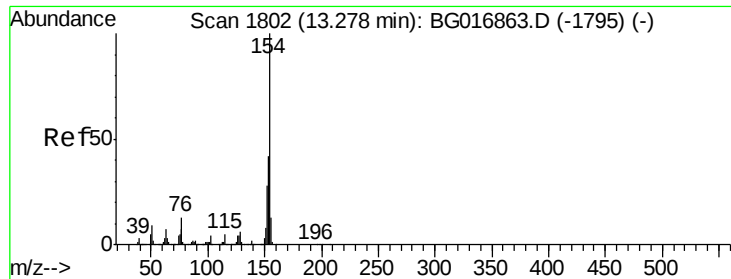
#44  
 2-Fluorobiphenyl  
 Concen: 79.23 ng  
 RT: 13.03 min Scan# 1759  
 Delta R.T. 0.00 min  
 Lab File: BG017049.D  
 Acq: 11 May 2015 12:35

Tgt Ion:172 Resp: 861951  
 Ion Ratio Lower Upper  
 172 100  
 171 37.2 29.0 43.4  
 170 23.1 19.0 28.4



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 39.58 ng

RT: 13.24 min Scan# 1795

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

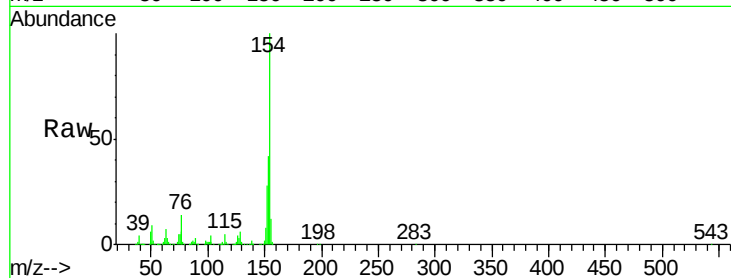
Tot Ion:154 Resp: 465180

Ion Ratio Lower Upper

154 100

153 41.9 22.0 62.0

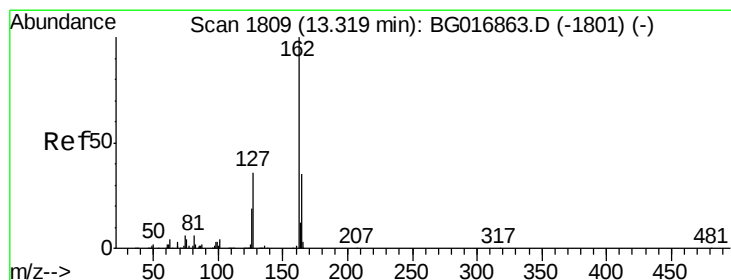
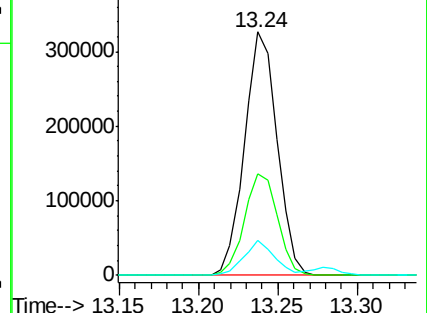
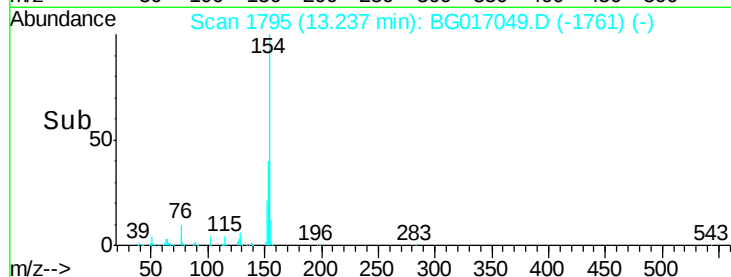
76 14.2 0.0 33.3



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): BGC



#46

2-Chloronaphthalene

Concen: 39.77 ng

RT: 13.28 min Scan# 1802

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

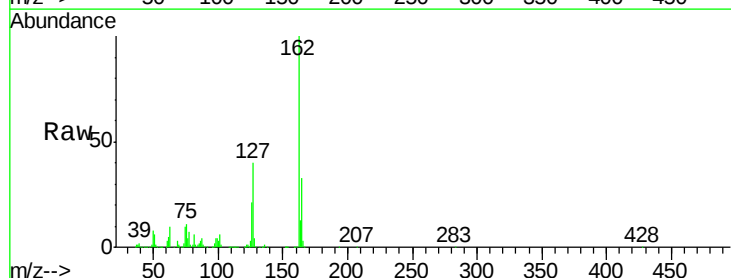
Tgt Ion:162 Resp: 370224

Ion Ratio Lower Upper

162 100

127 39.9 31.2 46.8

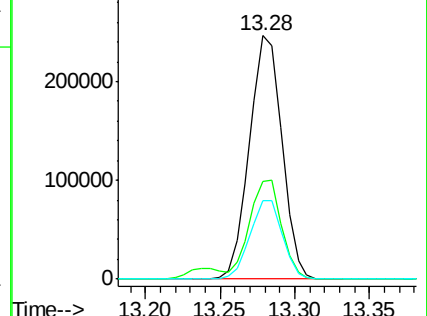
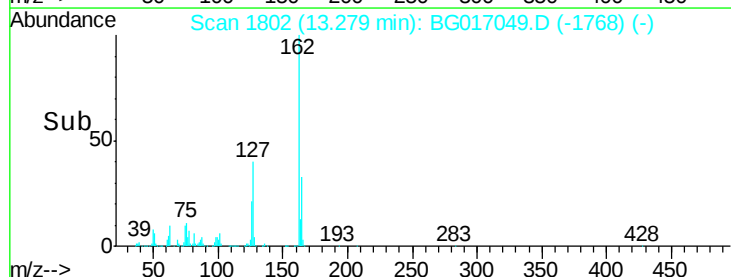
164 32.5 27.8 41.6

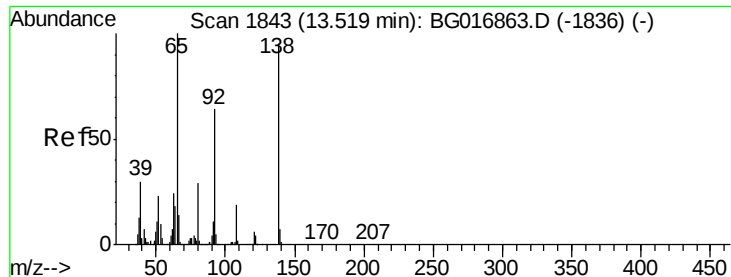


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

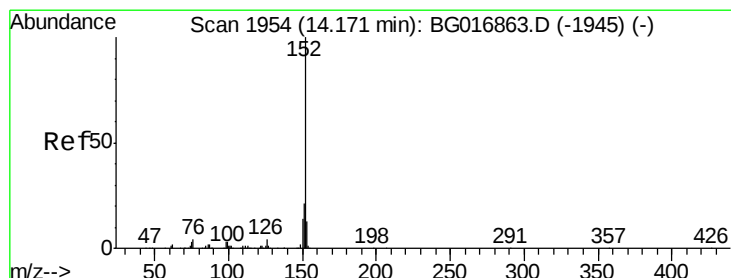
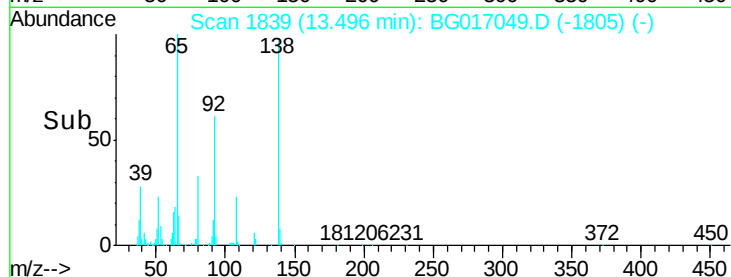
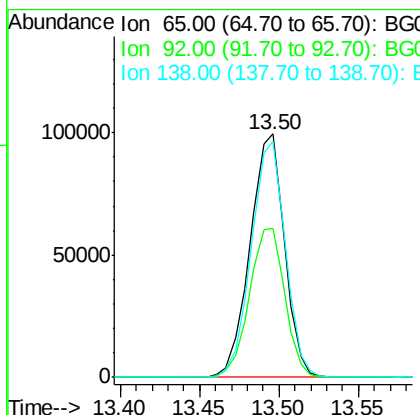
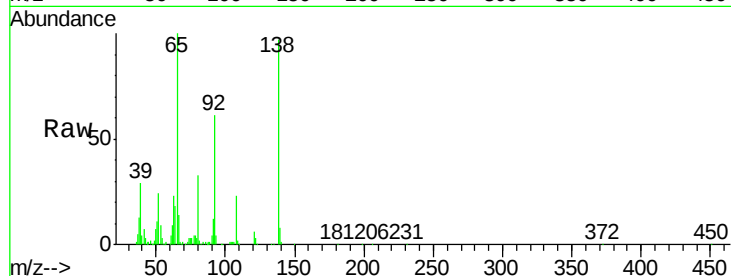




#47  
2-Nitroaniline  
Concen: 46.42 ng  
RT: 13.50 min Scan# 1839  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

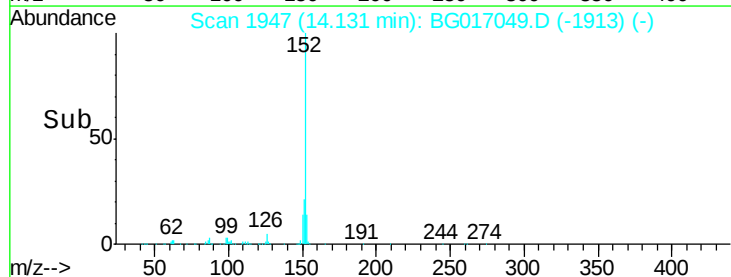
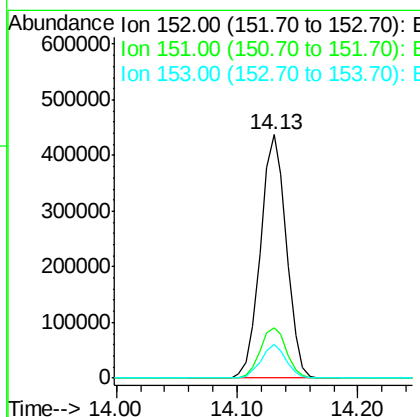
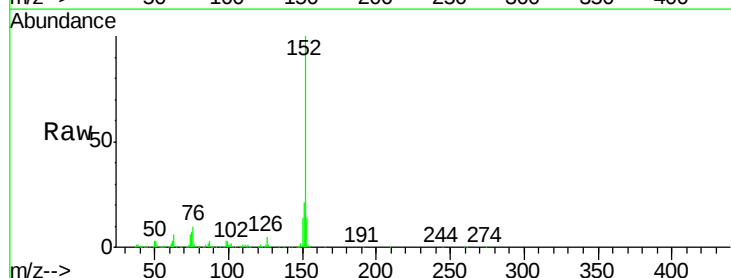
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

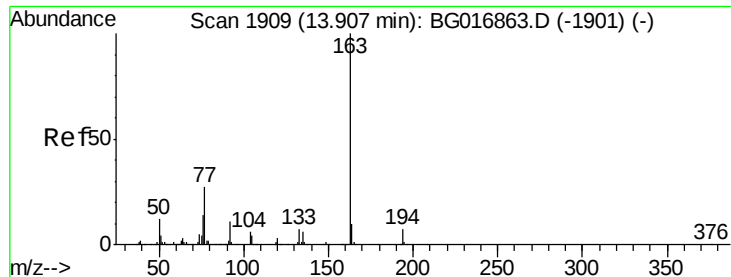
Tot Ion: 65 Resp: 150417  
Ion Ratio Lower Upper  
65 100  
92 61.0 51.0 76.6  
138 96.8 76.2 114.2



#48  
Acenaphthylene  
Concen: 39.97 ng  
RT: 14.13 min Scan# 1947  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

Tgt Ion: 152 Resp: 647992  
Ion Ratio Lower Upper  
152 100  
151 20.6 17.0 25.4  
153 13.8 10.7 16.1

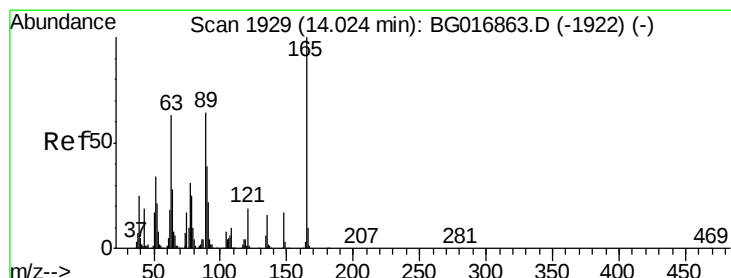
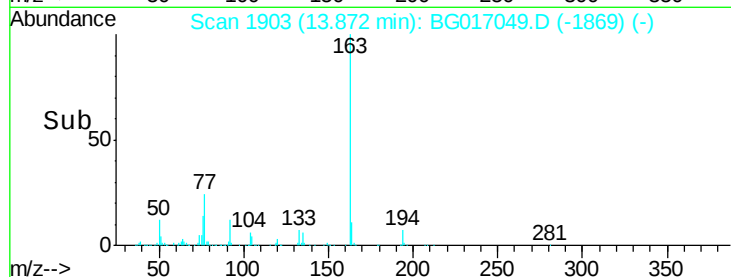
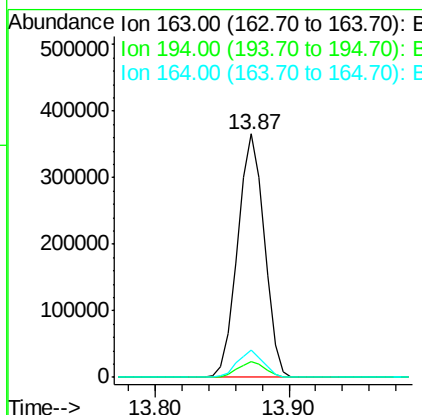
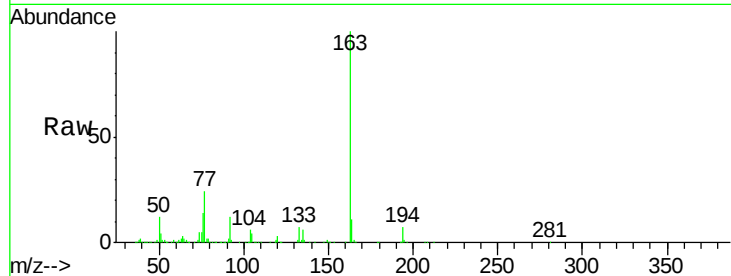




#49  
Dimethylphthalate  
Concen: 41.29 ng  
RT: 13.87 min Scan# 1903  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

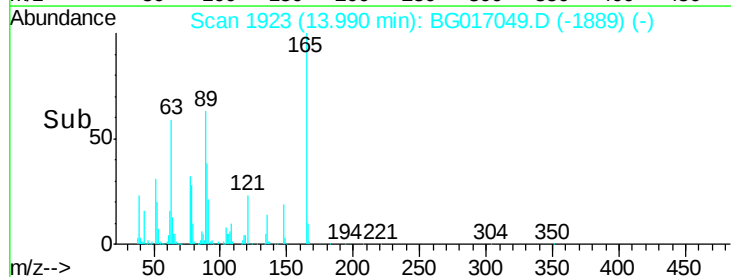
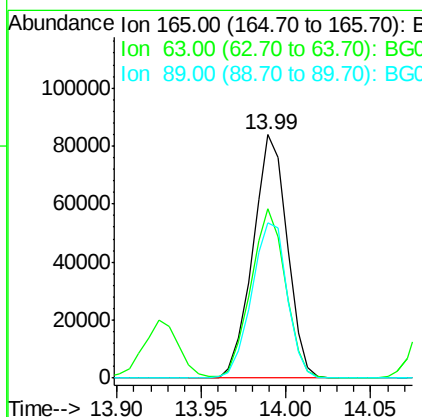
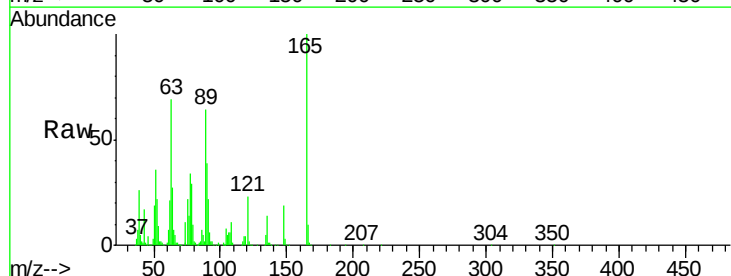
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 6.7   | 5.2   | 7.8   |
| 164     | 11.1  | 8.4   | 12.6  |



#50  
2,6-Dinitrotoluene  
Concen: 46.41 ng  
RT: 13.99 min Scan# 1923  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 69.5  | 50.9  | 76.3  |
| 89      | 63.6  | 51.4  | 77.2  |





#51

Acenaphthene

Concen: 38.66 ng

RT: 14.47 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

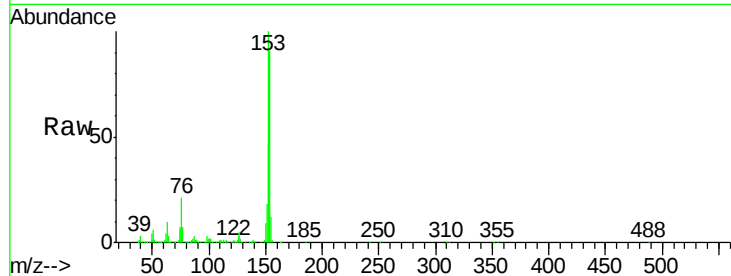
Tot Ion:154 Resp: 373073

Ion Ratio Lower Upper

154 100

153 109.4 84.2 126.4

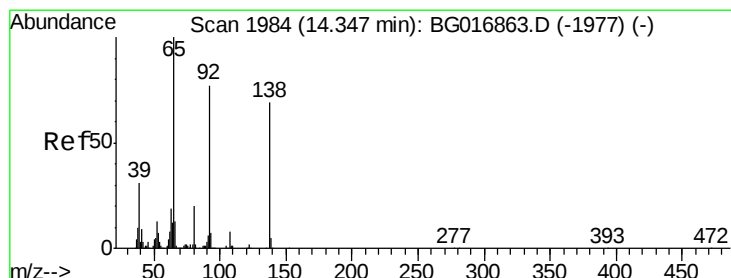
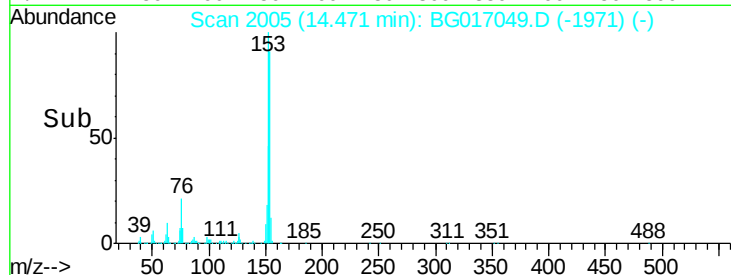
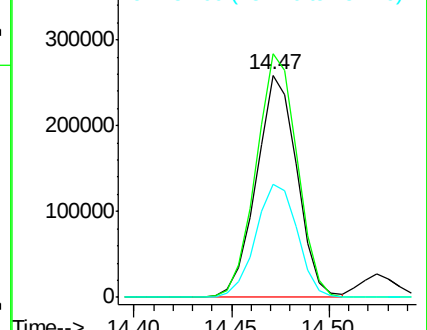
152 50.8 40.2 60.2



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: 44.98 ng

RT: 14.32 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

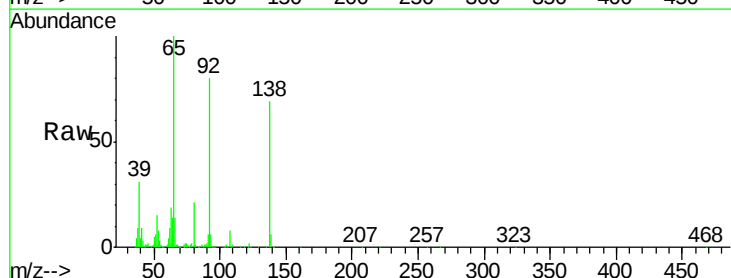
Tgt Ion:138 Resp: 130242

Ion Ratio Lower Upper

138 100

108 11.7 9.5 14.3

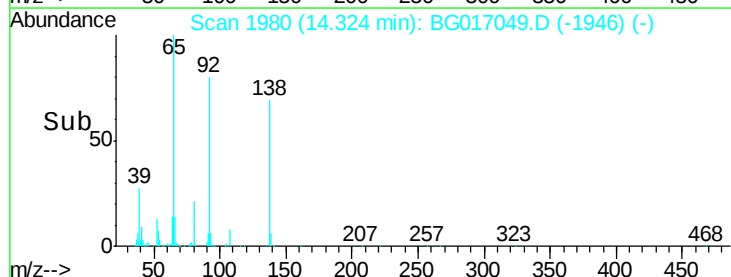
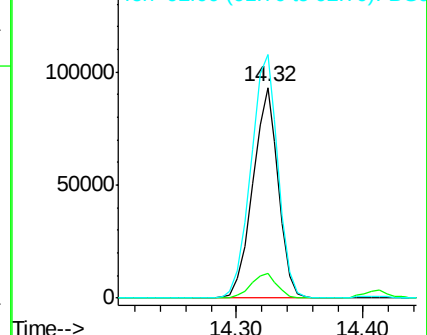
92 115.7 89.6 134.4

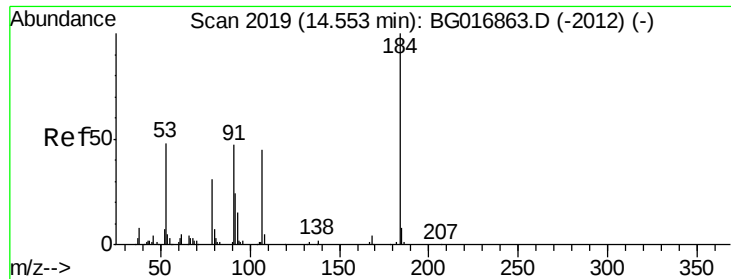


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

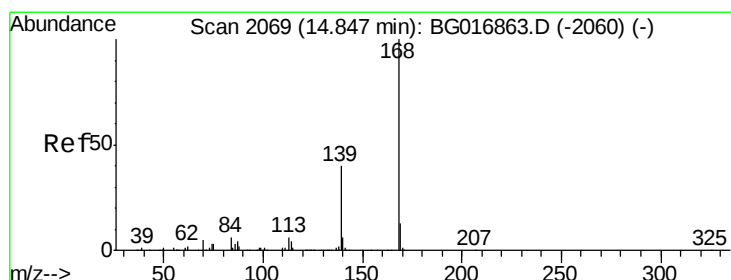
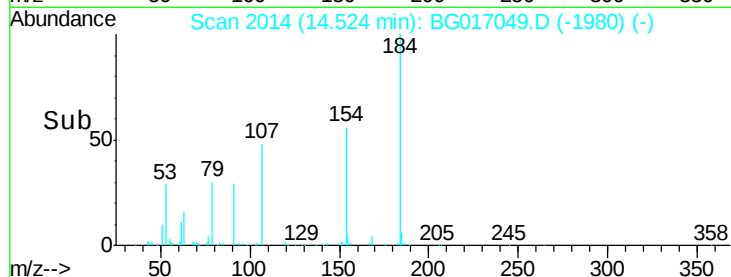
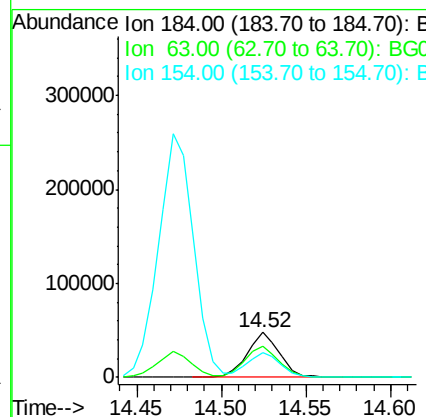
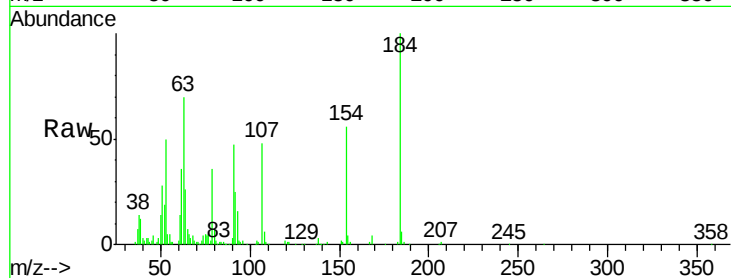




#53  
2,4-Dinitrophenol  
Concen: 54.69 ng  
RT: 14.52 min Scan# 2014  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

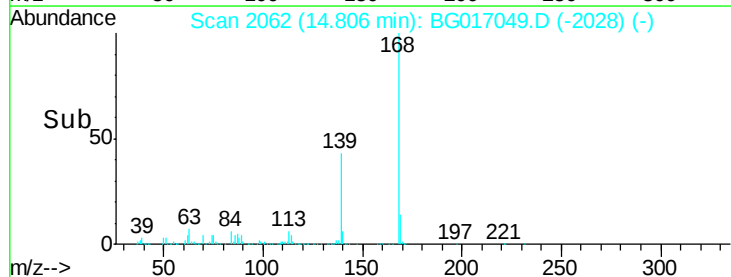
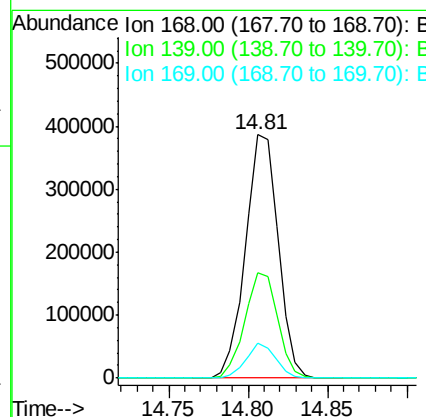
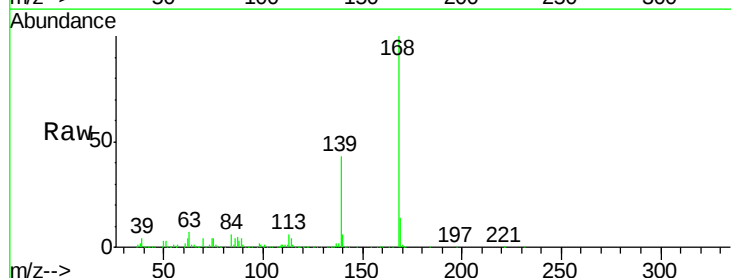
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

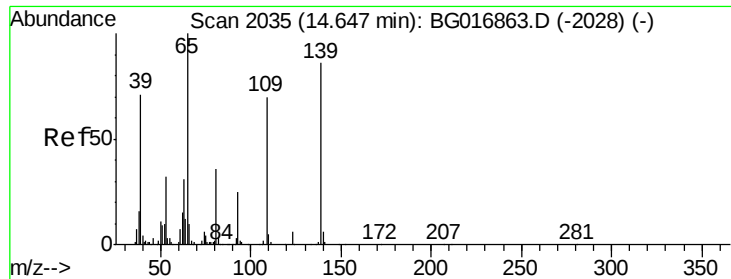
Tot Ion:184 Resp: 63670  
Ion Ratio Lower Upper  
184 100  
63 70.2 53.4 80.0  
154 55.9 41.0 61.6



#54  
Dibenzofuran  
Concen: 40.38 ng  
RT: 14.81 min Scan# 2062  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

Tgt Ion:168 Resp: 553201  
Ion Ratio Lower Upper  
168 100  
139 43.3 32.5 48.7  
169 14.3 10.4 15.6

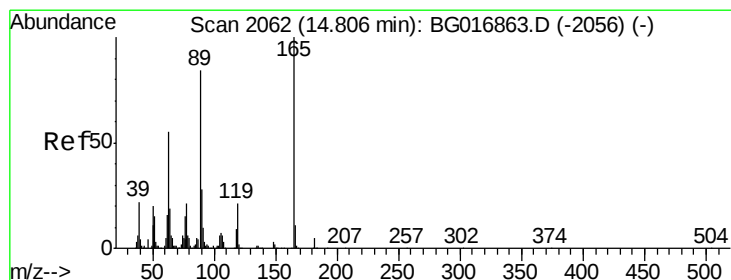
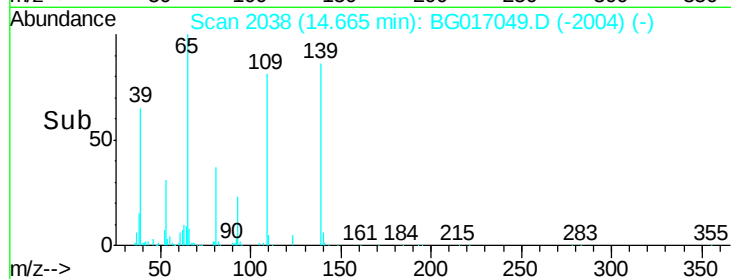
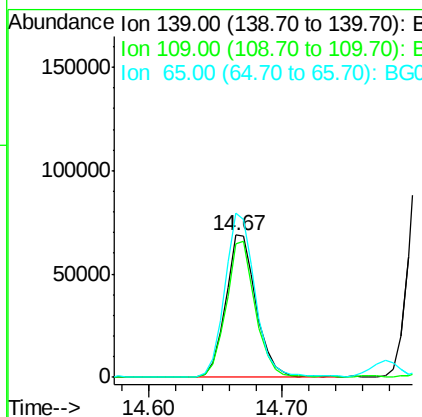
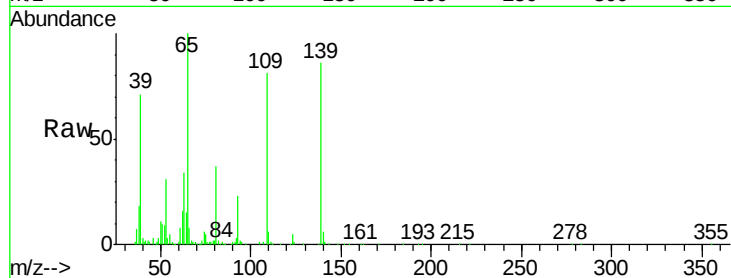




#55  
4-Nitrophenol  
Concen: 44.71 ng  
RT: 14.67 min Scan# 2038  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

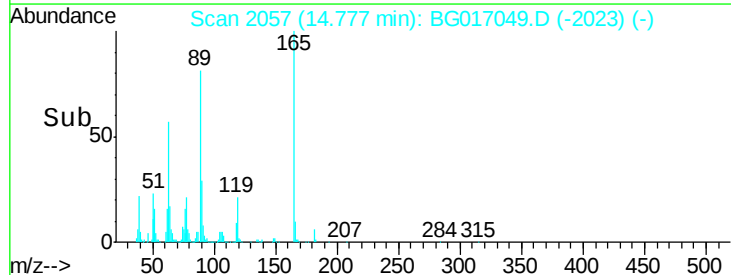
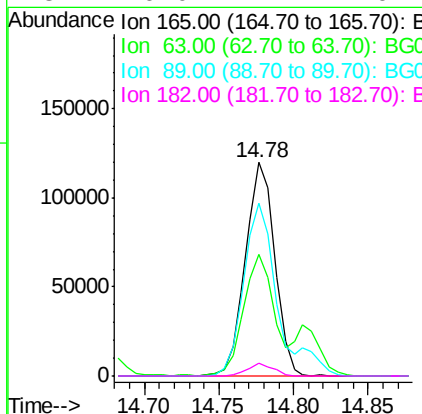
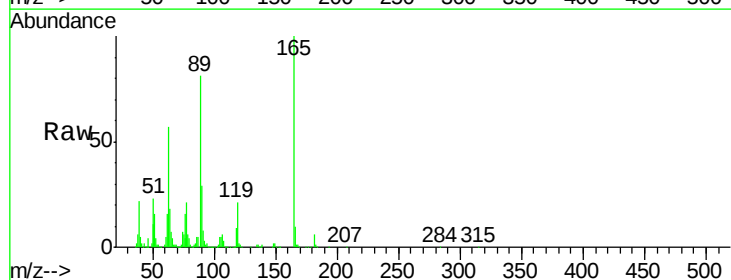
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

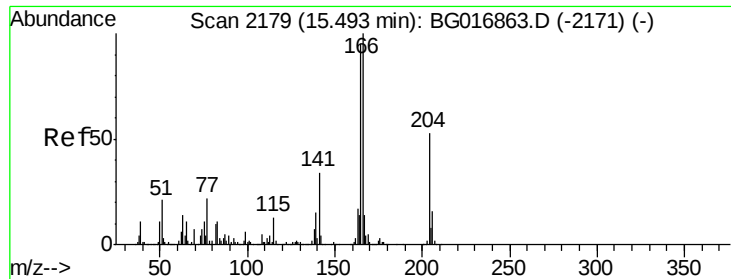
Tot Ion:139 Resp: 109768  
Ion Ratio Lower Upper  
139 100  
109 93.8 61.8 101.8  
65 115.7 96.8 136.8



#56  
2,4-Dinitrotoluene  
Concen: 50.12 ng  
RT: 14.78 min Scan# 2057  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

Tgt Ion:165 Resp: 163206  
Ion Ratio Lower Upper  
165 100  
63 57.0 44.2 66.4  
89 80.8 67.2 100.8  
182 6.0 4.2 6.4

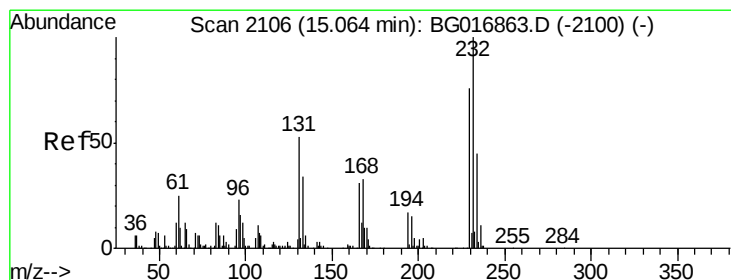
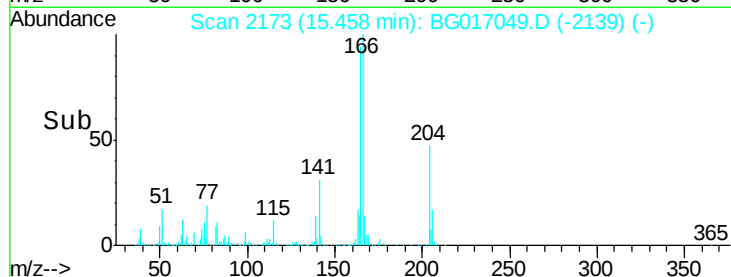
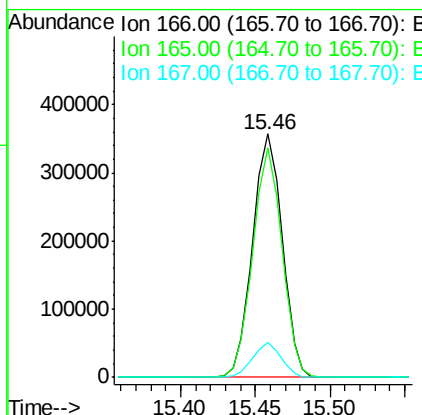
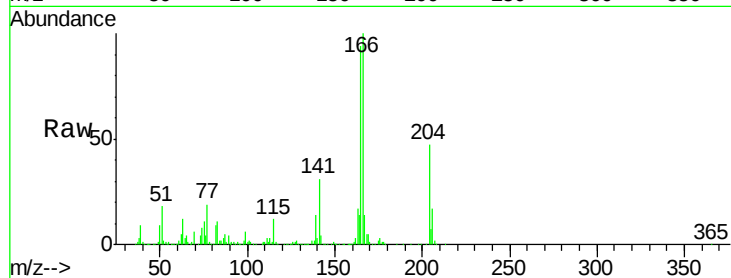




#57  
**Fluorene**  
 Concen: 40.34 ng  
 RT: 15.46 min Scan# 2173  
 Delta R.T. 0.00 min  
 Lab File: BG017049.D  
 Acq: 11 May 2015 12:35

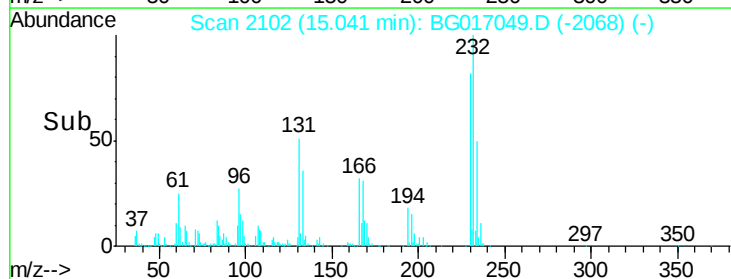
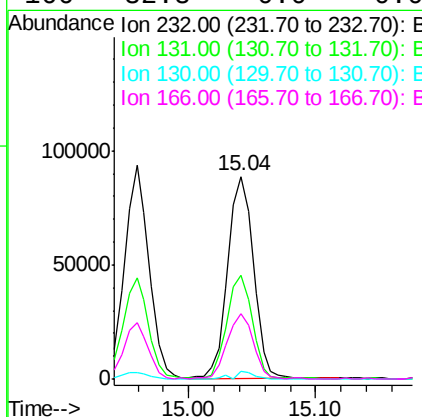
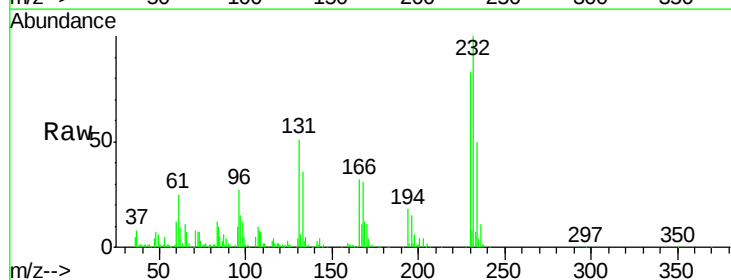
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

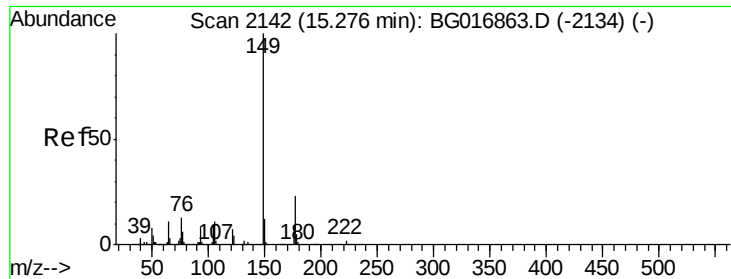
| Tot Ion   | 166   | Resp  | 489342 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 94.4  | 76.1  | 114.1  |
| 167       | 14.5  | 11.4  | 17.2   |



#58  
**2,3,4,6-Tetrachlorophenol**  
 Concen: 43.27 ng  
 RT: 15.04 min Scan# 2102  
 Delta R.T. 0.00 min  
 Lab File: BG017049.D  
 Acq: 11 May 2015 12:35

| Tgt Ion   | 232   | Resp  | 124644 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 232       | 100   |       |        |
| 131       | 50.2  | 0.1   | 0.1#   |
| 130       | 3.1   | 0.0   | 0.0#   |
| 166       | 32.8  | 0.0   | 0.0#   |

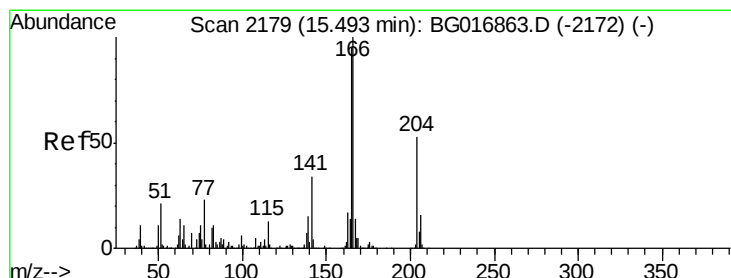
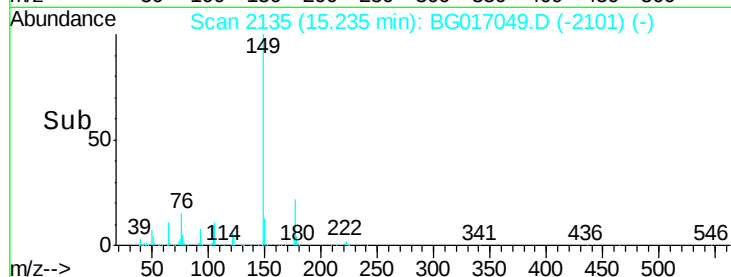
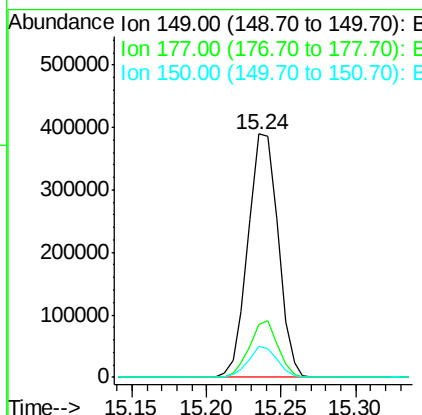
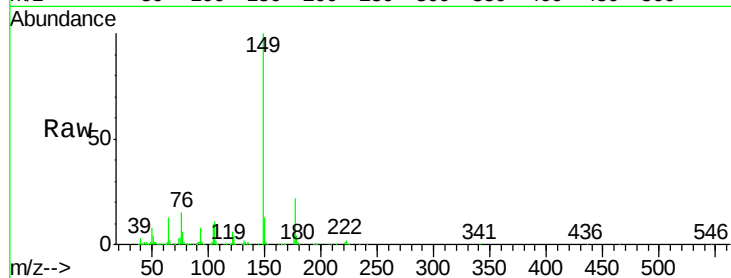




#59  
Diethylphthalate  
Concen: 41.95 ng  
RT: 15.24 min Scan# 2135  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

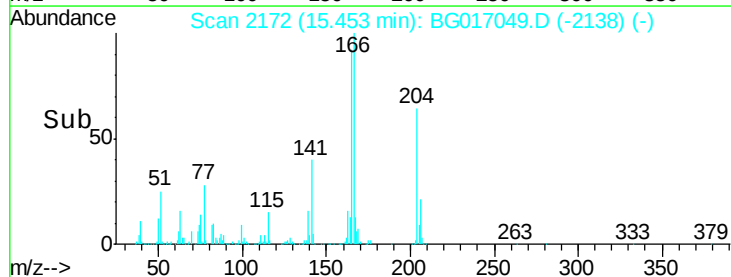
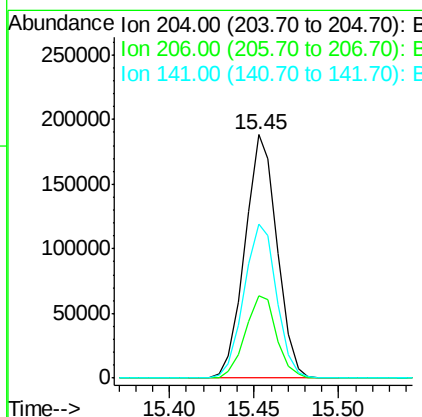
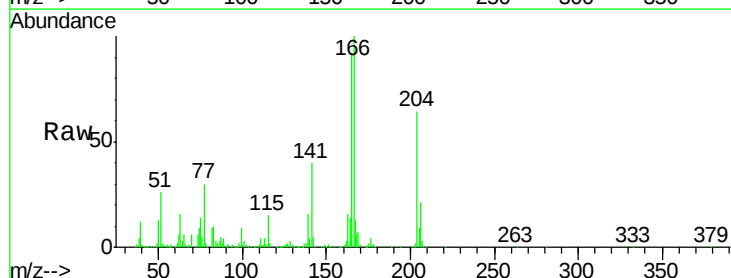
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

Tot Ion:149 Resp: 542821  
Ion Ratio Lower Upper  
149 100  
177 22.0 18.6 27.8  
150 12.5 9.8 14.8



#60  
4-Chlorophenyl-phenylether  
Concen: 40.81 ng  
RT: 15.45 min Scan# 2172  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

Tgt Ion:204 Resp: 248751  
Ion Ratio Lower Upper  
204 100  
206 33.6 24.8 37.2  
141 63.4 52.4 78.6

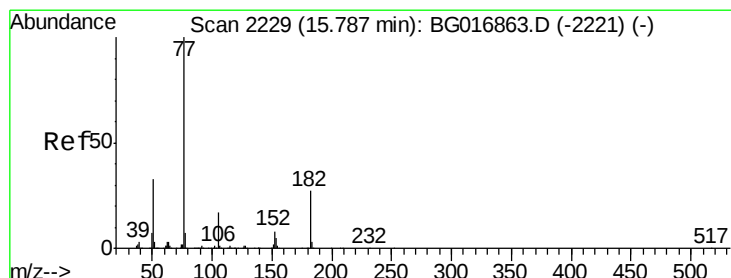
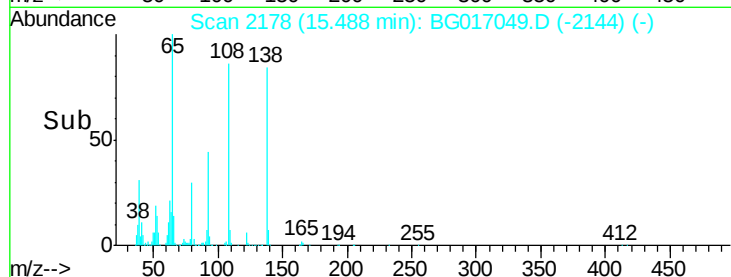
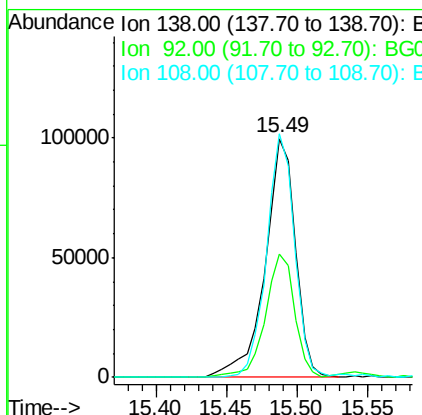
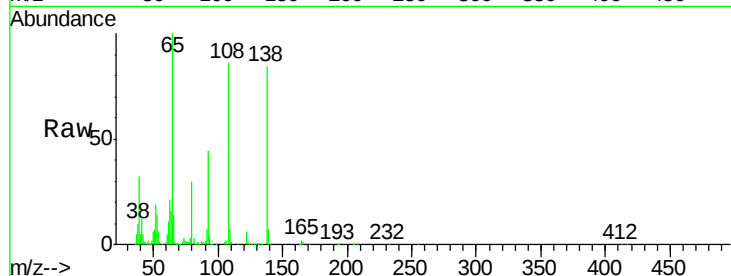




#61  
4-Nitroaniline  
Concen: 44.79 ng  
RT: 15.49 min Scan# 2178  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

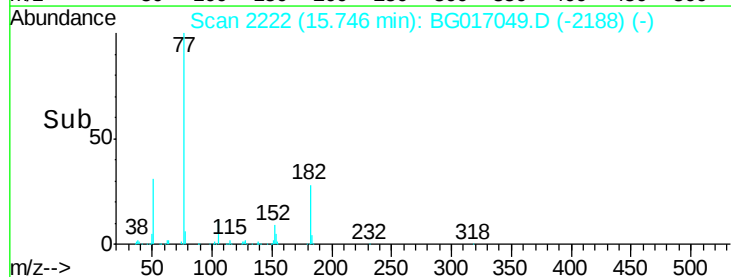
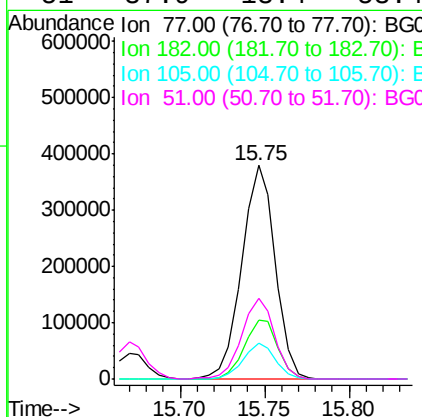
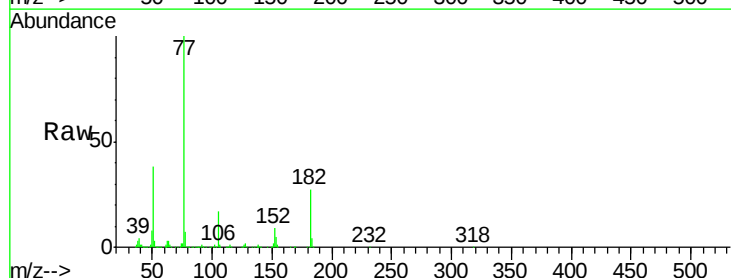
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

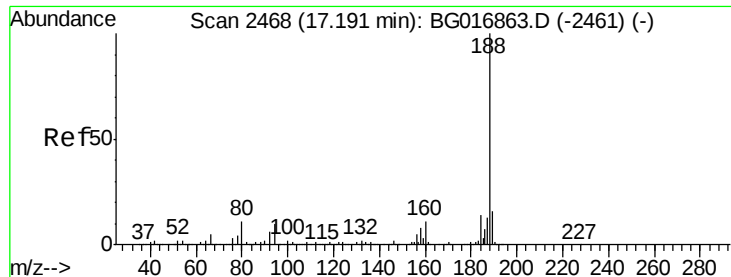
Tot Ion:138 Resp: 150349  
Ion Ratio Lower Upper  
138 100  
92 51.9 31.8 71.8  
108 101.9 70.6 110.6



#62  
Azobenzene  
Concen: 38.67 ng  
RT: 15.75 min Scan# 2222  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

Tgt Ion: 77 Resp: 518244  
Ion Ratio Lower Upper  
77 100  
182 27.3 7.4 47.4  
105 16.6 0.0 36.6  
51 37.9 13.4 53.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.16 min Scan# 2462

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

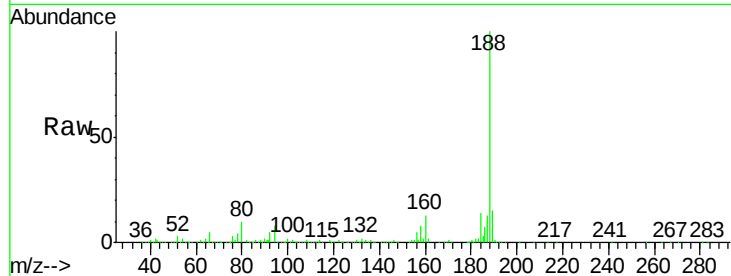
Tot Ion:188 Resp: 355064

Ion Ratio Lower Upper

188 100

94 7.8 8.2 12.4#

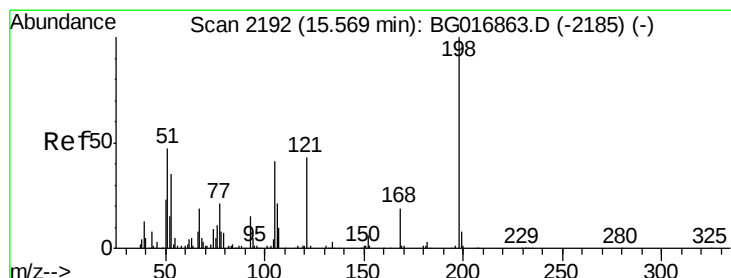
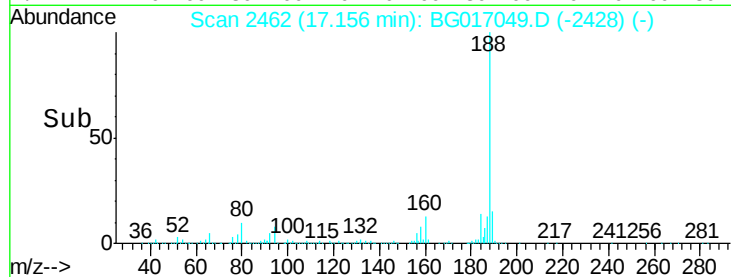
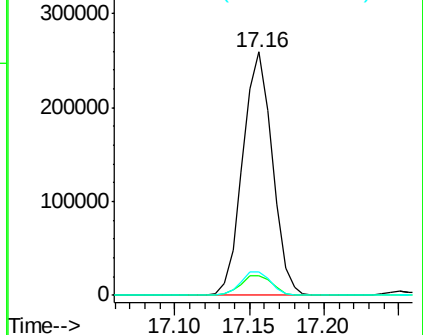
80 9.6 8.8 13.2



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: 55.83 ng

RT: 15.54 min Scan# 2187

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

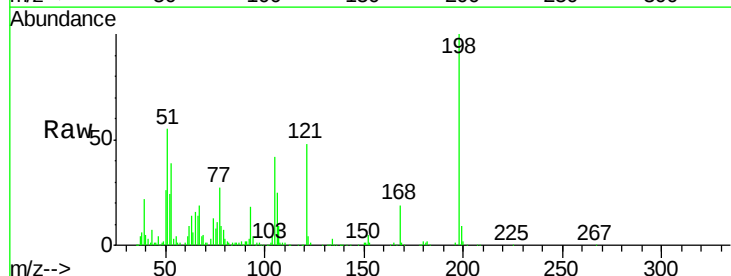
Tgt Ion:198 Resp: 98289

Ion Ratio Lower Upper

198 100

51 54.7 31.2 71.2

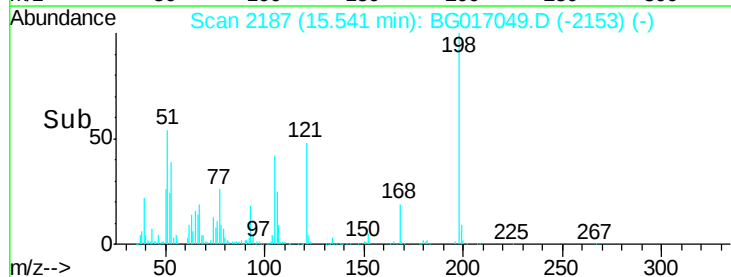
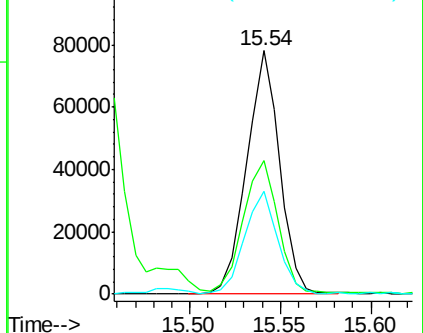
105 42.0 22.0 62.0

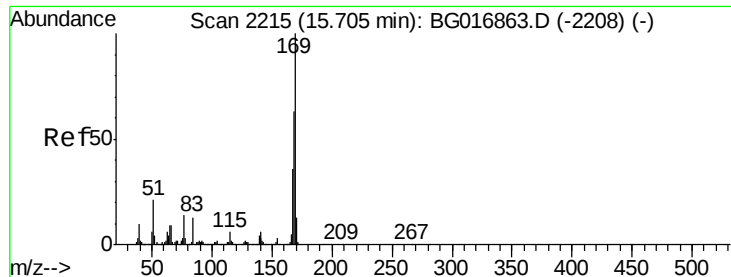


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

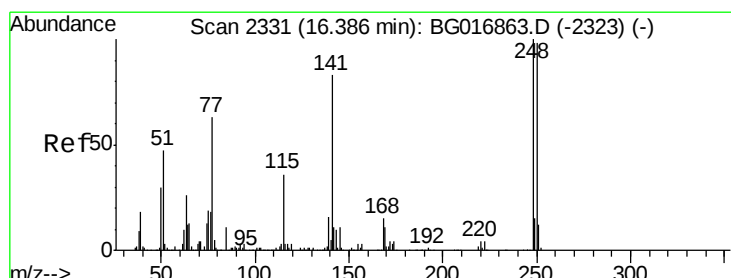
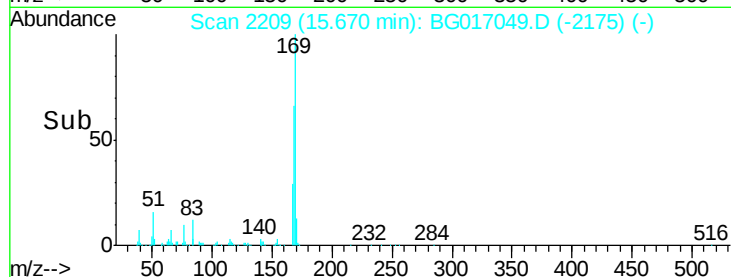
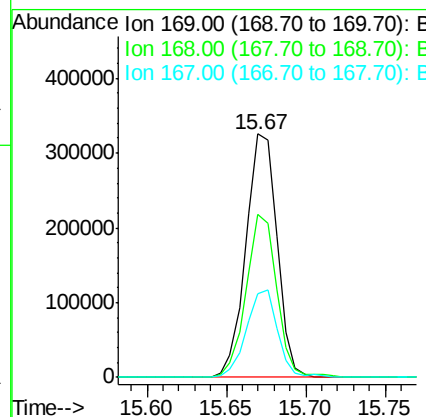
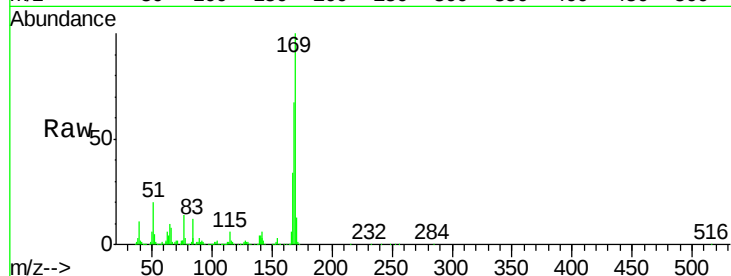




#65  
n-Nitrosodiphenylamine  
Concen: 41.04 ng  
RT: 15.67 min Scan# 2209  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

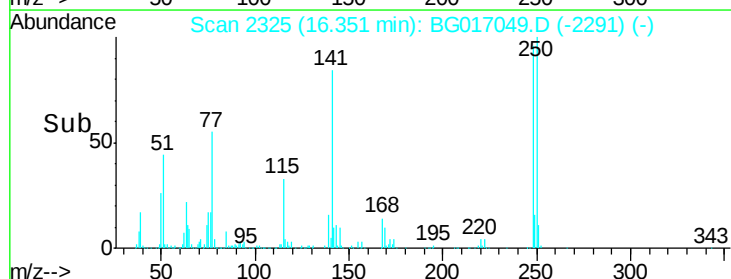
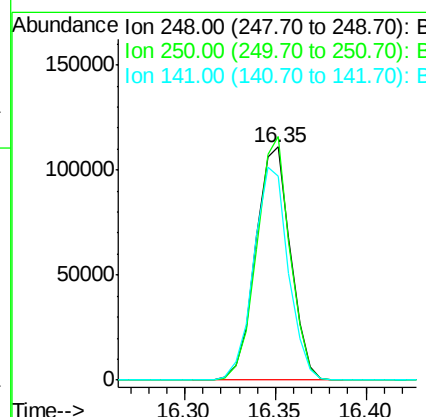
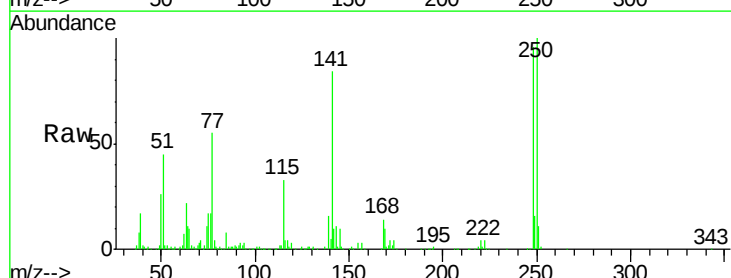
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

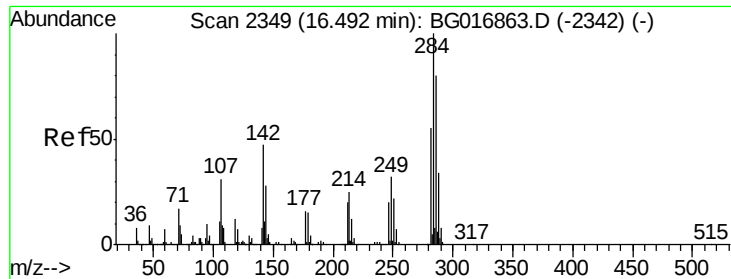
Tot Ion:169 Resp: 444812  
Ion Ratio Lower Upper  
169 100  
168 66.8 50.6 76.0  
167 34.5 29.0 43.4



#66  
4-Bromophenyl-phenylether  
Concen: 41.62 ng  
RT: 16.35 min Scan# 2325  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

Tgt Ion:248 Resp: 148336  
Ion Ratio Lower Upper  
248 100  
250 104.5 78.6 117.8  
141 87.8 66.3 99.5

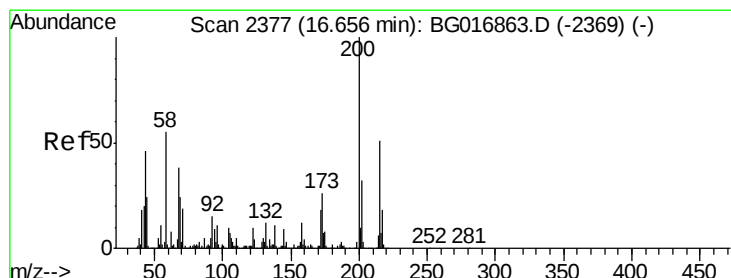
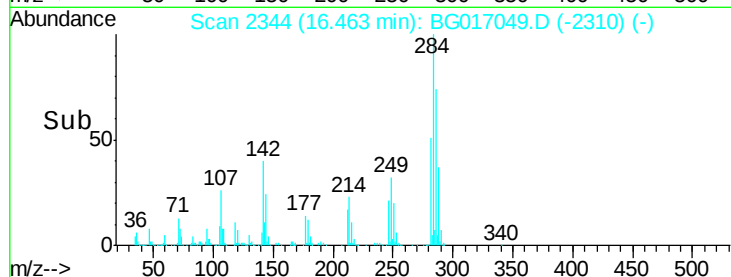
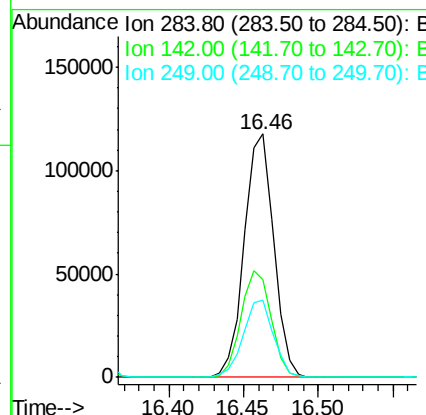
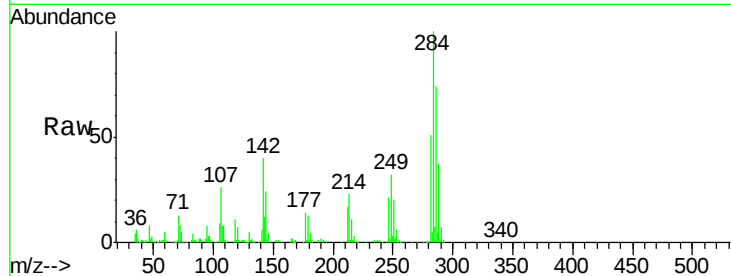




#67  
Hexachlorobenzene  
Concen: 42.92 ng  
RT: 16.46 min Scan# 2344  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

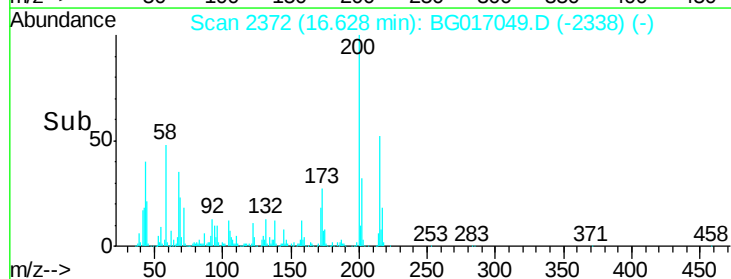
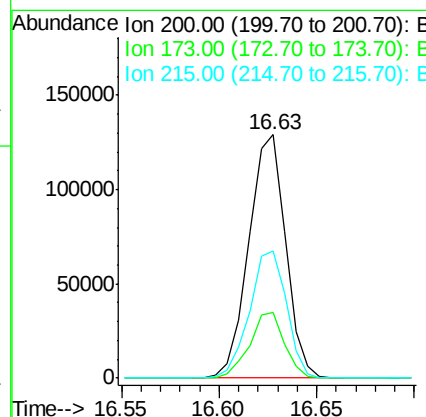
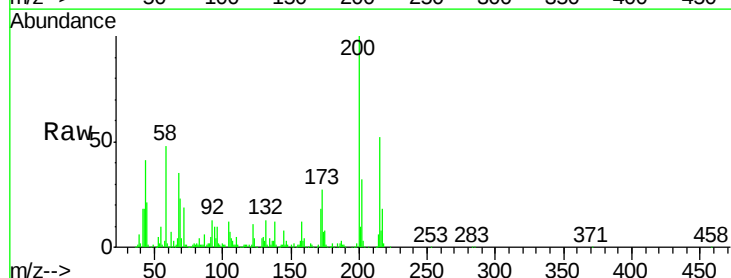
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

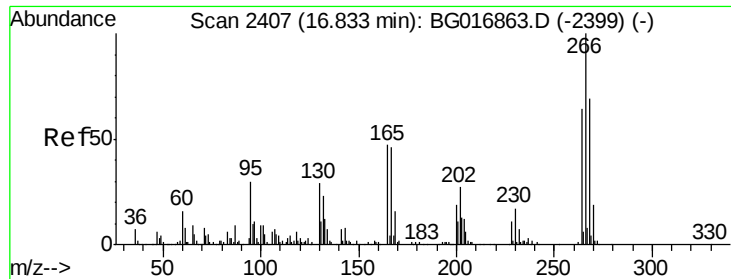
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 39.9  | 37.4  | 56.0  |
| 249     | 31.5  | 25.5  | 38.3  |



#68  
Atrazine  
Concen: 43.25 ng  
RT: 16.63 min Scan# 2372  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 26.8  | 6.1   | 46.1  |
| 215     | 52.3  | 30.8  | 70.8  |

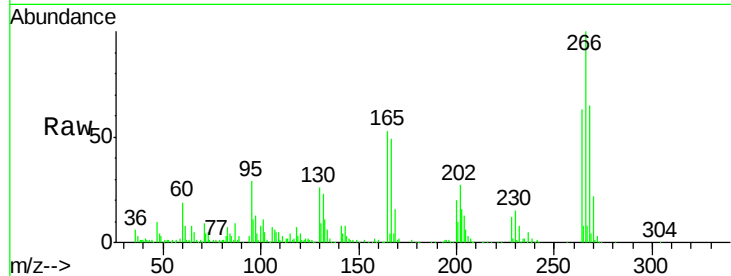




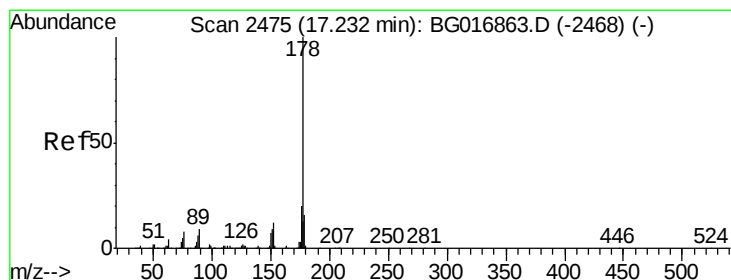
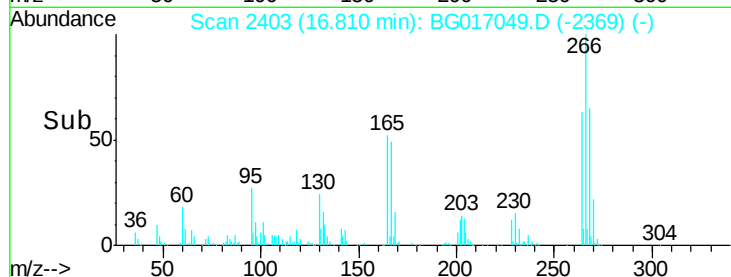
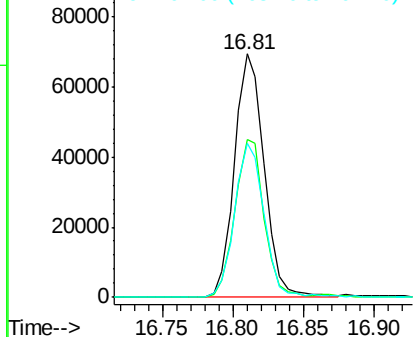
#69  
 Pentachlorophenol  
 Concen: 41.72 ng  
 RT: 16.81 min Scan# 2403  
 Delta R.T. 0.00 min  
 Lab File: BG017049.D  
 Acq: 11 May 2015 12:35

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Tot Ion:266 Resp: 101802  
 Ion Ratio Lower Upper  
 266 100  
 268 64.9 55.2 82.8  
 264 63.5 51.4 77.0

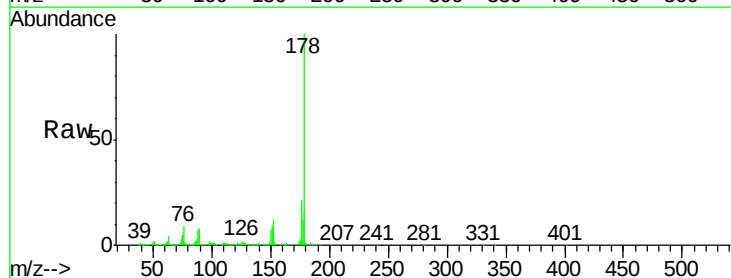


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

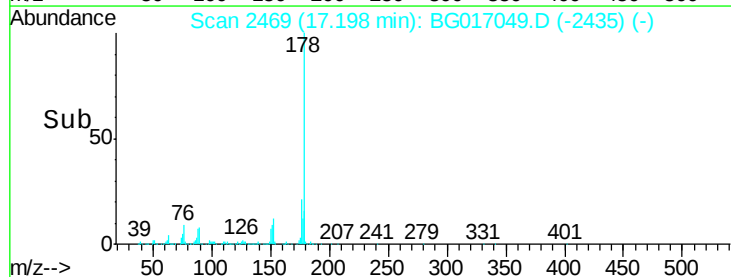
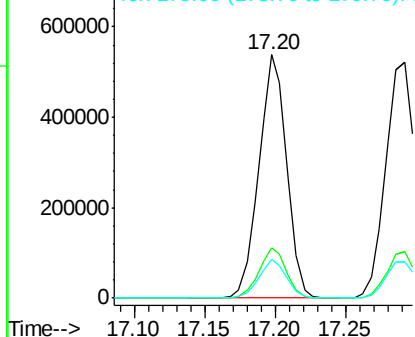


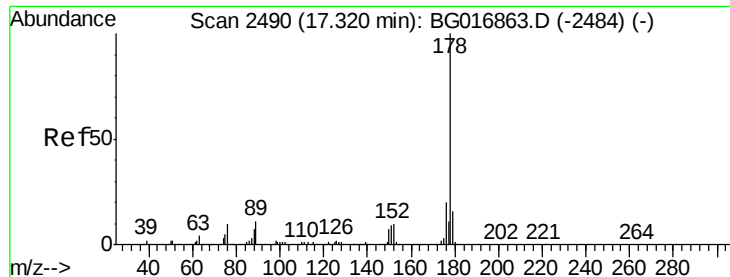
#70  
 Phenanthrene  
 Concen: 40.69 ng  
 RT: 17.20 min Scan# 2469  
 Delta R.T. 0.00 min  
 Lab File: BG017049.D  
 Acq: 11 May 2015 12:35

Tgt Ion:178 Resp: 743528  
 Ion Ratio Lower Upper  
 178 100  
 176 20.8 16.0 24.0  
 179 16.0 13.0 19.6



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

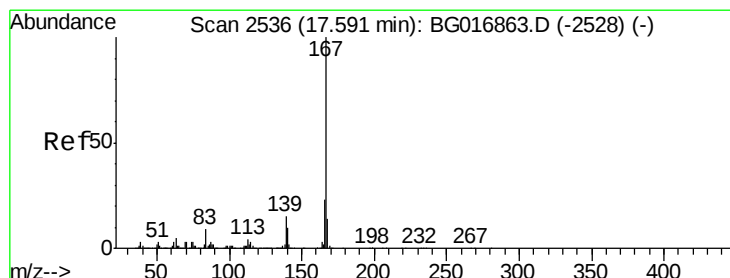
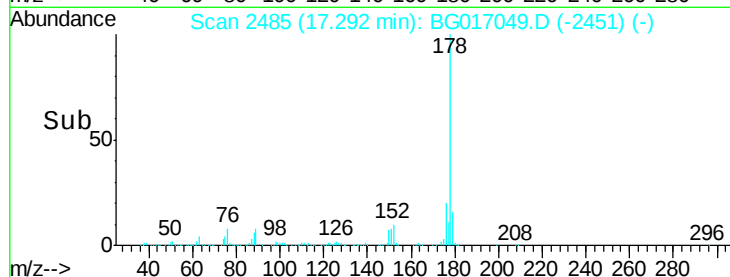
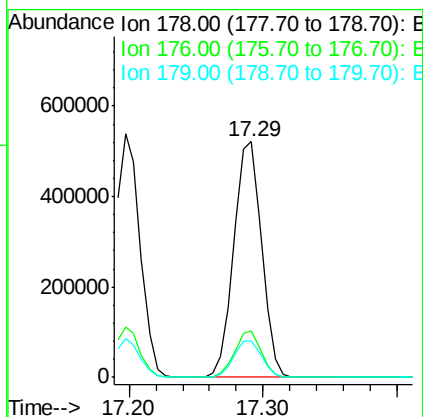
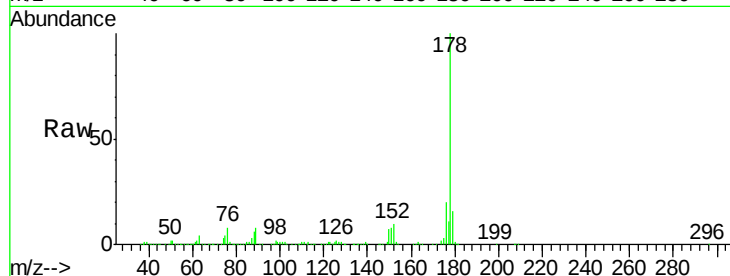




#71  
 Anthracene  
 Concen: 41.08 ng  
 RT: 17.29 min Scan# 2485  
 Delta R.T. 0.00 min  
 Lab File: BG017049.D  
 Acq: 11 May 2015 12:35

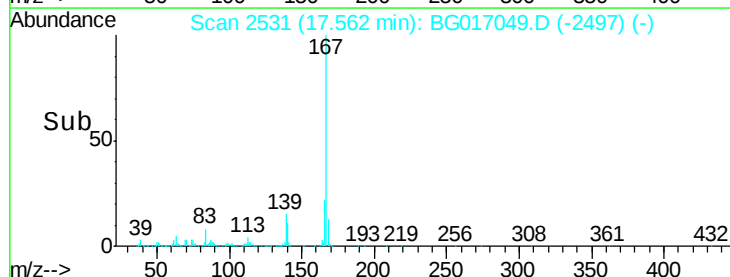
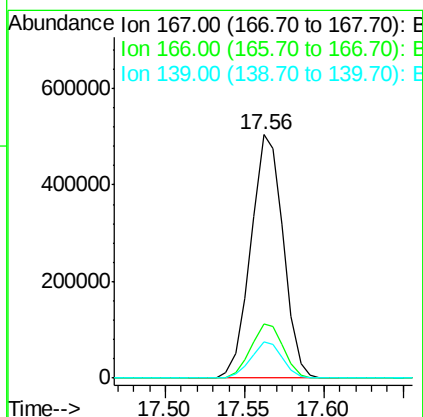
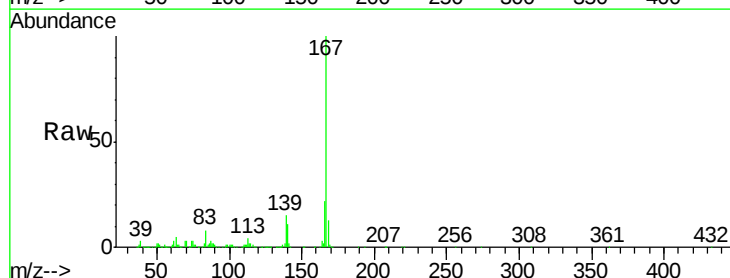
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

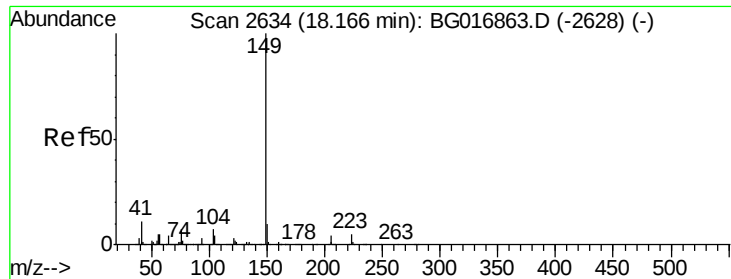
Tot Ion:178 Resp: 757225  
 Ion Ratio Lower Upper  
 178 100  
 176 19.5 16.2 24.4  
 179 15.6 13.1 19.7



#72  
 Carbazole  
 Concen: 40.83 ng  
 RT: 17.56 min Scan# 2531  
 Delta R.T. 0.00 min  
 Lab File: BG017049.D  
 Acq: 11 May 2015 12:35

Tgt Ion:167 Resp: 715601  
 Ion Ratio Lower Upper  
 167 100  
 166 22.1 18.4 27.6  
 139 14.9 12.2 18.4





#73

Di-n-butylphthalate

Concen: 42.10 ng

RT: 18.13 min Scan# 2627

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

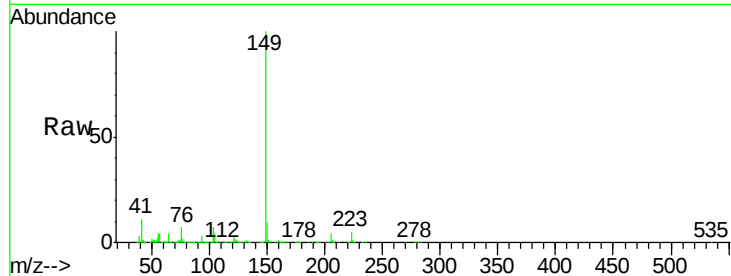
Tot Ion:149 Resp: 956423

Ion Ratio Lower Upper

149 100

150 9.9 7.7 11.5

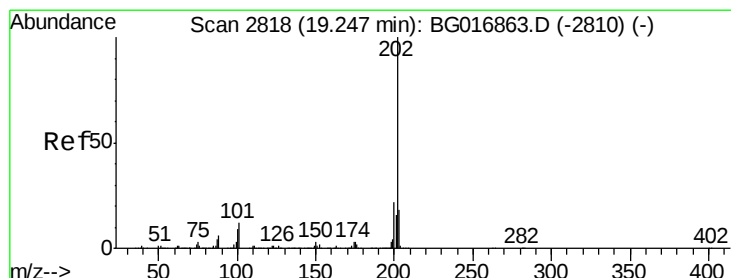
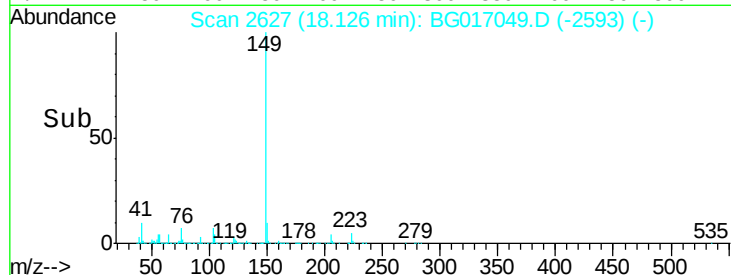
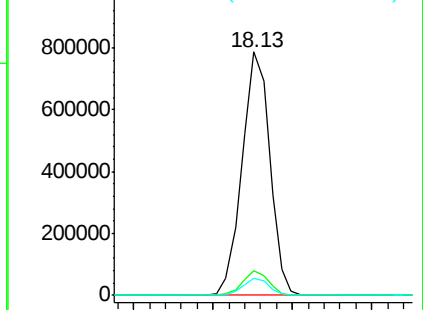
104 7.1 5.4 8.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 41.57 ng

RT: 19.22 min Scan# 2813

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

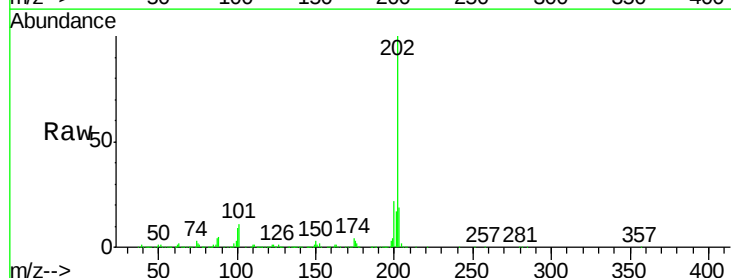
Tgt Ion:202 Resp: 881179

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.5

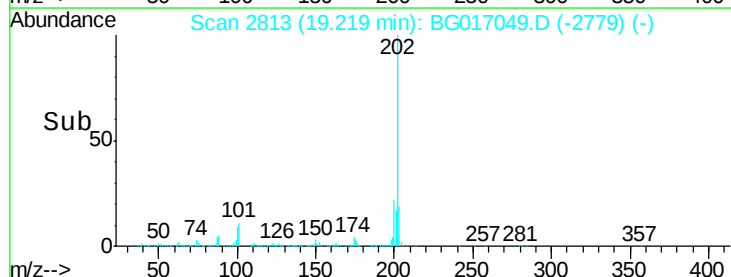
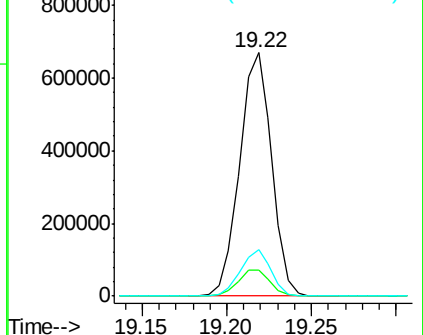
203 19.2 0.0 38.1

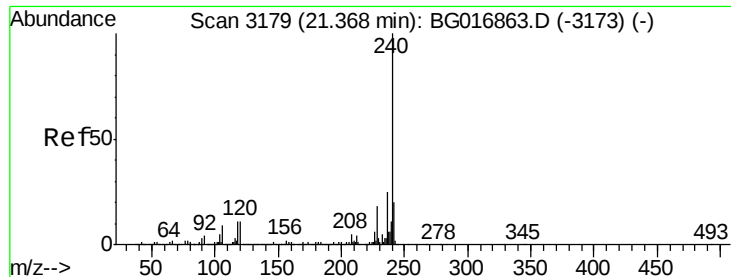


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.34 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

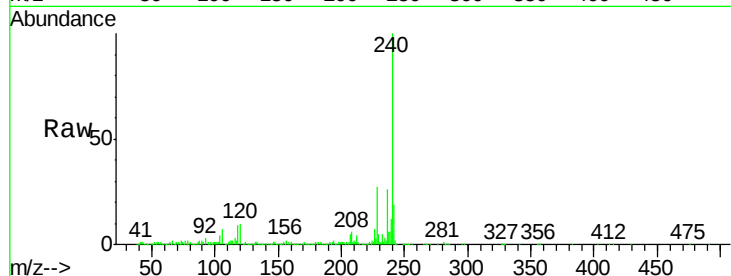
Tot Ion:240 Resp: 365149

Ion Ratio Lower Upper

240 100

120 9.8 9.1 13.7

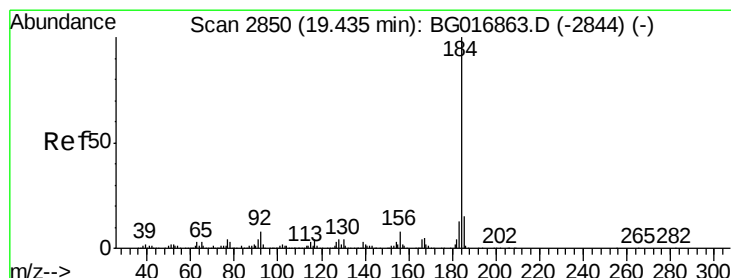
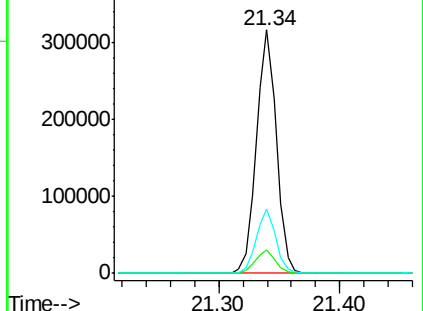
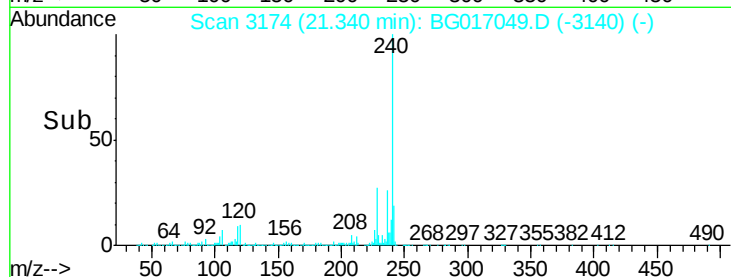
236 26.3 20.2 30.4



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: 38.89 ng

RT: 19.41 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

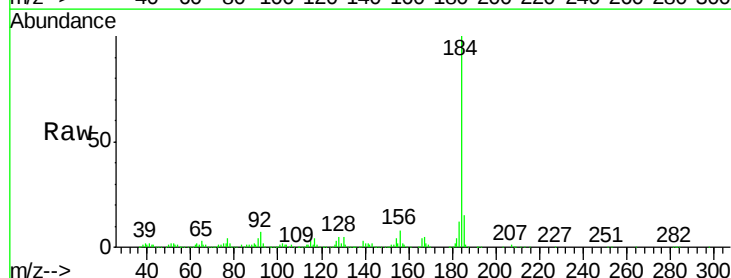
Tgt Ion:184 Resp: 482489

Ion Ratio Lower Upper

184 100

185 14.8 11.8 17.6

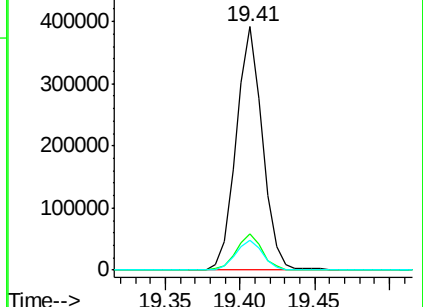
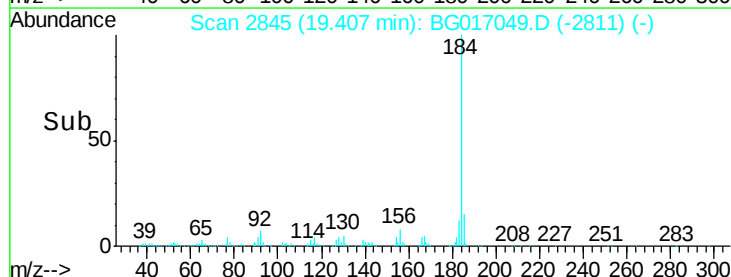
183 12.2 10.6 15.8

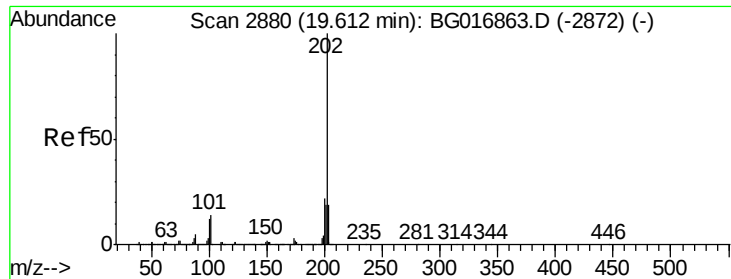


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 41.41 ng

RT: 19.58 min Scan# 2875

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

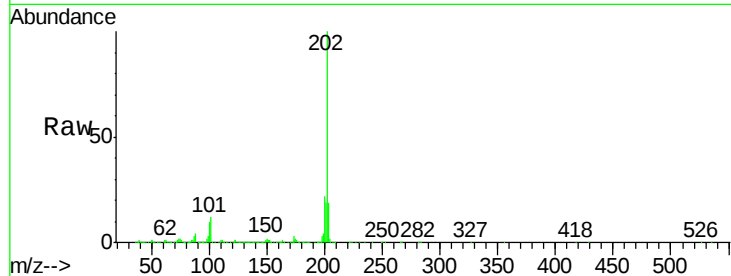
Tot Ion:202 Resp: 892396

Ion Ratio Lower Upper

202 100

200 22.0 17.9 26.9

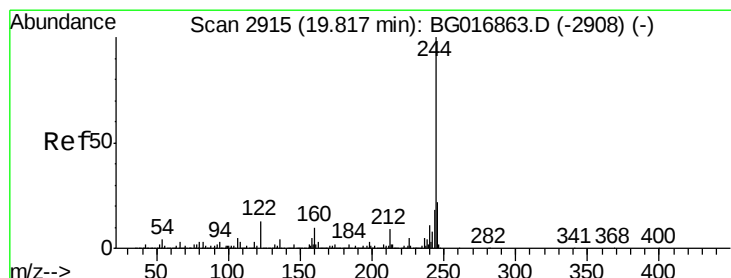
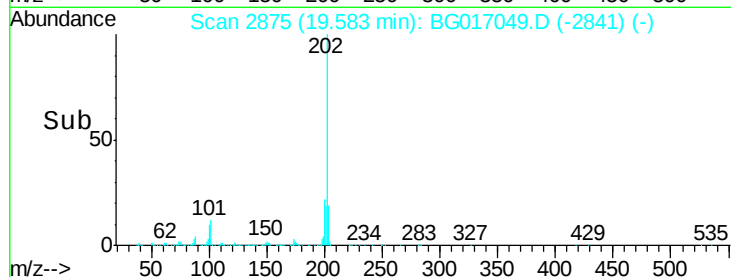
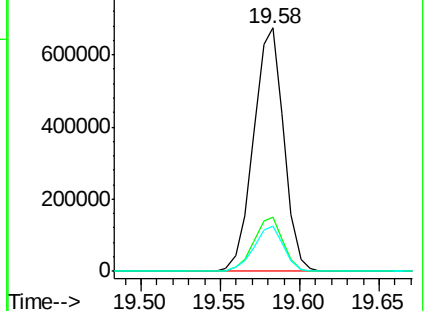
203 18.8 15.2 22.8



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: 88.42 ng

RT: 19.79 min Scan# 2910

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

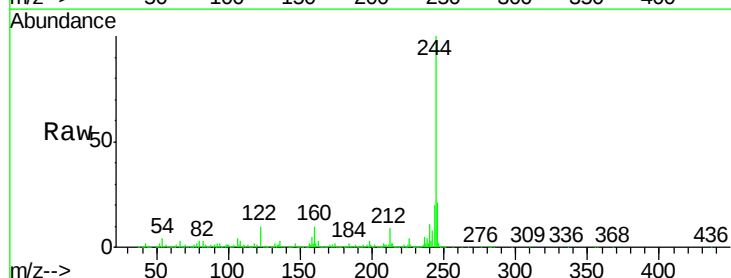
Tgt Ion:244 Resp: 1377302

Ion Ratio Lower Upper

244 100

212 9.0 7.0 10.6

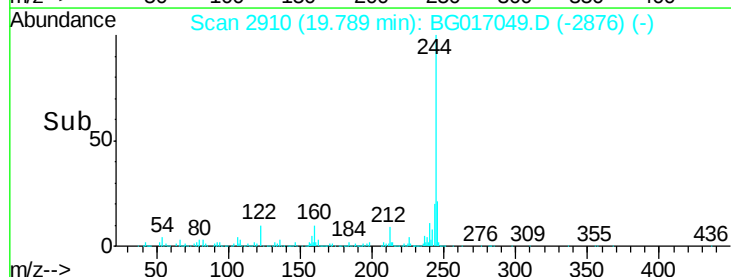
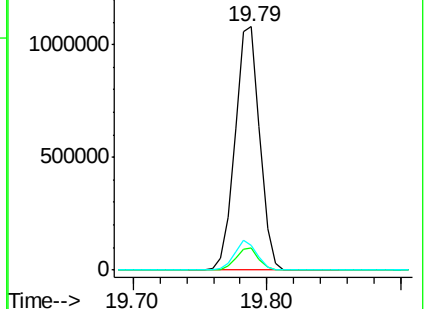
122 10.4 10.4 15.6#

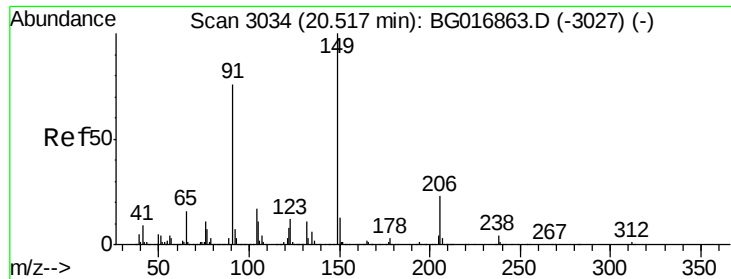


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

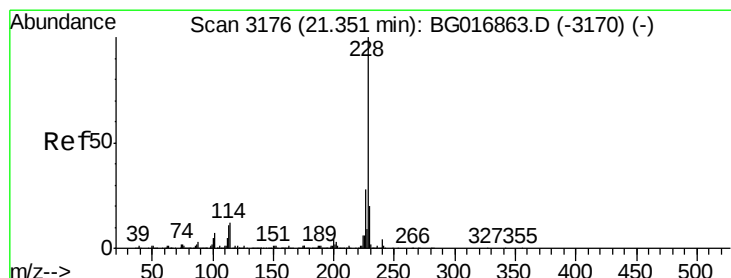
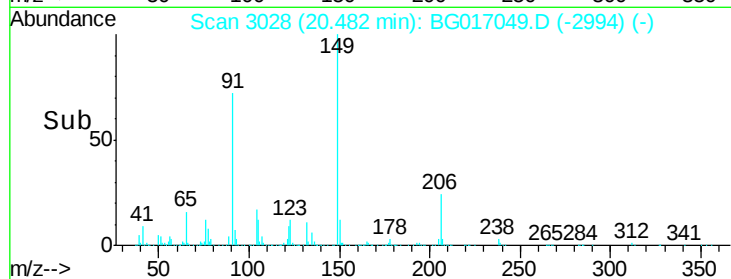
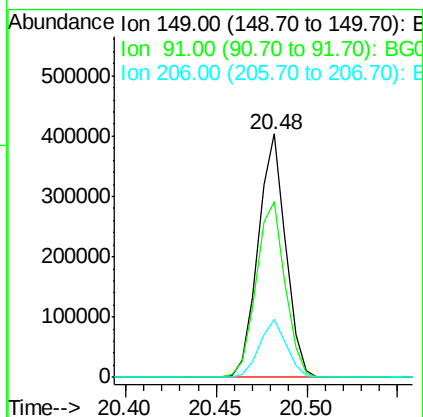
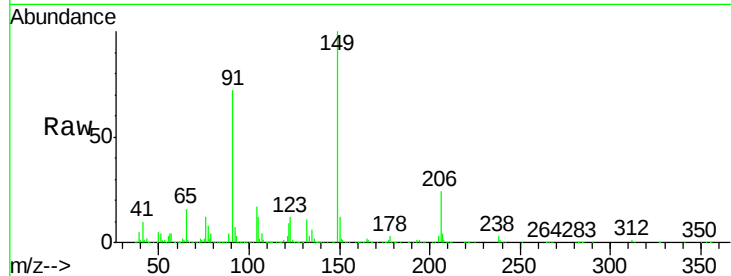




#79  
Butylbenzylphthalate  
Concen: 41.56 ng  
RT: 20.48 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

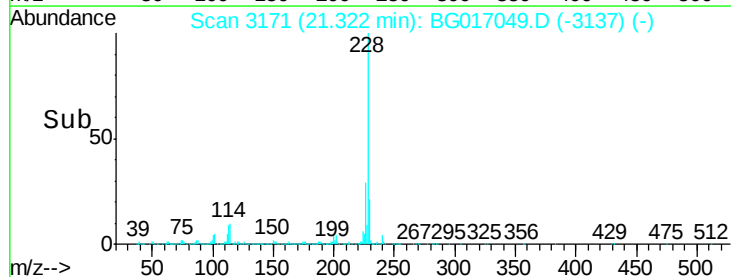
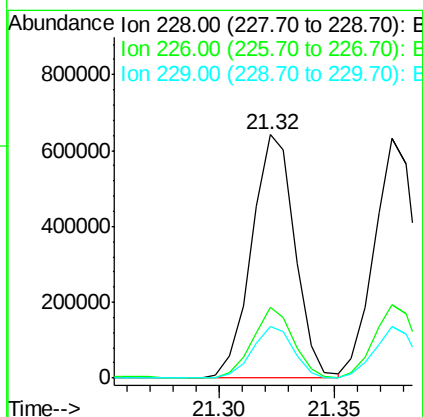
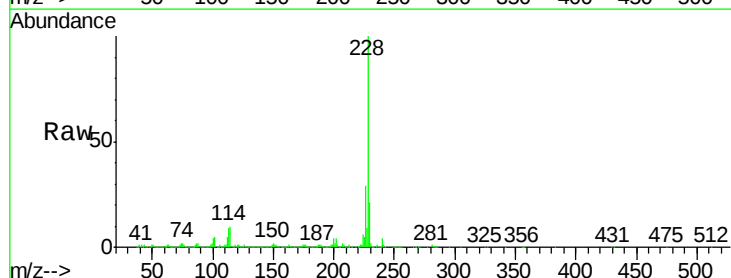
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

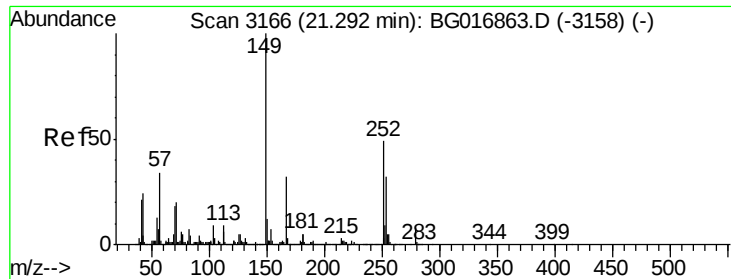
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 72.3  | 60.6  | 91.0  |
| 206     | 24.0  | 18.4  | 27.6  |



#80  
Benzo(a)anthracene  
Concen: 42.58 ng  
RT: 21.32 min Scan# 3171  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.9  | 22.7  | 34.1  |
| 229     | 21.4  | 16.1  | 24.1  |

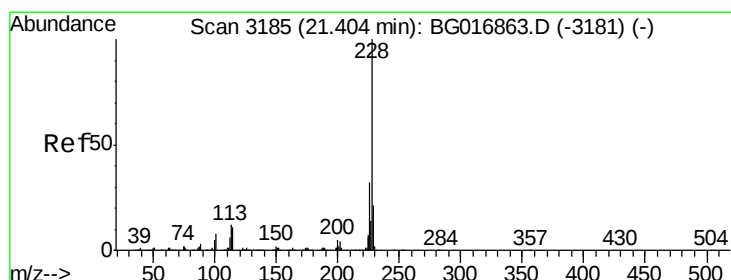
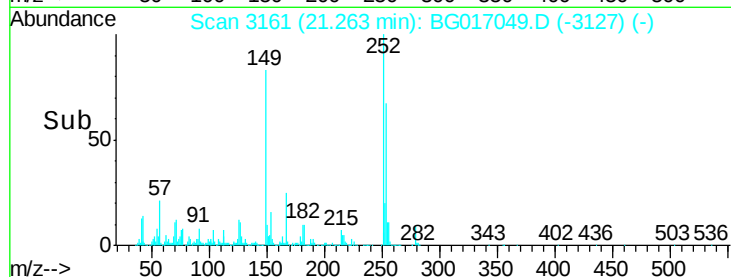
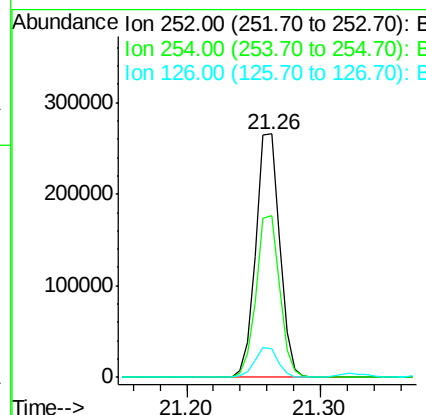
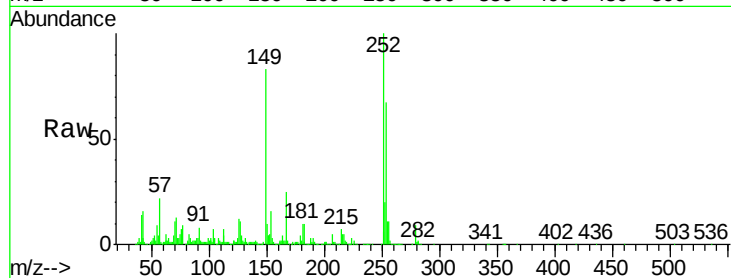




#81  
 3,3'-Dichlorobenzidine  
 Concen: 42.58 ng  
 RT: 21.26 min Scan# 3161  
 Delta R.T. 0.00 min  
 Lab File: BG017049.D  
 Acq: 11 May 2015 12:35

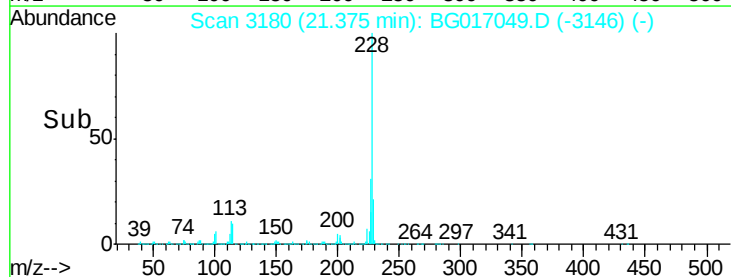
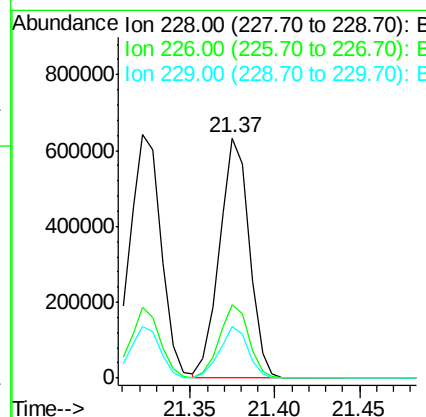
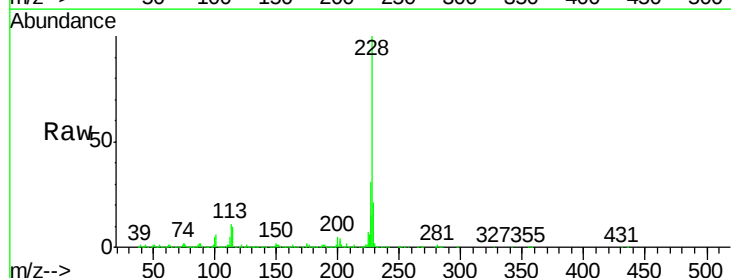
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

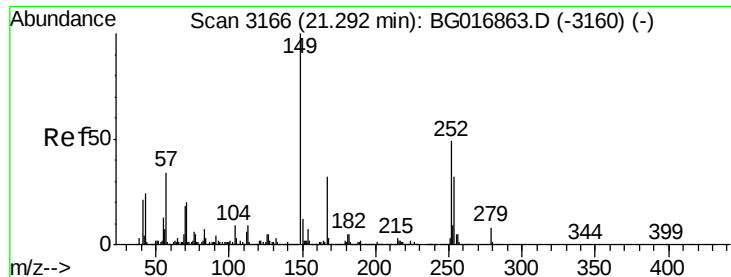
Tot Ion:252 Resp: 325680  
 Ion Ratio Lower Upper  
 252 100  
 254 66.5 51.7 77.5  
 126 11.8 8.9 13.3



#82  
 Chrysene  
 Concen: 42.33 ng  
 RT: 21.37 min Scan# 3180  
 Delta R.T. 0.00 min  
 Lab File: BG017049.D  
 Acq: 11 May 2015 12:35

Tgt Ion:228 Resp: 776697  
 Ion Ratio Lower Upper  
 228 100  
 226 30.8 25.4 38.0  
 229 21.5 16.5 24.7

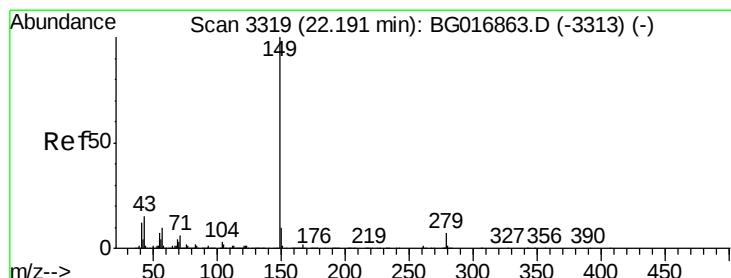
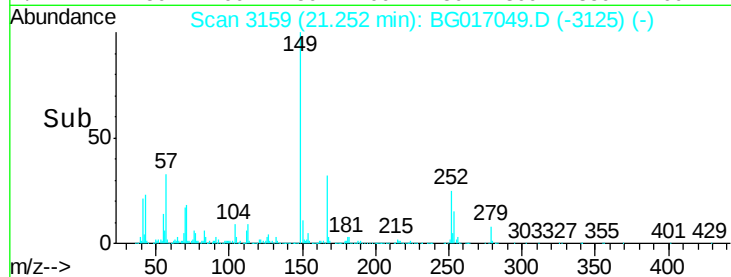
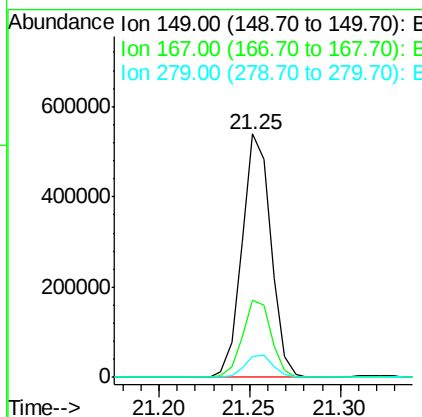
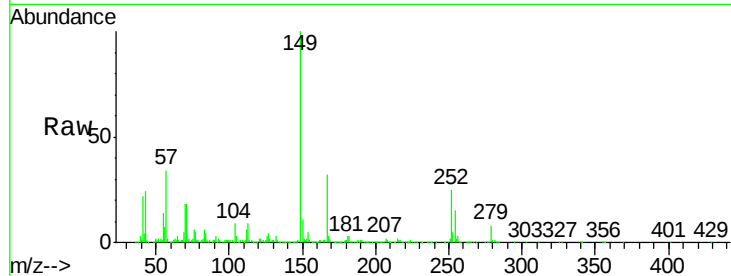




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 42.43 ng  
 RT: 21.25 min Scan# 3159  
 Delta R.T. 0.00 min  
 Lab File: BG017049.D  
 Acq: 11 May 2015 12:35

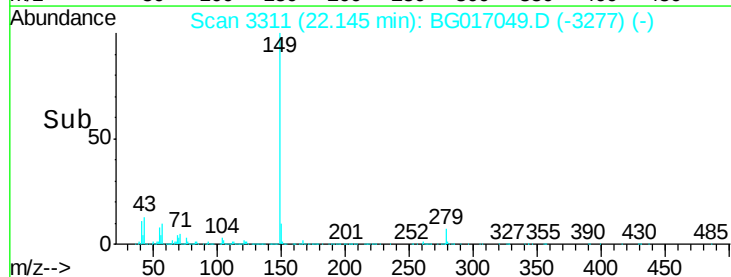
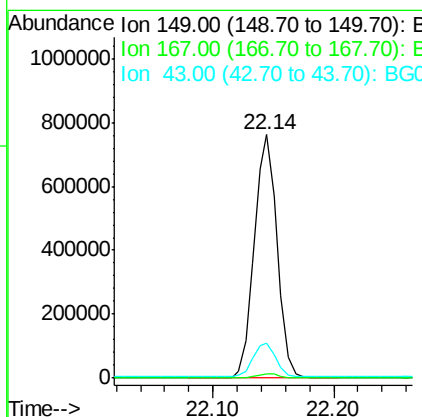
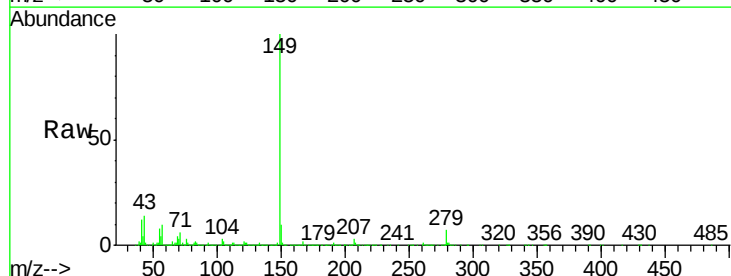
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

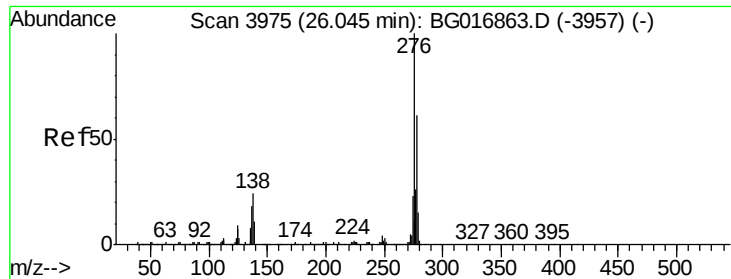
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 31.6  | 25.4  | 38.0  |
| 279     | 8.3   | 6.4   | 9.6   |



#84  
 Di-n-octyl phthalate  
 Concen: 42.32 ng  
 RT: 22.14 min Scan# 3311  
 Delta R.T. 0.00 min  
 Lab File: BG017049.D  
 Acq: 11 May 2015 12:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.9   | 0.0   | 0.0#  |
| 43      | 13.9  | 0.0   | 0.0#  |

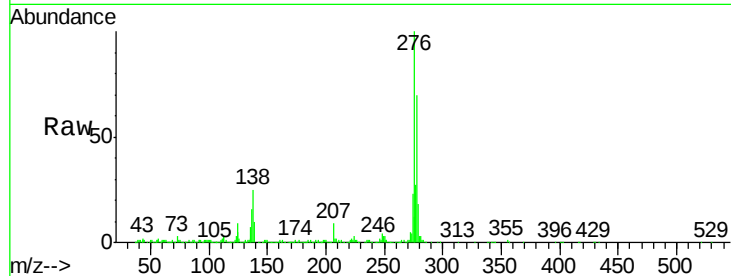




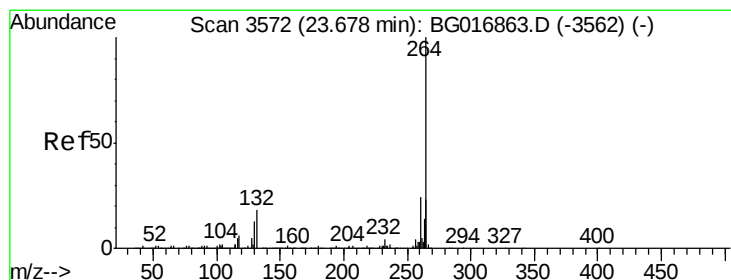
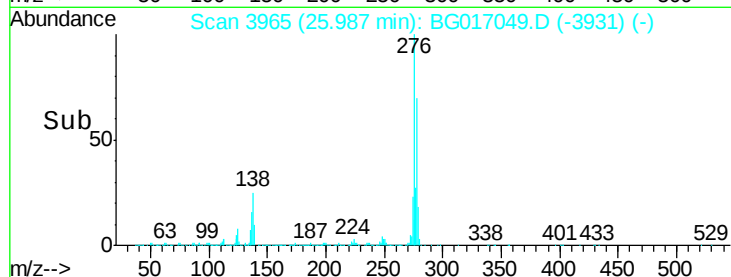
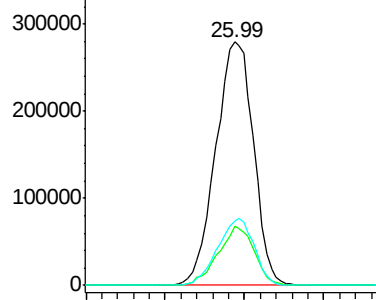
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 42.34 ng  
RT: 25.99 min Scan# 3965  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 23.2  | 0.0   | 0.0#  |
| 277     | 26.5  | 0.0   | 0.0#  |

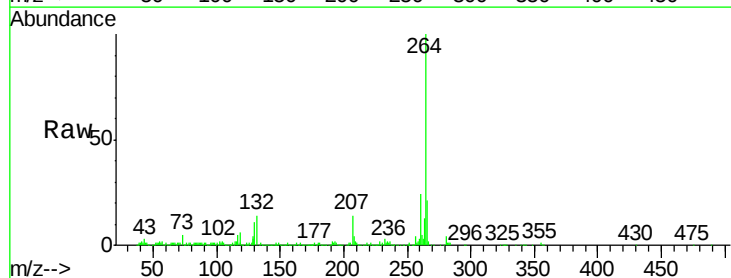


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

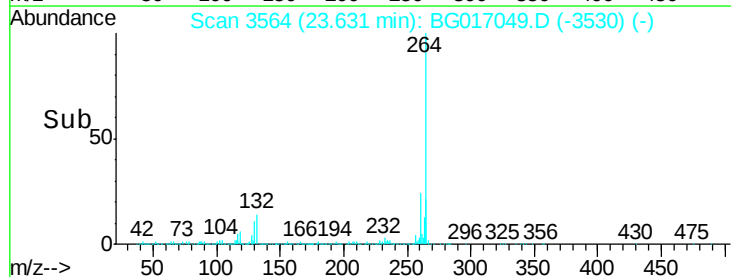
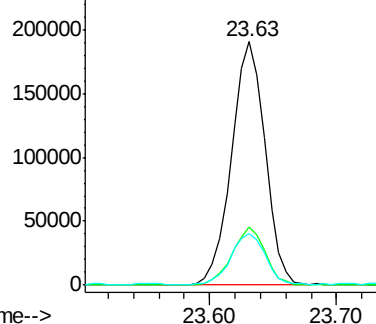


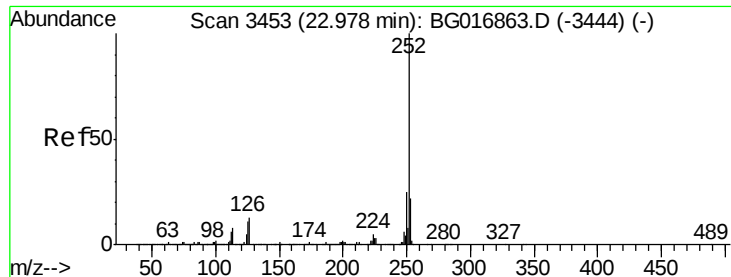
#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 23.63 min Scan# 3564  
Delta R.T. 0.00 min  
Lab File: BG017049.D  
Acq: 11 May 2015 12:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.5  | 29.3  |
| 265     | 21.4  | 18.5  | 27.7  |



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: 42.19 ng

RT: 22.94 min Scan# 3446

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

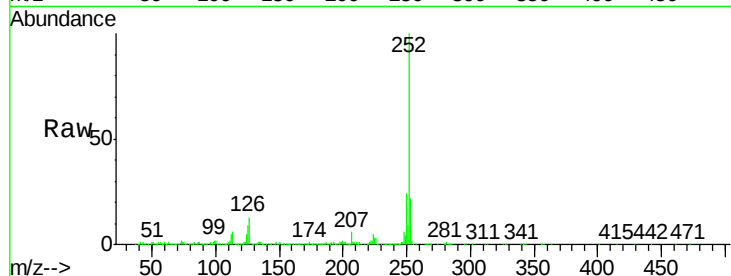
Tot Ion:252 Resp: 827970

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

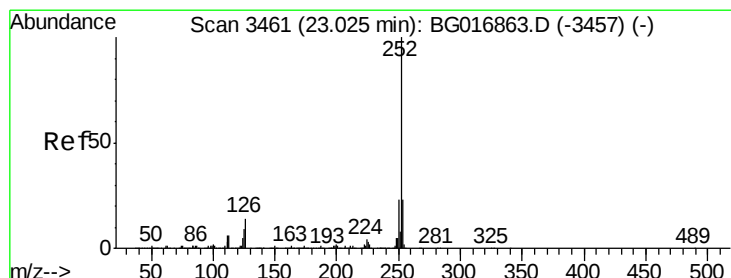
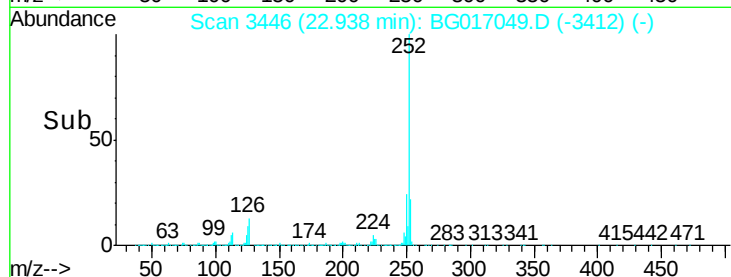
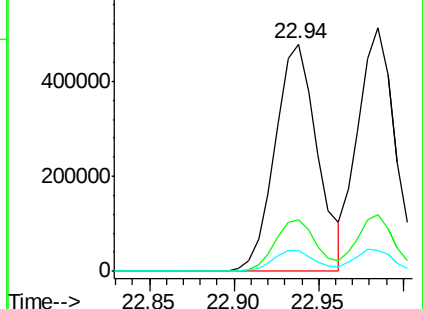
125 9.0 8.6 13.0



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



#88

Benzo(k)fluoranthene

Concen: 41.28 ng

RT: 22.98 min Scan# 3454

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

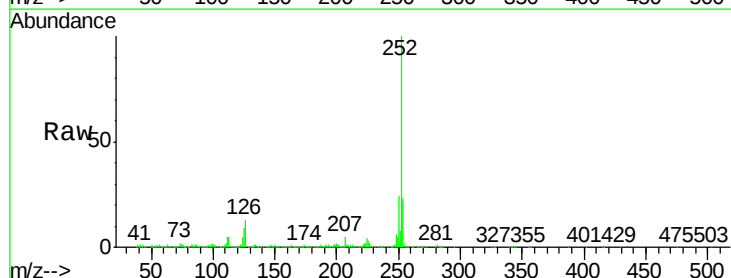
Tgt Ion:252 Resp: 779306

Ion Ratio Lower Upper

252 100

253 23.2 18.4 27.6

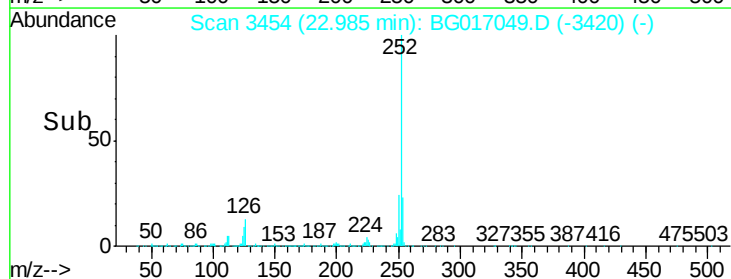
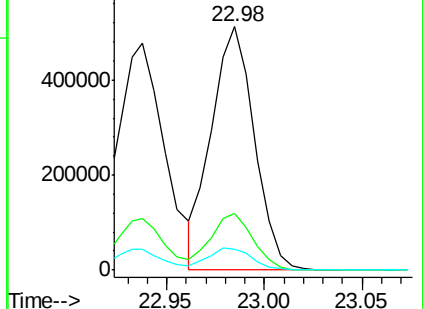
125 8.7 7.9 11.9

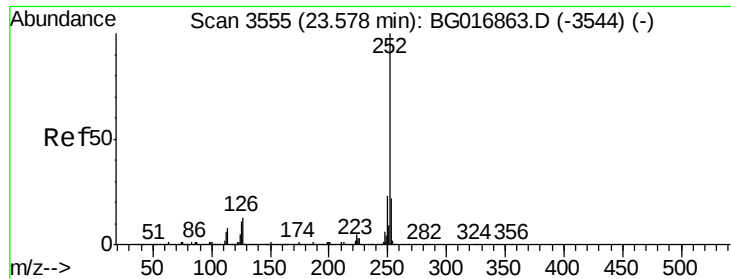


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 41.58 ng

RT: 23.53 min Scan# 3547

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

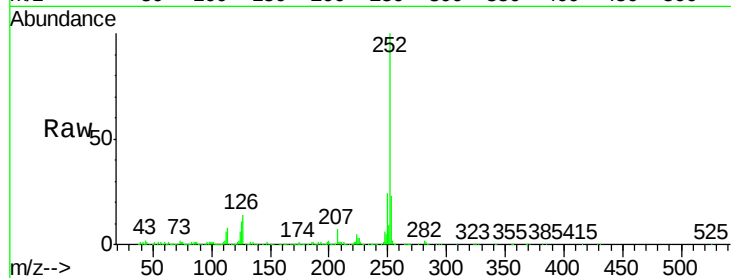
Tot Ion:252 Resp: 760970

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

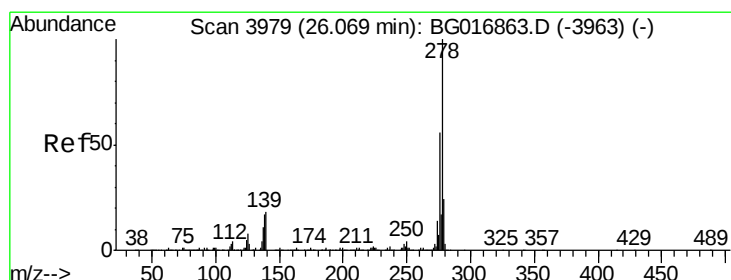
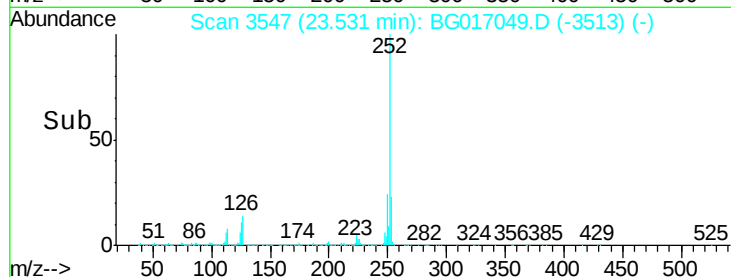
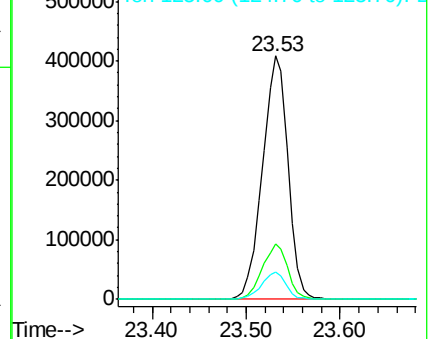
125 11.0 8.5 12.7



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: 41.98 ng

RT: 26.00 min Scan# 3968

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

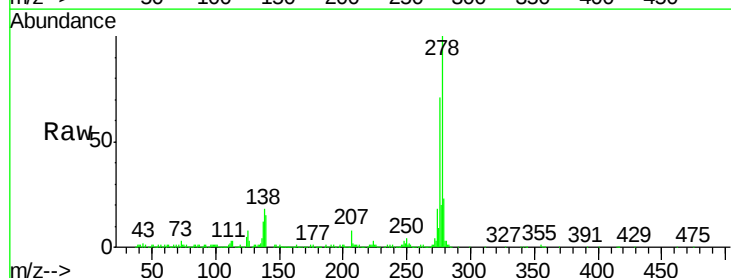
Tgt Ion:278 Resp: 784706

Ion Ratio Lower Upper

278 100

139 14.8 14.2 21.2

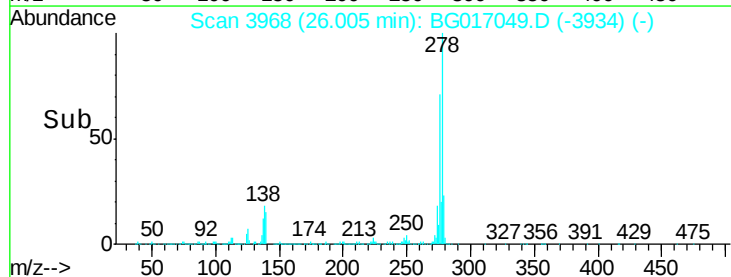
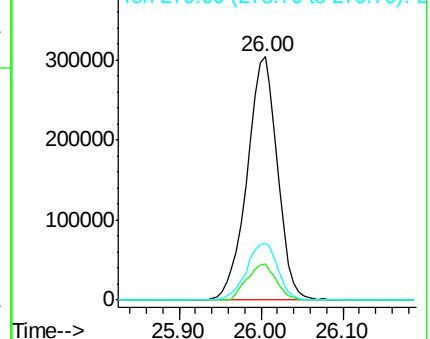
279 23.3 18.9 28.3

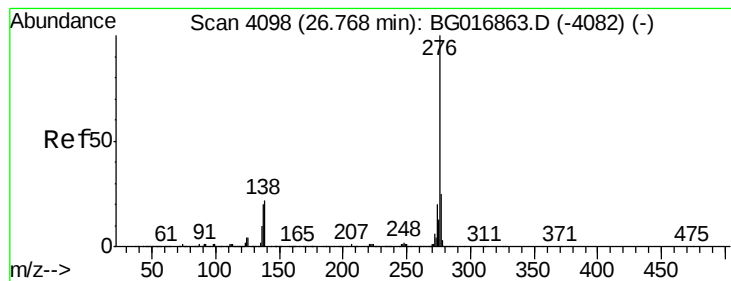


Abundance Ion 278.00 (277.70 to 278.70): E

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: 41.89 ng

RT: 26.71 min Scan# 4088

Delta R.T. 0.00 min

Lab File: BG017049.D

Acq: 11 May 2015 12:35

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

Tot Ion: 276 Resp: 745709

Ion Ratio Lower Upper

276 100

277 23.4 19.6 29.4

138 20.3 17.5 26.3

