

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG091217\  
 Data File : BG028689.D  
 Acq On : 13 Sep 2017 3:44  
 Operator : SJ/JU  
 Sample : I5189-05MSD  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Sep 13 05:24:27 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 16:57:11 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.33  | 152  | 25926    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.15 | 136  | 115824   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.94 | 164  | 89382    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.70 | 188  | 244593   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 22.03 | 240  | 286031   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 25.53 | 264  | 284989   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.91  | 112  | 128452   | 81.75  | ng    | 0.00     |
| 7) Phenol-d6                | 7.49  | 99   | 114500   | 48.40  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.50  | 82   | 253236   | 104.59 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.43 | 330  | 262226   | 177.38 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.56 | 172  | 650017   | 96.97  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.28 | 244  | 1341929  | 100.05 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 3.84  | 88   | 12352    | 19.413 | ng    | 91     |
| 3) Pyridine                    | 4.23  | 79   | 26810    | 14.771 | ng    | 96     |
| 4) n-Nitrosodimethylamine      | 4.15  | 42   | 17861    | 21.633 | ng    | # 69   |
| 6) Aniline                     | 7.66  | 93   | 65628    | 23.837 | ng    | 96     |
| 8) 2-Chlorophenol              | 7.90  | 128  | 76577    | 43.719 | ng    | 96     |
| 9) Benzaldehyde                | 7.47  | 77   | 67668    | 46.105 | ng    | 95     |
| 10) Phenol                     | 7.52  | 94   | 39770    | 15.929 | ng    | 86     |
| 11) bis(2-Chloroethyl)ether    | 7.74  | 93   | 88850    | 49.569 | ng    | 96     |
| 12) 1,3-Dichlorobenzene        | 8.22  | 146  | 86990    | 46.122 | ng    | 91     |
| 13) 1,4-Dichlorobenzene        | 8.37  | 146  | 90383    | 46.603 | ng    | 95     |
| 14) 1,2-Dichlorobenzene        | 8.69  | 146  | 87394    | 45.612 | ng    | 96     |
| 15) Benzyl Alcohol             | 8.57  | 79   | 58884    | 31.886 | ng    | 90     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.84  | 45   | 161385   | 49.540 | ng    | 98     |
| 17) 2-Methylphenol             | 8.77  | 107  | 59117    | 36.236 | ng    | 94     |
| 18) Hexachloroethane           | 9.41  | 117  | 33094    | 46.557 | ng    | 93     |
| 19) n-Nitroso-di-n-propylamine | 9.13  | 70   | 86276    | 51.447 | ng    | # 84   |
| 20) 3+4-Methylphenols          | 9.10  | 107  | 74386    | 32.598 | ng    | 90     |
| 22) Acetophenone               | 9.15  | 105  | 155787   | 46.001 | ng    | # 89   |
| 24) Nitrobenzene               | 9.54  | 77   | 127026   | 47.379 | ng    | 96     |
| 25) Isophorone                 | 10.06 | 82   | 240757   | 49.143 | ng    | 98     |
| 26) 2-Nitrophenol              | 10.26 | 139  | 52709    | 46.193 | ng    | 90     |
| 27) 2,4-Dimethylphenol         | 10.30 | 122  | 86497    | 41.470 | ng    | 98     |
| 28) bis(2-Chloroethoxy)methane | 10.53 | 93   | 134925   | 50.715 | ng    | 97     |
| 29) 2,4-Dichlorophenol         | 10.80 | 162  | 99334    | 47.866 | ng    | 92     |
| 30) 1,2,4-Trichlorobenzene     | 11.01 | 180  | 110379   | 46.624 | ng    | 96     |
| 31) Naphthalene                | 11.20 | 128  | 297588   | 49.194 | ng    | 96     |
| 32) Benzoic acid               | 10.42 | 122  | 12856    | 13.665 | ng    | # 82   |
| 33) 4-Chloroaniline            | 11.31 | 127  | 71235    | 28.110 | ng    | 91     |
| 34) Hexachlorobutadiene        | 11.47 | 225  | 74552    | 42.754 | ng    | 97     |
| 35) Caprolactam                | 12.09 | 113  | 6768     | 9.094  | ng    | # 59   |
| 36) 4-Chloro-3-methylphenol    | 12.41 | 107  | 120600   | 44.654 | ng    | # 92   |
| 37) 2-Methylnaphthalene        | 12.78 | 142  | 244062   | 54.039 | ng    | 95     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.14 | 216  | 154988   | 42.172 | ng    | 97     |
| 40) Hexachlorocyclopentadiene  | 13.11 | 237  | 137036   | 94.465 | ng    | 92     |

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.38 | 196  | 108380   | 46.464  | ng    | 95       |
| 43) 2,4,5-Trichlorophenol      | 13.46 | 196  | 117092   | 49.958  | ng    | # 90     |
| 45) 1,1'-Biphenyl              | 13.77 | 154  | 338119   | 45.689  | ng    | 99       |
| 46) 2-Chloronaphthalene        | 13.83 | 162  | 262591   | 48.648  | ng    | 98       |
| 47) 2-Nitroaniline             | 14.03 | 65   | 110423   | 55.044  | ng    | 93       |
| 48) Acenaphthylene             | 14.67 | 152  | 430514   | 49.923  | ng    | 99       |
| 49) Dimethylphthalate          | 14.38 | 163  | 392036   | 52.305  | ng    | 98       |
| 50) 2,6-Dinitrotoluene         | 14.51 | 165  | 89325    | 53.560  | ng    | 85       |
| 51) Acenaphthene               | 15.01 | 154  | 265814   | 50.742  | ng    | 93       |
| 52) 3-Nitroaniline             | 14.85 | 138  | 49511    | 33.570  | ng    | 92       |
| 53) 2,4-Dinitrophenol          | 15.07 | 184  | 89954    | 100.125 | ng    | 94       |
| 54) Dibenzofuran               | 15.34 | 168  | 464627   | 55.617  | ng    | 93       |
| 55) 4-Nitrophenol              | 15.16 | 139  | 43566    | 40.319  | ng    | # 77     |
| 56) 2,4-Dinitrotoluene         | 15.31 | 165  | 135430   | 57.752  | ng    | # 89     |
| 57) Fluorene                   | 15.99 | 166  | 402817   | 54.010  | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.56 | 232  | 120139   | 58.159  | ng    | # 95     |
| 59) Diethylphthalate           | 15.74 | 149  | 422149   | 54.807  | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.97 | 204  | 222171   | 52.314  | ng    | 90       |
| 61) 4-Nitroaniline             | 16.02 | 138  | 83892    | 53.692  | ng    | # 84     |
| 62) Azobenzene                 | 16.26 | 77   | 385571   | 59.520  | ng    | 91       |
| 64) 4,6-Dinitro-2-methylphenol | 16.08 | 198  | 74826    | 47.410  | ng    | 95       |
| 65) n-Nitrosodiphenylamine     | 16.19 | 169  | 351366   | 50.112  | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.87 | 248  | 159486   | 50.675  | ng    | 92       |
| 67) Hexachlorobenzene          | 17.00 | 284  | 170930   | 47.719  | ng    | # 90     |
| 68) Atrazine                   | 17.13 | 200  | 159165   | 52.868  | ng    | 98       |
| 69) Pentachlorophenol          | 17.35 | 266  | 159232   | 98.386  | ng    | 93       |
| 70) Phenanthrene               | 17.74 | 178  | 676108   | 54.054  | ng    | 96       |
| 71) Anthracene                 | 17.83 | 178  | 684905   | 54.206  | ng    | 98       |
| 72) Carbazole                  | 18.10 | 167  | 604263   | 53.100  | ng    | 95       |
| 73) Di-n-butylphthalate        | 18.62 | 149  | 729642   | 52.292  | ng    | # 94     |
| 74) Fluoranthene               | 19.74 | 202  | 854273   | 55.936  | ng    | 93       |
| 76) Benzidine                  | 19.91 | 184  | 154689   | 20.855  | ng    | 93       |
| 77) Pyrene                     | 20.10 | 202  | 869903   | 52.727  | ng    | 96       |
| 79) Butylbenzylphthalate       | 20.96 | 149  | 336817   | 50.549  | ng    | 90       |
| 80) Benzo(a)anthracene         | 22.01 | 228  | 912305   | 52.988  | ng    | 94       |
| 81) 3,3'-Dichlorobenzidine     | 21.91 | 252  | 279776   | 40.080  | ng    | # 96     |
| 82) Chrysene                   | 22.08 | 228  | 847926   | 51.905  | ng    | 96       |
| 83) Bis(2-ethylhexyl)phthalate | 21.86 | 149  | 485947   | 51.299  | ng    | 97       |
| 84) Di-n-octyl phthalate       | 23.16 | 149  | 833297   | 50.349  | ng    | # 88     |
| 85) Indeno(1,2,3-cd)pyrene     | 29.57 | 276  | 1094825  | 52.160  | ng    | # 99     |
| 87) Benzo(b)fluoranthene       | 24.41 | 252  | 929037   | 54.411  | ng    | # 98     |
| 88) Benzo(k)fluoranthene       | 24.48 | 252  | 908512   | 53.269  | ng    | 94       |
| 89) Benzo(a)pyrene             | 25.37 | 252  | 894679   | 55.204  | ng    | 96       |
| 90) Dibenzo(a,h)anthracene     | 29.62 | 278  | 924289   | 54.702  | ng    | 99       |
| 91) Benzo(g,h,i)perylene       | 30.83 | 276  | 892024   | 54.106  | ng    | 99       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.33 min Scan# 807

Delta R.T. 0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

Instrument :

BNA\_G

ClientSampleId :

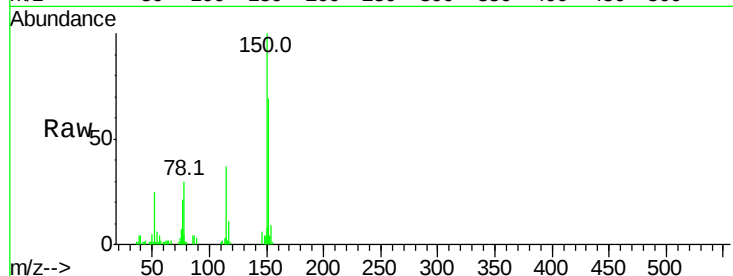
Tot Ion:152 Resp: 25926

Ion Ratio Lower Upper

152 100

150 144.7 114.0 171.0

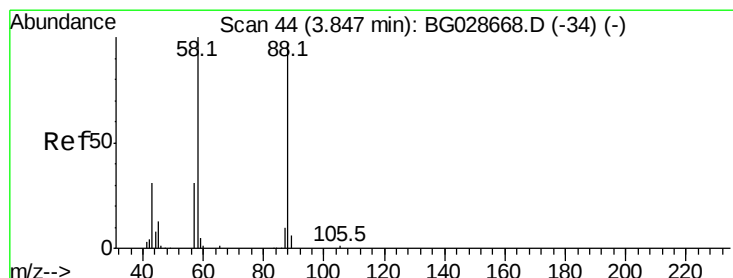
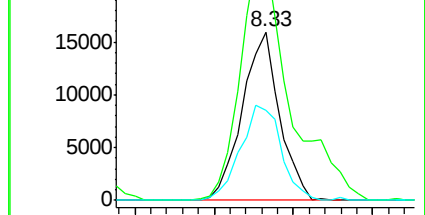
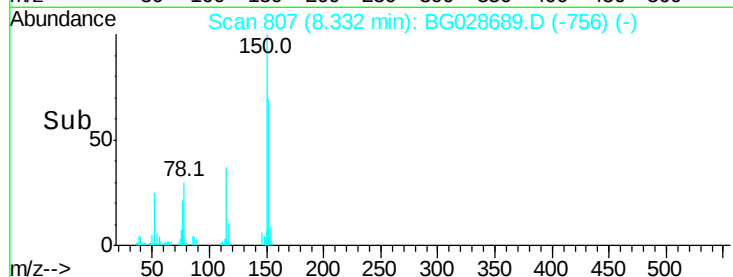
115 53.5 48.1 72.1



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: 19.413 ng

RT: 3.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

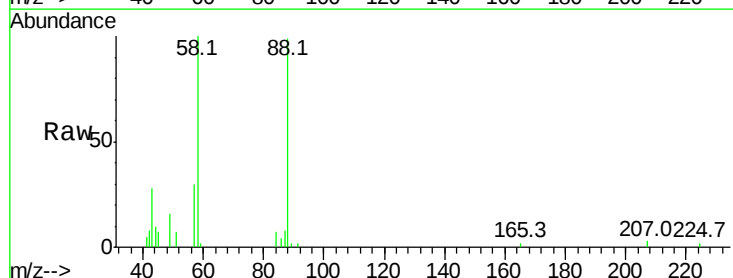
Tgt Ion: 88 Resp: 12352

Ion Ratio Lower Upper

88 100

58 112.3 79.4 119.2

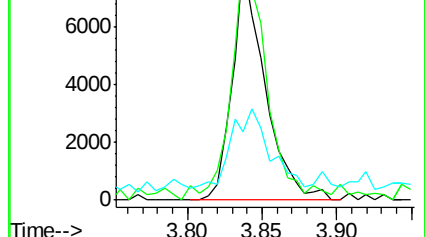
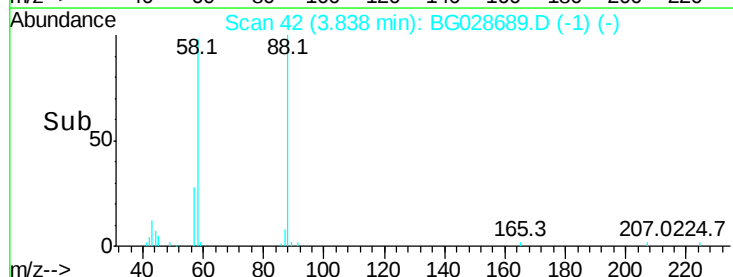
43 42.4 33.8 50.6



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: 14.771 ng

RT: 4.23 min Scan# 109

Delta R.T. -0.01 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

Instrument :

BNA\_G

ClientSampleId :

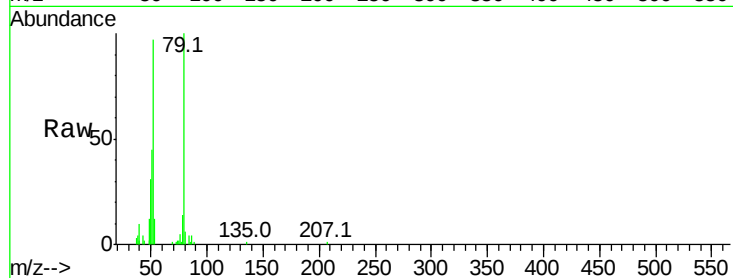
Tot Ion: 79 Resp: 26810

Ion Ratio Lower Upper

79 100

52 97.3 77.8 116.6

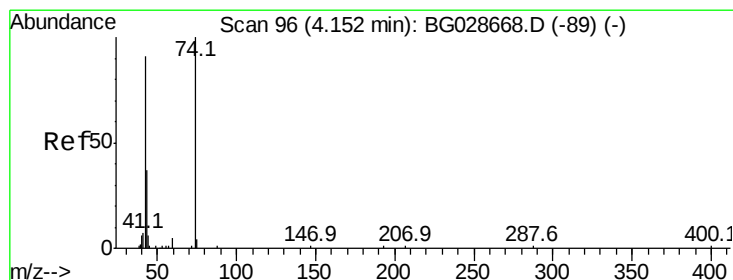
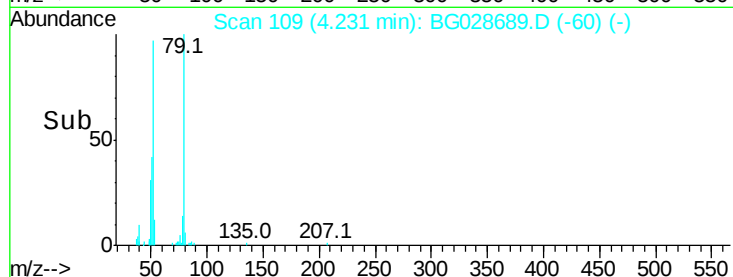
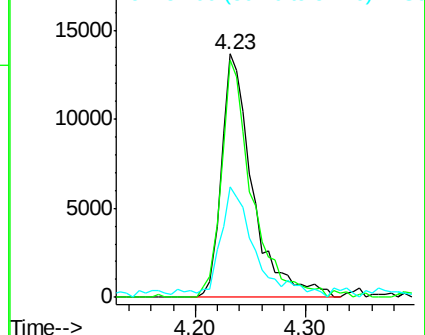
51 45.2 43.2 64.8



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 21.633 ng

RT: 4.15 min Scan# 95

Delta R.T. -0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

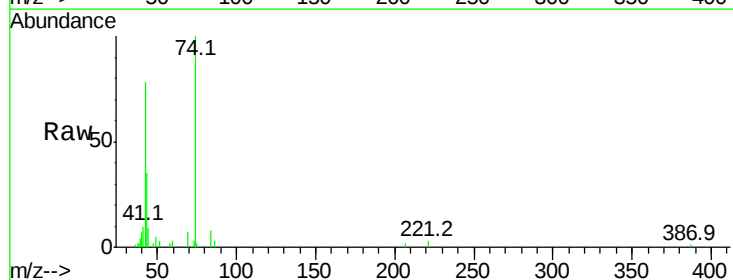
Tgt Ion: 42 Resp: 17861

Ion Ratio Lower Upper

42 100

74 128.2 76.7 115.1#

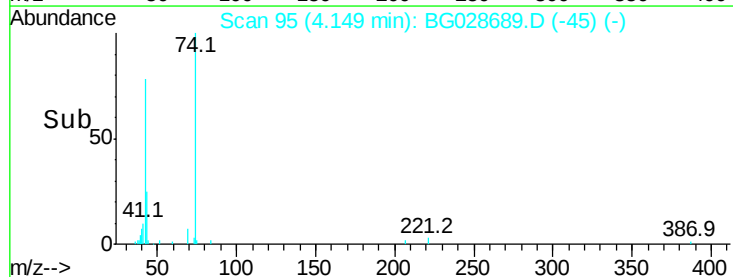
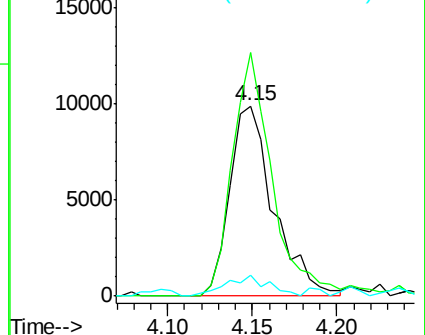
44 11.2 6.1 9.1#

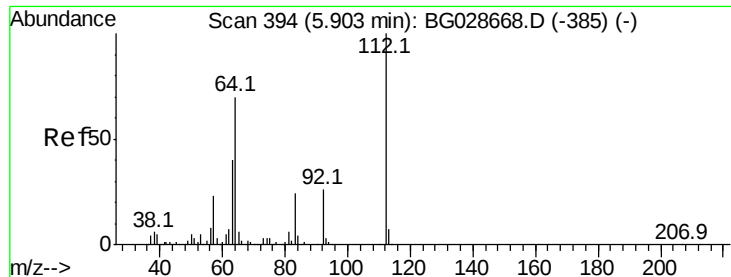


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 81.753 ng

RT: 5.91 min Scan# 394

Delta R.T. 0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

Instrument :

BNA\_G

ClientSampleId :

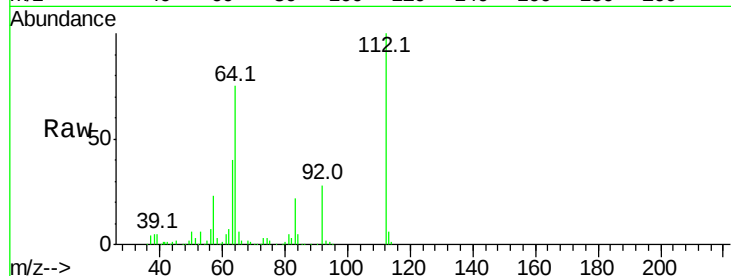
Tot Ion:112 Resp: 128452

Ion Ratio Lower Upper

112 100

64 74.7 61.8 92.6

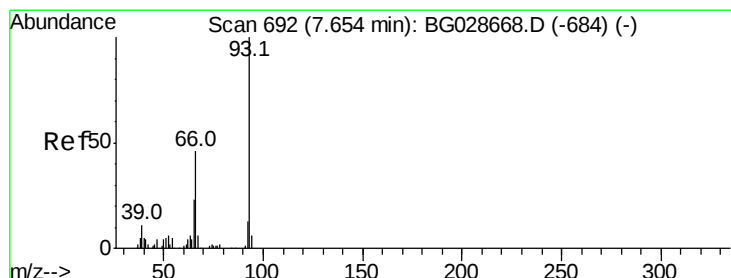
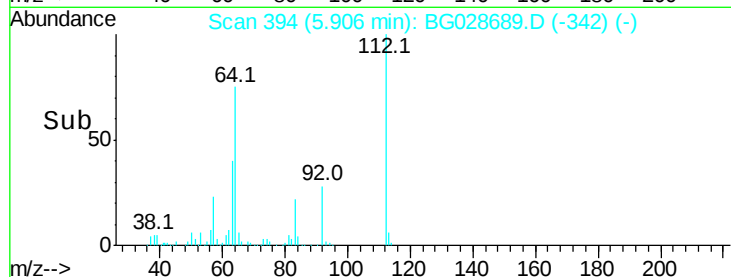
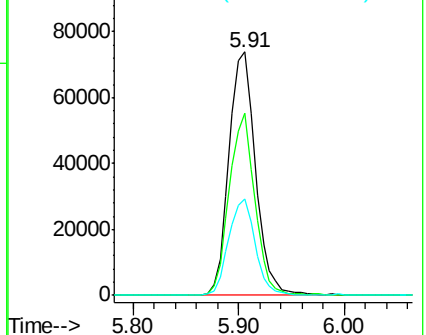
63 39.8 37.2 55.8



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: 23.837 ng

RT: 7.66 min Scan# 692

Delta R.T. 0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

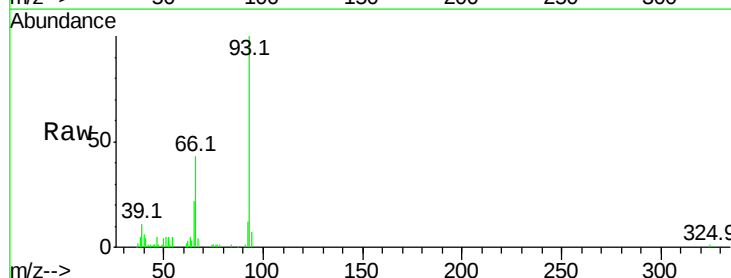
Tgt Ion: 93 Resp: 65628

Ion Ratio Lower Upper

93 100

66 43.4 35.4 53.2

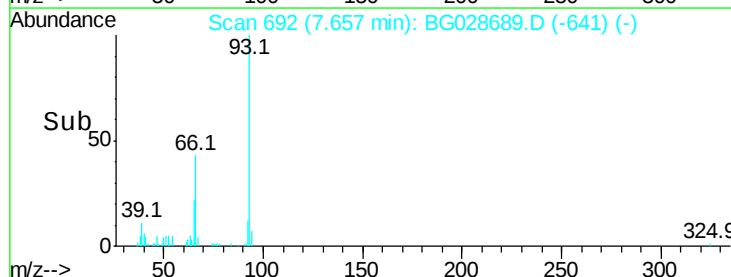
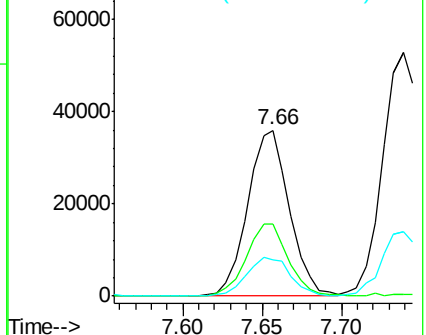
65 22.2 21.2 31.8

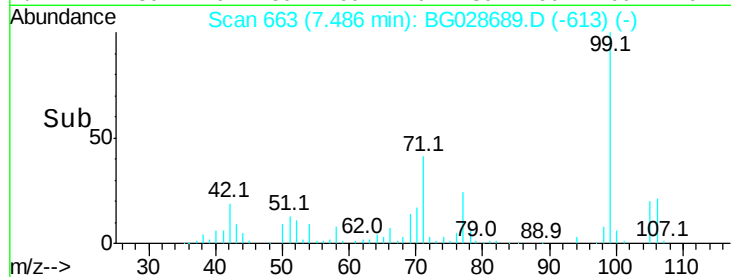
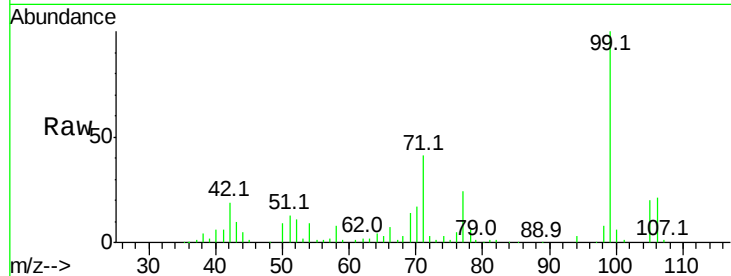
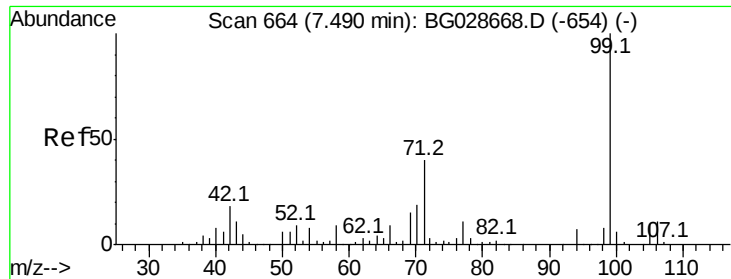


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 48.401 ng

RT: 7.49 min Scan# 663

Delta R.T. -0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

Instrument :

BNA\_G

ClientSampled :

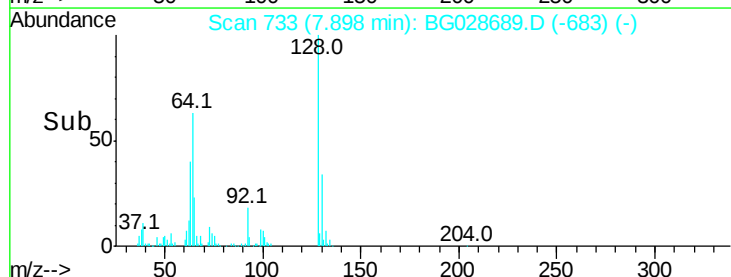
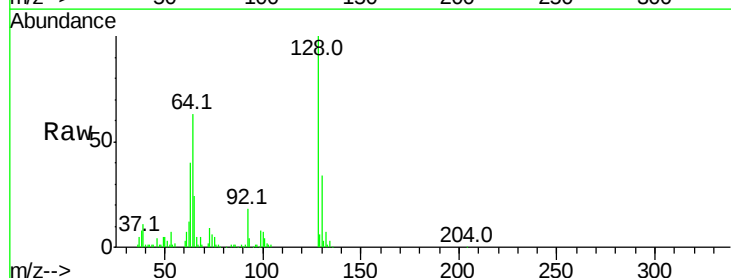
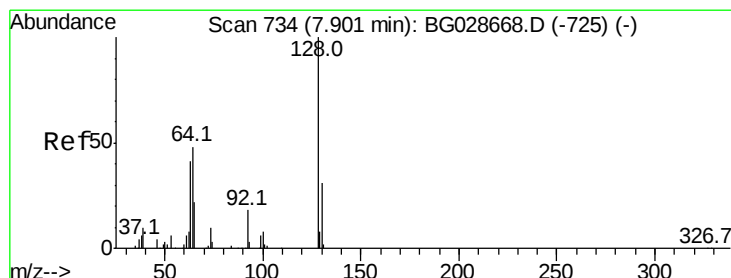
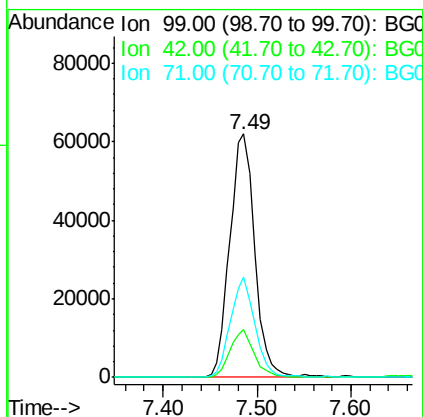
Tot Ion: 99 Resp: 114500

Ion Ratio Lower Upper

99 100

42 19.4 20.5 30.7#

71 40.9 37.6 56.4



#8

2-Chlorophenol

Concen: 43.719 ng

RT: 7.90 min Scan# 733

Delta R.T. -0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

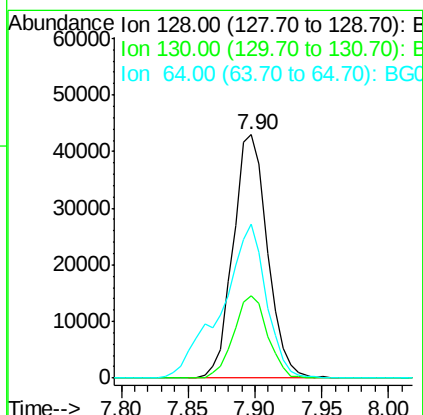
Tgt Ion: 128 Resp: 76577

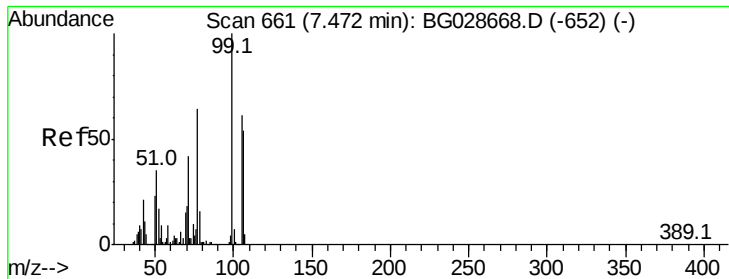
Ion Ratio Lower Upper

128 100

130 33.8 11.4 51.4

64 63.3 46.6 86.6





#9

Benzaldehyde

Concen: 46.105 ng

RT: 7.47 min Scan# 660

Delta R.T. -0.00 min

Lab File: BG028689.D

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Instrument :

BNA\_G

ClientSampleId :

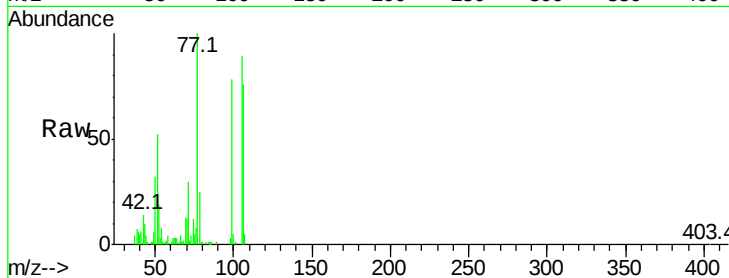
Tot Ion: 77 Resp: 67668

Ion Ratio Lower Upper

77 100

105 88.6 60.9 100.9

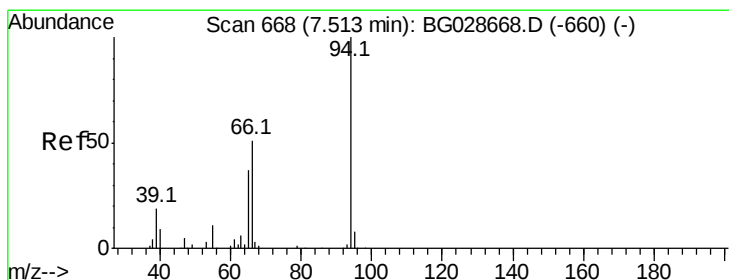
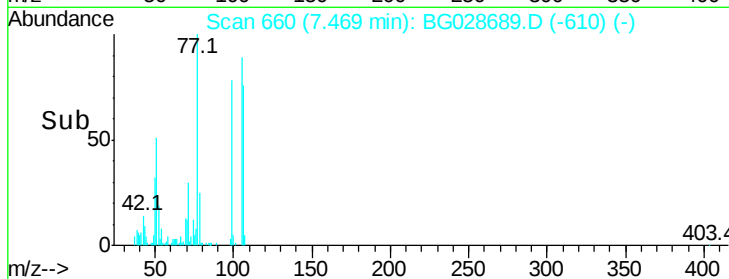
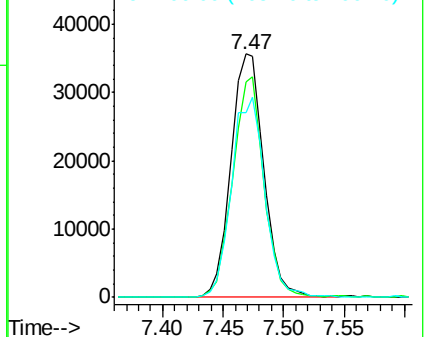
106 75.8 55.1 95.1



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 15.929 ng

RT: 7.52 min Scan# 668

Delta R.T. 0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

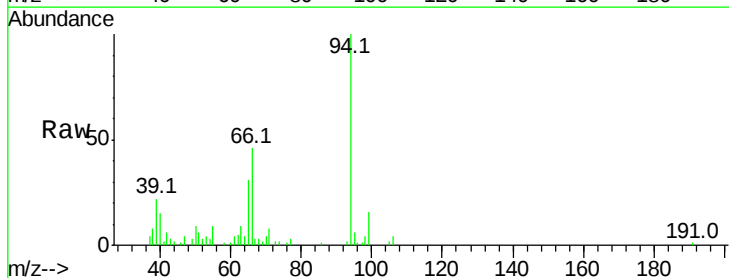
Tgt Ion: 94 Resp: 39770

Ion Ratio Lower Upper

94 100

65 30.9 20.6 60.6

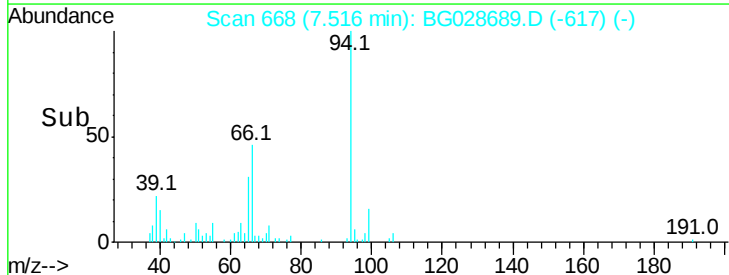
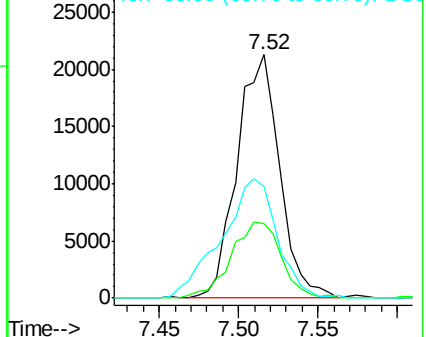
66 45.8 35.5 75.5

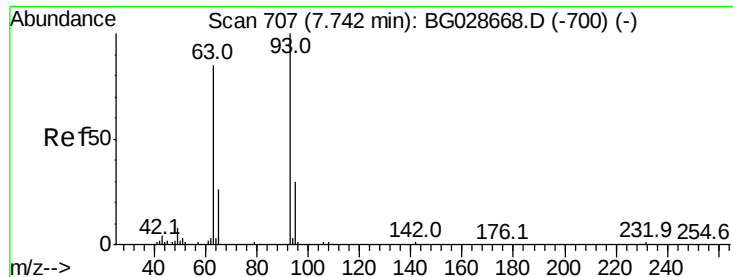


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#11

bis(2-Chloroethyl)ether

Concen: 49.569 ng

RT: 7.74 min Scan# 706

Delta R.T. -0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

Instrument :

BNA\_G

ClientSampleId :

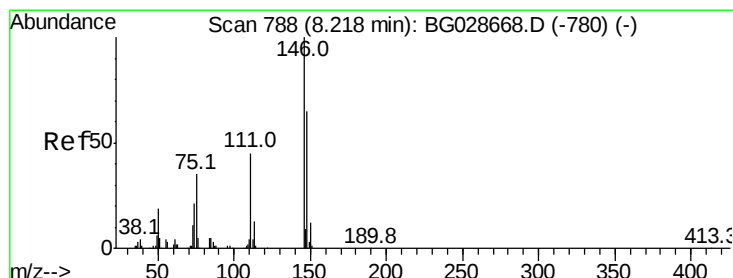
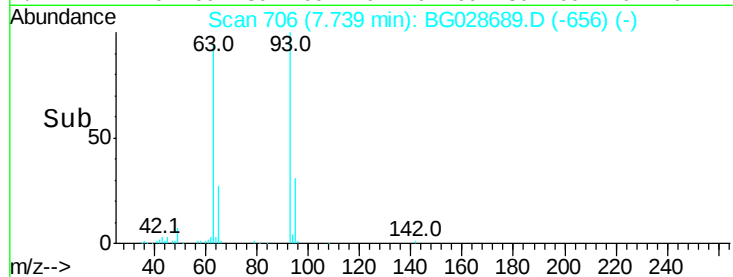
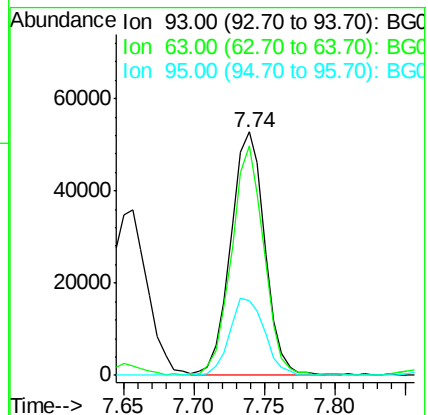
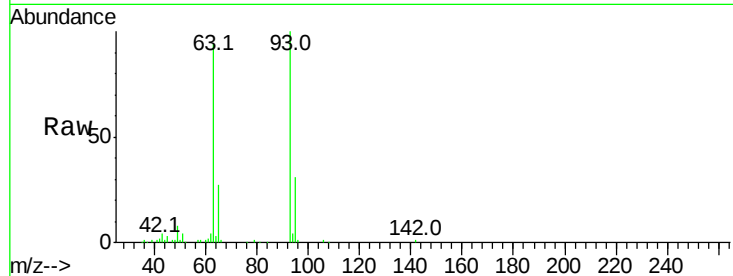
Tot Ion: 93 Resp: 88850

Ion Ratio Lower Upper

93 100

63 94.2 78.5 118.5

95 30.6 9.8 49.8



#12

1,3-Dichlorobenzene

Concen: 46.122 ng

RT: 8.22 min Scan# 788

Delta R.T. 0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

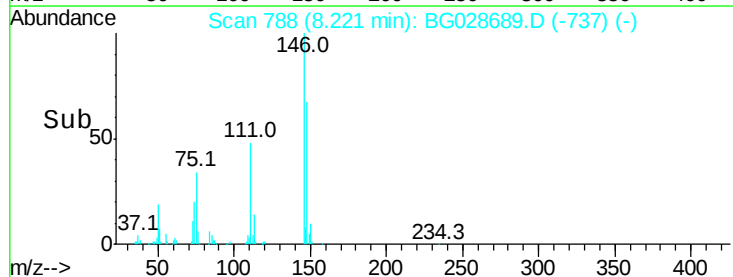
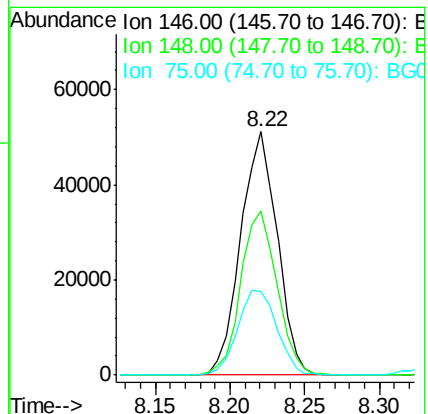
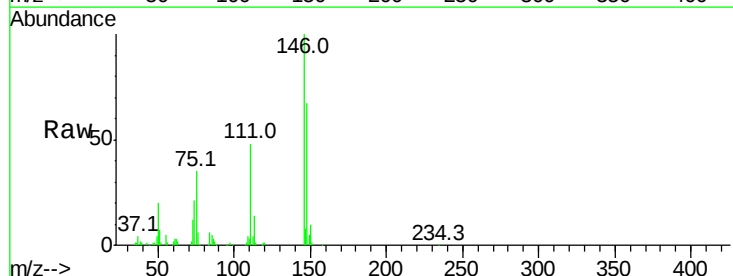
Tgt Ion: 146 Resp: 86990

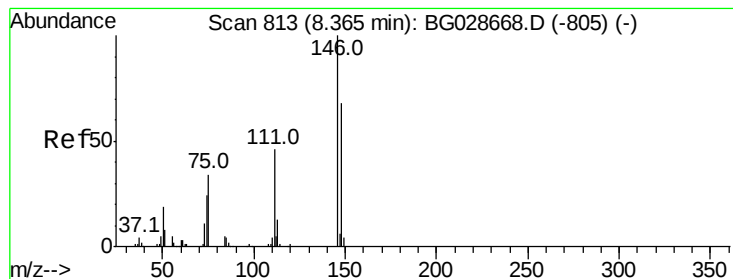
Ion Ratio Lower Upper

146 100

148 67.5 49.2 73.8

75 34.6 33.4 50.2





#13

1,4-Dichlorobenzene

Concen: 46.603 ng

RT: 8.37 min Scan# 813

Delta R.T. 0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

Instrument :

BNA\_G

ClientSampleId :

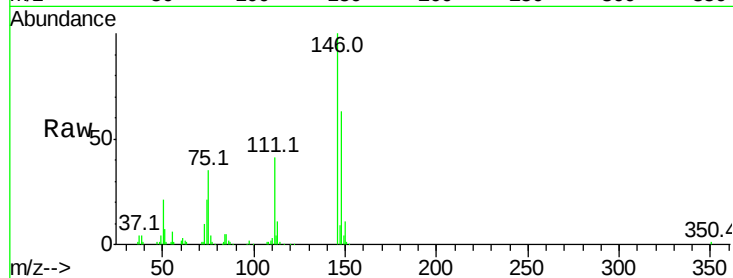
Tot Ion:146 Resp: 90383

Ion Ratio Lower Upper

146 100

148 62.6 52.2 78.2

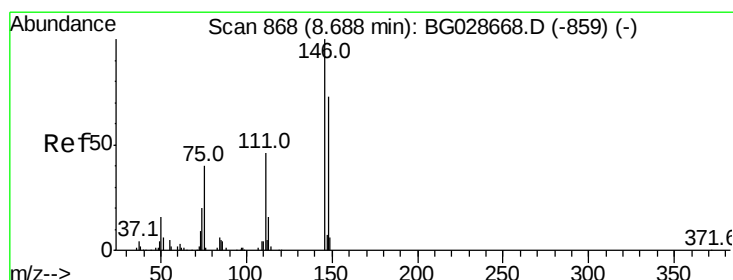
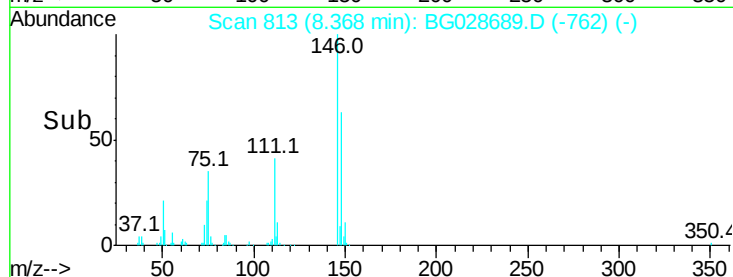
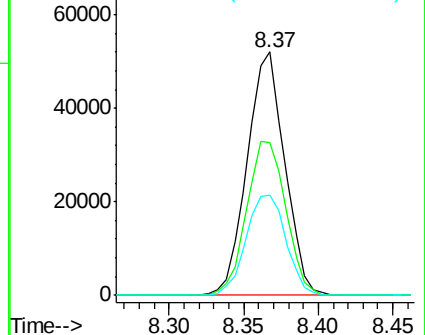
111 41.0 37.0 55.6



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: 45.612 ng

RT: 8.69 min Scan# 868

Delta R.T. 0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

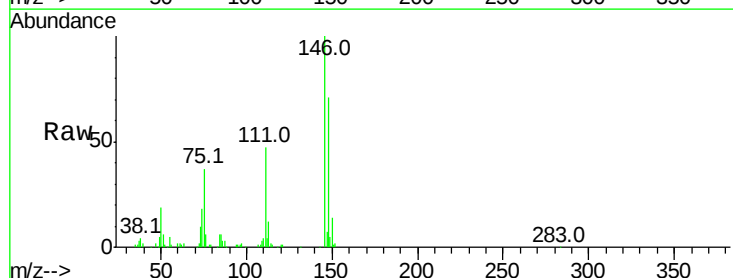
Tgt Ion:146 Resp: 87394

Ion Ratio Lower Upper

146 100

148 71.1 54.6 81.8

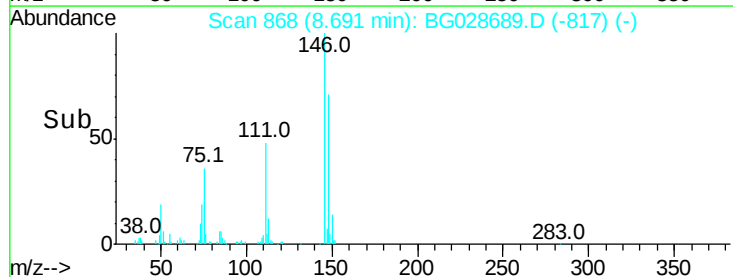
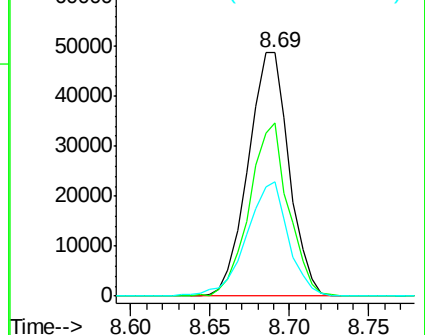
111 47.1 39.7 59.5



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: 31.886 ng

RT: 8.57 min Scan# 847

Delta R.T. 0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

Instrument :

BNA\_G

ClientSampleId :

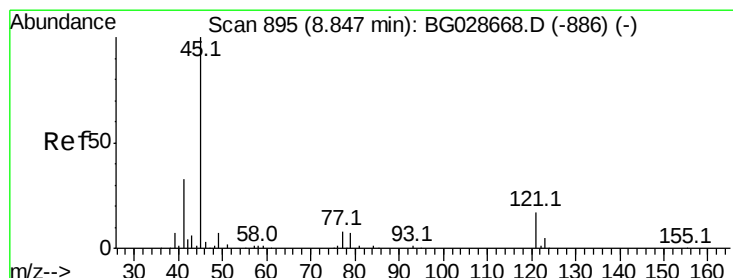
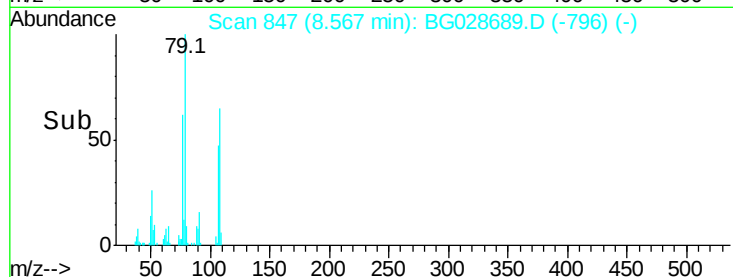
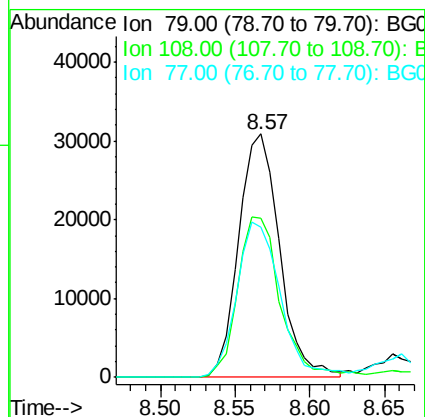
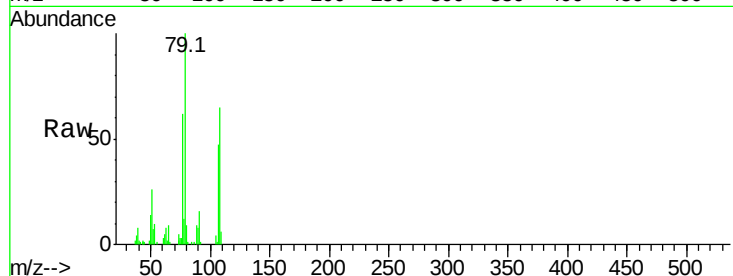
Tot Ion: 79 Resp: 58884

Ion Ratio Lower Upper

79 100

108 65.4 45.5 68.3

77 61.6 54.3 81.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 49.540 ng

RT: 8.84 min Scan# 894

Delta R.T. -0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

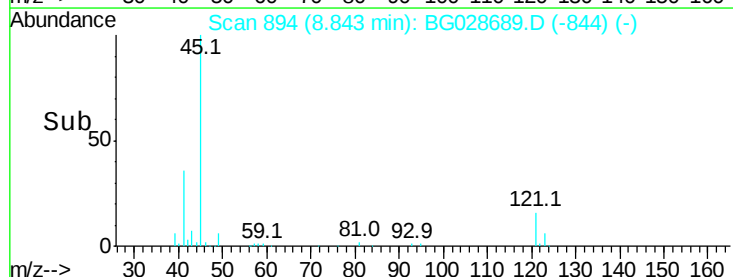
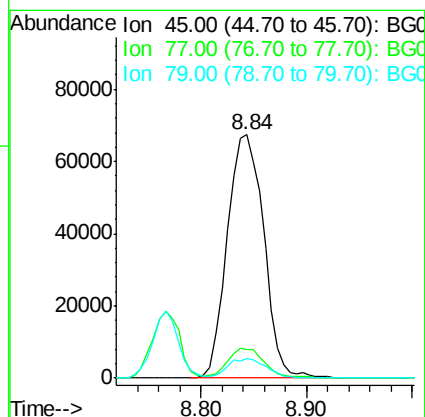
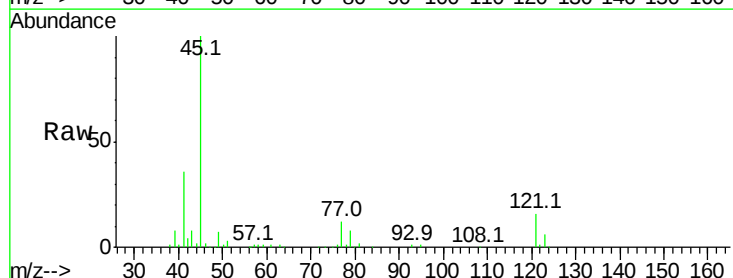
Tgt Ion: 45 Resp: 161385

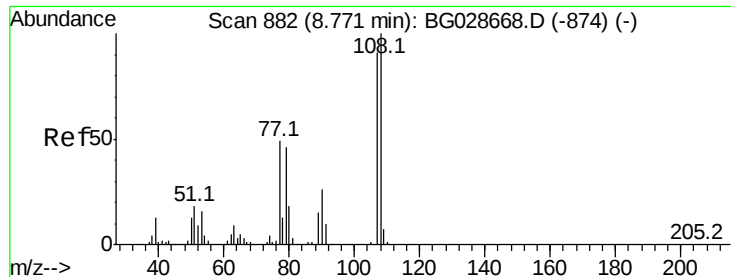
Ion Ratio Lower Upper

45 100

77 11.9 0.0 30.6

79 8.2 0.0 28.5





#17

2-Methylphenol

Concen: 36.236 ng

RT: 8.77 min Scan# 881

Delta R.T. -0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:107 Resp: 59117

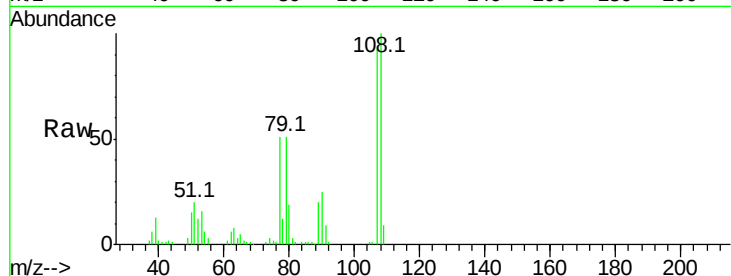
Ion Ratio Lower Upper

107 100

108 107.8 85.6 128.4

77 55.1 51.4 77.2

79 55.5 49.2 73.8

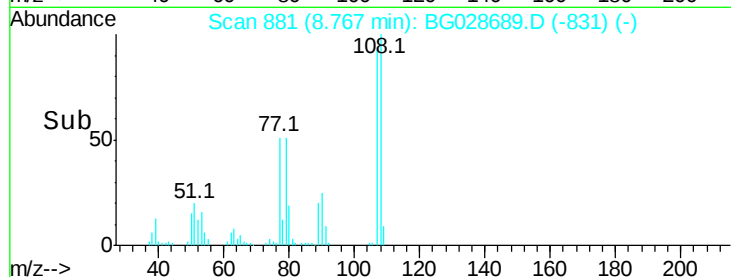


Abundance Ion 107.00 (106.70 to 107.70): E

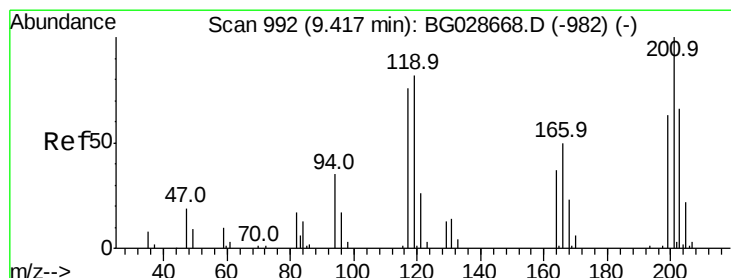
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



Time-->



#18

Hexachloroethane

Concen: 46.557 ng

RT: 9.41 min Scan# 991

Delta R.T. -0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

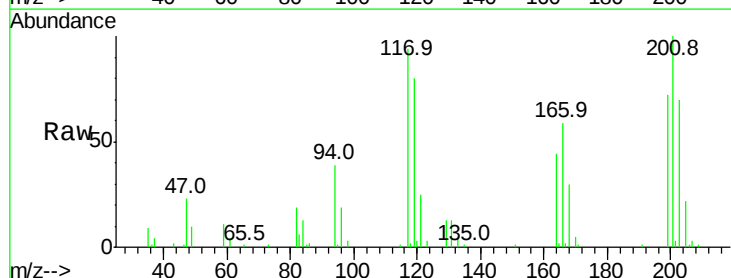
Tgt Ion:117 Resp: 33094

Ion Ratio Lower Upper

117 100

119 84.7 69.8 104.6

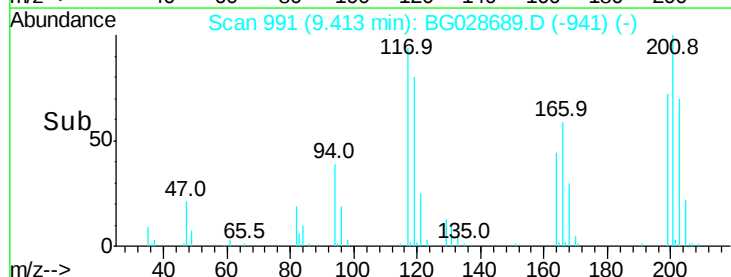
201 108.9 95.4 143.0



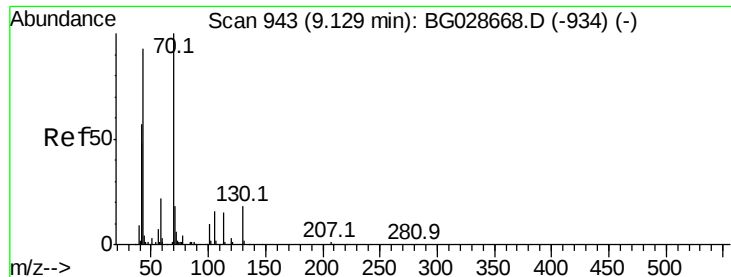
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



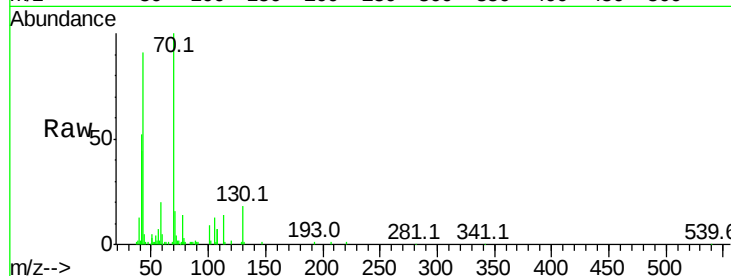
Time-->



#19  
n-Nitroso-di-n-propylamine  
Concen: 51.447 ng  
RT: 9.13 min Scan# 942  
Delta R.T. -0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 51.6  | 56.1  | 84.1# |
| 101     | 9.5   | 7.5   | 11.3  |
| 130     | 18.1  | 14.6  | 21.8  |



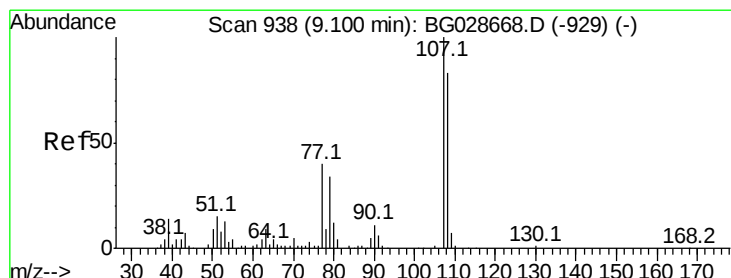
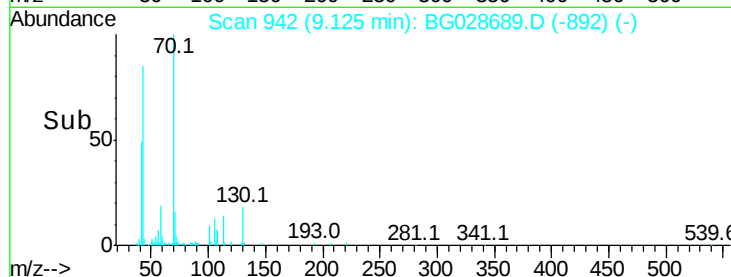
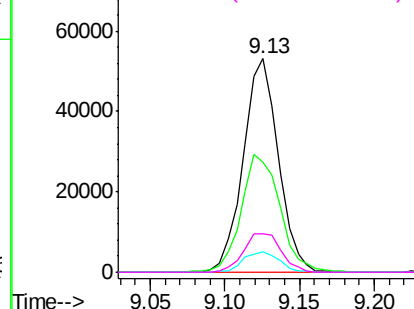
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

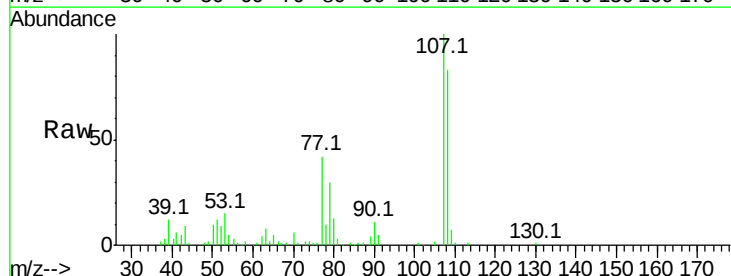
Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20  
3+4-Methylphenols  
Concen: 32.598 ng  
RT: 9.10 min Scan# 937  
Delta R.T. -0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 82.5  | 70.8  | 110.8 |
| 77      | 42.0  | 25.8  | 65.8  |
| 79      | 29.9  | 20.1  | 60.1  |



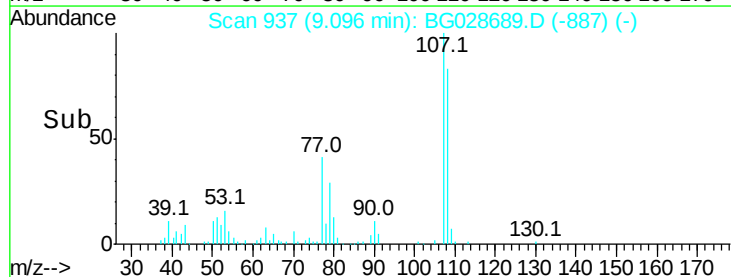
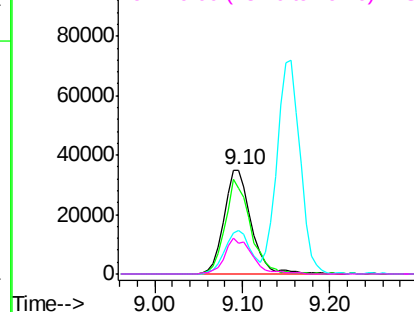
Abundance

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

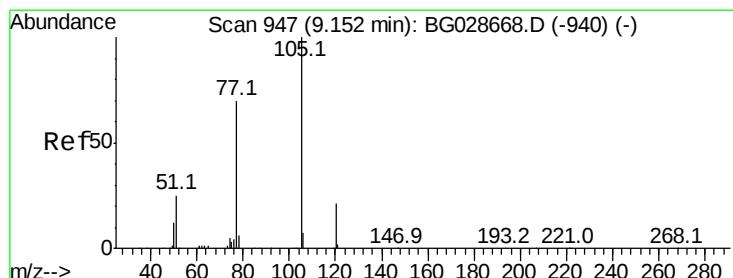
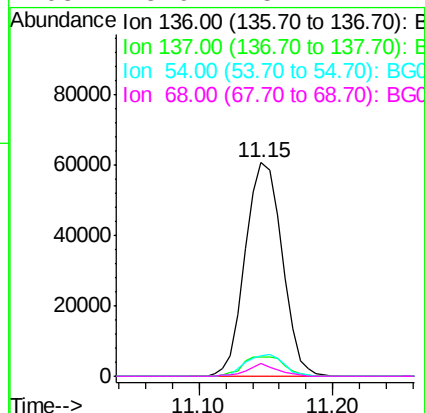
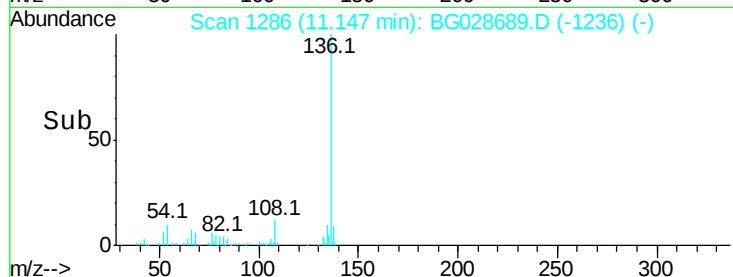
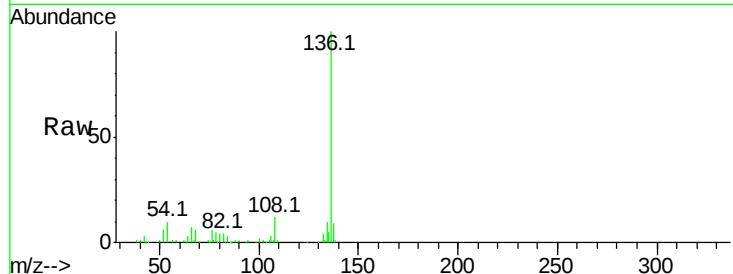




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.15 min Scan# 1286  
Delta R.T. -0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

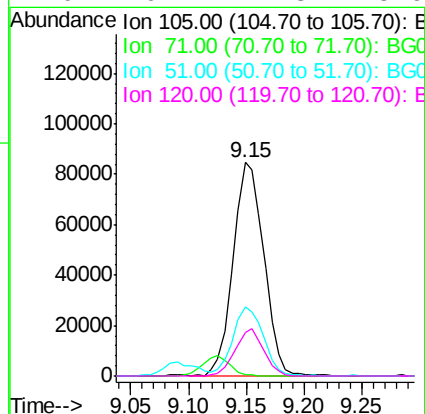
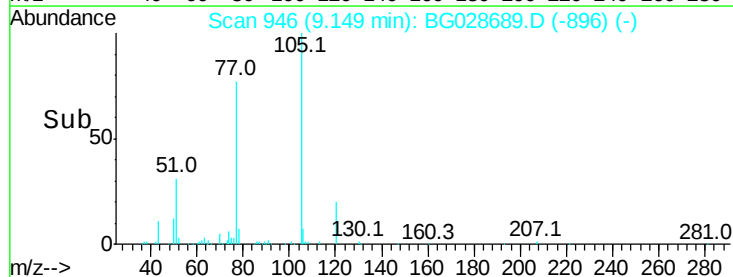
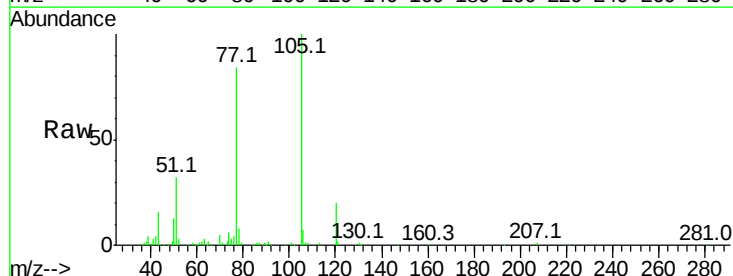
Instrument :  
BNA\_G  
ClientSampleId :

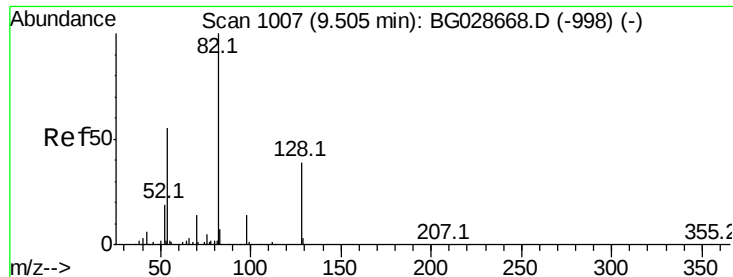
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 115824   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 9.1   | 8.9 13.3 |
| 54          | 9.7   | 9.3 13.9 |
| 68          | 5.9   | 5.1 7.7  |



#22  
Acetophenone  
Concen: 46.001 ng  
RT: 9.15 min Scan# 946  
Delta R.T. -0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:105 | Resp: | 155787     |
| Ion Ratio   | Lower | Upper      |
| 105         | 100   |            |
| 71          | 0.6   | 0.9 1.3#   |
| 51          | 32.4  | 34.0 51.0# |
| 120         | 20.4  | 17.3 25.9  |

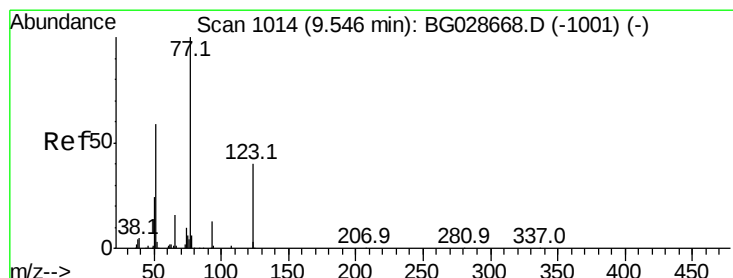
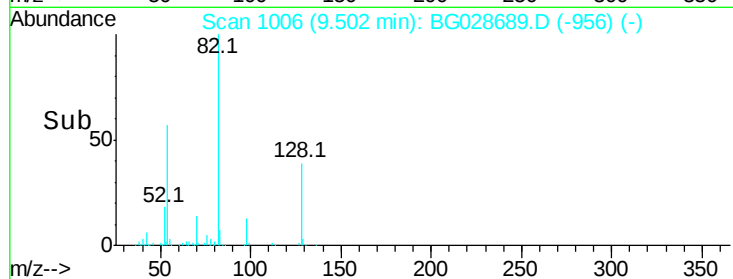
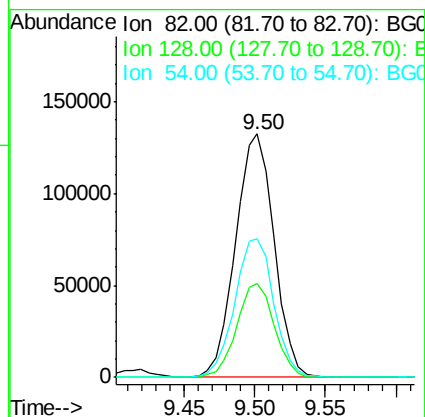
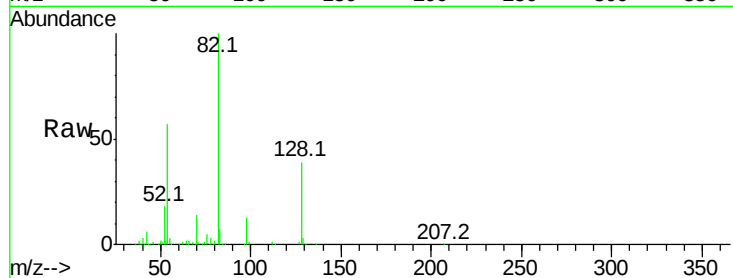




#23  
Nitrobenzene-d5  
Concen: 104.591 ng  
RT: 9.50 min Scan# 1006  
Delta R.T. -0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

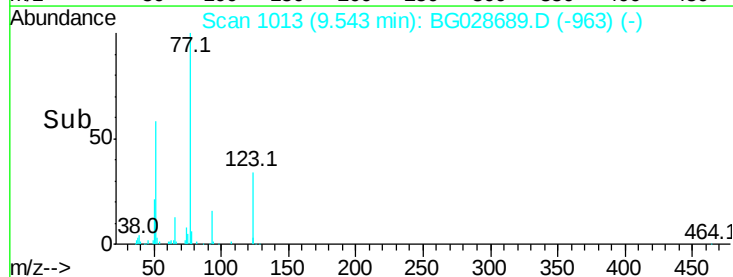
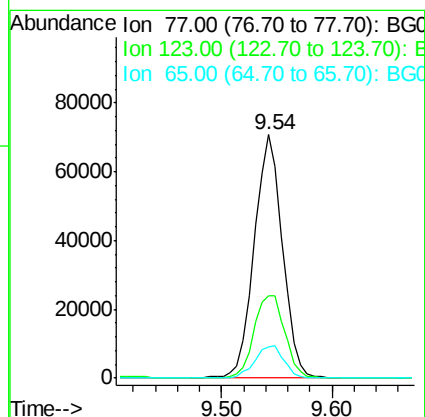
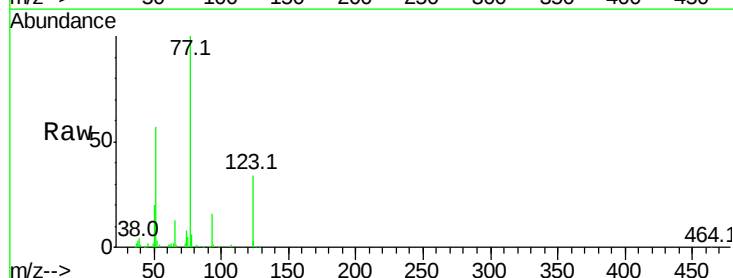
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion: 82 Resp: 253236  
Ion Ratio Lower Upper  
82 100  
128 38.8 26.4 39.6  
54 57.1 49.4 74.2



#24  
Nitrobenzene  
Concen: 47.379 ng  
RT: 9.54 min Scan# 1013  
Delta R.T. -0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

Tgt Ion: 77 Resp: 127026  
Ion Ratio Lower Upper  
77 100  
123 33.9 26.1 39.1  
65 12.7 12.4 18.6





#25

Isophorone

Concen: 49.143 ng

RT: 10.06 min Scan# 1101

Delta R.T. -0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

Instrument :

BNA\_G

ClientSampleId :

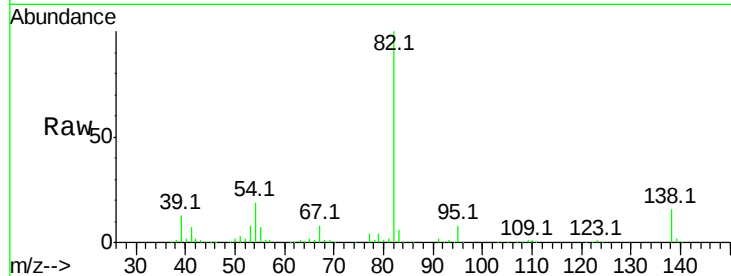
Tot Ion: 82 Resp: 240757

Ion Ratio Lower Upper

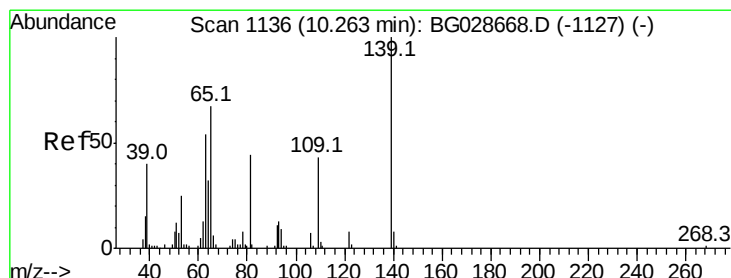
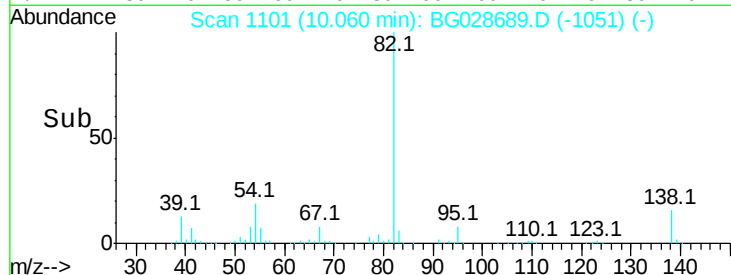
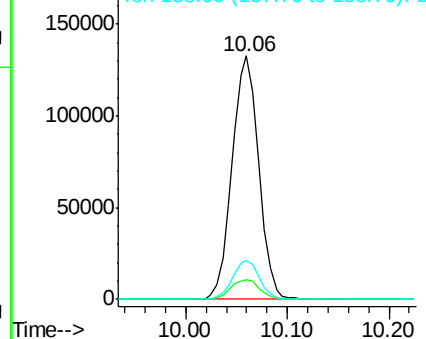
82 100

95 8.3 7.5 11.3

138 15.9 12.3 18.5



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



#26

2-Nitrophenol

Concen: 46.193 ng

RT: 10.26 min Scan# 1135

Delta R.T. -0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

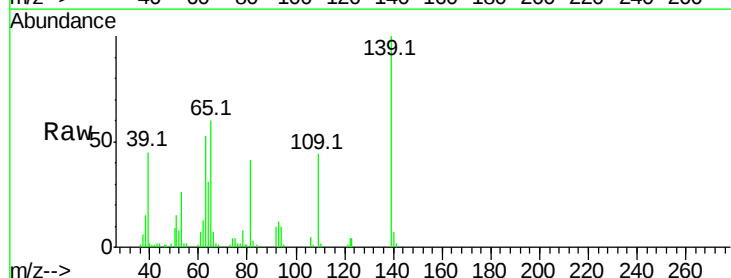
Tgt Ion: 139 Resp: 52709

Ion Ratio Lower Upper

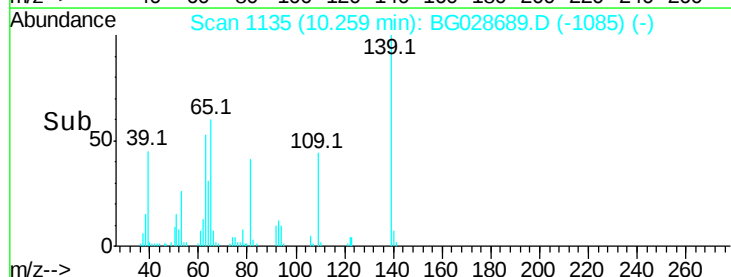
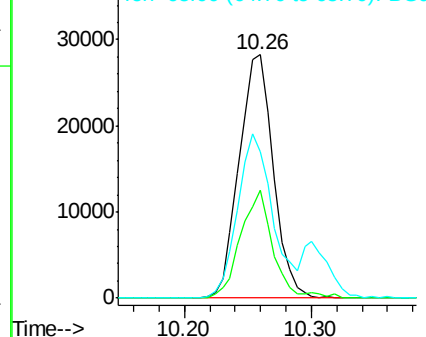
139 100

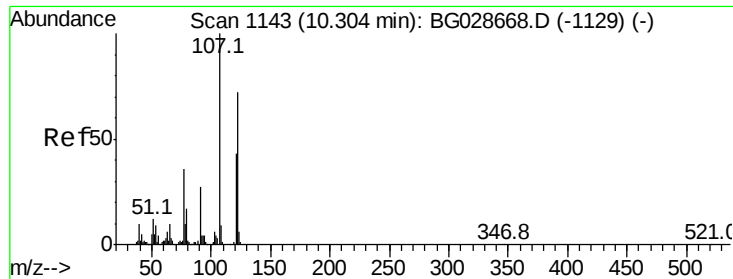
109 44.4 38.6 58.0

65 60.0 57.1 85.7



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

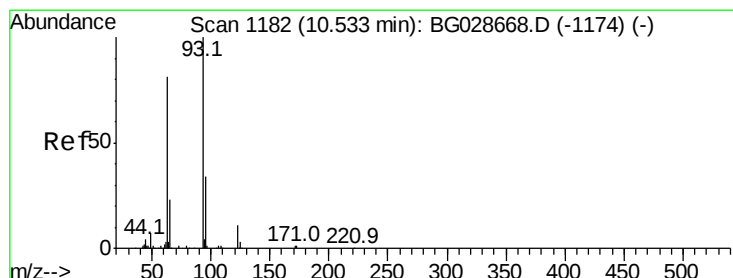
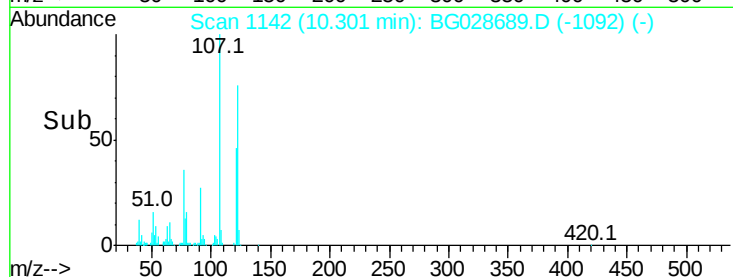
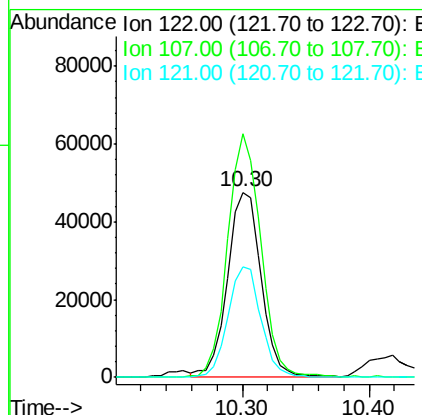
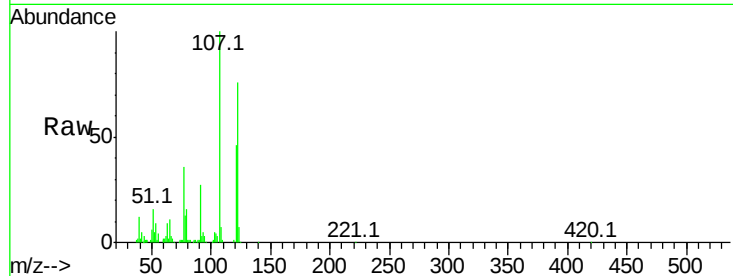




#27  
2,4-Dimethylphenol  
Concen: 41.470 ng  
RT: 10.30 min Scan# 1142  
Delta R.T. -0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

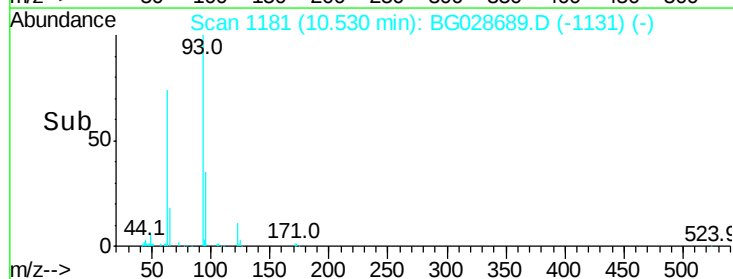
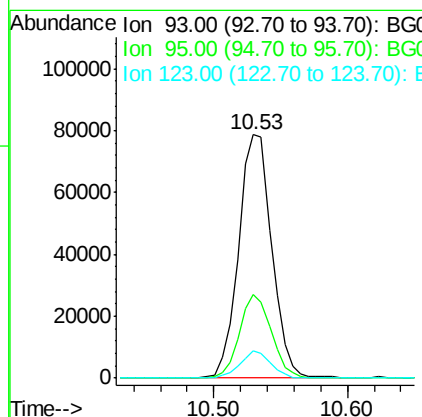
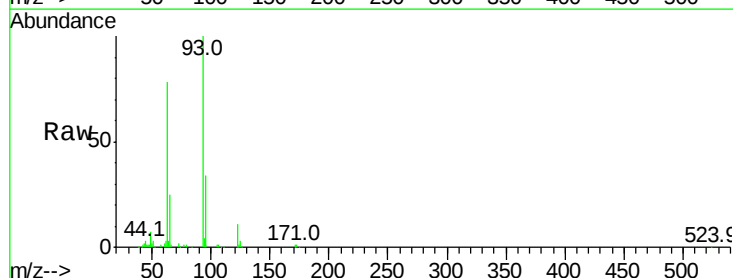
Instrument :  
BNA\_G  
ClientSampleId :

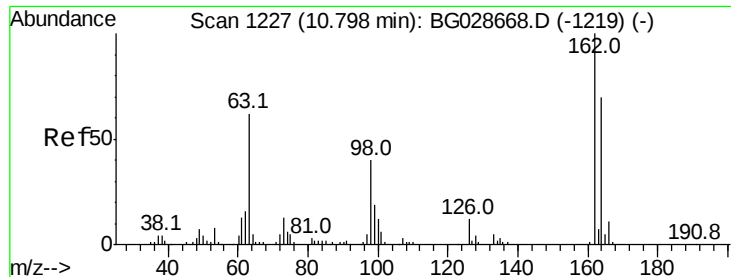
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 131.5 | 104.2 | 156.4 |
| 121     | 60.0  | 46.0  | 69.0  |



#28  
bis(2-Chloroethoxy)methane  
Concen: 50.715 ng  
RT: 10.53 min Scan# 1181  
Delta R.T. -0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 34.2  | 25.7  | 38.5  |
| 123     | 11.1  | 8.3   | 12.5  |

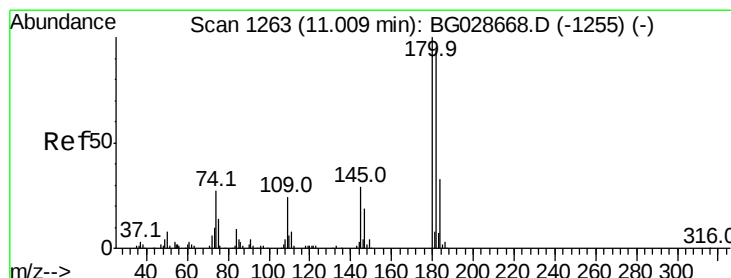
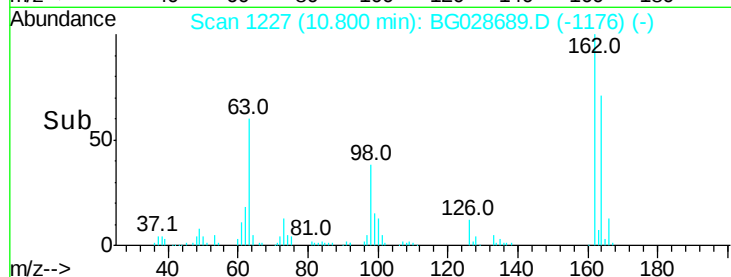
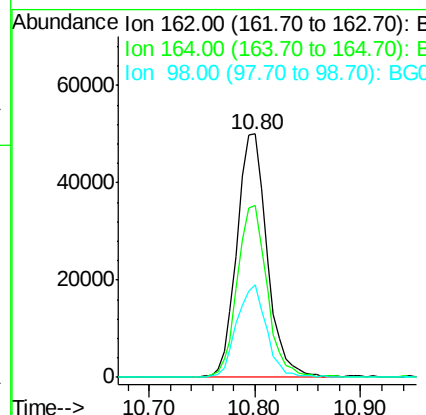
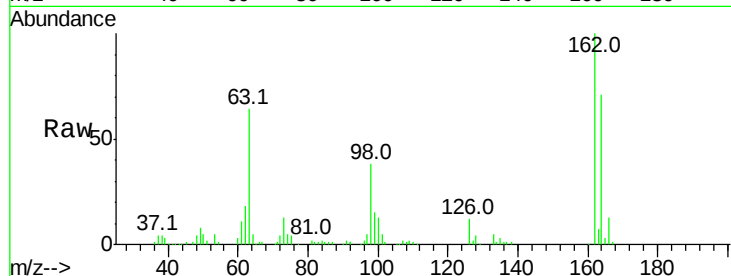




#29  
 2,4-Dichlorophenol  
 Concen: 47.866 ng  
 RT: 10.80 min Scan# 1227  
 Delta R.T. 0.00 min  
 Lab File: BG028689.D  
 Acq: 13 Sep 2017 3:44

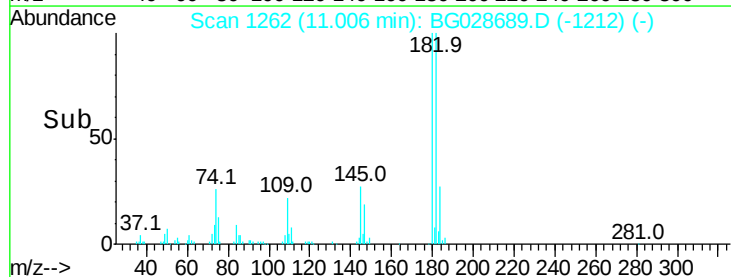
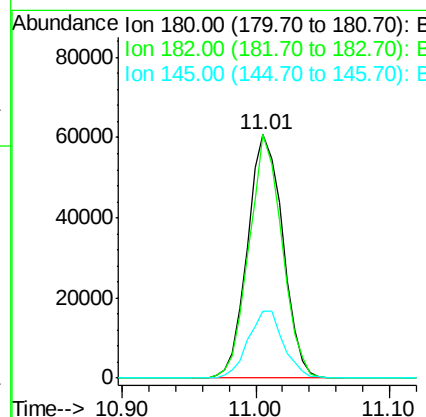
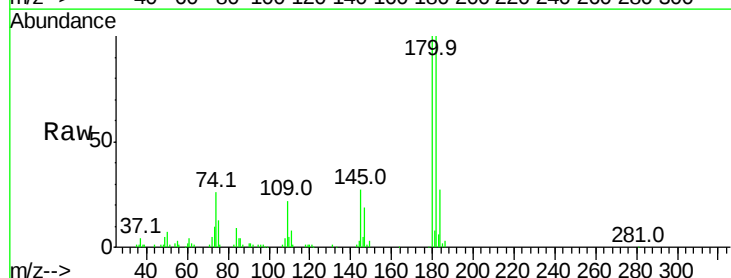
Instrument :  
 BNA\_G  
 ClientSampleId :

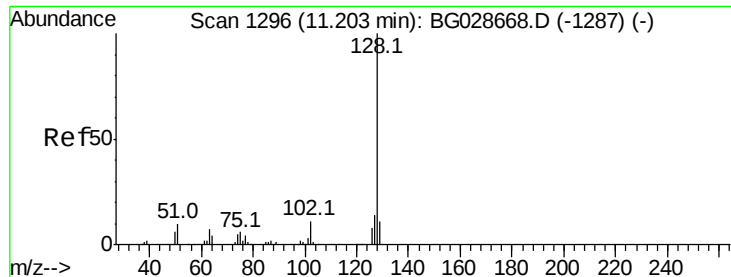
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 70.9  | 42.4  | 82.4  |
| 98      | 37.8  | 20.3  | 60.3  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 46.624 ng  
 RT: 11.01 min Scan# 1262  
 Delta R.T. -0.00 min  
 Lab File: BG028689.D  
 Acq: 13 Sep 2017 3:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 99.9  | 77.0  | 115.4 |
| 145     | 27.3  | 23.4  | 35.0  |





#31

Naphthalene

Concen: 49.194 ng

RT: 11.20 min Scan# 1295

Delta R.T. -0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

Instrument :

BNA\_G

ClientSampleId :

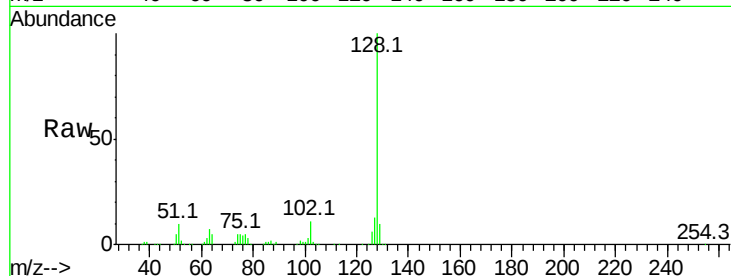
Tot Ion:128 Resp: 297588

Ion Ratio Lower Upper

128 100

129 10.3 9.3 13.9

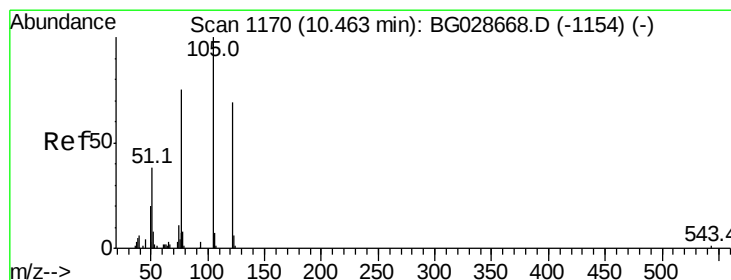
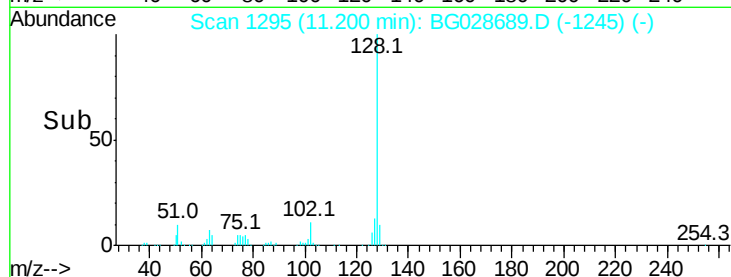
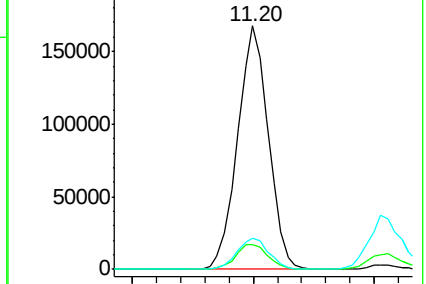
127 12.6 11.4 17.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 13.665 ng

RT: 10.42 min Scan# 1162

Delta R.T. -0.04 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

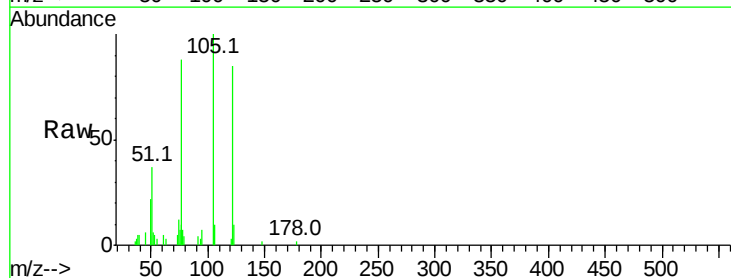
Tgt Ion:122 Resp: 12856

Ion Ratio Lower Upper

122 100

105 118.3 120.1 160.1#

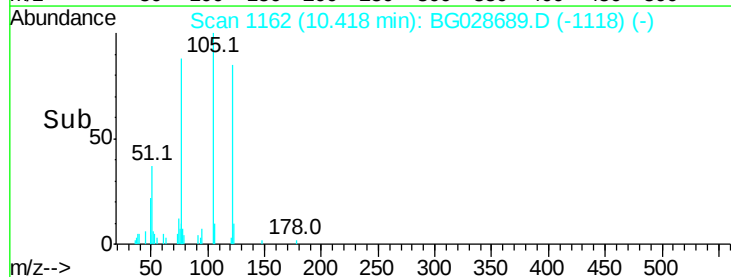
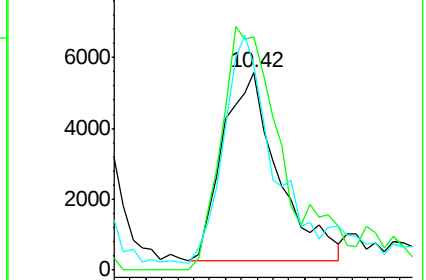
77 104.4 104.6 144.6#

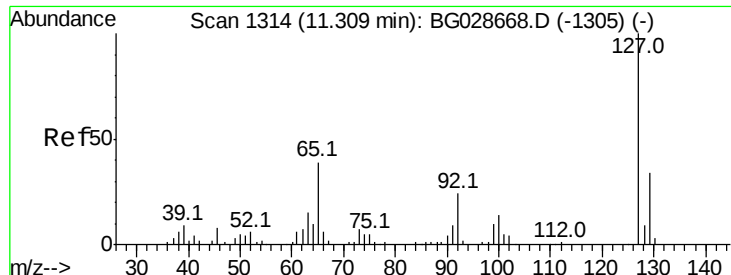


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

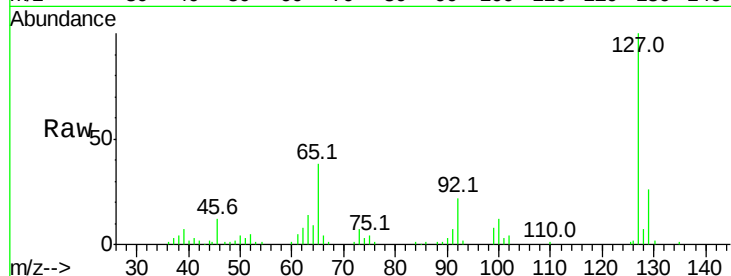




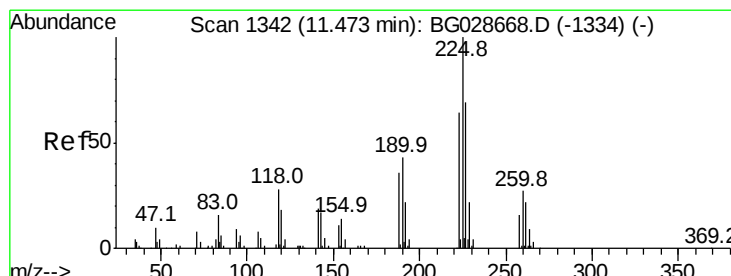
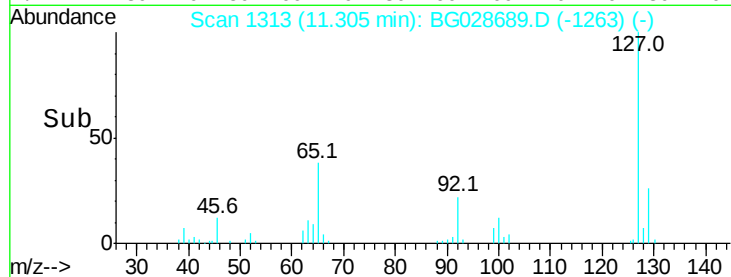
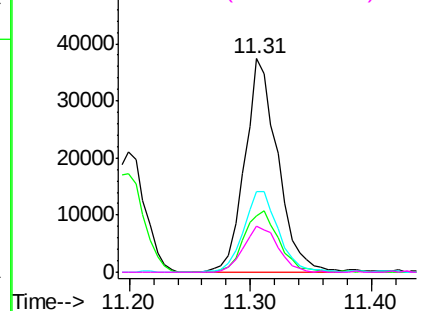
#33  
4-Chloroaniline  
Concen: 28.110 ng  
RT: 11.31 min Scan# 1313  
Delta R.T. -0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

Instrument :  
BNA\_G  
ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 71235 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 26.2  | 23.6  | 35.4  |
| 65       | 37.9  | 37.7  | 56.5  |
| 92       | 21.5  | 17.6  | 26.4  |

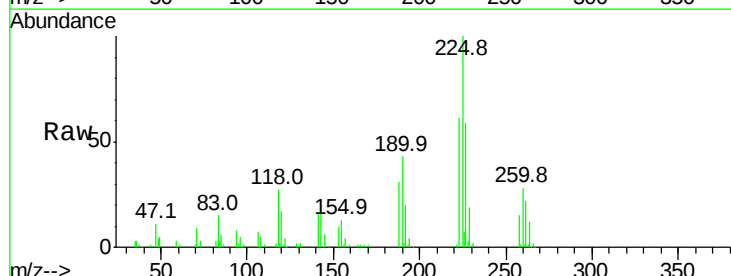


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BG  
Ion 92.00 (91.70 to 92.70): BG

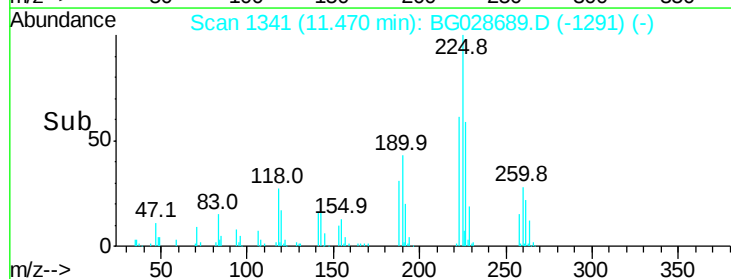
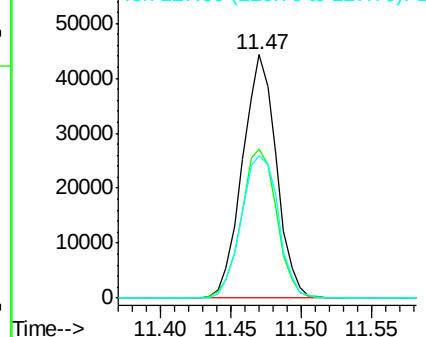


#34  
Hexachlorobutadiene  
Concen: 42.754 ng  
RT: 11.47 min Scan# 1341  
Delta R.T. -0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 74552 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 61.3  | 50.7  | 76.1  |
| 227      | 58.7  | 49.0  | 73.6  |



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





#35

Caprolactam

Concen: 9.094 ng

RT: 12.09 min Scan# 1447

Delta R.T. -0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

Instrument :

BNA\_G

ClientSampleId :

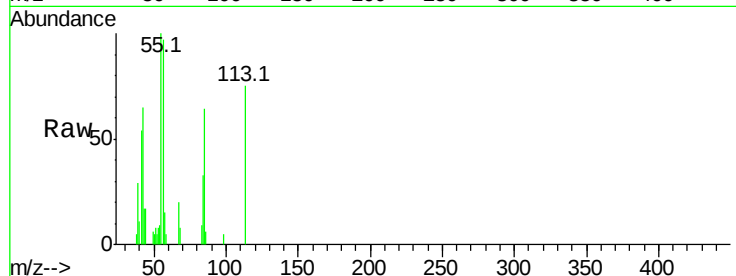
Tot Ion:113 Resp: 6768

Ion Ratio Lower Upper

113 100

55 133.0 198.6 238.6#

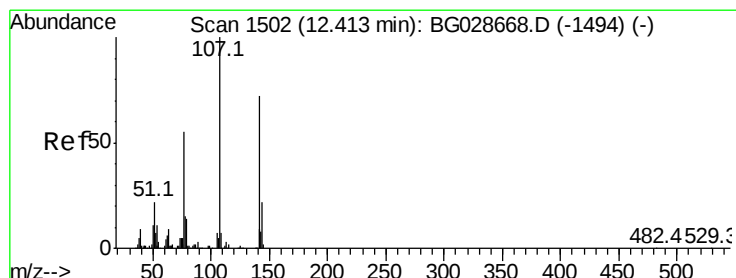
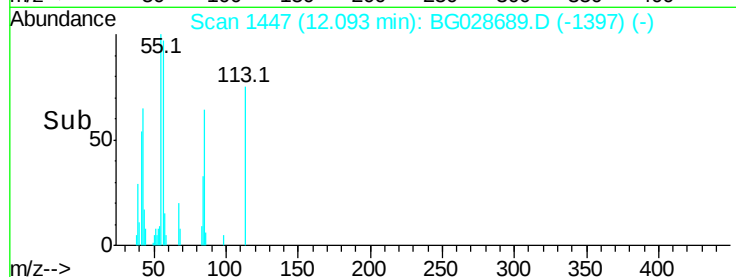
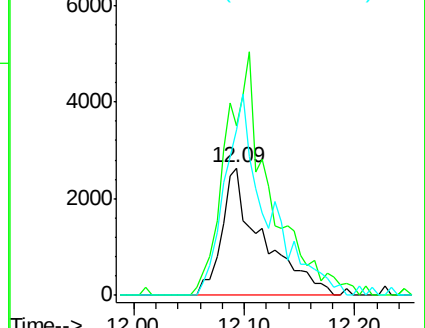
56 129.4 140.4 180.4#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 44.654 ng

RT: 12.41 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

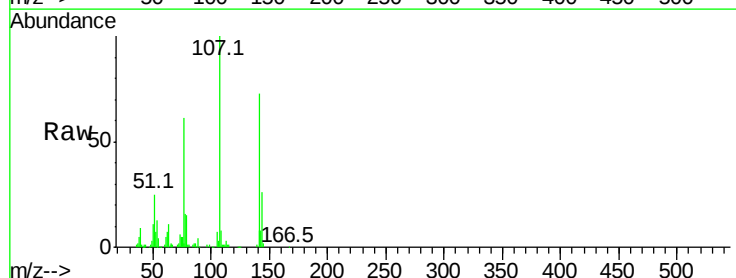
Tgt Ion:107 Resp: 120600

Ion Ratio Lower Upper

107 100

144 26.4 17.4 26.0#

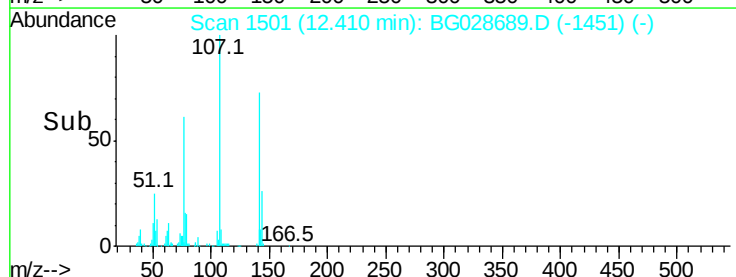
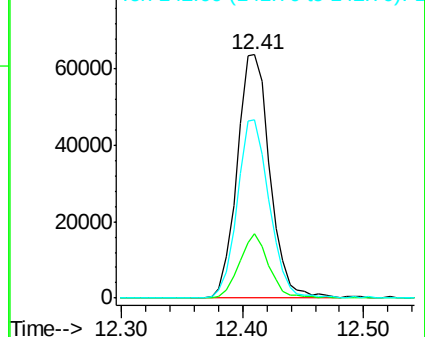
142 73.0 54.1 81.1

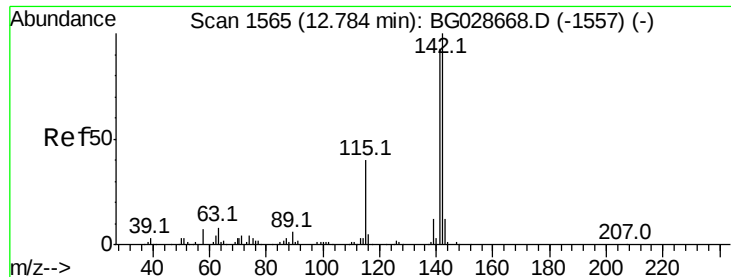


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

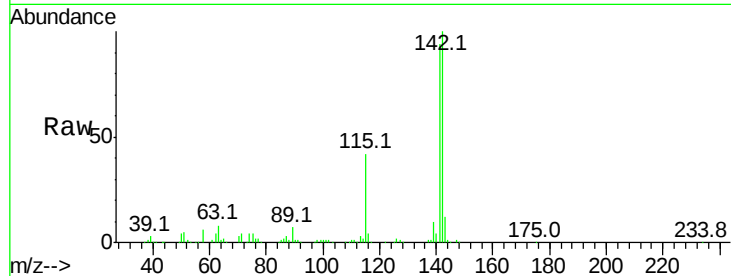




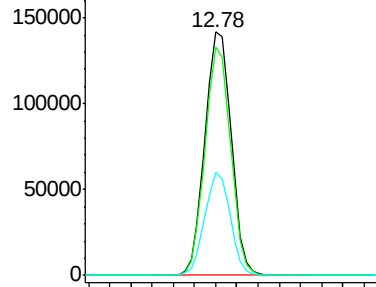
#37  
2-Methylnaphthalene  
Concen: 54.039 ng  
RT: 12.78 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

Instrument :  
BNA\_G  
ClientSampleId :

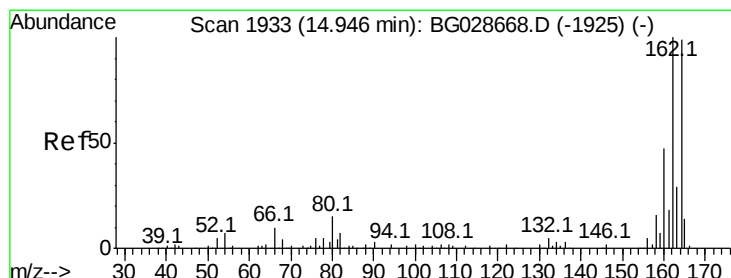
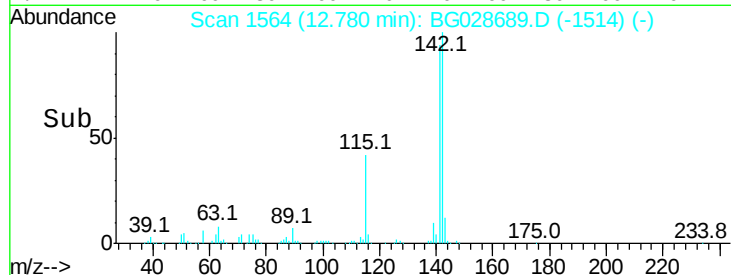
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 93.9  | 70.4  | 105.6 |
| 115     | 42.3  | 35.5  | 53.3  |



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

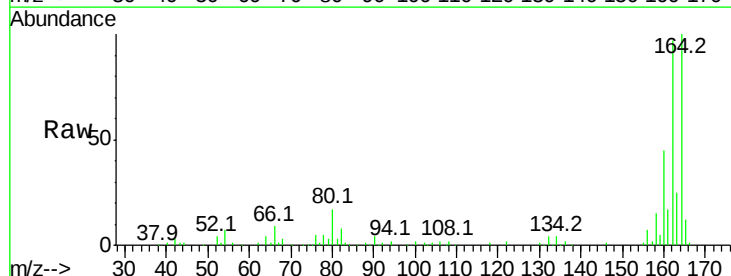


Time-->

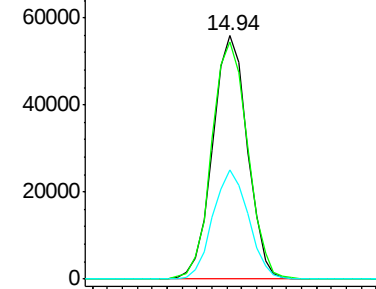


#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.94 min Scan# 1932  
Delta R.T. -0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

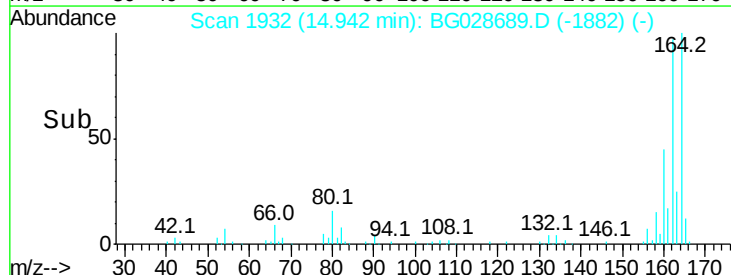
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 97.5  | 85.1  | 127.7 |
| 160     | 45.0  | 34.7  | 52.1  |

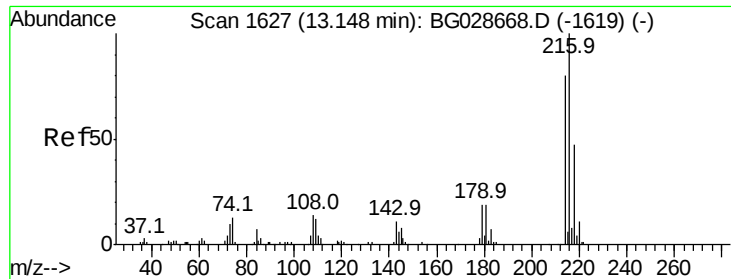


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E



Time-->





#39

1,2,4,5-Tetrachlorobenzene

Concen: 42.172 ng

RT: 13.14 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

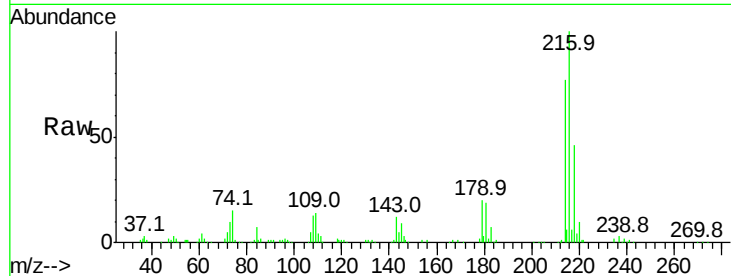
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:216 Resp: 154988

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 216 | 100   |       |       |
| 214 | 79.5  | 64.4  | 96.6  |
| 179 | 19.2  | 17.4  | 26.0  |
| 108 | 16.4  | 15.6  | 23.4  |

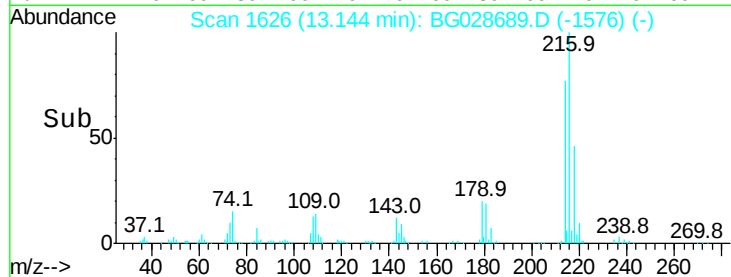


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time--> 13.05 13.10 13.15 13.20

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

Time--> 13.05 13.10 13.15 13.20

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

Time--> 13.05 13.10 13.15 13.20

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

Time--> 13.05 13.10 13.15 13.20

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

Time--> 13.05 13.10 13.15 13.20

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

Time--> 13.05 13.10 13.15 13.20

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

Time--> 13.05 13.10 13.15 13.20

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

Time--> 13.05 13.10 13.15 13.20

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

Time--> 13.05 13.10 13.15 13.20

Abundance

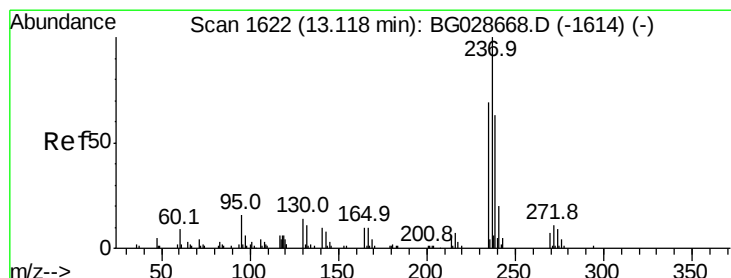
Ion 216.00 (215.70 to 216.70): E

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

Time--> 13.05 13.10 13.15 13.20



#40

Hexachlorocyclopentadiene

Concen: 94.465 ng

RT: 13.11 min Scan# 1621

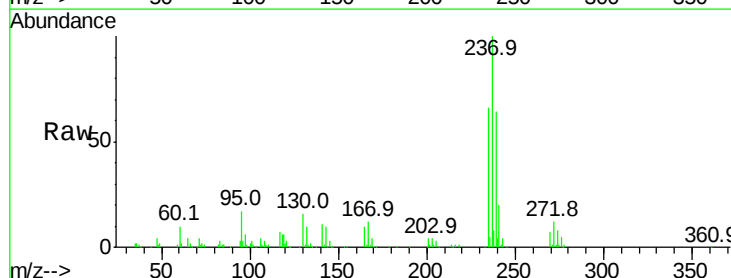
Delta R.T. -0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

Tgt Ion:237 Resp: 137036

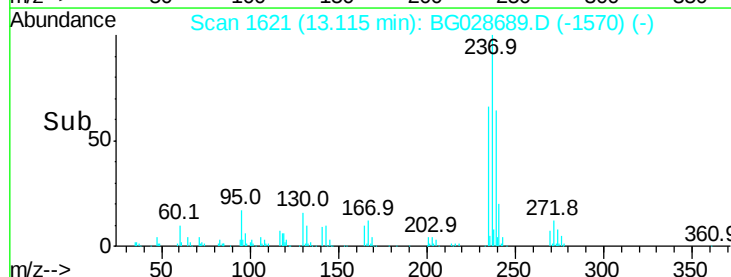
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 237 | 100   |       |       |
| 235 | 66.4  | 39.4  | 79.4  |
| 272 | 11.6  | 0.0   | 32.0  |



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Time--> 13.05 13.10 13.15

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

Time--> 13.05 13.10 13.15

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

Time--> 13.05 13.10 13.15

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

Time--> 13.05 13.10 13.15

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

Time--> 13.05 13.10 13.15

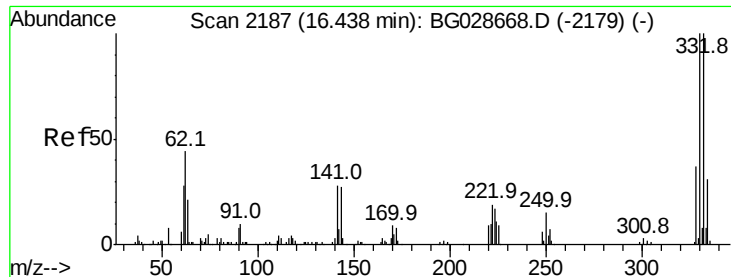
Abundance

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

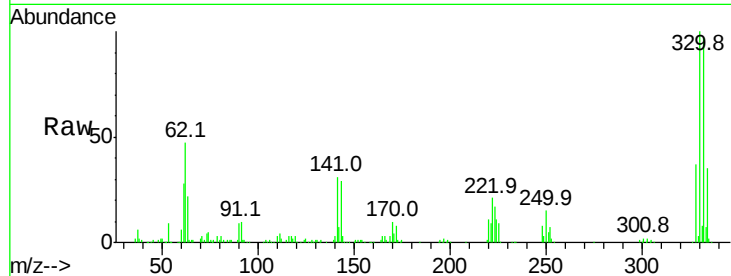
Time--> 13.05 13.10 13.15



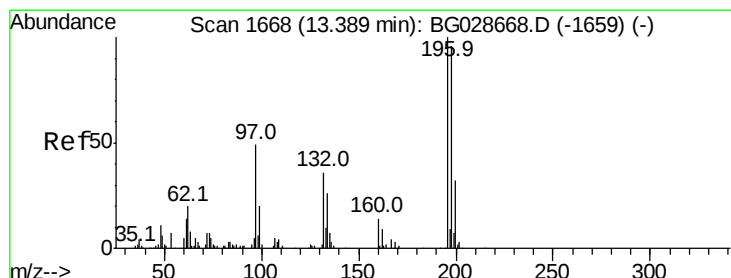
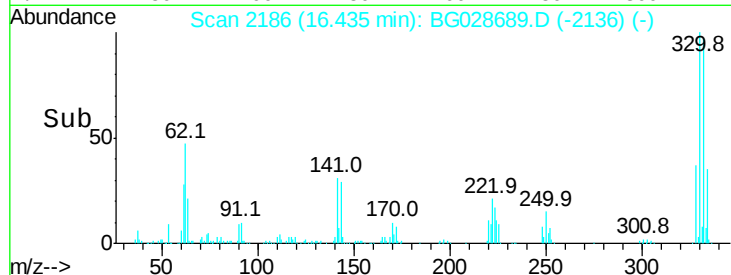
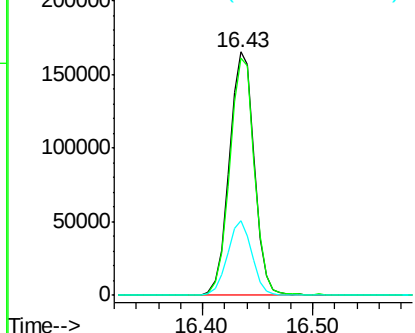
#41  
 2,4,6-Tribromophenol  
 Concen: 177.381 ng  
 RT: 16.43 min Scan# 2186  
 Delta R.T. -0.00 min  
 Lab File: BG028689.D  
 Acq: 13 Sep 2017 3:44

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:330 Resp: 262226  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 77.3 115.9  
 141 30.3 32.1 48.1#

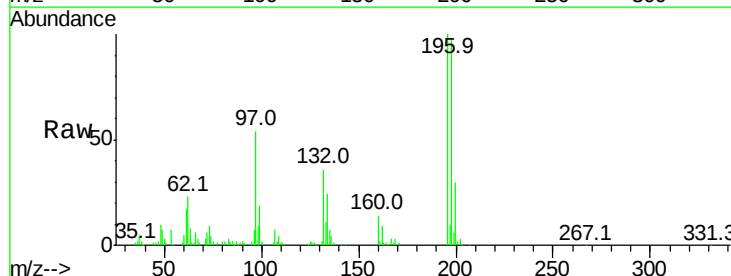


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

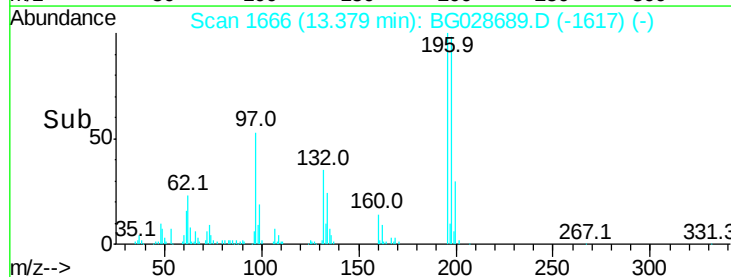
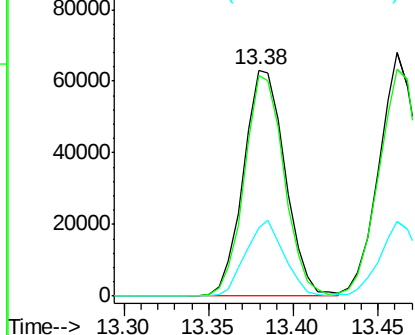


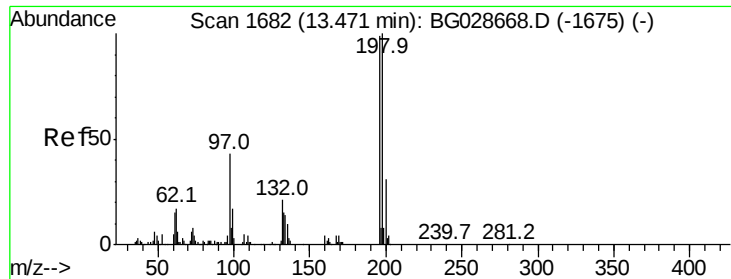
#42  
 2,4,6-Trichlorophenol  
 Concen: 46.464 ng  
 RT: 13.38 min Scan# 1666  
 Delta R.T. -0.01 min  
 Lab File: BG028689.D  
 Acq: 13 Sep 2017 3:44

Tgt Ion:196 Resp: 108380  
 Ion Ratio Lower Upper  
 196 100  
 198 97.5 81.4 122.2  
 200 29.9 27.0 40.6



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

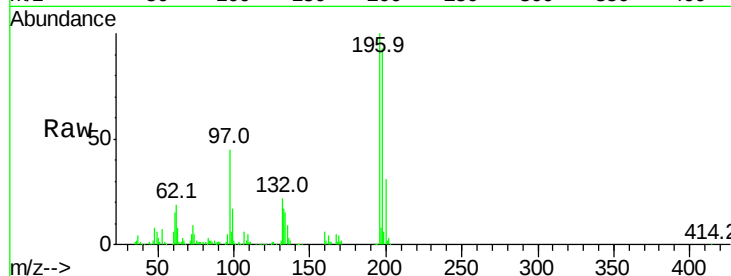




#43  
2,4,5-Trichlorophenol  
Concen: 49.958 ng  
RT: 13.46 min Scan# 1680  
Delta R.T. -0.01 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

Instrument :  
BNA\_G  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 93.3  | 79.9  | 119.9 |
| 97      | 45.0  | 45.4  | 68.0  |
| 132     | 21.9  | 20.7  | 31.1  |



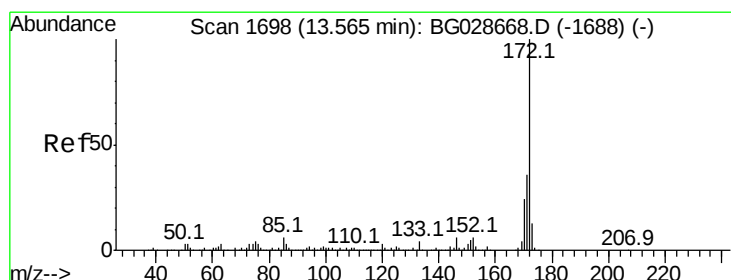
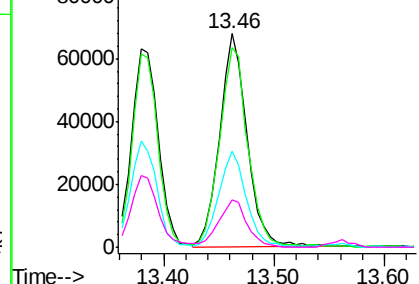
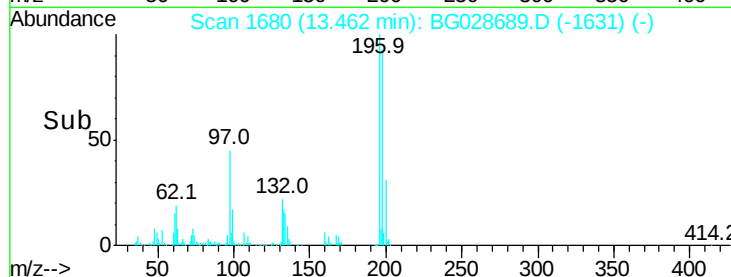
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

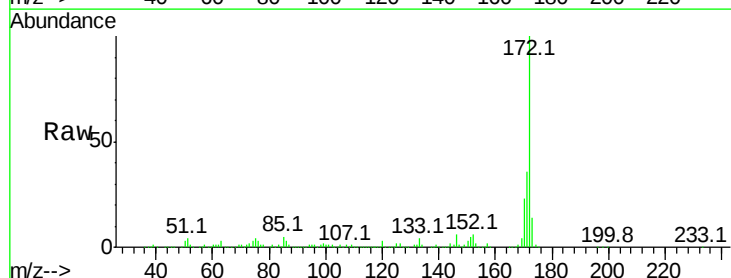
Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E



#44  
2-Fluorobiphenyl  
Concen: 96.971 ng  
RT: 13.56 min Scan# 1697  
Delta R.T. -0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 32.2  | 48.2  |
| 170     | 22.9  | 21.8  | 32.6  |

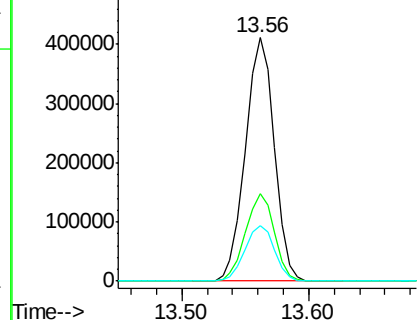
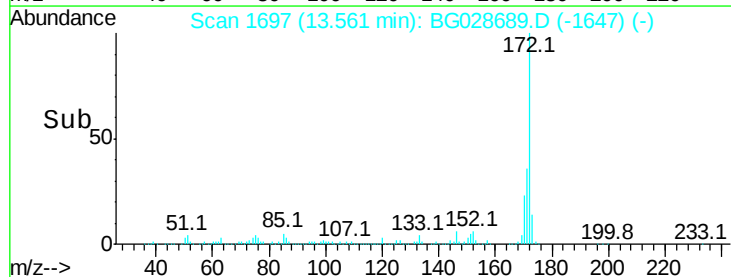


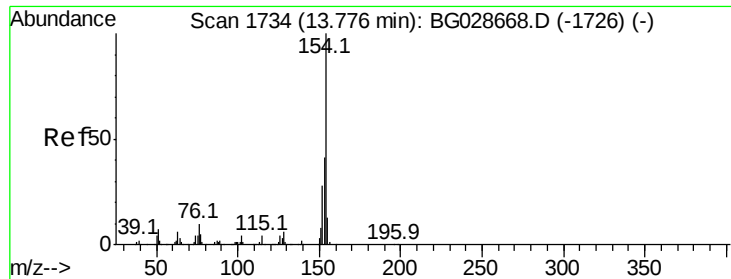
Abundance

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

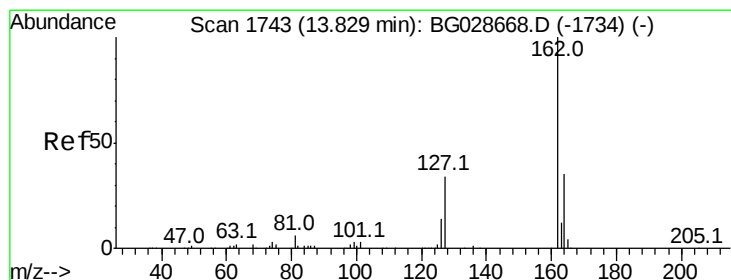
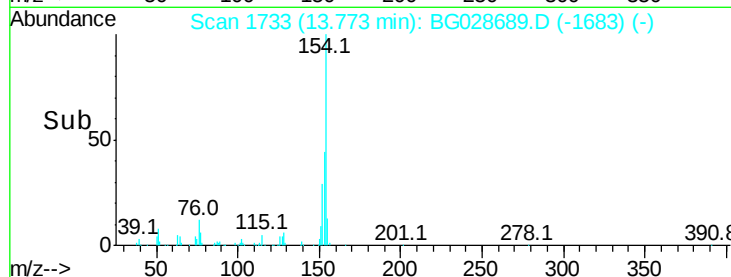
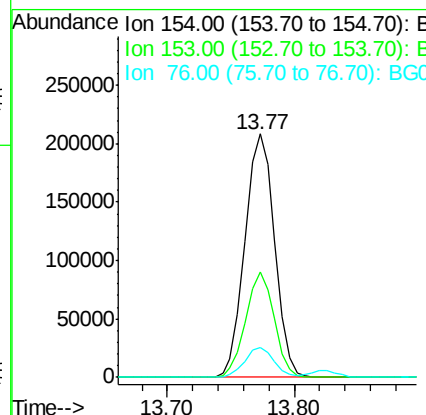
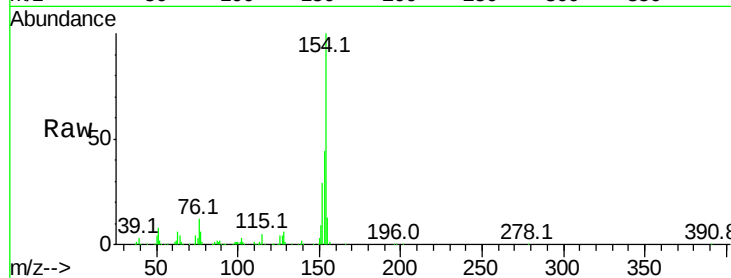




#45  
 1,1'-Biphenyl  
 Concen: 45.689 ng  
 RT: 13.77 min Scan# 1733  
 Delta R.T. -0.00 min  
 Lab File: BG028689.D  
 Acq: 13 Sep 2017 3:44

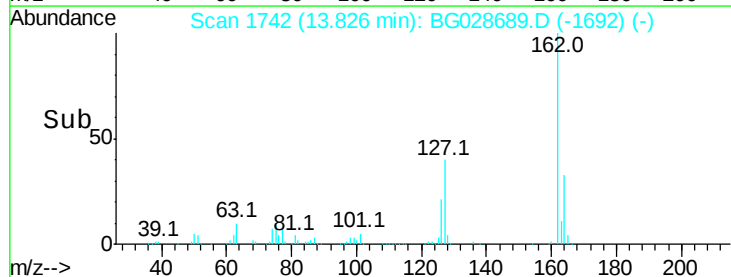
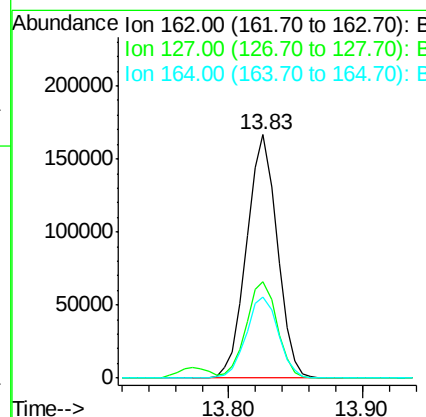
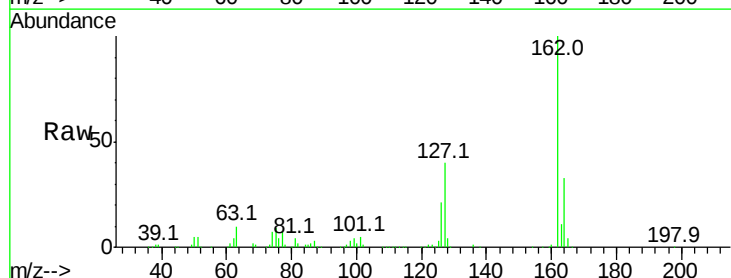
Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 43.5  | 23.0  | 63.0  |
| 76      | 12.1  | 0.0   | 33.5  |



#46  
 2-Chloronaphthalene  
 Concen: 48.648 ng  
 RT: 13.83 min Scan# 1742  
 Delta R.T. -0.00 min  
 Lab File: BG028689.D  
 Acq: 13 Sep 2017 3:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 39.6  | 32.2  | 48.4  |
| 164     | 33.0  | 27.3  | 40.9  |

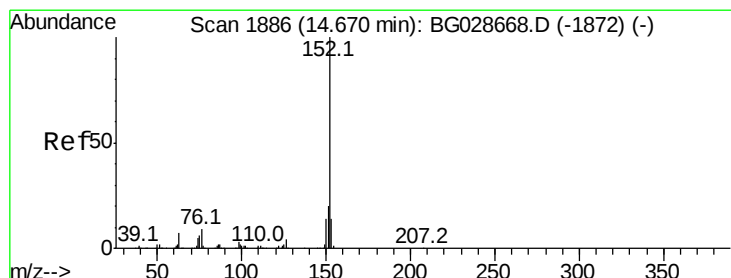
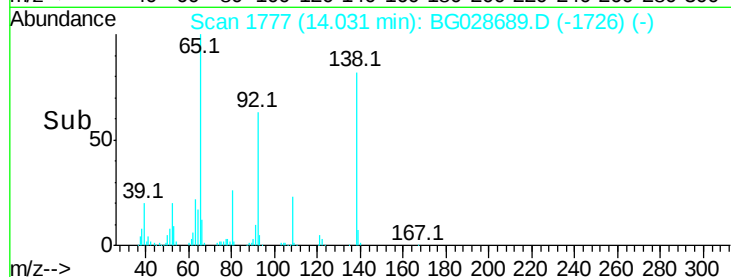
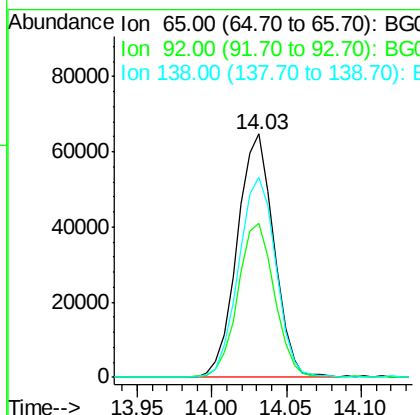
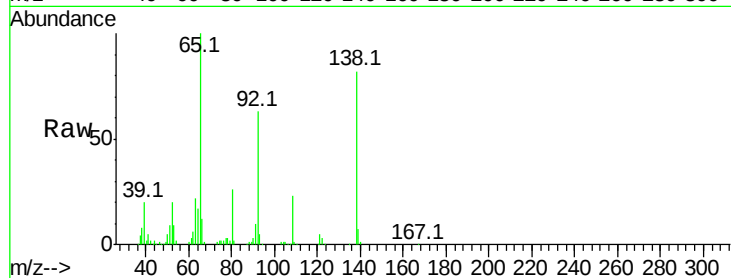




#47  
2-Nitroaniline  
Concen: 55.044 ng  
RT: 14.03 min Scan# 1777  
Delta R.T. 0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

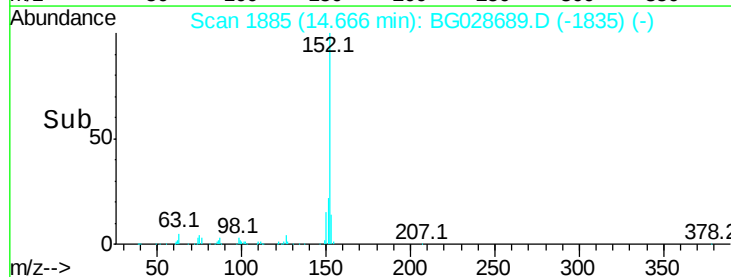
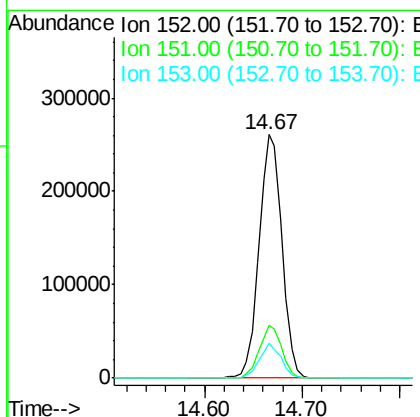
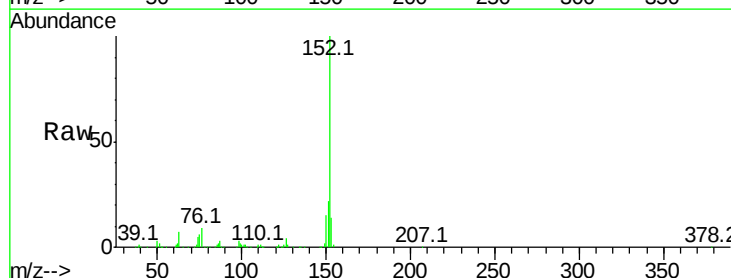
Instrument :  
BNA\_G  
ClientSampleId :

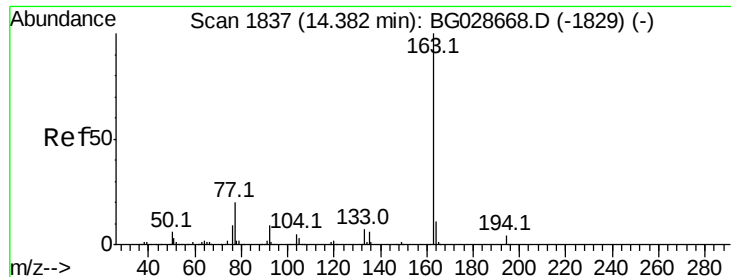
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 63.2  | 49.0  | 73.4  |
| 138     | 82.0  | 58.6  | 87.8  |



#48  
Acenaphthylene  
Concen: 49.923 ng  
RT: 14.67 min Scan# 1885  
Delta R.T. -0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 21.9  | 18.2  | 27.2  |
| 153     | 14.3  | 11.3  | 16.9  |

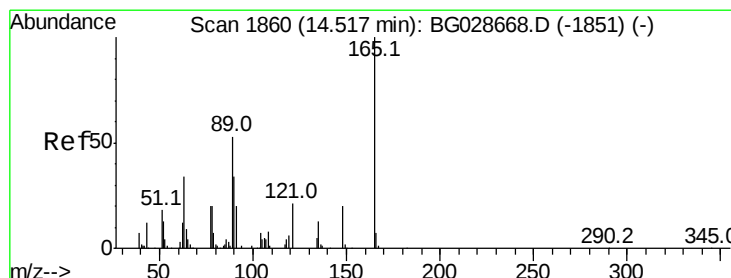
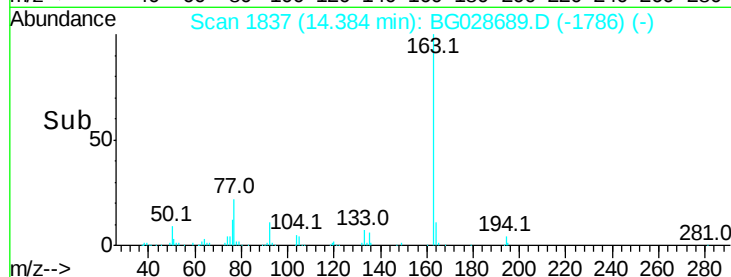
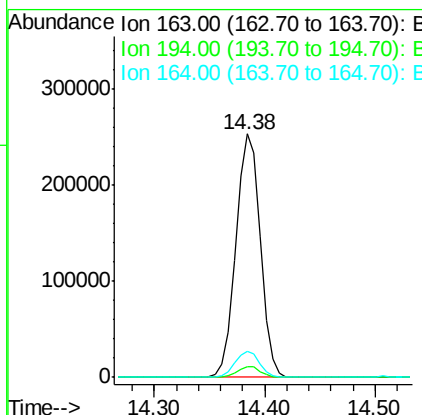
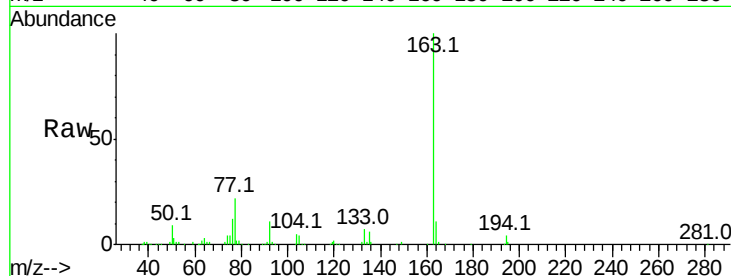




#49  
Dimethylphthalate  
Concen: 52.305 ng  
RT: 14.38 min Scan# 1837  
Delta R.T. 0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

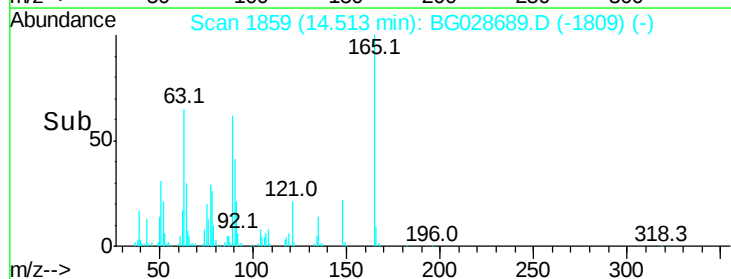
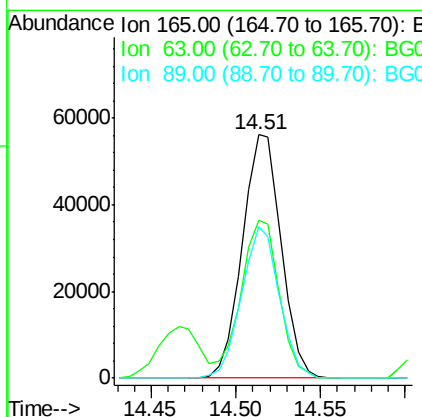
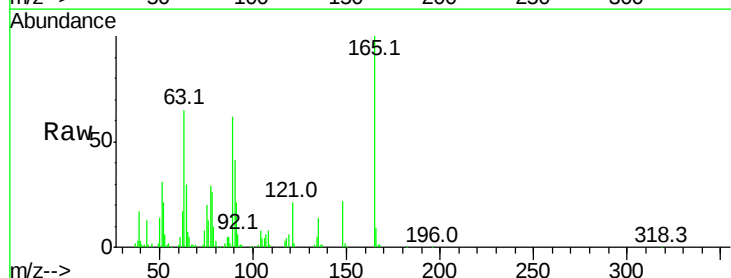
Instrument :  
BNA\_G  
ClientSampleId :

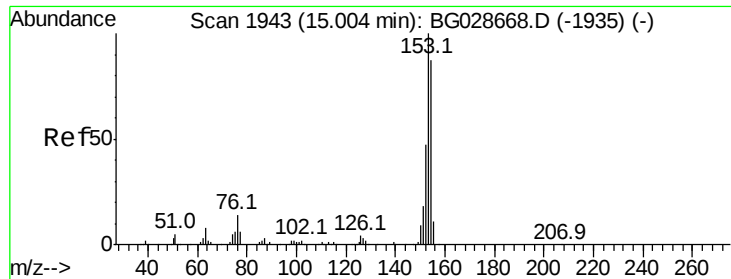
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.4   | 3.8   | 5.6   |
| 164     | 10.7  | 9.3   | 13.9  |



#50  
2,6-Dinitrotoluene  
Concen: 53.560 ng  
RT: 14.51 min Scan# 1859  
Delta R.T. -0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 64.8  | 63.9  | 95.9  |
| 89      | 62.3  | 58.6  | 88.0  |





#51

Acenaphthene

Concen: 50.742 ng

RT: 15.01 min Scan# 1943

Delta R.T. 0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

Instrument :

BNA\_G

ClientSampleId :

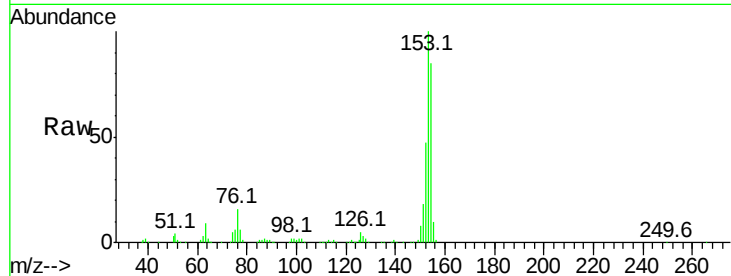
Tot Ion:154 Resp: 265814

Ion Ratio Lower Upper

154 100

153 117.9 87.8 131.6

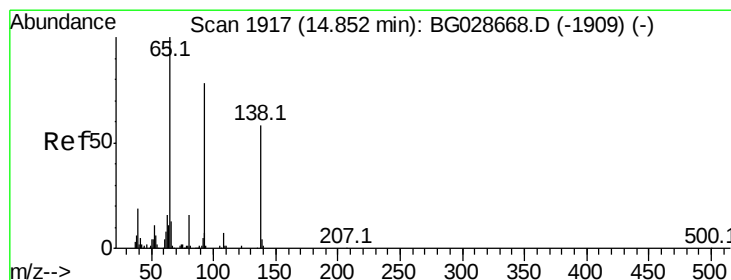
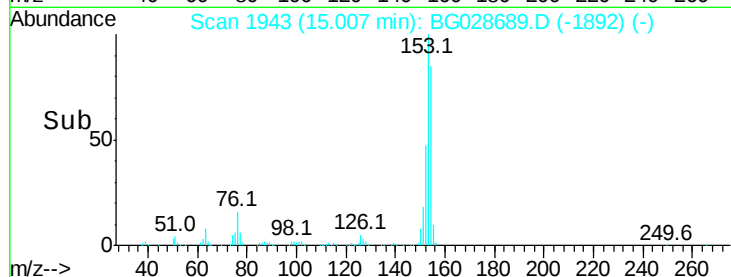
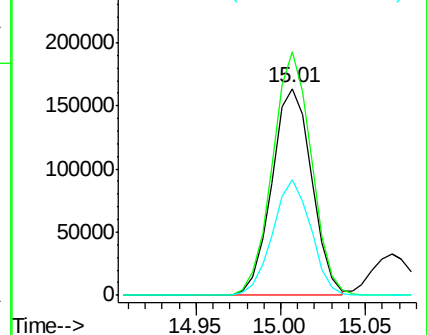
152 55.9 42.2 63.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 33.570 ng

RT: 14.85 min Scan# 1916

Delta R.T. -0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

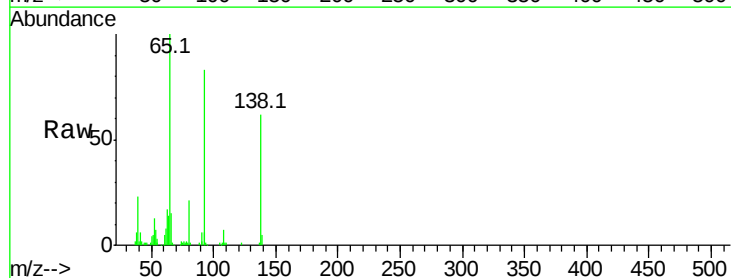
Tgt Ion:138 Resp: 49511

Ion Ratio Lower Upper

138 100

108 10.9 10.9 16.3

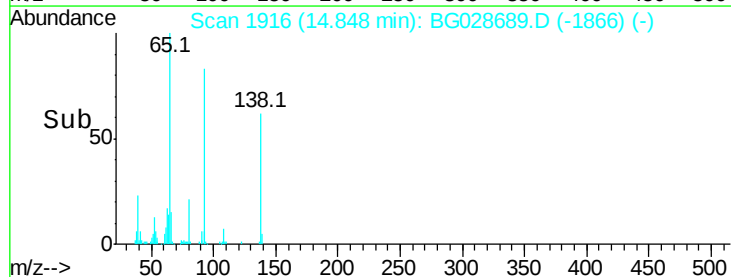
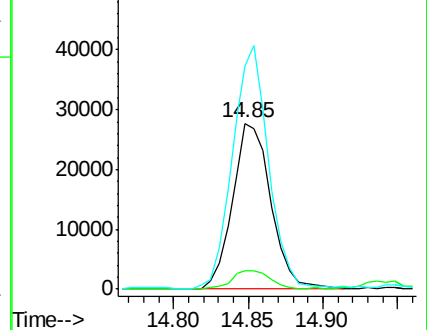
92 134.1 115.3 172.9

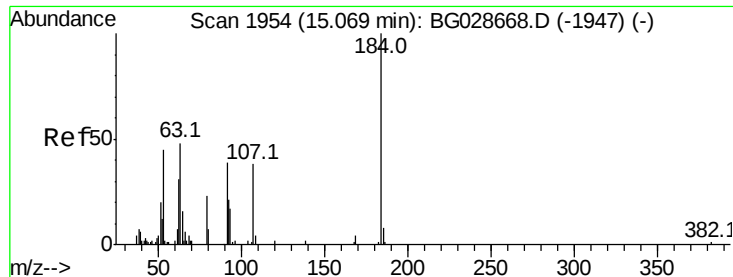


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG





#53

2,4-Dinitrophenol

Concen: 100.125 ng

RT: 15.07 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

Instrument :

BNA\_G

ClientSampleId :

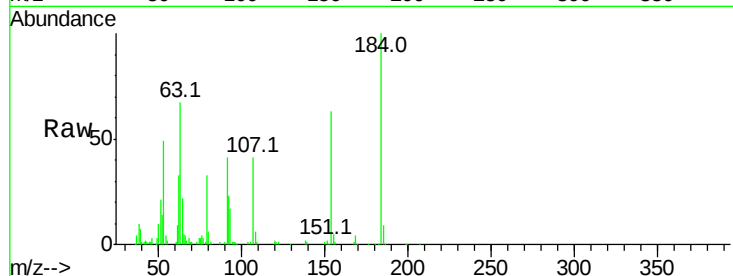
Tot Ion:184 Resp: 89954

Ion Ratio Lower Upper

184 100

63 67.4 52.7 79.1

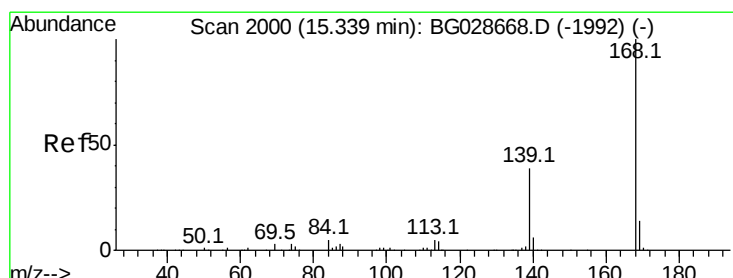
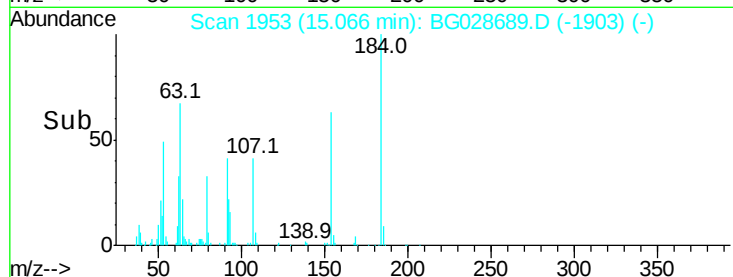
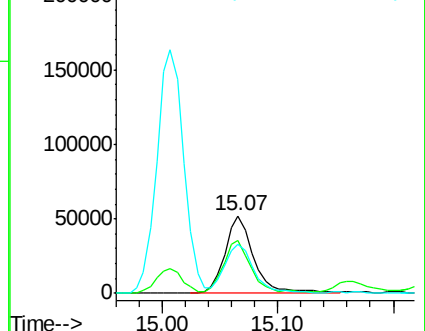
154 63.3 57.3 85.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG028689.D (-1947) (-)

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 55.617 ng

RT: 15.34 min Scan# 1999

Delta R.T. -0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

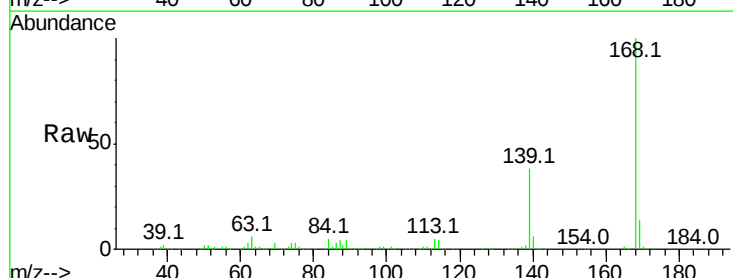
Tgt Ion:168 Resp: 464627

Ion Ratio Lower Upper

168 100

139 37.7 35.3 52.9

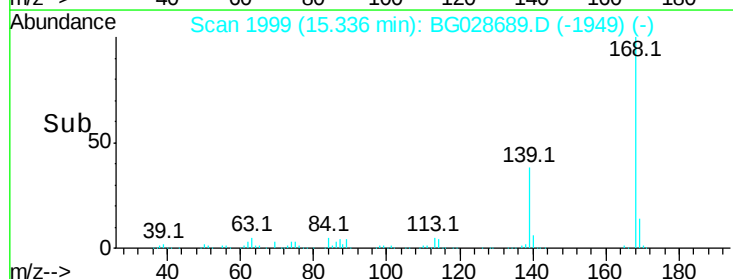
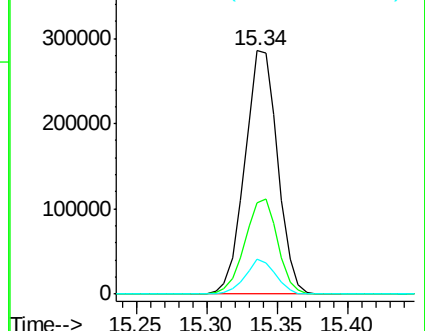
169 14.4 11.5 17.3

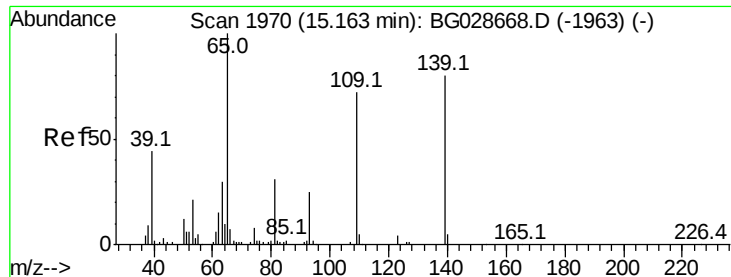


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

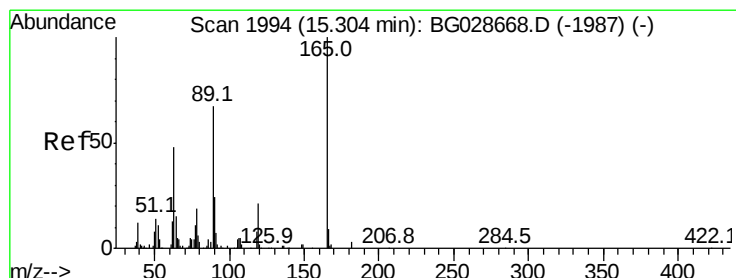
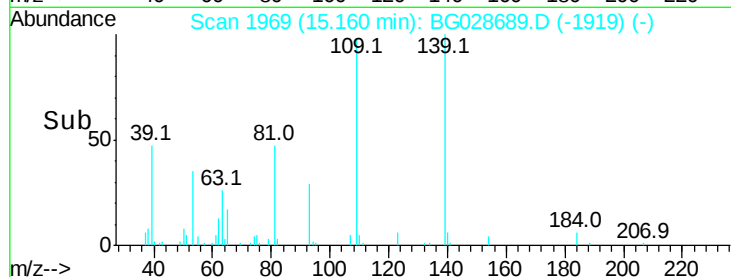
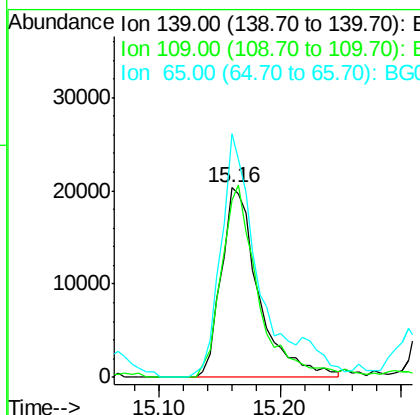
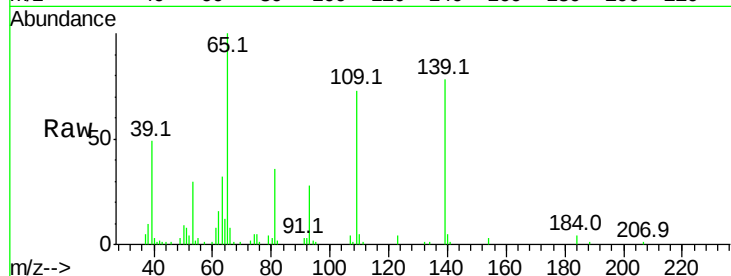




#55  
4-Nitrophenol  
Concen: 40.319 ng  
RT: 15.16 min Scan# 1969  
Delta R.T. -0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

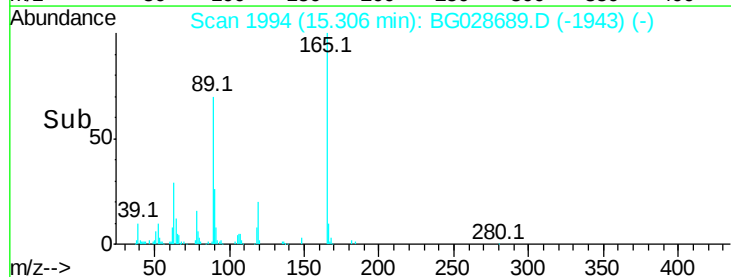
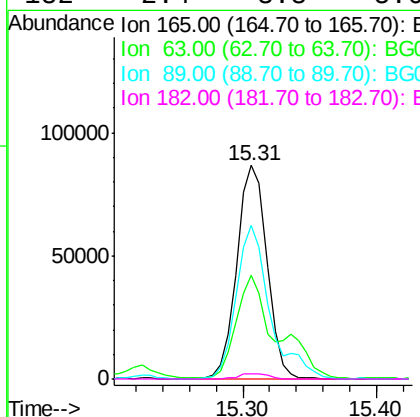
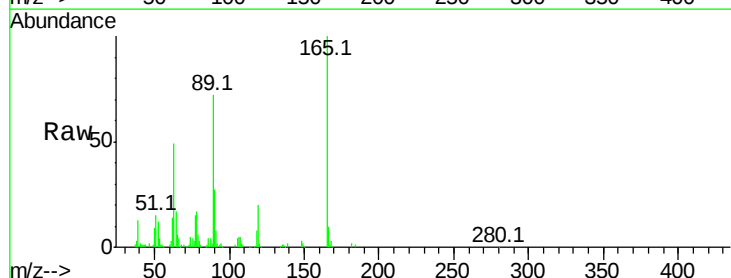
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:139 Resp: 43566  
Ion Ratio Lower Upper  
139 100  
109 93.3 101.2 141.2#  
65 128.4 135.3 175.3#



#56  
2,4-Dinitrotoluene  
Concen: 57.752 ng  
RT: 15.31 min Scan# 1994  
Delta R.T. 0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

Tgt Ion:165 Resp: 135430  
Ion Ratio Lower Upper  
165 100  
63 48.5 44.0 66.0  
89 72.2 67.3 100.9  
182 2.4 3.8 5.6#

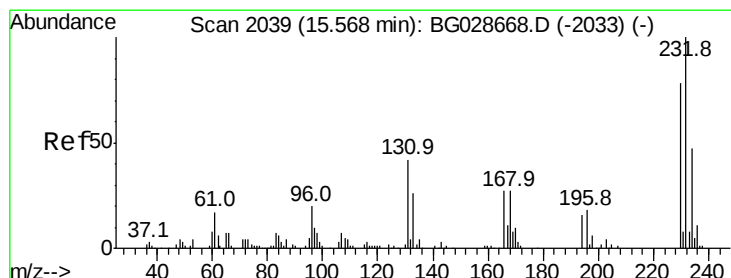
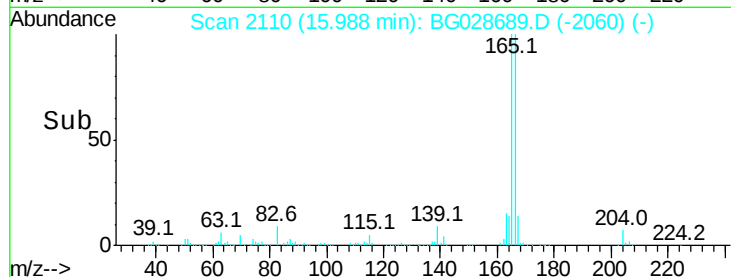
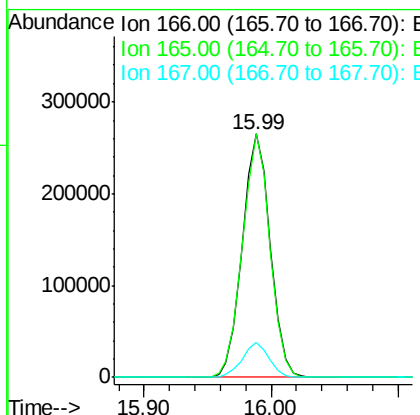
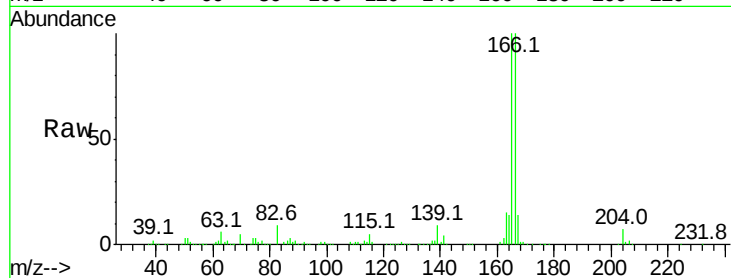




#57  
 Fluorene  
 Concen: 54.010 ng  
 RT: 15.99 min Scan# 2110  
 Delta R.T. -0.00 min  
 Lab File: BG028689.D  
 Acq: 13 Sep 2017 3:44

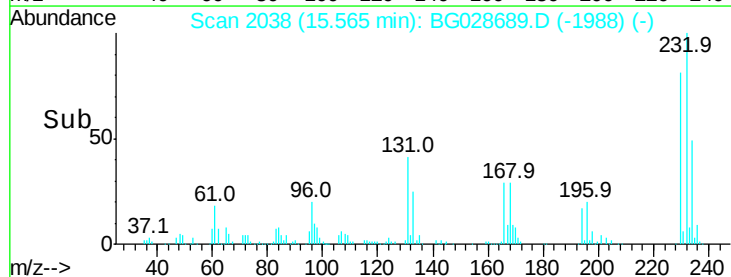
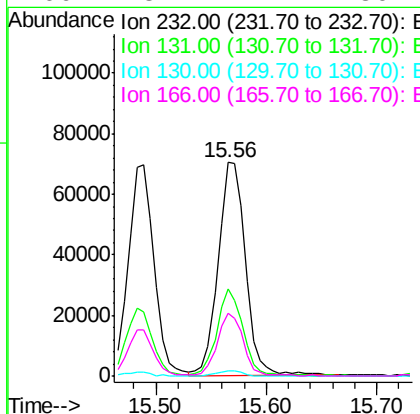
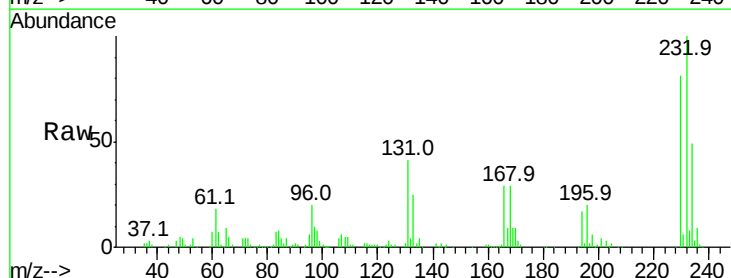
Instrument :  
 BNA\_G  
 ClientSampleId :

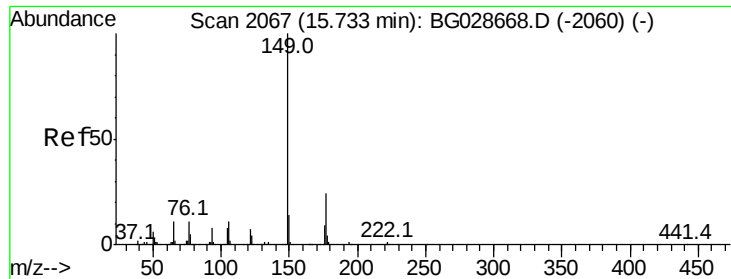
Tot Ion:166 Resp: 402817  
 Ion Ratio Lower Upper  
 166 100  
 165 100.0 78.6 117.8  
 167 14.1 11.6 17.4



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 58.159 ng  
 RT: 15.56 min Scan# 2038  
 Delta R.T. -0.00 min  
 Lab File: BG028689.D  
 Acq: 13 Sep 2017 3:44

Tgt Ion:232 Resp: 120139  
 Ion Ratio Lower Upper  
 232 100  
 131 39.6 34.9 52.3  
 130 2.1 2.3 3.5#  
 166 28.1 24.2 36.4

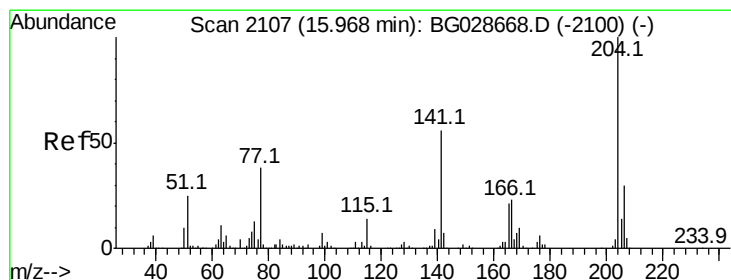
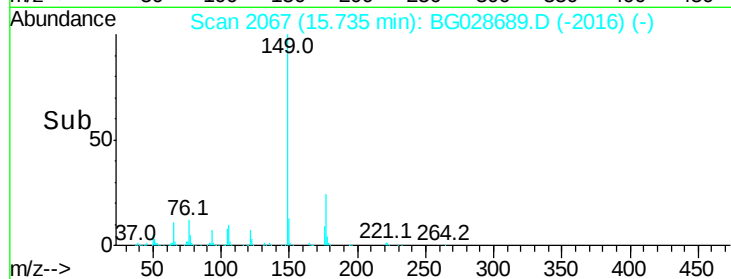
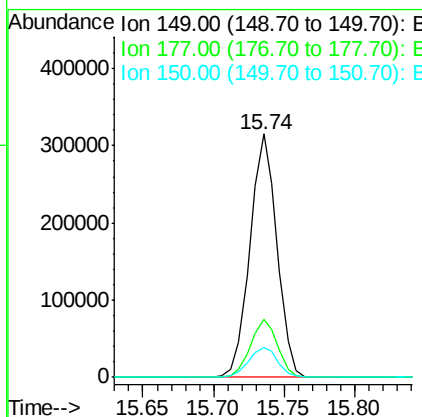
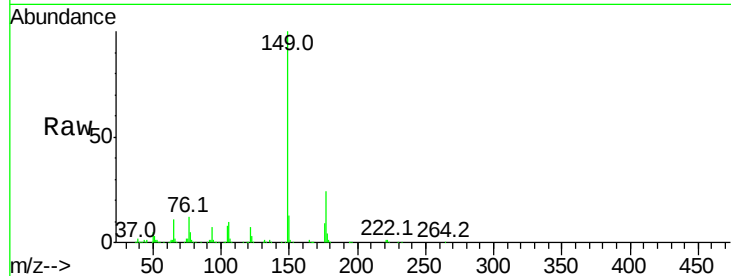




#59  
Diethylphthalate  
Concen: 54.807 ng  
RT: 15.74 min Scan# 2067  
Delta R.T. 0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

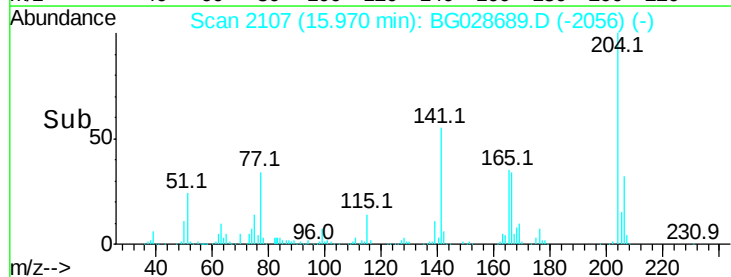
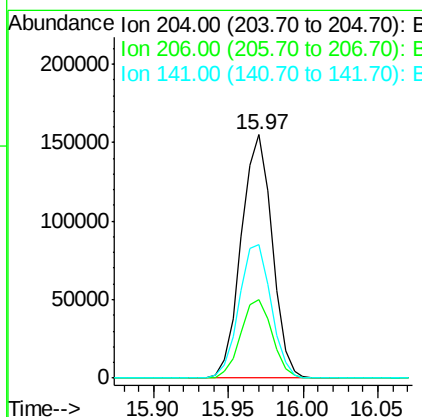
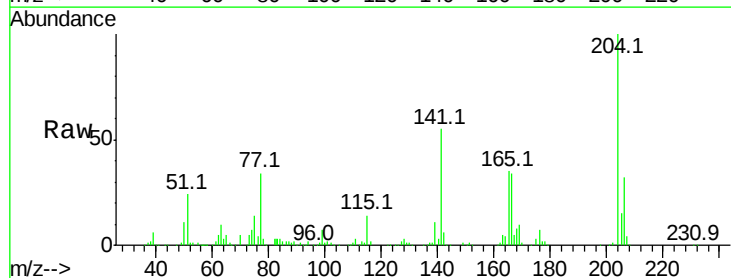
Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 23.7  | 20.1  | 30.1  |
| 150     | 12.5  | 10.2  | 15.2  |



#60  
4-Chlorophenyl-phenylether  
Concen: 52.314 ng  
RT: 15.97 min Scan# 2107  
Delta R.T. 0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.1  | 30.1  | 45.1  |
| 141     | 55.1  | 50.6  | 76.0  |

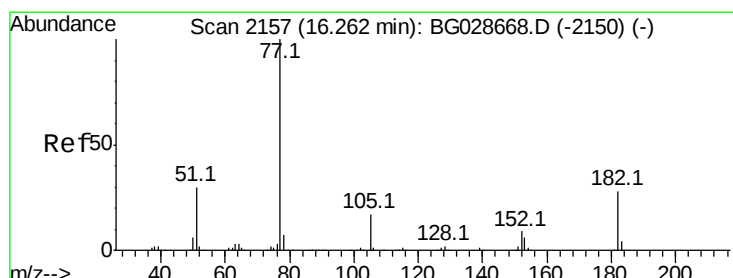
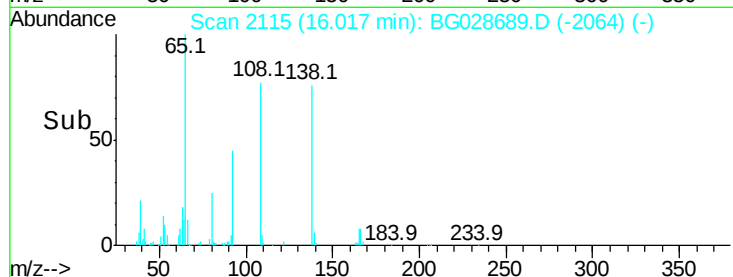
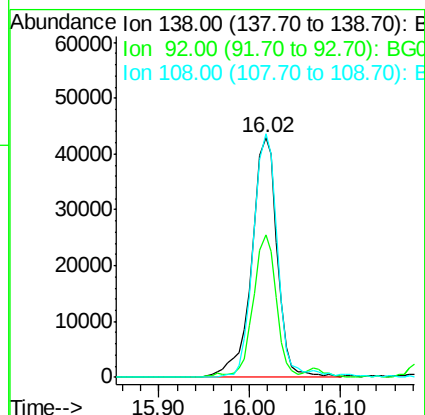
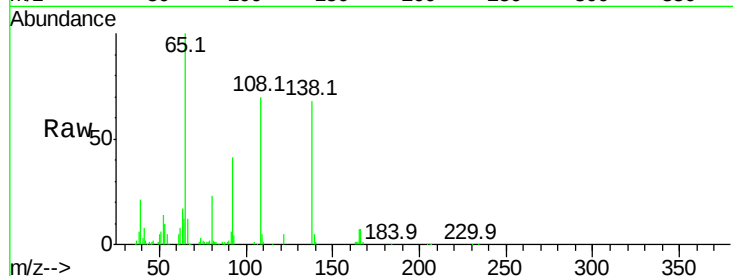




#61  
4-Nitroaniline  
Concen: 53.692 ng  
RT: 16.02 min Scan# 2115  
Delta R.T. 0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

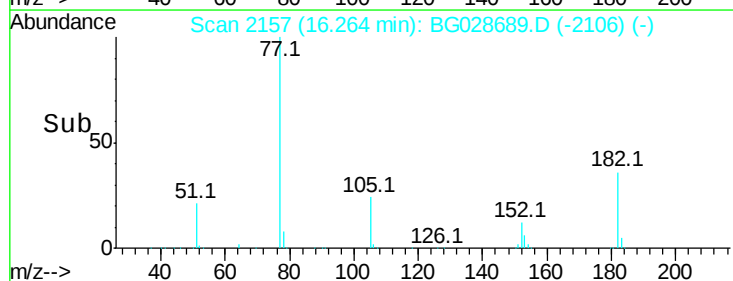
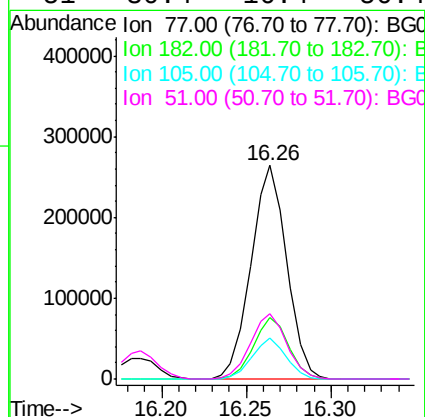
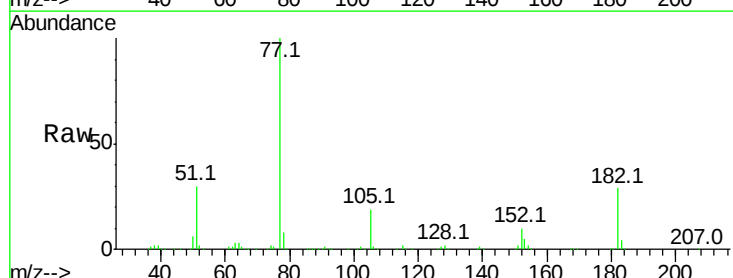
Instrument :  
BNA\_G  
ClientSampled :

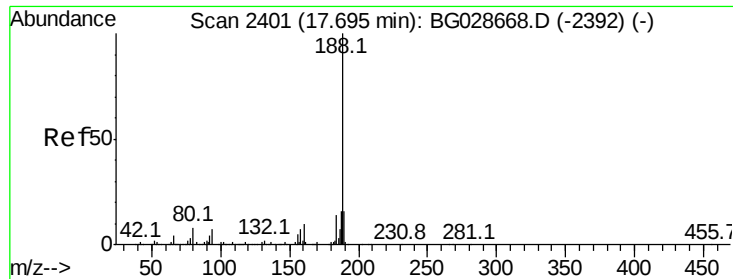
Tot Ion:138 Resp: 83892  
Ion Ratio Lower Upper  
138 100  
92 59.2 44.2 84.2  
108 101.6 104.8 144.8#



#62  
Azobenzene  
Concen: 59.520 ng  
RT: 16.26 min Scan# 2157  
Delta R.T. 0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

Tgt Ion: 77 Resp: 385571  
Ion Ratio Lower Upper  
77 100  
182 29.0 4.7 44.7  
105 19.4 0.0 36.3  
51 30.4 16.4 56.4





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.70 min Scan# 2401

Delta R.T. 0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

Instrument :

BNA\_G

ClientSampleId :

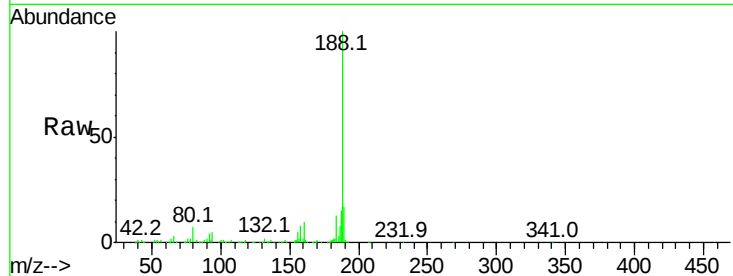
Tot Ion:188 Resp: 244593

Ion Ratio Lower Upper

188 100

94 5.5 5.8 8.8#

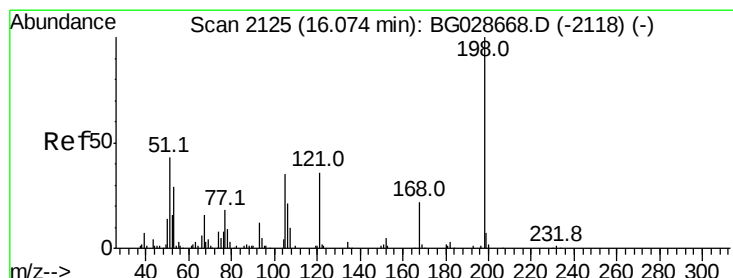
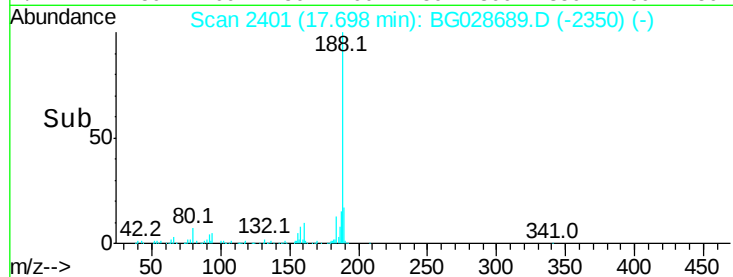
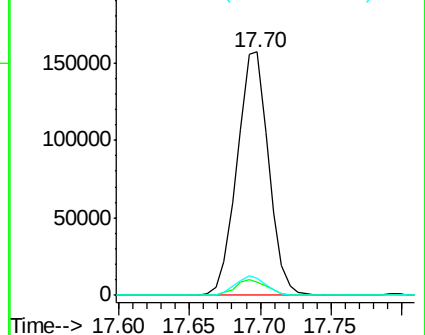
80 7.1 7.5 11.3#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#64

4,6-Dinitro-2-methylphenol

Concen: 47.410 ng

RT: 16.08 min Scan# 2125

Delta R.T. 0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

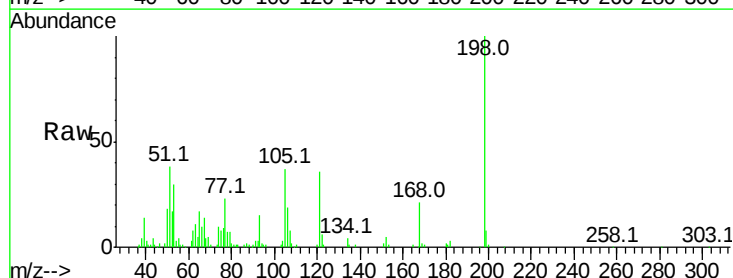
Tgt Ion:198 Resp: 74826

Ion Ratio Lower Upper

198 100

51 38.4 22.6 62.6

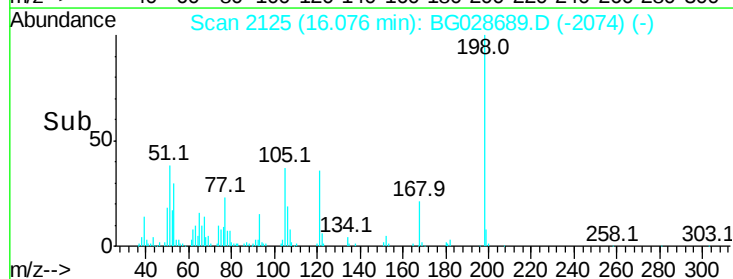
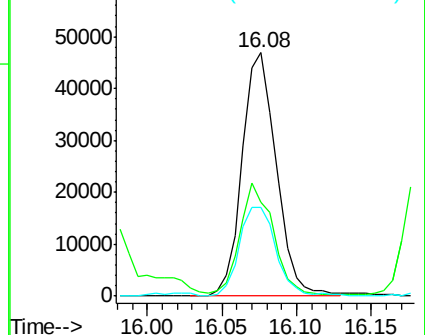
105 36.7 14.4 54.4

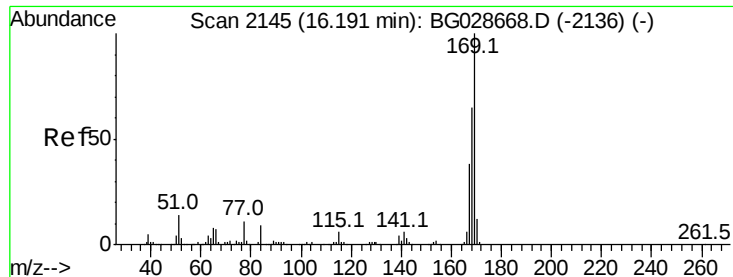


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

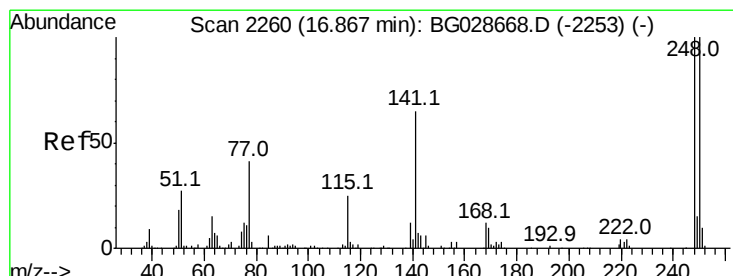
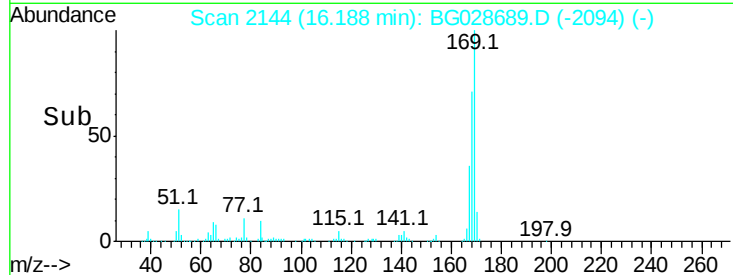
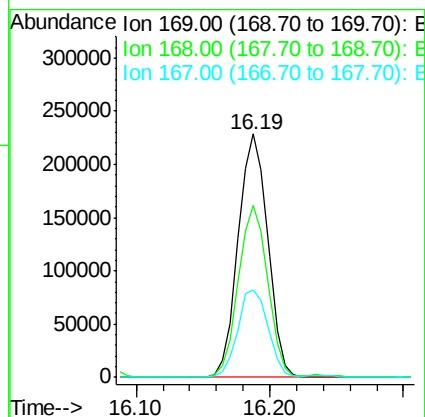
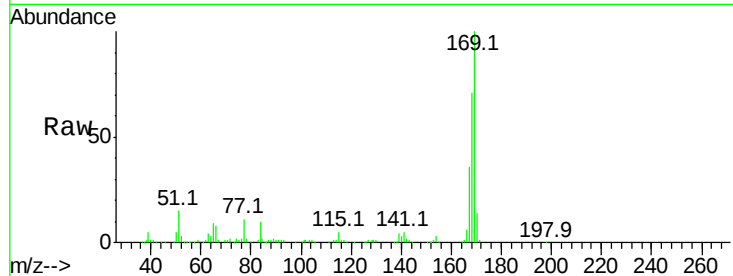




#65  
 n-Nitrosodiphenylamine  
 Concen: 50.112 ng  
 RT: 16.19 min Scan# 2144  
 Delta R.T. -0.00 min  
 Lab File: BG028689.D  
 Acq: 13 Sep 2017 3:44

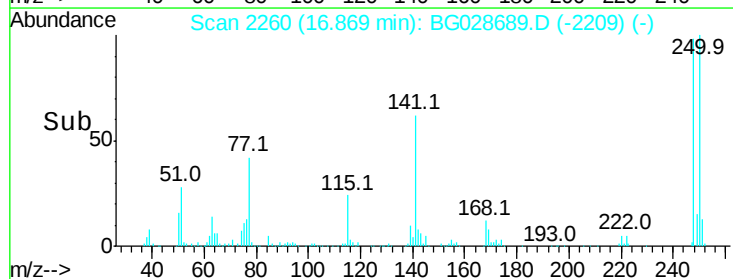
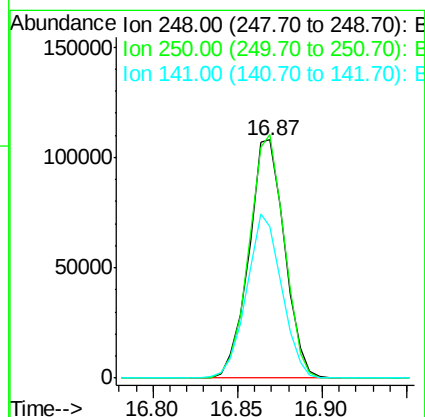
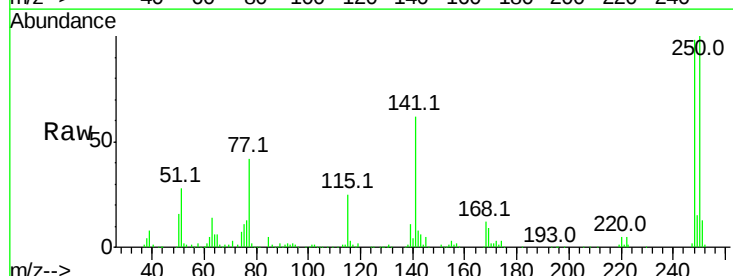
Instrument :  
 BNA\_G  
 ClientSampleId :

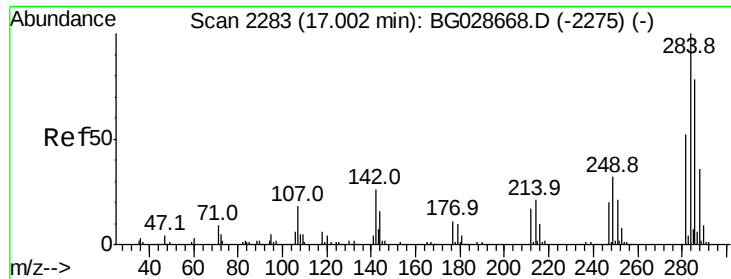
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 70.5  | 55.7  | 83.5  |
| 167     | 36.2  | 29.8  | 44.6  |



#66  
 4-Bromophenyl-phenylether  
 Concen: 50.675 ng  
 RT: 16.87 min Scan# 2260  
 Delta R.T. 0.00 min  
 Lab File: BG028689.D  
 Acq: 13 Sep 2017 3:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 102.1 | 75.0  | 112.6 |
| 141     | 63.6  | 55.2  | 82.8  |

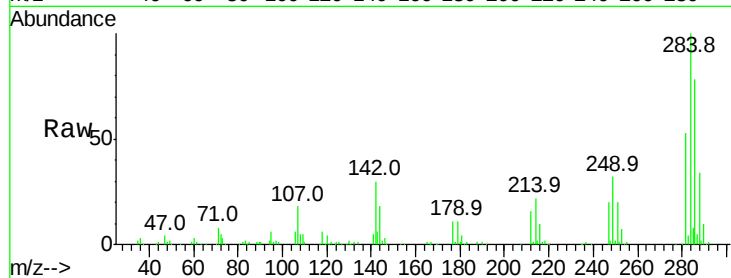




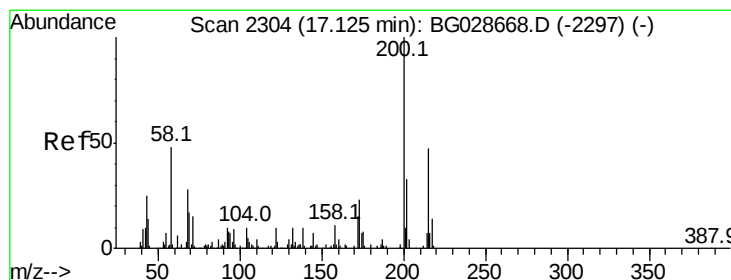
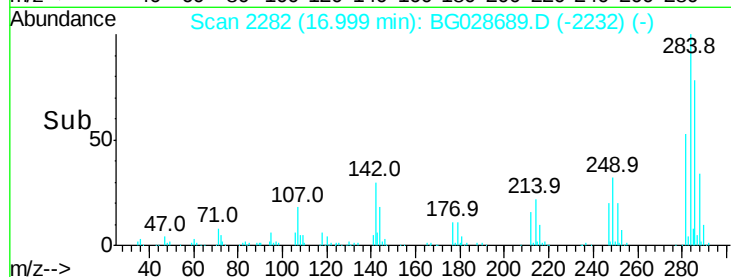
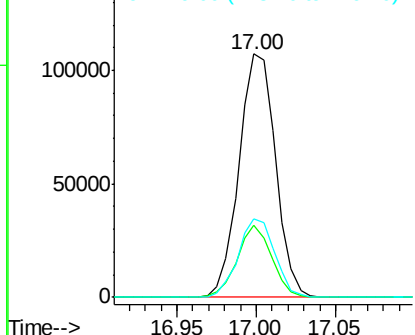
#67  
Hexachlorobenzene  
Concen: 47.719 ng  
RT: 17.00 min Scan# 2282  
Delta R.T. -0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

Instrument :  
BNA\_G  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 29.6  | 29.9  | 44.9# |
| 249     | 32.4  | 29.2  | 43.8  |

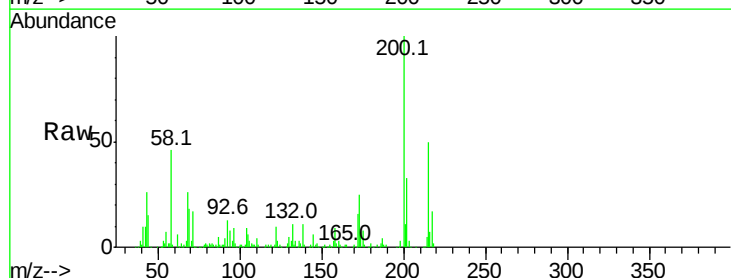


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

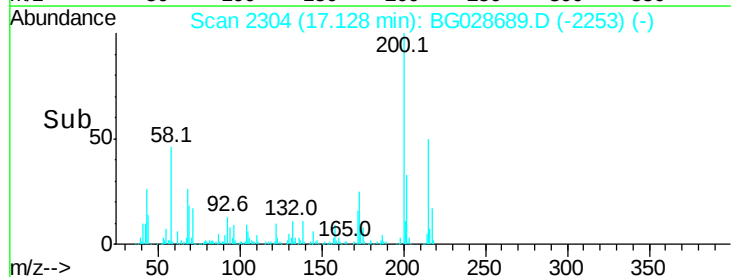
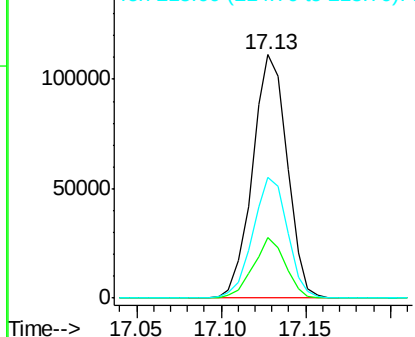


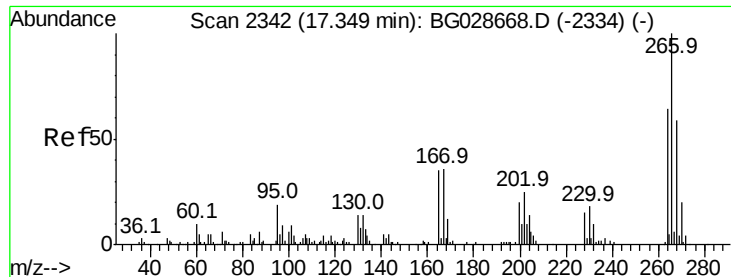
#68  
Atrazine  
Concen: 52.868 ng  
RT: 17.13 min Scan# 2304  
Delta R.T. 0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 24.8  | 3.0   | 43.0  |
| 215     | 49.7  | 28.4  | 68.4  |



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

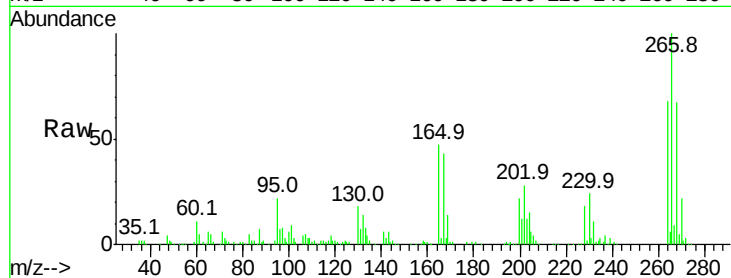




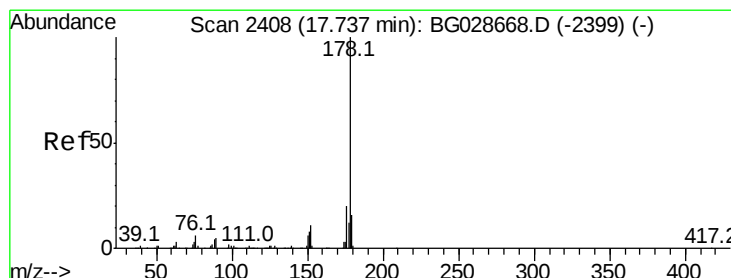
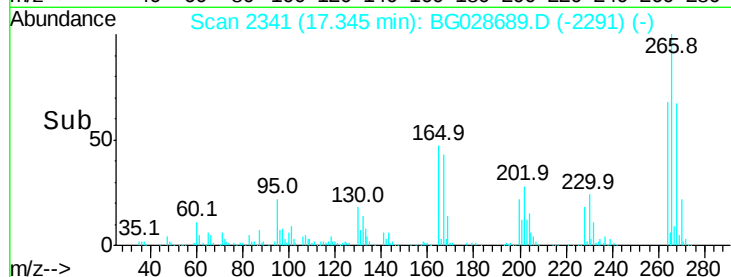
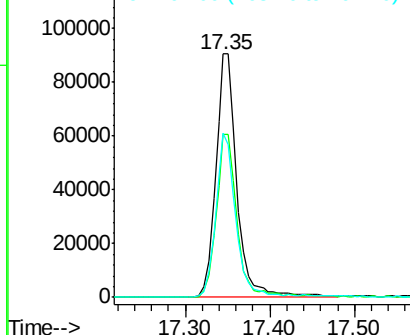
#69  
 Pentachlorophenol  
 Concen: 98.386 ng  
 RT: 17.35 min Scan# 2341  
 Delta R.T. -0.00 min  
 Lab File: BG028689.D  
 Acq: 13 Sep 2017 3:44

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 66.8  | 48.6  | 72.8  |
| 264     | 67.7  | 50.1  | 75.1  |

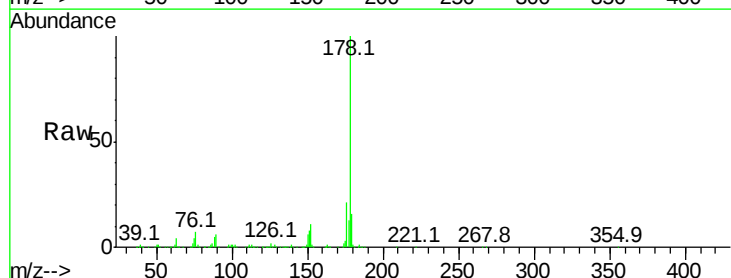


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

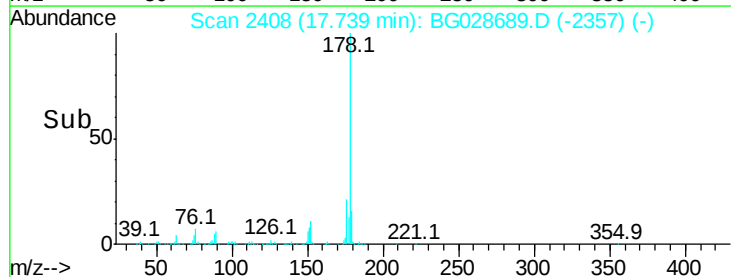
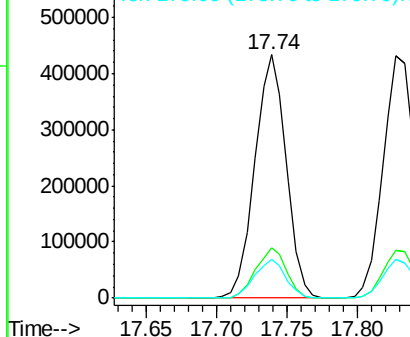


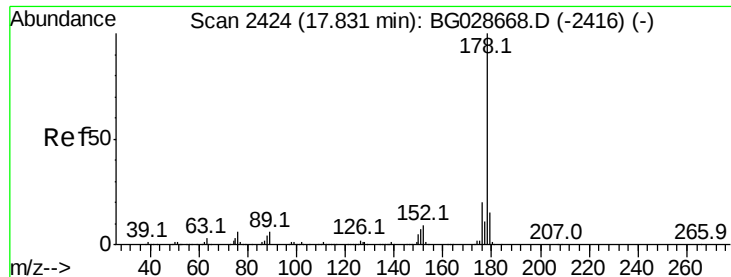
#70  
 Phenanthrene  
 Concen: 54.054 ng  
 RT: 17.74 min Scan# 2408  
 Delta R.T. 0.00 min  
 Lab File: BG028689.D  
 Acq: 13 Sep 2017 3:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.7  | 17.7  | 26.5  |
| 179     | 16.1  | 15.0  | 22.6  |



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

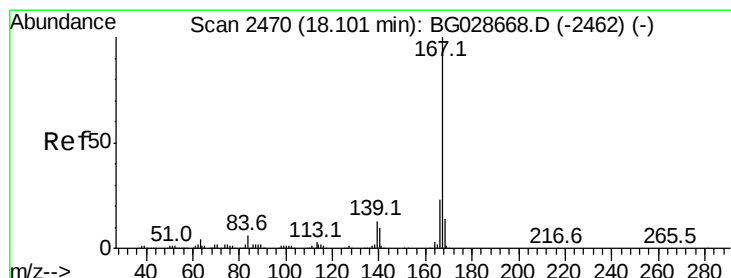
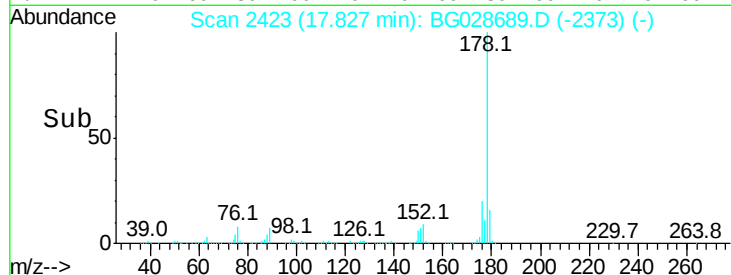
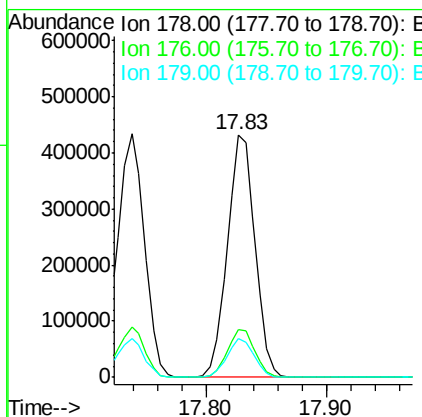
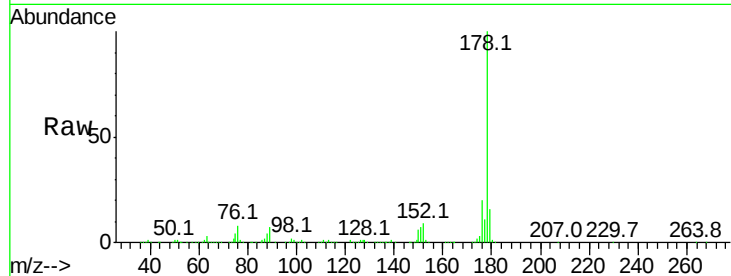




#71  
 Anthracene  
 Concen: 54.206 ng  
 RT: 17.83 min Scan# 2423  
 Delta R.T. -0.00 min  
 Lab File: BG028689.D  
 Acq: 13 Sep 2017 3:44

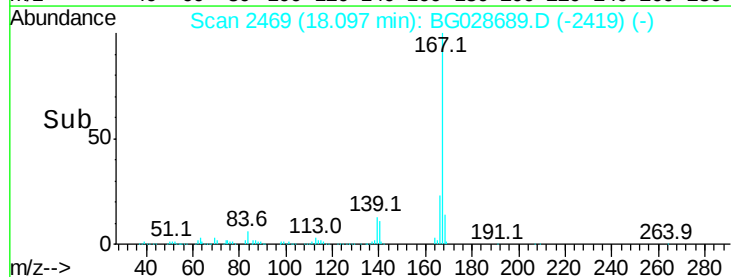
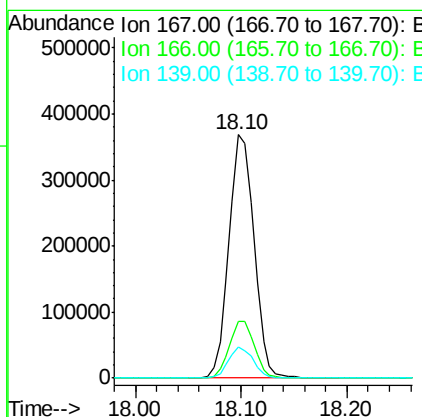
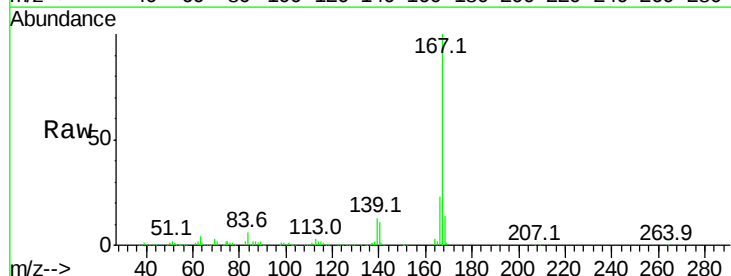
Instrument :  
 BNA\_G  
 ClientSampleId :

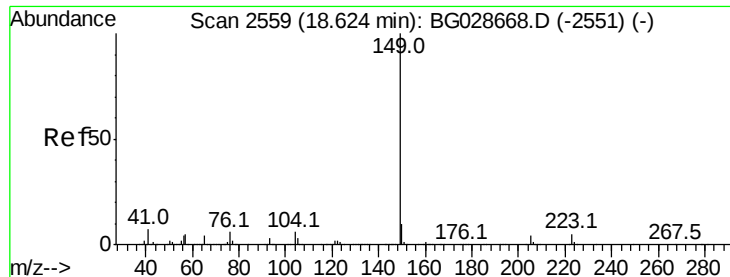
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.6  | 16.4  | 24.6  |
| 179     | 16.1  | 13.8  | 20.8  |



#72  
 Carbazole  
 Concen: 53.100 ng  
 RT: 18.10 min Scan# 2469  
 Delta R.T. -0.00 min  
 Lab File: BG028689.D  
 Acq: 13 Sep 2017 3:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 23.5  | 20.2  | 30.2  |
| 139     | 12.9  | 12.8  | 19.2  |





#73

Di-n-butylphthalate

Concen: 52.292 ng

RT: 18.62 min Scan# 2558

Delta R.T. -0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

Instrument :

BNA\_G

ClientSampleId :

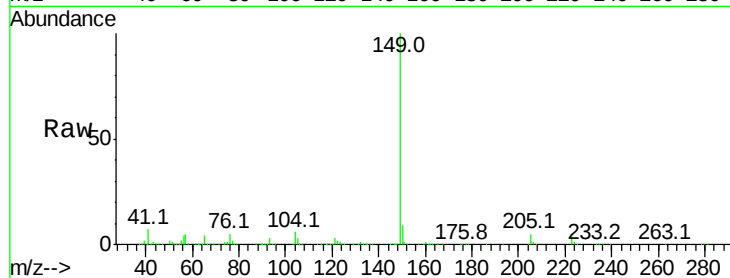
Tot Ion:149 Resp: 729642

Ion Ratio Lower Upper

149 100

150 9.3 9.1 13.7

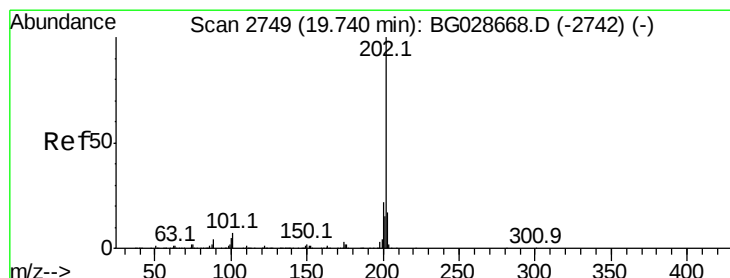
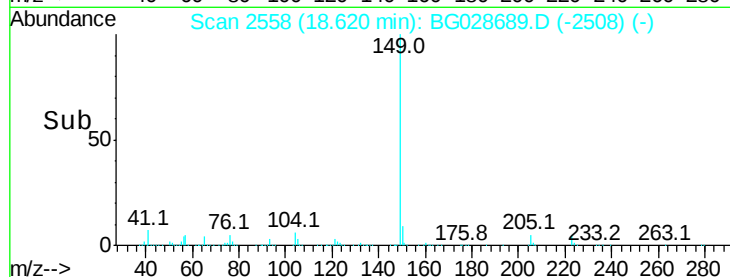
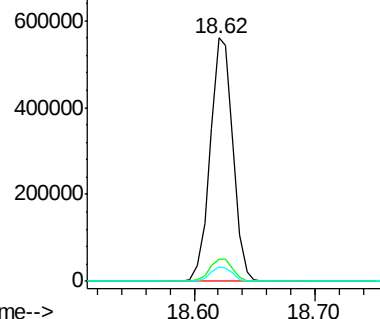
104 5.9 6.7 10.1#



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: 55.936 ng

RT: 19.74 min Scan# 2748

Delta R.T. -0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

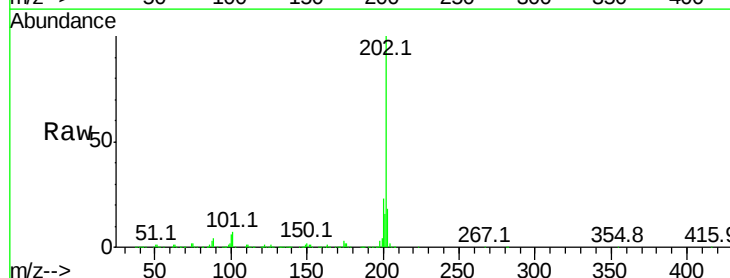
Tgt Ion:202 Resp: 854273

Ion Ratio Lower Upper

202 100

101 7.5 0.0 30.1

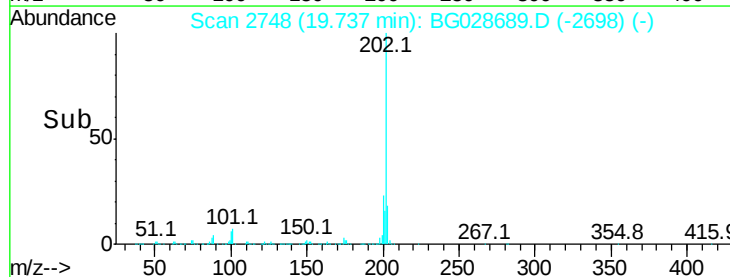
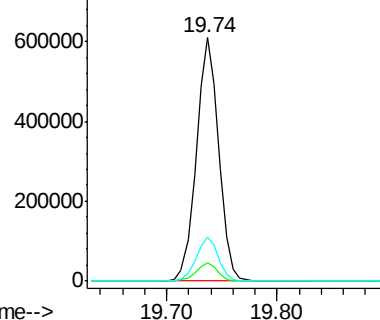
203 17.9 1.3 41.3

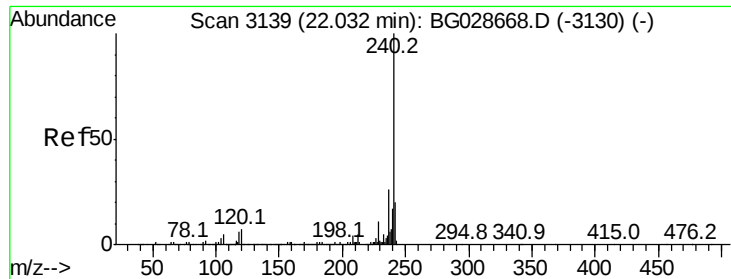


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.03 min Scan# 3138

Delta R.T. -0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

Instrument :

BNA\_G

ClientSampleId :

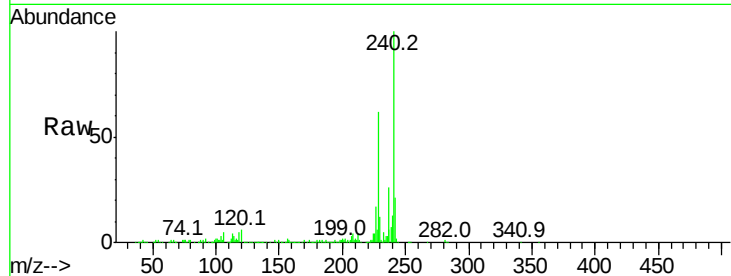
Tot Ion:240 Resp: 286031

Ion Ratio Lower Upper

240 100

120 5.7 5.7 8.5

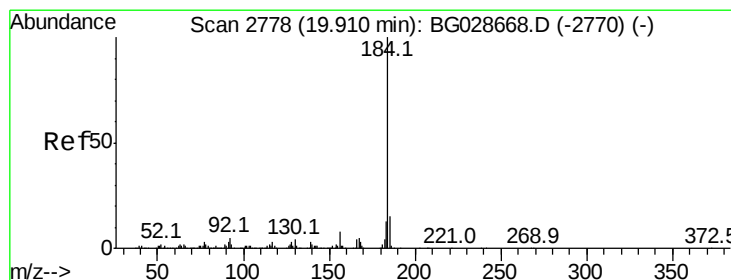
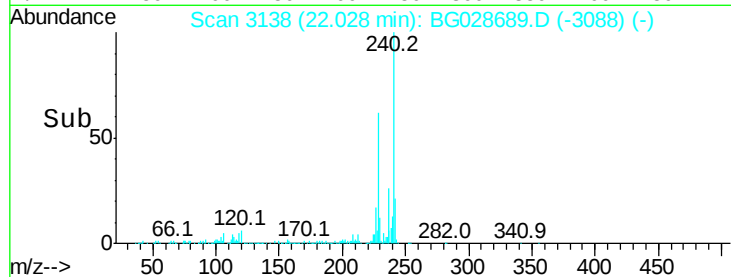
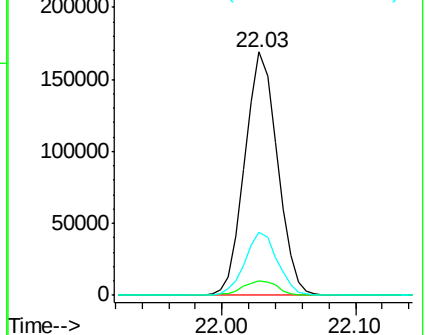
236 25.9 22.2 33.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 20.855 ng

RT: 19.91 min Scan# 2777

Delta R.T. -0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

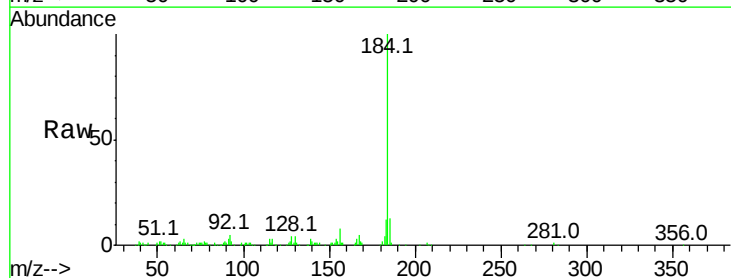
Tgt Ion:184 Resp: 154689

Ion Ratio Lower Upper

184 100

185 13.1 13.0 19.6

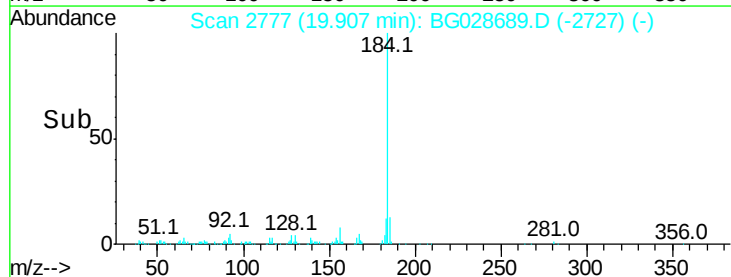
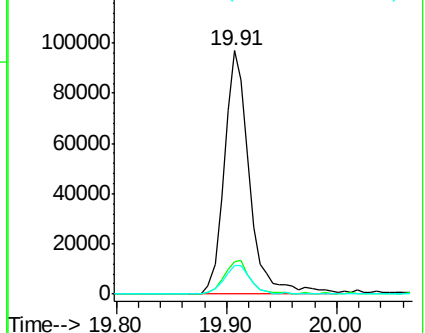
183 11.6 11.0 16.6

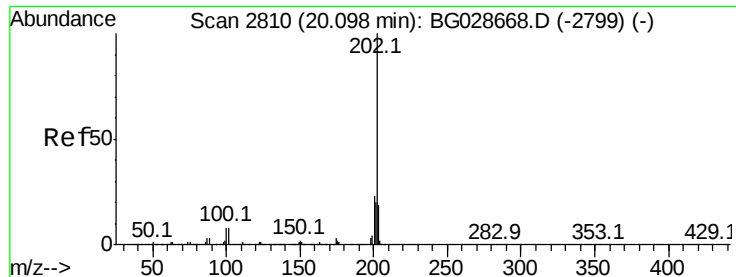


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 52.727 ng

RT: 20.10 min Scan# 2810

Delta R.T. 0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

Instrument :

BNA\_G

ClientSampleId :

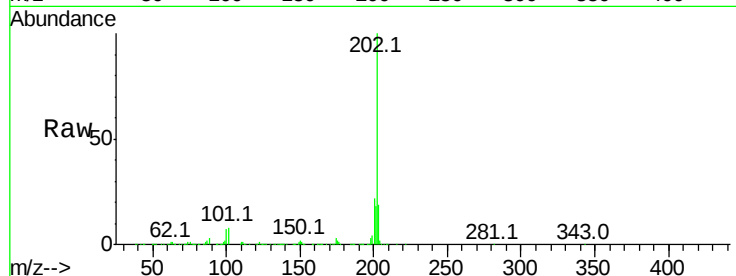
Tot Ion:202 Resp: 869903

Ion Ratio Lower Upper

202 100

200 21.7 19.6 29.4

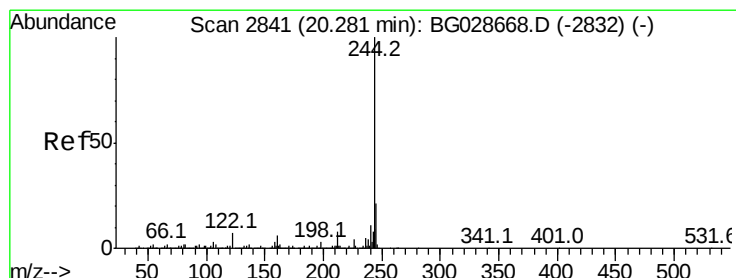
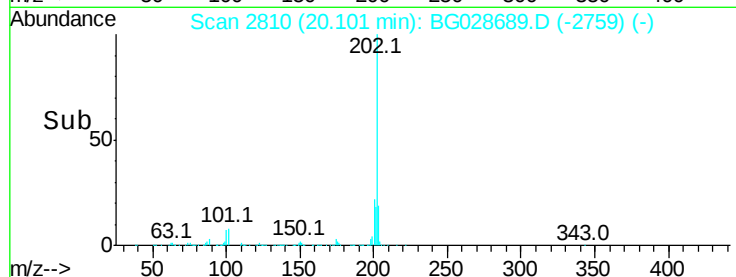
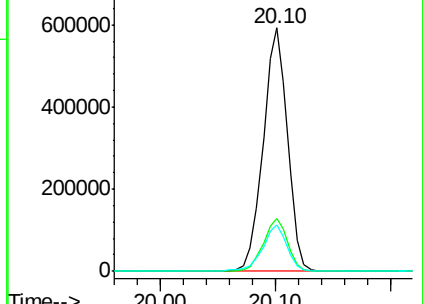
203 18.8 15.8 23.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 100.050 ng

RT: 20.28 min Scan# 2840

Delta R.T. -0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

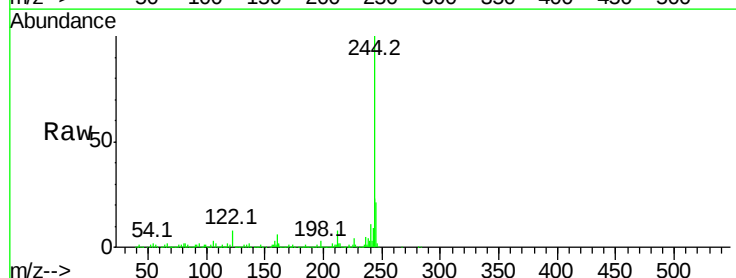
Tgt Ion:244 Resp: 1341929

Ion Ratio Lower Upper

244 100

212 8.4 10.0 15.0#

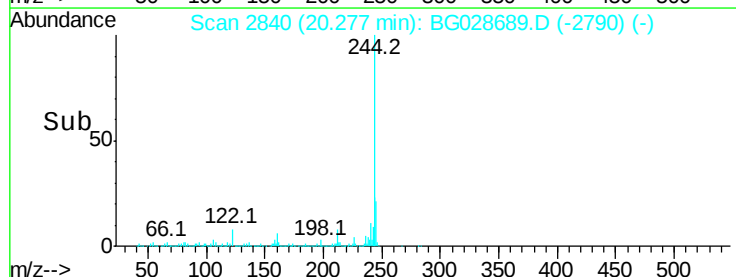
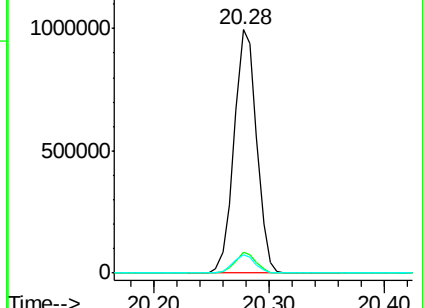
122 7.5 8.6 12.8#

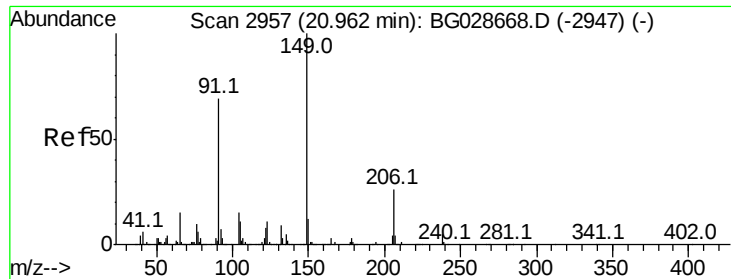


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

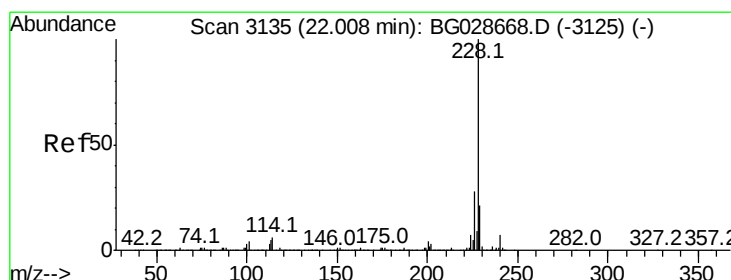
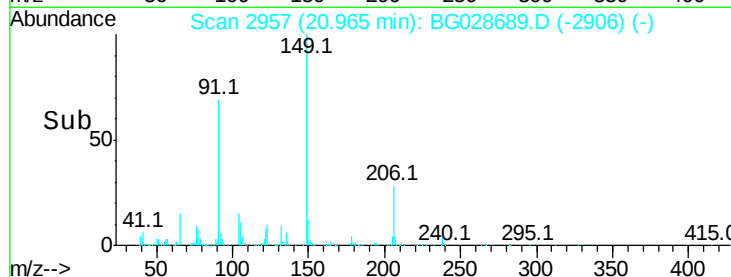
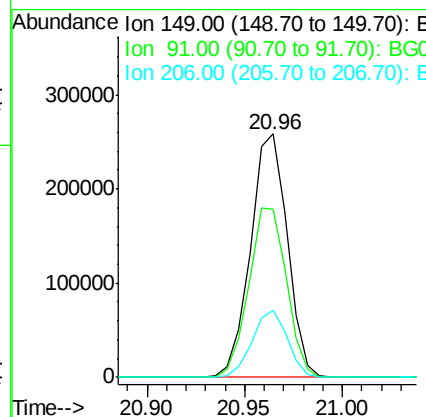
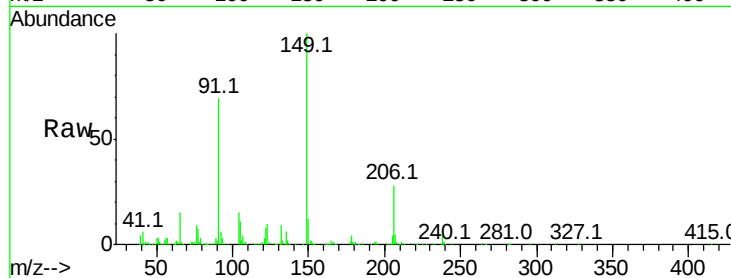




#79  
Butylbenzylphthalate  
Concen: 50.549 ng  
RT: 20.96 min Scan# 2957  
Delta R.T. 0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

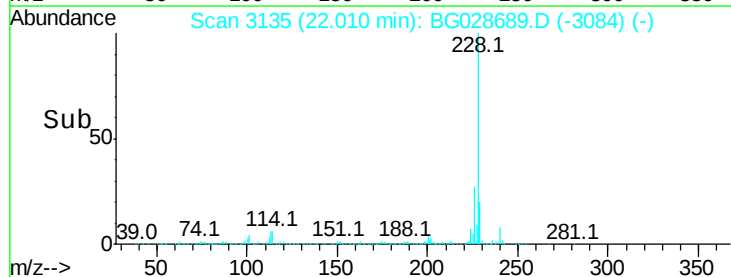
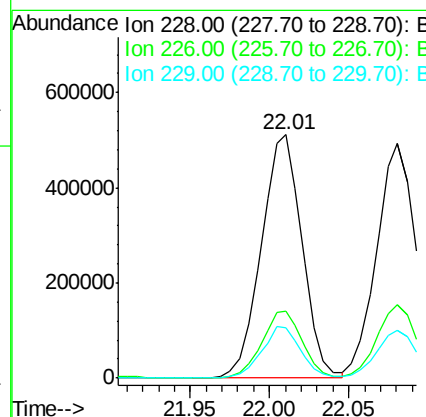
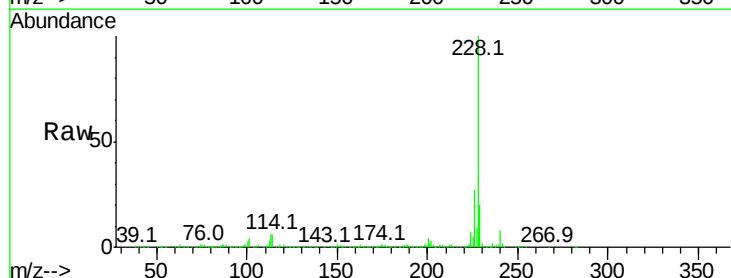
Instrument :  
BNA\_G  
ClientSampleId :

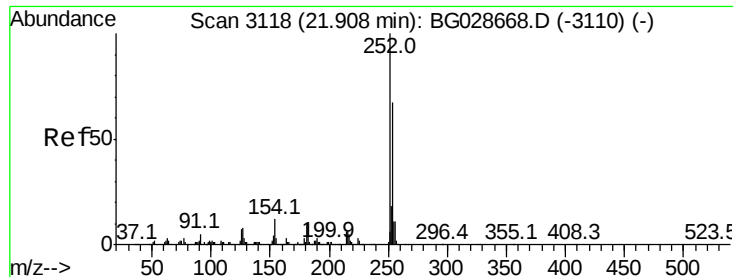
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 68.9  | 63.5  | 95.3  |
| 206     | 27.6  | 21.0  | 31.6  |



#80  
Benzo(a)anthracene  
Concen: 52.988 ng  
RT: 22.01 min Scan# 3135  
Delta R.T. 0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.4  | 24.9  | 37.3  |
| 229     | 20.5  | 18.2  | 27.2  |

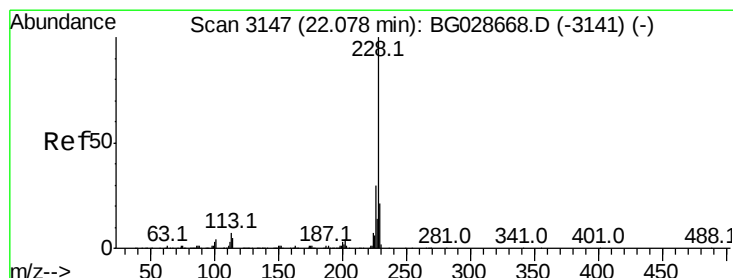
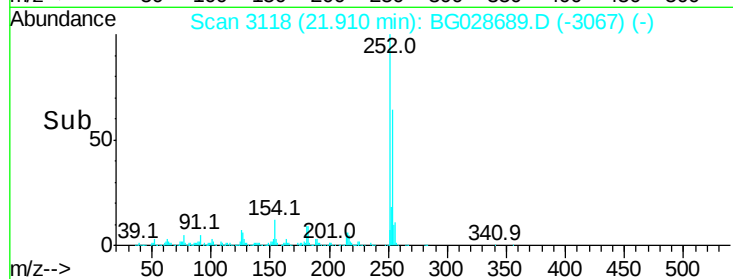
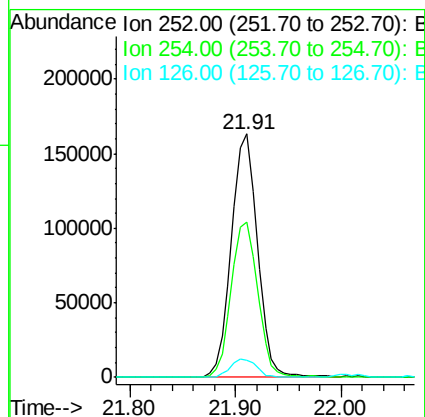
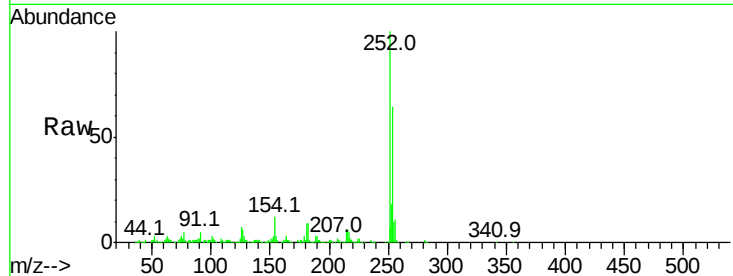




#81  
 3,3'-Dichlorobenzidine  
 Concen: 40.080 ng  
 RT: 21.91 min Scan# 3118  
 Delta R.T. 0.00 min  
 Lab File: BG028689.D  
 Acq: 13 Sep 2017 3:44

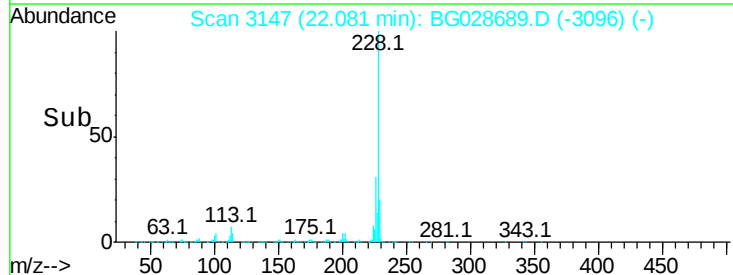
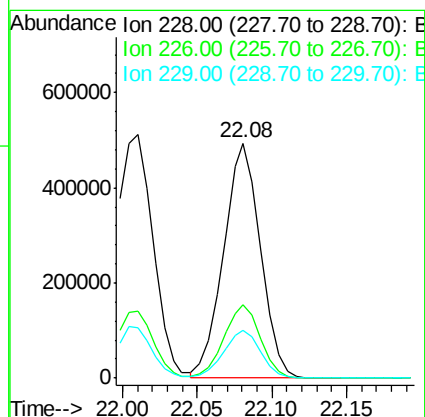
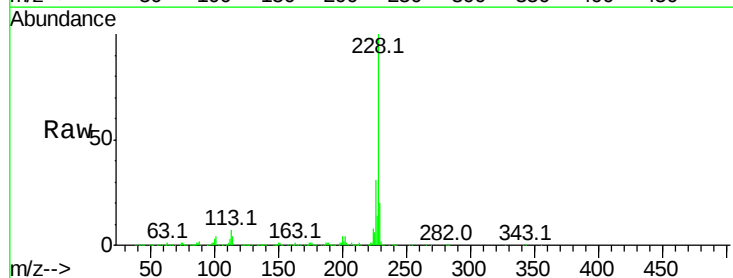
Instrument :  
 BNA\_G  
 ClientSampleId :

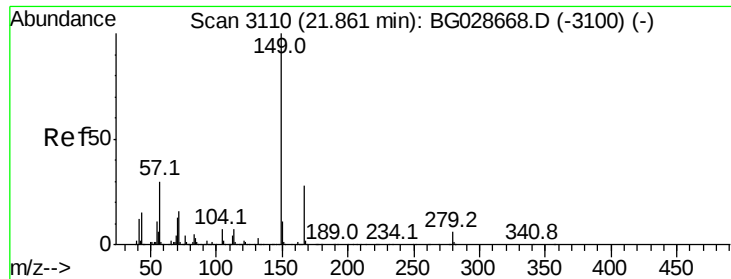
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 63.6  | 53.1  | 79.7  |
| 126     | 6.8   | 7.0   | 10.4  |



#82  
 Chrysene  
 Concen: 51.905 ng  
 RT: 22.08 min Scan# 3147  
 Delta R.T. 0.00 min  
 Lab File: BG028689.D  
 Acq: 13 Sep 2017 3:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.0  | 27.0  | 40.4  |
| 229     | 20.4  | 17.8  | 26.6  |

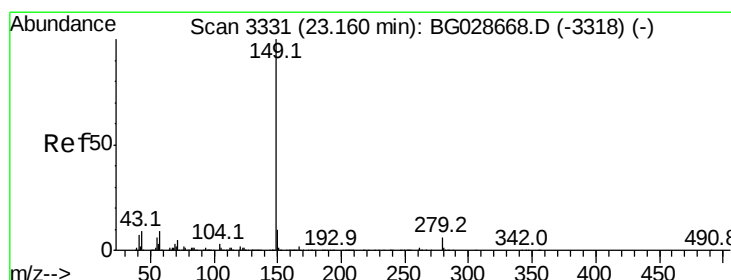
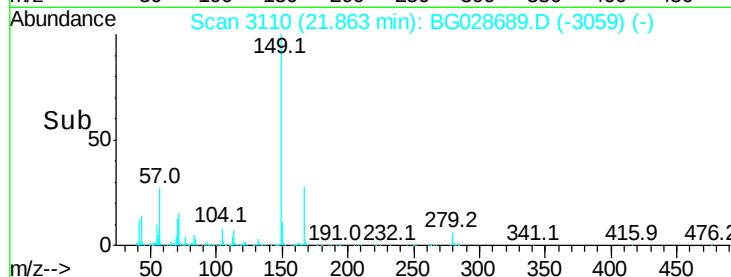
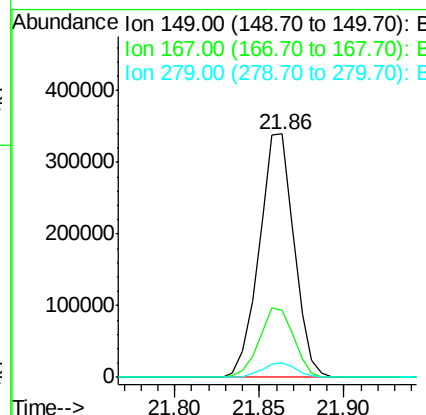
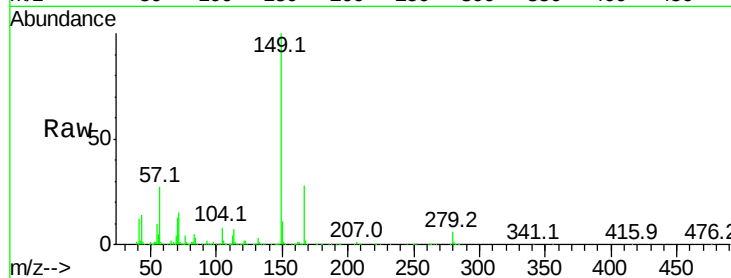




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 51.299 ng  
 RT: 21.86 min Scan# 3110  
 Delta R.T. 0.00 min  
 Lab File: BG028689.D  
 Acq: 13 Sep 2017 3:44

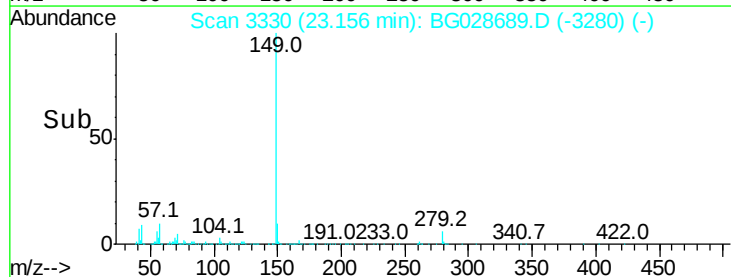
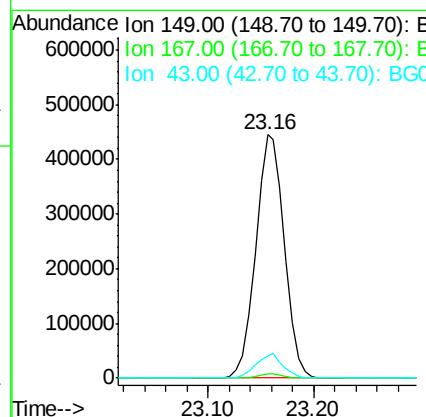
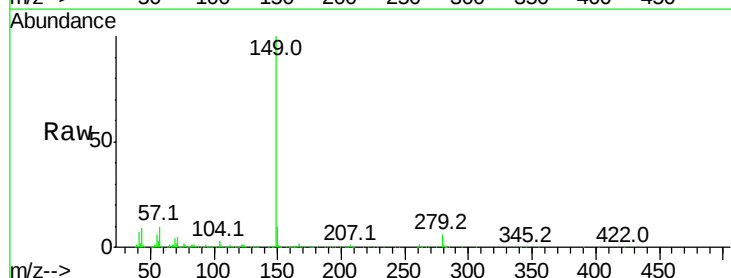
Instrument :  
 BNA\_G  
 ClientSampleId :

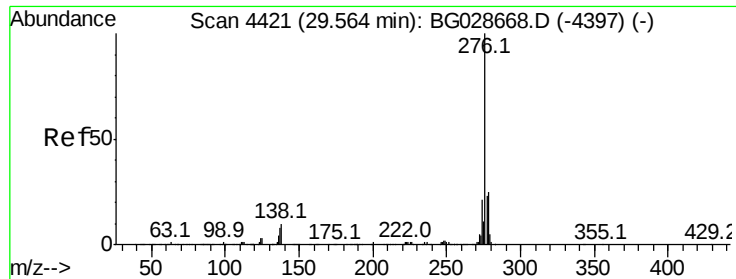
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.6  | 23.7  | 35.5  |
| 279     | 6.2   | 4.6   | 6.8   |



#84  
 Di-n-octyl phthalate  
 Concen: 50.349 ng  
 RT: 23.16 min Scan# 3330  
 Delta R.T. -0.00 min  
 Lab File: BG028689.D  
 Acq: 13 Sep 2017 3:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.7   | 1.4   | 2.2   |
| 43      | 9.4   | 11.8  | 17.6  |

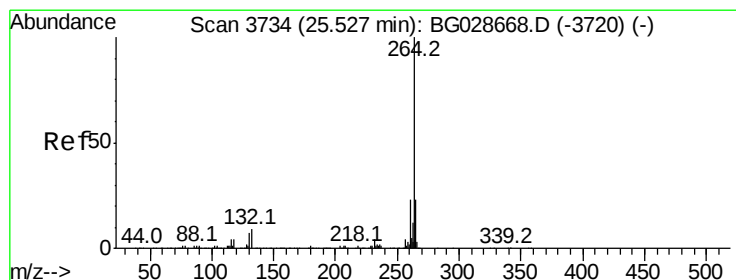
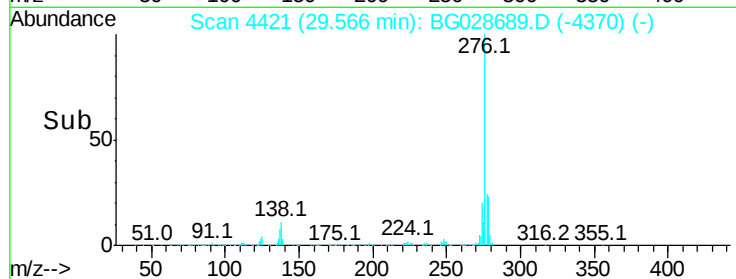
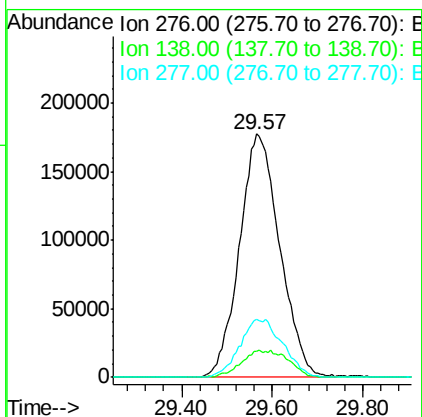
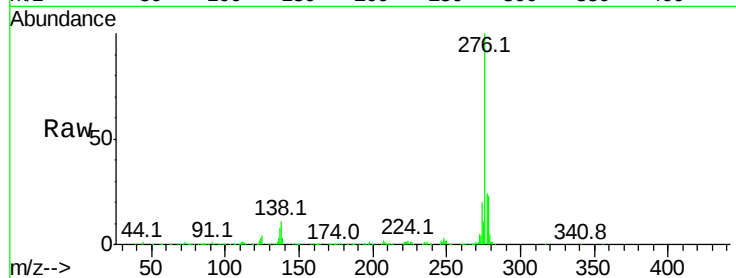




#85  
Indeno(1,2,3-cd)pyrene  
Concen: 52.160 ng  
RT: 29.57 min Scan# 4421  
Delta R.T. 0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

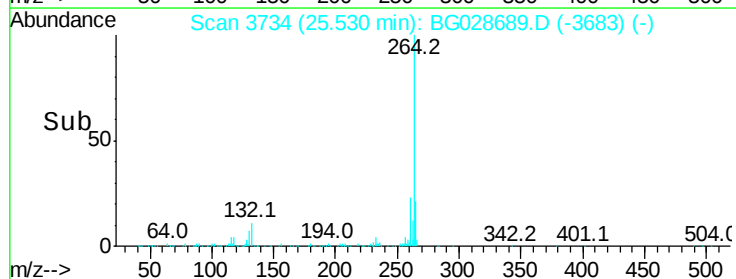
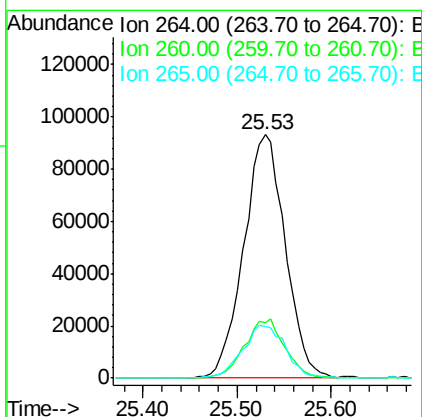
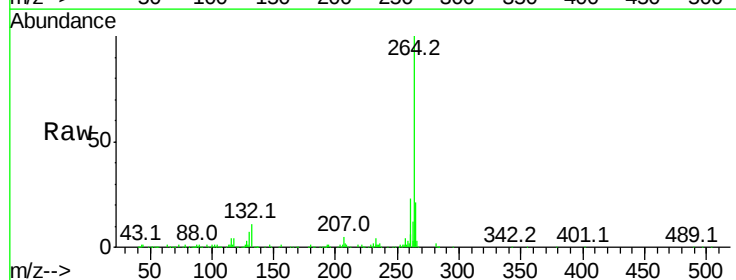
Instrument :  
BNA\_G  
ClientSampleId :

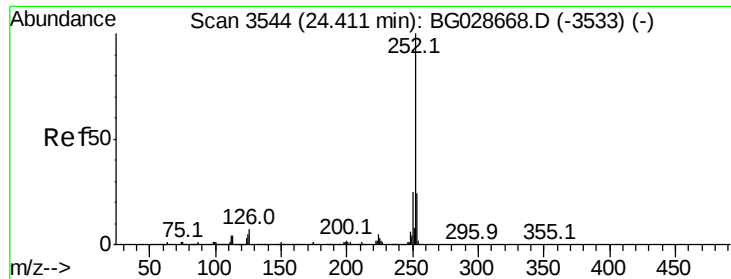
Tot Ion:276 Resp: 1094825  
Ion Ratio Lower Upper  
276 100  
138 7.3 4.7 7.1#  
277 25.5 20.6 31.0



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.53 min Scan# 3734  
Delta R.T. 0.00 min  
Lab File: BG028689.D  
Acq: 13 Sep 2017 3:44

Tgt Ion:264 Resp: 284989  
Ion Ratio Lower Upper  
264 100  
260 22.9 21.8 32.8  
265 21.4 18.2 27.4





#87

Benzo(b)fluoranthene

Concen: 54.411 ng

RT: 24.41 min Scan# 3544

Delta R.T. 0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

Instrument :

BNA\_G

ClientSampleId :

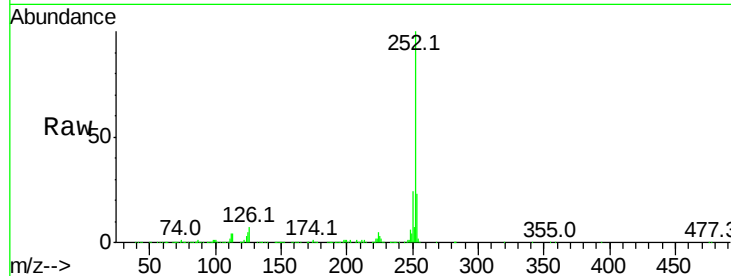
Tot Ion:252 Resp: 929037

Ion Ratio Lower Upper

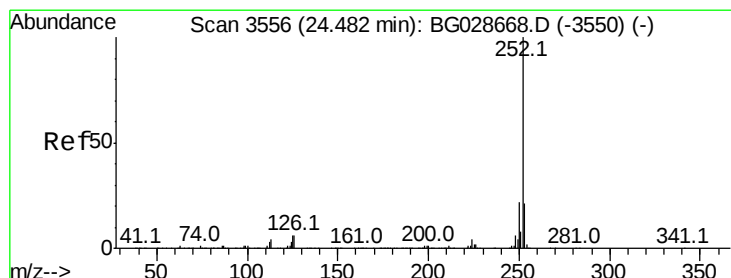
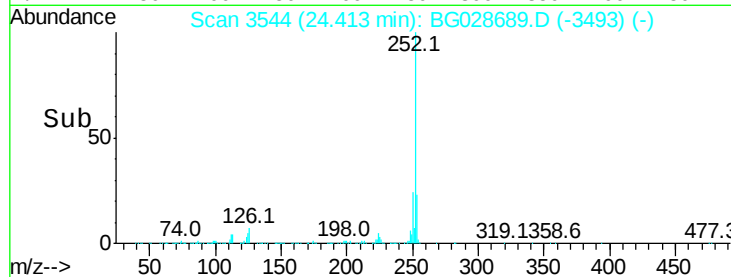
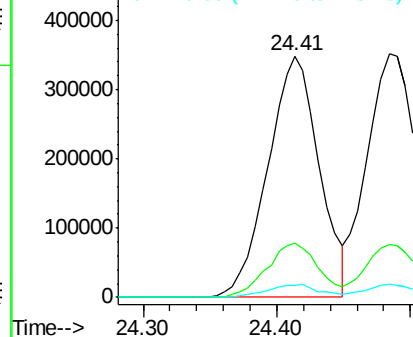
252 100

253 22.6 18.7 28.1

125 5.2 5.3 7.9#



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



#88

Benzo(k)fluoranthene

Concen: 53.269 ng

RT: 24.48 min Scan# 3556

Delta R.T. 0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

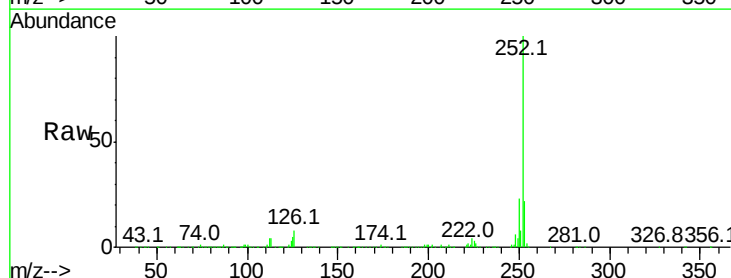
Tgt Ion:252 Resp: 908512

Ion Ratio Lower Upper

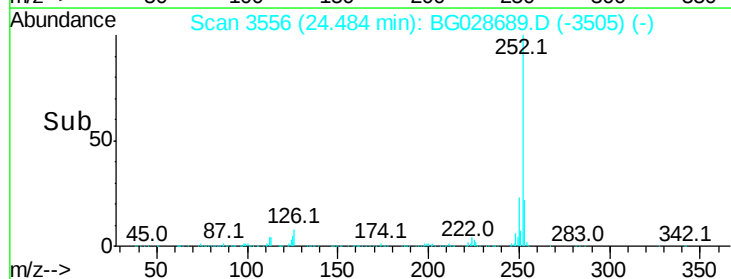
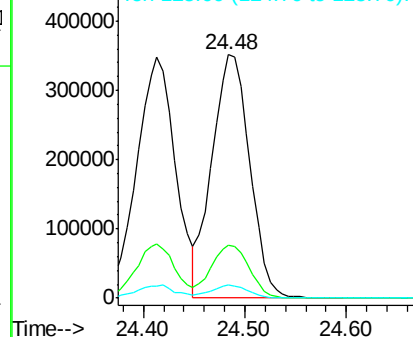
252 100

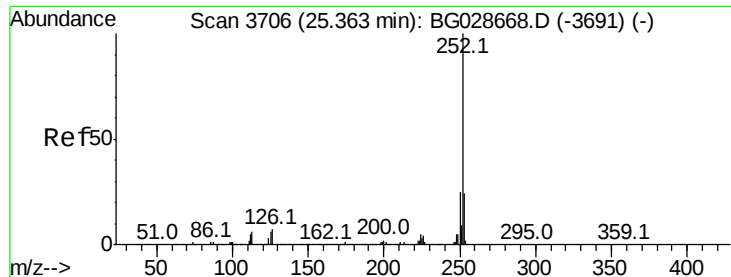
253 21.8 20.2 30.2

125 5.3 5.1 7.7



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





#89

Benzo(a)pyrene

Concen: 55.204 ng

RT: 25.37 min Scan# 3707

Delta R.T. 0.01 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

Instrument :

BNA\_G

ClientSampleId :

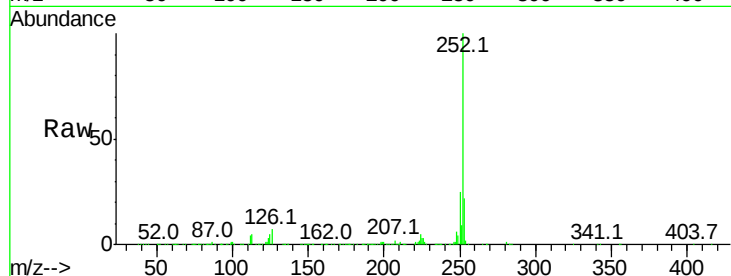
Tot Ion:252 Resp: 894679

Ion Ratio Lower Upper

252 100

253 22.1 19.2 28.8

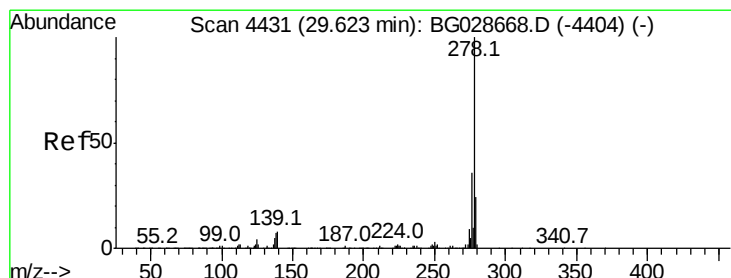
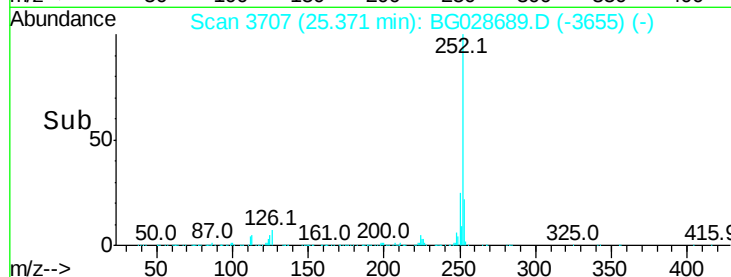
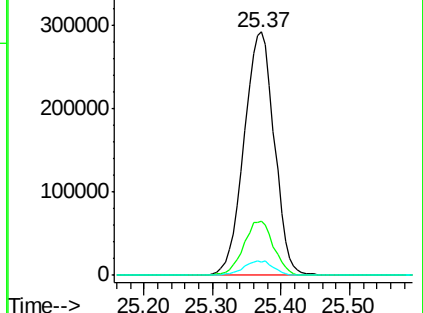
125 5.5 5.4 8.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 54.702 ng

RT: 29.62 min Scan# 4431

Delta R.T. 0.00 min

Lab File: BG028689.D

Acq: 13 Sep 2017 3:44

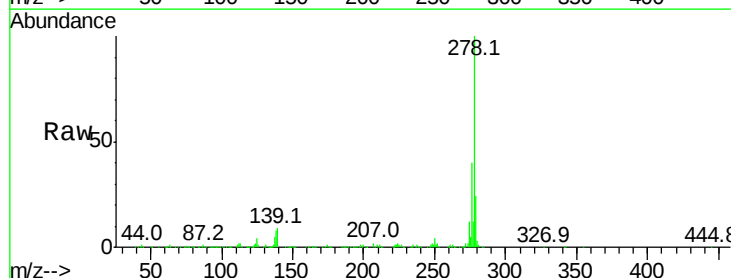
Tgt Ion:278 Resp: 924289

Ion Ratio Lower Upper

278 100

139 9.2 7.7 11.5

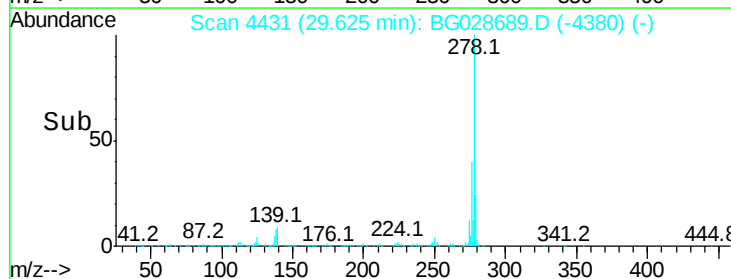
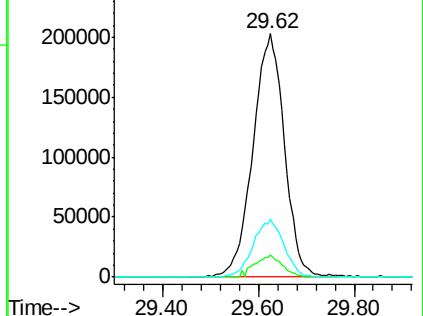
279 24.0 19.1 28.7

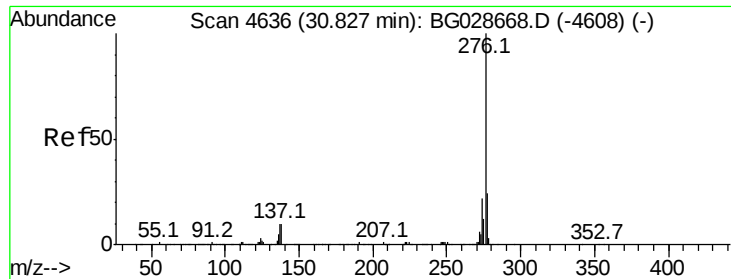


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

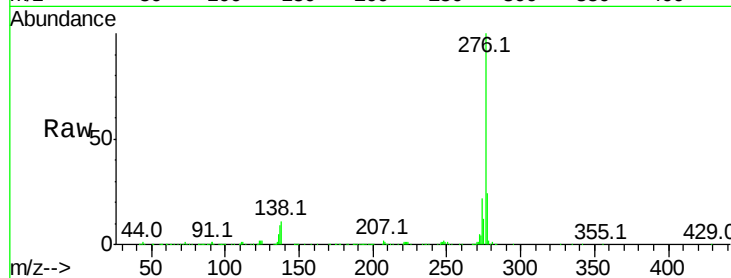




#91  
 Benzo(a,h,i)perylene  
 Concen: 54.106 ng  
 RT: 30.83 min Scan# 4636  
 Delta R.T. 0.00 min  
 Lab File: BG028689.D  
 Acq: 13 Sep 2017 3:44

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.8  | 18.6  | 27.8  |
| 138     | 10.8  | 8.1   | 12.1  |



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

