

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060517\  
 Data File : BG027229.D  
 Acq On : 6 Jun 2017 1:48  
 Operator : SJ/MA  
 Sample : I3407-03MSD  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S22-0025MSD

Quant Time: Jun 06 04:07:26 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 05 16:00:35 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.57  | 152  | 51040    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 11.39 | 136  | 244457   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.15 | 164  | 161963   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.90 | 188  | 362717   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 22.30 | 240  | 412935   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 26.01 | 264  | 390128   | 20.00 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 6.15  | 112  | 124753   | 37.30  | ng    | 0.00     |
| 7) Phenol-d6                | 7.70  | 99   | 121353   | 24.72  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.74  | 82   | 438250   | 112.75 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.64 | 330  | 190325   | 89.24  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.79 | 172  | 1122799  | 96.98  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.48 | 244  | 1561332  | 96.45  | ng    | -0.01    |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 4.16  | 88   | 20492    | 14.78 | ng    | # 76   |
| 3) Pyridine                    | 4.54  | 79   | 50776    | 11.88 | ng    | # 75   |
| 4) n-Nitrosodimethylamine      | 4.45  | 42   | 30368    | 19.18 | ng    | # 57   |
| 6) Aniline                     | 7.89  | 93   | 112221   | 18.15 | ng    | # 92   |
| 8) 2-Chlorophenol              | 8.13  | 128  | 84171    | 23.83 | ng    | # 88   |
| 9) Benzaldehyde                | 7.72  | 77   | 120609   | 35.53 | ng    | # 1    |
| 10) Phenol                     | 7.73  | 94   | 47472    | 9.45  | ng    | # 66   |
| 11) bis(2-Chloroethyl)ether    | 7.97  | 93   | 190020   | 46.13 | ng    | # 87   |
| 12) 1,3-Dichlorobenzene        | 8.46  | 146  | 176320   | 44.26 | ng    | # 91   |
| 13) 1,4-Dichlorobenzene        | 8.60  | 146  | 183660   | 44.92 | ng    | # 97   |
| 14) 1,2-Dichlorobenzene        | 8.93  | 146  | 181875   | 45.61 | ng    | # 92   |
| 15) Benzyl Alcohol             | 8.80  | 79   | 107580   | 31.10 | ng    | # 81   |
| 16) 2,2'-oxybis(1-Chloropropan | 9.08  | 45   | 264466   | 44.87 | ng    | # 89   |
| 17) 2-Methylphenol             | 8.98  | 107  | 89042    | 25.09 | ng    | # 87   |
| 18) Hexachloroethane           | 9.67  | 117  | 100104   | 72.69 | ng    | # 23   |
| 19) n-Nitroso-di-n-propylamine | 9.36  | 70   | 165742   | 48.25 | ng    | # 85   |
| 20) 3+4-Methylphenols          | 9.31  | 107  | 100649   | 20.47 | ng    | # 87   |
| 22) Acetophenone               | 9.38  | 105  | 415884   | 66.52 | ng    | # 81   |
| 24) Nitrobenzene               | 9.78  | 77   | 233995   | 52.84 | ng    | # 86   |
| 25) Isophorone                 | 10.30 | 82   | 452564   | 49.51 | ng    | # 96   |
| 26) 2-Nitrophenol              | 10.49 | 139  | 51809    | 31.32 | ng    | # 76   |
| 27) 2,4-Dimethylphenol         | 10.52 | 122  | 173880   | 44.25 | ng    | # 91   |
| 28) bis(2-Chloroethoxy)methane | 10.77 | 93   | 293698   | 49.63 | ng    | # 99   |
| 29) 2,4-Dichlorophenol         | 11.02 | 162  | 103953   | 28.98 | ng    | # 96   |
| 30) 1,2,4-Trichlorobenzene     | 11.25 | 180  | 191828   | 48.29 | ng    | # 98   |
| 31) Naphthalene                | 11.45 | 128  | 1304190  | 97.62 | ng    | # 99   |
| 32) Benzoic acid               | 10.59 | 122  | 17464    | 13.37 | ng    | # 92   |
| 33) 4-Chloroaniline            | 11.53 | 127  | 107172   | 19.25 | ng    | # 87   |
| 34) Hexachlorobutadiene        | 11.72 | 225  | 112910   | 46.25 | ng    | # 98   |
| 35) Caprolactam                | 12.36 | 113  | 10354    | 8.41  | ng    | # 91   |
| 36) 4-Chloro-3-methylphenol    | 12.61 | 107  | 145234   | 32.30 | ng    | # 89   |
| 37) 2-Methylnaphthalene        | 13.23 | 142  | 592240   | 60.77 | ng    | # 92   |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.36 | 216  | 235539   | 46.68 | ng    | # 98   |
| 40) Hexachlorocyclopentadiene  | 13.34 | 237  | 228844   | 85.21 | ng    | # 97   |

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 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

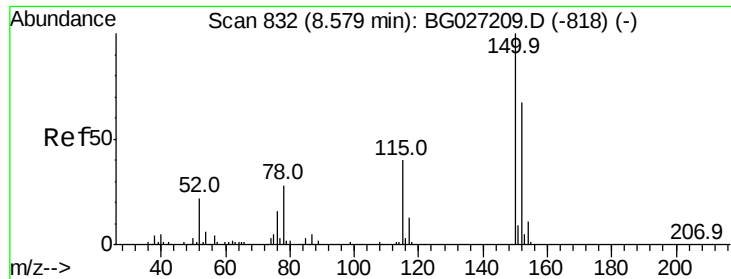
Instrument :  
 BNA\_G  
 ClientSampleId :  
 S22-0025MSD

Quant Time: Jun 06 04:07:26 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 05 16:00:35 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.59 | 196  | 90836    | 29.68 | nq    | 97       |
| 43) 2,4,5-Trichlorophenol      | 13.66 | 196  | 98376    | 28.73 | nq    | 95       |
| 45) 1,1'-Biphenyl              | 13.99 | 154  | 656626   | 49.67 | nq    | 97       |
| 46) 2-Chloronaphthalene        | 14.04 | 162  | 485223   | 48.96 | nq    | 100      |
| 47) 2-Nitroaniline             | 14.23 | 65   | 158966   | 55.20 | nq    | # 78     |
| 48) Acenaphthylene             | 14.88 | 152  | 778818   | 46.43 | nq    | 98       |
| 49) Dimethylphthalate          | 14.60 | 163  | 751762   | 58.51 | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 14.72 | 165  | 141922   | 53.63 | nq    | # 71     |
| 51) Acenaphthene               | 15.22 | 154  | 538002   | 49.31 | nq    | 99       |
| 52) 3-Nitroaniline             | 15.05 | 138  | 62312    | 25.76 | nq    | 89       |
| 53) 2,4-Dinitrophenol          | 15.25 | 184  | 74661    | 65.04 | nq    | # 89     |
| 54) Dibenzofuran               | 15.55 | 168  | 791845   | 51.93 | nq    | 92       |
| 55) 4-Nitrophenol              | 15.33 | 139  | 47109    | 24.05 | nq    | # 56     |
| 56) 2,4-Dinitrotoluene         | 15.50 | 165  | 191112   | 55.89 | nq    | # 84     |
| 57) Fluorene                   | 16.20 | 166  | 644382   | 47.58 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.68 | 232  | 91593    | 29.96 | nq    | 92       |
| 59) Diethylphthalate           | 15.95 | 149  | 670398   | 52.31 | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 16.18 | 204  | 332360   | 48.72 | nq    | 95       |
| 61) 4-Nitroaniline             | 16.21 | 138  | 135348   | 48.75 | nq    | # 65     |
| 62) Azobenzene                 | 16.48 | 77   | 647119   | 54.48 | nq    | 89       |
| 64) 4,6-Dinitro-2-methylphenol | 16.26 | 198  | 54443    | 37.16 | nq    | 86       |
| 65) n-Nitrosodiphenylamine     | 16.39 | 169  | 580738   | 51.07 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 17.08 | 248  | 220908   | 51.46 | nq    | 98       |
| 67) Hexachlorobenzene          | 17.20 | 284  | 234632   | 50.81 | nq    | 92       |
| 68) Atrazine                   | 17.34 | 200  | 204908   | 53.89 | nq    | 97       |
| 69) Pentachlorophenol          | 17.55 | 266  | 158980   | 58.74 | nq    | 98       |
| 70) Phenanthrene               | 17.95 | 178  | 1015470  | 49.76 | nq    | 96       |
| 71) Anthracene                 | 18.04 | 178  | 1038067  | 50.77 | nq    | 99       |
| 72) Carbazole                  | 18.30 | 167  | 913678   | 47.38 | nq    | 96       |
| 73) Di-n-butylphthalate        | 18.84 | 149  | 1105462  | 59.12 | nq    | # 94     |
| 74) Fluoranthene               | 19.94 | 202  | 1157357  | 53.09 | nq    | 95       |
| 76) Benzidine                  | 20.11 | 184  | 131581   | 10.58 | nq    | 97       |
| 77) Pyrene                     | 20.30 | 202  | 1179733  | 47.28 | nq    | 98       |
| 79) Butylbenzylphthalate       | 21.19 | 149  | 503861   | 57.15 | nq    | 90       |
| 80) Benzo(a)anthracene         | 22.28 | 228  | 1193748  | 50.69 | nq    | 96       |
| 81) 3,3'-Dichlorobenzidine     | 22.17 | 252  | 227981   | 24.89 | nq    | 97       |
| 82) Chrysene                   | 22.35 | 228  | 1088288  | 48.14 | nq    | 96       |
| 83) Bis(2-ethylhexyl)phthalate | 22.15 | 149  | 731281   | 54.89 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 23.54 | 149  | 1241274  | 56.25 | nq    | # 88     |
| 85) Indeno(1,2,3-cd)pyrene     | 30.28 | 276  | 1432764  | 52.33 | nq    | # 93     |
| 87) Benzo(b)fluoranthene       | 24.82 | 252  | 1231251  | 50.89 | nq    | # 96     |
| 88) Benzo(k)fluoranthene       | 24.90 | 252  | 1183205  | 49.85 | nq    | # 94     |
| 89) Benzo(a)pyrene             | 25.83 | 252  | 1172027  | 51.46 | nq    | # 95     |
| 90) Dibenzo(a,h)anthracene     | 30.37 | 278  | 1226634  | 51.45 | nq    | # 95     |
| 91) Benzo(g,h,i)perylene       | 31.63 | 276  | 1168710  | 50.61 | nq    | # 91     |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.57 min Scan# 830

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

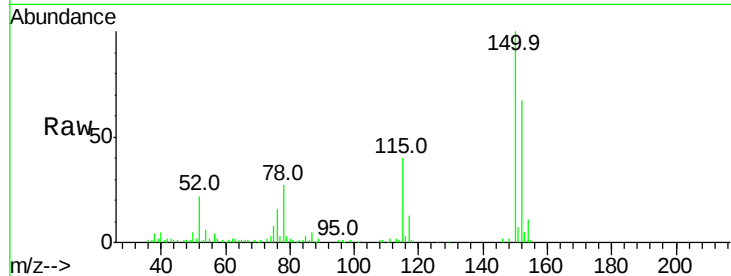
Tot Ion:152 Resp: 51040

Ion Ratio Lower Upper

152 100

150 149.6 114.0 171.0

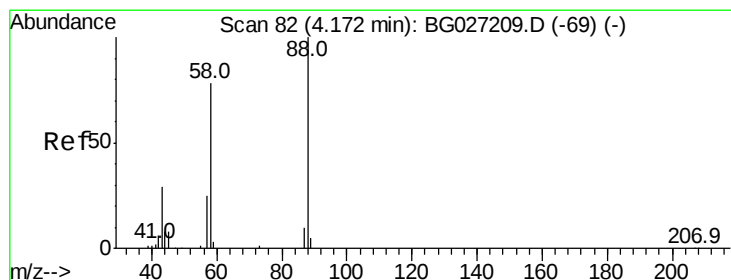
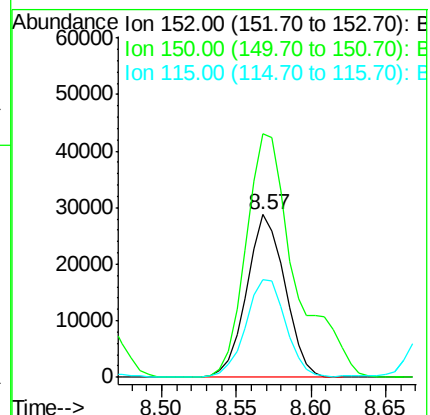
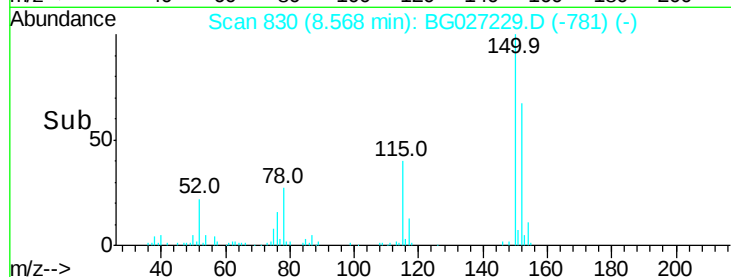
115 60.2 48.1 72.1



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: 14.78 ng

RT: 4.16 min Scan# 80

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

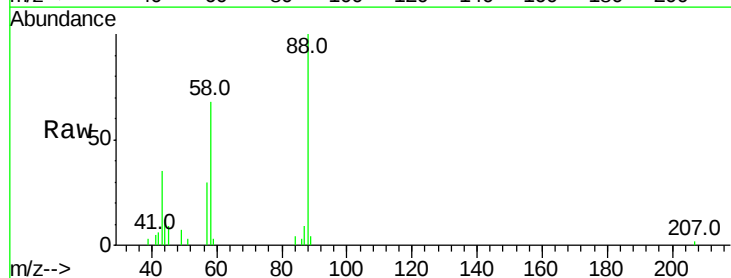
Tgt Ion: 88 Resp: 20492

Ion Ratio Lower Upper

88 100

58 74.7 79.4 119.2#

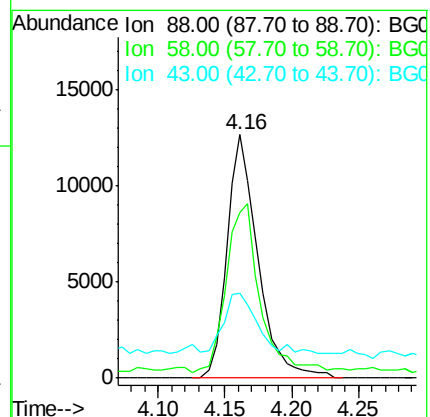
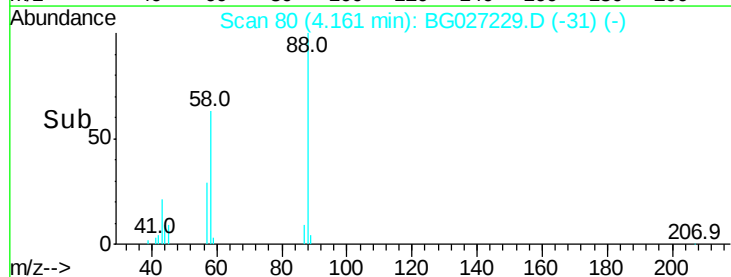
43 27.2 33.8 50.6#



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: 11.88 ng

RT: 4.54 min Scan# 145

Delta R.T. -0.02 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

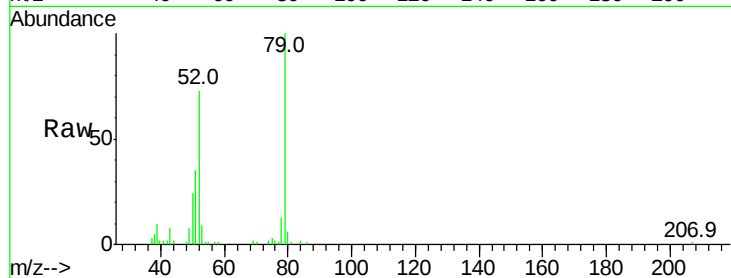
Tot Ion: 79 Resp: 50776

Ion Ratio Lower Upper

79 100

52 73.1 77.8 116.6#

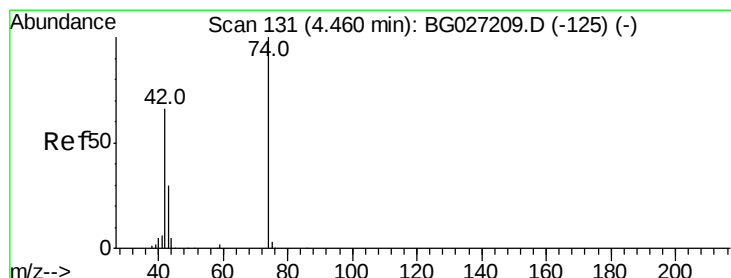
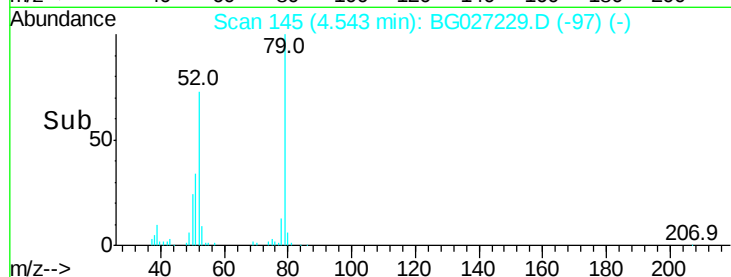
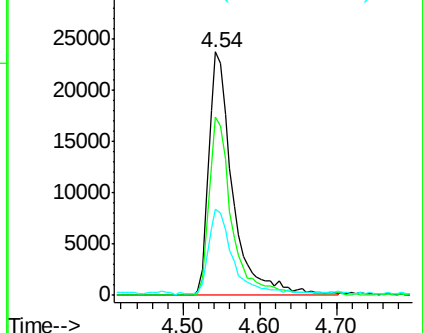
51 35.3 43.2 64.8#



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: 19.18 ng

RT: 4.45 min Scan# 129

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

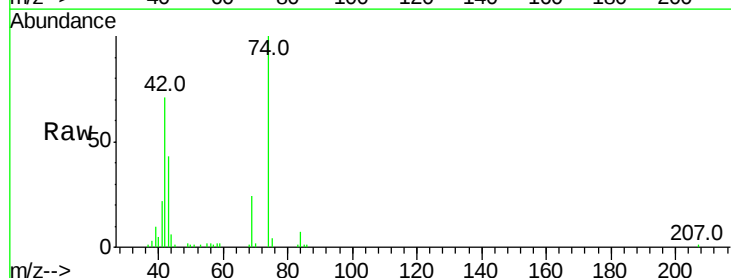
Tgt Ion: 42 Resp: 30368

Ion Ratio Lower Upper

42 100

74 140.8 76.7 115.1#

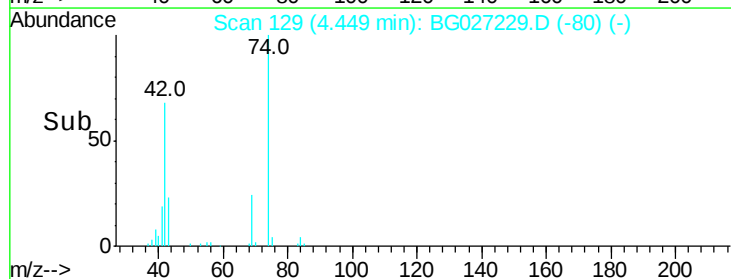
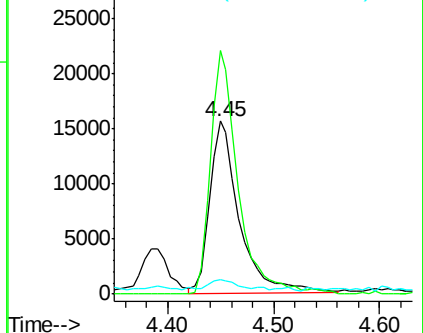
44 8.2 6.1 9.1

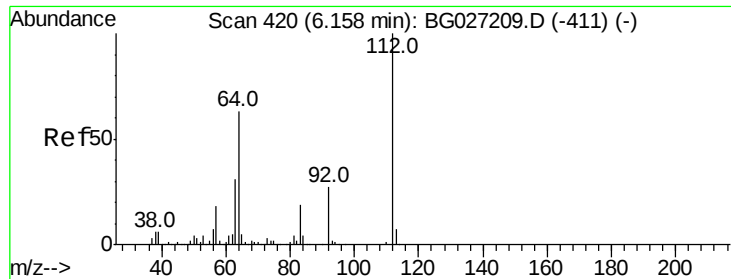


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 37.30 ng

RT: 6.15 min Scan# 419

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

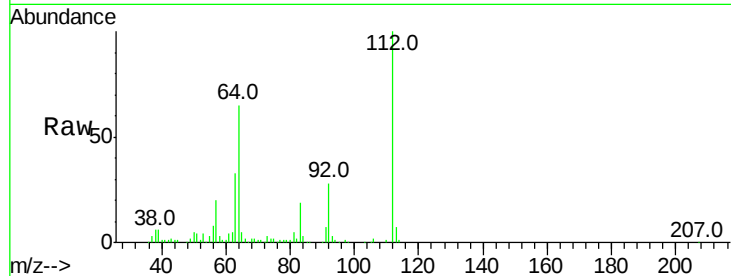
Tot Ion:112 Resp: 124753

Ion Ratio Lower Upper

112 100

64 65.2 61.8 92.6

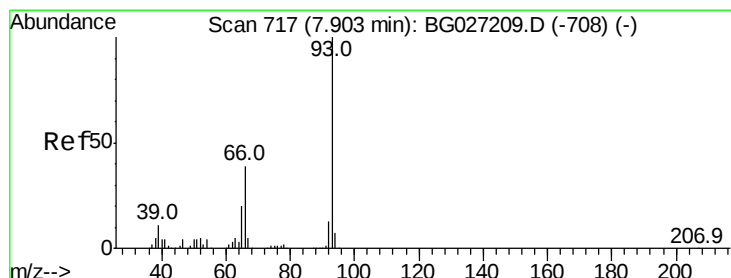
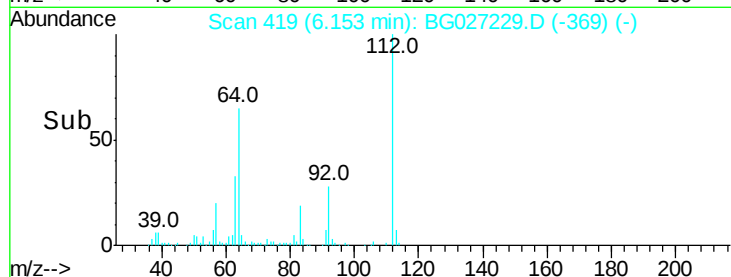
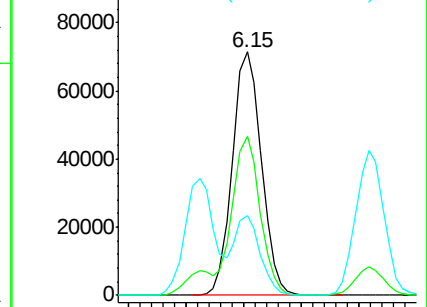
63 32.6 37.2 55.8#



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: 18.15 ng

RT: 7.89 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

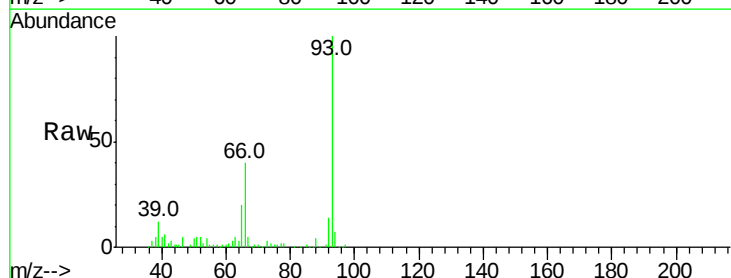
Tgt Ion: 93 Resp: 112221

Ion Ratio Lower Upper

93 100

66 40.3 35.4 53.2

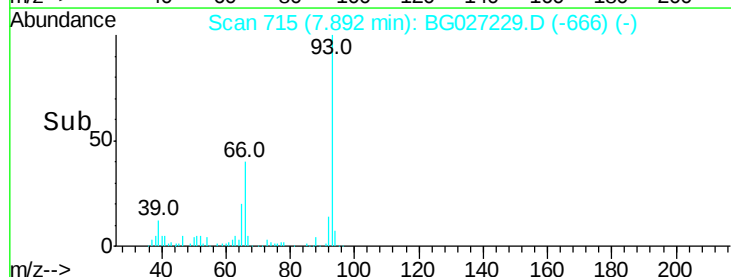
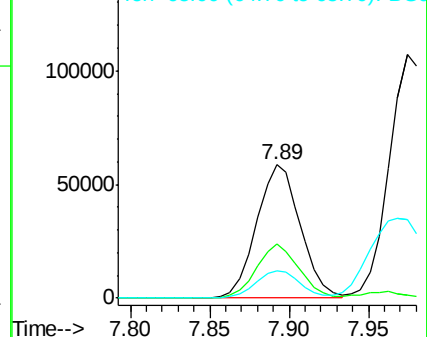
65 20.4 21.2 31.8#

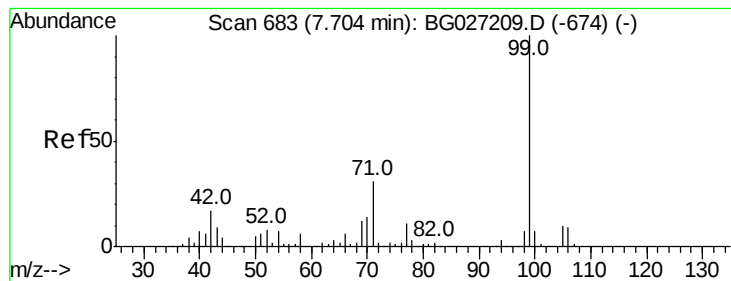


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 24.72 ng

RT: 7.70 min Scan# 682

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

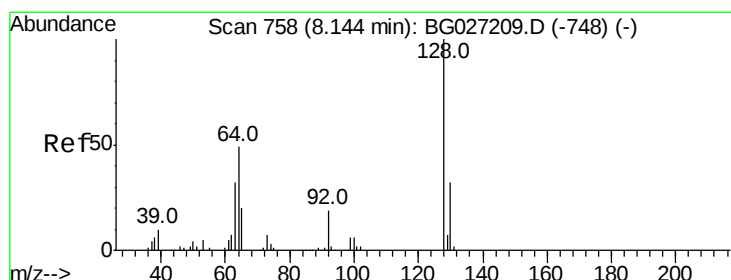
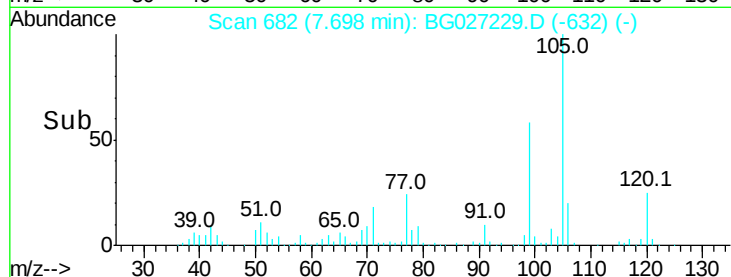
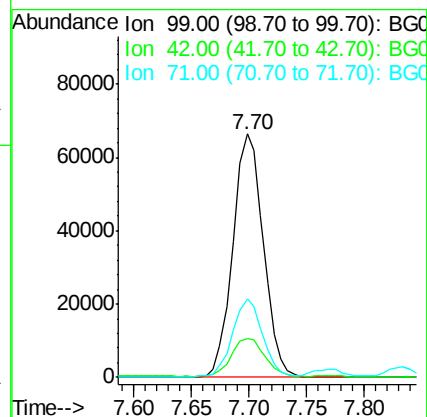
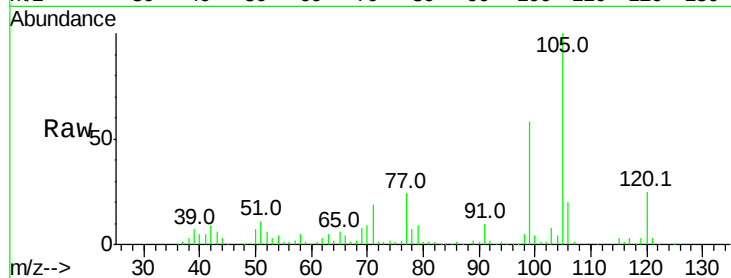
Tot Ion: 99 Resp: 121353

Ion Ratio Lower Upper

99 100

42 16.2 20.5 30.7#

71 32.0 37.6 56.4#



#8

2-Chlorophenol

Concen: 23.83 ng

RT: 8.13 min Scan# 756

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

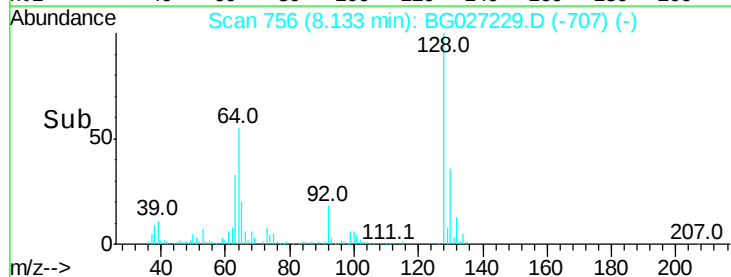
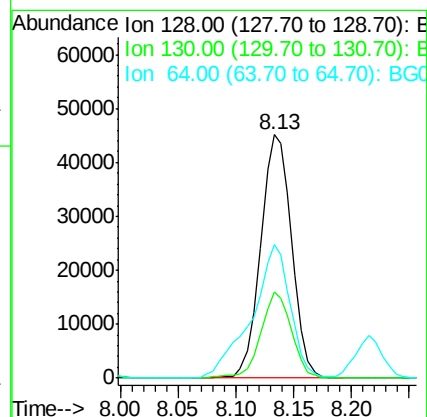
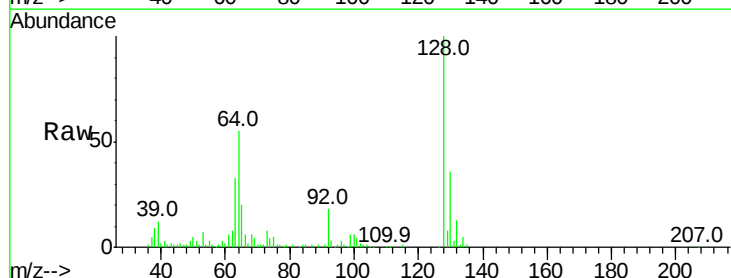
Tgt Ion: 128 Resp: 84171

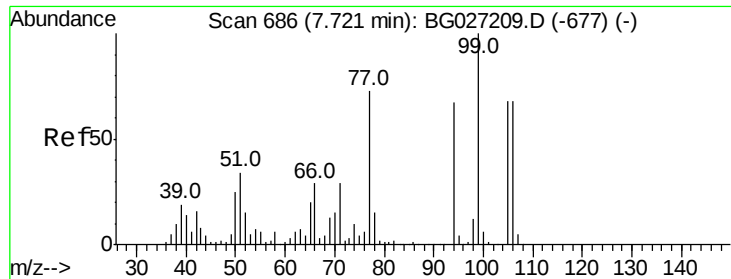
Ion Ratio Lower Upper

128 100

130 35.6 11.4 51.4

64 54.9 46.6 86.6





#9

Benzaldehyde

Concen: 35.53 ng

RT: 7.72 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

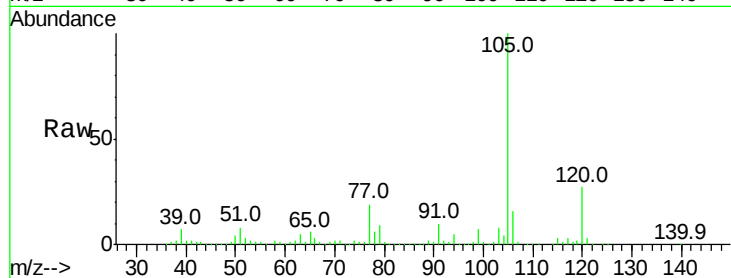
Tot Ion: 77 Resp: 120609

Ion Ratio Lower Upper

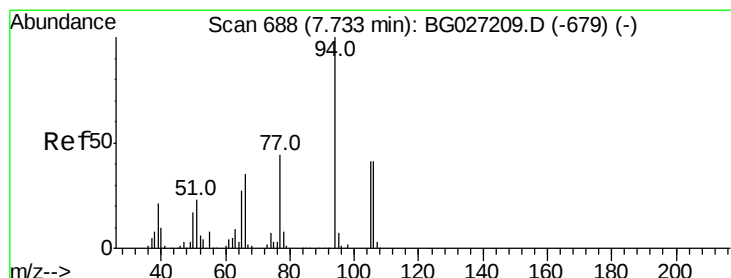
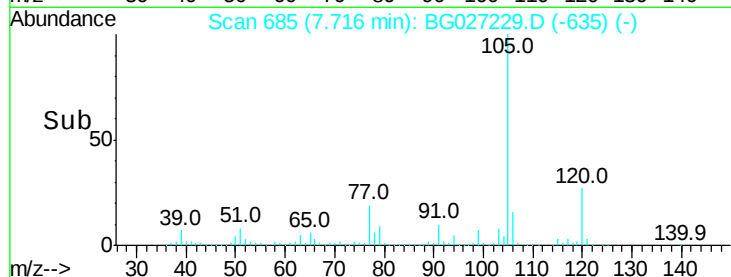
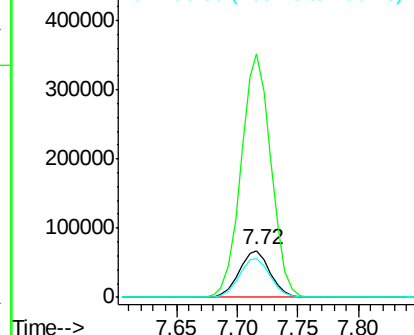
77 100

105 518.0 60.9 100.9#

106 82.0 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: 9.45 ng

RT: 7.73 min Scan# 687

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

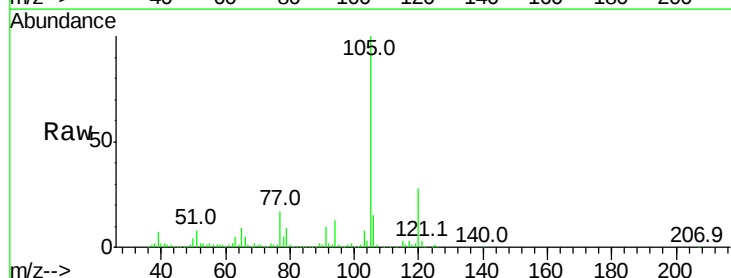
Tgt Ion: 94 Resp: 47472

Ion Ratio Lower Upper

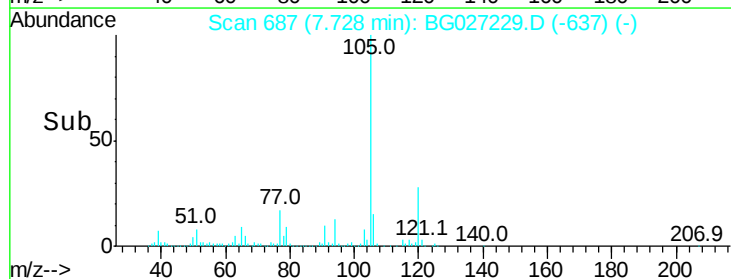
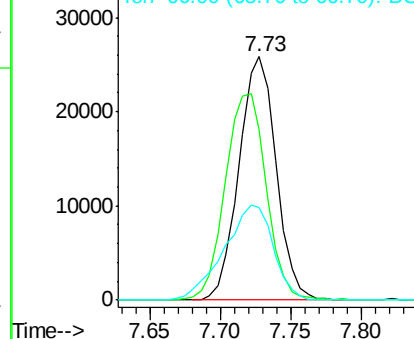
94 100

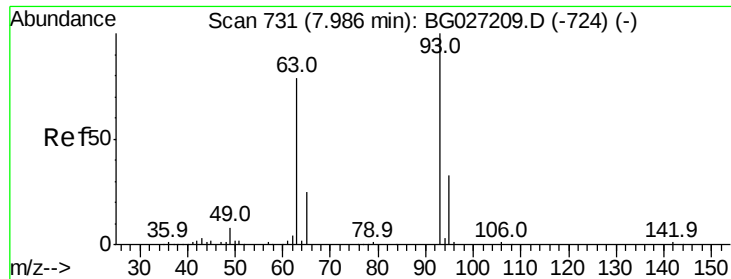
65 69.9 20.6 60.6#

66 38.0 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

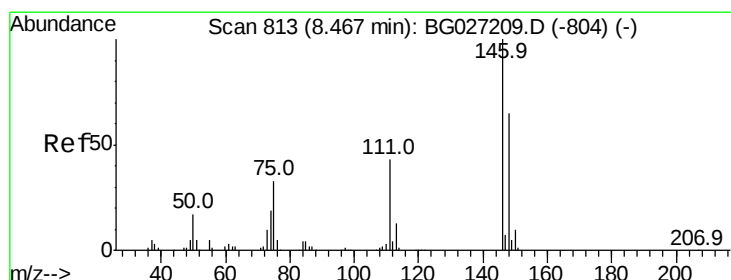
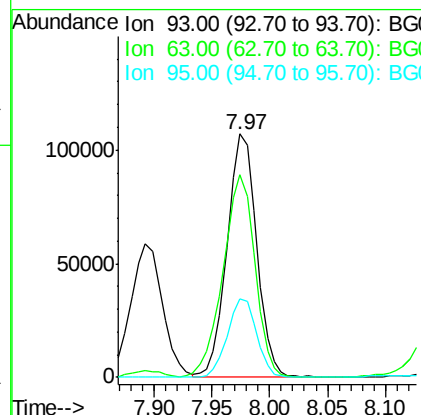
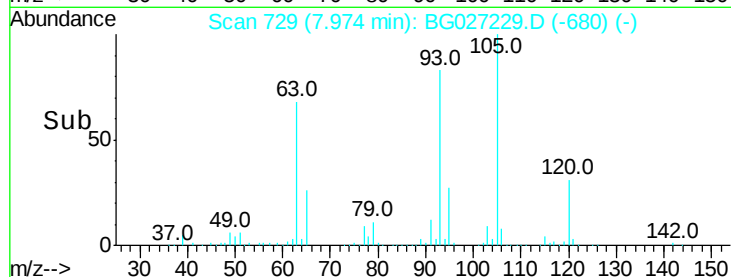
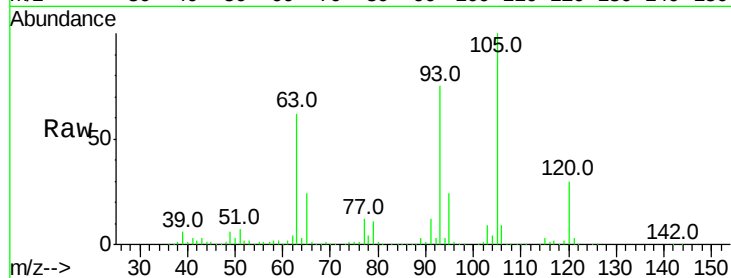




#11  
 bis(2-Chloroethyl)ether  
 Concen: 46.13 ng  
 RT: 7.97 min Scan# 729  
 Delta R.T. -0.01 min  
 Lab File: BG027229.D  
 Acq: 6 Jun 2017 1:48

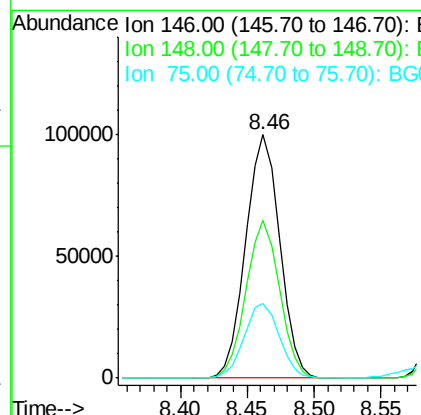
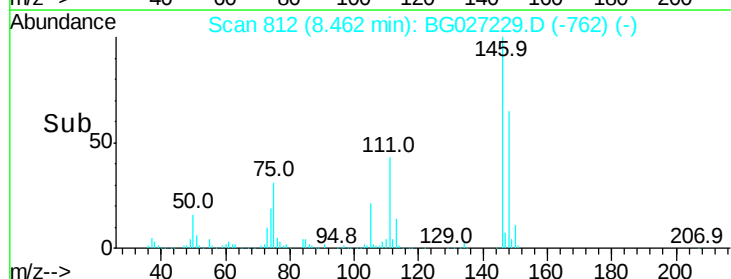
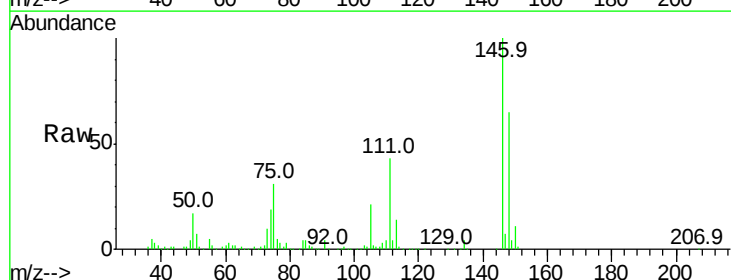
Instrument :  
 BNA\_G  
 ClientSampleId :  
 S22-0025MSD

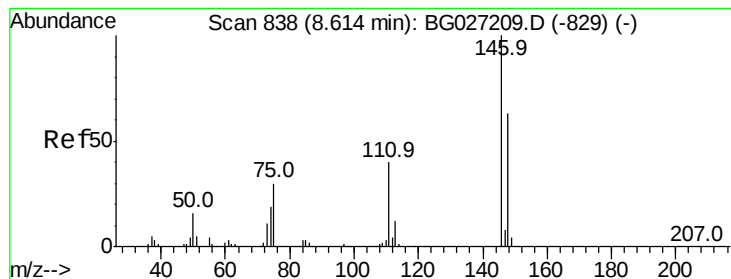
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 93    | Resp: | 190020 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 83.3  | 78.5  | 118.5  |
| 95       | 32.4  | 9.8   | 49.8   |



#12  
 1,3-Dichlorobenzene  
 Concen: 44.26 ng  
 RT: 8.46 min Scan# 812  
 Delta R.T. -0.01 min  
 Lab File: BG027229.D  
 Acq: 6 Jun 2017 1:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 176320 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 148      | 64.6  | 49.2  | 73.8   |
| 75       | 30.9  | 33.4  | 50.2#  |





#13

1,4-Dichlorobenzene

Concen: 44.92 ng

RT: 8.60 min Scan# 836

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

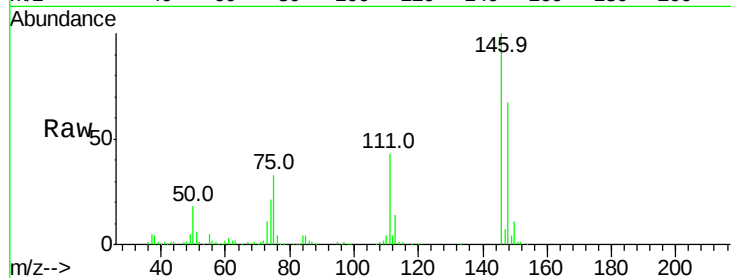
Tot Ion:146 Resp: 183660

Ion Ratio Lower Upper

146 100

148 67.1 52.2 78.2

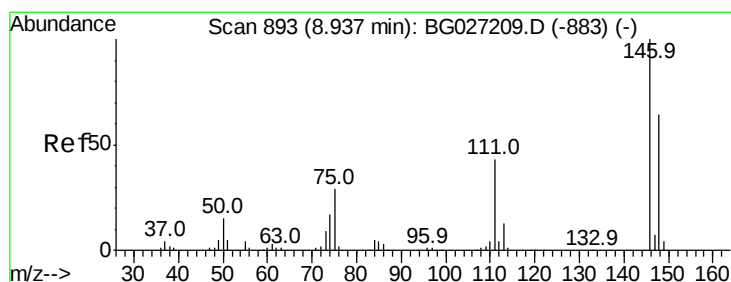
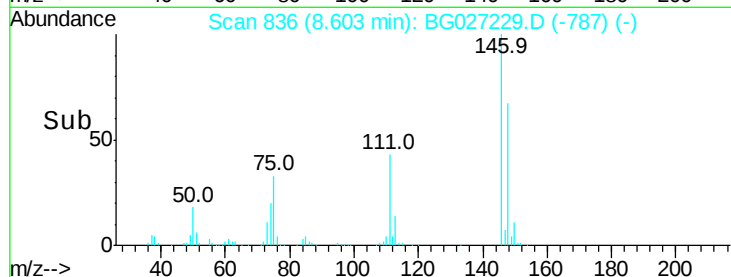
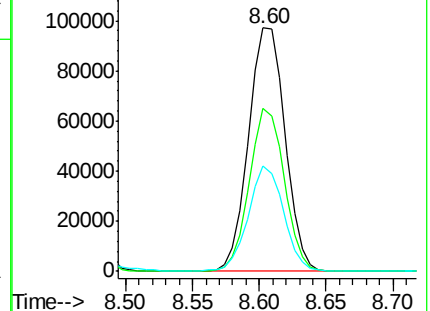
111 43.2 37.0 55.6



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: 45.61 ng

RT: 8.93 min Scan# 891

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

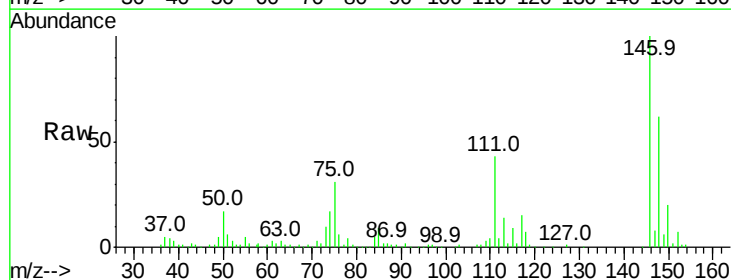
Tgt Ion:146 Resp: 181875

Ion Ratio Lower Upper

146 100

148 62.4 54.6 81.8

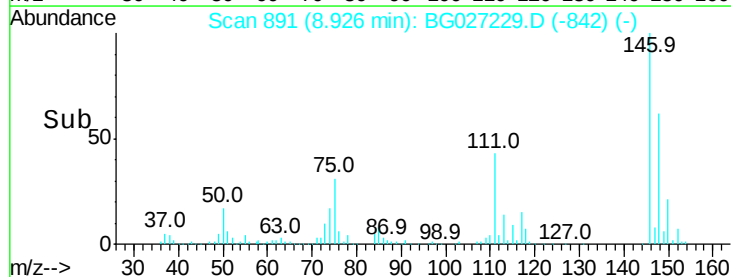
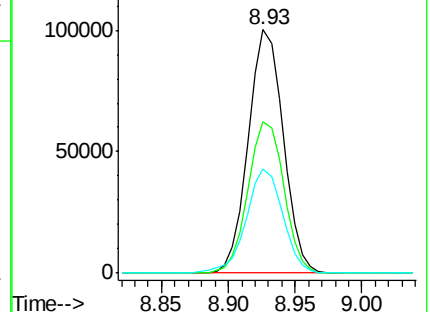
111 42.9 39.7 59.5

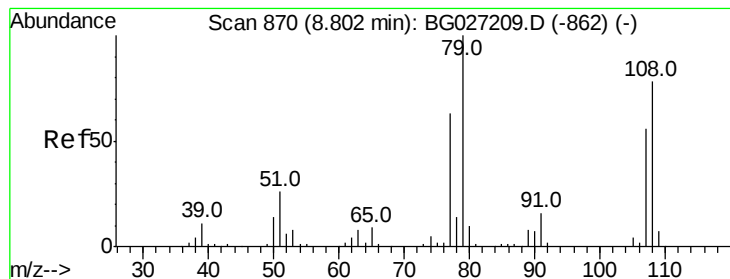


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 31.10 ng

RT: 8.80 min Scan# 869

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

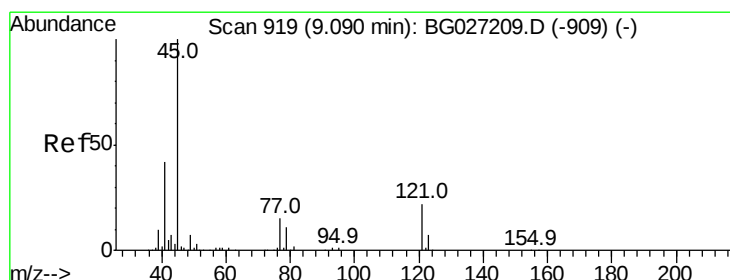
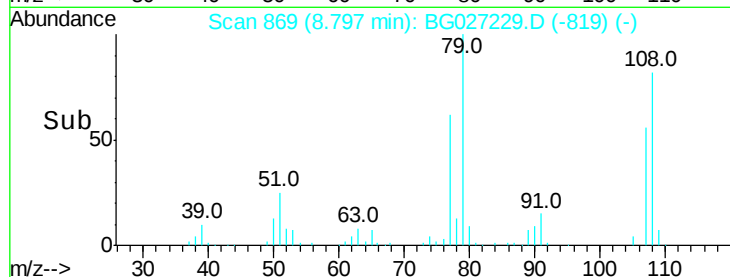
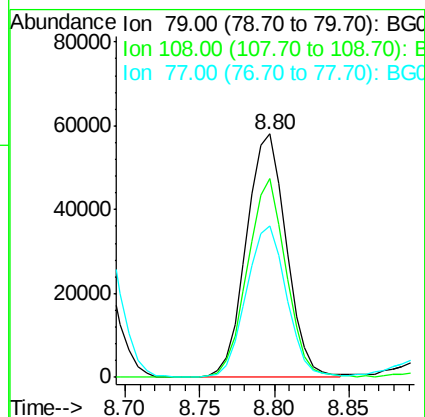
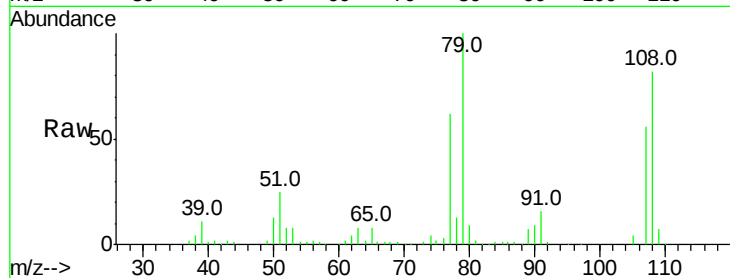
Tot Ion: 79 Resp: 107580

Ion Ratio Lower Upper

79 100

108 81.5 45.5 68.3#

77 62.2 54.3 81.5



#16

2,2'-oxybis(1-chloropropane)

Concen: 44.87 ng

RT: 9.08 min Scan# 918

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

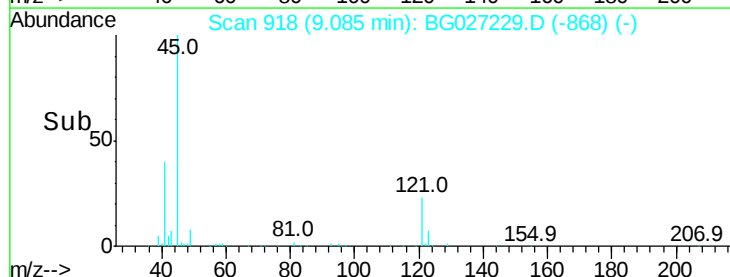
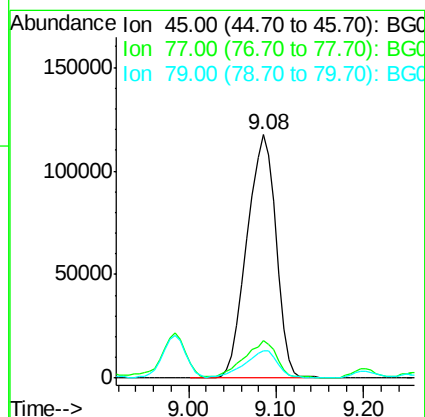
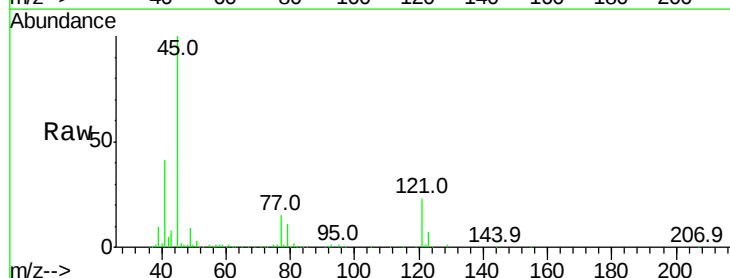
Tgt Ion: 45 Resp: 264466

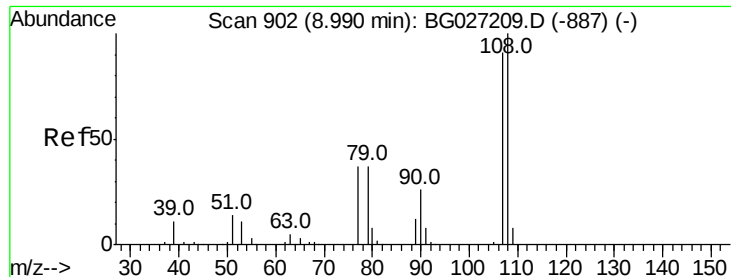
Ion Ratio Lower Upper

45 100

77 15.3 0.0 30.6

79 11.5 0.0 28.5





#17

2-Methylphenol

Concen: 25.09 ng

RT: 8.98 min Scan# 901

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

Tot Ion:107 Resp: 89042

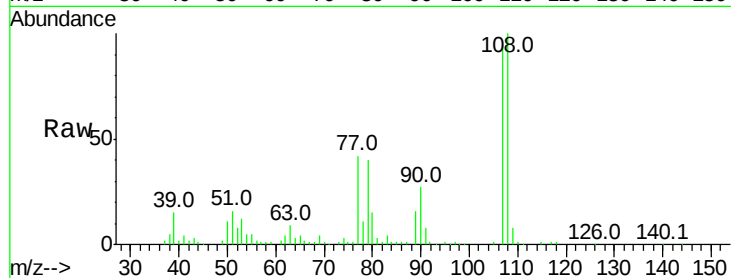
Ion Ratio Lower Upper

107 100

108 106.9 85.6 128.4

77 45.1 51.4 77.2#

79 42.5 49.2 73.8#

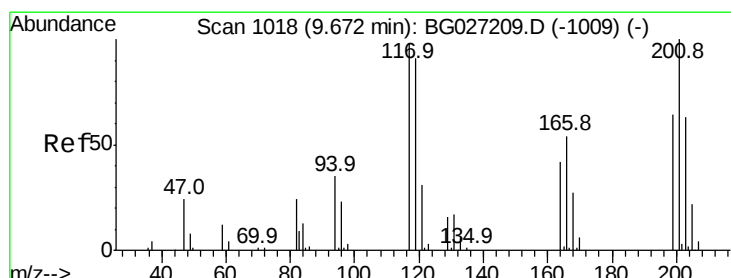
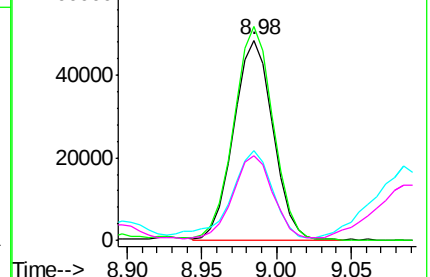
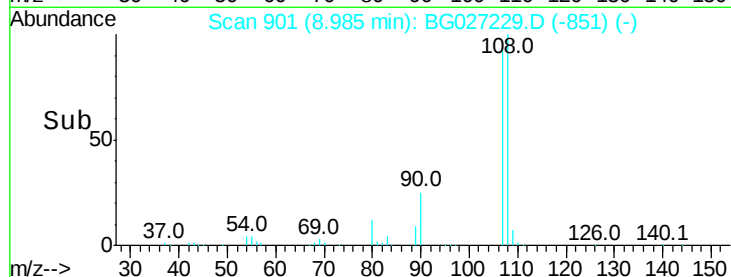


Abundance Ion 107.00 (106.70 to 107.70): E

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



#18

Hexachloroethane

Concen: 72.69 ng

RT: 9.67 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

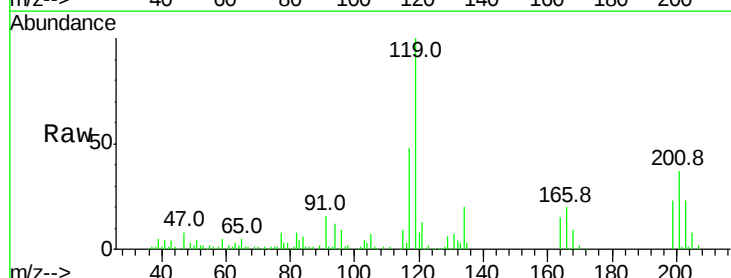
Tgt Ion:117 Resp: 100104

Ion Ratio Lower Upper

117 100

119 206.9 69.8 104.6#

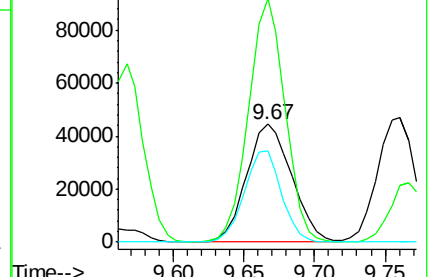
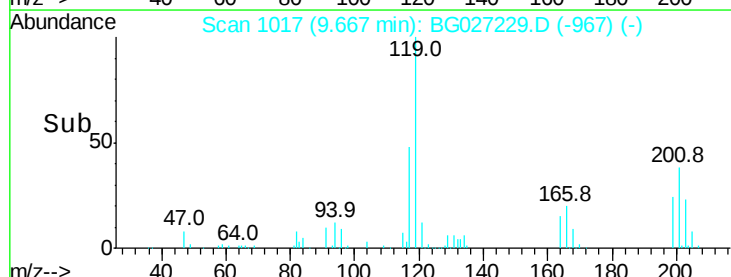
201 77.1 95.4 143.0#

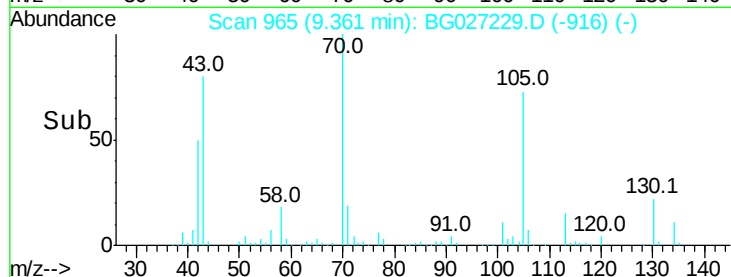
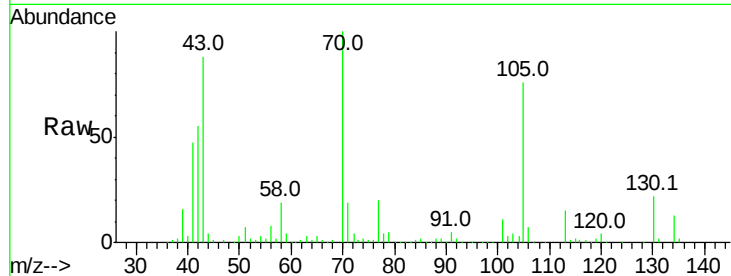
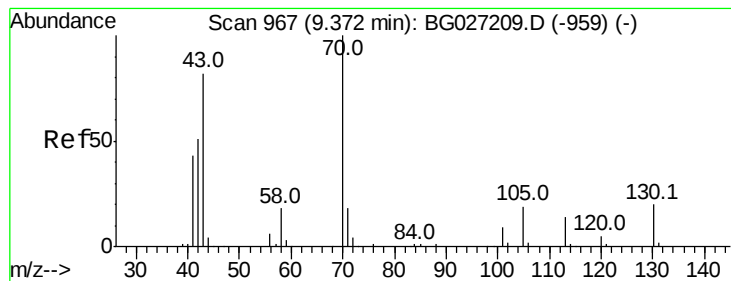


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 48.25 ng

RT: 9.36 min Scan# 965

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

Tot Ion: 70 Resp: 165742

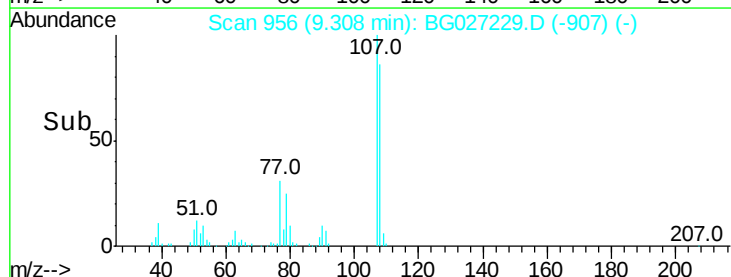
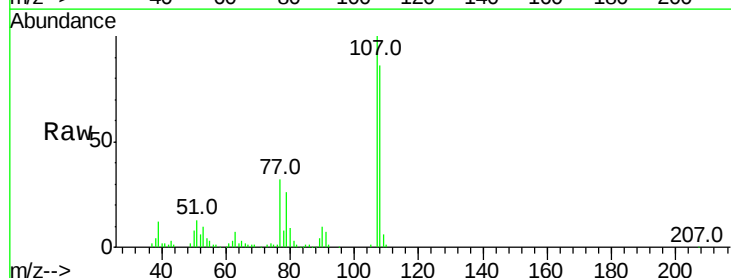
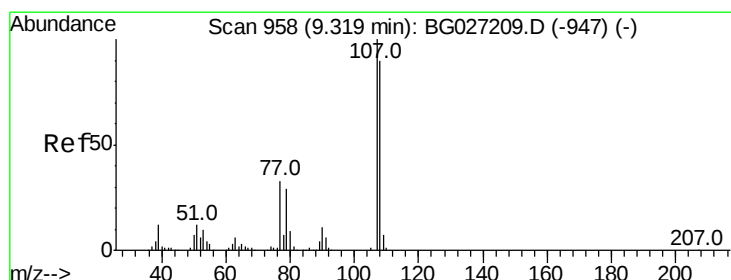
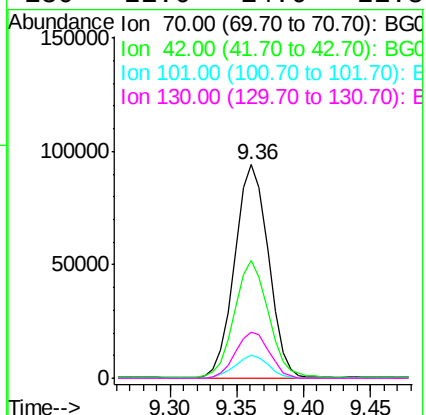
Ion Ratio Lower Upper

70 100

42 54.9 56.1 84.1#

101 10.6 7.5 11.3

130 21.6 14.6 21.8



#20

3+4-Methylphenols

Concen: 20.47 ng

RT: 9.31 min Scan# 956

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Tgt Ion: 107 Resp: 100649

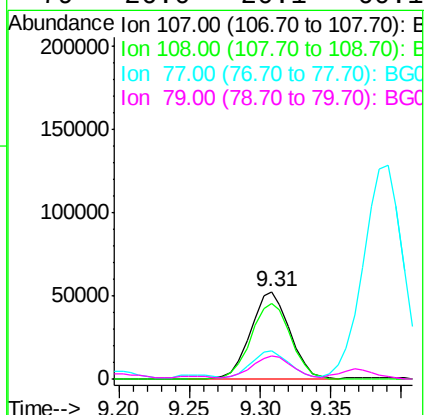
Ion Ratio Lower Upper

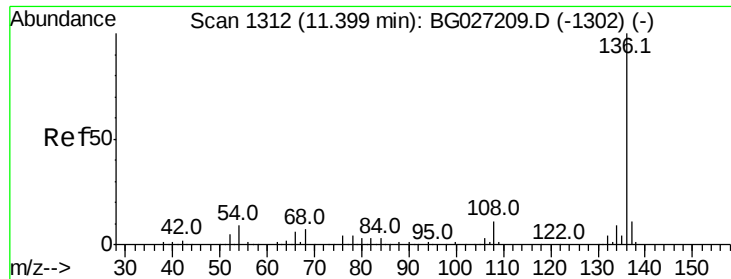
107 100

108 86.4 70.8 110.8

77 31.7 25.8 65.8

79 26.0 20.1 60.1

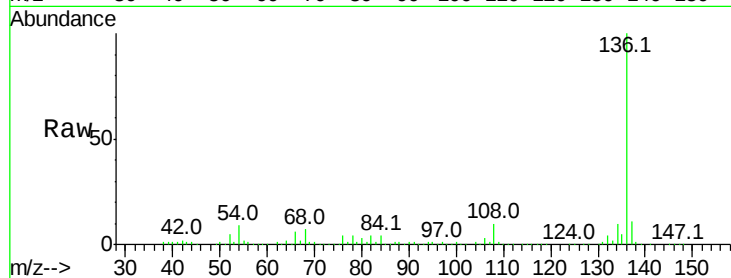




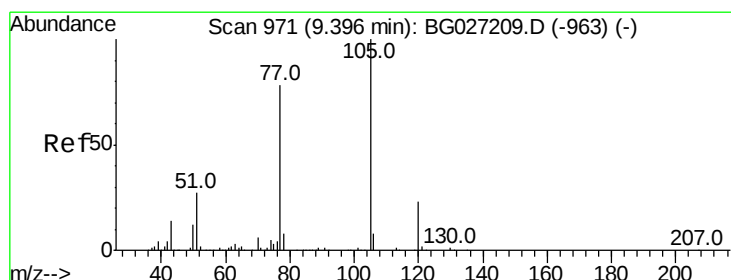
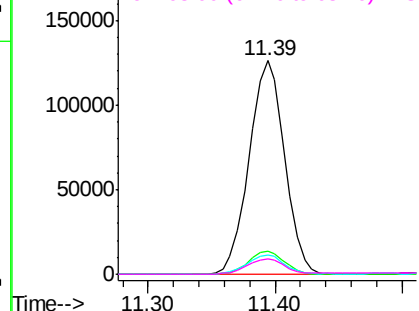
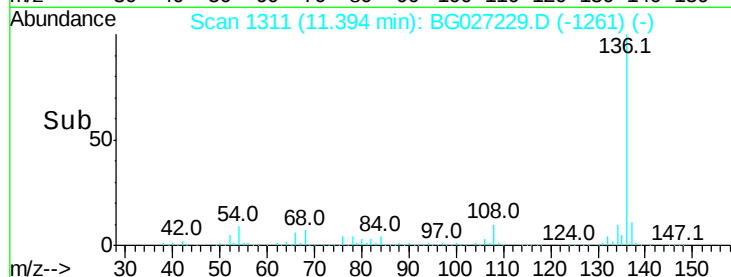
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.39 min Scan# 1311  
Delta R.T. -0.01 min  
Lab File: BG027229.D  
Acq: 6 Jun 2017 1:48

Instrument :  
BNA\_G  
ClientSampleId :  
S22-0025MSD

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:136 | Resp: | 244457    |
| Ion Ratio   | Lower | Upper     |
| 136         | 100   |           |
| 137         | 10.7  | 8.9 13.3  |
| 54          | 9.1   | 9.3 13.9# |
| 68          | 7.2   | 5.1 7.7   |

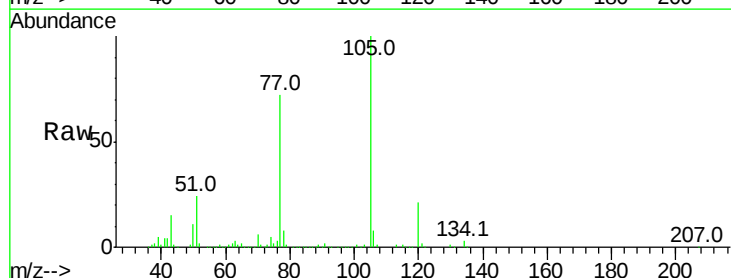


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

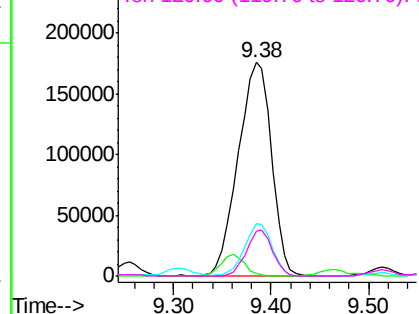
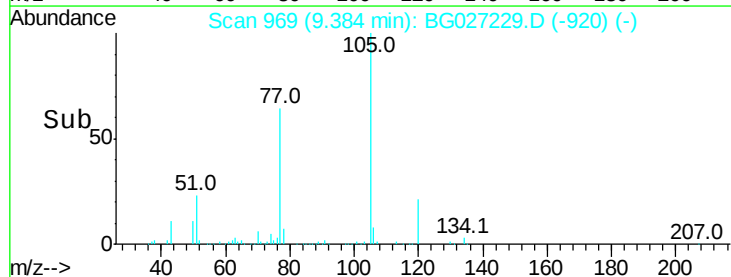


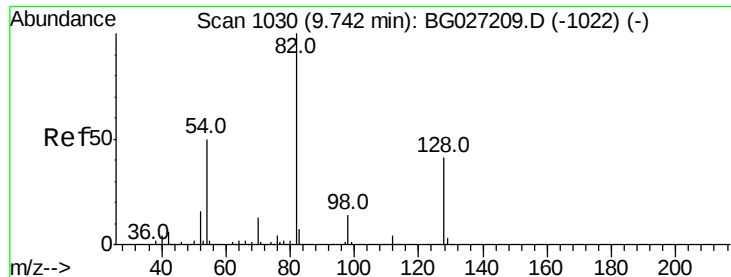
#22  
Acetophenone  
Concen: 66.52 ng  
RT: 9.38 min Scan# 969  
Delta R.T. -0.01 min  
Lab File: BG027229.D  
Acq: 6 Jun 2017 1:48

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:105 | Resp: | 415884     |
| Ion Ratio   | Lower | Upper      |
| 105         | 100   |            |
| 71          | 1.1   | 0.9 1.3    |
| 51          | 24.5  | 34.0 51.0# |
| 120         | 20.9  | 17.3 25.9  |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC  
Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 112.75 ng

RT: 9.74 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

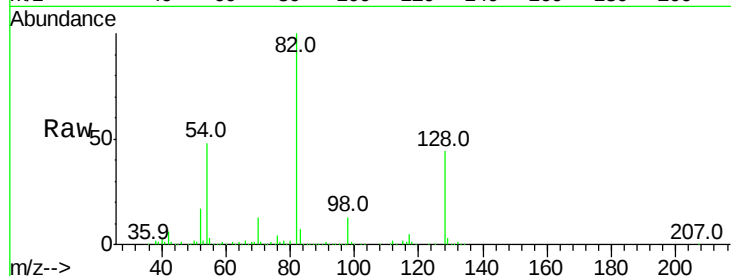
Tot Ion: 82 Resp: 438250

Ion Ratio Lower Upper

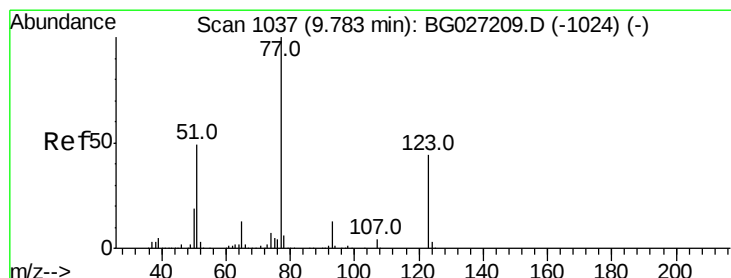
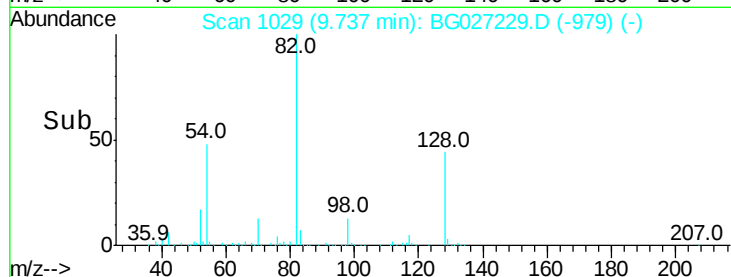
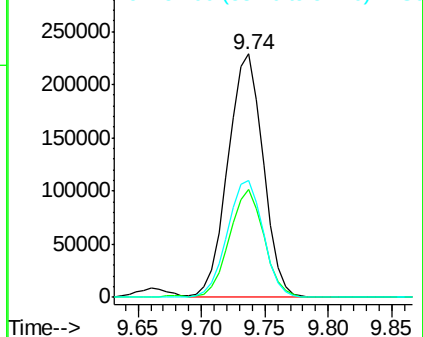
82 100

128 44.1 26.4 39.6#

54 48.2 49.4 74.2#



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC



#24

Nitrobenzene

Concen: 52.84 ng

RT: 9.78 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

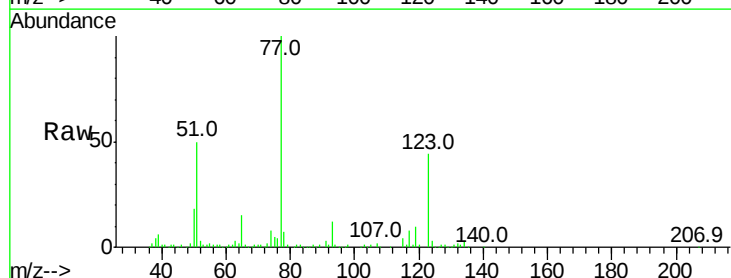
Tgt Ion: 77 Resp: 233995

Ion Ratio Lower Upper

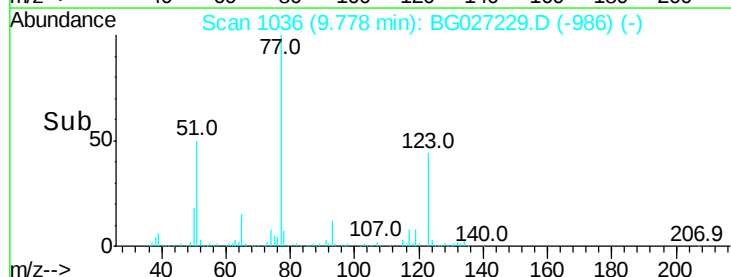
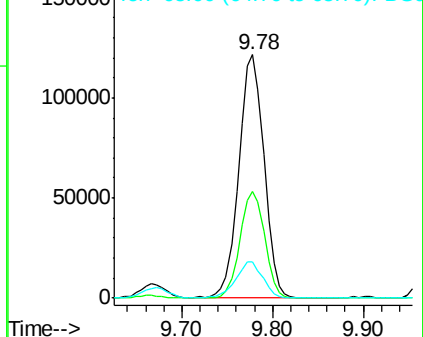
77 100

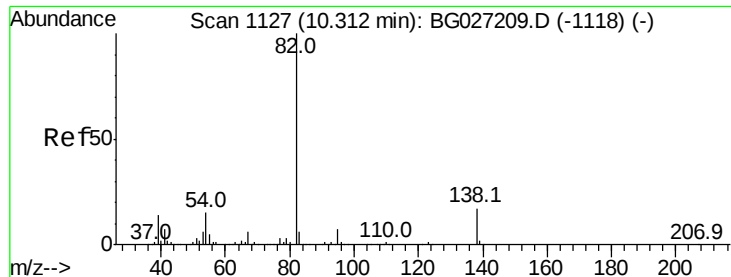
123 44.0 26.1 39.1#

65 14.7 12.4 18.6



Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 123.00 (122.70 to 123.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 49.51 ng

RT: 10.30 min Scan# 1125

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

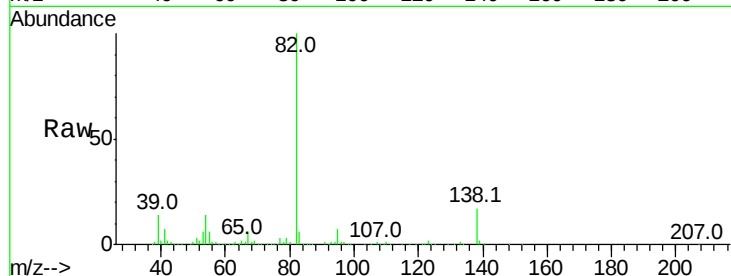
Tot Ion: 82 Resp: 452564

Ion Ratio Lower Upper

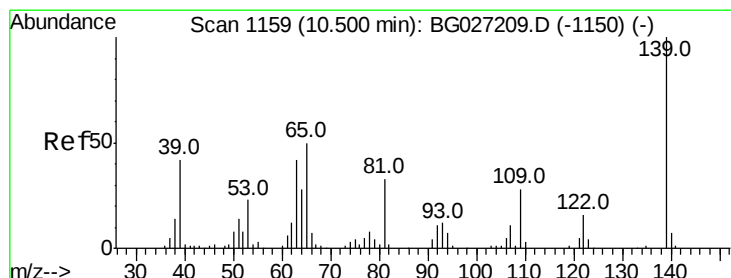
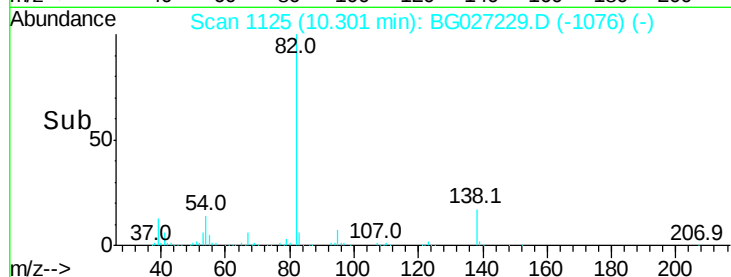
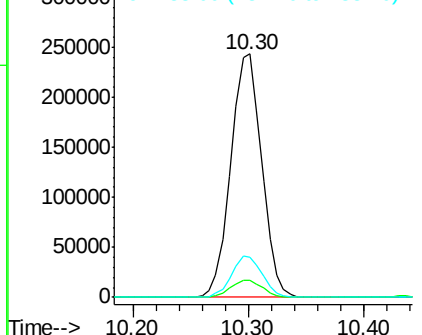
82 100

95 7.1 7.5 11.3#

138 16.6 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: 31.32 ng

RT: 10.49 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

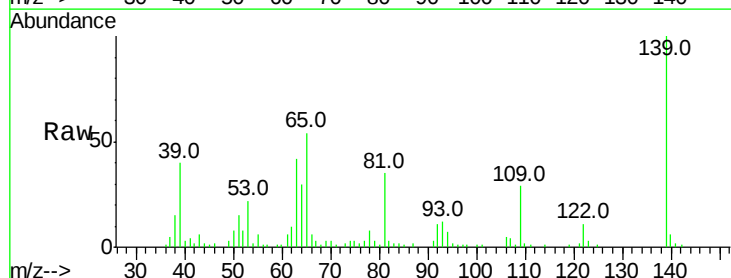
Tgt Ion:139 Resp: 51809

Ion Ratio Lower Upper

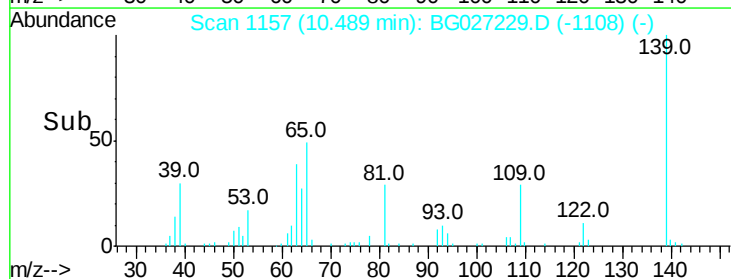
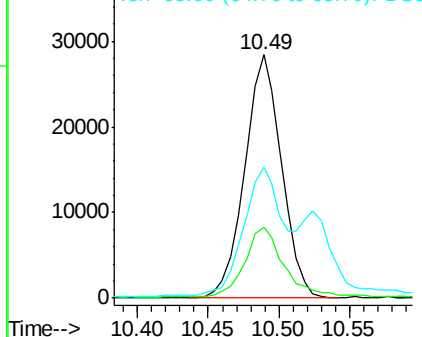
139 100

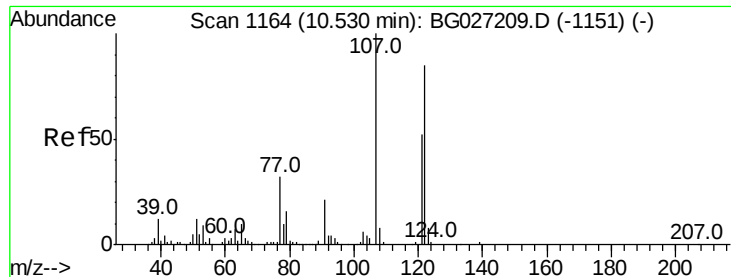
109 28.9 38.6 58.0#

65 53.8 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

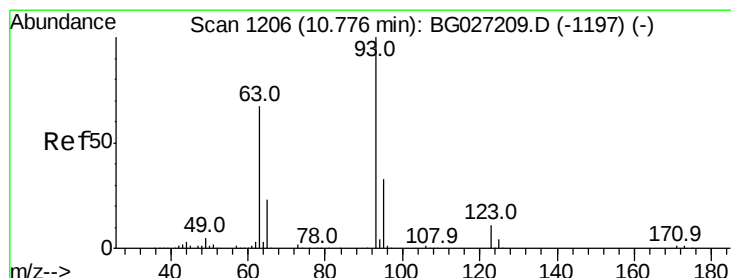
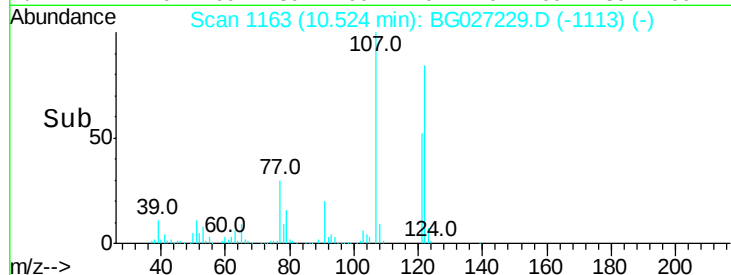
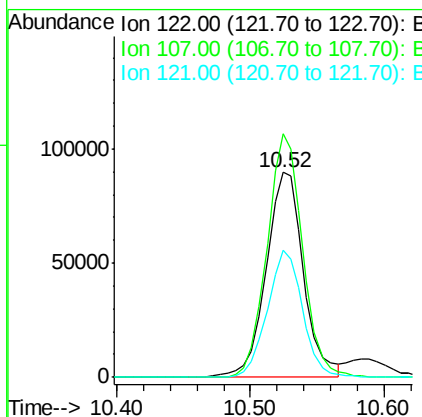
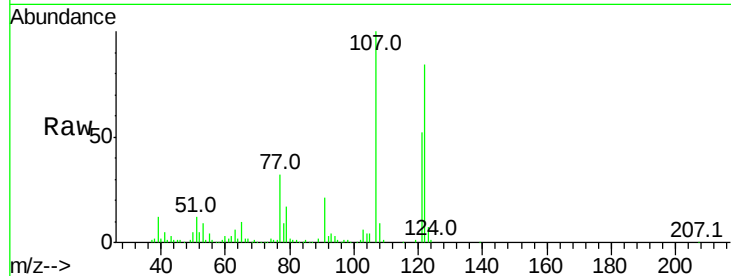




#27  
 2,4-Dimethylphenol  
 Concen: 44.25 ng  
 RT: 10.52 min Scan# 1163  
 Delta R.T. -0.01 min  
 Lab File: BG027229.D  
 Acq: 6 Jun 2017 1:48

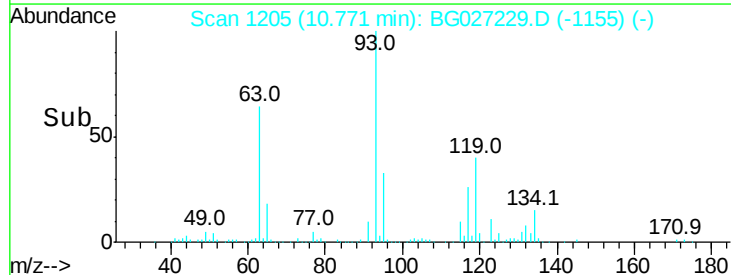
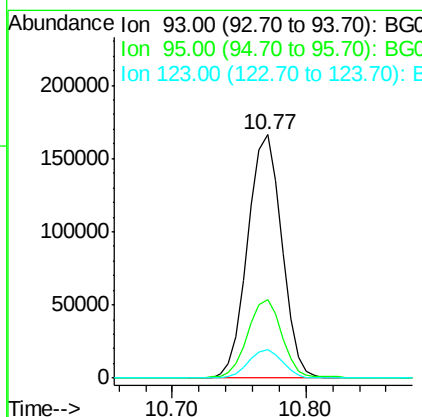
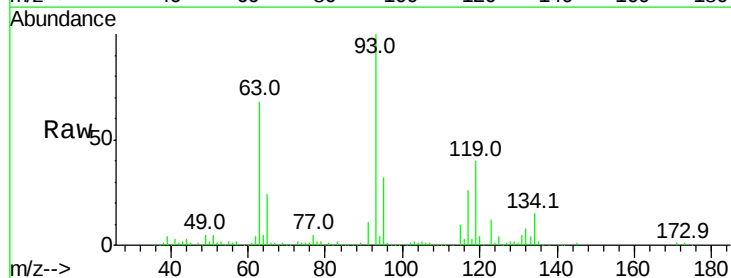
Instrument :  
 BNA\_G  
 ClientSampleId :  
 S22-0025MSD

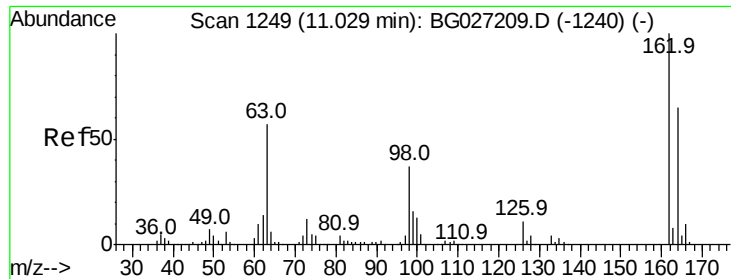
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 118.7 | 104.2 | 156.4 |
| 121     | 61.9  | 46.0  | 69.0  |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 49.63 ng  
 RT: 10.77 min Scan# 1205  
 Delta R.T. -0.01 min  
 Lab File: BG027229.D  
 Acq: 6 Jun 2017 1:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.4  | 25.7  | 38.5  |
| 123     | 11.6  | 8.3   | 12.5  |

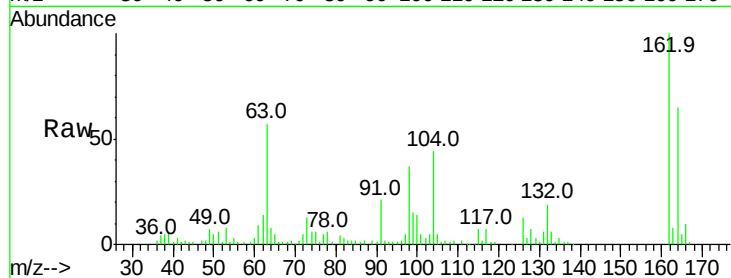




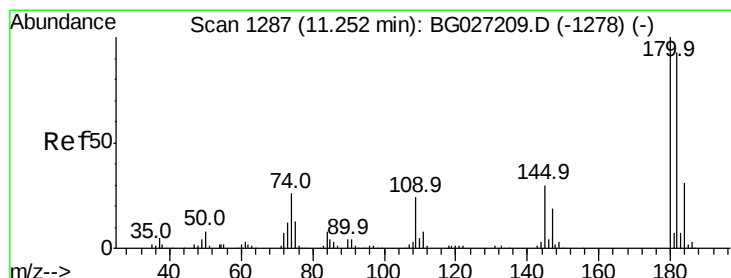
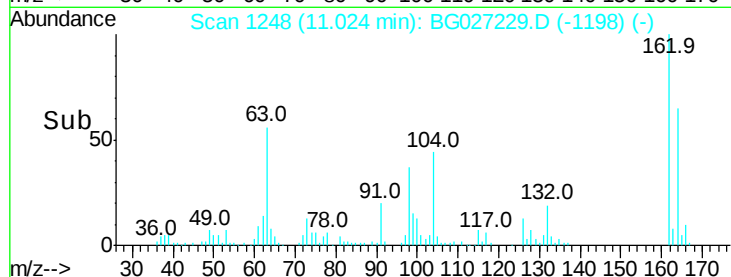
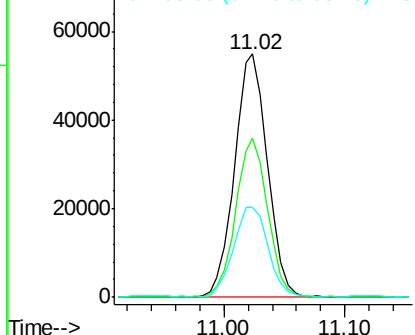
#29  
 2,4-Dichlorophenol  
 Concen: 28.98 ng  
 RT: 11.02 min Scan# 1248  
 Delta R.T. -0.01 min  
 Lab File: BG027229.D  
 Acq: 6 Jun 2017 1:48

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S22-0025MSD

Tot Ion:162 Resp: 103953  
 Ion Ratio Lower Upper  
 162 100  
 164 65.3 42.4 82.4  
 98 37.1 20.3 60.3

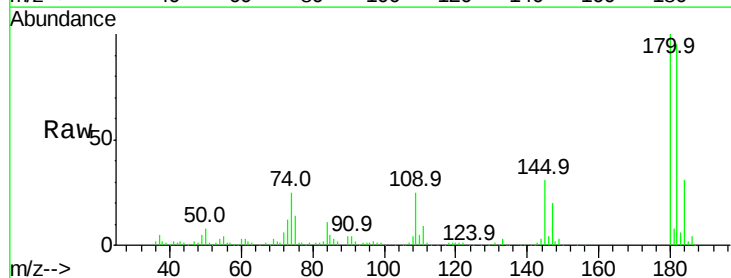


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): B

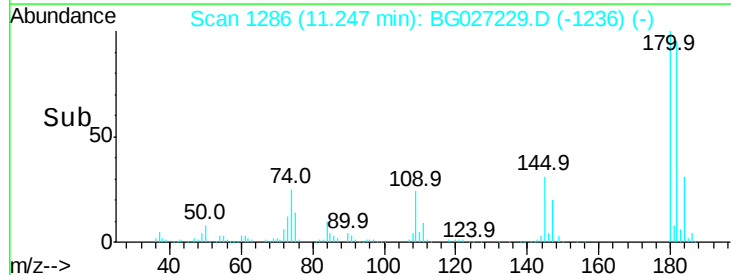
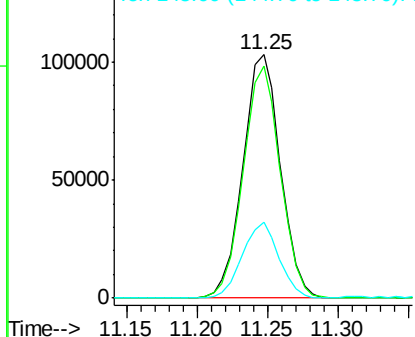


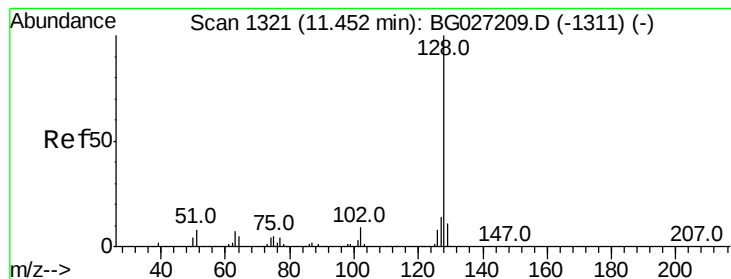
#30  
 1,2,4-Trichlorobenzene  
 Concen: 48.29 ng  
 RT: 11.25 min Scan# 1286  
 Delta R.T. -0.01 min  
 Lab File: BG027229.D  
 Acq: 6 Jun 2017 1:48

Tgt Ion:180 Resp: 191828  
 Ion Ratio Lower Upper  
 180 100  
 182 95.3 77.0 115.4  
 145 31.1 23.4 35.0



Abundance Ion 180.00 (179.70 to 180.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 97.62 ng

RT: 11.45 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

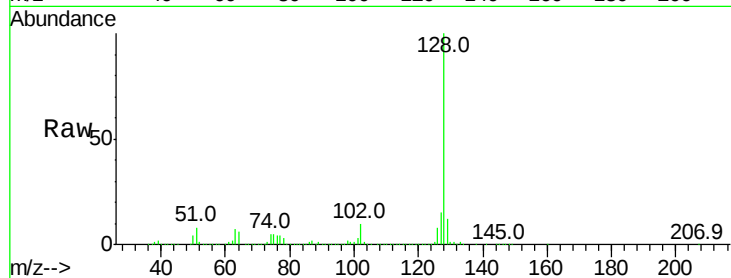
Tot Ion:128 Resp: 1304190

Ion Ratio Lower Upper

128 100

129 11.8 9.3 13.9

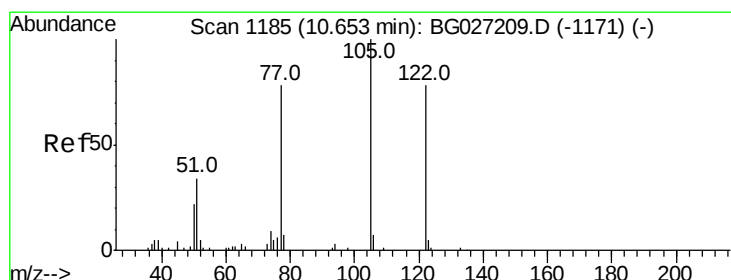
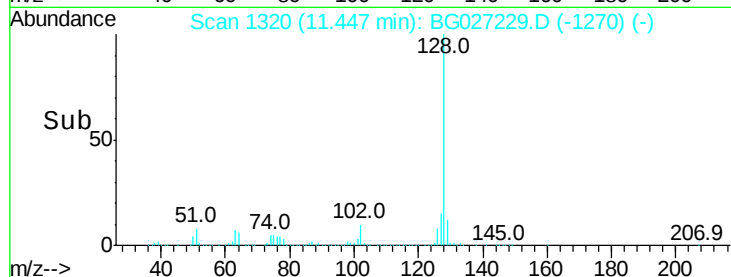
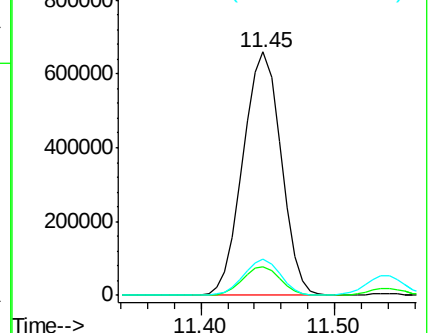
127 14.9 11.4 17.0



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: 13.37 ng

RT: 10.59 min Scan# 1174

Delta R.T. -0.06 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

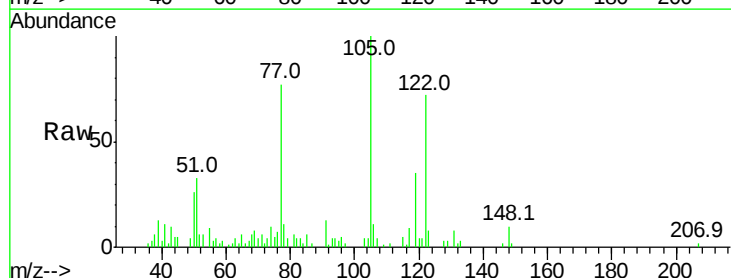
Tgt Ion:122 Resp: 17464

Ion Ratio Lower Upper

122 100

105 138.1 120.1 160.1

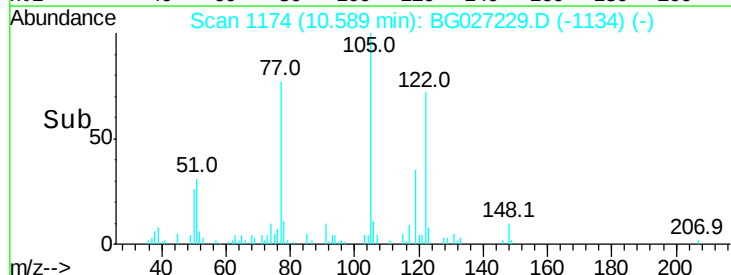
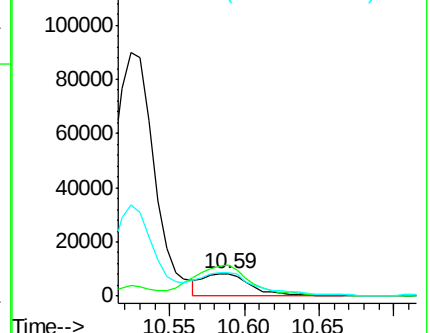
77 106.7 104.6 144.6

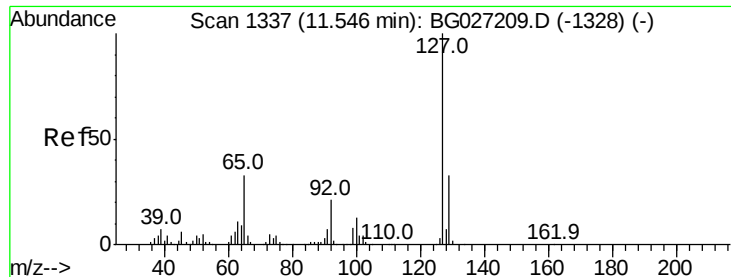


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

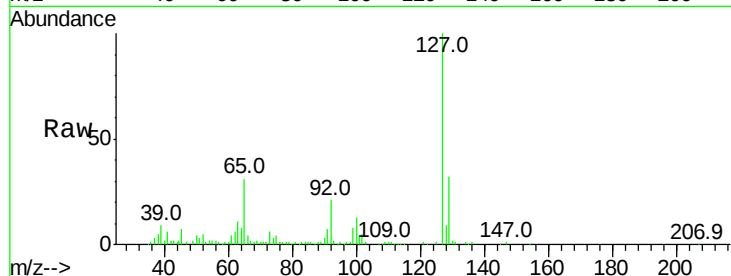




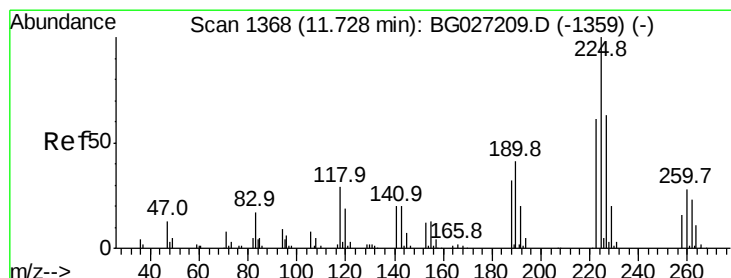
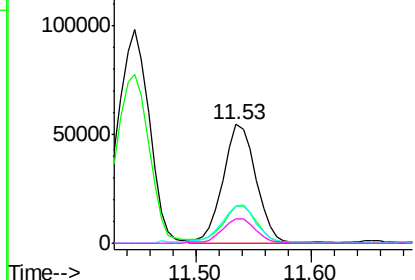
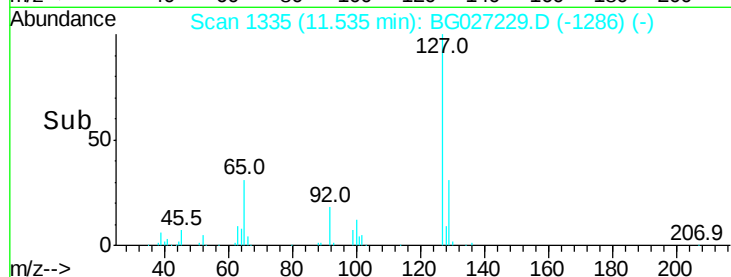
#33  
4-Chloroaniline  
Concen: 19.25 ng  
RT: 11.53 min Scan# 1335  
Delta R.T. -0.01 min  
Lab File: BG027229.D  
Acq: 6 Jun 2017 1:48

Instrument :  
BNA\_G  
ClientSampleId :  
S22-0025MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 107172 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.5  | 23.6  | 35.4   |
| 65       | 31.5  | 37.7  | 56.5#  |
| 92       | 20.6  | 17.6  | 26.4   |

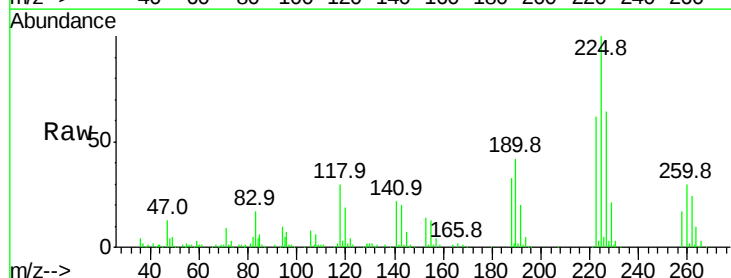


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC

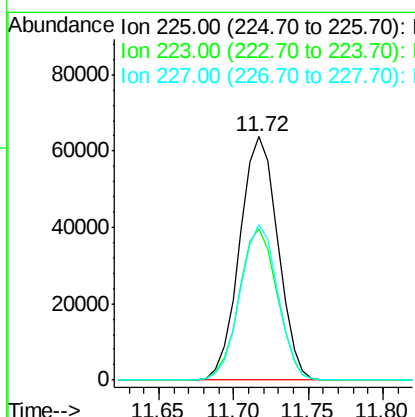
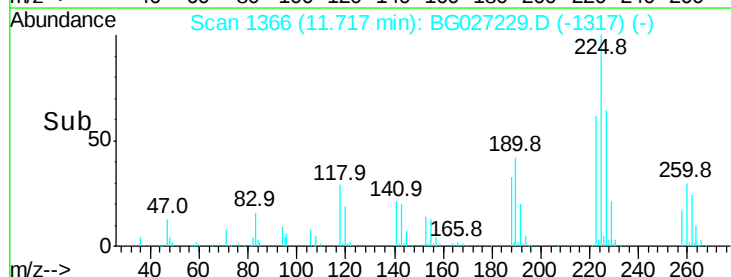


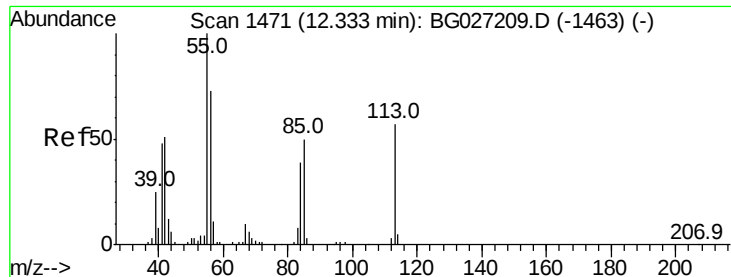
#34  
Hexachlorobutadiene  
Concen: 46.25 ng  
RT: 11.72 min Scan# 1366  
Delta R.T. -0.01 min  
Lab File: BG027229.D  
Acq: 6 Jun 2017 1:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 112910 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.0  | 50.7  | 76.1   |
| 227      | 63.7  | 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: 8.41 ng

RT: 12.36 min Scan# 1475

Delta R.T. 0.02 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

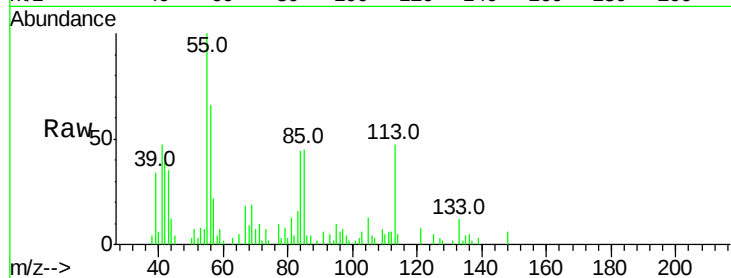
Tot Ion:113 Resp: 10354

Ion Ratio Lower Upper

113 100

55 211.4 198.6 238.6

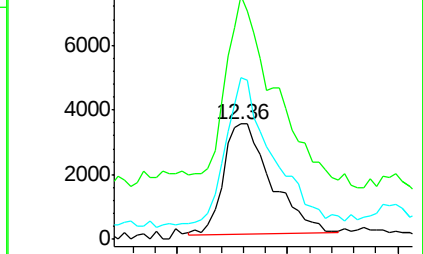
56 140.5 140.4 180.4



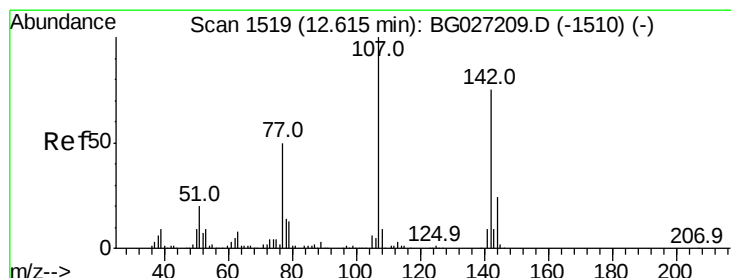
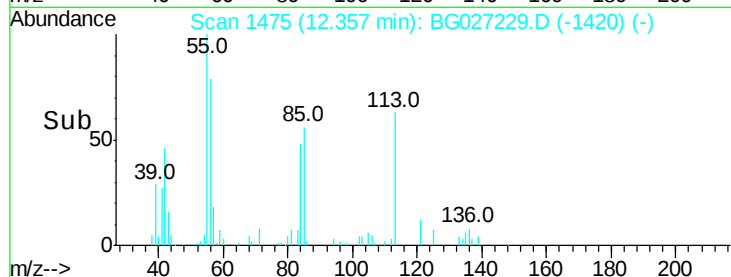
Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



Time-->



#36

4-Chloro-3-methylphenol

Concen: 32.30 ng

RT: 12.61 min Scan# 1518

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

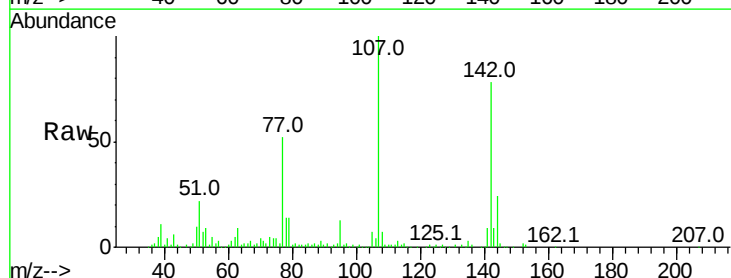
Tgt Ion:107 Resp: 145234

Ion Ratio Lower Upper

107 100

144 24.2 17.4 26.0

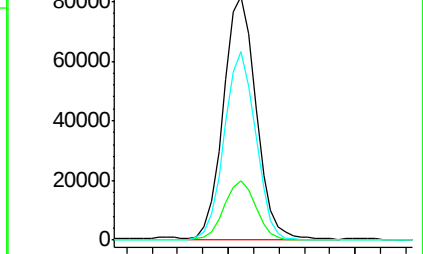
142 77.7 54.1 81.1



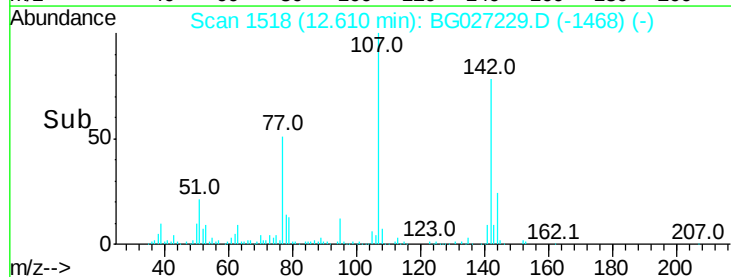
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



Time-->

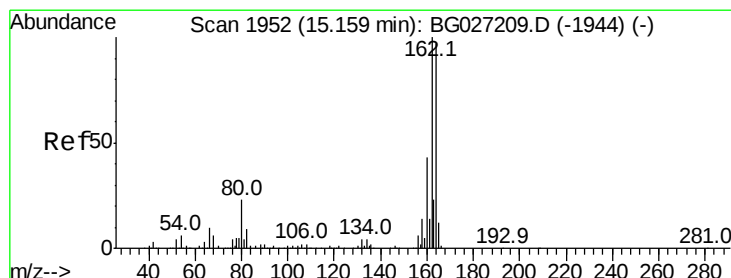
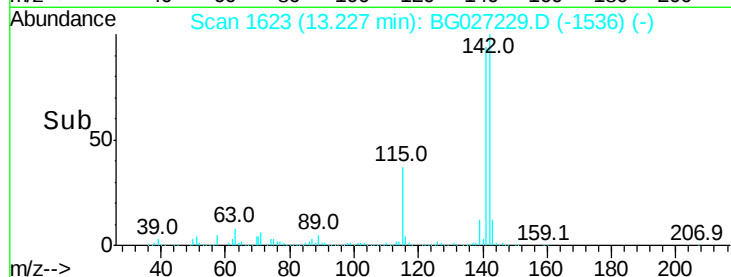
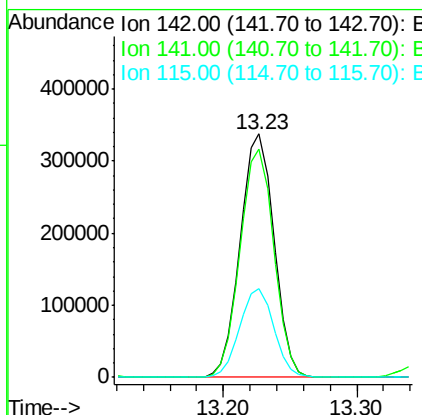
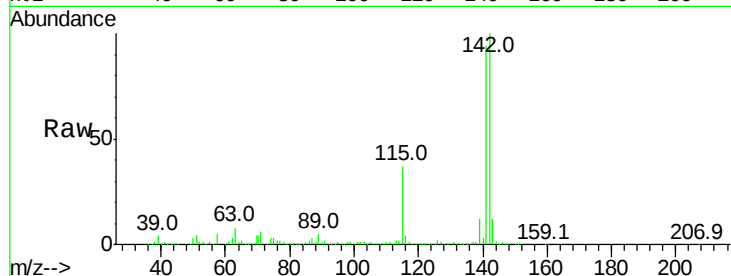




#37  
2-Methylnaphthalene  
Concen: 60.77 ng  
RT: 13.23 min Scan# 1623  
Delta R.T. 0.21 min  
Lab File: BG027229.D  
Acq: 6 Jun 2017 1:48

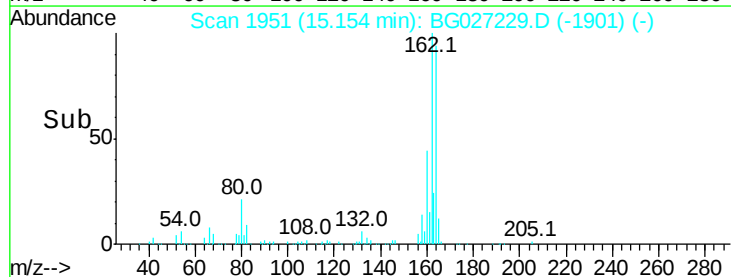
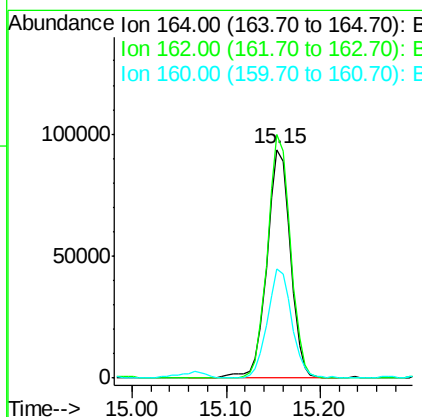
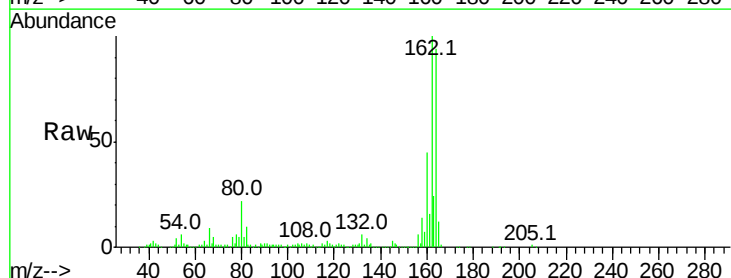
Instrument :  
BNA\_G  
ClientSampleId :  
S22-0025MSD

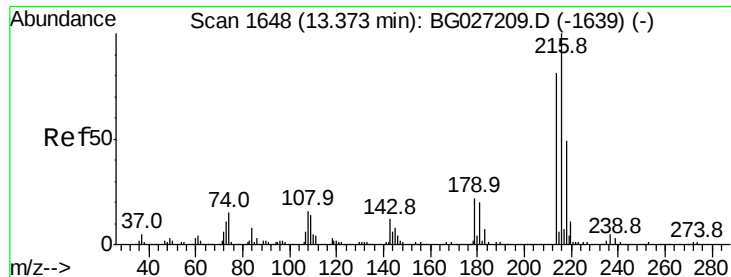
Tot Ion:142 Resp: 592240  
Ion Ratio Lower Upper  
142 100  
141 93.7 70.4 105.6  
115 36.7 35.5 53.3



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 15.15 min Scan# 1951  
Delta R.T. -0.01 min  
Lab File: BG027229.D  
Acq: 6 Jun 2017 1:48

Tgt Ion:164 Resp: 161963  
Ion Ratio Lower Upper  
164 100  
162 106.4 85.1 127.7  
160 47.8 34.7 52.1





#39

1,2,4,5-Tetrachlorobenzene

Concen: 46.68 ng

RT: 13.36 min Scan# 1646

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

Tot Ion:216 Resp: 235539

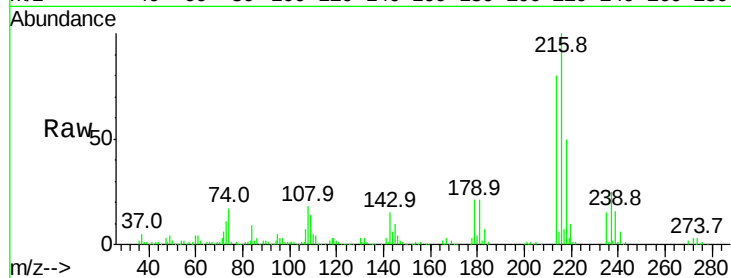
Ion Ratio Lower Upper

216 100

214 79.2 64.4 96.6

179 21.0 17.4 26.0

108 20.5 15.6 23.4

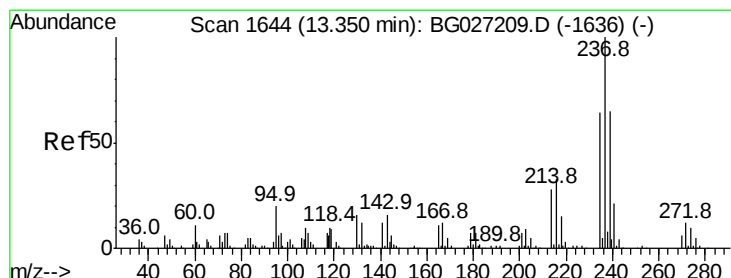
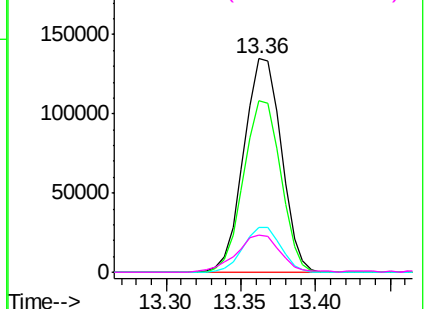
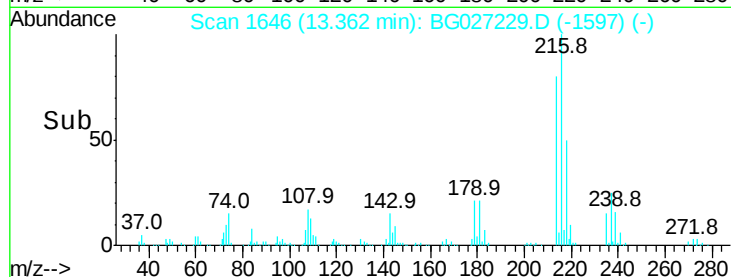


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 85.21 ng

RT: 13.34 min Scan# 1643

Delta R.T. -0.00 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

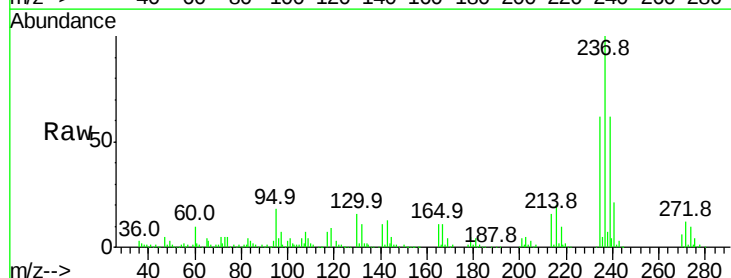
Tgt Ion:237 Resp: 228844

Ion Ratio Lower Upper

237 100

235 61.9 39.4 79.4

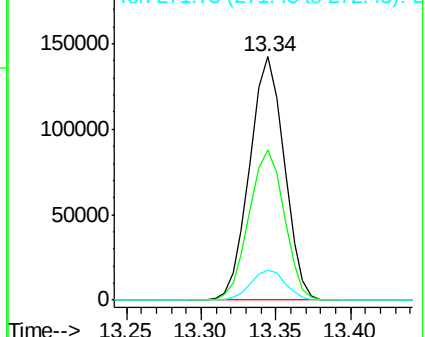
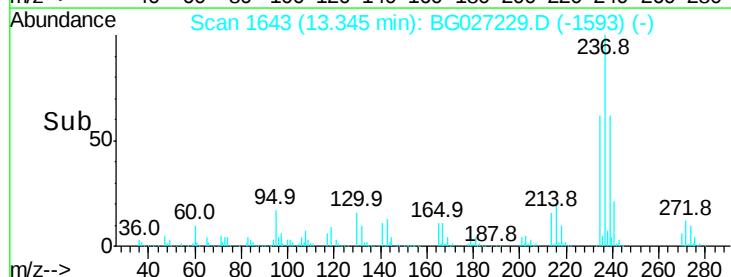
272 12.1 0.0 32.0

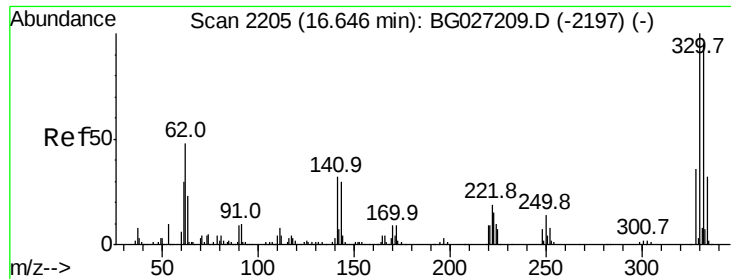


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

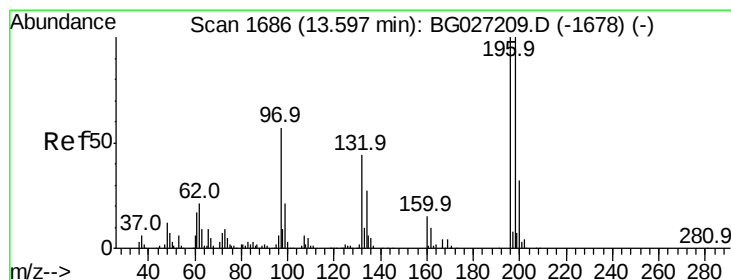
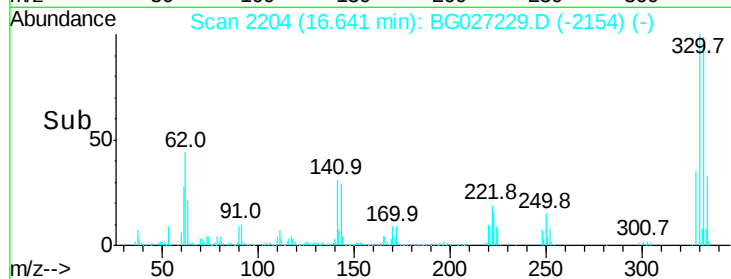
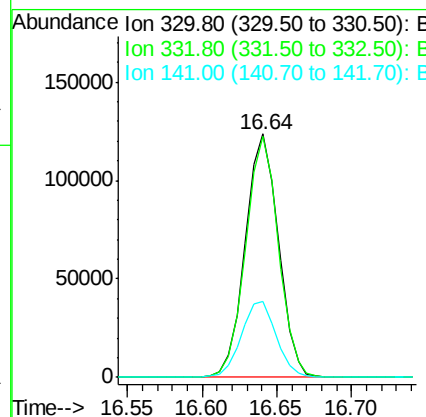
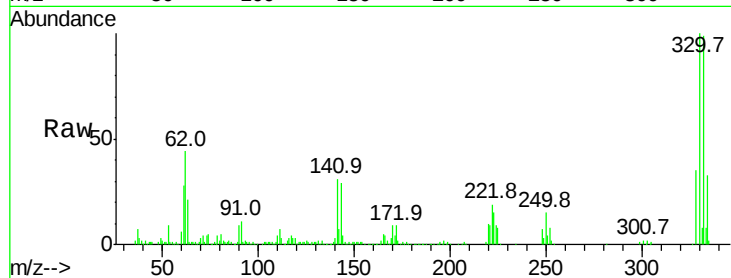




#41  
 2,4,6-Tribromophenol  
 Concen: 89.24 ng  
 RT: 16.64 min Scan# 2204  
 Delta R.T. -0.01 min  
 Lab File: BG027229.D  
 Acq: 6 Jun 2017 1:48

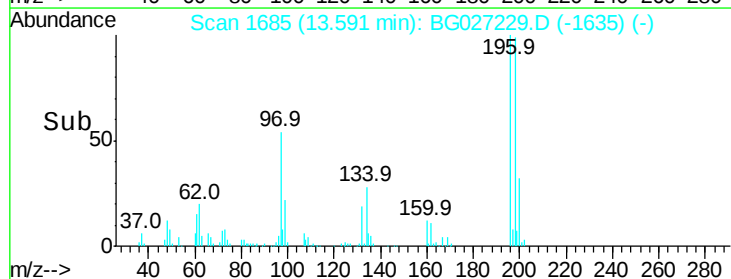
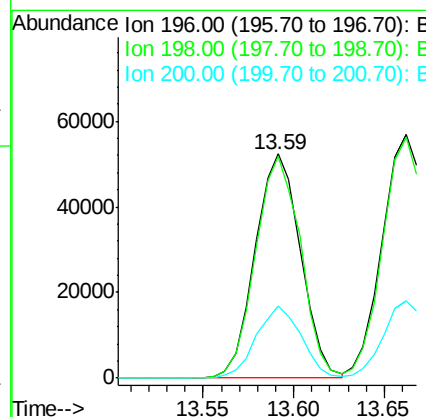
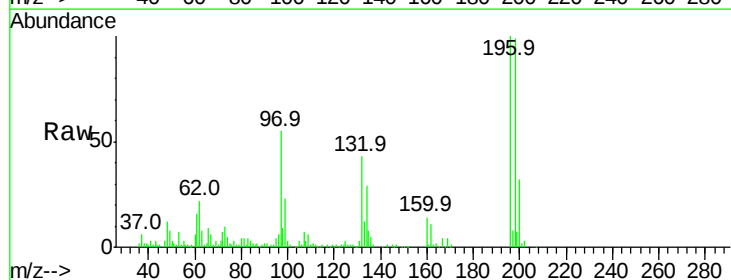
Instrument :  
 BNA\_G  
 ClientSampleId :  
 S22-0025MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.5  | 77.3  | 115.9 |
| 141     | 32.7  | 32.1  | 48.1  |



#42  
 2,4,6-Trichlorophenol  
 Concen: 29.68 ng  
 RT: 13.59 min Scan# 1685  
 Delta R.T. -0.01 min  
 Lab File: BG027229.D  
 Acq: 6 Jun 2017 1:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 99.3  | 81.4  | 122.2 |
| 200     | 32.3  | 27.0  | 40.6  |

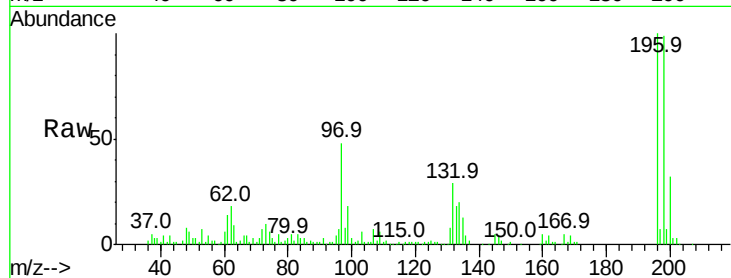




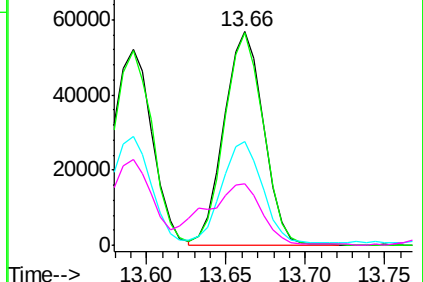
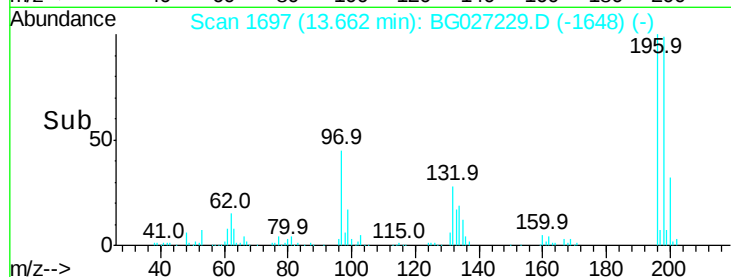
#43  
 2,4,5-Trichlorophenol  
 Concen: 28.73 ng  
 RT: 13.66 min Scan# 1697  
 Delta R.T. -0.01 min  
 Lab File: BG027229.D  
 Acq: 6 Jun 2017 1:48

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S22-0025MSD

Tot Ion:196 Resp: 98376  
 Ion Ratio Lower Upper  
 196 100  
 198 99.3 79.9 119.9  
 97 48.4 45.4 68.0  
 132 29.0 20.7 31.1

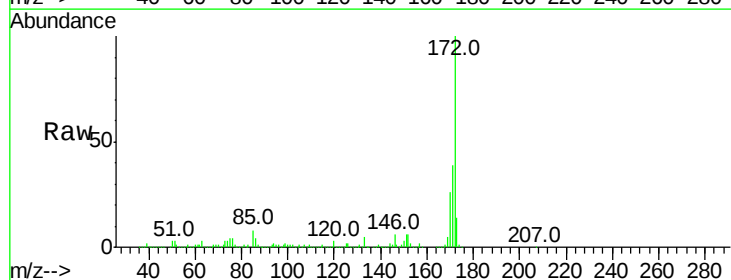


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BG  
 Ion 132.00 (131.70 to 132.70): E

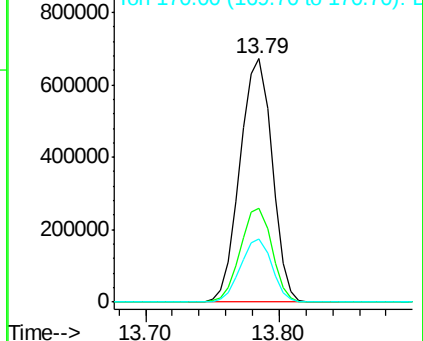
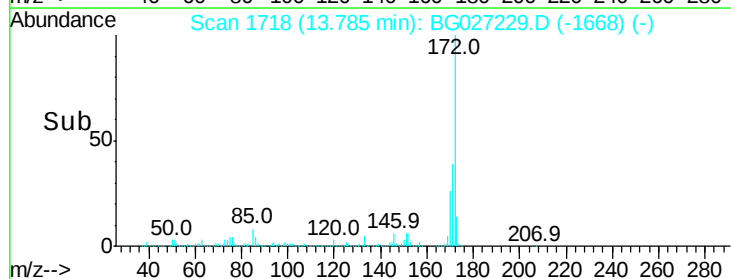


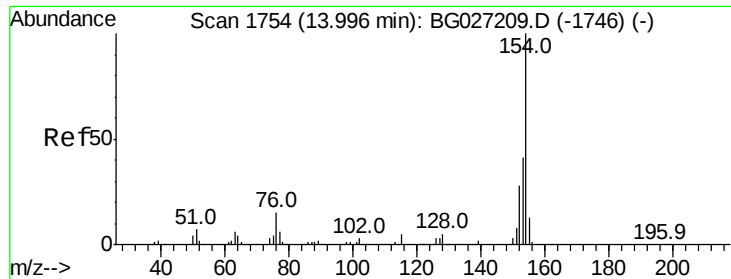
#44  
 2-Fluorobiphenyl  
 Concen: 96.98 ng  
 RT: 13.79 min Scan# 1718  
 Delta R.T. -0.01 min  
 Lab File: BG027229.D  
 Acq: 6 Jun 2017 1:48

Tgt Ion:172 Resp: 1122799  
 Ion Ratio Lower Upper  
 172 100  
 171 38.7 32.2 48.2  
 170 25.7 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: 49.67 ng

RT: 13.99 min Scan# 1753

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

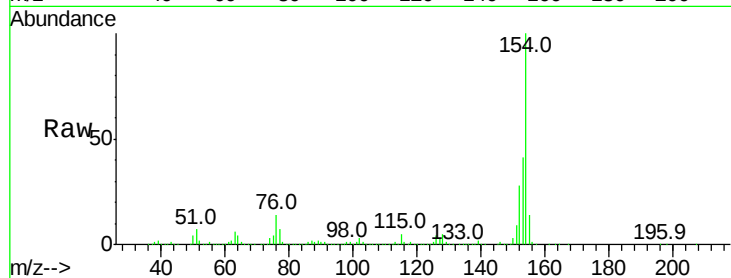
Tot Ion:154 Resp: 656626

Ion Ratio Lower Upper

154 100

153 41.1 23.0 63.0

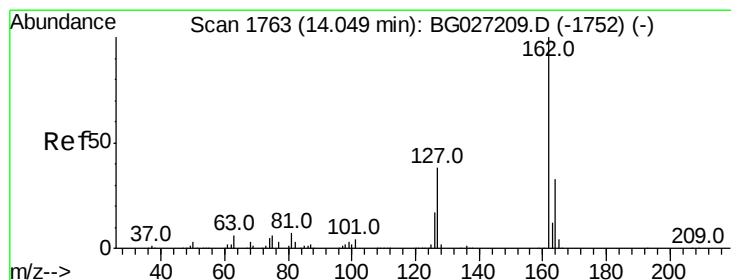
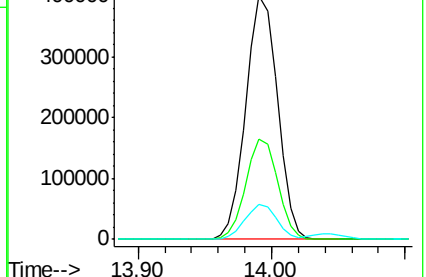
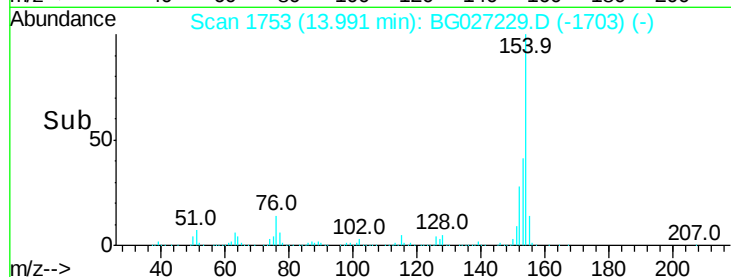
76 14.5 0.0 33.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#46

2-Chloronaphthalene

Concen: 48.96 ng

RT: 14.04 min Scan# 1762

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

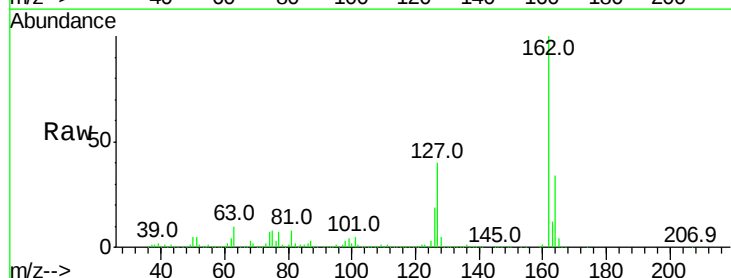
Tgt Ion:162 Resp: 485223

Ion Ratio Lower Upper

162 100

127 40.1 32.2 48.4

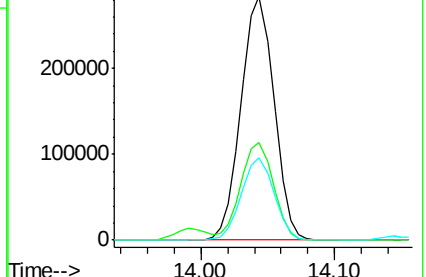
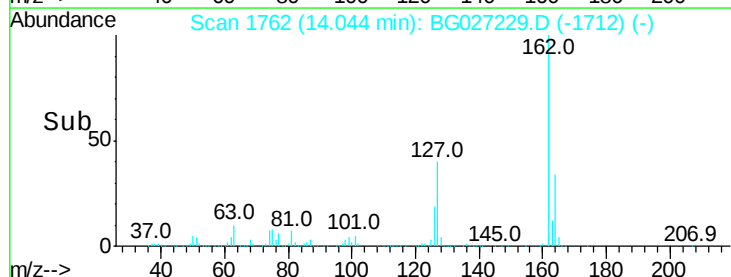
164 34.0 27.3 40.9



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 55.20 ng

RT: 14.23 min Scan# 1794

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

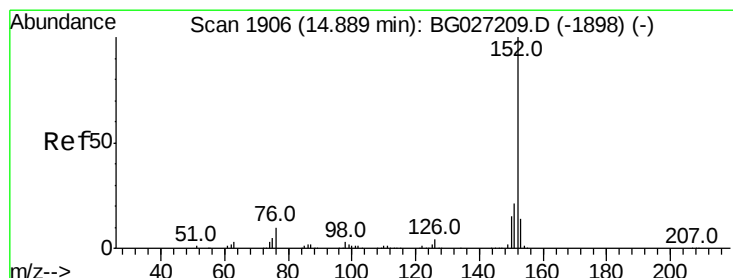
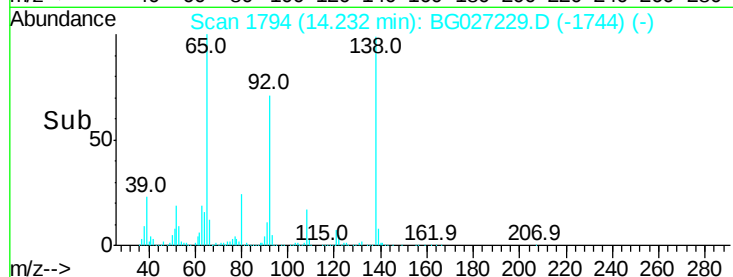
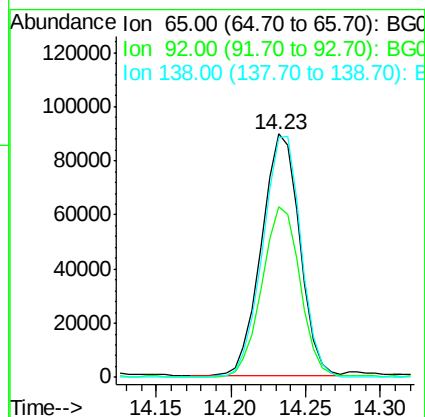
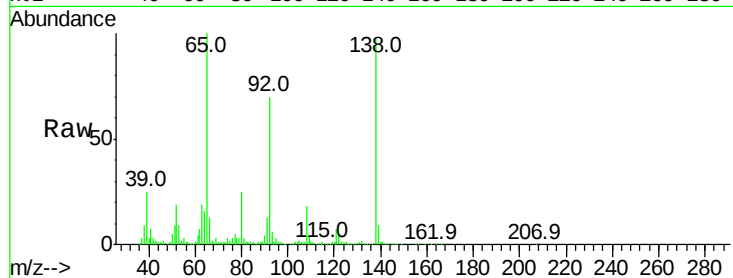
Tot Ion: 65 Resp: 158966

Ion Ratio Lower Upper

65 100

92 70.3 49.0 73.4

138 98.4 58.6 87.8#



#48

Acenaphthylene

Concen: 46.43 ng

RT: 14.88 min Scan# 1905

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

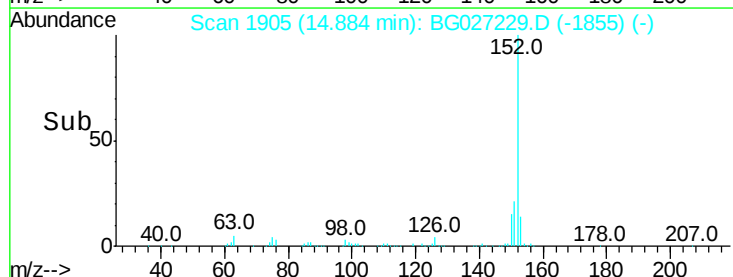
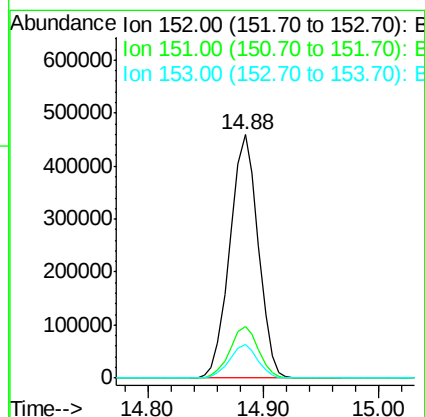
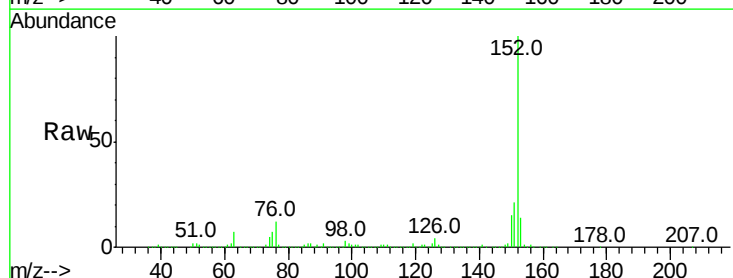
Tgt Ion: 152 Resp: 778818

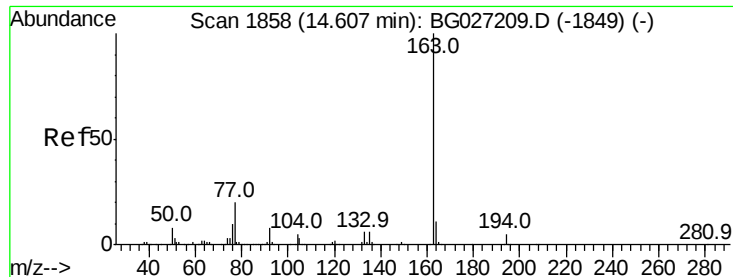
Ion Ratio Lower Upper

152 100

151 21.3 18.2 27.2

153 14.0 11.3 16.9





#49

Dimethylphthalate

Concen: 58.51 ng

RT: 14.60 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

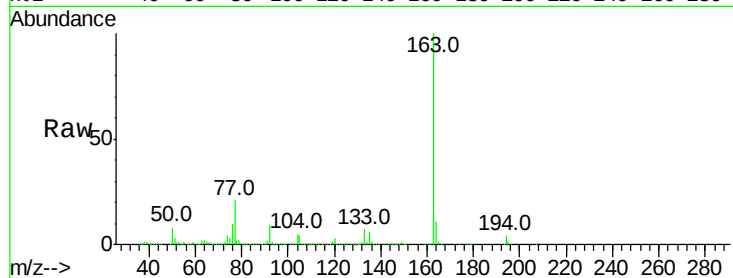
Tot Ion:163 Resp: 751762

Ion Ratio Lower Upper

163 100

194 4.5 3.8 5.6

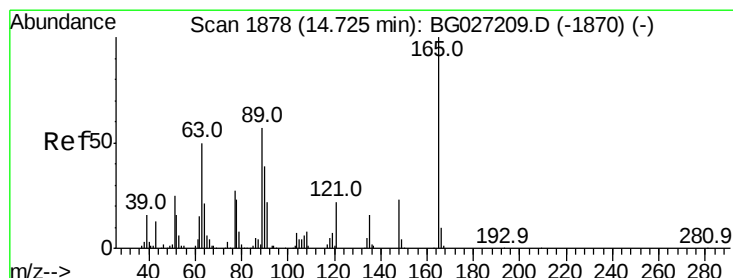
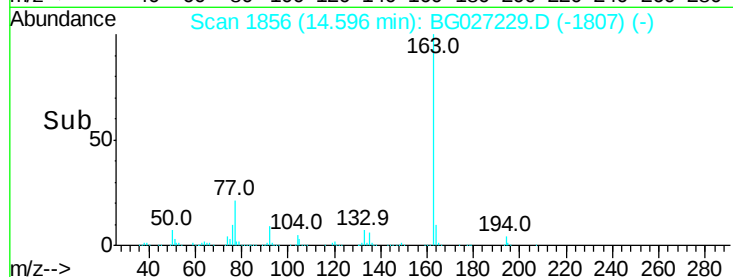
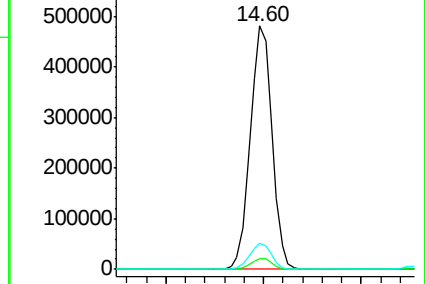
164 10.6 9.3 13.9



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 53.63 ng

RT: 14.72 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

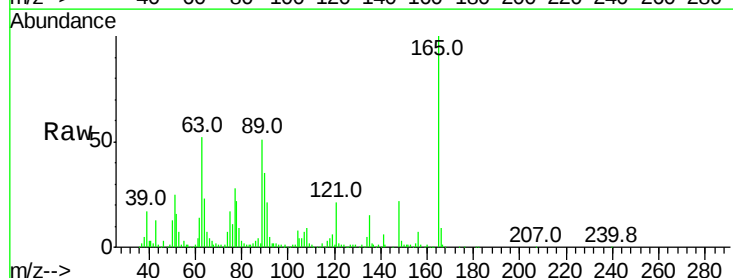
Tgt Ion:165 Resp: 141922

Ion Ratio Lower Upper

165 100

63 51.8 63.9 95.9#

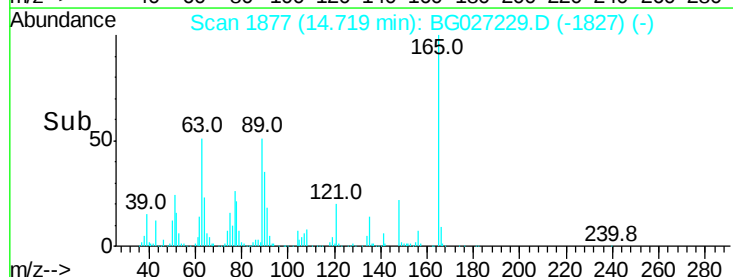
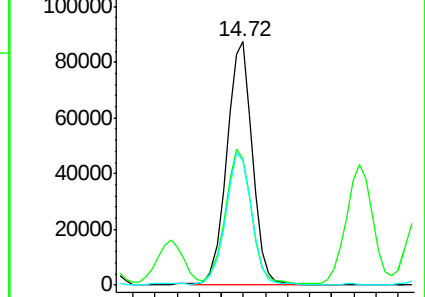
89 51.3 58.6 88.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 49.31 ng

RT: 15.22 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

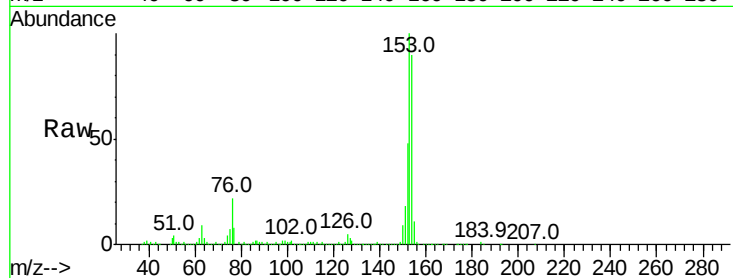
Tot Ion:154 Resp: 538002

Ion Ratio Lower Upper

154 100

153 110.8 87.8 131.6

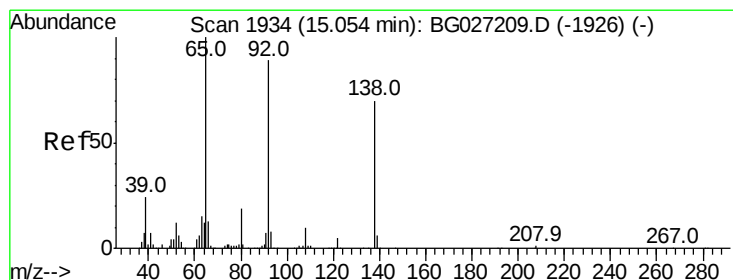
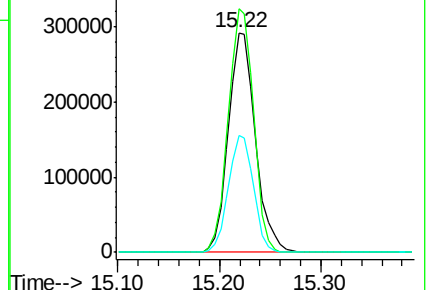
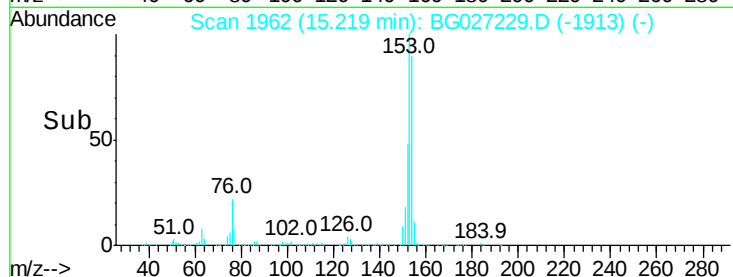
152 53.3 42.2 63.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 25.76 ng

RT: 15.05 min Scan# 1933

Delta R.T. -0.00 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

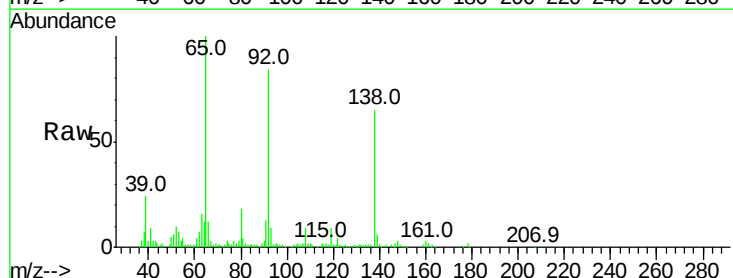
Tgt Ion:138 Resp: 62312

Ion Ratio Lower Upper

138 100

108 13.6 10.9 16.3

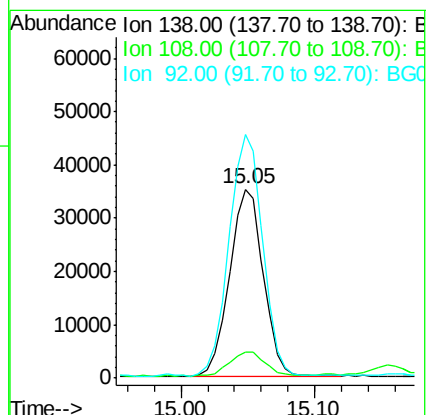
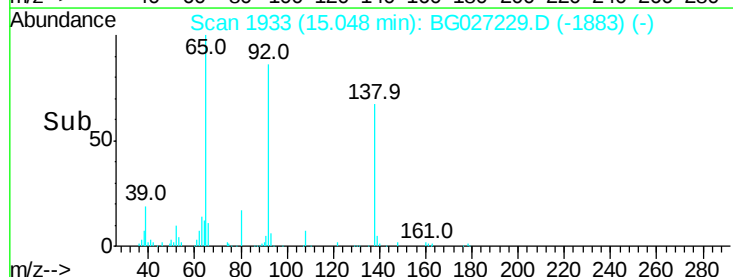
92 128.8 115.3 172.9



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

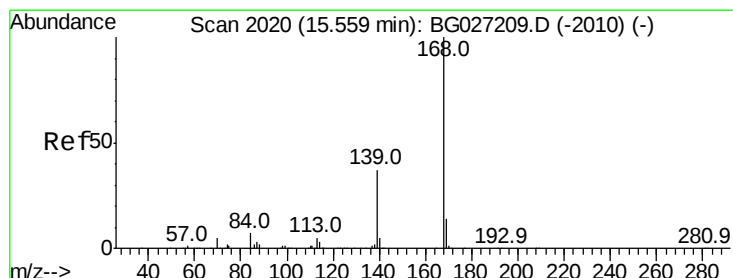
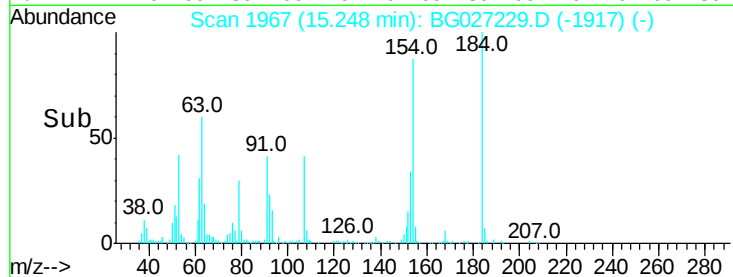
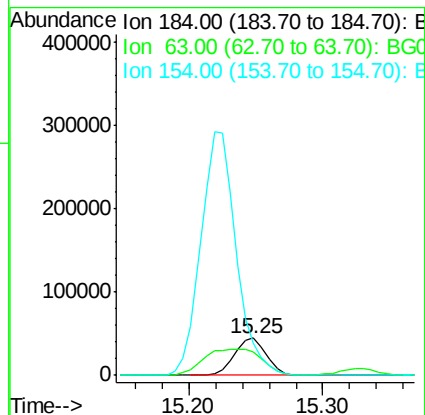
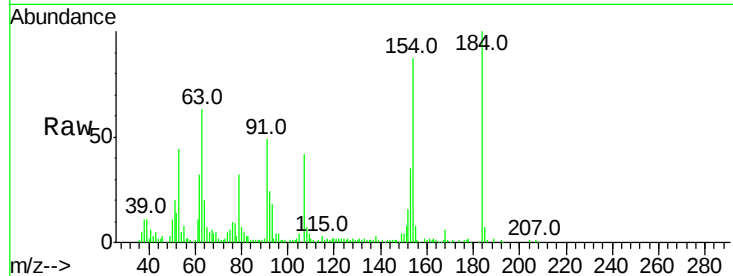




#53  
2,4-Dinitrophenol  
Concen: 65.04 ng  
RT: 15.25 min Scan# 1967  
Delta R.T. -0.00 min  
Lab File: BG027229.D  
Acq: 6 Jun 2017 1:48

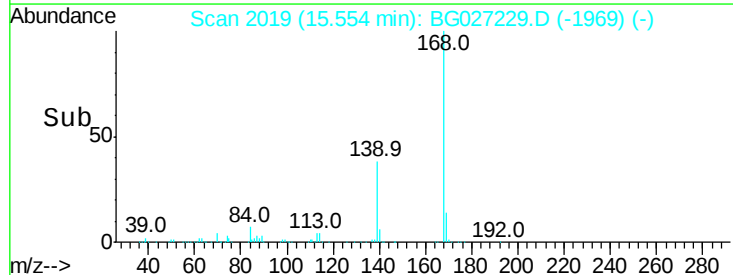
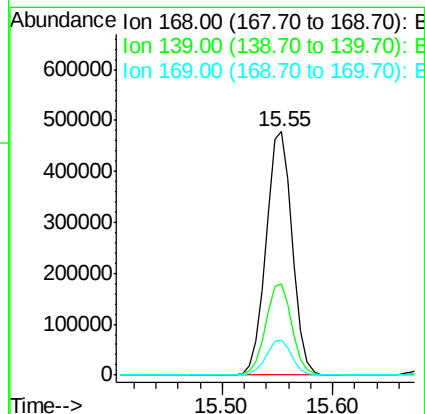
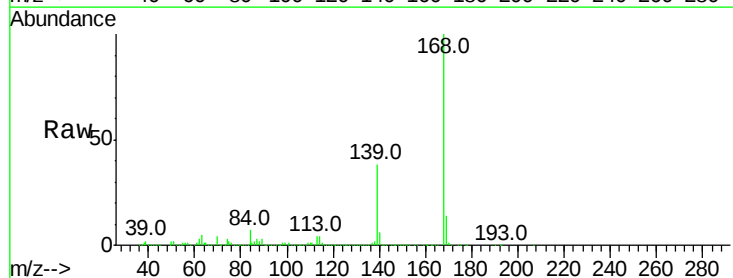
Instrument :  
BNA\_G  
ClientSampleId :  
S22-0025MSD

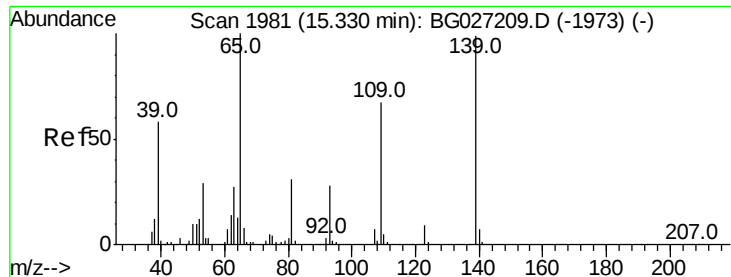
Tot Ion:184 Resp: 74661  
Ion Ratio Lower Upper  
184 100  
63 63.0 52.7 79.1  
154 87.1 57.3 85.9#



#54  
Dibenzofuran  
Concen: 51.93 ng  
RT: 15.55 min Scan# 2019  
Delta R.T. -0.01 min  
Lab File: BG027229.D  
Acq: 6 Jun 2017 1:48

Tgt Ion:168 Resp: 791845  
Ion Ratio Lower Upper  
168 100  
139 37.5 35.3 52.9  
169 14.1 11.5 17.3

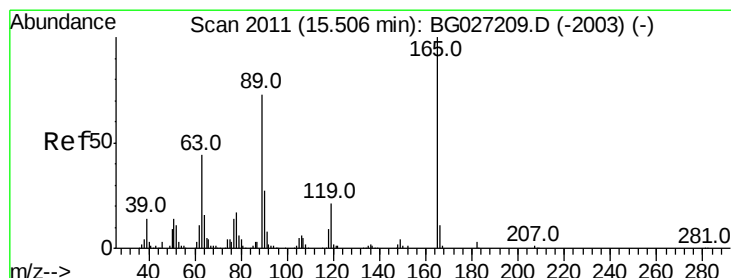
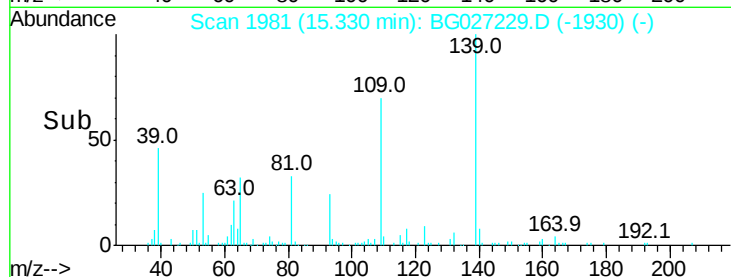
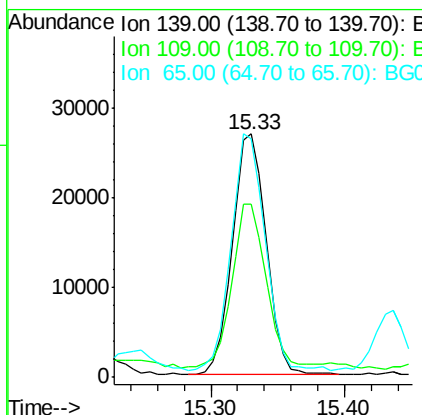
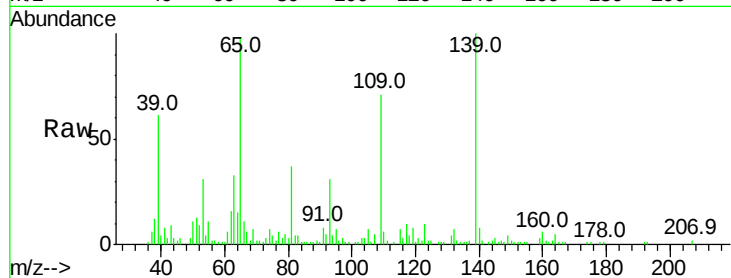




#55  
4-Nitrophenol  
Concen: 24.05 ng  
RT: 15.33 min Scan# 1981  
Delta R.T. 0.00 min  
Lab File: BG027229.D  
Acq: 6 Jun 2017 1:48

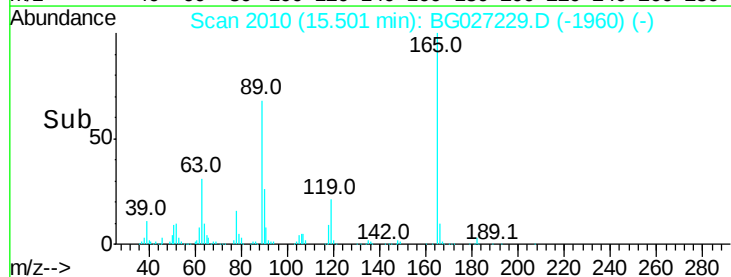
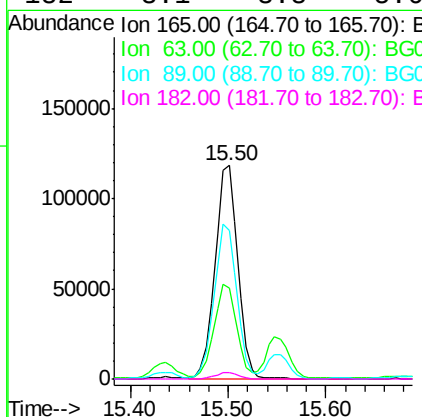
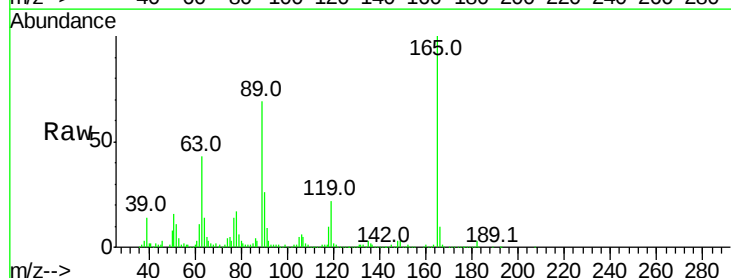
Instrument :  
BNA\_G  
ClientSampleId :  
S22-0025MSD

Tot Ion:139 Resp: 47109  
Ion Ratio Lower Upper  
139 100  
109 71.2 101.2 141.2#  
65 98.2 135.3 175.3#



#56  
2,4-Dinitrotoluene  
Concen: 55.89 ng  
RT: 15.50 min Scan# 2010  
Delta R.T. -0.01 min  
Lab File: BG027229.D  
Acq: 6 Jun 2017 1:48

Tgt Ion:165 Resp: 191112  
Ion Ratio Lower Upper  
165 100  
63 42.8 44.0 66.0#  
89 69.3 67.3 100.9  
182 3.1 3.8 5.6#





#57

Fluorene

Concen: 47.58 ng

RT: 16.20 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

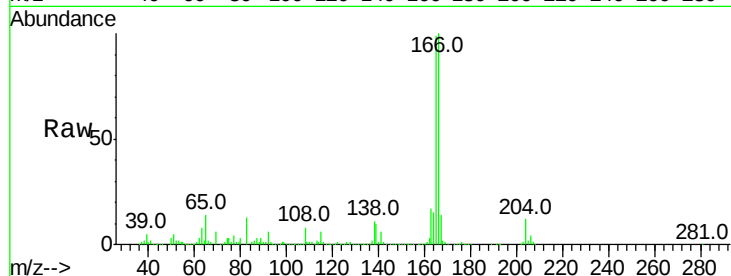
Tot Ion:166 Resp: 644382

Ion Ratio Lower Upper

166 100

165 98.7 78.6 117.8

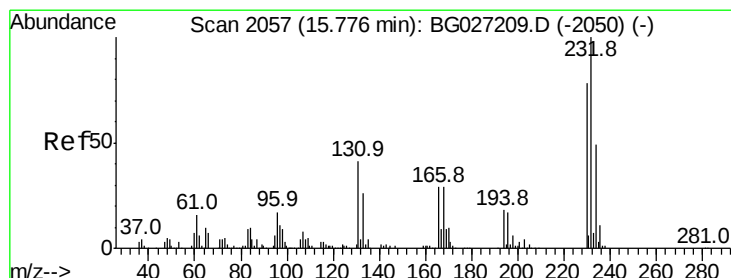
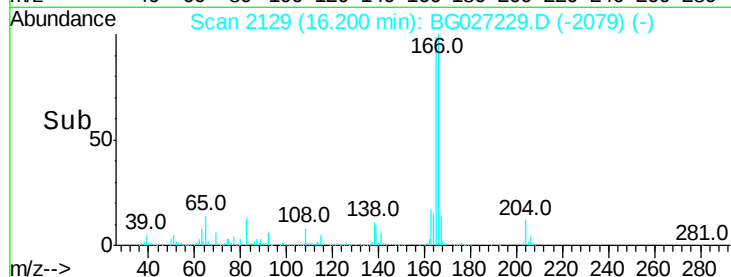
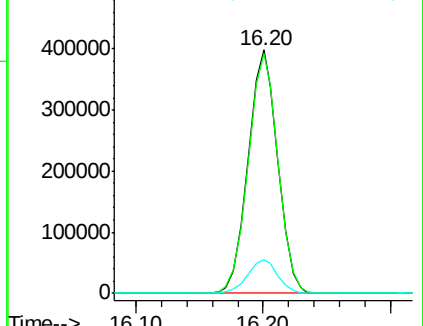
167 13.8 11.6 17.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 29.96 ng

RT: 15.68 min Scan# 2041

Delta R.T. -0.09 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Tgt Ion:232 Resp: 91593

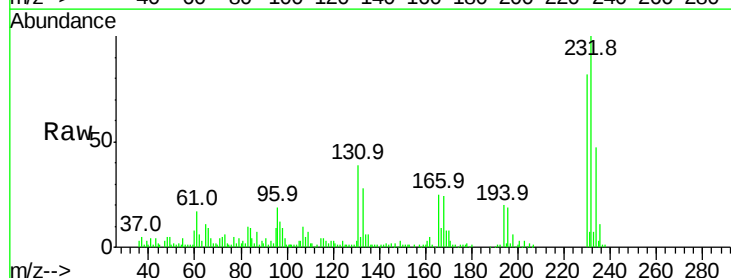
Ion Ratio Lower Upper

232 100

131 38.9 34.9 52.3

130 3.3 2.3 3.5

166 24.6 24.2 36.4

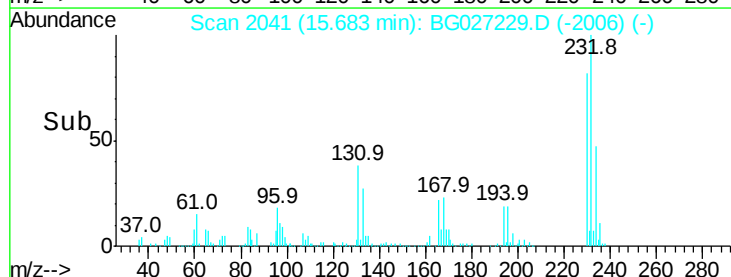
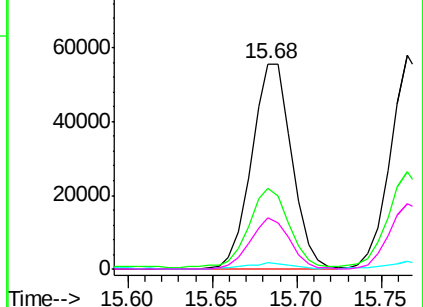


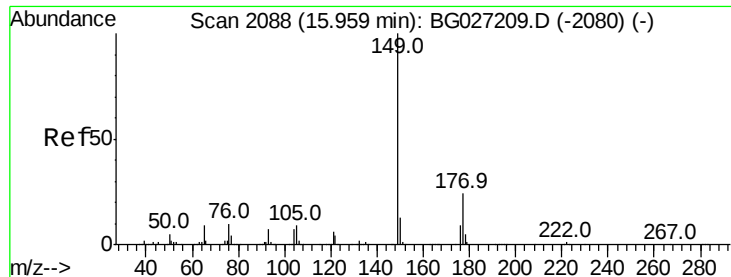
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

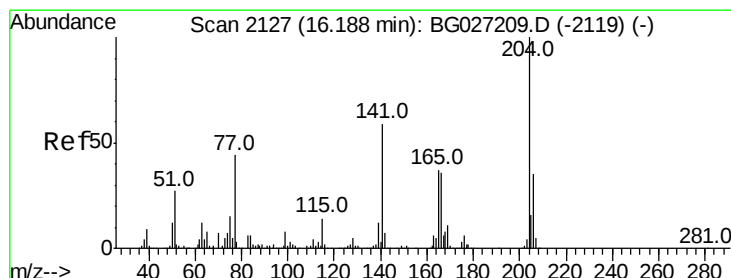
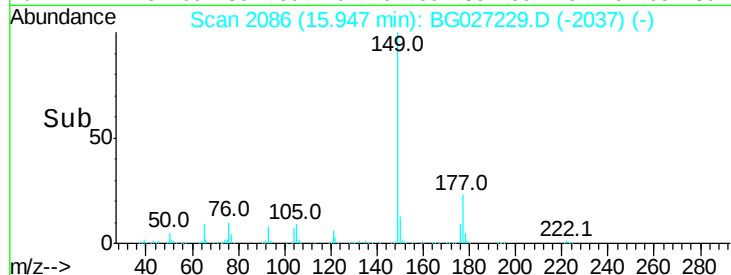
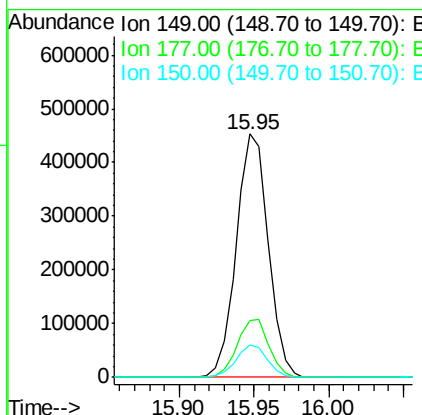
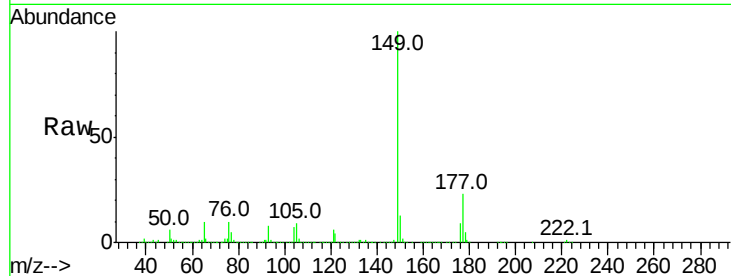




#59  
Diethylphthalate  
Concen: 52.31 ng  
RT: 15.95 min Scan# 2086  
Delta R.T. -0.01 min  
Lab File: BG027229.D  
Acq: 6 Jun 2017 1:48

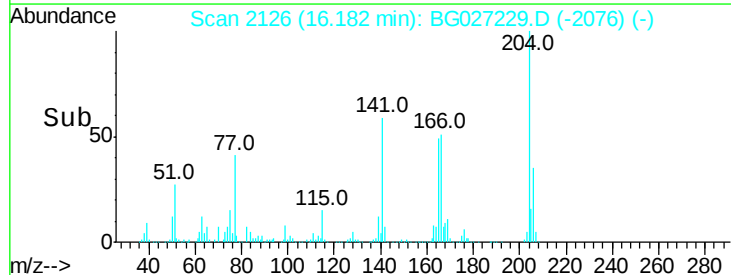
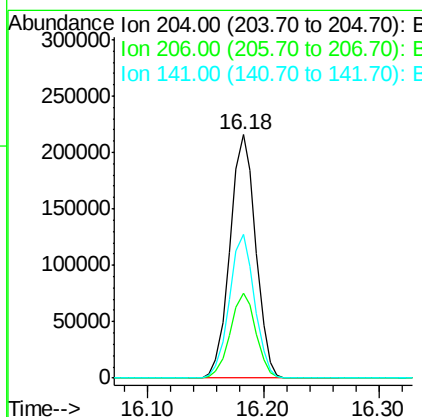
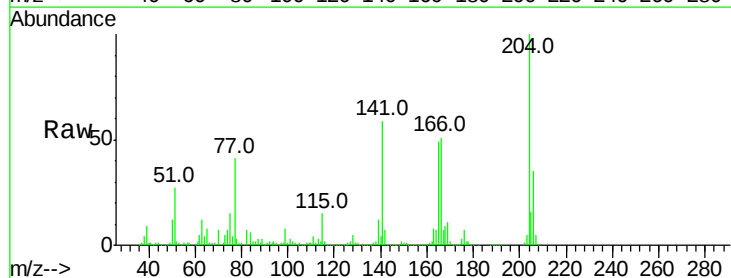
Instrument :  
BNA\_G  
ClientSampleId :  
S22-0025MSD

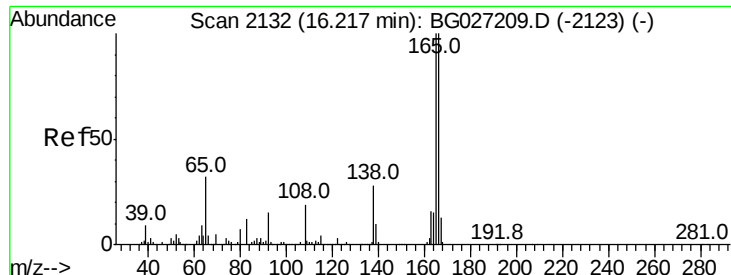
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 23.4  | 20.1  | 30.1  |
| 150     | 13.3  | 10.2  | 15.2  |



#60  
4-Chlorophenyl-phenylether  
Concen: 48.72 ng  
RT: 16.18 min Scan# 2126  
Delta R.T. -0.01 min  
Lab File: BG027229.D  
Acq: 6 Jun 2017 1:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 35.0  | 30.1  | 45.1  |
| 141     | 59.1  | 50.6  | 76.0  |

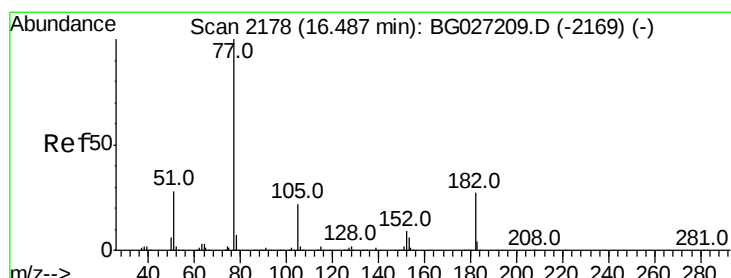
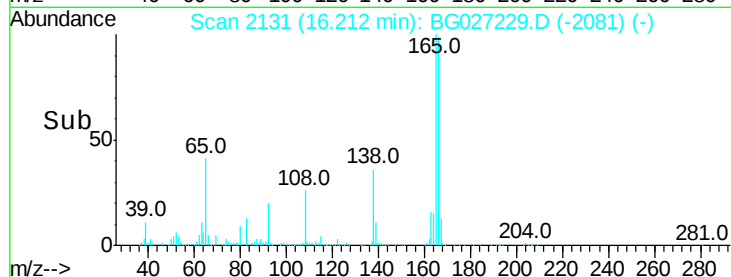
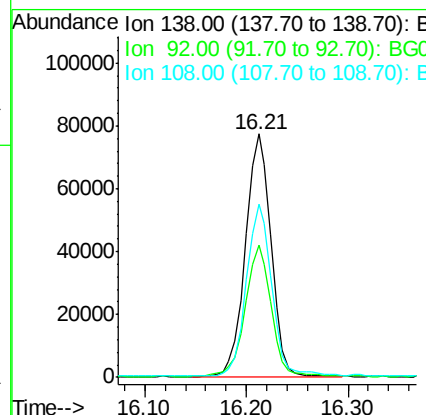
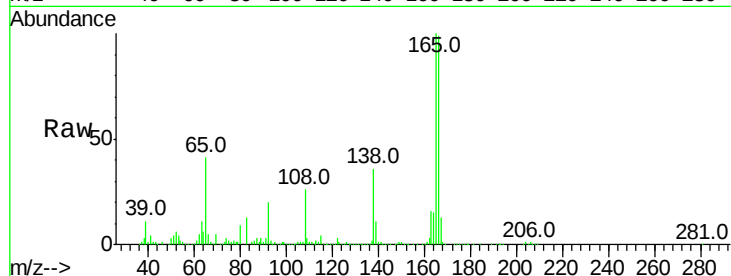




#61  
4-Nitroaniline  
Concen: 48.75 ng  
RT: 16.21 min Scan# 2131  
Delta R.T. -0.01 min  
Lab File: BG027229.D  
Acq: 6 Jun 2017 1:48

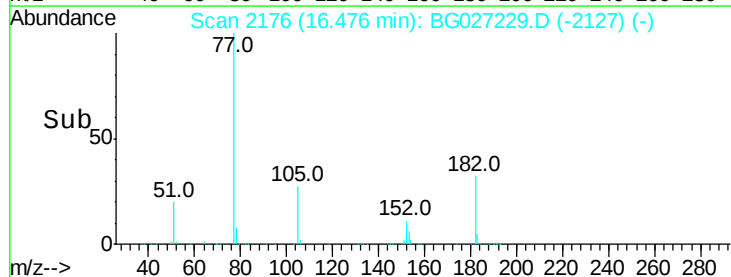
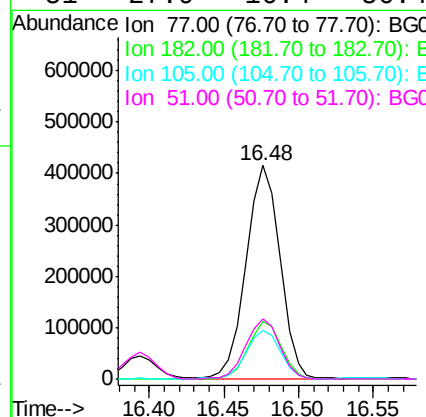
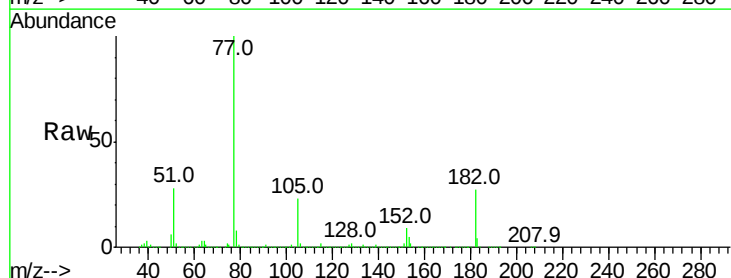
Instrument :  
BNA\_G  
ClientSampleId :  
S22-0025MSD

Tot Ion:138 Resp: 135348  
Ion Ratio Lower Upper  
138 100  
92 54.5 44.2 84.2  
108 71.3 104.8 144.8#



#62  
Azobenzene  
Concen: 54.48 ng  
RT: 16.48 min Scan# 2176  
Delta R.T. -0.01 min  
Lab File: BG027229.D  
Acq: 6 Jun 2017 1:48

Tgt Ion: 77 Resp: 647119  
Ion Ratio Lower Upper  
77 100  
182 26.8 4.7 44.7  
105 22.6 0.0 36.3  
51 27.9 16.4 56.4

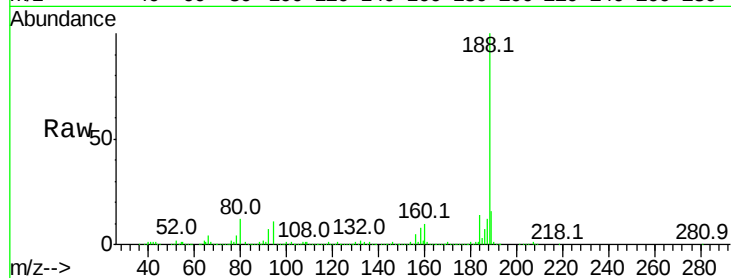




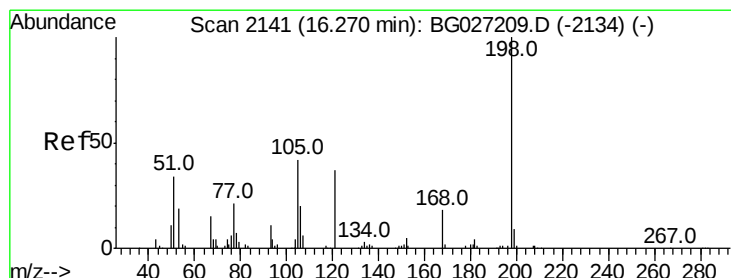
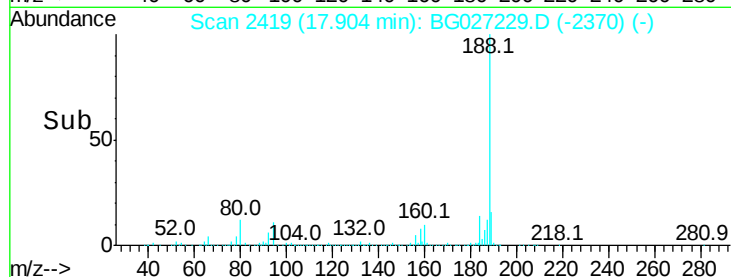
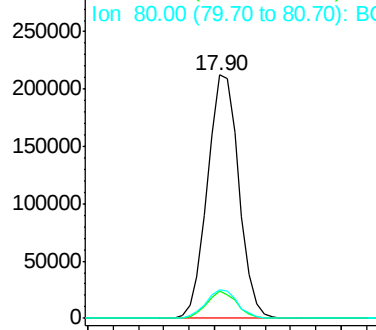
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.90 min Scan# 2419  
Delta R.T. -0.01 min  
Lab File: BG027229.D  
Acq: 6 Jun 2017 1:48

Instrument :  
BNA\_G  
ClientSampled :  
S22-0025MSD

Tot Ion:188 Resp: 362717  
Ion Ratio Lower Upper  
188 100  
94 11.1 5.8 8.8#  
80 12.0 7.5 11.3#

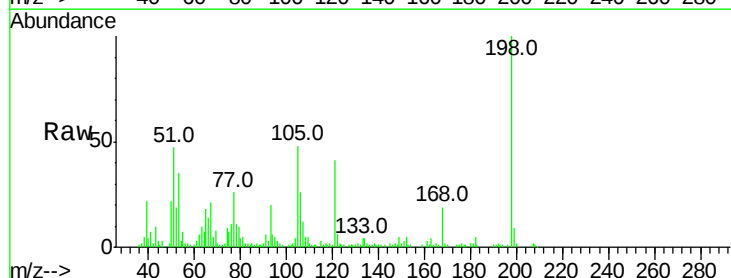


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

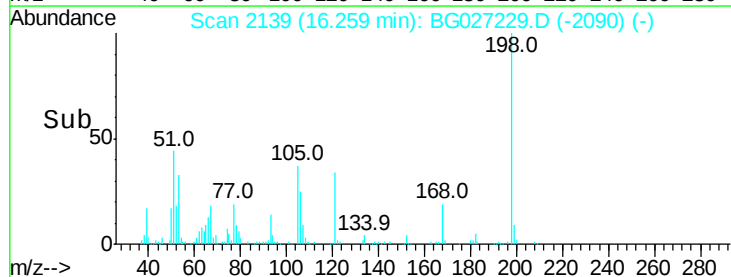
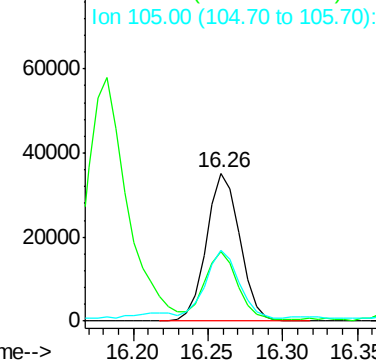


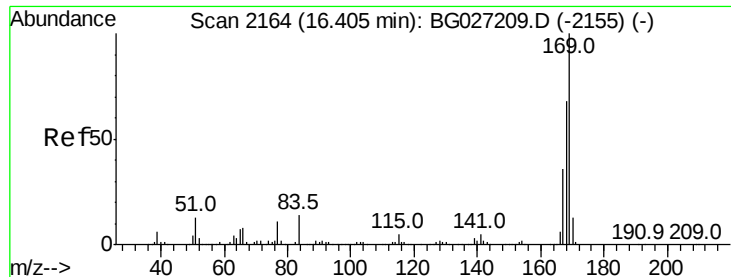
#64  
4,6-Dinitro-2-methylphenol  
Concen: 37.16 ng  
RT: 16.26 min Scan# 2139  
Delta R.T. -0.01 min  
Lab File: BG027229.D  
Acq: 6 Jun 2017 1:48

Tgt Ion:198 Resp: 54443  
Ion Ratio Lower Upper  
198 100  
51 46.9 22.6 62.6  
105 47.7 14.4 54.4



Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BGC  
Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 51.07 ng

RT: 16.39 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

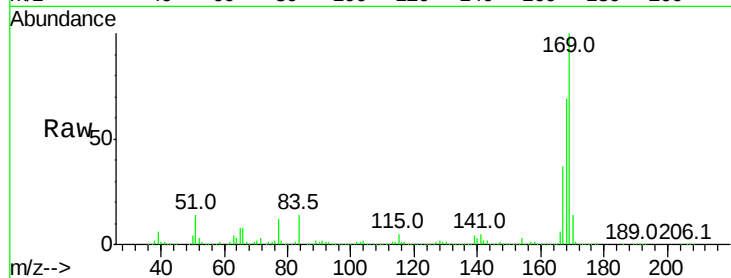
Tot Ion:169 Resp: 580738

Ion Ratio Lower Upper

169 100

168 69.0 55.7 83.5

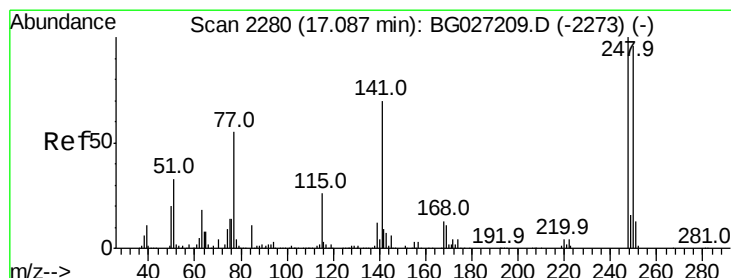
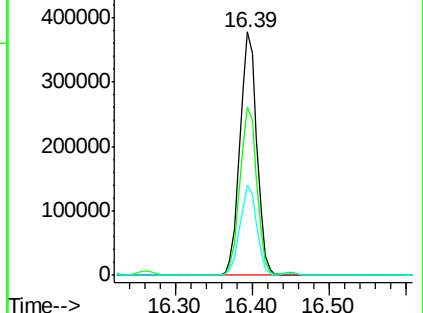
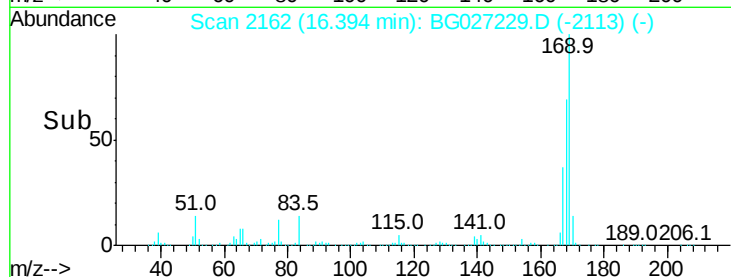
167 36.7 29.8 44.6



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 51.46 ng

RT: 17.08 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

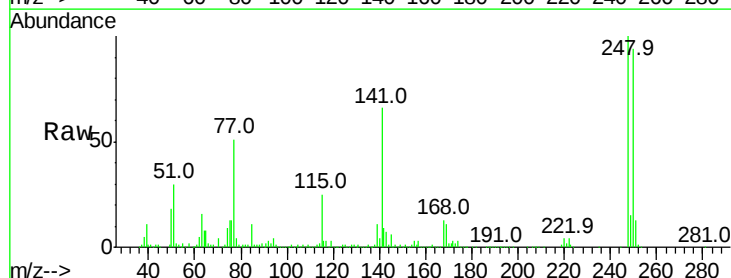
Tgt Ion:248 Resp: 220908

Ion Ratio Lower Upper

248 100

250 94.4 75.0 112.6

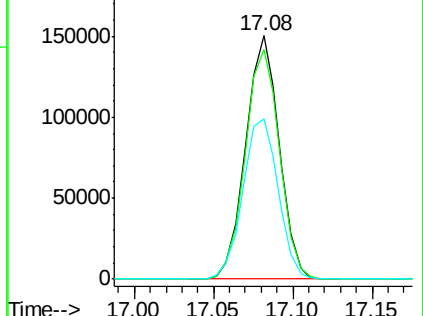
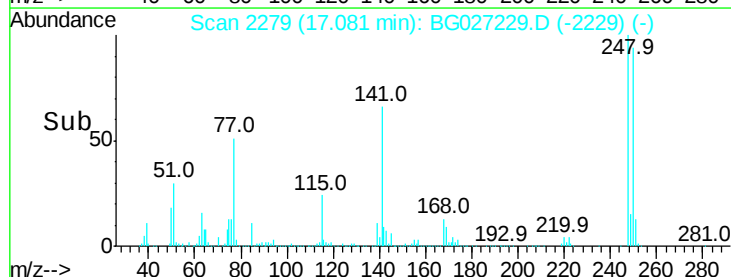
141 66.0 55.2 82.8

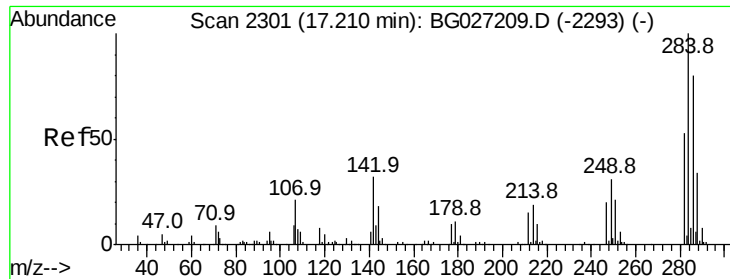


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 50.81 ng

RT: 17.20 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

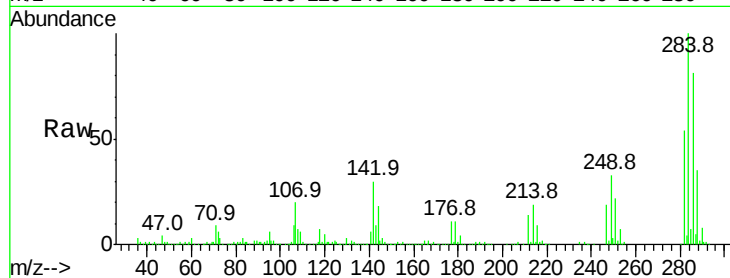
Tot Ion:284 Resp: 234632

Ion Ratio Lower Upper

284 100

142 30.5 29.9 44.9

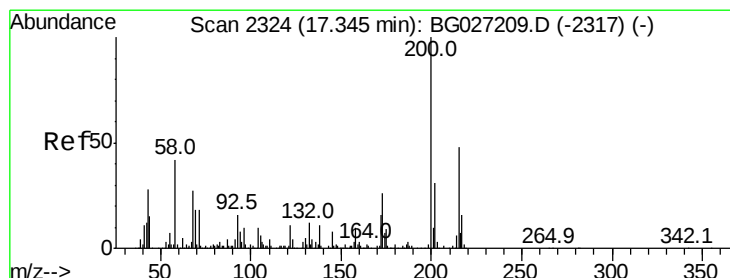
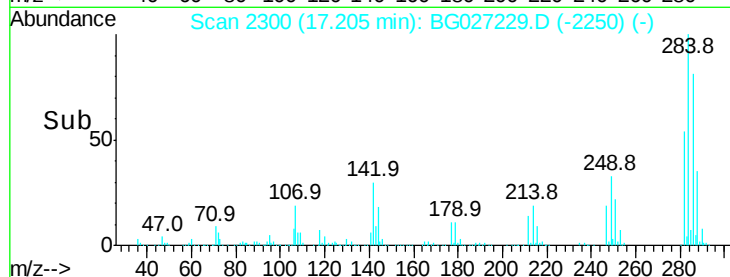
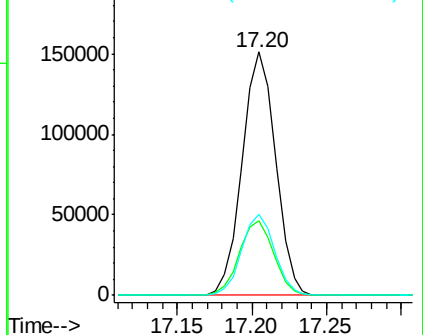
249 33.4 29.2 43.8



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: 53.89 ng

RT: 17.34 min Scan# 2323

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

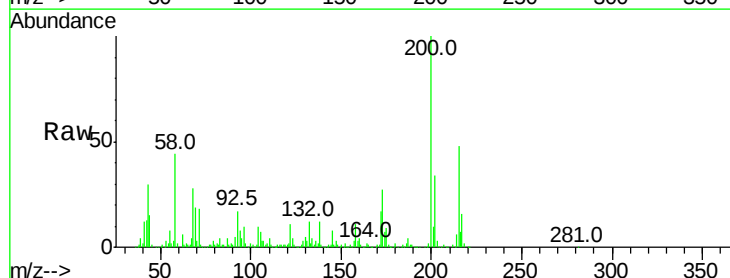
Tgt Ion:200 Resp: 204908

Ion Ratio Lower Upper

200 100

173 27.1 3.0 43.0

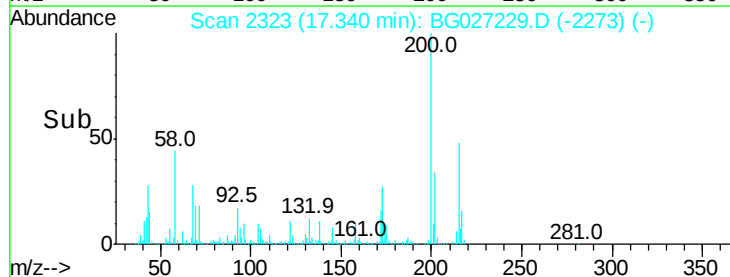
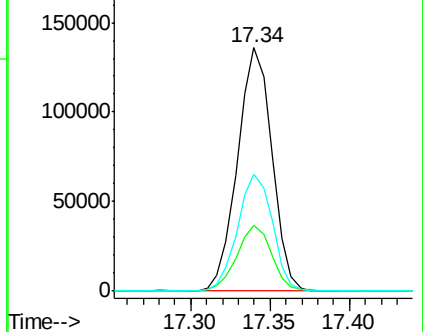
215 47.8 28.4 68.4

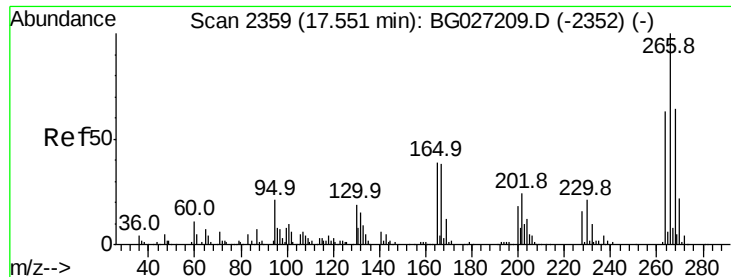


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 58.74 ng

RT: 17.55 min Scan# 2358

Delta R.T. -0.00 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

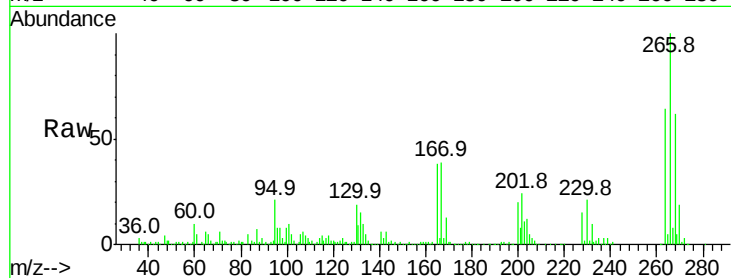
Tot Ion:266 Resp: 158980

Ion Ratio Lower Upper

266 100

268 62.1 48.6 72.8

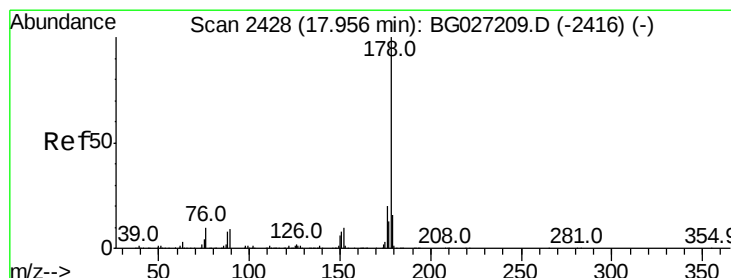
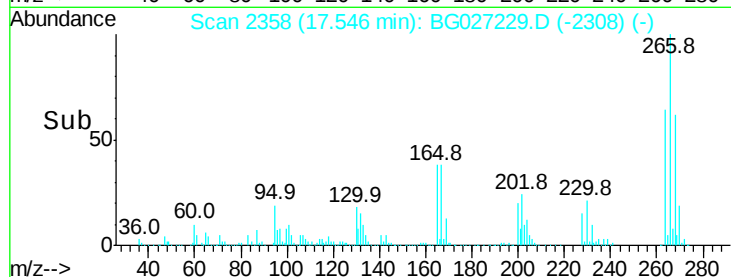
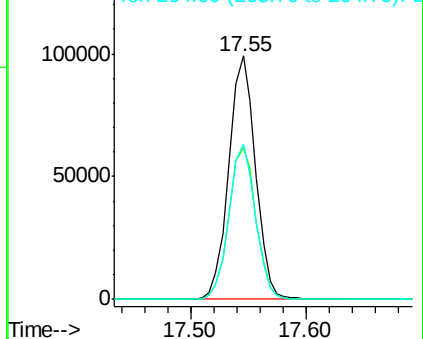
264 63.7 50.1 75.1



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: 49.76 ng

RT: 17.95 min Scan# 2427

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

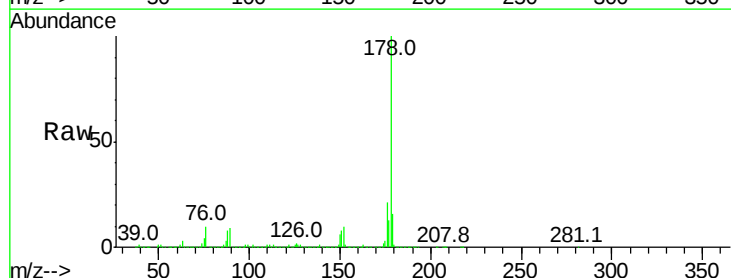
Tgt Ion:178 Resp: 1015470

Ion Ratio Lower Upper

178 100

176 20.8 17.7 26.5

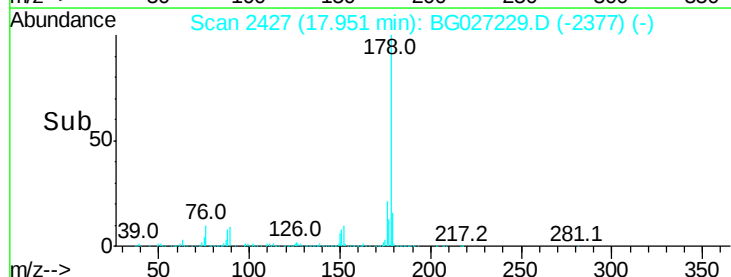
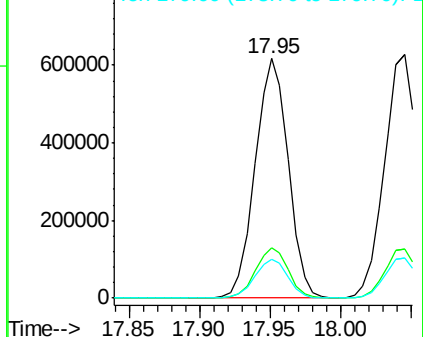
179 16.5 15.0 22.6



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



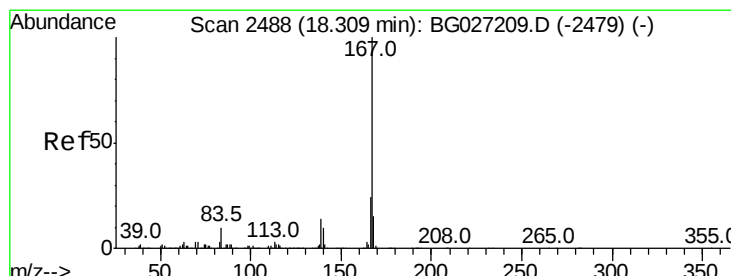
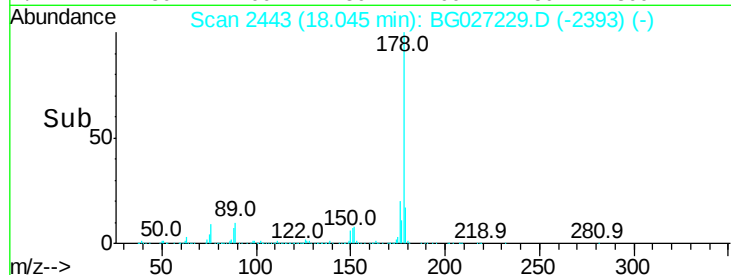
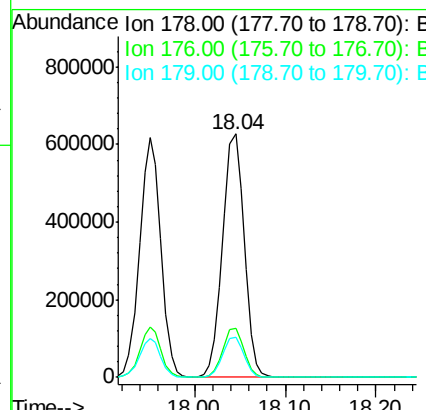
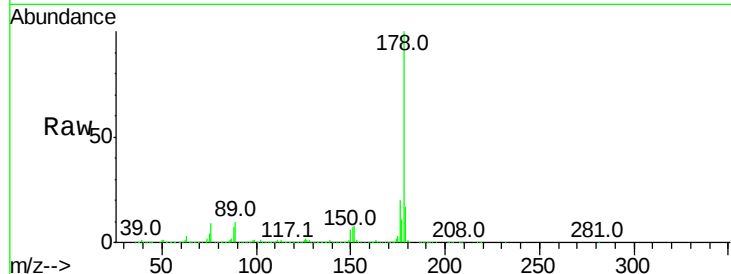


#71  
 Anthracene  
 Concen: 50.77 ng  
 RT: 18.04 min Scan# 2443  
 Delta R.T. -0.01 min  
 Lab File: BG027229.D  
 Acq: 6 Jun 2017 1:48

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S22-0025MSD

Tot Ion:178 Resp: 1038067  

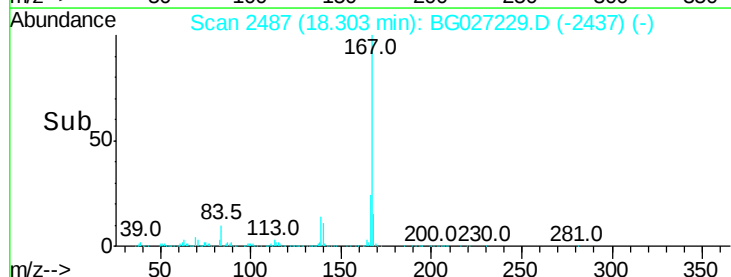
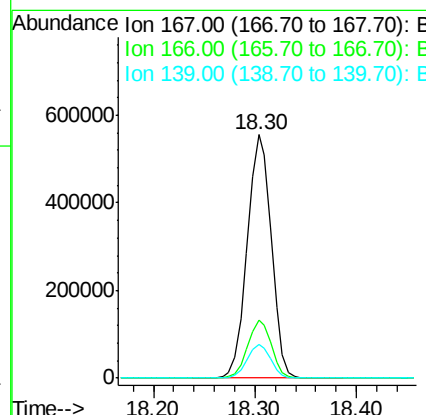
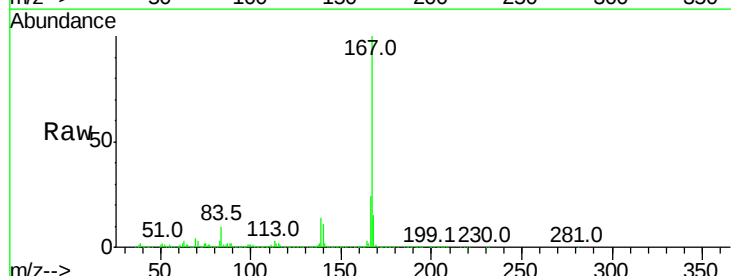
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 20.1  | 16.4  | 24.6  |
| 179 | 16.6  | 13.8  | 20.8  |

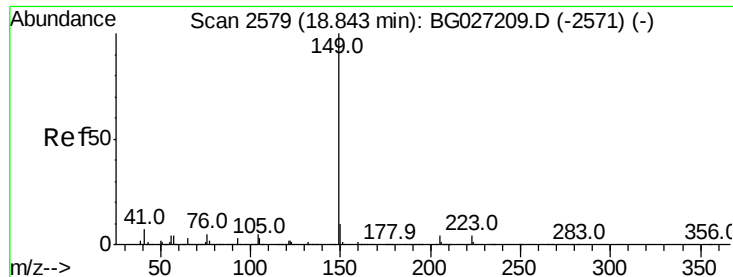


#72  
 Carbazole  
 Concen: 47.38 ng  
 RT: 18.30 min Scan# 2487  
 Delta R.T. -0.01 min  
 Lab File: BG027229.D  
 Acq: 6 Jun 2017 1:48

Tgt Ion:167 Resp: 913678  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 23.6  | 20.2  | 30.2  |
| 139 | 14.1  | 12.8  | 19.2  |

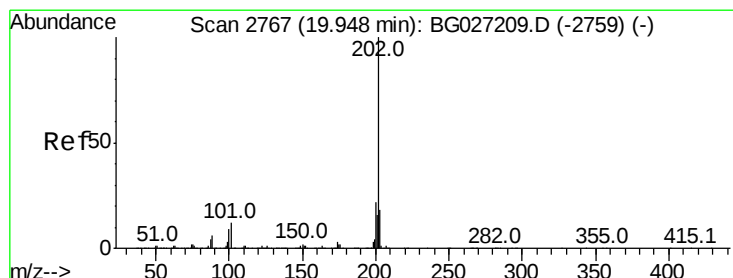
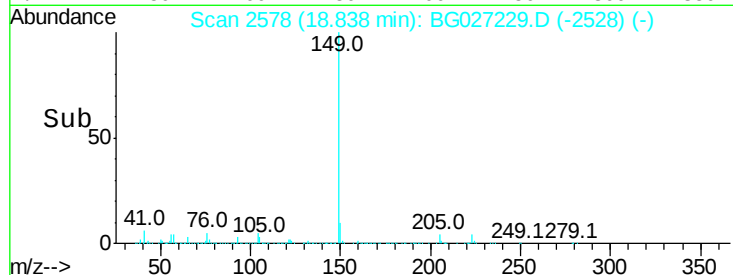
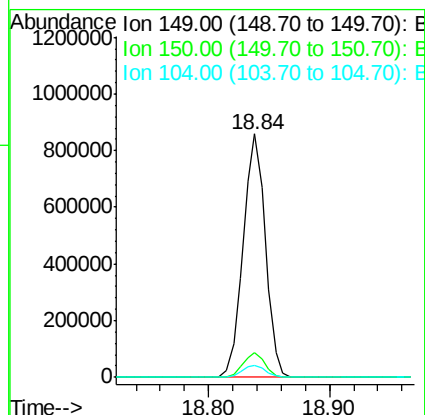
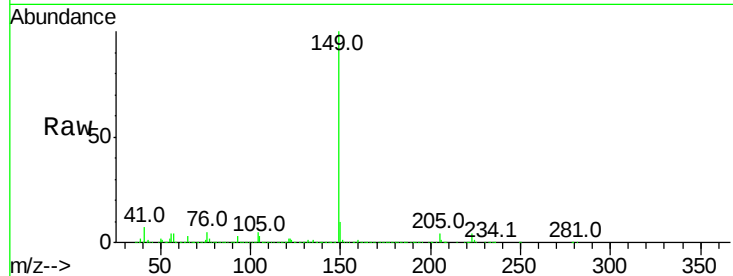




#73  
Di-n-butylphthalate  
Concen: 59.12 ng  
RT: 18.84 min Scan# 2578  
Delta R.T. -0.01 min  
Lab File: BG027229.D  
Acq: 6 Jun 2017 1:48

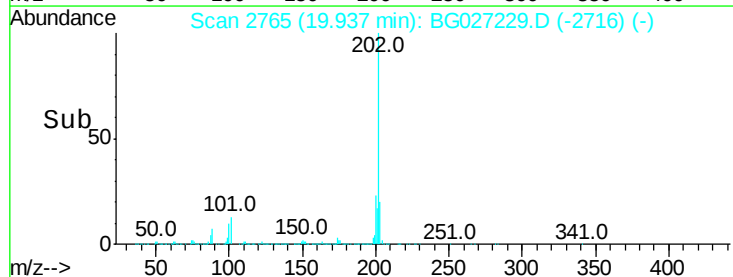
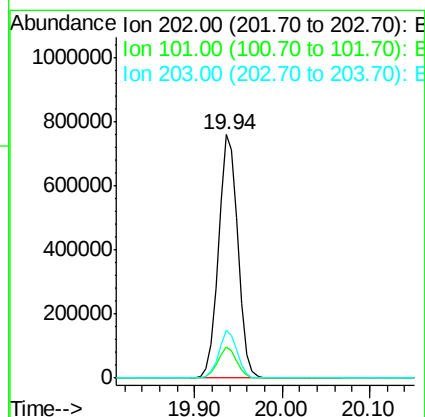
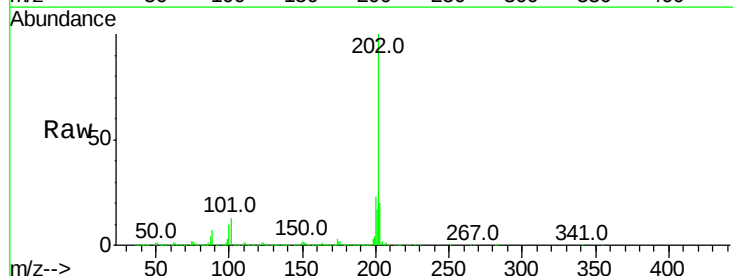
Instrument :  
BNA\_G  
ClientSampleId :  
S22-0025MSD

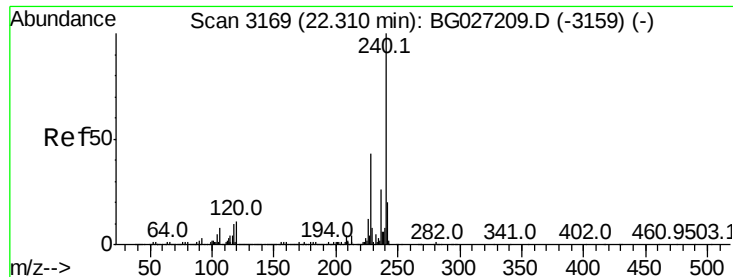
Tot Ion:149 Resp: 1105462  
Ion Ratio Lower Upper  
149 100  
150 9.9 9.1 13.7  
104 5.1 6.7 10.1#



#74  
Fluoranthene  
Concen: 53.09 ng  
RT: 19.94 min Scan# 2765  
Delta R.T. -0.01 min  
Lab File: BG027229.D  
Acq: 6 Jun 2017 1:48

Tgt Ion:202 Resp: 1157357  
Ion Ratio Lower Upper  
202 100  
101 12.7 0.0 30.1  
203 19.5 1.3 41.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.30 min Scan# 3167

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

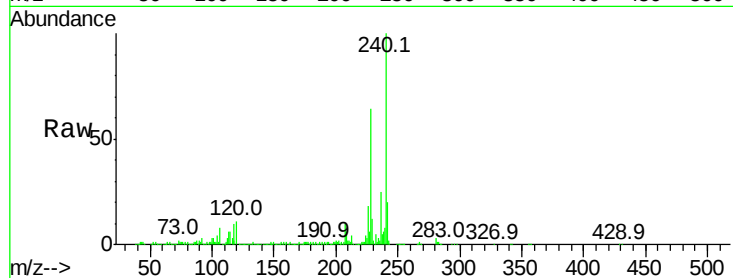
Tot Ion:240 Resp: 412935

Ion Ratio Lower Upper

240 100

120 10.7 5.7 8.5#

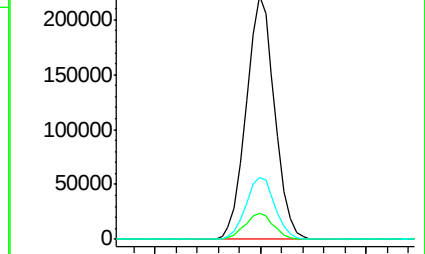
236 25.5 22.2 33.4



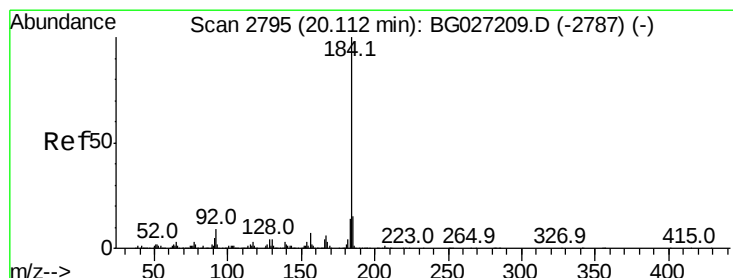
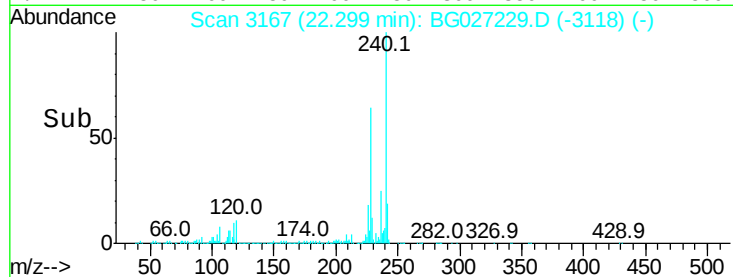
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 22.20 22.30 22.40



#76

Benzidine

Concen: 10.58 ng

RT: 20.11 min Scan# 2794

Delta R.T. -0.00 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

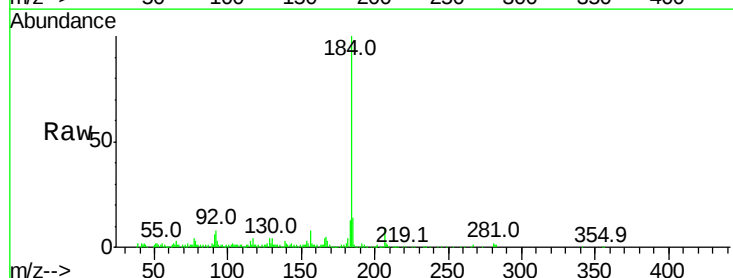
Tgt Ion:184 Resp: 131581

Ion Ratio Lower Upper

184 100

185 14.5 13.0 19.6

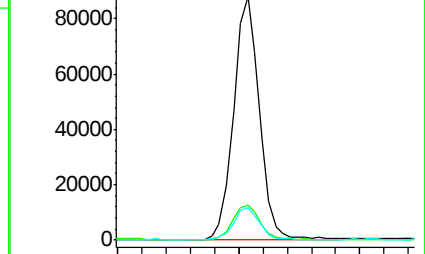
183 13.2 11.0 16.6



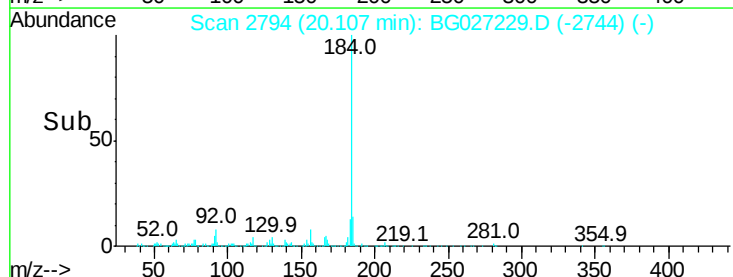
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time--> 20.00 20.10 20.20





#77

Pvrene

Concen: 47.28 ng

RT: 20.30 min Scan# 2827

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

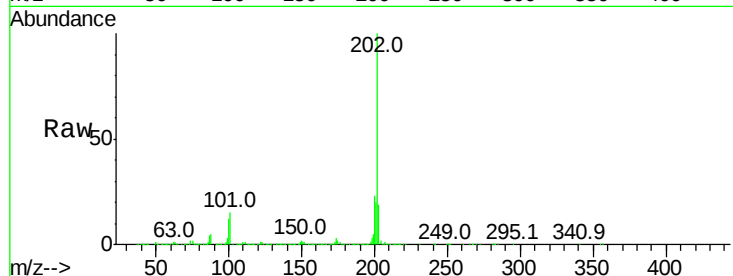
Tot Ion:202 Resp: 1179733

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 23.3  | 19.6  | 29.4  |
| 203 | 18.8  | 15.8  | 23.8  |

202 100

200 23.3 19.6 29.4

203 18.8 15.8 23.8

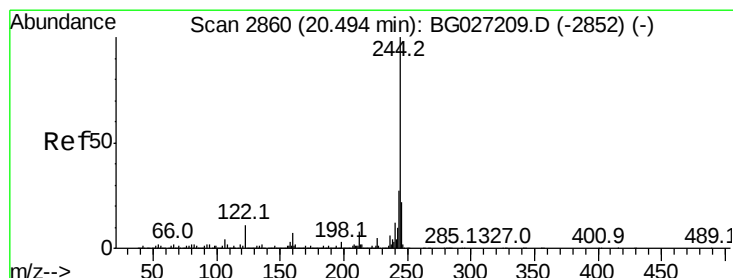
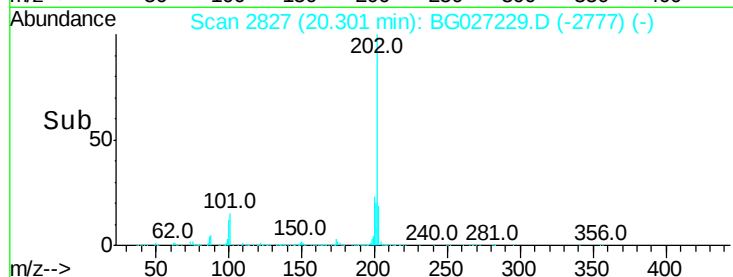
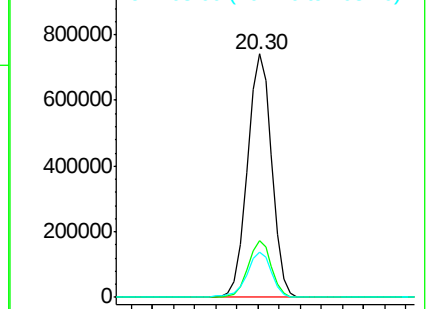


Abundance

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: 96.45 ng

RT: 20.48 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

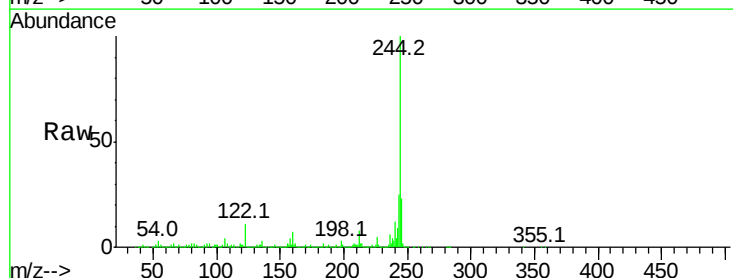
Tgt Ion:244 Resp: 1561332

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.3   | 10.0  | 15.0# |
| 122 | 11.5  | 8.6   | 12.8  |

244 100

212 8.3 10.0 15.0#

122 11.5 8.6 12.8

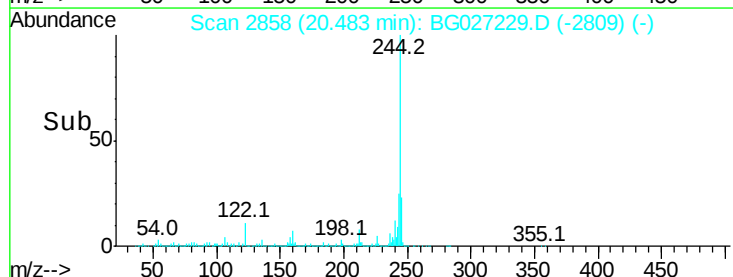
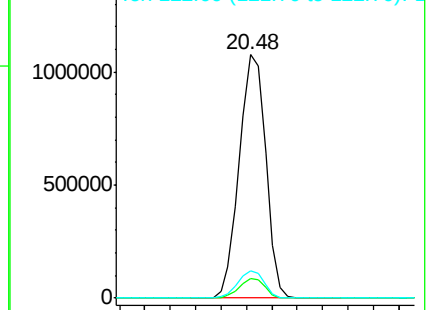


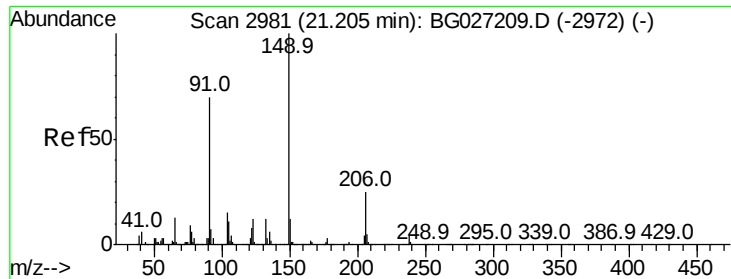
Abundance

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

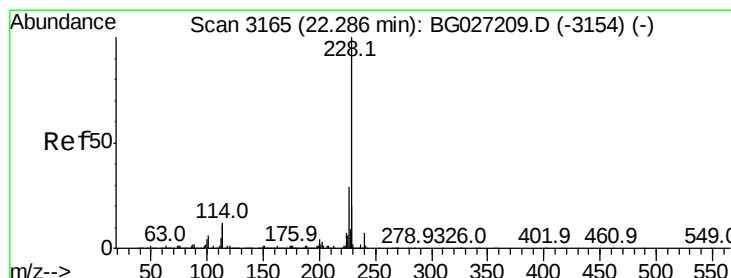
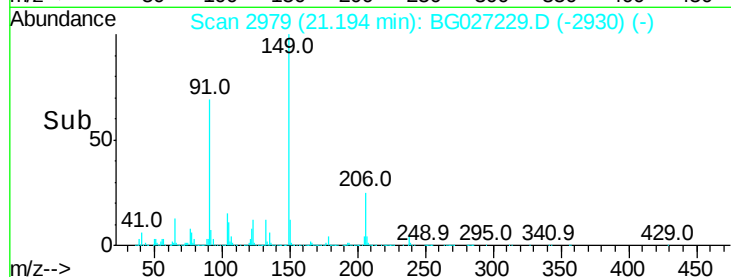
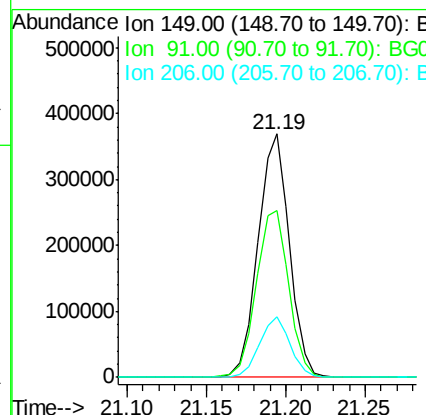
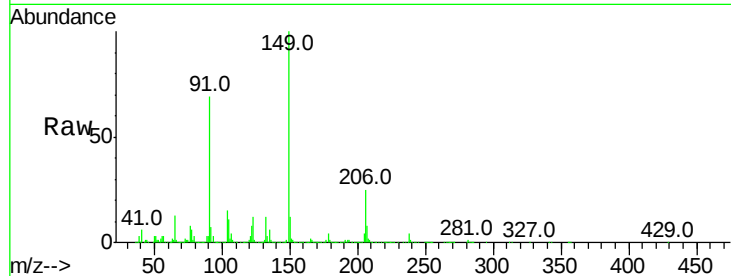




#79  
Butylbenzylphthalate  
Concen: 57.15 ng  
RT: 21.19 min Scan# 2979  
Delta R.T. -0.01 min  
Lab File: BG027229.D  
Acq: 6 Jun 2017 1:48

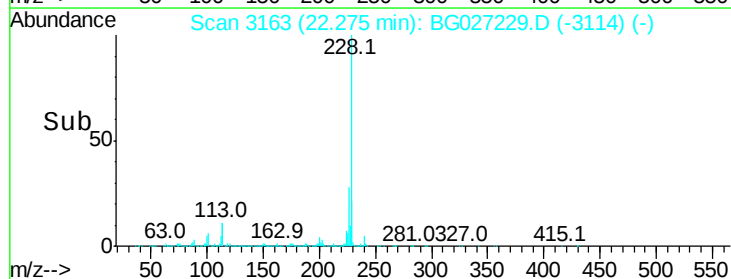
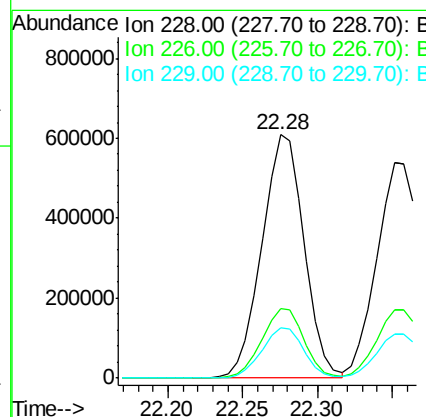
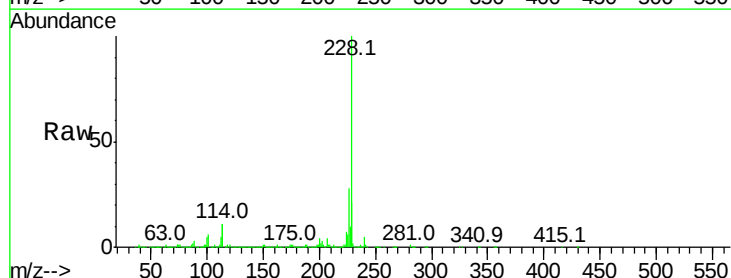
Instrument :  
BNA\_G  
ClientSampleId :  
S22-0025MSD

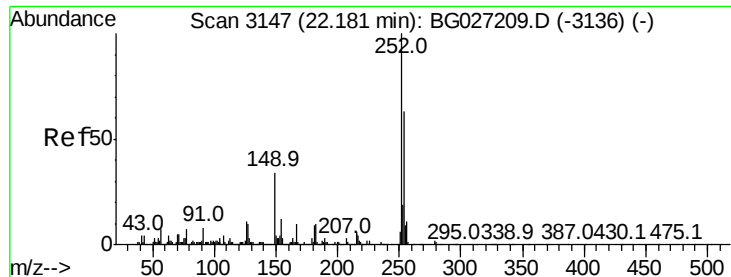
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 68.8  | 63.5  | 95.3  |
| 206     | 24.7  | 21.0  | 31.6  |



#80  
Benzo(a)anthracene  
Concen: 50.69 ng  
RT: 22.28 min Scan# 3163  
Delta R.T. -0.01 min  
Lab File: BG027229.D  
Acq: 6 Jun 2017 1:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.5  | 24.9  | 37.3  |
| 229     | 20.9  | 18.2  | 27.2  |





#81

3,3'-Dichlorobenzidine

Concen: 24.89 ng

RT: 22.17 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

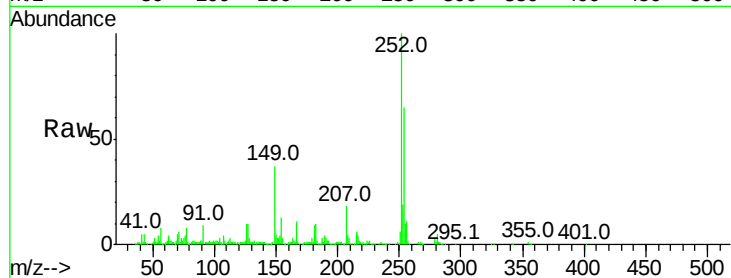
Tot Ion:252 Resp: 227981

Ion Ratio Lower Upper

252 100

254 64.5 53.1 79.7

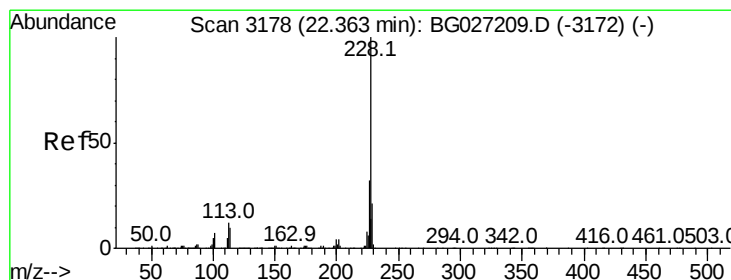
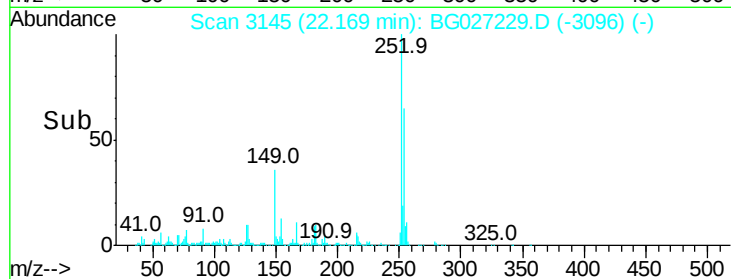
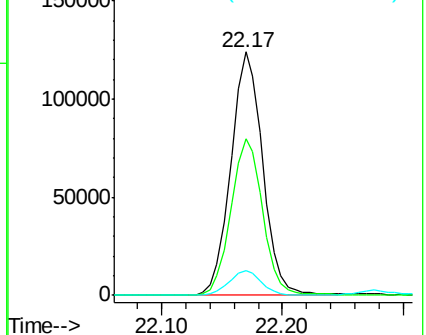
126 10.2 7.0 10.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 48.14 ng

RT: 22.35 min Scan# 3176

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

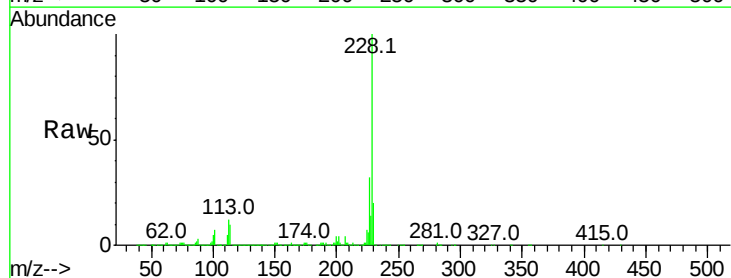
Tgt Ion:228 Resp: 1088288

Ion Ratio Lower Upper

228 100

226 31.6 27.0 40.4

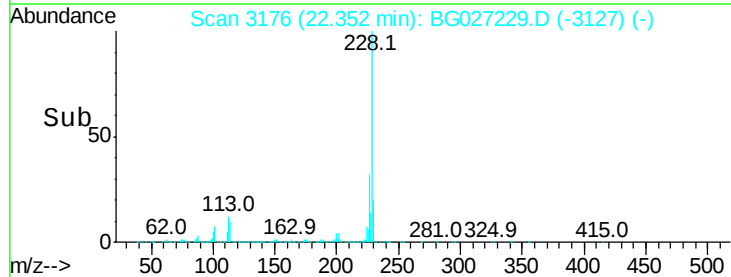
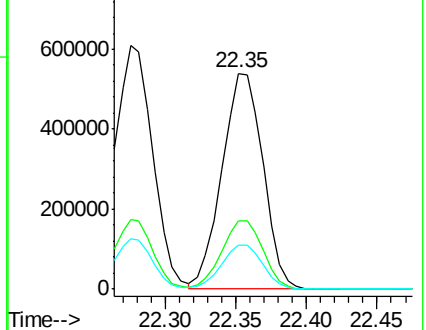
229 20.3 17.8 26.6

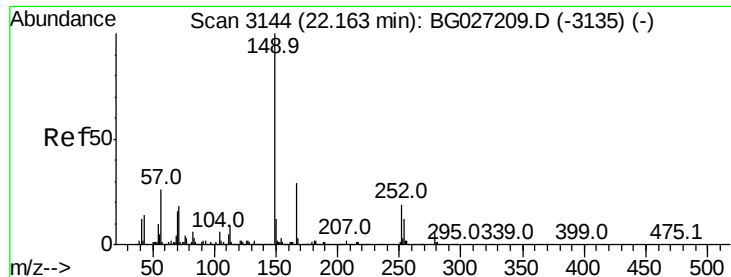


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 54.89 ng

RT: 22.15 min Scan# 3142

Delta R.T. -0.01 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

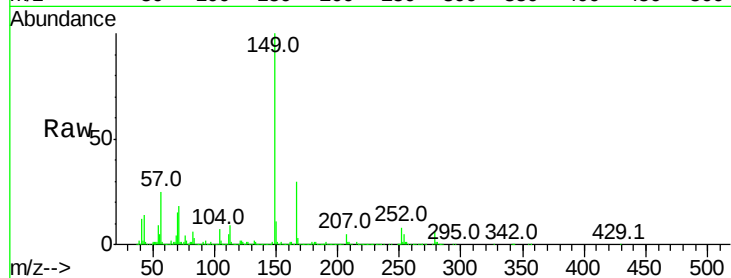
Tot Ion:149 Resp: 731281

Ion Ratio Lower Upper

149 100

167 30.1 23.7 35.5

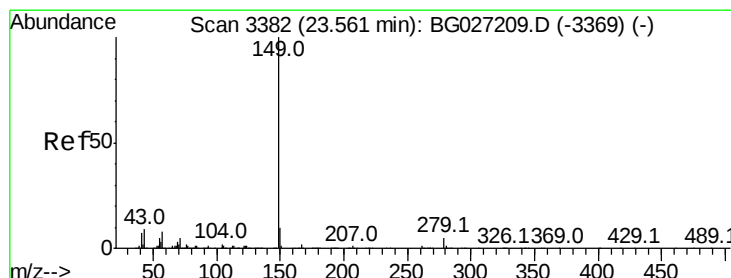
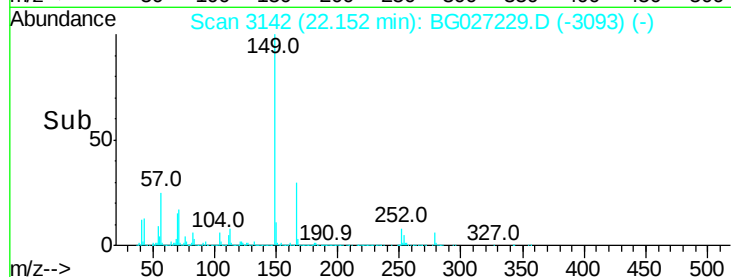
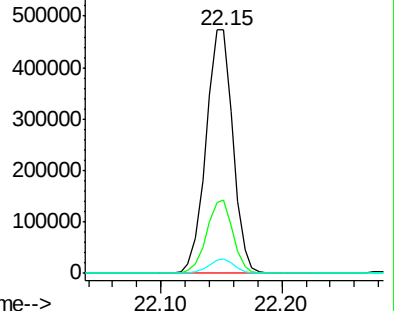
279 6.0 4.6 6.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 56.25 ng

RT: 23.54 min Scan# 3378

Delta R.T. -0.02 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

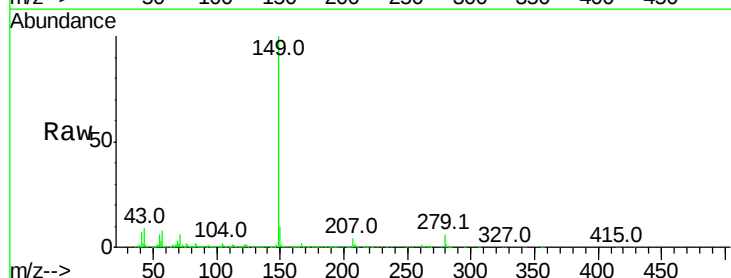
Tgt Ion:149 Resp: 1241274

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.2

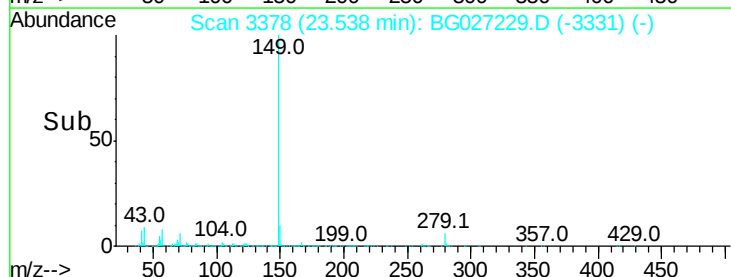
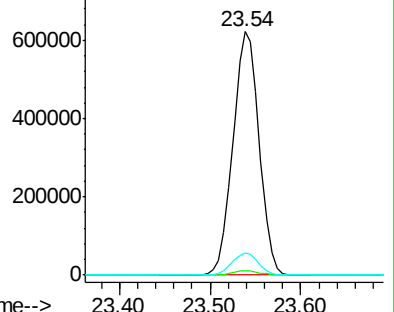
43 9.0 11.8 17.6#

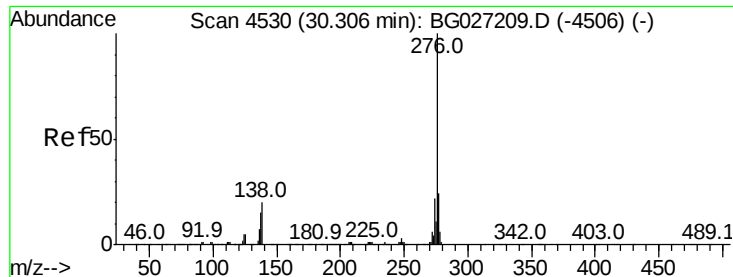


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BG



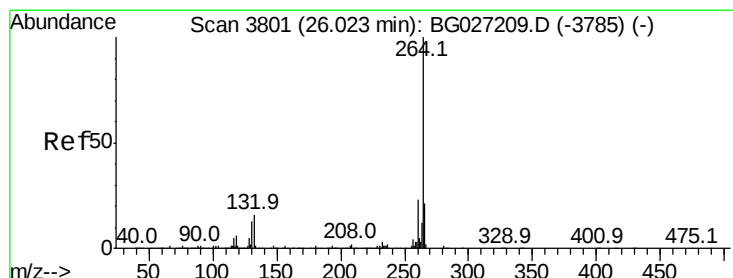
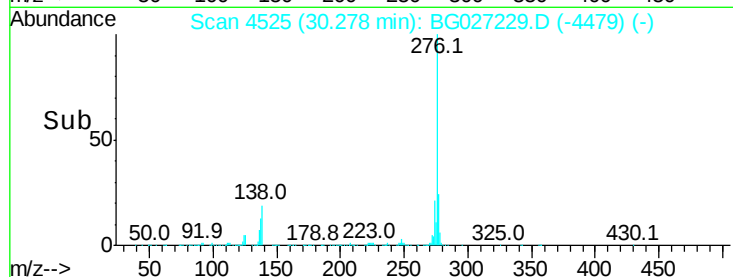
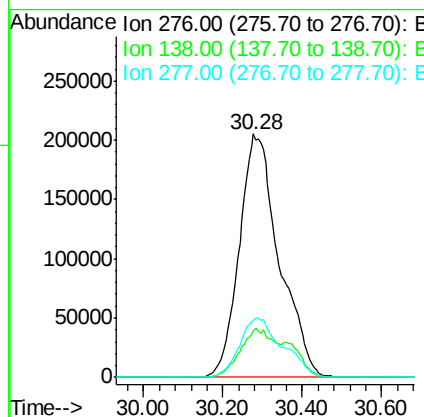
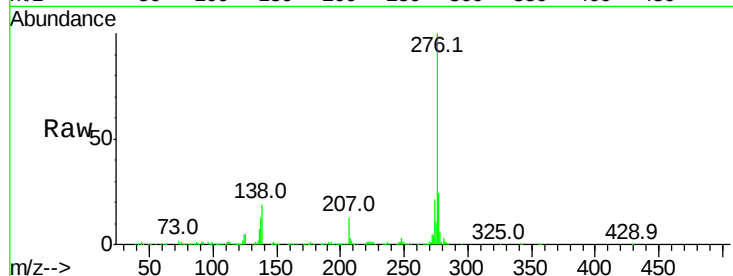


#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 52.33 ng  
 RT: 30.28 min Scan# 4525  
 Delta R.T. -0.03 min  
 Lab File: BG027229.D  
 Acq: 6 Jun 2017 1:48

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S22-0025MSD

Tot Ion:276 Resp: 1432764  

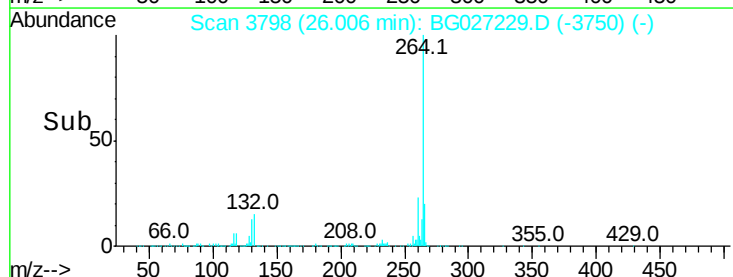
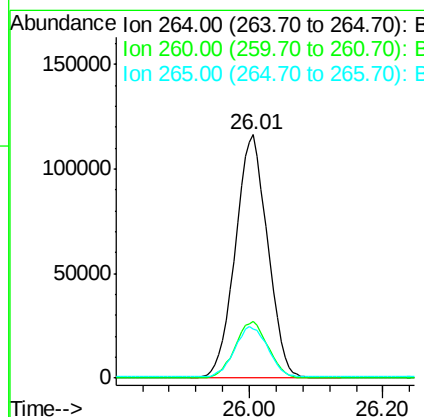
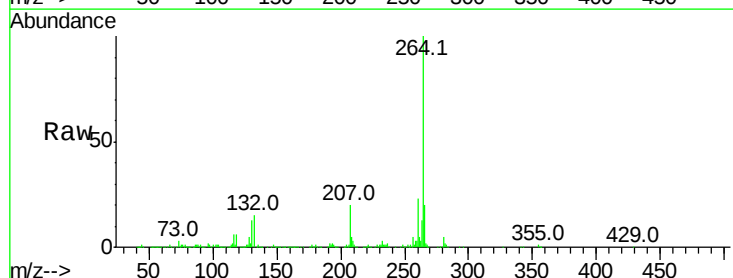
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 17.5  | 4.7   | 7.1#  |
| 277 | 26.3  | 20.6  | 31.0  |

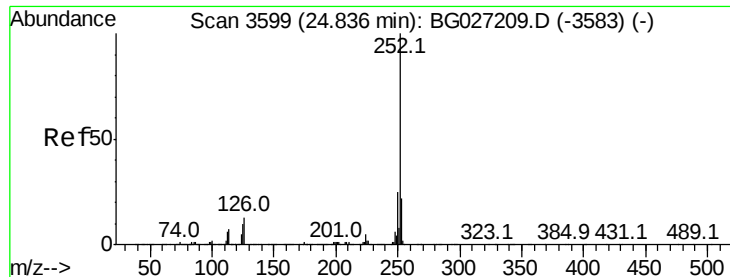


#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 26.01 min Scan# 3798  
 Delta R.T. -0.02 min  
 Lab File: BG027229.D  
 Acq: 6 Jun 2017 1:48

Tgt Ion:264 Resp: 390128  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.4  | 21.8  | 32.8  |
| 265 | 20.4  | 18.2  | 27.4  |

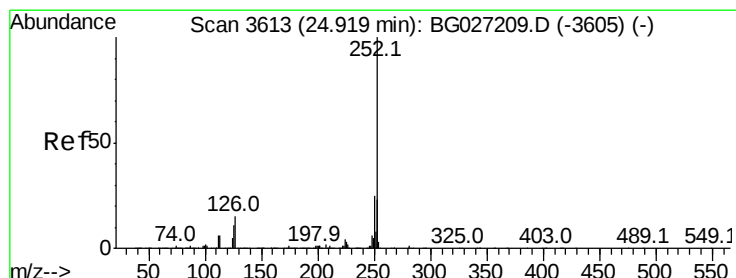
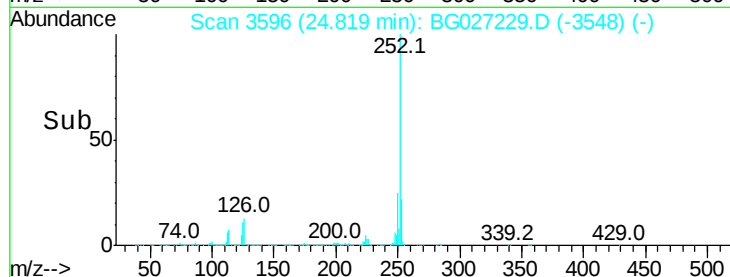
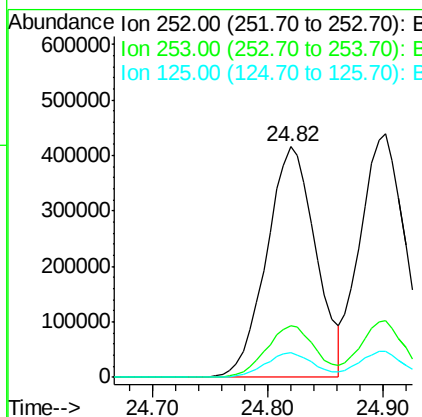
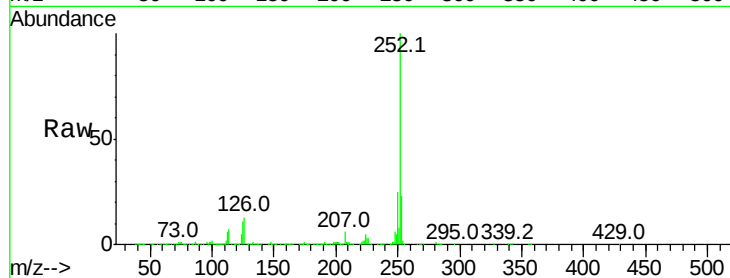




#87  
Benzo(b)fluoranthene  
Concen: 50.89 ng  
RT: 24.82 min Scan# 3596  
Delta R.T. -0.02 min  
Lab File: BG027229.D  
Acq: 6 Jun 2017 1:48

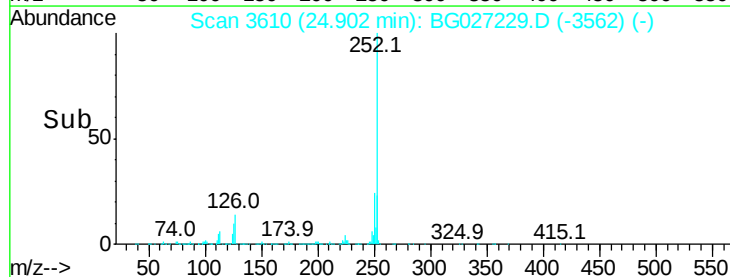
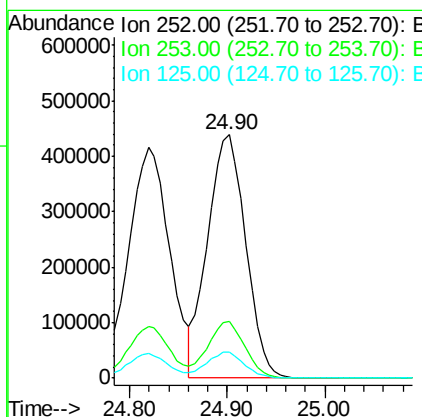
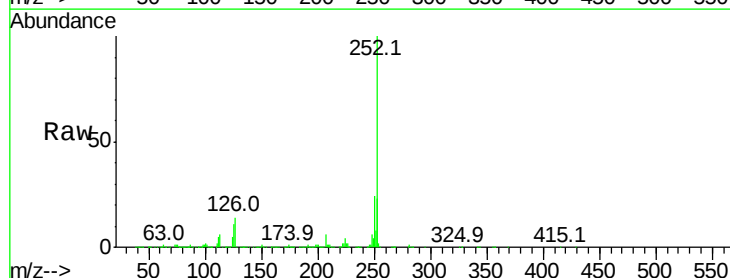
Instrument :  
BNA\_G  
ClientSampleId :  
S22-0025MSD

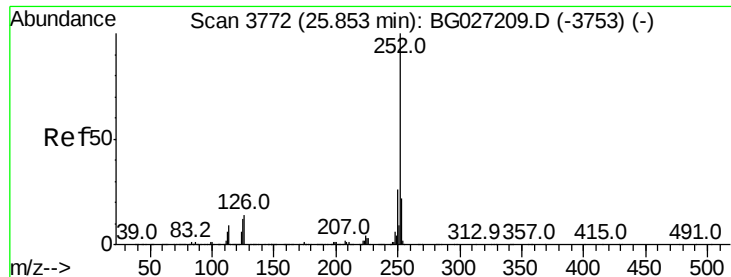
Tot Ion:252 Resp: 1231251  
Ion Ratio Lower Upper  
252 100  
253 22.5 18.7 28.1  
125 10.6 5.3 7.9#



#88  
Benzo(k)fluoranthene  
Concen: 49.85 ng  
RT: 24.90 min Scan# 3610  
Delta R.T. -0.02 min  
Lab File: BG027229.D  
Acq: 6 Jun 2017 1:48

Tgt Ion:252 Resp: 1183205  
Ion Ratio Lower Upper  
252 100  
253 23.1 20.2 30.2  
125 10.5 5.1 7.7#

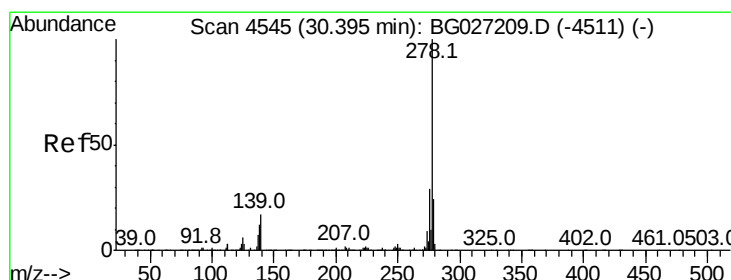
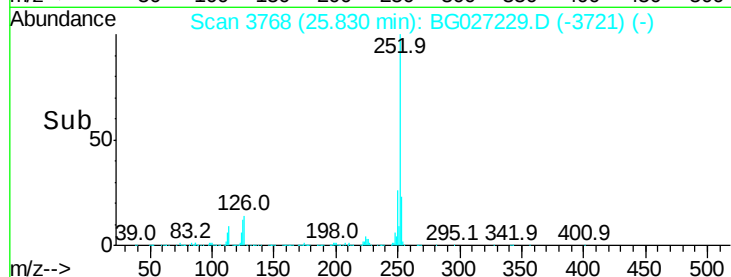
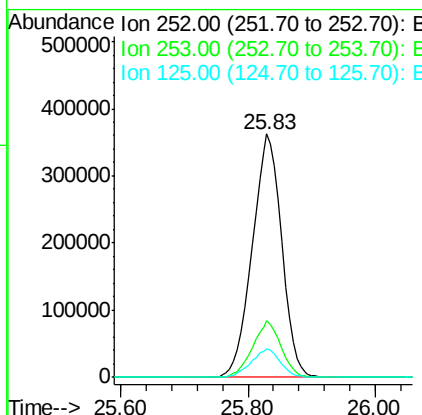
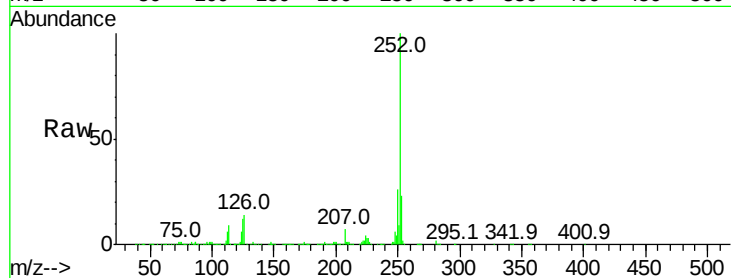




#89  
Benzo(a)pyrene  
Concen: 51.46 ng  
RT: 25.83 min Scan# 3768  
Delta R.T. -0.02 min  
Lab File: BG027229.D  
Acq: 6 Jun 2017 1:48

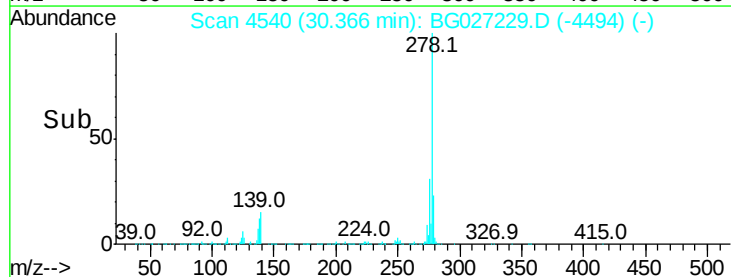
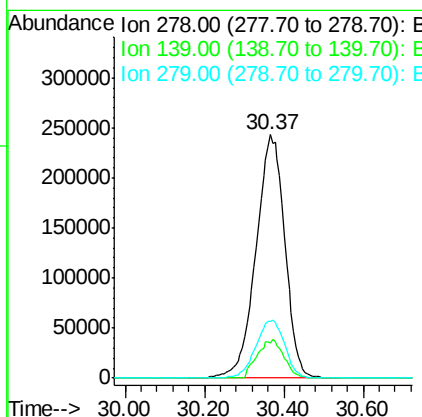
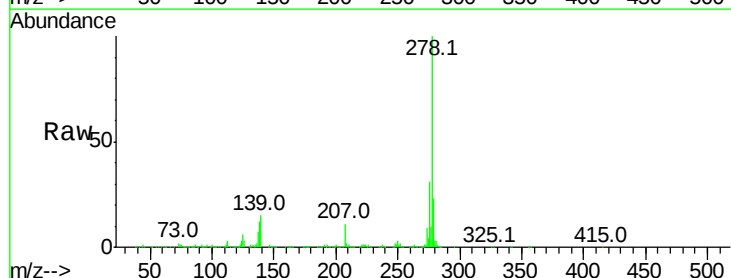
Instrument :  
BNA\_G  
ClientSampleId :  
S22-0025MSD

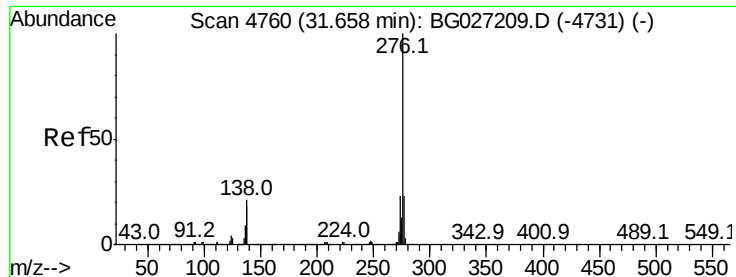
Tot Ion:252 Resp: 1172027  
Ion Ratio Lower Upper  
252 100  
253 23.1 19.2 28.8  
125 11.9 5.4 8.0#



#90  
Dibenzo(a,h)anthracene  
Concen: 51.45 ng  
RT: 30.37 min Scan# 4540  
Delta R.T. -0.03 min  
Lab File: BG027229.D  
Acq: 6 Jun 2017 1:48

Tgt Ion:278 Resp: 1226634  
Ion Ratio Lower Upper  
278 100  
139 14.6 7.7 11.5#  
279 23.4 19.1 28.7





#91

Benzo(a,h,i)perylene

Concen: 50.61 ng

RT: 31.63 min Scan# 4755

Delta R.T. -0.03 min

Lab File: BG027229.D

Acq: 6 Jun 2017 1:48

Instrument :

BNA\_G

ClientSampleId :

S22-0025MSD

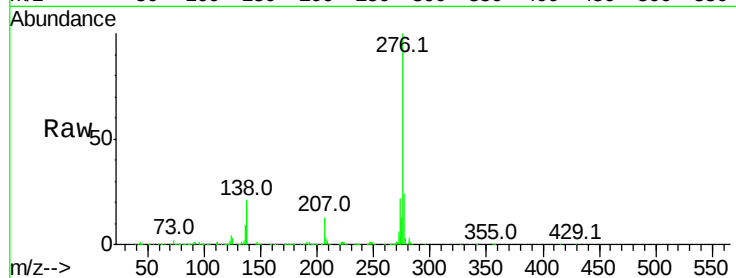
Tot Ion:276 Resp: 1168710

Ion Ratio Lower Upper

276 100

277 23.6 18.6 27.8

138 20.9 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

