

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122917\  
 Data File : BG031868.D  
 Acq On : 29 Dec 2017 23:50  
 Operator : SJ/JU  
 Sample : IDOC-04-W RM  
 Misc : WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Dec 31 21:56:36 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 29 15:51:46 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.79  | 152  | 51175    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.67 | 136  | 225148   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.42 | 164  | 156289   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 18.15 | 188  | 398404   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 22.50 | 240  | 425759   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 26.23 | 264  | 454211   | 20.00 | ng    | -0.03    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 6.21  | 112  | 173761   | 61.84  | ng    | 0.00     |
| 7) Phenol-d6                | 7.89  | 99   | 138315   | 37.92  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.99  | 82   | 315546   | 105.83 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.90 | 330  | 375008   | 157.25 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 14.05 | 172  | 1107246  | 88.92  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.69 | 244  | 1910506  | 102.52 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 3.86  | 88   | 13944    | 13.388 | ng    | # 74   |
| 3) Pyridine                    | 4.32  | 79   | 32363    | 11.625 | ng    | # 79   |
| 4) n-Nitrosodimethylamine      | 4.22  | 42   | 15855    | 14.113 | ng    | # 81   |
| 6) Aniline                     | 8.08  | 93   | 94298    | 20.092 | ng    | # 87   |
| 8) 2-Chlorophenol              | 8.34  | 128  | 117202   | 35.961 | ng    | # 78   |
| 9) Benzaldehyde                | 7.88  | 77   | 45388    | 20.663 | ng    | 85     |
| 10) Phenol                     | 7.91  | 94   | 44182    | 11.996 | ng    | 91     |
| 11) bis(2-Chloroethyl)ether    | 8.17  | 93   | 120404   | 39.365 | ng    | # 78   |
| 12) 1,3-Dichlorobenzene        | 8.67  | 146  | 138048   | 34.108 | ng    | # 94   |
| 13) 1,4-Dichlorobenzene        | 8.82  | 146  | 140684   | 34.028 | ng    | 94     |
| 14) 1,2-Dichlorobenzene        | 9.16  | 146  | 135869   | 34.682 | ng    | 94     |
| 15) Benzyl Alcohol             | 9.02  | 79   | 66733    | 24.369 | ng    | 91     |
| 16) 2,2'-oxybis(1-Chloropropan | 9.31  | 45   | 125025   | 50.194 | ng    | 80     |
| 17) 2-Methylphenol             | 9.22  | 107  | 75915    | 28.808 | ng    | 96     |
| 18) Hexachloroethane           | 9.91  | 117  | 40818    | 32.597 | ng    | 86     |
| 19) n-Nitroso-di-n-propylamine | 9.60  | 70   | 98877    | 39.689 | ng    | # 82   |
| 20) 3+4-Methylphenols          | 9.55  | 107  | 92370    | 24.663 | ng    | 94     |
| 22) Acetophenone               | 9.63  | 105  | 221479   | 42.341 | ng    | # 85   |
| 24) Nitrobenzene               | 10.03 | 77   | 136898   | 44.549 | ng    | # 83   |
| 25) Isophorone                 | 10.55 | 82   | 282464   | 44.007 | ng    | # 87   |
| 26) 2-Nitrophenol              | 10.76 | 139  | 77793    | 48.283 | ng    | # 79   |
| 27) 2,4-Dimethylphenol         | 10.79 | 122  | 130878   | 38.602 | ng    | 91     |
| 28) bis(2-Chloroethoxy)methane | 11.03 | 93   | 178569   | 41.462 | ng    | # 95   |
| 29) 2,4-Dichlorophenol         | 11.30 | 162  | 165093   | 41.478 | ng    | 89     |
| 30) 1,2,4-Trichlorobenzene     | 11.52 | 180  | 172759   | 35.548 | ng    | 99     |
| 31) Naphthalene                | 11.72 | 128  | 436639   | 38.427 | ng    | 99     |
| 32) Benzoic acid               | 10.79 | 122  | 130878   | 55.407 | ng    | # 4    |
| 33) 4-Chloroaniline            | 11.81 | 127  | 152677   | 30.181 | ng    | # 89   |
| 34) Hexachlorobutadiene        | 11.99 | 225  | 107717   | 32.285 | ng    | 92     |
| 35) Caprolactam                | 12.54 | 113  | 7090     | 5.877  | ng    | # 37   |
| 36) 4-Chloro-3-methylphenol    | 12.88 | 107  | 142961   | 38.891 | ng    | # 77   |
| 37) 2-Methylnaphthalene        | 13.28 | 142  | 386249   | 41.932 | ng    | 92     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.64 | 216  | 265313   | 40.303 | ng    | # 96   |
| 40) Hexachlorocyclopentadiene  | 13.61 | 237  | 284983   | 82.061 | ng    | 93     |

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 ALS Vial : 18 Sample Multiplier: 1

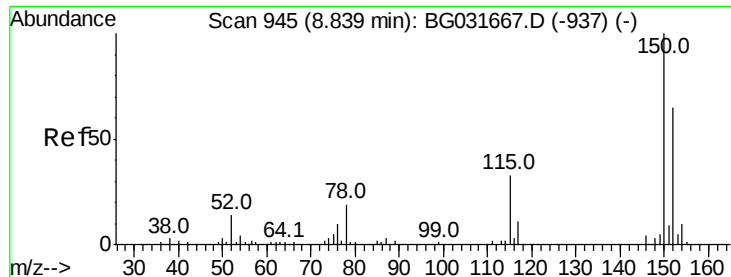
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Dec 31 21:56:36 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 29 15:51:46 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.86 | 196  | 167974   | 44.256 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 13.93 | 196  | 180595   | 42.935 | nq    | # 90     |
| 45) 1,1'-Biphenyl              | 14.26 | 154  | 558808   | 41.863 | nq    | 96       |
| 46) 2-Chloronaphthalene        | 14.31 | 162  | 415317   | 40.791 | nq    | 96       |
| 47) 2-Nitroaniline             | 14.49 | 65   | 94266    | 53.607 | nq    | # 70     |
| 48) Acenaphthylene             | 15.15 | 152  | 653209   | 40.101 | nq    | 100      |
| 49) Dimethylphthalate          | 14.85 | 163  | 574412   | 41.719 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.98 | 165  | 132068   | 52.142 | nq    | # 63     |
| 51) Acenaphthene               | 15.49 | 154  | 424960   | 39.835 | nq    | 98       |
| 52) 3-Nitroaniline             | 15.30 | 138  | 96883    | 39.206 | nq    | # 70     |
| 53) 2,4-Dinitrophenol          | 15.50 | 184  | 40229    | 41.453 | nq    | # 22     |
| 54) Dibenzofuran               | 15.81 | 168  | 696128   | 42.569 | nq    | 96       |
| 55) 4-Nitrophenol              | 15.57 | 139  | 45252    | 22.499 | nq    | # 68     |
| 56) 2,4-Dinitrotoluene         | 15.75 | 165  | 183747   | 56.417 | nq    | # 62     |
| 57) Fluorene                   | 16.46 | 166  | 555128   | 41.787 | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 16.02 | 232  | 191765   | 46.729 | nq    | # 85     |
| 59) Diethylphthalate           | 16.19 | 149  | 558530   | 41.620 | nq    | 95       |
| 60) 4-Chlorophenyl-phenylether | 16.43 | 204  | 330680   | 40.682 | nq    | 91       |
| 61) 4-Nitroaniline             | 16.46 | 138  | 114690   | 47.560 | nq    | # 77     |
| 62) Azobenzene                 | 16.73 | 77   | 365370   | 42.454 | nq    | 82       |
| 64) 4,6-Dinitro-2-methylphenol | 16.51 | 198  | 58438    | 33.240 | nq    | # 63     |
| 65) n-Nitrosodiphenylamine     | 16.64 | 169  | 523662   | 39.576 | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 17.33 | 248  | 241179   | 41.863 | nq    | 94       |
| 67) Hexachlorobenzene          | 17.45 | 284  | 250602   | 42.551 | nq    | # 89     |
| 68) Atrazine                   | 17.57 | 200  | 222002   | 43.148 | nq    | 99       |
| 69) Pentachlorophenol          | 17.79 | 266  | 269756   | 66.592 | nq    | 99       |
| 70) Phenanthrene               | 18.20 | 178  | 937815   | 41.594 | nq    | 99       |
| 71) Anthracene                 | 18.28 | 178  | 962886   | 42.336 | nq    | 99       |
| 72) Carbazole                  | 18.54 | 167  | 833825   | 41.421 | nq    | 99       |
| 73) Di-n-butylphthalate        | 19.05 | 149  | 933522   | 41.728 | nq    | 99       |
| 74) Fluoranthene               | 20.15 | 202  | 1153049  | 41.679 | nq    | 97       |
| 76) Benzidine                  | 20.31 | 184  | 546385   | 41.578 | nq    | 98       |
| 77) Pyrene                     | 20.51 | 202  | 1159848  | 42.647 | nq    | 97       |
| 79) Butylbenzylphthalate       | 21.37 | 149  | 404018   | 44.253 | nq    | # 77     |
| 80) Benzo(a)anthracene         | 22.47 | 228  | 1141434  | 42.146 | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 22.36 | 252  | 408083   | 38.863 | nq    | # 95     |
| 82) Chrysene                   | 22.55 | 228  | 1068646  | 41.703 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 22.32 | 149  | 551570   | 41.701 | nq    | # 97     |
| 84) Di-n-octyl phthalate       | 23.72 | 149  | 948383   | 42.574 | nq    | # 88     |
| 85) Indeno(1,2,3-cd)pyrene     | 30.56 | 276  | 1417553  | 43.120 | nq    | # 87     |
| 87) Benzo(b)fluoranthene       | 25.03 | 252  | 1184178  | 42.000 | nq    | # 97     |
| 88) Benzo(k)fluoranthene       | 25.11 | 252  | 1173065  | 41.574 | nq    | # 97     |
| 89) Benzo(a)pyrene             | 26.06 | 252  | 1155885  | 42.806 | nq    | # 97     |
| 90) Dibenzo(a,h)anthracene     | 30.66 | 278  | 1183310  | 42.431 | nq    | 96       |
| 91) Benzo(g,h,i)perylene       | 30.56 | 276  | 1417553  | 43.052 | nq    | # 95     |

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



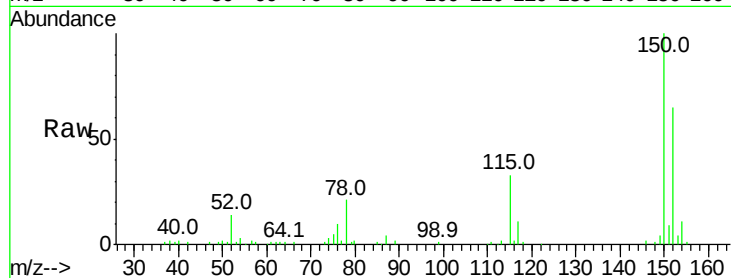


#1

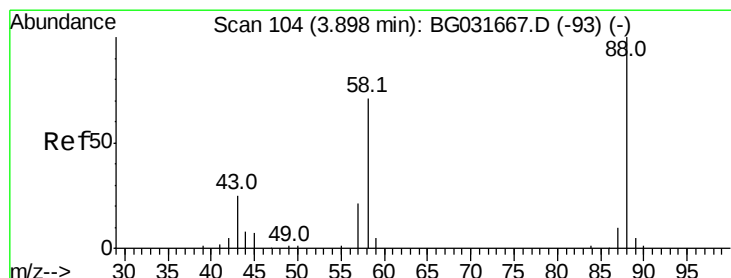
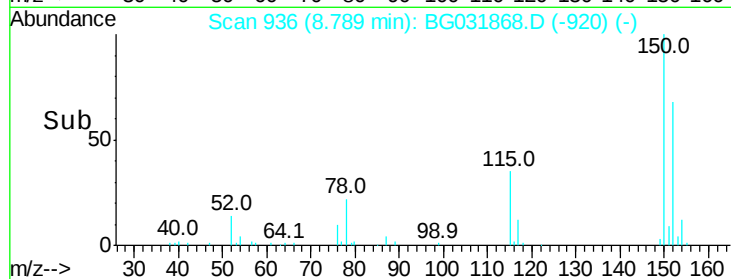
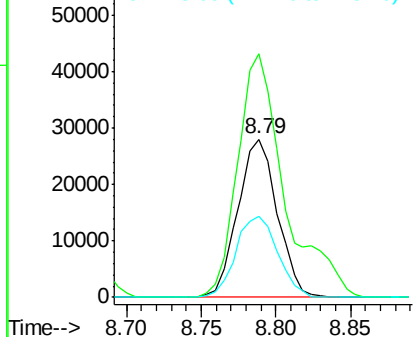
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.79 min Scan# 936  
Delta R.T. -0.00 min  
Lab File: BG031868.D  
Acq: 29 Dec 2017 23:50

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 51175  
Ion Ratio Lower Upper  
152 100  
150 154.2 126.6 189.8  
115 51.4 53.0 79.4#



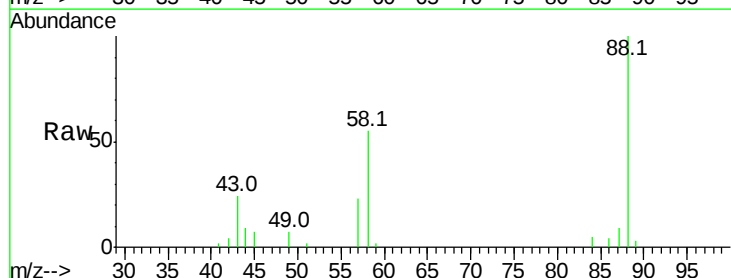
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



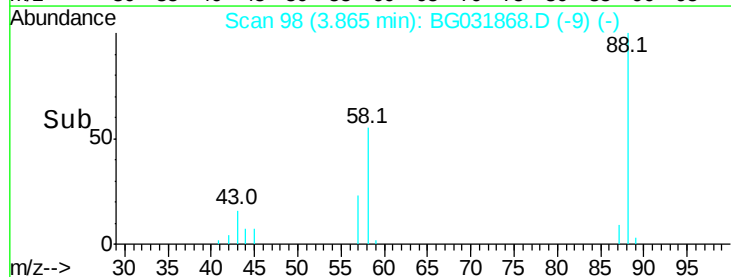
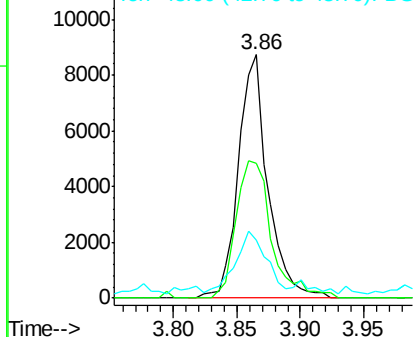
#2

1,4-Dioxane  
Concen: 13.388 ng  
RT: 3.86 min Scan# 98  
Delta R.T. -0.00 min  
Lab File: BG031868.D  
Acq: 29 Dec 2017 23:50

Tgt Ion: 88 Resp: 13944  
Ion Ratio Lower Upper  
88 100  
58 68.5 79.6 119.4#  
43 27.1 27.4 41.0#



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

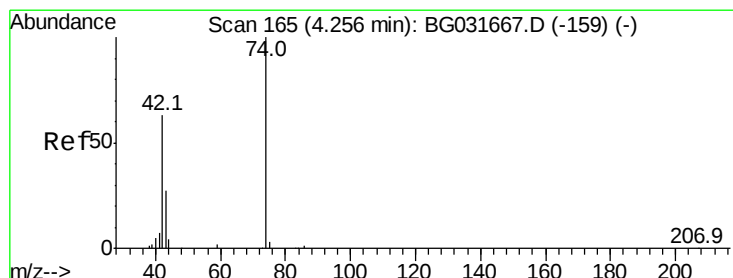
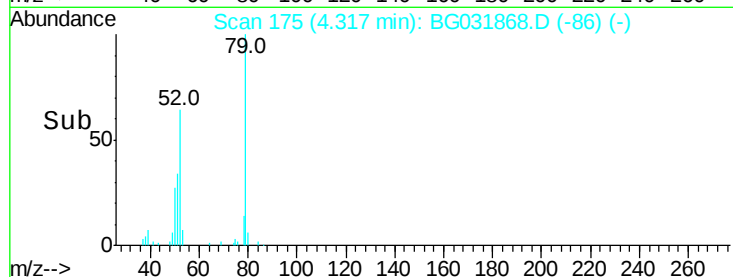
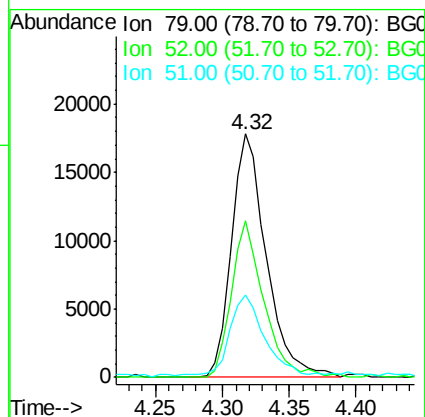
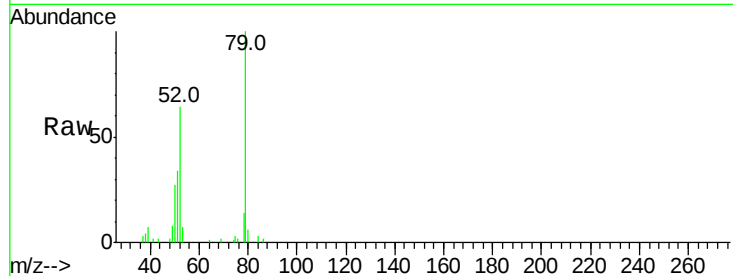




#3  
 Pvridine  
 Concen: 11.625 ng  
 RT: 4.32 min Scan# 175  
 Delta R.T. -0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

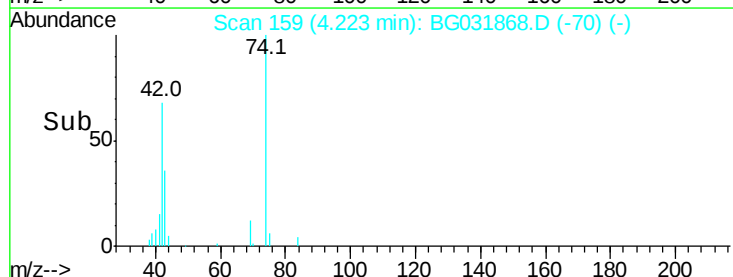
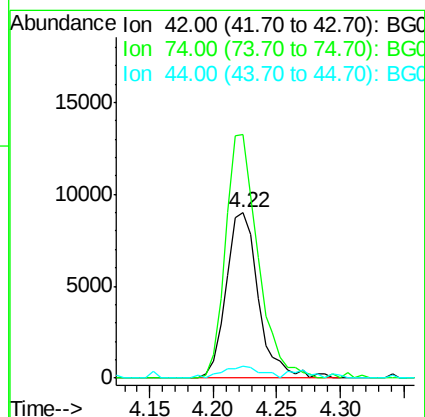
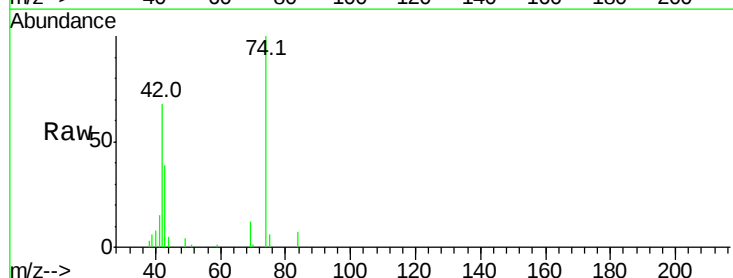
Instrument :  
 BNA\_G  
 ClientSampled :

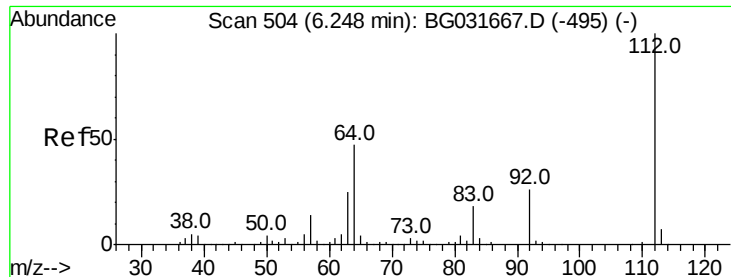
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 79      | 100   |       |        |
| 52      | 64.2  | 69.9  | 104.9# |
| 51      | 33.8  | 34.0  | 51.0#  |



#4  
 n-Nitrosodimethylamine  
 Concen: 14.113 ng  
 RT: 4.22 min Scan# 159  
 Delta R.T. -0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 147.2 | 102.5 | 153.7 |
| 44      | 6.9   | 18.9  | 28.3# |





#5

2-Fluorophenol

Concen: 61.844 ng

RT: 6.21 min Scan# 497

Delta R.T. -0.00 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

Instrument :

BNA\_G

ClientSampled :

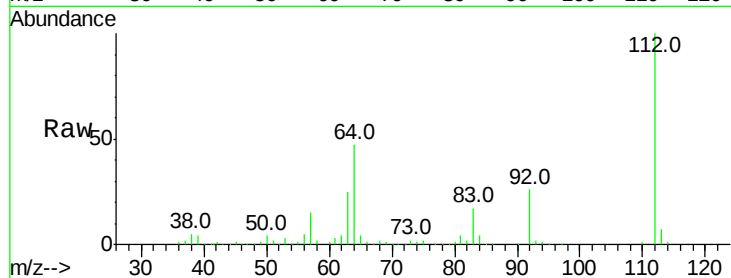
Tot Ion:112 Resp: 173761

Ion Ratio Lower Upper

112 100

64 47.5 56.3 84.5#

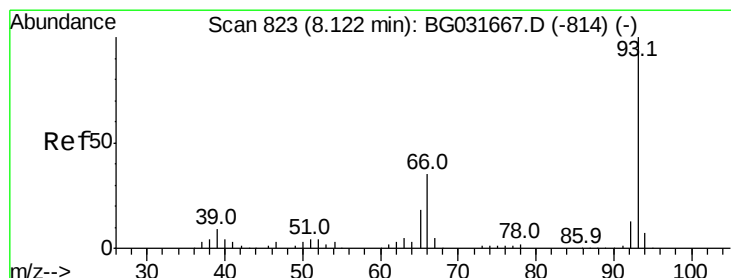
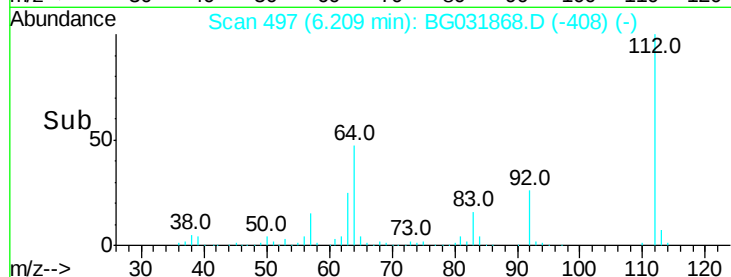
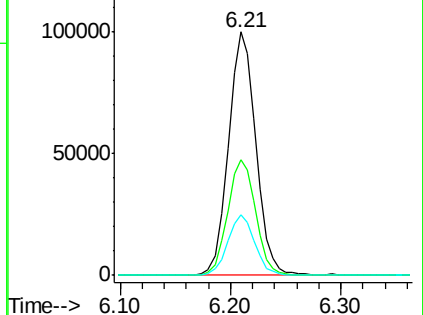
63 24.9 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 20.092 ng

RT: 8.08 min Scan# 815

Delta R.T. -0.00 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

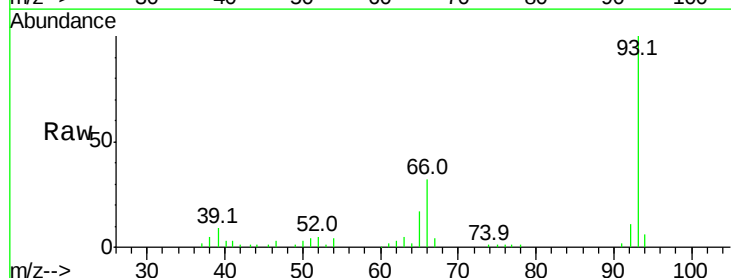
Tgt Ion: 93 Resp: 94298

Ion Ratio Lower Upper

93 100

66 31.8 33.7 50.5#

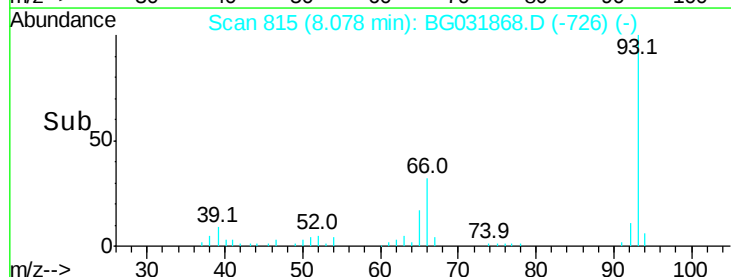
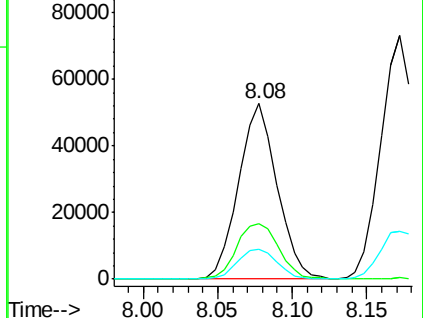
65 16.9 16.1 24.1



Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 37.916 ng

RT: 7.89 min Scan# 783

Delta R.T. -0.00 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

Instrument :

BNA\_G

ClientSampleId :

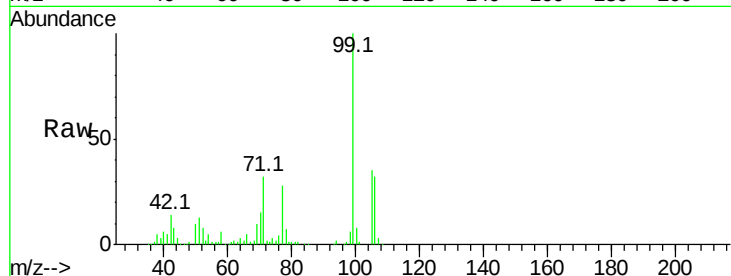
Tot Ion: 99 Resp: 138315

Ion Ratio Lower Upper

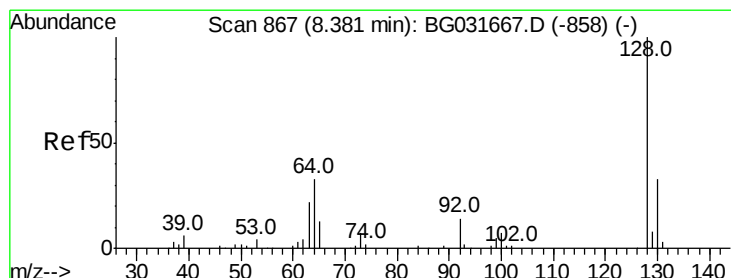
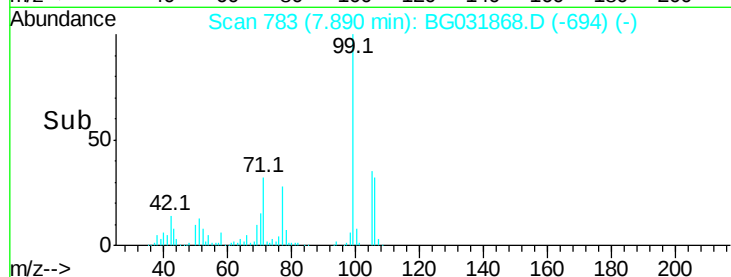
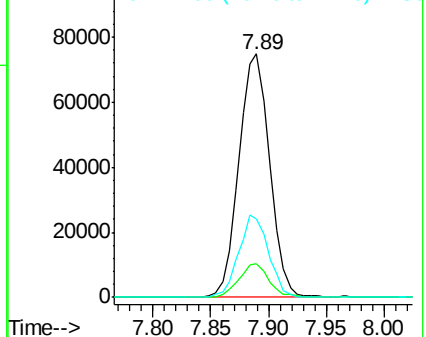
99 100

42 13.6 14.1 21.1#

71 32.1 26.1 39.1



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



#8

2-Chlorophenol

Concen: 35.961 ng

RT: 8.34 min Scan# 859

Delta R.T. 0.00 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

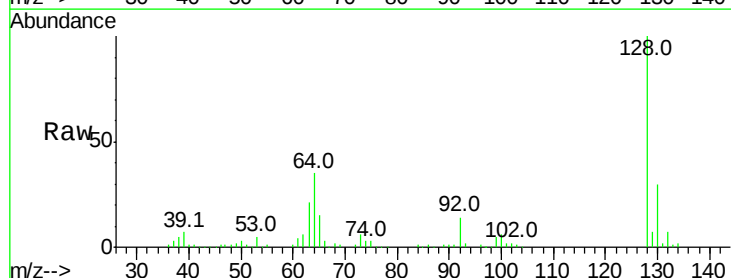
Tgt Ion: 128 Resp: 117202

Ion Ratio Lower Upper

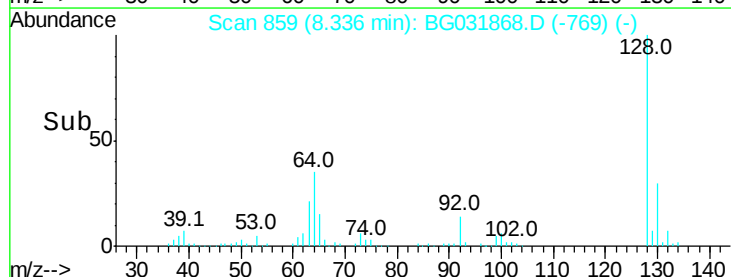
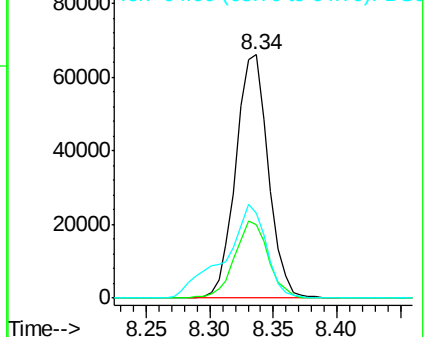
128 100

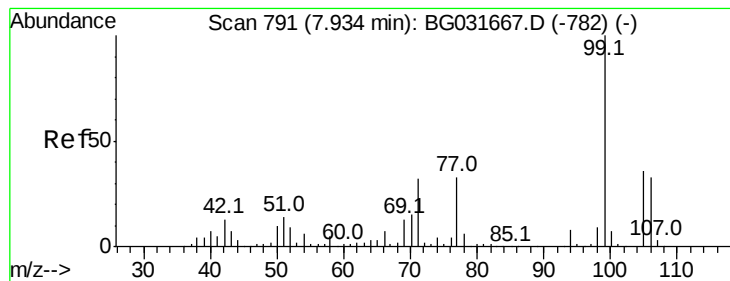
130 30.2 14.0 54.0

64 34.7 37.7 77.7#



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





#9

Benzaldehyde

Concen: 20.663 ng

RT: 7.88 min Scan# 782

Delta R.T. -0.00 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

Instrument :

BNA\_G

ClientSampleId :

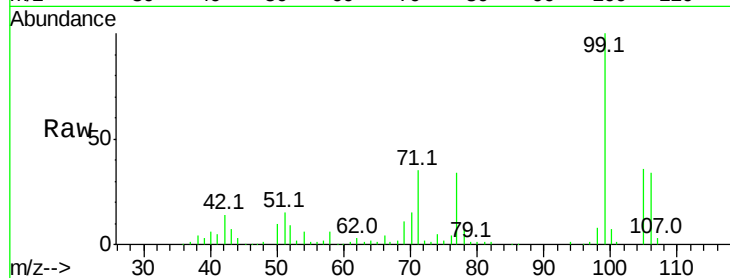
Tot Ion: 77 Resp: 45388

Ion Ratio Lower Upper

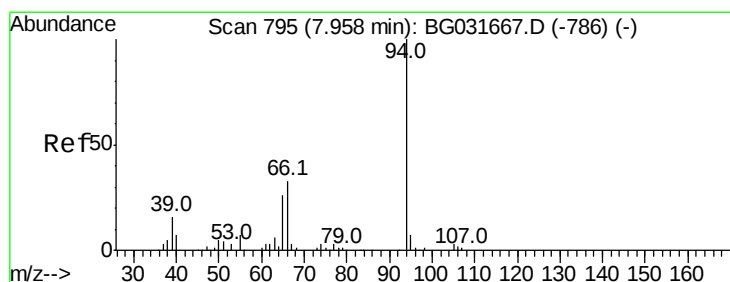
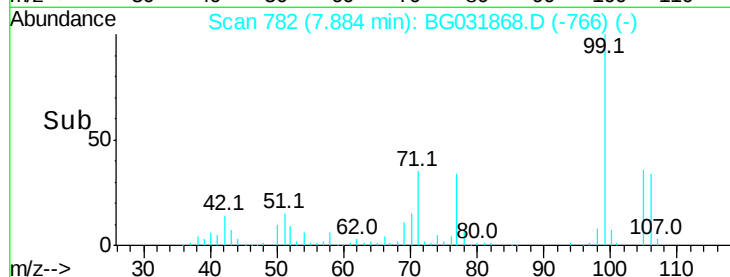
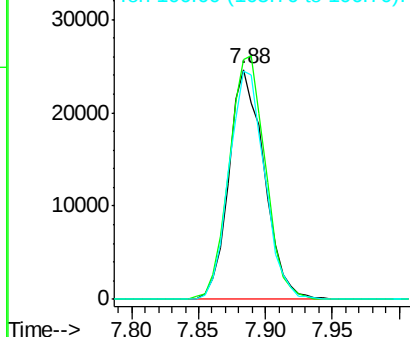
77 100

105 104.2 71.3 111.3

106 99.5 64.2 104.2



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: 11.996 ng

RT: 7.91 min Scan# 787

Delta R.T. -0.01 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

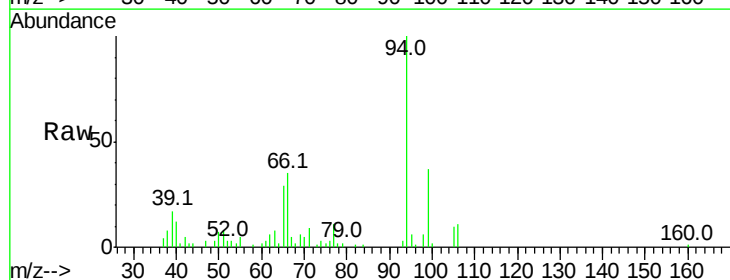
Tgt Ion: 94 Resp: 44182

Ion Ratio Lower Upper

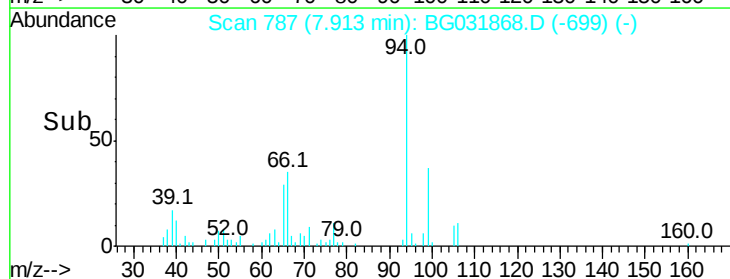
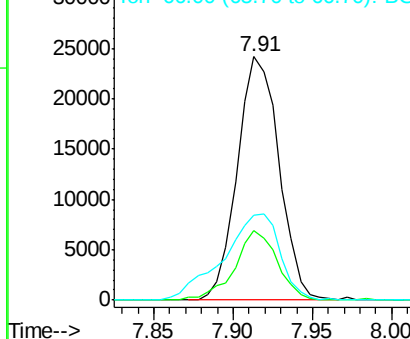
94 100

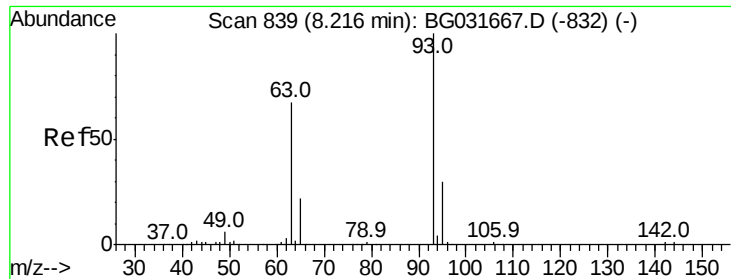
65 28.6 11.9 51.9

66 34.9 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

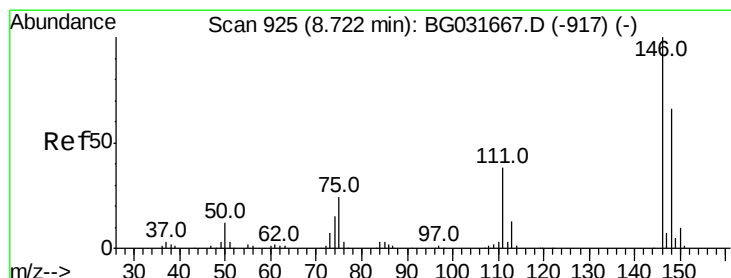
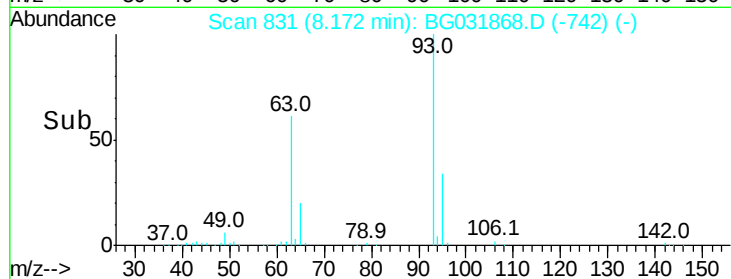
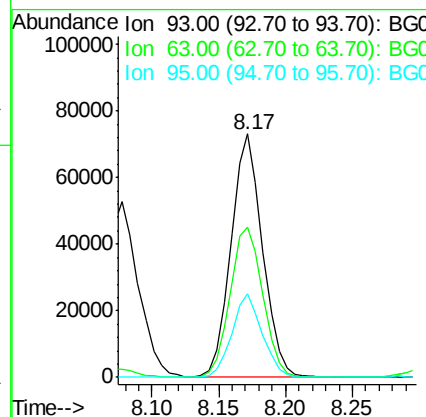
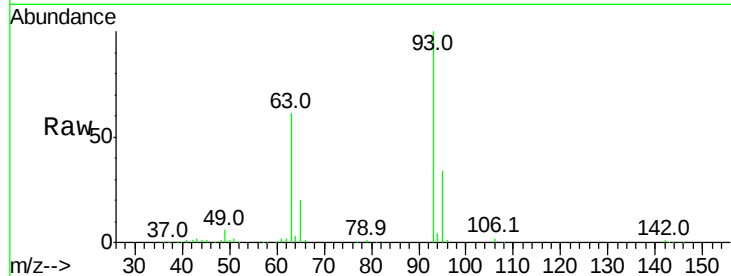




#11  
 bis(2-Chloroethyl)ether  
 Concen: 39.365 ng  
 RT: 8.17 min Scan# 831  
 Delta R.T. -0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

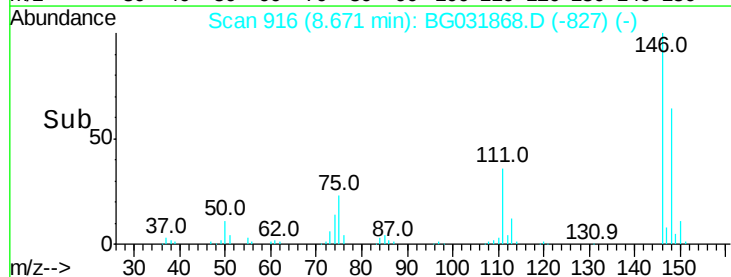
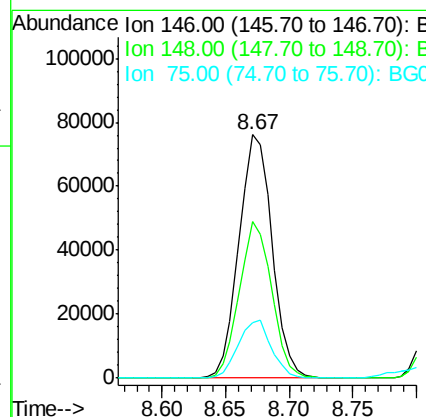
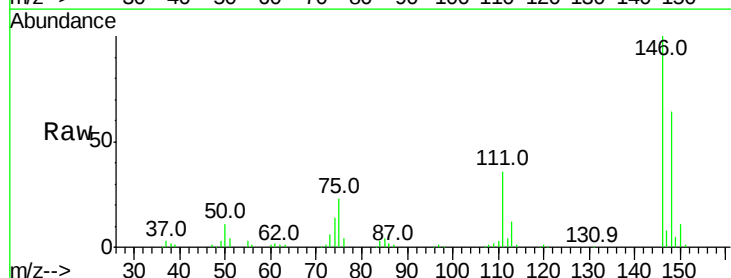
Instrument :  
 BNA\_G  
 ClientSampleId :

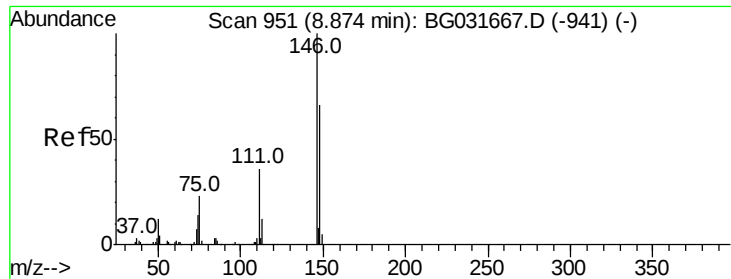
Tot Ion: 93 Resp: 120404  
 Ion Ratio Lower Upper  
 93 100  
 63 61.5 67.1 107.1#  
 95 34.2 11.5 51.5



#12  
 1,3-Dichlorobenzene  
 Concen: 34.108 ng  
 RT: 8.67 min Scan# 916  
 Delta R.T. -0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

Tgt Ion: 146 Resp: 138048  
 Ion Ratio Lower Upper  
 146 100  
 148 64.1 51.4 77.2  
 75 22.9 26.6 39.8#

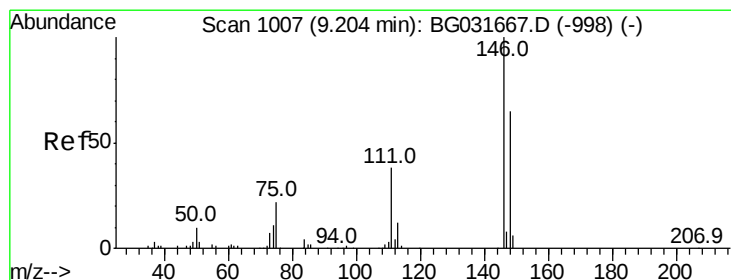
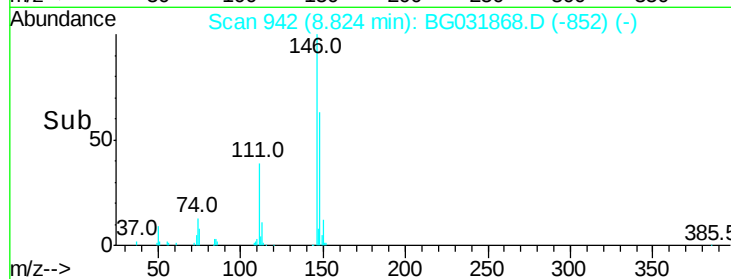
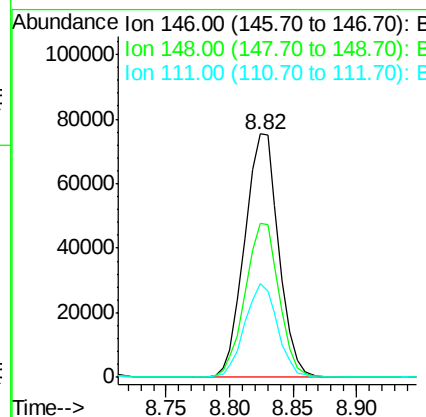
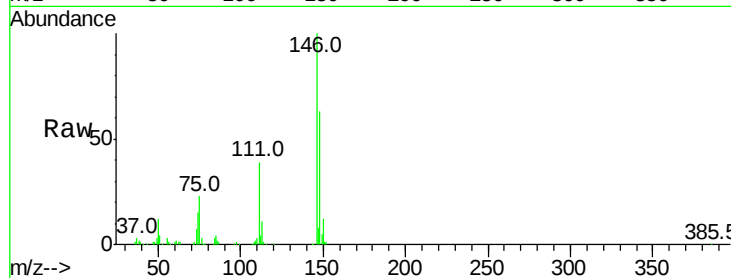




#13  
 1,4-Dichlorobenzene  
 Concen: 34.028 ng  
 RT: 8.82 min Scan# 942  
 Delta R.T. -0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

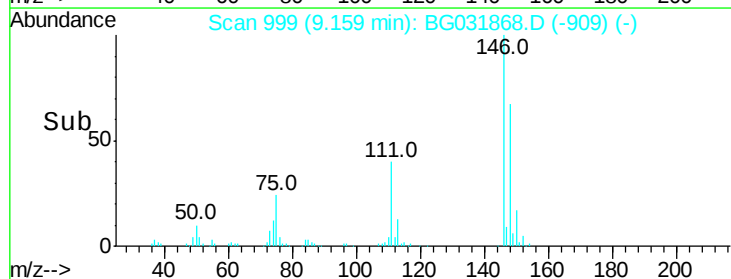
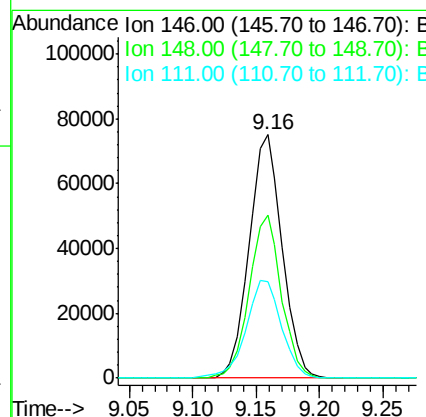
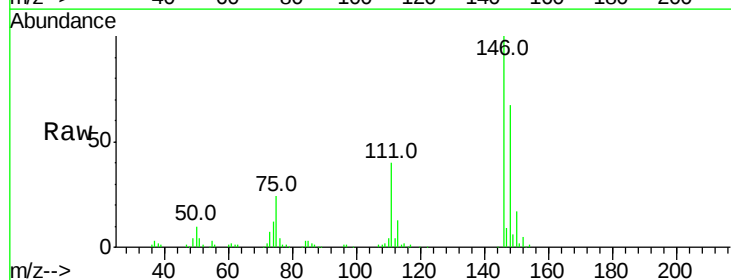
Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.1  | 53.7  | 80.5  |
| 111     | 38.7  | 35.2  | 52.8  |



#14  
 1,2-Dichlorobenzene  
 Concen: 34.682 ng  
 RT: 9.16 min Scan# 999  
 Delta R.T. -0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 67.0  | 49.3  | 73.9  |
| 111     | 39.6  | 34.3  | 51.5  |





#15

Benzyl Alcohol

Concen: 24.369 ng

RT: 9.02 min Scan# 975

Delta R.T. -0.00 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

Instrument :

BNA\_G

ClientSampleId :

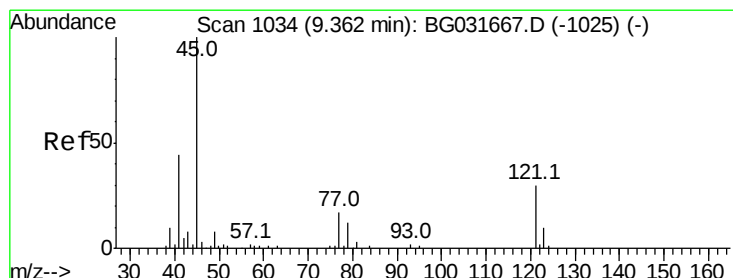
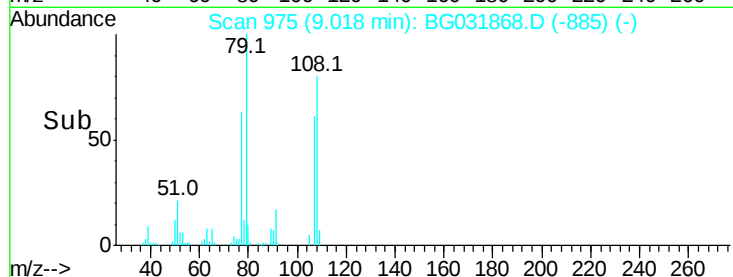
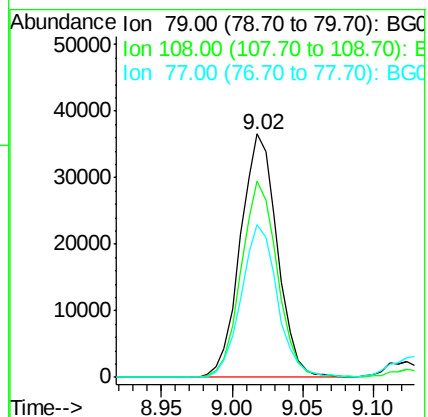
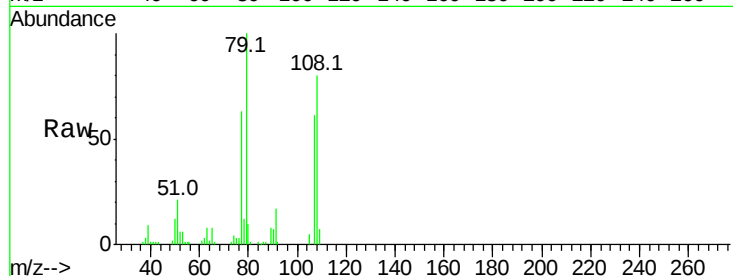
Tot Ion: 79 Resp: 66733

Ion Ratio Lower Upper

79 100

108 80.4 57.2 85.8

77 62.6 46.1 69.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 50.194 ng

RT: 9.31 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

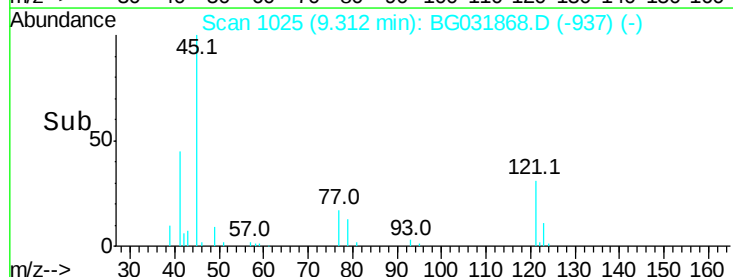
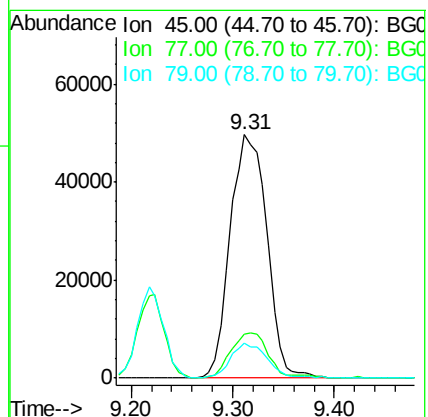
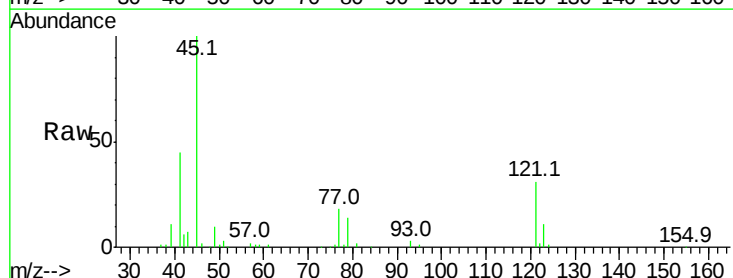
Tgt Ion: 45 Resp: 125025

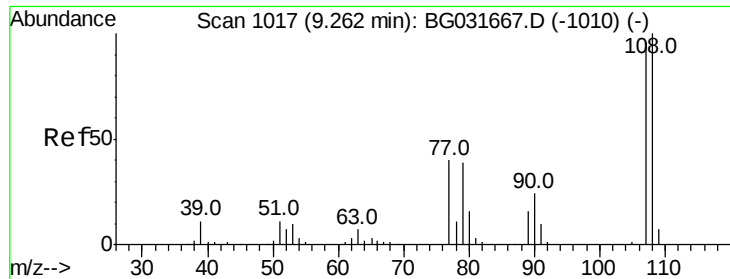
Ion Ratio Lower Upper

45 100

77 18.0 0.0 30.2

79 14.2 0.0 27.9

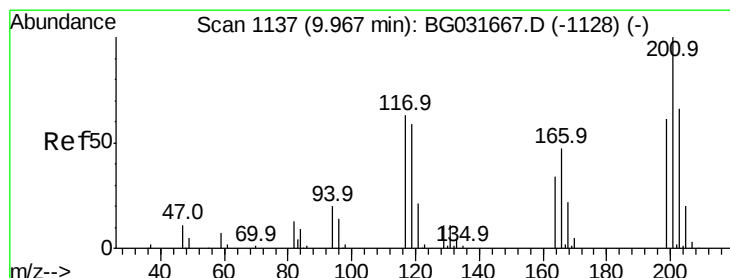
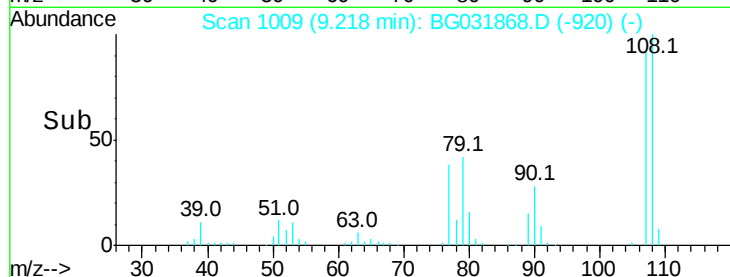
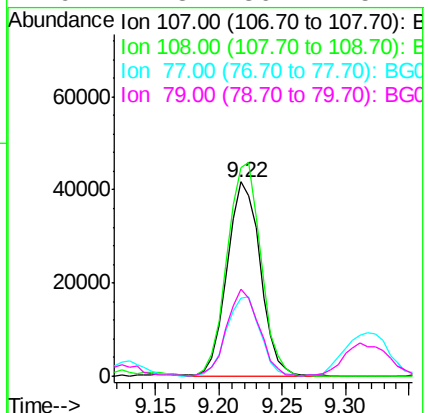
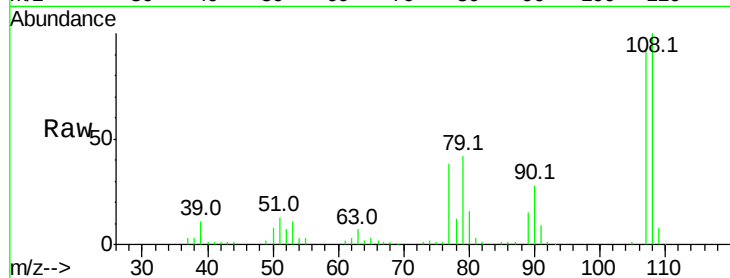




#17  
 2-Methylphenol  
 Concen: 28.808 ng  
 RT: 9.22 min Scan# 1009  
 Delta R.T. -0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

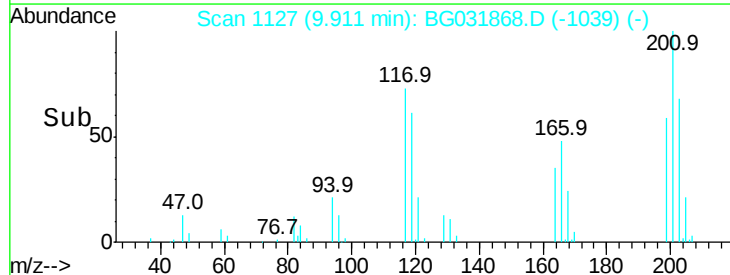
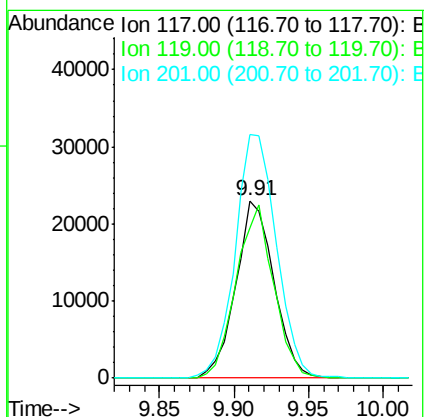
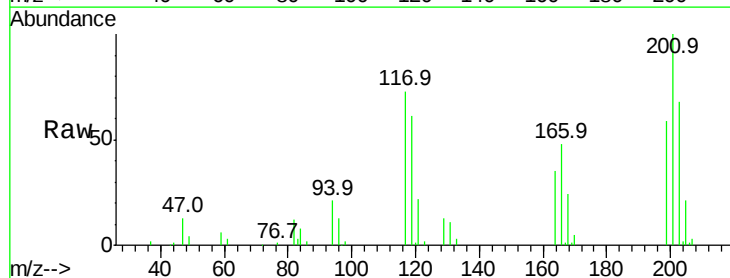
Instrument :  
 BNA\_G  
 ClientSampleId :

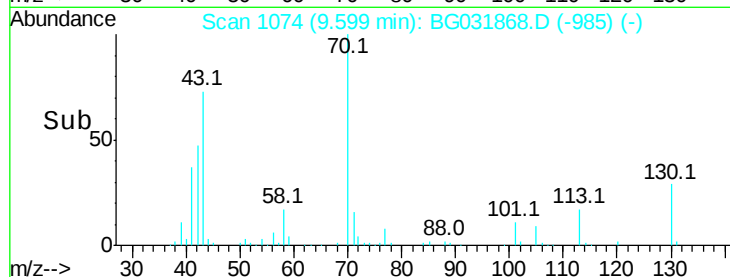
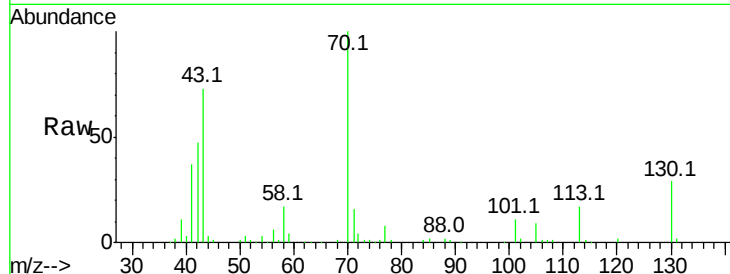
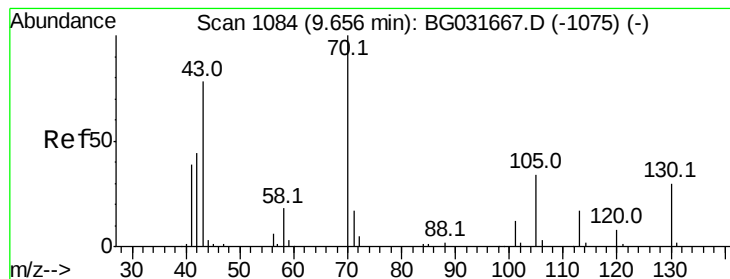
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 107   | Resp: | 75915 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 107.4 | 83.9  | 125.9 |
| 77       | 40.5  | 37.2  | 55.8  |
| 79       | 44.8  | 36.2  | 54.2  |



#18  
 Hexachloroethane  
 Concen: 32.597 ng  
 RT: 9.91 min Scan# 1127  
 Delta R.T. -0.01 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 40818 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 84.3  | 76.7  | 115.1 |
| 201      | 137.2 | 95.7  | 143.5 |





#19

n-Nitroso-di-n-propylamine

Concen: 39.689 ng

RT: 9.60 min Scan# 1074

Delta R.T. -0.00 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 70 Resp: 98877

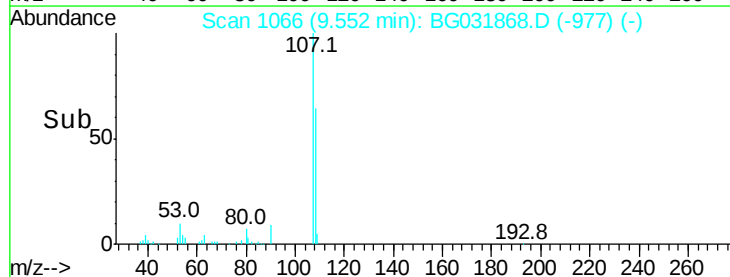
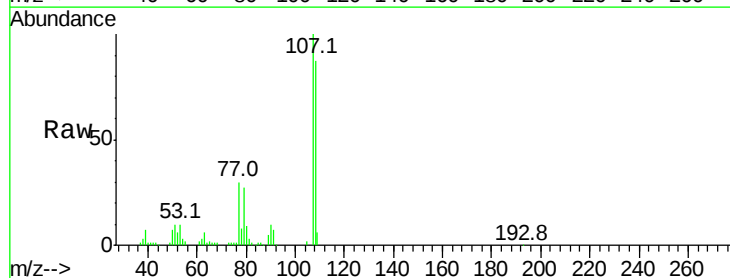
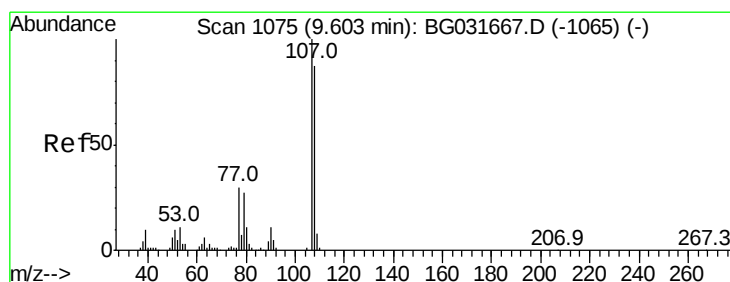
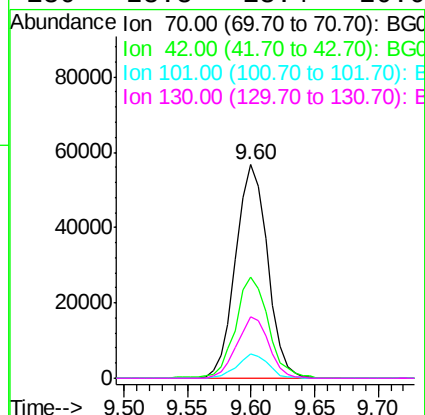
Ion Ratio Lower Upper

70 100

42 47.2 49.1 73.7#

101 11.4 8.5 12.7

130 28.8 13.4 20.0#



#20

3+4-Methylphenols

Concen: 24.663 ng

RT: 9.55 min Scan# 1066

Delta R.T. -0.00 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

Tgt Ion:107 Resp: 92370

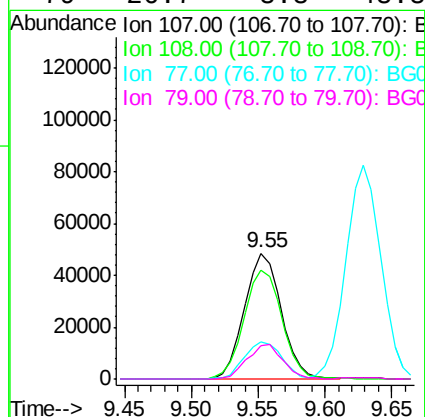
Ion Ratio Lower Upper

107 100

108 86.6 61.6 101.6

77 29.9 13.9 53.9

79 26.7 8.8 48.8

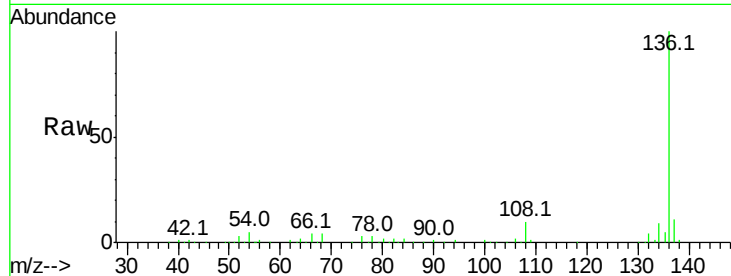




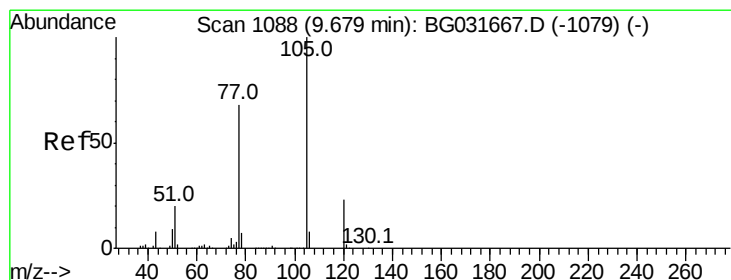
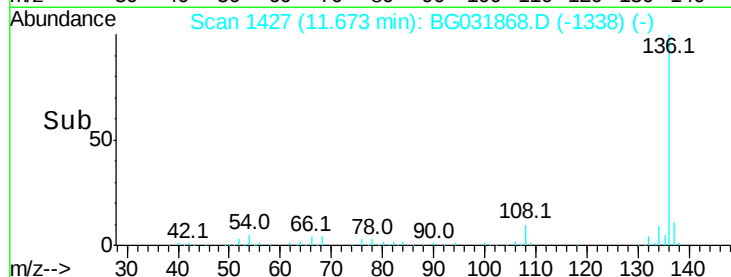
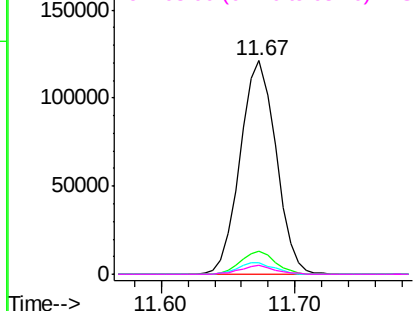
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.67 min Scan# 1427  
Delta R.T. -0.00 min  
Lab File: BG031868.D  
Acq: 29 Dec 2017 23:50

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tot Ion:136 | Resp: | 225148     |
| Ion Ratio   | Lower | Upper      |
| 136         | 100   |            |
| 137         | 11.1  | 9.2 13.8   |
| 54          | 5.2   | 10.3 15.5# |
| 68          | 4.4   | 4.5 6.7#   |

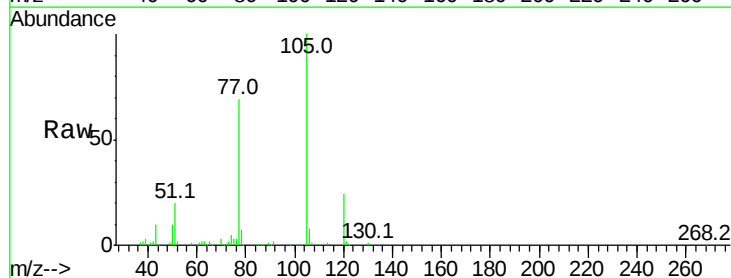


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

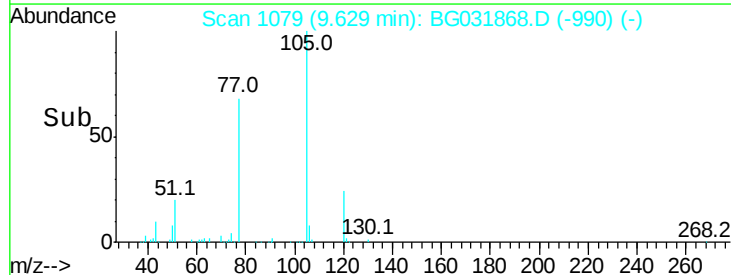
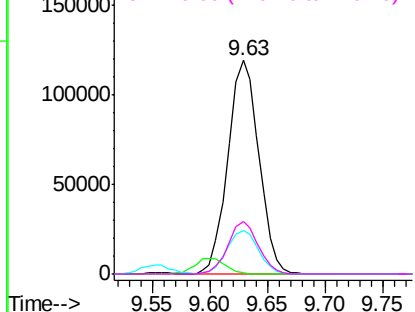


#22  
Acetophenone  
Concen: 42.341 ng  
RT: 9.63 min Scan# 1079  
Delta R.T. -0.00 min  
Lab File: BG031868.D  
Acq: 29 Dec 2017 23:50

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:105 | Resp: | 221479     |
| Ion Ratio   | Lower | Upper      |
| 105         | 100   |            |
| 71          | 0.5   | 3.0 4.4#   |
| 51          | 20.4  | 26.1 39.1# |
| 120         | 24.4  | 17.4 26.2  |



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

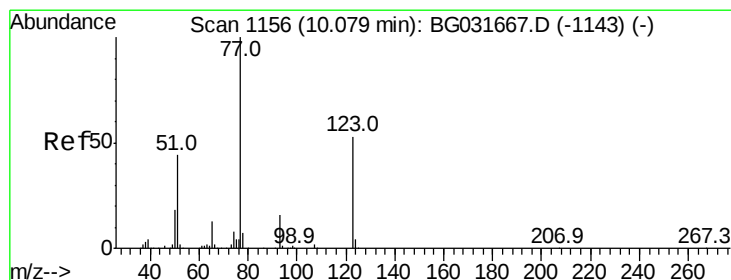
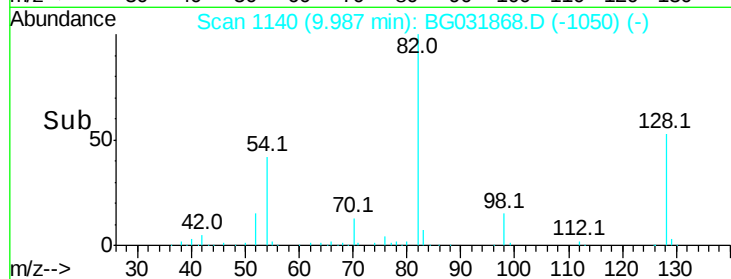
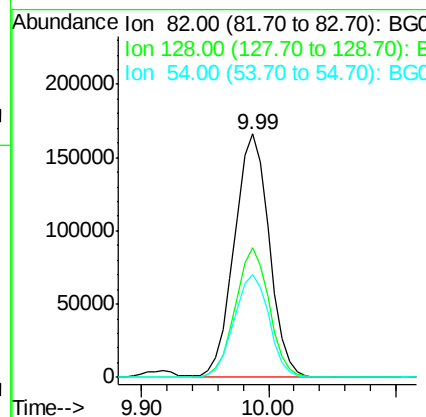
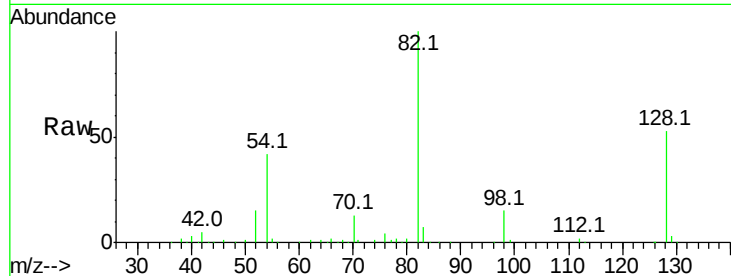




#23  
 Nitrobenzene-d5  
 Concen: 105.831 ng  
 RT: 9.99 min Scan# 1140  
 Delta R.T. 0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

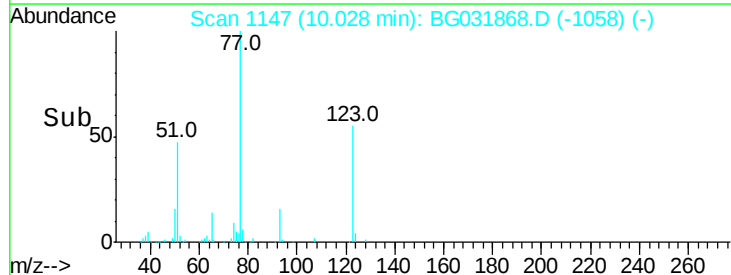
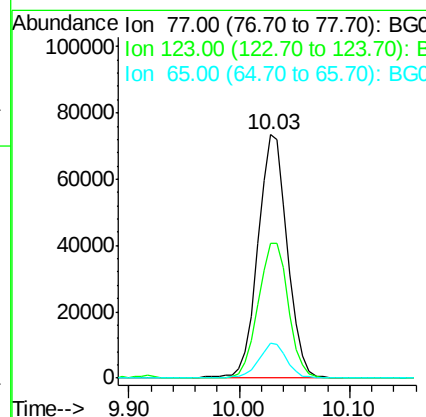
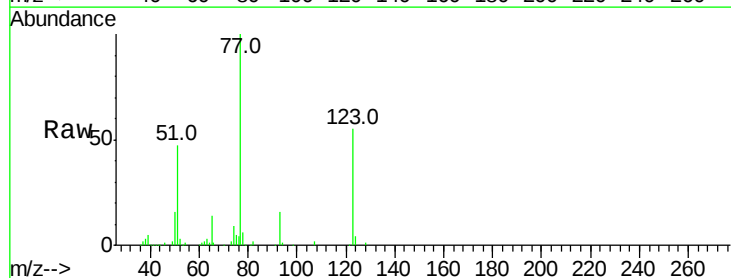
Instrument :  
 BNA\_G  
 ClientSampled :

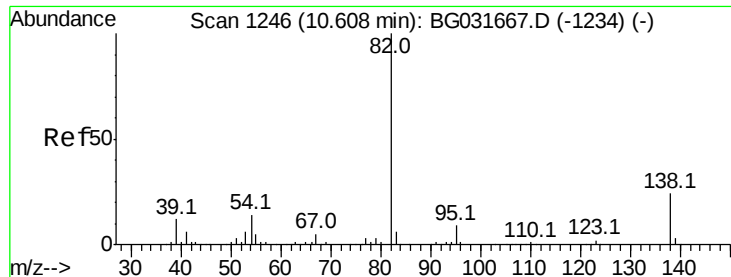
| Tot Ion   | 82   | Resp  | 315546 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 53.3 | 29.7  | 44.5#  |
| 54        | 42.0 | 43.1  | 64.7#  |



#24  
 Nitrobenzene  
 Concen: 44.549 ng  
 RT: 10.03 min Scan# 1147  
 Delta R.T. -0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

| Tgt Ion   | 77   | Resp  | 136898 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 123       | 55.3 | 33.0  | 49.6#  |
| 65        | 14.3 | 13.0  | 19.6   |





#25

Isophorone

Concen: 44.007 ng

RT: 10.55 min Scan# 1236

Delta R.T. -0.00 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

Instrument :

BNA\_G

ClientSampleId :

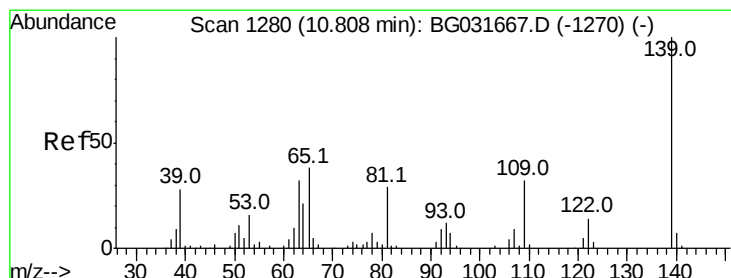
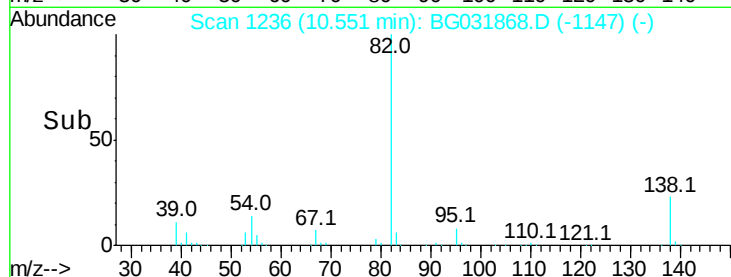
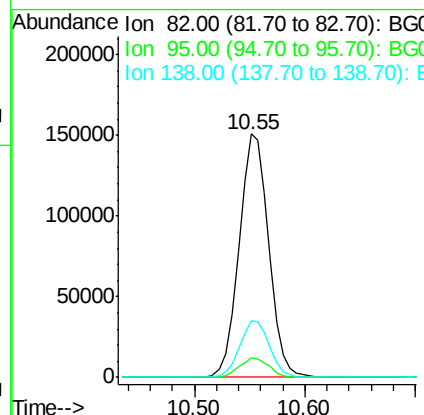
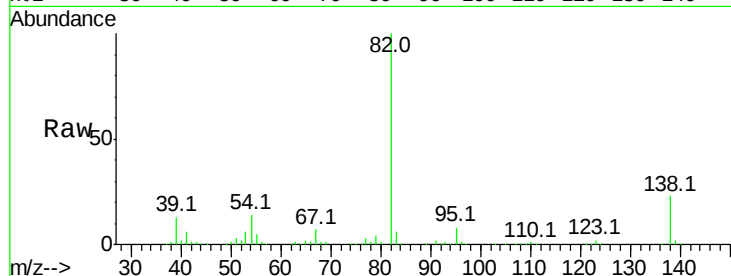
Tot Ion: 82 Resp: 282464

Ion Ratio Lower Upper

82 100

95 8.2 6.2 9.2

138 23.3 12.1 18.1#



#26

2-Nitrophenol

Concen: 48.283 ng

RT: 10.76 min Scan# 1271

Delta R.T. -0.00 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

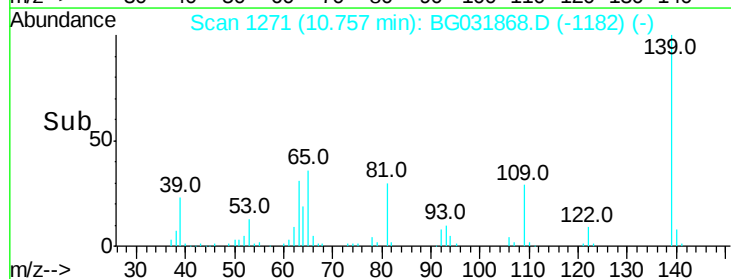
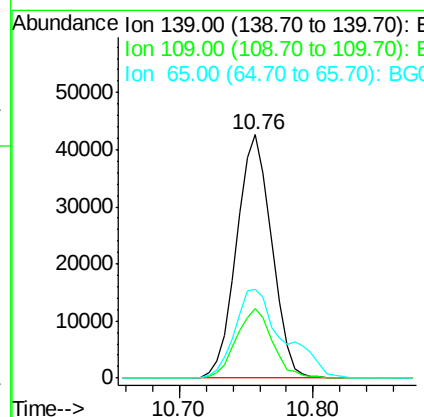
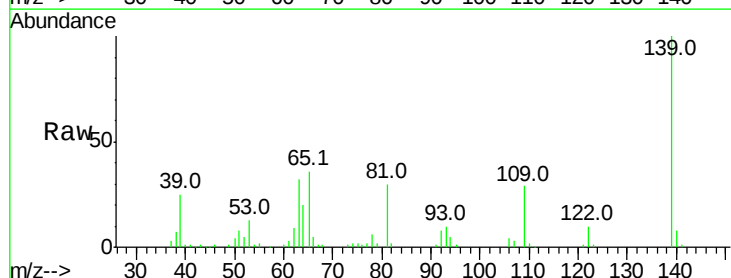
Tgt Ion:139 Resp: 77793

Ion Ratio Lower Upper

139 100

109 28.5 24.2 36.2

65 36.4 47.4 71.0#

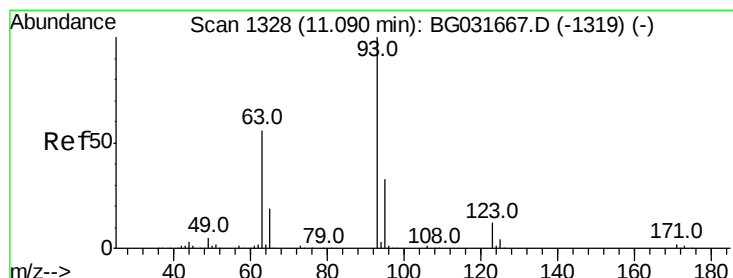
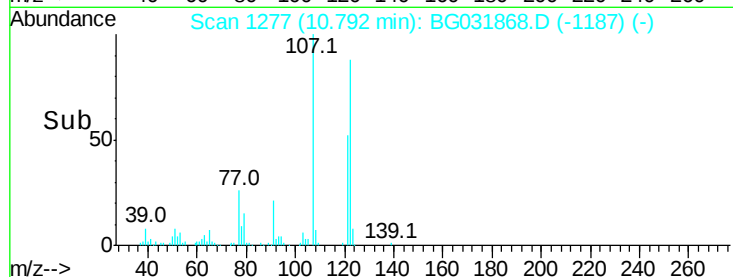
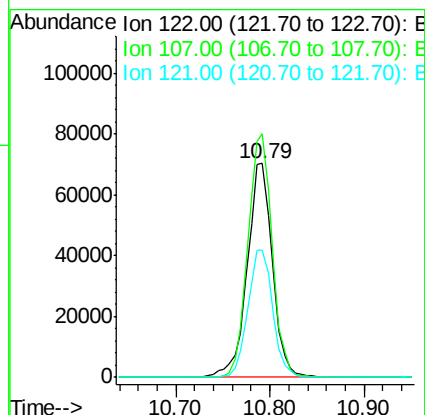
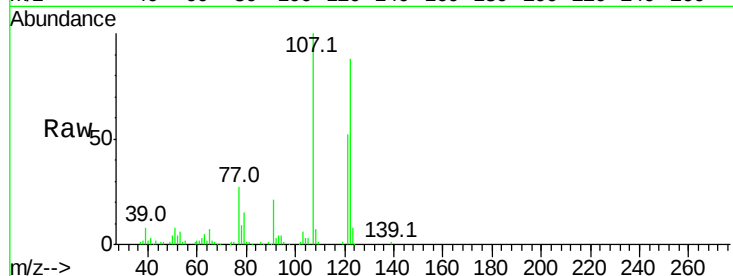




#27  
2,4-Dimethylphenol  
Concen: 38.602 ng  
RT: 10.79 min Scan# 1277  
Delta R.T. -0.00 min  
Lab File: BG031868.D  
Acq: 29 Dec 2017 23:50

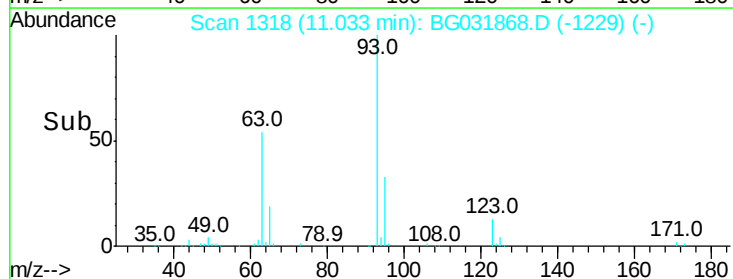
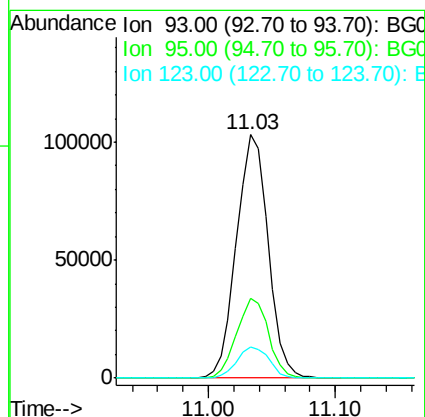
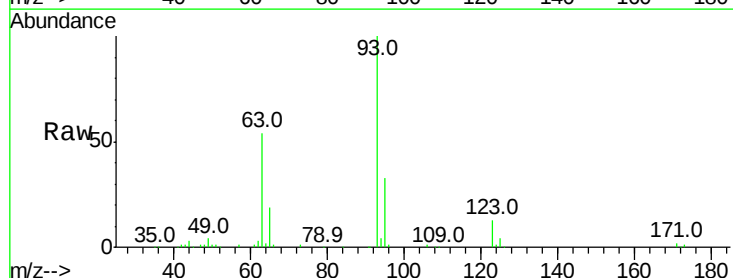
Instrument :  
BNA\_G  
ClientSampled :

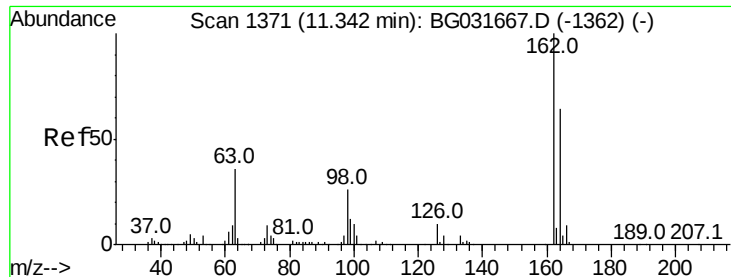
Tot Ion:122 Resp: 130878  
Ion Ratio Lower Upper  
122 100  
107 113.9 100.2 150.2  
121 59.5 44.4 66.6



#28  
bis(2-Chloroethoxy)methane  
Concen: 41.462 ng  
RT: 11.03 min Scan# 1318  
Delta R.T. -0.00 min  
Lab File: BG031868.D  
Acq: 29 Dec 2017 23:50

Tgt Ion: 93 Resp: 178569  
Ion Ratio Lower Upper  
93 100  
95 32.9 24.3 36.5  
123 12.9 8.4 12.6#

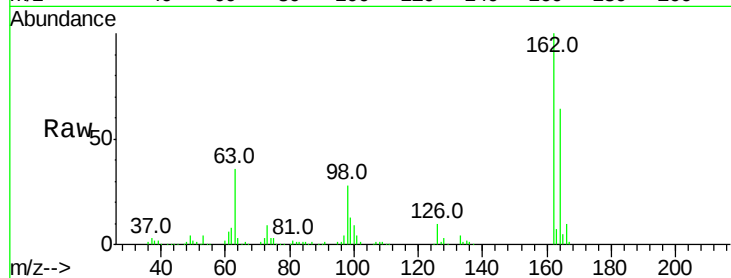




#29  
 2,4-Dichlorophenol  
 Concen: 41.478 ng  
 RT: 11.30 min Scan# 1363  
 Delta R.T. -0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.0  | 48.0  | 88.0  |
| 98      | 28.4  | 21.1  | 61.1  |

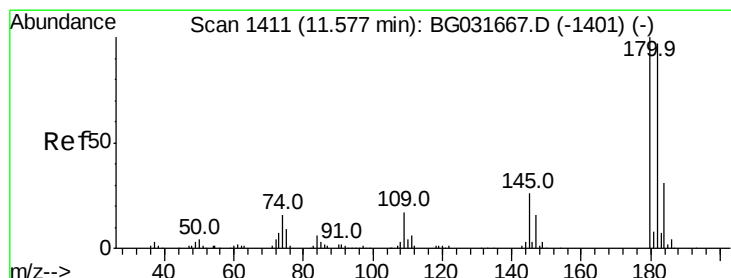
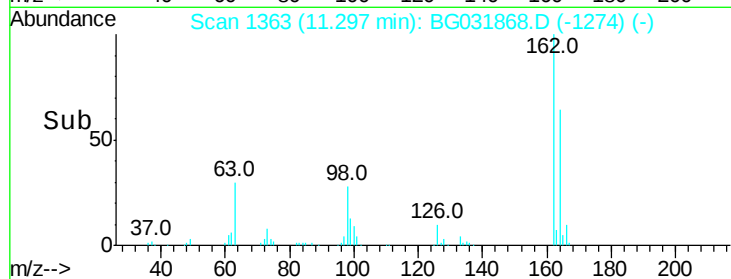
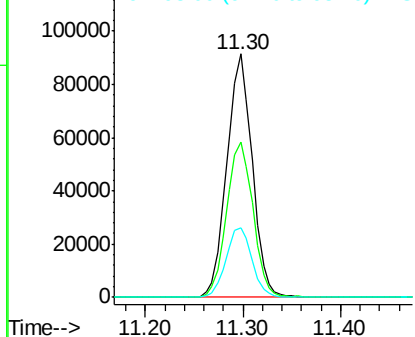


Abundance

Ion 162.00 (161.70 to 162.70): E

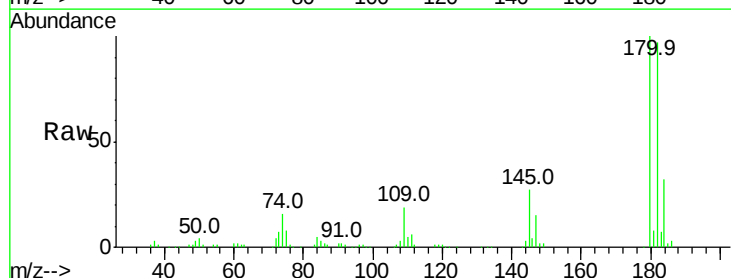
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



#30  
 1,2,4-Trichlorobenzene  
 Concen: 35.548 ng  
 RT: 11.52 min Scan# 1401  
 Delta R.T. -0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.3  | 77.5  | 116.3 |
| 145     | 27.4  | 23.4  | 35.2  |

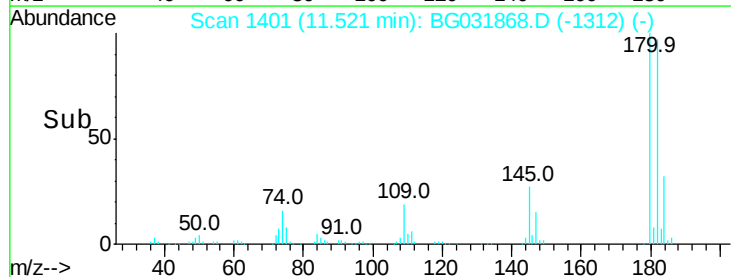
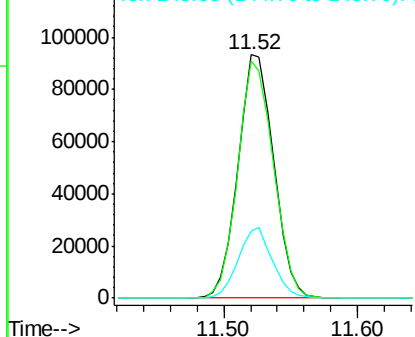


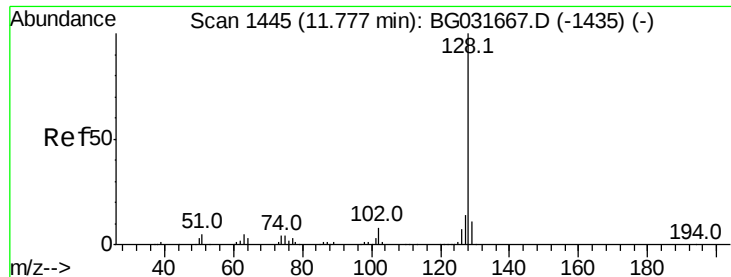
Abundance

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

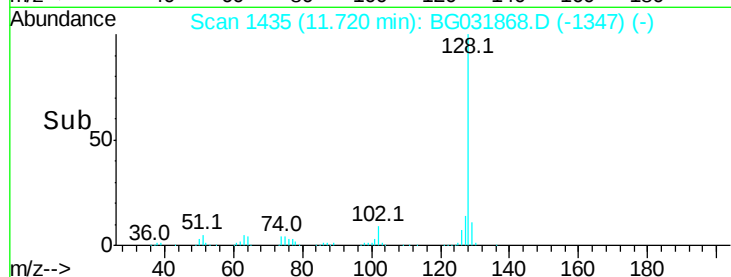
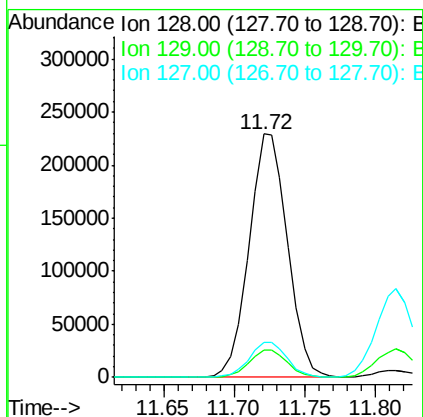
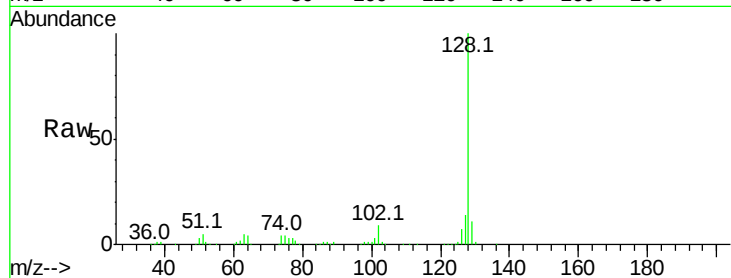




#31  
Naphthalene  
Concen: 38.427 ng  
RT: 11.72 min Scan# 1435  
Delta R.T. -0.01 min  
Lab File: BG031868.D  
Acq: 29 Dec 2017 23:50

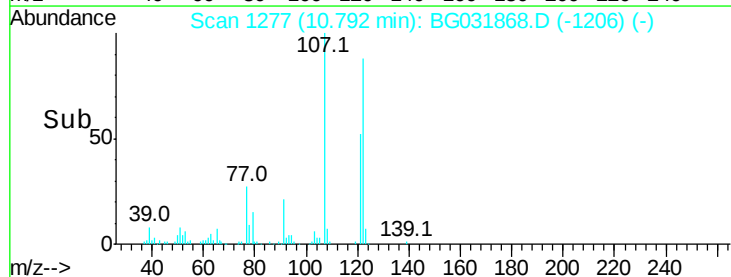
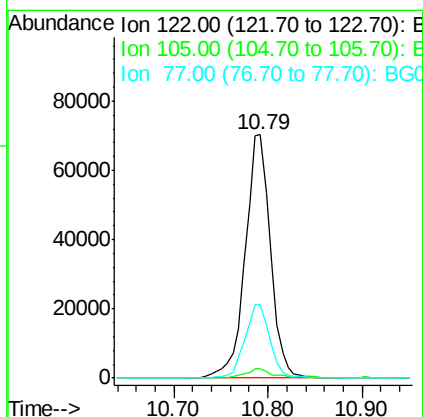
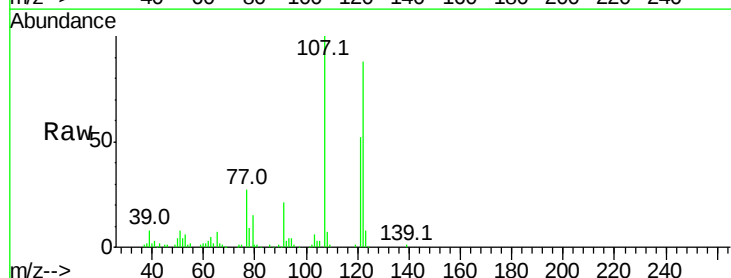
Instrument :  
BNA\_G  
ClientSampleId :

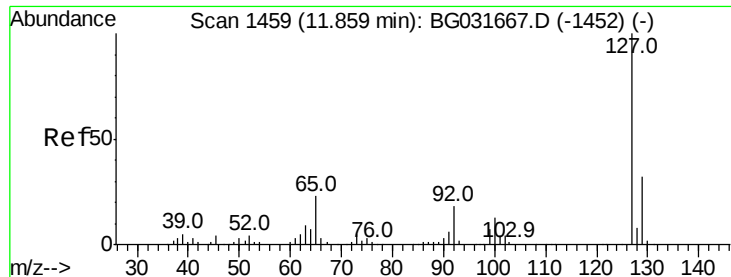
Tot Ion:128 Resp: 436639  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.6 12.8  
127 14.1 11.6 17.4



#32  
Benzoic acid  
Concen: 55.407 ng  
RT: 10.79 min Scan# 1277  
Delta R.T. -0.11 min  
Lab File: BG031868.D  
Acq: 29 Dec 2017 23:50

Tgt Ion:122 Resp: 130878  
Ion Ratio Lower Upper  
122 100  
105 3.6 123.5 163.5#  
77 30.2 85.7 125.7#

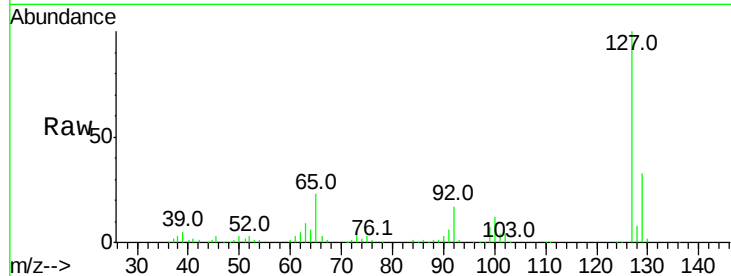




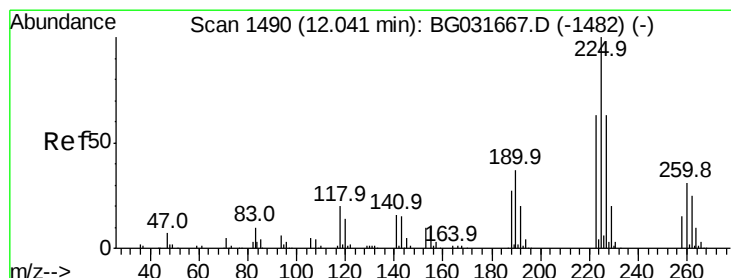
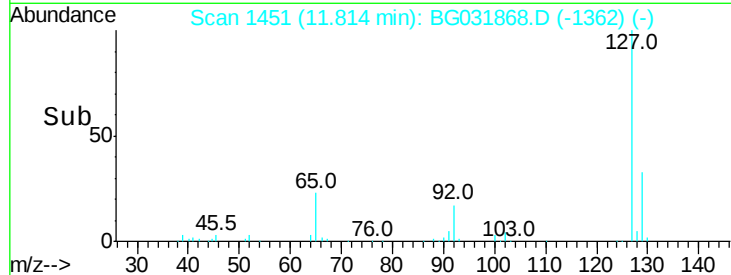
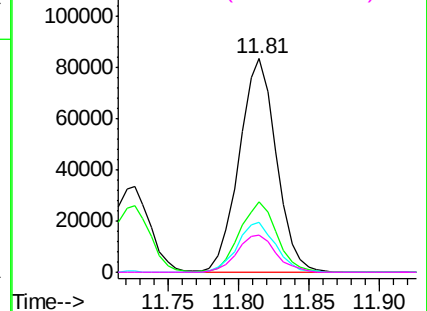
#33  
4-Chloroaniline  
Concen: 30.181 ng  
RT: 11.81 min Scan# 1451  
Delta R.T. -0.00 min  
Lab File: BG031868.D  
Acq: 29 Dec 2017 23:50

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 152677 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.8  | 24.0  | 36.0   |
| 65       | 23.2  | 27.0  | 40.4   |
| 92       | 17.3  | 16.6  | 25.0   |

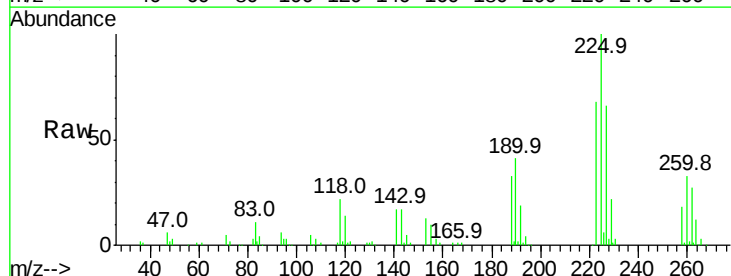


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC

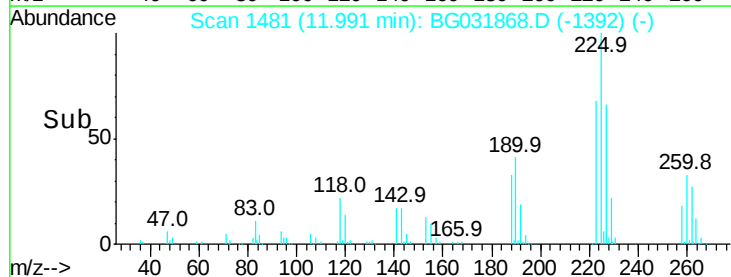
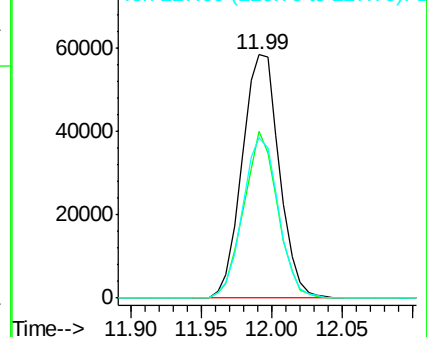


#34  
Hexachlorobutadiene  
Concen: 32.285 ng  
RT: 11.99 min Scan# 1481  
Delta R.T. -0.00 min  
Lab File: BG031868.D  
Acq: 29 Dec 2017 23:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 107717 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 68.4  | 49.7  | 74.5   |
| 227      | 66.1  | 48.1  | 72.1   |



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: 5.877 ng

RT: 12.54 min Scan# 1575

Delta R.T. -0.03 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

Instrument :

BNA\_G

ClientSampled :

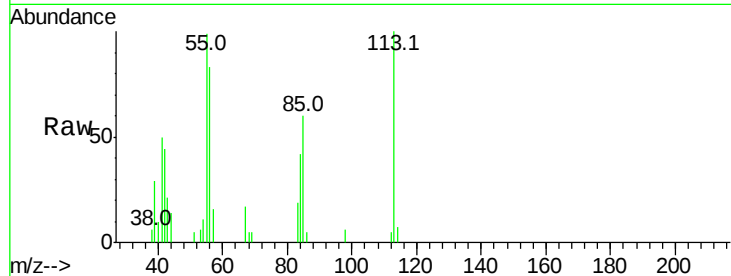
Tot Ion:113 Resp: 7090

Ion Ratio Lower Upper

113 100

55 99.4 186.9 226.9#

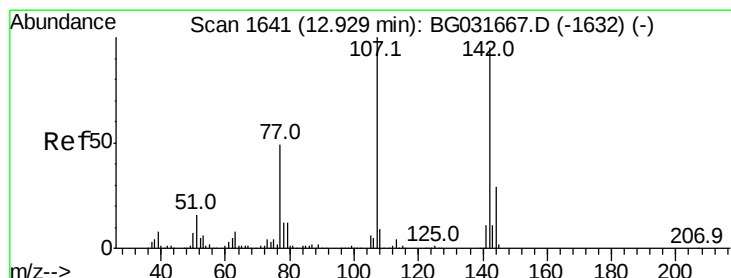
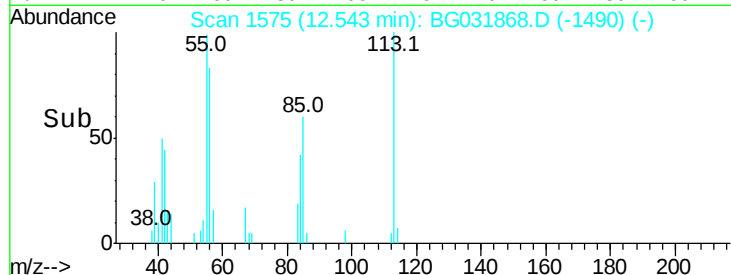
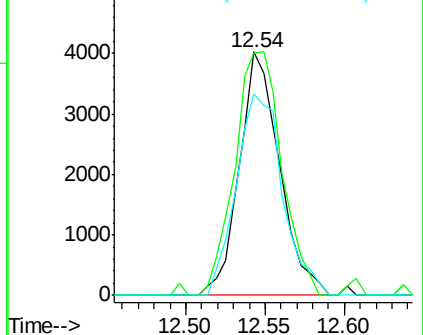
56 82.7 130.9 170.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 38.891 ng

RT: 12.88 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

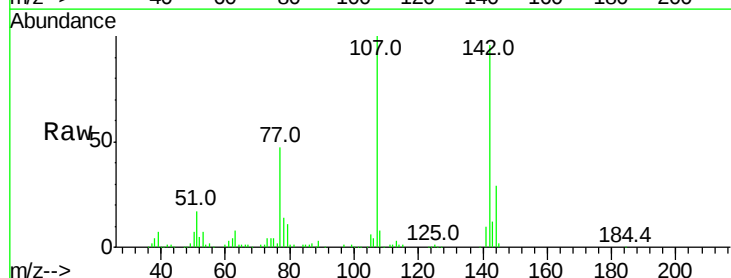
Tgt Ion:107 Resp: 142961

Ion Ratio Lower Upper

107 100

144 29.4 18.2 27.4#

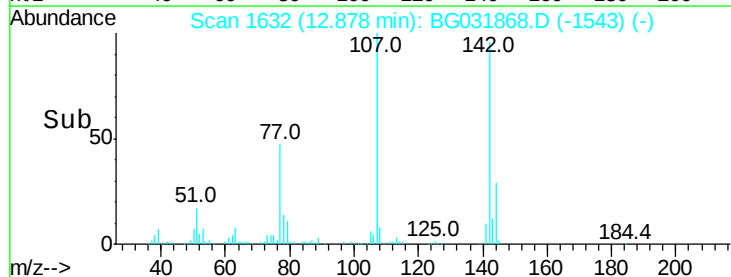
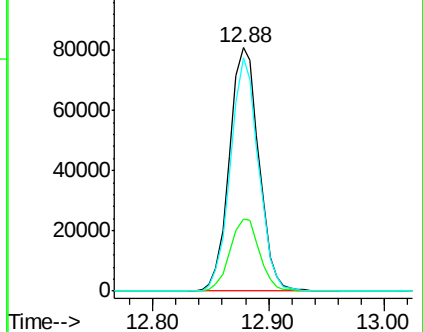
142 95.7 59.0 88.4#

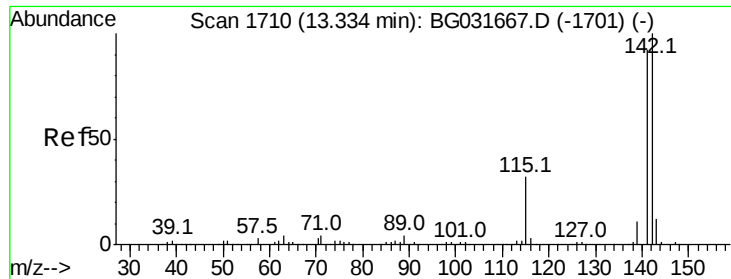


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

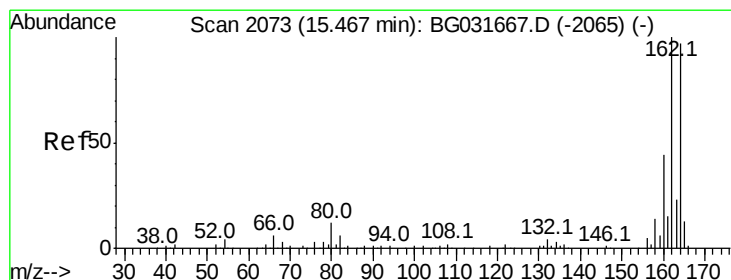
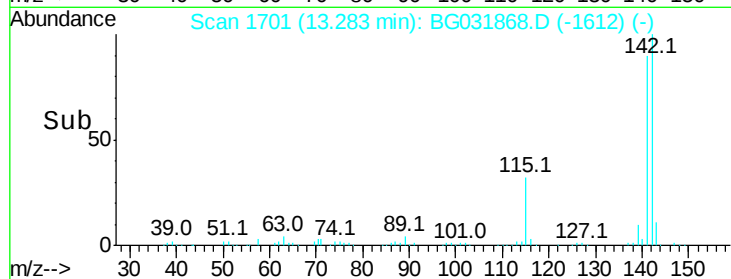
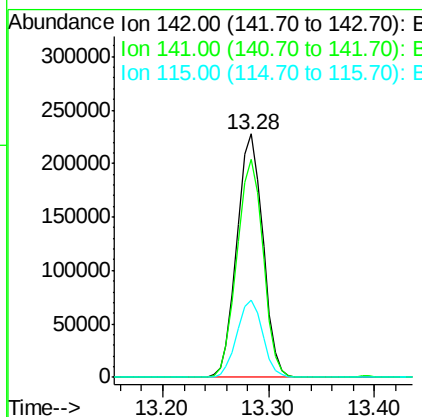
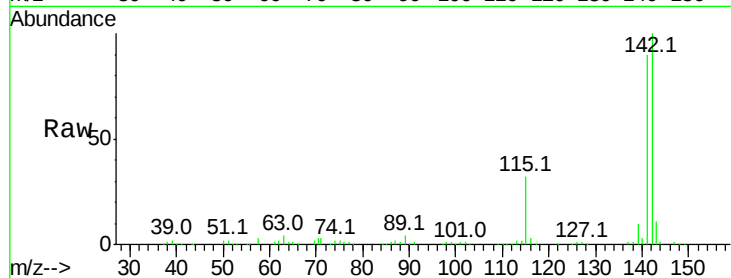




#37  
 2-Methylnaphthalene  
 Concen: 41.932 ng  
 RT: 13.28 min Scan# 1701  
 Delta R.T. -0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

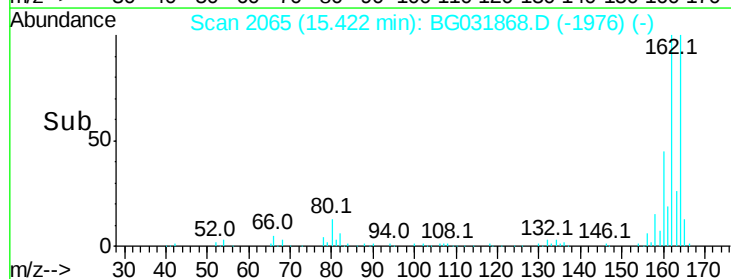
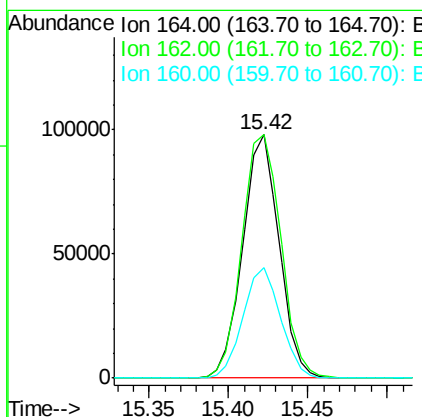
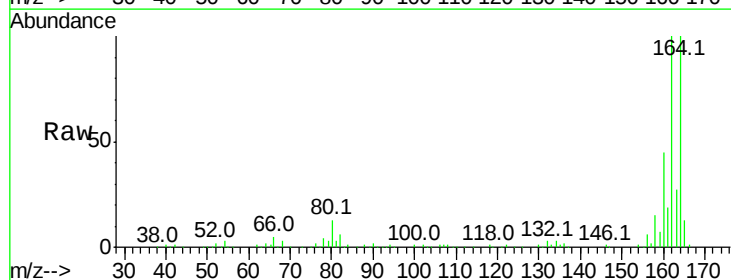
Instrument :  
 BNA\_G  
 ClientSampleId :

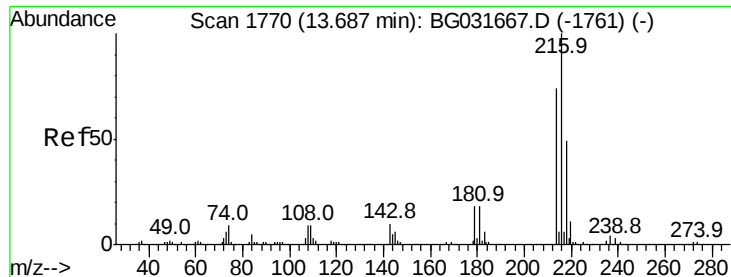
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.7  | 67.1  | 100.7 |
| 115     | 31.5  | 30.7  | 46.1  |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.42 min Scan# 2065  
 Delta R.T. -0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.1 | 78.8  | 118.2 |
| 160     | 45.4  | 35.4  | 53.0  |

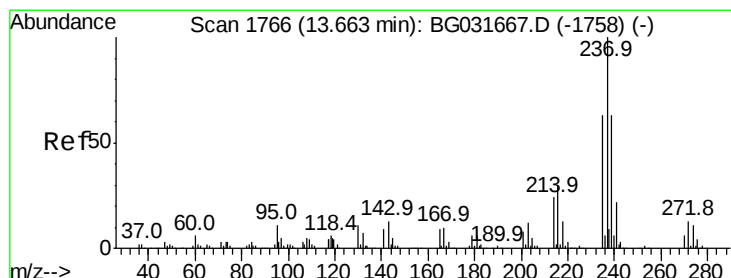
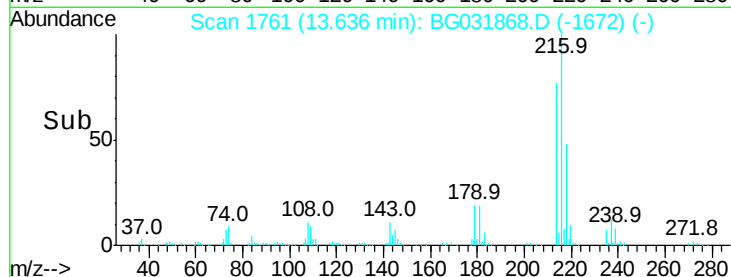
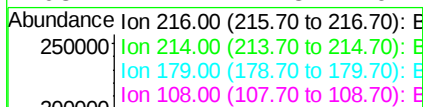
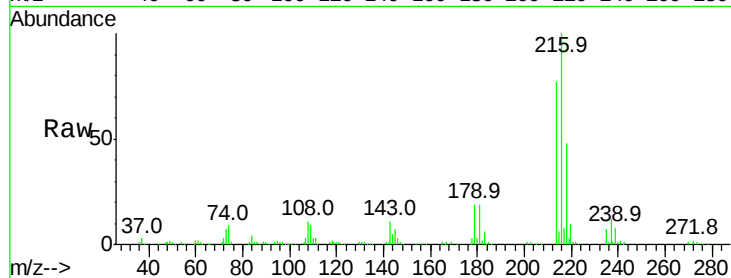




#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 40.303 ng  
 RT: 13.64 min Scan# 1761  
 Delta R.T. -0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

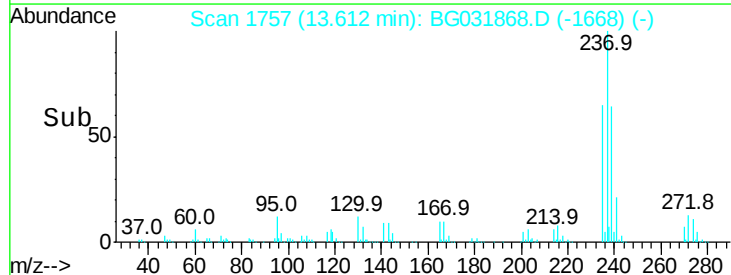
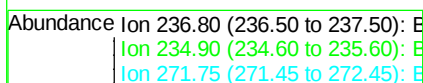
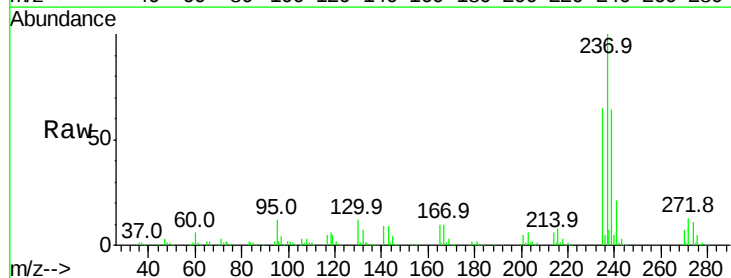
Instrument :  
 BNA\_G  
 ClientSampled :

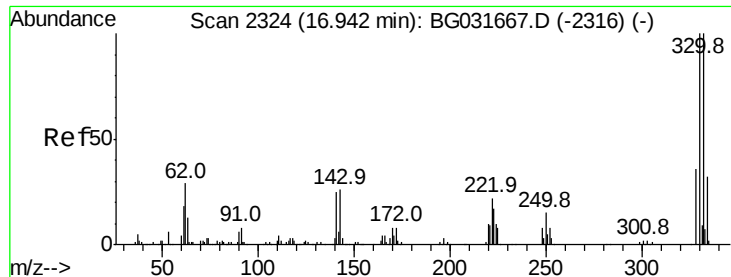
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 216   | Resp: | 265313 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 76.8  | 63.0  | 94.4   |
| 179      | 18.2  | 17.0  | 25.6   |
| 108      | 12.1  | 12.8  | 19.2#  |



#40  
 Hexachlorocyclopentadiene  
 Concen: 82.061 ng  
 RT: 13.61 min Scan# 1757  
 Delta R.T. -0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 237   | Resp: | 284983 |
| Ion      | Ratio | Lower | Upper  |
| 237      | 100   |       |        |
| 235      | 64.6  | 50.4  | 90.4   |
| 272      | 13.4  | 0.0   | 31.8   |

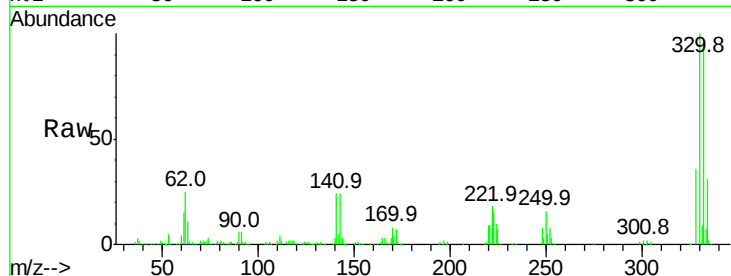




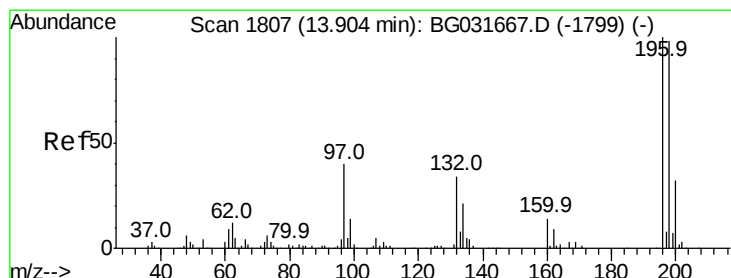
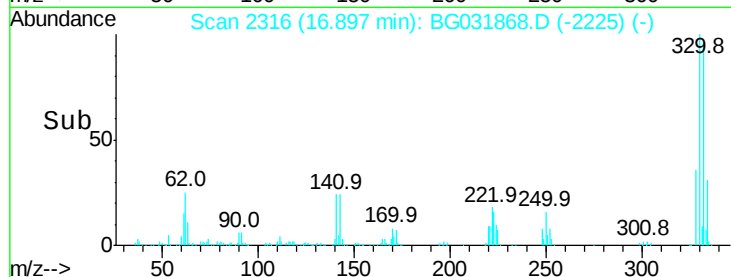
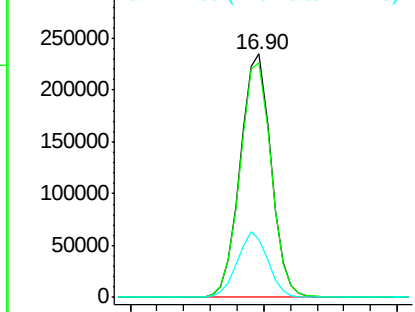
#41  
 2,4,6-Tribromophenol  
 Concen: 157.252 ng  
 RT: 16.90 min Scan# 2316  
 Delta R.T. 0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:330 Resp: 375008  
 Ion Ratio Lower Upper  
 330 100  
 332 98.0 77.0 115.6  
 141 26.6 25.2 37.8

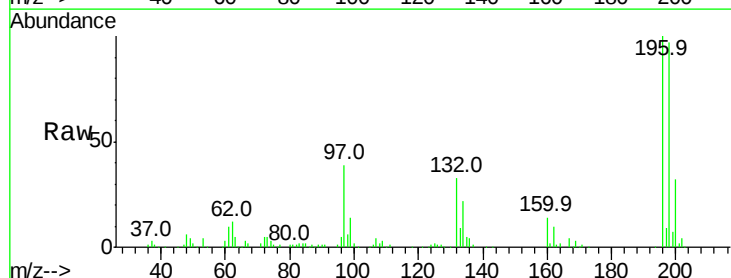


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

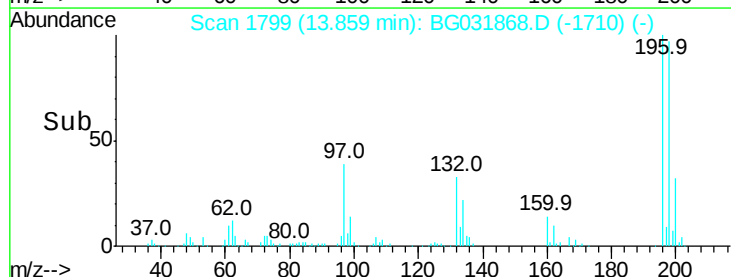
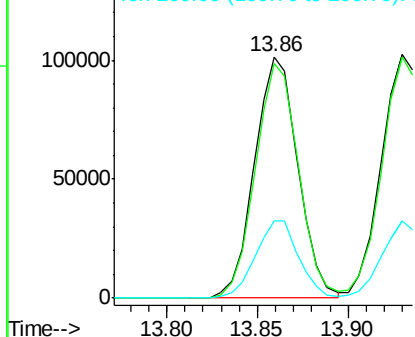


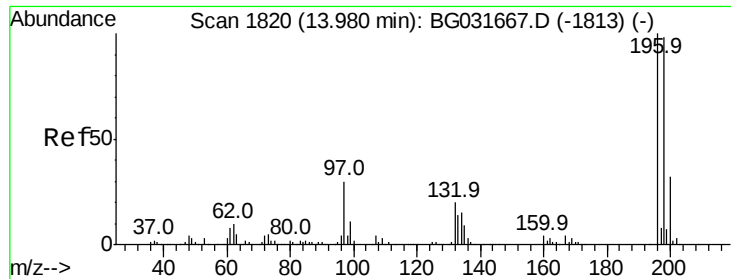
#42  
 2,4,6-Trichlorophenol  
 Concen: 44.256 ng  
 RT: 13.86 min Scan# 1799  
 Delta R.T. -0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

Tgt Ion:196 Resp: 167974  
 Ion Ratio Lower Upper  
 196 100  
 198 97.2 78.2 117.2  
 200 31.9 24.6 36.8



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

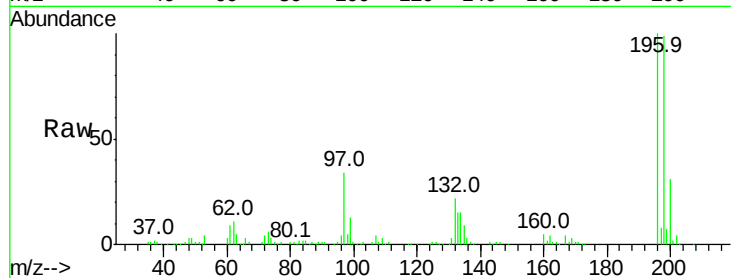




#43  
 2,4,5-Trichlorophenol  
 Concen: 42.935 ng  
 RT: 13.93 min Scan# 1811  
 Delta R.T. -0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 99.2  | 76.2  | 114.4 |
| 97      | 33.6  | 38.7  | 58.1  |
| 132     | 21.7  | 20.2  | 30.2  |



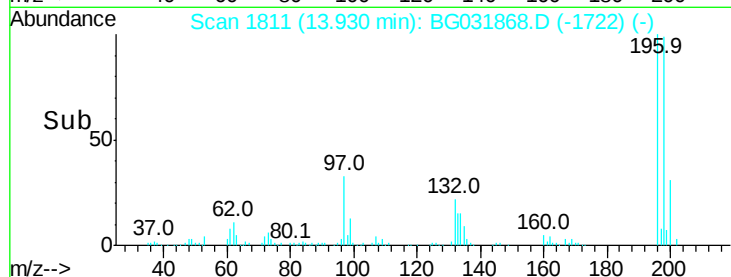
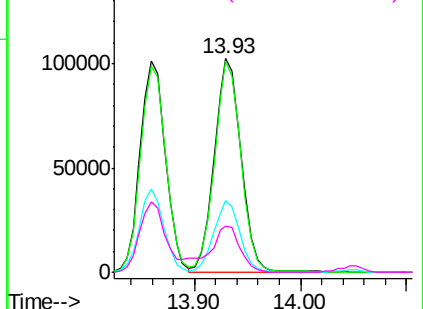
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

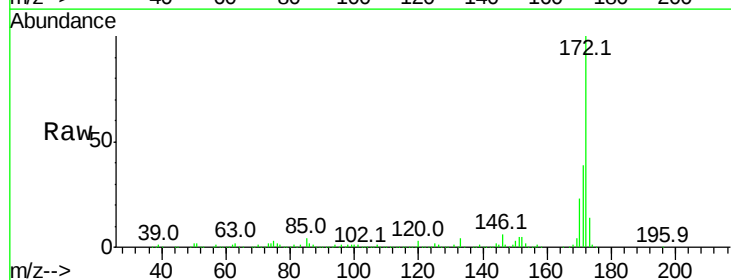
Ion 97.00 (96.70 to 97.70): BG

Ion 132.00 (131.70 to 132.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 88.921 ng  
 RT: 14.05 min Scan# 1831  
 Delta R.T. -0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.6  | 30.0  | 45.0  |
| 170     | 22.9  | 19.5  | 29.3  |

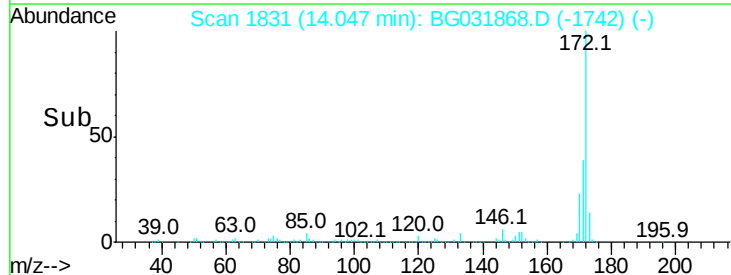
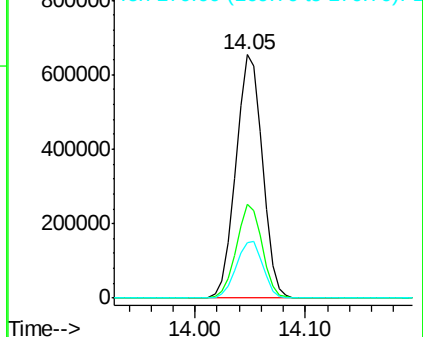


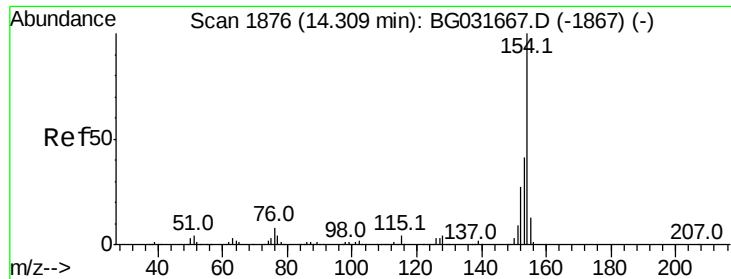
Abundance

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

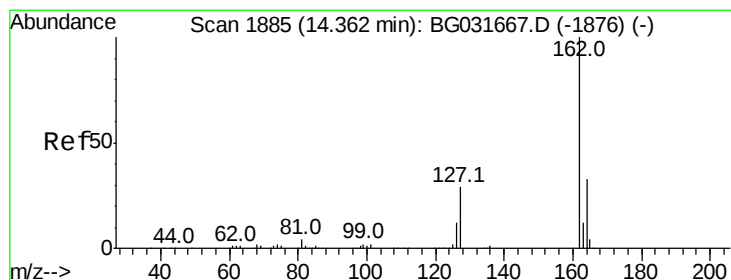
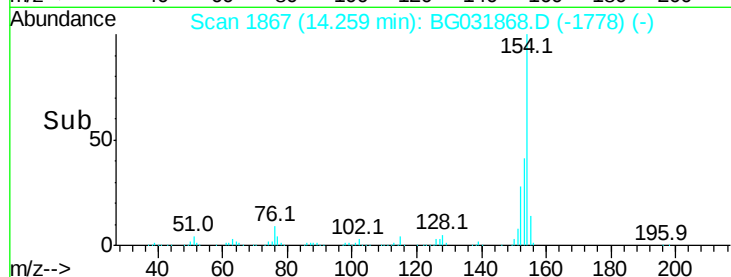
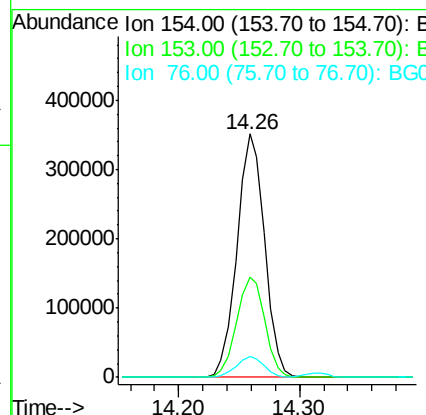
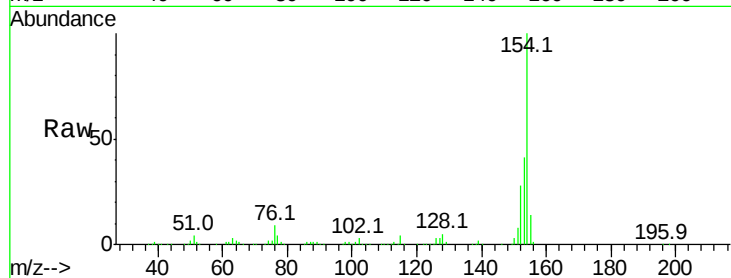




#45  
 1,1'-Biphenyl  
 Concen: 41.863 ng  
 RT: 14.26 min Scan# 1867  
 Delta R.T. -0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

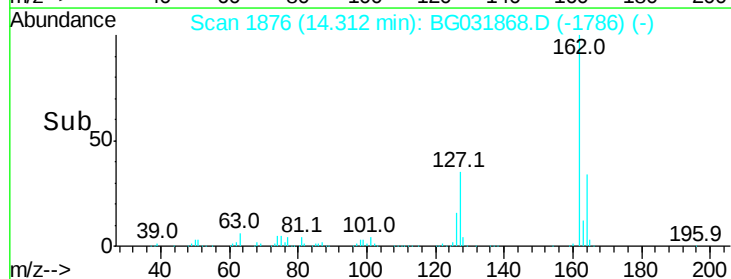
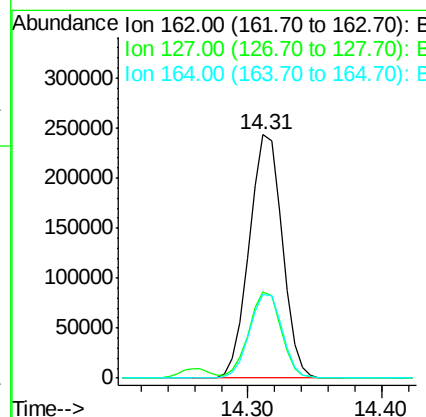
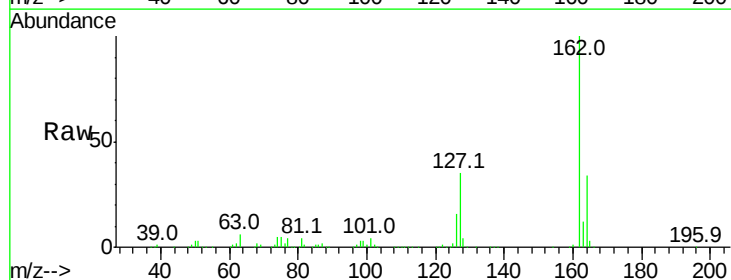
Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:154 Resp: 558808  
 Ion Ratio Lower Upper  
 154 100  
 153 41.3 19.8 59.8  
 76 8.5 0.0 31.9



#46  
 2-Chloronaphthalene  
 Concen: 40.791 ng  
 RT: 14.31 min Scan# 1876  
 Delta R.T. -0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

Tgt Ion:162 Resp: 415317  
 Ion Ratio Lower Upper  
 162 100  
 127 35.3 30.7 46.1  
 164 34.5 26.0 39.0





#47

2-Nitroaniline

Concen: 53.607 ng

RT: 14.49 min Scan# 1907

Delta R.T. -0.00 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

Instrument :

BNA\_G

ClientSampled :

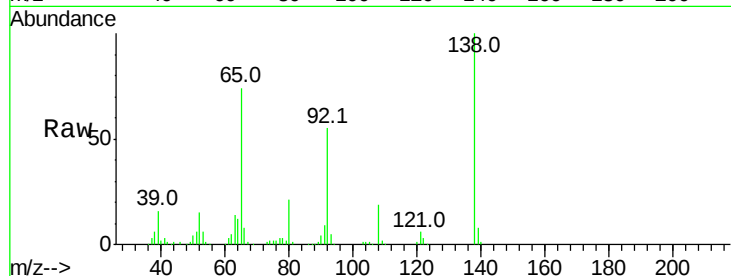
Tot Ion: 65 Resp: 94266

Ion Ratio Lower Upper

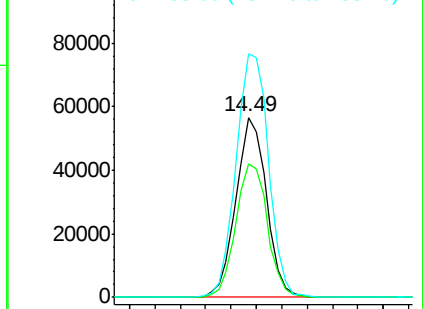
65 100

92 74.0 54.6 82.0

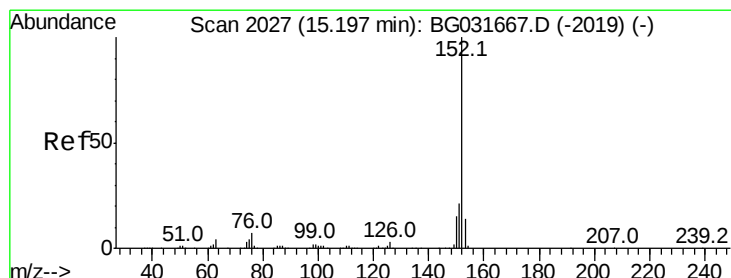
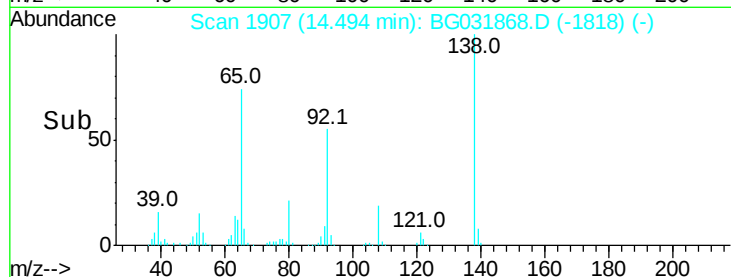
138 135.5 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC  
Ion 138.00 (137.70 to 138.70): BGC



Time--> 14.40 14.50 14.60



#48

Acenaphthylene

Concen: 40.101 ng

RT: 15.15 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

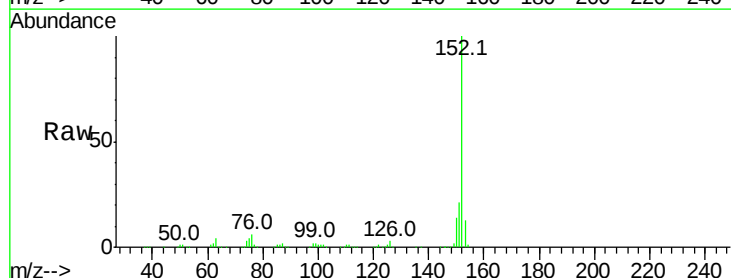
Tgt Ion: 152 Resp: 653209

Ion Ratio Lower Upper

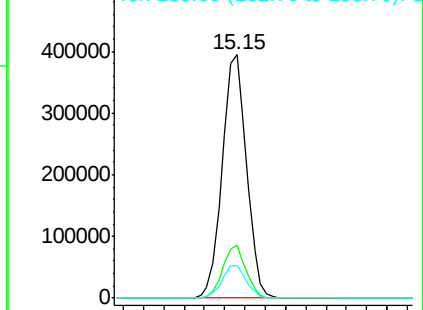
152 100

151 21.5 17.2 25.8

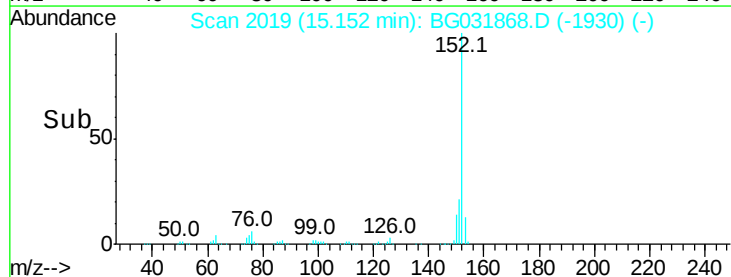
153 13.3 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): BGC  
Ion 151.00 (150.70 to 151.70): BGC  
Ion 153.00 (152.70 to 153.70): BGC



Time--> 15.10 15.20





#49

Dimethylphthalate

Concen: 41.719 ng

RT: 14.85 min Scan# 1968

Delta R.T. 0.00 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

Instrument :

BNA\_G

ClientSampleId :

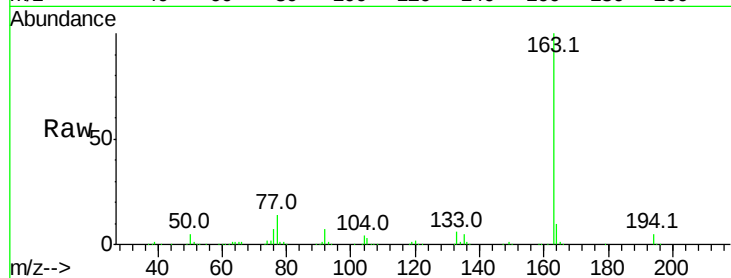
Tot Ion:163 Resp: 574412

Ion Ratio Lower Upper

163 100

194 5.0 3.4 5.2

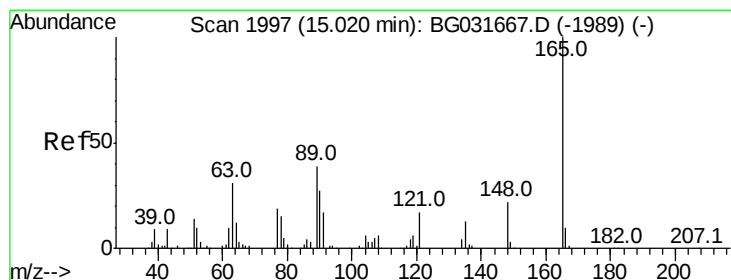
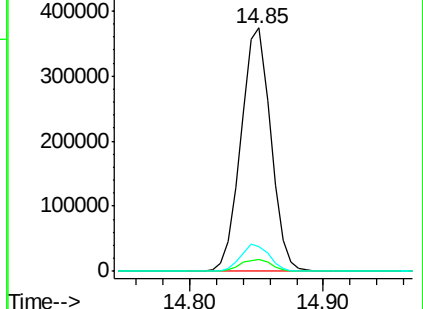
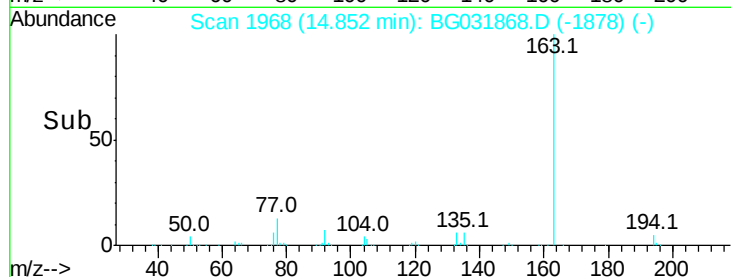
164 10.2 8.2 12.4



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: 52.142 ng

RT: 14.98 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

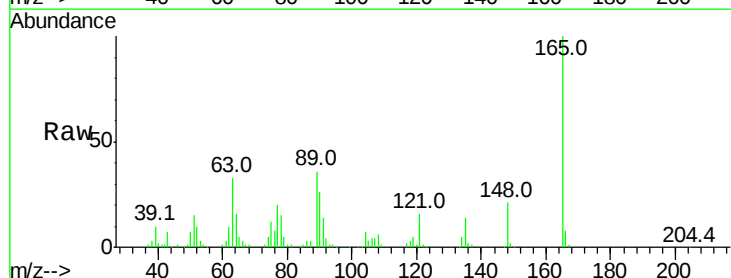
Tgt Ion:165 Resp: 132068

Ion Ratio Lower Upper

165 100

63 33.2 52.7 79.1#

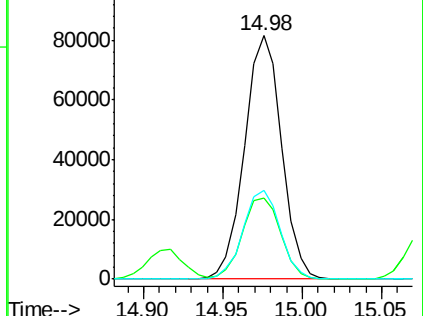
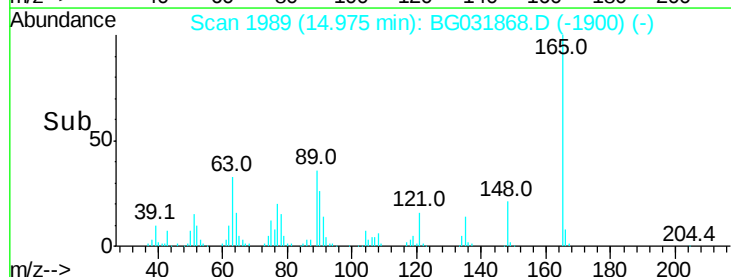
89 36.3 49.2 73.8#

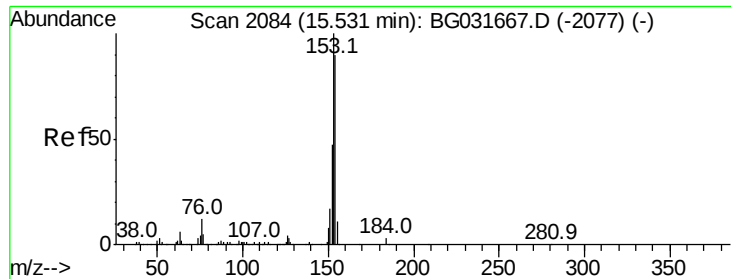


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 39.835 ng

RT: 15.49 min Scan# 2076

Delta R.T. -0.00 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

Instrument :

BNA\_G

ClientSampleId :

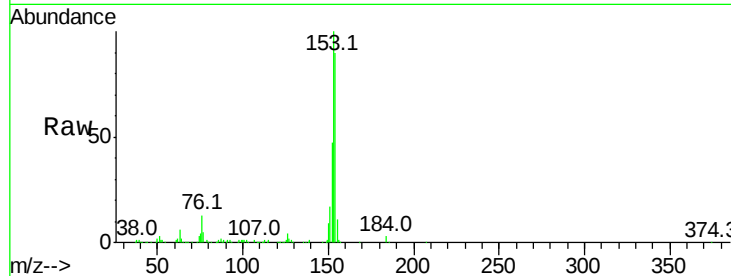
Tot Ion:154 Resp: 424960

Ion Ratio Lower Upper

154 100

153 110.6 90.4 135.6

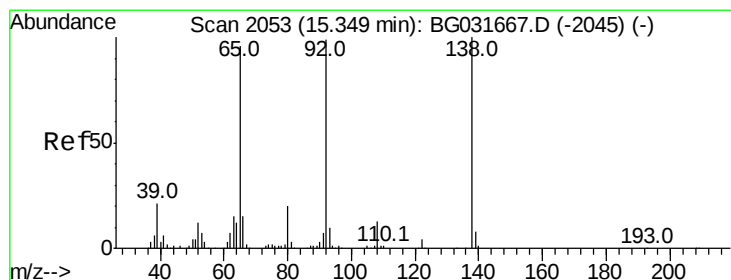
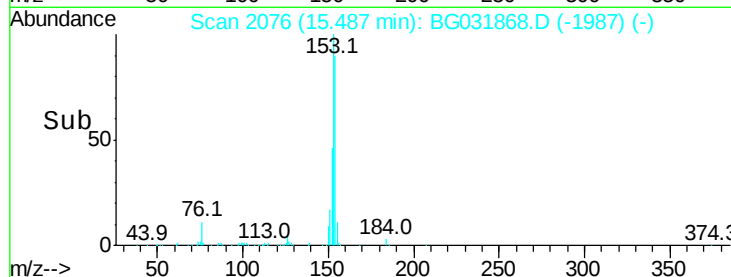
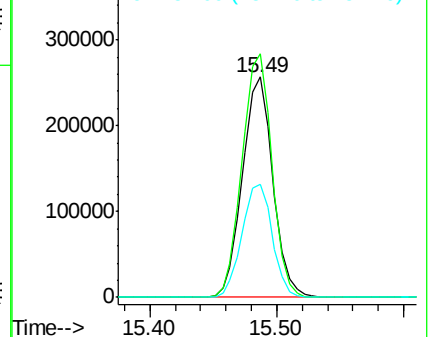
152 51.4 41.6 62.4



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: 39.206 ng

RT: 15.30 min Scan# 2045

Delta R.T. -0.00 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

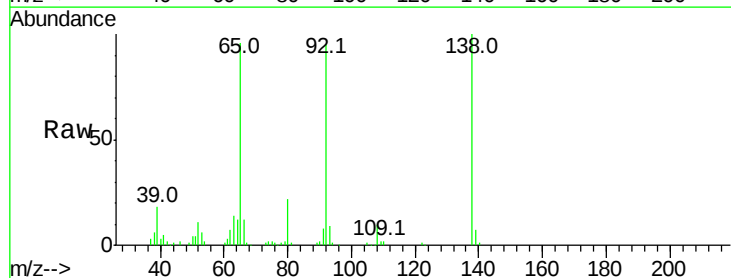
Tgt Ion:138 Resp: 96883

Ion Ratio Lower Upper

138 100

108 10.3 17.5 26.3#

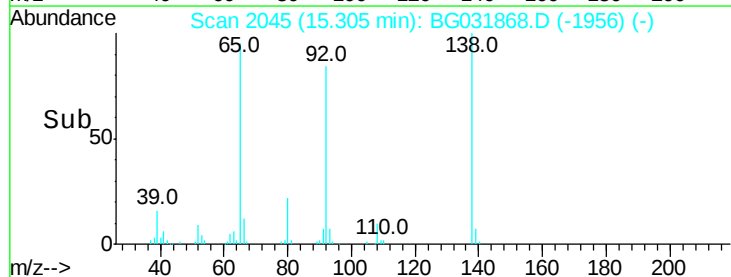
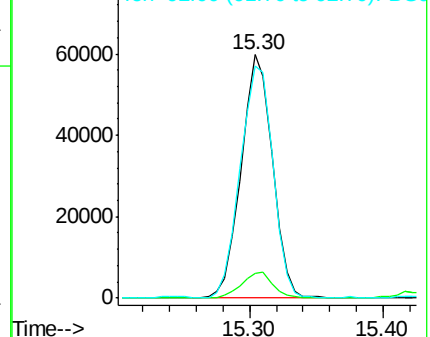
92 95.4 105.8 158.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

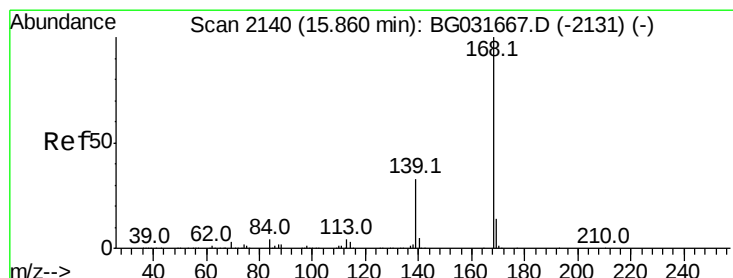
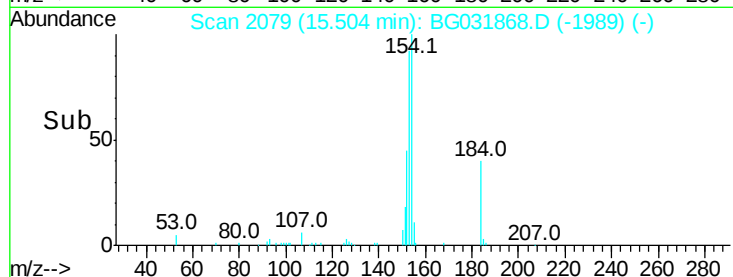
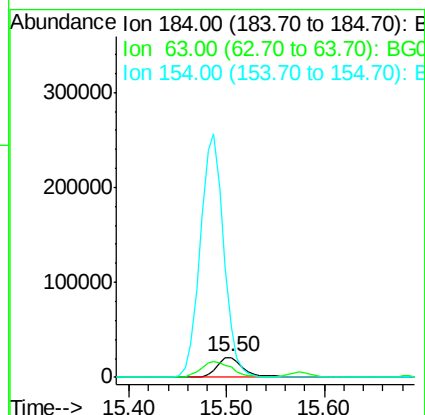
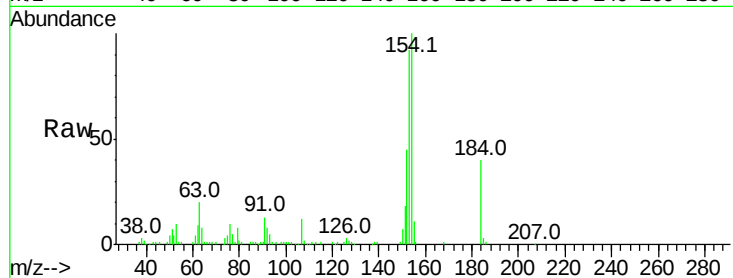




#53  
2,4-Dinitrophenol  
Concen: 41.453 ng  
RT: 15.50 min Scan# 2079  
Delta R.T. 0.00 min  
Lab File: BG031868.D  
Acq: 29 Dec 2017 23:50

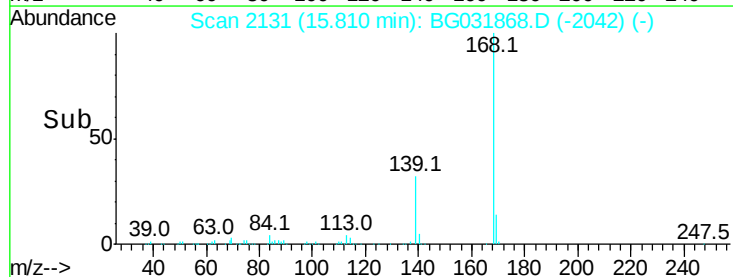
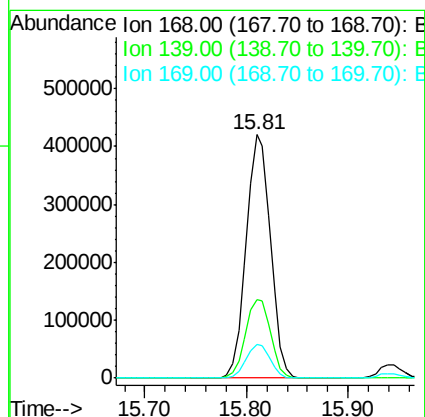
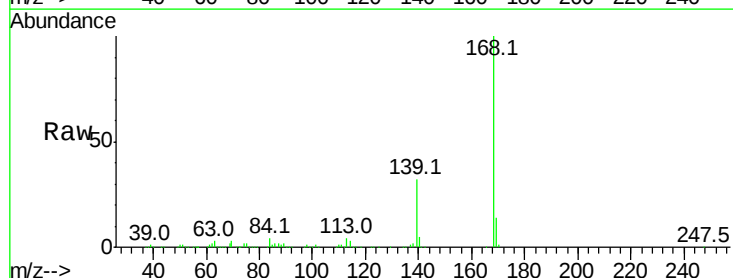
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:184 Resp: 40229  
Ion Ratio Lower Upper  
184 100  
63 50.6 59.8 89.8#  
154 250.4 101.8 152.8#



#54  
Dibenzofuran  
Concen: 42.569 ng  
RT: 15.81 min Scan# 2131  
Delta R.T. -0.00 min  
Lab File: BG031868.D  
Acq: 29 Dec 2017 23:50

Tgt Ion:168 Resp: 696128  
Ion Ratio Lower Upper  
168 100  
139 32.4 28.6 43.0  
169 13.9 11.2 16.8

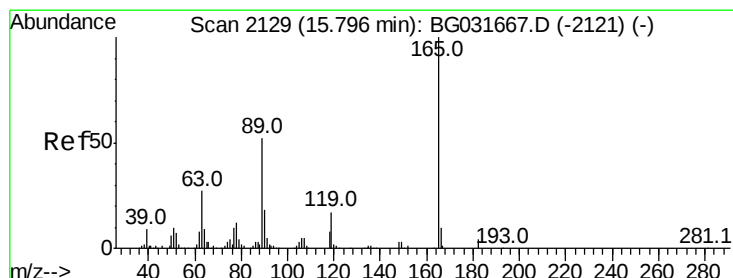
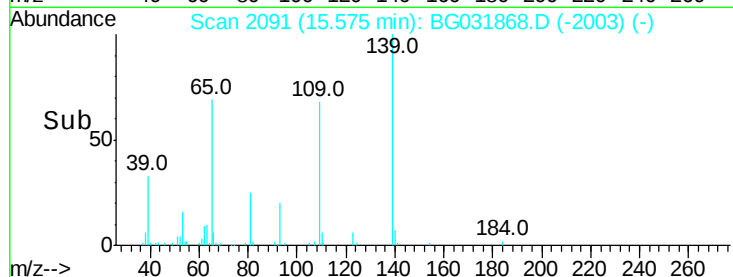
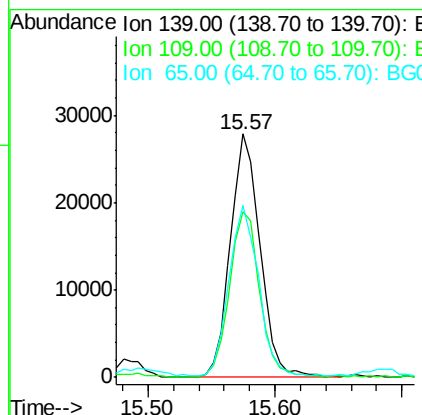
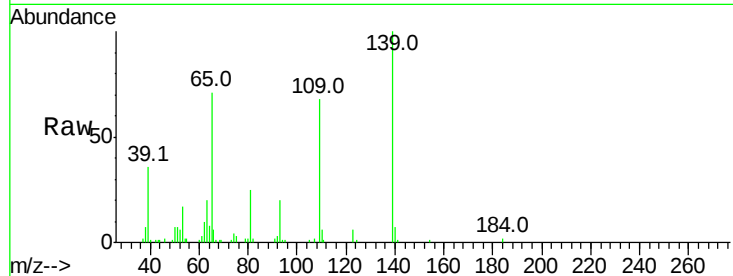




#55  
4-Nitrophenol  
Concen: 22.499 ng  
RT: 15.57 min Scan# 2091  
Delta R.T. -0.01 min  
Lab File: BG031868.D  
Acq: 29 Dec 2017 23:50

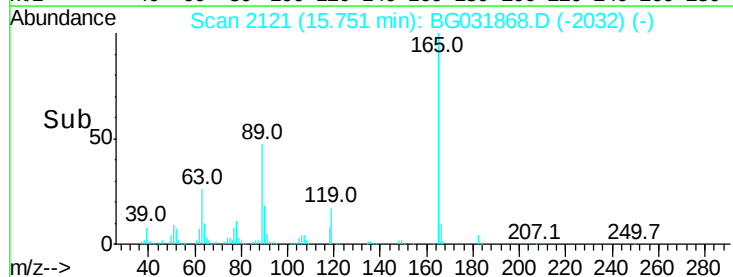
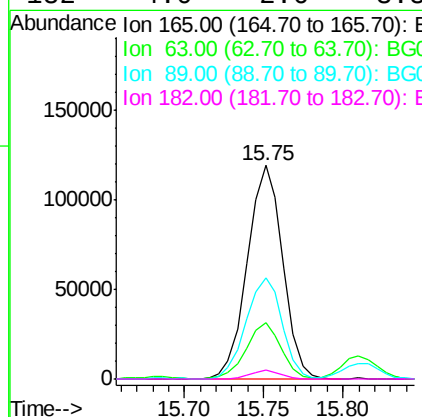
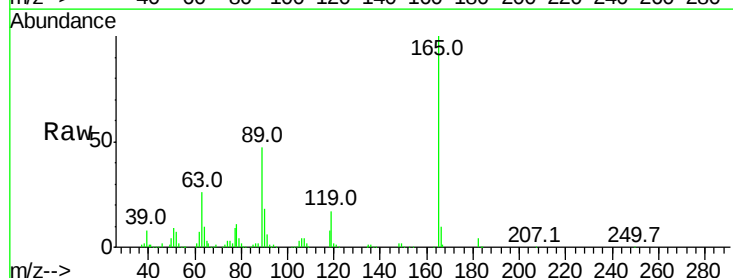
Instrument :  
BNA\_G  
ClientSampleId :

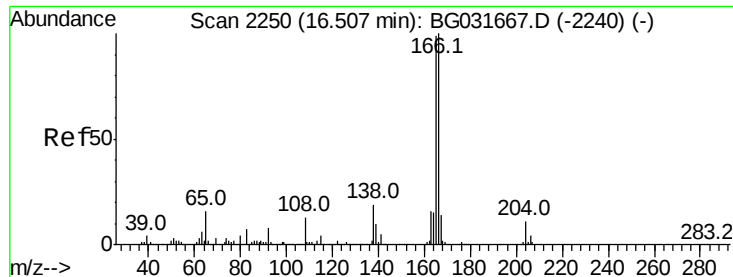
Tot Ion:139 Resp: 45252  
Ion Ratio Lower Upper  
139 100  
109 67.8 62.2 102.2  
65 70.7 97.2 137.2#



#56  
2,4-Dinitrotoluene  
Concen: 56.417 ng  
RT: 15.75 min Scan# 2121  
Delta R.T. -0.00 min  
Lab File: BG031868.D  
Acq: 29 Dec 2017 23:50

Tgt Ion:165 Resp: 183747  
Ion Ratio Lower Upper  
165 100  
63 26.4 42.0 63.0#  
89 47.2 66.9 100.3#  
182 4.0 2.6 3.8#





#57

Fluorene

Concen: 41.787 ng

RT: 16.46 min Scan# 2241

Delta R.T. -0.00 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

Instrument :

BNA\_G

ClientSampleId :

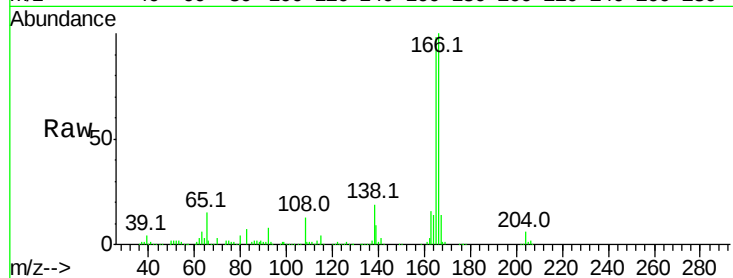
Tot Ion:166 Resp: 555128

Ion Ratio Lower Upper

166 100

165 98.5 80.6 121.0

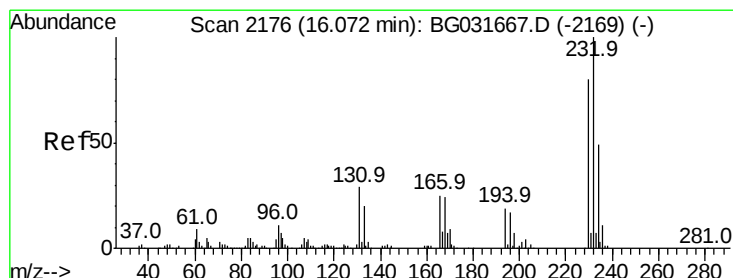
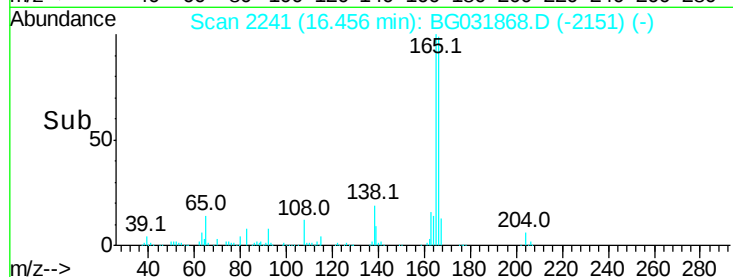
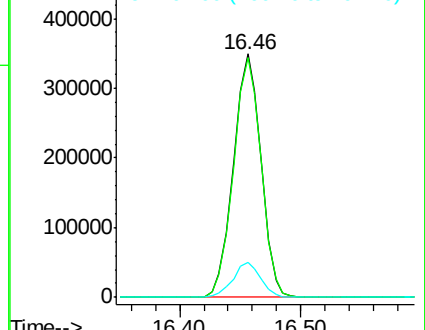
167 14.1 10.4 15.6



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: 46.729 ng

RT: 16.02 min Scan# 2167

Delta R.T. -0.00 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

Tgt Ion:232 Resp: 191765

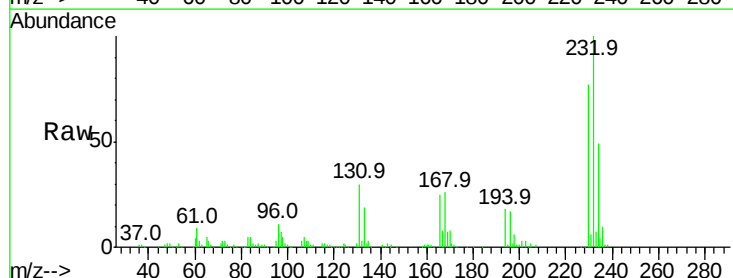
Ion Ratio Lower Upper

232 100

131 29.5 33.5 50.3#

130 1.8 2.2 3.2#

166 25.0 24.8 37.2

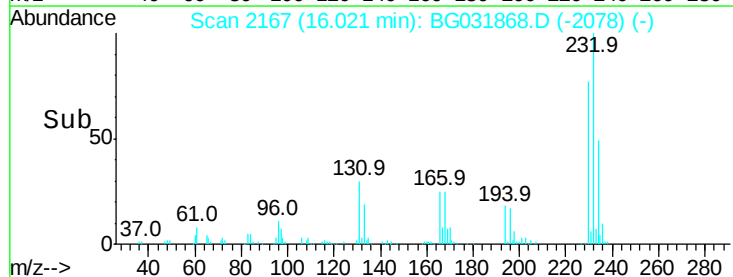
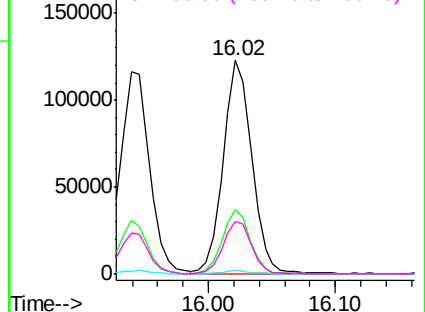


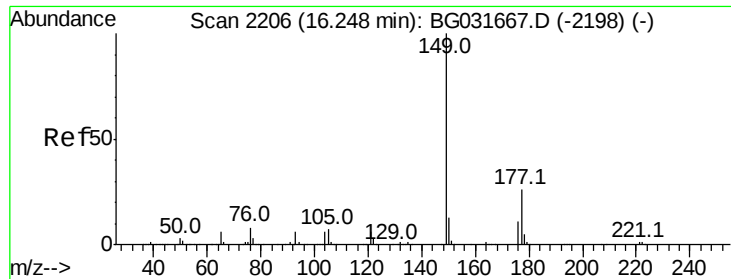
Abundance Ion 232.00 (231.70 to 232.70): E

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: 41.620 ng

RT: 16.19 min Scan# 2196

Delta R.T. -0.00 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

Instrument :

BNA\_G

ClientSampled :

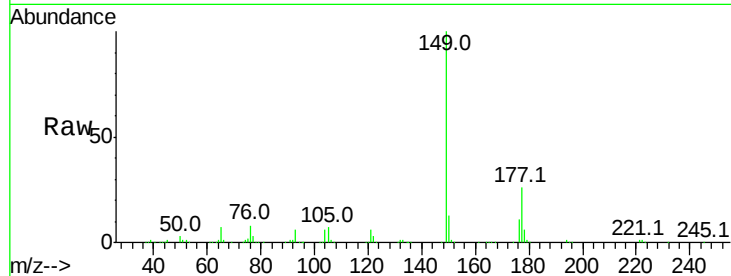
Tot Ion:149 Resp: 558530

Ion Ratio Lower Upper

149 100

177 26.3 18.5 27.7

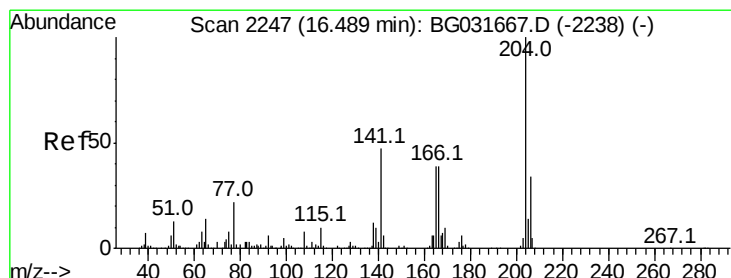
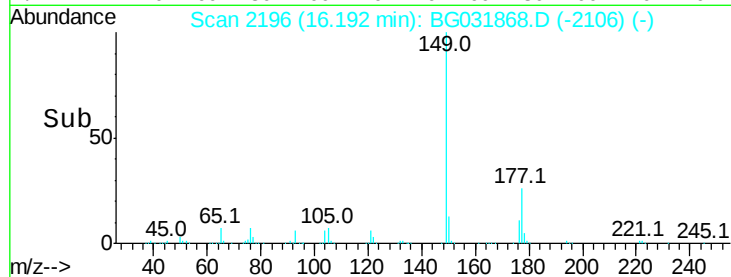
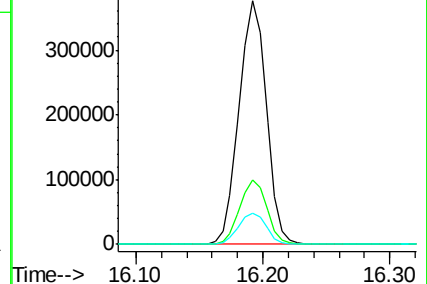
150 13.0 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 40.682 ng

RT: 16.43 min Scan# 2237

Delta R.T. -0.00 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

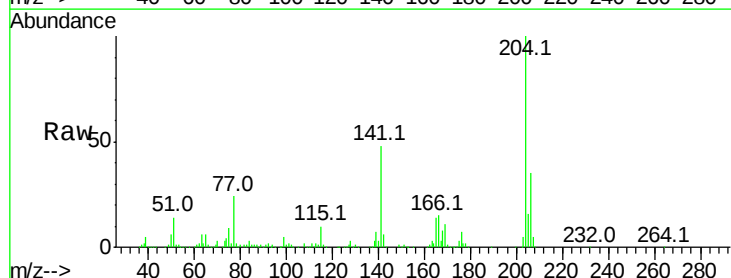
Tgt Ion:204 Resp: 330680

Ion Ratio Lower Upper

204 100

206 34.6 26.2 39.2

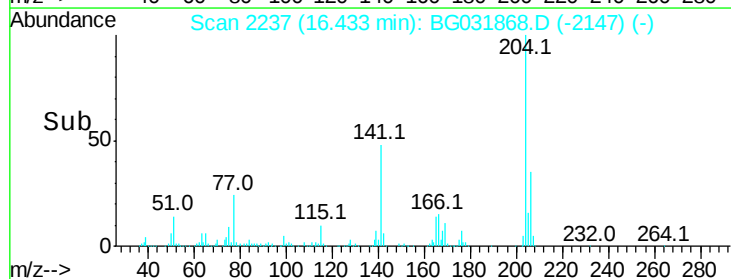
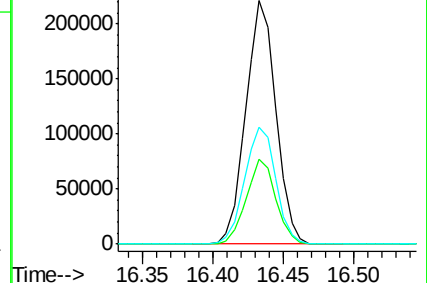
141 48.0 45.8 68.6

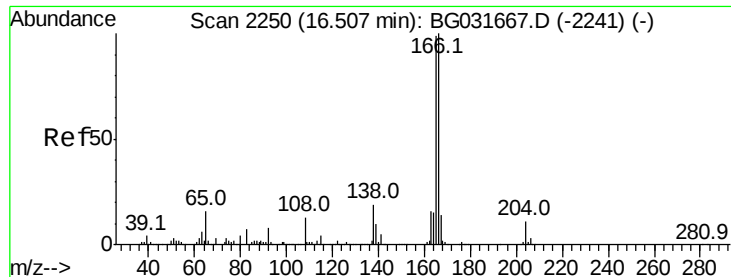


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 47.560 ng

RT: 16.46 min Scan# 2241

Delta R.T. -0.00 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

Instrument :

BNA\_G

ClientSampleId :

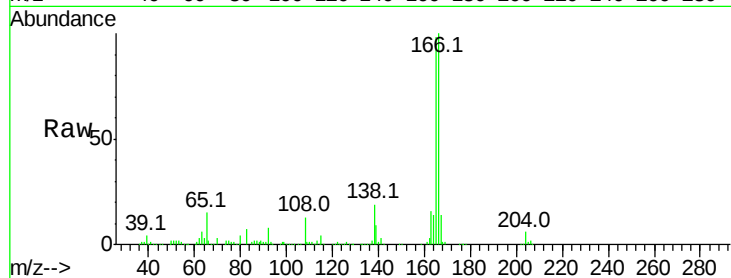
Tot Ion:138 Resp: 114690

Ion Ratio Lower Upper

138 100

92 39.5 40.1 80.1#

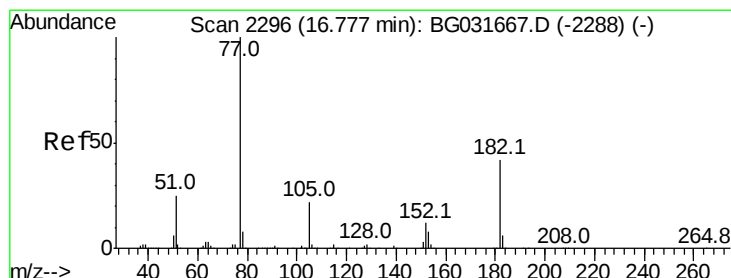
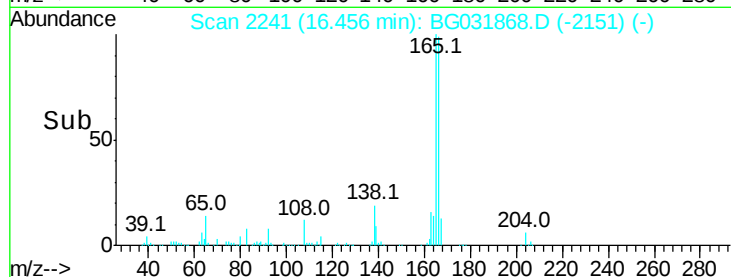
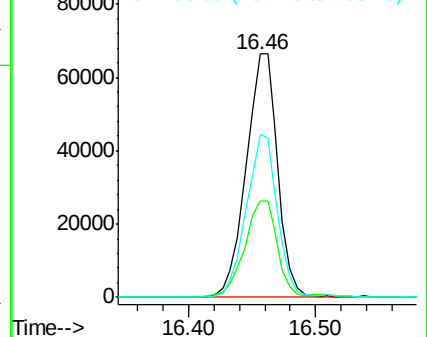
108 66.8 65.4 105.4



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 42.454 ng

RT: 16.73 min Scan# 2287

Delta R.T. -0.00 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

Tgt Ion: 77 Resp: 365370

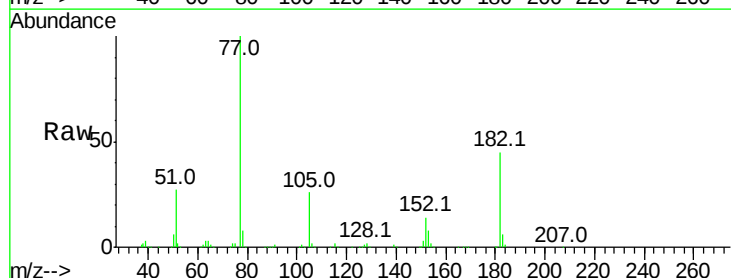
Ion Ratio Lower Upper

77 100

182 45.2 7.4 47.4

105 25.5 0.3 40.3

51 26.7 11.6 51.6

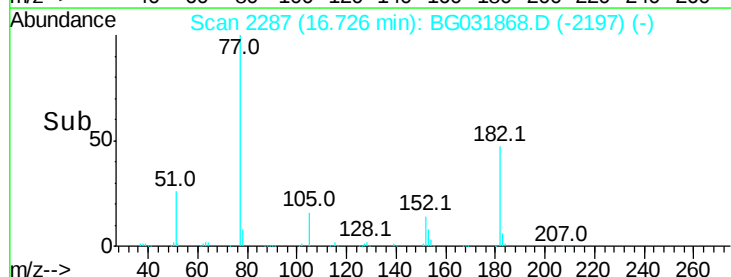
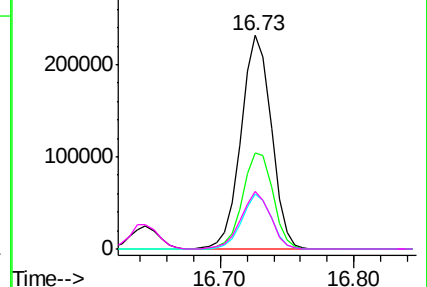


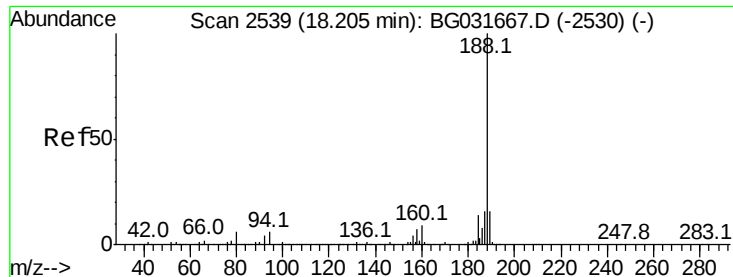
Abundance Ion 77.00 (76.70 to 77.70): BG

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BG

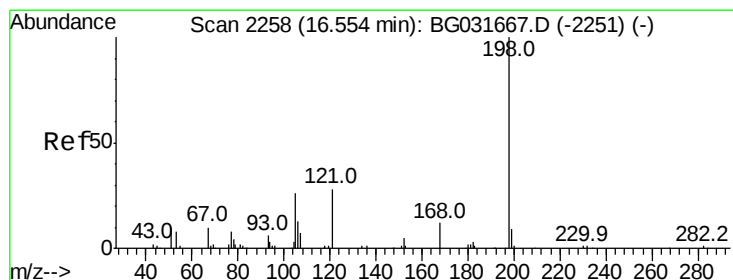
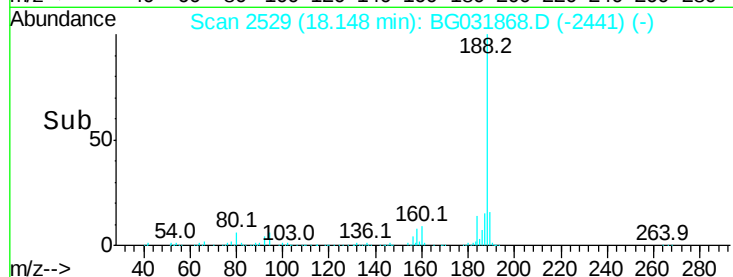
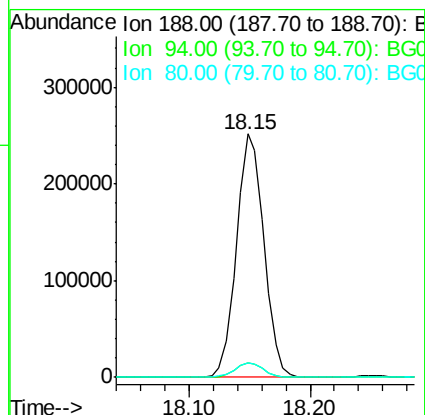
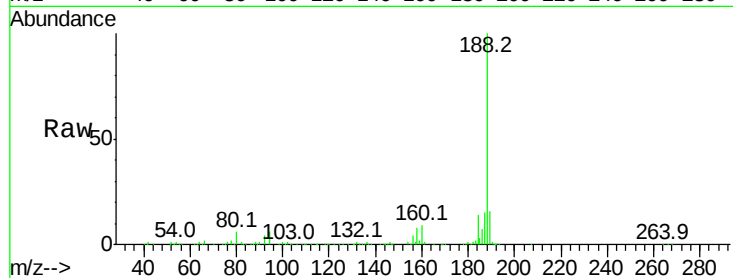




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.15 min Scan# 2529  
Delta R.T. -0.01 min  
Lab File: BG031868.D  
Acq: 29 Dec 2017 23:50

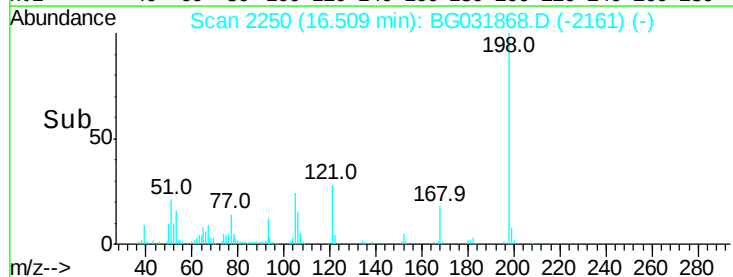
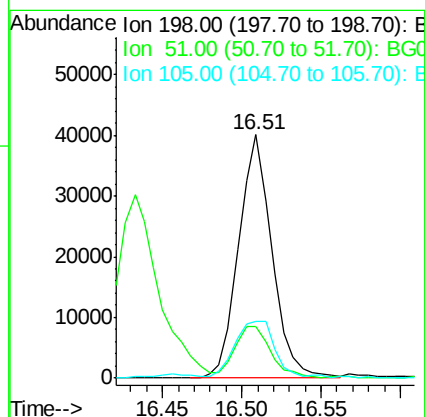
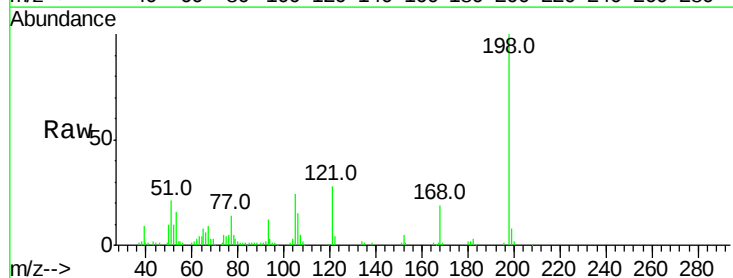
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:188 Resp: 398404  
Ion Ratio Lower Upper  
188 100  
94 6.1 6.9 10.3#  
80 5.7 7.7 11.5#



#64  
4,6-Dinitro-2-methylphenol  
Concen: 33.240 ng  
RT: 16.51 min Scan# 2250  
Delta R.T. -0.00 min  
Lab File: BG031868.D  
Acq: 29 Dec 2017 23:50

Tgt Ion:198 Resp: 58438  
Ion Ratio Lower Upper  
198 100  
51 21.3 30.6 70.6#  
105 23.6 23.8 63.8#

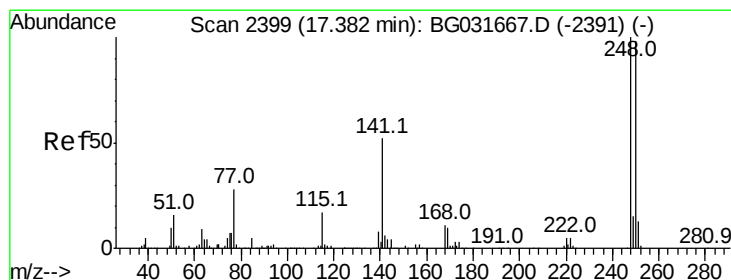
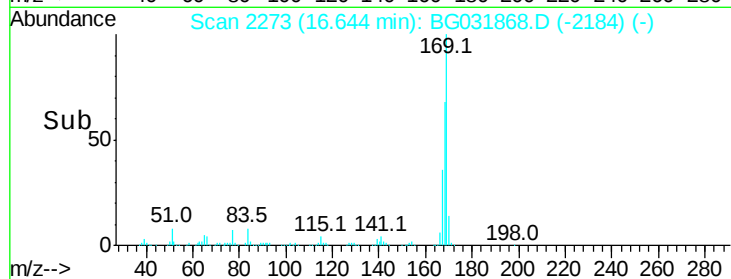
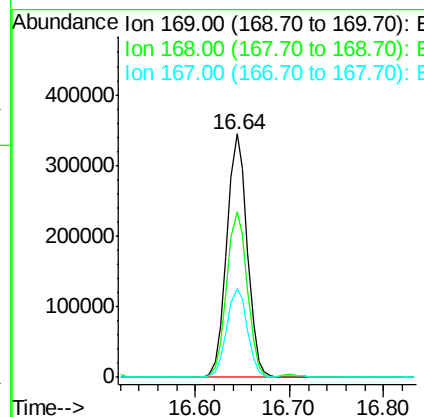
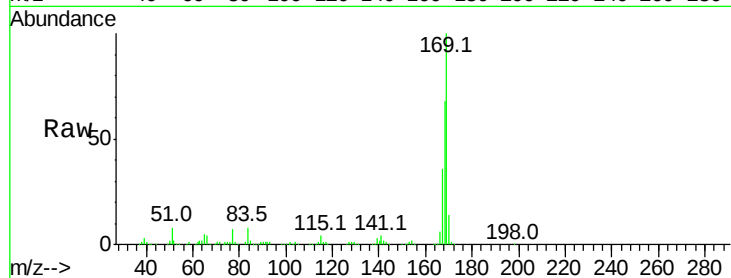




#65  
 n-Nitrosodiphenylamine  
 Concen: 39.576 ng  
 RT: 16.64 min Scan# 2273  
 Delta R.T. -0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

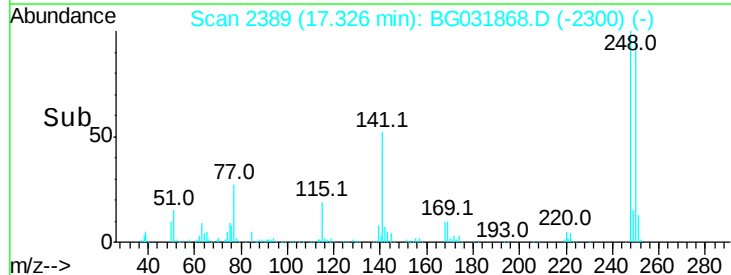
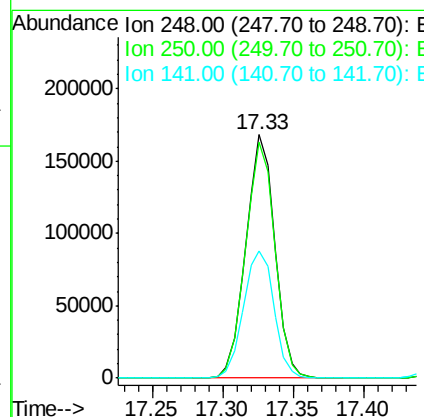
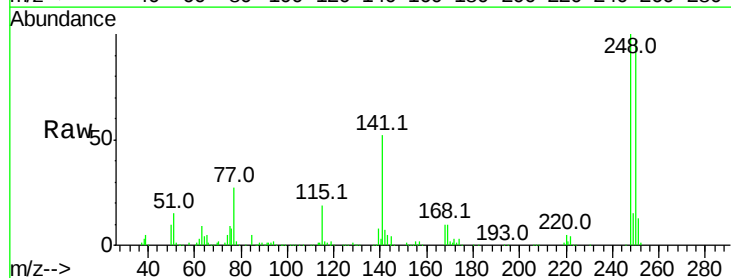
Instrument :  
 BNA\_G  
 ClientSampleId :

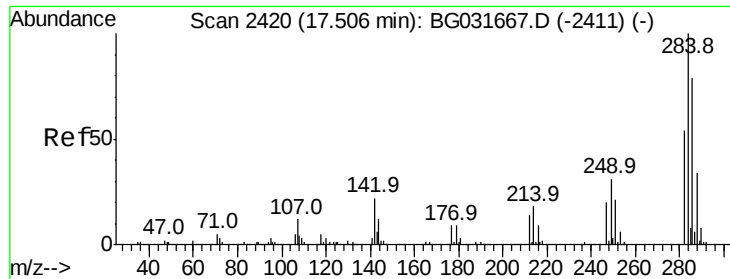
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 67.8  | 55.7  | 83.5  |
| 167     | 36.3  | 30.1  | 45.1  |



#66  
 4-Bromophenyl-phenylether  
 Concen: 41.863 ng  
 RT: 17.33 min Scan# 2389  
 Delta R.T. -0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.1  | 77.1  | 115.7 |
| 141     | 52.4  | 50.8  | 76.2  |





#67

Hexachlorobenzene

Concen: 42.551 ng

RT: 17.45 min Scan# 2411

Delta R.T. -0.00 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

Instrument :

BNA\_G

ClientSampleId :

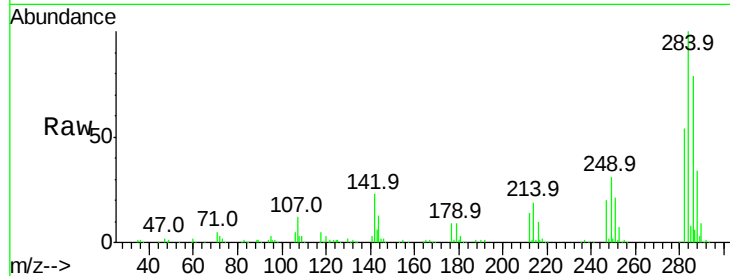
Tot Ion:284 Resp: 250602

Ion Ratio Lower Upper

284 100

142 23.4 26.8 40.2#

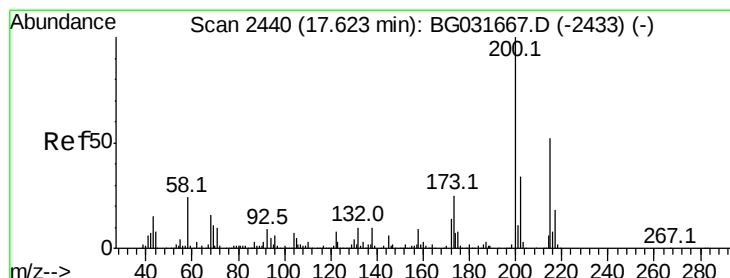
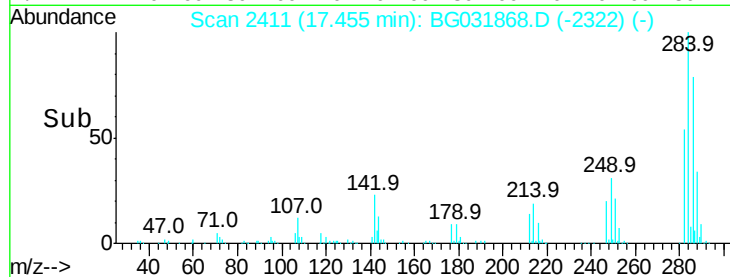
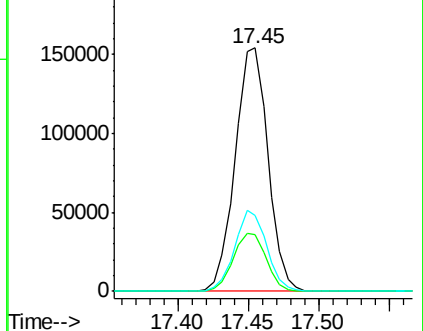
249 31.1 26.3 39.5



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: 43.148 ng

RT: 17.57 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

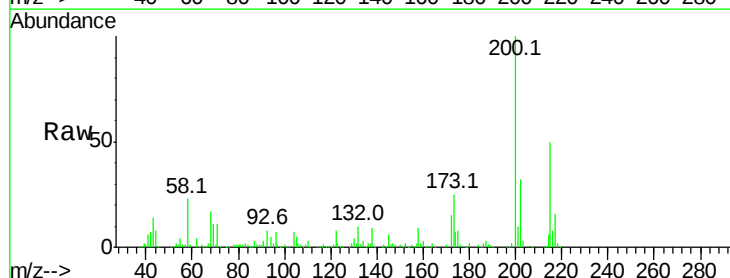
Tgt Ion:200 Resp: 222002

Ion Ratio Lower Upper

200 100

173 25.0 5.2 45.2

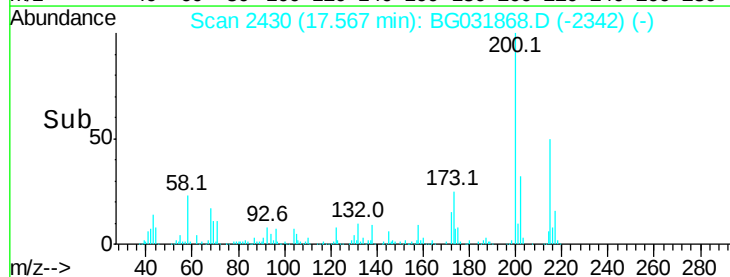
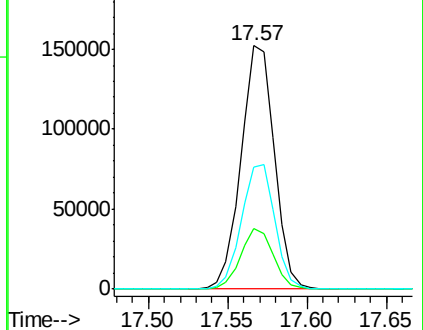
215 50.0 30.4 70.4

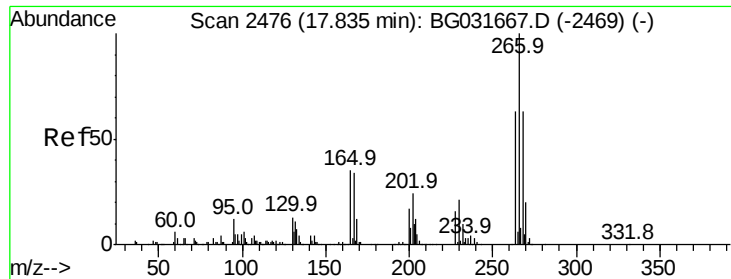


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

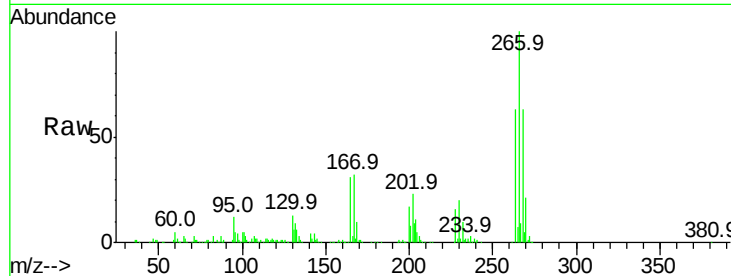




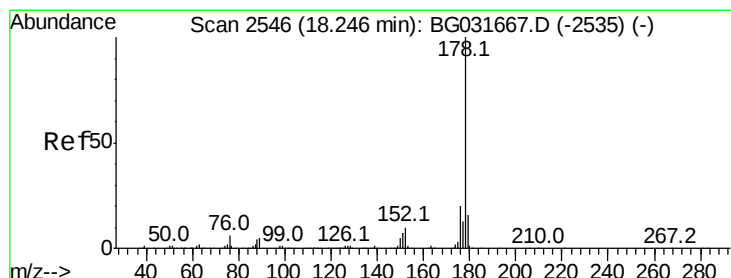
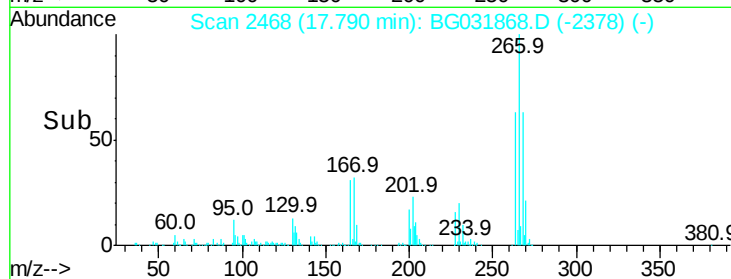
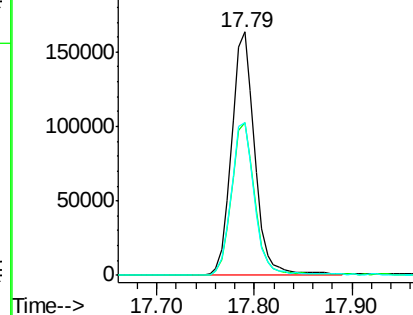
#69  
 Pentachlorophenol  
 Concen: 66.592 ng  
 RT: 17.79 min Scan# 2468  
 Delta R.T. -0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 62.6  | 51.1  | 76.7  |
| 264     | 62.8  | 49.6  | 74.4  |

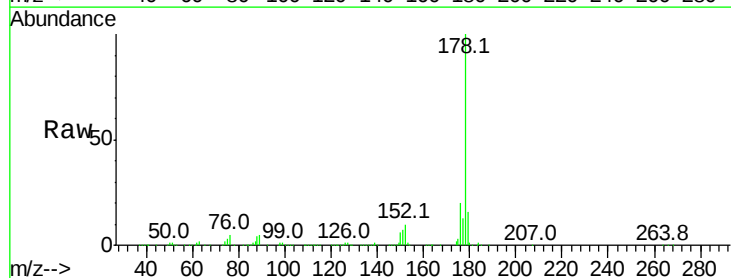


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

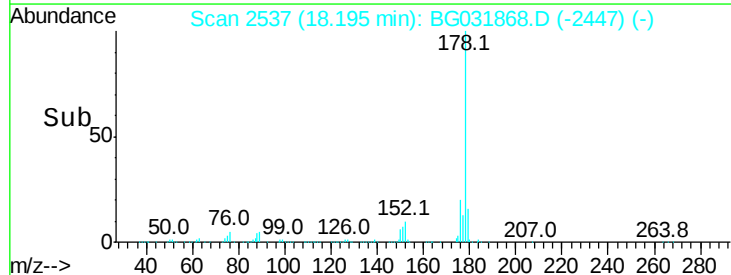
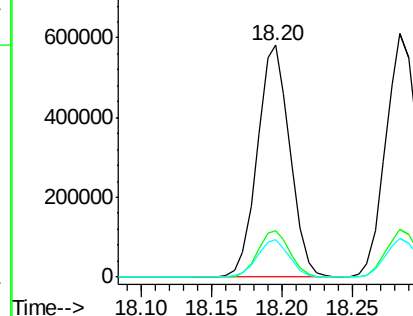


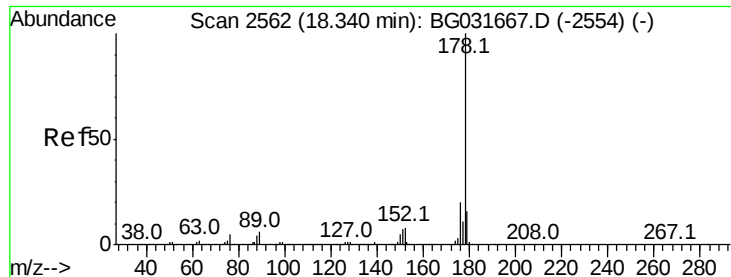
#70  
 Phenanthrene  
 Concen: 41.594 ng  
 RT: 18.20 min Scan# 2537  
 Delta R.T. -0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.0  | 15.7  | 23.5  |
| 179     | 16.1  | 12.5  | 18.7  |



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

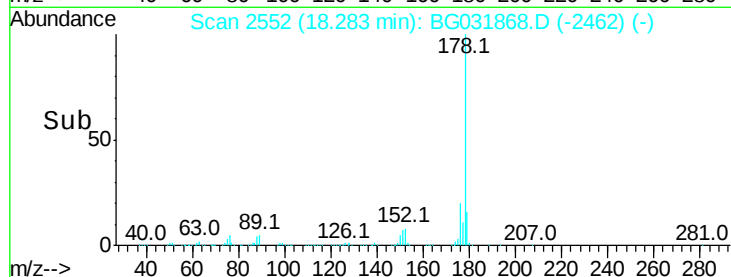
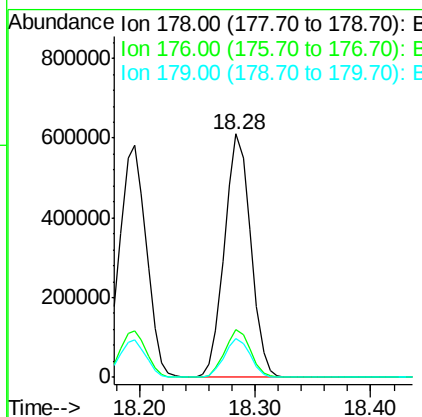
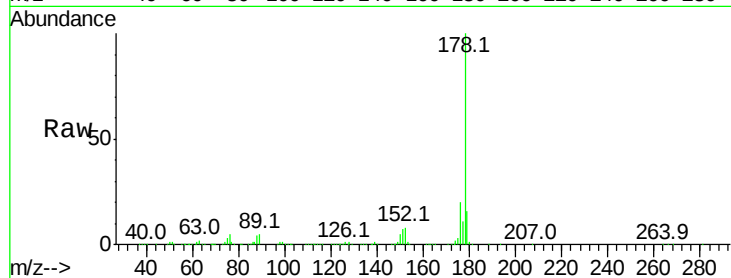




#71  
 Anthracene  
 Concen: 42.336 ng  
 RT: 18.28 min Scan# 2552  
 Delta R.T. -0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

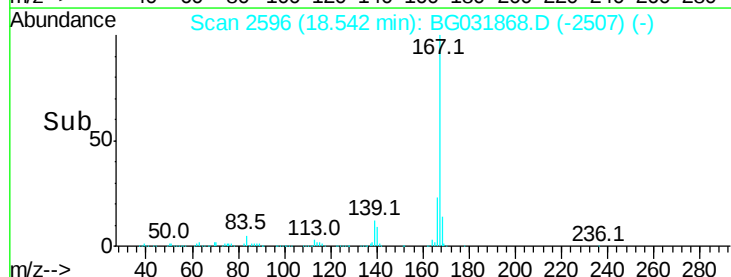
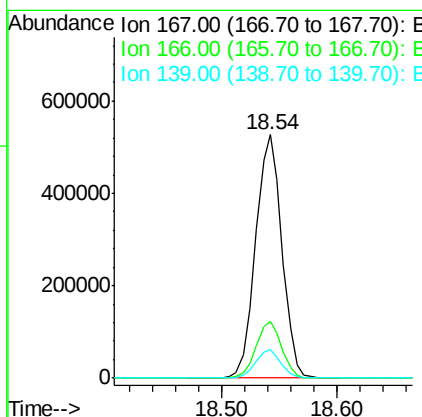
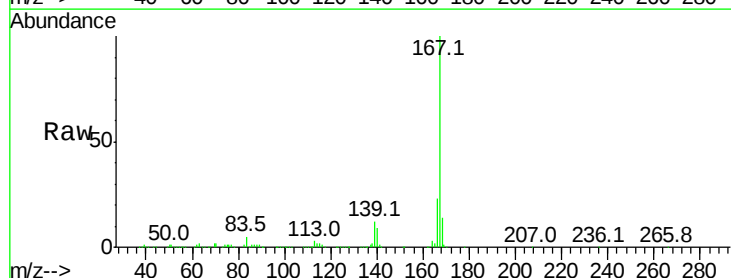
Instrument :  
 BNA\_G  
 ClientSampleId :

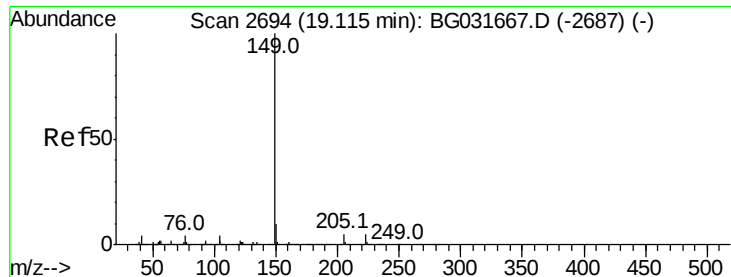
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.5  | 16.0  | 24.0  |
| 179     | 15.8  | 12.5  | 18.7  |



#72  
 Carbazole  
 Concen: 41.421 ng  
 RT: 18.54 min Scan# 2596  
 Delta R.T. -0.00 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 23.2  | 18.2  | 27.4  |
| 139     | 11.9  | 9.4   | 14.2  |





#73

Di-n-butylphthalate

Concen: 41.728 ng

RT: 19.05 min Scan# 2683

Delta R.T. -0.00 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

Instrument :

BNA\_G

ClientSampleId :

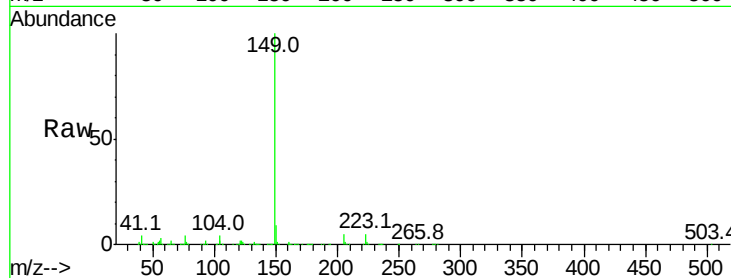
Tot Ion:149 Resp: 933522

Ion Ratio Lower Upper

149 100

150 9.4 7.8 11.6

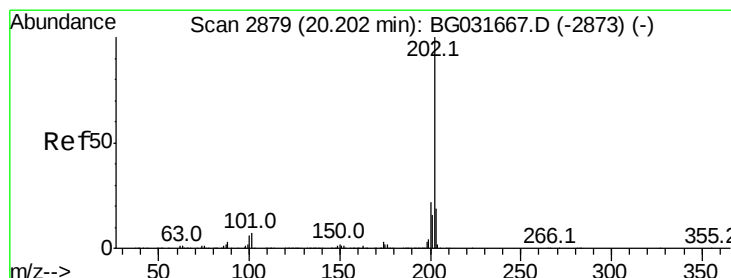
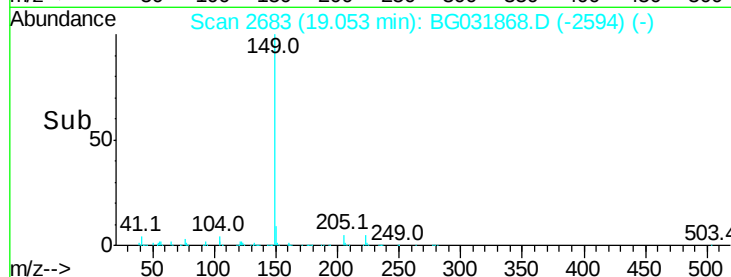
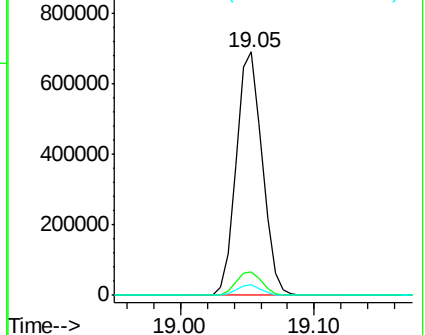
104 4.3 3.9 5.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 41.679 ng

RT: 20.15 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

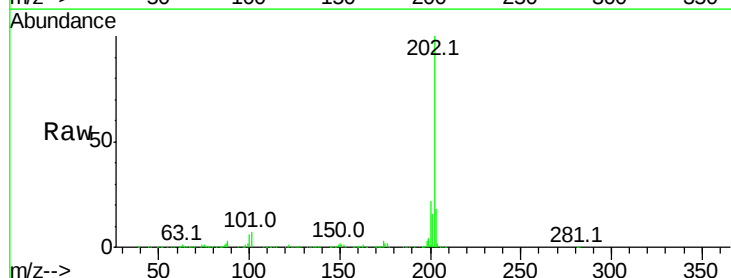
Tgt Ion:202 Resp: 1153049

Ion Ratio Lower Upper

202 100

101 7.2 0.0 28.9

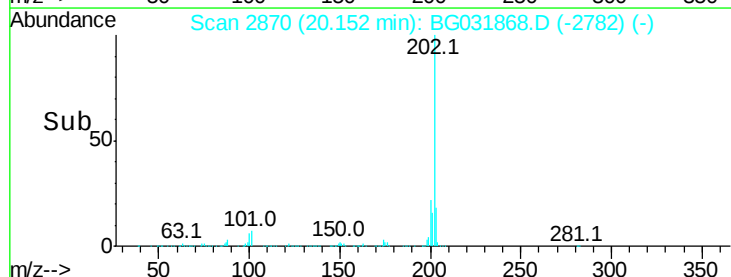
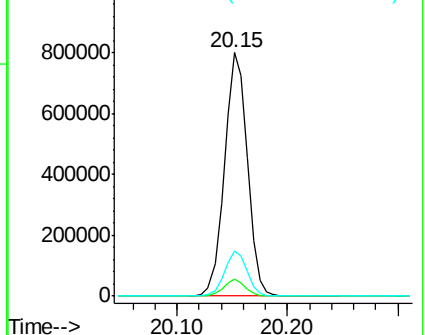
203 18.4 0.0 37.5

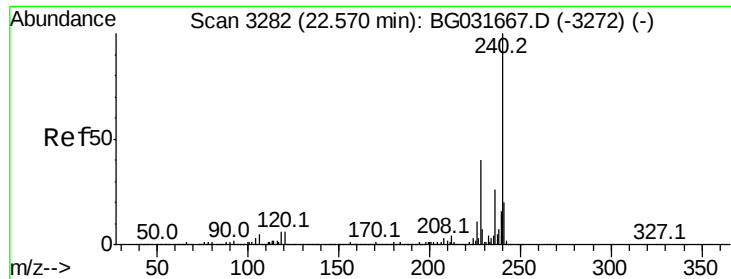


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

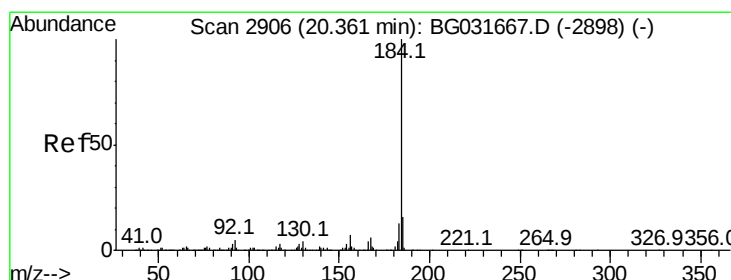
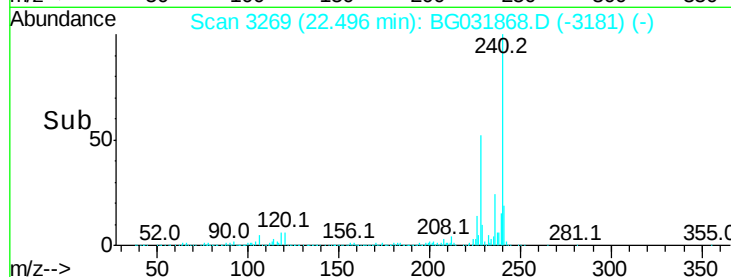
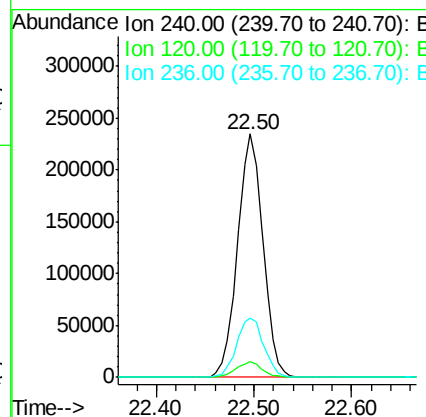
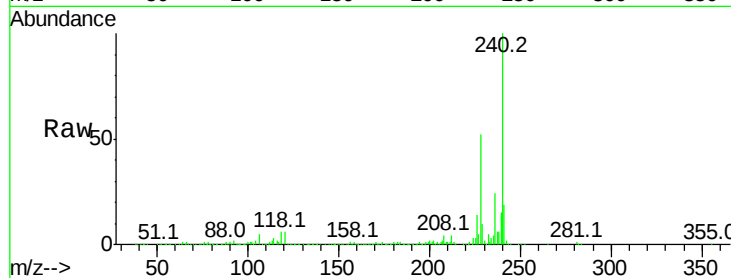




#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.50 min Scan# 3269  
Delta R.T. -0.01 min  
Lab File: BG031868.D  
Acq: 29 Dec 2017 23:50

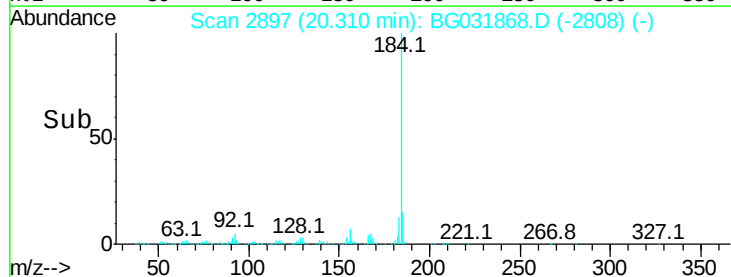
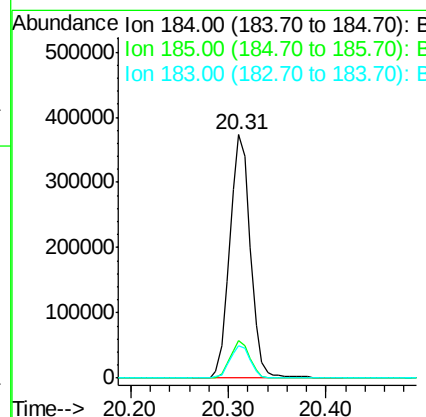
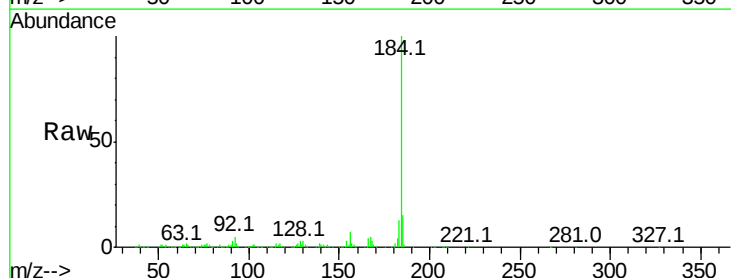
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:240 Resp: 425759  
Ion Ratio Lower Upper  
240 100  
120 6.5 6.8 10.2#  
236 24.4 20.9 31.3



#76  
Benzidine  
Concen: 41.578 ng  
RT: 20.31 min Scan# 2897  
Delta R.T. -0.00 min  
Lab File: BG031868.D  
Acq: 29 Dec 2017 23:50

Tgt Ion:184 Resp: 546385  
Ion Ratio Lower Upper  
184 100  
185 15.3 11.1 16.7  
183 13.3 10.6 16.0

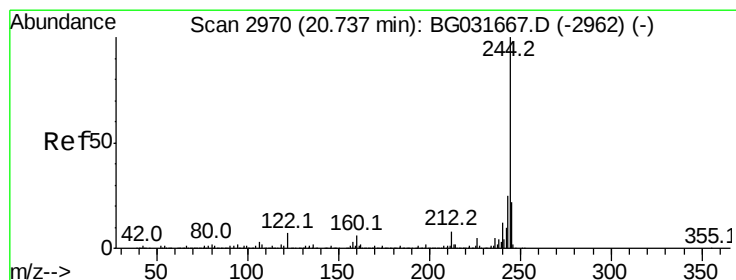
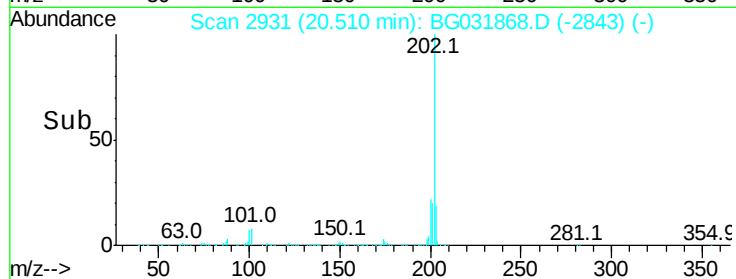
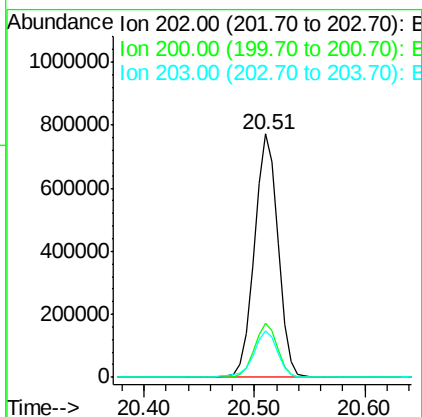
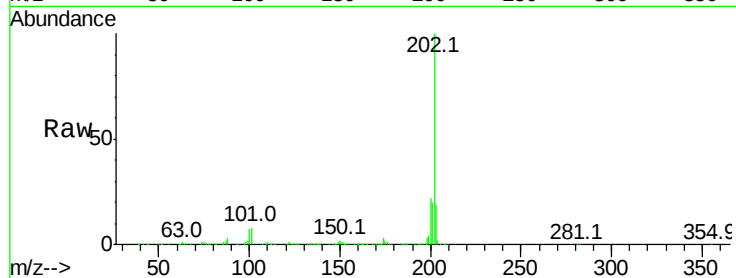




#77  
Pvrene  
Concen: 42.647 ng  
RT: 20.51 min Scan# 2931  
Delta R.T. -0.01 min  
Lab File: BG031868.D  
Acq: 29 Dec 2017 23:50

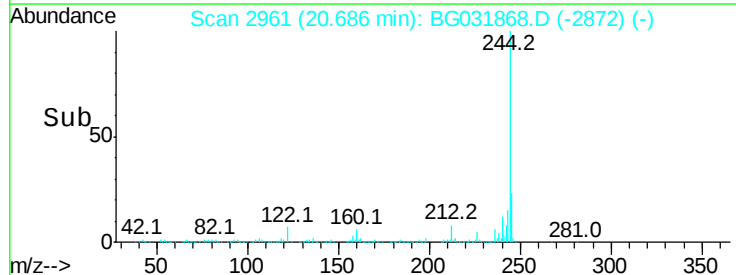
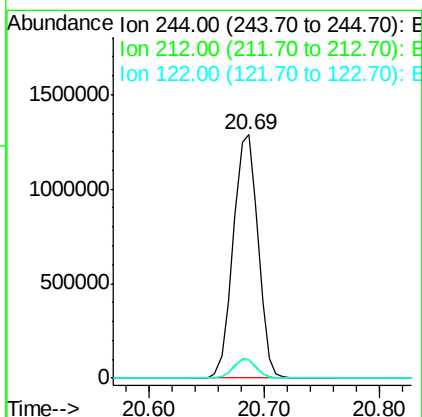
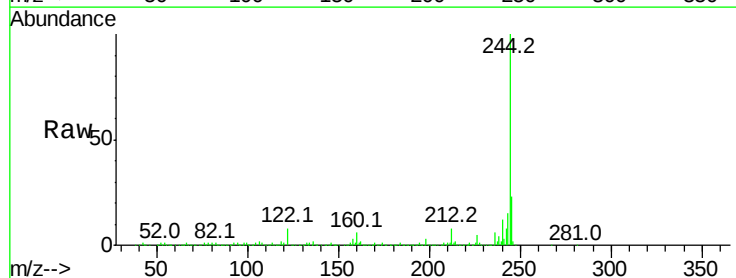
Instrument :  
BNA\_G  
ClientSampled :

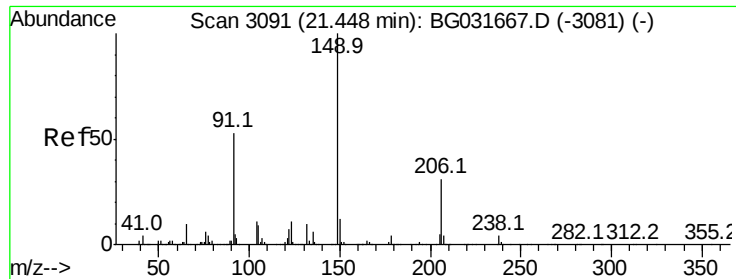
Tot Ion:202 Resp: 1159848  
Ion Ratio Lower Upper  
202 100  
200 22.2 16.9 25.3  
203 18.9 13.9 20.9



#78  
Terphenyl-d14  
Concen: 102.519 ng  
RT: 20.69 min Scan# 2961  
Delta R.T. -0.00 min  
Lab File: BG031868.D  
Acq: 29 Dec 2017 23:50

Tgt Ion:244 Resp: 1910506  
Ion Ratio Lower Upper  
244 100  
212 7.8 5.8 8.8  
122 7.6 7.0 10.4

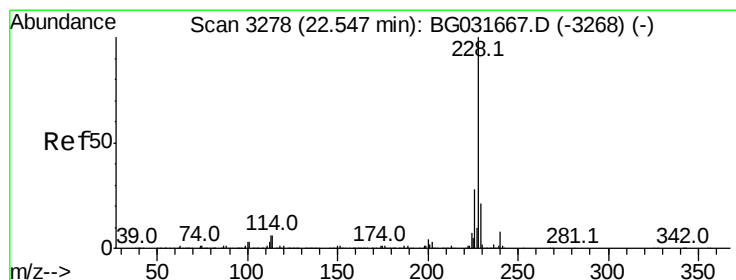
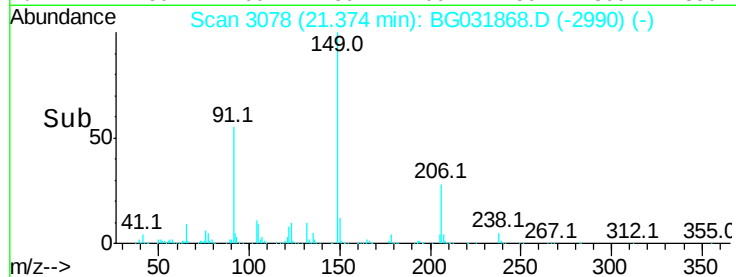
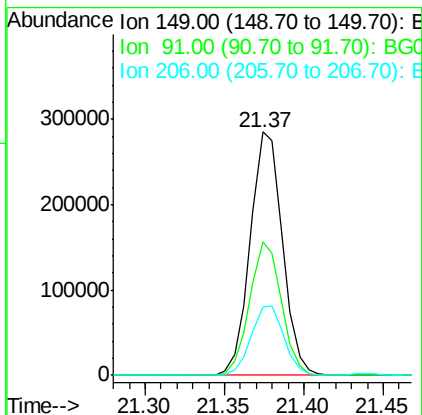
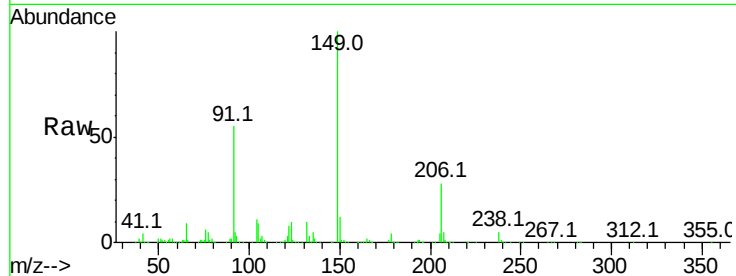




#79  
Butylbenzylphthalate  
Concen: 44.253 ng  
RT: 21.37 min Scan# 3078  
Delta R.T. -0.01 min  
Lab File: BG031868.D  
Acq: 29 Dec 2017 23:50

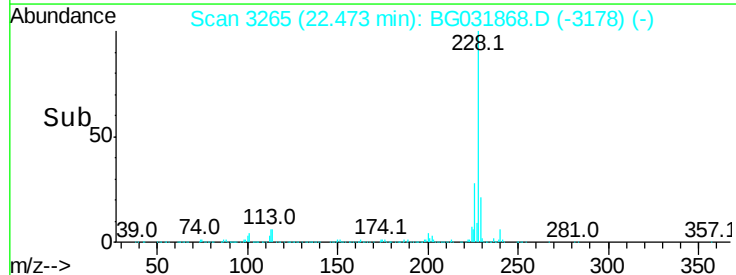
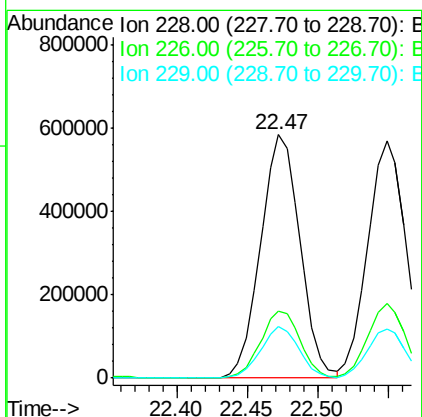
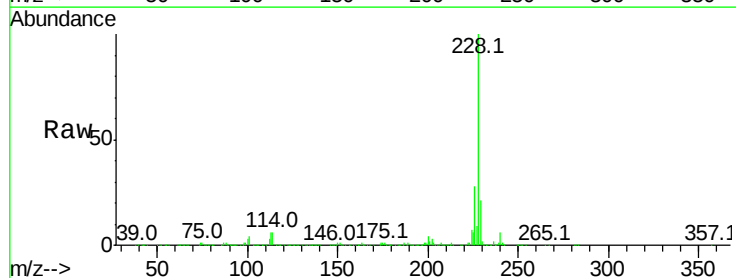
Instrument :  
BNA\_G  
ClientSampleId :

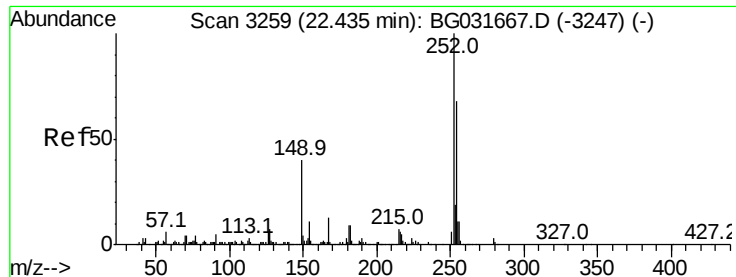
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 54.7  | 62.2  | 93.2# |
| 206     | 28.1  | 18.6  | 27.8# |



#80  
Benzo(a)anthracene  
Concen: 42.146 ng  
RT: 22.47 min Scan# 3265  
Delta R.T. -0.02 min  
Lab File: BG031868.D  
Acq: 29 Dec 2017 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.5  | 22.7  | 34.1  |
| 229     | 21.3  | 16.2  | 24.2  |

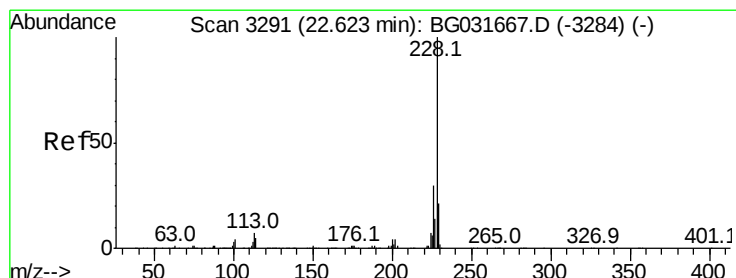
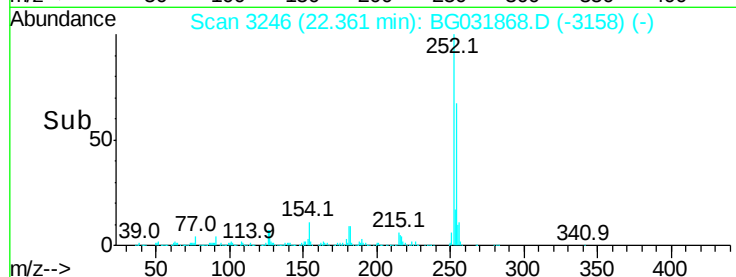
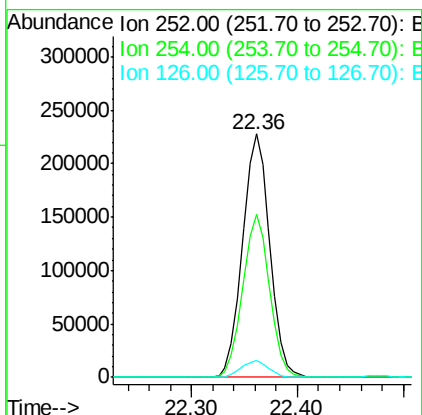
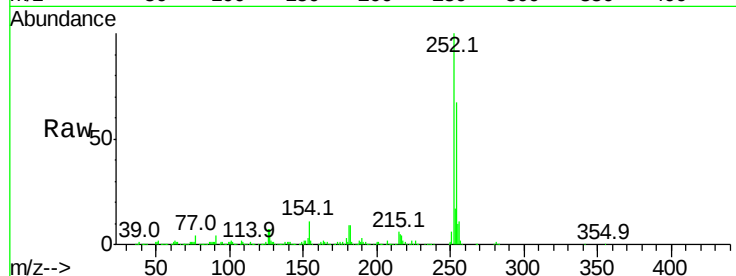




#81  
 3,3'-Dichlorobenzidine  
 Concen: 38.863 ng  
 RT: 22.36 min Scan# 3246  
 Delta R.T. -0.01 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

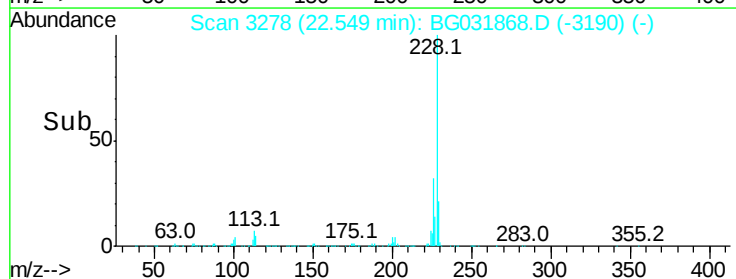
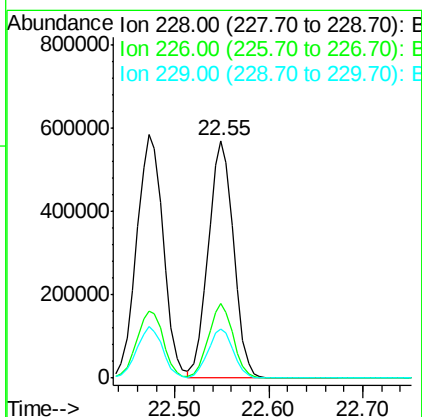
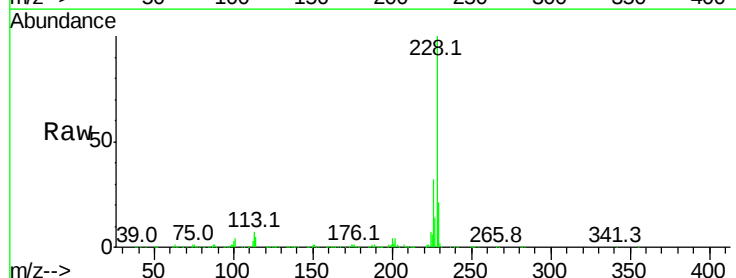
Instrument :  
 BNA\_G  
 ClientSampleId :

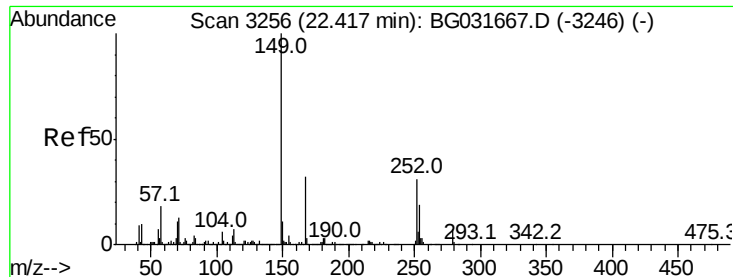
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 67.0  | 50.8  | 76.2  |
| 126     | 7.0   | 7.4   | 11.2# |



#82  
 Chrysene  
 Concen: 41.703 ng  
 RT: 22.55 min Scan# 3278  
 Delta R.T. -0.01 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.7  | 24.9  | 37.3  |
| 229     | 20.5  | 15.0  | 22.4  |

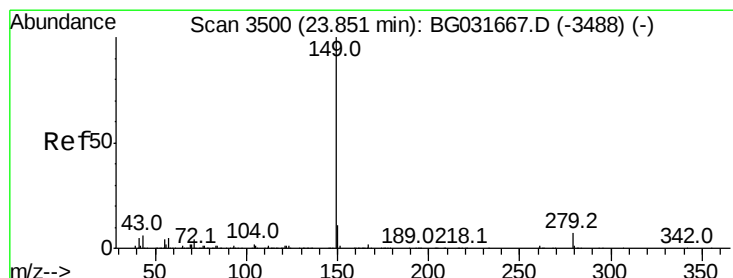
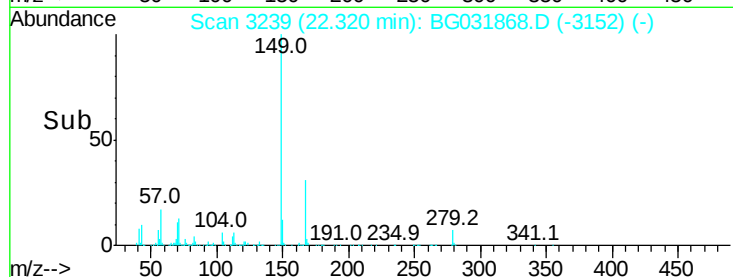
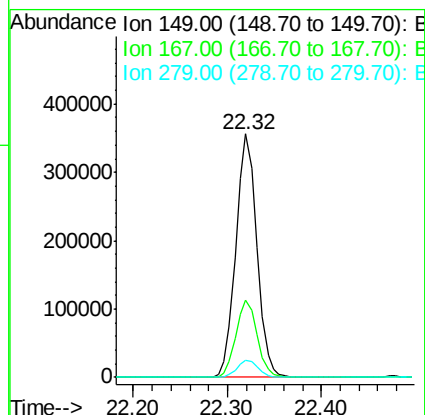
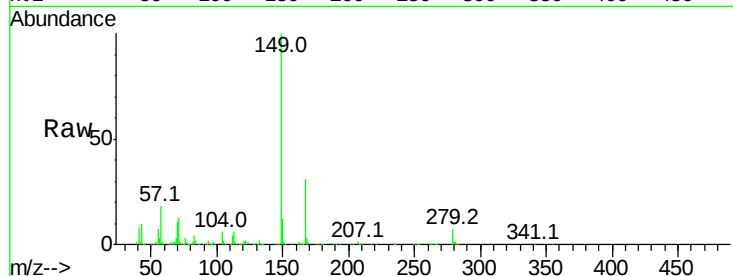




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 41.701 ng  
 RT: 22.32 min Scan# 3239  
 Delta R.T. -0.02 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

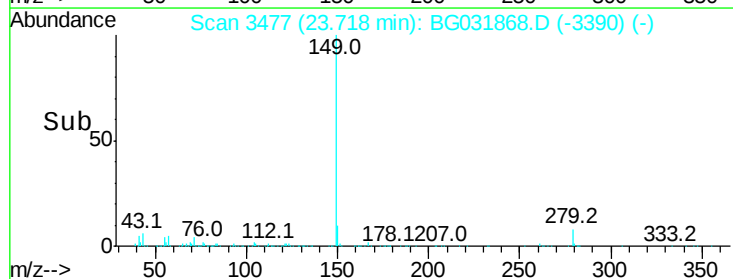
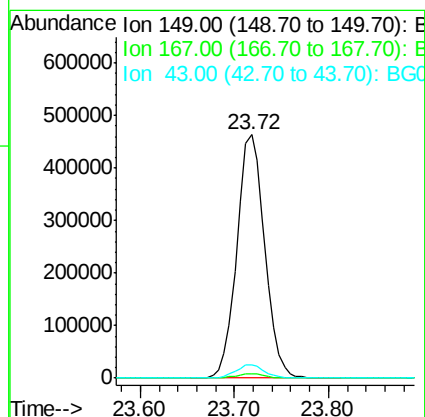
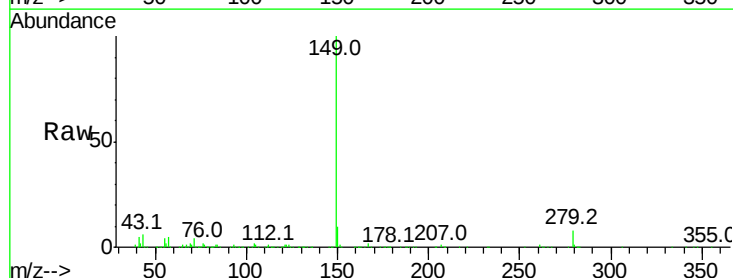
Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:149 Resp: 551570  
 Ion Ratio Lower Upper  
 149 100  
 167 31.5 24.3 36.5  
 279 7.1 4.0 6.0#



#84  
 Di-n-octyl phthalate  
 Concen: 42.574 ng  
 RT: 23.72 min Scan# 3477  
 Delta R.T. -0.02 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

Tgt Ion:149 Resp: 948383  
 Ion Ratio Lower Upper  
 149 100  
 167 1.9 1.4 2.0  
 43 5.7 8.9 13.3#



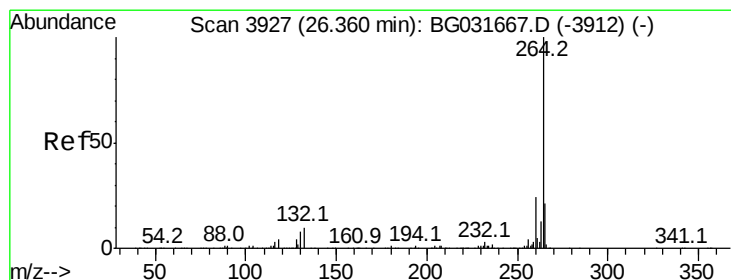
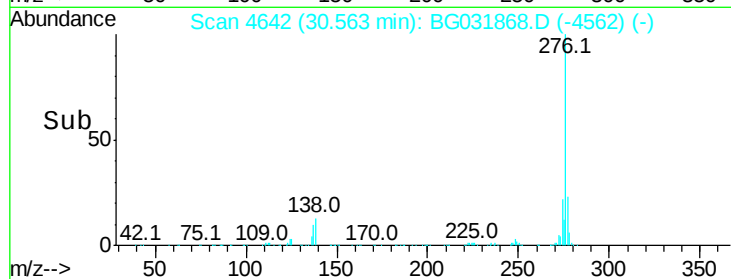
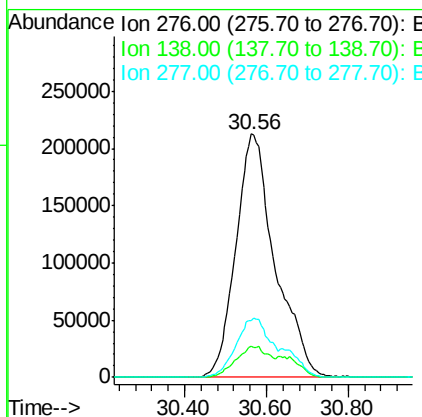
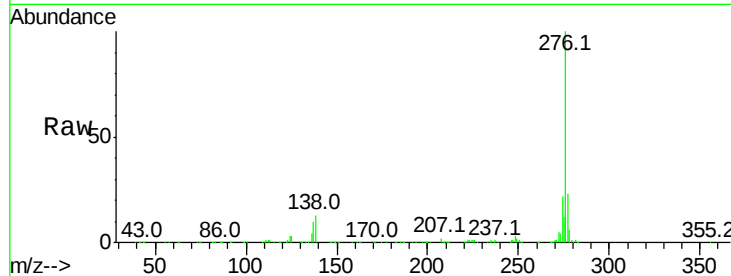


#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 43.120 ng  
 RT: 30.56 min Scan# 4642  
 Delta R.T. -0.06 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:276 Resp: 1417553  

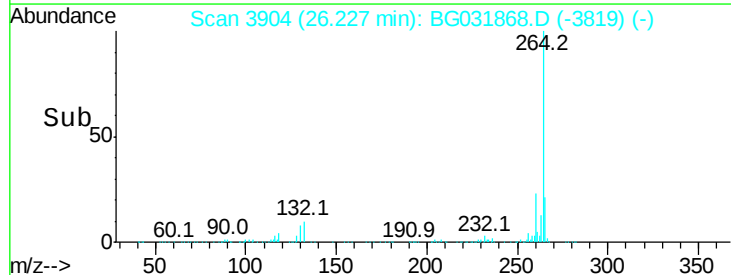
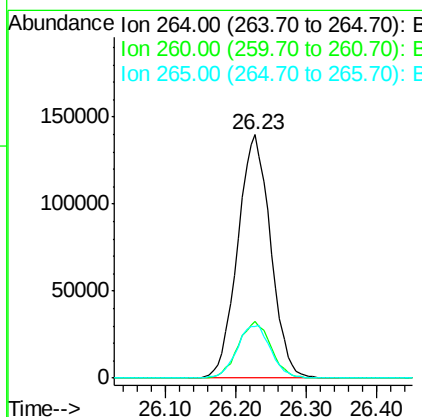
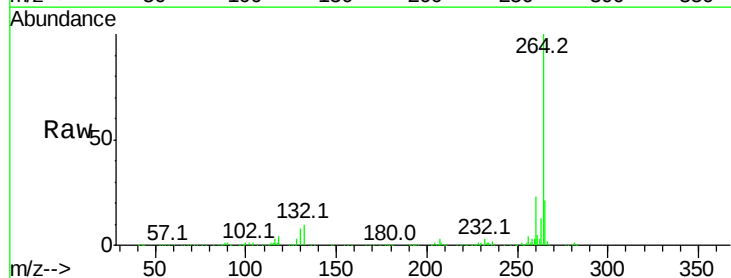
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 10.8  | 16.0  | 24.0# |
| 277 | 21.3  | 20.0  | 30.0  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 26.23 min Scan# 3904  
 Delta R.T. -0.03 min  
 Lab File: BG031868.D  
 Acq: 29 Dec 2017 23:50

Tgt Ion:264 Resp: 454211  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.1  | 17.4  | 26.0  |
| 265 | 21.0  | 17.7  | 26.5  |

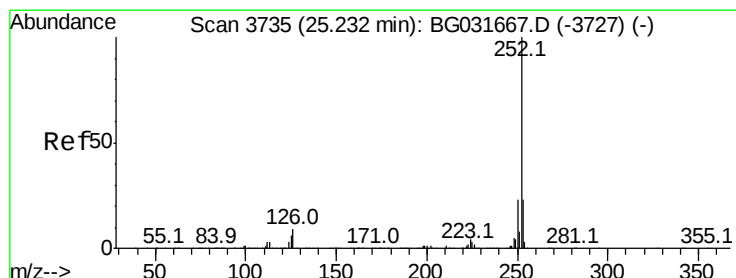
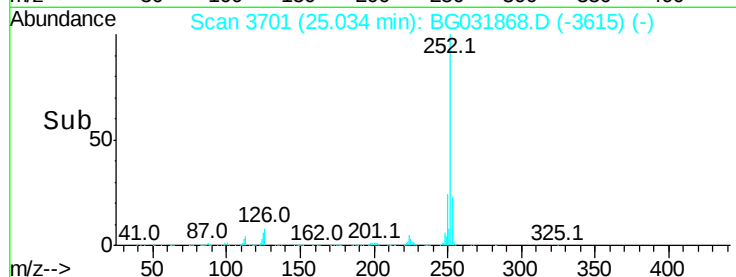
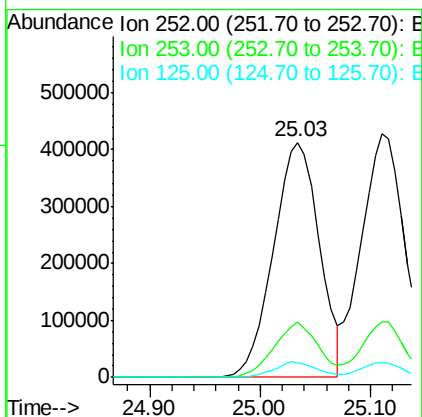
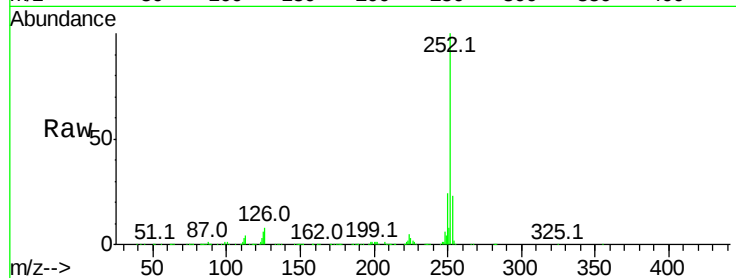




#87  
Benzo(b)fluoranthene  
Concen: 42.000 ng  
RT: 25.03 min Scan# 3701  
Delta R.T. -0.02 min  
Lab File: BG031868.D  
Acq: 29 Dec 2017 23:50

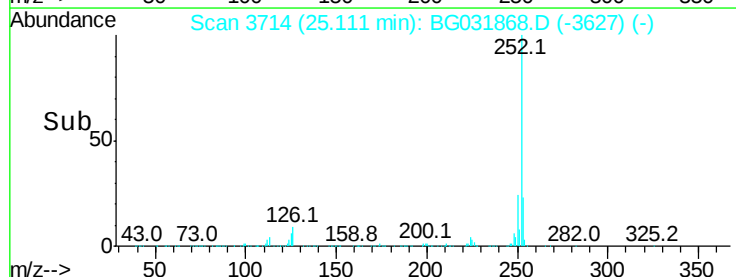
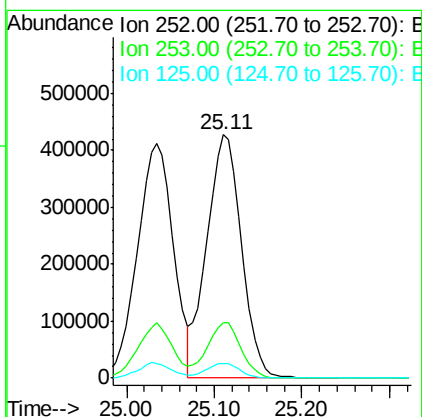
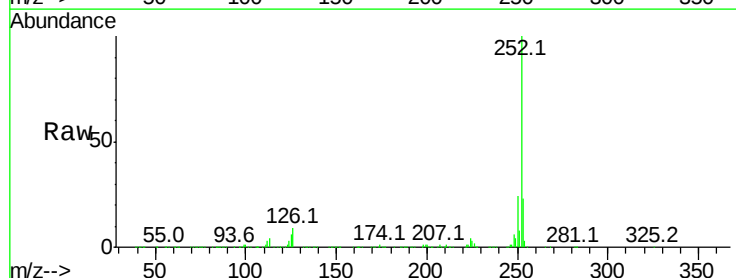
Instrument :  
BNA\_G  
ClientSampleId :

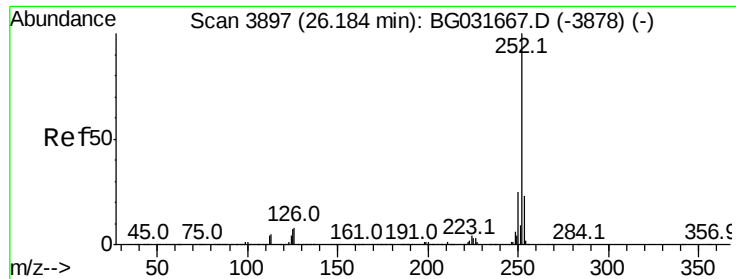
Tot Ion:252 Resp: 1184178  
Ion Ratio Lower Upper  
252 100  
253 23.5 18.2 27.4  
125 6.4 7.2 10.8#



#88  
Benzo(k)fluoranthene  
Concen: 41.574 ng  
RT: 25.11 min Scan# 3714  
Delta R.T. -0.02 min  
Lab File: BG031868.D  
Acq: 29 Dec 2017 23:50

Tgt Ion:252 Resp: 1173065  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.4 26.2  
125 6.2 6.6 9.8#





#89

Benzo(a)pyrene

Concen: 42.806 ng

RT: 26.06 min Scan# 3875

Delta R.T. -0.02 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

Instrument :

BNA\_G

ClientSampleId :

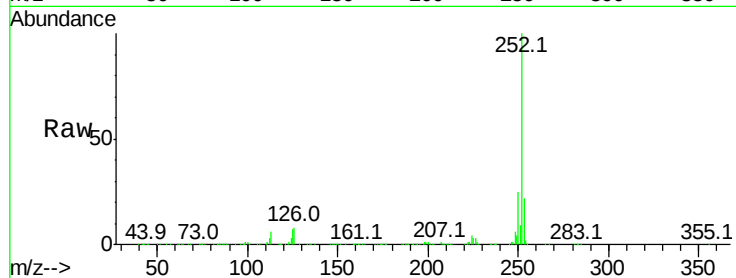
Tot Ion:252 Resp: 1155885

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.9  | 18.3  | 27.5  |
| 125 | 6.6   | 7.3   | 10.9  |

252 100

253 21.9 18.3 27.5

125 6.6 7.3 10.9

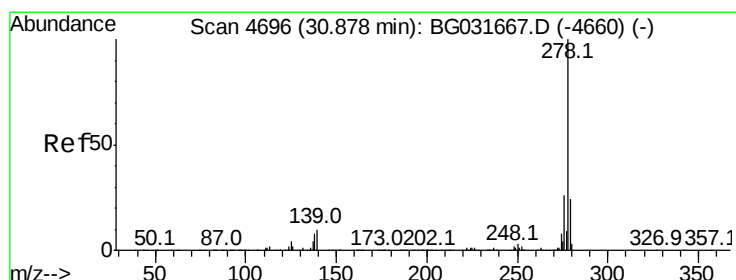
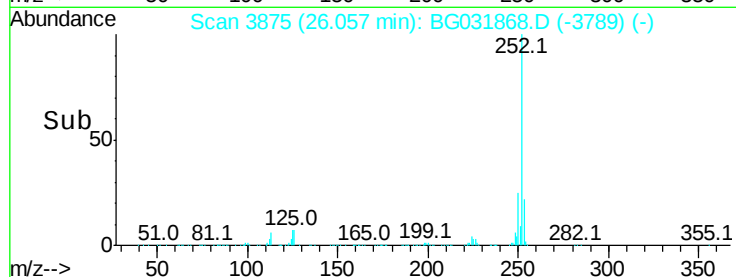
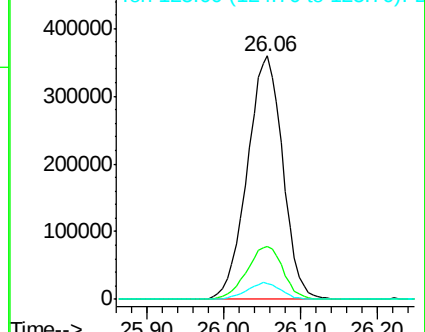


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 42.431 ng

RT: 30.66 min Scan# 4658

Delta R.T. -0.05 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

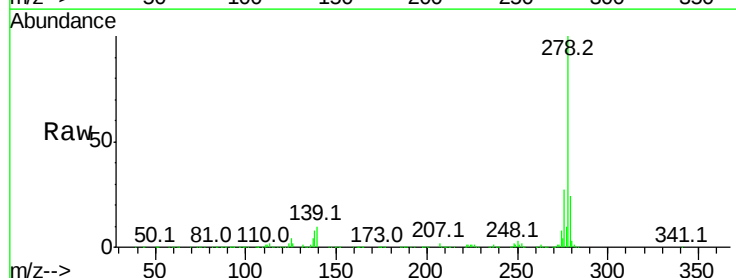
Tgt Ion:278 Resp: 1183310

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 9.8   | 9.8   | 14.6  |
| 279 | 24.5  | 18.4  | 27.6  |

278 100

139 9.8 9.8 14.6

279 24.5 18.4 27.6

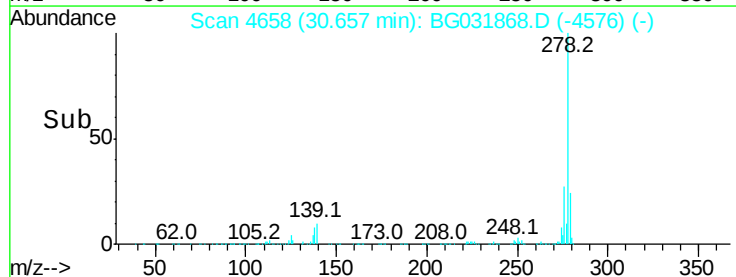
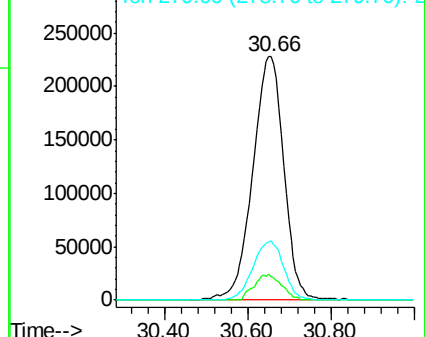


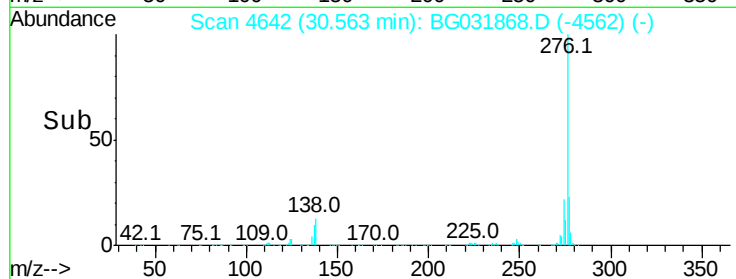
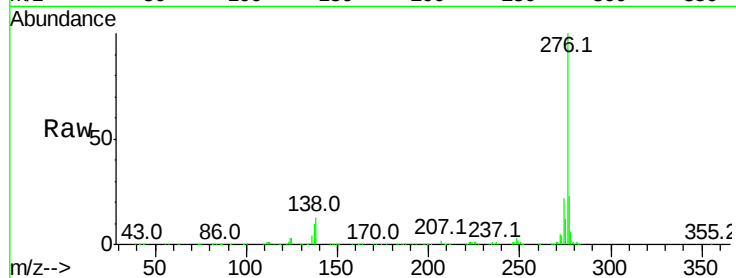
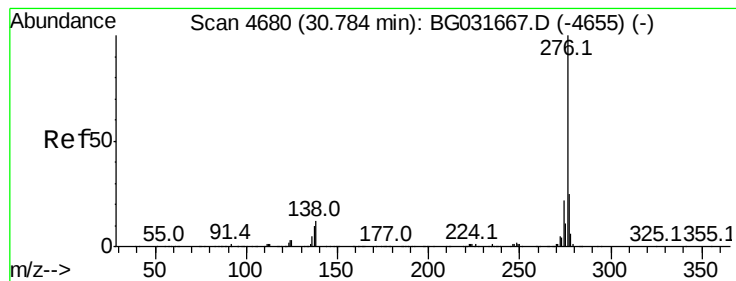
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 43.052 ng

RT: 30.56 min Scan# 4642

Delta R.T. -0.06 min

Lab File: BG031868.D

Acq: 29 Dec 2017 23:50

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:276 Resp: 1417553

Ion Ratio Lower Upper

276 100

277 23.3 18.3 27.5

138 12.6 13.9 20.9#

