

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112117\  
 Data File : BG031163.D  
 Acq On : 21 Nov 2017 21:43  
 Operator : SJ/JU  
 Sample : I6505-02  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 22 00:34:08 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 10 15:38:25 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.14  | 152  | 58252    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 10.95 | 136  | 257765   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 14.76 | 164  | 170344   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 17.50 | 188  | 440209   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 21.77 | 240  | 493096   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 25.08 | 264  | 489300   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.70  | 112 | 237033  | 69.78  | ng | -0.01 |
| 7) Phenol-d6             | 7.30  | 99  | 198172  | 43.30  | ng | 0.00  |
| 23) Nitrobenzene-d5      | 9.31  | 82  | 393280  | 90.41  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.24 | 330 | 313143  | 113.64 | ng | -0.01 |
| 44) 2-Fluorobiphenyl     | 13.38 | 172 | 1100979 | 92.87  | ng | -0.02 |
| 78) Terphenyl-d14        | 20.09 | 244 | 1990318 | 89.13  | ng | 0.00  |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.55  | 88  | 23280  | 16.887 | ng | # 81   |
| 3) Pyridine                    | 3.95  | 79  | 49995  | 12.492 | ng | 92     |
| 4) n-Nitrosodimethylamine      | 3.86  | 42  | 29605  | 15.608 | ng | # 87   |
| 6) Aniline                     | 7.45  | 93  | 136288 | 22.628 | ng | 96     |
| 8) 2-Chlorophenol              | 7.70  | 128 | 148613 | 39.642 | ng | 91     |
| 9) Benzaldehyde                | 7.27  | 77  | 67741  | 21.152 | ng | 86     |
| 10) Phenol                     | 7.33  | 94  | 73682  | 15.503 | ng | 91     |
| 11) bis(2-Chloroethyl)ether    | 7.55  | 93  | 164866 | 43.444 | ng | 89     |
| 12) 1,3-Dichlorobenzene        | 8.02  | 146 | 178382 | 40.556 | ng | 95     |
| 13) 1,4-Dichlorobenzene        | 8.17  | 146 | 182621 | 40.973 | ng | 91     |
| 14) 1,2-Dichlorobenzene        | 8.49  | 146 | 176517 | 41.261 | ng | 96     |
| 15) Benzyl Alcohol             | 8.37  | 79  | 94196  | 25.659 | ng | 92     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.66  | 45  | 247892 | 59.139 | ng | 91     |
| 17) 2-Methylphenol             | 8.58  | 107 | 107252 | 32.405 | ng | 95     |
| 18) Hexachloroethane           | 9.22  | 117 | 62697  | 40.416 | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 8.93  | 70  | 136711 | 39.287 | ng | # 93   |
| 20) 3+4-Methylphenols          | 8.91  | 107 | 129860 | 27.593 | ng | 94     |
| 22) Acetophenone               | 8.96  | 105 | 271013 | 42.227 | ng | # 92   |
| 24) Nitrobenzene               | 9.35  | 77  | 199330 | 44.859 | ng | 89     |
| 25) Isophorone                 | 9.87  | 82  | 385661 | 45.459 | ng | # 91   |
| 26) 2-Nitrophenol              | 10.06 | 139 | 103837 | 44.831 | ng | # 86   |
| 27) 2,4-Dimethylphenol         | 10.12 | 122 | 156265 | 45.445 | ng | 90     |
| 28) bis(2-Chloroethoxy)methane | 10.35 | 93  | 239303 | 44.787 | ng | 96     |
| 29) 2,4-Dichlorophenol         | 10.60 | 162 | 190052 | 46.028 | ng | 90     |
| 30) 1,2,4-Trichlorobenzene     | 10.82 | 180 | 216417 | 43.901 | ng | 98     |
| 31) Naphthalene                | 11.00 | 128 | 554296 | 43.743 | ng | 98     |
| 32) Benzoic acid               | 10.23 | 122 | 15061  | 10.300 | ng | 90     |
| 33) 4-Chloroaniline            | 11.11 | 127 | 175809 | 31.694 | ng | 95     |
| 34) Hexachlorobutadiene        | 11.28 | 225 | 136923 | 40.049 | ng | 98     |
| 35) Caprolactam                | 11.88 | 113 | 3960   | 2.348  | ng | # 63   |
| 36) 4-Chloro-3-methylphenol    | 12.23 | 107 | 180936 | 40.262 | ng | # 88   |
| 37) 2-Methylnaphthalene        | 12.60 | 142 | 450400 | 46.044 | ng | 94     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.97 | 216 | 279823 | 41.389 | ng | 97     |
| 40) Hexachlorocyclopentadiene  | 12.94 | 237 | 186795 | 75.409 | ng | 91     |

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 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

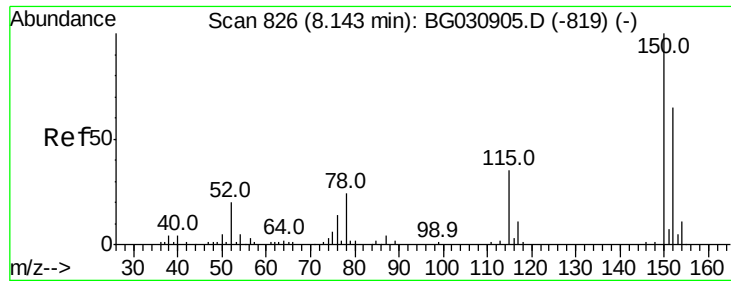
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 22 00:34:08 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 10 15:38:25 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.20 | 196  | 176391   | 45.638 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 13.28 | 196  | 187198   | 44.268 | nq    | # 94     |
| 45) 1,1'-Biphenyl              | 13.59 | 154  | 603262   | 42.707 | nq    | 97       |
| 46) 2-Chloronaphthalene        | 13.64 | 162  | 483174   | 47.409 | nq    | 97       |
| 47) 2-Nitroaniline             | 13.84 | 65   | 134454   | 44.510 | nq    | # 78     |
| 48) Acenaphthylene             | 14.48 | 152  | 741869   | 44.475 | nq    | 98       |
| 49) Dimethylphthalate          | 14.21 | 163  | 656798   | 44.593 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.33 | 165  | 149246   | 49.162 | nq    | # 77     |
| 51) Acenaphthene               | 14.82 | 154  | 463396   | 44.481 | nq    | 100      |
| 52) 3-Nitroaniline             | 14.66 | 138  | 114586   | 35.548 | nq    | # 79     |
| 53) 2,4-Dinitrophenol          | 14.88 | 184  | 160151   | 94.726 | nq    | # 49     |
| 54) Dibenzofuran               | 15.15 | 168  | 768811   | 46.332 | nq    | 100      |
| 55) 4-Nitrophenol              | 14.99 | 139  | 72313    | 31.493 | nq    | # 75     |
| 56) 2,4-Dinitrotoluene         | 15.12 | 165  | 216637   | 49.362 | nq    | # 74     |
| 57) Fluorene                   | 15.80 | 166  | 605567   | 44.951 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.39 | 232  | 187027   | 46.405 | nq    | # 89     |
| 59) Diethylphthalate           | 15.56 | 149  | 654960   | 43.778 | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 15.79 | 204  | 364452   | 44.794 | nq    | 92       |
| 61) 4-Nitroaniline             | 15.83 | 138  | 149843   | 43.900 | nq    | 86       |
| 62) Azobenzene                 | 16.08 | 77   | 530370   | 46.483 | nq    | 92       |
| 64) 4,6-Dinitro-2-methylphenol | 15.89 | 198  | 120933   | 41.330 | nq    | # 75     |
| 65) n-Nitrosodiphenylamine     | 16.00 | 169  | 571263   | 42.825 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.68 | 248  | 241403   | 43.298 | nq    | 99       |
| 67) Hexachlorobenzene          | 16.81 | 284  | 246666   | 41.637 | nq    | 96       |
| 68) Atrazine                   | 16.94 | 200  | 235337   | 42.759 | nq    | 96       |
| 69) Pentachlorophenol          | 17.15 | 266  | 243480   | 74.351 | nq    | 100      |
| 70) Phenanthrene               | 17.54 | 178  | 1050090  | 45.815 | nq    | 97       |
| 71) Anthracene                 | 17.63 | 178  | 1091337  | 47.519 | nq    | 98       |
| 72) Carbazole                  | 17.90 | 167  | 995823   | 46.276 | nq    | 99       |
| 73) Di-n-butylphthalate        | 18.44 | 149  | 1162533  | 43.999 | nq    | 99       |
| 74) Fluoranthene               | 19.55 | 202  | 1384601  | 47.711 | nq    | 97       |
| 76) Benzidine                  | 19.72 | 184  | 518449   | 32.732 | nq    | 98       |
| 77) Pyrene                     | 19.90 | 202  | 1405781  | 48.044 | nq    | 97       |
| 79) Butylbenzylphthalate       | 20.77 | 149  | 560006   | 48.001 | nq    | # 83     |
| 80) Benzo(a)anthracene         | 21.76 | 228  | 1413400  | 46.146 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.66 | 252  | 413106   | 33.412 | nq    | 98       |
| 82) Chrysene                   | 21.83 | 228  | 1329510  | 46.924 | nq    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 21.63 | 149  | 779352   | 46.278 | nq    | 98       |
| 84) Di-n-octyl phthalate       | 22.86 | 149  | 1325168  | 48.346 | nq    | # 94     |
| 85) Indeno(1,2,3-cd)pyrene     | 28.88 | 276  | 1500442  | 43.561 | nq    | # 88     |
| 87) Benzo(b)fluoranthene       | 24.03 | 252  | 1412165  | 47.712 | nq    | 98       |
| 88) Benzo(k)fluoranthene       | 24.09 | 252  | 1335354  | 45.517 | nq    | 98       |
| 89) Benzo(a)pyrene             | 24.93 | 252  | 1331695  | 47.362 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 28.93 | 278  | 1265097  | 44.020 | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 30.07 | 276  | 1244623  | 44.621 | nq    | 96       |

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



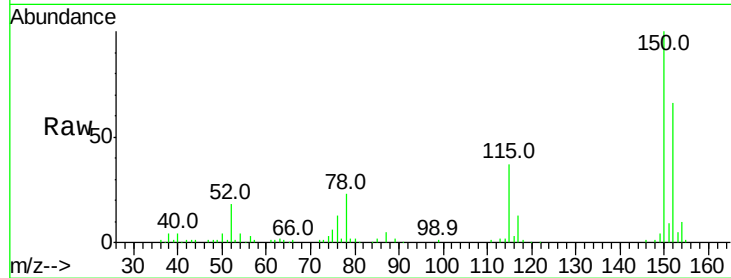


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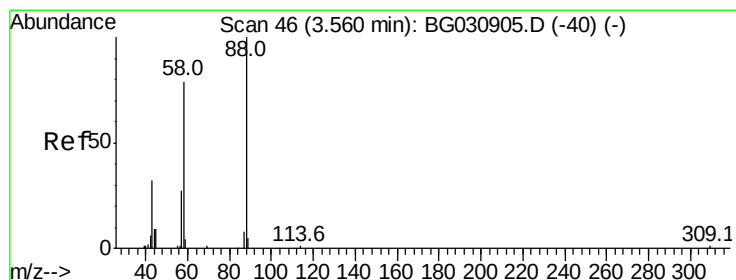
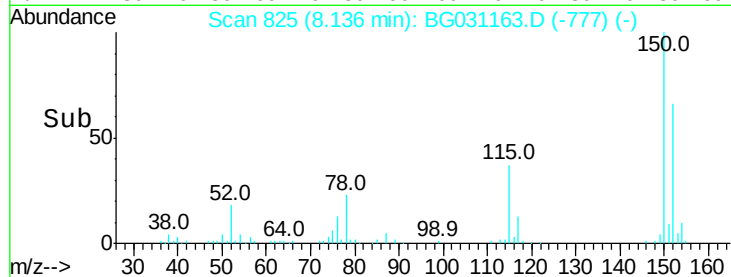
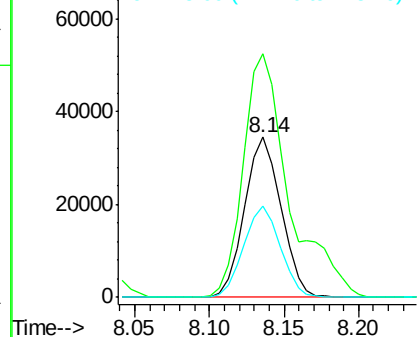
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.14 min Scan# 825  
Delta R.T. -0.02 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 58252  
Ion Ratio Lower Upper  
152 100  
150 152.3 126.6 189.8  
115 56.8 53.0 79.4



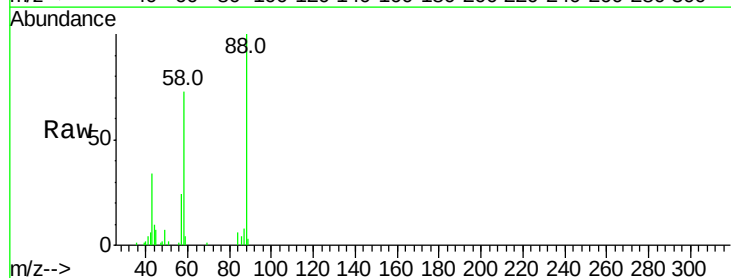
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



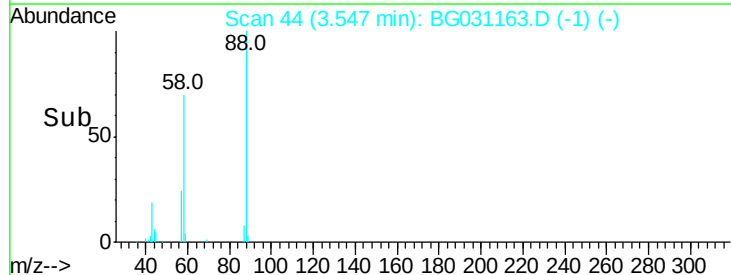
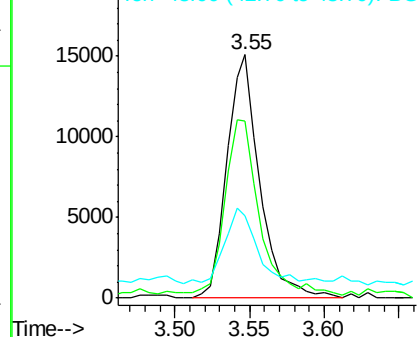
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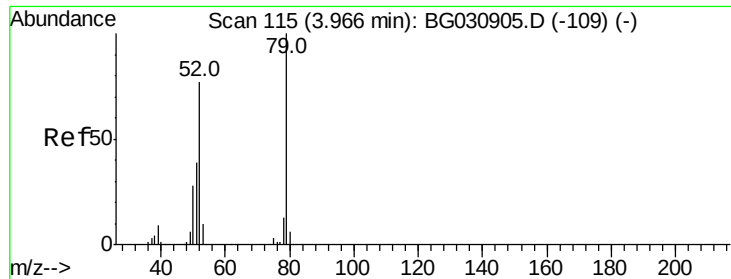
1,4-Dioxane  
Concen: 16.887 ng  
RT: 3.55 min Scan# 44  
Delta R.T. -0.02 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

Tgt Ion: 88 Resp: 23280  
Ion Ratio Lower Upper  
88 100  
58 76.0 79.6 119.4#  
43 31.6 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

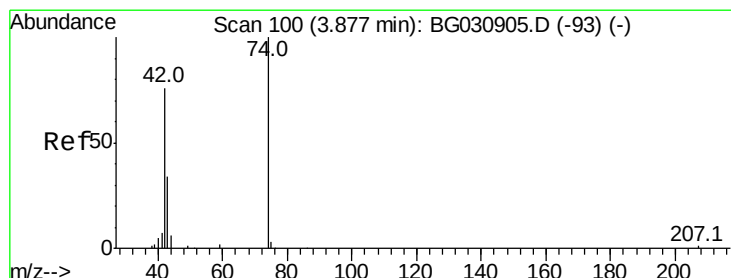
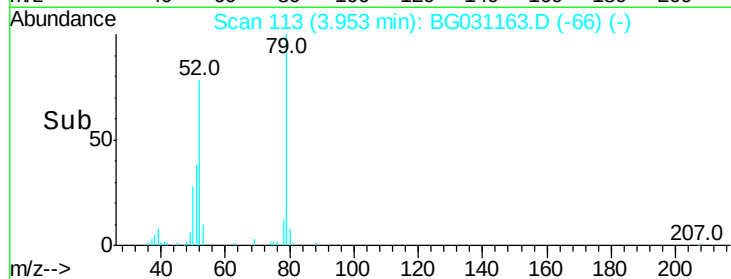
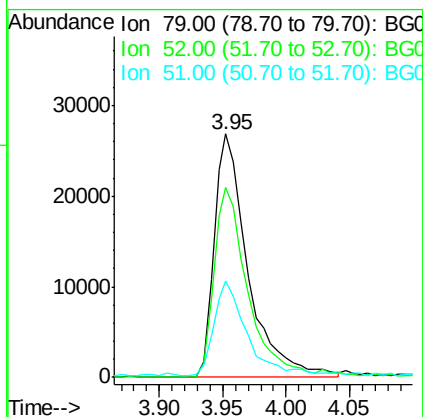
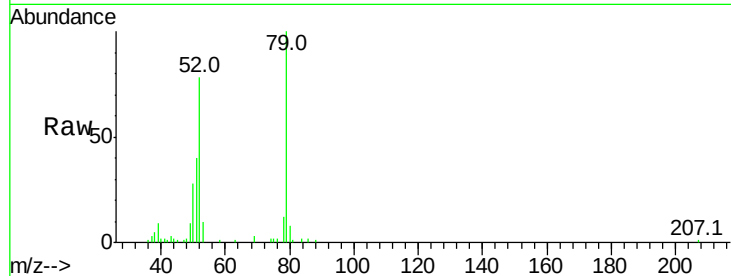




#3  
 Pvridine  
 Concen: 12.492 ng  
 RT: 3.95 min Scan# 113  
 Delta R.T. -0.02 min  
 Lab File: BG031163.D  
 Acq: 21 Nov 2017 21:43

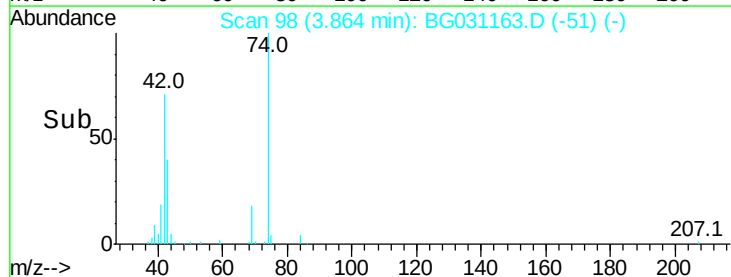
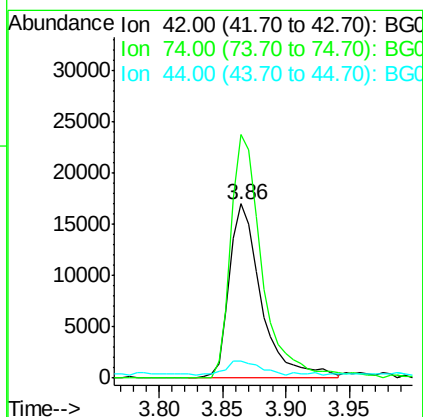
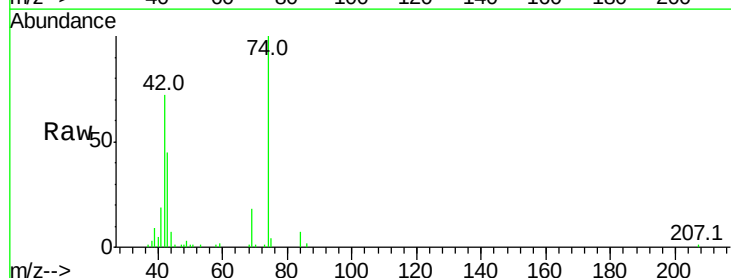
Instrument :  
 BNA\_G  
 ClientSampleId :

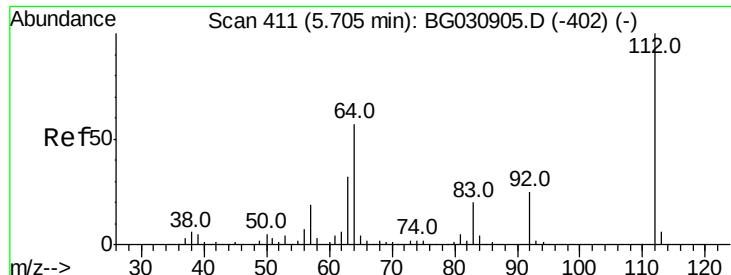
Tot Ion: 79 Resp: 49995  
 Ion Ratio Lower Upper  
 79 100  
 52 77.8 69.9 104.9  
 51 39.7 34.0 51.0



#4  
 n-Nitrosodimethylamine  
 Concen: 15.608 ng  
 RT: 3.86 min Scan# 98  
 Delta R.T. -0.02 min  
 Lab File: BG031163.D  
 Acq: 21 Nov 2017 21:43

Tgt Ion: 42 Resp: 29605  
 Ion Ratio Lower Upper  
 42 100  
 74 139.6 102.5 153.7  
 44 9.8 18.9 28.3#





#5

2-Fluorophenol

Concen: 69.775 ng

RT: 5.70 min Scan# 410

Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

Instrument :

BNA\_G

ClientSampled :

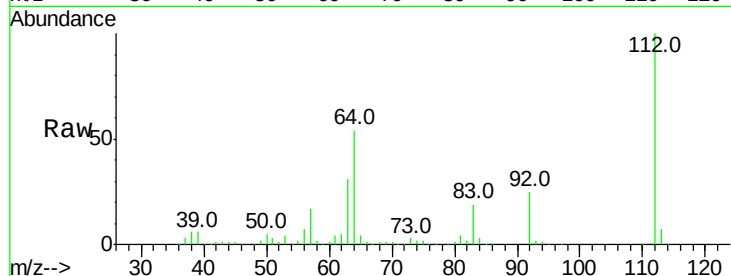
Tot Ion:112 Resp: 237033

Ion Ratio Lower Upper

112 100

64 54.2 56.3 84.5#

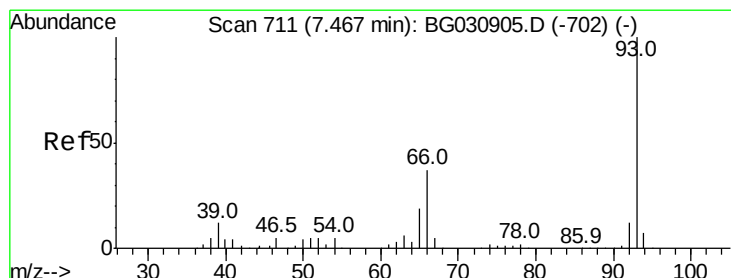
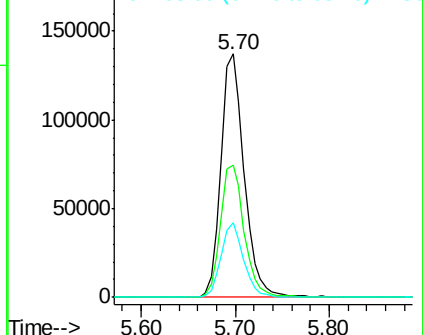
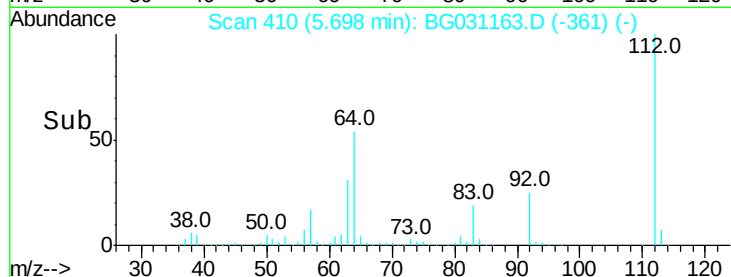
63 30.6 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 22.628 ng

RT: 7.45 min Scan# 709

Delta R.T. -0.02 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

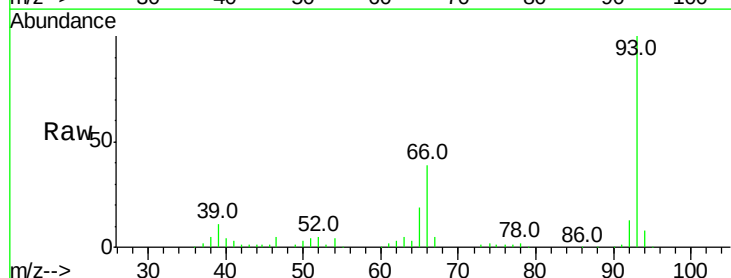
Tgt Ion: 93 Resp: 136288

Ion Ratio Lower Upper

93 100

66 38.5 33.7 50.5

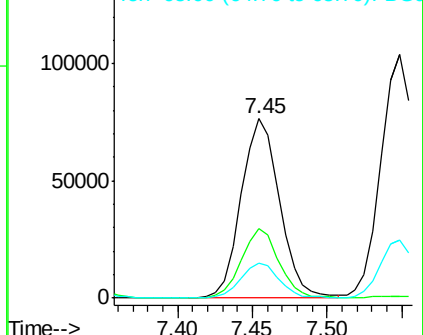
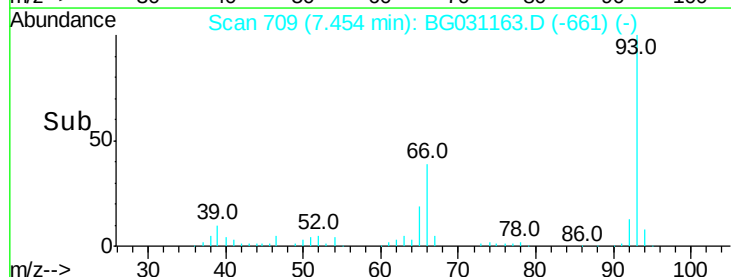
65 19.5 16.1 24.1

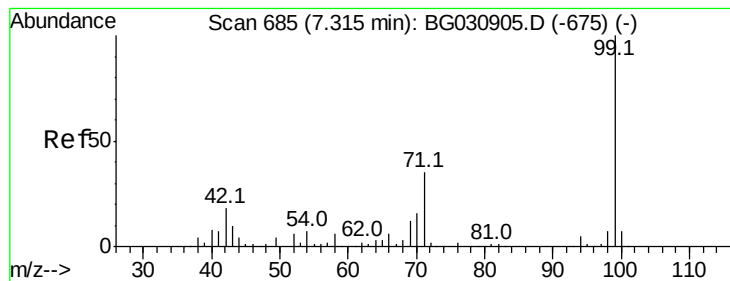


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 43.301 ng

RT: 7.30 min Scan# 683

Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

Instrument :

BNA\_G

ClientSampled :

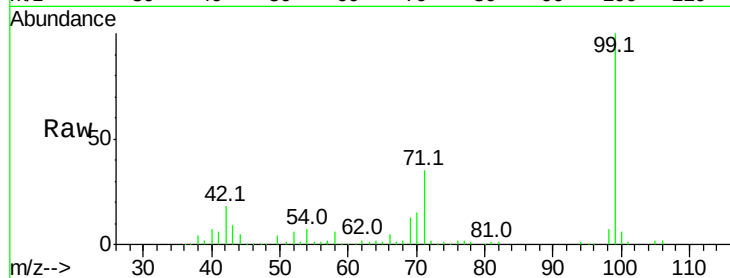
Tot Ion: 99 Resp: 198172

Ion Ratio Lower Upper

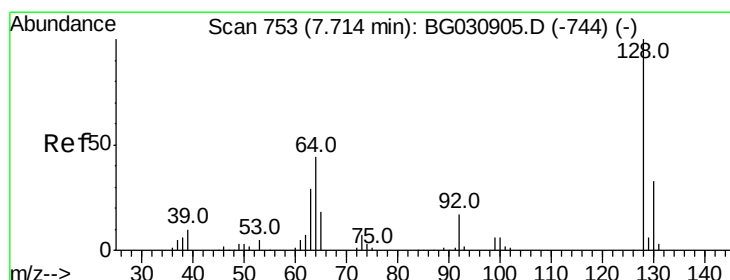
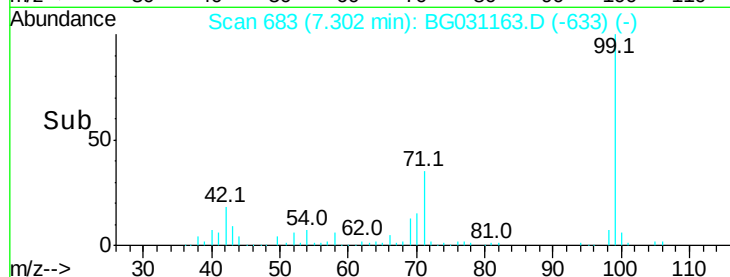
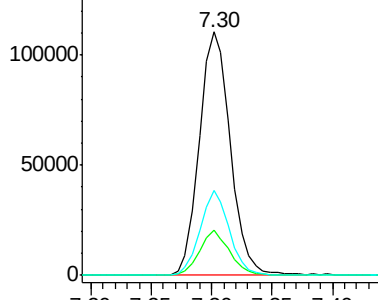
99 100

42 18.4 14.1 21.1

71 34.8 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: 39.642 ng

RT: 7.70 min Scan# 751

Delta R.T. -0.02 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

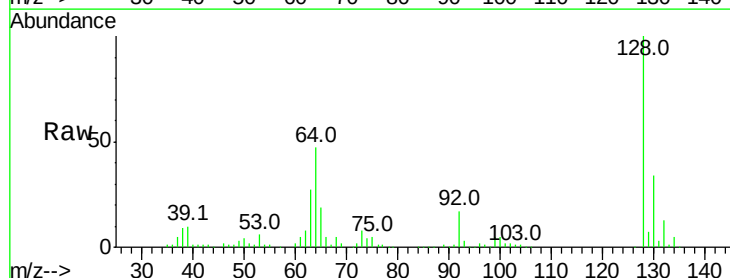
Tgt Ion: 128 Resp: 148613

Ion Ratio Lower Upper

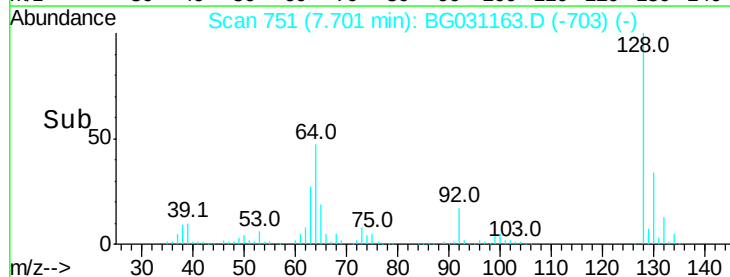
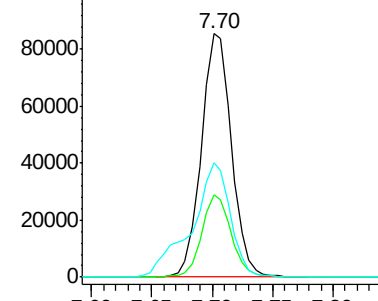
128 100

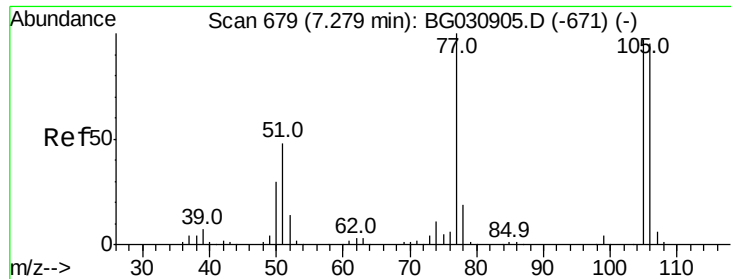
130 33.9 14.0 54.0

64 47.2 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: 21.152 ng

RT: 7.27 min Scan# 678

Delta R.T. -0.02 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

Instrument :

BNA\_G

ClientSampled :

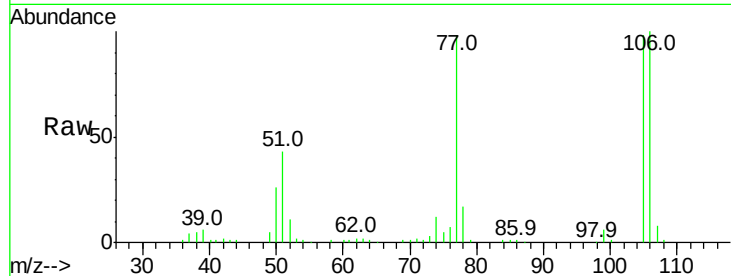
Tot Ion: 77 Resp: 67741

Ion Ratio Lower Upper

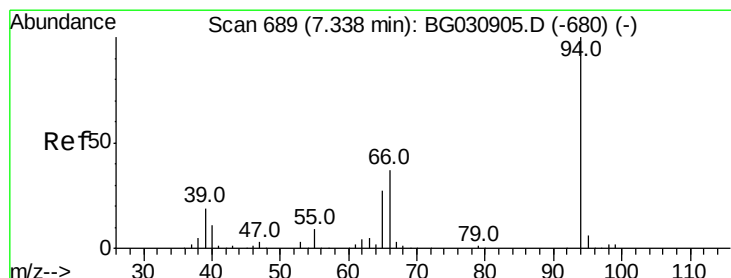
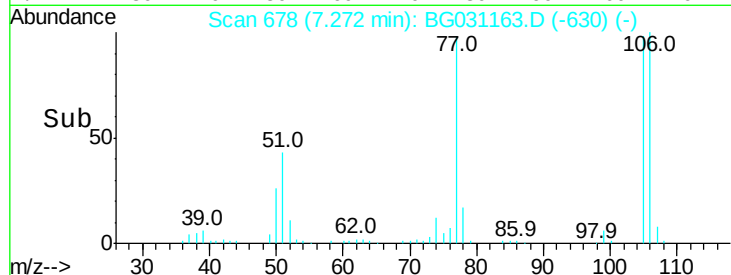
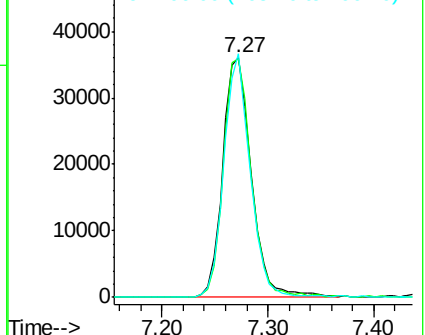
77 100

105 99.4 71.3 111.3

106 101.6 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: 15.503 ng

RT: 7.33 min Scan# 688

Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

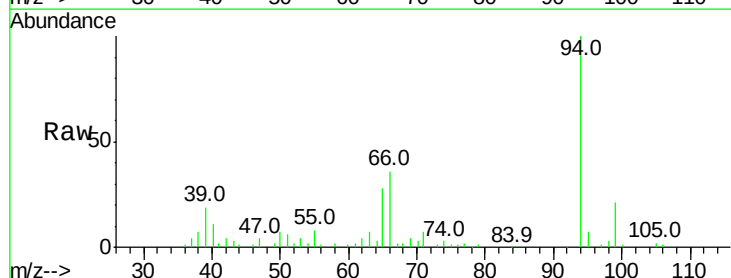
Tgt Ion: 94 Resp: 73682

Ion Ratio Lower Upper

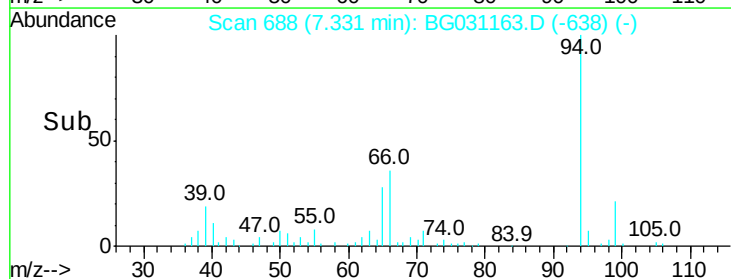
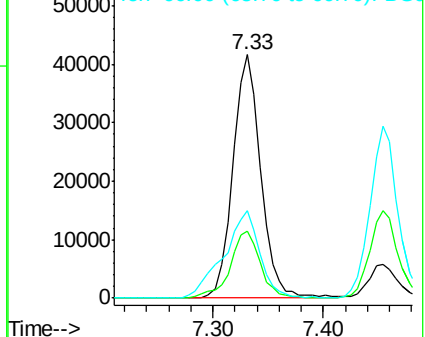
94 100

65 27.5 11.9 51.9

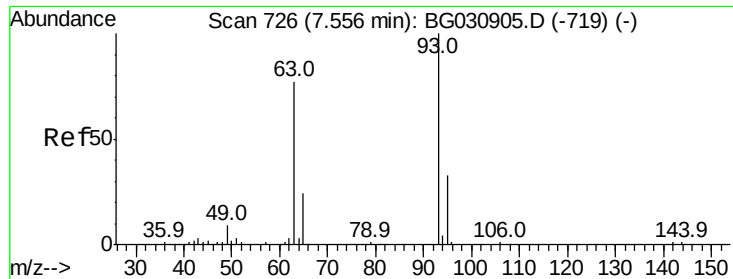
66 35.8 22.2 62.2



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: 43.444 ng

RT: 7.55 min Scan# 725

Delta R.T. -0.02 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

Instrument :

BNA\_G

ClientSampleId :

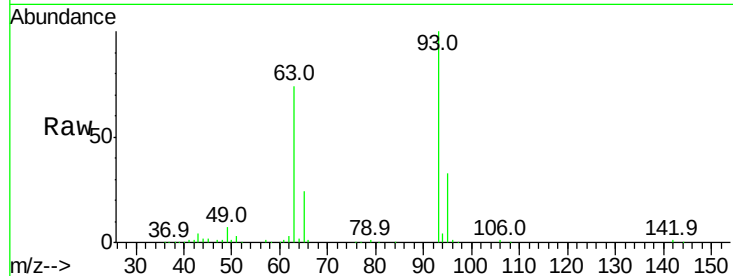
Tot Ion: 93 Resp: 164866

Ion Ratio Lower Upper

93 100

63 73.6 67.1 107.1

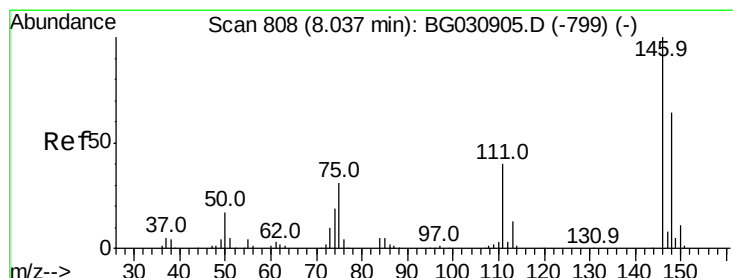
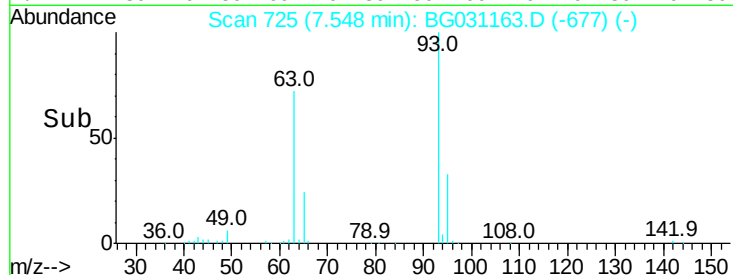
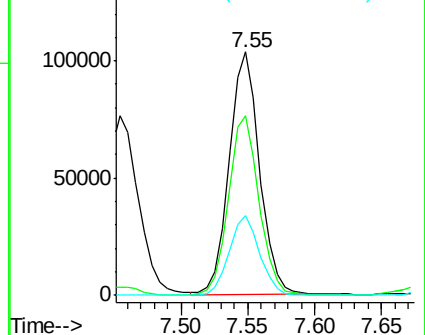
95 33.0 11.5 51.5



Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC



#12

1,3-Dichlorobenzene

Concen: 40.556 ng

RT: 8.02 min Scan# 806

Delta R.T. -0.02 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

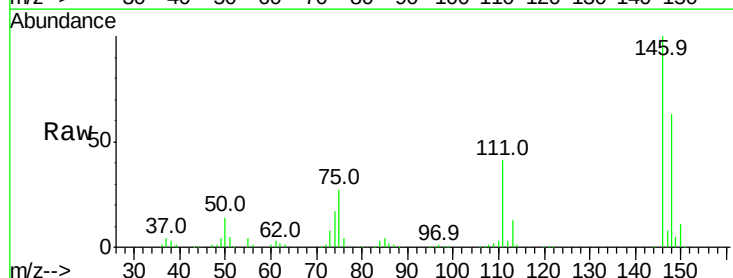
Tgt Ion: 146 Resp: 178382

Ion Ratio Lower Upper

146 100

148 62.7 51.4 77.2

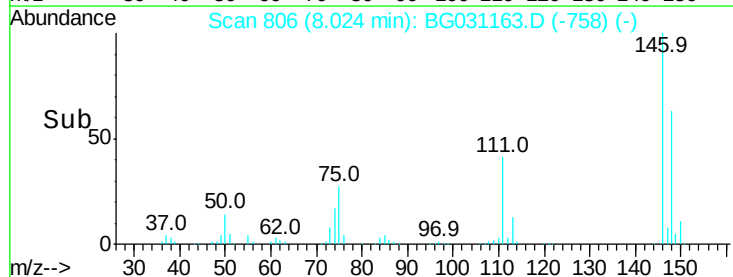
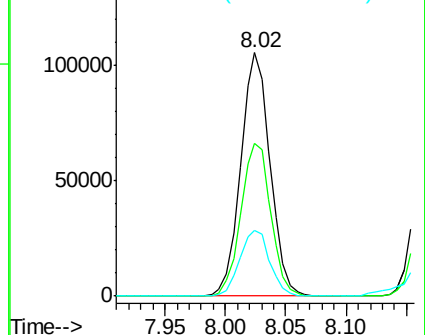
75 27.1 26.6 39.8

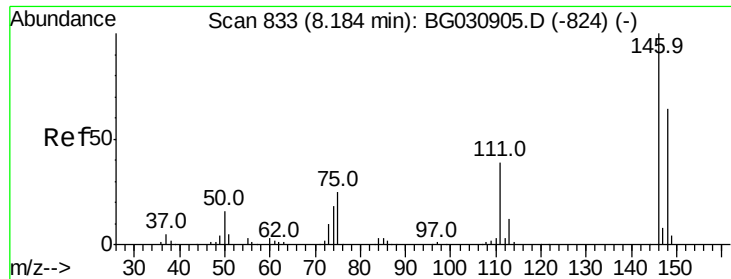


Abundance Ion 146.00 (145.70 to 146.70): BGC

Ion 148.00 (147.70 to 148.70): BGC

Ion 75.00 (74.70 to 75.70): BGC

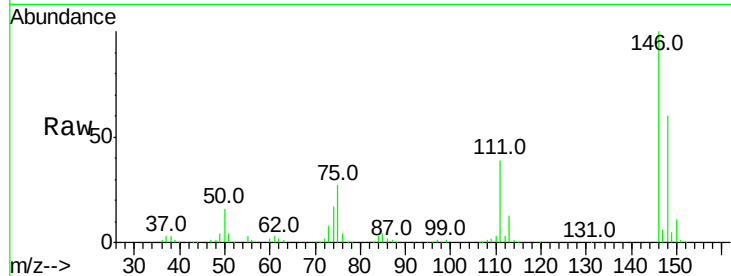




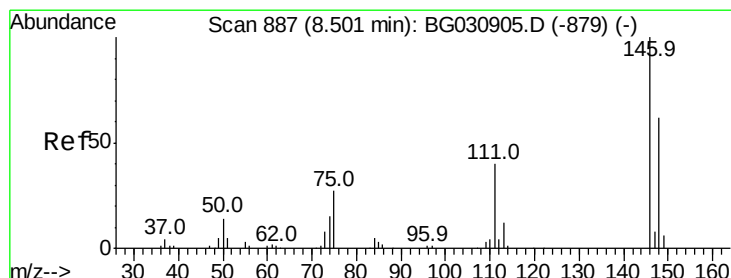
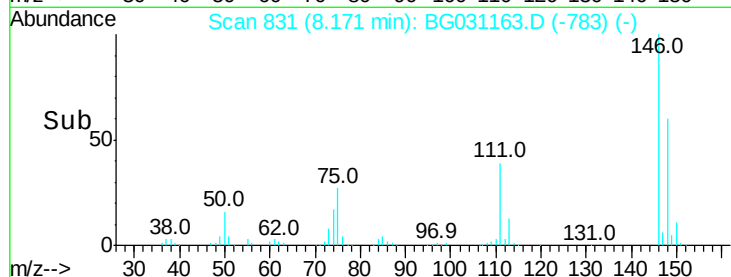
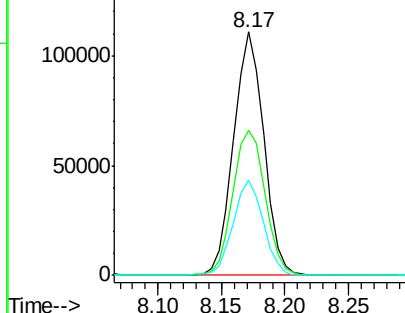
#13  
 1,4-Dichlorobenzene  
 Concen: 40.973 ng  
 RT: 8.17 min Scan# 831  
 Delta R.T. -0.02 min  
 Lab File: BG031163.D  
 Acq: 21 Nov 2017 21:43

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:146 Resp: 182621  
 Ion Ratio Lower Upper  
 146 100  
 148 59.6 53.7 80.5  
 111 38.9 35.2 52.8

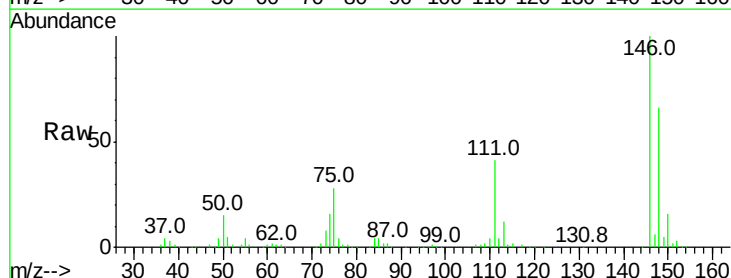


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

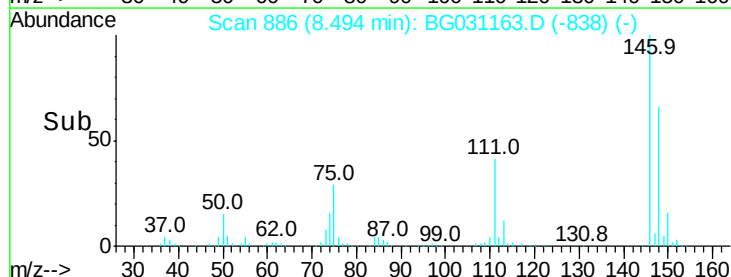
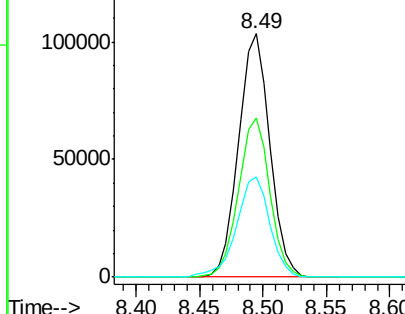


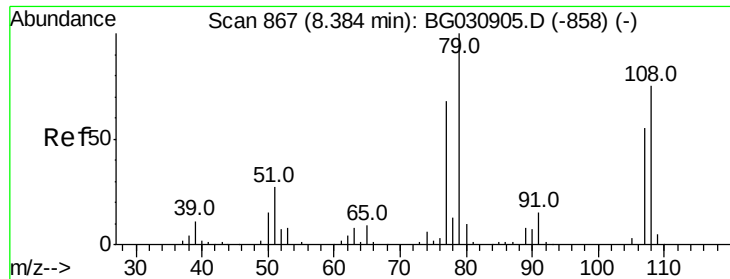
#14  
 1,2-Dichlorobenzene  
 Concen: 41.261 ng  
 RT: 8.49 min Scan# 886  
 Delta R.T. -0.02 min  
 Lab File: BG031163.D  
 Acq: 21 Nov 2017 21:43

Tgt Ion:146 Resp: 176517  
 Ion Ratio Lower Upper  
 146 100  
 148 65.6 49.3 73.9  
 111 41.1 34.3 51.5



Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 25.659 ng

RT: 8.37 min Scan# 865

Delta R.T. -0.02 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

Instrument :

BNA\_G

ClientSampleId :

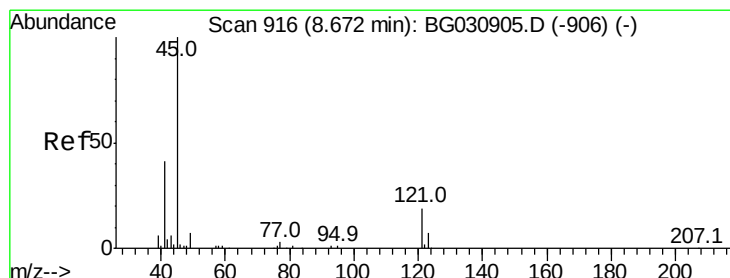
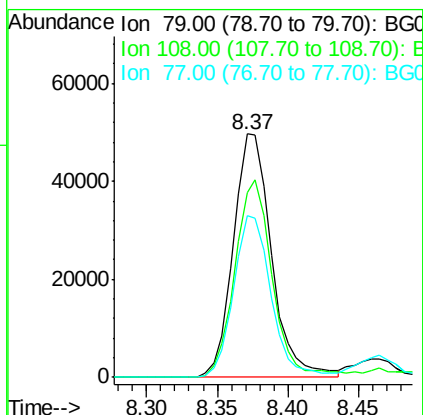
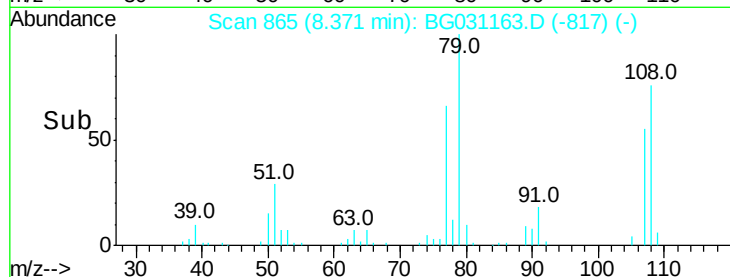
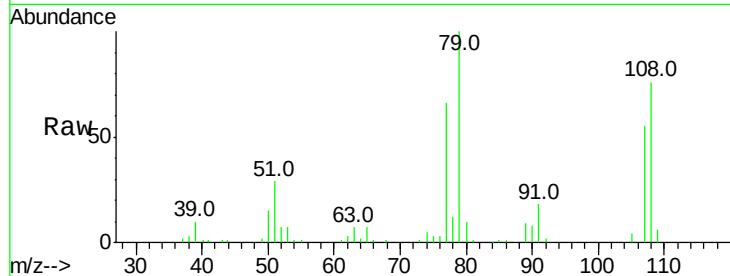
Tot Ion: 79 Resp: 94196

Ion Ratio Lower Upper

79 100

108 75.9 57.2 85.8

77 66.4 46.1 69.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 59.139 ng

RT: 8.66 min Scan# 914

Delta R.T. -0.02 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

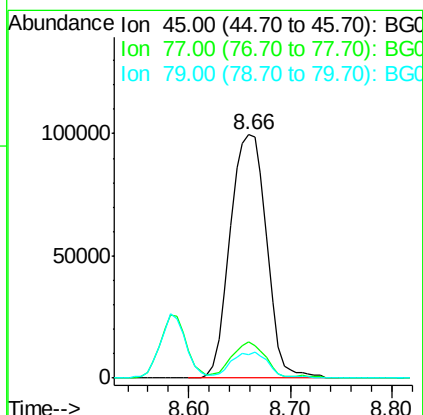
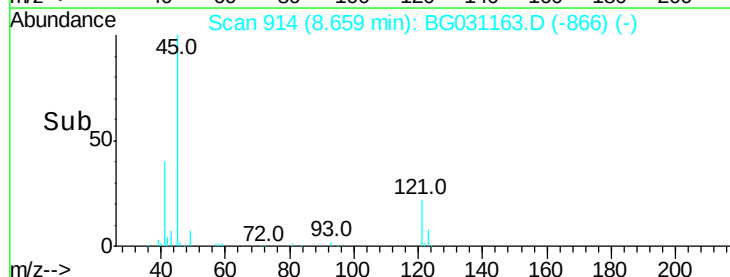
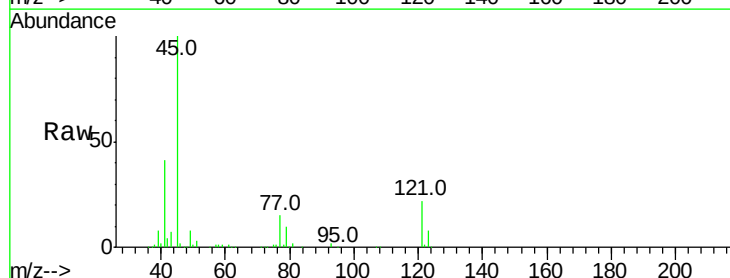
Tgt Ion: 45 Resp: 247892

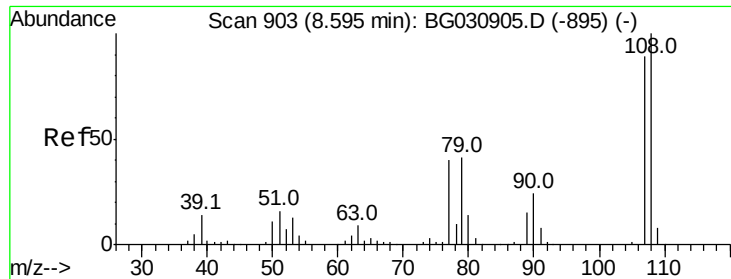
Ion Ratio Lower Upper

45 100

77 15.0 0.0 30.2

79 9.6 0.0 27.9

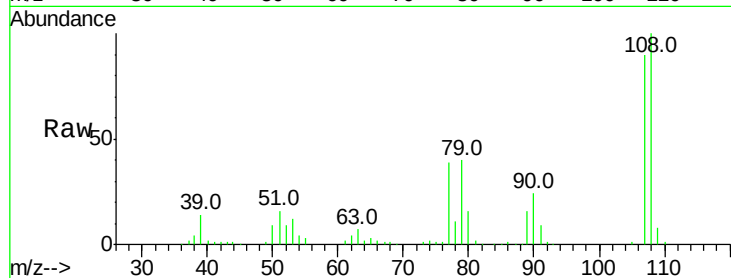




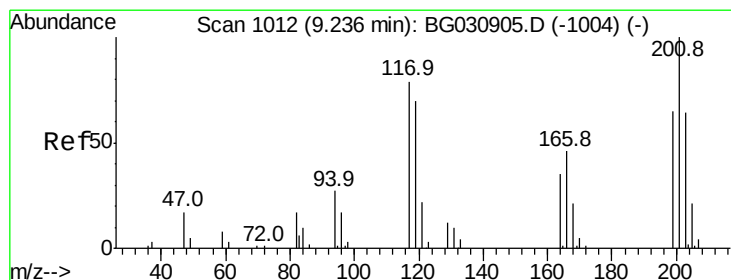
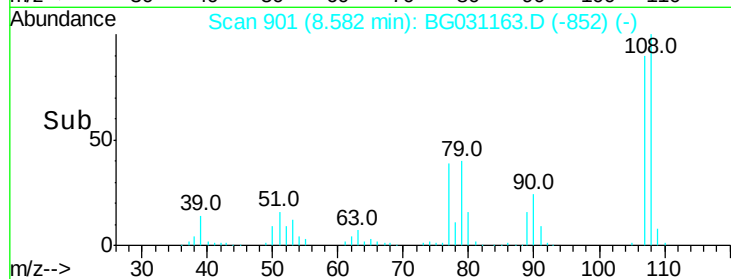
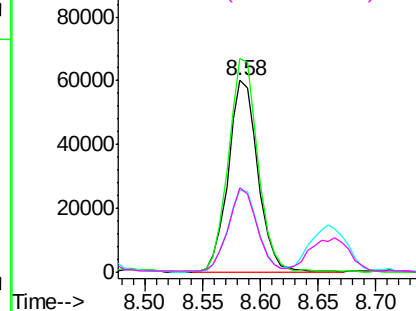
#17  
2-Methylphenol  
Concen: 32.405 ng  
RT: 8.58 min Scan# 901  
Delta R.T. -0.01 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:107 Resp: 107252  
Ion Ratio Lower Upper  
107 100  
108 111.3 83.9 125.9  
77 43.0 37.2 55.8  
79 44.1 36.2 54.2

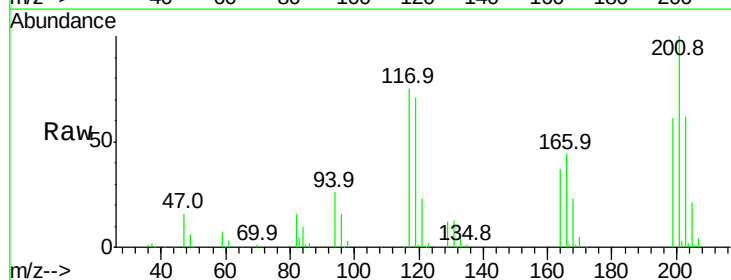


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BG  
Ion 79.00 (78.70 to 79.70): BG

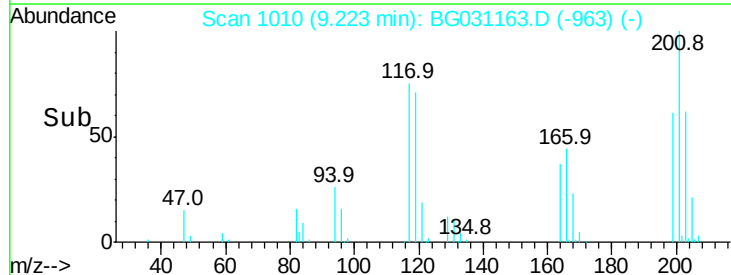
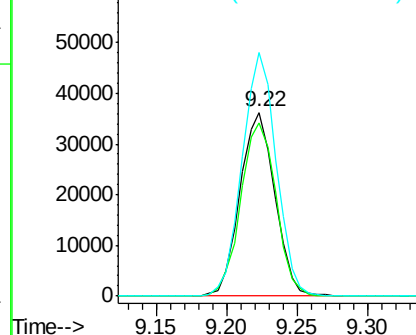


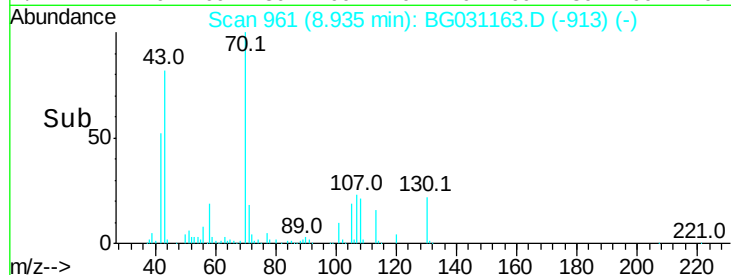
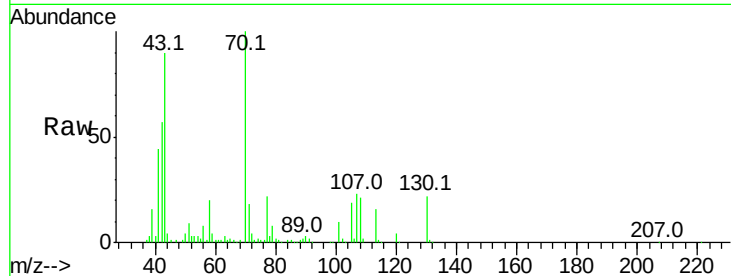
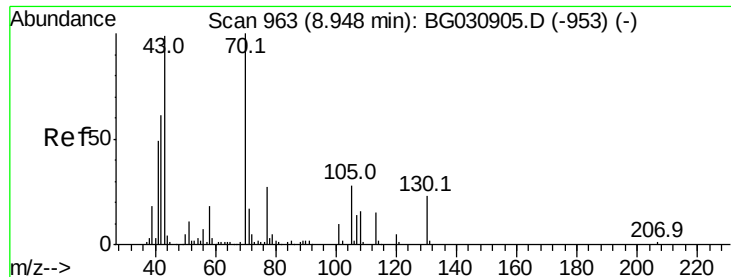
#18  
Hexachloroethane  
Concen: 40.416 ng  
RT: 9.22 min Scan# 1010  
Delta R.T. -0.02 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

Tgt Ion:117 Resp: 62697  
Ion Ratio Lower Upper  
117 100  
119 94.6 76.7 115.1  
201 132.6 95.7 143.5



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

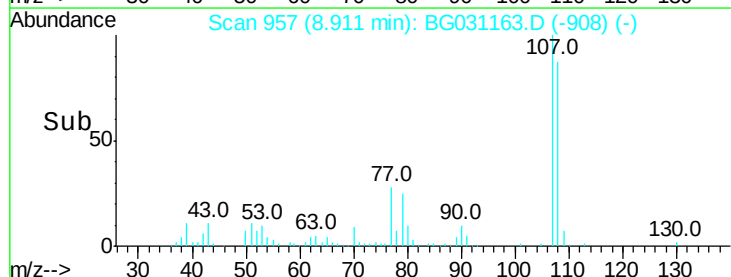
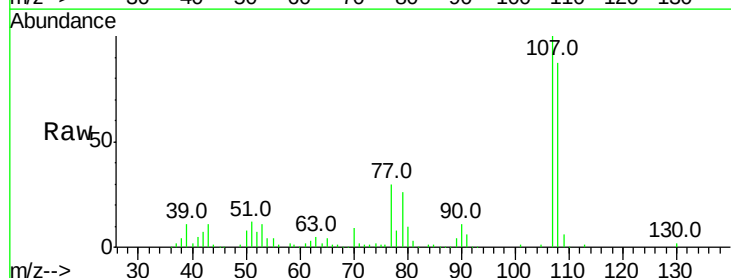
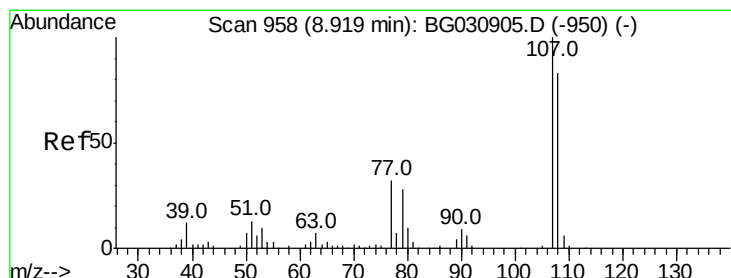
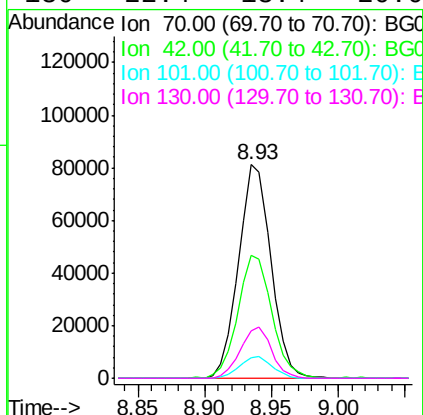




#19  
n-Nitroso-di-n-propylamine  
Concen: 39.287 ng  
RT: 8.93 min Scan# 961  
Delta R.T. -0.02 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

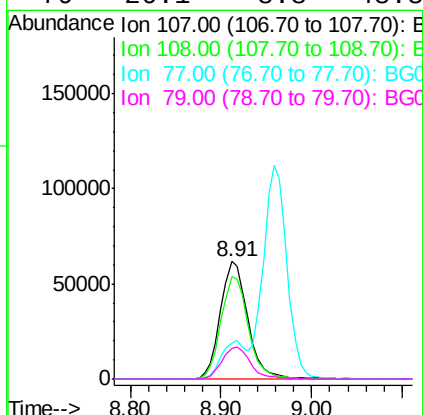
Instrument :  
BNA\_G  
ClientSampleId :

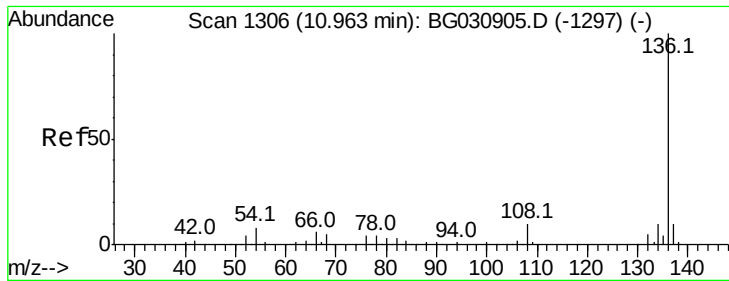
Tot Ion: 70 Resp: 136711  
Ion Ratio Lower Upper  
70 100  
42 57.3 49.1 73.7  
101 9.7 8.5 12.7  
130 22.4 13.4 20.0#



#20  
3+4-Methylphenols  
Concen: 27.593 ng  
RT: 8.91 min Scan# 957  
Delta R.T. -0.01 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

Tgt Ion: 107 Resp: 129860  
Ion Ratio Lower Upper  
107 100  
108 87.5 61.6 101.6  
77 30.3 13.9 53.9  
79 26.1 8.8 48.8

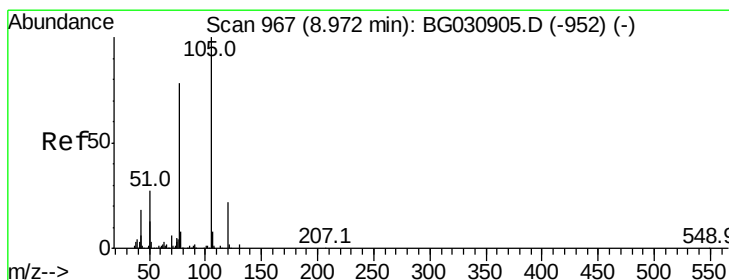
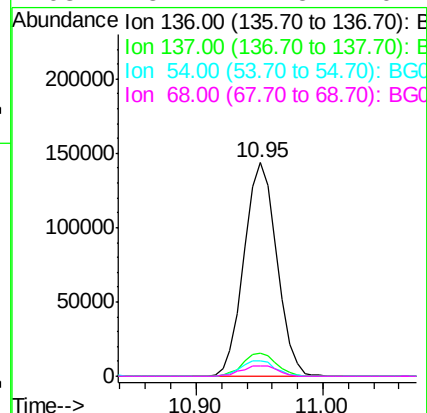
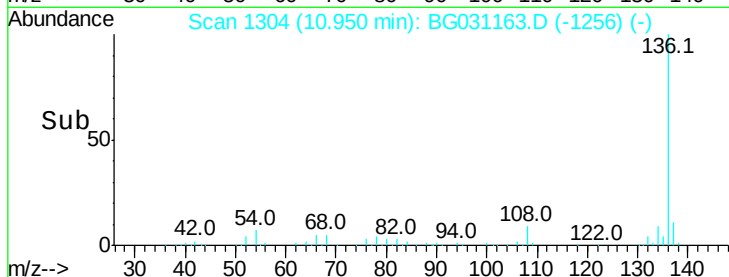
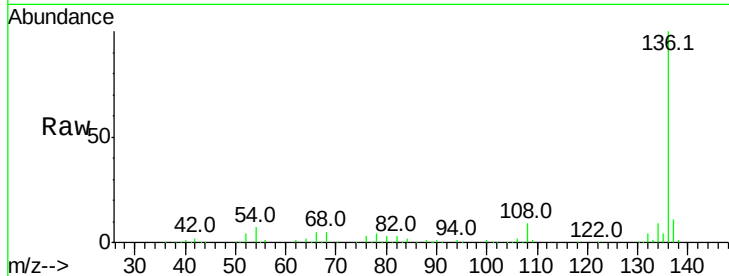




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.95 min Scan# 1304  
Delta R.T. -0.02 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

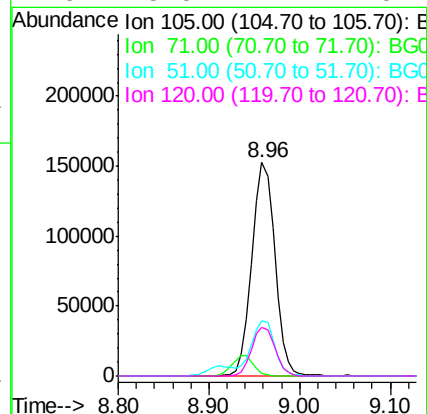
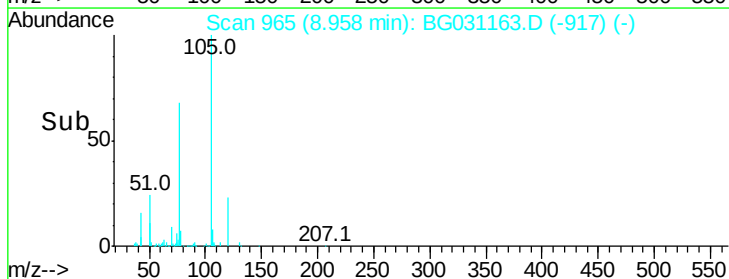
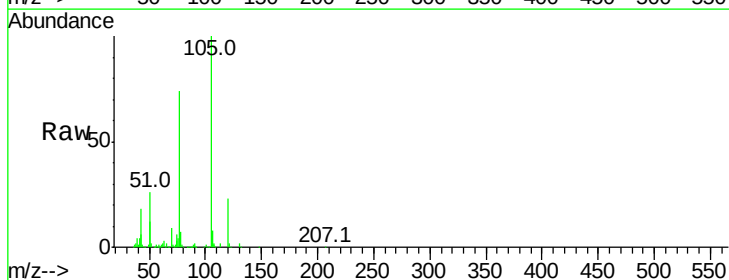
Instrument :  
BNA\_G  
ClientSampleId :

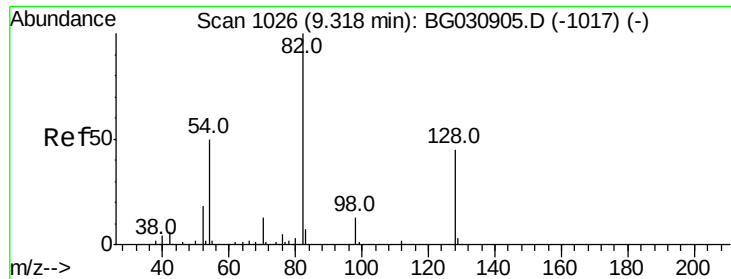
|             |       |            |
|-------------|-------|------------|
| Tot Ion:136 | Resp: | 257765     |
| Ion Ratio   | Lower | Upper      |
| 136         | 100   |            |
| 137         | 10.8  | 9.2 13.8   |
| 54          | 7.2   | 10.3 15.5# |
| 68          | 5.1   | 4.5 6.7    |



#22  
Acetophenone  
Concen: 42.227 ng  
RT: 8.96 min Scan# 965  
Delta R.T. -0.02 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:105 | Resp: | 271013     |
| Ion Ratio   | Lower | Upper      |
| 105         | 100   |            |
| 71          | 1.2   | 3.0 4.4#   |
| 51          | 25.6  | 26.1 39.1# |
| 120         | 23.0  | 17.4 26.2  |

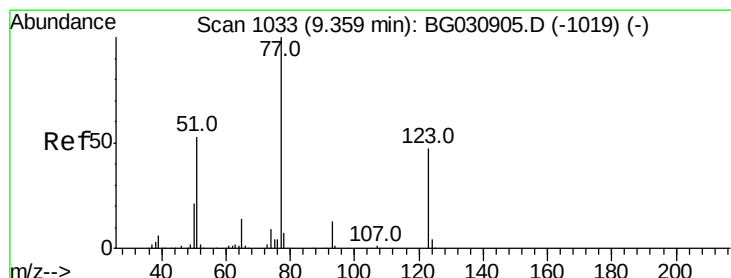
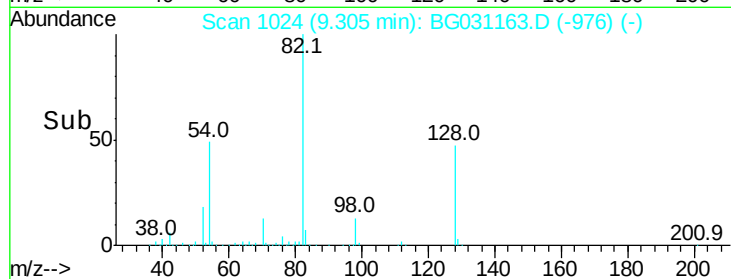
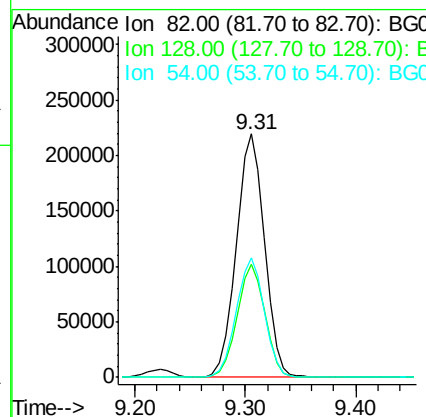
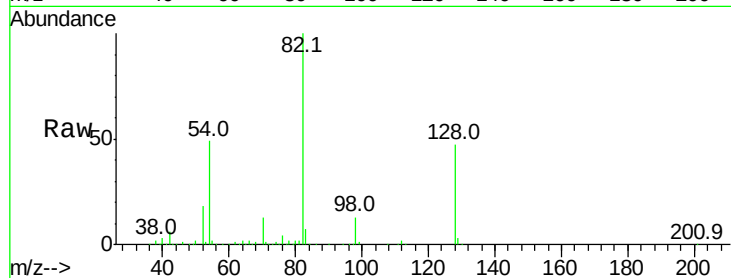




#23  
Nitrobenzene-d5  
Concen: 90.409 ng  
RT: 9.31 min Scan# 1024  
Delta R.T. -0.02 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

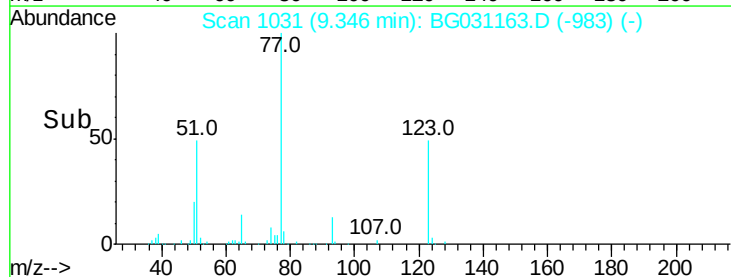
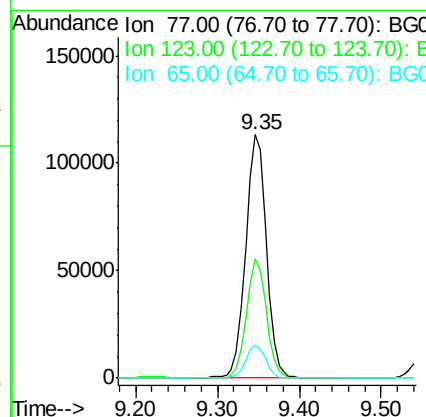
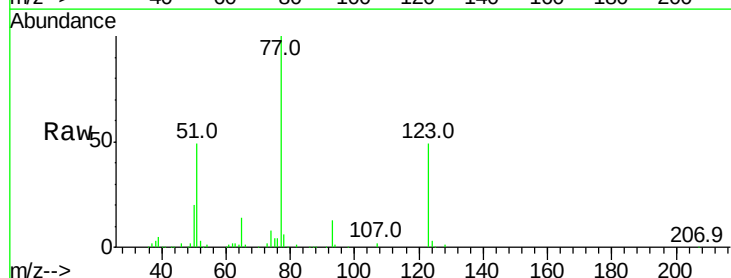
Instrument :  
BNA\_G  
ClientSampled :

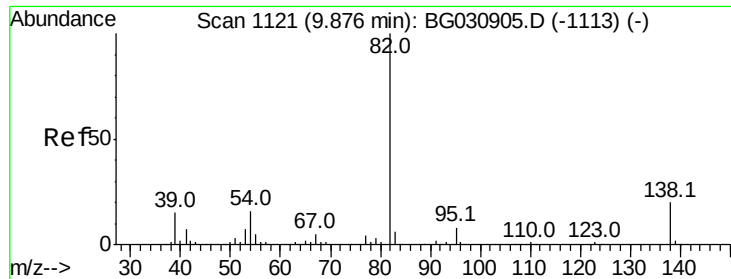
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.6  | 29.7  | 44.5# |
| 54      | 49.0  | 43.1  | 64.7  |



#24  
Nitrobenzene  
Concen: 44.859 ng  
RT: 9.35 min Scan# 1031  
Delta R.T. -0.02 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 49.2  | 33.0  | 49.6  |
| 65      | 13.5  | 13.0  | 19.6  |

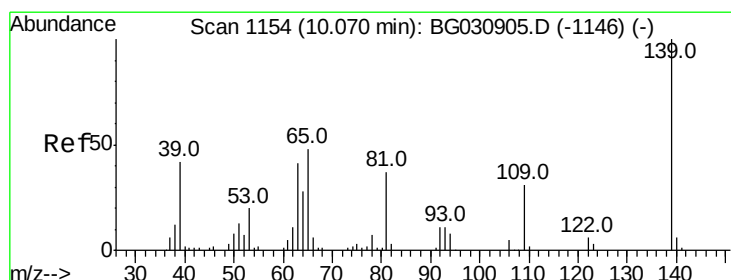
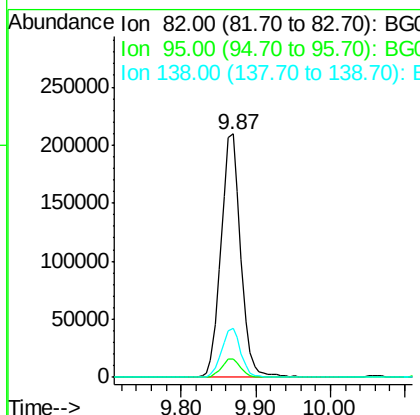
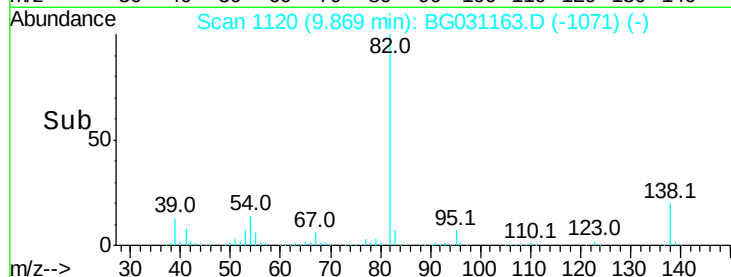
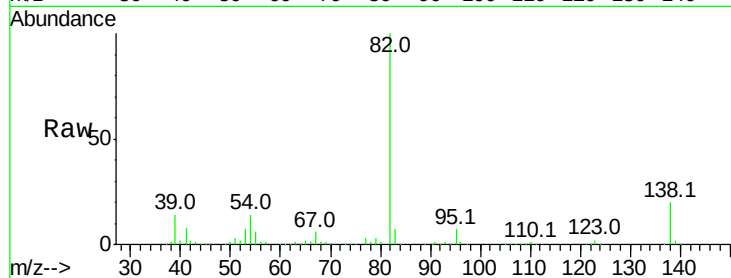




#25  
Isophorone  
Concen: 45.459 ng  
RT: 9.87 min Scan# 1120  
Delta R.T. -0.01 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

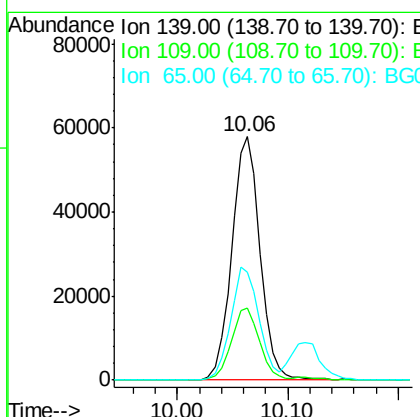
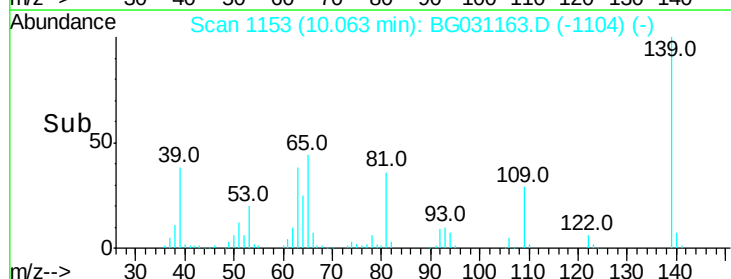
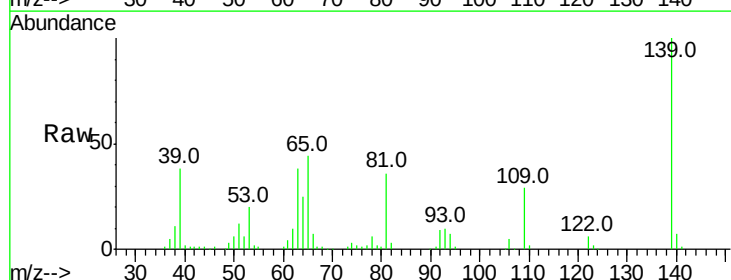
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion: 82 Resp: 385661  
Ion Ratio Lower Upper  
82 100  
95 7.4 6.2 9.2  
138 20.3 12.1 18.1#

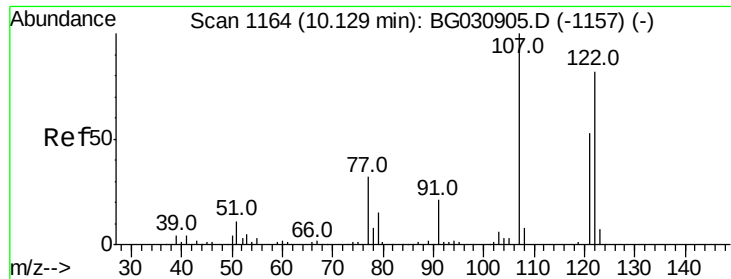


#26  
2-Nitrophenol  
Concen: 44.831 ng  
RT: 10.06 min Scan# 1153  
Delta R.T. -0.01 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

Tgt Ion:139 Resp: 103837  
Ion Ratio Lower Upper  
139 100  
109 29.4 24.2 36.2  
65 44.3 47.4 71.0#



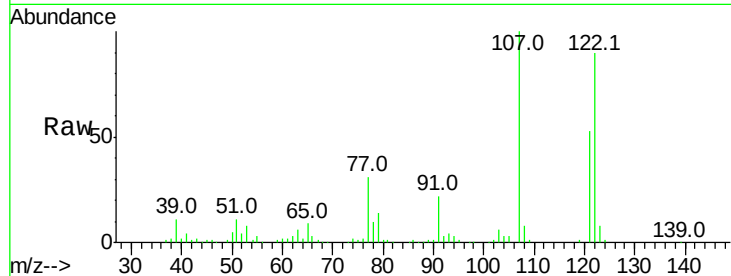




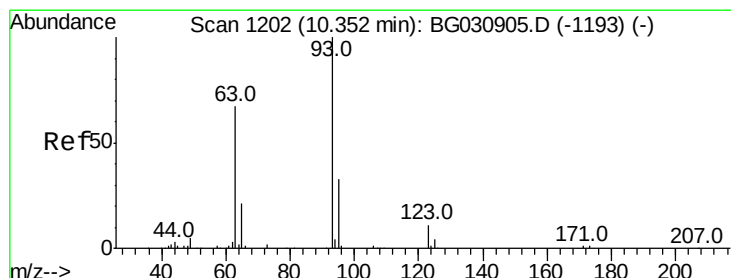
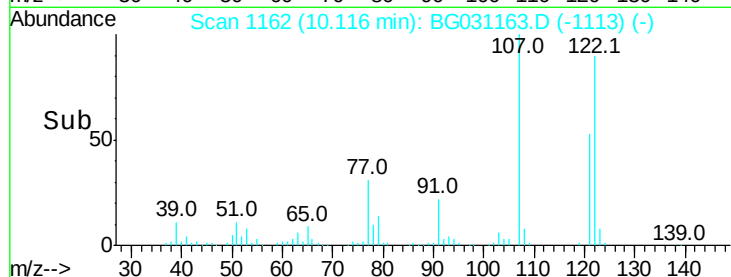
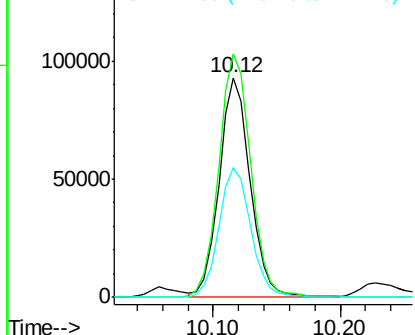
#27  
 2,4-Dimethylphenol  
 Concen: 45.445 ng  
 RT: 10.12 min Scan# 1162  
 Delta R.T. -0.01 min  
 Lab File: BG031163.D  
 Acq: 21 Nov 2017 21:43

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:122 Resp: 156265  
 Ion Ratio Lower Upper  
 122 100  
 107 110.8 100.2 150.2  
 121 59.0 44.4 66.6

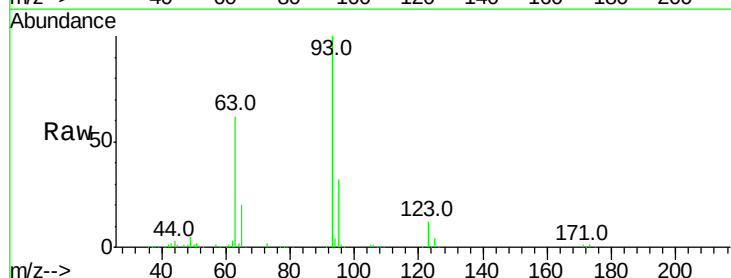


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

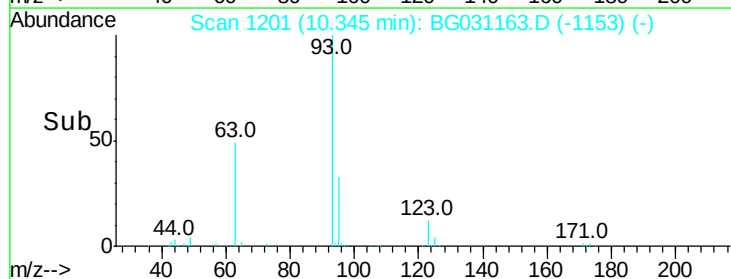
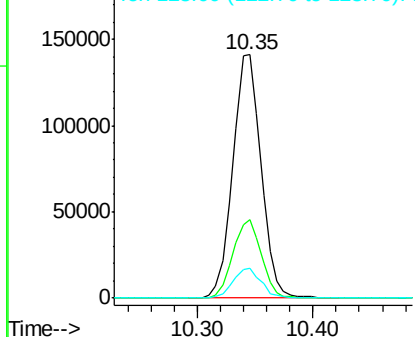


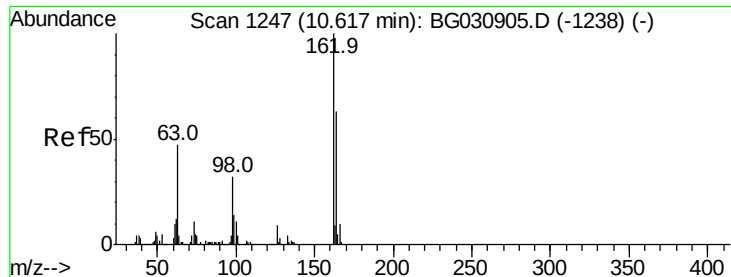
#28  
 bis(2-Chloroethoxy)methane  
 Concen: 44.787 ng  
 RT: 10.35 min Scan# 1201  
 Delta R.T. -0.02 min  
 Lab File: BG031163.D  
 Acq: 21 Nov 2017 21:43

Tgt Ion: 93 Resp: 239303  
 Ion Ratio Lower Upper  
 93 100  
 95 32.2 24.3 36.5  
 123 12.2 8.4 12.6



Abundance Ion 93.00 (92.70 to 93.70): BGC  
 Ion 95.00 (94.70 to 95.70): BGC  
 Ion 123.00 (122.70 to 123.70): E

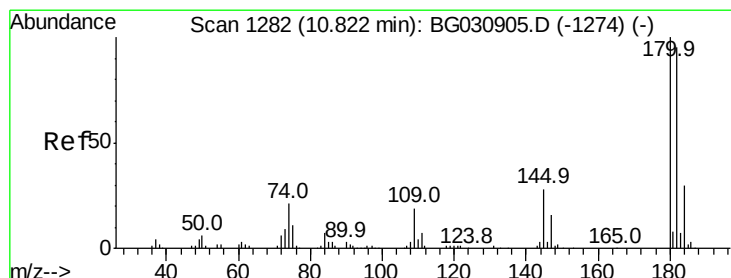
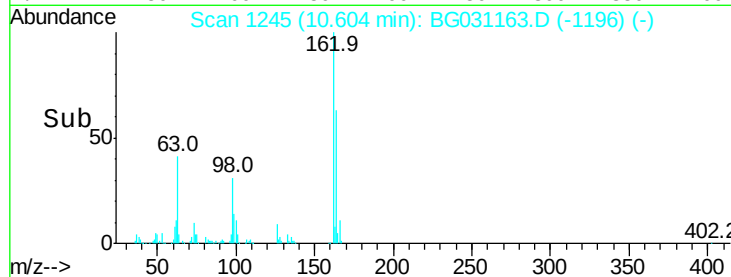
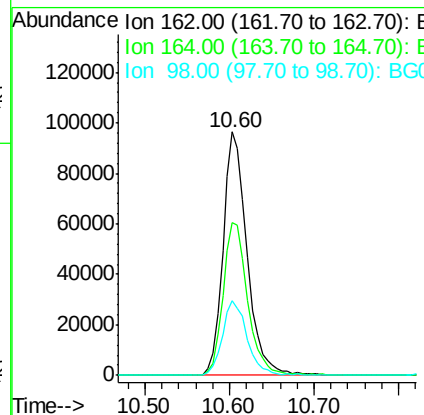
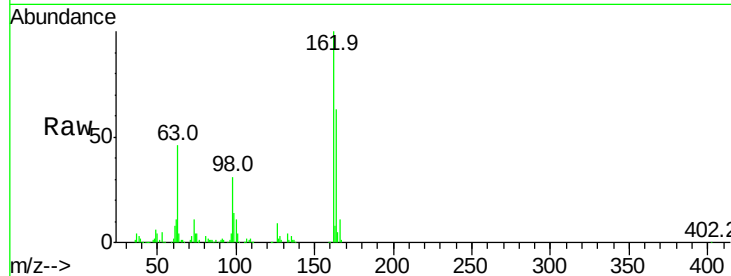




#29  
 2,4-Dichlorophenol  
 Concen: 46.028 ng  
 RT: 10.60 min Scan# 1245  
 Delta R.T. -0.01 min  
 Lab File: BG031163.D  
 Acq: 21 Nov 2017 21:43

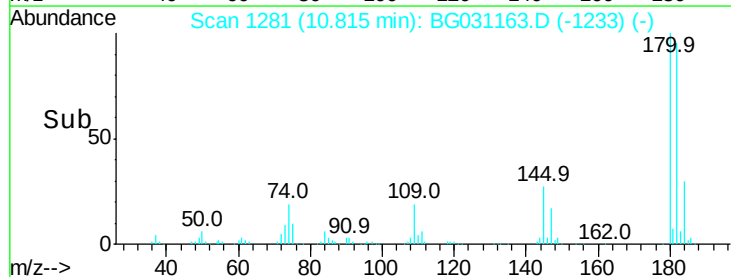
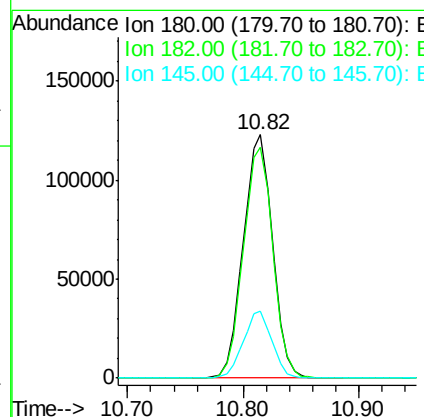
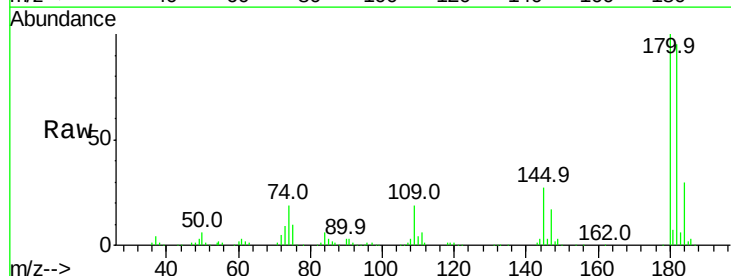
Instrument :  
 BNA\_G  
 ClientSampleId :

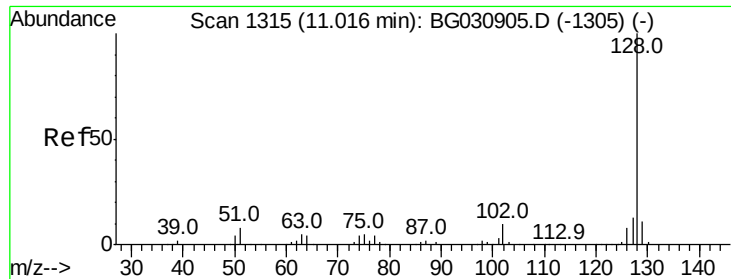
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 62.9  | 48.0  | 88.0  |
| 98      | 30.9  | 21.1  | 61.1  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 43.901 ng  
 RT: 10.82 min Scan# 1281  
 Delta R.T. -0.02 min  
 Lab File: BG031163.D  
 Acq: 21 Nov 2017 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.8  | 77.5  | 116.3 |
| 145     | 27.4  | 23.4  | 35.2  |

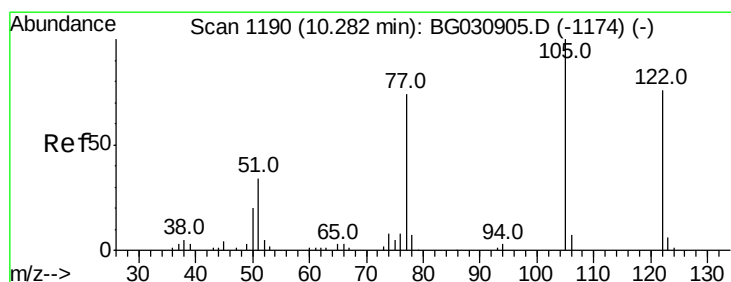
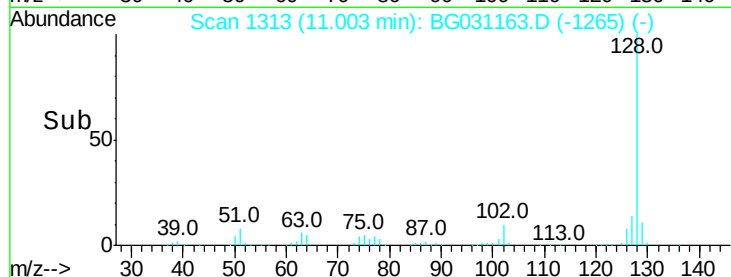
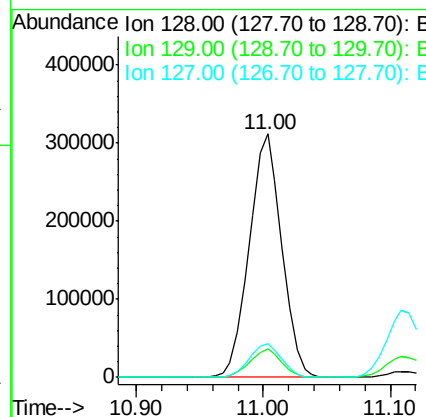
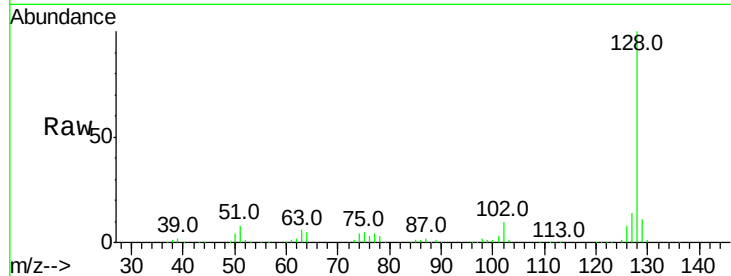




#31  
Naphthalene  
Concen: 43.743 ng  
RT: 11.00 min Scan# 1313  
Delta R.T. -0.02 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

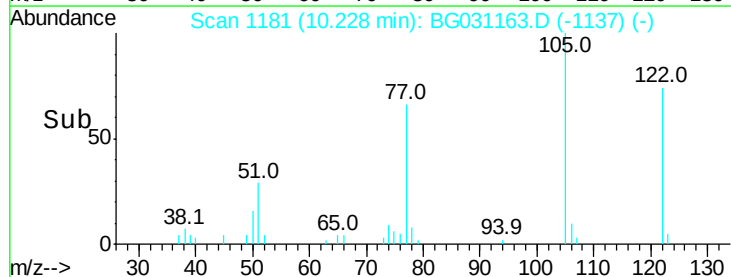
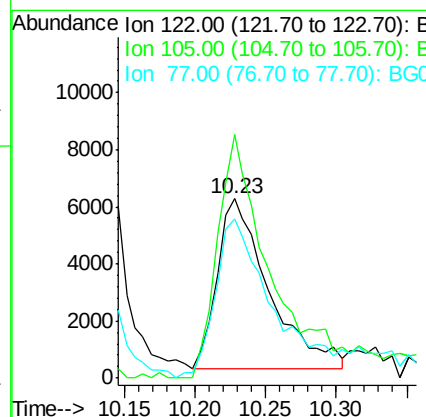
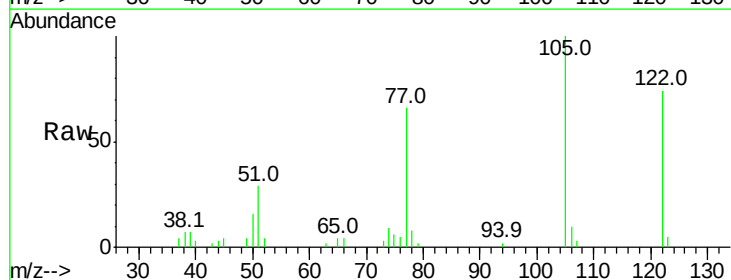
Instrument :  
BNA\_G  
ClientSampleId :

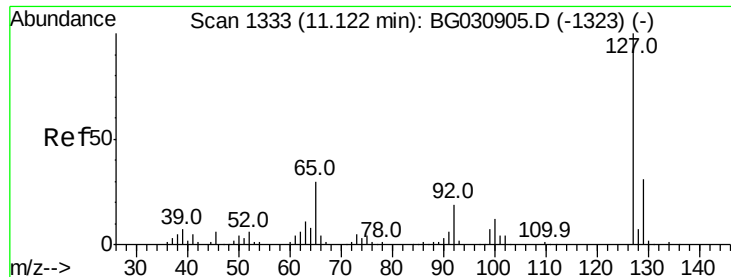
Tot Ion:128 Resp: 554296  
Ion Ratio Lower Upper  
128 100  
129 11.5 8.6 12.8  
127 13.8 11.6 17.4



#32  
Benzoic acid  
Concen: 10.300 ng  
RT: 10.23 min Scan# 1181  
Delta R.T. -0.04 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

Tgt Ion:122 Resp: 15061  
Ion Ratio Lower Upper  
122 100  
105 135.9 123.5 163.5  
77 89.0 85.7 125.7

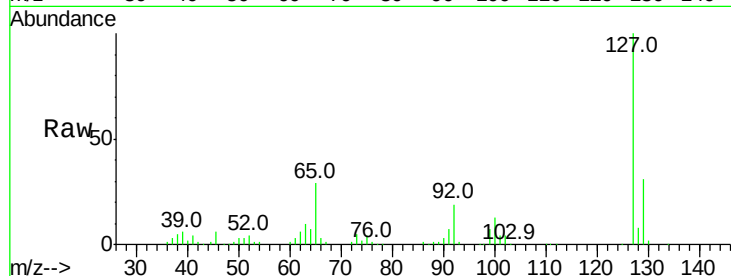




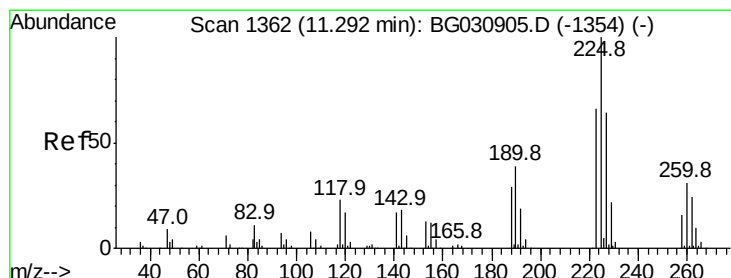
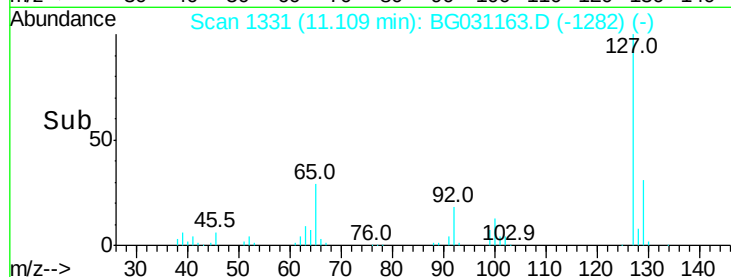
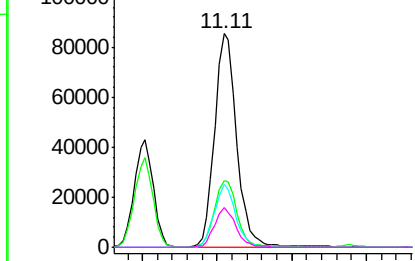
#33  
4-Chloroaniline  
Concen: 31.694 ng  
RT: 11.11 min Scan# 1331  
Delta R.T. -0.01 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 175809 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 30.9  | 24.0  | 36.0   |
| 65       | 29.2  | 27.0  | 40.4   |
| 92       | 18.5  | 16.6  | 25.0   |

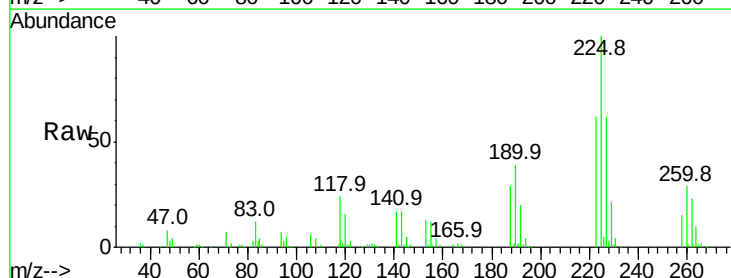


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC

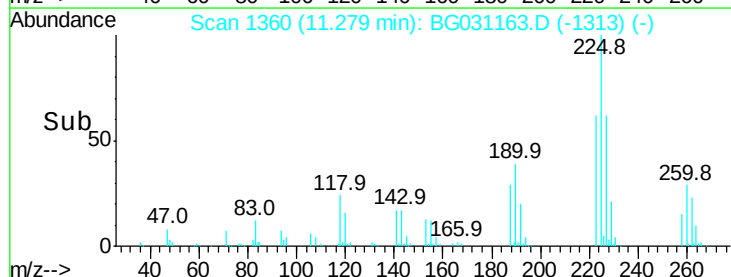
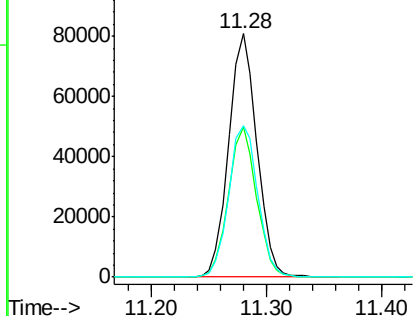


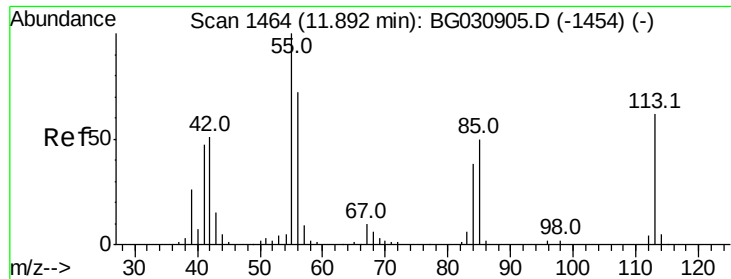
#34  
Hexachlorobutadiene  
Concen: 40.049 ng  
RT: 11.28 min Scan# 1360  
Delta R.T. -0.02 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 136923 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 61.7  | 49.7  | 74.5   |
| 227      | 62.2  | 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: 2.348 ng

RT: 11.88 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

Instrument :

BNA\_G

ClientSampled :

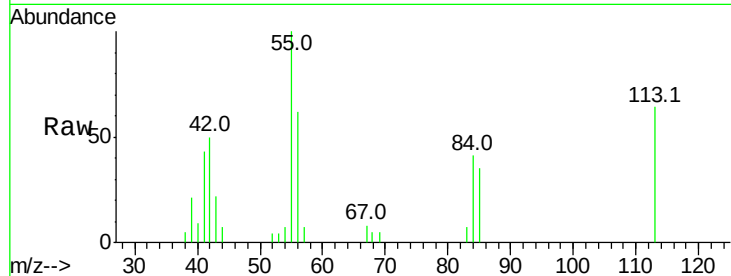
Tot Ion:113 Resp: 3960

Ion Ratio Lower Upper

113 100

55 155.6 186.9 226.9#

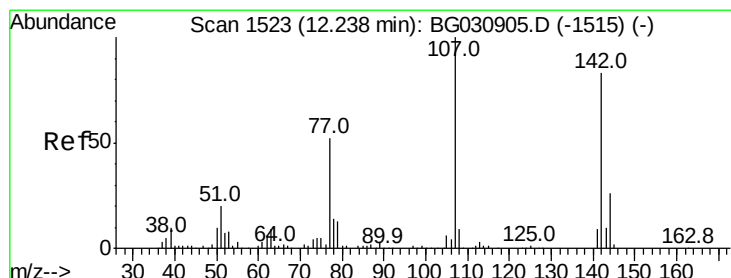
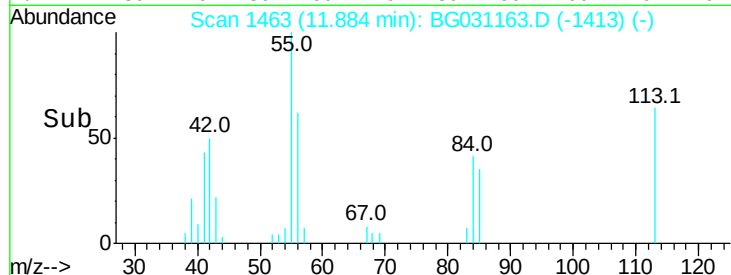
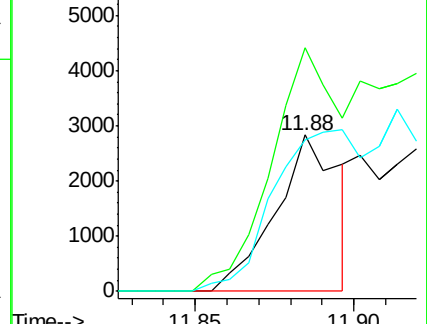
56 97.0 130.9 170.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 40.262 ng

RT: 12.23 min Scan# 1521

Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

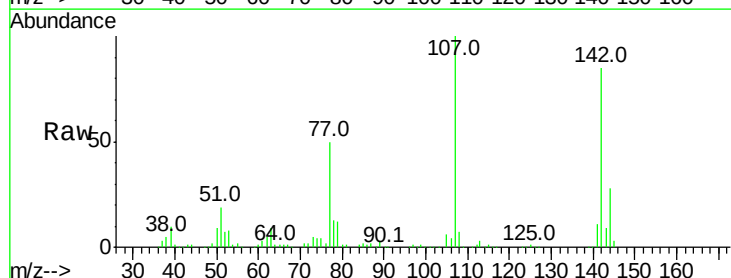
Tgt Ion:107 Resp: 180936

Ion Ratio Lower Upper

107 100

144 28.0 18.2 27.4#

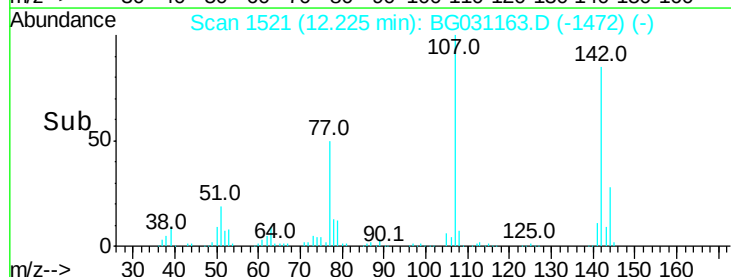
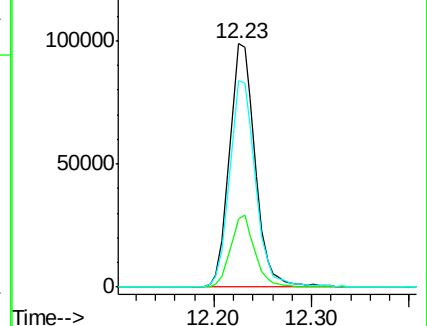
142 84.6 59.0 88.4

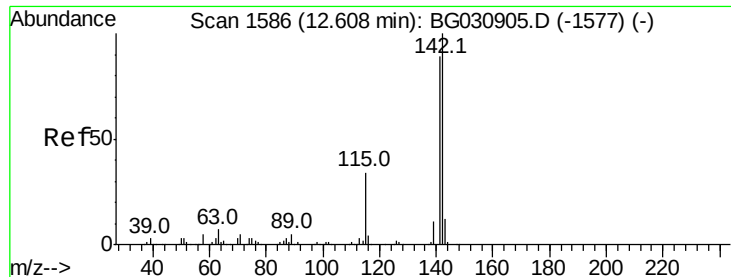


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

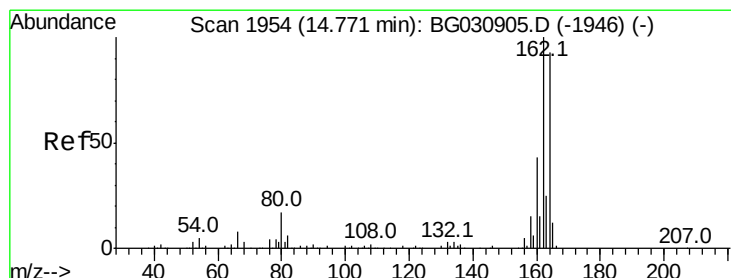
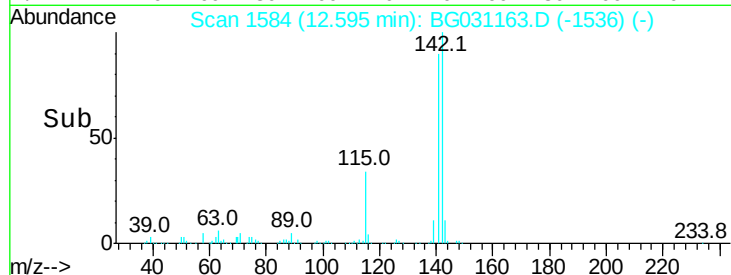
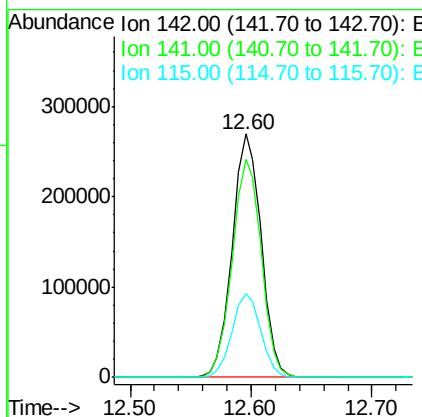
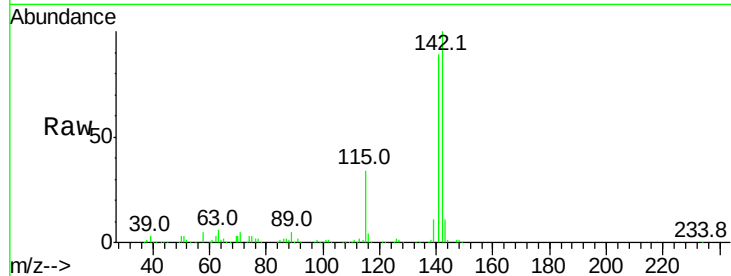




#37  
2-Methylnaphthalene  
Concen: 46.044 ng  
RT: 12.60 min Scan# 1584  
Delta R.T. -0.02 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

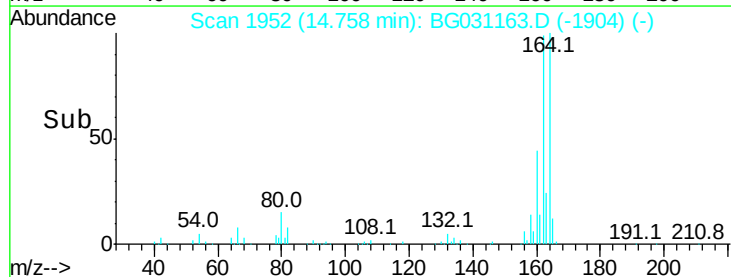
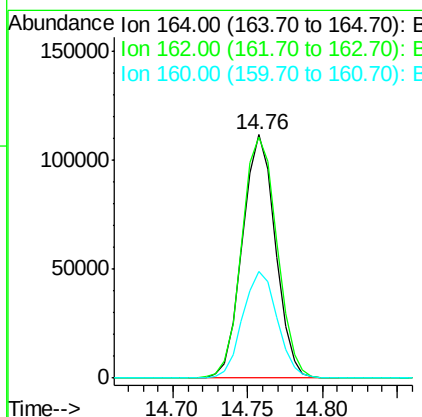
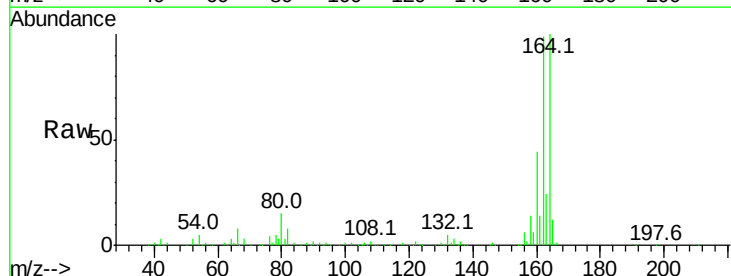
Instrument :  
BNA\_G  
ClientSampleId :

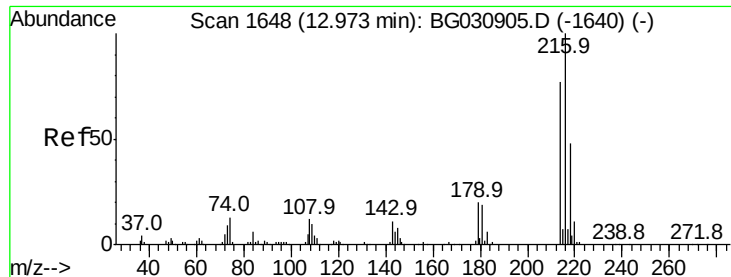
Tot Ion:142 Resp: 450400  
Ion Ratio Lower Upper  
142 100  
141 89.4 67.1 100.7  
115 34.1 30.7 46.1



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.76 min Scan# 1952  
Delta R.T. -0.02 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

Tgt Ion:164 Resp: 170344  
Ion Ratio Lower Upper  
164 100  
162 98.9 78.8 118.2  
160 44.1 35.4 53.0





#39

1,2,4,5-Tetrachlorobenzene

Concen: 41.389 ng

RT: 12.97 min Scan# 1647

Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:216 Resp: 279823

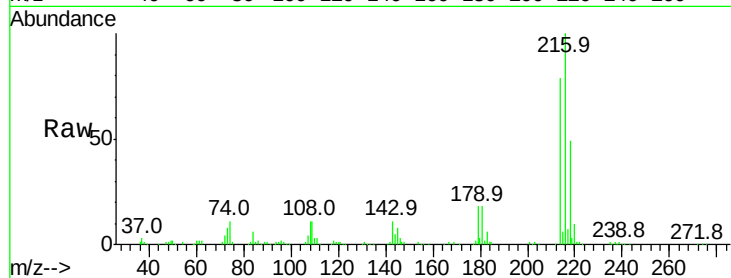
Ion Ratio Lower Upper

216 100

214 77.3 63.0 94.4

179 18.2 17.0 25.6

108 13.2 12.8 19.2

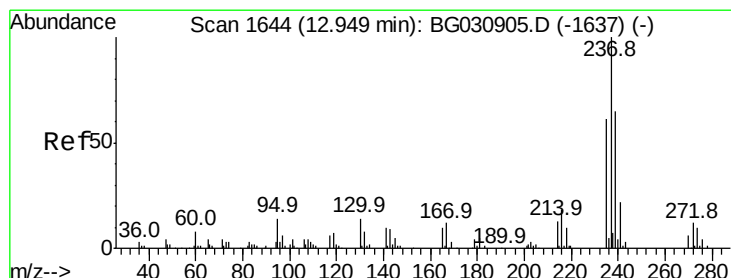
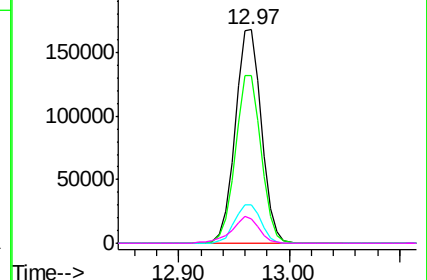
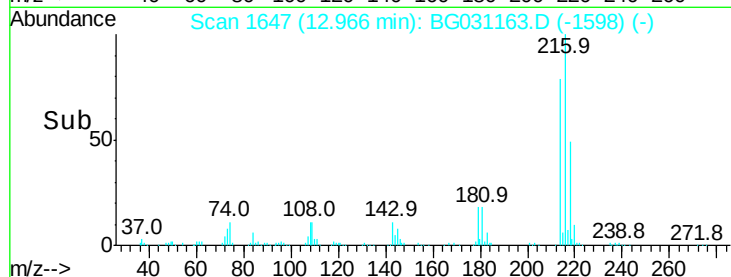


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 75.409 ng

RT: 12.94 min Scan# 1642

Delta R.T. -0.02 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

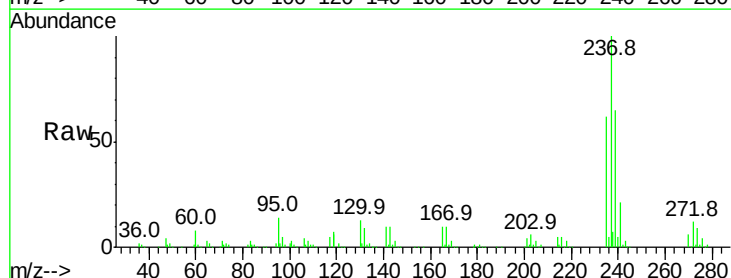
Tgt Ion:237 Resp: 186795

Ion Ratio Lower Upper

237 100

235 61.8 50.4 90.4

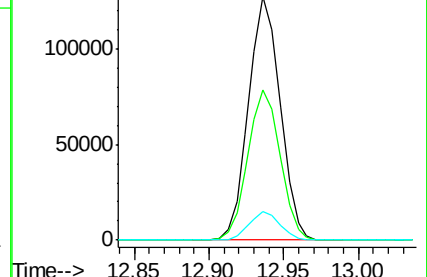
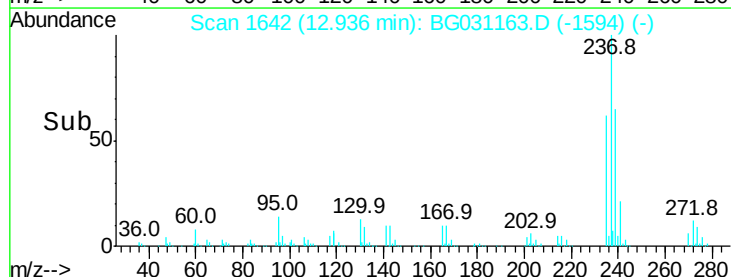
272 11.6 0.0 31.8

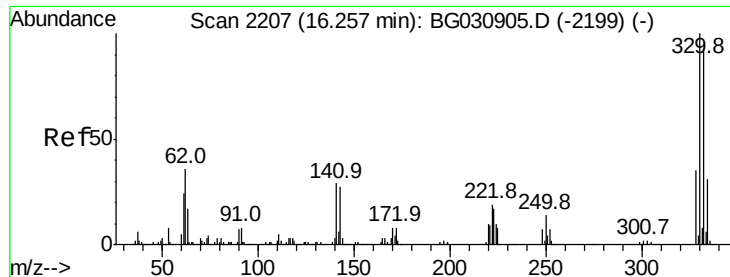


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 113.638 ng

RT: 16.24 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

Instrument :

BNA\_G

ClientSampled :

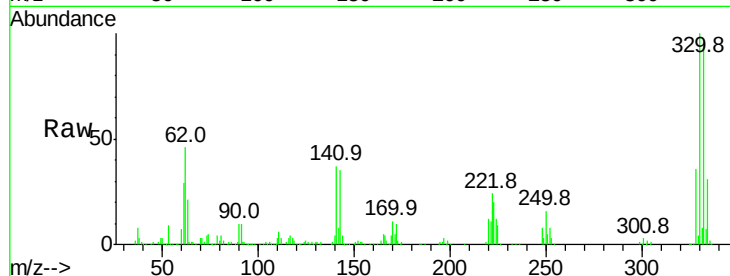
Tot Ion:330 Resp: 313143

Ion Ratio Lower Upper

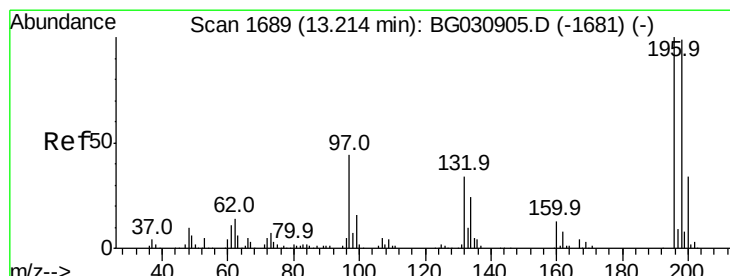
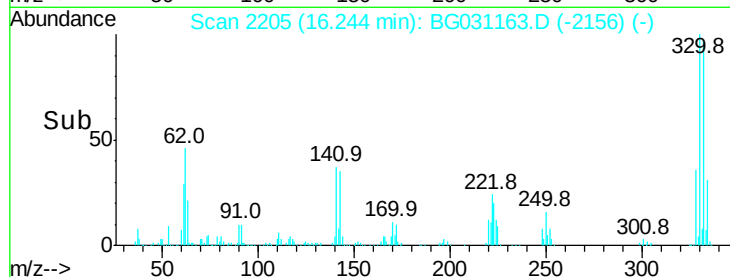
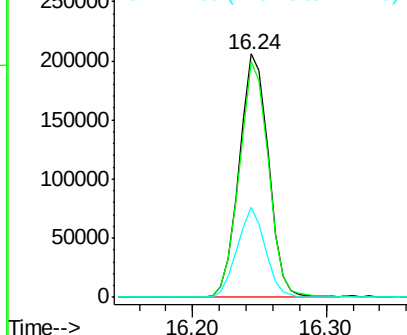
330 100

332 96.9 77.0 115.6

141 35.5 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: 45.638 ng

RT: 13.20 min Scan# 1687

Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

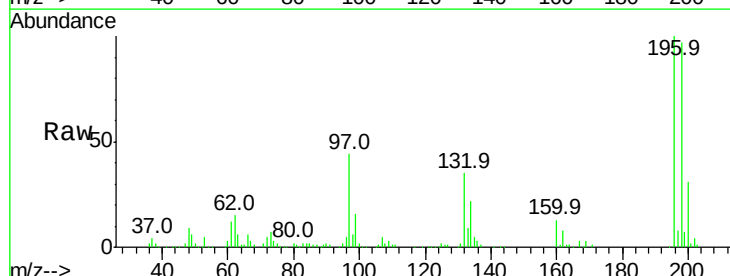
Tgt Ion:196 Resp: 176391

Ion Ratio Lower Upper

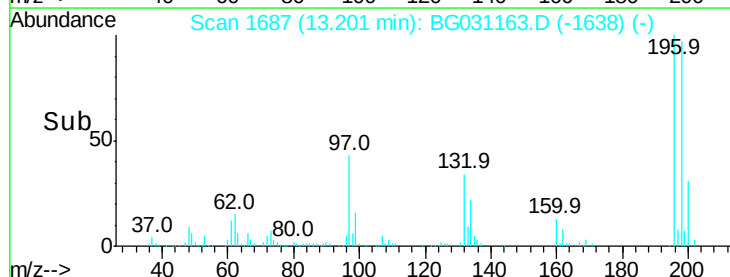
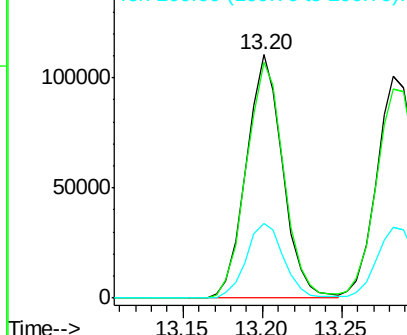
196 100

198 96.7 78.2 117.2

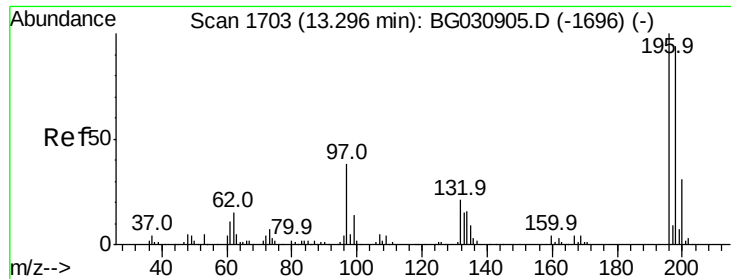
200 30.7 24.6 36.8



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



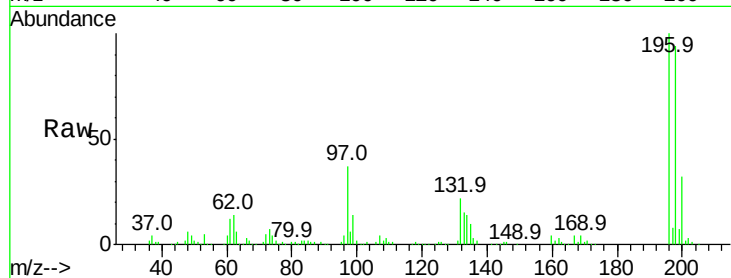




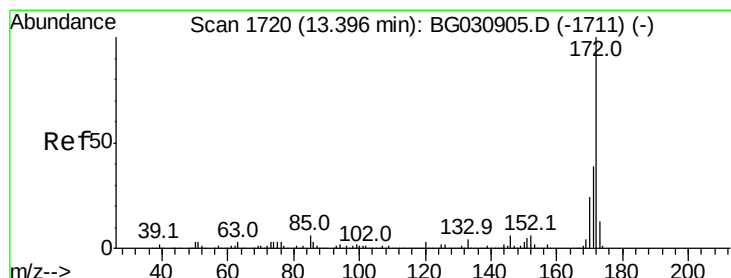
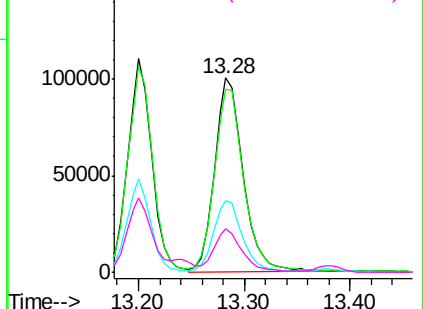
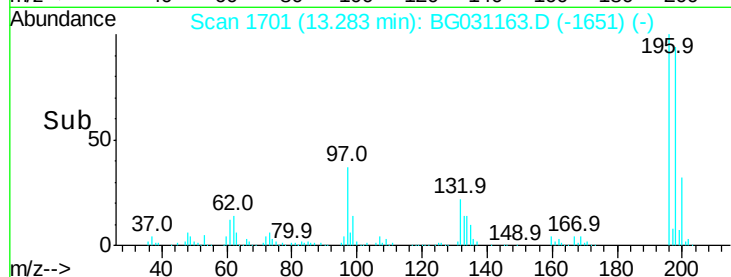
#43  
2,4,5-Trichlorophenol  
Concen: 44.268 ng  
RT: 13.28 min Scan# 1701  
Delta R.T. -0.01 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 94.2  | 76.2  | 114.4 |
| 97      | 37.1  | 38.7  | 58.1# |
| 132     | 22.4  | 20.2  | 30.2  |

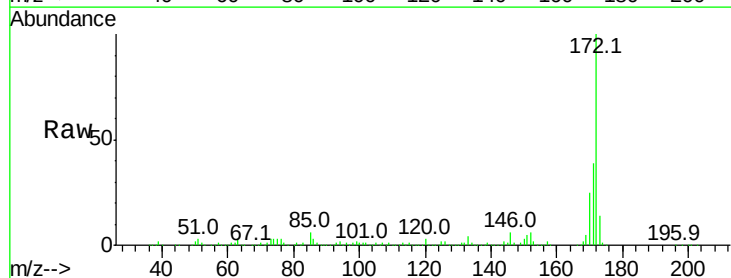


Abundance Ion 196.00 (195.70 to 196.70): E  
Ion 198.00 (197.70 to 198.70): E  
Ion 97.00 (96.70 to 97.70): BGC  
Ion 132.00 (131.70 to 132.70): E

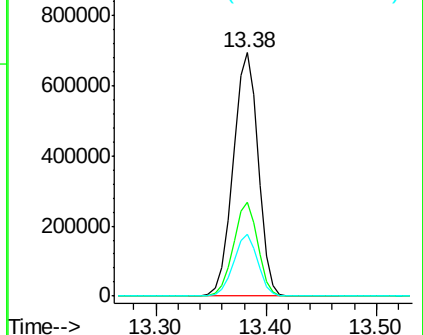
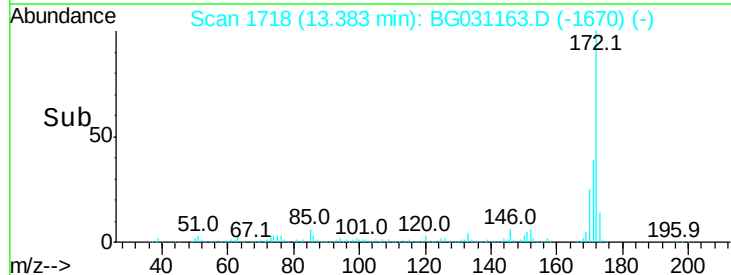


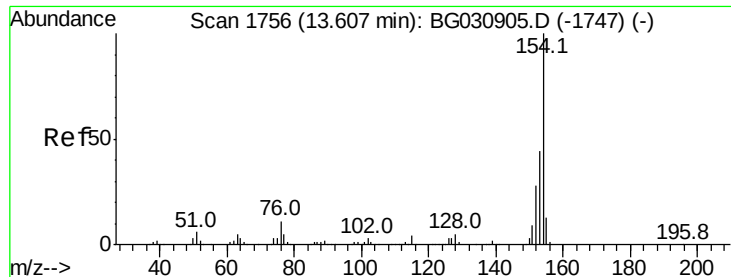
#44  
2-Fluorobiphenyl  
Concen: 92.870 ng  
RT: 13.38 min Scan# 1718  
Delta R.T. -0.02 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.6  | 30.0  | 45.0  |
| 170     | 25.2  | 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

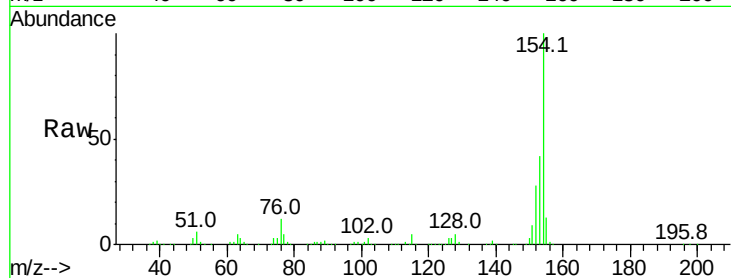




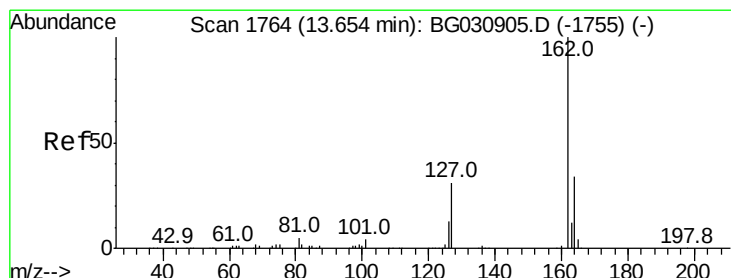
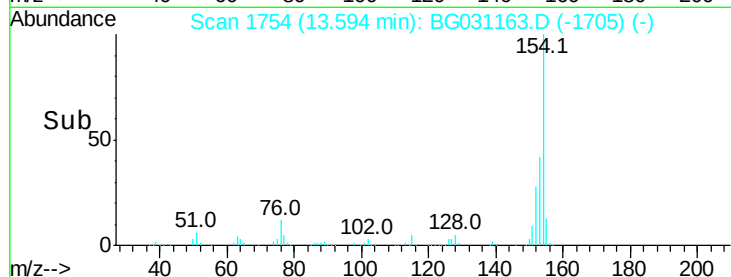
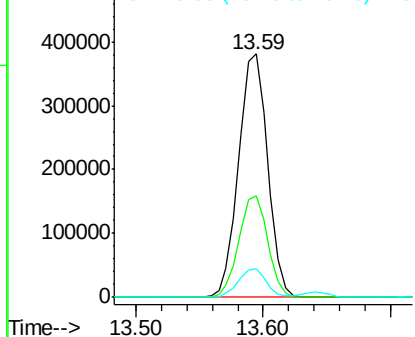
#45  
 1,1'-Biphenyl  
 Concen: 42.707 ng  
 RT: 13.59 min Scan# 1754  
 Delta R.T. -0.01 min  
 Lab File: BG031163.D  
 Acq: 21 Nov 2017 21:43

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.8  | 19.8  | 59.8  |
| 76      | 11.8  | 0.0   | 31.9  |

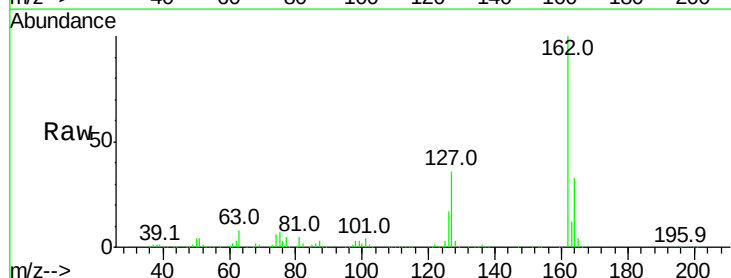


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): B

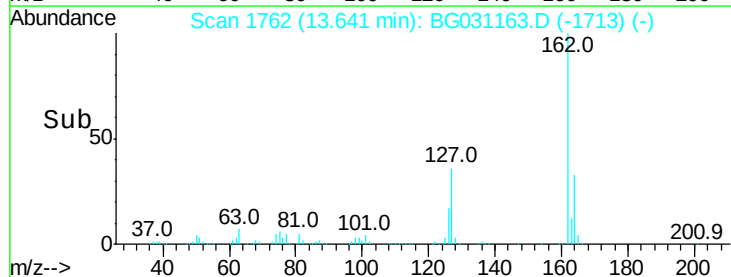
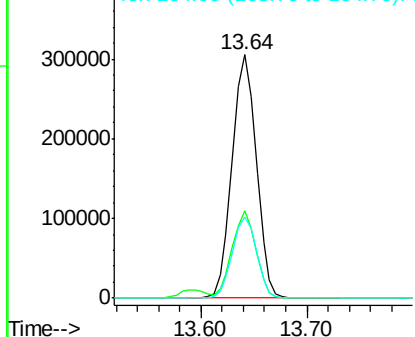


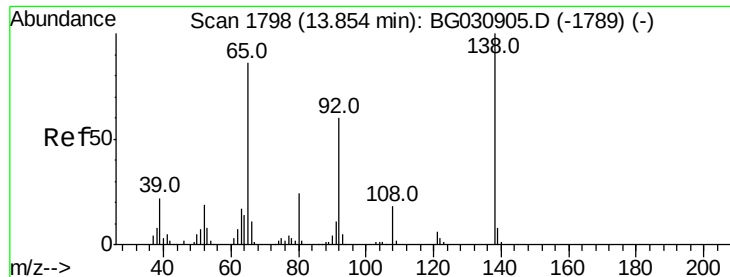
#46  
 2-Chloronaphthalene  
 Concen: 47.409 ng  
 RT: 13.64 min Scan# 1762  
 Delta R.T. -0.01 min  
 Lab File: BG031163.D  
 Acq: 21 Nov 2017 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 35.8  | 30.7  | 46.1  |
| 164     | 33.3  | 26.0  | 39.0  |



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





#47

2-Nitroaniline

Concen: 44.510 ng

RT: 13.84 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

Instrument :

BNA\_G

ClientSampleId :

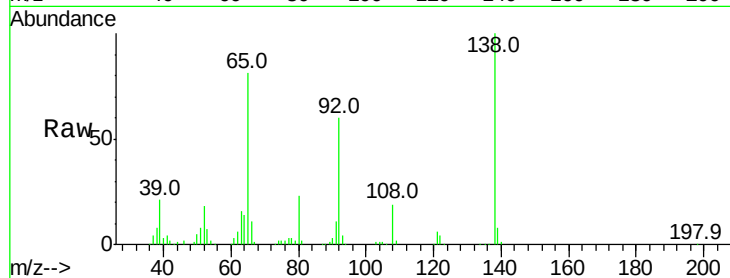
Tot Ion: 65 Resp: 134454

Ion Ratio Lower Upper

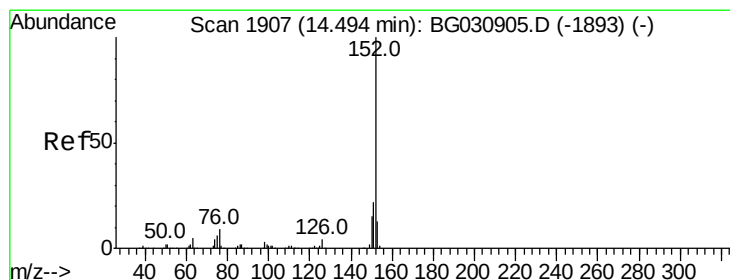
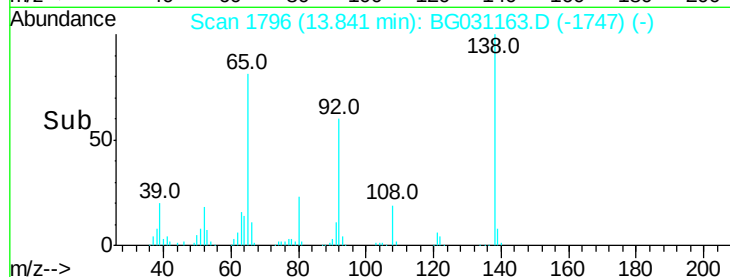
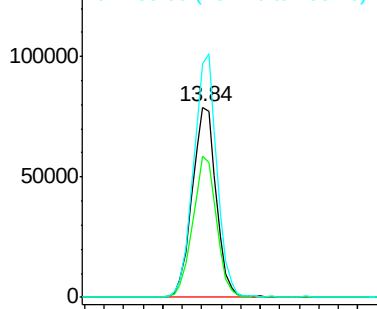
65 100

92 74.1 54.6 82.0

138 122.7 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



#48

Acenaphthylene

Concen: 44.475 ng

RT: 14.48 min Scan# 1905

Delta R.T. -0.02 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

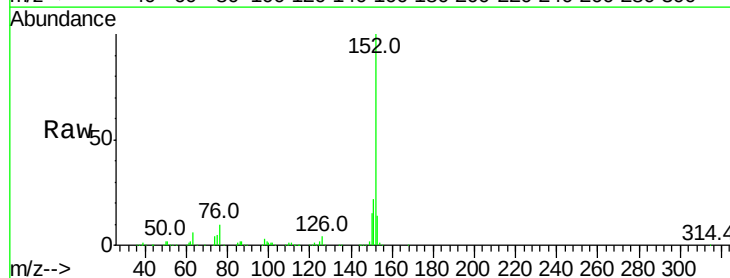
Tgt Ion:152 Resp: 741869

Ion Ratio Lower Upper

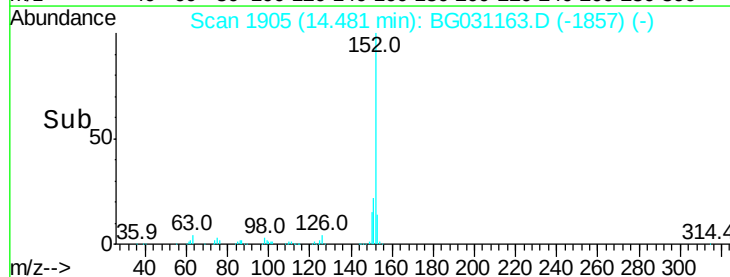
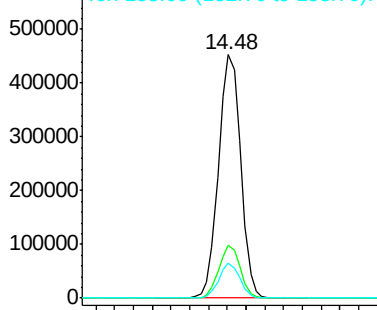
152 100

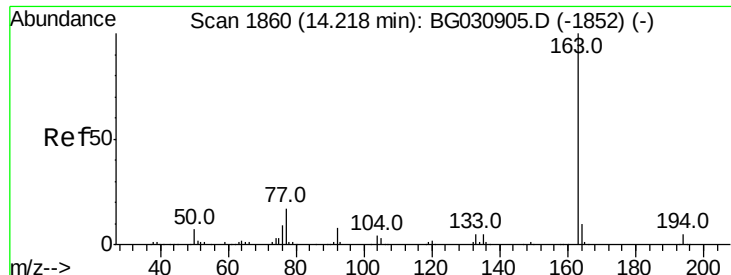
151 21.9 17.2 25.8

153 14.4 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





#49

Dimethylphthalate

Concen: 44.593 ng

RT: 14.21 min Scan# 1858

Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

Instrument :

BNA\_G

ClientSampleId :

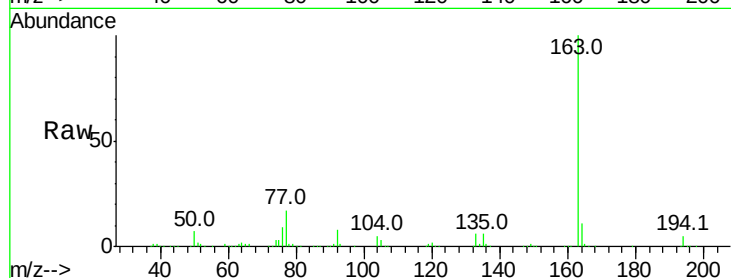
Tot Ion:163 Resp: 656798

Ion Ratio Lower Upper

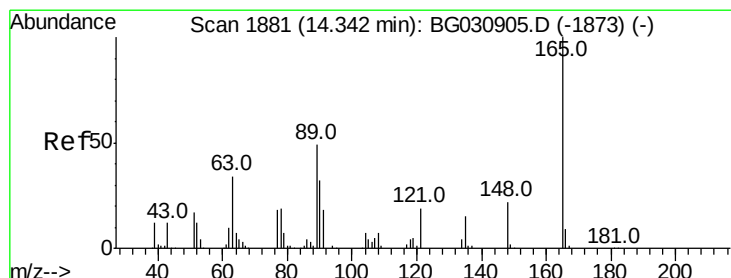
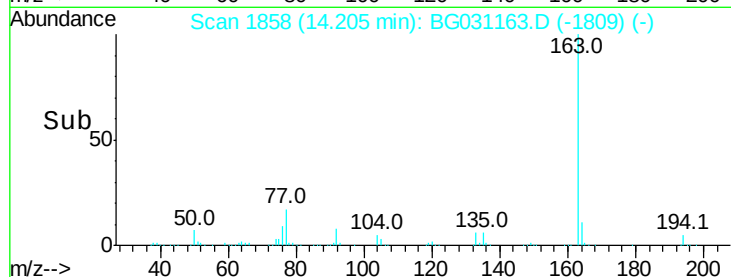
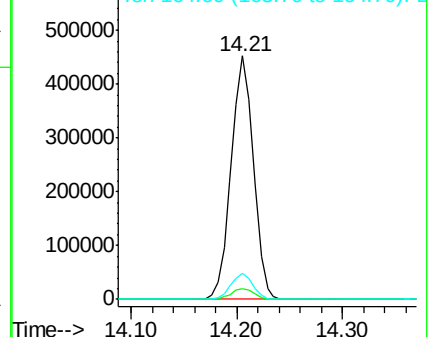
163 100

194 4.6 3.4 5.2

164 10.6 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: 49.162 ng

RT: 14.33 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

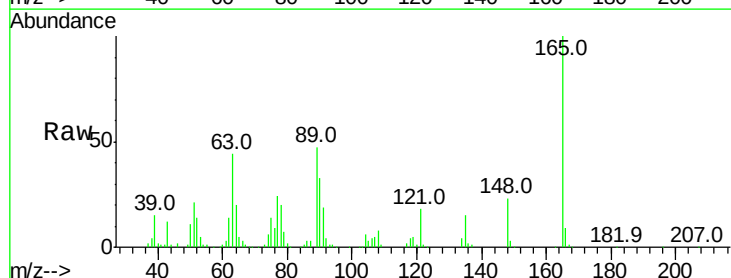
Tgt Ion:165 Resp: 149246

Ion Ratio Lower Upper

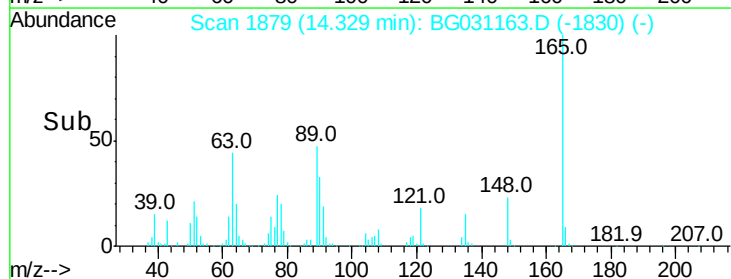
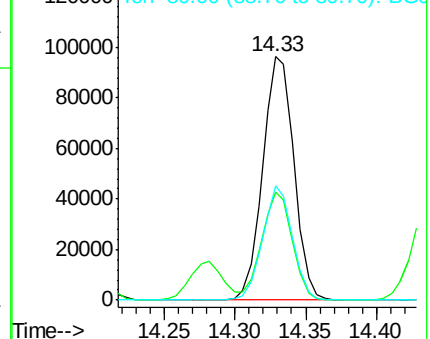
165 100

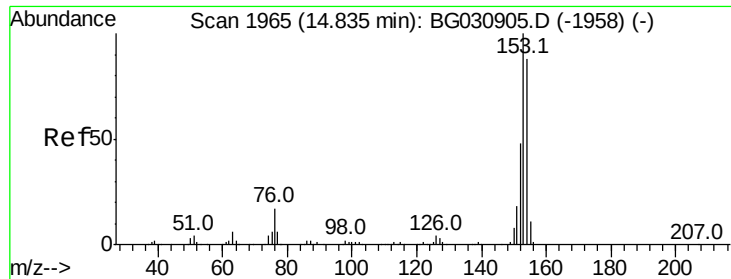
63 44.3 52.7 79.1#

89 47.1 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: 44.481 ng

RT: 14.82 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

Instrument :

BNA\_G

ClientSampleId :

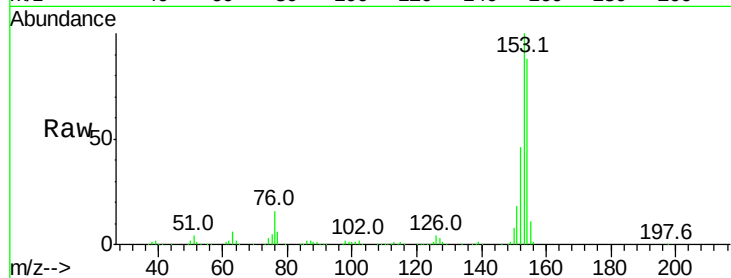
Tot Ion:154 Resp: 463396

Ion Ratio Lower Upper

154 100

153 113.1 90.4 135.6

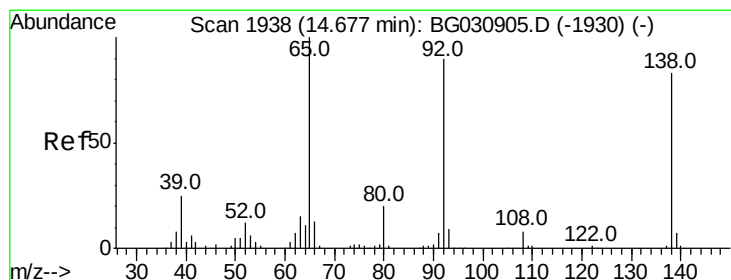
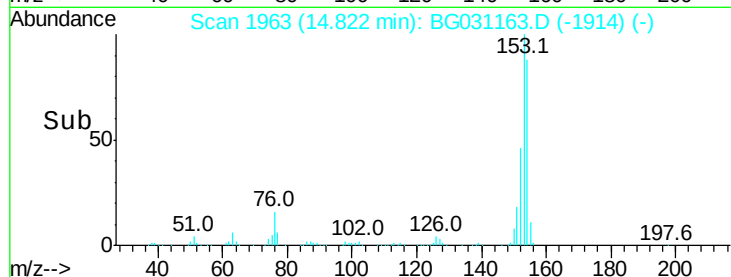
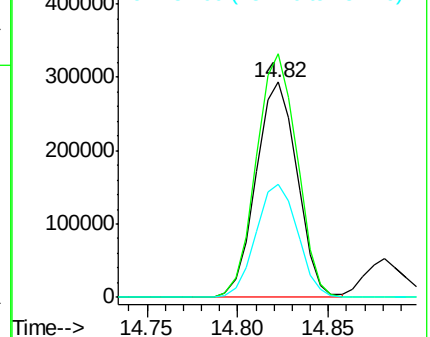
152 52.6 41.6 62.4



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: 35.548 ng

RT: 14.66 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

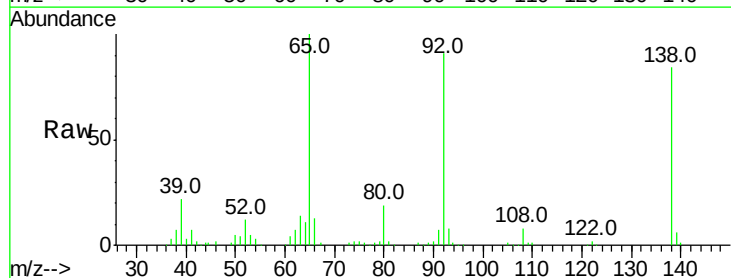
Tgt Ion:138 Resp: 114586

Ion Ratio Lower Upper

138 100

108 9.0 17.5 26.3#

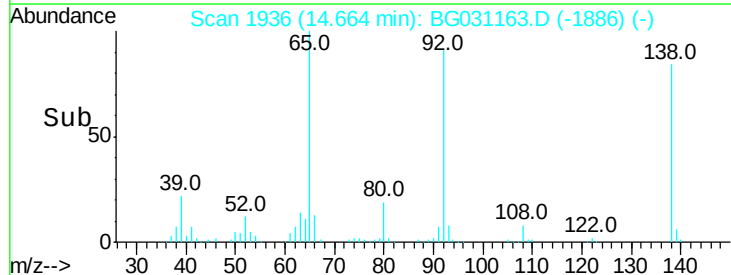
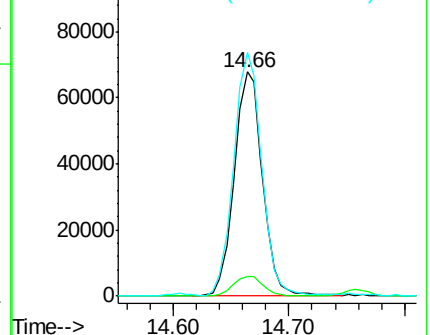
92 108.8 105.8 158.8

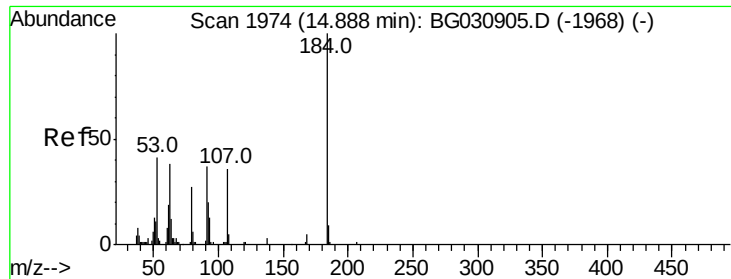


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

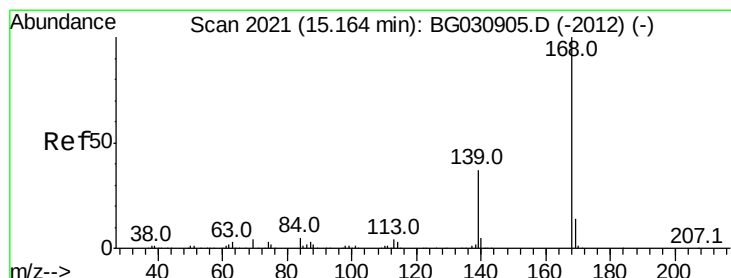
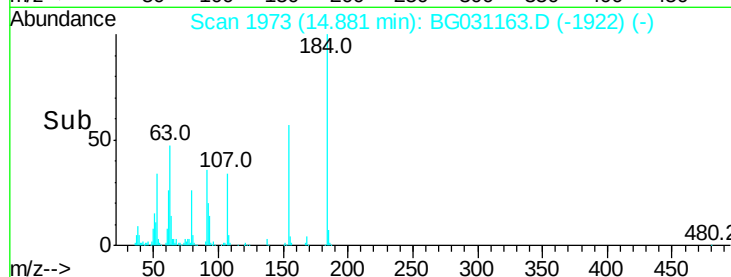
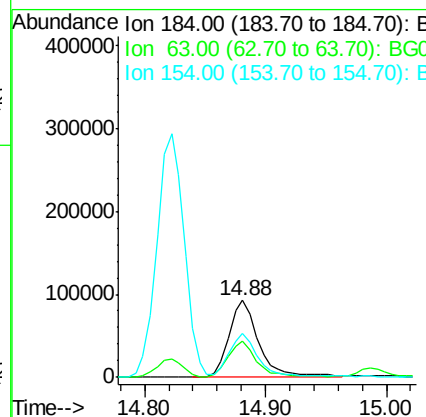
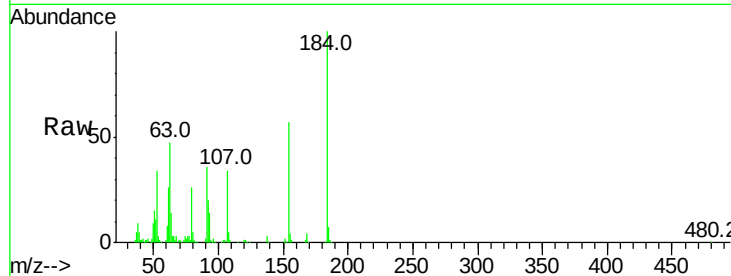




#53  
2,4-Dinitrophenol  
Concen: 94.726 ng  
RT: 14.88 min Scan# 1973  
Delta R.T. 0.00 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

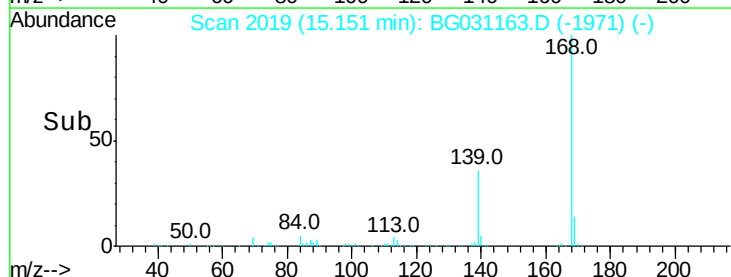
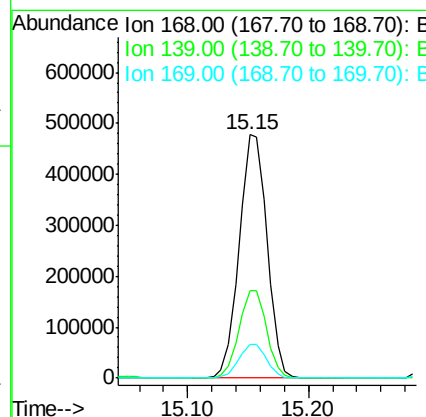
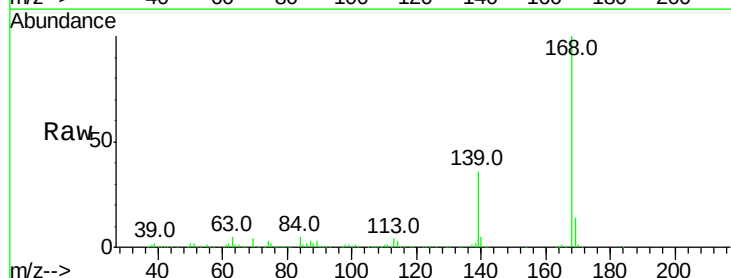
Instrument :  
BNA\_G  
ClientSampleId :

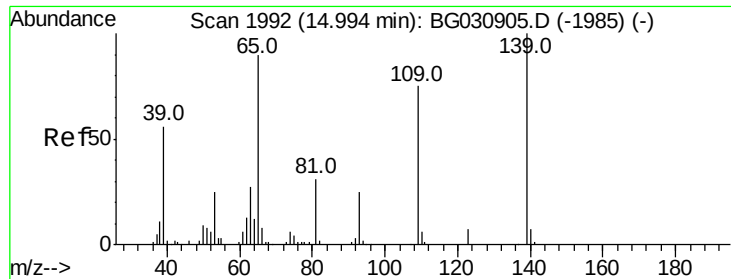
Tot Ion:184 Resp: 160151  
Ion Ratio Lower Upper  
184 100  
63 47.1 59.8 89.8#  
154 56.6 101.8 152.8#



#54  
Dibenzofuran  
Concen: 46.332 ng  
RT: 15.15 min Scan# 2019  
Delta R.T. -0.02 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

Tgt Ion:168 Resp: 768811  
Ion Ratio Lower Upper  
168 100  
139 36.0 28.6 43.0  
169 13.8 11.2 16.8

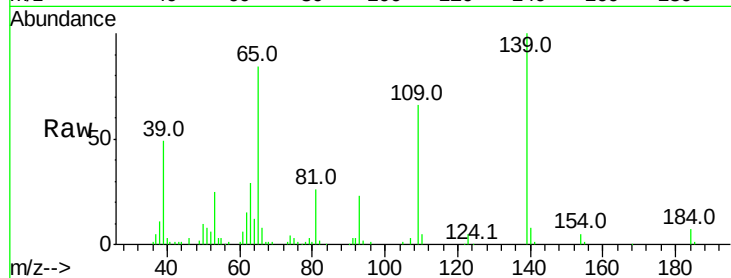




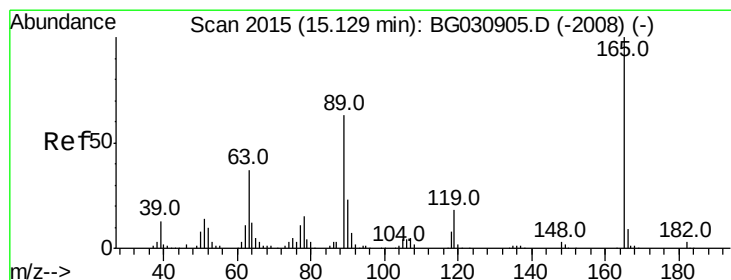
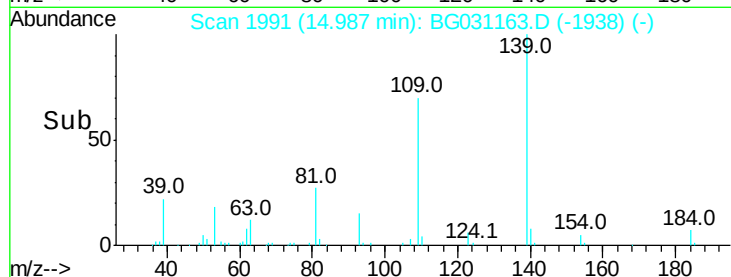
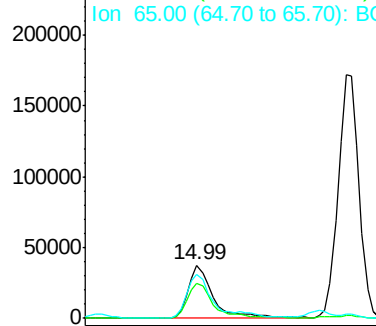
#55  
4-Nitrophenol  
Concen: 31.493 ng  
RT: 14.99 min Scan# 1991  
Delta R.T. 0.01 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:139 Resp: 72313  
Ion Ratio Lower Upper  
139 100  
109 65.7 62.2 102.2  
65 83.9 97.2 137.2#

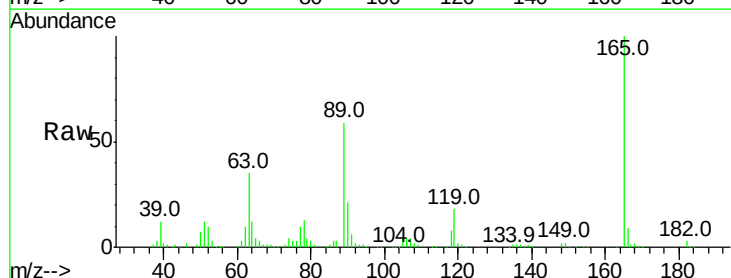


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BGC

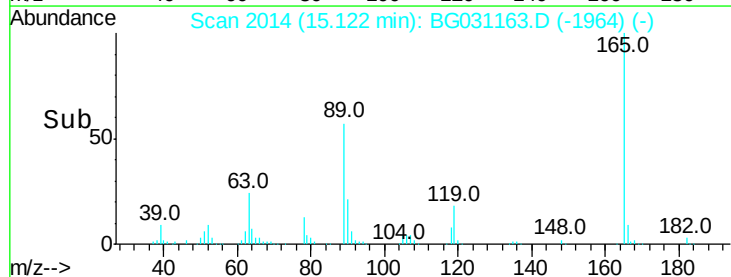
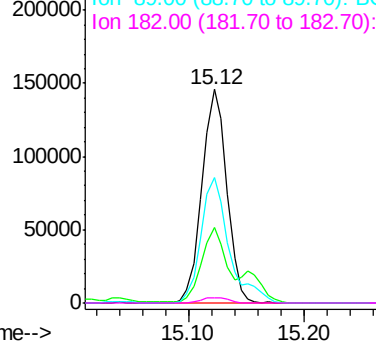


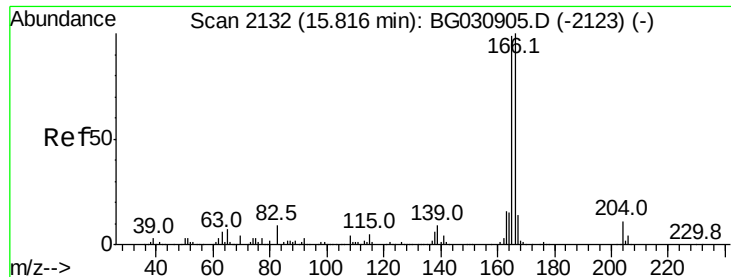
#56  
2,4-Dinitrotoluene  
Concen: 49.362 ng  
RT: 15.12 min Scan# 2014  
Delta R.T. -0.01 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

Tgt Ion:165 Resp: 216637  
Ion Ratio Lower Upper  
165 100  
63 35.2 42.0 63.0#  
89 58.7 66.9 100.3#  
182 2.7 2.6 3.8



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  
Ion 182.00 (181.70 to 182.70): E

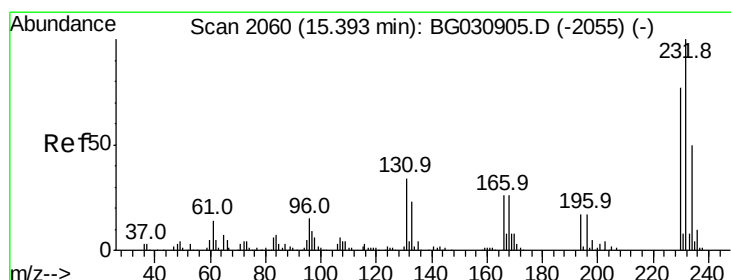
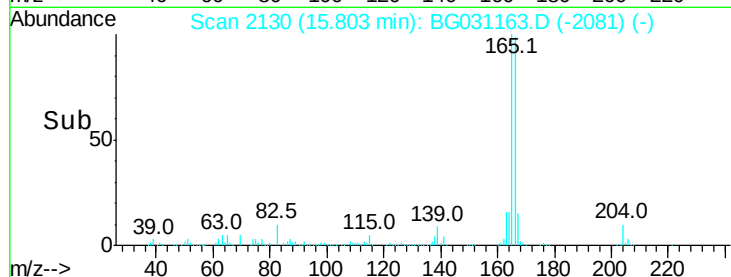
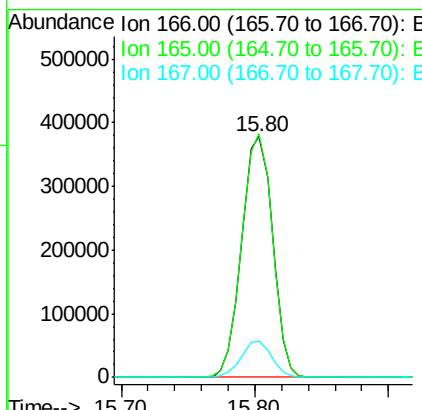
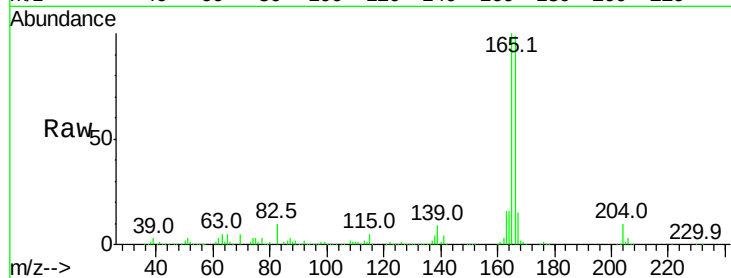




#57  
 Fluorene  
 Concen: 44.951 ng  
 RT: 15.80 min Scan# 2130  
 Delta R.T. -0.01 min  
 Lab File: BG031163.D  
 Acq: 21 Nov 2017 21:43

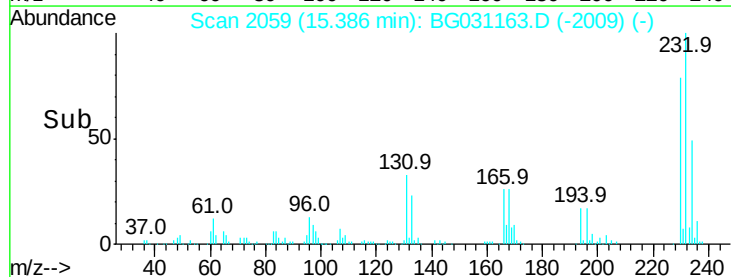
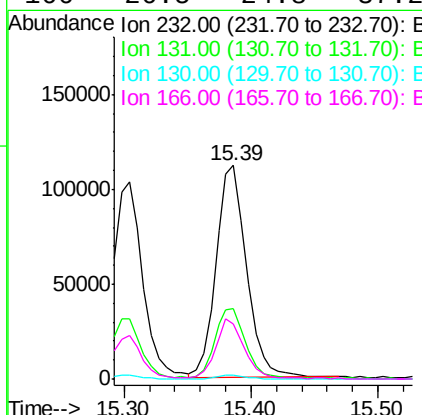
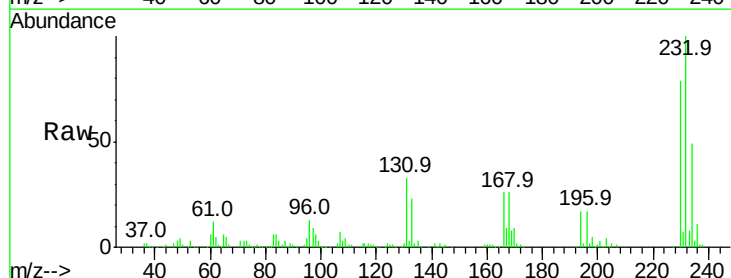
Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:166 Resp: 605567  
 Ion Ratio Lower Upper  
 166 100  
 165 101.1 80.6 121.0  
 167 15.0 10.4 15.6

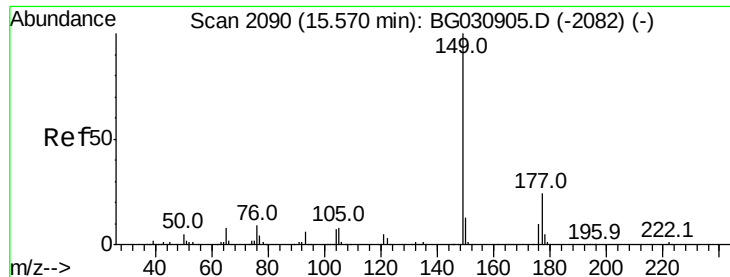


#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 46.405 ng  
 RT: 15.39 min Scan# 2059  
 Delta R.T. -0.01 min  
 Lab File: BG031163.D  
 Acq: 21 Nov 2017 21:43

Tgt Ion:232 Resp: 187027  
 Ion Ratio Lower Upper  
 232 100  
 131 32.8 33.5 50.3#  
 130 1.8 2.2 3.2#  
 166 26.5 24.8 37.2



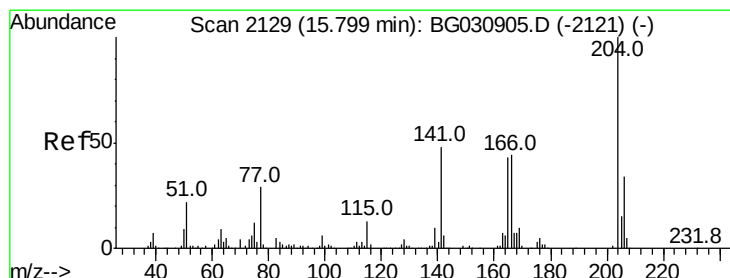
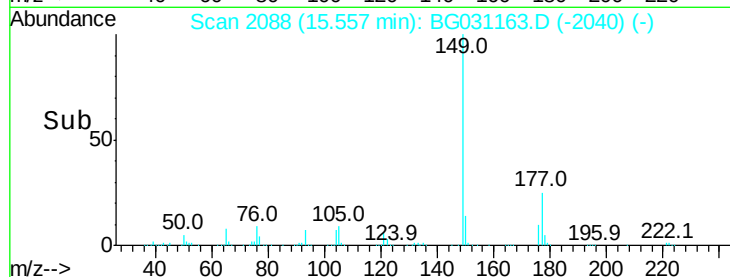
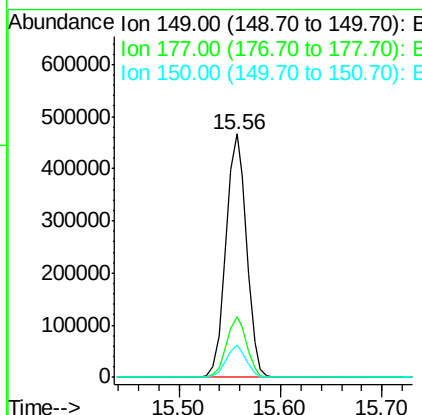
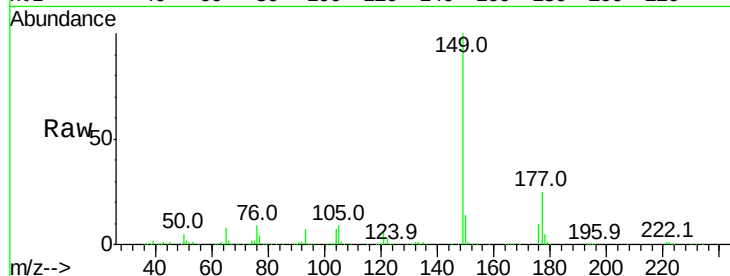




#59  
Diethylphthalate  
Concen: 43.778 ng  
RT: 15.56 min Scan# 2088  
Delta R.T. -0.02 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

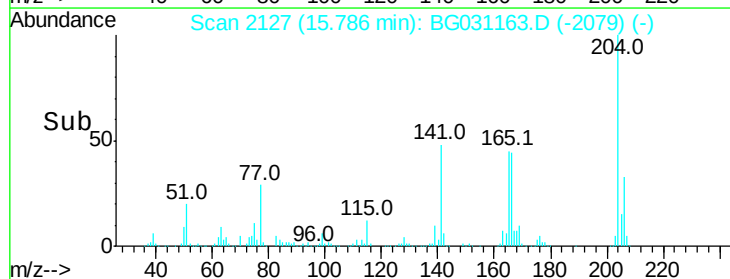
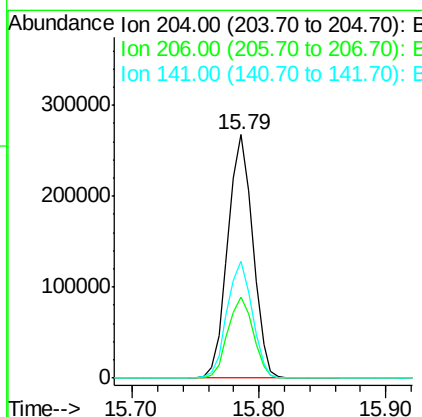
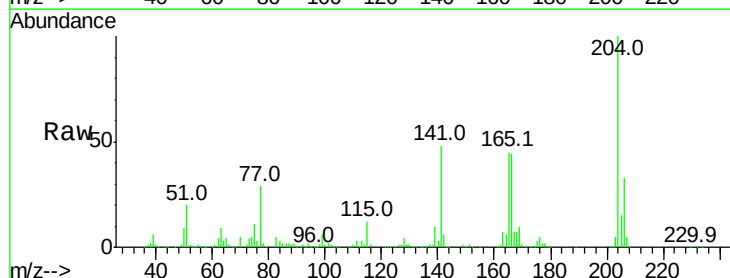
Instrument :  
BNA\_G  
ClientSampleId :

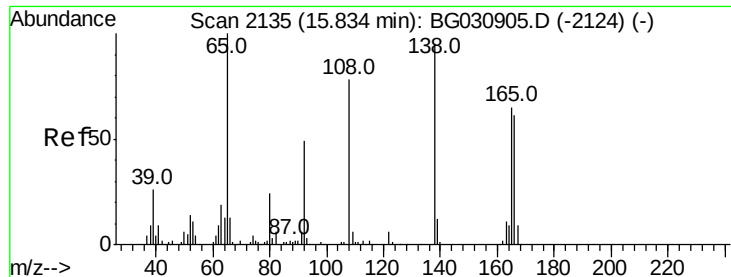
Tot Ion:149 Resp: 654960  
Ion Ratio Lower Upper  
149 100  
177 24.7 18.5 27.7  
150 13.5 10.2 15.2



#60  
4-Chlorophenyl-phenylether  
Concen: 44.794 ng  
RT: 15.79 min Scan# 2127  
Delta R.T. -0.02 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

Tgt Ion:204 Resp: 364452  
Ion Ratio Lower Upper  
204 100  
206 33.2 26.2 39.2  
141 48.3 45.8 68.6

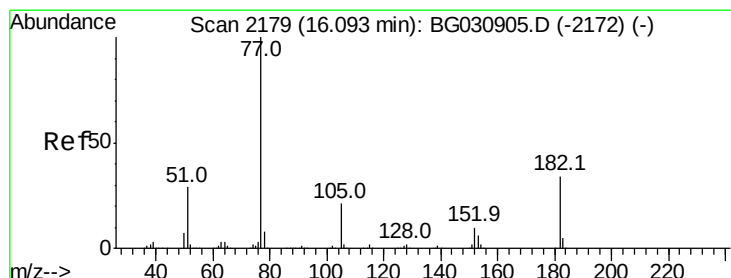
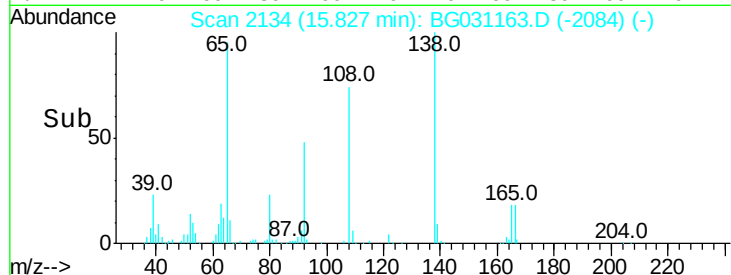
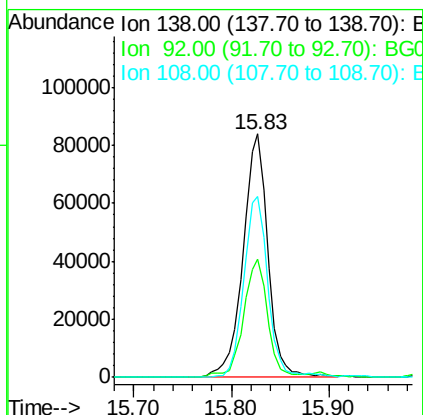
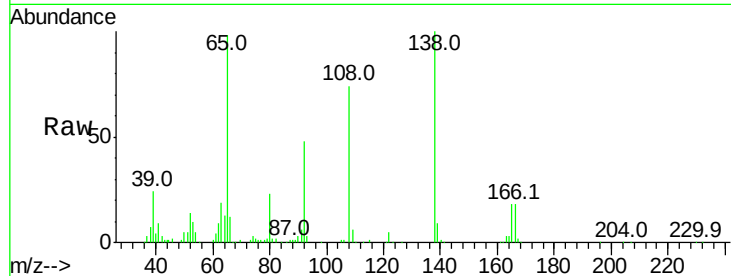




#61  
4-Nitroaniline  
Concen: 43.900 ng  
RT: 15.83 min Scan# 2134  
Delta R.T. -0.01 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

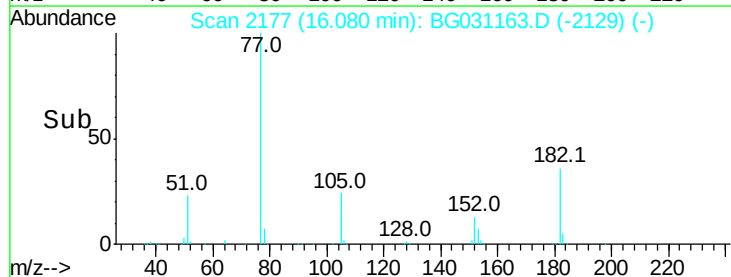
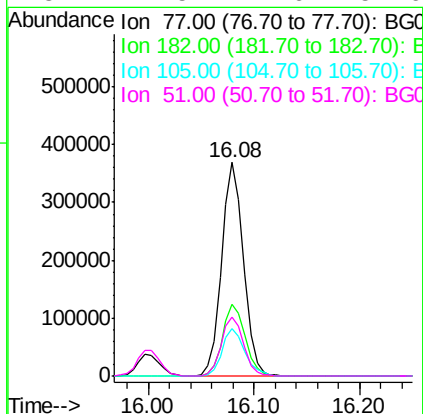
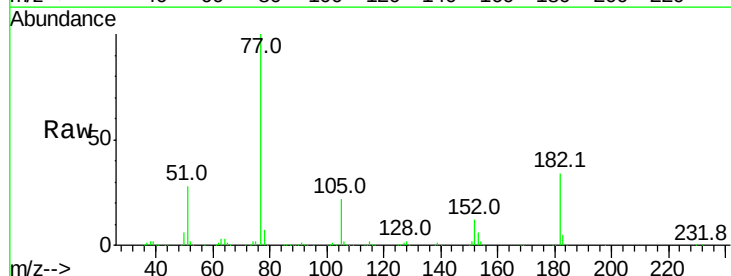
Instrument :  
BNA\_G  
ClientSampleId :

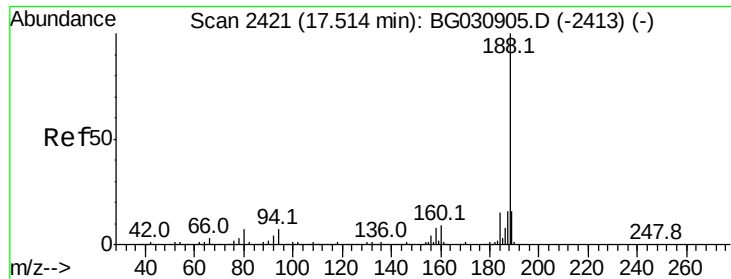
Tot Ion:138 Resp: 149843  
Ion Ratio Lower Upper  
138 100  
92 48.4 40.1 80.1  
108 74.3 65.4 105.4



#62  
Azobenzene  
Concen: 46.483 ng  
RT: 16.08 min Scan# 2177  
Delta R.T. -0.02 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

Tgt Ion: 77 Resp: 530370  
Ion Ratio Lower Upper  
77 100  
182 33.6 7.4 47.4  
105 21.9 0.3 40.3  
51 27.5 11.6 51.6

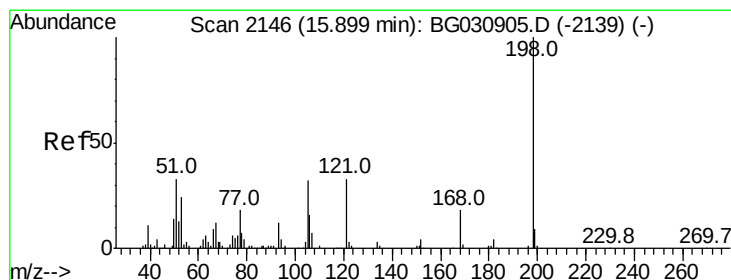
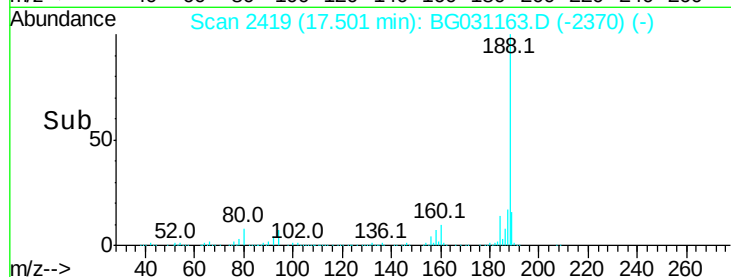
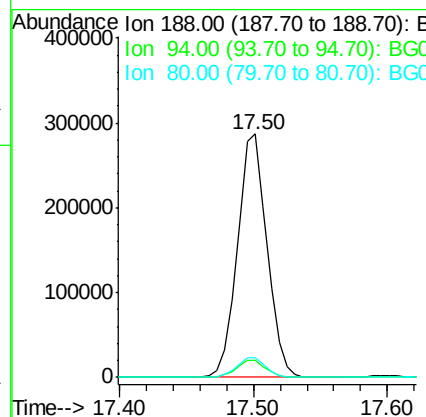
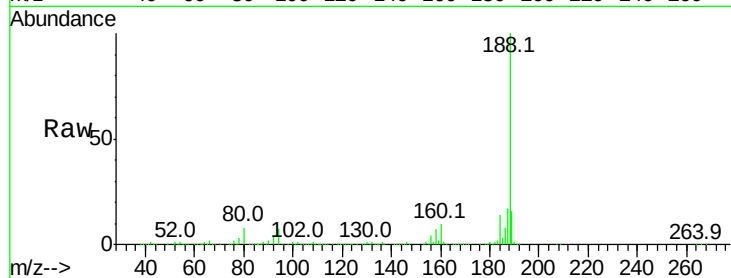




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.50 min Scan# 2419  
Delta R.T. -0.01 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

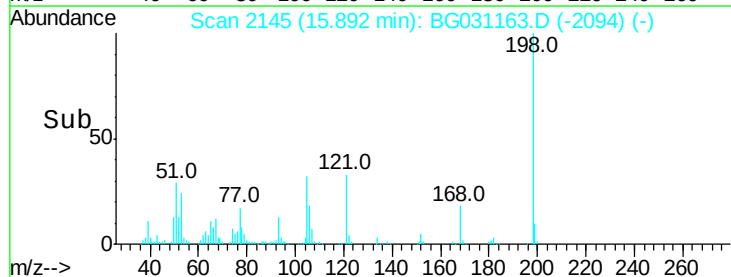
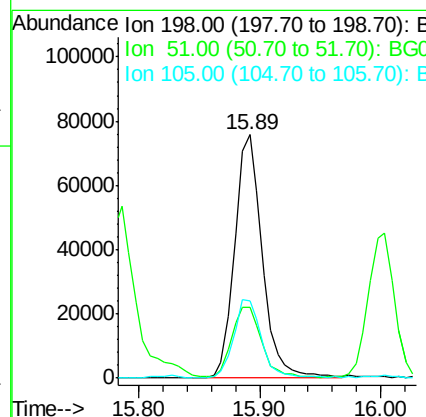
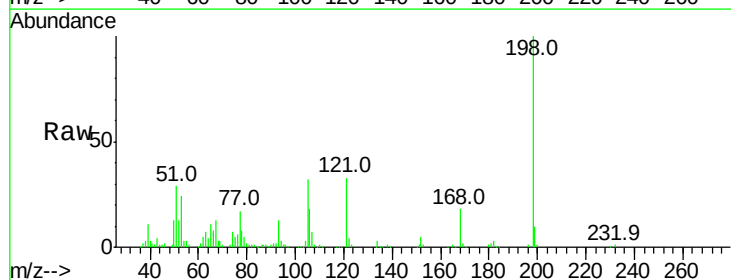
Instrument :  
BNA\_G  
ClientSampleId :

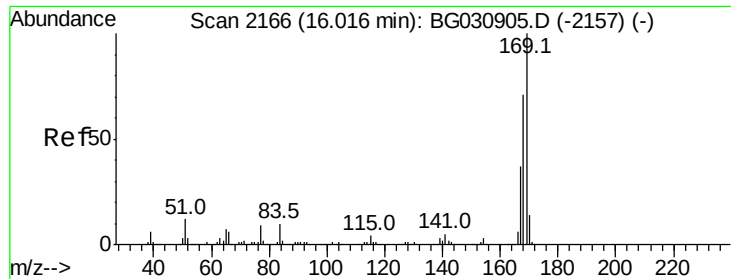
Tot Ion:188 Resp: 440209  
Ion Ratio Lower Upper  
188 100  
94 7.1 6.9 10.3  
80 7.8 7.7 11.5



#64  
4,6-Dinitro-2-methylphenol  
Concen: 41.330 ng  
RT: 15.89 min Scan# 2145  
Delta R.T. 0.00 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

Tgt Ion:198 Resp: 120933  
Ion Ratio Lower Upper  
198 100  
51 29.0 30.6 70.6#  
105 31.9 23.8 63.8





#65

n-Nitrosodiphenylamine

Concen: 42.825 ng

RT: 16.00 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

Instrument :

BNA\_G

ClientSampleId :

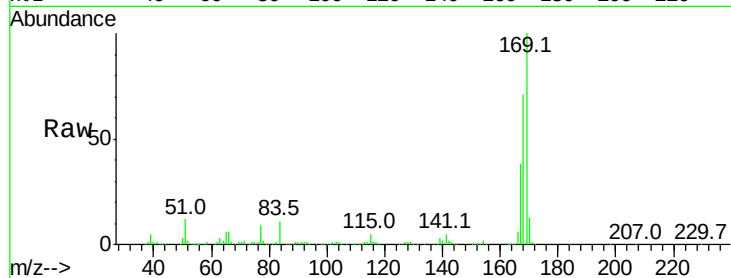
Tot Ion:169 Resp: 571263

Ion Ratio Lower Upper

169 100

168 70.7 55.7 83.5

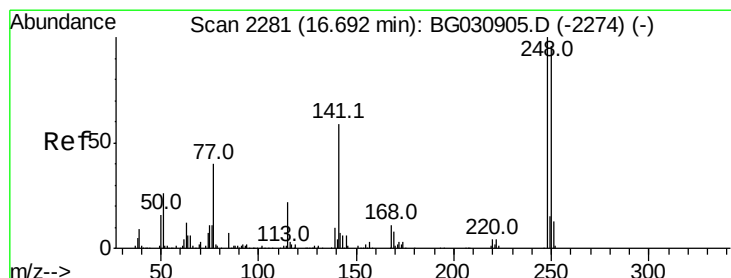
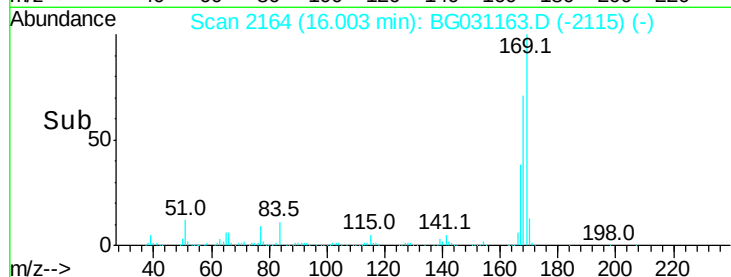
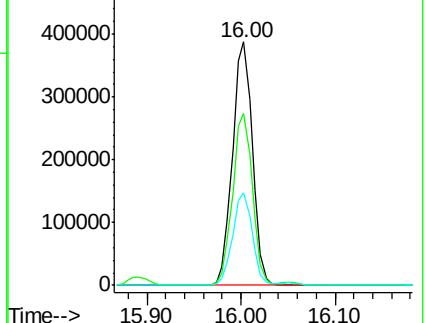
167 38.1 30.1 45.1



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 43.298 ng

RT: 16.68 min Scan# 2279

Delta R.T. -0.02 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

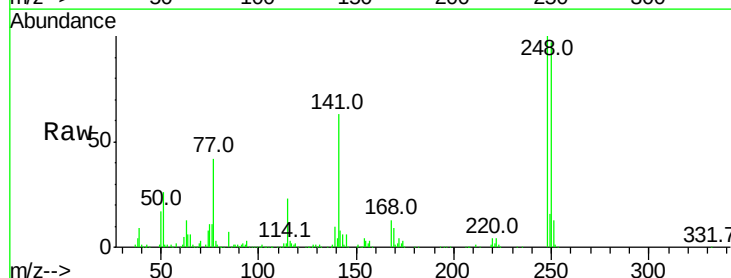
Tgt Ion:248 Resp: 241403

Ion Ratio Lower Upper

248 100

250 97.2 77.1 115.7

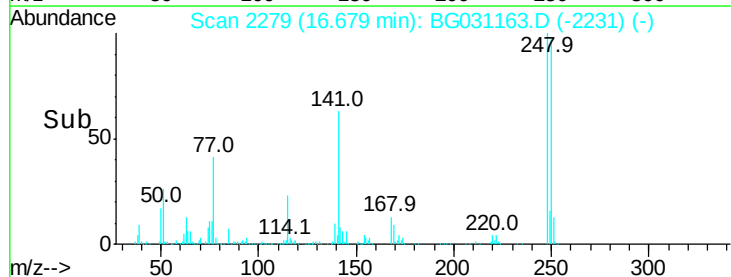
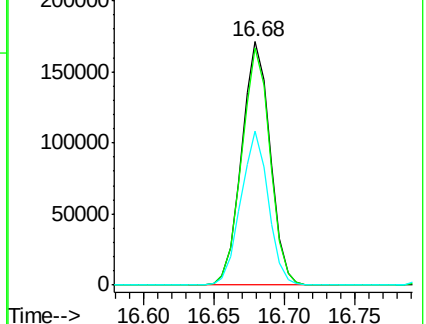
141 63.3 50.8 76.2

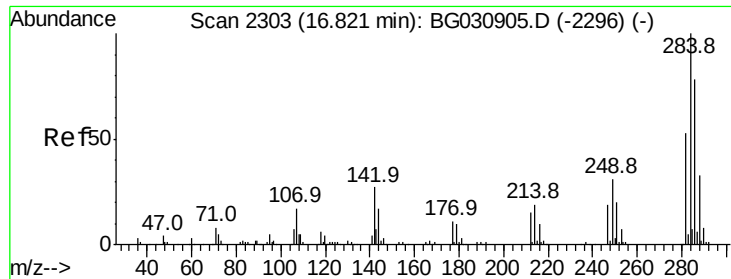


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

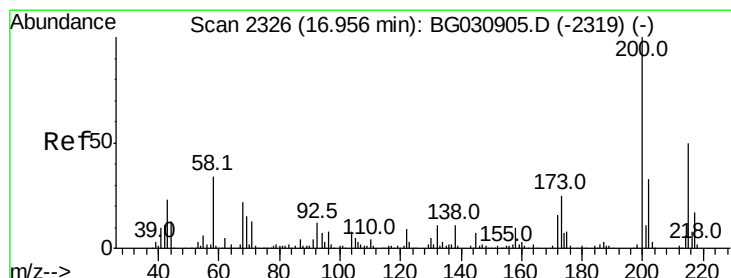
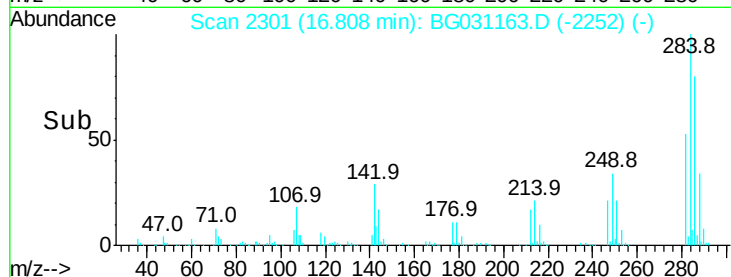
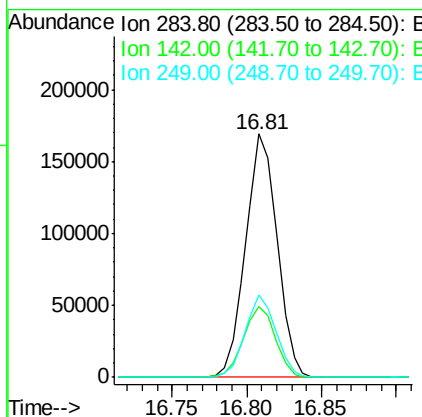
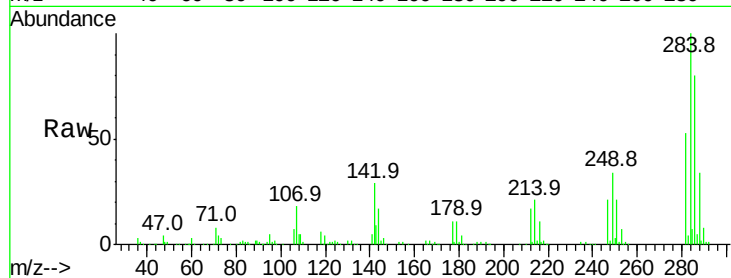




#67  
Hexachlorobenzene  
Concen: 41.637 ng  
RT: 16.81 min Scan# 2301  
Delta R.T. -0.01 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

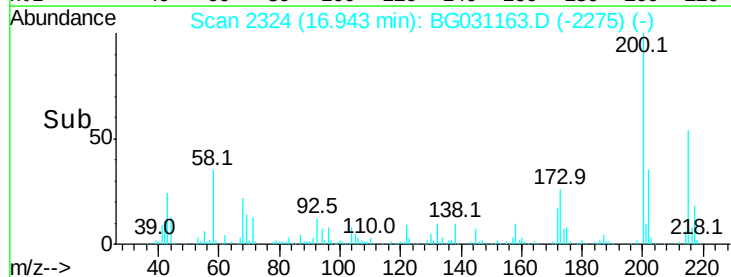
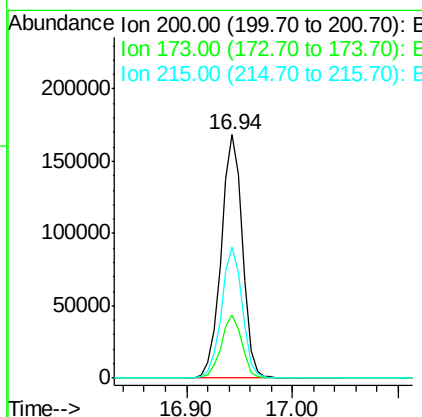
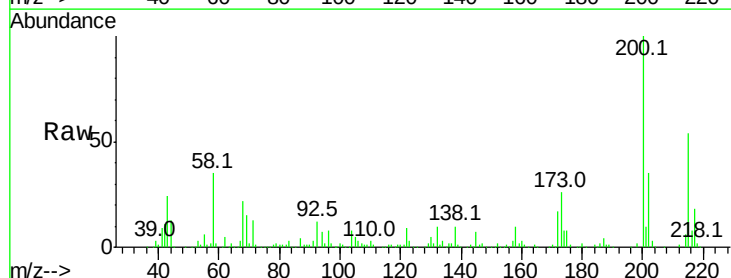
Instrument :  
BNA\_G  
ClientSampleId :

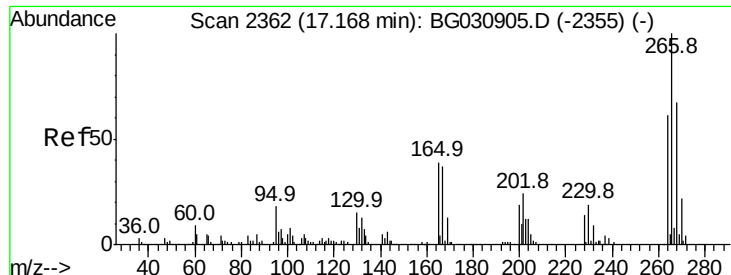
Tot Ion:284 Resp: 246666  
Ion Ratio Lower Upper  
284 100  
142 29.2 26.8 40.2  
249 33.6 26.3 39.5



#68  
Atrazine  
Concen: 42.759 ng  
RT: 16.94 min Scan# 2324  
Delta R.T. -0.01 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

Tgt Ion:200 Resp: 235337  
Ion Ratio Lower Upper  
200 100  
173 25.9 5.2 45.2  
215 53.6 30.4 70.4

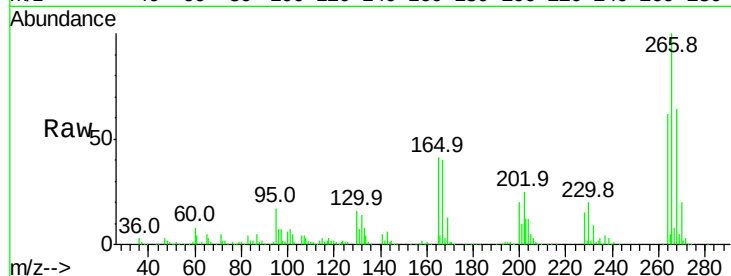




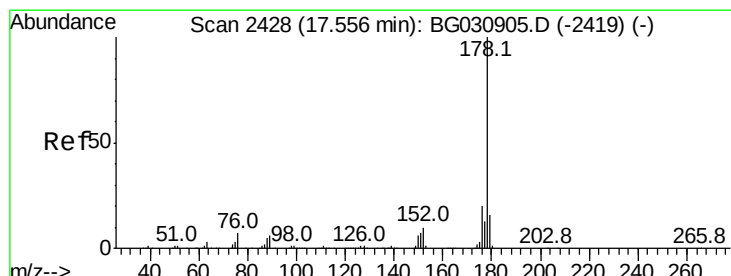
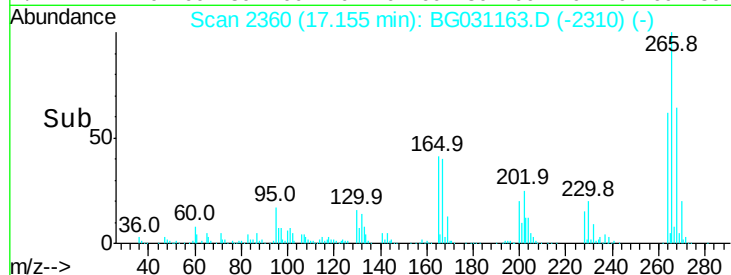
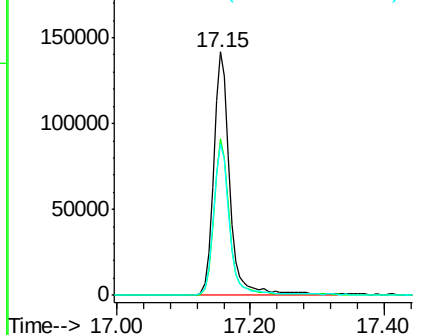
#69  
 Pentachlorophenol  
 Concen: 74.351 ng  
 RT: 17.15 min Scan# 2360  
 Delta R.T. -0.01 min  
 Lab File: BG031163.D  
 Acq: 21 Nov 2017 21:43

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 64.4  | 51.1  | 76.7  |
| 264     | 62.0  | 49.6  | 74.4  |

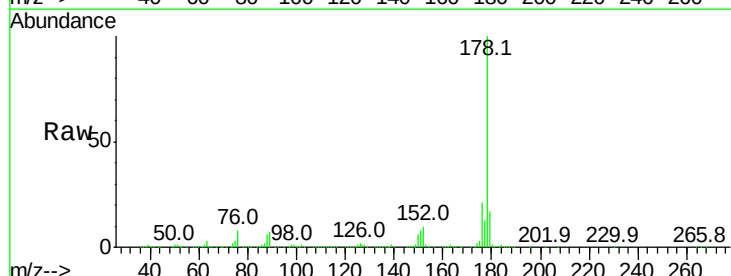


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

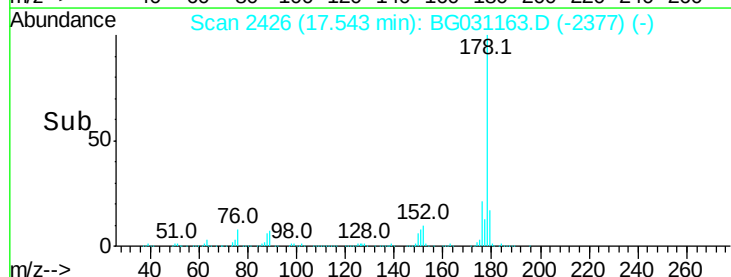
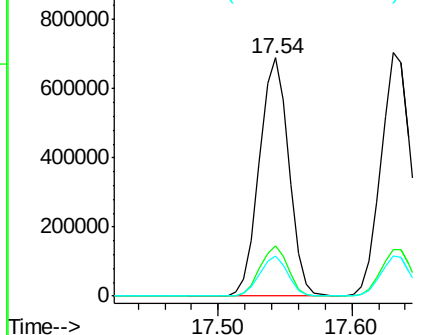


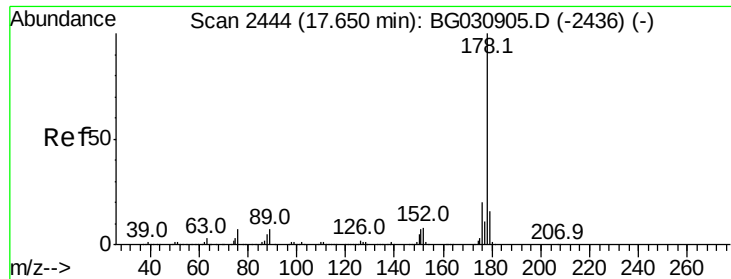
#70  
 Phenanthrene  
 Concen: 45.815 ng  
 RT: 17.54 min Scan# 2426  
 Delta R.T. -0.01 min  
 Lab File: BG031163.D  
 Acq: 21 Nov 2017 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 21.2  | 15.7  | 23.5  |
| 179     | 16.9  | 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: 47.519 ng

RT: 17.63 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

Instrument :

BNA\_G

ClientSampleId :

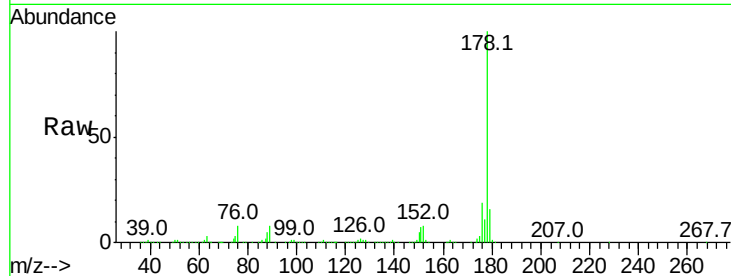
Tot Ion:178 Resp: 1091337

Ion Ratio Lower Upper

178 100

176 19.2 16.0 24.0

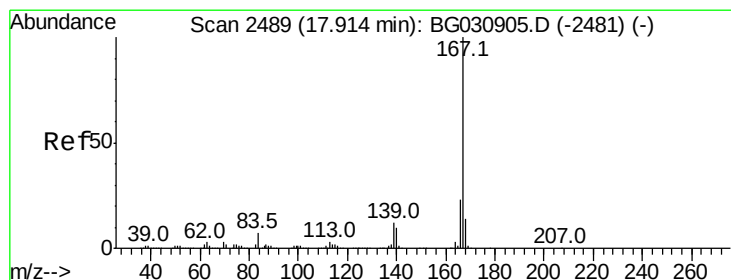
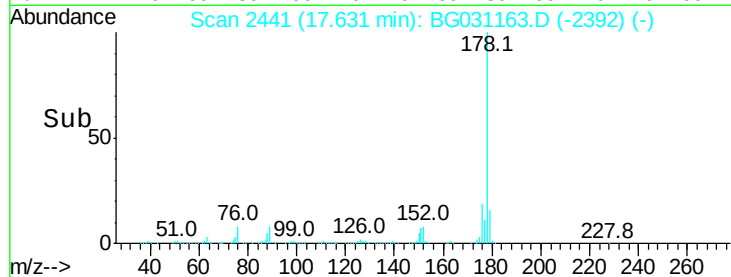
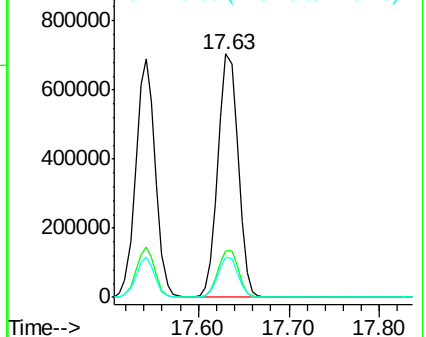
179 16.4 12.5 18.7



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



#72

Carbazole

Concen: 46.276 ng

RT: 17.90 min Scan# 2487

Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

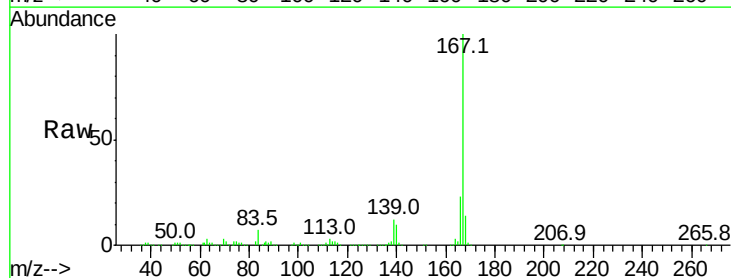
Tgt Ion:167 Resp: 995823

Ion Ratio Lower Upper

167 100

166 22.5 18.2 27.4

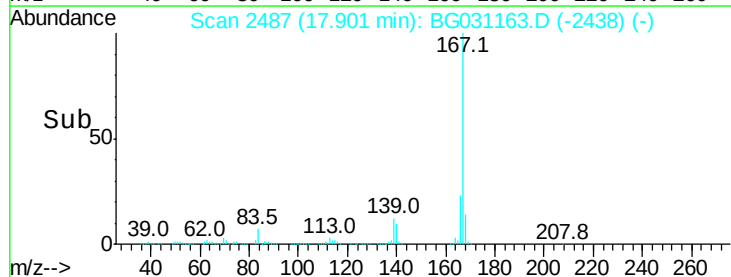
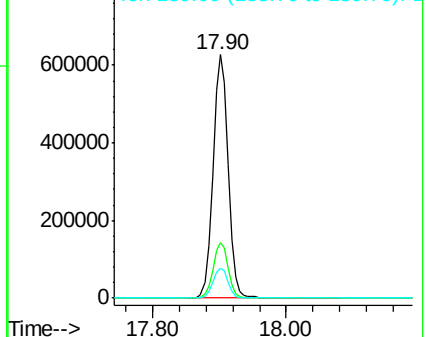
139 12.3 9.4 14.2

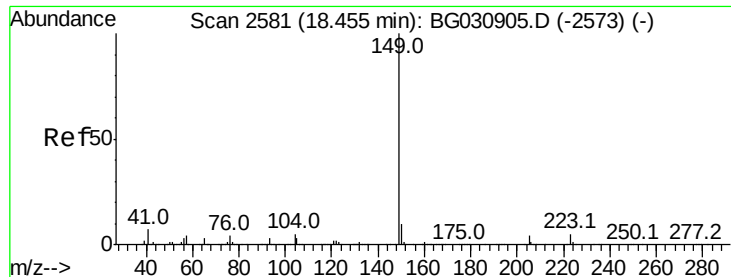


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 43.999 ng

RT: 18.44 min Scan# 2578

Delta R.T. -0.02 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

Instrument :

BNA\_G

ClientSampled :

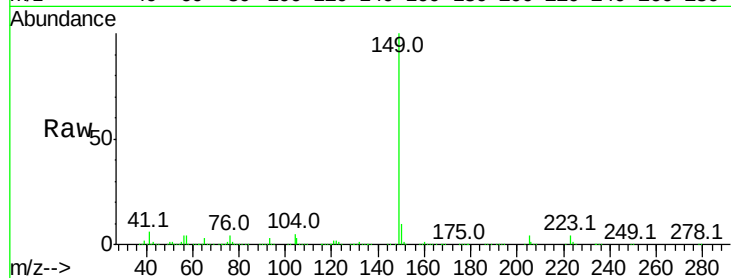
Tot Ion:149 Resp: 1162533

Ion Ratio Lower Upper

149 100

150 10.1 7.8 11.6

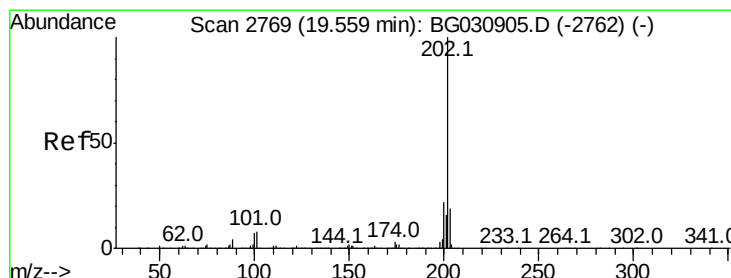
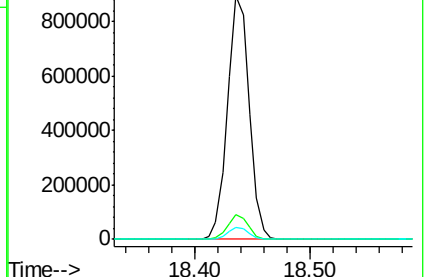
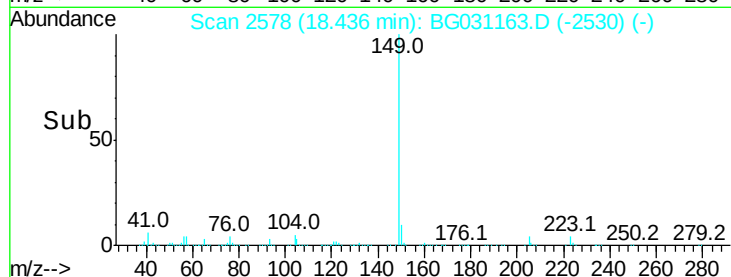
104 5.1 3.9 5.9



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: 47.711 ng

RT: 19.55 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

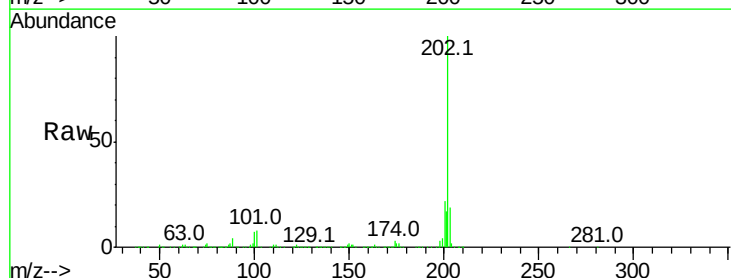
Tgt Ion:202 Resp: 1384601

Ion Ratio Lower Upper

202 100

101 8.3 0.0 28.9

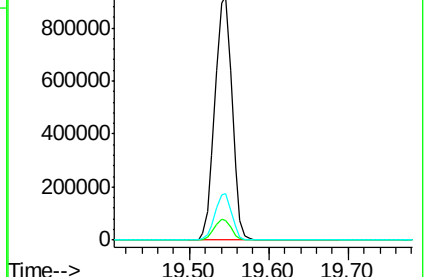
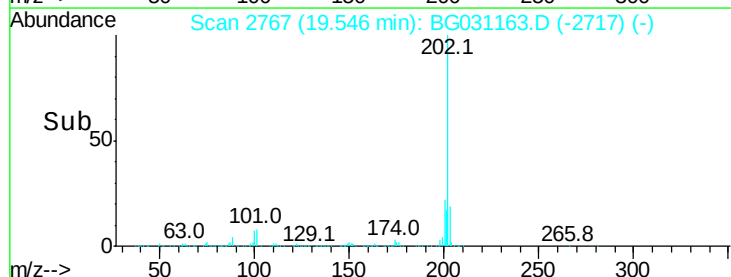
203 19.3 0.0 37.5



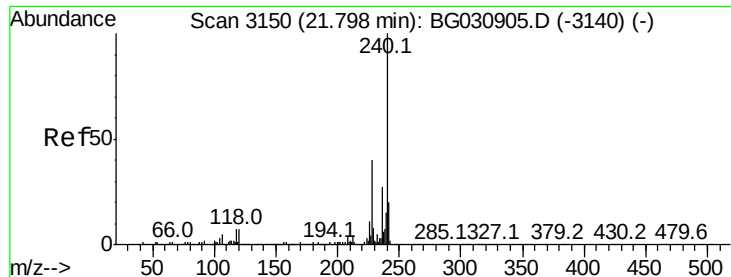
Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.77 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

Instrument :

BNA\_G

ClientSampleId :

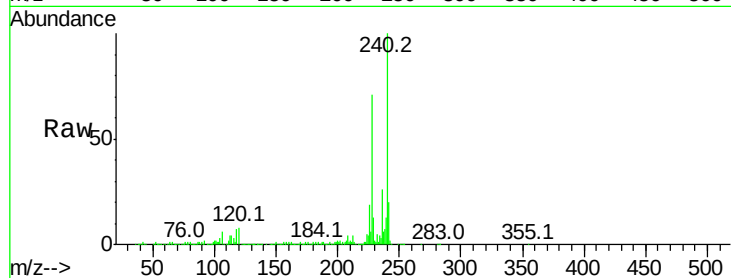
Tot Ion:240 Resp: 493096

Ion Ratio Lower Upper

240 100

120 8.0 6.8 10.2

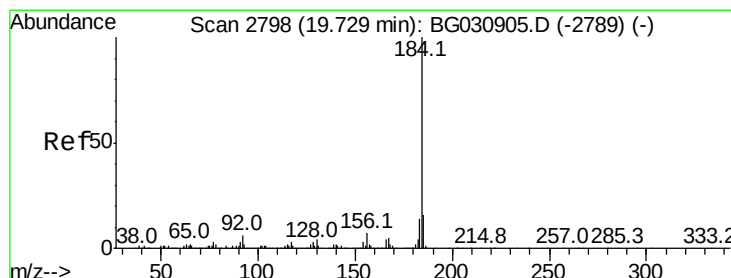
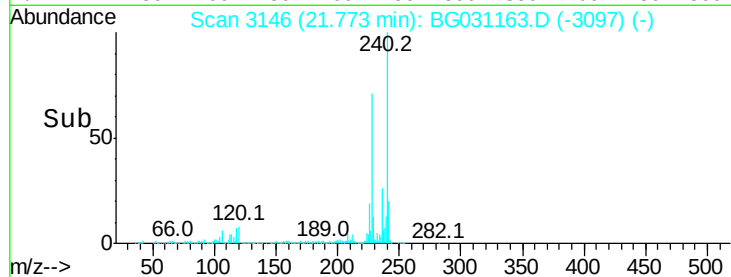
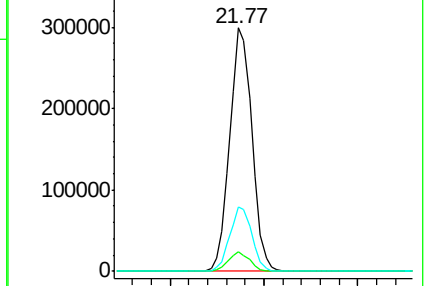
236 26.4 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 32.732 ng

RT: 19.72 min Scan# 2796

Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

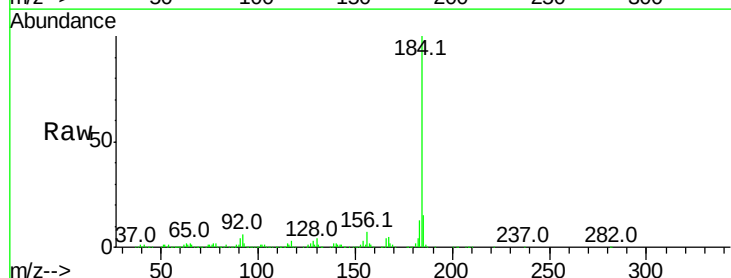
Tgt Ion:184 Resp: 518449

Ion Ratio Lower Upper

184 100

185 15.0 11.1 16.7

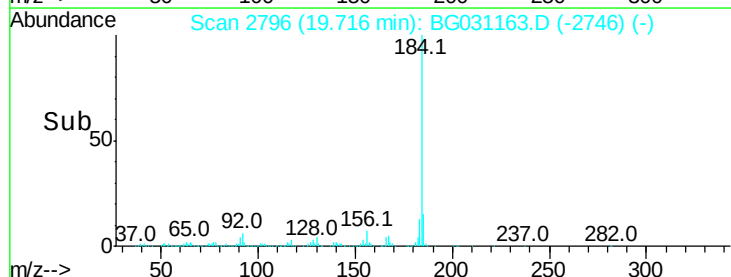
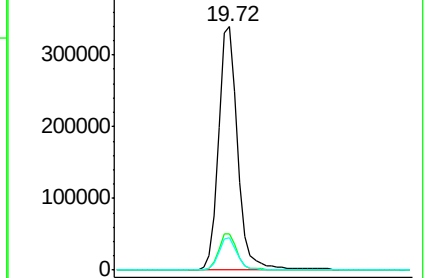
183 13.4 10.6 16.0

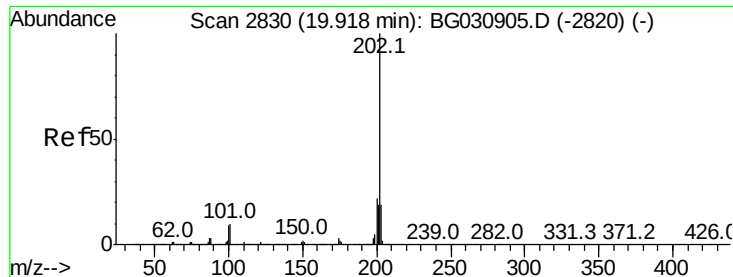


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

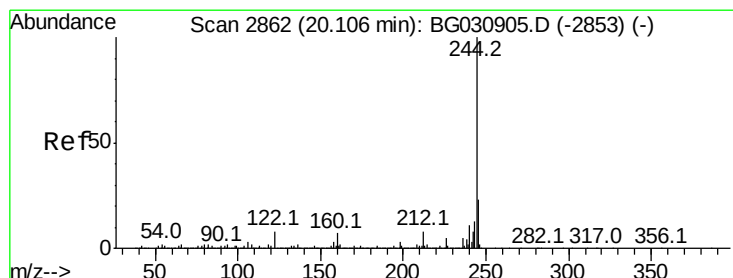
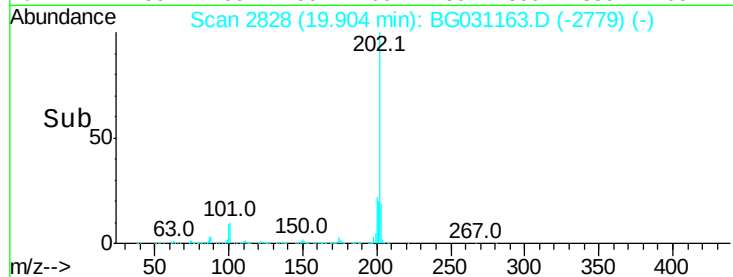
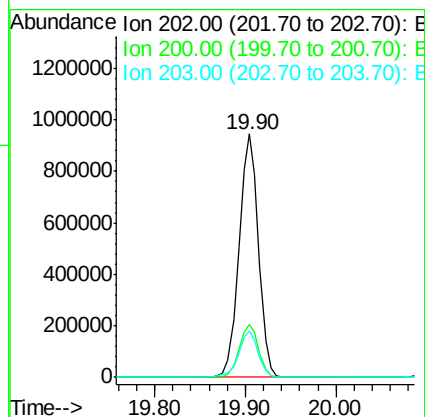
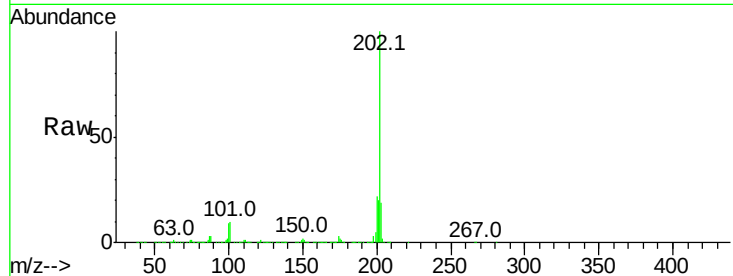




#77  
Pvrene  
Concen: 48.044 ng  
RT: 19.90 min Scan# 2828  
Delta R.T. -0.01 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

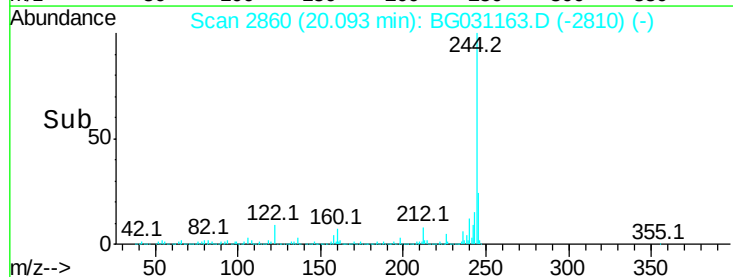
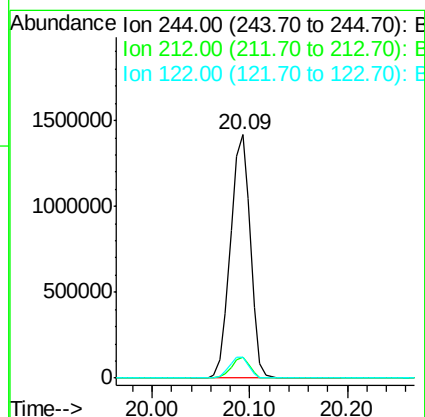
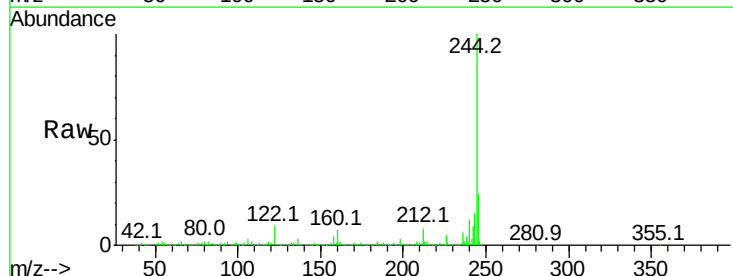
Instrument :  
BNA\_G  
ClientSampleId :

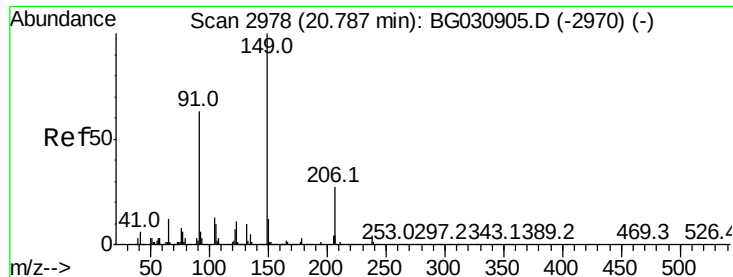
Tot Ion:202 Resp: 1405781  
Ion Ratio Lower Upper  
202 100  
200 21.9 16.9 25.3  
203 19.1 13.9 20.9



#78  
Terphenyl-d14  
Concen: 89.127 ng  
RT: 20.09 min Scan# 2860  
Delta R.T. -0.01 min  
Lab File: BG031163.D  
Acq: 21 Nov 2017 21:43

Tgt Ion:244 Resp: 1990318  
Ion Ratio Lower Upper  
244 100  
212 8.3 5.8 8.8  
122 8.6 7.0 10.4





#79

Butylbenzylphthalate

Concen: 48.001 ng

RT: 20.77 min Scan# 2975

Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

Instrument :

BNA\_G

ClientSampleId :

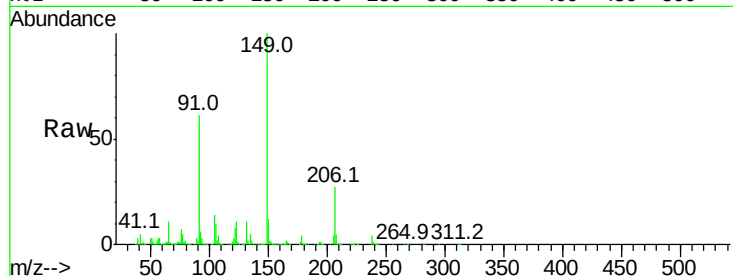
Tot Ion:149 Resp: 560006

Ion Ratio Lower Upper

149 100

91 61.0 62.2 93.2#

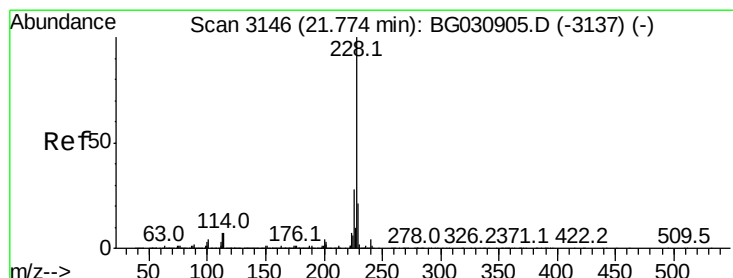
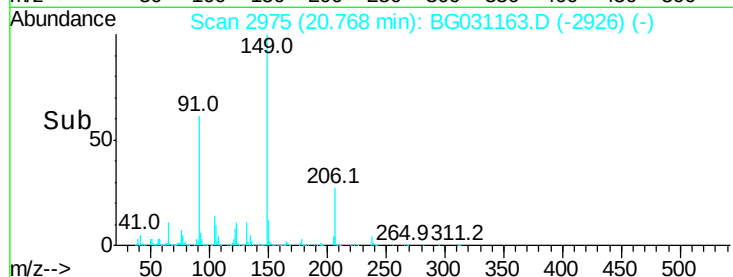
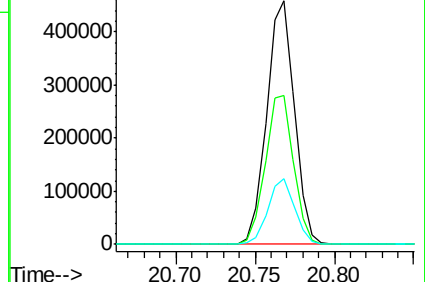
206 27.1 18.6 27.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 46.146 ng

RT: 21.76 min Scan# 3143

Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

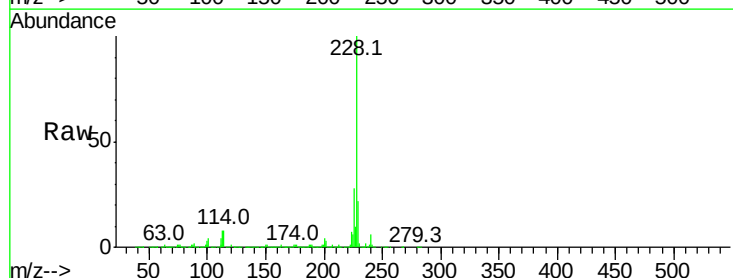
Tgt Ion:228 Resp: 1413400

Ion Ratio Lower Upper

228 100

226 28.5 22.7 34.1

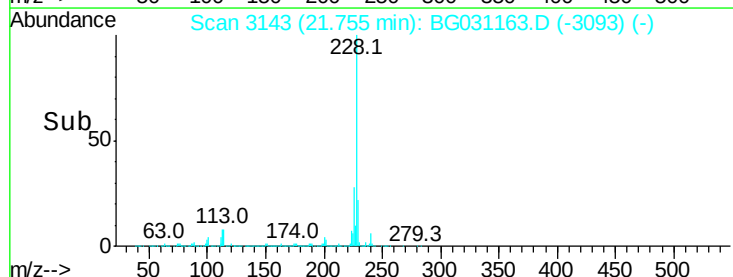
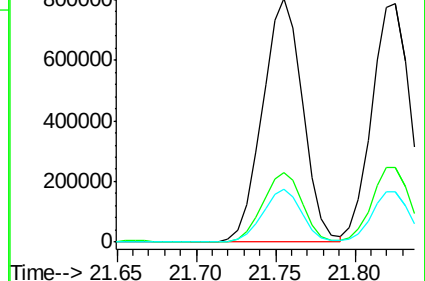
229 21.7 16.2 24.2

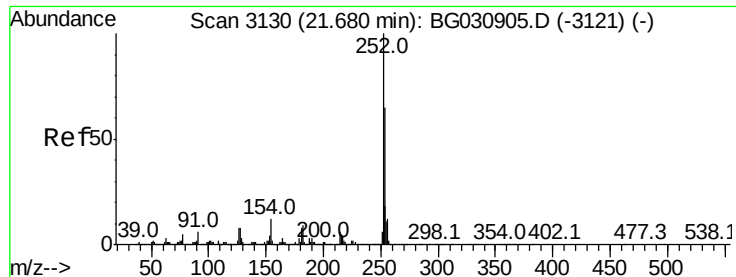


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

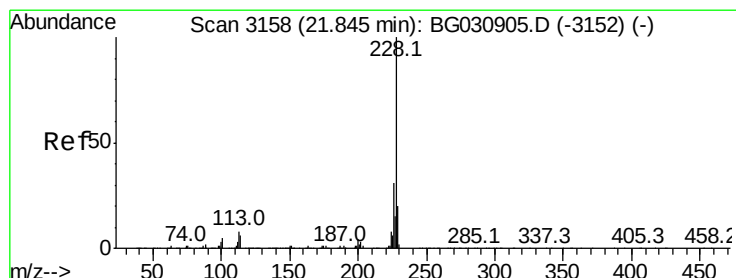
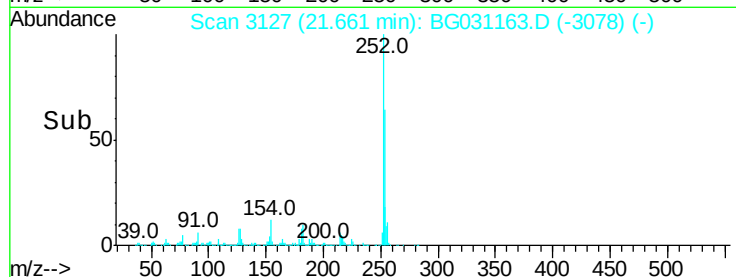
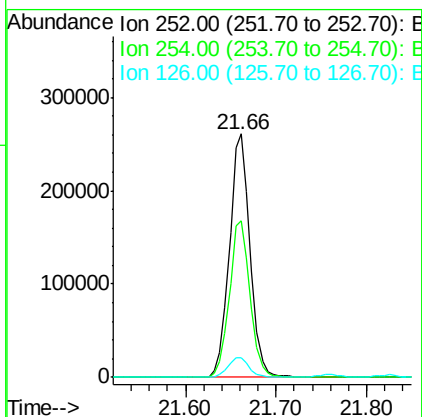
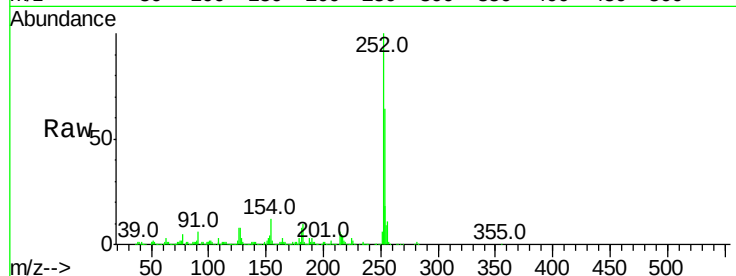




#81  
 3,3'-Dichlorobenzidine  
 Concen: 33.412 ng  
 RT: 21.66 min Scan# 3127  
 Delta R.T. -0.01 min  
 Lab File: BG031163.D  
 Acq: 21 Nov 2017 21:43

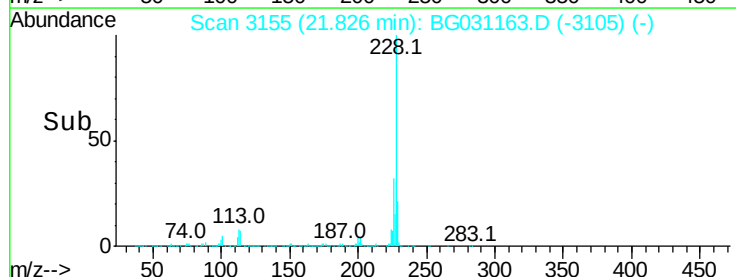
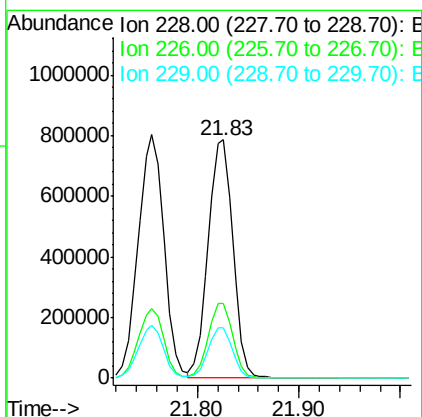
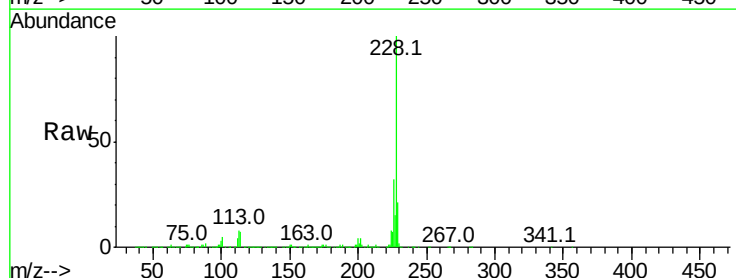
Instrument :  
 BNA\_G  
 ClientSampleId :

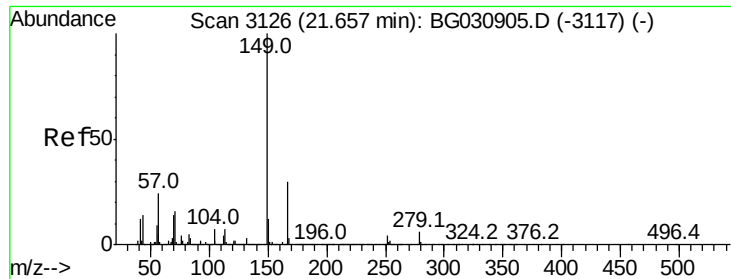
Tot Ion:252 Resp: 413106  
 Ion Ratio Lower Upper  
 252 100  
 254 64.5 50.8 76.2  
 126 7.8 7.4 11.2



#82  
 Chrysene  
 Concen: 46.924 ng  
 RT: 21.83 min Scan# 3155  
 Delta R.T. -0.01 min  
 Lab File: BG031163.D  
 Acq: 21 Nov 2017 21:43

Tgt Ion:228 Resp: 1329510  
 Ion Ratio Lower Upper  
 228 100  
 226 31.6 24.9 37.3  
 229 21.3 15.0 22.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 46.278 ng

RT: 21.63 min Scan# 3122

Delta R.T. -0.02 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

Instrument :

BNA\_G

ClientSampleId :

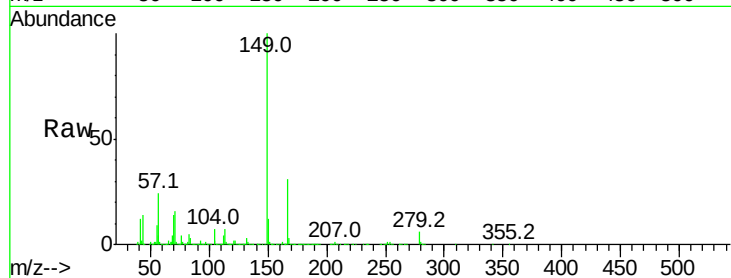
Tot Ion:149 Resp: 779352

Ion Ratio Lower Upper

149 100

167 31.2 24.3 36.5

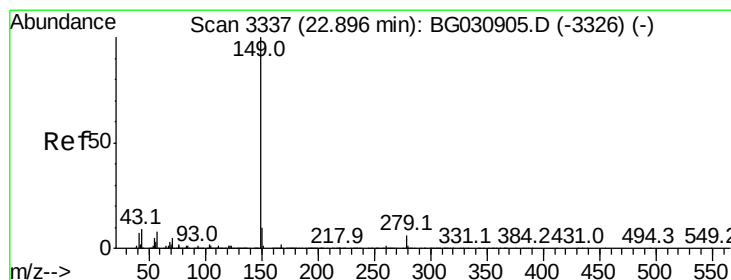
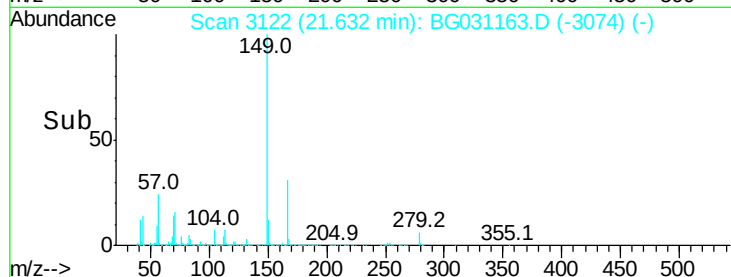
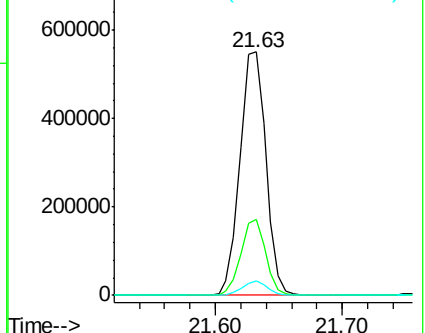
279 5.8 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 48.346 ng

RT: 22.86 min Scan# 3331

Delta R.T. -0.03 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

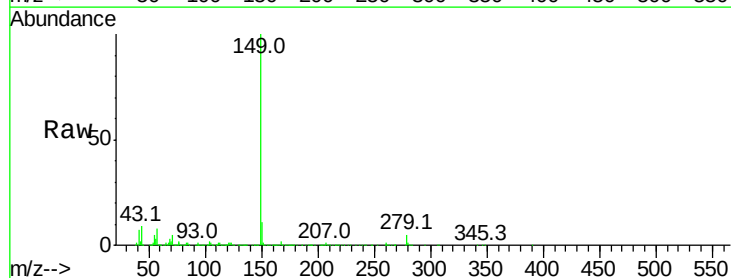
Tgt Ion:149 Resp: 1325168

Ion Ratio Lower Upper

149 100

167 1.9 1.4 2.0

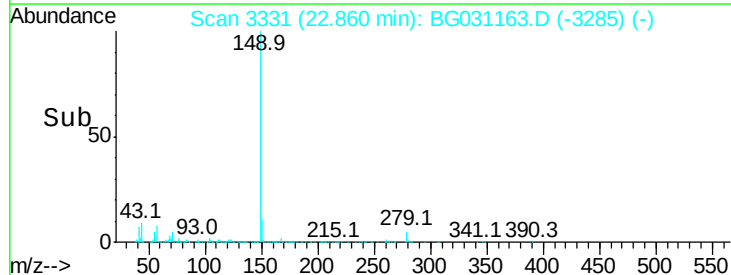
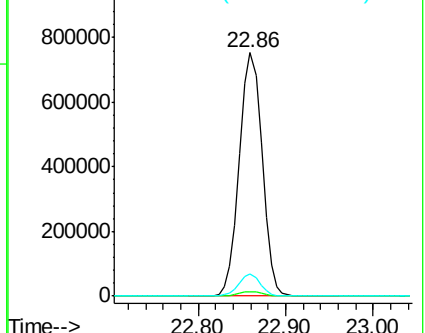
43 8.5 8.9 13.3#

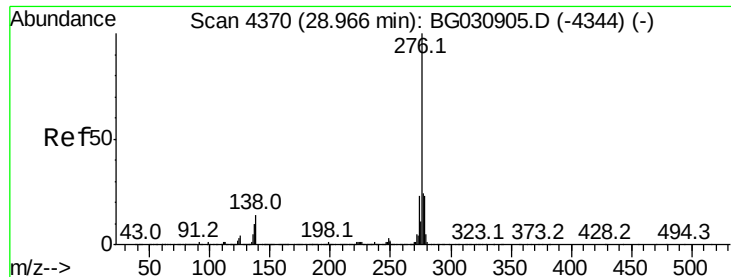


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BG





#85

Indeno(1,2,3-cd)pyrene

Concen: 43.561 ng

RT: 28.88 min Scan# 4355

Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

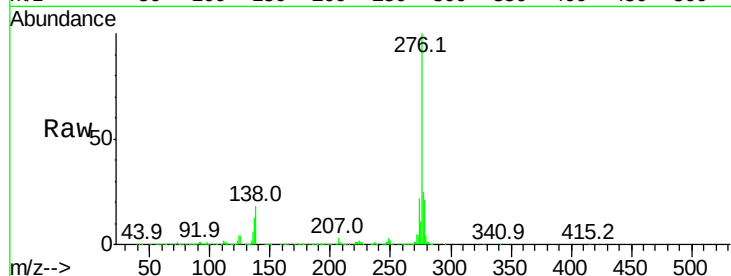
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:276 Resp: 1500442

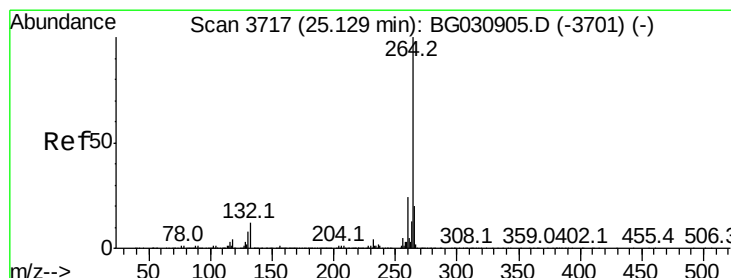
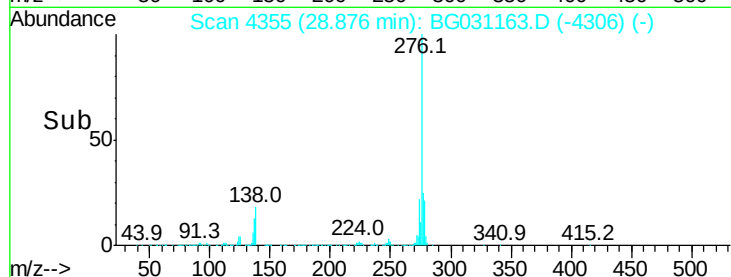
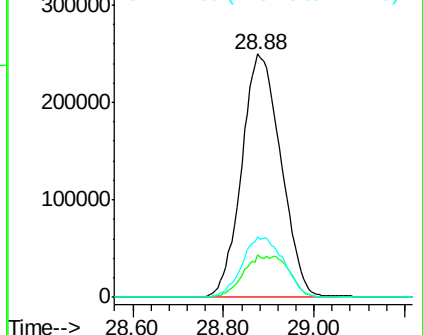
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 9.2   | 16.0  | 24.0# |
| 277 | 26.3  | 20.0  | 30.0  |



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.08 min Scan# 3709

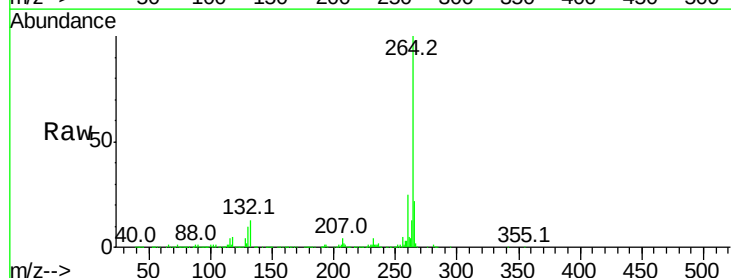
Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

Tgt Ion:264 Resp: 489300

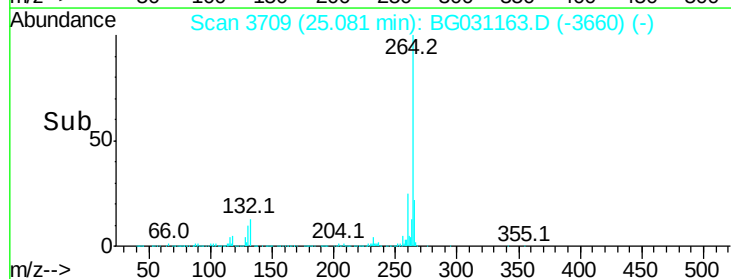
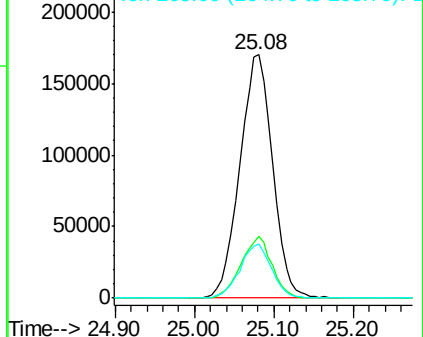
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.4  | 17.4  | 26.0  |
| 265 | 22.3  | 17.7  | 26.5  |

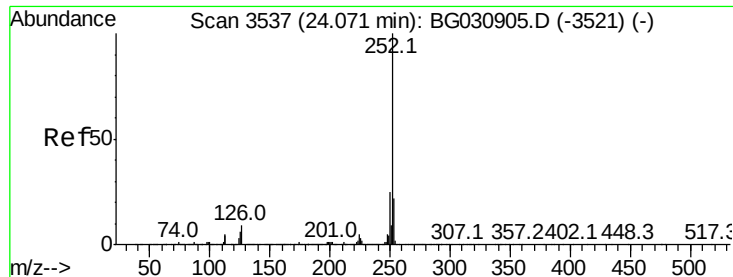


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 47.712 ng

RT: 24.03 min Scan# 3530

Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

Instrument :

BNA\_G

ClientSampleId :

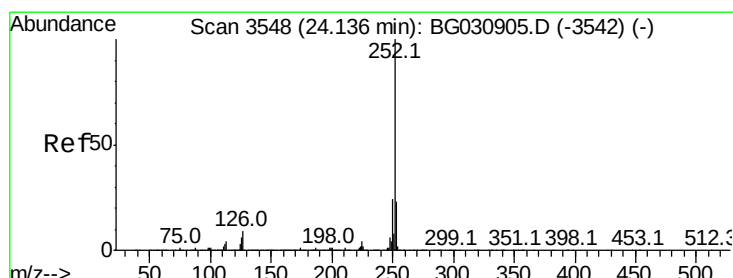
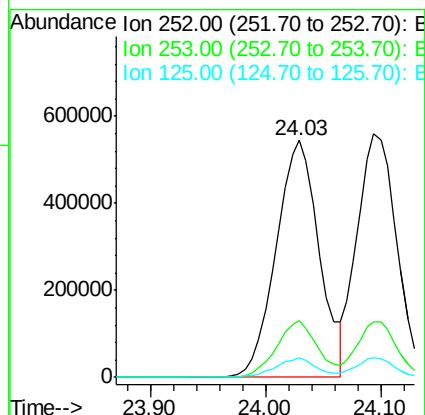
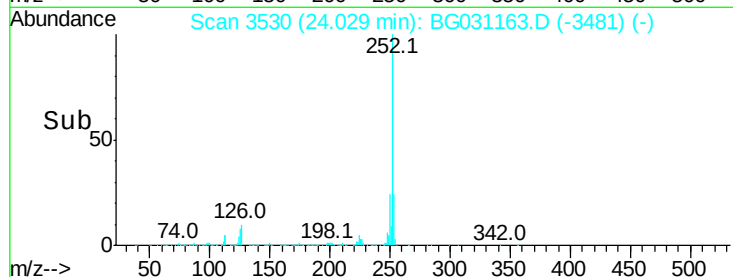
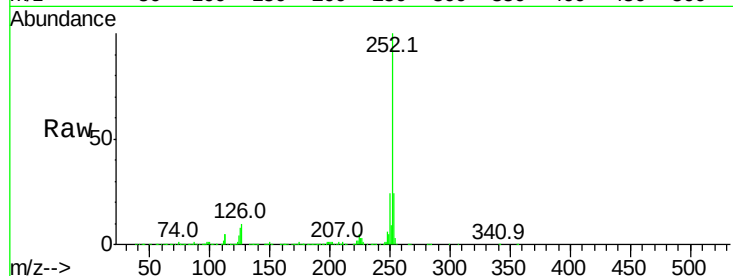
Tot Ion:252 Resp: 1412165

Ion Ratio Lower Upper

252 100

253 24.0 18.2 27.4

125 8.2 7.2 10.8



#88

Benzo(k)fluoranthene

Concen: 45.517 ng

RT: 24.09 min Scan# 3541

Delta R.T. -0.02 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

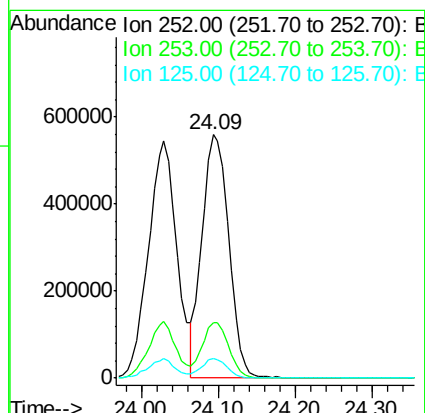
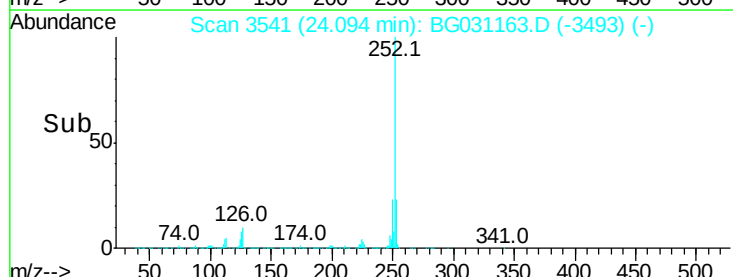
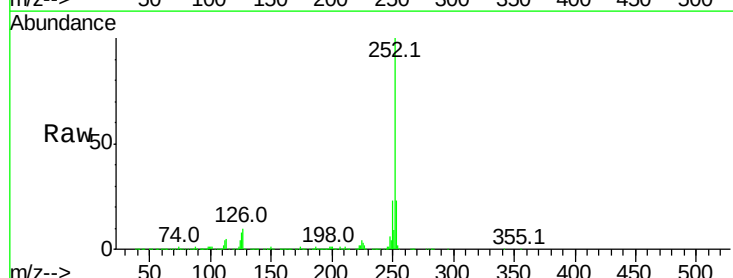
Tgt Ion:252 Resp: 1335354

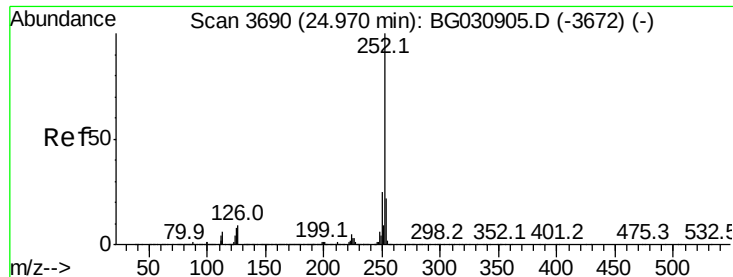
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

125 7.8 6.6 9.8





#89

Benzo(a)pyrene

Concen: 47.362 ng

RT: 24.93 min Scan# 3683

Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

Instrument :

BNA\_G

ClientSampleId :

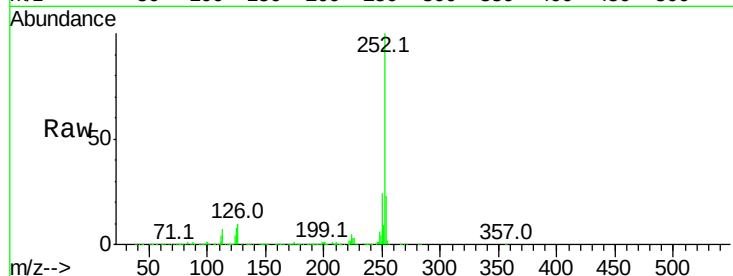
Tot Ion:252 Resp: 1331695

Ion Ratio Lower Upper

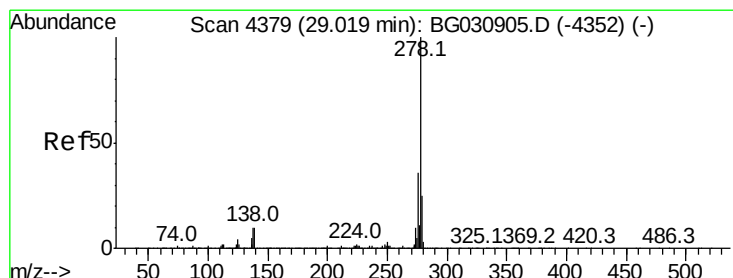
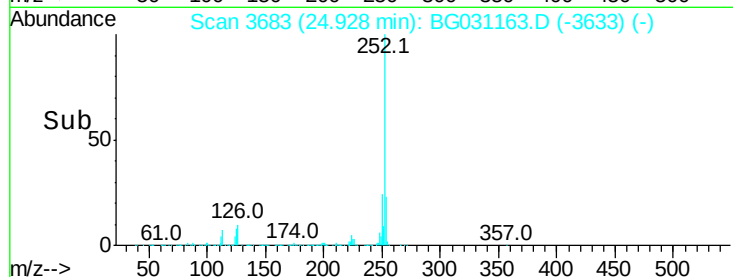
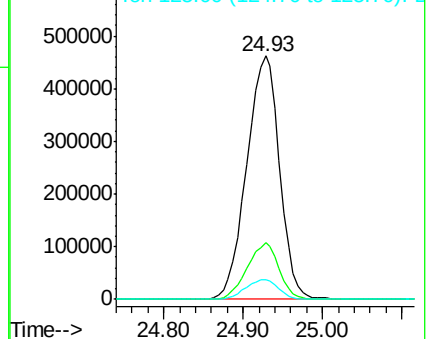
252 100

253 23.1 18.3 27.5

125 8.3 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: 44.020 ng

RT: 28.93 min Scan# 4364

Delta R.T. -0.01 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

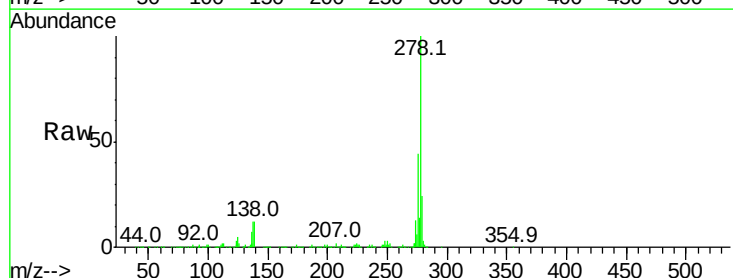
Tgt Ion:278 Resp: 1265097

Ion Ratio Lower Upper

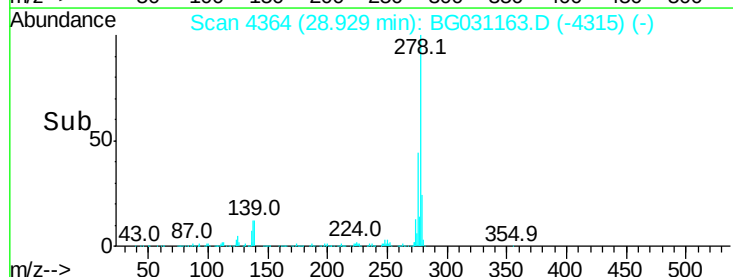
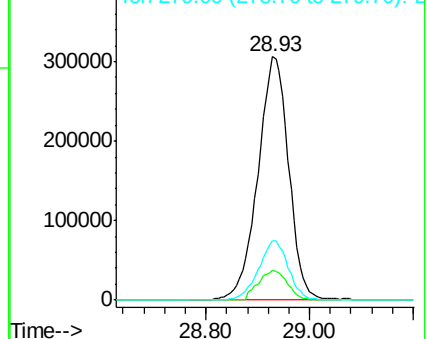
278 100

139 12.1 9.8 14.6

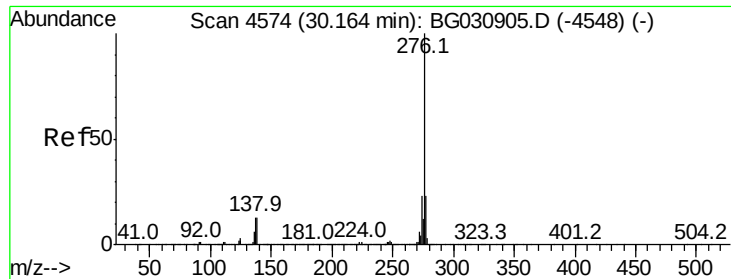
279 24.5 18.4 27.6



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: 44.621 ng

RT: 30.07 min Scan# 4559

Delta R.T. 0.00 min

Lab File: BG031163.D

Acq: 21 Nov 2017 21:43

Instrument :

BNA\_G

ClientSampleId :

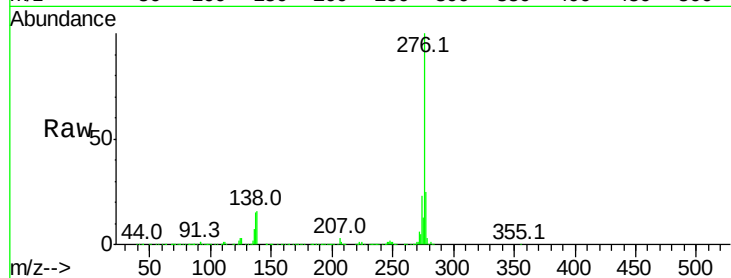
Tot Ion:276 Resp: 1244623

Ion Ratio Lower Upper

276 100

277 25.2 18.3 27.5

138 16.2 13.9 20.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

