

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110618\  
 Data File : BG037840.D  
 Acq On : 6 Nov 2018 16:08  
 Operator : JU/SJ  
 Sample : PB114487BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 06 16:43:59 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 18 14:06:42 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.09  | 152  | 49549    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 10.91 | 136  | 222376   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 14.73 | 164  | 149925   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 17.48 | 188  | 347463   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.77 | 240  | 315457   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 25.09 | 264  | 312242   | 20.00 | ng    | -0.02    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.64  | 112 | 489881  | 165.29 | ng | 0.00  |
| 7) Phenol-d6                | 7.24  | 99  | 687816  | 153.48 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 9.27  | 82  | 325473  | 81.99  | ng | 0.00  |
| 42) 2,4,6-Tribromophenol    | 16.22 | 330 | 259898  | 158.94 | ng | 0.00  |
| 45) 2-Fluorobiphenyl        | 13.35 | 172 | 784380  | 78.89  | ng | -0.01 |
| 79) Terphenyl-d14           | 20.07 | 244 | 1144106 | 77.50  | ng | -0.01 |

|                                |       |     |        |           |        |
|--------------------------------|-------|-----|--------|-----------|--------|
| Target Compounds               |       |     |        |           | Qvalue |
| 2) 1,4-Dioxane                 | 3.52  | 88  | 46858  | 31.177 ng | 97     |
| 3) Pyridine                    | 3.92  | 79  | 136872 | 36.131 ng | 93     |
| 4) n-Nitrosodimethylamine      | 3.85  | 42  | 58915  | 43.664 ng | 96     |
| 6) Aniline                     | 7.42  | 93  | 174207 | 31.864 ng | 97     |
| 8) 2-Chlorophenol              | 7.65  | 128 | 151375 | 43.660 ng | 98     |
| 9) Benzaldehyde                | 7.24  | 77  | 106660 | 38.047 ng | 97     |
| 10) Phenol                     | 7.27  | 94  | 200888 | 42.485 ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 7.51  | 93  | 141231 | 39.326 ng | 96     |
| 12) 1,3-Dichlorobenzene        | 7.98  | 146 | 157152 | 40.715 ng | 98     |
| 13) 1,4-Dichlorobenzene        | 8.13  | 146 | 159080 | 40.291 ng | 98     |
| 14) 1,2-Dichlorobenzene        | 8.45  | 146 | 151706 | 39.944 ng | 98     |
| 15) Benzyl Alcohol             | 8.33  | 79  | 131348 | 39.666 ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.62  | 45  | 254471 | 39.601 ng | 97     |
| 17) 2-Methylphenol             | 8.53  | 107 | 137329 | 43.930 ng | 97     |
| 18) Hexachloroethane           | 9.18  | 117 | 57672  | 42.846 ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 8.90  | 70  | 114778 | 37.193 ng | 94     |
| 20) 3+4-Methylphenols          | 8.86  | 107 | 190635 | 42.653 ng | 98     |
| 22) Acetophenone               | 8.92  | 105 | 222482 | 39.892 ng | # 99   |
| 24) Nitrobenzene               | 9.32  | 77  | 173738 | 42.130 ng | 96     |
| 25) Isophorone                 | 9.83  | 82  | 325077 | 44.818 ng | 98     |
| 26) 2-Nitrophenol              | 10.03 | 139 | 86769  | 46.706 ng | 98     |
| 27) 2,4-Dimethylphenol         | 10.07 | 122 | 161750 | 48.764 ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 10.31 | 93  | 202181 | 42.545 ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.56 | 162 | 165475 | 44.805 ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.77 | 180 | 168856 | 42.043 ng | 95     |
| 31) Naphthalene                | 10.97 | 128 | 482067 | 44.135 ng | 99     |
| 32) Benzoic acid               | 10.18 | 122 | 72765  | 33.775 ng | 99     |
| 33) 4-Chloroaniline            | 11.08 | 127 | 135088 | 26.322 ng | 96     |
| 34) Hexachlorobutadiene        | 11.23 | 225 | 100292 | 42.134 ng | 96     |
| 35) Caprolactam                | 11.85 | 113 | 57159  | 38.590 ng | 93     |
| 36) 4-Chloro-3-methylphenol    | 12.18 | 107 | 175401 | 42.112 ng | 95     |
| 37) 2-Methylnaphthalene        | 12.57 | 142 | 370237 | 46.500 ng | 99     |
| 38) 1-Methylnaphthalene        | 12.78 | 142 | 353069 | 45.661 ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.92 | 216 | 196388 | 40.610 ng | 99     |

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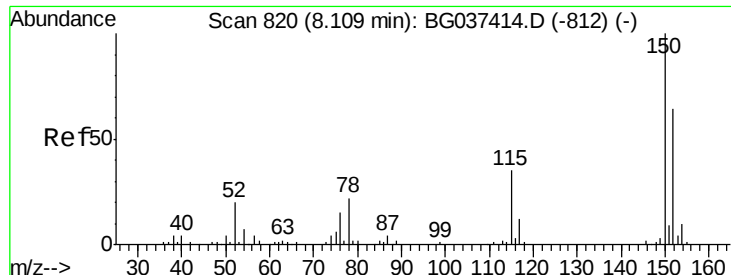
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 06 16:43:59 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 18 14:06:42 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.89 | 237  | 244868   | 106.004 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 13.16 | 196  | 138777   | 42.955  | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 13.23 | 196  | 151588   | 43.094  | ng    | 98       |
| 46) 1,1'-Biphenyl              | 13.56 | 154  | 479684   | 38.633  | ng    | 98       |
| 47) 2-Chloronaphthalene        | 13.61 | 162  | 380268   | 40.482  | ng    | 99       |
| 48) 2-Nitroaniline             | 13.82 | 65   | 121032   | 42.488  | ng    | 98       |
| 49) Acenaphthylene             | 14.46 | 152  | 629400   | 44.542  | ng    | 99       |
| 50) Dimethylphthalate          | 14.18 | 163  | 478357   | 41.243  | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 14.31 | 165  | 110643   | 43.122  | ng    | 93       |
| 52) Acenaphthene               | 14.79 | 154  | 365700   | 42.023  | ng    | 98       |
| 53) 3-Nitroaniline             | 14.65 | 138  | 95545    | 33.543  | ng    | # 93     |
| 54) 2,4-Dinitrophenol          | 14.84 | 184  | 58736    | 61.220  | ng    | 98       |
| 55) Dibenzofuran               | 15.13 | 168  | 594521   | 41.233  | ng    | 99       |
| 56) 4-Nitrophenol              | 14.94 | 139  | 219938   | 104.316 | ng    | 97       |
| 57) 2,4-Dinitrotoluene         | 15.09 | 165  | 153424   | 45.553  | ng    | 95       |
| 58) Fluorene                   | 15.77 | 166  | 479779   | 44.435  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.34 | 232  | 133701   | 44.393  | ng    | 99       |
| 60) Diethylphthalate           | 15.53 | 149  | 497496   | 41.780  | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.76 | 204  | 252635   | 40.143  | ng    | 98       |
| 62) 4-Nitroaniline             | 15.81 | 138  | 117518   | 41.520  | ng    | 89       |
| 63) Azobenzene                 | 16.06 | 77   | 470091   | 41.377  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.85 | 198  | 64839    | 37.765  | ng    | 99       |
| 66) n-Nitrosodiphenylamine     | 15.98 | 169  | 431839   | 41.317  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.66 | 248  | 158213   | 41.464  | ng    | 98       |
| 68) Hexachlorobenzene          | 16.77 | 284  | 160055   | 40.473  | ng    | 98       |
| 69) Atrazine                   | 16.92 | 200  | 161041   | 42.616  | ng    | 99       |
| 70) Pentachlorophenol          | 17.12 | 266  | 170639   | 64.418  | ng    | 95       |
| 71) Phenanthrene               | 17.52 | 178  | 778439   | 44.081  | ng    | 99       |
| 72) Anthracene                 | 17.61 | 178  | 790479   | 45.613  | ng    | 98       |
| 73) Carbazole                  | 17.88 | 167  | 708634   | 40.878  | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.42 | 149  | 839797   | 43.549  | ng    | 100      |
| 75) Fluoranthene               | 19.52 | 202  | 891959   | 44.534  | ng    | 99       |
| 77) Benzidine                  | 19.71 | 184  | 383159   | 35.721  | ng    | 99       |
| 78) Pyrene                     | 19.89 | 202  | 884397   | 42.886  | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.76 | 149  | 380980   | 45.141  | ng    | 96       |
| 81) Benzo(a)anthracene         | 21.74 | 228  | 829266   | 44.443  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.65 | 252  | 225938   | 31.240  | ng    | 98       |
| 83) Chrysene                   | 21.81 | 228  | 782897   | 43.635  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 21.61 | 149  | 536197   | 45.325  | ng    | 98       |
| 85) Di-n-octyl phthalate       | 22.85 | 149  | 888119   | 46.038  | ng    | 97       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.90 | 276  | 709149   | 36.851  | ng    | 97       |
| 88) Benzo(b)fluoranthene       | 24.03 | 252  | 772973   | 45.155  | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 24.10 | 252  | 798239   | 47.596  | ng    | 98       |
| 90) Benzo(a)pyrene             | 24.94 | 252  | 765301   | 47.048  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 28.98 | 278  | 534958   | 35.653  | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 30.11 | 276  | 608593   | 40.092  | ng    | 99       |

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

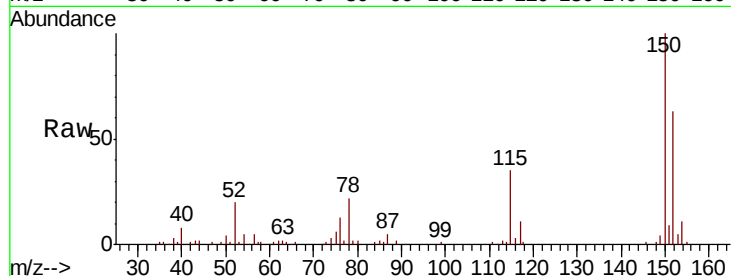




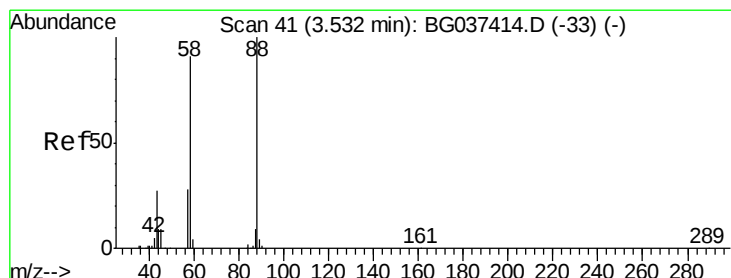
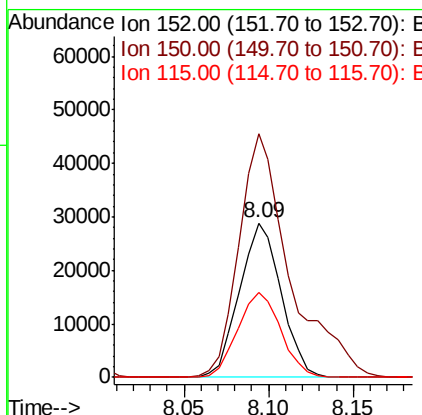
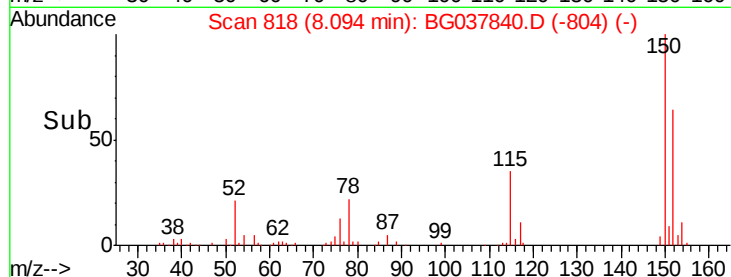
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 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.09 min Scan# 818  
 Delta R.T. -0.01 min  
 Lab File: BG037840.D  
 Acq: 6 Nov 2018 16:08

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:152 Resp: 49549  
 Ion Ratio Lower Upper  
 152 100  
 150 158.0 126.0 189.0  
 115 54.9 45.5 68.3

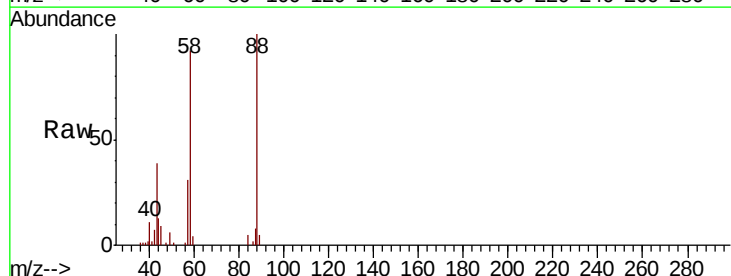


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

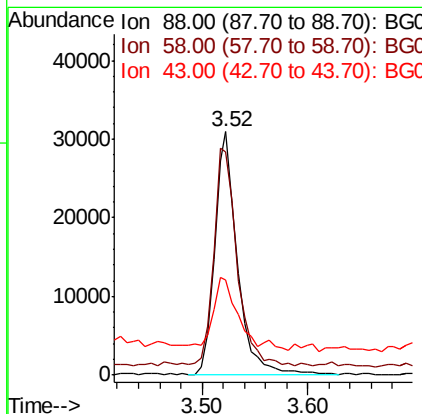
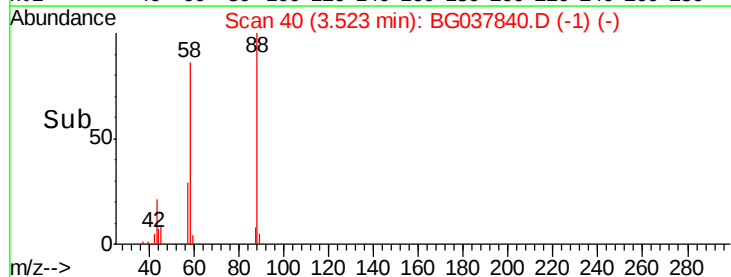


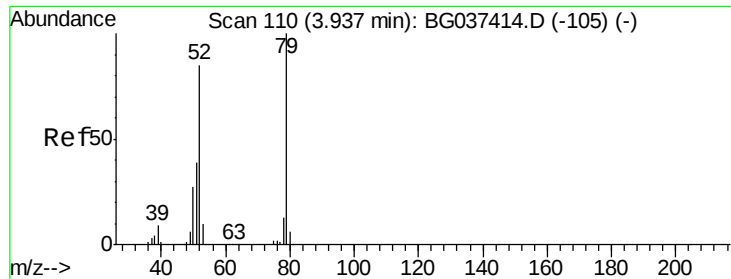
#2  
 1,4-Dioxane  
 Concen: 31.177 ng  
 RT: 3.52 min Scan# 40  
 Delta R.T. -0.01 min  
 Lab File: BG037840.D  
 Acq: 6 Nov 2018 16:08

Tgt Ion: 88 Resp: 46858  
 Ion Ratio Lower Upper  
 88 100  
 58 91.4 74.4 111.6  
 43 29.0 25.8 38.8



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: 36.131 ng

RT: 3.92 min Scan# 108

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

Instrument :

BNA\_G

ClientSampleId :

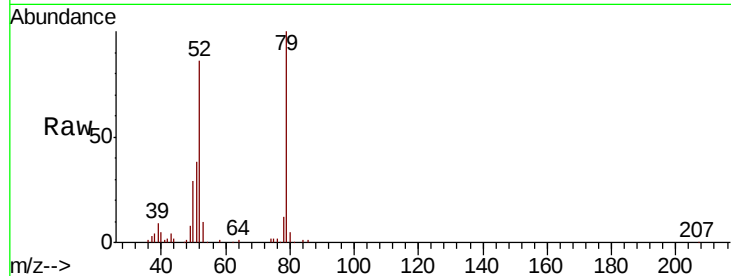
Tot Ion: 79 Resp: 136872

Ion Ratio Lower Upper

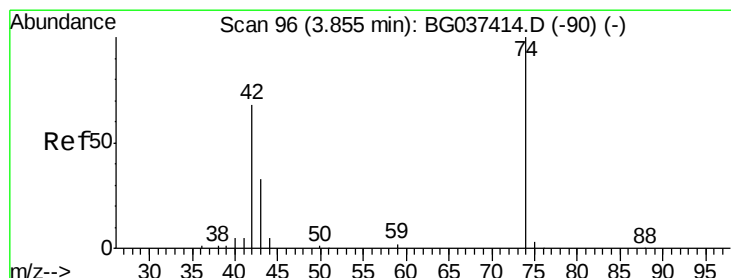
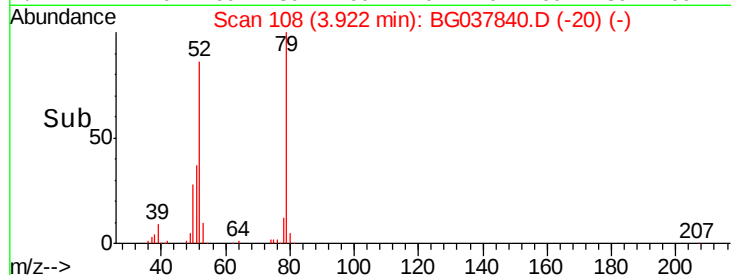
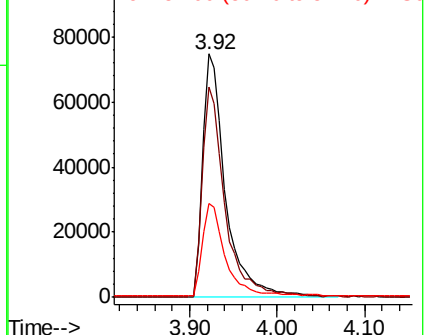
79 100

52 86.3 74.2 111.2

51 38.3 34.6 51.8



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 52.00 (51.70 to 52.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 43.664 ng

RT: 3.85 min Scan# 95

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

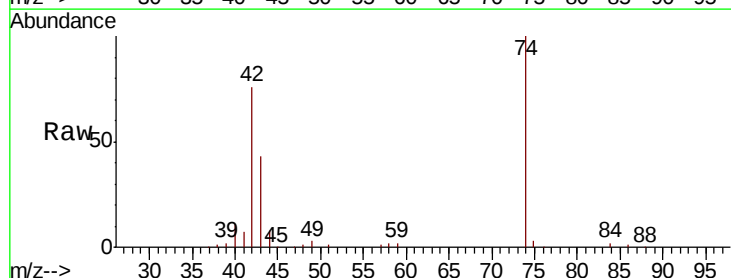
Tgt Ion: 42 Resp: 58915

Ion Ratio Lower Upper

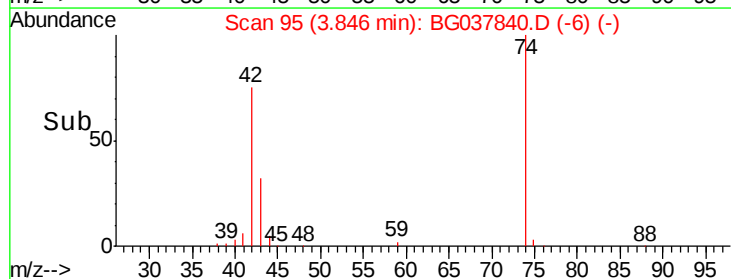
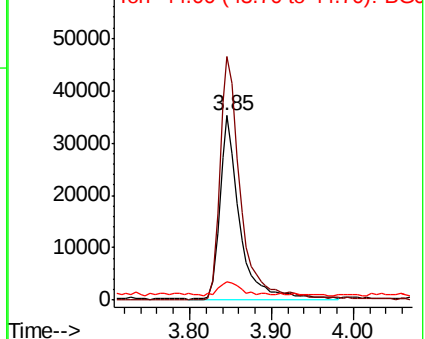
42 100

74 131.9 102.0 153.0

44 10.3 9.6 14.4



Abundance Ion 42.00 (41.70 to 42.70): BGC  
Ion 74.00 (73.70 to 74.70): BGC  
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 165.293 ng

RT: 5.64 min Scan# 400

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

Instrument :

BNA\_G

ClientSampled :

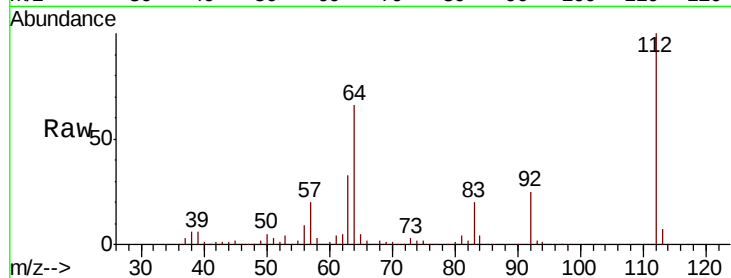
Tot Ion:112 Resp: 489881

Ion Ratio Lower Upper

112 100

64 66.1 53.1 79.7

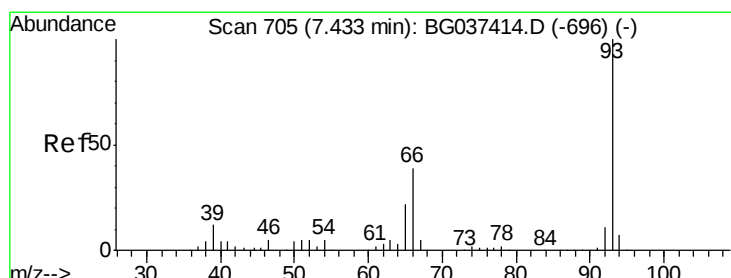
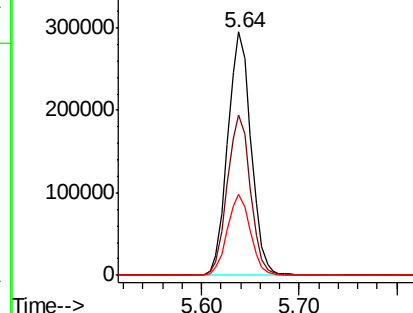
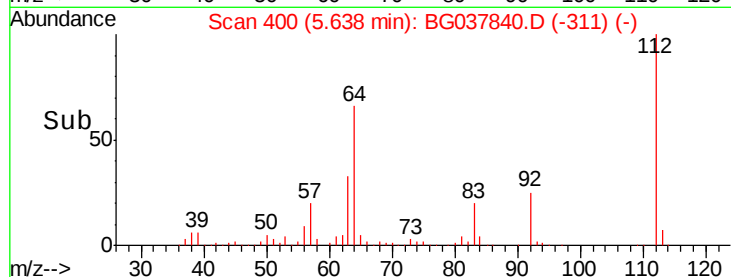
63 33.5 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 31.864 ng

RT: 7.42 min Scan# 703

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

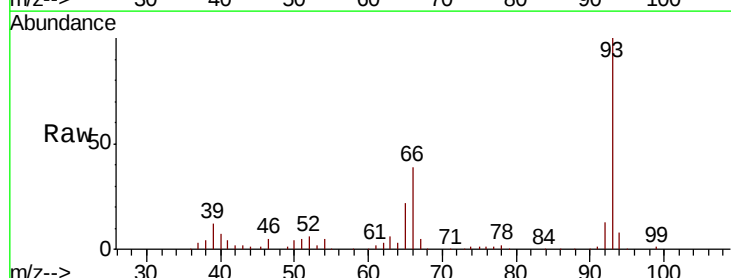
Tgt Ion: 93 Resp: 174207

Ion Ratio Lower Upper

93 100

66 38.6 32.8 49.2

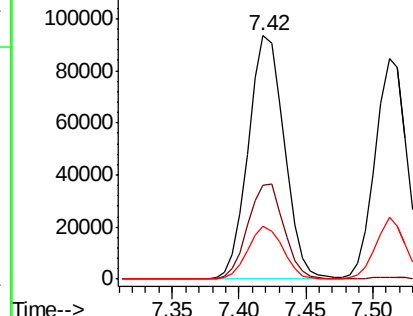
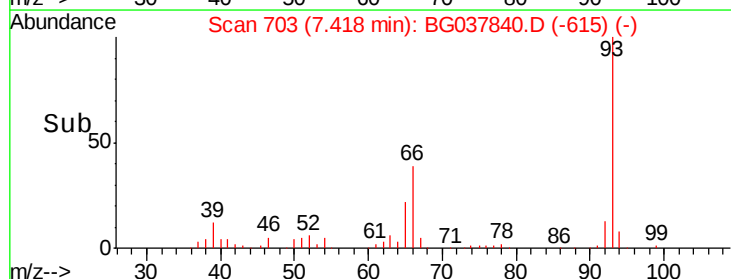
65 21.6 16.4 24.6

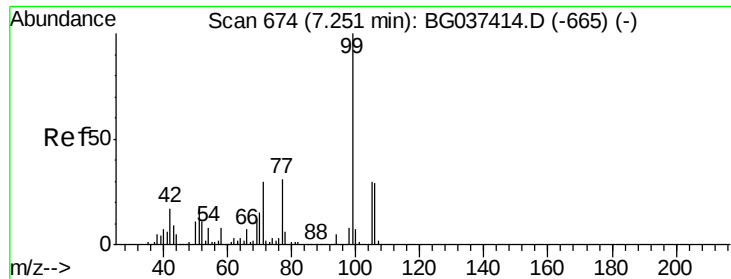


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 153.479 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

Instrument :

BNA\_G

ClientSampled :

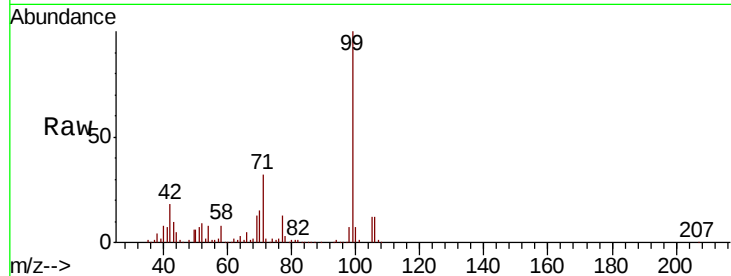
Tot Ion: 99 Resp: 687816

Ion Ratio Lower Upper

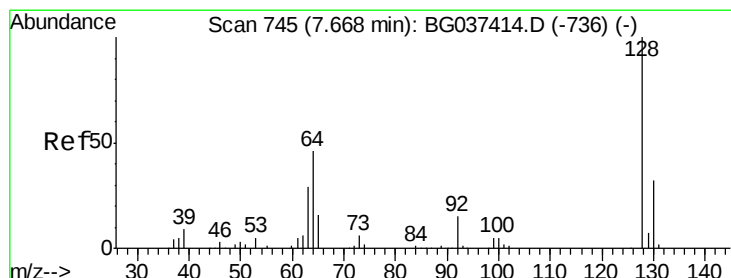
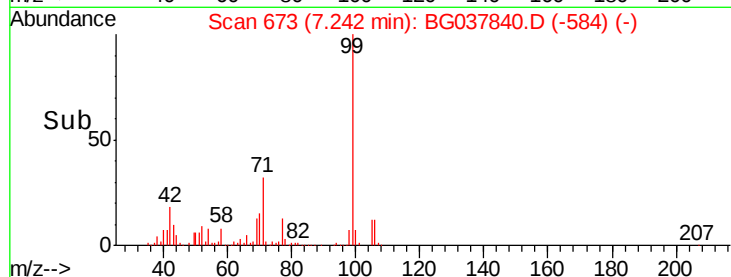
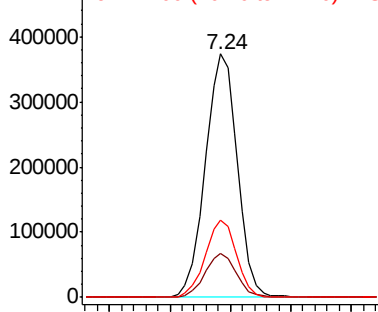
99 100

42 17.8 15.0 22.4

71 31.8 25.5 38.3



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: 43.660 ng

RT: 7.65 min Scan# 743

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

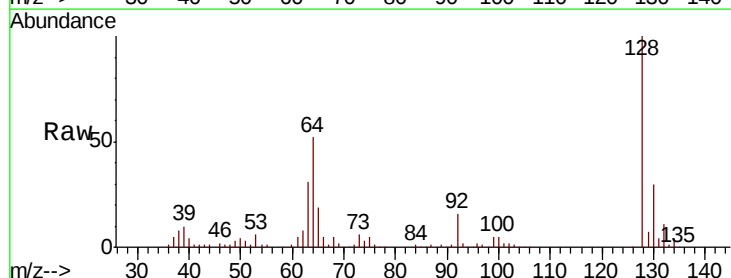
Tgt Ion: 128 Resp: 151375

Ion Ratio Lower Upper

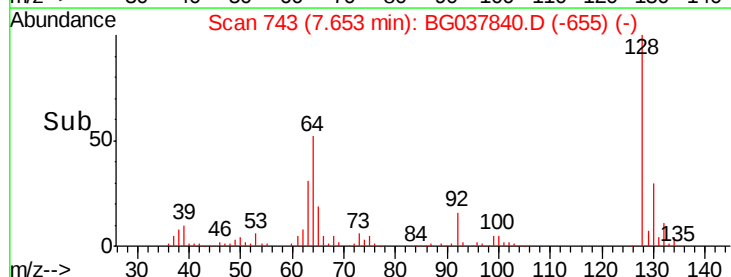
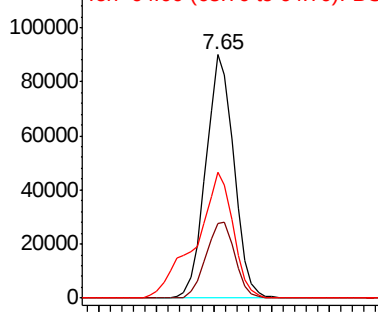
128 100

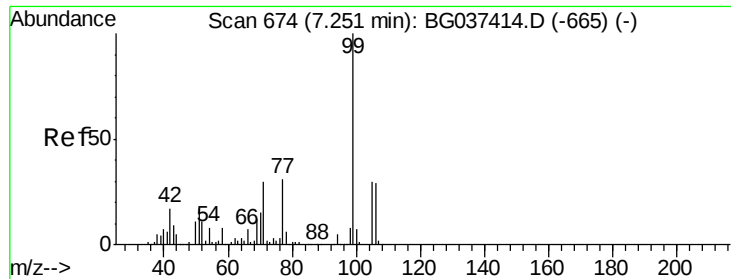
130 30.5 12.0 52.0

64 51.7 32.9 72.9



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: 38.047 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

Instrument :

BNA\_G

ClientSampleId :

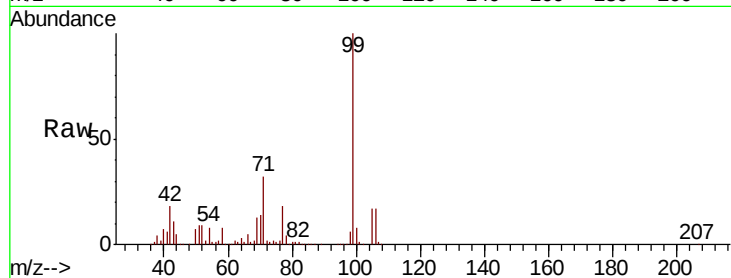
Tot Ion: 77 Resp: 106660

Ion Ratio Lower Upper

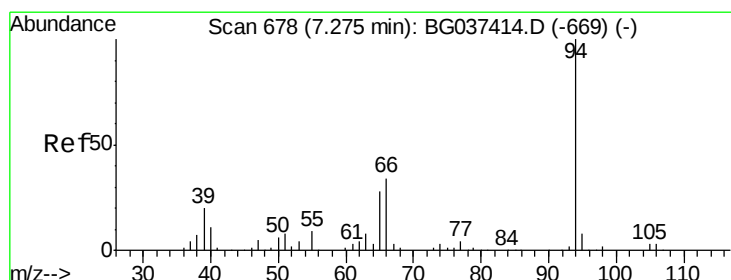
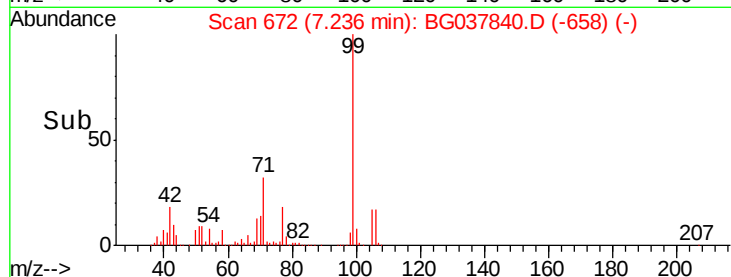
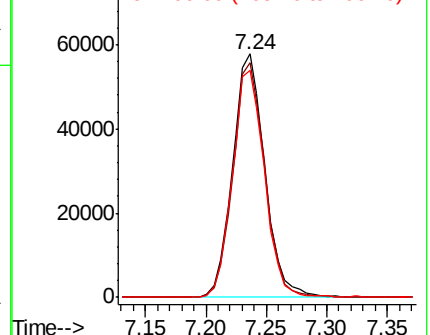
77 100

105 96.3 72.6 112.6

106 93.4 71.3 111.3



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: 42.485 ng

RT: 7.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

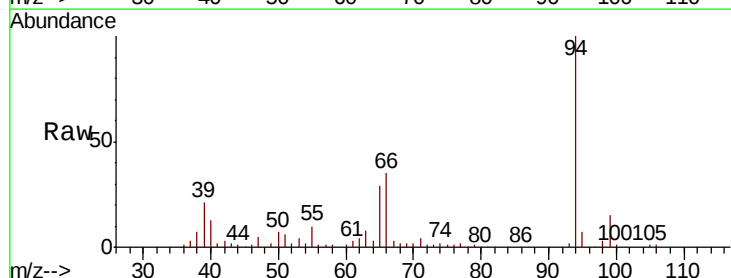
Tgt Ion: 94 Resp: 200888

Ion Ratio Lower Upper

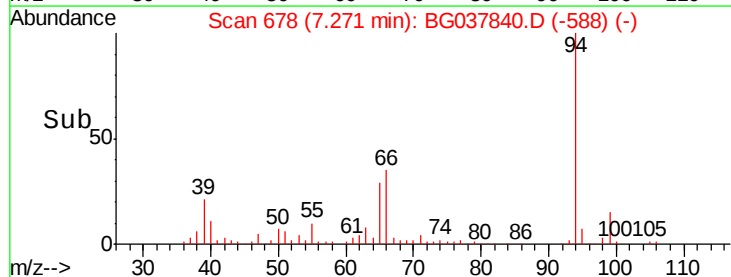
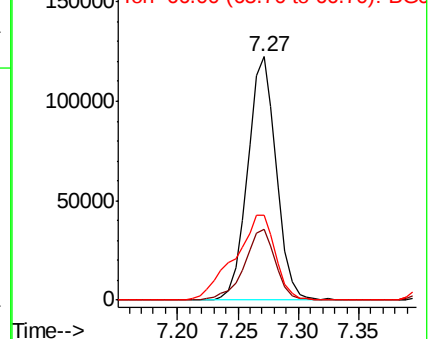
94 100

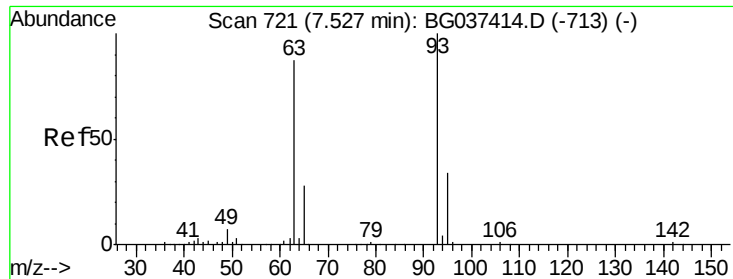
65 29.2 9.7 49.7

66 34.7 15.9 55.9



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

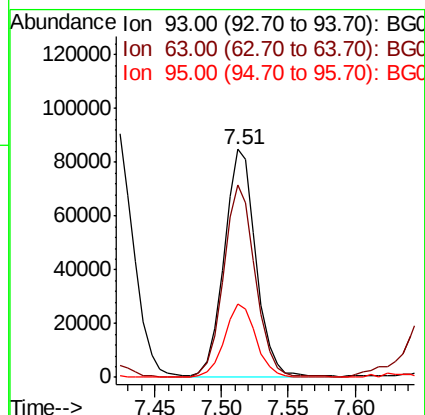
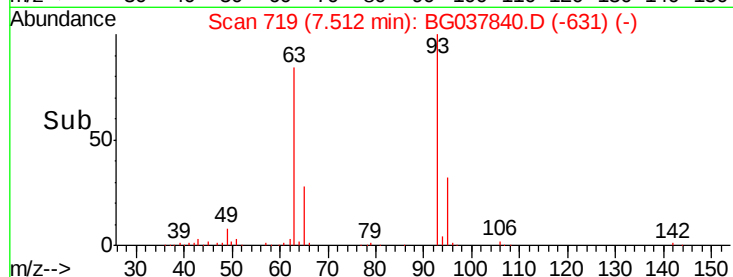
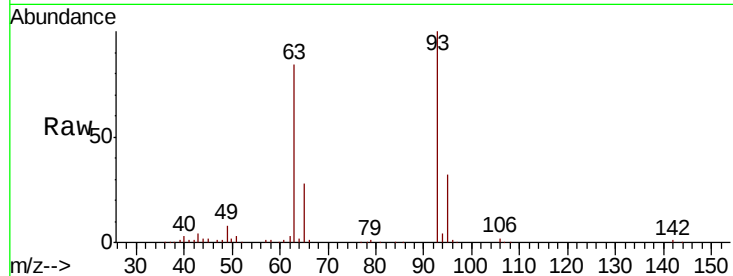




#11  
 bis(2-Chloroethyl)ether  
 Concen: 39.326 ng  
 RT: 7.51 min Scan# 719  
 Delta R.T. -0.01 min  
 Lab File: BG037840.D  
 Acq: 6 Nov 2018 16:08

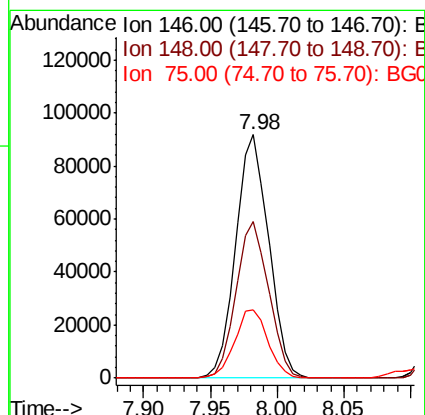
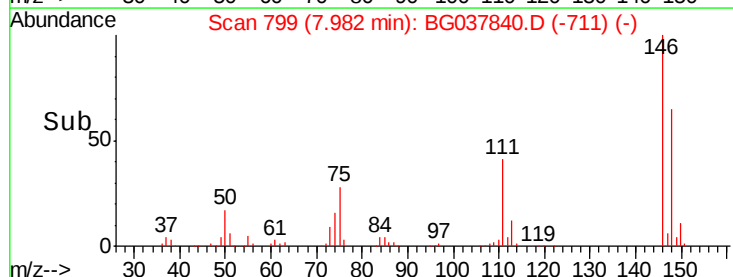
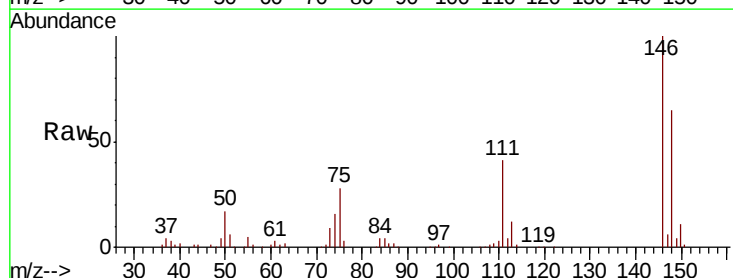
Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion: 93 Resp: 141231  
 Ion Ratio Lower Upper  
 93 100  
 63 84.5 69.5 109.5  
 95 32.5 12.6 52.6



#12  
 1,3-Dichlorobenzene  
 Concen: 40.715 ng  
 RT: 7.98 min Scan# 799  
 Delta R.T. -0.01 min  
 Lab File: BG037840.D  
 Acq: 6 Nov 2018 16:08

Tgt Ion: 146 Resp: 157152  
 Ion Ratio Lower Upper  
 146 100  
 148 64.6 49.8 74.8  
 75 28.2 23.2 34.8

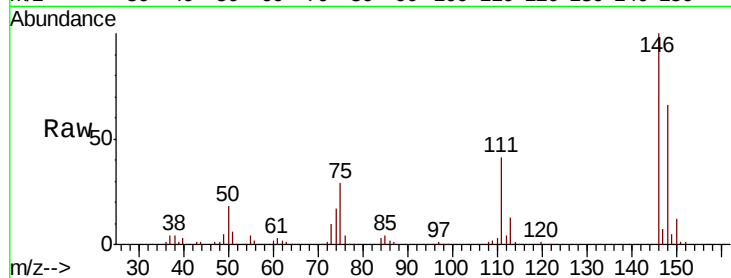




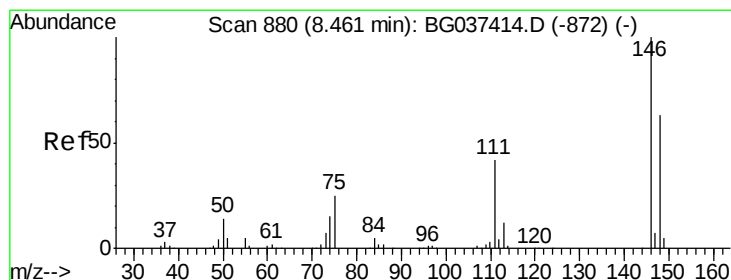
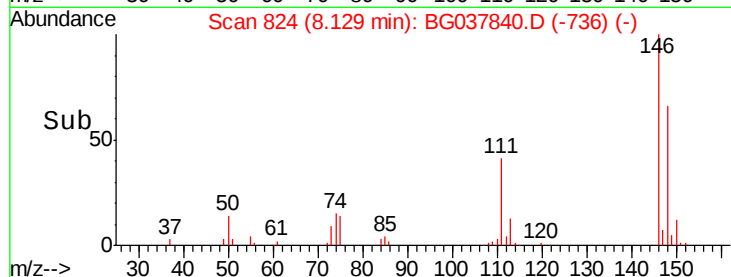
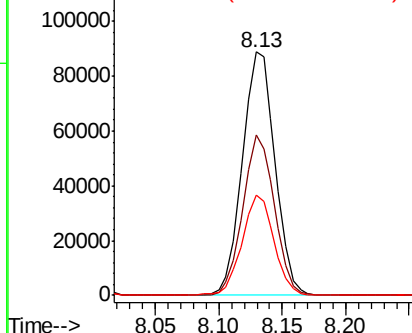
#13  
 1,4-Dichlorobenzene  
 Concen: 40.291 ng  
 RT: 8.13 min Scan# 824  
 Delta R.T. -0.01 min  
 Lab File: BG037840.D  
 Acq: 6 Nov 2018 16:08

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:146 Resp: 159080  
 Ion Ratio Lower Upper  
 146 100  
 148 65.7 51.0 76.6  
 111 41.1 32.4 48.6

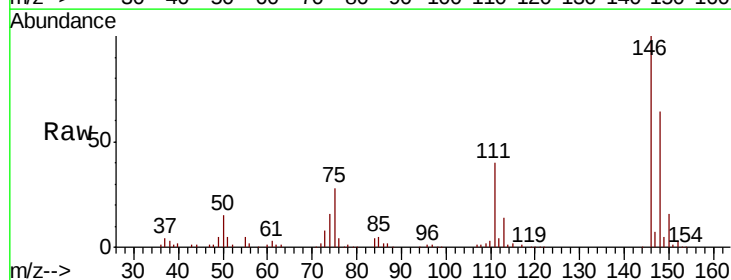


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

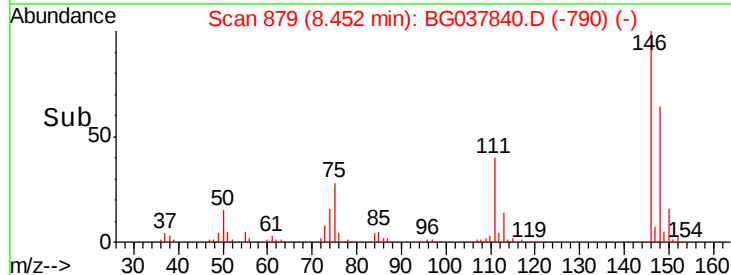
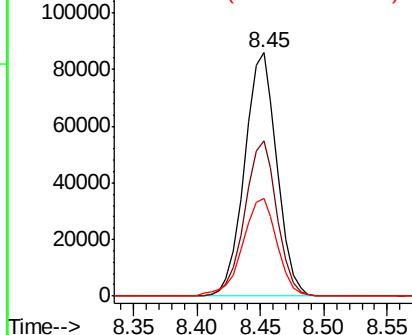


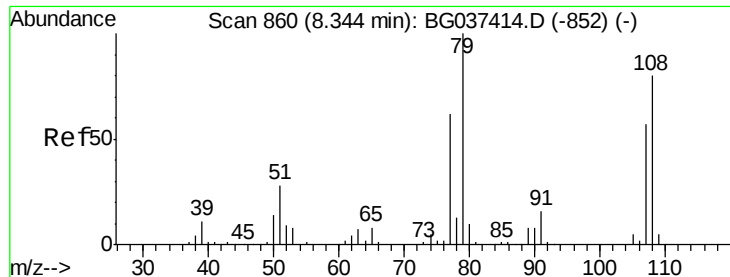
#14  
 1,2-Dichlorobenzene  
 Concen: 39.944 ng  
 RT: 8.45 min Scan# 879  
 Delta R.T. -0.01 min  
 Lab File: BG037840.D  
 Acq: 6 Nov 2018 16:08

Tgt Ion:146 Resp: 151706  
 Ion Ratio Lower Upper  
 146 100  
 148 63.5 50.4 75.6  
 111 40.4 34.6 51.8



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





#15

Benzyl Alcohol

Concen: 39.666 ng

RT: 8.33 min Scan# 859

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

Instrument :

BNA\_G

ClientSampled :

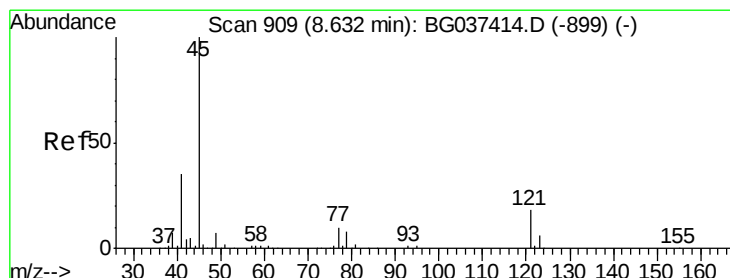
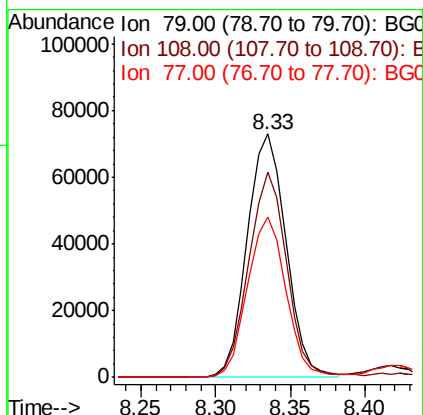
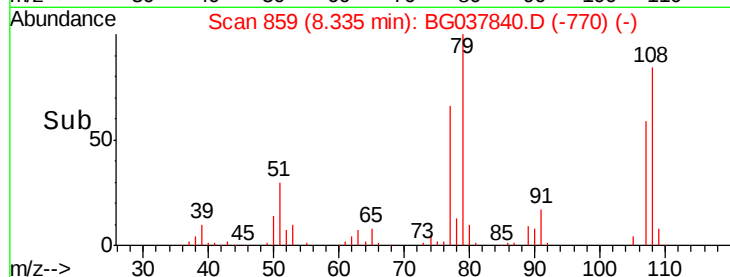
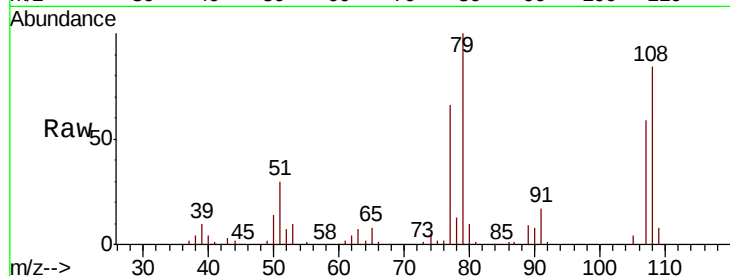
Tot Ion: 79 Resp: 131348

Ion Ratio Lower Upper

79 100

108 84.1 65.8 98.8

77 65.7 52.9 79.3



#16

2,2'-oxybis(1-chloropropane)

Concen: 39.601 ng

RT: 8.62 min Scan# 907

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

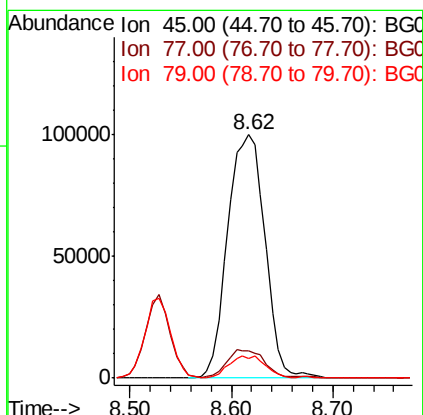
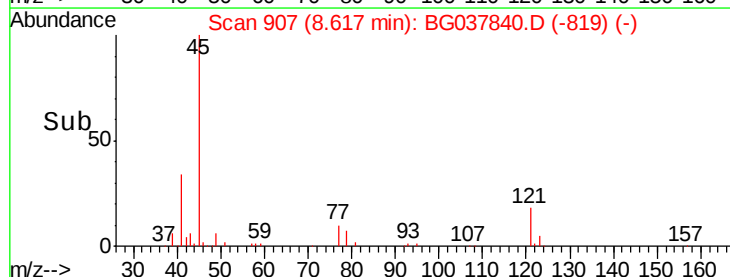
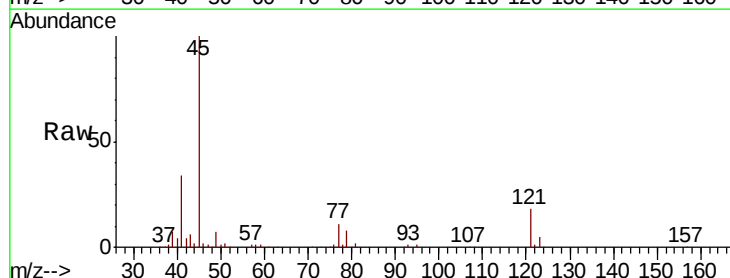
Tgt Ion: 45 Resp: 254471

Ion Ratio Lower Upper

45 100

77 11.4 0.0 30.0

79 8.3 0.0 29.0

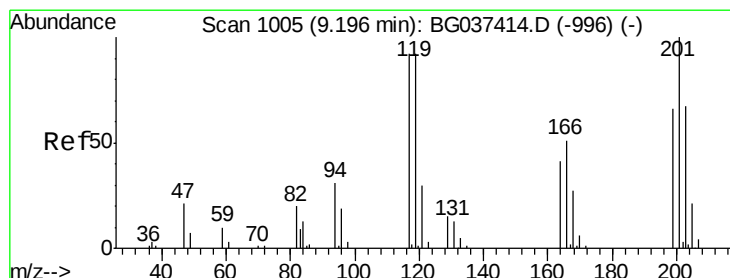
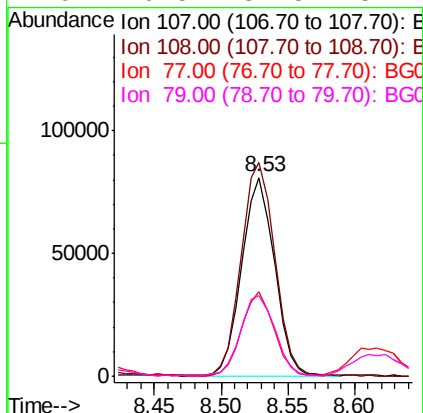
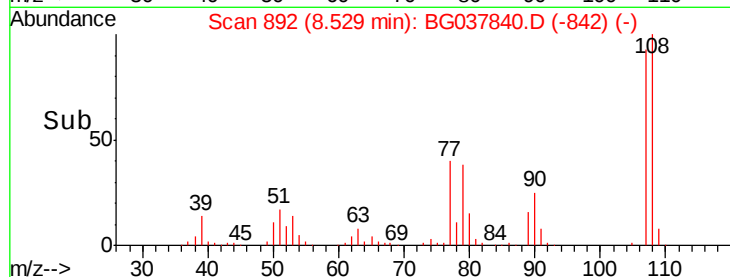
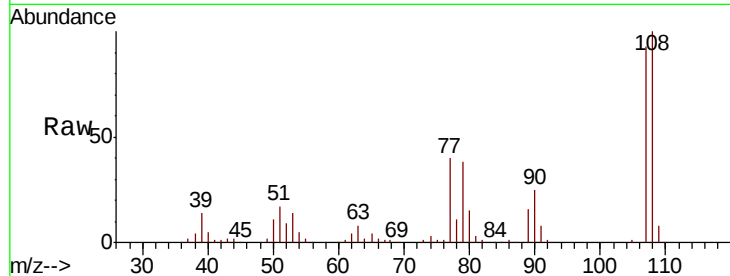




#17  
2-Methylphenol  
Concen: 43.930 ng  
RT: 8.53 min Scan# 892  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

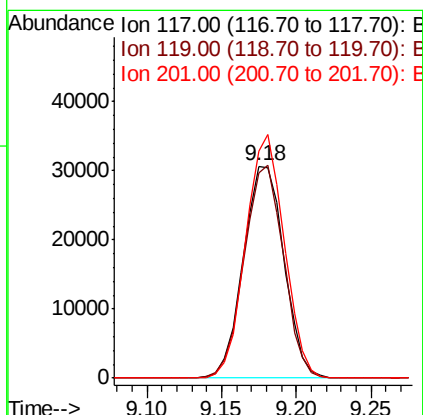
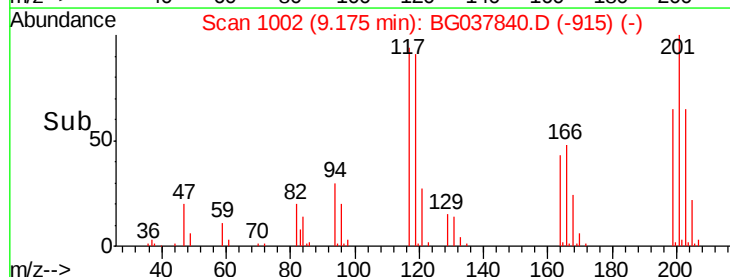
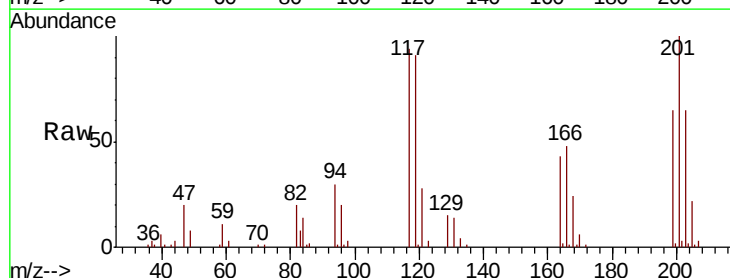
Instrument :  
BNA\_G  
ClientSampled :

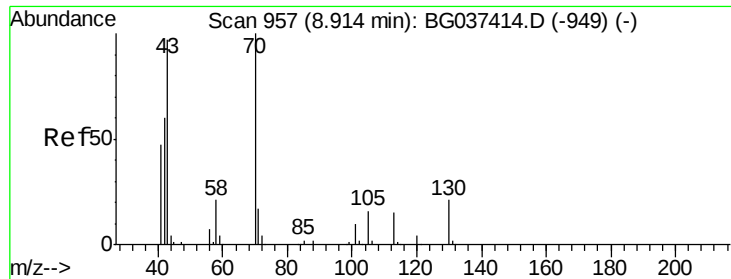
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 137329 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 107.5 | 87.9  | 131.9  |
| 77       | 42.6  | 35.1  | 52.7   |
| 79       | 40.5  | 34.5  | 51.7   |



#18  
Hexachloroethane  
Concen: 42.846 ng  
RT: 9.18 min Scan# 1002  
Delta R.T. -0.02 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 57672 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 96.8  | 74.6  | 111.8 |
| 201      | 110.0 | 80.8  | 121.2 |

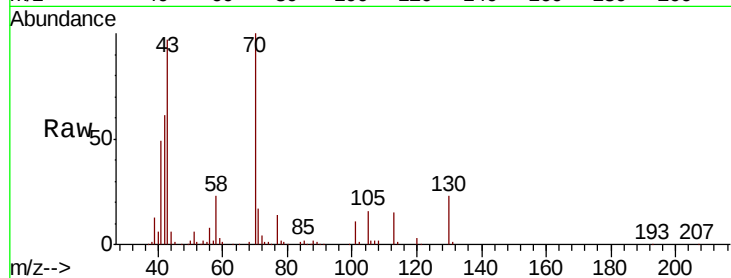




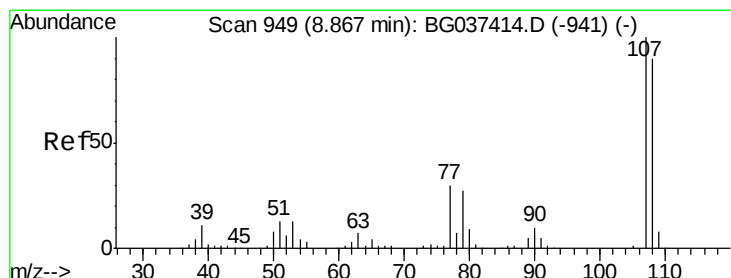
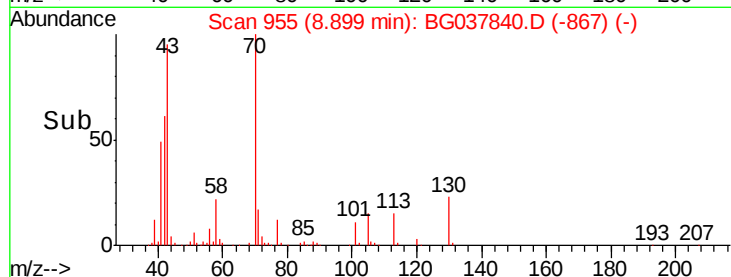
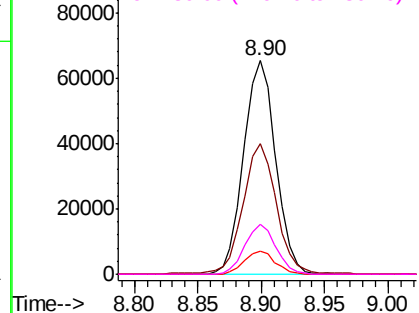
#19  
n-Nitroso-di-n-propylamine  
Concen: 37.193 ng  
RT: 8.90 min Scan# 955  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

Instrument :  
BNA\_G  
ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 114778 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 61.3  | 53.9  | 80.9   |
| 101      | 11.0  | 8.2   | 12.2   |
| 130      | 23.3  | 18.2  | 27.4   |

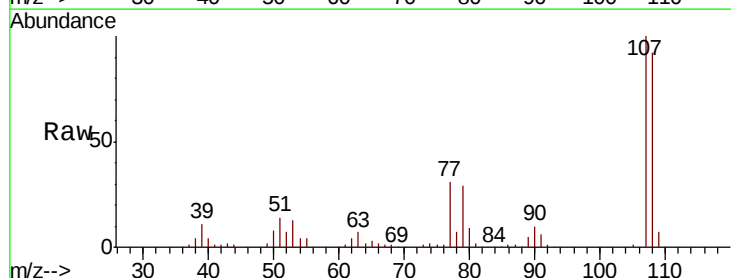


Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

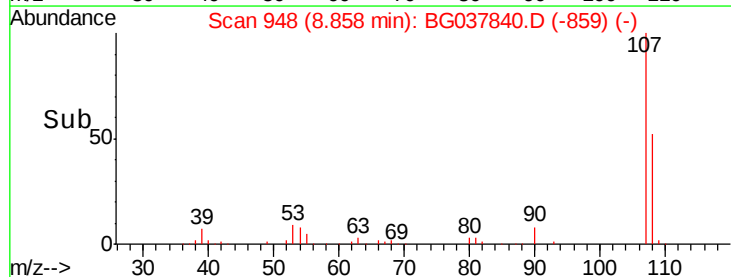
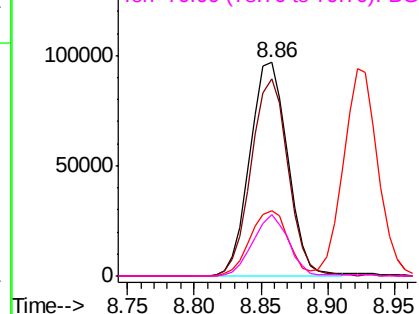


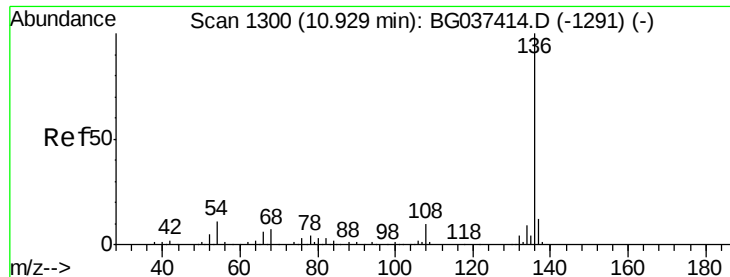
#20  
3+4-Methylphenols  
Concen: 42.653 ng  
RT: 8.86 min Scan# 948  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 190635 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 92.2  | 69.9  | 109.9  |
| 77       | 30.8  | 11.2  | 51.2   |
| 79       | 28.9  | 6.6   | 46.6   |



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

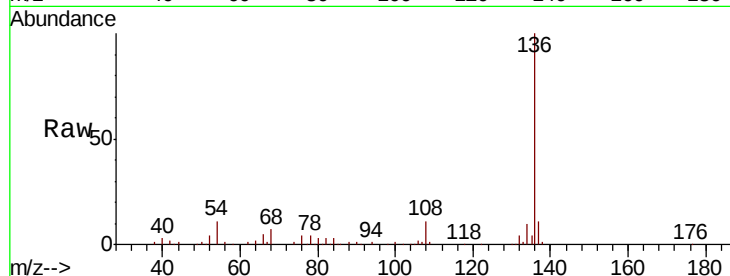




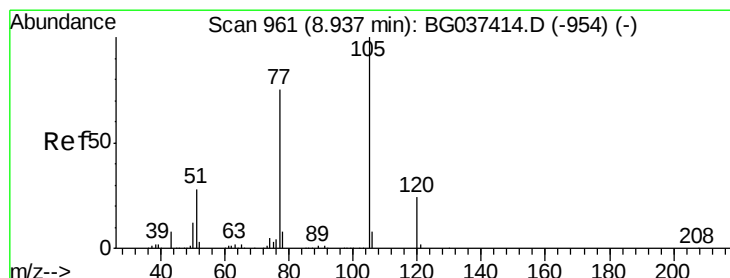
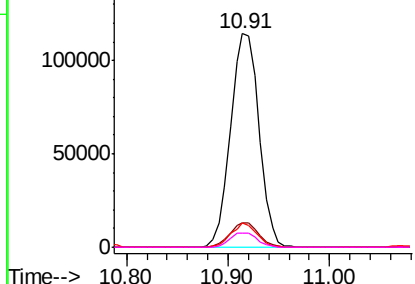
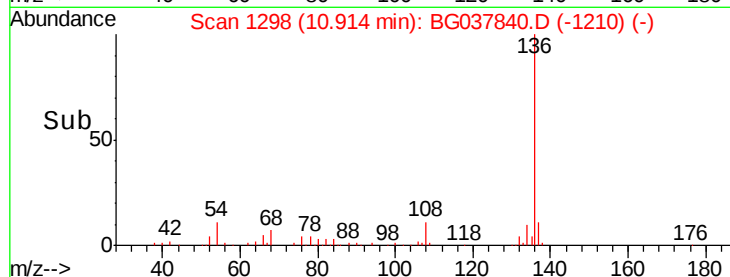
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.91 min Scan# 1298  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 222376      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.4  | 9.6 14.4    |
| 54          | 11.2  | 7.9 11.9    |
| 68          | 6.6   | 4.8 7.2     |

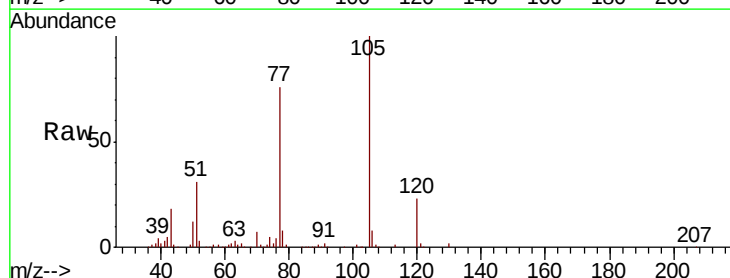


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

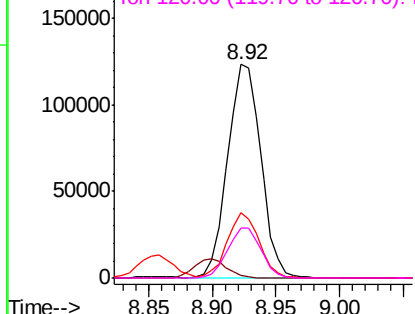
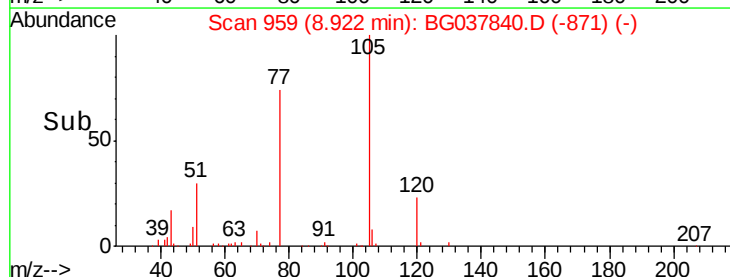


#22  
Acetophenone  
Concen: 39.892 ng  
RT: 8.92 min Scan# 959  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:105 | Resp: | 222482      |
| Ion         | Ratio | Lower Upper |
| 105         | 100   |             |
| 71          | 1.2   | 1.2 1.8#    |
| 51          | 30.9  | 25.0 37.6   |
| 120         | 23.2  | 18.6 28.0   |



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

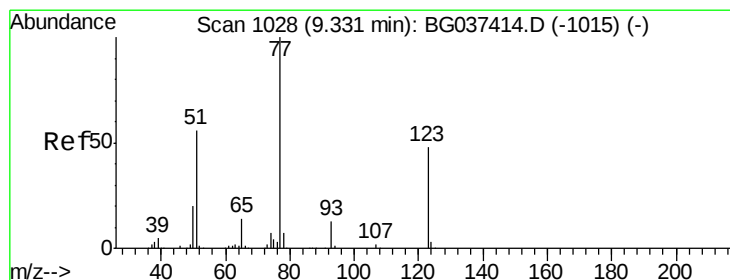
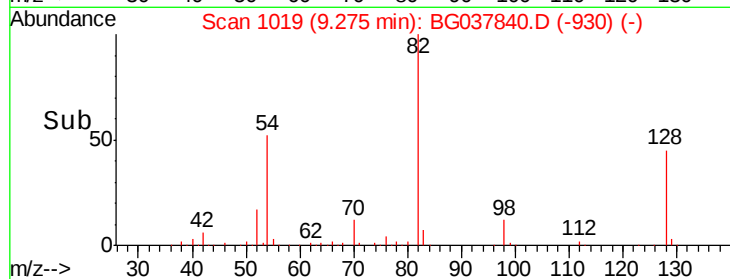
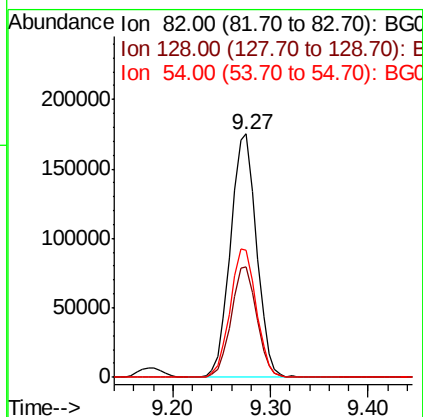
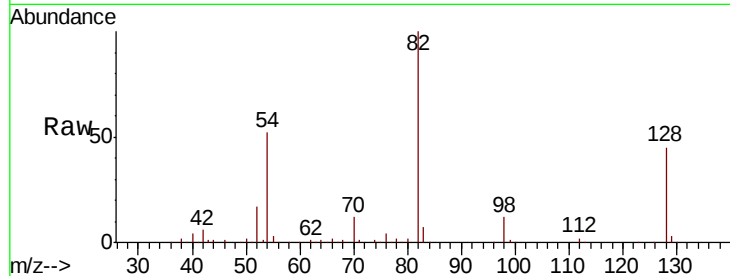




#23  
 Nitrobenzene-d5  
 Concen: 81.990 ng  
 RT: 9.27 min Scan# 1019  
 Delta R.T. -0.01 min  
 Lab File: BG037840.D  
 Acq: 6 Nov 2018 16:08

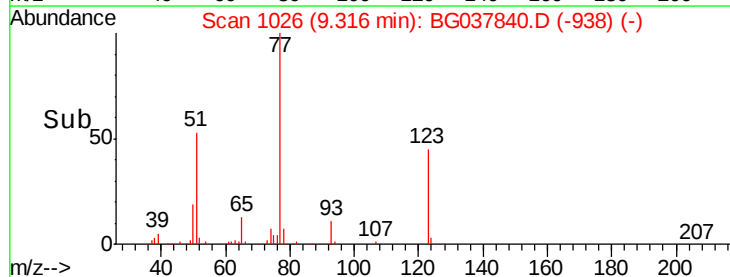
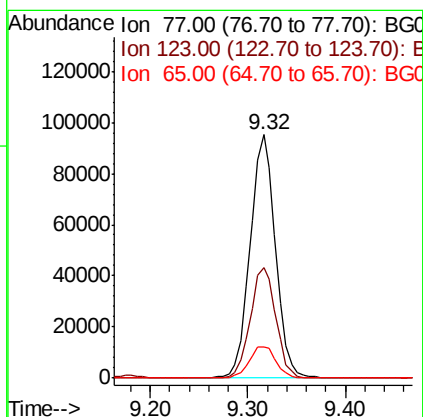
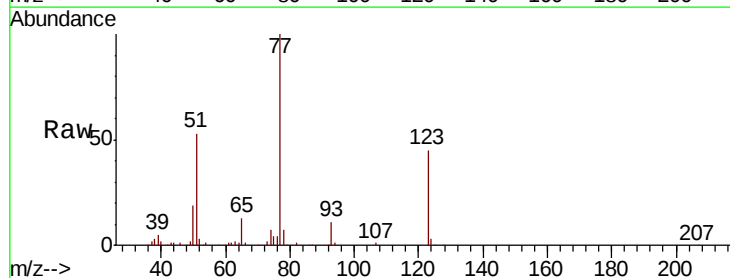
Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion: 82 Resp: 325473  
 Ion Ratio Lower Upper  
 82 100  
 128 45.3 34.6 51.8  
 54 52.1 45.3 67.9



#24  
 Nitrobenzene  
 Concen: 42.130 ng  
 RT: 9.32 min Scan# 1026  
 Delta R.T. -0.01 min  
 Lab File: BG037840.D  
 Acq: 6 Nov 2018 16:08

Tgt Ion: 77 Resp: 173738  
 Ion Ratio Lower Upper  
 77 100  
 123 45.2 33.6 50.4  
 65 13.1 11.3 16.9

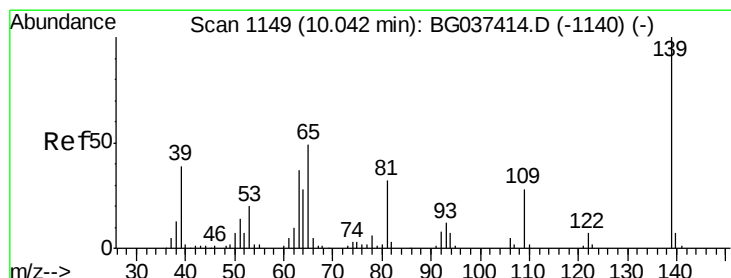
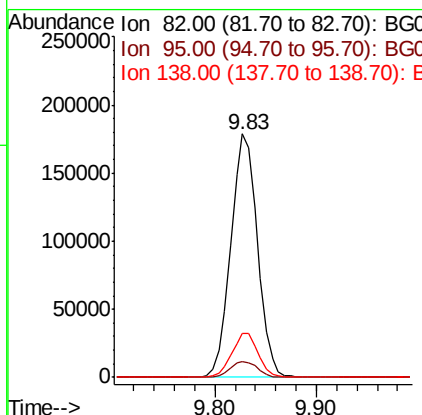
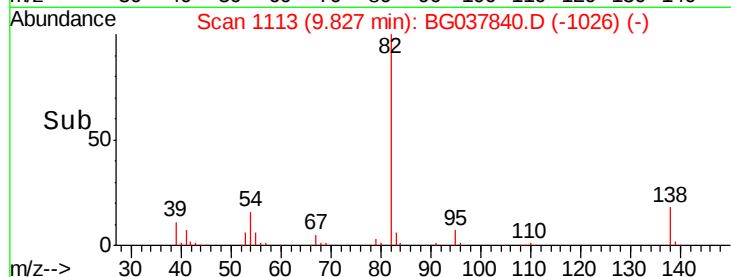
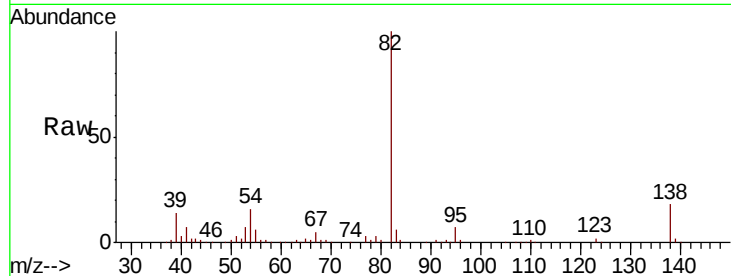




#25  
Isophorone  
Concen: 44.818 ng  
RT: 9.83 min Scan# 1113  
Delta R.T. -0.02 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

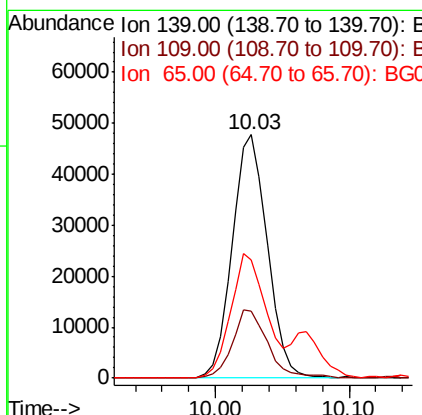
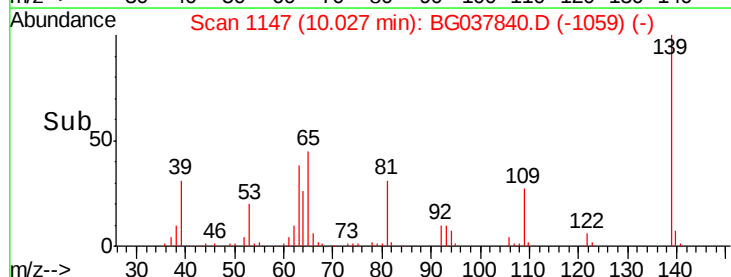
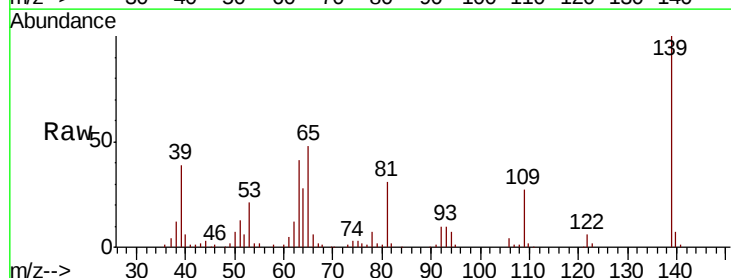
Instrument :  
BNA\_G  
ClientSampleId :

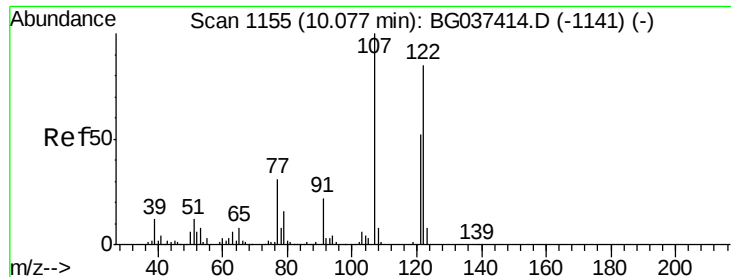
Tot Ion: 82 Resp: 325077  
Ion Ratio Lower Upper  
82 100  
95 6.7 5.3 7.9  
138 17.9 13.3 19.9



#26  
2-Nitrophenol  
Concen: 46.706 ng  
RT: 10.03 min Scan# 1147  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

Tgt Ion: 139 Resp: 86769  
Ion Ratio Lower Upper  
139 100  
109 27.5 23.3 34.9  
65 48.4 39.8 59.8

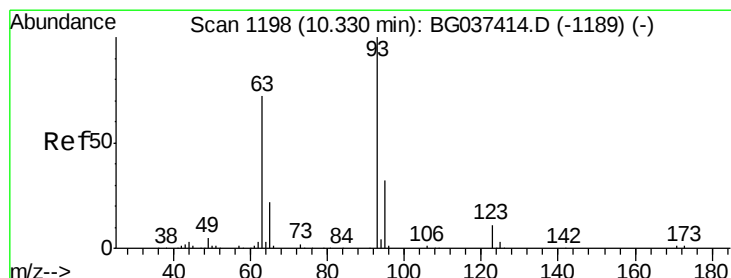
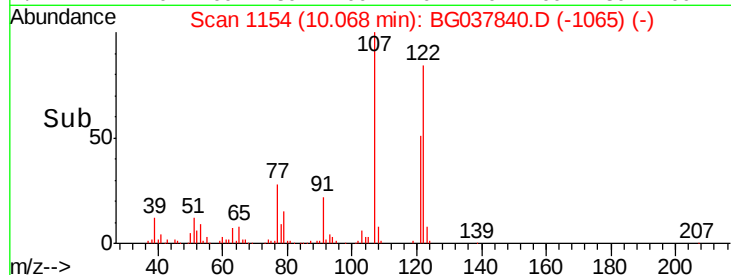
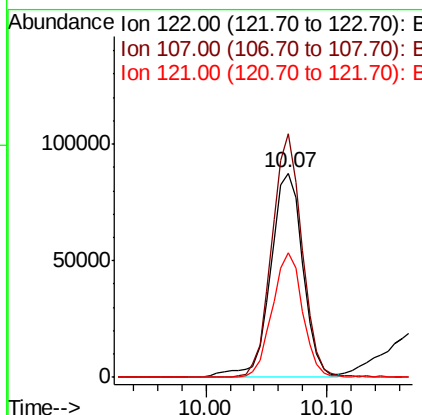
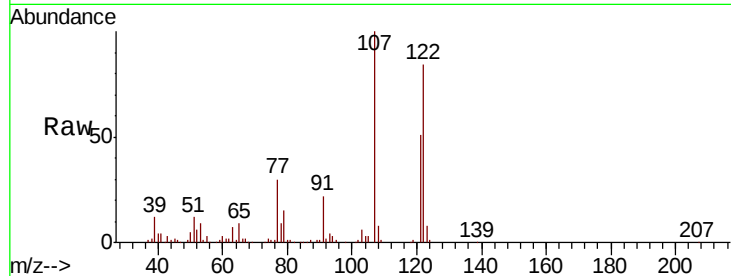




#27  
 2,4-Dimethylphenol  
 Concen: 48.764 ng  
 RT: 10.07 min Scan# 1154  
 Delta R.T. -0.01 min  
 Lab File: BG037840.D  
 Acq: 6 Nov 2018 16:08

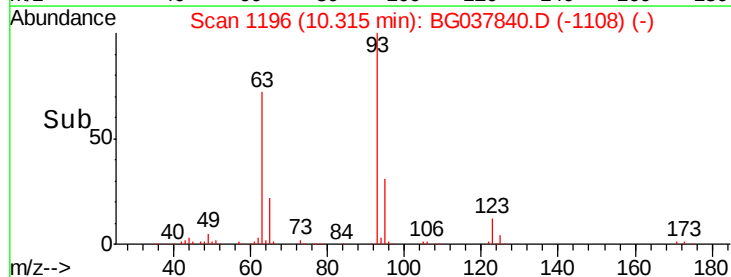
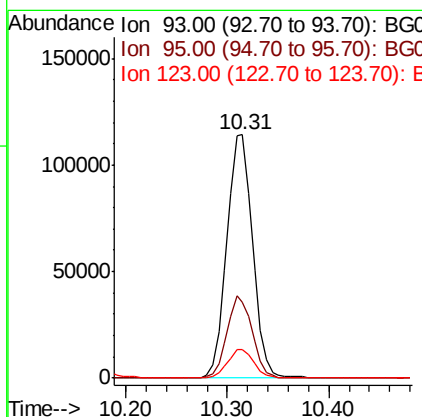
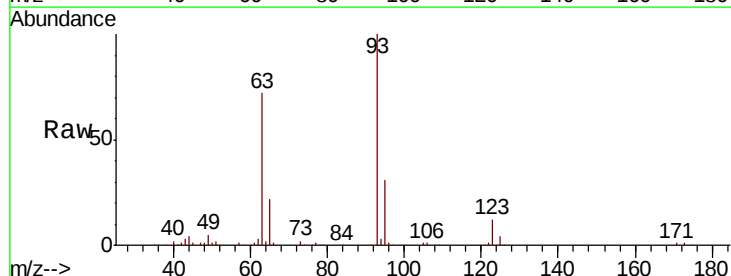
Instrument :  
 BNA\_G  
 ClientSampled :

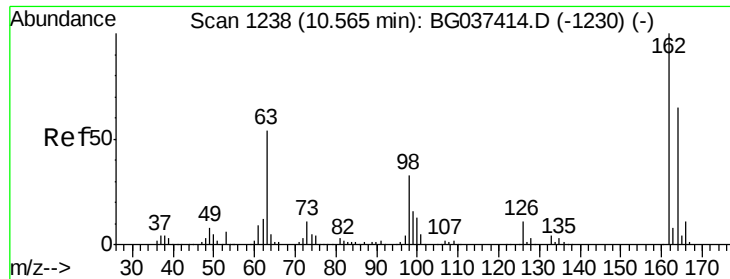
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 119.3 | 94.2  | 141.2 |
| 121     | 60.8  | 47.3  | 70.9  |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 42.545 ng  
 RT: 10.31 min Scan# 1196  
 Delta R.T. -0.01 min  
 Lab File: BG037840.D  
 Acq: 6 Nov 2018 16:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 31.4  | 24.6  | 37.0  |
| 123     | 11.8  | 9.1   | 13.7  |

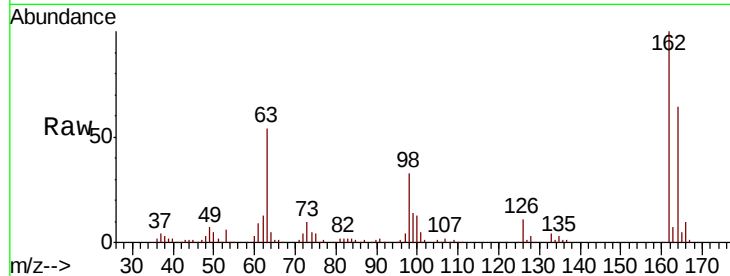




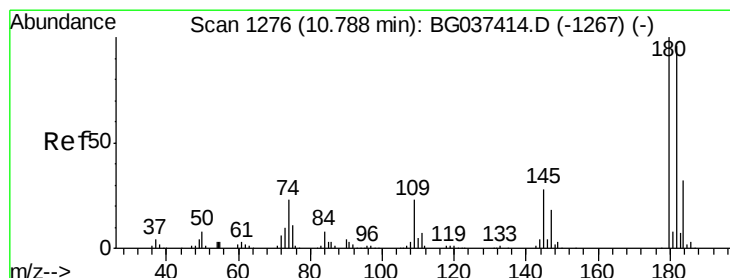
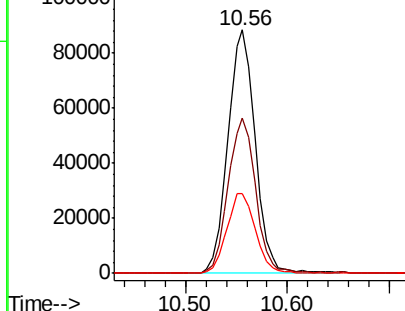
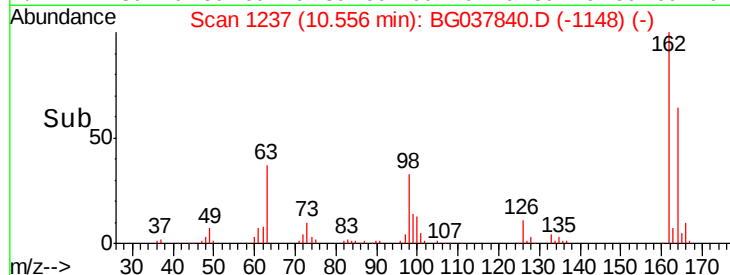
#29  
 2,4-Dichlorophenol  
 Concen: 44.805 ng  
 RT: 10.56 min Scan# 1237  
 Delta R.T. -0.01 min  
 Lab File: BG037840.D  
 Acq: 6 Nov 2018 16:08

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.6  | 43.2  | 83.2  |
| 98      | 32.9  | 16.0  | 56.0  |

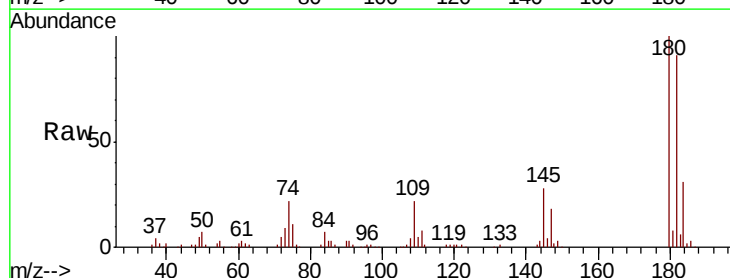


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): B

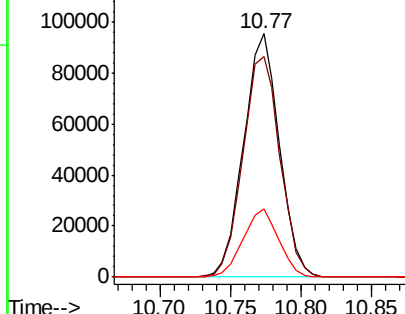
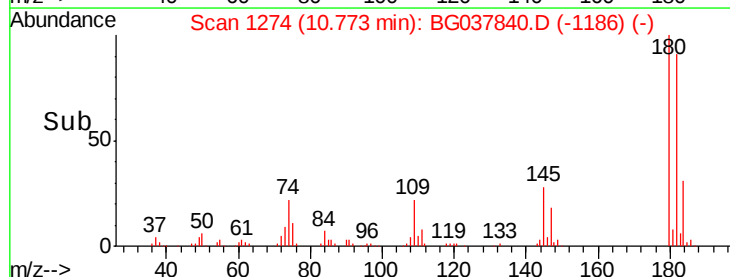


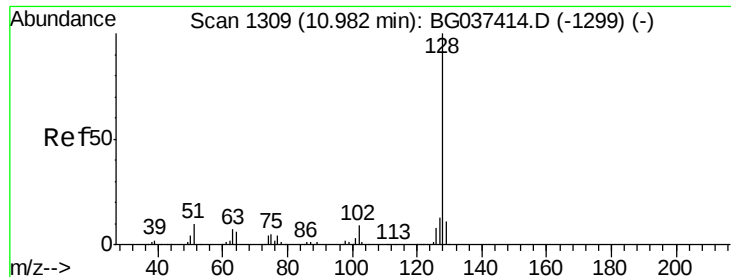
#30  
 1,2,4-Trichlorobenzene  
 Concen: 42.043 ng  
 RT: 10.77 min Scan# 1274  
 Delta R.T. -0.01 min  
 Lab File: BG037840.D  
 Acq: 6 Nov 2018 16:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 90.7  | 77.7  | 116.5 |
| 145     | 28.1  | 23.3  | 34.9  |



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

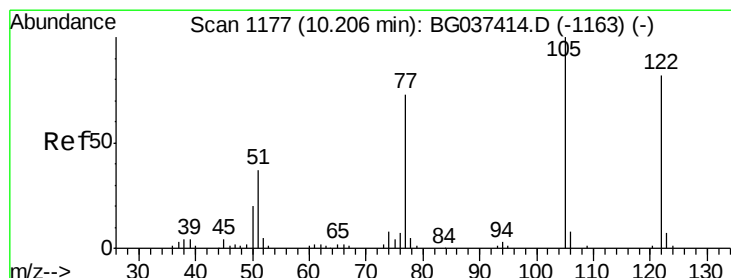
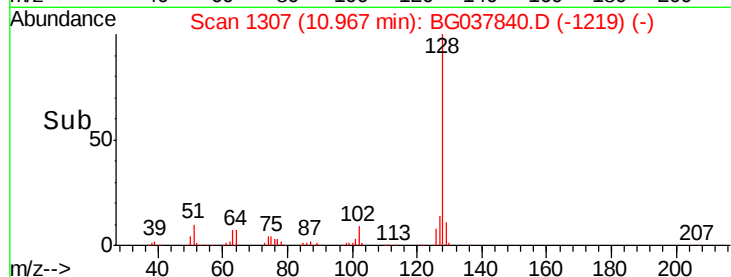
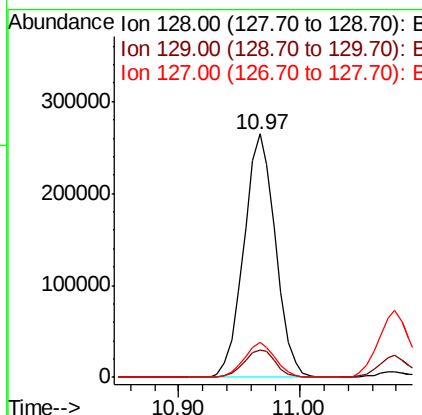
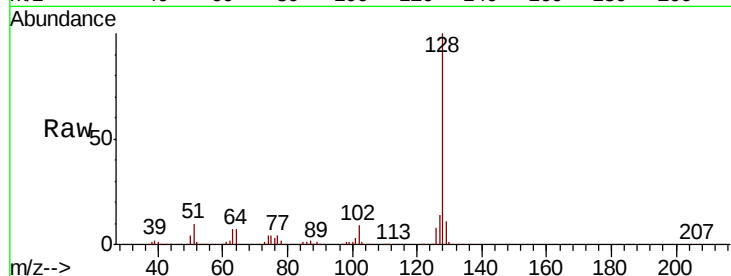




#31  
Naphthalene  
Concen: 44.135 ng  
RT: 10.97 min Scan# 1307  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

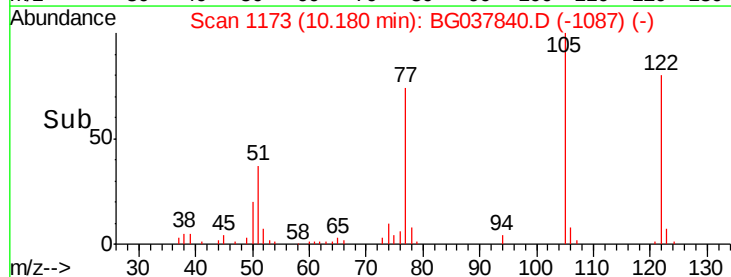
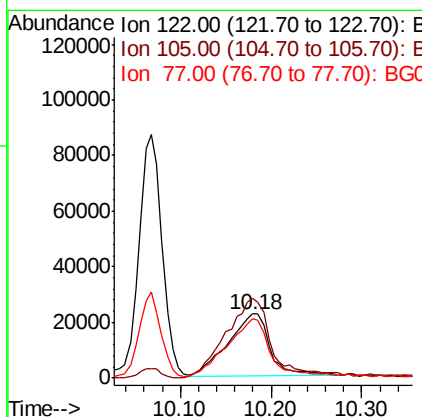
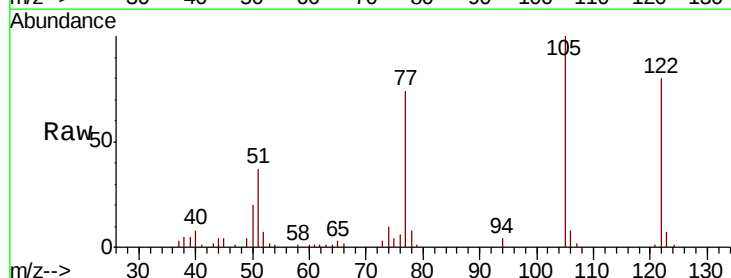
Instrument :  
BNA\_G  
ClientSampleId :

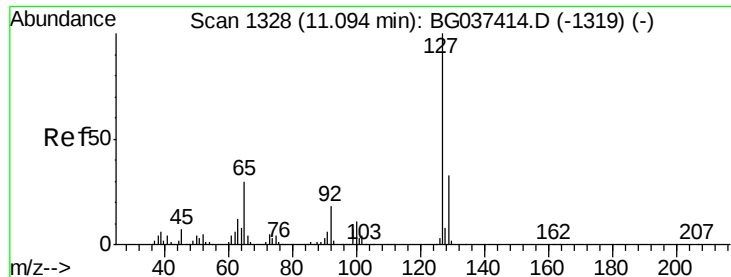
Tot Ion:128 Resp: 482067  
Ion Ratio Lower Upper  
128 100  
129 11.1 9.0 13.6  
127 14.2 11.1 16.7



#32  
Benzoic acid  
Concen: 33.775 ng  
RT: 10.18 min Scan# 1173  
Delta R.T. -0.03 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

Tgt Ion:122 Resp: 72765  
Ion Ratio Lower Upper  
122 100  
105 125.2 106.7 146.7  
77 93.1 72.2 112.2

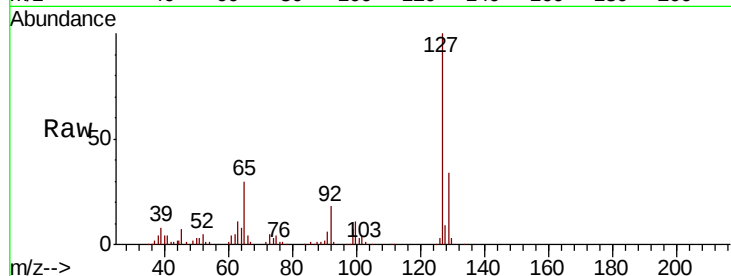




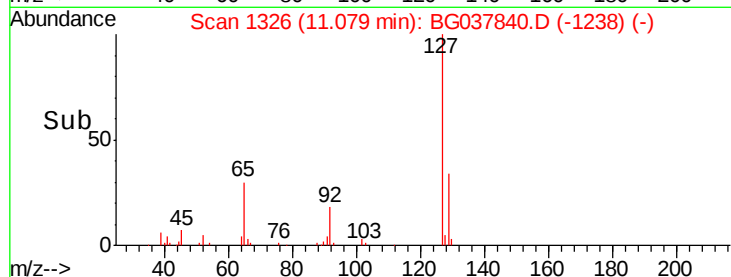
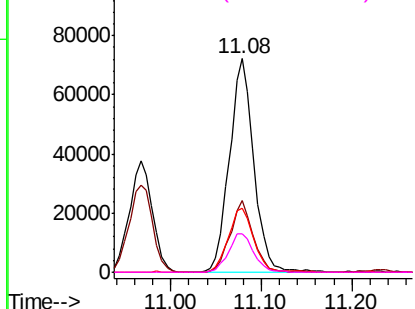
#33  
4-Chloroaniline  
Concen: 26.322 ng  
RT: 11.08 min Scan# 1326  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 135088 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.6  | 27.1  | 40.7   |
| 65       | 29.9  | 26.6  | 39.8   |
| 92       | 18.1  | 16.4  | 24.6   |

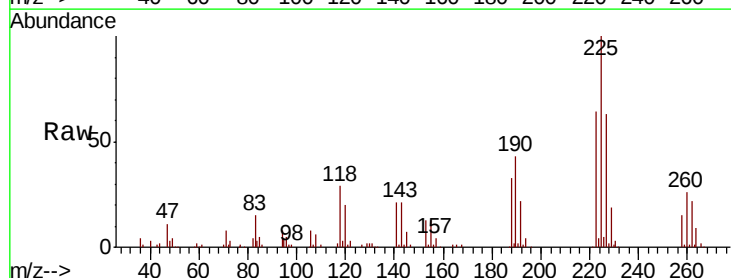


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BG  
Ion 92.00 (91.70 to 92.70): BG

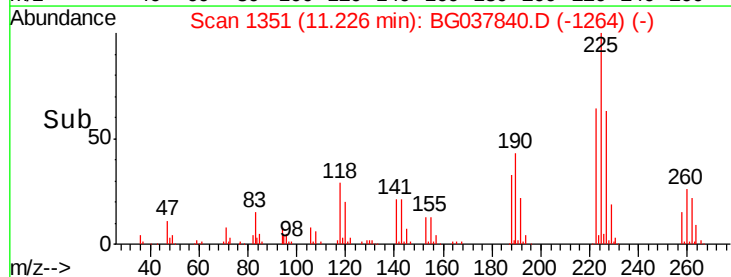
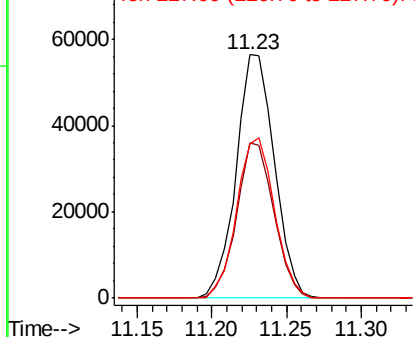


#34  
Hexachlorobutadiene  
Concen: 42.134 ng  
RT: 11.23 min Scan# 1351  
Delta R.T. -0.02 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 100292 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 65.2  | 48.2  | 72.4   |
| 227      | 62.8  | 51.6  | 77.4   |



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: 38.590 ng

RT: 11.85 min Scan# 1458

Delta R.T. -0.03 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

Instrument :

BNA\_G

ClientSampleId :

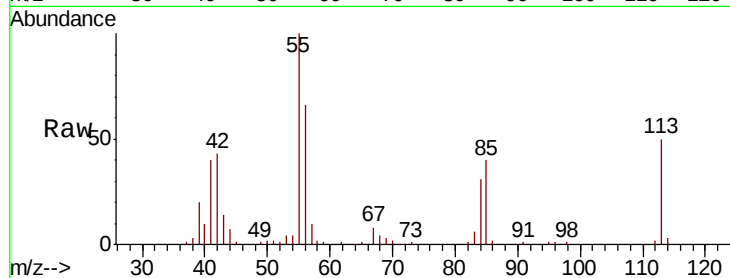
Tot Ion:113 Resp: 57159

Ion Ratio Lower Upper

113 100

55 199.3 176.6 216.6

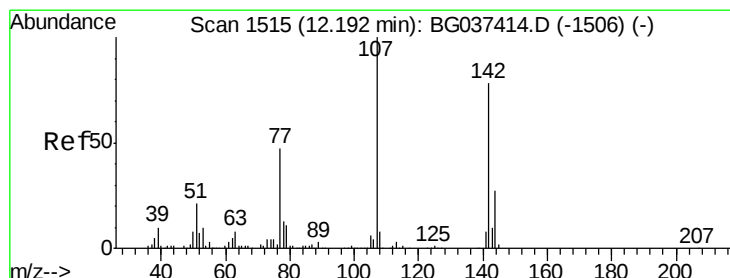
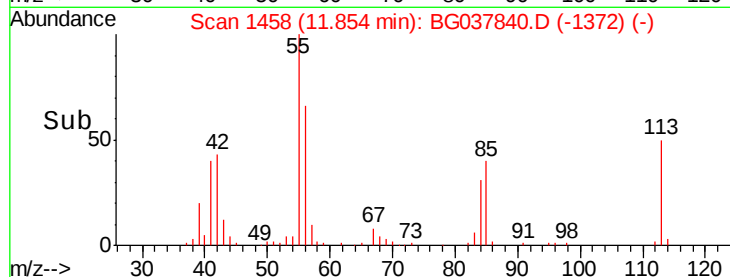
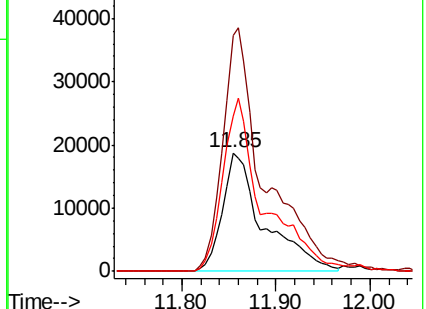
56 131.0 128.3 168.3



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 42.112 ng

RT: 12.18 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

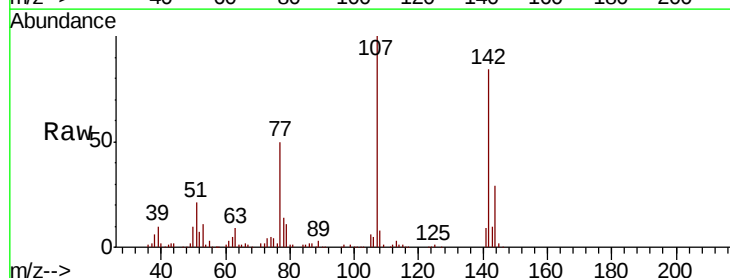
Tgt Ion:107 Resp: 175401

Ion Ratio Lower Upper

107 100

144 28.8 20.7 31.1

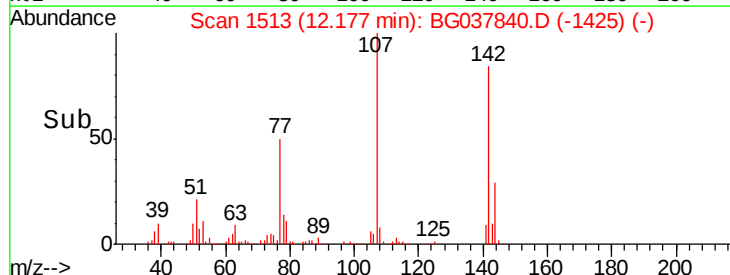
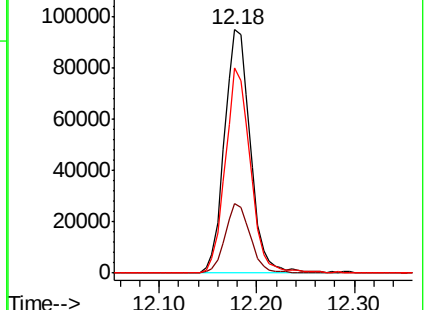
142 84.3 64.4 96.6



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

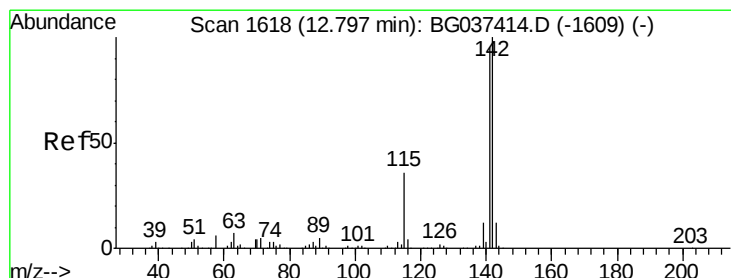
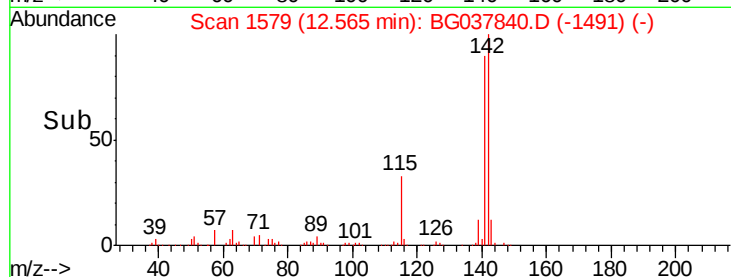
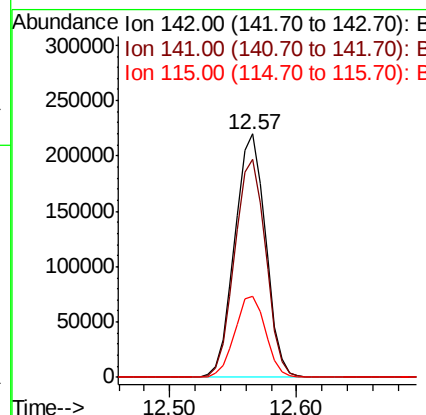
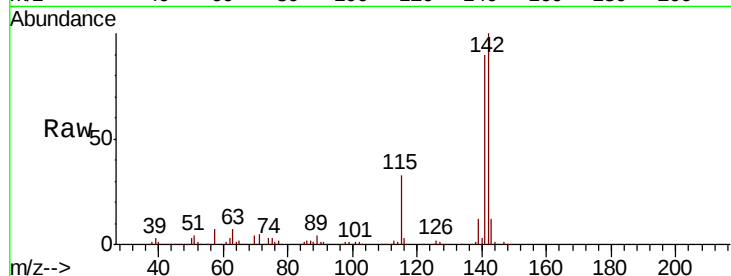




#37  
2-Methylnaphthalene  
Concen: 46.500 ng  
RT: 12.57 min Scan# 1579  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

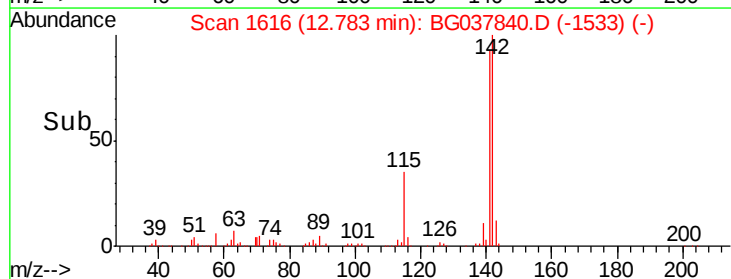
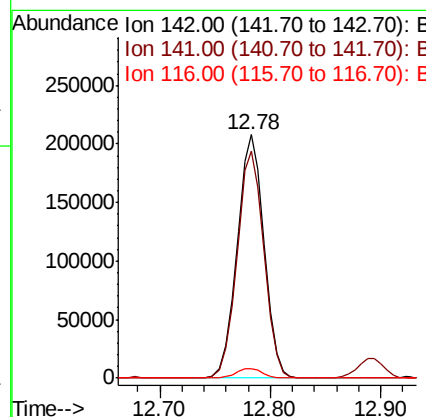
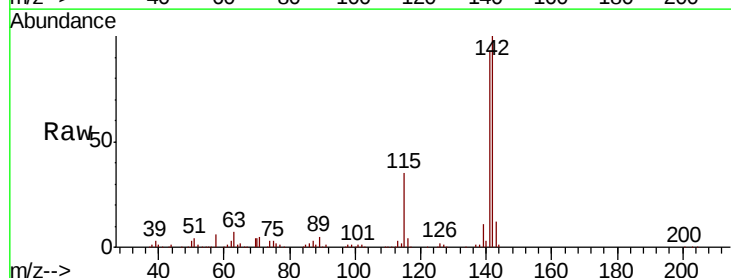
Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.6  | 71.9  | 107.9 |
| 115     | 33.1  | 27.8  | 41.8  |



#38  
1-Methylnaphthalene  
Concen: 45.661 ng  
RT: 12.78 min Scan# 1616  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 93.4  | 75.2  | 112.8 |
| 116     | 3.7   | 3.3   | 4.9   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

Instrument :

BNA\_G

ClientSampleId :

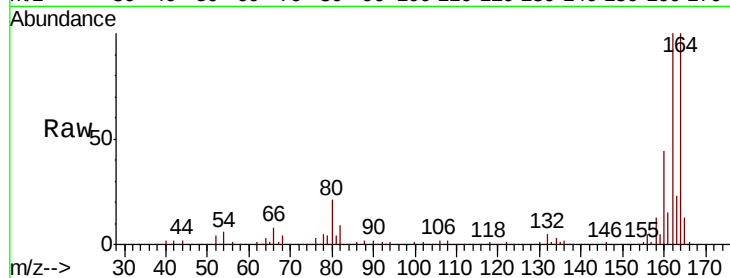
Tot Ion:164 Resp: 149925

Ion Ratio Lower Upper

164 100

162 100.2 81.3 121.9

160 44.0 36.3 54.5

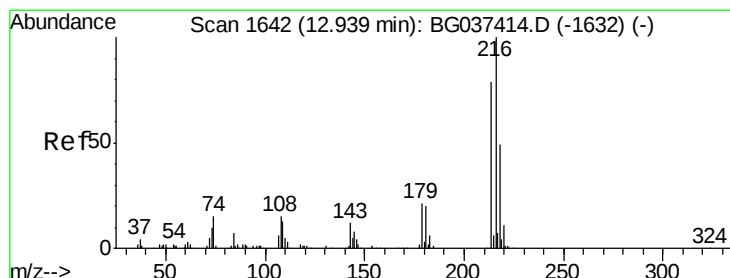
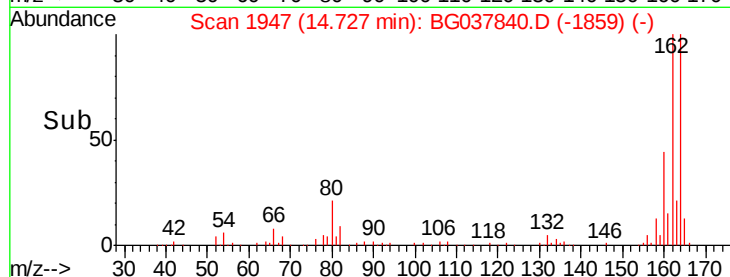
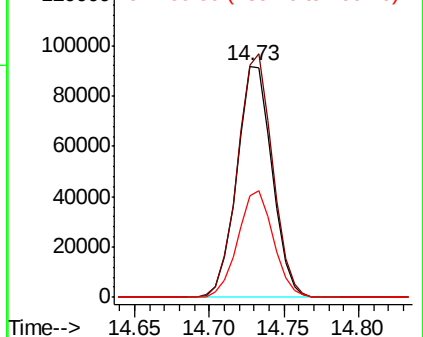


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.610 ng

RT: 12.92 min Scan# 1640

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

Tgt Ion:216 Resp: 196388

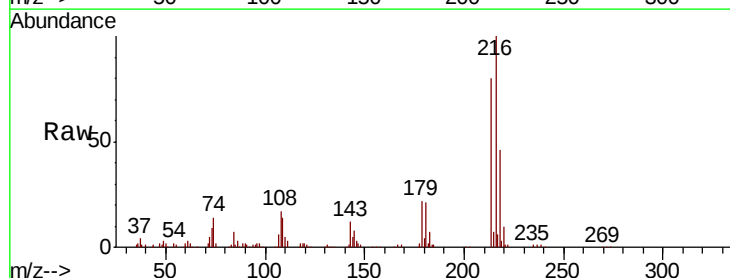
Ion Ratio Lower Upper

216 100

214 78.9 63.8 95.6

179 21.5 17.4 26.0

108 19.8 13.9 20.9



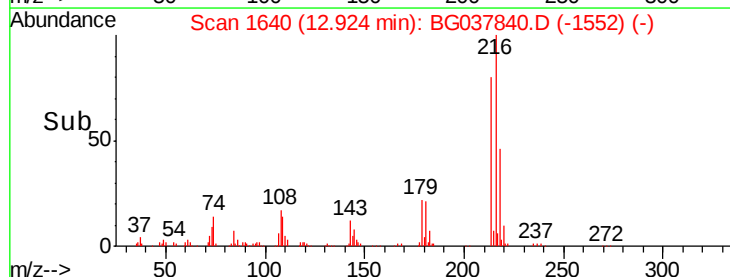
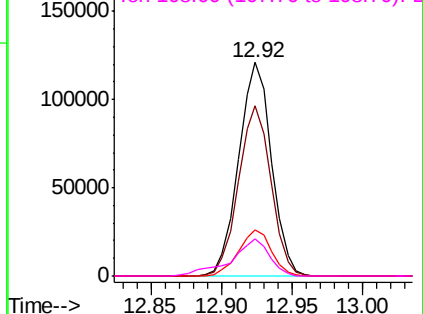
Abundance

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





#41

Hexachlorocyclopentadiene

Concen: 106.004 ng

RT: 12.89 min Scan# 1635

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

Instrument :

BNA\_G

ClientSampleId :

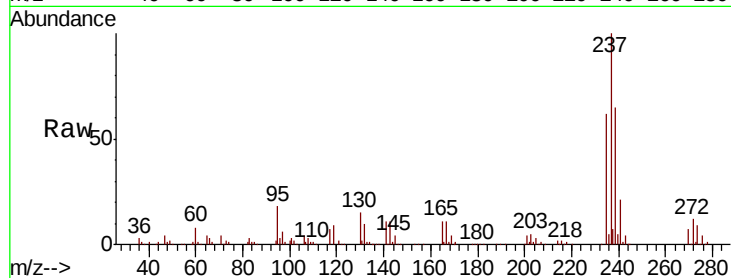
Tot Ion:237 Resp: 244868

Ion Ratio Lower Upper

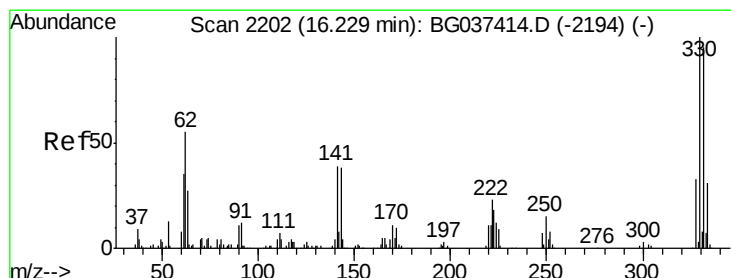
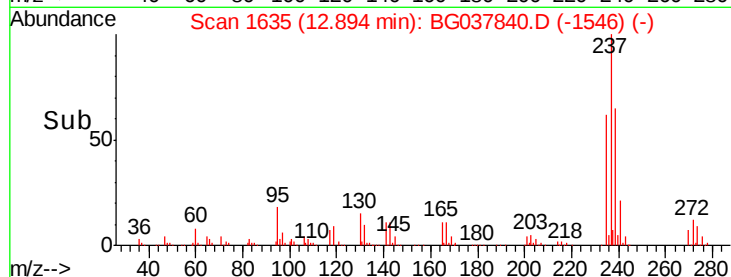
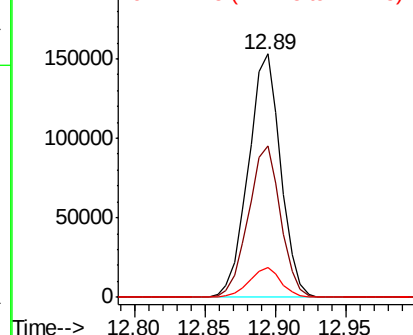
237 100

235 62.2 42.5 82.5

272 12.2 0.0 31.6



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



#42

2,4,6-Tribromophenol

Concen: 158.938 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

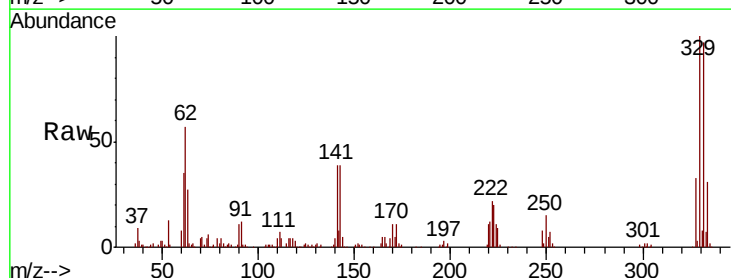
Tgt Ion:330 Resp: 259898

Ion Ratio Lower Upper

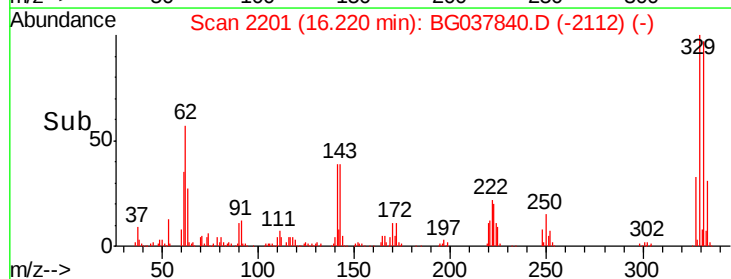
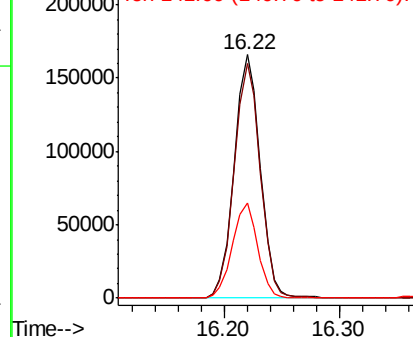
330 100

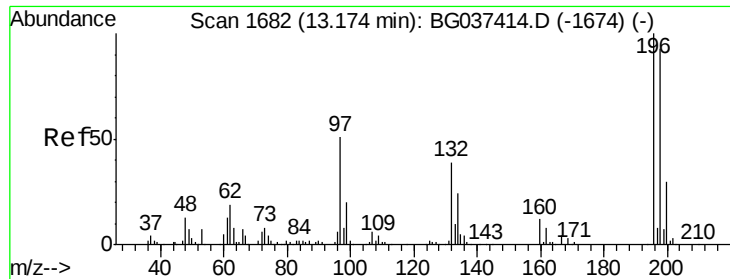
332 96.8 78.4 117.6

141 38.1 32.2 48.2



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

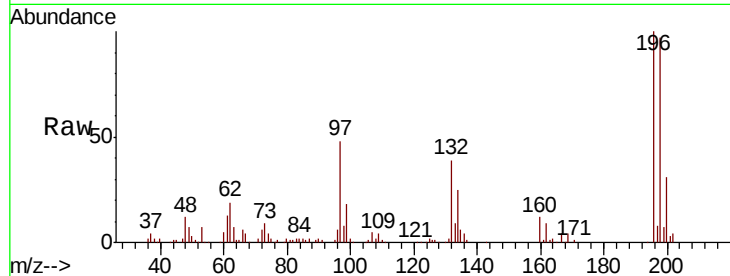




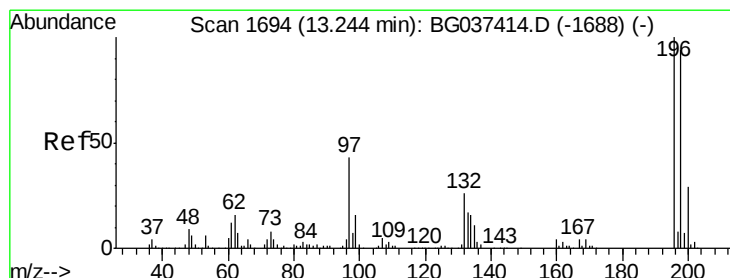
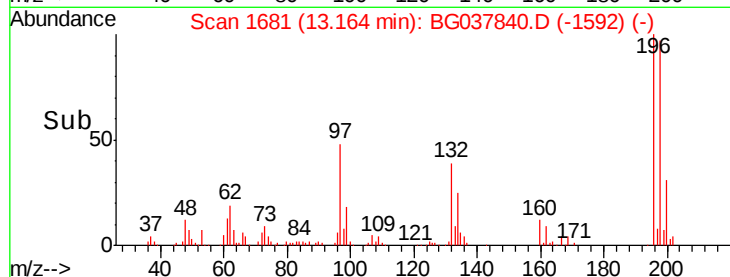
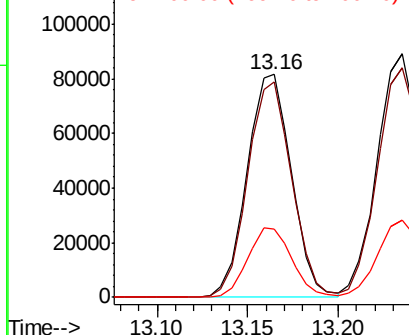
#43  
 2,4,6-Trichlorophenol  
 Concen: 42.955 ng  
 RT: 13.16 min Scan# 1681  
 Delta R.T. -0.01 min  
 Lab File: BG037840.D  
 Acq: 6 Nov 2018 16:08

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:196 Resp: 138777  
 Ion Ratio Lower Upper  
 196 100  
 198 96.7 76.4 114.6  
 200 30.8 24.9 37.3



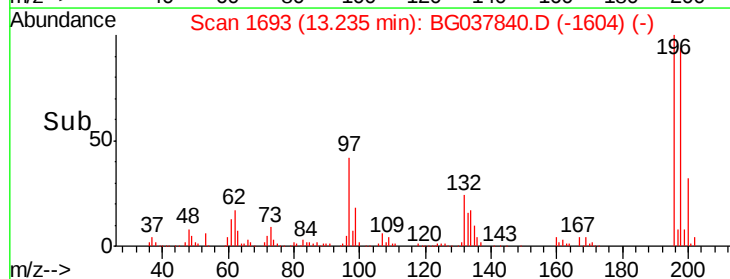
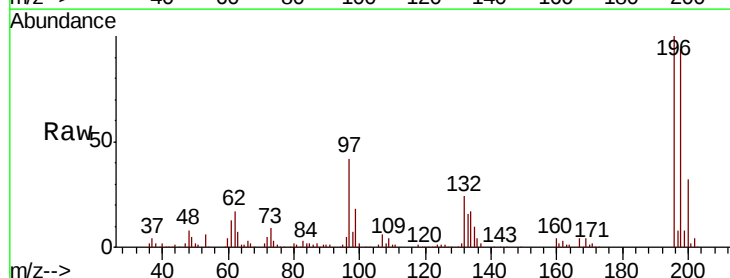
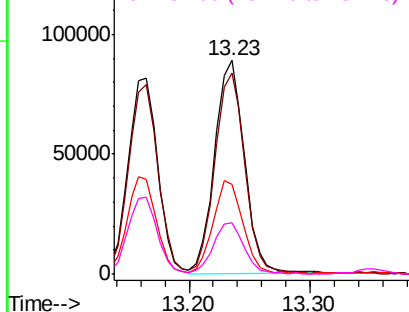
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E



#44  
 2,4,5-Trichlorophenol  
 Concen: 43.094 ng  
 RT: 13.23 min Scan# 1693  
 Delta R.T. -0.01 min  
 Lab File: BG037840.D  
 Acq: 6 Nov 2018 16:08

Tgt Ion:196 Resp: 151588  
 Ion Ratio Lower Upper  
 196 100  
 198 94.3 74.2 111.2  
 97 42.1 34.1 51.1  
 132 23.8 20.2 30.4

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

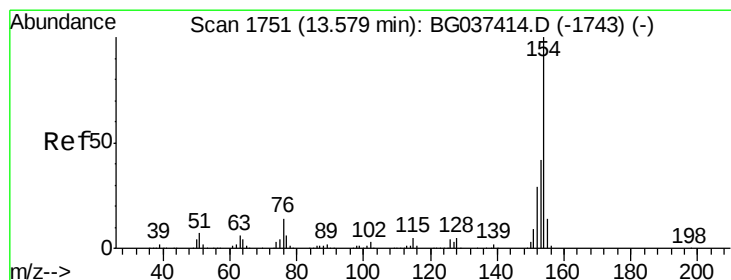
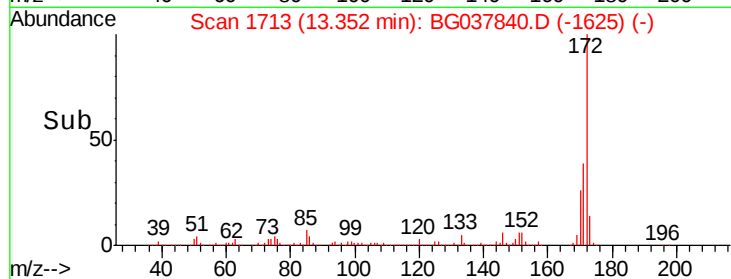
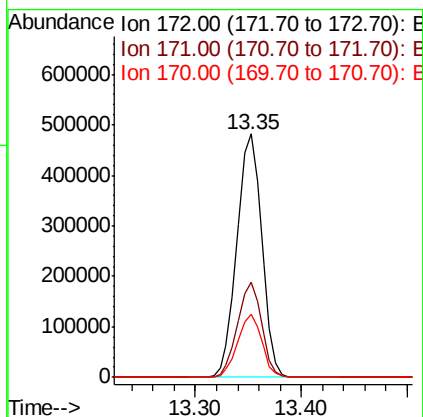
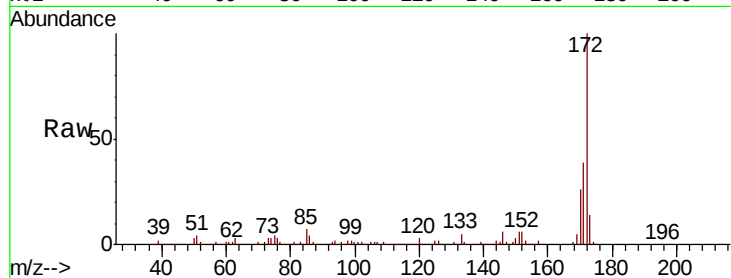




#45  
2-Fluorobiphenyl  
Concen: 78.893 ng  
RT: 13.35 min Scan# 1713  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

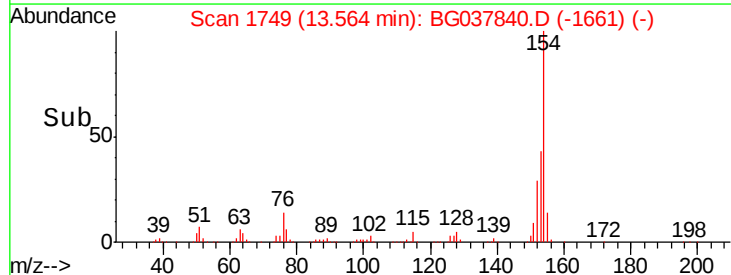
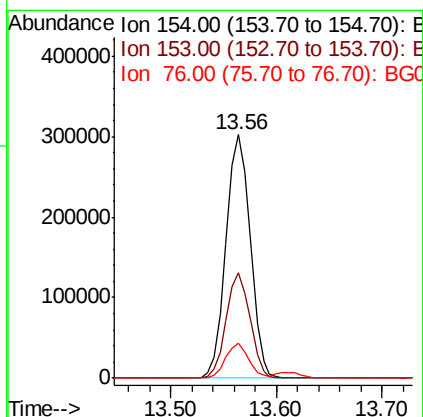
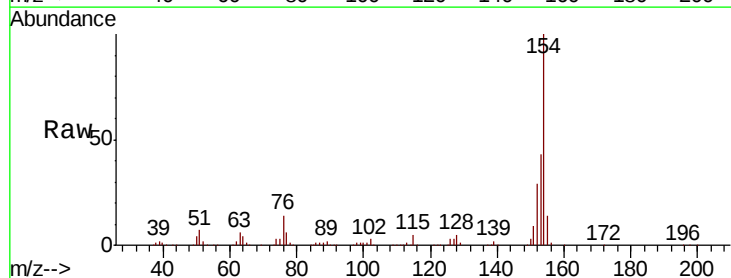
Instrument :  
BNA\_G  
ClientSampleId :

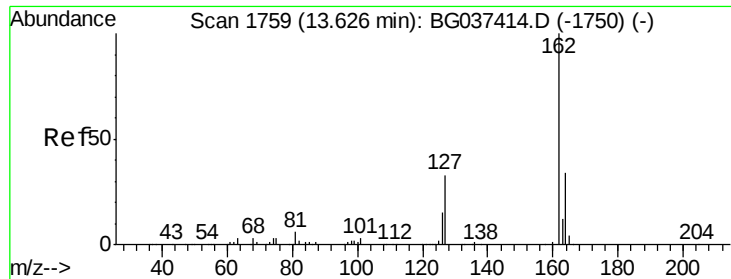
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 39.0  | 31.0  | 46.4  |
| 170     | 26.0  | 20.2  | 30.2  |



#46  
1,1'-Biphenyl  
Concen: 38.633 ng  
RT: 13.56 min Scan# 1749  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 43.4  | 22.1  | 62.1  |
| 76      | 14.3  | 0.0   | 33.2  |

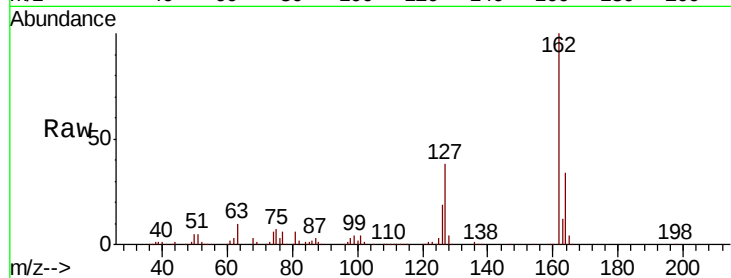




#47  
 2-Chloronaphthalene  
 Concen: 40.482 ng  
 RT: 13.61 min Scan# 1757  
 Delta R.T. -0.01 min  
 Lab File: BG037840.D  
 Acq: 6 Nov 2018 16:08

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 37.6  | 30.5  | 45.7  |
| 164     | 33.5  | 26.4  | 39.6  |

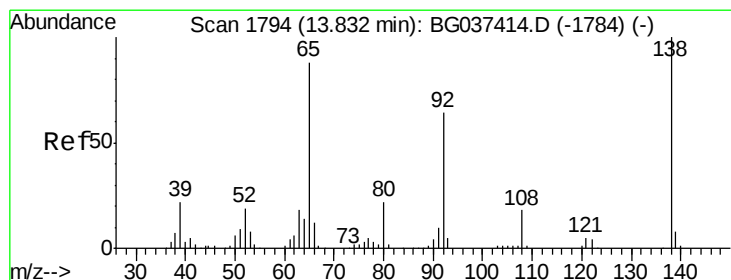
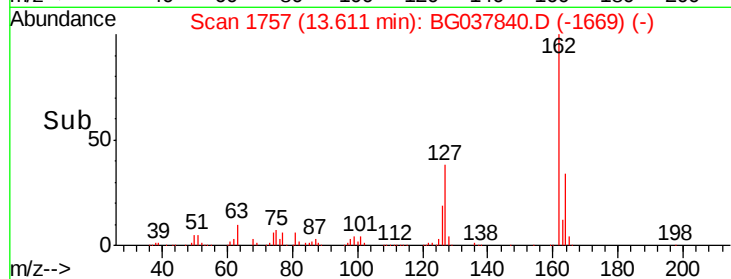
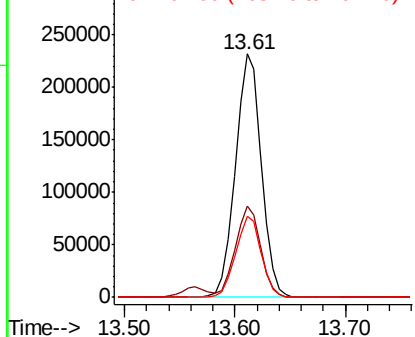


Abundance

Ion 162.00 (161.70 to 162.70): E

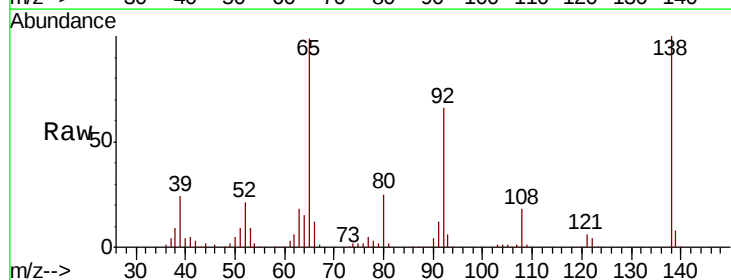
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48  
 2-Nitroaniline  
 Concen: 42.488 ng  
 RT: 13.82 min Scan# 1792  
 Delta R.T. -0.01 min  
 Lab File: BG037840.D  
 Acq: 6 Nov 2018 16:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 67.1  | 53.2  | 79.8  |
| 138     | 101.3 | 79.3  | 118.9 |

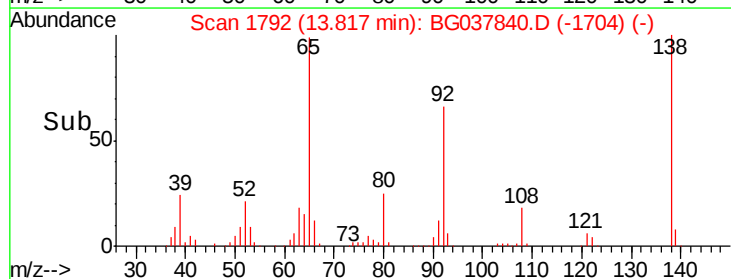
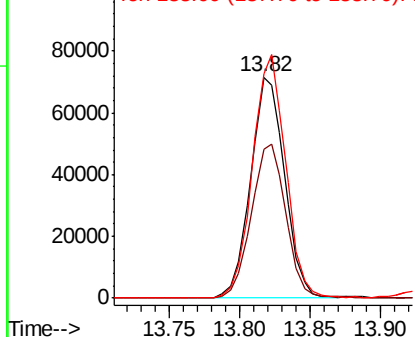


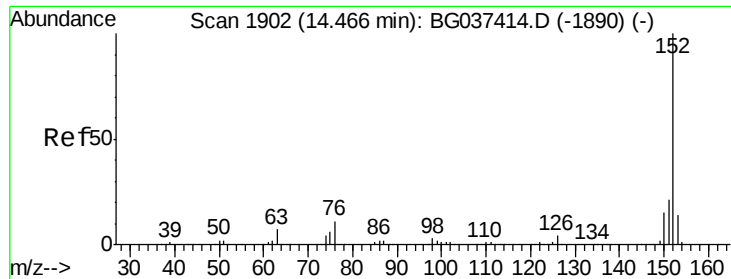
Abundance

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): E





#49

Acenaphthylene

Concen: 44.542 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

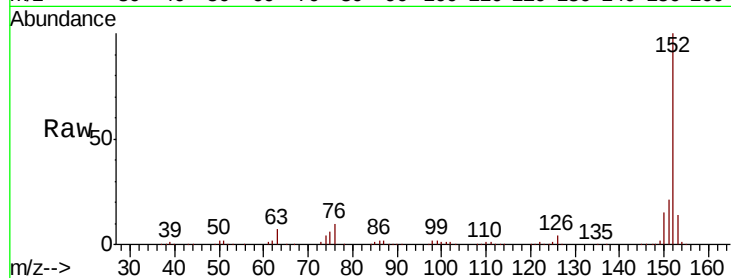
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:152 Resp: 629400

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 20.9  | 17.1  | 25.7  |
| 153 | 14.1  | 11.1  | 16.7  |

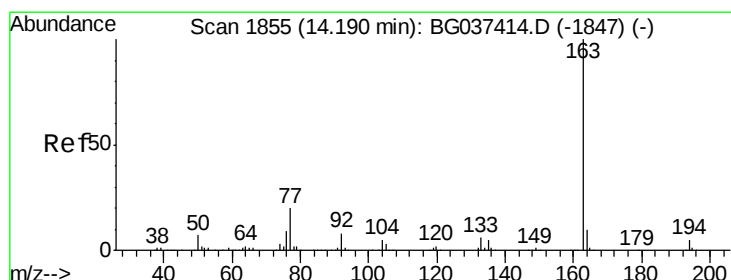
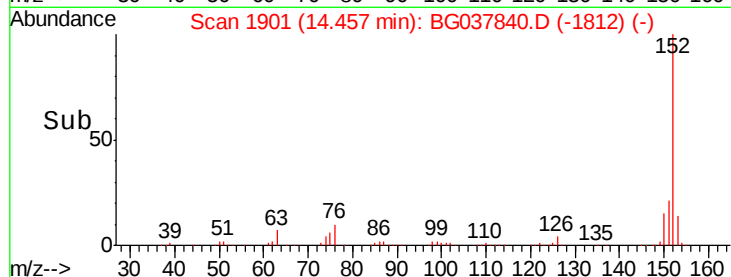
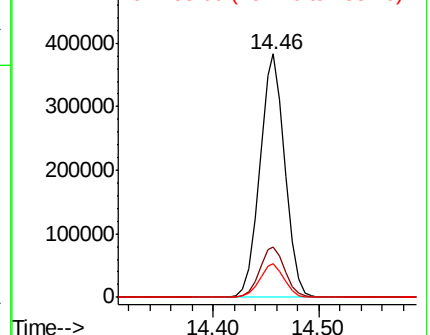


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 41.243 ng

RT: 14.18 min Scan# 1853

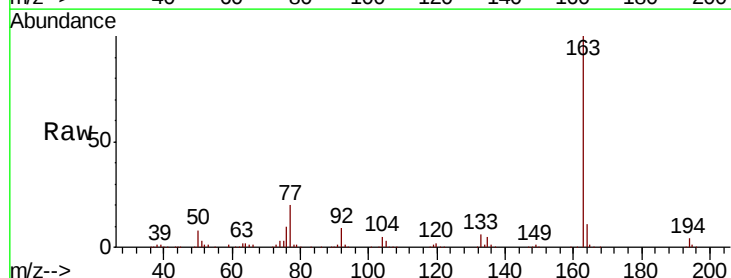
Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

Tgt Ion:163 Resp: 478357

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.3   | 3.5   | 5.3   |
| 164 | 10.5  | 8.5   | 12.7  |

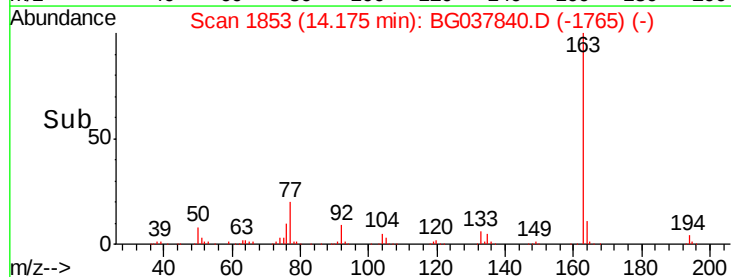
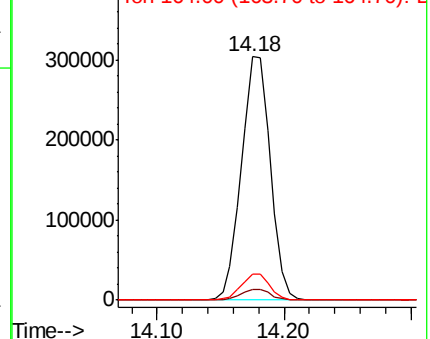


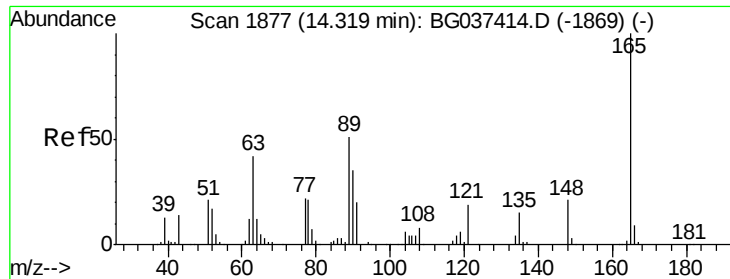
Abundance

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

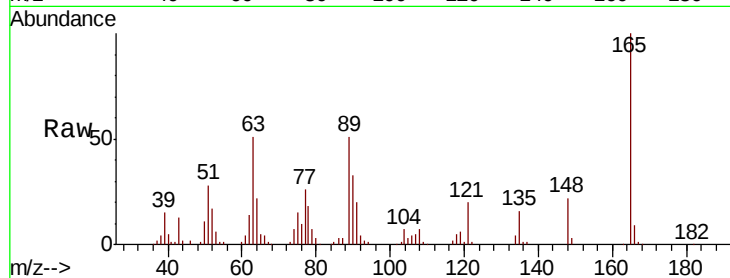




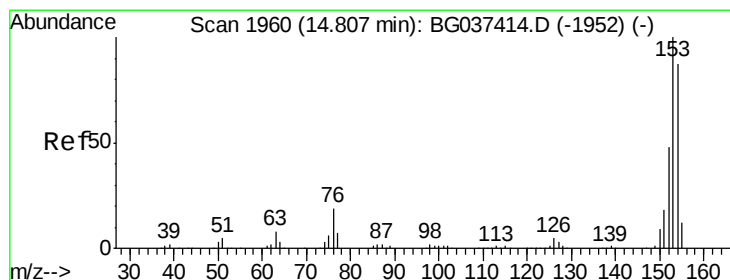
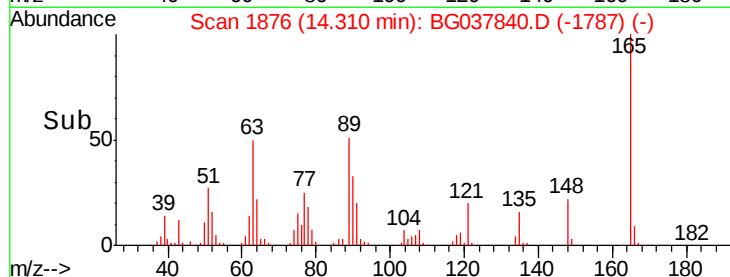
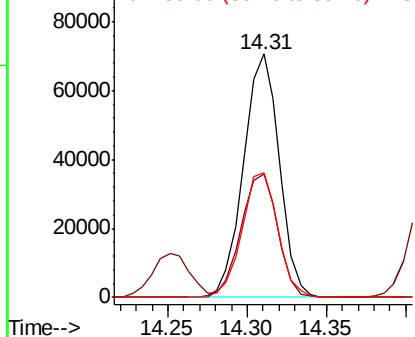
#51  
 2,6-Dinitrotoluene  
 Concen: 43.122 ng  
 RT: 14.31 min Scan# 1876  
 Delta R.T. -0.01 min  
 Lab File: BG037840.D  
 Acq: 6 Nov 2018 16:08

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:165 Resp: 110643  
 Ion Ratio Lower Upper  
 165 100  
 63 50.7 43.4 65.2  
 89 51.2 45.8 68.6

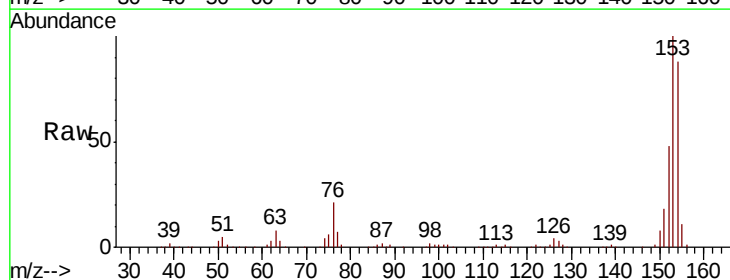


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BG  
 Ion 89.00 (88.70 to 89.70): BG

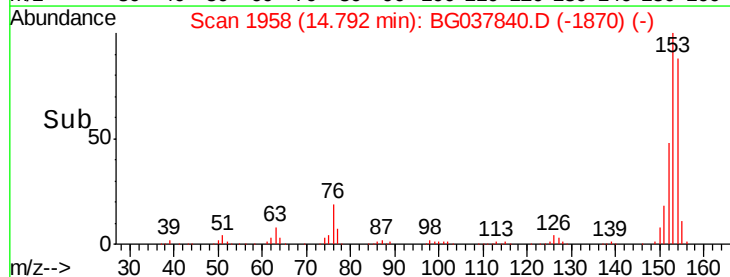
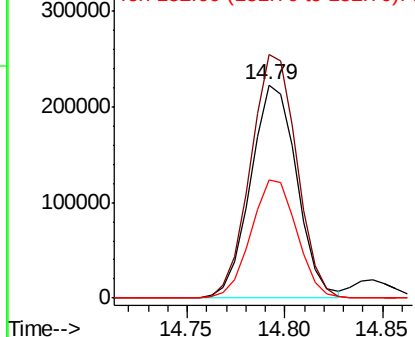


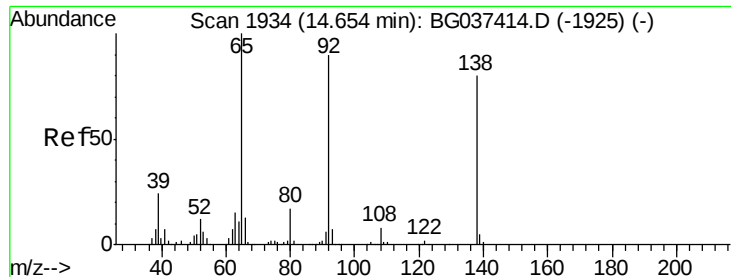
#52  
 Acenaphthene  
 Concen: 42.023 ng  
 RT: 14.79 min Scan# 1958  
 Delta R.T. -0.01 min  
 Lab File: BG037840.D  
 Acq: 6 Nov 2018 16:08

Tgt Ion:154 Resp: 365700  
 Ion Ratio Lower Upper  
 154 100  
 153 114.1 93.4 140.0  
 152 55.2 44.7 67.1



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





#53

3-Nitroaniline

Concen: 33.543 ng

RT: 14.65 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

Instrument :

BNA\_G

ClientSampleId :

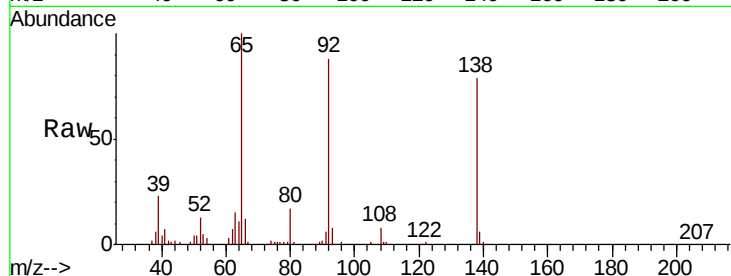
Tot Ion:138 Resp: 95545

Ion Ratio Lower Upper

138 100

108 10.2 11.0 16.6#

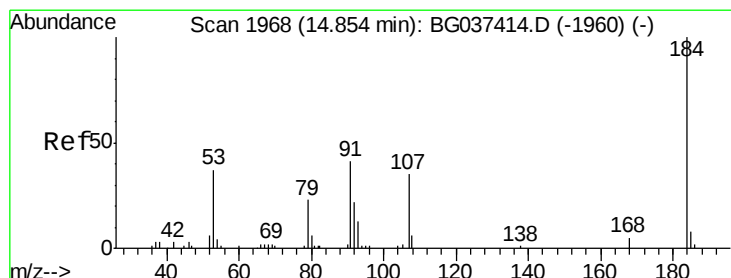
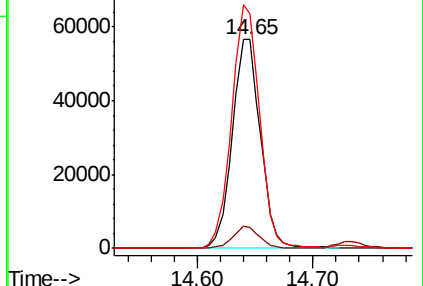
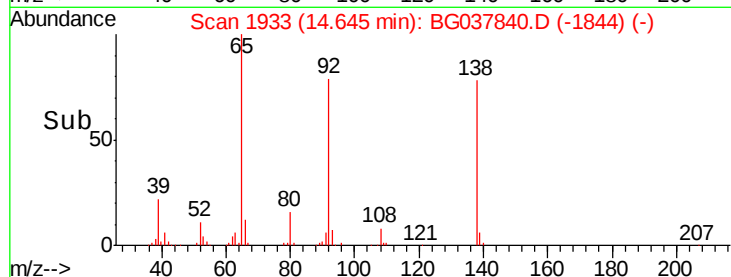
92 112.1 95.2 142.8



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



#54

2,4-Dinitrophenol

Concen: 61.220 ng

RT: 14.84 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

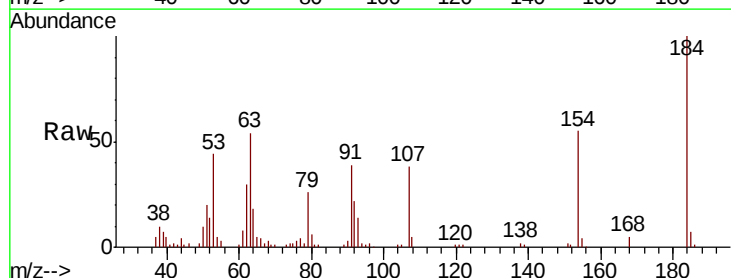
Tgt Ion:184 Resp: 58736

Ion Ratio Lower Upper

184 100

63 54.0 42.6 63.8

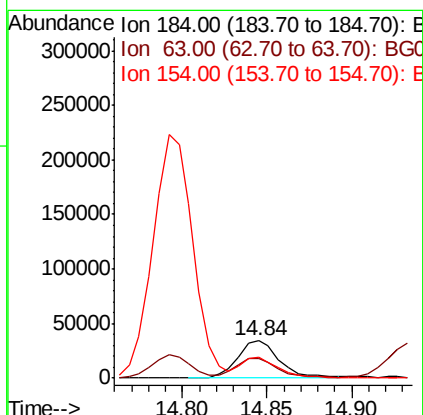
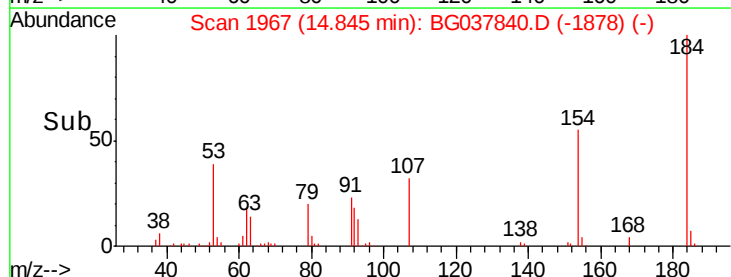
154 54.7 41.8 62.6

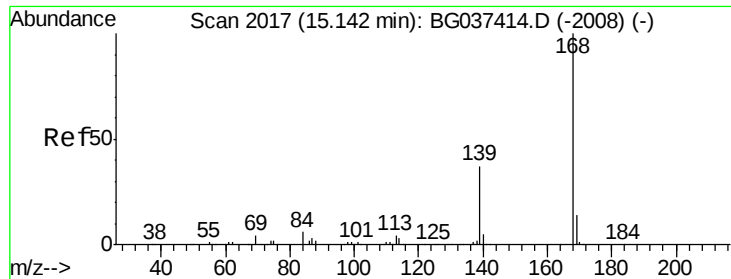


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

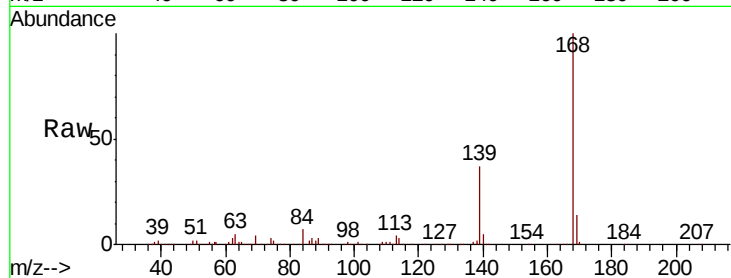




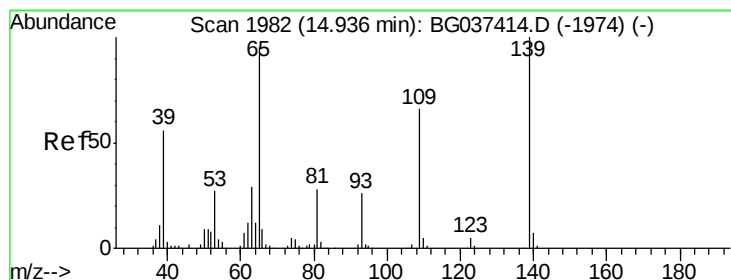
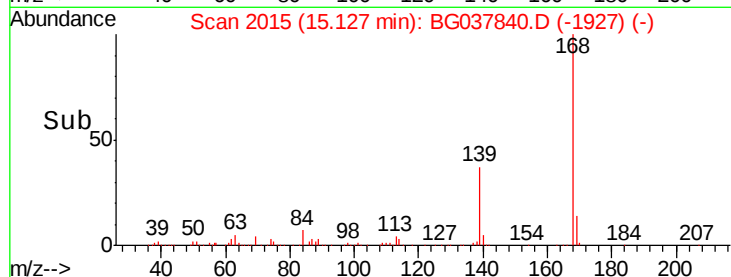
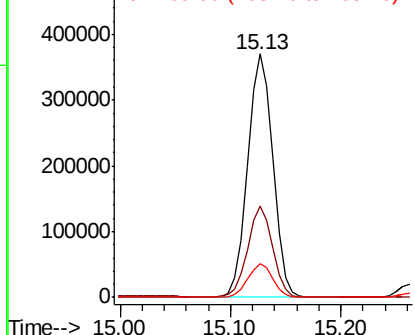
#55  
Dibenzofuran  
Concen: 41.233 ng  
RT: 15.13 min Scan# 2015  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:168 Resp: 594521  
Ion Ratio Lower Upper  
168 100  
139 37.4 29.4 44.0  
169 13.9 11.0 16.6

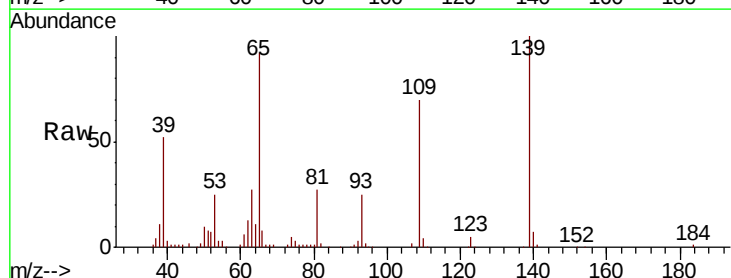


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

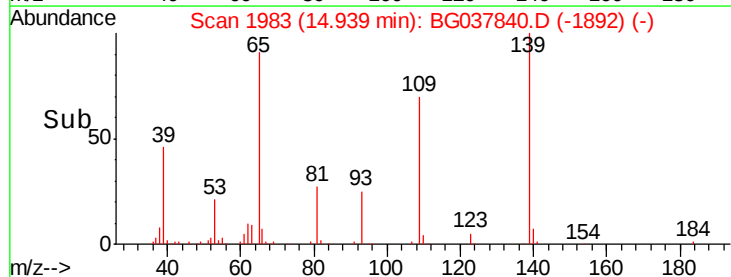
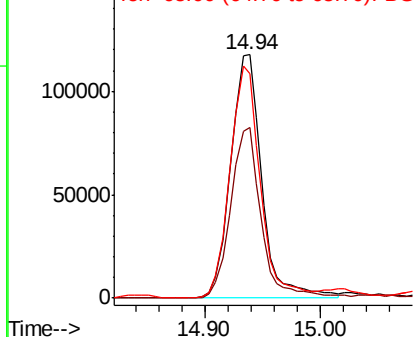


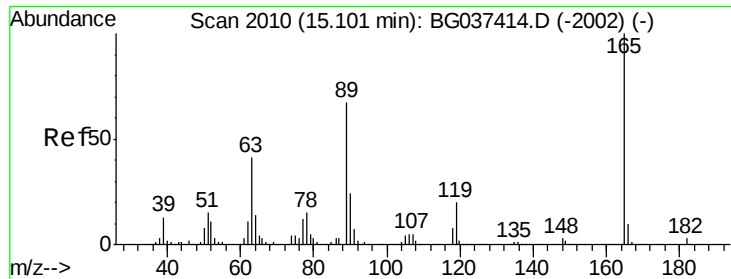
#56  
4-Nitrophenol  
Concen: 104.316 ng  
RT: 14.94 min Scan# 1983  
Delta R.T. 0.00 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

Tgt Ion:139 Resp: 219938  
Ion Ratio Lower Upper  
139 100  
109 70.0 49.5 89.5  
65 92.3 76.8 116.8



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): BG

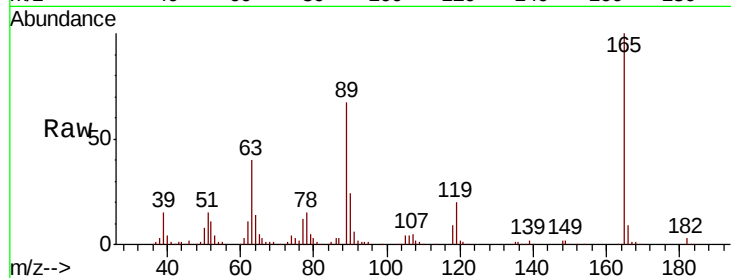




#57  
2,4-Dinitrotoluene  
Concen: 45.553 ng  
RT: 15.09 min Scan# 2009  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 40.1  | 33.4  | 50.0  |
| 89      | 66.6  | 57.2  | 85.8  |
| 182     | 2.9   | 2.6   | 4.0   |



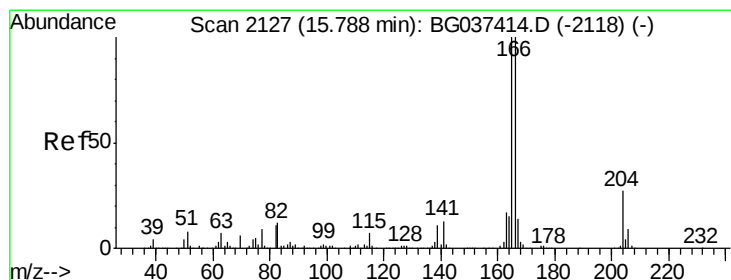
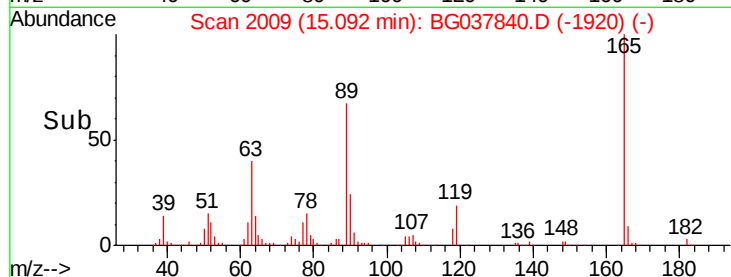
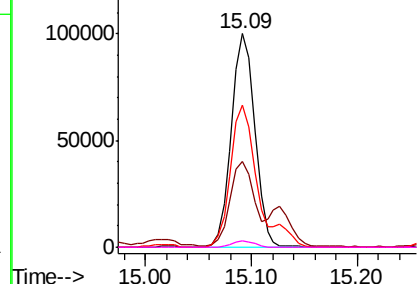
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

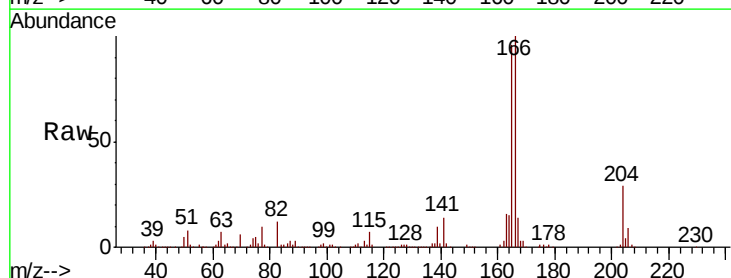
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#58  
Fluorene  
Concen: 44.435 ng  
RT: 15.77 min Scan# 2125  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 96.1  | 79.0  | 118.6 |
| 167     | 14.1  | 11.3  | 16.9  |

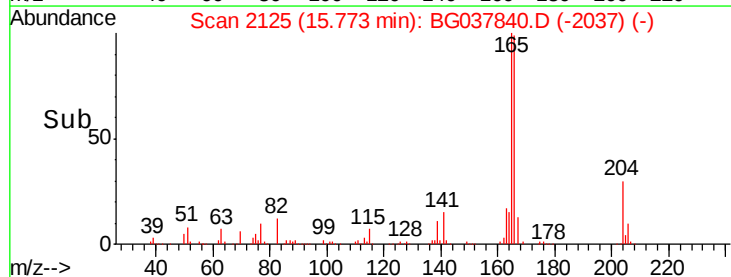
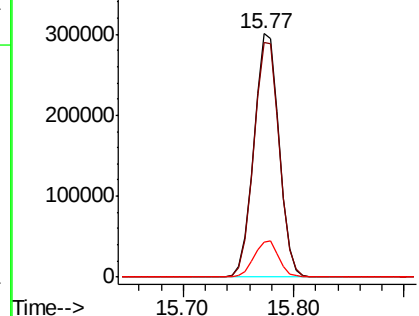


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

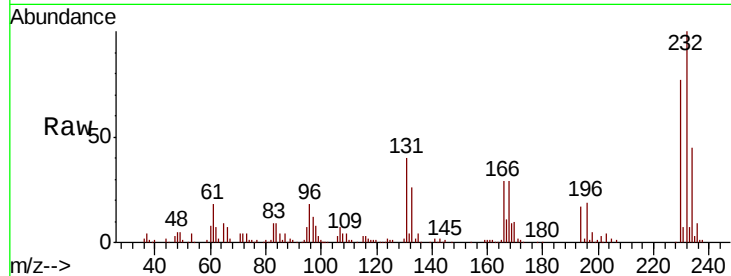




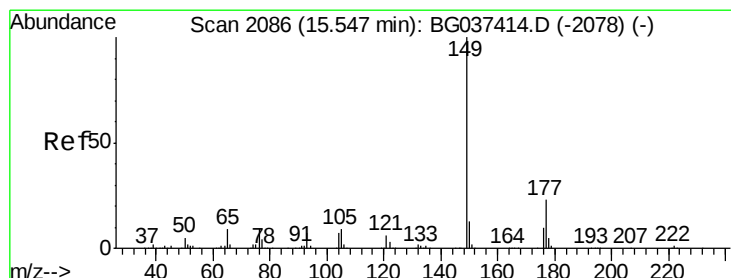
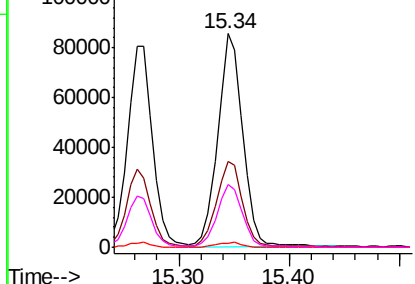
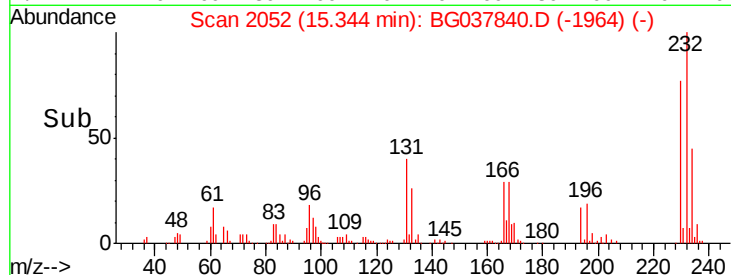
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 44.393 ng  
RT: 15.34 min Scan# 2052  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:232 Resp: 133701  
Ion Ratio Lower Upper  
232 100  
131 41.4 33.7 50.5  
130 2.2 2.1 3.1  
166 30.5 24.6 36.8

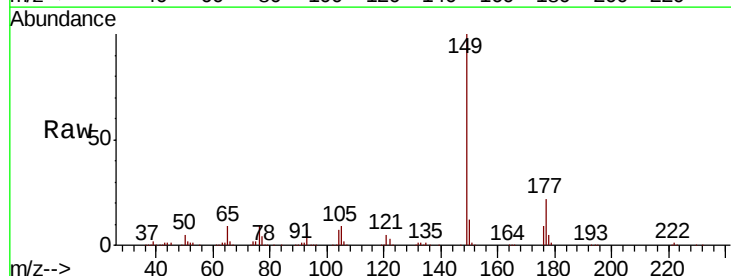


Abundance Ion 232.00 (231.70 to 232.70): E  
Ion 131.00 (130.70 to 131.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 166.00 (165.70 to 166.70): E

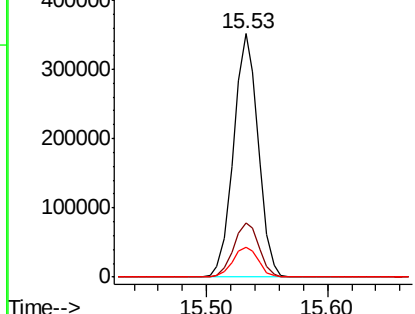
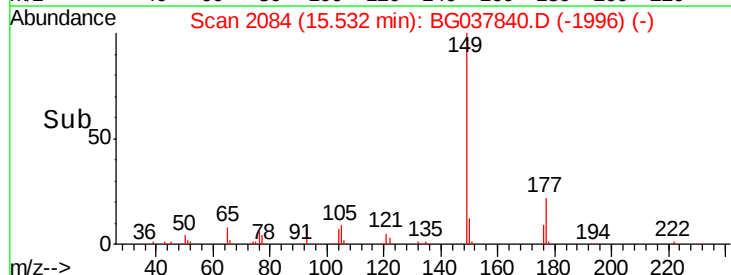


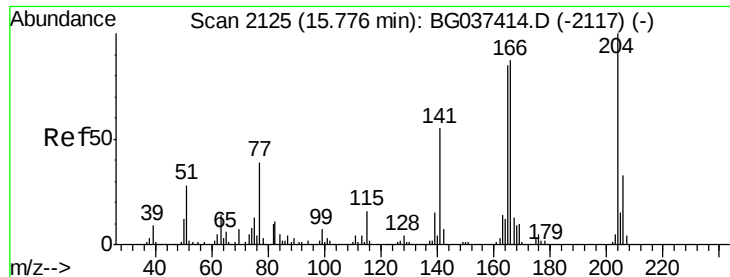
#60  
Diethylphthalate  
Concen: 41.780 ng  
RT: 15.53 min Scan# 2084  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

Tgt Ion:149 Resp: 497496  
Ion Ratio Lower Upper  
149 100  
177 22.5 18.3 27.5  
150 12.4 10.0 15.0



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

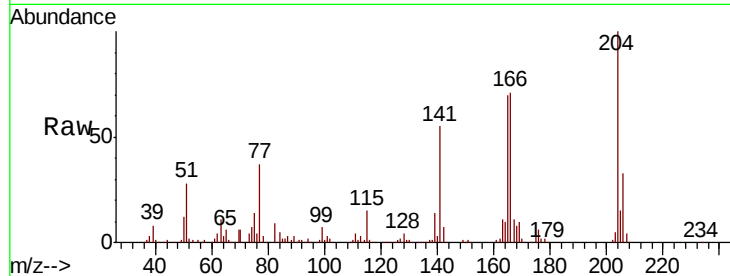




#61  
4-Chlorophenyl-phenylether  
Concen: 40.143 ng  
RT: 15.76 min Scan# 2123  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.6  | 26.6  | 39.8  |
| 141     | 54.5  | 45.4  | 68.2  |

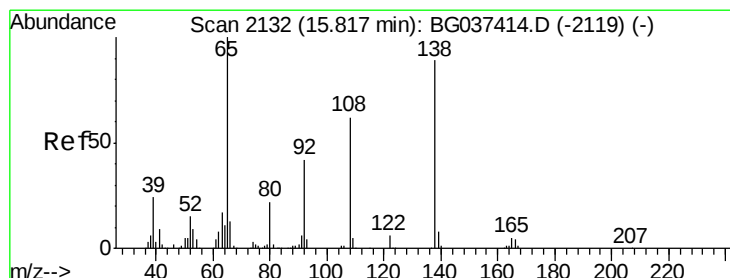
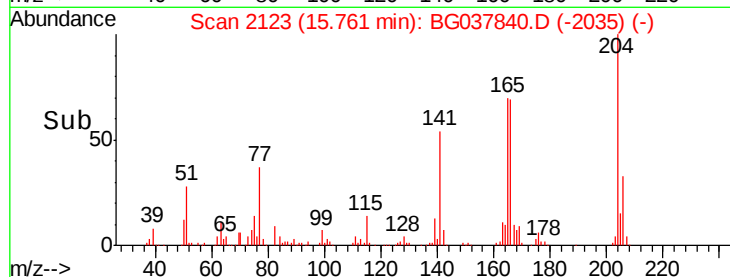
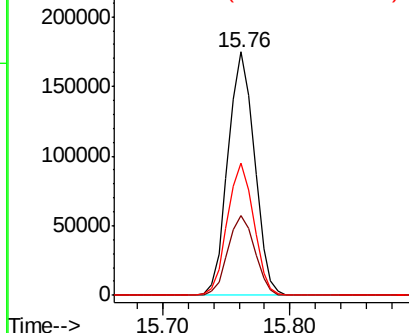


Abundance

Ion 204.00 (203.70 to 204.70): E

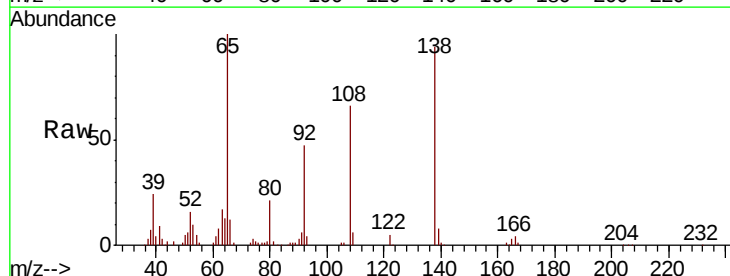
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62  
4-Nitroaniline  
Concen: 41.520 ng  
RT: 15.81 min Scan# 2131  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 49.4  | 36.4  | 76.4  |
| 108     | 70.1  | 60.1  | 100.1 |

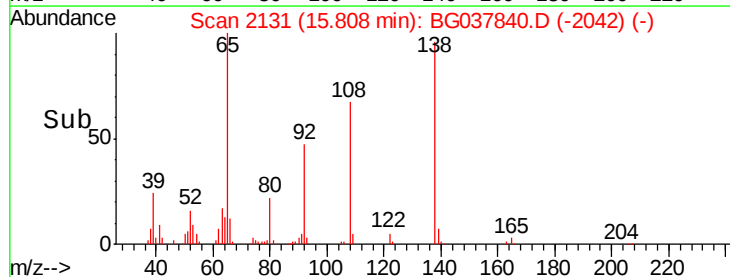
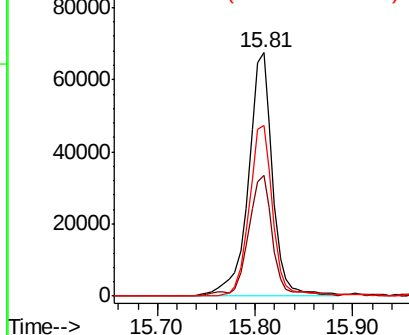


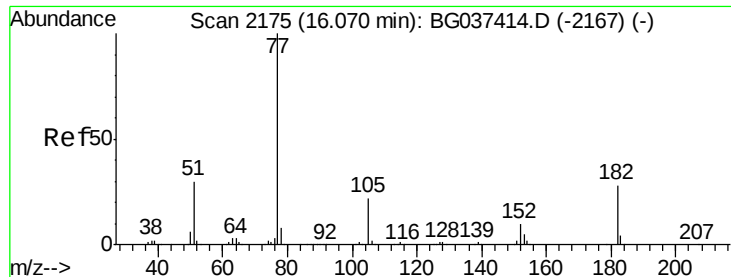
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E

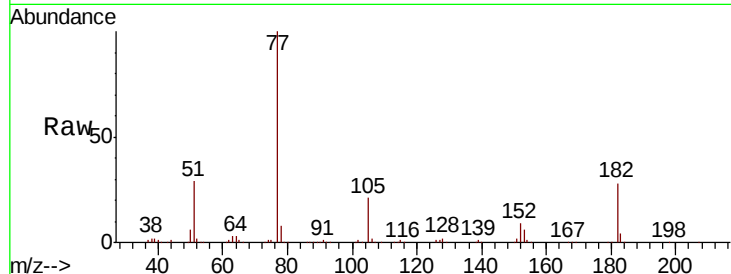




#63  
Azobenzene  
Concen: 41.377 ng  
RT: 16.06 min Scan# 2173  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 28.0  | 8.0   | 48.0  |
| 105     | 21.0  | 1.3   | 41.3  |
| 51      | 29.2  | 10.7  | 50.7  |



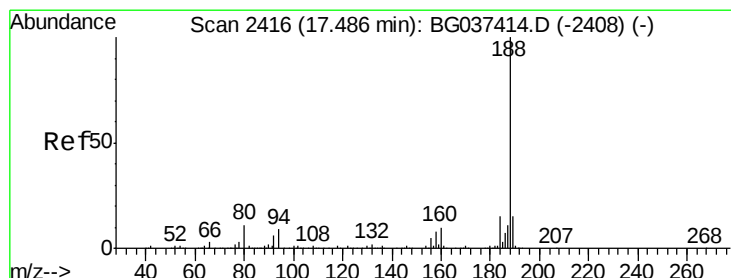
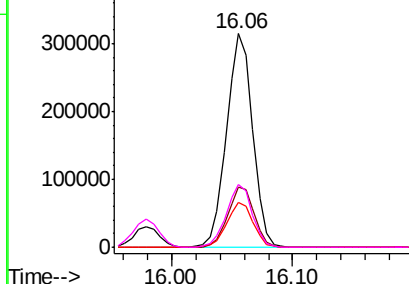
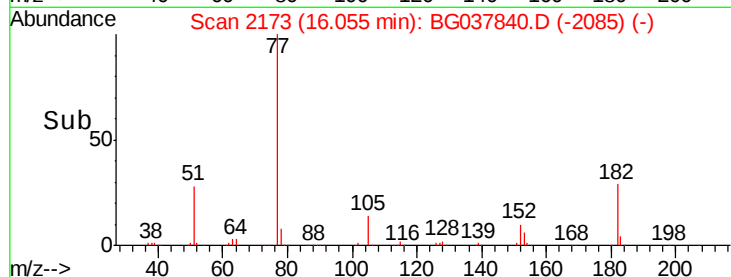
Abundance

Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

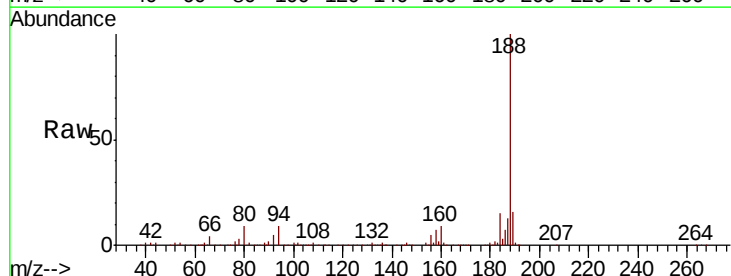
Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.48 min Scan# 2415  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.9   | 7.2   | 10.8  |
| 80      | 9.5   | 7.7   | 11.5  |

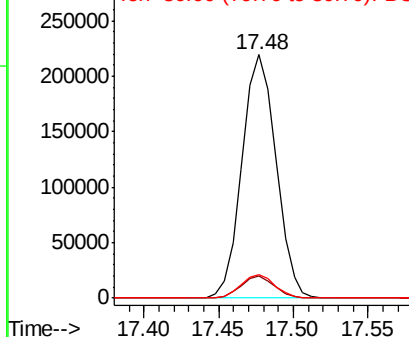
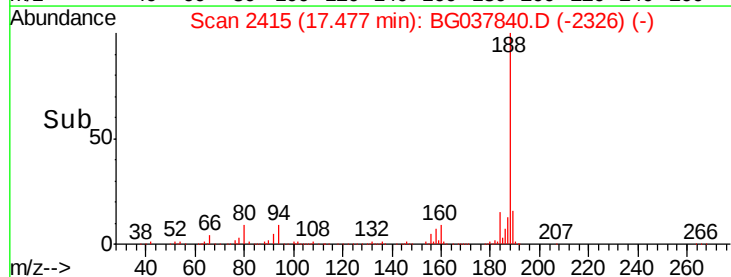


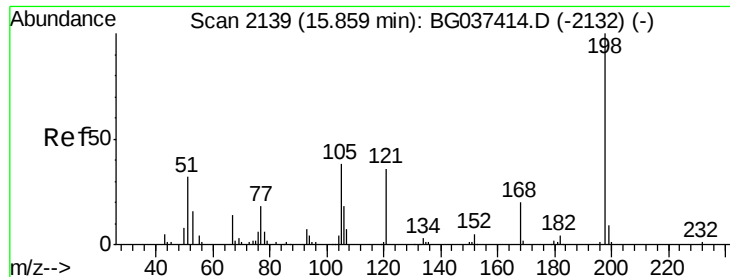
Abundance

Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 37.765 ng

RT: 15.85 min Scan# 2138

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

Instrument :

BNA\_G

ClientSampled :

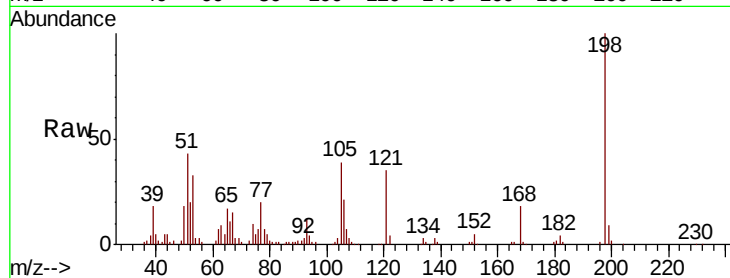
Tot Ion:198 Resp: 64839

Ion Ratio Lower Upper

198 100

51 42.8 22.7 62.7

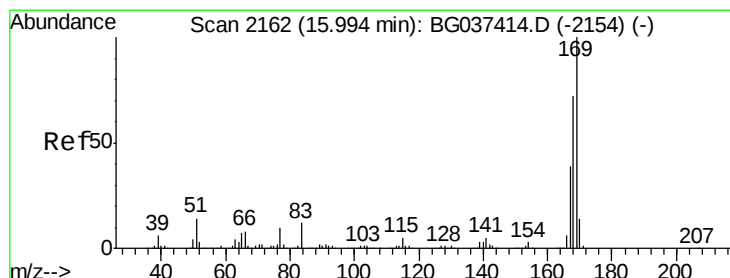
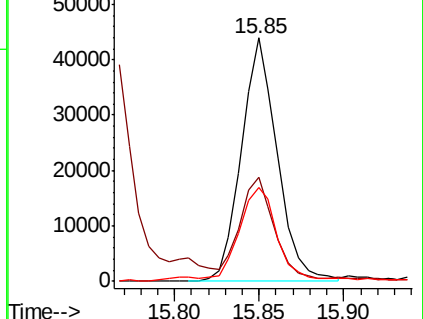
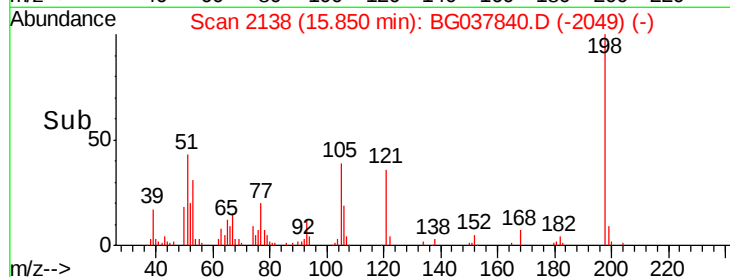
105 38.8 19.7 59.7



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 41.317 ng

RT: 15.98 min Scan# 2160

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

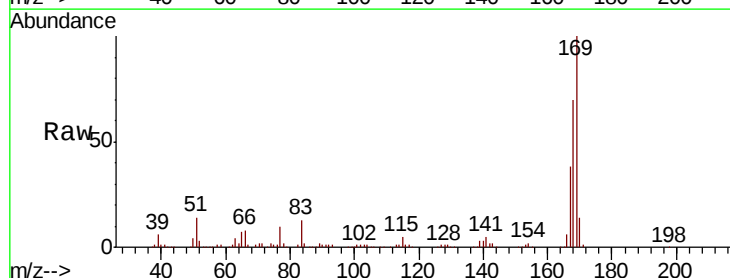
Tgt Ion:169 Resp: 431839

Ion Ratio Lower Upper

169 100

168 70.3 55.7 83.5

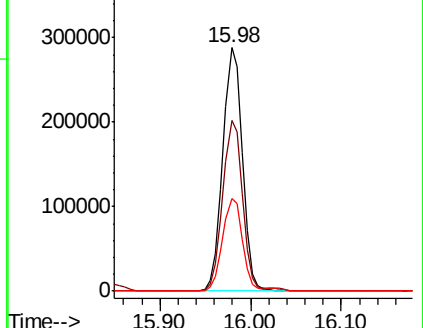
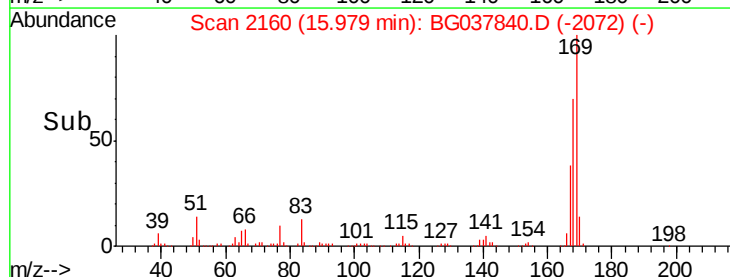
167 37.8 31.3 46.9

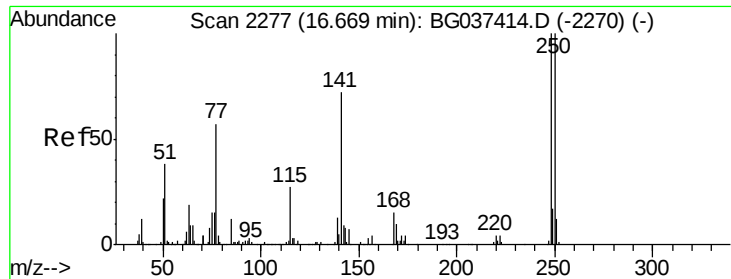


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 41.464 ng

RT: 16.66 min Scan# 2276

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

Instrument :

BNA\_G

ClientSampled :

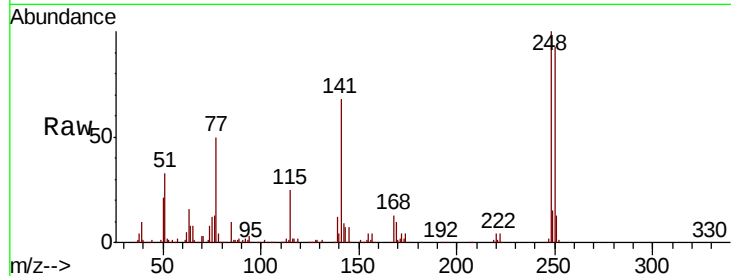
Tot Ion:248 Resp: 158213

Ion Ratio Lower Upper

248 100

250 93.4 77.0 115.6

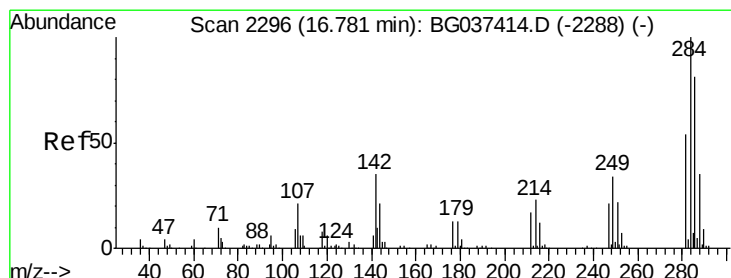
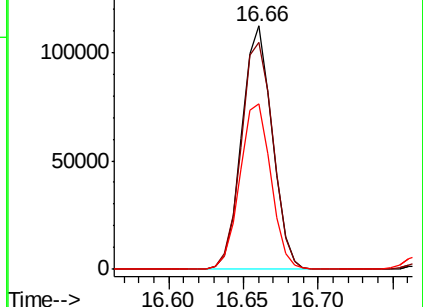
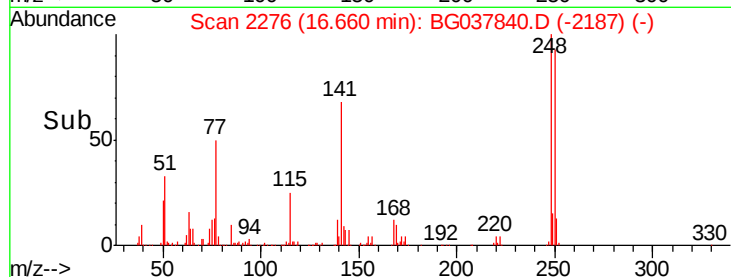
141 68.2 55.5 83.3



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



#68

Hexachlorobenzene

Concen: 40.473 ng

RT: 16.77 min Scan# 2295

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

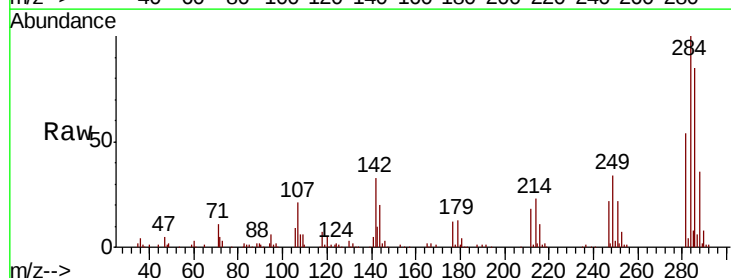
Tgt Ion:284 Resp: 160055

Ion Ratio Lower Upper

284 100

142 33.1 28.1 42.1

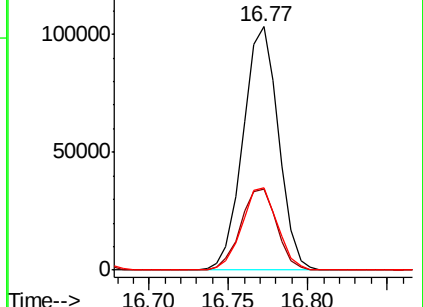
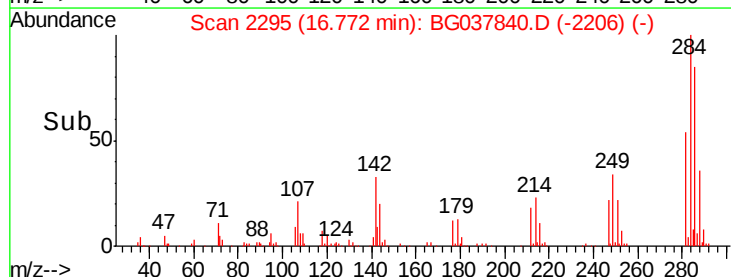
249 36.7 29.8 44.8

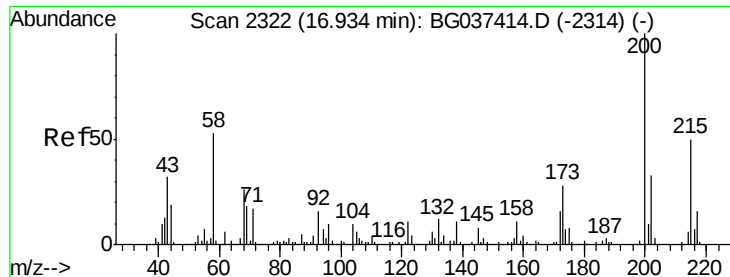


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

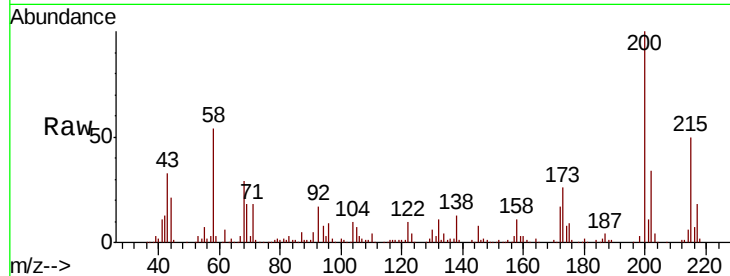




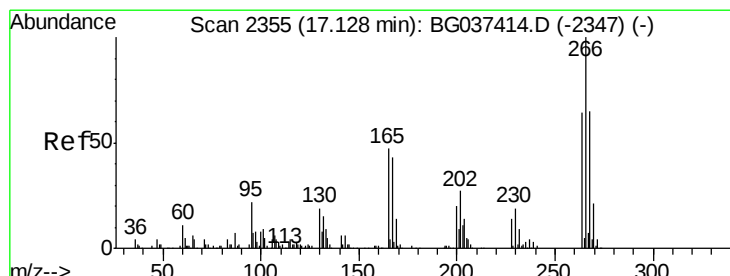
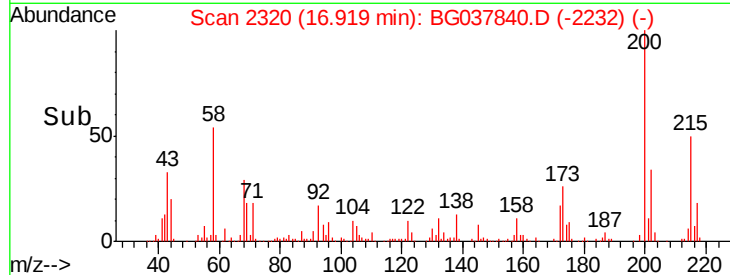
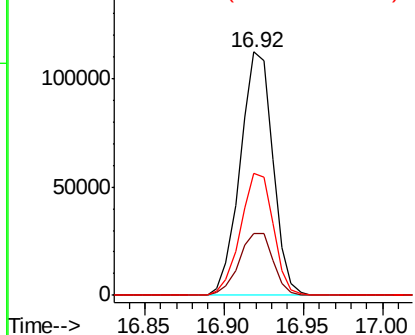
#69  
 Atrazine  
 Concen: 42.616 ng  
 RT: 16.92 min Scan# 2320  
 Delta R.T. -0.01 min  
 Lab File: BG037840.D  
 Acq: 6 Nov 2018 16:08

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:200 Resp: 161041  
 Ion Ratio Lower Upper  
 200 100  
 173 25.5 6.1 46.1  
 215 50.3 30.8 70.8

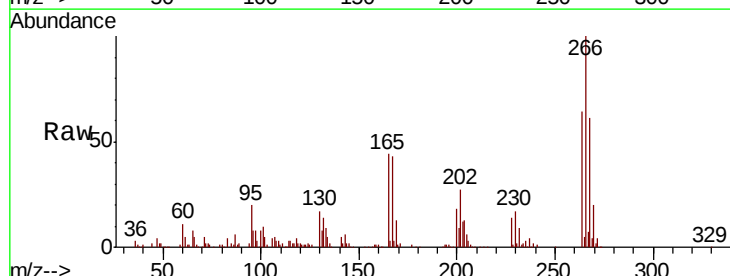


Abundance Ion 200.00 (199.70 to 200.70): E  
 150000 Ion 173.00 (172.70 to 173.70): E  
 Ion 215.00 (214.70 to 215.70): E

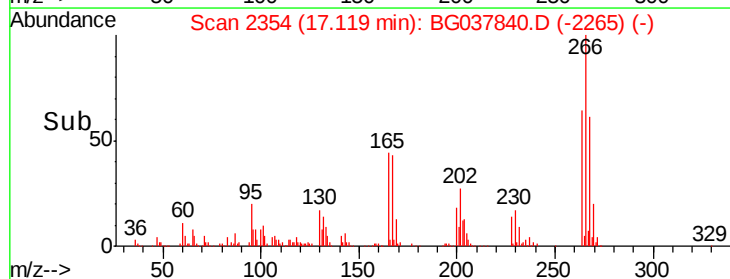
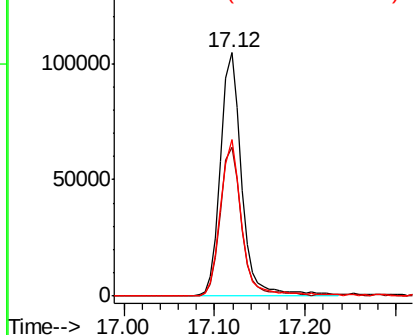


#70  
 Pentachlorophenol  
 Concen: 64.418 ng  
 RT: 17.12 min Scan# 2354  
 Delta R.T. -0.01 min  
 Lab File: BG037840.D  
 Acq: 6 Nov 2018 16:08

Tgt Ion:266 Resp: 170639  
 Ion Ratio Lower Upper  
 266 100  
 268 65.5 55.0 82.6  
 264 69.4 58.9 88.3



Abundance Ion 265.70 (265.40 to 266.40): E  
 100000 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

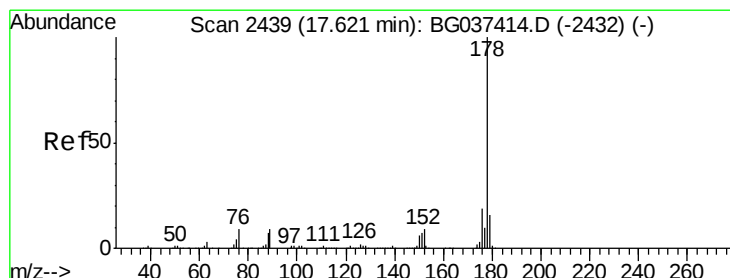
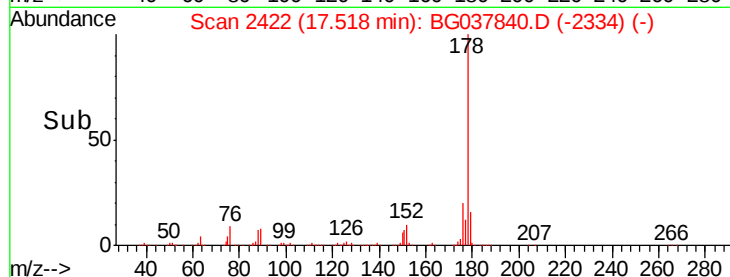
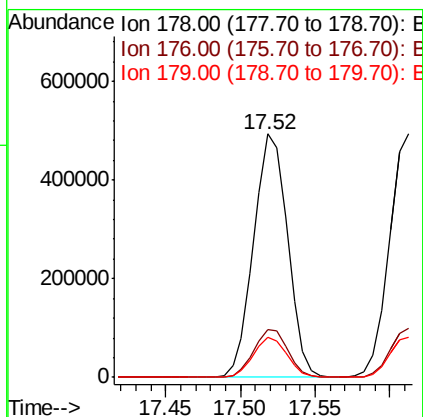
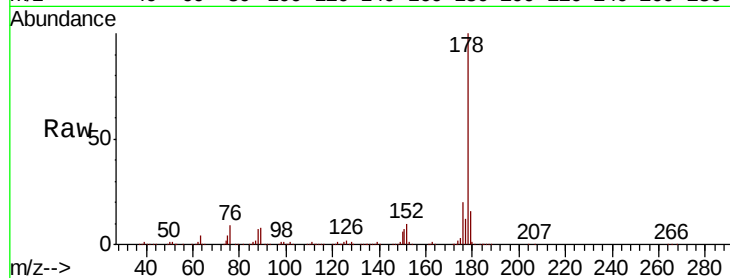




#71  
Phenanthrene  
Concen: 44.081 ng  
RT: 17.52 min Scan# 2422  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

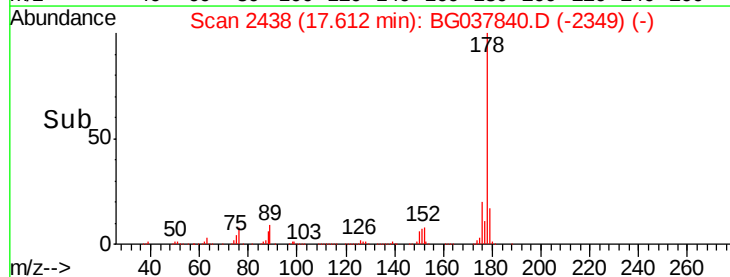
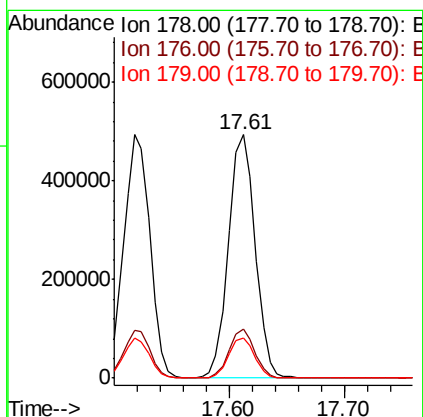
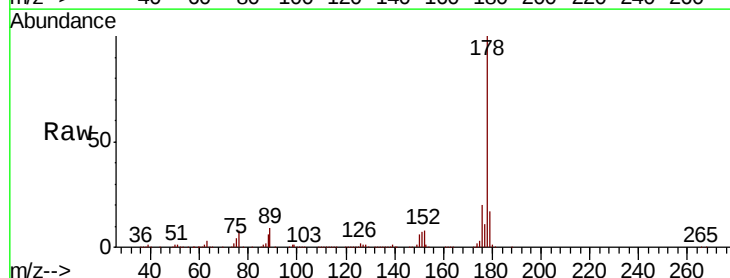
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:178 Resp: 778439  
Ion Ratio Lower Upper  
178 100  
176 19.8 16.1 24.1  
179 16.3 13.0 19.4



#72  
Anthracene  
Concen: 45.613 ng  
RT: 17.61 min Scan# 2438  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

Tgt Ion:178 Resp: 790479  
Ion Ratio Lower Upper  
178 100  
176 20.0 15.0 22.4  
179 16.7 12.8 19.2





#73

Carbazole

Concen: 40.878 ng

RT: 17.88 min Scan# 2484

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

Instrument :

BNA\_G

ClientSampled :

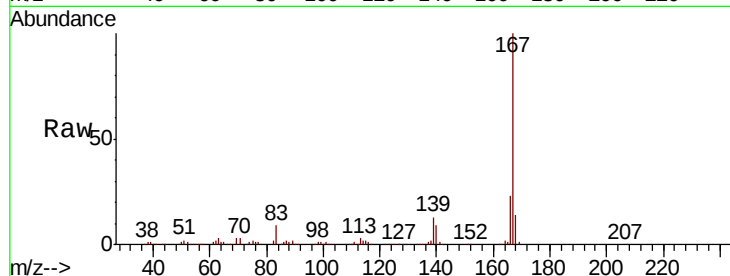
Tot Ion:167 Resp: 708634

Ion Ratio Lower Upper

167 100

166 23.3 18.3 27.5

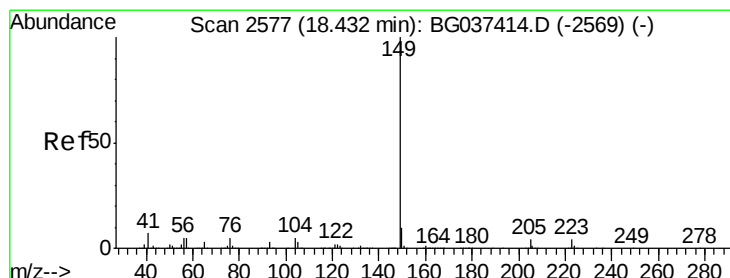
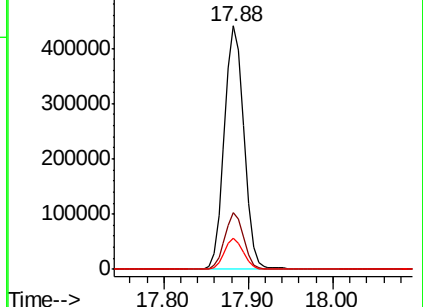
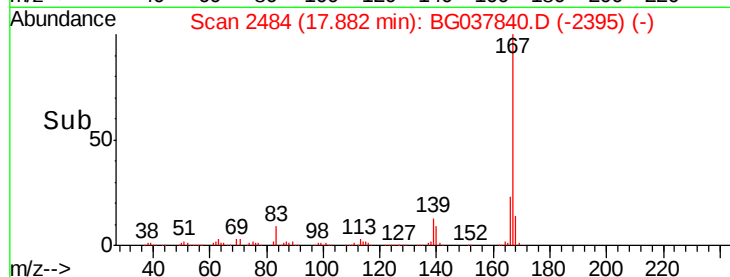
139 12.9 10.5 15.7



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



#74

Di-n-butylphthalate

Concen: 43.549 ng

RT: 18.42 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

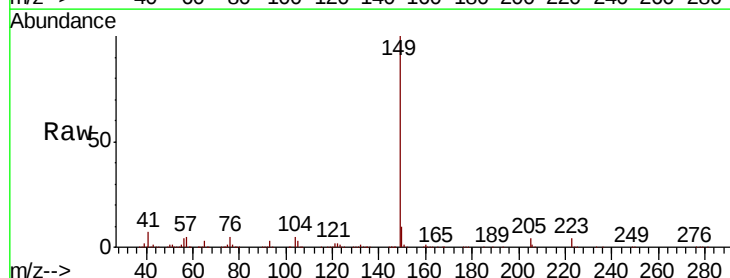
Tgt Ion:149 Resp: 839797

Ion Ratio Lower Upper

149 100

150 10.1 8.2 12.2

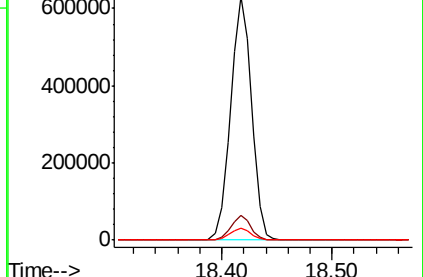
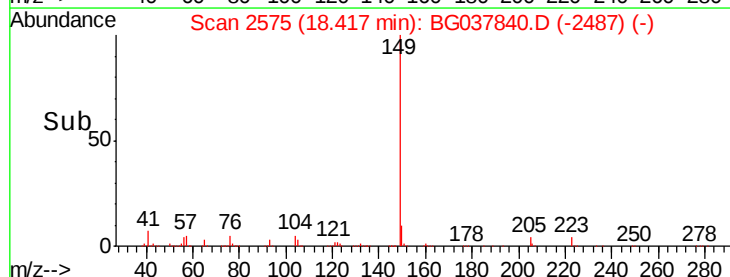
104 5.2 4.0 6.0

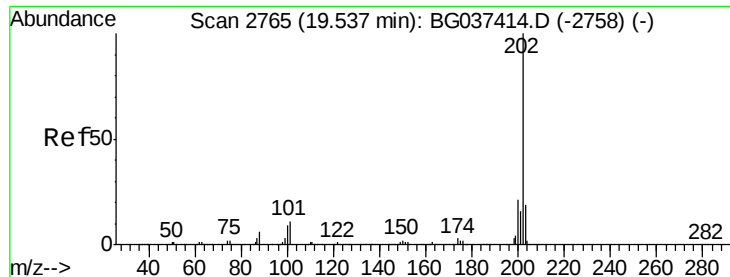


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 44.534 ng

RT: 19.52 min Scan# 2763

Delta R.T. -0.01 min

Lab File: BG037840.D

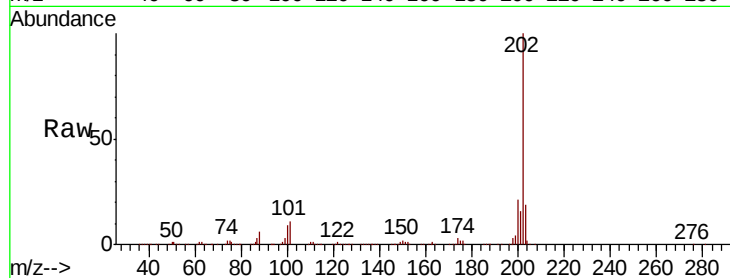
Acq: 6 Nov 2018 16:08

Instrument :

BNA\_G

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 202   | Resp: | 891959 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 10.9  | 0.0   | 30.7   |
| 203      | 18.9  | 0.0   | 38.5   |

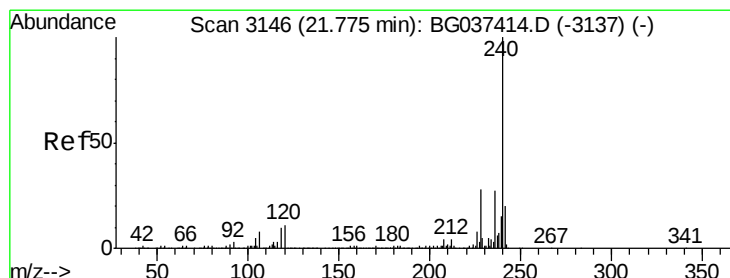
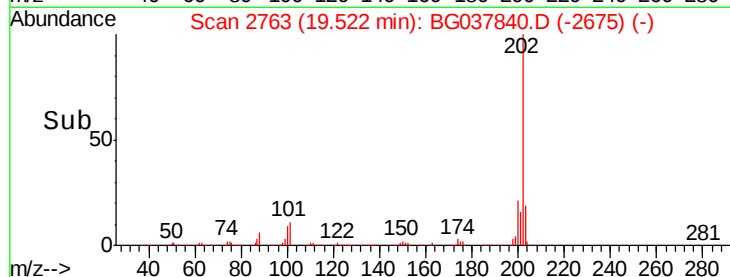
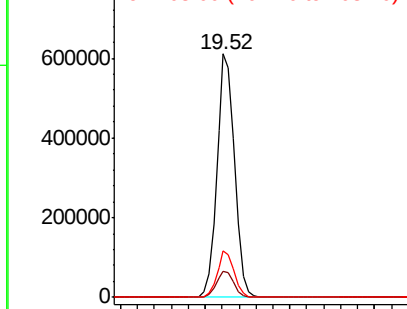


Abundance

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



#76

Chrysene-d12

Concen: 20.000 ng

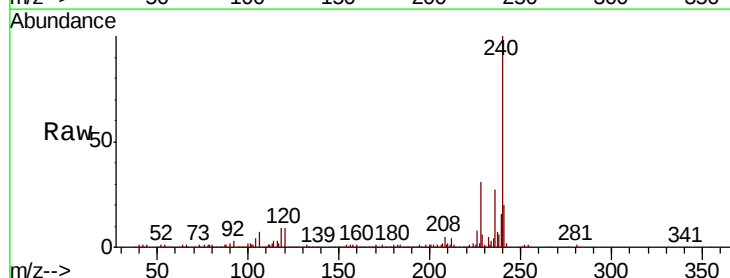
RT: 21.77 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 315457 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 9.4   | 8.1   | 12.1   |
| 236      | 26.8  | 21.4  | 32.0   |

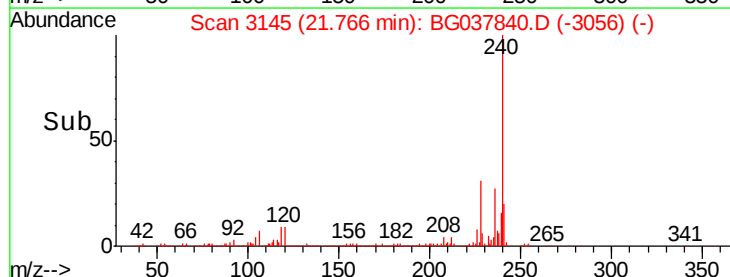
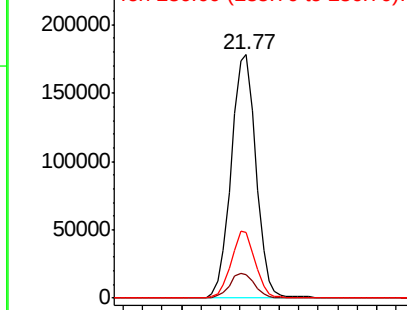


Abundance

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

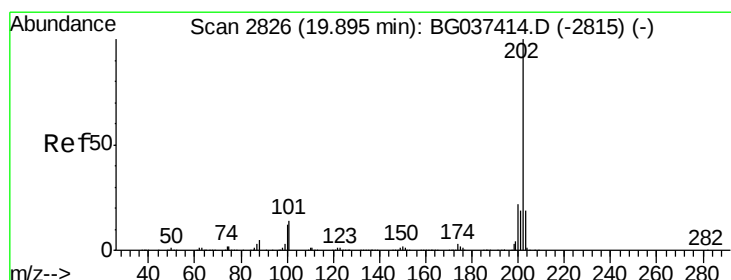
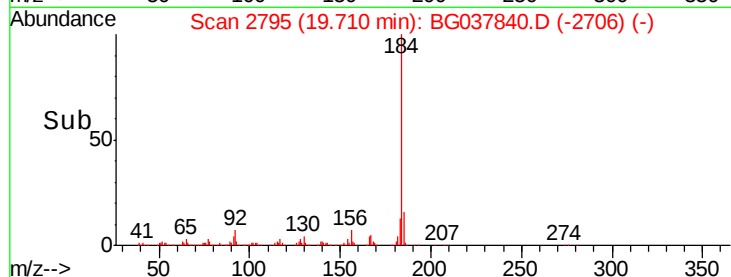
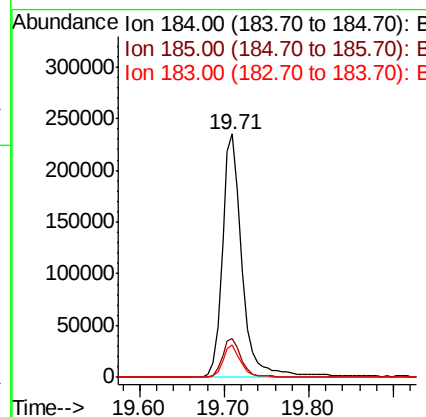
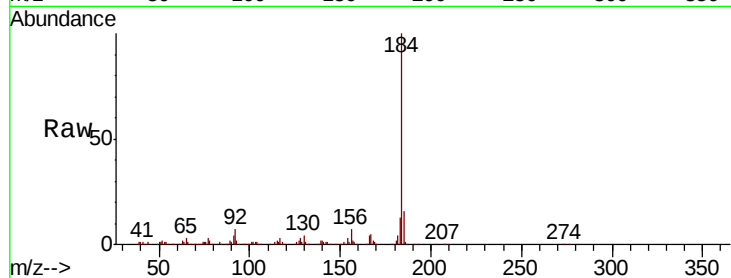




#77  
Benzidine  
Concen: 35.721 ng  
RT: 19.71 min Scan# 2795  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

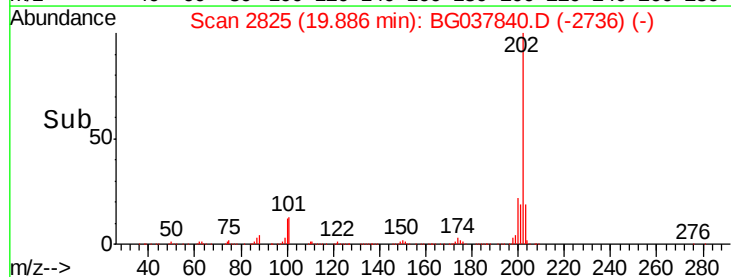
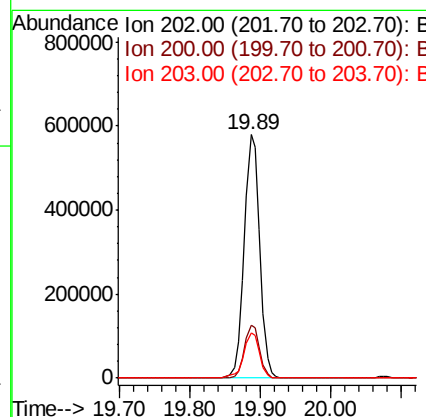
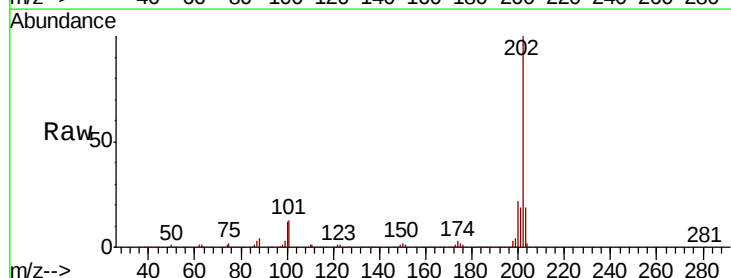
Instrument :  
BNA\_G  
ClientSampleId :

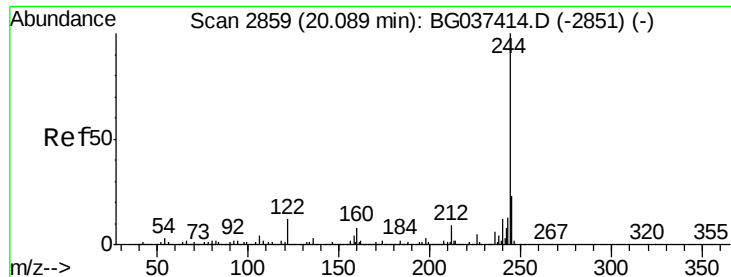
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 15.8  | 12.6  | 18.8  |
| 183     | 13.4  | 10.2  | 15.2  |



#78  
Pyrene  
Concen: 42.886 ng  
RT: 19.89 min Scan# 2825  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.7  | 17.8  | 26.6  |
| 203     | 18.6  | 15.2  | 22.8  |





#79

Terphenyl-d14

Concen: 77.497 ng

RT: 20.07 min Scan# 2857

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

Instrument :

BNA\_G

ClientSampleId :

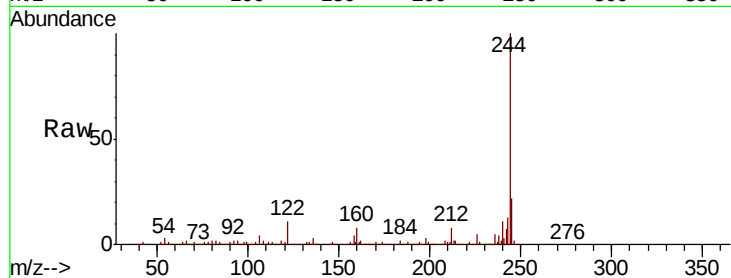
Tot Ion:244 Resp: 1144106

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

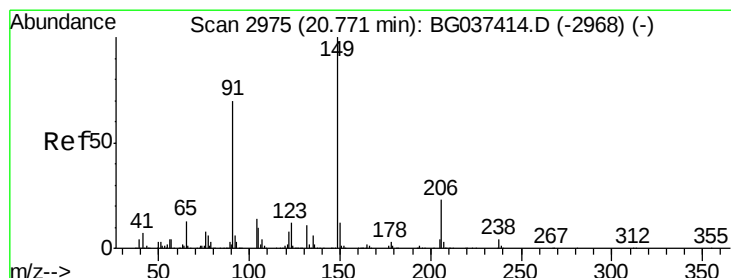
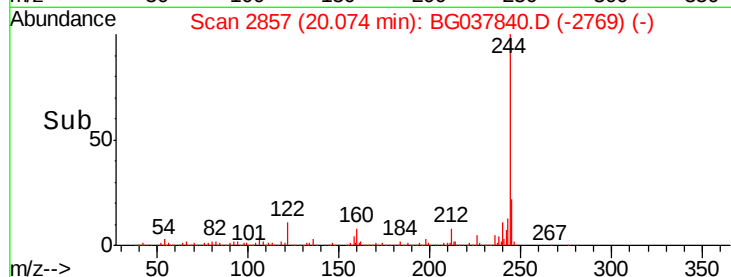
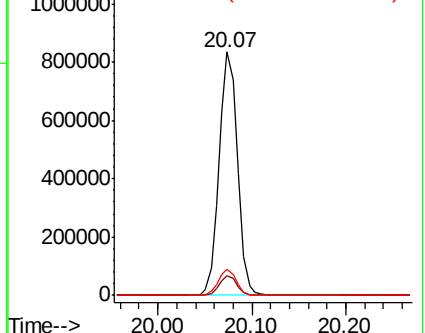
122 10.6 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 45.141 ng

RT: 20.76 min Scan# 2973

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

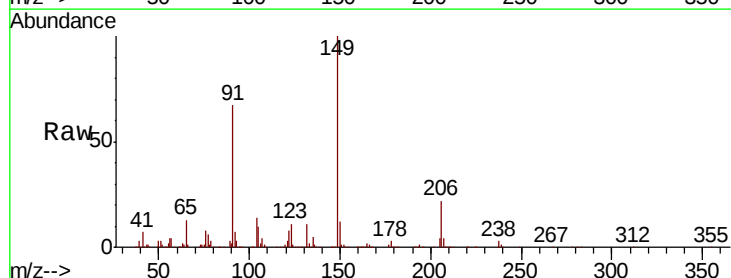
Tgt Ion:149 Resp: 380980

Ion Ratio Lower Upper

149 100

91 66.7 57.0 85.4

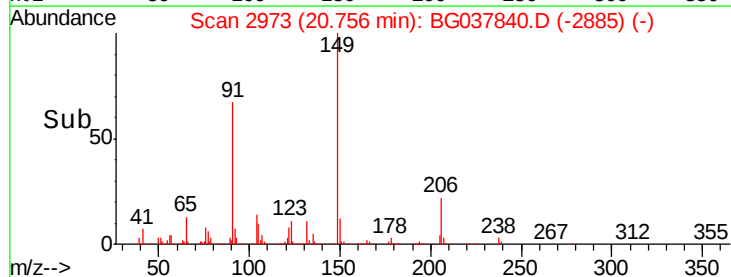
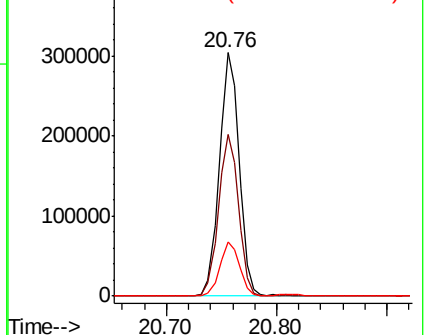
206 22.5 17.8 26.6

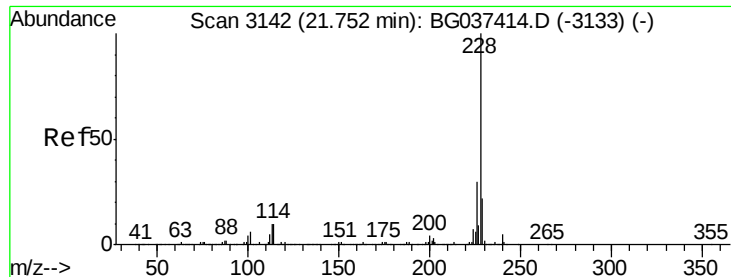


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

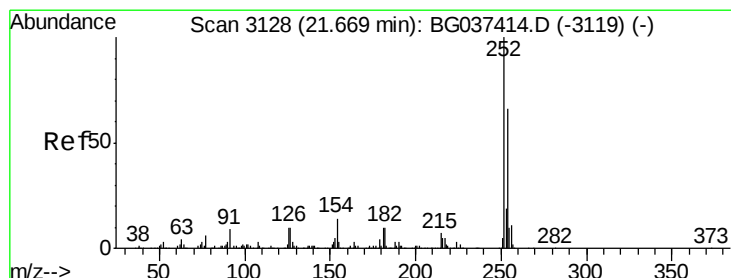
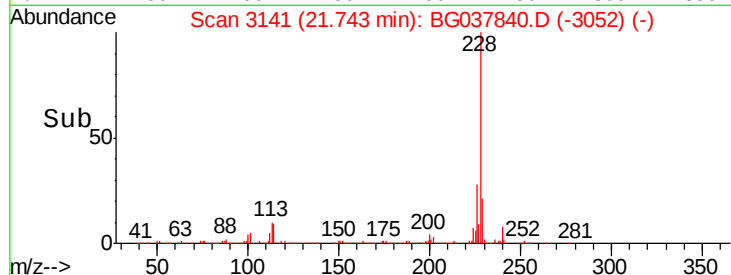
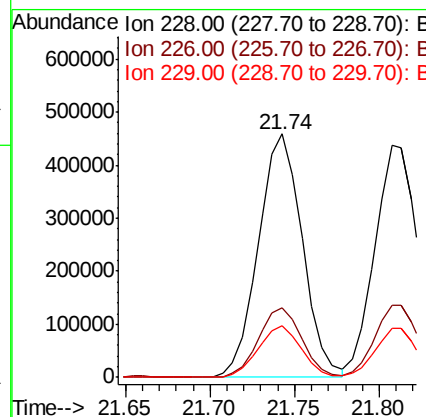
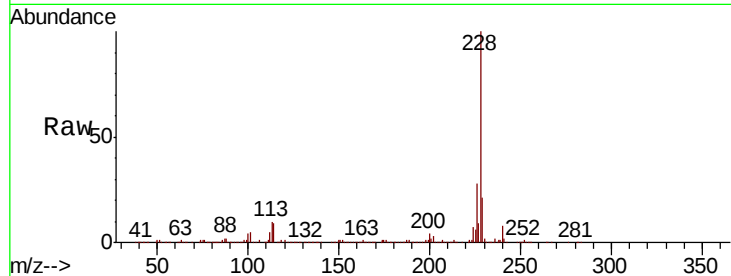




#81  
Benzo(a)anthracene  
Concen: 44.443 ng  
RT: 21.74 min Scan# 3141  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

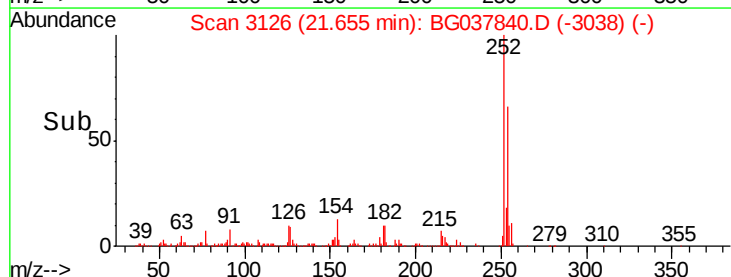
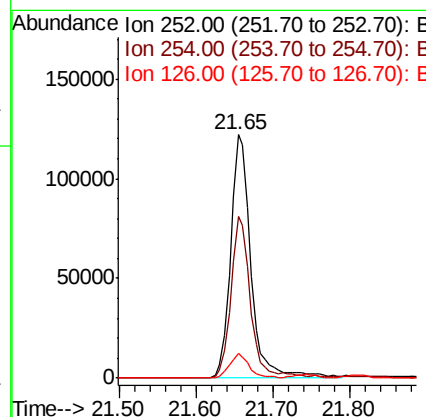
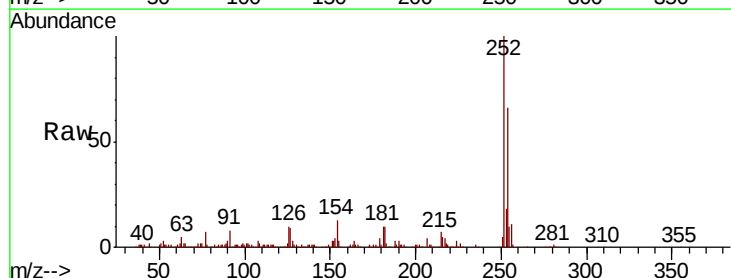
Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.3  | 22.6  | 33.8  |
| 229     | 21.4  | 16.3  | 24.5  |



#82  
3,3'-Dichlorobenzidine  
Concen: 31.240 ng  
RT: 21.65 min Scan# 3126  
Delta R.T. -0.01 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 66.5  | 52.0  | 78.0  |
| 126     | 10.1  | 8.2   | 12.4  |

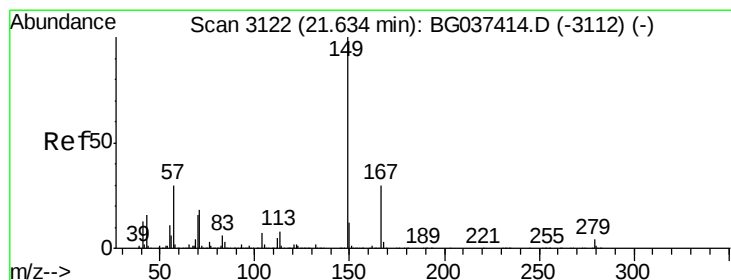
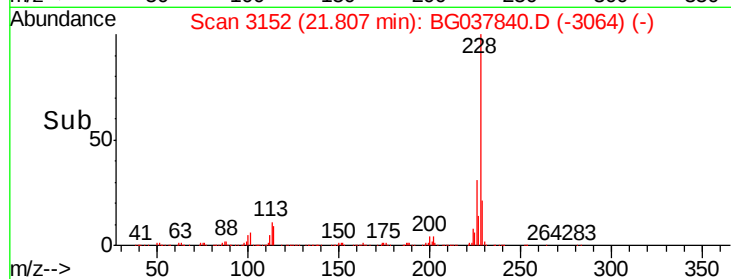
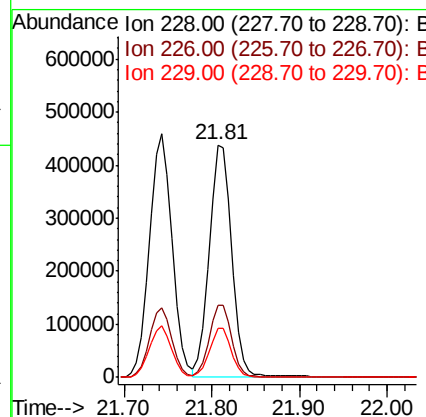
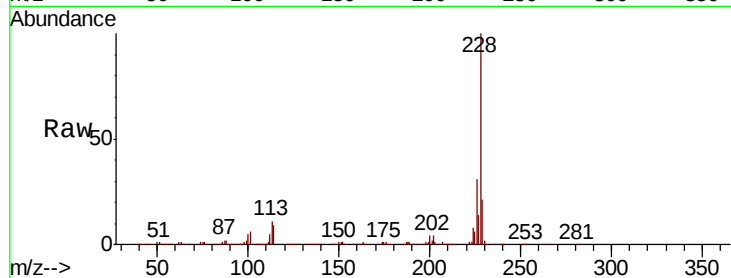




#83  
 Chrysene  
 Concen: 43.635 ng  
 RT: 21.81 min Scan# 3152  
 Delta R.T. -0.01 min  
 Lab File: BG037840.D  
 Acq: 6 Nov 2018 16:08

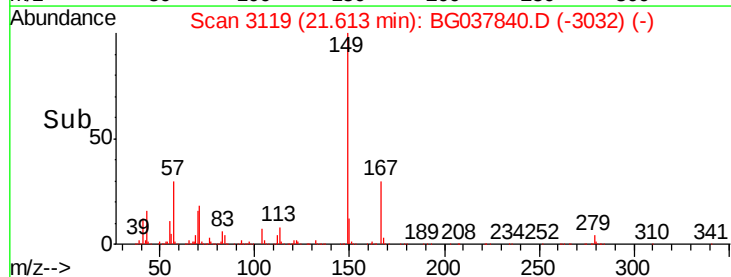
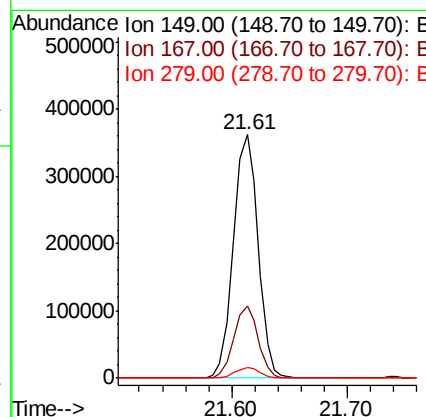
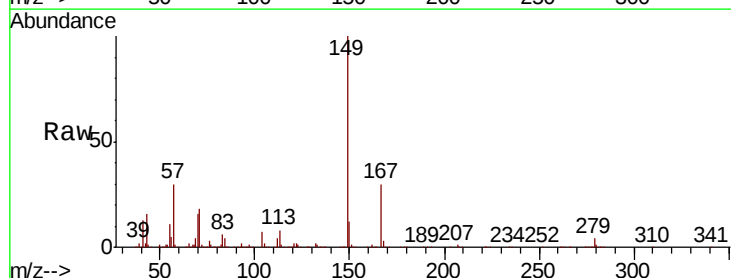
Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.0  | 25.7  | 38.5  |
| 229     | 21.1  | 16.5  | 24.7  |



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 45.325 ng  
 RT: 21.61 min Scan# 3119  
 Delta R.T. -0.02 min  
 Lab File: BG037840.D  
 Acq: 6 Nov 2018 16:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 29.7  | 23.0  | 34.4  |
| 279     | 4.5   | 3.6   | 5.4   |

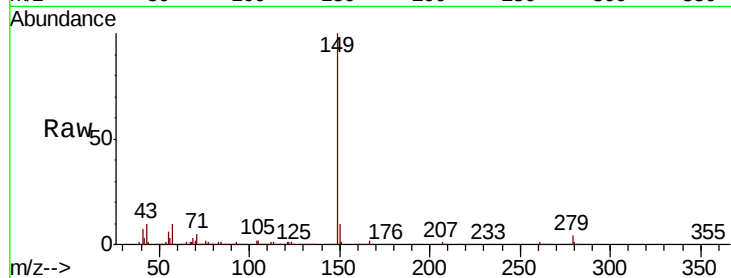




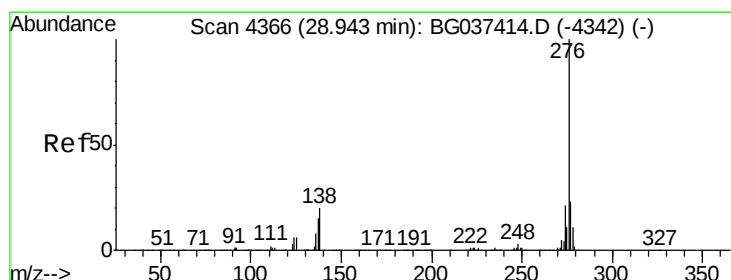
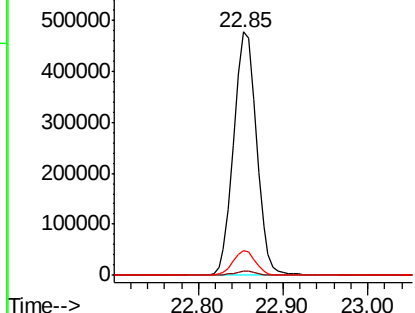
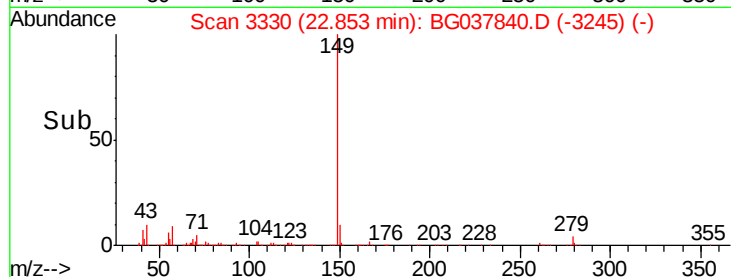
#85  
Di-n-octyl phthalate  
Concen: 46.038 ng  
RT: 22.85 min Scan# 3330  
Delta R.T. -0.03 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:149 Resp: 888119  
Ion Ratio Lower Upper  
149 100  
167 1.7 1.3 1.9  
43 9.8 8.7 13.1

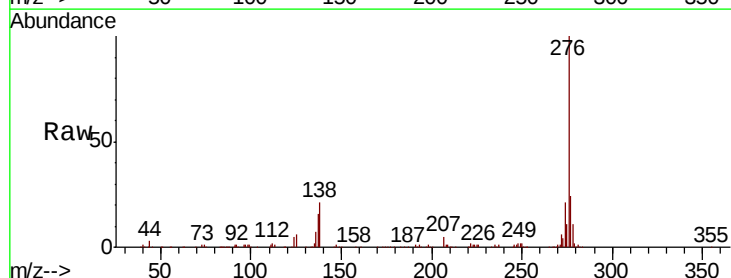


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): B

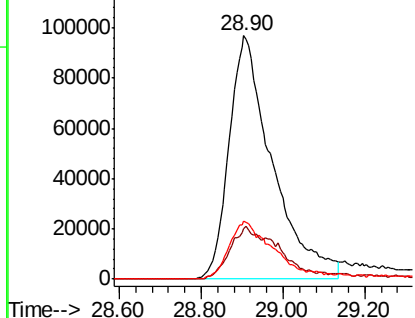
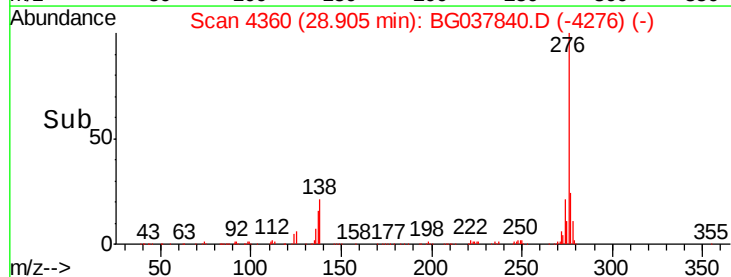


#86  
Indeno(1,2,3-cd)pyrene  
Concen: 36.851 ng  
RT: 28.90 min Scan# 4360  
Delta R.T. -0.04 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

Tgt Ion:276 Resp: 709149  
Ion Ratio Lower Upper  
276 100  
138 13.9 12.0 18.0  
277 24.4 20.6 30.8



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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.09 min Scan# 3711

Delta R.T. -0.02 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

Instrument :

BNA\_G

ClientSampleId :

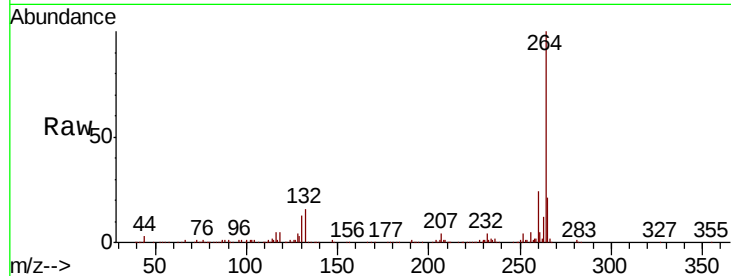
Tot Ion:264 Resp: 312242

Ion Ratio Lower Upper

264 100

260 23.9 18.2 27.4

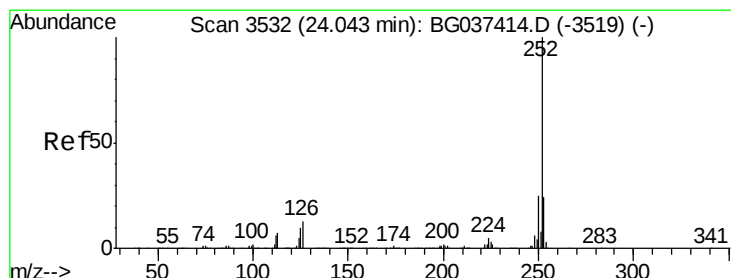
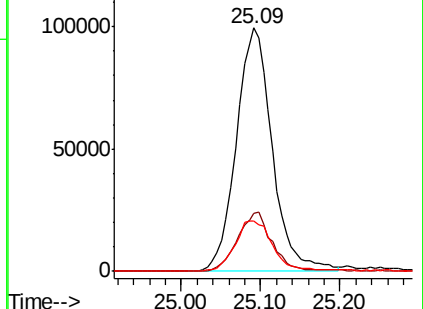
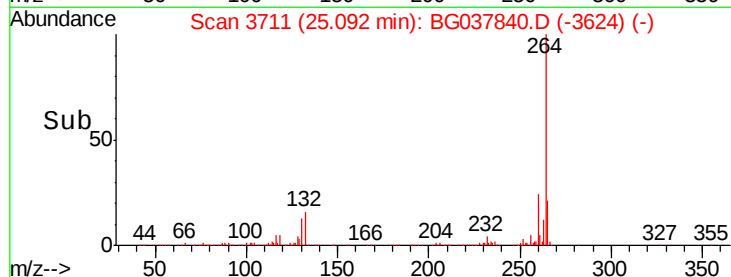
265 20.7 17.9 26.9



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



#88

Benzo(b)fluoranthene

Concen: 45.155 ng

RT: 24.03 min Scan# 3530

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

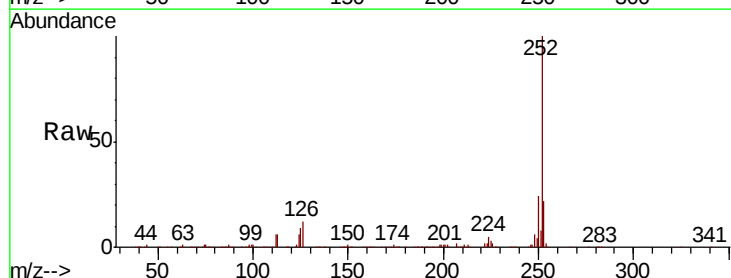
Tgt Ion:252 Resp: 772973

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.2

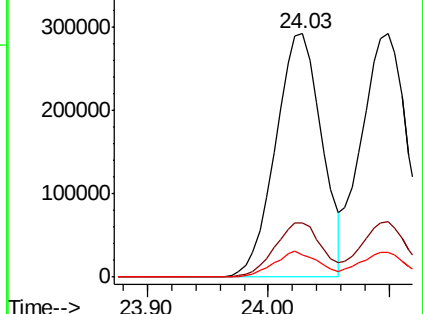
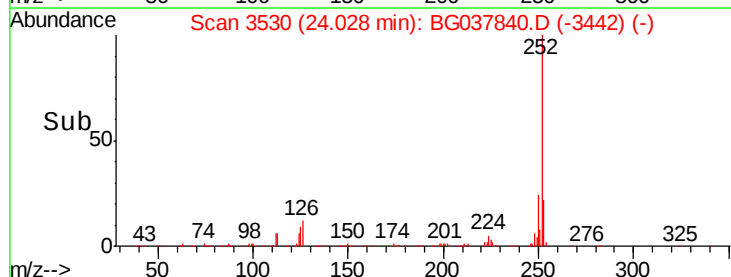
125 9.1 7.8 11.6

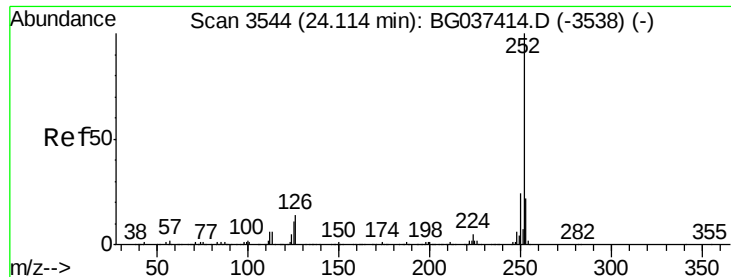


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 47.596 ng

RT: 24.10 min Scan# 3542

Delta R.T. -0.01 min

Lab File: BG037840.D

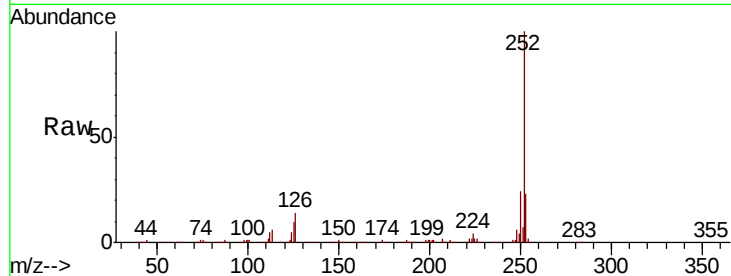
Acq: 6 Nov 2018 16:08

Instrument :

BNA\_G

ClientSampleId :

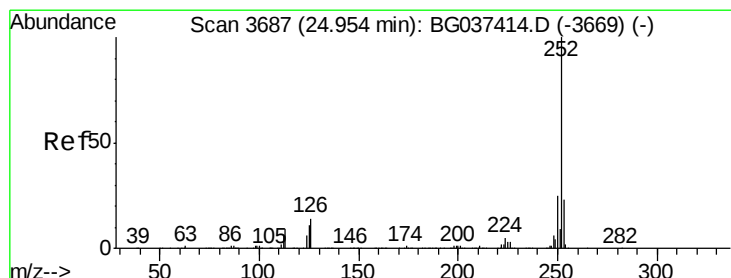
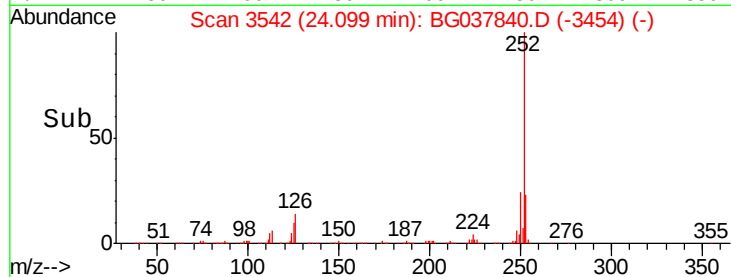
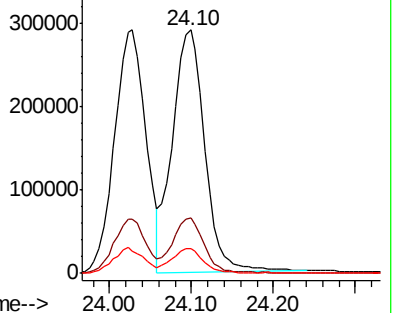
|             |       |           |
|-------------|-------|-----------|
| Tot Ion:252 | Resp: | 798239    |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 22.9  | 17.4 26.2 |
| 125         | 10.3  | 7.4 11.0  |



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 47.048 ng

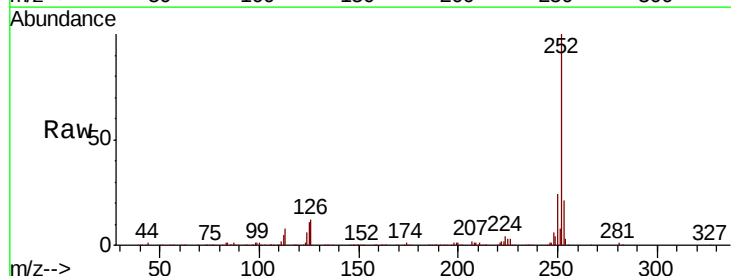
RT: 24.94 min Scan# 3685

Delta R.T. -0.01 min

Lab File: BG037840.D

Acq: 6 Nov 2018 16:08

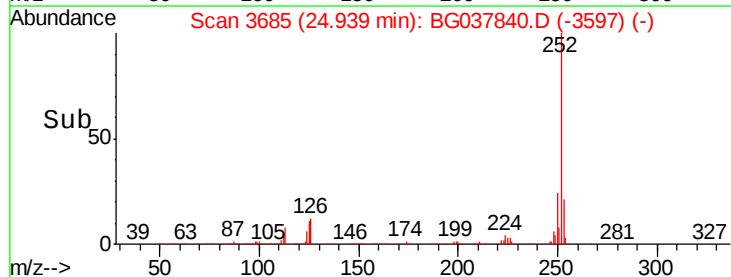
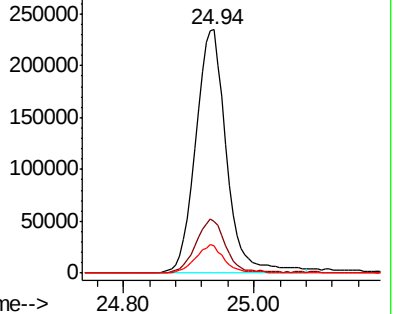
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 765301    |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 21.4  | 17.4 26.2 |
| 125         | 11.1  | 9.0 13.6  |

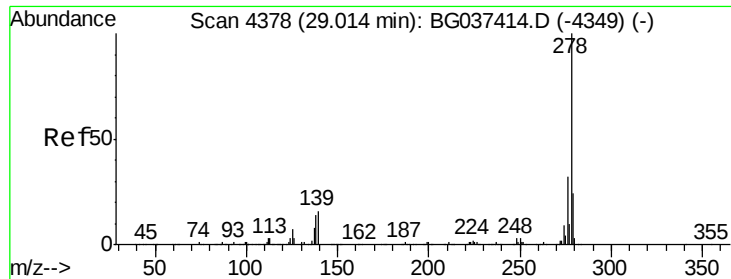


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

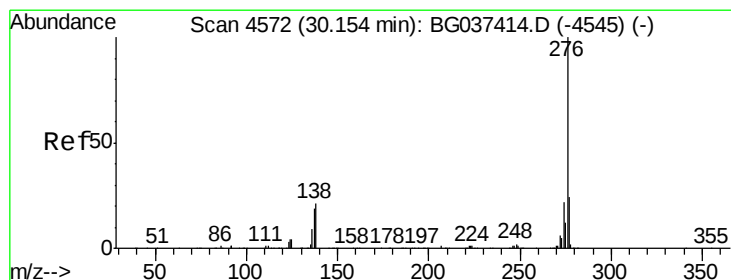
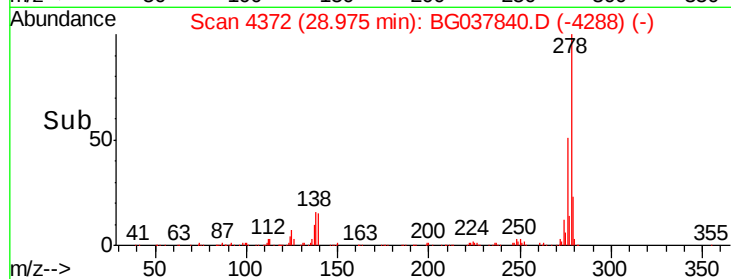
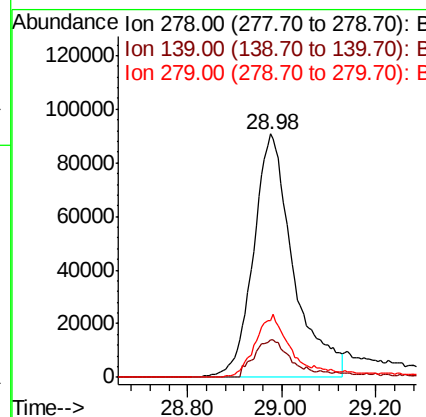
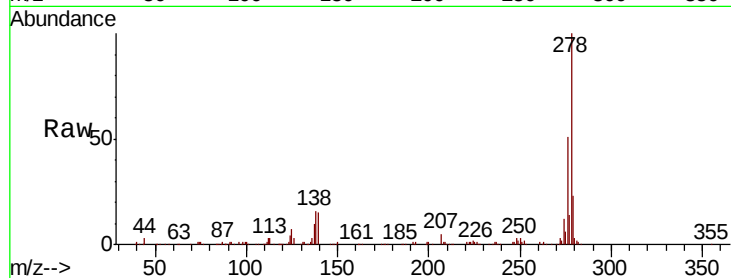




#91  
Dibenzo(a,h)anthracene  
Concen: 35.653 ng  
RT: 28.98 min Scan# 4372  
Delta R.T. -0.04 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 15.3  | 11.5  | 17.3  |
| 279     | 23.2  | 18.6  | 27.8  |



#92  
Benzo(g,h,i)perylene  
Concen: 40.092 ng  
RT: 30.11 min Scan# 4565  
Delta R.T. -0.04 min  
Lab File: BG037840.D  
Acq: 6 Nov 2018 16:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.9  | 18.9  | 28.3  |
| 138     | 20.8  | 17.2  | 25.8  |

