

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110118\  
 Data File : BG037740.D  
 Acq On : 2 Nov 2018 4:58  
 Operator : JU/SJ  
 Sample : J5192-06MSD  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 02 07:16:14 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 | 8.10  | 152  | 59791    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.92 | 136  | 269206   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.74 | 164  | 177613   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.48 | 188  | 397594   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.77 | 240  | 353723   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 25.11 | 264  | 357665   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.64  | 112 | 401562  | 112.28 | ng | 0.00  |
| 7) Phenol-d6             | 7.25  | 99  | 538340  | 99.55  | ng | 0.00  |
| 23) Nitrobenzene-d5      | 9.28  | 82  | 392565  | 81.69  | ng | 0.00  |
| 42) 2,4,6-Tribromophenol | 16.22 | 330 | 249686  | 128.89 | ng | 0.00  |
| 45) 2-Fluorobiphenyl     | 13.36 | 172 | 931880  | 79.12  | ng | -0.01 |
| 79) Terphenyl-d14        | 20.08 | 244 | 1396792 | 84.38  | ng | 0.00  |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.53  | 88  | 52545  | 28.972 | ng | # 90   |
| 3) Pyridine                    | 3.94  | 79  | 145866 | 31.910 | ng | 92     |
| 4) n-Nitrosodimethylamine      | 3.86  | 42  | 75063  | 46.102 | ng | 93     |
| 6) Aniline                     | 7.43  | 93  | 130926 | 19.846 | ng | 98     |
| 8) 2-Chlorophenol              | 7.66  | 128 | 202362 | 48.368 | ng | 99     |
| 9) Benzaldehyde                | 7.24  | 77  | 145054 | 42.879 | ng | 100    |
| 10) Phenol                     | 7.27  | 94  | 227559 | 39.882 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.52  | 93  | 194363 | 44.850 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 7.99  | 146 | 203960 | 43.790 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 8.14  | 146 | 211640 | 44.422 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.46  | 146 | 203137 | 44.324 | ng | 97     |
| 15) Benzyl Alcohol             | 8.34  | 79  | 188344 | 47.135 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.62  | 45  | 353483 | 45.587 | ng | 97     |
| 17) 2-Methylphenol             | 8.53  | 107 | 184179 | 48.825 | ng | 99     |
| 18) Hexachloroethane           | 9.18  | 117 | 75682  | 46.595 | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 8.91  | 70  | 168950 | 45.369 | ng | 93     |
| 20) 3+4-Methylphenols          | 8.86  | 107 | 254775 | 47.239 | ng | 97     |
| 22) Acetophenone               | 8.93  | 105 | 317932 | 47.090 | ng | # 98   |
| 24) Nitrobenzene               | 9.32  | 77  | 247236 | 49.523 | ng | 92     |
| 25) Isophorone                 | 9.84  | 82  | 481621 | 54.850 | ng | 97     |
| 26) 2-Nitrophenol              | 10.03 | 139 | 121732 | 54.127 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 10.07 | 122 | 220179 | 54.832 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 10.32 | 93  | 289486 | 50.320 | ng | 96     |
| 29) 2,4-Dichlorophenol         | 10.56 | 162 | 228630 | 51.137 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.78 | 180 | 233410 | 48.007 | ng | 95     |
| 31) Naphthalene                | 10.97 | 128 | 692118 | 52.343 | ng | 99     |
| 32) Benzoic acid               | 10.19 | 122 | 116857 | 44.805 | ng | 98     |
| 33) 4-Chloroaniline            | 11.09 | 127 | 29876  | 4.809  | ng | 96     |
| 34) Hexachlorobutadiene        | 11.23 | 225 | 136487 | 47.365 | ng | 99     |
| 35) Caprolactam                | 11.87 | 113 | 42747  | 23.839 | ng | 95     |
| 36) 4-Chloro-3-methylphenol    | 12.19 | 107 | 251861 | 49.951 | ng | 98     |
| 37) 2-Methylnaphthalene        | 12.57 | 142 | 529882 | 54.974 | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.79 | 142 | 504358 | 53.880 | ng | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.93 | 216 | 281751 | 49.180 | ng | 99     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110118\  
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 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

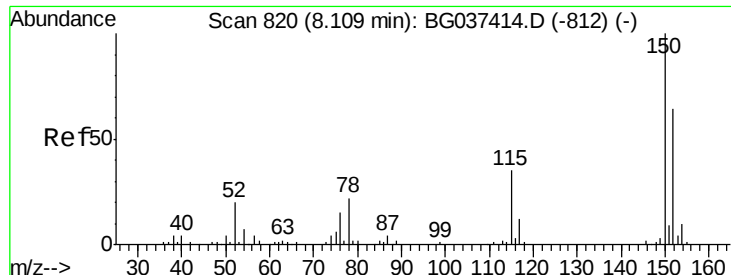
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 02 07:16:14 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  | 12.90 | 237  | 324814   | 118.693 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol      | 13.17 | 196  | 199715   | 52.180  | ng    | 100      |
| 44) 2,4,5-Trichlorophenol      | 13.24 | 196  | 216819   | 52.030  | ng    | 98       |
| 46) 1,1'-Biphenyl              | 13.57 | 154  | 686690   | 46.684  | ng    | 98       |
| 47) 2-Chloronaphthalene        | 13.62 | 162  | 544053   | 48.889  | ng    | 97       |
| 48) 2-Nitroaniline             | 13.83 | 65   | 179552   | 53.206  | ng    | 91       |
| 49) Acenaphthylene             | 14.46 | 152  | 879416   | 52.534  | ng    | 99       |
| 50) Dimethylphthalate          | 14.18 | 163  | 687278   | 50.019  | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.31 | 165  | 161223   | 53.040  | ng    | 95       |
| 52) Acenaphthene               | 14.80 | 154  | 523305   | 50.759  | ng    | 98       |
| 53) 3-Nitroaniline             | 14.65 | 138  | 77479    | 22.960  | ng    | 95       |
| 54) 2,4-Dinitrophenol          | 14.85 | 184  | 108106   | 80.076  | ng    | 97       |
| 55) Dibenzofuran               | 15.13 | 168  | 830937   | 48.646  | ng    | 97       |
| 56) 4-Nitrophenol              | 14.94 | 139  | 290644   | 116.362 | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 15.10 | 165  | 221186   | 55.434  | ng    | 93       |
| 58) Fluorene                   | 15.78 | 166  | 672944   | 52.609  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.35 | 232  | 182201   | 51.066  | ng    | 98       |
| 60) Diethylphthalate           | 15.54 | 149  | 705321   | 49.999  | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.76 | 204  | 358682   | 48.109  | ng    | 99       |
| 62) 4-Nitroaniline             | 15.81 | 138  | 168607   | 50.284  | ng    | 91       |
| 63) Azobenzene                 | 16.06 | 77   | 663469   | 49.294  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.86 | 198  | 104721   | 49.804  | ng    | 97       |
| 66) n-Nitrosodiphenylamine     | 15.99 | 169  | 610993   | 51.088  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.66 | 248  | 225519   | 51.651  | ng    | 99       |
| 68) Hexachlorobenzene          | 16.78 | 284  | 227083   | 50.182  | ng    | 98       |
| 69) Atrazine                   | 16.93 | 200  | 227261   | 52.557  | ng    | 100      |
| 70) Pentachlorophenol          | 17.12 | 266  | 253858   | 83.750  | ng    | 98       |
| 71) Phenanthrene               | 17.53 | 178  | 1080340  | 53.464  | ng    | 99       |
| 72) Anthracene                 | 17.62 | 178  | 1089701  | 54.951  | ng    | 97       |
| 73) Carbazole                  | 17.89 | 167  | 992510   | 50.035  | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.42 | 149  | 1163488  | 52.727  | ng    | 99       |
| 75) Fluoranthene               | 19.53 | 202  | 1224165  | 53.414  | ng    | 98       |
| 77) Benzidine                  | 19.71 | 184  | 163439   | 13.589  | ng    | 97       |
| 78) Pyrene                     | 19.90 | 202  | 1223224  | 52.900  | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.76 | 149  | 536184   | 56.658  | ng    | 96       |
| 81) Benzo(a)anthracene         | 21.75 | 228  | 1145325  | 54.742  | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine     | 21.66 | 252  | 192571   | 23.746  | ng    | 100      |
| 83) Chrysene                   | 21.82 | 228  | 1070214  | 53.196  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 21.62 | 149  | 753272   | 56.786  | ng    | 99       |
| 85) Di-n-octyl phthalate       | 22.86 | 149  | 1254607  | 58.001  | ng    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.93 | 276  | 1007286  | 46.681  | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 24.04 | 252  | 1100428  | 56.120  | ng    | 98       |
| 89) Benzo(k)fluoranthene       | 24.11 | 252  | 1072992  | 55.853  | ng    | 97       |
| 90) Benzo(a)pyrene             | 24.95 | 252  | 1073695  | 57.624  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 29.00 | 278  | 785158   | 45.683  | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 30.13 | 276  | 828369   | 47.639  | ng    | 98       |

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



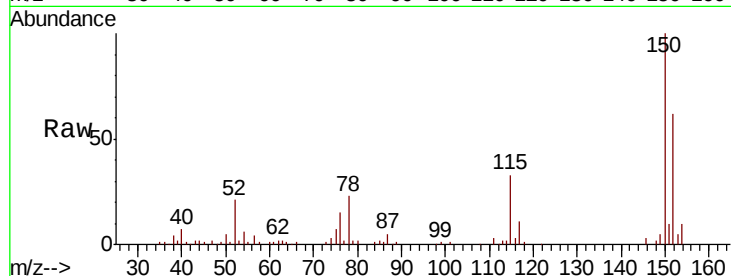


#1

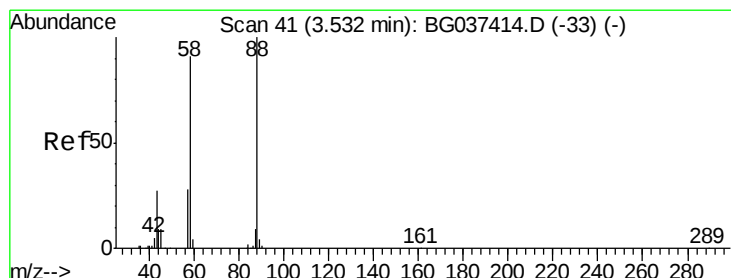
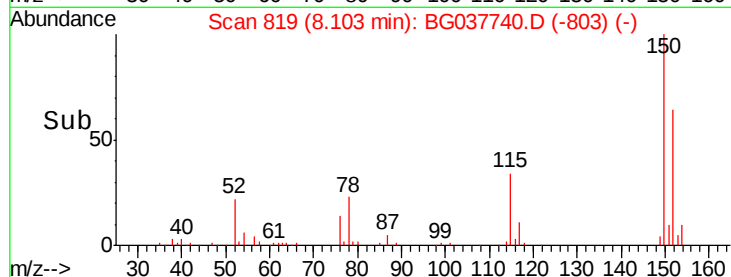
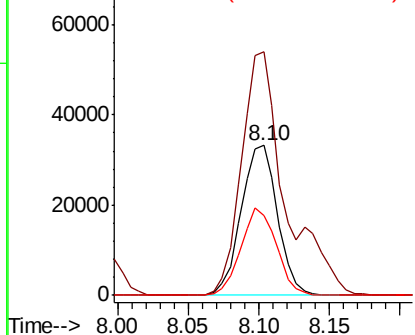
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.10 min Scan# 819  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 59791  
Ion Ratio Lower Upper  
152 100  
150 162.3 126.0 189.0  
115 53.4 45.5 68.3



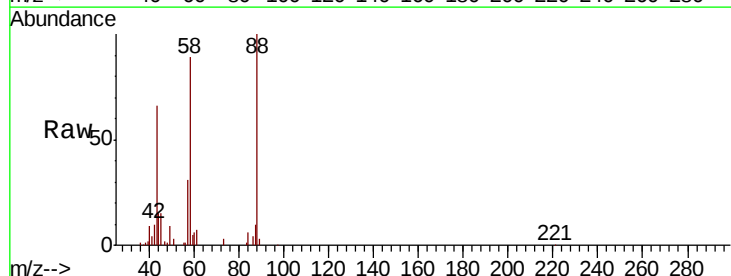
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



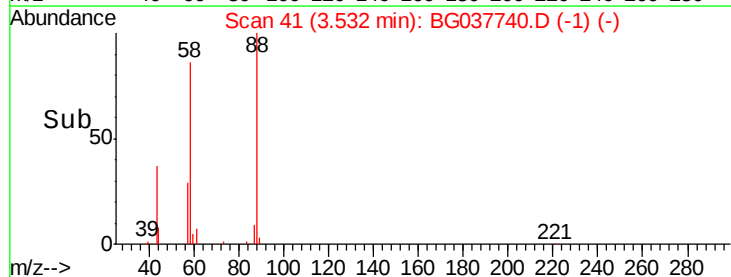
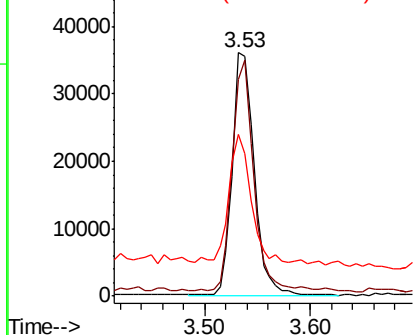
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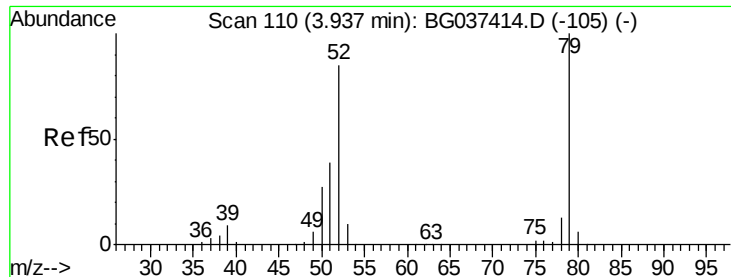
1,4-Dioxane  
Concen: 28.972 ng  
RT: 3.53 min Scan# 41  
Delta R.T. 0.00 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

Tgt Ion: 88 Resp: 52545  
Ion Ratio Lower Upper  
88 100  
58 91.2 74.4 111.6  
43 51.7 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: 31.910 ng

RT: 3.94 min Scan# 111

Delta R.T. 0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

Instrument :

BNA\_G

ClientSampleId :

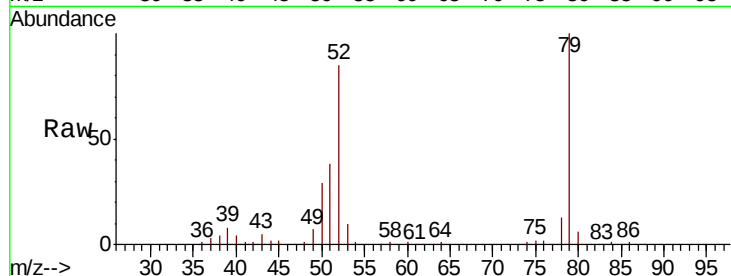
Tot Ion: 79 Resp: 145866

Ion Ratio Lower Upper

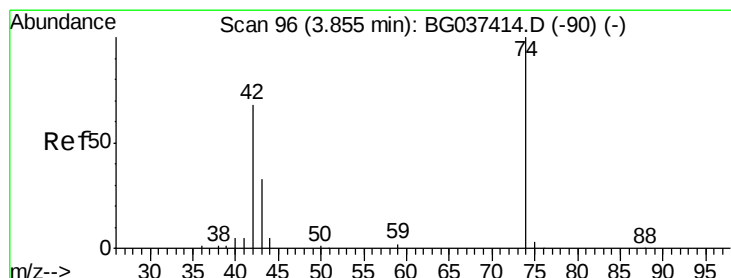
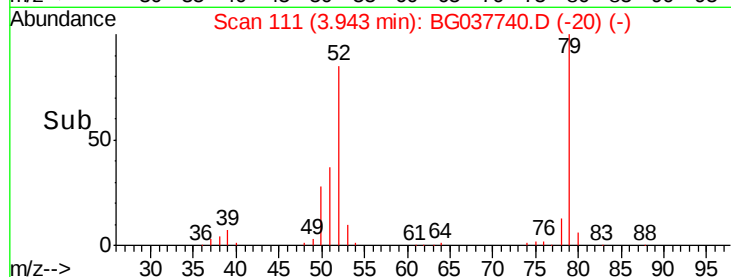
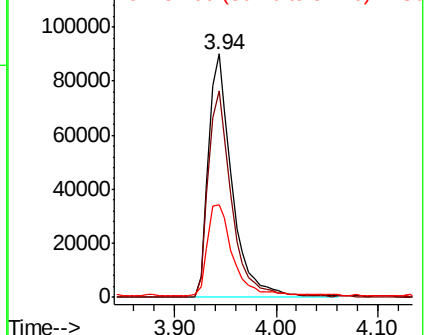
79 100

52 84.6 74.2 111.2

51 38.0 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: 46.102 ng

RT: 3.86 min Scan# 96

Delta R.T. 0.00 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

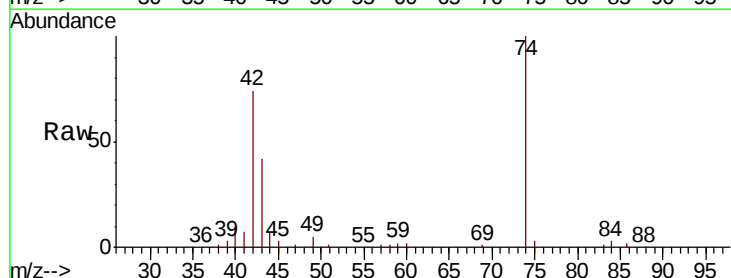
Tgt Ion: 42 Resp: 75063

Ion Ratio Lower Upper

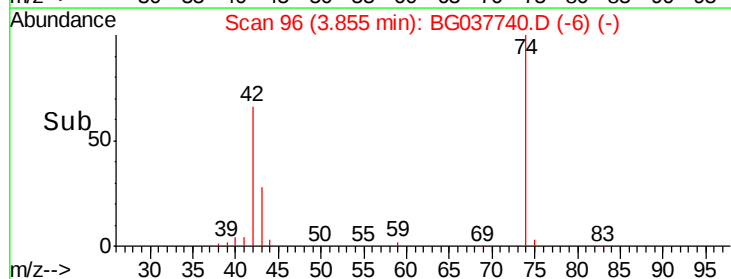
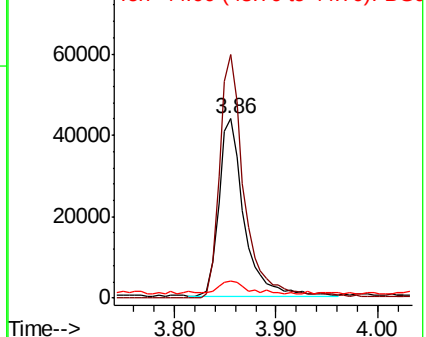
42 100

74 135.7 102.0 153.0

44 9.7 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: 112.283 ng

RT: 5.64 min Scan# 400

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

Instrument :

BNA\_G

ClientSampleId :

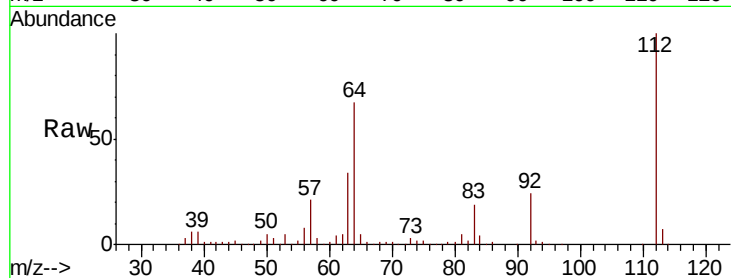
Tot Ion:112 Resp: 401562

Ion Ratio Lower Upper

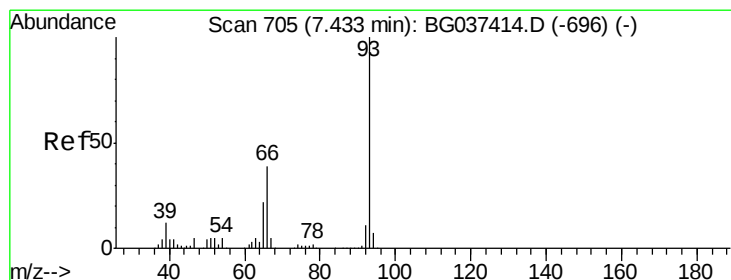
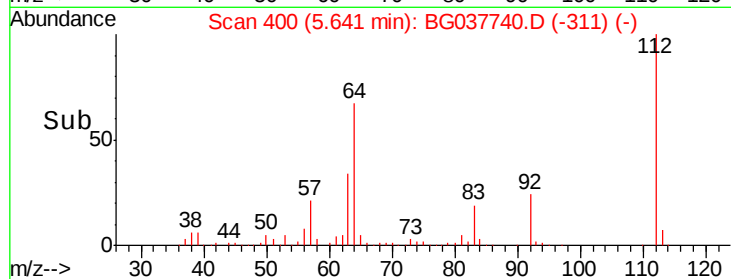
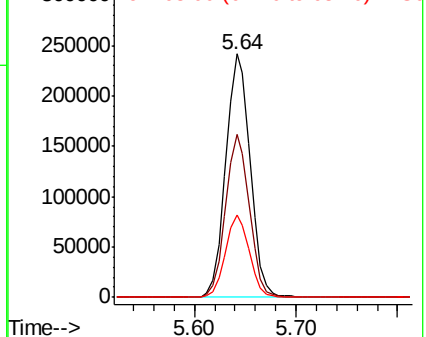
112 100

64 67.0 53.1 79.7

63 33.6 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: 19.846 ng

RT: 7.43 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

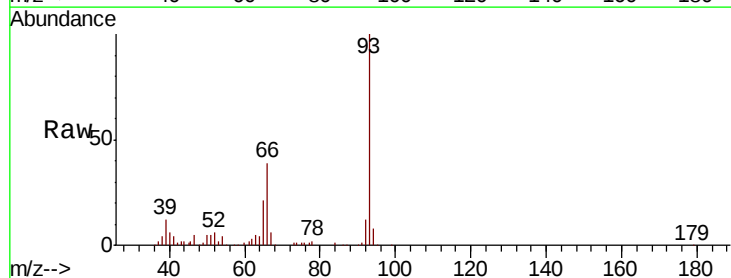
Tgt Ion: 93 Resp: 130926

Ion Ratio Lower Upper

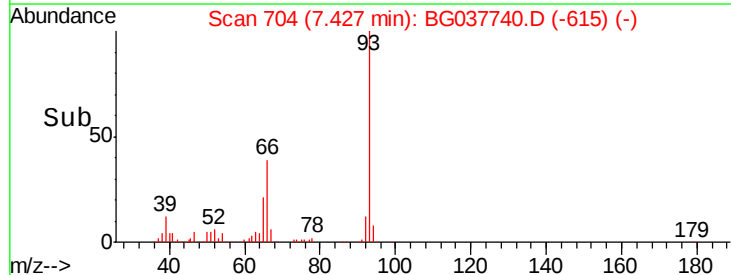
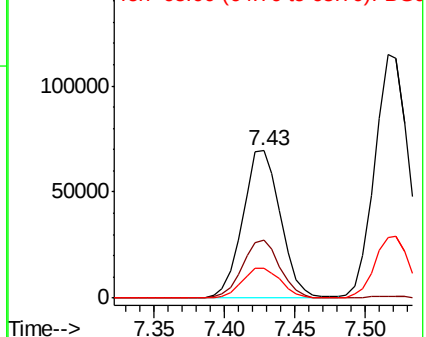
93 100

66 39.2 32.8 49.2

65 20.6 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: 99.548 ng

RT: 7.25 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

Instrument :

BNA\_G

ClientSampleId :

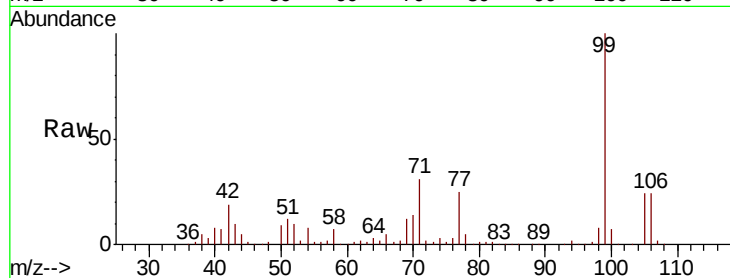
Tot Ion: 99 Resp: 538340

Ion Ratio Lower Upper

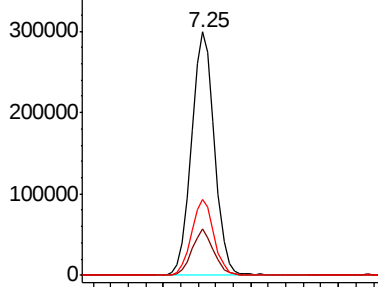
99 100

42 19.0 15.0 22.4

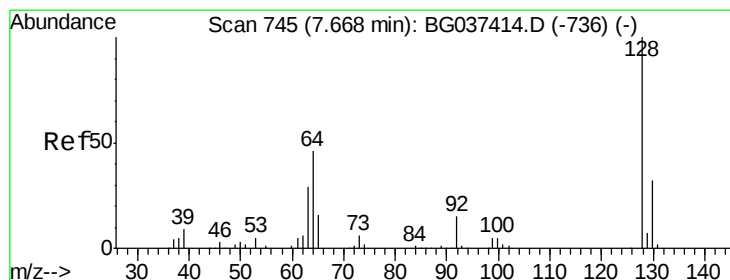
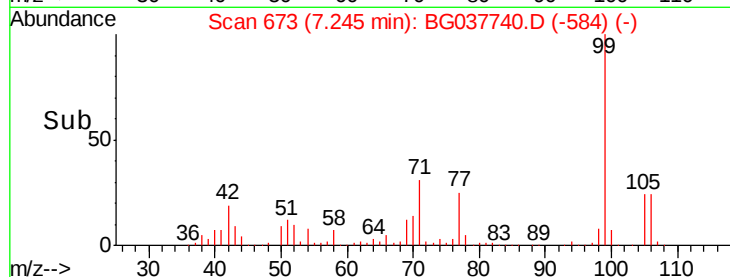
71 31.3 25.5 38.3



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



Time-->



#8

2-Chlorophenol

Concen: 48.368 ng

RT: 7.66 min Scan# 743

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

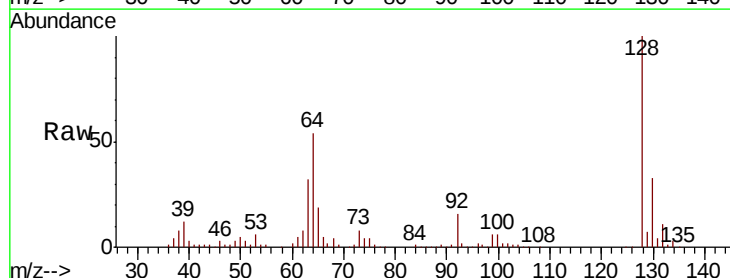
Tgt Ion:128 Resp: 202362

Ion Ratio Lower Upper

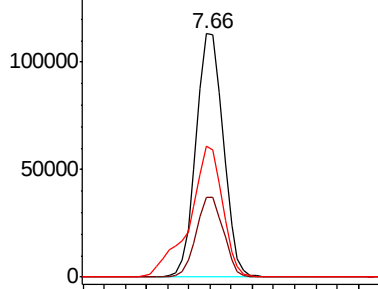
128 100

130 32.8 12.0 52.0

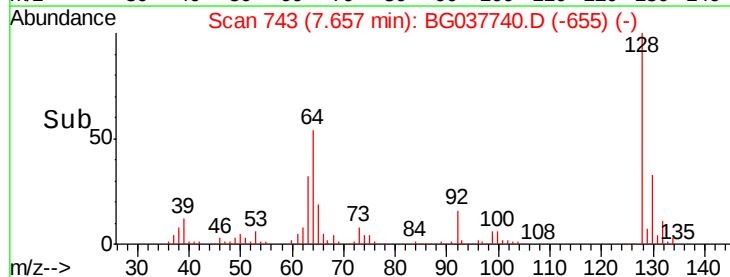
64 53.9 32.9 72.9

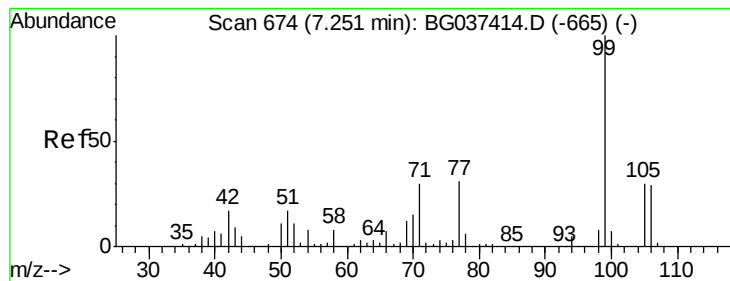


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BGC



Time-->





#9

Benzaldehyde

Concen: 42.879 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

Instrument :

BNA\_G

ClientSampled :

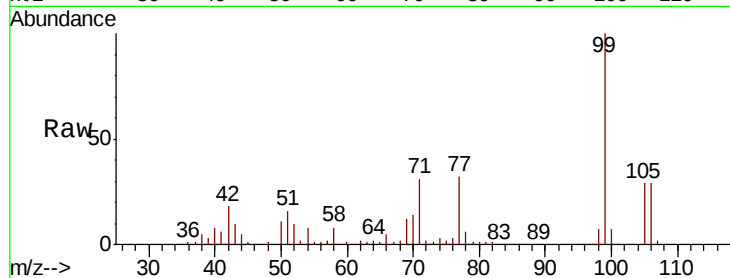
Tot Ion: 77 Resp: 145054

Ion Ratio Lower Upper

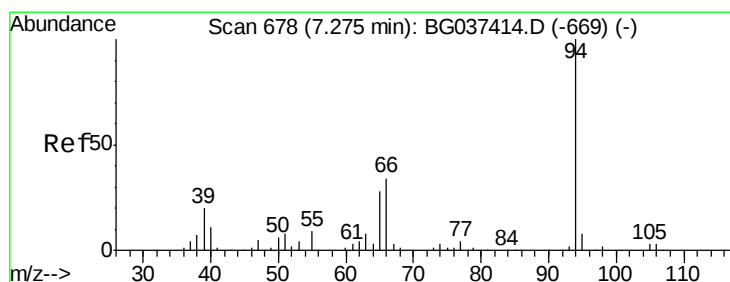
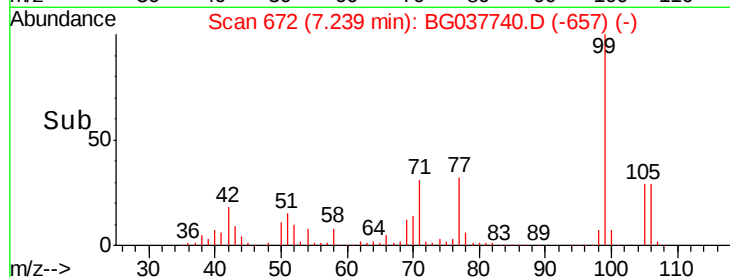
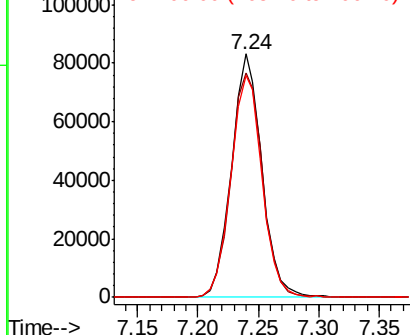
77 100

105 92.3 72.6 112.6

106 91.0 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: 39.882 ng

RT: 7.27 min Scan# 678

Delta R.T. 0.00 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

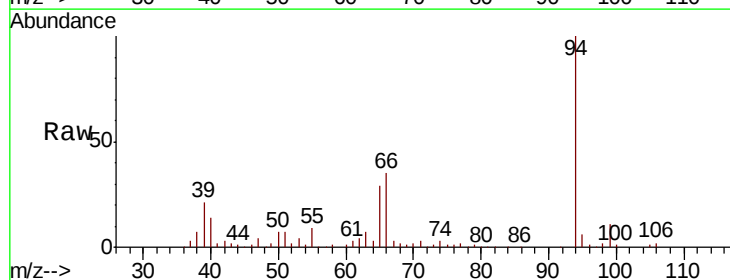
Tgt Ion: 94 Resp: 227559

Ion Ratio Lower Upper

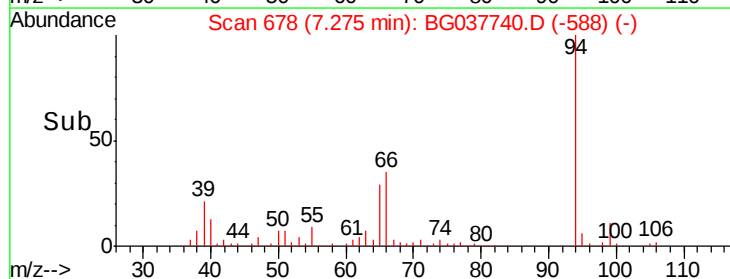
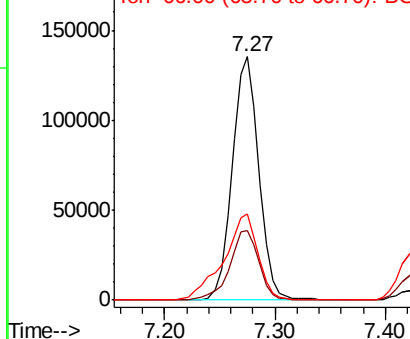
94 100

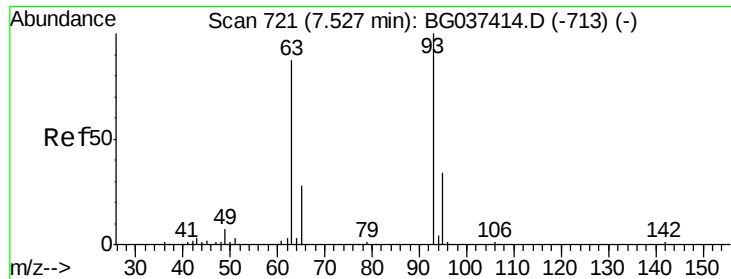
65 28.8 9.7 49.7

66 35.2 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

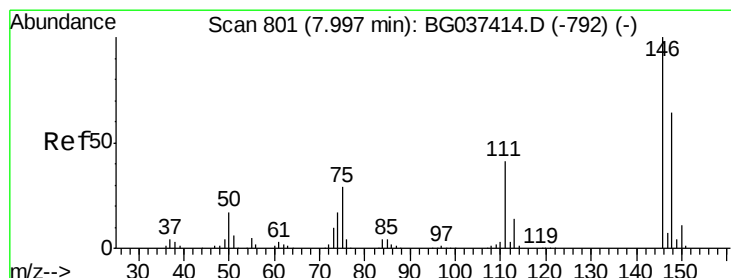
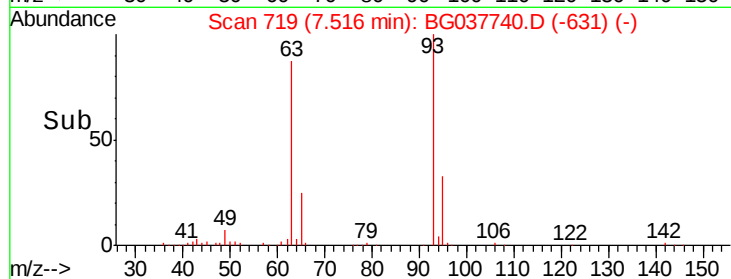
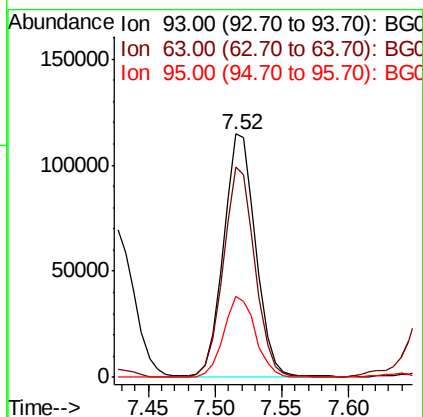
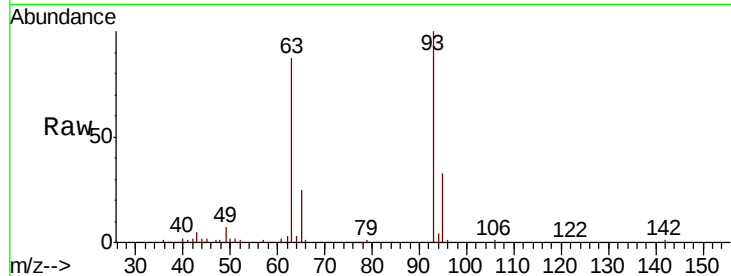




#11  
bis(2-Chloroethyl)ether  
Concen: 44.850 ng  
RT: 7.52 min Scan# 719  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

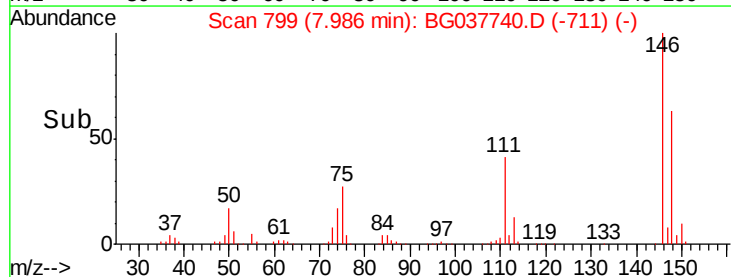
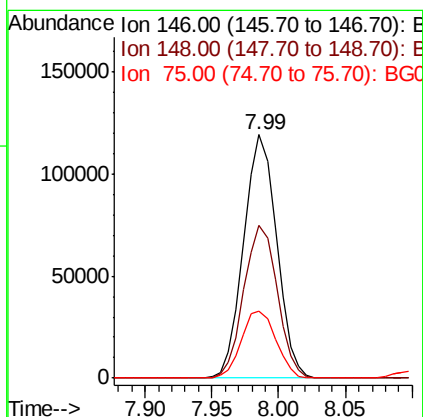
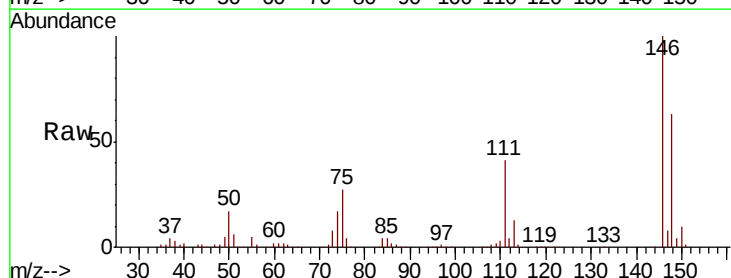
Instrument :  
BNA\_G  
ClientSampled :

| Tot Ion   | 93    | Resp  | 194363 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 86.6  | 69.5  | 109.5  |
| 95        | 33.2  | 12.6  | 52.6   |



#12  
1,3-Dichlorobenzene  
Concen: 43.790 ng  
RT: 7.99 min Scan# 799  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

| Tgt Ion   | 146   | Resp  | 203960 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 62.7  | 49.8  | 74.8   |
| 75        | 27.5  | 23.2  | 34.8   |

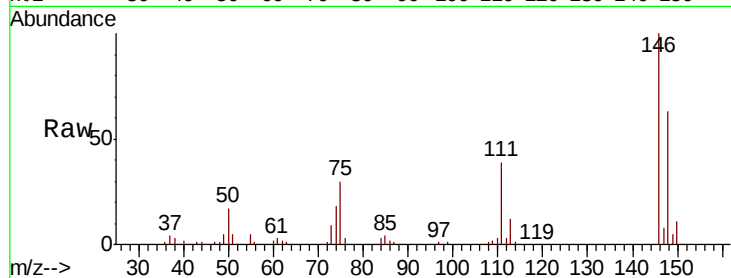




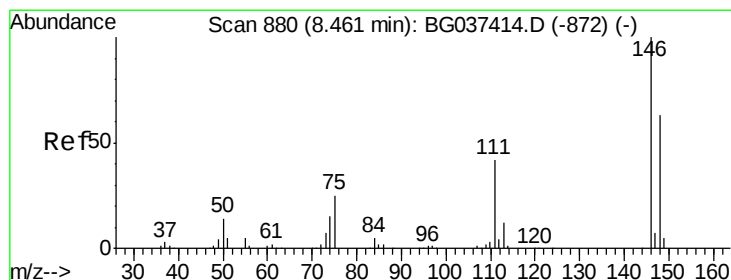
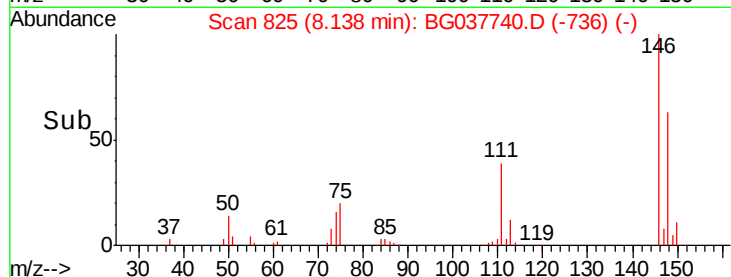
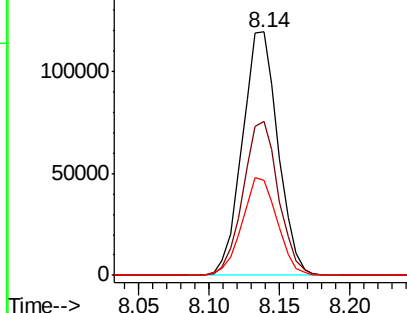
#13  
 1,4-Dichlorobenzene  
 Concen: 44.422 ng  
 RT: 8.14 min Scan# 825  
 Delta R.T. -0.01 min  
 Lab File: BG037740.D  
 Acq: 2 Nov 2018 4:58

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:146 Resp: 211640  
 Ion Ratio Lower Upper  
 146 100  
 148 63.4 51.0 76.6  
 111 38.9 32.4 48.6

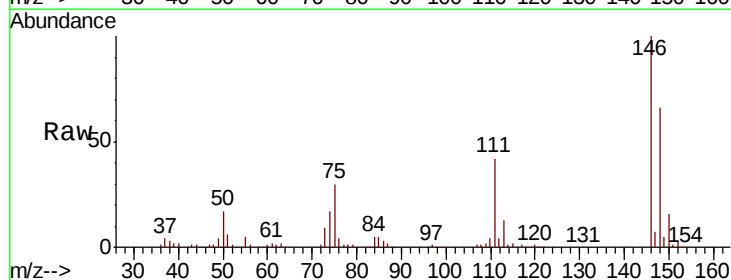


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

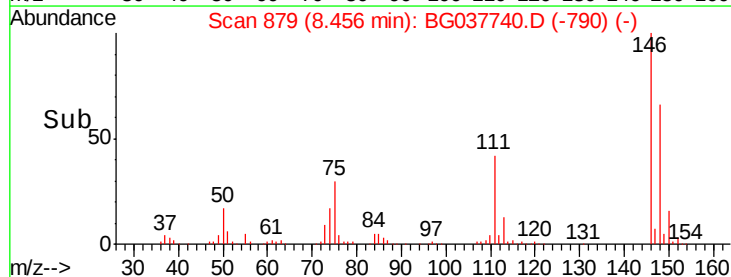
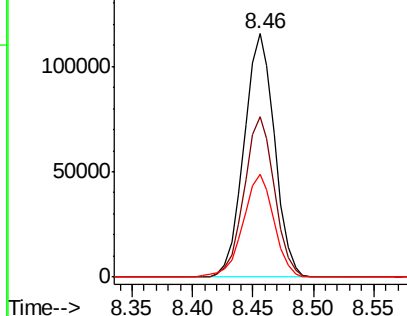


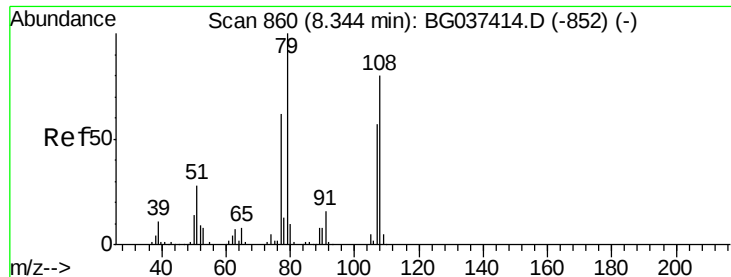
#14  
 1,2-Dichlorobenzene  
 Concen: 44.324 ng  
 RT: 8.46 min Scan# 879  
 Delta R.T. -0.01 min  
 Lab File: BG037740.D  
 Acq: 2 Nov 2018 4:58

Tgt Ion:146 Resp: 203137  
 Ion Ratio Lower Upper  
 146 100  
 148 65.8 50.4 75.6  
 111 42.3 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: 47.135 ng

RT: 8.34 min Scan# 859

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

Instrument :

BNA\_G

ClientSampleId :

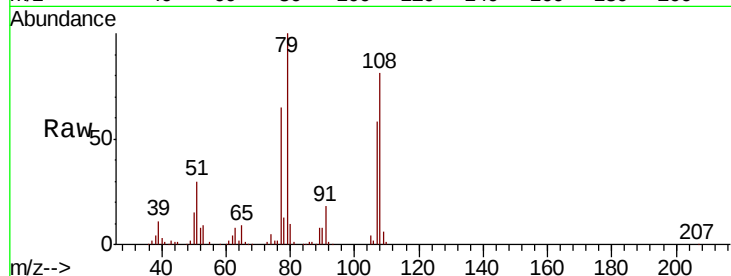
Tot Ion: 79 Resp: 188344

Ion Ratio Lower Upper

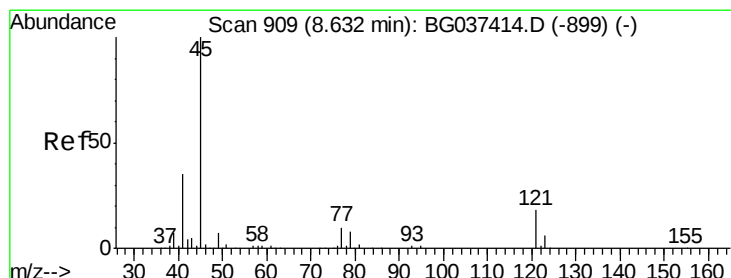
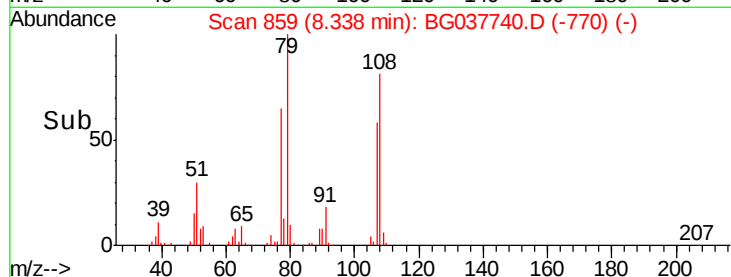
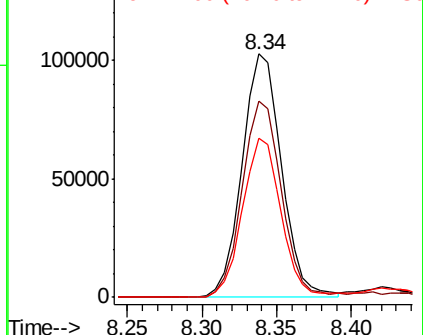
79 100

108 80.7 65.8 98.8

77 65.4 52.9 79.3



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



#16

2,2'-oxybis(1-chloropropane)

Concen: 45.587 ng

RT: 8.62 min Scan# 907

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

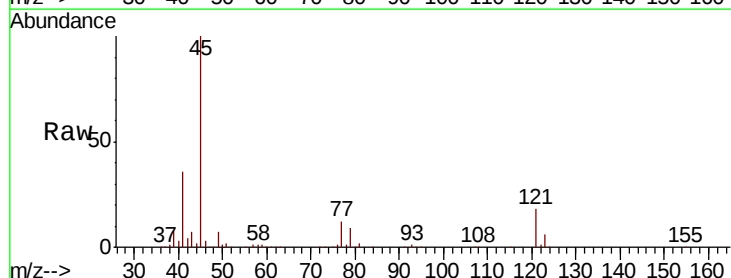
Tgt Ion: 45 Resp: 353483

Ion Ratio Lower Upper

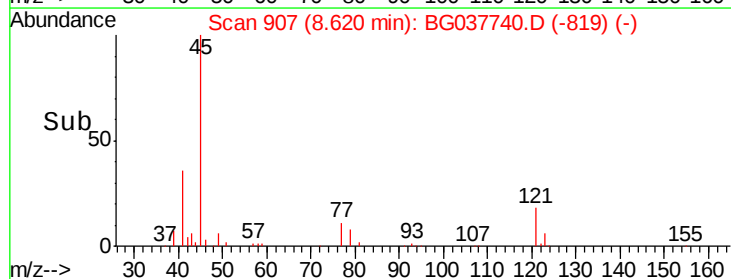
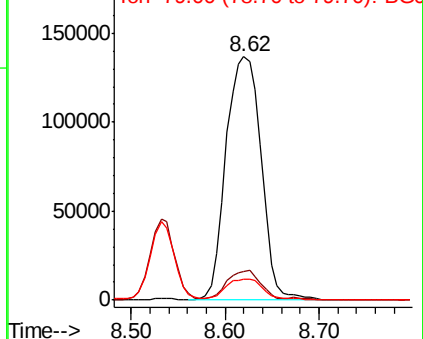
45 100

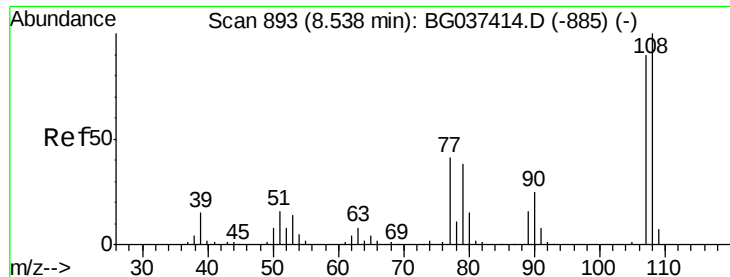
77 11.9 0.0 30.0

79 8.6 0.0 29.0



Abundance Ion 45.00 (44.70 to 45.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC  
Ion 79.00 (78.70 to 79.70): BGC

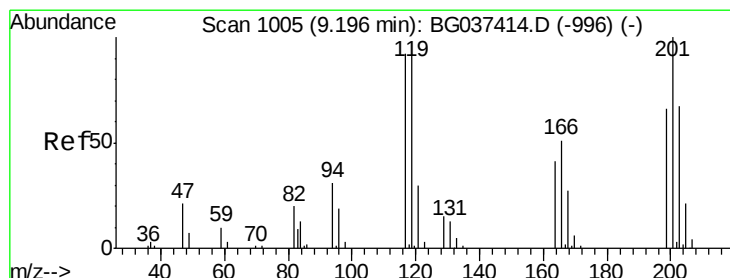
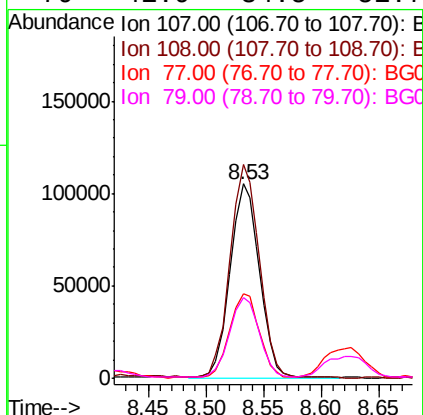
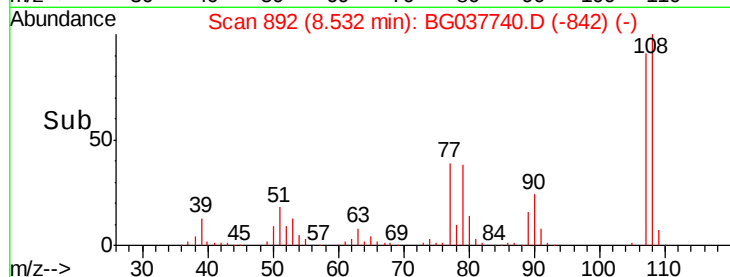
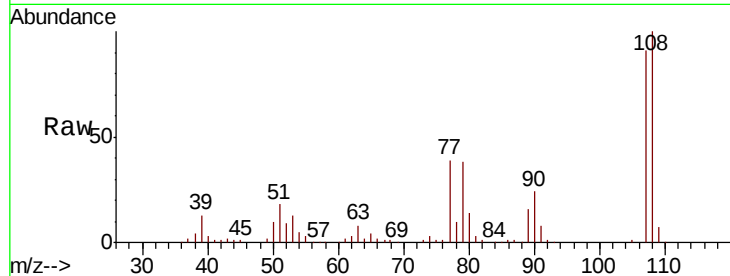




#17  
2-Methylphenol  
Concen: 48.825 ng  
RT: 8.53 min Scan# 892  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

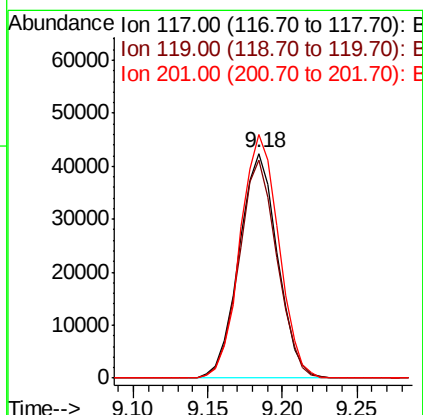
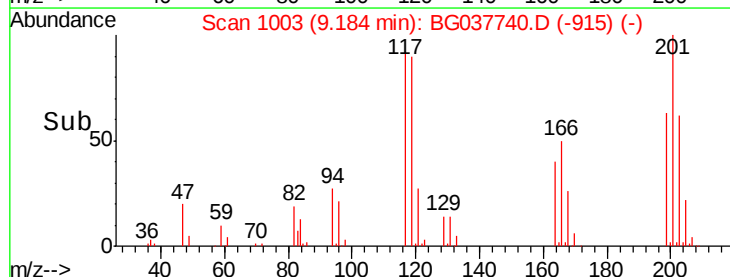
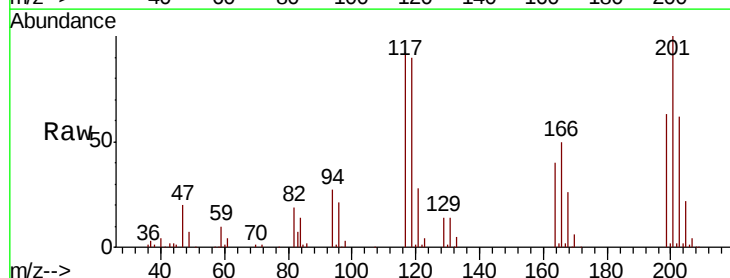
Instrument :  
BNA\_G  
ClientSampleId :

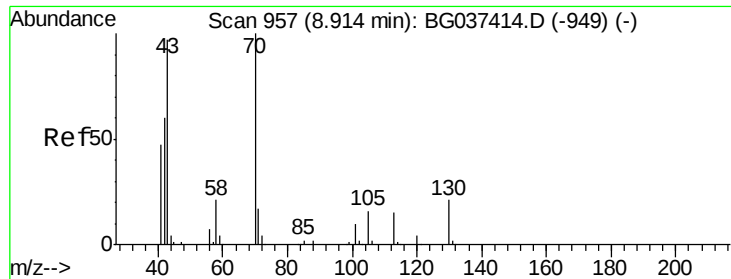
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 110.0 | 87.9  | 131.9 |
| 77      | 43.3  | 35.1  | 52.7  |
| 79      | 41.9  | 34.5  | 51.7  |



#18  
Hexachloroethane  
Concen: 46.595 ng  
RT: 9.18 min Scan# 1003  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.9  | 74.6  | 111.8 |
| 201     | 110.4 | 80.8  | 121.2 |

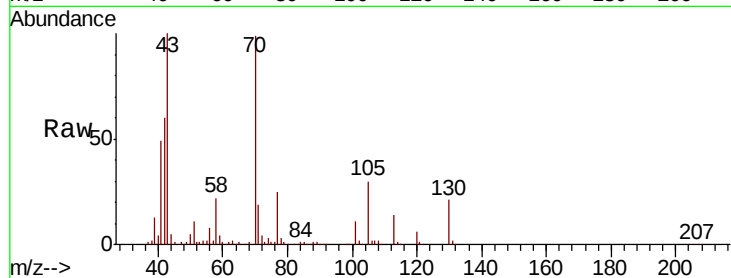




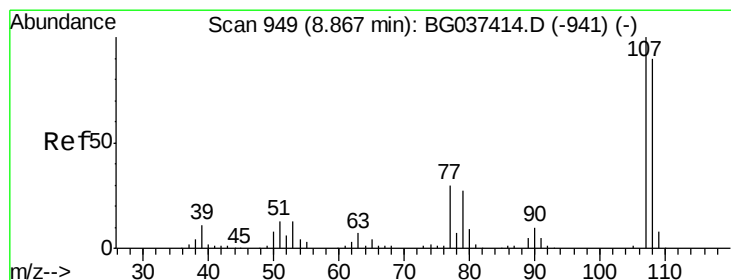
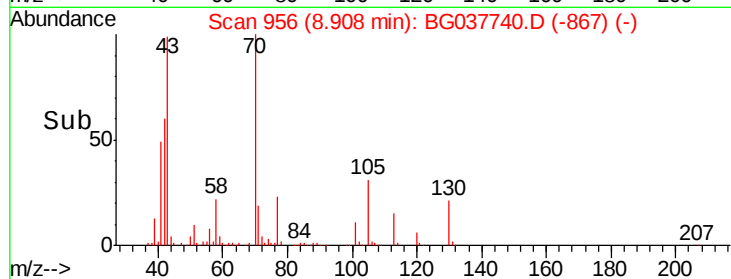
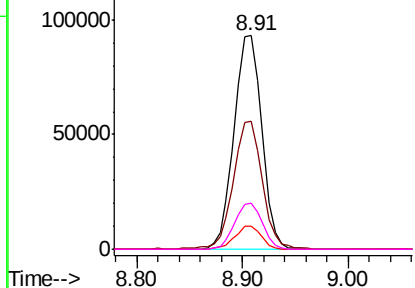
#19  
n-Nitroso-di-n-propylamine  
Concen: 45.369 ng  
RT: 8.91 min Scan# 956  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion: 70 Resp: 168950  
Ion Ratio Lower Upper  
70 100  
42 60.2 53.9 80.9  
101 10.7 8.2 12.2  
130 21.4 18.2 27.4

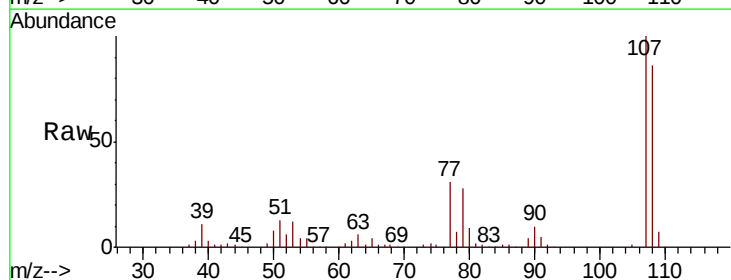


Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

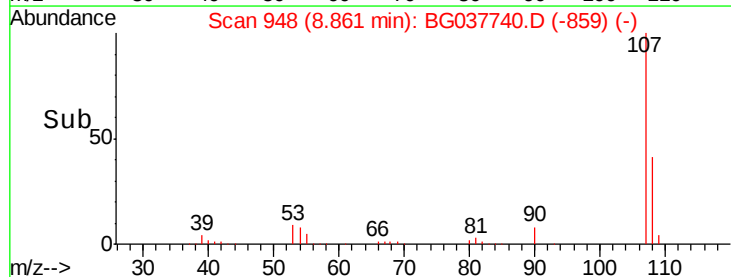
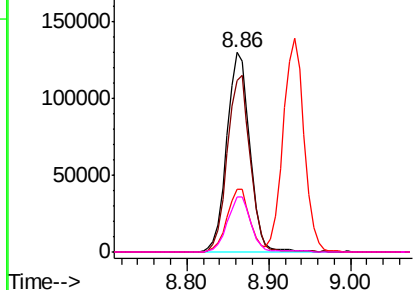


#20  
3+4-Methylphenols  
Concen: 47.239 ng  
RT: 8.86 min Scan# 948  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

Tgt Ion: 107 Resp: 254775  
Ion Ratio Lower Upper  
107 100  
108 86.1 69.9 109.9  
77 31.2 11.2 51.2  
79 27.6 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

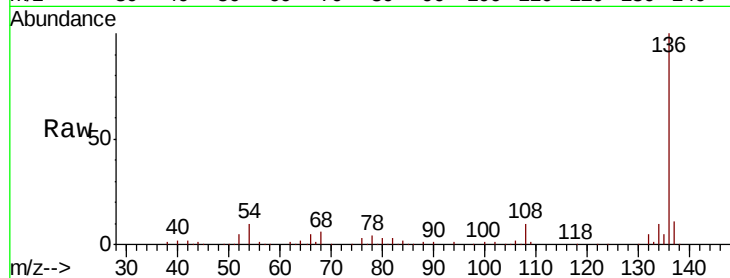




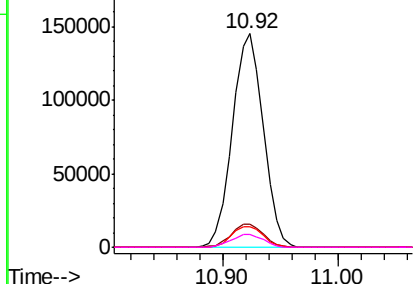
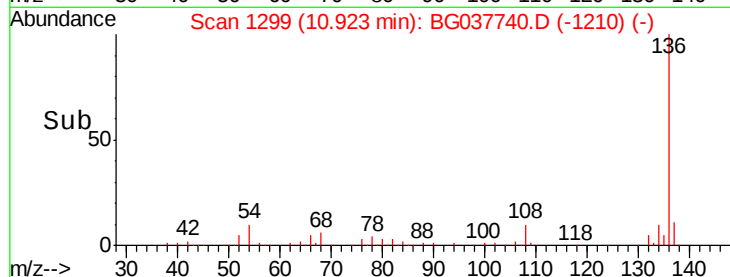
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.92 min Scan# 1299  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 269206   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.7  | 9.6 14.4 |
| 54          | 9.9   | 7.9 11.9 |
| 68          | 6.2   | 4.8 7.2  |

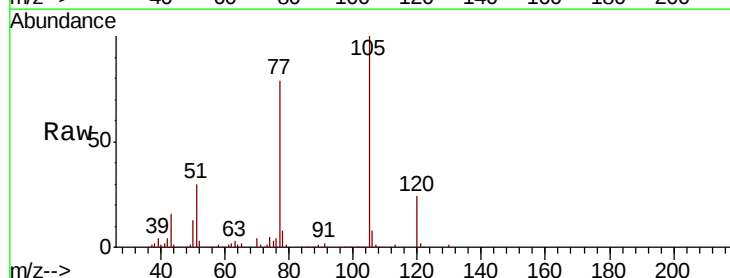


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

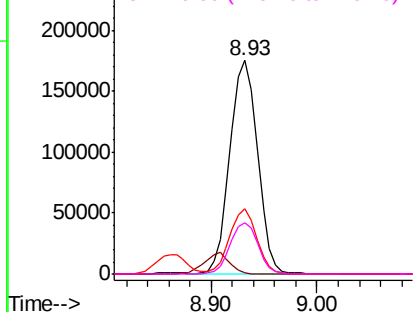
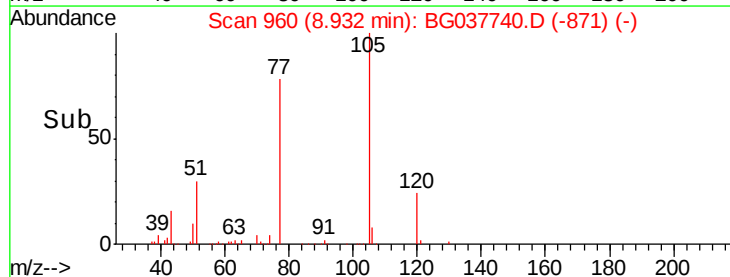


#22  
Acetophenone  
Concen: 47.090 ng  
RT: 8.93 min Scan# 960  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 317932    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 0.6   | 1.2 1.8#  |
| 51          | 30.3  | 25.0 37.6 |
| 120         | 24.2  | 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

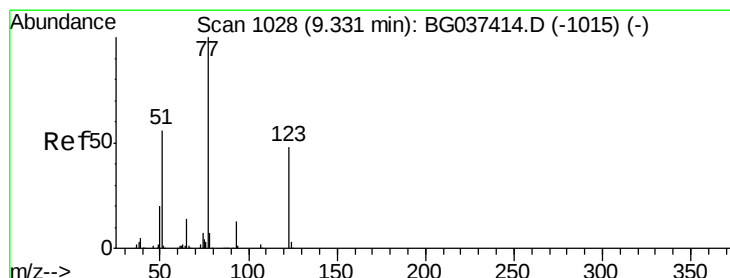
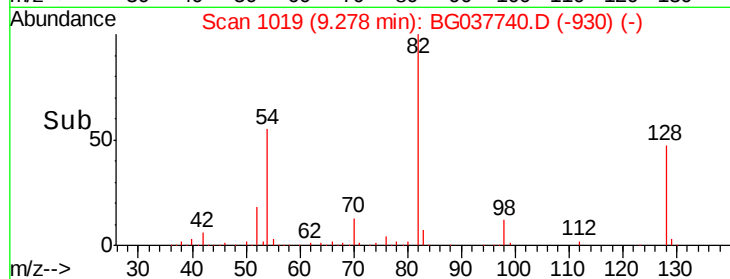
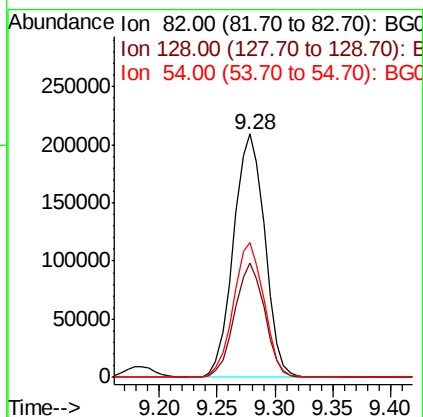
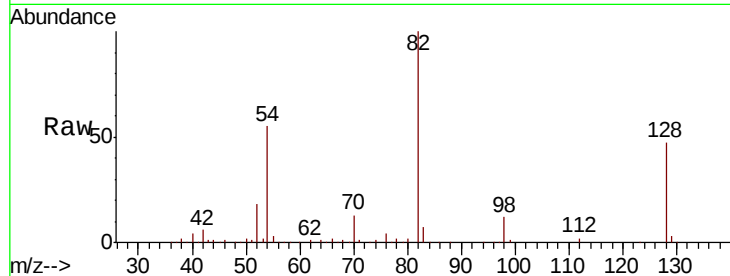




#23  
Nitrobenzene-d5  
Concen: 81.689 ng  
RT: 9.28 min Scan# 1019  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

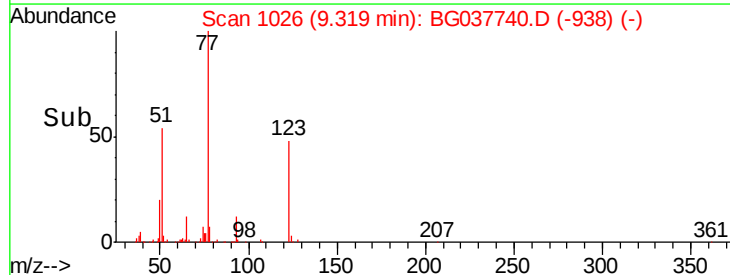
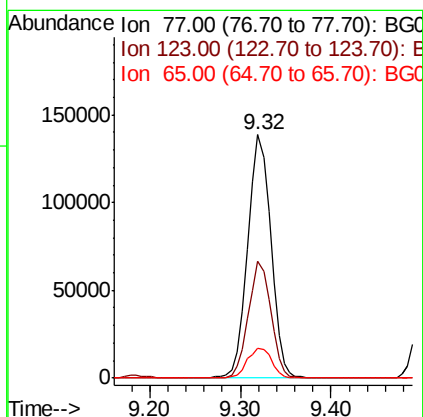
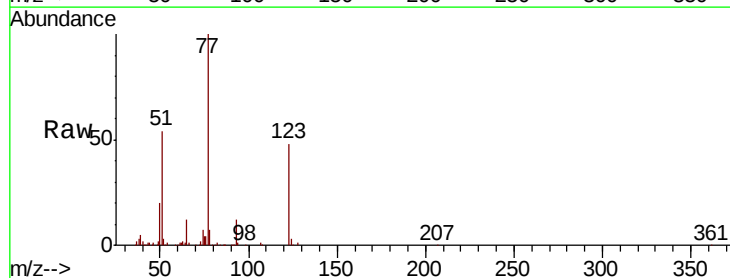
Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | 82    | Resp  | 392565 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 82      | 100   |       |        |
| 128     | 46.8  | 34.6  | 51.8   |
| 54      | 55.5  | 45.3  | 67.9   |



#24  
Nitrobenzene  
Concen: 49.523 ng  
RT: 9.32 min Scan# 1026  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

| Tgt Ion | 77    | Resp  | 247236 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 77      | 100   |       |        |
| 123     | 47.9  | 33.6  | 50.4   |
| 65      | 12.4  | 11.3  | 16.9   |





#25

Isophorone

Concen: 54.850 ng

RT: 9.84 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

Instrument :

BNA\_G

ClientSampleId :

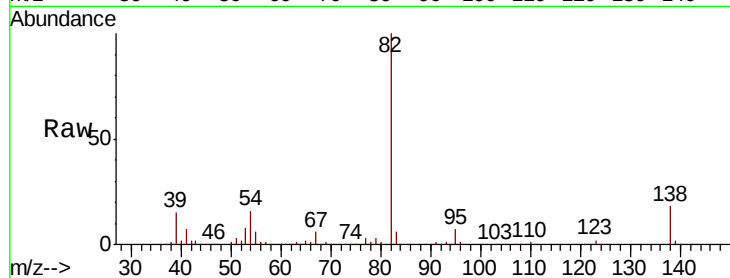
Tot Ion: 82 Resp: 481621

Ion Ratio Lower Upper

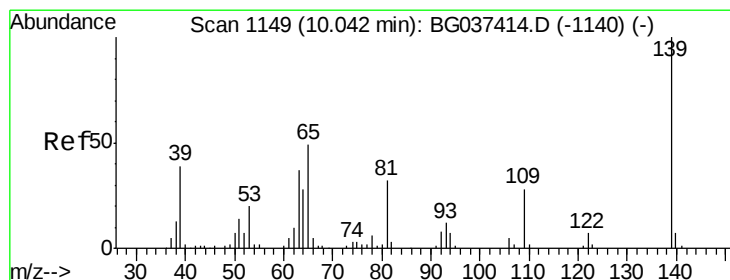
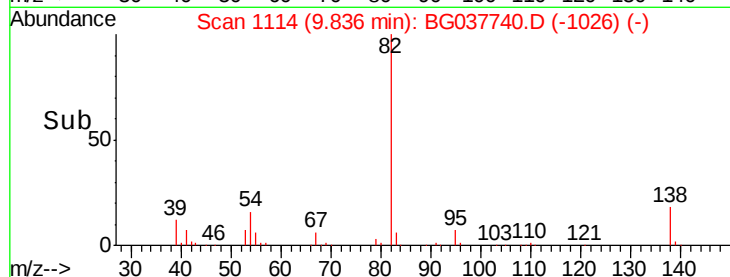
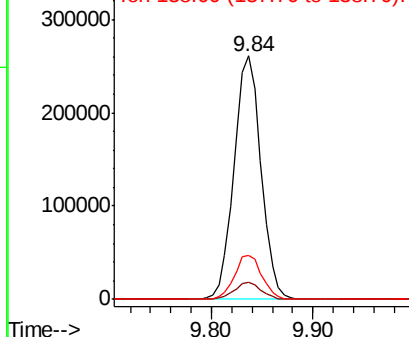
82 100

95 7.0 5.3 7.9

138 18.1 13.3 19.9



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



#26

2-Nitrophenol

Concen: 54.127 ng

RT: 10.03 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

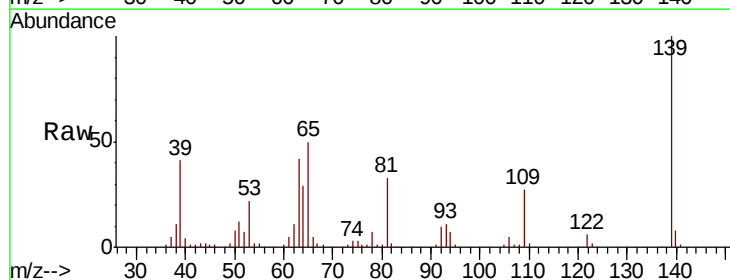
Tgt Ion: 139 Resp: 121732

Ion Ratio Lower Upper

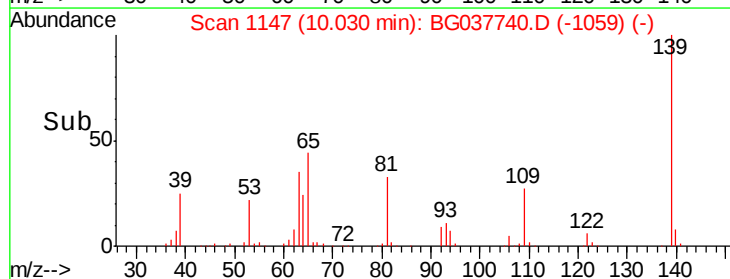
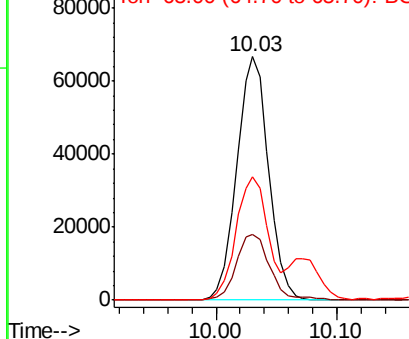
139 100

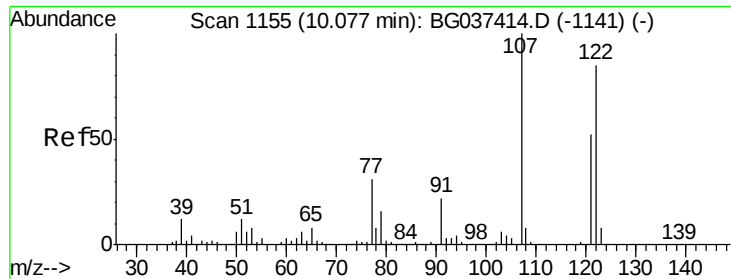
109 26.7 23.3 34.9

65 50.4 39.8 59.8



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

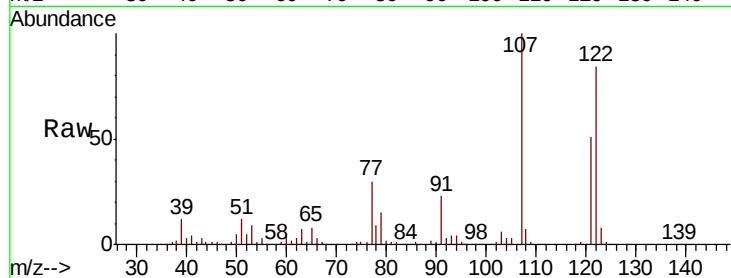




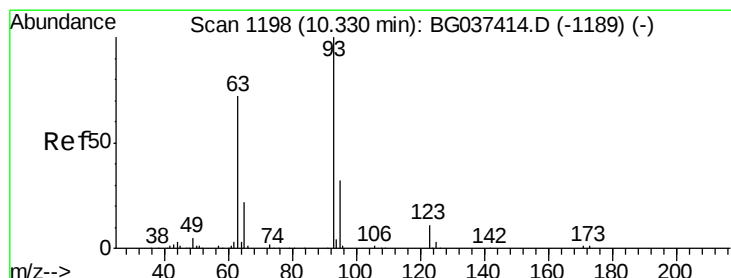
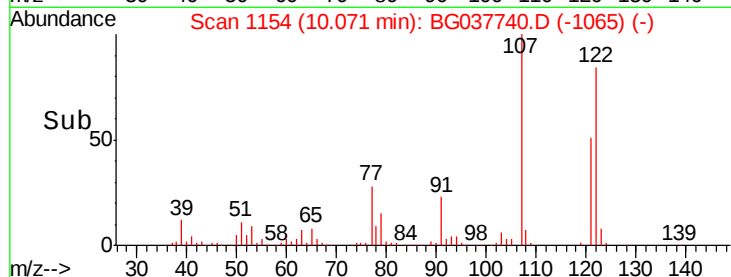
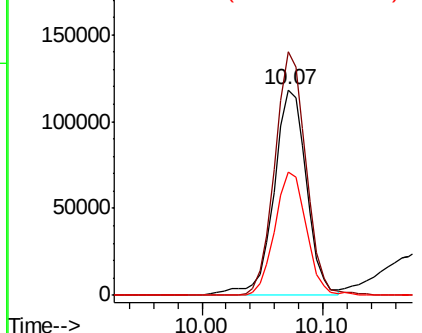
#27  
 2,4-Dimethylphenol  
 Concen: 54.832 ng  
 RT: 10.07 min Scan# 1154  
 Delta R.T. -0.01 min  
 Lab File: BG037740.D  
 Acq: 2 Nov 2018 4:58

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:122 Resp: 220179  
 Ion Ratio Lower Upper  
 122 100  
 107 118.5 94.2 141.2  
 121 60.0 47.3 70.9

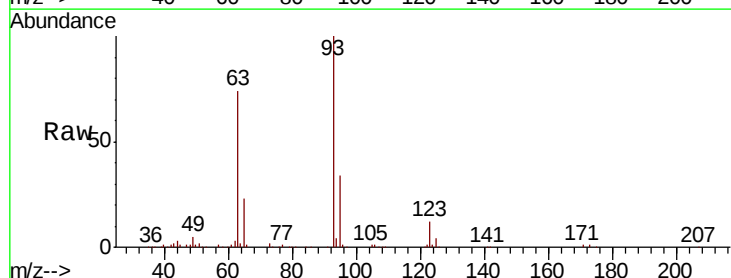


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

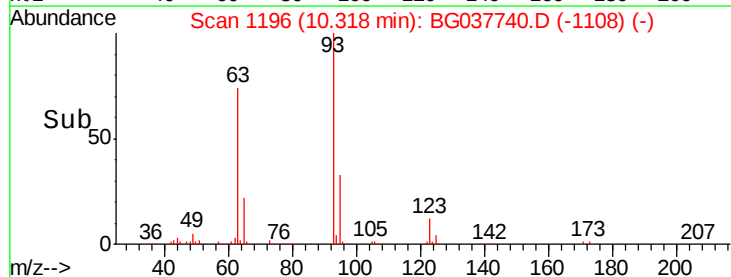
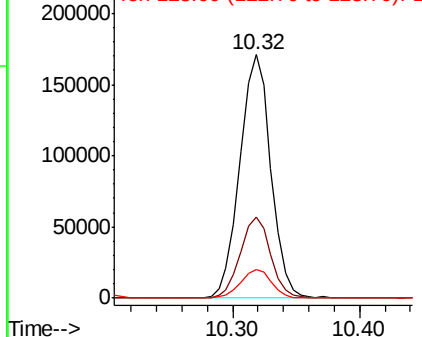


#28  
 bis(2-Chloroethoxy)methane  
 Concen: 50.320 ng  
 RT: 10.32 min Scan# 1196  
 Delta R.T. -0.01 min  
 Lab File: BG037740.D  
 Acq: 2 Nov 2018 4:58

Tgt Ion: 93 Resp: 289486  
 Ion Ratio Lower Upper  
 93 100  
 95 33.5 24.6 37.0  
 123 11.8 9.1 13.7



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

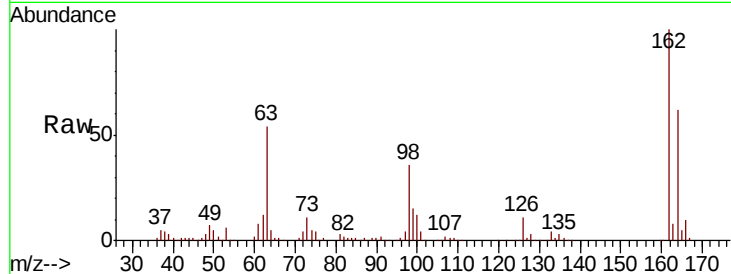




#29  
 2,4-Dichlorophenol  
 Concen: 51.137 ng  
 RT: 10.56 min Scan# 1237  
 Delta R.T. -0.01 min  
 Lab File: BG037740.D  
 Acq: 2 Nov 2018 4:58

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 61.8  | 43.2  | 83.2  |
| 98      | 35.5  | 16.0  | 56.0  |

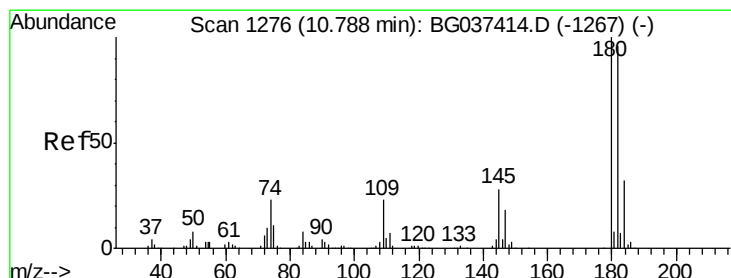
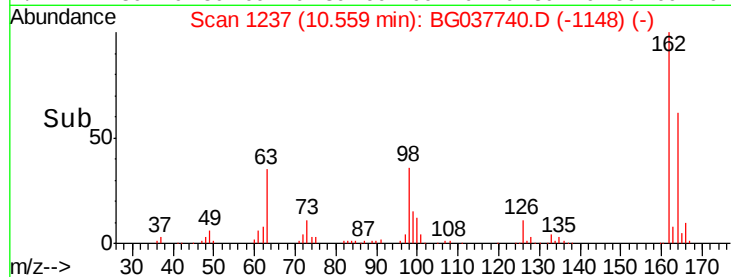
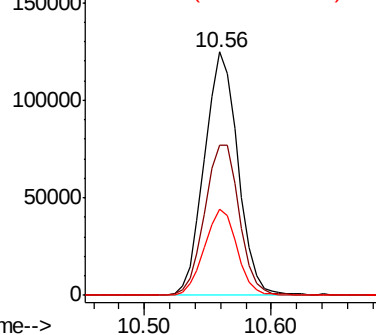


Abundance

Ion 162.00 (161.70 to 162.70): E

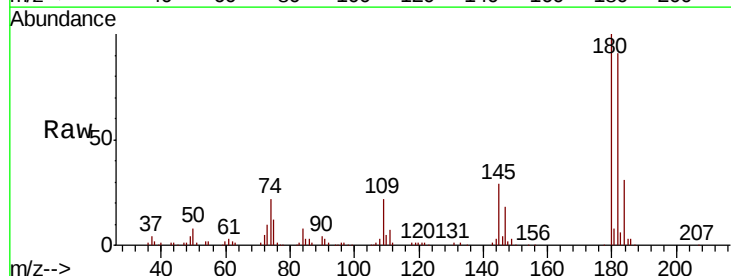
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



#30  
 1,2,4-Trichlorobenzene  
 Concen: 48.007 ng  
 RT: 10.78 min Scan# 1274  
 Delta R.T. -0.01 min  
 Lab File: BG037740.D  
 Acq: 2 Nov 2018 4:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 91.3  | 77.7  | 116.5 |
| 145     | 28.8  | 23.3  | 34.9  |

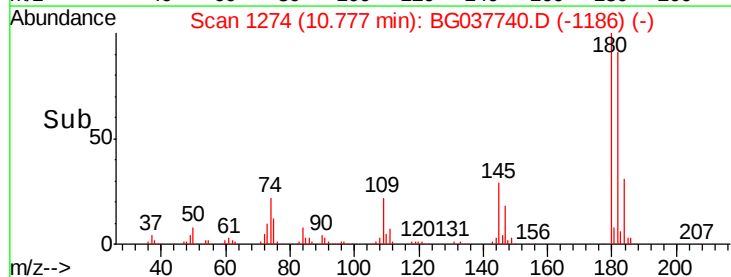
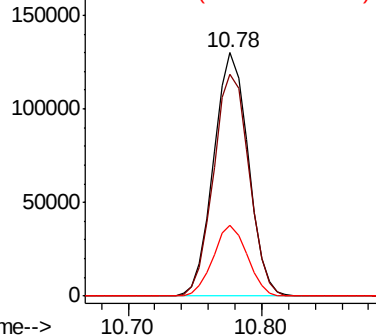


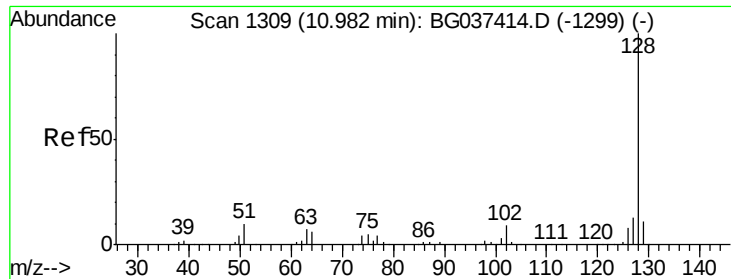
Abundance

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

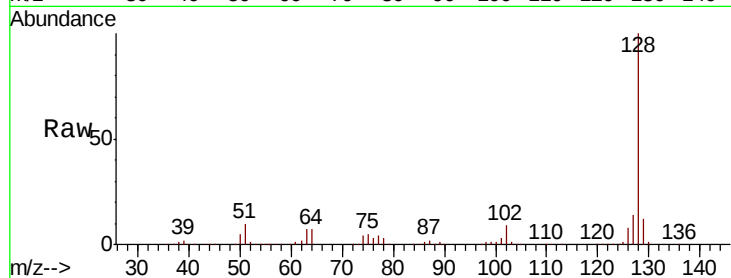




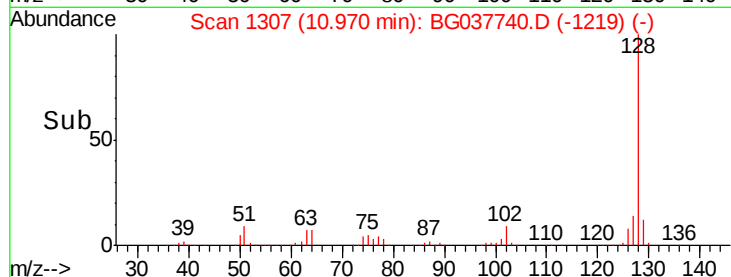
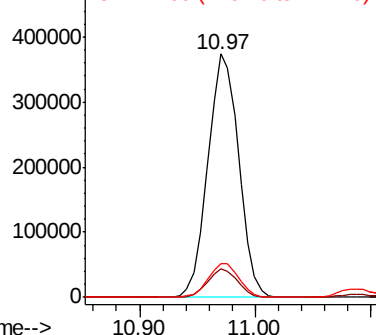
#31  
Naphthalene  
Concen: 52.343 ng  
RT: 10.97 min Scan# 1307  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:128 Resp: 692118  
Ion Ratio Lower Upper  
128 100  
129 11.9 9.0 13.6  
127 14.1 11.1 16.7

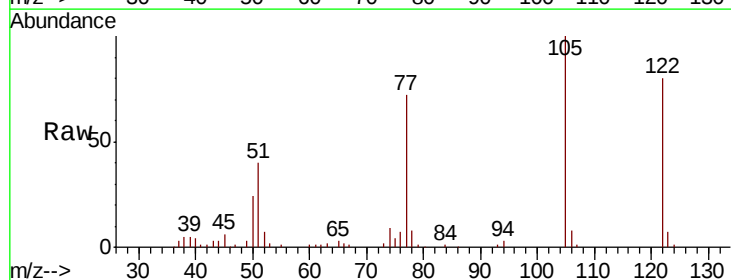


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

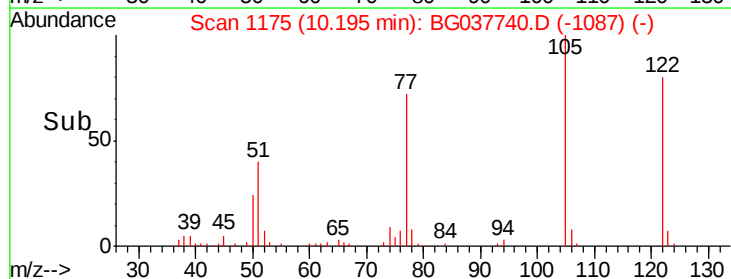
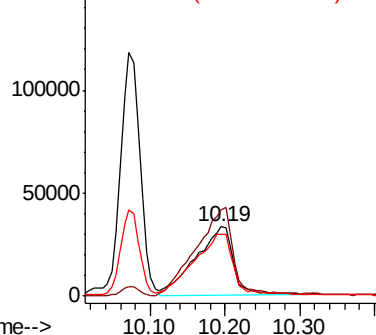


#32  
Benzoic acid  
Concen: 44.805 ng  
RT: 10.19 min Scan# 1175  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

Tgt Ion:122 Resp: 116857  
Ion Ratio Lower Upper  
122 100  
105 124.6 106.7 146.7  
77 90.1 72.2 112.2



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BG

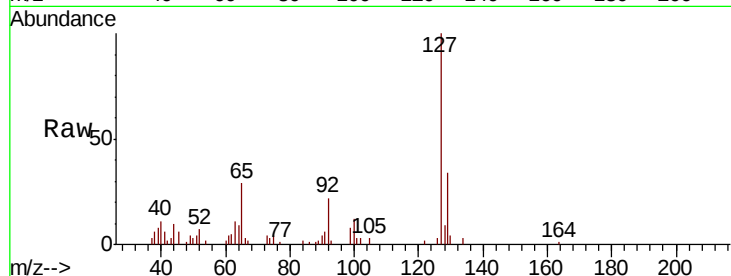




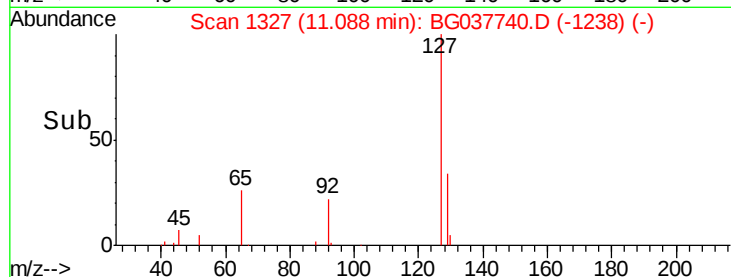
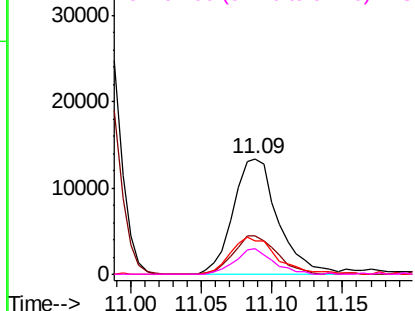
#33  
4-Chloroaniline  
Concen: 4.809 ng  
RT: 11.09 min Scan# 1327  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

Instrument :  
BNA\_G  
ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 29876 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 33.5  | 27.1  | 40.7  |
| 65       | 29.1  | 26.6  | 39.8  |
| 92       | 22.4  | 16.4  | 24.6  |

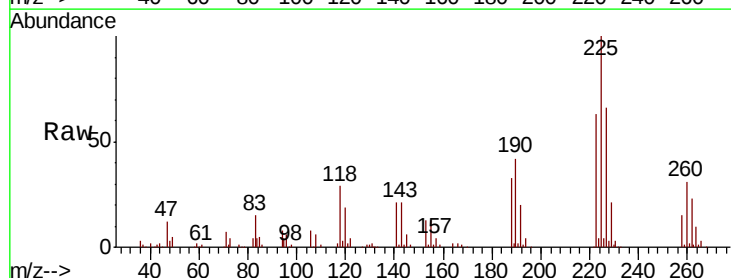


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BG  
Ion 92.00 (91.70 to 92.70): BG

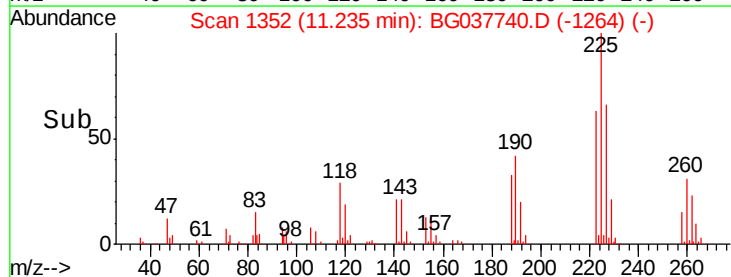
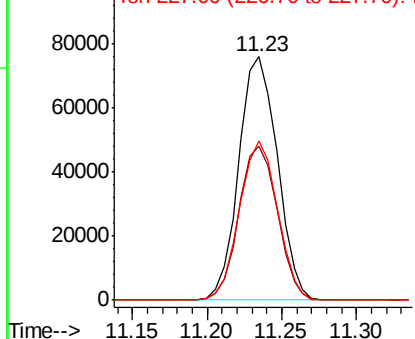


#34  
Hexachlorobutadiene  
Concen: 47.365 ng  
RT: 11.23 min Scan# 1352  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 136487 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 60.7  | 48.2  | 72.4   |
| 227      | 65.4  | 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

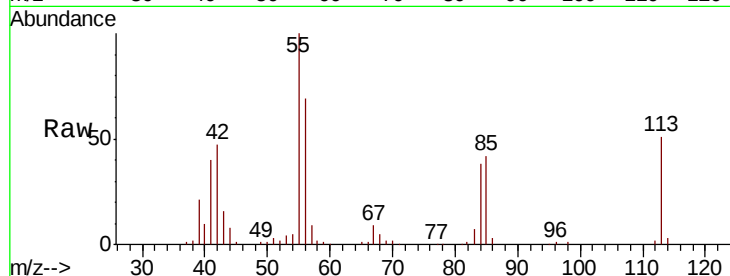




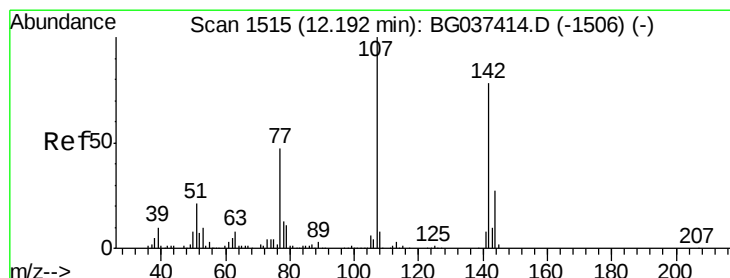
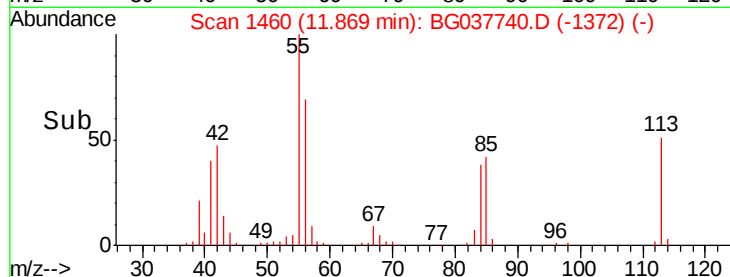
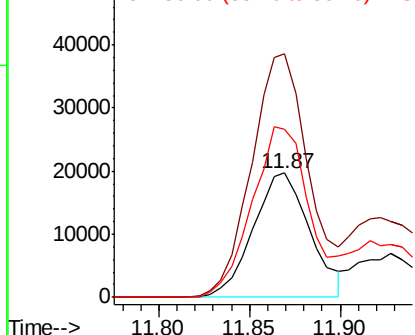
#35  
Caprolactam  
Concen: 23.839 ng  
RT: 11.87 min Scan# 1460  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:113 Resp: 42747  
Ion Ratio Lower Upper  
113 100  
55 195.8 176.6 216.6  
56 135.1 128.3 168.3

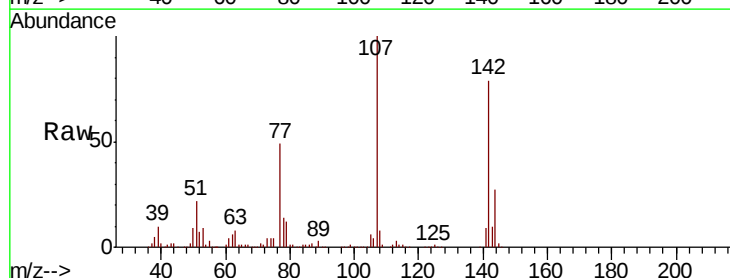


Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BG  
Ion 56.00 (55.70 to 56.70): BG

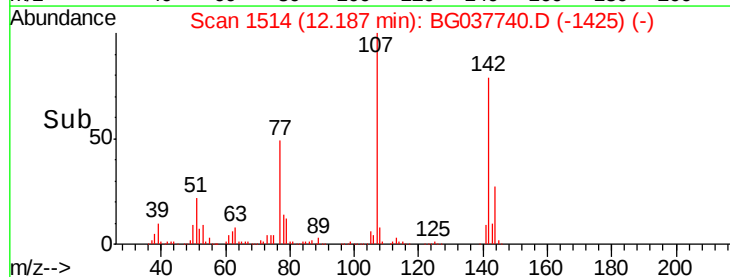
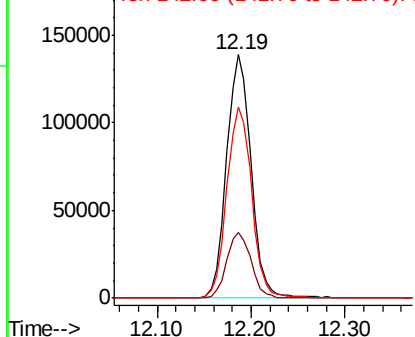


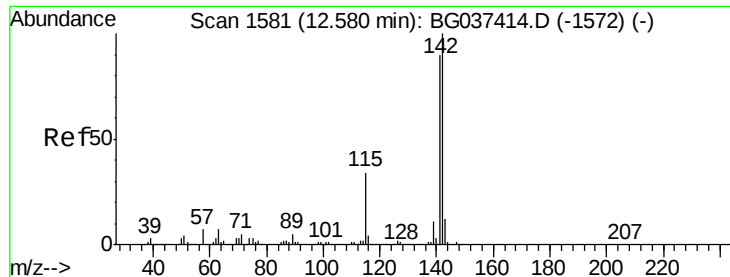
#36  
4-Chloro-3-methylphenol  
Concen: 49.951 ng  
RT: 12.19 min Scan# 1514  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

Tgt Ion:107 Resp: 251861  
Ion Ratio Lower Upper  
107 100  
144 27.2 20.7 31.1  
142 78.5 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

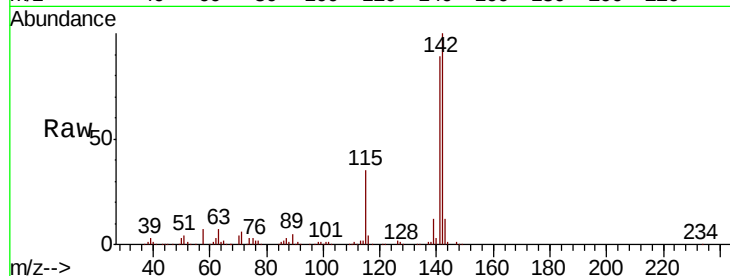




#37  
2-Methylnaphthalene  
Concen: 54.974 ng  
RT: 12.57 min Scan# 1579  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.0  | 71.9  | 107.9 |
| 115     | 35.0  | 27.8  | 41.8  |

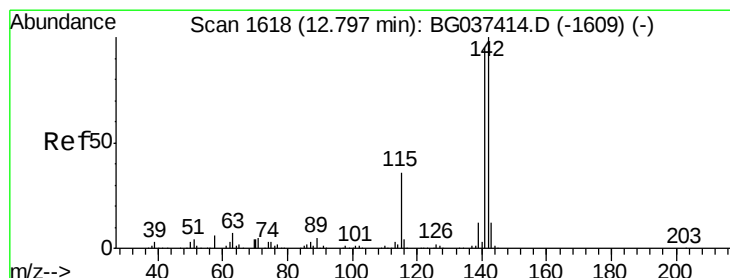
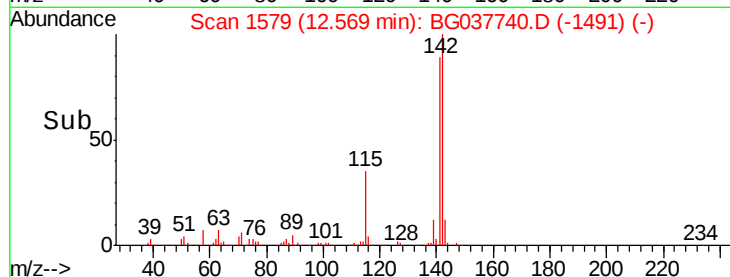
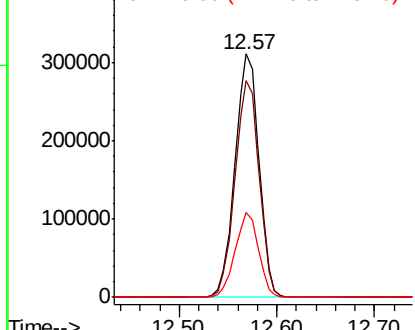


Abundance

Ion 142.00 (141.70 to 142.70): E

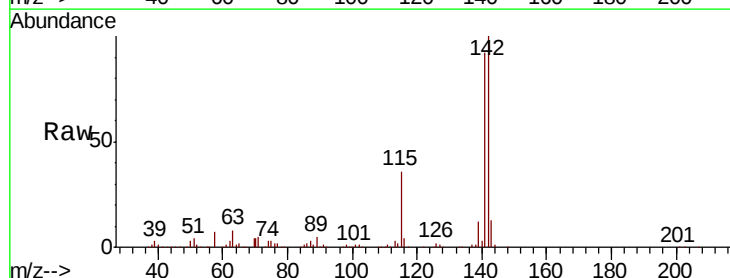
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38  
1-Methylnaphthalene  
Concen: 53.880 ng  
RT: 12.79 min Scan# 1616  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.4  | 75.2  | 112.8 |
| 116     | 3.7   | 3.3   | 4.9   |

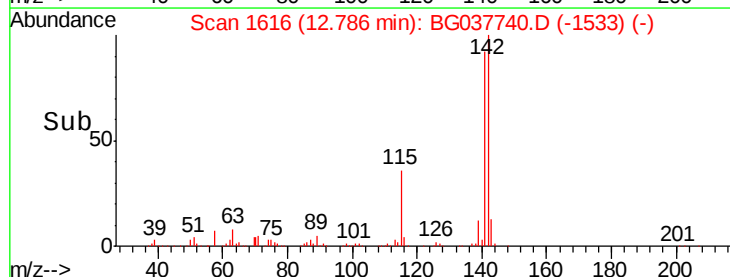
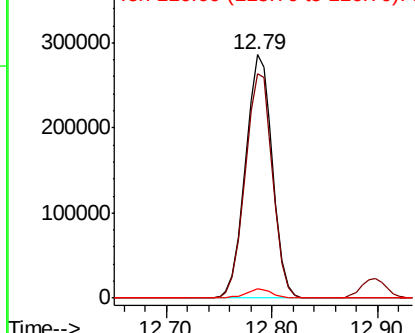


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

Instrument :

BNA\_G

ClientSampleId :

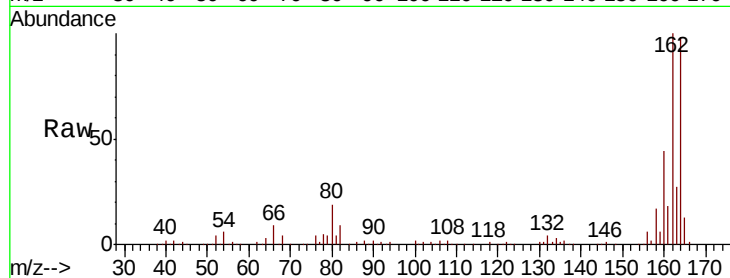
Tot Ion:164 Resp: 177613

Ion Ratio Lower Upper

164 100

162 102.1 81.3 121.9

160 44.9 36.3 54.5

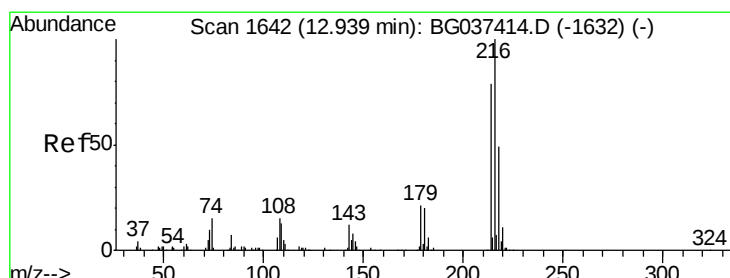
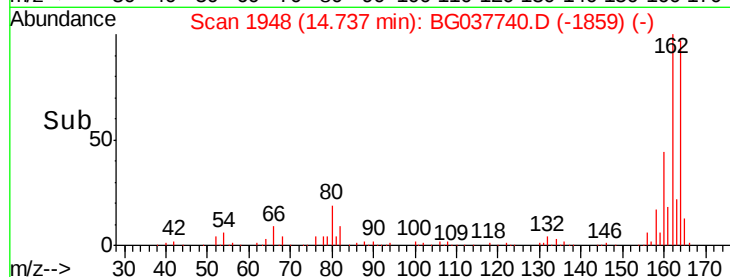
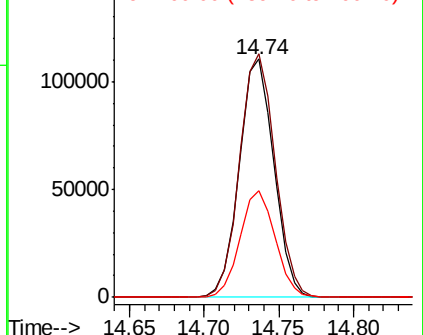


Abundance

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: 49.180 ng

RT: 12.93 min Scan# 1640

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

Tgt Ion:216 Resp: 281751

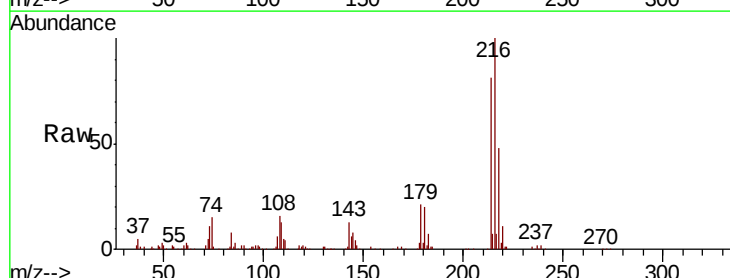
Ion Ratio Lower Upper

216 100

214 78.9 63.8 95.6

179 20.9 17.4 26.0

108 18.5 13.9 20.9



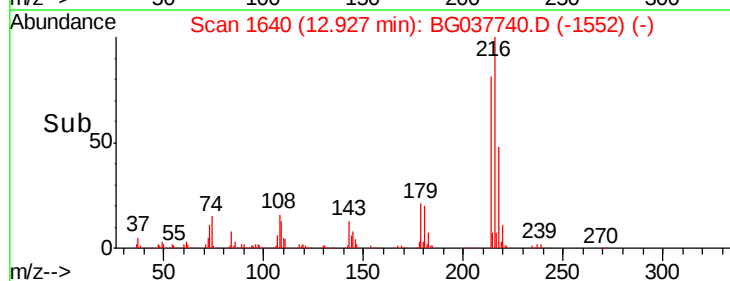
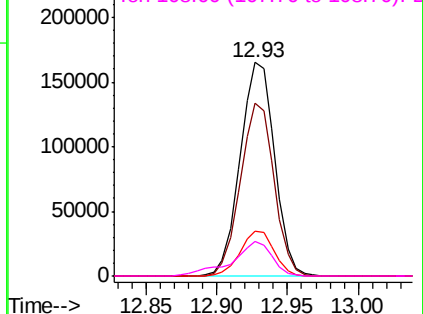
Abundance

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: 118.693 ng

RT: 12.90 min Scan# 1635

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

Instrument :

BNA\_G

ClientSampleId :

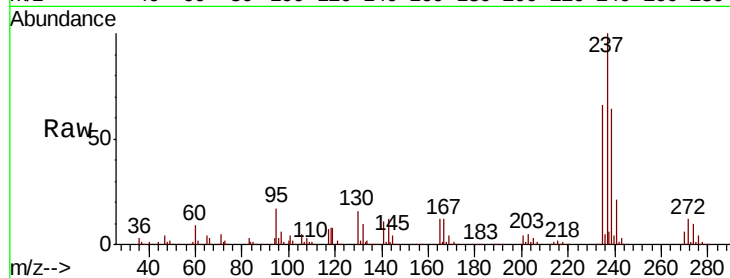
Tot Ion:237 Resp: 324814

Ion Ratio Lower Upper

237 100

235 65.6 42.5 82.5

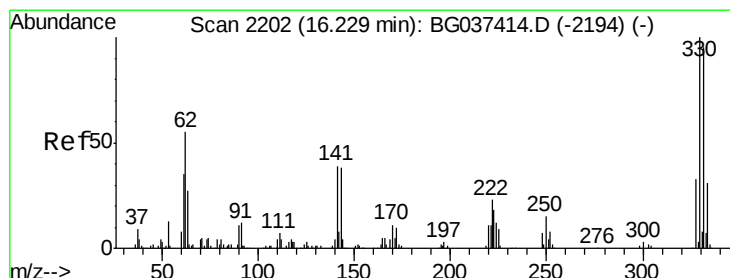
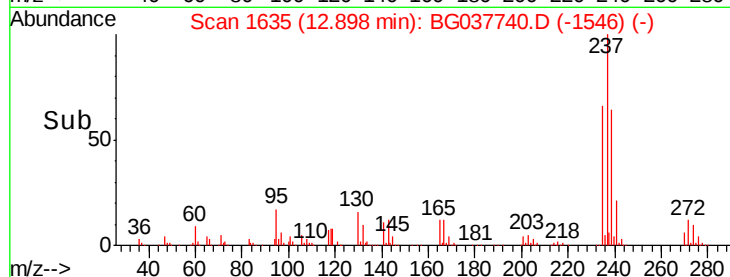
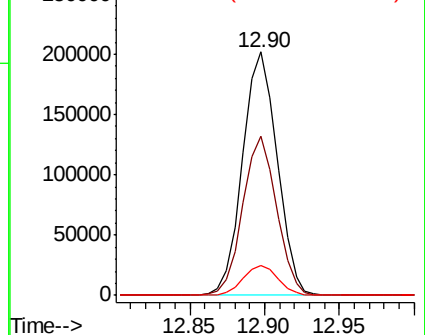
272 12.4 0.0 31.6



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: 128.890 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

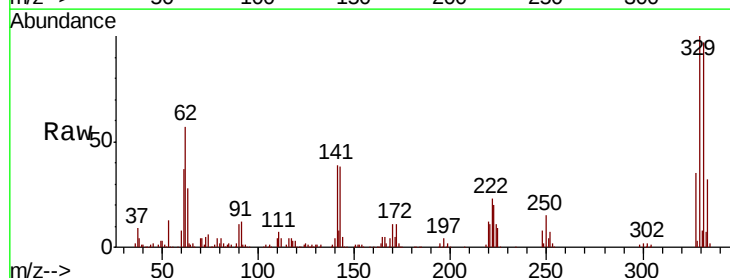
Tgt Ion:330 Resp: 249686

Ion Ratio Lower Upper

330 100

332 95.0 78.4 117.6

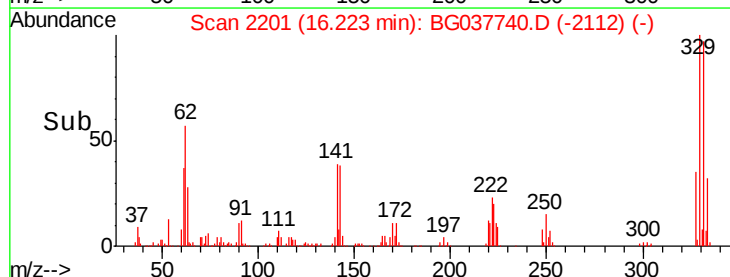
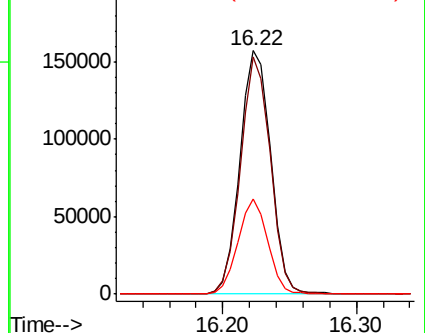
141 38.1 32.2 48.2



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

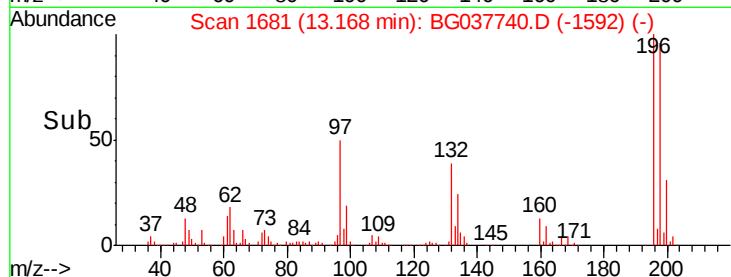
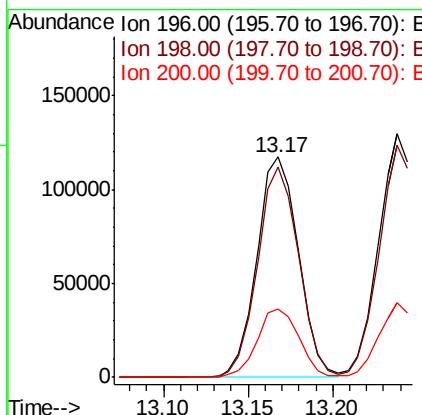
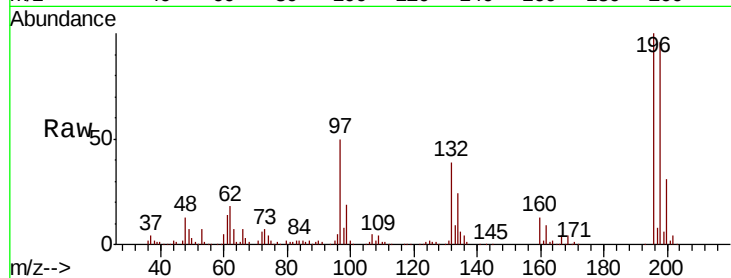




#43  
 2,4,6-Trichlorophenol  
 Concen: 52.180 ng  
 RT: 13.17 min Scan# 1681  
 Delta R.T. -0.01 min  
 Lab File: BG037740.D  
 Acq: 2 Nov 2018 4:58

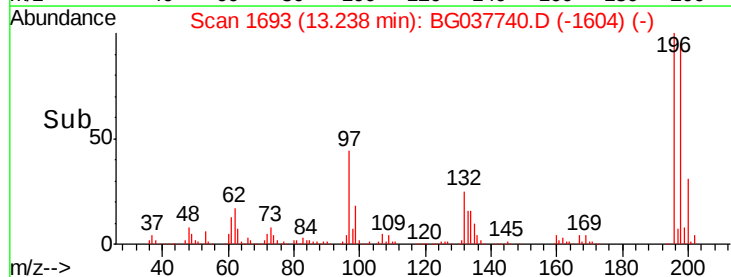
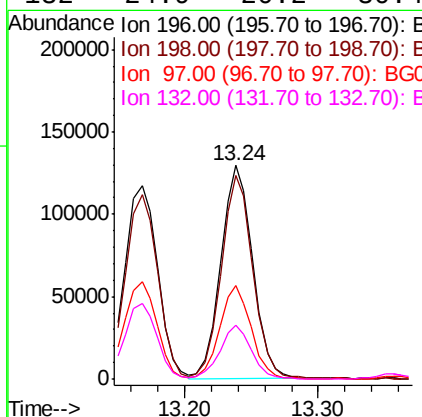
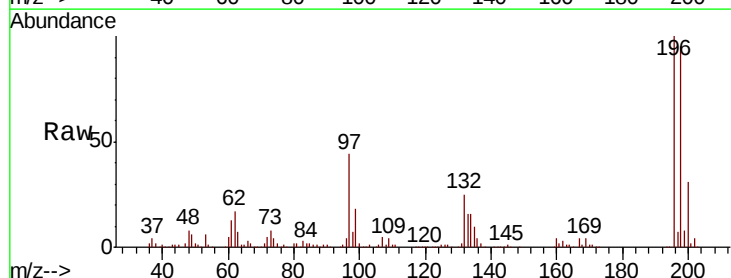
Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion   | 196   | Resp  | 199715 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 95.8  | 76.4  | 114.6  |
| 200       | 31.3  | 24.9  | 37.3   |



#44  
 2,4,5-Trichlorophenol  
 Concen: 52.030 ng  
 RT: 13.24 min Scan# 1693  
 Delta R.T. -0.01 min  
 Lab File: BG037740.D  
 Acq: 2 Nov 2018 4:58

| Tgt Ion   | 196   | Resp  | 216819 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 95.3  | 74.2  | 111.2  |
| 97        | 43.6  | 34.1  | 51.1   |
| 132       | 24.9  | 20.2  | 30.4   |

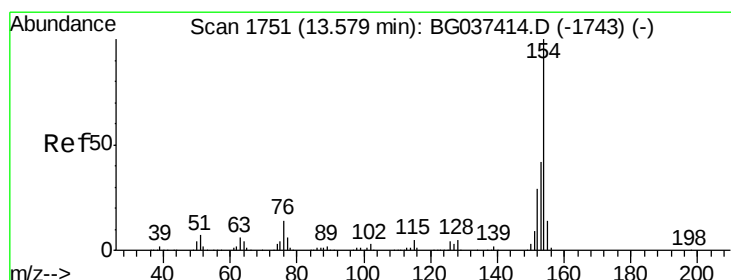
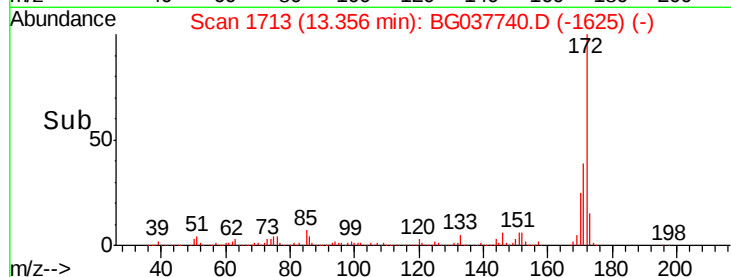
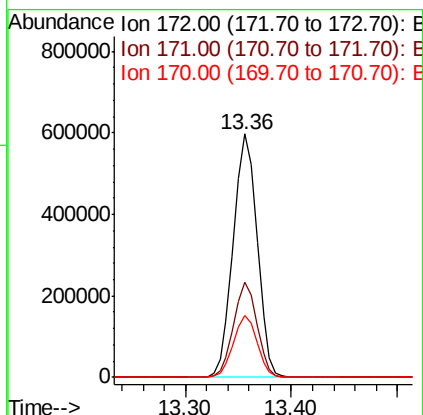
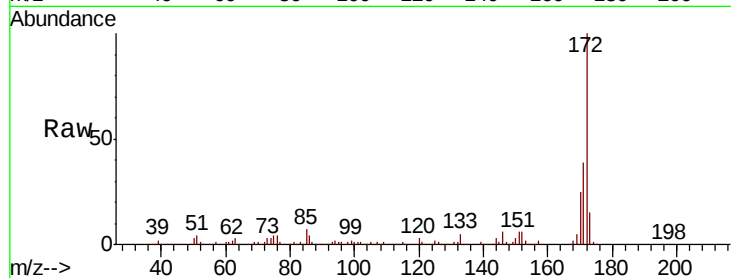




#45  
 2-Fluorobiphenyl  
 Concen: 79.117 ng  
 RT: 13.36 min Scan# 1713  
 Delta R.T. -0.01 min  
 Lab File: BG037740.D  
 Acq: 2 Nov 2018 4:58

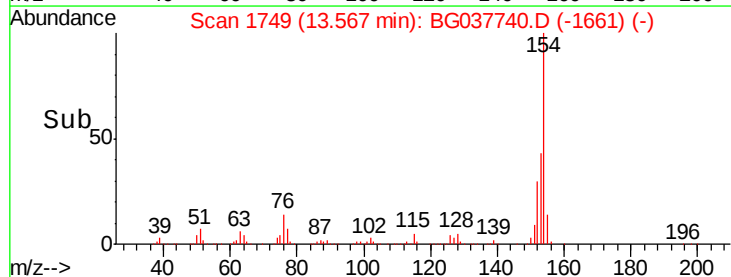
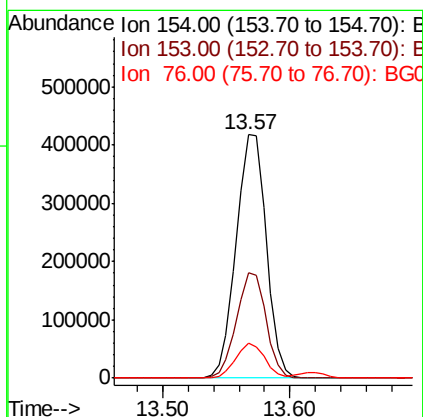
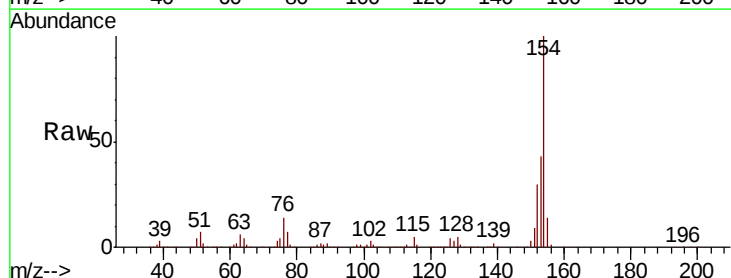
Instrument :  
 BNA\_G  
 ClientSampleId :

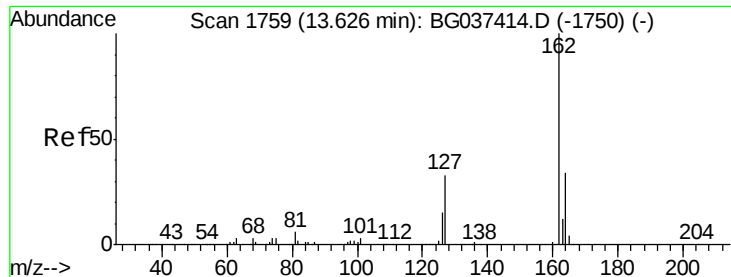
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 39.0  | 31.0  | 46.4  |
| 170     | 25.4  | 20.2  | 30.2  |



#46  
 1,1'-Biphenyl  
 Concen: 46.684 ng  
 RT: 13.57 min Scan# 1749  
 Delta R.T. -0.01 min  
 Lab File: BG037740.D  
 Acq: 2 Nov 2018 4:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 43.5  | 22.1  | 62.1  |
| 76      | 14.2  | 0.0   | 33.2  |

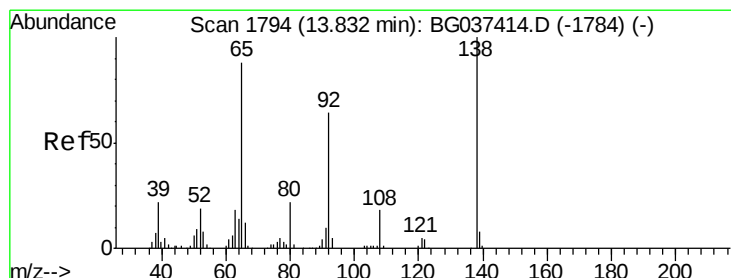
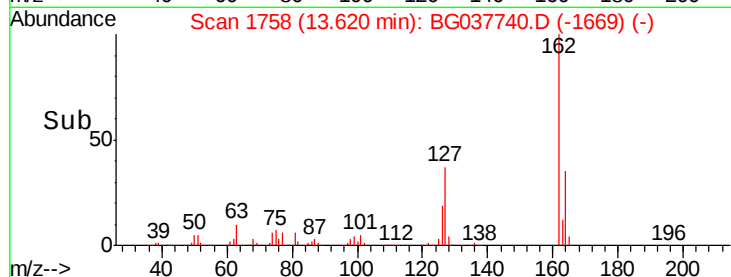
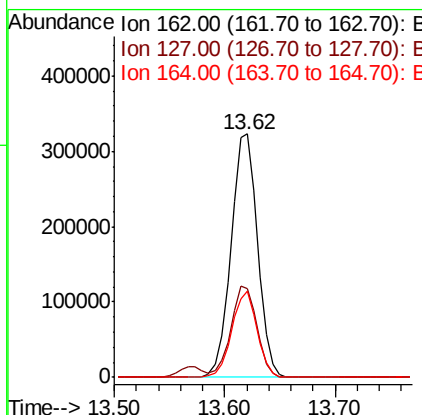
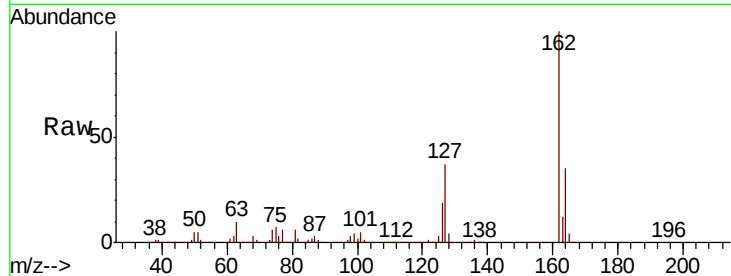




#47  
 2-Chloronaphthalene  
 Concen: 48.889 ng  
 RT: 13.62 min Scan# 1758  
 Delta R.T. -0.01 min  
 Lab File: BG037740.D  
 Acq: 2 Nov 2018 4:58

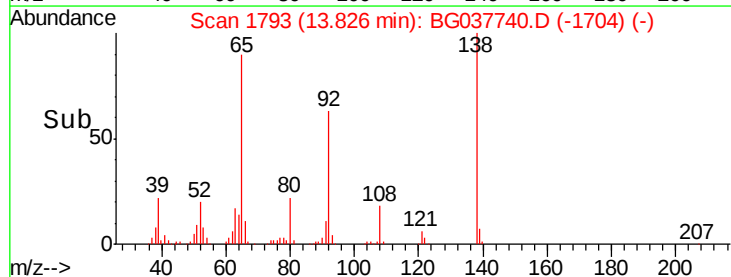
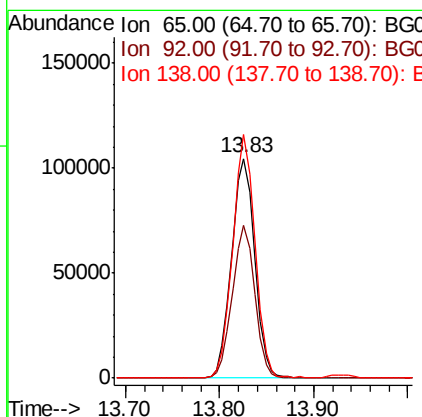
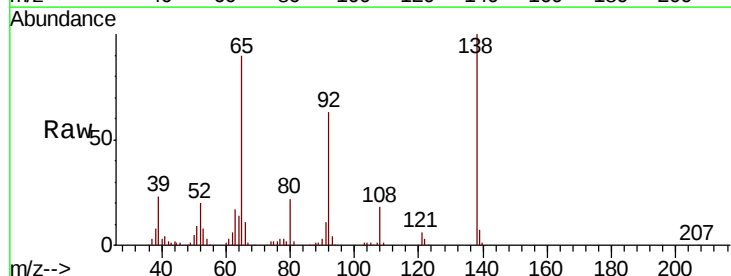
Instrument :  
 BNA\_G  
 ClientSampleId :

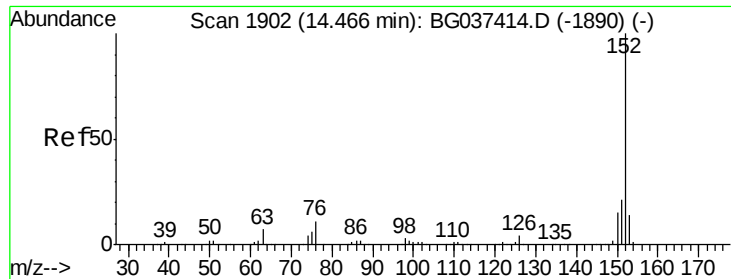
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 36.6  | 30.5  | 45.7  |
| 164     | 35.2  | 26.4  | 39.6  |



#48  
 2-Nitroaniline  
 Concen: 53.206 ng  
 RT: 13.83 min Scan# 1793  
 Delta R.T. -0.01 min  
 Lab File: BG037740.D  
 Acq: 2 Nov 2018 4:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 69.4  | 53.2  | 79.8  |
| 138     | 110.9 | 79.3  | 118.9 |





#49

Acenaphthylene

Concen: 52.534 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

Instrument :

BNA\_G

ClientSampleId :

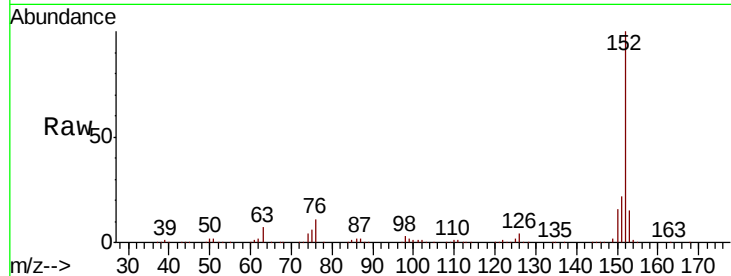
Tot Ion:152 Resp: 879416

Ion Ratio Lower Upper

152 100

151 21.9 17.1 25.7

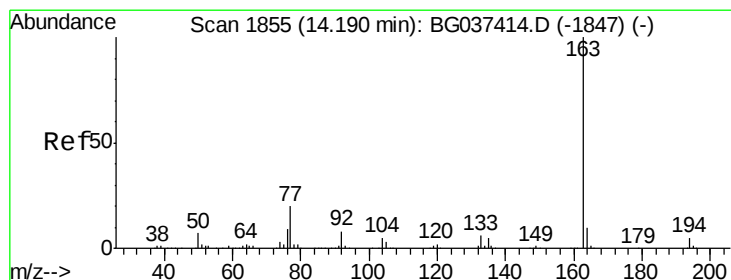
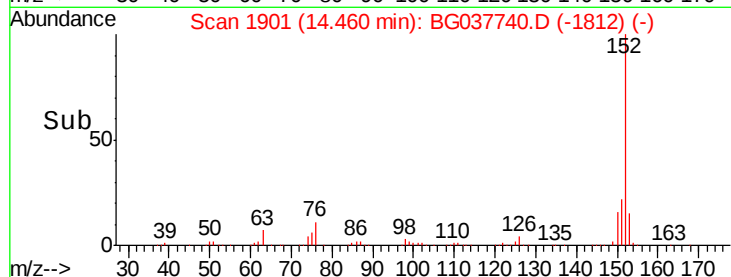
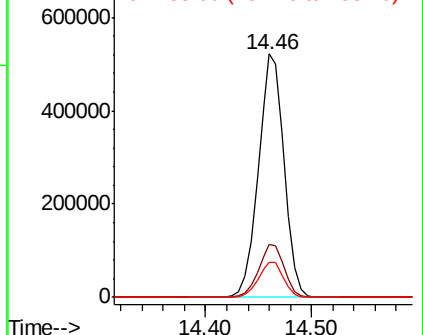
153 14.5 11.1 16.7



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: 50.019 ng

RT: 14.18 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

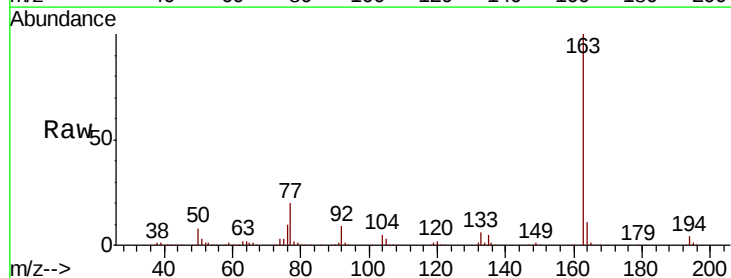
Tgt Ion:163 Resp: 687278

Ion Ratio Lower Upper

163 100

194 4.3 3.5 5.3

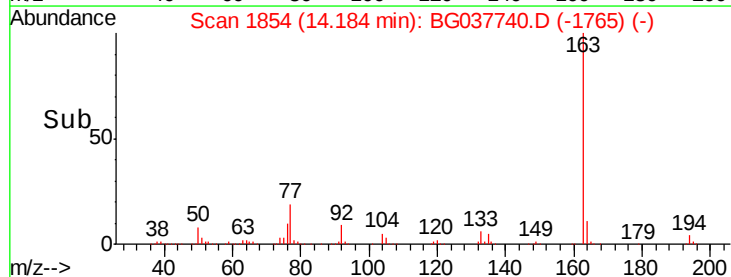
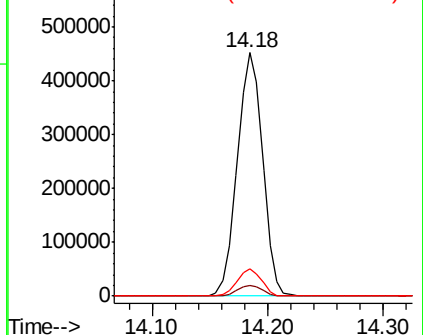
164 11.1 8.5 12.7

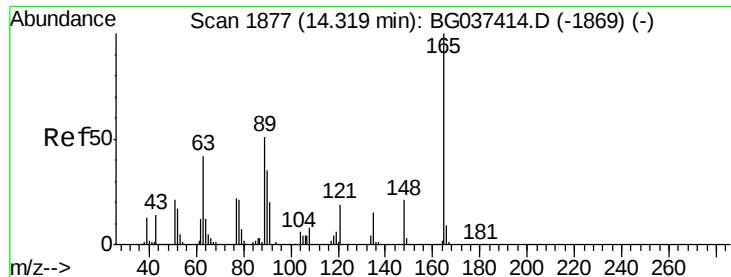


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 53.040 ng

RT: 14.31 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

Instrument :

BNA\_G

ClientSampleId :

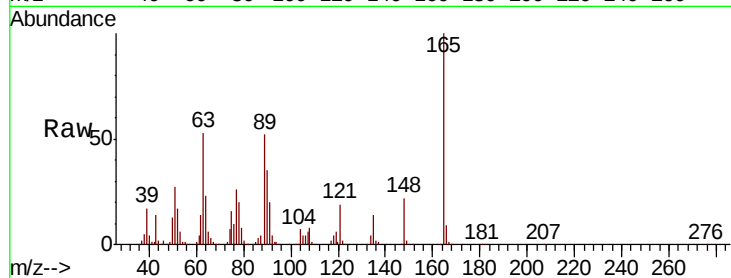
Tot Ion:165 Resp: 161223

Ion Ratio Lower Upper

165 100

63 52.5 43.4 65.2

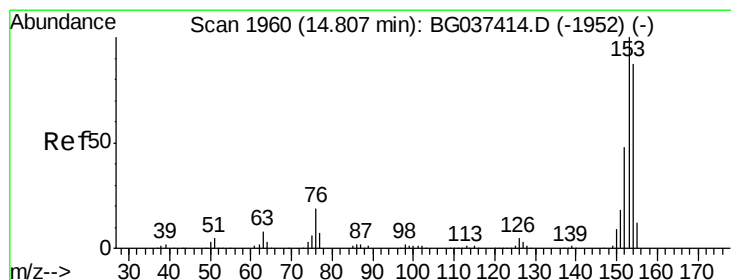
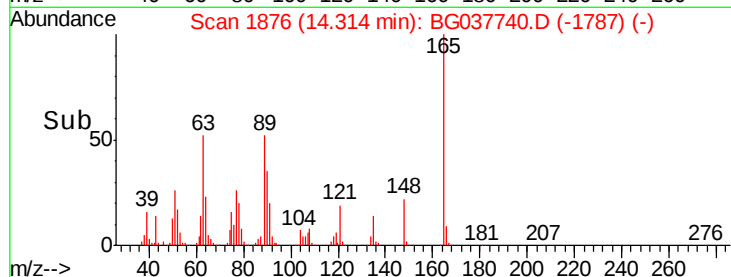
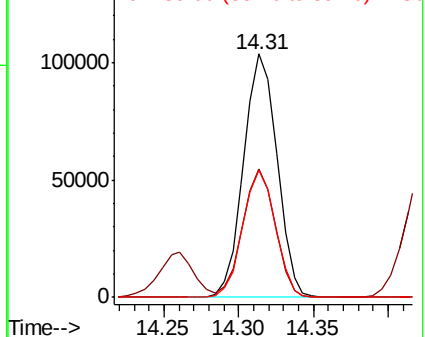
89 52.4 45.8 68.6



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



#52

Acenaphthene

Concen: 50.759 ng

RT: 14.80 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

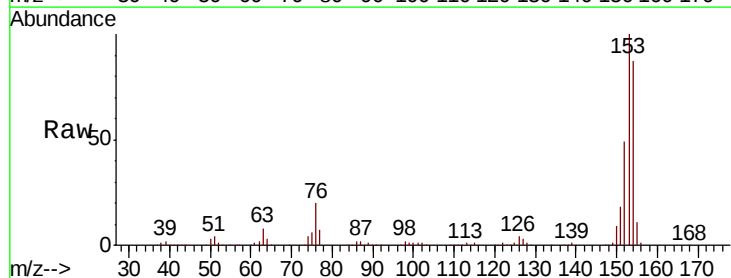
Tgt Ion:154 Resp: 523305

Ion Ratio Lower Upper

154 100

153 114.3 93.4 140.0

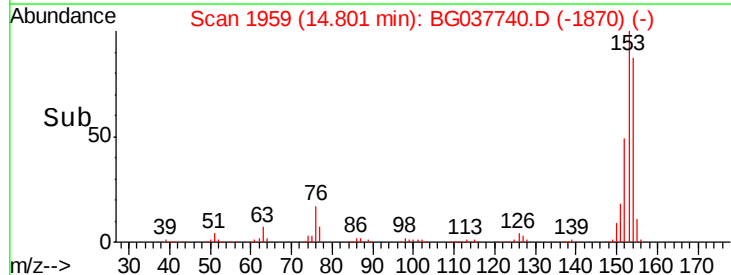
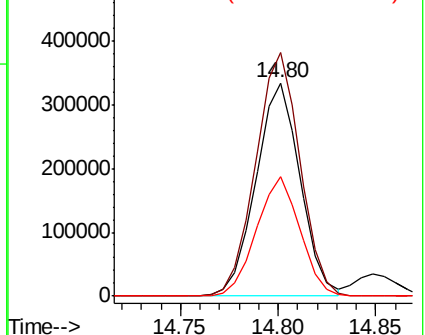
152 56.0 44.7 67.1



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: 22.960 ng

RT: 14.65 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

Instrument :

BNA\_G

ClientSampleId :

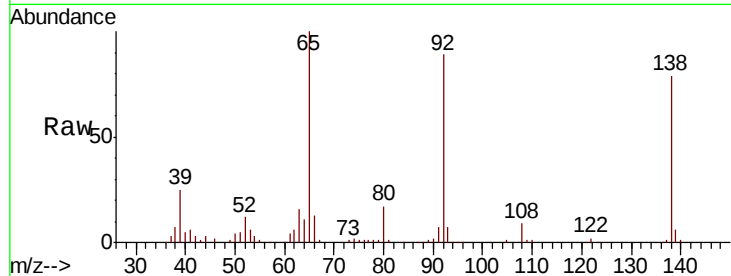
Tot Ion:138 Resp: 77479

Ion Ratio Lower Upper

138 100

108 11.3 11.0 16.6

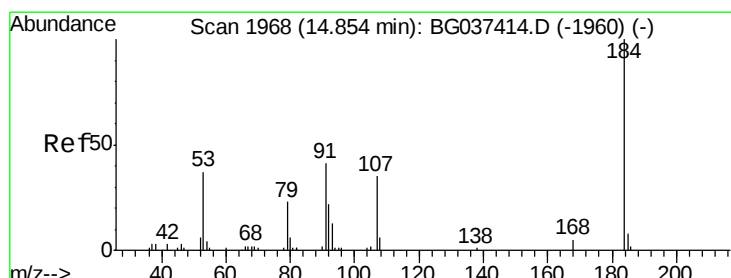
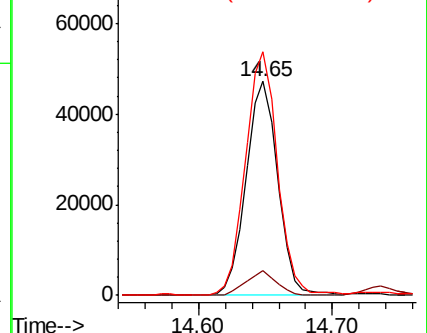
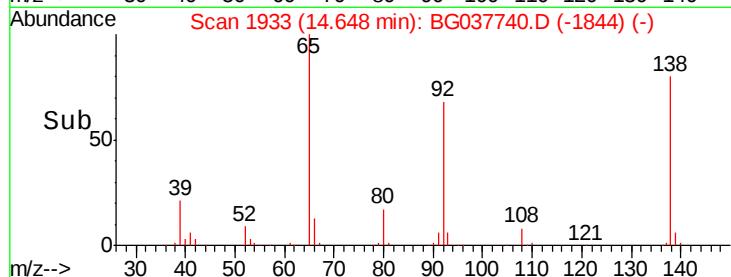
92 113.7 95.2 142.8



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: 80.076 ng

RT: 14.85 min Scan# 1967

Delta R.T. -0.00 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

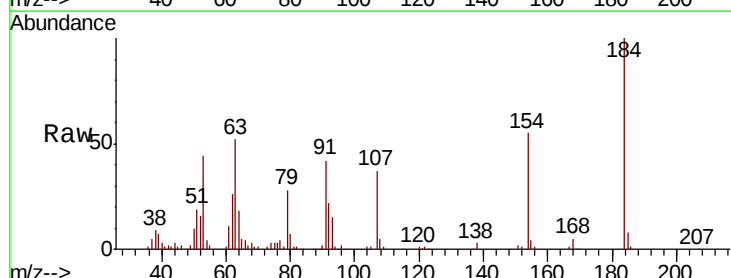
Tgt Ion:184 Resp: 108106

Ion Ratio Lower Upper

184 100

63 52.5 42.6 63.8

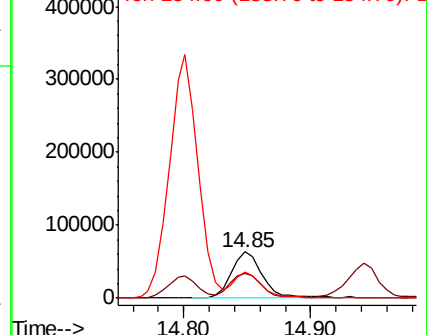
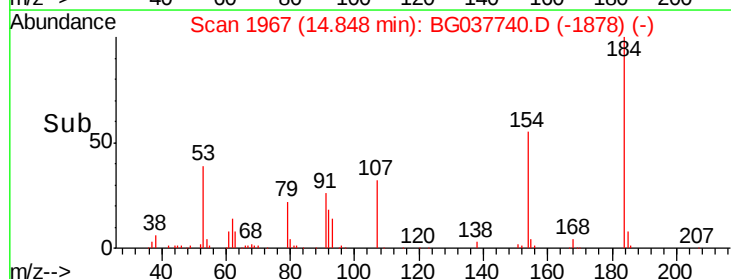
154 55.4 41.8 62.6

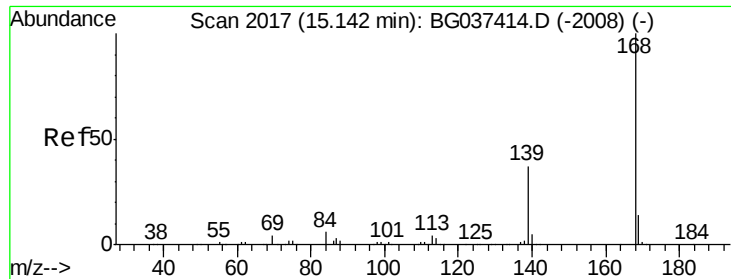


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

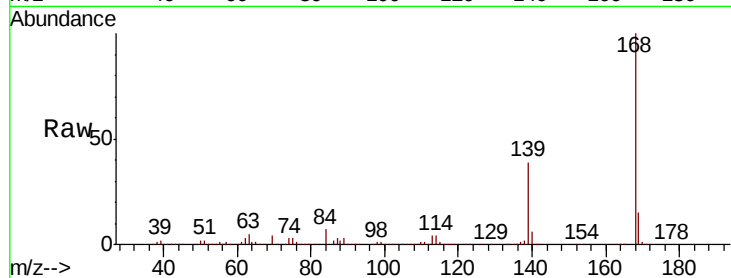




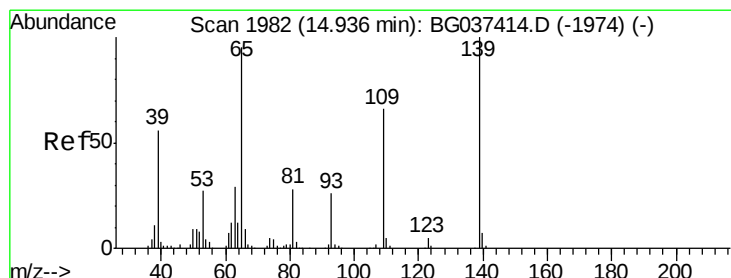
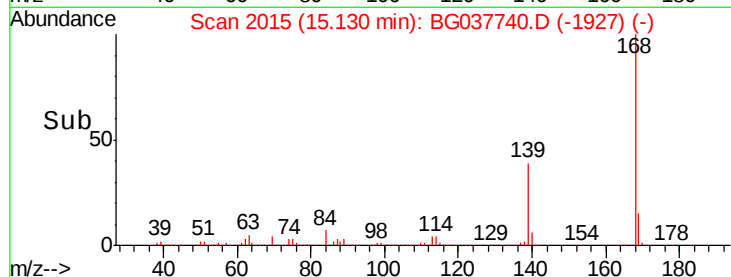
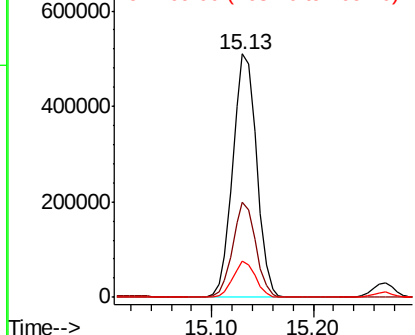
#55  
Dibenzofuran  
Concen: 48.646 ng  
RT: 15.13 min Scan# 2015  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:168 Resp: 830937  
Ion Ratio Lower Upper  
168 100  
139 38.9 29.4 44.0  
169 14.8 11.0 16.6

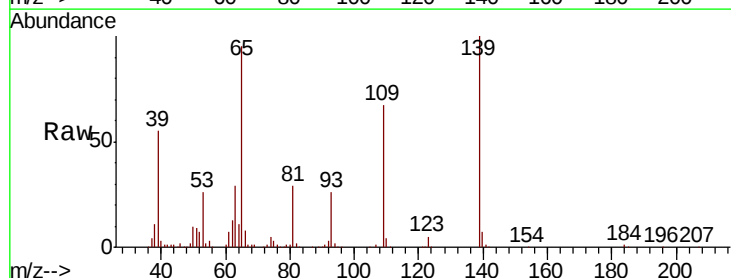


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

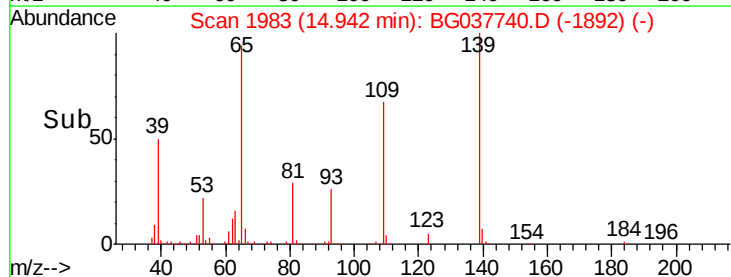
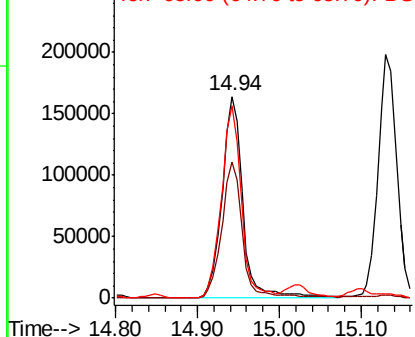


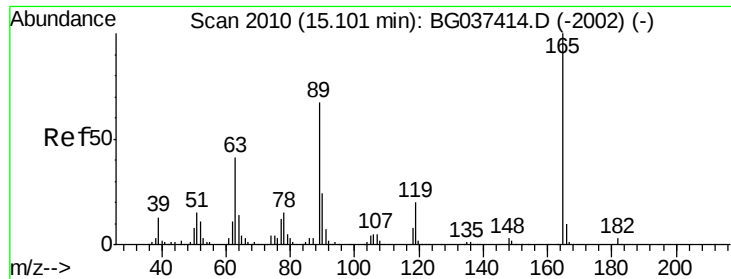
#56  
4-Nitrophenol  
Concen: 116.362 ng  
RT: 14.94 min Scan# 1983  
Delta R.T. 0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

Tgt Ion:139 Resp: 290644  
Ion Ratio Lower Upper  
139 100  
109 67.3 49.5 89.5  
65 95.0 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): BGC

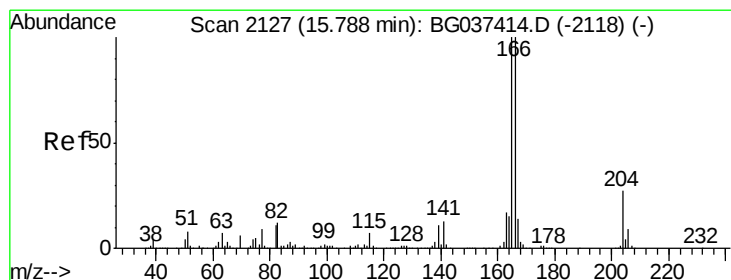
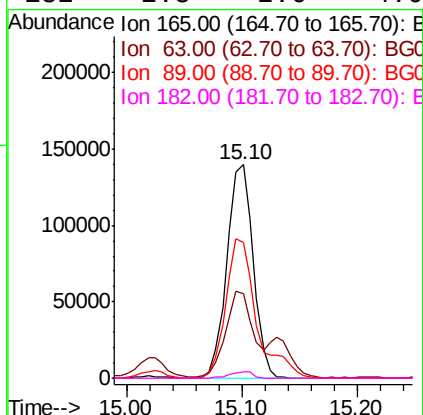
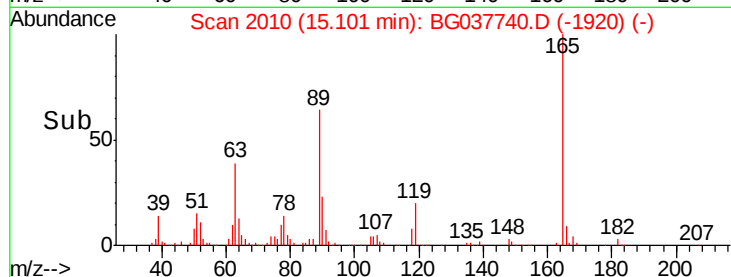
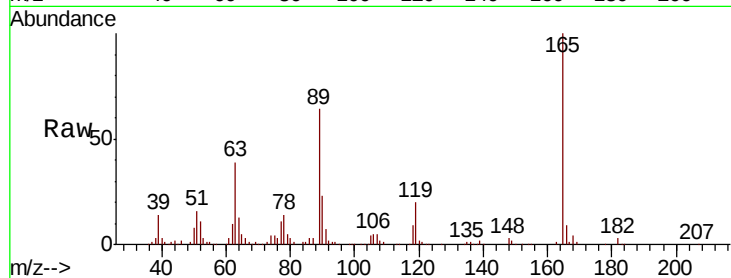




#57  
2,4-Dinitrotoluene  
Concen: 55.434 ng  
RT: 15.10 min Scan# 2010  
Delta R.T. 0.00 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

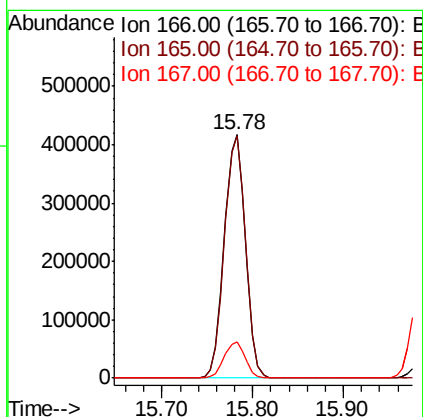
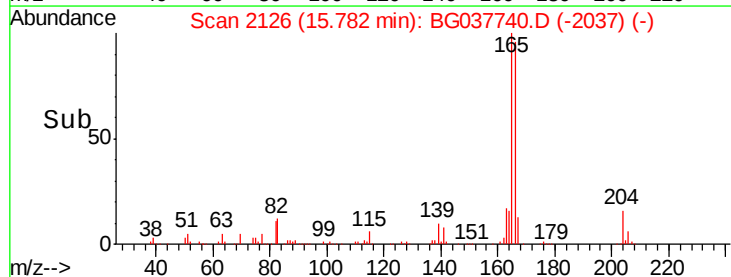
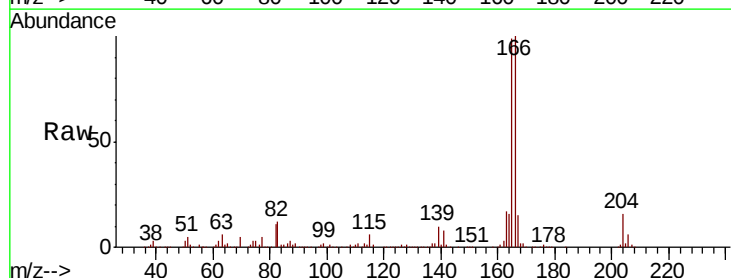
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:165 Resp: 221186  
Ion Ratio Lower Upper  
165 100  
63 39.4 33.4 50.0  
89 63.8 57.2 85.8  
182 2.8 2.6 4.0



#58  
Fluorene  
Concen: 52.609 ng  
RT: 15.78 min Scan# 2126  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

Tgt Ion:166 Resp: 672944  
Ion Ratio Lower Upper  
166 100  
165 99.4 79.0 118.6  
167 15.0 11.3 16.9

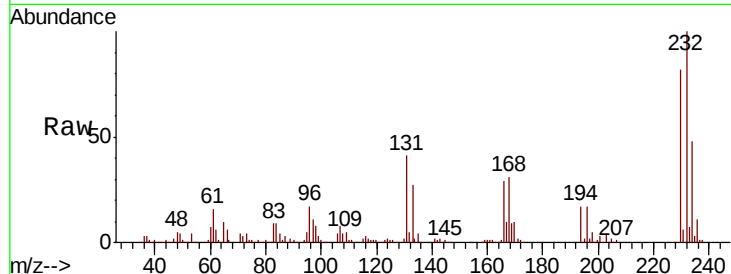




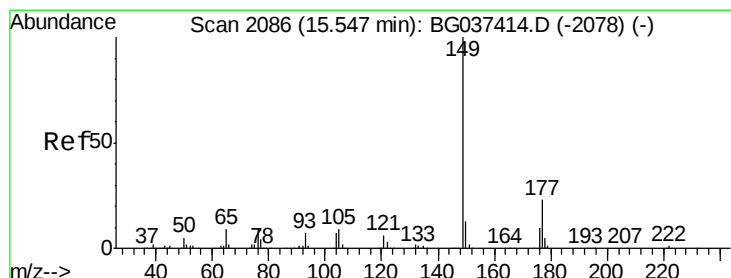
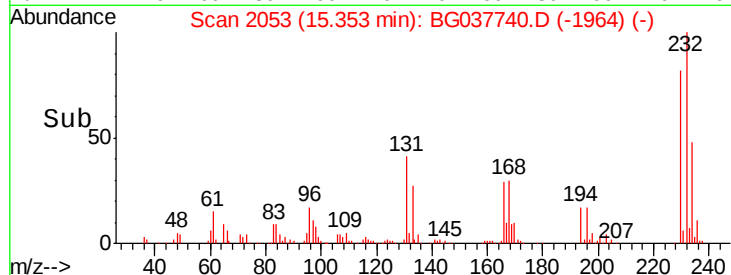
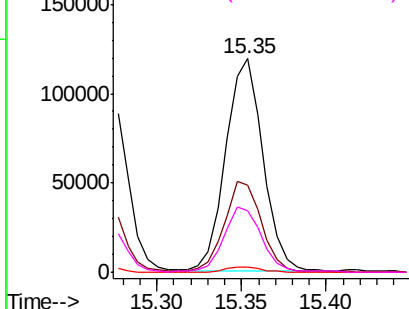
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 51.066 ng  
RT: 15.35 min Scan# 2053  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 43.6  | 33.7  | 50.5  |
| 130     | 2.4   | 2.1   | 3.1   |
| 166     | 31.0  | 24.6  | 36.8  |

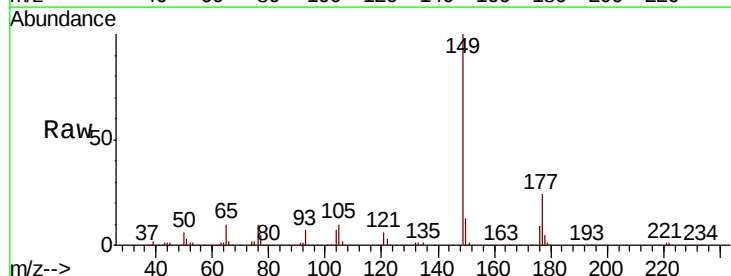


Abundance Ion 232.00 (231.70 to 232.70): E  
Ion 131.00 (130.70 to 131.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 166.00 (165.70 to 166.70): E

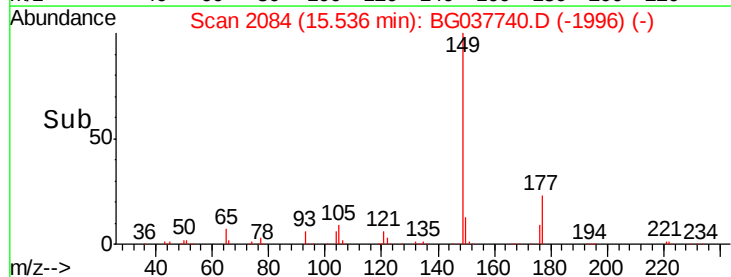
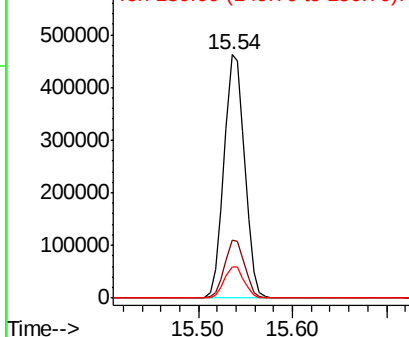


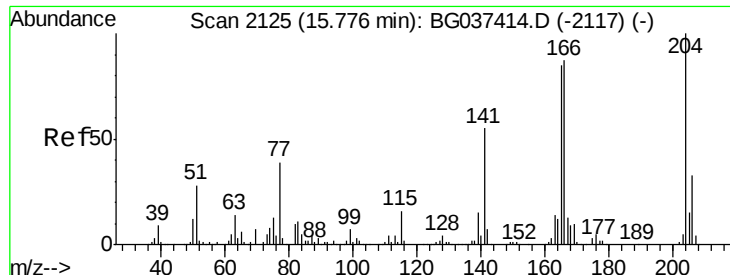
#60  
Diethylphthalate  
Concen: 49.999 ng  
RT: 15.54 min Scan# 2084  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 23.6  | 18.3  | 27.5  |
| 150     | 12.8  | 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

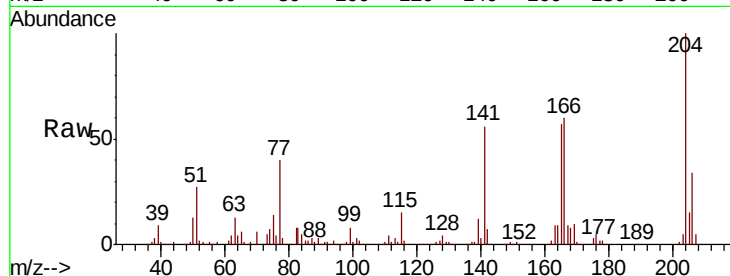




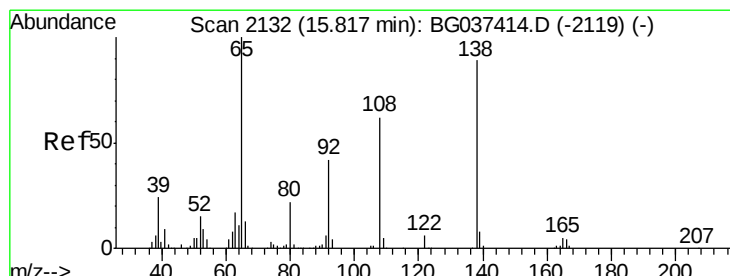
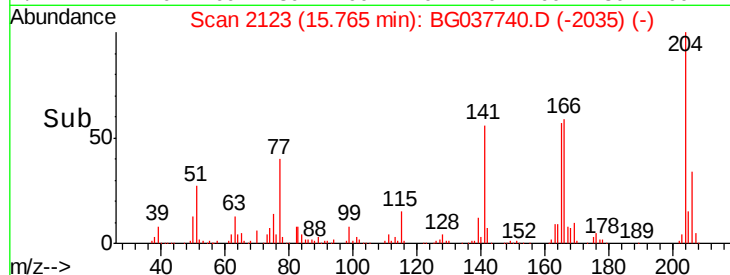
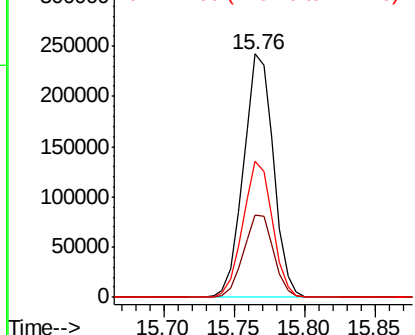
#61  
4-Chlorophenyl-phenylether  
Concen: 48.109 ng  
RT: 15.76 min Scan# 2123  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:204 Resp: 358682  
Ion Ratio Lower Upper  
204 100  
206 34.0 26.6 39.8  
141 56.0 45.4 68.2

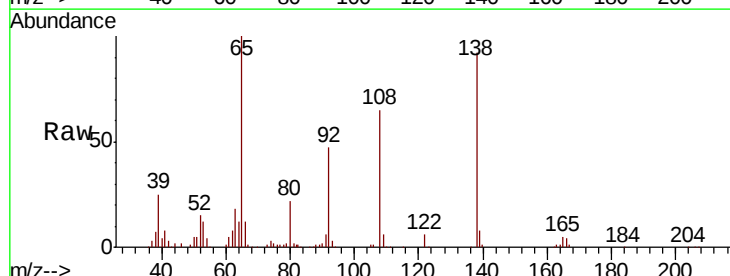


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

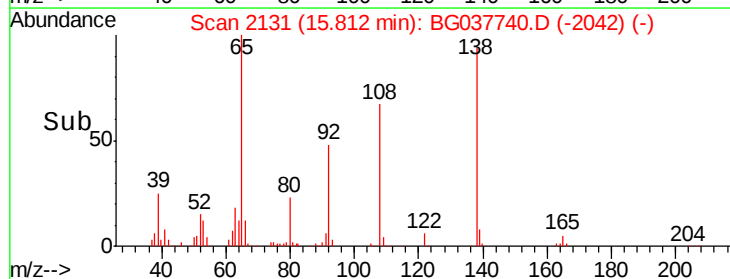
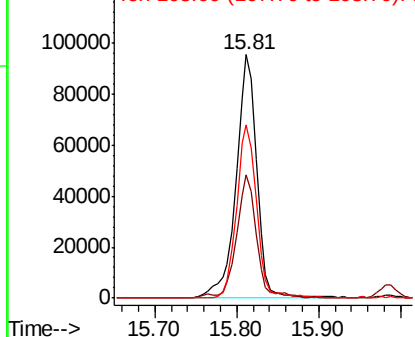


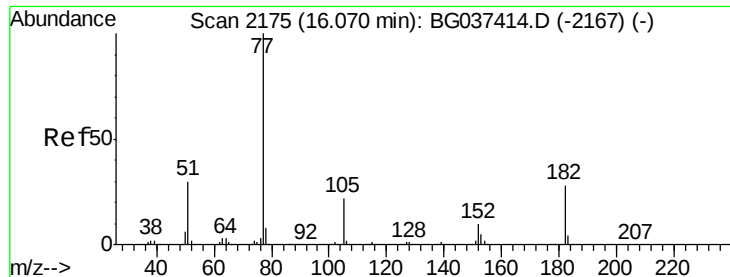
#62  
4-Nitroaniline  
Concen: 50.284 ng  
RT: 15.81 min Scan# 2131  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

Tgt Ion:138 Resp: 168607  
Ion Ratio Lower Upper  
138 100  
92 50.9 36.4 76.4  
108 71.2 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: 49.294 ng

RT: 16.06 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 77 Resp: 663469

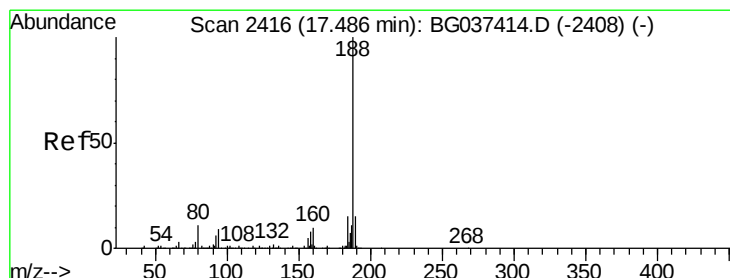
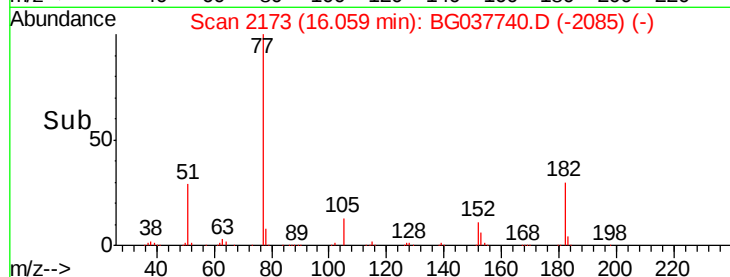
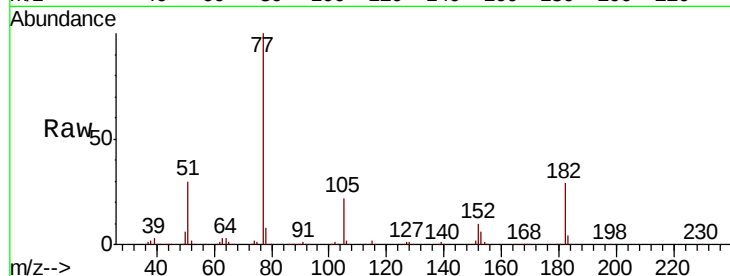
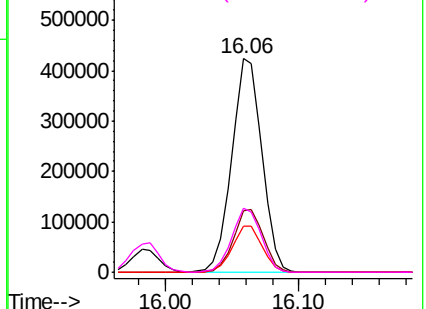
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 28.5  | 8.0   | 48.0  |
| 105 | 21.8  | 1.3   | 41.3  |
| 51  | 30.1  | 10.7  | 50.7  |

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: BG037740.D

Acq: 2 Nov 2018 4:58

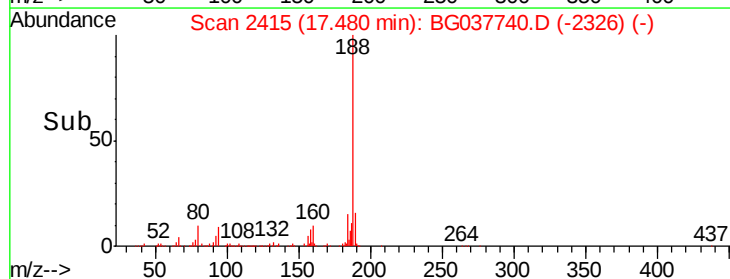
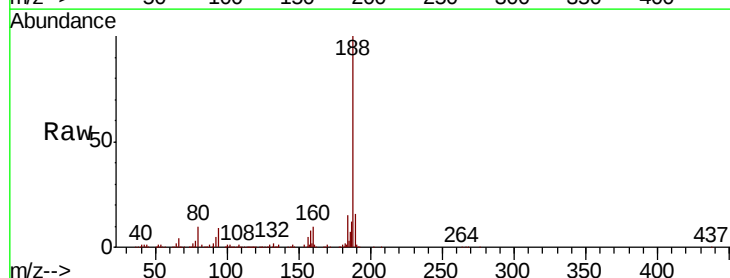
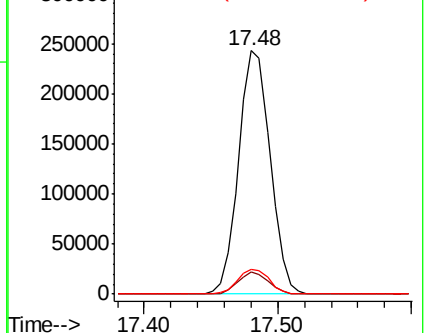
Tgt Ion: 188 Resp: 397594

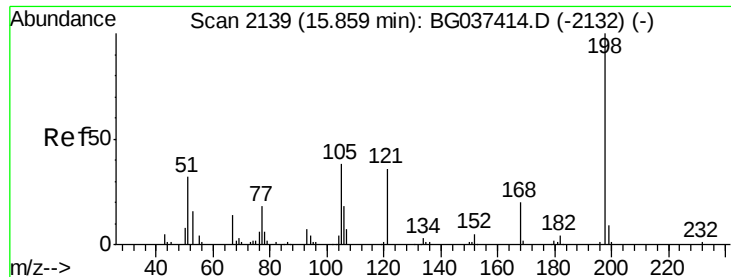
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 9.3   | 7.2   | 10.8  |
| 80  | 10.1  | 7.7   | 11.5  |

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: 49.804 ng

RT: 15.86 min Scan# 2139

Delta R.T. 0.00 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

Instrument :

BNA\_G

ClientSampleId :

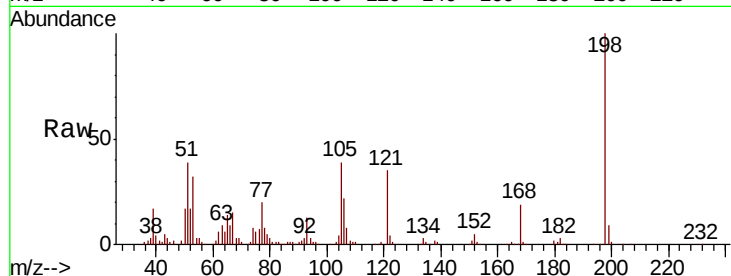
Tot Ion:198 Resp: 104721

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 198 | 100   |       |       |
| 51  | 39.5  | 22.7  | 62.7  |
| 105 | 39.1  | 19.7  | 59.7  |

198 100

51 39.5 22.7 62.7

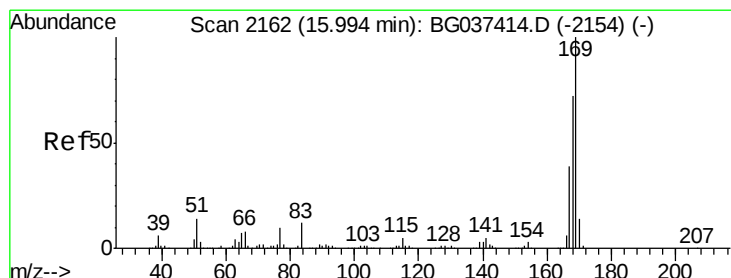
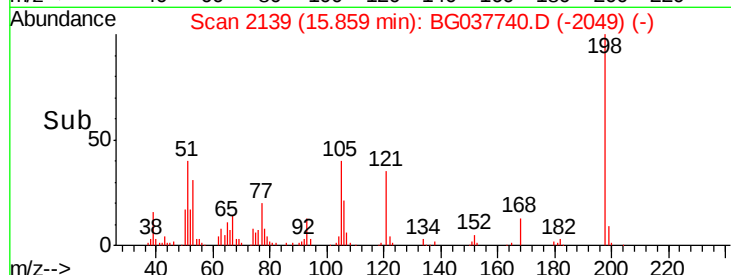
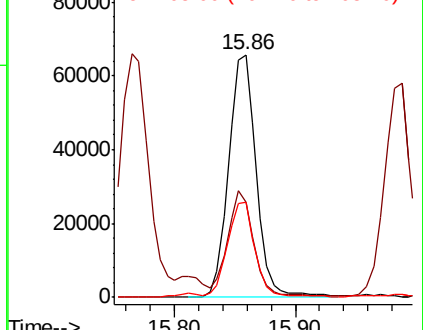
105 39.1 19.7 59.7



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: 51.088 ng

RT: 15.99 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

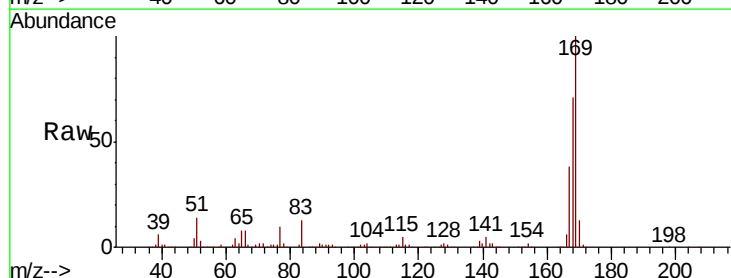
Tgt Ion:169 Resp: 610993

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 169 | 100   |       |       |
| 168 | 70.6  | 55.7  | 83.5  |
| 167 | 38.4  | 31.3  | 46.9  |

169 100

168 70.6 55.7 83.5

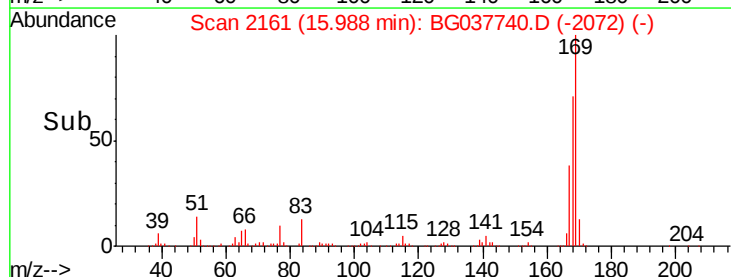
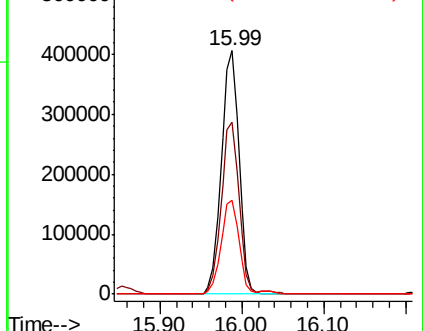
167 38.4 31.3 46.9

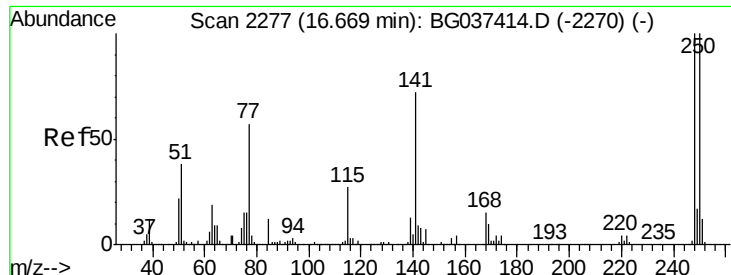


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

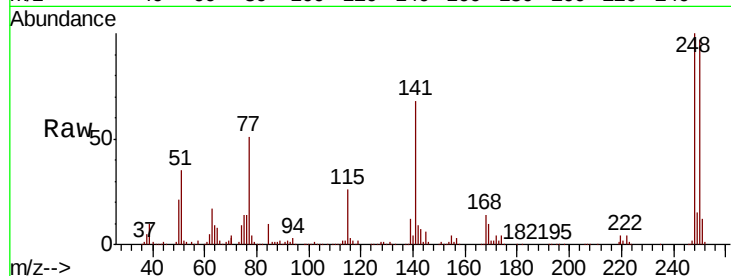




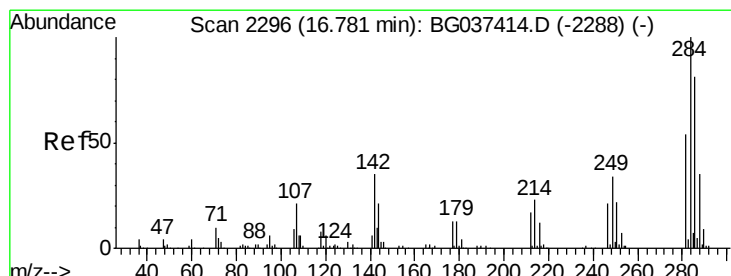
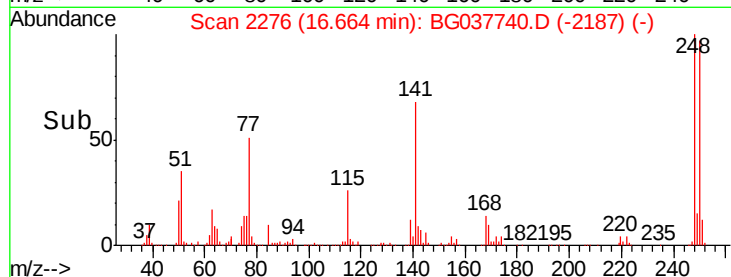
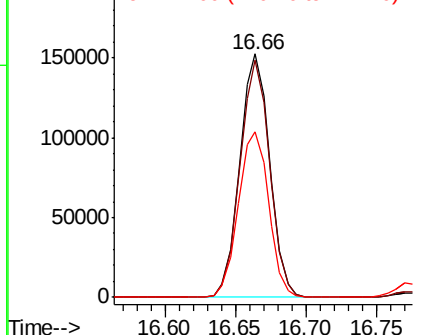
#67  
4-Bromophenyl-phenylether  
Concen: 51.651 ng  
RT: 16.66 min Scan# 2276  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:248 Resp: 225519  
Ion Ratio Lower Upper  
248 100  
250 97.4 77.0 115.6  
141 68.1 55.5 83.3

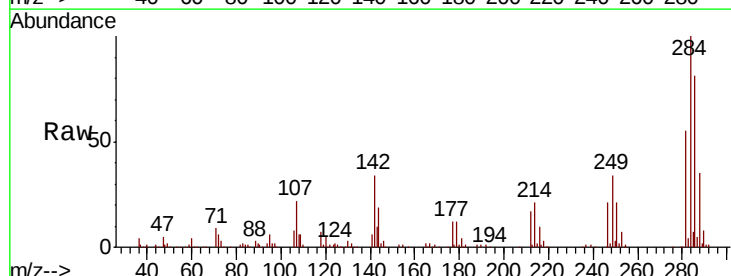


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

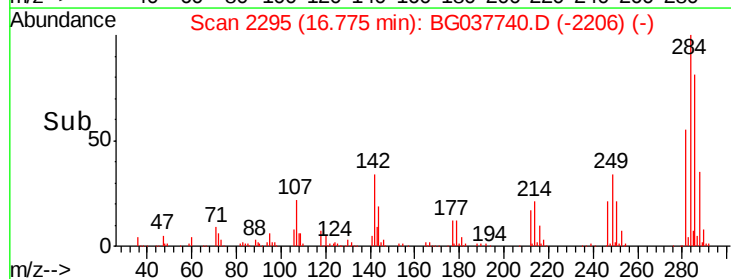
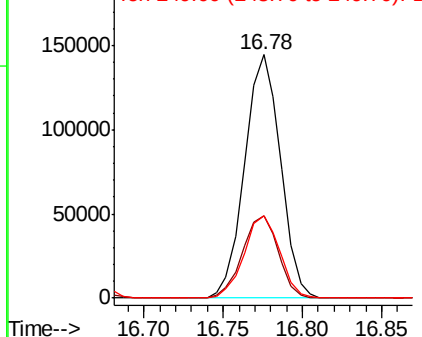


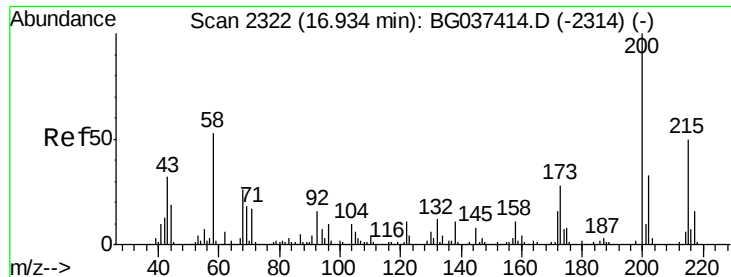
#68  
Hexachlorobenzene  
Concen: 50.182 ng  
RT: 16.78 min Scan# 2295  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

Tgt Ion:284 Resp: 227083  
Ion Ratio Lower Upper  
284 100  
142 33.8 28.1 42.1  
249 36.2 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

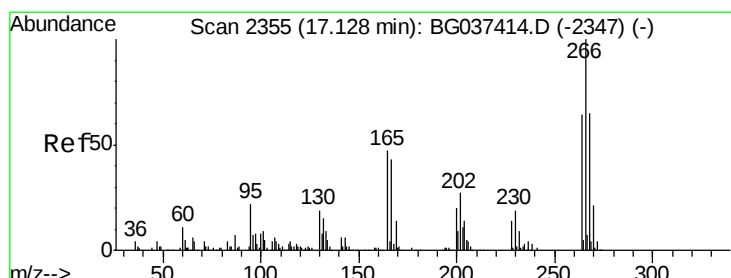
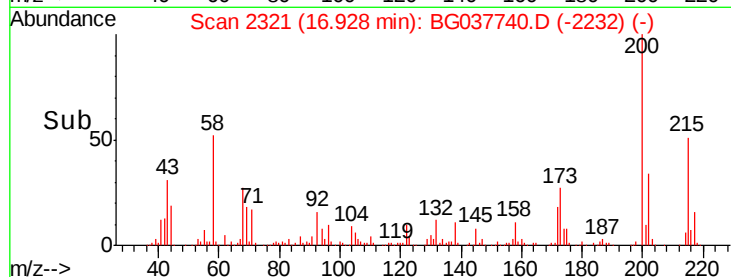
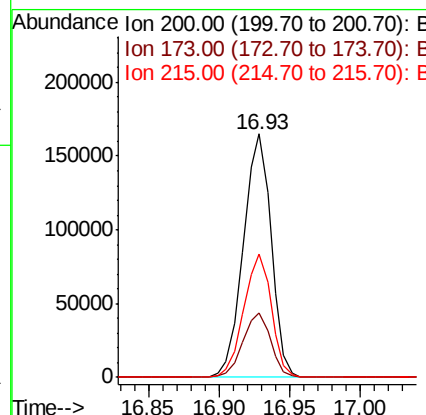
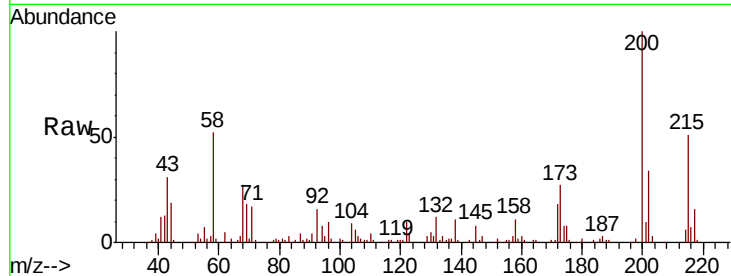




#69  
 Atrazine  
 Concen: 52.557 ng  
 RT: 16.93 min Scan# 2321  
 Delta R.T. -0.01 min  
 Lab File: BG037740.D  
 Acq: 2 Nov 2018 4:58

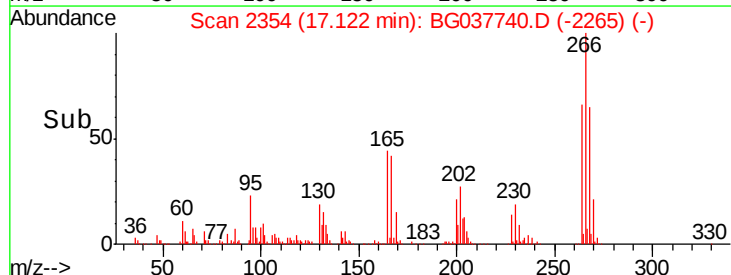
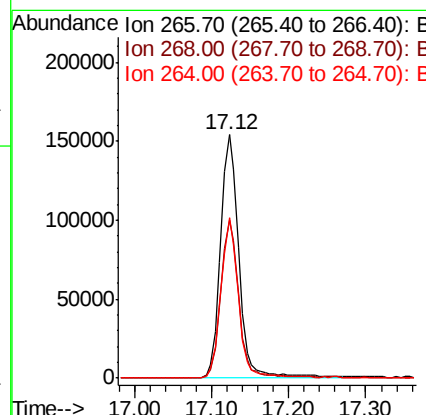
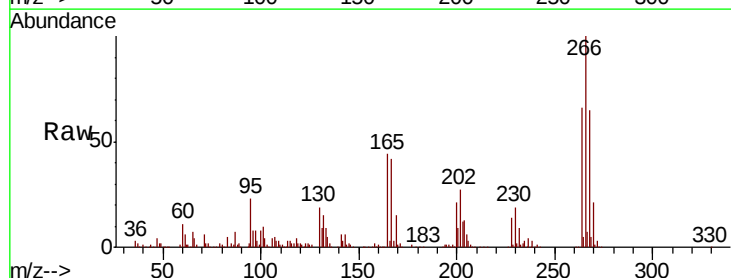
Instrument :  
 BNA\_G  
 ClientSampleId :

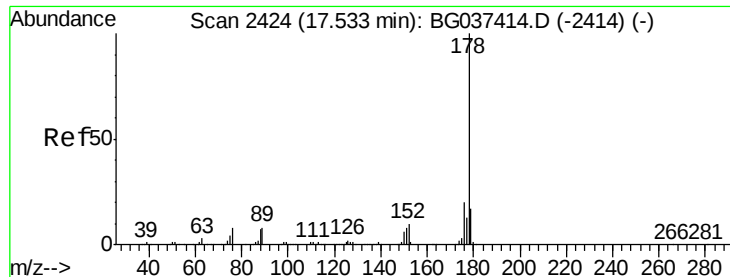
Tot Ion:200 Resp: 227261  
 Ion Ratio Lower Upper  
 200 100  
 173 26.7 6.1 46.1  
 215 50.8 30.8 70.8



#70  
 Pentachlorophenol  
 Concen: 83.750 ng  
 RT: 17.12 min Scan# 2354  
 Delta R.T. -0.01 min  
 Lab File: BG037740.D  
 Acq: 2 Nov 2018 4:58

Tgt Ion:266 Resp: 253858  
 Ion Ratio Lower Upper  
 266 100  
 268 69.3 55.0 82.6  
 264 70.8 58.9 88.3

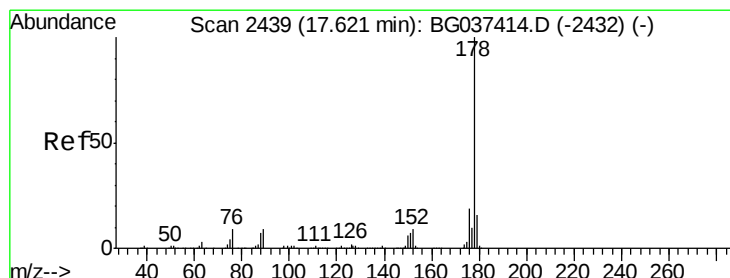
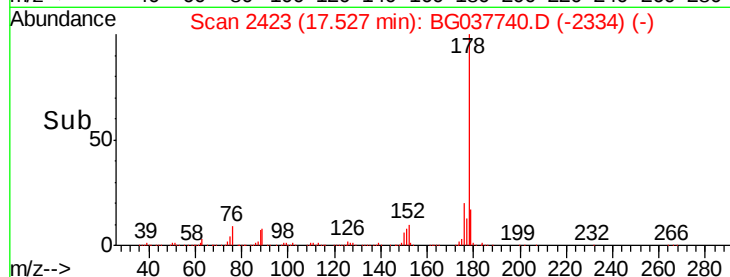
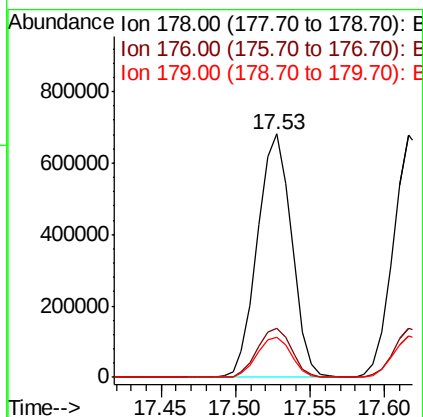
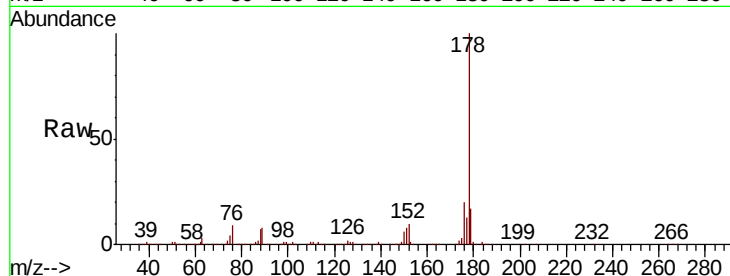




#71  
Phenanthrene  
Concen: 53.464 ng  
RT: 17.53 min Scan# 2423  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

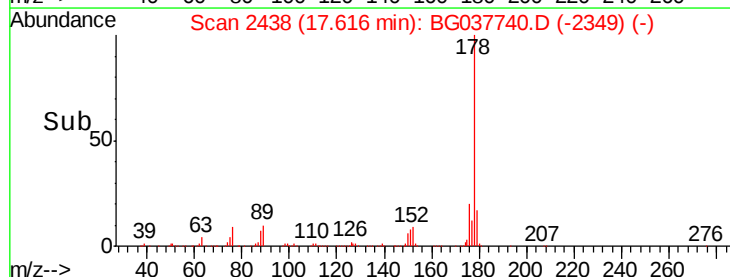
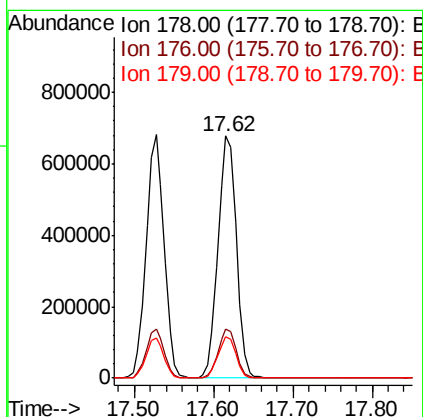
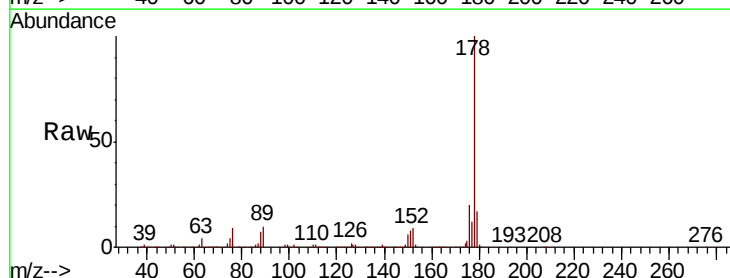
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:178 Resp: 1080340  
Ion Ratio Lower Upper  
178 100  
176 20.3 16.1 24.1  
179 16.6 13.0 19.4



#72  
Anthracene  
Concen: 54.951 ng  
RT: 17.62 min Scan# 2438  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

Tgt Ion:178 Resp: 1089701  
Ion Ratio Lower Upper  
178 100  
176 20.0 15.0 22.4  
179 17.1 12.8 19.2

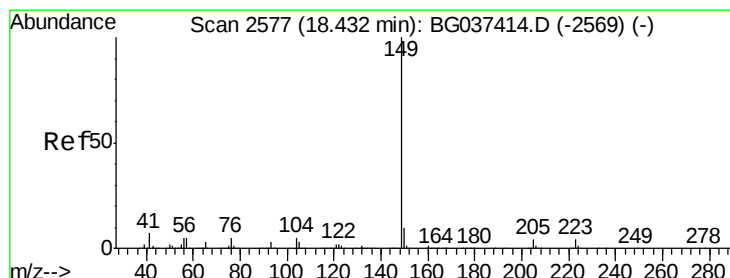
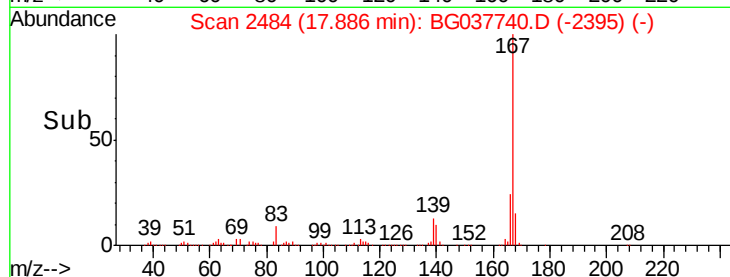
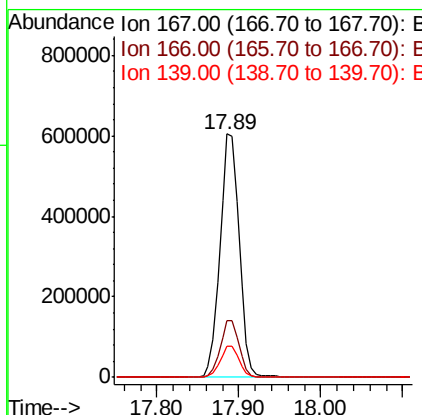
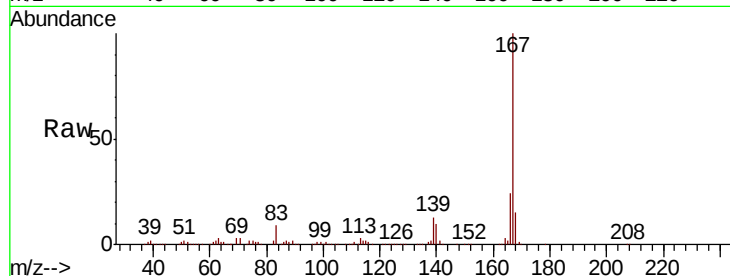




#73  
 Carbazole  
 Concen: 50.035 ng  
 RT: 17.89 min Scan# 2484  
 Delta R.T. -0.01 min  
 Lab File: BG037740.D  
 Acq: 2 Nov 2018 4:58

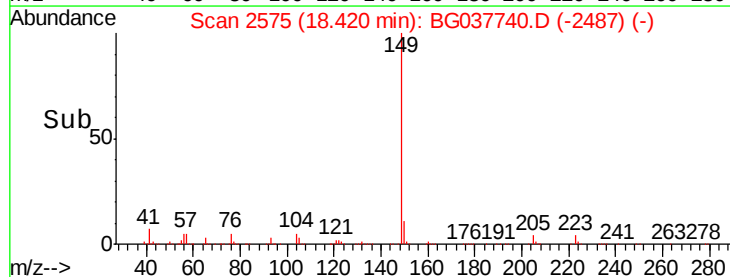
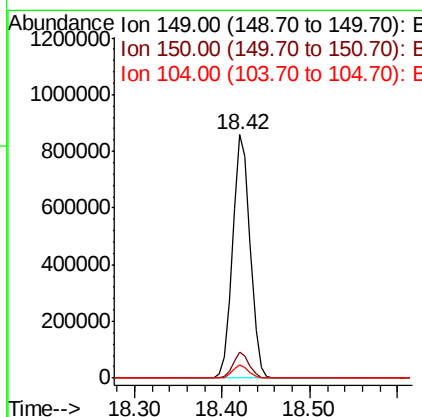
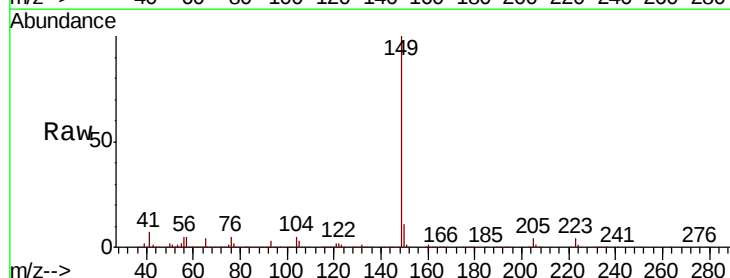
Instrument :  
 BNA\_G  
 ClientSampleId :

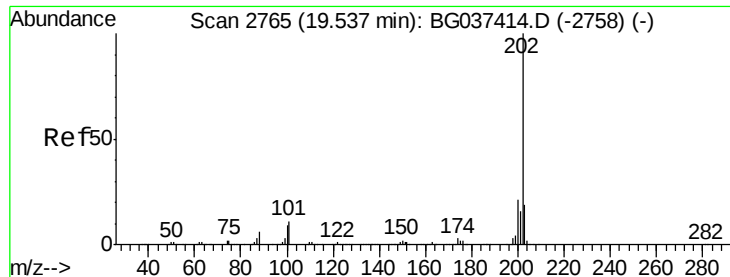
Tot Ion:167 Resp: 992510  
 Ion Ratio Lower Upper  
 167 100  
 166 23.6 18.3 27.5  
 139 12.9 10.5 15.7



#74  
 Di-n-butylphthalate  
 Concen: 52.727 ng  
 RT: 18.42 min Scan# 2575  
 Delta R.T. -0.01 min  
 Lab File: BG037740.D  
 Acq: 2 Nov 2018 4:58

Tgt Ion:149 Resp: 1163488  
 Ion Ratio Lower Upper  
 149 100  
 150 10.6 8.2 12.2  
 104 5.4 4.0 6.0





#75

Fluoranthene

Concen: 53.414 ng

RT: 19.53 min Scan# 2764

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

Instrument :

BNA\_G

ClientSampleId :

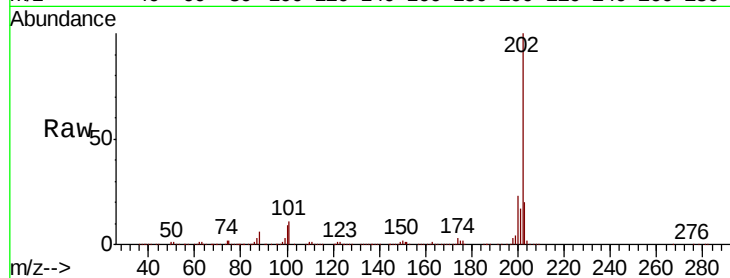
Tot Ion:202 Resp: 1224165

Ion Ratio Lower Upper

202 100

101 11.2 0.0 30.7

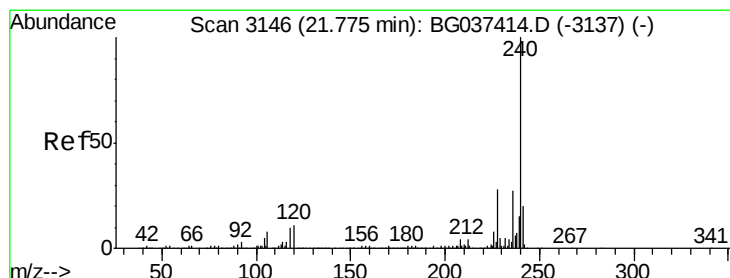
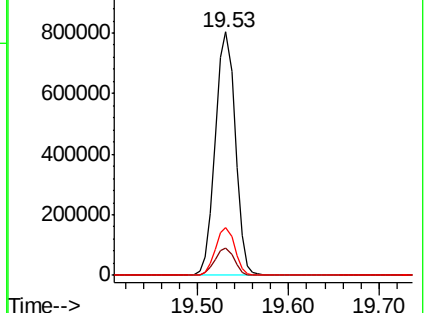
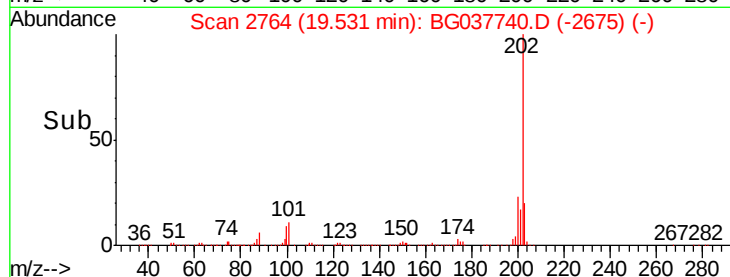
203 19.6 0.0 38.5



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: BG037740.D

Acq: 2 Nov 2018 4:58

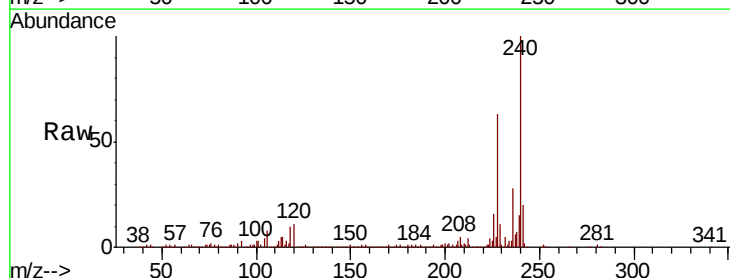
Tgt Ion:240 Resp: 353723

Ion Ratio Lower Upper

240 100

120 10.7 8.1 12.1

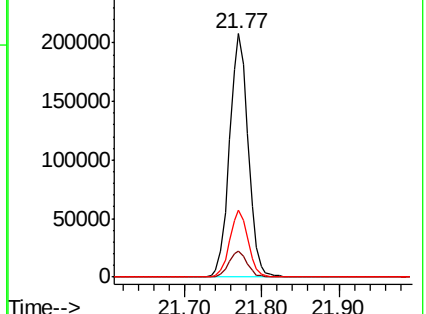
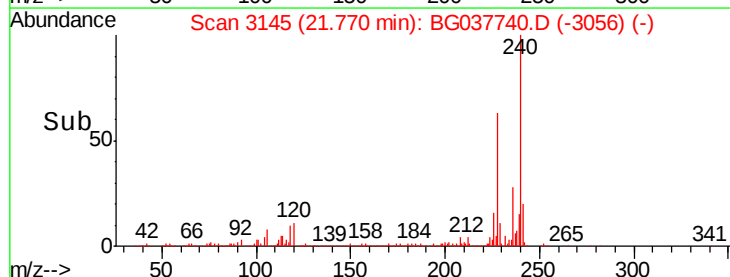
236 27.7 21.4 32.0



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: 13.589 ng

RT: 19.71 min Scan# 2795

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

Instrument :

BNA\_G

ClientSampled :

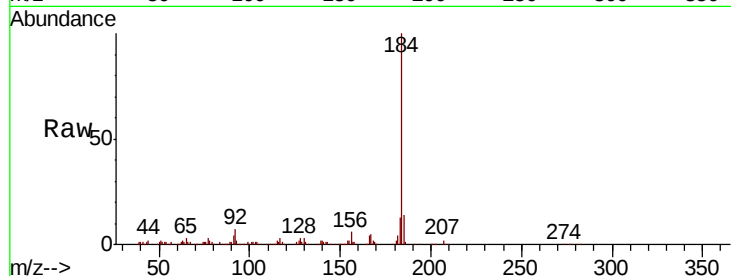
Tot Ion:184 Resp: 163439

Ion Ratio Lower Upper

184 100

185 14.1 12.6 18.8

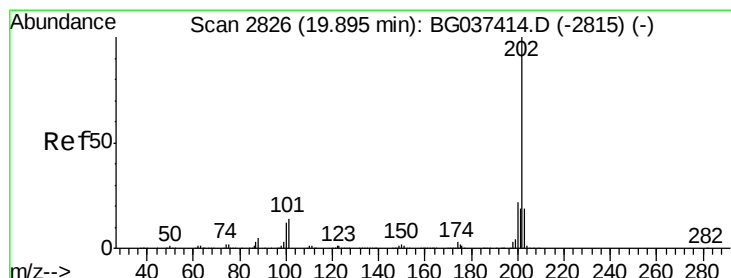
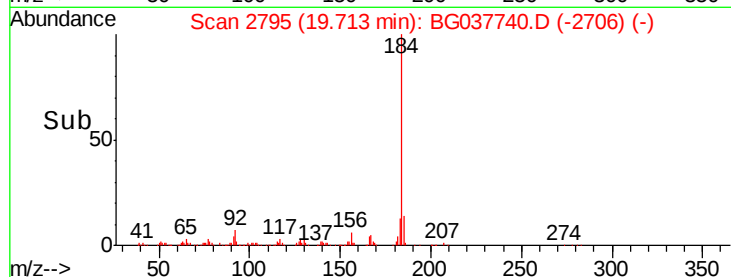
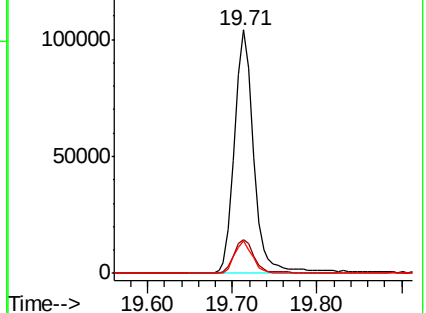
183 13.4 10.2 15.2



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 52.900 ng

RT: 19.90 min Scan# 2826

Delta R.T. 0.00 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

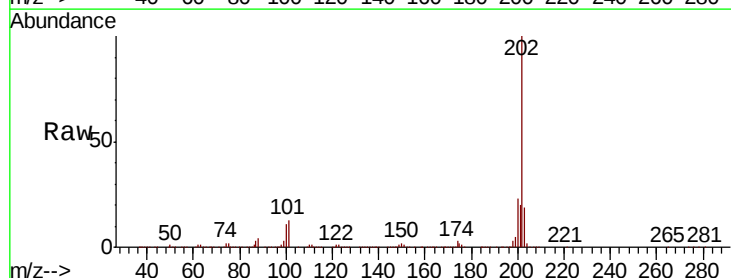
Tgt Ion:202 Resp: 1223224

Ion Ratio Lower Upper

202 100

200 22.7 17.8 26.6

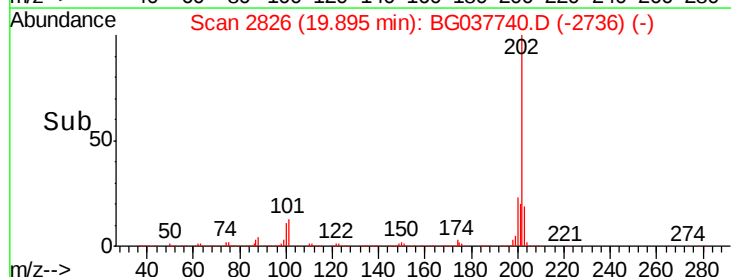
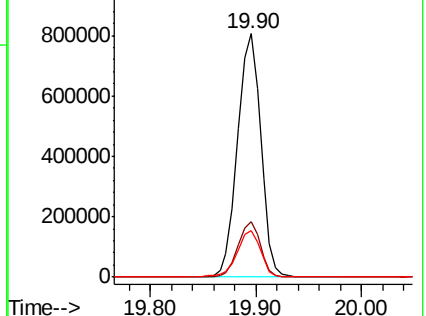
203 19.4 15.2 22.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 84.377 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

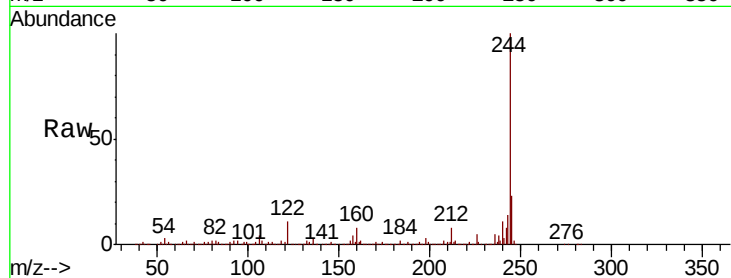
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:244 Resp: 1396792

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.4   | 6.5   | 9.7   |
| 122 | 11.0  | 9.0   | 13.4  |

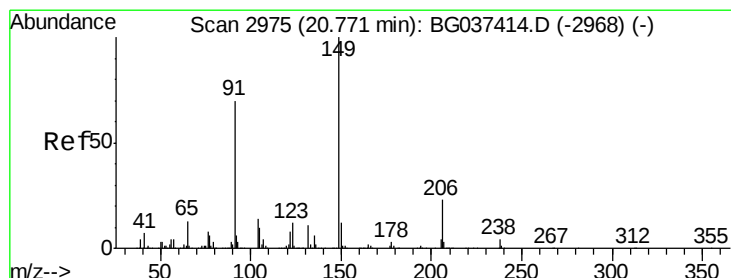
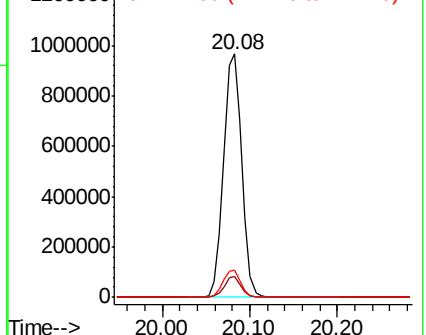
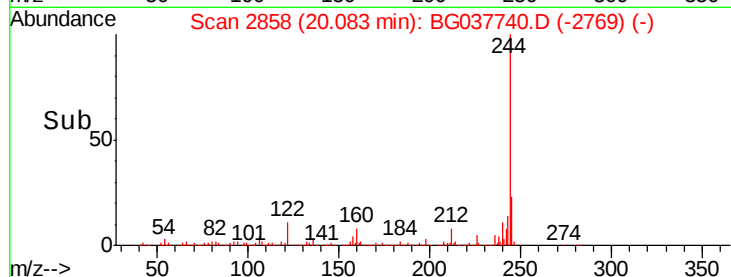


Abundance

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: 56.658 ng

RT: 20.76 min Scan# 2974

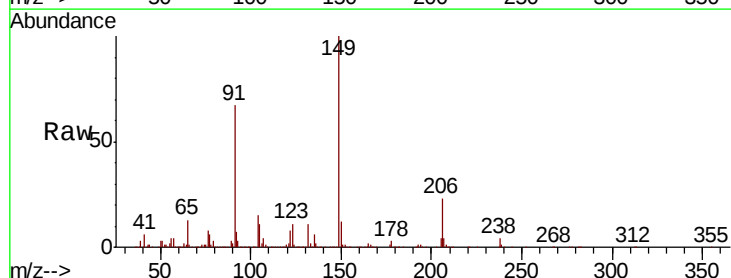
Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

Tgt Ion:149 Resp: 536184

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 67.4  | 57.0  | 85.4  |
| 206 | 23.3  | 17.8  | 26.6  |

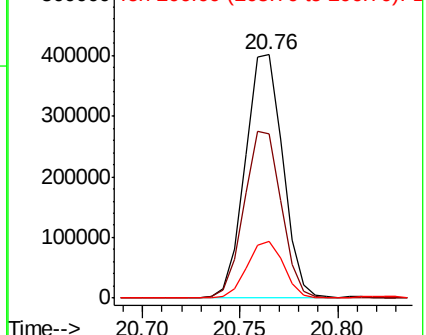
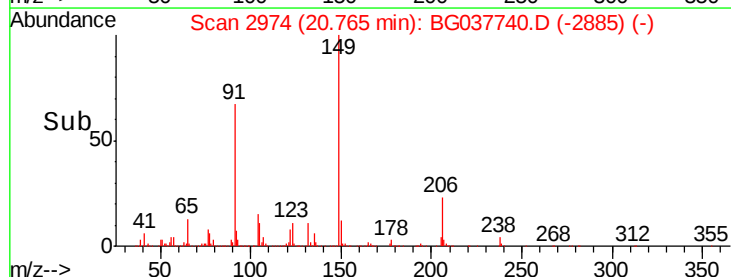


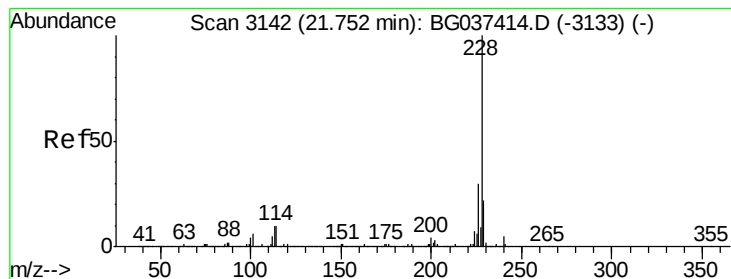
Abundance

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: 54.742 ng

RT: 21.75 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

Instrument :

BNA\_G

ClientSampleId :

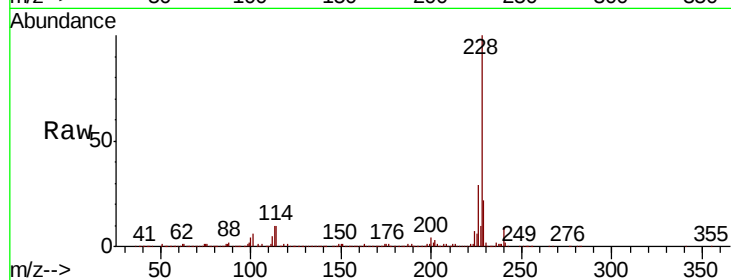
Tot Ion:228 Resp: 1145325

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.2  | 22.6  | 33.8  |
| 229 | 21.9  | 16.3  | 24.5  |

228 100

226 29.2 22.6 33.8

229 21.9 16.3 24.5

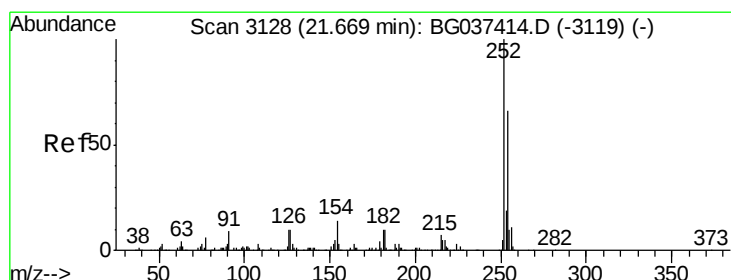
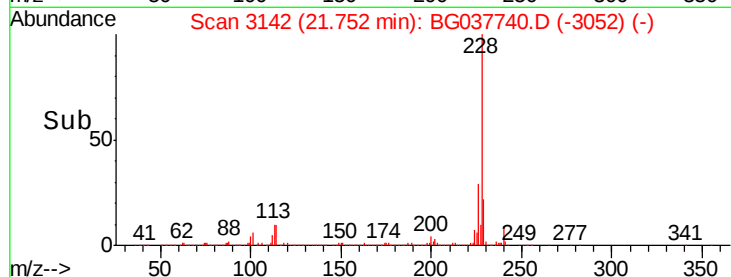
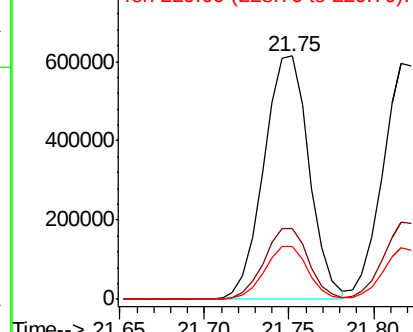


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 23.746 ng

RT: 21.66 min Scan# 3127

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

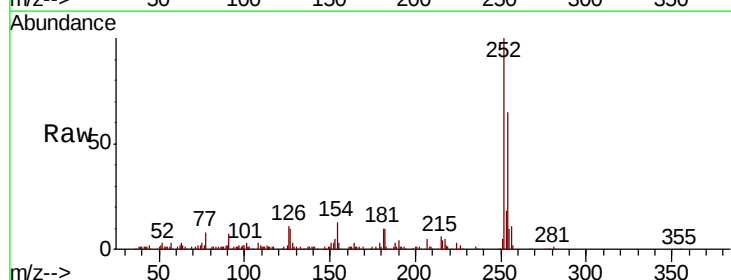
Tgt Ion:252 Resp: 192571

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 65.0  | 52.0  | 78.0  |
| 126 | 10.9  | 8.2   | 12.4  |

252 100

254 65.0 52.0 78.0

126 10.9 8.2 12.4

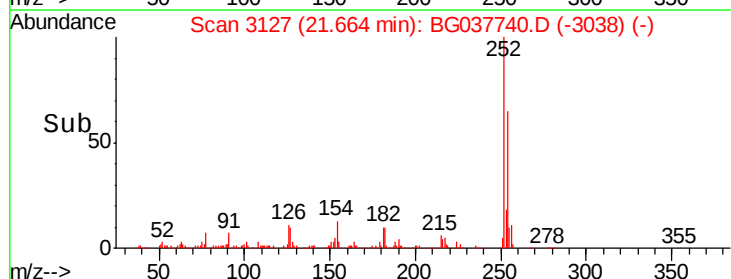
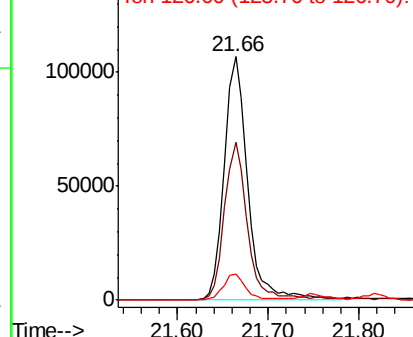


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

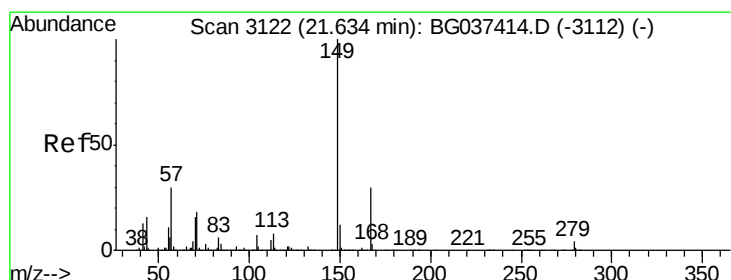
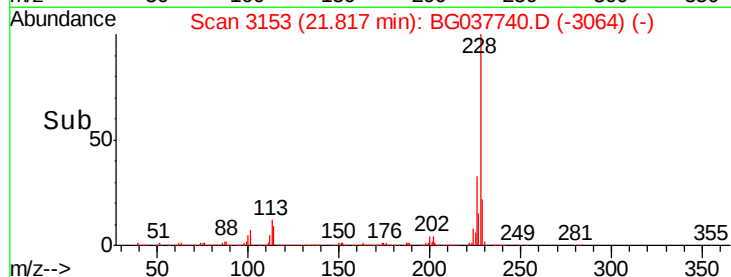
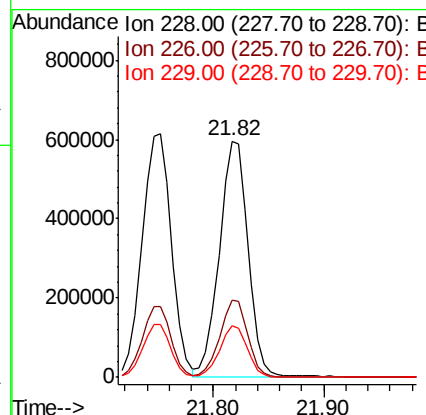
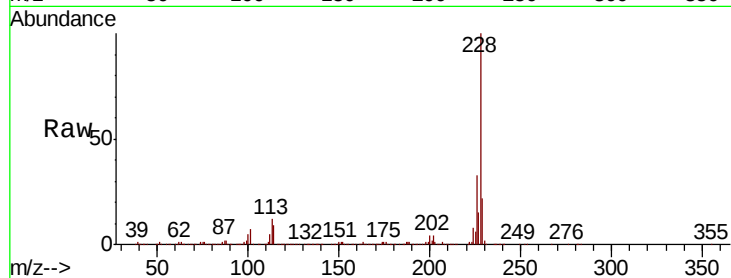




#83  
 Chrysene  
 Concen: 53.196 ng  
 RT: 21.82 min Scan# 3153  
 Delta R.T. -0.01 min  
 Lab File: BG037740.D  
 Acq: 2 Nov 2018 4:58

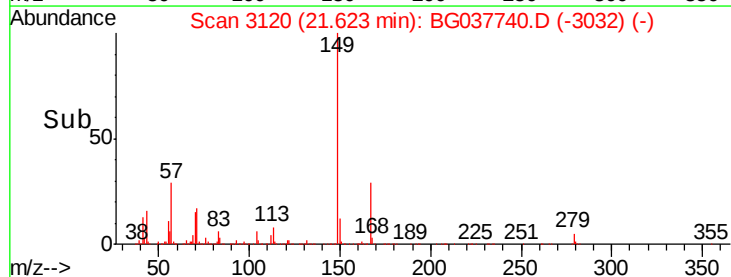
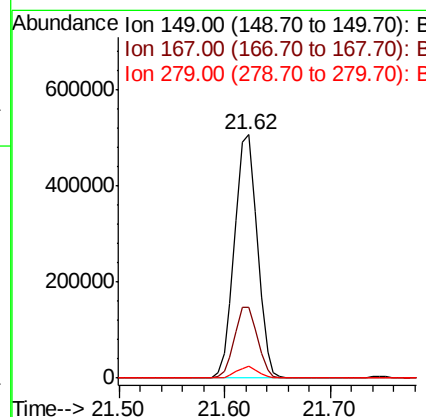
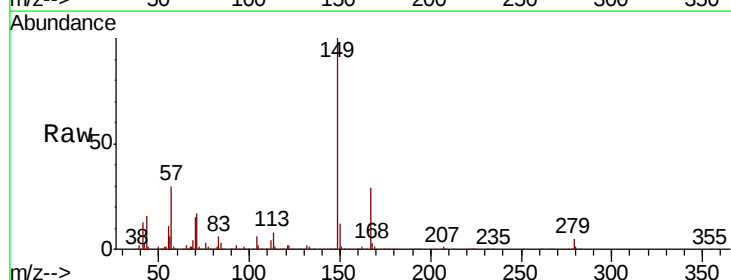
Instrument :  
 BNA\_G  
 ClientSampleId :

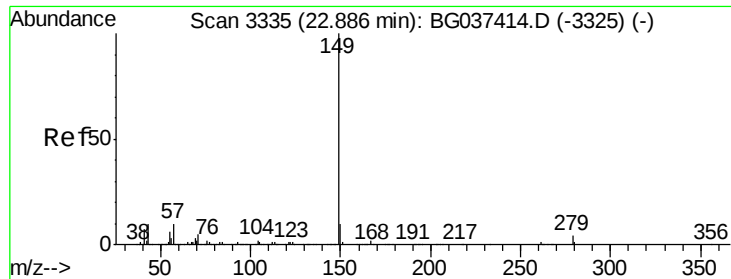
Tot Ion:228 Resp: 1070214  
 Ion Ratio Lower Upper  
 228 100  
 226 32.7 25.7 38.5  
 229 22.1 16.5 24.7



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 56.786 ng  
 RT: 21.62 min Scan# 3120  
 Delta R.T. -0.01 min  
 Lab File: BG037740.D  
 Acq: 2 Nov 2018 4:58

Tgt Ion:149 Resp: 753272  
 Ion Ratio Lower Upper  
 149 100  
 167 29.0 23.0 34.4  
 279 4.8 3.6 5.4

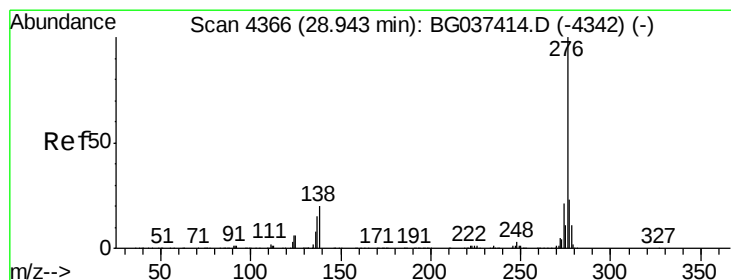
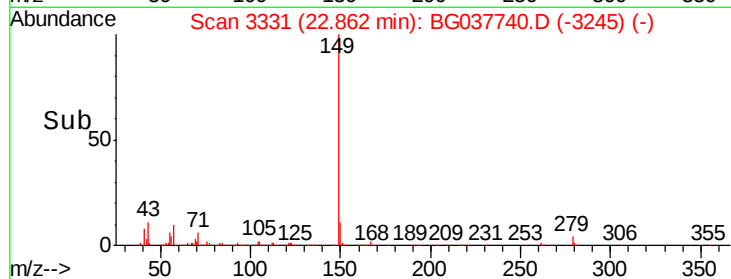
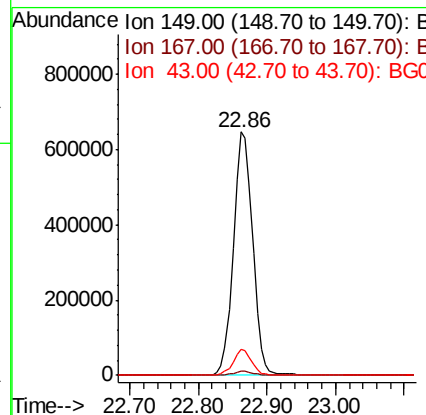
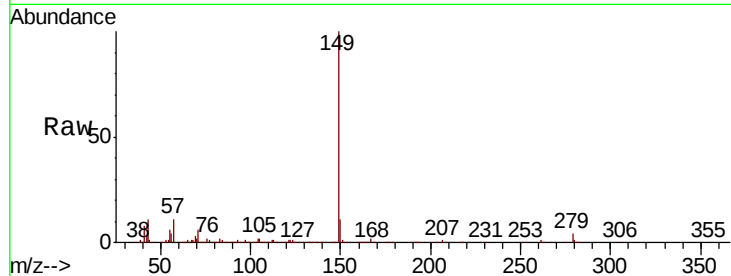




#85  
Di-n-octyl phthalate  
Concen: 58.001 ng  
RT: 22.86 min Scan# 3331  
Delta R.T. -0.02 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

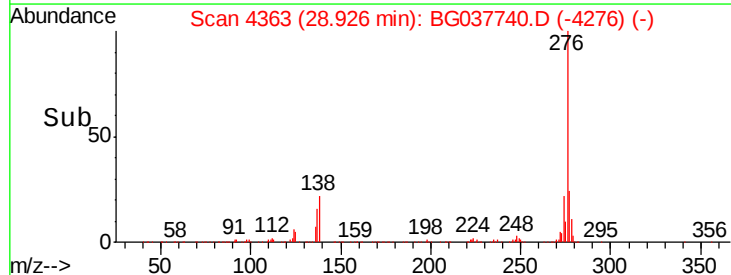
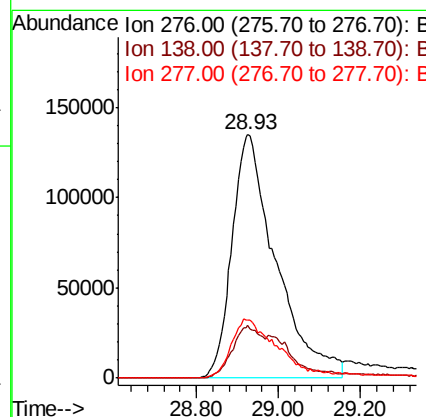
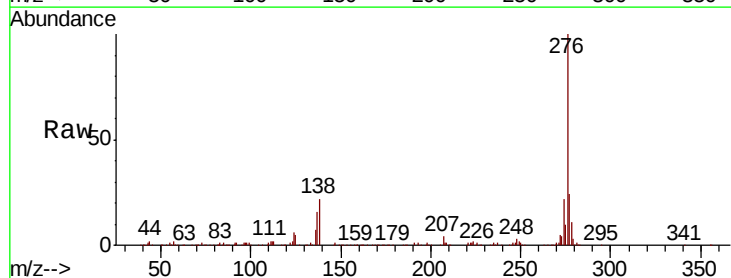
Instrument :  
BNA\_G  
ClientSampleId :

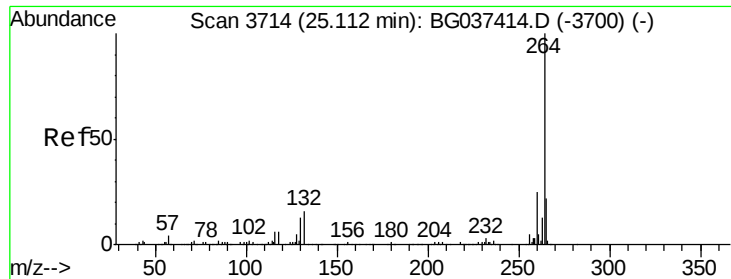
Tot Ion:149 Resp: 1254607  
Ion Ratio Lower Upper  
149 100  
167 1.7 1.3 1.9  
43 10.1 8.7 13.1



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 46.681 ng  
RT: 28.93 min Scan# 4363  
Delta R.T. -0.02 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

Tgt Ion:276 Resp: 1007286  
Ion Ratio Lower Upper  
276 100  
138 14.1 12.0 18.0  
277 25.5 20.6 30.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.11 min Scan# 3713

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

Instrument :

BNA\_G

ClientSampled :

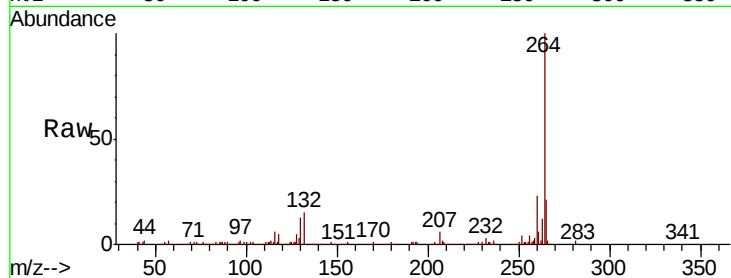
Tot Ion:264 Resp: 357665

Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.4

265 21.2 17.9 26.9

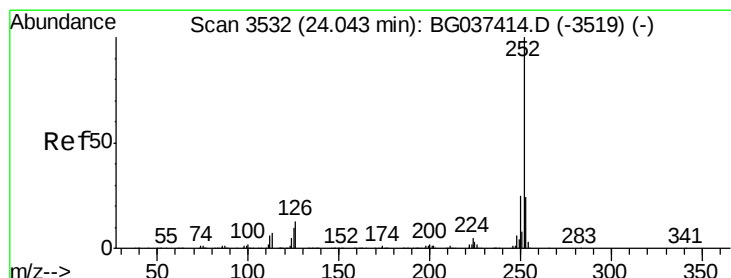
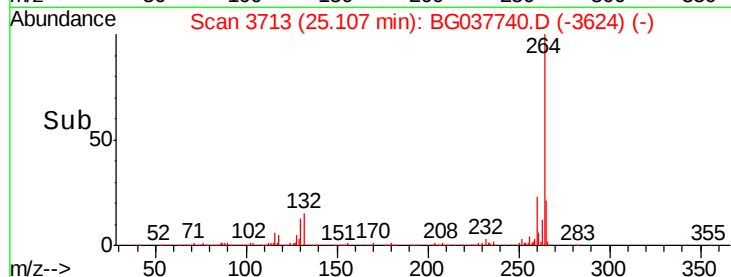
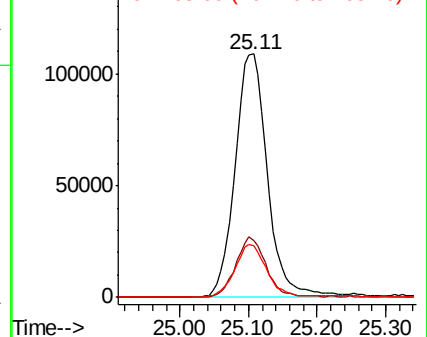


Abundance

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: 56.120 ng

RT: 24.04 min Scan# 3531

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

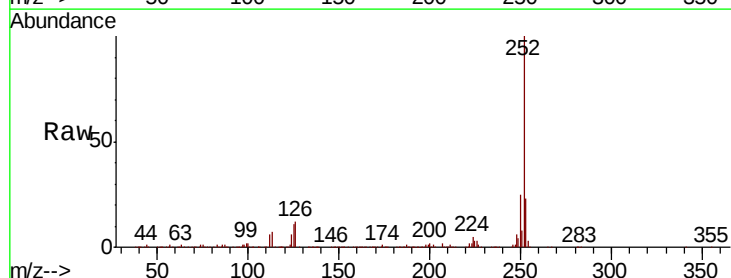
Tgt Ion:252 Resp: 1100428

Ion Ratio Lower Upper

252 100

253 23.4 18.2 27.2

125 10.8 7.8 11.6

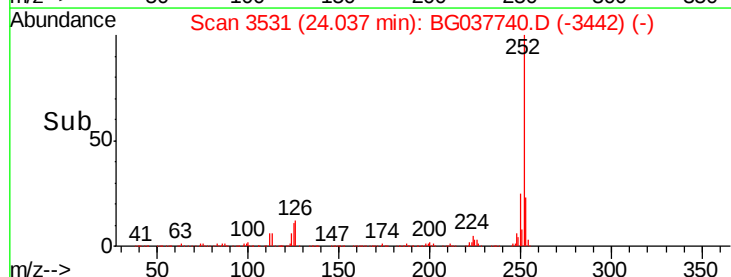
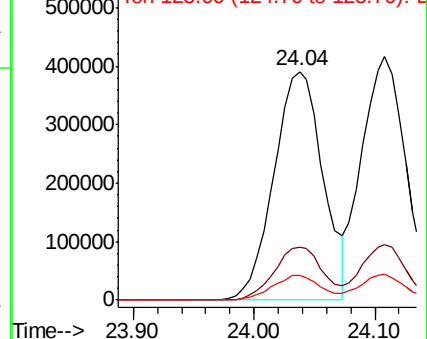


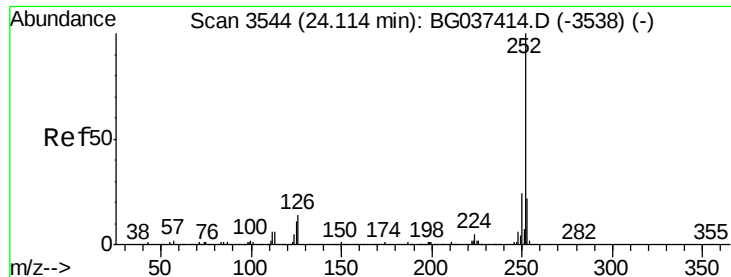
Abundance

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

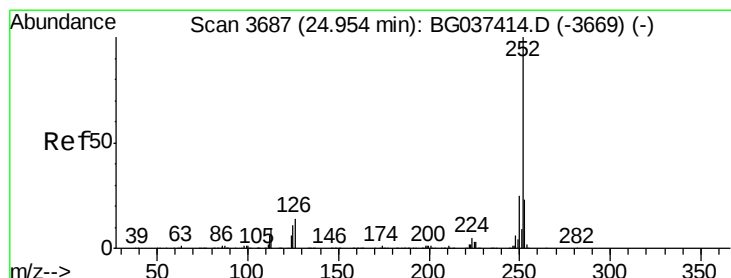
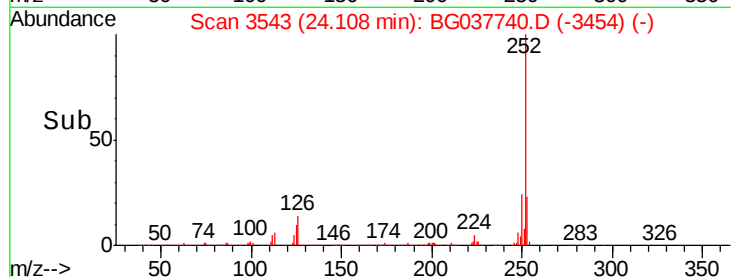
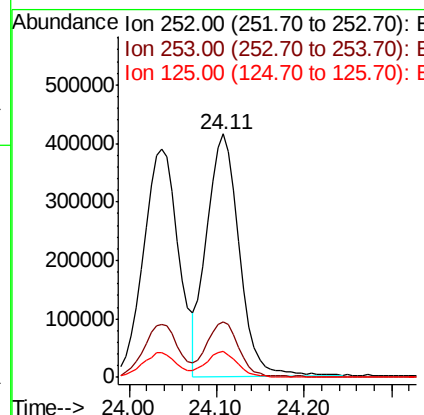
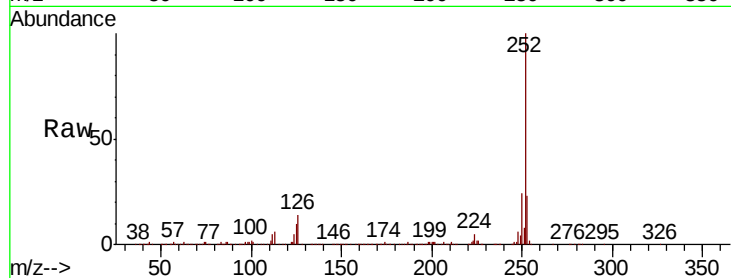




#89  
Benzo(k)fluoranthene  
Concen: 55.853 ng  
RT: 24.11 min Scan# 3543  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

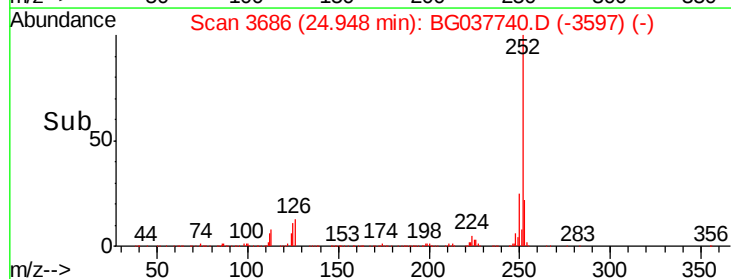
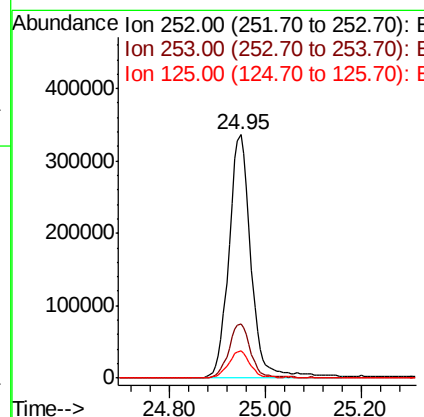
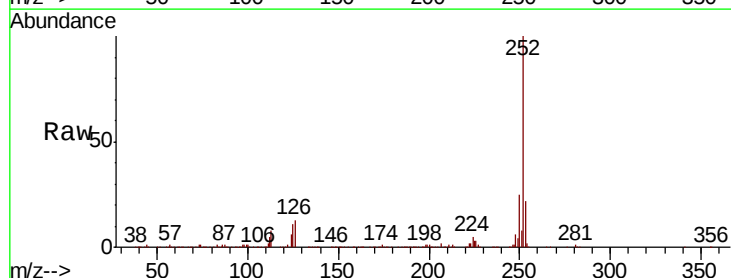
Instrument :  
BNA\_G  
ClientSampleId :

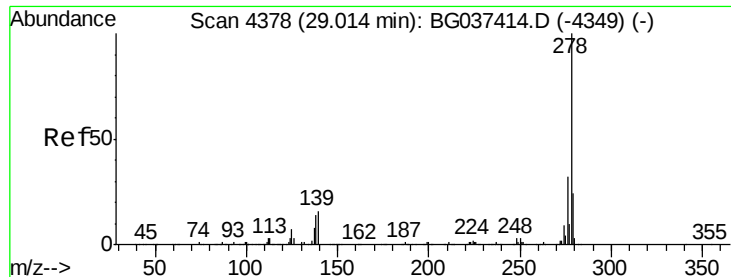
Tot Ion:252 Resp: 1072992  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.4 26.2  
125 10.4 7.4 11.0



#90  
Benzo(a)pyrene  
Concen: 57.624 ng  
RT: 24.95 min Scan# 3686  
Delta R.T. -0.01 min  
Lab File: BG037740.D  
Acq: 2 Nov 2018 4:58

Tgt Ion:252 Resp: 1073695  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.4 26.2  
125 11.3 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 45.683 ng

RT: 29.00 min Scan# 4376

Delta R.T. -0.01 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

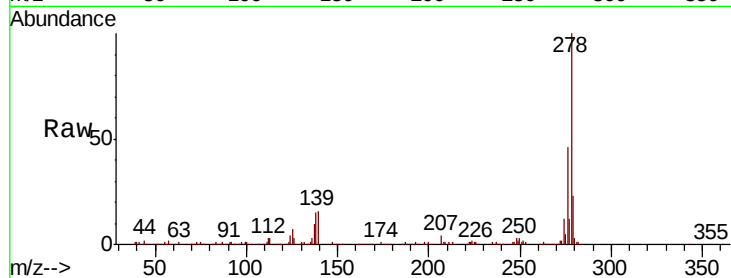
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:278 Resp: 785158

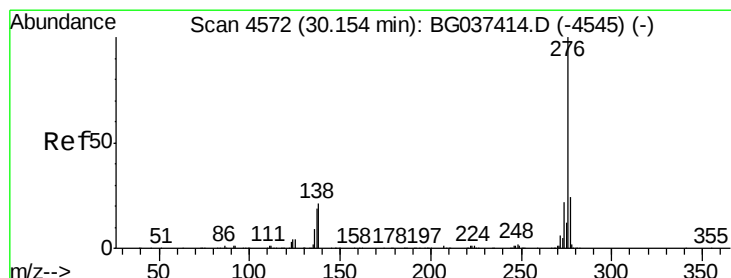
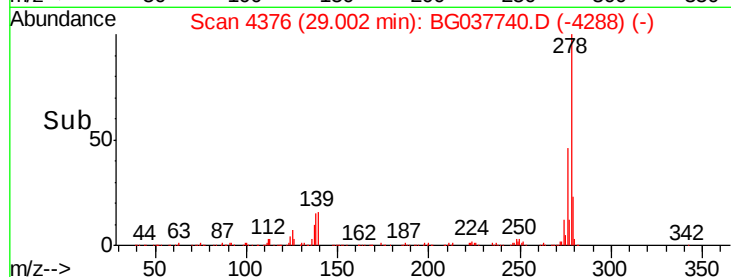
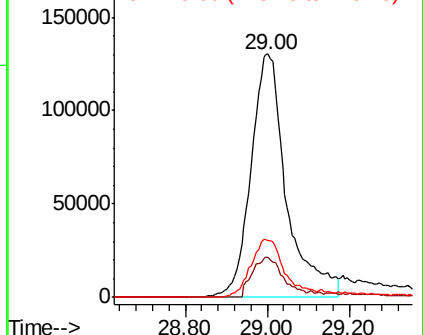
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 16.2  | 11.5  | 17.3  |
| 279 | 23.3  | 18.6  | 27.8  |



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 47.639 ng

RT: 30.13 min Scan# 4568

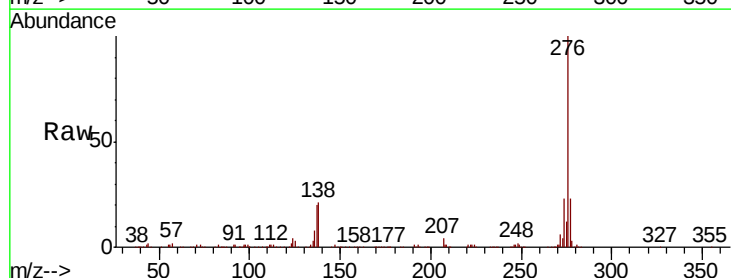
Delta R.T. -0.02 min

Lab File: BG037740.D

Acq: 2 Nov 2018 4:58

Tgt Ion:276 Resp: 828369

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 22.6  | 18.9  | 28.3  |
| 138 | 20.9  | 17.2  | 25.8  |



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

