

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG120318\  
 Data File : BG038305.D  
 Acq On : 3 Dec 2018 18:22  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Dec 04 05:02:40 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG111318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 13 16:39:28 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.08  | 152  | 24968    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.90 | 136  | 102036   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.71 | 164  | 65208    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.46 | 188  | 192523   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.75 | 240  | 216694   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 25.06 | 264  | 228088   | 20.00 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.62  | 112  | 115789   | 80.07 | ng    | -0.02    |
| 7) Phenol-d6                | 7.23  | 99   | 154450   | 74.82 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.25  | 82   | 155950   | 81.81 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.20 | 330  | 73399    | 98.70 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.33 | 172  | 342407   | 76.50 | ng    | -0.02    |
| 79) Terphenyl-d14           | 20.06 | 244  | 746355   | 81.04 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 3.51  | 88   | 23456    | 34.340 | ng    | 87     |
| 3) Pyridine                    | 3.91  | 79   | 71111    | 36.496 | ng    | 94     |
| 4) n-Nitrosodimethylamine      | 3.84  | 42   | 31608    | 44.714 | ng    | 92     |
| 6) Aniline                     | 7.40  | 93   | 98200    | 36.859 | ng    | 98     |
| 8) 2-Chlorophenol              | 7.64  | 128  | 65521    | 39.048 | ng    | 96     |
| 9) Benzaldehyde                | 7.22  | 77   | 47882    | 32.075 | ng    | 98     |
| 10) Phenol                     | 7.25  | 94   | 81371    | 37.216 | ng    | 91     |
| 11) bis(2-Chloroethyl)ether    | 7.50  | 93   | 66715    | 37.375 | ng    | 99     |
| 12) 1,3-Dichlorobenzene        | 7.97  | 146  | 75307    | 38.958 | ng    | 98     |
| 13) 1,4-Dichlorobenzene        | 8.11  | 146  | 77195    | 39.533 | ng    | 98     |
| 14) 1,2-Dichlorobenzene        | 8.43  | 146  | 72290    | 38.776 | ng    | 99     |
| 15) Benzyl Alcohol             | 8.31  | 79   | 59175    | 39.617 | ng    | 90     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.59  | 45   | 144890   | 43.713 | ng    | 96     |
| 17) 2-Methylphenol             | 8.51  | 107  | 55564    | 37.588 | ng    | 97     |
| 18) Hexachloroethane           | 9.16  | 117  | 29413    | 41.388 | ng    | 90     |
| 19) n-Nitroso-di-n-propylamine | 8.88  | 70   | 54142    | 36.248 | ng    | 96     |
| 20) 3+4-Methylphenols          | 8.84  | 107  | 78257    | 37.344 | ng    | 96     |
| 22) Acetophenone               | 8.91  | 105  | 97897    | 38.562 | ng    | # 93   |
| 24) Nitrobenzene               | 9.30  | 77   | 79582    | 40.813 | ng    | 96     |
| 25) Isophorone                 | 9.81  | 82   | 129243   | 37.671 | ng    | 99     |
| 26) 2-Nitrophenol              | 10.01 | 139  | 37183    | 38.197 | ng    | 90     |
| 27) 2,4-Dimethylphenol         | 10.05 | 122  | 56952    | 38.831 | ng    | 97     |
| 28) bis(2-Chloroethoxy)methane | 10.29 | 93   | 82204    | 37.470 | ng    | 97     |
| 29) 2,4-Dichlorophenol         | 10.53 | 162  | 63654    | 38.585 | ng    | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.75 | 180  | 73266    | 39.632 | ng    | 95     |
| 31) Naphthalene                | 10.95 | 128  | 197718   | 39.397 | ng    | 99     |
| 32) Benzoic acid               | 10.18 | 122  | 30026    | 35.958 | ng    | 97     |
| 33) 4-Chloroaniline            | 11.06 | 127  | 87099    | 37.310 | ng    | 96     |
| 34) Hexachlorobutadiene        | 11.21 | 225  | 46739    | 41.080 | ng    | 95     |
| 35) Caprolactam                | 11.84 | 113  | 29271    | 44.328 | ng    | 97     |
| 36) 4-Chloro-3-methylphenol    | 12.17 | 107  | 71761    | 39.816 | ng    | 96     |
| 37) 2-Methylnaphthalene        | 12.54 | 142  | 136537   | 37.875 | ng    | 98     |
| 38) 1-Methylnaphthalene        | 12.76 | 142  | 133695   | 38.529 | ng    | 96     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.90 | 216  | 85369    | 39.179 | ng    | 98     |

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 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

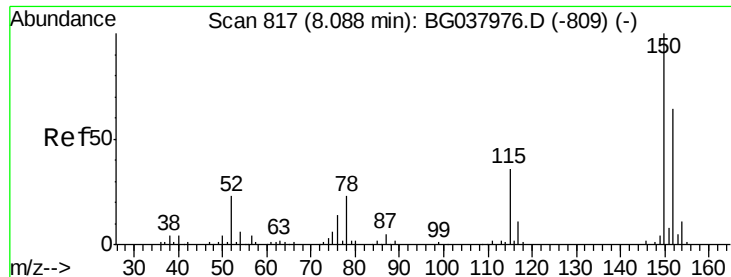
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Dec 04 05:02:40 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG111318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 13 16:39:28 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.87 | 237  | 46629    | 39.964 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol      | 13.15 | 196  | 56436    | 38.009 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 13.22 | 196  | 60649    | 38.820 | ng    | 94       |
| 46) 1,1'-Biphenyl              | 13.55 | 154  | 207942   | 37.958 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.60 | 162  | 157625   | 37.706 | ng    | 99       |
| 48) 2-Nitroaniline             | 13.81 | 65   | 58743    | 44.649 | ng    | 97       |
| 49) Acenaphthylene             | 14.44 | 152  | 245747   | 39.092 | ng    | 98       |
| 50) Dimethylphthalate          | 14.16 | 163  | 220912   | 42.734 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.29 | 165  | 51574    | 44.080 | ng    | 95       |
| 52) Acenaphthene               | 14.78 | 154  | 148913   | 39.348 | ng    | 97       |
| 53) 3-Nitroaniline             | 14.63 | 138  | 59621    | 46.180 | ng    | # 96     |
| 54) 2,4-Dinitrophenol          | 14.83 | 184  | 29772    | 50.961 | ng    | 91       |
| 55) Dibenzofuran               | 15.11 | 168  | 253147   | 40.453 | ng    | 99       |
| 56) 4-Nitrophenol              | 14.92 | 139  | 50740    | 50.958 | ng    | 83       |
| 57) 2,4-Dinitrotoluene         | 15.08 | 165  | 80457    | 50.542 | ng    | 98       |
| 58) Fluorene                   | 15.76 | 166  | 196474   | 42.080 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.33 | 232  | 59589    | 45.582 | ng    | 98       |
| 60) Diethylphthalate           | 15.52 | 149  | 251215   | 45.752 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.75 | 204  | 113380   | 41.500 | ng    | 99       |
| 62) 4-Nitroaniline             | 15.79 | 138  | 67922    | 52.959 | ng    | 91       |
| 63) Azobenzene                 | 16.04 | 77   | 219405   | 44.691 | ng    | 94       |
| 65) 4,6-Dinitro-2-methylphenol | 15.83 | 198  | 53181    | 43.673 | ng    | 91       |
| 66) n-Nitrosodiphenylamine     | 15.96 | 169  | 202746   | 34.810 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.64 | 248  | 77530    | 36.690 | ng    | 97       |
| 68) Hexachlorobenzene          | 16.76 | 284  | 85060    | 38.998 | ng    | 96       |
| 69) Atrazine                   | 16.90 | 200  | 90237    | 42.028 | ng    | 95       |
| 70) Pentachlorophenol          | 17.10 | 266  | 61397    | 41.446 | ng    | 95       |
| 71) Phenanthrene               | 17.50 | 178  | 391400   | 39.708 | ng    | 100      |
| 72) Anthracene                 | 17.60 | 178  | 394131   | 40.564 | ng    | 100      |
| 73) Carbazole                  | 17.87 | 167  | 434883   | 44.611 | ng    | 97       |
| 74) Di-n-butylphthalate        | 18.40 | 149  | 500956   | 45.779 | ng    | 99       |
| 75) Fluoranthene               | 19.51 | 202  | 532804   | 47.377 | ng    | 97       |
| 77) Benzidine                  | 19.69 | 184  | 271646   | 35.726 | ng    | 100      |
| 78) Pyrene                     | 19.88 | 202  | 543838   | 38.386 | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.75 | 149  | 246316   | 39.756 | ng    | 98       |
| 81) Benzo(a)anthracene         | 21.73 | 228  | 524952   | 40.088 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.64 | 252  | 200091   | 39.226 | ng    | 100      |
| 83) Chrysene                   | 21.80 | 228  | 492199   | 39.284 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 21.59 | 149  | 342985   | 38.818 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 22.83 | 149  | 569835   | 39.864 | ng    | 97       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.87 | 276  | 550324   | 39.548 | ng    | # 94     |
| 88) Benzo(b)fluoranthene       | 24.00 | 252  | 503581   | 40.120 | ng    | 100      |
| 89) Benzo(k)fluoranthene       | 24.07 | 252  | 494884   | 39.957 | ng    | 99       |
| 90) Benzo(a)pyrene             | 24.91 | 252  | 481817   | 40.167 | ng    | # 97     |
| 91) Dibenzo(a,h)anthracene     | 28.92 | 278  | 448665   | 38.873 | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 30.06 | 276  | 454695   | 39.621 | ng    | 98       |

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



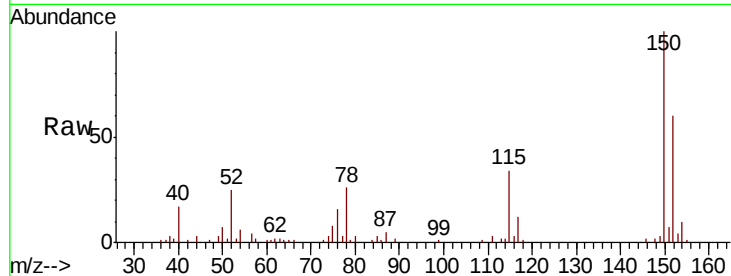


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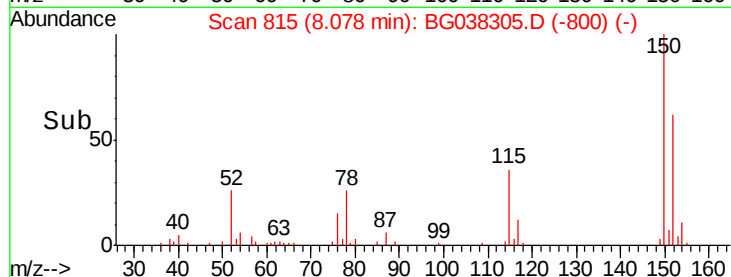
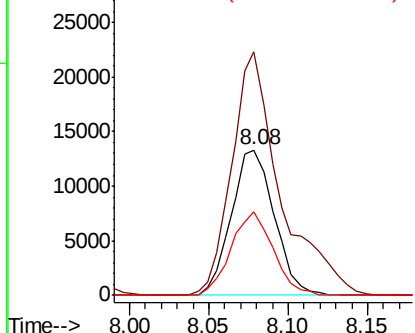
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.08 min Scan# 815  
 Delta R.T. -0.01 min  
 Lab File: BG038305.D  
 Acq: 3 Dec 2018 18:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 167.4 | 126.0 | 189.0 |
| 115     | 57.7  | 45.5  | 68.3  |



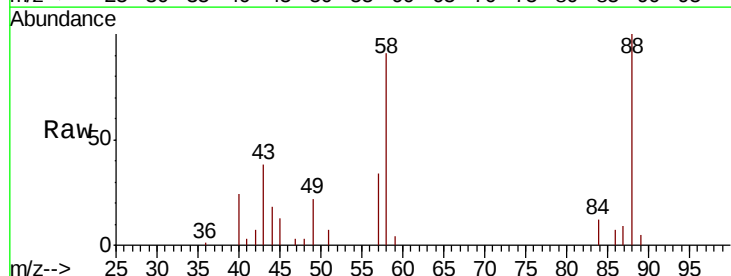
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



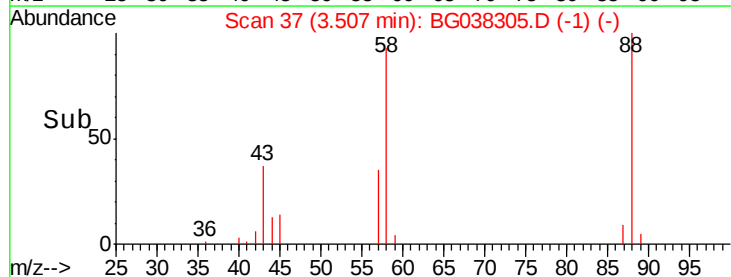
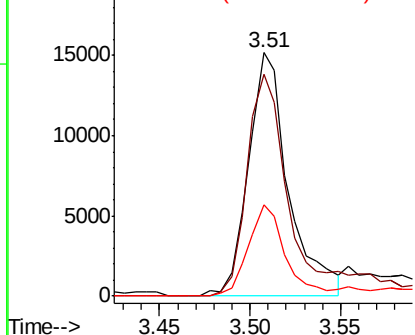
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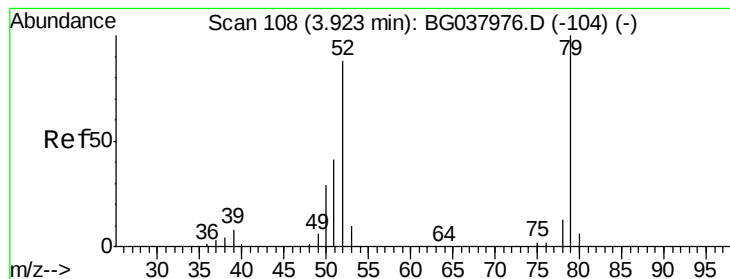
1,4-Dioxane  
 Concen: 34.340 ng  
 RT: 3.51 min Scan# 37  
 Delta R.T. -0.02 min  
 Lab File: BG038305.D  
 Acq: 3 Dec 2018 18:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 108.3 | 74.4  | 111.6 |
| 43      | 34.2  | 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

Pyridine

Concen: 36.496 ng

RT: 3.91 min Scan# 106

Delta R.T. -0.01 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

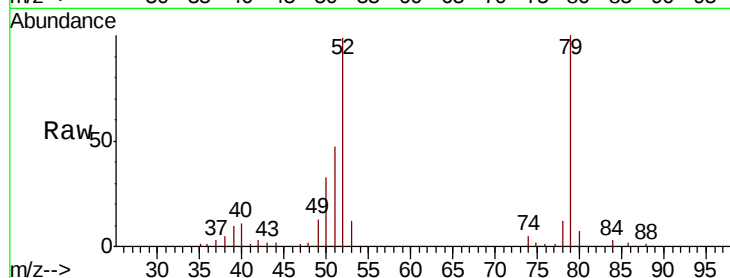
Tgt Ion: 79 Resp: 71111

Ion Ratio Lower Upper

79 100

52 99.3 74.2 111.2

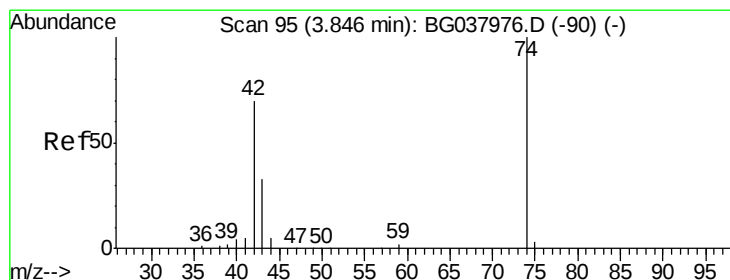
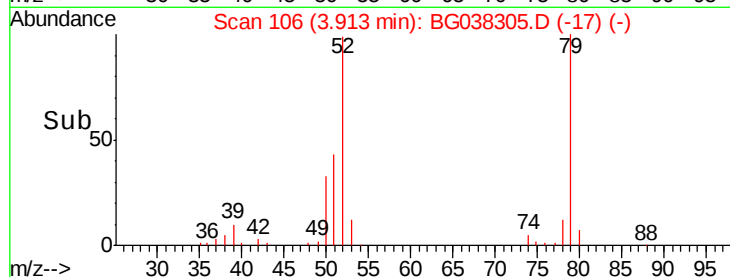
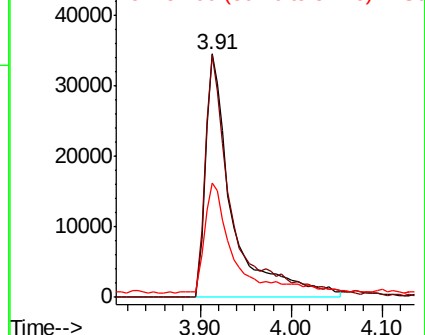
51 46.7 34.6 51.8



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: 44.714 ng

RT: 3.84 min Scan# 93

Delta R.T. -0.01 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

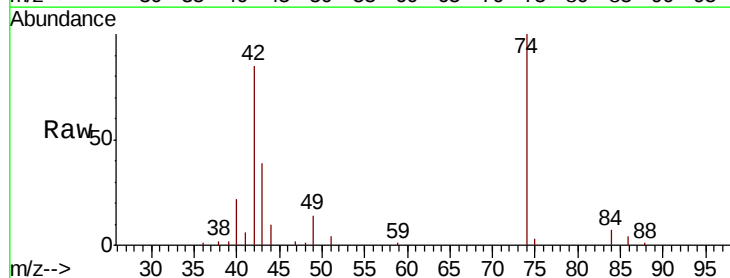
Tgt Ion: 42 Resp: 31608

Ion Ratio Lower Upper

42 100

74 118.1 102.0 153.0

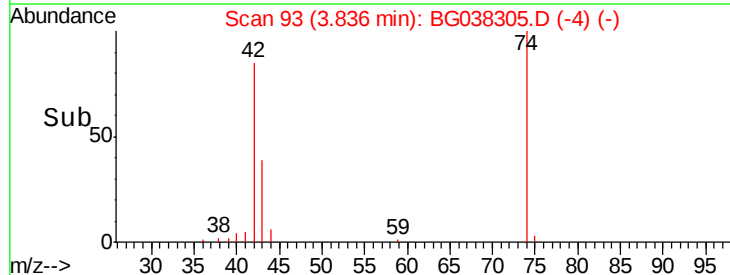
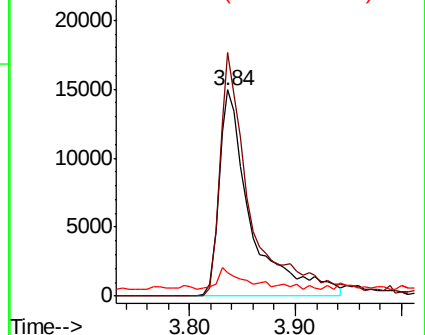
44 11.3 9.6 14.4

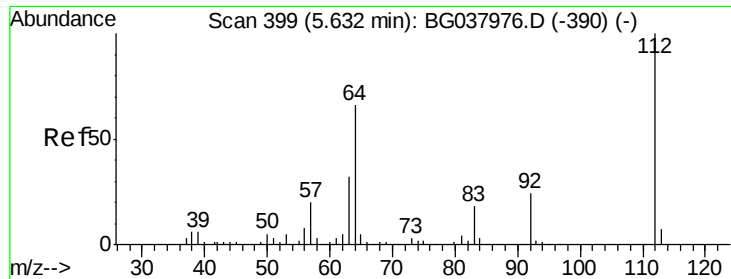


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 80.069 ng

RT: 5.62 min Scan# 396

Delta R.T. -0.02 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

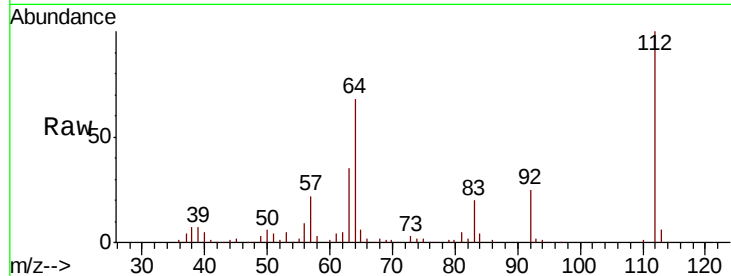
Tgt Ion: 112 Resp: 115789

Ion Ratio Lower Upper

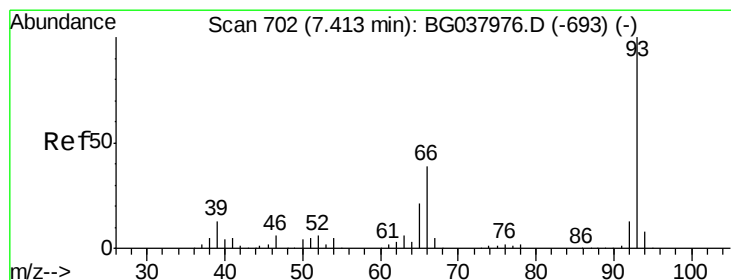
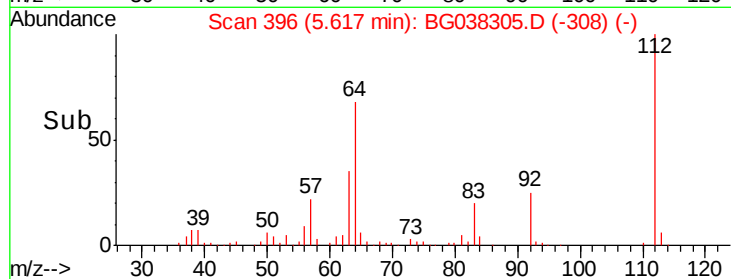
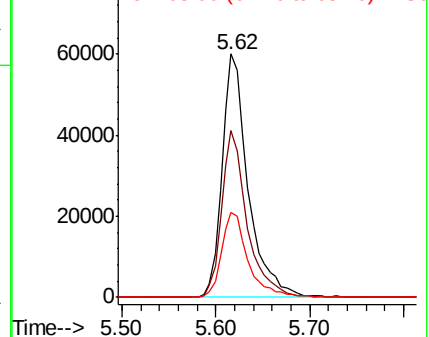
112 100

64 68.5 53.1 79.7

63 34.8 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: 36.859 ng

RT: 7.40 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

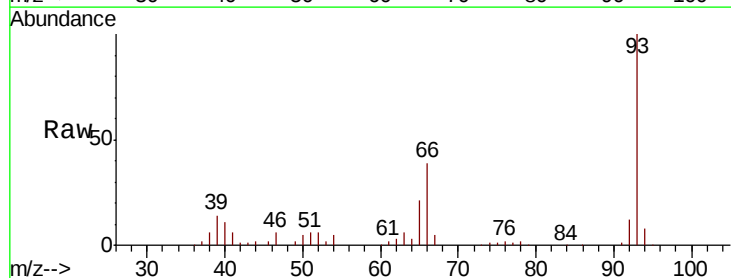
Tgt Ion: 93 Resp: 98200

Ion Ratio Lower Upper

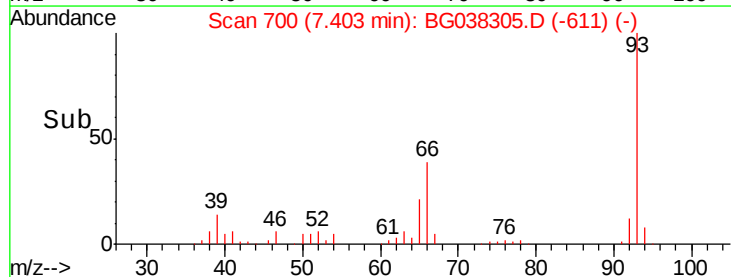
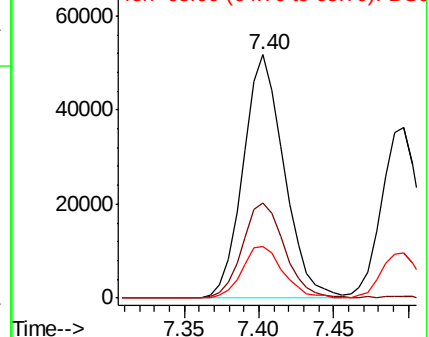
93 100

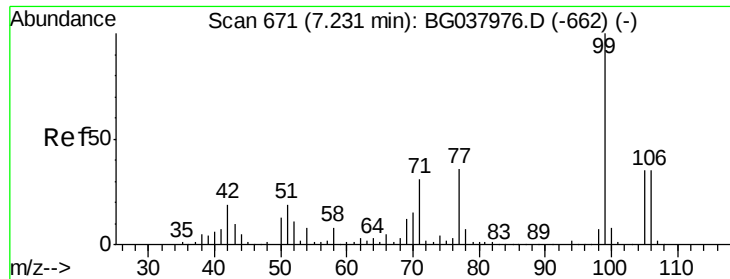
66 39.2 32.8 49.2

65 21.2 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: 74.822 ng

RT: 7.23 min Scan# 670

Delta R.T. -0.00 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

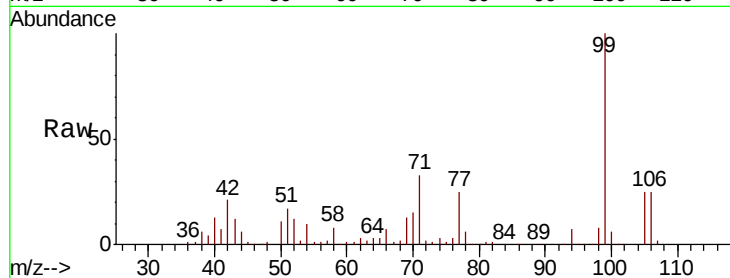
Tgt Ion: 99 Resp: 154450

Ion Ratio Lower Upper

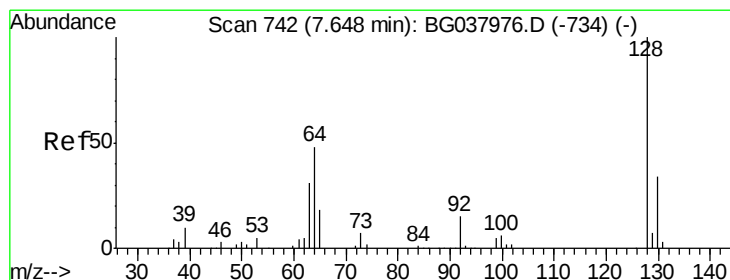
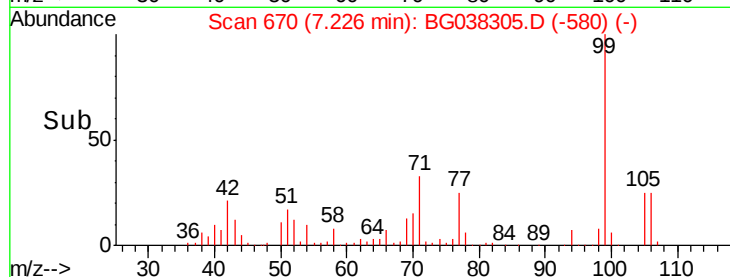
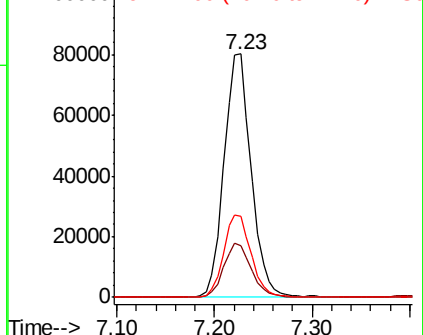
99 100

42 21.3 15.0 22.4

71 33.1 25.5 38.3



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



#8

2-Chlorophenol

Concen: 39.048 ng

RT: 7.64 min Scan# 740

Delta R.T. -0.01 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

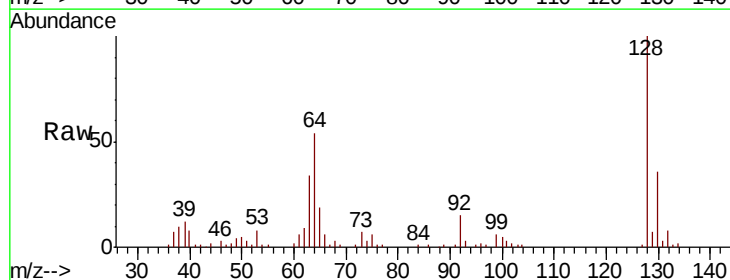
Tgt Ion: 128 Resp: 65521

Ion Ratio Lower Upper

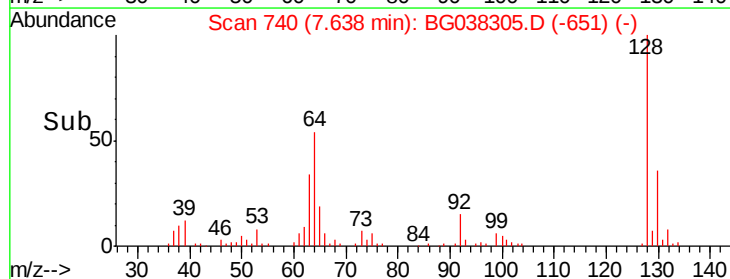
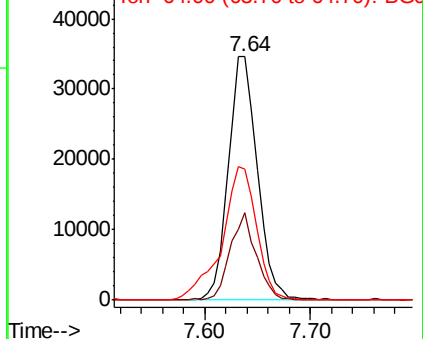
128 100

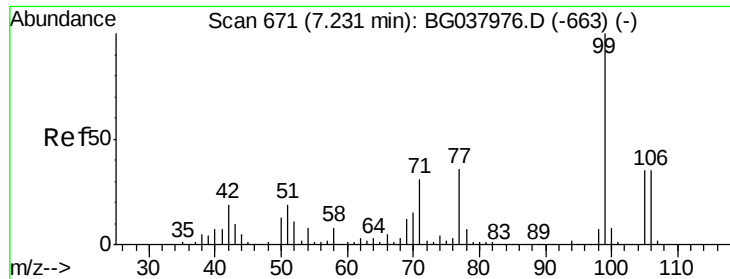
130 35.8 12.0 52.0

64 54.0 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





#9

Benzaldehyde

Concen: 32.075 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

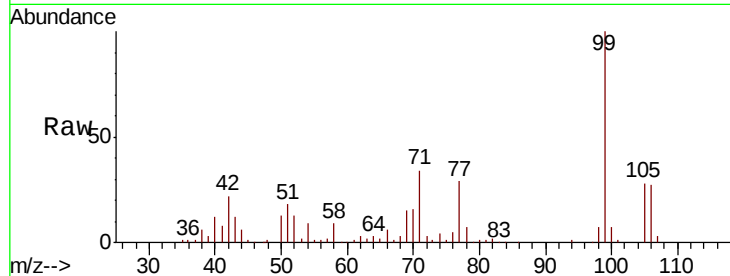
Tgt Ion: 77 Resp: 47882

Ion Ratio Lower Upper

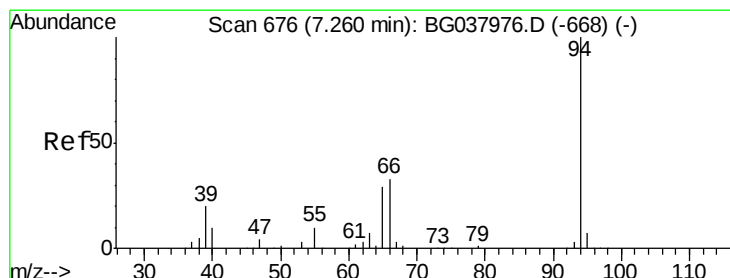
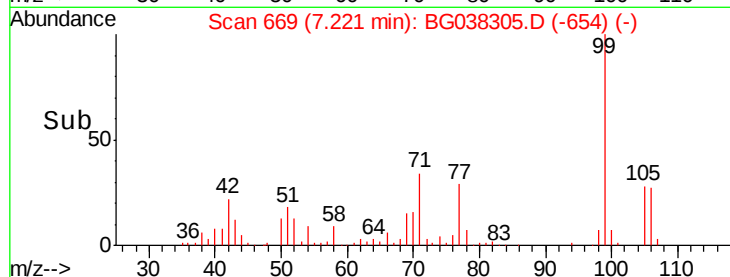
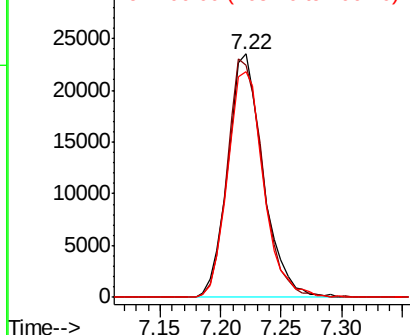
77 100

105 95.5 72.6 112.6

106 92.5 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: 37.216 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.01 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

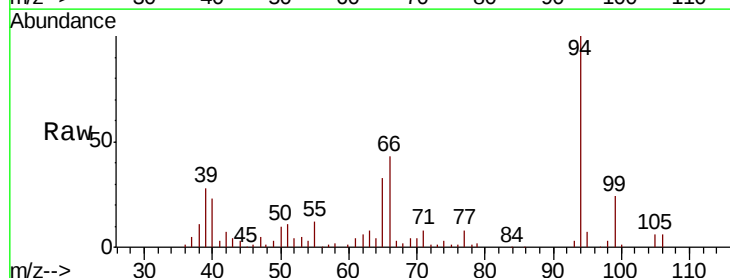
Tgt Ion: 94 Resp: 81371

Ion Ratio Lower Upper

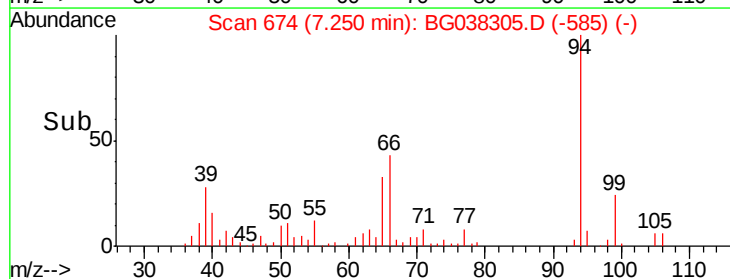
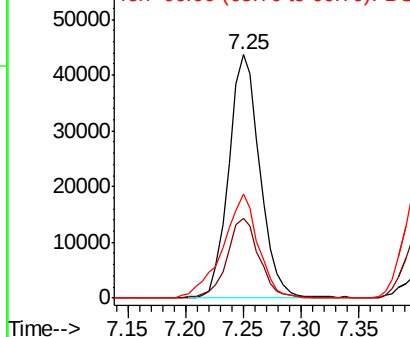
94 100

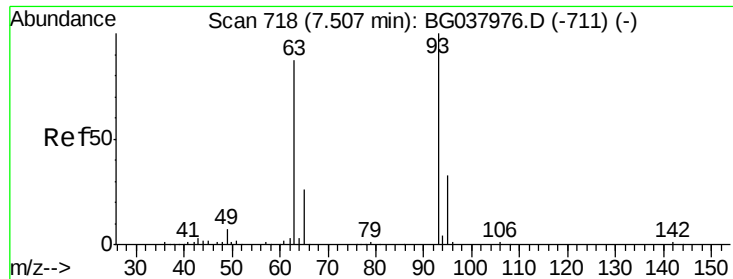
65 32.9 9.7 49.7

66 42.8 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

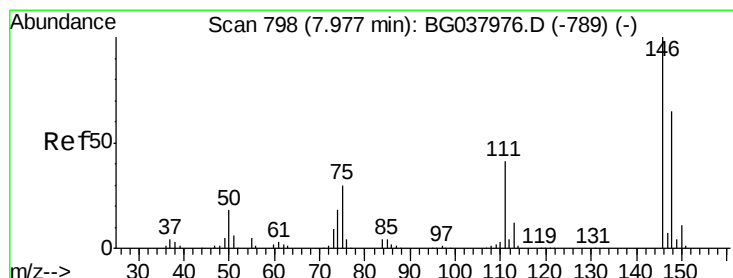
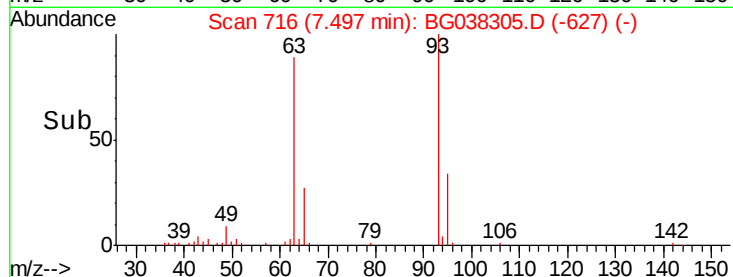
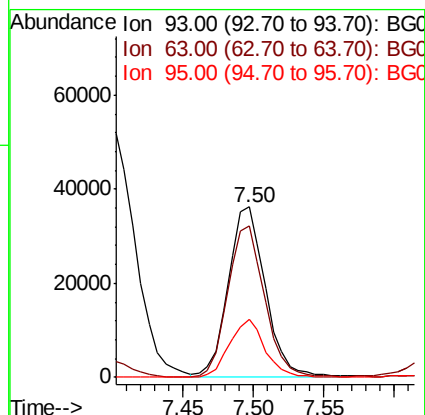
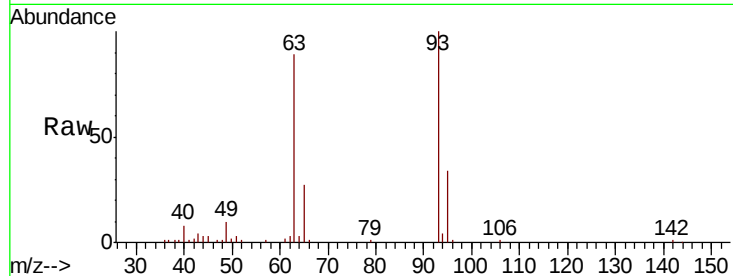




#11  
bis(2-Chloroethyl)ether  
Concen: 37.375 ng  
RT: 7.50 min Scan# 716  
Delta R.T. -0.01 min  
Lab File: BG038305.D  
Acq: 3 Dec 2018 18:22

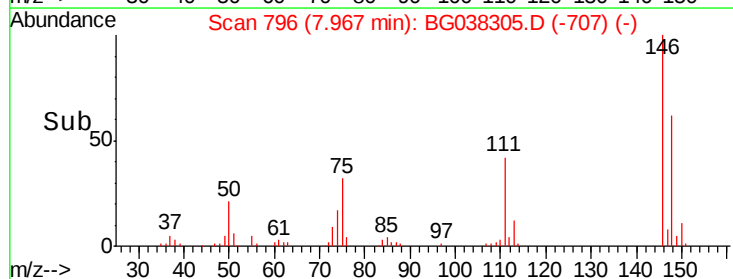
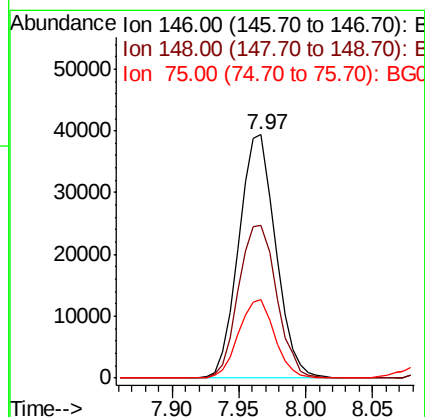
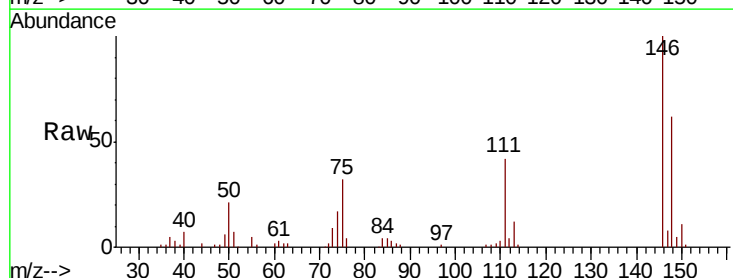
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

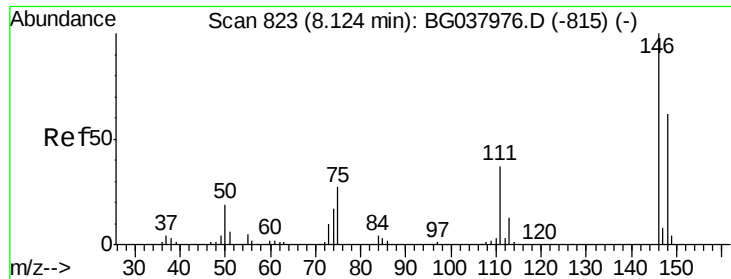
Tgt Ion: 93 Resp: 66715  
Ion Ratio Lower Upper  
93 100  
63 89.0 69.5 109.5  
95 34.3 12.6 52.6



#12  
1,3-Dichlorobenzene  
Concen: 38.958 ng  
RT: 7.97 min Scan# 796  
Delta R.T. -0.01 min  
Lab File: BG038305.D  
Acq: 3 Dec 2018 18:22

Tgt Ion: 146 Resp: 75307  
Ion Ratio Lower Upper  
146 100  
148 62.5 49.8 74.8  
75 32.4 23.2 34.8

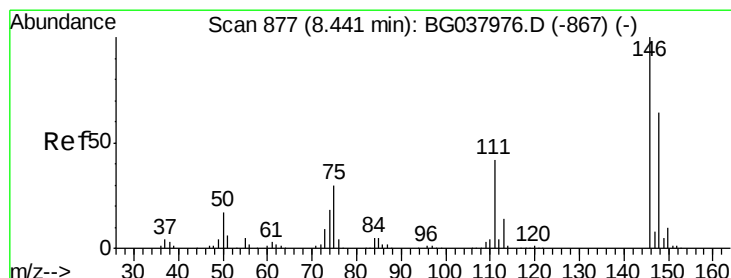
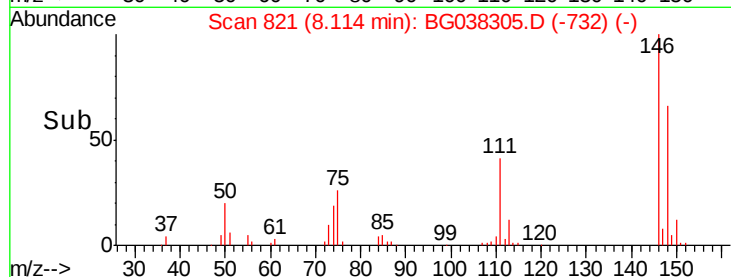
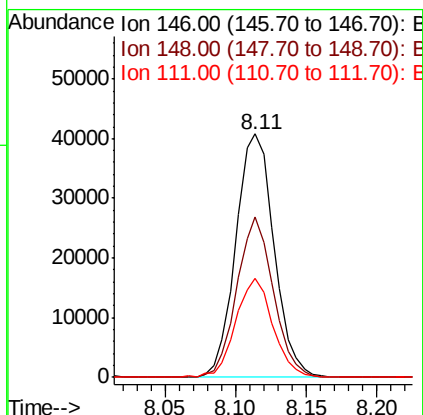
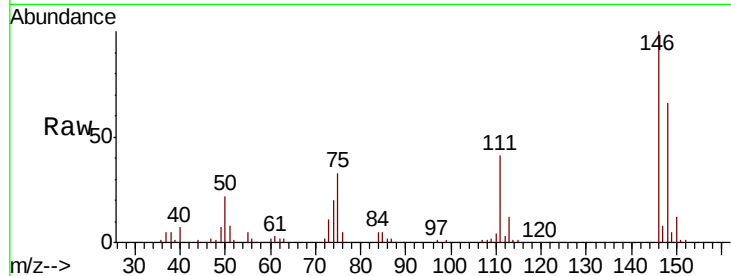




#13  
 1,4-Dichlorobenzene  
 Concen: 39.533 ng  
 RT: 8.11 min Scan# 821  
 Delta R.T. -0.01 min  
 Lab File: BG038305.D  
 Acq: 3 Dec 2018 18:22

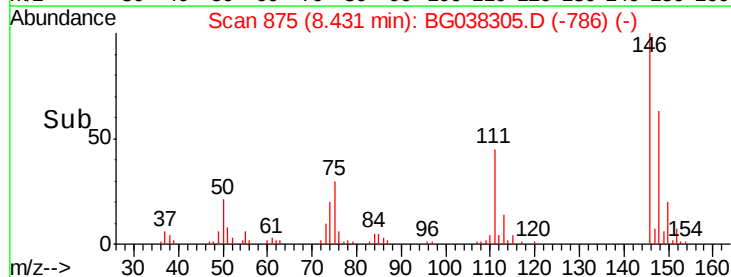
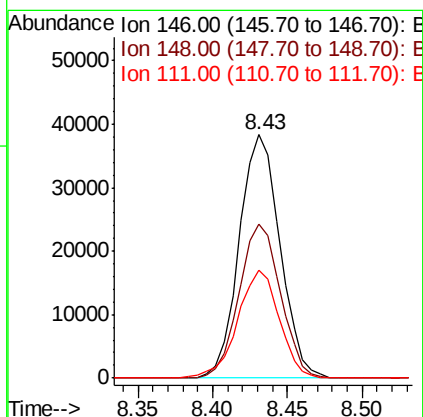
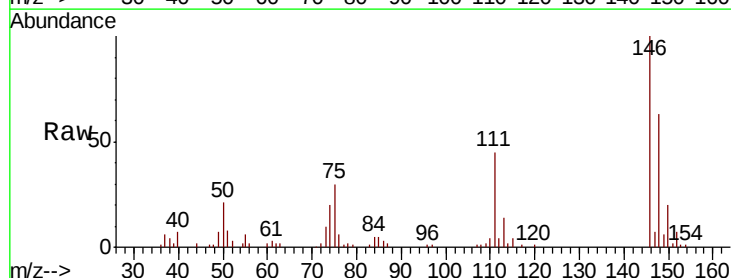
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Tgt Ion:146 Resp: 77195  
 Ion Ratio Lower Upper  
 146 100  
 148 66.1 51.0 76.6  
 111 40.8 32.4 48.6



#14  
 1,2-Dichlorobenzene  
 Concen: 38.776 ng  
 RT: 8.43 min Scan# 875  
 Delta R.T. -0.01 min  
 Lab File: BG038305.D  
 Acq: 3 Dec 2018 18:22

Tgt Ion:146 Resp: 72290  
 Ion Ratio Lower Upper  
 146 100  
 148 63.4 50.4 75.6  
 111 44.6 34.6 51.8





#15

Benzyl Alcohol

Concen: 39.617 ng

RT: 8.31 min Scan# 855

Delta R.T. -0.02 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

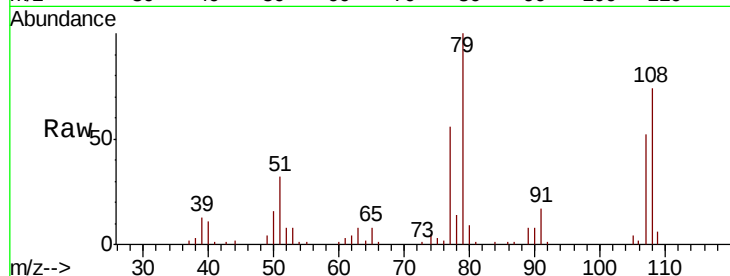
Tgt Ion: 79 Resp: 59175

Ion Ratio Lower Upper

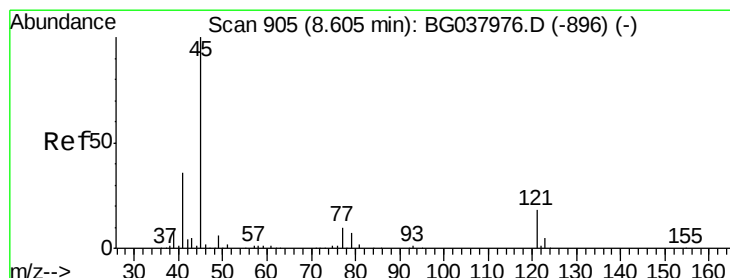
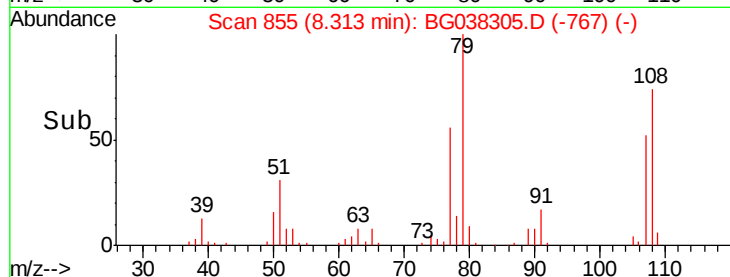
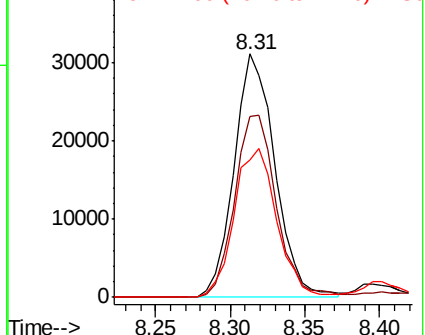
79 100

108 74.4 65.8 98.8

77 56.5 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: 43.713 ng

RT: 8.59 min Scan# 902

Delta R.T. -0.02 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

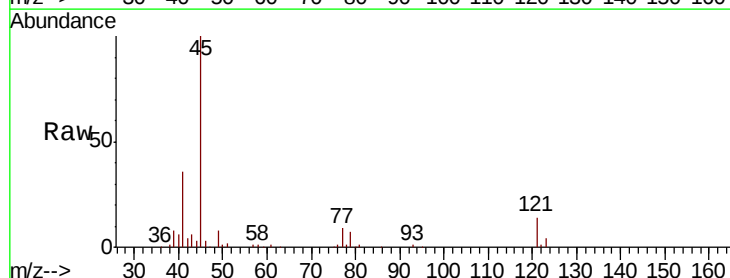
Tgt Ion: 45 Resp: 144890

Ion Ratio Lower Upper

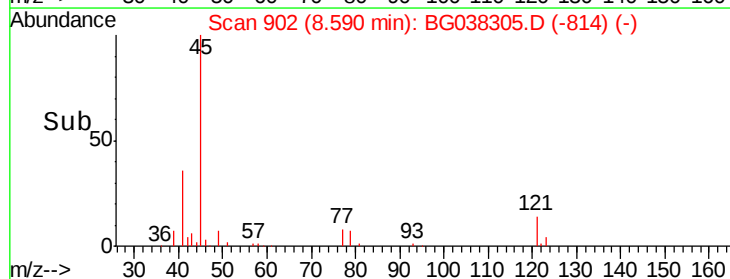
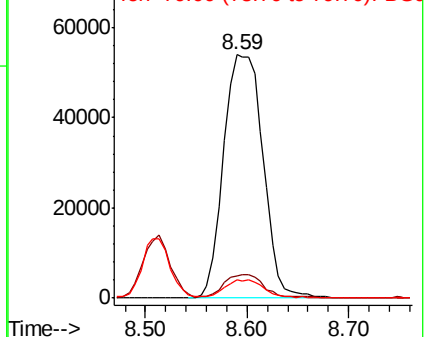
45 100

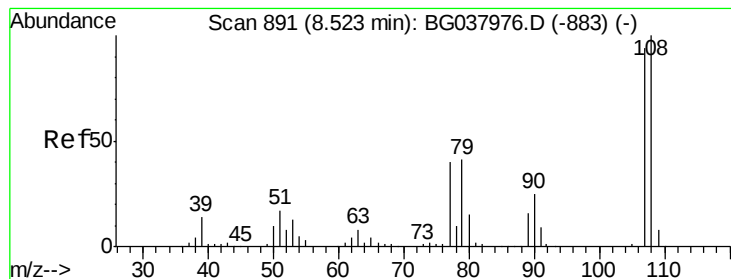
77 9.0 0.0 30.0

79 7.3 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: 37.588 ng

RT: 8.51 min Scan# 889

Delta R.T. -0.01 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

Tgt Ion:107 Resp: 55564

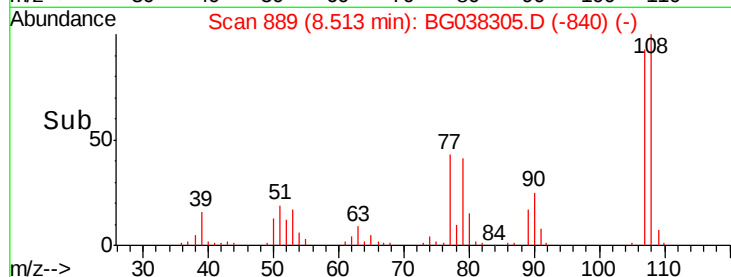
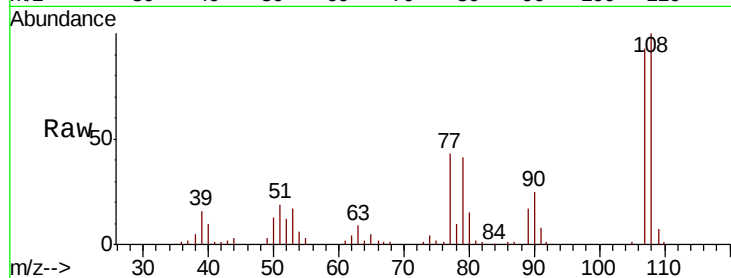
Ion Ratio Lower Upper

107 100

108 107.1 87.9 131.9

77 46.6 35.1 52.7

79 43.6 34.5 51.7

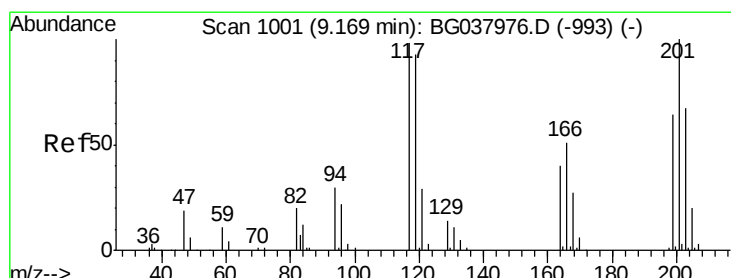
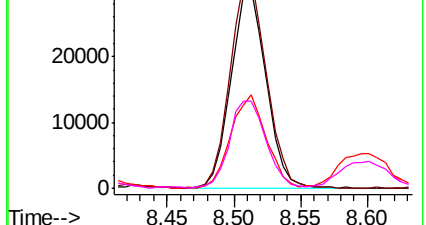


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#18

Hexachloroethane

Concen: 41.388 ng

RT: 9.16 min Scan# 999

Delta R.T. -0.01 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

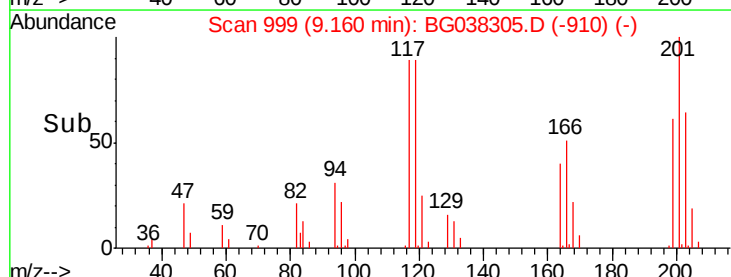
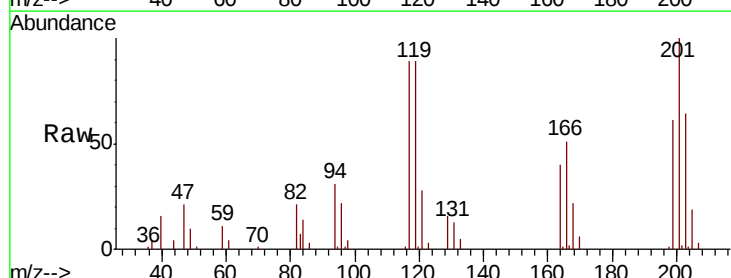
Tgt Ion:117 Resp: 29413

Ion Ratio Lower Upper

117 100

119 99.5 74.6 111.8

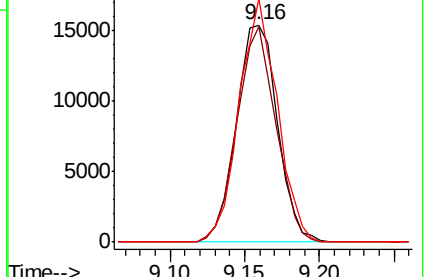
201 115.1 80.8 121.2

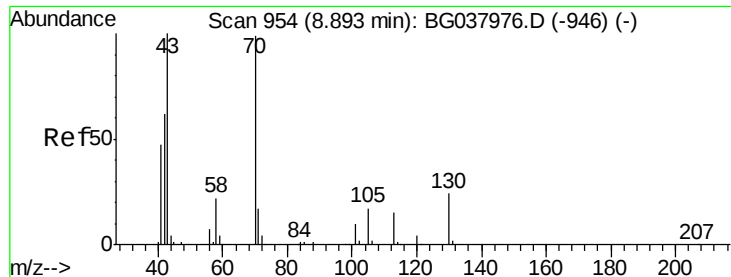


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

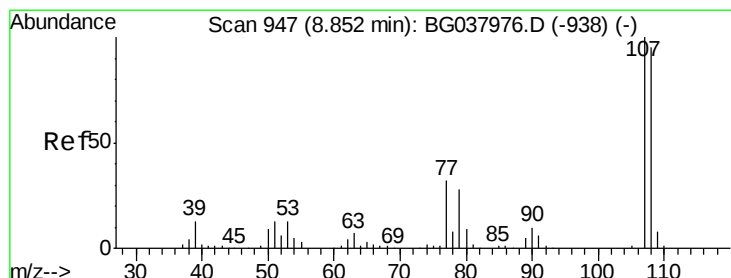
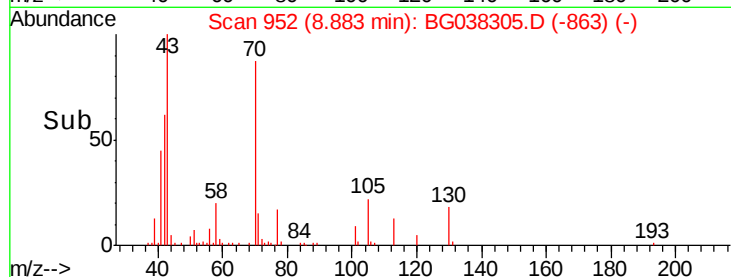
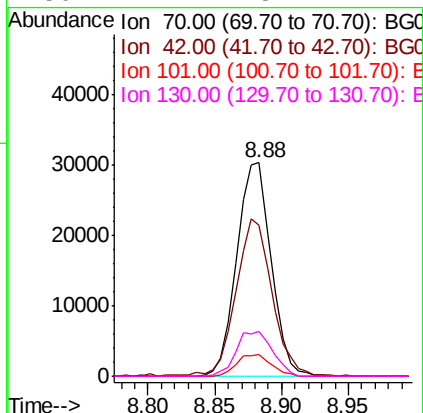
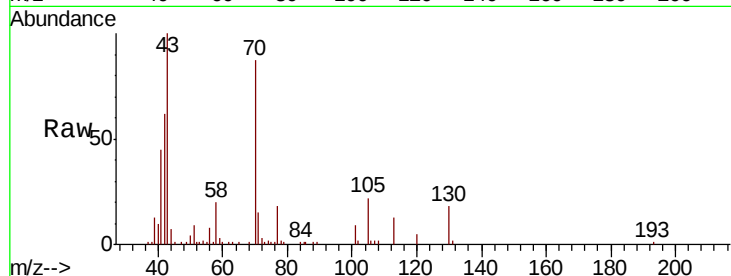




#19  
n-Nitroso-di-n-propylamine  
Concen: 36.248 ng  
RT: 8.88 min Scan# 952  
Delta R.T. -0.01 min  
Lab File: BG038305.D  
Acq: 3 Dec 2018 18:22

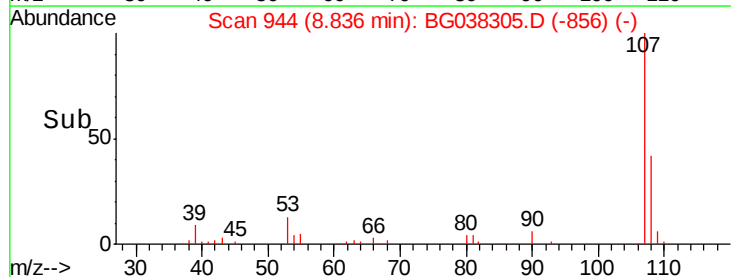
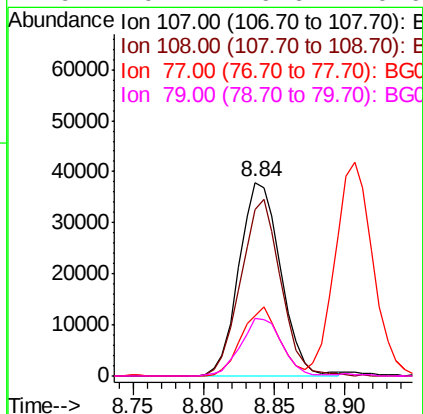
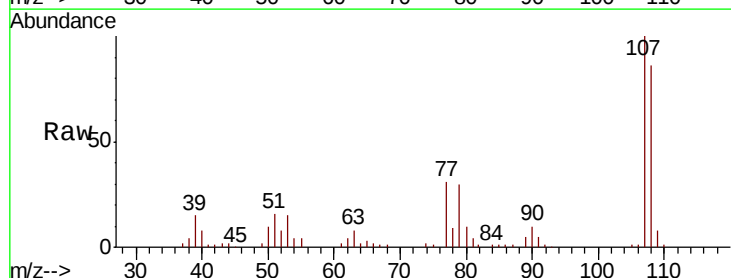
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

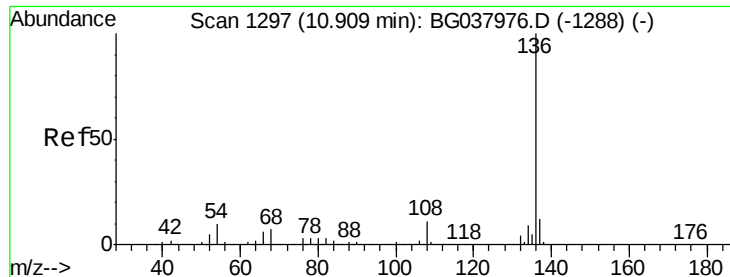
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 54142 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 70.8  | 53.9  | 80.9  |
| 101      | 10.4  | 8.2   | 12.2  |
| 130      | 21.1  | 18.2  | 27.4  |



#20  
3+4-Methylphenols  
Concen: 37.344 ng  
RT: 8.84 min Scan# 944  
Delta R.T. -0.02 min  
Lab File: BG038305.D  
Acq: 3 Dec 2018 18:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 78257 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 85.7  | 69.9  | 109.9 |
| 77       | 31.3  | 11.2  | 51.2  |
| 79       | 29.7  | 6.6   | 46.6  |

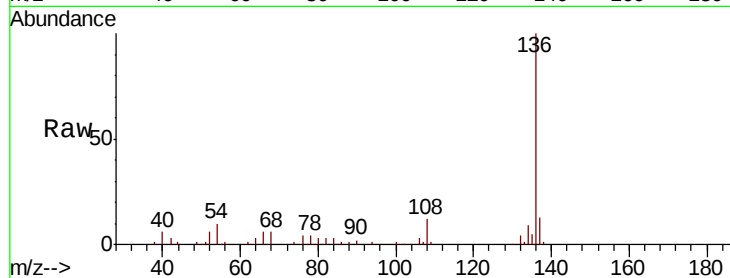




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.90 min Scan# 1295  
Delta R.T. -0.01 min  
Lab File: BG038305.D  
Acq: 3 Dec 2018 18:22

Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 102036 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 12.5  | 9.6   | 14.4   |
| 54       | 10.4  | 7.9   | 11.9   |
| 68       | 5.7   | 4.8   | 7.2    |



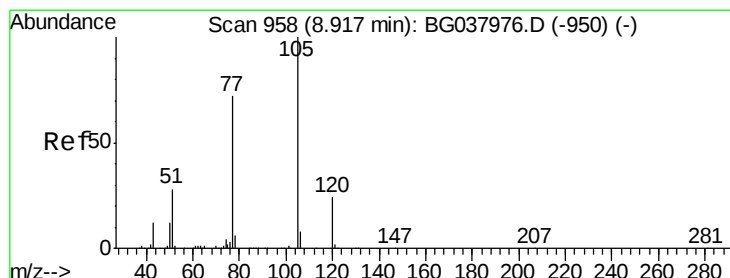
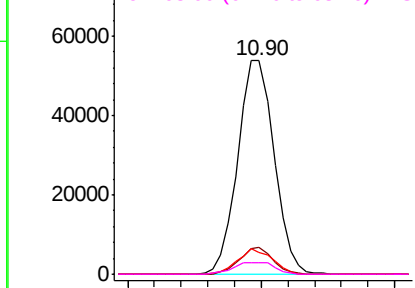
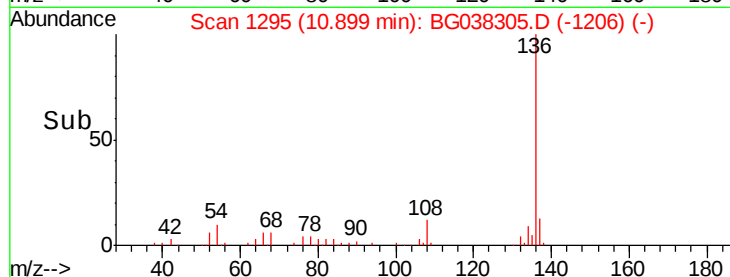
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

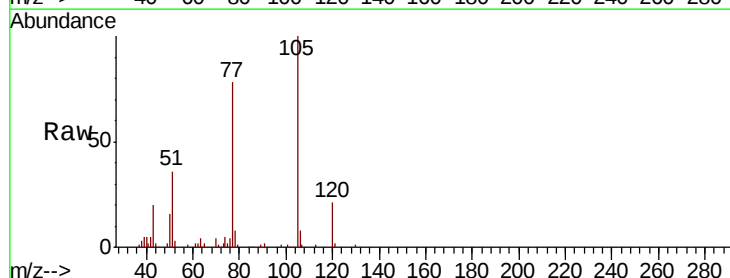
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22  
Acetophenone  
Concen: 38.562 ng  
RT: 8.91 min Scan# 956  
Delta R.T. -0.01 min  
Lab File: BG038305.D  
Acq: 3 Dec 2018 18:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 97897 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 71       | 0.9   | 1.2   | 1.8#  |
| 51       | 36.2  | 25.0  | 37.6  |
| 120      | 21.1  | 18.6  | 28.0  |



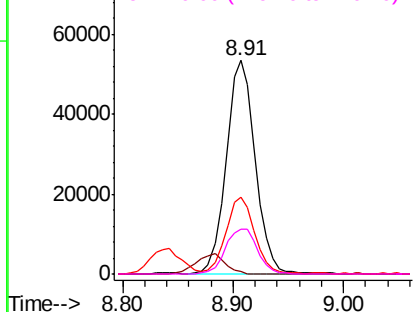
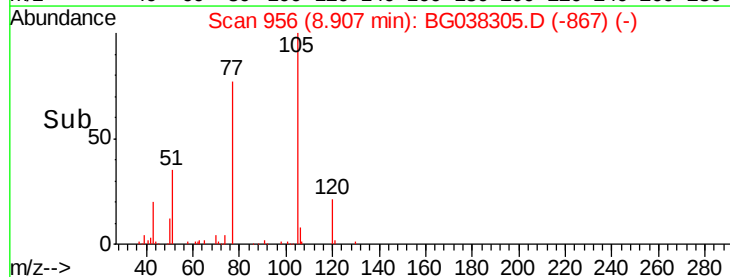
Abundance

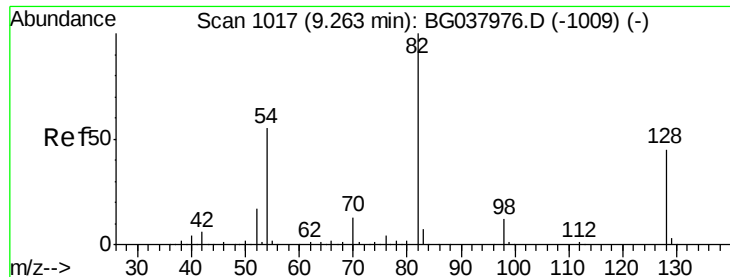
Ion 105.00 (104.70 to 105.70): E

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

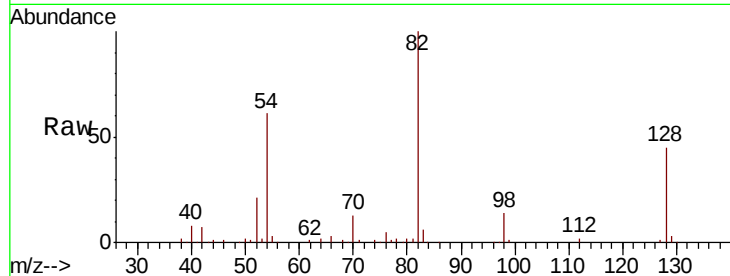




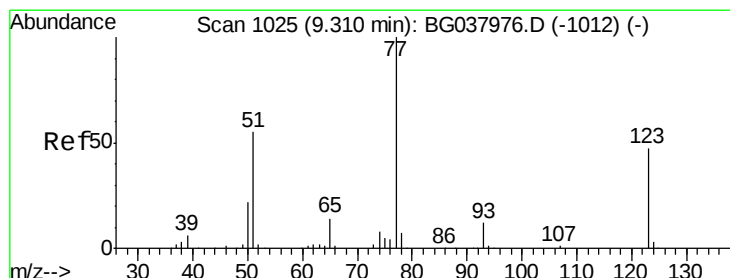
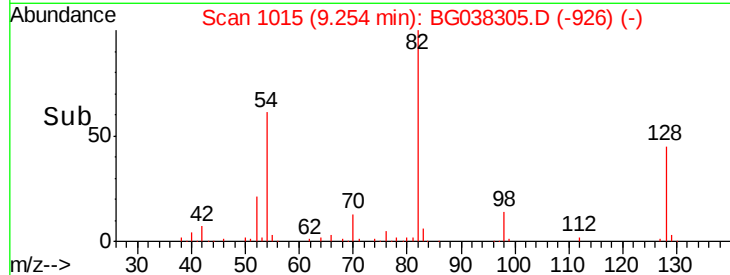
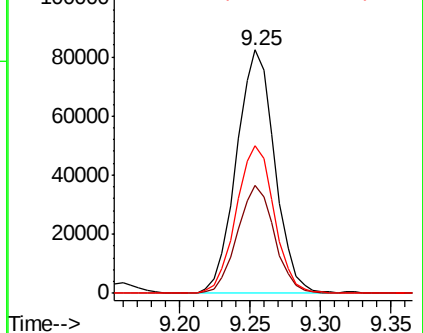
#23  
 Nitrobenzene-d5  
 Concen: 81.815 ng  
 RT: 9.25 min Scan# 1015  
 Delta R.T. -0.01 min  
 Lab File: BG038305.D  
 Acq: 3 Dec 2018 18:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Tgt Ion: 82 Resp: 155950  
 Ion Ratio Lower Upper  
 82 100  
 128 44.5 34.6 51.8  
 54 60.5 45.3 67.9

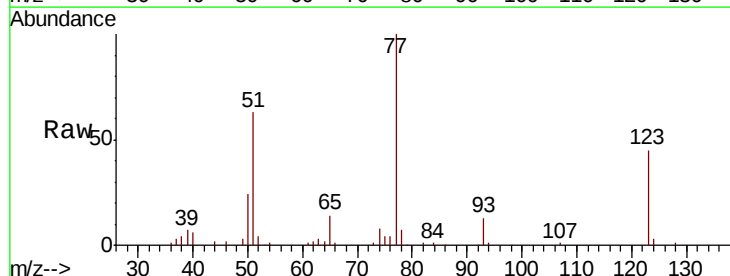


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

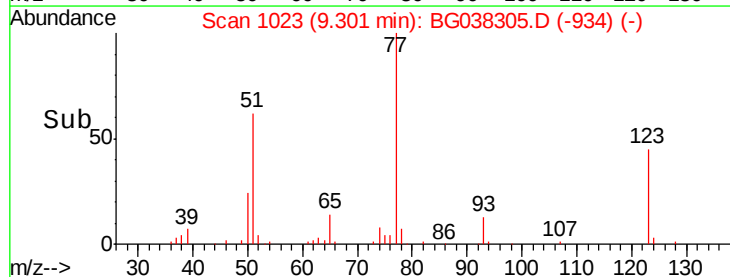
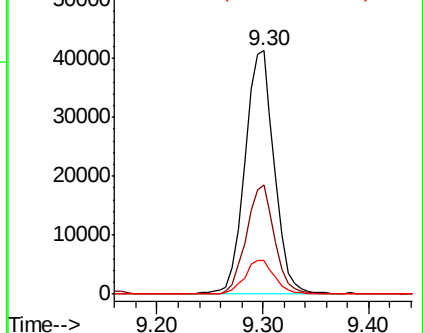


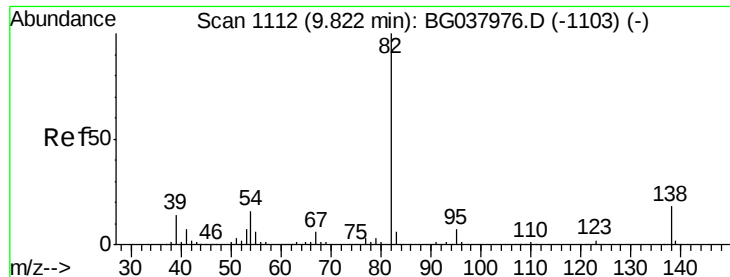
#24  
 Nitrobenzene  
 Concen: 40.813 ng  
 RT: 9.30 min Scan# 1023  
 Delta R.T. -0.01 min  
 Lab File: BG038305.D  
 Acq: 3 Dec 2018 18:22

Tgt Ion: 77 Resp: 79582  
 Ion Ratio Lower Upper  
 77 100  
 123 44.9 33.6 50.4  
 65 13.6 11.3 16.9



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





#25

Isophorone

Concen: 37.671 ng

RT: 9.81 min Scan# 1109

Delta R.T. -0.02 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

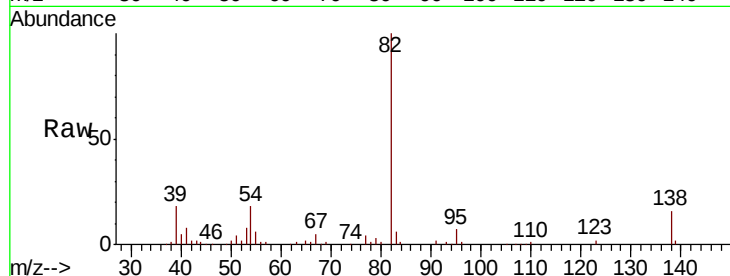
Tgt Ion: 82 Resp: 129243

Ion Ratio Lower Upper

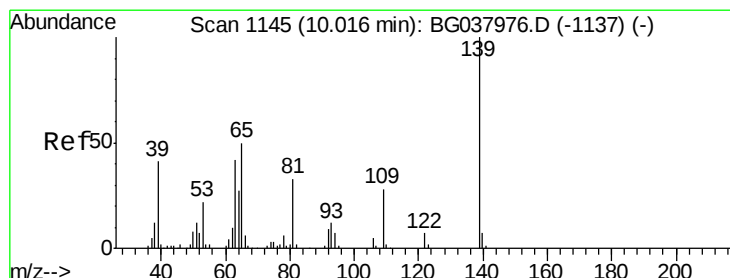
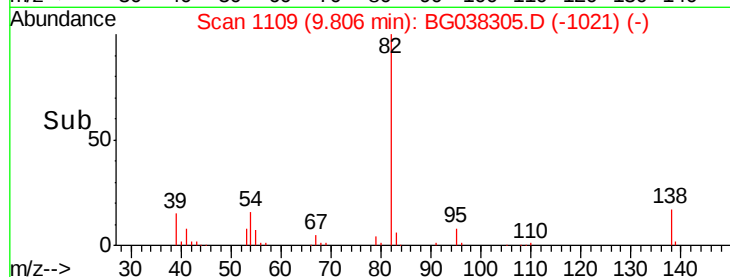
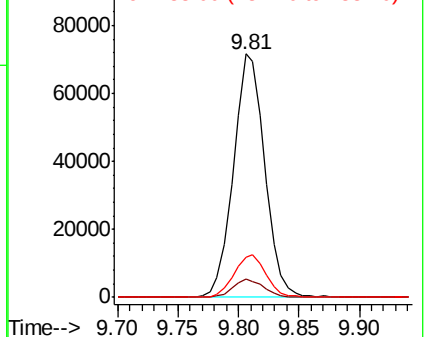
82 100

95 7.4 5.3 7.9

138 16.5 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: 38.197 ng

RT: 10.01 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

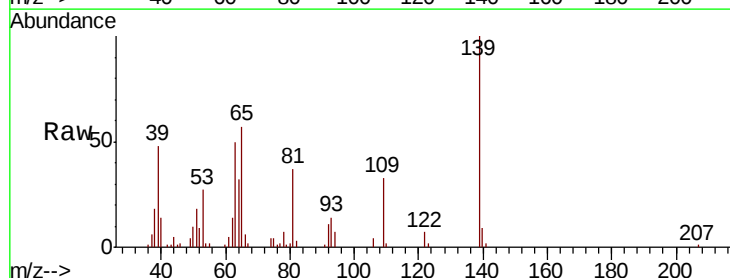
Tgt Ion: 139 Resp: 37183

Ion Ratio Lower Upper

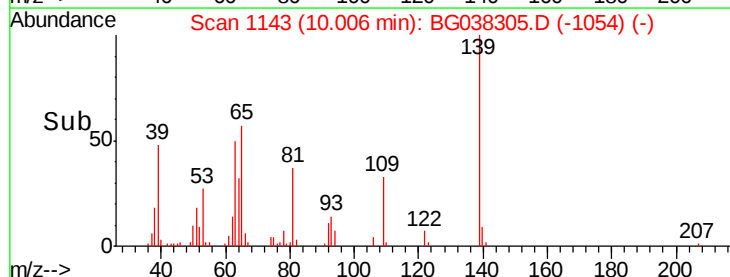
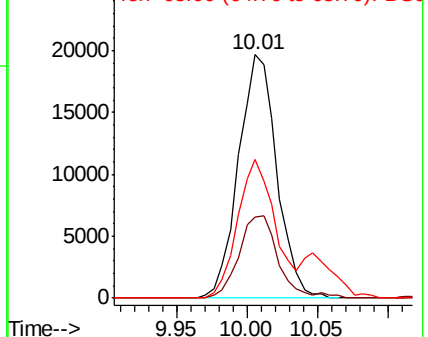
139 100

109 33.4 23.3 34.9

65 57.0 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

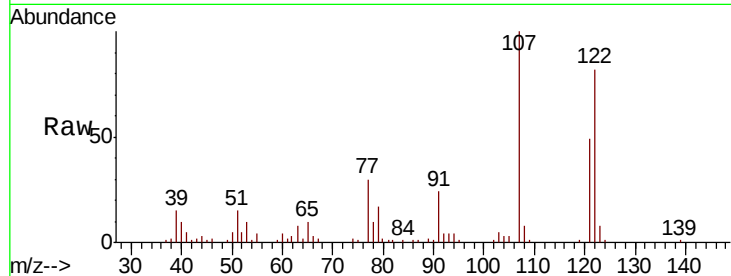




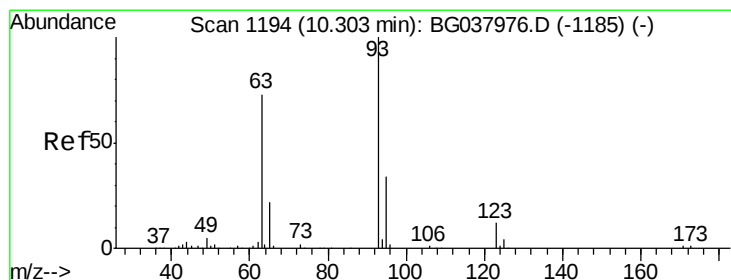
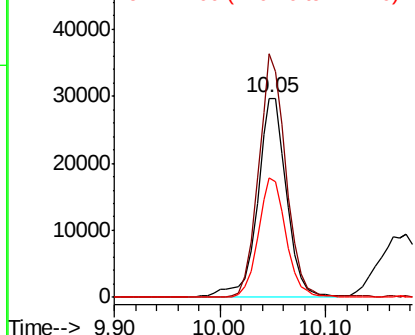
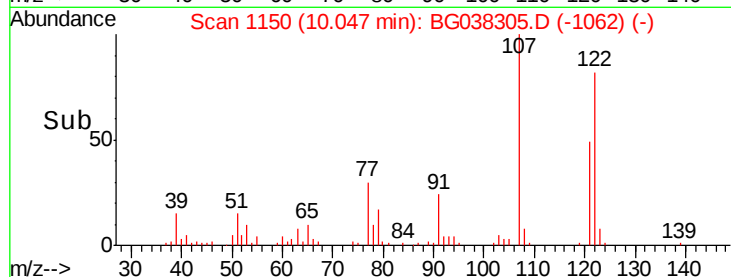
#27  
2,4-Dimethylphenol  
Concen: 38.831 ng  
RT: 10.05 min Scan# 1150  
Delta R.T. -0.02 min  
Lab File: BG038305.D  
Acq: 3 Dec 2018 18:22

Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

Tgt Ion:122 Resp: 56952  
Ion Ratio Lower Upper  
122 100  
107 122.4 94.2 141.2  
121 59.9 47.3 70.9

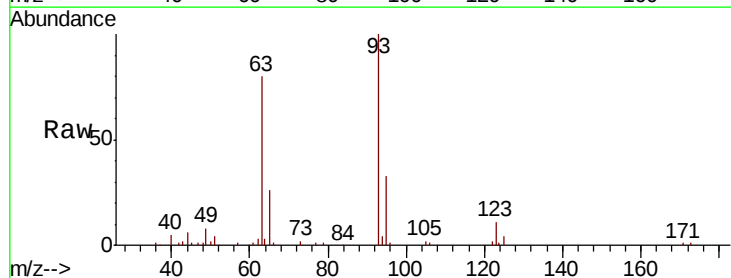


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 107.00 (106.70 to 107.70): E  
Ion 121.00 (120.70 to 121.70): E

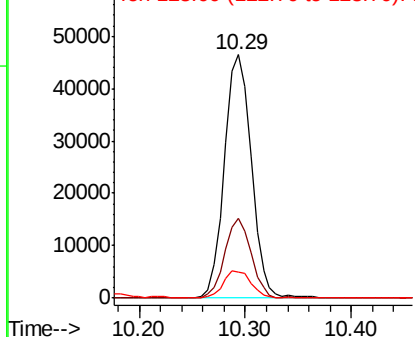
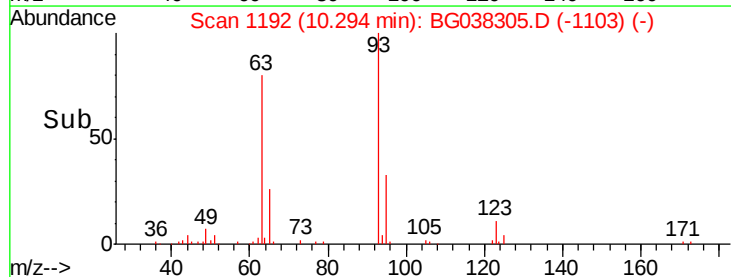


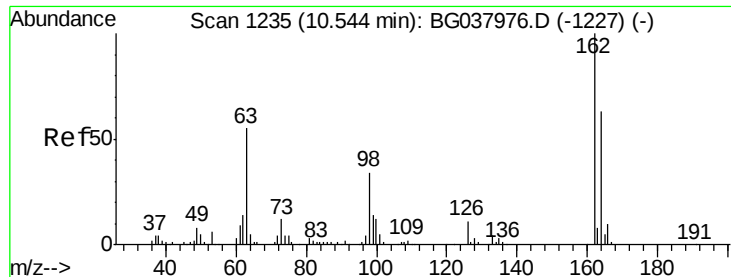
#28  
bis(2-Chloroethoxy)methane  
Concen: 37.470 ng  
RT: 10.29 min Scan# 1192  
Delta R.T. -0.01 min  
Lab File: BG038305.D  
Acq: 3 Dec 2018 18:22

Tgt Ion: 93 Resp: 82204  
Ion Ratio Lower Upper  
93 100  
95 32.7 24.6 37.0  
123 10.8 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

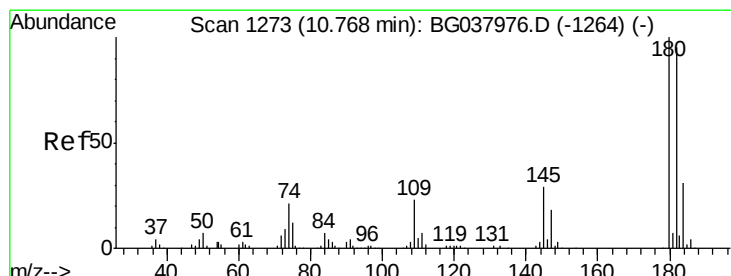
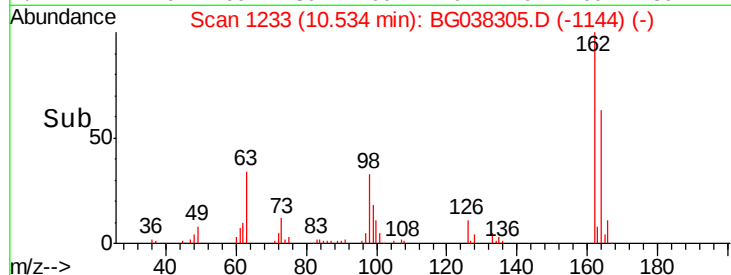
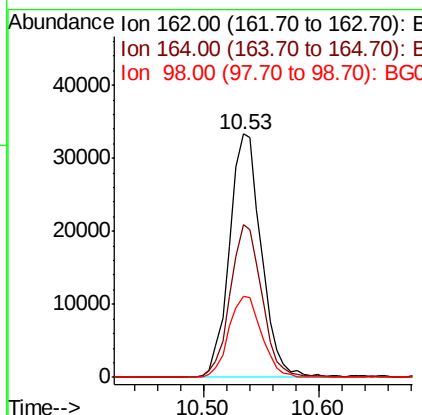
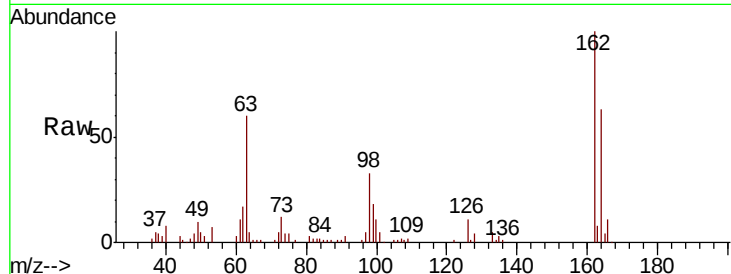




#29  
 2,4-Dichlorophenol  
 Concen: 38.585 ng  
 RT: 10.53 min Scan# 1233  
 Delta R.T. -0.01 min  
 Lab File: BG038305.D  
 Acq: 3 Dec 2018 18:22

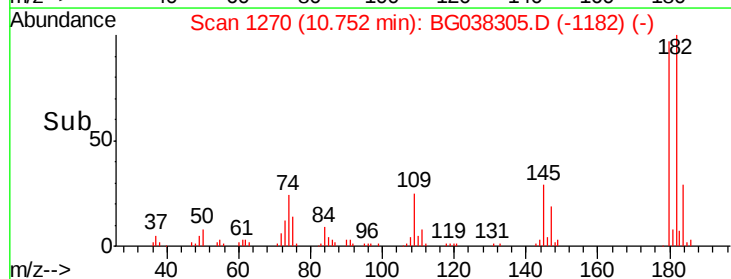
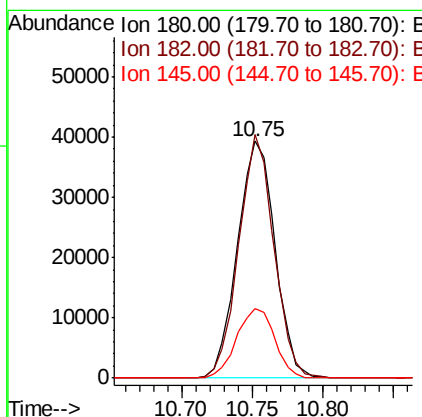
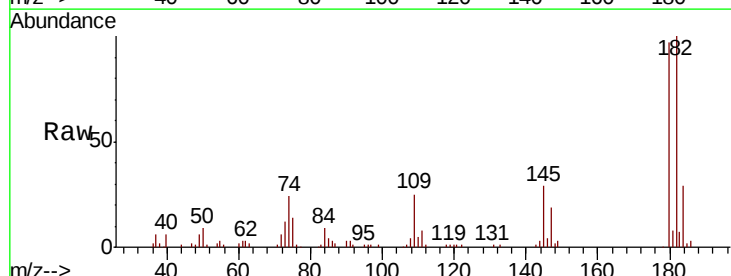
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

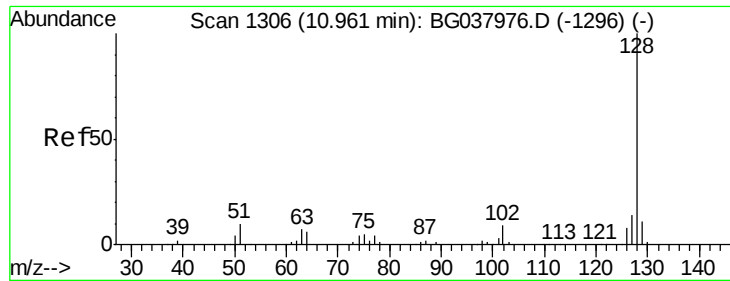
Tgt Ion:162 Resp: 63654  
 Ion Ratio Lower Upper  
 162 100  
 164 63.0 43.2 83.2  
 98 33.3 16.0 56.0



#30  
 1,2,4-Trichlorobenzene  
 Concen: 39.632 ng  
 RT: 10.75 min Scan# 1270  
 Delta R.T. -0.02 min  
 Lab File: BG038305.D  
 Acq: 3 Dec 2018 18:22

Tgt Ion:180 Resp: 73266  
 Ion Ratio Lower Upper  
 180 100  
 182 102.9 77.7 116.5  
 145 29.5 23.3 34.9

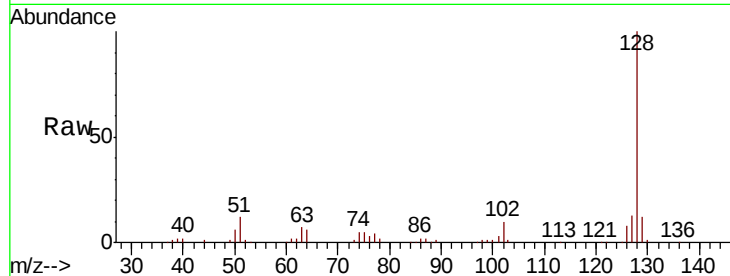




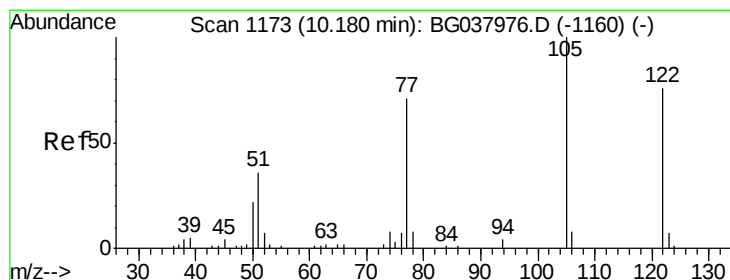
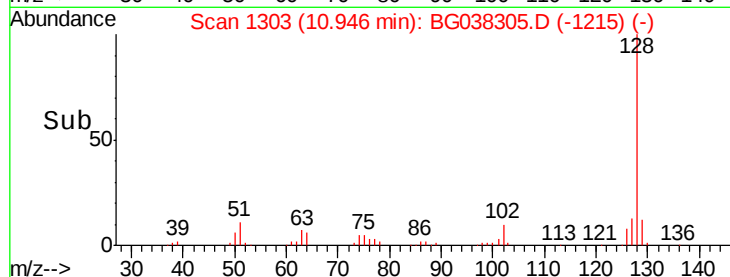
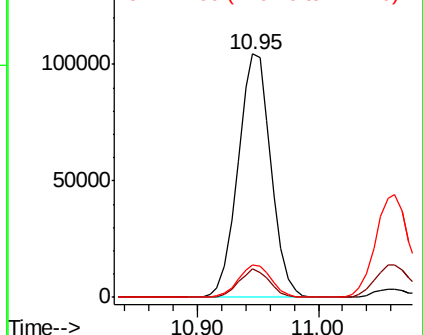
#31  
Naphthalene  
Concen: 39.397 ng  
RT: 10.95 min Scan# 1303  
Delta R.T. -0.02 min  
Lab File: BG038305.D  
Acq: 3 Dec 2018 18:22

Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

Tgt Ion:128 Resp: 197718  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.0 13.6  
127 13.5 11.1 16.7

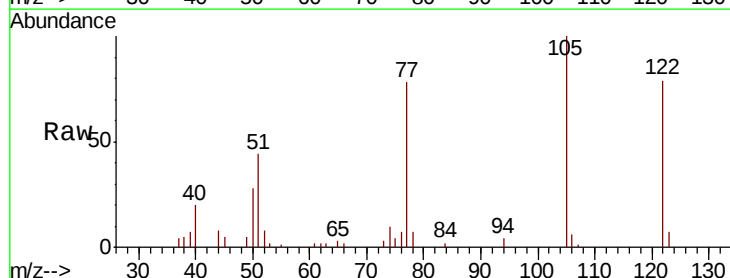


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

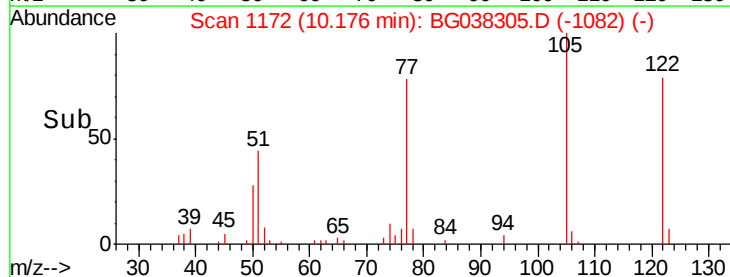
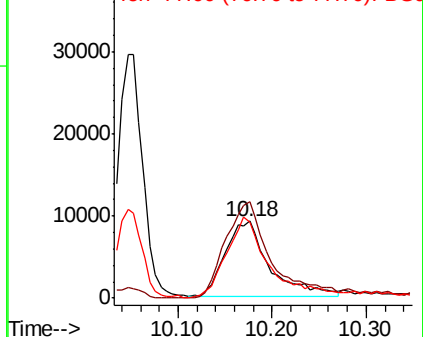


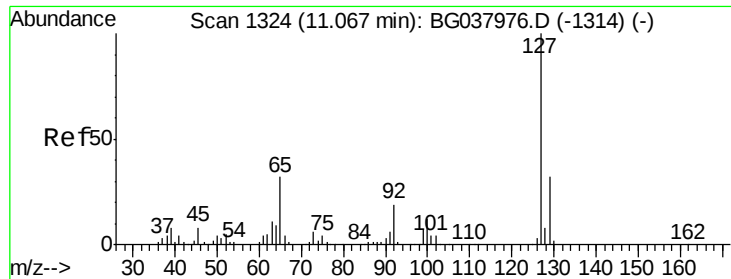
#32  
Benzoic acid  
Concen: 35.958 ng  
RT: 10.18 min Scan# 1172  
Delta R.T. -0.00 min  
Lab File: BG038305.D  
Acq: 3 Dec 2018 18:22

Tgt Ion:122 Resp: 30026  
Ion Ratio Lower Upper  
122 100  
105 126.2 106.7 146.7  
77 98.7 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

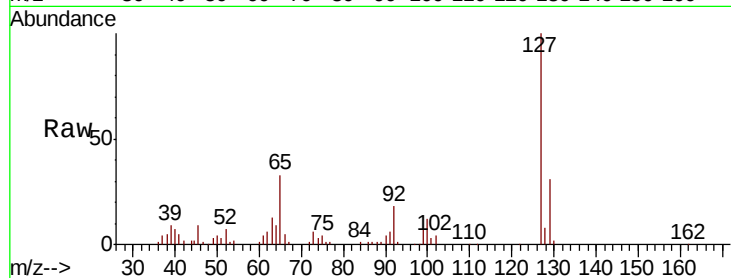




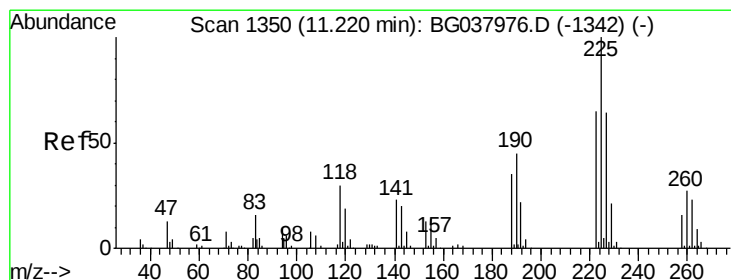
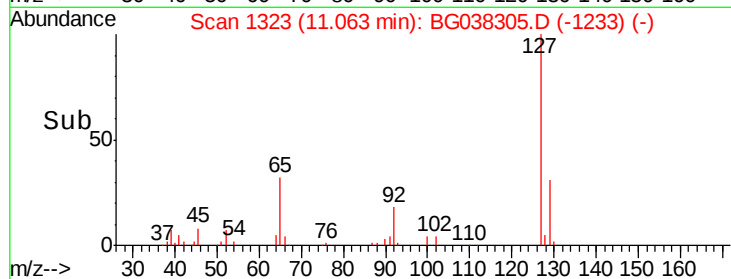
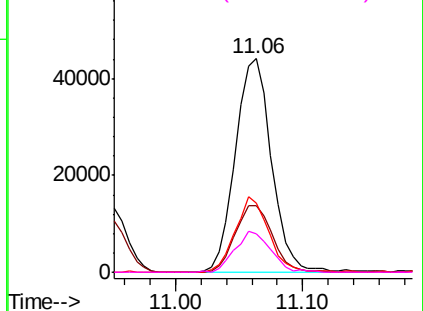
#33  
4-Chloroaniline  
Concen: 37.310 ng  
RT: 11.06 min Scan# 1323  
Delta R.T. -0.00 min  
Lab File: BG038305.D  
Acq: 3 Dec 2018 18:22

Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 87099 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 30.9  | 27.1  | 40.7  |
| 65       | 32.7  | 26.6  | 39.8  |
| 92       | 18.2  | 16.4  | 24.6  |

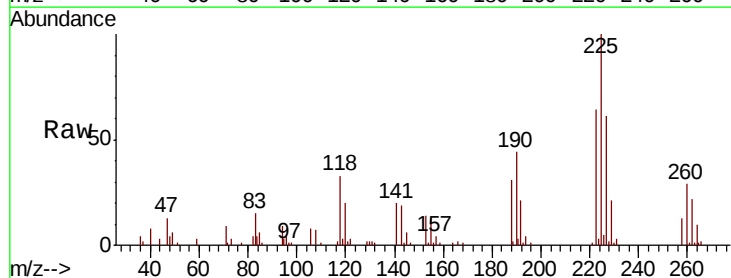


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC

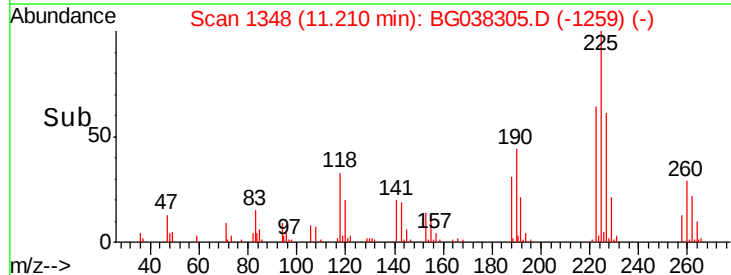
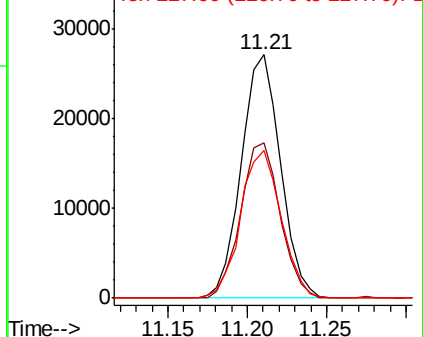


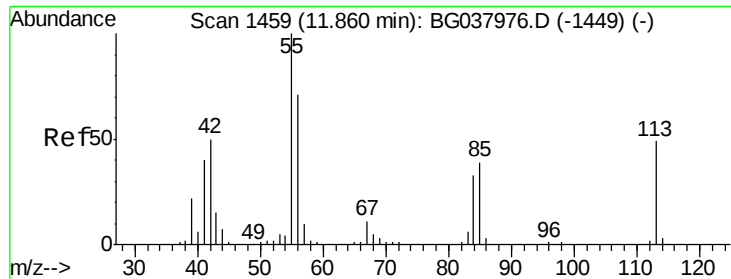
#34  
Hexachlorobutadiene  
Concen: 41.080 ng  
RT: 11.21 min Scan# 1348  
Delta R.T. -0.01 min  
Lab File: BG038305.D  
Acq: 3 Dec 2018 18:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 46739 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 63.8  | 48.2  | 72.4  |
| 227      | 60.1  | 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: 44.328 ng

RT: 11.84 min Scan# 1455

Delta R.T. -0.02 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

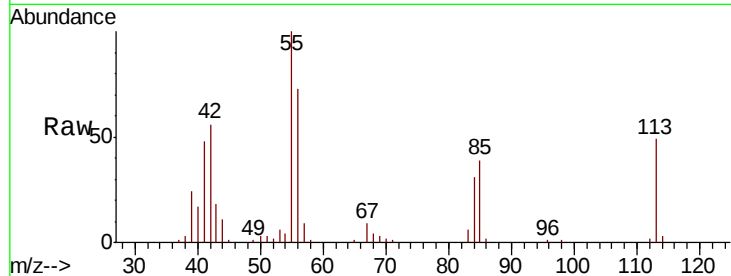
Tgt Ion:113 Resp: 29271

Ion Ratio Lower Upper

113 100

55 203.4 176.6 216.6

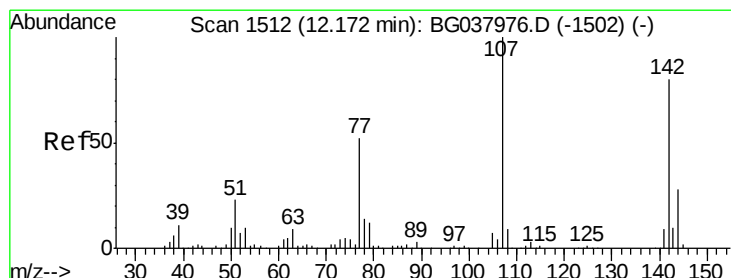
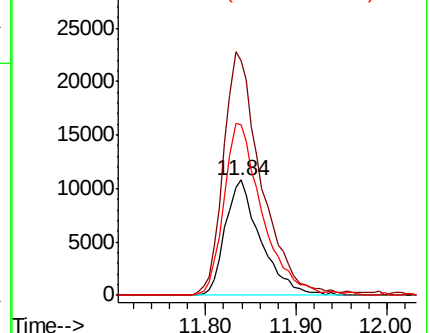
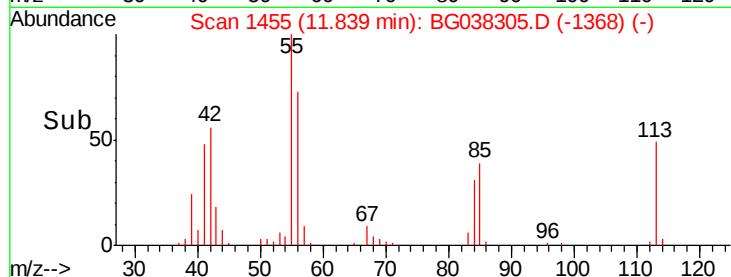
56 148.4 128.3 168.3



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 39.816 ng

RT: 12.17 min Scan# 1511

Delta R.T. -0.00 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

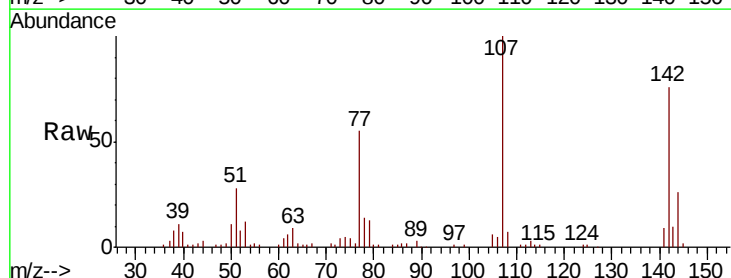
Tgt Ion:107 Resp: 71761

Ion Ratio Lower Upper

107 100

144 26.1 20.7 31.1

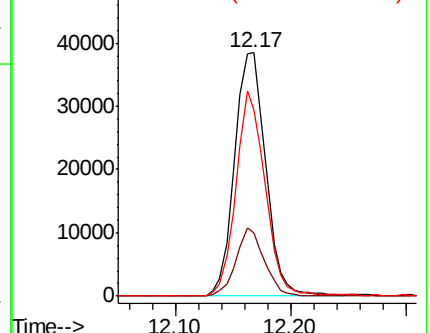
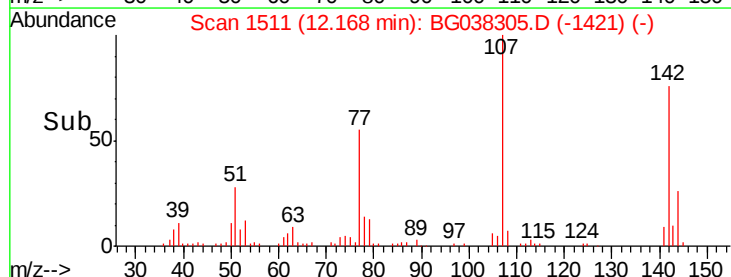
142 76.3 64.4 96.6

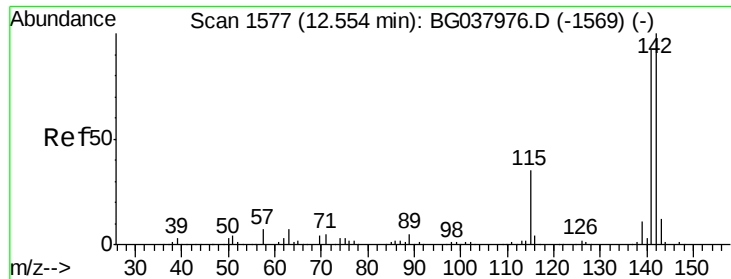


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

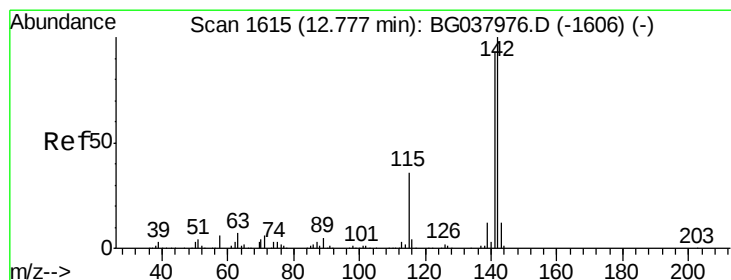
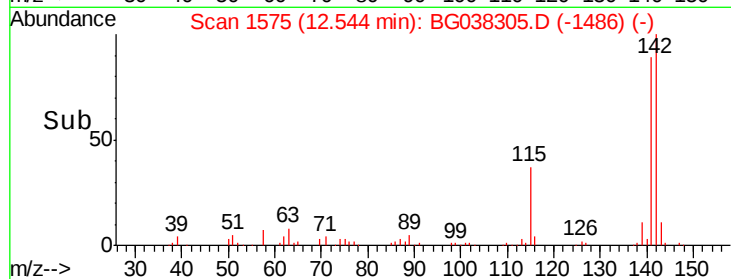
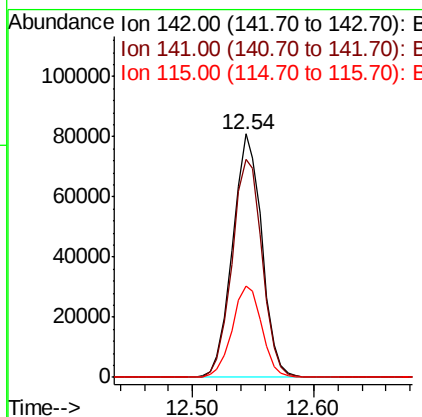
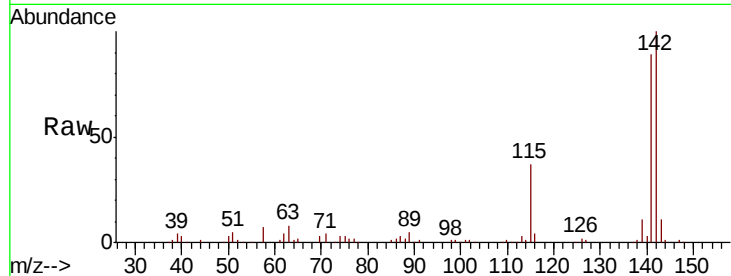




#37  
 2-Methylnaphthalene  
 Concen: 37.875 ng  
 RT: 12.54 min Scan# 1575  
 Delta R.T. -0.01 min  
 Lab File: BG038305.D  
 Acq: 3 Dec 2018 18:22

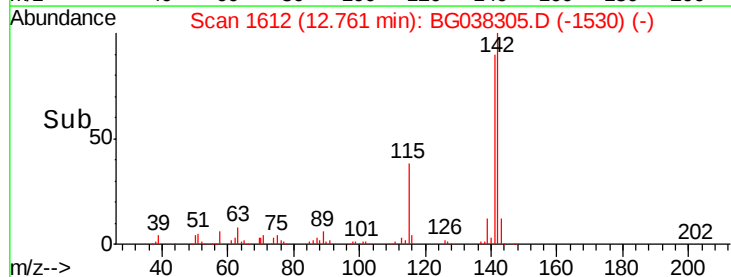
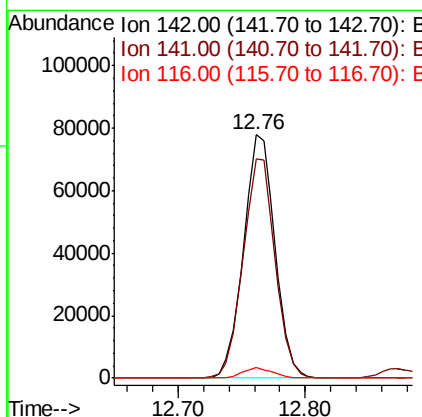
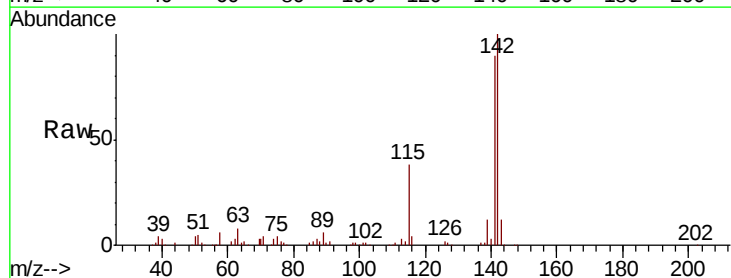
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

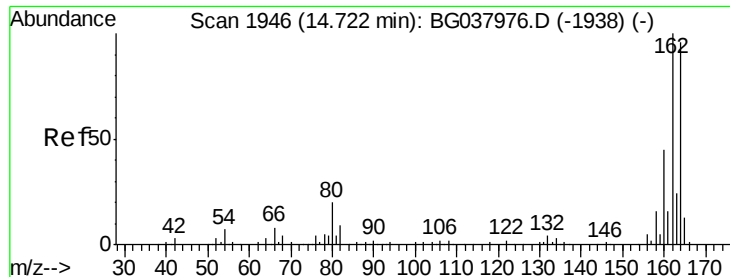
Tgt Ion:142 Resp: 136537  
 Ion Ratio Lower Upper  
 142 100  
 141 89.4 71.9 107.9  
 115 37.3 27.8 41.8



#38  
 1-Methylnaphthalene  
 Concen: 38.529 ng  
 RT: 12.76 min Scan# 1612  
 Delta R.T. -0.02 min  
 Lab File: BG038305.D  
 Acq: 3 Dec 2018 18:22

Tgt Ion:142 Resp: 133695  
 Ion Ratio Lower Upper  
 142 100  
 141 90.1 75.2 112.8  
 116 4.3 3.3 4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.71 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

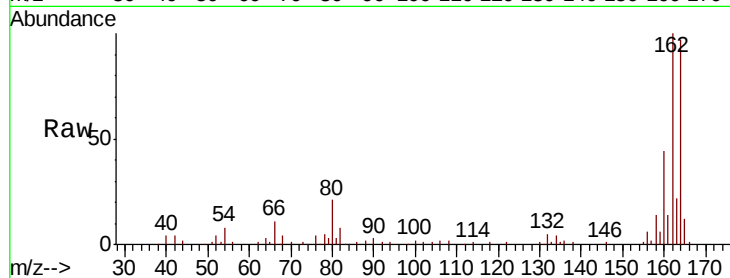
Tgt Ion:164 Resp: 65208

Ion Ratio Lower Upper

164 100

162 103.5 81.3 121.9

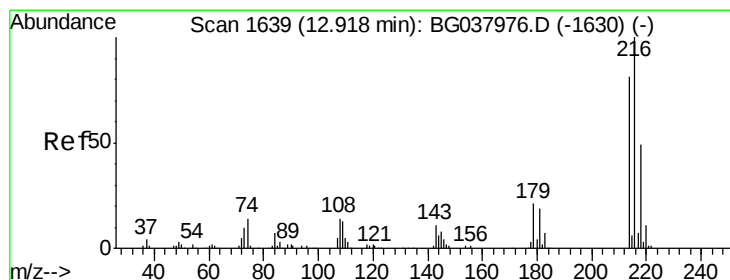
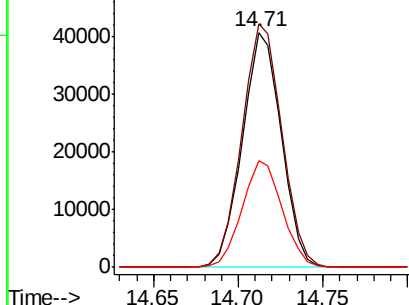
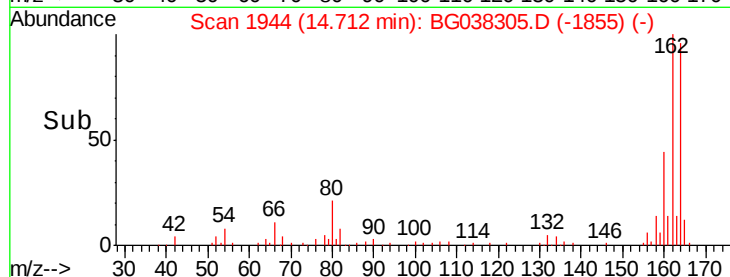
160 45.1 36.3 54.5



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: 39.179 ng

RT: 12.90 min Scan# 1636

Delta R.T. -0.02 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

Tgt Ion:216 Resp: 85369

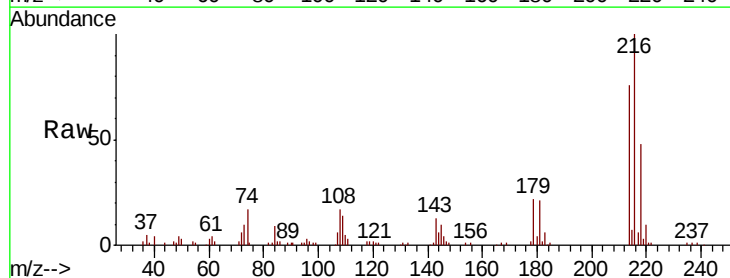
Ion Ratio Lower Upper

216 100

214 77.9 63.8 95.6

179 21.1 17.4 26.0

108 18.6 13.9 20.9

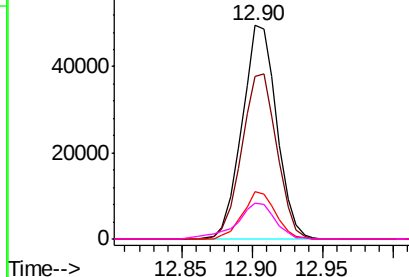
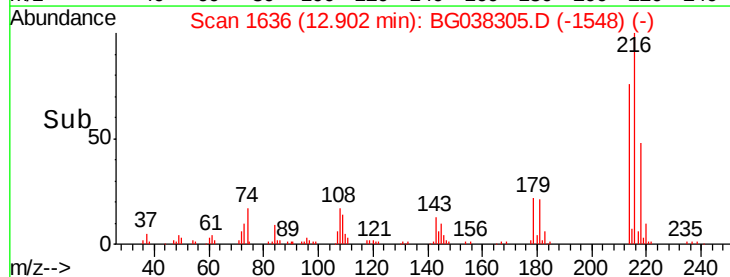


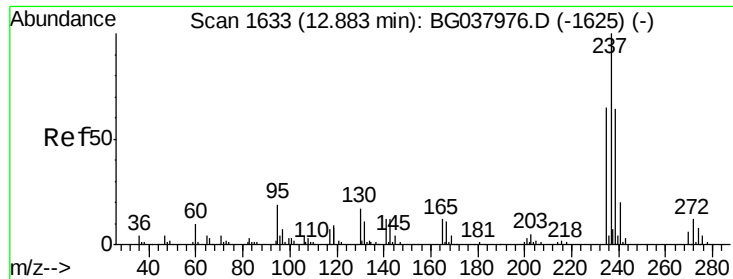
Abundance Ion 216.00 (215.70 to 216.70): E

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: 39.964 ng

RT: 12.87 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

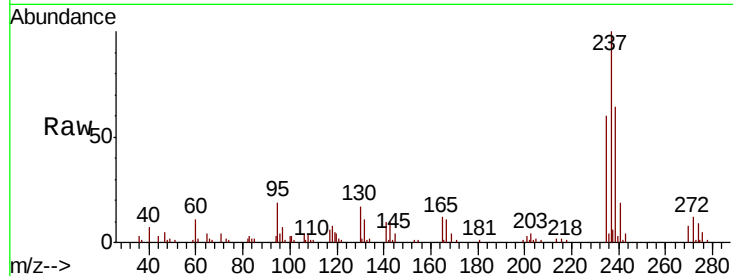
Tgt Ion:237 Resp: 46629

Ion Ratio Lower Upper

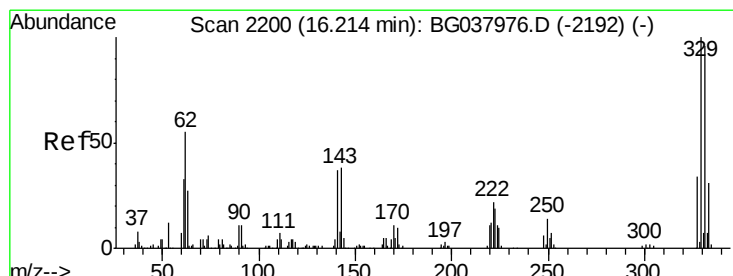
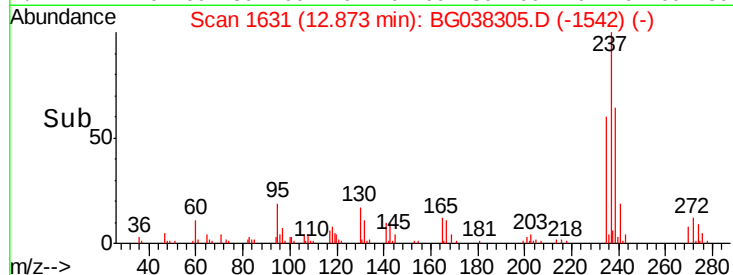
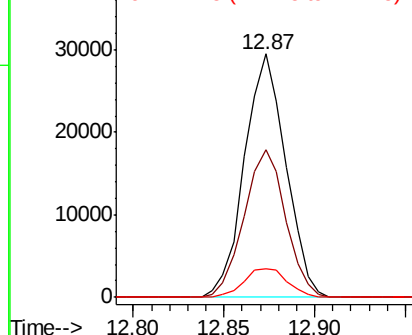
237 100

235 60.4 42.5 82.5

272 11.8 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: 98.697 ng

RT: 16.20 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

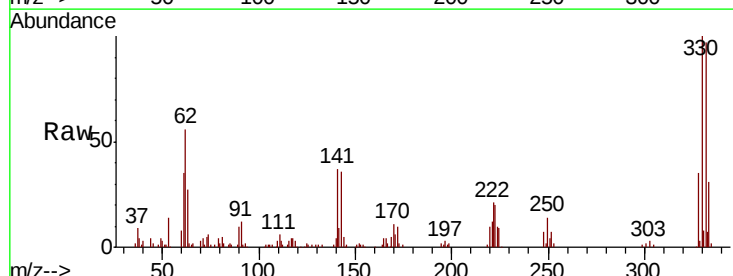
Tgt Ion:330 Resp: 73399

Ion Ratio Lower Upper

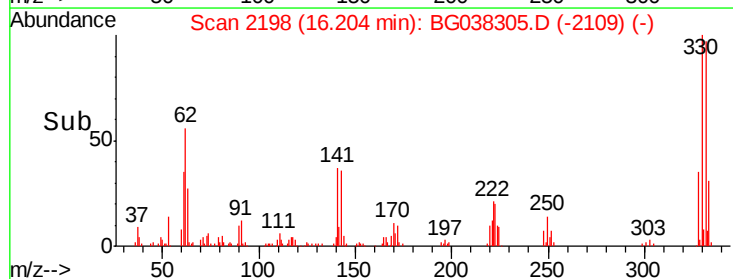
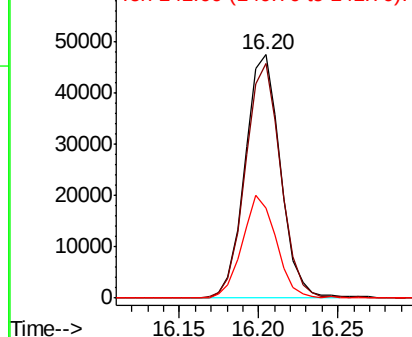
330 100

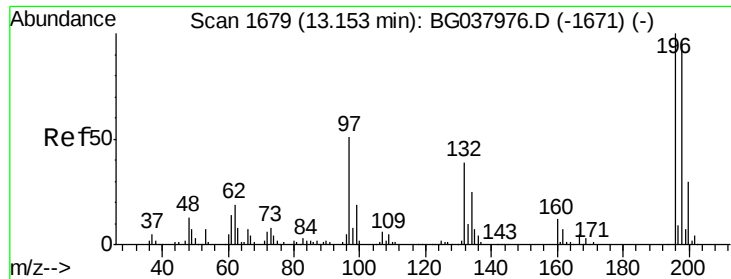
332 96.6 78.4 117.6

141 40.4 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

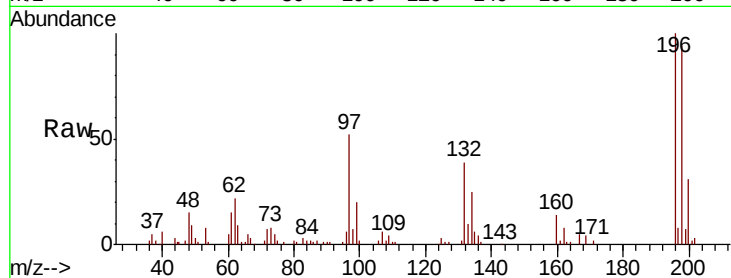




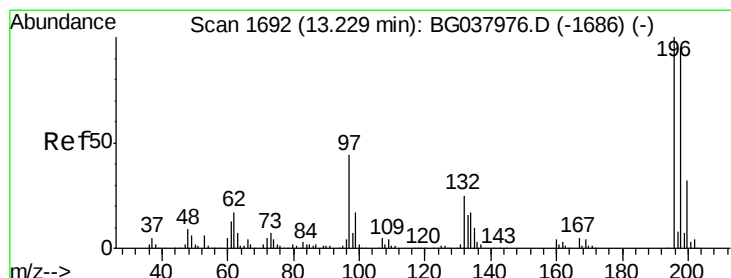
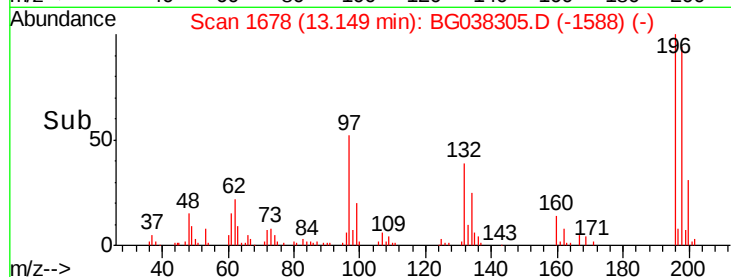
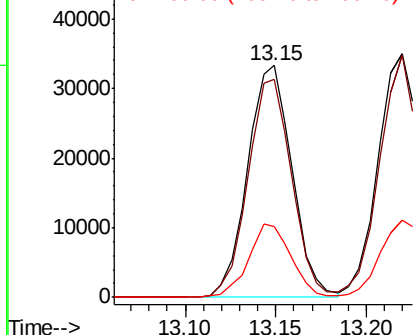
#43  
 2,4,6-Trichlorophenol  
 Concen: 38.009 ng  
 RT: 13.15 min Scan# 1678  
 Delta R.T. -0.00 min  
 Lab File: BG038305.D  
 Acq: 3 Dec 2018 18:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Tgt Ion:196 Resp: 56436  
 Ion Ratio Lower Upper  
 196 100  
 198 94.0 76.4 114.6  
 200 30.5 24.9 37.3



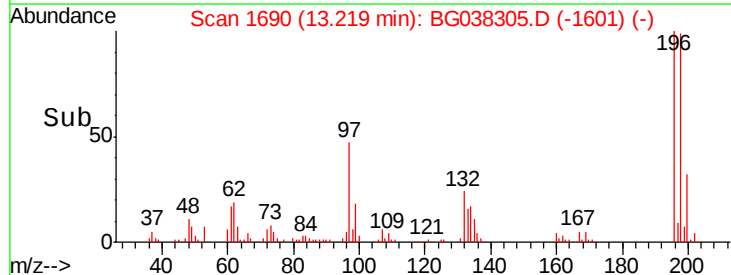
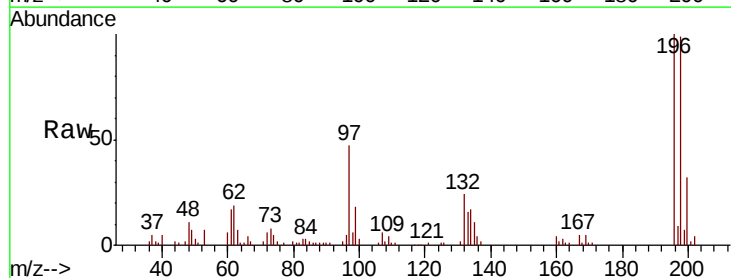
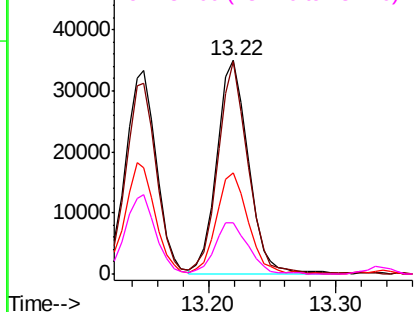
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

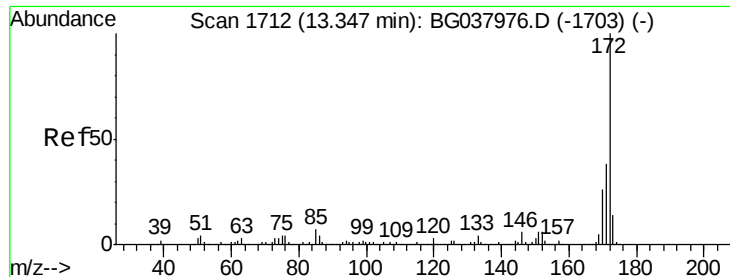


#44  
 2,4,5-Trichlorophenol  
 Concen: 38.820 ng  
 RT: 13.22 min Scan# 1690  
 Delta R.T. -0.01 min  
 Lab File: BG038305.D  
 Acq: 3 Dec 2018 18:22

Tgt Ion:196 Resp: 60649  
 Ion Ratio Lower Upper  
 196 100  
 198 99.4 74.2 111.2  
 97 47.3 34.1 51.1  
 132 24.2 20.2 30.4

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

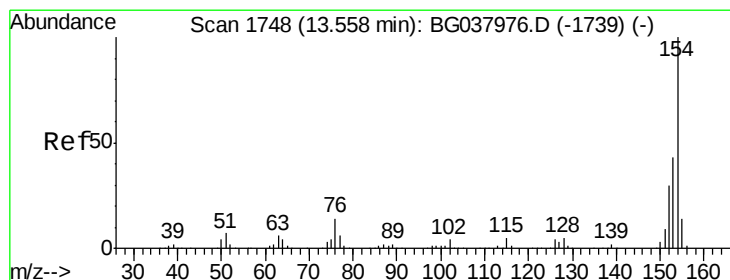
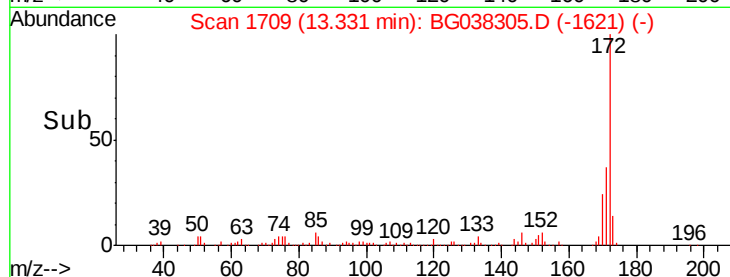
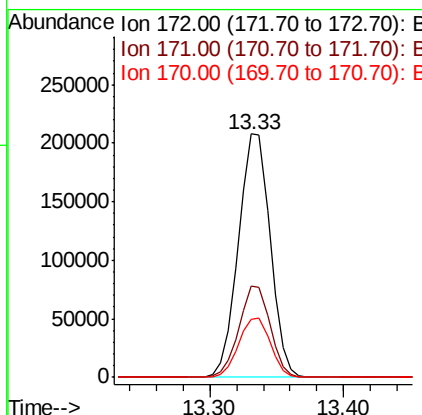
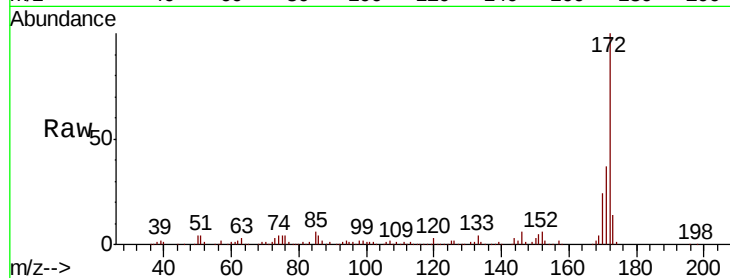




#45  
 2-Fluorobiphenyl  
 Concen: 76.499 ng  
 RT: 13.33 min Scan# 1709  
 Delta R.T. -0.02 min  
 Lab File: BG038305.D  
 Acq: 3 Dec 2018 18:22

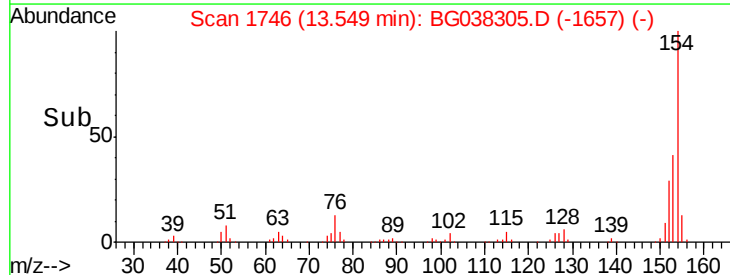
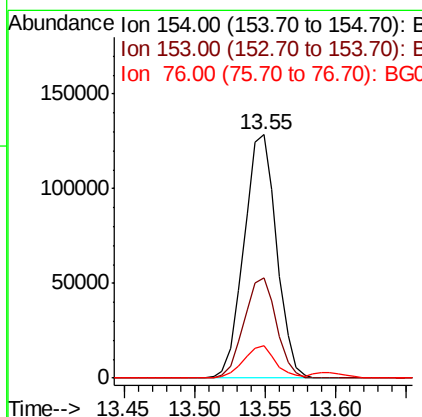
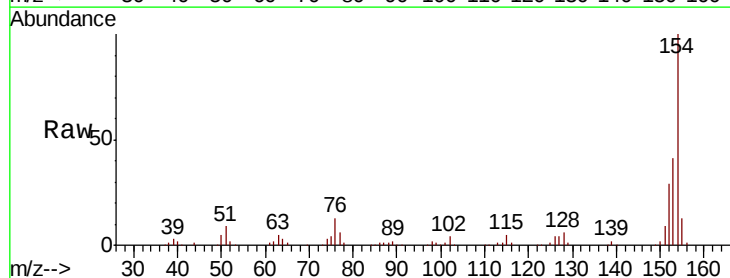
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTCCCC040

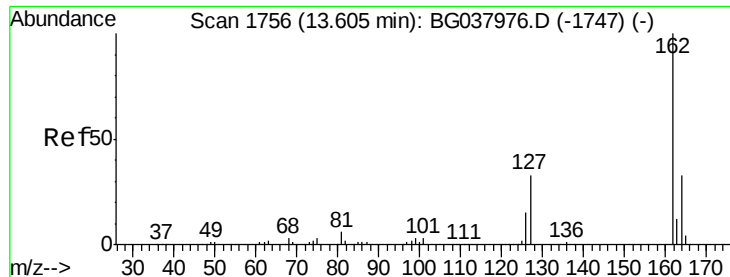
Tgt Ion:172 Resp: 342407  
 Ion Ratio Lower Upper  
 172 100  
 171 37.2 31.0 46.4  
 170 23.8 20.2 30.2



#46  
 1,1'-Biphenyl  
 Concen: 37.958 ng  
 RT: 13.55 min Scan# 1746  
 Delta R.T. -0.01 min  
 Lab File: BG038305.D  
 Acq: 3 Dec 2018 18:22

Tgt Ion:154 Resp: 207942  
 Ion Ratio Lower Upper  
 154 100  
 153 41.3 22.1 62.1  
 76 13.2 0.0 33.2

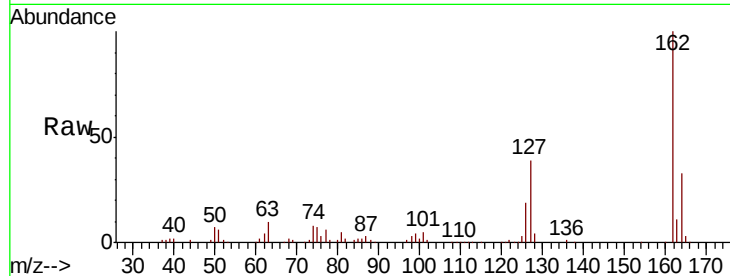




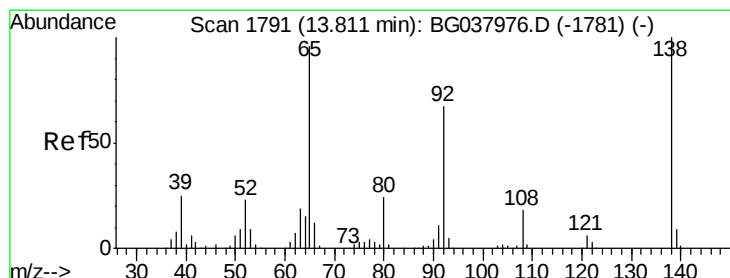
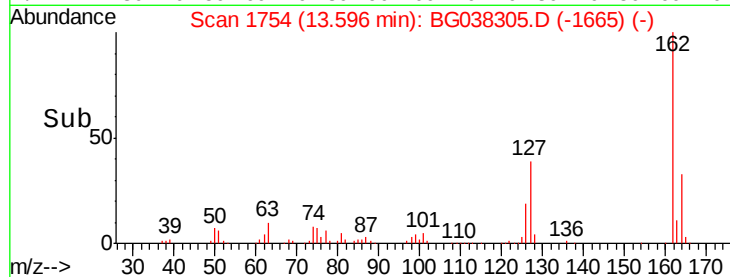
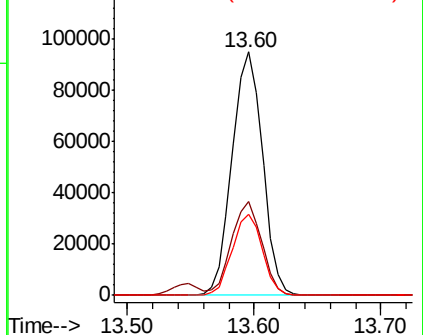
#47  
 2-Chloronaphthalene  
 Concen: 37.706 ng  
 RT: 13.60 min Scan# 1754  
 Delta R.T. -0.01 min  
 Lab File: BG038305.D  
 Acq: 3 Dec 2018 18:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Tgt Ion: 162 Resp: 157625  
 Ion Ratio Lower Upper  
 162 100  
 127 38.7 30.5 45.7  
 164 33.4 26.4 39.6

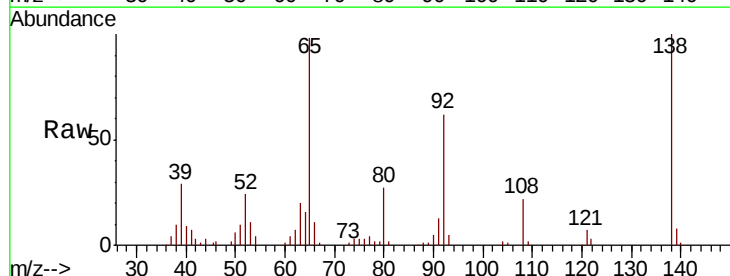


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

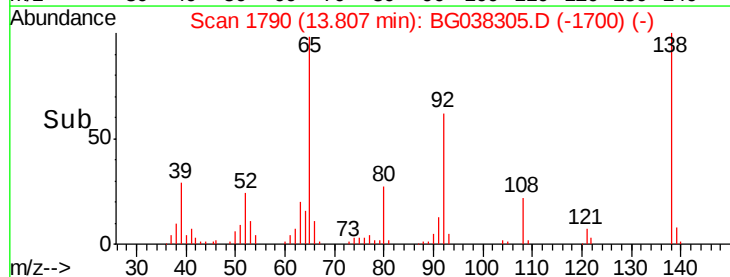
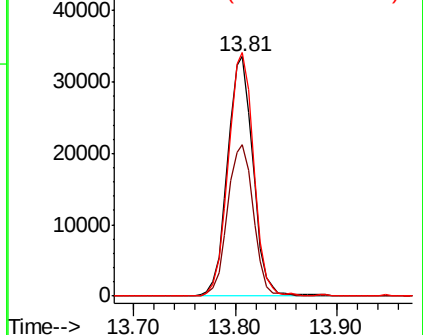


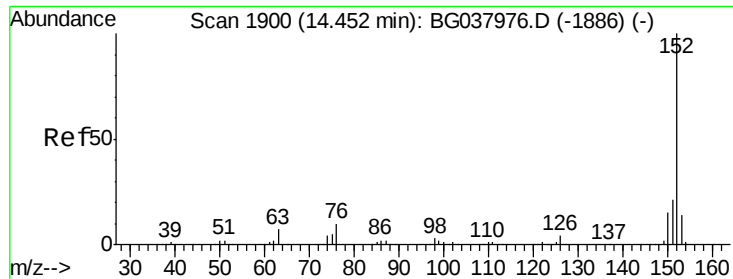
#48  
 2-Nitroaniline  
 Concen: 44.649 ng  
 RT: 13.81 min Scan# 1790  
 Delta R.T. -0.00 min  
 Lab File: BG038305.D  
 Acq: 3 Dec 2018 18:22

Tgt Ion: 65 Resp: 58743  
 Ion Ratio Lower Upper  
 65 100  
 92 63.0 53.2 79.8  
 138 101.6 79.3 118.9



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





#49

Acenaphthylene

Concen: 39.092 ng

RT: 14.44 min Scan# 1898

Delta R.T. -0.01 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

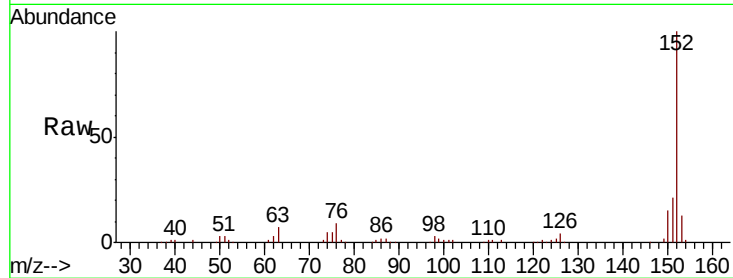
Tgt Ion:152 Resp: 245747

Ion Ratio Lower Upper

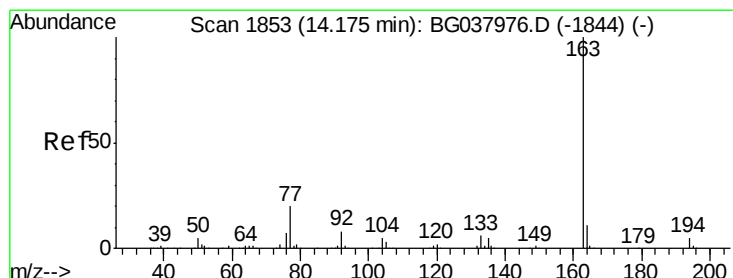
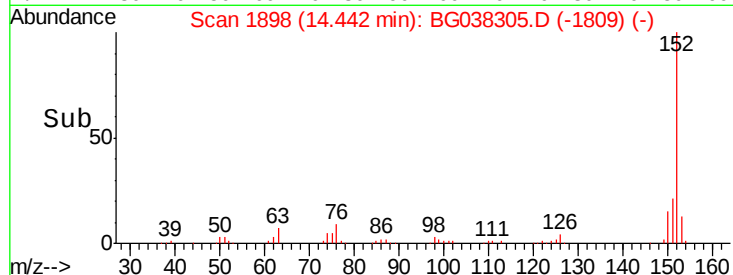
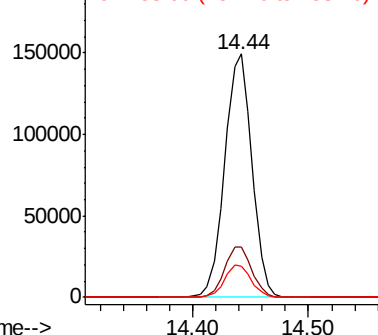
152 100

151 20.8 17.1 25.7

153 12.9 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: 42.734 ng

RT: 14.16 min Scan# 1850

Delta R.T. -0.02 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

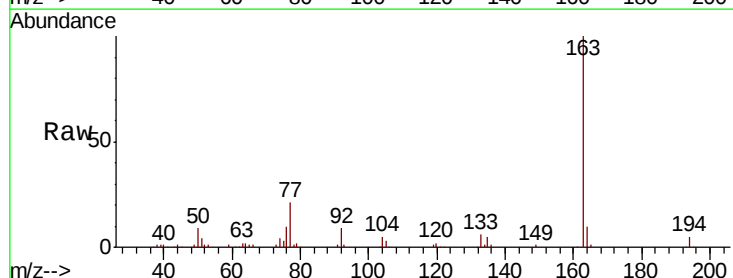
Tgt Ion:163 Resp: 220912

Ion Ratio Lower Upper

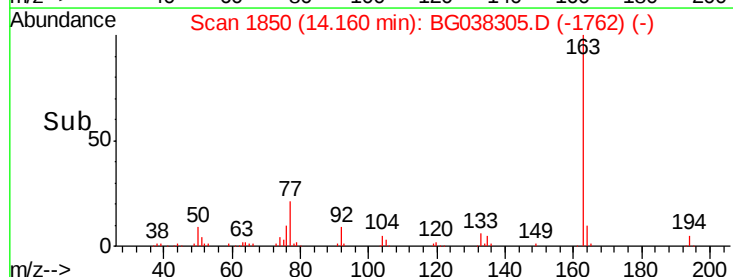
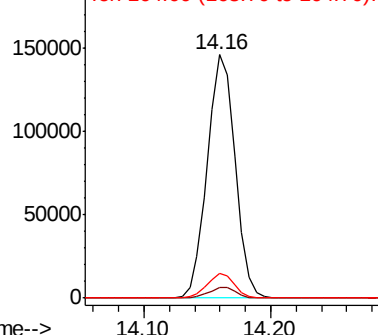
163 100

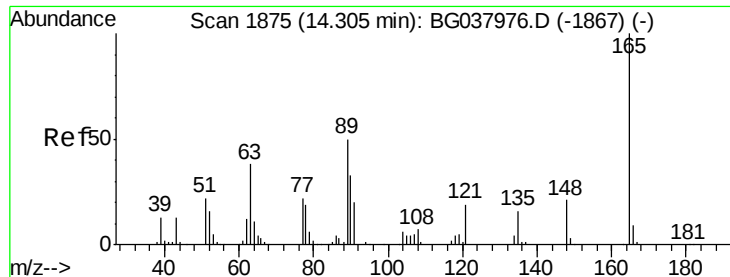
194 4.5 3.5 5.3

164 10.2 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: 44.080 ng

RT: 14.29 min Scan# 1873

Delta R.T. -0.01 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

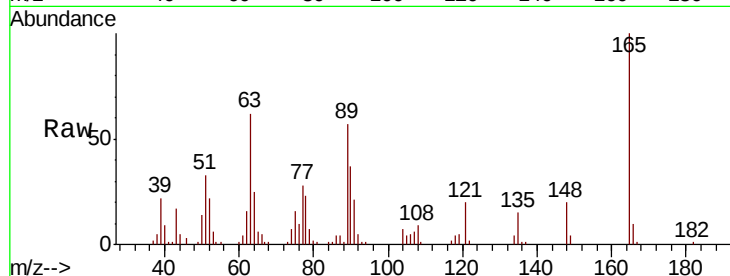
Tgt Ion:165 Resp: 51574

Ion Ratio Lower Upper

165 100

63 61.6 43.4 65.2

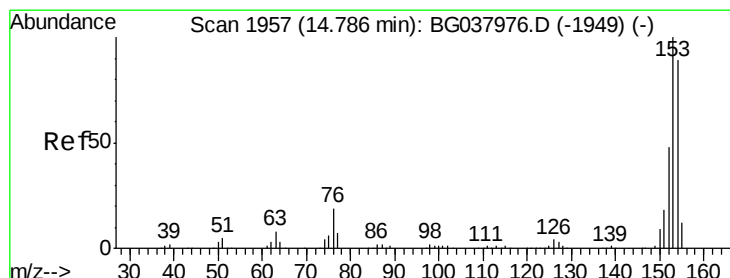
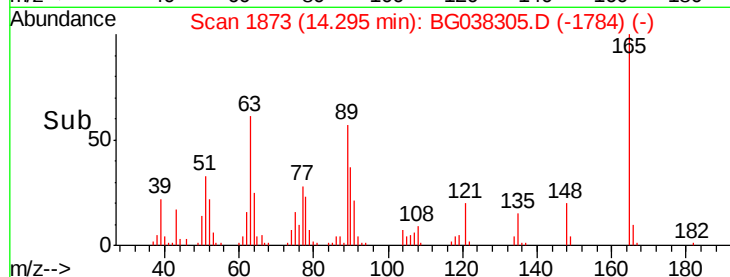
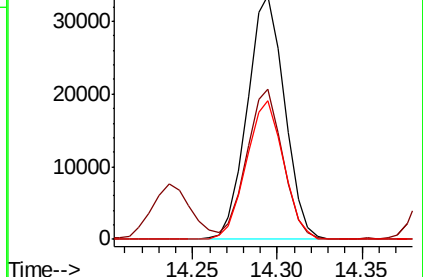
89 57.0 45.8 68.6



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#52

Acenaphthene

Concen: 39.348 ng

RT: 14.78 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

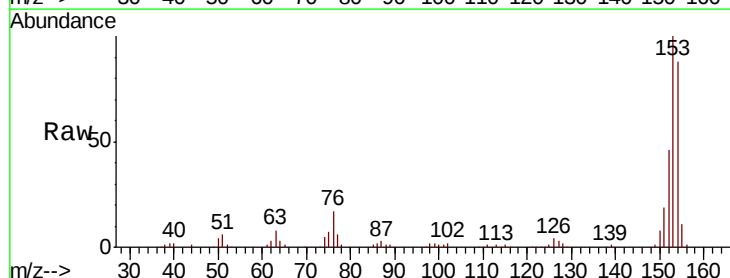
Tgt Ion:154 Resp: 148913

Ion Ratio Lower Upper

154 100

153 113.6 93.4 140.0

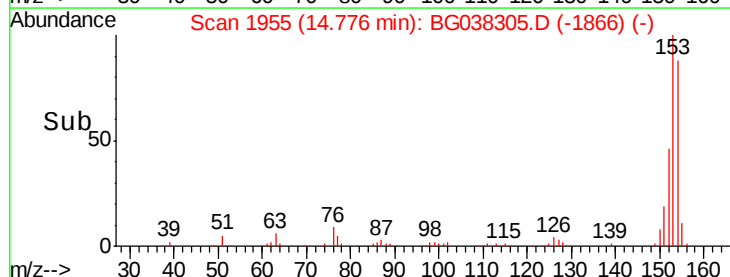
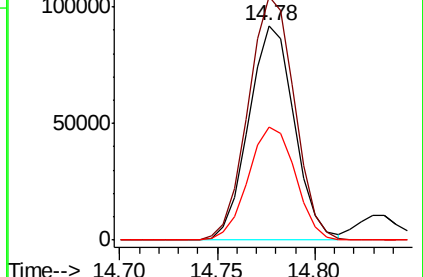
152 52.5 44.7 67.1



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: 46.180 ng

RT: 14.63 min Scan# 1930

Delta R.T. -0.01 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

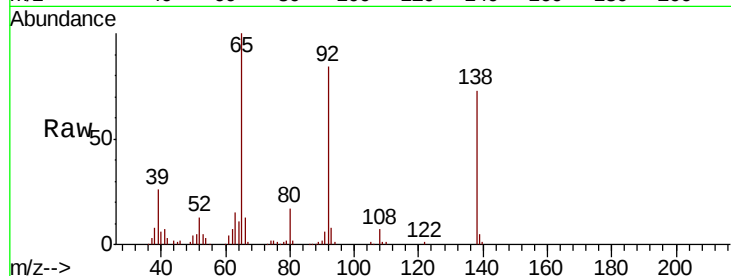
Tgt Ion:138 Resp: 59621

Ion Ratio Lower Upper

138 100

108 9.1 11.0 16.6#

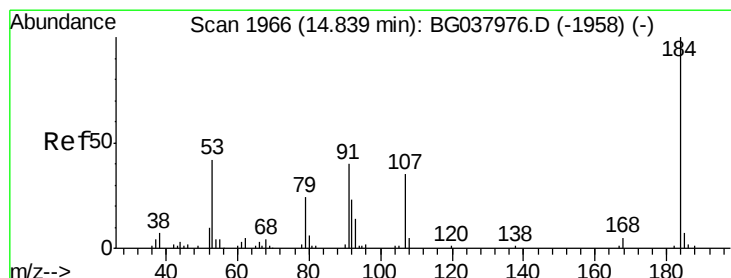
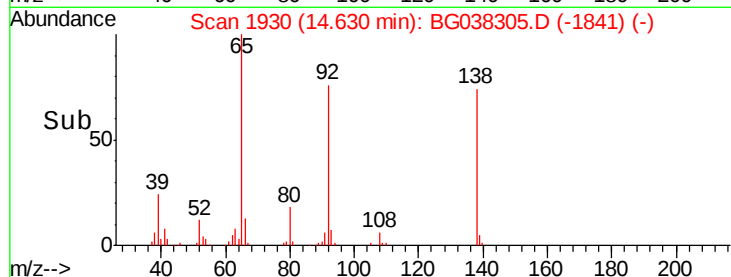
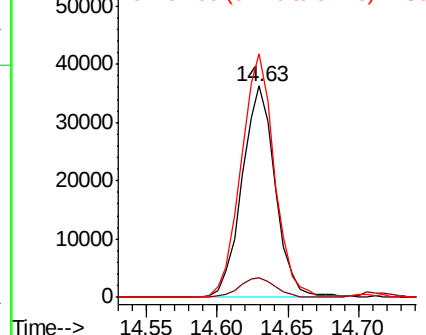
92 115.3 95.2 142.8



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: 50.961 ng

RT: 14.83 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

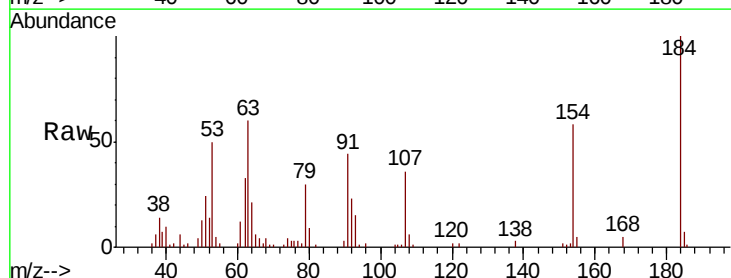
Tgt Ion:184 Resp: 29772

Ion Ratio Lower Upper

184 100

63 59.7 42.6 63.8

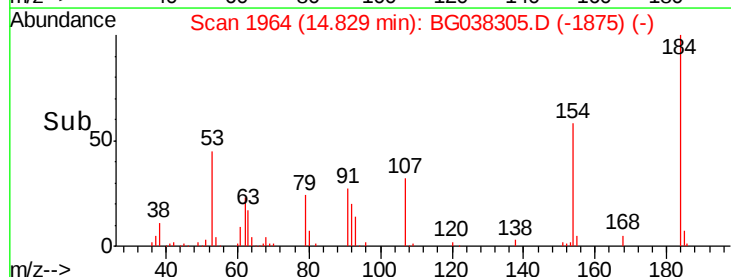
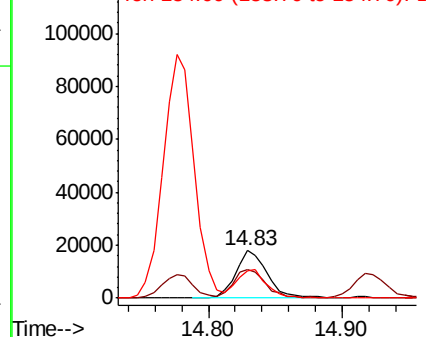
154 58.3 41.8 62.6

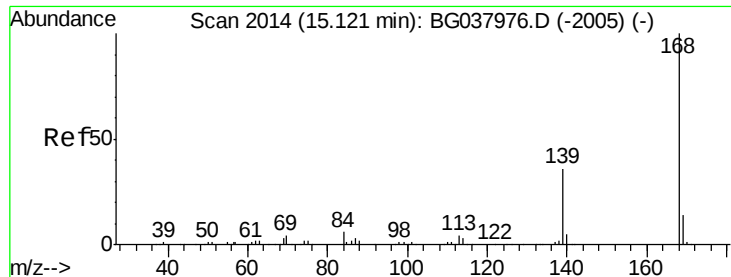


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

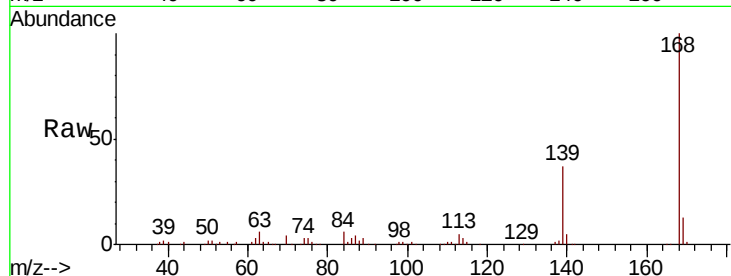




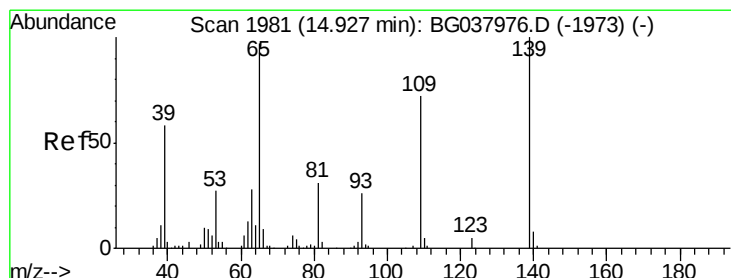
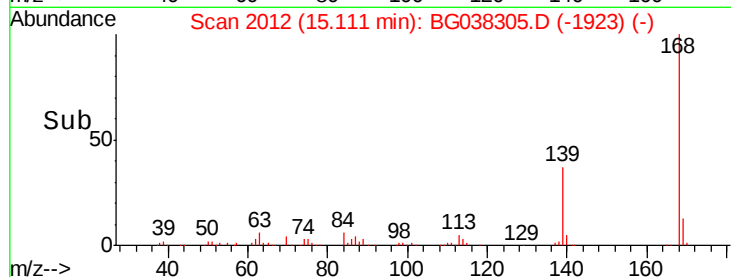
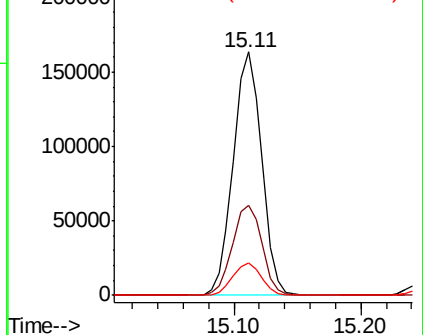
#55  
Dibenzofuran  
Concen: 40.453 ng  
RT: 15.11 min Scan# 2012  
Delta R.T. -0.01 min  
Lab File: BG038305.D  
Acq: 3 Dec 2018 18:22

Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

Tgt Ion:168 Resp: 253147  
Ion Ratio Lower Upper  
168 100  
139 37.2 29.4 44.0  
169 13.3 11.0 16.6

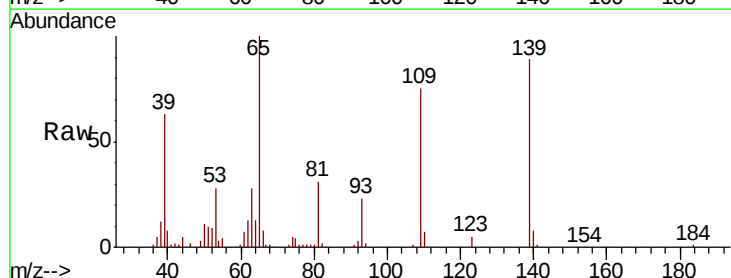


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

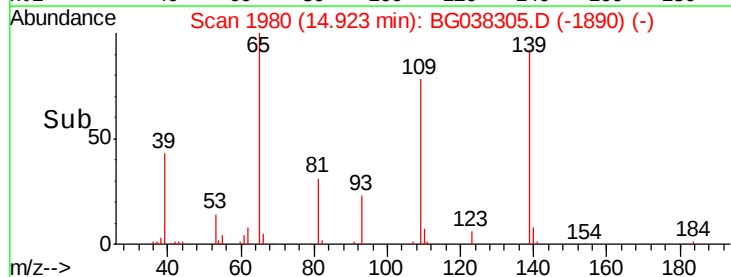
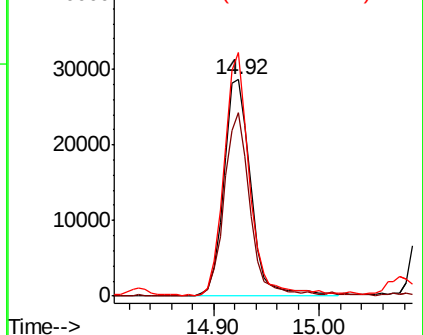


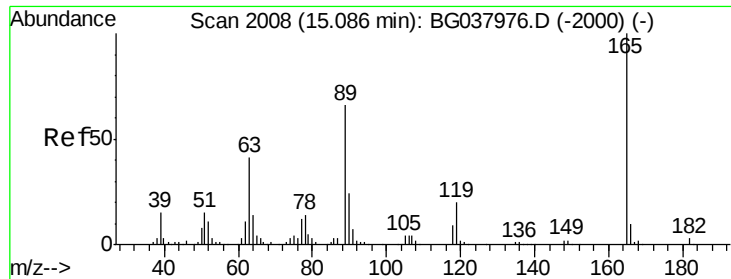
#56  
4-Nitrophenol  
Concen: 50.958 ng  
RT: 14.92 min Scan# 1980  
Delta R.T. -0.00 min  
Lab File: BG038305.D  
Acq: 3 Dec 2018 18:22

Tgt Ion:139 Resp: 50740  
Ion Ratio Lower Upper  
139 100  
109 84.7 49.5 89.5  
65 112.5 76.8 116.8



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

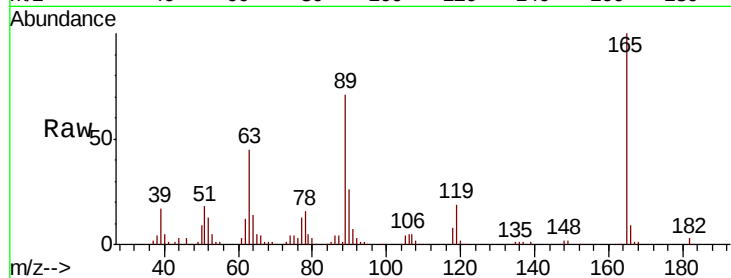




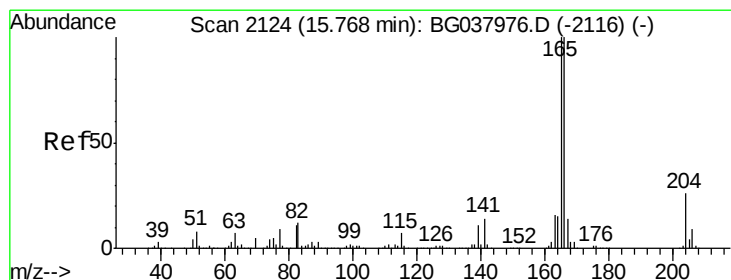
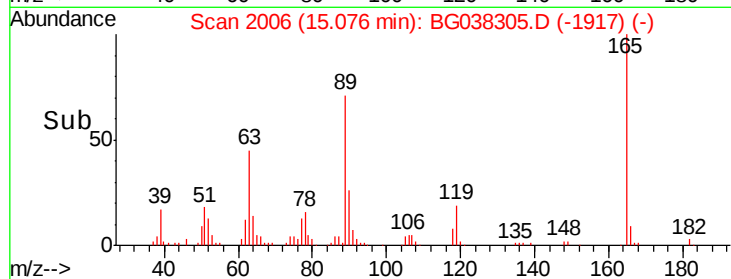
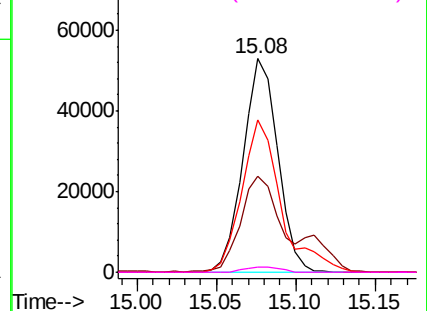
#57  
 2,4-Dinitrotoluene  
 Concen: 50.542 ng  
 RT: 15.08 min Scan# 2006  
 Delta R.T. -0.01 min  
 Lab File: BG038305.D  
 Acq: 3 Dec 2018 18:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 80457 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 45.0  | 33.4  | 50.0  |
| 89       | 71.3  | 57.2  | 85.8  |
| 182      | 2.7   | 2.6   | 4.0   |

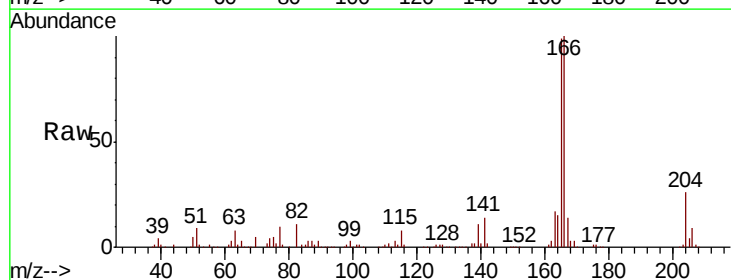


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 89.00 (88.70 to 89.70): BGC  
 Ion 182.00 (181.70 to 182.70): E

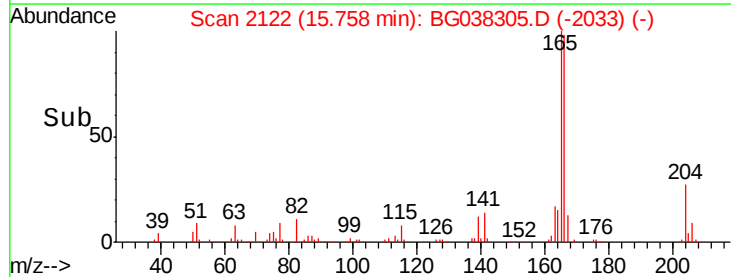
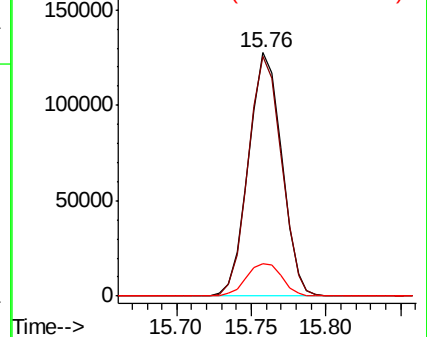


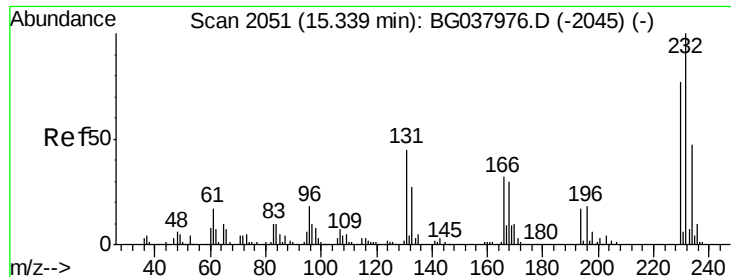
#58  
 Fluorene  
 Concen: 42.080 ng  
 RT: 15.76 min Scan# 2122  
 Delta R.T. -0.01 min  
 Lab File: BG038305.D  
 Acq: 3 Dec 2018 18:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 166   | Resp: | 196474 |
| Ion      | Ratio | Lower | Upper  |
| 166      | 100   |       |        |
| 165      | 98.7  | 79.0  | 118.6  |
| 167      | 13.6  | 11.3  | 16.9   |



Abundance Ion 166.00 (165.70 to 166.70): E  
 Ion 165.00 (164.70 to 165.70): E  
 Ion 167.00 (166.70 to 167.70): E

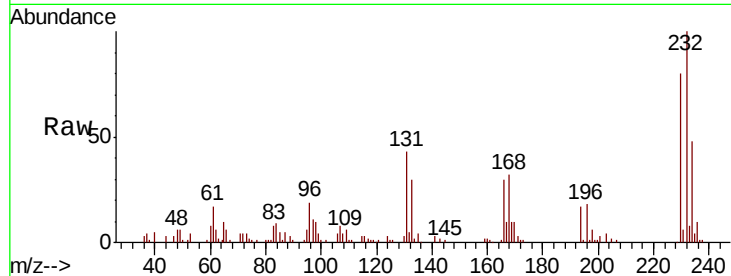




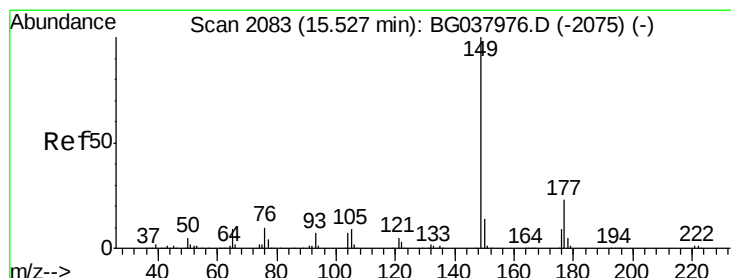
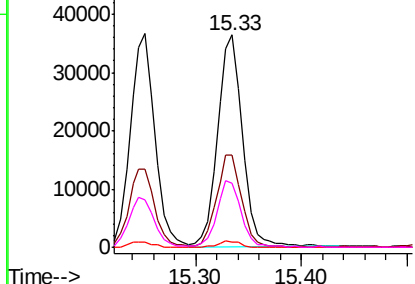
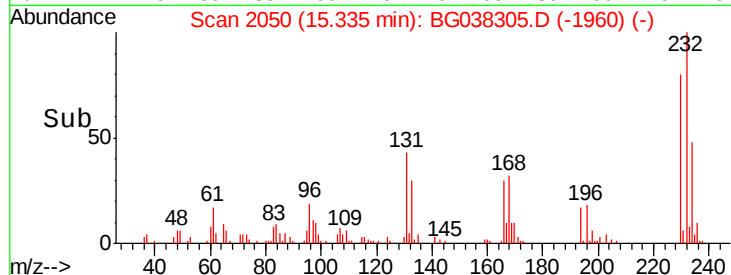
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 45.582 ng  
RT: 15.33 min Scan# 2050  
Delta R.T. -0.00 min  
Lab File: BG038305.D  
Acq: 3 Dec 2018 18:22

Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

Tgt Ion: 232 Resp: 59589  
Ion Ratio Lower Upper  
232 100  
131 44.3 33.7 50.5  
130 2.6 2.1 3.1  
166 30.9 24.6 36.8

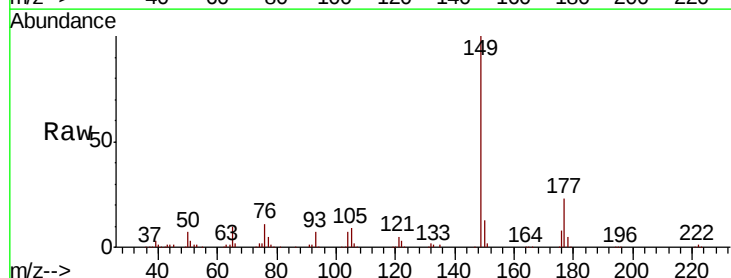


Abundance Ion 232.00 (231.70 to 232.70): E  
Ion 131.00 (130.70 to 131.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 166.00 (165.70 to 166.70): E

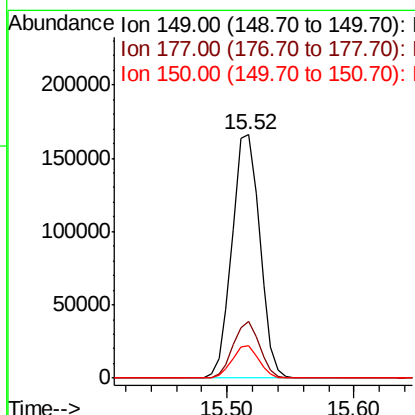
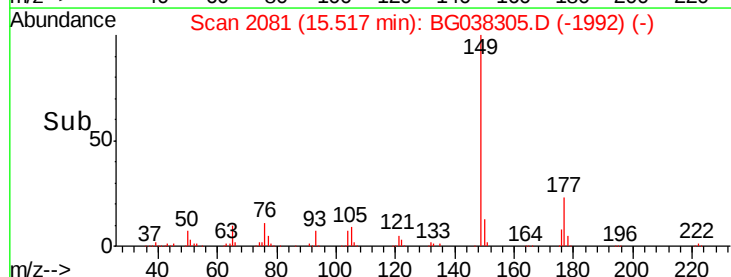


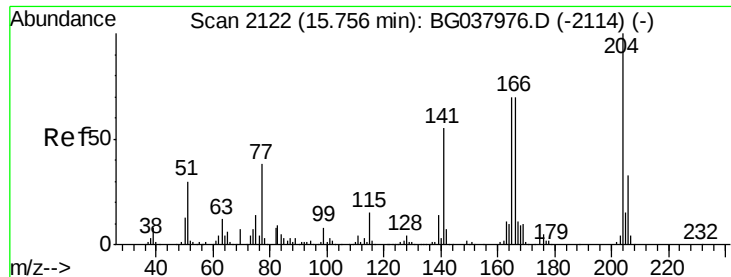
#60  
Diethylphthalate  
Concen: 45.752 ng  
RT: 15.52 min Scan# 2081  
Delta R.T. -0.01 min  
Lab File: BG038305.D  
Acq: 3 Dec 2018 18:22

Tgt Ion: 149 Resp: 251215  
Ion Ratio Lower Upper  
149 100  
177 23.1 18.3 27.5  
150 13.3 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

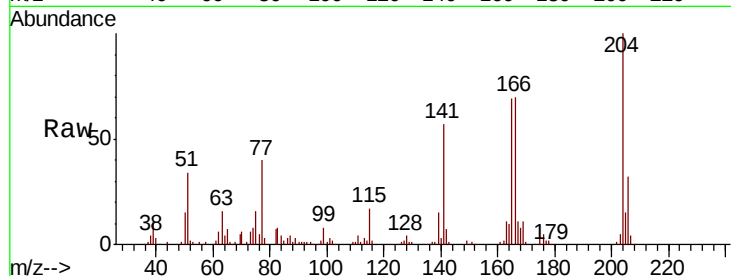




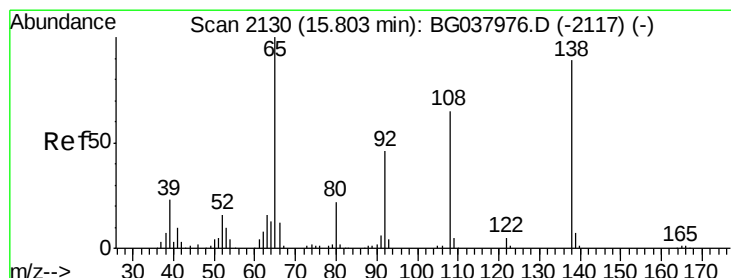
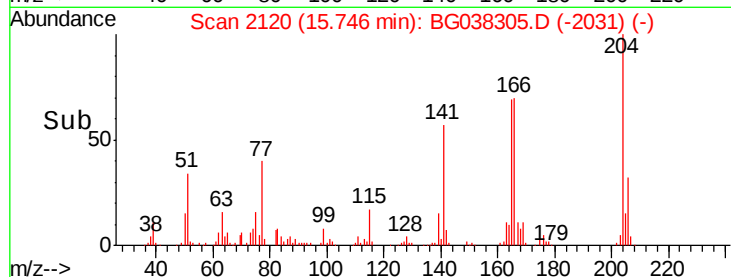
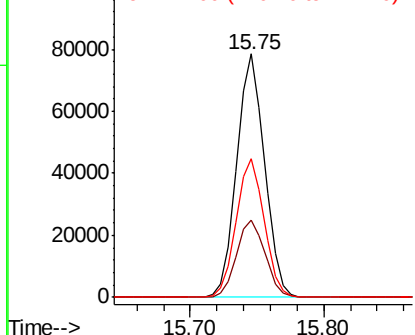
#61  
 4-Chlorophenyl-phenylether  
 Concen: 41.500 ng  
 RT: 15.75 min Scan# 2120  
 Delta R.T. -0.01 min  
 Lab File: BG038305.D  
 Acq: 3 Dec 2018 18:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Tgt Ion: 204 Resp: 113380  
 Ion Ratio Lower Upper  
 204 100  
 206 32.0 26.6 39.8  
 141 57.0 45.4 68.2

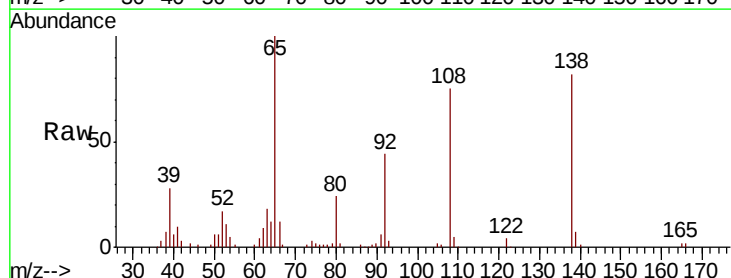


Abundance Ion 204.00 (203.70 to 204.70): E  
 Ion 206.00 (205.70 to 206.70): E  
 Ion 141.00 (140.70 to 141.70): E

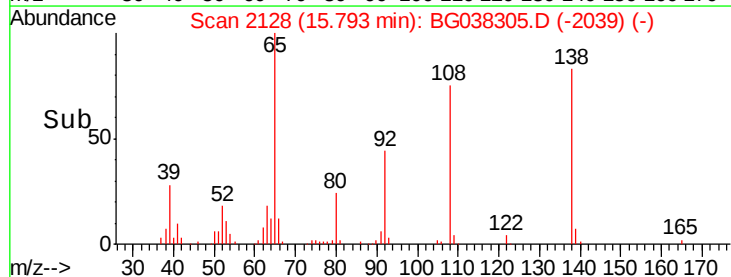
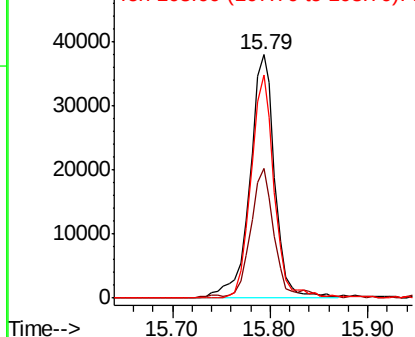


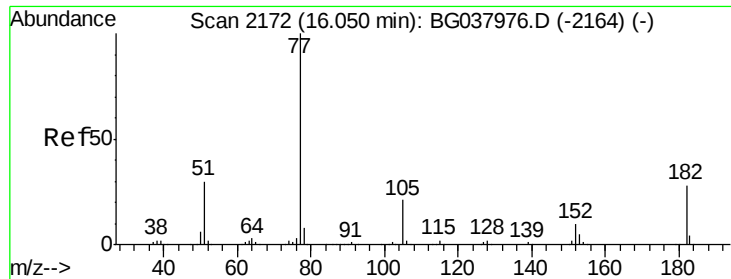
#62  
 4-Nitroaniline  
 Concen: 52.959 ng  
 RT: 15.79 min Scan# 2128  
 Delta R.T. -0.01 min  
 Lab File: BG038305.D  
 Acq: 3 Dec 2018 18:22

Tgt Ion: 138 Resp: 67922  
 Ion Ratio Lower Upper  
 138 100  
 92 53.4 36.4 76.4  
 108 91.4 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: 44.691 ng

RT: 16.04 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 219405

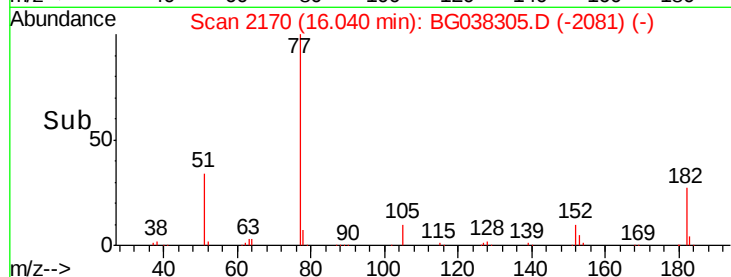
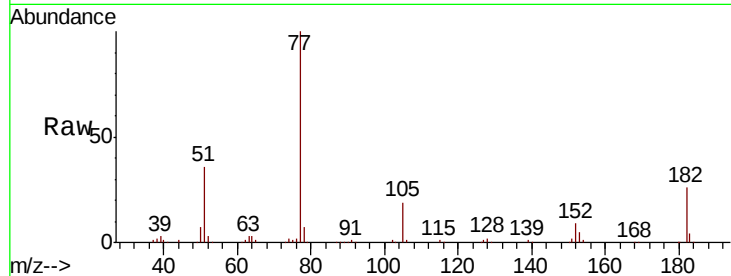
Ion Ratio Lower Upper

77 100

182 25.8 8.0 48.0

105 19.3 1.3 41.3

51 35.6 10.7 50.7

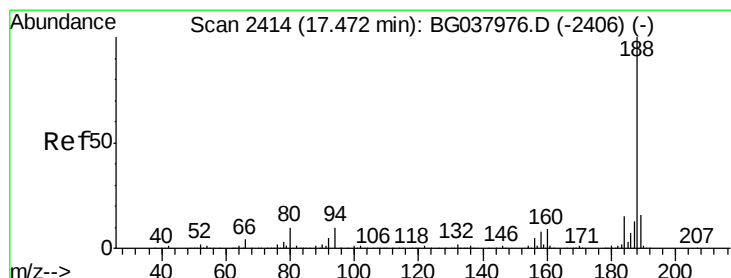
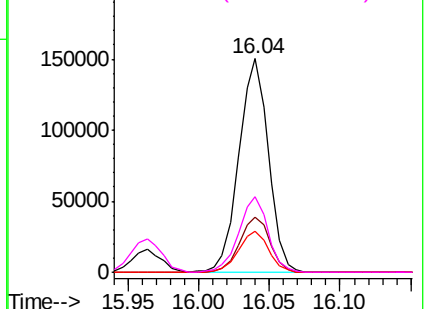


Abundance Ion 77.00 (76.70 to 77.70): BGC

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: 17.46 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

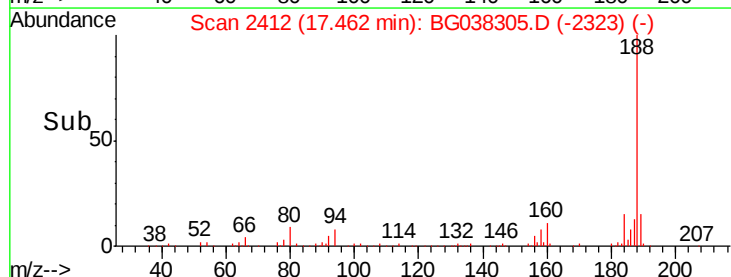
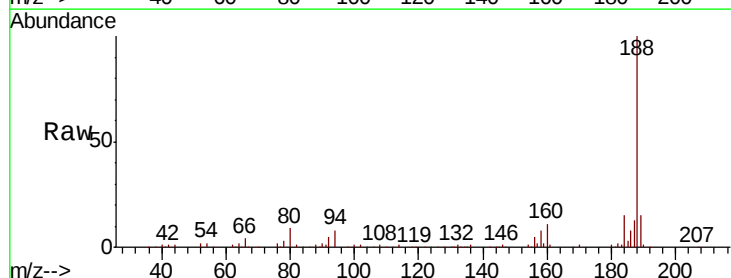
Tgt Ion: 188 Resp: 192523

Ion Ratio Lower Upper

188 100

94 8.1 7.2 10.8

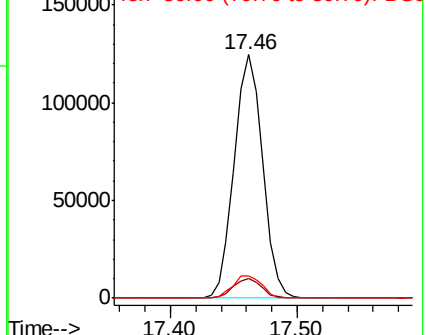
80 9.1 7.7 11.5

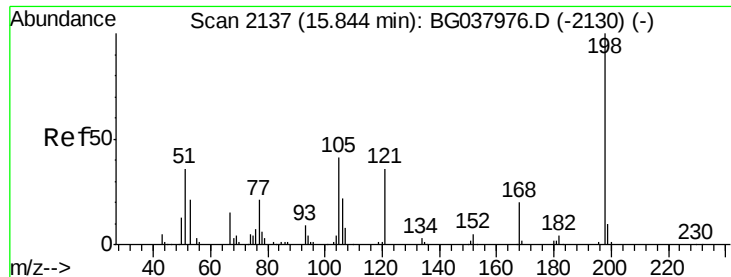


Abundance Ion 188.00 (187.70 to 188.70): BGC

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: 43.673 ng

RT: 15.83 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

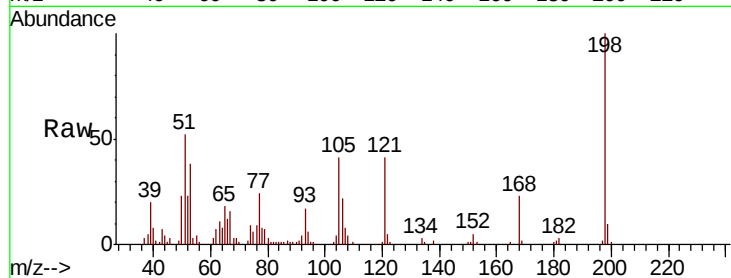
Tgt Ion:198 Resp: 53181

Ion Ratio Lower Upper

198 100

51 51.6 22.7 62.7

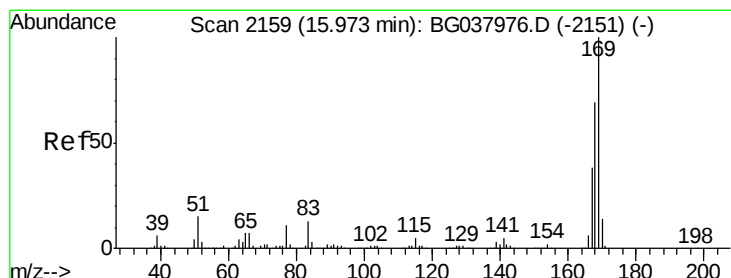
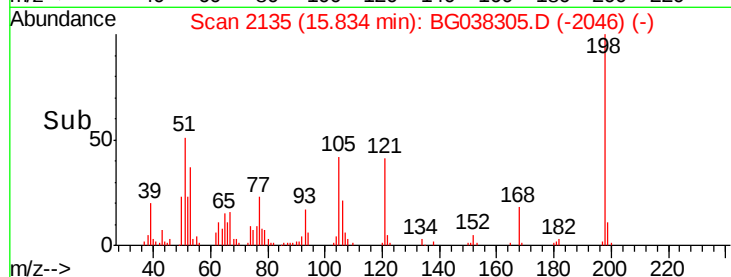
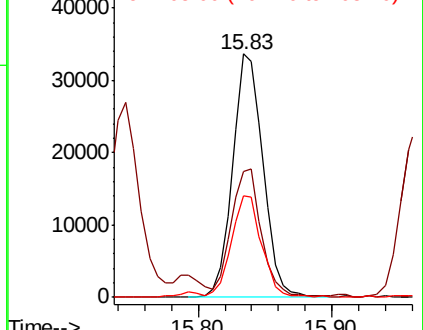
105 41.5 19.7 59.7



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: 34.810 ng

RT: 15.96 min Scan# 2157

Delta R.T. -0.01 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

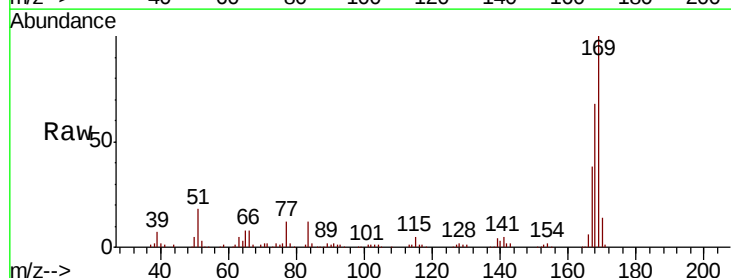
Tgt Ion:169 Resp: 202746

Ion Ratio Lower Upper

169 100

168 68.4 55.7 83.5

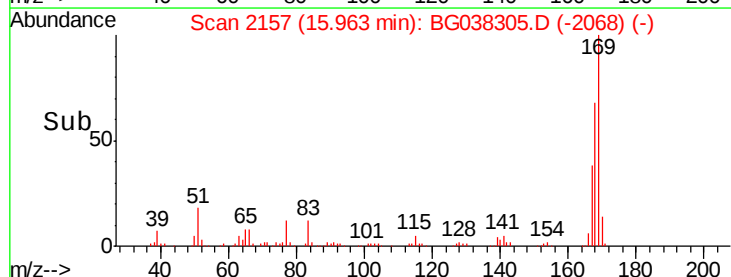
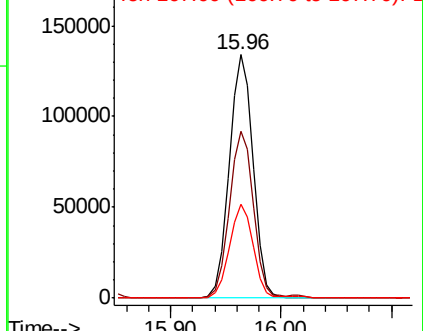
167 38.5 31.3 46.9

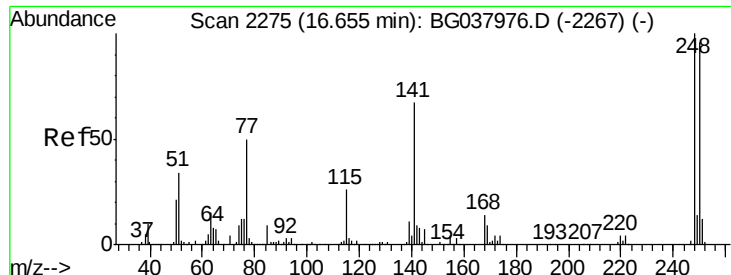


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

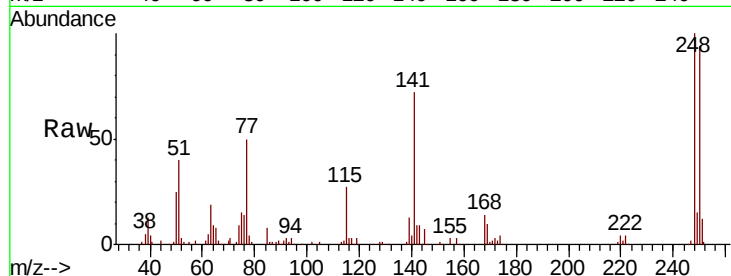




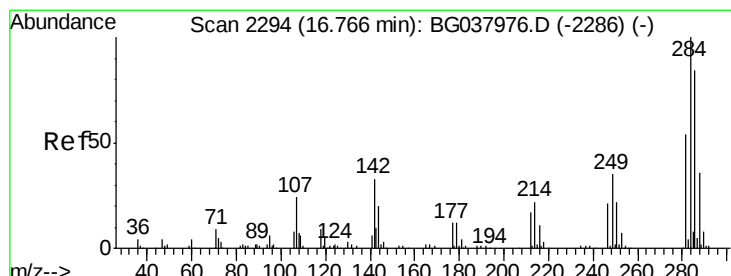
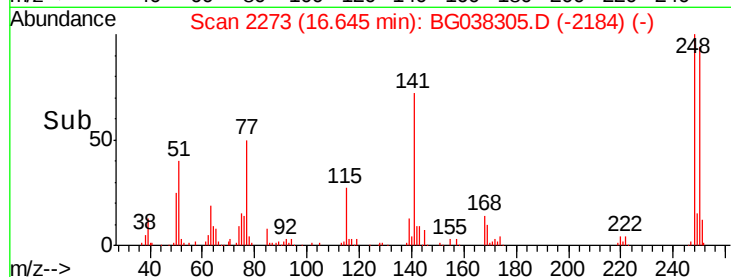
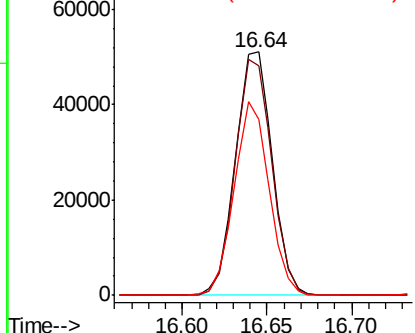
#67  
 4-Bromophenyl-phenylether  
 Concen: 36.690 ng  
 RT: 16.64 min Scan# 2273  
 Delta R.T. -0.01 min  
 Lab File: BG038305.D  
 Acq: 3 Dec 2018 18:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Tgt Ion: 248 Resp: 77530  
 Ion Ratio Lower Upper  
 248 100  
 250 94.3 77.0 115.6  
 141 72.4 55.5 83.3

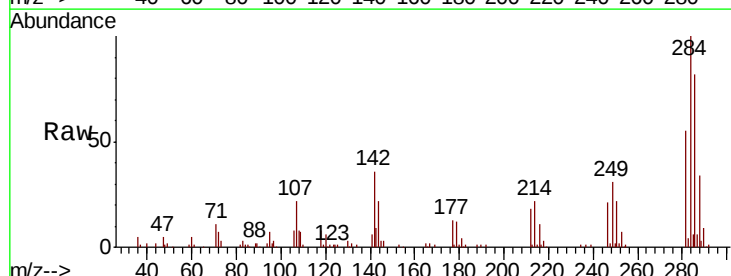


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

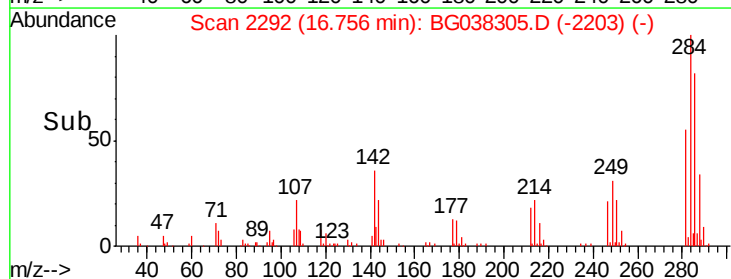
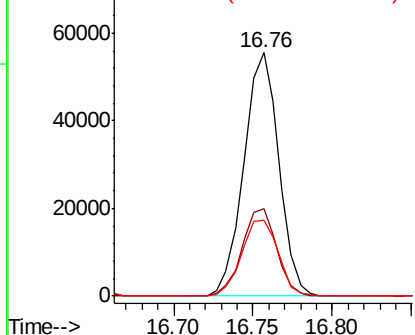


#68  
 Hexachlorobenzene  
 Concen: 38.998 ng  
 RT: 16.76 min Scan# 2292  
 Delta R.T. -0.01 min  
 Lab File: BG038305.D  
 Acq: 3 Dec 2018 18:22

Tgt Ion: 284 Resp: 85060  
 Ion Ratio Lower Upper  
 284 100  
 142 35.7 28.1 42.1  
 249 33.6 29.8 44.8



Abundance Ion 283.80 (283.50 to 284.50): E  
 Ion 142.00 (141.70 to 142.70): E  
 Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 42.028 ng

RT: 16.90 min Scan# 2317

Delta R.T. -0.01 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

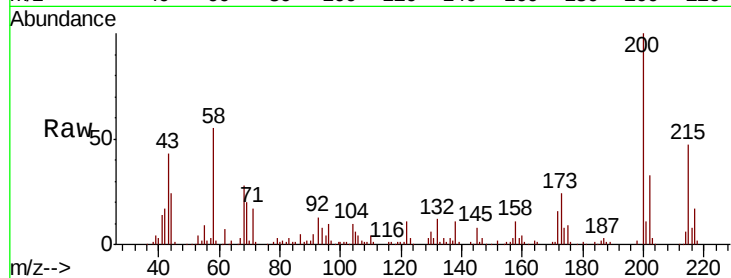
Tgt Ion:200 Resp: 90237

Ion Ratio Lower Upper

200 100

173 24.1 6.1 46.1

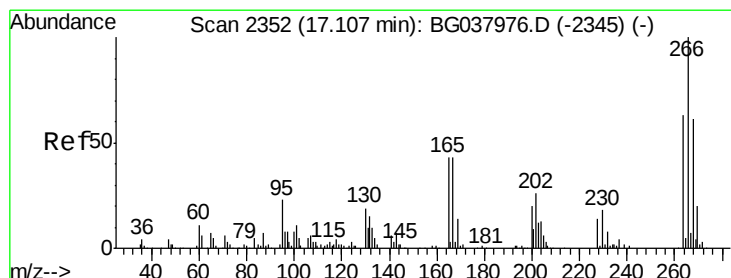
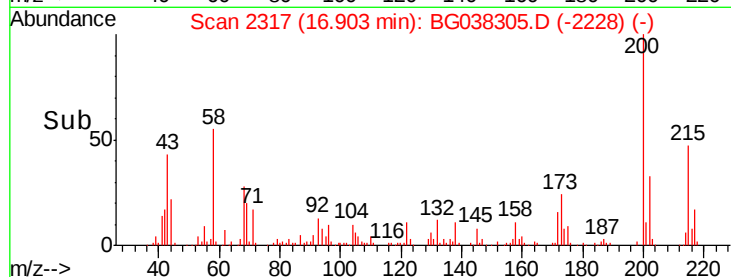
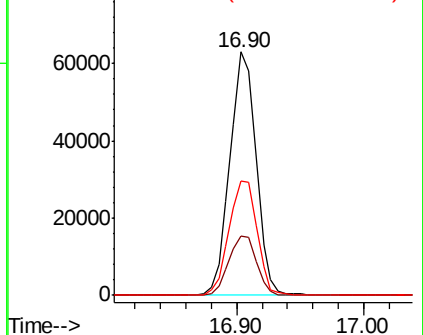
215 47.2 30.8 70.8



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 41.446 ng

RT: 17.10 min Scan# 2351

Delta R.T. -0.00 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

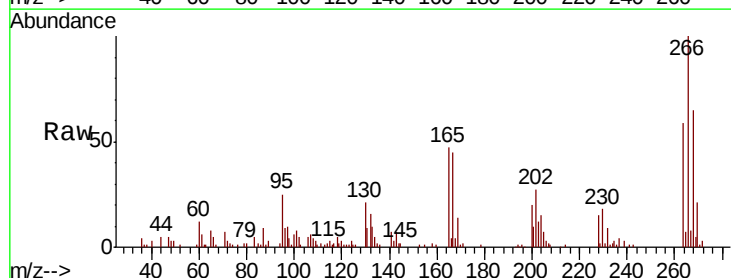
Tgt Ion:266 Resp: 61397

Ion Ratio Lower Upper

266 100

268 69.6 55.0 82.6

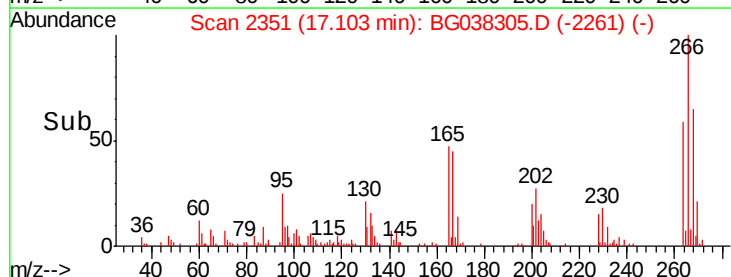
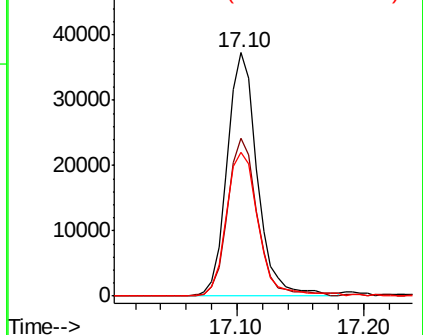
264 65.8 58.9 88.3

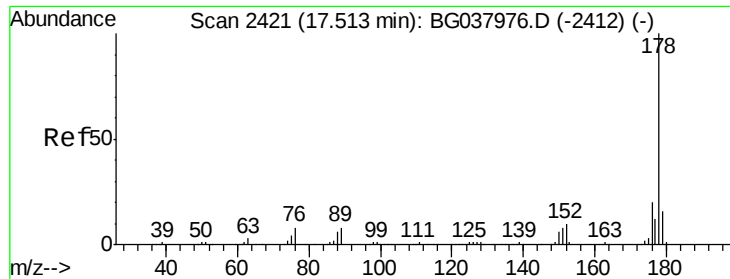


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

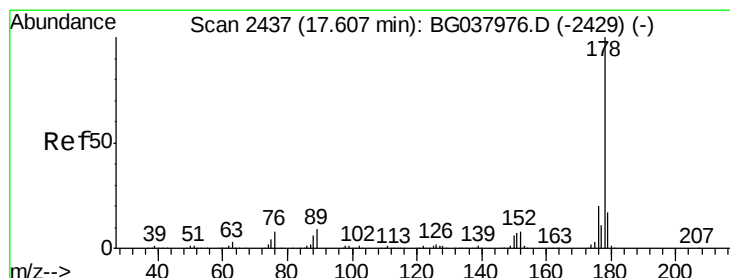
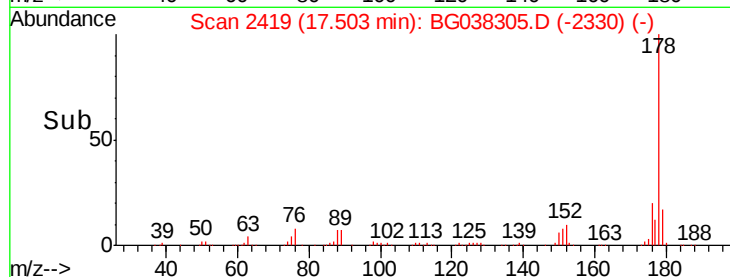
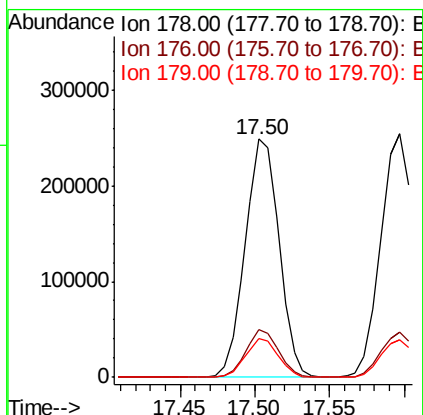
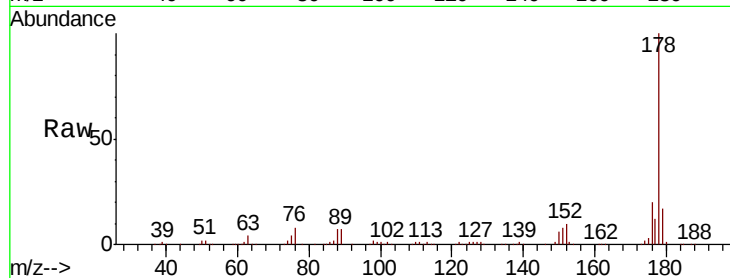




#71  
Phenanthrene  
Concen: 39.708 ng  
RT: 17.50 min Scan# 2419  
Delta R.T. -0.01 min  
Lab File: BG038305.D  
Acq: 3 Dec 2018 18:22

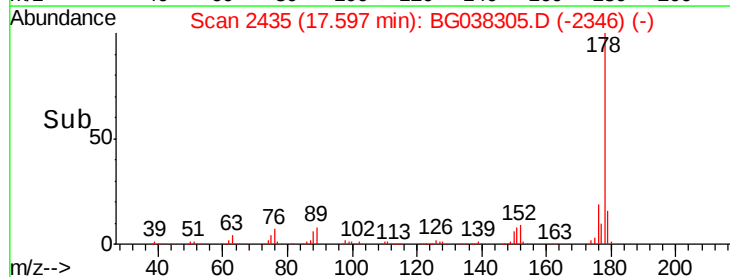
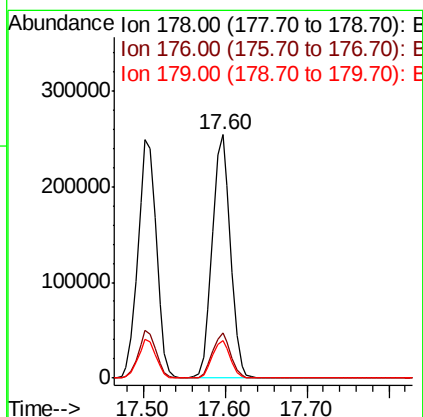
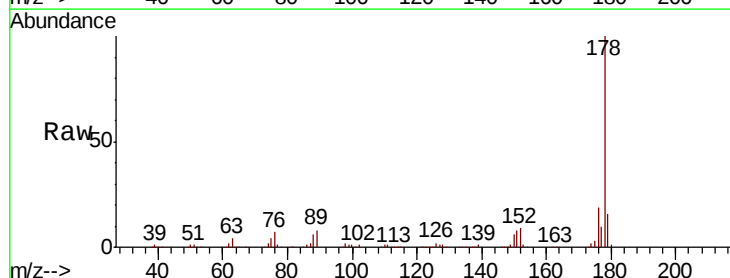
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

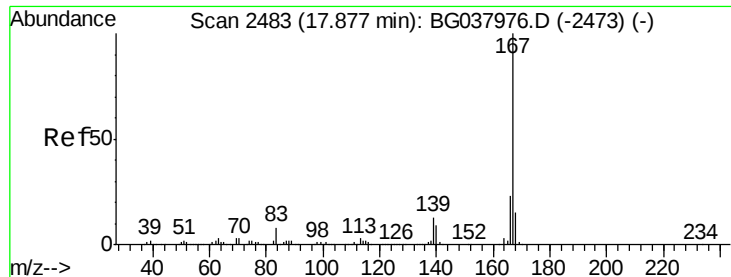
Tgt Ion:178 Resp: 391400  
Ion Ratio Lower Upper  
178 100  
176 20.0 16.1 24.1  
179 16.5 13.0 19.4



#72  
Anthracene  
Concen: 40.564 ng  
RT: 17.60 min Scan# 2435  
Delta R.T. -0.01 min  
Lab File: BG038305.D  
Acq: 3 Dec 2018 18:22

Tgt Ion:178 Resp: 394131  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.0 22.4  
179 15.7 12.8 19.2

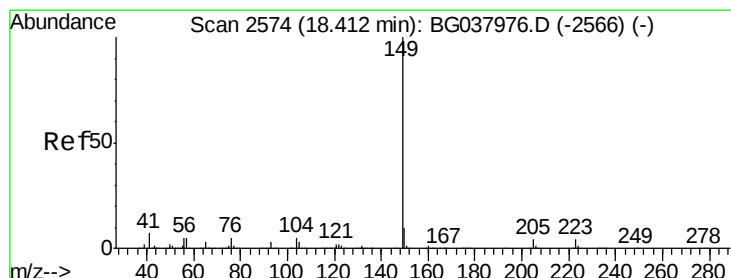
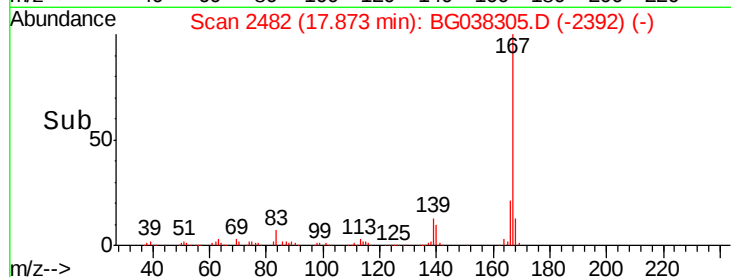
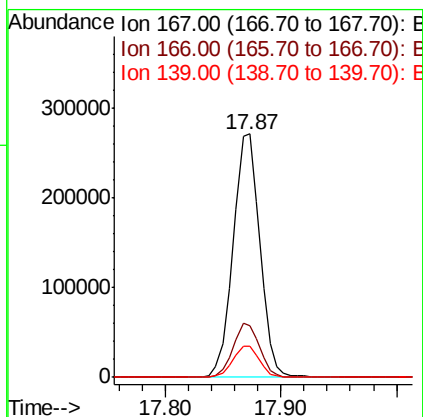
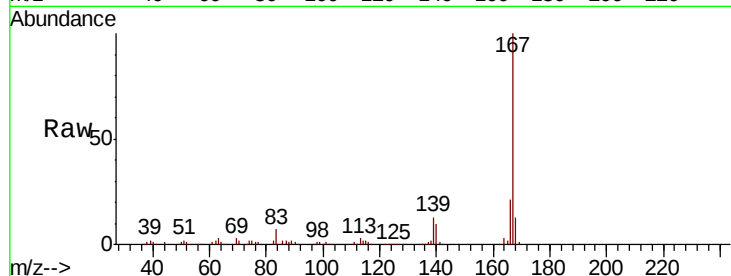




#73  
 Carbazole  
 Concen: 44.611 ng  
 RT: 17.87 min Scan# 2482  
 Delta R.T. -0.00 min  
 Lab File: BG038305.D  
 Acq: 3 Dec 2018 18:22

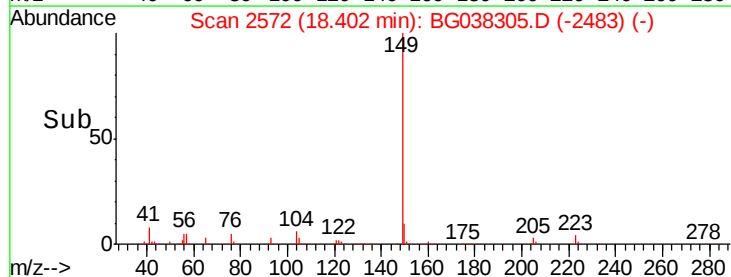
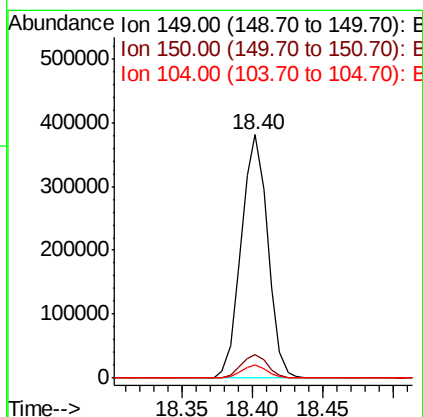
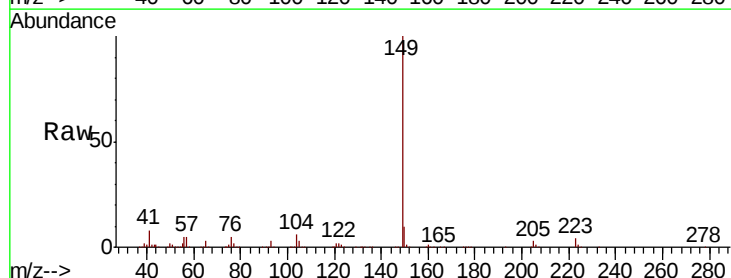
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

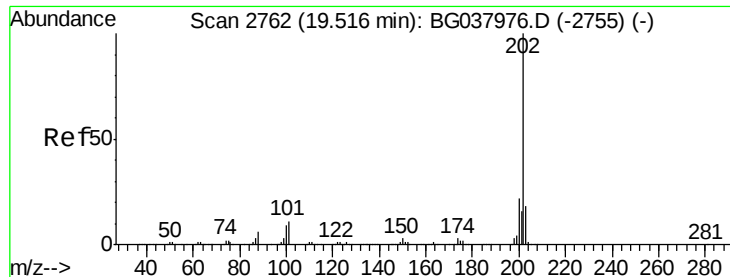
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.2  | 18.3  | 27.5  |
| 139     | 12.7  | 10.5  | 15.7  |



#74  
 Di-n-butylphthalate  
 Concen: 45.779 ng  
 RT: 18.40 min Scan# 2572  
 Delta R.T. -0.01 min  
 Lab File: BG038305.D  
 Acq: 3 Dec 2018 18:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.9   | 8.2   | 12.2  |
| 104     | 5.5   | 4.0   | 6.0   |





#75

Fluoranthene

Concen: 47.377 ng

RT: 19.51 min Scan# 2761

Delta R.T. -0.00 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

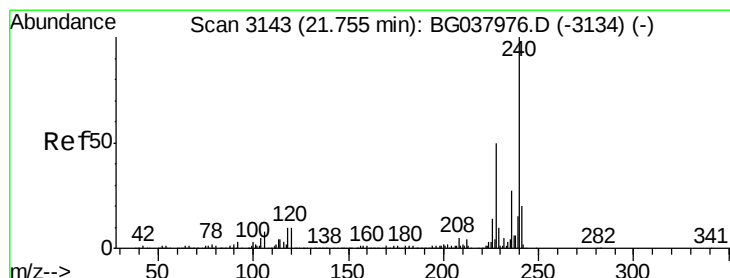
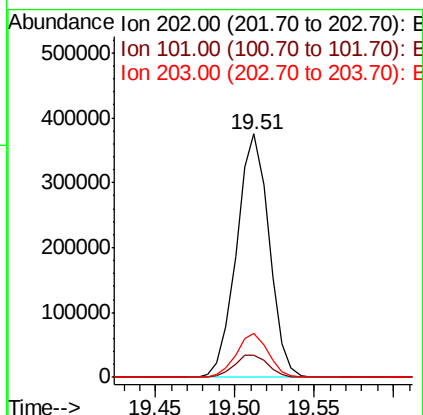
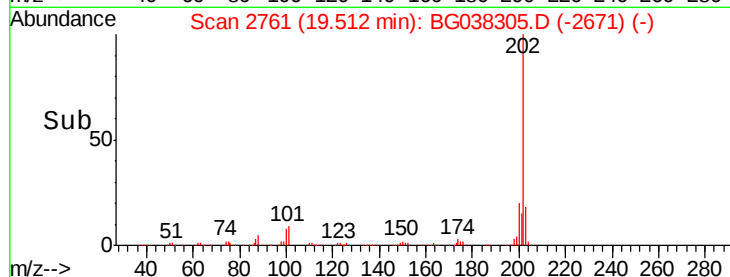
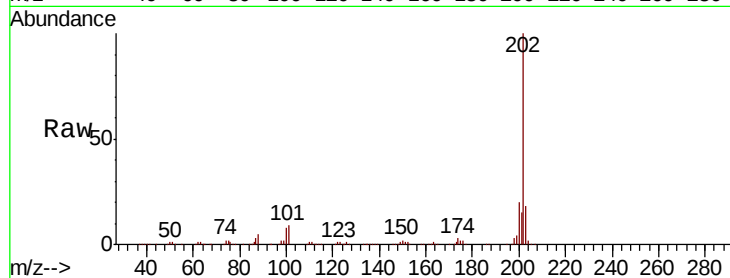
Tgt Ion:202 Resp: 532804

Ion Ratio Lower Upper

202 100

101 8.9 0.0 30.7

203 17.9 0.0 38.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.75 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

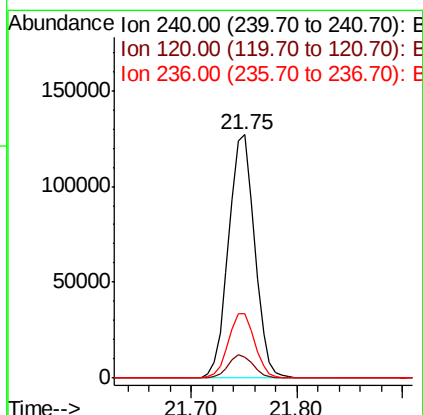
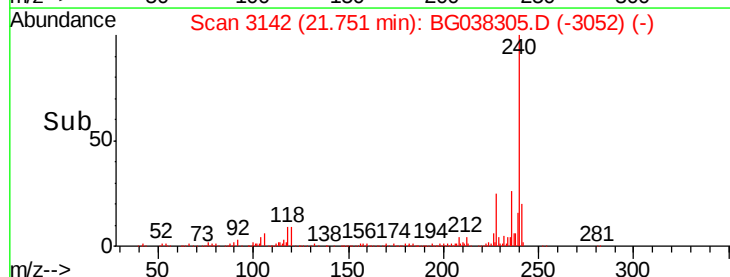
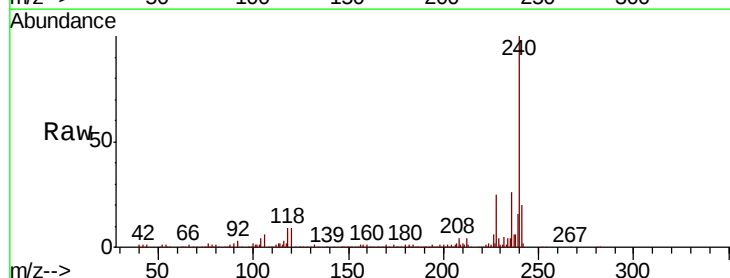
Tgt Ion:240 Resp: 216694

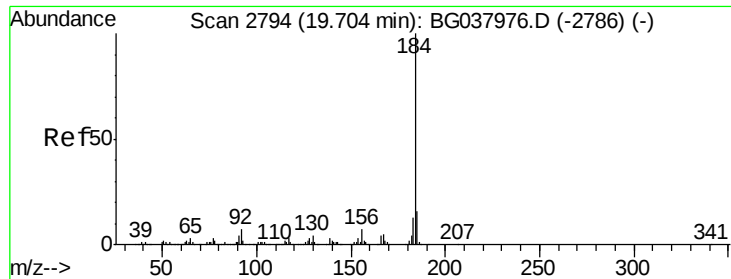
Ion Ratio Lower Upper

240 100

120 8.8 8.1 12.1

236 26.4 21.4 32.0





#77

Benzidine

Concen: 35.726 ng

RT: 19.69 min Scan# 2792

Delta R.T. -0.01 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

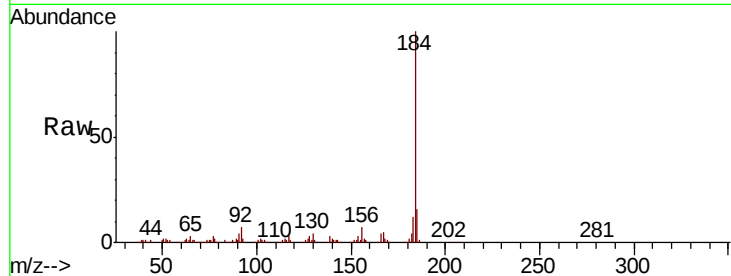
Tgt Ion:184 Resp: 271646

Ion Ratio Lower Upper

184 100

185 15.8 12.6 18.8

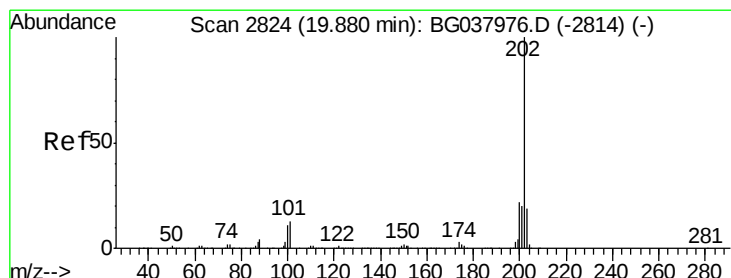
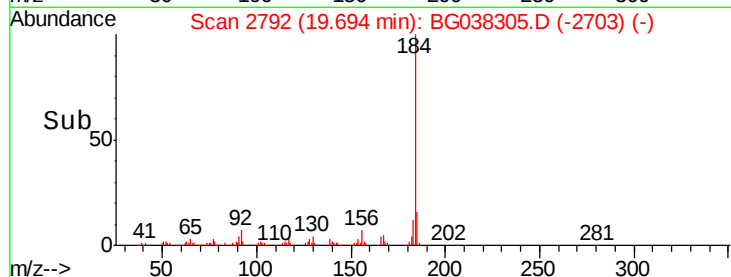
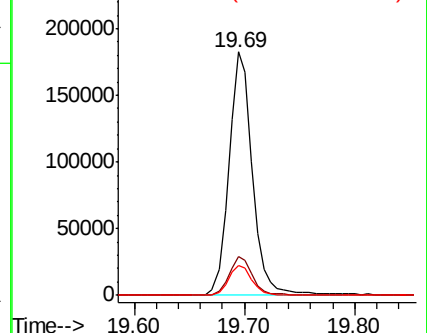
183 12.4 10.2 15.2



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: 38.386 ng

RT: 19.88 min Scan# 2823

Delta R.T. -0.00 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

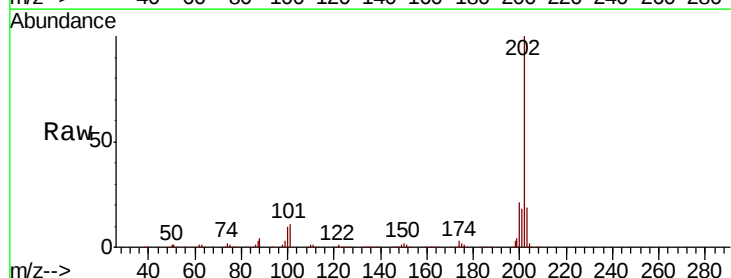
Tgt Ion:202 Resp: 543838

Ion Ratio Lower Upper

202 100

200 21.4 17.8 26.6

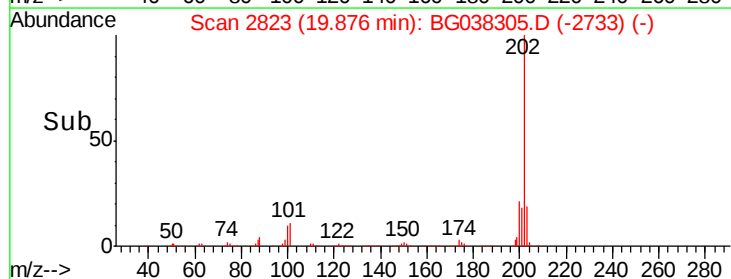
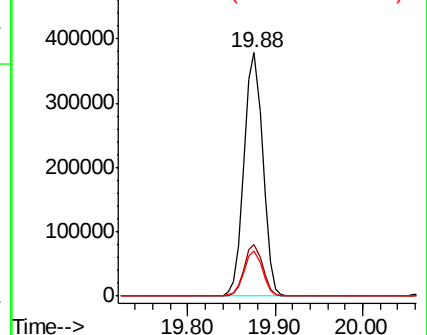
203 18.7 15.2 22.8



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: 81.044 ng

RT: 20.06 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

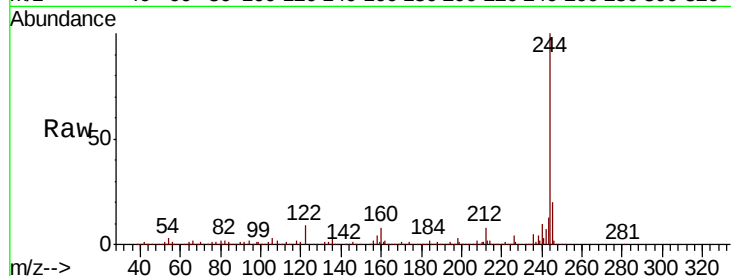
Tgt Ion:244 Resp: 746355

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

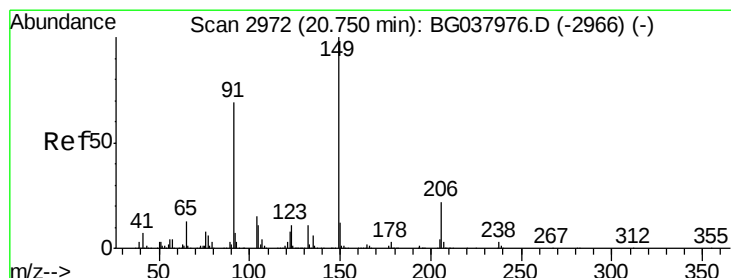
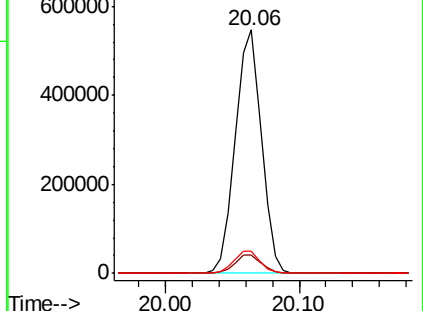
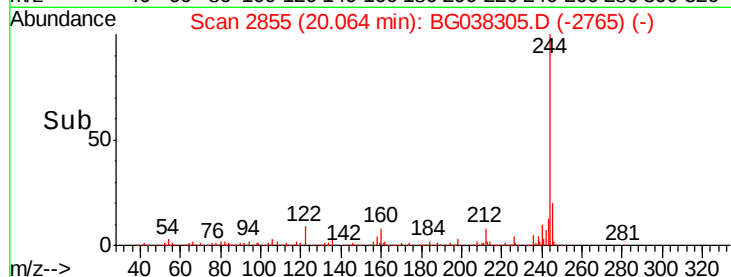
122 9.1 9.0 13.4



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: 39.756 ng

RT: 20.75 min Scan# 2971

Delta R.T. -0.00 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

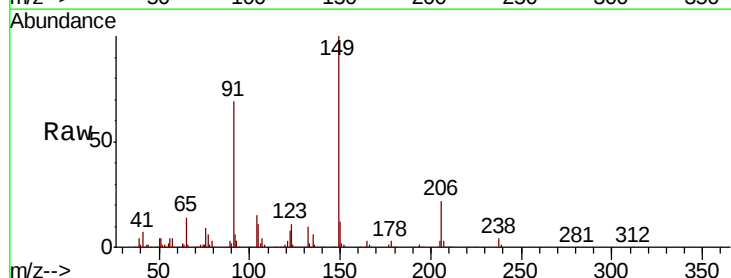
Tgt Ion:149 Resp: 246316

Ion Ratio Lower Upper

149 100

91 69.4 57.0 85.4

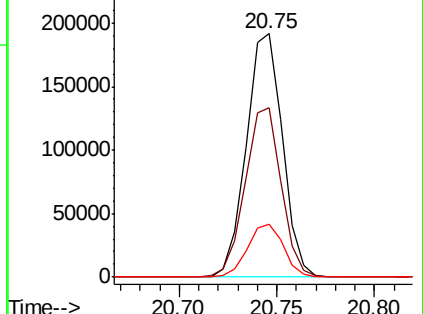
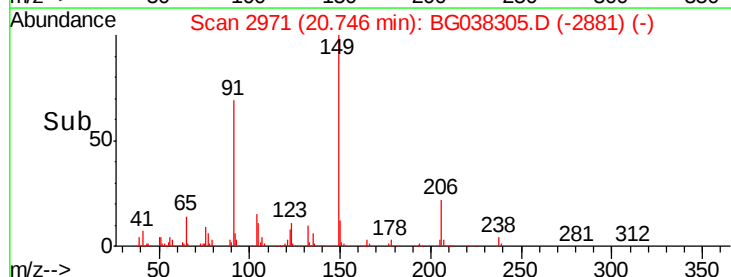
206 21.5 17.8 26.6

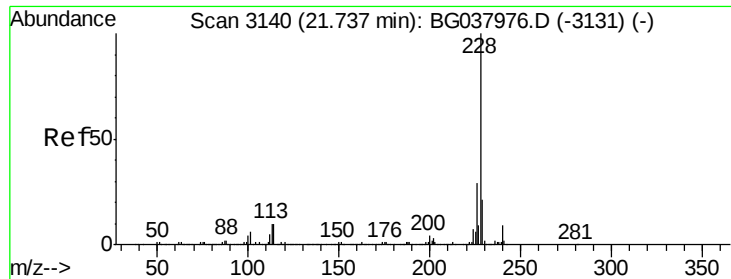


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 40.088 ng

RT: 21.73 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

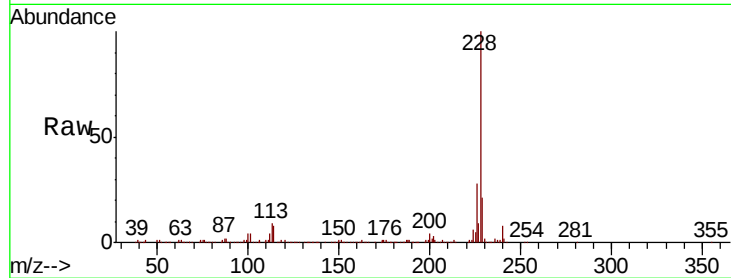
Tgt Ion:228 Resp: 524952

Ion Ratio Lower Upper

228 100

226 28.1 22.6 33.8

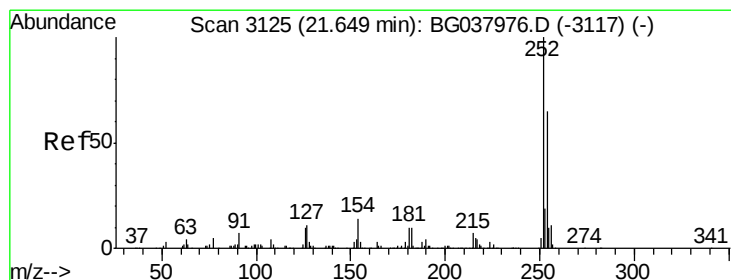
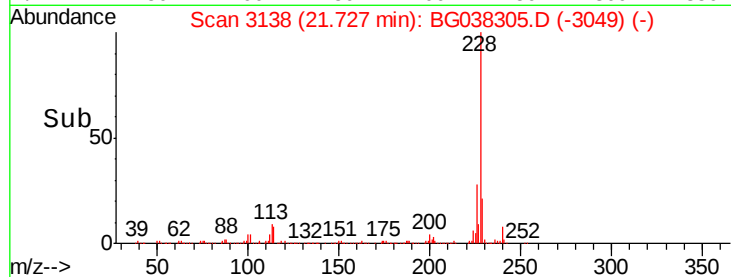
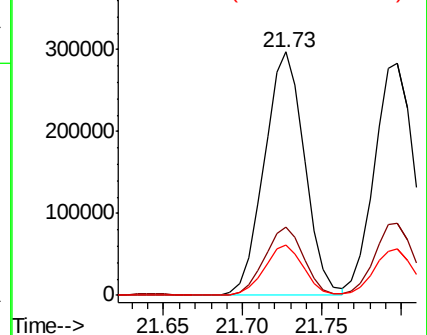
229 20.5 16.3 24.5



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: 39.226 ng

RT: 21.64 min Scan# 3124

Delta R.T. -0.00 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

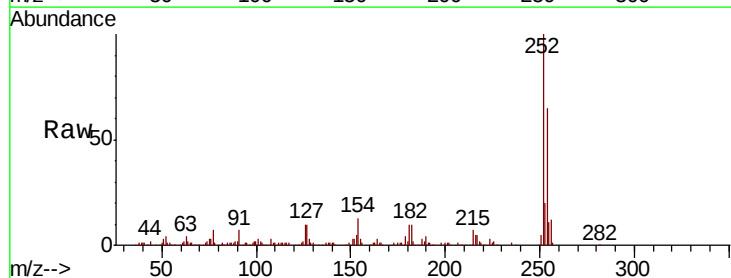
Tgt Ion:252 Resp: 200091

Ion Ratio Lower Upper

252 100

254 64.9 52.0 78.0

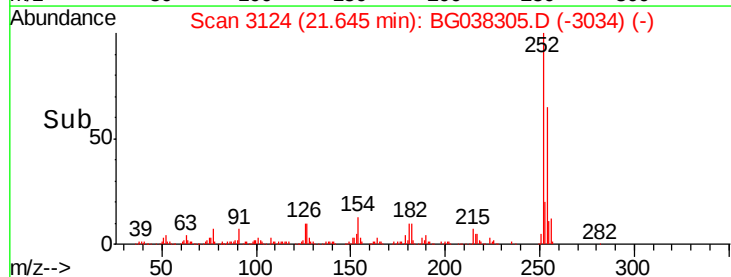
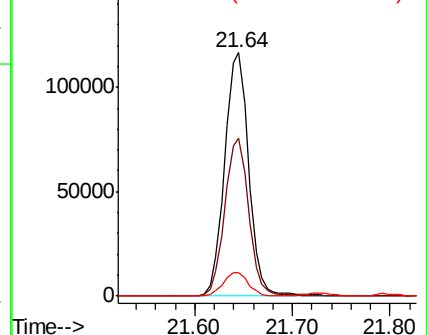
126 9.9 8.2 12.4



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: 39.284 ng

RT: 21.80 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

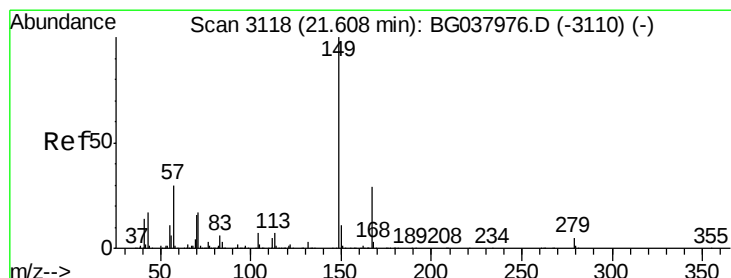
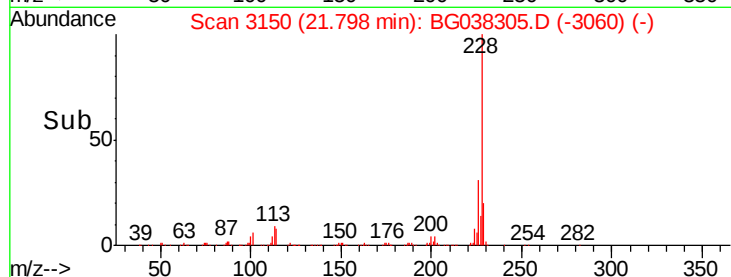
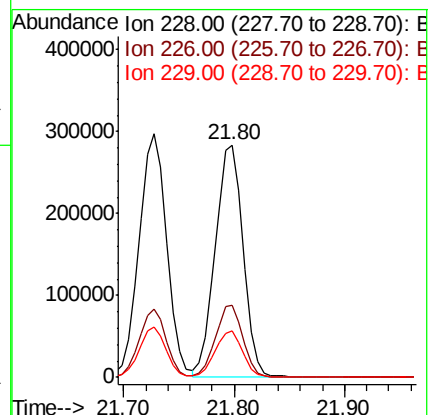
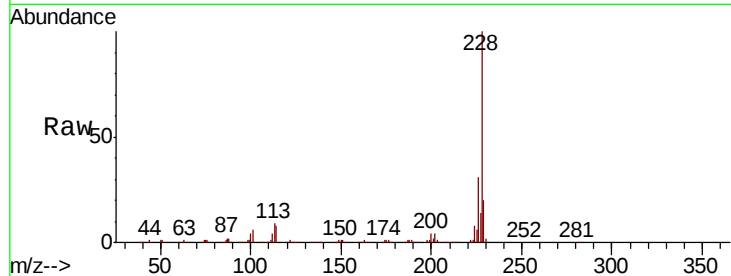
Tgt Ion: 228 Resp: 492199

Ion Ratio Lower Upper

228 100

226 30.8 25.7 38.5

229 19.9 16.5 24.7



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.818 ng

RT: 21.59 min Scan# 3115

Delta R.T. -0.02 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

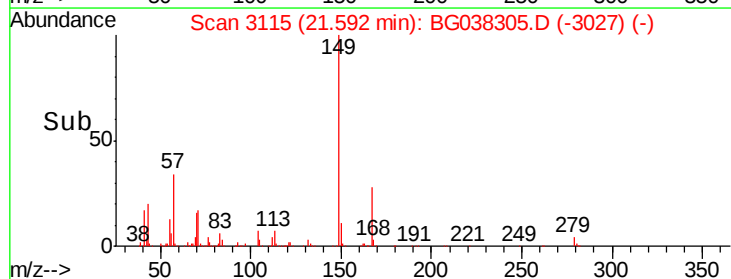
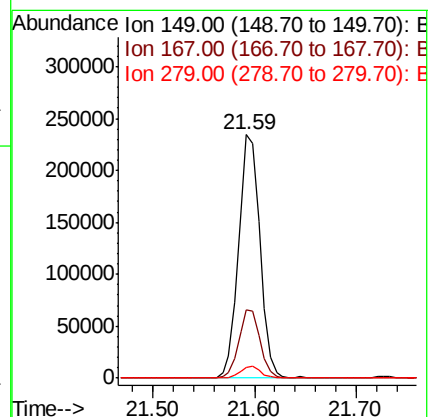
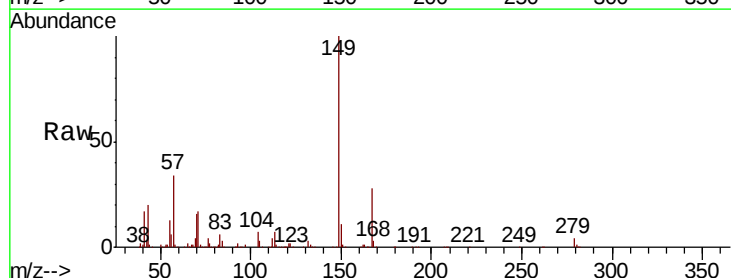
Tgt Ion: 149 Resp: 342985

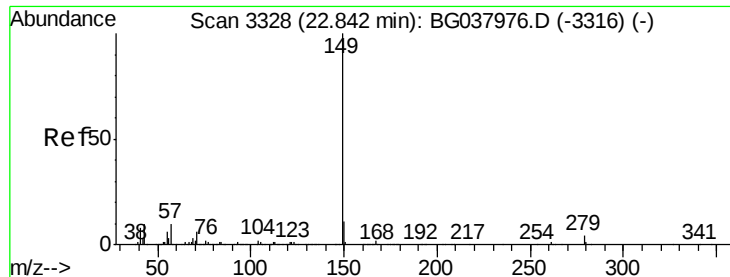
Ion Ratio Lower Upper

149 100

167 28.0 23.0 34.4

279 4.2 3.6 5.4

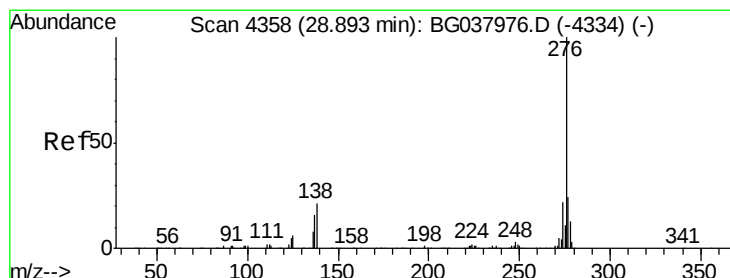
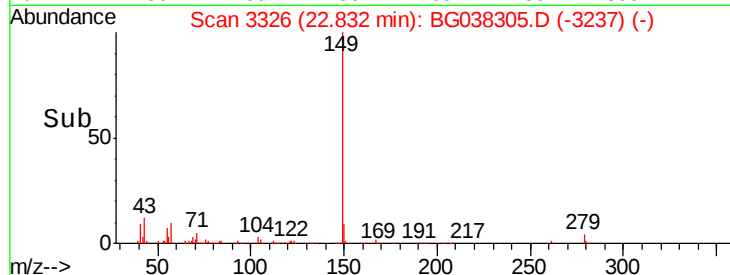
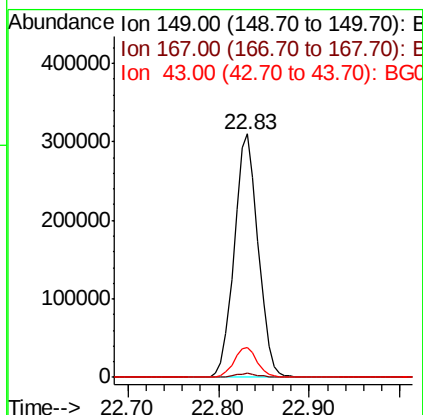
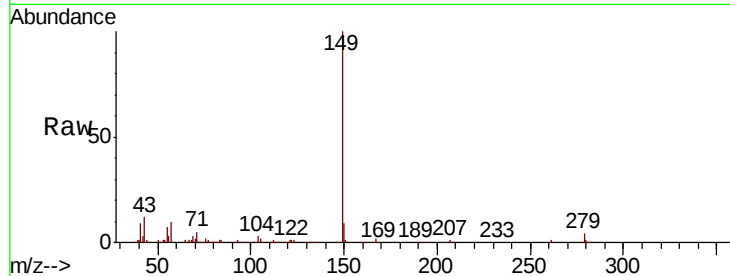




#85  
Di-n-octyl phthalate  
Concen: 39.864 ng  
RT: 22.83 min Scan# 3326  
Delta R.T. -0.01 min  
Lab File: BG038305.D  
Acq: 3 Dec 2018 18:22

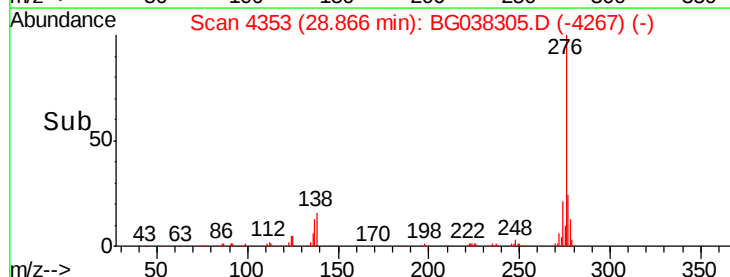
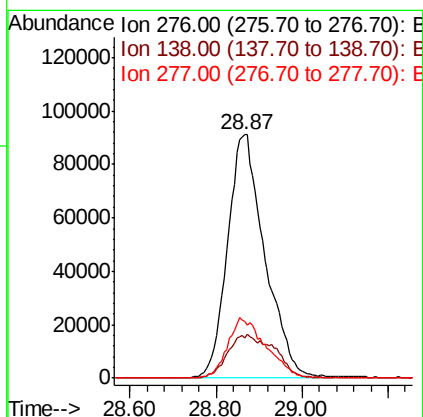
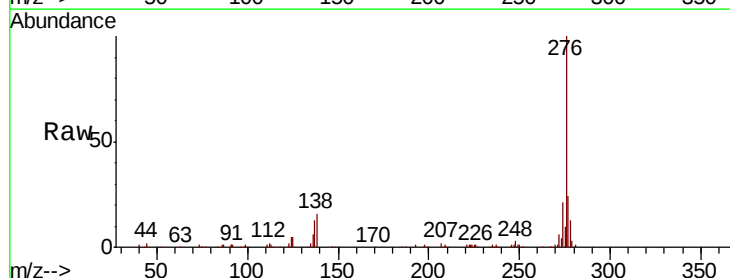
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.5   | 1.3   | 1.9   |
| 43      | 12.1  | 8.7   | 13.1  |



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 39.548 ng  
RT: 28.87 min Scan# 4353  
Delta R.T. -0.03 min  
Lab File: BG038305.D  
Acq: 3 Dec 2018 18:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 8.6   | 12.0  | 18.0# |
| 277     | 25.4  | 20.6  | 30.8  |





#87

Perylene-d12

Concen: 20.000 ng

RT: 25.06 min Scan# 3706

Delta R.T. -0.02 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

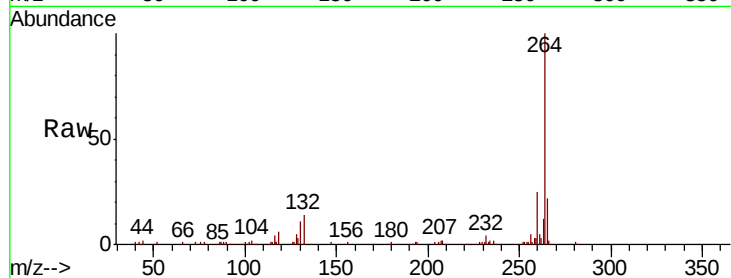
Tgt Ion:264 Resp: 228088

Ion Ratio Lower Upper

264 100

260 25.0 18.2 27.4

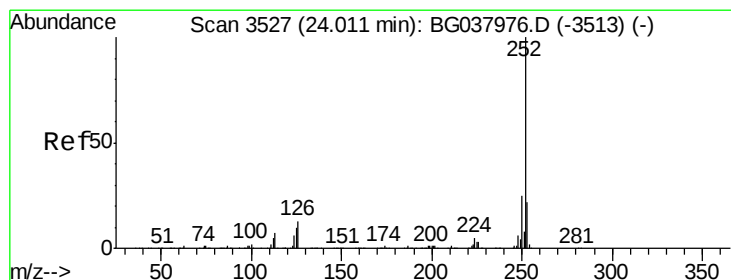
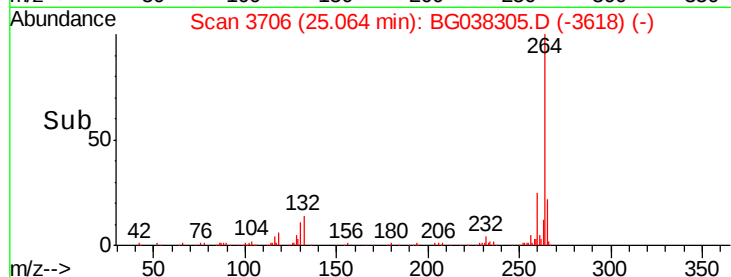
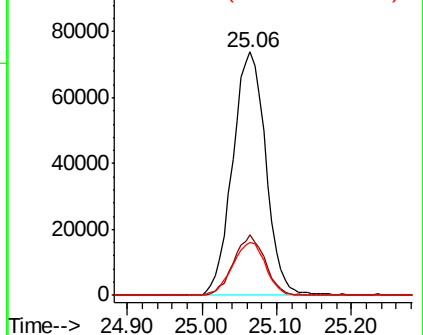
265 22.0 17.9 26.9



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: 40.120 ng

RT: 24.00 min Scan# 3525

Delta R.T. -0.01 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

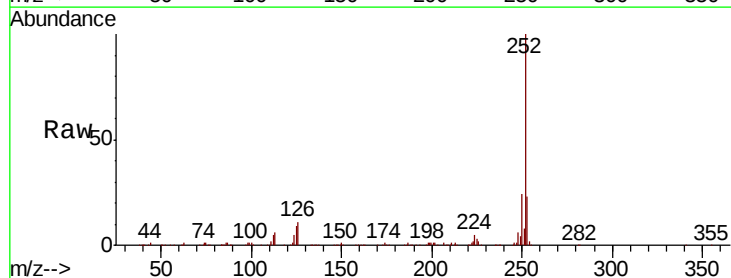
Tgt Ion:252 Resp: 503581

Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.2

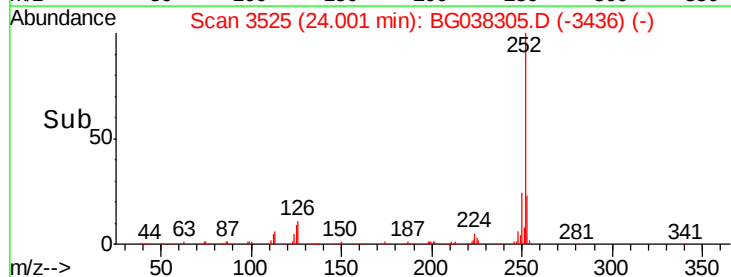
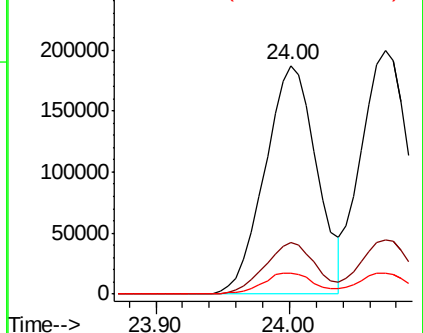
125 9.2 7.8 11.6



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

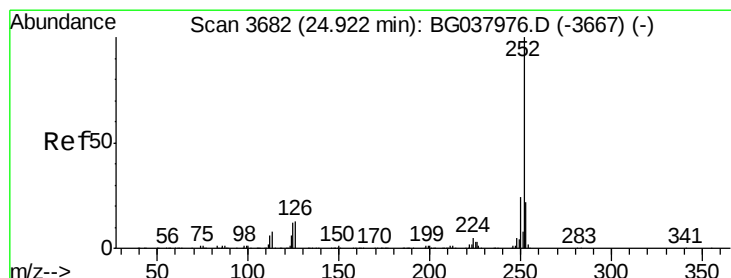
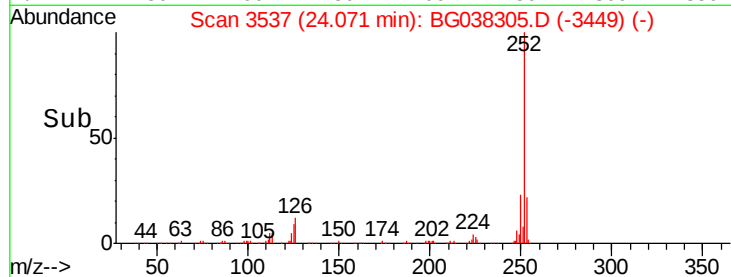
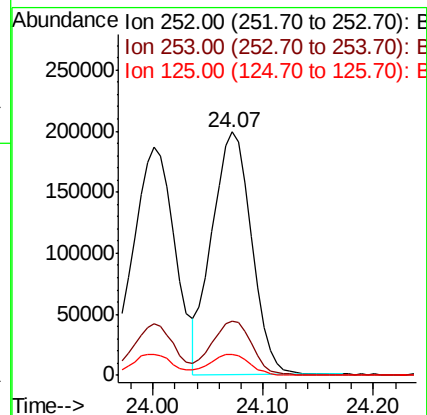
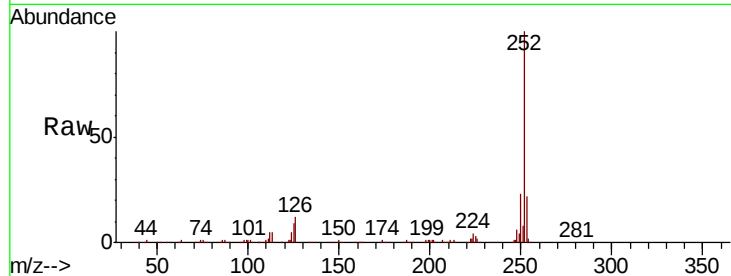




#89  
Benzo(k)fluoranthene  
Concen: 39.957 ng  
RT: 24.07 min Scan# 3537  
Delta R.T. -0.02 min  
Lab File: BG038305.D  
Acq: 3 Dec 2018 18:22

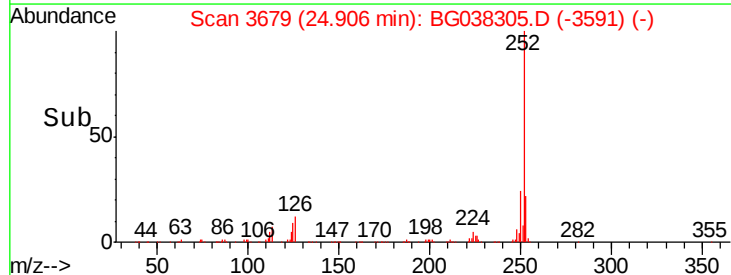
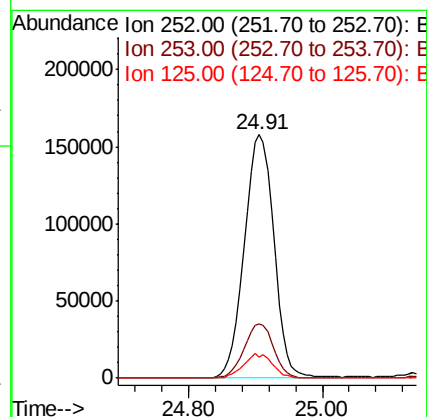
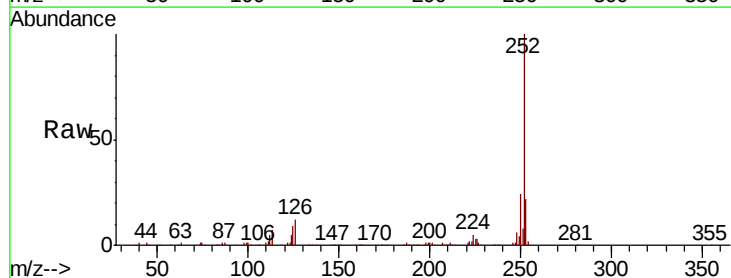
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

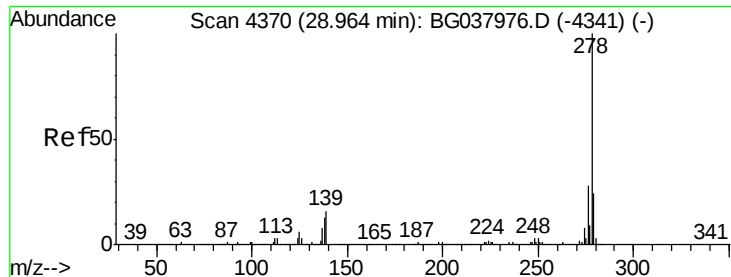
Tgt Ion:252 Resp: 494884  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.4 26.2  
125 8.8 7.4 11.0



#90  
Benzo(a)pyrene  
Concen: 40.167 ng  
RT: 24.91 min Scan# 3679  
Delta R.T. -0.02 min  
Lab File: BG038305.D  
Acq: 3 Dec 2018 18:22

Tgt Ion:252 Resp: 481817  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.4 26.2  
125 8.6 9.0 13.6#





#91

Dibenzo(a,h)anthracene

Concen: 38.873 ng

RT: 28.92 min Scan# 4363

Delta R.T. -0.04 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

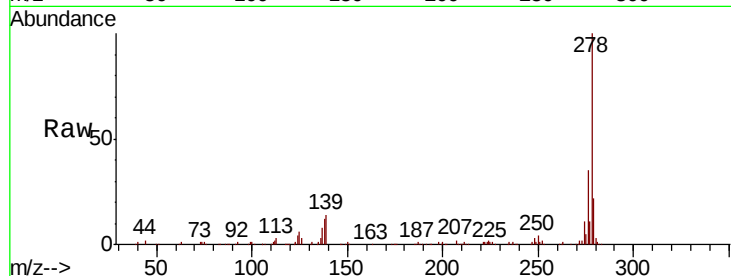
Tgt Ion:278 Resp: 448665

Ion Ratio Lower Upper

278 100

139 13.7 11.5 17.3

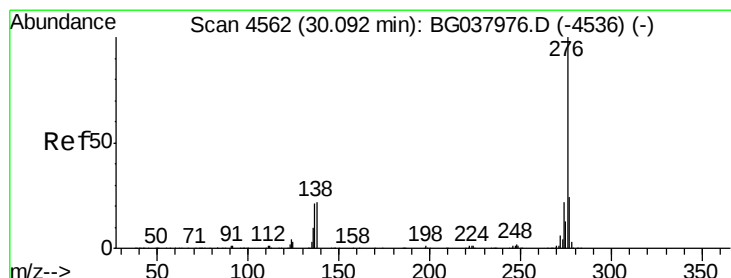
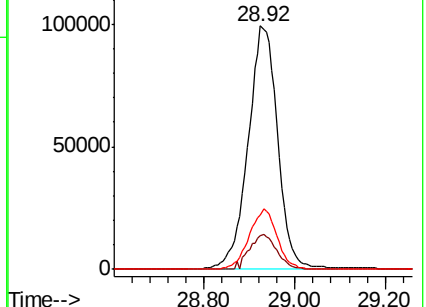
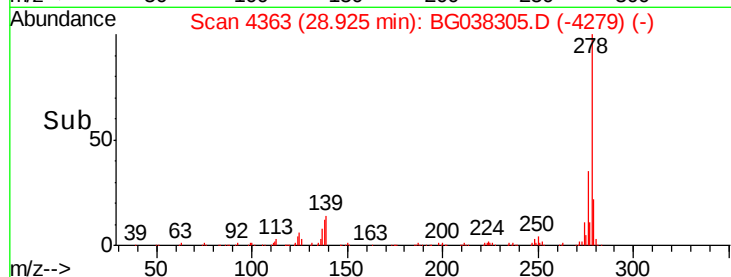
279 22.4 18.6 27.8



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: 39.621 ng

RT: 30.06 min Scan# 4557

Delta R.T. -0.03 min

Lab File: BG038305.D

Acq: 3 Dec 2018 18:22

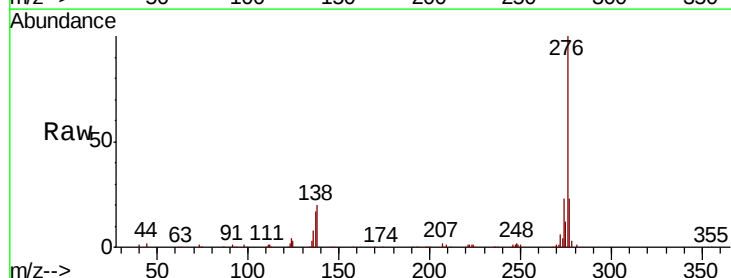
Tgt Ion:276 Resp: 454695

Ion Ratio Lower Upper

276 100

277 23.1 18.9 28.3

138 19.6 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

