

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010419\  
 Data File : BG038926.D  
 Acq On : 4 Jan 2019 11:39  
 Operator : JU/SJ  
 Sample : PB116135BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 04 12:33:17 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 12 15:26:27 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.05  | 152  | 21475    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 10.87 | 136  | 90729    | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 14.69 | 164  | 67370    | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 17.44 | 188  | 180902   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.71 | 240  | 181754   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 25.01 | 264  | 194173   | 20.00 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.60  | 112  | 141115   | 116.55 | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 194943   | 117.28 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.23  | 82   | 112625   | 63.42  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.18 | 330  | 120547   | 129.83 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.30 | 172  | 324508   | 66.08  | ng    | -0.01    |
| 79) Terphenyl-d14           | 20.04 | 244  | 655015   | 78.43  | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 3.48  | 88   | 12955    | 22.990 | ng    | # 86   |
| 3) Pyridine                    | 3.88  | 79   | 38040    | 24.519 | ng    | 96     |
| 4) n-Nitrosodimethylamine      | 3.80  | 42   | 23113    | 30.404 | ng    | # 94   |
| 6) Aniline                     | 7.37  | 93   | 28875    | 13.608 | ng    | 96     |
| 8) 2-Chlorophenol              | 7.61  | 128  | 51136    | 36.496 | ng    | 93     |
| 9) Benzaldehyde                | 7.19  | 77   | 19199    | 17.805 | ng    | 87     |
| 10) Phenol                     | 7.24  | 94   | 62789    | 35.557 | ng    | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.46  | 93   | 40724    | 28.966 | ng    | 91     |
| 12) 1,3-Dichlorobenzene        | 7.93  | 146  | 51657    | 31.181 | ng    | 97     |
| 13) 1,4-Dichlorobenzene        | 8.08  | 146  | 52596    | 30.998 | ng    | 97     |
| 14) 1,2-Dichlorobenzene        | 8.40  | 146  | 50675    | 31.680 | ng    | 96     |
| 15) Benzyl Alcohol             | 8.29  | 79   | 43948    | 33.874 | ng    | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.56  | 45   | 82792    | 25.707 | ng    | 98     |
| 17) 2-Methylphenol             | 8.49  | 107  | 43414    | 36.695 | ng    | 96     |
| 18) Hexachloroethane           | 9.13  | 117  | 17406    | 28.074 | ng    | 92     |
| 19) n-Nitroso-di-n-propylamine | 8.85  | 70   | 34621    | 29.656 | ng    | 92     |
| 20) 3+4-Methylphenols          | 8.82  | 107  | 60197    | 36.842 | ng    | 99     |
| 22) Acetophenone               | 8.87  | 105  | 71082    | 31.366 | ng    | 93     |
| 24) Nitrobenzene               | 9.27  | 77   | 53465    | 29.759 | ng    | 94     |
| 25) Isophorone                 | 9.78  | 82   | 101339   | 31.759 | ng    | # 98   |
| 26) 2-Nitrophenol              | 9.98  | 139  | 29127    | 31.675 | ng    | 93     |
| 27) 2,4-Dimethylphenol         | 10.03 | 122  | 50427    | 38.264 | ng    | 100    |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93   | 58829    | 32.670 | ng    | 97     |
| 29) 2,4-Dichlorophenol         | 10.51 | 162  | 59149    | 40.344 | ng    | 100    |
| 30) 1,2,4-Trichlorobenzene     | 10.72 | 180  | 57886    | 32.687 | ng    | 93     |
| 31) Naphthalene                | 10.91 | 128  | 156479   | 35.004 | ng    | 98     |
| 32) Benzoic acid               | 10.15 | 122  | 13727    | 23.090 | ng    | # 81   |
| 33) 4-Chloroaniline            | 11.04 | 127  | 25933    | 13.362 | ng    | # 94   |
| 34) Hexachlorobutadiene        | 11.17 | 225  | 39133    | 32.658 | ng    | 97     |
| 35) Caprolactam                | 11.82 | 113  | 20071    | 33.080 | ng    | 93     |
| 36) 4-Chloro-3-methylphenol    | 12.15 | 107  | 62270    | 37.219 | ng    | 94     |
| 37) 2-Methylnaphthalene        | 12.52 | 142  | 120454   | 37.770 | ng    | 95     |
| 38) 1-Methylnaphthalene        | 12.74 | 142  | 116282   | 37.575 | ng    | 97     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.88 | 216  | 75106    | 29.825 | ng    | 98     |

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 Data File : BG038926.D  
 Acq On : 4 Jan 2019 11:39  
 Operator : JU/SJ  
 Sample : PB116135BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

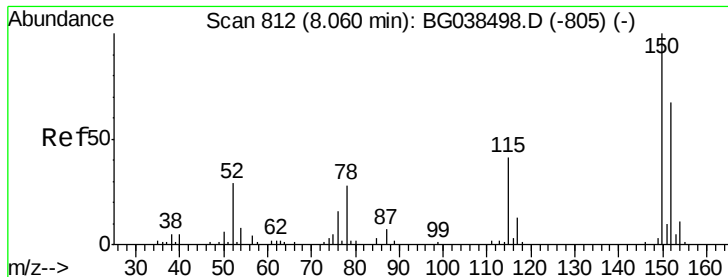
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 04 12:33:17 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 12 15:26:27 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.84 | 237  | 87829    | 63.482 | ng    | 91       |
| 43) 2,4,6-Trichlorophenol      | 13.12 | 196  | 54814    | 35.401 | ng    | 98       |
| 44) 2,4,5-Trichlorophenol      | 13.20 | 196  | 60935    | 37.169 | ng    | 97       |
| 46) 1,1'-Biphenyl              | 13.52 | 154  | 166620   | 29.502 | ng    | 98       |
| 47) 2-Chloronaphthalene        | 13.57 | 162  | 133751   | 30.658 | ng    | 98       |
| 48) 2-Nitroaniline             | 13.78 | 65   | 42656    | 30.697 | ng    | 87       |
| 49) Acenaphthylene             | 14.41 | 152  | 225114   | 34.517 | ng    | 100      |
| 50) Dimethylphthalate          | 14.13 | 163  | 186688   | 33.933 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.27 | 165  | 41883    | 33.593 | ng    | 95       |
| 52) Acenaphthene               | 14.75 | 154  | 128569   | 32.967 | ng    | 97       |
| 53) 3-Nitroaniline             | 14.61 | 138  | 20183    | 15.880 | ng    | # 93     |
| 54) 2,4-Dinitrophenol          | 14.81 | 184  | 24840    | 36.497 | ng    | 94       |
| 55) Dibenzofuran               | 15.09 | 168  | 227026   | 33.960 | ng    | 96       |
| 56) 4-Nitrophenol              | 14.91 | 139  | 58222    | 60.386 | ng    | 97       |
| 57) 2,4-Dinitrotoluene         | 15.06 | 165  | 62547    | 35.619 | ng    | 89       |
| 58) Fluorene                   | 15.73 | 166  | 183649   | 37.080 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.31 | 232  | 59627    | 40.427 | ng    | 95       |
| 60) Diethylphthalate           | 15.49 | 149  | 195863   | 32.430 | ng    | 98       |
| 61) 4-Chlorophenyl-phenylether | 15.72 | 204  | 103522   | 33.500 | ng    | 95       |
| 62) 4-Nitroaniline             | 15.77 | 138  | 43802    | 33.476 | ng    | 98       |
| 63) Azobenzene                 | 16.01 | 77   | 156781   | 31.074 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 15.82 | 198  | 32080    | 24.859 | ng    | 85       |
| 66) n-Nitrosodiphenylamine     | 15.94 | 169  | 170679   | 32.111 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.61 | 248  | 71350    | 32.295 | ng    | 95       |
| 68) Hexachlorobenzene          | 16.73 | 284  | 76255    | 33.296 | ng    | 95       |
| 69) Atrazine                   | 16.88 | 200  | 72149    | 36.576 | ng    | 94       |
| 70) Pentachlorophenol          | 17.08 | 266  | 77093    | 56.910 | ng    | 97       |
| 71) Phenanthrene               | 17.48 | 178  | 328867   | 35.057 | ng    | 99       |
| 72) Anthracene                 | 17.57 | 178  | 334185   | 36.085 | ng    | 100      |
| 73) Carbazole                  | 17.85 | 167  | 287528   | 31.393 | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.38 | 149  | 336660   | 32.034 | ng    | 98       |
| 75) Fluoranthene               | 19.49 | 202  | 406537   | 35.026 | ng    | 96       |
| 77) Benzidine                  | 19.67 | 184  | 101987   | 18.974 | ng    | 100      |
| 78) Pyrene                     | 19.85 | 202  | 405249   | 33.751 | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.71 | 149  | 150996   | 32.188 | ng    | 100      |
| 81) Benzo(a)anthracene         | 21.70 | 228  | 388523   | 35.081 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.61 | 252  | 74074    | 16.864 | ng    | 99       |
| 83) Chrysene                   | 21.77 | 228  | 361222   | 33.862 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.56 | 149  | 210454   | 31.632 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 22.78 | 149  | 357209   | 32.058 | ng    | # 96     |
| 86) Indeno(1,2,3-cd)pyrene     | 28.79 | 276  | 437757   | 34.905 | ng    | # 94     |
| 88) Benzo(b)fluoranthene       | 23.95 | 252  | 382752   | 35.902 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 24.02 | 252  | 378134   | 35.619 | ng    | 97       |
| 90) Benzo(a)pyrene             | 24.85 | 252  | 374319   | 36.395 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 28.85 | 278  | 361593   | 35.310 | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 29.98 | 276  | 366248   | 36.291 | ng    | 98       |

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



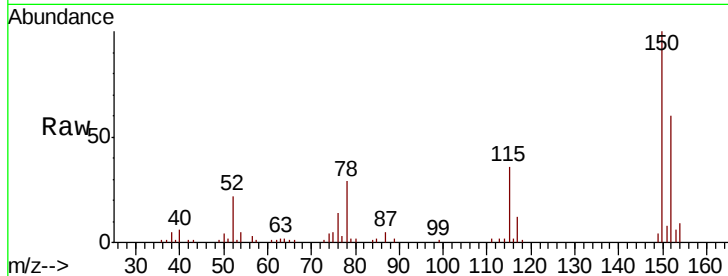


#1

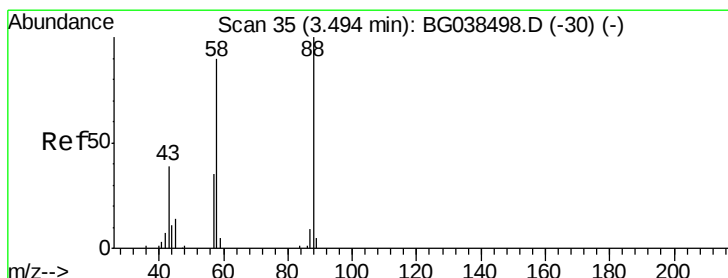
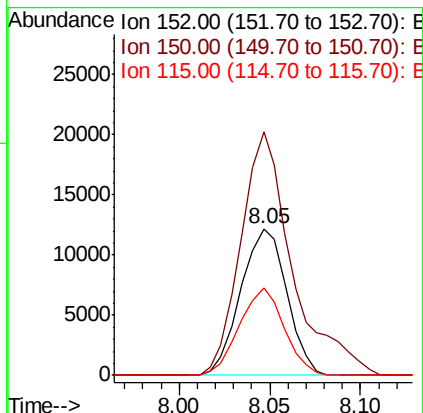
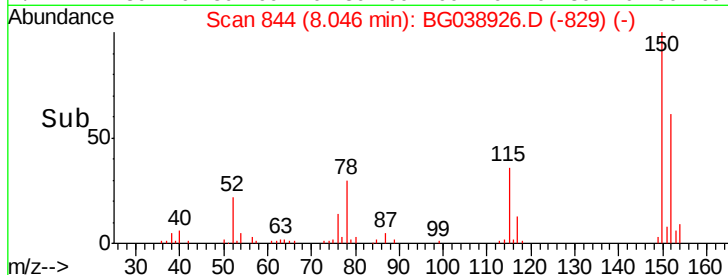
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.05 min Scan# 844  
Delta R.T. -0.01 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 21475  
Ion Ratio Lower Upper  
152 100  
150 165.9 119.5 179.3  
115 59.4 49.6 74.4



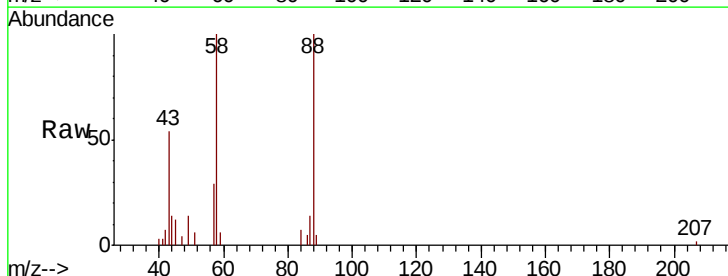
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



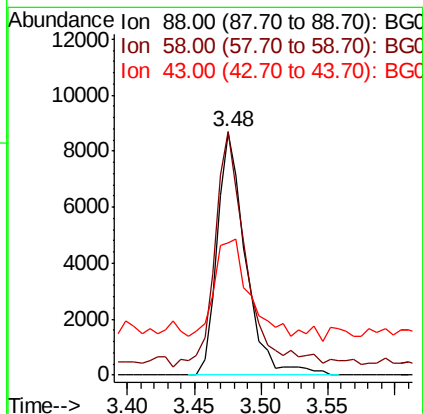
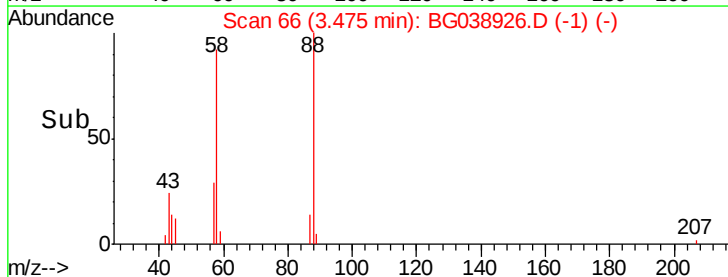
#2

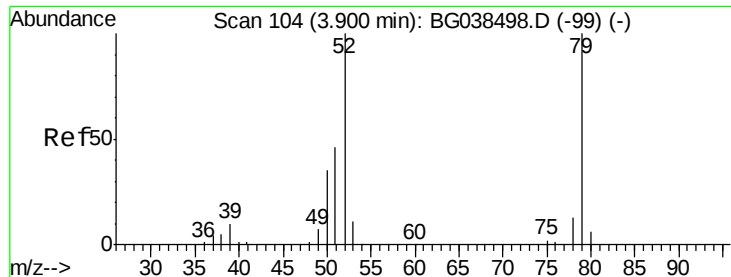
1,4-Dioxane  
Concen: 22.990 ng  
RT: 3.48 min Scan# 66  
Delta R.T. -0.02 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Tgt Ion: 88 Resp: 12955  
Ion Ratio Lower Upper  
88 100  
58 108.3 75.7 113.5  
43 48.2 31.6 47.4#



Abundance Ion 88.00 (87.70 to 88.70): BGC  
Ion 58.00 (57.70 to 58.70): BGC  
Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 24.519 ng

RT: 3.88 min Scan# 135

Delta R.T. -0.02 min

Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

Instrument :

BNA\_G

ClientSampleId :

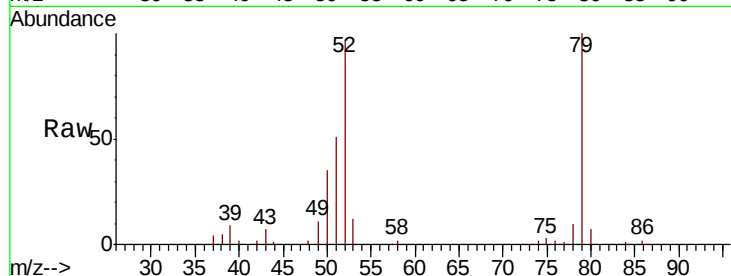
Tot Ion: 79 Resp: 38040

Ion Ratio Lower Upper

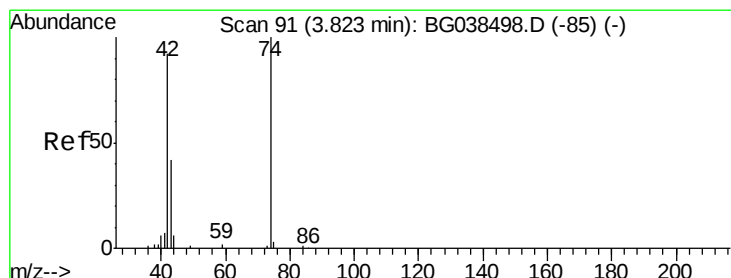
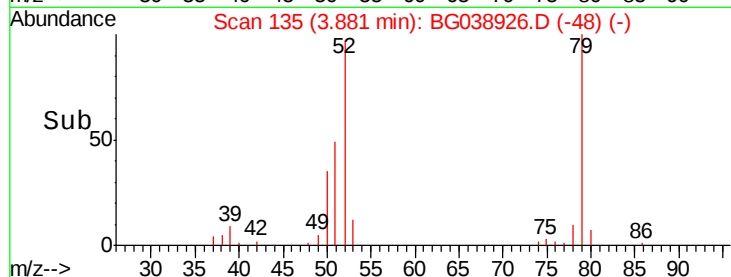
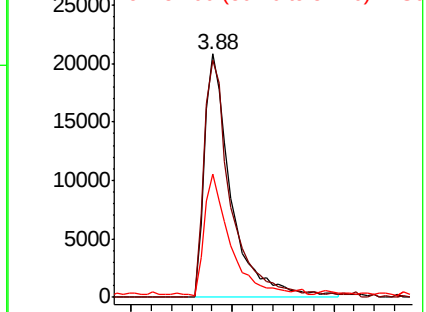
79 100

52 97.2 80.2 120.2

51 50.6 38.0 57.0



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: 30.404 ng

RT: 3.80 min Scan# 122

Delta R.T. -0.02 min

Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

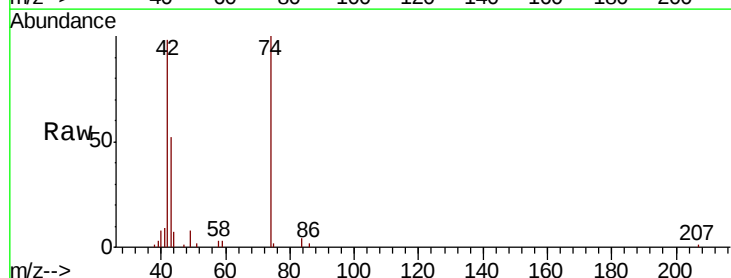
Tgt Ion: 42 Resp: 23113

Ion Ratio Lower Upper

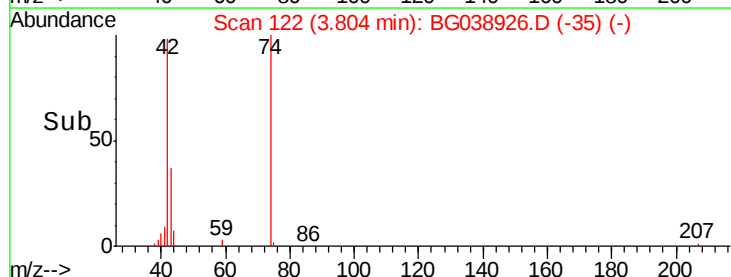
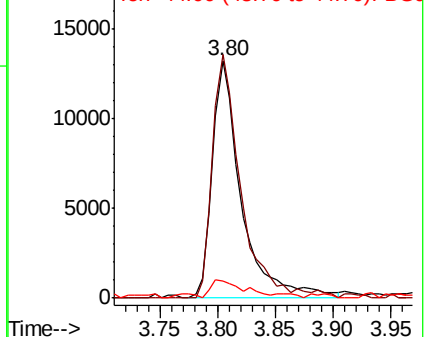
42 100

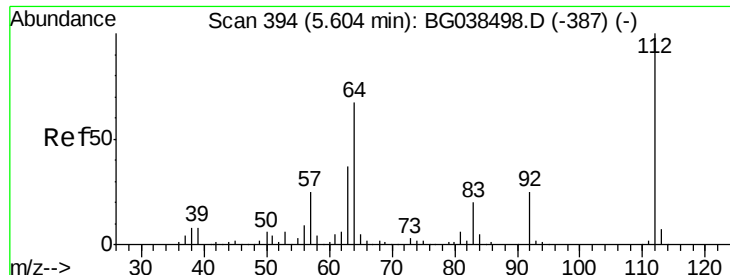
74 102.5 86.7 130.1

44 7.4 7.8 11.8#



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: 116.549 ng

RT: 5.60 min Scan# 428

Delta R.T. -0.00 min

Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

Instrument :

BNA\_G

ClientSampled :

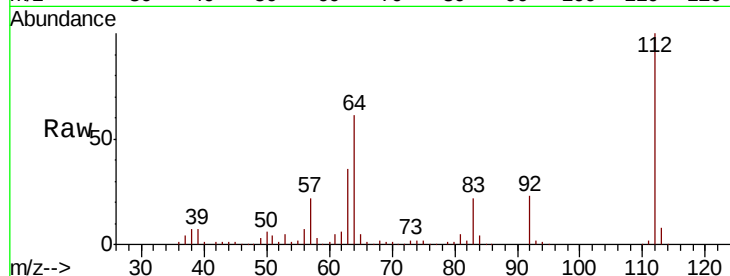
Tot Ion: 112 Resp: 141115

Ion Ratio Lower Upper

112 100

64 61.0 53.4 80.2

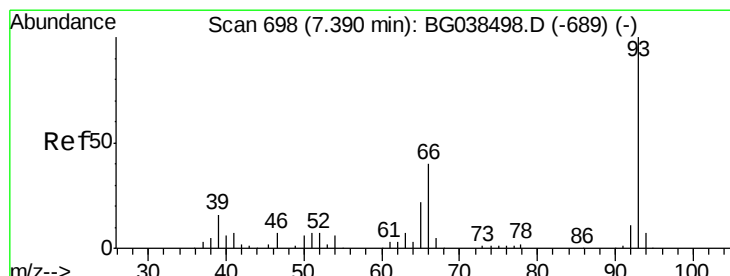
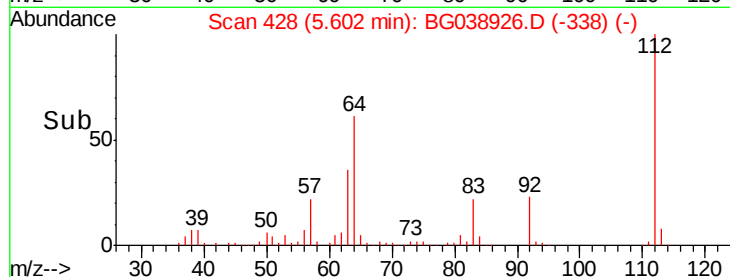
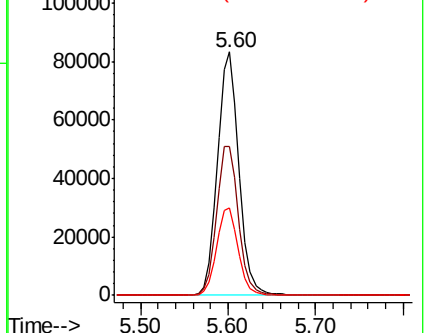
63 35.8 29.3 43.9



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: 13.608 ng

RT: 7.37 min Scan# 729

Delta R.T. -0.02 min

Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

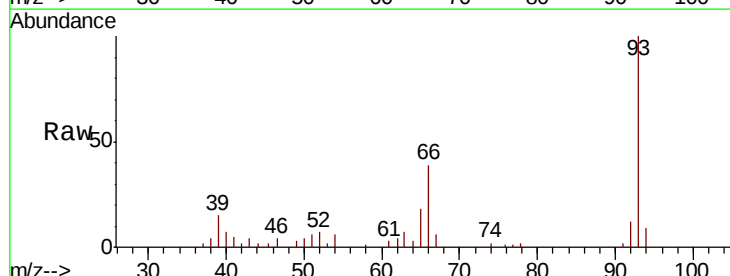
Tgt Ion: 93 Resp: 28875

Ion Ratio Lower Upper

93 100

66 38.5 31.7 47.5

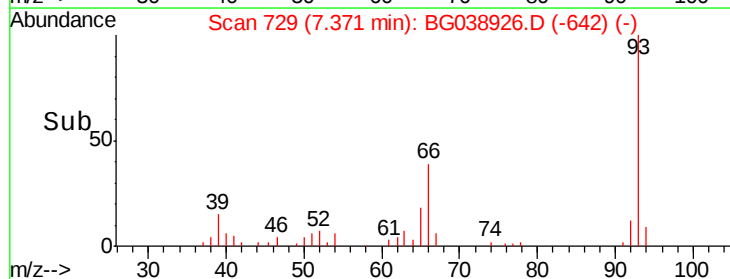
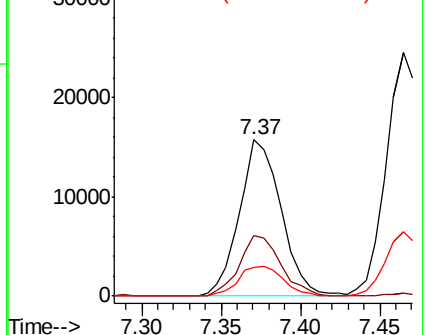
65 18.4 17.8 26.6

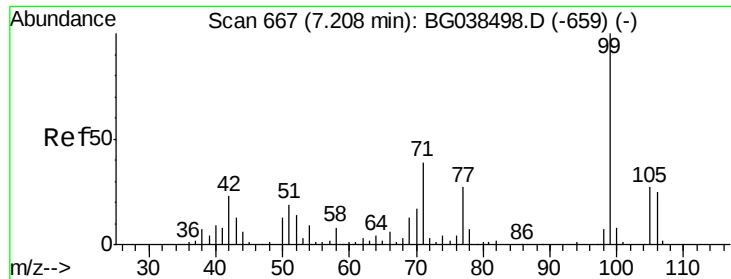


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 117.283 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

Instrument :

BNA\_G

ClientSampled :

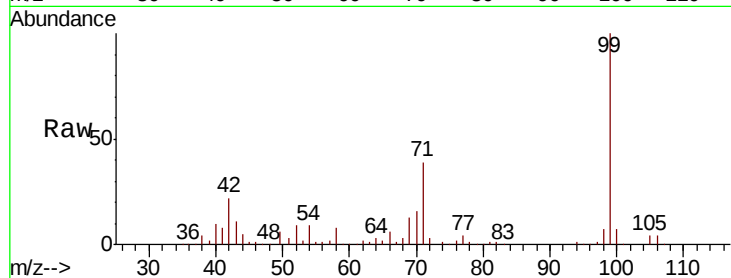
Tot Ion: 99 Resp: 194943

Ion Ratio Lower Upper

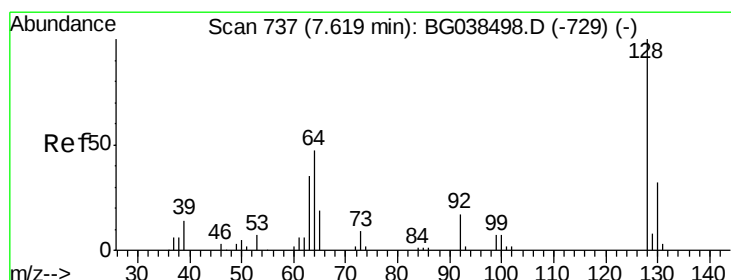
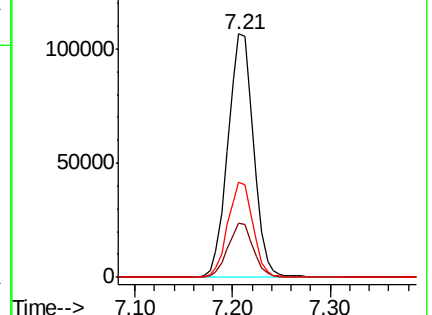
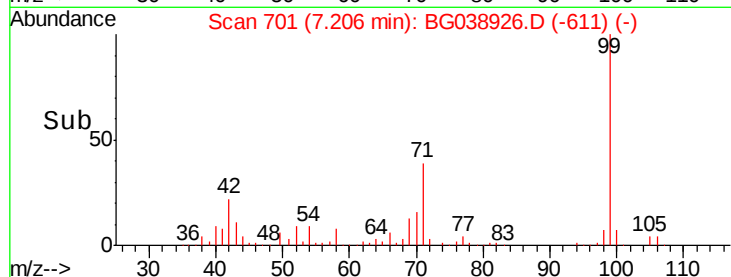
99 100

42 22.1 18.5 27.7

71 38.9 31.1 46.7



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: 36.496 ng

RT: 7.61 min Scan# 770

Delta R.T. -0.01 min

Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

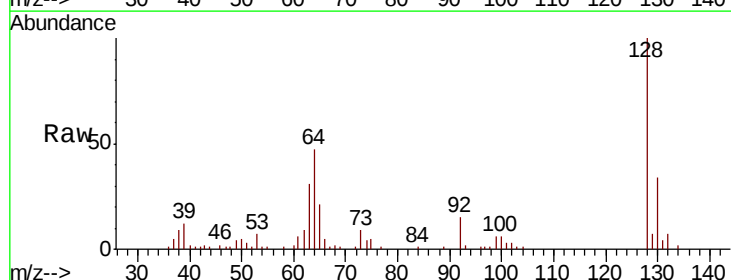
Tgt Ion: 128 Resp: 51136

Ion Ratio Lower Upper

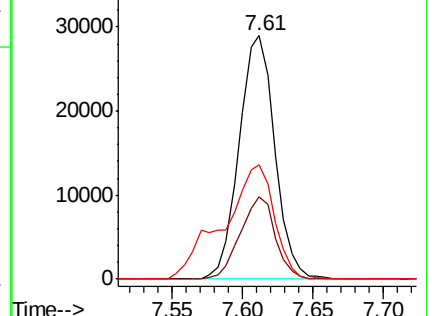
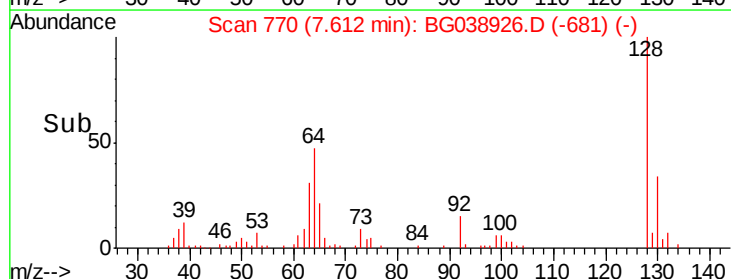
128 100

130 34.0 11.8 51.8

64 47.2 33.2 73.2



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

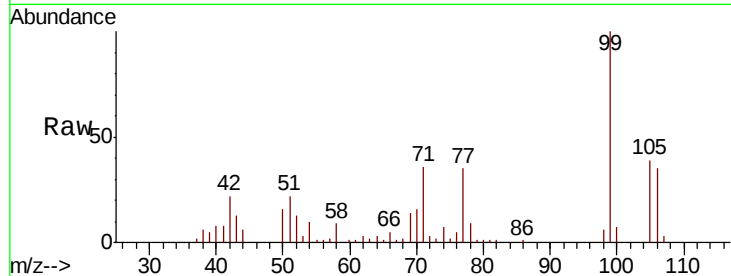




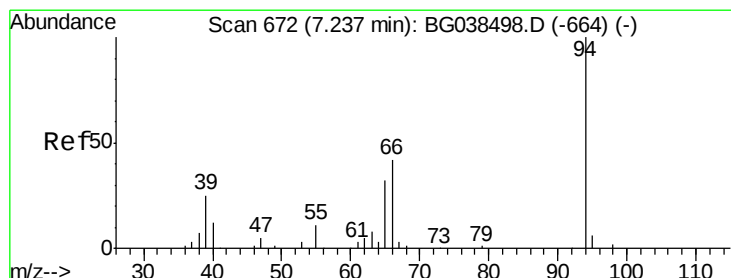
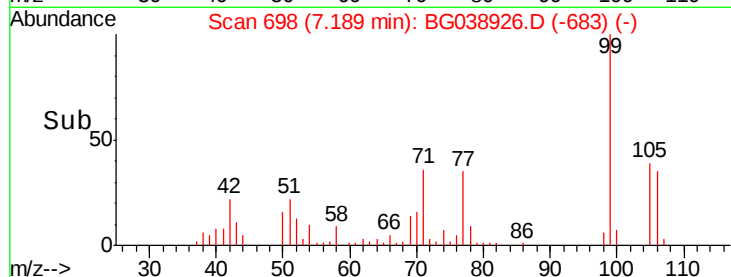
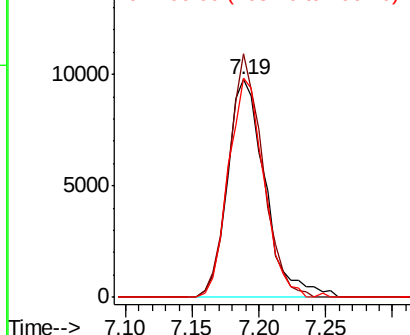
#9  
Benzaldehyde  
Concen: 17.805 ng  
RT: 7.19 min Scan# 698  
Delta R.T. -0.01 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion: 77 Resp: 19199  
Ion Ratio Lower Upper  
77 100  
105 111.9 74.0 114.0  
106 100.7 73.9 113.9

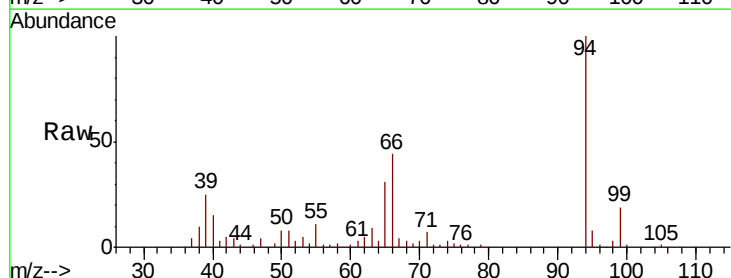


Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 106.00 (105.70 to 106.70): BGC

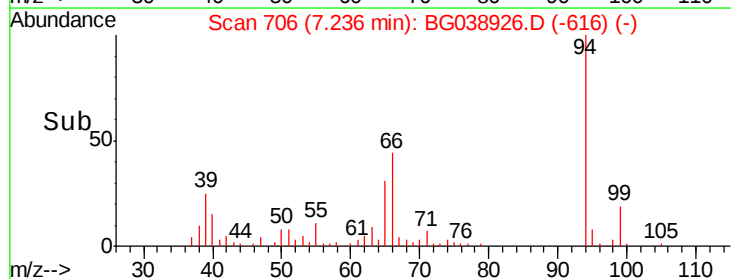
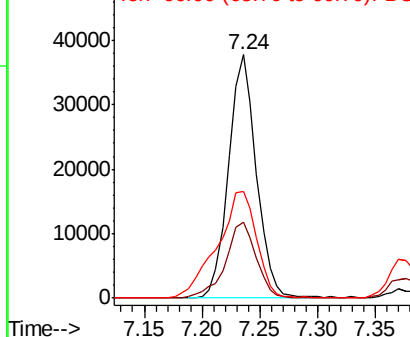


#10  
Phenol  
Concen: 35.557 ng  
RT: 7.24 min Scan# 706  
Delta R.T. -0.00 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Tgt Ion: 94 Resp: 62789  
Ion Ratio Lower Upper  
94 100  
65 31.1 12.6 52.6  
66 43.9 24.1 64.1



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



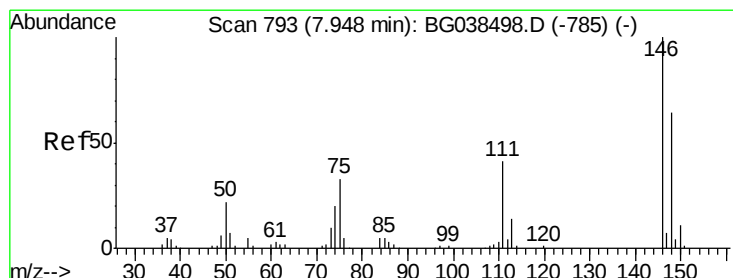
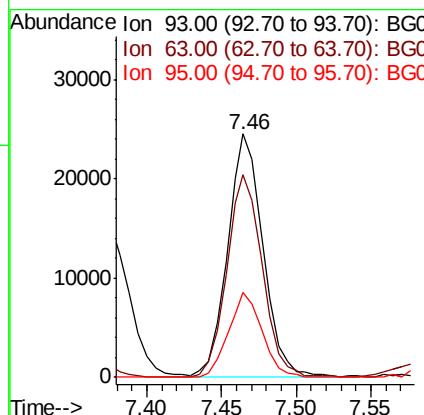
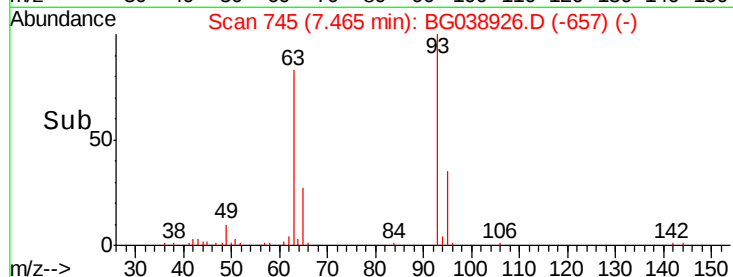
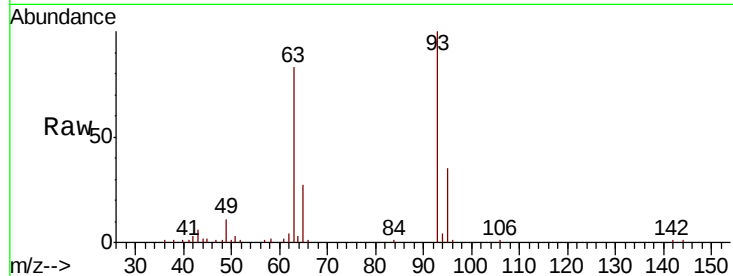


#11

bis(2-Chloroethyl)ether  
Concen: 28.966 ng  
RT: 7.46 min Scan# 745  
Delta R.T. -0.01 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Instrument :  
BNA\_G  
ClientSampleId :

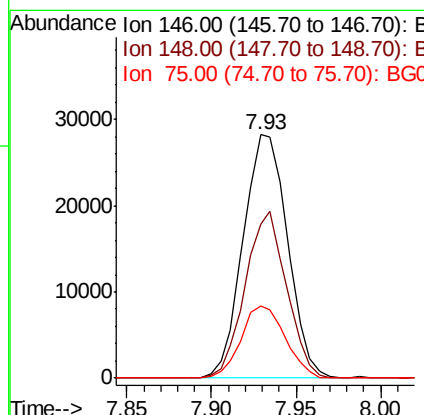
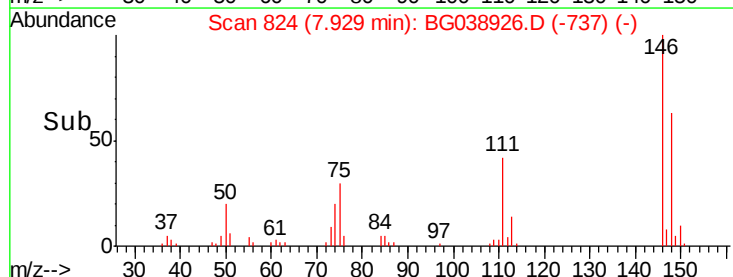
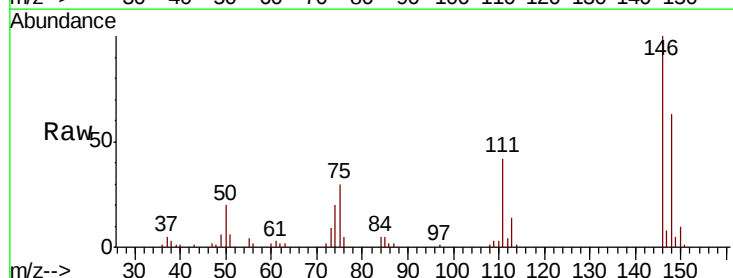
Tot Ion: 93 Resp: 40724  
Ion Ratio Lower Upper  
93 100  
63 83.2 72.2 112.2  
95 35.0 11.2 51.2

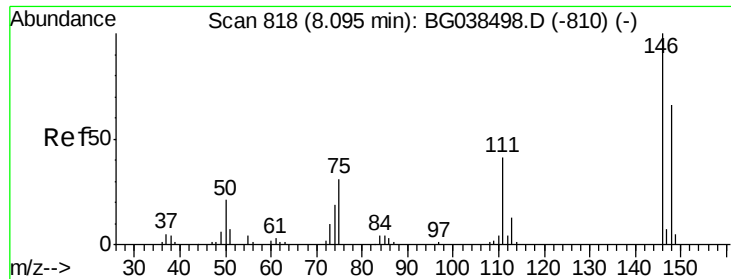


#12

1,3-Dichlorobenzene  
Concen: 31.181 ng  
RT: 7.93 min Scan# 824  
Delta R.T. -0.02 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Tgt Ion: 146 Resp: 51657  
Ion Ratio Lower Upper  
146 100  
148 63.0 51.4 77.0  
75 29.5 26.1 39.1

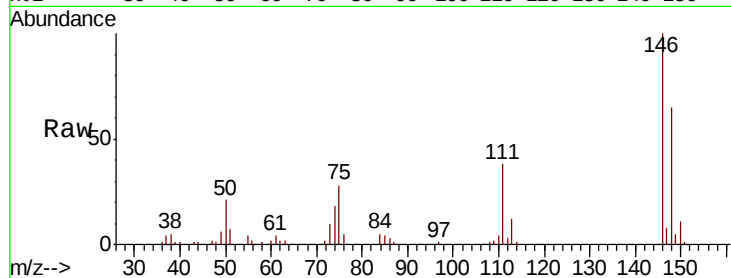




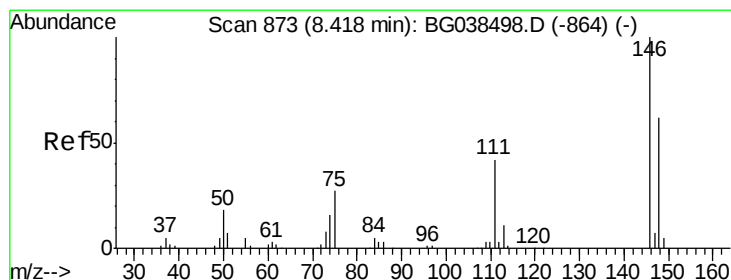
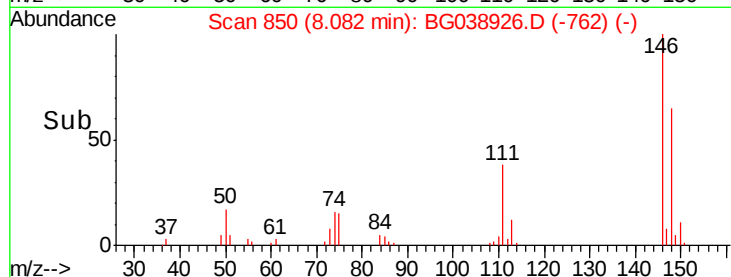
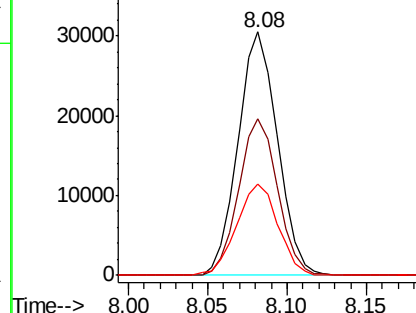
#13  
 1,4-Dichlorobenzene  
 Concen: 30.998 ng  
 RT: 8.08 min Scan# 850  
 Delta R.T. -0.01 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:146 Resp: 52596  
 Ion Ratio Lower Upper  
 146 100  
 148 64.5 52.4 78.6  
 111 37.7 33.0 49.4

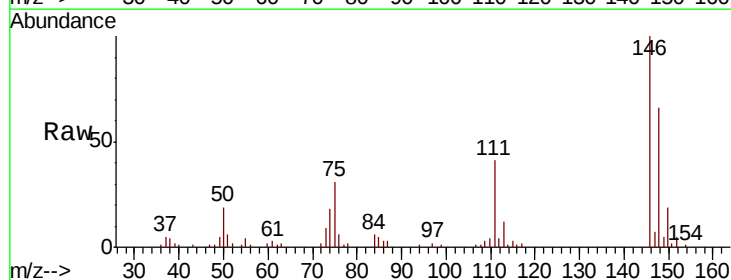


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

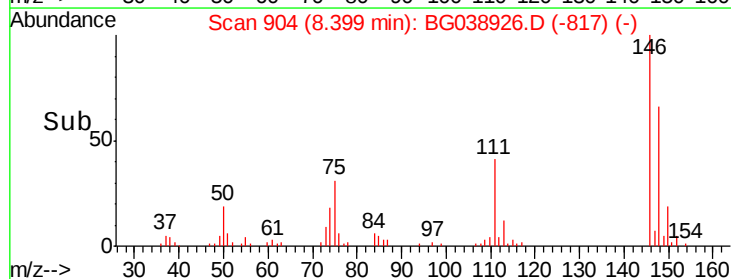
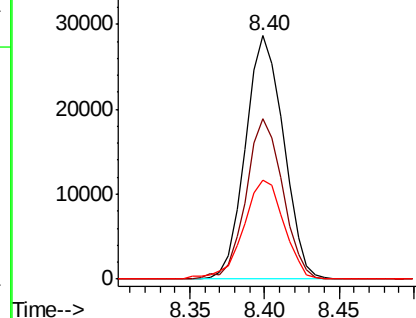


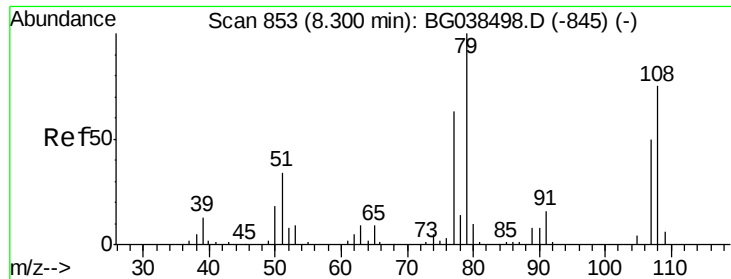
#14  
 1,2-Dichlorobenzene  
 Concen: 31.680 ng  
 RT: 8.40 min Scan# 904  
 Delta R.T. -0.02 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

Tgt Ion:146 Resp: 50675  
 Ion Ratio Lower Upper  
 146 100  
 148 65.7 49.4 74.0  
 111 40.6 33.8 50.6



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





#15

Benzyl Alcohol

Concen: 33.874 ng

RT: 8.29 min Scan# 886

Delta R.T. -0.01 min

Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

Instrument :

BNA\_G

ClientSampleId :

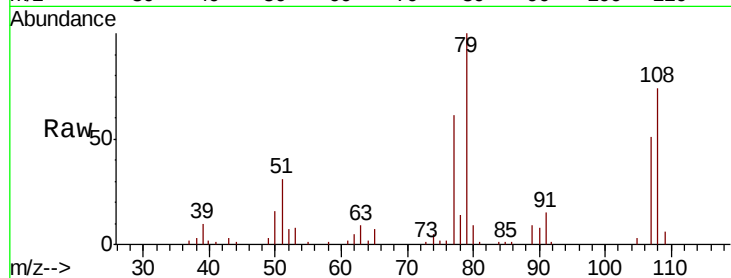
Tot Ion: 79 Resp: 43948

Ion Ratio Lower Upper

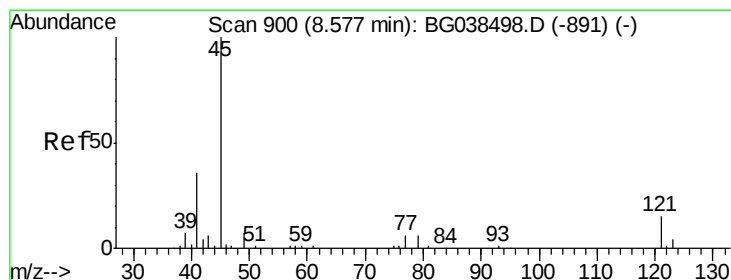
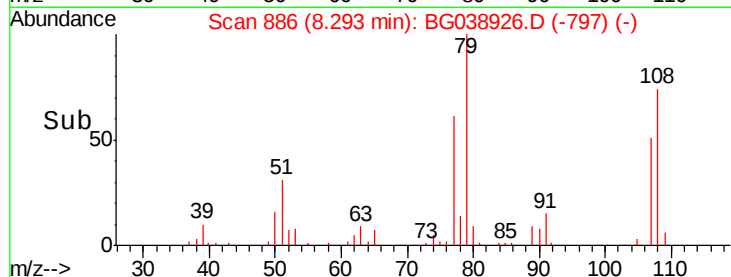
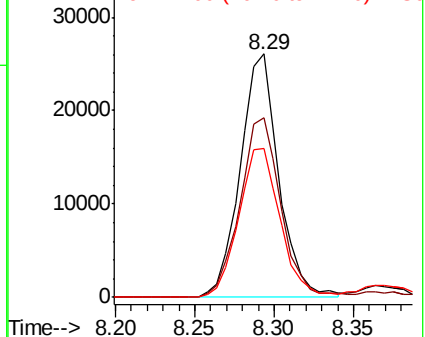
79 100

108 73.6 60.2 90.4

77 61.2 50.7 76.1



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: 25.707 ng

RT: 8.56 min Scan# 932

Delta R.T. -0.01 min

Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

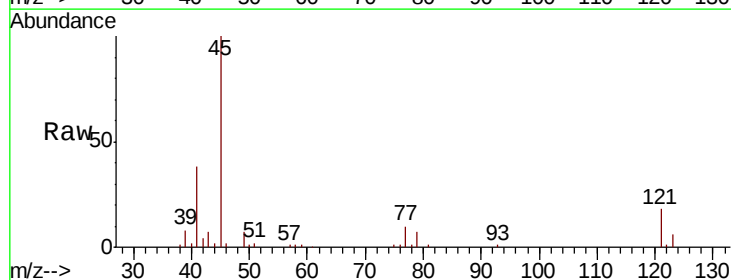
Tgt Ion: 45 Resp: 82792

Ion Ratio Lower Upper

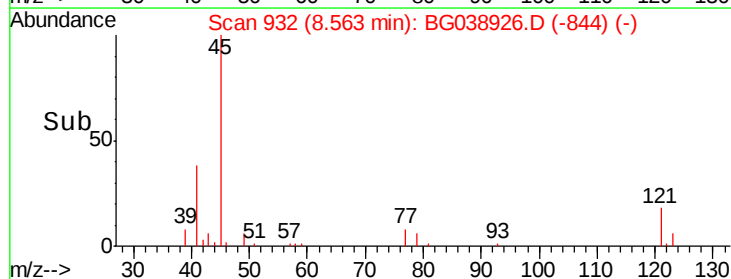
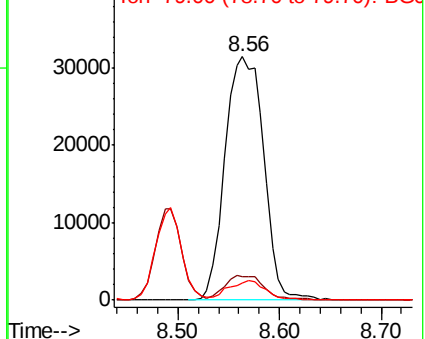
45 100

77 9.5 0.0 28.2

79 6.8 0.0 27.2



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: 36.695 ng

RT: 8.49 min Scan# 920

Delta R.T. -0.00 min

Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:107 Resp: 43414

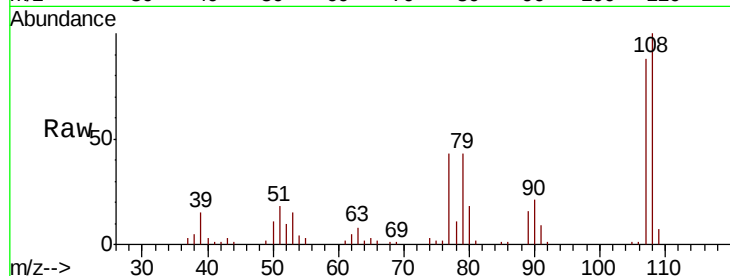
Ion Ratio Lower Upper

107 100

108 113.2 87.1 130.7

77 48.3 42.0 63.0

79 48.7 38.2 57.2

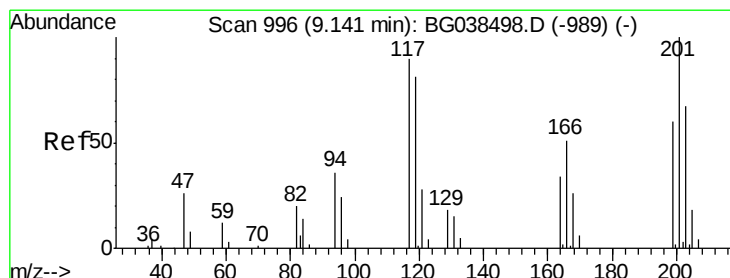
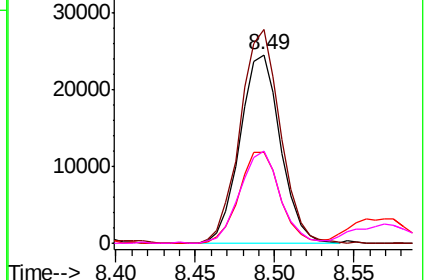
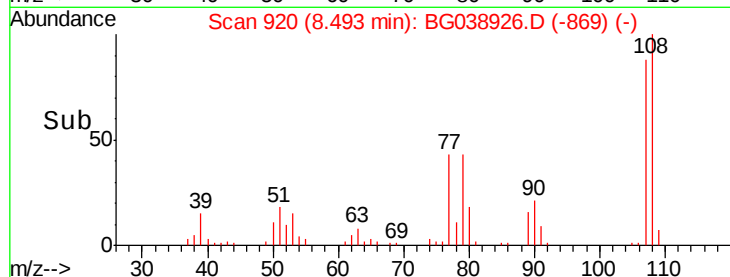


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 28.074 ng

RT: 9.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

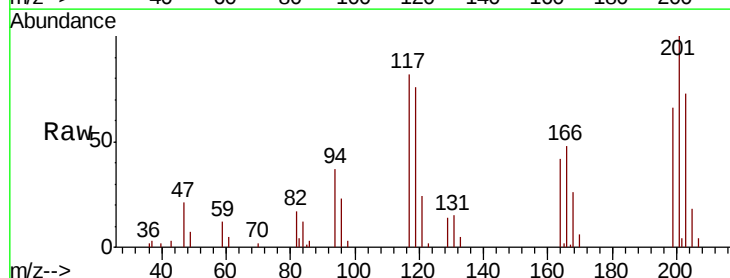
Tgt Ion:117 Resp: 17406

Ion Ratio Lower Upper

117 100

119 92.7 73.8 110.8

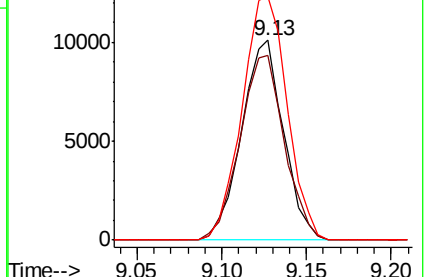
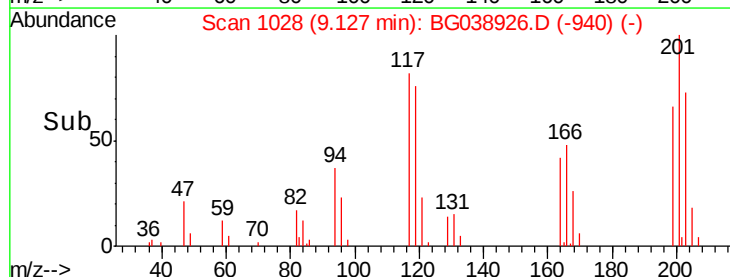
201 126.9 89.4 134.0

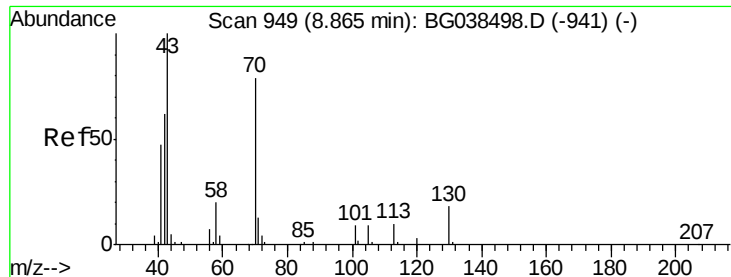


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

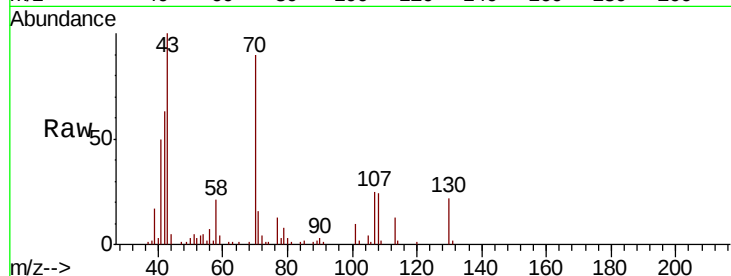




#19  
n-Nitroso-di-n-propylamine  
Concen: 29.656 ng  
RT: 8.85 min Scan# 980  
Delta R.T. -0.02 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 70    | Resp: | 34621 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 70.6  | 63.6  | 95.4  |
| 101      | 11.0  | 9.2   | 13.8  |
| 130      | 24.5  | 18.5  | 27.7  |



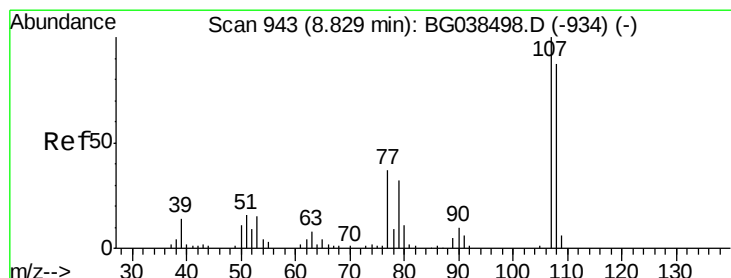
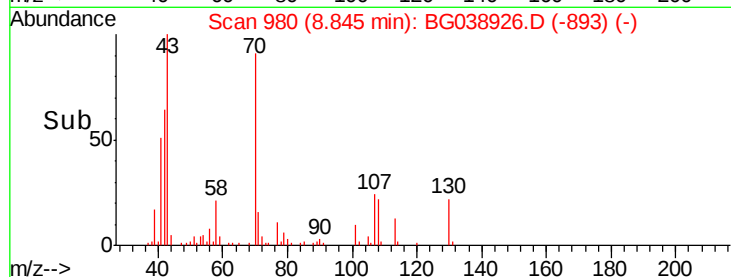
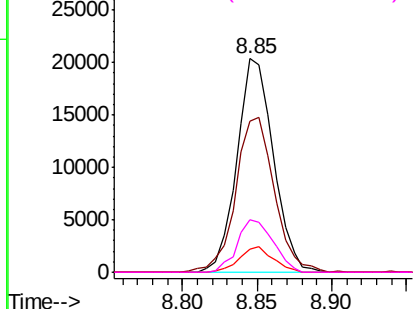
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

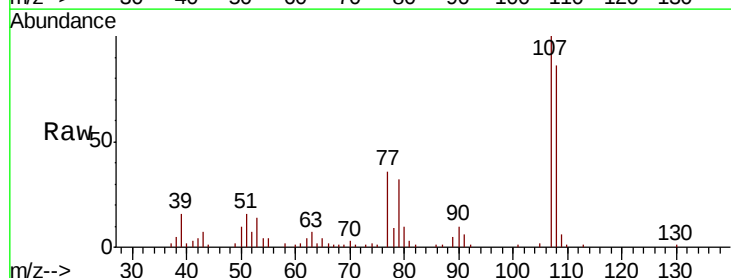
Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20  
3+4-Methylphenols  
Concen: 36.842 ng  
RT: 8.82 min Scan# 976  
Delta R.T. -0.01 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 60197 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 85.5  | 66.7  | 106.7 |
| 77       | 36.4  | 17.3  | 57.3  |
| 79       | 32.4  | 12.3  | 52.3  |



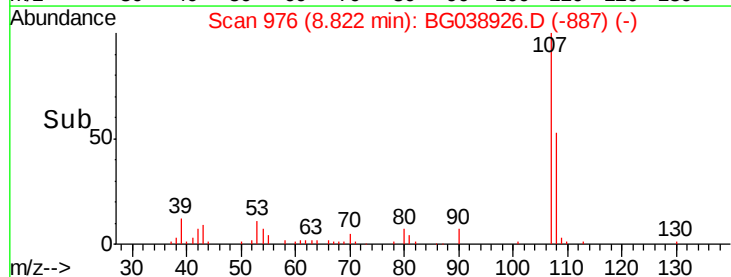
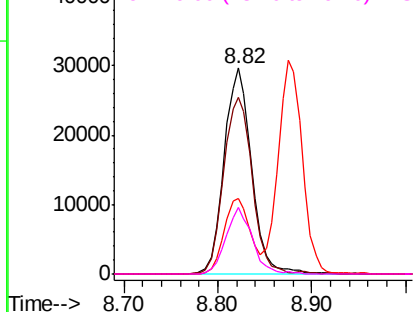
Abundance

Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

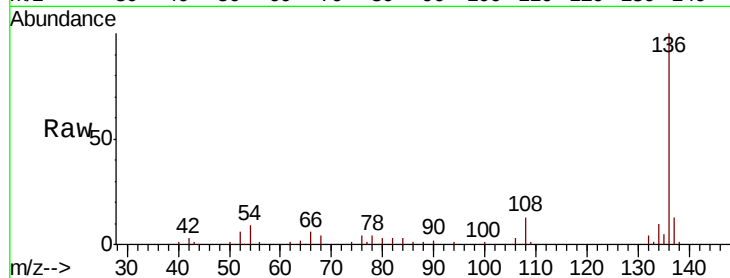




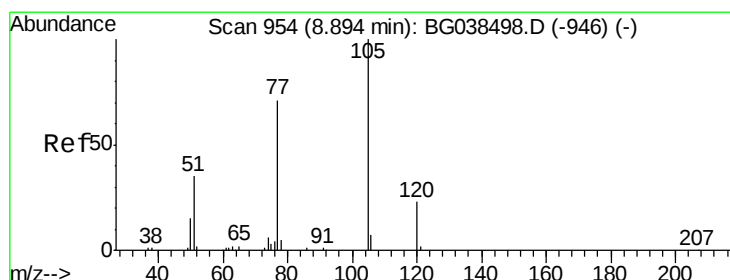
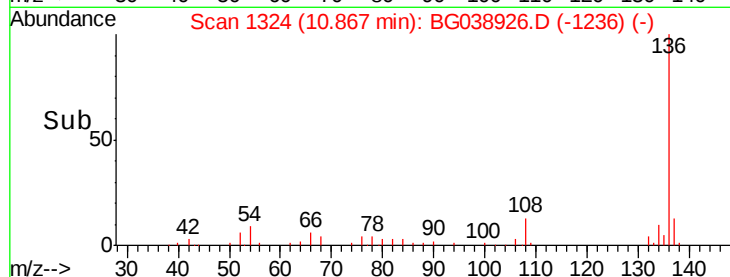
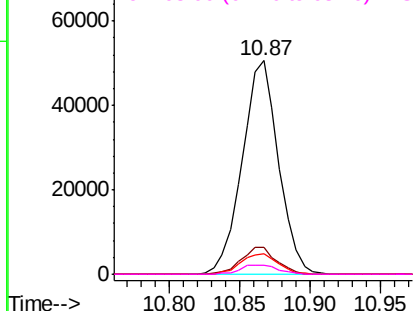
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.87 min Scan# 1324  
Delta R.T. -0.01 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 90729       |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 12.6  | 9.3 13.9    |
| 54          | 9.4   | 8.5 12.7    |
| 68          | 4.0   | 3.5 5.3     |

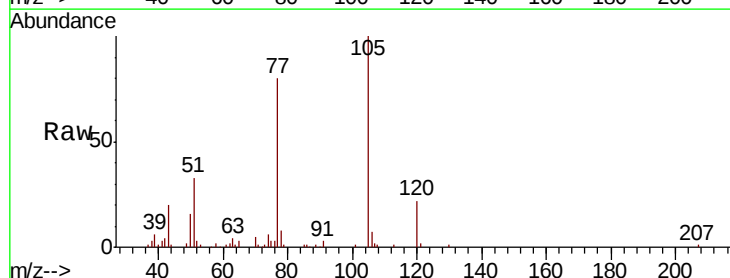


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

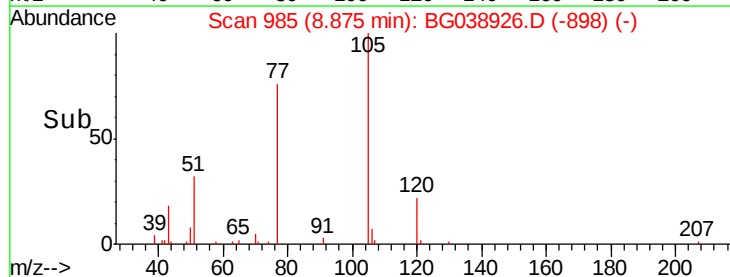
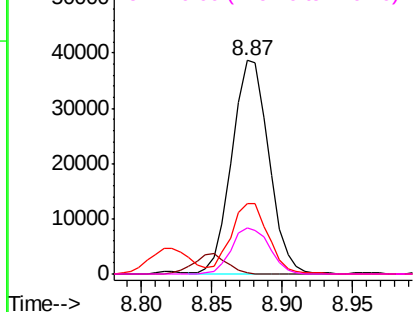


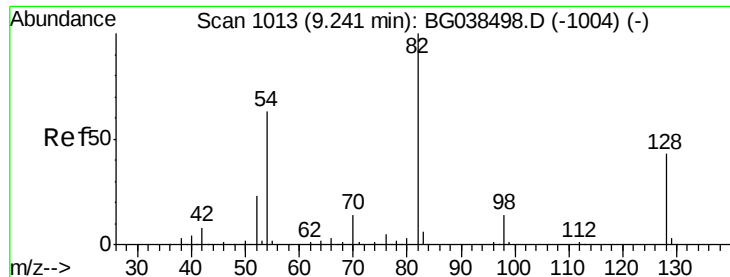
#22  
Acetophenone  
Concen: 31.366 ng  
RT: 8.87 min Scan# 985  
Delta R.T. -0.02 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:105 | Resp: | 71082       |
| Ion         | Ratio | Lower Upper |
| 105         | 100   |             |
| 71          | 0.6   | 0.4 0.6     |
| 51          | 33.1  | 30.6 46.0   |
| 120         | 21.6  | 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

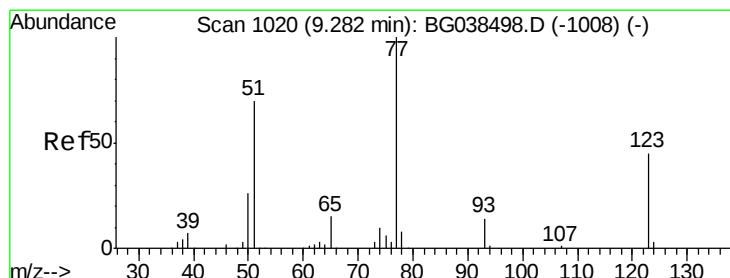
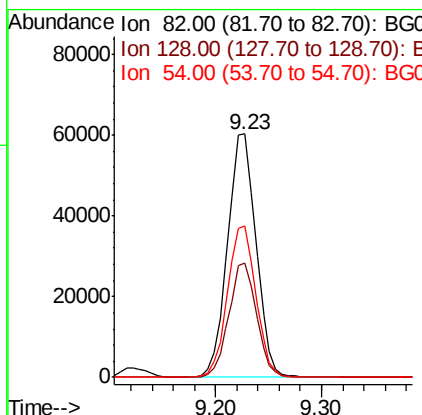
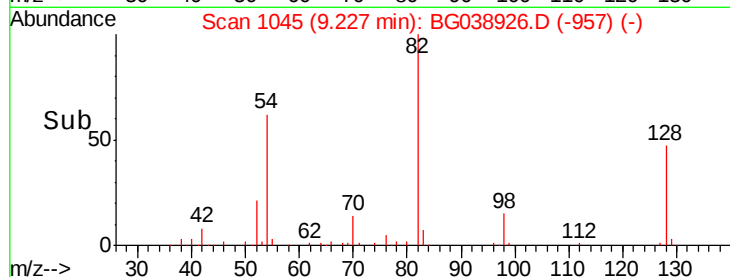
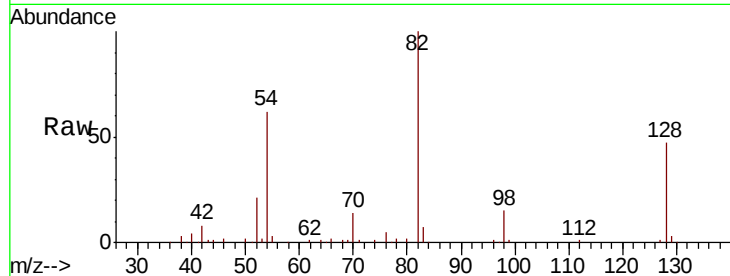




#23  
 Nitrobenzene-d5  
 Concen: 63.416 ng  
 RT: 9.23 min Scan# 1045  
 Delta R.T. -0.01 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

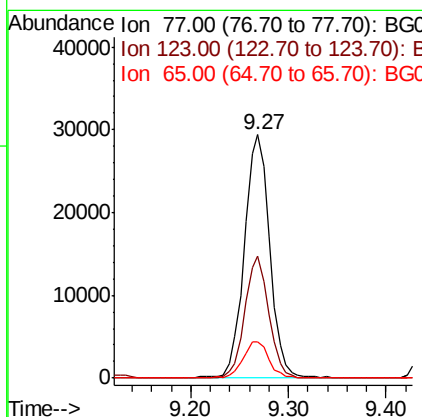
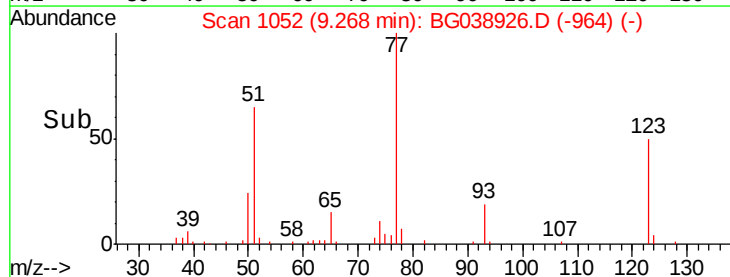
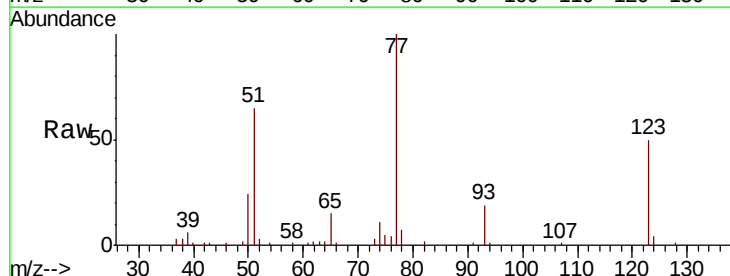
Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion   | 82   | Resp  | 112625 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 46.9 | 34.6  | 52.0   |
| 54        | 62.4 | 50.6  | 76.0   |



#24  
 Nitrobenzene  
 Concen: 29.759 ng  
 RT: 9.27 min Scan# 1052  
 Delta R.T. -0.01 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

| Tgt Ion   | 77   | Resp  | 53465 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 123       | 49.9 | 35.9  | 53.9  |
| 65        | 15.1 | 12.0  | 18.0  |





#25

Isophorone

Concen: 31.759 ng

RT: 9.78 min Scan# 1139

Delta R.T. -0.01 min

Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

Instrument :

BNA\_G

ClientSampleId :

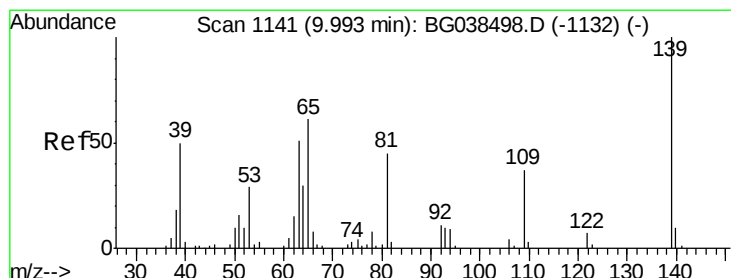
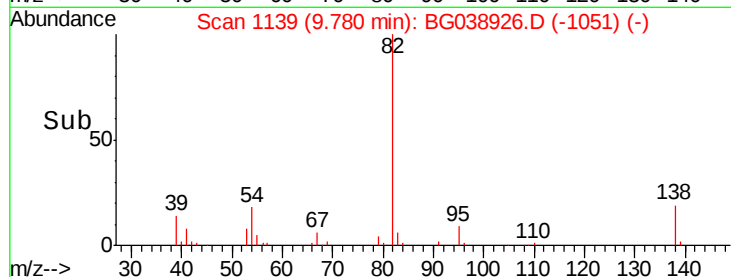
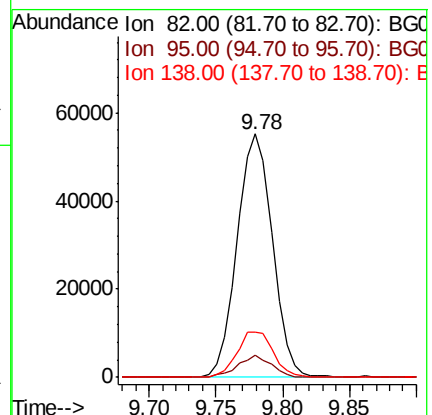
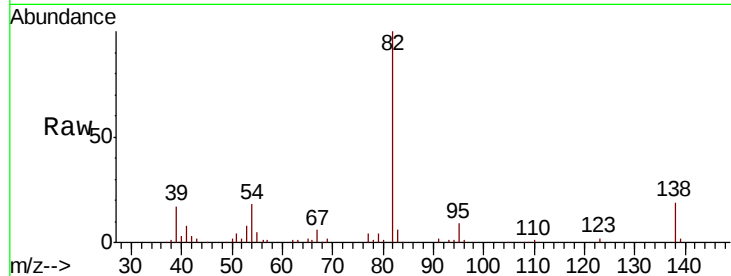
Tot Ion: 82 Resp: 101339

Ion Ratio Lower Upper

82 100

95 9.3 6.1 9.1#

138 18.8 14.9 22.3



#26

2-Nitrophenol

Concen: 31.675 ng

RT: 9.98 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

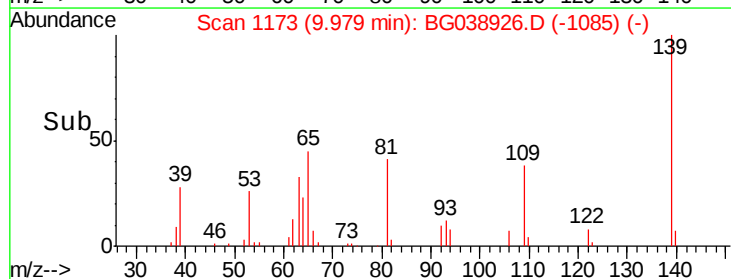
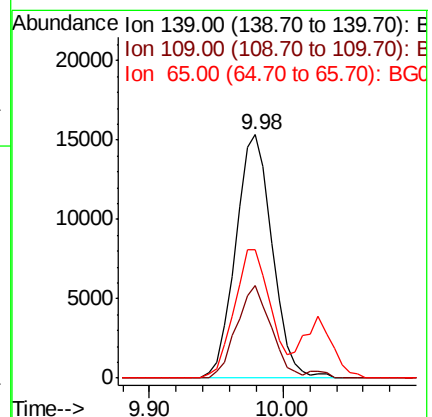
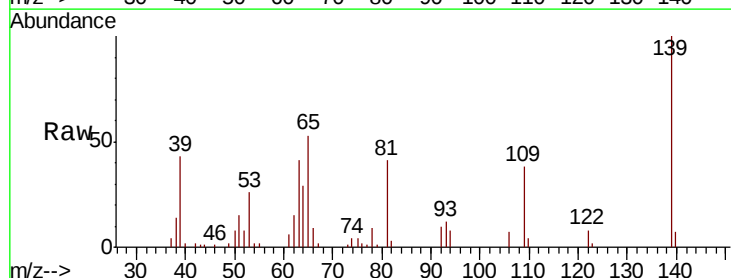
Tgt Ion: 139 Resp: 29127

Ion Ratio Lower Upper

139 100

109 38.2 29.5 44.3

65 52.5 48.5 72.7

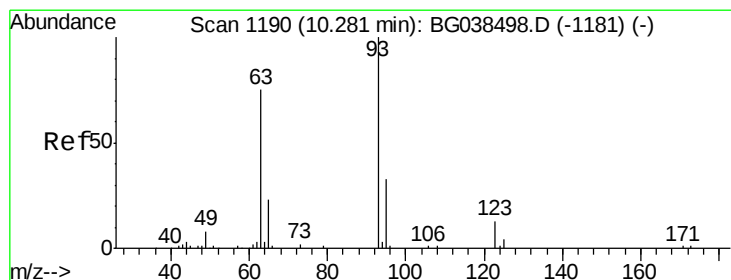
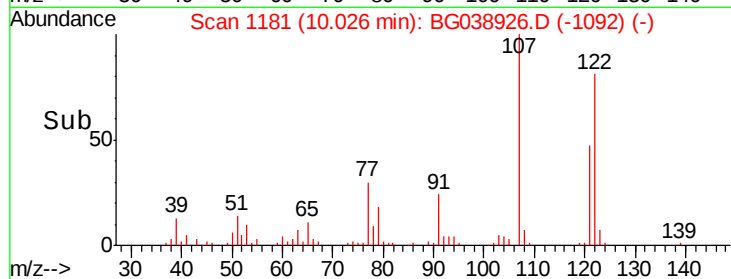
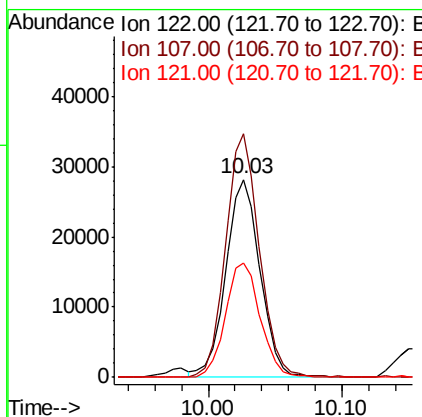
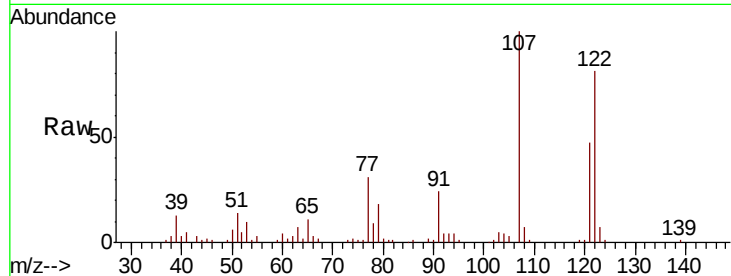




#27  
 2,4-Dimethylphenol  
 Concen: 38.264 ng  
 RT: 10.03 min Scan# 1181  
 Delta R.T. -0.01 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

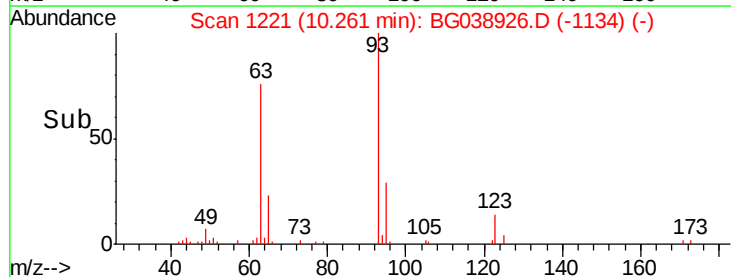
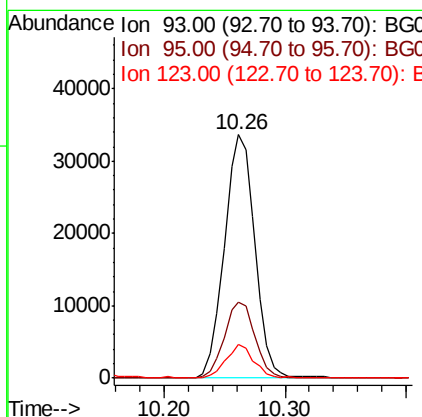
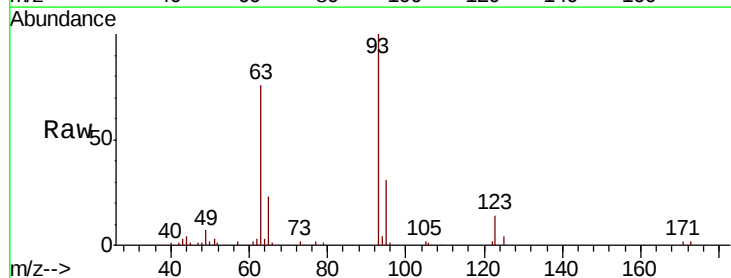
Instrument :  
 BNA\_G  
 ClientSampleId :

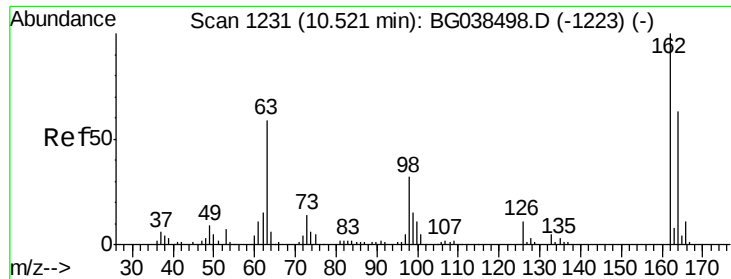
Tot Ion:122 Resp: 50427  
 Ion Ratio Lower Upper  
 122 100  
 107 123.1 98.4 147.6  
 121 58.0 47.2 70.8



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 32.670 ng  
 RT: 10.26 min Scan# 1221  
 Delta R.T. -0.02 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

Tgt Ion: 93 Resp: 58829  
 Ion Ratio Lower Upper  
 93 100  
 95 31.0 26.6 40.0  
 123 13.6 10.6 16.0

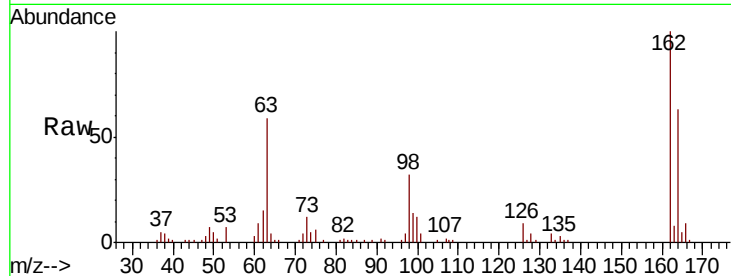




#29  
 2,4-Dichlorophenol  
 Concen: 40.344 ng  
 RT: 10.51 min Scan# 1264  
 Delta R.T. -0.01 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 62.6  | 42.9  | 82.9  |
| 98      | 32.1  | 12.1  | 52.1  |

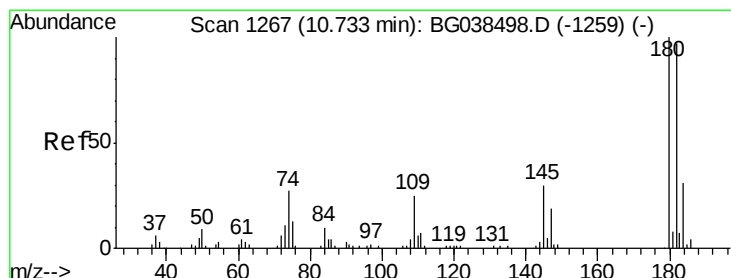
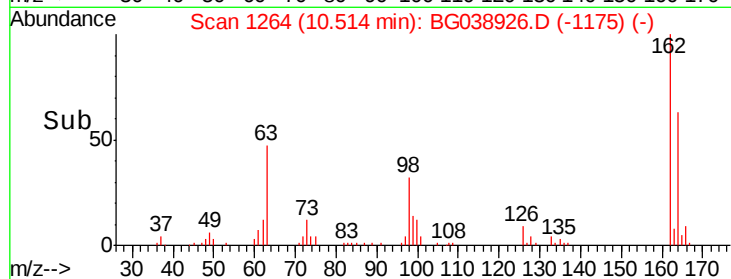
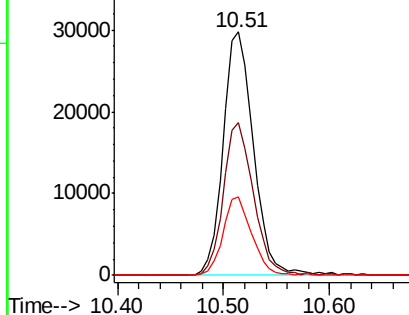


Abundance

Ion 162.00 (161.70 to 162.70): E

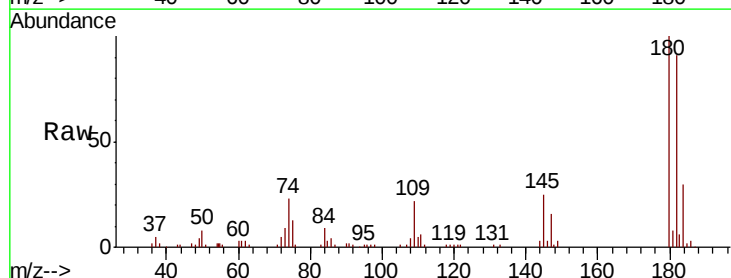
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#30  
 1,2,4-Trichlorobenzene  
 Concen: 32.687 ng  
 RT: 10.72 min Scan# 1299  
 Delta R.T. -0.01 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 90.8  | 77.4  | 116.0 |
| 145     | 25.3  | 24.1  | 36.1  |

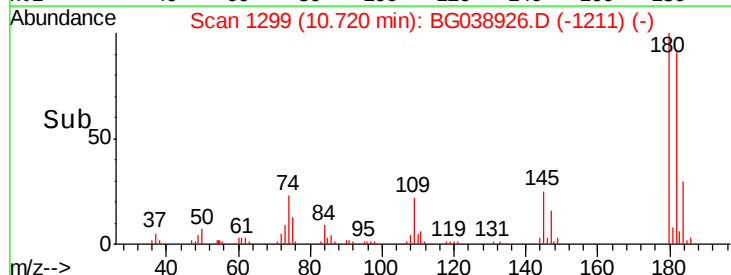
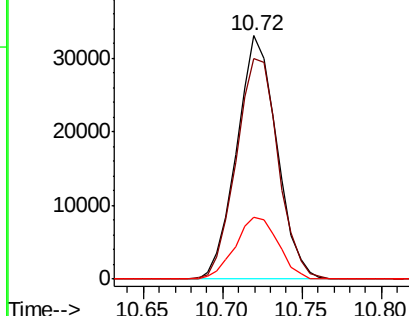


Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

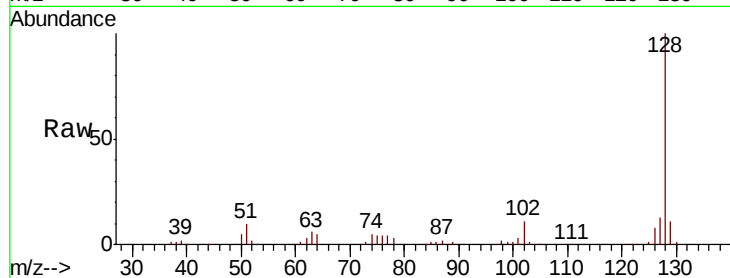




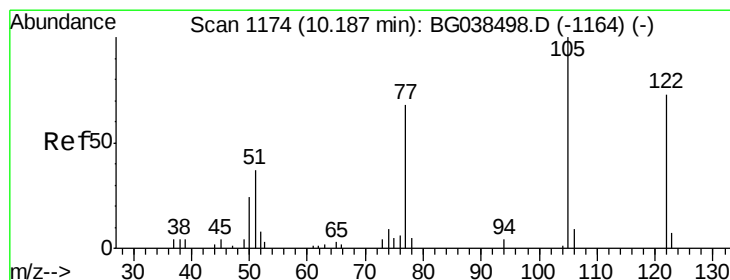
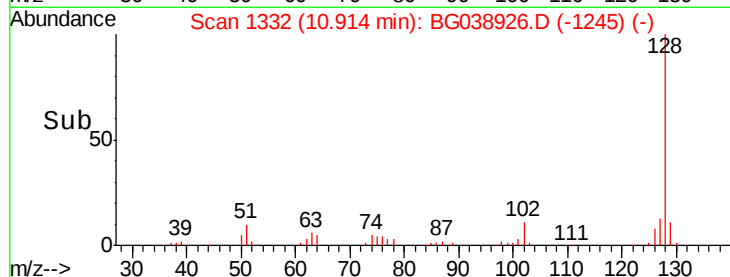
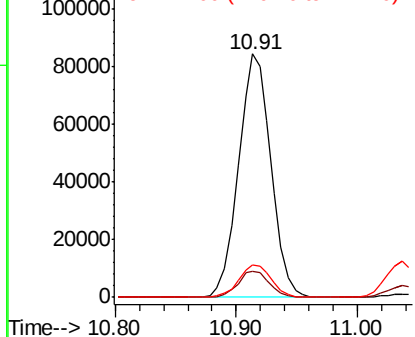
#31  
Naphthalene  
Concen: 35.004 ng  
RT: 10.91 min Scan# 1332  
Delta R.T. -0.02 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:128 Resp: 156479  
Ion Ratio Lower Upper  
128 100  
129 10.9 9.5 14.3  
127 13.3 10.9 16.3

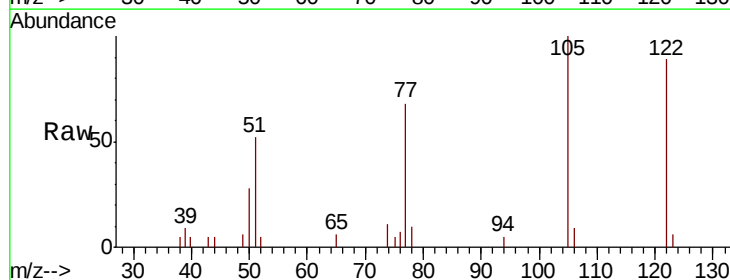


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

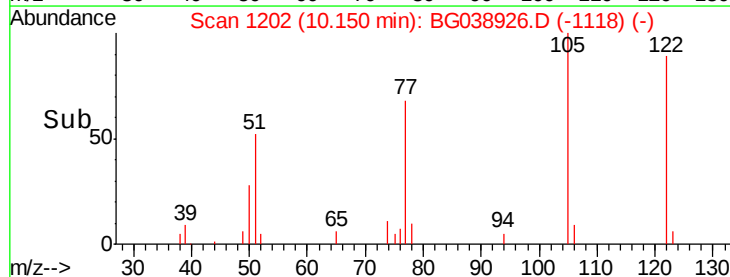
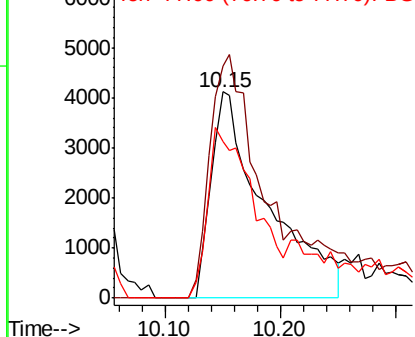


#32  
Benzoic acid  
Concen: 23.090 ng  
RT: 10.15 min Scan# 1202  
Delta R.T. -0.04 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Tgt Ion:122 Resp: 13727  
Ion Ratio Lower Upper  
122 100  
105 112.5 116.7 156.7#  
77 76.0 72.5 112.5



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): BGO

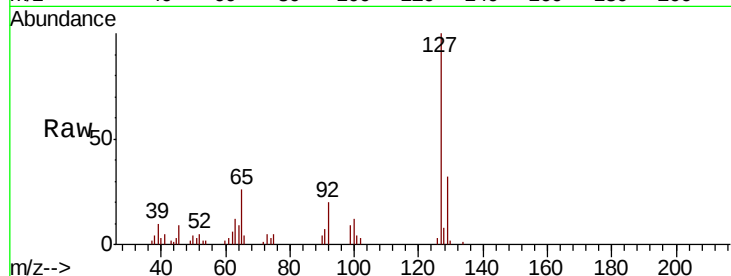




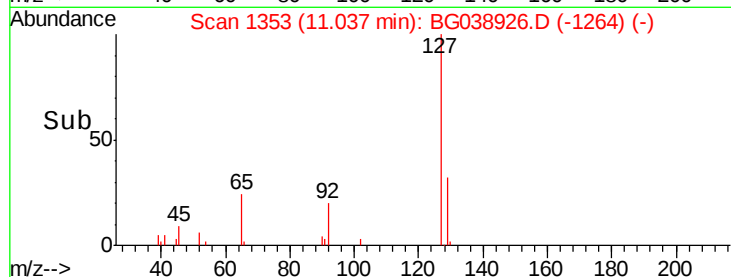
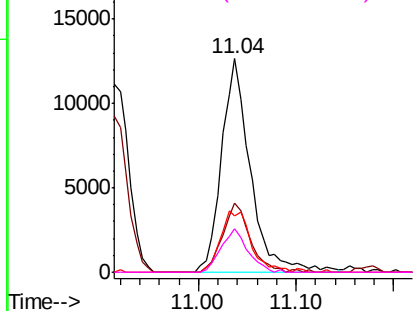
#33  
4-Chloroaniline  
Concen: 13.362 ng  
RT: 11.04 min Scan# 1353  
Delta R.T. -0.01 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tot Ion:127 | Resp: | 25933      |
| Ion Ratio   | Lower | Upper      |
| 127         | 100   |            |
| 129         | 32.1  | 25.8 38.8  |
| 65          | 26.4  | 27.8 41.6# |
| 92          | 20.3  | 17.0 25.6  |

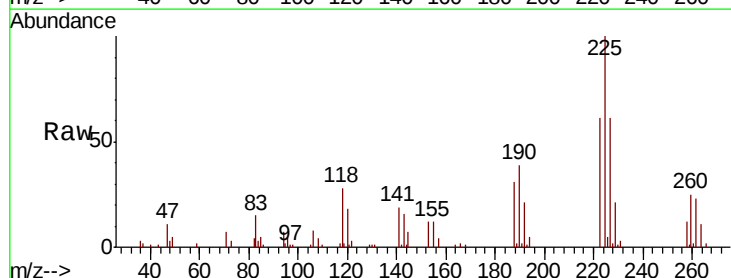


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BG  
Ion 92.00 (91.70 to 92.70): BG

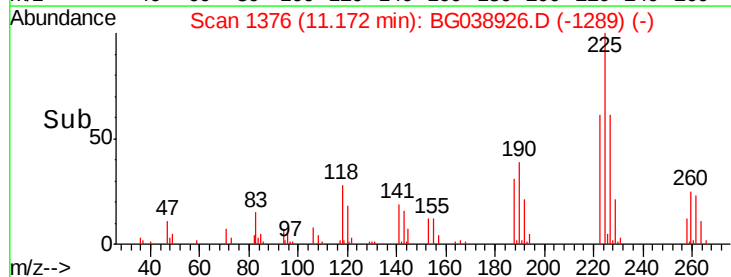
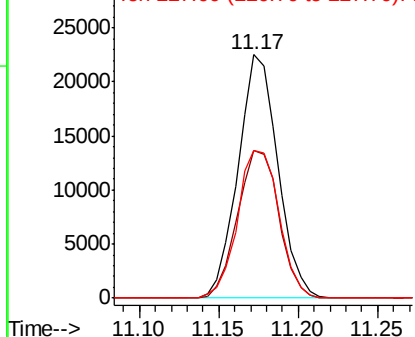


#34  
Hexachlorobutadiene  
Concen: 32.658 ng  
RT: 11.17 min Scan# 1376  
Delta R.T. -0.02 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 39133     |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 58.0  | 45.0 67.6 |
| 227         | 60.2  | 50.6 75.8 |



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

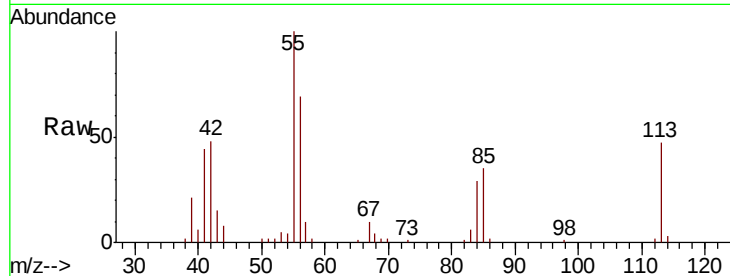




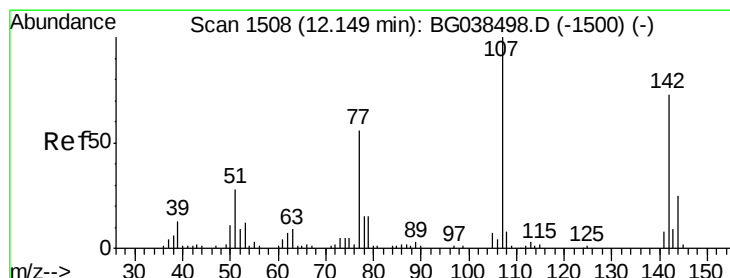
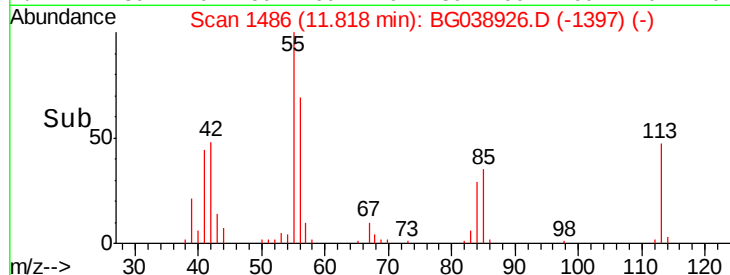
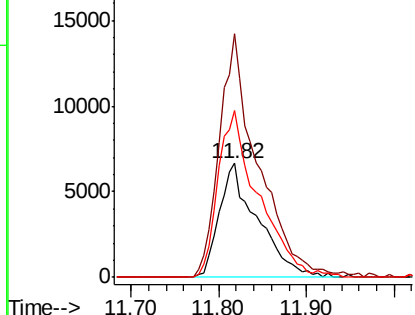
#35  
Caprolactam  
Concen: 33.080 ng  
RT: 11.82 min Scan# 1486  
Delta R.T. -0.01 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:113 Resp: 20071  
Ion Ratio Lower Upper  
113 100  
55 213.2 204.3 244.3  
56 146.3 135.0 175.0

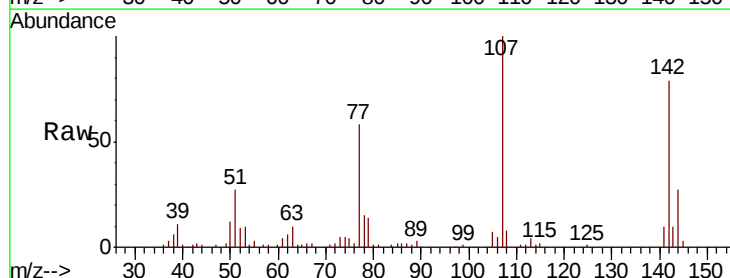


Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BG  
Ion 56.00 (55.70 to 56.70): BG

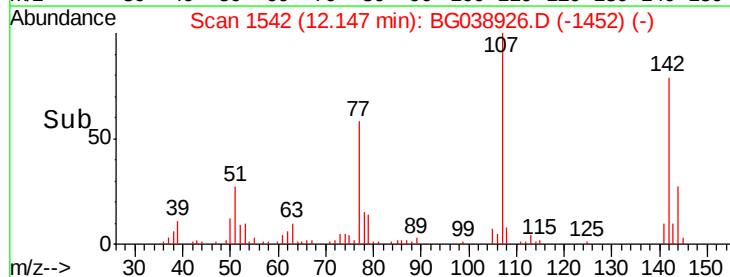
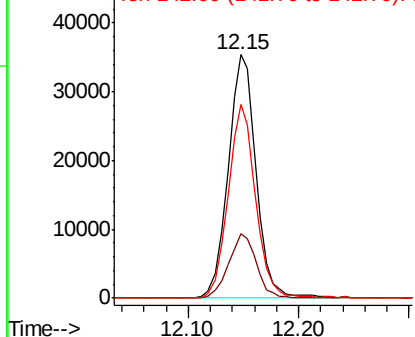


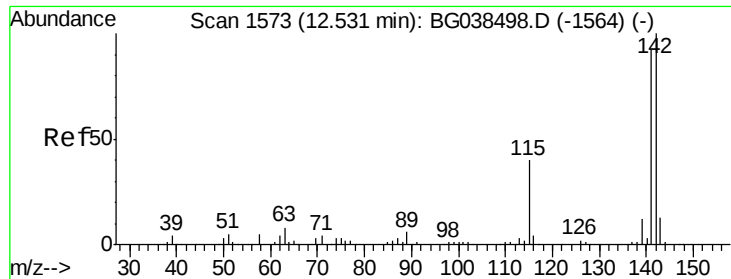
#36  
4-Chloro-3-methylphenol  
Concen: 37.219 ng  
RT: 12.15 min Scan# 1542  
Delta R.T. -0.00 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Tgt Ion:107 Resp: 62270  
Ion Ratio Lower Upper  
107 100  
144 26.6 20.1 30.1  
142 79.4 58.7 88.1



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

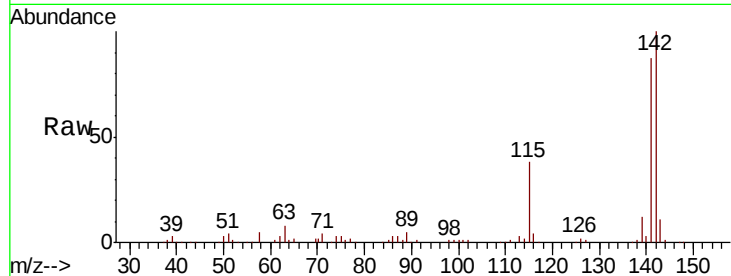




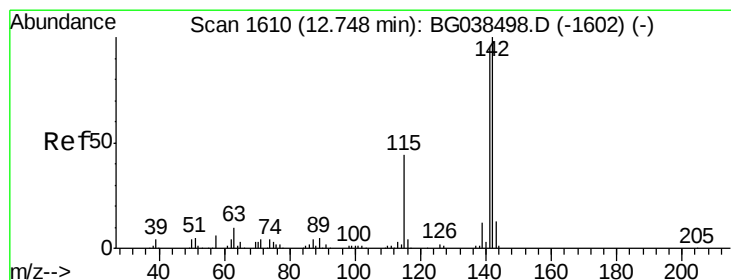
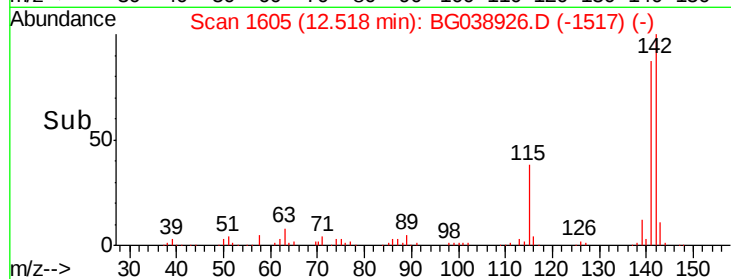
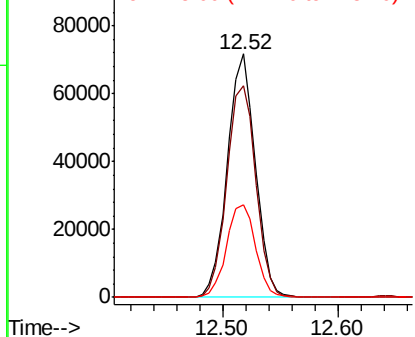
#37  
2-Methylnaphthalene  
Concen: 37.770 ng  
RT: 12.52 min Scan# 1605  
Delta R.T. -0.01 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:142 Resp: 120454  
Ion Ratio Lower Upper  
142 100  
141 86.7 73.5 110.3  
115 38.0 31.7 47.5

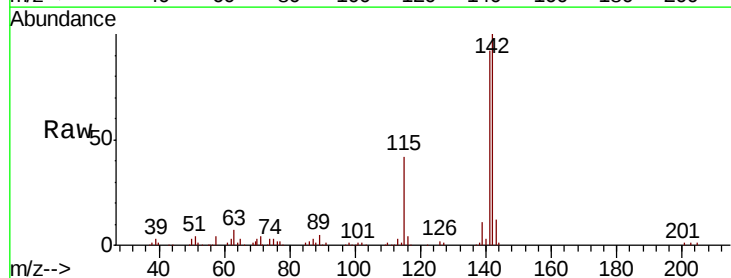


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

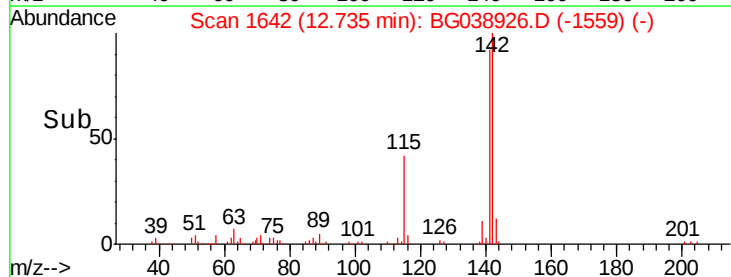
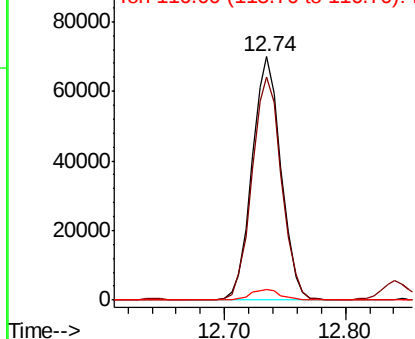


#38  
1-Methylnaphthalene  
Concen: 37.575 ng  
RT: 12.74 min Scan# 1642  
Delta R.T. -0.01 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Tgt Ion:142 Resp: 116282  
Ion Ratio Lower Upper  
142 100  
141 91.7 75.8 113.8  
116 4.5 3.6 5.4



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

Instrument :

BNA\_G

ClientSampled :

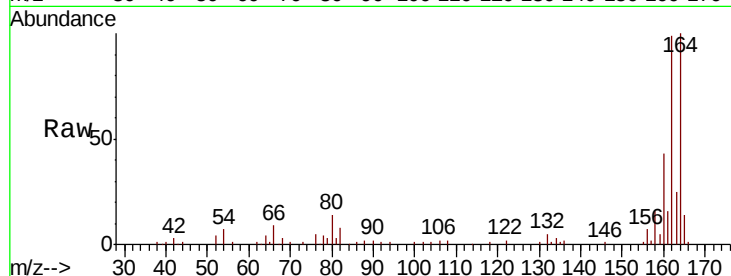
Tot Ion:164 Resp: 67370

Ion Ratio Lower Upper

164 100

162 99.3 86.6 130.0

160 43.5 34.2 51.2

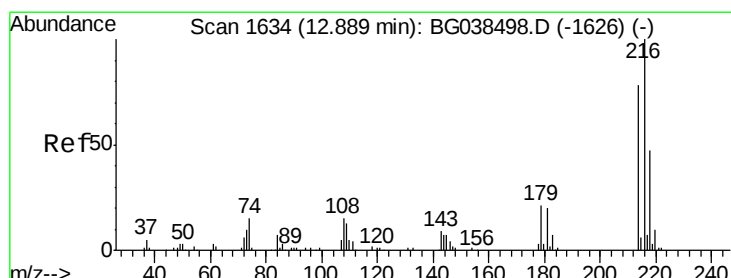
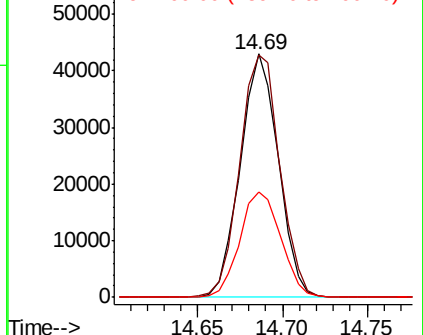
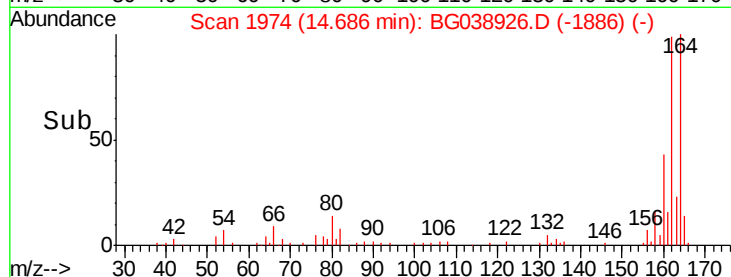


Abundance

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: 29.825 ng

RT: 12.88 min Scan# 1667

Delta R.T. -0.01 min

Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

Tgt Ion:216 Resp: 75106

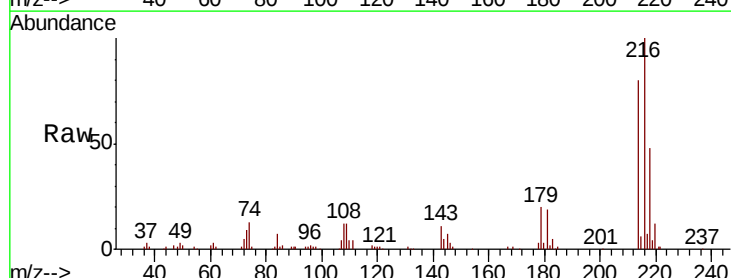
Ion Ratio Lower Upper

216 100

214 81.4 64.1 96.1

179 19.6 16.4 24.6

108 16.3 13.9 20.9



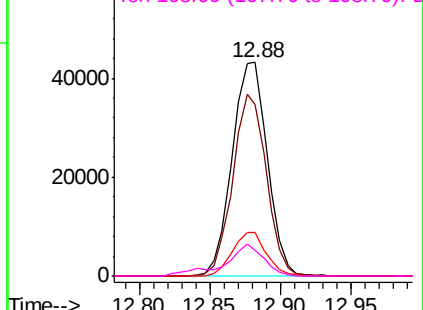
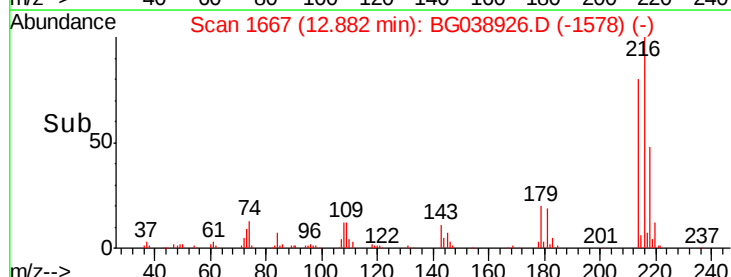
Abundance

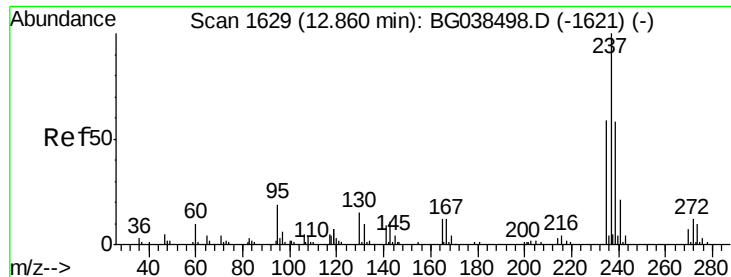
Ion 216.00 (215.70 to 216.70): E

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: 63.482 ng

RT: 12.84 min Scan# 1660

Delta R.T. -0.02 min

Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

Instrument :

BNA\_G

ClientSampleId :

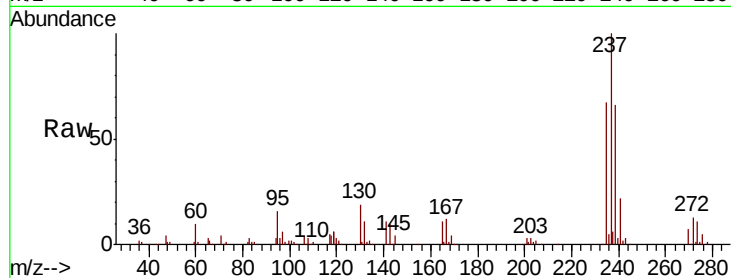
Tot Ion:237 Resp: 87829

Ion Ratio Lower Upper

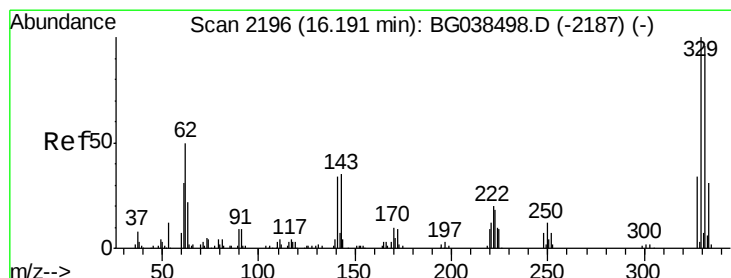
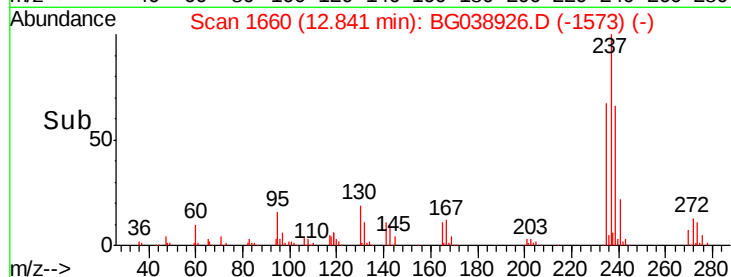
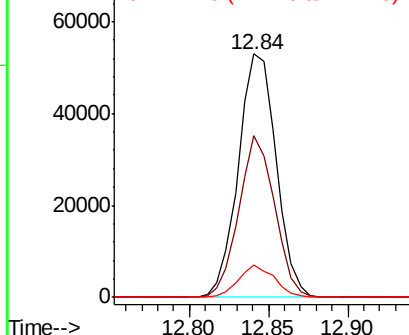
237 100

235 66.6 38.8 78.8

272 13.4 0.0 32.0



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: 129.833 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.01 min

Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

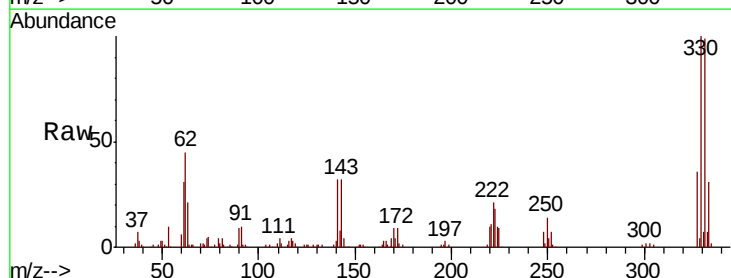
Tgt Ion:330 Resp: 120547

Ion Ratio Lower Upper

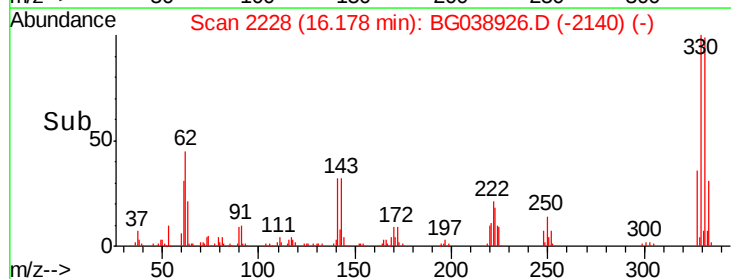
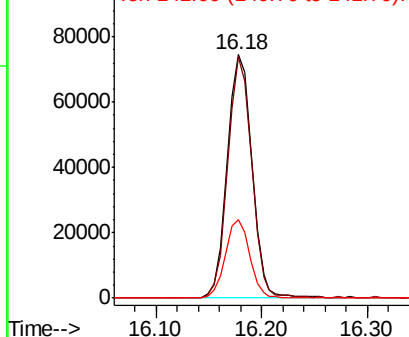
330 100

332 95.8 76.9 115.3

141 31.7 28.8 43.2



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

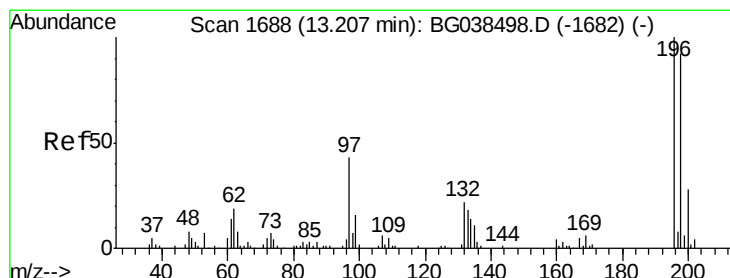
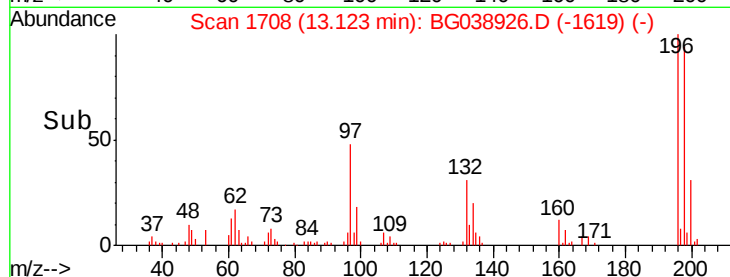
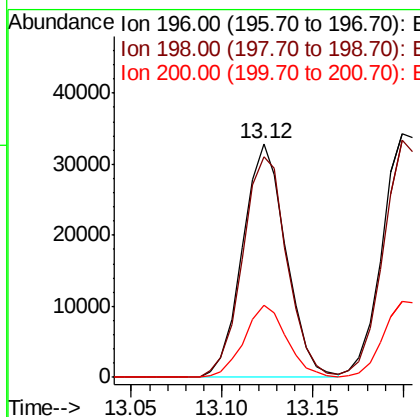
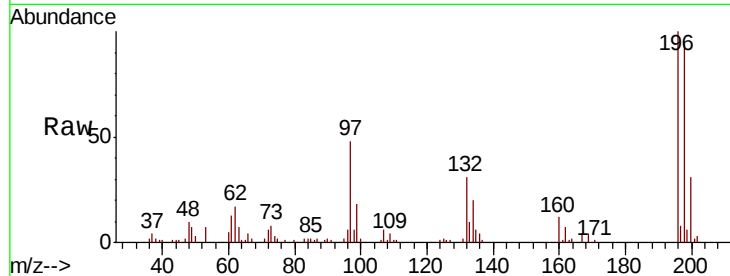




#43  
 2,4,6-Trichlorophenol  
 Concen: 35.401 ng  
 RT: 13.12 min Scan# 1708  
 Delta R.T. -0.01 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

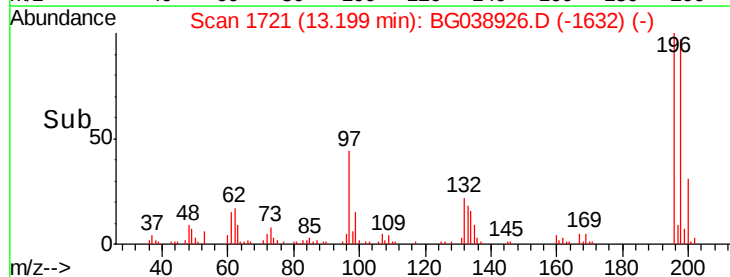
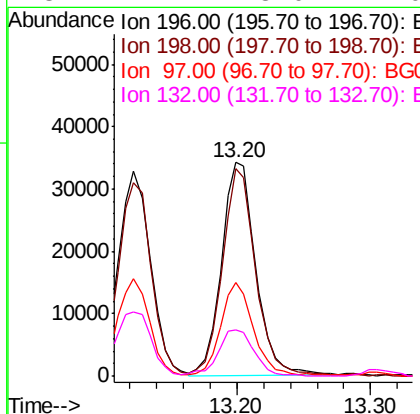
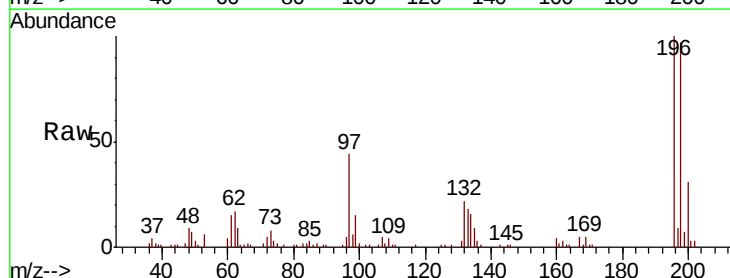
Instrument :  
 BNA\_G  
 ClientSampled :

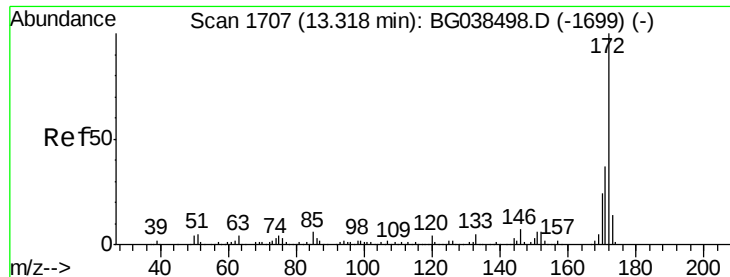
Tot Ion:196 Resp: 54814  
 Ion Ratio Lower Upper  
 196 100  
 198 94.3 75.0 112.4  
 200 30.8 22.4 33.6



#44  
 2,4,5-Trichlorophenol  
 Concen: 37.169 ng  
 RT: 13.20 min Scan# 1721  
 Delta R.T. -0.01 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

Tgt Ion:196 Resp: 60935  
 Ion Ratio Lower Upper  
 196 100  
 198 97.3 74.0 111.0  
 97 43.6 35.1 52.7  
 132 21.7 18.0 27.0

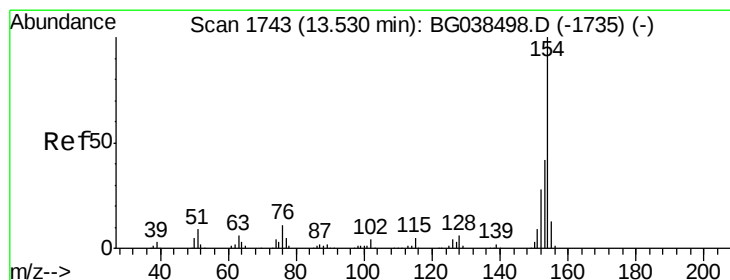
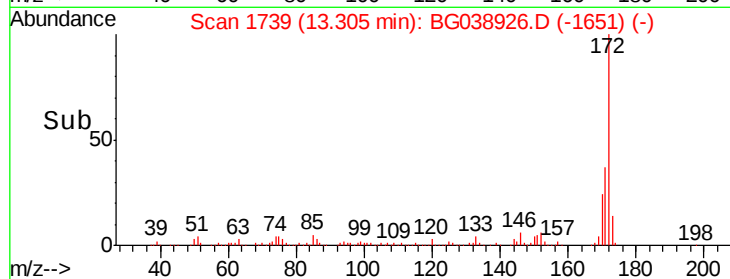
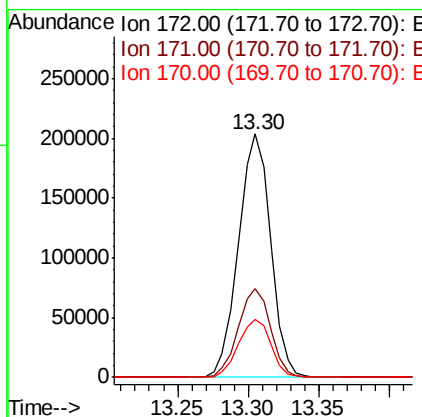
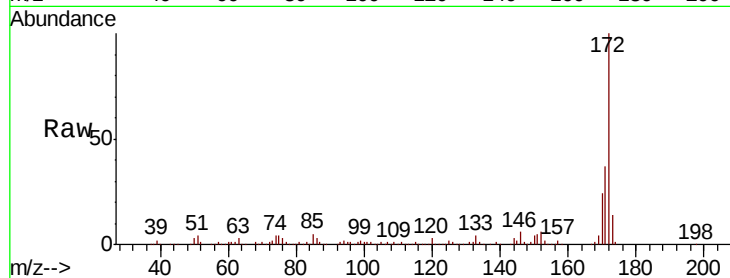




#45  
2-Fluorobiphenyl  
Concen: 66.079 ng  
RT: 13.30 min Scan# 1739  
Delta R.T. -0.01 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

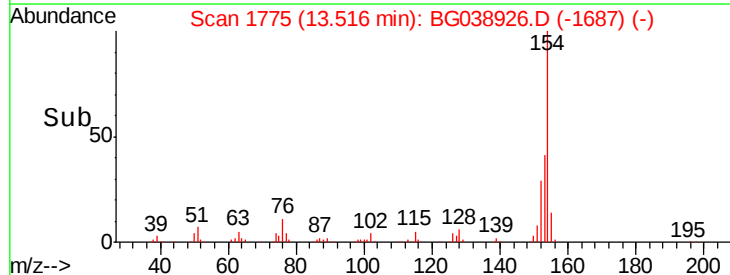
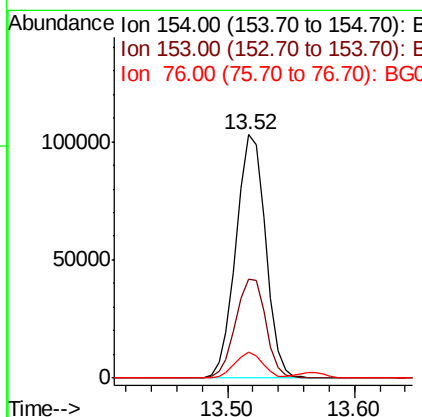
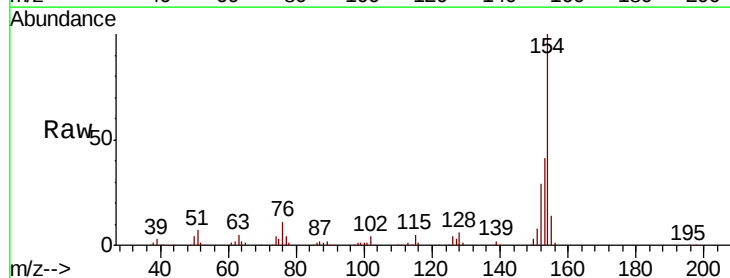
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:172 Resp: 324508  
Ion Ratio Lower Upper  
172 100  
171 36.6 29.8 44.6  
170 23.6 19.5 29.3



#46  
1,1'-Biphenyl  
Concen: 29.502 ng  
RT: 13.52 min Scan# 1775  
Delta R.T. -0.01 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Tgt Ion:154 Resp: 166620  
Ion Ratio Lower Upper  
154 100  
153 40.8 22.1 62.1  
76 10.7 0.0 31.2

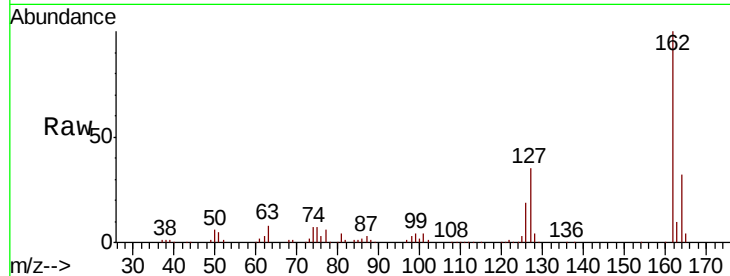




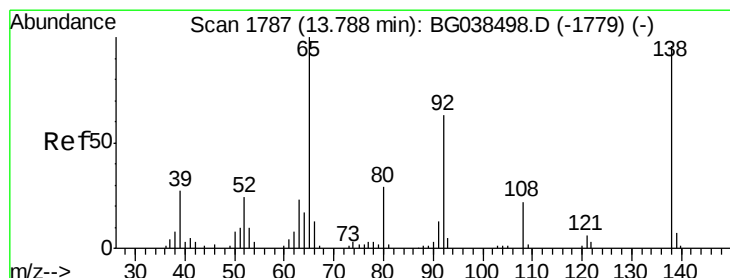
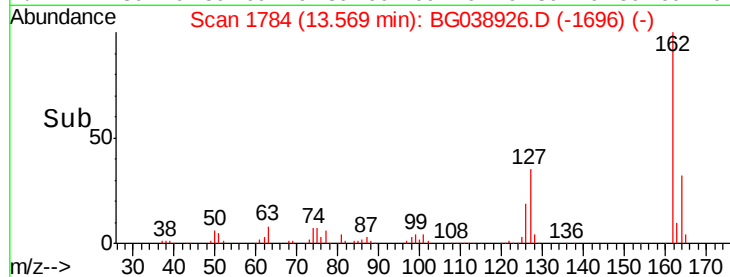
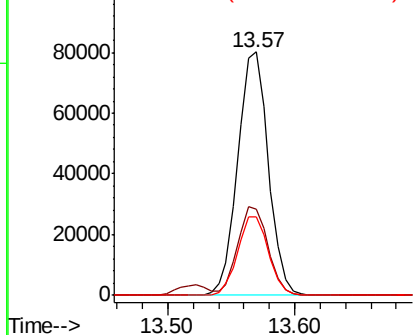
#47  
 2-Chloronaphthalene  
 Concen: 30.658 ng  
 RT: 13.57 min Scan# 1784  
 Delta R.T. -0.01 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:162 Resp: 133751  
 Ion Ratio Lower Upper  
 162 100  
 127 35.4 27.8 41.8  
 164 32.3 26.9 40.3

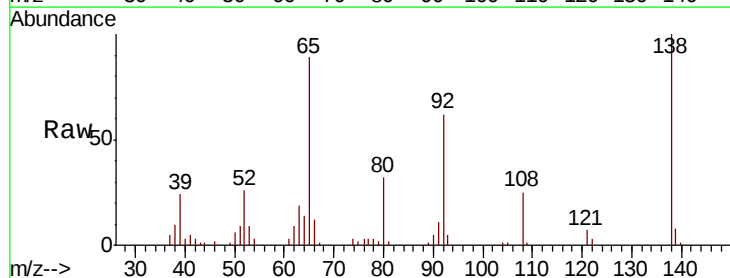


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

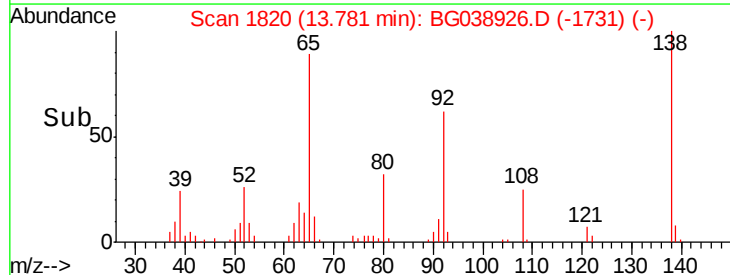
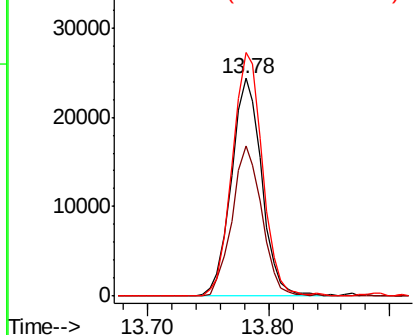


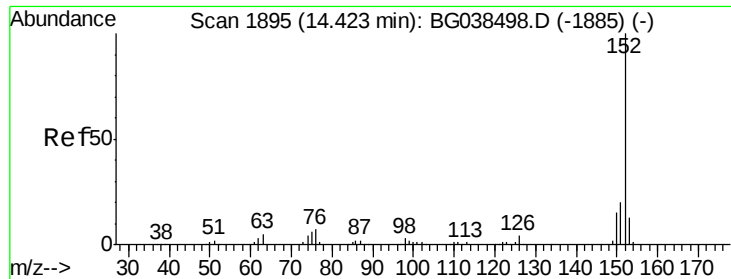
#48  
 2-Nitroaniline  
 Concen: 30.697 ng  
 RT: 13.78 min Scan# 1820  
 Delta R.T. -0.01 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

Tgt Ion: 65 Resp: 42656  
 Ion Ratio Lower Upper  
 65 100  
 92 68.9 50.0 75.0  
 138 111.9 76.9 115.3



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





#49

Acenaphthylene

Concen: 34.517 ng

RT: 14.41 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

Instrument :

BNA\_G

ClientSampleId :

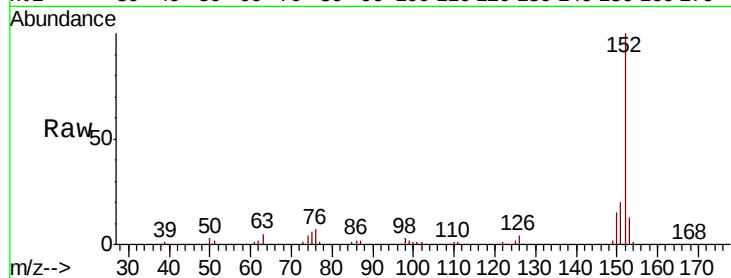
Tot Ion:152 Resp: 225114

Ion Ratio Lower Upper

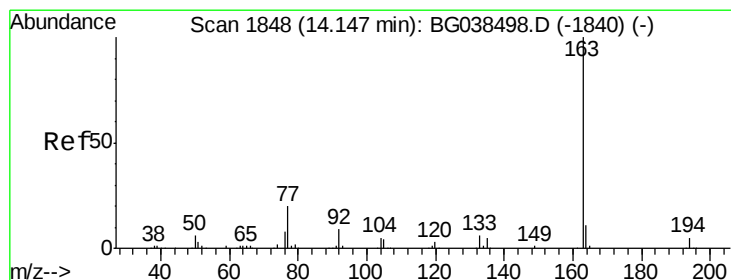
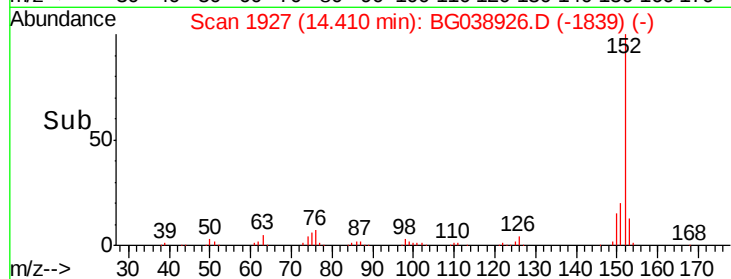
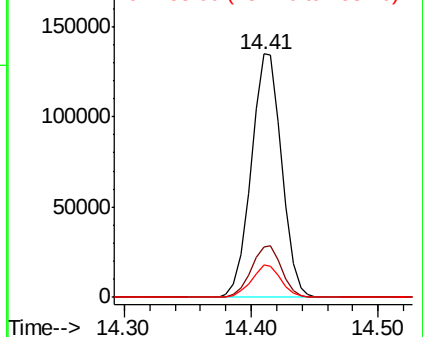
152 100

151 20.5 16.4 24.6

153 13.3 10.4 15.6



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: 33.933 ng

RT: 14.13 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

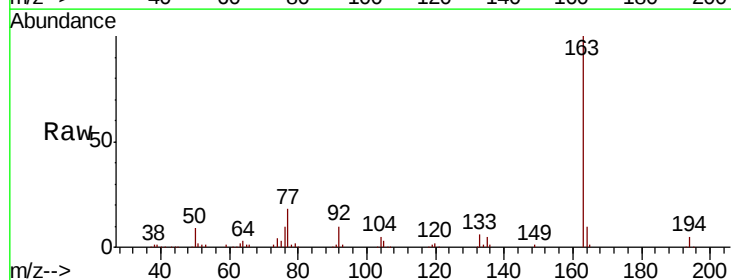
Tgt Ion:163 Resp: 186688

Ion Ratio Lower Upper

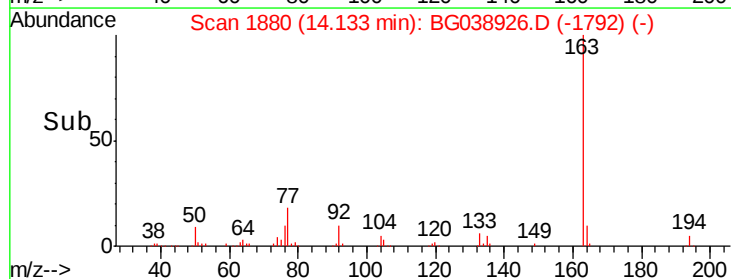
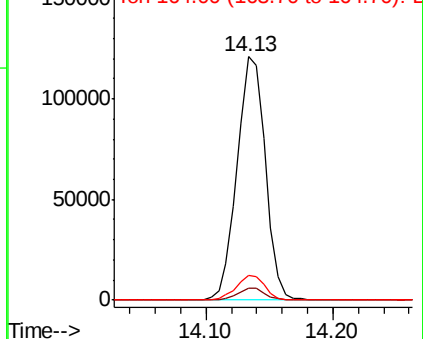
163 100

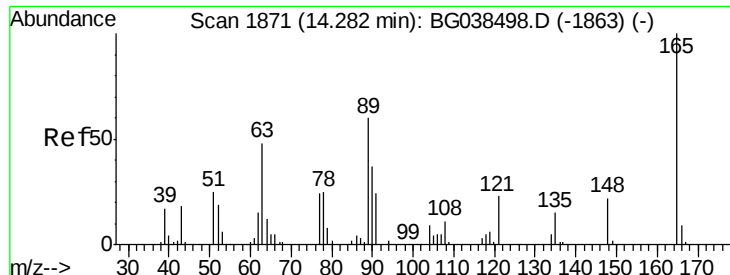
194 4.9 3.7 5.5

164 10.3 8.6 12.8



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

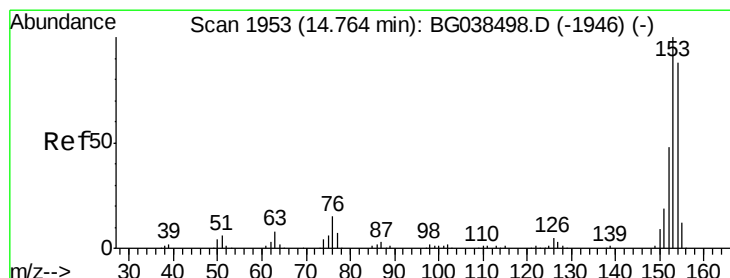
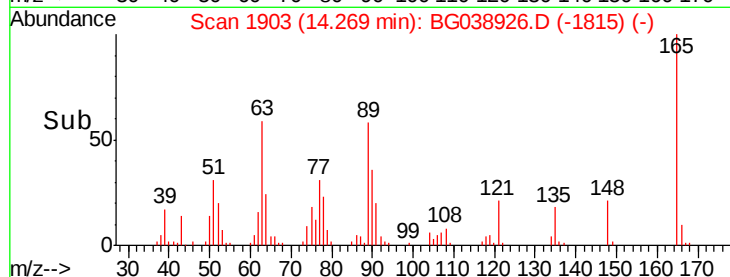
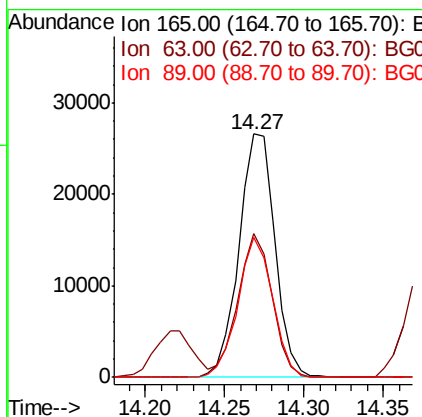
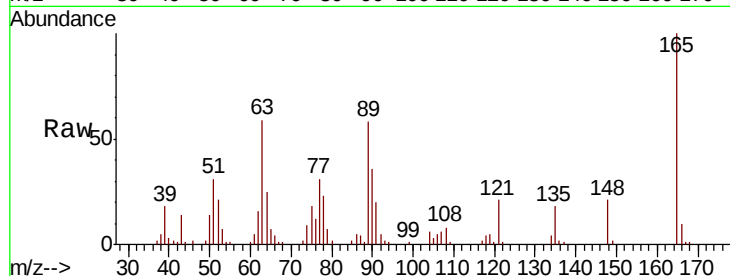




#51  
 2,6-Dinitrotoluene  
 Concen: 33.593 ng  
 RT: 14.27 min Scan# 1903  
 Delta R.T. -0.01 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

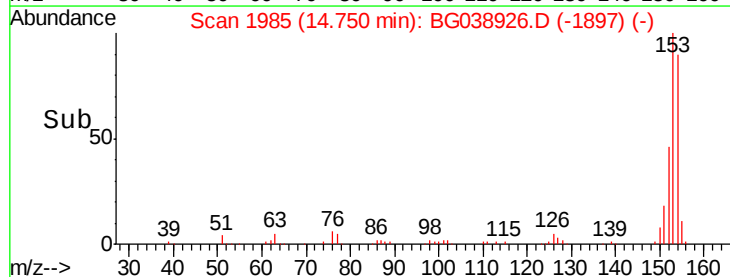
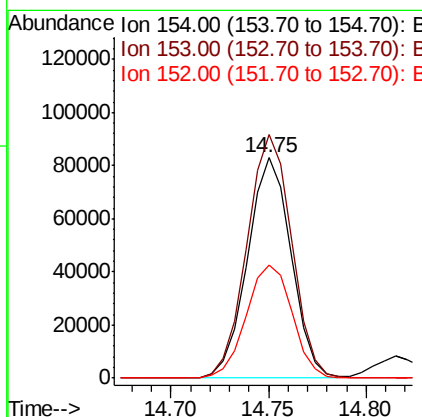
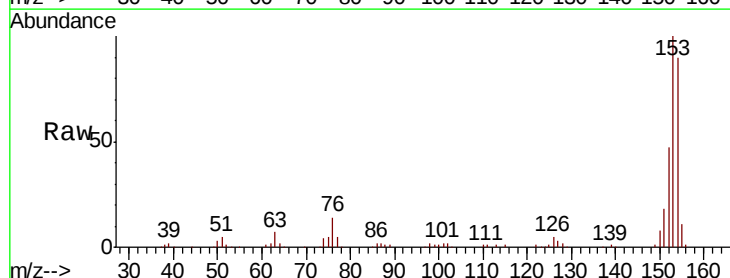
Instrument :  
 BNA\_G  
 ClientSampled :

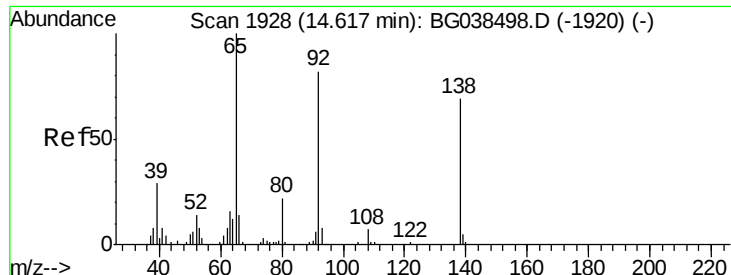
Tot Ion:165 Resp: 41883  
 Ion Ratio Lower Upper  
 165 100  
 63 59.2 51.8 77.6  
 89 57.5 47.9 71.9



#52  
 Acenaphthene  
 Concen: 32.967 ng  
 RT: 14.75 min Scan# 1985  
 Delta R.T. -0.01 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

Tgt Ion:154 Resp: 128569  
 Ion Ratio Lower Upper  
 154 100  
 153 110.5 90.6 136.0  
 152 51.5 43.5 65.3

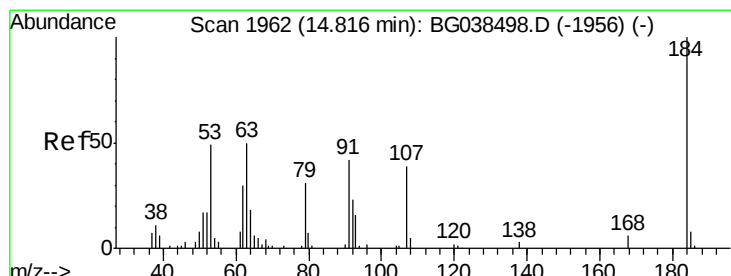
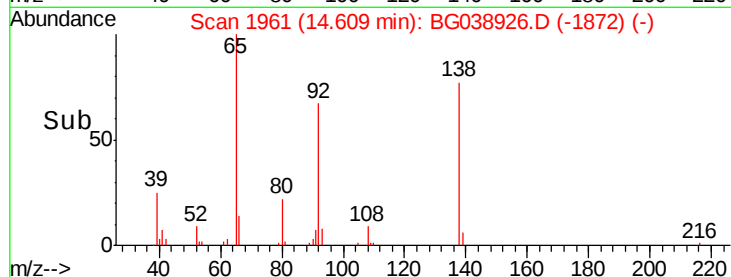
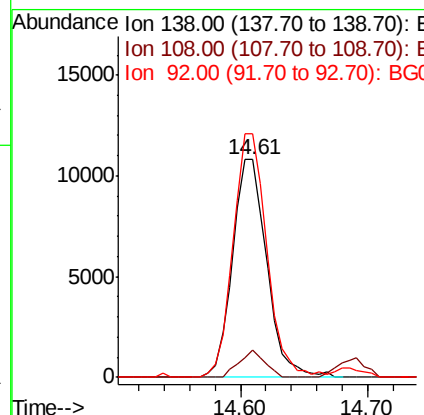
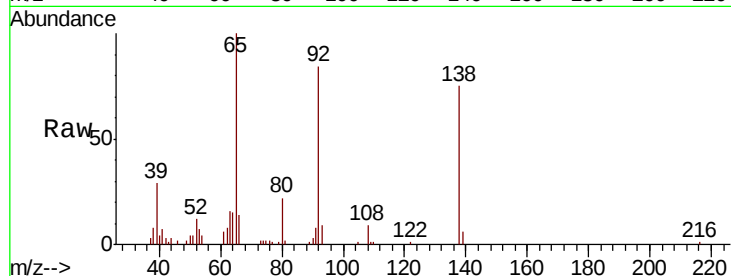




#53  
3-Nitroaniline  
Concen: 15.880 ng  
RT: 14.61 min Scan# 1961  
Delta R.T. -0.01 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

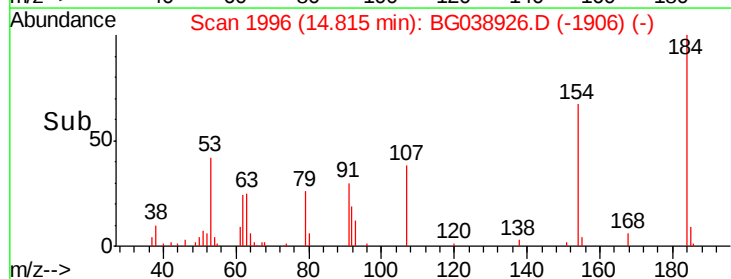
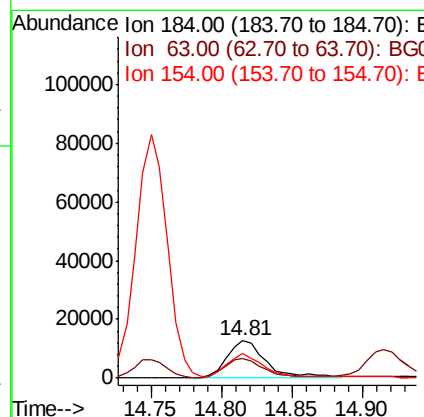
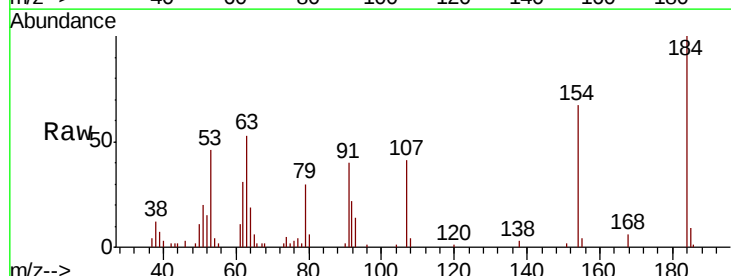
Instrument :  
BNA\_G  
ClientSampleId :

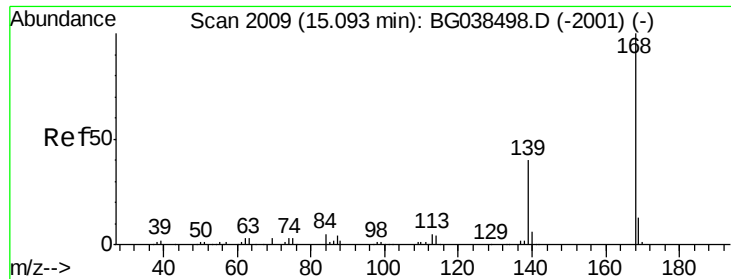
Tot Ion:138 Resp: 20183  
Ion Ratio Lower Upper  
138 100  
108 12.5 7.9 11.9#  
92 111.8 95.3 142.9



#54  
2,4-Dinitrophenol  
Concen: 36.497 ng  
RT: 14.81 min Scan# 1996  
Delta R.T. -0.00 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Tgt Ion:184 Resp: 24840  
Ion Ratio Lower Upper  
184 100  
63 53.3 47.0 70.6  
154 66.9 50.3 75.5

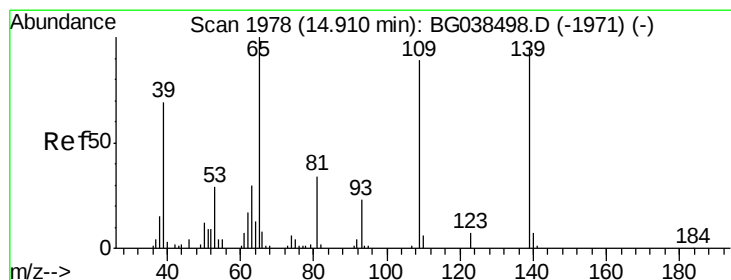
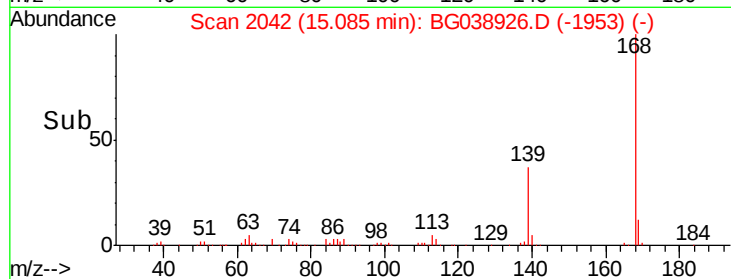
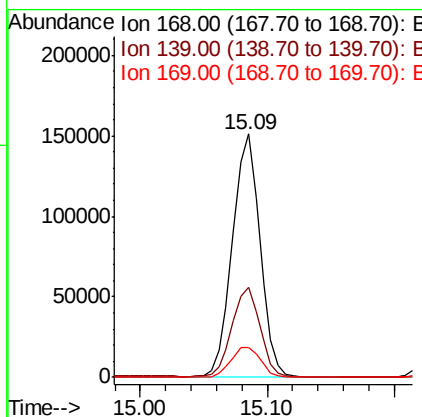
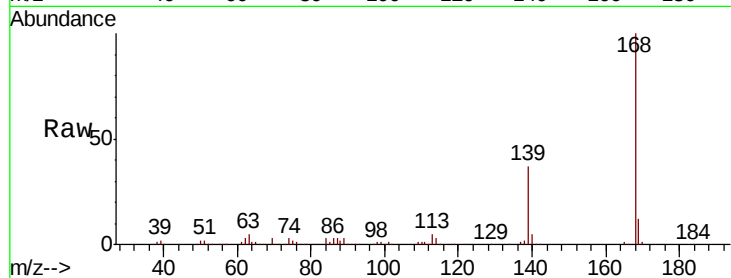




#55  
Dibenzenofuran  
Concen: 33.960 ng  
RT: 15.09 min Scan# 2042  
Delta R.T. -0.01 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

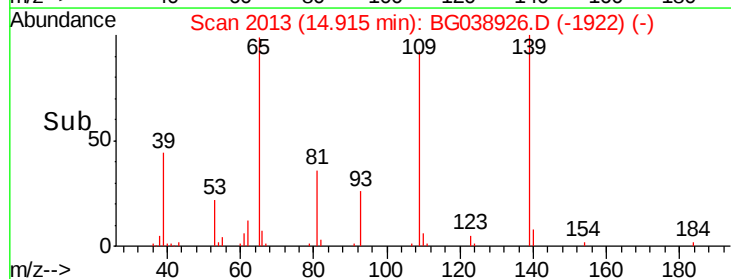
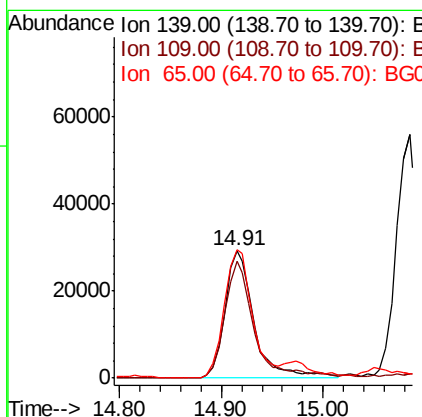
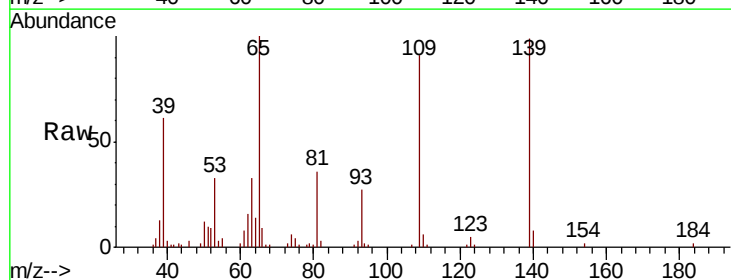
Instrument :  
BNA\_G  
ClientSampleId :

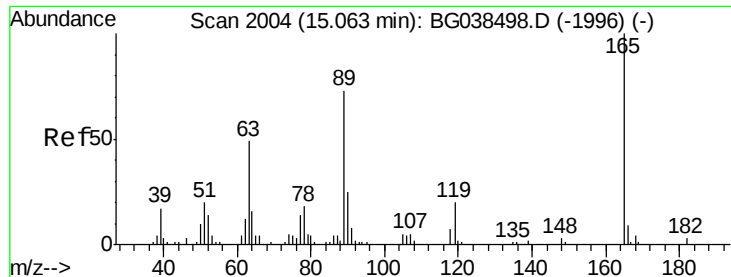
Tot Ion:168 Resp: 227026  
Ion Ratio Lower Upper  
168 100  
139 37.0 32.2 48.2  
169 12.5 10.6 16.0



#56  
4-Nitrophenol  
Concen: 60.386 ng  
RT: 14.91 min Scan# 2013  
Delta R.T. 0.00 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Tgt Ion:139 Resp: 58222  
Ion Ratio Lower Upper  
139 100  
109 92.0 73.6 113.6  
65 100.6 84.8 124.8

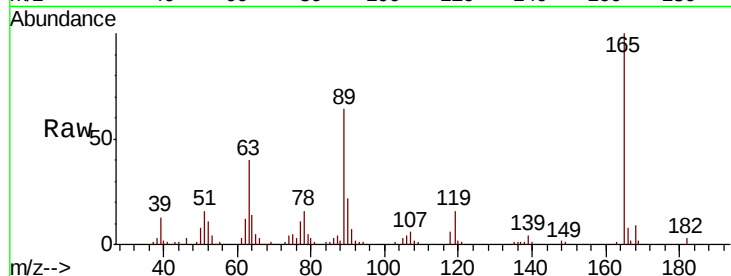




#57  
2,4-Dinitrotoluene  
Concen: 35.619 ng  
RT: 15.06 min Scan# 2037  
Delta R.T. -0.01 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 40.5  | 39.0  | 58.4  |
| 89      | 63.6  | 58.0  | 87.0  |
| 182     | 3.3   | 2.3   | 3.5   |



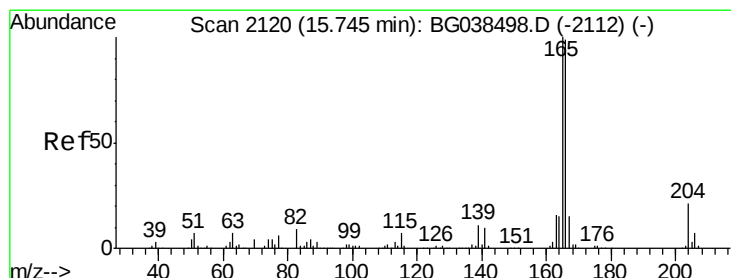
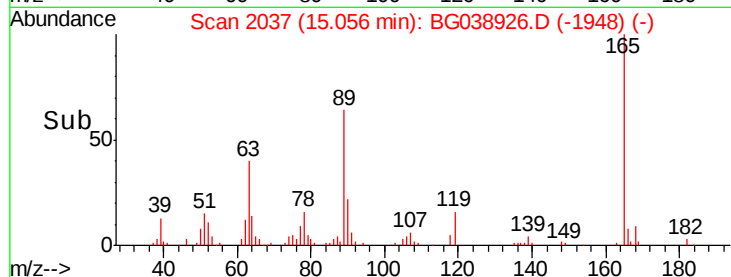
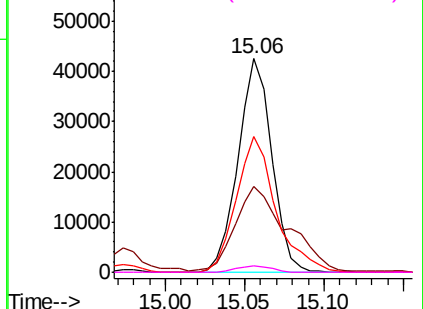
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

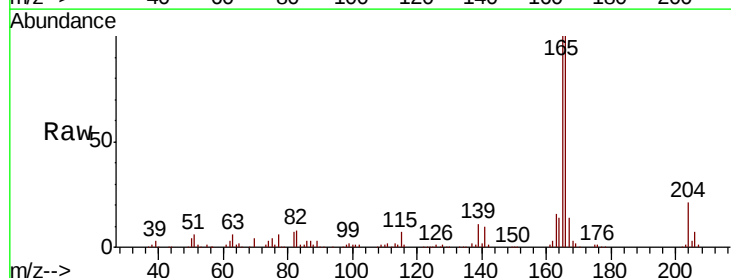
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#58  
Fluorene  
Concen: 37.080 ng  
RT: 15.73 min Scan# 2152  
Delta R.T. -0.01 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.6  | 80.6  | 120.8 |
| 167     | 14.2  | 12.0  | 18.0  |

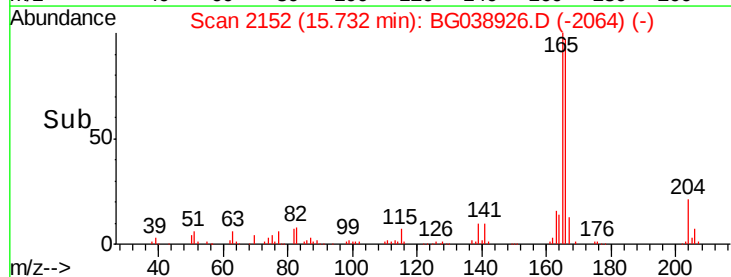
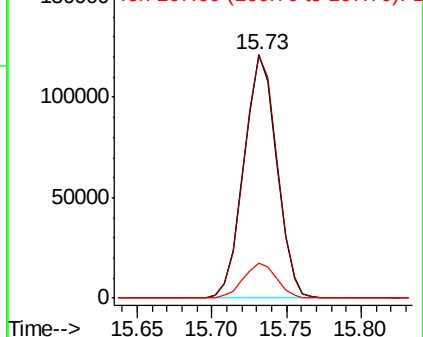


Abundance

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

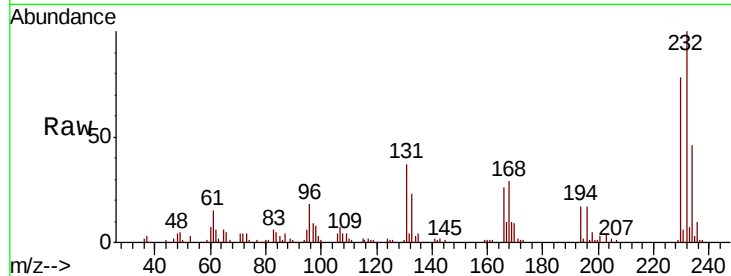




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 40.427 ng  
RT: 15.31 min Scan# 2080  
Delta R.T. -0.01 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 38.3  | 33.0  | 49.4  |
| 130     | 2.2   | 2.0   | 3.0   |
| 166     | 26.0  | 23.1  | 34.7  |



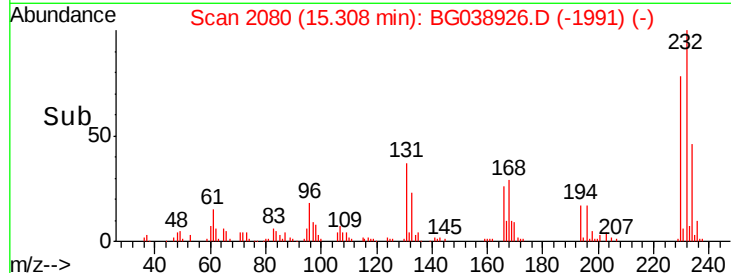
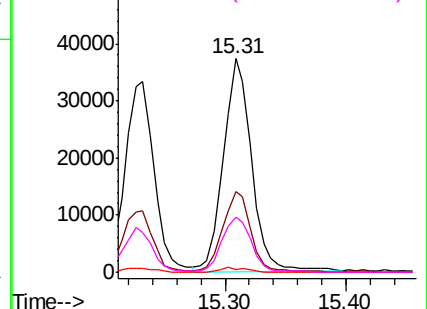
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

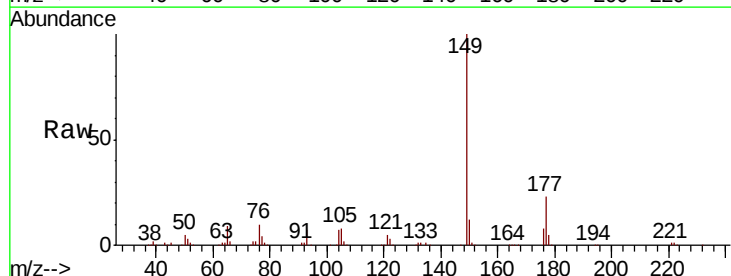
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60  
Diethylphthalate  
Concen: 32.430 ng  
RT: 15.49 min Scan# 2111  
Delta R.T. -0.01 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 23.5  | 17.7  | 26.5  |
| 150     | 12.4  | 9.9   | 14.9  |

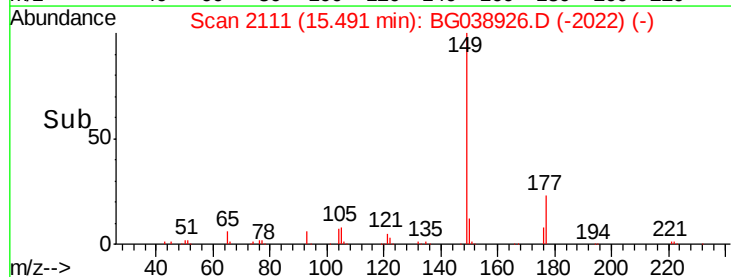
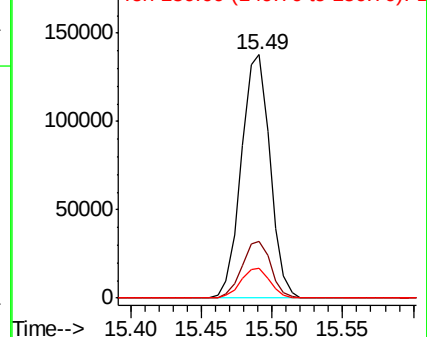


Abundance

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

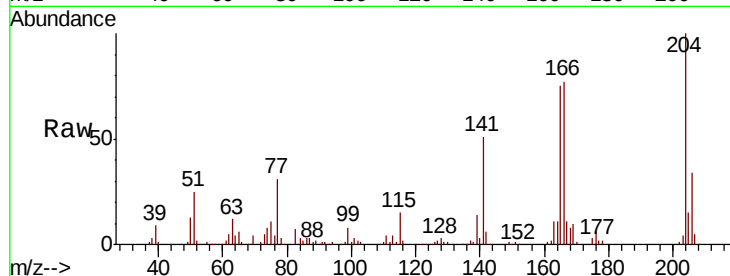




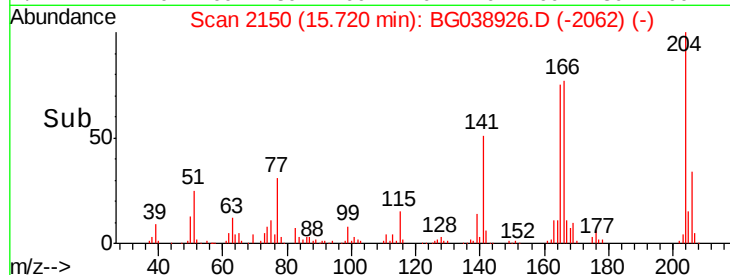
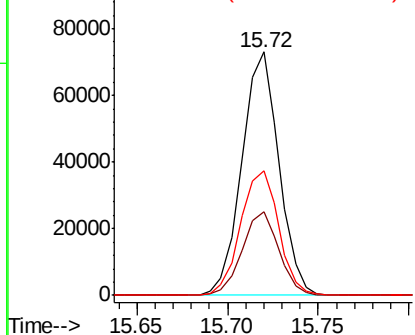
#61  
 4-Chlorophenyl-phenylether  
 Concen: 33.500 ng  
 RT: 15.72 min Scan# 2150  
 Delta R.T. -0.01 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:204 Resp: 103522  
 Ion Ratio Lower Upper  
 204 100  
 206 34.5 26.0 39.0  
 141 51.0 44.4 66.6

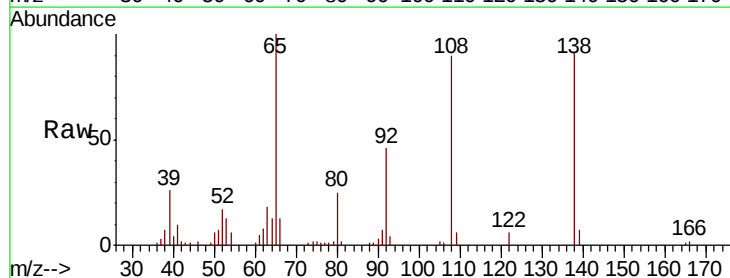


Abundance Ion 204.00 (203.70 to 204.70): E  
 Ion 206.00 (205.70 to 206.70): E  
 Ion 141.00 (140.70 to 141.70): E

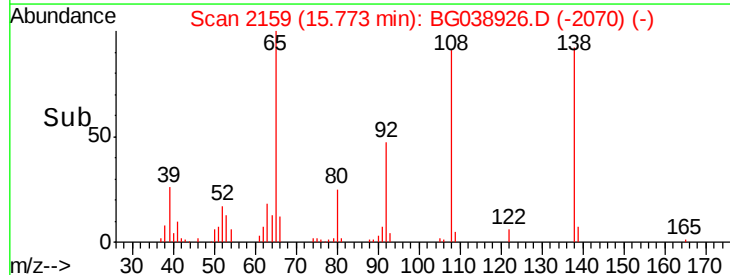
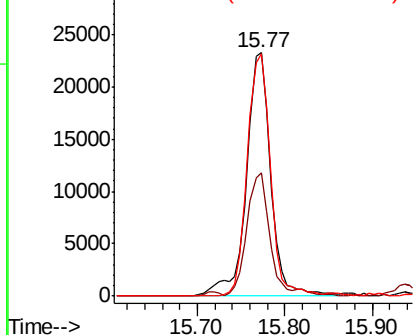


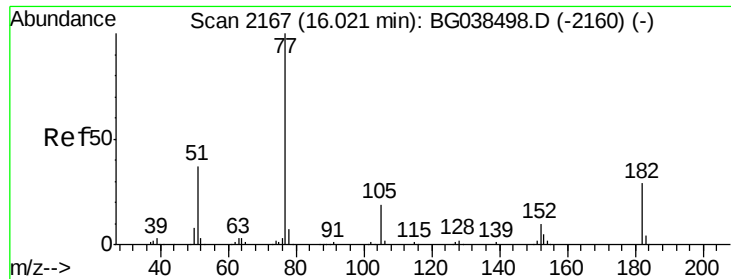
#62  
 4-Nitroaniline  
 Concen: 33.476 ng  
 RT: 15.77 min Scan# 2159  
 Delta R.T. -0.01 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

Tgt Ion:138 Resp: 43802  
 Ion Ratio Lower Upper  
 138 100  
 92 50.7 33.3 73.3  
 108 99.6 81.4 121.4



Abundance Ion 138.00 (137.70 to 138.70): E  
 Ion 92.00 (91.70 to 92.70): BG  
 Ion 108.00 (107.70 to 108.70): E

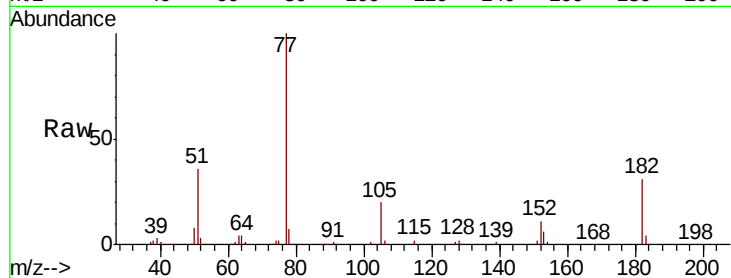




#63  
Azobenzene  
Concen: 31.074 ng  
RT: 16.01 min Scan# 2199  
Delta R.T. -0.01 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 77      | 100  |       |       |       |
| 182     | 30.6 | 8.7   | 48.7  |       |
| 105     | 19.6 | 0.0   | 38.7  |       |
| 51      | 36.3 | 16.6  | 56.6  |       |



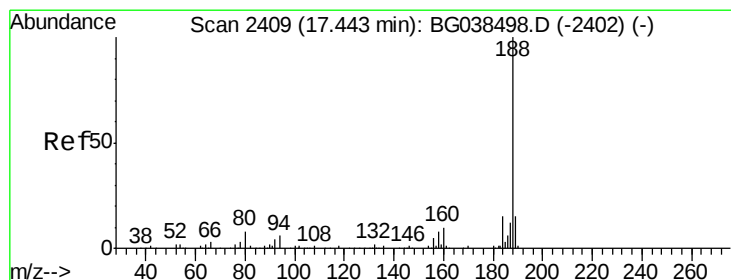
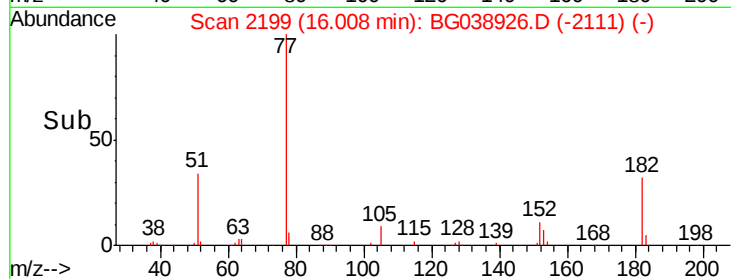
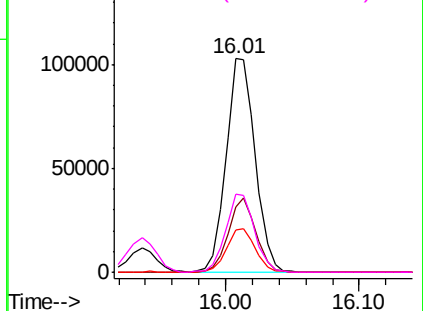
Abundance

Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

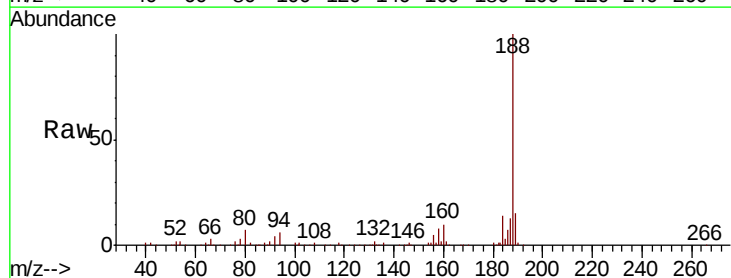
Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.44 min Scan# 2442  
Delta R.T. -0.01 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 188     | 100 |       |       |       |
| 94      | 6.4 | 5.1   | 7.7   |       |
| 80      | 6.6 | 6.1   | 9.1   |       |

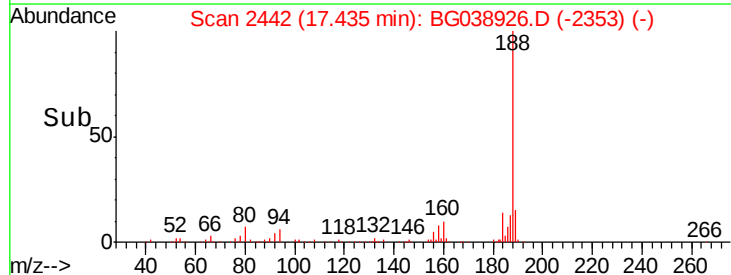
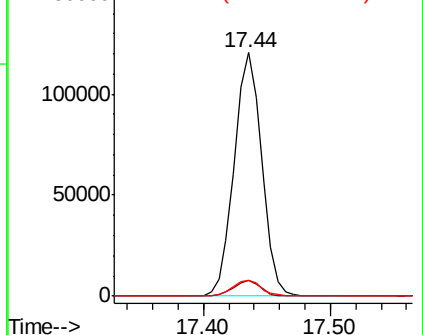


Abundance

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

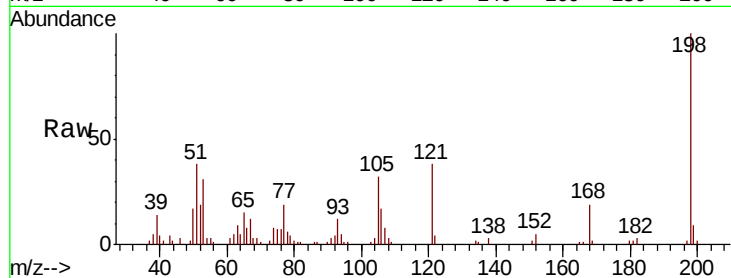




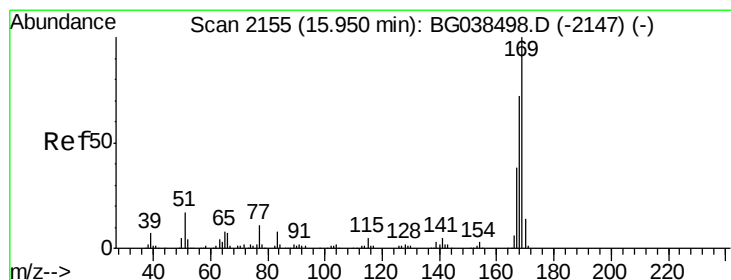
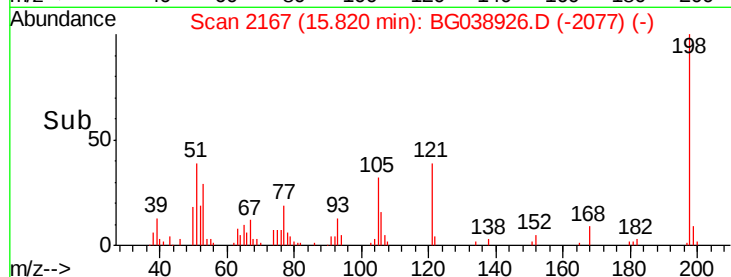
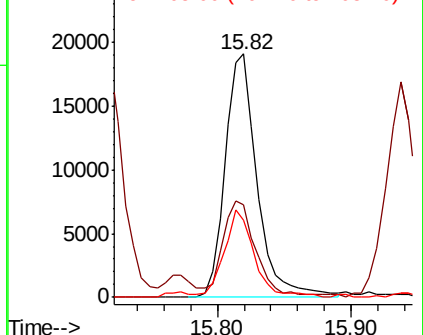
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 24.859 ng  
 RT: 15.82 min Scan# 2167  
 Delta R.T. -0.00 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:198 Resp: 32080  
 Ion Ratio Lower Upper  
 198 100  
 51 38.1 28.6 68.6  
 105 31.6 20.4 60.4

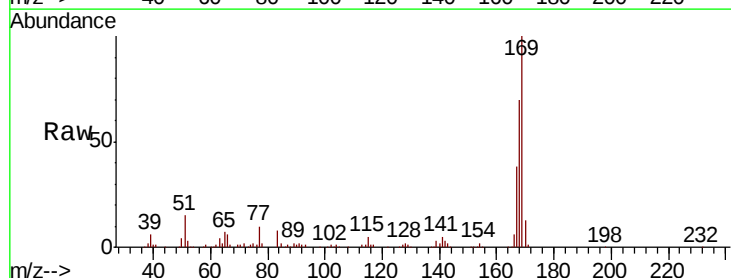


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BG  
 Ion 105.00 (104.70 to 105.70): E

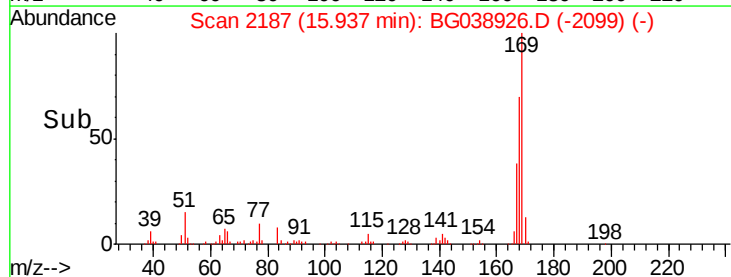
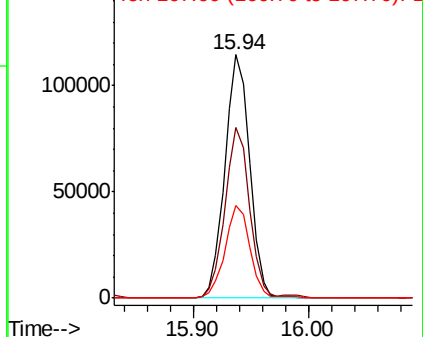


#66  
 n-Nitrosodiphenylamine  
 Concen: 32.111 ng  
 RT: 15.94 min Scan# 2187  
 Delta R.T. -0.01 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

Tgt Ion:169 Resp: 170679  
 Ion Ratio Lower Upper  
 169 100  
 168 70.3 57.5 86.3  
 167 37.9 30.2 45.2



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

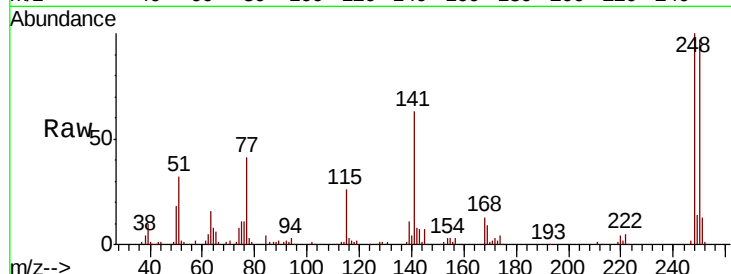




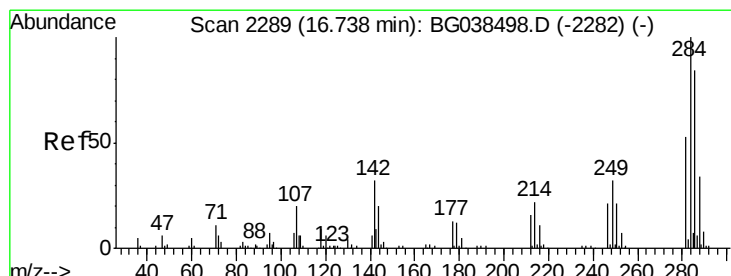
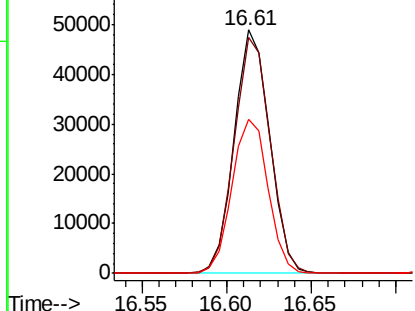
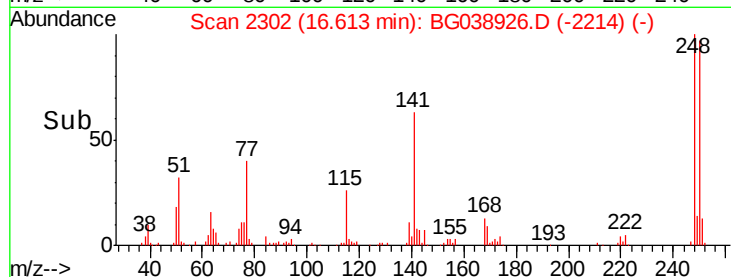
#67  
 4-Bromophenyl-phenylether  
 Concen: 32.295 ng  
 RT: 16.61 min Scan# 2302  
 Delta R.T. -0.01 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:248 Resp: 71350  
 Ion Ratio Lower Upper  
 248 100  
 250 96.9 73.4 110.2  
 141 63.2 52.9 79.3

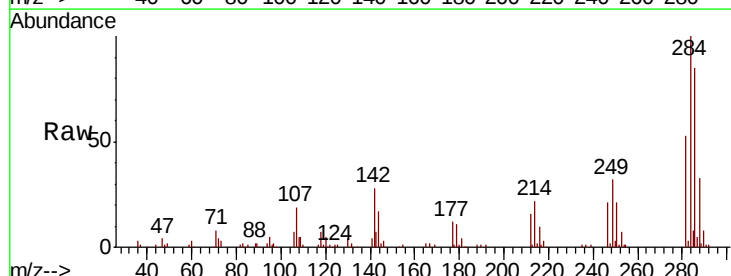


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

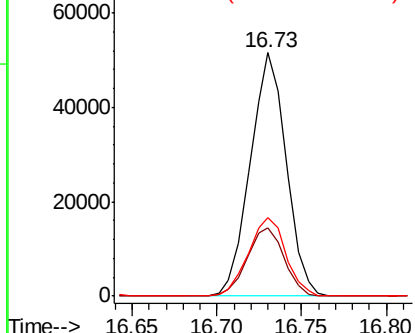
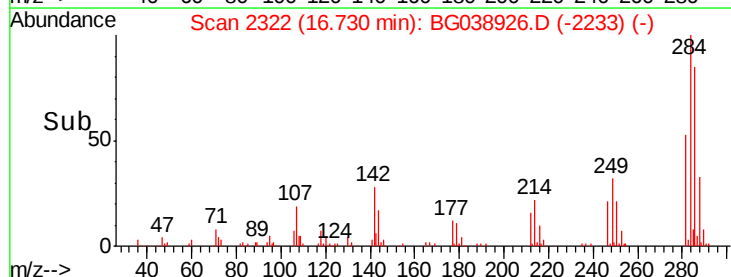


#68  
 Hexachlorobenzene  
 Concen: 33.296 ng  
 RT: 16.73 min Scan# 2322  
 Delta R.T. -0.01 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

Tgt Ion:284 Resp: 76255  
 Ion Ratio Lower Upper  
 284 100  
 142 28.2 25.8 38.6  
 249 35.0 27.0 40.4



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: 36.576 ng

RT: 16.88 min Scan# 2347

Delta R.T. -0.01 min

Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

Instrument :

BNA\_G

ClientSampleId :

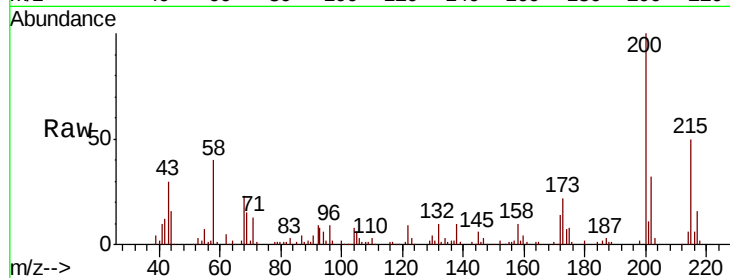
Tot Ion:200 Resp: 72149

Ion Ratio Lower Upper

200 100

173 21.9 5.9 45.9

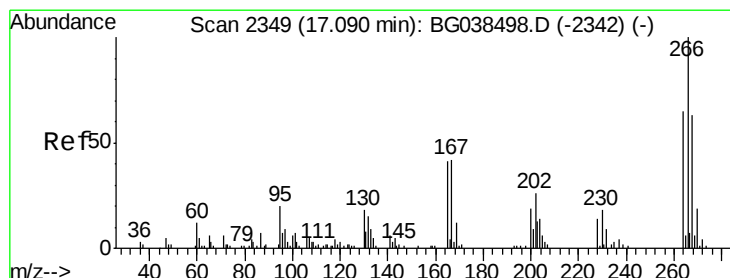
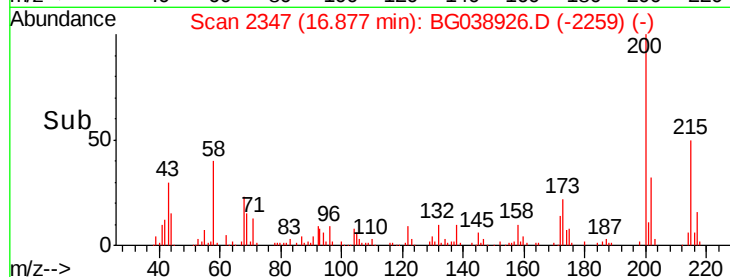
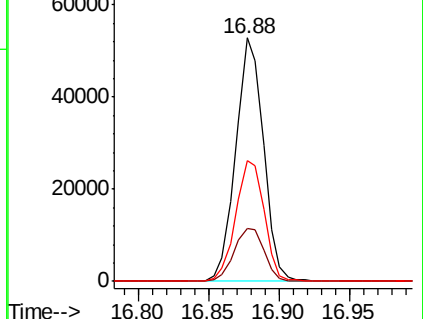
215 49.8 33.1 73.1



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: 56.910 ng

RT: 17.08 min Scan# 2382

Delta R.T. -0.01 min

Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

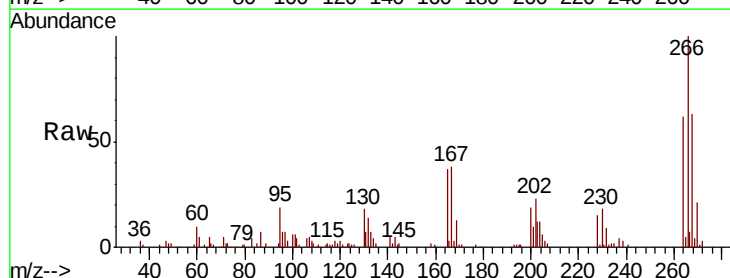
Tgt Ion:266 Resp: 77093

Ion Ratio Lower Upper

266 100

268 66.8 55.0 82.6

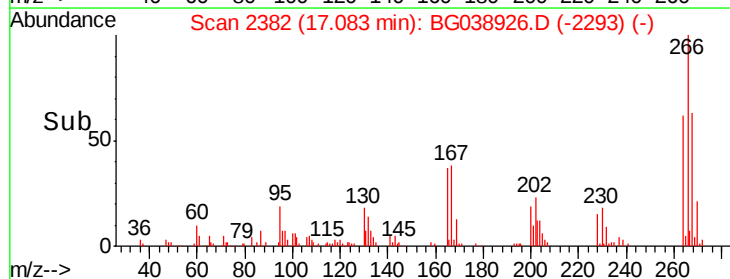
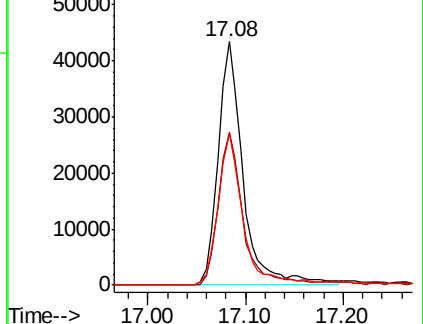
264 67.5 56.7 85.1

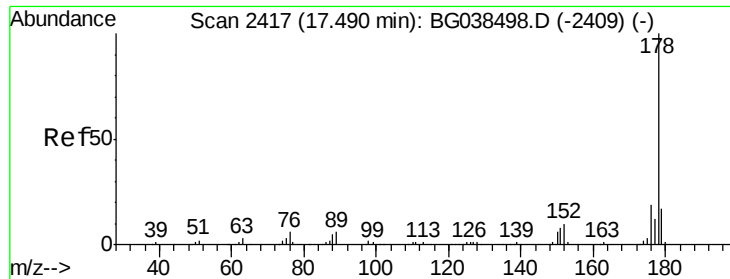


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

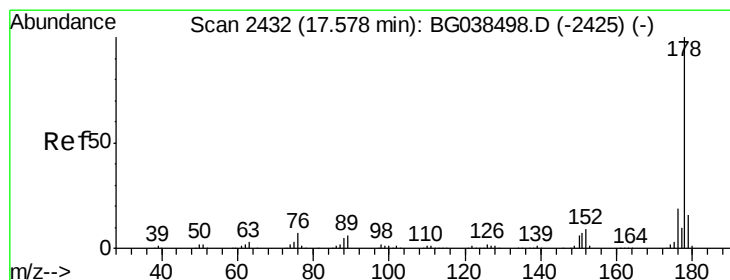
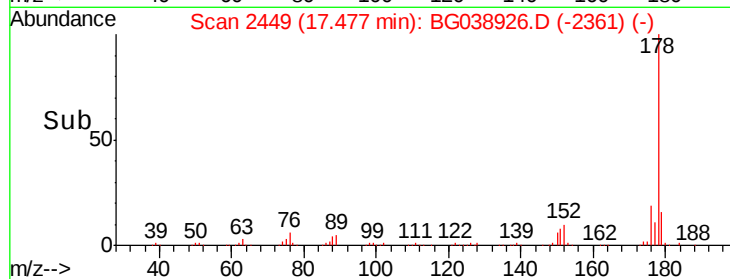
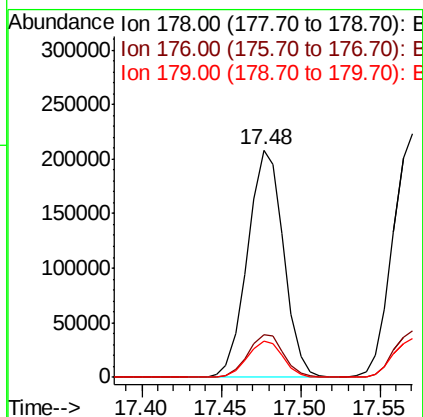
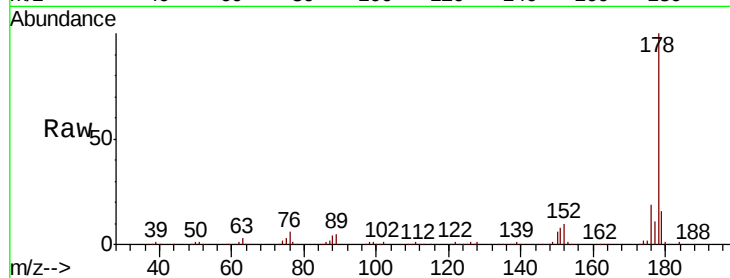




#71  
 Phenanthrene  
 Concen: 35.057 ng  
 RT: 17.48 min Scan# 2449  
 Delta R.T. -0.01 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

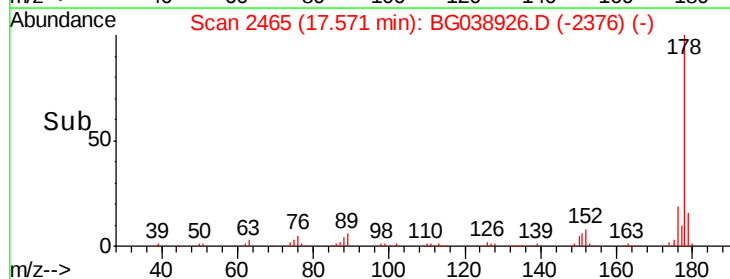
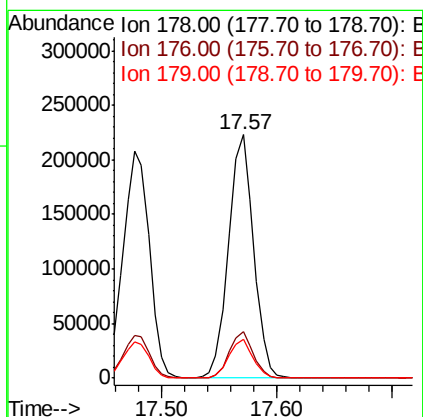
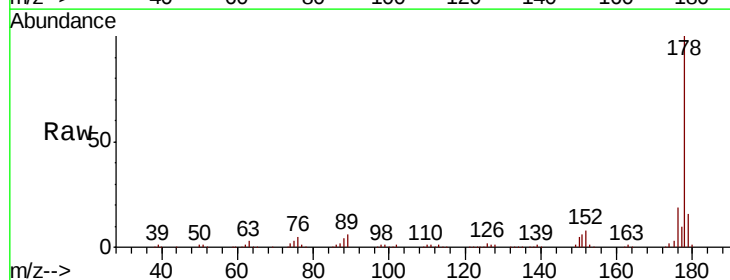
Instrument :  
 BNA\_G  
 ClientSampleId :

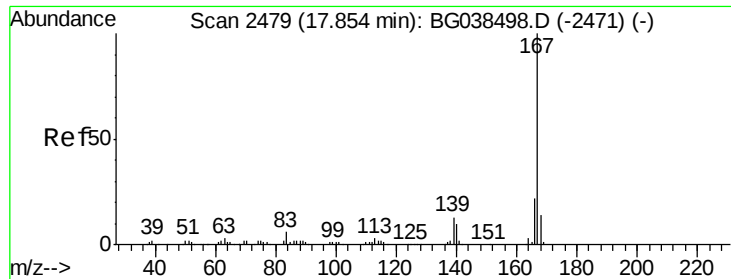
Tot Ion:178 Resp: 328867  
 Ion Ratio Lower Upper  
 178 100  
 176 18.9 15.1 22.7  
 179 16.0 13.2 19.8



#72  
 Anthracene  
 Concen: 36.085 ng  
 RT: 17.57 min Scan# 2465  
 Delta R.T. -0.01 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

Tgt Ion:178 Resp: 334185  
 Ion Ratio Lower Upper  
 178 100  
 176 18.9 15.1 22.7  
 179 16.0 12.9 19.3

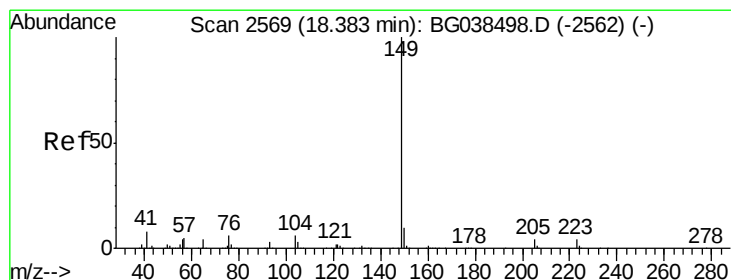
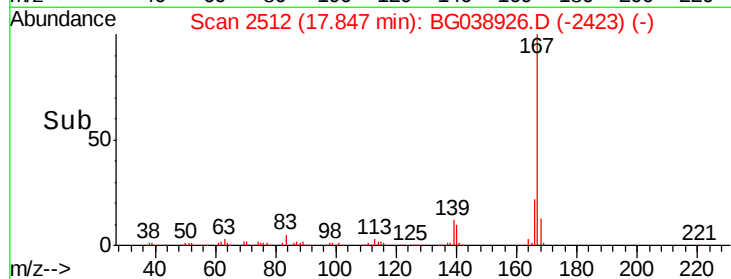
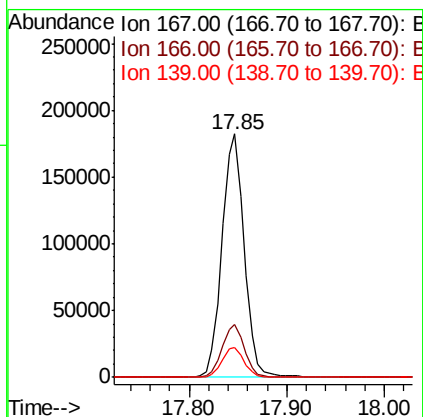
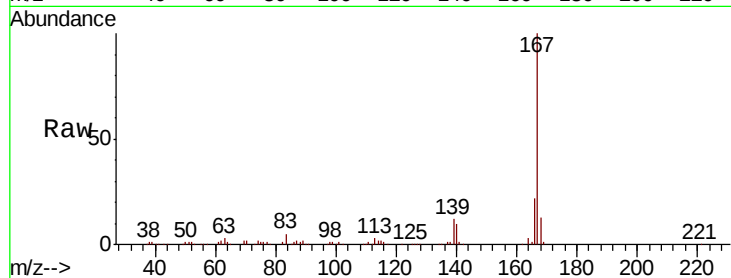




#73  
 Carbazole  
 Concen: 31.393 ng  
 RT: 17.85 min Scan# 2512  
 Delta R.T. -0.01 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

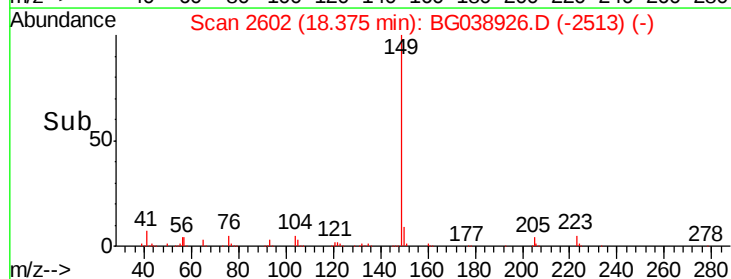
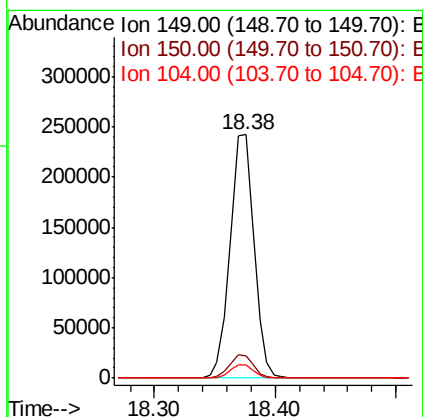
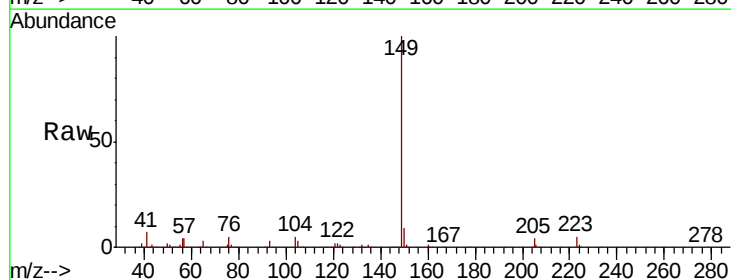
Instrument :  
 BNA\_G  
 ClientSampled :

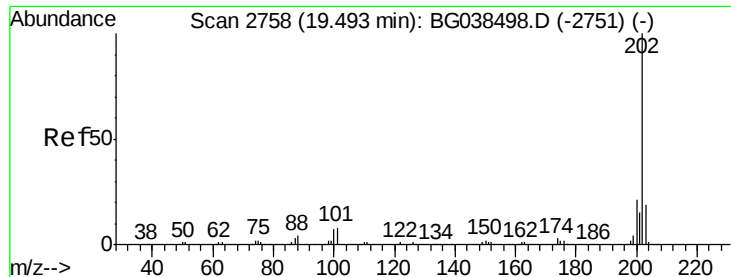
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.8  | 17.9  | 26.9  |
| 139     | 12.2  | 10.2  | 15.2  |



#74  
 Di-n-butylphthalate  
 Concen: 32.034 ng  
 RT: 18.38 min Scan# 2602  
 Delta R.T. -0.01 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.1   | 7.6   | 11.4  |
| 104     | 5.3   | 5.0   | 7.4   |

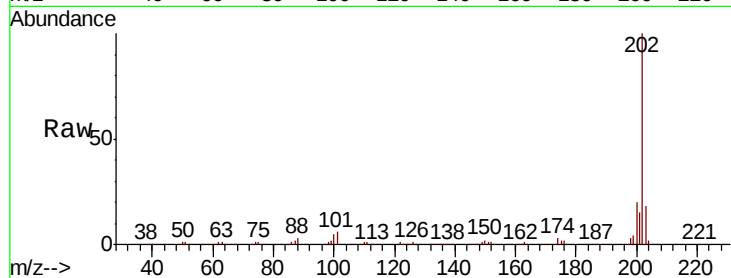




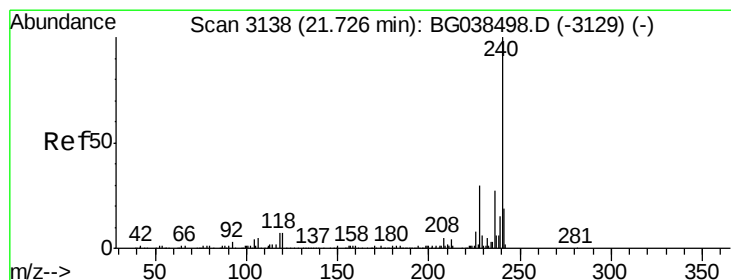
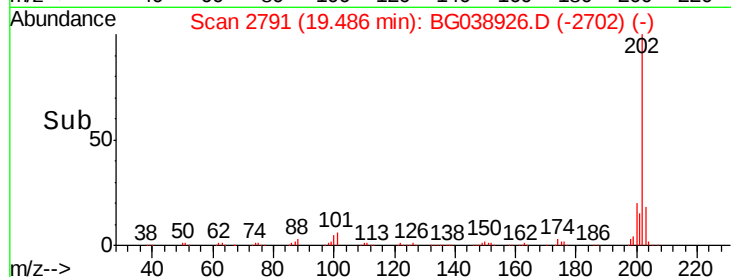
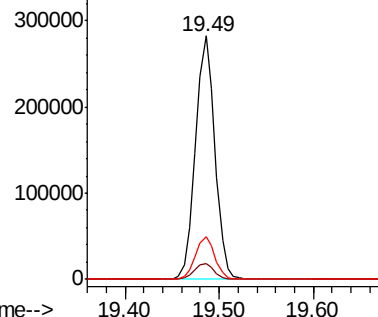
#75  
 Fluoranthene  
 Concen: 35.026 ng  
 RT: 19.49 min Scan# 2791  
 Delta R.T. -0.01 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 6.4   | 0.0   | 28.1  |
| 203     | 17.7  | 0.0   | 39.0  |

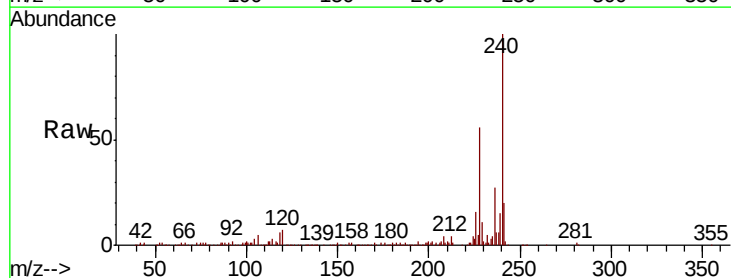


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

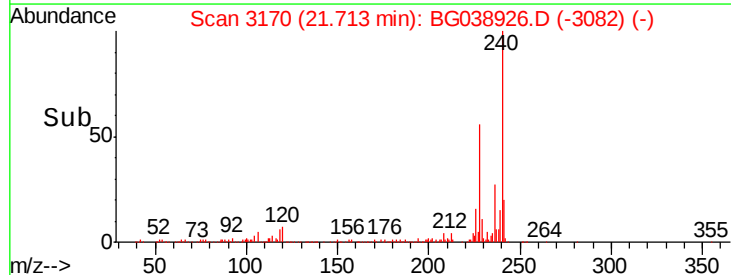
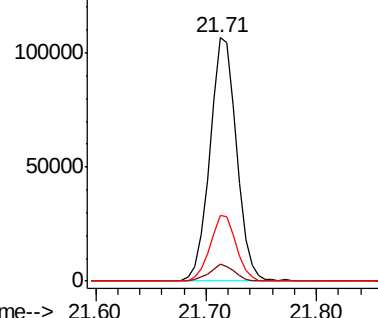


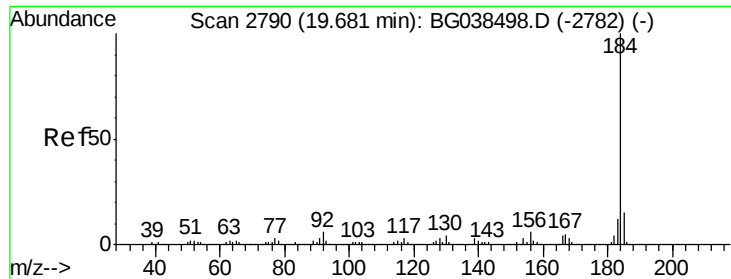
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.71 min Scan# 3170  
 Delta R.T. -0.01 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 7.0   | 5.3   | 7.9   |
| 236     | 27.1  | 21.4  | 32.2  |



Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 18.974 ng

RT: 19.67 min Scan# 2823

Delta R.T. -0.01 min

Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

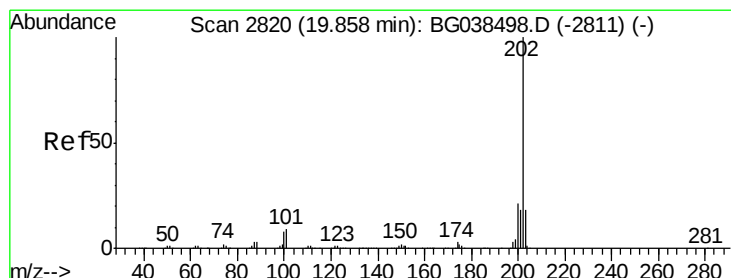
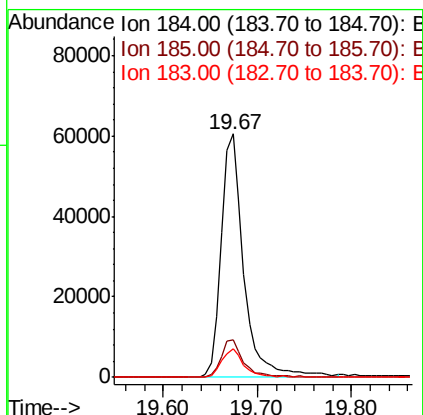
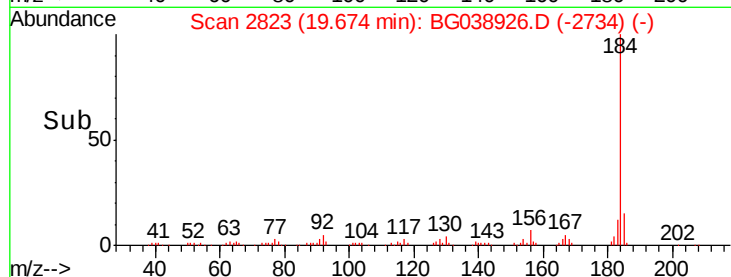
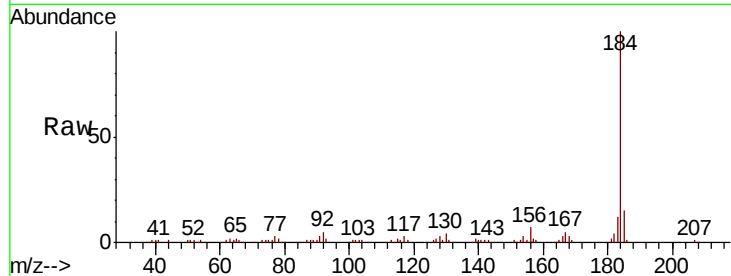
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:184 Resp: 101987

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 185 | 15.4  | 12.2  | 18.2  |
| 183 | 11.9  | 9.6   | 14.4  |



#78

Pyrene

Concen: 33.751 ng

RT: 19.85 min Scan# 2853

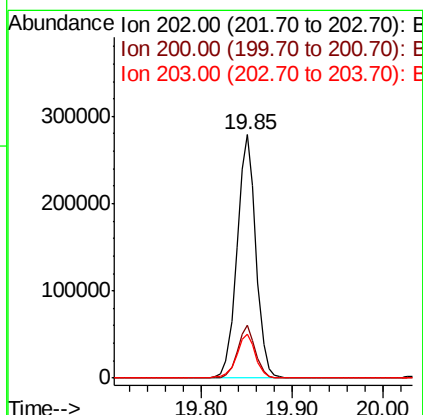
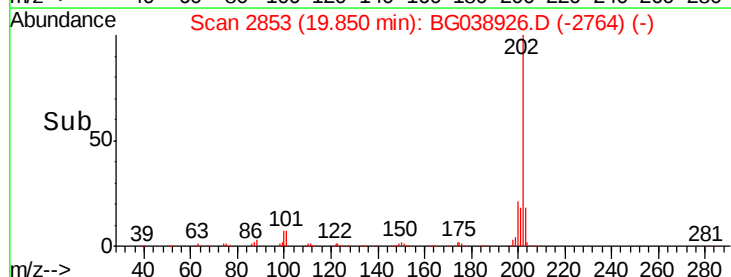
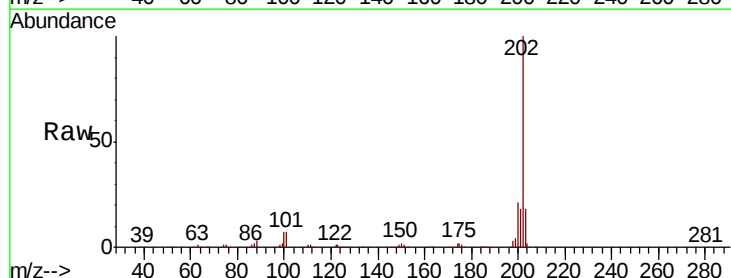
Delta R.T. -0.01 min

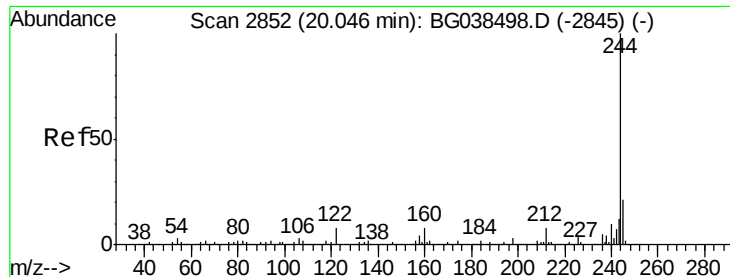
Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

Tgt Ion:202 Resp: 405249

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 21.5  | 16.6  | 25.0  |
| 203 | 18.1  | 14.6  | 21.8  |





#79

Terphenyl-d14

Concen: 78.432 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

Instrument :

BNA\_G

ClientSampleId :

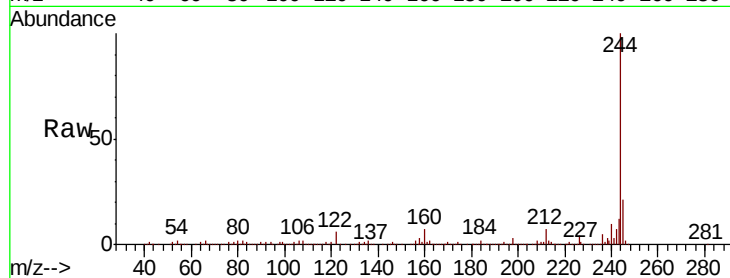
Tot Ion:244 Resp: 655015

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

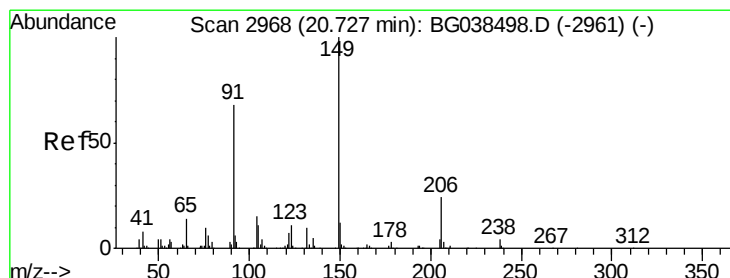
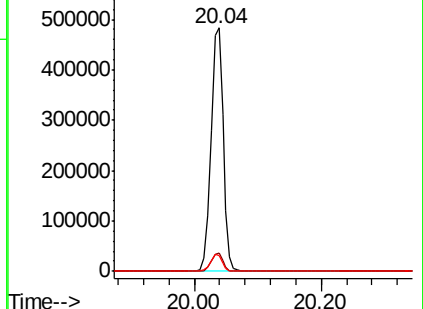
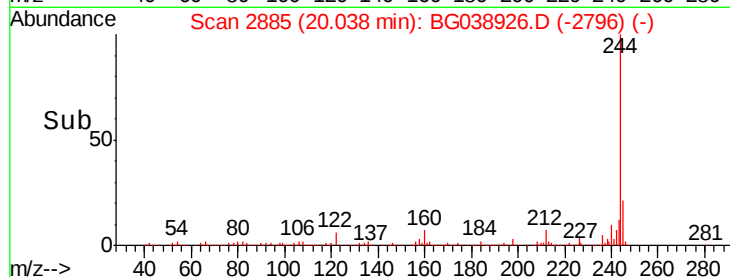
122 6.2 6.3 9.5#



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: 32.188 ng

RT: 20.71 min Scan# 3000

Delta R.T. -0.01 min

Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

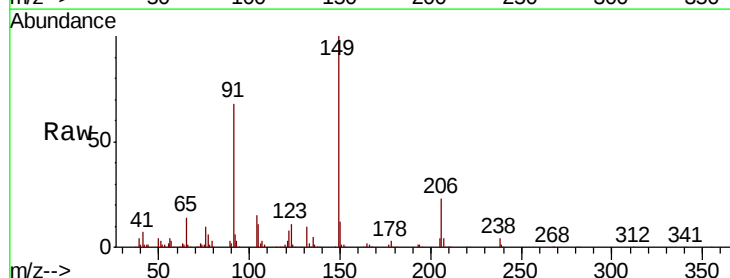
Tgt Ion:149 Resp: 150996

Ion Ratio Lower Upper

149 100

91 68.0 54.5 81.7

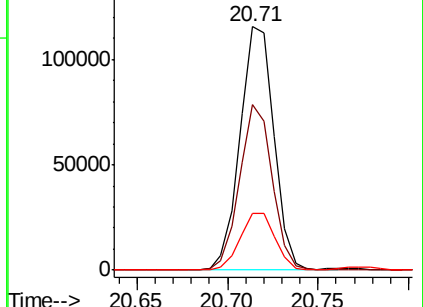
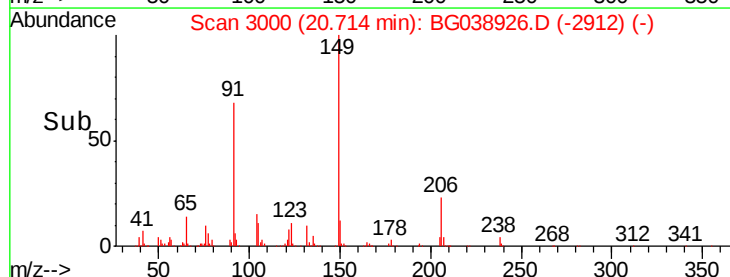
206 23.3 19.0 28.6

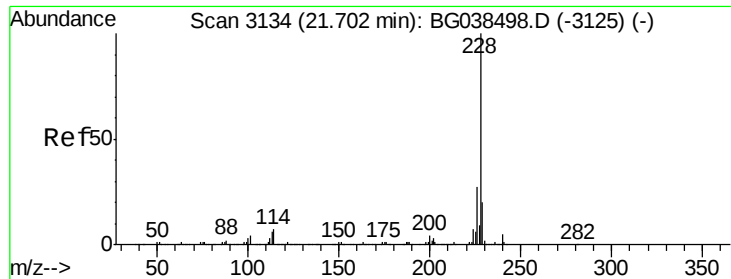


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 35.081 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.01 min

Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

Instrument :

BNA\_G

ClientSampleId :

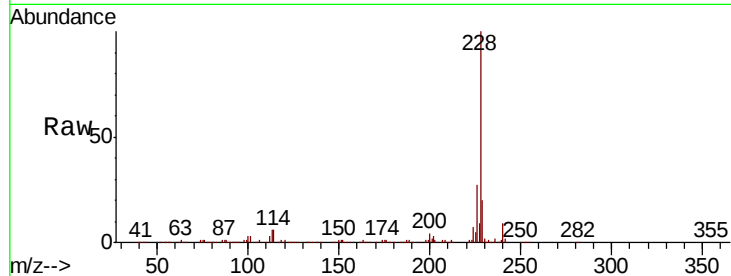
Tot Ion:228 Resp: 388523

Ion Ratio Lower Upper

228 100

226 27.0 21.8 32.8

229 20.4 15.8 23.6

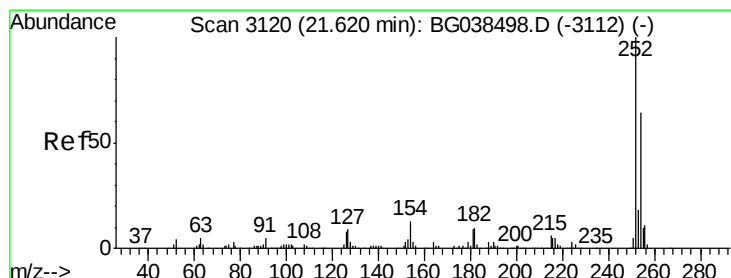
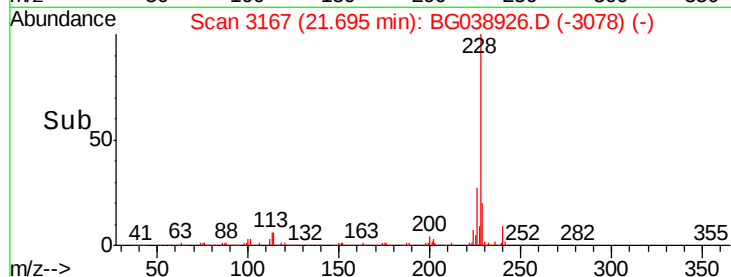
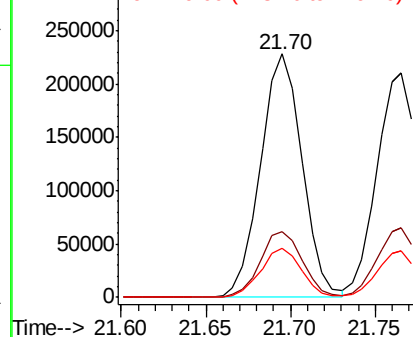


Abundance

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: 16.864 ng

RT: 21.61 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG038926.D

Acq: 4 Jan 2019 11:39

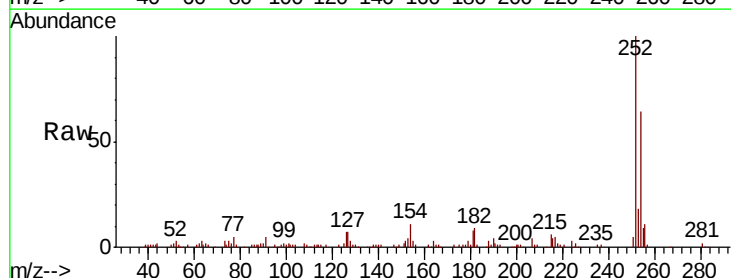
Tgt Ion:252 Resp: 74074

Ion Ratio Lower Upper

252 100

254 64.3 50.9 76.3

126 7.4 6.3 9.5

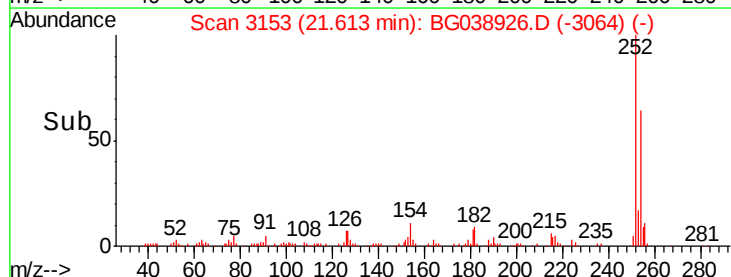
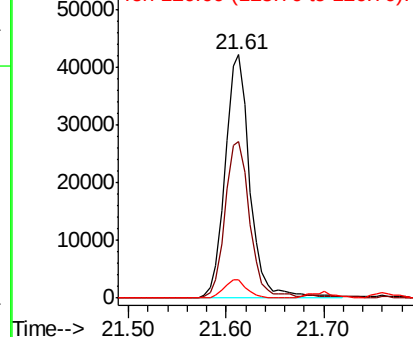


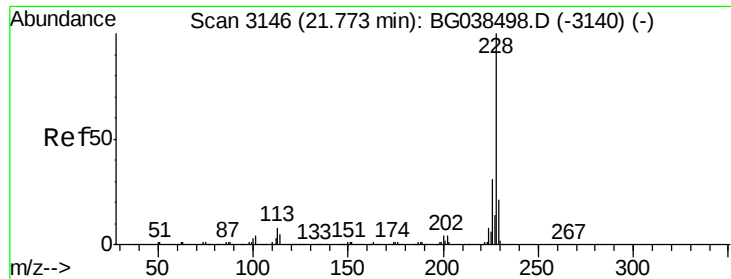
Abundance

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

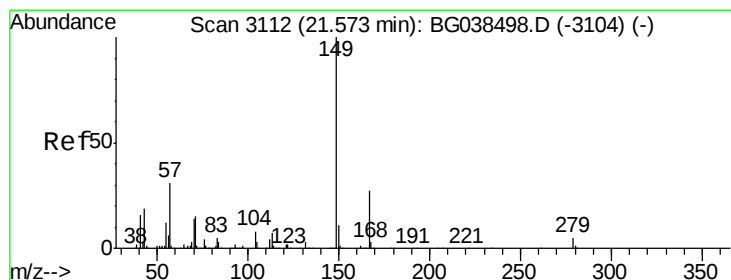
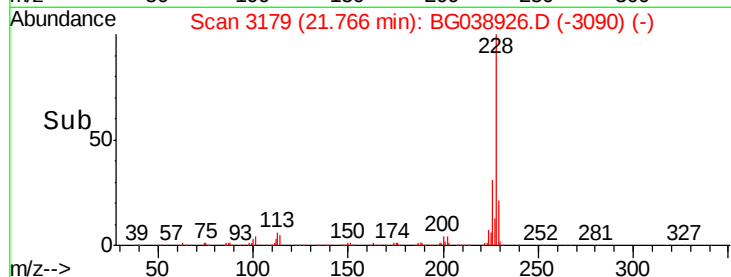
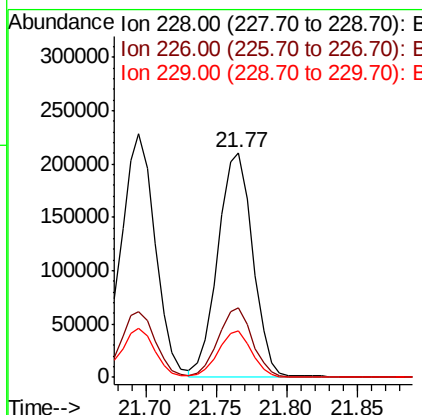
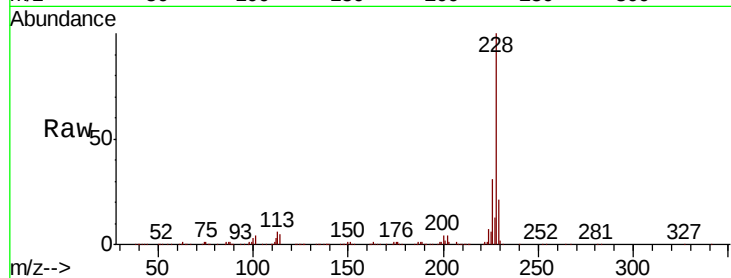




#83  
 Chrysene  
 Concen: 33.862 ng  
 RT: 21.77 min Scan# 3179  
 Delta R.T. -0.01 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

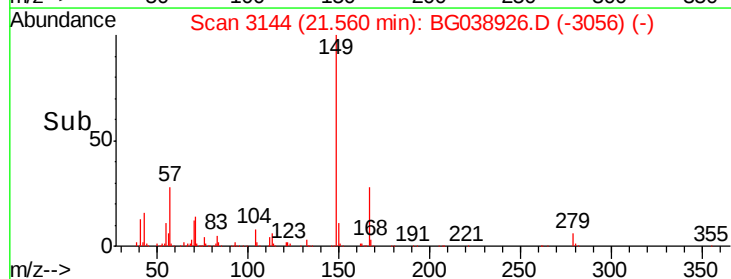
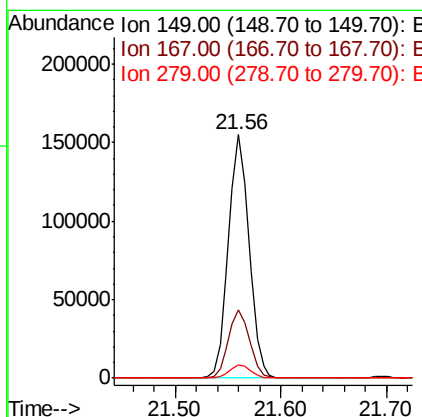
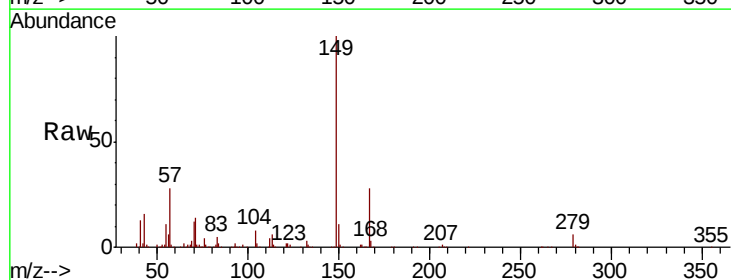
Instrument :  
 BNA\_G  
 ClientSampleId :

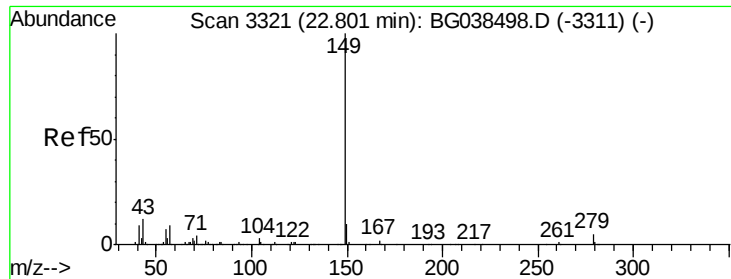
|     |         |       |        |
|-----|---------|-------|--------|
| Tot | Ion:228 | Resp: | 361222 |
| Ion | Ratio   | Lower | Upper  |
| 228 | 100     |       |        |
| 226 | 31.0    | 25.0  | 37.4   |
| 229 | 20.8    | 16.5  | 24.7   |



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 31.632 ng  
 RT: 21.56 min Scan# 3144  
 Delta R.T. -0.01 min  
 Lab File: BG038926.D  
 Acq: 4 Jan 2019 11:39

|         |         |       |        |
|---------|---------|-------|--------|
| Tgt Ion | Ion:149 | Resp: | 210454 |
|         | Ratio   | Lower | Upper  |
| 149     | 100     |       |        |
| 167     | 27.8    | 21.9  | 32.9   |
| 279     | 5.6     | 4.2   | 6.2    |

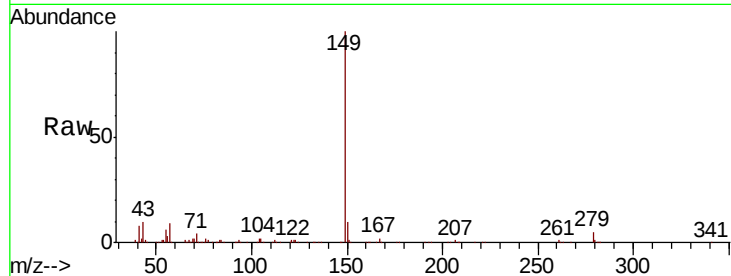




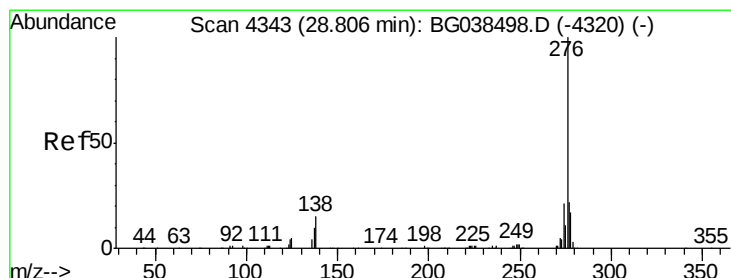
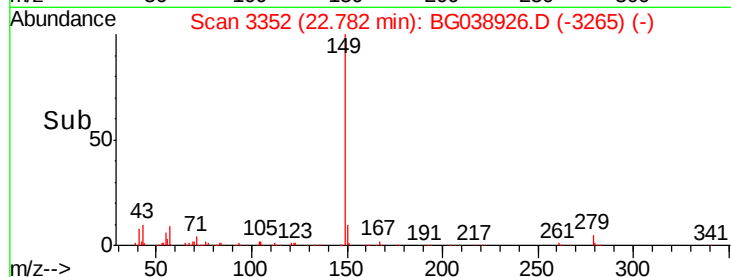
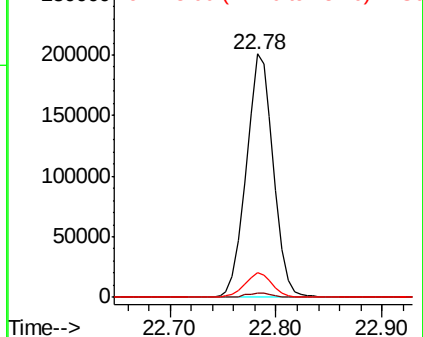
#85  
Di-n-octyl phthalate  
Concen: 32.058 ng  
RT: 22.78 min Scan# 3352  
Delta R.T. -0.02 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:149 Resp: 357209  
Ion Ratio Lower Upper  
149 100  
167 1.8 1.2 1.8#  
43 9.9 9.3 13.9

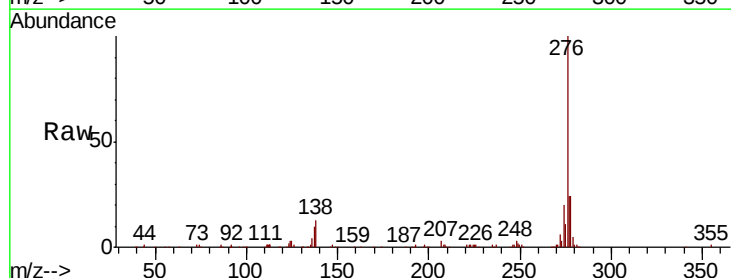


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BGC

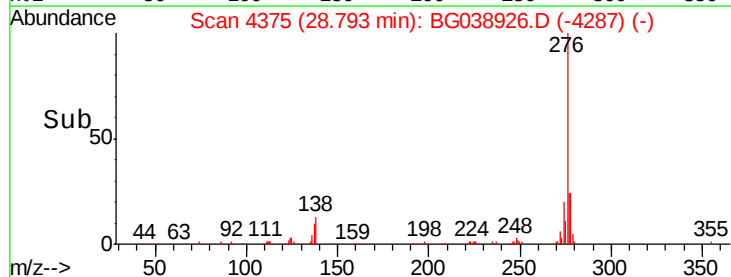
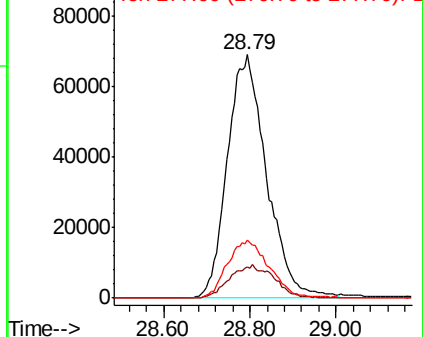


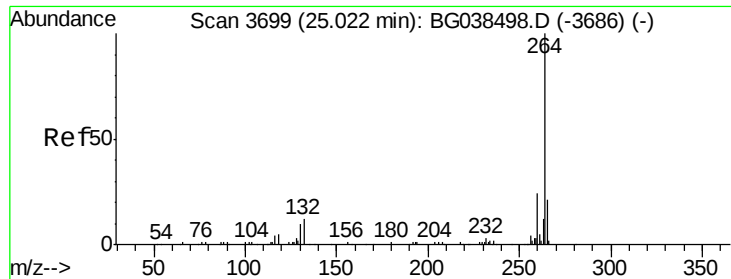
#86  
Indeno(1,2,3-cd)pyrene  
Concen: 34.905 ng  
RT: 28.79 min Scan# 4375  
Delta R.T. -0.01 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Tgt Ion:276 Resp: 437757  
Ion Ratio Lower Upper  
276 100  
138 15.4 14.4 21.6  
277 25.3 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

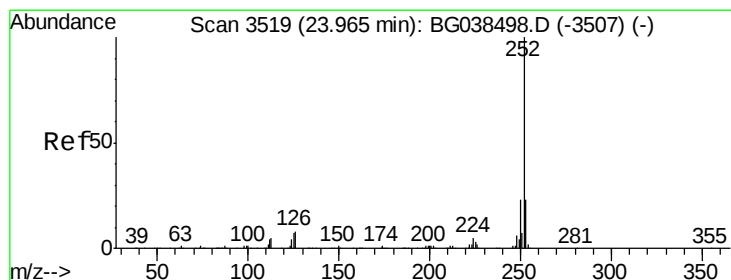
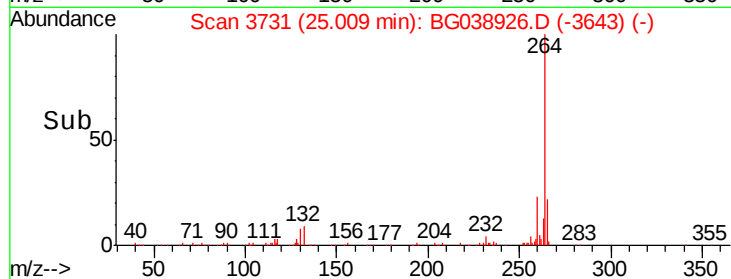
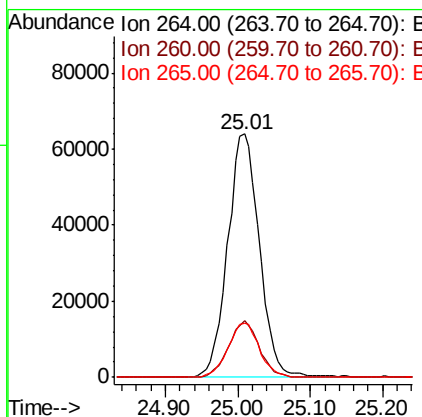
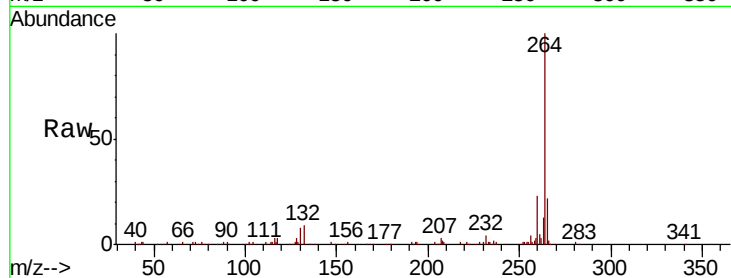




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.01 min Scan# 3731  
Delta R.T. -0.01 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

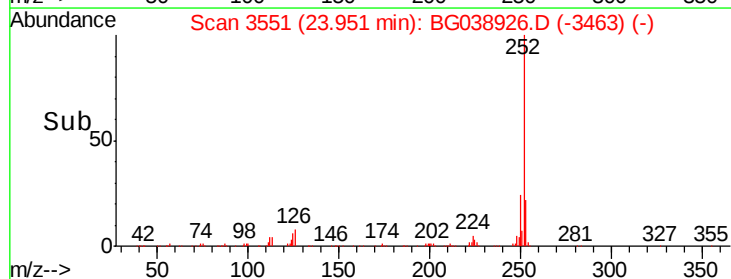
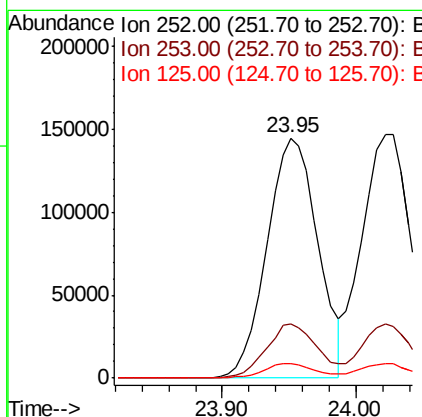
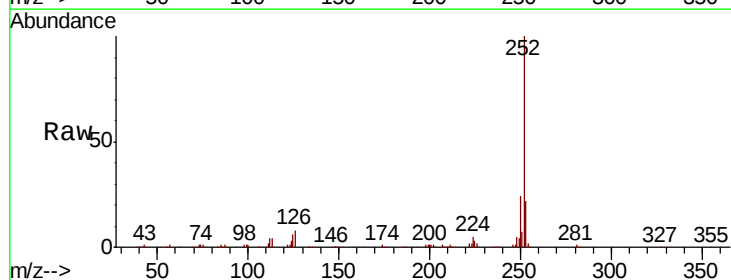
Instrument :  
BNA\_G  
ClientSampleId :

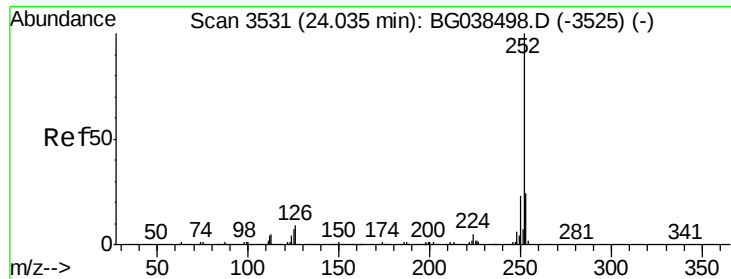
Tot Ion:264 Resp: 194173  
Ion Ratio Lower Upper  
264 100  
260 23.2 18.9 28.3  
265 22.1 17.0 25.4



#88  
Benzo(b)fluoranthene  
Concen: 35.902 ng  
RT: 23.95 min Scan# 3551  
Delta R.T. -0.01 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Tgt Ion:252 Resp: 382752  
Ion Ratio Lower Upper  
252 100  
253 22.3 18.1 27.1  
125 5.9 5.5 8.3

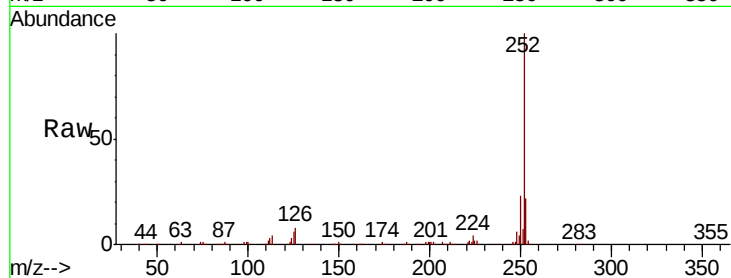




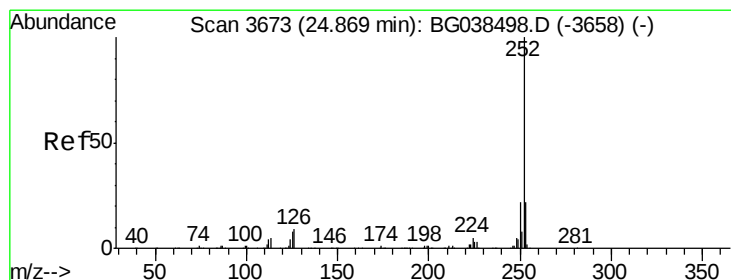
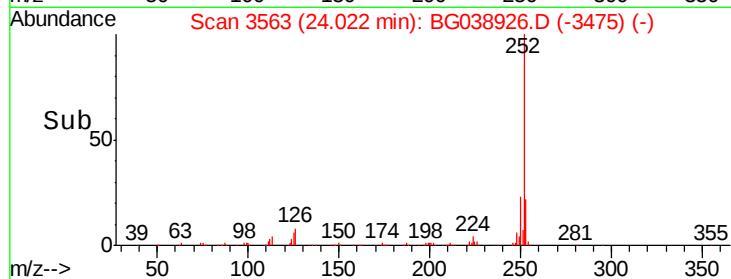
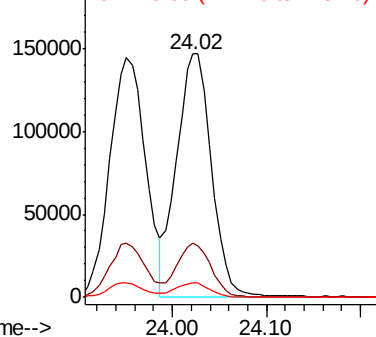
#89  
Benzo(k)fluoranthene  
Concen: 35.619 ng  
RT: 24.02 min Scan# 3563  
Delta R.T. -0.01 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:252 Resp: 378134  
Ion Ratio Lower Upper  
252 100  
253 22.0 18.9 28.3  
125 5.8 5.4 8.2

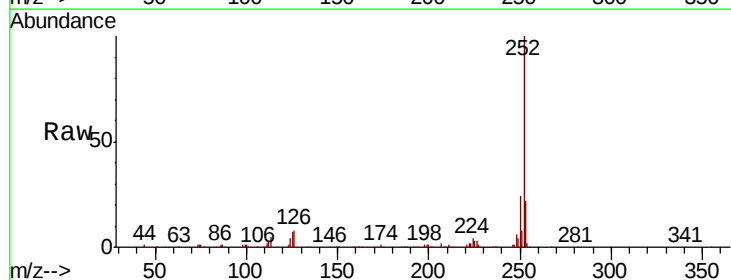


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

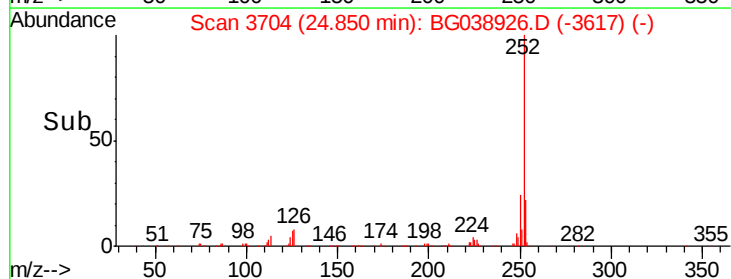
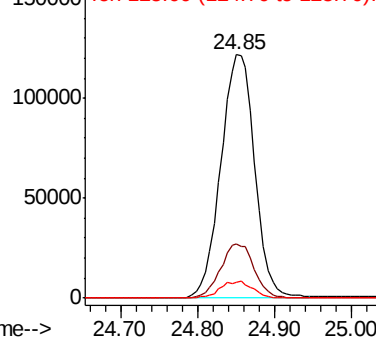


#90  
Benzo(a)pyrene  
Concen: 36.395 ng  
RT: 24.85 min Scan# 3704  
Delta R.T. -0.02 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Tgt Ion:252 Resp: 374319  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.4 26.0  
125 6.7 6.4 9.6



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

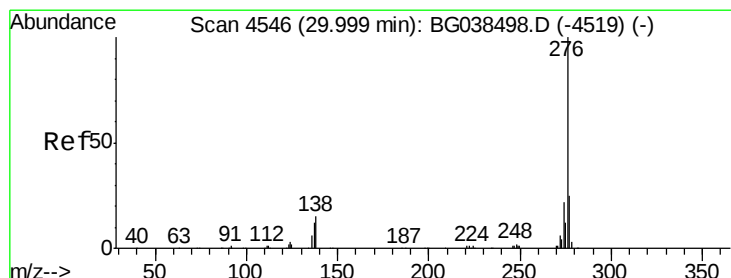
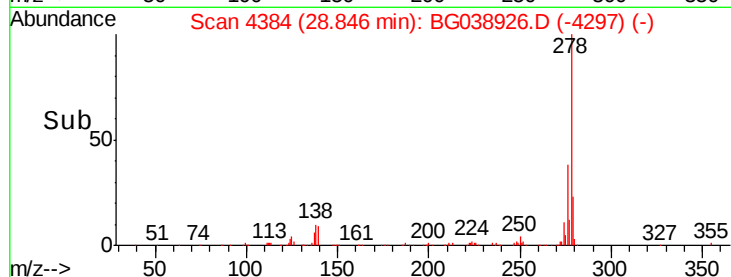
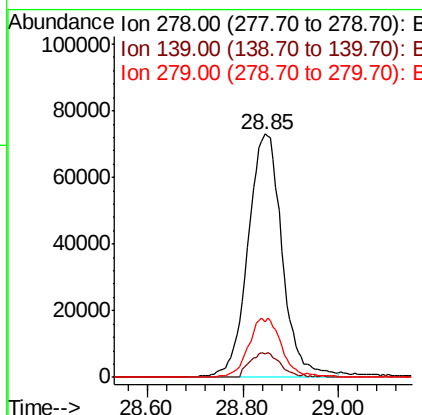
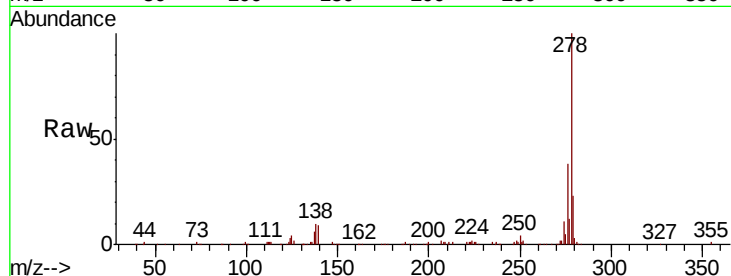




#91  
Dibenzo(a,h)anthracene  
Concen: 35.310 ng  
RT: 28.85 min Scan# 4384  
Delta R.T. -0.02 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 9.5   | 8.6   | 12.8  |
| 279     | 23.0  | 19.0  | 28.6  |



#92  
Benzo(g,h,i)perylene  
Concen: 36.291 ng  
RT: 29.98 min Scan# 4577  
Delta R.T. -0.02 min  
Lab File: BG038926.D  
Acq: 4 Jan 2019 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.6  | 19.8  | 29.8  |
| 138     | 12.4  | 11.8  | 17.6  |

