

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061418\  
 Data File : BG035149.D  
 Acq On : 14 Jun 2018 22:25  
 Operator : SJ/JU  
 Sample : PB110230BS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 15 02:05:00 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 08 17:16:28 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.06  | 152  | 44827    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 10.87 | 136  | 180519   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 14.69 | 164  | 134352   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.43 | 188  | 373277   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 21.70 | 240  | 385916   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 24.93 | 264  | 387394   | 20.00 | ng    | -0.02    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.64  | 112 | 408870  | 153.93 | ng | 0.00  |
| 7) Phenol-d6                | 7.22  | 99  | 612285  | 156.18 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 9.23  | 82  | 395296  | 104.09 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol    | 16.18 | 330 | 285385  | 165.93 | ng | 0.00  |
| 44) 2-Fluorobiphenyl        | 13.31 | 172 | 922648  | 89.28  | ng | -0.01 |
| 78) Terphenyl-d14           | 20.04 | 244 | 1704358 | 92.51  | ng | -0.01 |

|                                |       |     |        |         |    |      |
|--------------------------------|-------|-----|--------|---------|----|------|
| Target Compounds               |       |     |        | Qvalue  |    |      |
| 2) 1,4-Dioxane                 | 3.55  | 88  | 40622  | 32.053  | ng | # 76 |
| 3) Pyridine                    | 3.94  | 79  | 131444 | 38.439  | ng | # 73 |
| 4) n-Nitrosodimethylamine      | 3.86  | 42  | 52344  | 35.631  | ng | # 63 |
| 6) Aniline                     | 7.39  | 93  | 131093 | 25.869  | ng | 95   |
| 8) 2-Chlorophenol              | 7.63  | 128 | 140926 | 50.615  | ng | 98   |
| 9) Benzaldehyde                | 7.21  | 77  | 94125  | 31.169  | ng | 96   |
| 10) Phenol                     | 7.25  | 94  | 215399 | 53.090  | ng | 96   |
| 11) bis(2-Chloroethyl)ether    | 7.49  | 93  | 134474 | 42.703  | ng | 94   |
| 12) 1,3-Dichlorobenzene        | 7.96  | 146 | 142734 | 42.965  | ng | 97   |
| 13) 1,4-Dichlorobenzene        | 8.10  | 146 | 148171 | 43.206  | ng | 96   |
| 14) 1,2-Dichlorobenzene        | 8.42  | 146 | 144185 | 44.761  | ng | 95   |
| 15) Benzyl Alcohol             | 8.30  | 79  | 171235 | 46.095  | ng | 92   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.59  | 45  | 155894 | 49.739  | ng | 77   |
| 17) 2-Methylphenol             | 8.50  | 107 | 142451 | 53.255  | ng | # 91 |
| 18) Hexachloroethane           | 9.15  | 117 | 56088  | 45.684  | ng | 88   |
| 19) n-Nitroso-di-n-propylamine | 8.87  | 70  | 134766 | 40.461  | ng | # 85 |
| 20) 3+4-Methylphenols          | 8.83  | 107 | 198248 | 51.706  | ng | 90   |
| 22) Acetophenone               | 8.89  | 105 | 239395 | 42.811  | ng | # 92 |
| 24) Nitrobenzene               | 9.27  | 77  | 201661 | 51.856  | ng | 92   |
| 25) Isophorone                 | 9.79  | 82  | 390280 | 48.675  | ng | 98   |
| 26) 2-Nitrophenol              | 9.98  | 139 | 80181  | 59.816  | ng | # 87 |
| 27) 2,4-Dimethylphenol         | 10.04 | 122 | 155625 | 55.234  | ng | 90   |
| 28) bis(2-Chloroethoxy)methane | 10.27 | 93  | 201303 | 46.720  | ng | 96   |
| 29) 2,4-Dichlorophenol         | 10.51 | 162 | 173515 | 56.598  | ng | 94   |
| 30) 1,2,4-Trichlorobenzene     | 10.73 | 180 | 174973 | 47.597  | ng | 93   |
| 31) Naphthalene                | 10.92 | 128 | 443397 | 47.282  | ng | 97   |
| 32) Benzoic acid               | 10.12 | 122 | 19154  | 10.149  | ng | 94   |
| 33) 4-Chloroaniline            | 11.02 | 127 | 70432  | 17.297  | ng | 94   |
| 34) Hexachlorobutadiene        | 11.21 | 225 | 128138 | 44.820  | ng | 96   |
| 35) Caprolactam                | 11.80 | 113 | 47901  | 42.277  | ng | # 74 |
| 36) 4-Chloro-3-methylphenol    | 12.14 | 107 | 209951 | 54.938  | ng | 96   |
| 37) 2-Methylnaphthalene        | 12.52 | 142 | 355694 | 50.028  | ng | 93   |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.89 | 216 | 238367 | 47.632  | ng | 99   |
| 40) Hexachlorocyclopentadiene  | 12.87 | 237 | 324490 | 103.401 | ng | 94   |

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 Sample : PB110230BS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

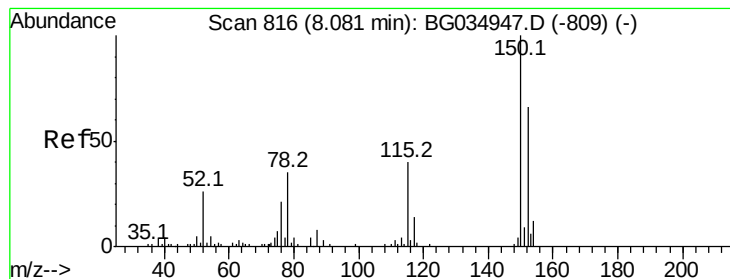
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 15 02:05:00 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 08 17:16:28 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.12 | 196  | 161957   | 54.049 | ng    | 91       |
| 43) 2,4,5-Trichlorophenol      | 13.19 | 196  | 178307   | 54.215 | ng    | 98       |
| 45) 1,1'-Biphenyl              | 13.53 | 154  | 493716   | 45.701 | ng    | 97       |
| 46) 2-Chloronaphthalene        | 13.57 | 162  | 388681   | 47.586 | ng    | 98       |
| 47) 2-Nitroaniline             | 13.76 | 65   | 144323   | 59.837 | ng    | 99       |
| 48) Acenaphthylene             | 14.41 | 152  | 659418   | 48.147 | ng    | 98       |
| 49) Dimethylphthalate          | 14.14 | 163  | 551268   | 47.053 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.26 | 165  | 126784   | 59.318 | ng    | 92       |
| 51) Acenaphthene               | 14.75 | 154  | 393651   | 43.990 | ng    | 98       |
| 52) 3-Nitroaniline             | 14.59 | 138  | 71033    | 33.868 | ng    | # 92     |
| 53) 2,4-Dinitrophenol          | 14.79 | 184  | 18889    | 21.837 | ng    | # 63     |
| 54) Dibenzofuran               | 15.08 | 168  | 652339   | 48.674 | ng    | 93       |
| 55) 4-Nitrophenol              | 14.89 | 139  | 169535   | 95.779 | ng    | # 88     |
| 56) 2,4-Dinitrotoluene         | 15.04 | 165  | 180175   | 63.458 | ng    | 88       |
| 57) Fluorene                   | 15.73 | 166  | 540810   | 48.284 | ng    | 96       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.31 | 232  | 169206   | 52.959 | ng    | 94       |
| 59) Diethylphthalate           | 15.50 | 149  | 558972   | 46.763 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.72 | 204  | 313690   | 49.115 | ng    | 97       |
| 61) 4-Nitroaniline             | 15.75 | 138  | 127849   | 56.841 | ng    | # 81     |
| 62) Azobenzene                 | 16.02 | 77   | 566475   | 48.361 | ng    | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 15.81 | 198  | 28653    | 16.812 | ng    | 77       |
| 65) n-Nitrosodiphenylamine     | 15.94 | 169  | 487402   | 43.480 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.62 | 248  | 214550   | 47.729 | ng    | 94       |
| 67) Hexachlorobenzene          | 16.73 | 284  | 218537   | 47.765 | ng    | 96       |
| 68) Atrazine                   | 16.89 | 200  | 218852   | 45.781 | ng    | 97       |
| 69) Pentachlorophenol          | 17.07 | 266  | 160872   | 52.289 | ng    | 99       |
| 70) Phenanthrene               | 17.47 | 178  | 889081   | 46.888 | ng    | 98       |
| 71) Anthracene                 | 17.56 | 178  | 910454   | 47.935 | ng    | 97       |
| 72) Carbazole                  | 17.83 | 167  | 825341   | 46.833 | ng    | 98       |
| 73) Di-n-butylphthalate        | 18.39 | 149  | 937784   | 44.646 | ng    | # 98     |
| 74) Fluoranthene               | 19.48 | 202  | 1151561  | 46.671 | ng    | 96       |
| 76) Benzidine                  | 19.65 | 184  | 413832   | 28.823 | ng    | # 96     |
| 77) Pyrene                     | 19.84 | 202  | 1150774  | 45.233 | ng    | 97       |
| 79) Butylbenzylphthalate       | 20.72 | 149  | 426666   | 46.185 | ng    | 97       |
| 80) Benzo(a)anthracene         | 21.68 | 228  | 1178247  | 47.778 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.60 | 252  | 227488   | 24.519 | ng    | # 99     |
| 82) Chrysene                   | 21.75 | 228  | 1099272  | 48.685 | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.59 | 149  | 586761   | 44.950 | ng    | # 96     |
| 84) Di-n-octyl phthalate       | 22.81 | 149  | 1018262  | 45.469 | ng    | # 93     |
| 85) Indeno(1,2,3-cd)pyrene     | 28.62 | 276  | 1275039  | 48.216 | ng    | # 88     |
| 87) Benzo(b)fluoranthene       | 23.91 | 252  | 1153130  | 48.336 | ng    | # 96     |
| 88) Benzo(k)fluoranthene       | 23.98 | 252  | 1102241  | 47.232 | ng    | # 96     |
| 89) Benzo(a)pyrene             | 24.78 | 252  | 1124774  | 50.105 | ng    | # 96     |
| 90) Dibenzo(a,h)anthracene     | 28.69 | 278  | 1025901  | 46.294 | ng    | # 94     |
| 91) Benzo(g,h,i)perylene       | 29.77 | 276  | 1040186  | 47.963 | ng    | # 92     |

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



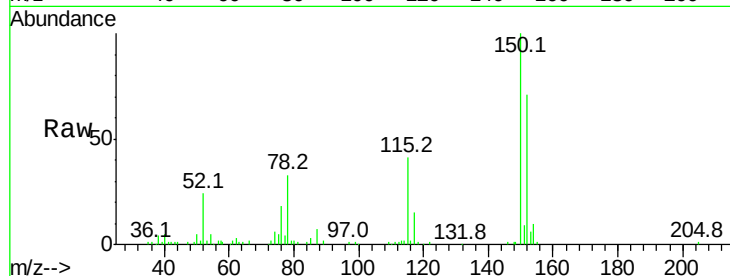


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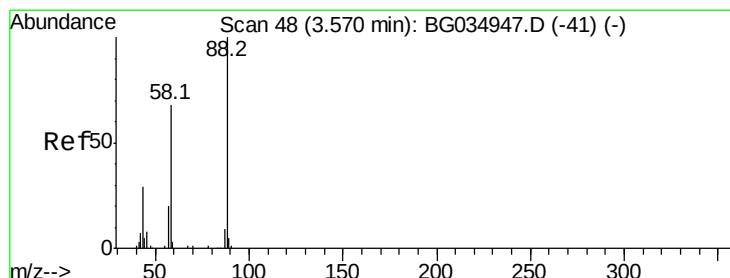
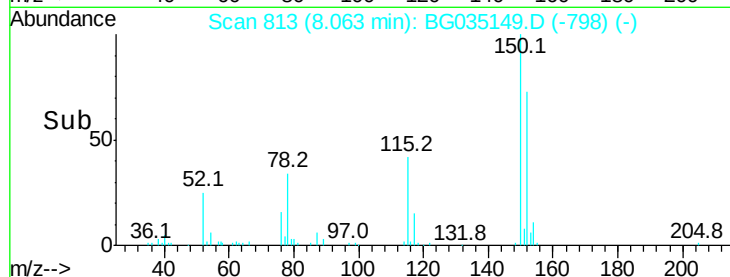
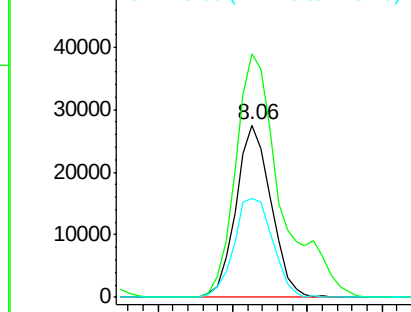
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.06 min Scan# 813  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:152 Resp: 44827  
Ion Ratio Lower Upper  
152 100  
150 141.1 126.6 189.8  
115 57.5 53.0 79.4



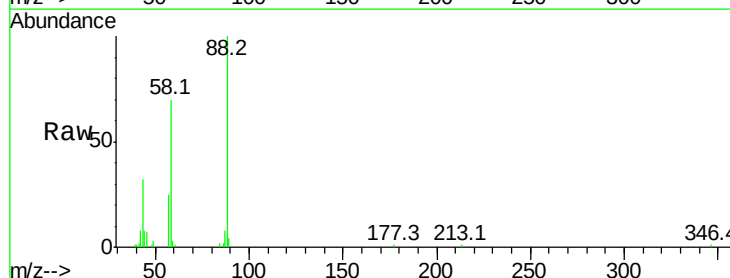
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



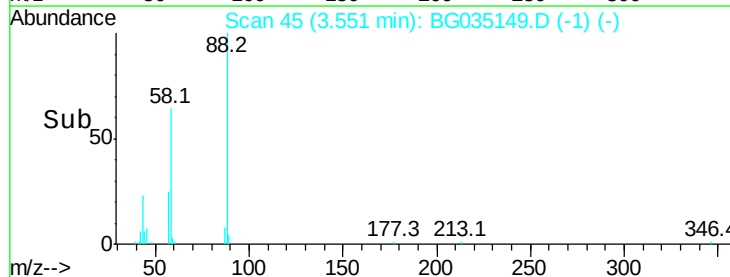
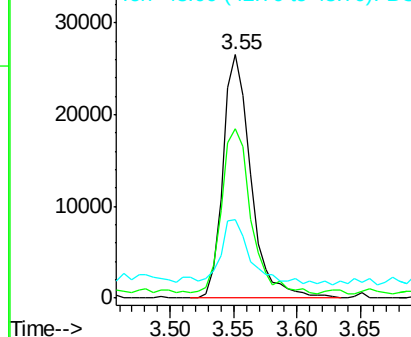
#2

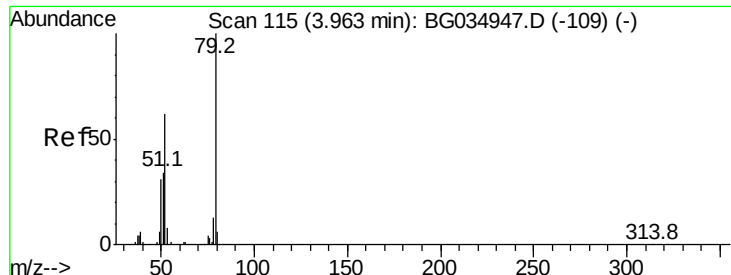
1,4-Dioxane  
Concen: 32.053 ng  
RT: 3.55 min Scan# 45  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

Tgt Ion: 88 Resp: 40622  
Ion Ratio Lower Upper  
88 100  
58 71.5 79.6 119.4#  
43 27.4 27.4 41.0



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





#3

Pvridine

Concen: 38.439 ng

RT: 3.94 min Scan# 111

Delta R.T. -0.02 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

Instrument :

BNA\_G

ClientSampleId :

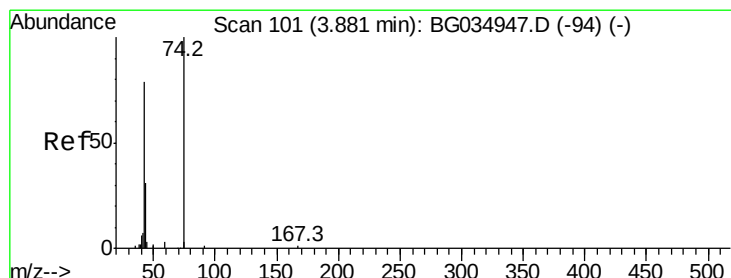
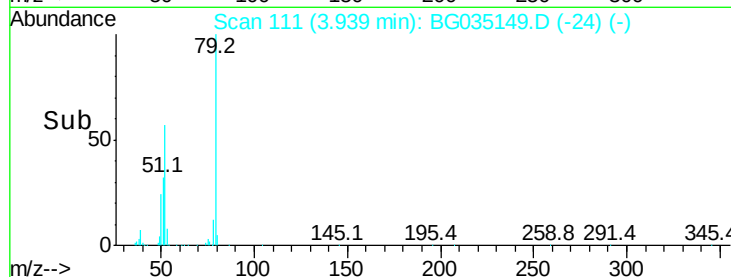
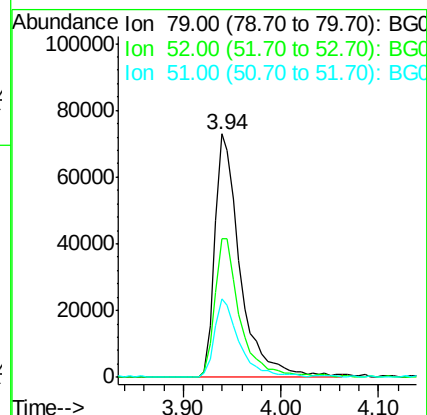
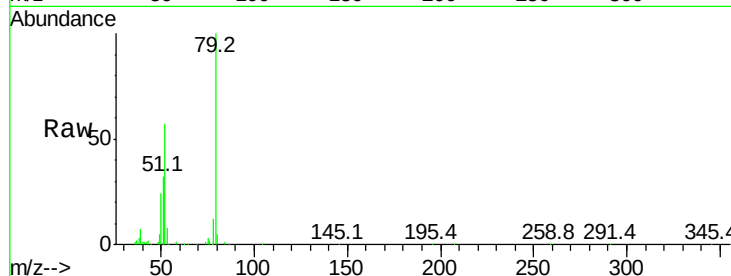
Tot Ion: 79 Resp: 131444

Ion Ratio Lower Upper

79 100

52 57.2 69.9 104.9#

51 32.2 34.0 51.0#



#4

n-Nitrosodimethylamine

Concen: 35.631 ng

RT: 3.86 min Scan# 97

Delta R.T. -0.02 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

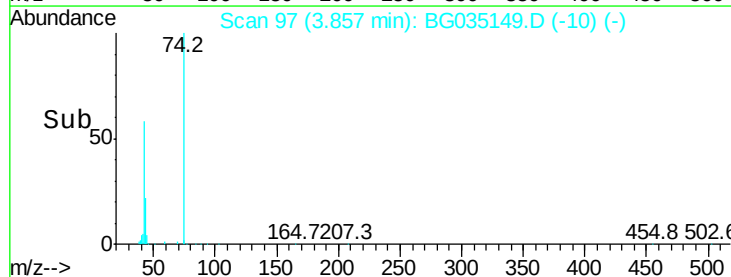
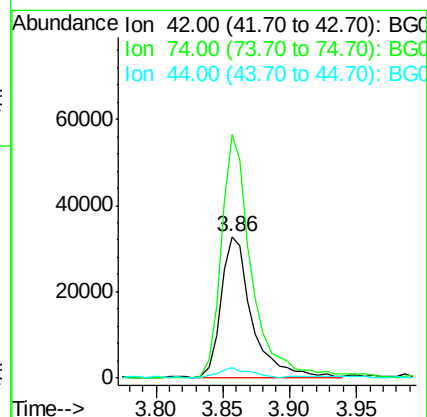
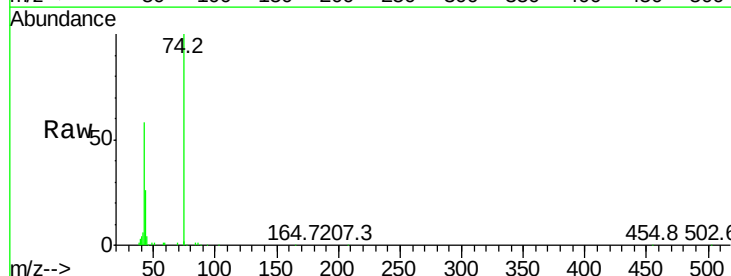
Tgt Ion: 42 Resp: 52344

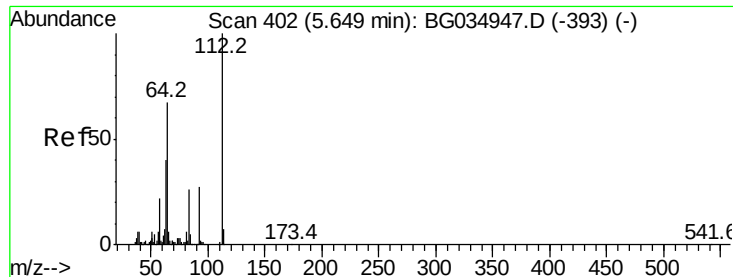
Ion Ratio Lower Upper

42 100

74 172.4 102.5 153.7#

44 7.7 18.9 28.3#





#5

2-Fluorophenol

Concen: 153.928 ng

RT: 5.64 min Scan# 400

Delta R.T. -0.01 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

Instrument :

BNA\_G

ClientSampleId :

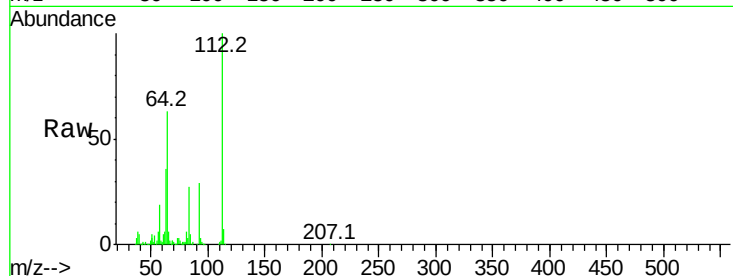
Tot Ion:112 Resp: 408870

Ion Ratio Lower Upper

112 100

64 62.5 56.3 84.5

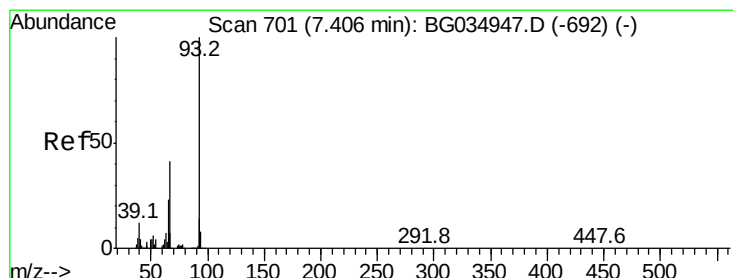
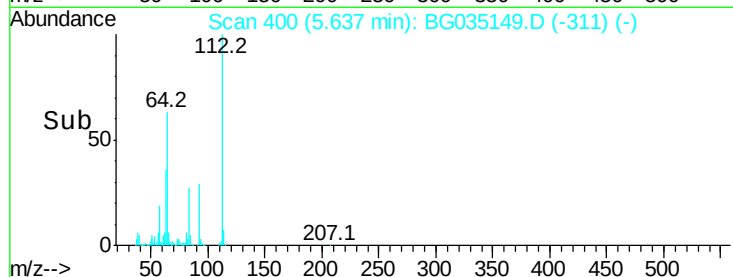
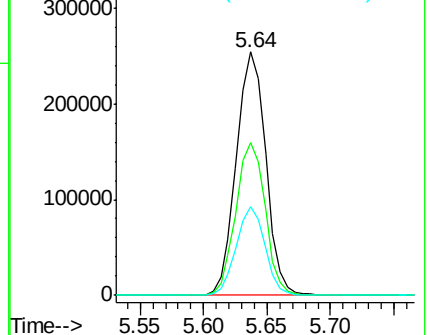
63 36.3 30.1 45.1



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: 25.869 ng

RT: 7.39 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

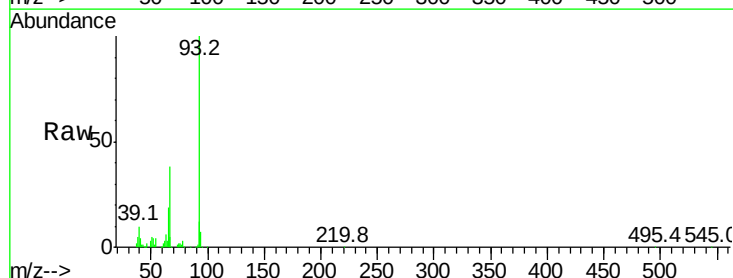
Tgt Ion: 93 Resp: 131093

Ion Ratio Lower Upper

93 100

66 38.1 33.7 50.5

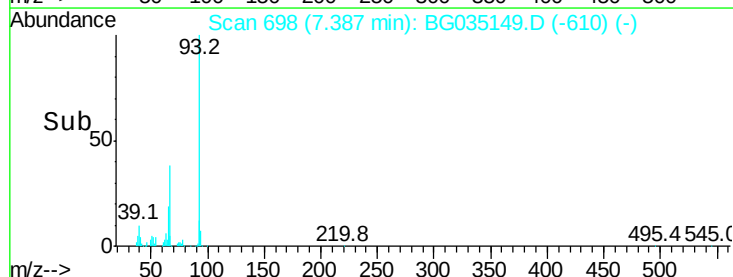
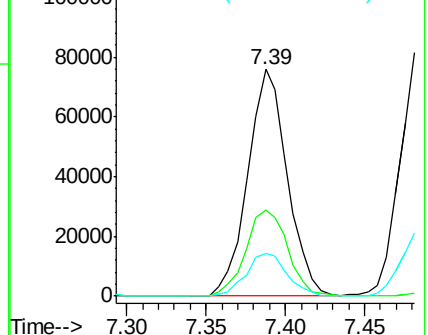
65 18.7 16.1 24.1

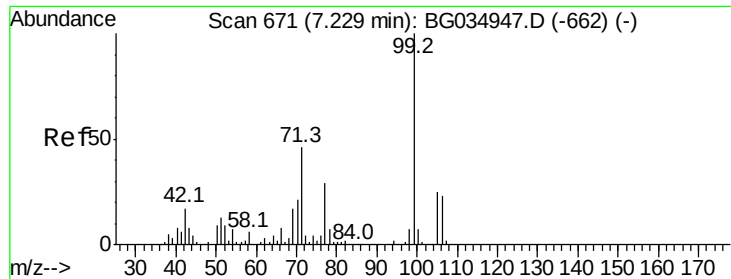


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 156.177 ng

RT: 7.22 min Scan# 670

Delta R.T. -0.00 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

Instrument :

BNA\_G

ClientSampleId :

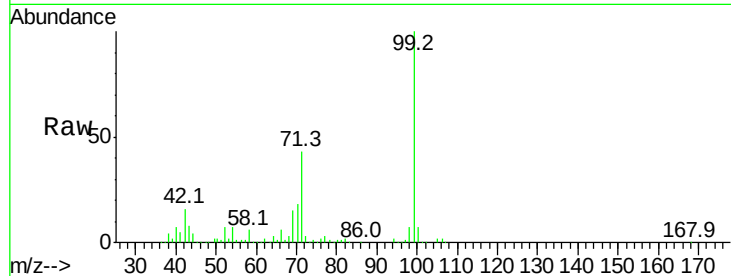
Tot Ion: 99 Resp: 612285

Ion Ratio Lower Upper

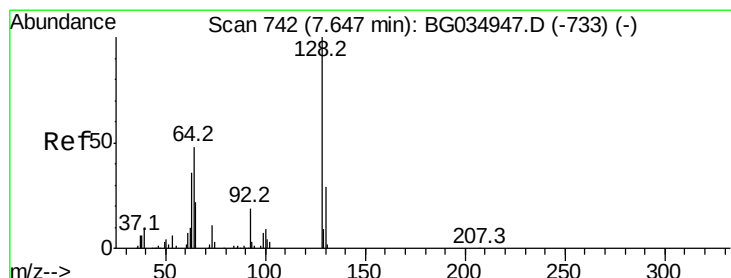
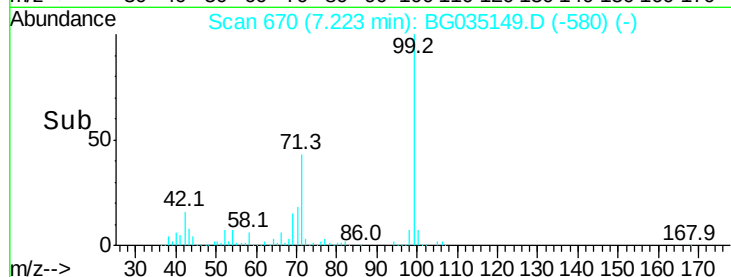
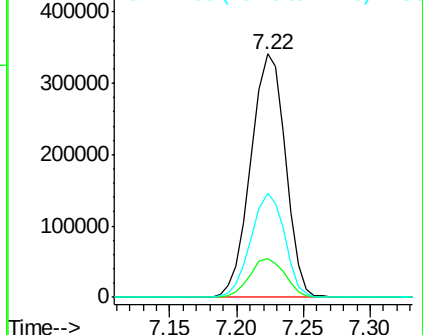
99 100

42 16.0 14.1 21.1

71 42.7 26.1 39.1#



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



#8

2-Chlorophenol

Concen: 50.615 ng

RT: 7.63 min Scan# 739

Delta R.T. -0.01 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

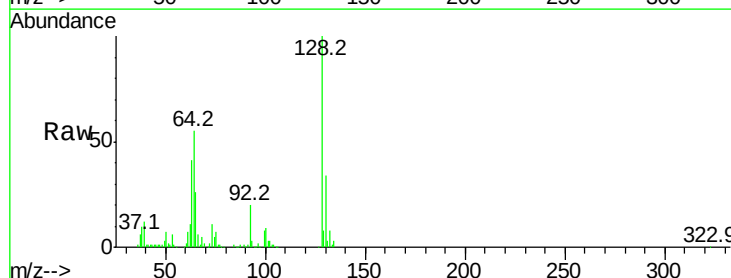
Tgt Ion:128 Resp: 140926

Ion Ratio Lower Upper

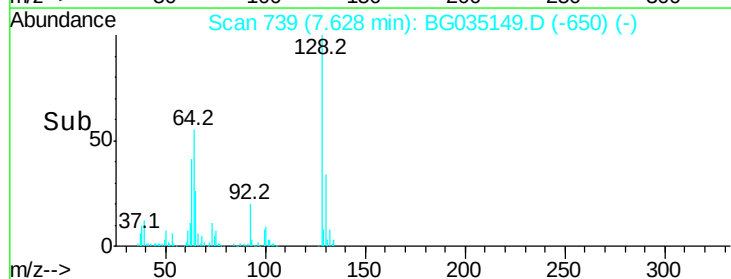
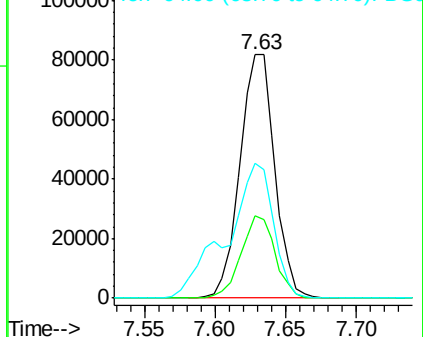
128 100

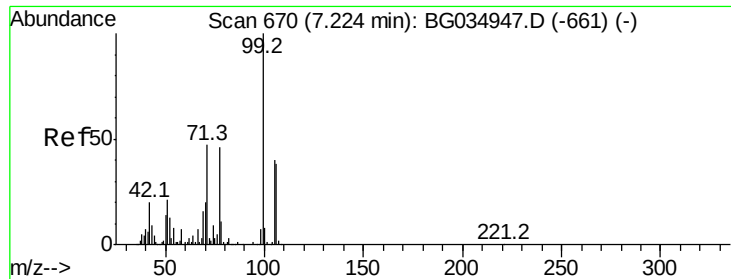
130 33.6 14.0 54.0

64 55.4 37.7 77.7



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





#9

Benzaldehyde

Concen: 31.169 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

Instrument :

BNA\_G

ClientSampleId :

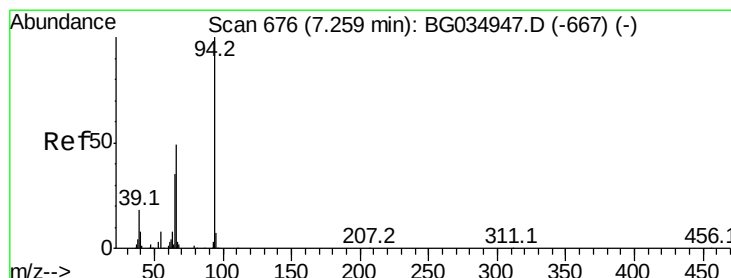
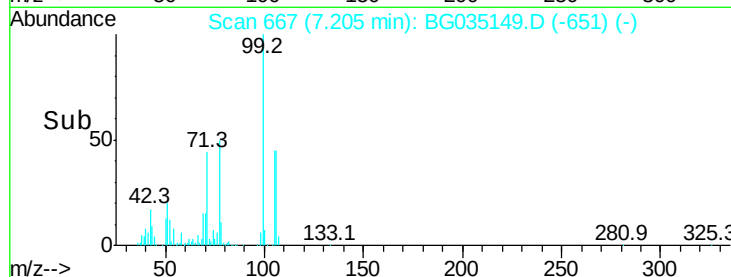
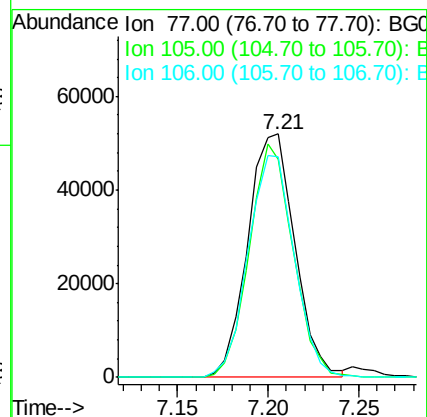
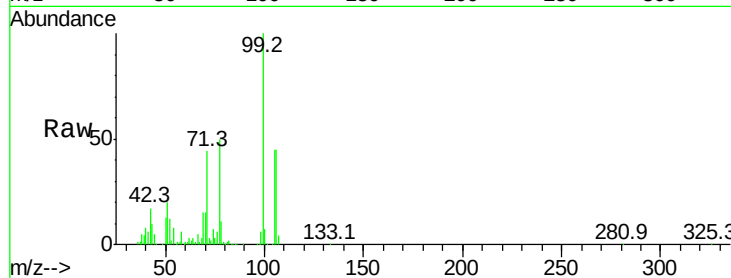
Tot Ion: 77 Resp: 94125

Ion Ratio Lower Upper

77 100

105 89.4 71.3 111.3

106 90.4 64.2 104.2



#10

Phenol

Concen: 53.090 ng

RT: 7.25 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

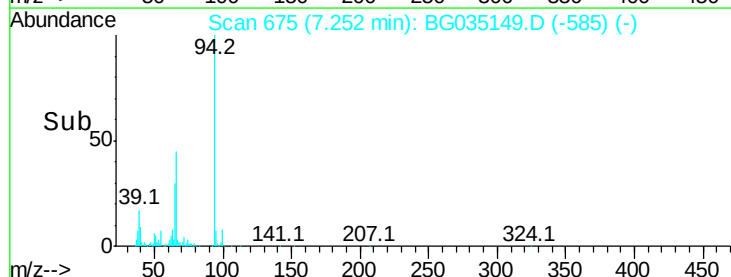
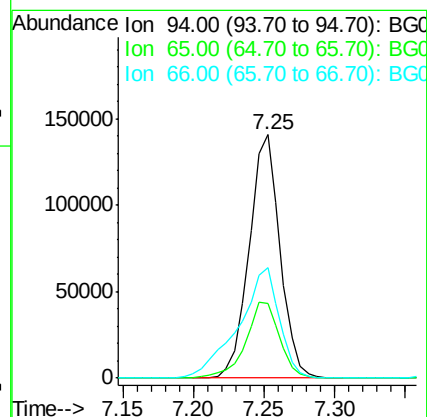
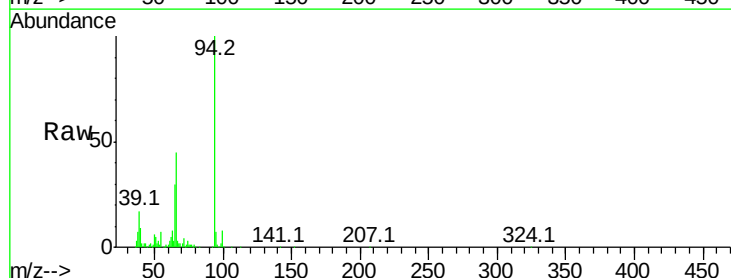
Tgt Ion: 94 Resp: 215399

Ion Ratio Lower Upper

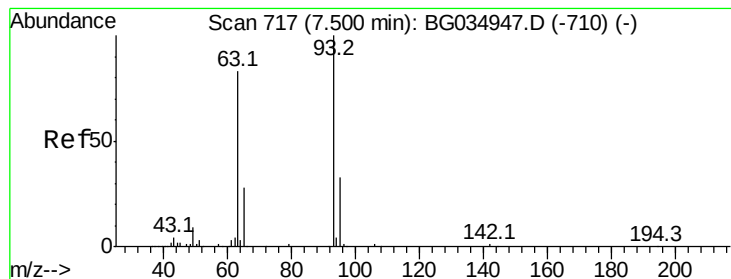
94 100

65 30.5 11.9 51.9

66 45.2 22.2 62.2







#11

bis(2-Chloroethyl)ether

Concen: 42.703 ng

RT: 7.49 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

Instrument :

BNA\_G

ClientSampleId :

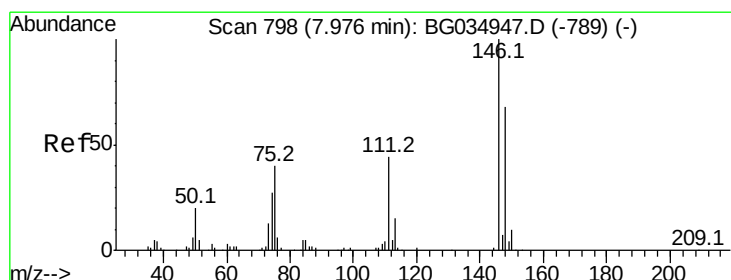
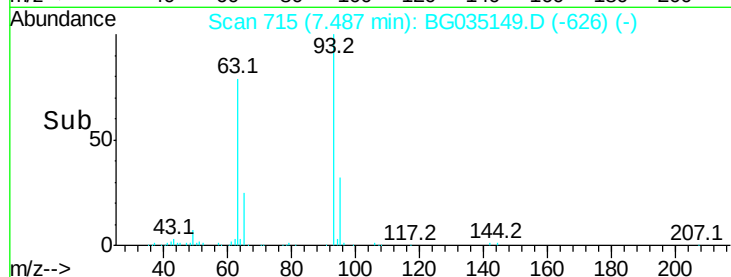
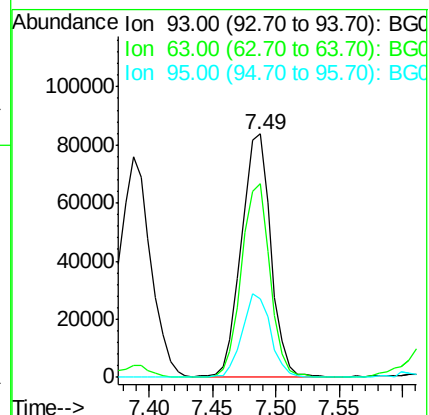
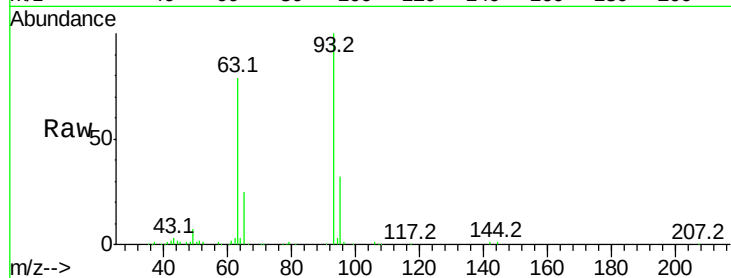
Tot Ion: 93 Resp: 134474

Ion Ratio Lower Upper

93 100

63 79.4 67.1 107.1

95 32.3 11.5 51.5



#12

1,3-Dichlorobenzene

Concen: 42.965 ng

RT: 7.96 min Scan# 795

Delta R.T. -0.01 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

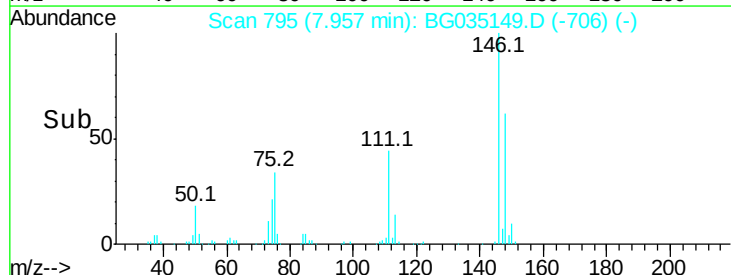
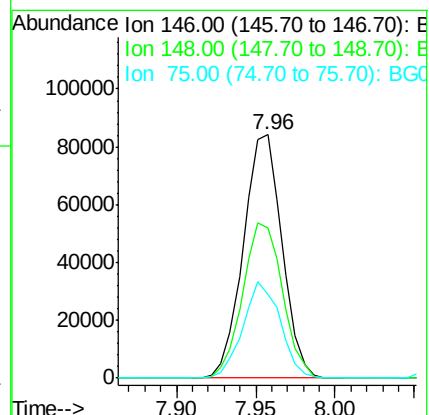
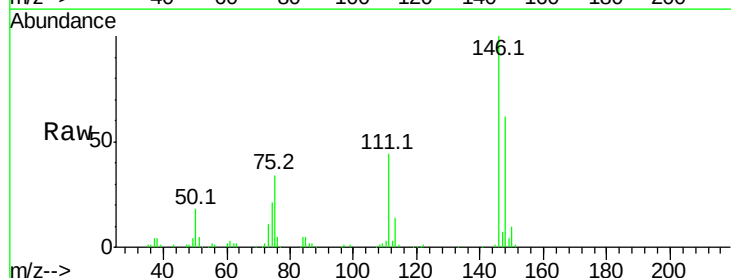
Tgt Ion: 146 Resp: 142734

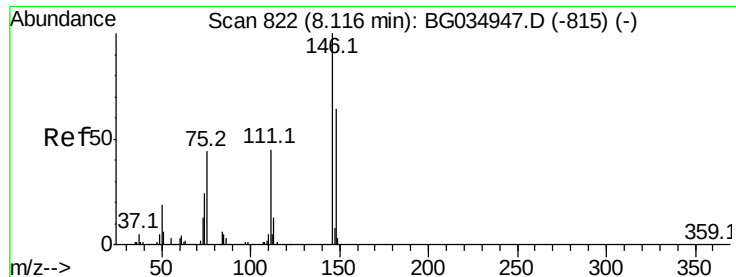
Ion Ratio Lower Upper

146 100

148 61.7 51.4 77.2

75 34.1 26.6 39.8

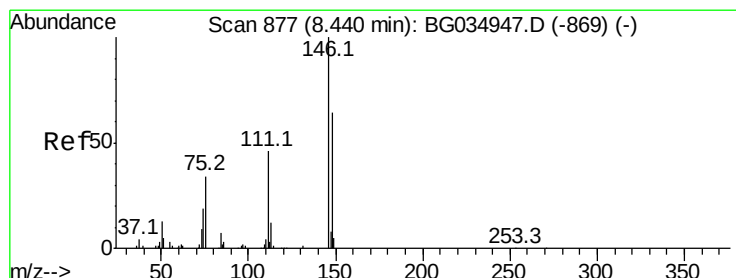
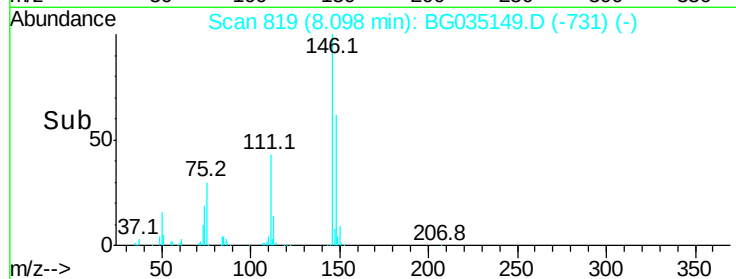
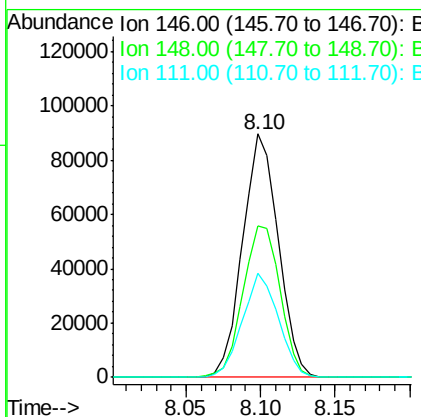
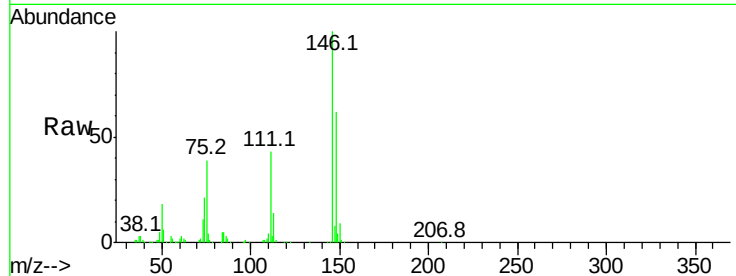




#13  
 1,4-Dichlorobenzene  
 Concen: 43.206 ng  
 RT: 8.10 min Scan# 819  
 Delta R.T. -0.01 min  
 Lab File: BG035149.D  
 Acq: 14 Jun 2018 22:25

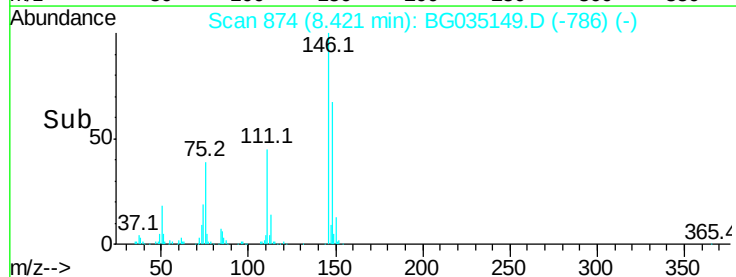
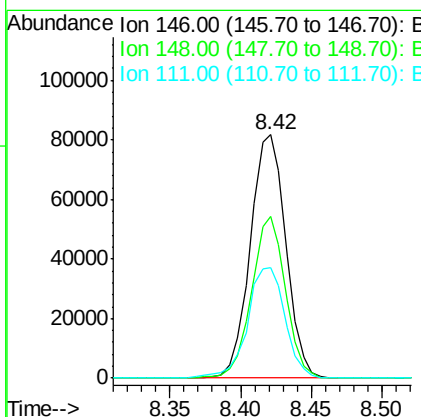
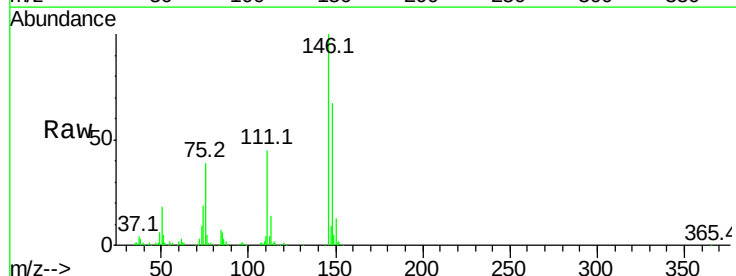
Instrument :  
 BNA\_G  
 ClientSampleId :

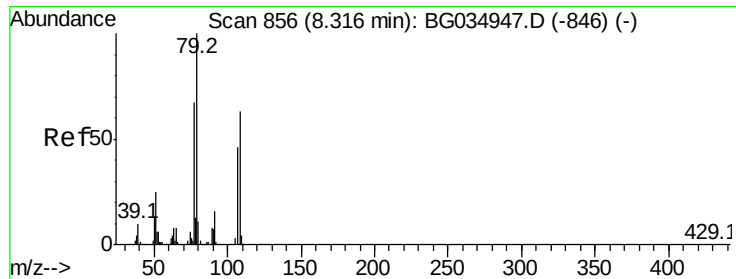
Tot Ion:146 Resp: 148171  
 Ion Ratio Lower Upper  
 146 100  
 148 62.4 53.7 80.5  
 111 42.6 35.2 52.8



#14  
 1,2-Dichlorobenzene  
 Concen: 44.761 ng  
 RT: 8.42 min Scan# 874  
 Delta R.T. -0.01 min  
 Lab File: BG035149.D  
 Acq: 14 Jun 2018 22:25

Tgt Ion:146 Resp: 144185  
 Ion Ratio Lower Upper  
 146 100  
 148 66.6 49.3 73.9  
 111 45.3 34.3 51.5





#15

Benzyl Alcohol

Concen: 46.095 ng

RT: 8.30 min Scan# 853

Delta R.T. -0.01 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

Instrument :

BNA\_G

ClientSampled :

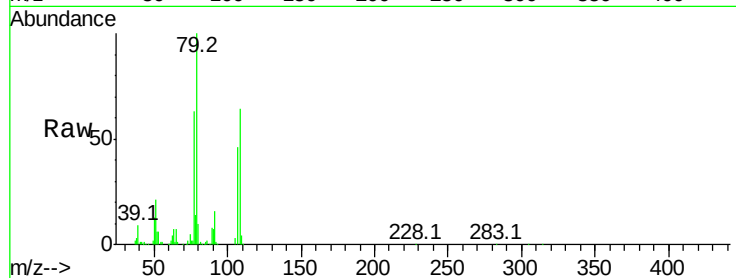
Tot Ion: 79 Resp: 171235

Ion Ratio Lower Upper

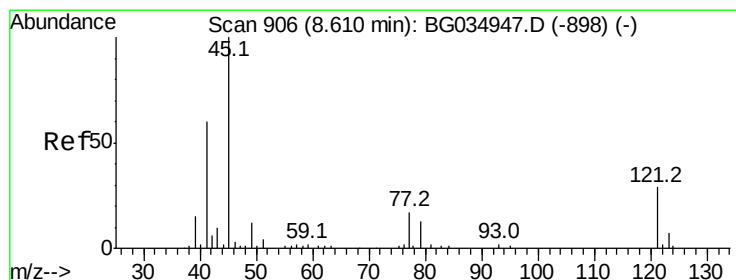
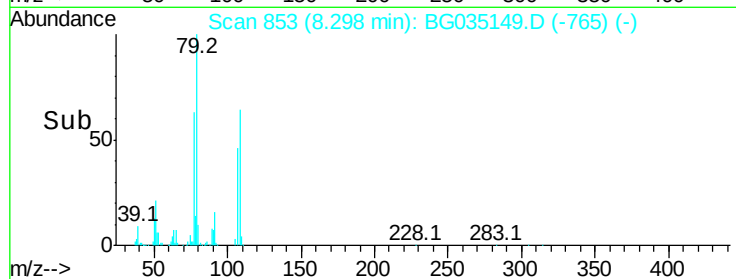
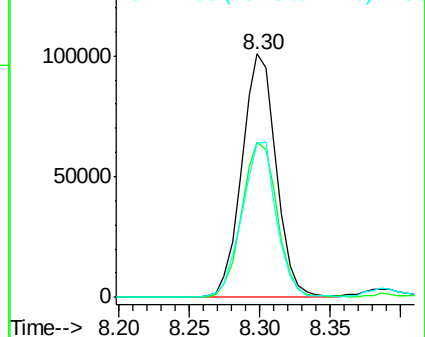
79 100

108 64.0 57.2 85.8

77 63.1 46.1 69.1



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: 49.739 ng

RT: 8.59 min Scan# 903

Delta R.T. -0.01 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

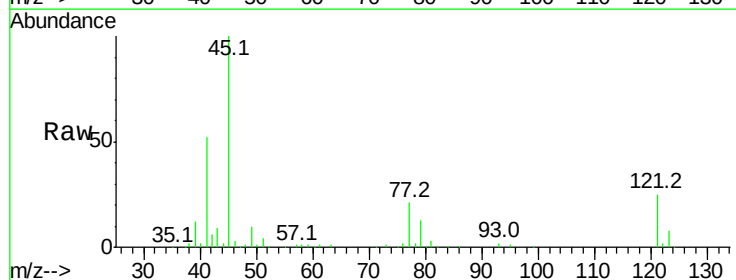
Tgt Ion: 45 Resp: 155894

Ion Ratio Lower Upper

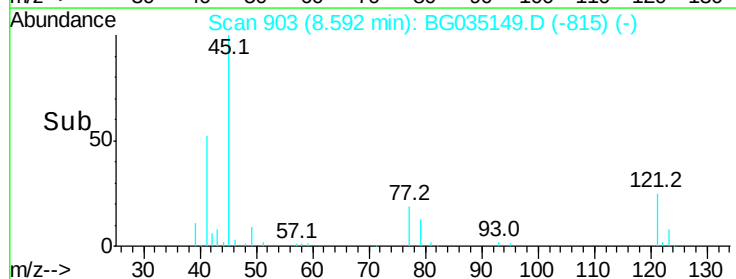
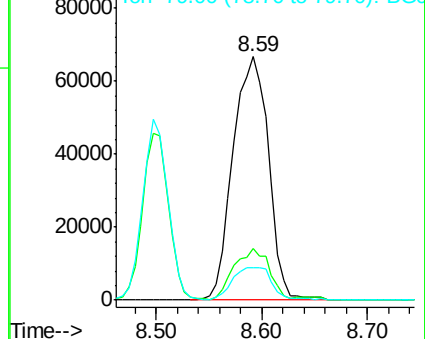
45 100

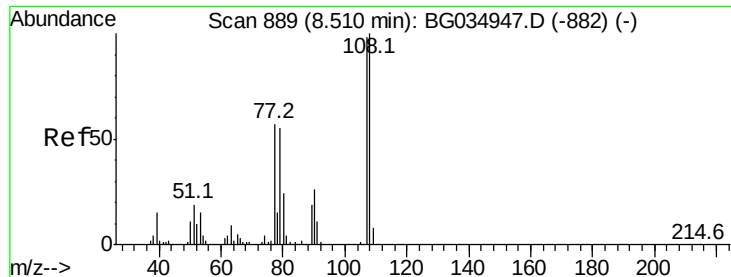
77 21.0 0.0 30.2

79 13.3 0.0 27.9



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: 53.255 ng

RT: 8.50 min Scan# 887

Delta R.T. -0.01 min

Lab File: BG035149.D

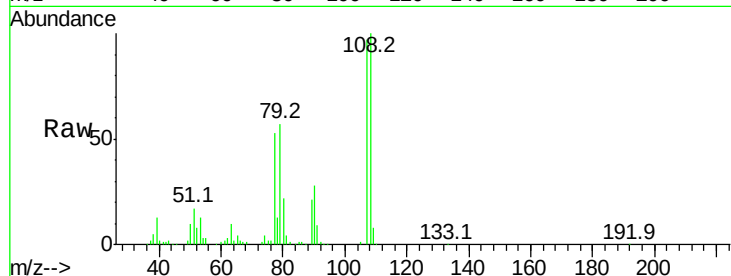
Acq: 14 Jun 2018 22:25

Instrument :

BNA\_G

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 142451 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 103.0 | 83.9  | 125.9  |
| 77       | 54.5  | 37.2  | 55.8   |
| 79       | 59.0  | 36.2  | 54.2#  |

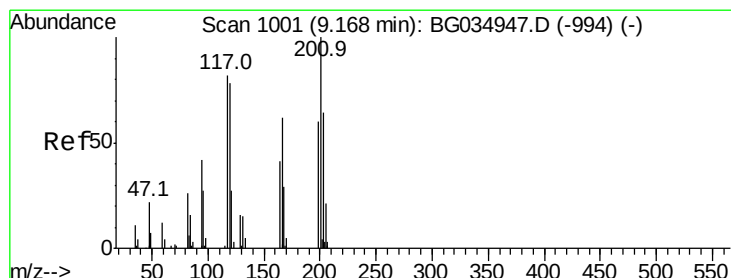
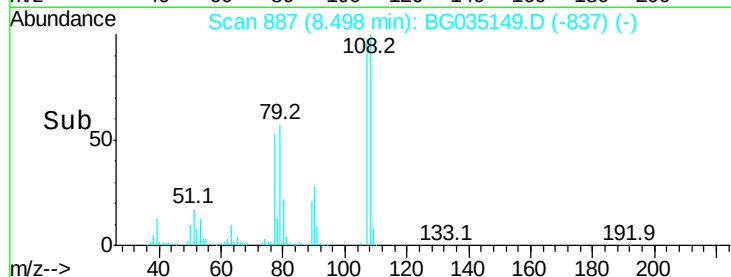
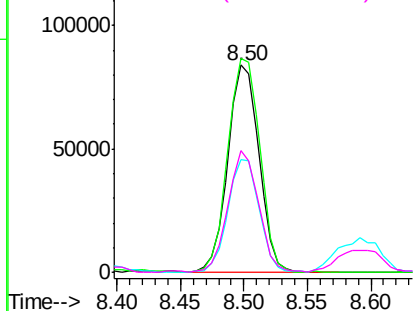


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 45.684 ng

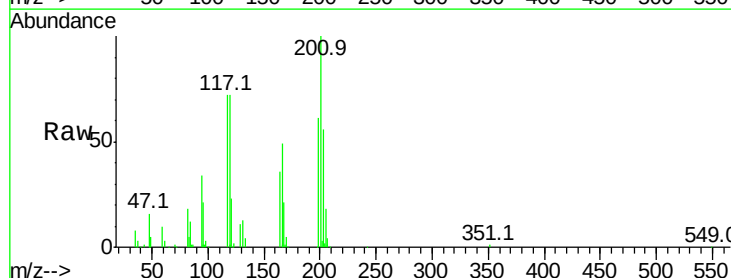
RT: 9.15 min Scan# 998

Delta R.T. -0.01 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

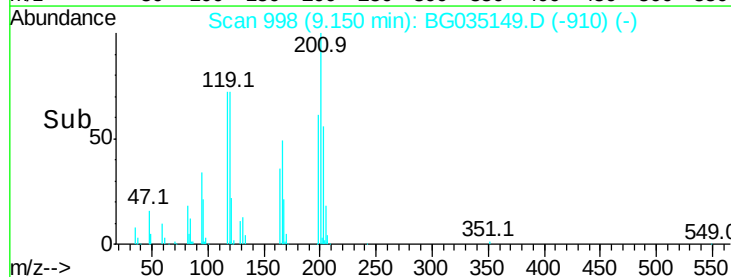
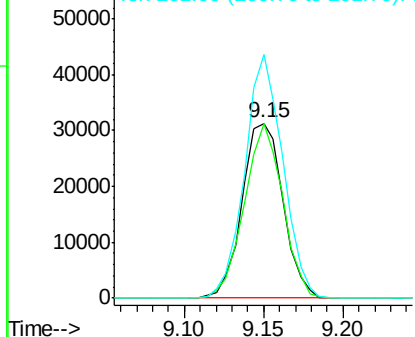
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 56088 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 100.2 | 76.7  | 115.1 |
| 201      | 139.3 | 95.7  | 143.5 |

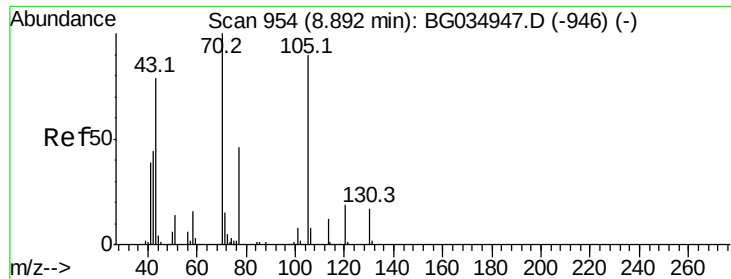


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

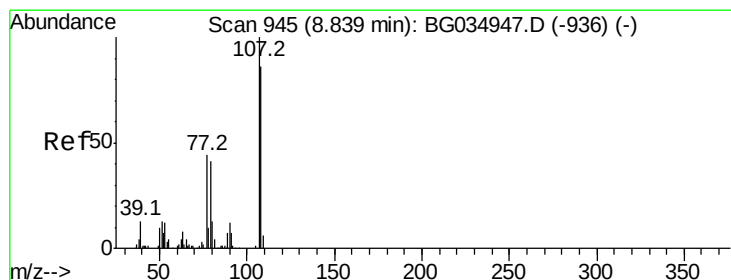
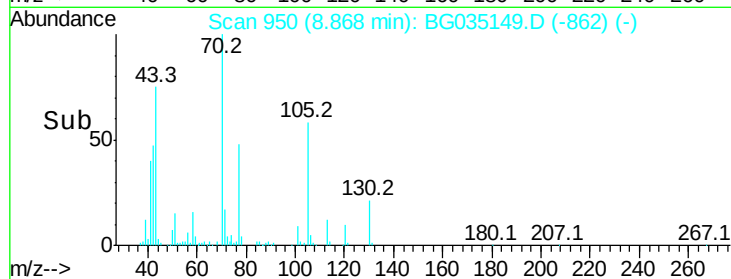
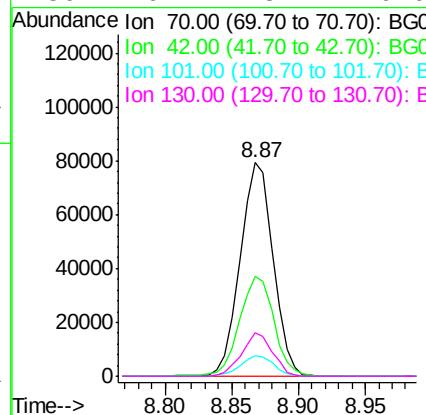
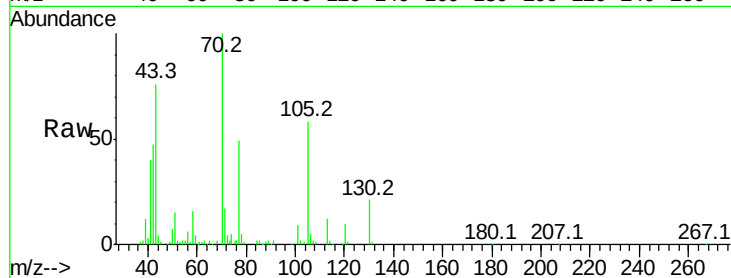




#19  
n-Nitroso-di-n-propylamine  
Concen: 40.461 ng  
RT: 8.87 min Scan# 950  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

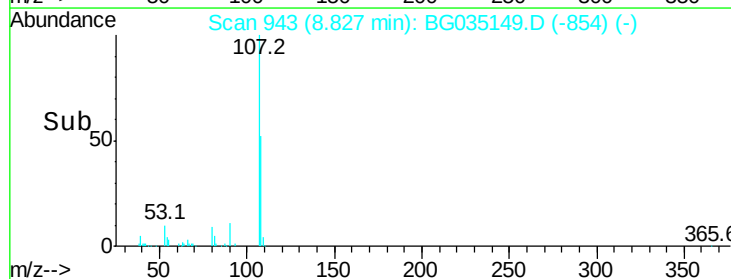
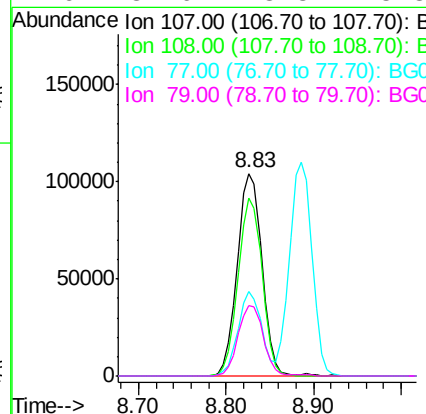
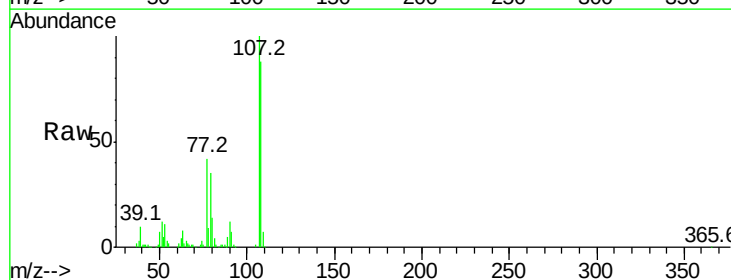
Instrument :  
BNA\_G  
ClientSampleId :

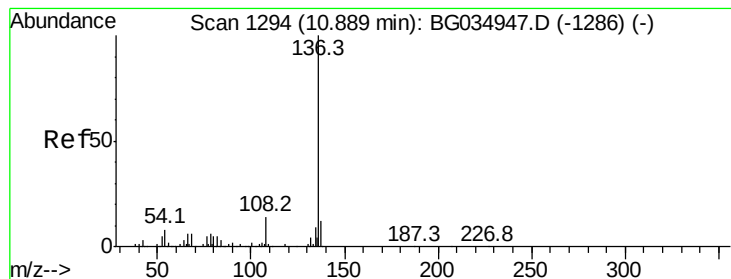
Tot Ion: 70 Resp: 134766  
Ion Ratio Lower Upper  
70 100  
42 46.9 49.1 73.7#  
101 9.5 8.5 12.7  
130 20.7 13.4 20.0#



#20  
3+4-Methylphenols  
Concen: 51.706 ng  
RT: 8.83 min Scan# 943  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

Tgt Ion: 107 Resp: 198248  
Ion Ratio Lower Upper  
107 100  
108 88.2 61.6 101.6  
77 41.6 13.9 53.9  
79 34.6 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.87 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:136 Resp: 180519

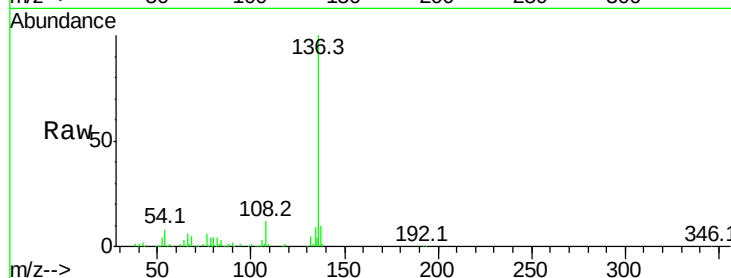
Ion Ratio Lower Upper

136 100

137 10.3 9.2 13.8

54 7.7 10.3 15.5#

68 5.2 4.5 6.7

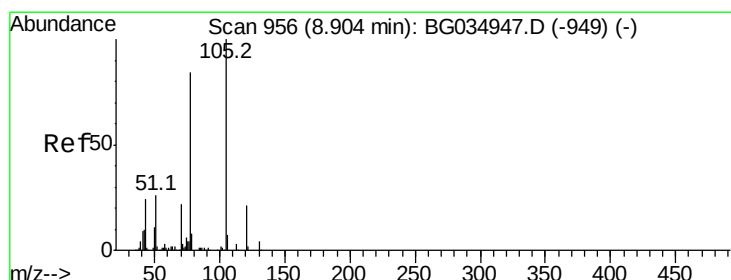
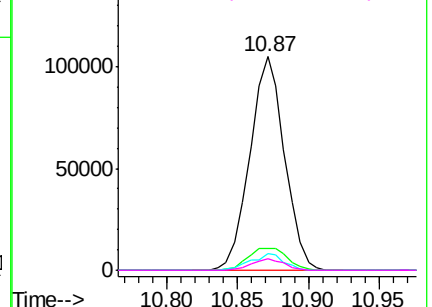
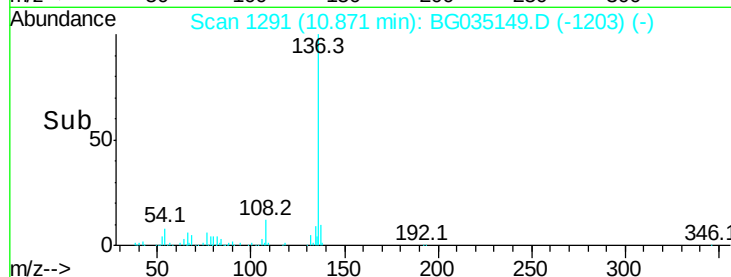


Abundance Ion 136.00 (135.70 to 136.70): E

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: 42.811 ng

RT: 8.89 min Scan# 953

Delta R.T. -0.01 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

Tgt Ion:105 Resp: 239395

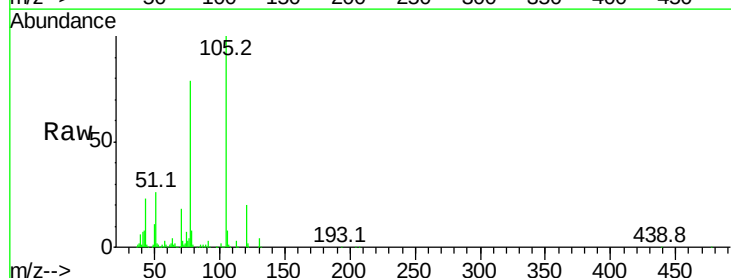
Ion Ratio Lower Upper

105 100

71 2.8 3.0 4.4#

51 25.9 26.1 39.1#

120 20.2 17.4 26.2

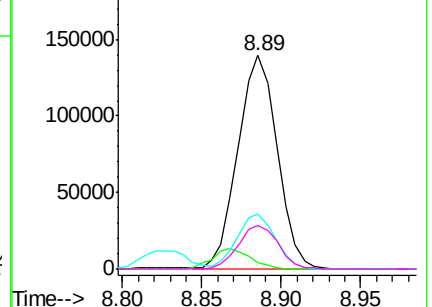
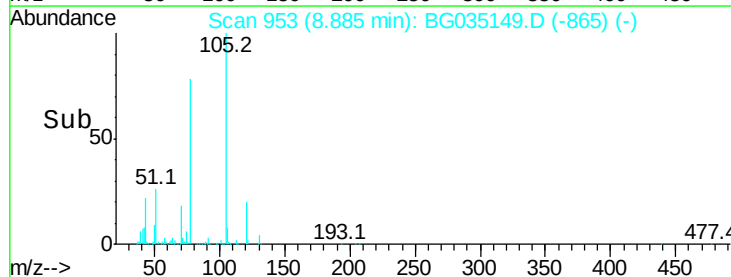


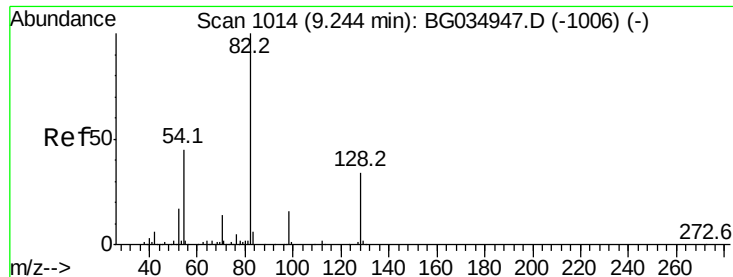
Abundance Ion 105.00 (104.70 to 105.70): E

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

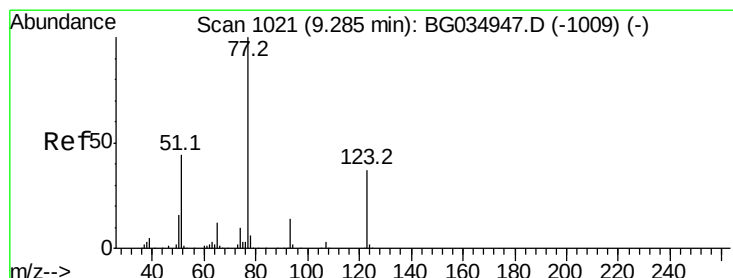
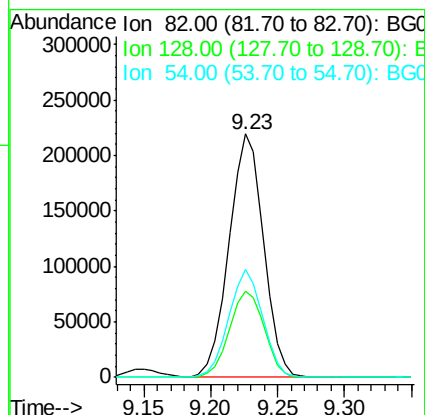
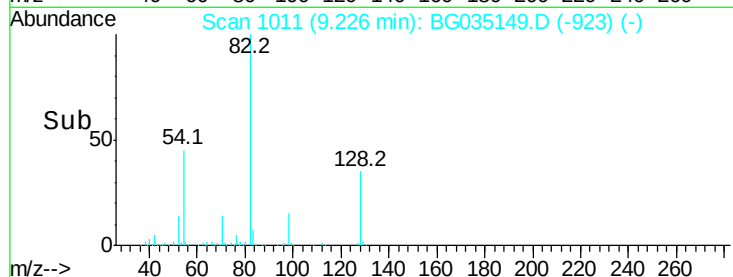
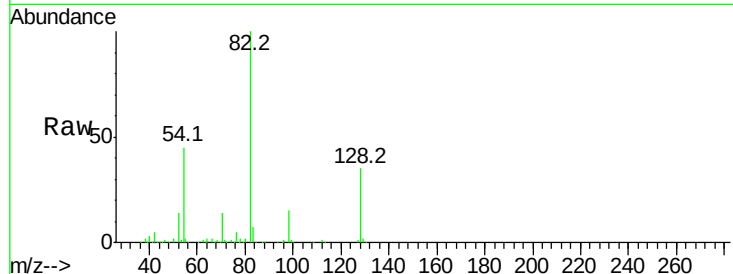




#23  
 Nitrobenzene-d5  
 Concen: 104.090 ng  
 RT: 9.23 min Scan# 1011  
 Delta R.T. -0.01 min  
 Lab File: BG035149.D  
 Acq: 14 Jun 2018 22:25

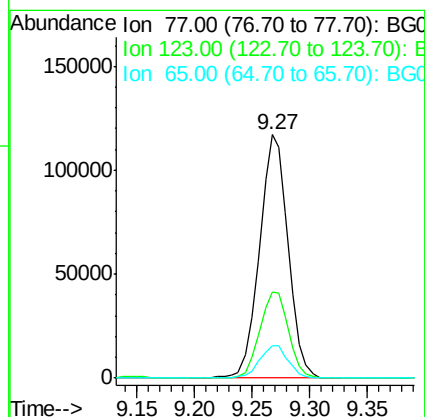
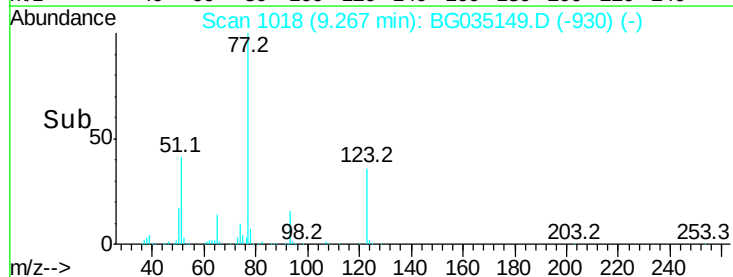
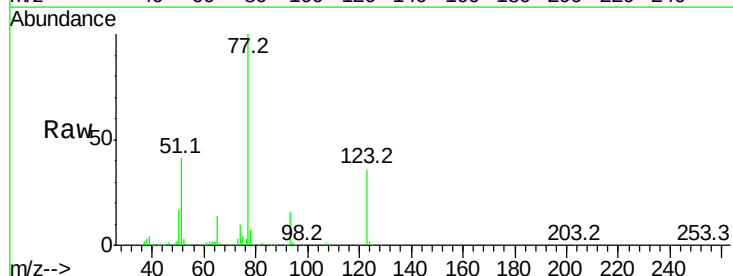
Instrument :  
 BNA\_G  
 ClientSampled :

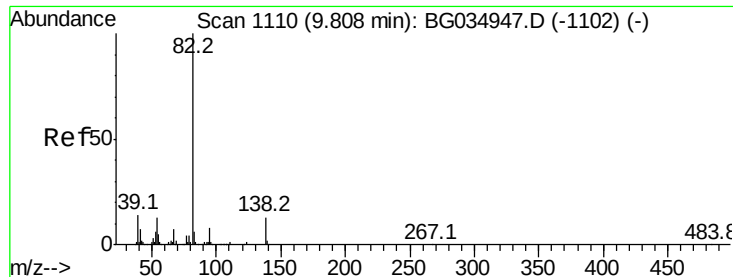
| Tot Ion   | 82    | Resp  | 395296 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 35.5  | 29.7  | 44.5   |
| 54        | 44.6  | 43.1  | 64.7   |



#24  
 Nitrobenzene  
 Concen: 51.856 ng  
 RT: 9.27 min Scan# 1018  
 Delta R.T. -0.01 min  
 Lab File: BG035149.D  
 Acq: 14 Jun 2018 22:25

| Tgt Ion   | 77    | Resp  | 201661 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 35.6  | 33.0  | 49.6   |
| 65        | 13.5  | 13.0  | 19.6   |

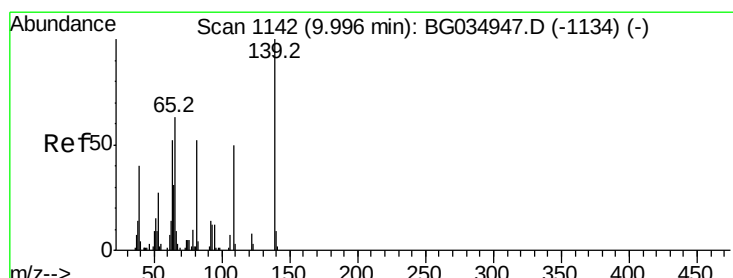
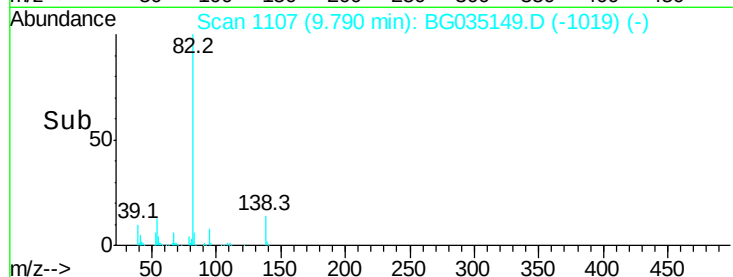
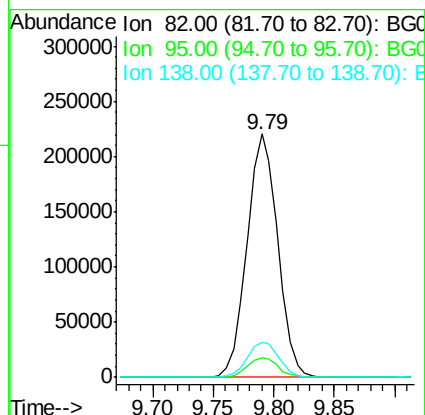
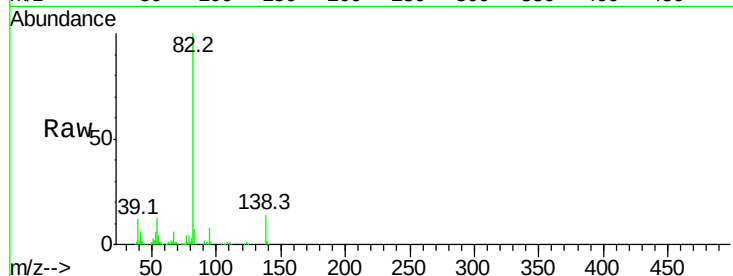




#25  
Isophorone  
Concen: 48.675 ng  
RT: 9.79 min Scan# 1107  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

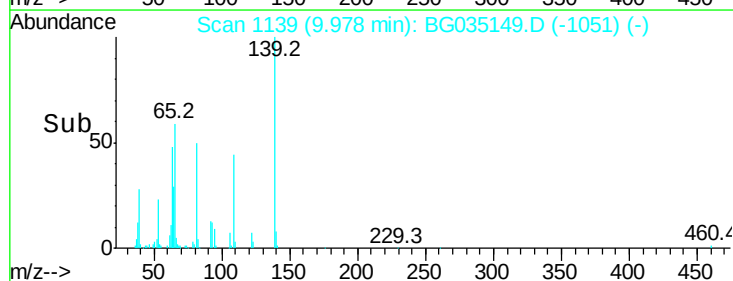
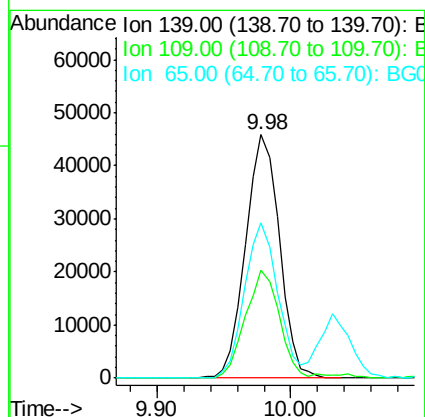
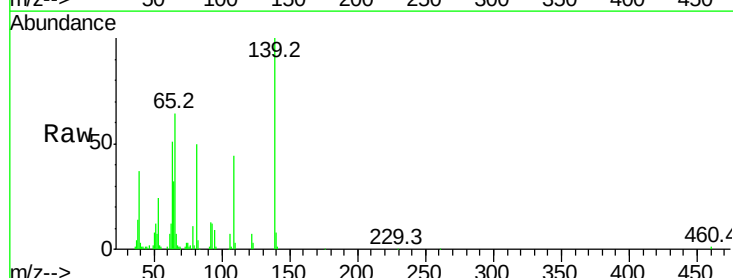
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion: 82 Resp: 390280  
Ion Ratio Lower Upper  
82 100  
95 8.2 6.2 9.2  
138 14.2 12.1 18.1

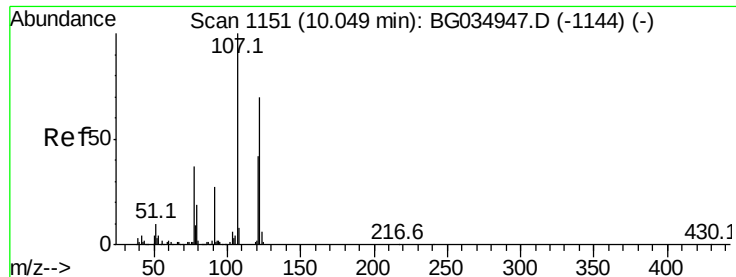


#26  
2-Nitrophenol  
Concen: 59.816 ng  
RT: 9.98 min Scan# 1139  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

Tgt Ion: 139 Resp: 80181  
Ion Ratio Lower Upper  
139 100  
109 44.4 24.2 36.2#  
65 63.9 47.4 71.0



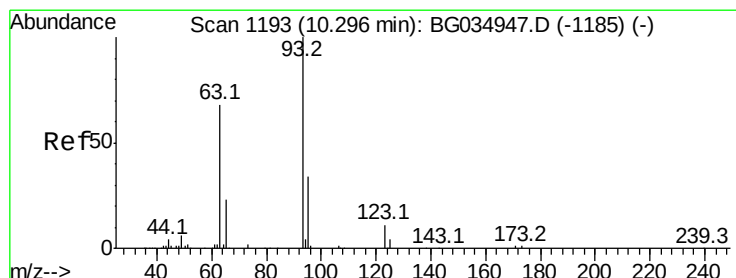
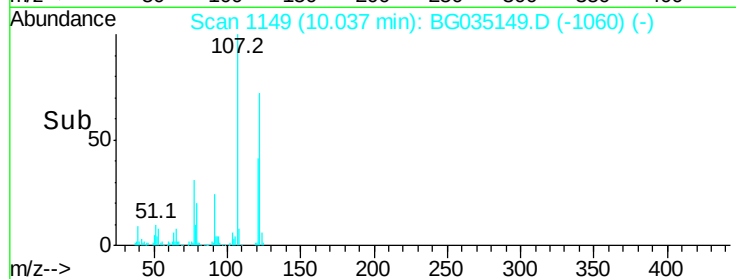
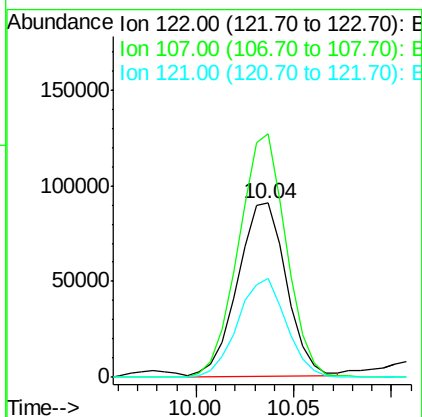
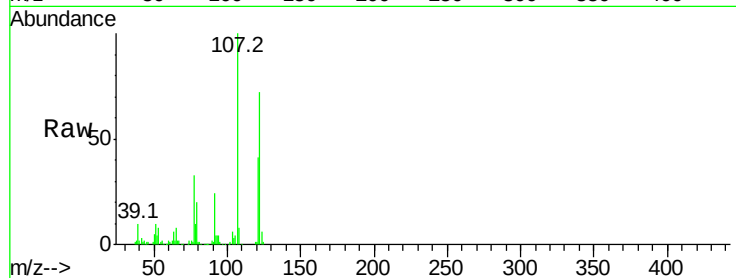




#27  
2,4-Dimethylphenol  
Concen: 55.234 ng  
RT: 10.04 min Scan# 1149  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

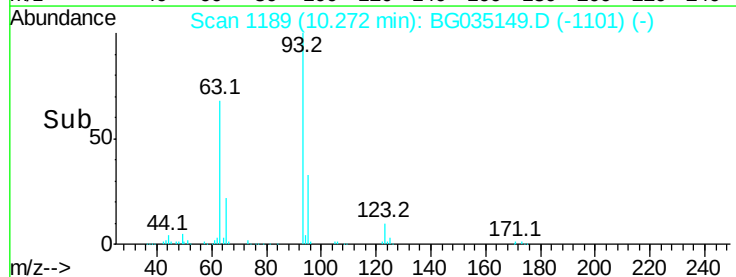
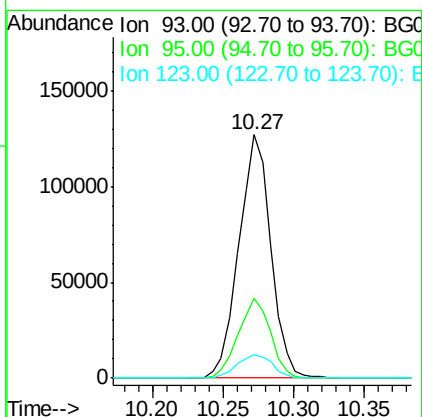
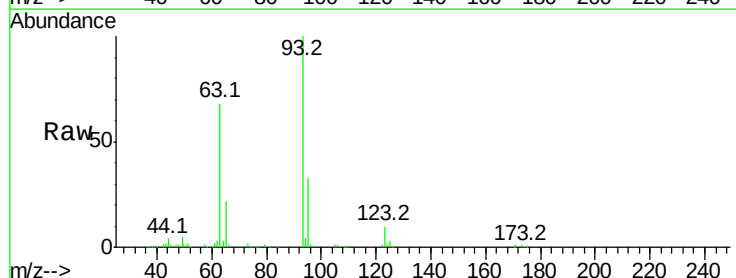
Instrument :  
BNA\_G  
ClientSampleId :

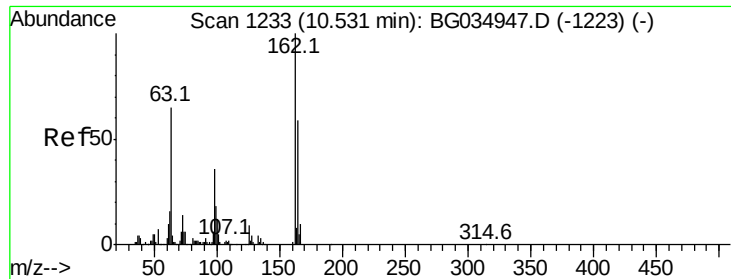
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 139.9 | 100.2 | 150.2 |
| 121     | 57.0  | 44.4  | 66.6  |



#28  
bis(2-Chloroethoxy)methane  
Concen: 46.720 ng  
RT: 10.27 min Scan# 1189  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.9  | 24.3  | 36.5  |
| 123     | 9.7   | 8.4   | 12.6  |

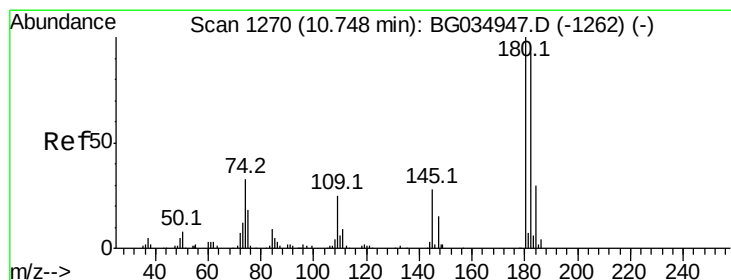
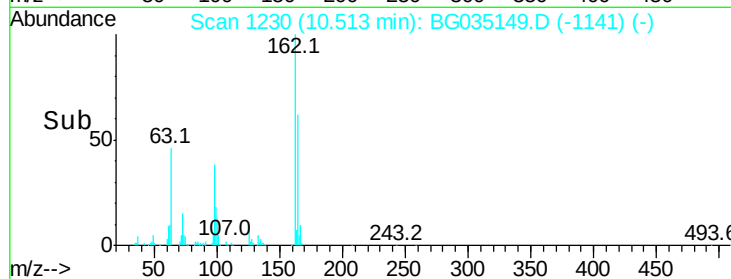
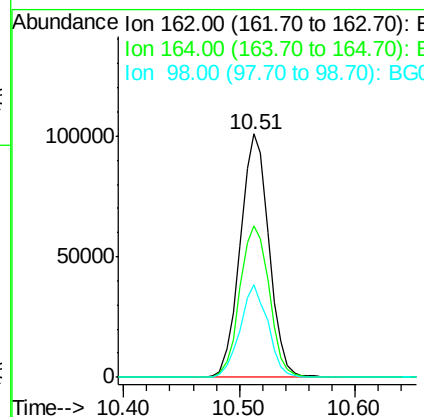
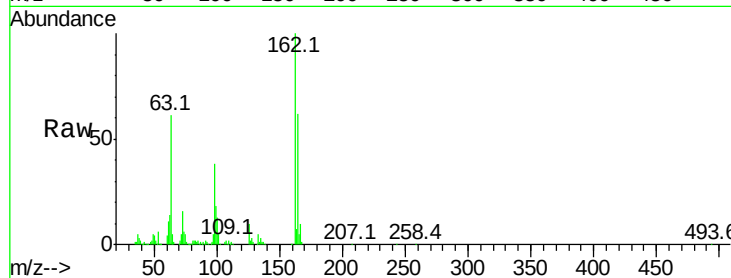




#29  
2,4-Dichlorophenol  
Concen: 56.598 ng  
RT: 10.51 min Scan# 1230  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

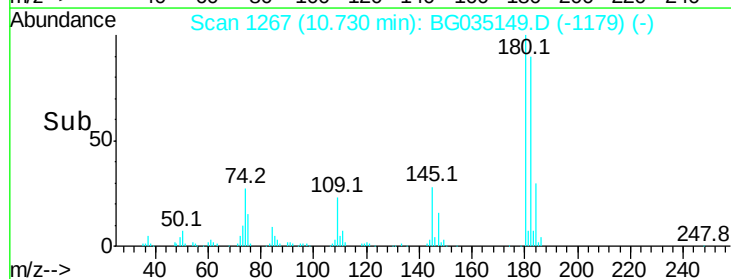
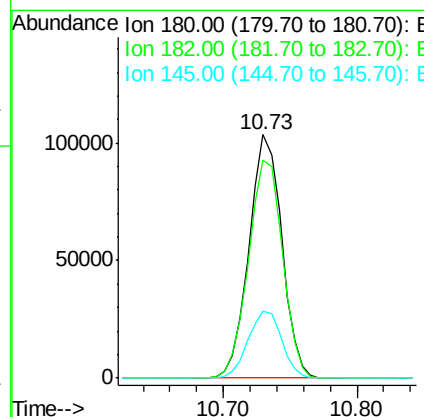
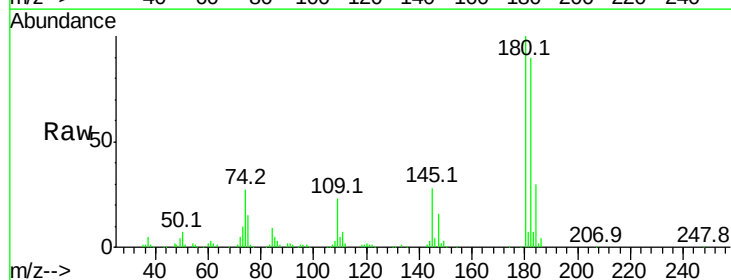
Instrument :  
BNA\_G  
ClientSampled :

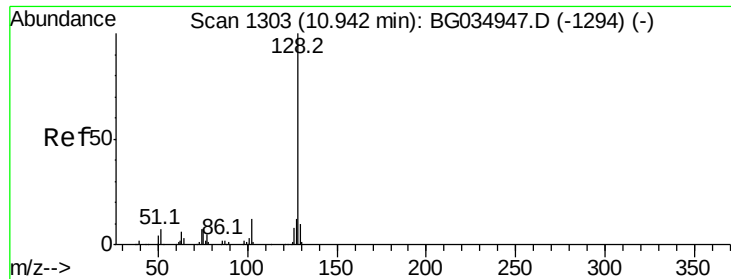
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 62.3  | 48.0  | 88.0  |
| 98      | 38.1  | 21.1  | 61.1  |



#30  
1,2,4-Trichlorobenzene  
Concen: 47.597 ng  
RT: 10.73 min Scan# 1267  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 89.5  | 77.5  | 116.3 |
| 145     | 27.5  | 23.4  | 35.2  |

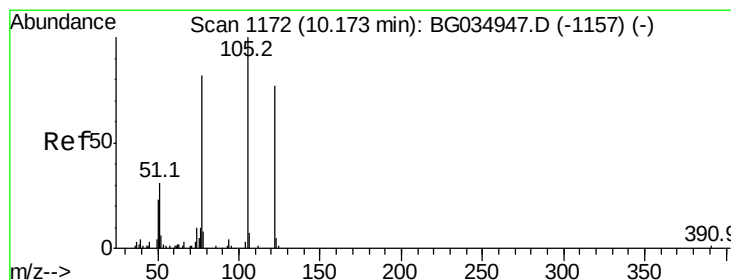
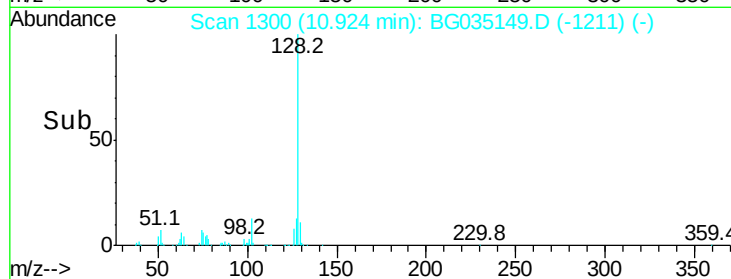
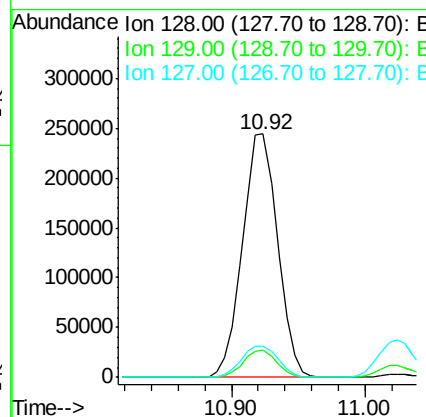
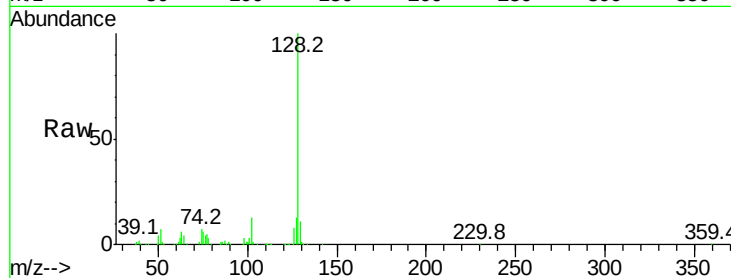




#31  
Naphthalene  
Concen: 47.282 ng  
RT: 10.92 min Scan# 1300  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

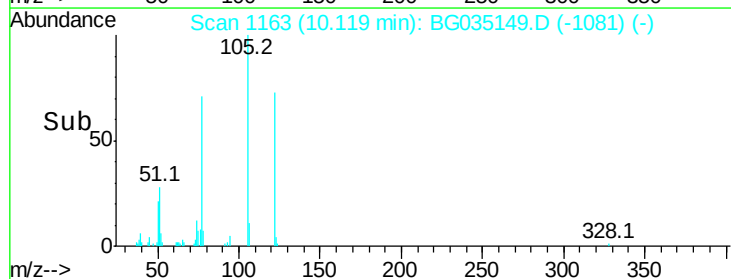
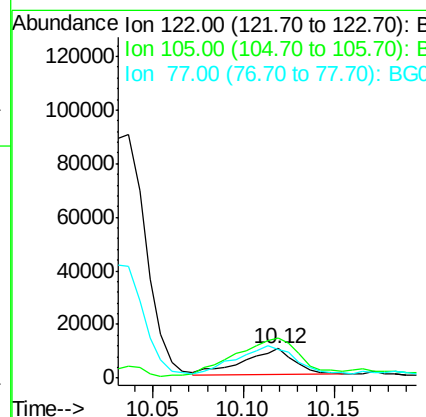
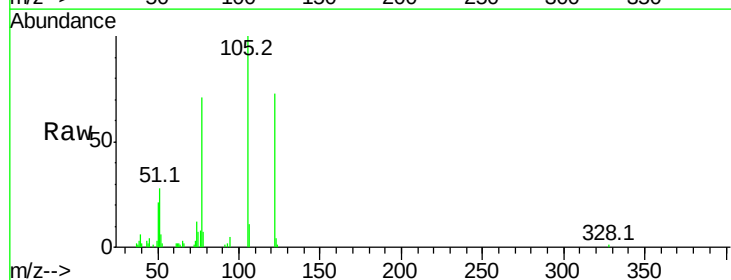
Instrument :  
BNA\_G  
ClientSampleId :

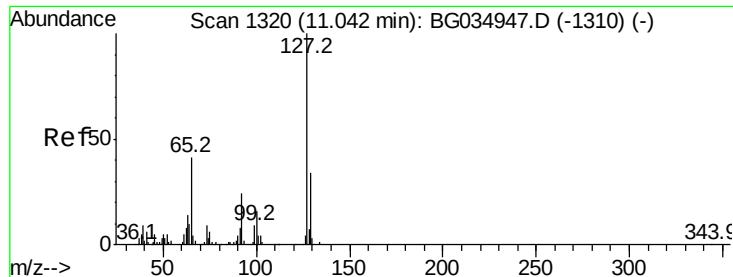
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.0  | 8.6   | 12.8  |
| 127     | 12.8  | 11.6  | 17.4  |



#32  
Benzoic acid  
Concen: 10.149 ng  
RT: 10.12 min Scan# 1163  
Delta R.T. -0.05 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 137.4 | 123.5 | 163.5 |
| 77      | 97.9  | 85.7  | 125.7 |

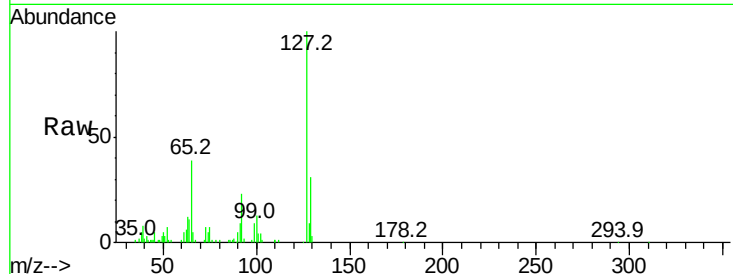




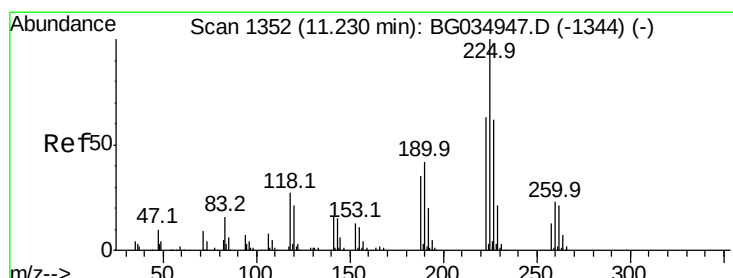
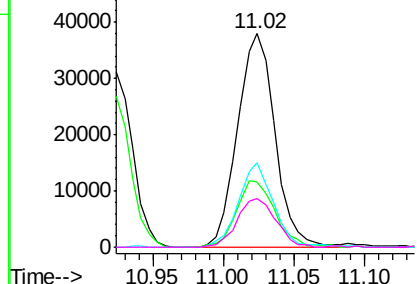
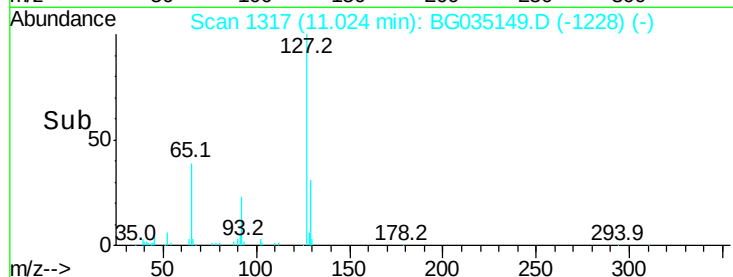
#33  
4-Chloroaniline  
Concen: 17.297 ng  
RT: 11.02 min Scan# 1317  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:127 Resp: 70432  
Ion Ratio Lower Upper  
127 100  
129 30.8 24.0 36.0  
65 39.4 27.0 40.4  
92 23.1 16.6 25.0

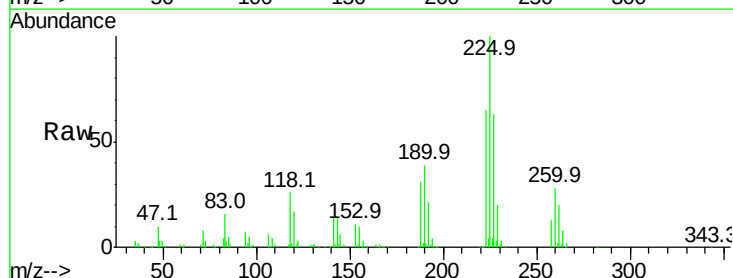


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC

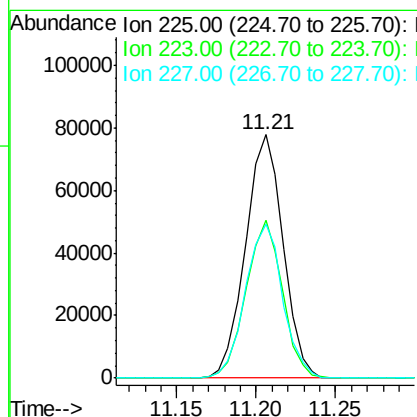
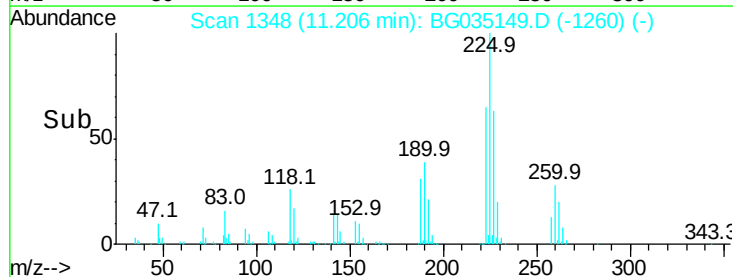


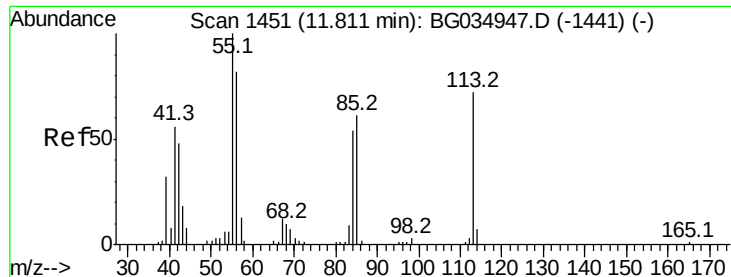
#34  
Hexachlorobutadiene  
Concen: 44.820 ng  
RT: 11.21 min Scan# 1348  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

Tgt Ion:225 Resp: 128138  
Ion Ratio Lower Upper  
225 100  
223 65.1 49.7 74.5  
227 63.1 48.1 72.1



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 42.277 ng

RT: 11.80 min Scan# 1449

Delta R.T. -0.01 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

Instrument :

BNA\_G

ClientSampleId :

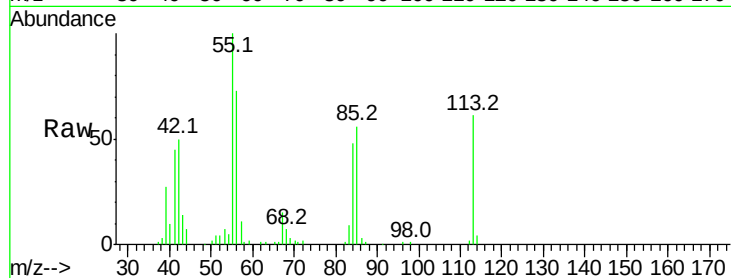
Tot Ion:113 Resp: 47901

Ion Ratio Lower Upper

113 100

55 164.9 186.9 226.9#

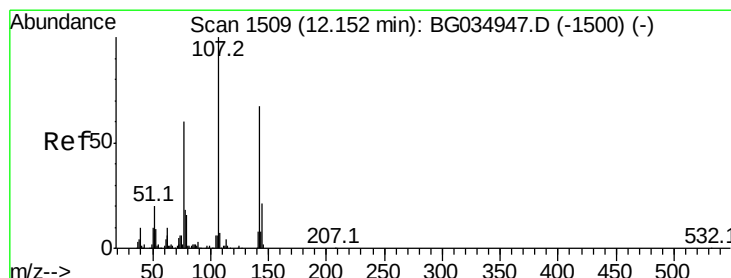
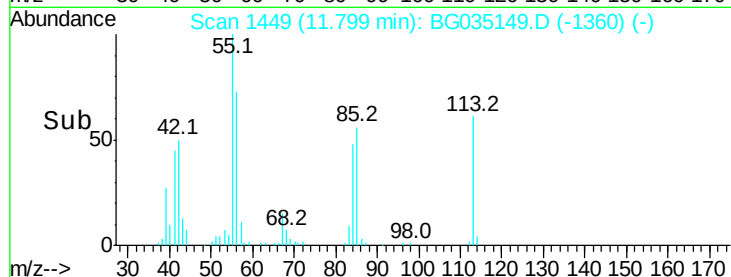
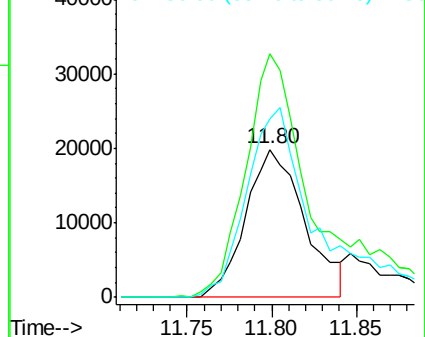
56 120.5 130.9 170.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 54.938 ng

RT: 12.14 min Scan# 1507

Delta R.T. -0.00 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

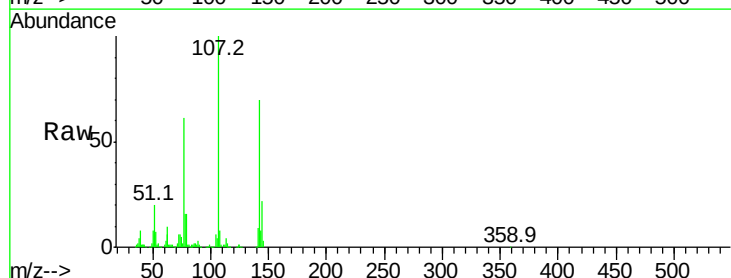
Tgt Ion:107 Resp: 209951

Ion Ratio Lower Upper

107 100

144 22.2 18.2 27.4

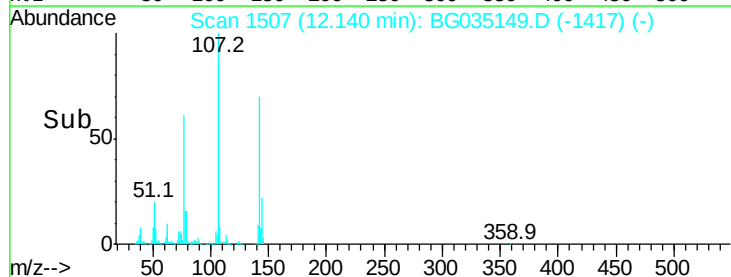
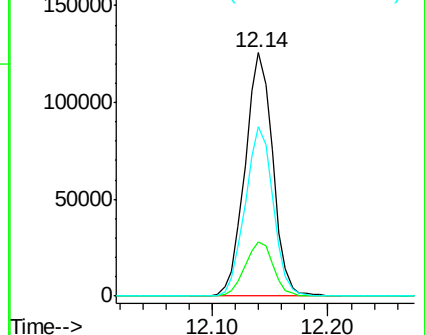
142 69.5 59.0 88.4

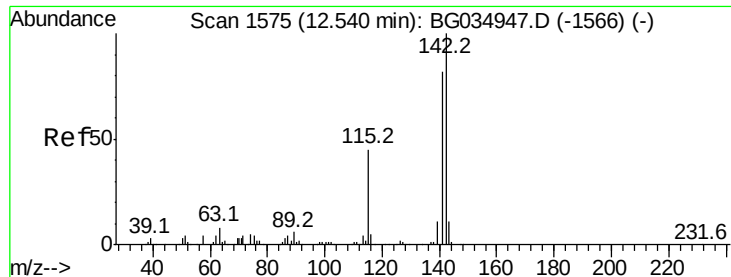


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

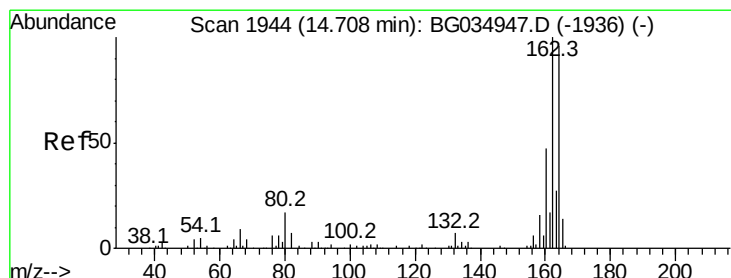
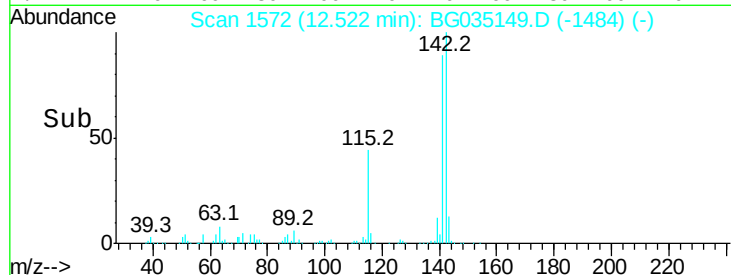
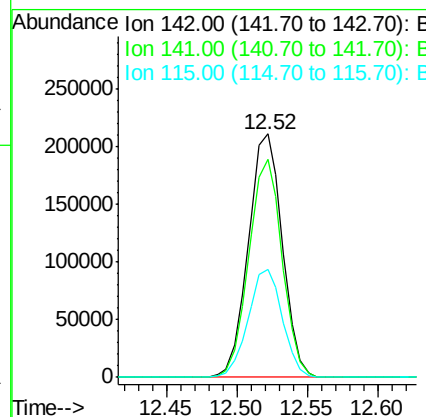
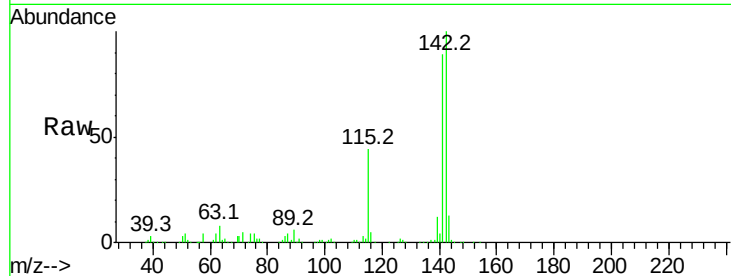




#37  
2-Methylnaphthalene  
Concen: 50.028 ng  
RT: 12.52 min Scan# 1572  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

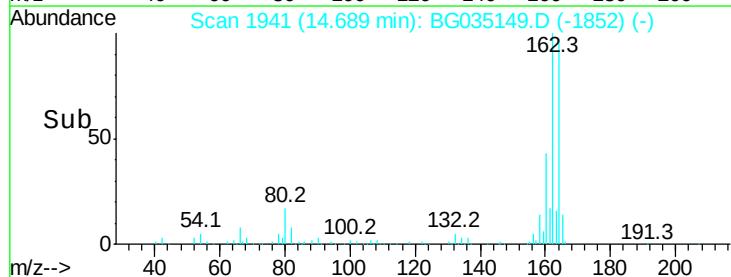
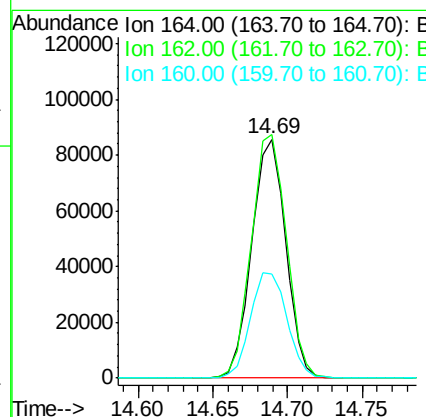
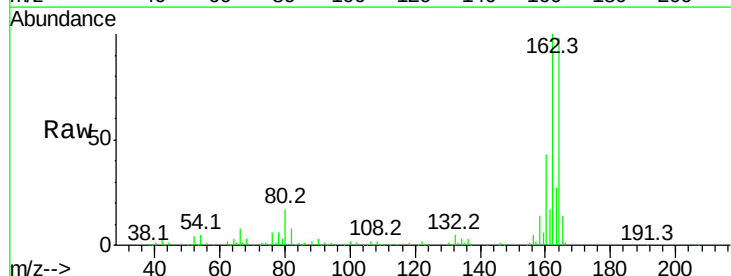
Instrument :  
BNA\_G  
ClientSampleId :

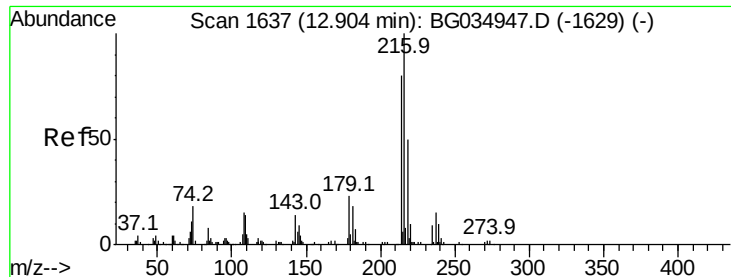
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.3  | 67.1  | 100.7 |
| 115     | 44.3  | 30.7  | 46.1  |



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.69 min Scan# 1941  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.1 | 78.8  | 118.2 |
| 160     | 43.7  | 35.4  | 53.0  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 47.632 ng

RT: 12.89 min Scan# 1634

Delta R.T. -0.01 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:216 Resp: 238367

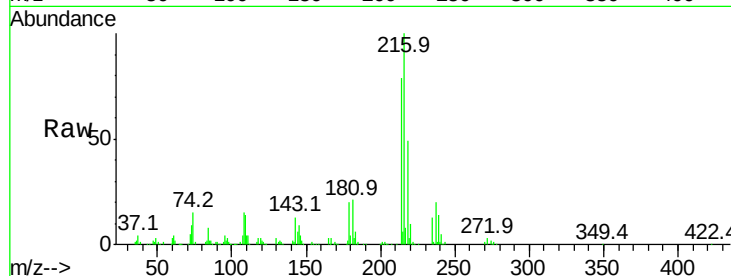
Ion Ratio Lower Upper

216 100

214 78.8 63.0 94.4

179 19.9 17.0 25.6

108 17.5 12.8 19.2

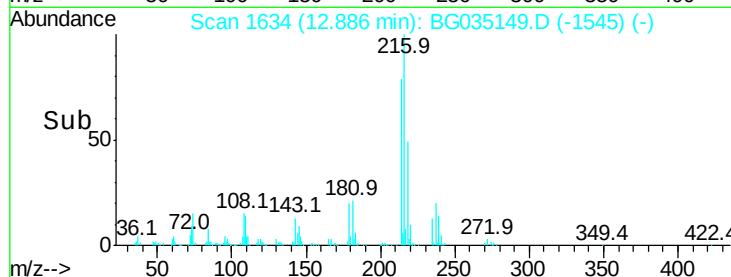


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



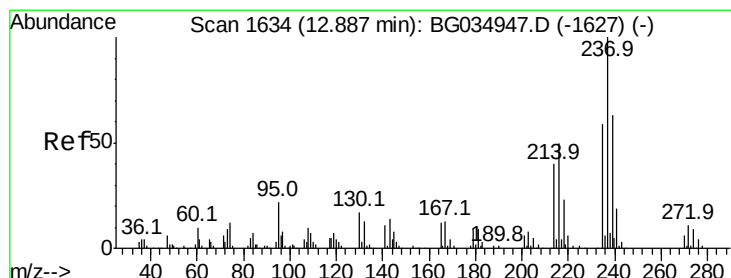
Abundance Ion 216.00 (215.70 to 216.70): E

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

Time--> 12.80 12.85 12.90 12.95



#40

Hexachlorocyclopentadiene

Concen: 103.401 ng

RT: 12.87 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

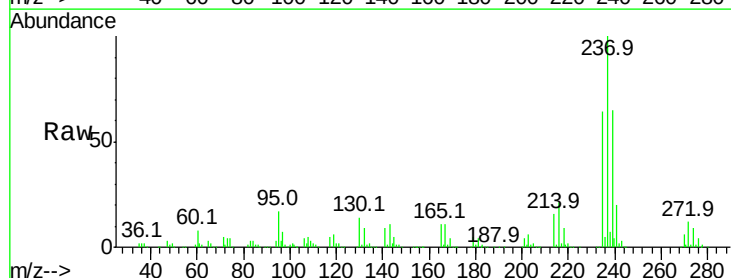
Tgt Ion:237 Resp: 324490

Ion Ratio Lower Upper

237 100

235 64.3 50.4 90.4

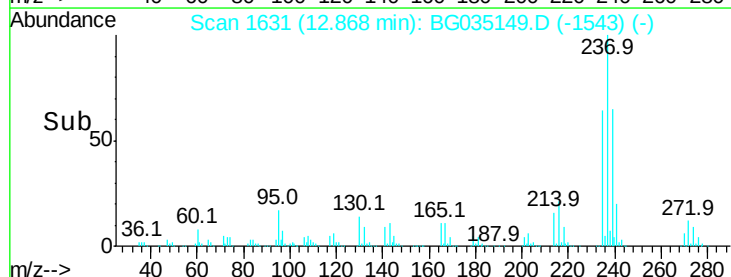
272 11.7 0.0 31.8



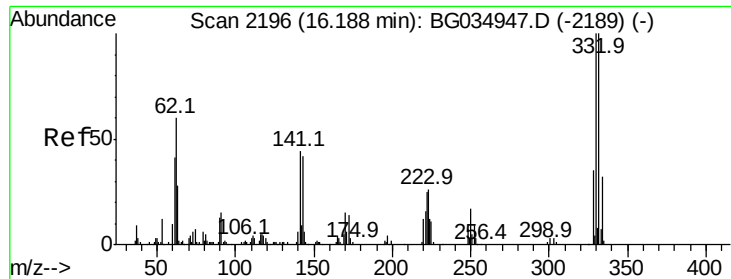
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



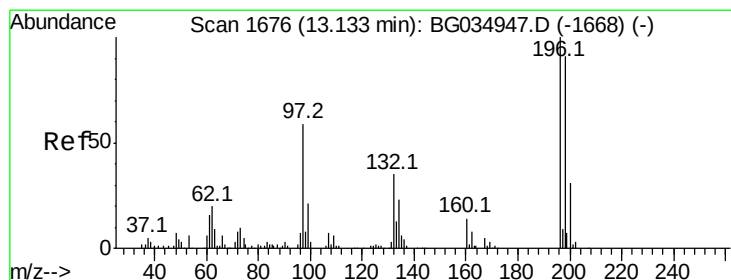
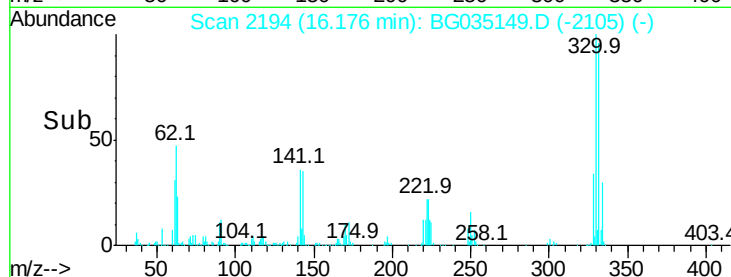
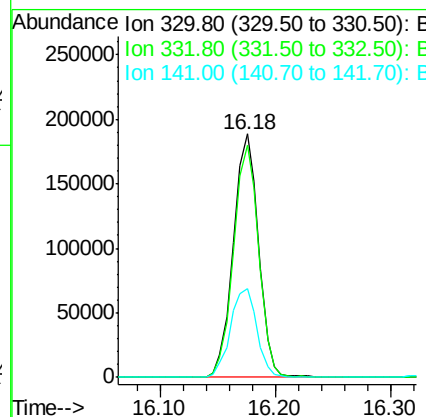
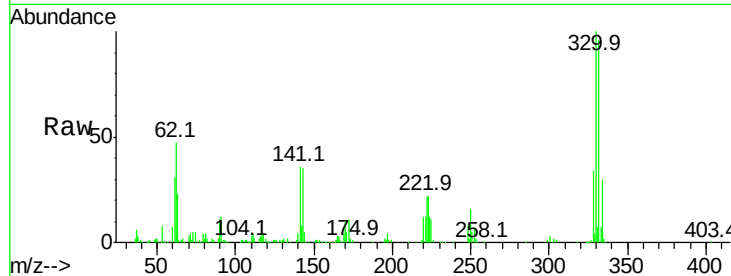
Time--> 12.80 12.85 12.90 12.95



#41  
 2,4,6-Tribromophenol  
 Concen: 165.933 ng  
 RT: 16.18 min Scan# 2194  
 Delta R.T. -0.01 min  
 Lab File: BG035149.D  
 Acq: 14 Jun 2018 22:25

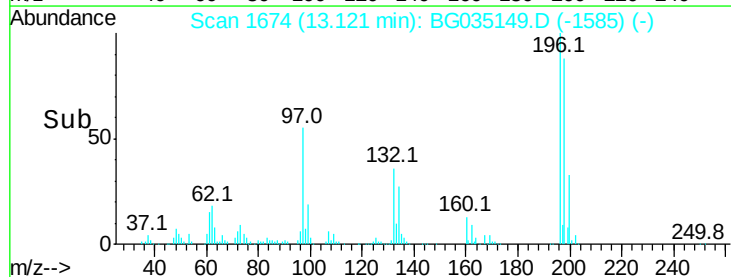
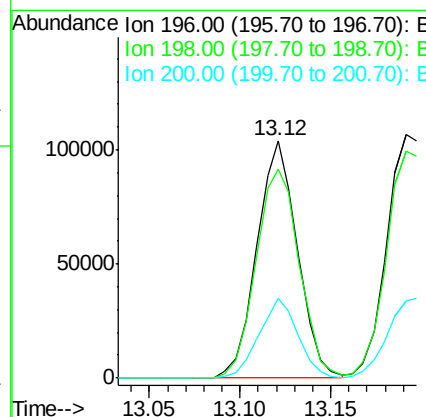
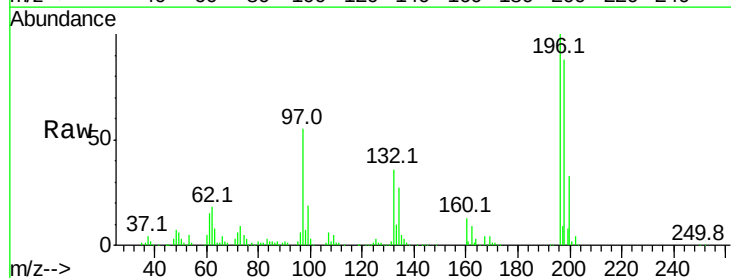
Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.2  | 77.0  | 115.6 |
| 141     | 38.3  | 25.2  | 37.8# |

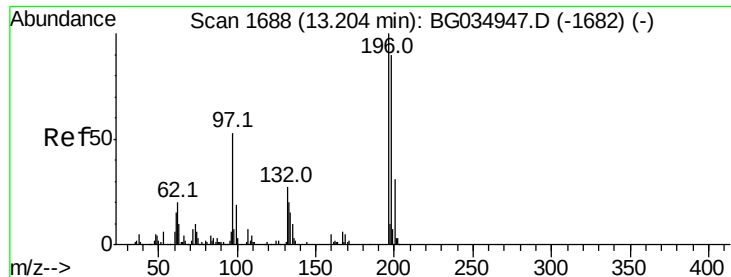


#42  
 2,4,6-Trichlorophenol  
 Concen: 54.049 ng  
 RT: 13.12 min Scan# 1674  
 Delta R.T. -0.01 min  
 Lab File: BG035149.D  
 Acq: 14 Jun 2018 22:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 87.9  | 78.2  | 117.2 |
| 200     | 33.4  | 24.6  | 36.8  |



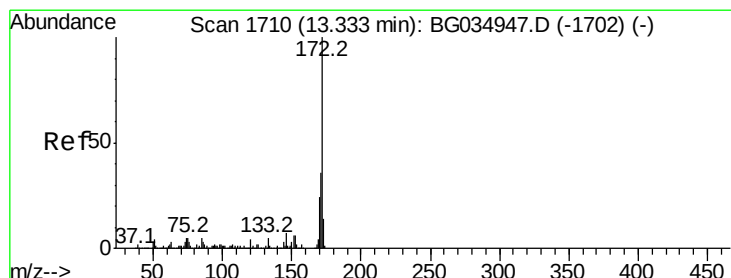
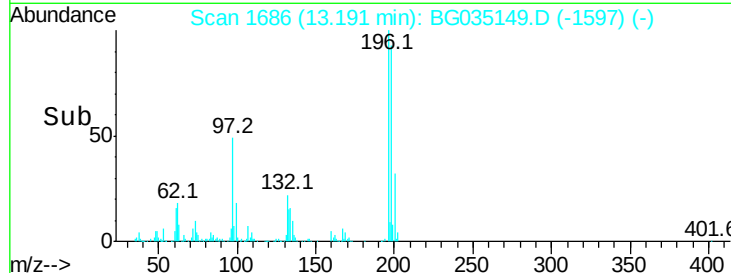
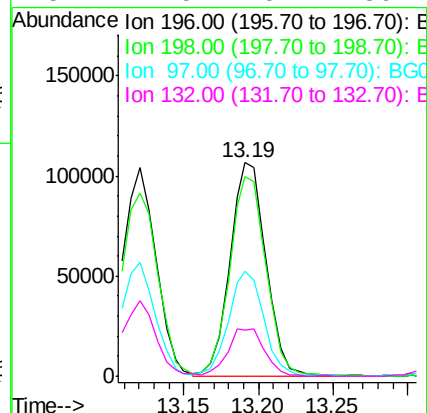
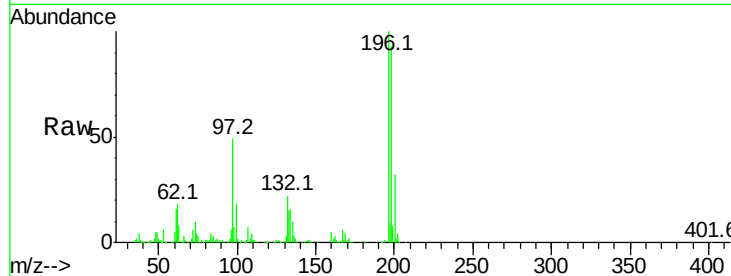




#43  
2,4,5-Trichlorophenol  
Concen: 54.215 ng  
RT: 13.19 min Scan# 1686  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

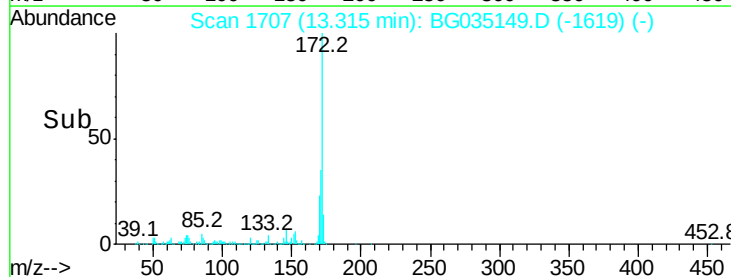
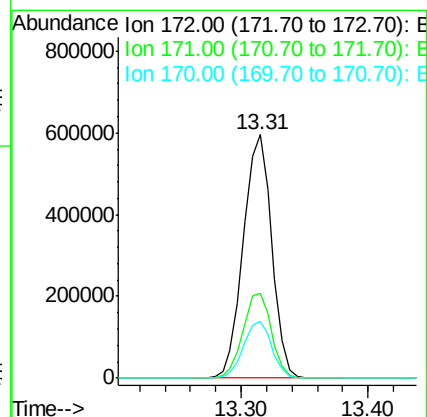
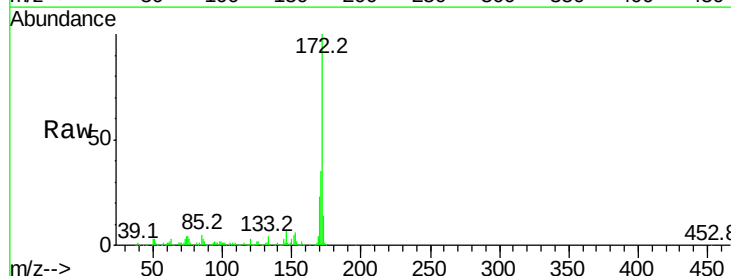
Instrument :  
BNA\_G  
ClientSampleId :

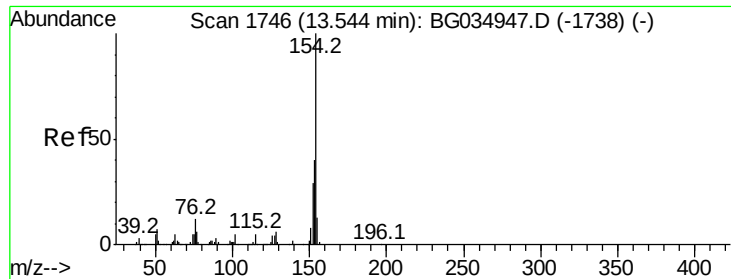
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 93.3  | 76.2  | 114.4 |
| 97      | 49.0  | 38.7  | 58.1  |
| 132     | 21.5  | 20.2  | 30.2  |



#44  
2-Fluorobiphenyl  
Concen: 89.276 ng  
RT: 13.31 min Scan# 1707  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.0  | 30.0  | 45.0  |
| 170     | 23.3  | 19.5  | 29.3  |

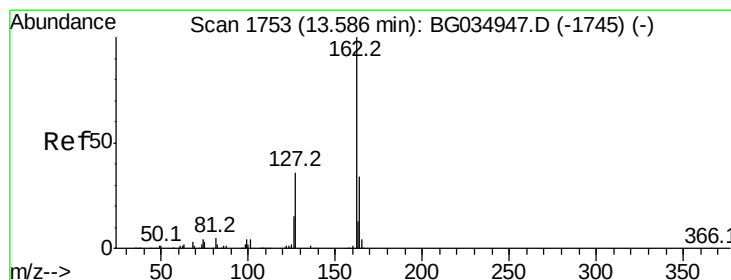
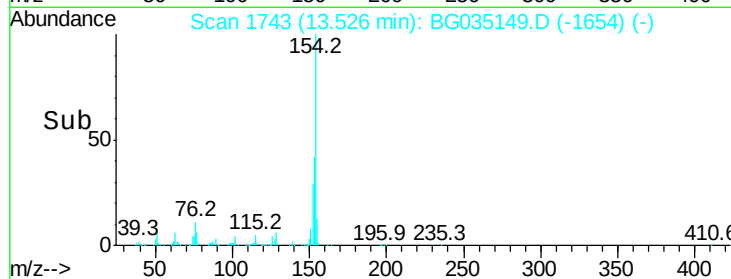
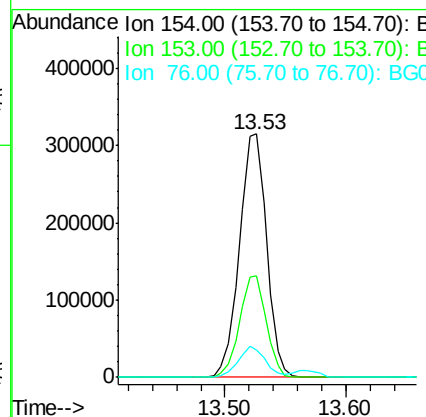
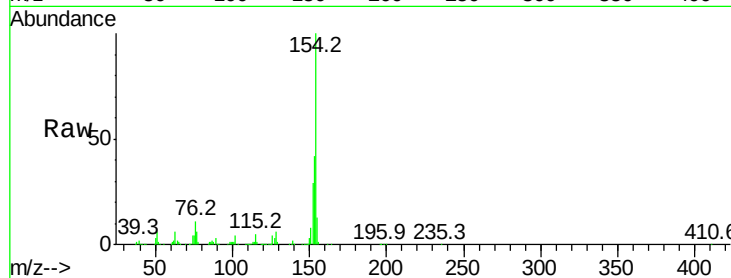




#45  
 1,1'-Biphenyl  
 Concen: 45.701 ng  
 RT: 13.53 min Scan# 1743  
 Delta R.T. -0.01 min  
 Lab File: BG035149.D  
 Acq: 14 Jun 2018 22:25

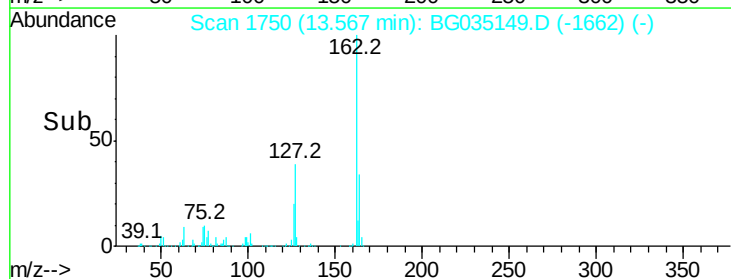
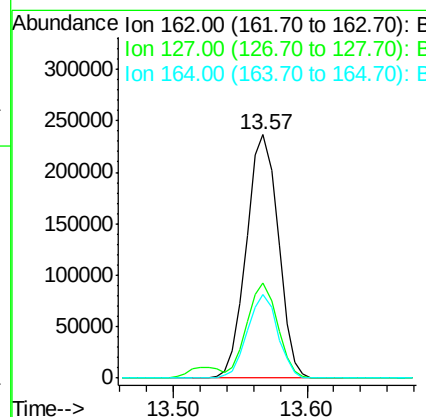
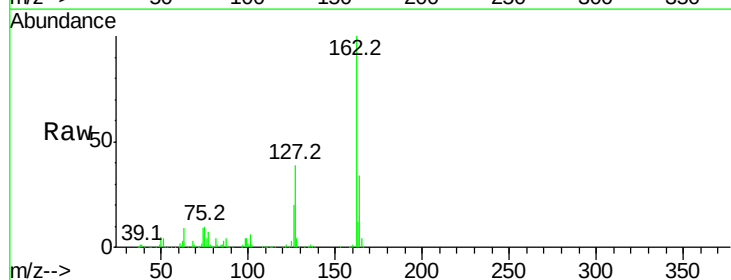
Instrument :  
 BNA\_G  
 ClientSampleId :

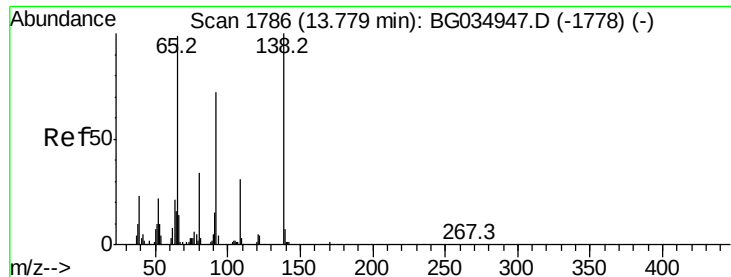
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.8  | 19.8  | 59.8  |
| 76      | 11.4  | 0.0   | 31.9  |



#46  
 2-Chloronaphthalene  
 Concen: 47.586 ng  
 RT: 13.57 min Scan# 1750  
 Delta R.T. -0.01 min  
 Lab File: BG035149.D  
 Acq: 14 Jun 2018 22:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 39.3  | 30.7  | 46.1  |
| 164     | 34.3  | 26.0  | 39.0  |





#47

2-Nitroaniline

Concen: 59.837 ng

RT: 13.76 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

Instrument :

BNA\_G

ClientSampleId :

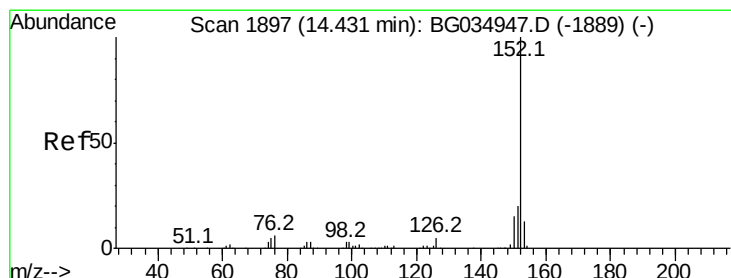
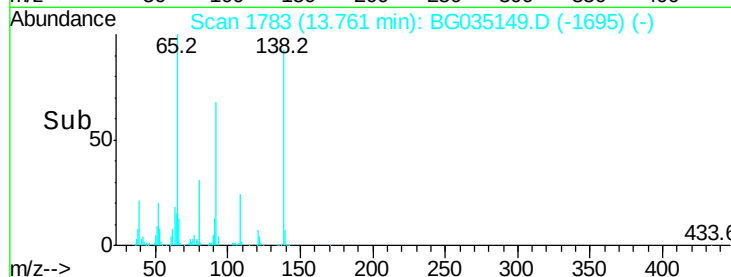
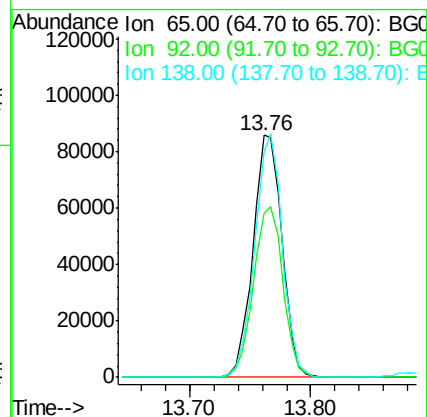
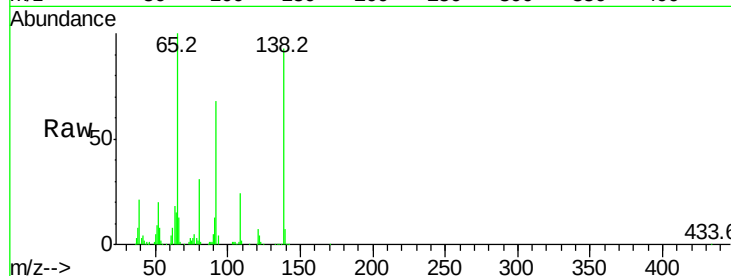
Tot Ion: 65 Resp: 144323

Ion Ratio Lower Upper

65 100

92 67.9 54.6 82.0

138 93.1 72.9 109.3



#48

Acenaphthylene

Concen: 48.147 ng

RT: 14.41 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

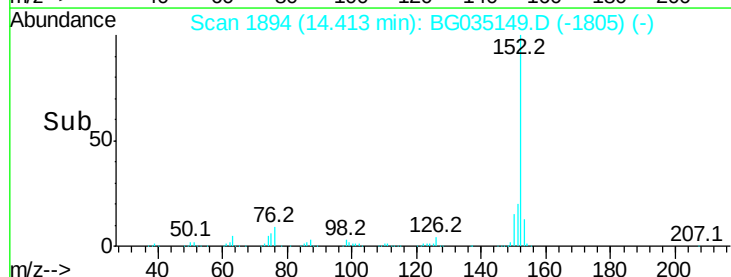
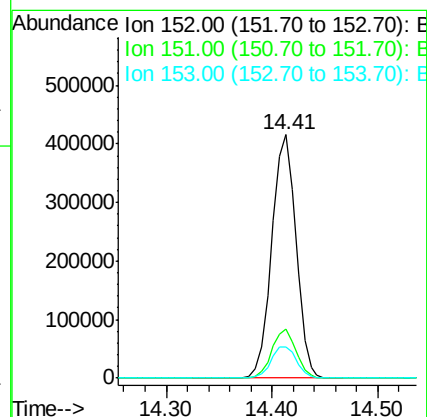
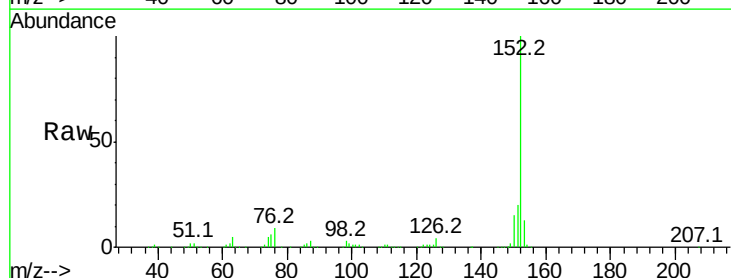
Tgt Ion: 152 Resp: 659418

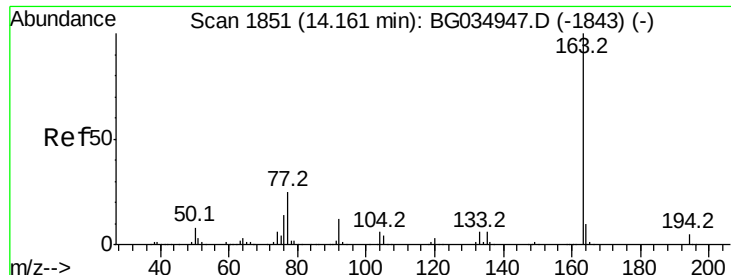
Ion Ratio Lower Upper

152 100

151 20.1 17.2 25.8

153 12.9 10.2 15.4

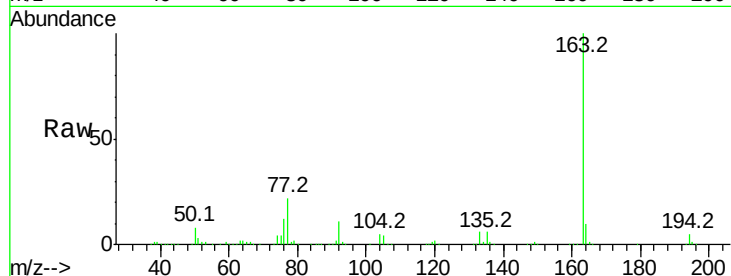




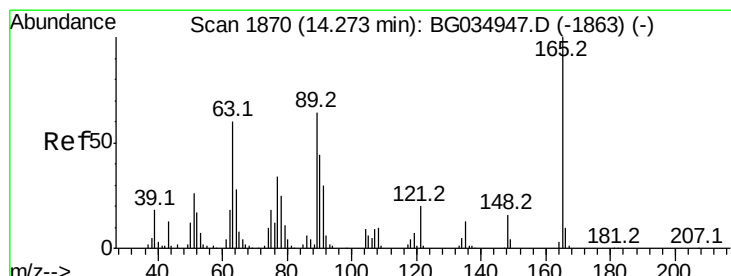
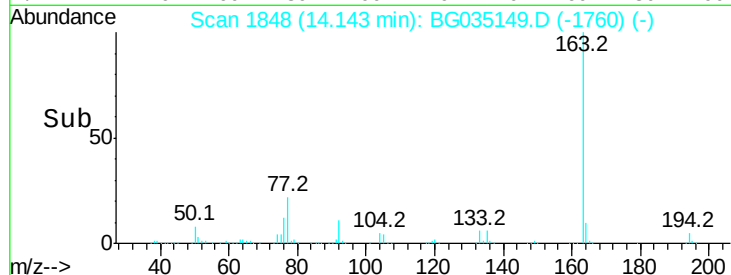
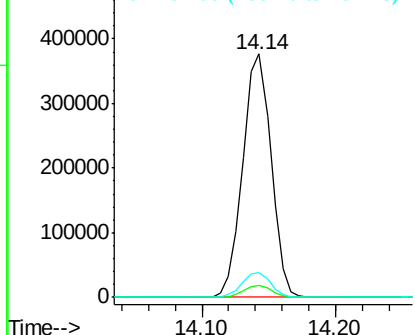
#49  
Dimethylphthalate  
Concen: 47.053 ng  
RT: 14.14 min Scan# 1848  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:163 Resp: 551268  
Ion Ratio Lower Upper  
163 100  
194 4.9 3.4 5.2  
164 10.0 8.2 12.4

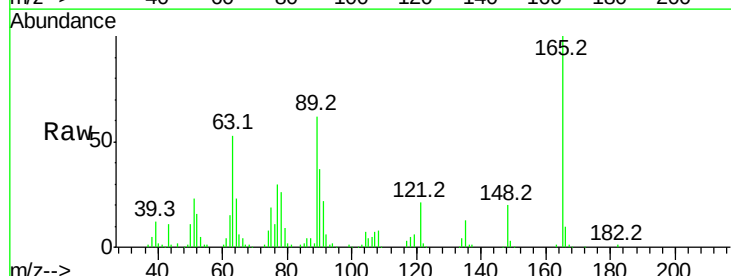


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

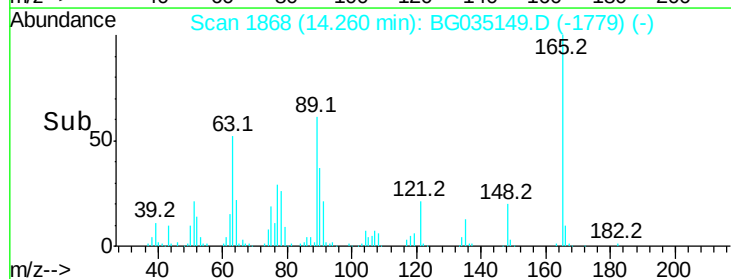
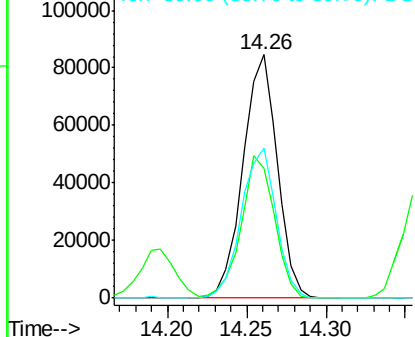


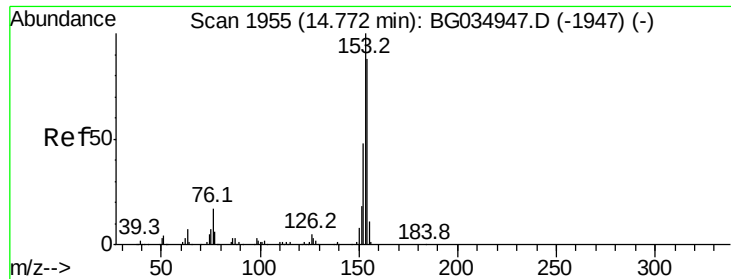
#50  
2,6-Dinitrotoluene  
Concen: 59.318 ng  
RT: 14.26 min Scan# 1868  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

Tgt Ion:165 Resp: 126784  
Ion Ratio Lower Upper  
165 100  
63 53.1 52.7 79.1  
89 61.5 49.2 73.8



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BG0  
Ion 89.00 (88.70 to 89.70): BG0





#51

Acenaphthene

Concen: 43.990 ng

RT: 14.75 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

Instrument :

BNA\_G

ClientSampleId :

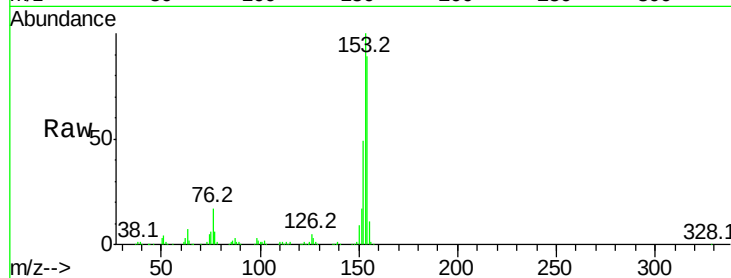
Tot Ion:154 Resp: 393651

Ion Ratio Lower Upper

154 100

153 112.2 90.4 135.6

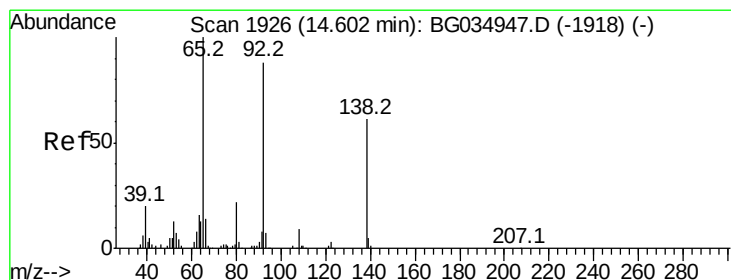
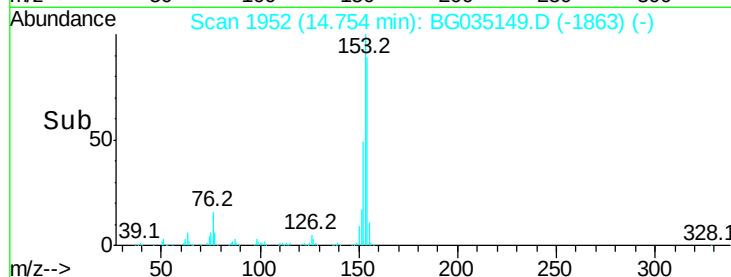
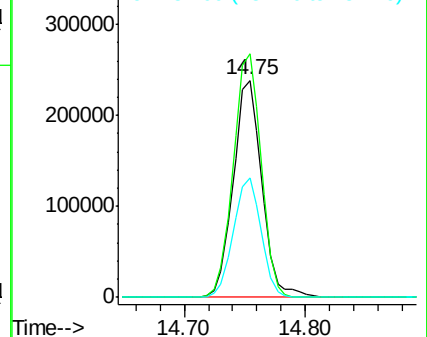
152 55.3 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 33.868 ng

RT: 14.59 min Scan# 1924

Delta R.T. -0.00 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

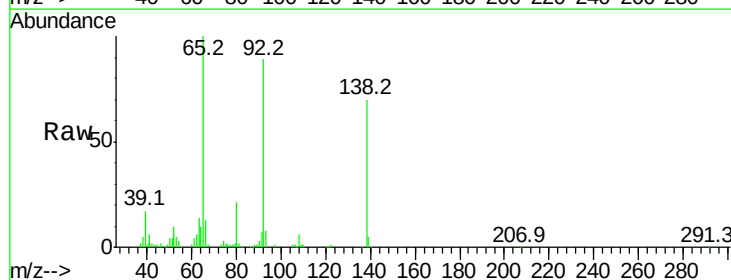
Tgt Ion:138 Resp: 71033

Ion Ratio Lower Upper

138 100

108 8.6 17.5 26.3#

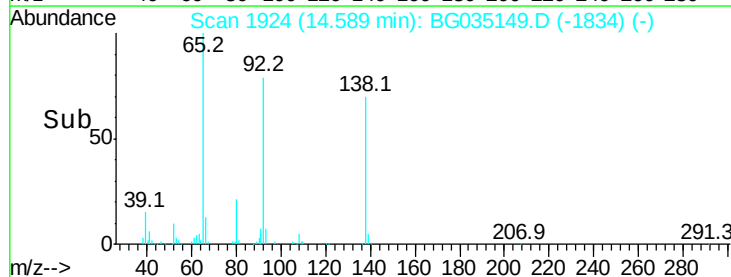
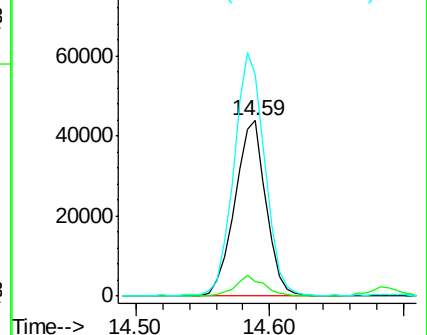
92 126.4 105.8 158.8

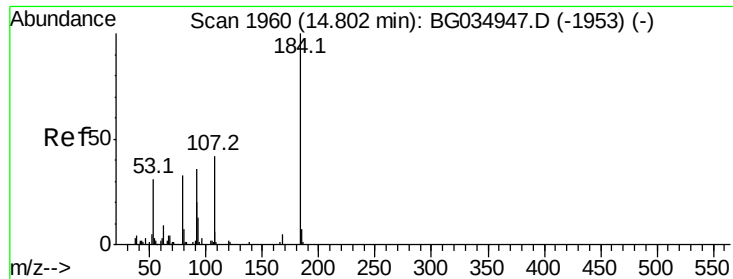


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

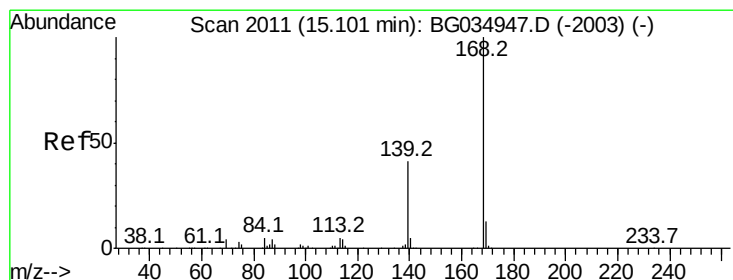
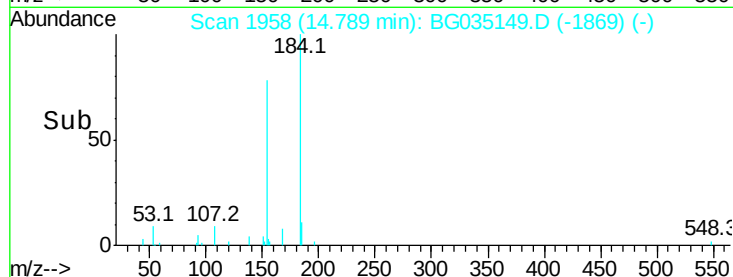
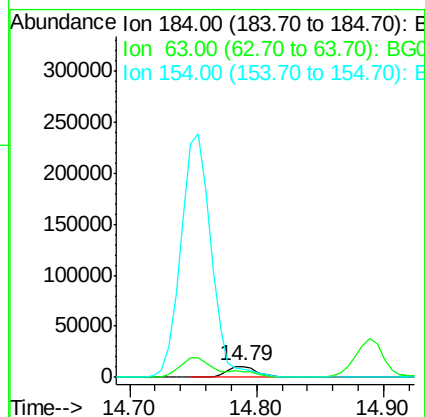
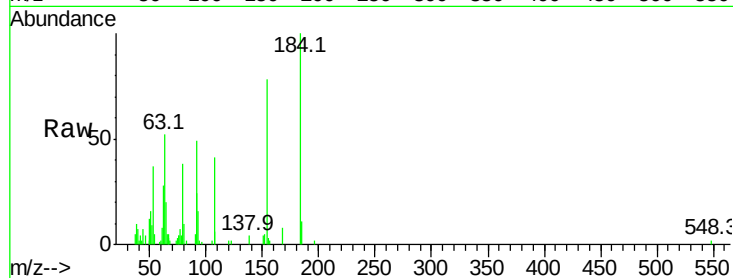




#53  
2,4-Dinitrophenol  
Concen: 21.837 ng  
RT: 14.79 min Scan# 1958  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

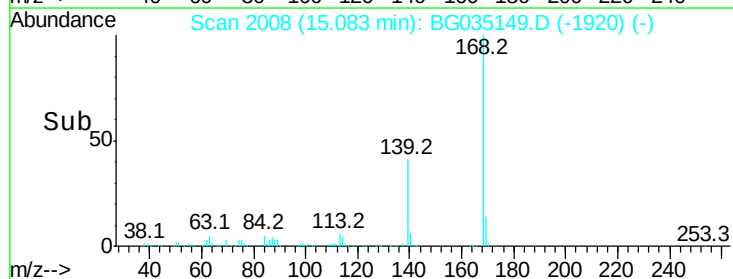
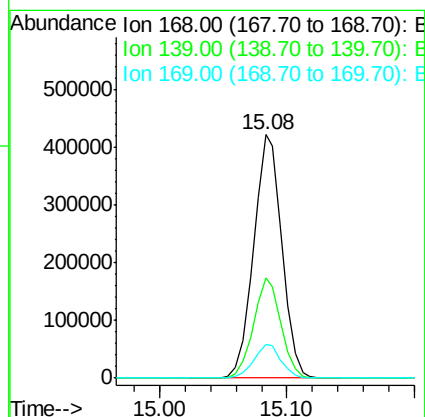
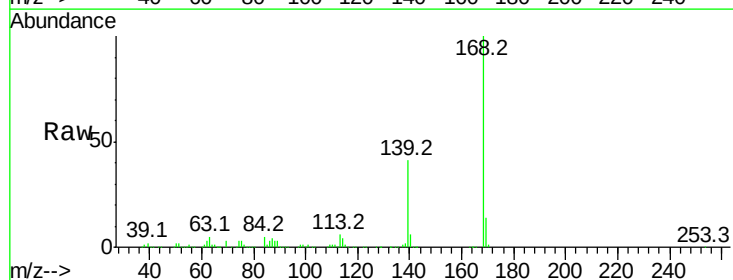
Instrument :  
BNA\_G  
ClientSampleId :

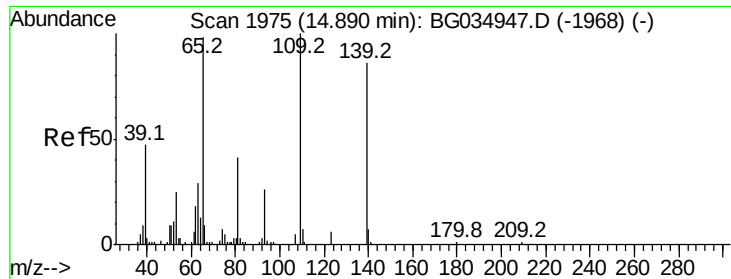
Tot Ion:184 Resp: 18889  
Ion Ratio Lower Upper  
184 100  
63 51.8 59.8 89.8#  
154 77.8 101.8 152.8#



#54  
Dibenzofuran  
Concen: 48.674 ng  
RT: 15.08 min Scan# 2008  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

Tgt Ion:168 Resp: 652339  
Ion Ratio Lower Upper  
168 100  
139 41.1 28.6 43.0  
169 13.9 11.2 16.8

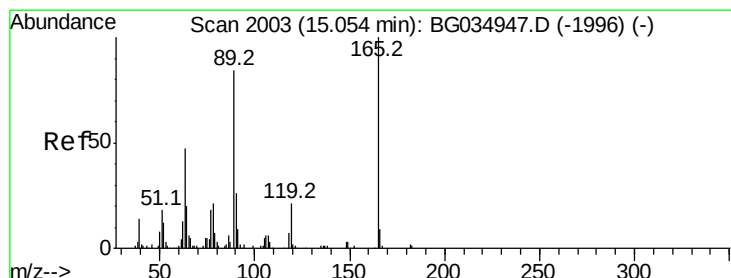
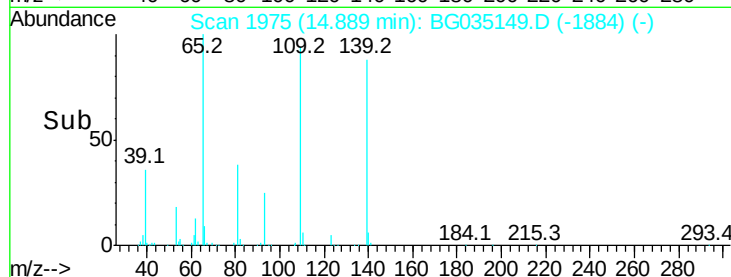
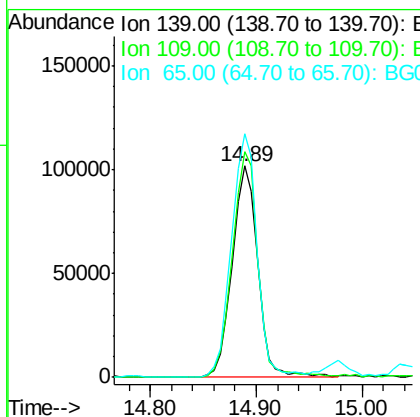
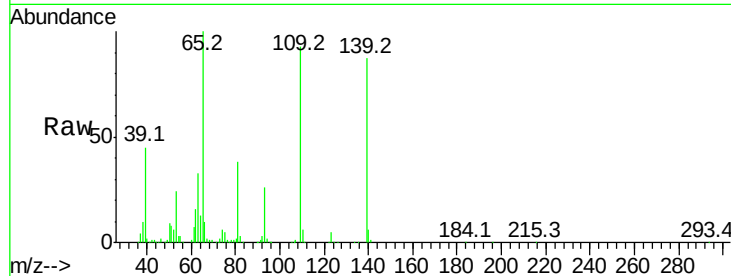




#55  
4-Nitrophenol  
Concen: 95.779 ng  
RT: 14.89 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

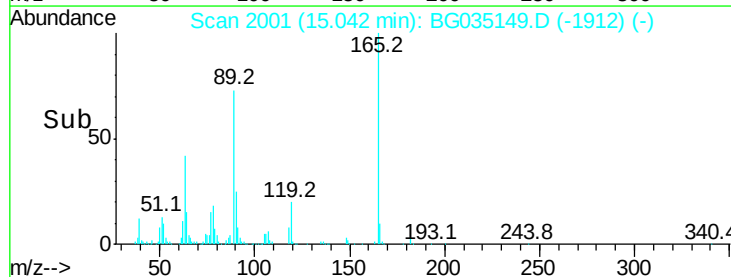
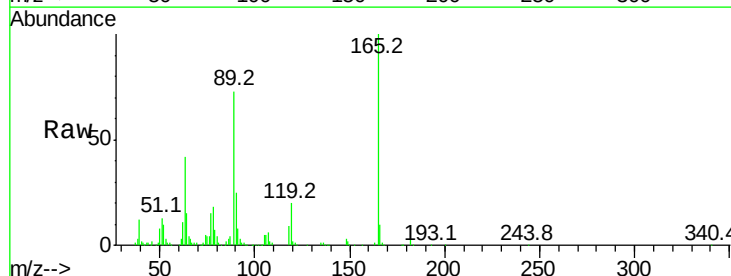
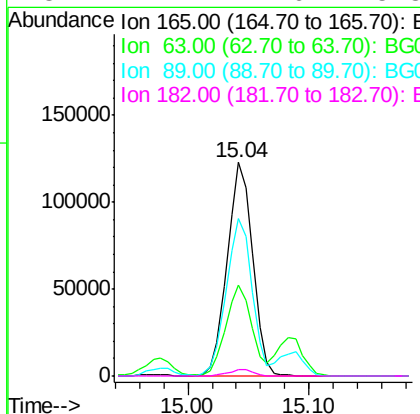
Instrument :  
BNA\_G  
ClientSampleId :

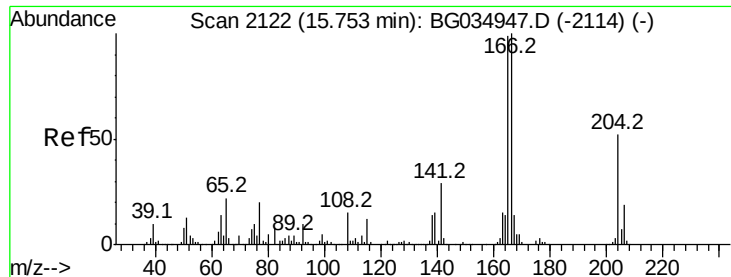
Tot Ion:139 Resp: 169535  
Ion Ratio Lower Upper  
139 100  
109 106.6 62.2 102.2#  
65 115.1 97.2 137.2



#56  
2,4-Dinitrotoluene  
Concen: 63.458 ng  
RT: 15.04 min Scan# 2001  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

Tgt Ion:165 Resp: 180175  
Ion Ratio Lower Upper  
165 100  
63 42.3 42.0 63.0  
89 73.5 66.9 100.3  
182 2.7 2.6 3.8

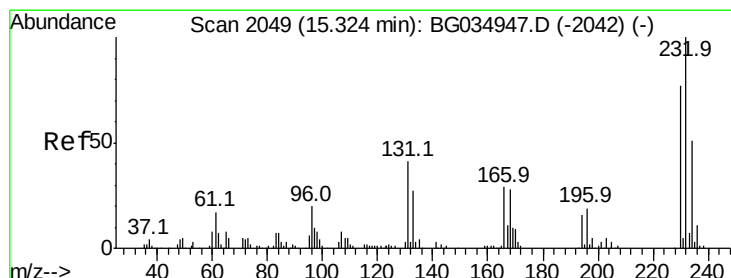
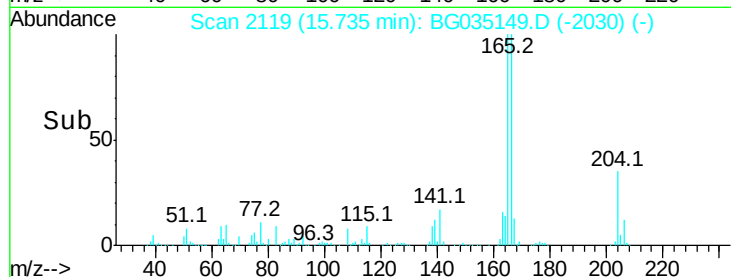
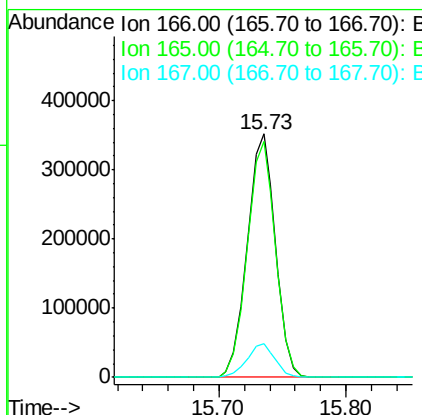
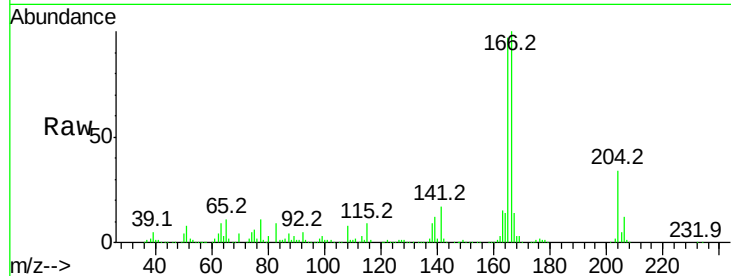




#57  
 Fluorene  
 Concen: 48.284 ng  
 RT: 15.73 min Scan# 2119  
 Delta R.T. -0.01 min  
 Lab File: BG035149.D  
 Acq: 14 Jun 2018 22:25

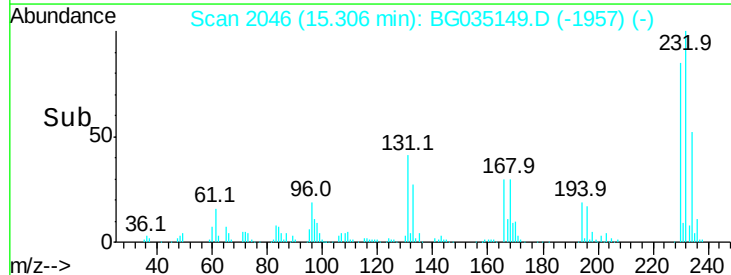
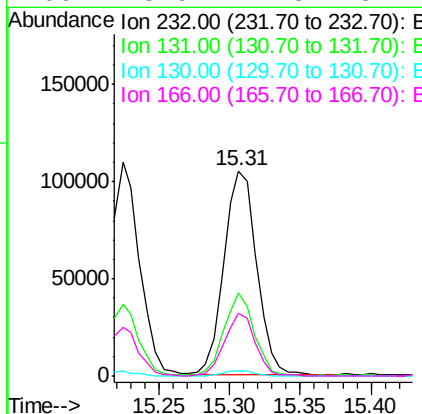
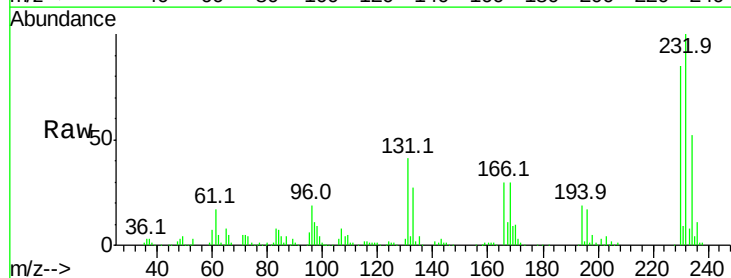
Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 96.9  | 80.6  | 121.0 |
| 167     | 13.7  | 10.4  | 15.6  |

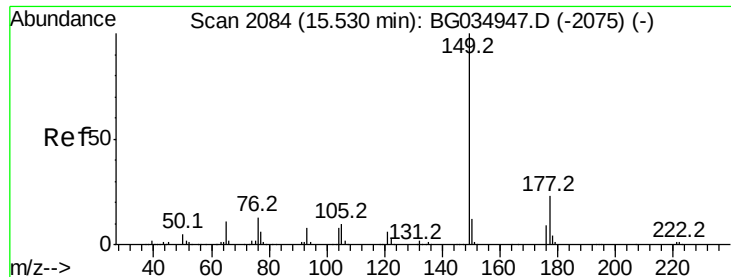


#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 52.959 ng  
 RT: 15.31 min Scan# 2046  
 Delta R.T. -0.01 min  
 Lab File: BG035149.D  
 Acq: 14 Jun 2018 22:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 231     | 37.1  | 33.5  | 50.3  |
| 130     | 2.5   | 2.2   | 3.2   |
| 166     | 28.9  | 24.8  | 37.2  |







#59

Diethylphthalate

Concen: 46.763 ng

RT: 15.50 min Scan# 2079

Delta R.T. -0.02 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

Instrument :

BNA\_G

ClientSampleId :

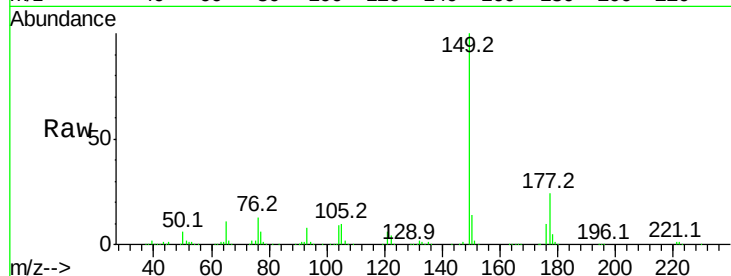
Tot Ion:149 Resp: 558972

Ion Ratio Lower Upper

149 100

177 23.6 18.5 27.7

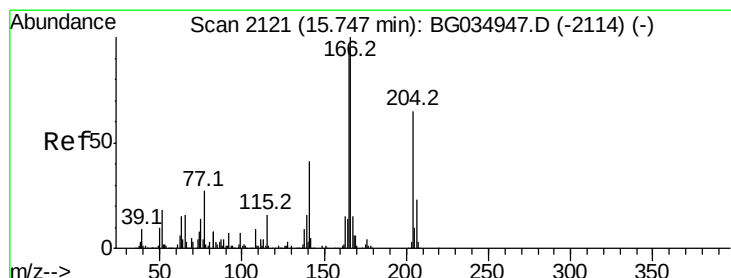
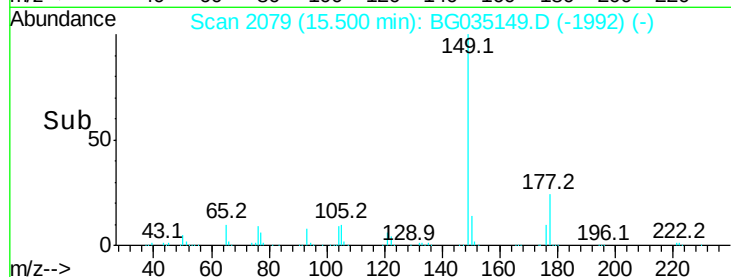
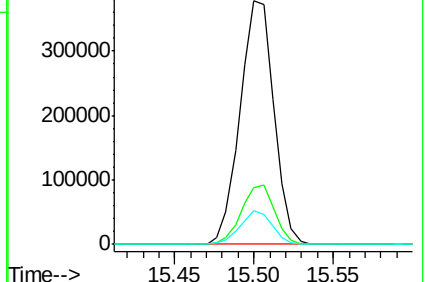
150 13.7 10.2 15.2



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



#60

4-Chlorophenyl-phenylether

Concen: 49.115 ng

RT: 15.72 min Scan# 2117

Delta R.T. -0.02 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

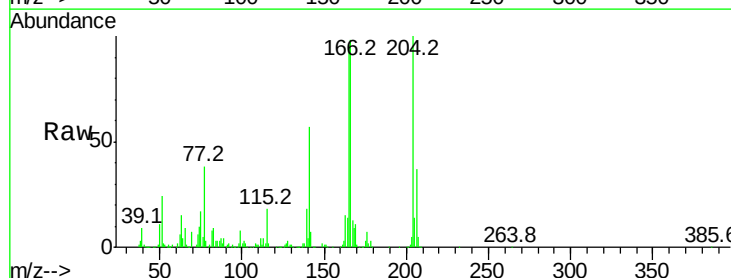
Tgt Ion:204 Resp: 313690

Ion Ratio Lower Upper

204 100

206 36.7 26.2 39.2

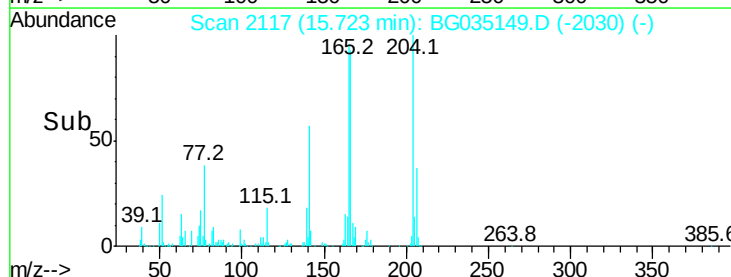
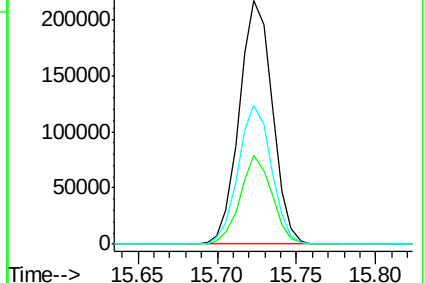
141 57.0 45.8 68.6

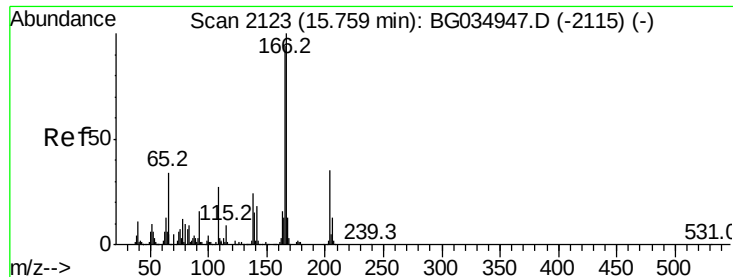


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

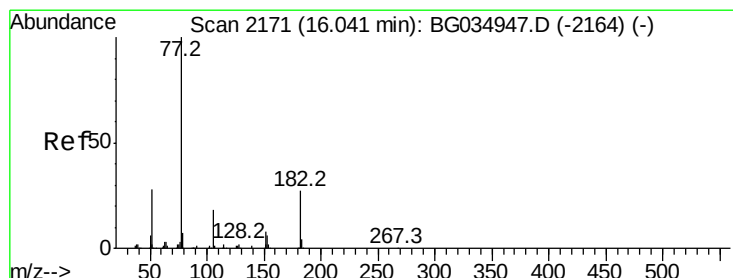
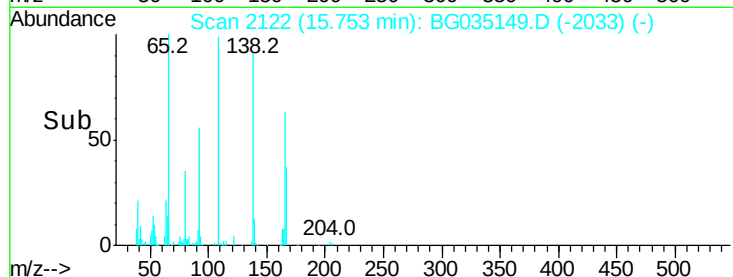
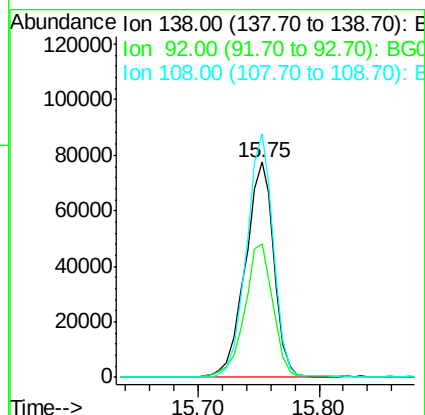
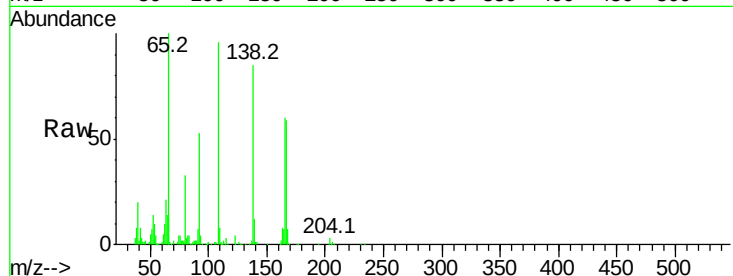




#61  
4-Nitroaniline  
Concen: 56.841 ng  
RT: 15.75 min Scan# 2122  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

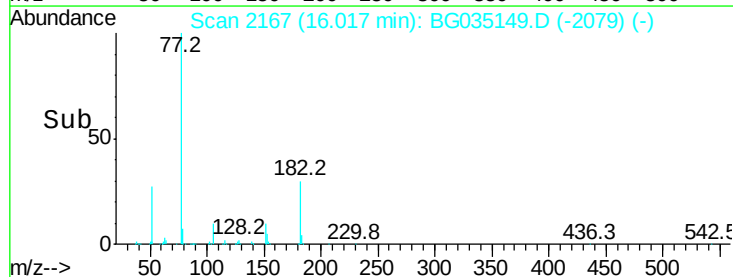
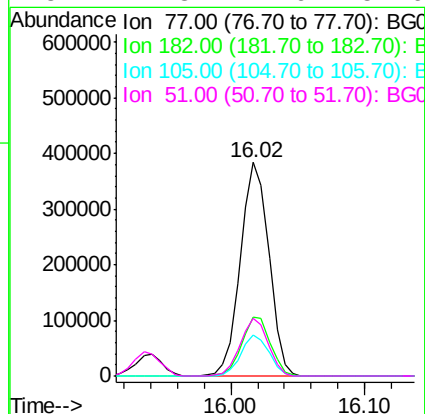
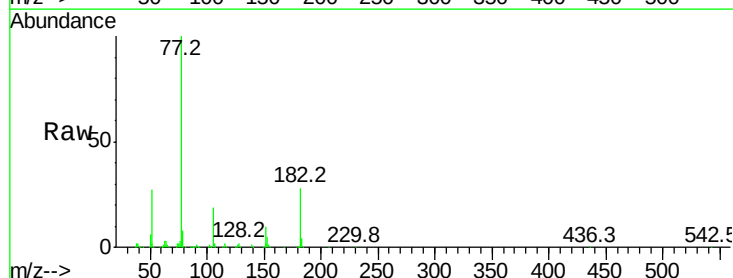
Instrument :  
BNA\_G  
ClientSampled :

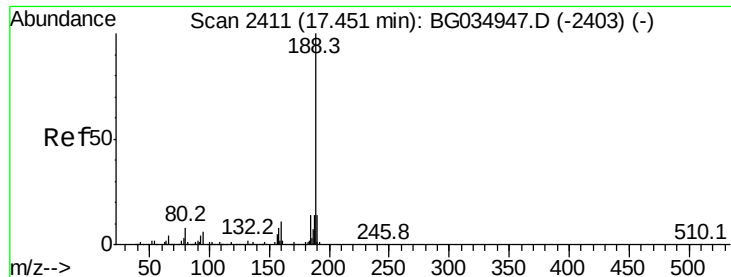
Tot Ion:138 Resp: 127849  
Ion Ratio Lower Upper  
138 100  
92 62.2 40.1 80.1  
108 113.3 65.4 105.4#



#62  
Azobenzene  
Concen: 48.361 ng  
RT: 16.02 min Scan# 2167  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

Tgt Ion: 77 Resp: 566475  
Ion Ratio Lower Upper  
77 100  
182 27.9 7.4 47.4  
105 19.2 0.3 40.3  
51 27.3 11.6 51.6

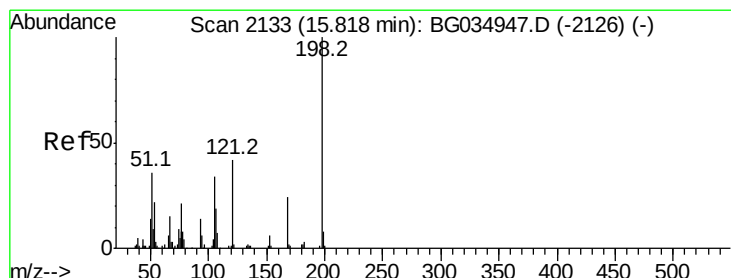
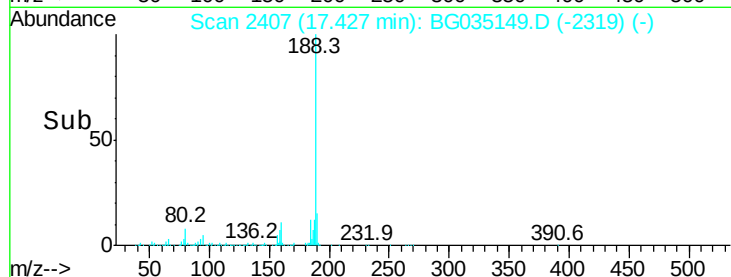
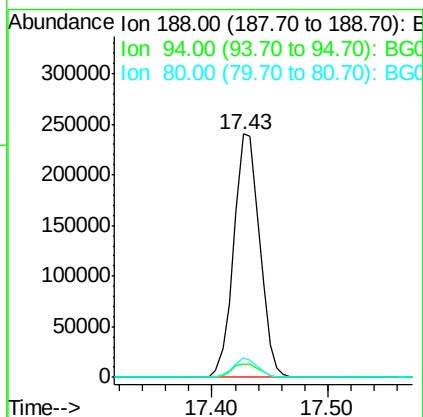
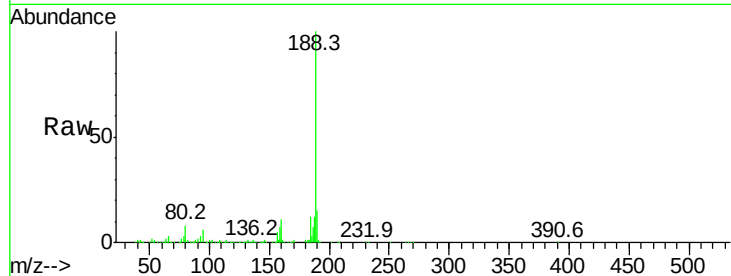




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.43 min Scan# 2407  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

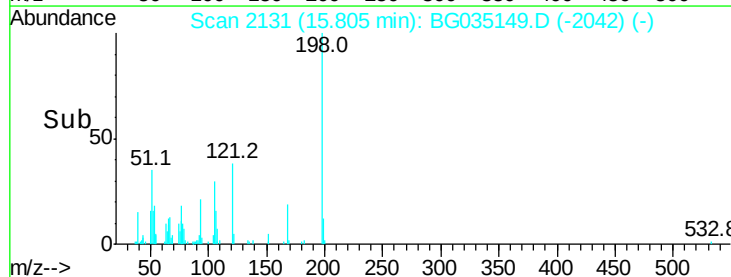
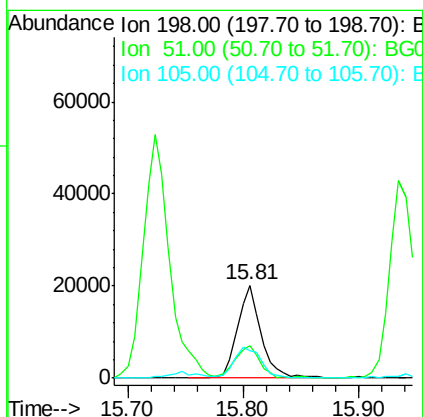
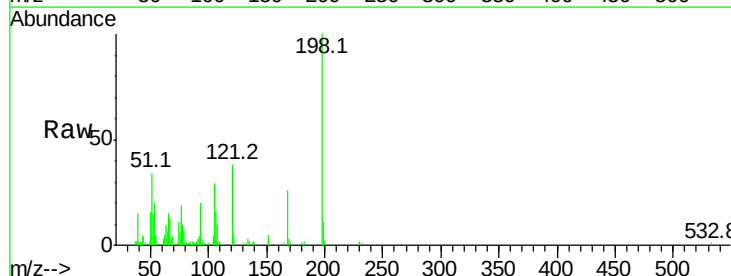
Instrument :  
BNA\_G  
ClientSampleId :

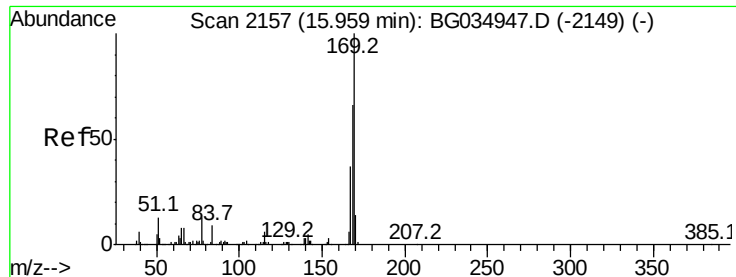
Tot Ion:188 Resp: 373277  
Ion Ratio Lower Upper  
188 100  
94 5.6 6.9 10.3#  
80 7.9 7.7 11.5



#64  
4,6-Dinitro-2-methylphenol  
Concen: 16.812 ng  
RT: 15.81 min Scan# 2131  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

Tgt Ion:198 Resp: 28653  
Ion Ratio Lower Upper  
198 100  
51 34.4 30.6 70.6  
105 29.0 23.8 63.8





#65

n-Nitrosodiphenylamine

Concen: 43.480 ng

RT: 15.94 min Scan# 2154

Delta R.T. -0.01 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

Instrument :

BNA\_G

ClientSampleId :

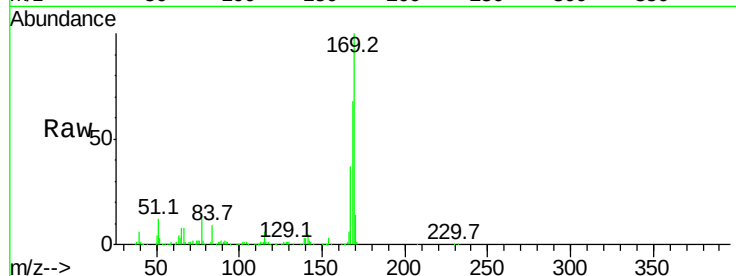
Tot Ion:169 Resp: 487402

Ion Ratio Lower Upper

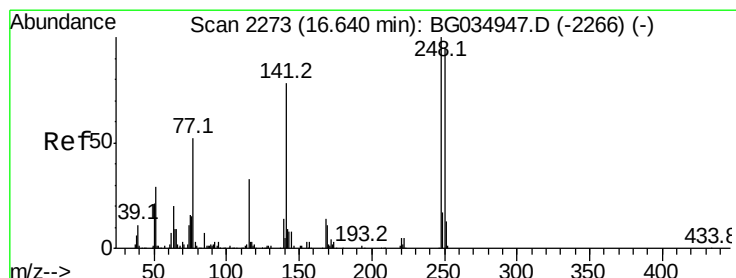
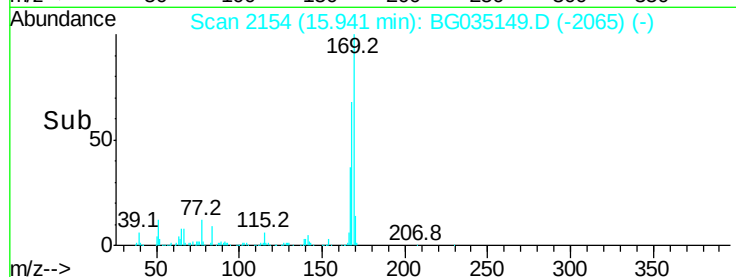
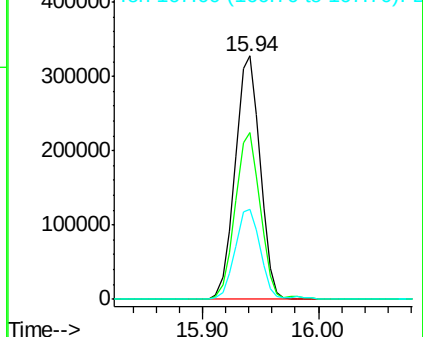
169 100

168 68.4 55.7 83.5

167 37.0 30.1 45.1



Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 47.729 ng

RT: 16.62 min Scan# 2269

Delta R.T. -0.02 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

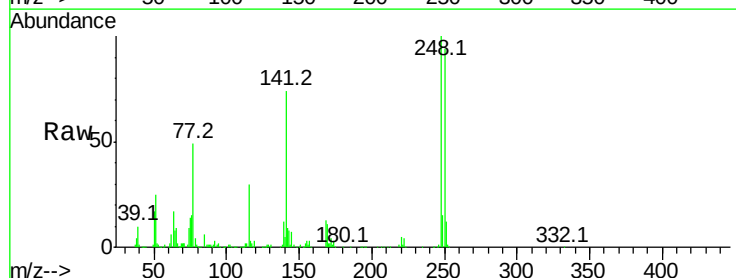
Tgt Ion:248 Resp: 214550

Ion Ratio Lower Upper

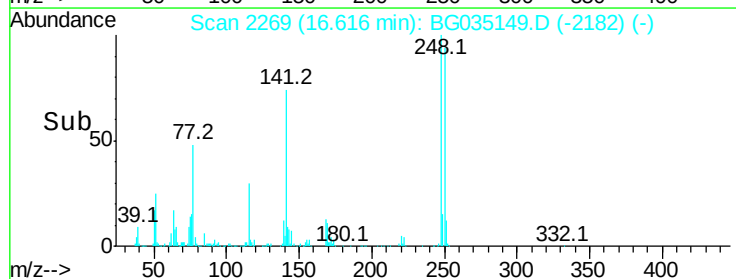
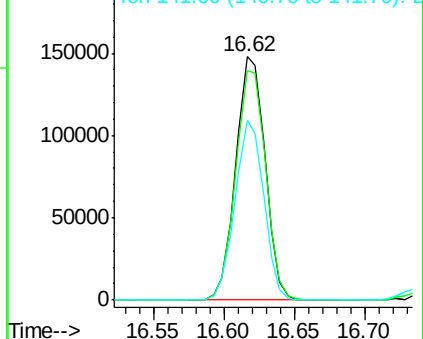
248 100

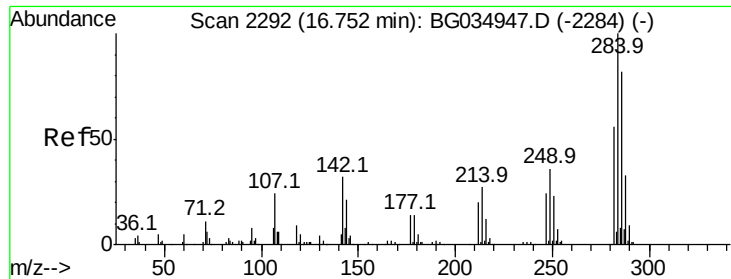
250 94.2 77.1 115.7

141 73.5 50.8 76.2



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

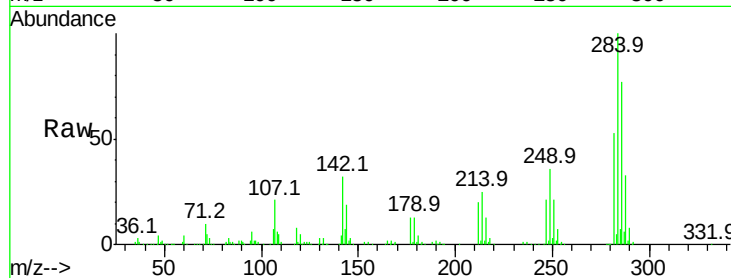




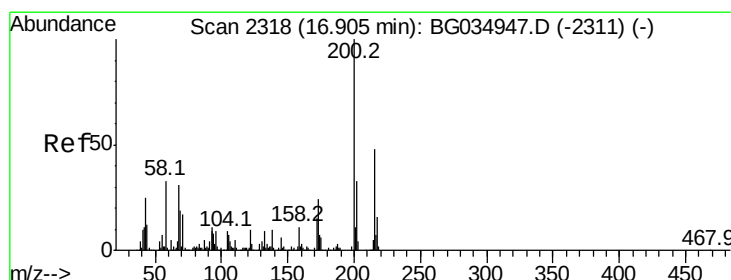
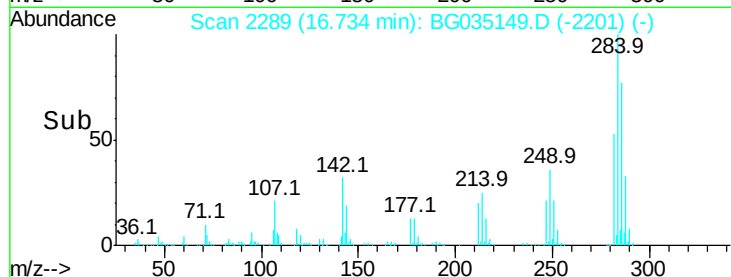
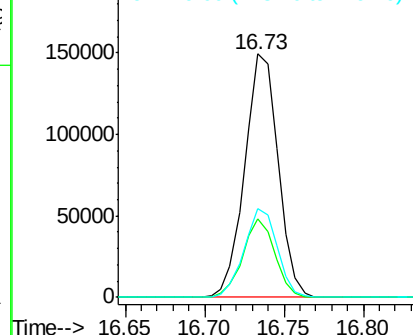
#67  
Hexachlorobenzene  
Concen: 47.765 ng  
RT: 16.73 min Scan# 2289  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 32.4  | 26.8  | 40.2  |
| 249     | 36.4  | 26.3  | 39.5  |

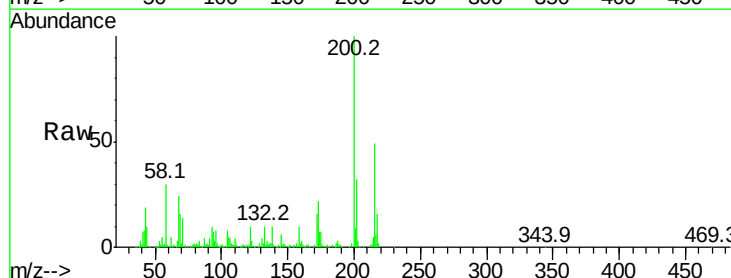


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

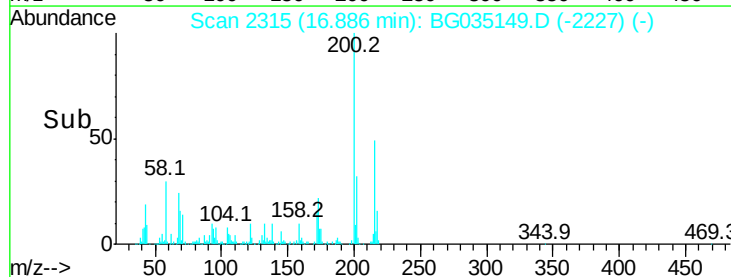
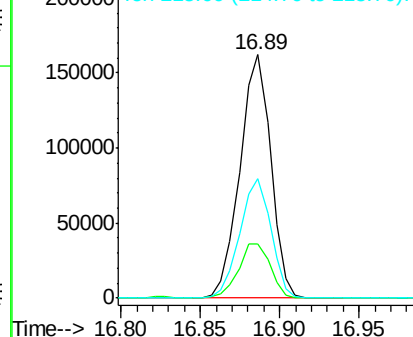


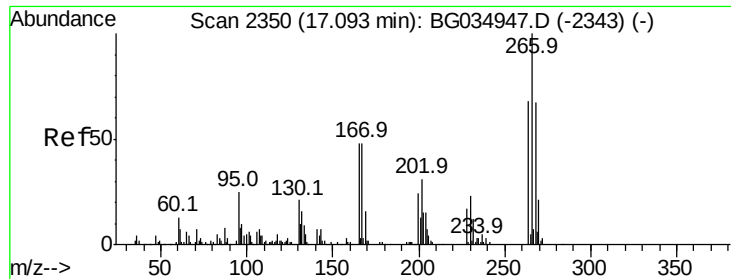
#68  
Atrazine  
Concen: 45.781 ng  
RT: 16.89 min Scan# 2315  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 22.4  | 5.2   | 45.2  |
| 215     | 48.9  | 30.4  | 70.4  |



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

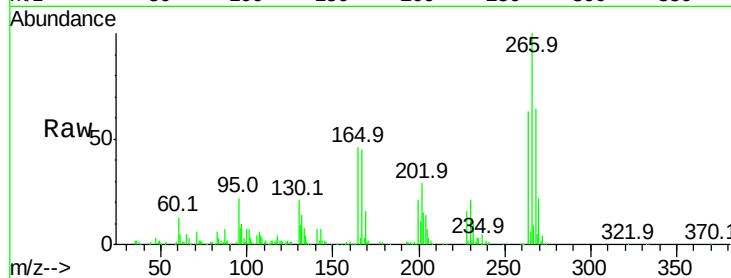




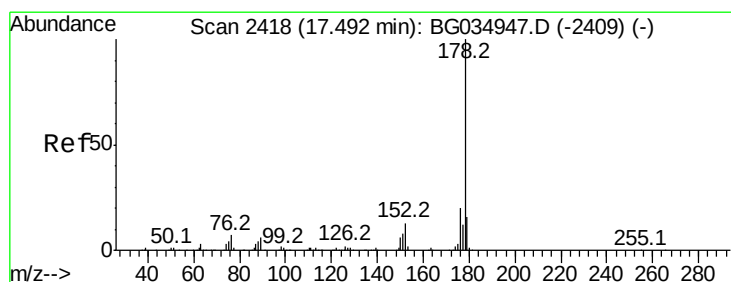
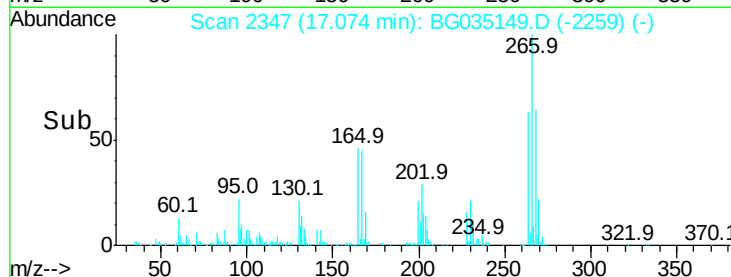
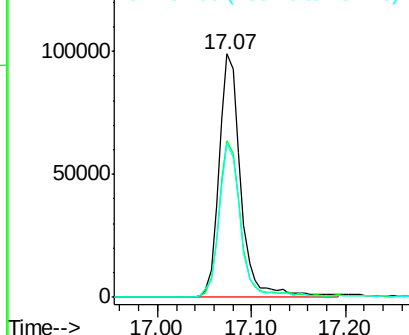
#69  
 Pentachlorophenol  
 Concen: 52.289 ng  
 RT: 17.07 min Scan# 2347  
 Delta R.T. -0.01 min  
 Lab File: BG035149.D  
 Acq: 14 Jun 2018 22:25

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:266 Resp: 160872  
 Ion Ratio Lower Upper  
 266 100  
 268 64.1 51.1 76.7  
 264 63.4 49.6 74.4

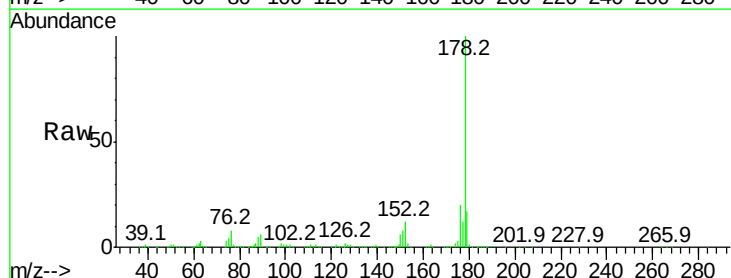


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

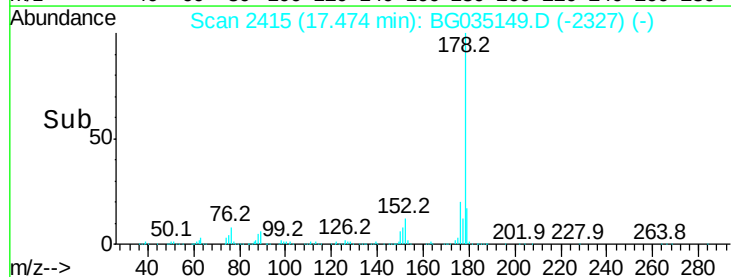
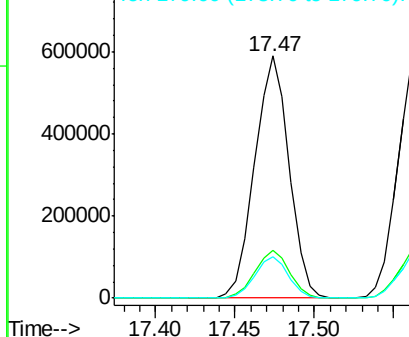


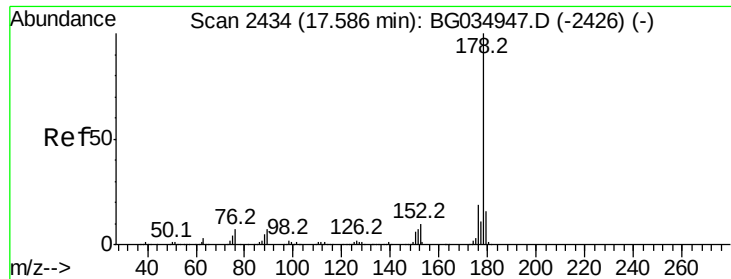
#70  
 Phenanthrene  
 Concen: 46.888 ng  
 RT: 17.47 min Scan# 2415  
 Delta R.T. -0.01 min  
 Lab File: BG035149.D  
 Acq: 14 Jun 2018 22:25

Tgt Ion:178 Resp: 889081  
 Ion Ratio Lower Upper  
 178 100  
 176 19.9 15.7 23.5  
 179 16.8 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

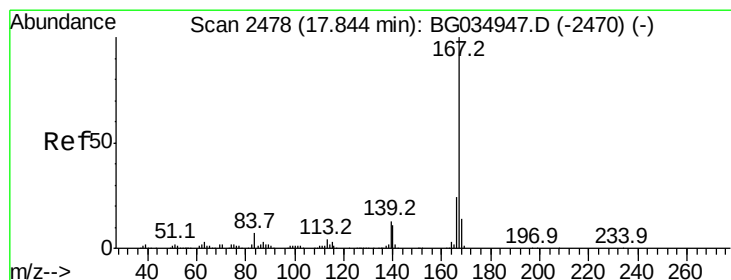
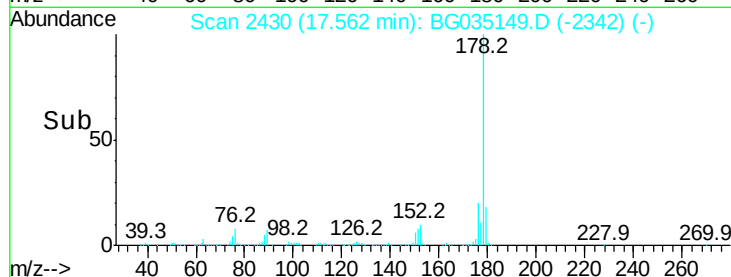
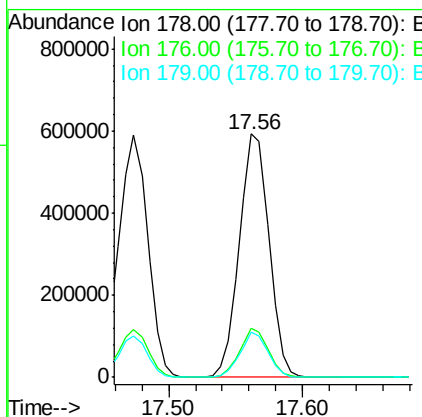
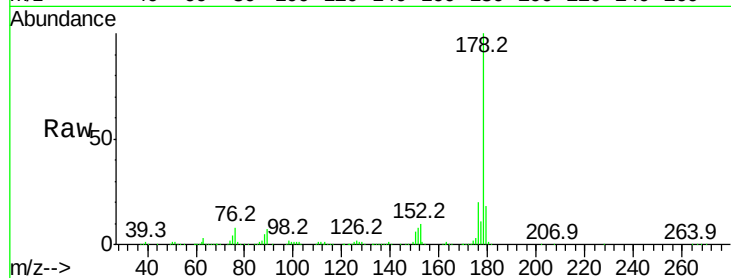




#71  
 Anthracene  
 Concen: 47.935 ng  
 RT: 17.56 min Scan# 2430  
 Delta R.T. -0.01 min  
 Lab File: BG035149.D  
 Acq: 14 Jun 2018 22:25

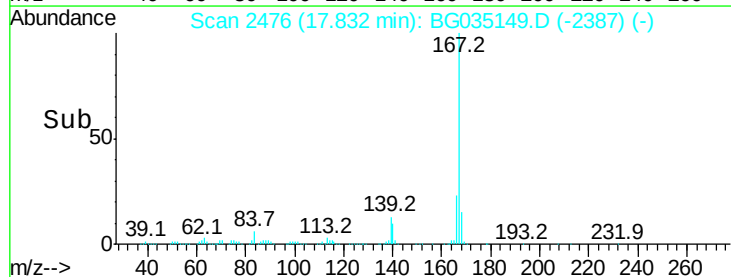
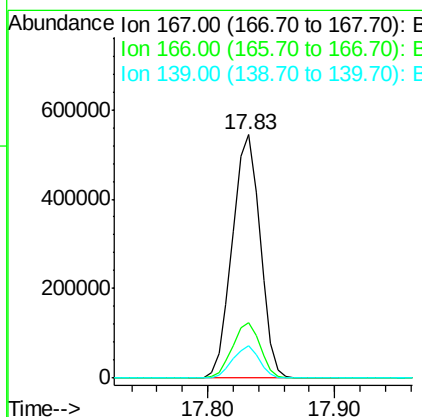
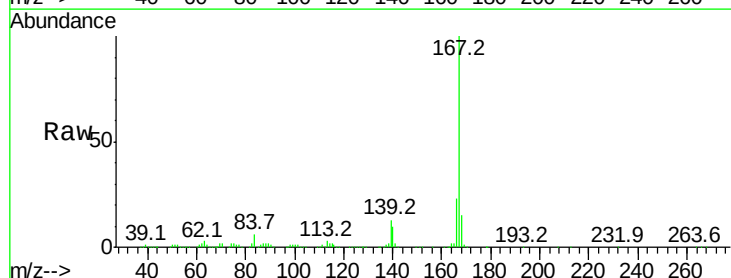
Instrument :  
 BNA\_G  
 ClientSampleId :

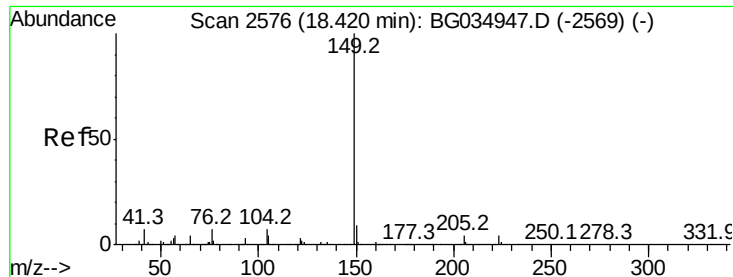
Tot Ion:178 Resp: 910454  
 Ion Ratio Lower Upper  
 178 100  
 176 20.2 16.0 24.0  
 179 18.4 12.5 18.7



#72  
 Carbazole  
 Concen: 46.833 ng  
 RT: 17.83 min Scan# 2476  
 Delta R.T. -0.01 min  
 Lab File: BG035149.D  
 Acq: 14 Jun 2018 22:25

Tgt Ion:167 Resp: 825341  
 Ion Ratio Lower Upper  
 167 100  
 166 23.0 18.2 27.4  
 139 13.2 9.4 14.2





#73

Di-n-butylphthalate

Concen: 44.646 ng

RT: 18.39 min Scan# 2571

Delta R.T. -0.02 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

Instrument :

BNA\_G

ClientSampleId :

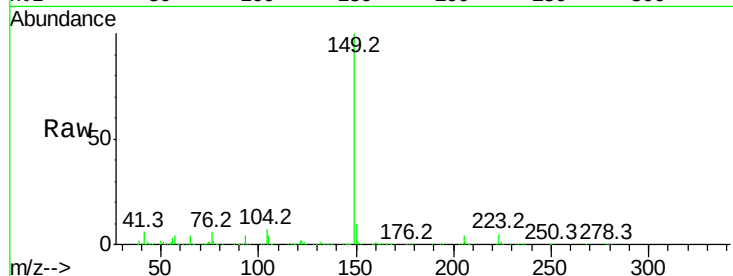
Tot Ion:149 Resp: 937784

Ion Ratio Lower Upper

149 100

150 9.6 7.8 11.6

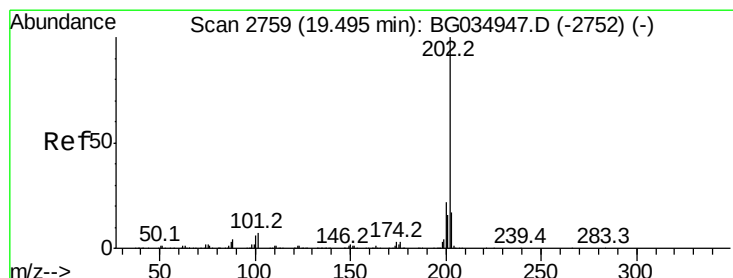
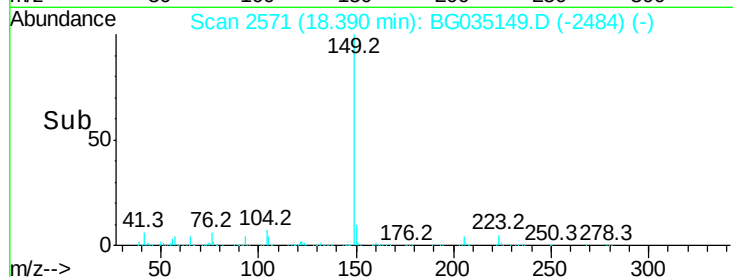
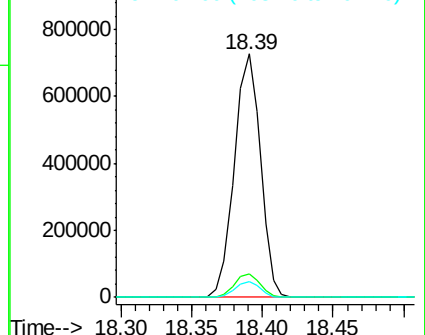
104 6.5 3.9 5.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 46.671 ng

RT: 19.48 min Scan# 2756

Delta R.T. -0.01 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

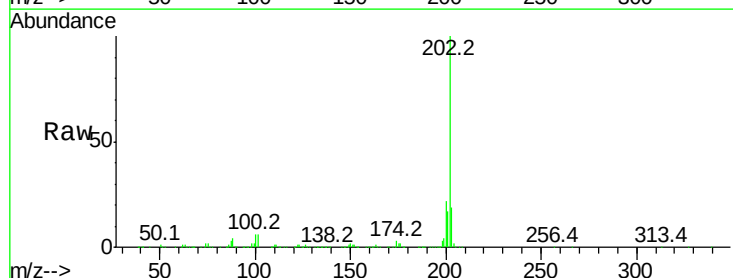
Tgt Ion:202 Resp: 1151561

Ion Ratio Lower Upper

202 100

101 6.5 0.0 28.9

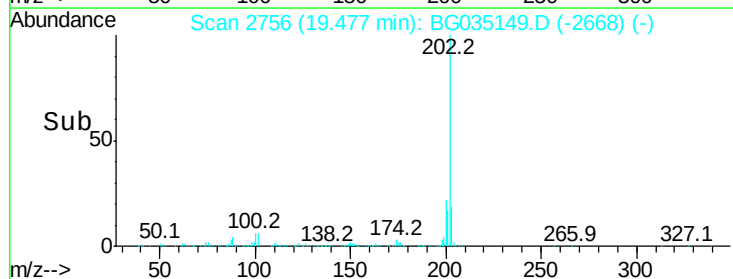
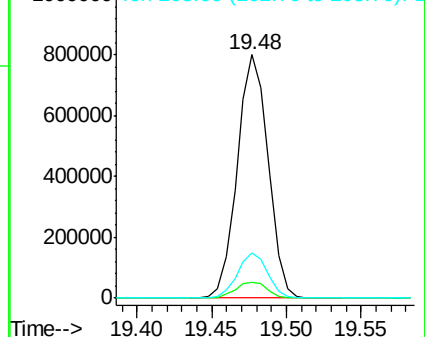
203 18.7 0.0 37.5



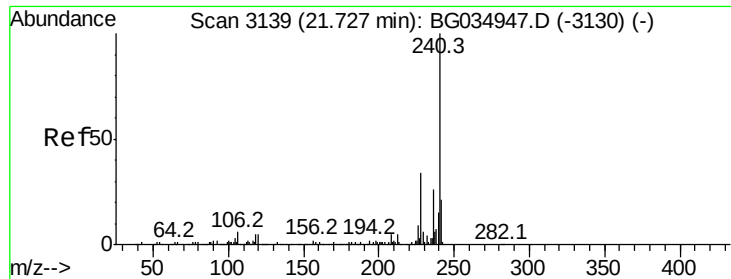
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E







#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3135

Delta R.T. -0.01 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

Instrument :

BNA\_G

ClientSampleId :

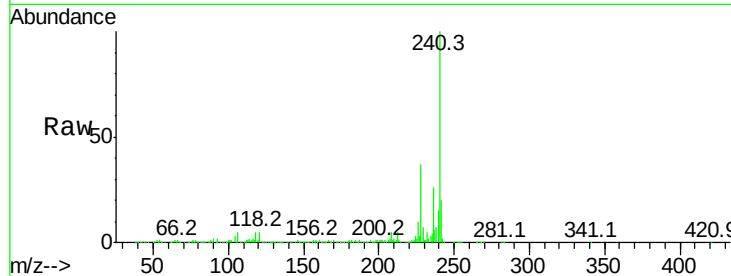
Tot Ion:240 Resp: 385916

Ion Ratio Lower Upper

240 100

120 4.6 6.8 10.2#

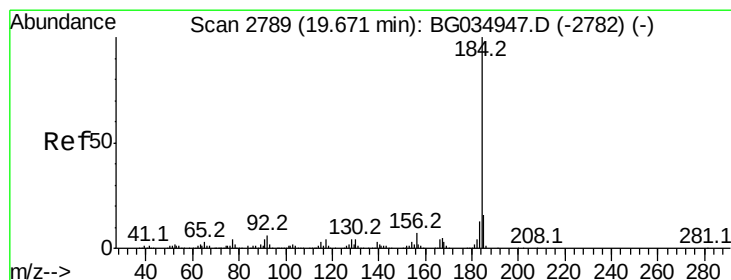
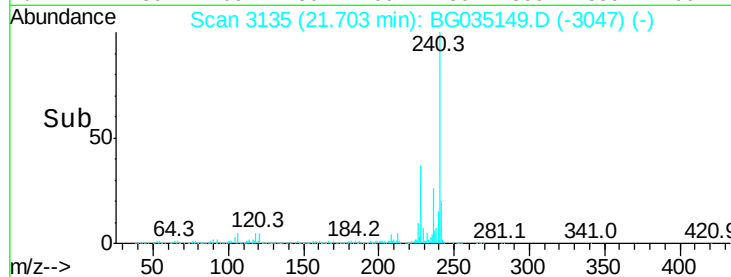
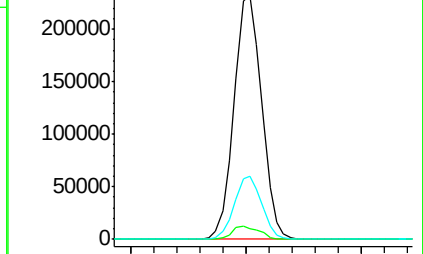
236 25.7 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 28.823 ng

RT: 19.65 min Scan# 2786

Delta R.T. -0.01 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

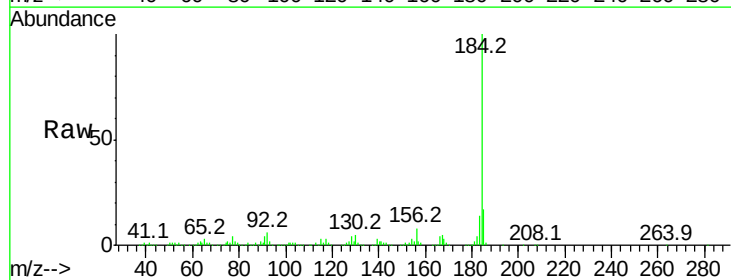
Tgt Ion:184 Resp: 413832

Ion Ratio Lower Upper

184 100

185 16.8 11.1 16.7#

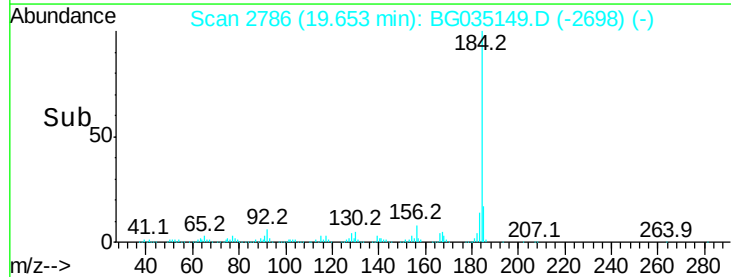
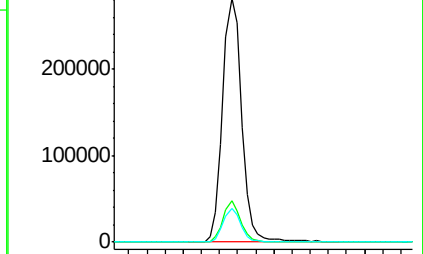
183 13.6 10.6 16.0

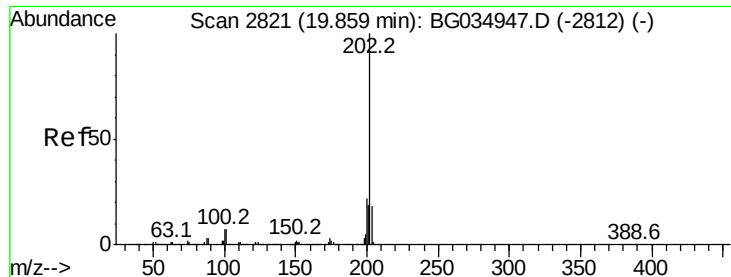


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

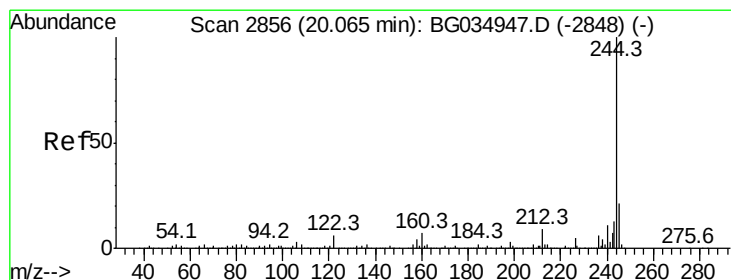
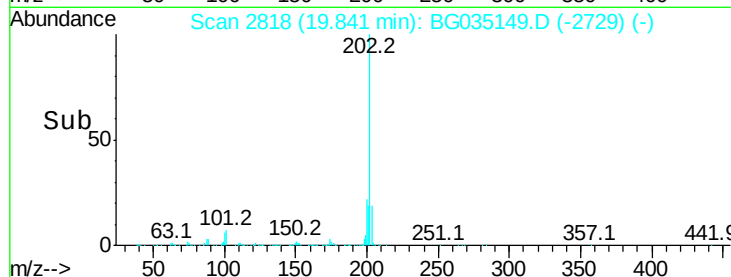
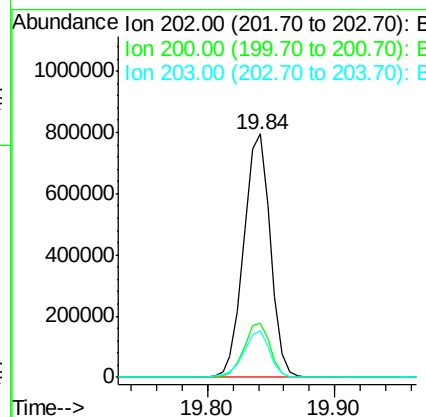
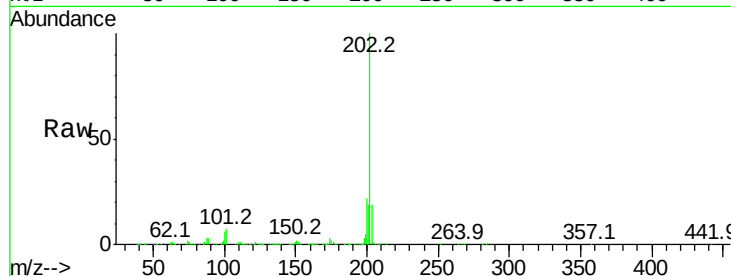




#77  
Pvrene  
Concen: 45.233 ng  
RT: 19.84 min Scan# 2818  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

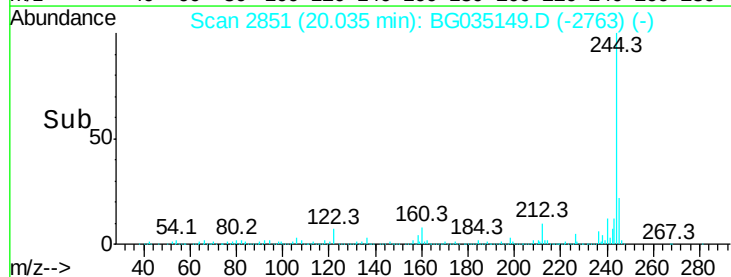
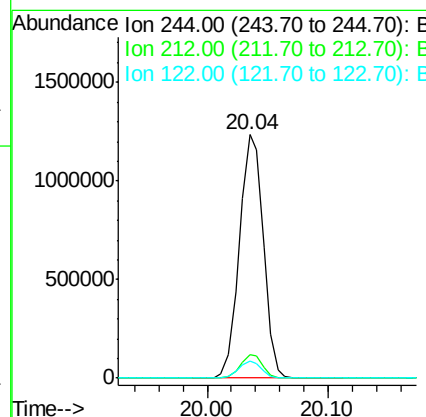
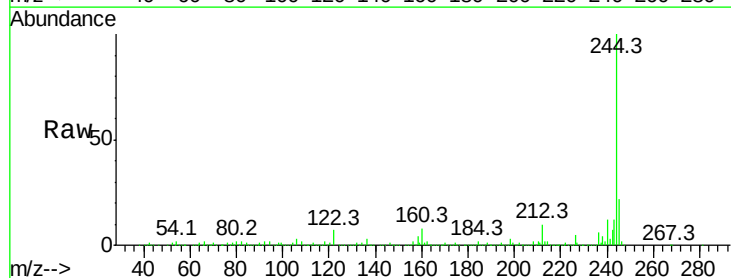
Instrument :  
BNA\_G  
ClientSampleId :

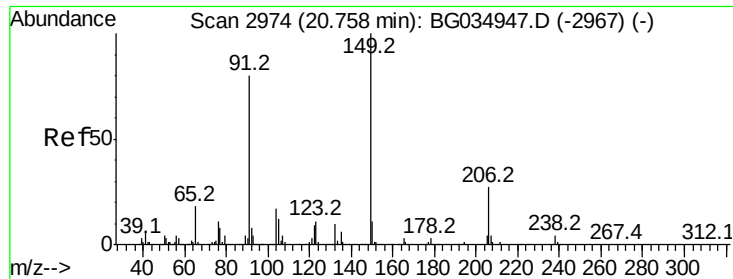
Tot Ion:202 Resp: 1150774  
Ion Ratio Lower Upper  
202 100  
200 22.0 16.9 25.3  
203 18.9 13.9 20.9



#78  
Terphenyl-d14  
Concen: 92.509 ng  
RT: 20.04 min Scan# 2851  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

Tgt Ion:244 Resp: 1704358  
Ion Ratio Lower Upper  
244 100  
212 9.5 5.8 8.8#  
122 6.8 7.0 10.4#

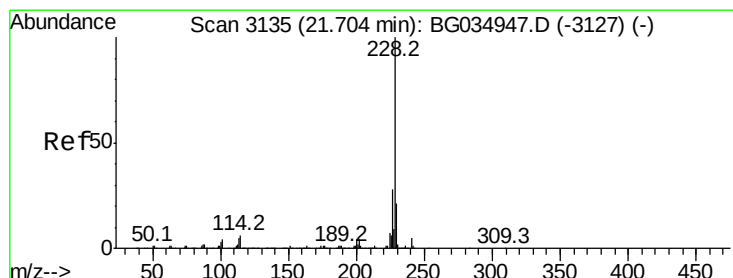
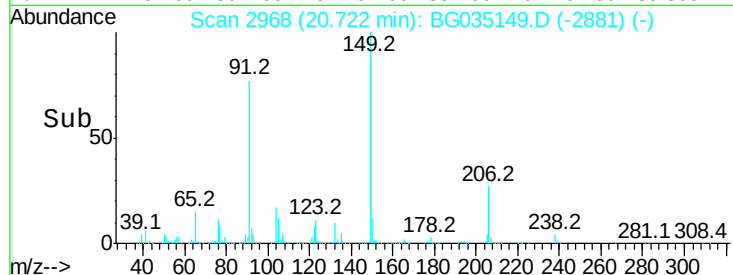
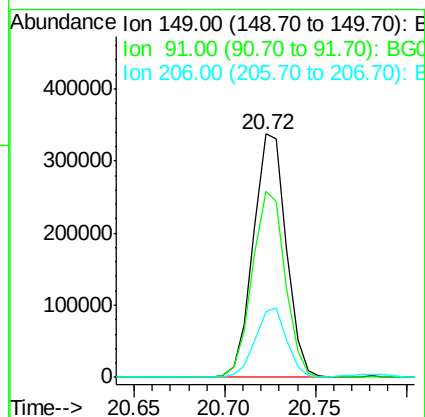
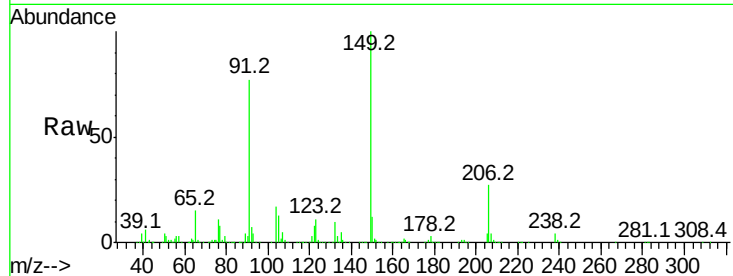




#79  
Butylbenzylphthalate  
Concen: 46.185 ng  
RT: 20.72 min Scan# 2968  
Delta R.T. -0.02 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

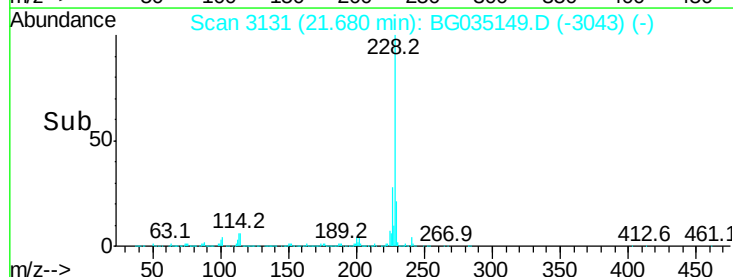
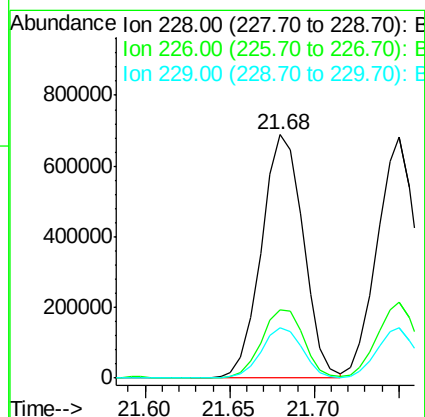
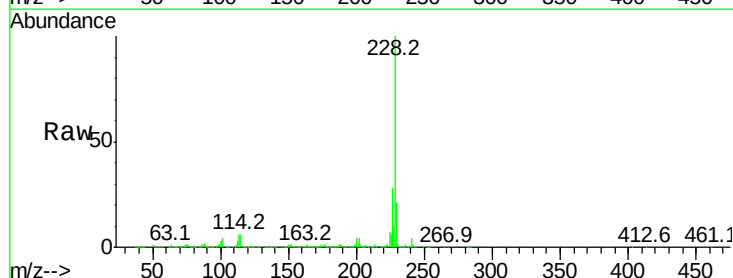
Instrument :  
BNA\_G  
ClientSampled :

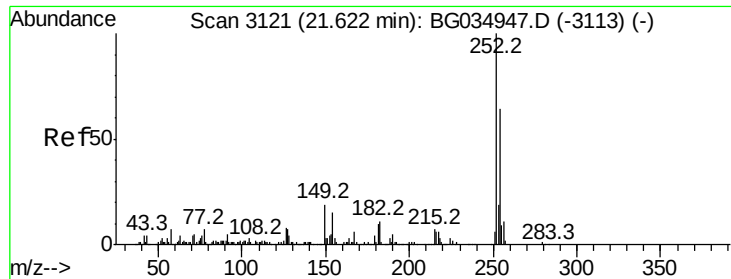
Tot Ion:149 Resp: 426666  
Ion Ratio Lower Upper  
149 100  
91 76.6 62.2 93.2  
206 27.1 18.6 27.8



#80  
Benzo(a)anthracene  
Concen: 47.778 ng  
RT: 21.68 min Scan# 3131  
Delta R.T. -0.01 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

Tgt Ion:228 Resp: 1178247  
Ion Ratio Lower Upper  
228 100  
226 28.1 22.7 34.1  
229 20.7 16.2 24.2

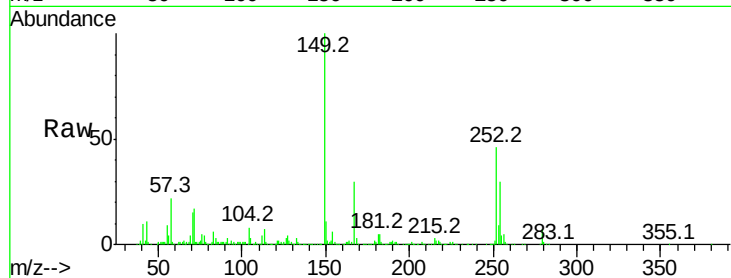




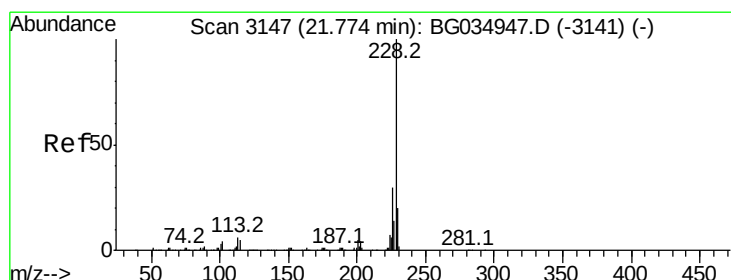
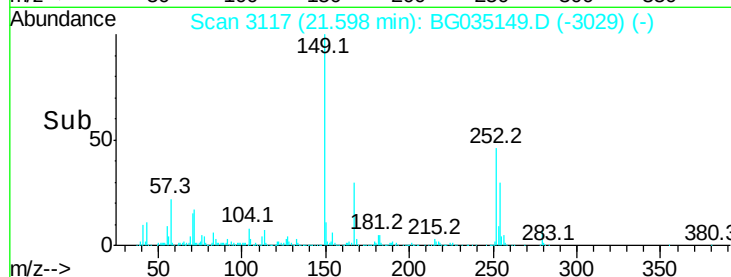
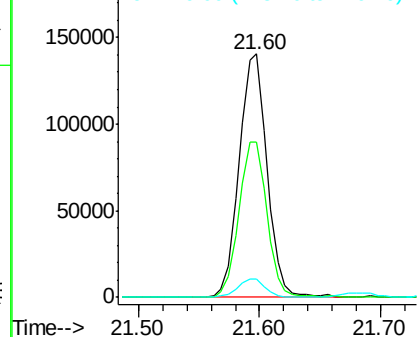
#81  
 3,3'-Dichlorobenzidine  
 Concen: 24.519 ng  
 RT: 21.60 min Scan# 3117  
 Delta R.T. -0.01 min  
 Lab File: BG035149.D  
 Acq: 14 Jun 2018 22:25

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:252 Resp: 227488  
 Ion Ratio Lower Upper  
 252 100  
 254 64.0 50.8 76.2  
 126 7.3 7.4 11.2#

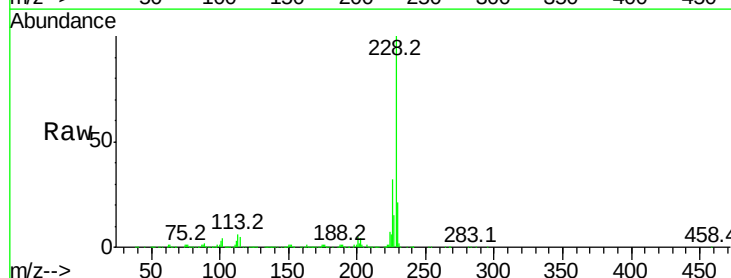


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

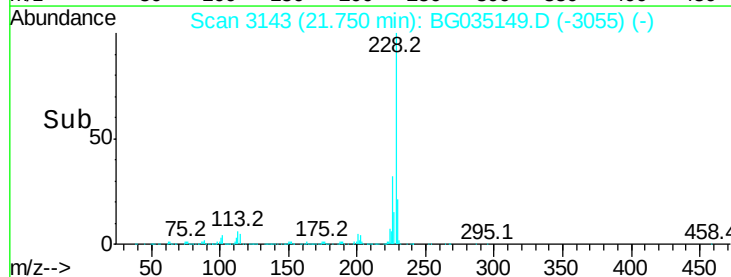
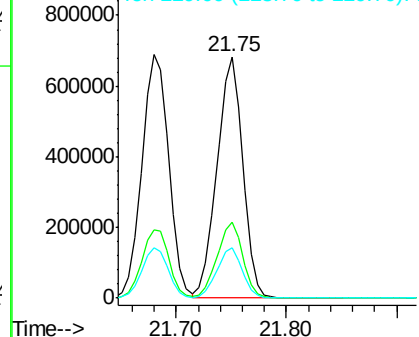


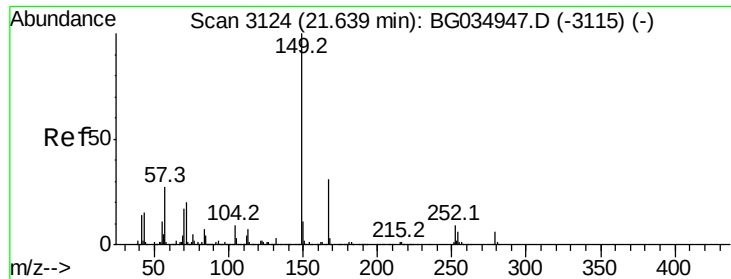
#82  
 Chrysene  
 Concen: 48.685 ng  
 RT: 21.75 min Scan# 3143  
 Delta R.T. -0.01 min  
 Lab File: BG035149.D  
 Acq: 14 Jun 2018 22:25

Tgt Ion:228 Resp: 1099272  
 Ion Ratio Lower Upper  
 228 100  
 226 31.6 24.9 37.3  
 229 20.7 15.0 22.4



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 44.950 ng

RT: 21.59 min Scan# 3116

Delta R.T. -0.02 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

Instrument :

BNA\_G

ClientSampleId :

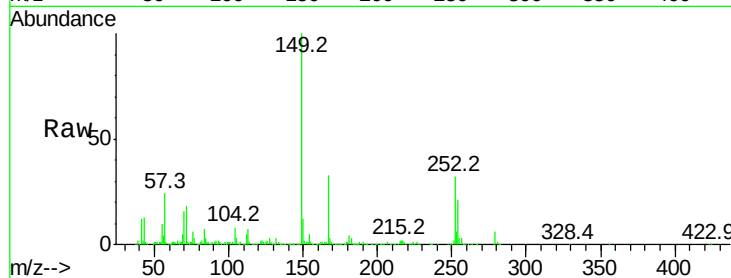
Tot Ion:149 Resp: 586761

Ion Ratio Lower Upper

149 100

167 32.6 24.3 36.5

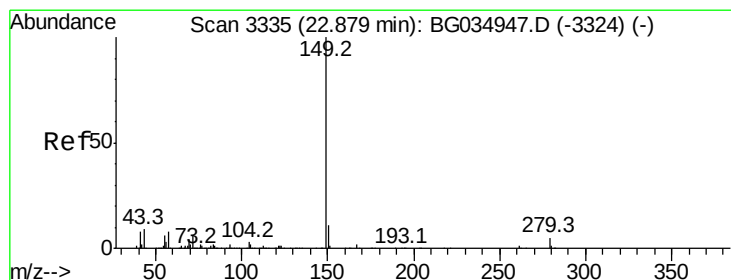
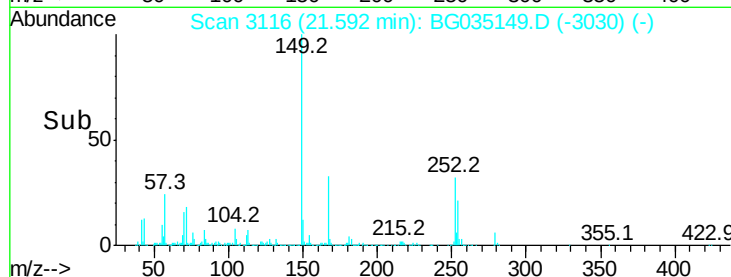
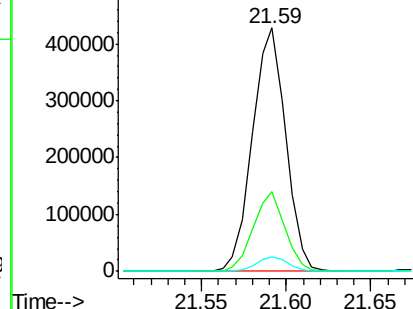
279 6.1 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 45.469 ng

RT: 22.81 min Scan# 3323

Delta R.T. -0.04 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

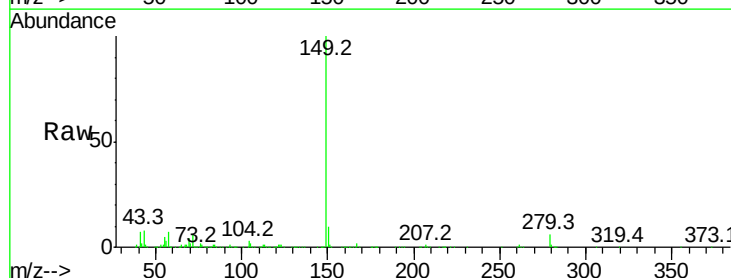
Tgt Ion:149 Resp: 1018262

Ion Ratio Lower Upper

149 100

167 1.9 1.4 2.0

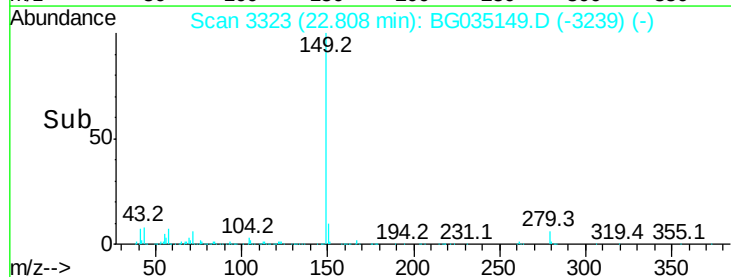
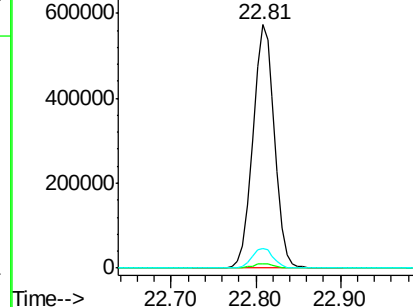
43 8.1 8.9 13.3#

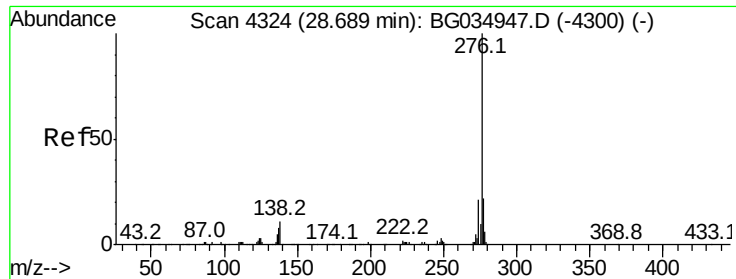


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BG

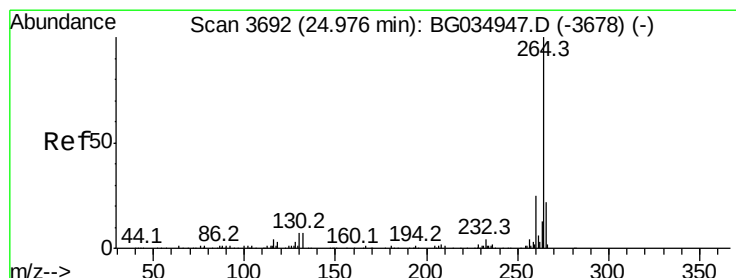
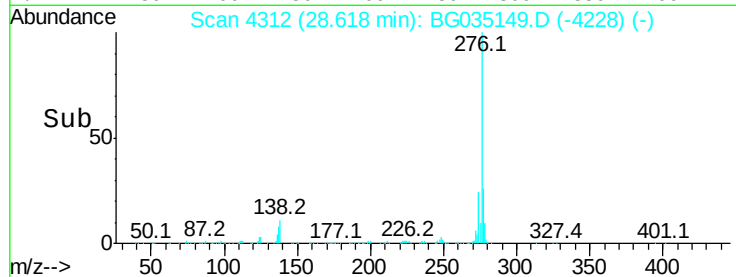
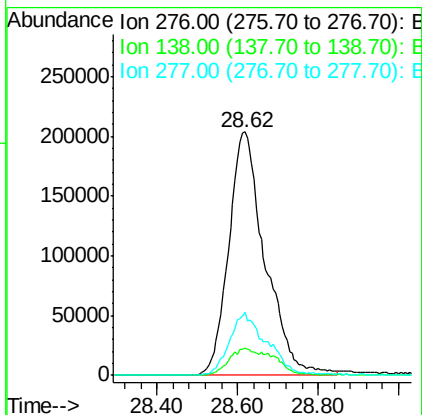
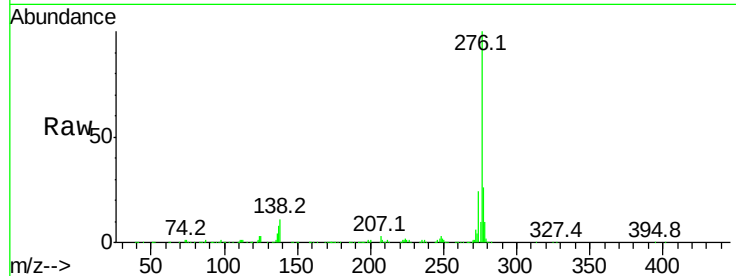




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 48.216 ng  
 RT: 28.62 min Scan# 4312  
 Delta R.T. -0.04 min  
 Lab File: BG035149.D  
 Acq: 14 Jun 2018 22:25

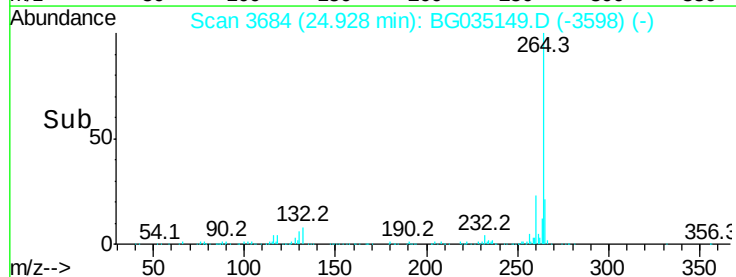
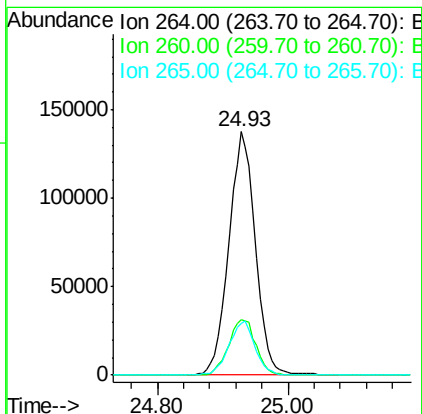
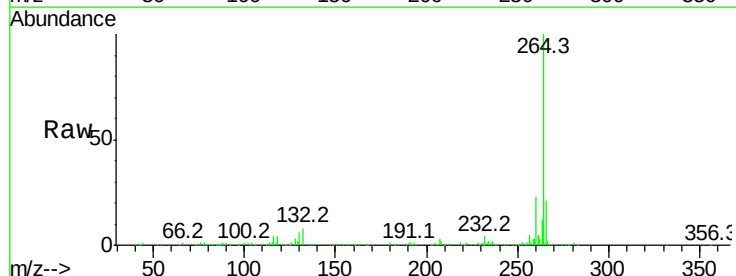
Instrument :  
 BNA\_G  
 ClientSampleId :

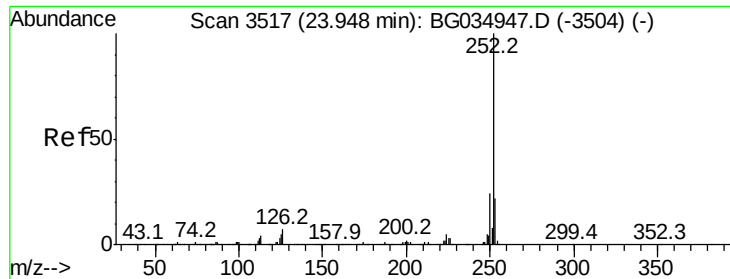
Tot Ion:276 Resp: 1275039  
 Ion Ratio Lower Upper  
 276 100  
 138 8.4 16.0 24.0#  
 277 26.1 20.0 30.0



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.93 min Scan# 3684  
 Delta R.T. -0.02 min  
 Lab File: BG035149.D  
 Acq: 14 Jun 2018 22:25

Tgt Ion:264 Resp: 387394  
 Ion Ratio Lower Upper  
 264 100  
 260 22.8 17.4 26.0  
 265 21.1 17.7 26.5

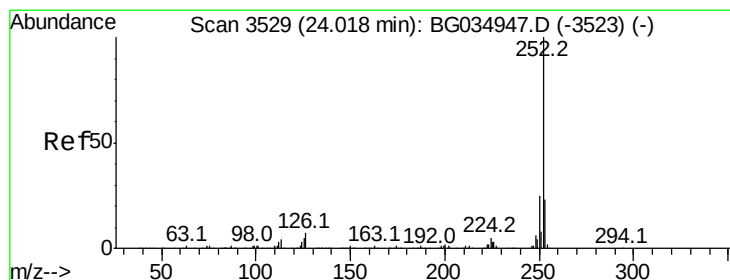
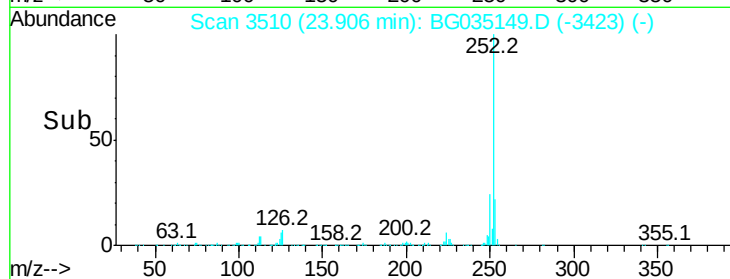
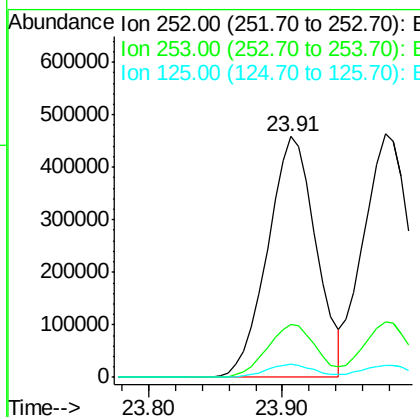
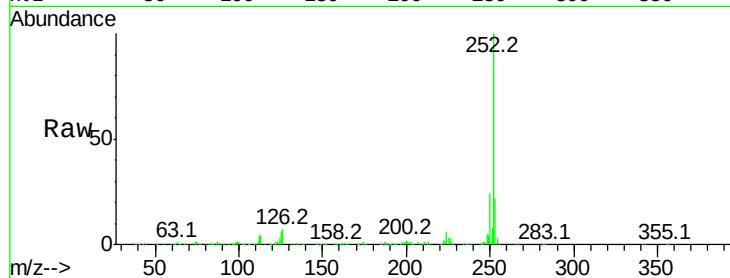




#87  
Benzo(b)fluoranthene  
Concen: 48.336 ng  
RT: 23.91 min Scan# 3510  
Delta R.T. -0.02 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

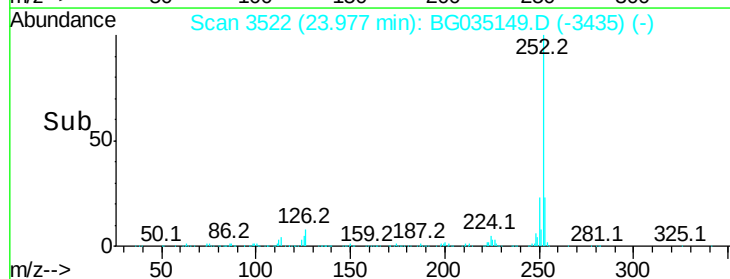
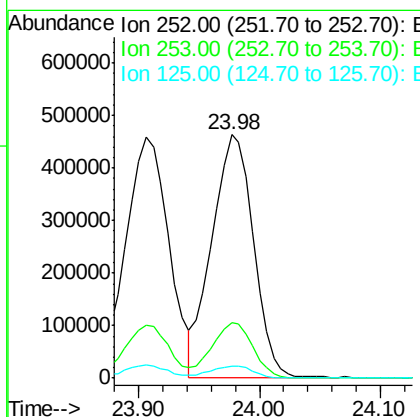
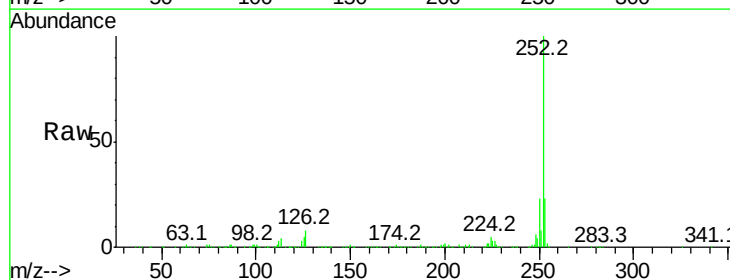
Instrument :  
BNA\_G  
ClientSampleId :

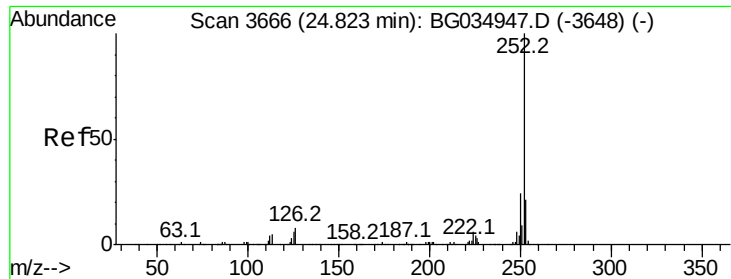
Tot Ion:252 Resp: 1153130  
Ion Ratio Lower Upper  
252 100  
253 22.2 18.2 27.4  
125 5.5 7.2 10.8#



#88  
Benzo(k)fluoranthene  
Concen: 47.232 ng  
RT: 23.98 min Scan# 3522  
Delta R.T. -0.02 min  
Lab File: BG035149.D  
Acq: 14 Jun 2018 22:25

Tgt Ion:252 Resp: 1102241  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.4 26.2  
125 4.8 6.6 9.8#





#89

Benzo(a)pyrene

Concen: 50.105 ng

RT: 24.78 min Scan# 3659

Delta R.T. -0.02 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

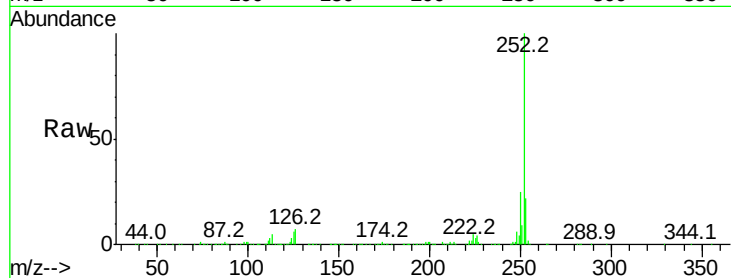
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:252 Resp: 1124774

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.3  | 18.3  | 27.5  |
| 125 | 5.8   | 7.3   | 10.9  |

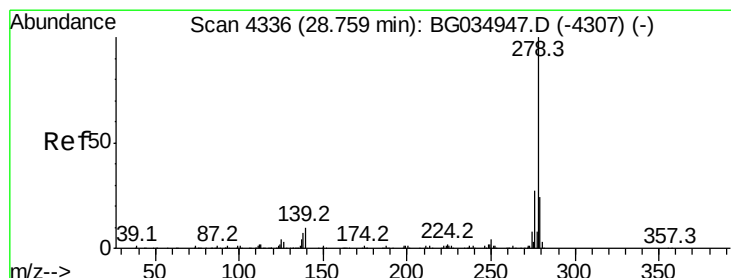
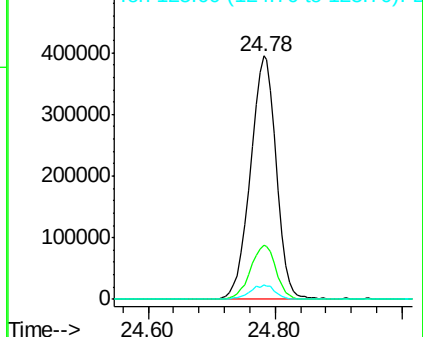
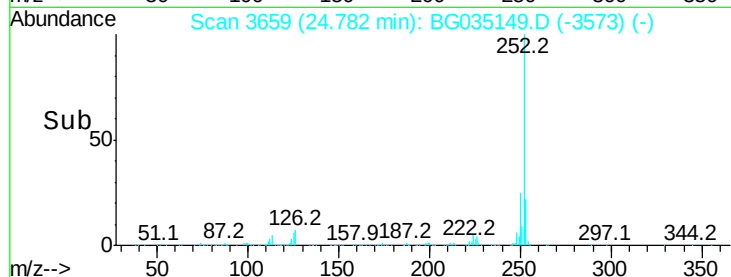


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 46.294 ng

RT: 28.69 min Scan# 4324

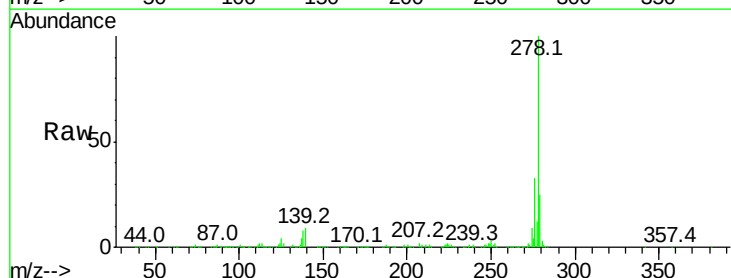
Delta R.T. -0.04 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

Tgt Ion:278 Resp: 1025901

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 9.5   | 9.8   | 14.6  |
| 279 | 25.5  | 18.4  | 27.6  |

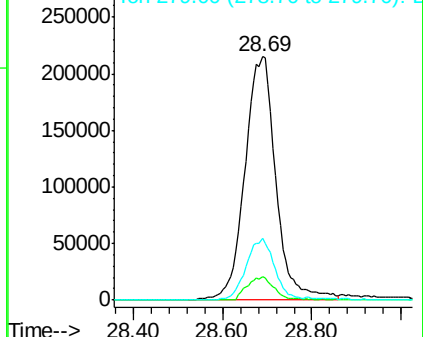
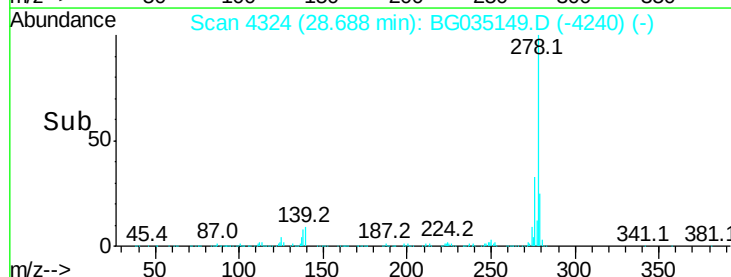


Abundance

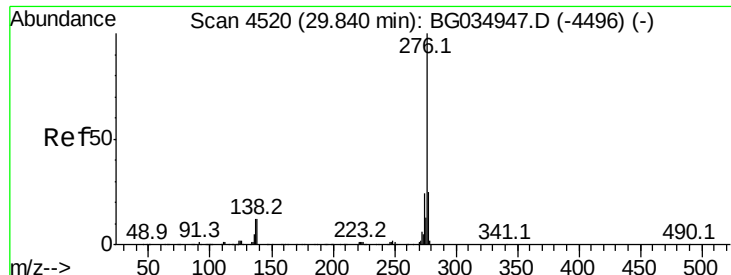
Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E







#91

Benzo(a,h,i)perylene

Concen: 47.963 ng

RT: 29.77 min Scan# 4509

Delta R.T. -0.03 min

Lab File: BG035149.D

Acq: 14 Jun 2018 22:25

Instrument :

BNA\_G

ClientSampleId :

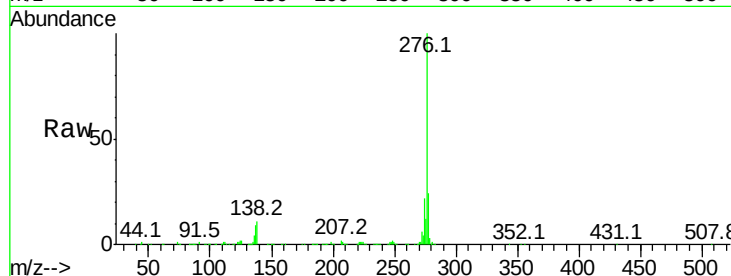
Tot Ion:276 Resp: 1040186

Ion Ratio Lower Upper

276 100

277 24.1 18.3 27.5

138 11.0 13.9 20.9#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

