

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040618\  
 Data File : BG033637.D  
 Acq On : 6 Apr 2018 20:42  
 Operator : SJ/JU  
 Sample : J2214-03MSD  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Apr 07 00:52:12 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 05 17:36:07 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.86  | 152  | 38446    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.74 | 136  | 184049   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.48 | 164  | 134192   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 18.21 | 188  | 334131   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 22.56 | 240  | 334614   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 26.32 | 264  | 346445   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 6.29  | 112 | 325466  | 158.74 | ng | 0.00 |
| 7) Phenol-d6             | 7.98  | 99  | 476557  | 135.28 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 10.06 | 82  | 365028  | 91.12  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.96 | 330 | 254315  | 126.71 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 14.11 | 172 | 859099  | 92.42  | ng | 0.00 |
| 78) Terphenyl-d14        | 20.73 | 244 | 1468339 | 93.85  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.93  | 88  | 39930  | 38.349 | ng | # 87   |
| 3) Pyridine                    | 4.42  | 79  | 14204  | 4.935  | ng | 94     |
| 4) n-Nitrosodimethylamine      | 4.29  | 42  | 56541  | 47.867 | ng | # 83   |
| 6) Aniline                     | 8.15  | 93  | 118223 | 28.537 | ng | 90     |
| 8) 2-Chlorophenol              | 8.41  | 128 | 118902 | 50.727 | ng | 95     |
| 9) Benzaldehyde                | 7.97  | 77  | 43642  | 19.493 | ng | 93     |
| 10) Phenol                     | 8.00  | 94  | 152135 | 43.740 | ng | 95     |
| 11) bis(2-Chloroethyl)ether    | 8.24  | 93  | 131652 | 46.373 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 8.74  | 146 | 116666 | 38.071 | ng | 93     |
| 13) 1,4-Dichlorobenzene        | 8.90  | 146 | 109313 | 35.618 | ng | 94     |
| 14) 1,2-Dichlorobenzene        | 9.22  | 146 | 121344 | 40.511 | ng | 98     |
| 15) Benzyl Alcohol             | 9.10  | 79  | 134029 | 48.322 | ng | 91     |
| 16) 2,2'-oxybis(1-Chloropropan | 9.38  | 45  | 222614 | 48.100 | ng | 93     |
| 17) 2-Methylphenol             | 9.64  | 107 | 152977 | 64.563 | ng | 88     |
| 18) Hexachloroethane           | 9.98  | 117 | 46074  | 38.897 | ng | 91     |
| 19) n-Nitroso-di-n-propylamine | 9.66  | 70  | 118336 | 45.841 | ng | 95     |
| 20) 3+4-Methylphenols          | 9.64  | 107 | 152977 | 45.345 | ng | 88     |
| 22) Acetophenone               | 9.70  | 105 | 197769 | 39.222 | ng | # 96   |
| 24) Nitrobenzene               | 10.11 | 77  | 181947 | 42.434 | ng | 91     |
| 25) Isophorone                 | 10.62 | 82  | 348851 | 44.869 | ng | 98     |
| 26) 2-Nitrophenol              | 10.83 | 139 | 72672  | 44.767 | ng | # 85   |
| 27) 2,4-Dimethylphenol         | 10.86 | 122 | 124526 | 52.805 | ng | 85     |
| 28) bis(2-Chloroethoxy)methane | 11.10 | 93  | 173809 | 44.805 | ng | 95     |
| 29) 2,4-Dichlorophenol         | 11.37 | 162 | 139742 | 48.184 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 11.60 | 180 | 140742 | 37.352 | ng | 97     |
| 31) Naphthalene                | 11.79 | 128 | 391555 | 41.054 | ng | 98     |
| 32) Benzoic acid               | 11.00 | 122 | 56837  | 25.927 | ng | 91     |
| 33) 4-Chloroaniline            | 11.90 | 127 | 124752 | 29.195 | ng | # 91   |
| 34) Hexachlorobutadiene        | 12.05 | 225 | 98480  | 34.561 | ng | 99     |
| 35) Caprolactam                | 12.63 | 113 | 39174  | 34.479 | ng | # 85   |
| 36) 4-Chloro-3-methylphenol    | 12.96 | 107 | 176028 | 46.537 | ng | 90     |
| 37) 2-Methylnaphthalene        | 13.34 | 142 | 310813 | 41.986 | ng | 94     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.70 | 216 | 196141 | 40.352 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 13.67 | 237 | 195332 | 68.549 | ng | 91     |

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 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

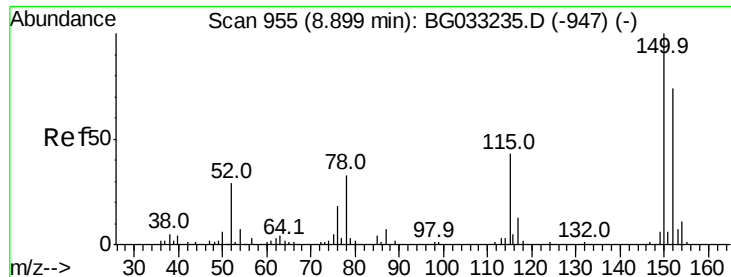
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Apr 07 00:52:12 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.93 | 196  | 125294   | 44.365 | ng    | 96       |
| 43) 2,4,5-Trichlorophenol      | 14.01 | 196  | 147699   | 44.246 | ng    | 96       |
| 45) 1,1'-Biphenyl              | 14.32 | 154  | 441533   | 42.827 | ng    | 96       |
| 46) 2-Chloronaphthalene        | 14.38 | 162  | 340448   | 42.828 | ng    | 96       |
| 47) 2-Nitroaniline             | 14.57 | 65   | 142368   | 47.816 | ng    | 89       |
| 48) Acenaphthylene             | 15.21 | 152  | 568525   | 42.847 | ng    | 100      |
| 49) Dimethylphthalate          | 14.91 | 163  | 489523   | 41.917 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 15.04 | 165  | 104514   | 43.768 | ng    | 96       |
| 51) Acenaphthene               | 15.55 | 154  | 404728   | 47.317 | ng    | 97       |
| 52) 3-Nitroaniline             | 15.38 | 138  | 98143    | 39.203 | ng    | # 90     |
| 53) 2,4-Dinitrophenol          | 15.58 | 184  | 83840    | 68.965 | ng    | # 78     |
| 54) Dibenzofuran               | 15.87 | 168  | 565154   | 44.730 | ng    | # 90     |
| 55) 4-Nitrophenol              | 15.66 | 139  | 134432   | 76.366 | ng    | # 85     |
| 56) 2,4-Dinitrotoluene         | 15.82 | 165  | 155722   | 44.290 | ng    | # 98     |
| 57) Fluorene                   | 16.52 | 166  | 471149   | 43.771 | ng    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 16.09 | 232  | 135751   | 43.198 | ng    | 96       |
| 59) Diethylphthalate           | 16.25 | 149  | 489037   | 43.125 | ng    | 96       |
| 60) 4-Chlorophenyl-phenylether | 16.49 | 204  | 258515   | 41.780 | ng    | 98       |
| 61) 4-Nitroaniline             | 16.53 | 138  | 107175   | 42.275 | ng    | 87       |
| 62) Azobenzene                 | 16.78 | 77   | 510432   | 46.466 | ng    | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 16.57 | 198  | 73755    | 36.898 | ng    | 98       |
| 65) n-Nitrosodiphenylamine     | 16.70 | 169  | 426823   | 44.745 | ng    | 98       |
| 66) 4-Bromophenyl-phenylether  | 17.38 | 248  | 166612   | 42.459 | ng    | 93       |
| 67) Hexachlorobenzene          | 17.51 | 284  | 165102   | 39.867 | ng    | # 87     |
| 68) Atrazine                   | 17.62 | 200  | 152913   | 39.560 | ng    | 99       |
| 69) Pentachlorophenol          | 17.85 | 266  | 184344   | 64.855 | ng    | 97       |
| 70) Phenanthrene               | 18.25 | 178  | 765196   | 43.973 | ng    | 99       |
| 71) Anthracene                 | 18.34 | 178  | 784202   | 44.508 | ng    | 99       |
| 72) Carbazole                  | 18.60 | 167  | 682728   | 43.727 | ng    | # 96     |
| 73) Di-n-butylphthalate        | 19.10 | 149  | 822734   | 45.272 | ng    | # 98     |
| 74) Fluoranthene               | 20.21 | 202  | 927289   | 43.061 | ng    | 98       |
| 76) Benzidine                  | 20.39 | 184  | 18977    | 2.091  | ng    | 96       |
| 77) Pyrene                     | 20.56 | 202  | 939020   | 42.077 | ng    | 100      |
| 79) Butylbenzylphthalate       | 21.42 | 149  | 380736   | 46.232 | ng    | 99       |
| 80) Benzo(a)anthracene         | 22.54 | 228  | 915784   | 42.981 | ng    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 22.42 | 252  | 283260   | 37.360 | ng    | 96       |
| 82) Chrysene                   | 22.61 | 228  | 883867   | 42.854 | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 22.36 | 149  | 532920   | 46.943 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 23.75 | 149  | 905735   | 52.107 | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 30.70 | 276  | 903964   | 40.537 | ng    | # 88     |
| 87) Benzo(b)fluoranthene       | 25.11 | 252  | 895865   | 44.758 | ng    | # 97     |
| 88) Benzo(k)fluoranthene       | 25.19 | 252  | 915032   | 45.201 | ng    | 98       |
| 89) Benzo(a)pyrene             | 26.15 | 252  | 896882   | 46.660 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 30.79 | 278  | 701989   | 38.771 | ng    | 99       |
| 91) Benzo(g,h,i)perylene       | 32.07 | 276  | 702040   | 39.156 | ng    | 96       |

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



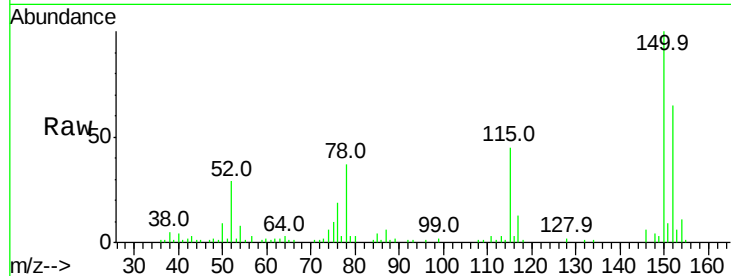


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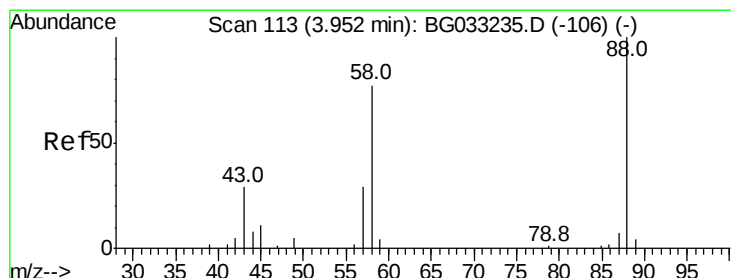
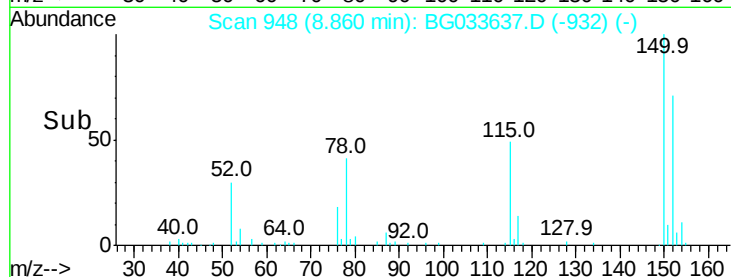
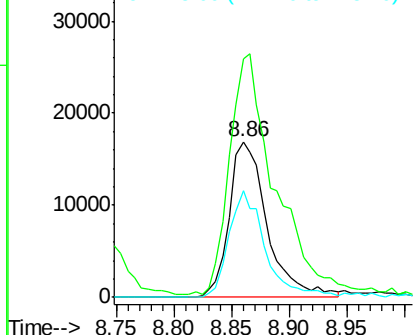
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.86 min Scan# 948  
Delta R.T. -0.00 min  
Lab File: BG033637.D  
Acq: 6 Apr 2018 20:42

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 38446  
Ion Ratio Lower Upper  
152 100  
150 153.2 126.6 189.8  
115 68.7 53.0 79.4



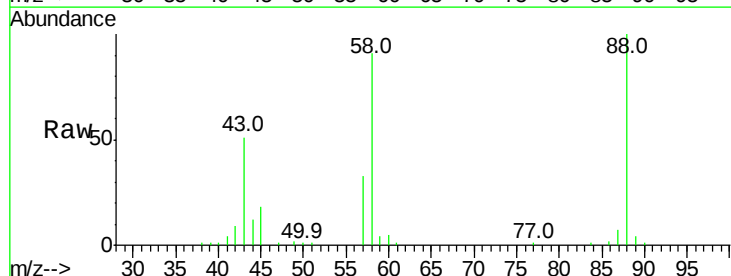
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



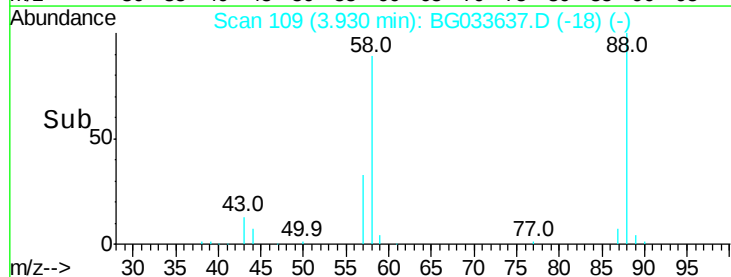
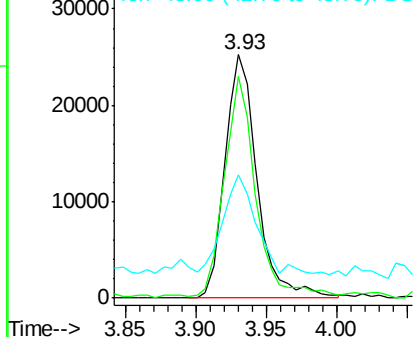
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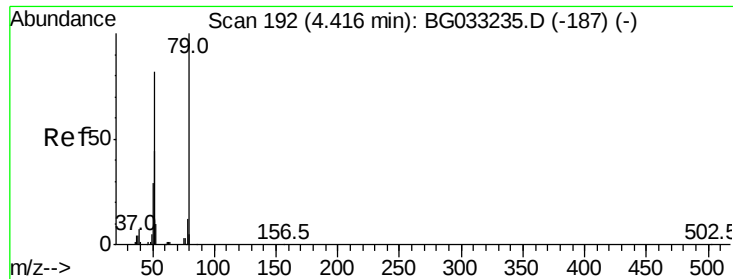
1,4-Dioxane  
Concen: 38.349 ng  
RT: 3.93 min Scan# 109  
Delta R.T. 0.00 min  
Lab File: BG033637.D  
Acq: 6 Apr 2018 20:42

Tgt Ion: 88 Resp: 39930  
Ion Ratio Lower Upper  
88 100  
58 87.6 79.6 119.4  
43 43.9 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: 4.935 ng

RT: 4.42 min Scan# 192

Delta R.T. 0.03 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Instrument :

BNA\_G

ClientSampleId :

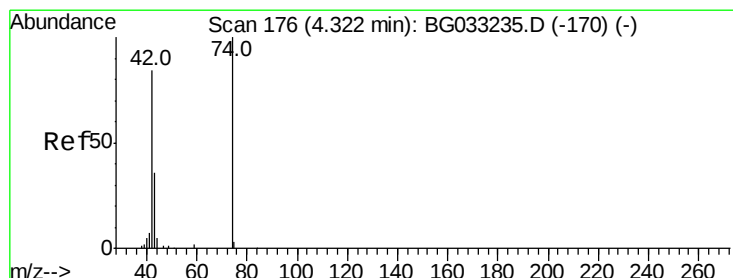
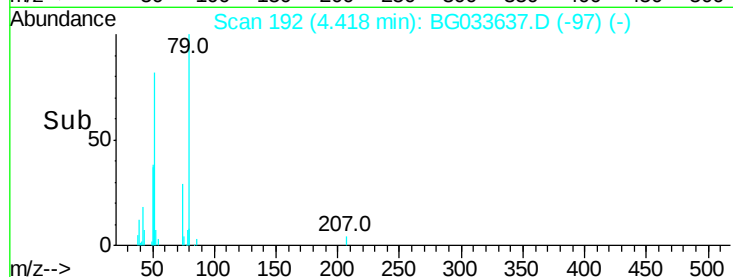
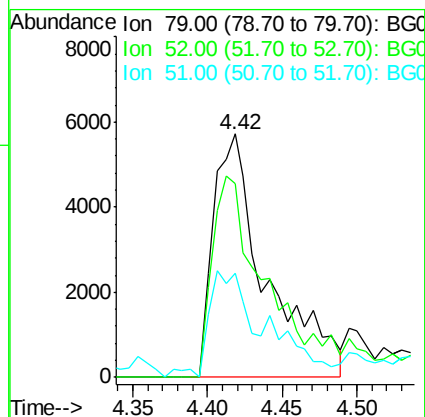
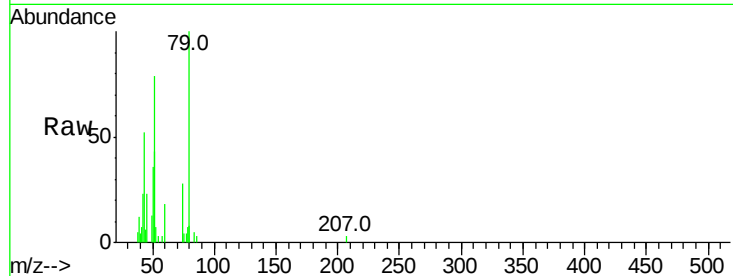
Tot Ion: 79 Resp: 14204

Ion Ratio Lower Upper

79 100

52 79.4 69.9 104.9

51 42.5 34.0 51.0



#4

n-Nitrosodimethylamine

Concen: 47.867 ng

RT: 4.29 min Scan# 171

Delta R.T. -0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

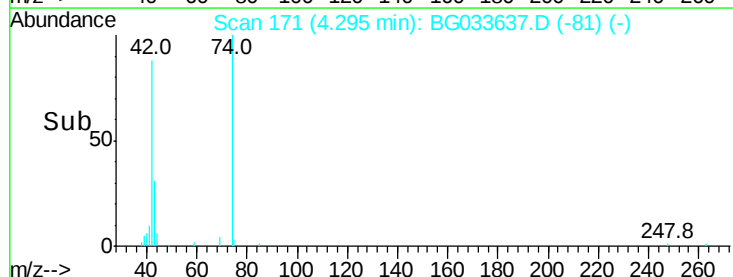
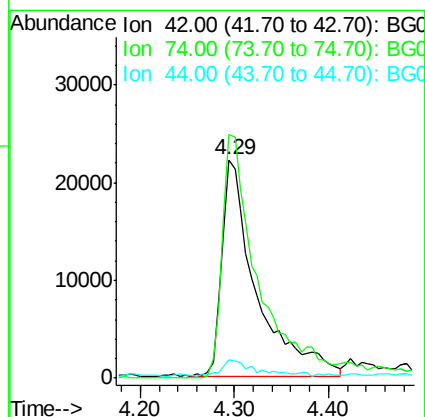
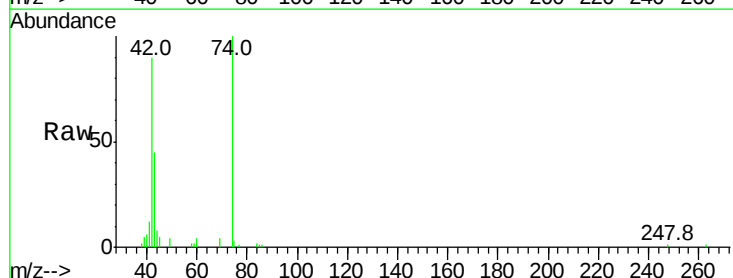
Tgt Ion: 42 Resp: 56541

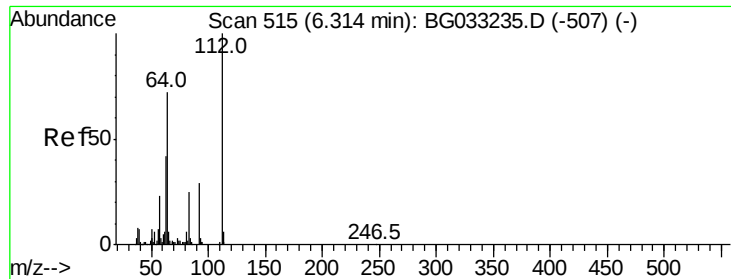
Ion Ratio Lower Upper

42 100

74 111.4 102.5 153.7

44 8.4 18.9 28.3#





#5

2-Fluorophenol

Concen: 158.739 ng

RT: 6.29 min Scan# 510

Delta R.T. -0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Instrument :

BNA\_G

ClientSampleId :

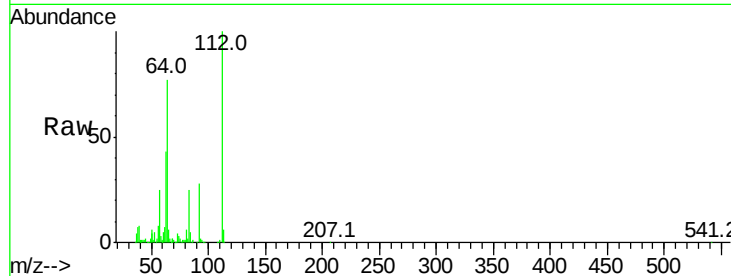
Tot Ion:112 Resp: 325466

Ion Ratio Lower Upper

112 100

64 77.2 56.3 84.5

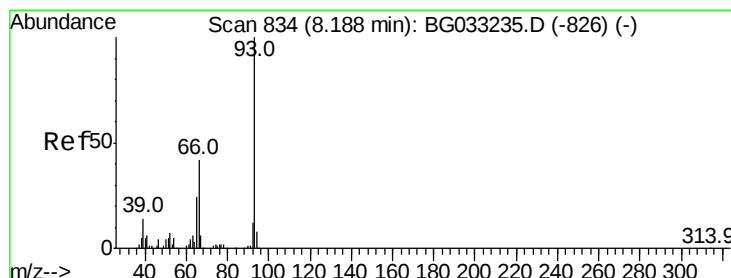
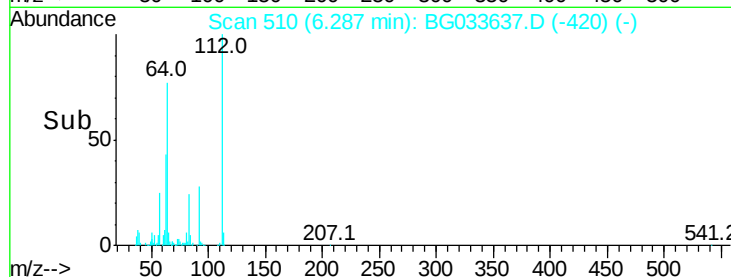
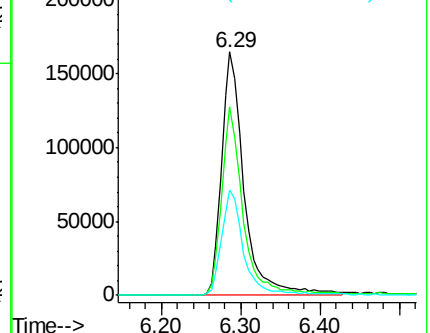
63 43.2 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 28.537 ng

RT: 8.15 min Scan# 828

Delta R.T. -0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

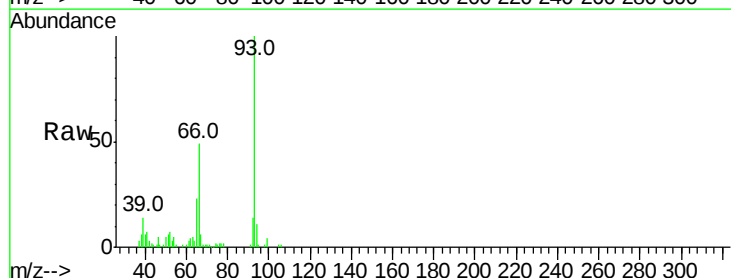
Tgt Ion: 93 Resp: 118223

Ion Ratio Lower Upper

93 100

66 49.1 33.7 50.5

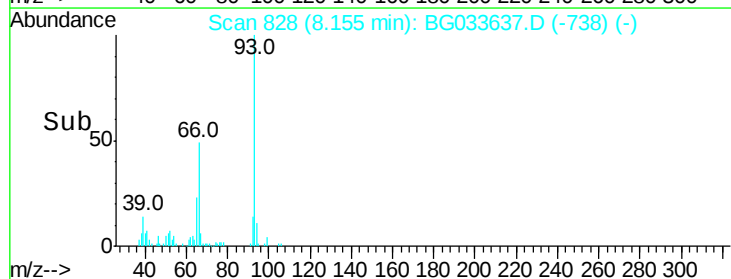
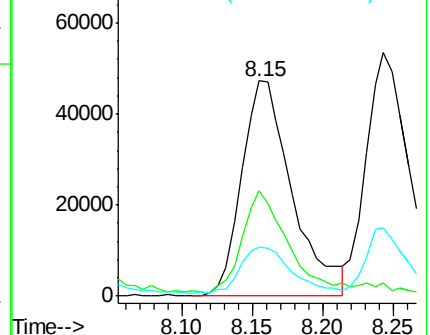
65 23.0 16.1 24.1

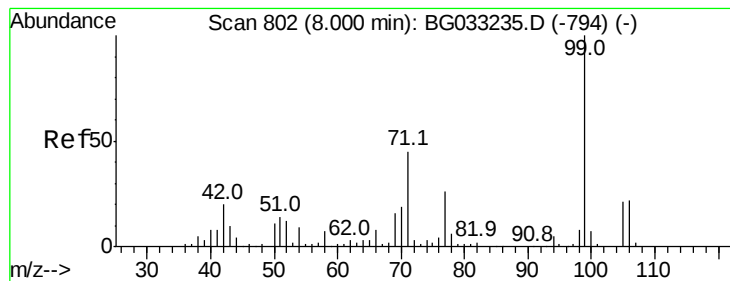


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 135.275 ng

RT: 7.98 min Scan# 798

Delta R.T. 0.01 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Instrument :

BNA\_G

ClientSampled :

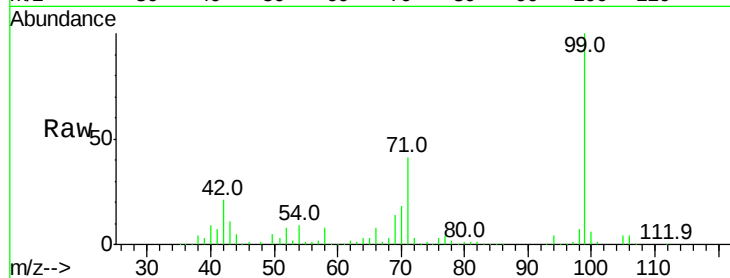
Tot Ion: 99 Resp: 476557

Ion Ratio Lower Upper

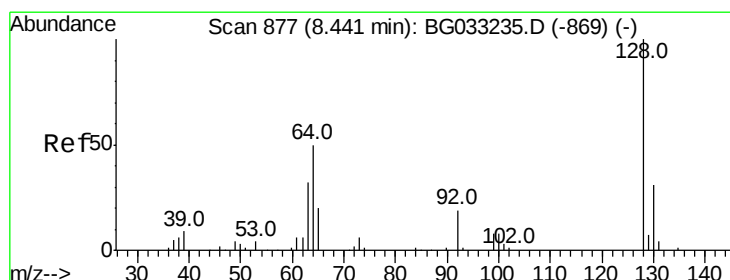
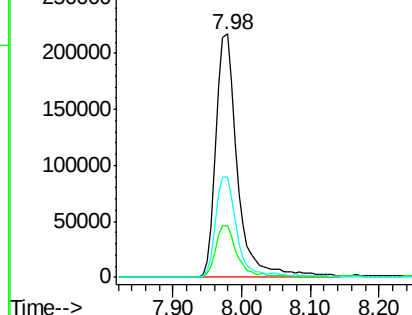
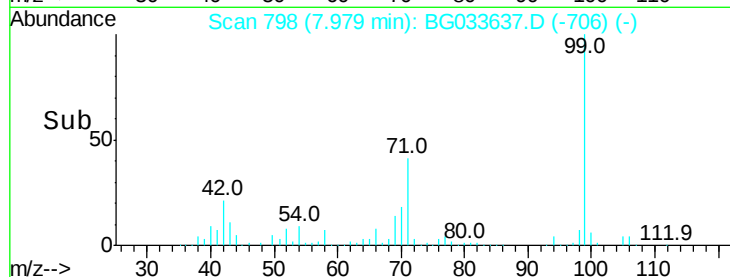
99 100

42 21.1 14.1 21.1

71 41.0 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: 50.727 ng

RT: 8.41 min Scan# 871

Delta R.T. -0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

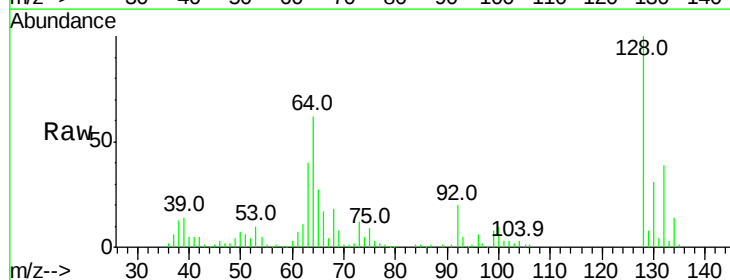
Tgt Ion:128 Resp: 118902

Ion Ratio Lower Upper

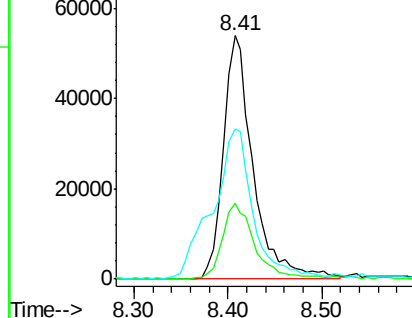
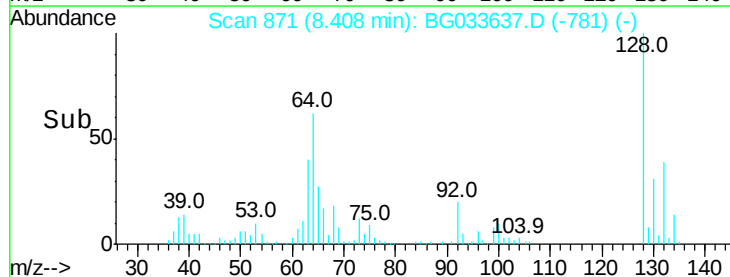
128 100

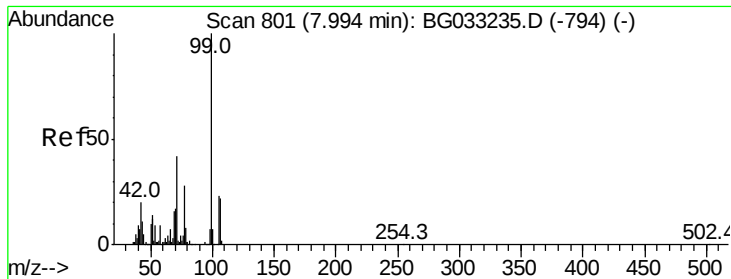
130 31.3 14.0 54.0

64 61.6 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: 19.493 ng

RT: 7.97 min Scan# 796

Delta R.T. 0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Instrument :

BNA\_G

ClientSampleId :

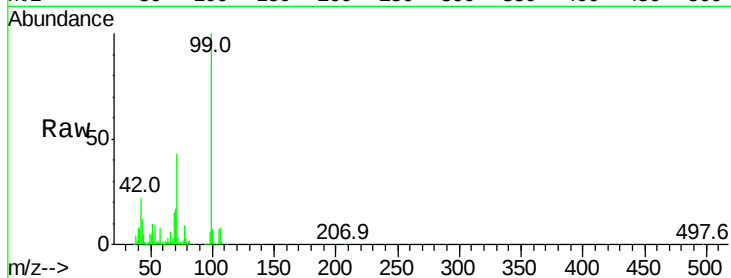
Tot Ion: 77 Resp: 43642

Ion Ratio Lower Upper

77 100

105 82.3 71.3 111.3

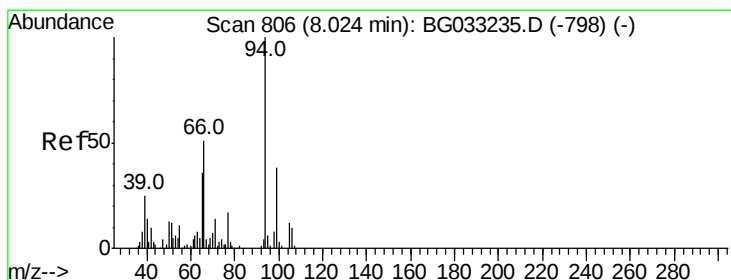
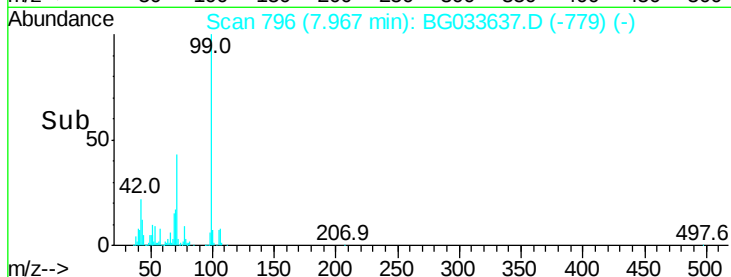
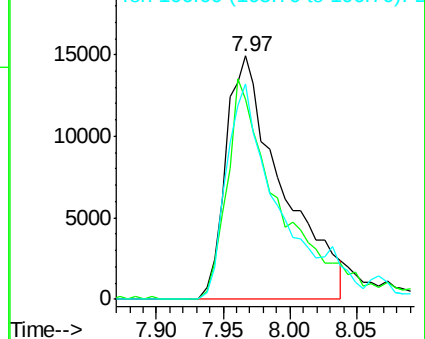
106 88.3 64.2 104.2



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 43.740 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

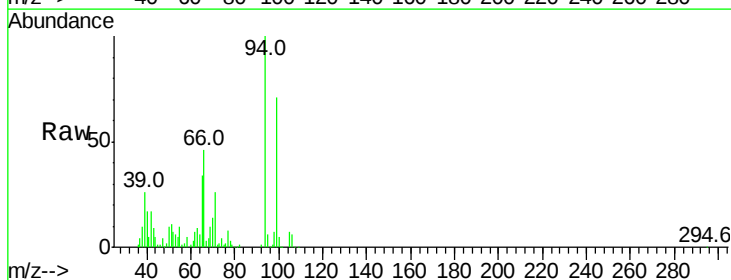
Tgt Ion: 94 Resp: 152135

Ion Ratio Lower Upper

94 100

65 33.9 11.9 51.9

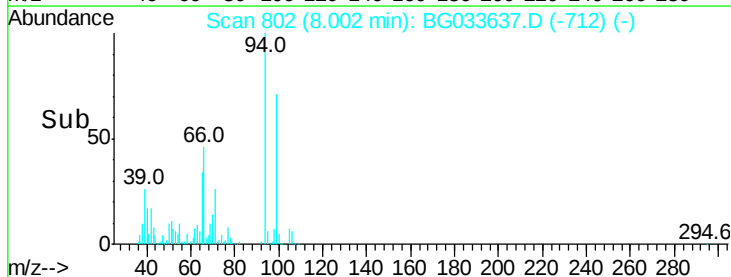
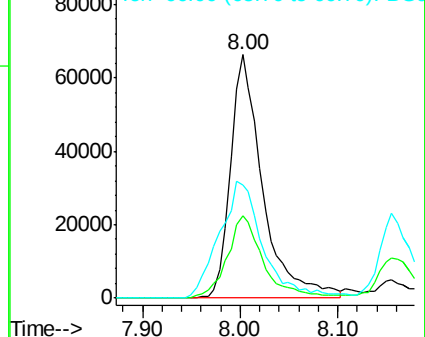
66 46.3 22.2 62.2

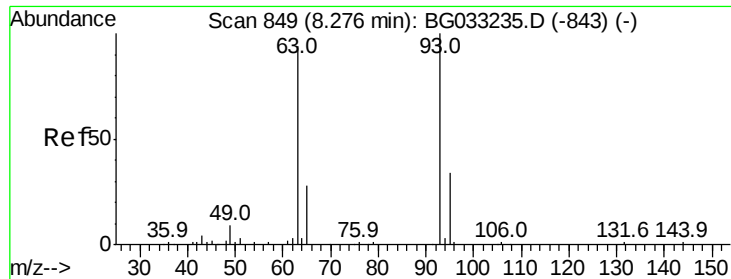


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

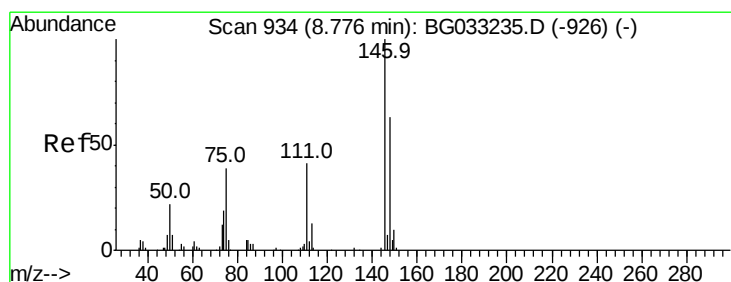
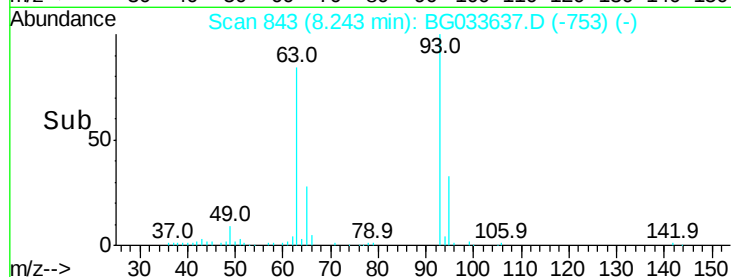
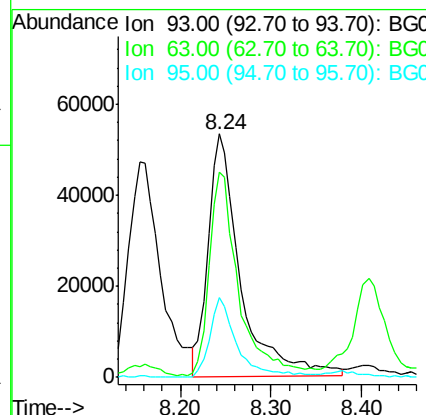
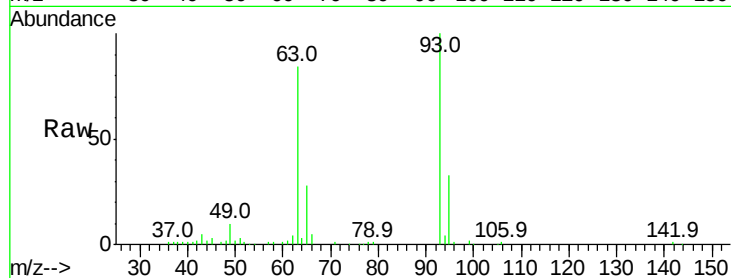




#11  
 bis(2-Chloroethyl)ether  
 Concen: 46.373 ng  
 RT: 8.24 min Scan# 843  
 Delta R.T. -0.00 min  
 Lab File: BG033637.D  
 Acq: 6 Apr 2018 20:42

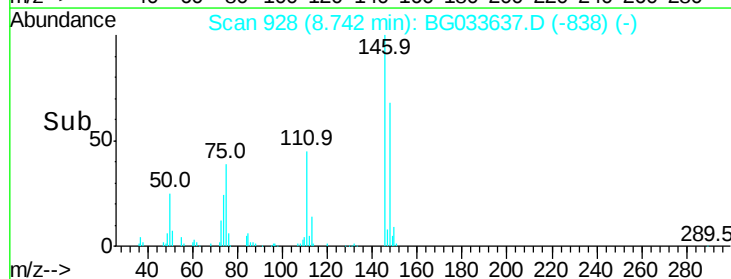
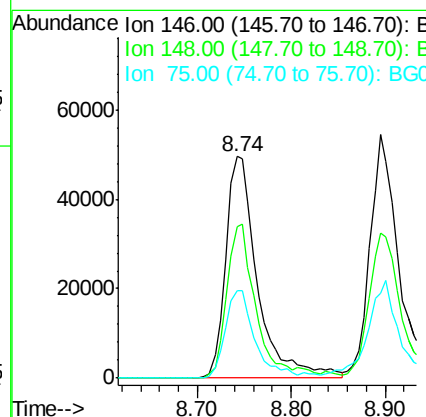
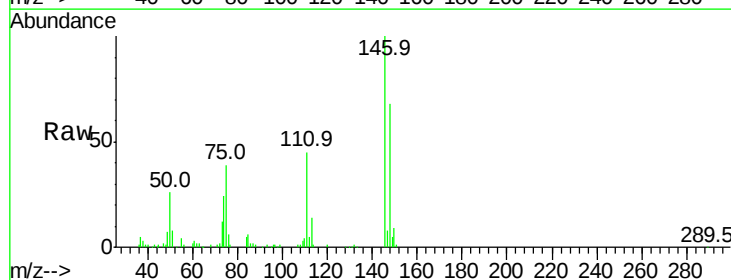
Instrument :  
 BNA\_G  
 ClientSampleId :

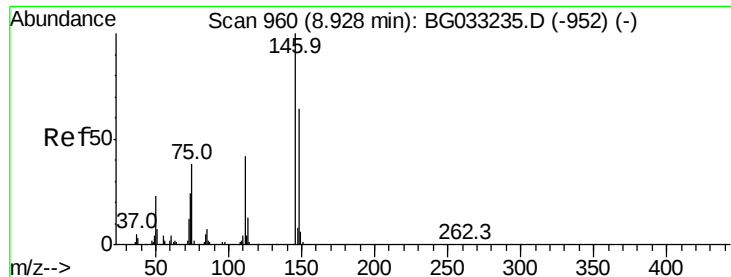
Tot Ion: 93 Resp: 131652  
 Ion Ratio Lower Upper  
 93 100  
 63 84.3 67.1 107.1  
 95 32.6 11.5 51.5



#12  
 1,3-Dichlorobenzene  
 Concen: 38.071 ng  
 RT: 8.74 min Scan# 928  
 Delta R.T. -0.00 min  
 Lab File: BG033637.D  
 Acq: 6 Apr 2018 20:42

Tgt Ion: 146 Resp: 116666  
 Ion Ratio Lower Upper  
 146 100  
 148 68.2 51.4 77.2  
 75 39.3 26.6 39.8





#13

1,4-Dichlorobenzene

Concen: 35.618 ng

RT: 8.90 min Scan# 954

Delta R.T. -0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Instrument :

BNA\_G

ClientSampleId :

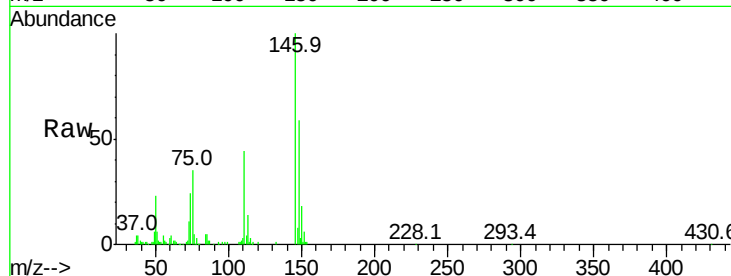
Tot Ion:146 Resp: 109313

Ion Ratio Lower Upper

146 100

148 59.4 53.7 80.5

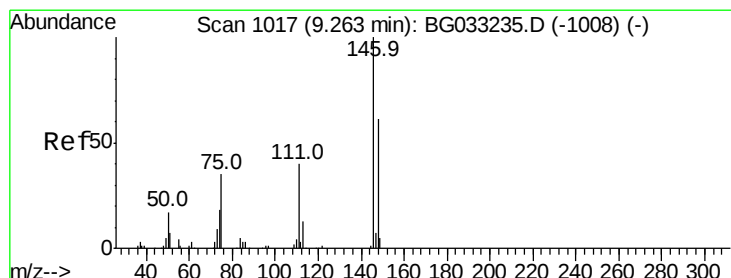
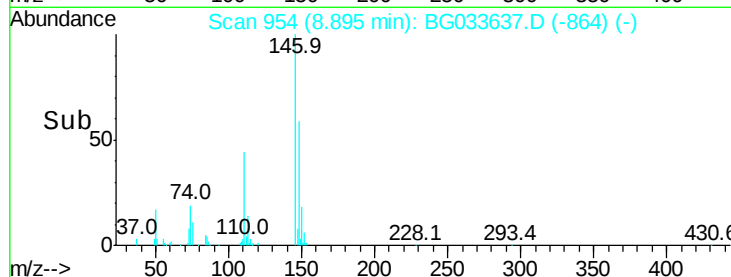
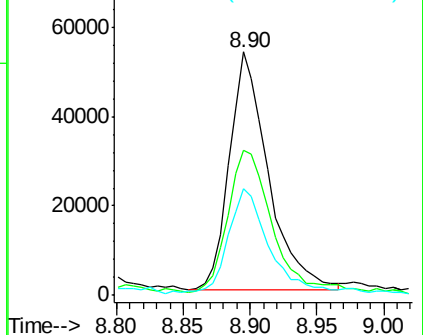
111 43.8 35.2 52.8



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 40.511 ng

RT: 9.22 min Scan# 1010

Delta R.T. -0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

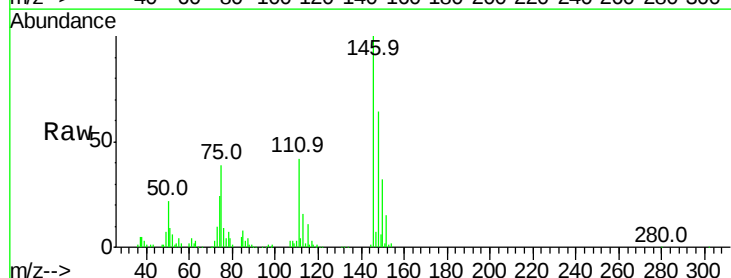
Tgt Ion:146 Resp: 121344

Ion Ratio Lower Upper

146 100

148 63.9 49.3 73.9

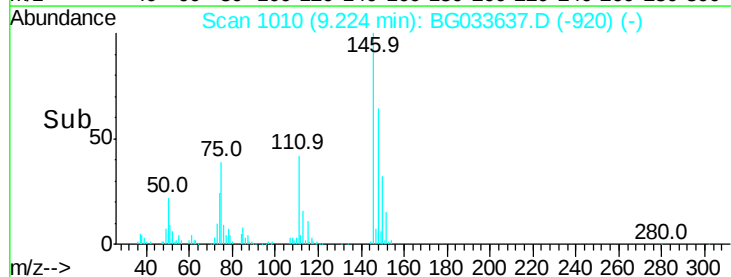
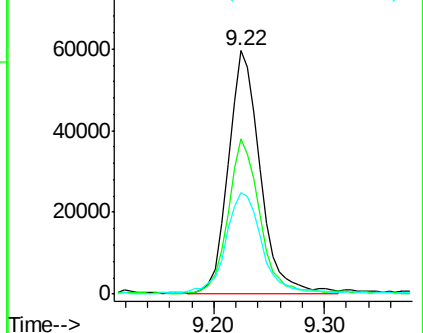
111 41.9 34.3 51.5

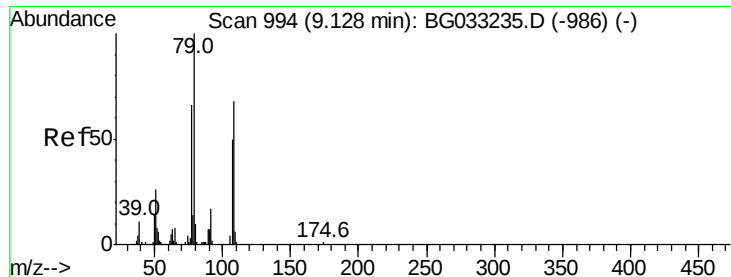


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 48.322 ng

RT: 9.10 min Scan# 989

Delta R.T. 0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Instrument :

BNA\_G

ClientSampleId :

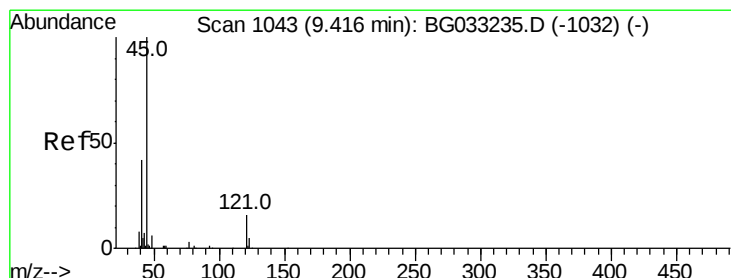
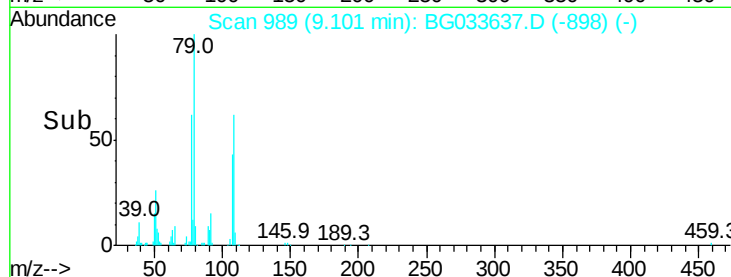
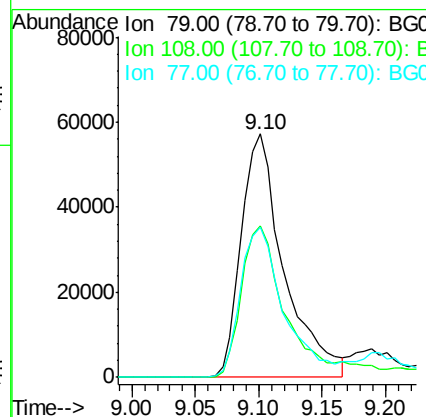
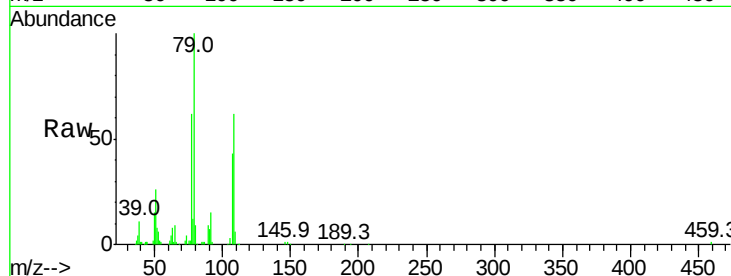
Tot Ion: 79 Resp: 134029

Ion Ratio Lower Upper

79 100

108 62.3 57.2 85.8

77 61.9 46.1 69.1



#16

2,2'-oxybis(1-chloropropane)

Concen: 48.100 ng

RT: 9.38 min Scan# 1037

Delta R.T. 0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

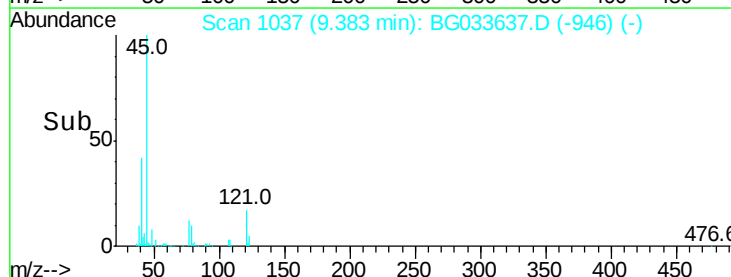
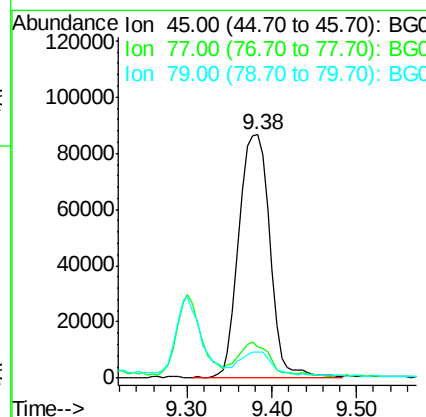
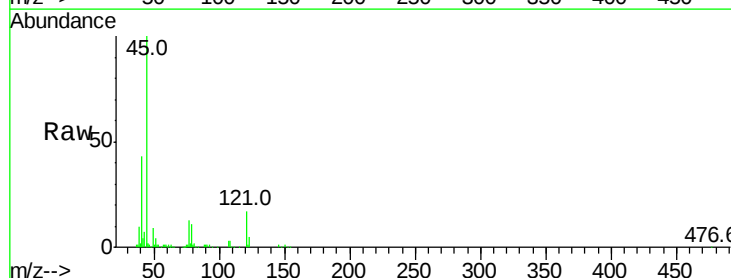
Tgt Ion: 45 Resp: 222614

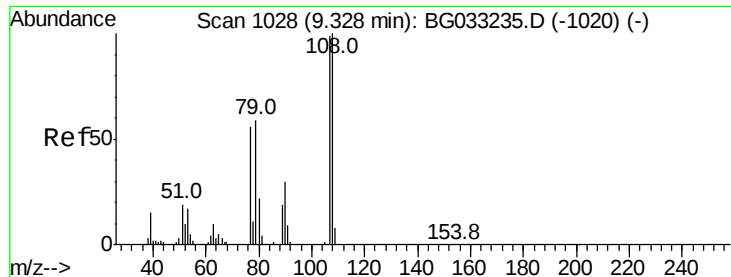
Ion Ratio Lower Upper

45 100

77 12.6 0.0 30.2

79 10.5 0.0 27.9





#17

2-Methylphenol

Concen: 64.563 ng

RT: 9.64 min Scan# 1080

Delta R.T. 0.34 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:107 Resp: 152977

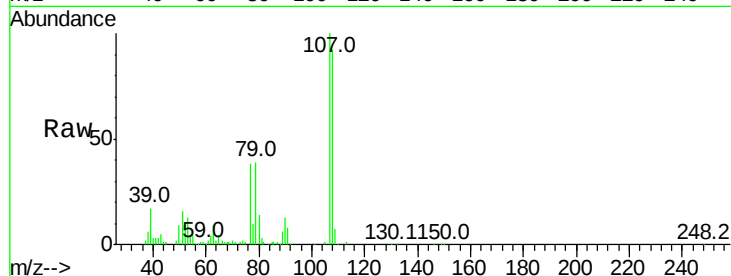
Ion Ratio Lower Upper

107 100

108 92.3 83.9 125.9

77 37.6 37.2 55.8

79 39.3 36.2 54.2

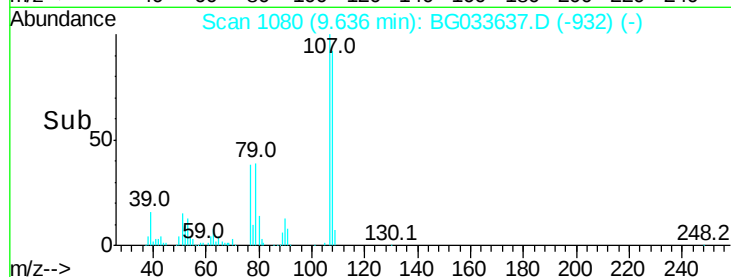


Abundance Ion 107.00 (106.70 to 107.70): E

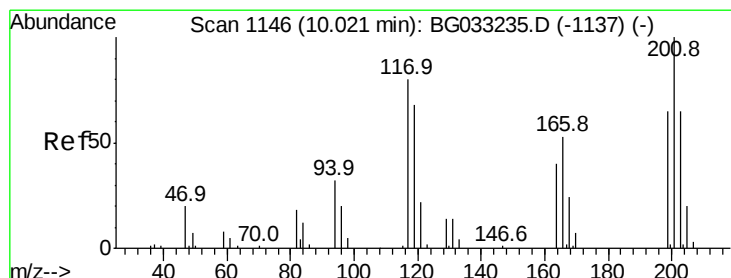
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



Time--> 9.50 9.60 9.70 9.80



#18

Hexachloroethane

Concen: 38.897 ng

RT: 9.98 min Scan# 1138

Delta R.T. -0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

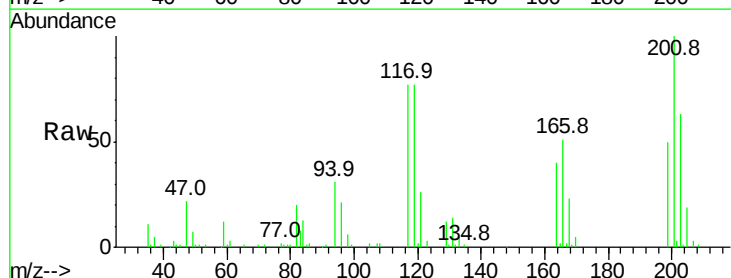
Tgt Ion:117 Resp: 46074

Ion Ratio Lower Upper

117 100

119 100.3 76.7 115.1

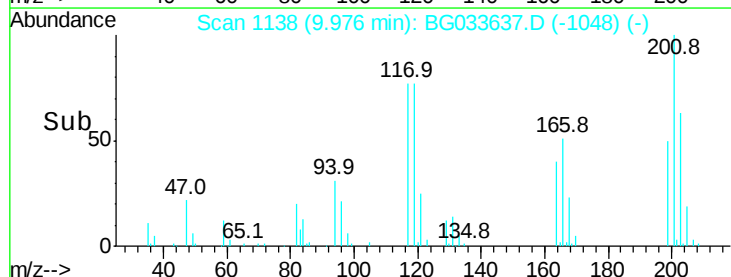
201 133.4 95.7 143.5



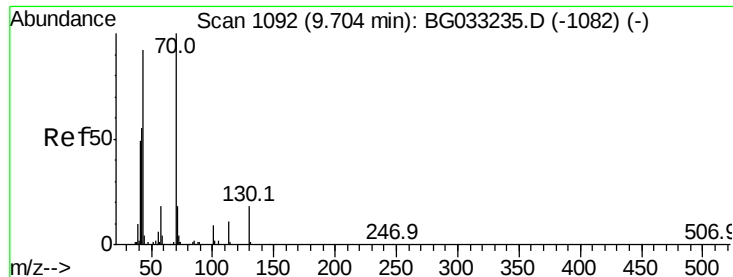
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



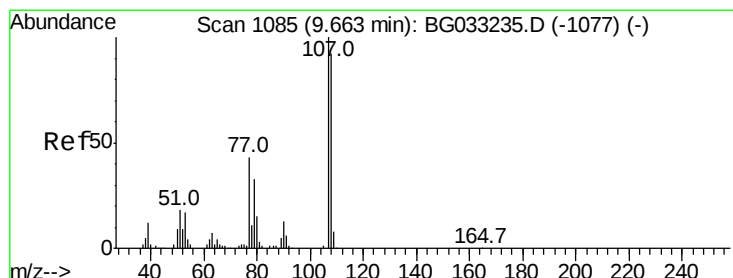
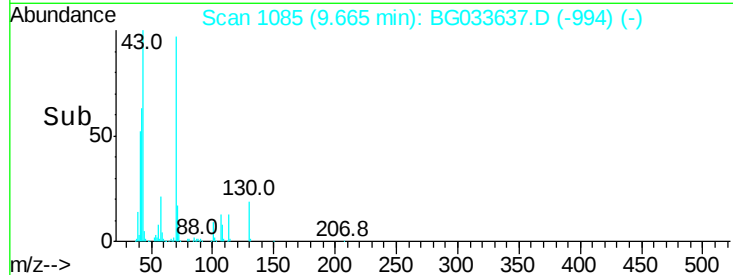
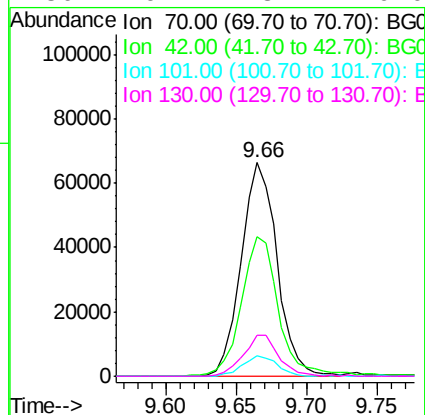
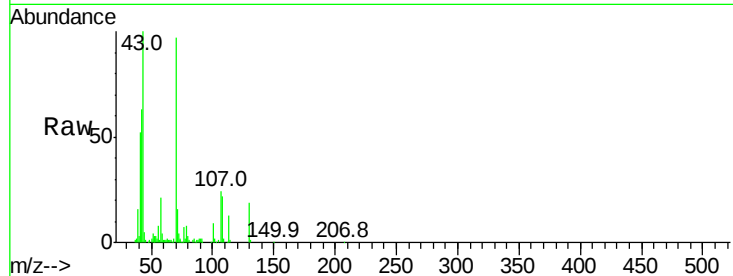
Time--> 9.90 9.95 10.00 10.05



#19  
n-Nitroso-di-n-propylamine  
Concen: 45.841 ng  
RT: 9.66 min Scan# 1085  
Delta R.T. 0.00 min  
Lab File: BG033637.D  
Acq: 6 Apr 2018 20:42

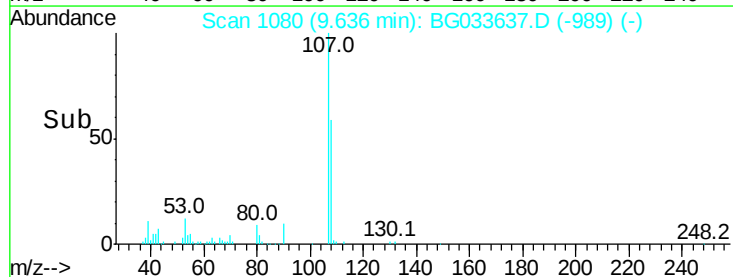
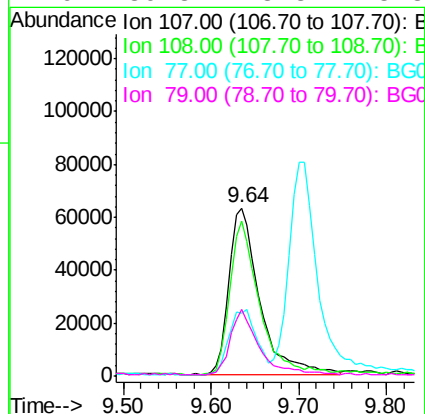
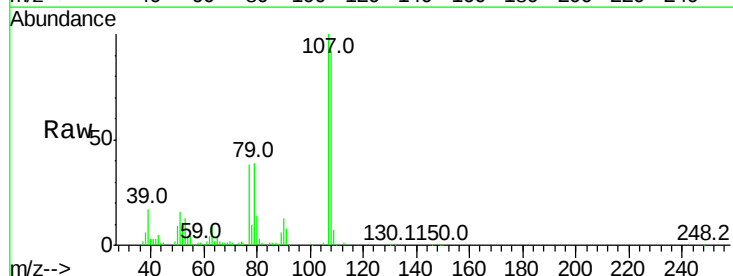
Instrument :  
BNA\_G  
ClientSampleId :

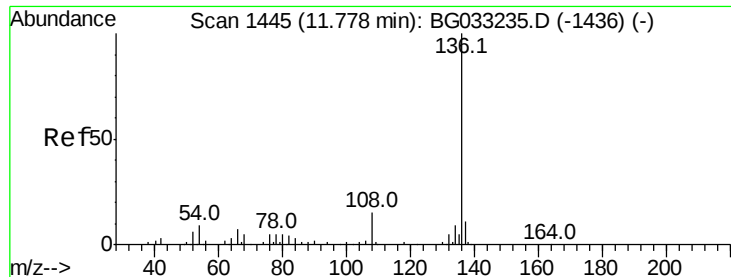
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 118336 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 65.1  | 49.1  | 73.7   |
| 101      | 9.7   | 8.5   | 12.7   |
| 130      | 19.2  | 13.4  | 20.0   |



#20  
3+4-Methylphenols  
Concen: 45.345 ng  
RT: 9.64 min Scan# 1080  
Delta R.T. 0.00 min  
Lab File: BG033637.D  
Acq: 6 Apr 2018 20:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 152977 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 92.3  | 61.6  | 101.6  |
| 77       | 37.6  | 13.9  | 53.9   |
| 79       | 39.3  | 8.8   | 48.8   |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.74 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:136 Resp: 184049

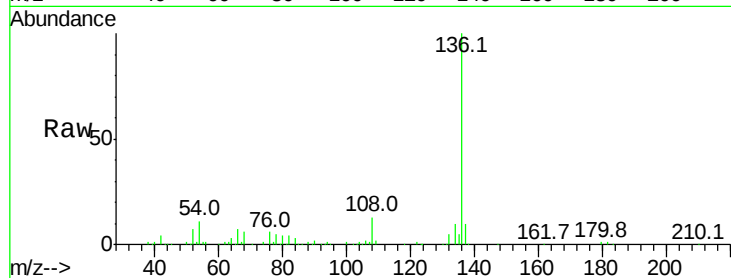
Ion Ratio Lower Upper

136 100

137 10.2 9.2 13.8

54 10.6 10.3 15.5

68 6.1 4.5 6.7

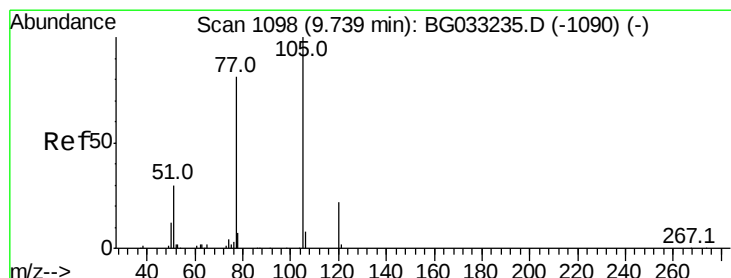
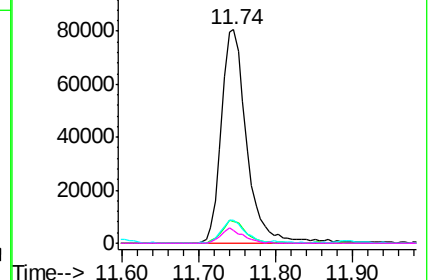
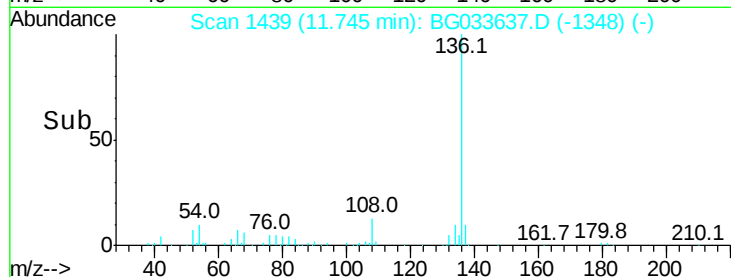


Abundance Ion 136.00 (135.70 to 136.70): E

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: 39.222 ng

RT: 9.70 min Scan# 1091

Delta R.T. -0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Tgt Ion:105 Resp: 197769

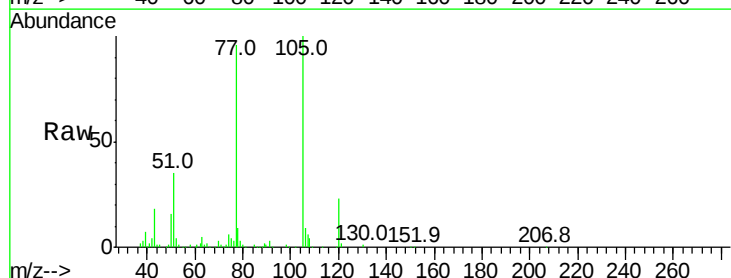
Ion Ratio Lower Upper

105 100

71 0.5 3.0 4.4#

51 35.0 26.1 39.1

120 22.8 17.4 26.2

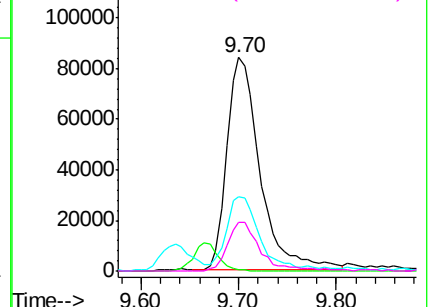
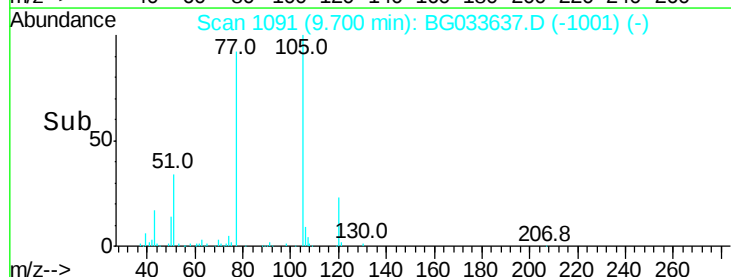


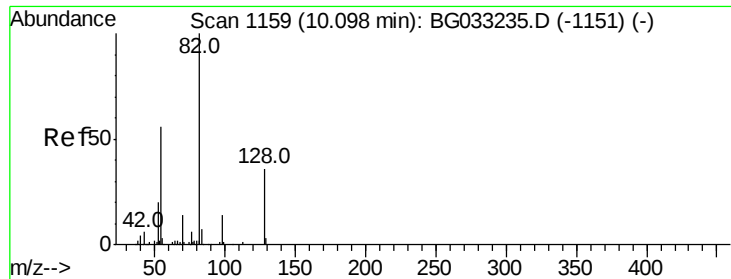
Abundance Ion 105.00 (104.70 to 105.70): E

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

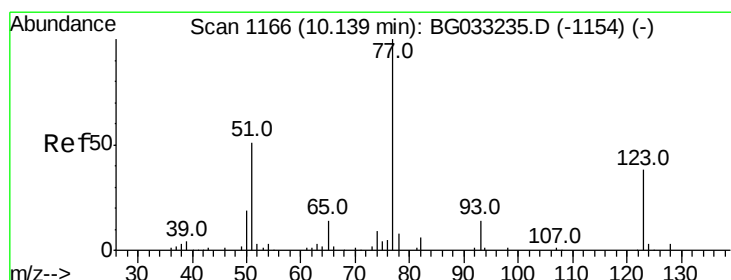
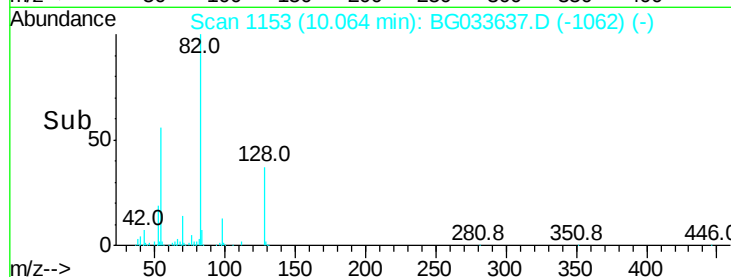
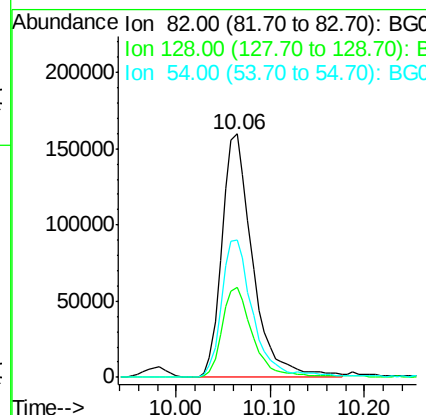
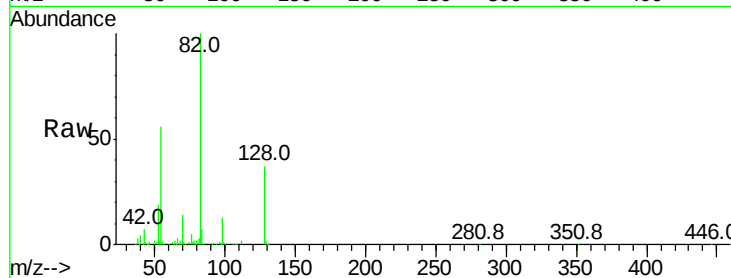




#23  
Nitrobenzene-d5  
Concen: 91.122 ng  
RT: 10.06 min Scan# 1153  
Delta R.T. 0.00 min  
Lab File: BG033637.D  
Acq: 6 Apr 2018 20:42

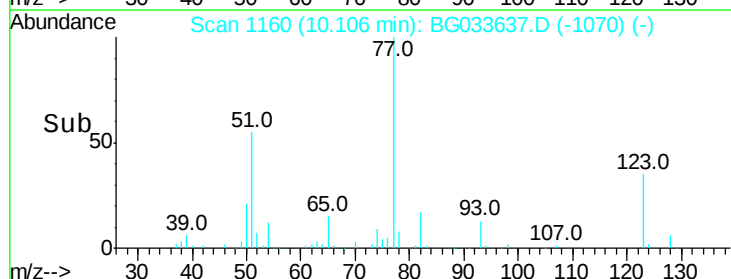
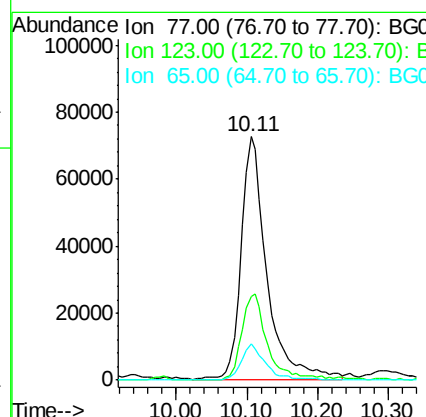
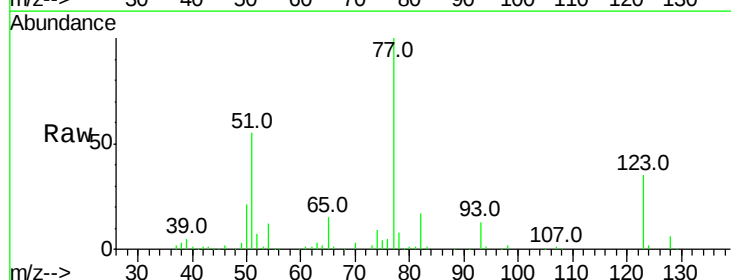
Instrument :  
BNA\_G  
ClientSampleId :

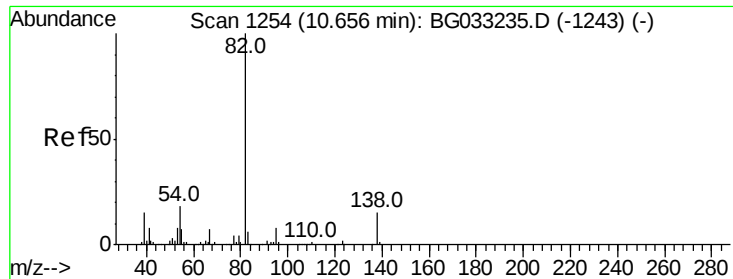
Tot Ion: 82 Resp: 365028  
Ion Ratio Lower Upper  
82 100  
128 36.7 29.7 44.5  
54 56.4 43.1 64.7



#24  
Nitrobenzene  
Concen: 42.434 ng  
RT: 10.11 min Scan# 1160  
Delta R.T. -0.00 min  
Lab File: BG033637.D  
Acq: 6 Apr 2018 20:42

Tgt Ion: 77 Resp: 181947  
Ion Ratio Lower Upper  
77 100  
123 34.5 33.0 49.6  
65 15.0 13.0 19.6





#25

Isophorone

Concen: 44.869 ng

RT: 10.62 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Instrument :

BNA\_G

ClientSampled :

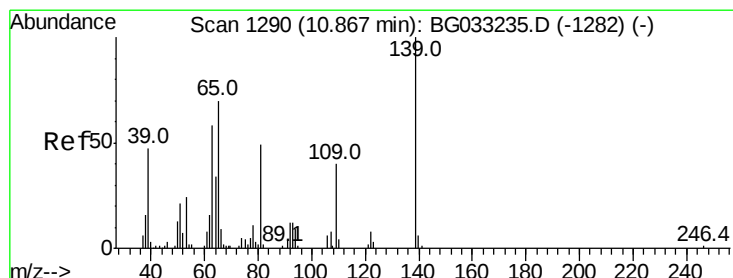
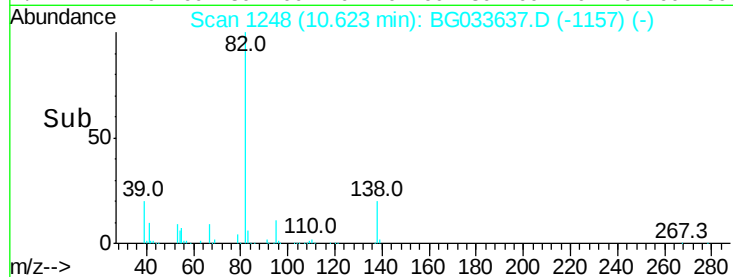
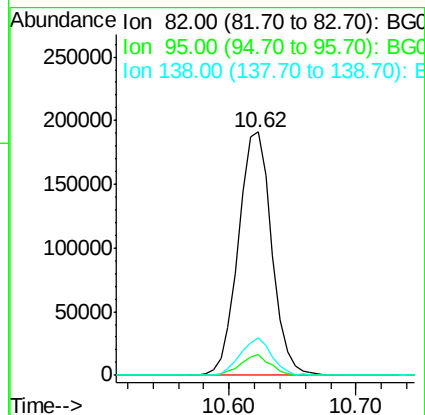
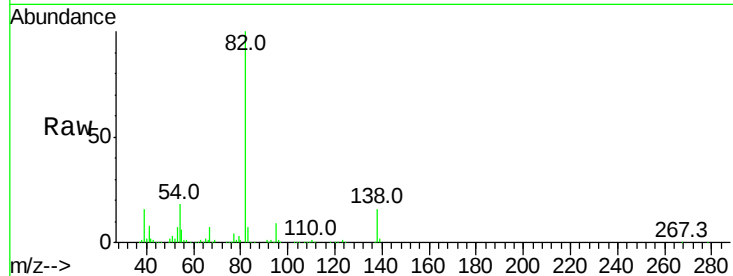
Tot Ion: 82 Resp: 348851

Ion Ratio Lower Upper

82 100

95 8.5 6.2 9.2

138 15.7 12.1 18.1



#26

2-Nitrophenol

Concen: 44.767 ng

RT: 10.83 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

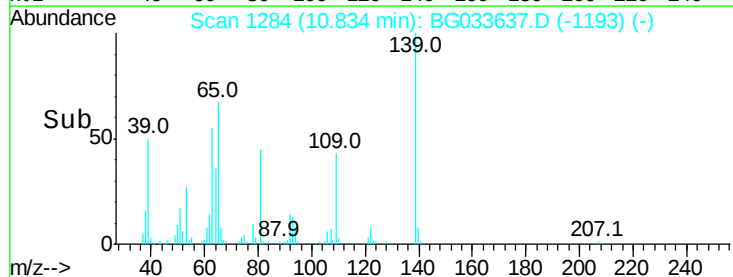
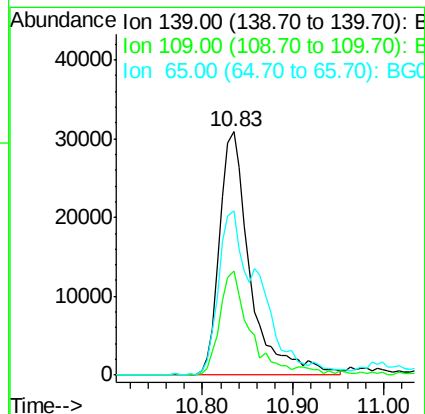
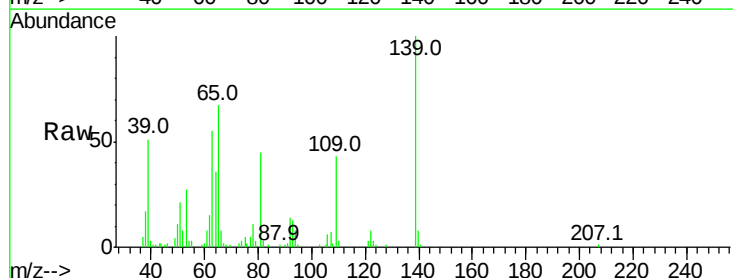
Tgt Ion: 139 Resp: 72672

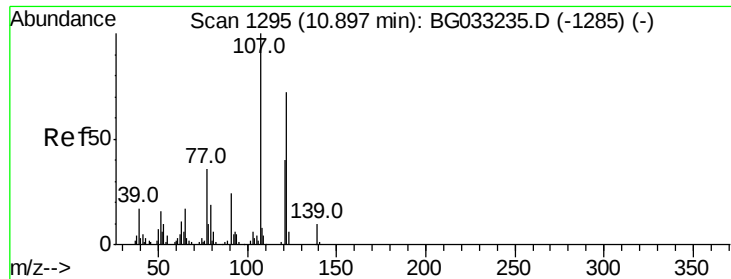
Ion Ratio Lower Upper

139 100

109 42.7 24.2 36.2#

65 67.2 47.4 71.0

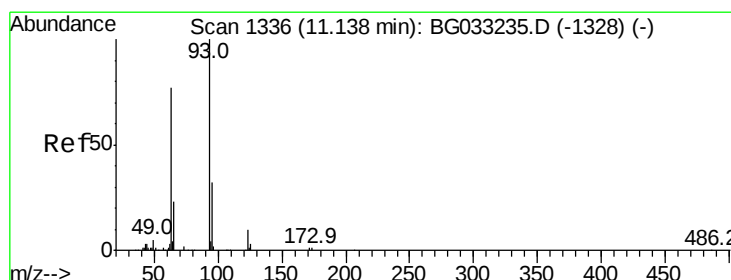
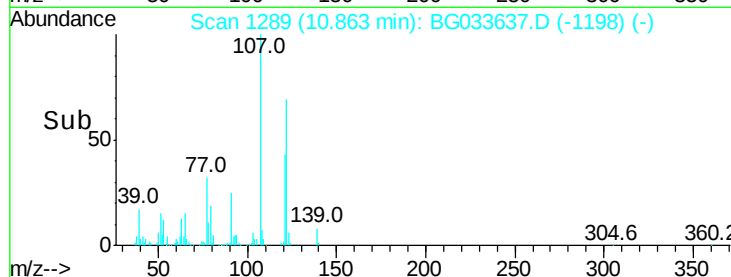
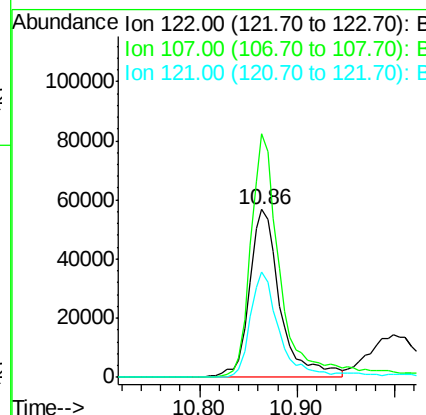
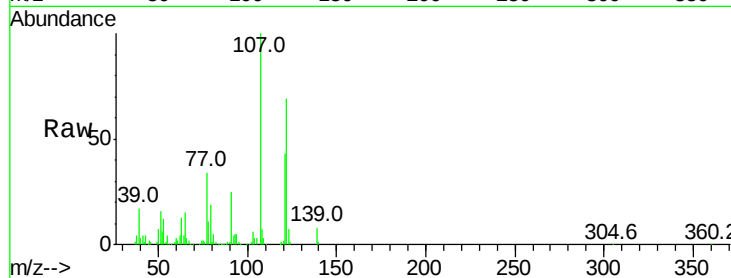




#27  
 2,4-Dimethylphenol  
 Concen: 52.805 ng  
 RT: 10.86 min Scan# 1289  
 Delta R.T. 0.00 min  
 Lab File: BG033637.D  
 Acq: 6 Apr 2018 20:42

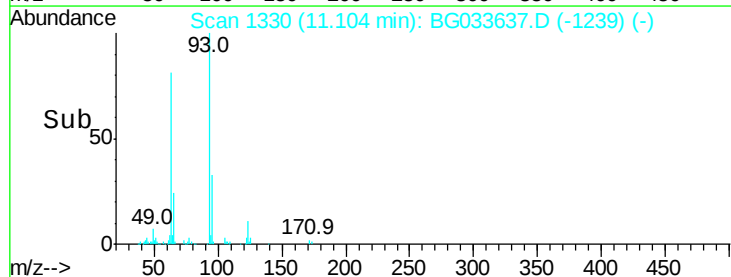
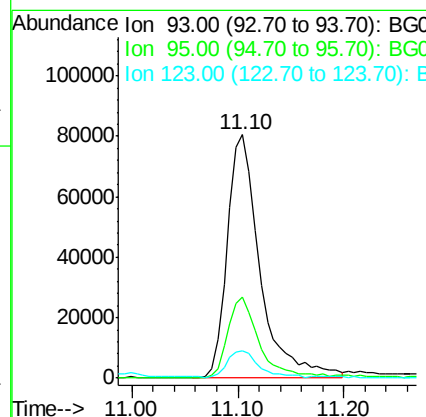
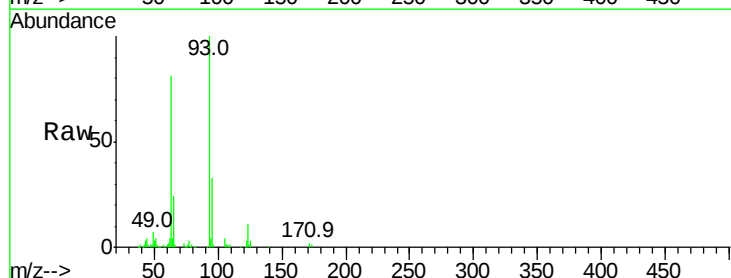
Instrument :  
 BNA\_G  
 ClientSampleId :

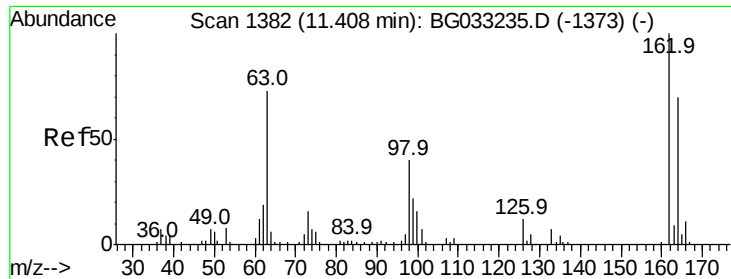
Tot Ion:122 Resp: 124526  
 Ion Ratio Lower Upper  
 122 100  
 107 145.3 100.2 150.2  
 121 62.6 44.4 66.6



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 44.805 ng  
 RT: 11.10 min Scan# 1330  
 Delta R.T. 0.00 min  
 Lab File: BG033637.D  
 Acq: 6 Apr 2018 20:42

Tgt Ion: 93 Resp: 173809  
 Ion Ratio Lower Upper  
 93 100  
 95 33.3 24.3 36.5  
 123 11.4 8.4 12.6

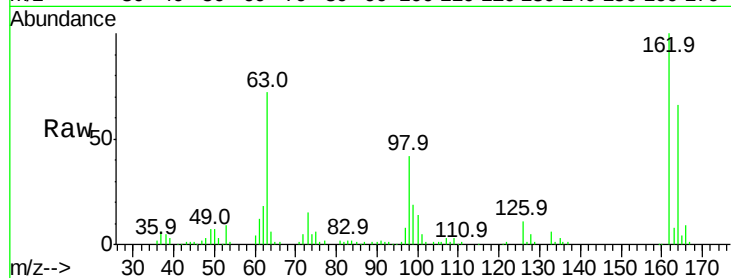




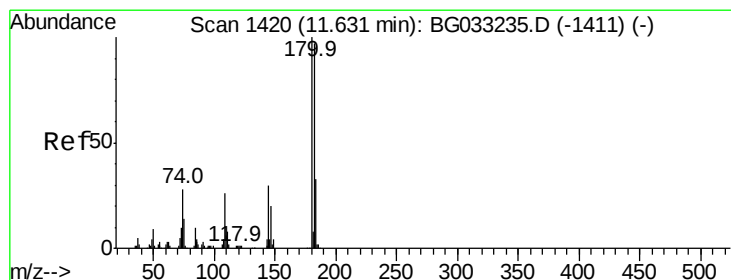
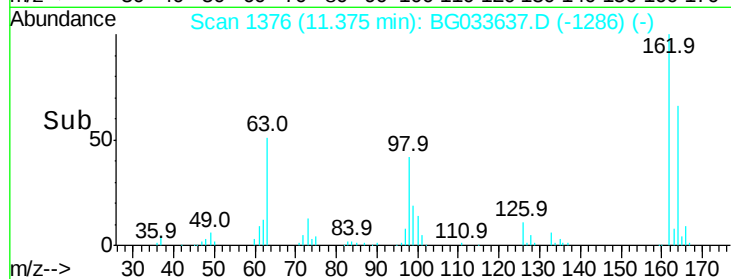
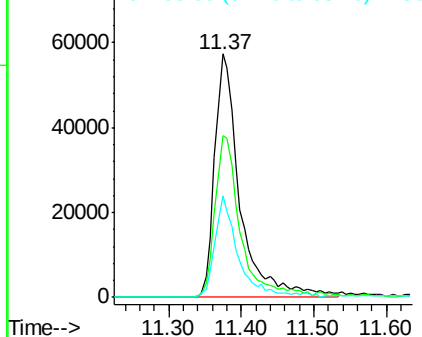
#29  
 2,4-Dichlorophenol  
 Concen: 48.184 ng  
 RT: 11.37 min Scan# 1376  
 Delta R.T. -0.00 min  
 Lab File: BG033637.D  
 Acq: 6 Apr 2018 20:42

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:162 Resp: 139742  
 Ion Ratio Lower Upper  
 162 100  
 164 66.3 48.0 88.0  
 98 41.6 21.1 61.1

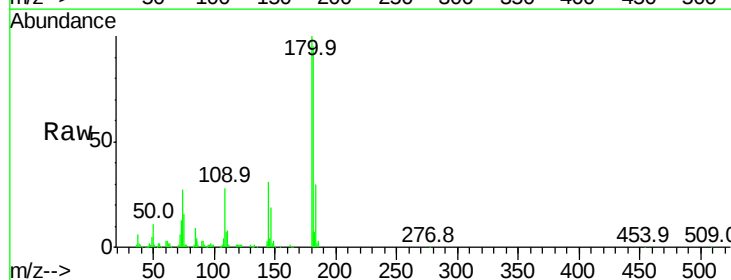


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): B

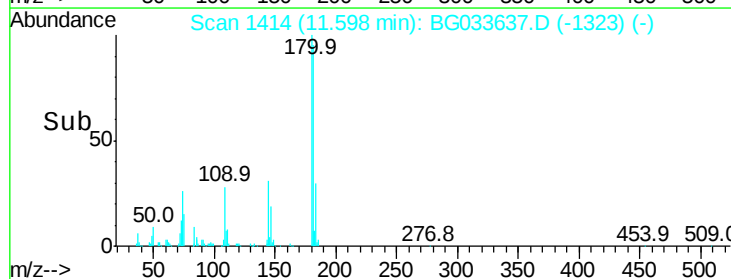
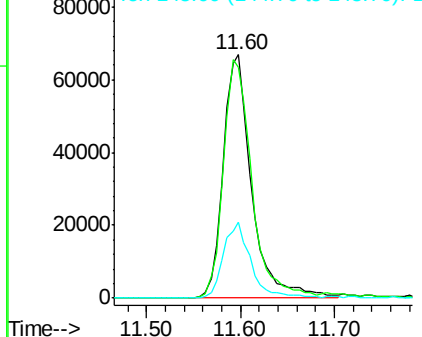


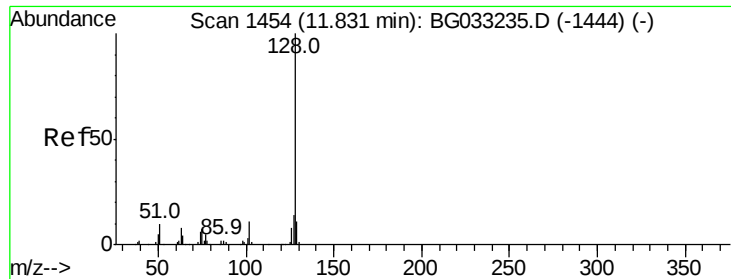
#30  
 1,2,4-Trichlorobenzene  
 Concen: 37.352 ng  
 RT: 11.60 min Scan# 1414  
 Delta R.T. 0.00 min  
 Lab File: BG033637.D  
 Acq: 6 Apr 2018 20:42

Tgt Ion:180 Resp: 140742  
 Ion Ratio Lower Upper  
 180 100  
 182 94.6 77.5 116.3  
 145 31.2 23.4 35.2



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

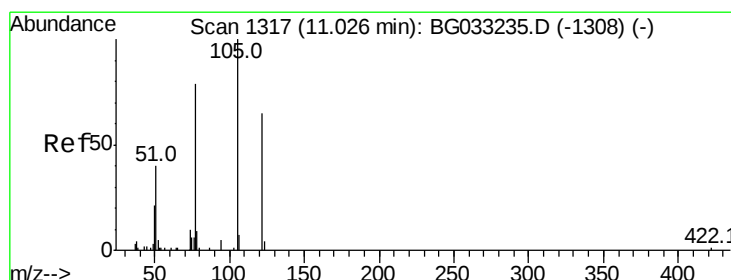
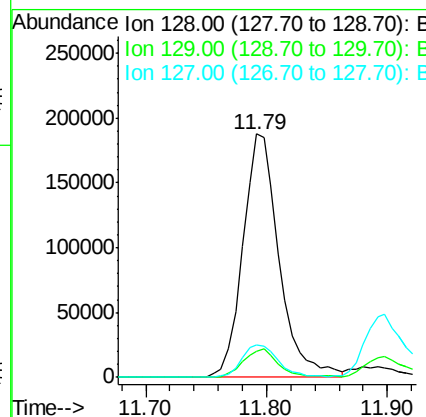
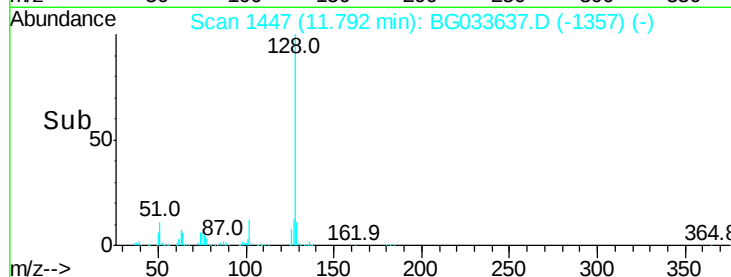
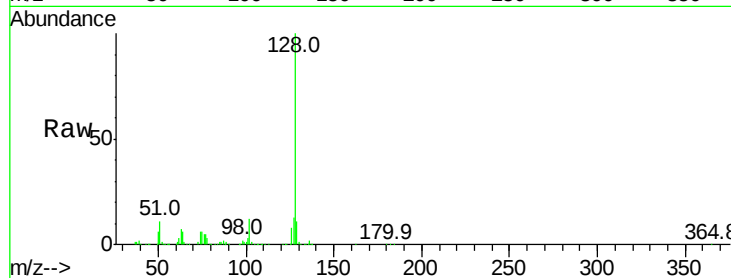




#31  
Naphthalene  
Concen: 41.054 ng  
RT: 11.79 min Scan# 1447  
Delta R.T. -0.00 min  
Lab File: BG033637.D  
Acq: 6 Apr 2018 20:42

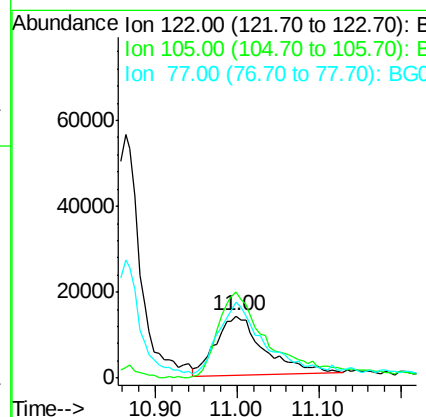
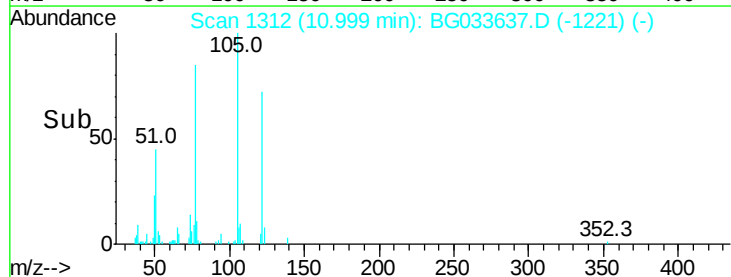
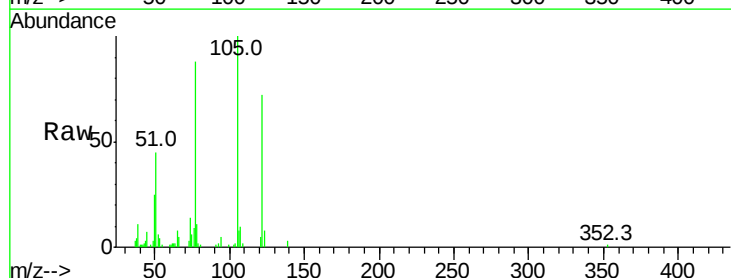
Instrument :  
BNA\_G  
ClientSampleId :

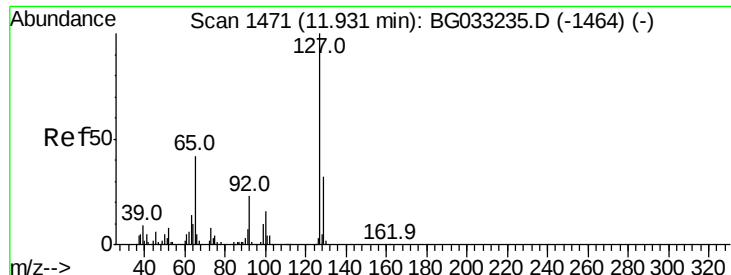
Tot Ion:128 Resp: 391555  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.6 12.8  
127 13.3 11.6 17.4



#32  
Benzoic acid  
Concen: 25.927 ng  
RT: 11.00 min Scan# 1312  
Delta R.T. 0.00 min  
Lab File: BG033637.D  
Acq: 6 Apr 2018 20:42

Tgt Ion:122 Resp: 56837  
Ion Ratio Lower Upper  
122 100  
105 139.0 123.5 163.5  
77 122.0 85.7 125.7

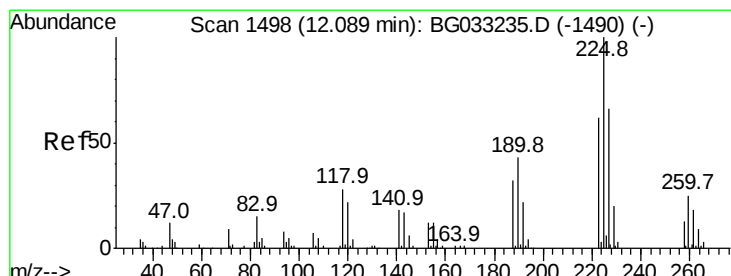
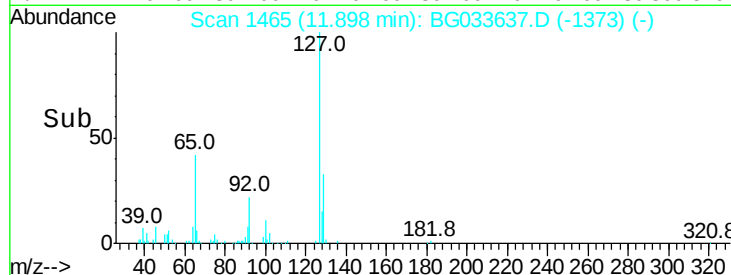
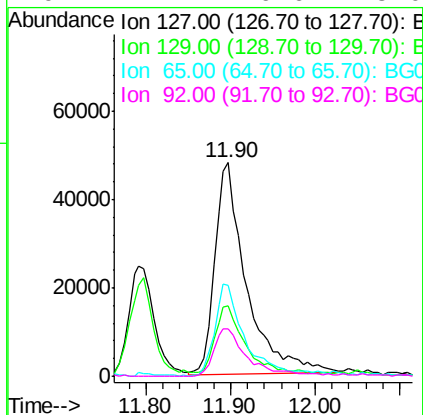
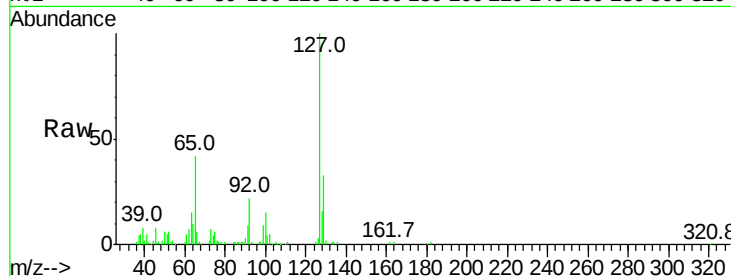




#33  
4-Chloroaniline  
Concen: 29.195 ng  
RT: 11.90 min Scan# 1465  
Delta R.T. 0.01 min  
Lab File: BG033637.D  
Acq: 6 Apr 2018 20:42

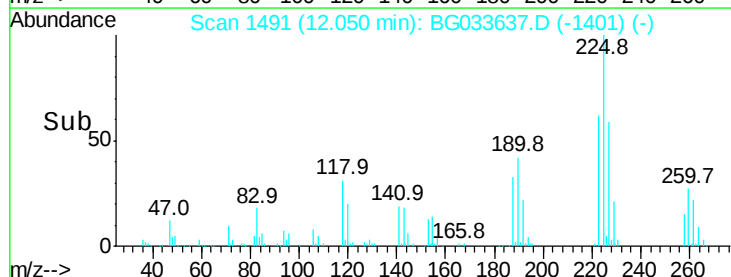
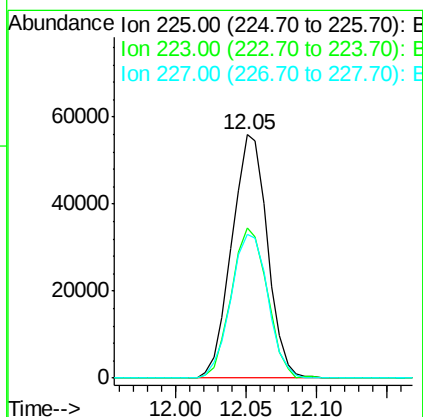
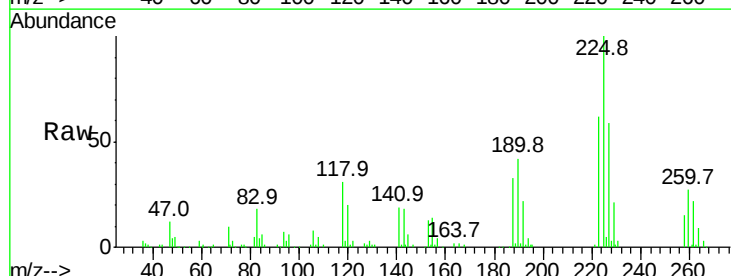
Instrument :  
BNA\_G  
ClientSampleId :

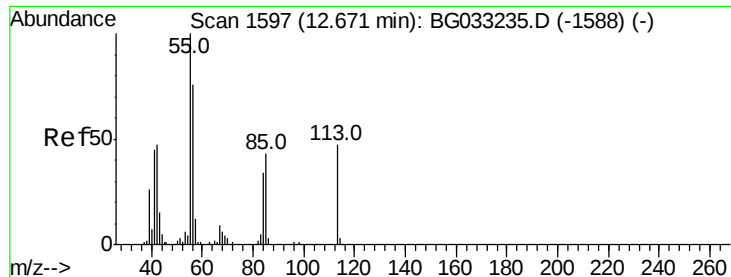
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 124752 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.1  | 24.0  | 36.0   |
| 65       | 42.5  | 27.0  | 40.4#  |
| 92       | 22.2  | 16.6  | 25.0   |



#34  
Hexachlorobutadiene  
Concen: 34.561 ng  
RT: 12.05 min Scan# 1491  
Delta R.T. -0.00 min  
Lab File: BG033637.D  
Acq: 6 Apr 2018 20:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 98480 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 61.6  | 49.7  | 74.5  |
| 227      | 59.0  | 48.1  | 72.1  |





#35

Caprolactam

Concen: 34.479 ng

RT: 12.63 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Instrument :

BNA\_G

ClientSampleId :

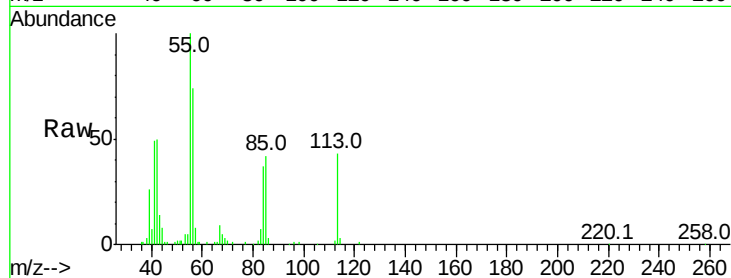
Tot Ion:113 Resp: 39174

Ion Ratio Lower Upper

113 100

55 231.0 186.9 226.9#

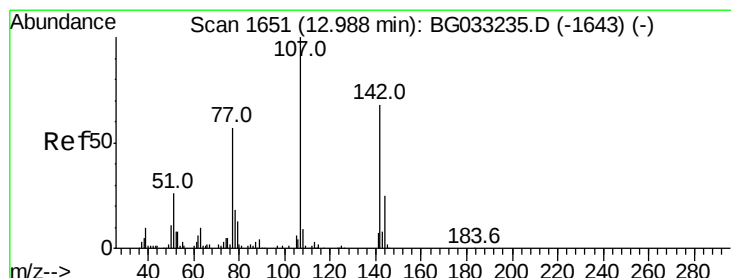
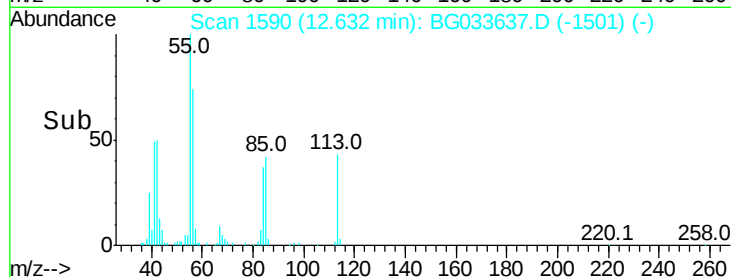
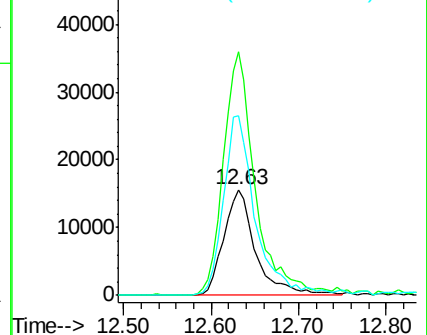
56 169.8 130.9 170.9



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 46.537 ng

RT: 12.96 min Scan# 1646

Delta R.T. 0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

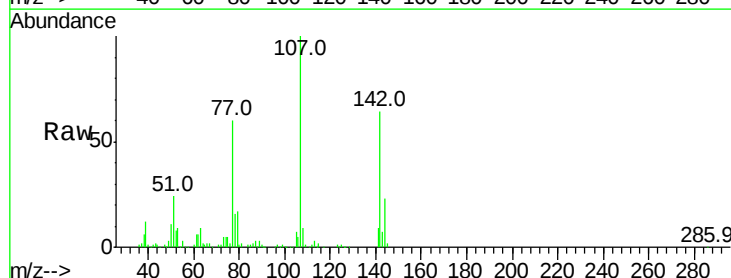
Tgt Ion:107 Resp: 176028

Ion Ratio Lower Upper

107 100

144 23.5 18.2 27.4

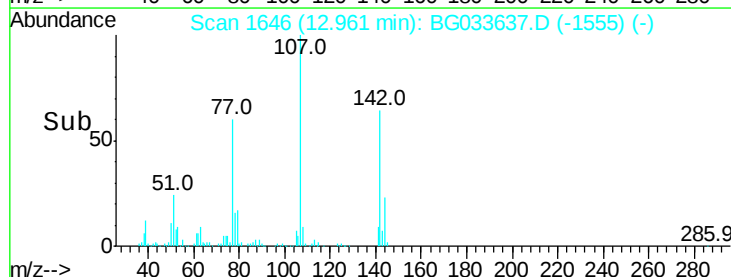
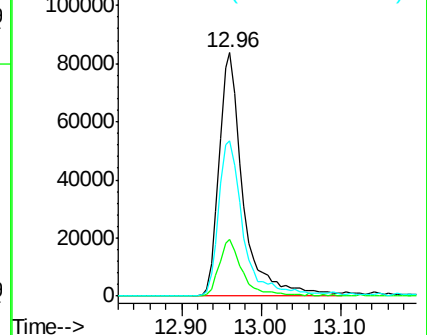
142 63.6 59.0 88.4

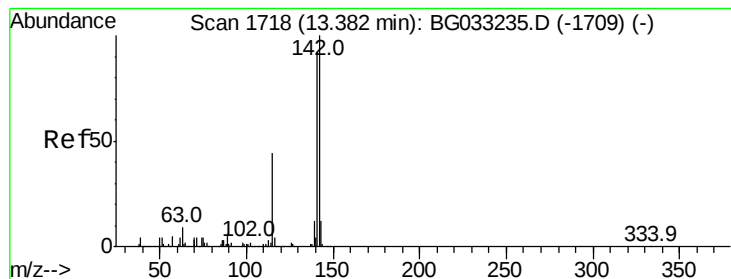


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 41.986 ng

RT: 13.34 min Scan# 1711

Delta R.T. -0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Instrument :

BNA\_G

ClientSampleId :

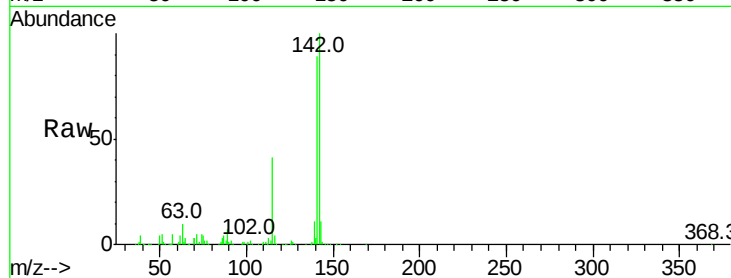
Tot Ion:142 Resp: 310813

Ion Ratio Lower Upper

142 100

141 89.5 67.1 100.7

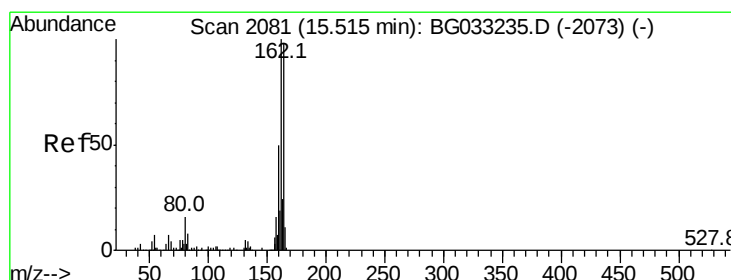
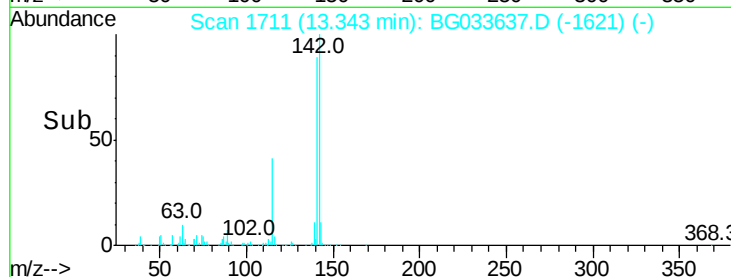
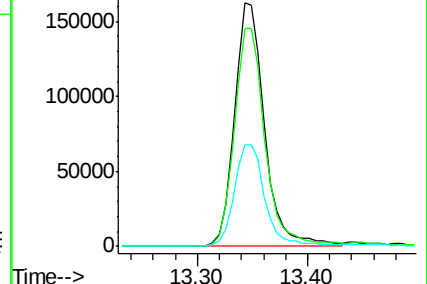
115 41.4 30.7 46.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.48 min Scan# 2075

Delta R.T. 0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

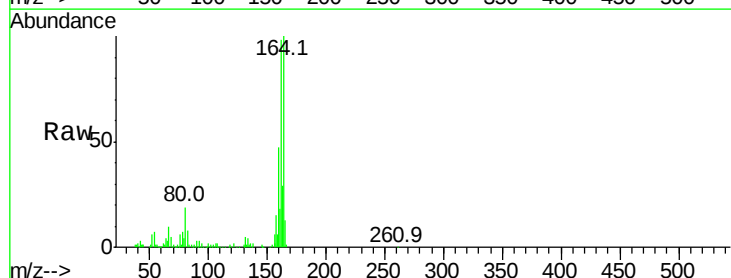
Tgt Ion:164 Resp: 134192

Ion Ratio Lower Upper

164 100

162 98.0 78.8 118.2

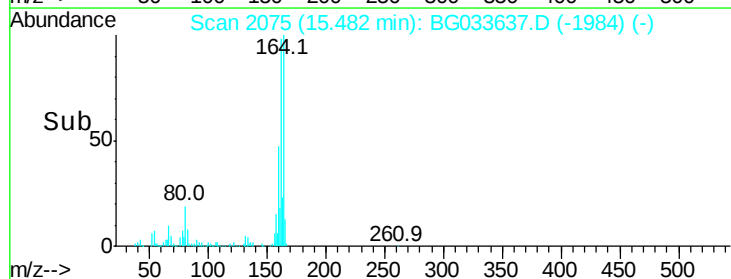
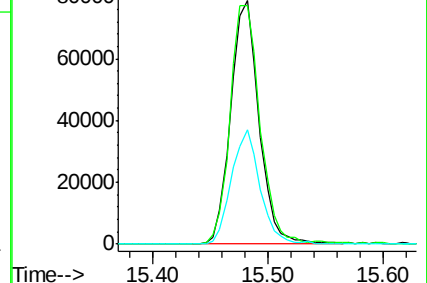
160 47.0 35.4 53.0

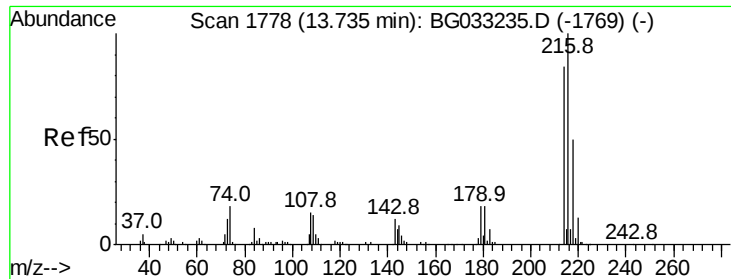


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 40.352 ng

RT: 13.70 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:216 Resp: 196141

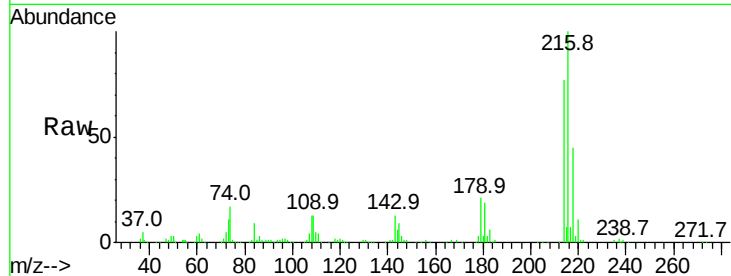
Ion Ratio Lower Upper

216 100

214 79.6 63.0 94.4

179 20.7 17.0 25.6

108 17.8 12.8 19.2

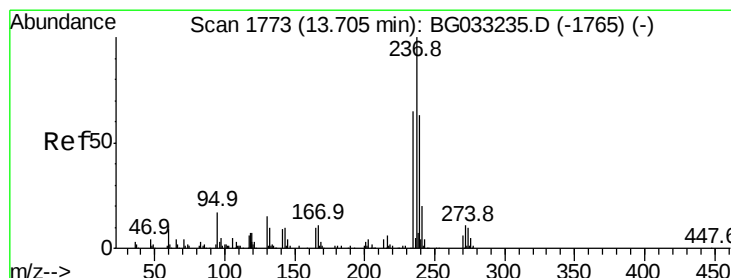
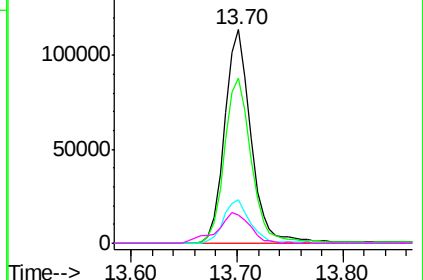
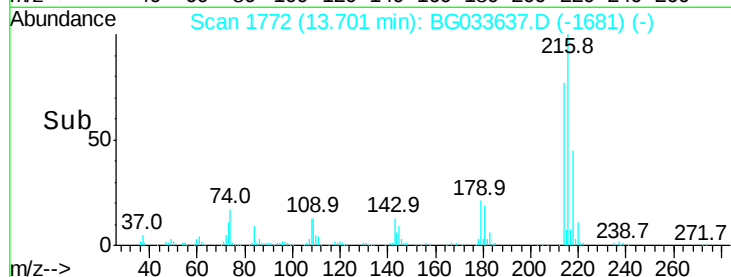


Abundance Ion 216.00 (215.70 to 216.70): E

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



#40

Hexachlorocyclopentadiene

Concen: 68.549 ng

RT: 13.67 min Scan# 1767

Delta R.T. 0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

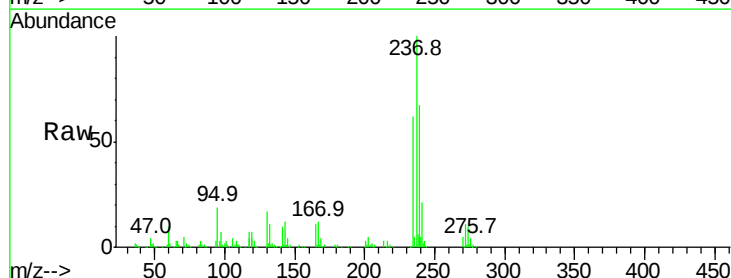
Tgt Ion:237 Resp: 195332

Ion Ratio Lower Upper

237 100

235 62.2 50.4 90.4

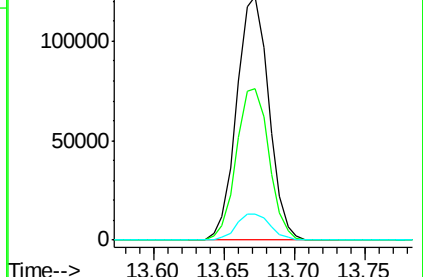
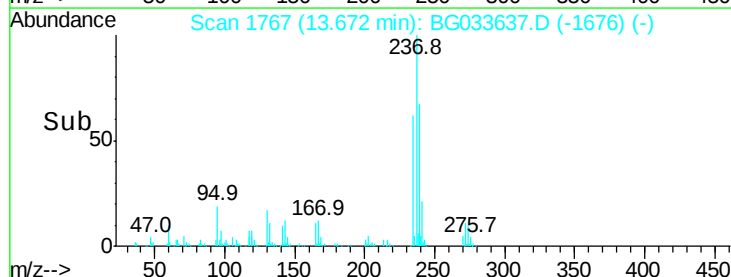
272 10.6 0.0 31.8

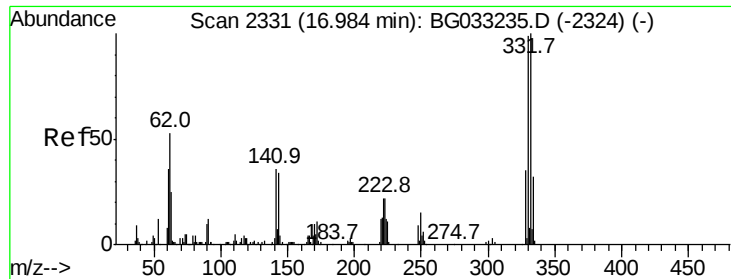


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

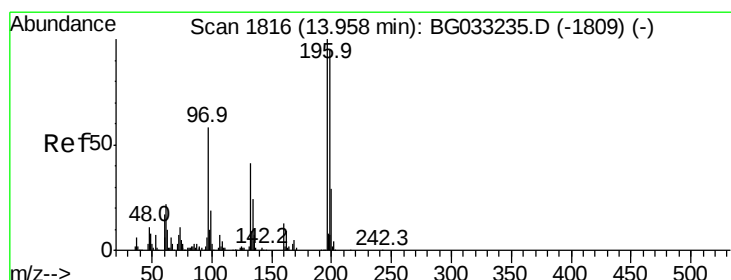
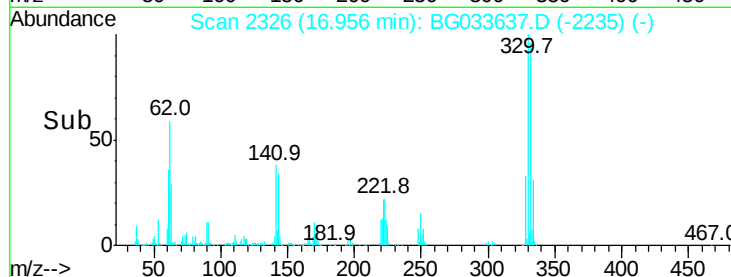
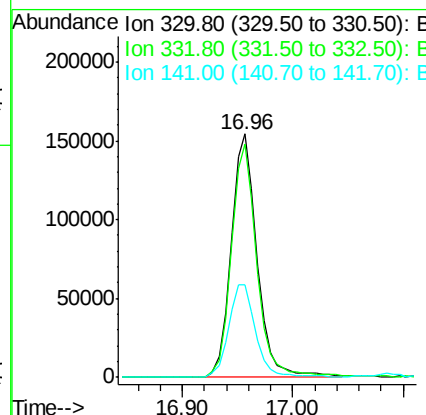
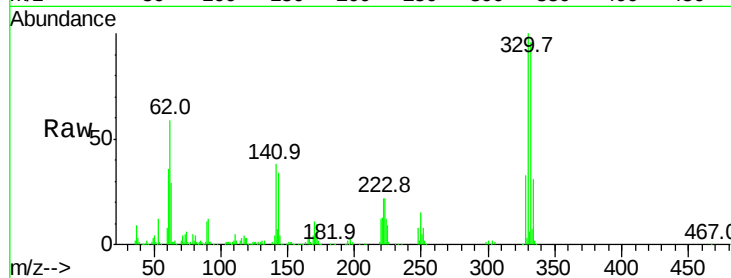




#41  
 2,4,6-Tribromophenol  
 Concen: 126.714 ng  
 RT: 16.96 min Scan# 2326  
 Delta R.T. 0.00 min  
 Lab File: BG033637.D  
 Acq: 6 Apr 2018 20:42

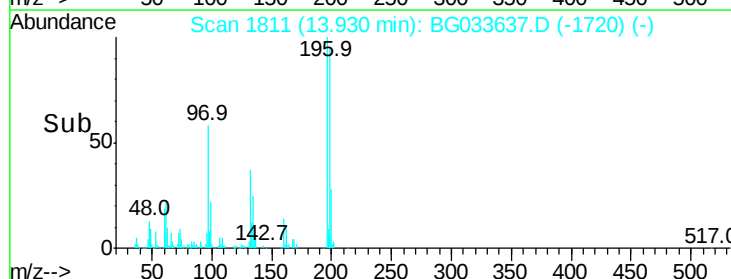
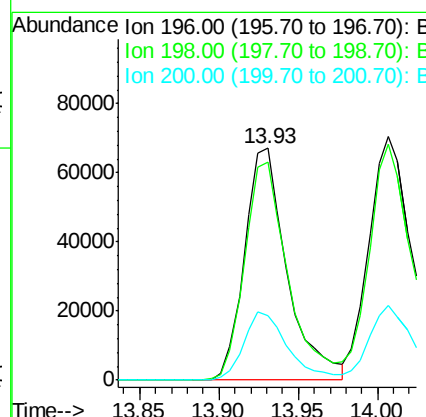
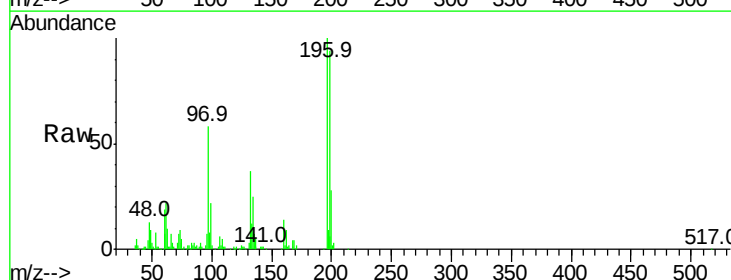
Instrument :  
 BNA\_G  
 ClientSampleId :

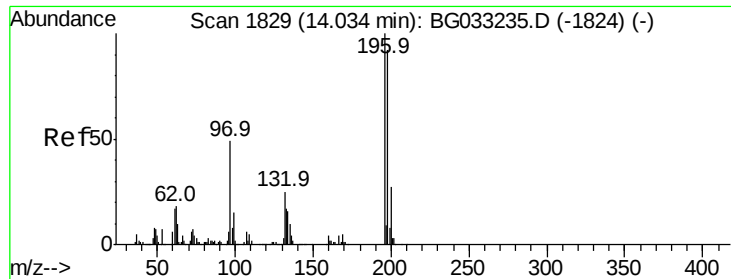
Tot Ion:330 Resp: 254315  
 Ion Ratio Lower Upper  
 330 100  
 332 95.4 77.0 115.6  
 141 40.0 25.2 37.8#



#42  
 2,4,6-Trichlorophenol  
 Concen: 44.365 ng  
 RT: 13.93 min Scan# 1811  
 Delta R.T. 0.00 min  
 Lab File: BG033637.D  
 Acq: 6 Apr 2018 20:42

Tgt Ion:196 Resp: 125294  
 Ion Ratio Lower Upper  
 196 100  
 198 94.0 78.2 117.2  
 200 27.9 24.6 36.8

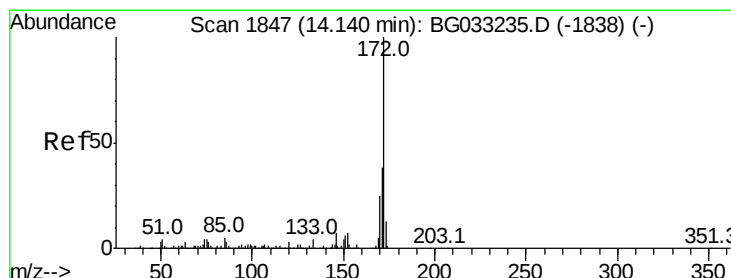
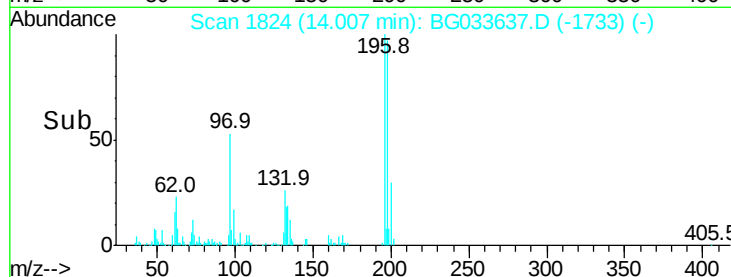
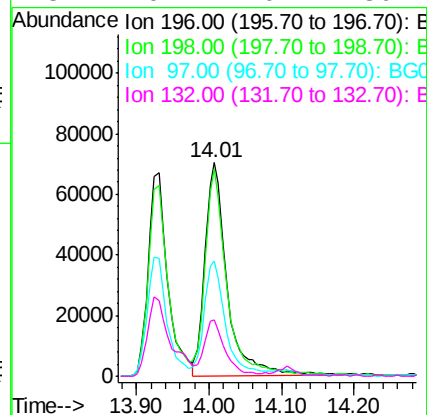
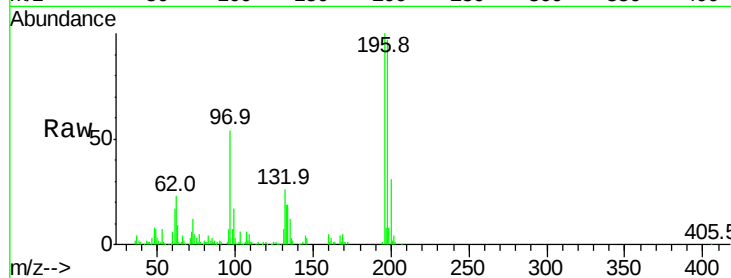




#43  
 2,4,5-Trichlorophenol  
 Concen: 44.246 ng  
 RT: 14.01 min Scan# 1824  
 Delta R.T. 0.00 min  
 Lab File: BG033637.D  
 Acq: 6 Apr 2018 20:42

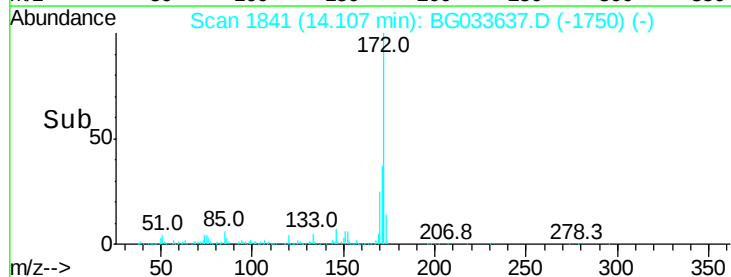
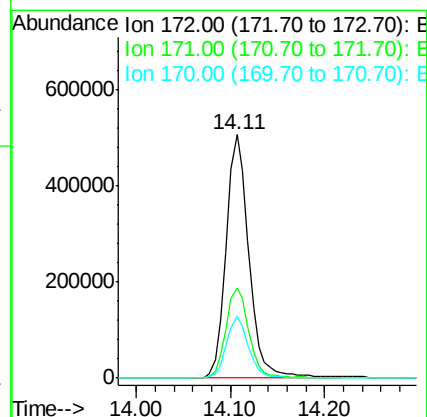
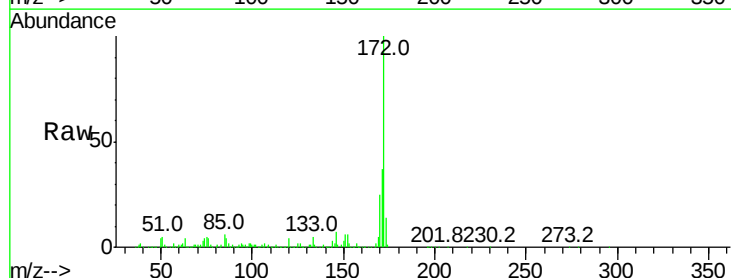
Instrument :  
 BNA\_G  
 ClientSampleId :

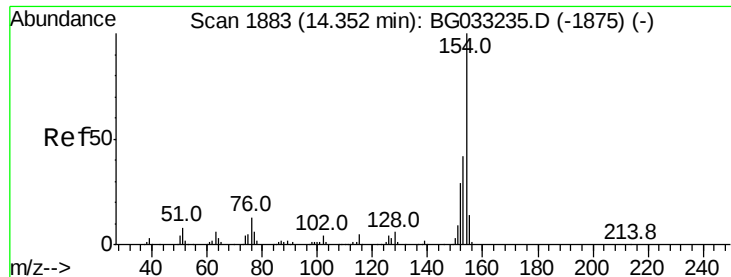
Tot Ion:196 Resp: 147699  
 Ion Ratio Lower Upper  
 196 100  
 198 97.0 76.2 114.4  
 97 53.8 38.7 58.1  
 132 26.2 20.2 30.2



#44  
 2-Fluorobiphenyl  
 Concen: 92.422 ng  
 RT: 14.11 min Scan# 1841  
 Delta R.T. 0.00 min  
 Lab File: BG033637.D  
 Acq: 6 Apr 2018 20:42

Tgt Ion:172 Resp: 859099  
 Ion Ratio Lower Upper  
 172 100  
 171 37.2 30.0 45.0  
 170 25.4 19.5 29.3

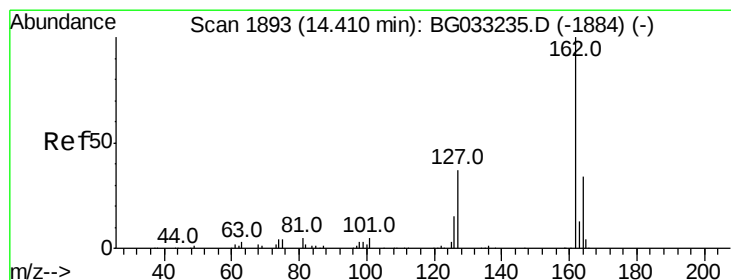
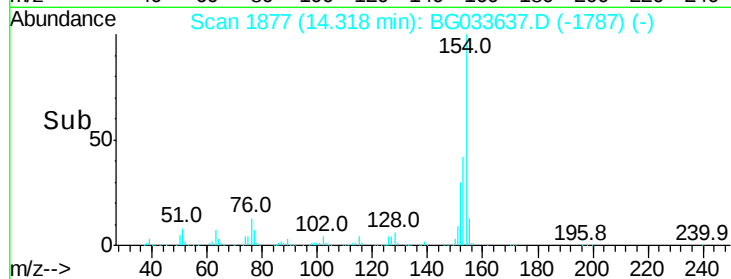
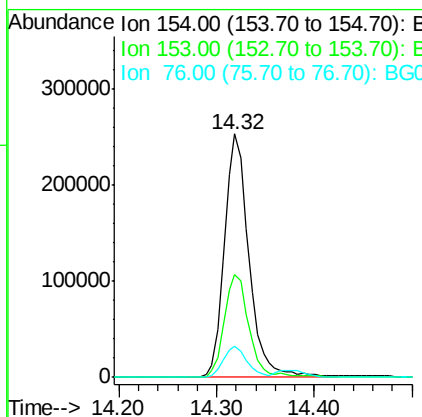
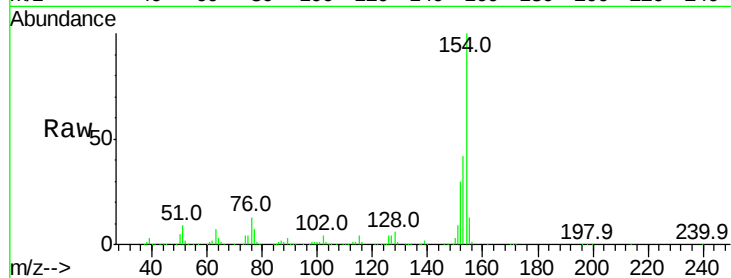




#45  
 1,1'-Biphenyl  
 Concen: 42.827 ng  
 RT: 14.32 min Scan# 1877  
 Delta R.T. -0.00 min  
 Lab File: BG033637.D  
 Acq: 6 Apr 2018 20:42

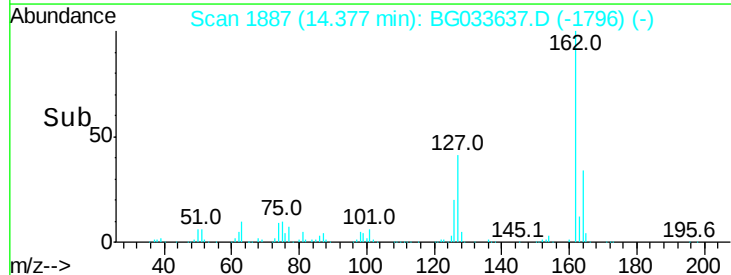
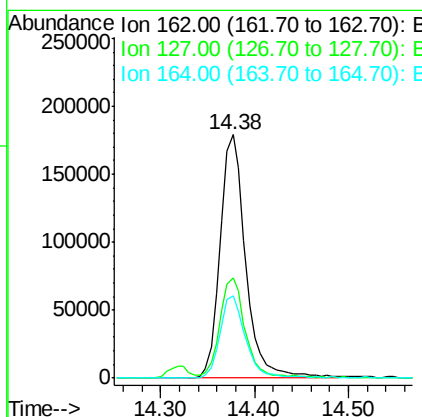
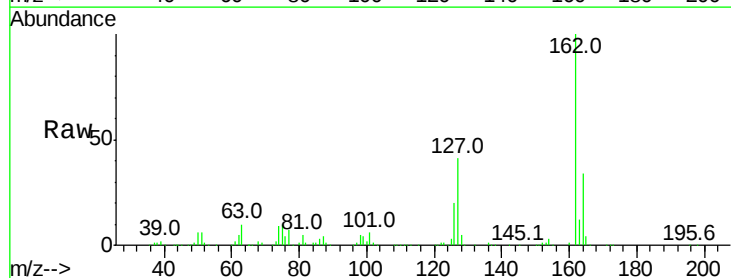
Instrument :  
 BNA\_G  
 ClientSampleId :

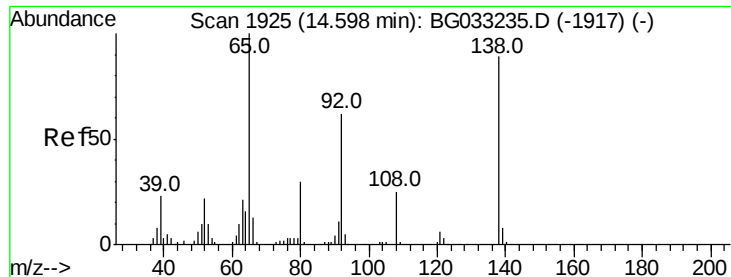
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.2  | 19.8  | 59.8  |
| 76      | 12.8  | 0.0   | 31.9  |



#46  
 2-Chloronaphthalene  
 Concen: 42.828 ng  
 RT: 14.38 min Scan# 1887  
 Delta R.T. 0.00 min  
 Lab File: BG033637.D  
 Acq: 6 Apr 2018 20:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 41.3  | 30.7  | 46.1  |
| 164     | 34.1  | 26.0  | 39.0  |





#47

2-Nitroaniline

Concen: 47.816 ng

RT: 14.57 min Scan# 1919

Delta R.T. -0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Instrument :

BNA\_G

ClientSampleId :

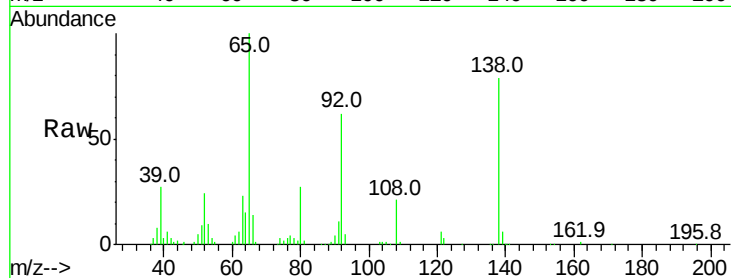
Tot Ion: 65 Resp: 142368

Ion Ratio Lower Upper

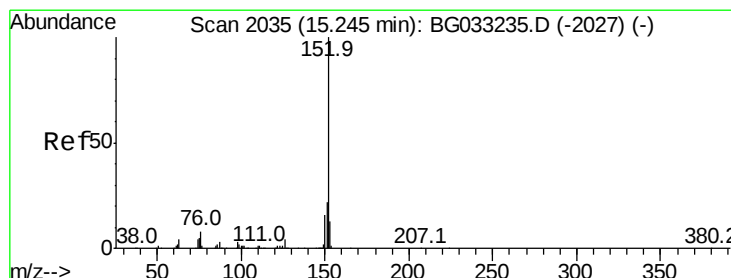
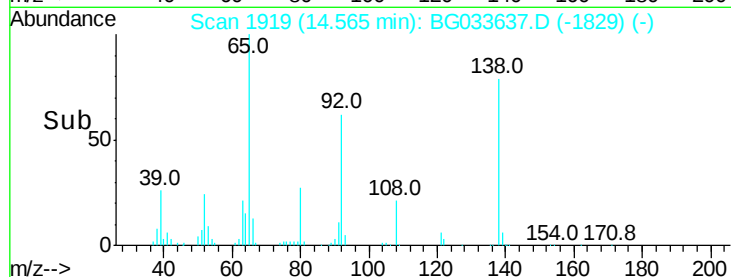
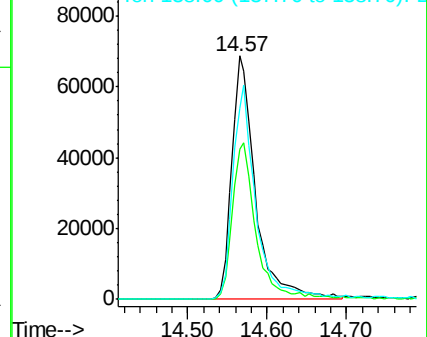
65 100

92 61.6 54.6 82.0

138 78.7 72.9 109.3



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



#48

Acenaphthylene

Concen: 42.847 ng

RT: 15.21 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

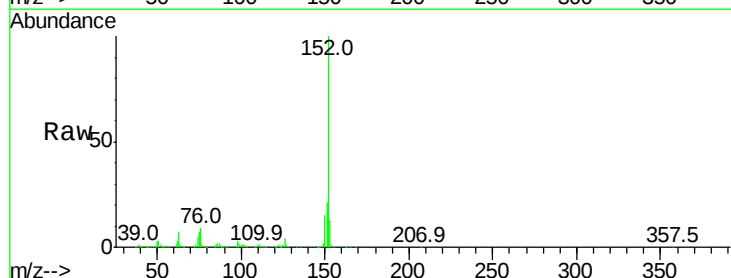
Tgt Ion: 152 Resp: 568525

Ion Ratio Lower Upper

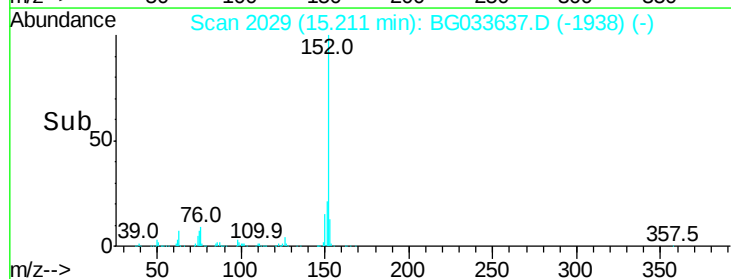
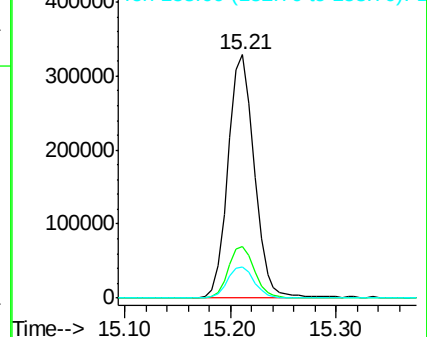
152 100

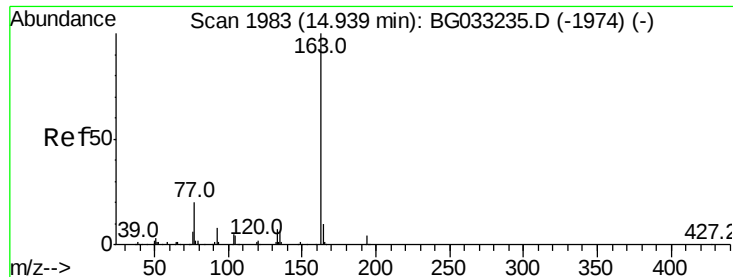
151 21.4 17.2 25.8

153 12.6 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): BGC  
Ion 151.00 (150.70 to 151.70): BGC  
Ion 153.00 (152.70 to 153.70): BGC





#49

Dimethylphthalate

Concen: 41.917 ng

RT: 14.91 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Instrument :

BNA\_G

ClientSampleId :

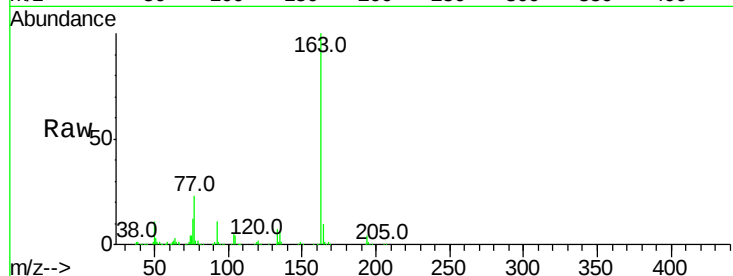
Tot Ion:163 Resp: 489523

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

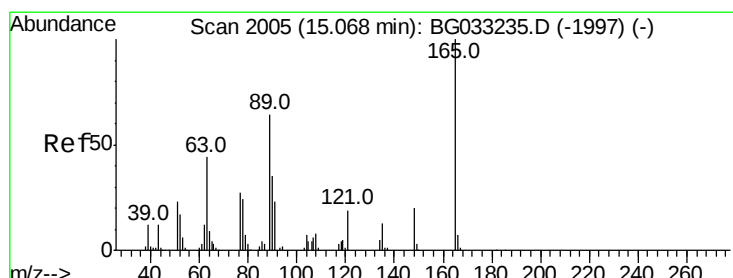
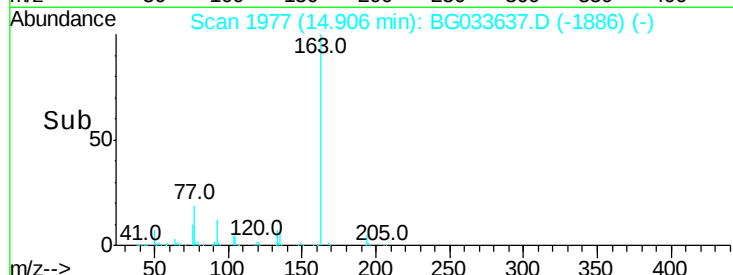
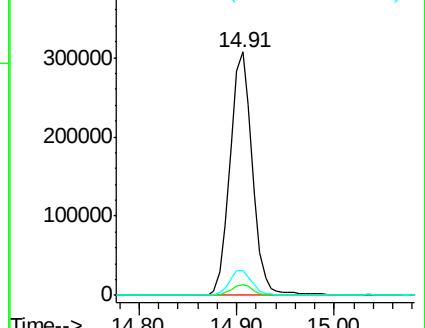
164 10.1 8.2 12.4



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: 43.768 ng

RT: 15.04 min Scan# 1999

Delta R.T. -0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

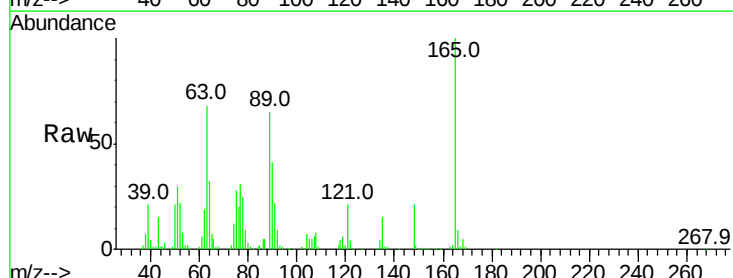
Tgt Ion:165 Resp: 104514

Ion Ratio Lower Upper

165 100

63 68.4 52.7 79.1

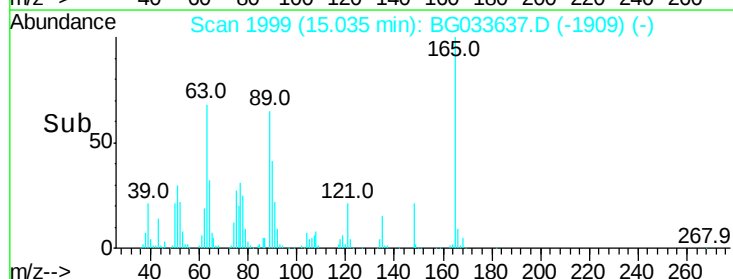
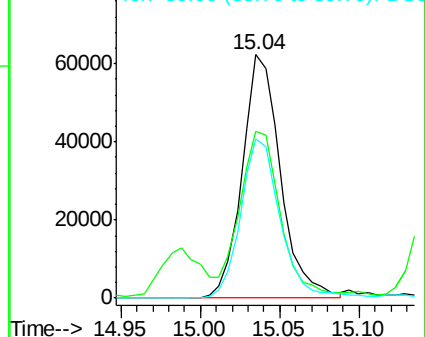
89 65.4 49.2 73.8

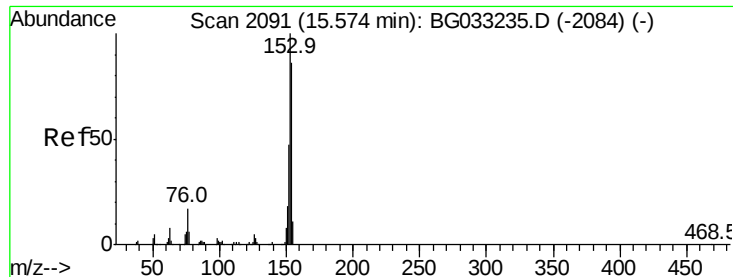


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 47.317 ng

RT: 15.55 min Scan# 2086

Delta R.T. 0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Instrument :

BNA\_G

ClientSampleId :

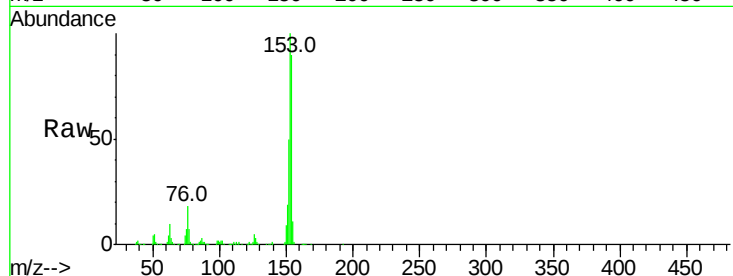
Tot Ion:154 Resp: 404728

Ion Ratio Lower Upper

154 100

153 111.3 90.4 135.6

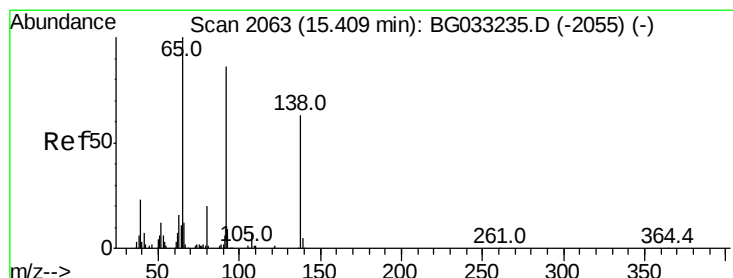
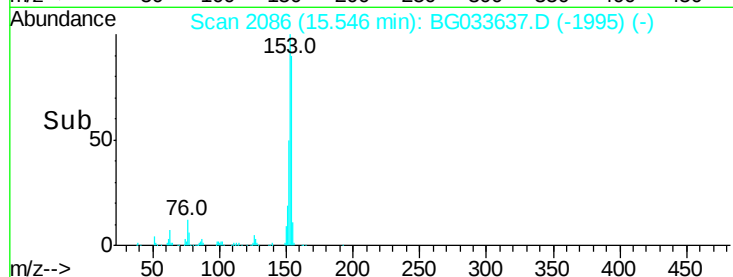
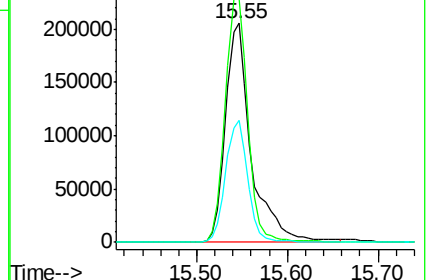
152 55.8 41.6 62.4



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: 39.203 ng

RT: 15.38 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

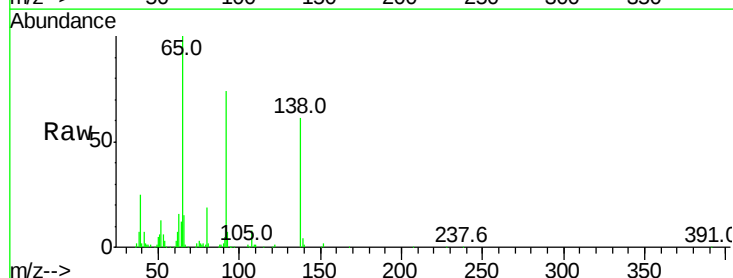
Tgt Ion:138 Resp: 98143

Ion Ratio Lower Upper

138 100

108 13.0 17.5 26.3#

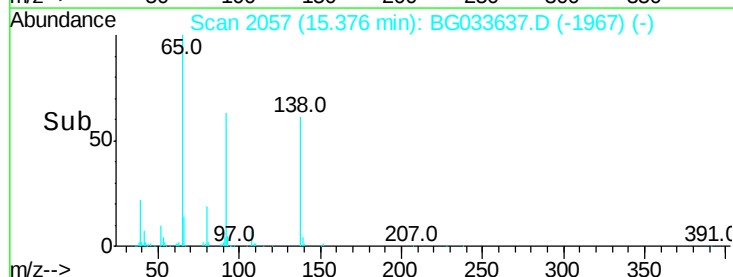
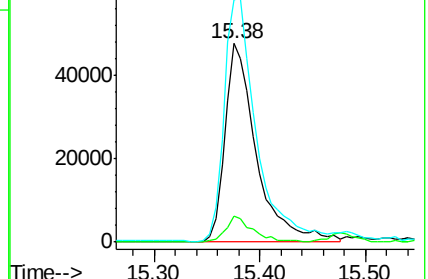
92 122.2 105.8 158.8

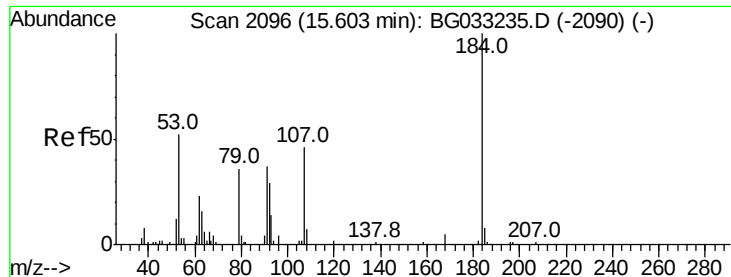


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

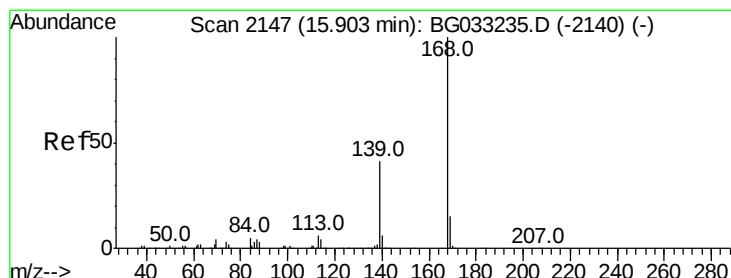
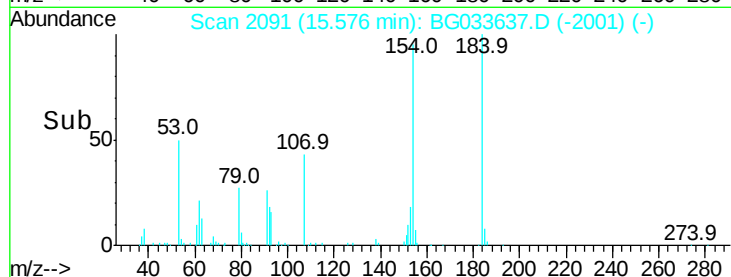
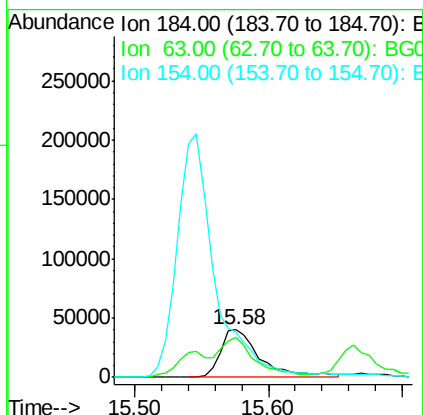
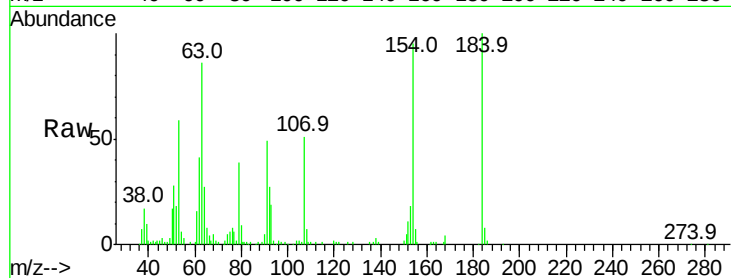




#53  
2,4-Dinitrophenol  
Concen: 68.965 ng  
RT: 15.58 min Scan# 2091  
Delta R.T. -0.00 min  
Lab File: BG033637.D  
Acq: 6 Apr 2018 20:42

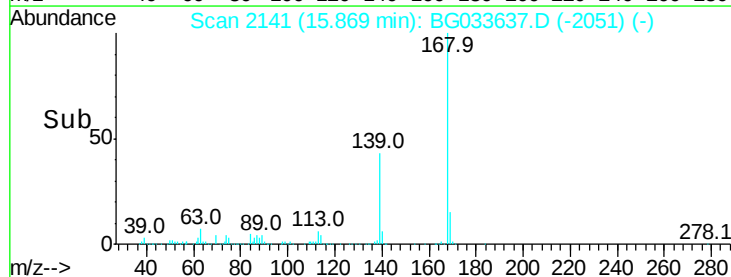
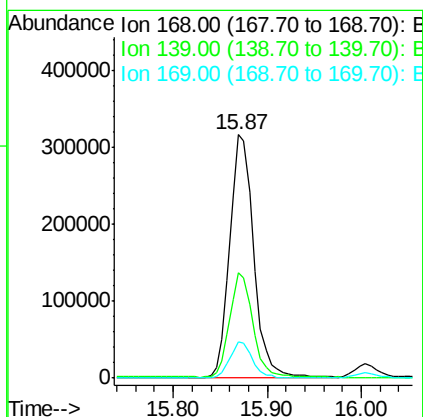
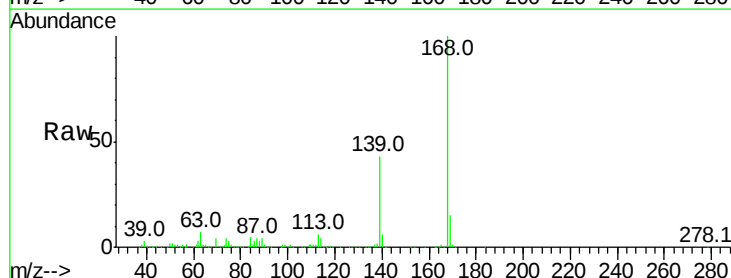
Instrument :  
BNA\_G  
ClientSampleId :

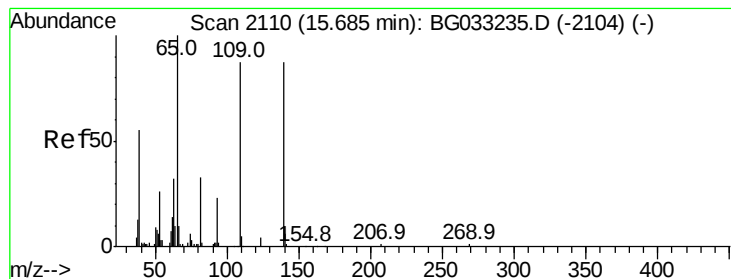
Tot Ion:184 Resp: 83840  
Ion Ratio Lower Upper  
184 100  
63 85.9 59.8 89.8  
154 95.1 101.8 152.8#



#54  
Dibenzofuran  
Concen: 44.730 ng  
RT: 15.87 min Scan# 2141  
Delta R.T. -0.00 min  
Lab File: BG033637.D  
Acq: 6 Apr 2018 20:42

Tgt Ion:168 Resp: 565154  
Ion Ratio Lower Upper  
168 100  
139 43.1 28.6 43.0#  
169 14.9 11.2 16.8





#55

4-Nitrophenol

Concen: 76.366 ng

RT: 15.66 min Scan# 2106

Delta R.T. -0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Instrument :

BNA\_G

ClientSampleId :

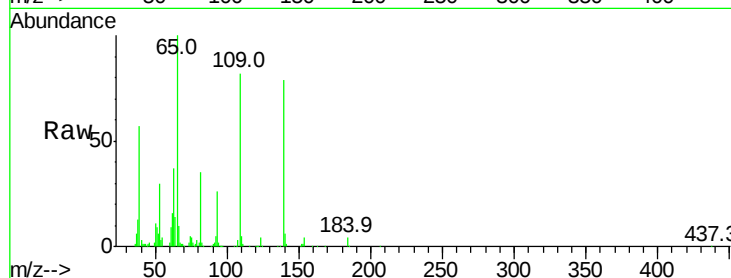
Tot Ion:139 Resp: 134432

Ion Ratio Lower Upper

139 100

109 104.0 62.2 102.2#

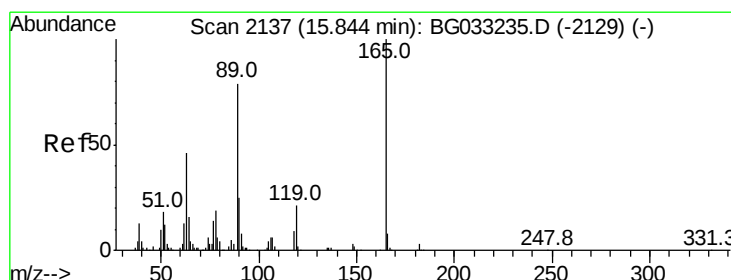
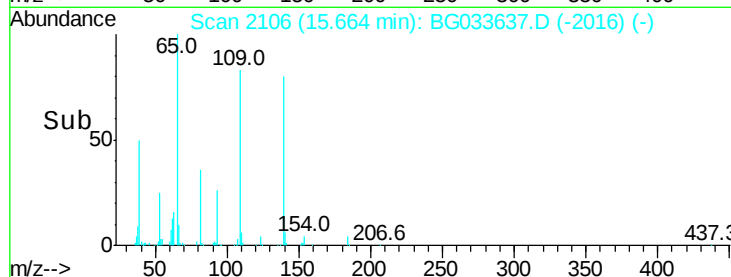
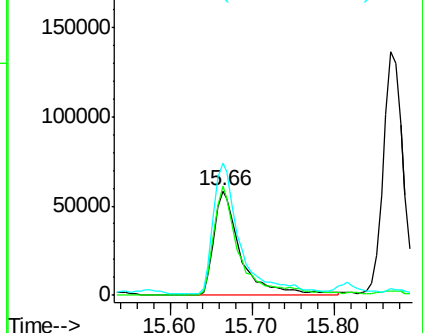
65 127.0 97.2 137.2



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#56

2,4-Dinitrotoluene

Concen: 44.290 ng

RT: 15.82 min Scan# 2132

Delta R.T. 0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Tgt Ion:165 Resp: 155722

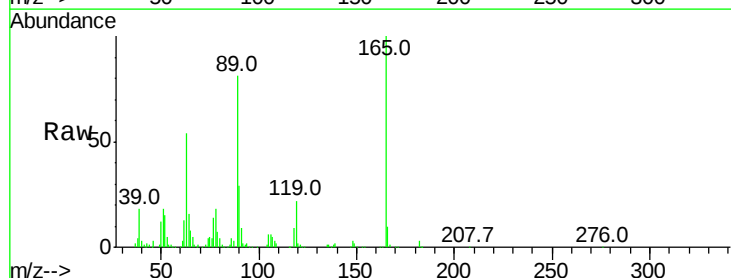
Ion Ratio Lower Upper

165 100

63 54.1 42.0 63.0

89 81.4 66.9 100.3

182 2.6 2.6 3.8#

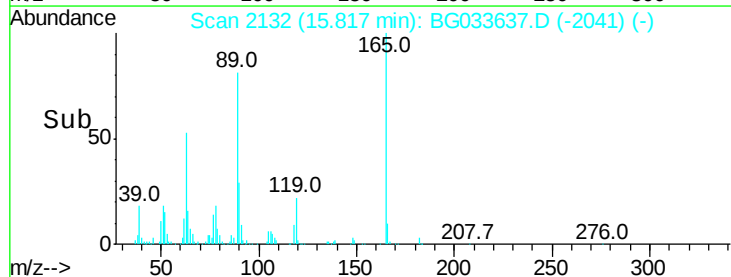
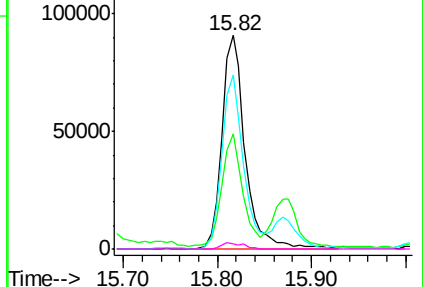


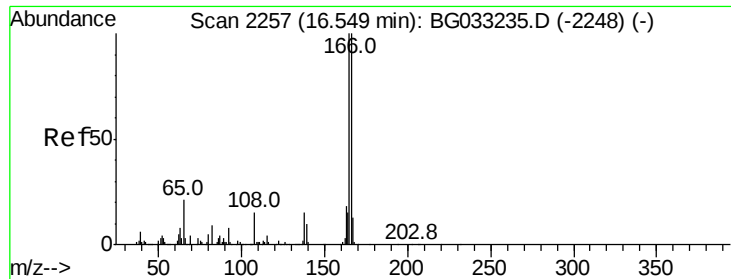
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 43.771 ng

RT: 16.52 min Scan# 2251

Delta R.T. 0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Instrument :

BNA\_G

ClientSampleId :

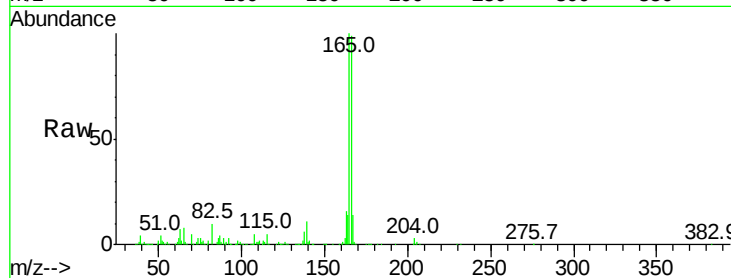
Tot Ion:166 Resp: 471149

Ion Ratio Lower Upper

166 100

165 100.7 80.6 121.0

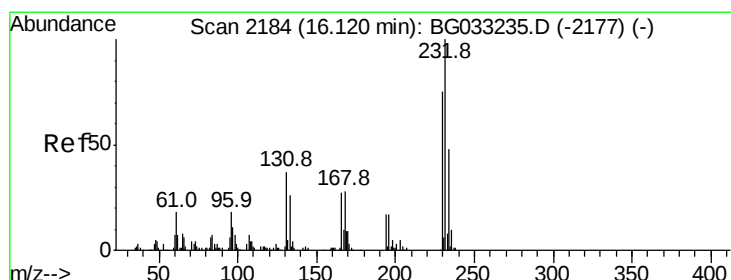
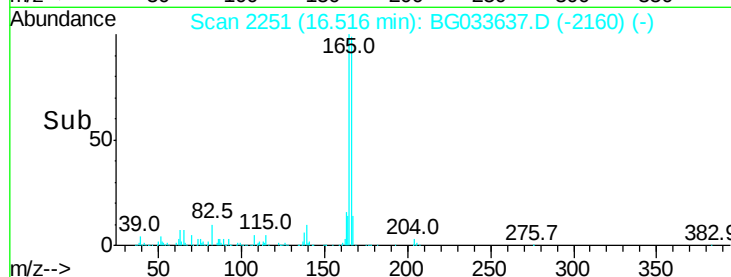
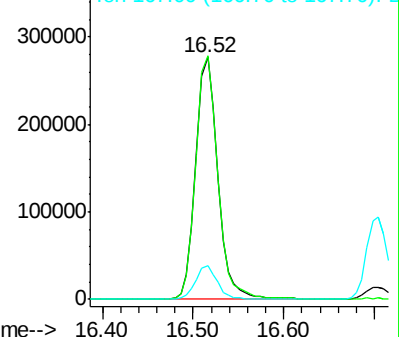
167 13.9 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 43.198 ng

RT: 16.09 min Scan# 2178

Delta R.T. 0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Tgt Ion:232 Resp: 135751

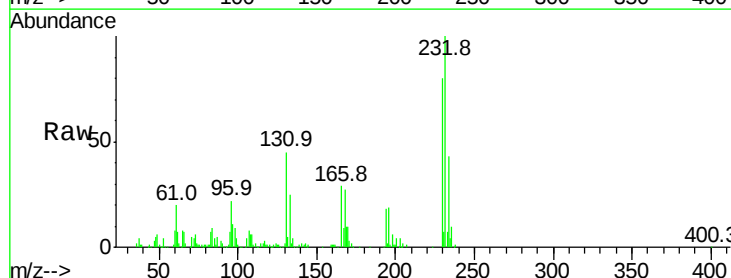
Ion Ratio Lower Upper

232 100

131 44.9 33.5 50.3

130 2.7 2.2 3.2

166 29.8 24.8 37.2

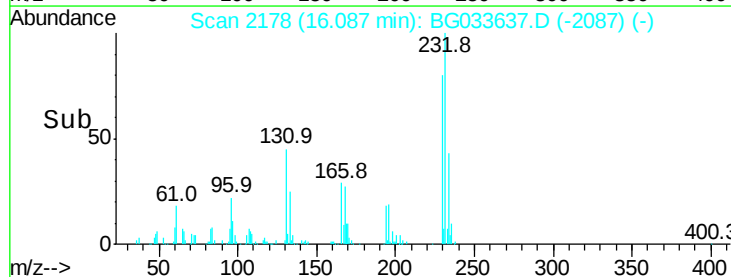
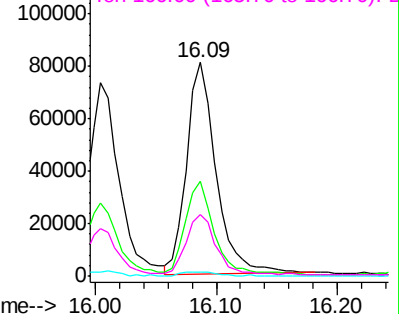


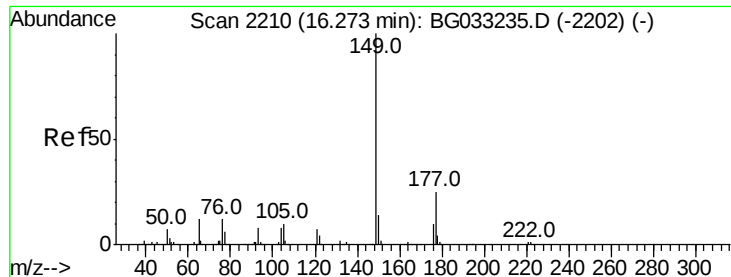
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

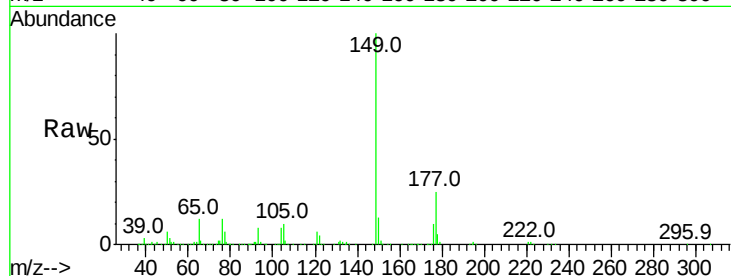




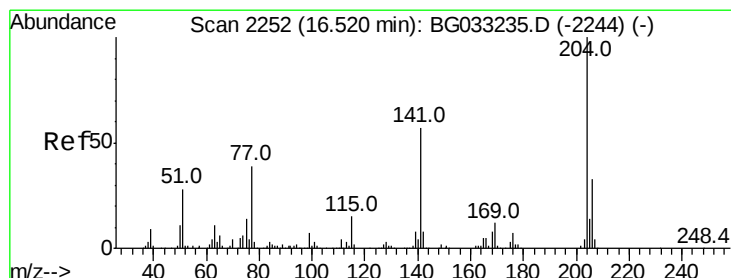
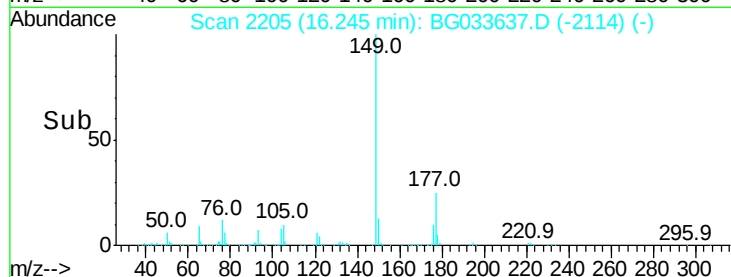
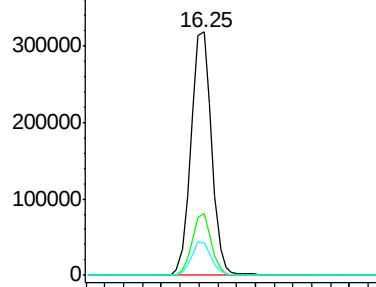
#59  
Diethylphthalate  
Concen: 43.125 ng  
RT: 16.25 min Scan# 2205  
Delta R.T. 0.00 min  
Lab File: BG033637.D  
Acq: 6 Apr 2018 20:42

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 25.4  | 18.5  | 27.7  |
| 150     | 13.4  | 10.2  | 15.2  |

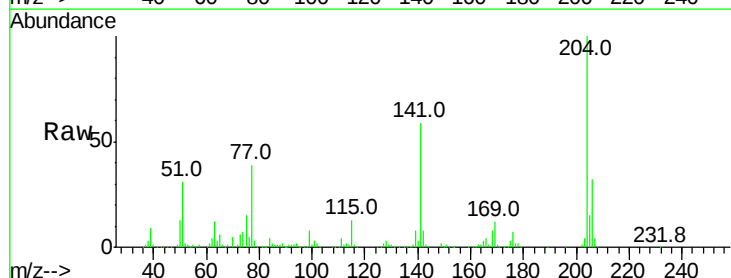


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

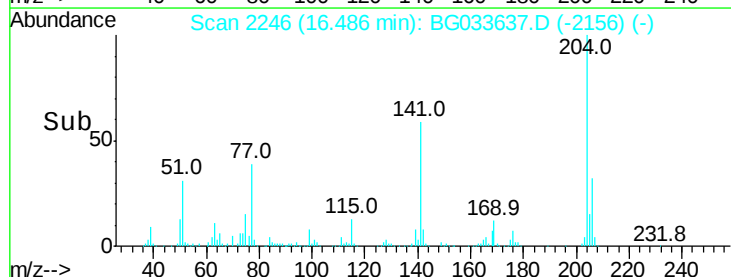
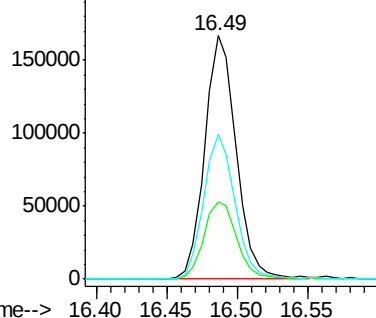


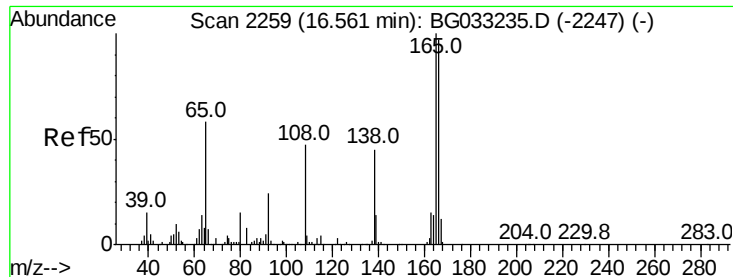
#60  
4-Chlorophenyl-phenylether  
Concen: 41.780 ng  
RT: 16.49 min Scan# 2246  
Delta R.T. -0.00 min  
Lab File: BG033637.D  
Acq: 6 Apr 2018 20:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.0  | 26.2  | 39.2  |
| 141     | 59.4  | 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

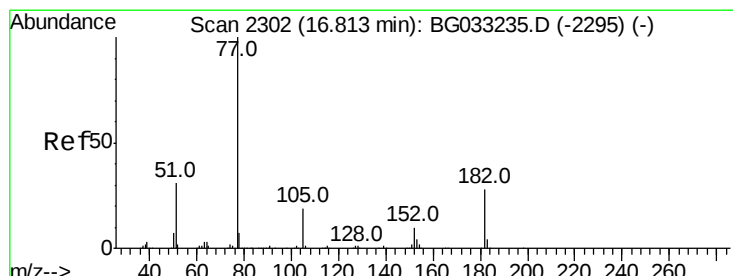
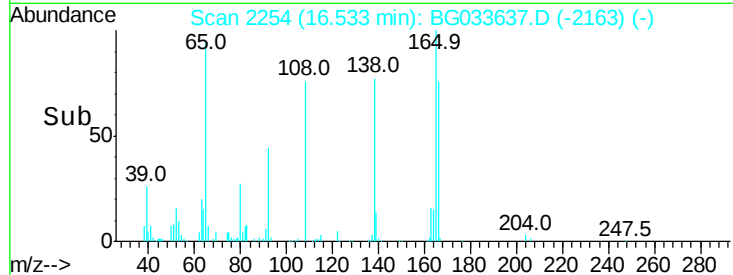
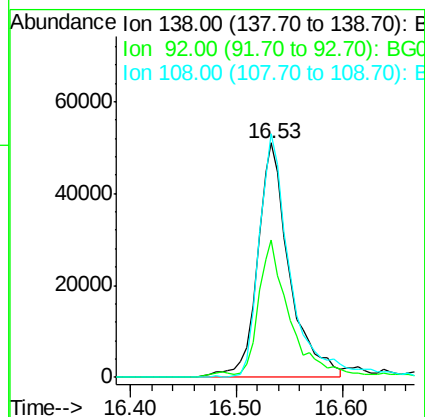
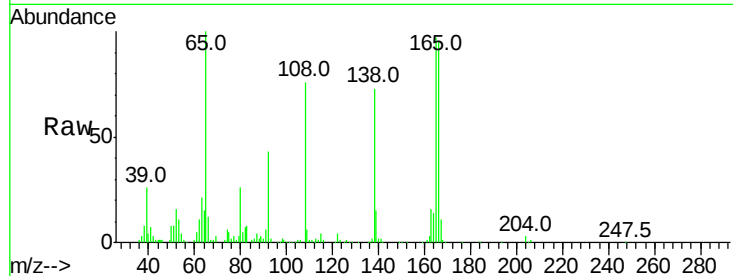




#61  
4-Nitroaniline  
Concen: 42.275 ng  
RT: 16.53 min Scan# 2254  
Delta R.T. 0.00 min  
Lab File: BG033637.D  
Acq: 6 Apr 2018 20:42

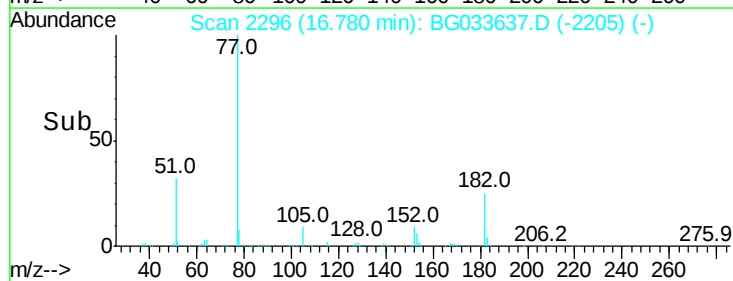
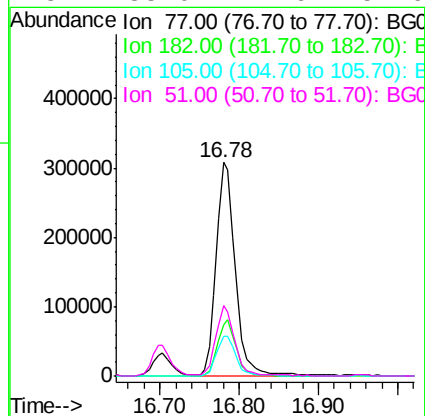
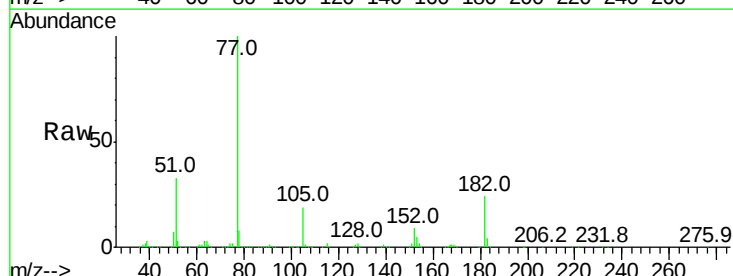
Instrument :  
BNA\_G  
ClientSampleId :

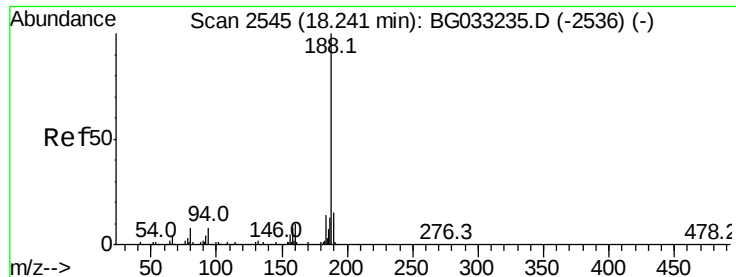
Tot Ion:138 Resp: 107175  
Ion Ratio Lower Upper  
138 100  
92 58.5 40.1 80.1  
108 103.8 65.4 105.4



#62  
Azobenzene  
Concen: 46.466 ng  
RT: 16.78 min Scan# 2296  
Delta R.T. 0.00 min  
Lab File: BG033637.D  
Acq: 6 Apr 2018 20:42

Tgt Ion: 77 Resp: 510432  
Ion Ratio Lower Upper  
77 100  
182 23.9 7.4 47.4  
105 18.6 0.3 40.3  
51 33.0 11.6 51.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.21 min Scan# 2539

Delta R.T. -0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Instrument :

BNA\_G

ClientSampled :

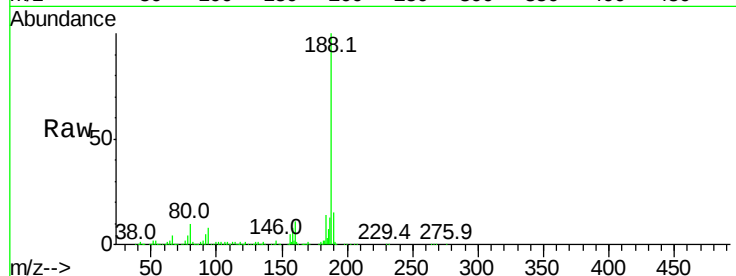
Tot Ion:188 Resp: 334131

Ion Ratio Lower Upper

188 100

94 7.7 6.9 10.3

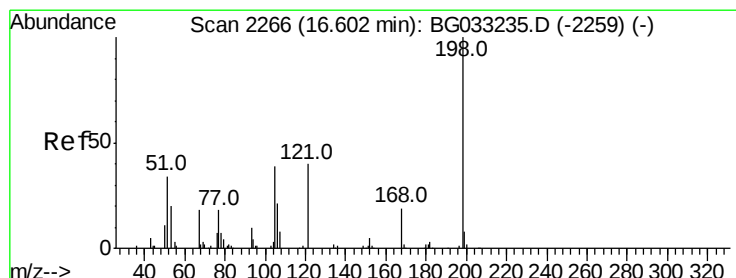
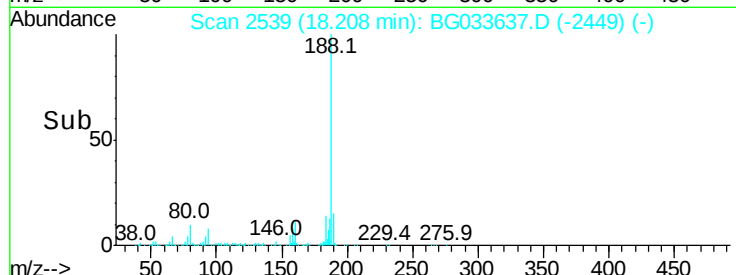
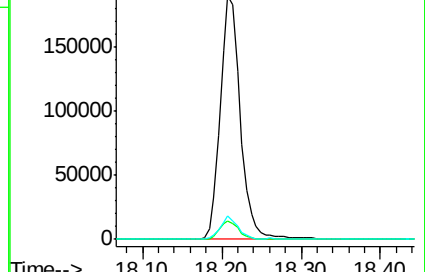
80 9.6 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 36.898 ng

RT: 16.57 min Scan# 2261

Delta R.T. 0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

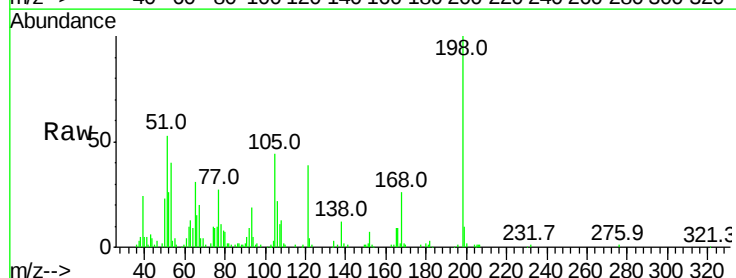
Tgt Ion:198 Resp: 73755

Ion Ratio Lower Upper

198 100

51 52.9 30.6 70.6

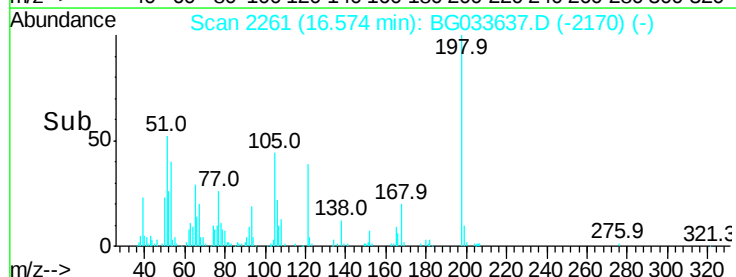
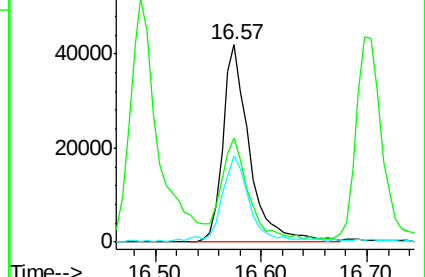
105 43.9 23.8 63.8

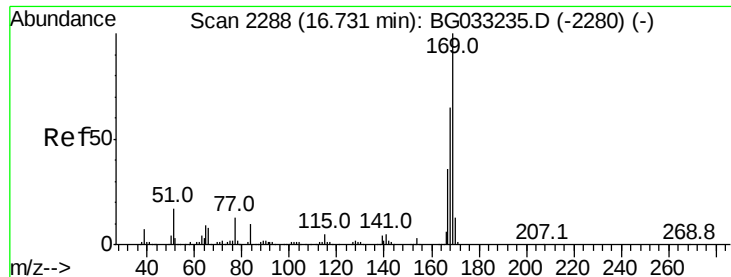


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

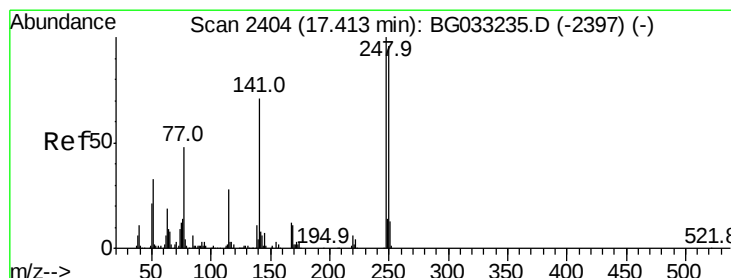
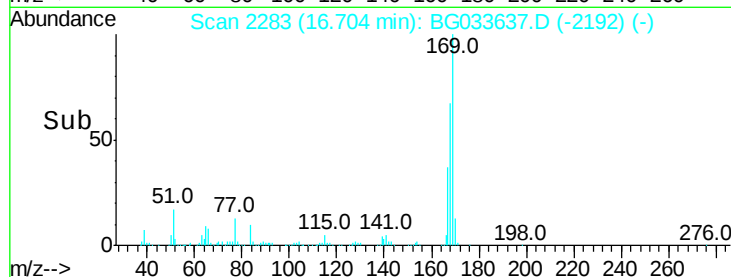
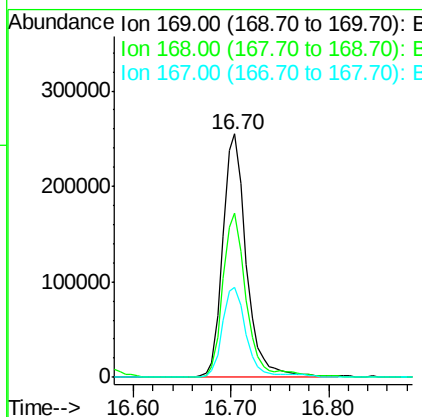
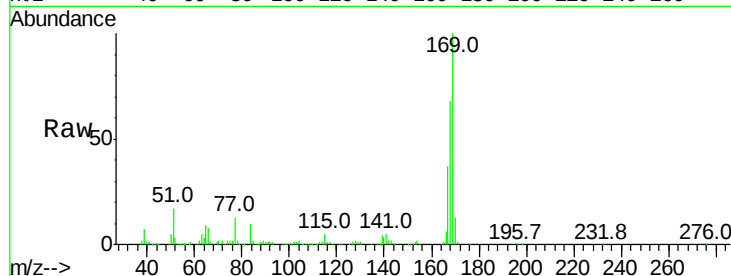




#65  
n-Nitrosodiphenylamine  
Concen: 44.745 ng  
RT: 16.70 min Scan# 2283  
Delta R.T. 0.00 min  
Lab File: BG033637.D  
Acq: 6 Apr 2018 20:42

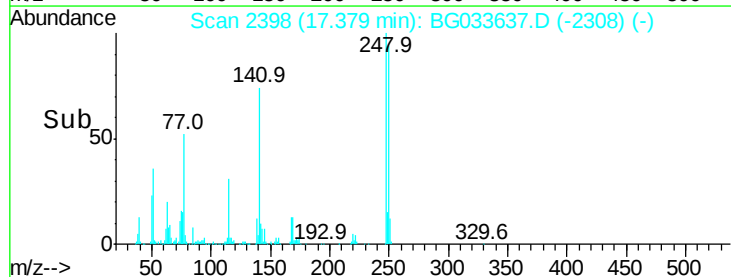
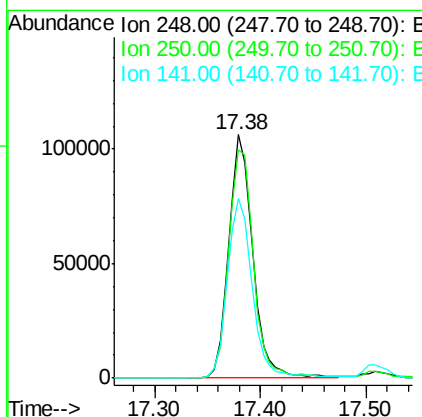
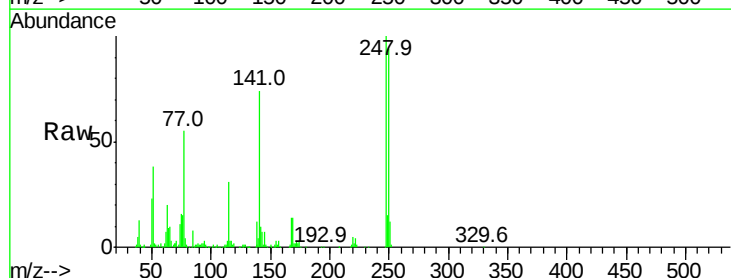
Instrument :  
BNA\_G  
ClientSampleId :

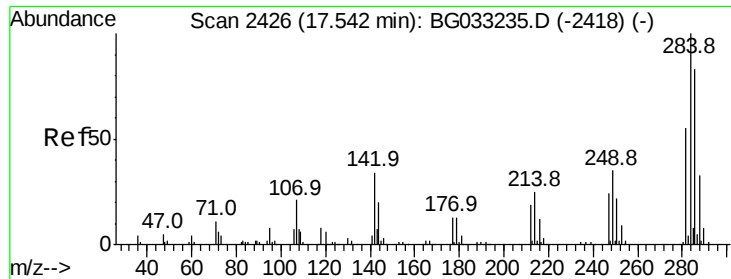
| Tot Ion   | 169  | Resp | 426823 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     | 55.7 |      |        |
| Upper     | 83.5 |      |        |
| 168       | 67.7 |      |        |
| 167       | 37.1 |      |        |



#66  
4-Bromophenyl-phenylether  
Concen: 42.459 ng  
RT: 17.38 min Scan# 2398  
Delta R.T. -0.00 min  
Lab File: BG033637.D  
Acq: 6 Apr 2018 20:42

| Tgt Ion                                    | 248   | Resp | 166612 |
|--------------------------------------------|-------|------|--------|
| Ion Ratio <td>100</td> <td></td> <td></td> | 100   |      |        |
| Lower <td>77.1</td> <td></td> <td></td>    | 77.1  |      |        |
| Upper <td>115.7</td> <td></td> <td></td>   | 115.7 |      |        |
| 250                                        | 94.0  |      |        |
| 141                                        | 73.9  |      |        |

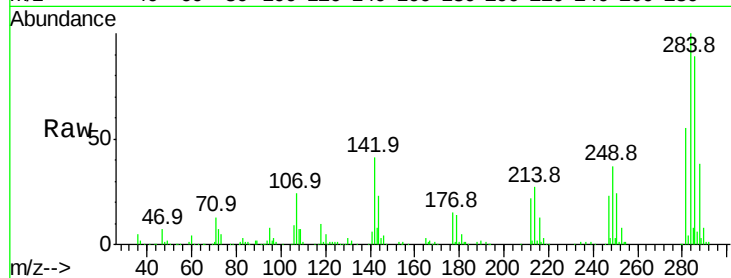




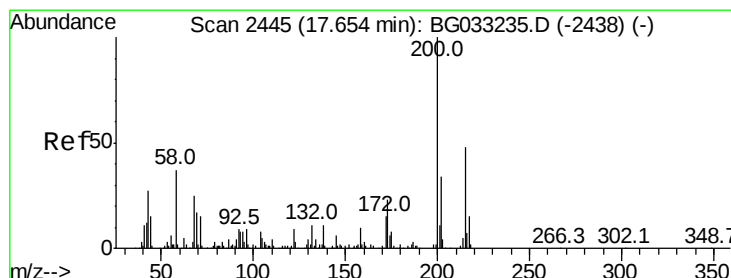
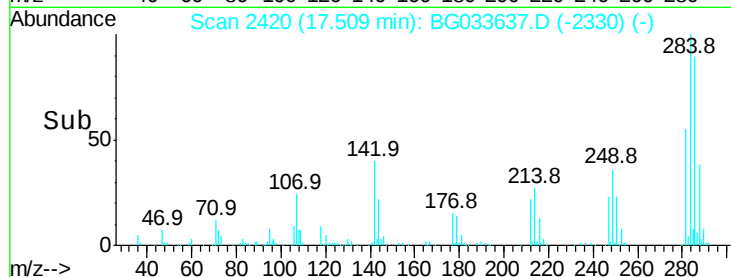
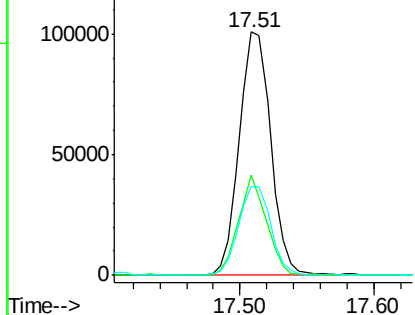
#67  
Hexachlorobenzene  
Concen: 39.867 ng  
RT: 17.51 min Scan# 2420  
Delta R.T. -0.00 min  
Lab File: BG033637.D  
Acq: 6 Apr 2018 20:42

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:284 Resp: 165102  
Ion Ratio Lower Upper  
284 100  
142 41.3 26.8 40.2#  
249 39.8 26.3 39.5#

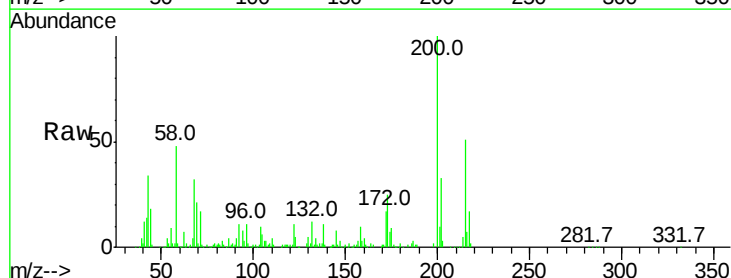


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

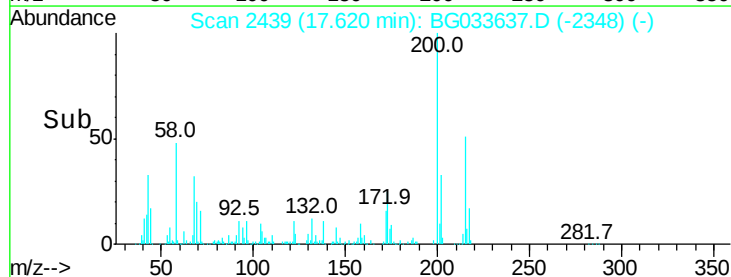
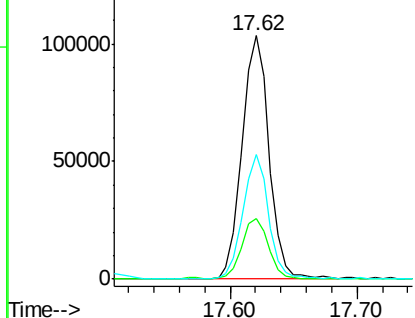


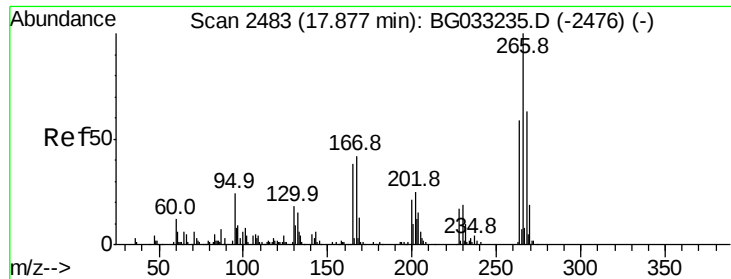
#68  
Atrazine  
Concen: 39.560 ng  
RT: 17.62 min Scan# 2439  
Delta R.T. 0.00 min  
Lab File: BG033637.D  
Acq: 6 Apr 2018 20:42

Tgt Ion:200 Resp: 152913  
Ion Ratio Lower Upper  
200 100  
173 24.8 5.2 45.2  
215 51.2 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

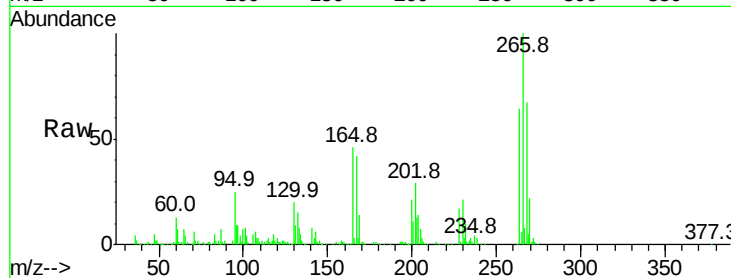




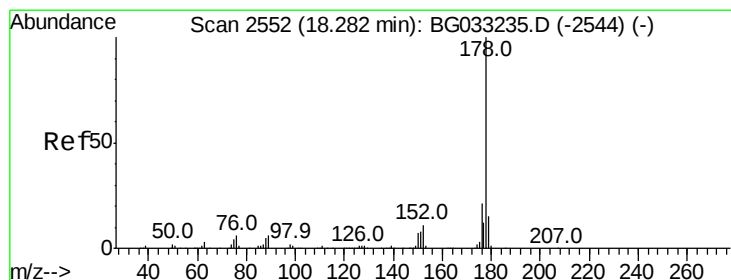
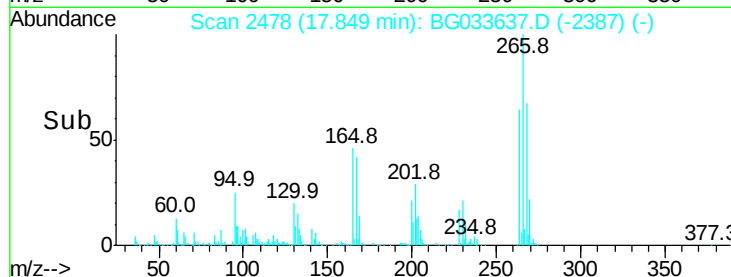
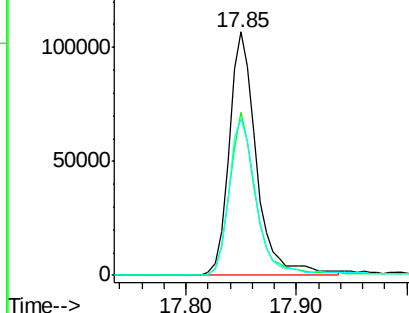
#69  
 Pentachlorophenol  
 Concen: 64.855 ng  
 RT: 17.85 min Scan# 2478  
 Delta R.T. 0.00 min  
 Lab File: BG033637.D  
 Acq: 6 Apr 2018 20:42

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:266 Resp: 184344  
 Ion Ratio Lower Upper  
 266 100  
 268 66.9 51.1 76.7  
 264 64.2 49.6 74.4

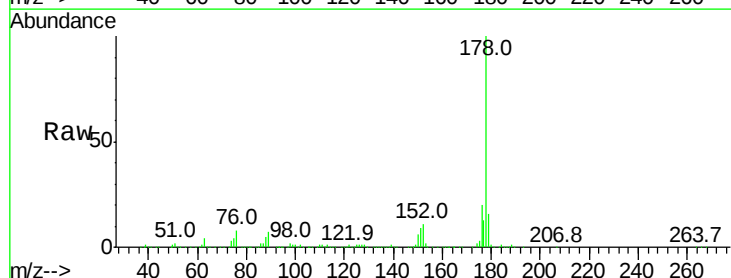


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

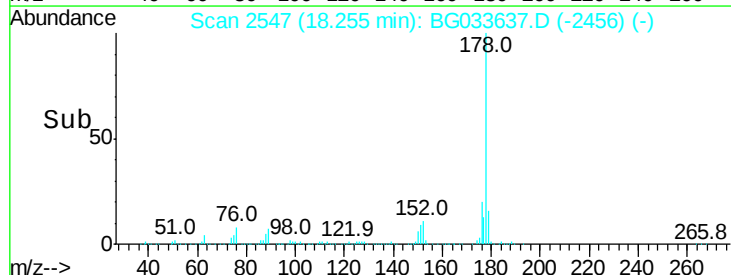
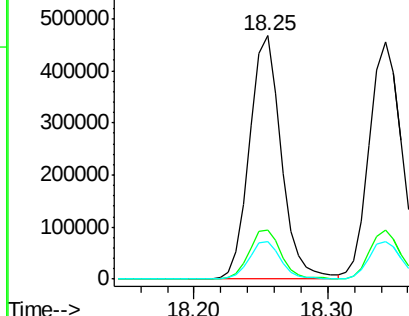


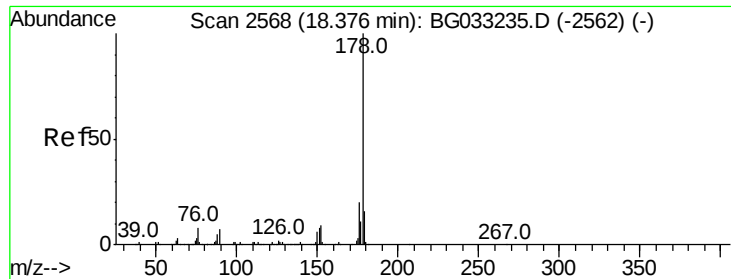
#70  
 Phenanthrene  
 Concen: 43.973 ng  
 RT: 18.25 min Scan# 2547  
 Delta R.T. 0.00 min  
 Lab File: BG033637.D  
 Acq: 6 Apr 2018 20:42

Tgt Ion:178 Resp: 765196  
 Ion Ratio Lower Upper  
 178 100  
 176 20.3 15.7 23.5  
 179 15.7 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

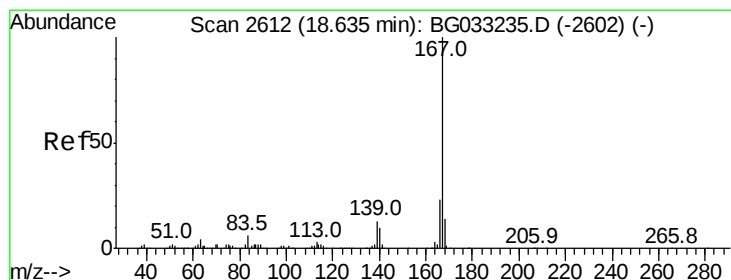
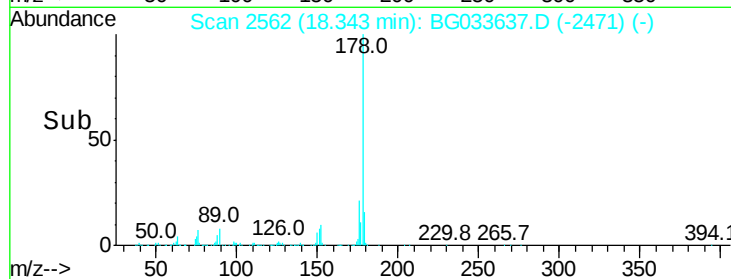
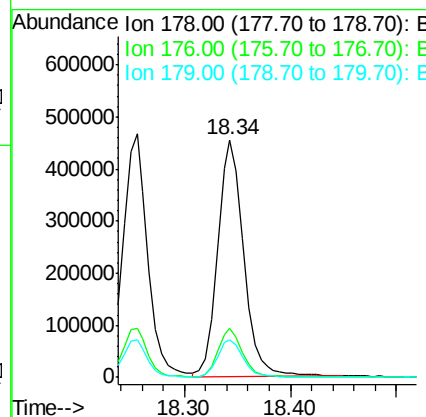
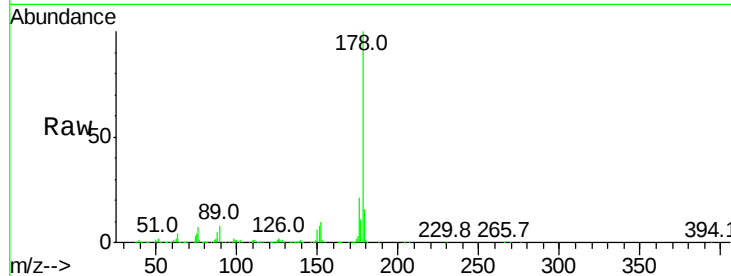




#71  
 Anthracene  
 Concen: 44.508 ng  
 RT: 18.34 min Scan# 2562  
 Delta R.T. 0.00 min  
 Lab File: BG033637.D  
 Acq: 6 Apr 2018 20:42

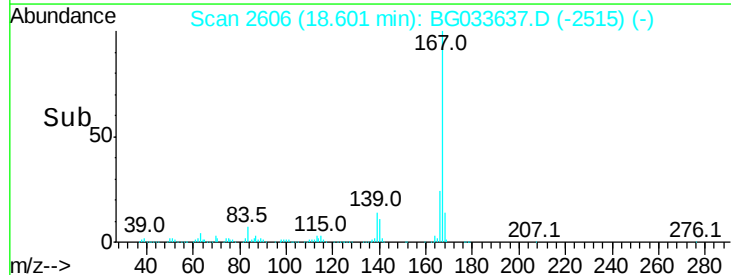
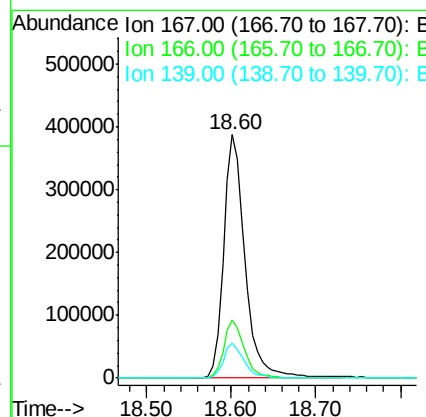
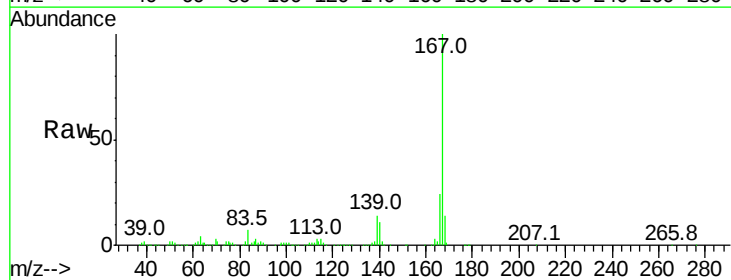
Instrument :  
 BNA\_G  
 ClientSampleId :

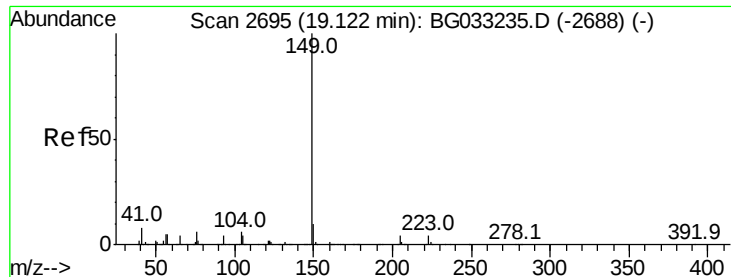
Tot Ion:178 Resp: 784202  
 Ion Ratio Lower Upper  
 178 100  
 176 20.6 16.0 24.0  
 179 15.8 12.5 18.7



#72  
 Carbazole  
 Concen: 43.727 ng  
 RT: 18.60 min Scan# 2606  
 Delta R.T. 0.00 min  
 Lab File: BG033637.D  
 Acq: 6 Apr 2018 20:42

Tgt Ion:167 Resp: 682728  
 Ion Ratio Lower Upper  
 167 100  
 166 24.1 18.2 27.4  
 139 14.5 9.4 14.2#





#73

Di-n-butylphthalate

Concen: 45.272 ng

RT: 19.10 min Scan# 2690

Delta R.T. 0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Instrument :

BNA\_G

ClientSampleId :

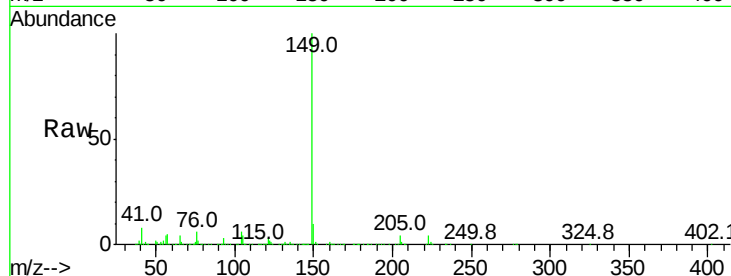
Tot Ion:149 Resp: 822734

Ion Ratio Lower Upper

149 100

150 10.1 7.8 11.6

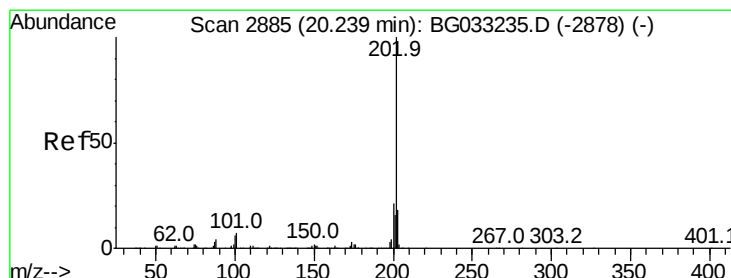
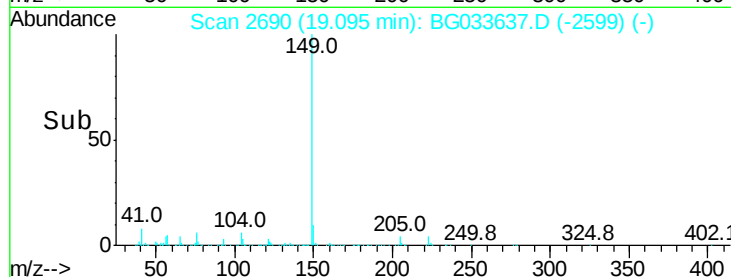
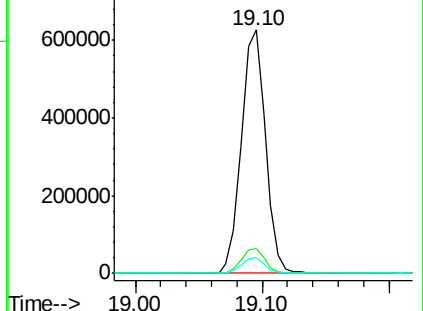
104 6.3 3.9 5.9#



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: 43.061 ng

RT: 20.21 min Scan# 2879

Delta R.T. 0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

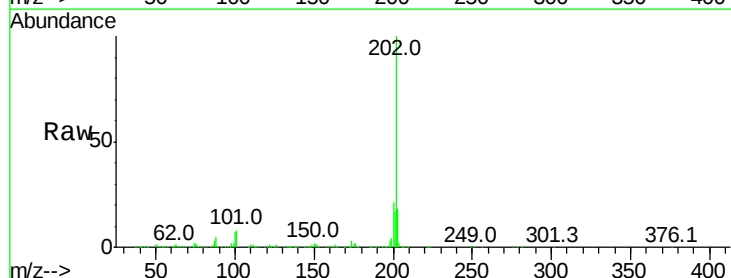
Tgt Ion:202 Resp: 927289

Ion Ratio Lower Upper

202 100

101 7.8 0.0 28.9

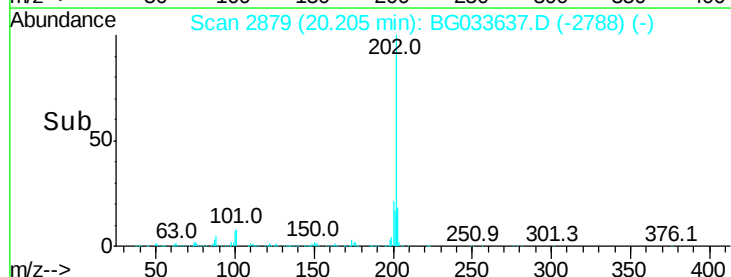
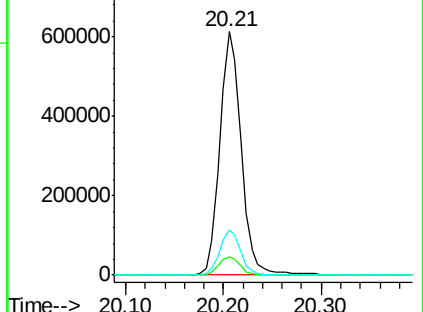
203 18.3 0.0 37.5

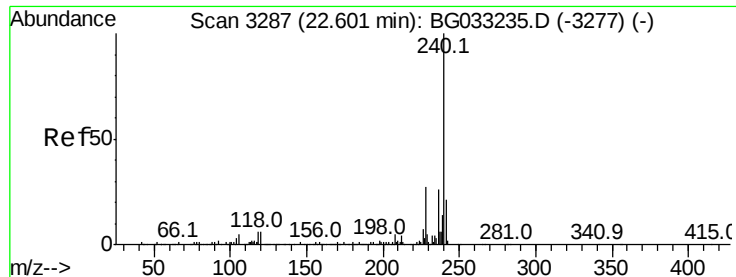


Abundance Ion 202.00 (201.70 to 202.70): E

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: 22.56 min Scan# 3279

Delta R.T. -0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Instrument :

BNA\_G

ClientSampleId :

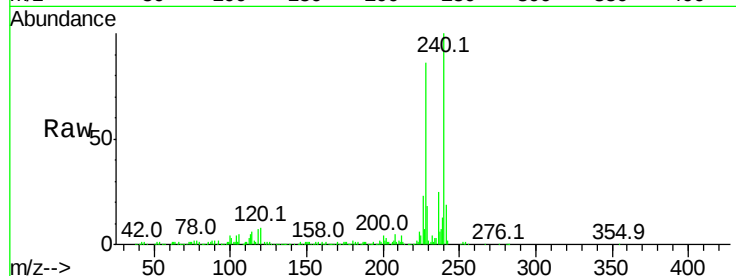
Tot Ion:240 Resp: 334614

Ion Ratio Lower Upper

240 100

120 7.8 6.8 10.2

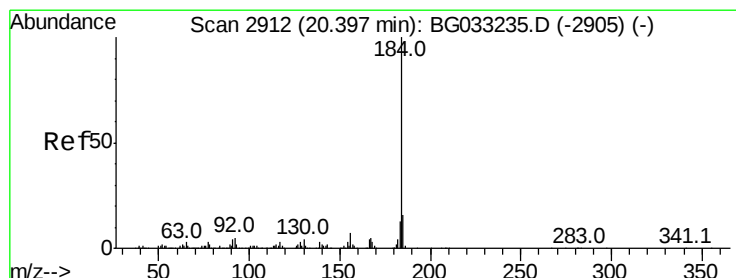
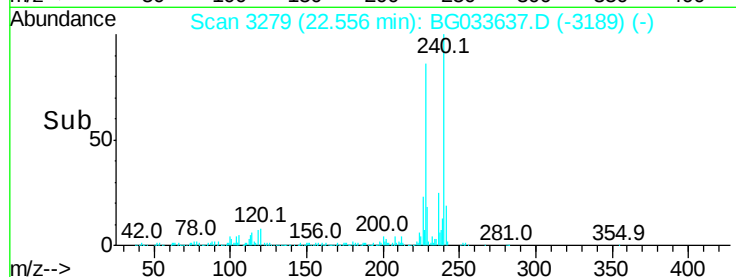
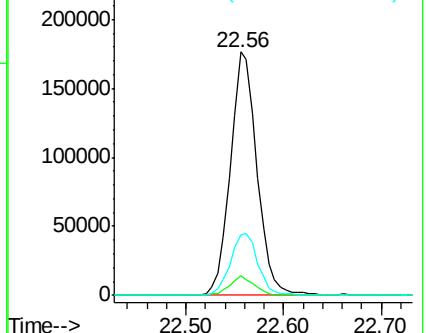
236 24.8 20.9 31.3



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: 2.091 ng

RT: 20.39 min Scan# 2911

Delta R.T. 0.03 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

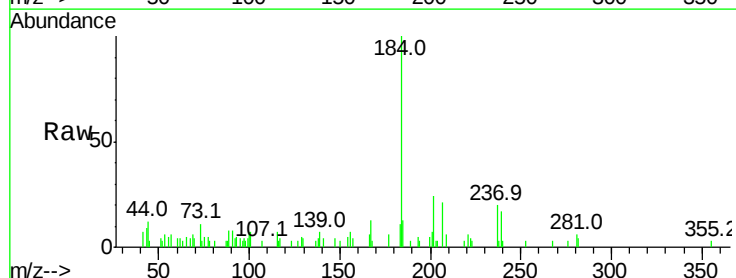
Tgt Ion:184 Resp: 18977

Ion Ratio Lower Upper

184 100

185 12.5 11.1 16.7

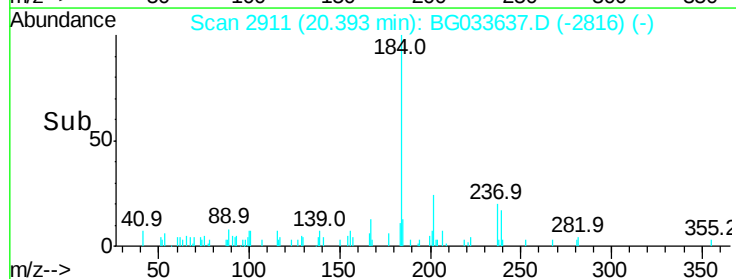
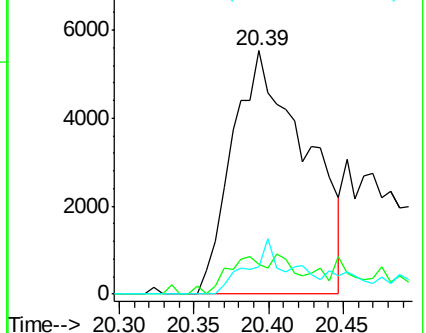
183 11.5 10.6 16.0

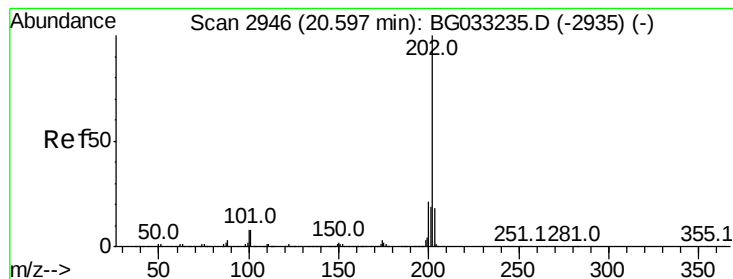


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 42.077 ng

RT: 20.56 min Scan# 2940

Delta R.T. 0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Instrument :

BNA\_G

ClientSampleId :

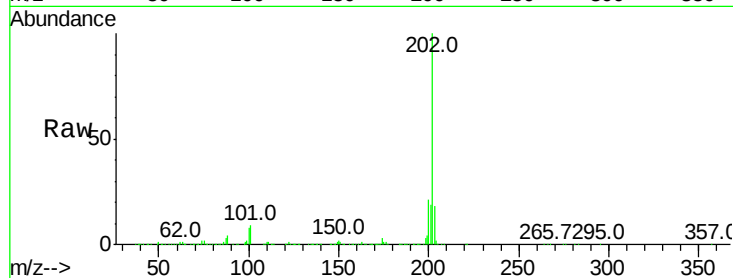
Tot Ion:202 Resp: 939020

Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

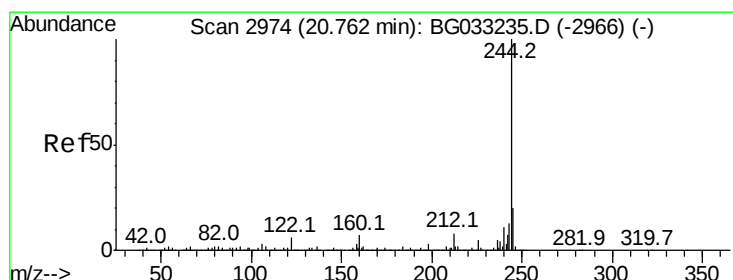
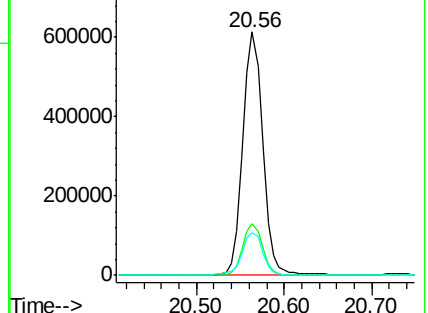
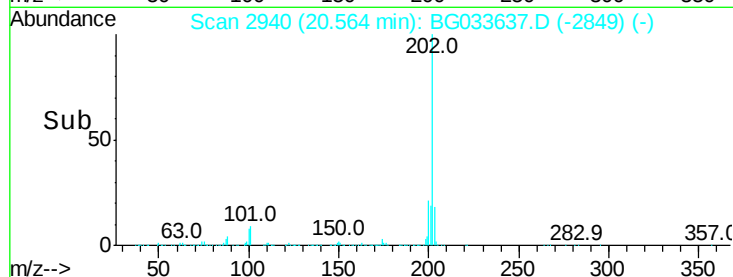
203 17.8 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 93.845 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

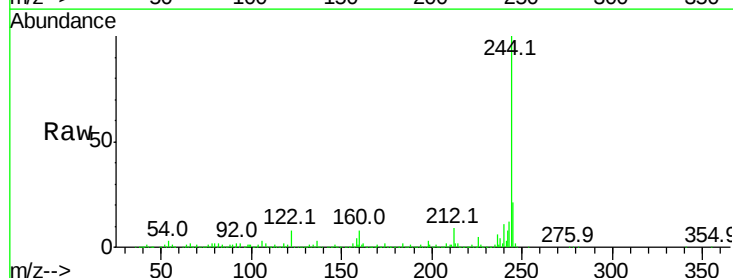
Tgt Ion:244 Resp: 1468339

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

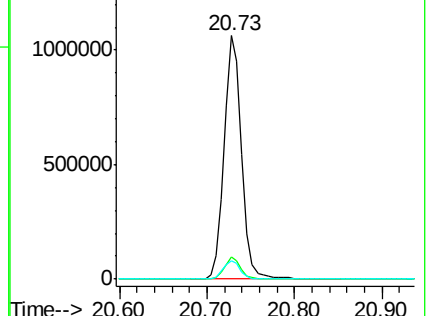
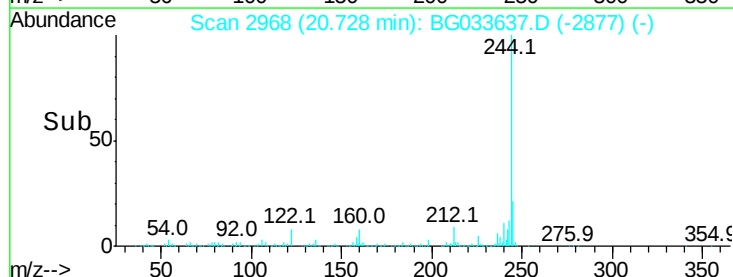
122 7.8 7.0 10.4

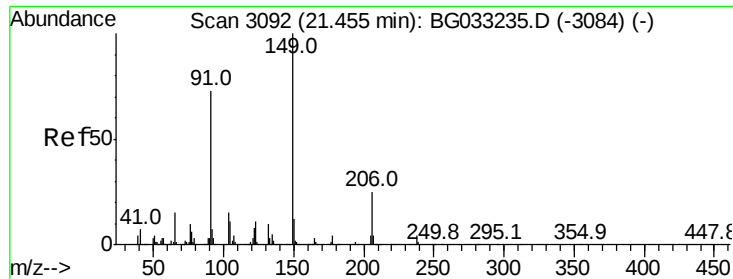


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

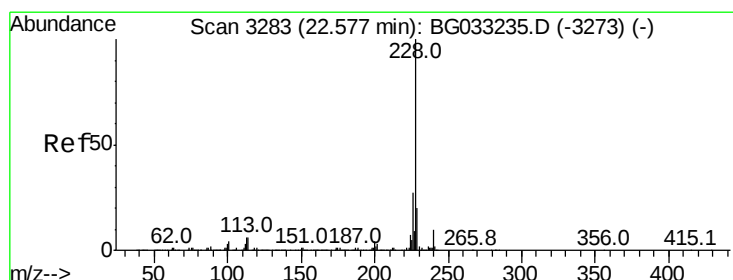
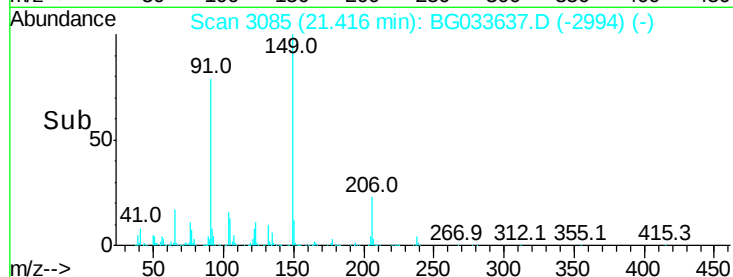
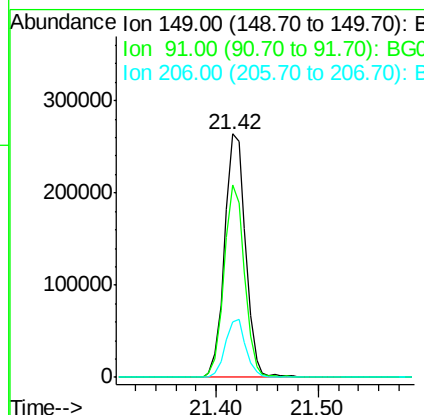
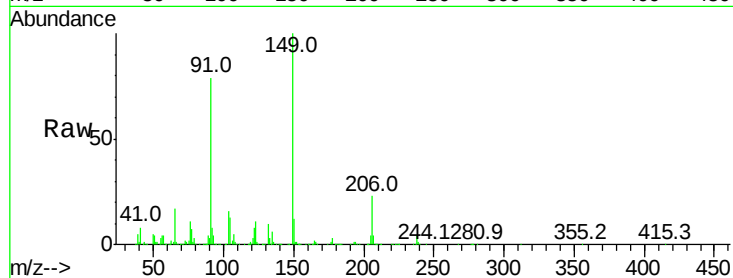




#79  
Butylbenzylphthalate  
Concen: 46.232 ng  
RT: 21.42 min Scan# 3085  
Delta R.T. 0.00 min  
Lab File: BG033637.D  
Acq: 6 Apr 2018 20:42

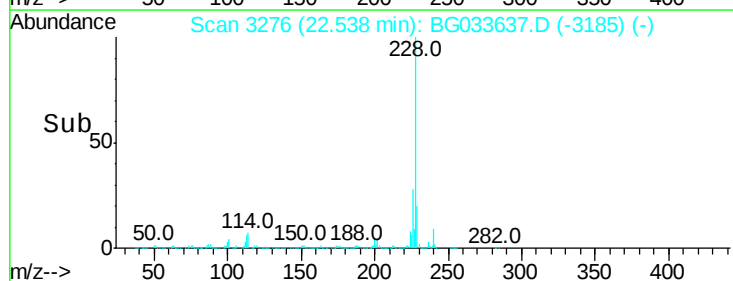
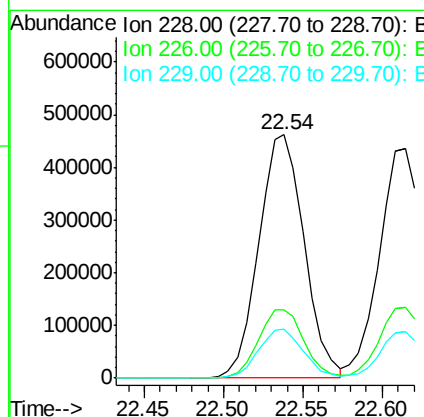
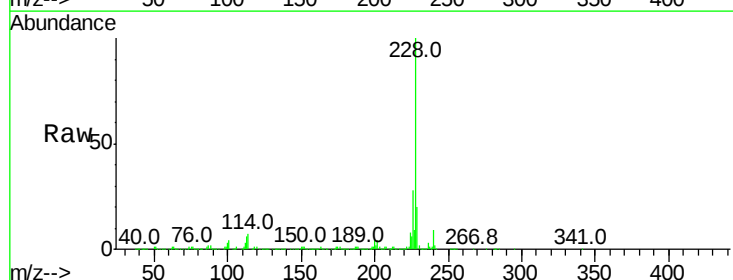
Instrument :  
BNA\_G  
ClientSampleId :

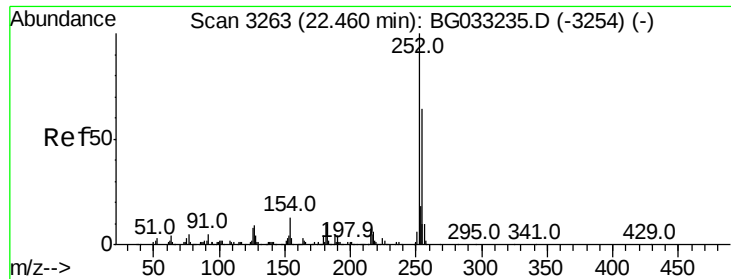
Tot Ion:149 Resp: 380736  
Ion Ratio Lower Upper  
149 100  
91 79.3 62.2 93.2  
206 23.0 18.6 27.8



#80  
Benzo(a)anthracene  
Concen: 42.981 ng  
RT: 22.54 min Scan# 3276  
Delta R.T. 0.00 min  
Lab File: BG033637.D  
Acq: 6 Apr 2018 20:42

Tgt Ion:228 Resp: 915784  
Ion Ratio Lower Upper  
228 100  
226 28.2 22.7 34.1  
229 20.3 16.2 24.2

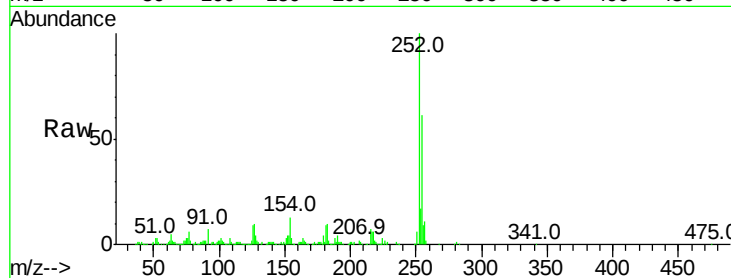




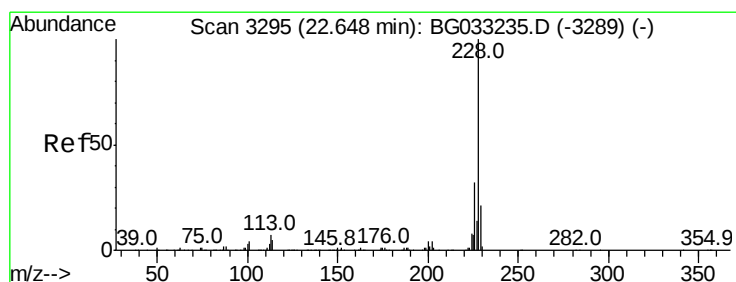
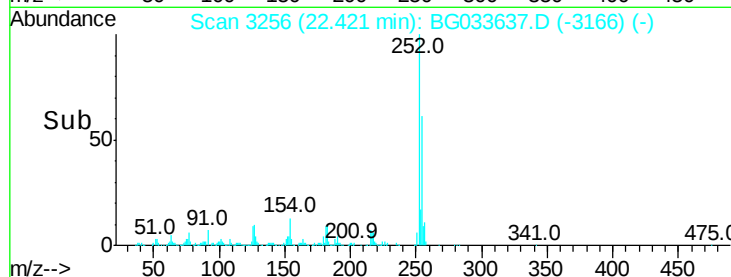
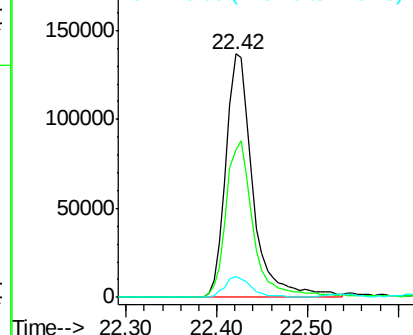
#81  
 3,3'-Dichlorobenzidine  
 Concen: 37.360 ng  
 RT: 22.42 min Scan# 3256  
 Delta R.T. -0.00 min  
 Lab File: BG033637.D  
 Acq: 6 Apr 2018 20:42

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:252 Resp: 283260  
 Ion Ratio Lower Upper  
 252 100  
 254 60.5 50.8 76.2  
 126 8.5 7.4 11.2

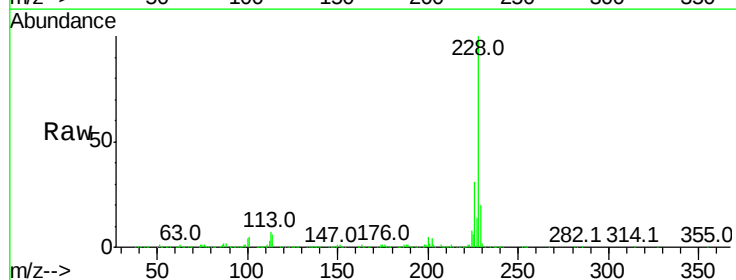


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

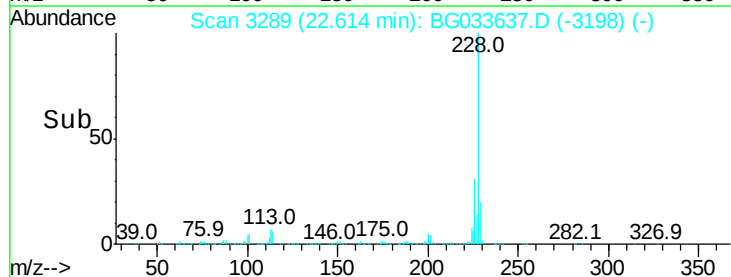
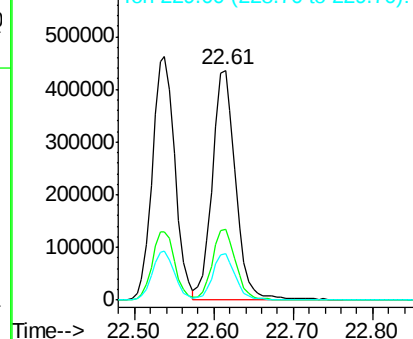


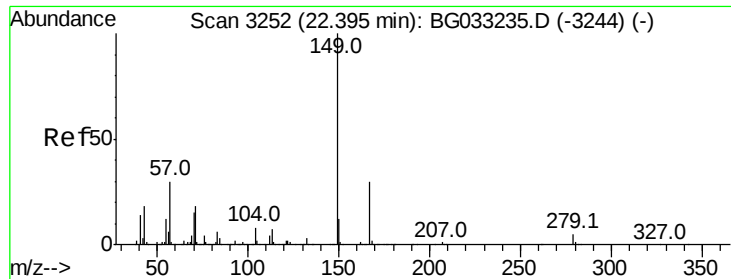
#82  
 Chrysene  
 Concen: 42.854 ng  
 RT: 22.61 min Scan# 3289  
 Delta R.T. 0.00 min  
 Lab File: BG033637.D  
 Acq: 6 Apr 2018 20:42

Tgt Ion:228 Resp: 883867  
 Ion Ratio Lower Upper  
 228 100  
 226 30.6 24.9 37.3  
 229 20.1 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

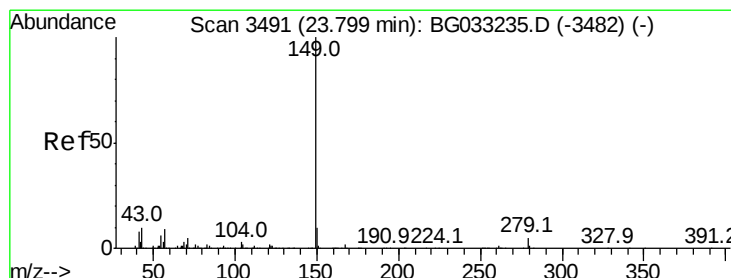
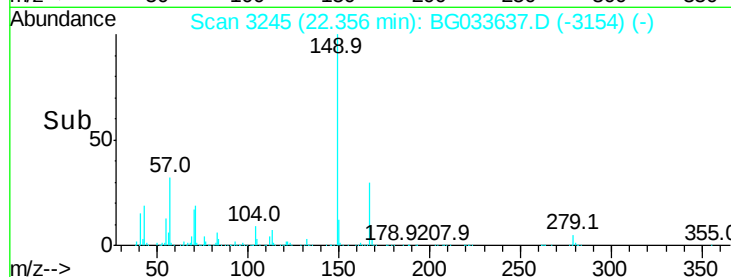
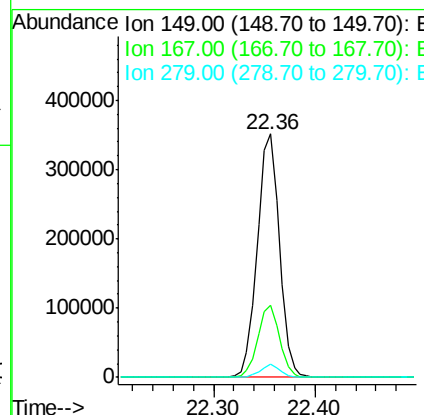
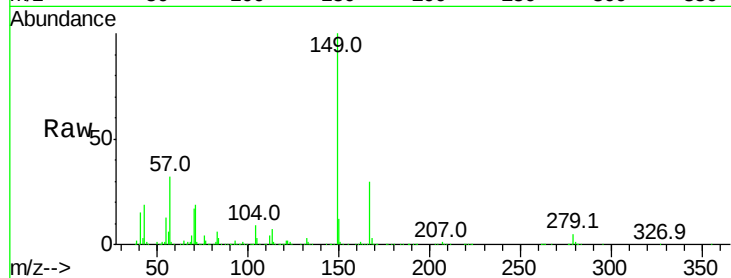




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 46.943 ng  
 RT: 22.36 min Scan# 3245  
 Delta R.T. 0.00 min  
 Lab File: BG033637.D  
 Acq: 6 Apr 2018 20:42

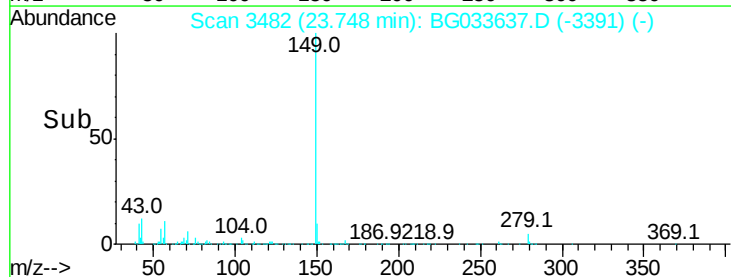
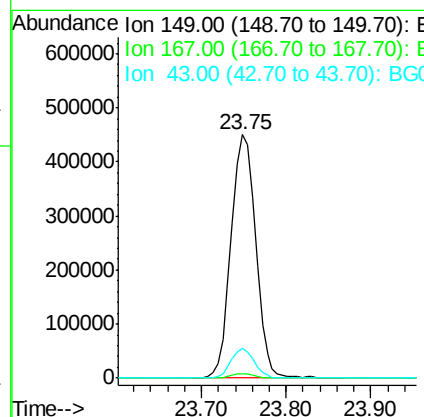
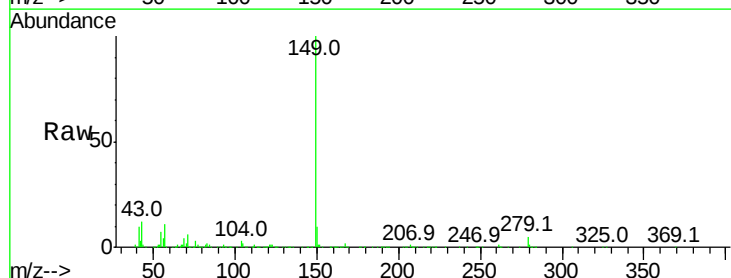
Instrument :  
 BNA\_G  
 ClientSampleId :

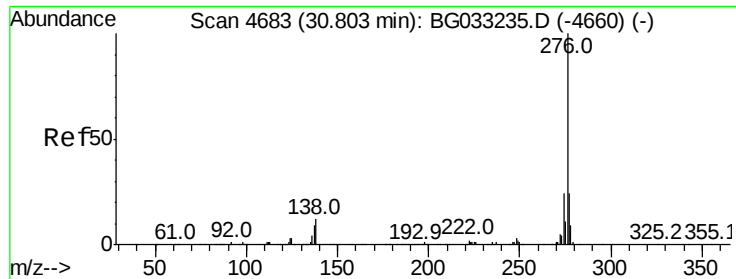
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 29.6  | 24.3  | 36.5  |
| 279     | 5.4   | 4.0   | 6.0   |



#84  
 Di-n-octyl phthalate  
 Concen: 52.107 ng  
 RT: 23.75 min Scan# 3482  
 Delta R.T. 0.00 min  
 Lab File: BG033637.D  
 Acq: 6 Apr 2018 20:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.8   | 1.4   | 2.0   |
| 43      | 11.4  | 8.9   | 13.3  |

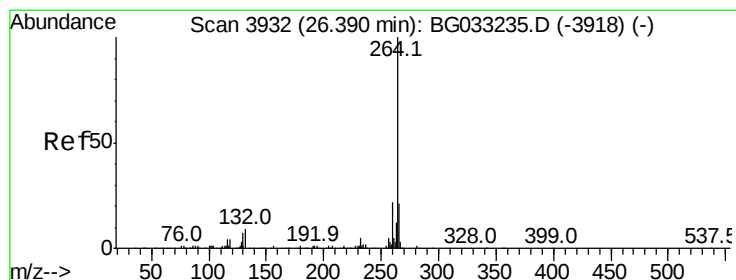
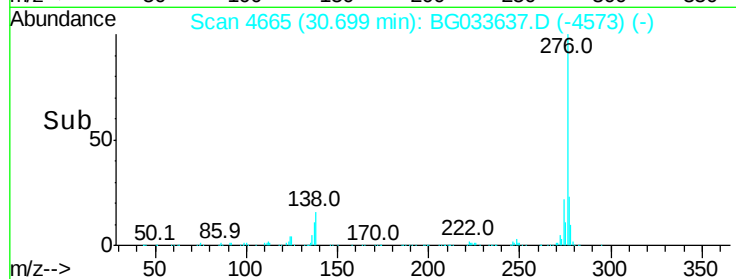
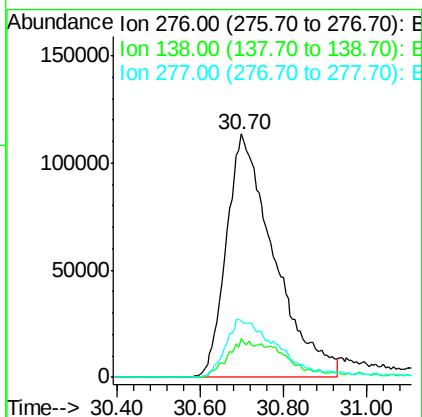
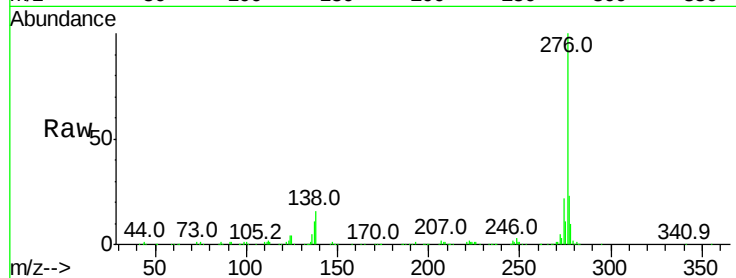




#85  
Indeno(1,2,3-cd)pyrene  
Concen: 40.537 ng  
RT: 30.70 min Scan# 4665  
Delta R.T. 0.01 min  
Lab File: BG033637.D  
Acq: 6 Apr 2018 20:42

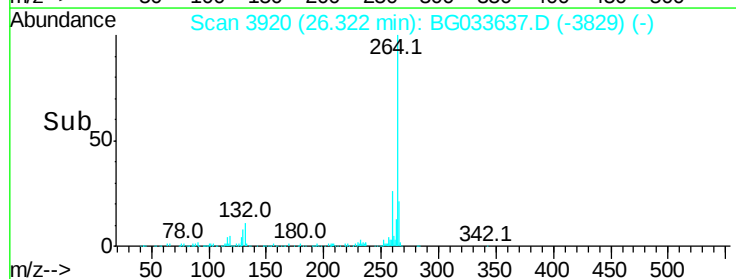
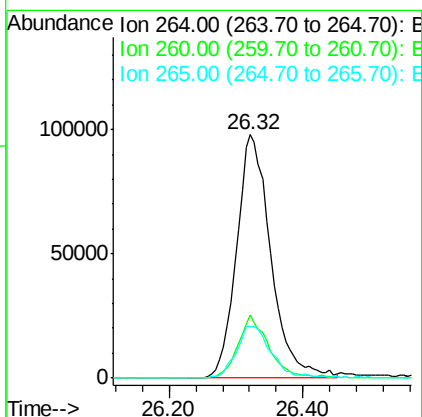
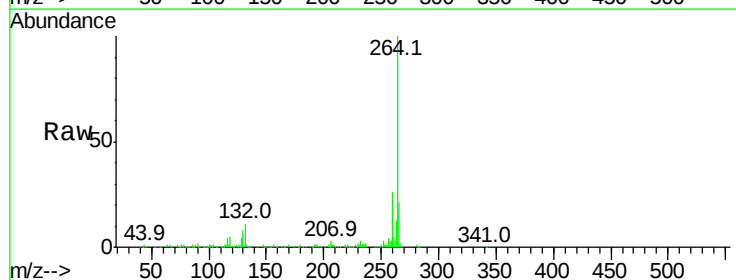
Instrument :  
BNA\_G  
ClientSampleId :

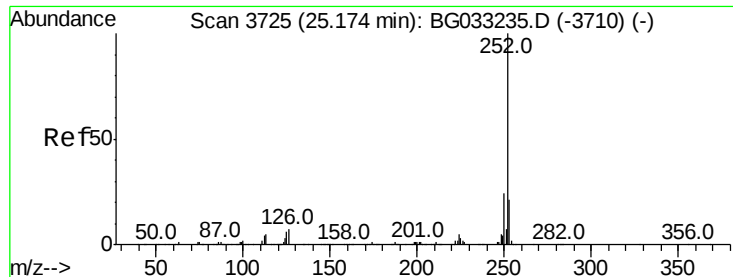
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 8.1   | 16.0  | 24.0# |
| 277     | 24.7  | 20.0  | 30.0  |



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 26.32 min Scan# 3920  
Delta R.T. 0.00 min  
Lab File: BG033637.D  
Acq: 6 Apr 2018 20:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 26.2  | 17.4  | 26.0# |
| 265     | 21.2  | 17.7  | 26.5  |





#87

Benzo(b)fluoranthene

Concen: 44.758 ng

RT: 25.11 min Scan# 3714

Delta R.T. 0.01 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Instrument :

BNA\_G

ClientSampleId :

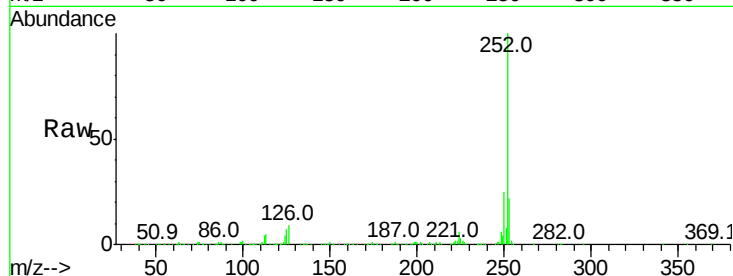
Tot Ion:252 Resp: 895865

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.4

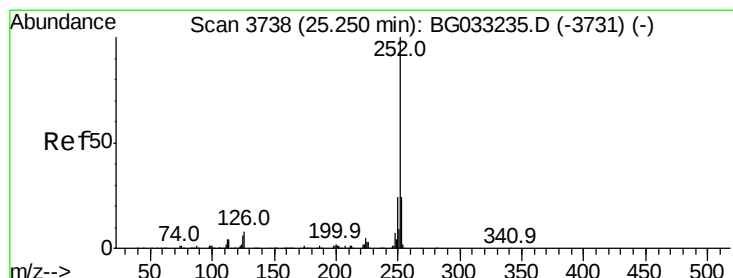
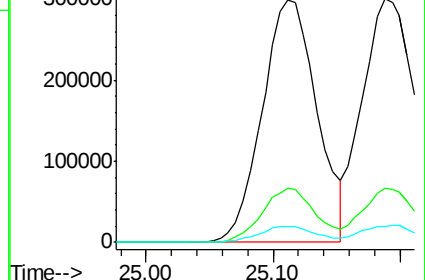
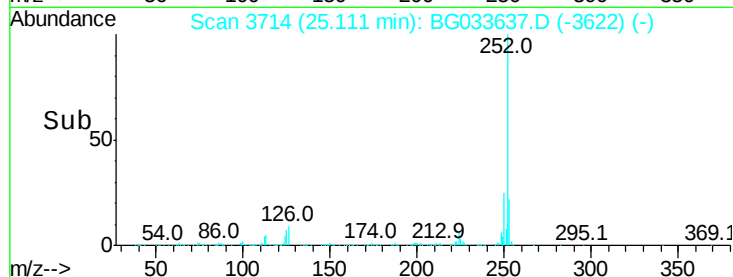
125 6.6 7.2 10.8#



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



#88

Benzo(k)fluoranthene

Concen: 45.201 ng

RT: 25.19 min Scan# 3727

Delta R.T. 0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

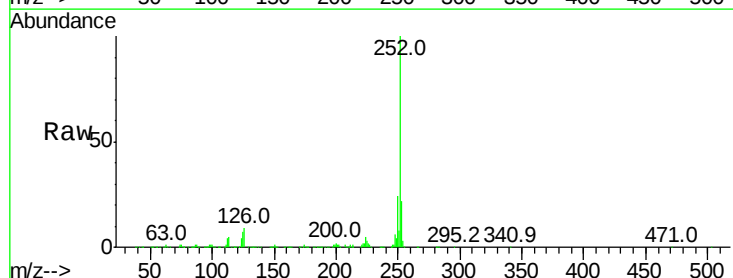
Tgt Ion:252 Resp: 915032

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

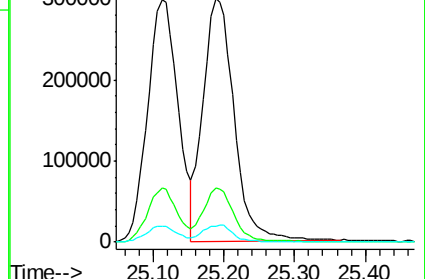
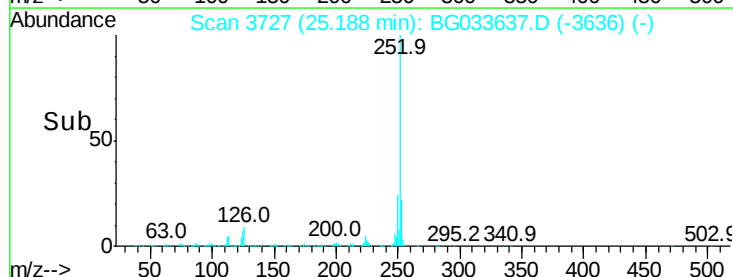
125 6.7 6.6 9.8

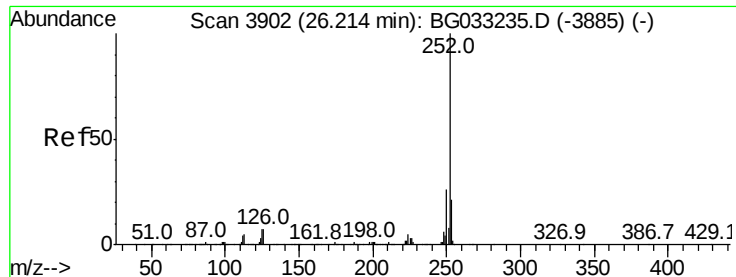


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 46.660 ng

RT: 26.15 min Scan# 3891

Delta R.T. 0.01 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Instrument :

BNA\_G

ClientSampleId :

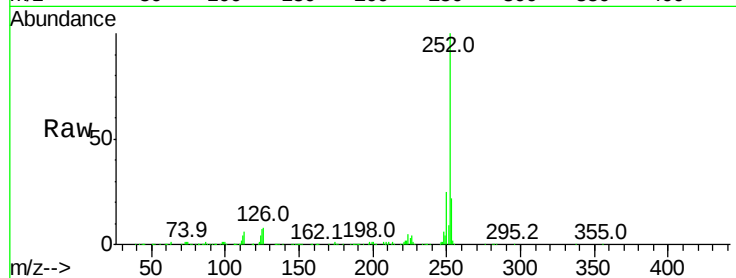
Tot Ion:252 Resp: 896882

Ion Ratio Lower Upper

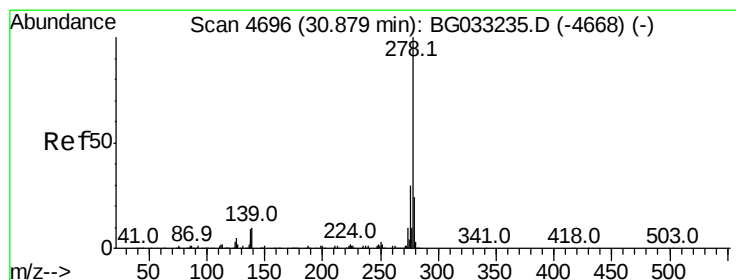
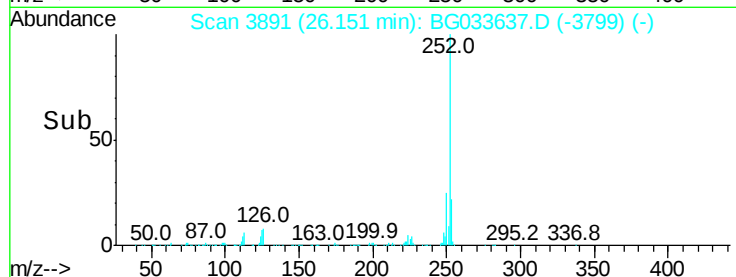
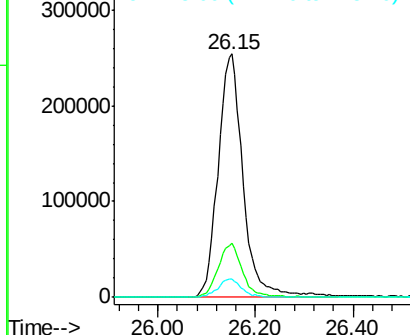
252 100

253 22.1 18.3 27.5

125 7.5 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: 38.771 ng

RT: 30.79 min Scan# 4680

Delta R.T. 0.03 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

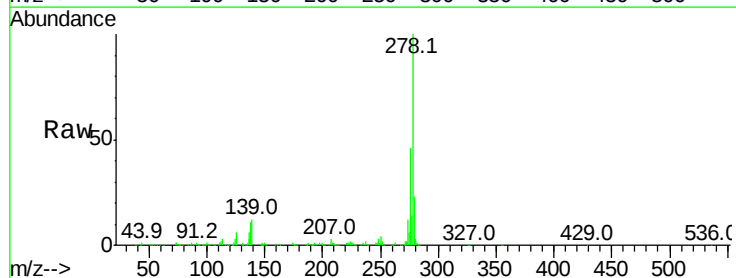
Tgt Ion:278 Resp: 701989

Ion Ratio Lower Upper

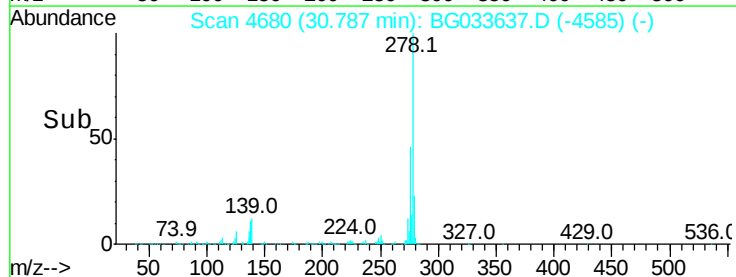
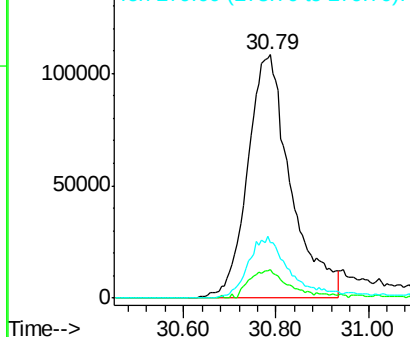
278 100

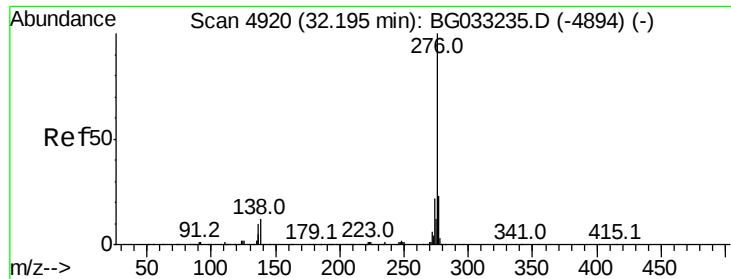
139 11.7 9.8 14.6

279 22.8 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: 39.156 ng

RT: 32.07 min Scan# 4899

Delta R.T. 0.00 min

Lab File: BG033637.D

Acq: 6 Apr 2018 20:42

Instrument :

BNA\_G

ClientSampleId :

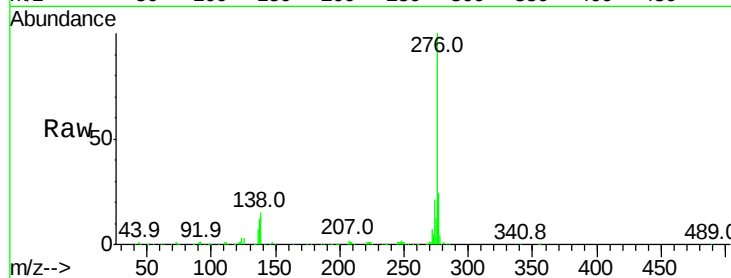
Tot Ion:276 Resp: 702040

Ion Ratio Lower Upper

276 100

277 24.3 18.3 27.5

138 14.7 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

