

Data Path : U:\HPCHEM1\BNA G\DATA\BG012618\  
 Data File : BG032331.D  
 Acq On : 26 Jan 2018 16:52  
 Operator : SJ/JU  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 26 23:07:53 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 24 14:02:41 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.72  | 152  | 32879    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.60 | 136  | 125657   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.36 | 164  | 84675    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 18.09 | 188  | 229201   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 22.42 | 240  | 304923   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 26.11 | 264  | 330066   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 6.16  | 112  | 144693   | 80.49 | ng    | 0.00     |
| 7) Phenol-d6                | 7.84  | 99   | 181115   | 79.99 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.92  | 82   | 172706   | 92.99 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.84 | 330  | 136449   | 97.38 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.99 | 172  | 602816   | 88.27 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.63 | 244  | 1129743  | 81.81 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 3.82  | 88   | 26868    | 38.903 | ng    | # 76   |
| 3) Pyridine                    | 4.28  | 79   | 65254    | 35.397 | ng    | # 88   |
| 4) n-Nitrosodimethylamine      | 4.18  | 42   | 32660    | 50.428 | ng    | # 71   |
| 6) Aniline                     | 8.02  | 93   | 107618   | 37.684 | ng    | # 97   |
| 8) 2-Chlorophenol              | 8.27  | 128  | 79753    | 39.646 | ng    | # 82   |
| 9) Benzaldehyde                | 7.82  | 77   | 44805    | 34.155 | ng    | # 82   |
| 10) Phenol                     | 7.86  | 94   | 82535    | 37.006 | ng    | # 89   |
| 11) bis(2-Chloroethyl)ether    | 8.11  | 93   | 64435    | 36.061 | ng    | # 81   |
| 12) 1,3-Dichlorobenzene        | 8.61  | 146  | 105472   | 40.061 | ng    | # 96   |
| 13) 1,4-Dichlorobenzene        | 8.76  | 146  | 108249   | 40.835 | ng    | # 98   |
| 14) 1,2-Dichlorobenzene        | 9.09  | 146  | 103759   | 40.468 | ng    | # 96   |
| 15) Benzyl Alcohol             | 8.96  | 79   | 70762    | 43.022 | ng    | # 97   |
| 16) 2,2'-oxybis(1-Chloropropan | 9.25  | 45   | 61182    | 33.692 | ng    | # 78   |
| 17) 2-Methylphenol             | 9.16  | 107  | 65093    | 38.190 | ng    | # 96   |
| 18) Hexachloroethane           | 9.85  | 117  | 34946    | 42.894 | ng    | # 73   |
| 19) n-Nitroso-di-n-propylamine | 9.53  | 70   | 56467    | 40.196 | ng    | # 88   |
| 20) 3+4-Methylphenols          | 9.49  | 107  | 90248    | 38.221 | ng    | # 91   |
| 22) Acetophenone               | 9.56  | 105  | 120235   | 42.124 | ng    | # 90   |
| 24) Nitrobenzene               | 9.96  | 77   | 85197    | 45.986 | ng    | # 87   |
| 25) Isophorone                 | 10.49 | 82   | 146724   | 42.425 | ng    | # 87   |
| 26) 2-Nitrophenol              | 10.69 | 139  | 51997    | 47.366 | ng    | # 80   |
| 27) 2,4-Dimethylphenol         | 10.73 | 122  | 72943    | 41.872 | ng    | # 93   |
| 28) bis(2-Chloroethoxy)methane | 10.97 | 93   | 80623    | 38.692 | ng    | # 94   |
| 29) 2,4-Dichlorophenol         | 11.23 | 162  | 95933    | 44.755 | ng    | # 91   |
| 30) 1,2,4-Trichlorobenzene     | 11.46 | 180  | 125545   | 45.351 | ng    | # 97   |
| 31) Naphthalene                | 11.65 | 128  | 262807   | 42.220 | ng    | # 98   |
| 32) Benzoic acid               | 10.84 | 122  | 50456    | 37.408 | ng    | # 83   |
| 33) 4-Chloroaniline            | 11.75 | 127  | 114599   | 42.932 | ng    | # 95   |
| 34) Hexachlorobutadiene        | 11.93 | 225  | 97522    | 49.047 | ng    | # 95   |
| 35) Caprolactam                | 12.50 | 113  | 28936    | 44.497 | ng    | # 49   |
| 36) 4-Chloro-3-methylphenol    | 12.82 | 107  | 88701    | 45.209 | ng    | # 91   |
| 37) 2-Methylnaphthalene        | 13.22 | 142  | 210486   | 42.592 | ng    | # 94   |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.58 | 216  | 174062   | 47.159 | ng    | # 95   |
| 40) Hexachlorocyclopentadiene  | 13.55 | 237  | 108426   | 52.156 | ng    | # 92   |

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 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 26 23:07:53 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 24 14:02:41 2018  
 Response via : Initial Calibration

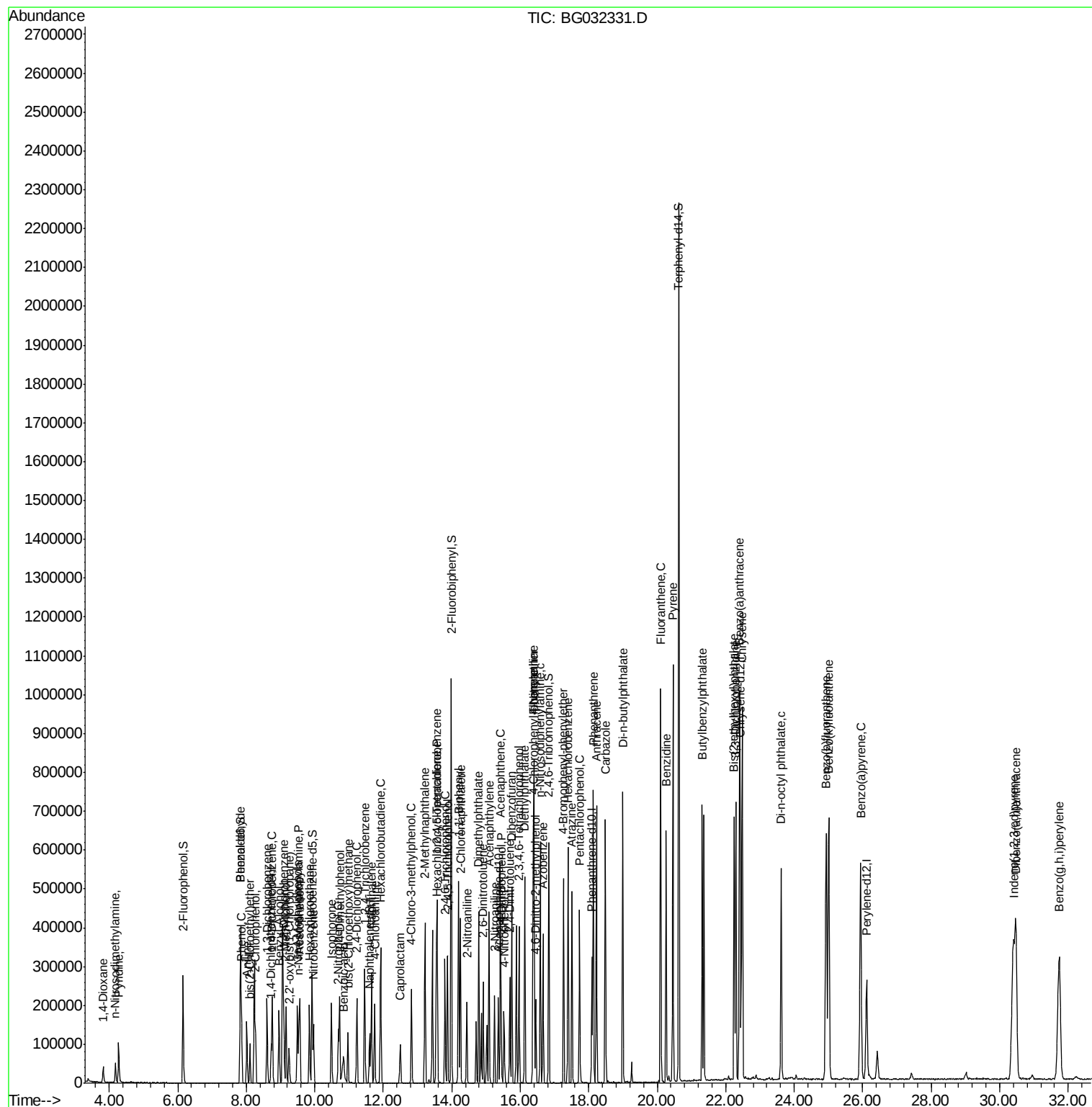
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.80 | 196  | 95818    | 46.202 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 13.88 | 196  | 111802   | 46.574 | nq #  | 92       |
| 45) 1,1'-Biphenyl              | 14.20 | 154  | 309868   | 42.688 | nq    | 94       |
| 46) 2-Chloronaphthalene        | 14.25 | 162  | 243226   | 43.072 | nq    | 95       |
| 47) 2-Nitroaniline             | 14.44 | 65   | 55357    | 51.206 | nq #  | 76       |
| 48) Acenaphthylene             | 15.09 | 152  | 364392   | 42.375 | nq    | 100      |
| 49) Dimethylphthalate          | 14.79 | 163  | 326293   | 44.035 | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 14.92 | 165  | 70235    | 45.666 | nq #  | 75       |
| 51) Acenaphthene               | 15.42 | 154  | 254909   | 44.830 | nq    | 97       |
| 52) 3-Nitroaniline             | 15.25 | 138  | 63431    | 45.663 | nq #  | 79       |
| 53) 2,4-Dinitrophenol          | 15.44 | 184  | 39066    | 53.191 | nq #  | 78       |
| 54) Dibenzofuran               | 15.75 | 168  | 367243   | 43.295 | nq    | 99       |
| 55) 4-Nitrophenol              | 15.53 | 139  | 50279    | 49.666 | nq #  | 73       |
| 56) 2,4-Dinitrotoluene         | 15.69 | 165  | 105421   | 50.912 | nq #  | 70       |
| 57) Fluorene                   | 16.40 | 166  | 302809   | 43.527 | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.96 | 232  | 108835   | 49.010 | nq #  | 86       |
| 59) Diethylphthalate           | 16.13 | 149  | 322765   | 44.932 | nq    | 96       |
| 60) 4-Chlorophenyl-phenylether | 16.37 | 204  | 193144   | 45.259 | nq    | 92       |
| 61) 4-Nitroaniline             | 16.40 | 138  | 68508    | 51.412 | nq    | 84       |
| 62) Azobenzene                 | 16.67 | 77   | 193611   | 43.062 | nq    | 88       |
| 64) 4,6-Dinitro-2-methylphenol | 16.46 | 198  | 72572    | 49.319 | nq #  | 71       |
| 65) n-Nitrosodiphenylamine     | 16.58 | 169  | 285692   | 41.078 | nq    | 97       |
| 66) 4-Bromophenyl-phenylether  | 17.27 | 248  | 138176   | 42.371 | nq    | 96       |
| 67) Hexachlorobenzene          | 17.40 | 284  | 149961   | 41.564 | nq #  | 92       |
| 68) Atrazine                   | 17.51 | 200  | 129820   | 44.385 | nq    | 94       |
| 69) Pentachlorophenol          | 17.73 | 266  | 106406   | 46.140 | nq    | 97       |
| 70) Phenanthrene               | 18.14 | 178  | 532404   | 41.721 | nq    | 99       |
| 71) Anthracene                 | 18.22 | 178  | 532763   | 41.859 | nq    | 98       |
| 72) Carbazole                  | 18.48 | 167  | 489525   | 44.337 | nq    | 99       |
| 73) Di-n-butylphthalate        | 18.99 | 149  | 561896   | 43.068 | nq    | 99       |
| 74) Fluoranthene               | 20.10 | 202  | 744942   | 46.625 | nq    | 96       |
| 76) Benzidine                  | 20.26 | 184  | 389305   | 51.057 | nq    | 96       |
| 77) Pyrene                     | 20.46 | 202  | 754502   | 39.361 | nq    | 99       |
| 79) Butylbenzylphthalate       | 21.31 | 149  | 264915   | 38.573 | nq #  | 78       |
| 80) Benzo(a)anthracene         | 22.40 | 228  | 805871   | 42.496 | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 22.30 | 252  | 319518   | 45.105 | nq #  | 98       |
| 82) Chrysene                   | 22.48 | 228  | 772976   | 42.444 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 22.24 | 149  | 375824   | 37.317 | nq #  | 98       |
| 84) Di-n-octyl phthalate       | 23.62 | 149  | 594389   | 37.160 | nq #  | 89       |
| 85) Indeno(1,2,3-cd)pyrene     | 30.40 | 276  | 990559   | 44.445 | nq #  | 83       |
| 87) Benzo(b)fluoranthene       | 24.93 | 252  | 846135   | 42.411 | nq #  | 96       |
| 88) Benzo(k)fluoranthene       | 25.01 | 252  | 834212   | 42.791 | nq #  | 94       |
| 89) Benzo(a)pyrene             | 25.94 | 252  | 809727   | 42.905 | nq #  | 94       |
| 90) Dibenzo(a,h)anthracene     | 30.47 | 278  | 819354   | 45.053 | nq #  | 92       |
| 91) Benzo(g,h,i)perylene       | 31.74 | 276  | 813023   | 43.739 | nq #  | 90       |

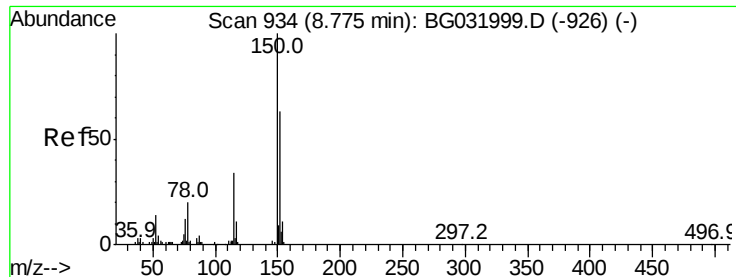
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\HPCHEM1\BNA G\DATA\BG012618\  
 Data File : BG032331.D  
 Acq On : 26 Jan 2018 16:52  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 26 23:07:53 2018  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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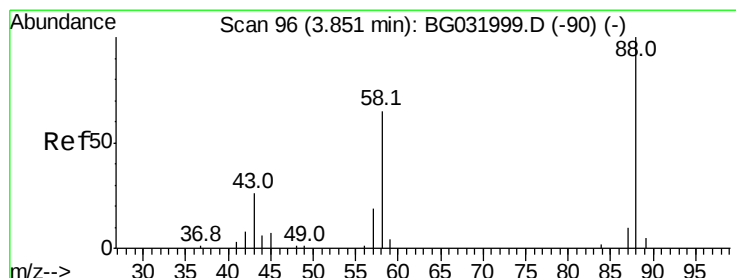
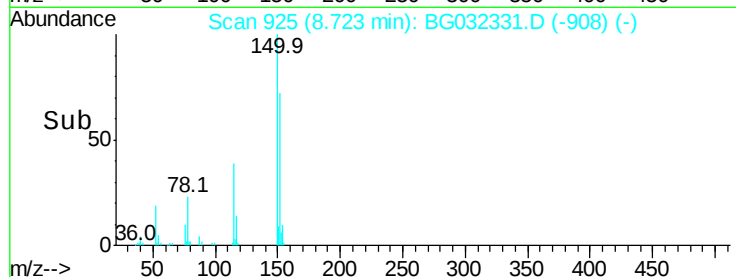
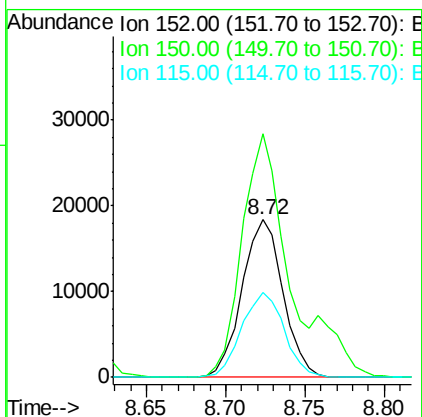
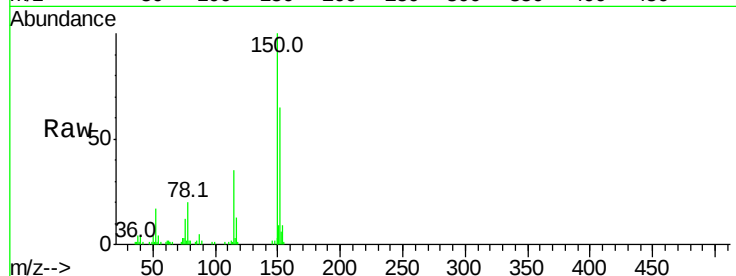


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.72 min Scan# 925  
Delta R.T. -0.00 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

Instrument :  
BNA\_G  
ClientSampleId :

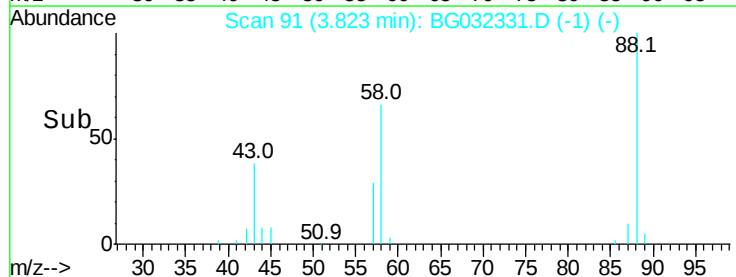
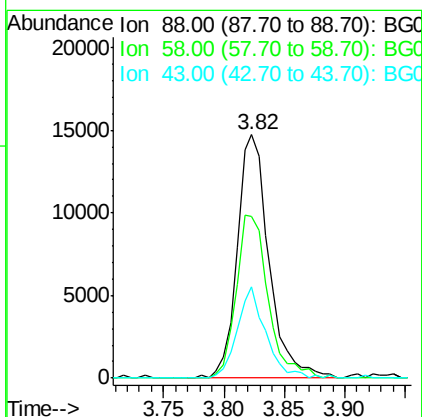
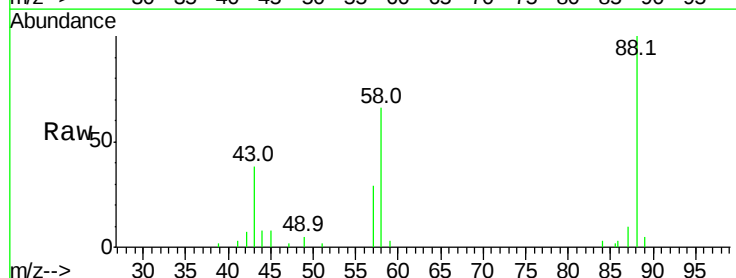
Tot Ion:152 Resp: 32879  
Ion Ratio Lower Upper  
152 100  
150 154.7 126.6 189.8  
115 54.2 53.0 79.4

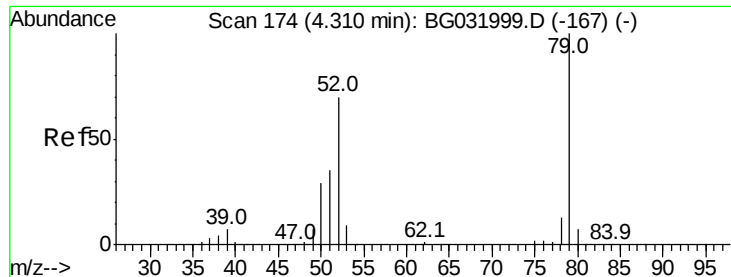


#2

1,4-Dioxane  
Concen: 38.903 ng  
RT: 3.82 min Scan# 91  
Delta R.T. -0.00 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

Tgt Ion: 88 Resp: 26868  
Ion Ratio Lower Upper  
88 100  
58 68.1 79.6 119.4#  
43 33.8 27.4 41.0





#3

Pvridine

Concen: 35.397 ng

RT: 4.28 min Scan# 168

Delta R.T. 0.01 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

Instrument :

BNA\_G

ClientSampleId :

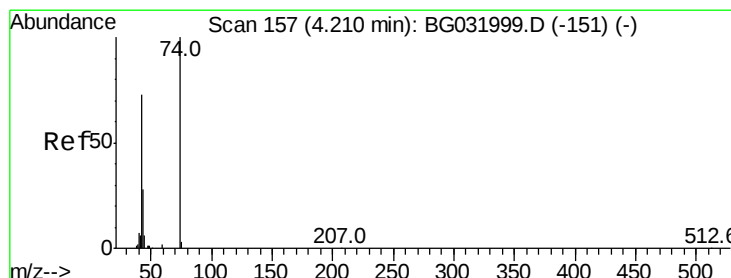
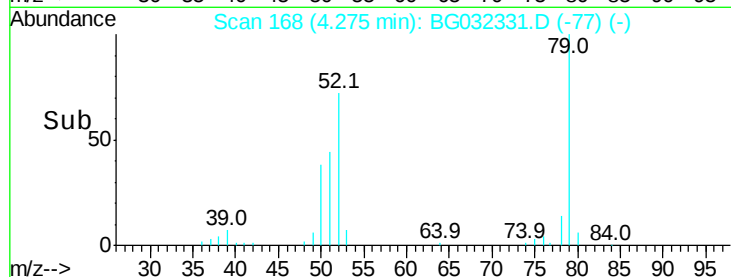
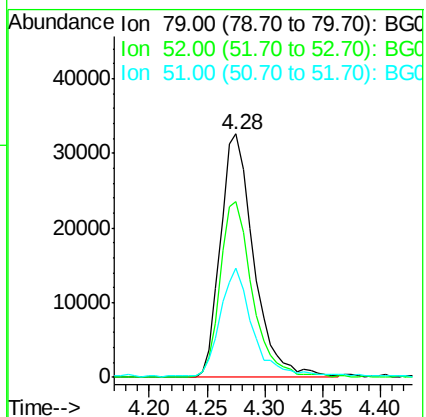
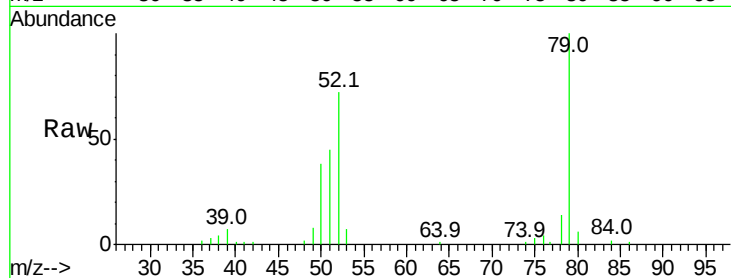
Tot Ion: 79 Resp: 65254

Ion Ratio Lower Upper

79 100

52 72.4 69.9 104.9

51 44.9 34.0 51.0



#4

n-Nitrosodimethylamine

Concen: 50.428 ng

RT: 4.18 min Scan# 152

Delta R.T. -0.00 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

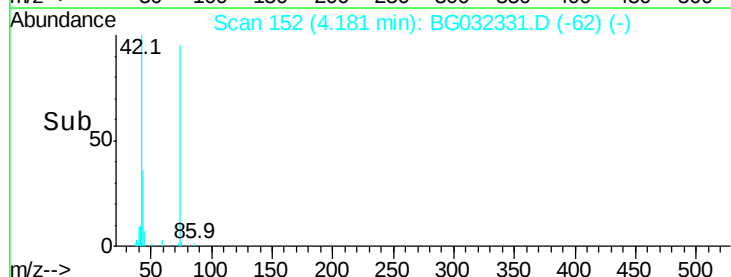
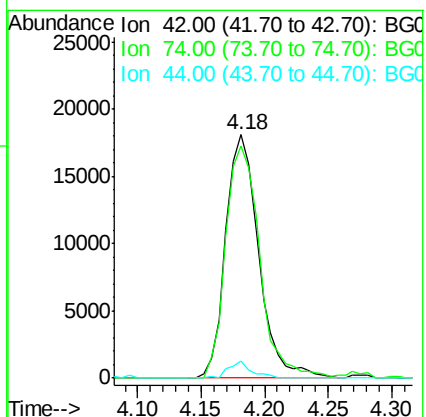
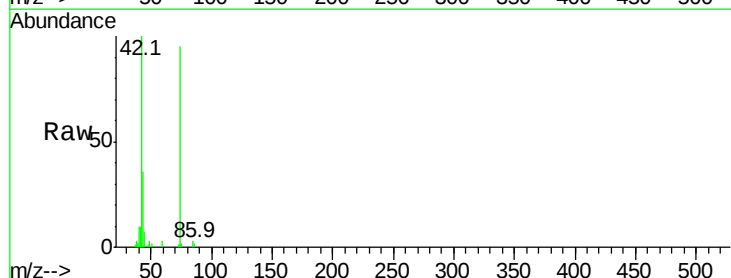
Tgt Ion: 42 Resp: 32660

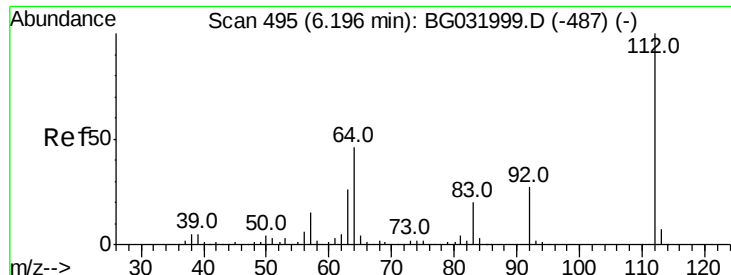
Ion Ratio Lower Upper

42 100

74 95.2 102.5 153.7#

44 7.1 18.9 28.3#





#5

2-Fluorophenol

Concen: 80.487 ng

RT: 6.16 min Scan# 488

Delta R.T. -0.00 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

Instrument :

BNA\_G

ClientSampleId :

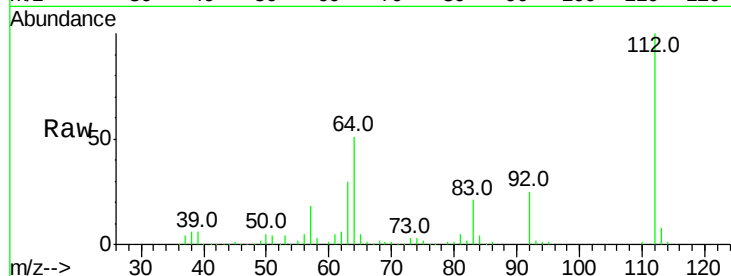
Tot Ion:112 Resp: 144693

Ion Ratio Lower Upper

112 100

64 51.5 56.3 84.5#

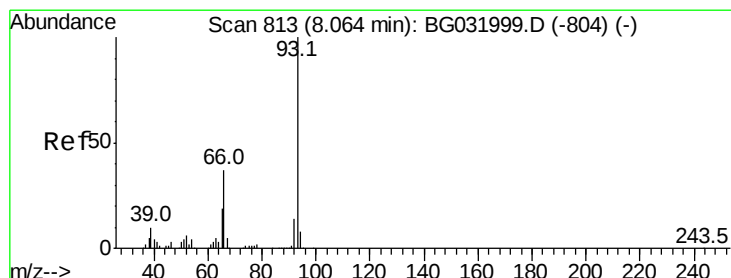
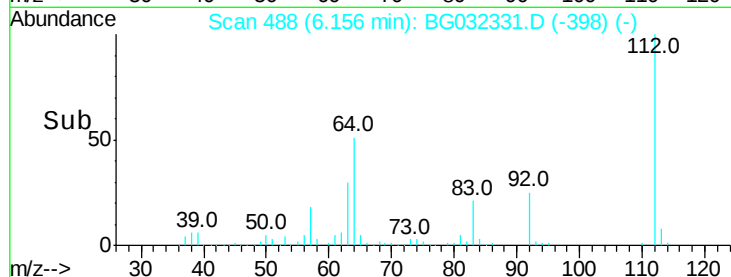
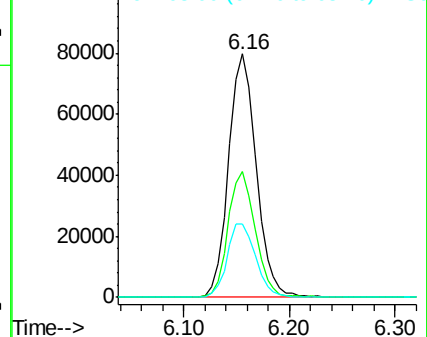
63 30.1 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 37.684 ng

RT: 8.02 min Scan# 805

Delta R.T. -0.00 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

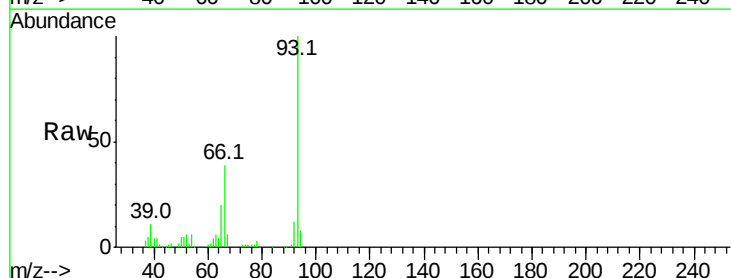
Tgt Ion: 93 Resp: 107618

Ion Ratio Lower Upper

93 100

66 39.4 33.7 50.5

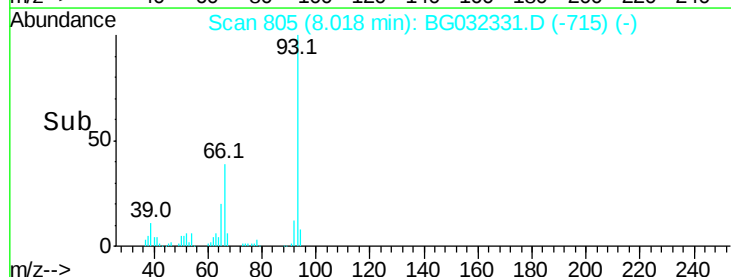
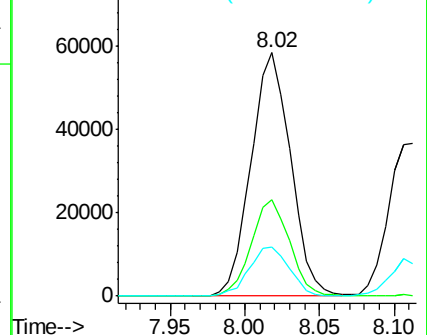
65 20.1 16.1 24.1

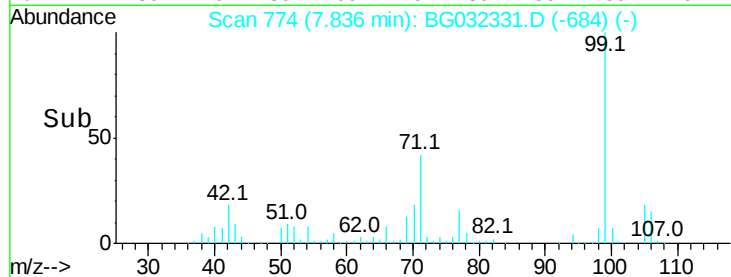
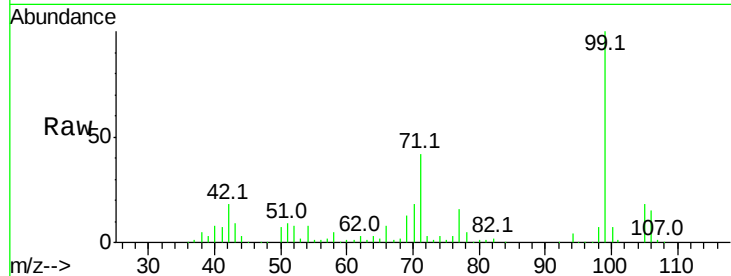
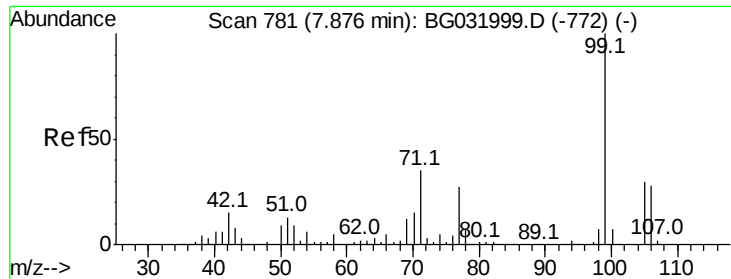


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 79.994 ng

RT: 7.84 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

Instrument :

BNA\_G

ClientSampleId :

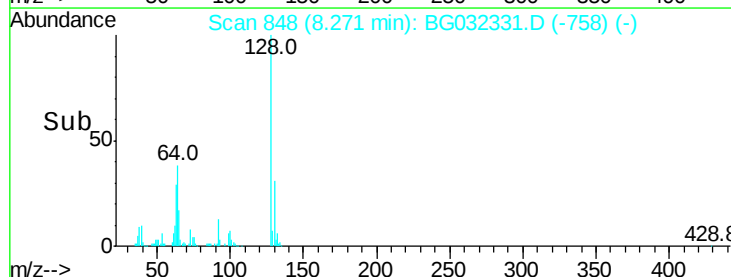
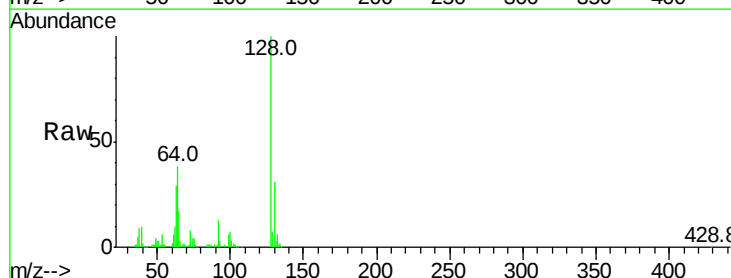
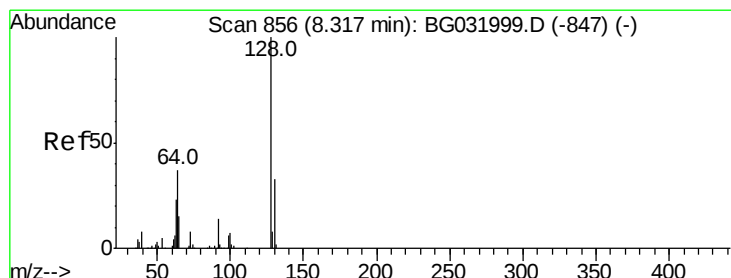
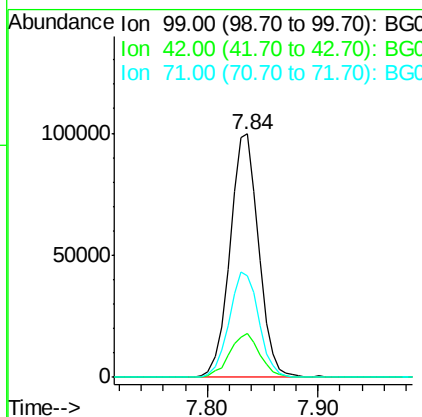
Tot Ion: 99 Resp: 181115

Ion Ratio Lower Upper

99 100

42 18.0 14.1 21.1

71 41.7 26.1 39.1#



#8

2-Chlorophenol

Concen: 39.646 ng

RT: 8.27 min Scan# 848

Delta R.T. -0.00 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

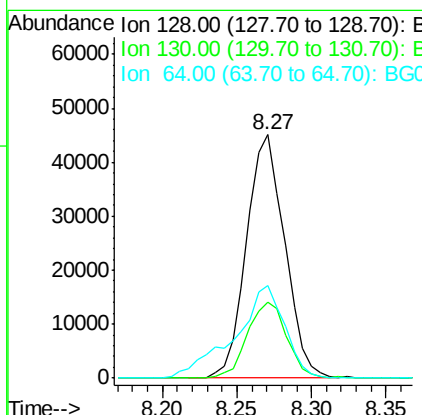
Tgt Ion:128 Resp: 79753

Ion Ratio Lower Upper

128 100

130 31.3 14.0 54.0

64 38.3 37.7 77.7





#9

Benzaldehyde

Concen: 34.155 ng

RT: 7.82 min Scan# 772

Delta R.T. -0.00 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

Instrument :

BNA\_G

ClientSampleId :

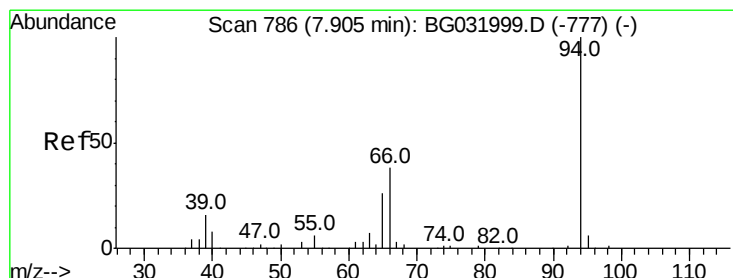
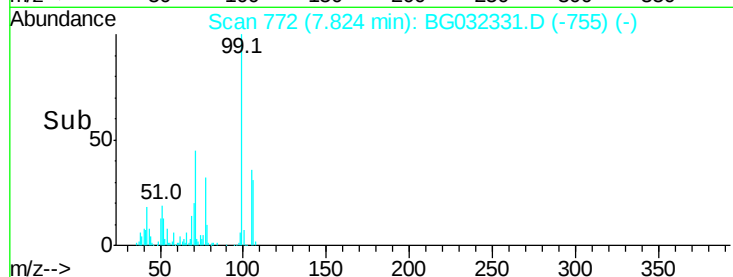
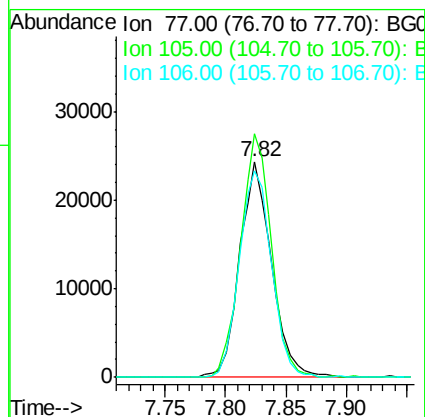
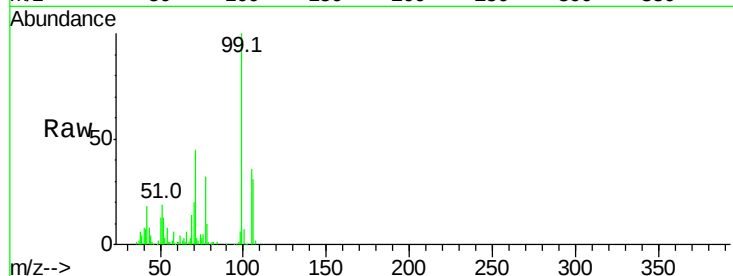
Tot Ion: 77 Resp: 44805

Ion Ratio Lower Upper

77 100

105 112.8 71.3 111.3#

106 95.8 64.2 104.2



#10

Phenol

Concen: 37.006 ng

RT: 7.86 min Scan# 778

Delta R.T. -0.01 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

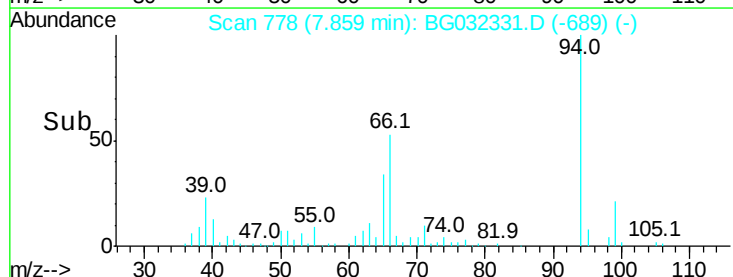
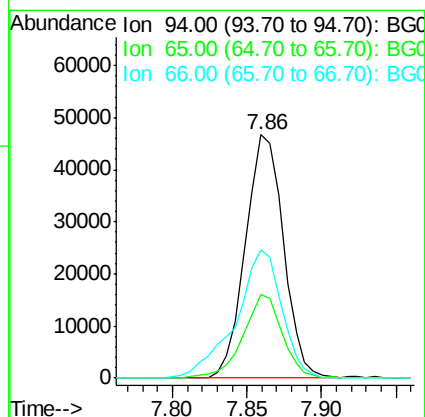
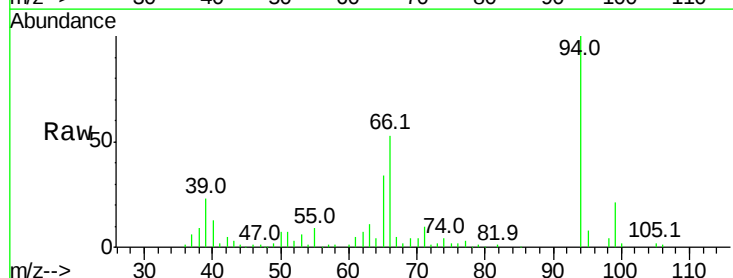
Tgt Ion: 94 Resp: 82535

Ion Ratio Lower Upper

94 100

65 34.2 11.9 51.9

66 52.8 22.2 62.2





#11

bis(2-Chloroethyl)ether

Concen: 36.061 ng

RT: 8.11 min Scan# 821

Delta R.T. -0.00 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

Instrument :

BNA\_G

ClientSampled :

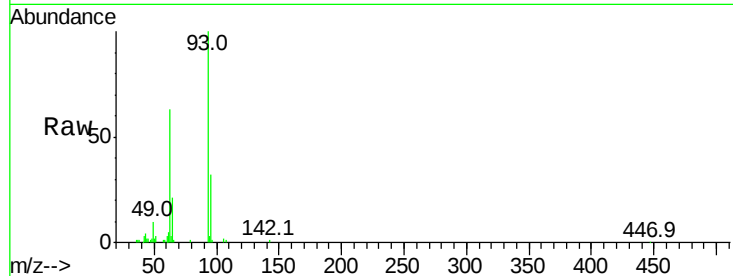
Tot Ion: 93 Resp: 64435

Ion Ratio Lower Upper

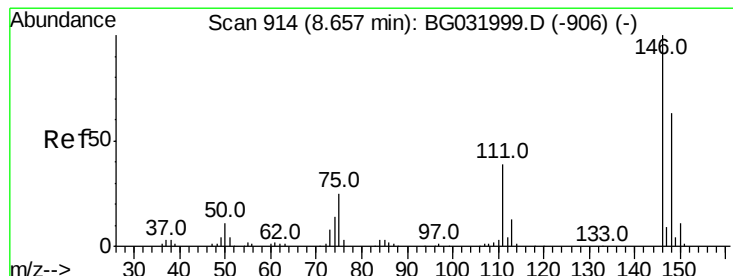
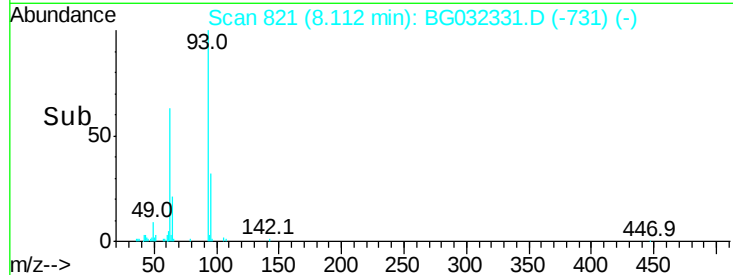
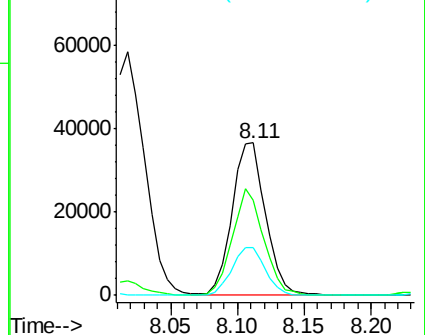
93 100

63 62.8 67.1 107.1#

95 31.7 11.5 51.5



Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC



#12

1,3-Dichlorobenzene

Concen: 40.061 ng

RT: 8.61 min Scan# 905

Delta R.T. -0.01 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

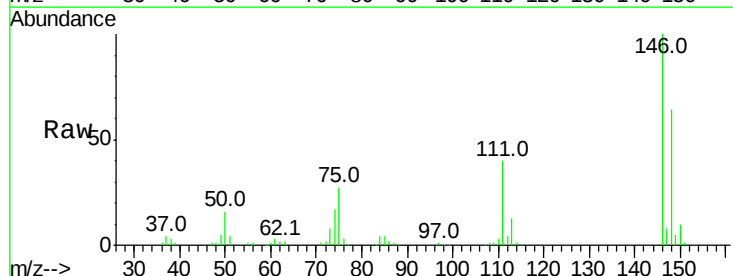
Tgt Ion: 146 Resp: 105472

Ion Ratio Lower Upper

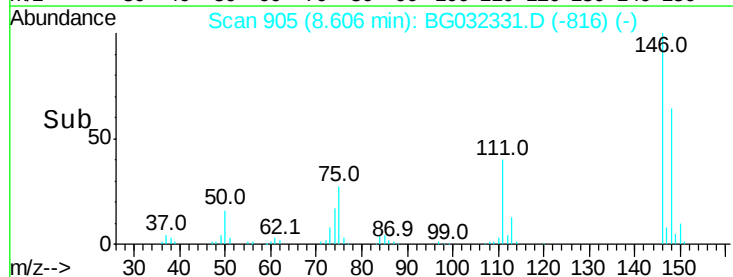
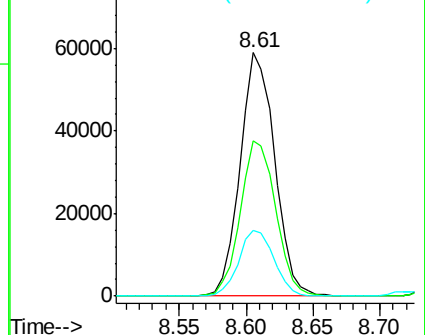
146 100

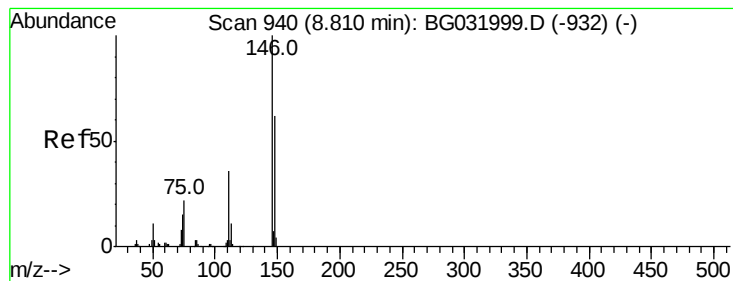
148 63.7 51.4 77.2

75 27.2 26.6 39.8



Abundance Ion 146.00 (145.70 to 146.70): BGC  
Ion 148.00 (147.70 to 148.70): BGC  
Ion 75.00 (74.70 to 75.70): BGC





#13

1,4-Dichlorobenzene

Concen: 40.835 ng

RT: 8.76 min Scan# 931

Delta R.T. -0.01 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

Instrument :

BNA\_G

ClientSampleId :

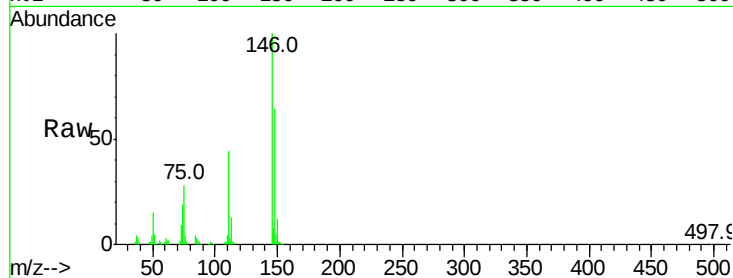
Tot Ion:146 Resp: 108249

Ion Ratio Lower Upper

146 100

148 64.2 53.7 80.5

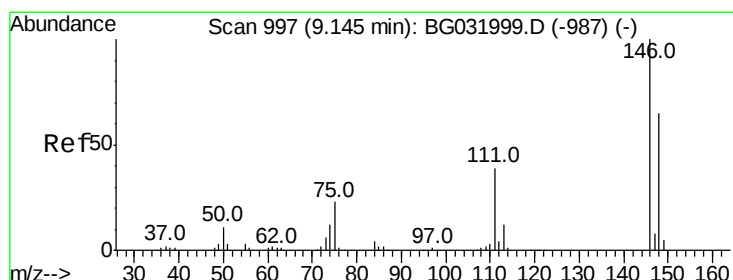
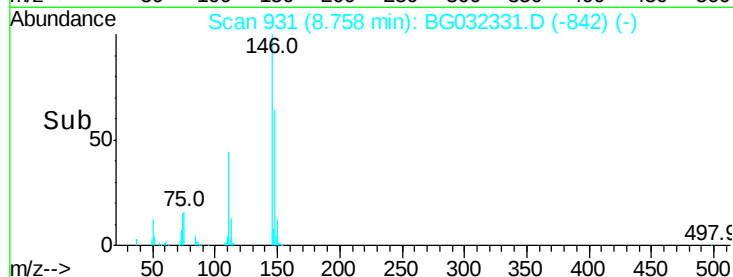
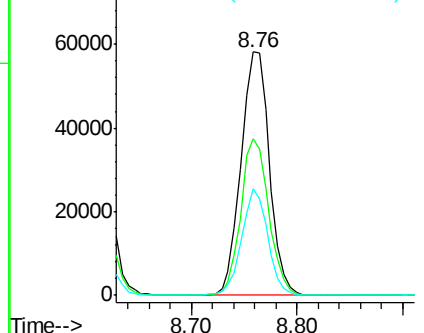
111 43.6 35.2 52.8



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: 40.468 ng

RT: 9.09 min Scan# 988

Delta R.T. -0.00 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

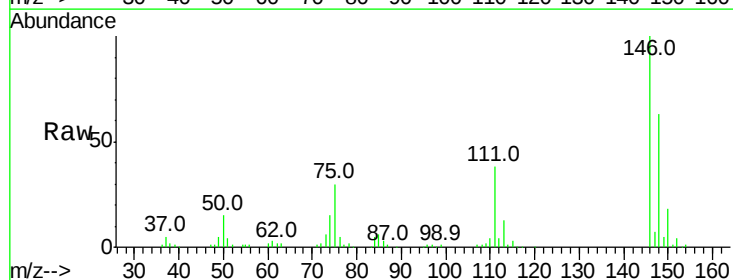
Tgt Ion:146 Resp: 103759

Ion Ratio Lower Upper

146 100

148 63.0 49.3 73.9

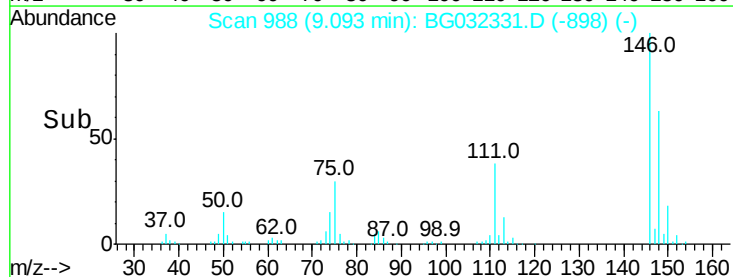
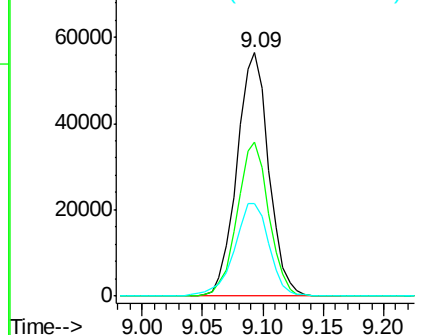
111 38.2 34.3 51.5

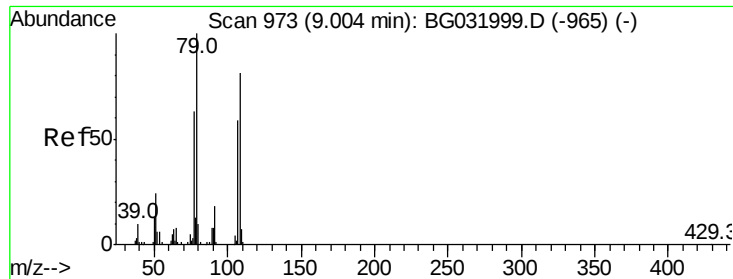


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 43.022 ng

RT: 8.96 min Scan# 965

Delta R.T. -0.01 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

Instrument :

BNA\_G

ClientSampleId :

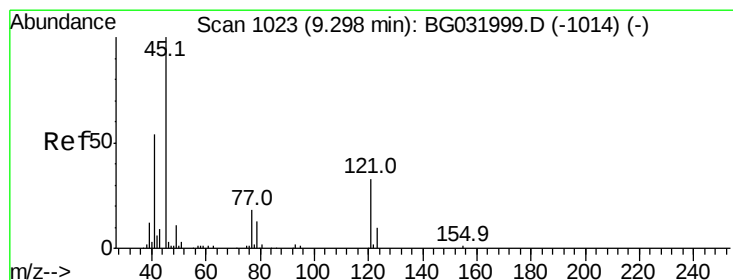
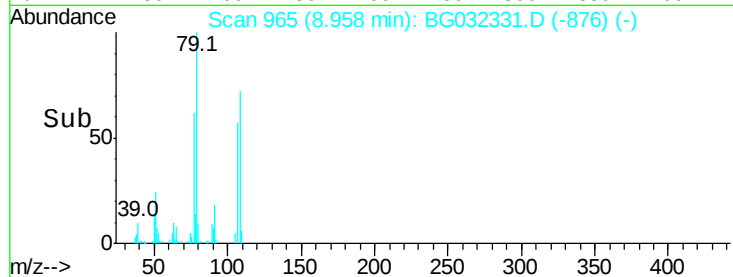
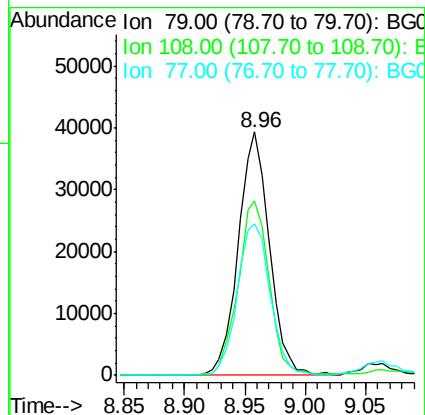
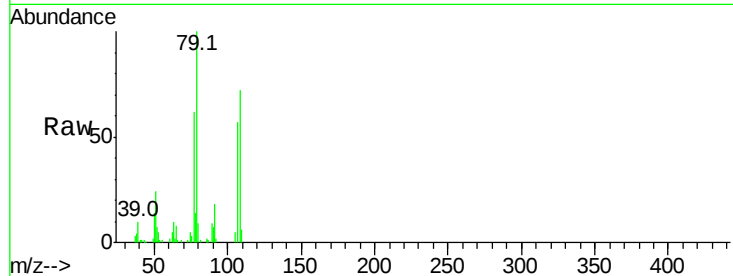
Tot Ion: 79 Resp: 70762

Ion Ratio Lower Upper

79 100

108 71.7 57.2 85.8

77 62.3 46.1 69.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 33.692 ng

RT: 9.25 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

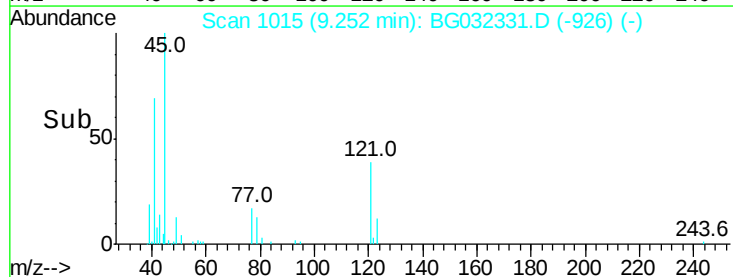
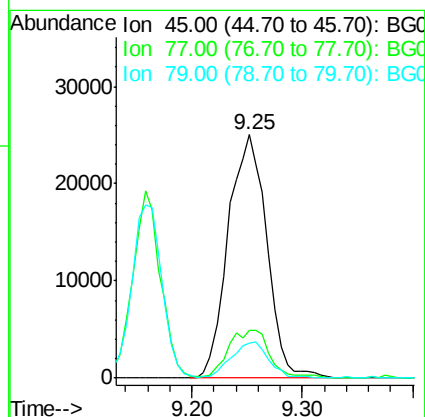
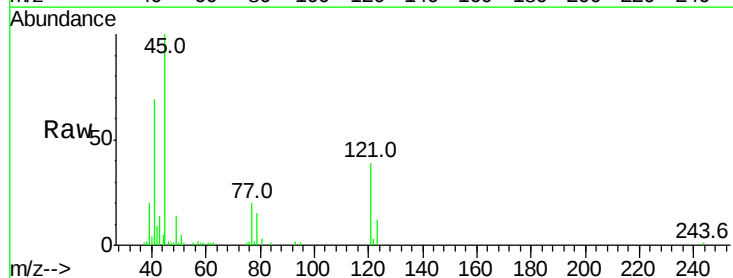
Tgt Ion: 45 Resp: 61182

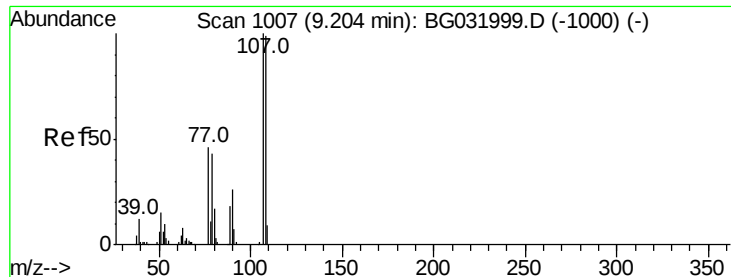
Ion Ratio Lower Upper

45 100

77 19.5 0.0 30.2

79 14.5 0.0 27.9





#17

2-Methylphenol

Concen: 38.190 ng

RT: 9.16 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:107 Resp: 65093

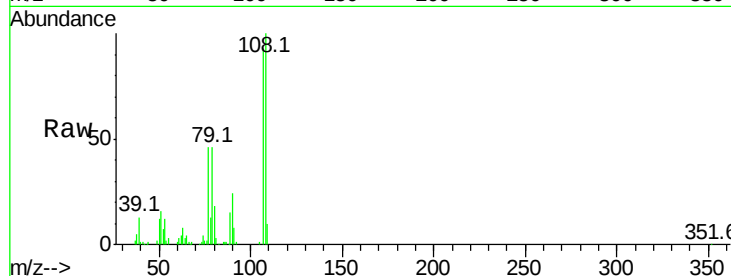
Ion Ratio Lower Upper

107 100

108 107.4 83.9 125.9

77 49.3 37.2 55.8

79 49.7 36.2 54.2

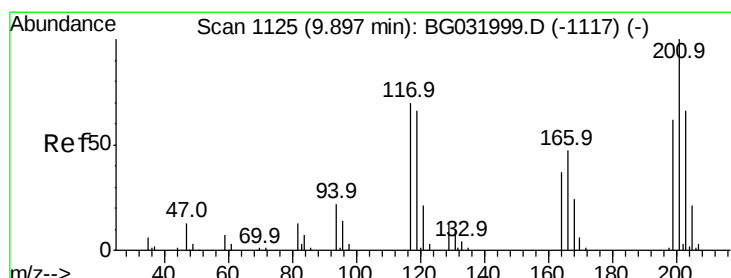
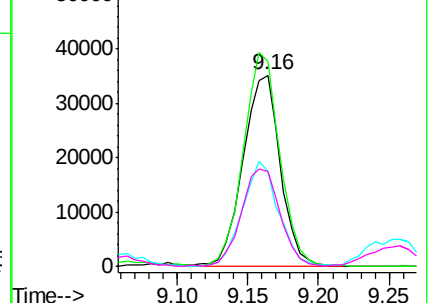
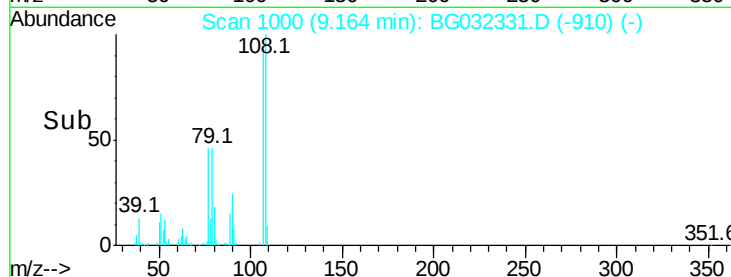


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 42.894 ng

RT: 9.85 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

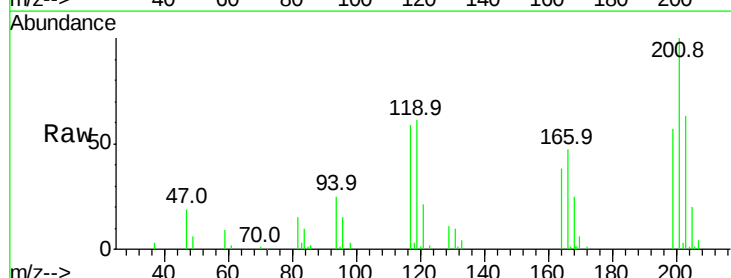
Tgt Ion:117 Resp: 34946

Ion Ratio Lower Upper

117 100

119 102.0 76.7 115.1

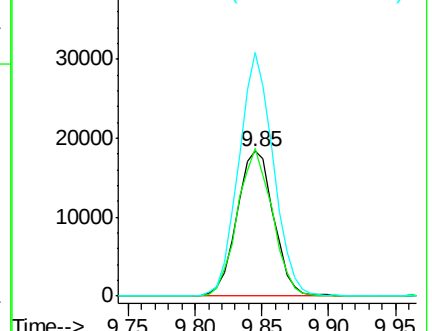
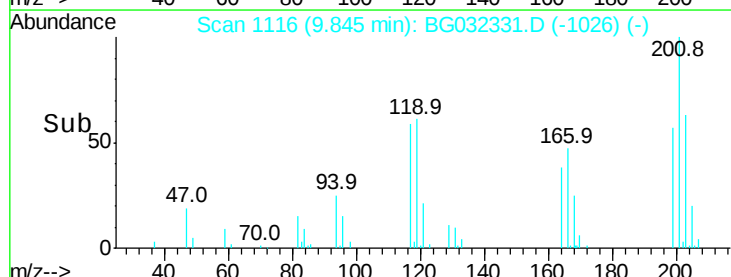
201 168.5 95.7 143.5#

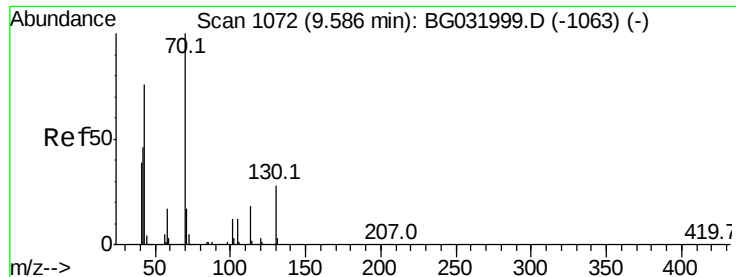


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

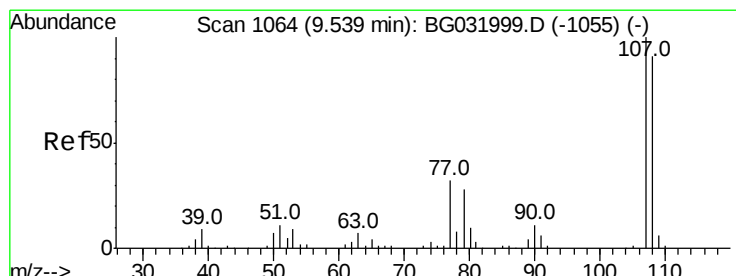
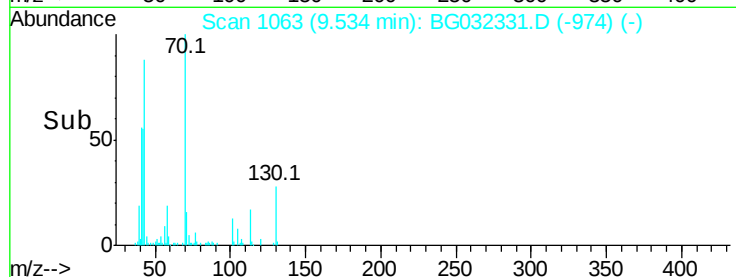
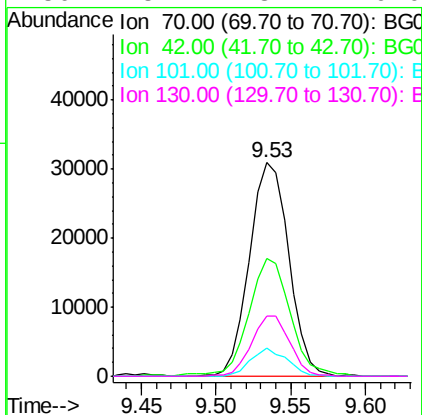
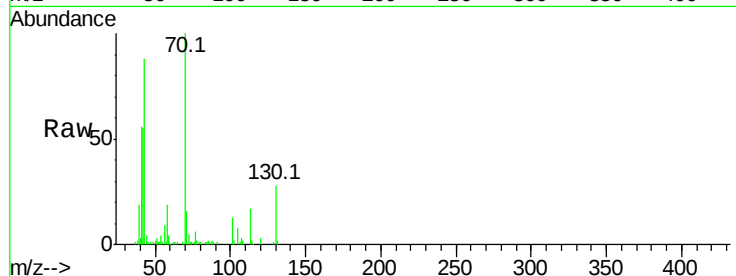




#19  
n-Nitroso-di-n-propylamine  
Concen: 40.196 ng  
RT: 9.53 min Scan# 1063  
Delta R.T. -0.01 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

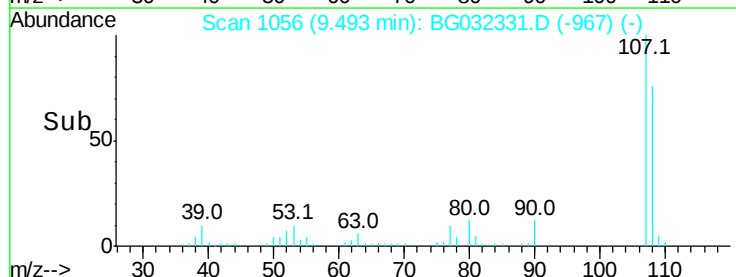
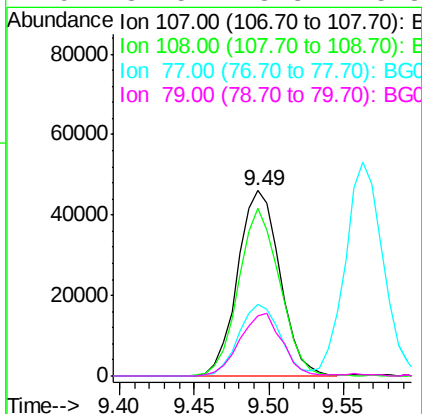
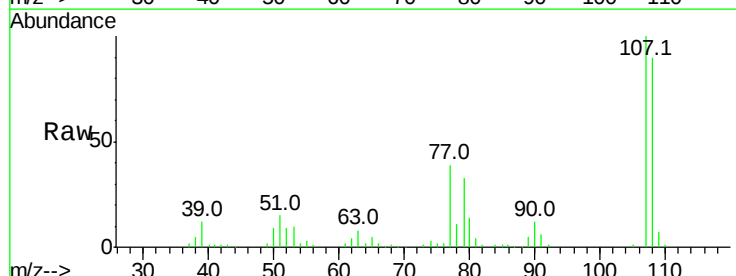
Instrument :  
BNA\_G  
ClientSampleId :

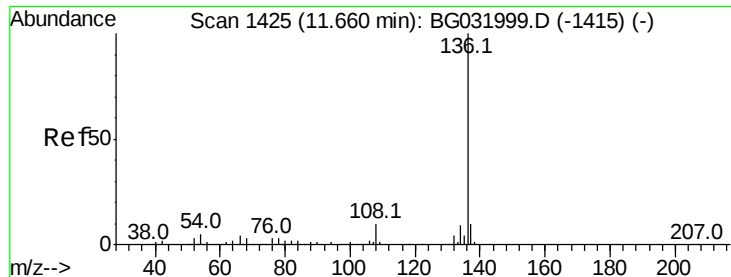
Tot Ion: 70 Resp: 56467  
Ion Ratio Lower Upper  
70 100  
42 55.1 49.1 73.7  
101 13.2 8.5 12.7#  
130 28.4 13.4 20.0#



#20  
3+4-Methylphenols  
Concen: 38.221 ng  
RT: 9.49 min Scan# 1056  
Delta R.T. -0.01 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

Tgt Ion: 107 Resp: 90248  
Ion Ratio Lower Upper  
107 100  
108 90.4 61.6 101.6  
77 39.0 13.9 53.9  
79 32.5 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.60 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:136 Resp: 125657

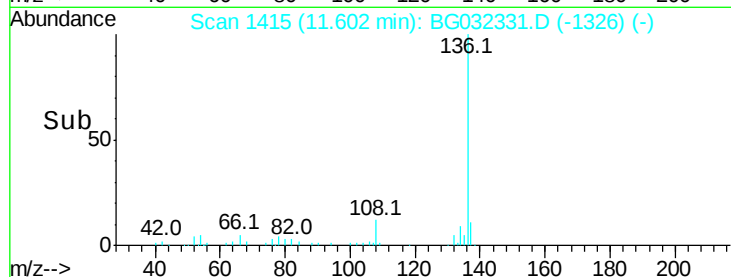
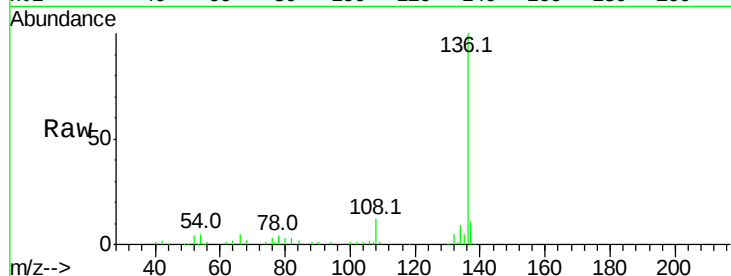
Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 5.2 10.3 15.5#

68 2.3 4.5 6.7#

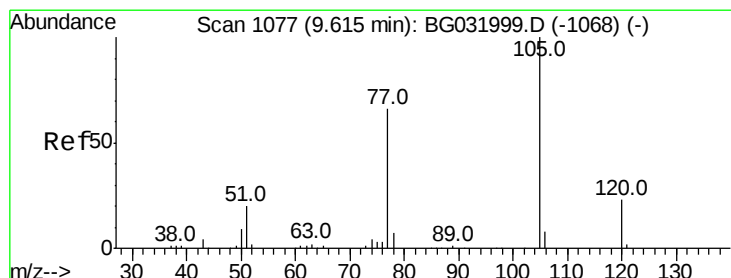
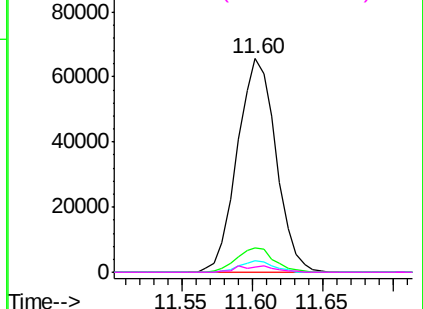


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 42.124 ng

RT: 9.56 min Scan# 1068

Delta R.T. -0.00 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

Tgt Ion:105 Resp: 120235

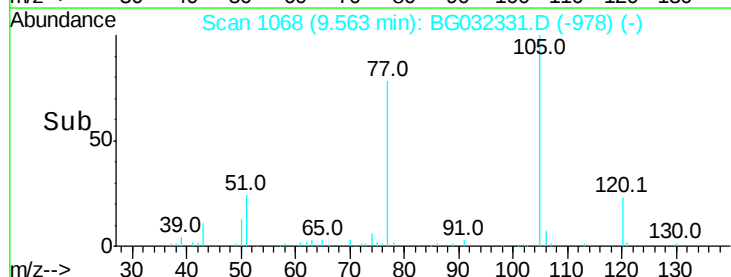
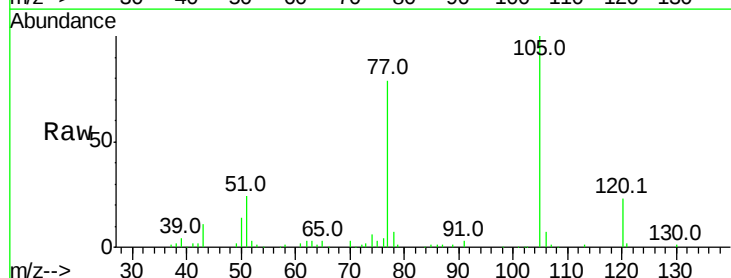
Ion Ratio Lower Upper

105 100

71 0.5 3.0 4.4#

51 24.1 26.1 39.1#

120 22.6 17.4 26.2

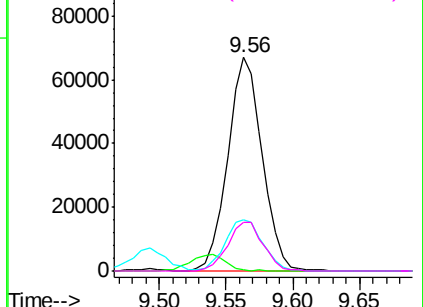


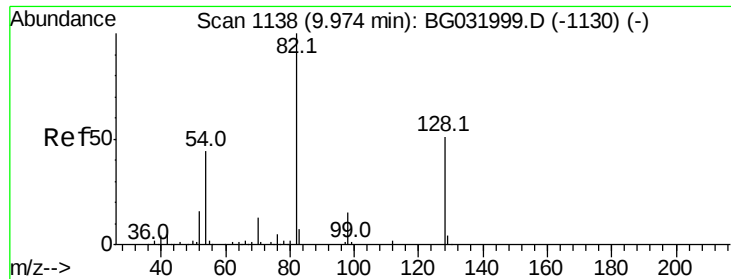
Abundance Ion 105.00 (104.70 to 105.70): E

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

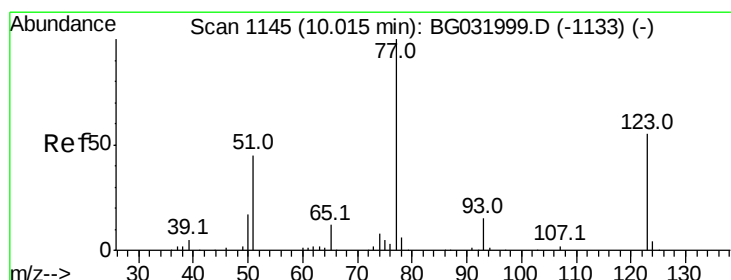
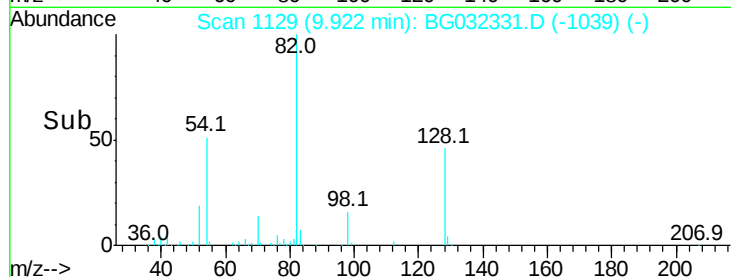
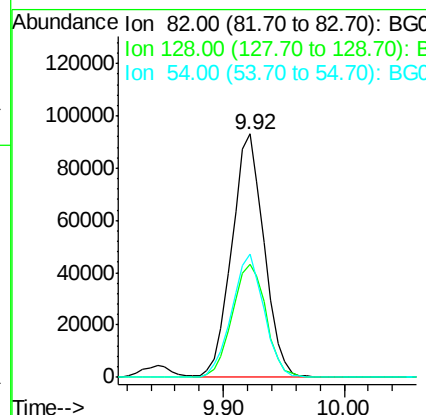
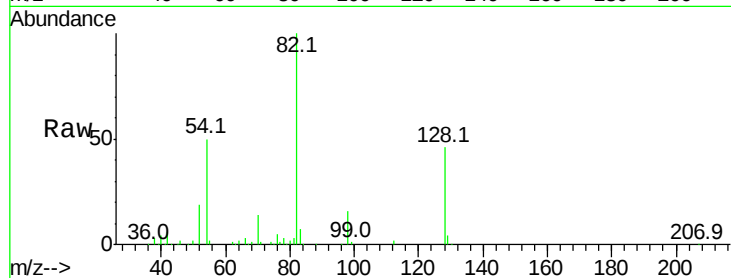




#23  
Nitrobenzene-d5  
Concen: 92.986 ng  
RT: 9.92 min Scan# 1129  
Delta R.T. -0.00 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

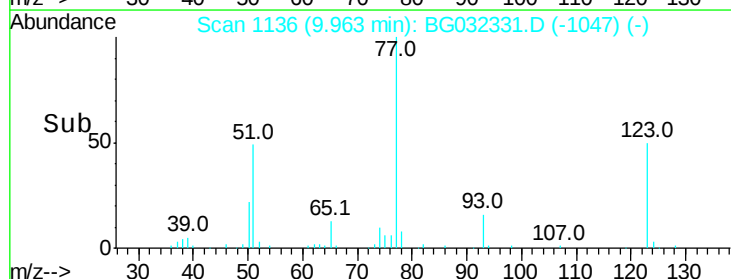
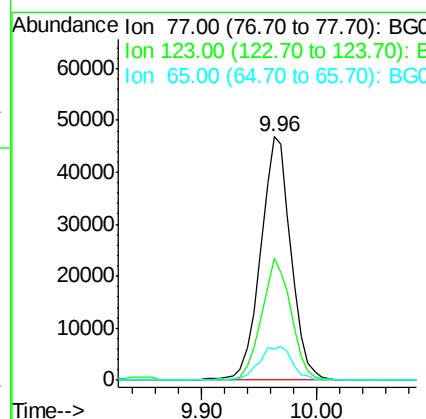
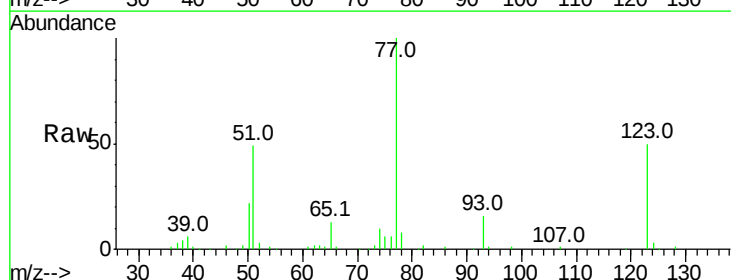
Instrument :  
BNA\_G  
ClientSampleId :

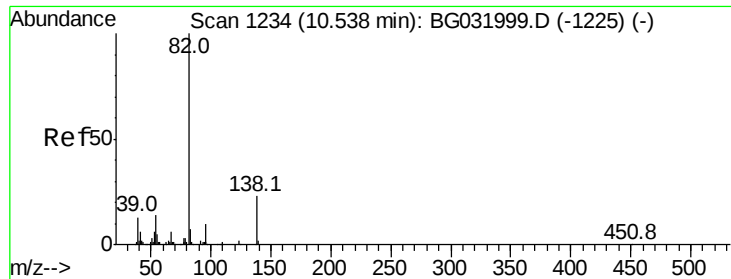
Tot Ion: 82 Resp: 172706  
Ion Ratio Lower Upper  
82 100  
128 46.4 29.7 44.5#  
54 50.4 43.1 64.7



#24  
Nitrobenzene  
Concen: 45.986 ng  
RT: 9.96 min Scan# 1136  
Delta R.T. -0.01 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

Tgt Ion: 77 Resp: 85197  
Ion Ratio Lower Upper  
77 100  
123 50.2 33.0 49.6#  
65 12.7 13.0 19.6#





#25

Isophorone

Concen: 42.425 ng

RT: 10.49 min Scan# 1225

Delta R.T. -0.01 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

Instrument :

BNA\_G

ClientSampleId :

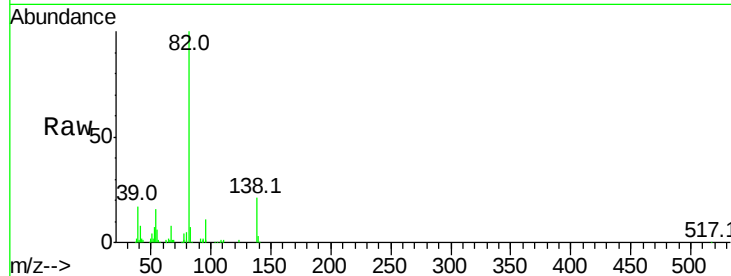
Tot Ion: 82 Resp: 146724

Ion Ratio Lower Upper

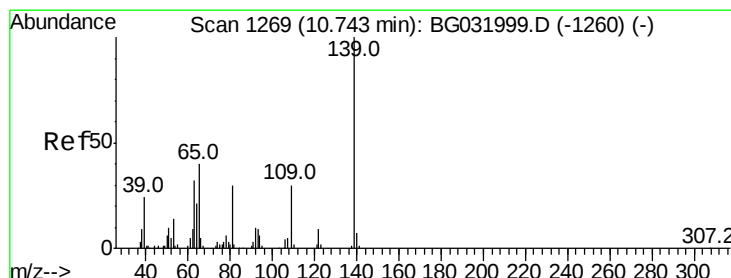
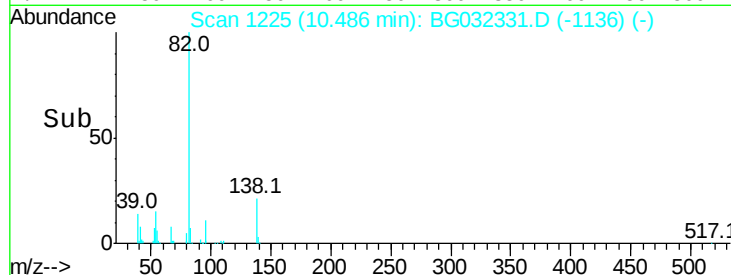
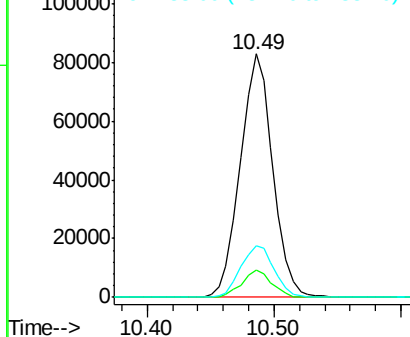
82 100

95 11.1 6.2 9.2#

138 21.3 12.1 18.1#



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



#26

2-Nitrophenol

Concen: 47.366 ng

RT: 10.69 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

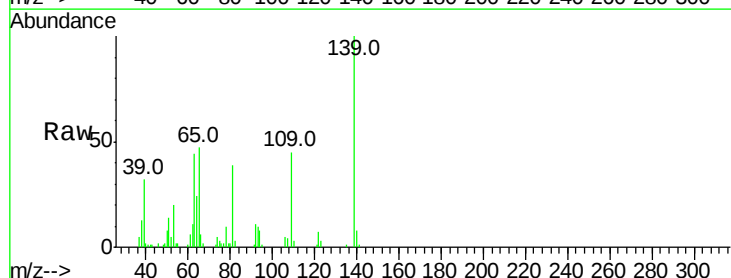
Tgt Ion: 139 Resp: 51997

Ion Ratio Lower Upper

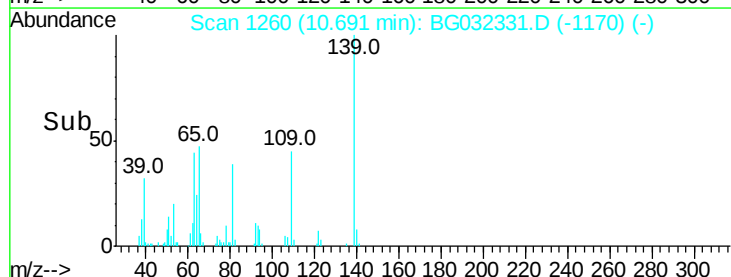
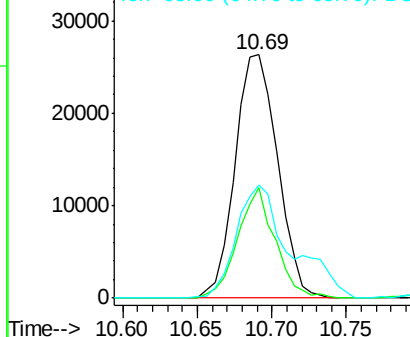
139 100

109 45.2 24.2 36.2#

65 46.6 47.4 71.0#



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

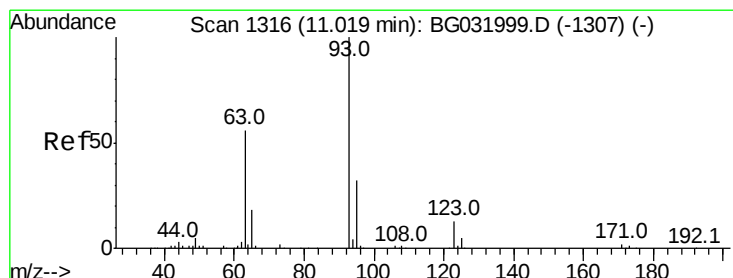
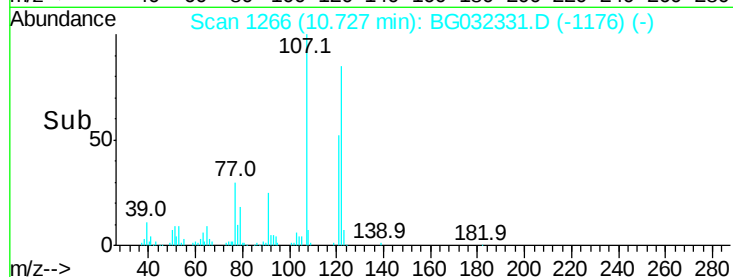
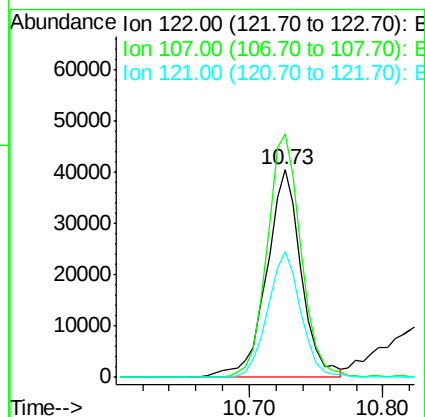
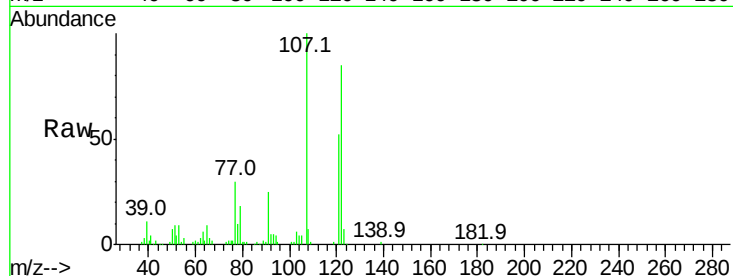




#27  
2,4-Dimethylphenol  
Concen: 41.872 ng  
RT: 10.73 min Scan# 1266  
Delta R.T. -0.00 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

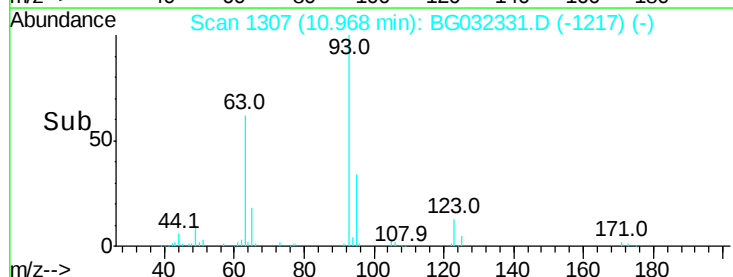
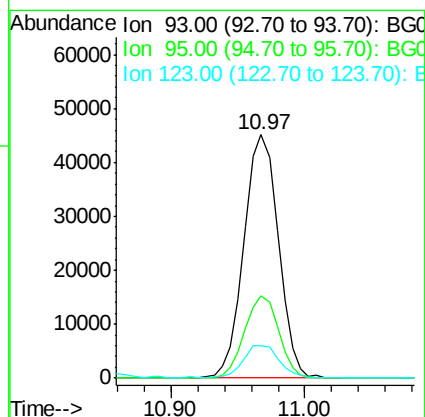
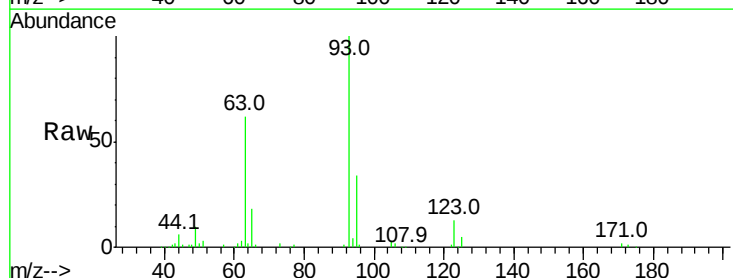
Instrument :  
BNA\_G  
ClientSampleId :

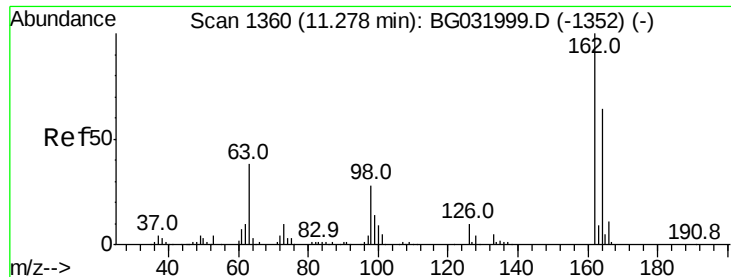
Tot Ion:122 Resp: 72943  
Ion Ratio Lower Upper  
122 100  
107 117.2 100.2 150.2  
121 60.5 44.4 66.6



#28  
bis(2-Chloroethoxy)methane  
Concen: 38.692 ng  
RT: 10.97 min Scan# 1307  
Delta R.T. -0.00 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

Tgt Ion: 93 Resp: 80623  
Ion Ratio Lower Upper  
93 100  
95 33.7 24.3 36.5  
123 13.2 8.4 12.6#

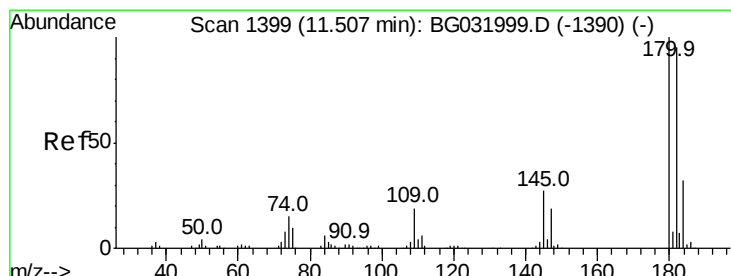
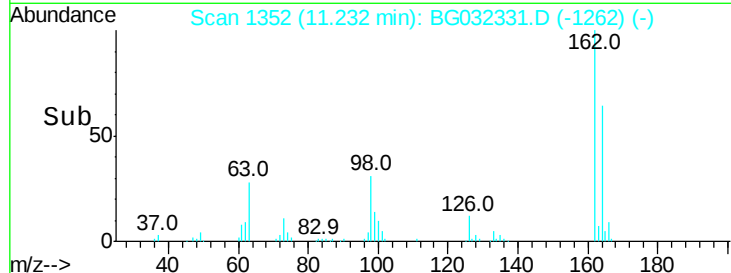
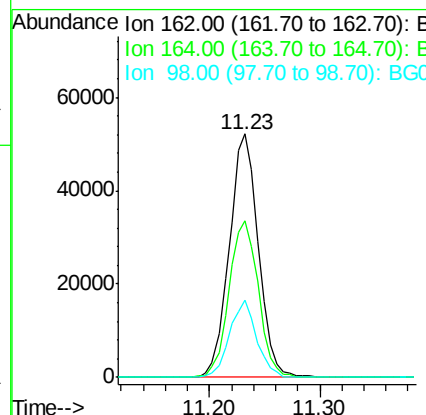
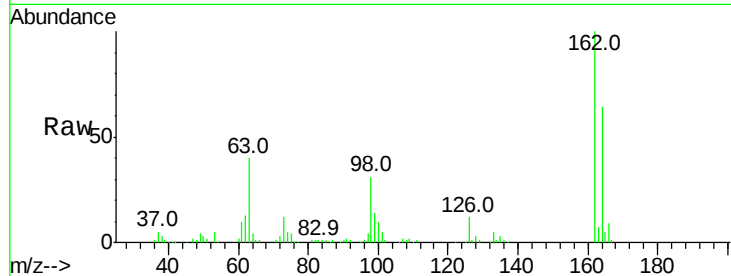




#29  
 2,4-Dichlorophenol  
 Concen: 44.755 ng  
 RT: 11.23 min Scan# 1352  
 Delta R.T. -0.00 min  
 Lab File: BG032331.D  
 Acq: 26 Jan 2018 16:52

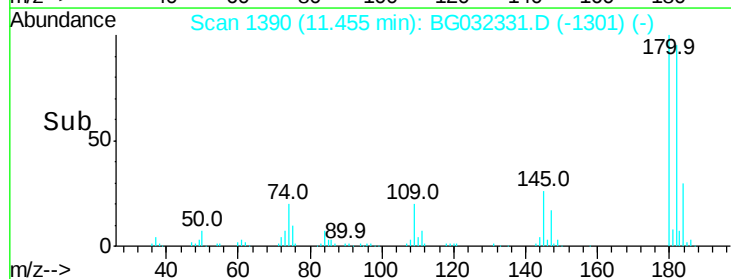
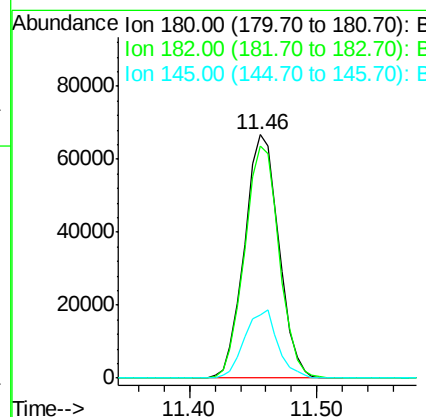
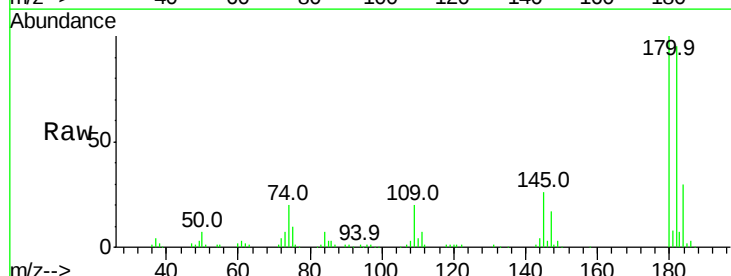
Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:162 Resp: 95933  
 Ion Ratio Lower Upper  
 162 100  
 164 64.5 48.0 88.0  
 98 31.5 21.1 61.1



#30  
 1,2,4-Trichlorobenzene  
 Concen: 45.351 ng  
 RT: 11.46 min Scan# 1390  
 Delta R.T. -0.01 min  
 Lab File: BG032331.D  
 Acq: 26 Jan 2018 16:52

Tgt Ion:180 Resp: 125545  
 Ion Ratio Lower Upper  
 180 100  
 182 95.3 77.5 116.3  
 145 26.0 23.4 35.2

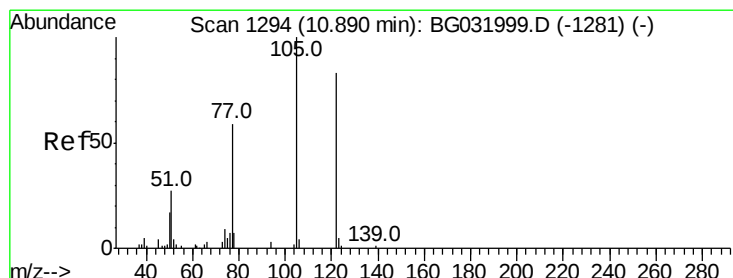
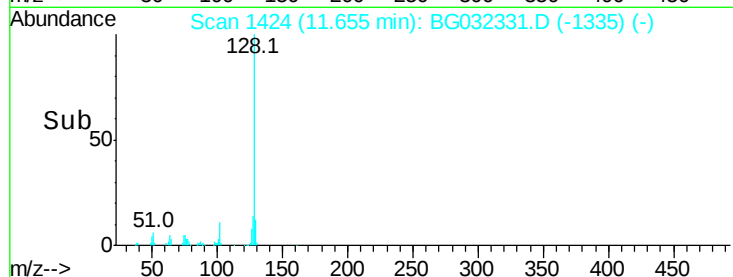
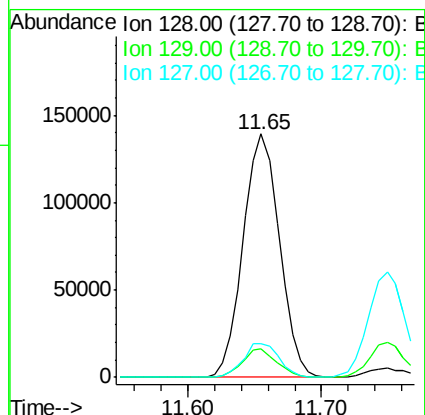
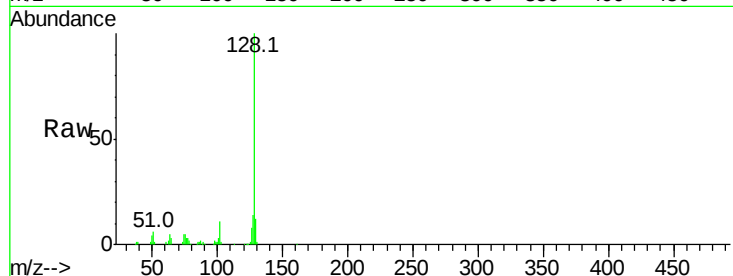




#31  
Naphthalene  
Concen: 42.220 ng  
RT: 11.65 min Scan# 1424  
Delta R.T. -0.01 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

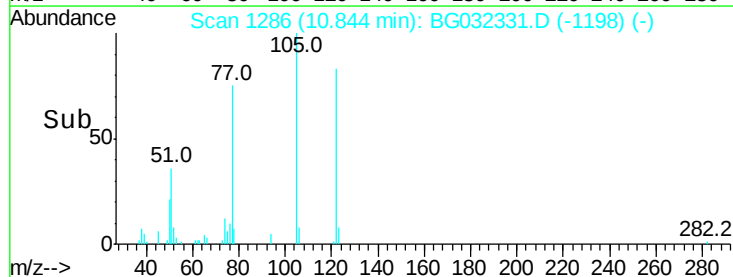
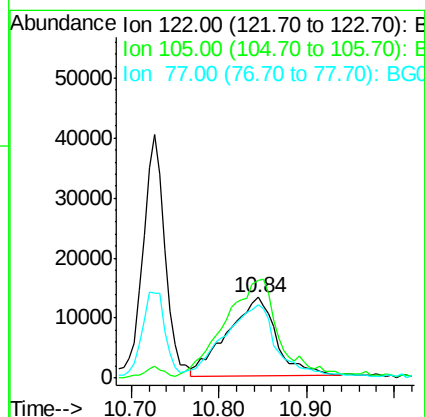
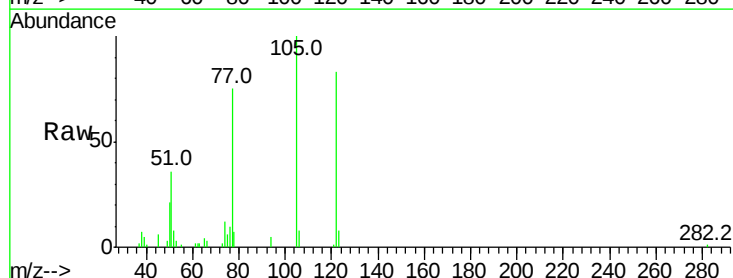
Instrument :  
BNA\_G  
ClientSampleId :

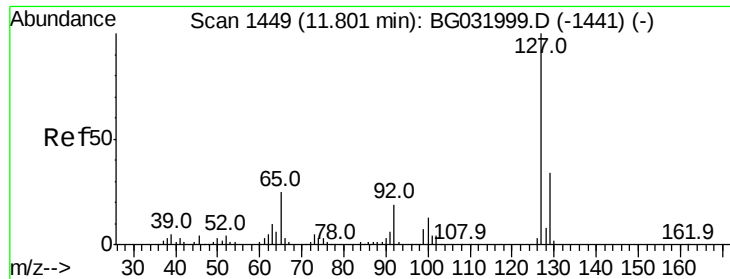
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.6  | 8.6   | 12.8  |
| 127     | 14.1  | 11.6  | 17.4  |



#32  
Benzoic acid  
Concen: 37.408 ng  
RT: 10.84 min Scan# 1286  
Delta R.T. -0.01 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 120.2 | 123.5 | 163.5# |
| 77      | 90.1  | 85.7  | 125.7  |

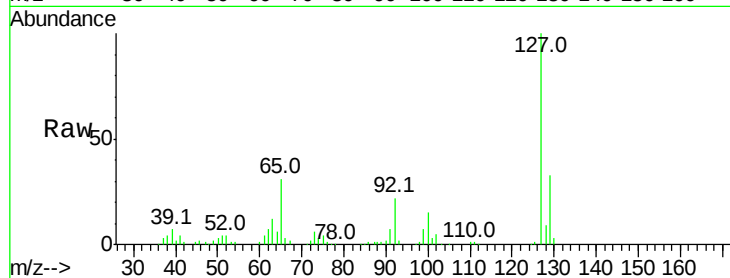




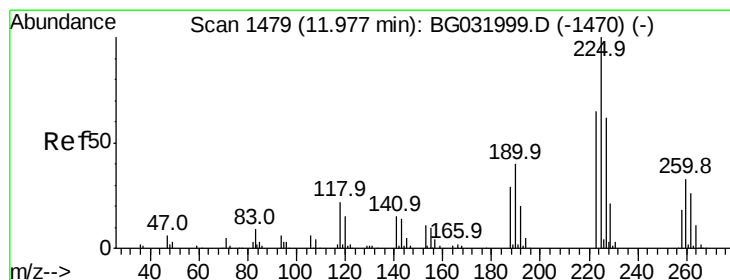
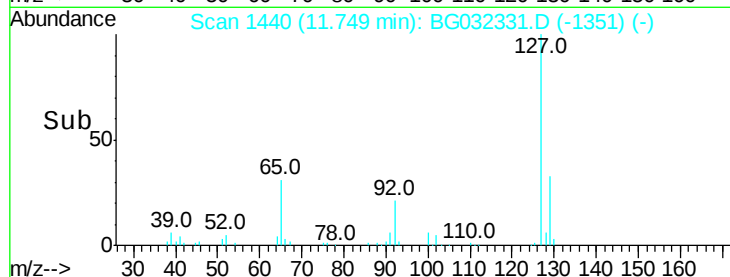
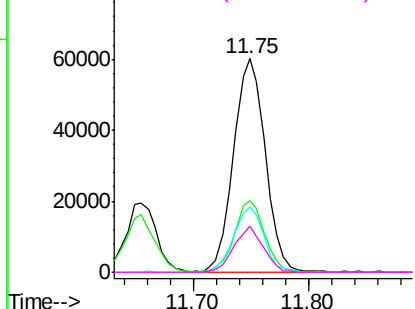
#33  
4-Chloroaniline  
Concen: 42.932 ng  
RT: 11.75 min Scan# 1440  
Delta R.T. -0.01 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 114599 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.5  | 24.0  | 36.0   |
| 65       | 30.8  | 27.0  | 40.4   |
| 92       | 21.7  | 16.6  | 25.0   |

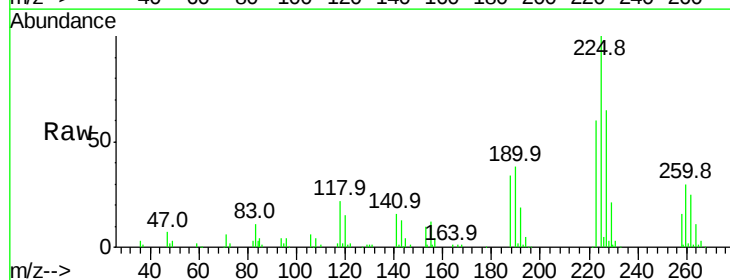


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC

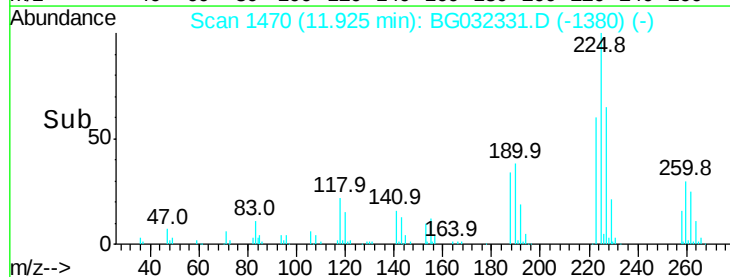
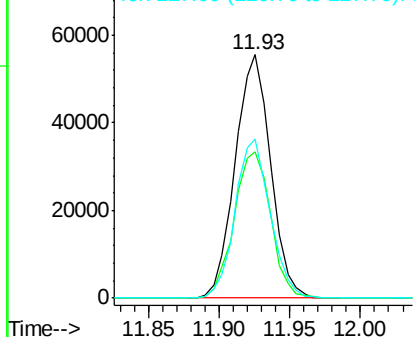


#34  
Hexachlorobutadiene  
Concen: 49.047 ng  
RT: 11.93 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 97522 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 60.3  | 49.7  | 74.5  |
| 227      | 65.2  | 48.1  | 72.1  |



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





#35

Caprolactam

Concen: 44.497 ng

RT: 12.50 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

Instrument :

BNA\_G

ClientSampleId :

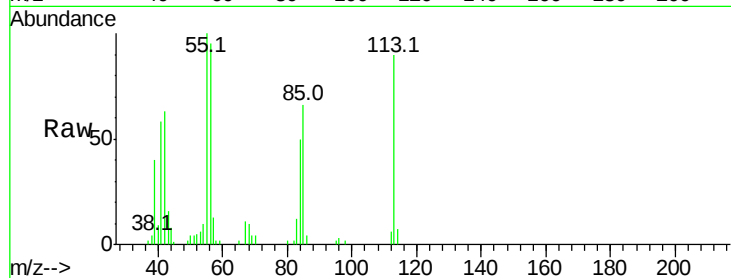
Tot Ion:113 Resp: 28936

Ion Ratio Lower Upper

113 100

55 110.7 186.9 226.9#

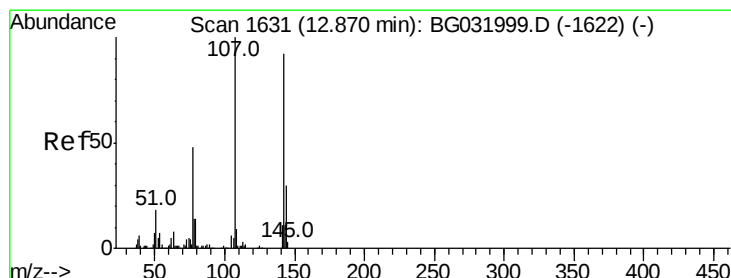
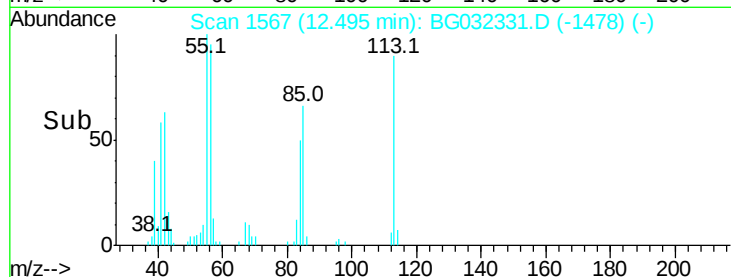
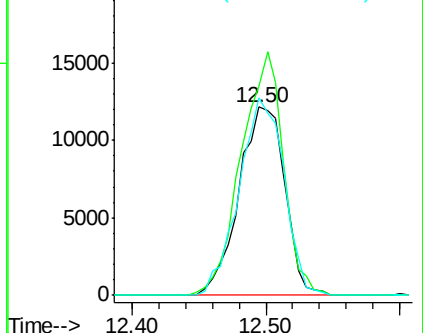
56 105.1 130.9 170.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 45.209 ng

RT: 12.82 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

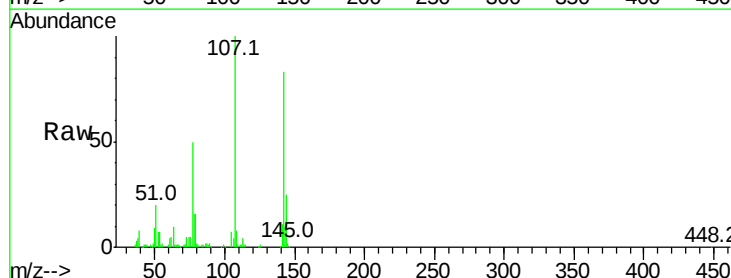
Tgt Ion:107 Resp: 88701

Ion Ratio Lower Upper

107 100

144 24.9 18.2 27.4

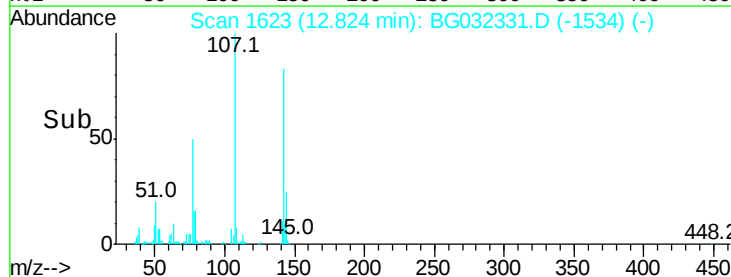
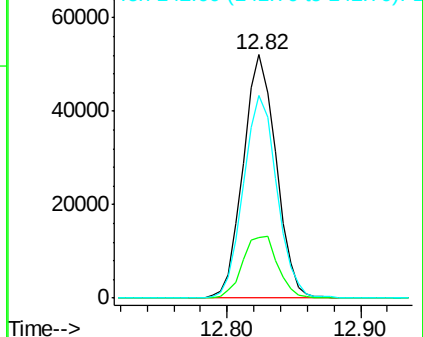
142 83.0 59.0 88.4

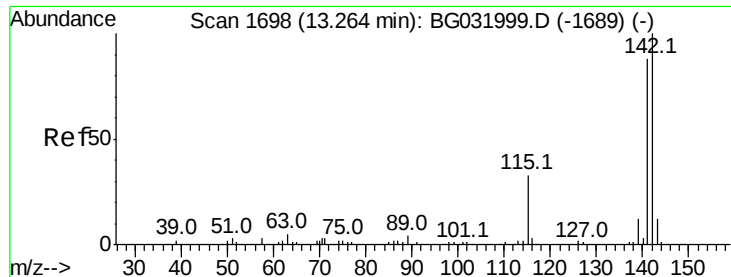


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

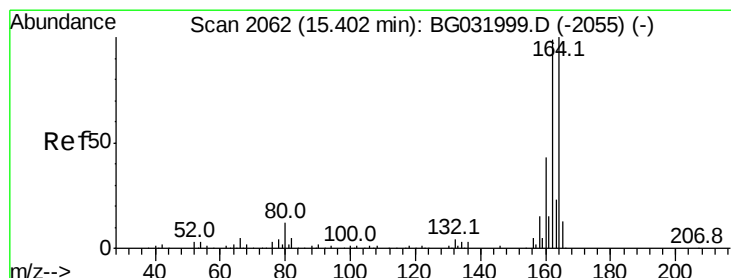
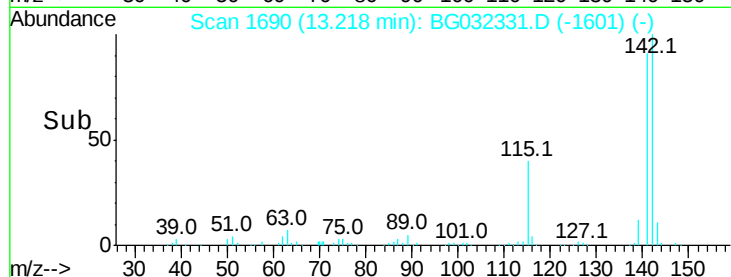
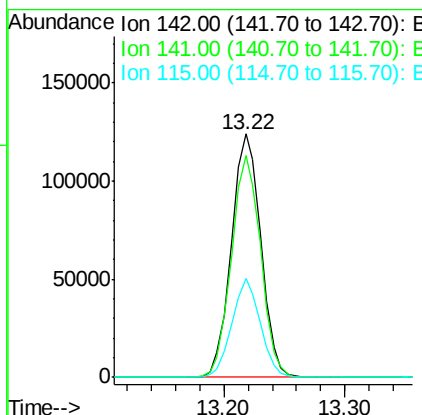
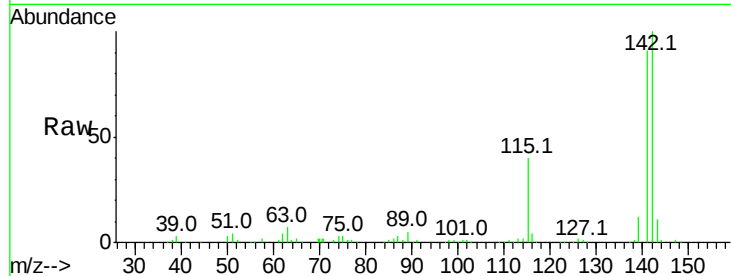




#37  
2-Methylnaphthalene  
Concen: 42.592 ng  
RT: 13.22 min Scan# 1690  
Delta R.T. -0.01 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

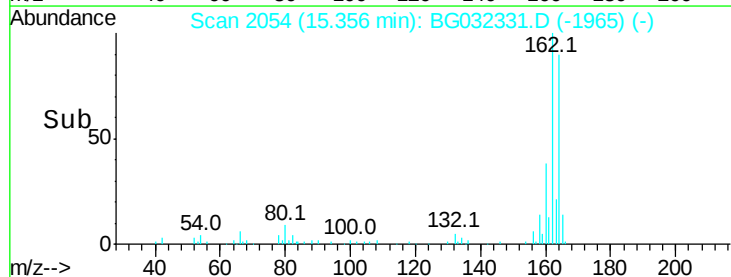
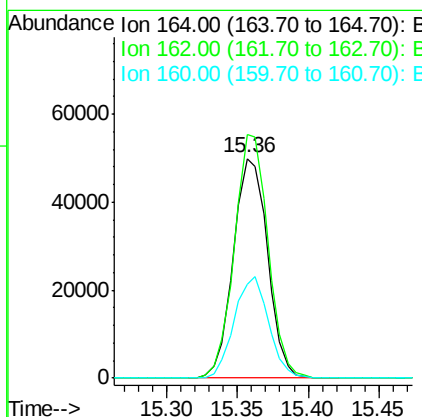
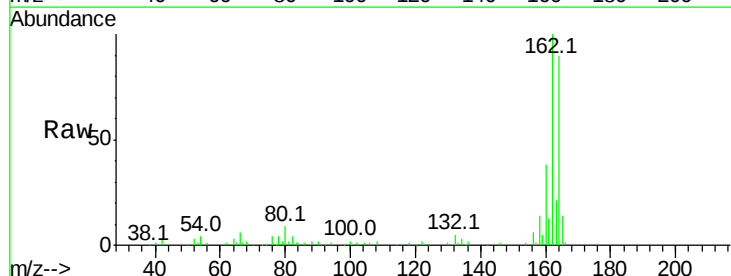
Instrument :  
BNA\_G  
ClientSampleId :

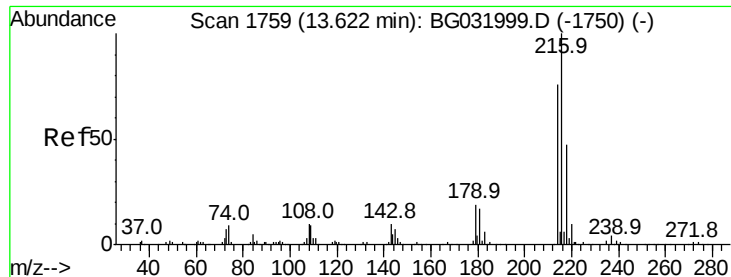
Tot Ion:142 Resp: 210486  
Ion Ratio Lower Upper  
142 100  
141 90.9 67.1 100.7  
115 40.4 30.7 46.1



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.36 min Scan# 2054  
Delta R.T. -0.01 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

Tgt Ion:164 Resp: 84675  
Ion Ratio Lower Upper  
164 100  
162 110.8 78.8 118.2  
160 42.6 35.4 53.0

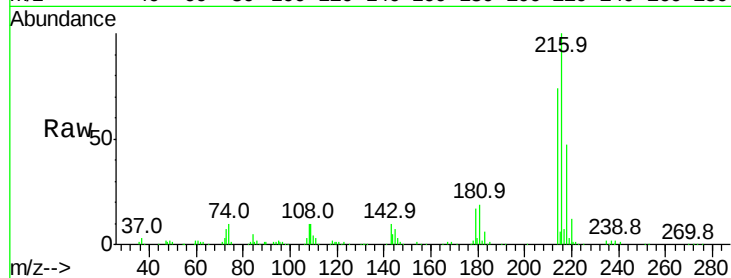




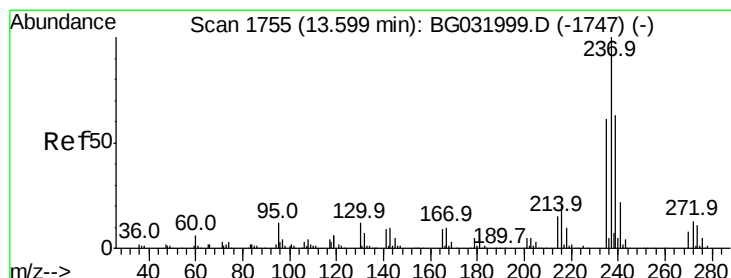
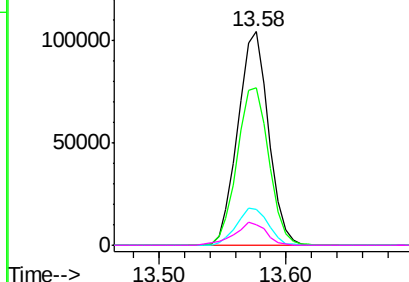
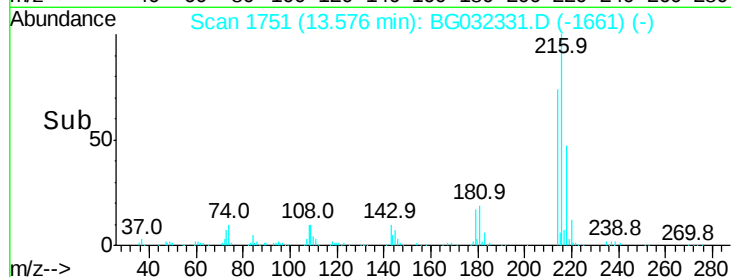
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 47.159 ng  
 RT: 13.58 min Scan# 1751  
 Delta R.T. -0.00 min  
 Lab File: BG032331.D  
 Acq: 26 Jan 2018 16:52

Instrument :  
 BNA\_G  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 216   | Resp: | 174062 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 76.4  | 63.0  | 94.4   |
| 179      | 18.0  | 17.0  | 25.6   |
| 108      | 11.3  | 12.8  | 19.2#  |

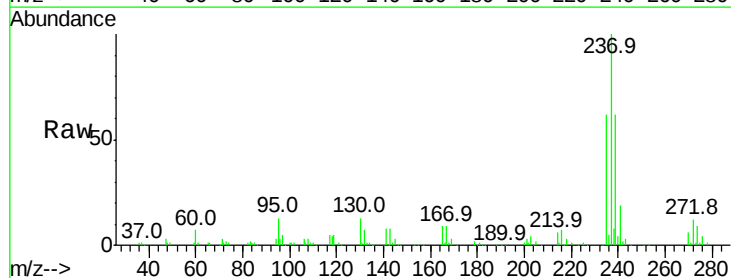


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

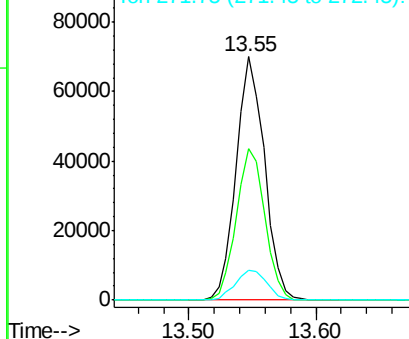
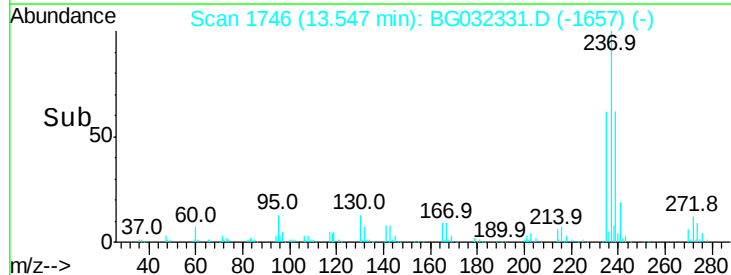


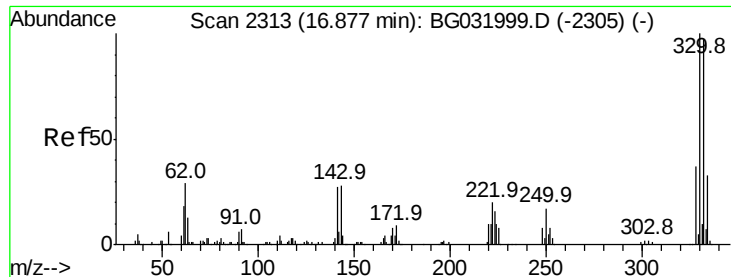
#40  
 Hexachlorocyclopentadiene  
 Concen: 52.156 ng  
 RT: 13.55 min Scan# 1746  
 Delta R.T. -0.01 min  
 Lab File: BG032331.D  
 Acq: 26 Jan 2018 16:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 237   | Resp: | 108426 |
| Ion      | Ratio | Lower | Upper  |
| 237      | 100   |       |        |
| 235      | 62.4  | 50.4  | 90.4   |
| 272      | 12.1  | 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: 97.382 ng

RT: 16.84 min Scan# 2306

Delta R.T. -0.00 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

Instrument :

BNA\_G

ClientSampled :

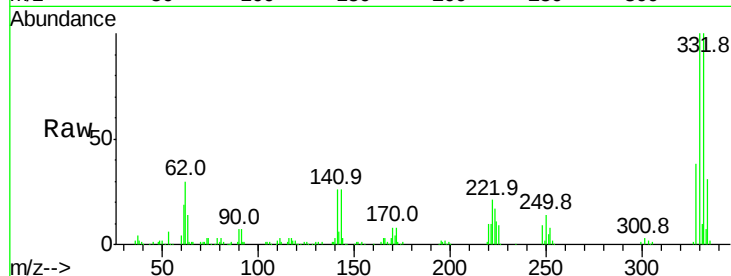
Tot Ion:330 Resp: 136449

Ion Ratio Lower Upper

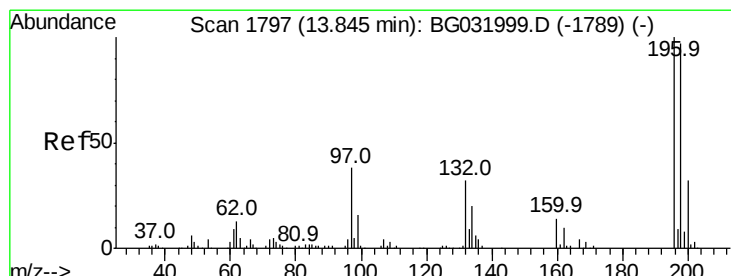
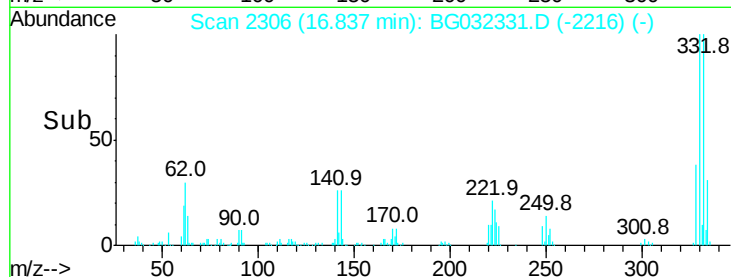
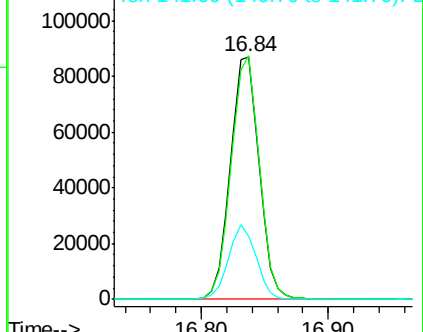
330 100

332 97.9 77.0 115.6

141 29.4 25.2 37.8



Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 46.202 ng

RT: 13.80 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

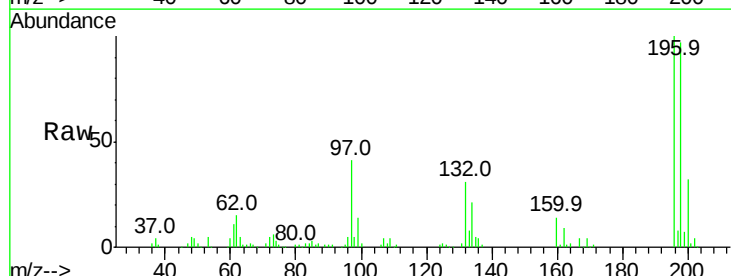
Tgt Ion:196 Resp: 95818

Ion Ratio Lower Upper

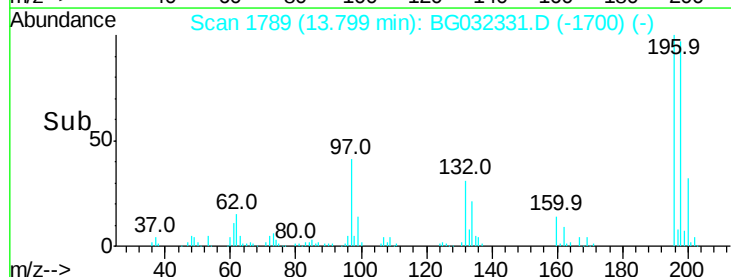
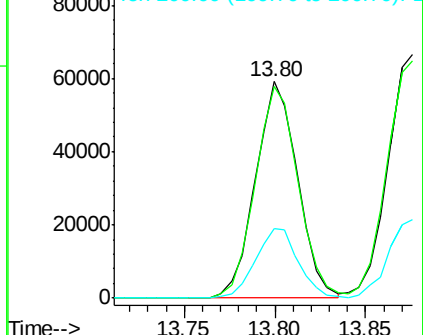
196 100

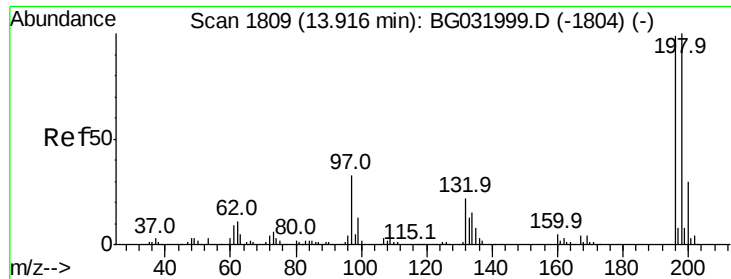
198 97.5 78.2 117.2

200 32.3 24.6 36.8



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

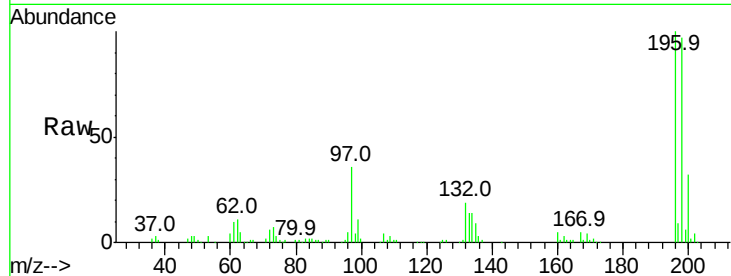




#43  
 2,4,5-Trichlorophenol  
 Concen: 46.574 ng  
 RT: 13.88 min Scan# 1802  
 Delta R.T. -0.00 min  
 Lab File: BG032331.D  
 Acq: 26 Jan 2018 16:52

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 97.3  | 76.2  | 114.4 |
| 97      | 35.5  | 38.7  | 58.1# |
| 132     | 19.1  | 20.2  | 30.2# |



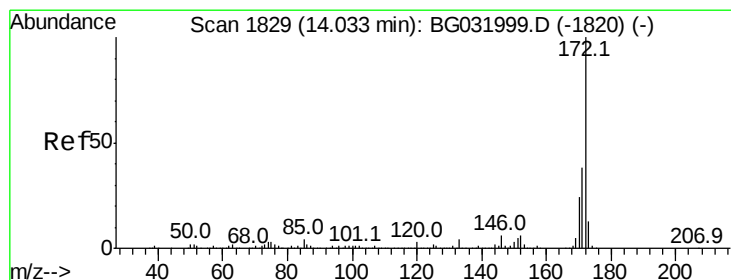
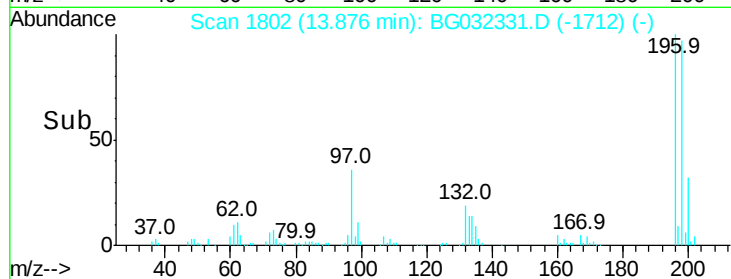
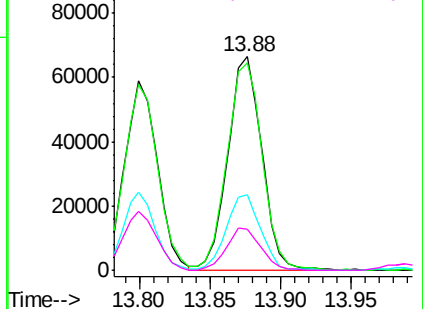
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 88.274 ng  
 RT: 13.99 min Scan# 1821  
 Delta R.T. -0.00 min  
 Lab File: BG032331.D  
 Acq: 26 Jan 2018 16:52

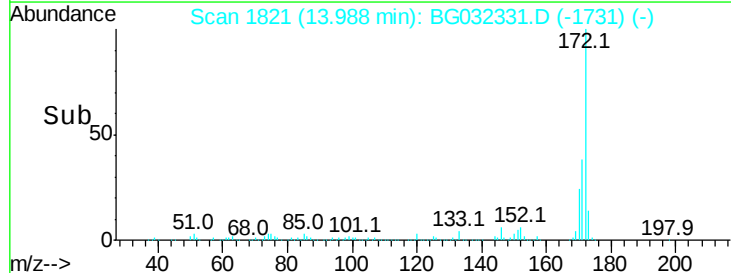
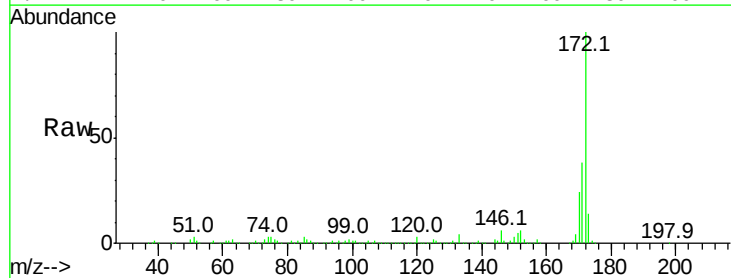
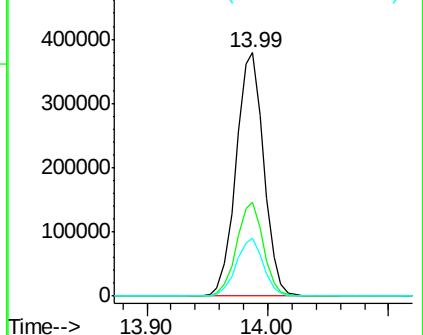
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.4  | 30.0  | 45.0  |
| 170     | 24.0  | 19.5  | 29.3  |

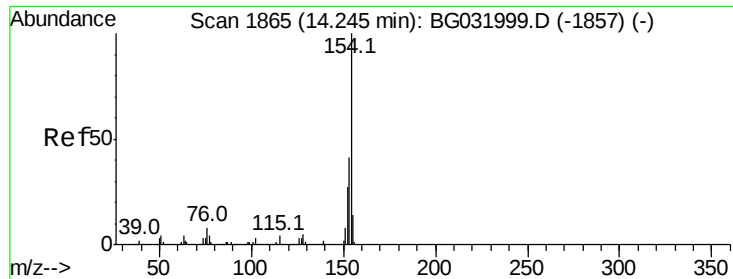
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

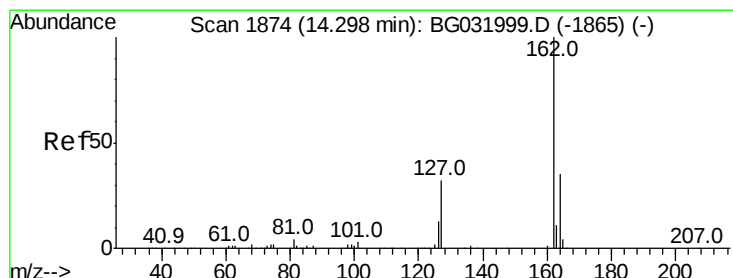
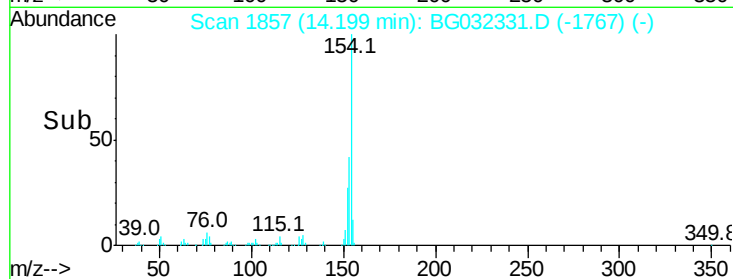
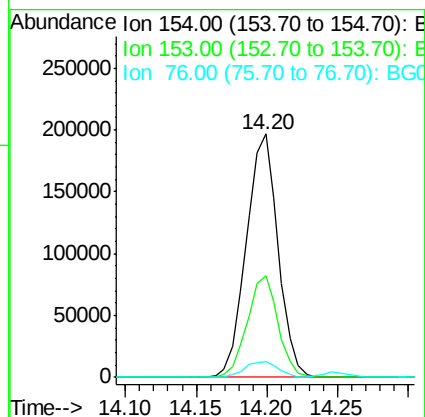
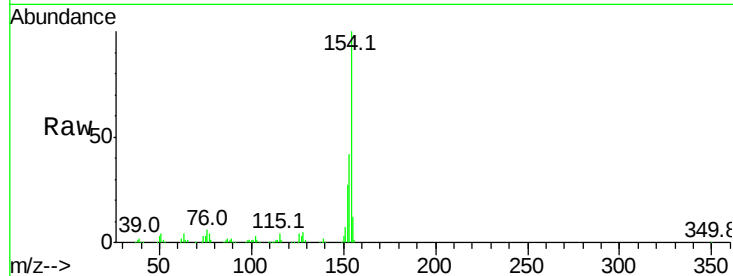




#45  
 1,1'-Biphenyl  
 Concen: 42.688 ng  
 RT: 14.20 min Scan# 1857  
 Delta R.T. -0.00 min  
 Lab File: BG032331.D  
 Acq: 26 Jan 2018 16:52

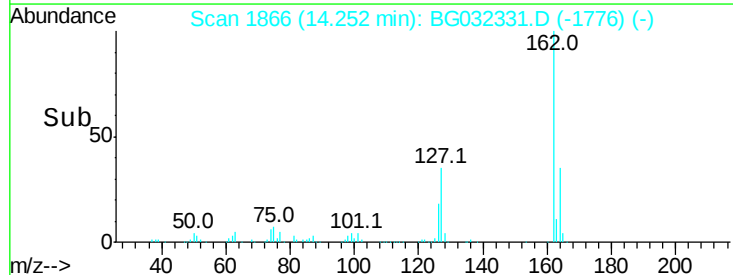
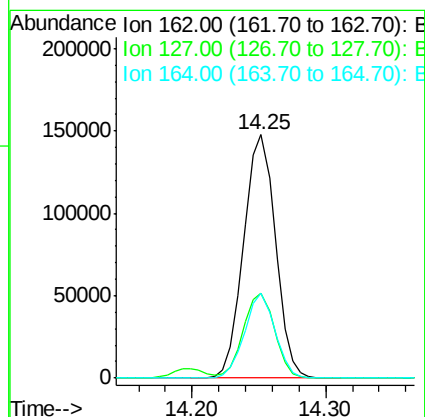
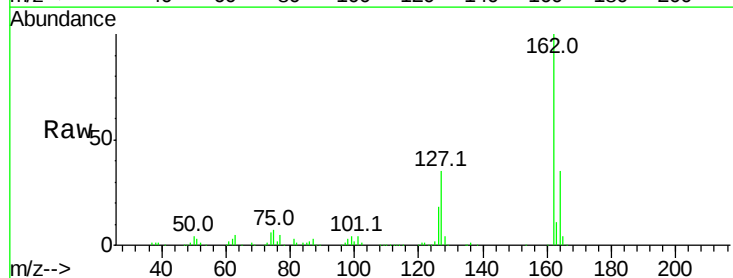
Instrument :  
 BNA\_G  
 ClientSampleId :

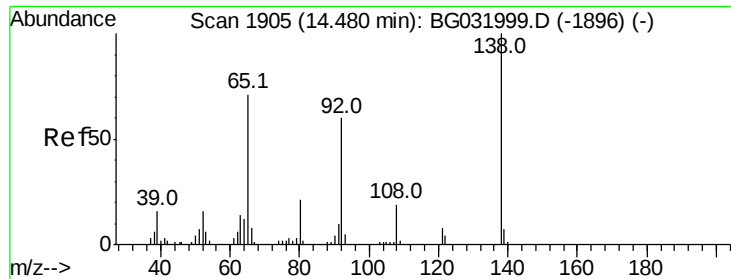
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.9  | 19.8  | 59.8  |
| 76      | 6.4   | 0.0   | 31.9  |



#46  
 2-Chloronaphthalene  
 Concen: 43.072 ng  
 RT: 14.25 min Scan# 1866  
 Delta R.T. -0.00 min  
 Lab File: BG032331.D  
 Acq: 26 Jan 2018 16:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 35.1  | 30.7  | 46.1  |
| 164     | 34.8  | 26.0  | 39.0  |

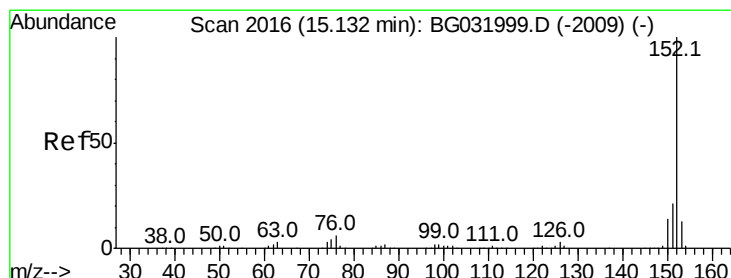
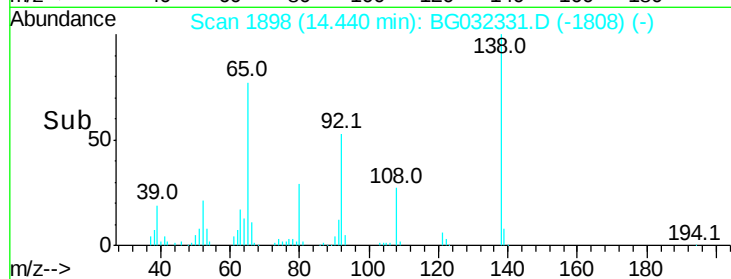
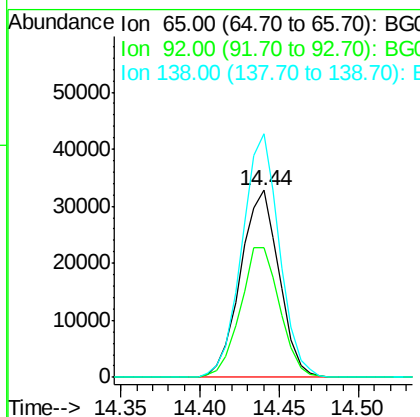
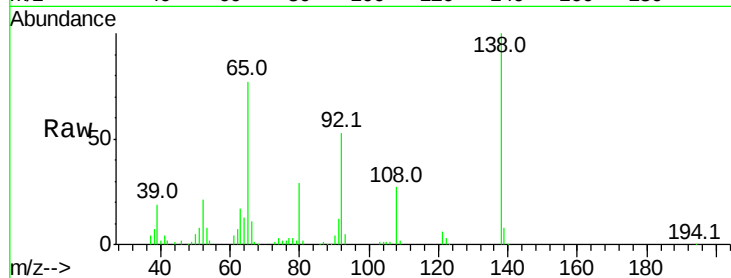




#47  
2-Nitroaniline  
Concen: 51.206 ng  
RT: 14.44 min Scan# 1898  
Delta R.T. -0.00 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

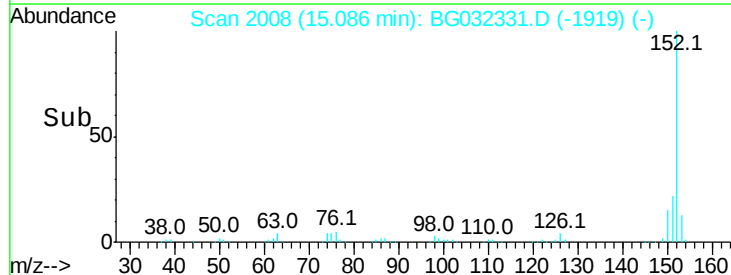
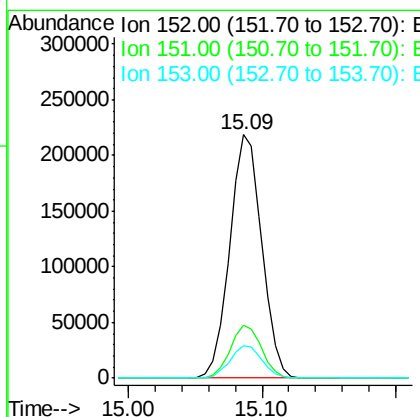
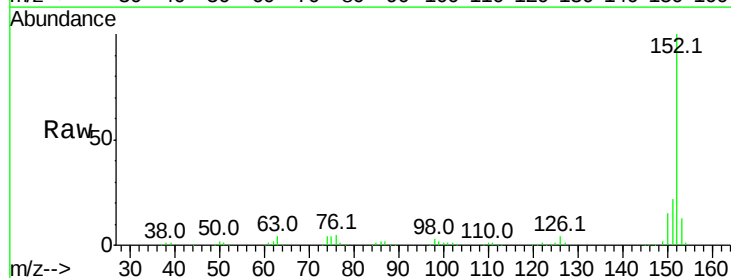
Instrument :  
BNA\_G  
ClientSampleId :

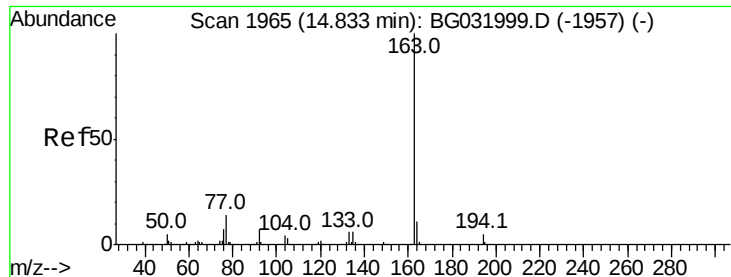
Tot Ion: 65 Resp: 55357  
Ion Ratio Lower Upper  
65 100  
92 69.4 54.6 82.0  
138 130.4 72.9 109.3#



#48  
Acenaphthylene  
Concen: 42.375 ng  
RT: 15.09 min Scan# 2008  
Delta R.T. -0.01 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

Tgt Ion: 152 Resp: 364392  
Ion Ratio Lower Upper  
152 100  
151 21.5 17.2 25.8  
153 13.3 10.2 15.4





#49

Dimethylphthalate

Concen: 44.035 ng

RT: 14.79 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

Instrument :

BNA\_G

ClientSampleId :

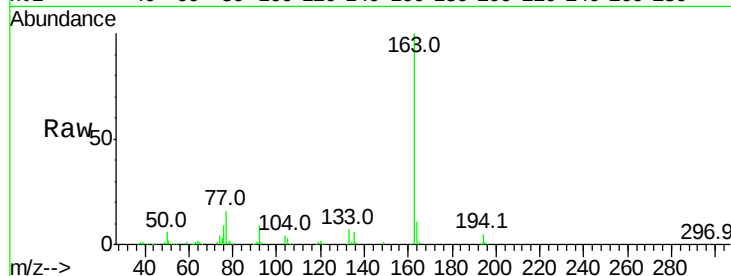
Tot Ion:163 Resp: 326293

Ion Ratio Lower Upper

163 100

194 4.7 3.4 5.2

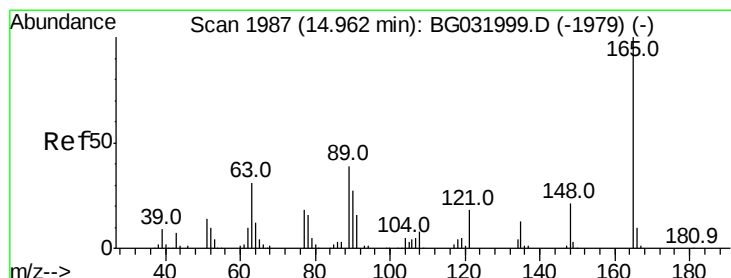
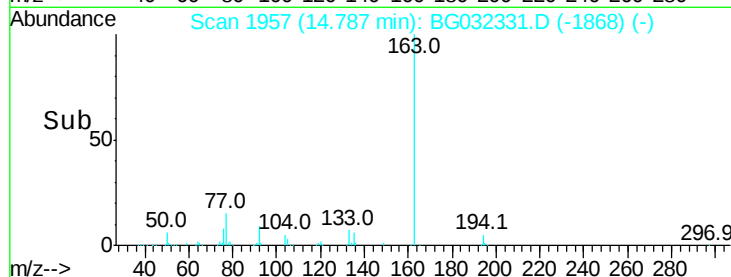
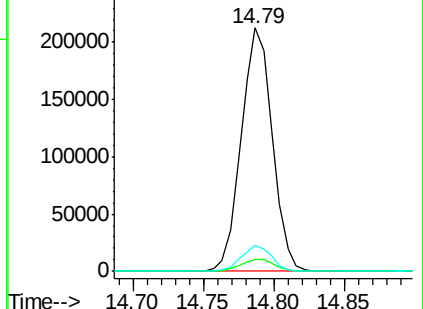
164 10.9 8.2 12.4



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: 45.666 ng

RT: 14.92 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

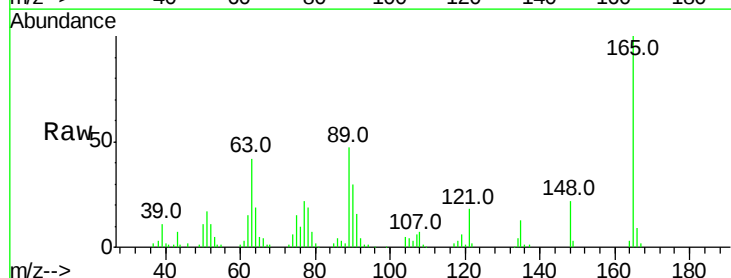
Tgt Ion:165 Resp: 70235

Ion Ratio Lower Upper

165 100

63 42.2 52.7 79.1#

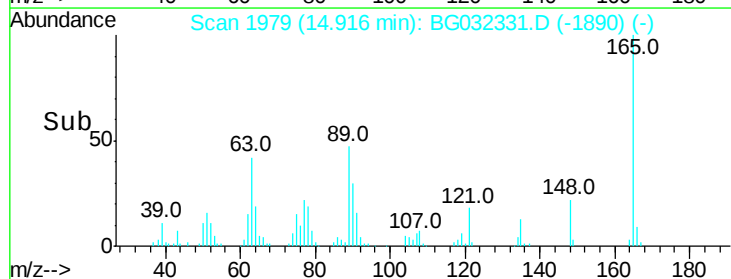
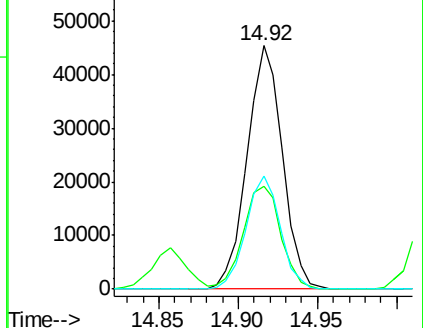
89 46.6 49.2 73.8#

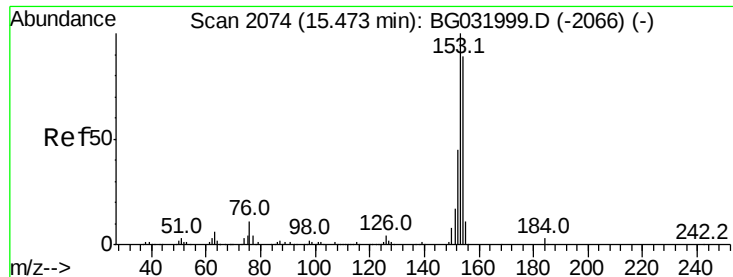


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 44.830 ng

RT: 15.42 min Scan# 2065

Delta R.T. -0.01 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

Instrument :

BNA\_G

ClientSampled :

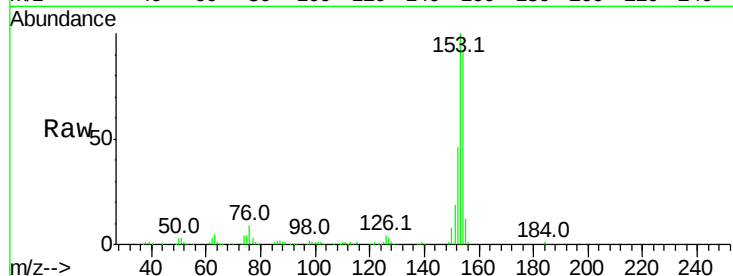
Tot Ion:154 Resp: 254909

Ion Ratio Lower Upper

154 100

153 109.9 90.4 135.6

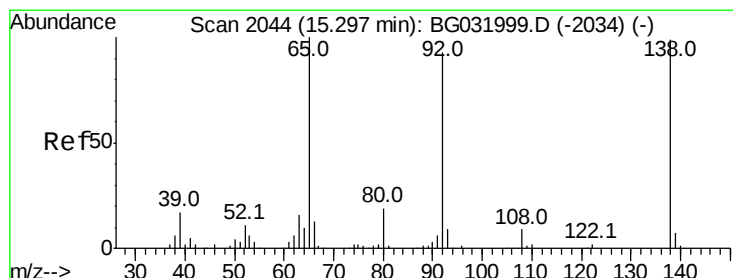
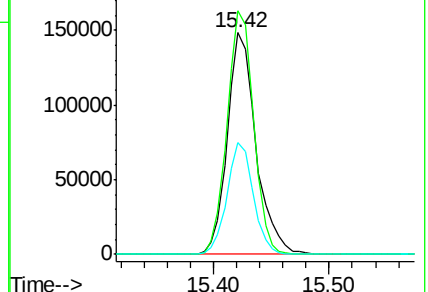
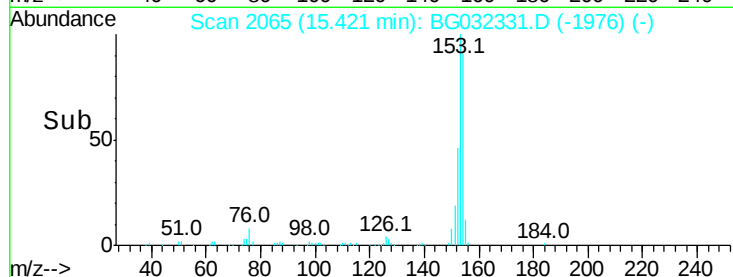
152 50.3 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 45.663 ng

RT: 15.25 min Scan# 2036

Delta R.T. -0.00 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

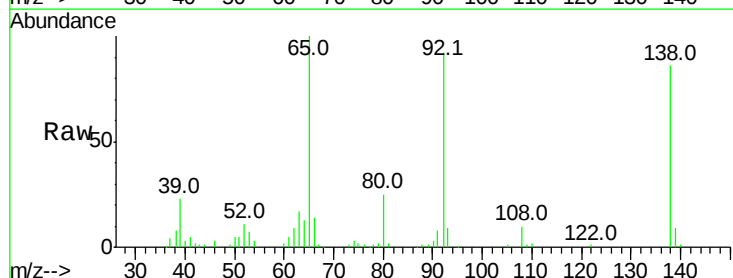
Tgt Ion:138 Resp: 63431

Ion Ratio Lower Upper

138 100

108 12.0 17.5 26.3#

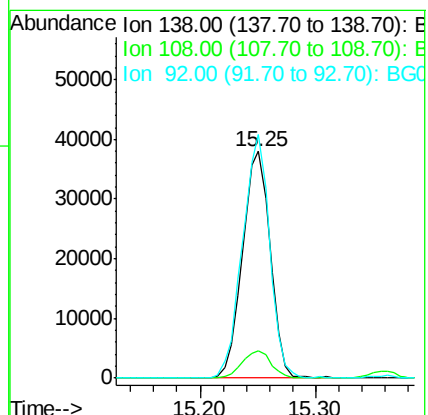
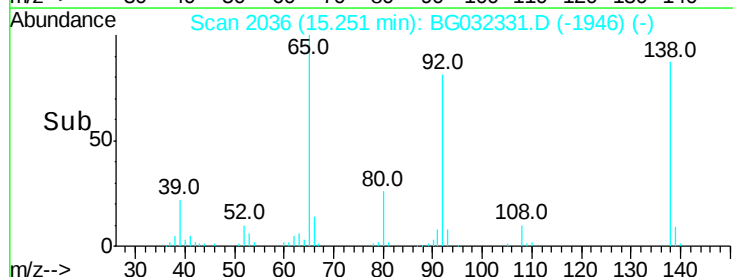
92 107.4 105.8 158.8

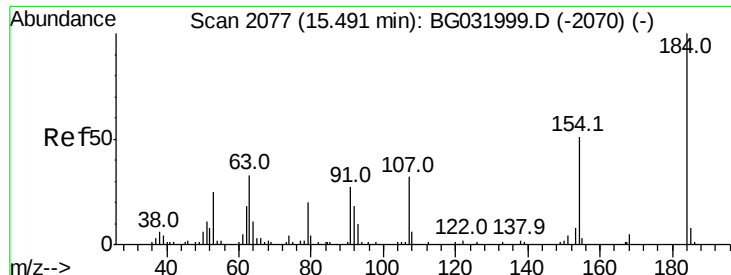


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

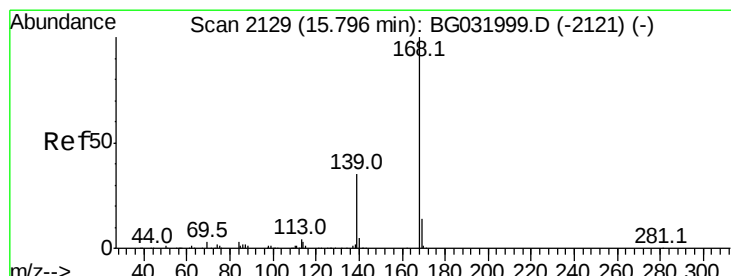
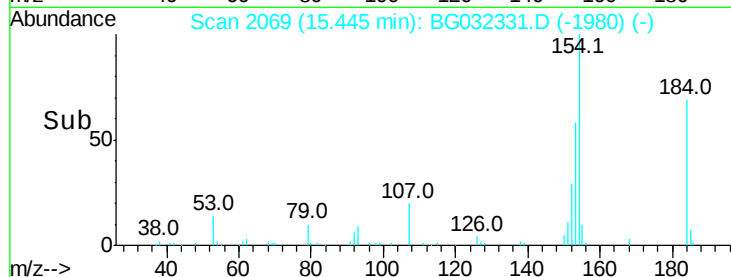
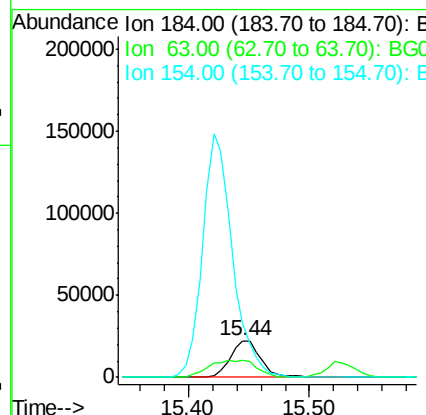
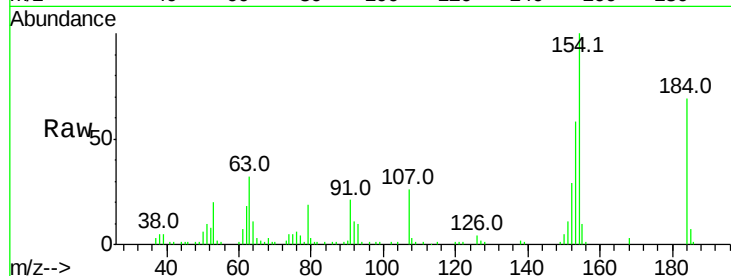




#53  
 2,4-Dinitrophenol  
 Concen: 53.191 ng  
 RT: 15.44 min Scan# 2069  
 Delta R.T. -0.01 min  
 Lab File: BG032331.D  
 Acq: 26 Jan 2018 16:52

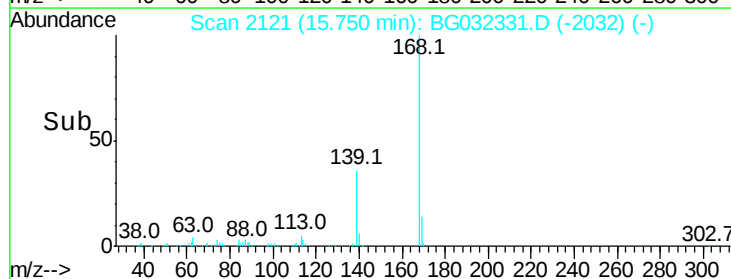
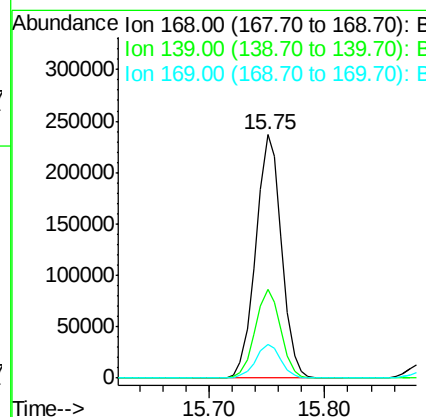
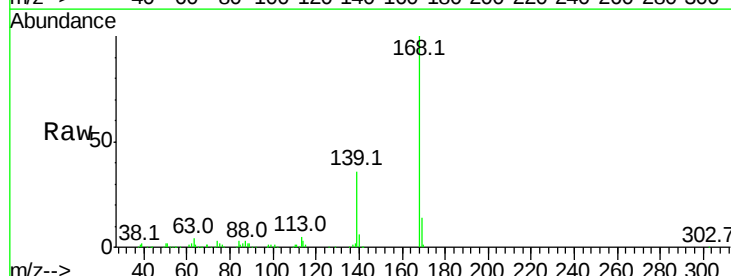
Instrument :  
 BNA\_G  
 ClientSampleId :

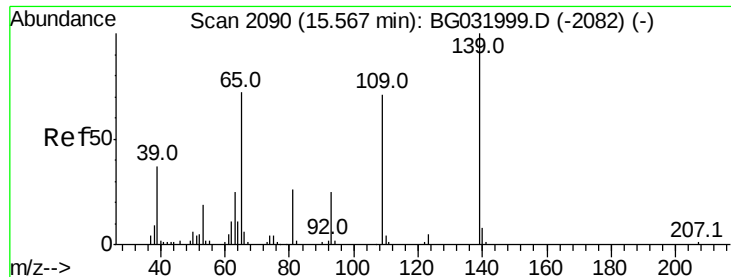
Tot Ion:184 Resp: 39066  
 Ion Ratio Lower Upper  
 184 100  
 63 47.2 59.8 89.8#  
 154 145.8 101.8 152.8



#54  
 Dibenzofuran  
 Concen: 43.295 ng  
 RT: 15.75 min Scan# 2121  
 Delta R.T. -0.01 min  
 Lab File: BG032331.D  
 Acq: 26 Jan 2018 16:52

Tgt Ion:168 Resp: 367243  
 Ion Ratio Lower Upper  
 168 100  
 139 36.4 28.6 43.0  
 169 13.8 11.2 16.8

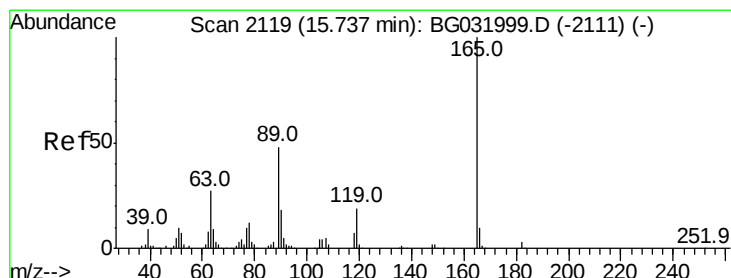
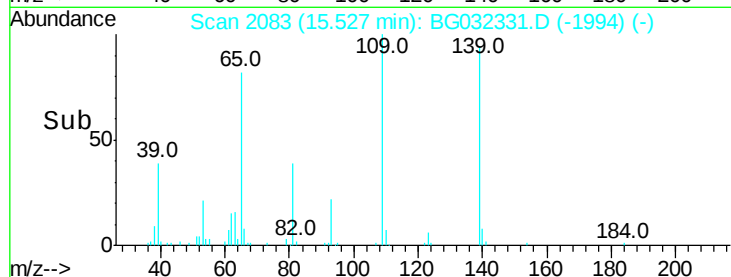
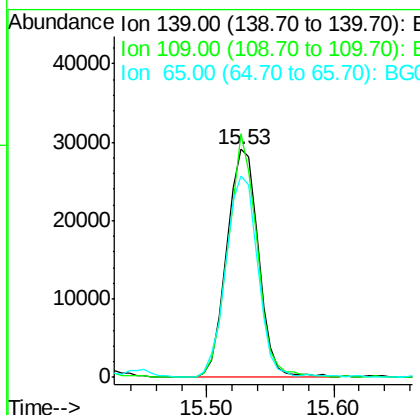
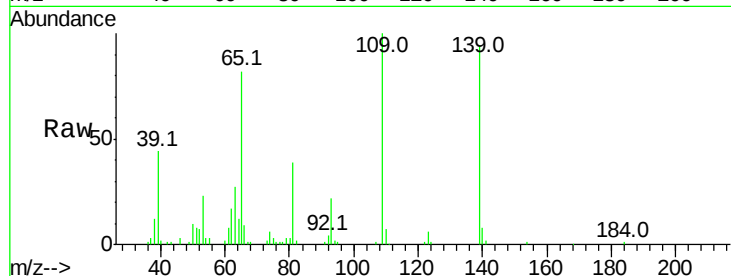




#55  
4-Nitrophenol  
Concen: 49.666 ng  
RT: 15.53 min Scan# 2083  
Delta R.T. -0.01 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

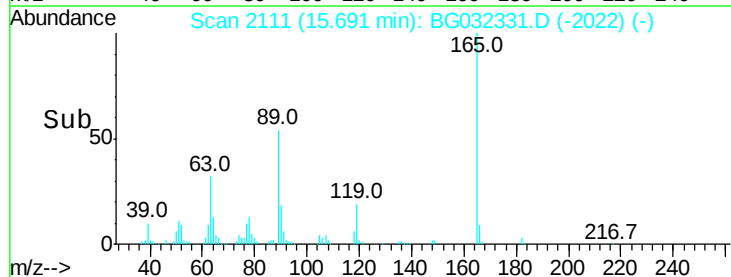
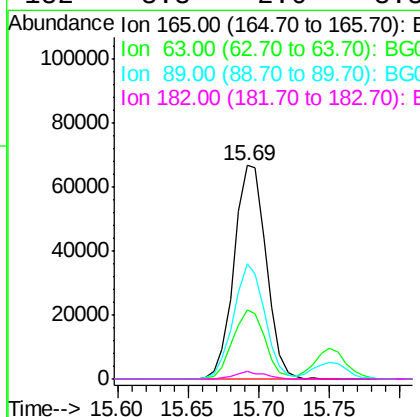
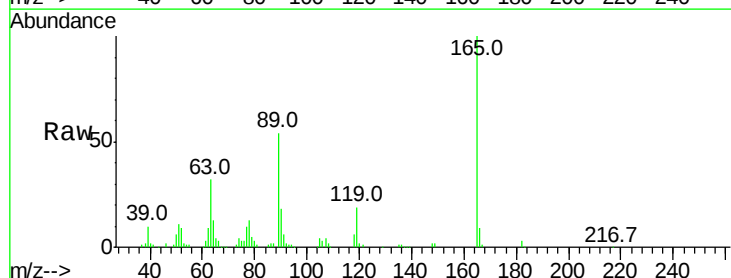
Instrument :  
BNA\_G  
ClientSampleId :

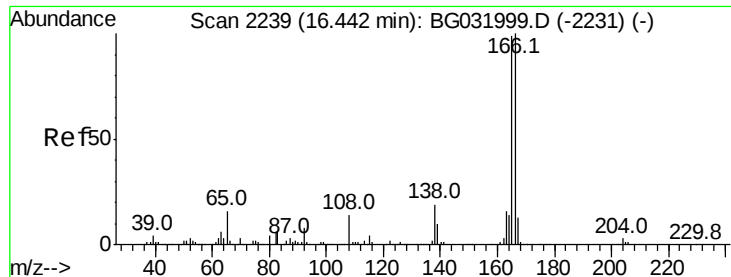
Tot Ion:139 Resp: 50279  
Ion Ratio Lower Upper  
139 100  
109 106.8 62.2 102.2#  
65 88.1 97.2 137.2#



#56  
2,4-Dinitrotoluene  
Concen: 50.912 ng  
RT: 15.69 min Scan# 2111  
Delta R.T. -0.01 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

Tgt Ion:165 Resp: 105421  
Ion Ratio Lower Upper  
165 100  
63 32.5 42.0 63.0#  
89 54.0 66.9 100.3#  
182 3.3 2.6 3.8





#57

Fluorene

Concen: 43.527 ng

RT: 16.40 min Scan# 2231

Delta R.T. -0.00 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

Instrument :

BNA\_G

ClientSampled :

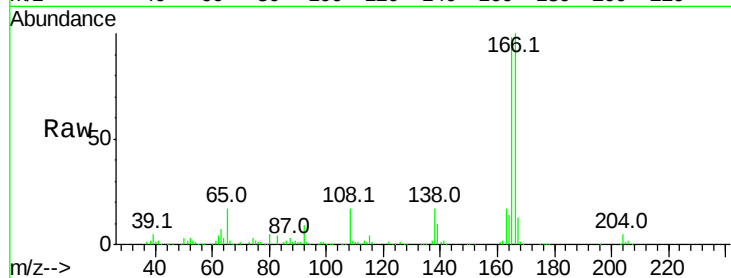
Tot Ion:166 Resp: 302809

Ion Ratio Lower Upper

166 100

165 98.1 80.6 121.0

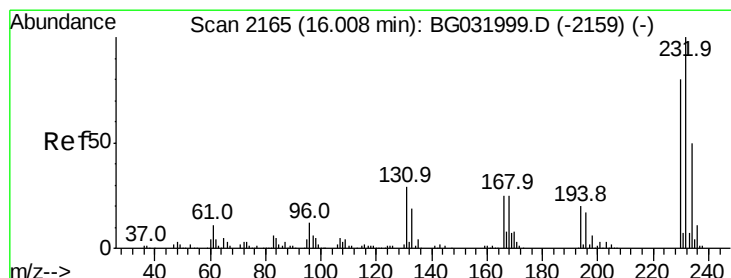
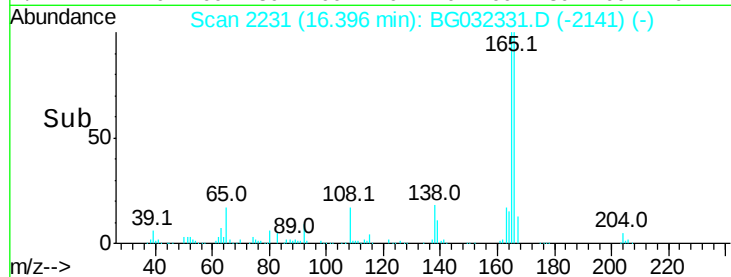
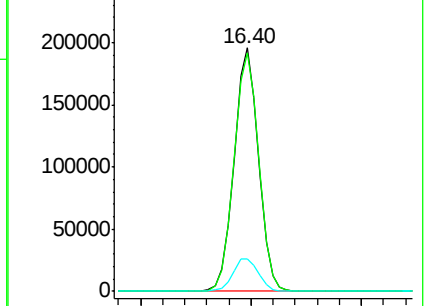
167 13.3 10.4 15.6



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: 49.010 ng

RT: 15.96 min Scan# 2157

Delta R.T. -0.01 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

Tgt Ion:232 Resp: 108835

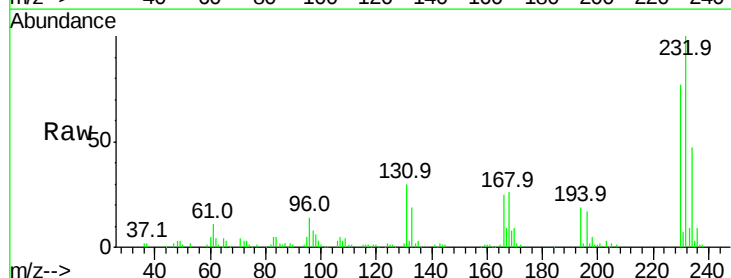
Ion Ratio Lower Upper

232 100

131 30.2 33.5 50.3#

130 2.1 2.2 3.2#

166 25.6 24.8 37.2

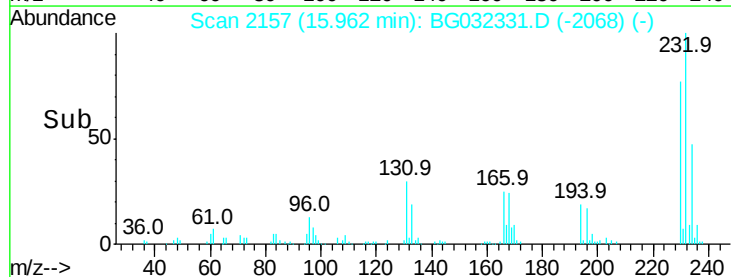
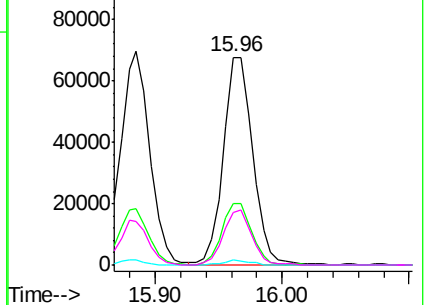


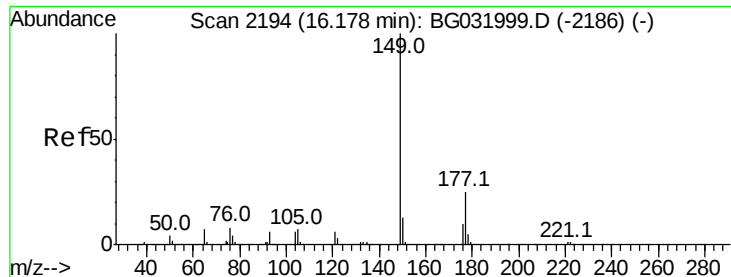
Abundance Ion 232.00 (231.70 to 232.70): E

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

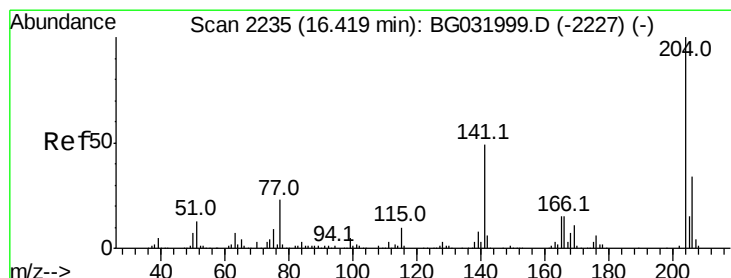
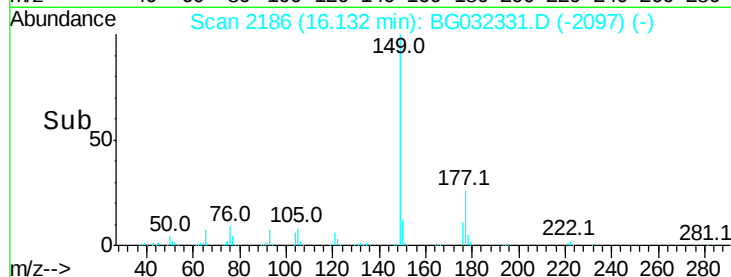
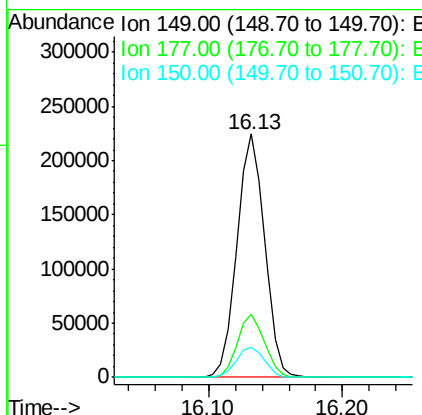
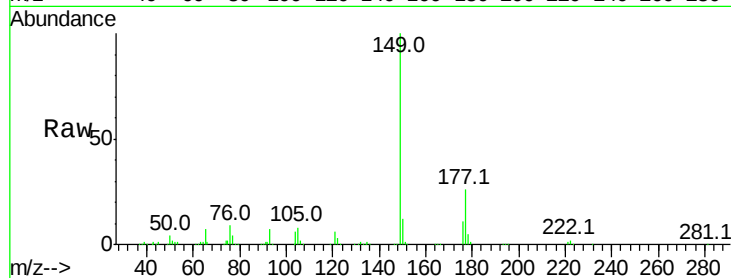




#59  
Diethylphthalate  
Concen: 44.932 ng  
RT: 16.13 min Scan# 2186  
Delta R.T. -0.01 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

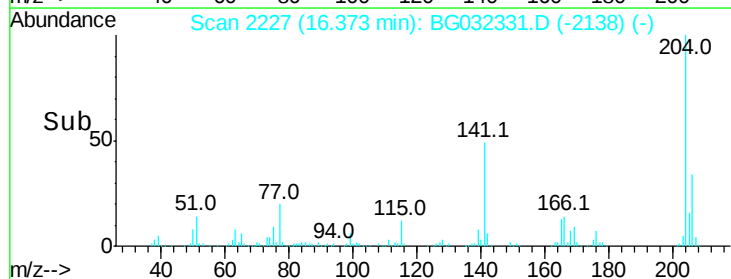
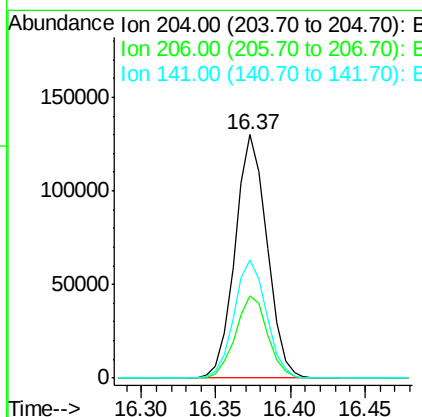
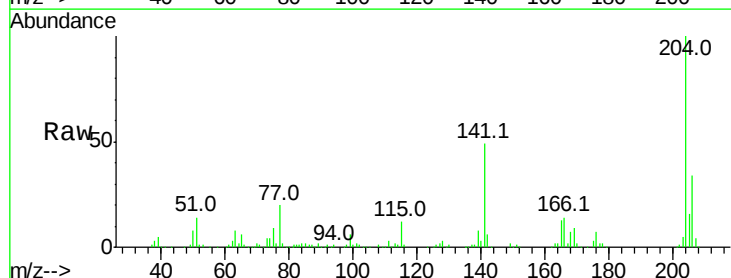
Instrument :  
BNA\_G  
ClientSampleId :

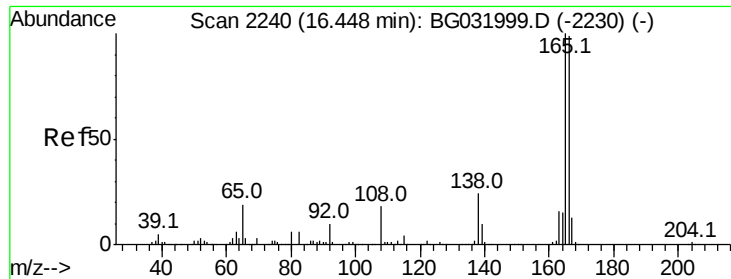
Tot Ion:149 Resp: 322765  
Ion Ratio Lower Upper  
149 100  
177 25.9 18.5 27.7  
150 12.3 10.2 15.2



#60  
4-Chlorophenyl-phenylether  
Concen: 45.259 ng  
RT: 16.37 min Scan# 2227  
Delta R.T. -0.01 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

Tgt Ion:204 Resp: 193144  
Ion Ratio Lower Upper  
204 100  
206 33.7 26.2 39.2  
141 48.7 45.8 68.6

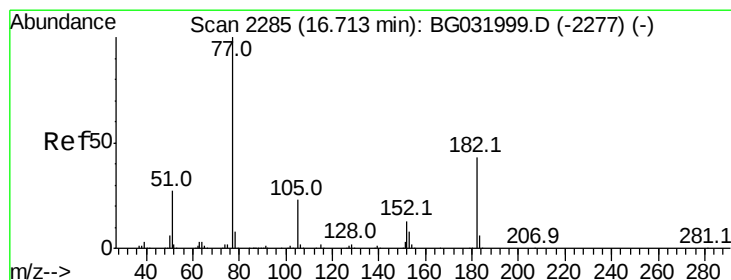
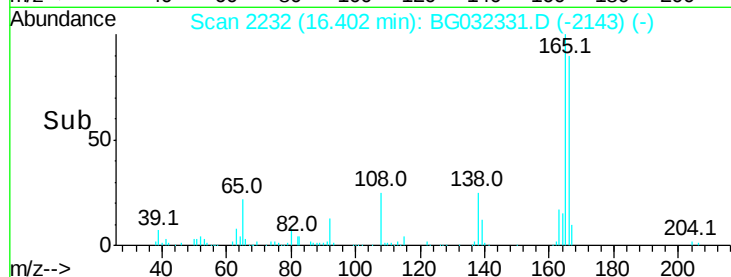
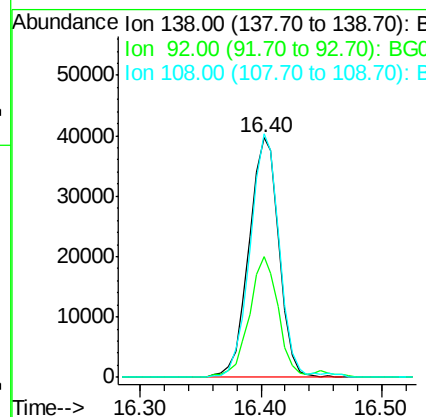
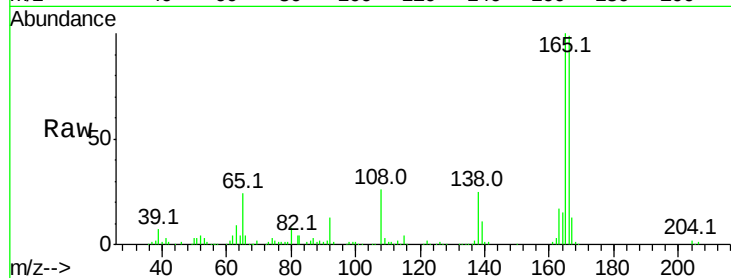




#61  
4-Nitroaniline  
Concen: 51.412 ng  
RT: 16.40 min Scan# 2232  
Delta R.T. -0.01 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

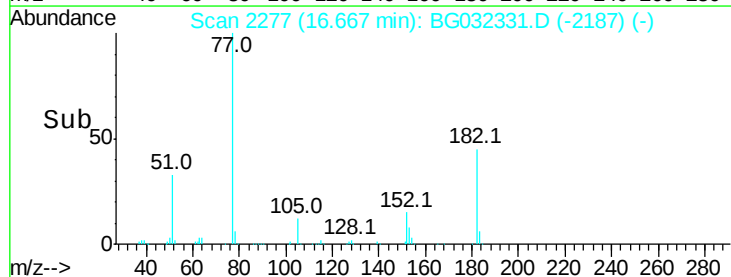
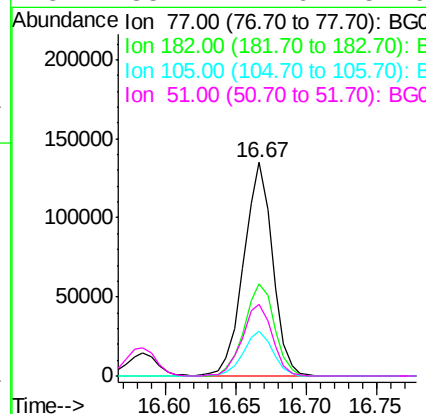
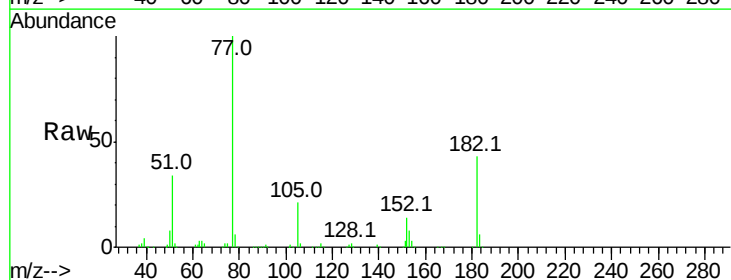
Instrument :  
BNA\_G  
ClientSampleId :

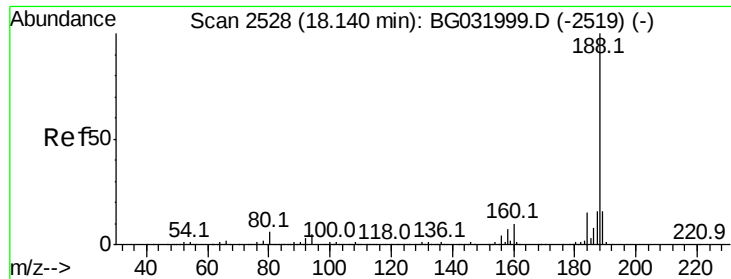
Tot Ion:138 Resp: 68508  
Ion Ratio Lower Upper  
138 100  
92 50.4 40.1 80.1  
108 101.8 65.4 105.4



#62  
Azobenzene  
Concen: 43.062 ng  
RT: 16.67 min Scan# 2277  
Delta R.T. -0.00 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

Tgt Ion: 77 Resp: 193611  
Ion Ratio Lower Upper  
77 100  
182 43.0 7.4 47.4  
105 21.1 0.3 40.3  
51 33.7 11.6 51.6

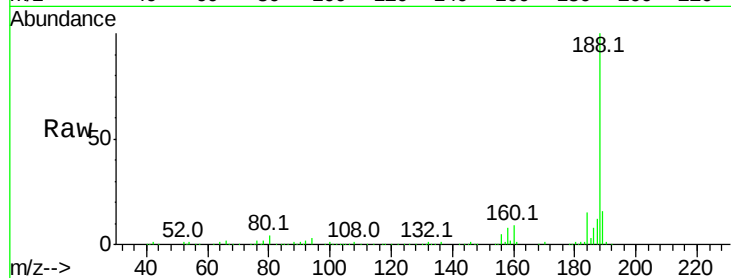




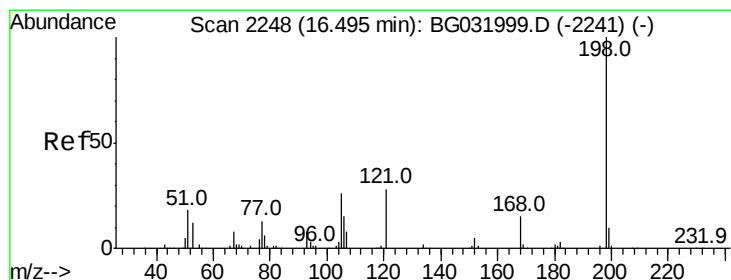
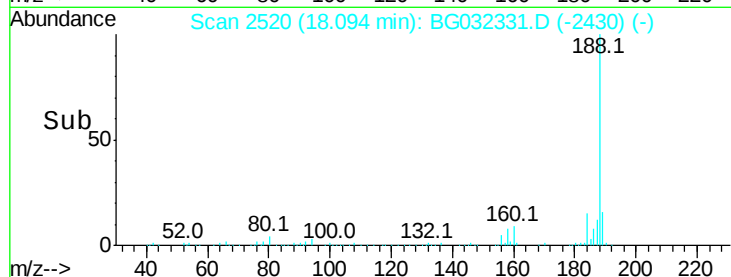
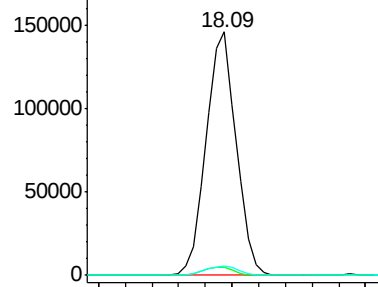
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.09 min Scan# 2520  
Delta R.T. -0.00 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 3.4   | 6.9   | 10.3# |
| 80      | 3.9   | 7.7   | 11.5# |

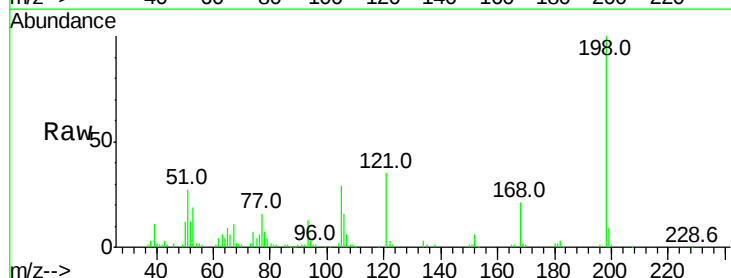


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BG  
Ion 80.00 (79.70 to 80.70): BG

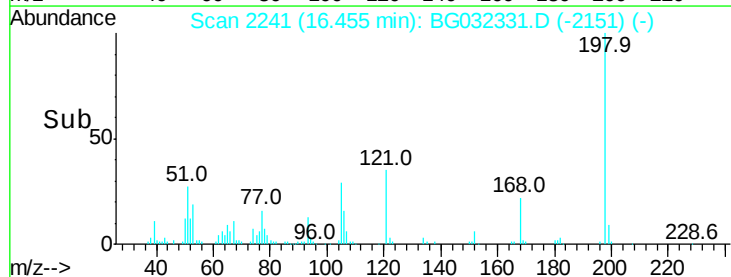
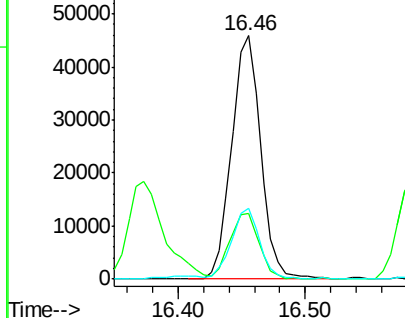


#64  
4,6-Dinitro-2-methylphenol  
Concen: 49.319 ng  
RT: 16.46 min Scan# 2241  
Delta R.T. -0.00 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 26.8  | 30.6  | 70.6# |
| 105     | 29.0  | 23.8  | 63.8  |



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





#65

n-Nitrosodiphenylamine

Concen: 41.078 ng

RT: 16.58 min Scan# 2263

Delta R.T. -0.01 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

Instrument :

BNA\_G

ClientSampleId :

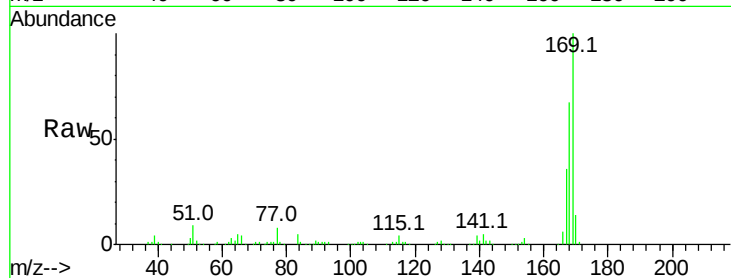
Tot Ion:169 Resp: 285692

Ion Ratio Lower Upper

169 100

168 67.3 55.7 83.5

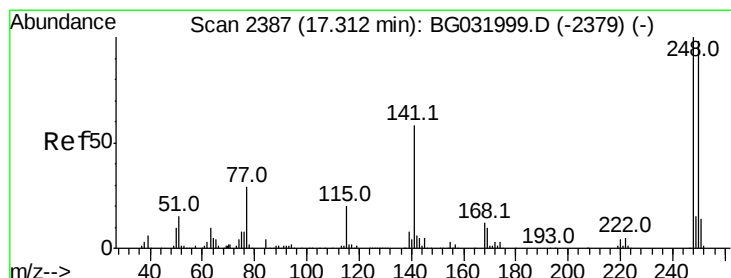
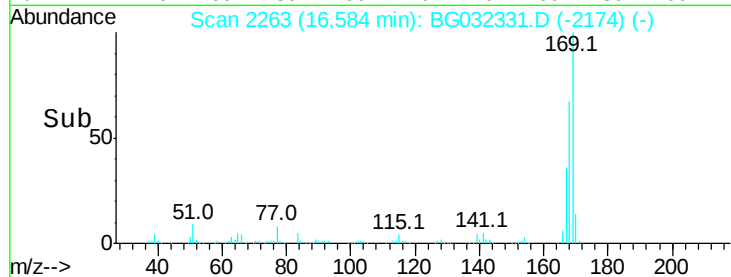
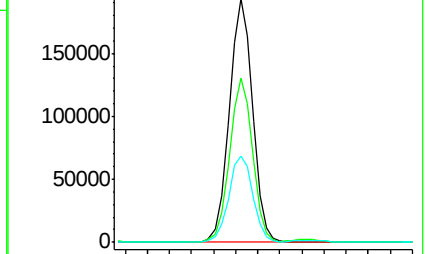
167 35.6 30.1 45.1



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 42.371 ng

RT: 17.27 min Scan# 2379

Delta R.T. -0.00 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

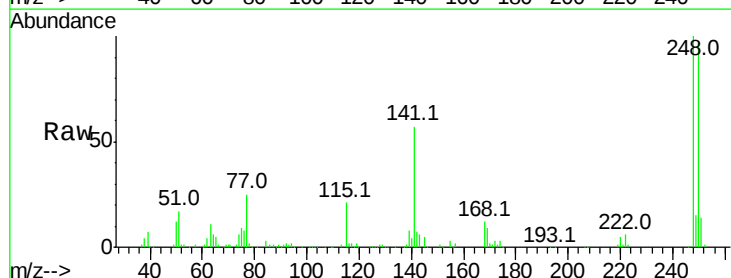
Tgt Ion:248 Resp: 138176

Ion Ratio Lower Upper

248 100

250 97.3 77.1 115.7

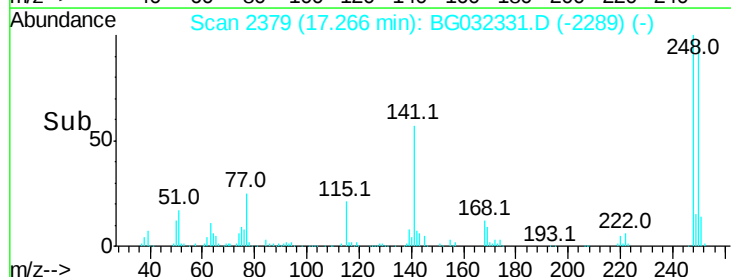
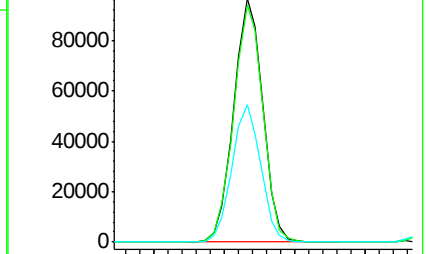
141 56.6 50.8 76.2

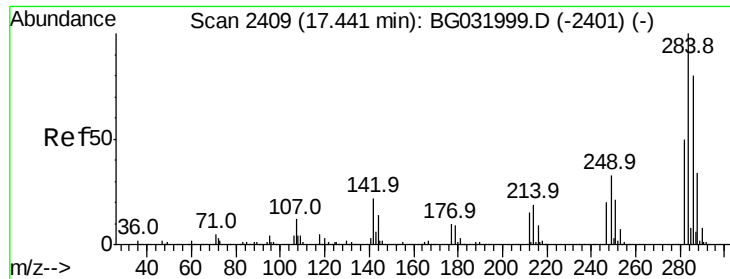


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 41.564 ng

RT: 17.40 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

Instrument :

BNA\_G

ClientSampleId :

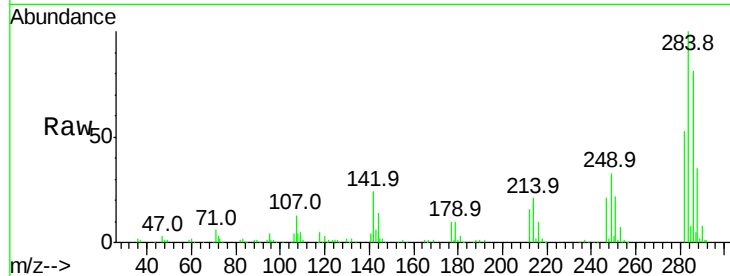
Tot Ion:284 Resp: 149961

Ion Ratio Lower Upper

284 100

142 24.3 26.8 40.2#

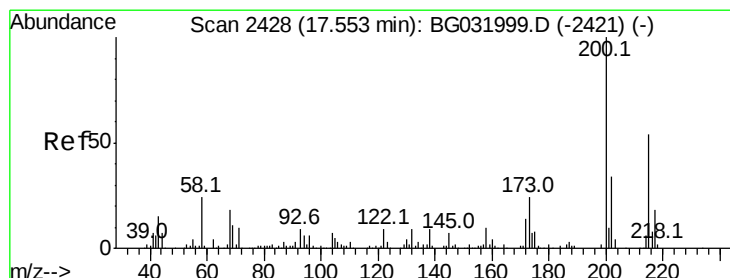
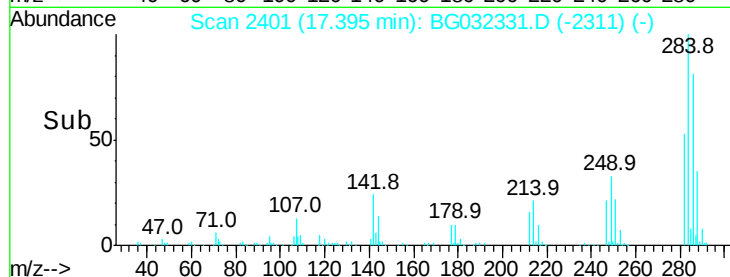
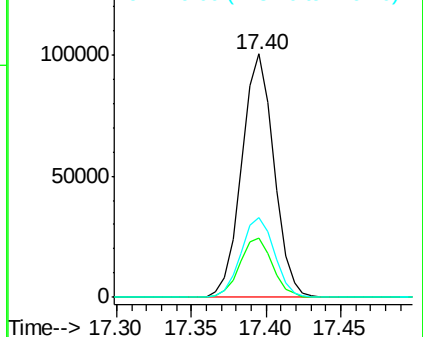
249 32.6 26.3 39.5



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: 44.385 ng

RT: 17.51 min Scan# 2421

Delta R.T. -0.00 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

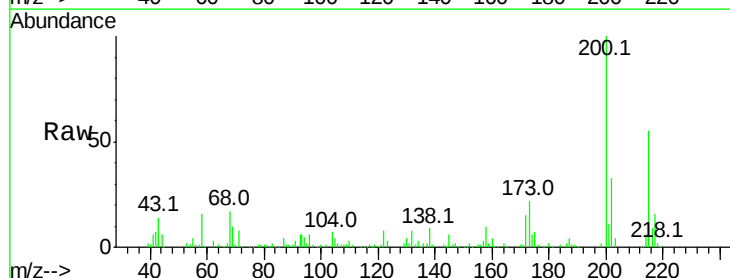
Tgt Ion:200 Resp: 129820

Ion Ratio Lower Upper

200 100

173 22.3 5.2 45.2

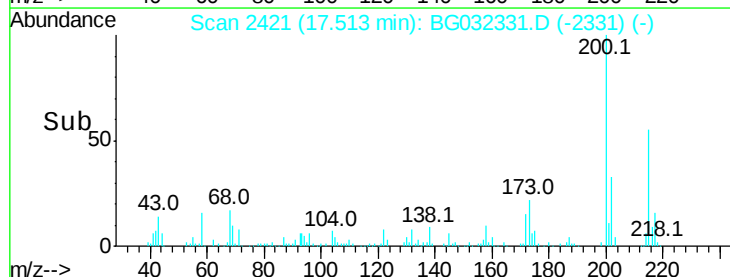
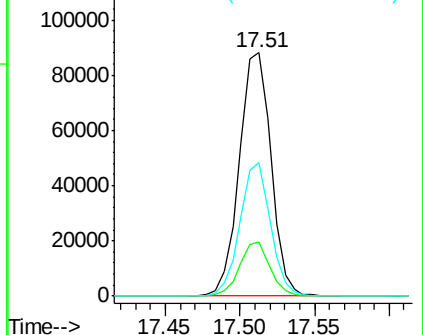
215 54.7 30.4 70.4

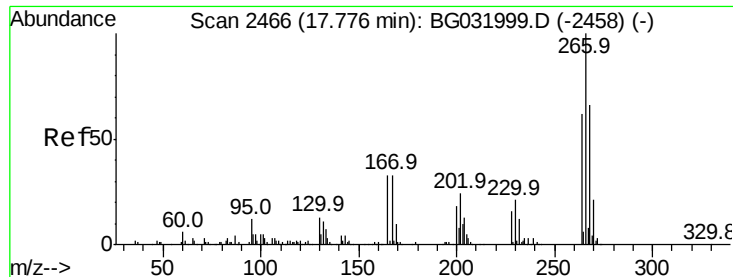


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 46.140 ng

RT: 17.73 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

Instrument :

BNA\_G

ClientSampleId :

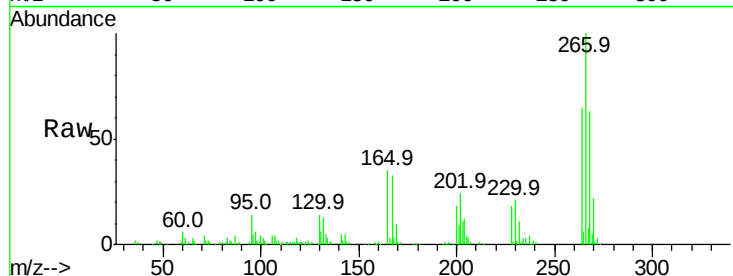
Tot Ion:266 Resp: 106406

Ion Ratio Lower Upper

266 100

268 62.8 51.1 76.7

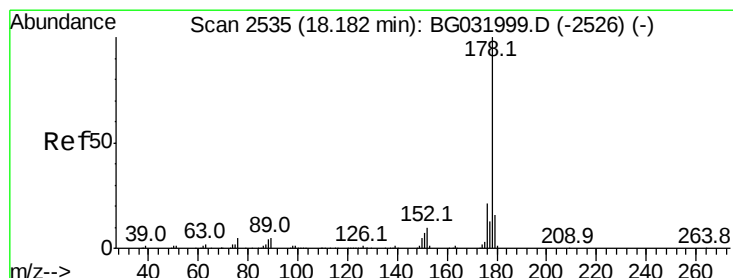
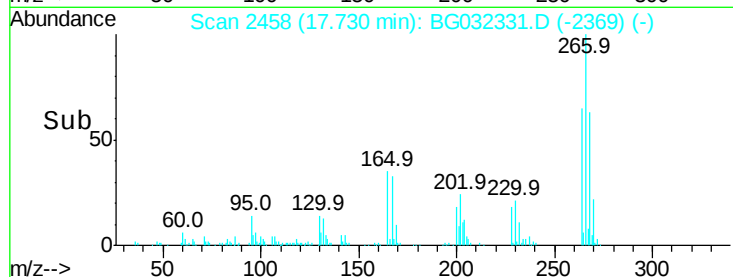
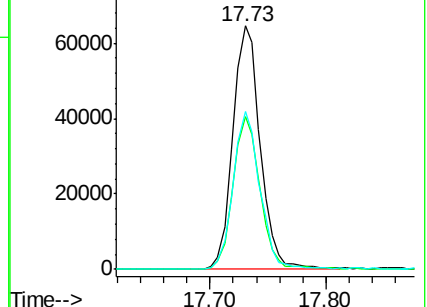
264 65.1 49.6 74.4



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: 41.721 ng

RT: 18.14 min Scan# 2527

Delta R.T. -0.00 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

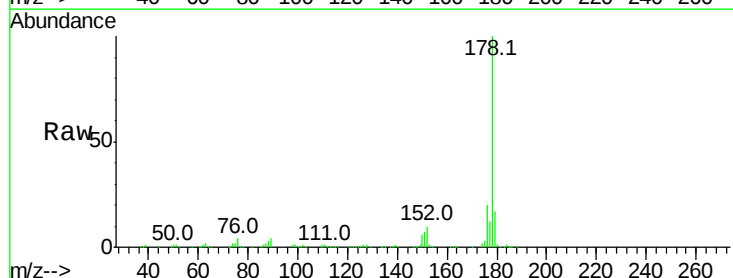
Tgt Ion:178 Resp: 532404

Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

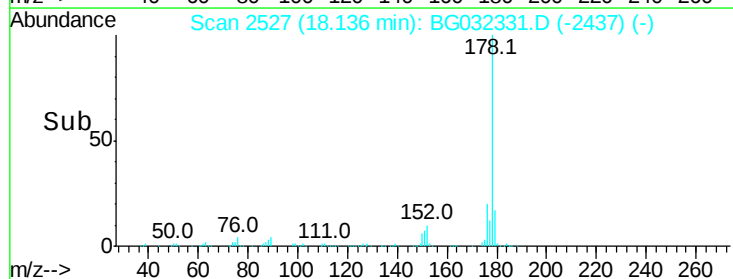
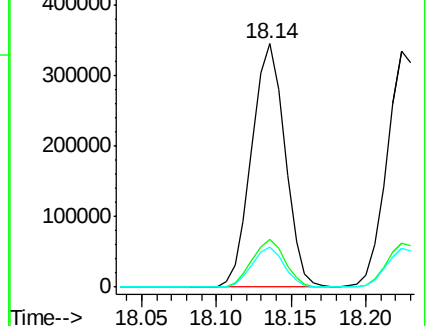
179 16.7 12.5 18.7

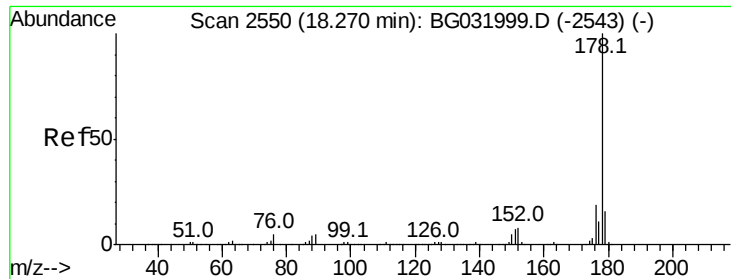


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

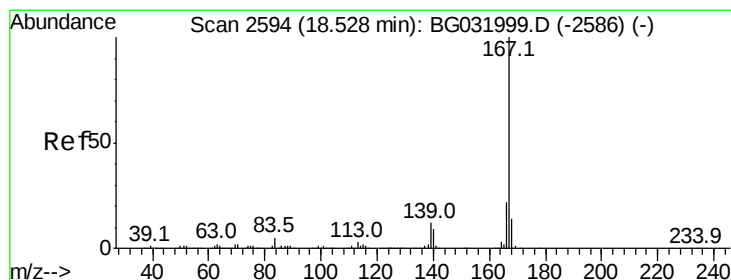
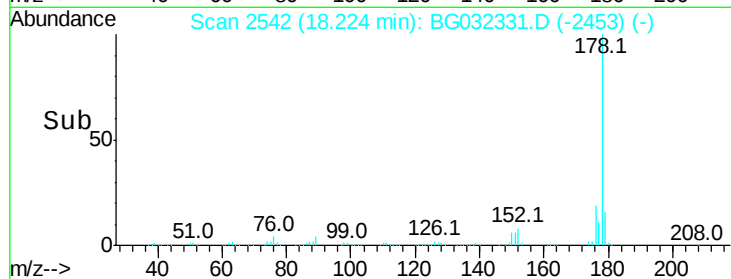
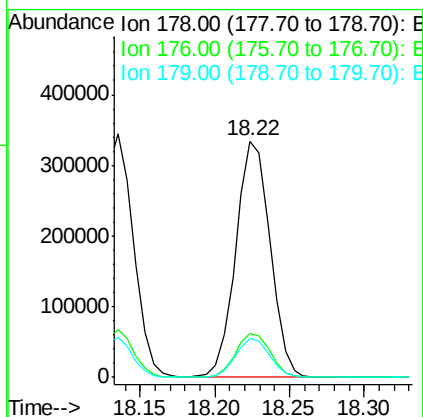
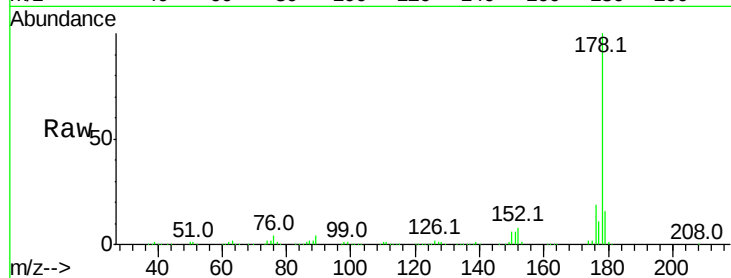




#71  
 Anthracene  
 Concen: 41.859 ng  
 RT: 18.22 min Scan# 2542  
 Delta R.T. -0.01 min  
 Lab File: BG032331.D  
 Acq: 26 Jan 2018 16:52

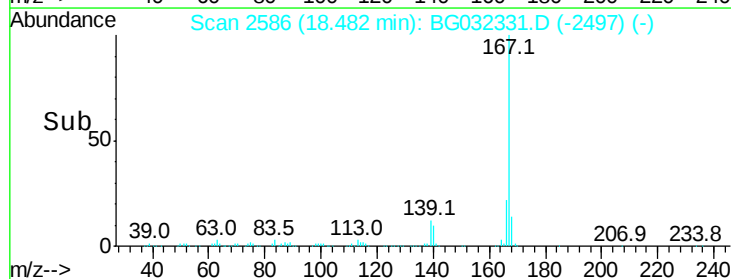
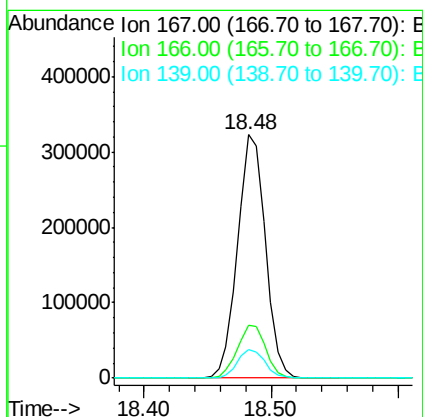
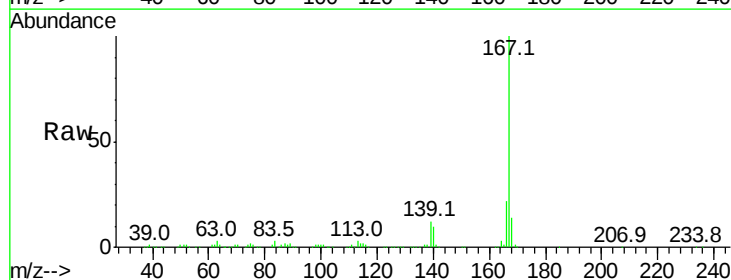
Instrument :  
 BNA\_G  
 ClientSampleId :

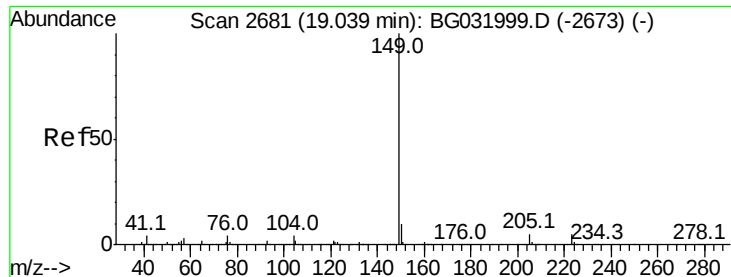
Tot Ion:178 Resp: 532763  
 Ion Ratio Lower Upper  
 178 100  
 176 18.8 16.0 24.0  
 179 16.2 12.5 18.7



#72  
 Carbazole  
 Concen: 44.337 ng  
 RT: 18.48 min Scan# 2586  
 Delta R.T. -0.01 min  
 Lab File: BG032331.D  
 Acq: 26 Jan 2018 16:52

Tgt Ion:167 Resp: 489525  
 Ion Ratio Lower Upper  
 167 100  
 166 22.0 18.2 27.4  
 139 11.7 9.4 14.2





#73

Di-n-butylphthalate

Concen: 43.068 ng

RT: 18.99 min Scan# 2673

Delta R.T. -0.00 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

Instrument :

BNA\_G

ClientSampled :

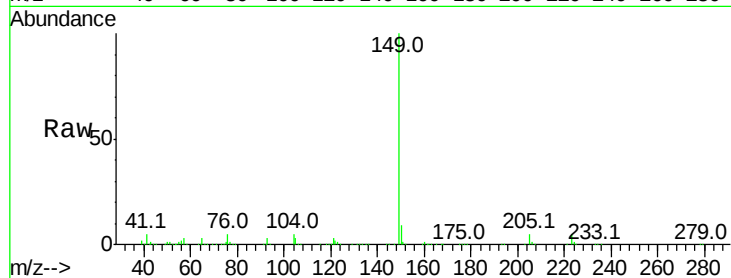
Tot Ion:149 Resp: 561896

Ion Ratio Lower Upper

149 100

150 9.5 7.8 11.6

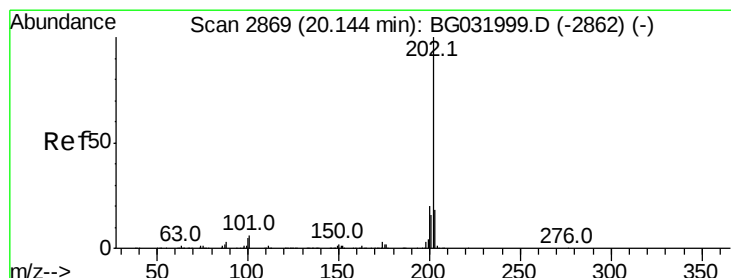
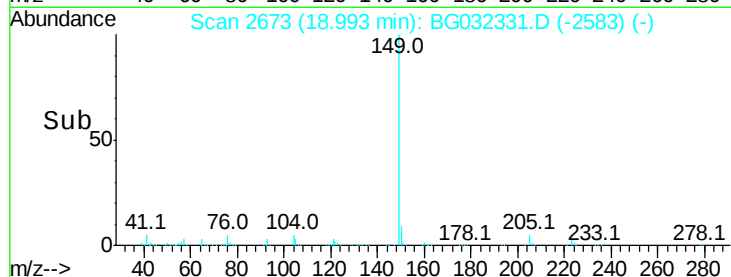
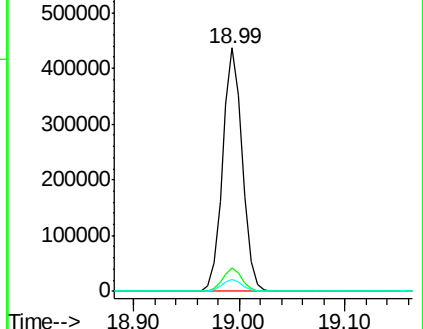
104 5.1 3.9 5.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 46.625 ng

RT: 20.10 min Scan# 2861

Delta R.T. -0.01 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

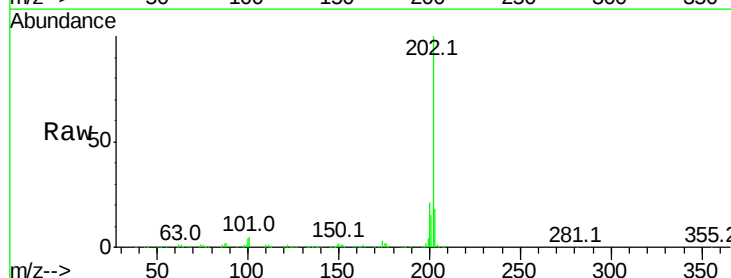
Tgt Ion:202 Resp: 744942

Ion Ratio Lower Upper

202 100

101 4.8 0.0 28.9

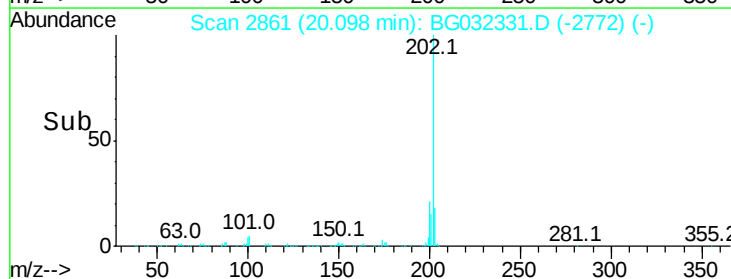
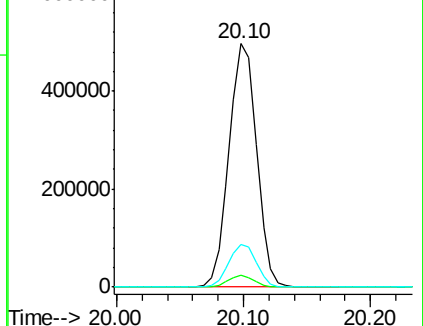
203 17.6 0.0 37.5

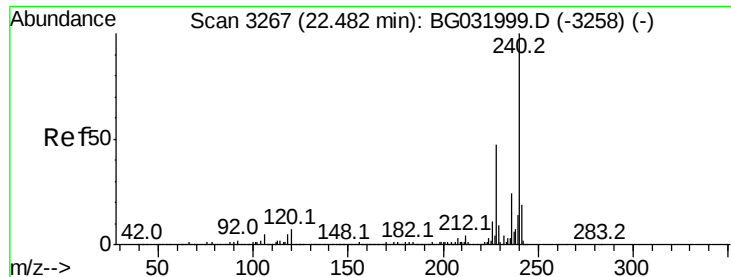


Abundance Ion 202.00 (201.70 to 202.70): E

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: 22.42 min Scan# 3257

Delta R.T. -0.00 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

Instrument :

BNA\_G

ClientSampleId :

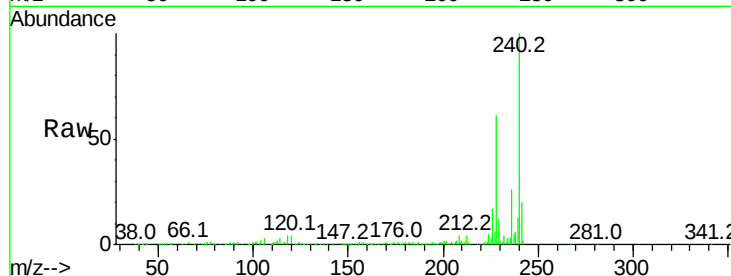
Tot Ion:240 Resp: 304923

Ion Ratio Lower Upper

240 100

120 3.8 6.8 10.2#

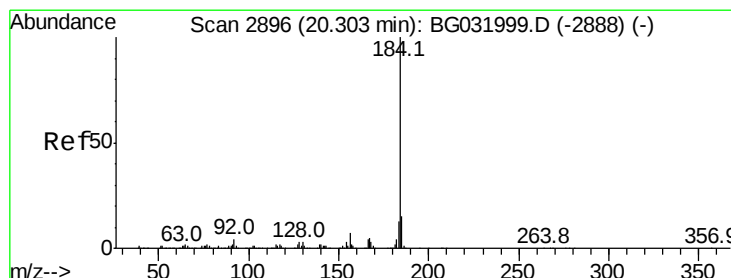
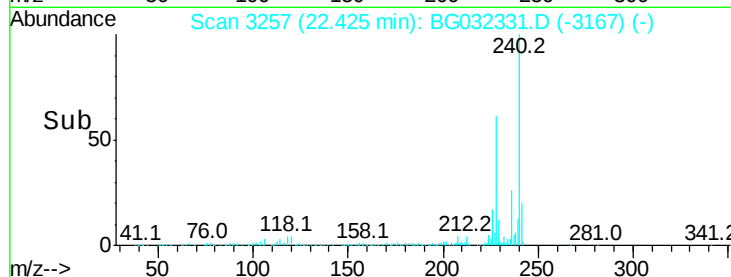
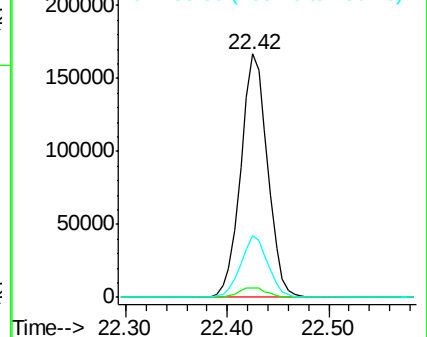
236 25.6 20.9 31.3



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: 51.057 ng

RT: 20.26 min Scan# 2888

Delta R.T. -0.01 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

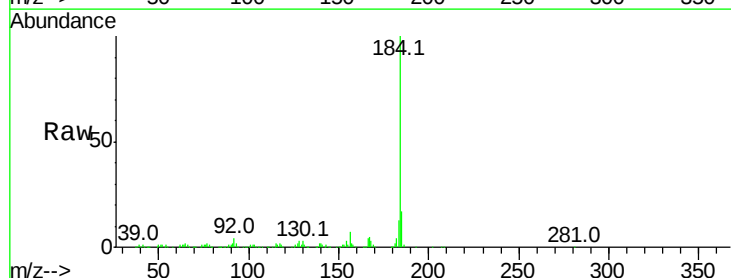
Tgt Ion:184 Resp: 389305

Ion Ratio Lower Upper

184 100

185 16.5 11.1 16.7

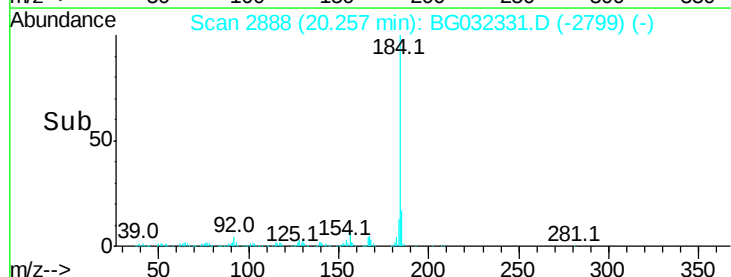
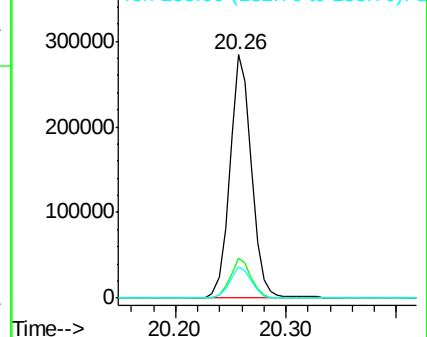
183 12.8 10.6 16.0

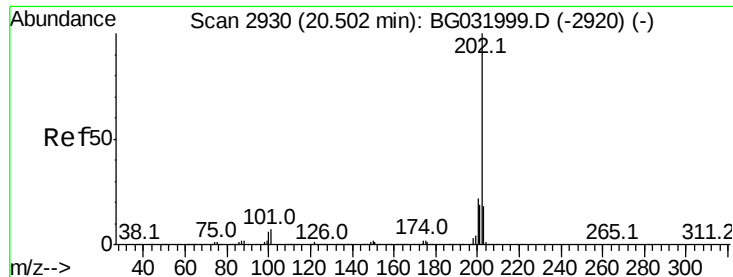


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 39.361 ng

RT: 20.46 min Scan# 2922

Delta R.T. -0.01 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

Instrument :

BNA\_G

ClientSampleId :

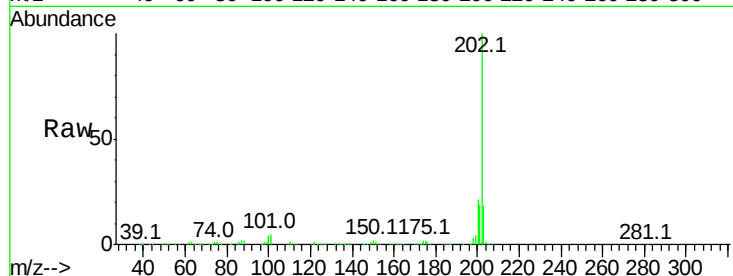
Tot Ion:202 Resp: 754502

Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

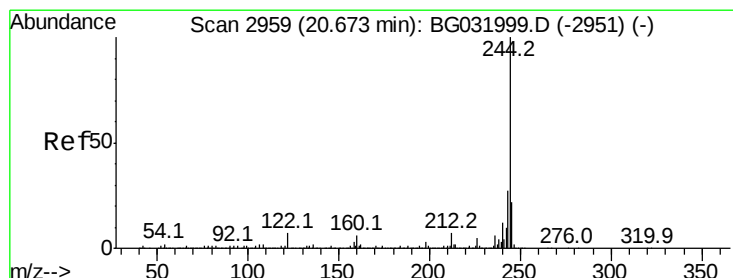
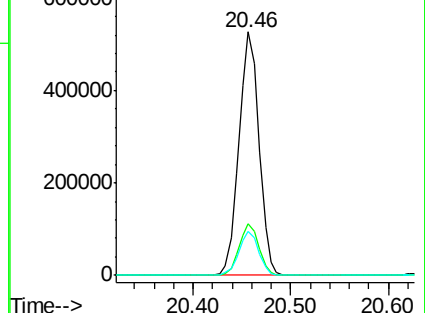
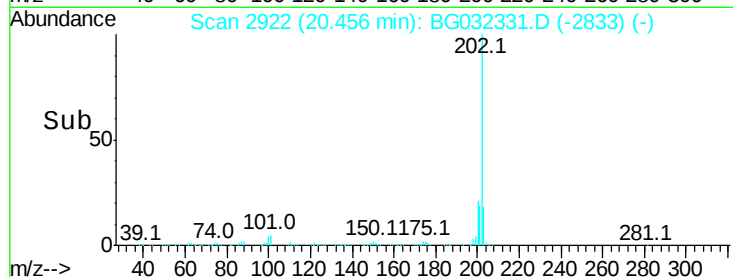
203 18.0 13.9 20.9



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: 81.808 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.01 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

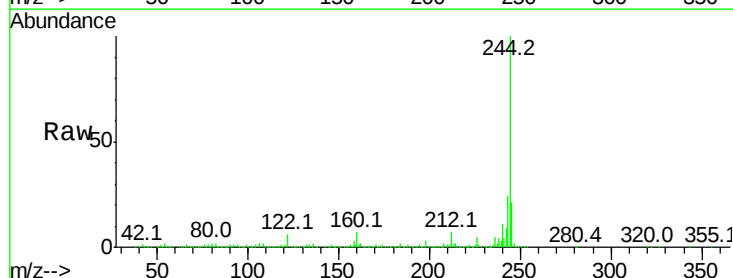
Tgt Ion:244 Resp: 1129743

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

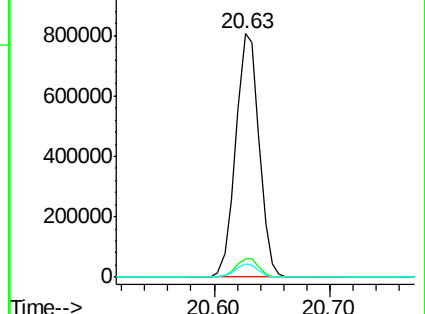
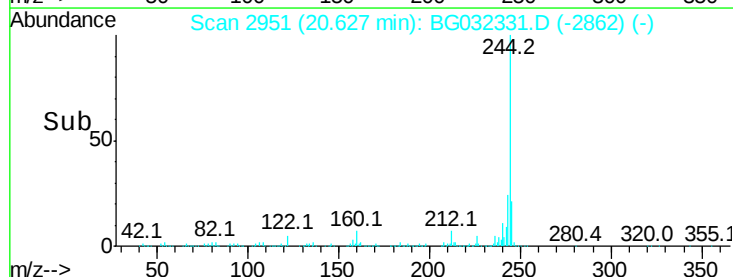
122 5.6 7.0 10.4#

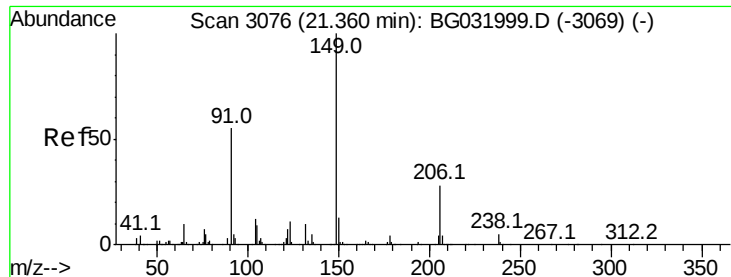


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

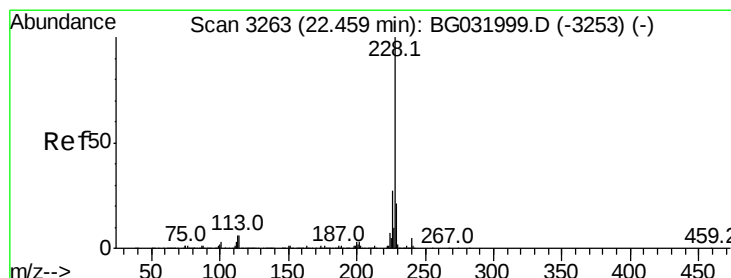
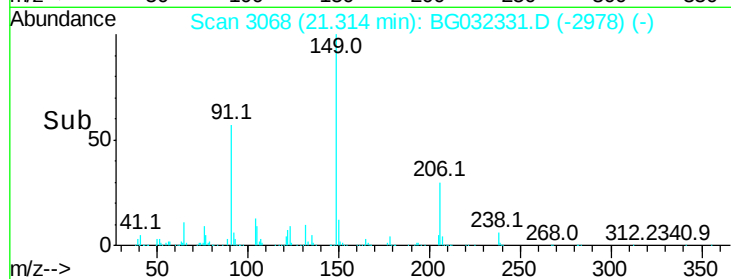
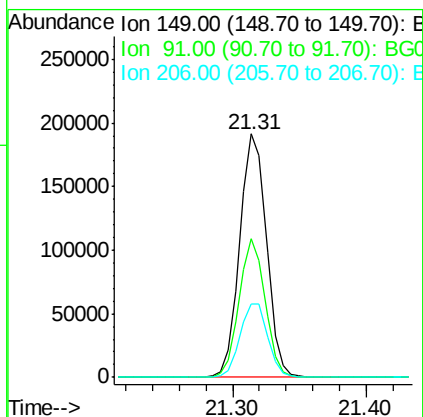
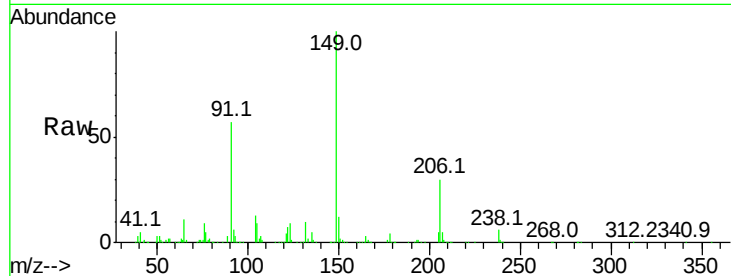




#79  
Butylbenzylphthalate  
Concen: 38.573 ng  
RT: 21.31 min Scan# 3068  
Delta R.T. -0.00 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

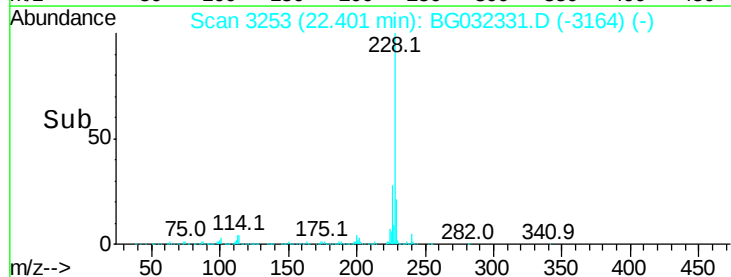
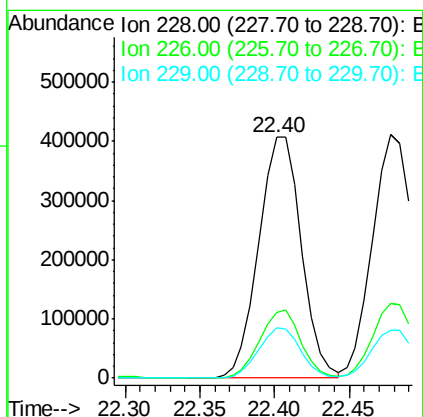
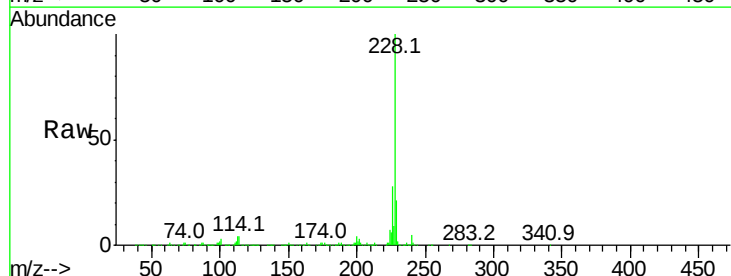
Instrument :  
BNA\_G  
ClientSampled :

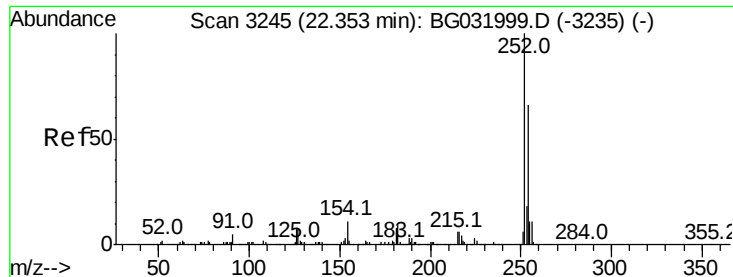
Tot Ion:149 Resp: 264915  
Ion Ratio Lower Upper  
149 100  
91 57.2 62.2 93.2#  
206 30.4 18.6 27.8#



#80  
Benzo(a)anthracene  
Concen: 42.496 ng  
RT: 22.40 min Scan# 3253  
Delta R.T. -0.01 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

Tgt Ion:228 Resp: 805871  
Ion Ratio Lower Upper  
228 100  
226 27.6 22.7 34.1  
229 21.0 16.2 24.2

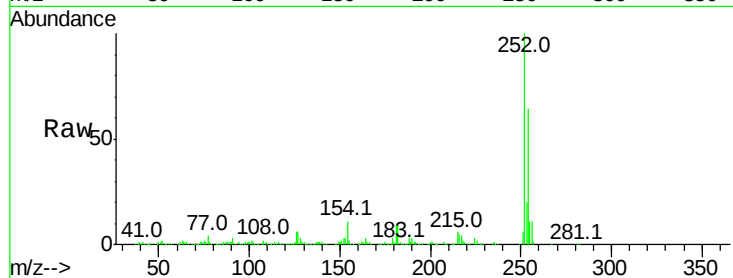




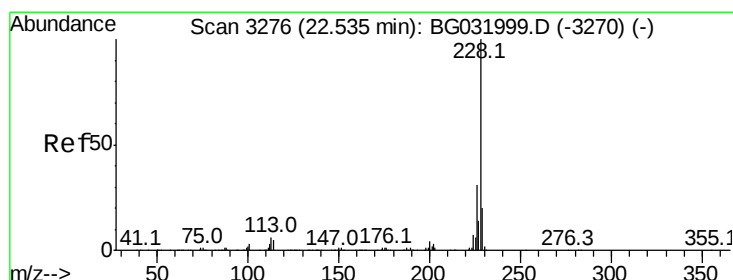
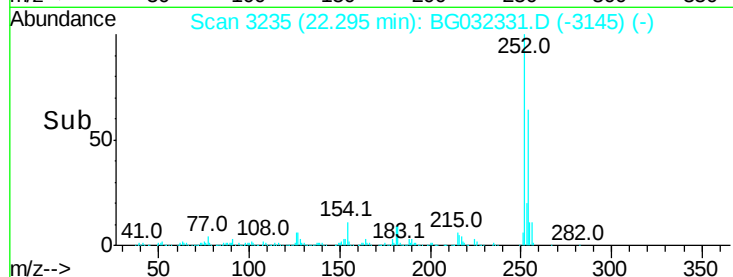
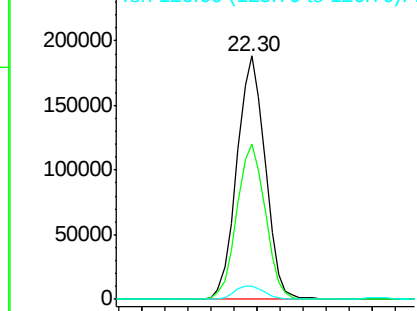
#81  
 3,3'-Dichlorobenzidine  
 Concen: 45.105 ng  
 RT: 22.30 min Scan# 3235  
 Delta R.T. -0.00 min  
 Lab File: BG032331.D  
 Acq: 26 Jan 2018 16:52

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 63.9  | 50.8  | 76.2  |
| 126     | 5.5   | 7.4   | 11.2# |

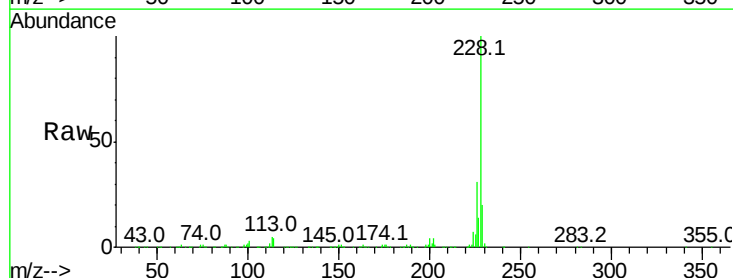


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

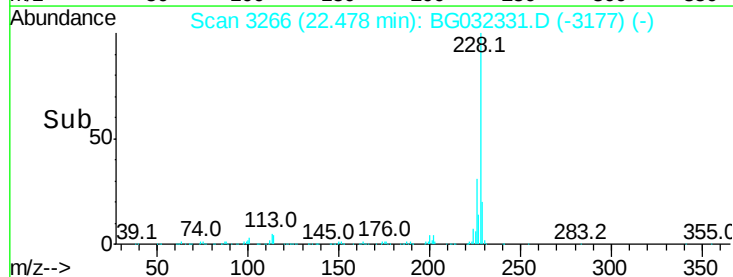
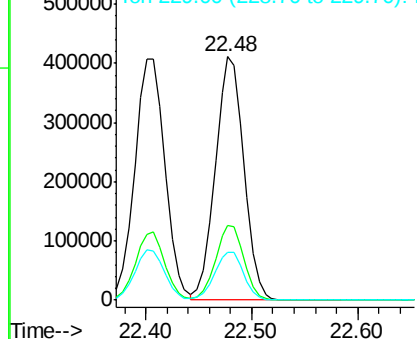


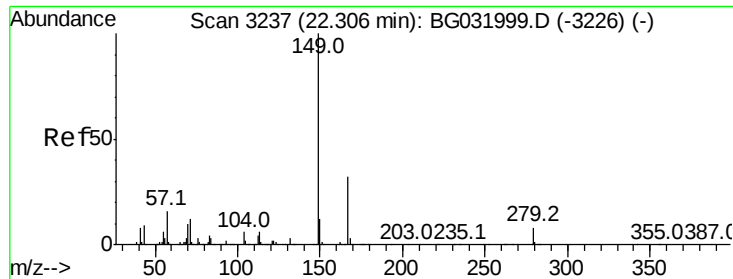
#82  
 Chrysene  
 Concen: 42.444 ng  
 RT: 22.48 min Scan# 3266  
 Delta R.T. -0.01 min  
 Lab File: BG032331.D  
 Acq: 26 Jan 2018 16:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.9  | 24.9  | 37.3  |
| 229     | 19.8  | 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

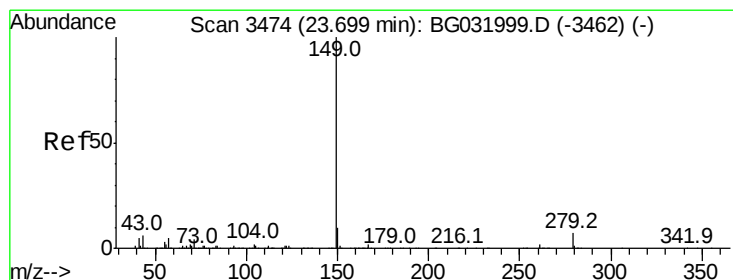
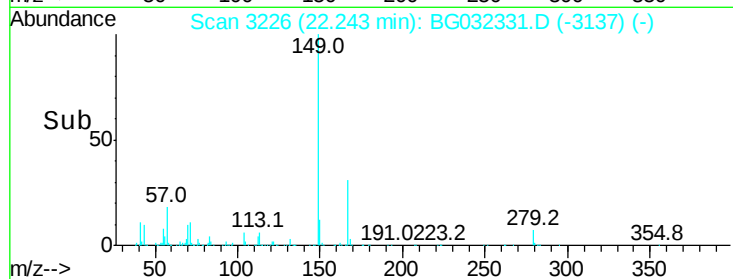
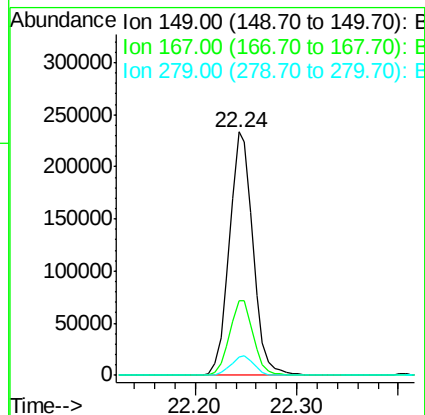
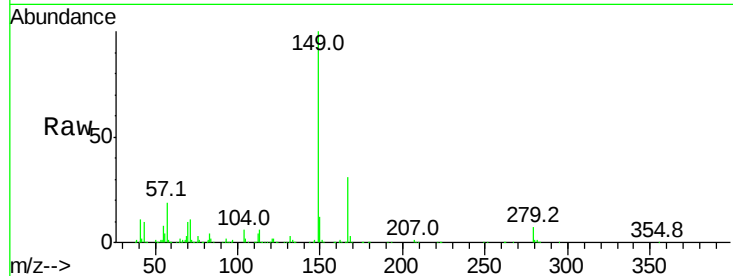




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 37.317 ng  
 RT: 22.24 min Scan# 3226  
 Delta R.T. -0.01 min  
 Lab File: BG032331.D  
 Acq: 26 Jan 2018 16:52

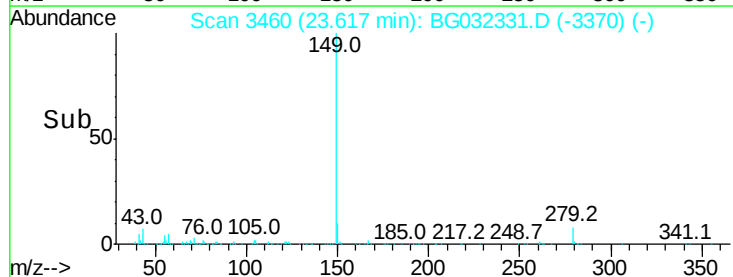
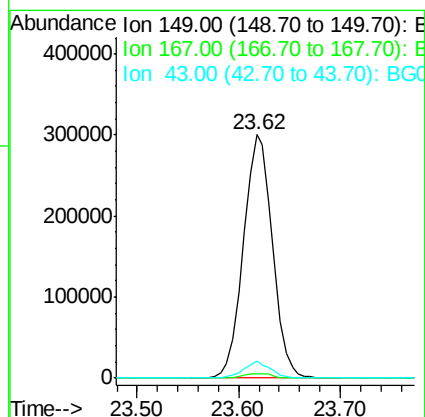
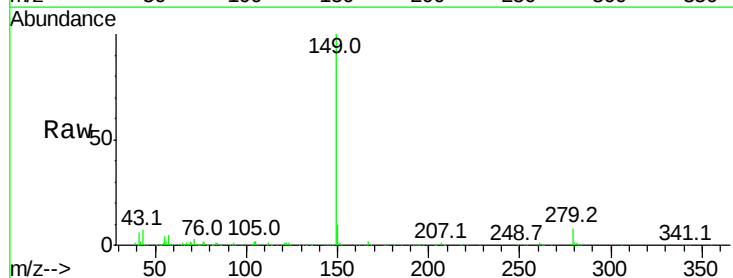
Instrument :  
 BNA\_G  
 ClientSampleId :

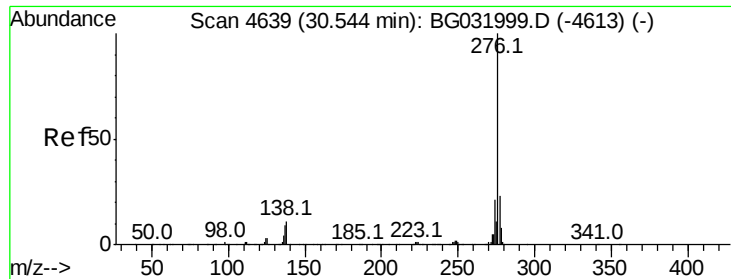
Tot Ion:149 Resp: 375824  
 Ion Ratio Lower Upper  
 149 100  
 167 30.7 24.3 36.5  
 279 7.4 4.0 6.0#



#84  
 Di-n-octyl phthalate  
 Concen: 37.160 ng  
 RT: 23.62 min Scan# 3460  
 Delta R.T. -0.00 min  
 Lab File: BG032331.D  
 Acq: 26 Jan 2018 16:52

Tgt Ion:149 Resp: 594389  
 Ion Ratio Lower Upper  
 149 100  
 167 1.9 1.4 2.0  
 43 6.3 8.9 13.3#

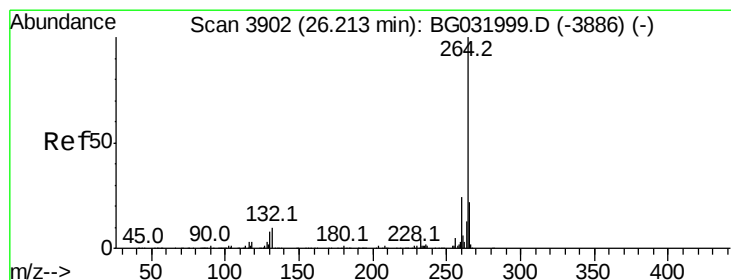
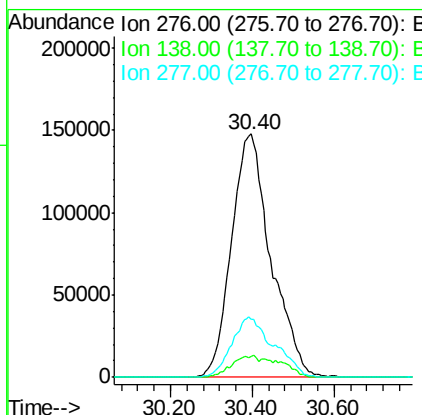
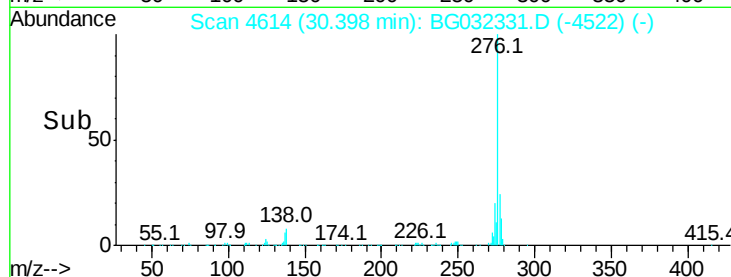
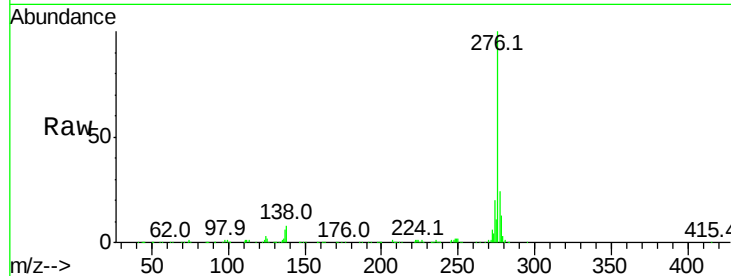




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 44.445 ng  
 RT: 30.40 min Scan# 4614  
 Delta R.T. 0.01 min  
 Lab File: BG032331.D  
 Acq: 26 Jan 2018 16:52

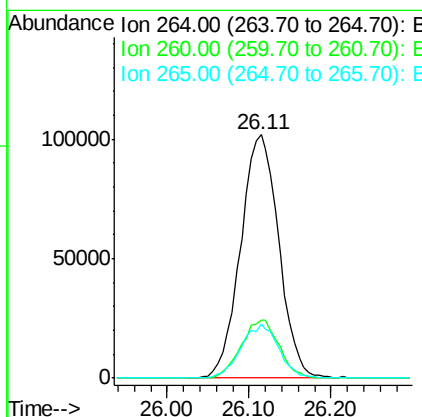
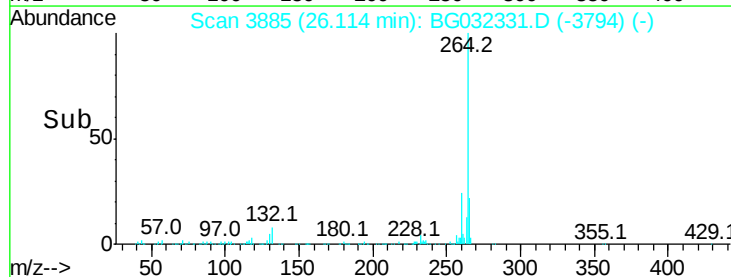
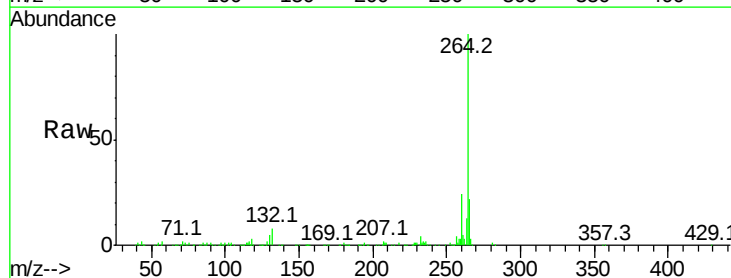
Instrument :  
 BNA\_G  
 ClientSampleId :

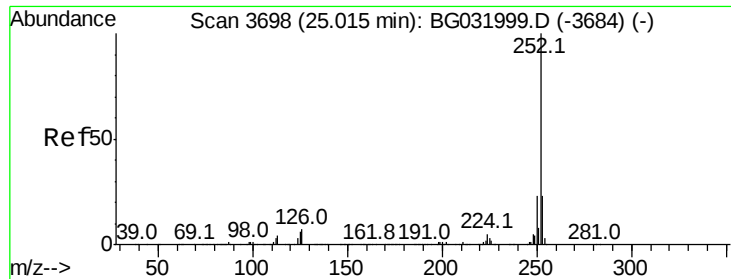
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 4.1   | 16.0  | 24.0# |
| 277     | 26.4  | 20.0  | 30.0  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 26.11 min Scan# 3885  
 Delta R.T. 0.01 min  
 Lab File: BG032331.D  
 Acq: 26 Jan 2018 16:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 17.4  | 26.0  |
| 265     | 22.1  | 17.7  | 26.5  |

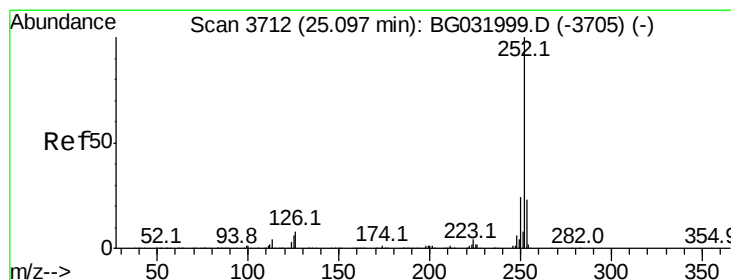
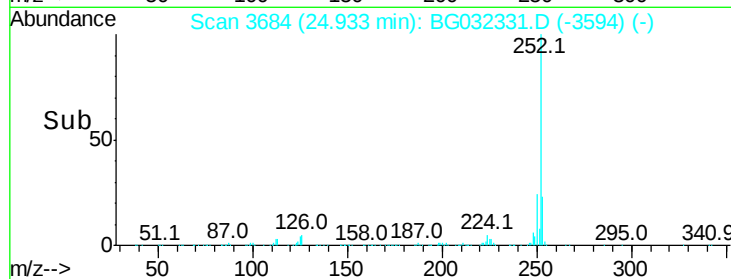
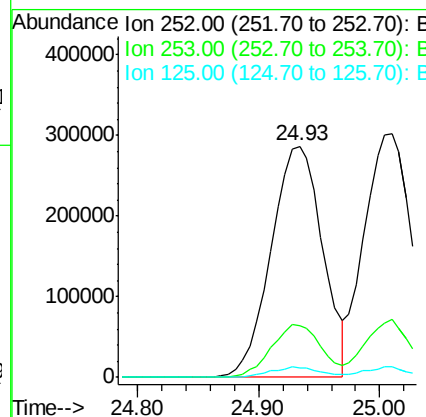
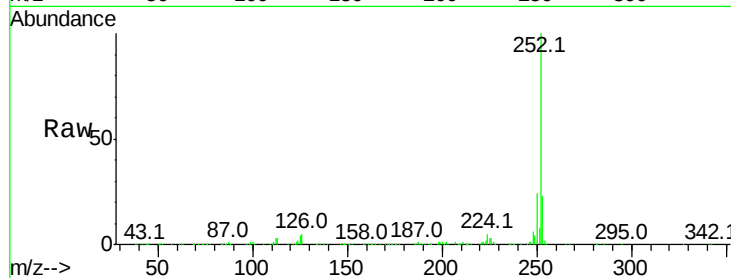




#87  
Benzo(b)fluoranthene  
Concen: 42.411 ng  
RT: 24.93 min Scan# 3684  
Delta R.T. -0.00 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

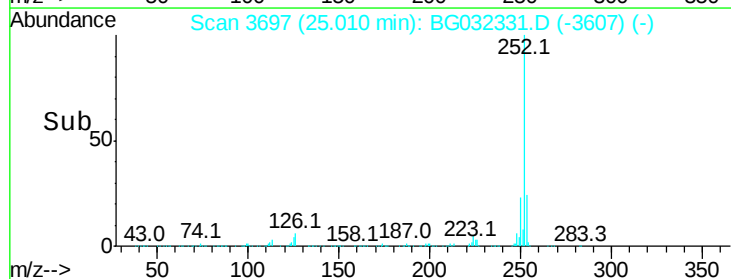
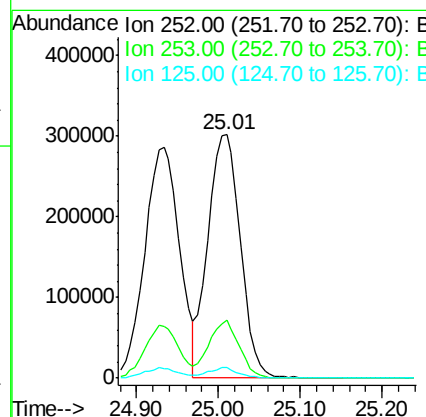
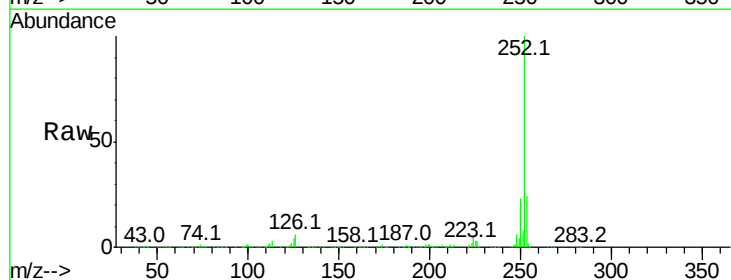
Instrument :  
BNA\_G  
ClientSampleId :

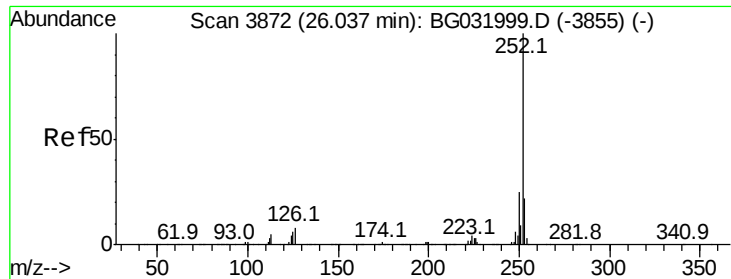
Tot Ion:252 Resp: 846135  
Ion Ratio Lower Upper  
252 100  
253 22.6 18.2 27.4  
125 4.0 7.2 10.8#



#88  
Benzo(k)fluoranthene  
Concen: 42.791 ng  
RT: 25.01 min Scan# 3697  
Delta R.T. -0.00 min  
Lab File: BG032331.D  
Acq: 26 Jan 2018 16:52

Tgt Ion:252 Resp: 834212  
Ion Ratio Lower Upper  
252 100  
253 23.7 17.4 26.2  
125 4.1 6.6 9.8#





#89

Benzo(a)pyrene

Concen: 42.905 ng

RT: 25.94 min Scan# 3855

Delta R.T. -0.00 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

Instrument :

BNA\_G

ClientSampleId :

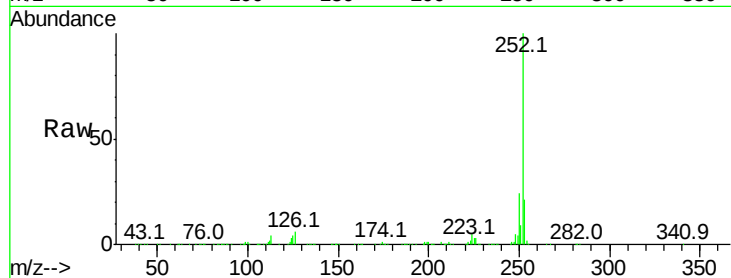
Tot Ion:252 Resp: 809727

Ion Ratio Lower Upper

252 100

253 21.3 18.3 27.5

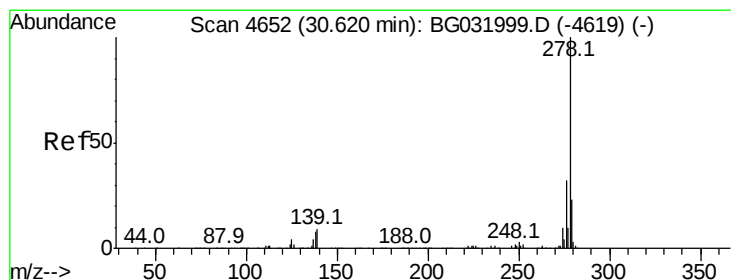
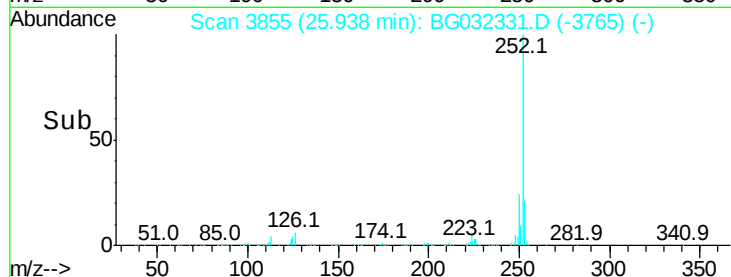
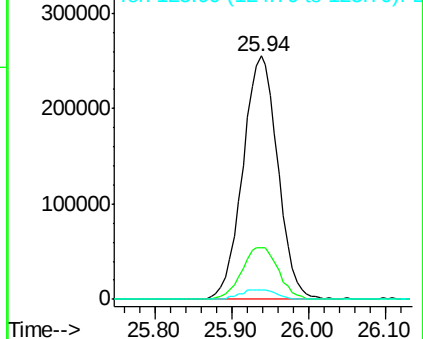
125 4.1 7.3 10.9#



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: 45.053 ng

RT: 30.47 min Scan# 4626

Delta R.T. 0.01 min

Lab File: BG032331.D

Acq: 26 Jan 2018 16:52

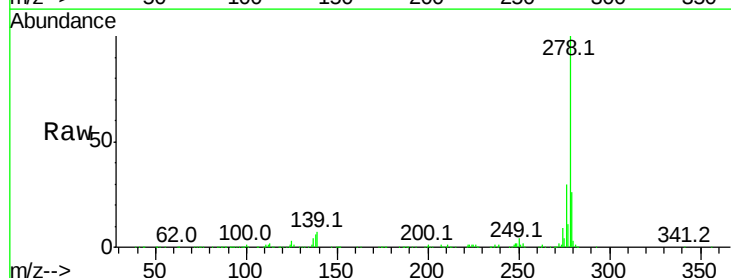
Tgt Ion:278 Resp: 819354

Ion Ratio Lower Upper

278 100

139 7.0 9.8 14.6#

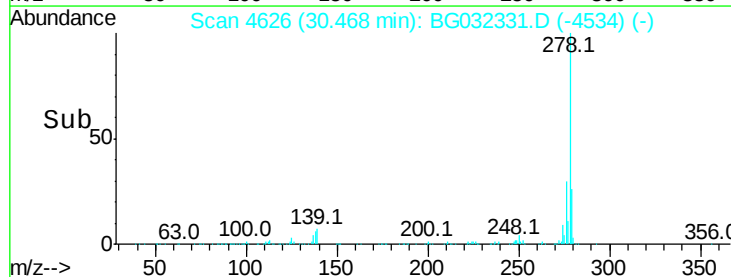
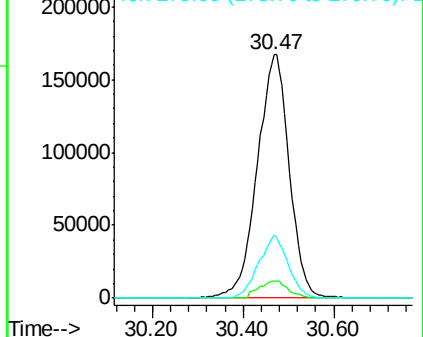
279 25.8 18.4 27.6

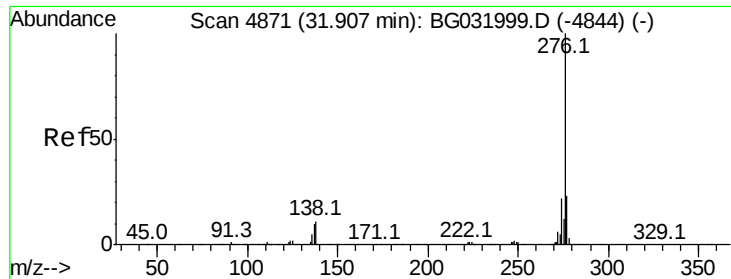


Abundance Ion 278.00 (277.70 to 278.70): E

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: 43.739 ng  
 RT: 31.74 min Scan# 4842  
 Delta R.T. 0.02 min  
 Lab File: BG032331.D  
 Acq: 26 Jan 2018 16:52

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.1  | 18.3  | 27.5  |
| 138     | 8.6   | 13.9  | 20.9  |

