

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121417\  
 Data File : BG031590.D  
 Acq On : 15 Dec 2017 11:30  
 Operator : SJ/JU  
 Sample : I6830-04  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Dec 15 12:10:22 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 11 17:25:55 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.10  | 152  | 85561    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.92 | 136  | 339163   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.74 | 164  | 221027   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.49 | 188  | 492189   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.74 | 240  | 588540   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 25.01 | 264  | 536564   | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

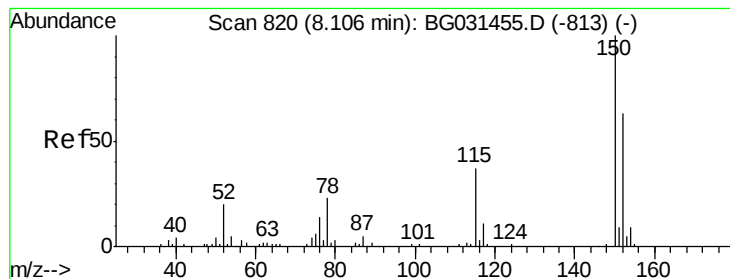
|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.66  | 112 | 594350  | 123.13 | ng | 0.00 |
| 7) Phenol-d6             | 7.27  | 99  | 736560  | 109.92 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.27  | 82  | 475543  | 86.42  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.23 | 330 | 288852  | 111.55 | ng | 0.01 |
| 44) 2-Fluorobiphenyl     | 13.36 | 172 | 1154299 | 76.66  | ng | 0.00 |
| 78) Terphenyl-d14        | 20.06 | 244 | 1839448 | 71.11  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 10) Phenol                     | 7.30  | 94  | 31854  | 4.627  | ng | 96     |
| 18) Hexachloroethane           | 9.21  | 117 | 52962  | 23.610 | ng | # 1    |
| 19) n-Nitroso-di-n-propylamine | 8.87  | 70  | 13824  | 2.621  | ng | # 79   |
| 25) Isophorone                 | 9.83  | 82  | 120414 | 11.579 | ng | # 1    |
| 26) 2-Nitrophenol              | 10.03 | 139 | 13876  | 4.977  | ng | # 1    |
| 28) bis(2-Chloroethoxy)methane | 10.37 | 93  | 16056  | 2.392  | ng | # 1    |
| 31) Naphthalene                | 10.98 | 128 | 42136  | 2.529  | ng | # 1    |
| 32) Benzoic acid               | 10.23 | 122 | 3331   | 8.454  | ng | # 5    |
| 33) 4-Chloroaniline            | 11.07 | 127 | 17100  | 2.364  | ng | # 1    |
| 35) Caprolactam                | 11.83 | 113 | 8700   | 4.440  | ng | # 1    |
| 36) 4-Chloro-3-methylphenol    | 12.20 | 107 | 20452  | 3.591  | ng | # 29   |
| 47) 2-Nitroaniline             | 13.84 | 65  | 8294   | 2.221  | ng | # 1    |
| 48) Acenaphthylene             | 14.47 | 152 | 193931 | 9.071  | ng | # 1    |
| 49) Dimethylphthalate          | 14.18 | 163 | 136583 | 7.464  | ng | # 16   |
| 50) 2,6-Dinitrotoluene         | 14.29 | 165 | 30144  | 7.707  | ng | # 73   |
| 51) Acenaphthene               | 14.81 | 154 | 346467 | 25.629 | ng | 95     |
| 52) 3-Nitroaniline             | 14.65 | 138 | 37514  | 9.409  | ng | # 20   |
| 53) 2,4-Dinitrophenol          | 14.88 | 184 | 2182   | 10.237 | ng | # 1    |
| 54) Dibenzofuran               | 15.14 | 168 | 482596 | 22.371 | ng | # 90   |
| 55) 4-Nitrophenol              | 14.96 | 139 | 45465  | 19.671 | ng | # 26   |
| 56) 2,4-Dinitrotoluene         | 15.13 | 165 | 30905  | 5.563  | ng | # 57   |
| 57) Fluorene                   | 15.79 | 166 | 740447 | 42.837 | ng | # 96   |
| 61) 4-Nitroaniline             | 15.79 | 138 | 11724  | 2.802  | ng | 83     |
| 62) Azobenzene                 | 16.09 | 77  | 57661  | 3.795  | ng | # 1    |
| 64) 4,6-Dinitro-2-methylphenol | 15.90 | 198 | 10603  | 8.104  | ng | # 1    |
| 65) n-Nitrosodiphenylamine     | 15.89 | 169 | 580753 | 40.312 | ng | 94     |
| 69) Pentachlorophenol          | 17.14 | 266 | 727    | 5.899  | ng | # 16   |
| 71) Anthracene                 | 17.62 | 178 | 178366 | 7.016  | ng | # 69   |
| 72) Carbazole                  | 17.88 | 167 | 77238  | 3.357  | ng | # 1    |
| 74) Fluoranthene               | 19.52 | 202 | 70548  | 2.193  | ng | 76     |
| 77) Pyrene                     | 19.88 | 202 | 227533 | 6.222  | ng | # 72   |

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

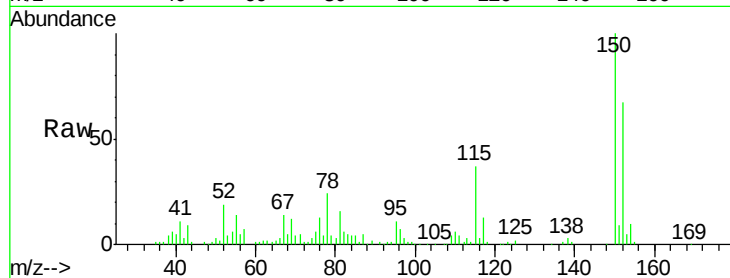




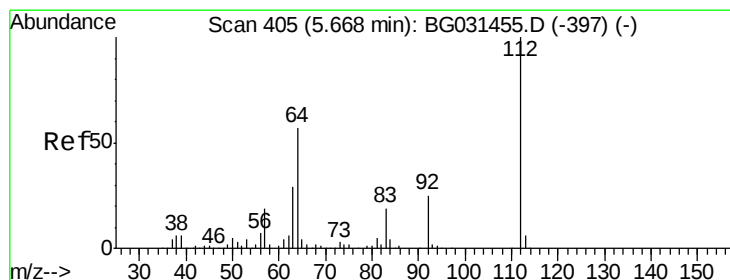
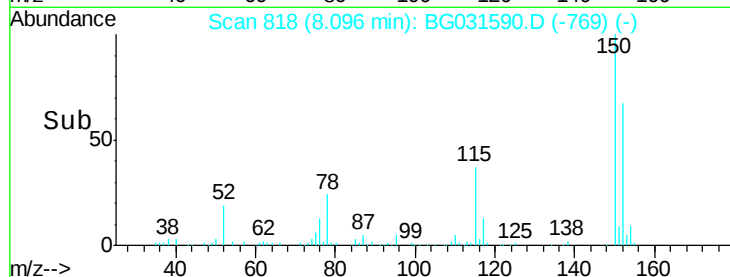
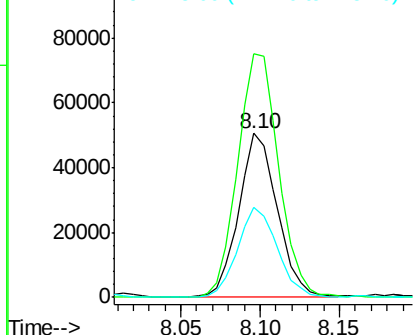
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.10 min Scan# 818  
 Delta R.T. -0.01 min  
 Lab File: BG031590.D  
 Acq: 15 Dec 2017 11:30

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:152 Resp: 85561  
 Ion Ratio Lower Upper  
 152 100  
 150 148.5 126.6 189.8  
 115 55.2 53.0 79.4

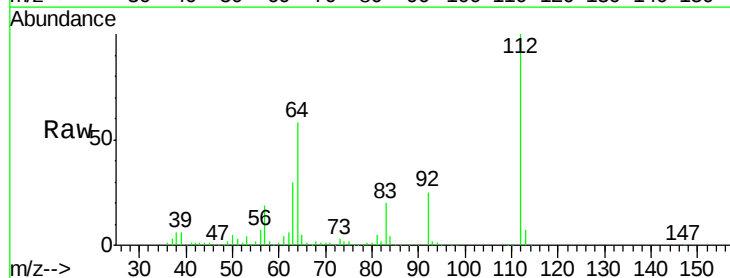


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

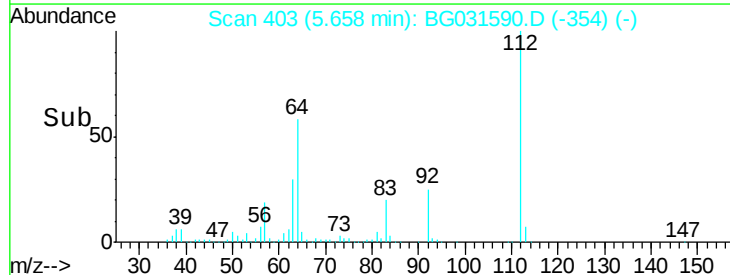
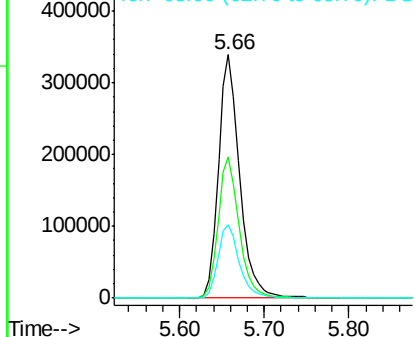


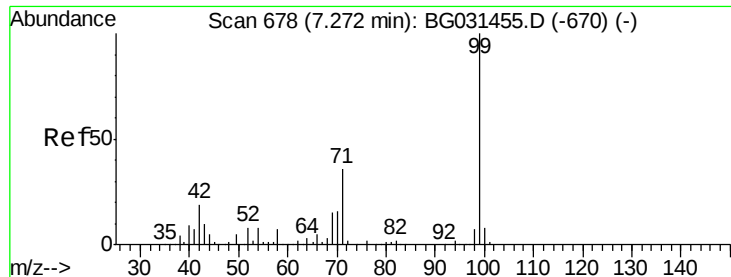
#5  
 2-Fluorophenol  
 Concen: 123.128 ng  
 RT: 5.66 min Scan# 403  
 Delta R.T. -0.01 min  
 Lab File: BG031590.D  
 Acq: 15 Dec 2017 11:30

Tgt Ion:112 Resp: 594350  
 Ion Ratio Lower Upper  
 112 100  
 64 58.2 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





#7

Phenol-d6

Concen: 109.916 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.00 min

Lab File: BG031590.D

Acq: 15 Dec 2017 11:30

Instrument :

BNA\_G

ClientSampleId :

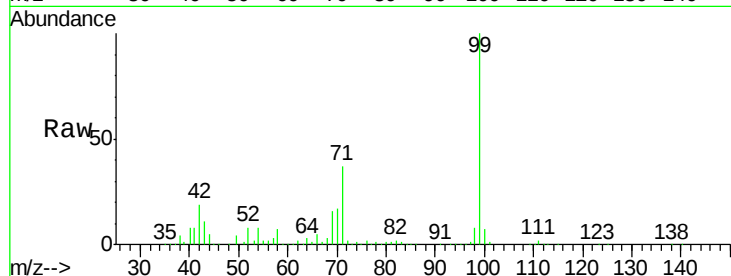
Tot Ion: 99 Resp: 736560

Ion Ratio Lower Upper

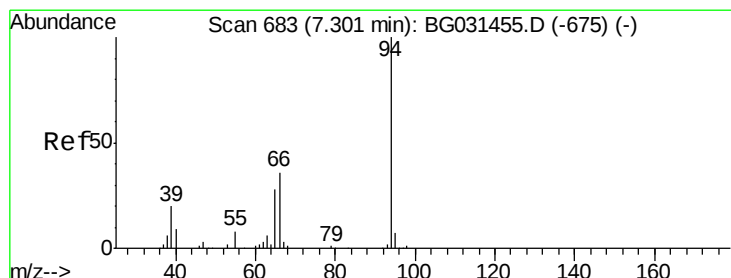
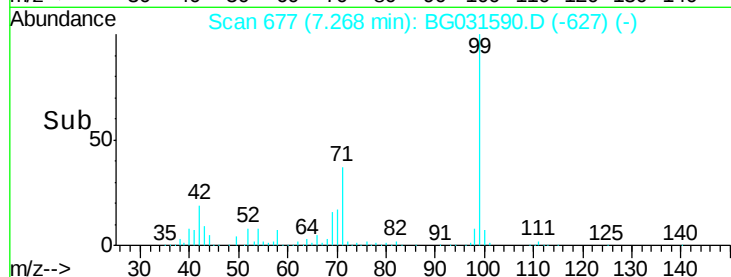
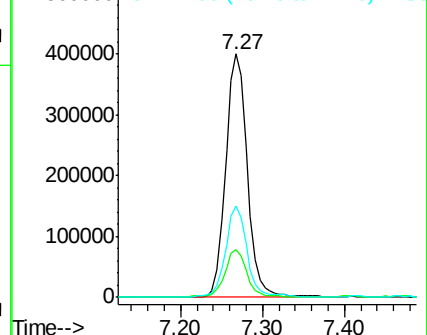
99 100

42 19.5 14.1 21.1

71 37.4 26.1 39.1



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



#10

Phenol

Concen: 4.627 ng

RT: 7.30 min Scan# 682

Delta R.T. -0.00 min

Lab File: BG031590.D

Acq: 15 Dec 2017 11:30

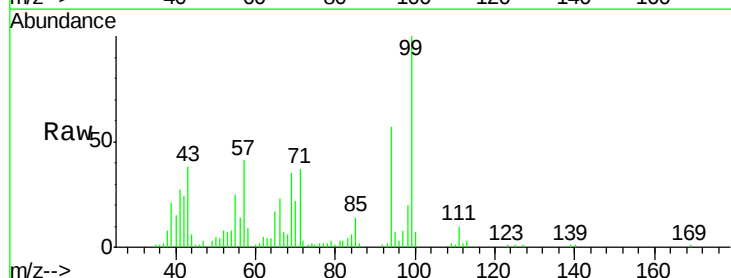
Tgt Ion: 94 Resp: 31854

Ion Ratio Lower Upper

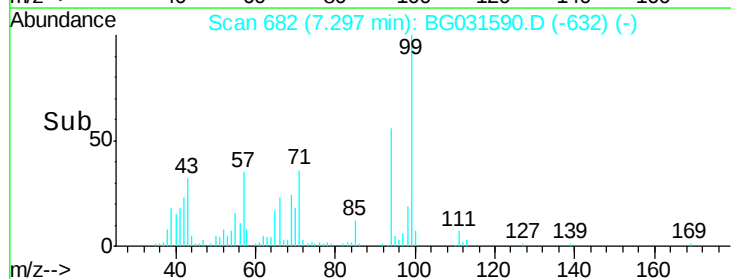
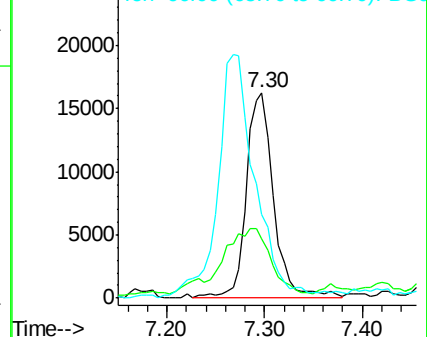
94 100

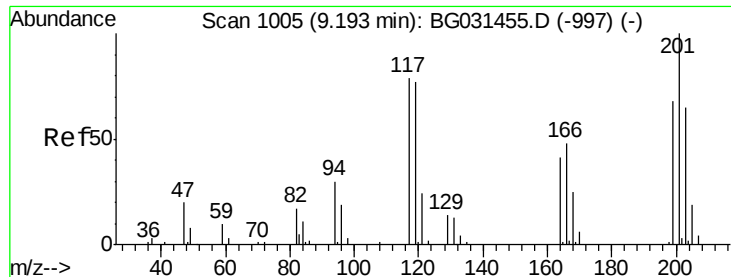
65 29.0 11.9 51.9

66 40.7 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

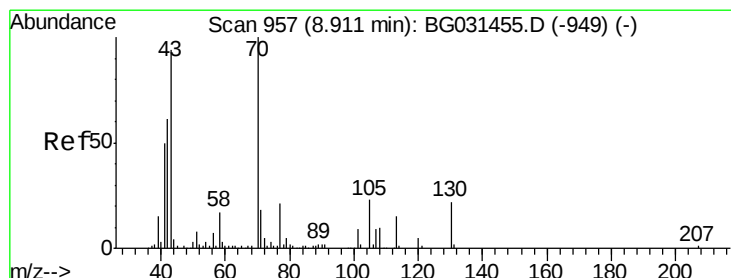
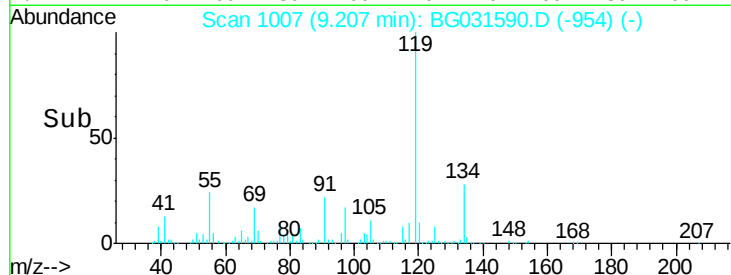
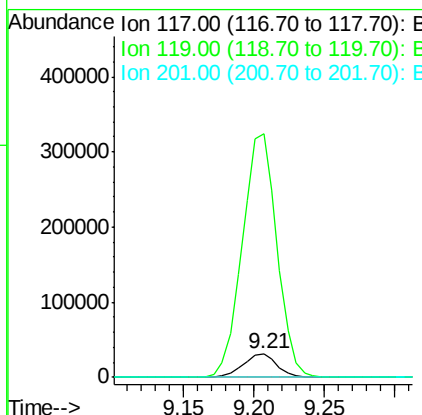
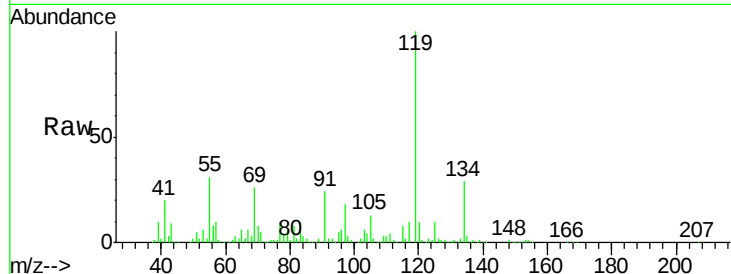




#18  
Hexachloroethane  
Concen: 23.610 ng  
RT: 9.21 min Scan# 1007  
Delta R.T. 0.01 min  
Lab File: BG031590.D  
Acq: 15 Dec 2017 11:30

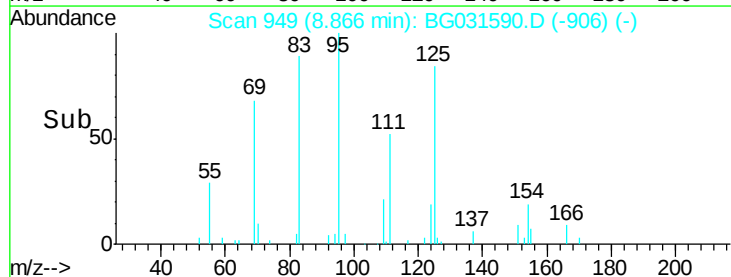
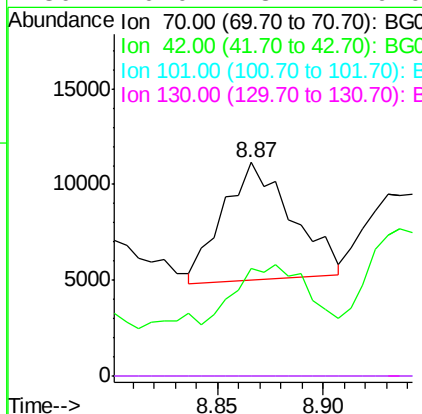
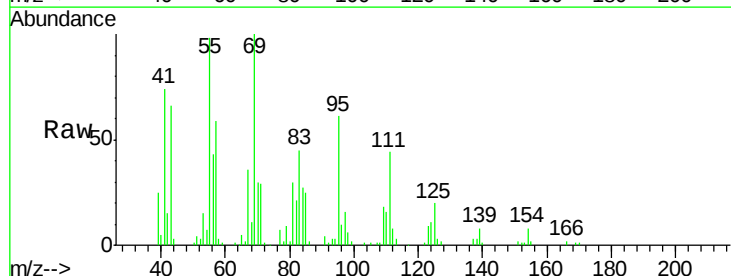
Instrument :  
BNA\_G  
ClientSampleId :

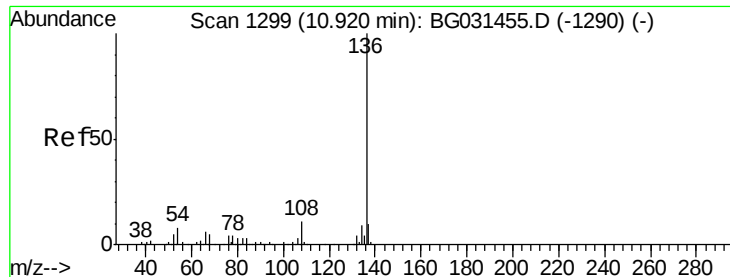
Tot Ion:117 Resp: 52962  
Ion Ratio Lower Upper  
117 100  
119 1030.6 76.7 115.1#  
201 0.0 95.7 143.5#



#19  
n-Nitroso-di-n-propylamine  
Concen: 2.621 ng  
RT: 8.87 min Scan# 949  
Delta R.T. -0.05 min  
Lab File: BG031590.D  
Acq: 15 Dec 2017 11:30

Tgt Ion: 70 Resp: 13824  
Ion Ratio Lower Upper  
70 100  
42 50.4 49.1 73.7  
101 0.0 8.5 12.7#  
130 0.0 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.92 min Scan# 1298

Delta R.T. -0.00 min

Lab File: BG031590.D

Acq: 15 Dec 2017 11:30

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:136 Resp: 339163

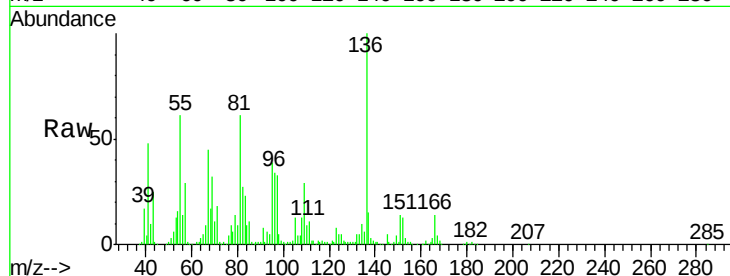
Ion Ratio Lower Upper

136 100

137 14.9 9.2 13.8#

54 15.8 10.3 15.5#

68 17.0 4.5 6.7#

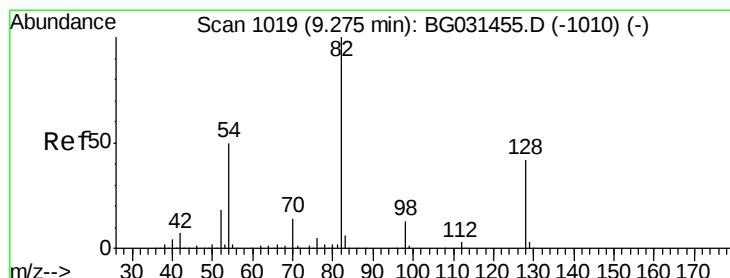
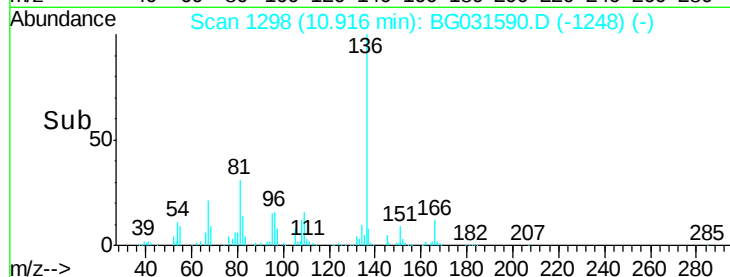
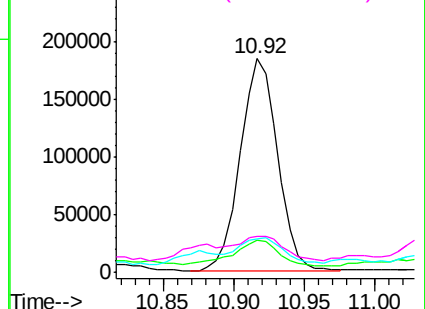


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 86.421 ng

RT: 9.27 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BG031590.D

Acq: 15 Dec 2017 11:30

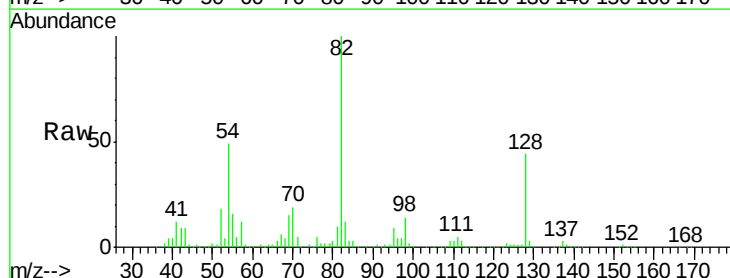
Tgt Ion: 82 Resp: 475543

Ion Ratio Lower Upper

82 100

128 44.4 29.7 44.5

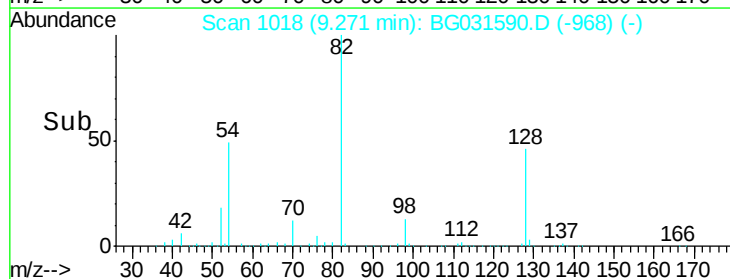
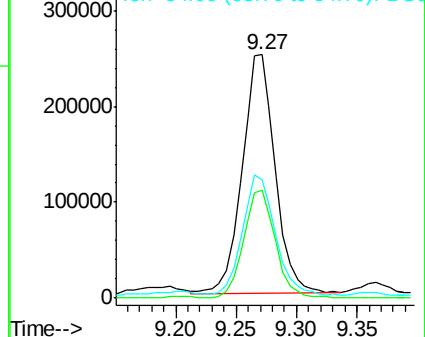
54 48.8 43.1 64.7

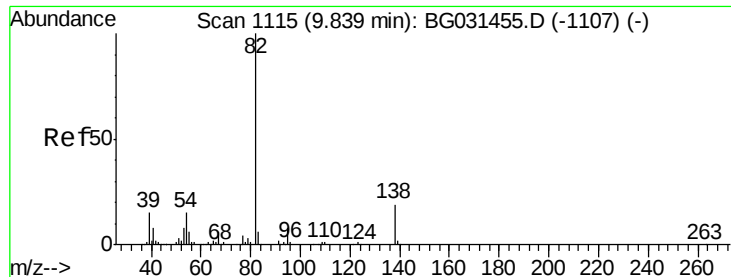


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#25

Isophorone

Concen: 11.579 ng

RT: 9.83 min Scan# 1113

Delta R.T. -0.01 min

Lab File: BG031590.D

Acq: 15 Dec 2017 11:30

Instrument :

BNA\_G

ClientSampleId :

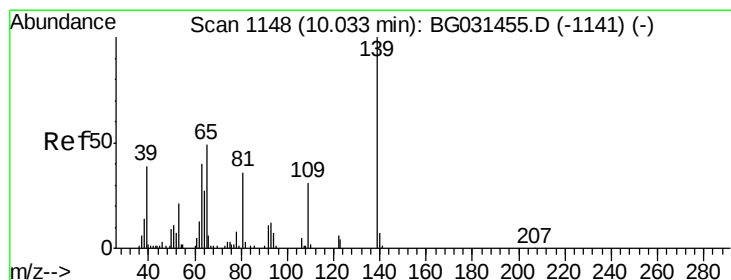
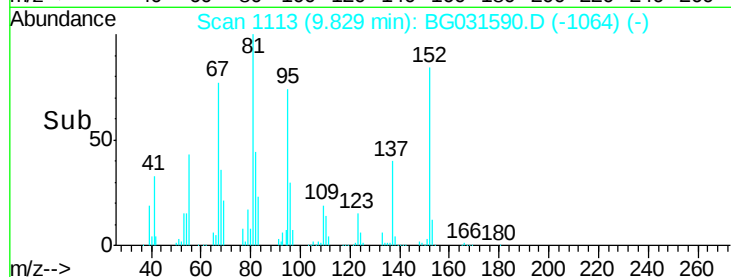
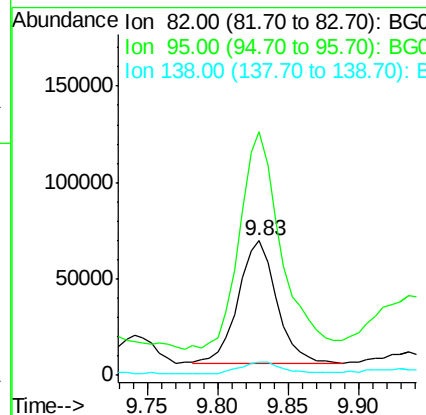
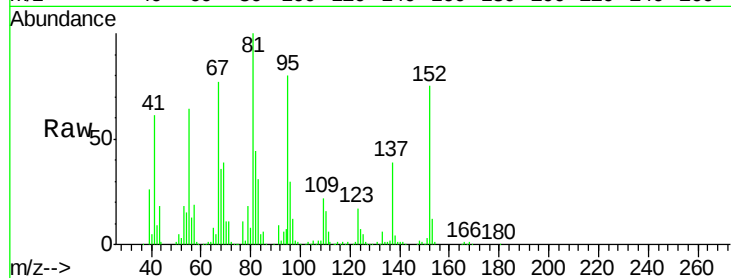
Tot Ion: 82 Resp: 120414

Ion Ratio Lower Upper

82 100

95 181.4 6.2 9.2#

138 10.0 12.1 18.1#



#26

2-Nitrophenol

Concen: 4.977 ng

RT: 10.03 min Scan# 1147

Delta R.T. -0.00 min

Lab File: BG031590.D

Acq: 15 Dec 2017 11:30

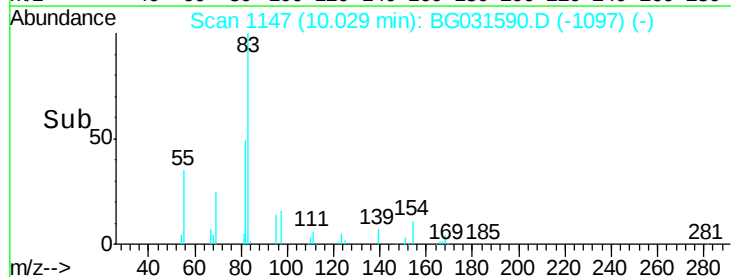
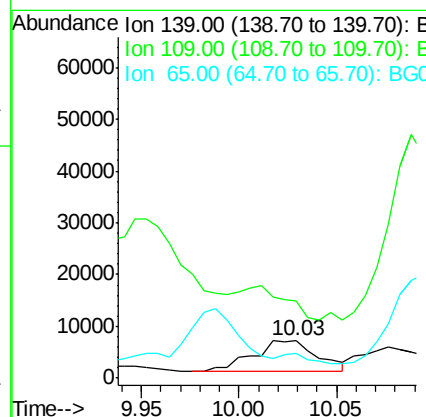
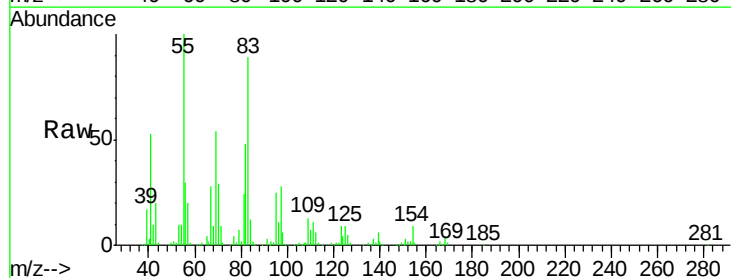
Tgt Ion: 139 Resp: 13876

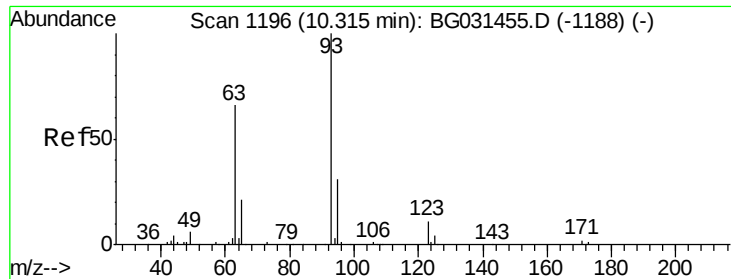
Ion Ratio Lower Upper

139 100

109 206.6 24.2 36.2#

65 67.6 47.4 71.0

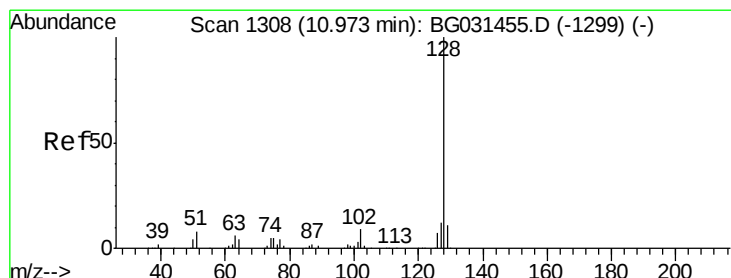
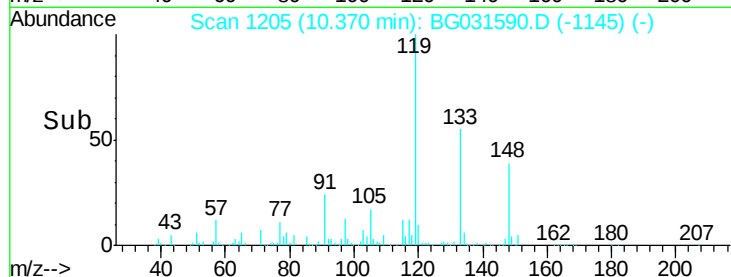
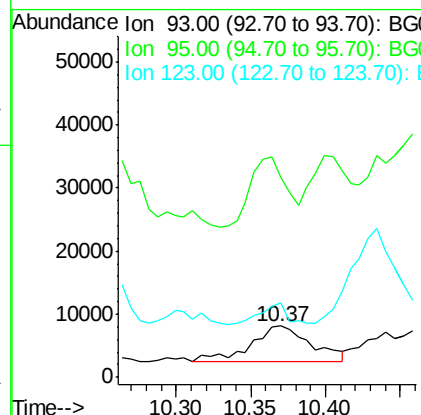
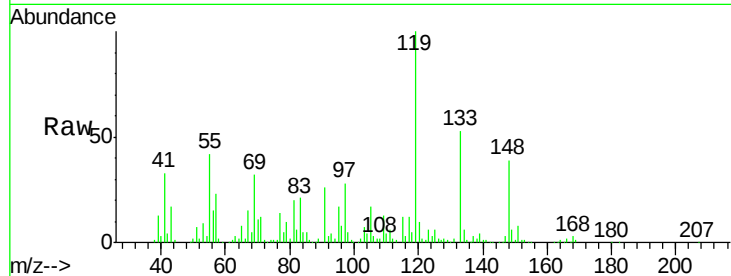




#28  
bis(2-Chloroethoxy)methane  
Concen: 2.392 ng  
RT: 10.37 min Scan# 1205  
Delta R.T. 0.05 min  
Lab File: BG031590.D  
Acq: 15 Dec 2017 11:30

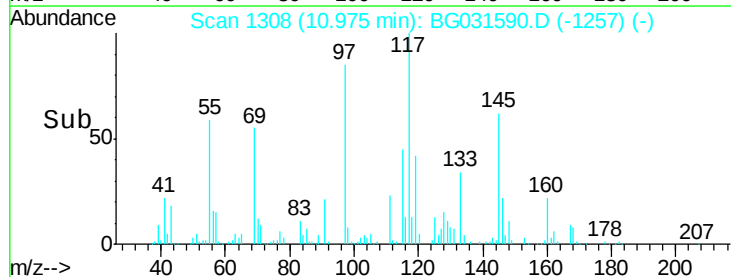
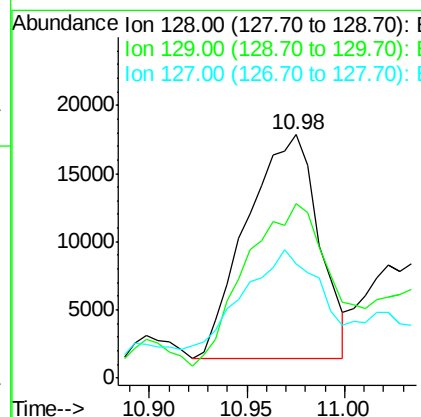
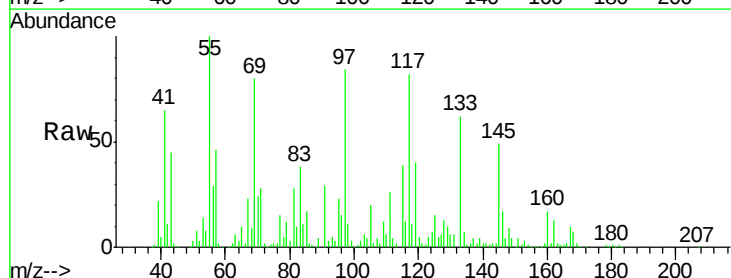
Instrument :  
BNA\_G  
ClientSampleId :

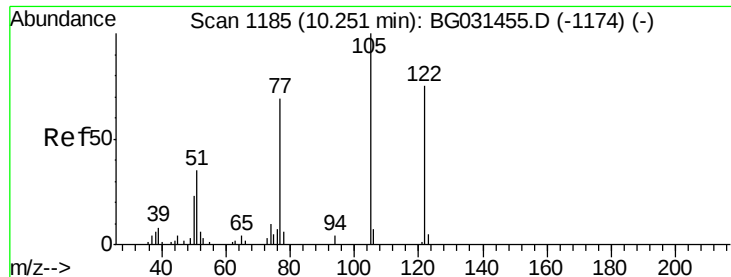
Tot Ion: 93 Resp: 16056  
Ion Ratio Lower Upper  
93 100  
95 390.8 24.3 36.5#  
123 145.1 8.4 12.6#



#31  
Naphthalene  
Concen: 2.529 ng  
RT: 10.98 min Scan# 1308  
Delta R.T. 0.00 min  
Lab File: BG031590.D  
Acq: 15 Dec 2017 11:30

Tgt Ion: 128 Resp: 42136  
Ion Ratio Lower Upper  
128 100  
129 71.8 8.6 12.8#  
127 47.1 11.6 17.4#

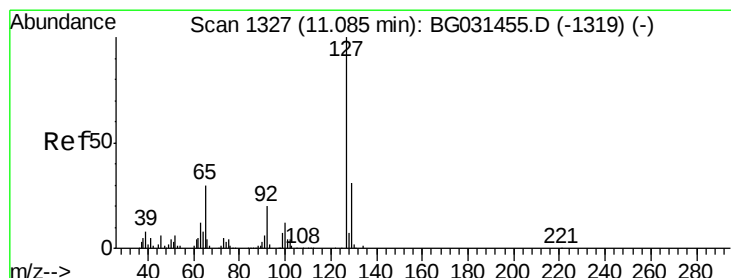
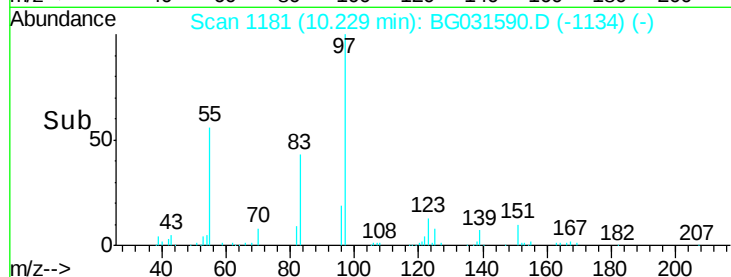
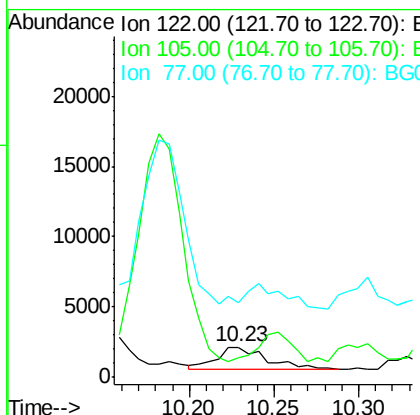
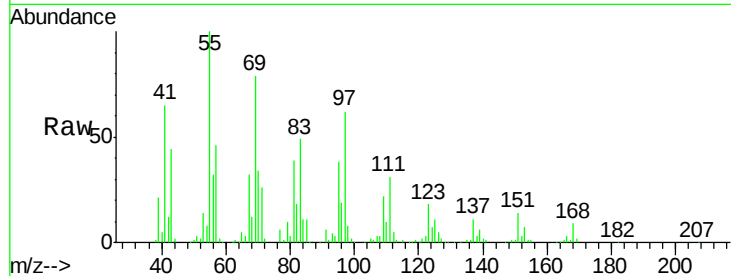




#32  
Benzoic acid  
Concen: 8.454 ng  
RT: 10.23 min Scan# 1181  
Delta R.T. -0.02 min  
Lab File: BG031590.D  
Acq: 15 Dec 2017 11:30

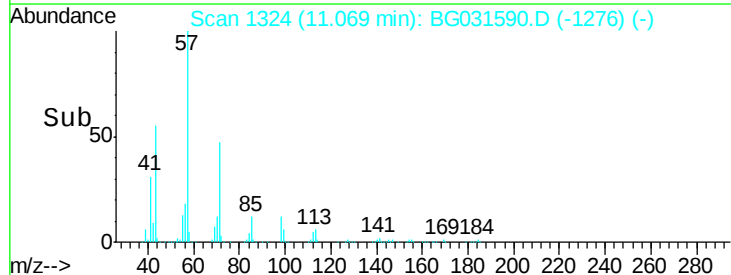
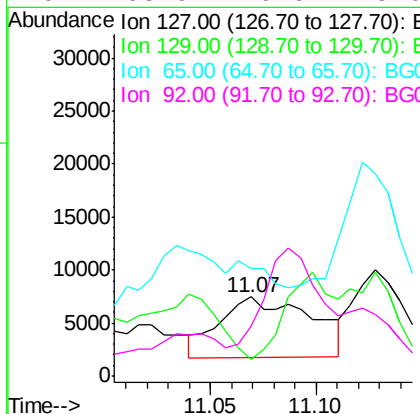
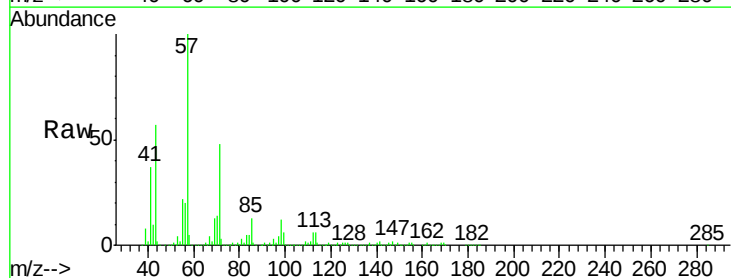
Instrument :  
BNA\_G  
ClientSampleId :

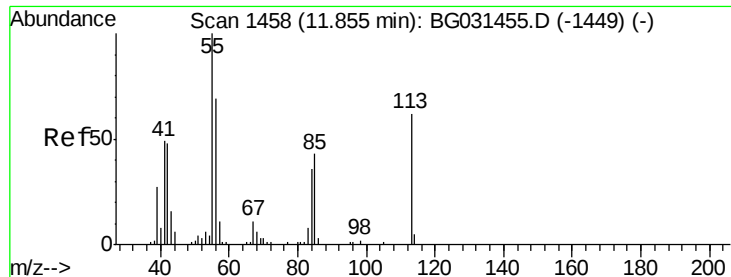
Tot Ion:122 Resp: 3331  
Ion Ratio Lower Upper  
122 100  
105 63.2 123.5 163.5#  
77 245.5 85.7 125.7#



#33  
4-Chloroaniline  
Concen: 2.364 ng  
RT: 11.07 min Scan# 1324  
Delta R.T. -0.02 min  
Lab File: BG031590.D  
Acq: 15 Dec 2017 11:30

Tgt Ion:127 Resp: 17100  
Ion Ratio Lower Upper  
127 100  
129 21.2 24.0 36.0#  
65 136.7 27.0 40.4#  
92 63.9 16.6 25.0#





#35

Caprolactam

Concen: 4.440 ng

RT: 11.83 min Scan# 1454

Delta R.T. -0.02 min

Lab File: BG031590.D

Acq: 15 Dec 2017 11:30

Instrument :

BNA\_G

ClientSampled :

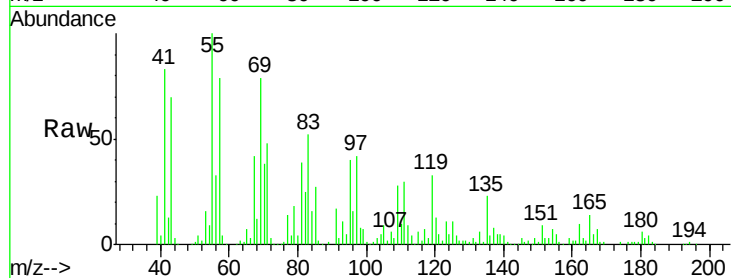
Tot Ion:113 Resp: 8700

Ion Ratio Lower Upper

113 100

55 2323.3 186.9 226.9#

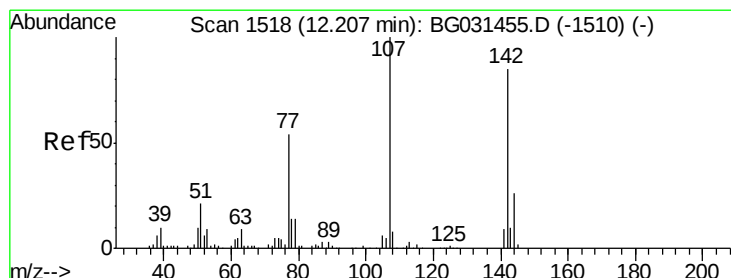
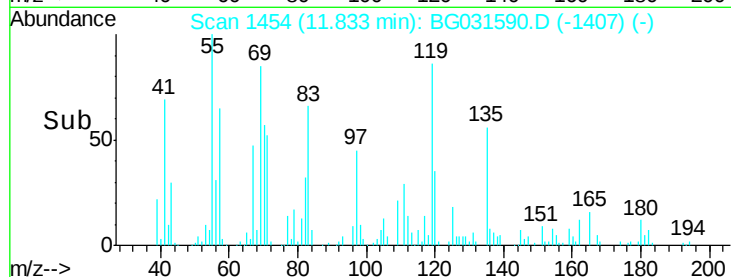
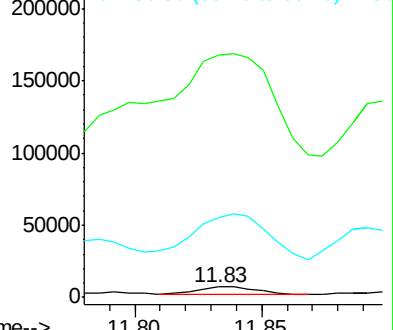
56 770.3 130.9 170.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 3.591 ng

RT: 12.20 min Scan# 1517

Delta R.T. -0.00 min

Lab File: BG031590.D

Acq: 15 Dec 2017 11:30

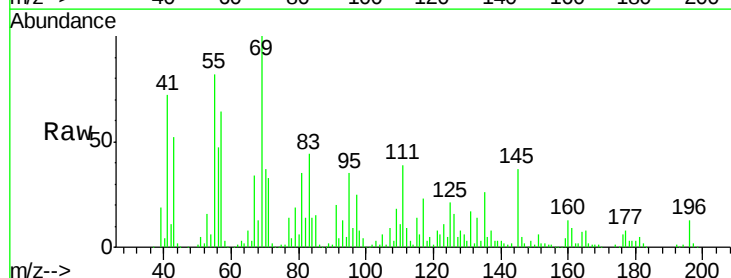
Tgt Ion:107 Resp: 20452

Ion Ratio Lower Upper

107 100

144 0.0 18.2 27.4#

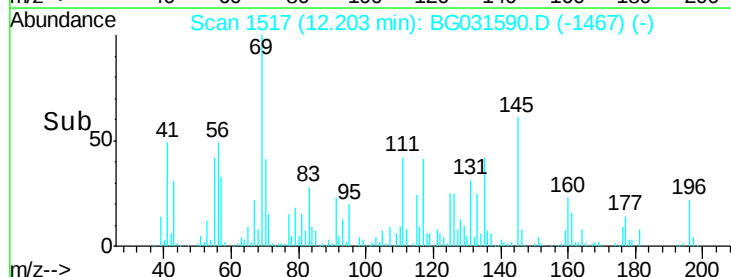
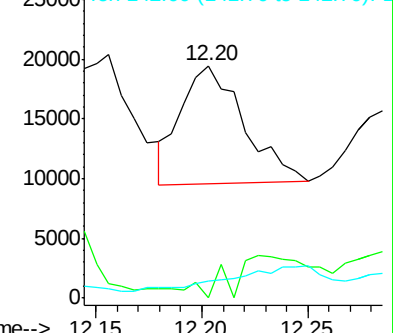
142 7.3 59.0 88.4#

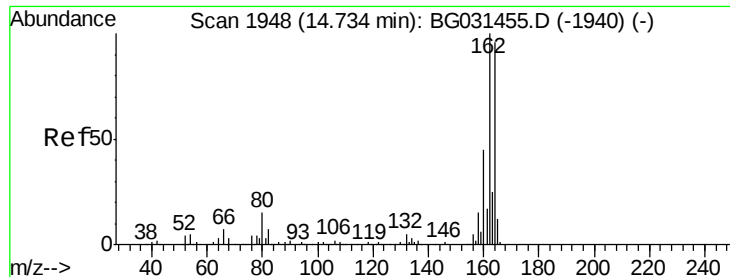


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. 0.01 min

Lab File: BG031590.D

Acq: 15 Dec 2017 11:30

Instrument :

BNA\_G

ClientSampleId :

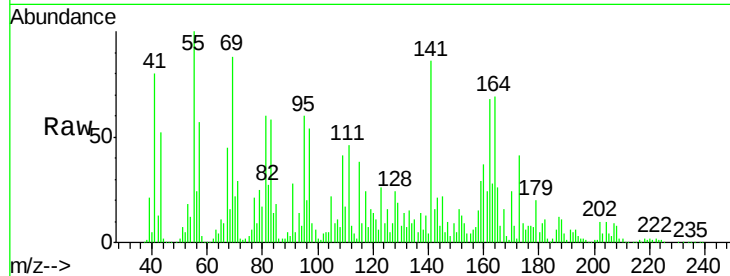
Tot Ion:164 Resp: 221027

Ion Ratio Lower Upper

164 100

162 98.6 78.8 118.2

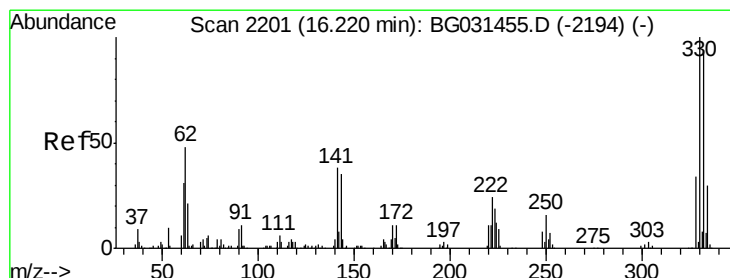
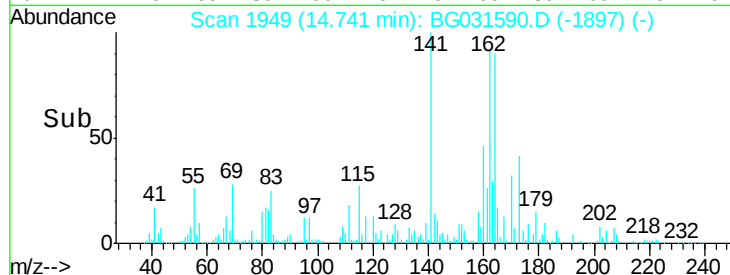
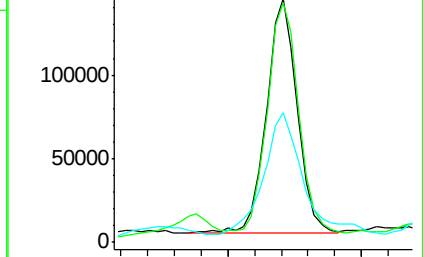
160 53.3 35.4 53.0#



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 111.551 ng

RT: 16.23 min Scan# 2203

Delta R.T. 0.01 min

Lab File: BG031590.D

Acq: 15 Dec 2017 11:30

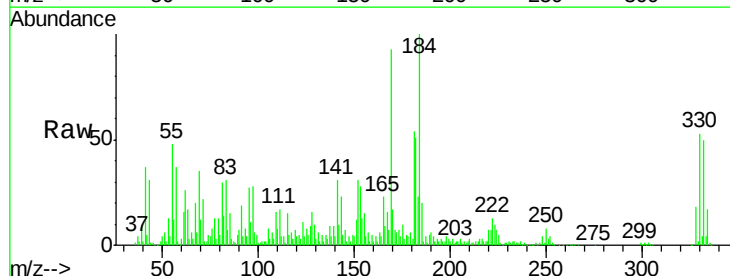
Tgt Ion:330 Resp: 288852

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

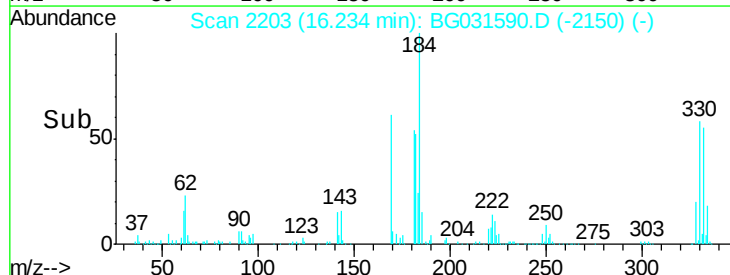
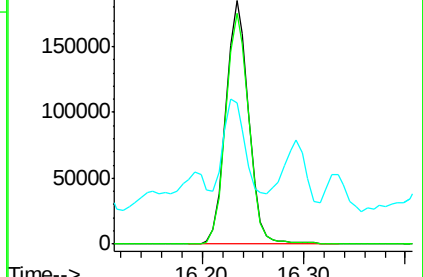
141 41.2 25.2 37.8#

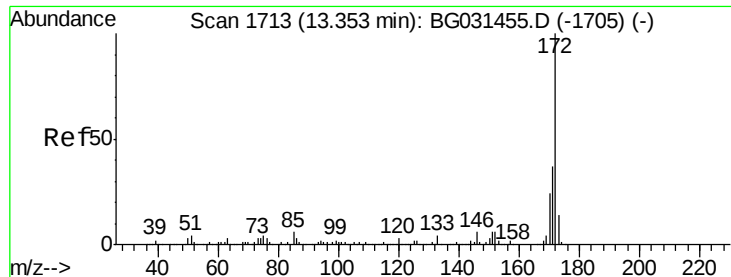


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

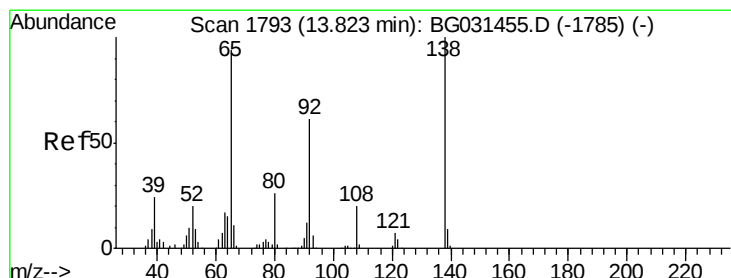
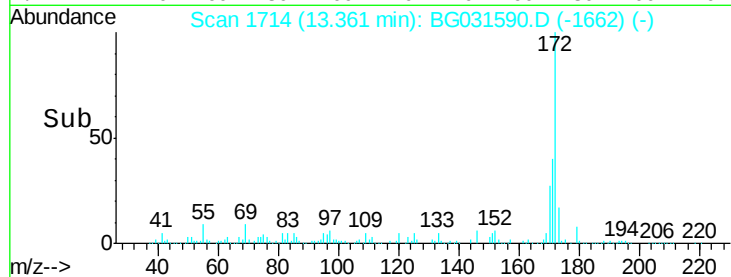
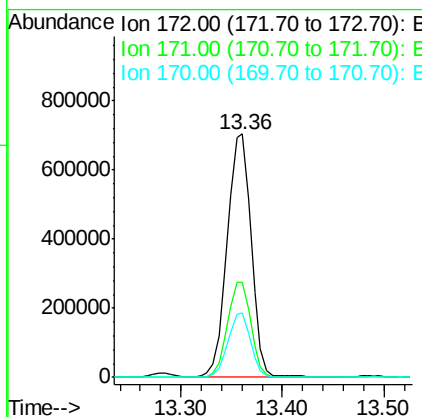
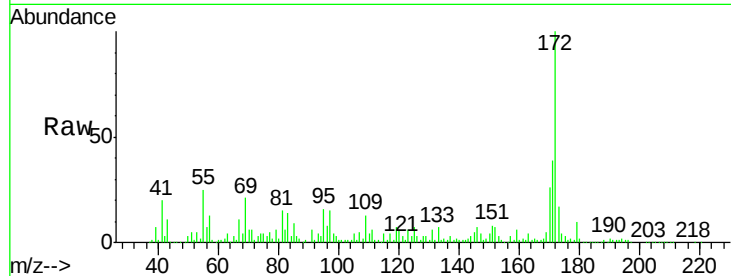




#44  
2-Fluorobiphenyl  
Concen: 76.659 ng  
RT: 13.36 min Scan# 1714  
Delta R.T. 0.01 min  
Lab File: BG031590.D  
Acq: 15 Dec 2017 11:30

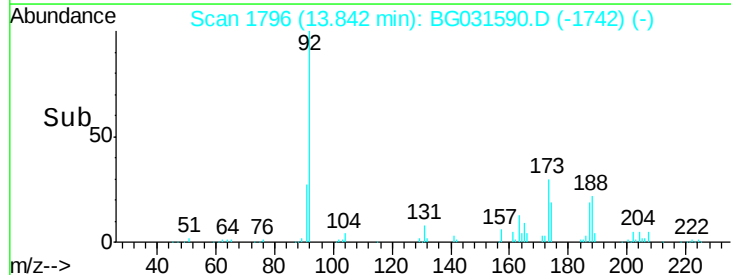
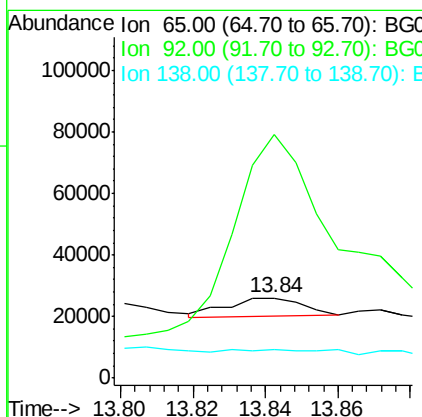
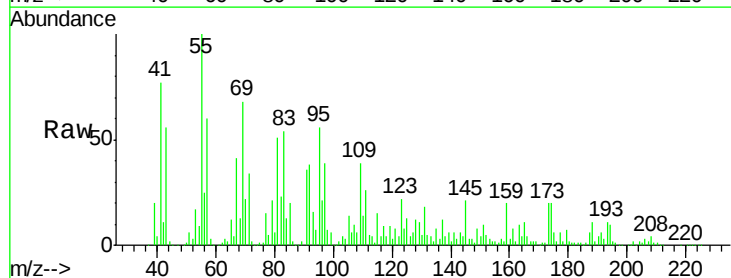
Instrument :  
BNA\_G  
ClientSampleId :

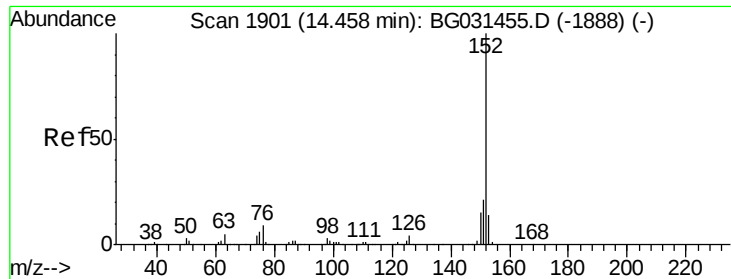
Tot Ion:172 Resp: 1154299  
Ion Ratio Lower Upper  
172 100  
171 39.2 30.0 45.0  
170 26.4 19.5 29.3



#47  
2-Nitroaniline  
Concen: 2.221 ng  
RT: 13.84 min Scan# 1796  
Delta R.T. 0.02 min  
Lab File: BG031590.D  
Acq: 15 Dec 2017 11:30

Tgt Ion: 65 Resp: 8294  
Ion Ratio Lower Upper  
65 100  
92 305.0 54.6 82.0#  
138 35.4 72.9 109.3#





#48

Acenaphthylene

Concen: 9.071 ng

RT: 14.47 min Scan# 1903

Delta R.T. 0.01 min

Lab File: BG031590.D

Acq: 15 Dec 2017 11:30

Instrument :

BNA\_G

ClientSampleId :

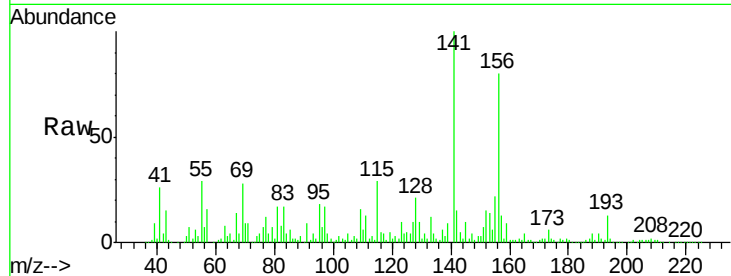
Tot Ion:152 Resp: 193931

Ion Ratio Lower Upper

152 100

151 49.2 17.2 25.8#

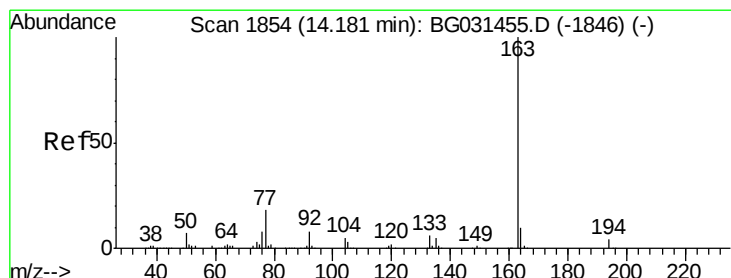
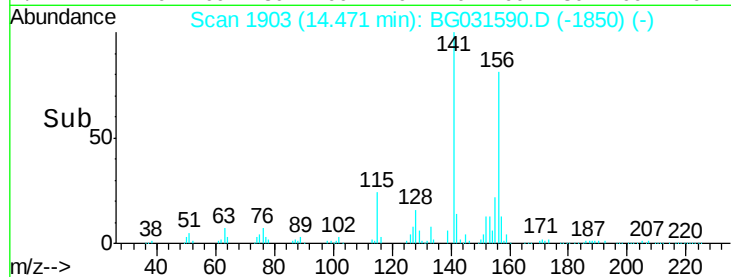
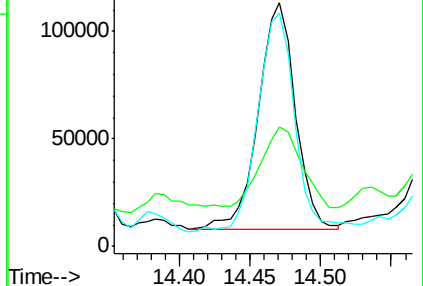
153 95.6 10.2 15.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 7.464 ng

RT: 14.18 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BG031590.D

Acq: 15 Dec 2017 11:30

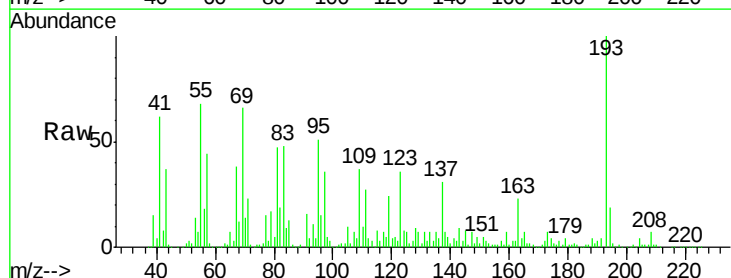
Tgt Ion:163 Resp: 136583

Ion Ratio Lower Upper

163 100

194 83.9 3.4 5.2#

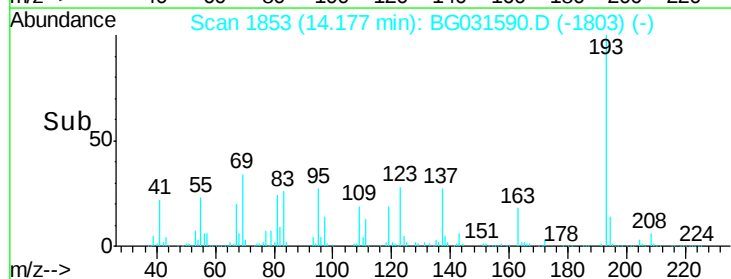
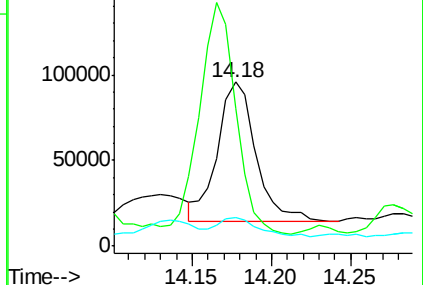
164 17.3 8.2 12.4#

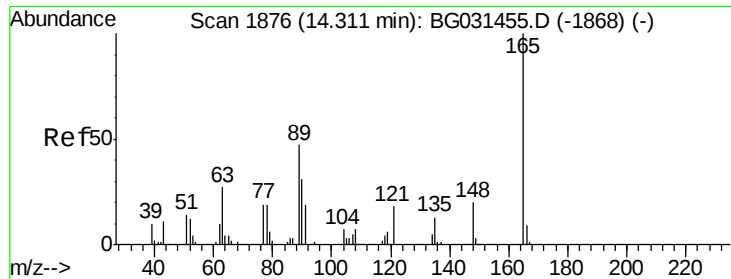


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

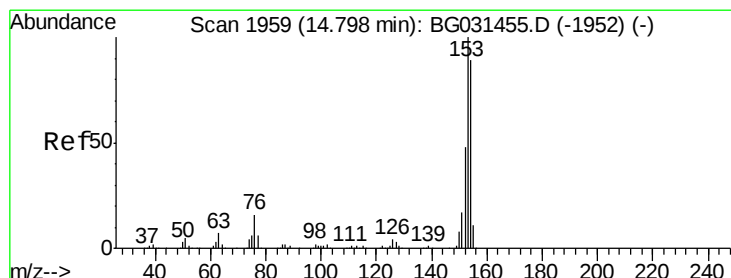
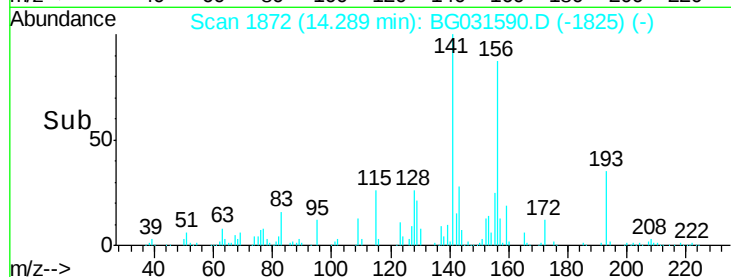
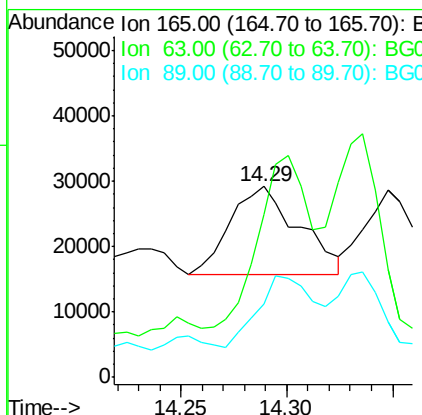
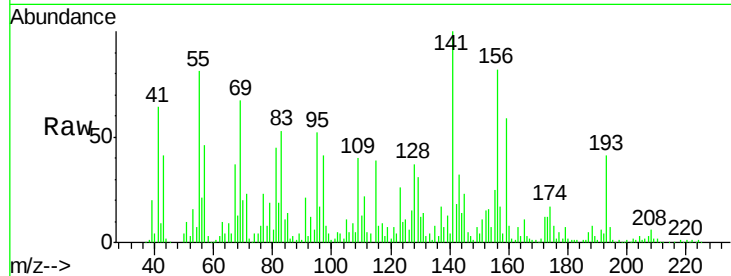




#50  
2,6-Dinitrotoluene  
Concen: 7.707 ng  
RT: 14.29 min Scan# 1872  
Delta R.T. -0.02 min  
Lab File: BG031590.D  
Acq: 15 Dec 2017 11:30

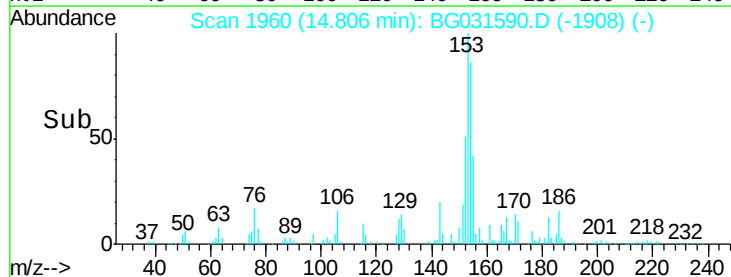
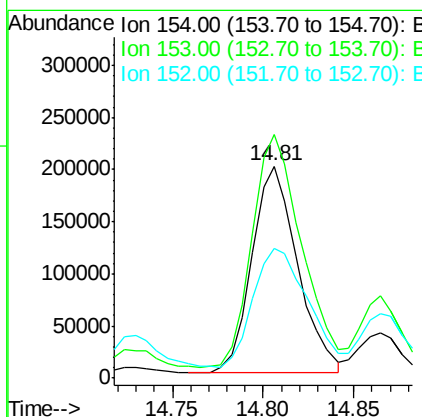
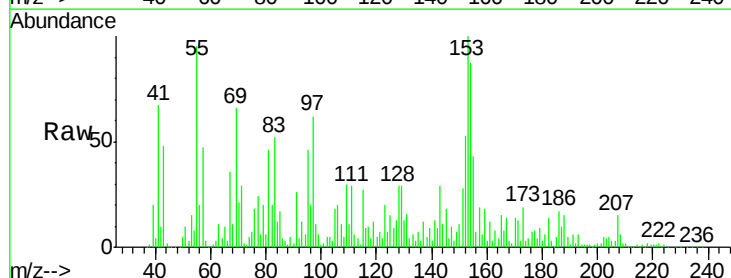
Instrument :  
BNA\_G  
ClientSampled :

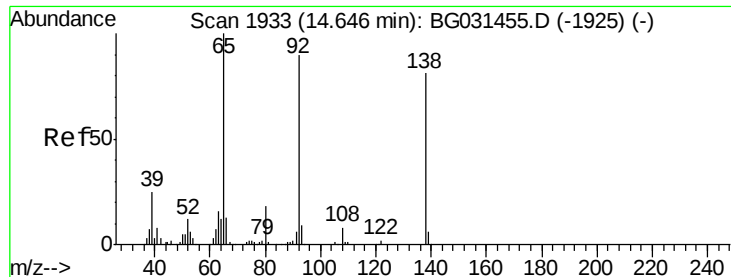
Tot Ion:165 Resp: 30144  
Ion Ratio Lower Upper  
165 100  
63 85.5 52.7 79.1#  
89 38.7 49.2 73.8#



#51  
Acenaphthene  
Concen: 25.629 ng  
RT: 14.81 min Scan# 1960  
Delta R.T. 0.01 min  
Lab File: BG031590.D  
Acq: 15 Dec 2017 11:30

Tgt Ion:154 Resp: 346467  
Ion Ratio Lower Upper  
154 100  
153 115.0 90.4 135.6  
152 61.1 41.6 62.4





#52

3-Nitroaniline

Concen: 9.409 ng

RT: 14.65 min Scan# 1933

Delta R.T. 0.00 min

Lab File: BG031590.D

Acq: 15 Dec 2017 11:30

Instrument :

BNA\_G

ClientSampled :

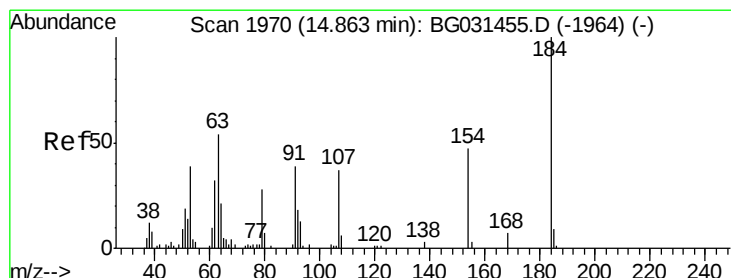
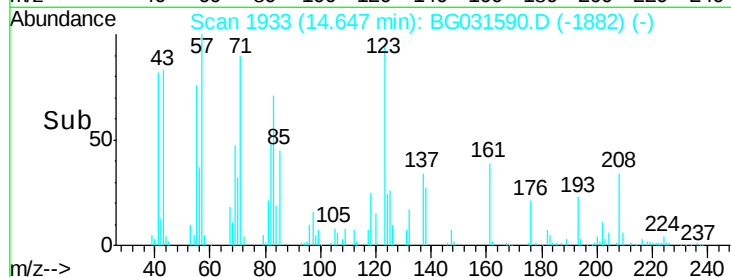
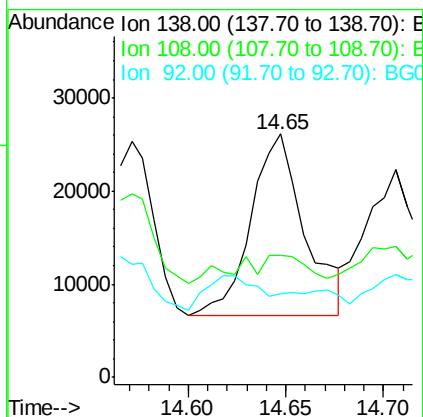
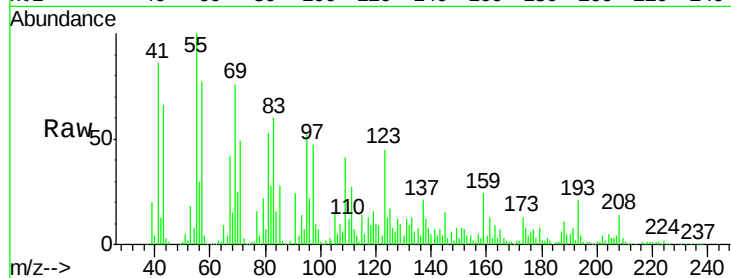
Tot Ion:138 Resp: 37514

Ion Ratio Lower Upper

138 100

108 50.1 17.5 26.3#

92 34.5 105.8 158.8#



#53

2,4-Dinitrophenol

Concen: 10.237 ng

RT: 14.88 min Scan# 1973

Delta R.T. 0.02 min

Lab File: BG031590.D

Acq: 15 Dec 2017 11:30

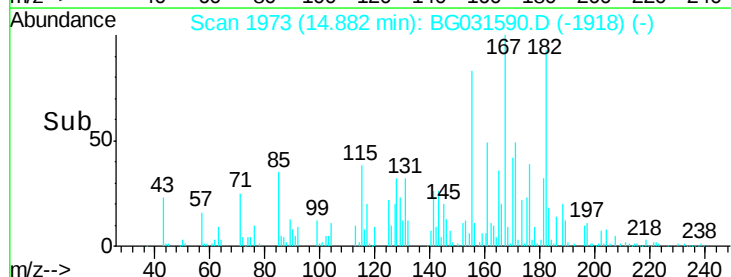
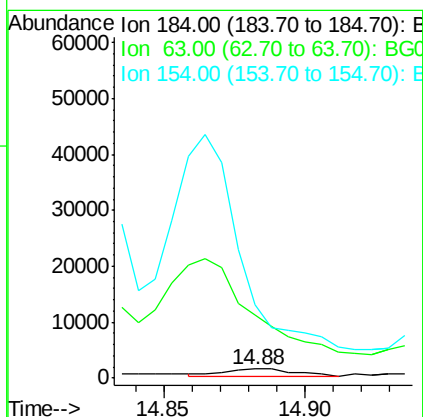
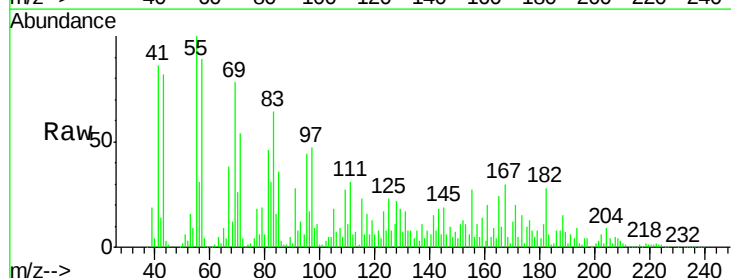
Tgt Ion:184 Resp: 2182

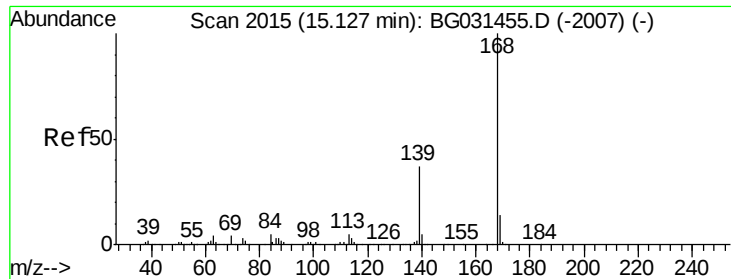
Ion Ratio Lower Upper

184 100

63 681.6 59.8 89.8#

154 794.9 101.8 152.8#

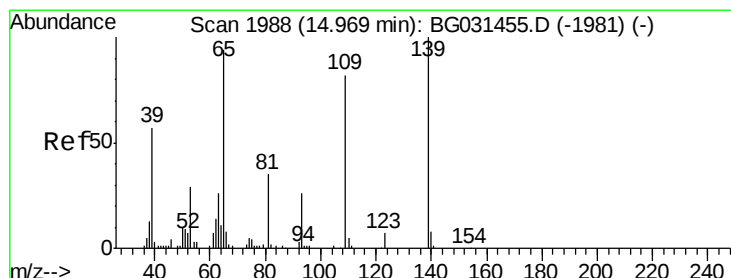
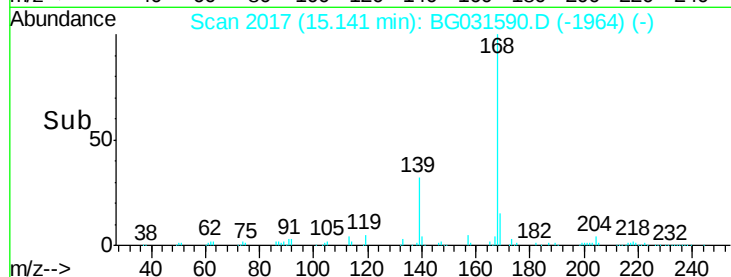
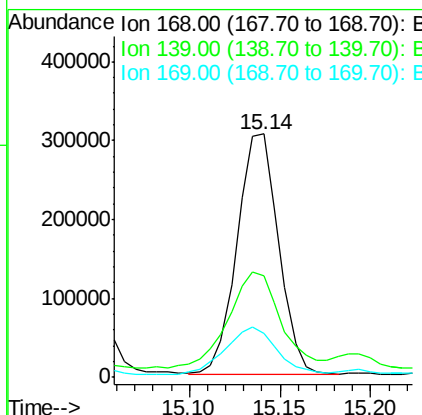
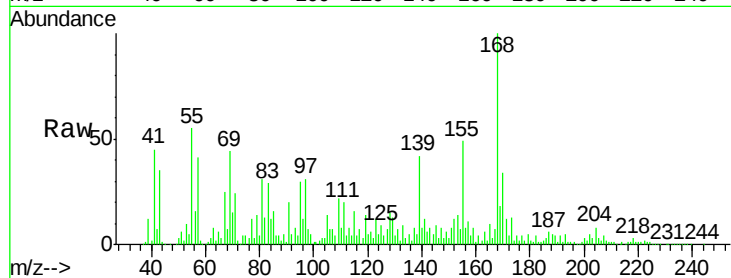




#54  
Dibenzenofuran  
Concen: 22.371 ng  
RT: 15.14 min Scan# 2017  
Delta R.T. 0.01 min  
Lab File: BG031590.D  
Acq: 15 Dec 2017 11:30

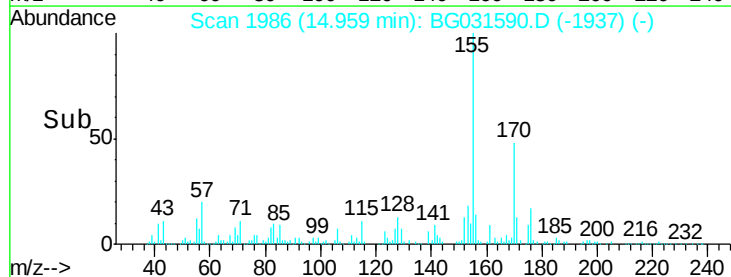
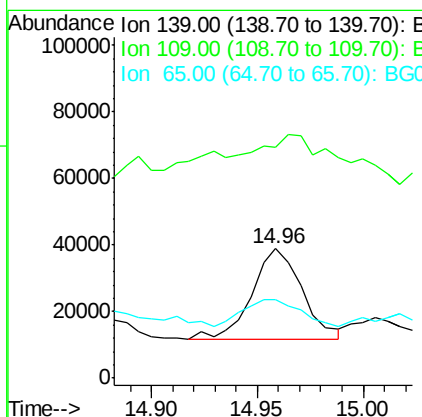
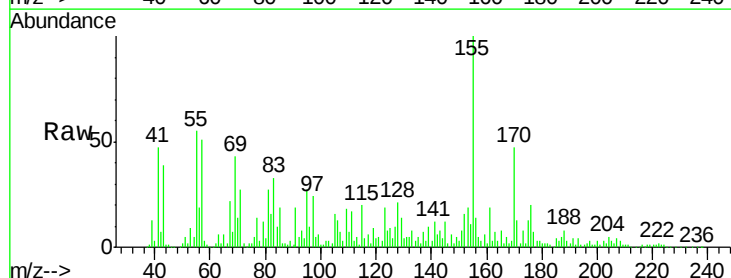
Instrument :  
BNA\_G  
ClientSampleId :

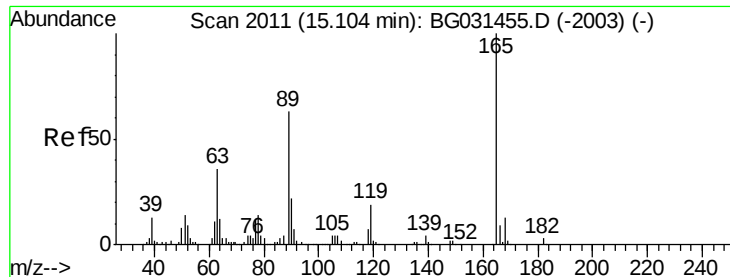
Tot Ion:168 Resp: 482596  
Ion Ratio Lower Upper  
168 100  
139 41.9 28.6 43.0  
169 18.1 11.2 16.8#



#55  
4-Nitrophenol  
Concen: 19.671 ng  
RT: 14.96 min Scan# 1986  
Delta R.T. -0.01 min  
Lab File: BG031590.D  
Acq: 15 Dec 2017 11:30

Tgt Ion:139 Resp: 45465  
Ion Ratio Lower Upper  
139 100  
109 178.3 62.2 102.2#  
65 61.0 97.2 137.2#

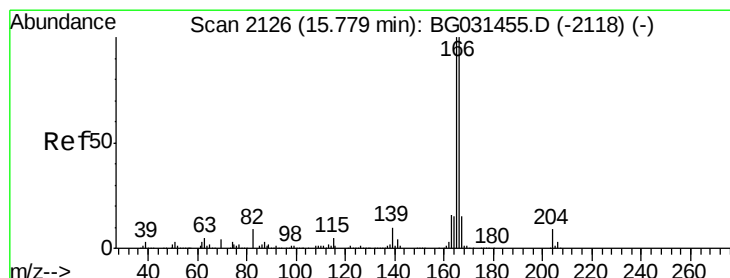
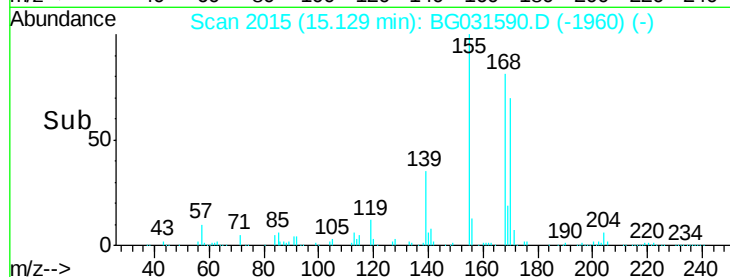
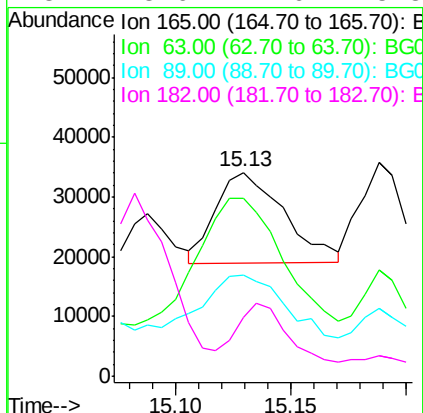
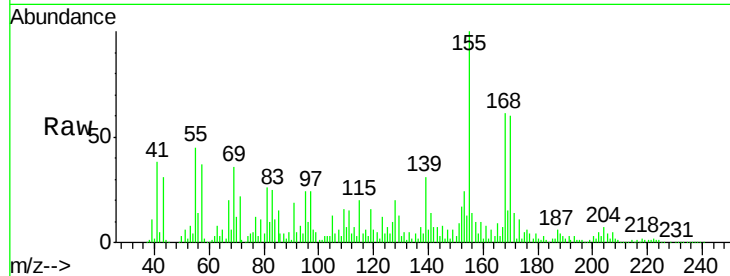




#56  
2,4-Dinitrotoluene  
Concen: 5.563 ng  
RT: 15.13 min Scan# 2015  
Delta R.T. 0.03 min  
Lab File: BG031590.D  
Acq: 15 Dec 2017 11:30

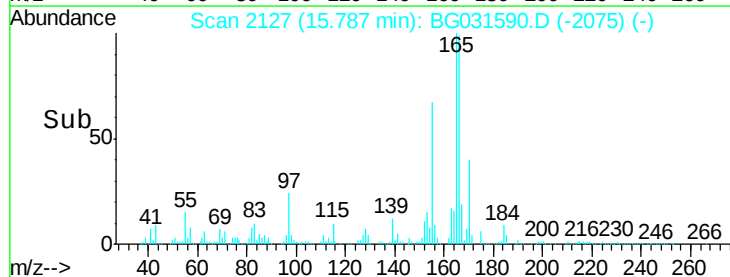
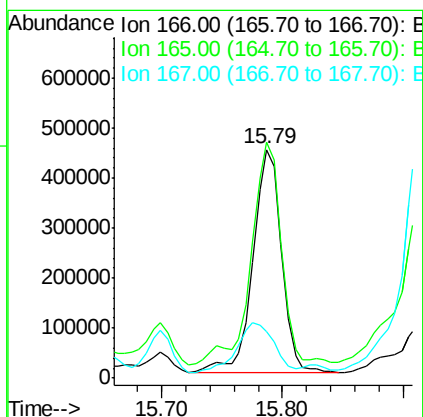
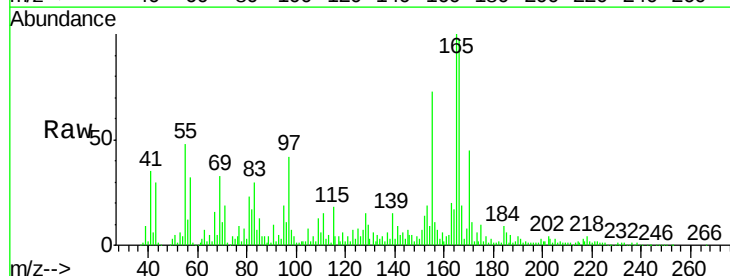
Instrument :  
BNA\_G  
ClientSampleId :

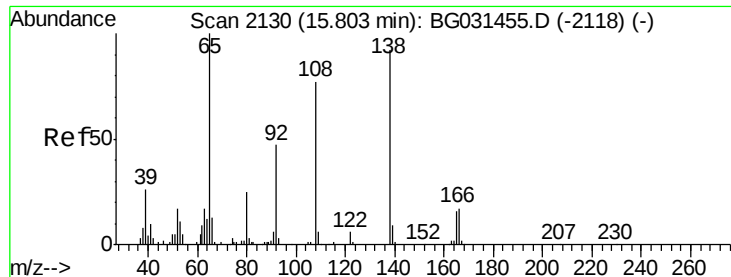
Tot Ion:165 Resp: 30905  
Ion Ratio Lower Upper  
165 100  
63 87.3 42.0 63.0#  
89 49.8 66.9 100.3#  
182 28.6 2.6 3.8#



#57  
Fluorene  
Concen: 42.837 ng  
RT: 15.79 min Scan# 2127  
Delta R.T. 0.01 min  
Lab File: BG031590.D  
Acq: 15 Dec 2017 11:30

Tgt Ion:166 Resp: 740447  
Ion Ratio Lower Upper  
166 100  
165 103.4 80.6 121.0  
167 20.0 10.4 15.6#

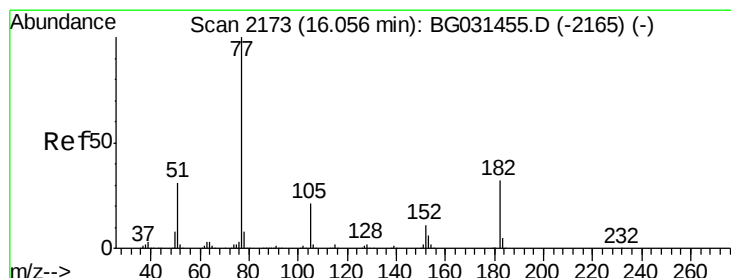
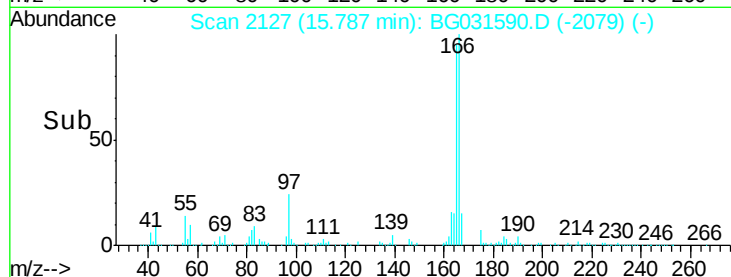
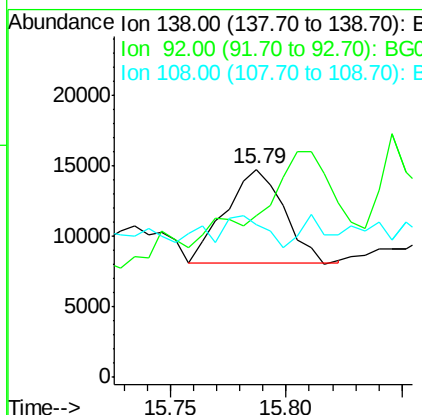
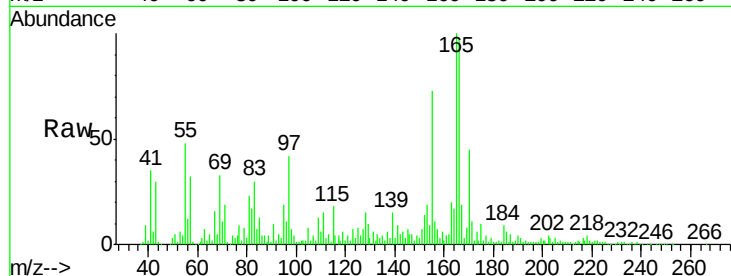




#61  
4-Nitroaniline  
Concen: 2.802 ng  
RT: 15.79 min Scan# 2127  
Delta R.T. -0.02 min  
Lab File: BG031590.D  
Acq: 15 Dec 2017 11:30

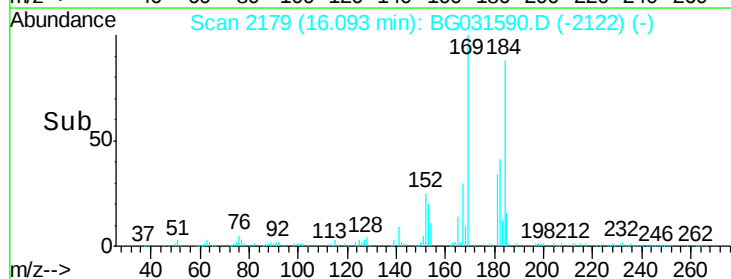
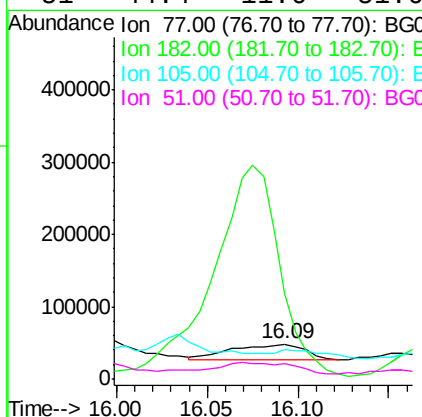
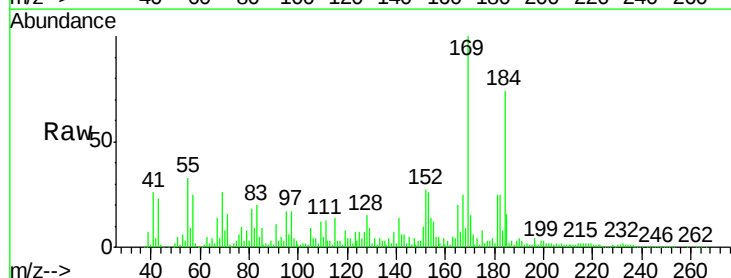
Instrument :  
BNA\_G  
ClientSampleId :

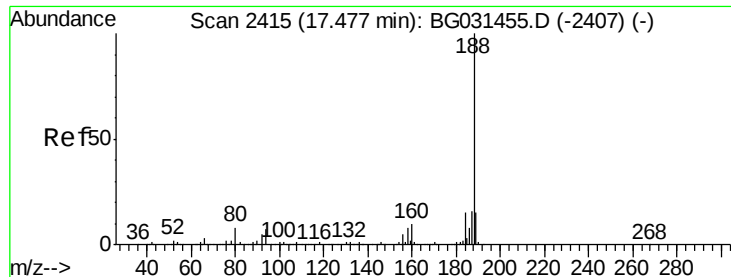
Tot Ion:138 Resp: 11724  
Ion Ratio Lower Upper  
138 100  
92 77.8 40.1 80.1  
108 73.2 65.4 105.4



#62  
Azobenzene  
Concen: 3.795 ng  
RT: 16.09 min Scan# 2179  
Delta R.T. 0.04 min  
Lab File: BG031590.D  
Acq: 15 Dec 2017 11:30

Tgt Ion: 77 Resp: 57661  
Ion Ratio Lower Upper  
77 100  
182 244.1 7.4 47.4#  
105 84.4 0.3 40.3#  
51 44.4 11.6 51.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.49 min Scan# 2416

Delta R.T. 0.01 min

Lab File: BG031590.D

Acq: 15 Dec 2017 11:30

Instrument :

BNA\_G

ClientSampleId :

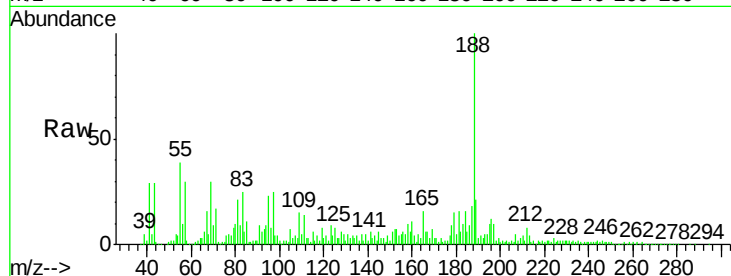
Tot Ion:188 Resp: 492189

Ion Ratio Lower Upper

188 100

94 9.1 6.9 10.3

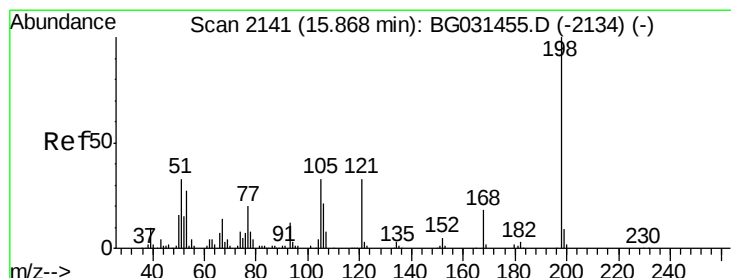
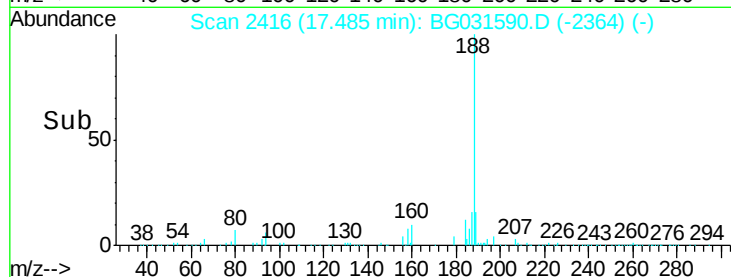
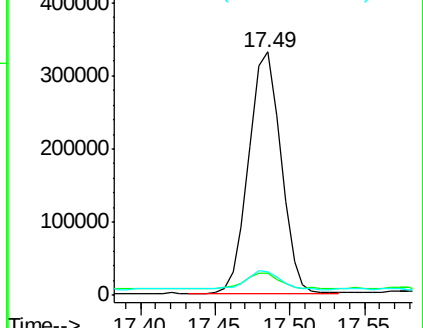
80 9.9 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 8.104 ng

RT: 15.90 min Scan# 2147

Delta R.T. 0.04 min

Lab File: BG031590.D

Acq: 15 Dec 2017 11:30

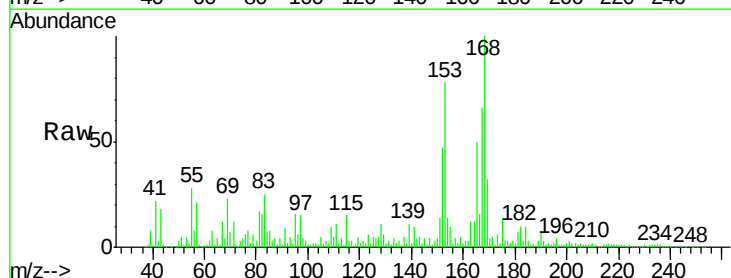
Tgt Ion:198 Resp: 10603

Ion Ratio Lower Upper

198 100

51 398.7 30.6 70.6#

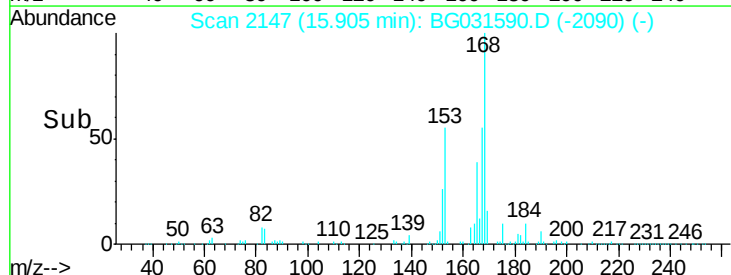
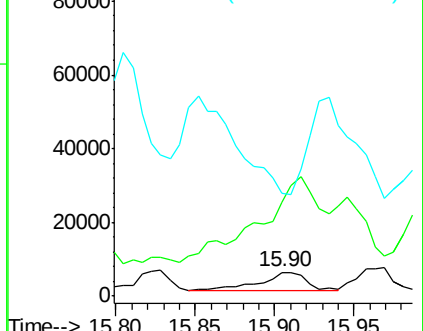
105 436.6 23.8 63.8#

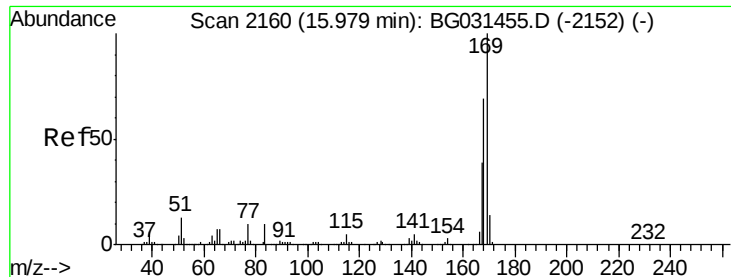


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

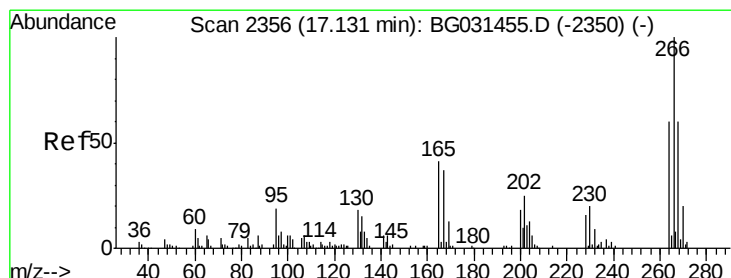
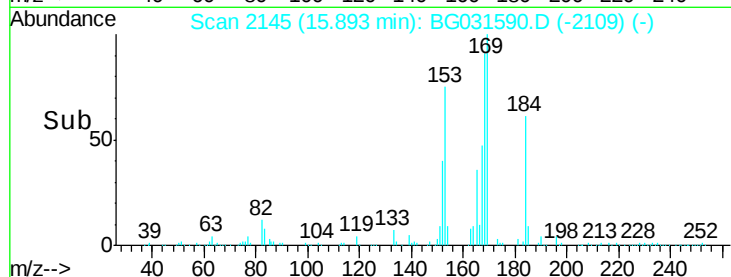
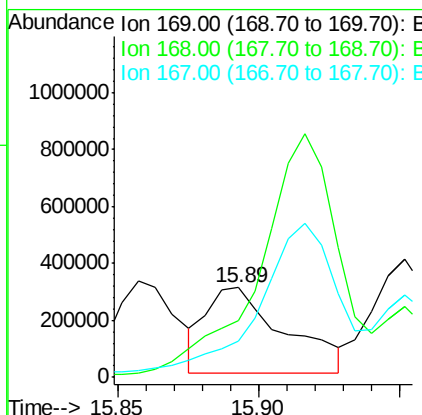
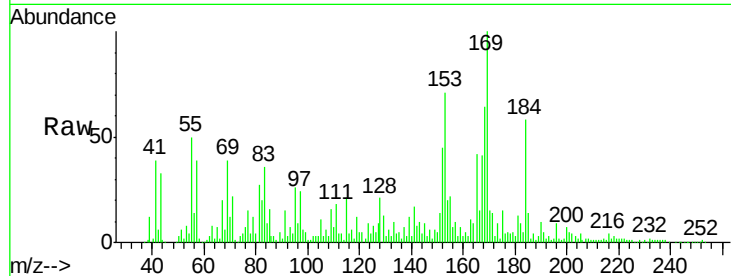




#65  
n-Nitrosodiphenylamine  
Concen: 40.312 ng  
RT: 15.89 min Scan# 2145  
Delta R.T. -0.09 min  
Lab File: BG031590.D  
Acq: 15 Dec 2017 11:30

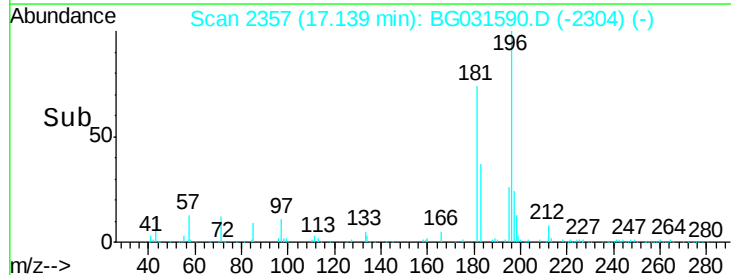
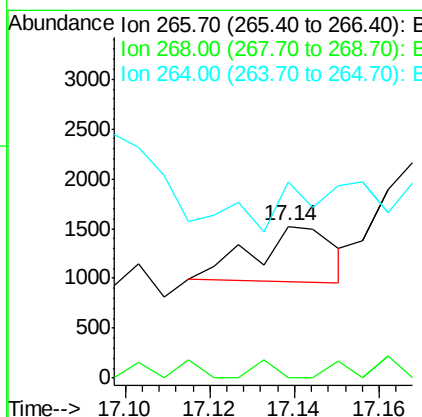
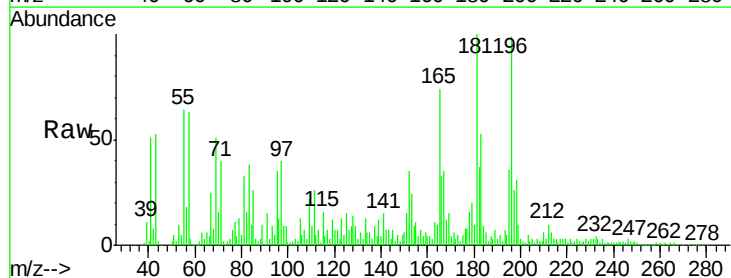
Instrument :  
BNA\_G  
ClientSampleId :

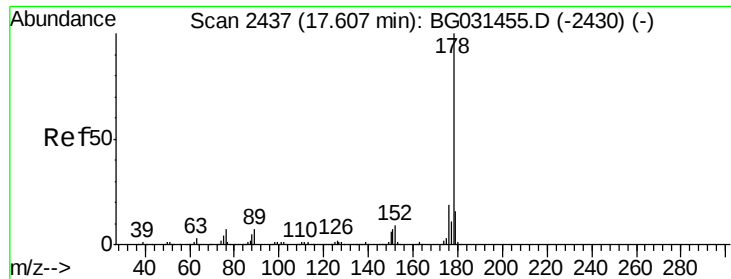
Tot Ion:169 Resp: 580753  
Ion Ratio Lower Upper  
169 100  
168 63.9 55.7 83.5  
167 40.8 30.1 45.1



#69  
Pentachlorophenol  
Concen: 5.899 ng  
RT: 17.14 min Scan# 2357  
Delta R.T. 0.01 min  
Lab File: BG031590.D  
Acq: 15 Dec 2017 11:30

Tgt Ion:266 Resp: 727  
Ion Ratio Lower Upper  
266 100  
268 0.0 51.1 76.7#  
264 129.1 49.6 74.4#





#71

Anthracene

Concen: 7.016 ng

RT: 17.62 min Scan# 2439

Delta R.T. 0.01 min

Lab File: BG031590.D

Acq: 15 Dec 2017 11:30

Instrument :

BNA\_G

ClientSampleId :

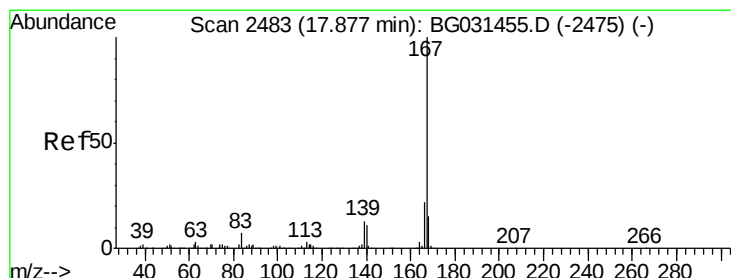
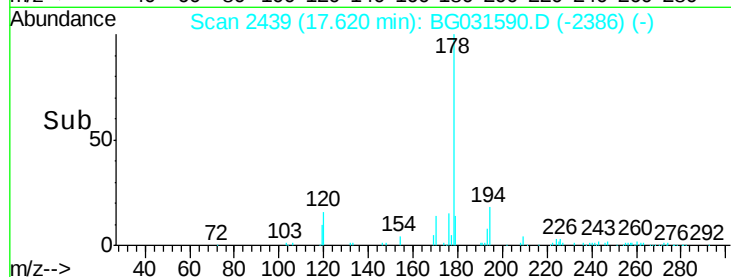
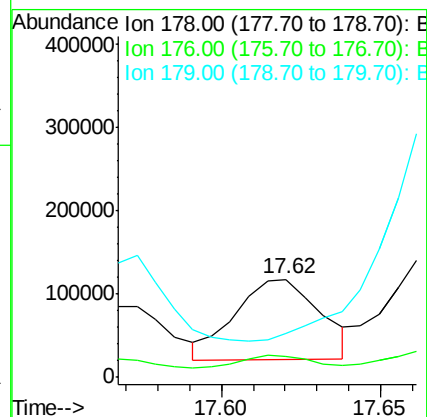
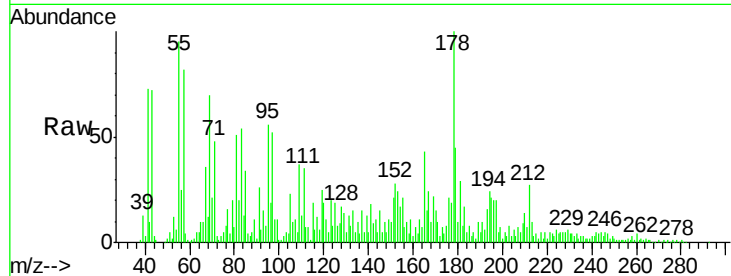
Tot Ion:178 Resp: 178366

Ion Ratio Lower Upper

178 100

176 20.8 16.0 24.0

179 44.8 12.5 18.7#



#72

Carbazole

Concen: 3.357 ng

RT: 17.88 min Scan# 2484

Delta R.T. 0.01 min

Lab File: BG031590.D

Acq: 15 Dec 2017 11:30

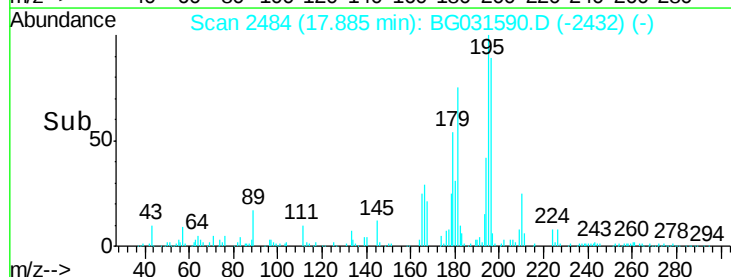
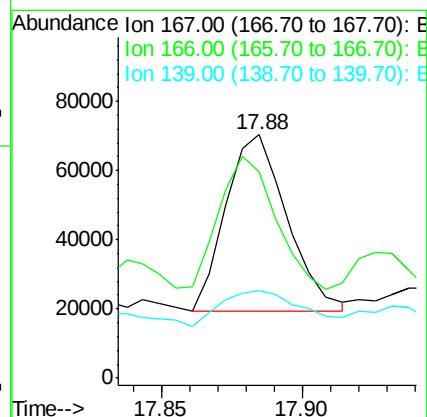
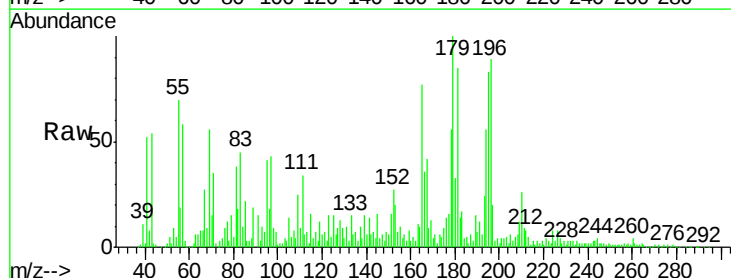
Tgt Ion:167 Resp: 77238

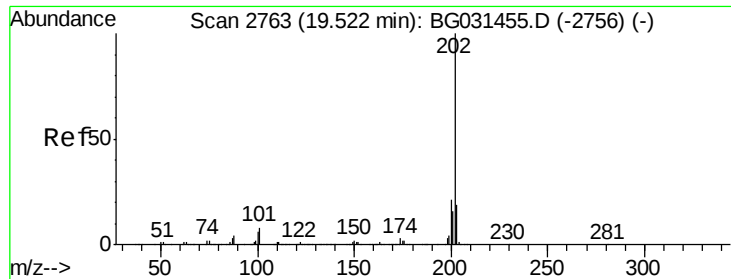
Ion Ratio Lower Upper

167 100

166 84.6 18.2 27.4#

139 35.8 9.4 14.2#





#74

Fluoranthene

Concen: 2.193 ng

RT: 19.52 min Scan# 2763

Delta R.T. 0.00 min

Lab File: BG031590.D

Acq: 15 Dec 2017 11:30

Instrument :

BNA\_G

ClientSampleId :

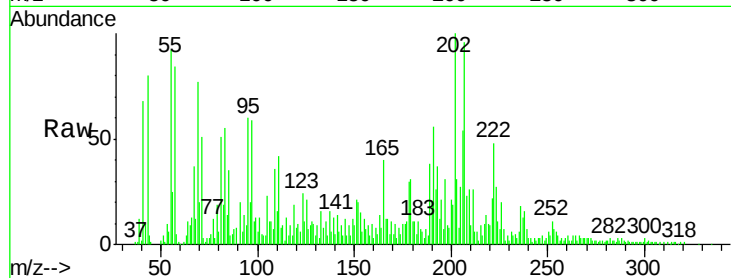
Tot Ion:202 Resp: 70548

Ion Ratio Lower Upper

202 100

101 13.0 0.0 28.9

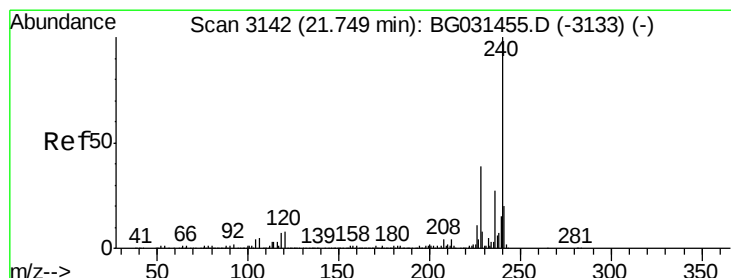
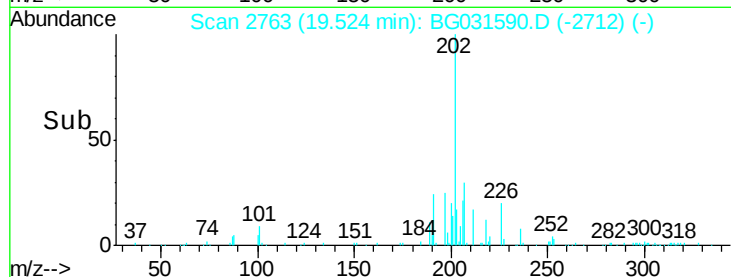
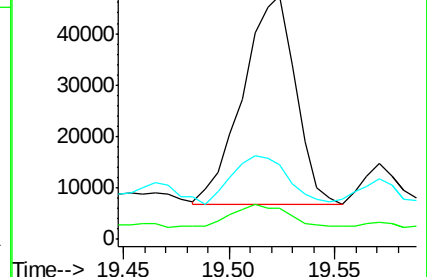
203 30.5 0.0 37.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.74 min Scan# 3140

Delta R.T. -0.01 min

Lab File: BG031590.D

Acq: 15 Dec 2017 11:30

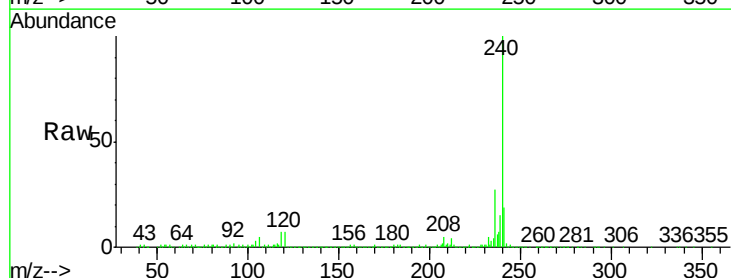
Tgt Ion:240 Resp: 588540

Ion Ratio Lower Upper

240 100

120 7.3 6.8 10.2

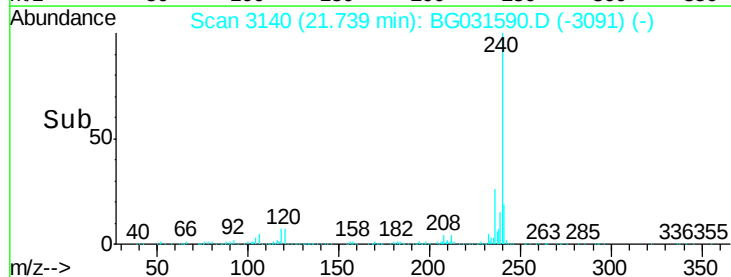
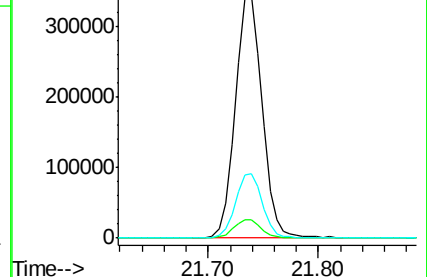
236 26.5 20.9 31.3

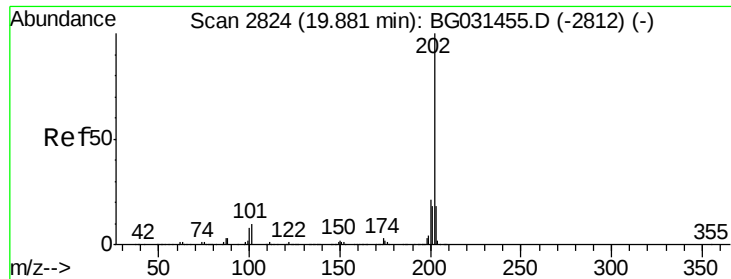


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

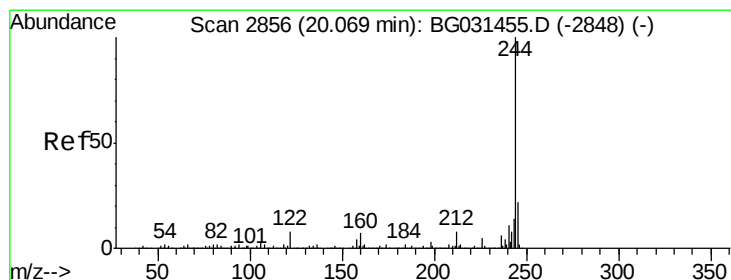
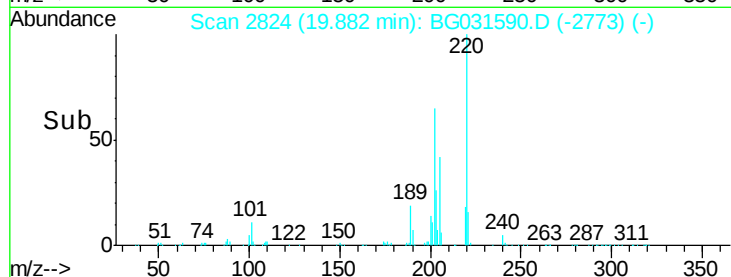
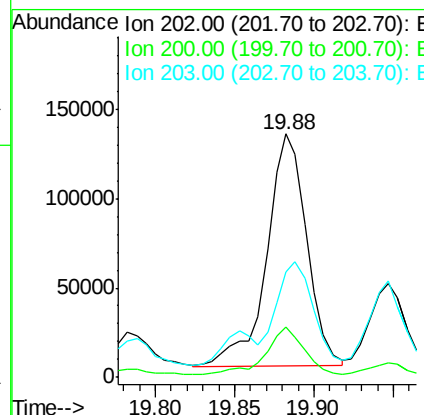
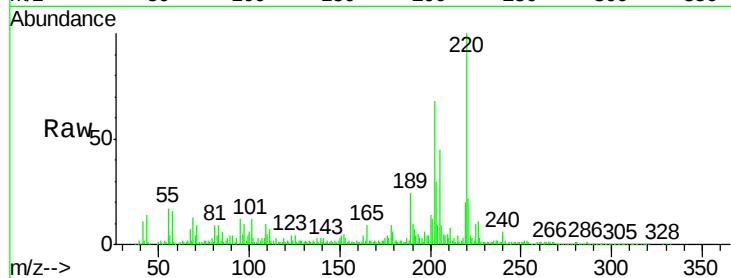




#77  
Pvrene  
Concen: 6.222 ng  
RT: 19.88 min Scan# 2824  
Delta R.T. 0.00 min  
Lab File: BG031590.D  
Acq: 15 Dec 2017 11:30

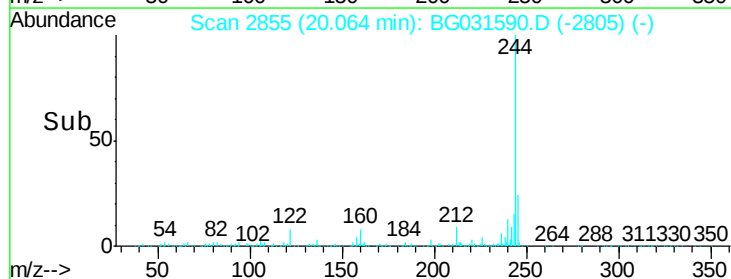
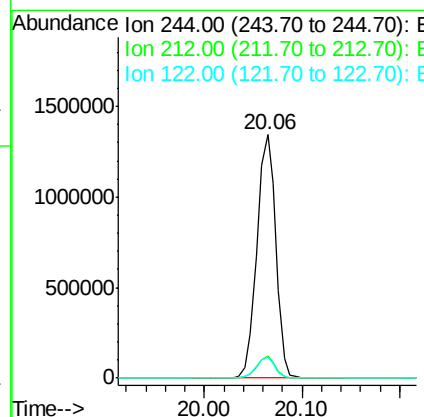
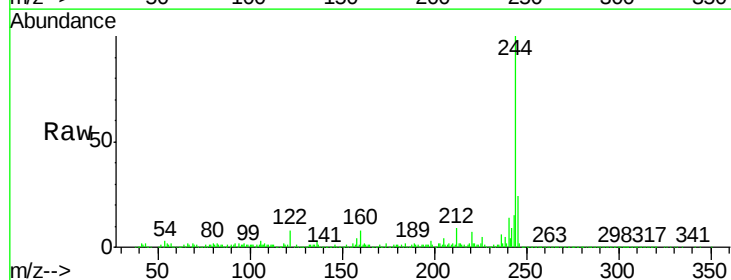
Instrument :  
BNA\_G  
ClientSampleId :

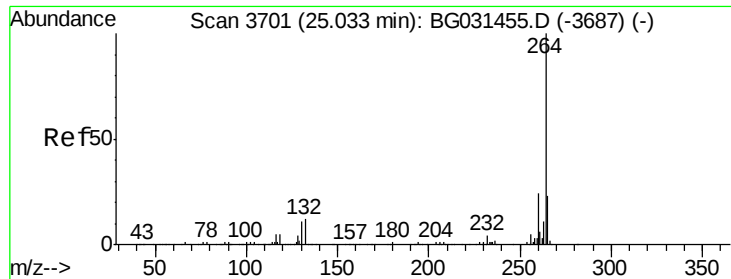
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.6  | 16.9  | 25.3  |
| 203     | 43.4  | 13.9  | 20.9  |



#78  
Terphenyl-d14  
Concen: 71.109 ng  
RT: 20.06 min Scan# 2855  
Delta R.T. -0.00 min  
Lab File: BG031590.D  
Acq: 15 Dec 2017 11:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.9   | 5.8   | 8.8   |
| 122     | 8.4   | 7.0   | 10.4  |

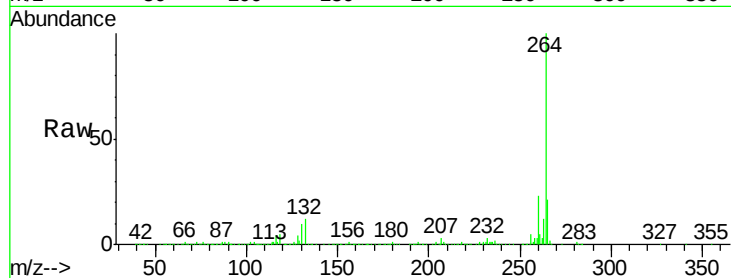




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.01 min Scan# 3697  
Delta R.T. -0.02 min  
Lab File: BG031590.D  
Acq: 15 Dec 2017 11:30

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 17.4  | 26.0  |
| 265     | 20.7  | 17.7  | 26.5  |



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

