

Data Path : Z:\HPCHEM1\BNA G\DATA\BG073115\  
 Data File : BG018203.D  
 Acq On : 1 Aug 2015 4:38  
 Operator : TP/UM  
 Sample : G3065-12  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Aug 01 07:11:47 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Aug 01 07:09:30 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.48  | 152  | 52593    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.26 | 136  | 218219   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.16 | 164  | 111555   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.92 | 188  | 252905   | 20.00 | ng/ul | 0.02     |
| 78) Chrysene-d12          | 21.13 | 240  | 3052     | 20.00 | ng/ul | 0.02     |
| 86) Perylene-d12          | 23.27 | 264  | 688      | 20.00 | ng/ul | -0.02    |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 2.98  | 96  | 991    | 1.42  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.67  | 99  | 38774  | 8.20  | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.83  | 67  | 23391  | 9.68  | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.01  | 132 | 34117  | 9.55  | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.20  | 113 | 19737  | 5.12  | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.63  | 128 | 17587  | 10.23 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.35  | 143 | 21389  | 10.84 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 9.89  | 165 | 31845  | 9.13  | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.41 | 131 | 1274   | 0.29  | ng/ul | 0.01  |
| 44) Dimethylphthalate-d6       | 13.57 | 166 | 97805  | 11.35 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 13.85 | 160 | 117877 | 11.79 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 14.39 | 143 | 10294  | 6.45  | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.16 | 176 | 84811  | 10.87 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.30 | 200 | 4526   | 2.56  | ng/ul | 0.00  |
| 71) Anthracene-d10             | 17.02 | 188 | 129639 | 11.79 | ng/ul | 0.02  |
| 79) Pyrene-d10                 | 19.32 | 212 | 5483   | 37.13 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 23.14 | 264 | 518    | 14.89 | ng/ul | -0.01 |

## Target Compounds

|                                |       |     |        |       |        | Ovalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 4) Benzaldehyde                | 6.63  | 77  | 2604   | 1.02  | ng/ul# | 18     |
| 14) Acetophenone               | 8.29  | 105 | 12779  | 2.13  | ng/ul  | 94     |
| 17) Hexachloroethane           | 8.58  | 117 | 2164   | 1.35  | ng/ul# | 5      |
| 24) 2,4-Dimethylphenol         | 9.46  | 107 | 4351   | 1.00  | ng/ul# | 38     |
| 28) Naphthalene                | 10.31 | 128 | 50463  | 4.80  | ng/ul  | 96     |
| 34) 2-Methylnaphthalene        | 11.94 | 142 | 23576  | 2.83  | ng/ul  | 94     |
| 35) 1-Methylnaphthalene        | 12.17 | 142 | 18277  | 2.29  | ng/ul# | 90     |
| 45) Dimethylphthalate          | 13.62 | 163 | 199631 | 23.28 | ng/ul  | 98     |
| 46) 2,6-Dinitrotoluene         | 13.76 | 165 | 7123   | 3.62  | ng/ul# | 33     |
| 48) Acenaphthylene             | 13.88 | 152 | 22985  | 2.32  | ng/ul# | 40     |
| 49) 3-Nitroaniline             | 14.06 | 138 | 8654   | 4.99  | ng/ul# | 43     |
| 50) Acenaphthene               | 14.22 | 153 | 38213  | 5.91  | ng/ul  | 99     |
| 53) 4-Nitrophenol              | 14.41 | 109 | 3253   | 2.02  | ng/ul# | 5      |
| 54) Dibenzofuran               | 14.56 | 168 | 31442  | 3.23  | ng/ul# | 66     |
| 57) Diethylphthalate           | 15.00 | 149 | 17285  | 1.95  | ng/ul# | 67     |
| 59) Fluorene                   | 15.22 | 166 | 66703  | 7.94  | ng/ul# | 93     |
| 60) 4-Chlorophenyl-phenylether | 15.23 | 204 | 11608  | 2.56  | ng/ul# | 44     |
| 64) 4,6-Dinitro-2-methylphenol | 15.34 | 198 | 2172   | 1.16  | ng/ul# | 1      |
| 65) N-Nitrosodiphenylamine     | 15.44 | 169 | 39972  | 6.10  | ng/ul# | 47     |
| 70) Phenanthrene               | 16.97 | 178 | 783616 | 60.99 | ng/ul# | 94     |
| 72) Anthracene                 | 17.06 | 178 | 159947 | 12.51 | ng/ul# | 78     |
| 75) Carbazole                  | 17.34 | 167 | 53722  | 5.06  | ng/ul# | 30     |
| 76) Di-n-butylphthalate        | 17.92 | 149 | 33255  | 2.35  | ng/ul# | 37     |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG073115\  
 Data File : BG018203.D  
 Acq On : 1 Aug 2015 4:38  
 Operator : TP/UM  
 Sample : G3065-12  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

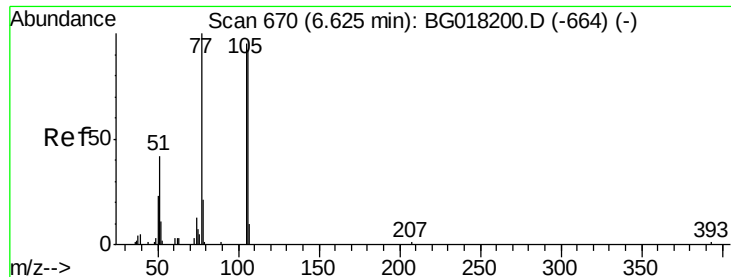
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Aug 01 07:11:47 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Aug 01 07:09:30 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| -----                          |       |      |          |          |        |          |
| 77) Fluoranthene               | 19.03 | 202  | 1493312  | 105.83   | ng/ul  | 98       |
| 80) Pyrene                     | 19.40 | 202  | 1610760  | 8701.02  | ng/ul  | 98       |
| 81) Butylbenzylphthalate       | 20.30 | 149  | 21476    | 285.61   | ng/ul# | 18       |
| 82) 3,3'-Dichlorobenzidine     | 21.05 | 252  | 3685     | 57.25    | ng/ul# | 39       |
| 83) Benzo(a)anthracene         | 21.08 | 228  | 7150     | 43.50    | ng/ul# | 1        |
| 84) Bis(2-ethylhexyl)phthalate | 21.08 | 149  | 573755   | 5655.40  | ng/ul# | 82       |
| 85) Chrysene                   | 21.15 | 228  | 720889   | 4788.28  | ng/ul# | 88       |
| 87) Di-n-octyl phthalate       | 21.86 | 149  | 75892    | 2088.72  | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 22.61 | 252  | 5649     | 136.68   | ng/ul# | 1        |
| 89) Benzo(k)fluoranthene       | 22.64 | 252  | 2136     | 56.23    | ng/ul# | 1        |
| 91) Benzo(a)pyrene             | 23.17 | 252  | 544304   | 14720.16 | ng/ul# | 87       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.46 | 276  | 1021     | 23.87    | ng/ul# | 1        |
| 93) Dibenzo(a,h)anthracene     | 25.47 | 278  | 16415    | 448.11   | ng/ul# | 29       |
| 94) Benzo(g,h,i)perylene       | 26.13 | 276  | 1754     | 50.21    | ng/ul# | 1        |
| -----                          |       |      |          |          |        |          |

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





#4

Benzaldehyde

Concen: 1.02 ng/ul

RT: 6.63 min Scan# 671

Delta R.T. 0.01 min

Lab File: BG018203.D

Acq: 1 Aug 2015 4:38

Instrument :

BNA\_G

ClientSampleId :

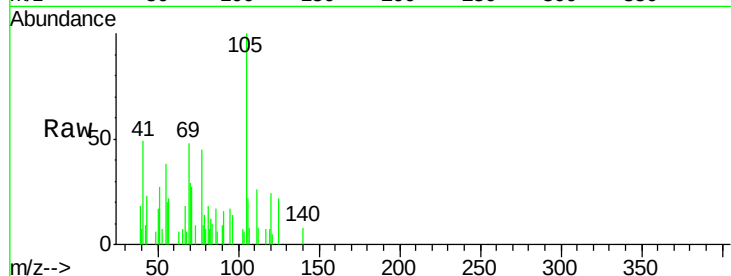
Tot Ion: 77 Resp: 2604

Ion Ratio Lower Upper

77 100

105 223.3 89.8 134.6#

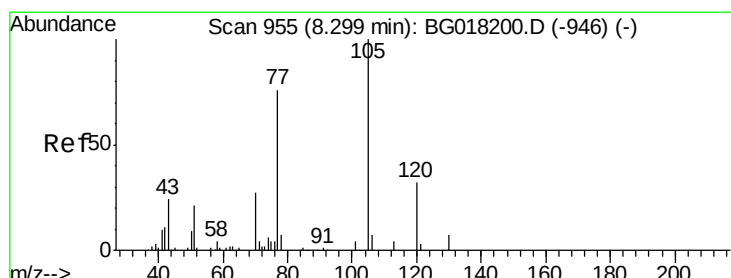
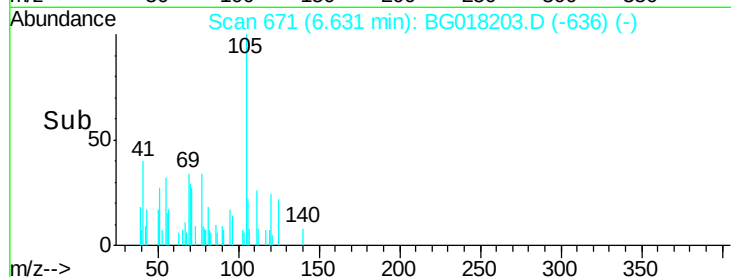
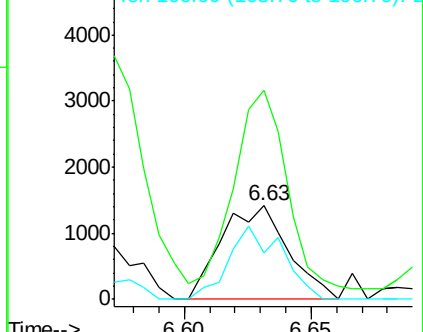
106 49.7 94.2 141.4#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#14

Acetophenone

Concen: 2.13 ng/ul

RT: 8.29 min Scan# 954

Delta R.T. -0.01 min

Lab File: BG018203.D

Acq: 1 Aug 2015 4:38

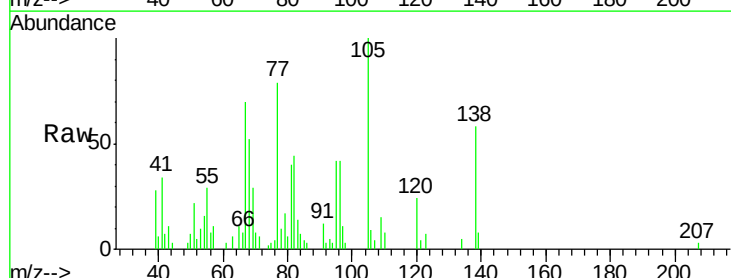
Tgt Ion: 105 Resp: 12779

Ion Ratio Lower Upper

105 100

77 79.0 58.4 87.6

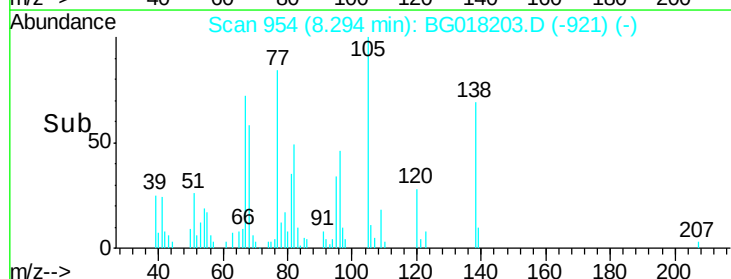
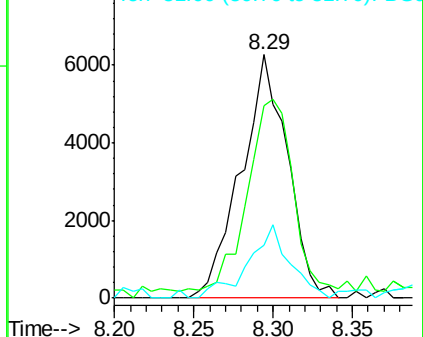
51 21.9 16.5 24.7

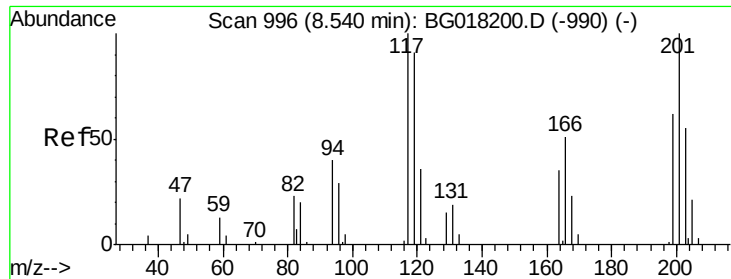


Abundance Ion 105.00 (104.70 to 105.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

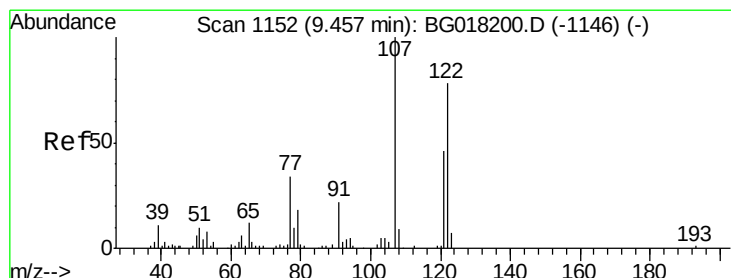
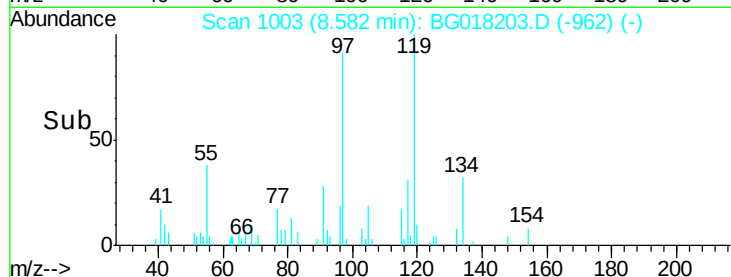
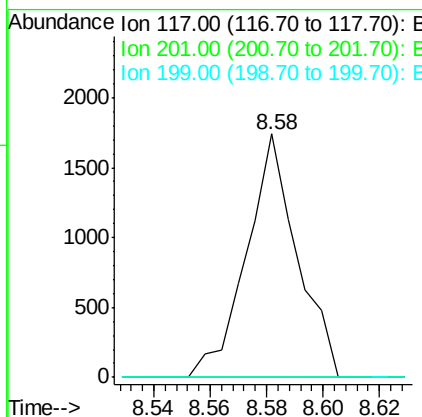
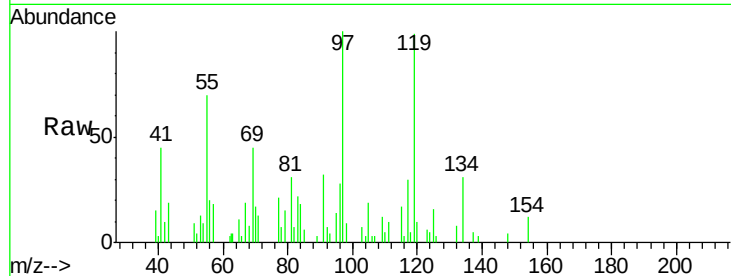




#17  
Hexachloroethane  
Concen: 1.35 ng/ul  
RT: 8.58 min Scan# 1003  
Delta R.T. 0.04 min  
Lab File: BG018203.D  
Acq: 1 Aug 2015 4:38

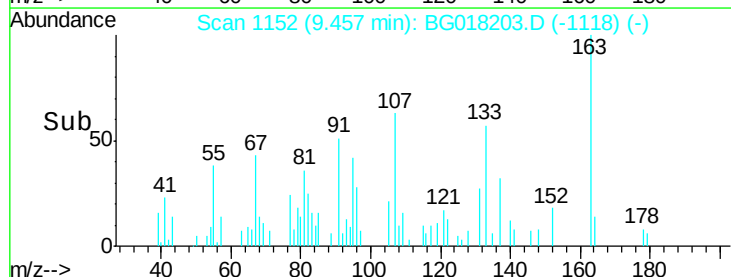
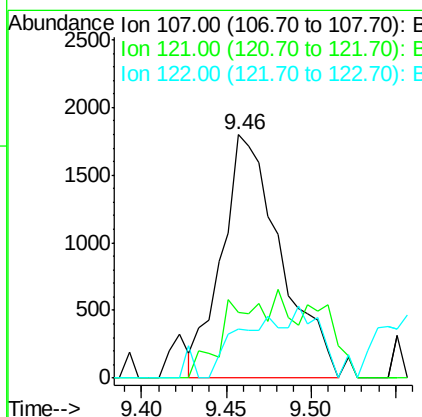
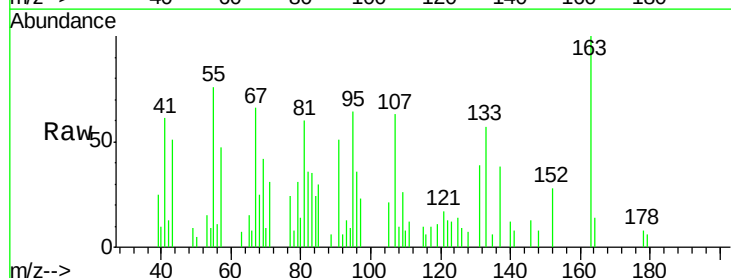
Instrument :  
BNA\_G  
ClientSampleId :

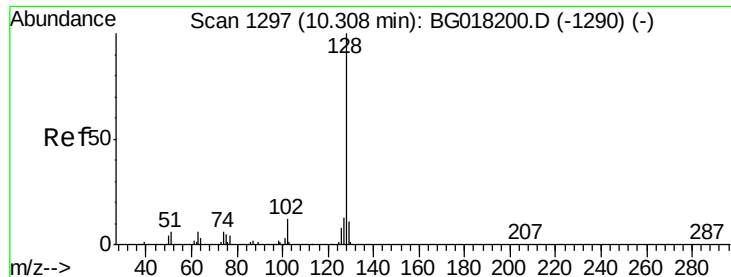
Tot Ion:117 Resp: 2164  
Ion Ratio Lower Upper  
117 100  
201 0.0 85.0 127.4#  
199 0.0 52.2 78.4#



#24  
2,4-Dimethylphenol  
Concen: 1.00 ng/ul  
RT: 9.46 min Scan# 1152  
Delta R.T. 0.00 min  
Lab File: BG018203.D  
Acq: 1 Aug 2015 4:38

Tgt Ion:107 Resp: 4351  
Ion Ratio Lower Upper  
107 100  
121 27.1 41.4 62.2#  
122 19.9 75.3 112.9#





#28

Naphthalene

Concen: 4.80 ng/ul

RT: 10.31 min Scan# 1297

Delta R.T. 0.00 min

Lab File: BG018203.D

Acq: 1 Aug 2015 4:38

Instrument :

BNA\_G

ClientSampleId :

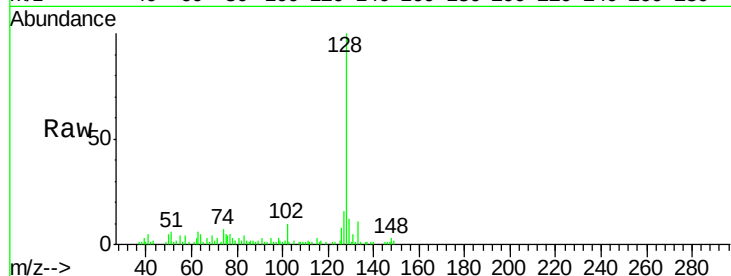
Tot Ion:128 Resp: 50463

Ion Ratio Lower Upper

128 100

129 12.2 9.1 13.7

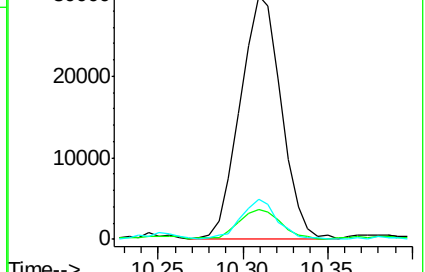
127 16.4 11.2 16.8



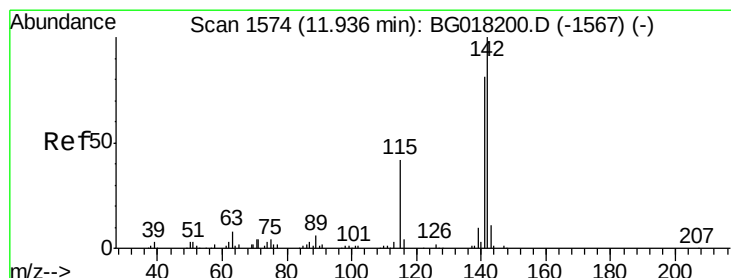
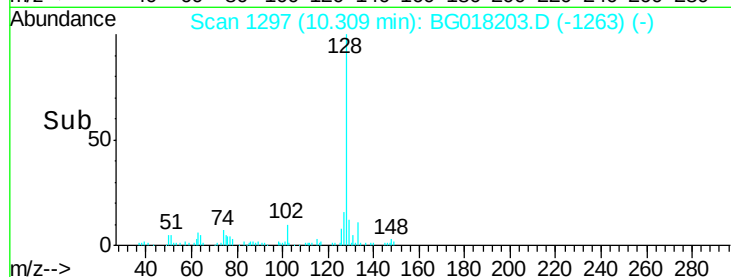
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#34

2-Methylnaphthalene

Concen: 2.83 ng/ul

RT: 11.94 min Scan# 1575

Delta R.T. 0.01 min

Lab File: BG018203.D

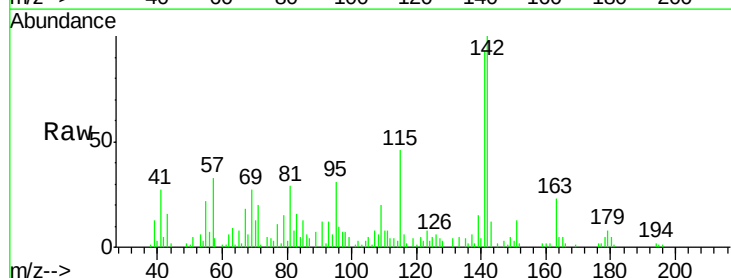
Acq: 1 Aug 2015 4:38

Tgt Ion:142 Resp: 23576

Ion Ratio Lower Upper

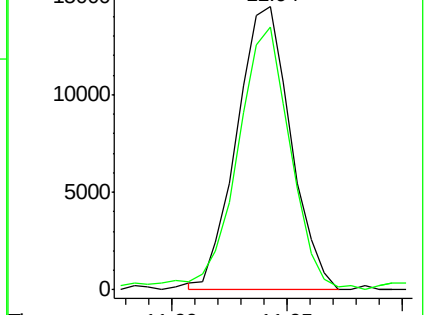
142 100

141 93.1 70.3 105.5

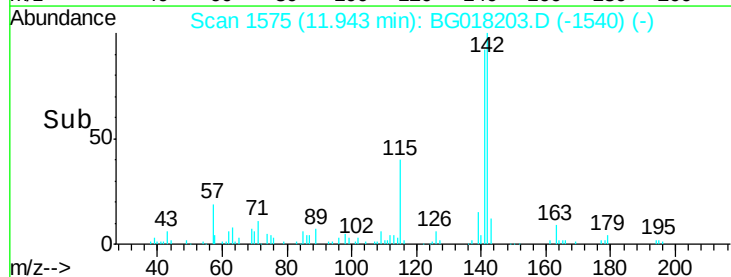


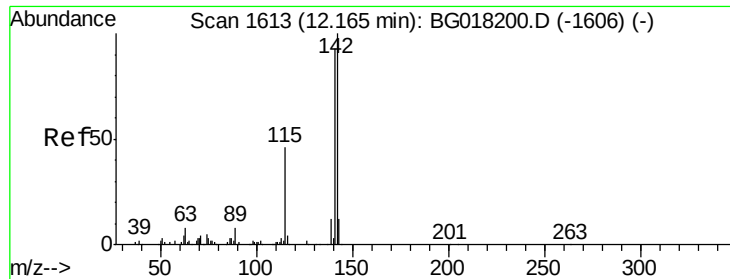
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->

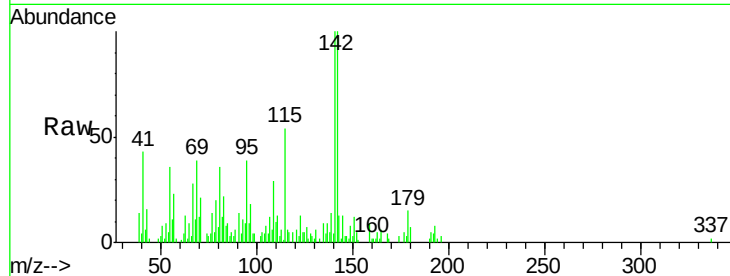




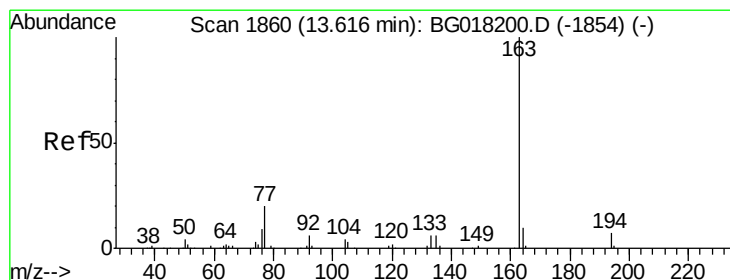
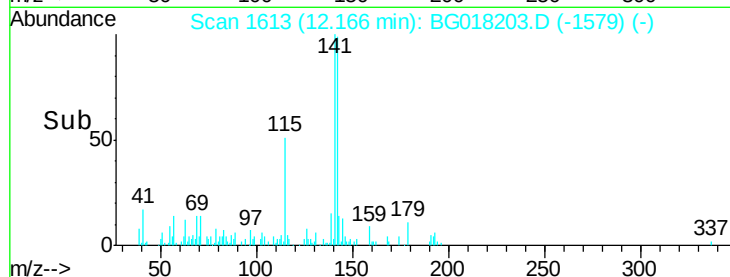
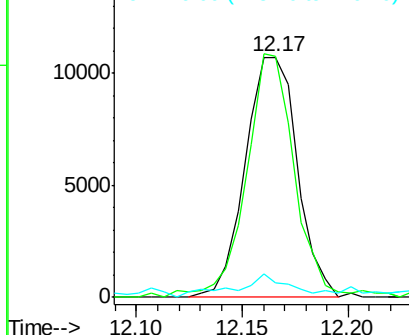
#35  
 1-Methylnaphthalene  
 Concen: 2.29 ng/ul  
 RT: 12.17 min Scan# 1613  
 Delta R.T. 0.00 min  
 Lab File: BG018203.D  
 Acq: 1 Aug 2015 4:38

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:142 Resp: 18277  
 Ion Ratio Lower Upper  
 142 100  
 141 100.4 72.5 108.7  
 116 6.1 2.6 4.0#

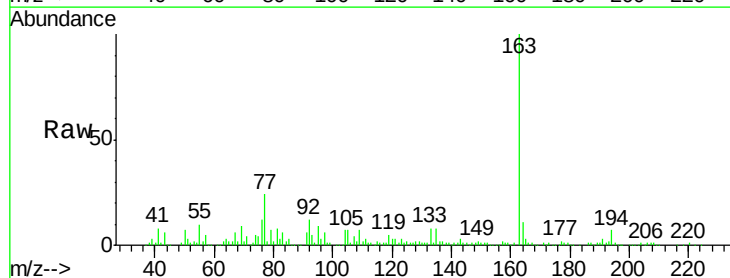


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 116.00 (115.70 to 116.70): E

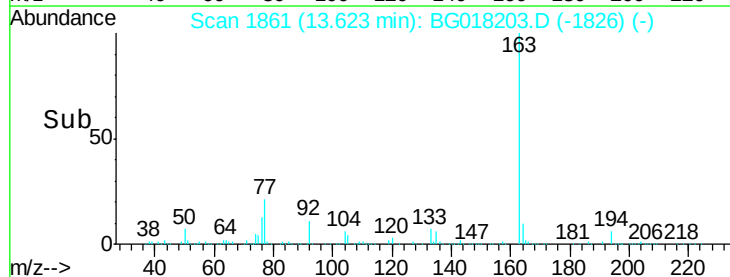
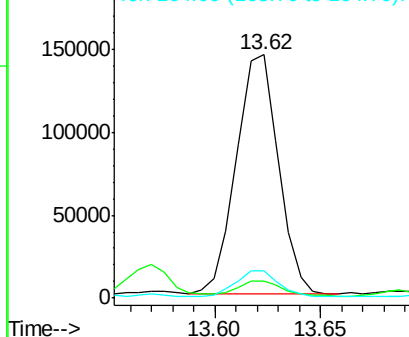


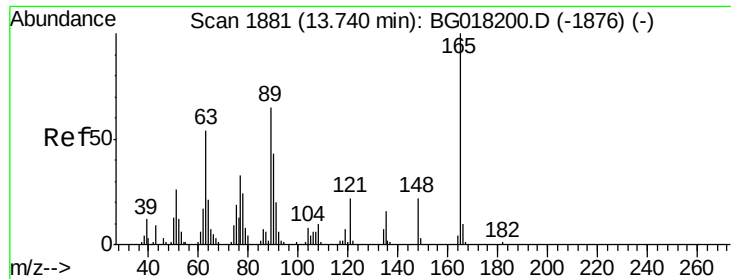
#45  
 Dimethylphthalate  
 Concen: 23.28 ng/ul  
 RT: 13.62 min Scan# 1861  
 Delta R.T. 0.01 min  
 Lab File: BG018203.D  
 Acq: 1 Aug 2015 4:38

Tgt Ion:163 Resp: 199631  
 Ion Ratio Lower Upper  
 163 100  
 194 7.0 5.2 7.8  
 164 11.2 8.4 12.6



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





#46

2,6-Dinitrotoluene

Concen: 3.62 ng/ul

RT: 13.76 min Scan# 1885

Delta R.T. 0.02 min

Lab File: BG018203.D

Acq: 1 Aug 2015 4:38

Instrument :

BNA\_G

ClientSampled :

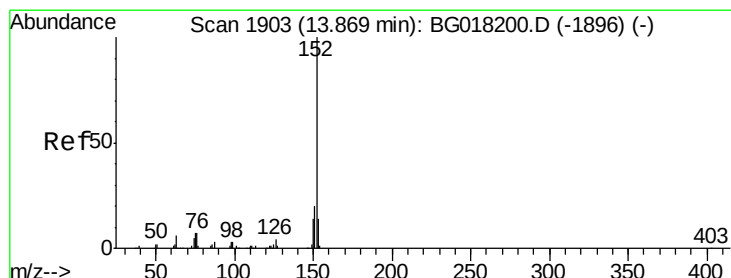
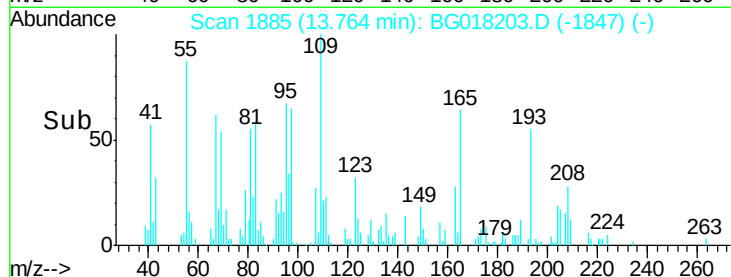
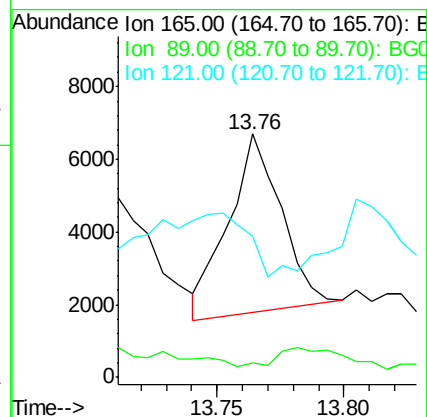
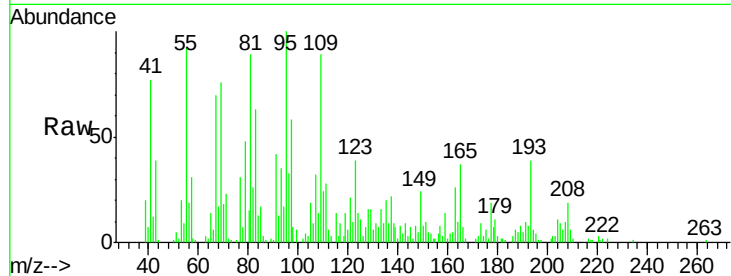
Tot Ion:165 Resp: 7123

Ion Ratio Lower Upper

165 100

89 6.1 35.4 53.2#

121 58.2 15.0 22.6#



#48

Acenaphthylene

Concen: 2.32 ng/ul

RT: 13.88 min Scan# 1905

Delta R.T. 0.01 min

Lab File: BG018203.D

Acq: 1 Aug 2015 4:38

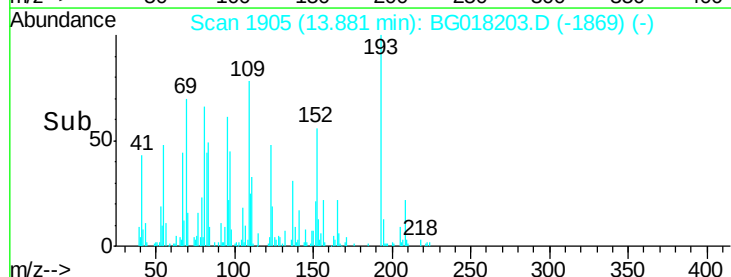
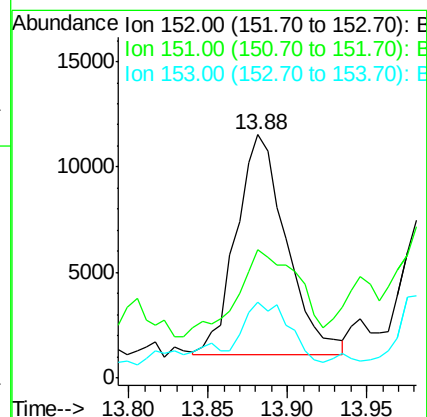
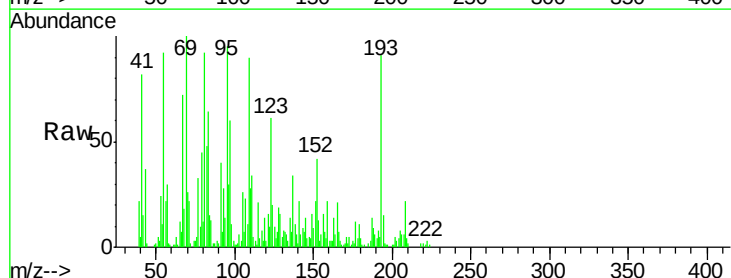
Tgt Ion:152 Resp: 22985

Ion Ratio Lower Upper

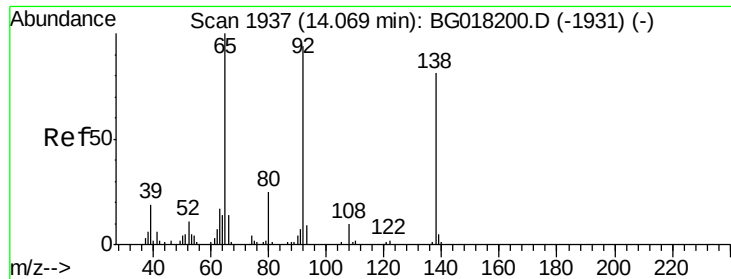
152 100

151 53.0 16.0 24.0#

153 31.0 11.0 16.4#







#49

3-Nitroaniline

Concen: 4.99 ng/ul

RT: 14.06 min Scan# 1935

Delta R.T. -0.01 min

Lab File: BG018203.D

Acq: 1 Aug 2015 4:38

Instrument :

BNA\_G

ClientSampleId :

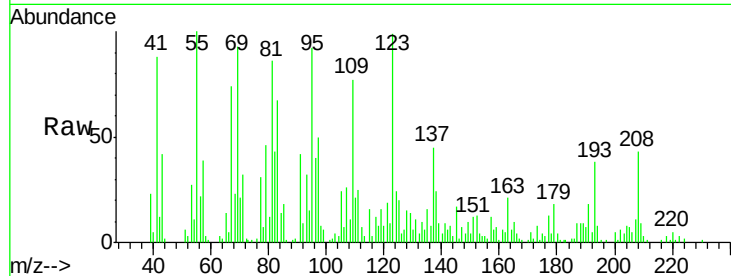
Tot Ion:138 Resp: 8654

Ion Ratio Lower Upper

138 100

108 44.6 6.8 10.2#

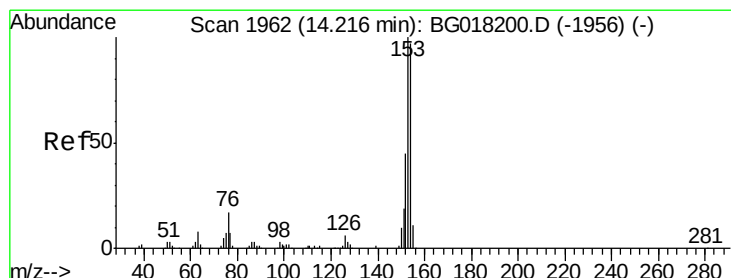
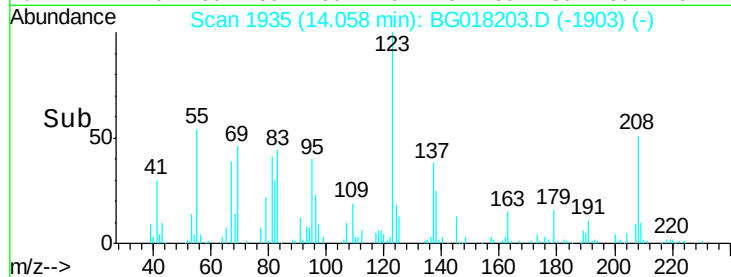
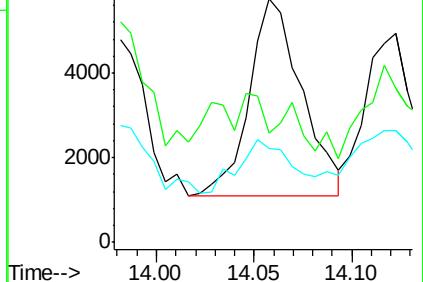
92 38.6 70.2 105.2#



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): E



#50

Acenaphthene

Concen: 5.91 ng/ul

RT: 14.22 min Scan# 1963

Delta R.T. 0.01 min

Lab File: BG018203.D

Acq: 1 Aug 2015 4:38

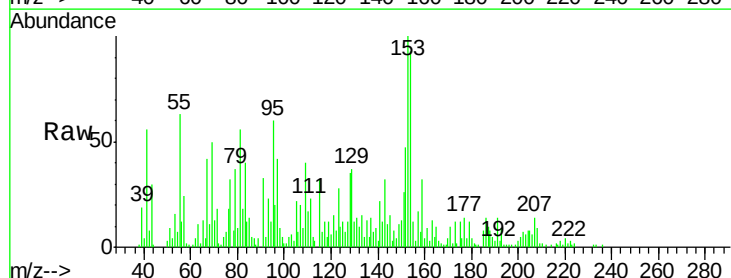
Tgt Ion:153 Resp: 38213

Ion Ratio Lower Upper

153 100

152 47.3 38.7 58.1

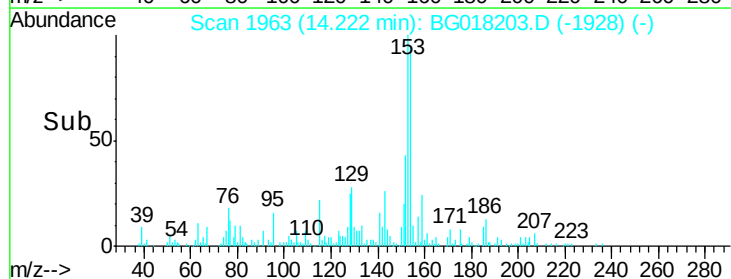
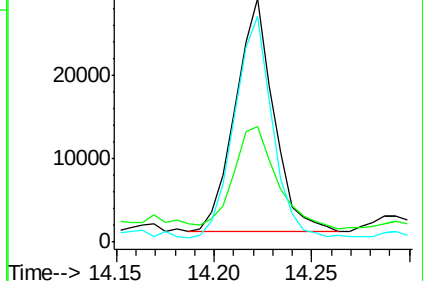
154 92.9 74.8 112.2

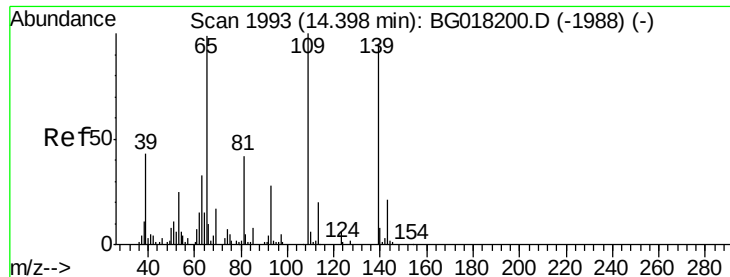


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

4-Nitrophenol

Concen: 2.02 ng/ul

RT: 14.41 min Scan# 1995

Delta R.T. 0.01 min

Lab File: BG018203.D

Acq: 1 Aug 2015 4:38

Instrument :

BNA\_G

ClientSampleId :

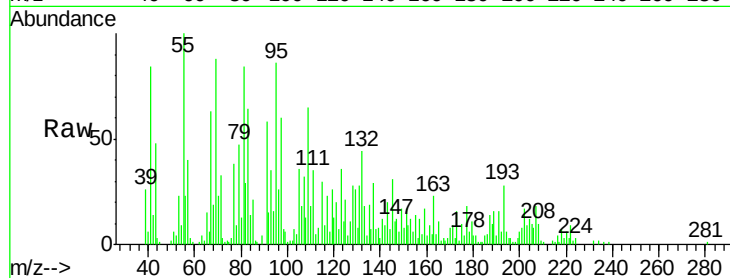
Tot Ion:109 Resp: 3253

Ion Ratio Lower Upper

109 100

139 12.7 115.1 172.7#

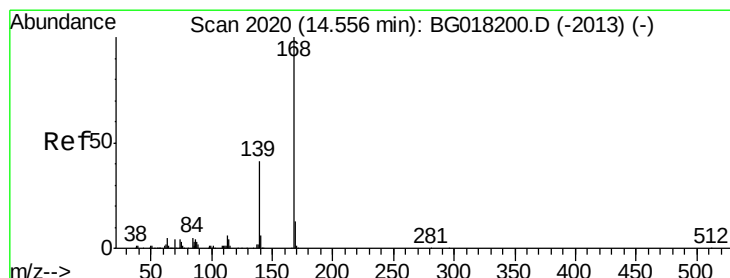
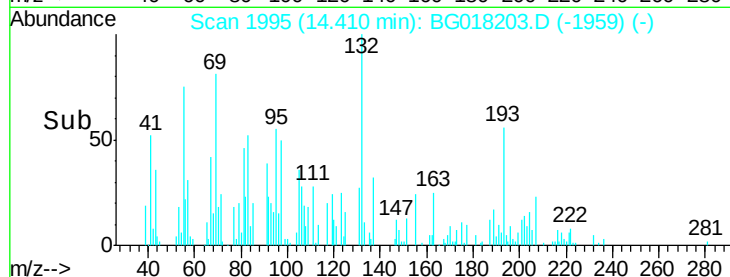
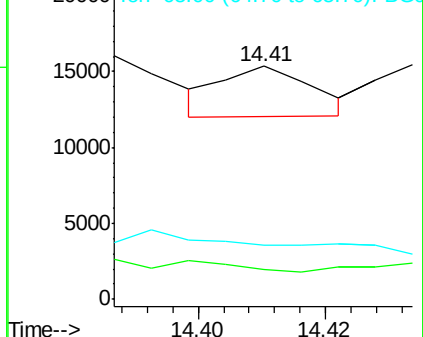
65 23.1 83.8 125.6#



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): B



#54

Dibenzofuran

Concen: 3.23 ng/ul

RT: 14.56 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BG018203.D

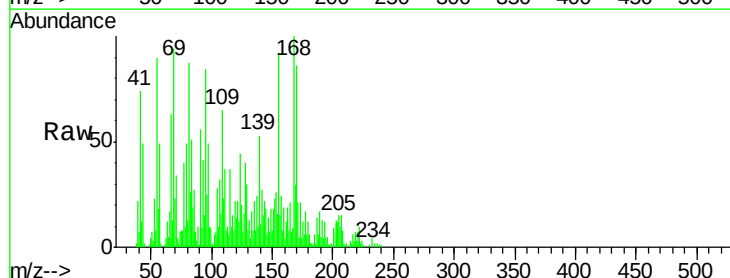
Acq: 1 Aug 2015 4:38

Tgt Ion:168 Resp: 31442

Ion Ratio Lower Upper

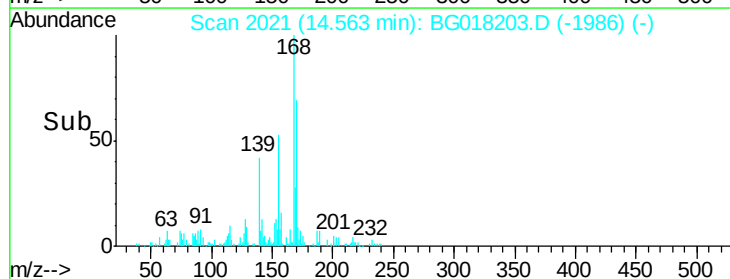
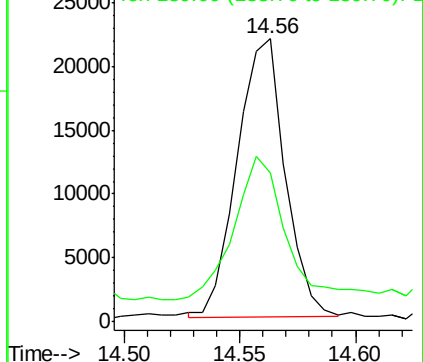
168 100

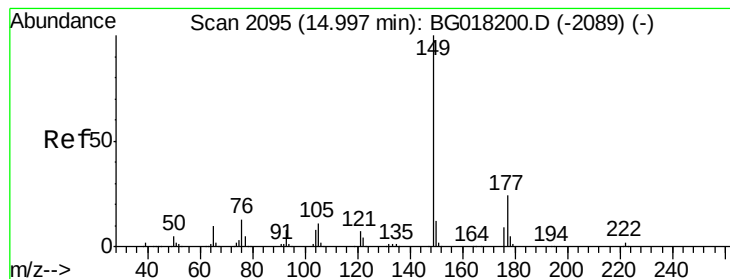
139 52.7 26.8 40.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#57

Diethylphthalate

Concen: 1.95 ng/ul

RT: 15.00 min Scan# 2095

Delta R.T. 0.00 min

Lab File: BG018203.D

Acq: 1 Aug 2015 4:38

Instrument :

BNA\_G

ClientSampleId :

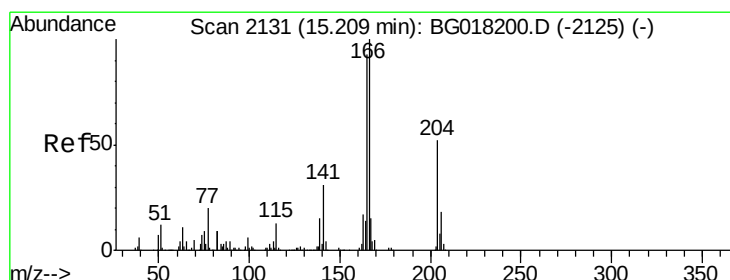
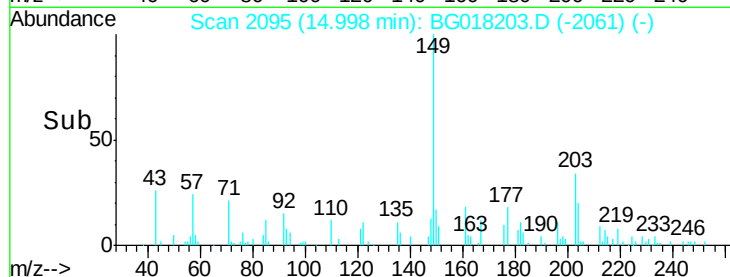
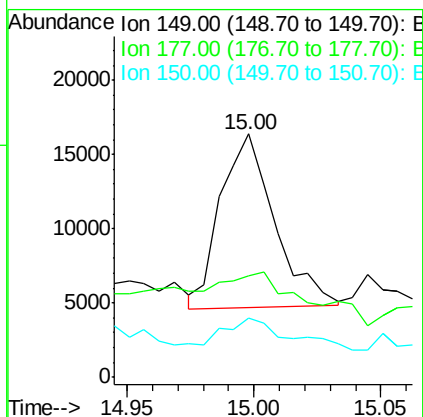
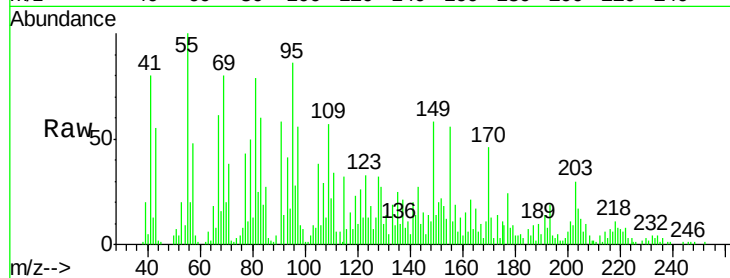
Tot Ion:149 Resp: 17285

Ion Ratio Lower Upper

149 100

177 41.9 20.1 30.1#

150 24.5 10.0 15.0#



#59

Fluorene

Concen: 7.94 ng/ul

RT: 15.22 min Scan# 2132

Delta R.T. 0.01 min

Lab File: BG018203.D

Acq: 1 Aug 2015 4:38

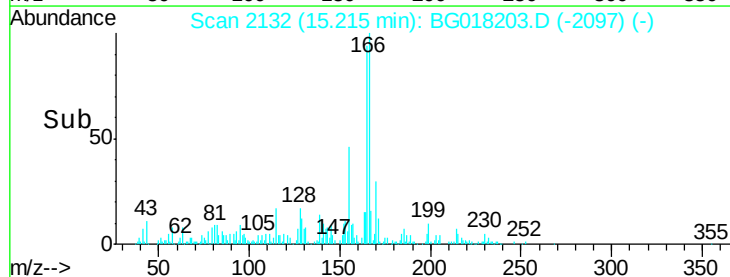
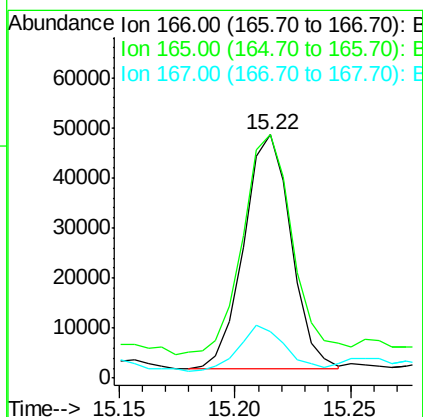
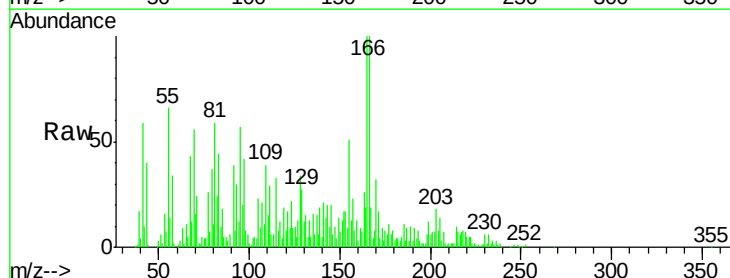
Tgt Ion:166 Resp: 66703

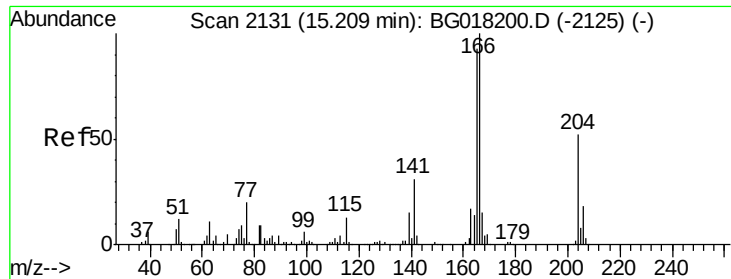
Ion Ratio Lower Upper

166 100

165 100.1 75.1 112.7

167 19.3 11.8 17.6#

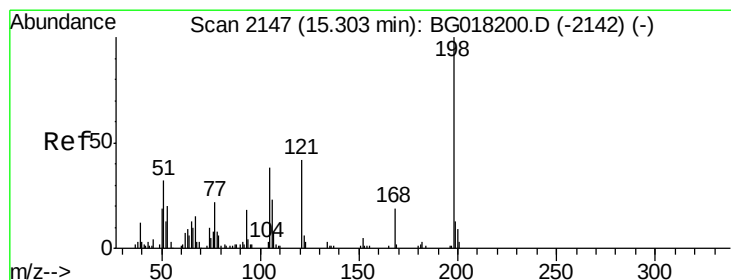
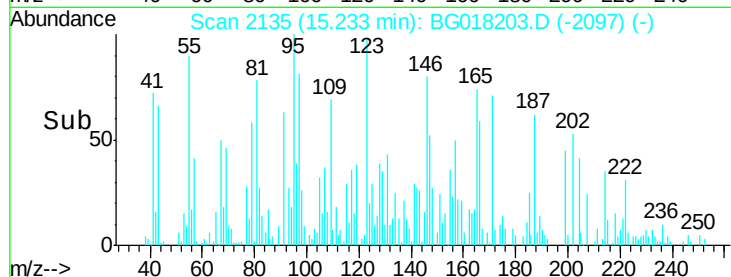
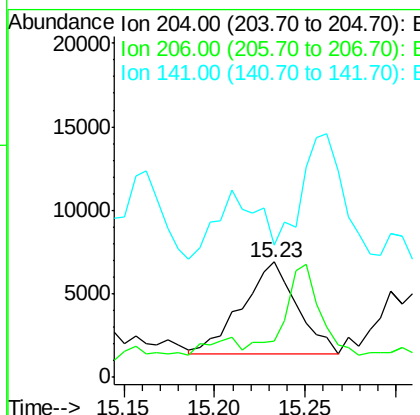
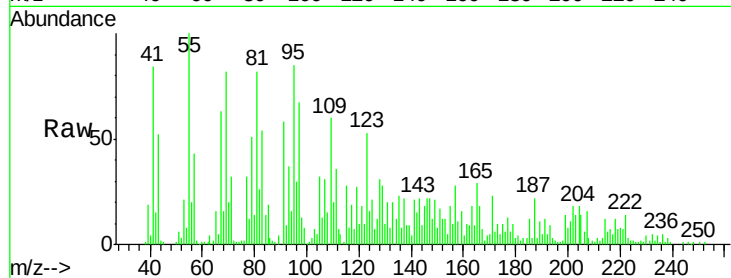




#60  
4-Chlorophenyl-phenylether  
Concen: 2.56 ng/ul  
RT: 15.23 min Scan# 2135  
Delta R.T. 0.02 min  
Lab File: BG018203.D  
Acq: 1 Aug 2015 4:38

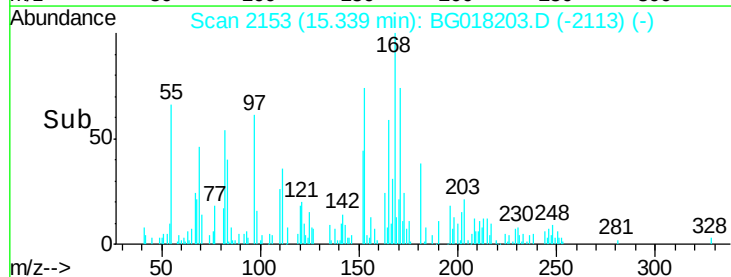
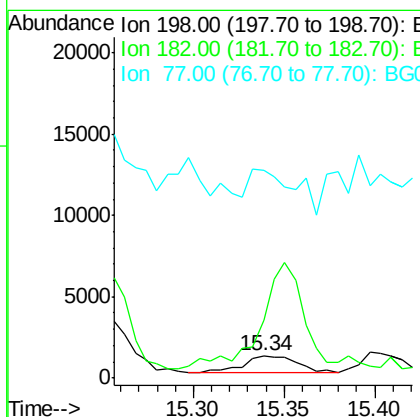
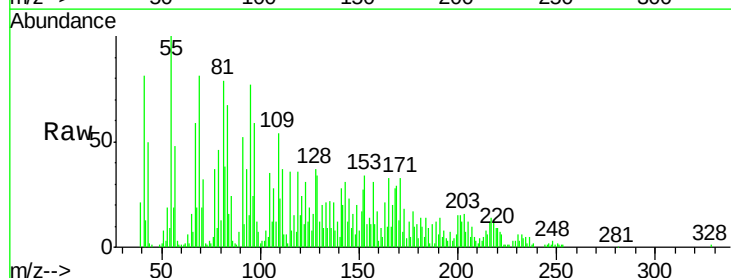
Instrument :  
BNA\_G  
ClientSampled :

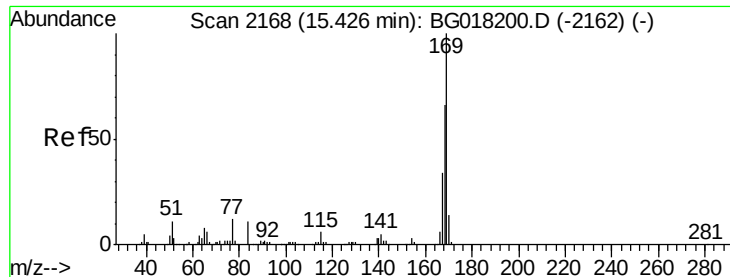
Tot Ion:204 Resp: 11608  
Ion Ratio Lower Upper  
204 100  
206 31.5 28.6 43.0  
141 115.2 42.0 63.0#



#64  
4,6-Dinitro-2-methylphenol  
Concen: 1.16 ng/ul  
RT: 15.34 min Scan# 2153  
Delta R.T. 0.04 min  
Lab File: BG018203.D  
Acq: 1 Aug 2015 4:38

Tgt Ion:198 Resp: 2172  
Ion Ratio Lower Upper  
198 100  
182 255.6 3.0 4.4#  
77 926.7 15.1 22.7#





#65

N-Nitrosodiphenylamine

Concen: 6.10 ng/ul

RT: 15.44 min Scan# 2170

Delta R.T. 0.01 min

Lab File: BG018203.D

Acq: 1 Aug 2015 4:38

Instrument :

BNA\_G

ClientSampleId :

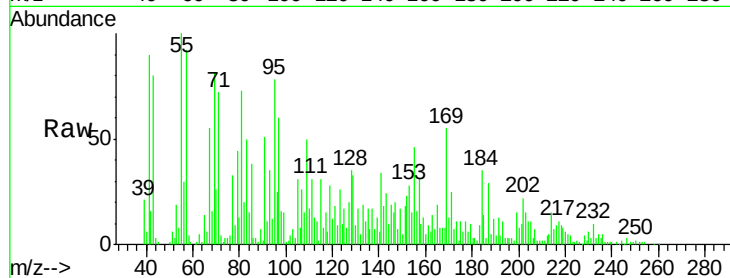
Tot Ion:169 Resp: 39972

Ion Ratio Lower Upper

169 100

168 15.3 51.8 77.6#

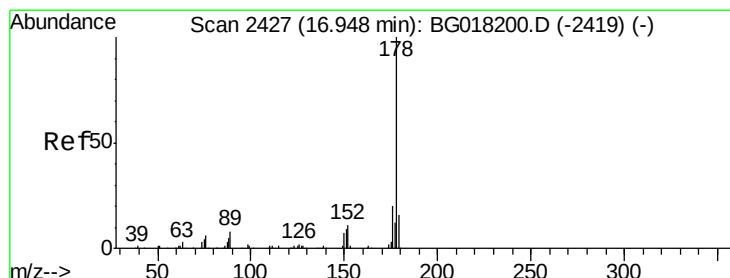
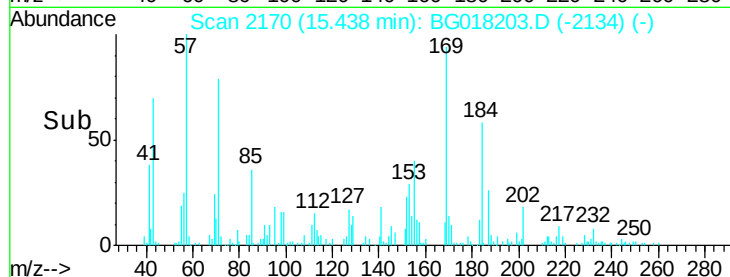
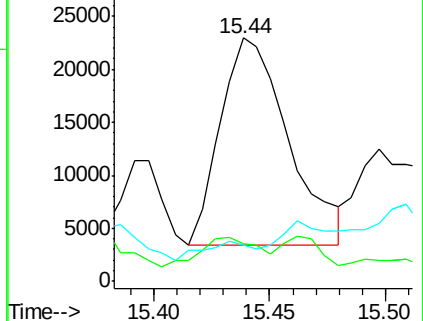
167 14.7 27.7 41.5#



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



#70

Phenanthrene

Concen: 60.99 ng/ul

RT: 16.97 min Scan# 2431

Delta R.T. 0.02 min

Lab File: BG018203.D

Acq: 1 Aug 2015 4:38

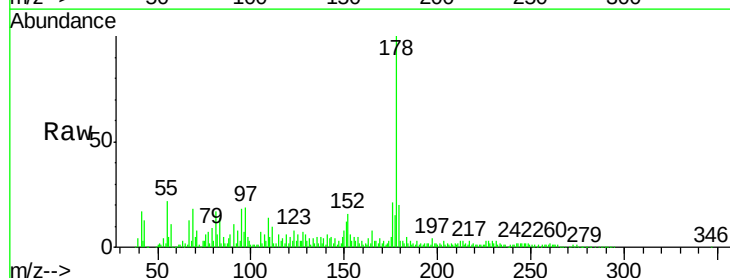
Tgt Ion:178 Resp: 783616

Ion Ratio Lower Upper

178 100

179 20.0 12.8 19.2#

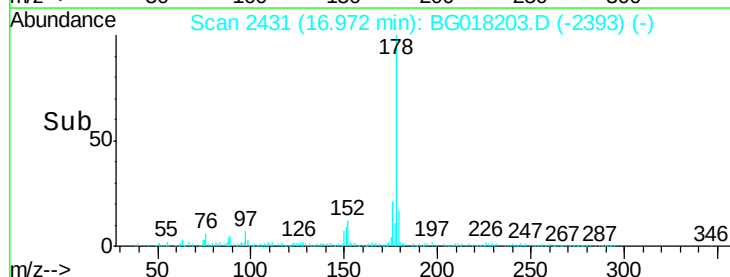
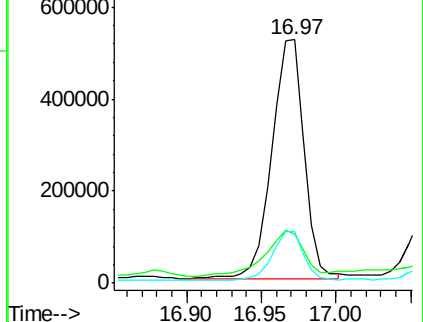
176 21.2 16.0 24.0

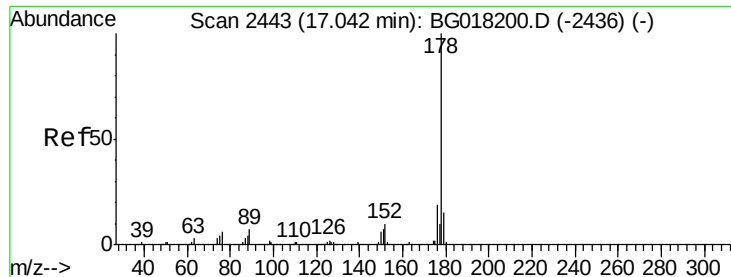


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 12.51 ng/ul

RT: 17.06 min Scan# 2446

Delta R.T. 0.02 min

Lab File: BG018203.D

Acq: 1 Aug 2015 4:38

Instrument :

BNA\_G

ClientSampleId :

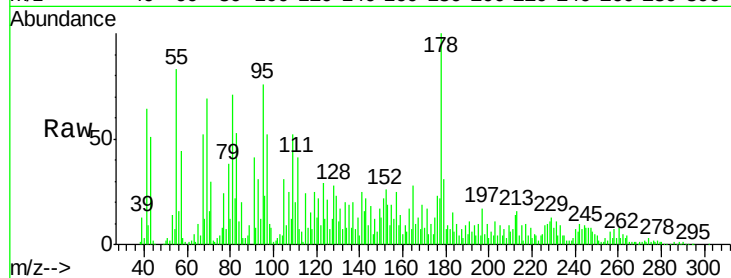
Tot Ion:178 Resp: 159947

Ion Ratio Lower Upper

178 100

179 30.7 12.2 18.2#

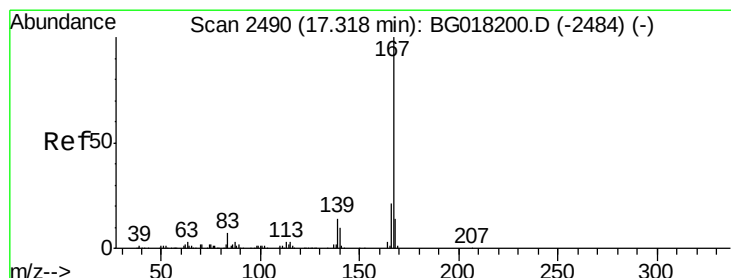
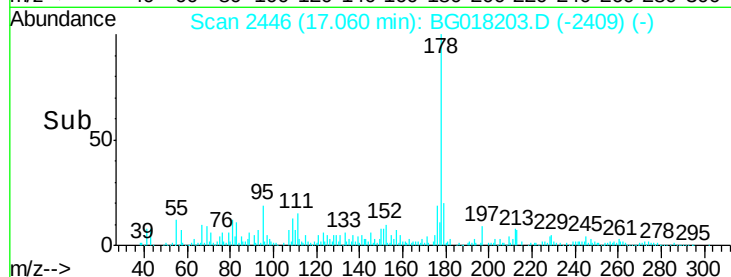
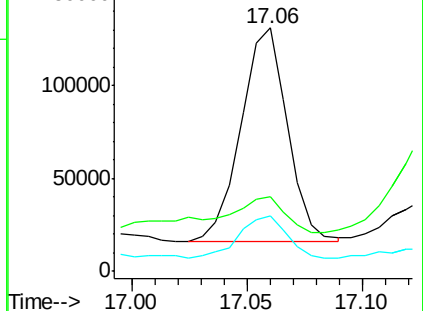
176 22.8 14.8 22.2#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 5.06 ng/ul

RT: 17.34 min Scan# 2493

Delta R.T. 0.02 min

Lab File: BG018203.D

Acq: 1 Aug 2015 4:38

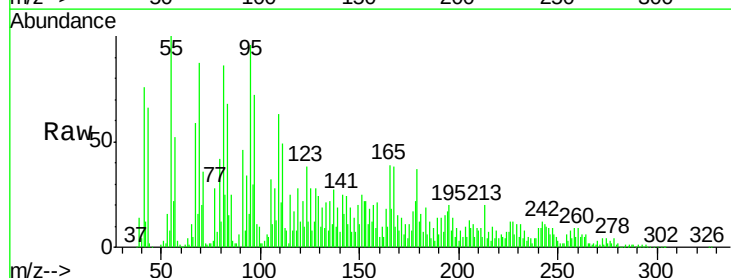
Tgt Ion:167 Resp: 53722

Ion Ratio Lower Upper

167 100

166 48.0 17.5 26.3#

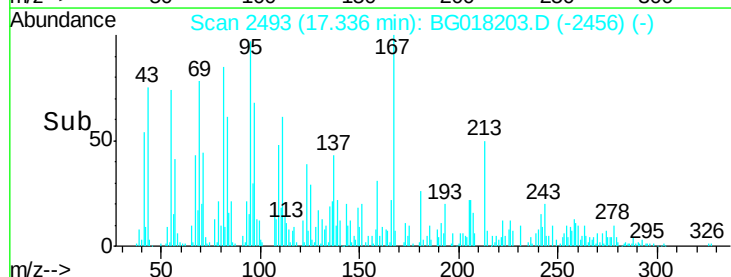
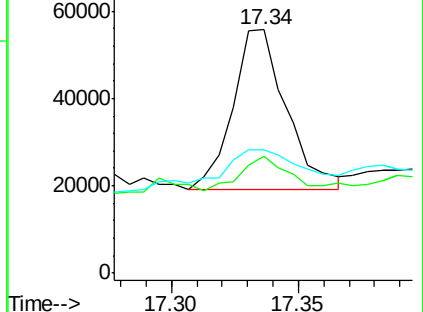
139 50.9 10.1 15.1#

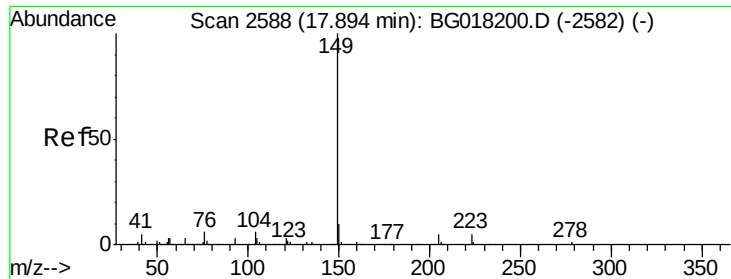


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

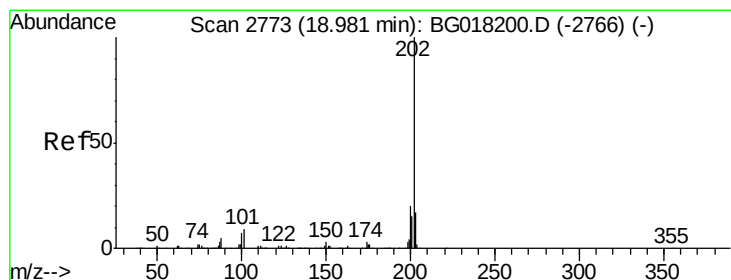
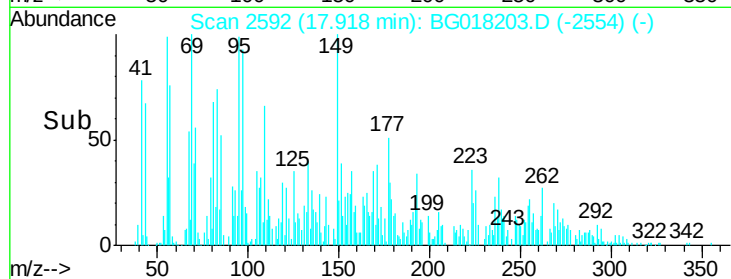
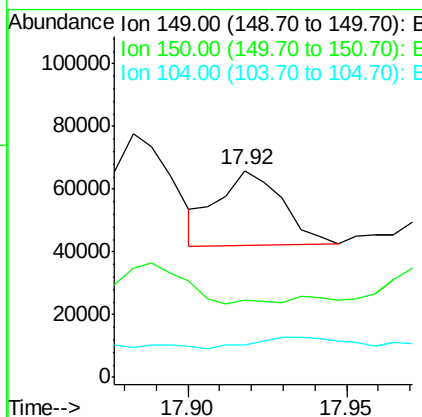
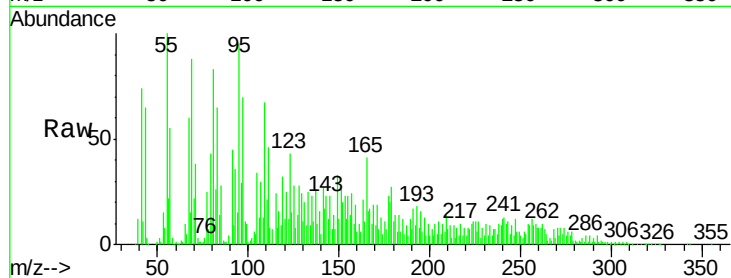




#76  
Di-n-butylphthalate  
Concen: 2.35 ng/ul  
RT: 17.92 min Scan# 2592  
Delta R.T. 0.02 min  
Lab File: BG018203.D  
Acq: 1 Aug 2015 4:38

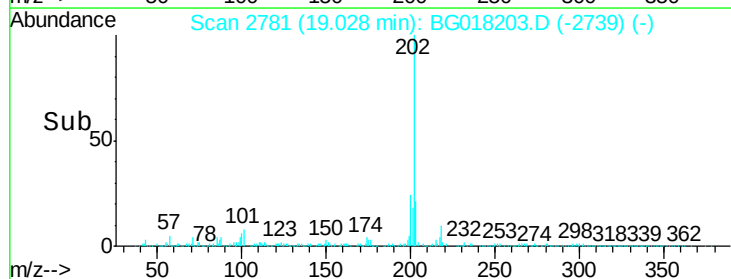
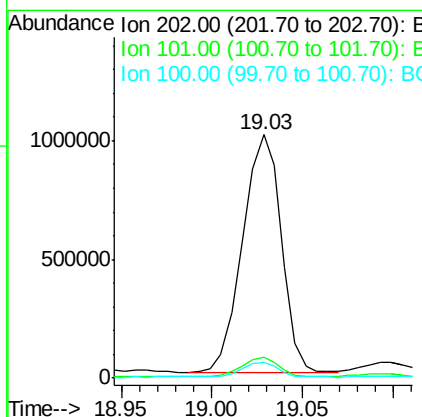
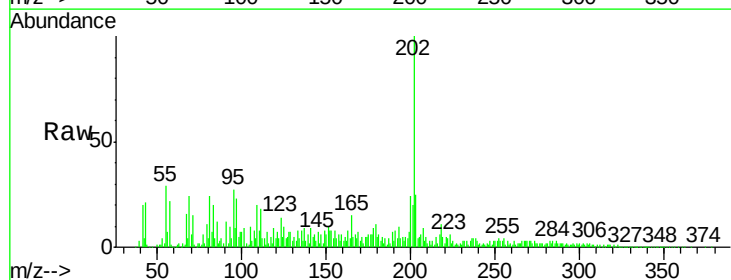
Instrument :  
BNA\_G  
ClientSampled :

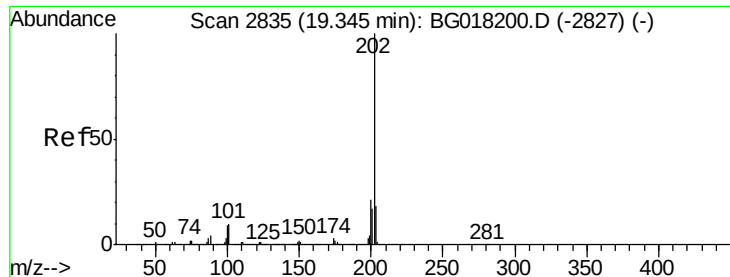
Tot Ion:149 Resp: 33255  
Ion Ratio Lower Upper  
149 100  
150 37.6 7.7 11.5#  
104 15.8 3.6 5.4#



#77  
Fluoranthene  
Concen: 105.83 ng/ul  
RT: 19.03 min Scan# 2781  
Delta R.T. 0.05 min  
Lab File: BG018203.D  
Acq: 1 Aug 2015 4:38

Tgt Ion:202 Resp: 1493312  
Ion Ratio Lower Upper  
202 100  
101 8.6 7.5 11.3  
100 6.6 5.5 8.3

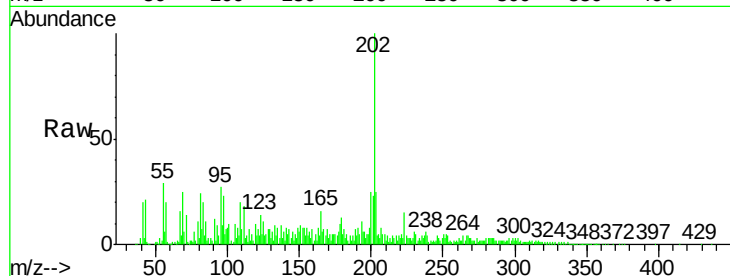




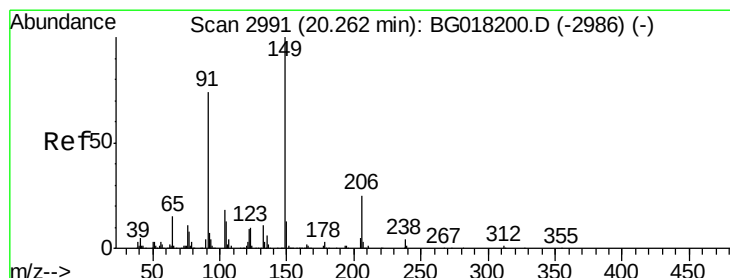
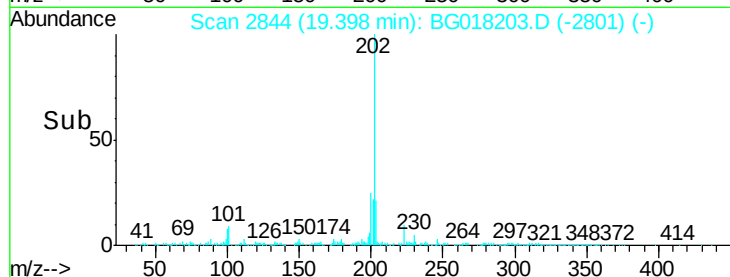
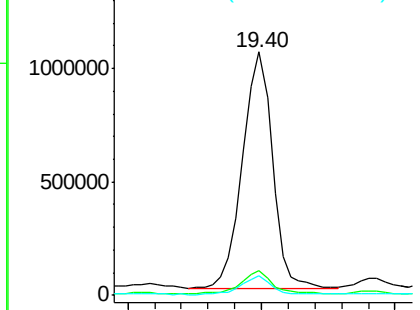
#80  
Pvrene  
Concen: 8701.02 ng/ul  
RT: 19.40 min Scan# 2844  
Delta R.T. 0.05 min  
Lab File: BG018203.D  
Acq: 1 Aug 2015 4:38

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:202 Resp: 1610760  
Ion Ratio Lower Upper  
202 100  
101 10.0 8.1 12.1  
100 8.1 7.4 11.0

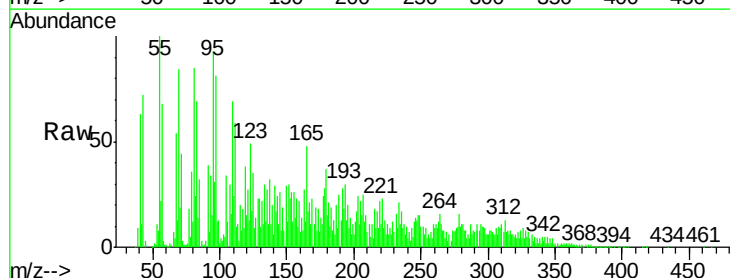


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): E

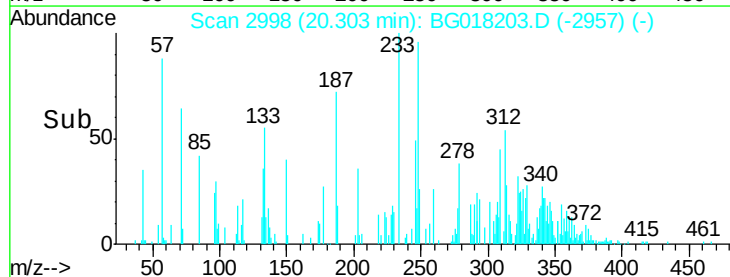
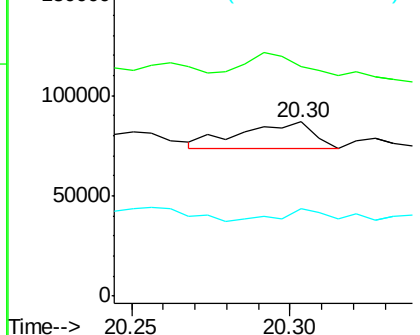


#81  
Butylbenzylphthalate  
Concen: 285.61 ng/ul  
RT: 20.30 min Scan# 2998  
Delta R.T. 0.04 min  
Lab File: BG018203.D  
Acq: 1 Aug 2015 4:38

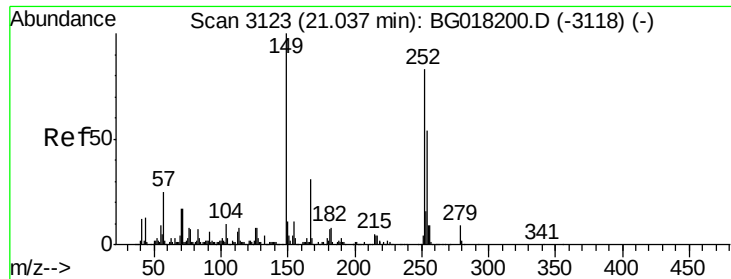
Tgt Ion:149 Resp: 21476  
Ion Ratio Lower Upper  
149 100  
91 132.1 46.6 69.8#  
206 50.0 21.8 32.8#



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BG  
Ion 206.00 (205.70 to 206.70): E



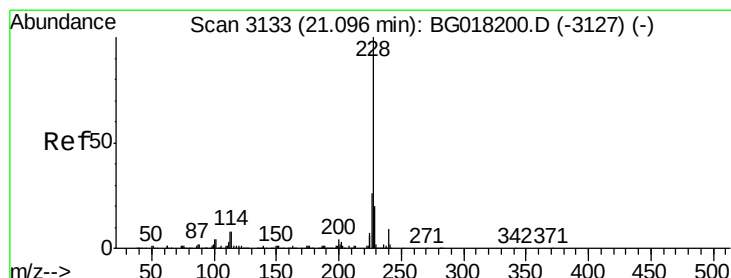
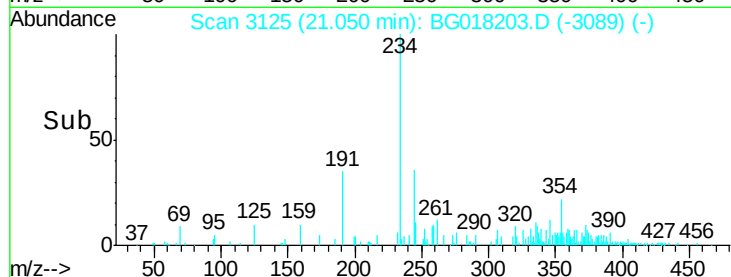
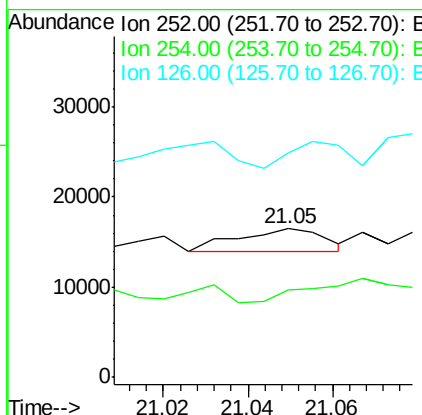
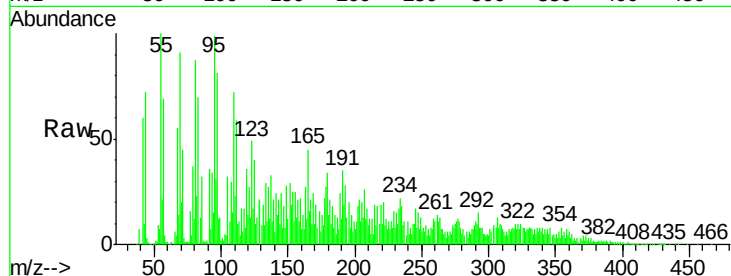




#82  
 3,3'-Dichlorobenzidine  
 Concen: 57.25 ng/ul  
 RT: 21.05 min Scan# 3125  
 Delta R.T. 0.01 min  
 Lab File: BG018203.D  
 Acq: 1 Aug 2015 4:38

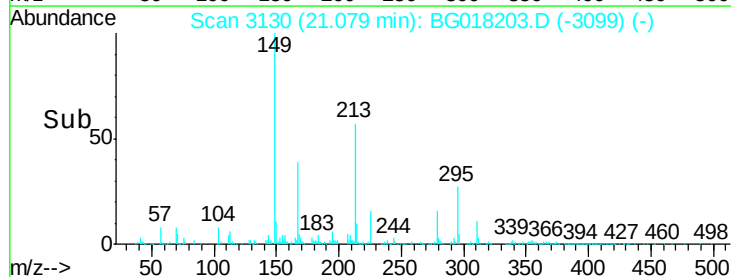
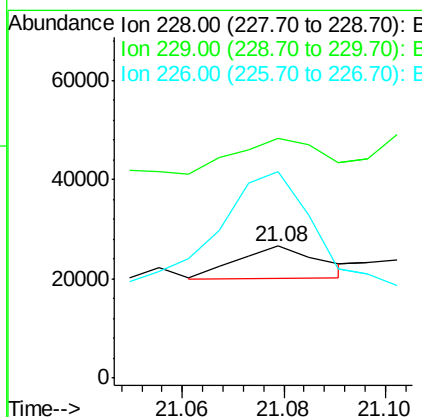
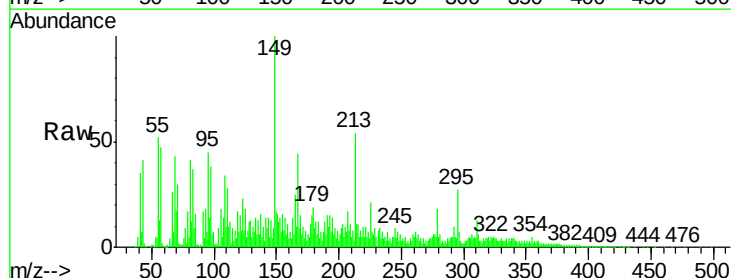
Instrument :  
 BNA\_G  
 ClientSampled :

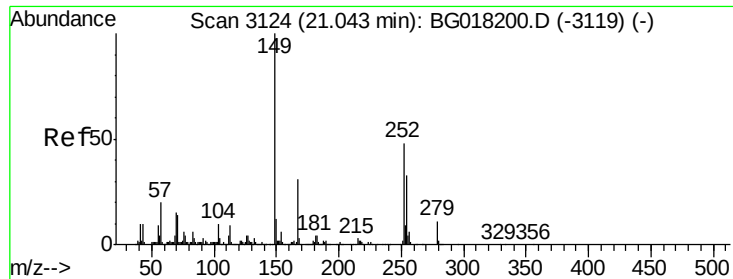
Tot Ion:252 Resp: 3685  
 Ion Ratio Lower Upper  
 252 100  
 254 58.7 53.4 80.0  
 126 151.0 8.7 13.1#



#83  
 Benzo(a)anthracene  
 Concen: 43.50 ng/ul  
 RT: 21.08 min Scan# 3130  
 Delta R.T. -0.02 min  
 Lab File: BG018203.D  
 Acq: 1 Aug 2015 4:38

Tgt Ion:228 Resp: 7150  
 Ion Ratio Lower Upper  
 228 100  
 229 181.7 16.5 24.7#  
 226 156.8 21.5 32.3#





#84

Bis(2-ethylhexyl)phthalate

Concen: 5655.40 ng/ul

RT: 21.08 min Scan# 3130

Delta R.T. 0.04 min

Lab File: BG018203.D

Acq: 1 Aug 2015 4:38

Instrument :

BNA\_G

ClientSampled :

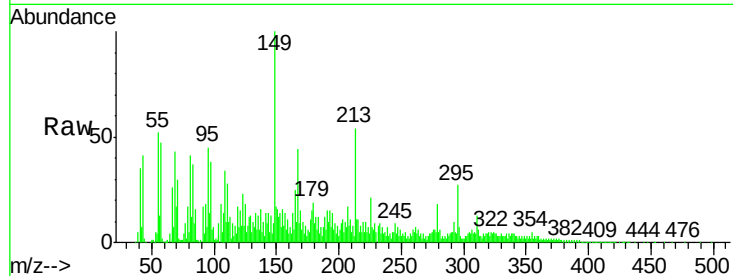
Tot Ion:149 Resp: 573755

Ion Ratio Lower Upper

149 100

167 44.1 27.4 41.2#

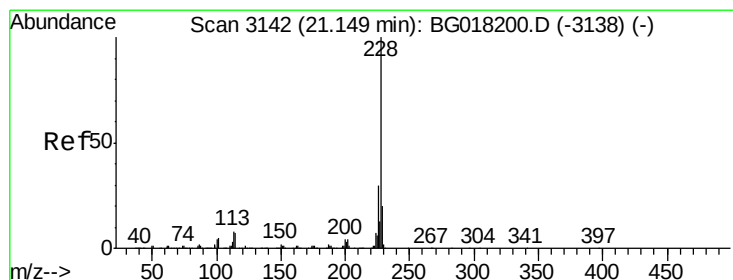
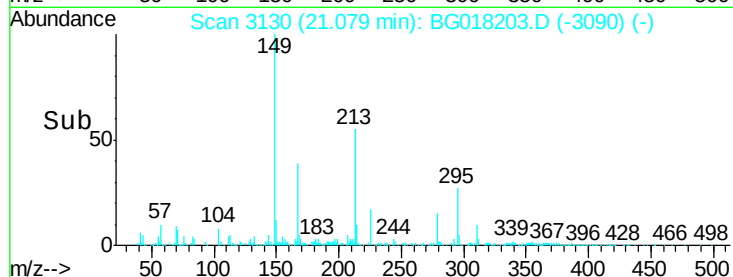
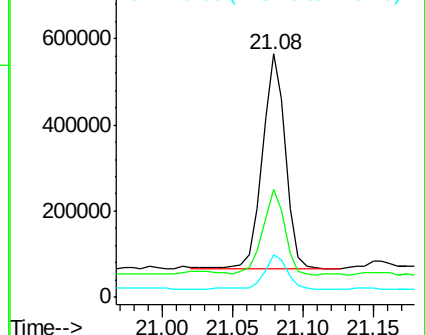
279 17.8 8.3 12.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 4788.28 ng/ul

RT: 21.15 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BG018203.D

Acq: 1 Aug 2015 4:38

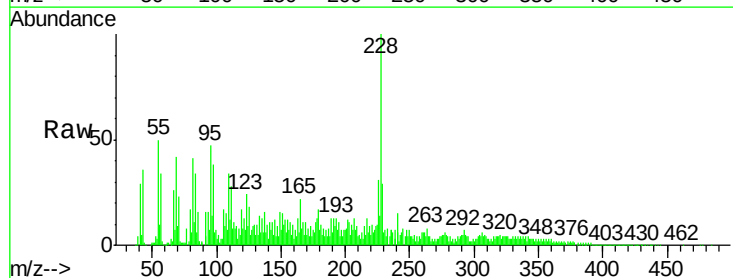
Tgt Ion:228 Resp: 720889

Ion Ratio Lower Upper

228 100

226 31.5 22.7 34.1

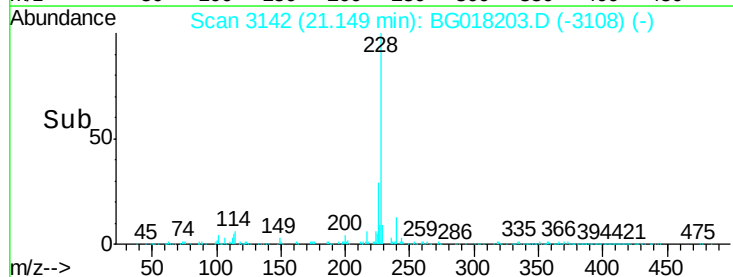
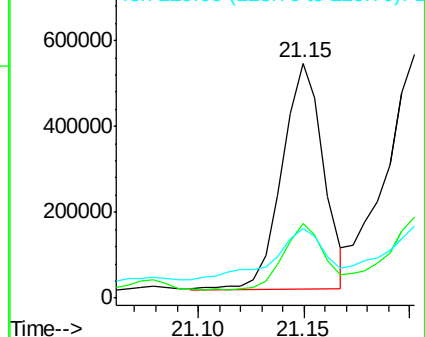
229 29.5 16.2 24.2#

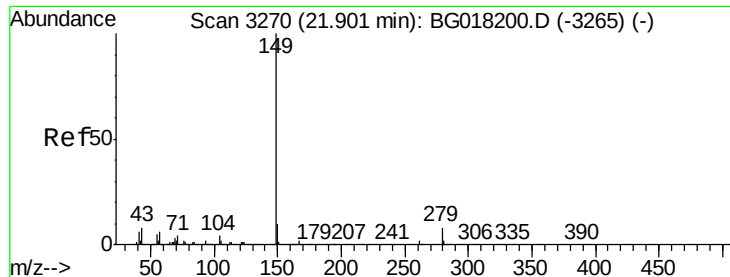


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



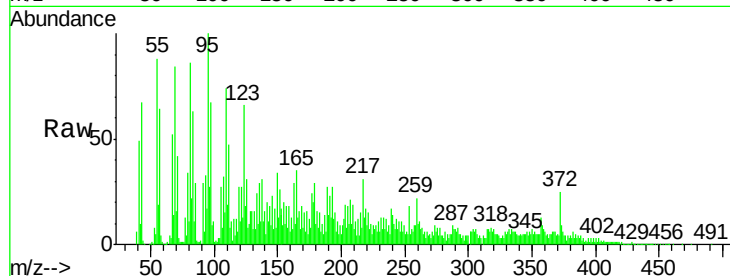


#87

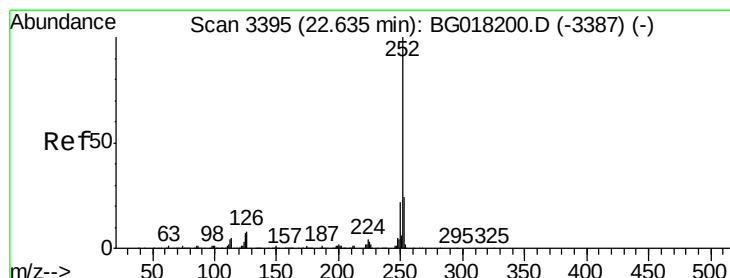
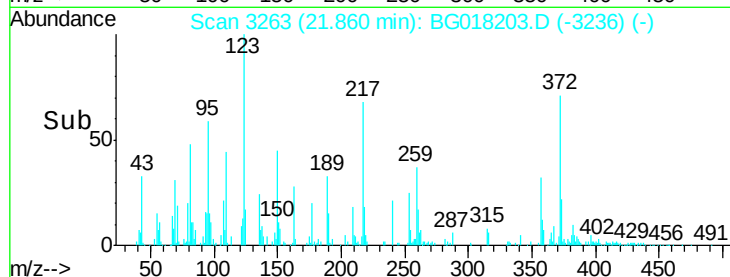
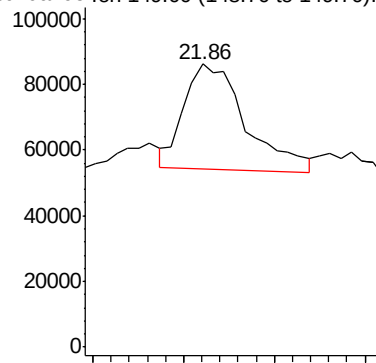
Di-n-octyl phthalate  
Concen: 2088.72 ng/ul  
RT: 21.86 min Scan# 3263  
Delta R.T. -0.04 min  
Lab File: BG018203.D  
Acq: 1 Aug 2015 4:38

Instrument :  
BNA\_G  
ClientSampleId :

Tgt Ion:149 Resp: 75892



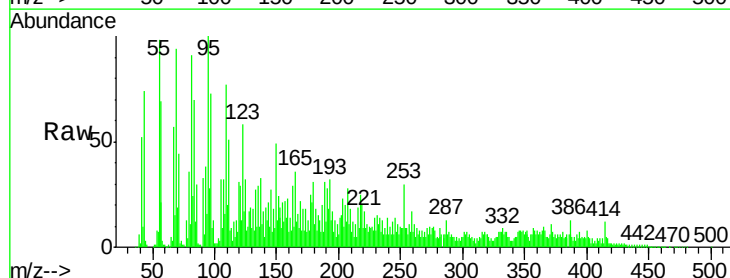
Abundance Ion 149.00 (148.70 to 149.70): E



#88

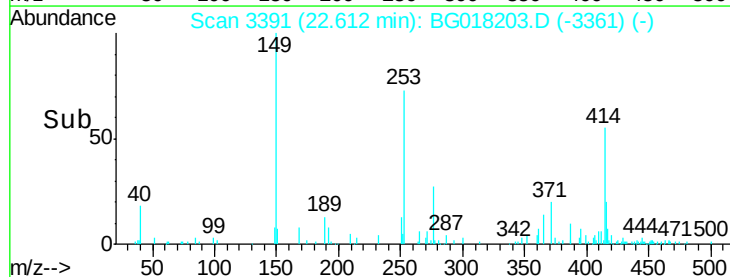
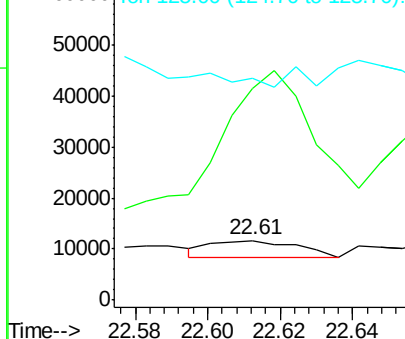
Benzo(b)fluoranthene  
Concen: 136.68 ng/ul  
RT: 22.61 min Scan# 3391  
Delta R.T. -0.02 min  
Lab File: BG018203.D  
Acq: 1 Aug 2015 4:38

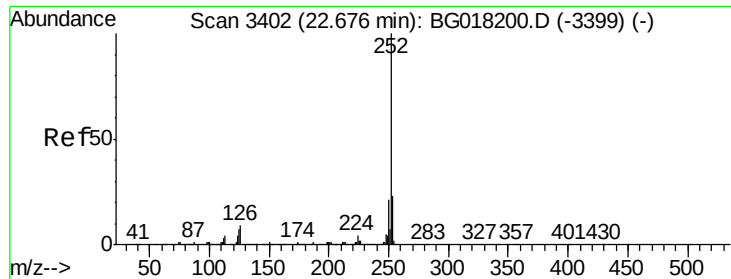
Tgt Ion:252 Resp: 5649  
Ion Ratio Lower Upper  
252 100  
253 355.7 18.5 27.7#  
125 374.2 7.4 11.0#



Abundance Ion 252.00 (251.70 to 252.70): E

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





#89

Benzo(k)fluoranthene

Concen: 56.23 ng/ul

RT: 22.64 min Scan# 3396

Delta R.T. -0.03 min

Lab File: BG018203.D

Acq: 1 Aug 2015 4:38

Instrument :

BNA\_G

ClientSampleId :

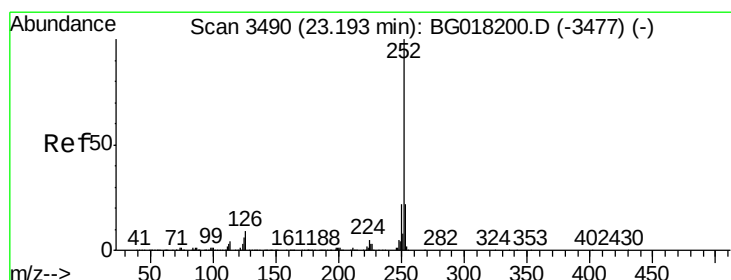
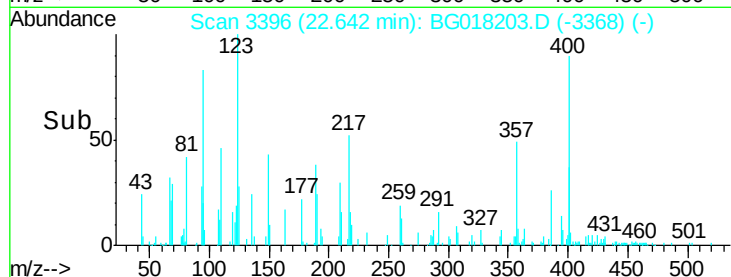
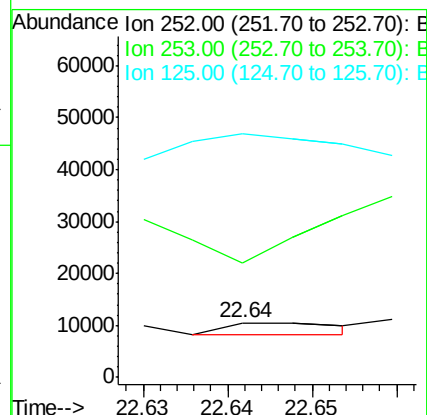
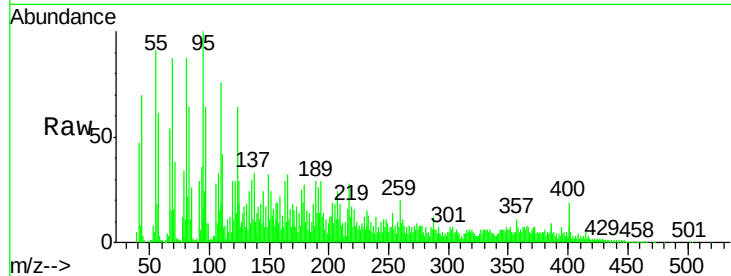
Tot Ion:252 Resp: 2136

Ion Ratio Lower Upper

252 100

253 208.5 18.2 27.2#

125 446.4 7.5 11.3#



#91

Benzo(a)pyrene

Concen: 14720.16 ng/ul

RT: 23.17 min Scan# 3486

Delta R.T. -0.02 min

Lab File: BG018203.D

Acq: 1 Aug 2015 4:38

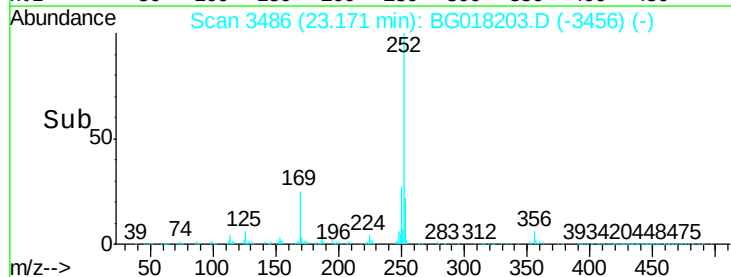
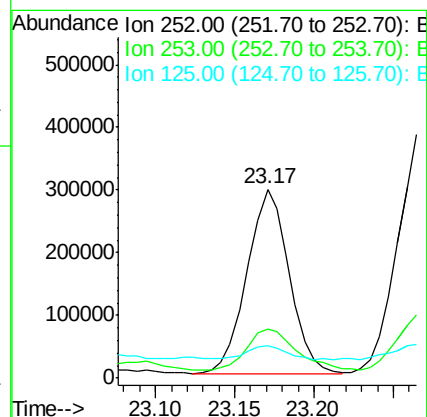
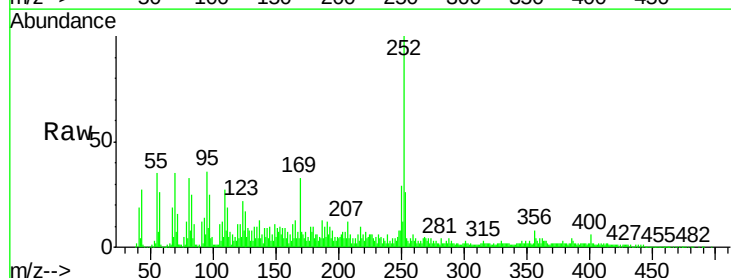
Tgt Ion:252 Resp: 544304

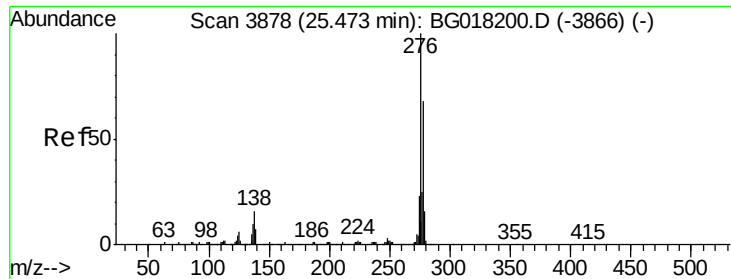
Ion Ratio Lower Upper

252 100

253 25.9 17.4 26.2

125 17.2 7.3 10.9#



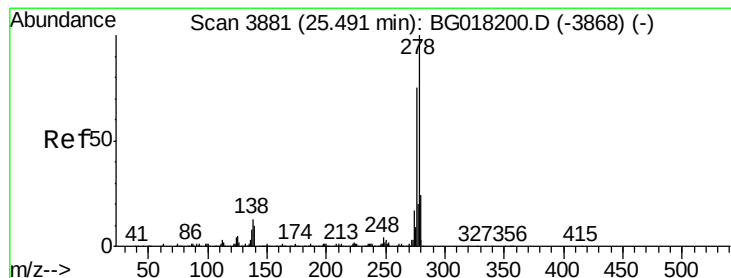
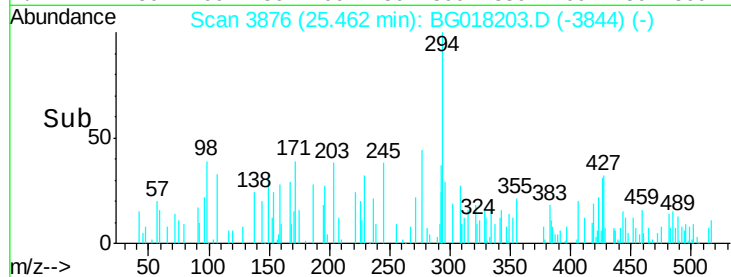
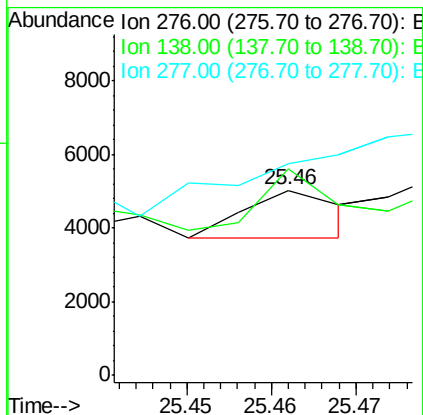
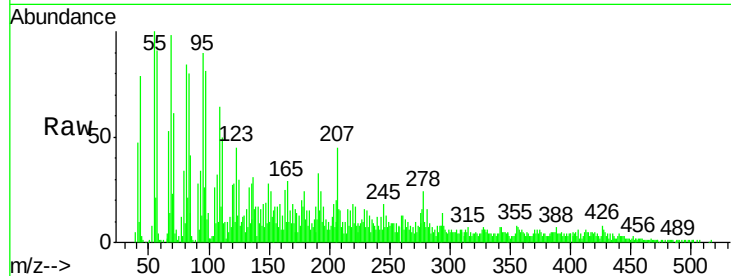


#92

Indeno(1,2,3-cd)pyrene  
Concen: 23.87 ng/ul  
RT: 25.46 min Scan# 3876  
Delta R.T. -0.01 min  
Lab File: BG018203.D  
Acq: 1 Aug 2015 4:38

Instrument :  
BNA\_G  
ClientSampleId :

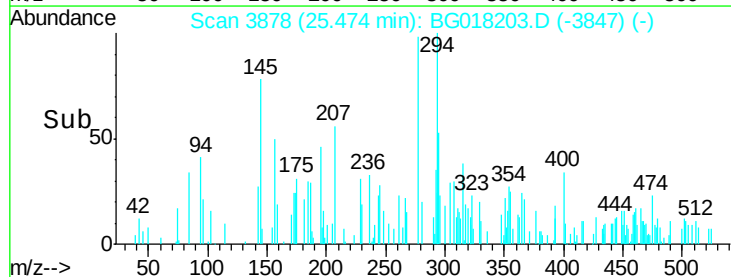
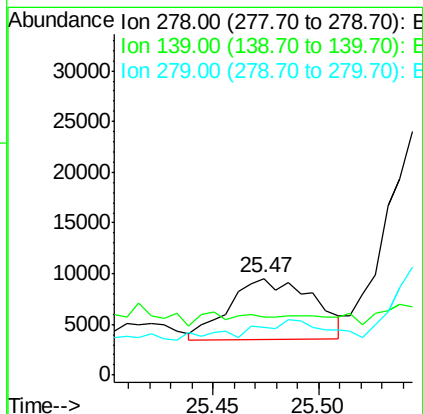
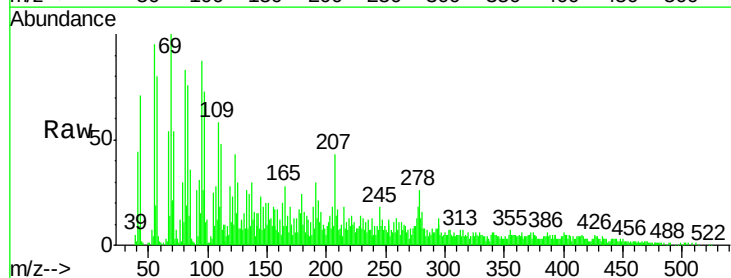
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 111.4 | 17.2  | 25.8# |
| 277     | 114.0 | 19.5  | 29.3# |

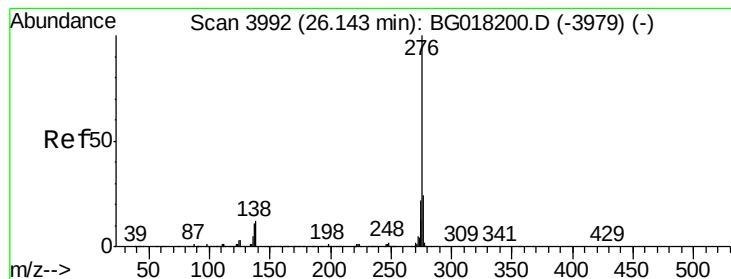


#93

Dibenzo(a,h)anthracene  
Concen: 448.11 ng/ul  
RT: 25.47 min Scan# 3878  
Delta R.T. -0.02 min  
Lab File: BG018203.D  
Acq: 1 Aug 2015 4:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 59.9  | 12.2  | 18.2# |
| 279     | 50.0  | 20.0  | 30.0# |





#94

Benzo(a,h,i)perylene

Concen: 50.21 ng/ul

RT: 26.13 min Scan# 3990

Delta R.T. -0.01 min

Lab File: BG018203.D

Acq: 1 Aug 2015 4:38

Instrument :

BNA\_G

ClientSampleId :

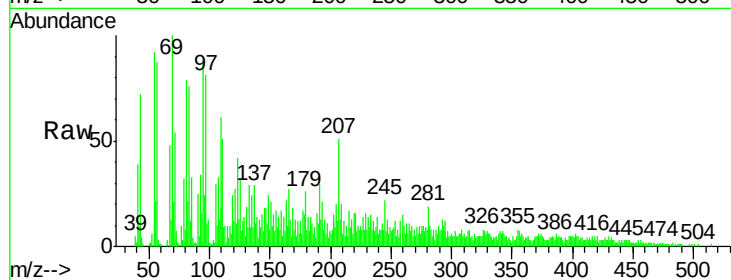
Tot Ion: 276 Resp: 1754

Ion Ratio Lower Upper

276 100

138 106.2 15.1 22.7#

277 94.6 19.8 29.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

