

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG012617\  
 Data File : BG025671.D  
 Acq On : 26 Jan 2017 17:55  
 Operator : SJ/MA  
 Sample : I1387-07DL 10X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DA9R3DL

Quant Time: Jan 27 03:38:59 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jan 27 03:32:12 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.18  | 152  | 64513    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.00 | 136  | 306375   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.81 | 164  | 250674   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.56 | 188  | 528577   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.84 | 240  | 648509   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.23 | 264  | 651743   | 20.00 | ng/ul | 0.00     |

| System Monitoring Compounds    | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 3) 1,4-Dioxane-d8              | 3.52  | 96   | 278      | 0.22  | ng/uL | 0.00     |
| 5) Phenol-d5                   | 7.37  | 99   | 1558     | 0.28  | ng/ul | 0.03     |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.50  | 67   | 11615    | 3.25  | ng/ul | 0.00     |
| 9) 2-Chlorophenol-d4           | 7.72  | 132  | 9831     | 2.52  | ng/ul | 0.02     |
| 13) 4-Methylphenol-d8          | 8.92  | 113  | 6456     | 1.37  | ng/ul | 0.02     |
| 19) Nitrobenzene-d5            | 9.38  | 128  | 6608     | 3.04  | ng/ul | 0.02     |
| 22) 2-Nitrophenol-d4           | 10.09 | 143  | 10067    | 3.88  | ng/ul | 0.00     |
| 26) 2,4-Dichlorophenol-d3      | 10.66 | 165  | 14496    | 2.84  | ng/ul | 0.02     |
| 29) 4-Chloroaniline-d4         | 11.17 | 131  | 68       | 0.01  | ng/ul | 0.02     |
| 43) Dimethylphthalate-d6       | 14.20 | 166  | 62651    | 3.54  | ng/ul | 0.00     |
| 46) Acenaphthylene-d8          | 14.51 | 160  | 75103    | 3.93  | ng/ul | 0.00     |
| 51) 4-Nitrophenol-d4           | 15.02 | 143  | 513      | 0.21  | ng/ul | -0.03    |
| 57) Fluorene-d10               | 15.79 | 176  | 60619    | 3.63  | ng/ul | 0.00     |
| 62) 4,6-Dinitro-2-methylphenol | 15.95 | 200  | 120654   | 37.01 | ng/ul | 0.00     |
| 70) Anthracene-d10             | 17.56 | 188  | 528577   | 23.49 | ng/ul | -0.10    |
| 76) Pyrene-d10                 | 19.93 | 212  | 108657   | 4.03  | ng/ul | 0.00     |
| 87) Benzo(a)pyrene-d12         | 25.01 | 264  | 103613   | 3.78  | ng/ul | 0.00     |

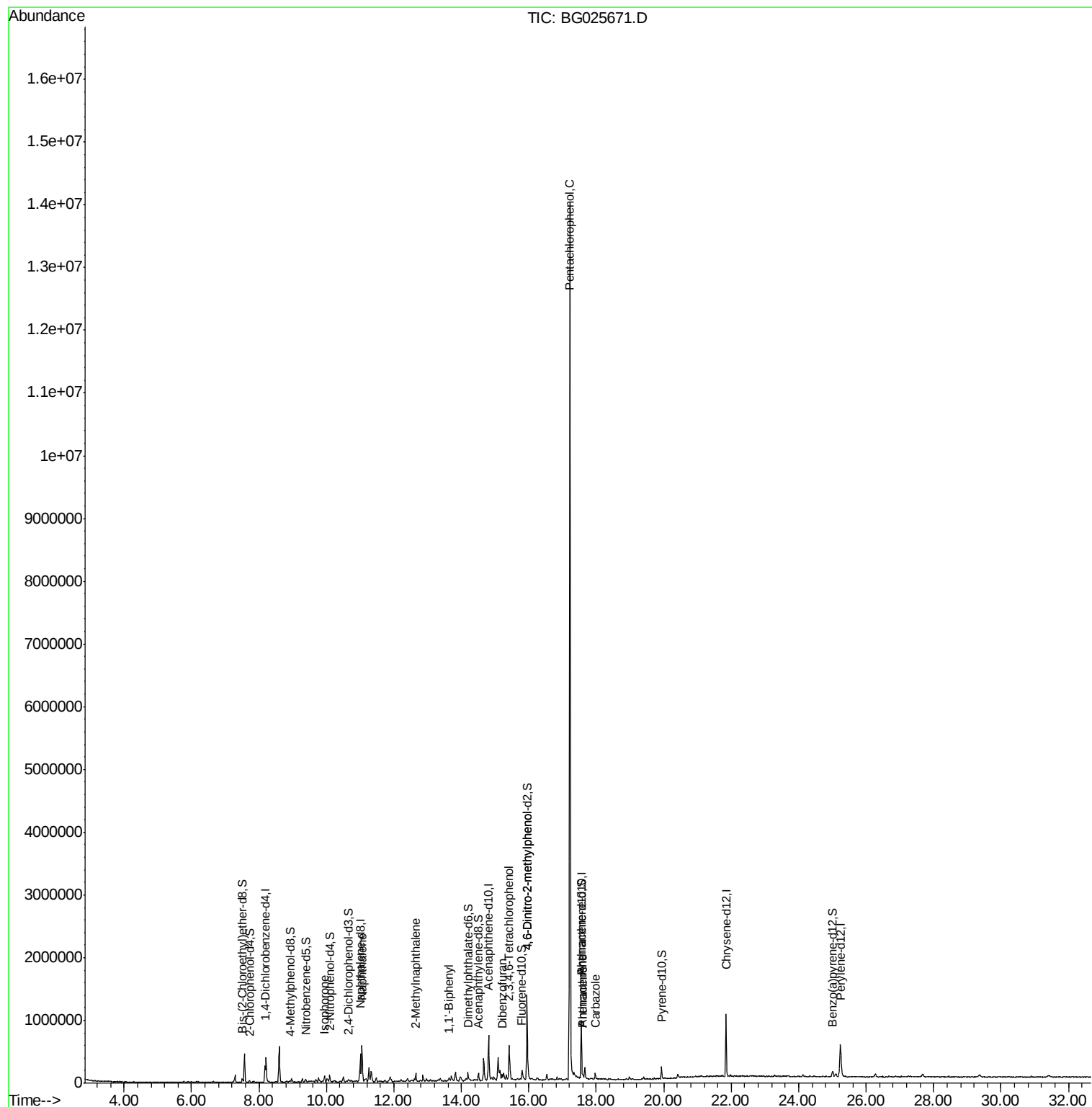
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 21) Isophorone                 | 9.92  | 82   | 15239    | 1.17   | ng/ul# | 78     |
| 28) Naphthalene                | 11.05 | 128  | 453187   | 32.04  | ng/ul  | 99     |
| 34) 2-Methylnaphthalene        | 12.65 | 142  | 55460    | 4.80   | ng/ul  | 91     |
| 40) 1,1'-Biphenyl              | 13.64 | 154  | 15907    | 1.02   | ng/ul# | 82     |
| 53) Dibenzofuran               | 15.21 | 168  | 54514    | 2.67   | ng/ul  | 93     |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.42 | 232  | 154320   | 30.43  | ng/ul# | 87     |
| 63) 4,6-Dinitro-2-methylphenol | 15.95 | 198  | 371004   | 110.38 | ng/ul# | 55     |
| 68) Pentachlorophenol          | 17.22 | 266  | 2499246  | 861.87 | ng/ul  | 92     |
| 69) Phenanthrene               | 17.60 | 178  | 49354    | 1.92   | ng/ul  | 94     |
| 71) Anthracene                 | 17.60 | 178  | 49354    | 1.91   | ng/ul  | 95     |
| 72) Carbazole                  | 17.97 | 167  | 59204    | 2.76   | ng/ul  | 95     |

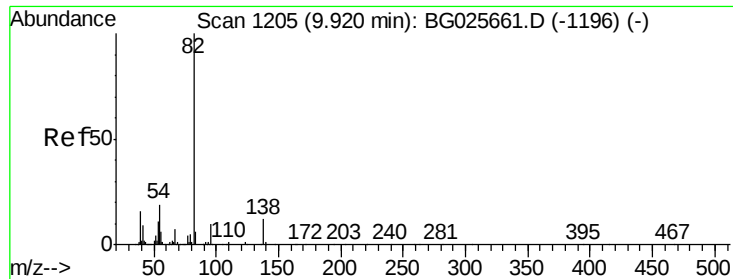
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#21

Isophorone

Concen: 1.17 ng/ul

RT: 9.92 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BG025671.D

Acq: 26 Jan 2017 17:55

Instrument :

BNA\_G

ClientSampleId :

DA9R3DL

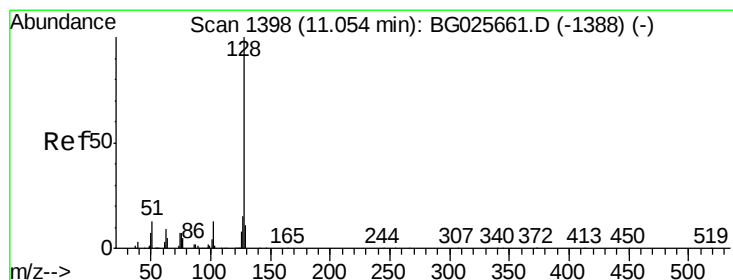
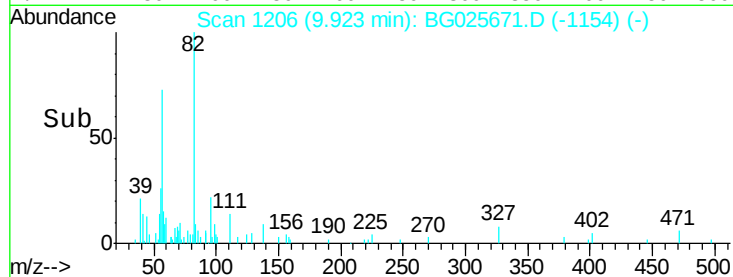
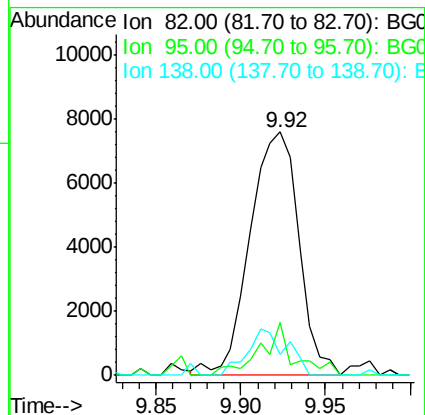
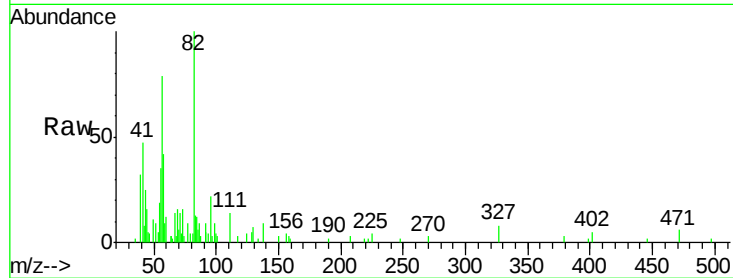
Tgt Ion: 82 Resp: 15239

Ion Ratio Lower Upper

82 100

95 21.7 7.8 11.6#

138 8.5 12.2 18.2#



#28

Naphthalene

Concen: 32.04 ng/ul

RT: 11.05 min Scan# 1398

Delta R.T. -0.00 min

Lab File: BG025671.D

Acq: 26 Jan 2017 17:55

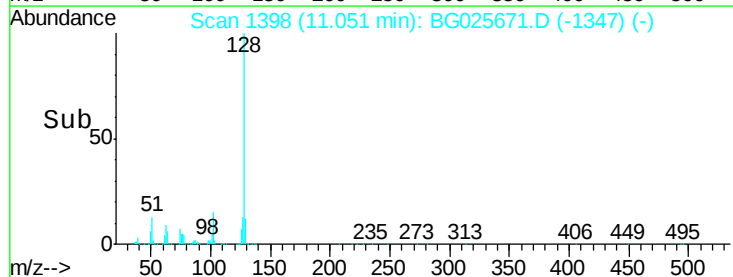
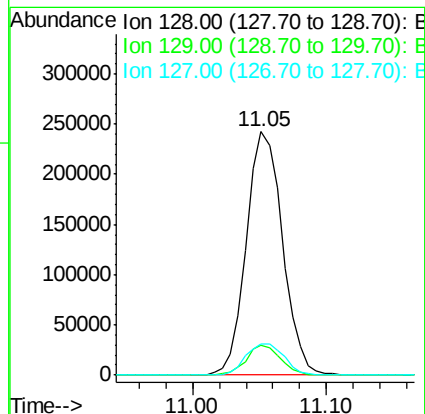
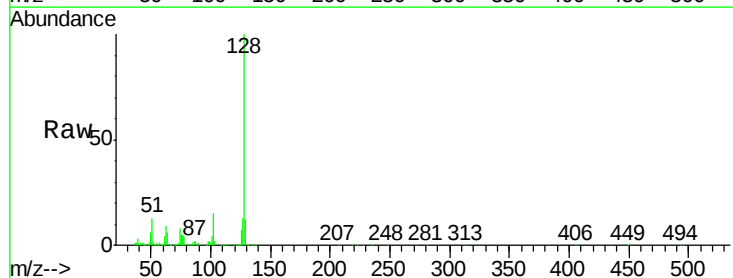
Tgt Ion: 128 Resp: 453187

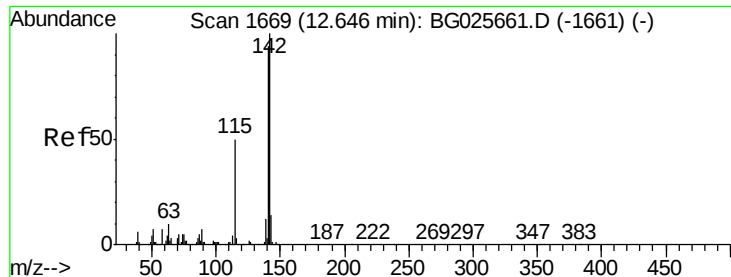
Ion Ratio Lower Upper

128 100

129 12.4 9.4 14.2

127 13.0 10.3 15.5

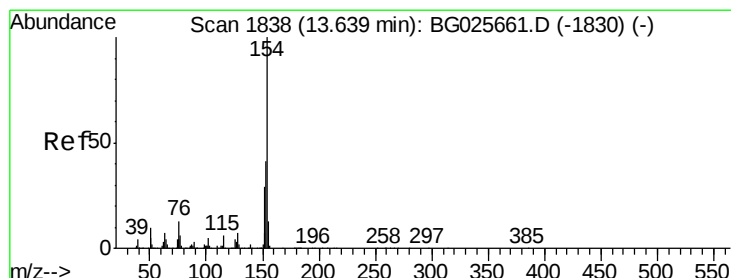
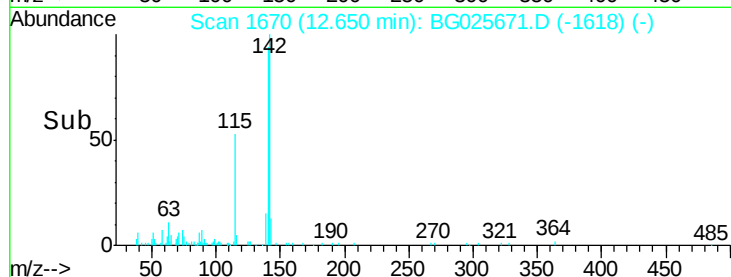
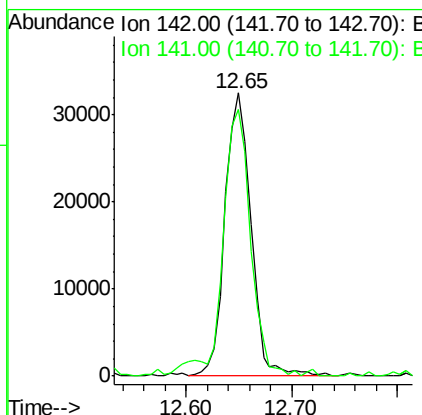
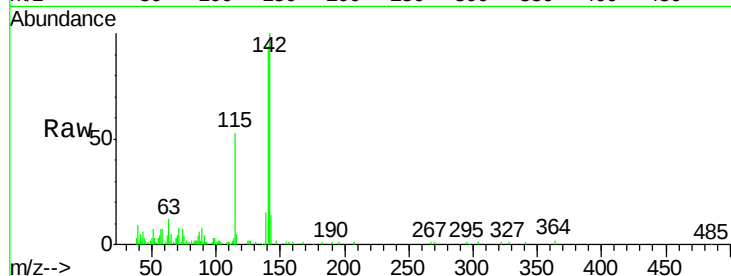




#34  
 2-Methylnaphthalene  
 Concen: 4.80 ng/ul  
 RT: 12.65 min Scan# 1670  
 Delta R.T. 0.00 min  
 Lab File: BG025671.D  
 Acq: 26 Jan 2017 17:55

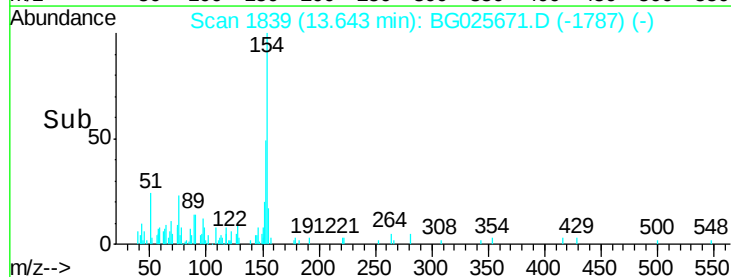
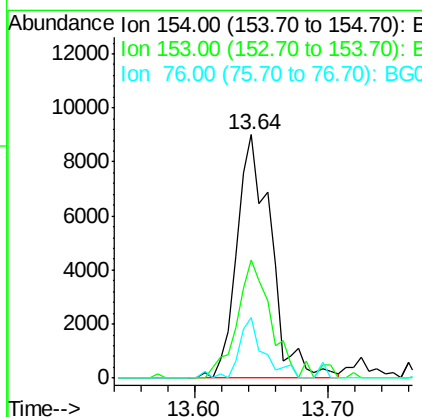
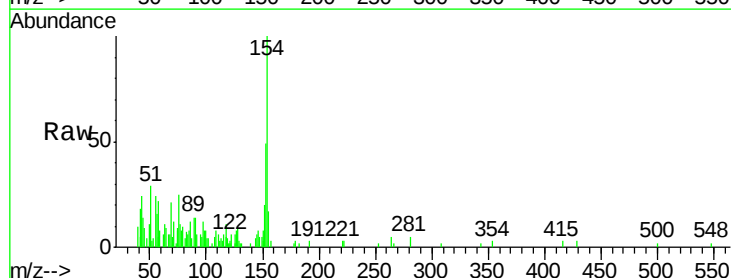
Instrument :  
 BNA\_G  
 ClientSampleId :  
 DA9R3DL

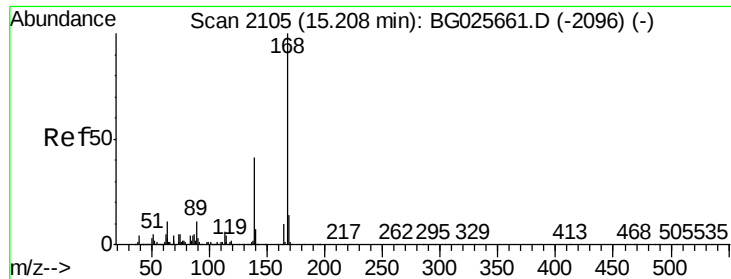
Tgt Ion:142 Resp: 55460  
 Ion Ratio Lower Upper  
 142 100  
 141 94.2 68.6 102.8



#40  
 1,1'-Biphenyl  
 Concen: 1.02 ng/ul  
 RT: 13.64 min Scan# 1839  
 Delta R.T. 0.00 min  
 Lab File: BG025671.D  
 Acq: 26 Jan 2017 17:55

Tgt Ion:154 Resp: 15907  
 Ion Ratio Lower Upper  
 154 100  
 153 48.6 32.2 48.2#  
 76 25.1 9.6 14.4#





#53

Dibenzofuran

Concen: 2.67 ng/ul

RT: 15.21 min Scan# 2105

Delta R.T. -0.00 min

Lab File: BG025671.D

Acq: 26 Jan 2017 17:55

Instrument :

BNA\_G

ClientSampleId :

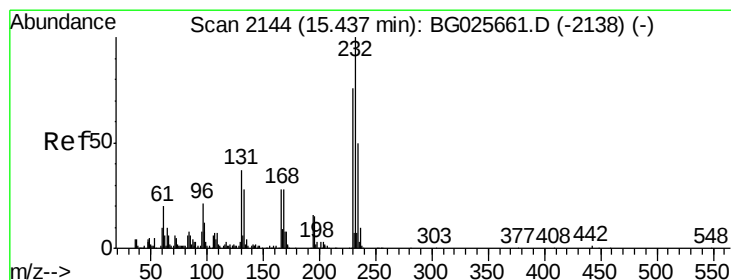
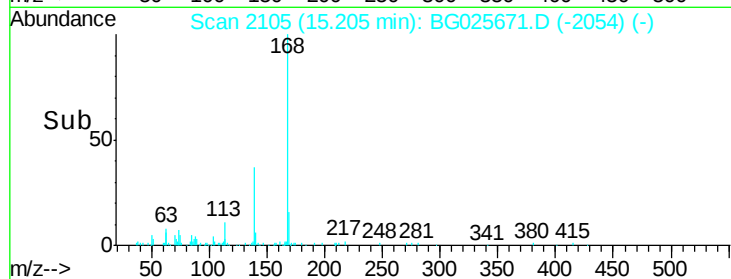
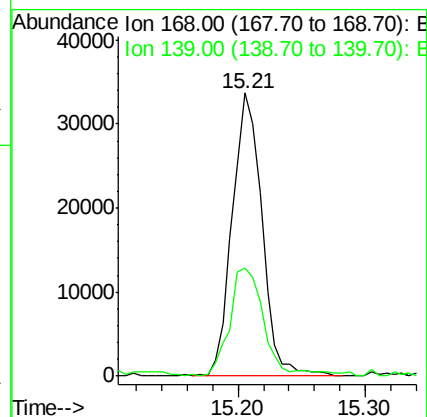
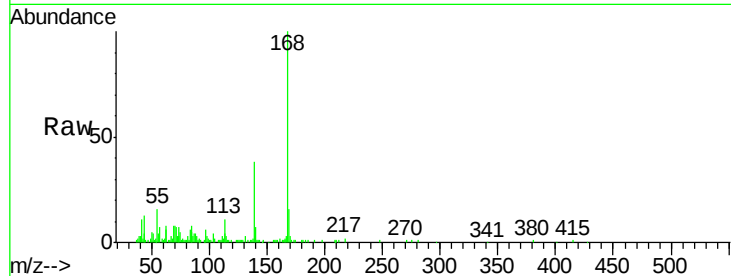
DA9R3DL

Tgt Ion:168 Resp: 54514

Ion Ratio Lower Upper

168 100

139 38.0 33.8 50.8



#55

2,3,4,6-Tetrachlorophenol

Concen: 30.43 ng/ul

RT: 15.42 min Scan# 2141

Delta R.T. -0.02 min

Lab File: BG025671.D

Acq: 26 Jan 2017 17:55

Tgt Ion:232 Resp: 154320

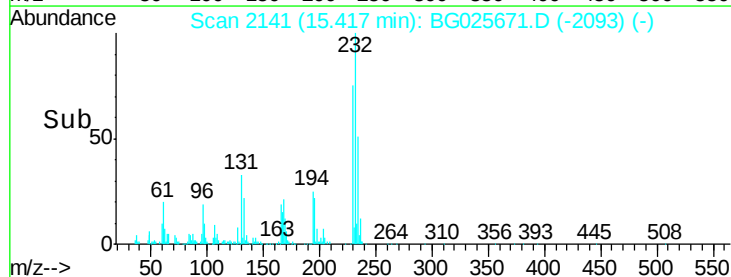
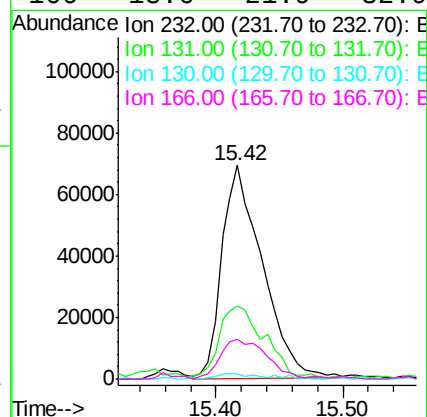
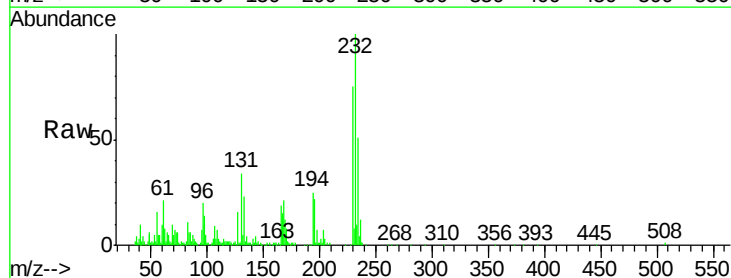
Ion Ratio Lower Upper

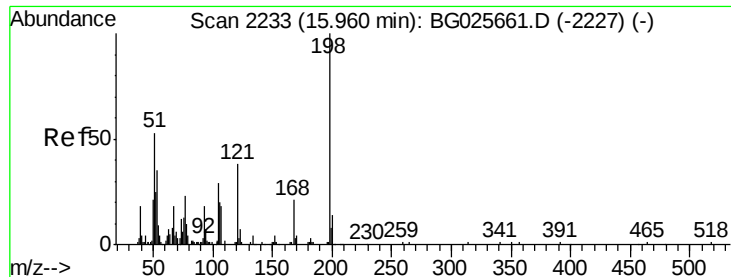
232 100

131 34.4 33.3 49.9

130 2.3 1.8 2.6

166 18.6 21.9 32.9#

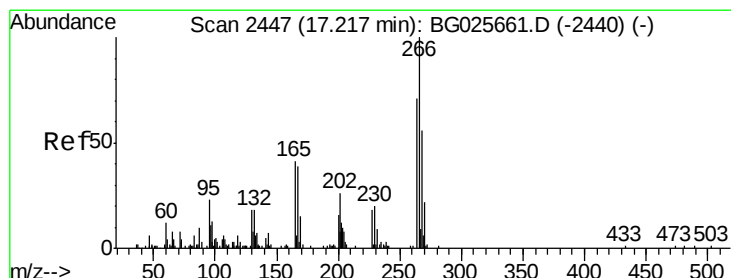
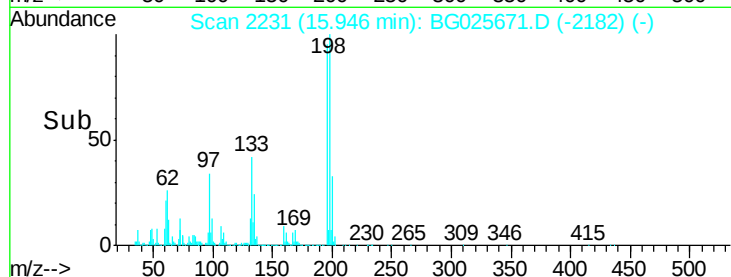
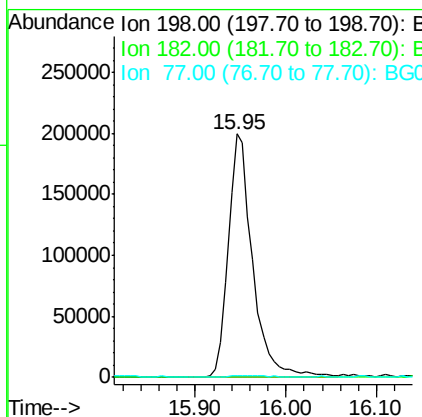
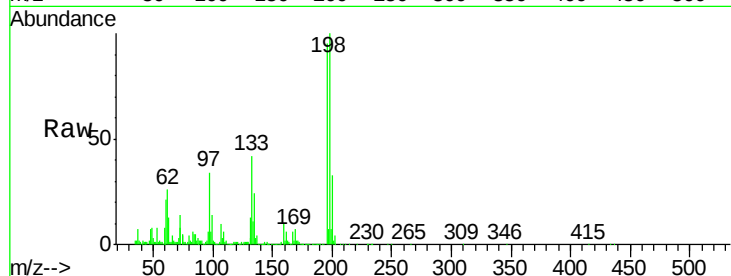




#63  
 4,6-Dinitro-2-methylphenol  
 Concen: 110.38 ng/ul  
 RT: 15.95 min Scan# 2231  
 Delta R.T. -0.01 min  
 Lab File: BG025671.D  
 Acq: 26 Jan 2017 17:55

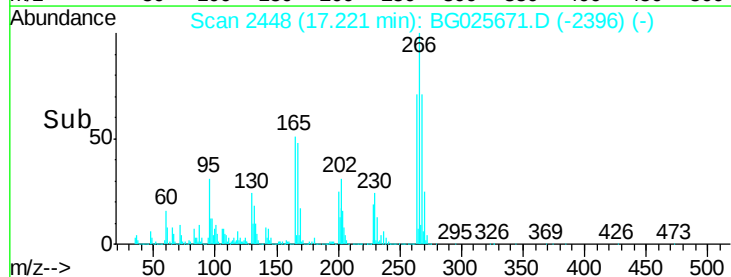
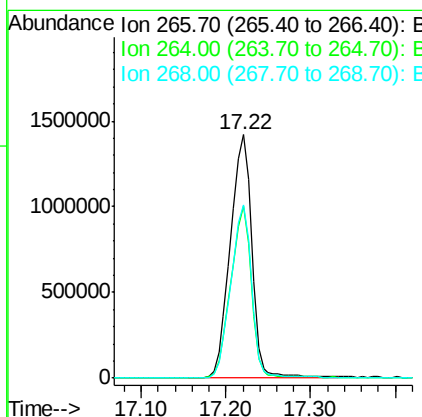
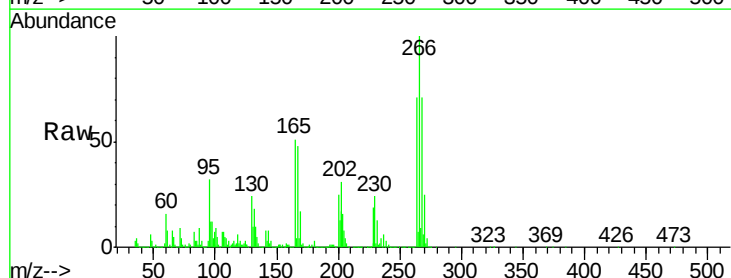
Instrument :  
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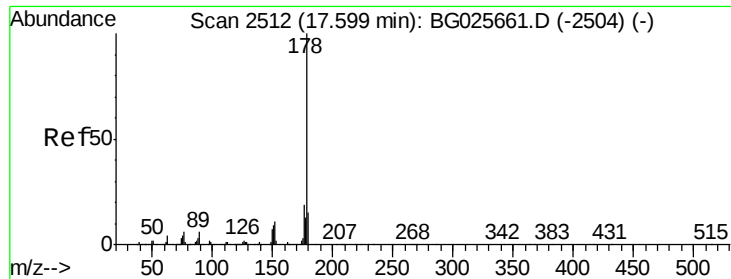
Tgt Ion:198 Resp: 371004  
 Ion Ratio Lower Upper  
 198 100  
 182 0.2 5.8 6.4#  
 77 0.9 22.1 33.9#



#68  
 Pentachlorophenol  
 Concen: 861.87 ng/ul  
 RT: 17.22 min Scan# 2448  
 Delta R.T. 0.00 min  
 Lab File: BG025671.D  
 Acq: 26 Jan 2017 17:55

Tgt Ion:266 Resp: 2499246  
 Ion Ratio Lower Upper  
 266 100  
 264 70.6 47.1 70.7  
 268 71.2 56.2 84.4





#69

Phenanthrene

Concen: 1.92 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. -0.00 min

Lab File: BG025671.D

Acq: 26 Jan 2017 17:55

Instrument :

BNA\_G

ClientSampleId :

DA9R3DL

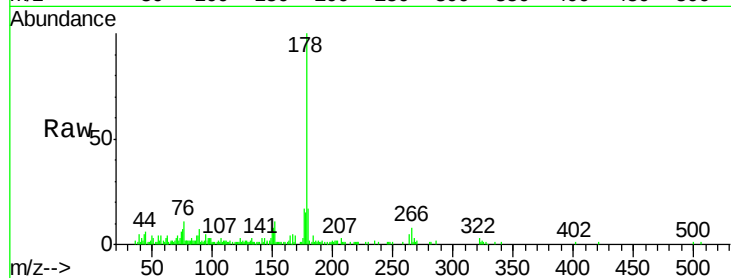
Tgt Ion:178 Resp: 49354

Ion Ratio Lower Upper

178 100

179 17.4 12.4 18.6

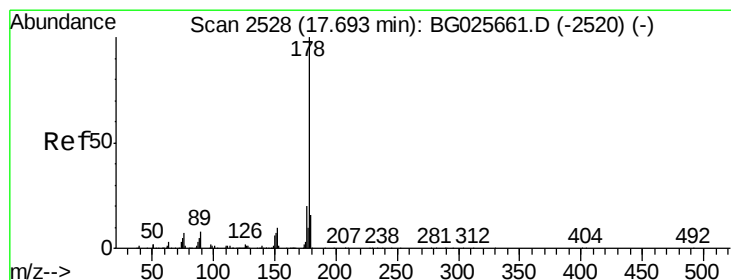
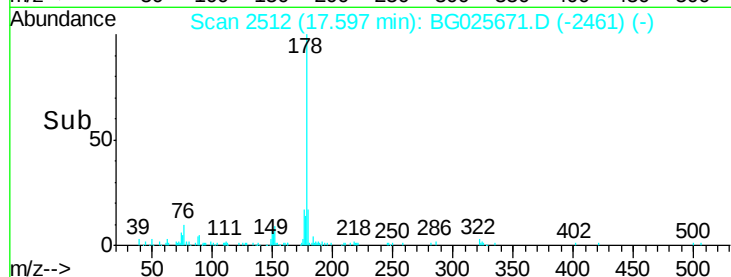
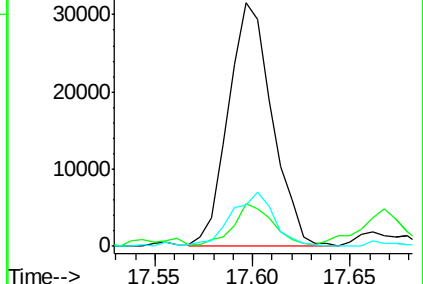
176 17.0 16.5 24.7



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



#71

Anthracene

Concen: 1.91 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. -0.10 min

Lab File: BG025671.D

Acq: 26 Jan 2017 17:55

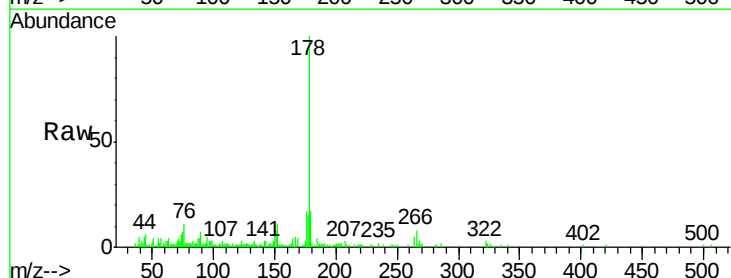
Tgt Ion:178 Resp: 49354

Ion Ratio Lower Upper

178 100

179 17.4 12.6 19.0

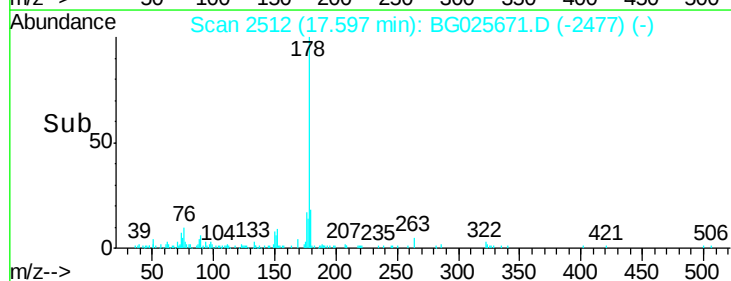
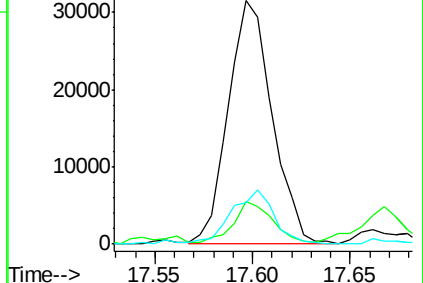
176 17.0 15.9 23.9

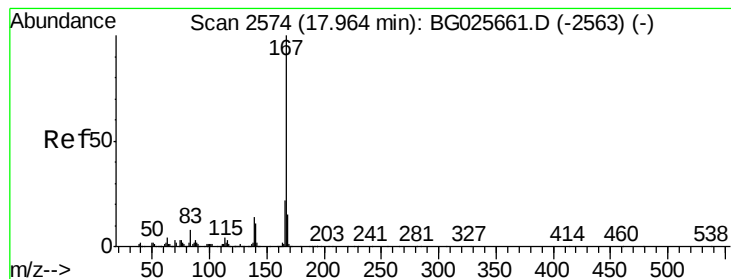


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 2.76 ng/ul

RT: 17.97 min Scan# 2575

Delta R.T. 0.00 min

Lab File: BG025671.D

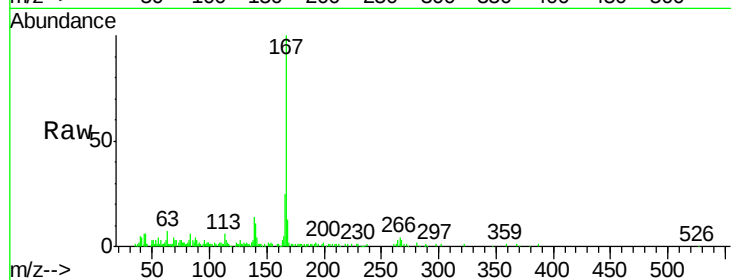
Acq: 26 Jan 2017 17:55

Instrument :

BNA\_G

ClientSampleId :

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Tgt Ion:167 Resp: 59204

Ion Ratio Lower Upper

167 100

166 25.3 17.9 26.9

139 13.9 10.5 15.7

