

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120916\  
 Data File : BG025059.D  
 Acq On : 10 Dec 2016 7:06  
 Operator : UM/SJ  
 Sample : H5863-06  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DA7Y5

Quant Time: Dec 12 03:15:29 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Dec 12 03:10:41 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.24  | 152  | 138222   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.07 | 136  | 574716   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.86 | 164  | 450952   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.61 | 188  | 911226   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.89 | 240  | 1160873  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.32 | 264  | 1173607  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.60  | 96  | 7760    | 2.90  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.39  | 99  | 208983  | 17.53 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.55  | 67  | 133186  | 18.05 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.77  | 132 | 147108  | 17.64 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.94  | 113 | 169931  | 17.05 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.42  | 128 | 83522   | 20.52 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.14 | 143 | 98006   | 19.32 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.68 | 165 | 190710  | 19.55 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.21 | 131 | 30572   | 3.19  | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6       | 14.26 | 166 | 597192  | 19.25 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.56 | 160 | 700649  | 20.62 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.06 | 143 | 77723   | 14.58 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.85 | 176 | 555531  | 19.03 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.97 | 200 | 103220  | 18.32 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.71 | 188 | 818023  | 21.27 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.97 | 212 | 1003010 | 20.98 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.08 | 264 | 1049107 | 22.06 | ng/ul | 0.01 |

## Target Compounds

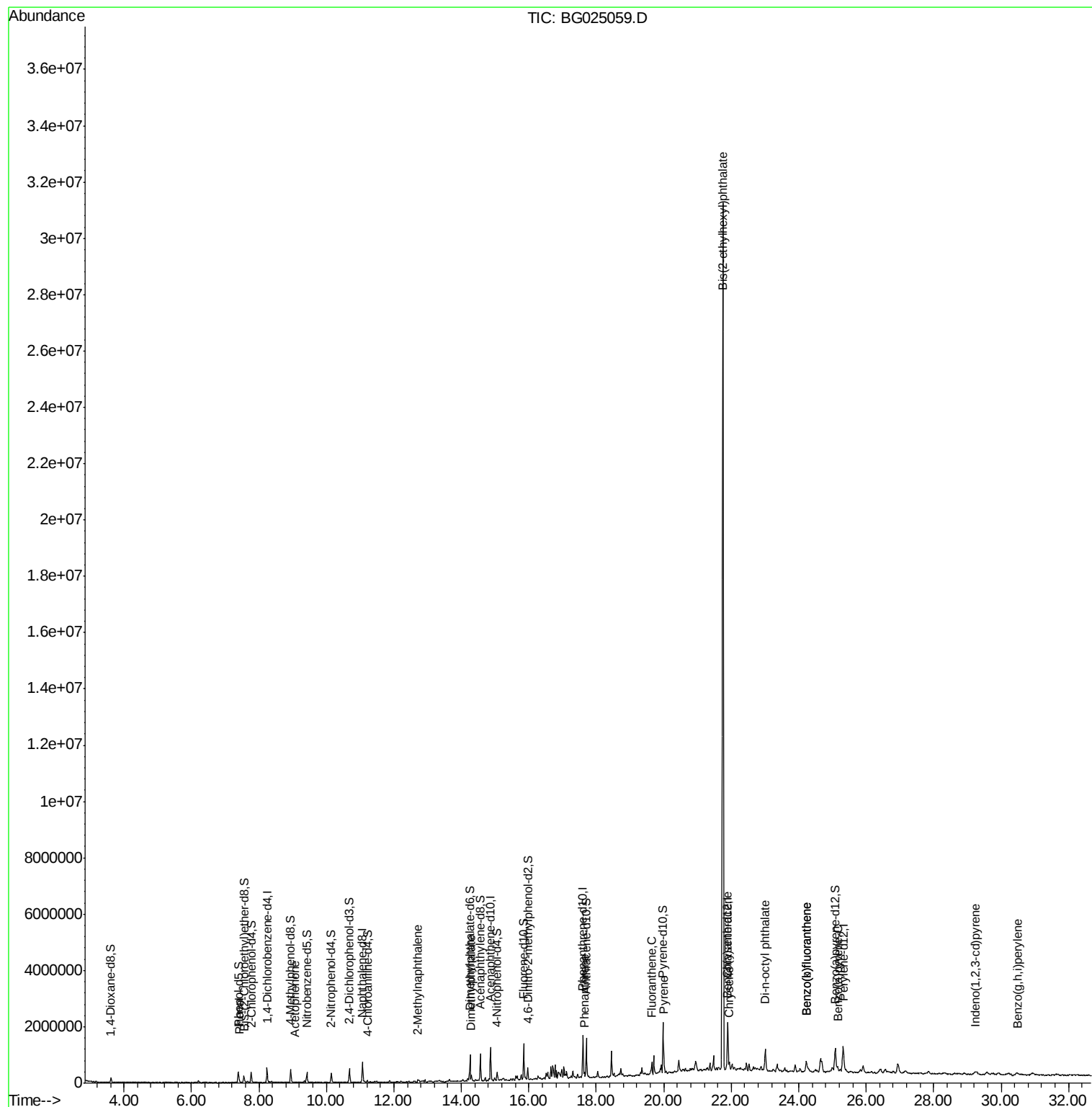
|                                |       |     |         |               | Qvalue |
|--------------------------------|-------|-----|---------|---------------|--------|
| 6) Phenol                      | 7.42  | 94  | 43845   | 3.58 ng/ul#   | 91     |
| 14) Acetophenone               | 9.08  | 105 | 17204   | 1.13 ng/ul#   | 75     |
| 34) 2-Methylnaphthalene        | 12.71 | 142 | 36018   | 1.71 ng/ul    | 84     |
| 44) Dimethylphthalate          | 14.30 | 163 | 116073  | 3.81 ng/ul    | 97     |
| 69) Phenanthrene               | 17.65 | 178 | 131213  | 3.02 ng/ul#   | 94     |
| 74) Fluoranthene               | 19.64 | 202 | 289875  | 5.61 ng/ul    | 97     |
| 77) Pyrene                     | 20.00 | 202 | 274659  | 4.92 ng/ul#   | 96     |
| 80) Benzo(a)anthracene         | 21.88 | 228 | 202898  | 3.36 ng/ul    | 98     |
| 81) Bis(2-ethylhexyl)phthalate | 21.75 | 149 | 8138105 | 270.61 ng/ul# | 8      |
| 82) Chrysene                   | 21.94 | 228 | 230681  | 4.09 ng/ul    | 98     |
| 84) Di-n-octyl phthalate       | 23.00 | 149 | 766171  | 16.08 ng/ul   | 100    |
| 85) Benzo(b)fluoranthene       | 24.22 | 252 | 424363  | 7.29 ng/ul    | 99     |
| 86) Benzo(k)fluoranthene       | 24.22 | 252 | 126924  | 2.29 ng/ul    | 99     |
| 88) Benzo(a)pyrene             | 25.16 | 252 | 216632  | 3.87 ng/ul#   | 87     |
| 89) Indeno(1,2,3-cd)pyrene     | 29.23 | 276 | 161558  | 2.32 ng/ul#   | 94     |
| 91) Benzo(g,h,i)perylene       | 30.48 | 276 | 143382  | 2.47 ng/ul    | 96     |

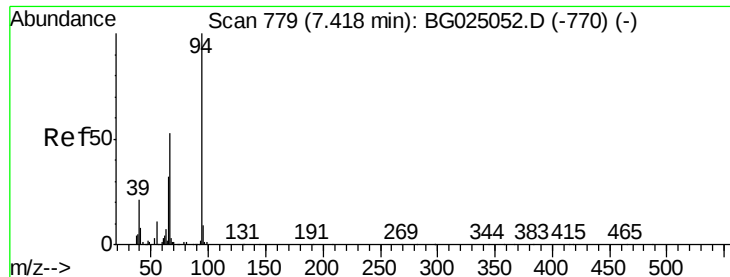
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Mon Dec 12 03:10:41 2016  
Response via : Initial Calibration





#6

Phenol

Concen: 3.58 ng/ul

RT: 7.42 min Scan# 779

Delta R.T. -0.00 min

Lab File: BG025059.D

Acq: 10 Dec 2016 7:06

Instrument :

BNA\_G

ClientSampleId :

DA7Y5

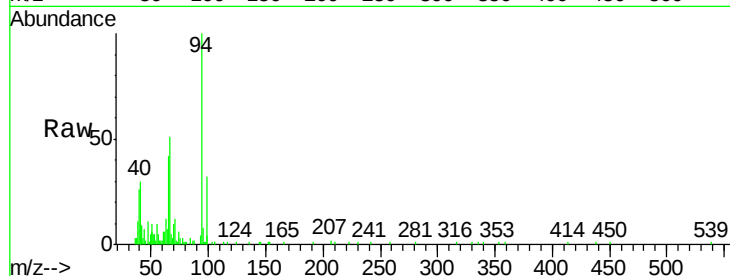
Tgt Ion: 94 Resp: 43845

Ion Ratio Lower Upper

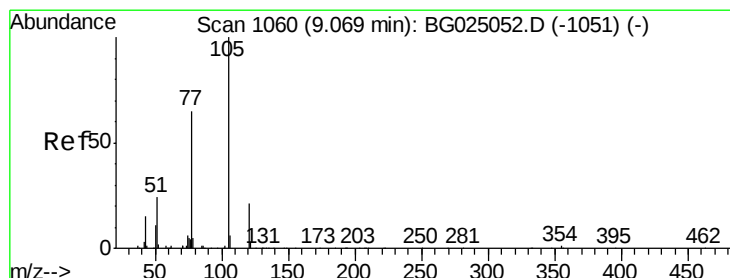
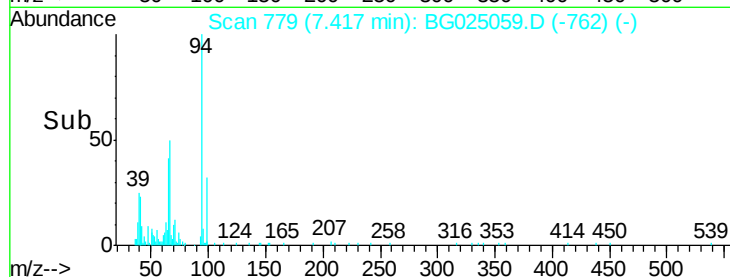
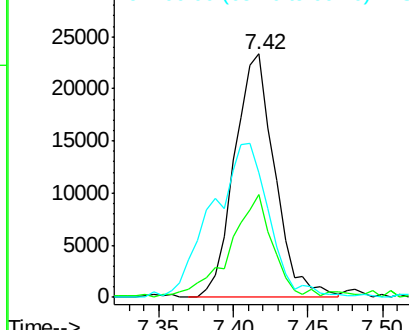
94 100

65 42.2 26.8 40.2#

66 51.3 44.4 66.6



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



#14

Acetophenone

Concen: 1.13 ng/ul

RT: 9.08 min Scan# 1062

Delta R.T. 0.01 min

Lab File: BG025059.D

Acq: 10 Dec 2016 7:06

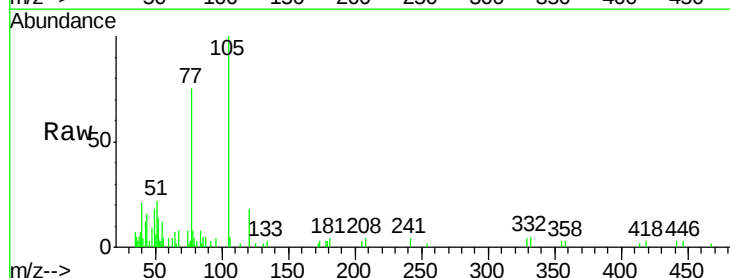
Tgt Ion: 105 Resp: 17204

Ion Ratio Lower Upper

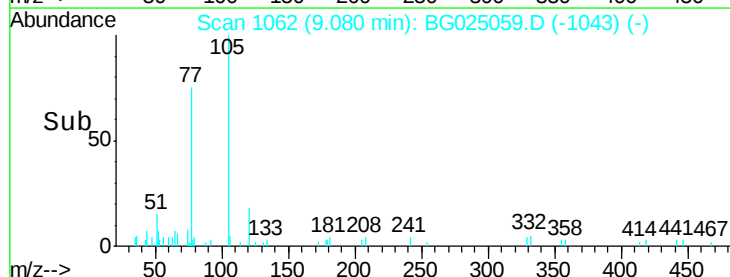
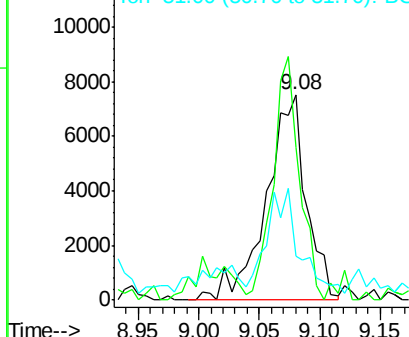
105 100

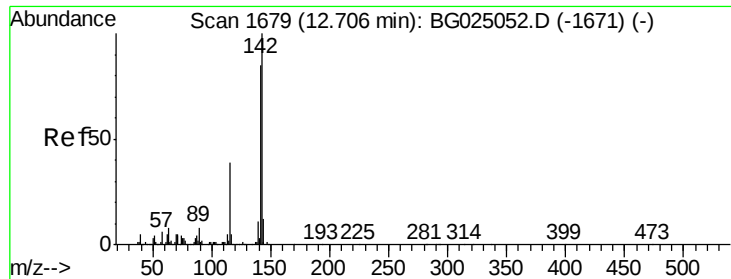
77 74.6 76.0 114.0#

51 21.7 34.8 52.2#



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

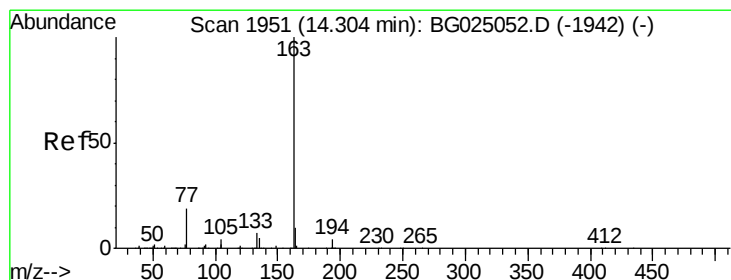
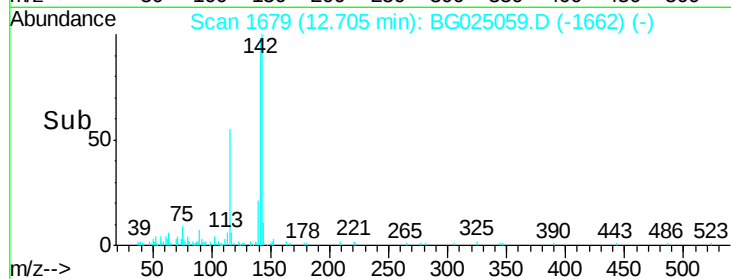
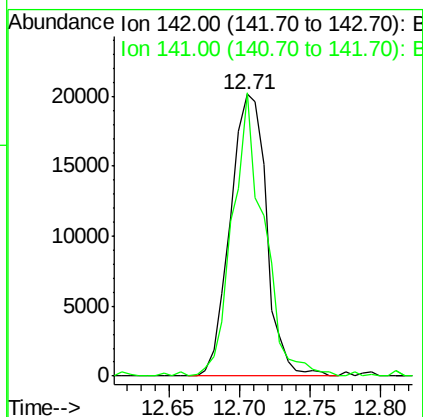
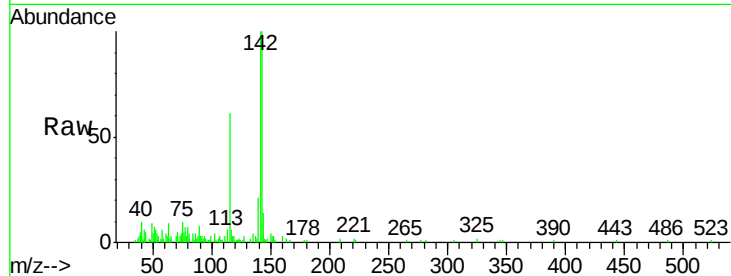




#34  
 2-Methylnaphthalene  
 Concen: 1.71 ng/ul  
 RT: 12.71 min Scan# 1679  
 Delta R.T. -0.00 min  
 Lab File: BG025059.D  
 Acq: 10 Dec 2016 7:06

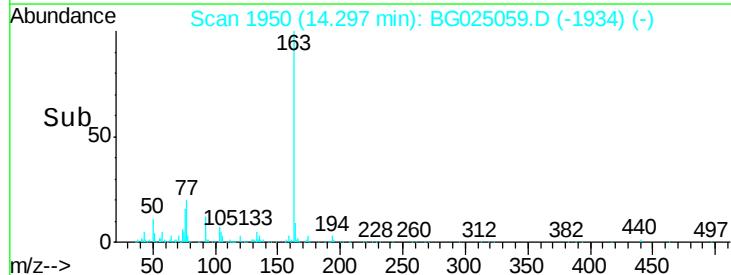
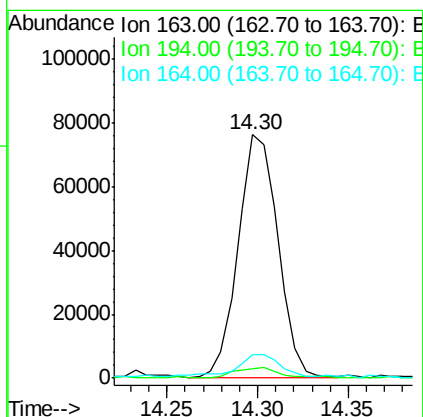
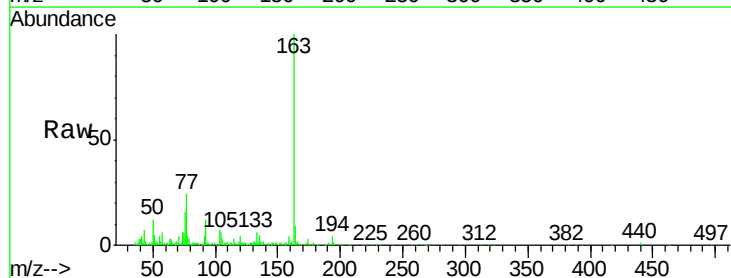
Instrument :  
 BNA\_G  
 ClientSampleId :  
 DA7Y5

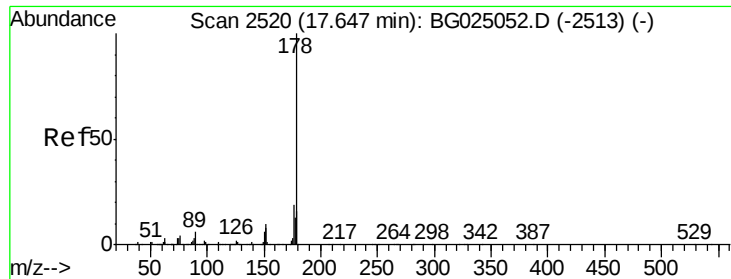
Tgt Ion:142 Resp: 36018  
 Ion Ratio Lower Upper  
 142 100  
 141 100.4 68.6 102.8



#44  
 Dimethylphthalate  
 Concen: 3.81 ng/ul  
 RT: 14.30 min Scan# 1950  
 Delta R.T. -0.01 min  
 Lab File: BG025059.D  
 Acq: 10 Dec 2016 7:06

Tgt Ion:163 Resp: 116073  
 Ion Ratio Lower Upper  
 163 100  
 194 4.1 3.4 5.0  
 164 9.5 9.0 13.4





#69

Phenanthrene

Concen: 3.02 ng/ul

RT: 17.65 min Scan# 2520

Delta R.T. -0.00 min

Lab File: BG025059.D

Acq: 10 Dec 2016 7:06

Instrument :

BNA\_G

ClientSampleId :

DA7Y5

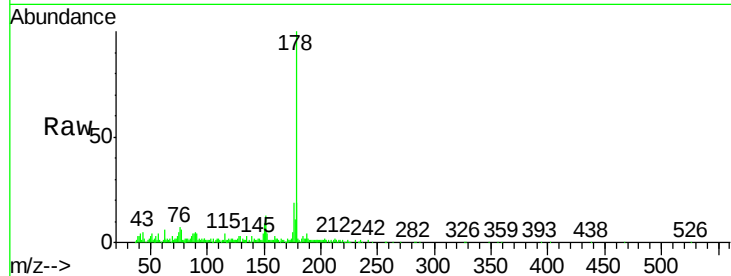
Tgt Ion:178 Resp: 131213

Ion Ratio Lower Upper

178 100

179 19.2 12.4 18.6#

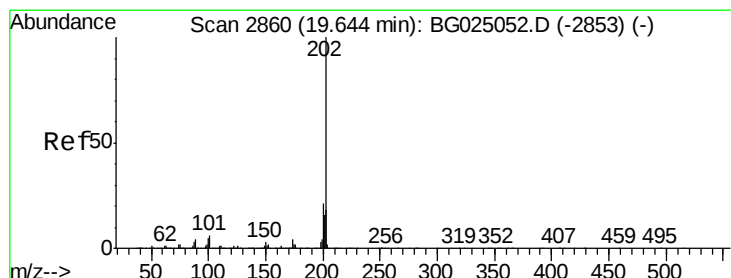
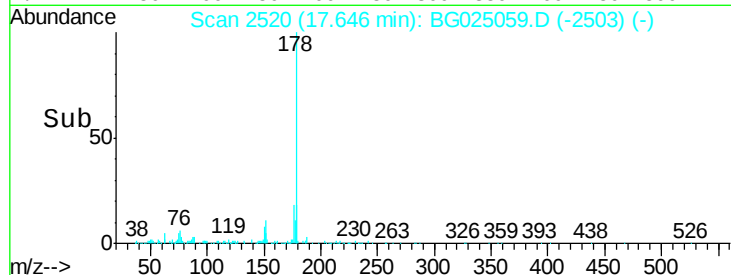
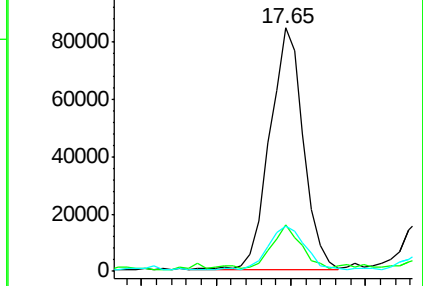
176 18.7 16.5 24.7



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



#74

Fluoranthene

Concen: 5.61 ng/ul

RT: 19.64 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BG025059.D

Acq: 10 Dec 2016 7:06

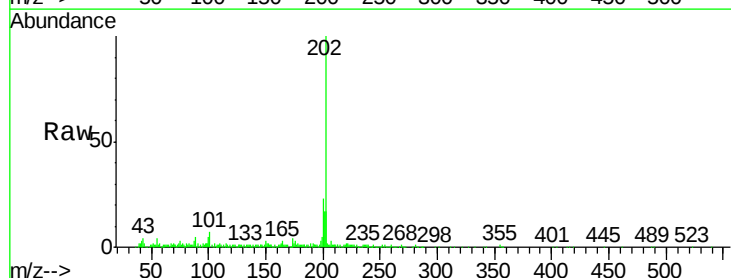
Tgt Ion:202 Resp: 289875

Ion Ratio Lower Upper

202 100

101 6.8 6.2 9.2

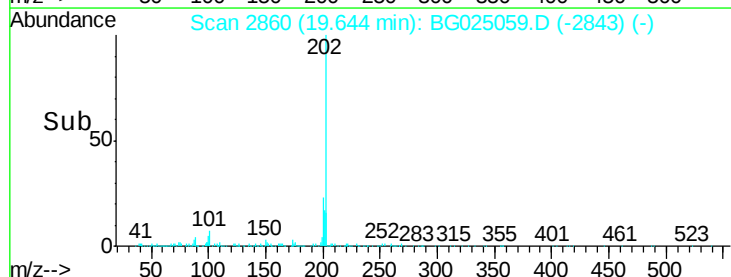
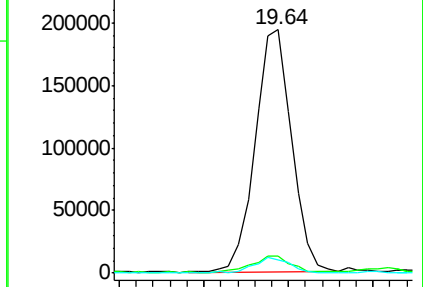
100 5.3 5.2 7.8

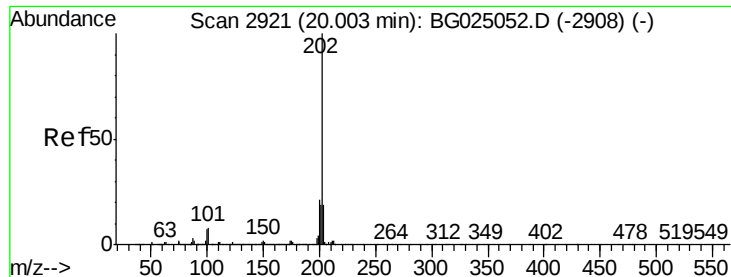


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 4.92 ng/ul

RT: 20.00 min Scan# 2921

Delta R.T. -0.00 min

Lab File: BG025059.D

Acq: 10 Dec 2016 7:06

Instrument :

BNA\_G

ClientSampleId :

DA7Y5

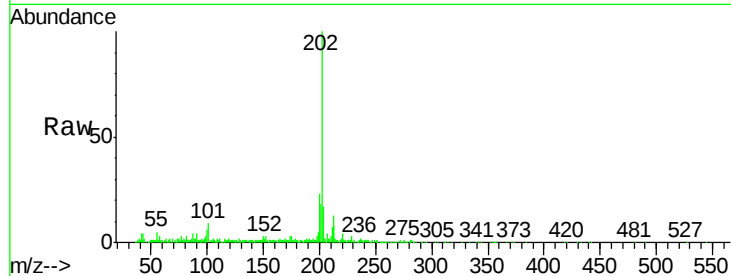
Tgt Ion: 202 Resp: 274659

Ion Ratio Lower Upper

202 100

101 9.3 6.9 10.3

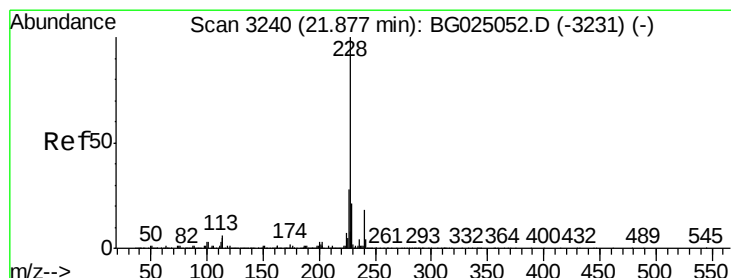
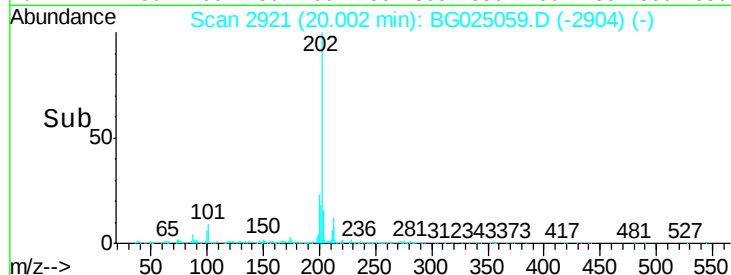
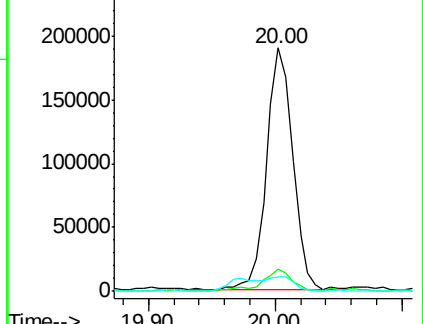
100 5.8 6.6 10.0#



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



#80

Benzo(a)anthracene

Concen: 3.36 ng/ul

RT: 21.88 min Scan# 3240

Delta R.T. -0.00 min

Lab File: BG025059.D

Acq: 10 Dec 2016 7:06

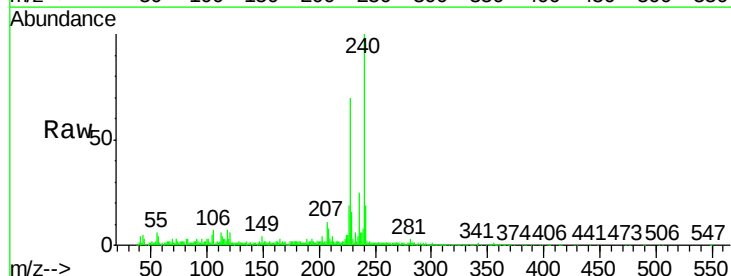
Tgt Ion: 228 Resp: 202898

Ion Ratio Lower Upper

228 100

229 22.8 16.3 24.5

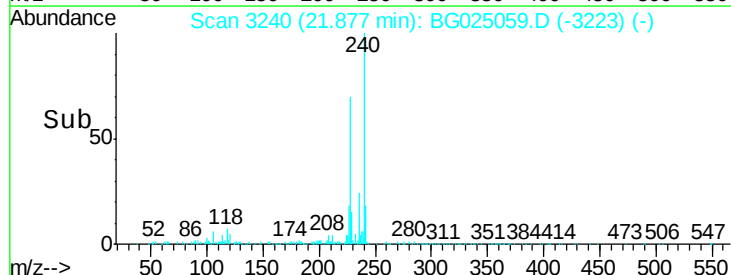
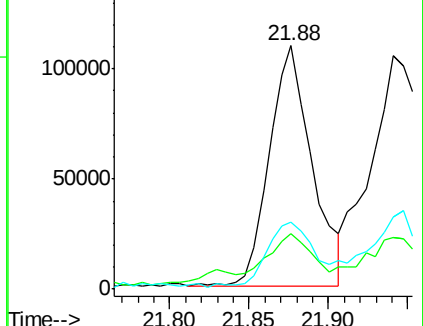
226 27.3 21.9 32.9

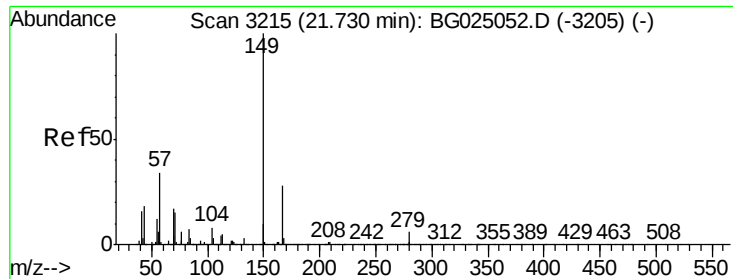


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 270.61 ng/ul

RT: 21.75 min Scan# 3219

Delta R.T. 0.02 min

Lab File: BG025059.D

Acq: 10 Dec 2016 7:06

Instrument :

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ClientSampleId :

DA7Y5

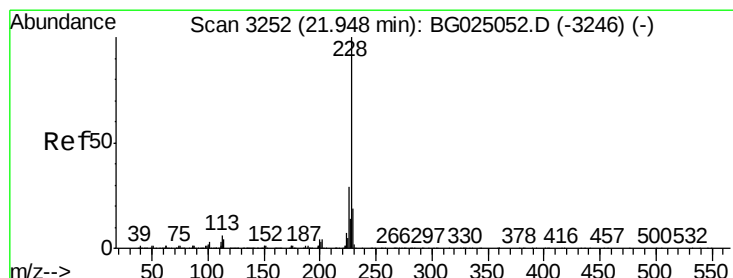
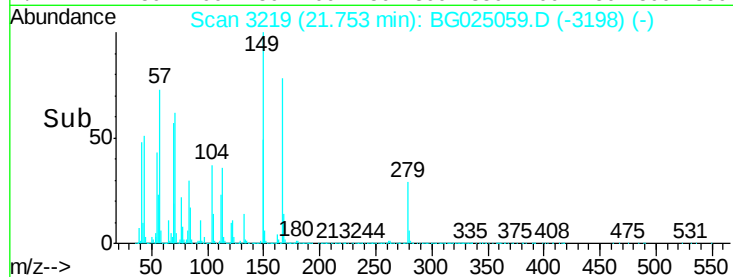
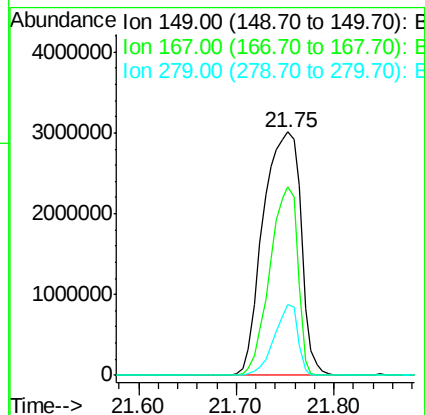
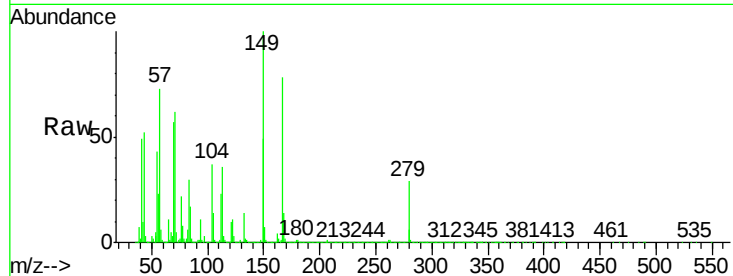
Tgt Ion:149 Resp: 8138105

Ion Ratio Lower Upper

149 100

167 77.7 21.8 32.8#

279 29.0 4.5 6.7#



#82

Chrysene

Concen: 4.09 ng/ul

RT: 21.94 min Scan# 3251

Delta R.T. -0.01 min

Lab File: BG025059.D

Acq: 10 Dec 2016 7:06

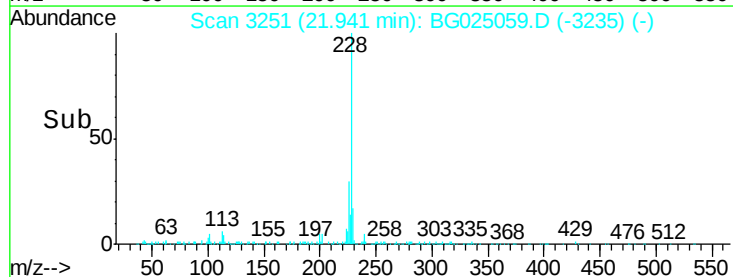
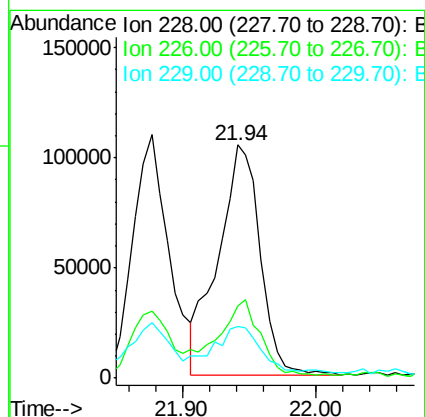
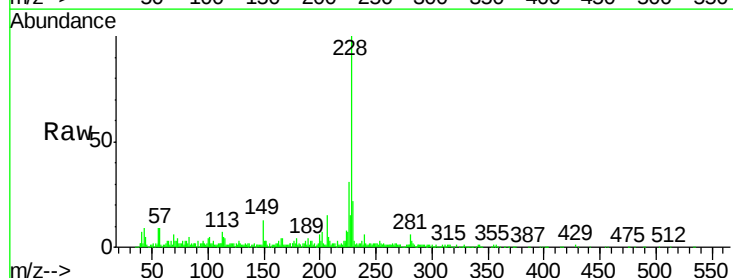
Tgt Ion:228 Resp: 230681

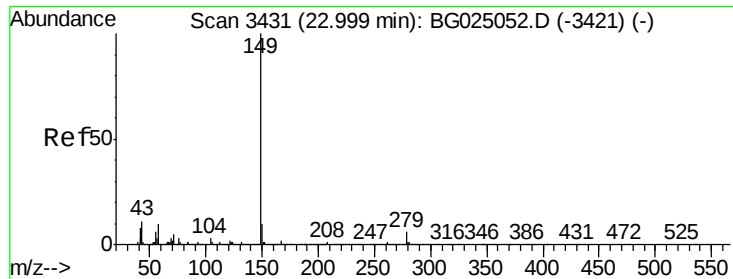
Ion Ratio Lower Upper

228 100

226 30.9 24.0 36.0

229 22.3 16.9 25.3





#84

Di-n-octyl phthalate

Concen: 16.08 ng/ul

RT: 23.00 min Scan# 3432

Delta R.T. 0.01 min

Lab File: BG025059.D

Acq: 10 Dec 2016 7:06

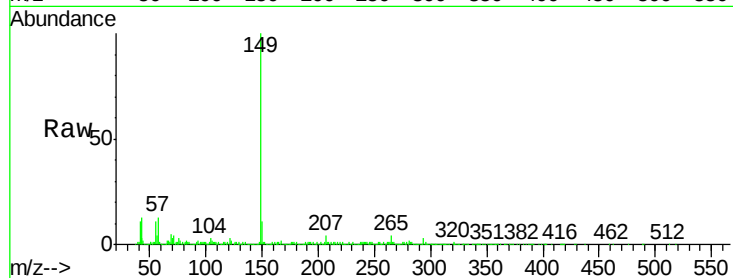
Instrument :

BNA\_G

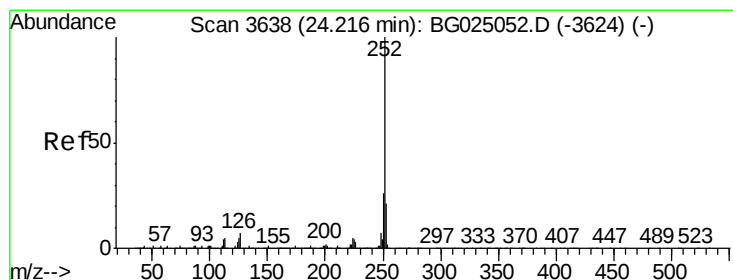
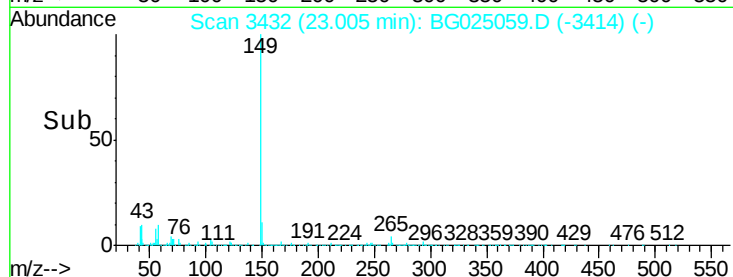
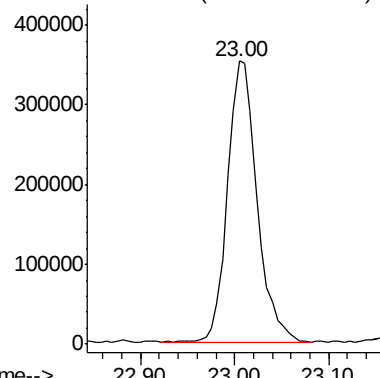
ClientSampleId :

DA7Y5

Tgt Ion:149 Resp: 766171



Abundance Ion 149.00 (148.70 to 149.70): E



#85

Benzo(b)fluoranthene

Concen: 7.29 ng/ul

RT: 24.22 min Scan# 3639

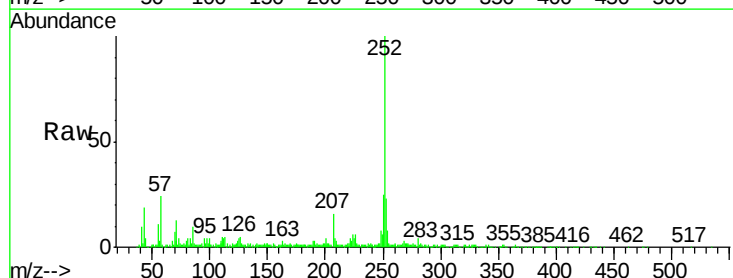
Delta R.T. 0.01 min

Lab File: BG025059.D

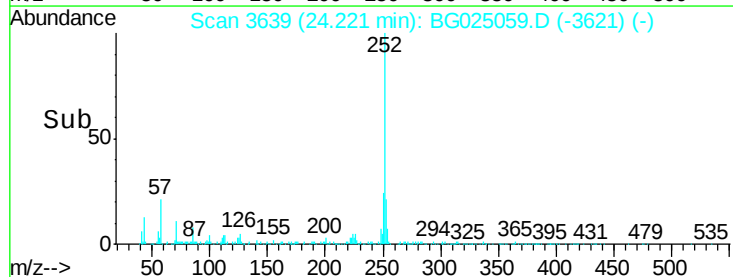
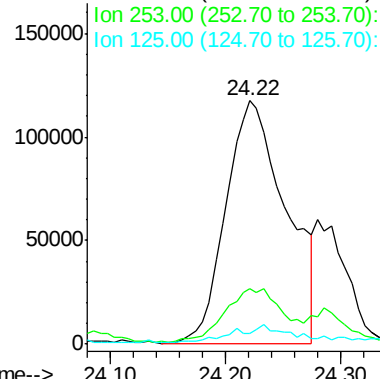
Acq: 10 Dec 2016 7:06

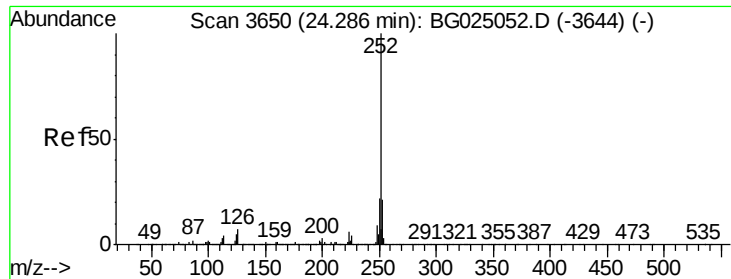
Tgt Ion:252 Resp: 424363

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.7  | 17.7  | 26.5  |
| 125 | 4.3   | 4.0   | 6.0   |



Abundance Ion 252.00 (251.70 to 252.70): E

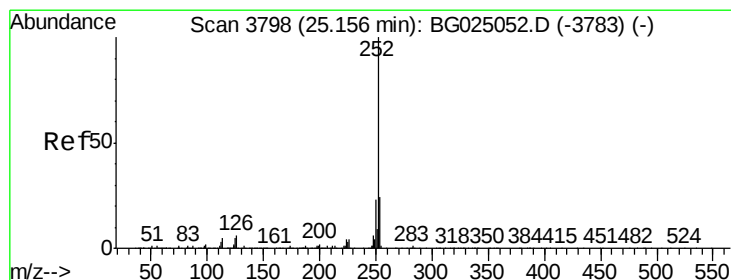
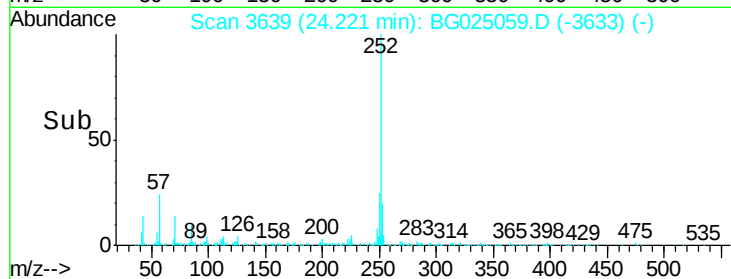
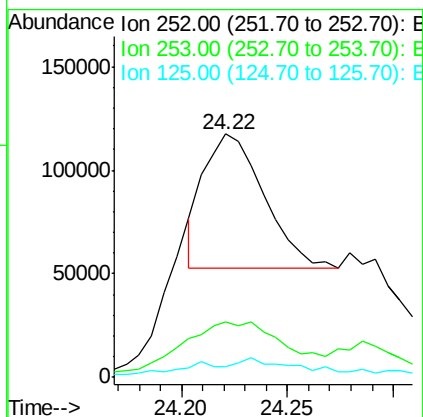
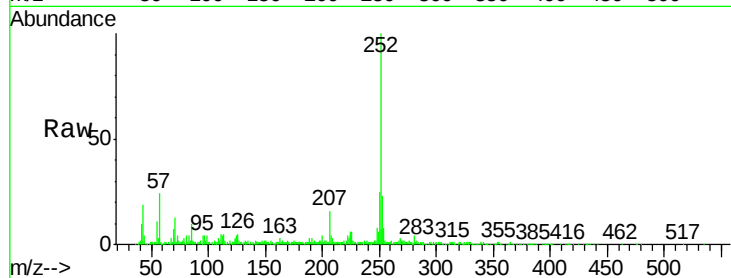




#86  
Benzo(k)fluoranthene  
Concen: 2.29 ng/ul  
RT: 24.22 min Scan# 3639  
Delta R.T. -0.07 min  
Lab File: BG025059.D  
Acq: 10 Dec 2016 7:06

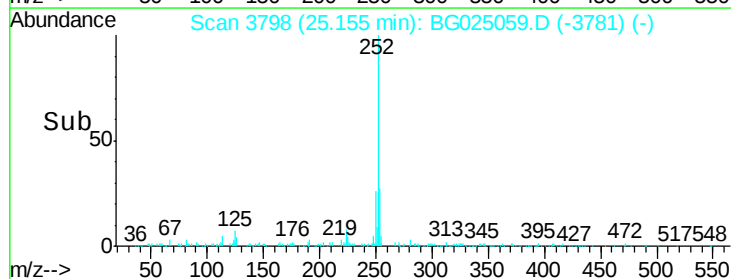
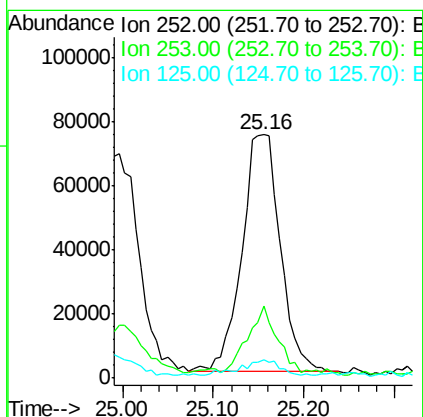
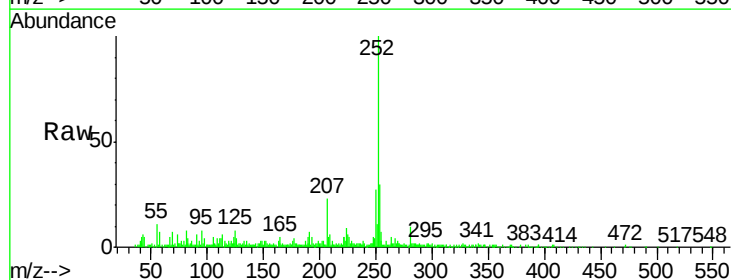
Instrument :  
BNA\_G  
ClientSampleId :  
DA7Y5

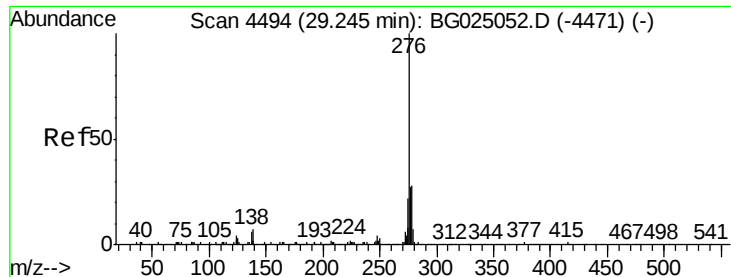
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 18.5  | 27.7  |
| 125     | 4.3   | 4.1   | 6.1   |



#88  
Benzo(a)pyrene  
Concen: 3.87 ng/ul  
RT: 25.16 min Scan# 3798  
Delta R.T. -0.00 min  
Lab File: BG025059.D  
Acq: 10 Dec 2016 7:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 29.7  | 17.8  | 26.6# |
| 125     | 7.6   | 5.4   | 8.0   |





#89

Indeno(1,2,3-cd)pyrene

Concen: 2.32 ng/ul

RT: 29.23 min Scan# 4492

Delta R.T. -0.01 min

Lab File: BG025059.D

Acq: 10 Dec 2016 7:06

Instrument :

BNA\_G

ClientSampleId :

DA7Y5

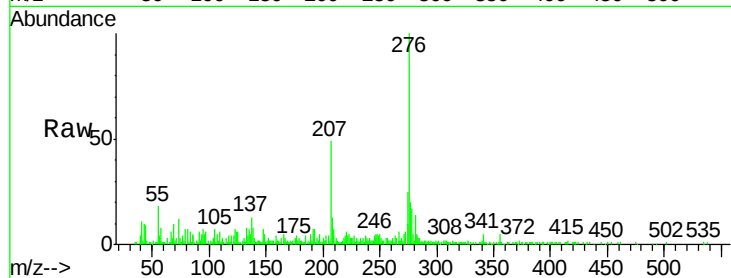
Tgt Ion:276 Resp: 161558

Ion Ratio Lower Upper

276 100

138 7.6 8.2 12.4#

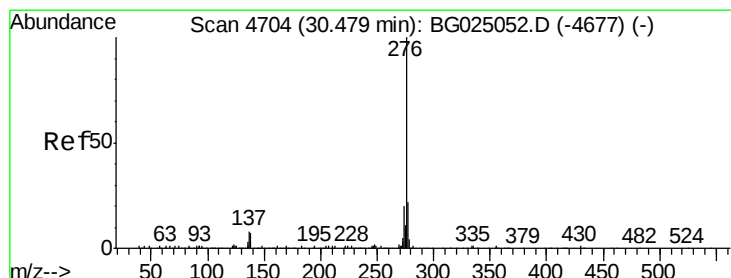
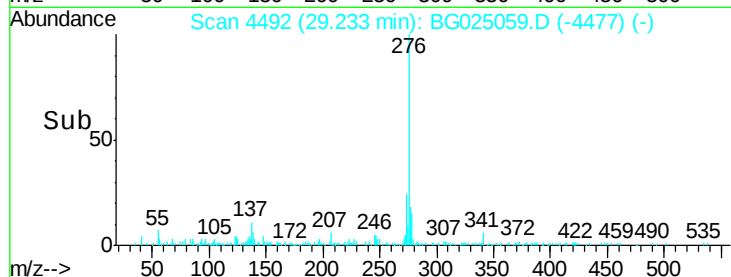
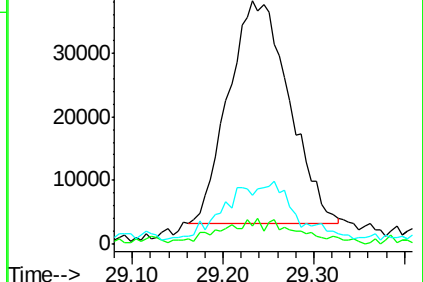
277 20.3 18.6 28.0



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



#91

Benzo(g,h,i)perylene

Concen: 2.47 ng/ul

RT: 30.48 min Scan# 4705

Delta R.T. 0.01 min

Lab File: BG025059.D

Acq: 10 Dec 2016 7:06

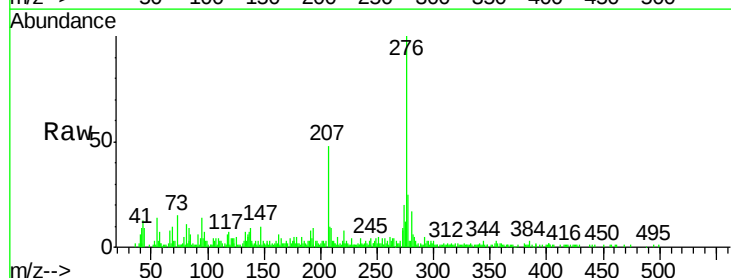
Tgt Ion:276 Resp: 143382

Ion Ratio Lower Upper

276 100

138 11.2 8.6 12.8

277 24.7 17.6 26.4



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

