

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG051016\  
 Data File : BG021817.D  
 Acq On : 10 May 2016 15:23  
 Operator : UM/SJ  
 Sample : H2938-08  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 D9XA6

Quant Time: May 11 03:31:12 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG050916.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 11 02:37:33 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.18  | 152  | 81944    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.00 | 136  | 429308   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.80 | 164  | 250321   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.54 | 188  | 494689   | 20.00 | ng/ul | 0.00     |
| 76) Chrysene-d12          | 21.83 | 240  | 485113   | 20.00 | ng/ul | 0.00     |
| 84) Perylene-d12          | 25.16 | 264  | 471215   | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.57  | 96  | 7171   | 4.22  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.33  | 99  | 134950 | 22.19 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.50  | 67  | 68274  | 22.64 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.71  | 132 | 128739 | 27.28 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.88  | 113 | 74951  | 14.68 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.35  | 128 | 68128  | 24.14 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.08 | 143 | 59385  | 33.31 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.81 | 165 | 154    | 0.03  | ng/ul | 0.19 |
| 29) 4-Chloroaniline-d4         | 11.13 | 131 | 89741  | 16.53 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.20 | 166 | 431784 | 24.56 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.49 | 160 | 581770 | 23.31 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.99 | 143 | 50823  | 16.86 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.79 | 176 | 392239 | 21.19 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.90 | 200 | 36621  | 26.72 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.64 | 188 | 526679 | 21.87 | ng/ul | 0.00 |
| 77) Pyrene-d10                 | 19.92 | 212 | 588575 | 25.92 | ng/ul | 0.00 |
| 88) Benzo(a)pyrene-d12         | 24.93 | 264 | 535567 | 23.92 | ng/ul | 0.00 |

## Target Compounds

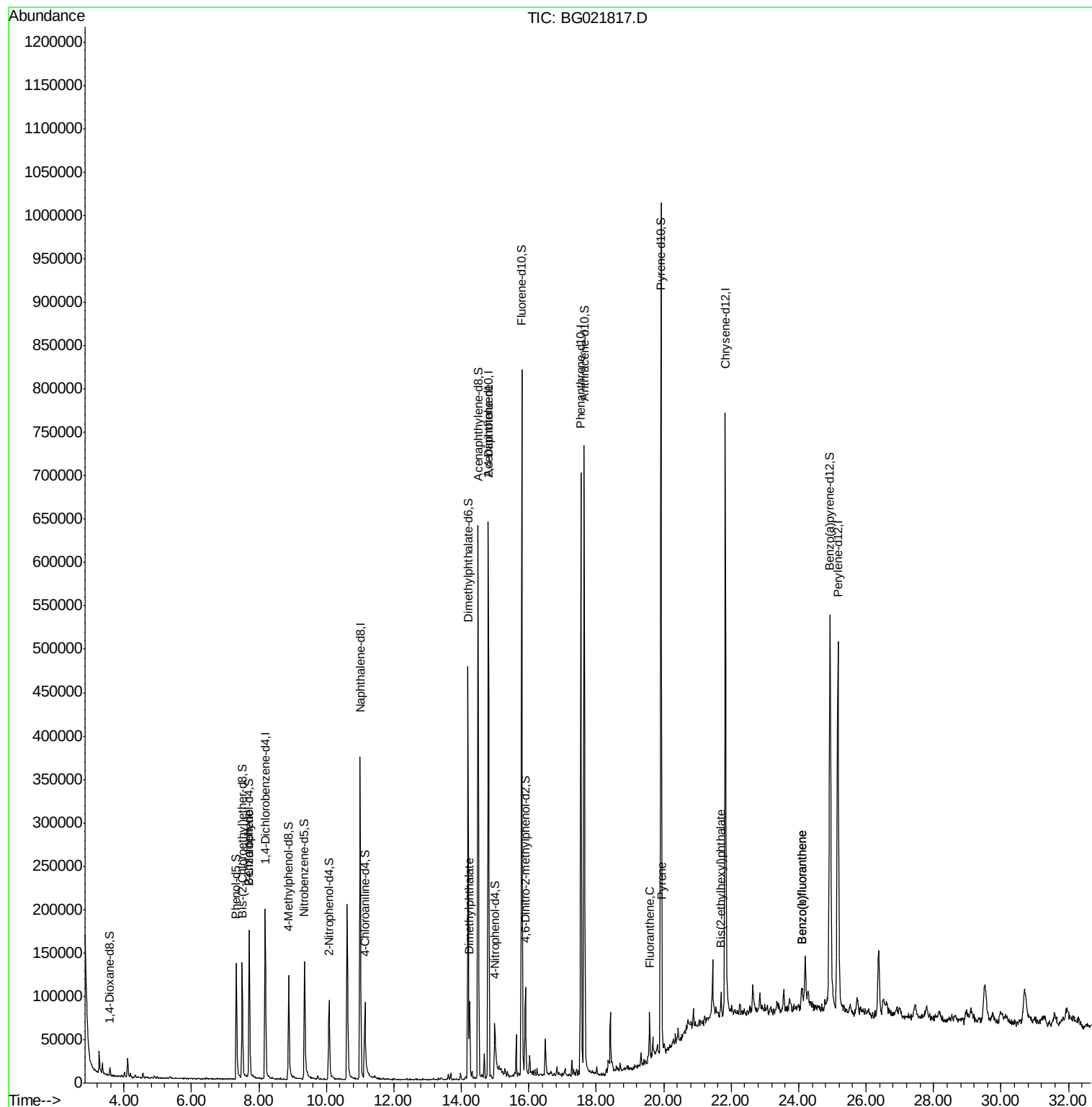
|                                |       |     |       |      |        | Qvalue |
|--------------------------------|-------|-----|-------|------|--------|--------|
| 4) Benzaldehyde                | 7.71  | 77  | 2033  | 3.08 | ng/ul  | 91     |
| 45) Dimethylphthalate          | 14.25 | 163 | 77759 | 4.34 | ng/ul  | 97     |
| 55) 2,4-Dinitrotoluene         | 14.80 | 165 | 32897 | 6.72 | ng/ul# | 24     |
| 75) Fluoranthene               | 19.58 | 202 | 32510 | 1.06 | ng/ul  | 97     |
| 78) Pyrene                     | 19.95 | 202 | 28108 | 1.00 | ng/ul# | 93     |
| 82) Bis(2-ethylhexyl)phthalate | 21.70 | 149 | 14576 | 1.44 | ng/ul  | 95     |
| 86) Benzo(b)fluoranthene       | 24.10 | 252 | 30907 | 1.15 | ng/ul# | 81     |
| 87) Benzo(k)fluoranthene       | 24.10 | 252 | 30907 | 1.07 | ng/ul# | 81     |

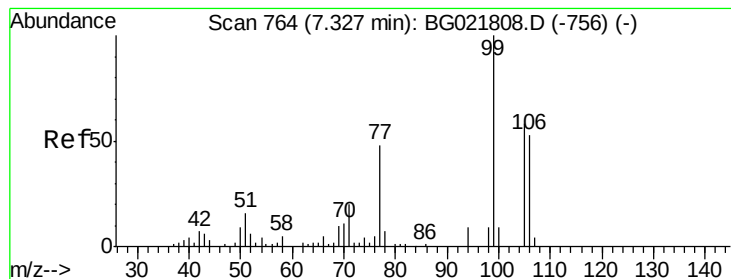
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG051016\  
Data File : BG021817.D  
Acq On : 10 May 2016 15:23  
Operator : UM/SJ  
Sample : H2938-08  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
D9XA6

Quant Time: May 11 03:31:12 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG050916.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed May 11 02:37:33 2016  
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 3.08 ng/ul

RT: 7.71 min Scan# 830

Delta R.T. 0.39 min

Lab File: BG021817.D

Acq: 10 May 2016 15:23

Instrument :

BNA\_G

ClientSampleId :

D9XA6

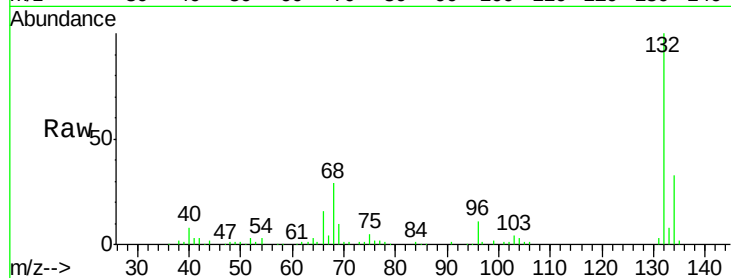
Tgt Ion: 77 Resp: 2033

Ion Ratio Lower Upper

77 100

105 74.0 68.5 102.7

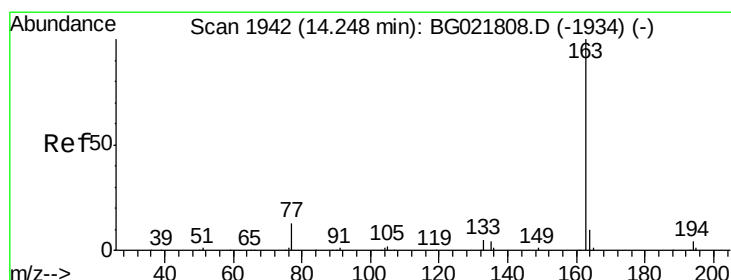
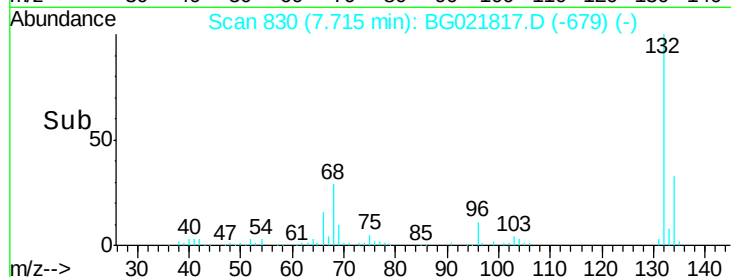
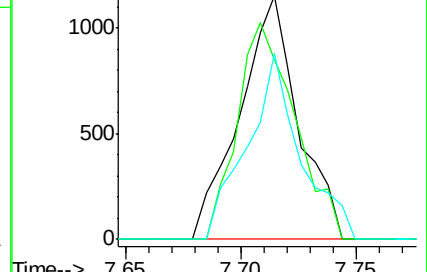
106 76.5 65.0 97.4



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



#45

Dimethylphthalate

Concen: 4.34 ng/ul

RT: 14.25 min Scan# 1942

Delta R.T. -0.00 min

Lab File: BG021817.D

Acq: 10 May 2016 15:23

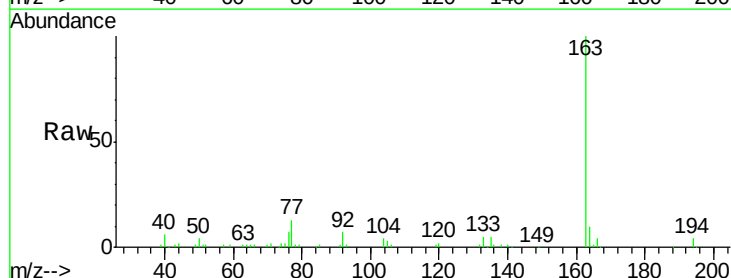
Tgt Ion: 163 Resp: 77759

Ion Ratio Lower Upper

163 100

194 4.0 3.9 5.9

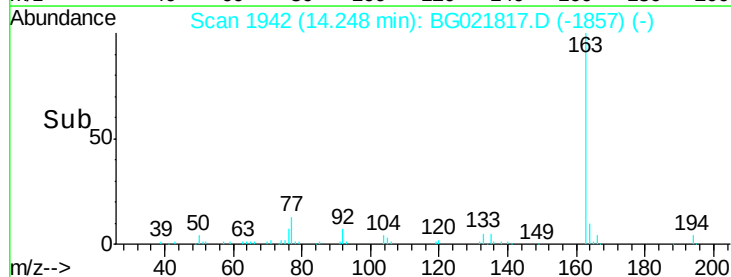
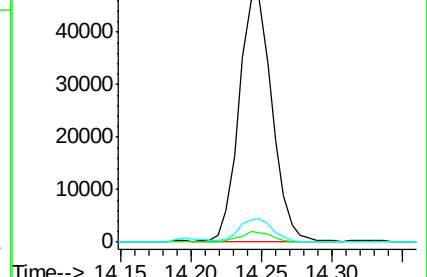
164 9.7 8.7 13.1

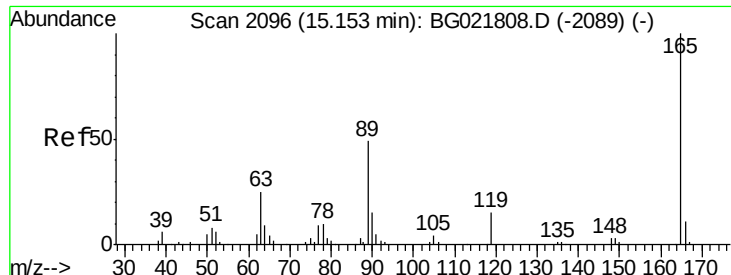


Abundance Ion 163.00 (162.70 to 163.70): BGC

Ion 194.00 (193.70 to 194.70): BGC

Ion 164.00 (163.70 to 164.70): BGC

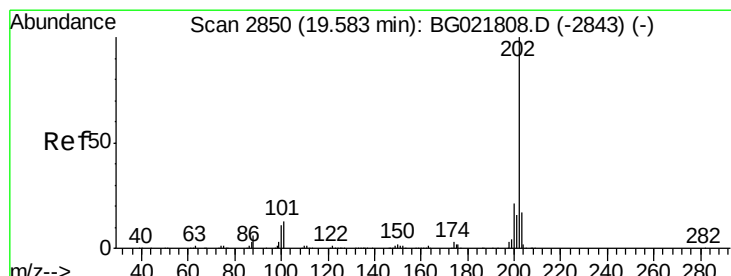
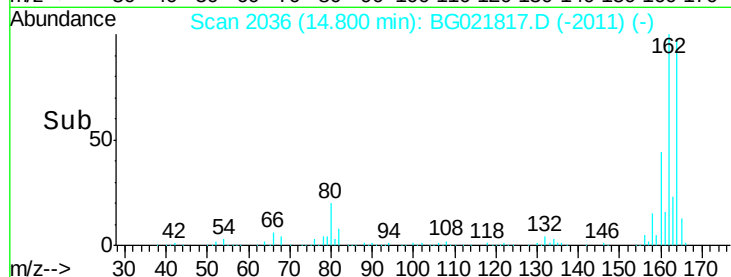
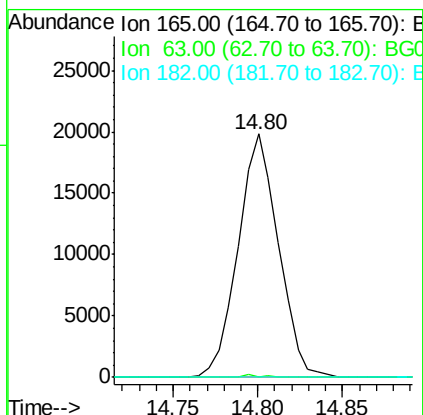
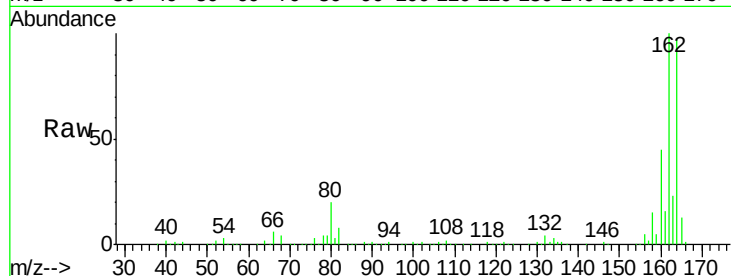




#55  
 2,4-Dinitrotoluene  
 Concen: 6.72 ng/ul  
 RT: 14.80 min Scan# 2036  
 Delta R.T. -0.35 min  
 Lab File: BG021817.D  
 Acq: 10 May 2016 15:23

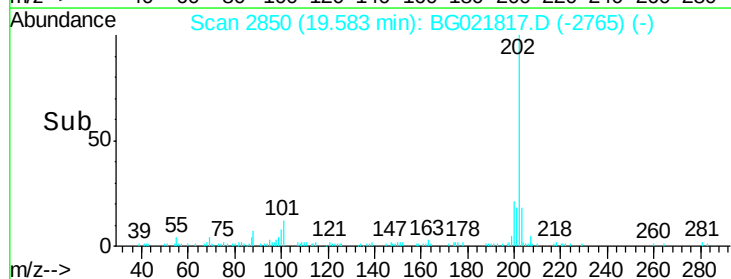
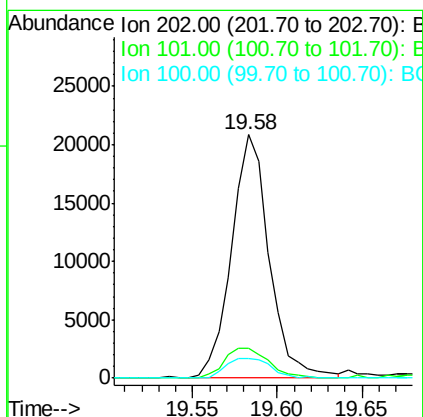
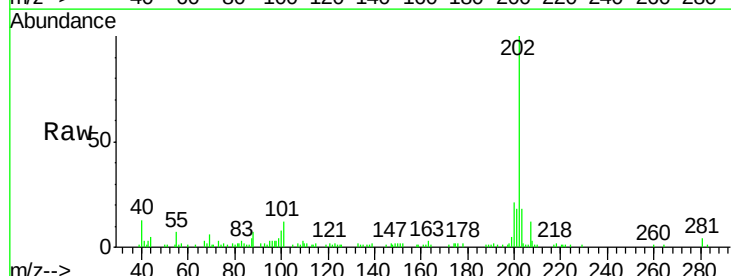
Instrument :  
 BNA\_G  
 ClientSampleId :  
 D9XA6

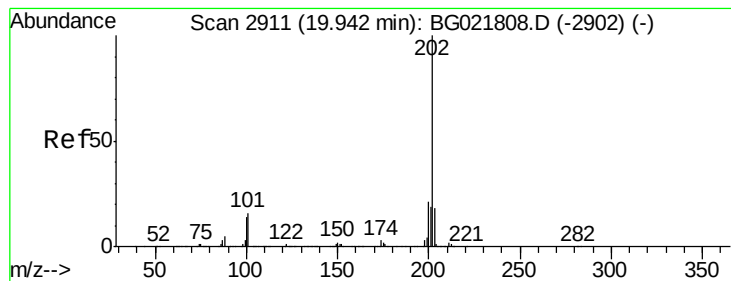
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 48.1  | 72.1# |
| 182     | 0.0   | 2.2   | 3.2#  |



#75  
 Fluoranthene  
 Concen: 1.06 ng/ul  
 RT: 19.58 min Scan# 2850  
 Delta R.T. -0.00 min  
 Lab File: BG021817.D  
 Acq: 10 May 2016 15:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.4  | 8.9   | 13.3  |
| 100     | 8.1   | 7.0   | 10.4  |





#78

Pyrene

Concen: 1.00 ng/ul

RT: 19.95 min Scan# 2912

Delta R.T. 0.01 min

Lab File: BG021817.D

Acq: 10 May 2016 15:23

Instrument :

BNA\_G

ClientSampleId :

D9XA6

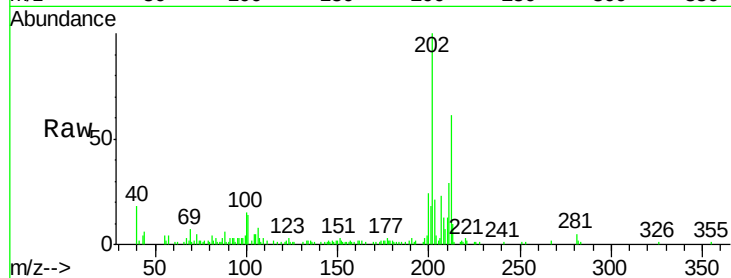
Tgt Ion:202 Resp: 28108

Ion Ratio Lower Upper

202 100

101 14.3 9.8 14.8

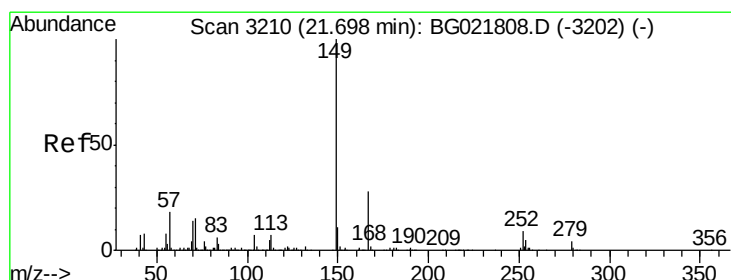
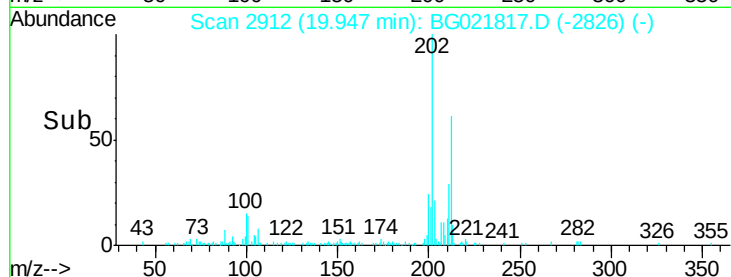
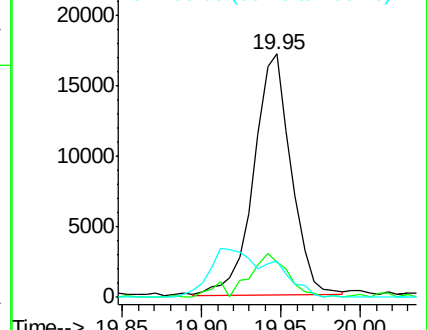
100 14.7 9.3 13.9#



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



#82

Bis(2-ethylhexyl)phthalate

Concen: 1.44 ng/ul

RT: 21.70 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BG021817.D

Acq: 10 May 2016 15:23

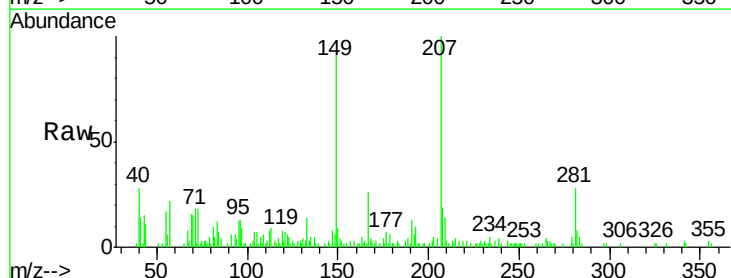
Tgt Ion:149 Resp: 14576

Ion Ratio Lower Upper

149 100

167 28.4 20.5 30.7

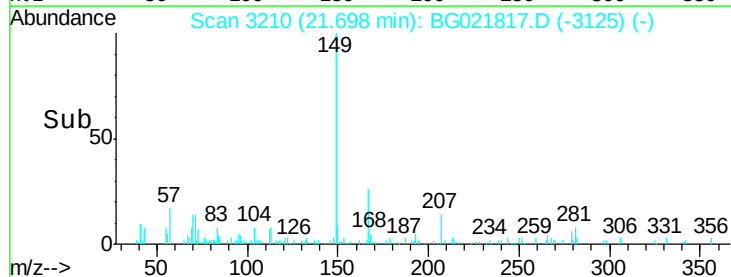
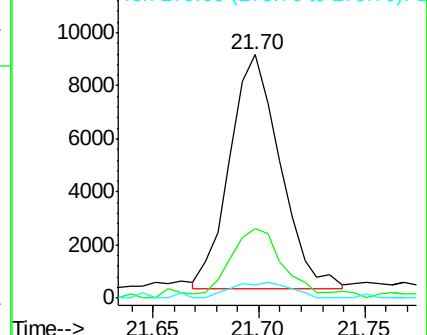
279 5.4 3.7 5.5

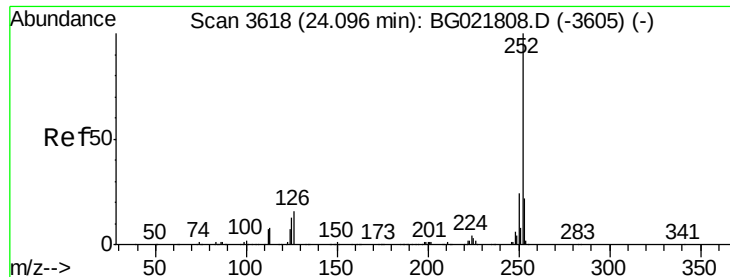


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

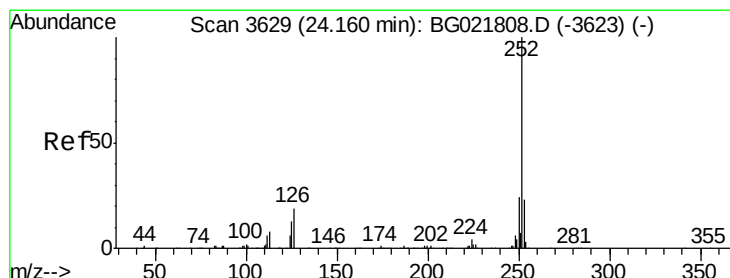
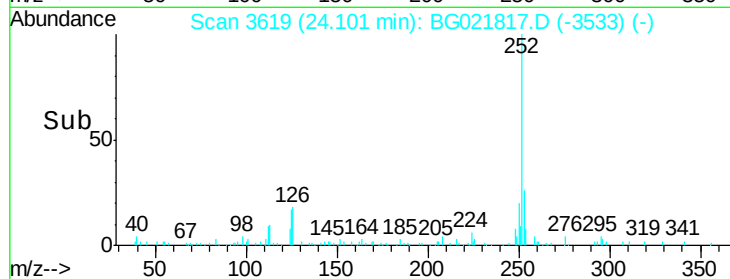
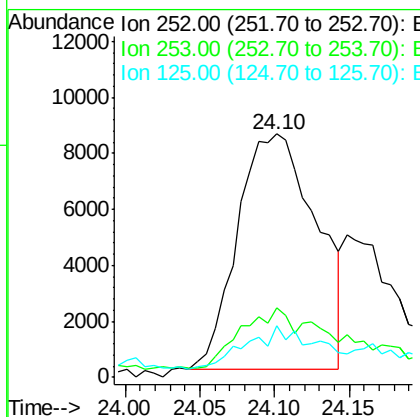
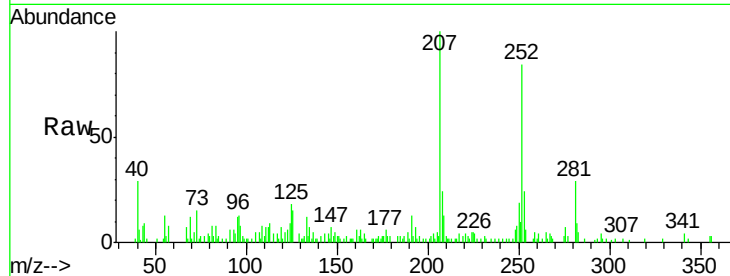




#86  
Benzo(b)fluoranthene  
Concen: 1.15 ng/ul  
RT: 24.10 min Scan# 3619  
Delta R.T. 0.01 min  
Lab File: BG021817.D  
Acq: 10 May 2016 15:23

Instrument :  
BNA\_G  
ClientSampleId :  
D9XA6

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 28.7  | 18.1  | 27.1# |
| 125     | 21.4  | 7.6   | 11.4# |



#87  
Benzo(k)fluoranthene  
Concen: 1.07 ng/ul  
RT: 24.10 min Scan# 3619  
Delta R.T. -0.06 min  
Lab File: BG021817.D  
Acq: 10 May 2016 15:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 28.7  | 17.8  | 26.8# |
| 125     | 21.4  | 7.7   | 11.5# |

