

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG051016\  
 Data File : BG021828.D  
 Acq On : 10 May 2016 22:42  
 Operator : UM/SJ  
 Sample : H2937-01  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 D9WL1

Quant Time: May 11 03:33:24 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 | 8.19  | 152  | 93372    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.00 | 136  | 483916   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.80 | 164  | 282219   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.55 | 188  | 572454   | 20.00 | ng/ul | 0.00     |
| 76) Chrysene-d12          | 21.83 | 240  | 566894   | 20.00 | ng/ul | 0.00     |
| 84) Perylene-d12          | 25.16 | 264  | 554445   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.57  | 96  | 4970   | 2.57  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.33  | 99  | 97296  | 14.04 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.50  | 67  | 46766  | 13.61 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.71  | 132 | 90766  | 16.88 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.88  | 113 | 58953  | 10.13 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.35  | 128 | 47580  | 14.96 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 10.08 | 143 | 44981  | 22.38 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.61 | 165 | 89325  | 15.72 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 11.46 | 131 | 110    | 0.02  | ng/ul | 0.32  |
| 44) Dimethylphthalate-d6       | 14.20 | 166 | 303135 | 15.29 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 14.50 | 160 | 414429 | 14.73 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 14.99 | 143 | 24935  | 7.34  | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.79 | 176 | 283368 | 13.58 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.90 | 200 | 28071  | 17.70 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 17.55 | 188 | 572454 | 20.54 | ng/ul | -0.10 |
| 77) Pyrene-d10                 | 19.92 | 212 | 426691 | 16.08 | ng/ul | 0.00  |
| 88) Benzo(a)pyrene-d12         | 24.93 | 264 | 382153 | 14.51 | ng/ul | 0.00  |

## Target Compounds

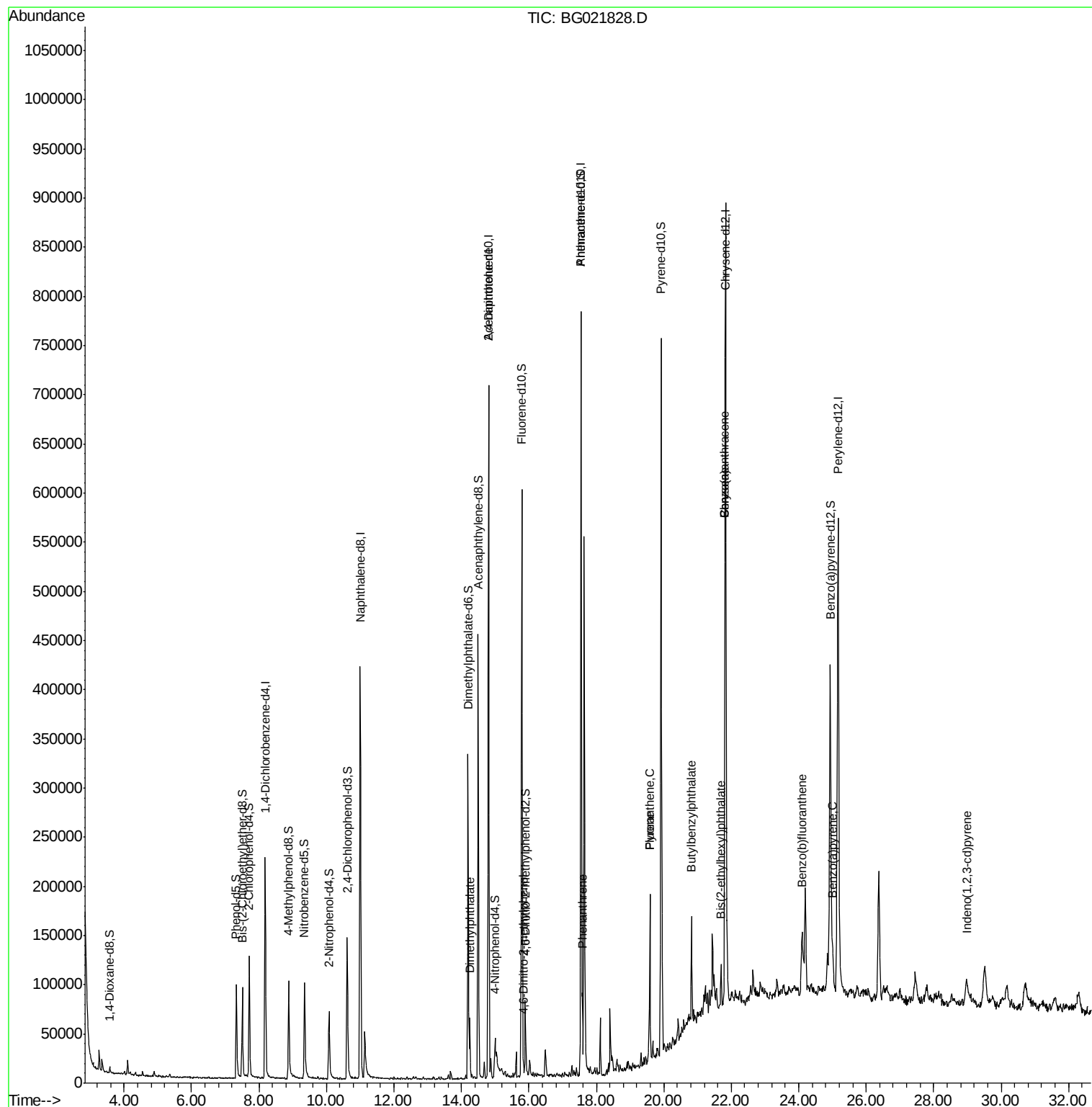
|                                |       |     |        |      |        | Qvalue |
|--------------------------------|-------|-----|--------|------|--------|--------|
| 45) Dimethylphthalate          | 14.24 | 163 | 48293  | 2.39 | ng/ul# | 97     |
| 55) 2,4-Dinitrotoluene         | 14.80 | 165 | 36359  | 6.59 | ng/ul# | 25     |
| 64) 4,6-Dinitro-2-methylphenol | 15.84 | 198 | 2406   | 1.39 | ng/ul# | 50     |
| 70) Phenanthrene               | 17.59 | 178 | 52837  | 1.69 | ng/ul  | 98     |
| 75) Fluoranthene               | 19.58 | 202 | 107515 | 3.02 | ng/ul# | 93     |
| 78) Pyrene                     | 19.58 | 202 | 107515 | 3.28 | ng/ul  | 99     |
| 79) Butylbenzylphthalate       | 20.82 | 149 | 45027  | 6.21 | ng/ul# | 78     |
| 81) Benzo(a)anthracene         | 21.81 | 228 | 51236  | 1.62 | ng/ul  | 96     |
| 82) Bis(2-ethylhexyl)phthalate | 21.70 | 149 | 26507  | 2.24 | ng/ul# | 95     |
| 83) Chrysene                   | 21.81 | 228 | 50639  | 1.62 | ng/ul  | 95     |
| 86) Benzo(b)fluoranthene       | 24.10 | 252 | 89399  | 2.82 | ng/ul# | 92     |
| 89) Benzo(a)pyrene             | 25.00 | 252 | 52003  | 1.65 | ng/ul# | 91     |
| 90) Indeno(1,2,3-cd)pyrene     | 28.97 | 276 | 43420  | 1.16 | ng/ul# | 90     |

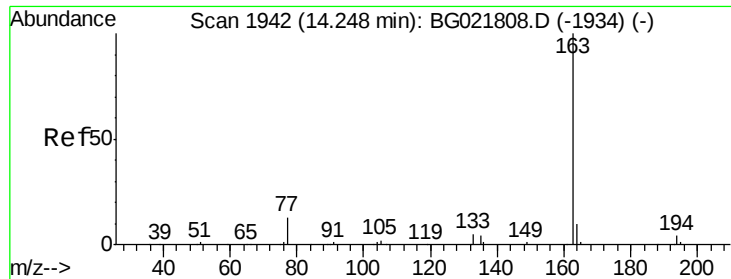
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Wed May 11 02:37:33 2016  
Response via : Initial Calibration

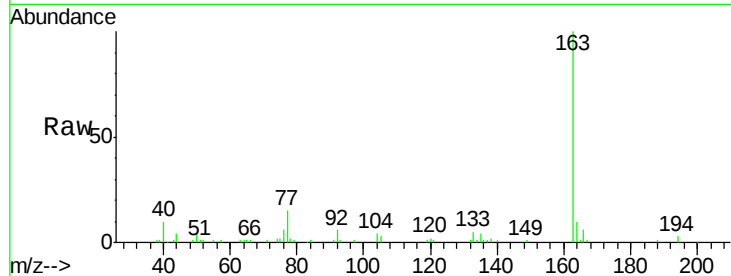




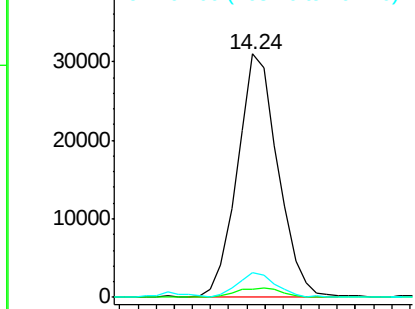
#45  
Dimethylphthalate  
Concen: 2.39 ng/ul  
RT: 14.24 min Scan# 1941  
Delta R.T. -0.01 min  
Lab File: BG021828.D  
Acq: 10 May 2016 22:42

Instrument :  
BNA\_G  
ClientSampleId :  
D9WL1

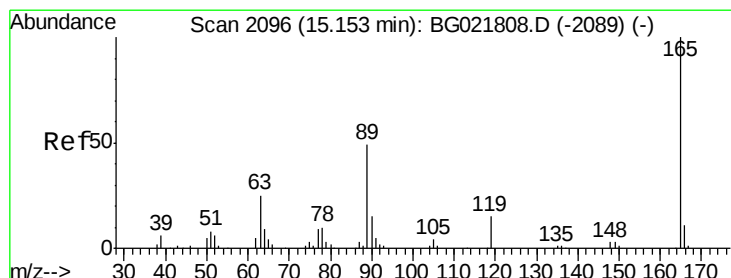
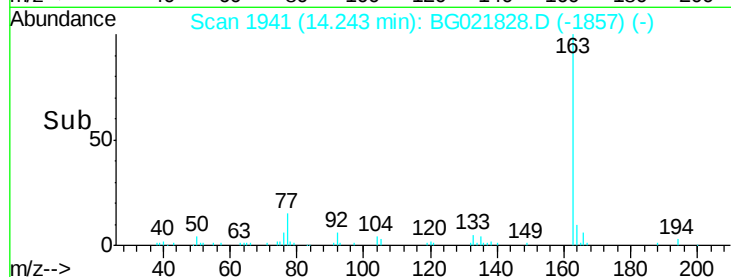
Tgt Ion:163 Resp: 48293  
Ion Ratio Lower Upper  
163 100  
194 3.4 3.9 5.9#  
164 9.9 8.7 13.1



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

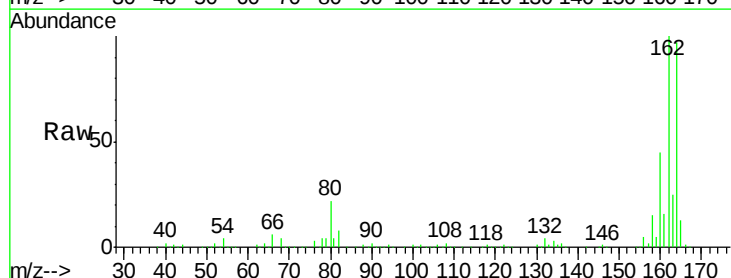


Time-->

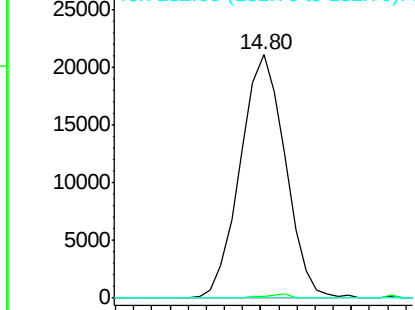


#55  
2,4-Dinitrotoluene  
Concen: 6.59 ng/ul  
RT: 14.80 min Scan# 2036  
Delta R.T. -0.35 min  
Lab File: BG021828.D  
Acq: 10 May 2016 22:42

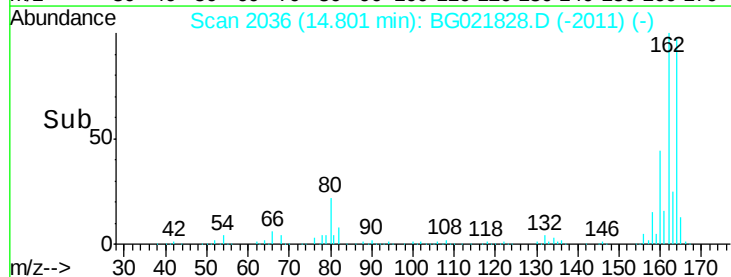
Tgt Ion:165 Resp: 36359  
Ion Ratio Lower Upper  
165 100  
63 0.7 48.1 72.1#  
182 0.0 2.2 3.2#

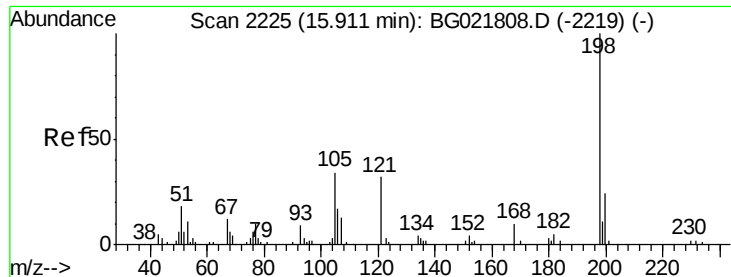


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BG  
Ion 182.00 (181.70 to 182.70): E



Time-->

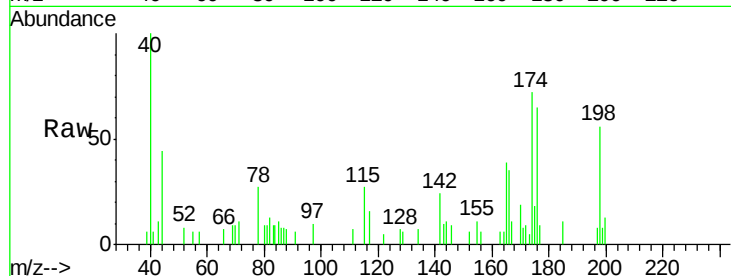




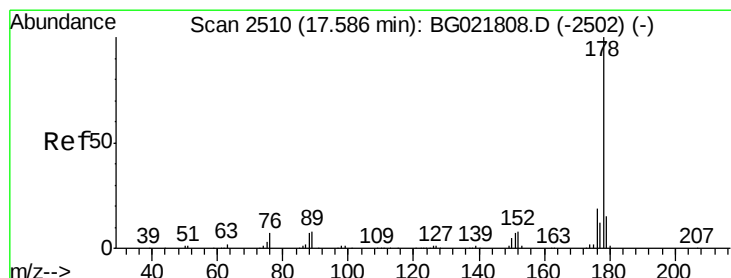
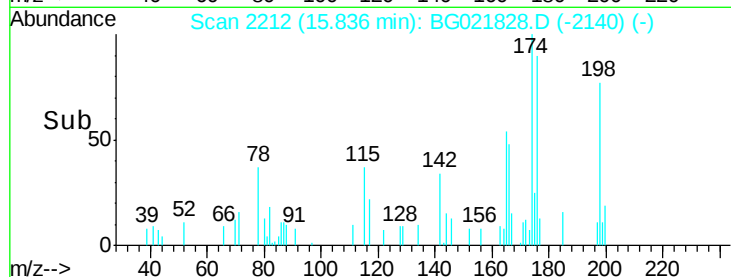
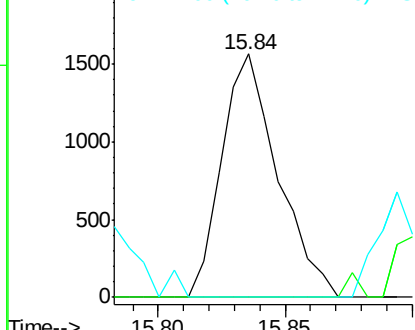
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 1.39 ng/ul  
 RT: 15.84 min Scan# 2212  
 Delta R.T. -0.08 min  
 Lab File: BG021828.D  
 Acq: 10 May 2016 22:42

Instrument :  
 BNA\_G  
 ClientSampleId :  
 D9WL1

Tgt Ion:198 Resp: 2406  
 Ion Ratio Lower Upper  
 198 100  
 182 0.0 3.8 5.8#  
 77 0.0 24.2 36.4#

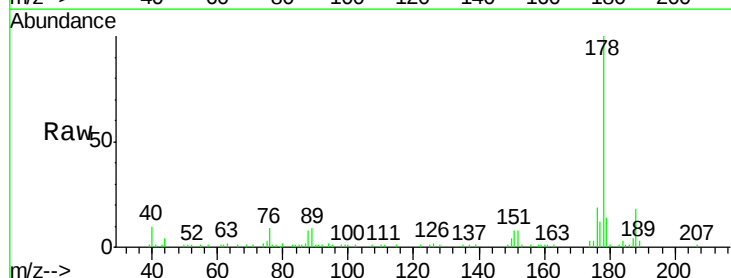


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 77.00 (76.70 to 77.70): E

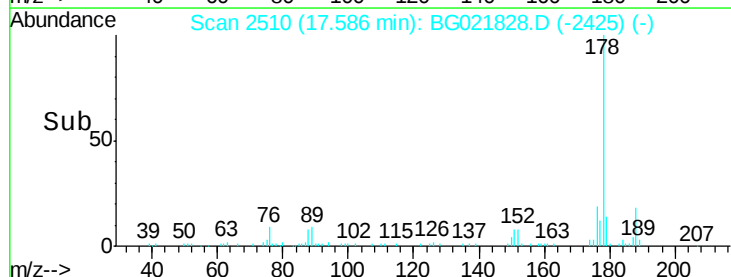
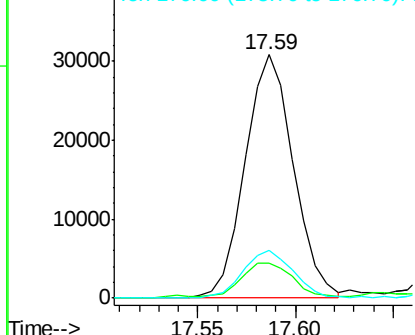


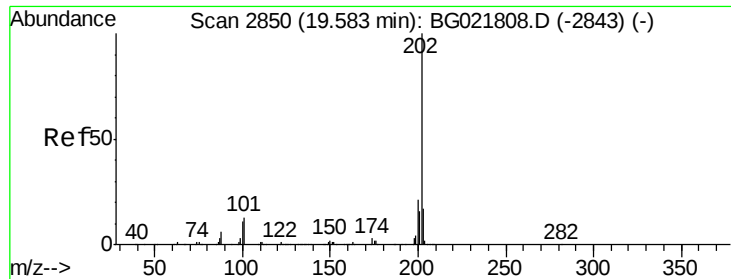
#70  
 Phenanthrene  
 Concen: 1.69 ng/ul  
 RT: 17.59 min Scan# 2510  
 Delta R.T. 0.00 min  
 Lab File: BG021828.D  
 Acq: 10 May 2016 22:42

Tgt Ion:178 Resp: 52837  
 Ion Ratio Lower Upper  
 178 100  
 179 14.2 11.8 17.8  
 176 19.4 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

Fluoranthene

Concen: 3.02 ng/ul

RT: 19.58 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BG021828.D

Acq: 10 May 2016 22:42

Instrument :

BNA\_G

ClientSampleId :

D9WL1

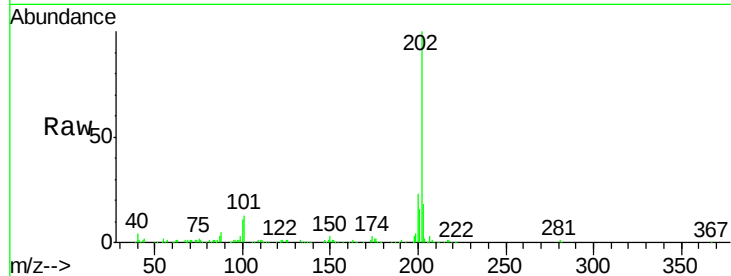
Tgt Ion:202 Resp: 107515

Ion Ratio Lower Upper

202 100

101 13.3 8.9 13.3

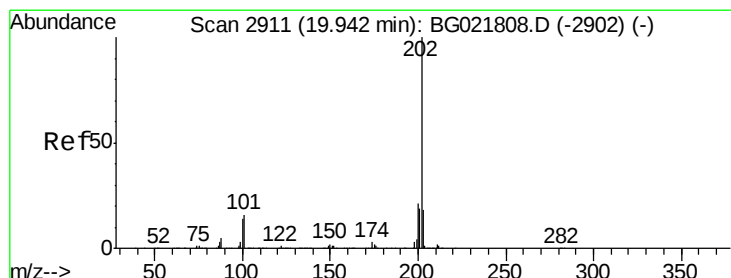
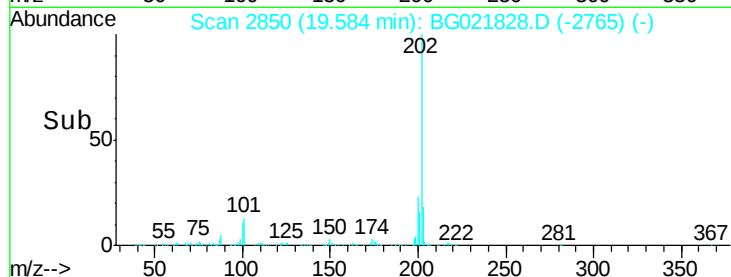
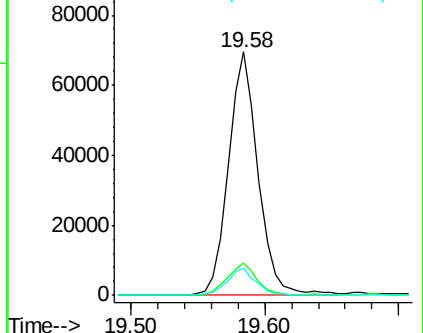
100 11.4 7.0 10.4#



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



#78

Pyrene

Concen: 3.28 ng/ul

RT: 19.58 min Scan# 2850

Delta R.T. -0.36 min

Lab File: BG021828.D

Acq: 10 May 2016 22:42

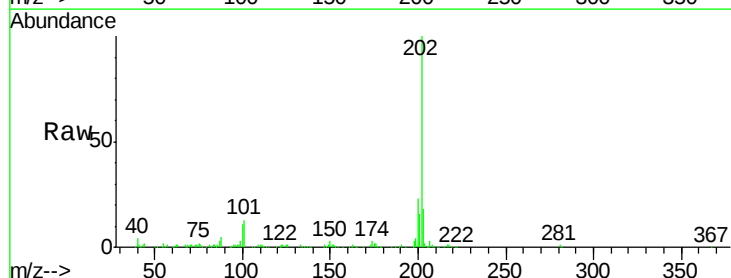
Tgt Ion:202 Resp: 107515

Ion Ratio Lower Upper

202 100

101 13.3 9.8 14.8

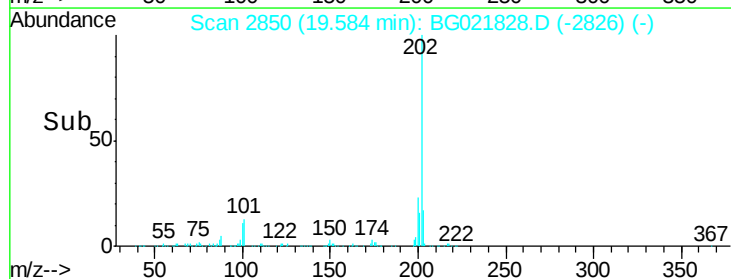
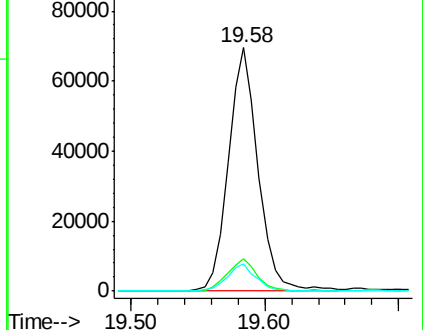
100 11.4 9.3 13.9

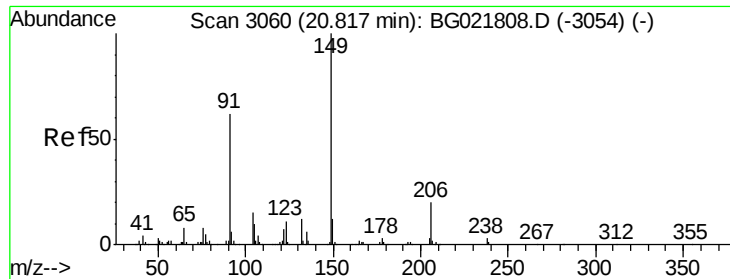


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

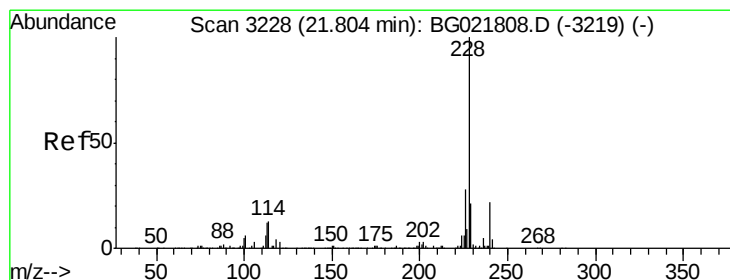
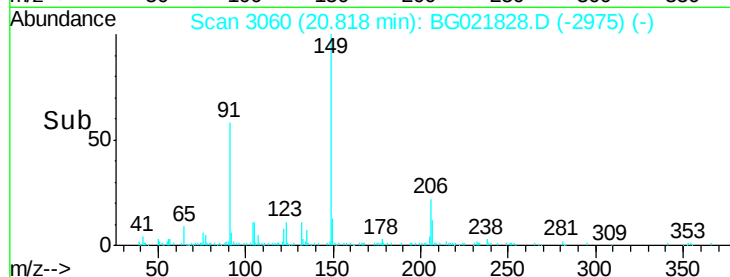
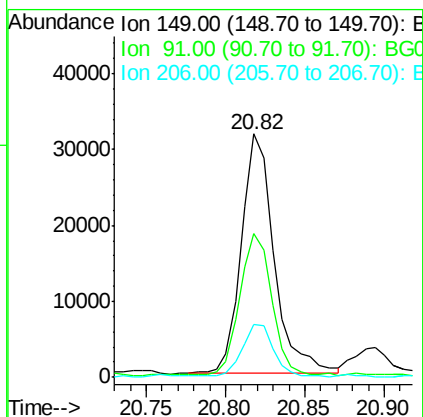
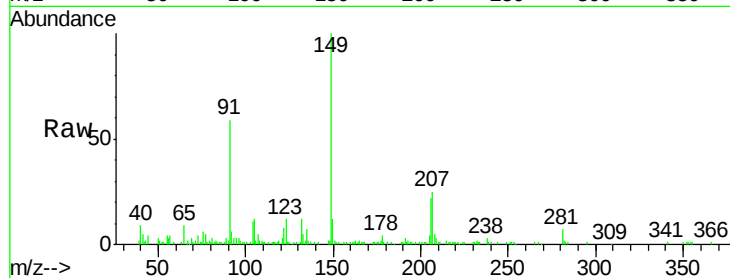




#79  
Butylbenzylphthalate  
Concen: 6.21 ng/ul  
RT: 20.82 min Scan# 3060  
Delta R.T. 0.00 min  
Lab File: BG021828.D  
Acq: 10 May 2016 22:42

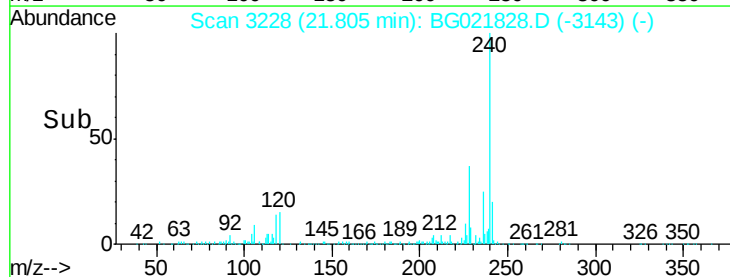
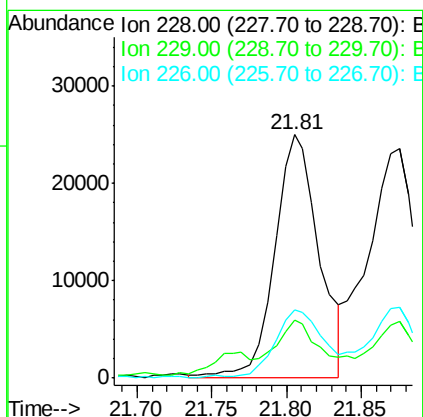
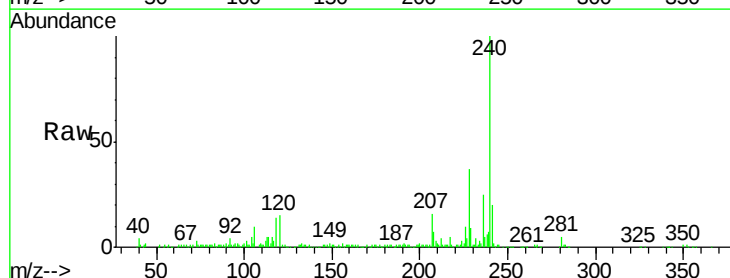
Instrument :  
BNA\_G  
ClientSampleId :  
D9WL1

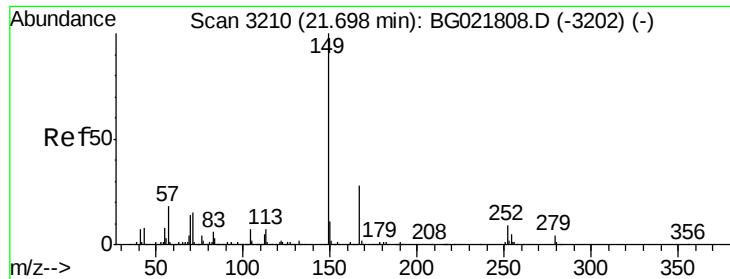
Tgt Ion:149 Resp: 45027  
Ion Ratio Lower Upper  
149 100  
91 58.9 65.8 98.8#  
206 21.7 15.5 23.3



#81  
Benzo(a)anthracene  
Concen: 1.62 ng/ul  
RT: 21.81 min Scan# 3228  
Delta R.T. 0.00 min  
Lab File: BG021828.D  
Acq: 10 May 2016 22:42

Tgt Ion:228 Resp: 51236  
Ion Ratio Lower Upper  
228 100  
229 23.6 16.6 25.0  
226 27.8 21.0 31.4





#82

Bis(2-ethylhexyl)phthalate

Concen: 2.24 ng/ul

RT: 21.70 min Scan# 3210

Delta R.T. 0.00 min

Lab File: BG021828.D

Acq: 10 May 2016 22:42

Instrument :

BNA\_G

ClientSampleId :

D9WL1

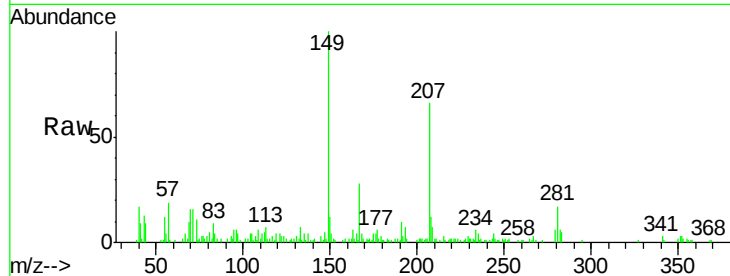
Tgt Ion:149 Resp: 26507

Ion Ratio Lower Upper

149 100

167 28.1 20.5 30.7

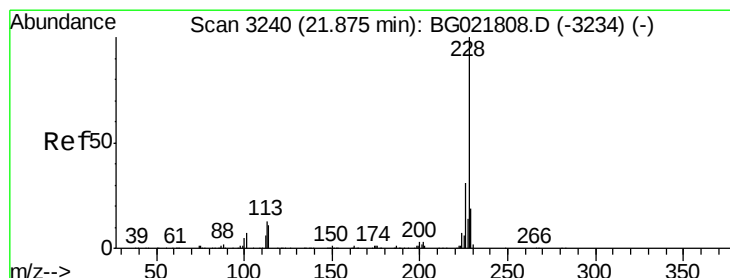
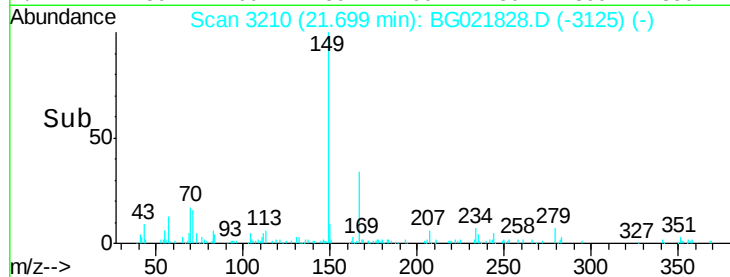
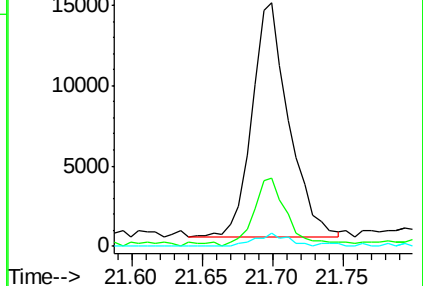
279 5.6 3.7 5.5#



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



#83

Chrysene

Concen: 1.62 ng/ul

RT: 21.81 min Scan# 3228

Delta R.T. -0.07 min

Lab File: BG021828.D

Acq: 10 May 2016 22:42

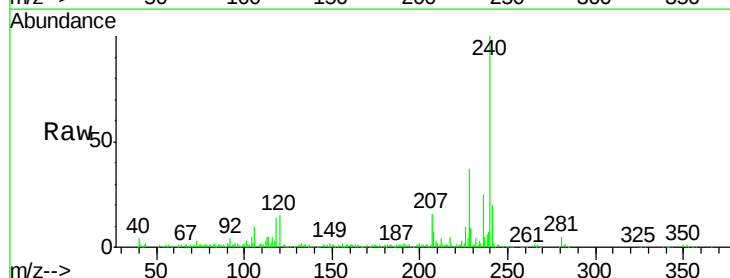
Tgt Ion:228 Resp: 50639

Ion Ratio Lower Upper

228 100

226 27.8 23.4 35.2

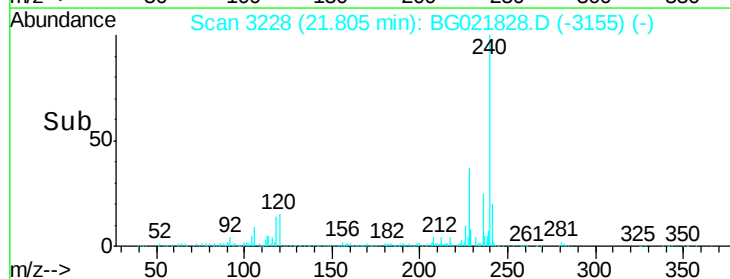
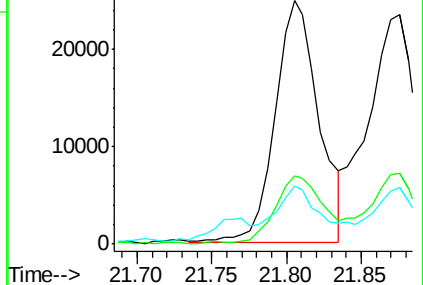
229 23.6 16.2 24.2

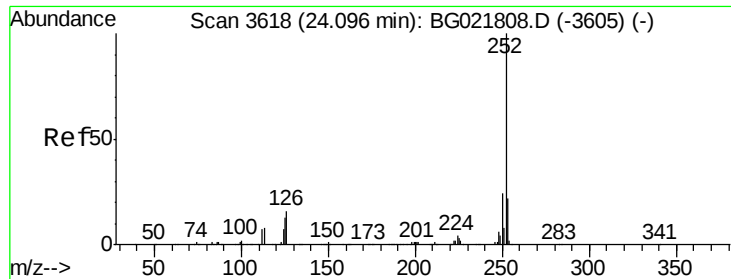


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Benzo(b)fluoranthene

Concen: 2.82 ng/ul

RT: 24.10 min Scan# 3619

Delta R.T. 0.01 min

Lab File: BG021828.D

Acq: 10 May 2016 22:42

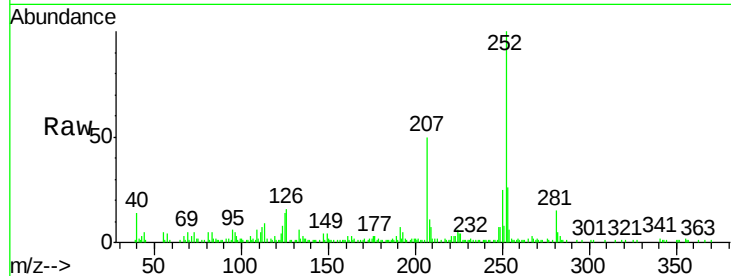
Instrument :

BNA\_G

ClientSampleId :

D9WL1

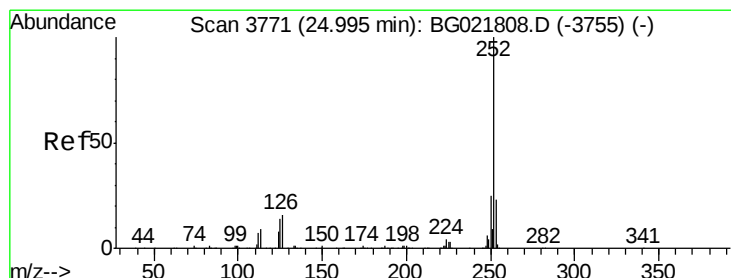
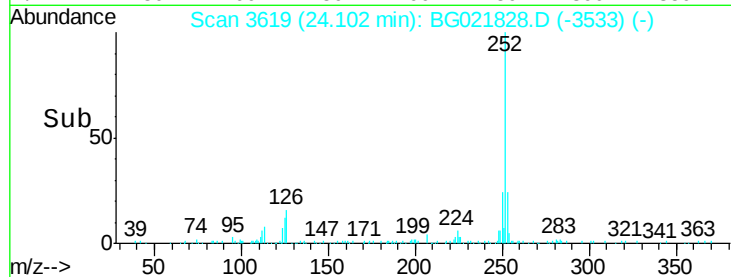
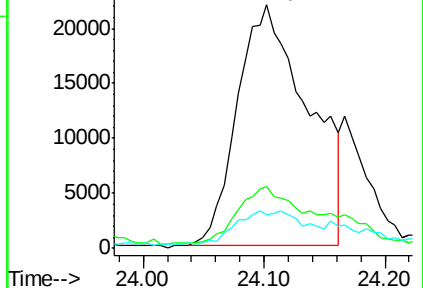
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 89399 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 25.6  | 18.1  | 27.1  |
| 125       | 13.8  | 7.6   | 11.4# |



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(a)pyrene

Concen: 1.65 ng/ul

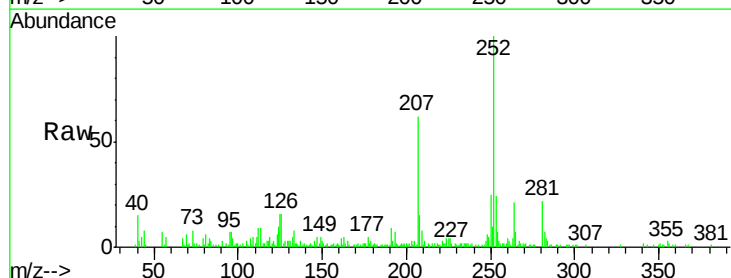
RT: 25.00 min Scan# 3772

Delta R.T. 0.01 min

Lab File: BG021828.D

Acq: 10 May 2016 22:42

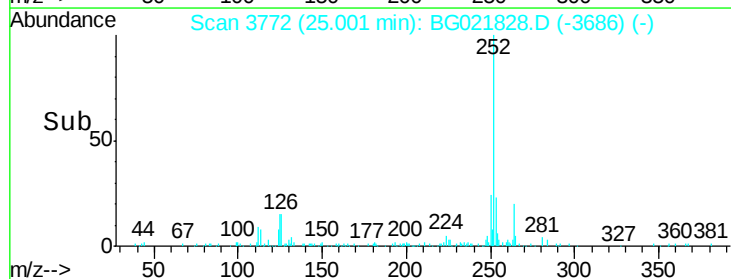
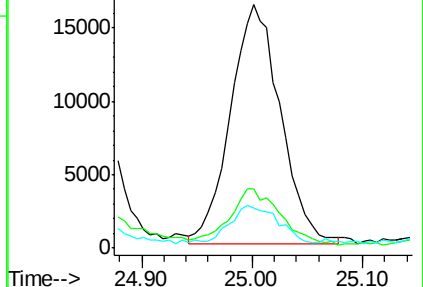
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 52003 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.4  | 17.4  | 26.0  |
| 125       | 16.4  | 8.2   | 12.2# |

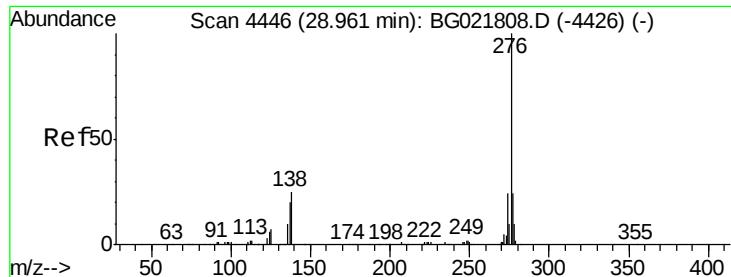


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Indeno(1,2,3-cd)pyrene

Concen: 1.16 ng/ul

RT: 28.97 min Scan# 4448

Delta R.T. 0.01 min

Lab File: BG021828.D

Acq: 10 May 2016 22:42

Instrument :

BNA\_G

ClientSampleId :

D9WL1

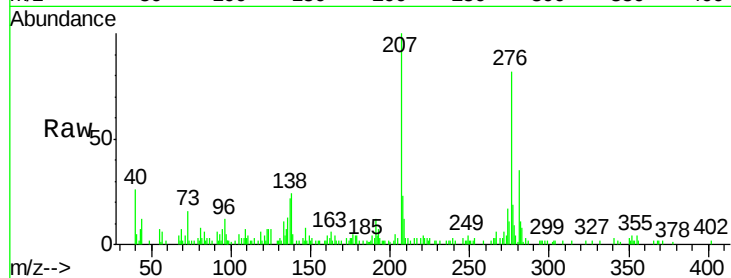
Tgt Ion: 276 Resp: 43420

Ion Ratio Lower Upper

276 100

138 29.6 15.8 23.6#

277 23.4 19.0 28.6



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

