

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG082016\  
 Data File : BG023807.D  
 Acq On : 20 Aug 2016 8:25  
 Operator : UM/SJ  
 Sample : H4496-04  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JHPW9

Quant Time: Aug 22 03:42:49 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG081816.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 22 03:42:09 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.09  | 152  | 122987   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.93 | 136  | 499723   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.77 | 164  | 311373   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.63 | 188  | 961010   | 20.00 | ng/ul | 0.10     |
| 75) Chrysene-d12          | 21.91 | 240  | 826      | 20.00 | ng/ul | 0.06     |
| 83) Perylene-d12          | 25.23 | 264  | 703467   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |          |       |      |
|--------------------------------|-------|-----|---------|----------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.46  | 96  | 13690   | 5.05     | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.33  | 99  | 1287    | 0.11     | ng/ul | 0.08 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.41  | 67  | 215124  | 27.22    | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.63  | 132 | 229461  | 28.03    | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.81  | 113 | 239512  | 26.56    | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.27  | 128 | 117778  | 29.17    | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.00 | 143 | 133107  | 28.92    | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.55 | 165 | 234665  | 28.20    | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.07 | 131 | 248238  | 24.38    | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.16 | 166 | 738625  | 28.62    | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.46 | 160 | 860830  | 29.45    | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.99 | 143 | 106699  | 25.58    | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.76 | 176 | 660806  | 29.32    | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.99 | 200 | 245     | 0.04     | ng/ul | 0.09 |
| 70) Anthracene-d10             | 17.63 | 188 | 961010  | 21.69    | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.92 | 212 | 1081440 | 27286.04 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 24.99 | 264 | 1022138 | 31.74    | ng/ul | 0.00 |

## Target Compounds

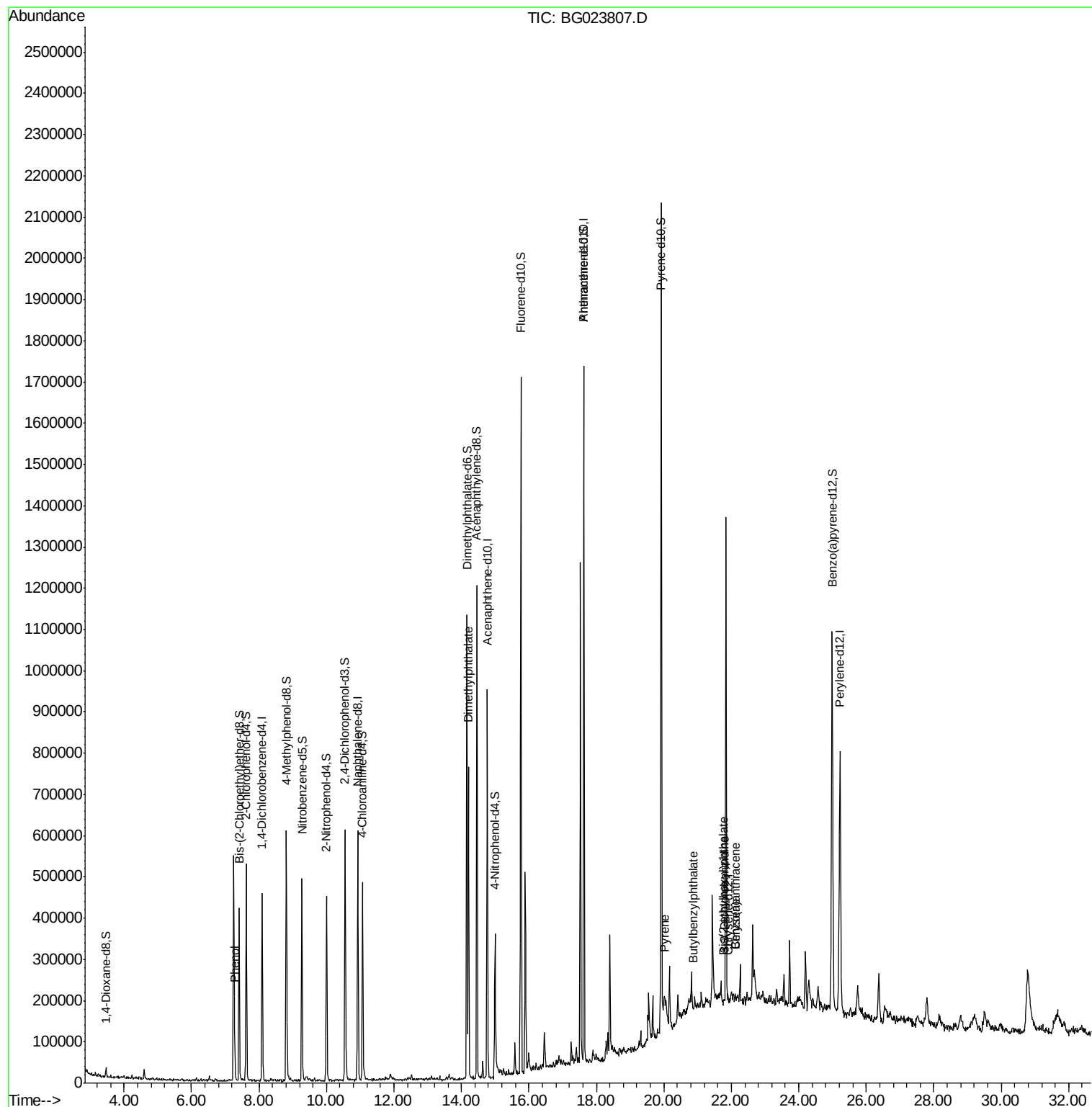
|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 6) Phenol                      | 7.28  | 94  | 26542  | 2.25  | ng/ul# | 51     |
| 44) Dimethylphthalate          | 14.21 | 163 | 467695 | 18.12 | ng/ul  | 98     |
| 77) Pyrene                     | 20.01 | 202 | 541    | 11.08 | ng/ul# | 28     |
| 78) Butylbenzylphthalate       | 20.87 | 149 | 762    | 34.51 | ng/ul# | 70     |
| 79) 3,3'-Dichlorobenzidine     | 21.80 | 252 | 98     | 5.97  | ng/ul# | 55     |
| 80) Benzo(a)anthracene         | 22.11 | 228 | 374    | 7.83  | ng/ul  | 96     |
| 81) Bis(2-ethylhexyl)phthalate | 21.76 | 149 | 646    | 21.75 | ng/ul# | 90     |
| 82) Chrysene                   | 22.11 | 228 | 374    | 8.70  | ng/ul  | 98     |

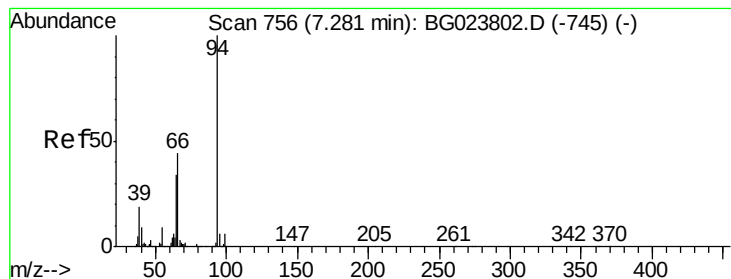
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.25 ng/ul

RT: 7.28 min Scan# 756

Delta R.T. -0.00 min

Lab File: BG023807.D

Acq: 20 Aug 2016 8:25

Instrument :

BNA\_G

ClientSampleId :

JHPW9

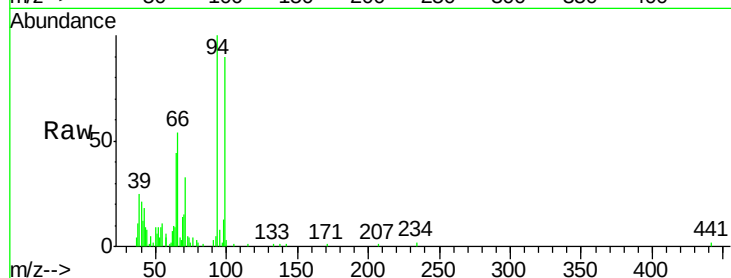
Tgt Ion: 94 Resp: 26542

Ion Ratio Lower Upper

94 100

65 44.5 16.8 25.2#

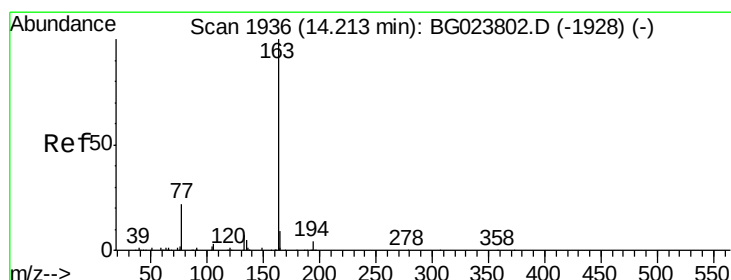
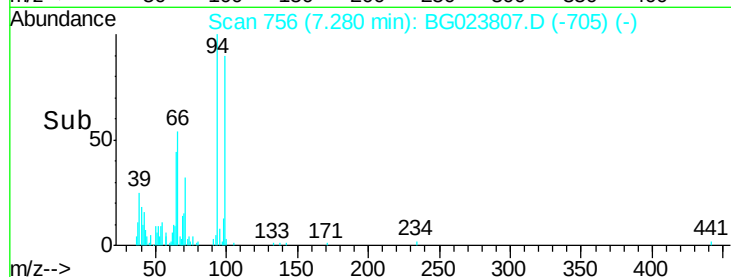
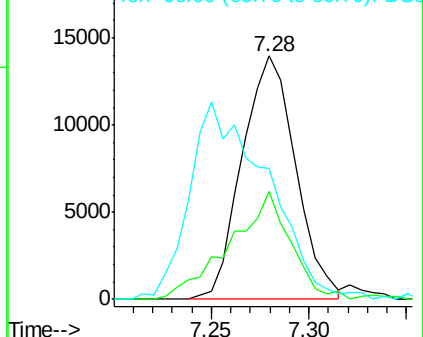
66 53.8 22.6 33.8#



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



#44

Dimethylphthalate

Concen: 18.12 ng/ul

RT: 14.21 min Scan# 1936

Delta R.T. -0.00 min

Lab File: BG023807.D

Acq: 20 Aug 2016 8:25

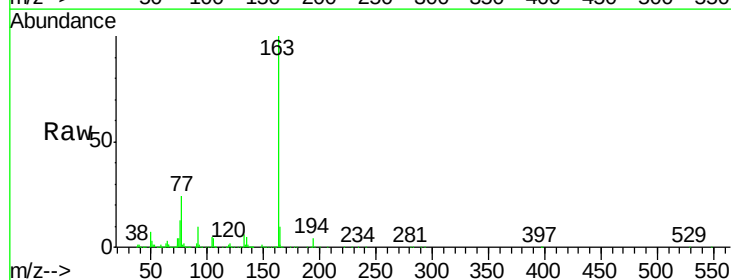
Tgt Ion: 163 Resp: 467695

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

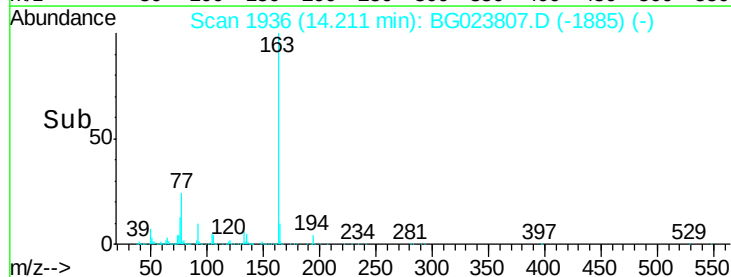
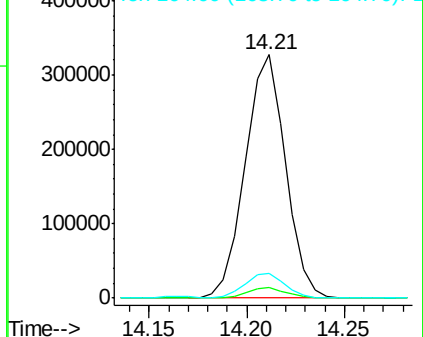
164 10.2 8.8 13.2

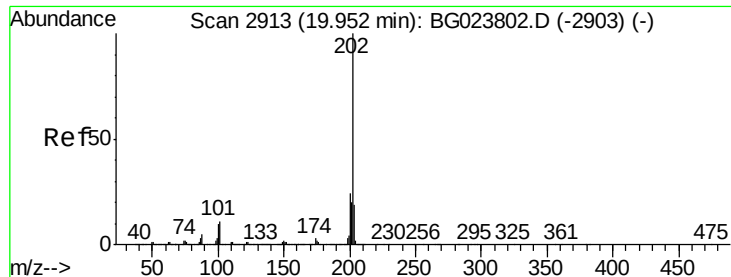


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#77

Pyrene

Concen: 11.08 ng/ul

RT: 20.01 min Scan# 2923

Delta R.T. 0.06 min

Lab File: BG023807.D

Acq: 20 Aug 2016 8:25

Instrument :

BNA\_G

ClientSampleId :

JHPW9

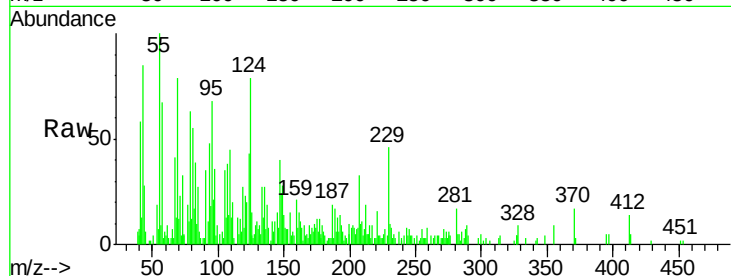
Tgt Ion:202 Resp: 541

Ion Ratio Lower Upper

202 100

101 59.3 12.5 18.7#

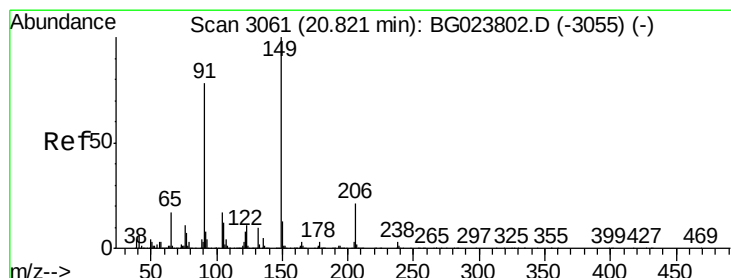
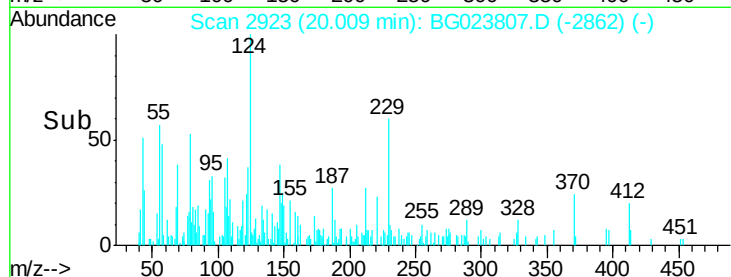
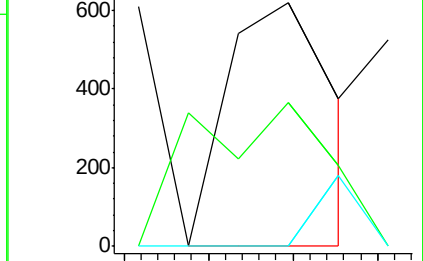
100 0.0 10.2 15.4#



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): E



#78

Butylbenzylphthalate

Concen: 34.51 ng/ul

RT: 20.87 min Scan# 3070

Delta R.T. 0.05 min

Lab File: BG023807.D

Acq: 20 Aug 2016 8:25

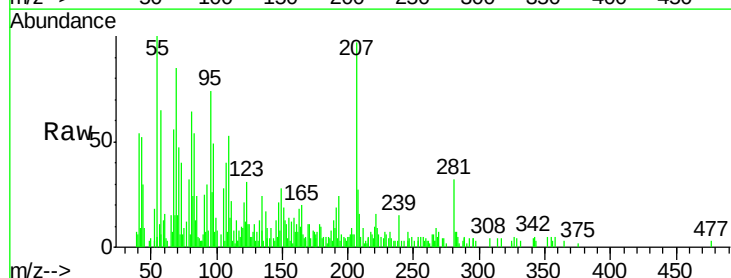
Tgt Ion:149 Resp: 762

Ion Ratio Lower Upper

149 100

91 90.2 54.2 81.4#

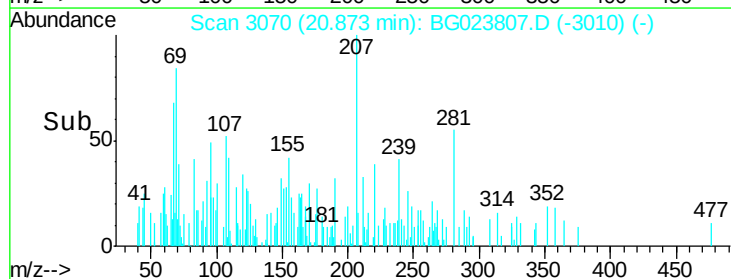
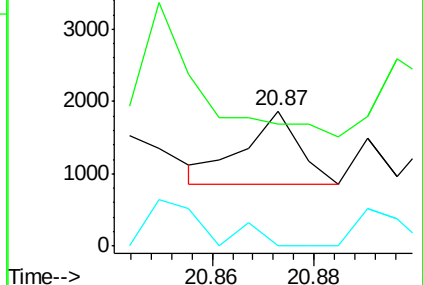
206 0.0 14.1 21.1#

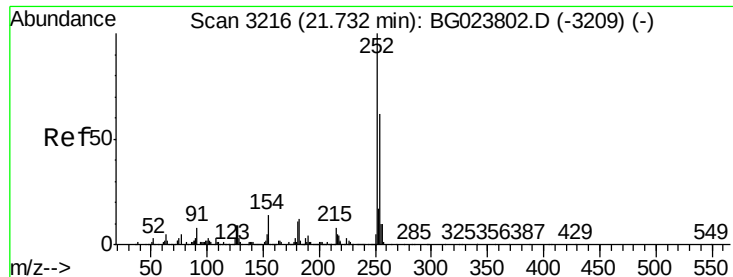


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): E

Ion 206.00 (205.70 to 206.70): E

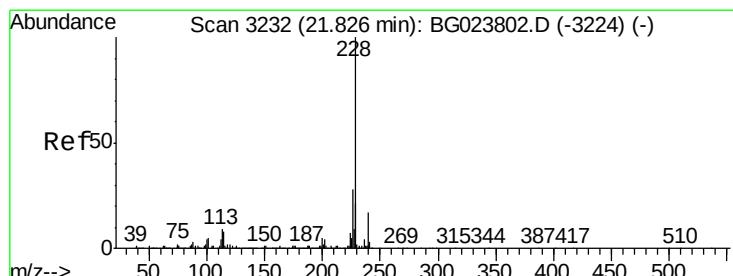
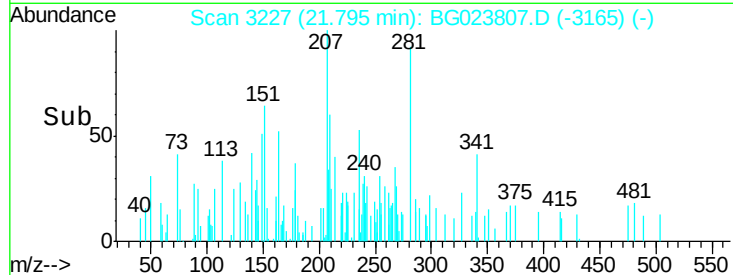
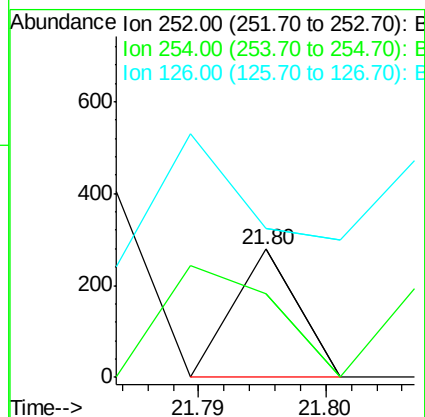
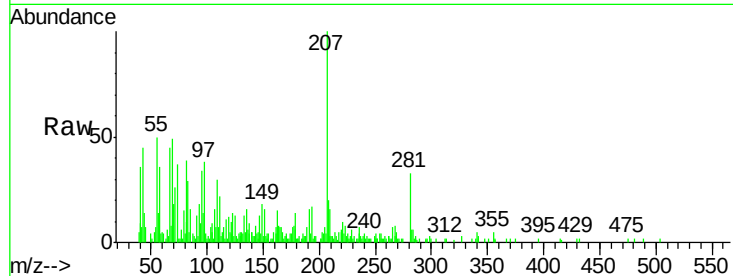




#79  
 3,3'-Dichlorobenzidine  
 Concen: 5.97 ng/ul  
 RT: 21.80 min Scan# 3227  
 Delta R.T. 0.06 min  
 Lab File: BG023807.D  
 Acq: 20 Aug 2016 8:25

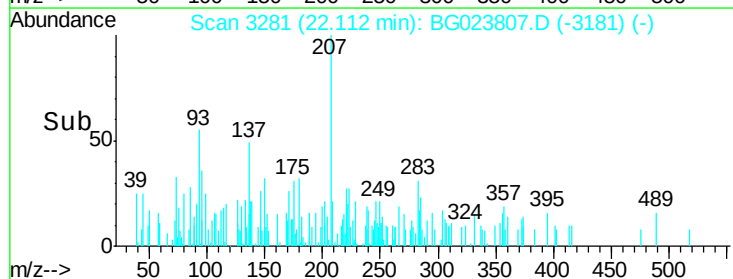
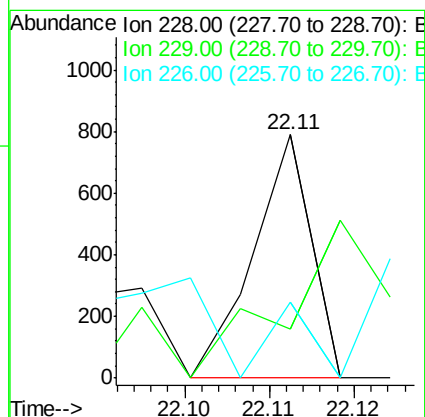
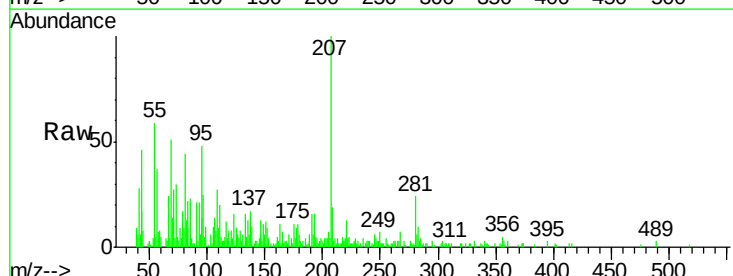
Instrument :  
 BNA\_G  
 ClientSampled :  
 JHPW9

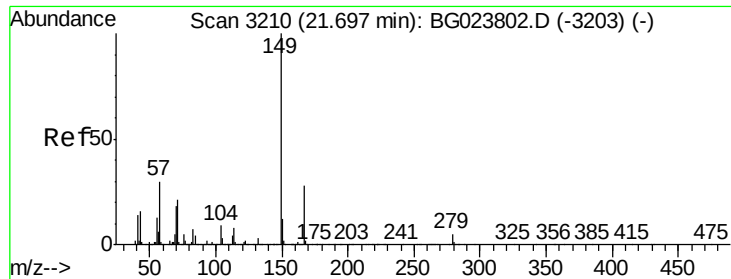
Tgt Ion: 252 Resp: 98  
 Ion Ratio Lower Upper  
 252 100  
 254 65.2 51.4 77.2  
 126 115.8 10.7 16.1#



#80  
 Benzo(a)anthracene  
 Concen: 7.83 ng/ul  
 RT: 22.11 min Scan# 3281  
 Delta R.T. 0.29 min  
 Lab File: BG023807.D  
 Acq: 20 Aug 2016 8:25

Tgt Ion: 228 Resp: 374  
 Ion Ratio Lower Upper  
 228 100  
 229 20.0 15.4 23.2  
 226 31.3 22.8 34.2





#81

Bis(2-ethylhexyl)phthalate

Concen: 21.75 ng/ul

RT: 21.76 min Scan# 3221

Delta R.T. 0.06 min

Lab File: BG023807.D

Acq: 20 Aug 2016 8:25

Instrument :

BNA\_G

ClientSampleId :

JHPW9

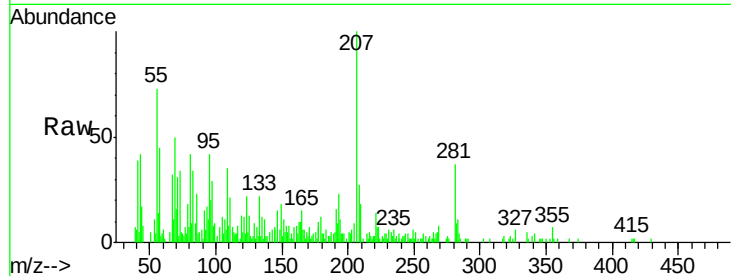
Tgt Ion:149 Resp: 646

Ion Ratio Lower Upper

149 100

167 32.5 21.9 32.9

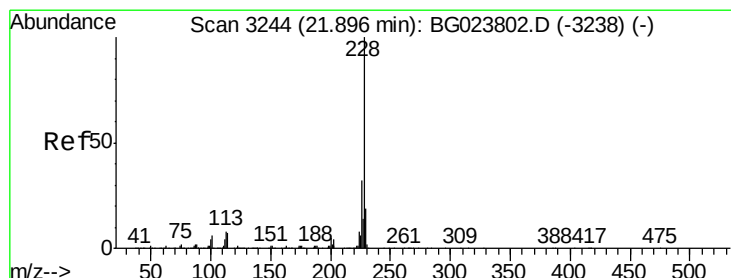
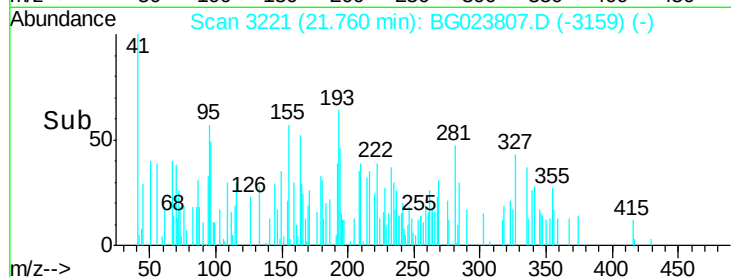
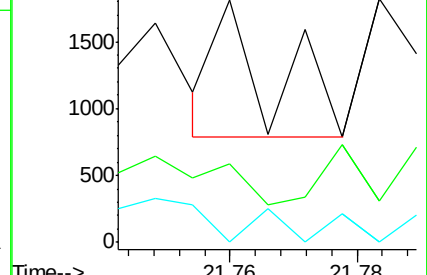
279 0.0 2.9 4.3#



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



#82

Chrysene

Concen: 8.70 ng/ul

RT: 22.11 min Scan# 3281

Delta R.T. 0.22 min

Lab File: BG023807.D

Acq: 20 Aug 2016 8:25

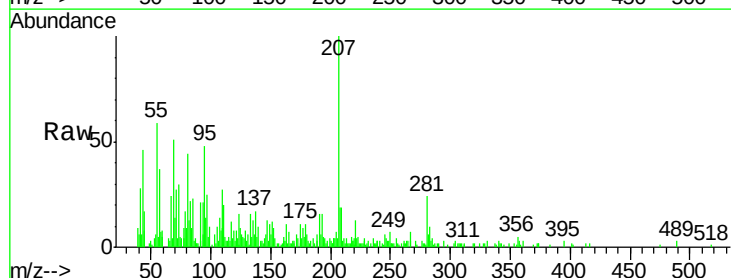
Tgt Ion:228 Resp: 374

Ion Ratio Lower Upper

228 100

226 31.3 24.2 36.4

229 20.0 15.0 22.6



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

