

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG063016\  
 Data File : BG022742.D  
 Acq On : 1 Jul 2016 1:00  
 Operator : UM/SJ  
 Sample : H3759-14  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BDHP4

Quant Time: Jul 01 03:38:37 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG063016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 01 03:35:17 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.16  | 152  | 102425   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.98 | 136  | 476605   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.80 | 164  | 386040   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.66 | 188  | 1744185  | 20.00 | ng/ul | 0.10     |
| 75) Chrysene-d12          | 21.97 | 240  | 1978     | 20.00 | ng/ul | 0.11     |
| 83) Perylene-d12          | 25.22 | 264  | 1116489  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |          |       |      |
|--------------------------------|-------|-----|---------|----------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.54  | 96  | 5705    | 3.11     | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.31  | 99  | 396355  | 36.79    | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.47  | 67  | 239040  | 39.35    | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.69  | 132 | 264518  | 36.76    | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.86  | 113 | 327968  | 39.19    | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.33  | 128 | 141179  | 37.15    | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.05 | 143 | 174926  | 38.16    | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.60 | 165 | 349844  | 36.50    | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.12 | 131 | 427662  | 52.69    | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.20 | 166 | 1264117 | 40.31    | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.49 | 160 | 1411055 | 39.26    | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.99 | 143 | 184870  | 37.54    | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.79 | 176 | 1190716 | 40.07    | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.00 | 200 | 471     | 0.04     | ng/ul | 0.09 |
| 70) Anthracene-d10             | 17.66 | 188 | 1744185 | 21.51    | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.94 | 212 | 2010720 | 21278.80 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 24.99 | 264 | 2092479 | 39.45    | ng/ul | 0.00 |

## Target Compounds

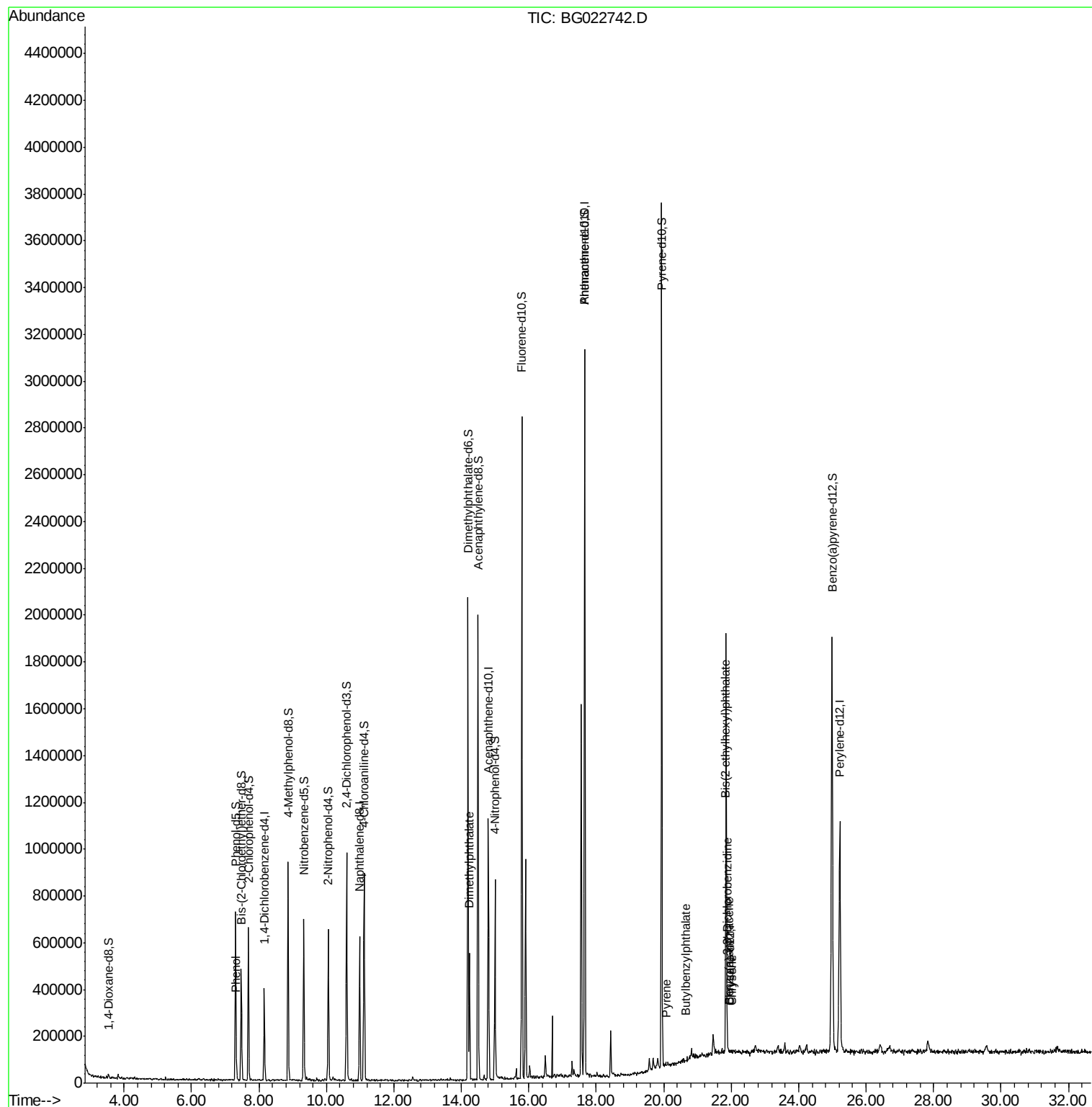
|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 6) Phenol                      | 7.33  | 94  | 12254  | 1.11  | ng/ul# | 64     |
| 44) Dimethylphthalate          | 14.24 | 163 | 327066 | 10.21 | ng/ul  | 97     |
| 77) Pyrene                     | 20.07 | 202 | 301    | 2.72  | ng/ul# | 1      |
| 78) Butylbenzylphthalate       | 20.66 | 149 | 725    | 16.88 | ng/ul  | 91     |
| 79) 3,3'-Dichlorobenzidine     | 21.88 | 252 | 359    | 9.58  | ng/ul# | 15     |
| 80) Benzo(a)anthracene         | 21.93 | 228 | 128    | 1.10  | ng/ul# | 51     |
| 81) Bis(2-ethylhexyl)phthalate | 21.83 | 149 | 388    | 7.00  | ng/ul# | 86     |
| 82) Chrysene                   | 22.02 | 228 | 455    | 4.31  | ng/ul# | 50     |

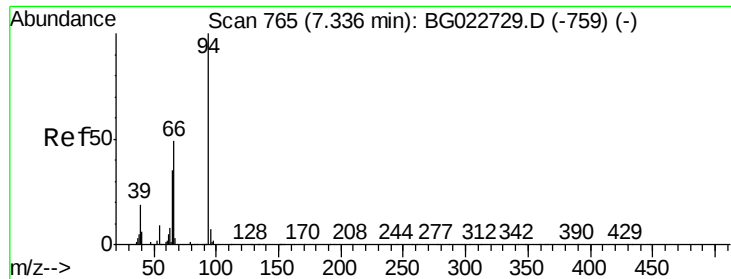
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 01 03:35:17 2016  
Response via : Initial Calibration





#6

Phenol

Concen: 1.11 ng/ul

RT: 7.33 min Scan# 765

Delta R.T. -0.00 min

Lab File: BG022742.D

Acq: 1 Jul 2016 1:00

Instrument :

BNA\_G

ClientSampleId :

BDHP4

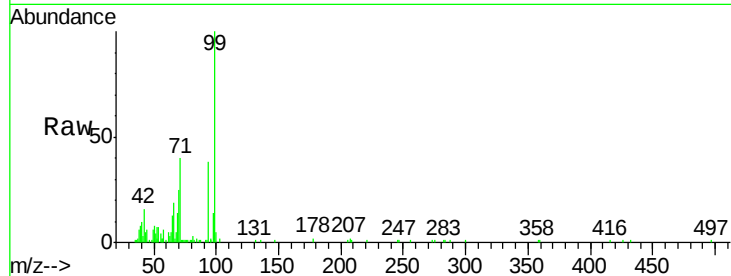
Tgt Ion: 94 Resp: 12254

Ion Ratio Lower Upper

94 100

65 33.3 16.8 25.2#

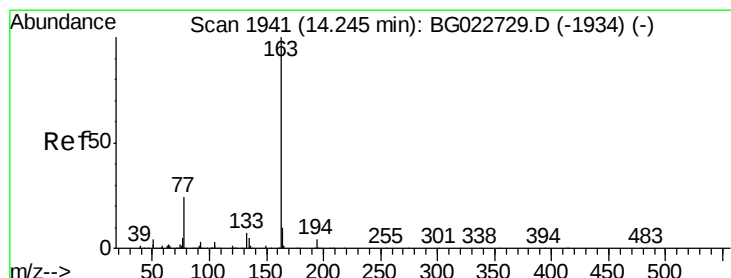
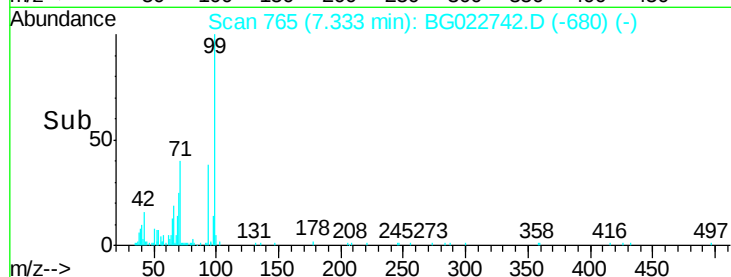
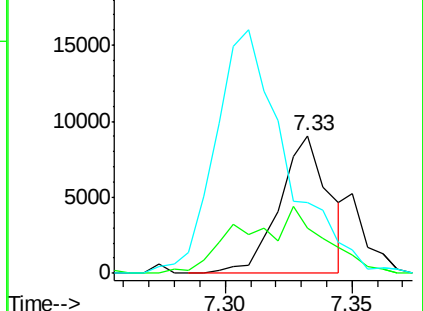
66 51.1 22.6 33.8#



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: 10.21 ng/ul

RT: 14.24 min Scan# 1941

Delta R.T. -0.00 min

Lab File: BG022742.D

Acq: 1 Jul 2016 1:00

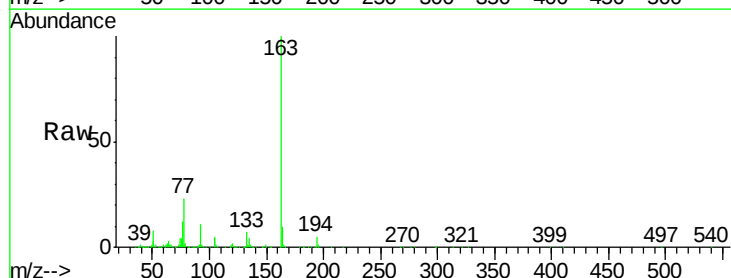
Tgt Ion: 163 Resp: 327066

Ion Ratio Lower Upper

163 100

194 4.9 3.4 5.2

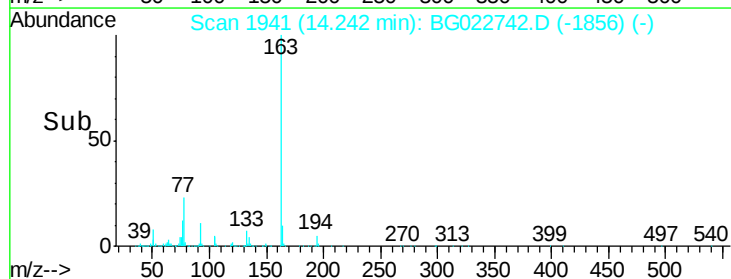
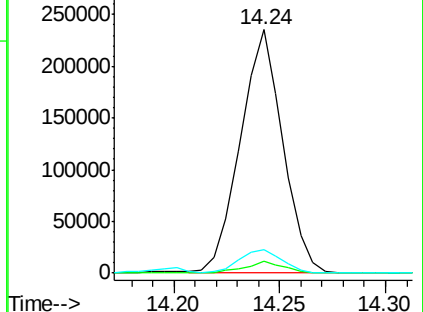
164 9.5 8.8 13.2

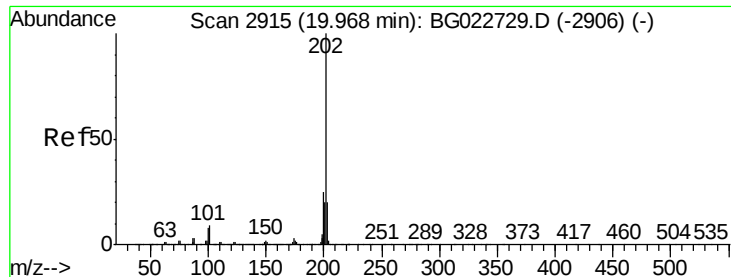


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#77

Pyrene

Concen: 2.72 ng/ul

RT: 20.07 min Scan# 2933

Delta R.T. 0.10 min

Lab File: BG022742.D

Acq: 1 Jul 2016 1:00

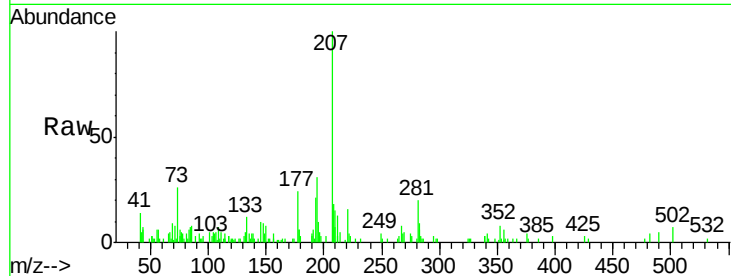
Instrument :

BNA\_G

ClientSampleId :

BDHP4

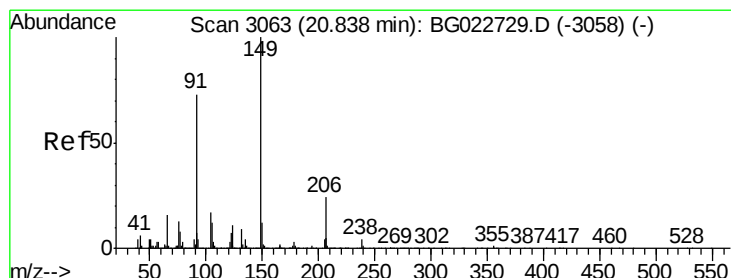
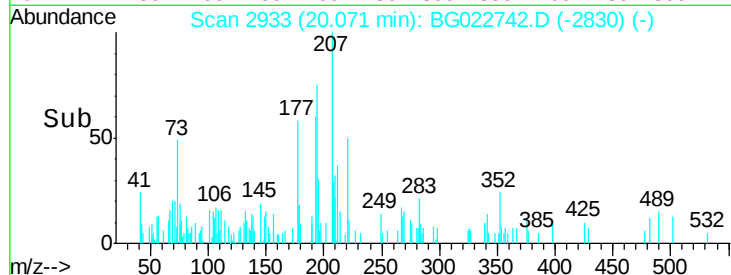
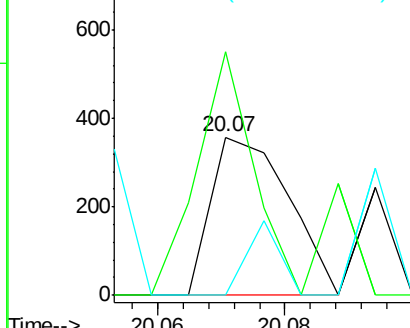
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 153.9 | 12.5  | 18.7# |
| 100     | 0.0   | 10.2  | 15.4# |



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): B



#78

Butylbenzylphthalate

Concen: 16.88 ng/ul

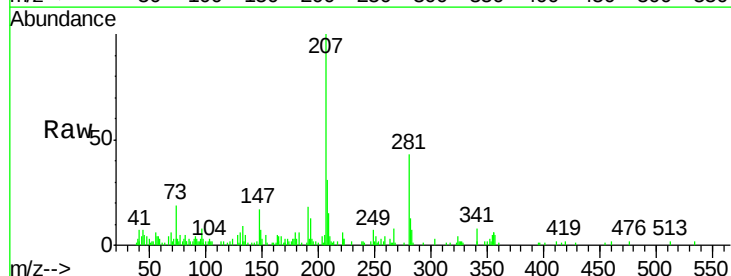
RT: 20.66 min Scan# 3033

Delta R.T. -0.18 min

Lab File: BG022742.D

Acq: 1 Jul 2016 1:00

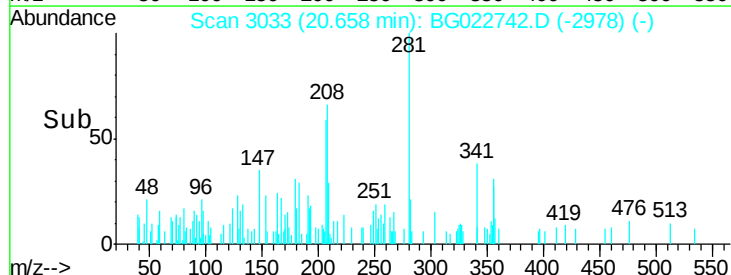
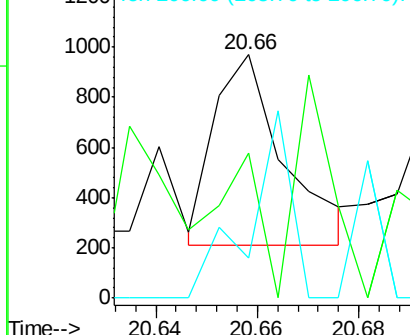
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 59.6  | 54.2  | 81.4  |
| 206     | 16.4  | 14.1  | 21.1  |

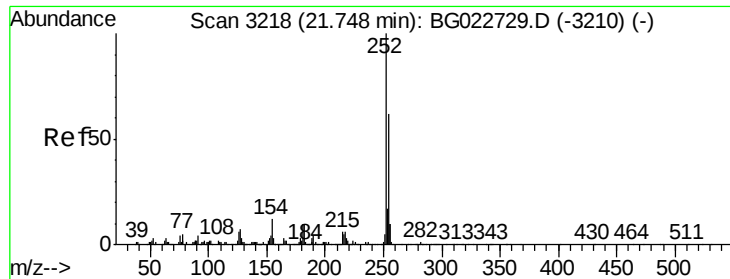


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): B

Ion 206.00 (205.70 to 206.70): E

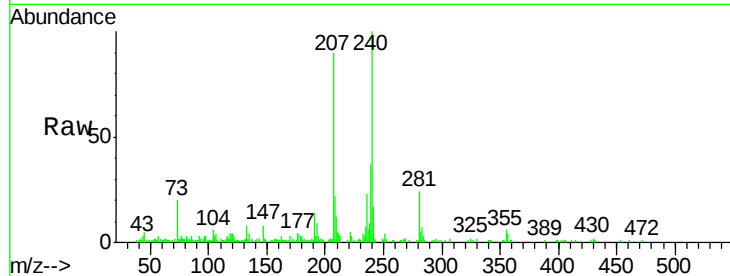




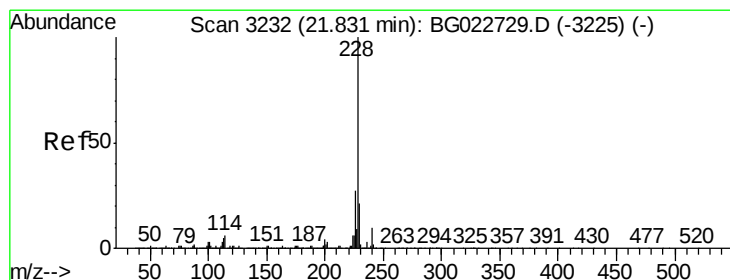
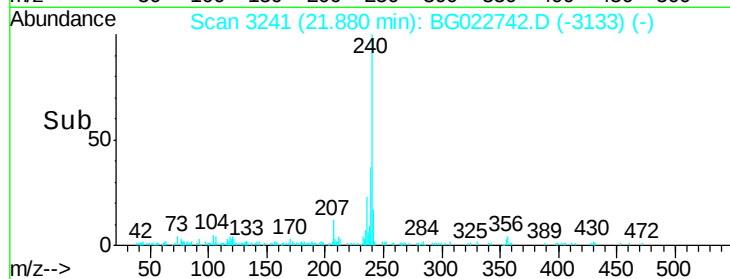
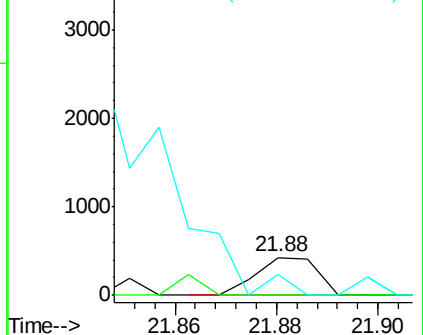
#79  
 3,3'-Dichlorobenzidine  
 Concen: 9.58 ng/ul  
 RT: 21.88 min Scan# 3241  
 Delta R.T. 0.13 min  
 Lab File: BG022742.D  
 Acq: 1 Jul 2016 1:00

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BDHP4

Tgt Ion: 252 Resp: 359  
 Ion Ratio Lower Upper  
 252 100  
 254 0.0 51.4 77.2#  
 126 54.2 10.7 16.1#

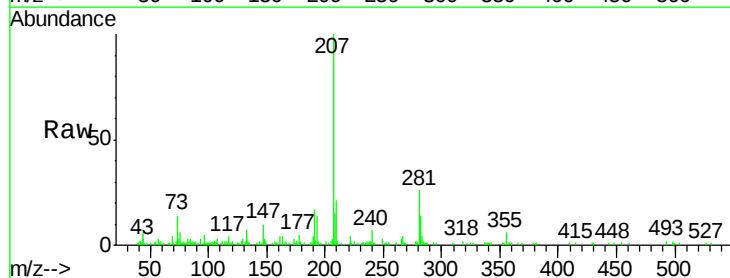


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

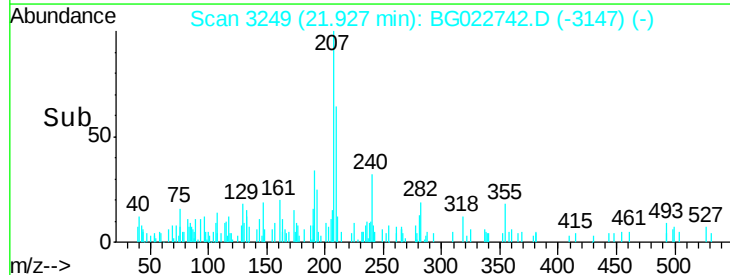
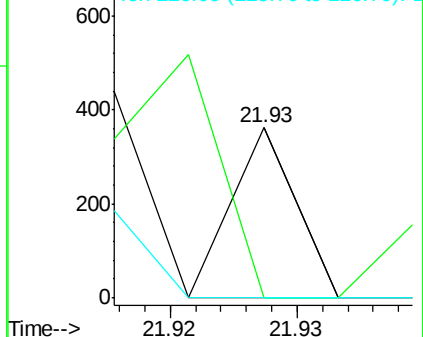


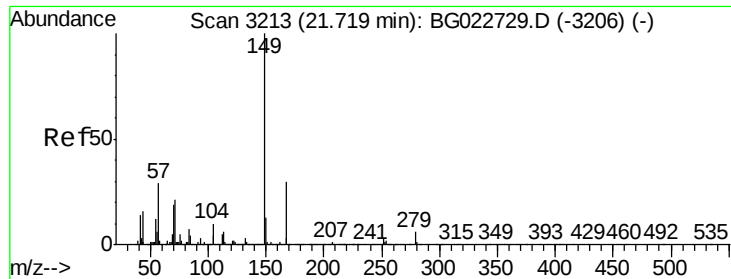
#80  
 Benzo(a)anthracene  
 Concen: 1.10 ng/ul  
 RT: 21.93 min Scan# 3249  
 Delta R.T. 0.10 min  
 Lab File: BG022742.D  
 Acq: 1 Jul 2016 1:00

Tgt Ion: 228 Resp: 128  
 Ion Ratio Lower Upper  
 228 100  
 229 0.0 15.4 23.2#  
 226 0.0 22.8 34.2#



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

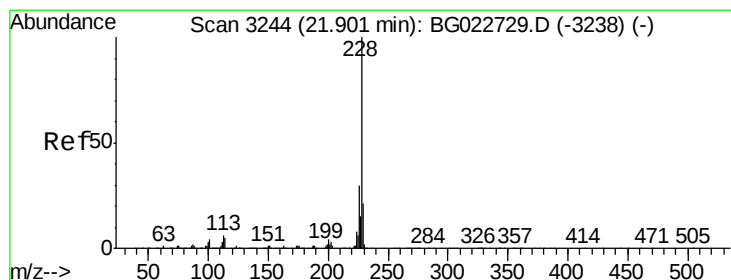
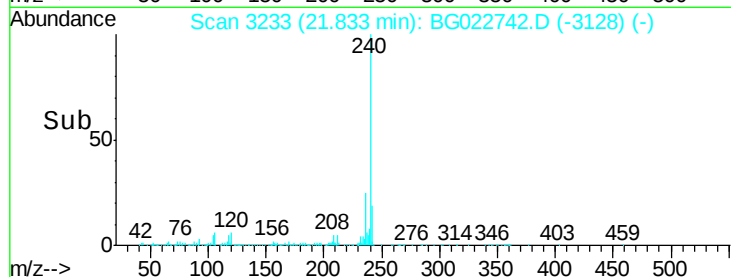
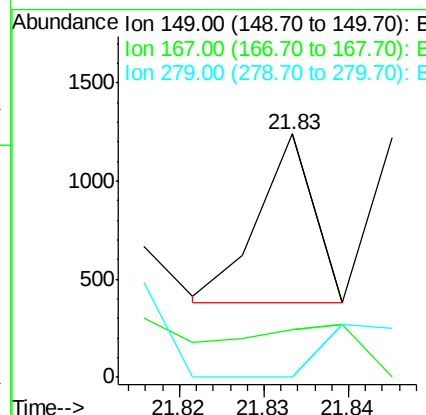
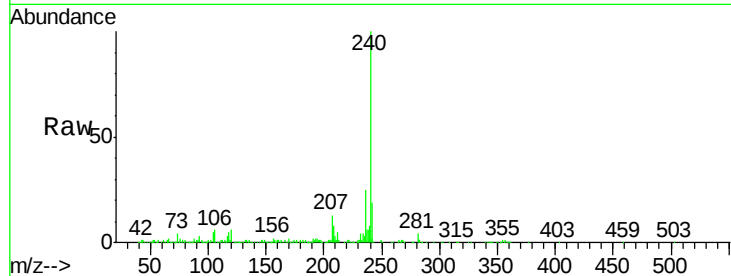




#81  
 Bis(2-ethylhexyl)phthalate  
 Concen: 7.00 ng/ul  
 RT: 21.83 min Scan# 3233  
 Delta R.T. 0.11 min  
 Lab File: BG022742.D  
 Acq: 1 Jul 2016 1:00

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BDHP4

Tgt Ion:149 Resp: 388  
 Ion Ratio Lower Upper  
 149 100  
 167 19.8 21.9 32.9#  
 279 0.0 2.9 4.3#



#82  
 Chrysene  
 Concen: 4.31 ng/ul  
 RT: 22.02 min Scan# 3264  
 Delta R.T. 0.11 min  
 Lab File: BG022742.D  
 Acq: 1 Jul 2016 1:00

Tgt Ion:228 Resp: 455  
 Ion Ratio Lower Upper  
 228 100  
 226 0.0 24.2 36.4#  
 229 0.0 15.0 22.6#

