

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030316\  
 Data File : BG021252.D  
 Acq On : 4 Mar 2016 2:51  
 Operator : UM/SJ  
 Sample : H1626-12MS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JHFJ8MS

Quant Time: Mar 04 07:17:25 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG030316.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 04 02:35:52 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.13  | 152  | 10782    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.94 | 136  | 51971    | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.74 | 164  | 29329    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.47 | 188  | 65945    | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.73 | 240  | 74948    | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.99 | 264  | 69126    | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.54  | 96  | 247    | 0.93  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.28  | 99  | 8361   | 7.32  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.45  | 67  | 23701  | 31.12 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.66  | 132 | 20458  | 25.68 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.83  | 113 | 14817  | 16.43 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.30  | 128 | 13040  | 30.97 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.02 | 143 | 14329  | 31.93 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.55 | 165 | 21926  | 27.34 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.08 | 131 | 1700   | 1.67  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.14 | 166 | 79904  | 32.51 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.44 | 160 | 100143 | 32.74 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.92 | 143 | 3239   | 6.76  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.73 | 176 | 71059  | 32.92 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.83 | 200 | 13874  | 29.32 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.57 | 188 | 109736 | 33.46 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.85 | 212 | 124875 | 32.91 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.77 | 264 | 121034 | 32.43 | ng/ul | 0.00 |

## Target Compounds

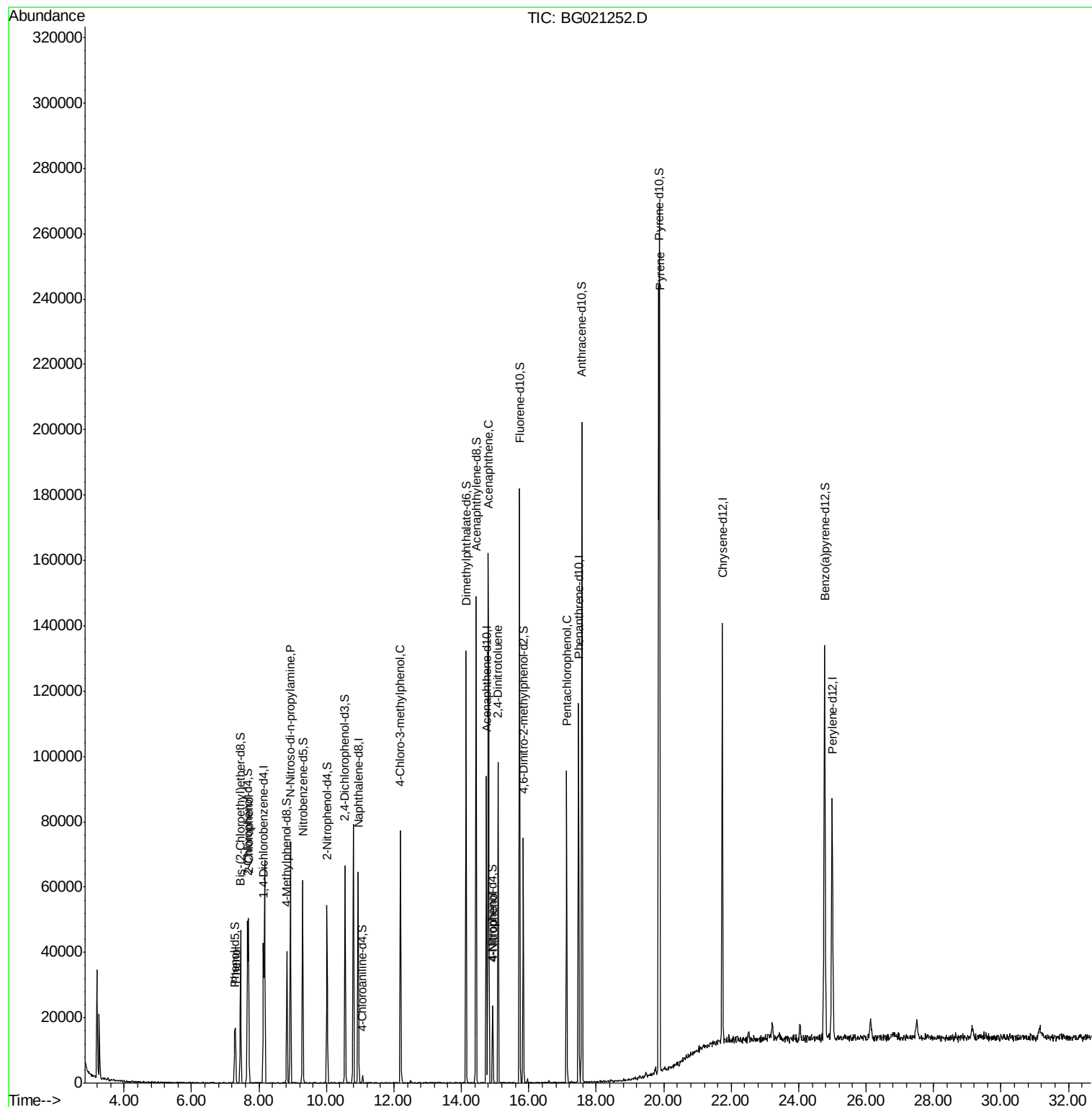
|                                |       |     |        |       |        | Ovalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 6) Phenol                      | 7.30  | 94  | 8930   | 7.25  | ng/ul  | 95     |
| 10) 2-Chlorophenol             | 7.69  | 128 | 20050  | 23.38 | ng/ul  | 98     |
| 15) N-Nitroso-di-n-propylamine | 8.93  | 70  | 28381  | 30.03 | ng/ul# | 97     |
| 33) 4-Chloro-3-methylphenol    | 12.19 | 107 | 26267  | 23.46 | ng/ul  | 99     |
| 50) Acenaphthene               | 14.80 | 153 | 66168  | 30.43 | ng/ul  | 96     |
| 53) 4-Nitrophenol              | 14.93 | 109 | 3689   | 6.37  | ng/ul  | 94     |
| 55) 2,4-Dinitrotoluene         | 15.09 | 165 | 23662  | 29.53 | ng/ul  | 98     |
| 69) Pentachlorophenol          | 17.12 | 266 | 14480  | 29.17 | ng/ul# | 90     |
| 80) Pvrene                     | 19.88 | 202 | 151151 | 30.10 | ng/ul  | 98     |

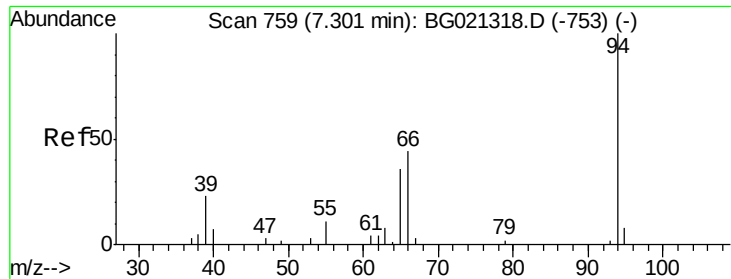
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 7.25 ng/ul

RT: 7.30 min Scan# 760

Delta R.T. -0.01 min

Lab File: BG021252.D

Acq: 4 Mar 2016 2:51

Instrument :

BNA\_G

ClientSampleId :

JHFJ8MS

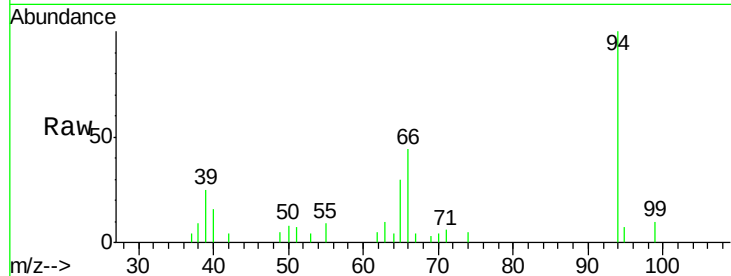
Tot Ion: 94 Resp: 8930

Ion Ratio Lower Upper

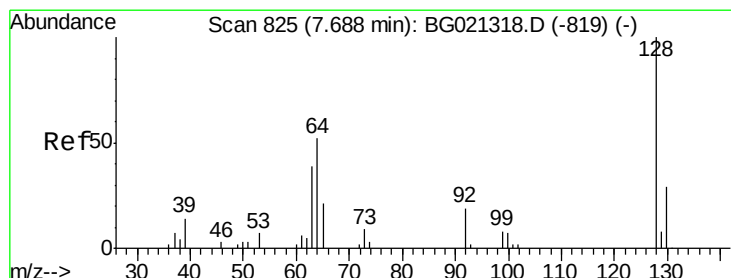
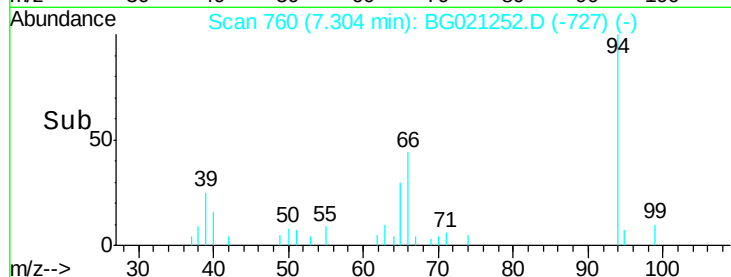
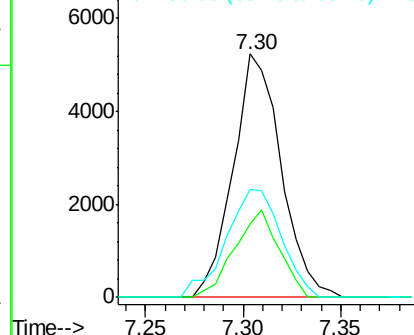
94 100

65 29.9 28.6 42.8

66 44.1 35.5 53.3



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



#10

2-Chlorophenol

Concen: 23.38 ng/ul

RT: 7.69 min Scan# 826

Delta R.T. 0.00 min

Lab File: BG021252.D

Acq: 4 Mar 2016 2:51

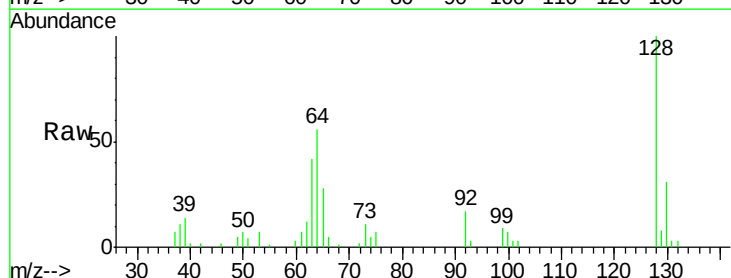
Tgt Ion: 128 Resp: 20050

Ion Ratio Lower Upper

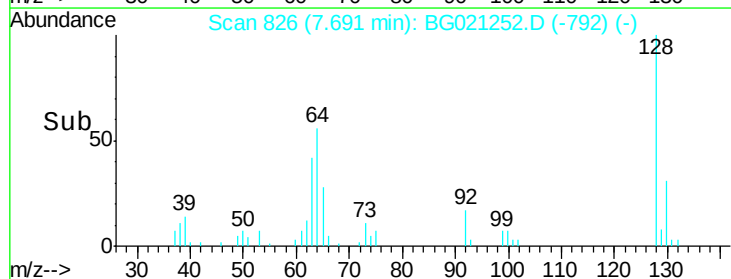
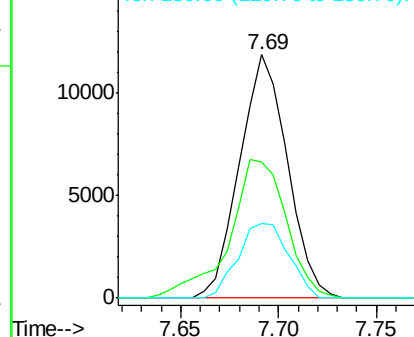
128 100

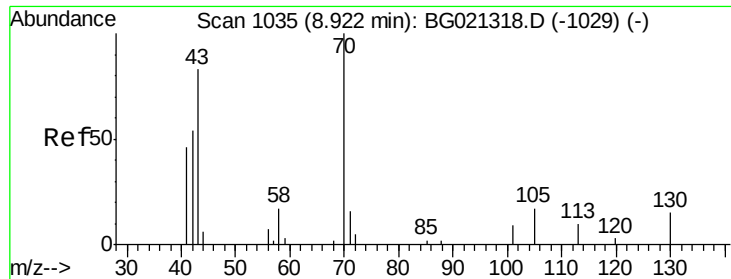
64 56.0 45.4 68.2

130 30.7 25.6 38.4



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 130.00 (129.70 to 130.70): E





#15

N-Nitroso-di-n-propylamine

Concen: 30.03 ng/ul

RT: 8.93 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BG021252.D

Acq: 4 Mar 2016 2:51

Instrument :

BNA\_G

ClientSampleId :

JHFJ8MS

Tot Ion: 70 Resp: 28381

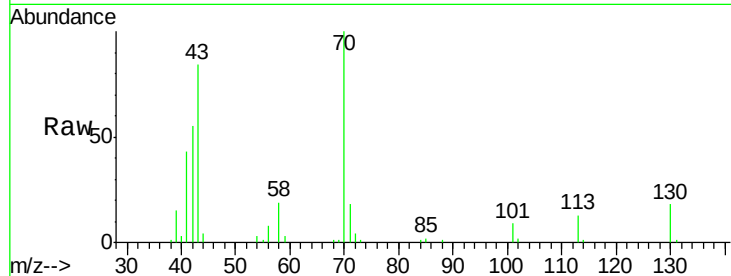
Ion Ratio Lower Upper

70 100

42 54.8 45.7 68.5

101 8.7 5.7 8.5#

130 17.8 15.7 23.5

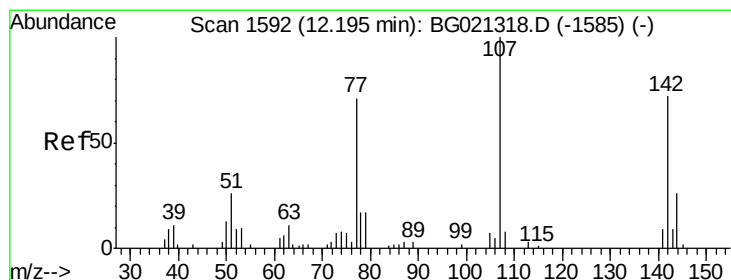
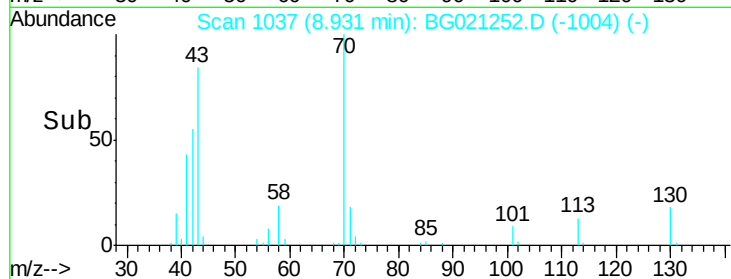
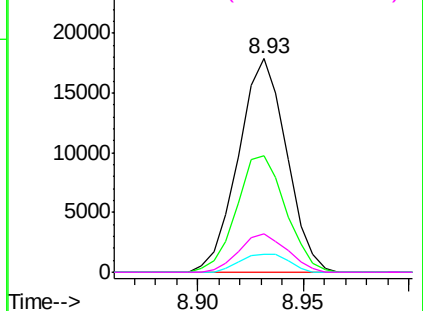


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#33

4-Chloro-3-methylphenol

Concen: 23.46 ng/ul

RT: 12.19 min Scan# 1592

Delta R.T. -0.01 min

Lab File: BG021252.D

Acq: 4 Mar 2016 2:51

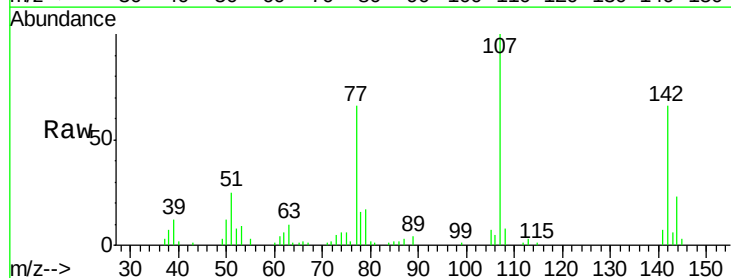
Tgt Ion: 107 Resp: 26267

Ion Ratio Lower Upper

107 100

144 23.1 19.4 29.2

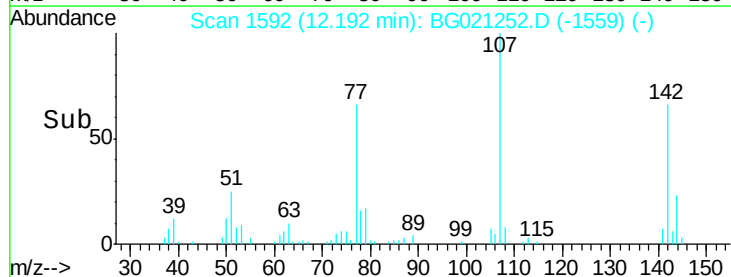
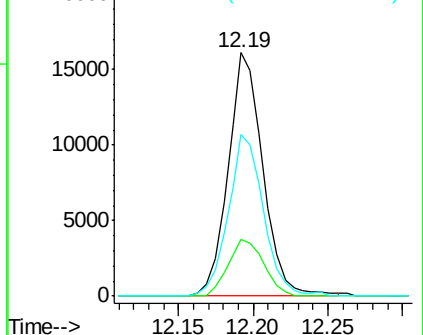
142 66.4 53.0 79.4

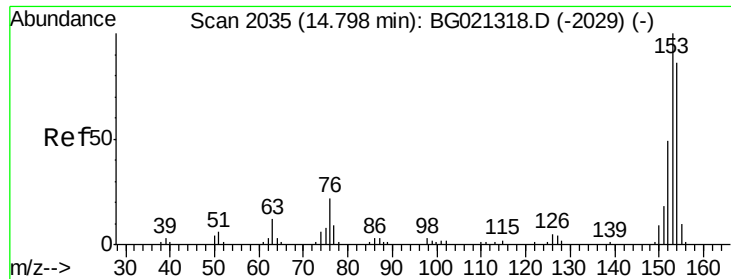


Abundance Ion 107.00 (106.70 to 107.70): BGC

Ion 144.00 (143.70 to 144.70): BGC

Ion 142.00 (141.70 to 142.70): BGC





#50

Acenaphthene

Concen: 30.43 ng/ul

RT: 14.80 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BG021252.D

Acq: 4 Mar 2016 2:51

Instrument :

BNA\_G

ClientSampled :

JHFJ8MS

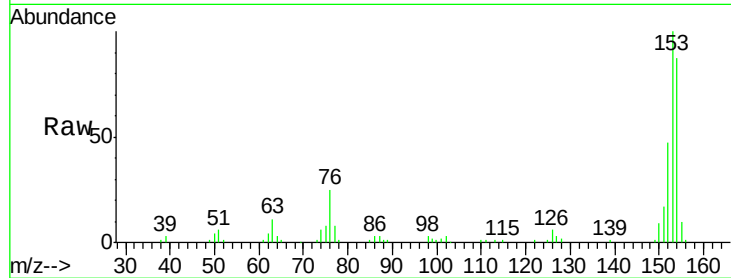
Tot Ion:153 Resp: 66168

Ion Ratio Lower Upper

153 100

152 47.0 39.0 58.6

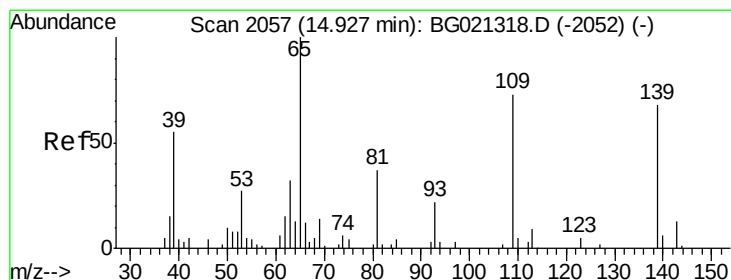
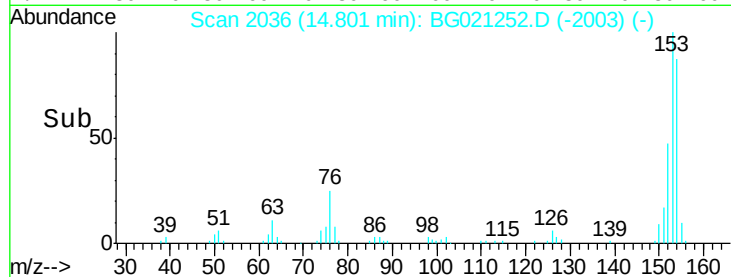
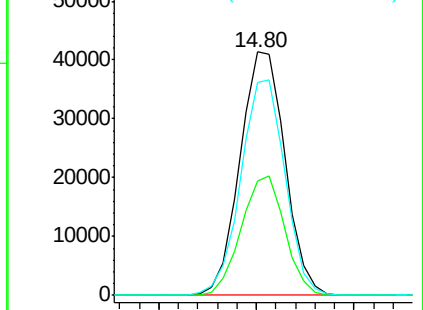
154 87.4 66.8 100.2



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

4-Nitrophenol

Concen: 6.37 ng/ul

RT: 14.93 min Scan# 2058

Delta R.T. -0.01 min

Lab File: BG021252.D

Acq: 4 Mar 2016 2:51

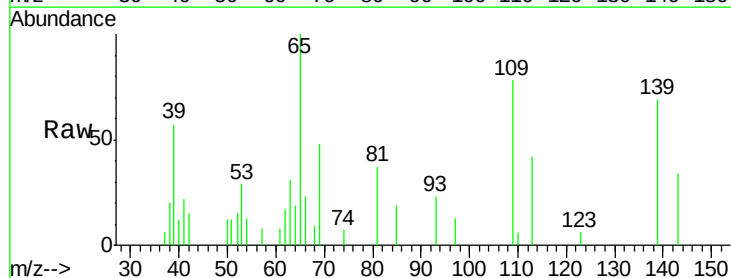
Tgt Ion:109 Resp: 3689

Ion Ratio Lower Upper

109 100

139 88.2 78.2 117.4

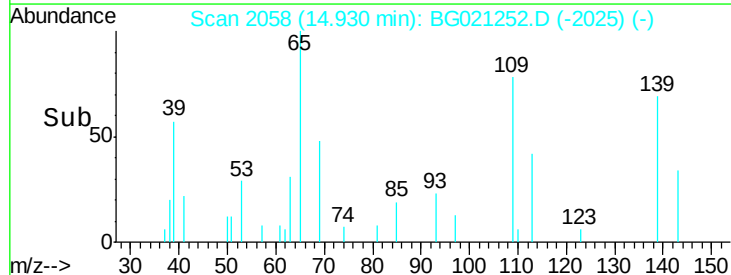
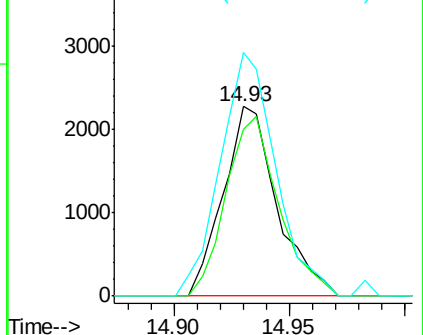
65 128.5 105.3 157.9

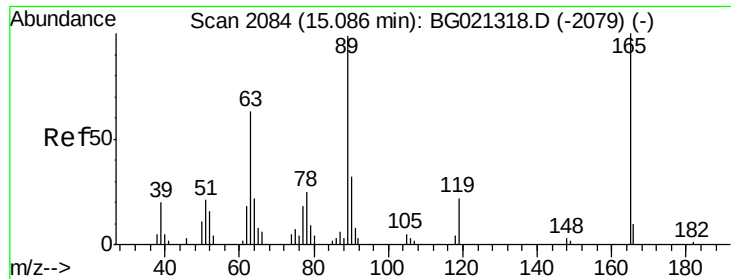


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BG

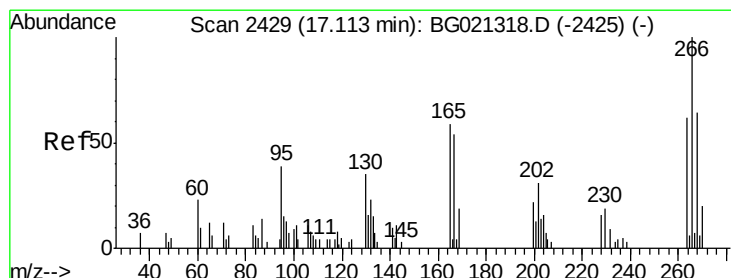
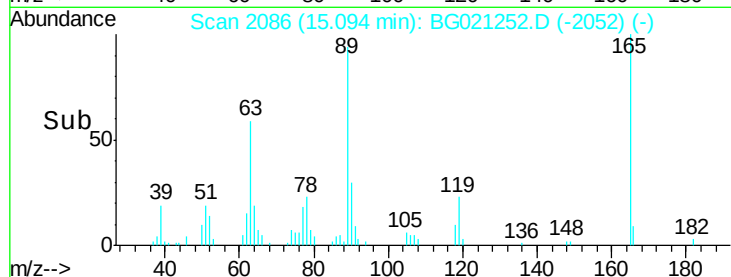
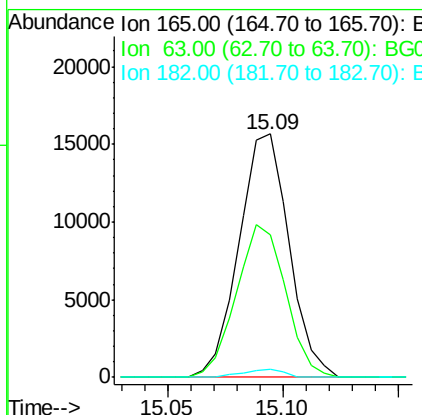
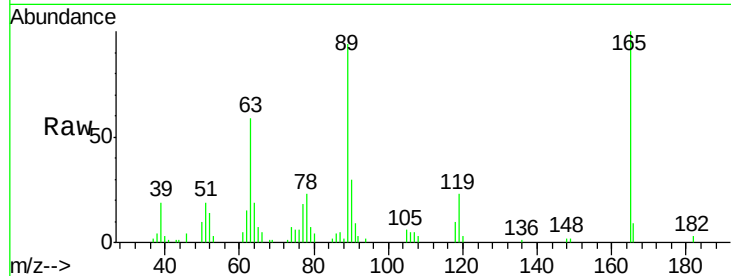




#55  
 2,4-Dinitrotoluene  
 Concen: 29.53 ng/ul  
 RT: 15.09 min Scan# 2086  
 Delta R.T. 0.00 min  
 Lab File: BG021252.D  
 Acq: 4 Mar 2016 2:51

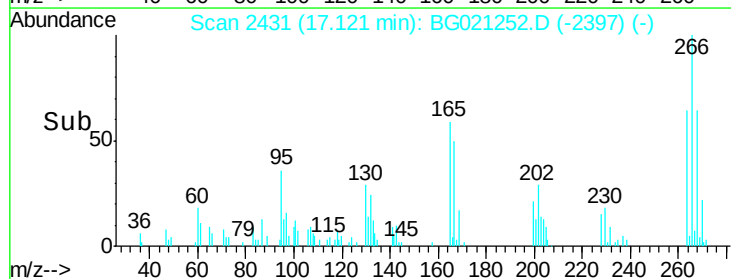
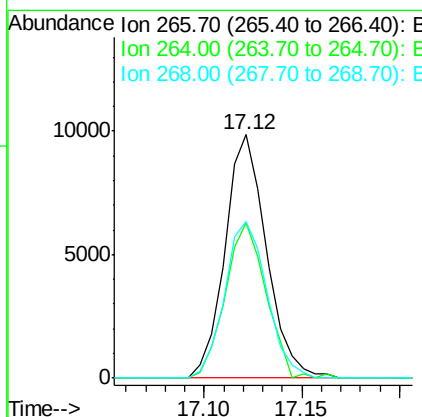
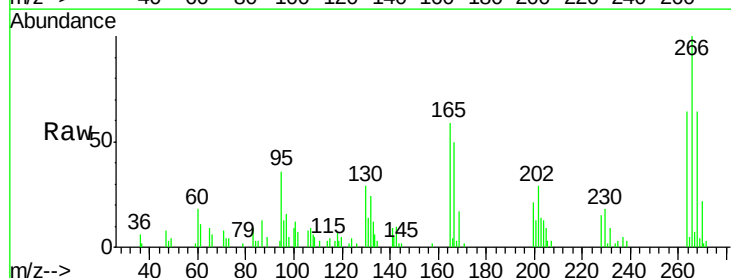
Instrument :  
 BNA\_G  
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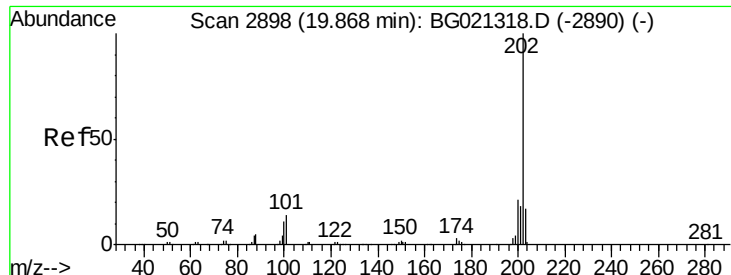
Tot Ion:165 Resp: 23662  
 Ion Ratio Lower Upper  
 165 100  
 63 58.6 45.8 68.6  
 182 3.3 2.5 3.7



#69  
 Pentachlorophenol  
 Concen: 29.17 ng/ul  
 RT: 17.12 min Scan# 2431  
 Delta R.T. 0.00 min  
 Lab File: BG021252.D  
 Acq: 4 Mar 2016 2:51

Tgt Ion:266 Resp: 14480  
 Ion Ratio Lower Upper  
 266 100  
 264 68.3 45.3 67.9#  
 268 68.3 58.0 87.0

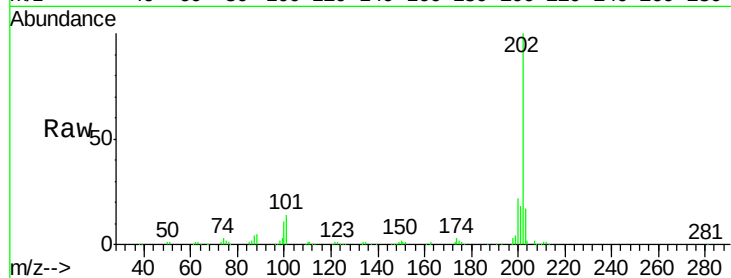




#80  
 Pvrene  
 Concen: 30.10 ng/ul  
 RT: 19.88 min Scan# 2900  
 Delta R.T. 0.00 min  
 Lab File: BG021252.D  
 Acq: 4 Mar 2016 2:51

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JHFJ8MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 13.6  | 11.0  | 16.4  |
| 100     | 11.5  | 8.1   | 12.1  |



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

