

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
 Data File : BG022000.D  
 Acq On : 22 May 2016 5:19  
 Operator : UM/SJ  
 Sample : H3124-09MSD  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JHGG8MSD

Quant Time: May 23 18:22:15 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon May 23 17:16:55 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.16  | 152  | 45823    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.98 | 136  | 229397   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.79 | 164  | 130894   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.53 | 188  | 268283   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.81 | 240  | 260422   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.14 | 264  | 230745   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.54  | 96  | 5269   | 5.99  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.31  | 99  | 129966 | 31.39 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.48  | 67  | 72835  | 33.56 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.69  | 132 | 108663 | 31.40 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.86  | 113 | 109742 | 31.25 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.33  | 128 | 57980  | 34.27 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.05 | 143 | 61399  | 33.50 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.59 | 165 | 103731 | 32.08 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.11 | 131 | 150099 | 42.63 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.18 | 166 | 352742 | 35.88 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.48 | 160 | 469730 | 34.21 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.98 | 143 | 55446  | 32.75 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.77 | 176 | 316677 | 34.40 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.89 | 200 | 42170  | 30.07 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.62 | 188 | 446120 | 34.65 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.90 | 212 | 494408 | 33.67 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 24.92 | 264 | 407142 | 38.03 | ng/ul | 0.00 |

## Target Compounds

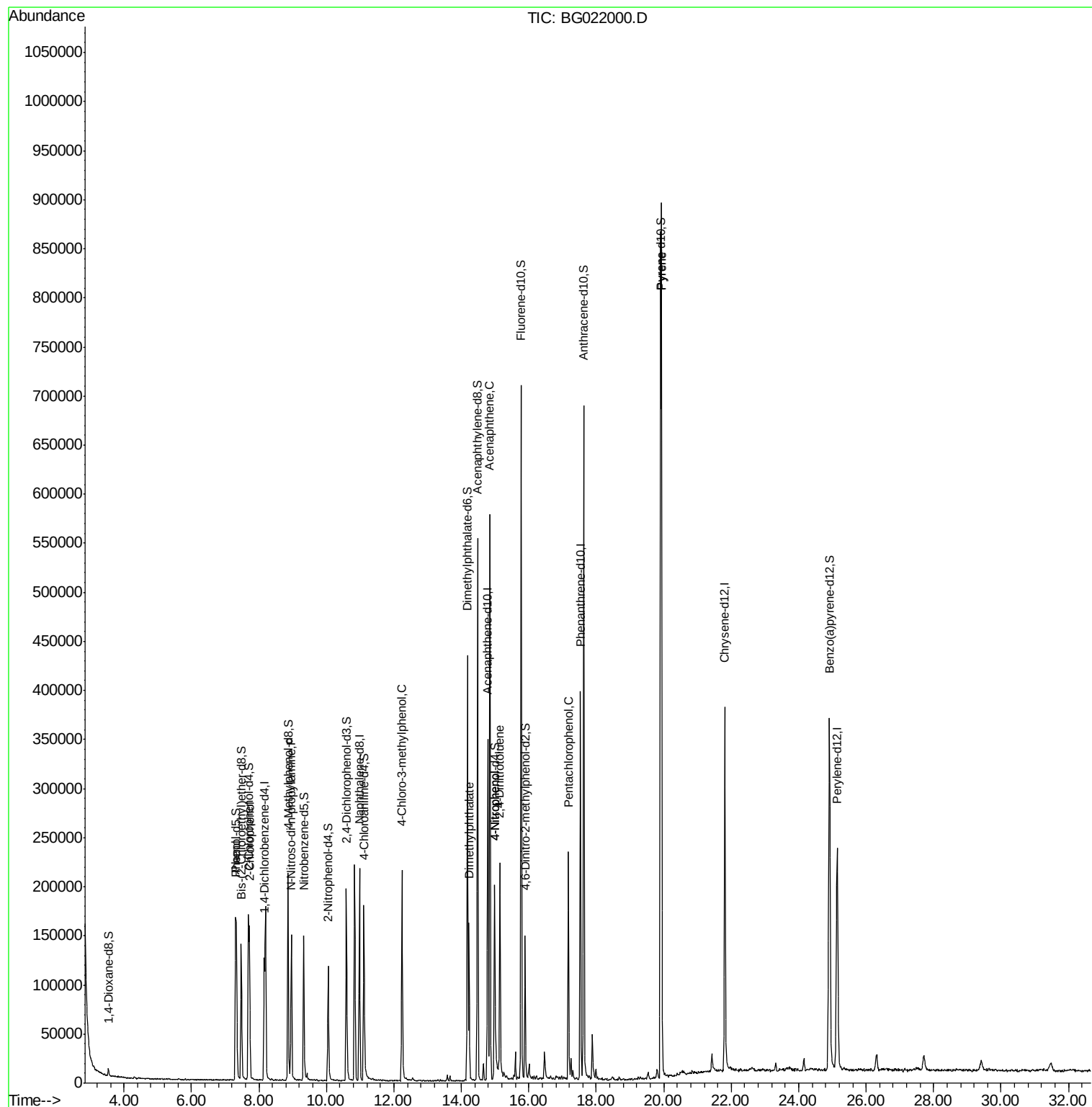
|                                |       |     |        |       |       | Qvalue |
|--------------------------------|-------|-----|--------|-------|-------|--------|
| 6) Phenol                      | 7.34  | 94  | 113201 | 27.15 | ng/ul | 98     |
| 10) 2-Chlorophenol             | 7.72  | 128 | 92901  | 27.23 | ng/ul | 96     |
| 15) N-Nitroso-di-n-propylamine | 8.96  | 70  | 77188  | 30.44 | ng/ul | 99     |
| 33) 4-Chloro-3-methylphenol    | 12.24 | 107 | 102362 | 30.29 | ng/ul | 96     |
| 44) Dimethylphthalate          | 14.23 | 163 | 128034 | 12.96 | ng/ul | 99     |
| 49) Acenaphthene               | 14.85 | 153 | 285620 | 29.57 | ng/ul | 99     |
| 52) 4-Nitrophenol              | 14.99 | 109 | 29187  | 30.57 | ng/ul | 98     |
| 54) 2,4-Dinitrotoluene         | 15.14 | 165 | 89893  | 31.46 | ng/ul | 100    |
| 68) Pentachlorophenol          | 17.18 | 266 | 48288  | 29.47 | ng/ul | 97     |
| 77) Pyrene                     | 19.93 | 202 | 539163 | 29.42 | ng/ul | 97     |

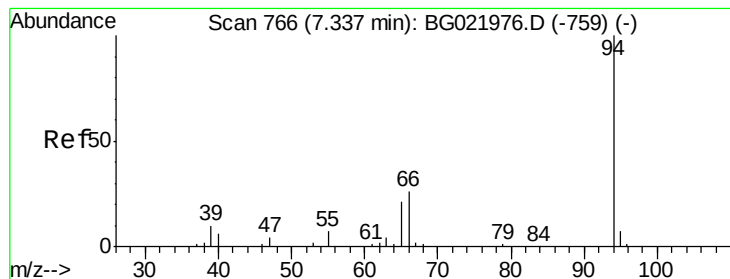
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052116\  
Data File : BG022000.D  
Acq On : 22 May 2016 5:19  
Operator : UM/SJ  
Sample : H3124-09MSD  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHGG8MSD

Quant Time: May 23 18:22:15 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052116.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon May 23 17:16:55 2016  
Response via : Initial Calibration





#6

Phenol

Concen: 27.15 ng/ul

RT: 7.34 min Scan# 765

Delta R.T. -0.00 min

Lab File: BG022000.D

Acq: 22 May 2016 5:19

Instrument :

BNA\_G

ClientSampleId :

JHGG8MSD

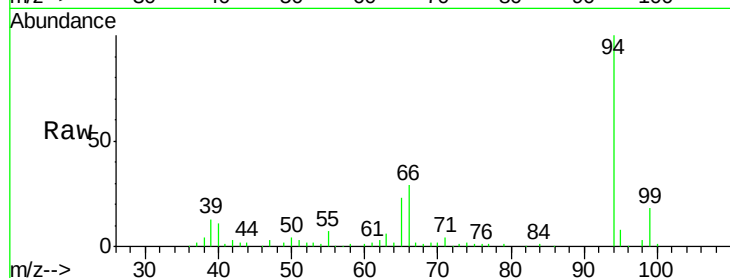
Tgt Ion: 94 Resp: 113201

Ion Ratio Lower Upper

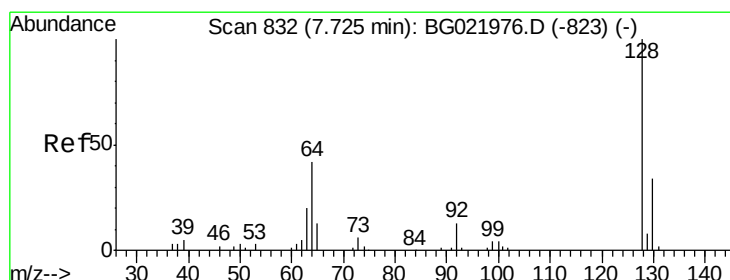
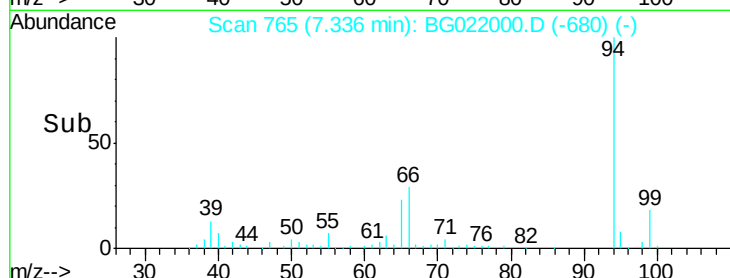
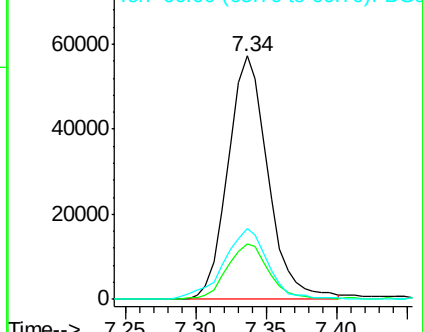
94 100

65 22.6 16.8 25.2

66 28.9 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



#10

2-Chlorophenol

Concen: 27.23 ng/ul

RT: 7.72 min Scan# 830

Delta R.T. -0.01 min

Lab File: BG022000.D

Acq: 22 May 2016 5:19

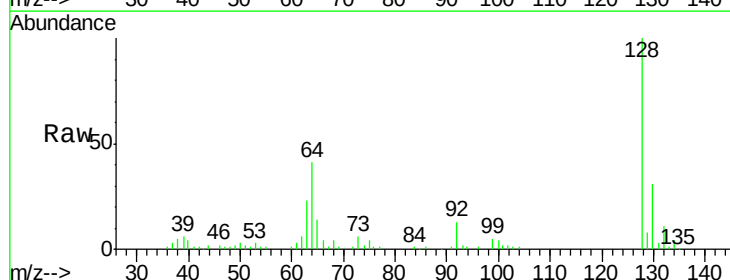
Tgt Ion: 128 Resp: 92901

Ion Ratio Lower Upper

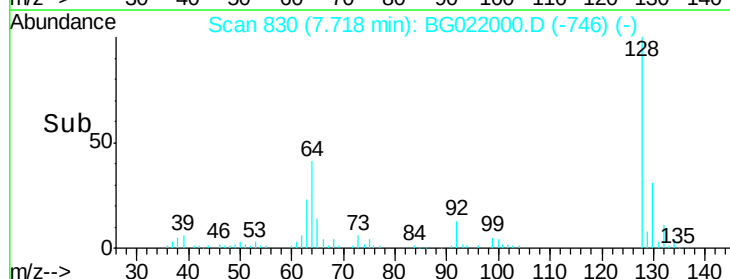
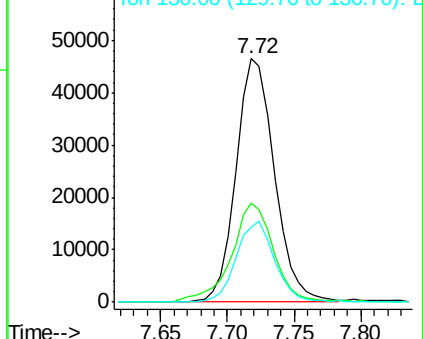
128 100

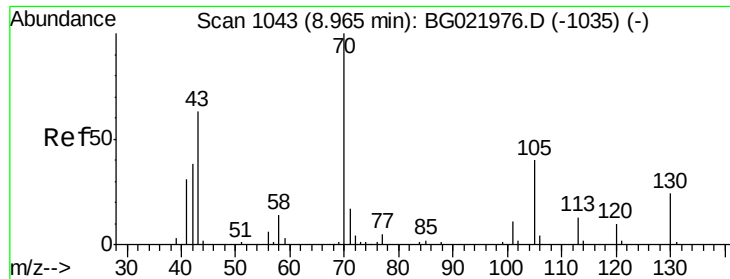
64 40.7 34.2 51.4

130 30.7 27.0 40.4



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

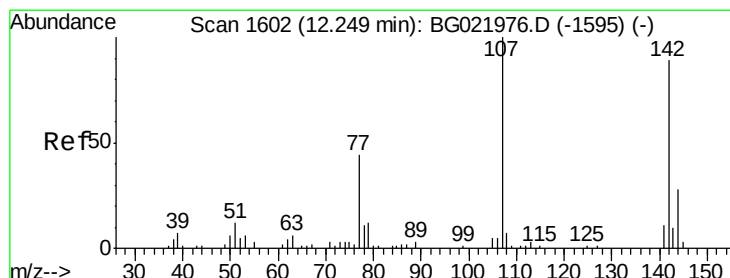
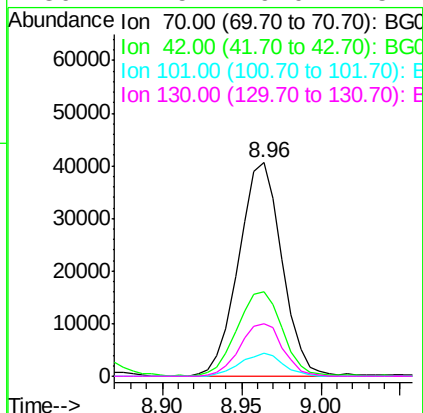
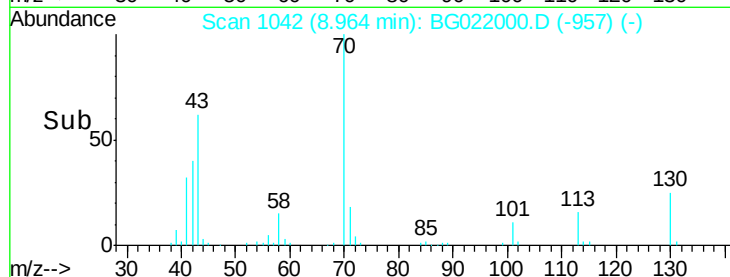
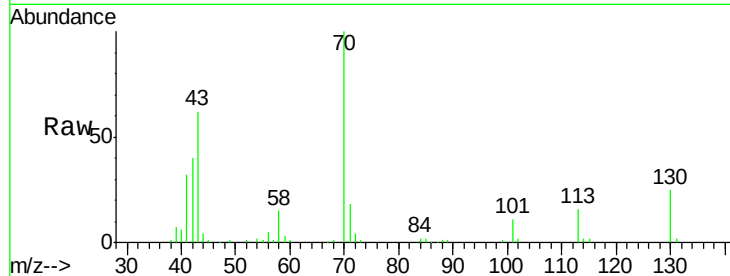




#15  
N-Nitroso-di-n-propylamine  
Concen: 30.44 ng/ul  
RT: 8.96 min Scan# 1042  
Delta R.T. -0.00 min  
Lab File: BG022000.D  
Acq: 22 May 2016 5:19

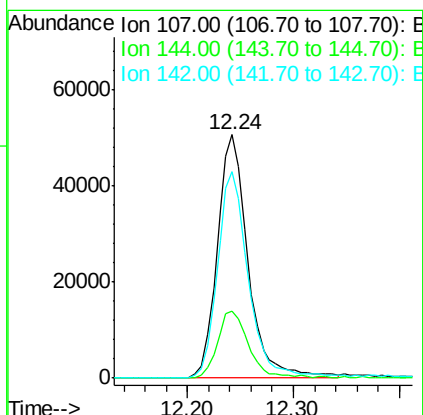
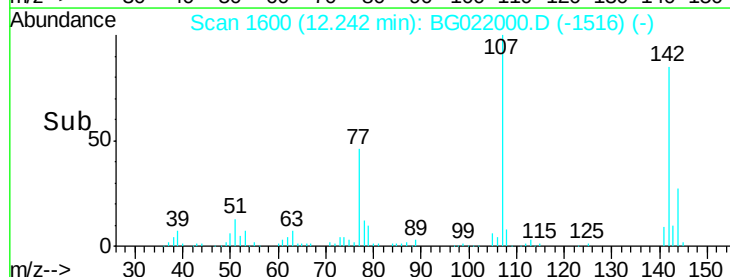
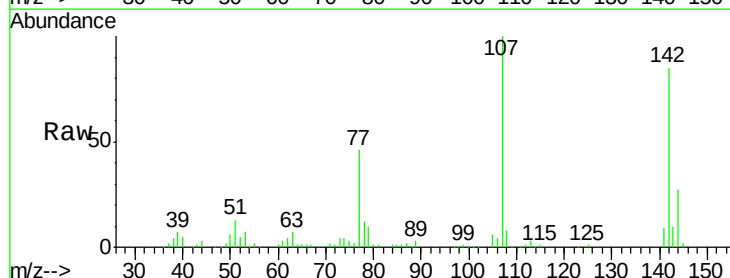
Instrument :  
BNA\_G  
ClientSampleId :  
JHGG8MSD

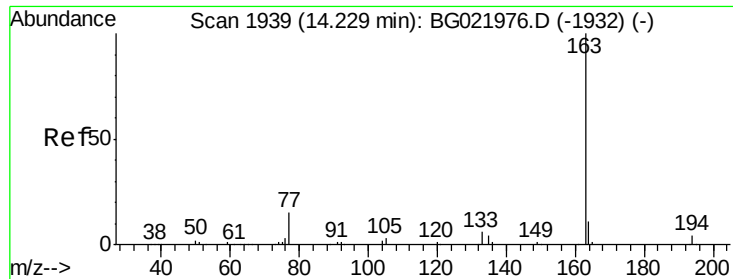
Tgt Ion: 70 Resp: 77188  
Ion Ratio Lower Upper  
70 100  
42 39.7 31.4 47.2  
101 11.0 8.6 13.0  
130 24.5 19.0 28.4



#33  
4-Chloro-3-methylphenol  
Concen: 30.29 ng/ul  
RT: 12.24 min Scan# 1600  
Delta R.T. -0.01 min  
Lab File: BG022000.D  
Acq: 22 May 2016 5:19

Tgt Ion: 107 Resp: 102362  
Ion Ratio Lower Upper  
107 100  
144 27.4 22.7 34.1  
142 84.6 71.6 107.4

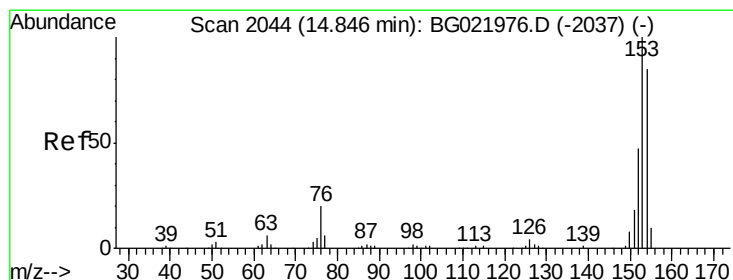
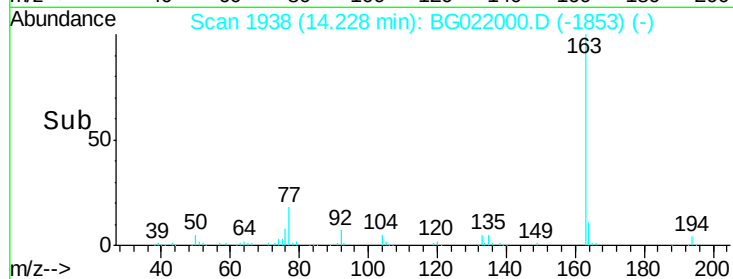
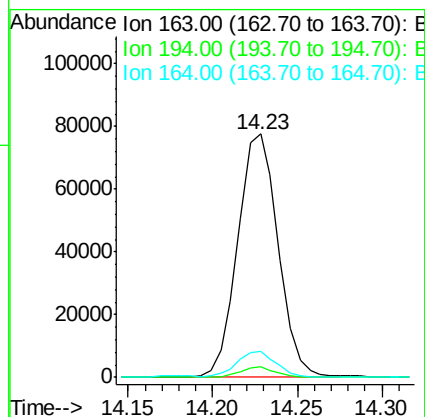
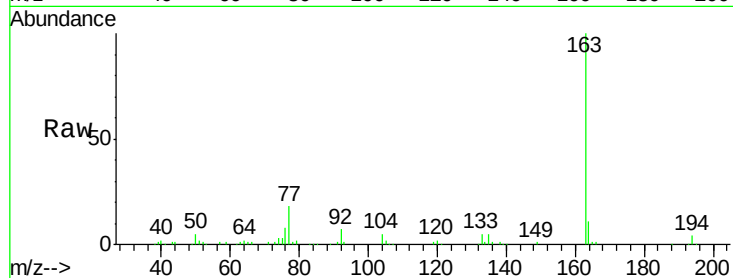




#44  
Dimethylphthalate  
Concen: 12.96 ng/ul  
RT: 14.23 min Scan# 1938  
Delta R.T. -0.00 min  
Lab File: BG022000.D  
Acq: 22 May 2016 5:19

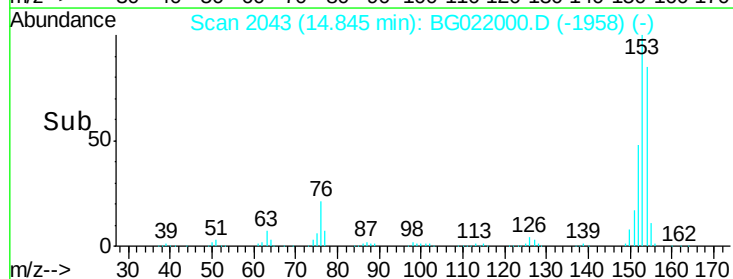
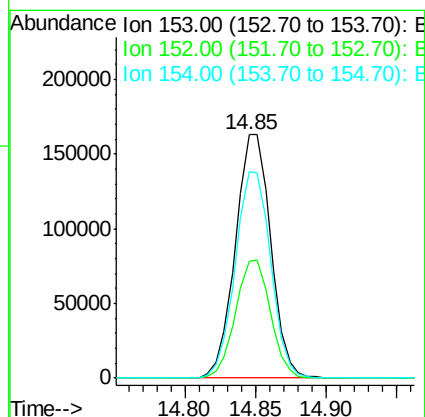
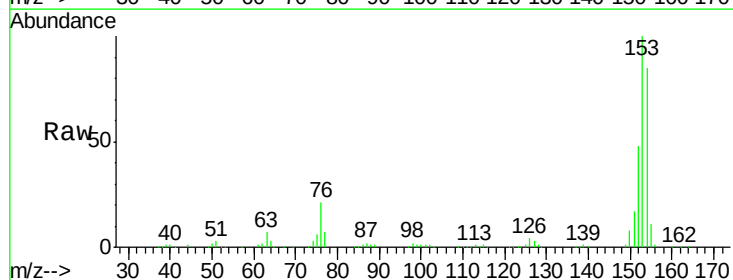
Instrument :  
BNA\_G  
ClientSampleId :  
JHGG8MSD

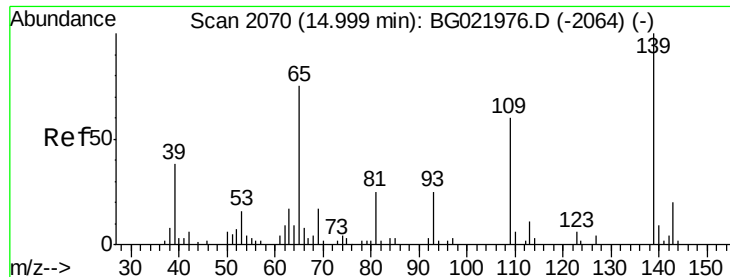
Tgt Ion:163 Resp: 128034  
Ion Ratio Lower Upper  
163 100  
194 4.3 3.4 5.2  
164 10.7 8.8 13.2



#49  
Acenaphthene  
Concen: 29.57 ng/ul  
RT: 14.85 min Scan# 2043  
Delta R.T. -0.00 min  
Lab File: BG022000.D  
Acq: 22 May 2016 5:19

Tgt Ion:153 Resp: 285620  
Ion Ratio Lower Upper  
153 100  
152 48.3 37.3 55.9  
154 84.7 68.2 102.2





#52

4-Nitrophenol

Concen: 30.57 ng/ul

RT: 14.99 min Scan# 2068

Delta R.T. -0.01 min

Lab File: BG022000.D

Acq: 22 May 2016 5:19

Instrument :

BNA\_G

ClientSampleId :

JHGG8MSD

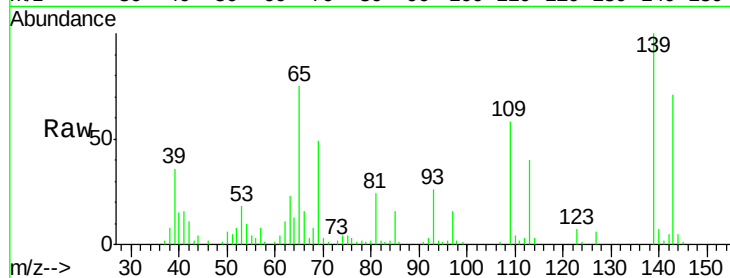
Tgt Ion:109 Resp: 29187

Ion Ratio Lower Upper

109 100

139 173.9 136.1 204.1

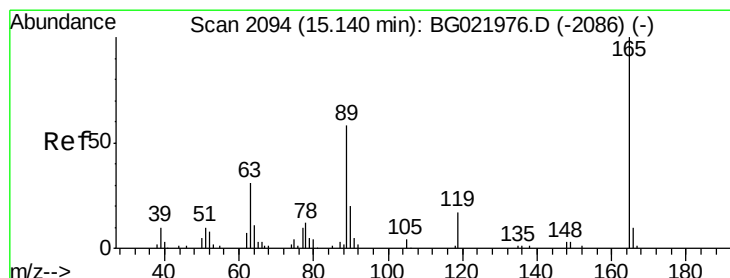
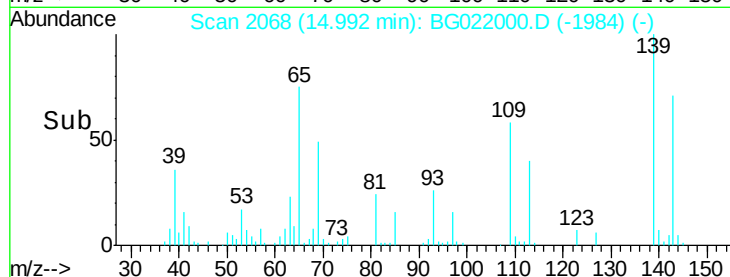
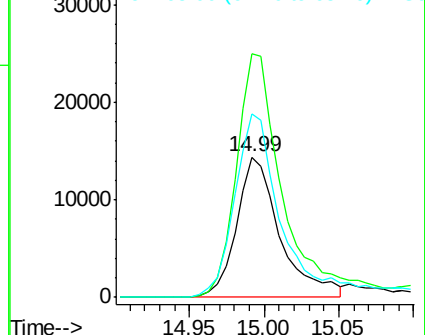
65 130.7 106.0 159.0



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): BGC



#54

2,4-Dinitrotoluene

Concen: 31.46 ng/ul

RT: 15.14 min Scan# 2094

Delta R.T. 0.00 min

Lab File: BG022000.D

Acq: 22 May 2016 5:19

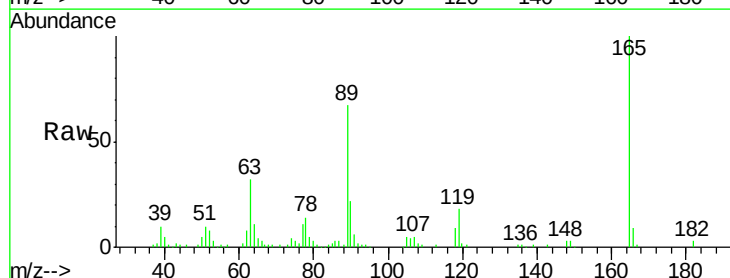
Tgt Ion:165 Resp: 89893

Ion Ratio Lower Upper

165 100

63 32.1 25.7 38.5

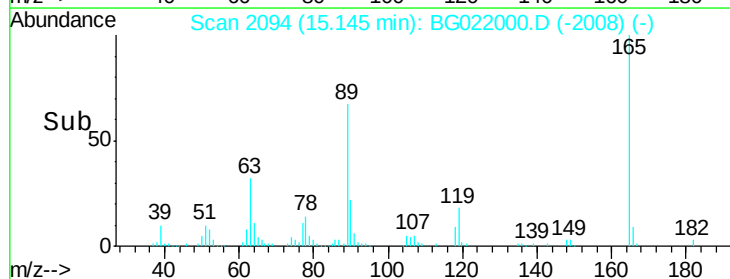
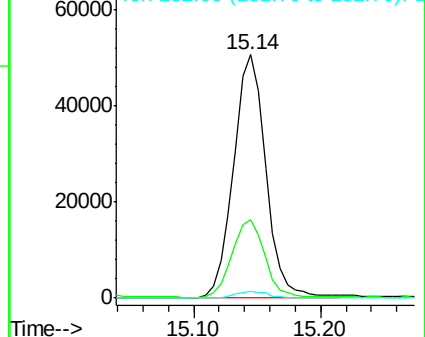
182 2.7 2.1 3.1

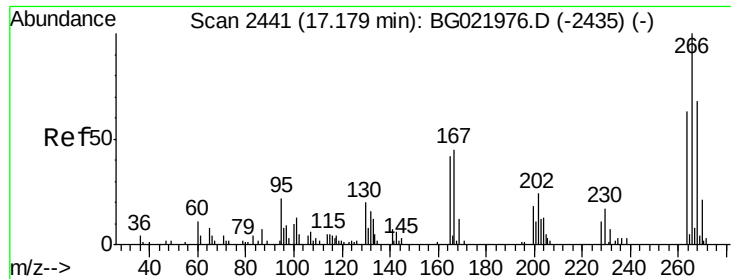


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 182.00 (181.70 to 182.70): E

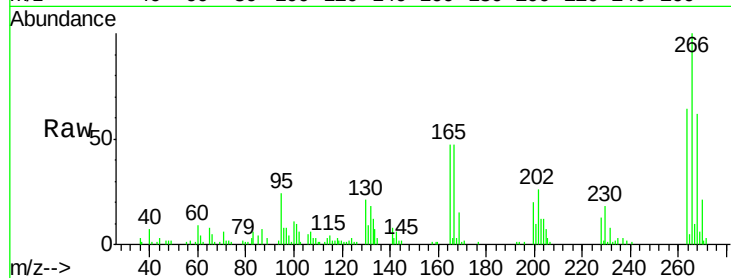




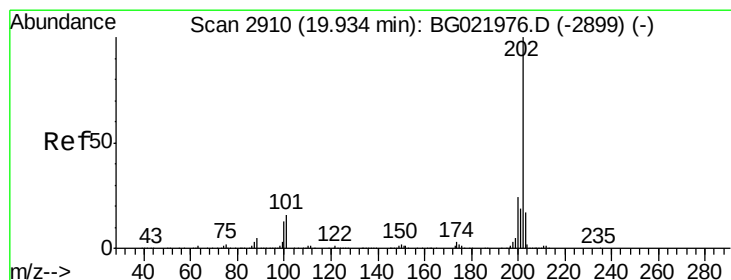
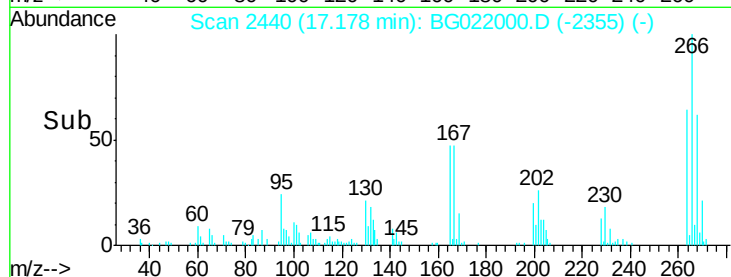
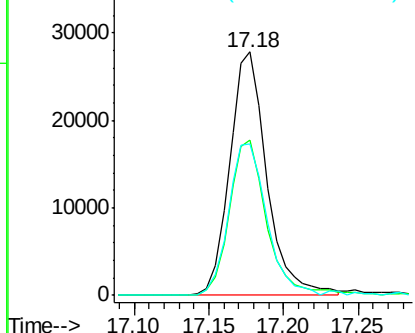
#68  
 Pentachlorophenol  
 Concen: 29.47 ng/ul  
 RT: 17.18 min Scan# 2440  
 Delta R.T. -0.00 min  
 Lab File: BG022000.D  
 Acq: 22 May 2016 5:19

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JHGG8MSD

Tgt Ion:266 Resp: 48288  
 Ion Ratio Lower Upper  
 266 100  
 264 69.0 54.7 82.1  
 268 67.8 57.8 86.8

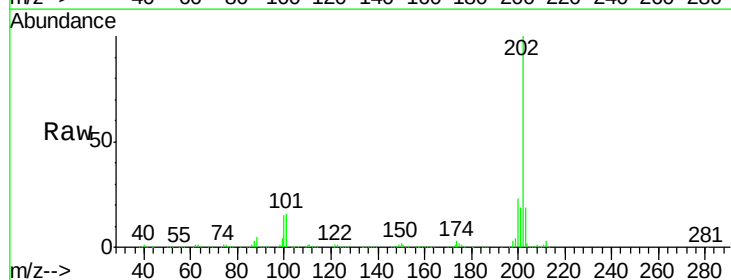


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E



#77  
 Pyrene  
 Concen: 29.42 ng/ul  
 RT: 19.93 min Scan# 2909  
 Delta R.T. -0.00 min  
 Lab File: BG022000.D  
 Acq: 22 May 2016 5:19

Tgt Ion:202 Resp: 539163  
 Ion Ratio Lower Upper  
 202 100  
 101 16.2 12.5 18.7  
 100 14.6 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

