

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092515\  
 Data File : BG018913.D  
 Acq On : 26 Sep 2015 15:17  
 Operator : UM/NP  
 Sample : G3797-09MSD  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 D9G77MSD

Quant Time: Sep 28 00:53:43 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG091015.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Sep 28 00:51:47 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.99  | 152  | 43030    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.79 | 136  | 186452   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.61 | 164  | 127092   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.35 | 188  | 344461   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.60 | 240  | 425298   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.78 | 264  | 424191   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.43  | 96  | 2121   | 2.37  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.16  | 99  | 48199  | 13.64 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.32  | 67  | 70530  | 34.44 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.53  | 132 | 90694  | 33.89 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.70  | 113 | 70611  | 24.63 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.15  | 128 | 51546  | 36.49 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.87  | 143 | 58017  | 40.84 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.41 | 165 | 103597 | 34.64 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.93 | 131 | 5952   | 1.71  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.02 | 166 | 372229 | 36.39 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.31 | 160 | 392686 | 32.40 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.82 | 143 | 25453  | 12.97 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.61 | 176 | 276404 | 30.90 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.72 | 200 | 52928  | 32.46 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.45 | 188 | 258551 | 17.05 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.74 | 212 | 538484 | 27.52 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.56 | 264 | 461790 | 22.37 | ng/ul | 0.00 |

## Target Compounds

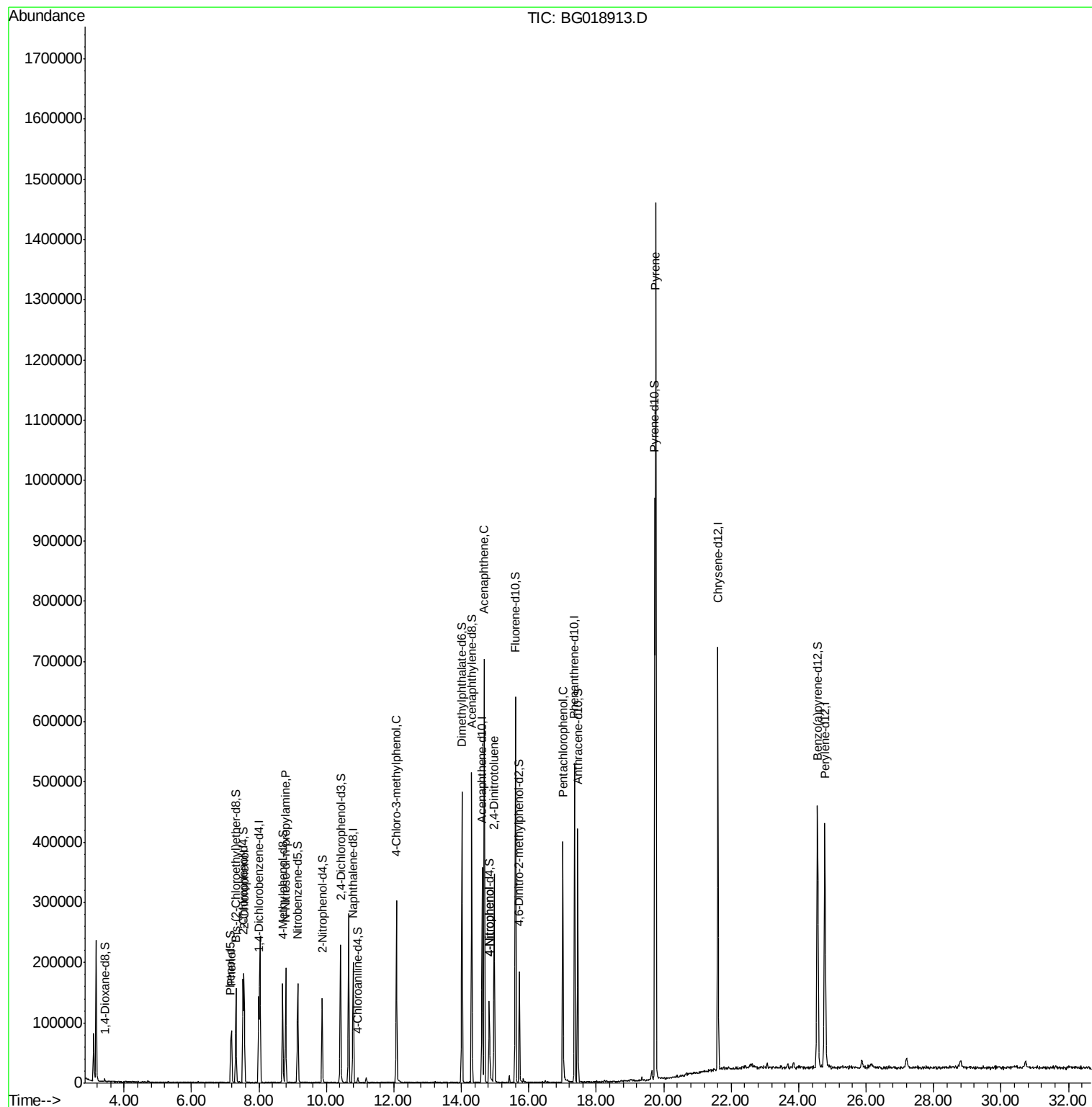
|                                |       |     |        |       |        | Ovalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 6) Phenol                      | 7.19  | 94  | 54540  | 14.92 | ng/ul# | 87     |
| 10) 2-Chlorophenol             | 7.56  | 128 | 94832  | 34.23 | ng/ul  | 90     |
| 15) N-Nitroso-di-n-propylamine | 8.79  | 70  | 79377  | 35.24 | ng/ul# | 84     |
| 33) 4-Chloro-3-methylphenol    | 12.07 | 107 | 116971 | 36.66 | ng/ul  | 97     |
| 50) Acenaphthene               | 14.68 | 153 | 311003 | 35.80 | ng/ul  | 98     |
| 53) 4-Nitrophenol              | 14.83 | 109 | 19085  | 14.18 | ng/ul  | 86     |
| 55) 2,4-Dinitrotoluene         | 14.97 | 165 | 118093 | 39.79 | ng/ul# | 83     |
| 69) Pentachlorophenol          | 17.01 | 266 | 80897  | 37.08 | ng/ul  | 95     |
| 80) Pvrene                     | 19.77 | 202 | 882088 | 35.27 | ng/ul  | 98     |

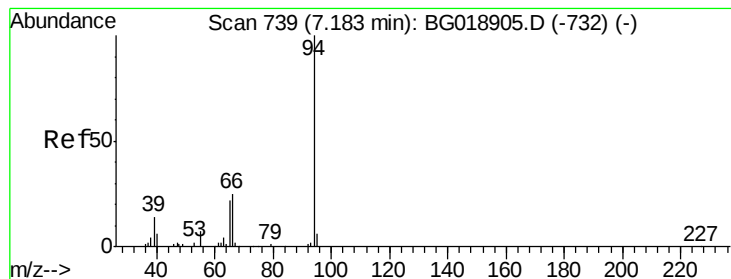
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092515\  
Data File : BG018913.D  
Acq On : 26 Sep 2015 15:17  
Operator : UM/NP  
Sample : G3797-09MSD  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
D9G77MSD

Quant Time: Sep 28 00:53:43 2015  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG091015.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Sep 28 00:51:47 2015  
Response via : Initial Calibration





#6

Phenol

Concen: 14.92 ng/ul

RT: 7.19 min Scan# 740

Delta R.T. 0.00 min

Lab File: BG018913.D

Acq: 26 Sep 2015 15:17

Instrument :

BNA\_G

ClientSampleId :

D9G77MSD

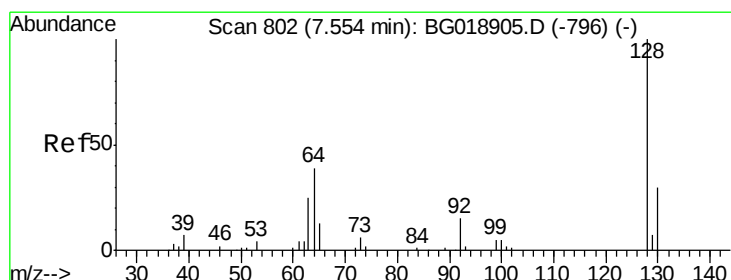
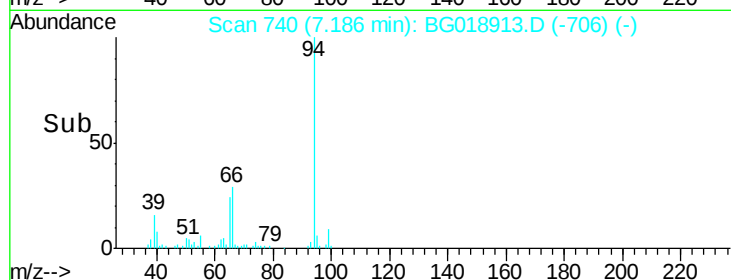
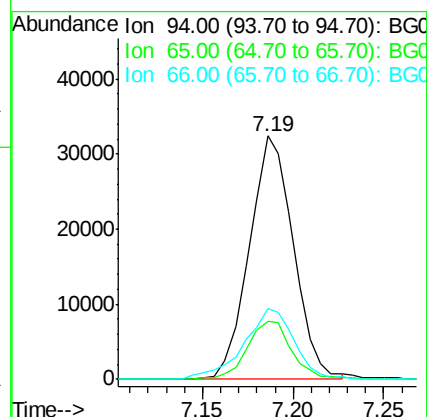
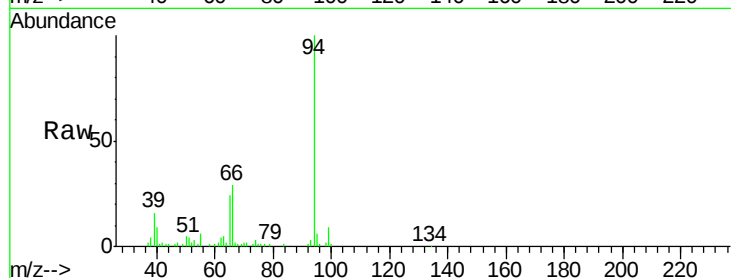
Tot Ion: 94 Resp: 54540

Ion Ratio Lower Upper

94 100

65 24.0 23.0 34.6

66 29.0 31.0 46.4#



#10

2-Chlorophenol

Concen: 34.23 ng/ul

RT: 7.56 min Scan# 803

Delta R.T. 0.00 min

Lab File: BG018913.D

Acq: 26 Sep 2015 15:17

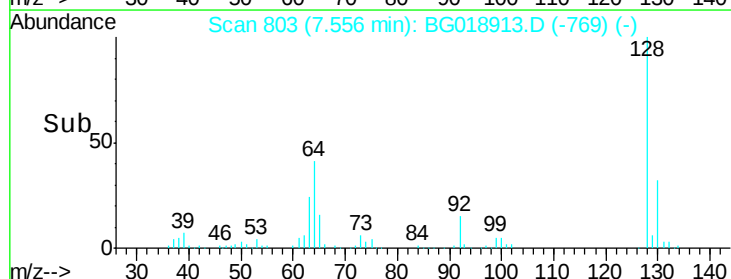
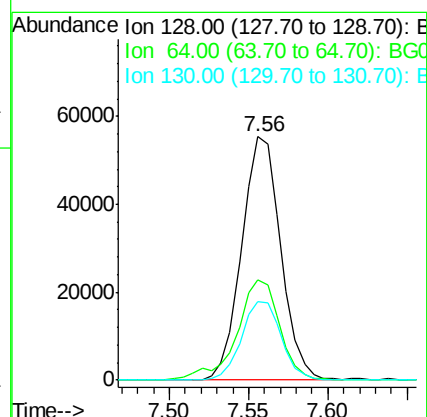
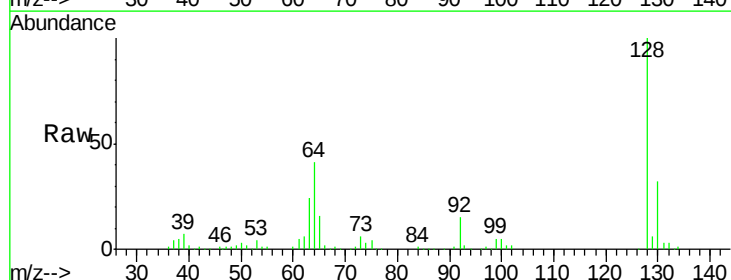
Tgt Ion: 128 Resp: 94832

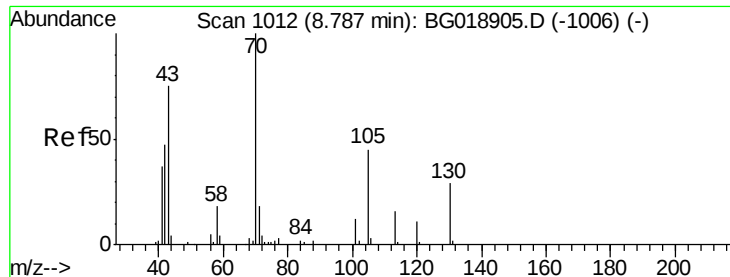
Ion Ratio Lower Upper

128 100

64 41.1 40.9 61.3

130 32.3 24.5 36.7

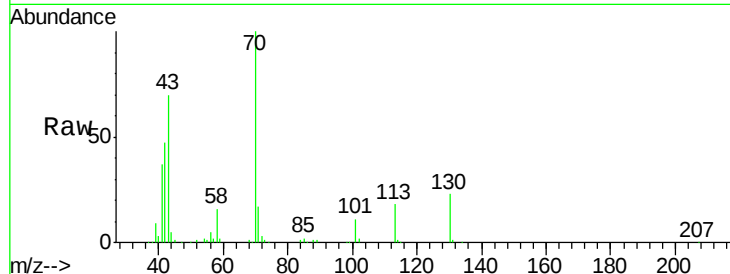




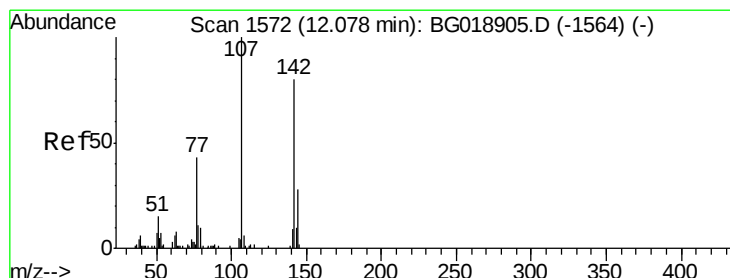
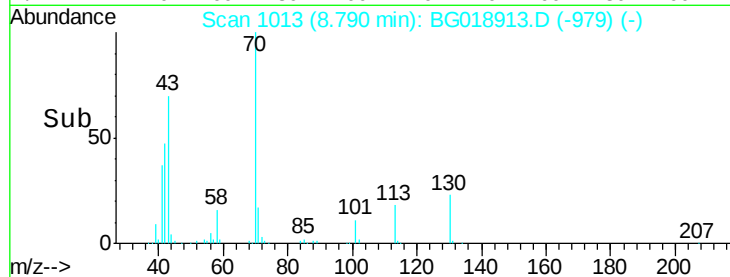
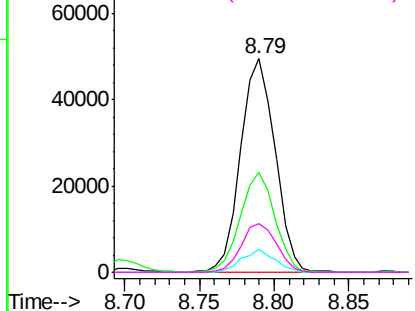
#15  
N-Nitroso-di-n-propylamine  
Concen: 35.24 ng/ul  
RT: 8.79 min Scan# 1013  
Delta R.T. 0.00 min  
Lab File: BG018913.D  
Acq: 26 Sep 2015 15:17

Instrument :  
BNA\_G  
ClientSampleId :  
D9G77MSD

Tot Ion: 70 Resp: 79377  
Ion Ratio Lower Upper  
70 100  
42 46.6 50.7 76.1#  
101 10.5 7.4 11.2  
130 22.6 15.8 23.6

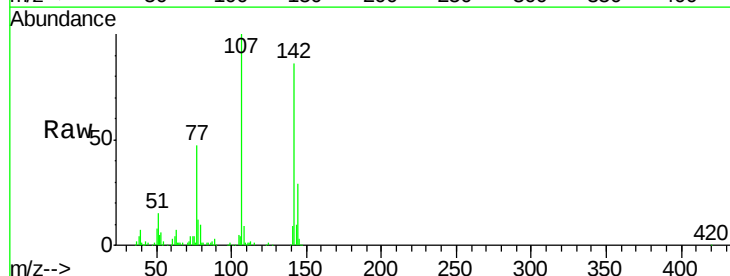


Abundance Ion 70.00 (69.70 to 70.70): BG018913.D (-979) (-)  
Ion 42.00 (41.70 to 42.70): BG018913.D (-979) (-)  
Ion 101.00 (100.70 to 101.70): BG018913.D (-979) (-)  
Ion 130.00 (129.70 to 130.70): BG018913.D (-979) (-)

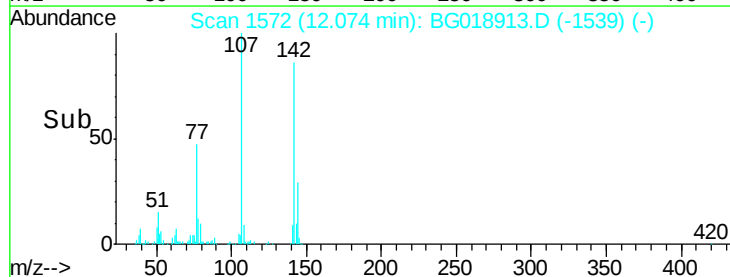
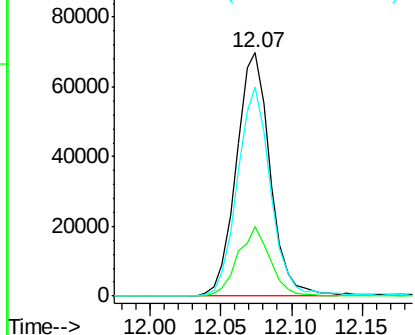


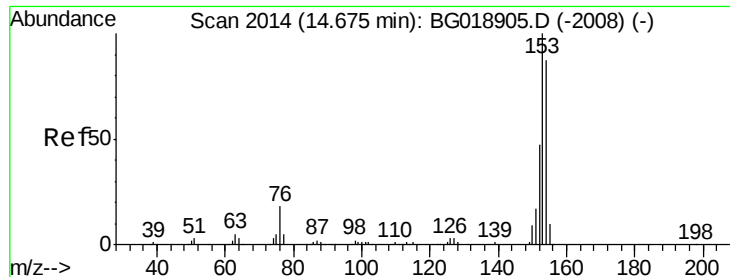
#33  
4-Chloro-3-methylphenol  
Concen: 36.66 ng/ul  
RT: 12.07 min Scan# 1572  
Delta R.T. -0.00 min  
Lab File: BG018913.D  
Acq: 26 Sep 2015 15:17

Tgt Ion:107 Resp: 116971  
Ion Ratio Lower Upper  
107 100  
144 28.6 21.4 32.2  
142 85.7 66.0 99.0



Abundance Ion 107.00 (106.70 to 107.70): BG018913.D (-1539) (-)  
Ion 144.00 (143.70 to 144.70): BG018913.D (-1539) (-)  
Ion 142.00 (141.70 to 142.70): BG018913.D (-1539) (-)





#50

Acenaphthene

Concen: 35.80 ng/ul

RT: 14.68 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BG018913.D

Acq: 26 Sep 2015 15:17

Instrument :

BNA\_G

ClientSampleId :

D9G77MSD

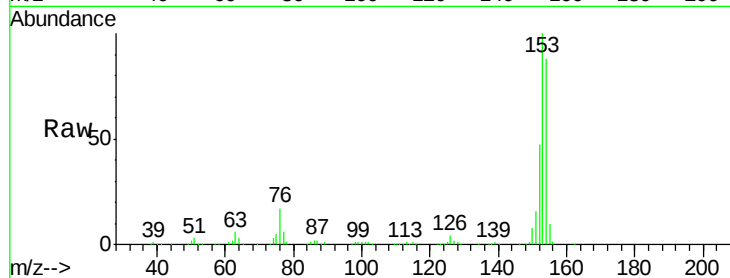
Tot Ion:153 Resp: 311003

Ion Ratio Lower Upper

153 100

152 47.2 38.2 57.4

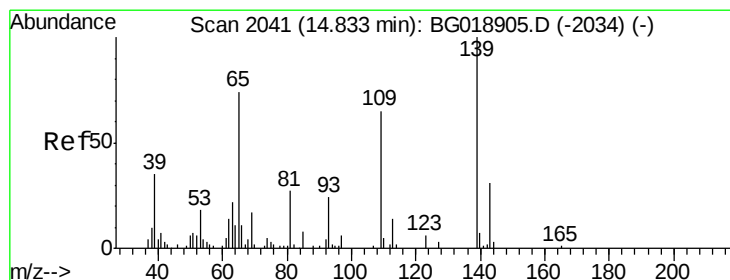
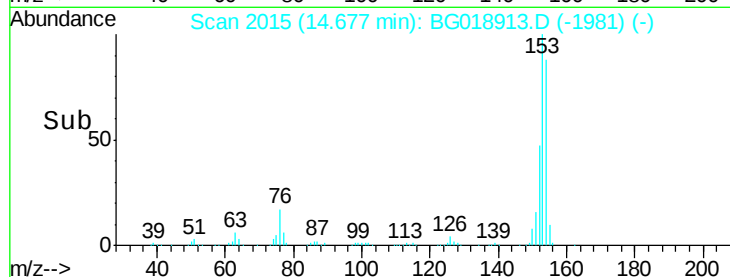
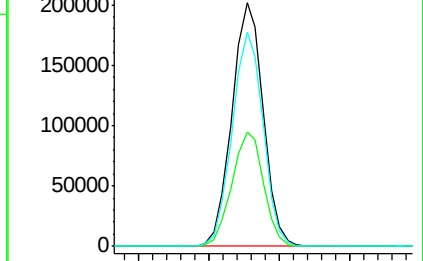
154 88.0 68.6 103.0



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: 14.18 ng/ul

RT: 14.83 min Scan# 2041

Delta R.T. -0.00 min

Lab File: BG018913.D

Acq: 26 Sep 2015 15:17

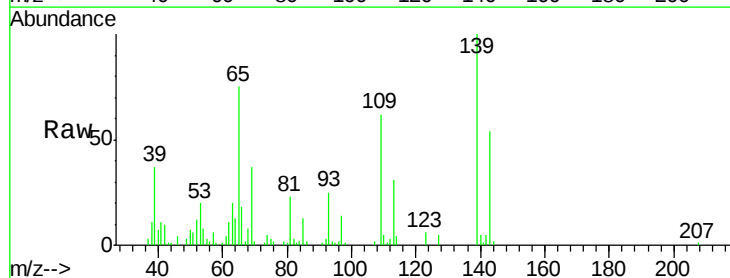
Tgt Ion:109 Resp: 19085

Ion Ratio Lower Upper

109 100

139 161.2 111.3 166.9

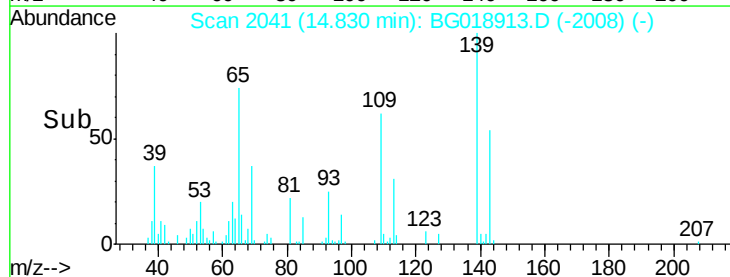
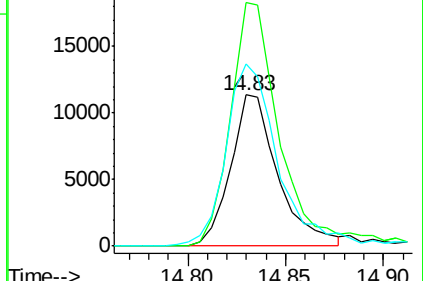
65 120.9 105.3 157.9

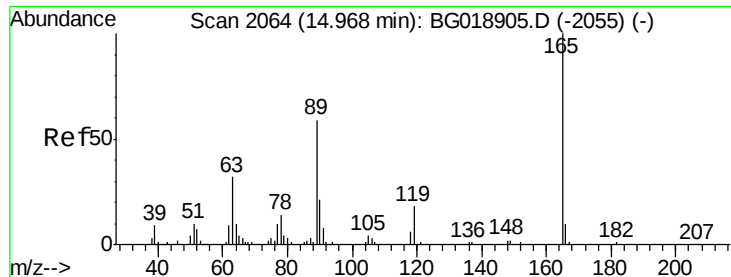


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BGC

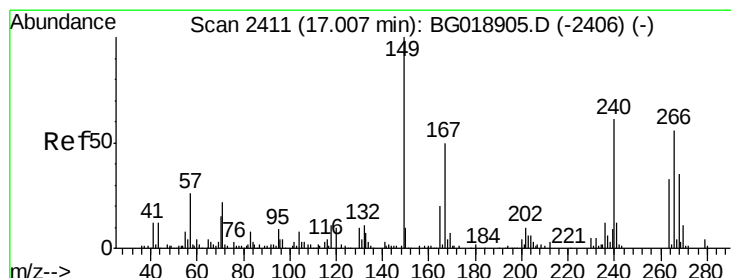
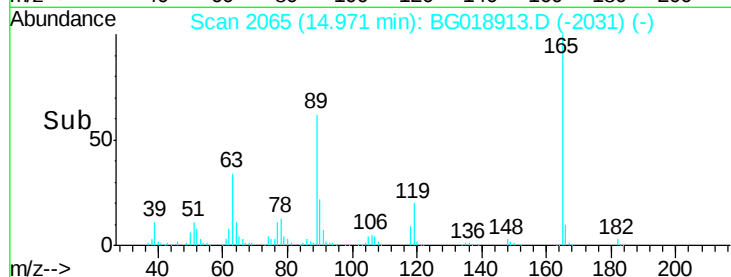
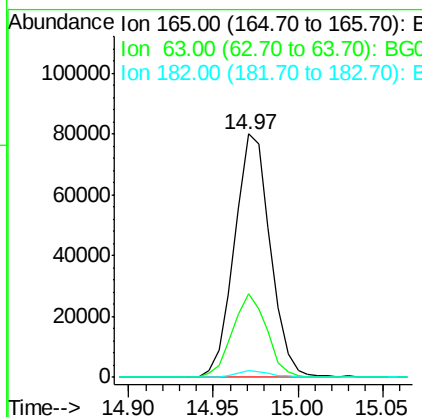
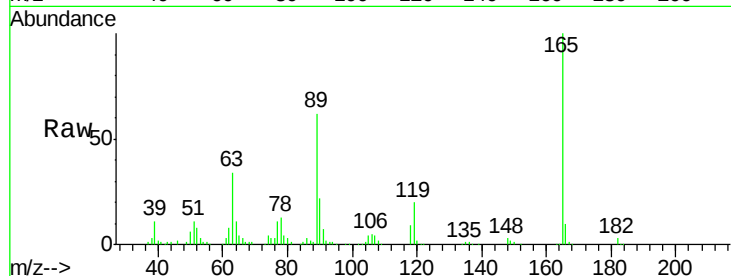




#55  
 2,4-Dinitrotoluene  
 Concen: 39.79 ng/ul  
 RT: 14.97 min Scan# 2065  
 Delta R.T. 0.00 min  
 Lab File: BG018913.D  
 Acq: 26 Sep 2015 15:17

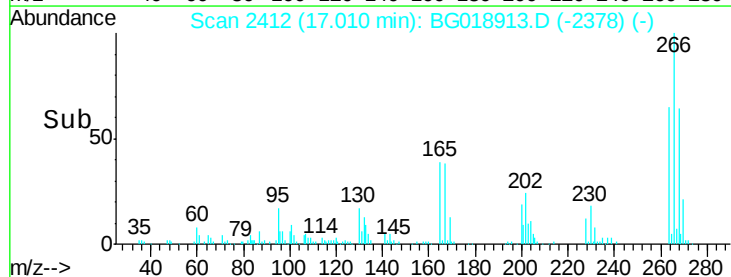
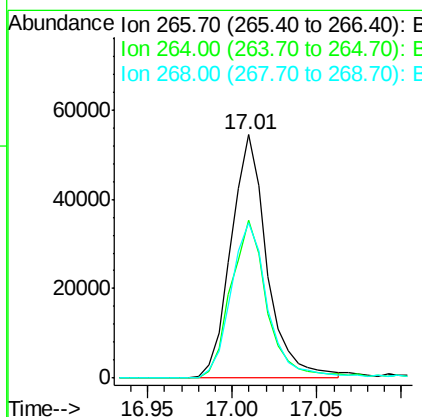
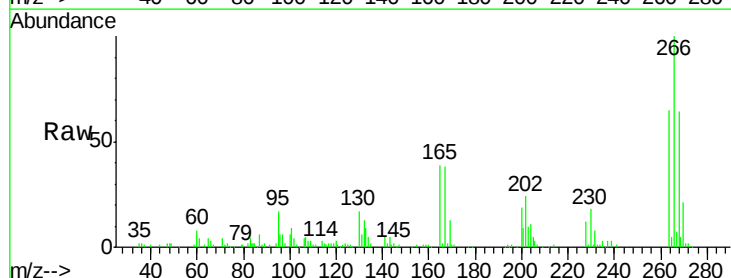
Instrument :  
 BNA\_G  
 ClientSampled :  
 D9G77MSD

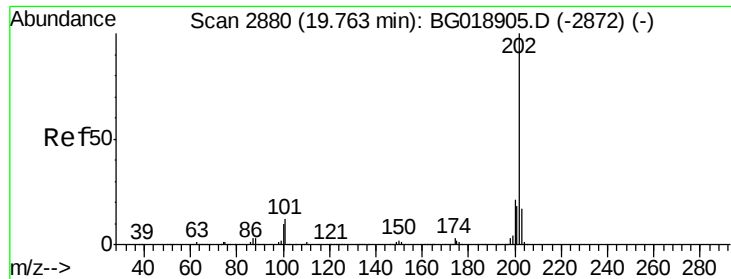
Tot Ion:165 Resp: 118093  
 Ion Ratio Lower Upper  
 165 100  
 63 34.2 36.7 55.1#  
 182 2.7 2.2 3.2



#69  
 Pentachlorophenol  
 Concen: 37.08 ng/ul  
 RT: 17.01 min Scan# 2412  
 Delta R.T. 0.00 min  
 Lab File: BG018913.D  
 Acq: 26 Sep 2015 15:17

Tgt Ion:266 Resp: 80897  
 Ion Ratio Lower Upper  
 266 100  
 264 64.6 55.4 83.0  
 268 63.8 53.6 80.4





#80  
 Pvrene  
 Concen: 35.27 ng/ul  
 RT: 19.77 min Scan# 2881  
 Delta R.T. 0.00 min  
 Lab File: BG018913.D  
 Acq: 26 Sep 2015 15:17

Instrument :  
 BNA\_G  
 ClientSampleId :  
 D9G77MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 13.3  | 11.0  | 16.4  |
| 100     | 11.4  | 9.8   | 14.6  |

