

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG051016\  
 Data File : BG021811.D  
 Acq On : 10 May 2016 11:25  
 Operator : UM/SJ  
 Sample : H2938-05MS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 D9XA4MS

Quant Time: May 11 03:30:13 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG050916.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 11 02:37:33 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.19  | 152  | 67226    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.00 | 136  | 358744   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.80 | 164  | 230023   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.54 | 188  | 497598   | 20.00 | ng/ul | 0.00     |
| 76) Chrysene-d12          | 21.82 | 240  | 501173   | 20.00 | ng/ul | 0.00     |
| 84) Perylene-d12          | 25.15 | 264  | 489136   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.57  | 96  | 6484   | 4.66  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.33  | 99  | 111137 | 22.28 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.50  | 67  | 55756  | 22.54 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.71  | 132 | 101304 | 26.16 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.88  | 113 | 90665  | 21.64 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.35  | 128 | 55379  | 23.48 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 10.07 | 143 | 40014  | 26.86 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.85 | 165 | 866    | 0.21  | ng/ul | 0.24  |
| 29) 4-Chloroaniline-d4         | 11.13 | 131 | 112310 | 24.75 | ng/ul | 0.00  |
| 44) Dimethylphthalate-d6       | 14.20 | 166 | 383201 | 23.72 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 14.50 | 160 | 517489 | 22.56 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 14.98 | 143 | 50434  | 18.21 | ng/ul | -0.01 |
| 58) Fluorene-d10               | 15.79 | 176 | 359007 | 21.10 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.89 | 200 | 31988  | 23.21 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 17.64 | 188 | 510540 | 21.08 | ng/ul | 0.00  |
| 77) Pyrene-d10                 | 20.00 | 212 | 911    | 0.04  | ng/ul | 0.08  |
| 88) Benzo(a)pyrene-d12         | 24.92 | 264 | 542918 | 23.36 | ng/ul | 0.00  |

## Target Compounds

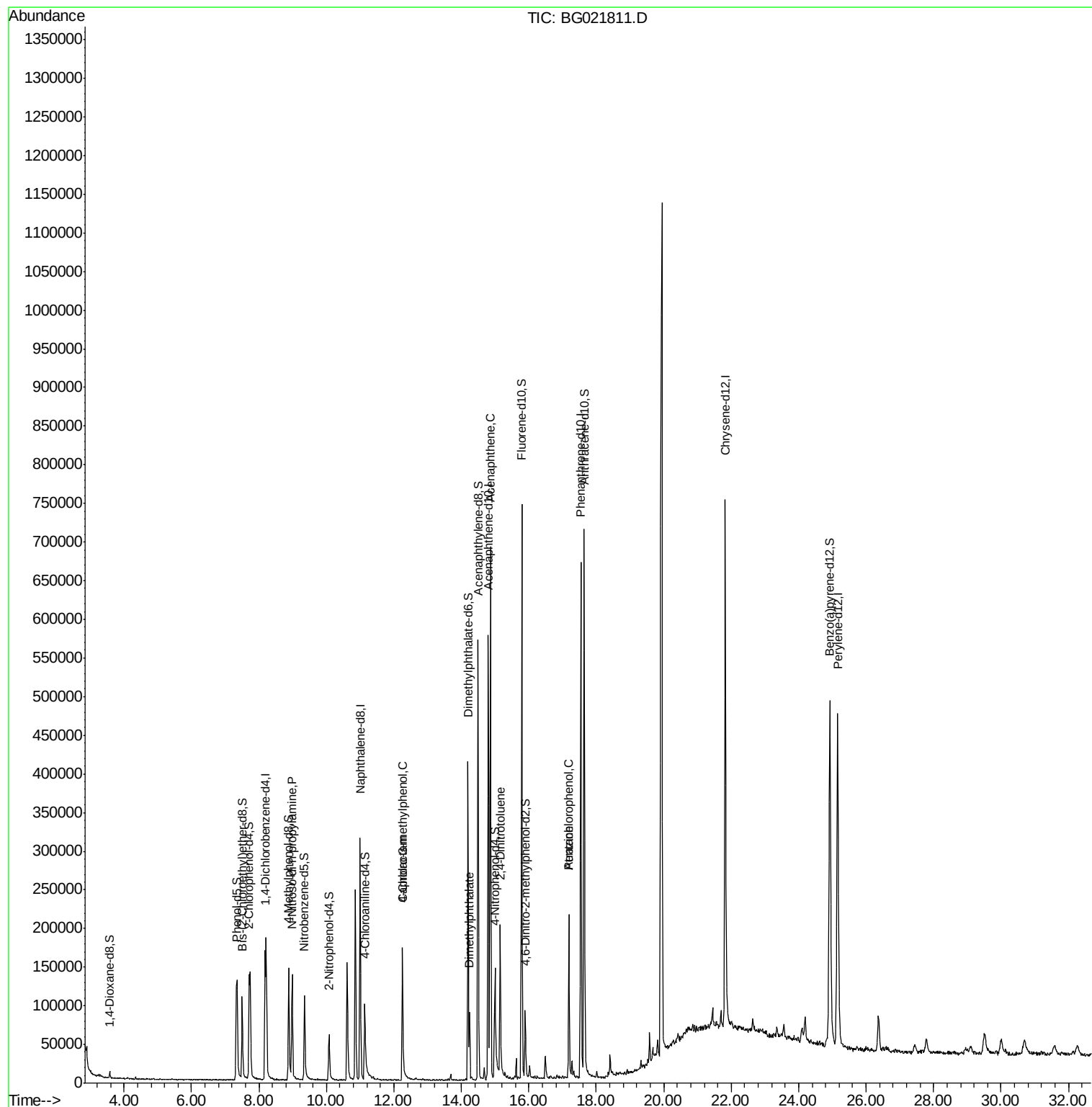
|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 15) N-Nitroso-di-n-propylamine | 8.98  | 70  | 71347  | 22.88 | ng/ul# | 74     |
| 32) Caprolactam                | 12.26 | 113 | 2405   | 1.33  | ng/ul# | 1      |
| 33) 4-Chloro-3-methylphenol    | 12.26 | 107 | 87551  | 20.18 | ng/ul# | 64     |
| 45) Dimethylphthalate          | 14.24 | 163 | 74115  | 4.50  | ng/ul# | 97     |
| 50) Acenaphthene               | 14.87 | 153 | 347095 | 21.26 | ng/ul  | 99     |
| 55) 2,4-Dinitrotoluene         | 15.15 | 165 | 97247  | 21.63 | ng/ul# | 56     |
| 68) Atrazine                   | 17.19 | 200 | 8532   | 2.04  | ng/ul# | 35     |
| 69) Pentachlorophenol          | 17.19 | 266 | 53836  | 23.47 | ng/ul  | 94     |

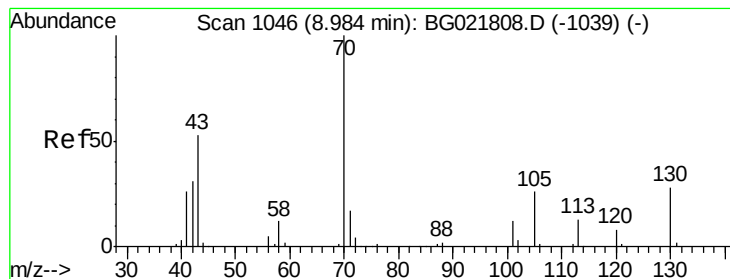
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#15

N-Nitroso-di-n-propylamine

Concen: 22.88 ng/ul

RT: 8.98 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BG021811.D

Acq: 10 May 2016 11:25

Instrument :

BNA\_G

ClientSampleId :

D9XA4MS

Tgt Ion: 70 Resp: 71347

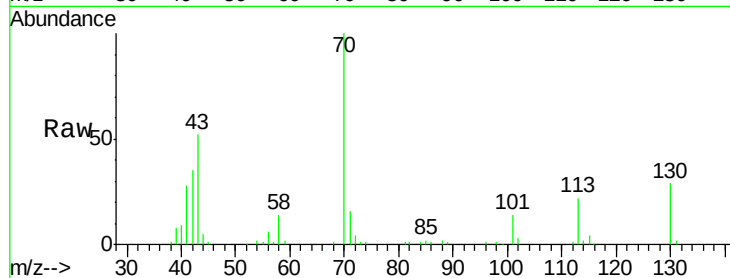
Ion Ratio Lower Upper

70 100

42 35.2 43.4 65.0#

101 13.6 6.5 9.7#

130 29.1 13.8 20.6#

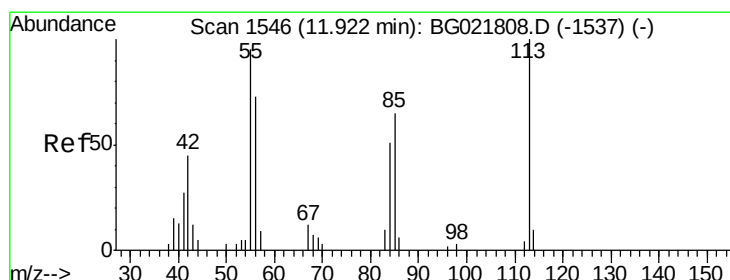
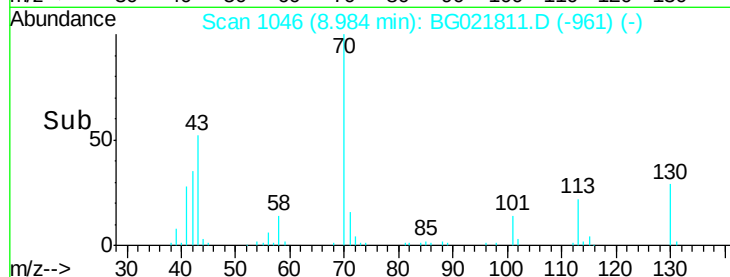
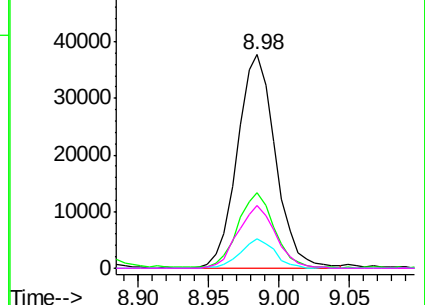


Abundance Ion 70.00 (69.70 to 70.70): BGC

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



#32

Caprolactam

Concen: 1.33 ng/ul

RT: 12.26 min Scan# 1604

Delta R.T. 0.34 min

Lab File: BG021811.D

Acq: 10 May 2016 11:25

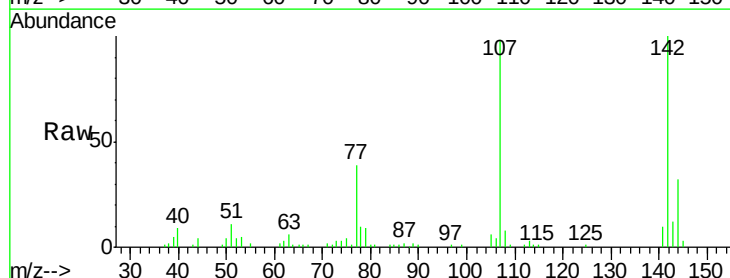
Tgt Ion: 113 Resp: 2405

Ion Ratio Lower Upper

113 100

55 46.2 155.5 233.3#

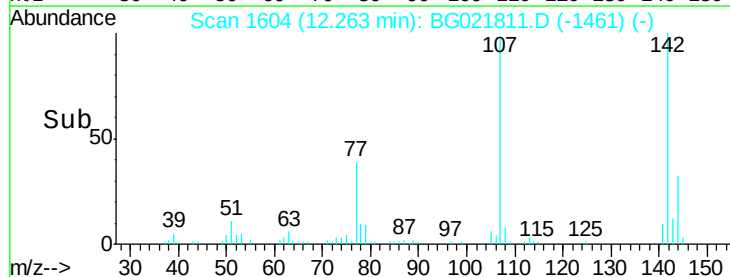
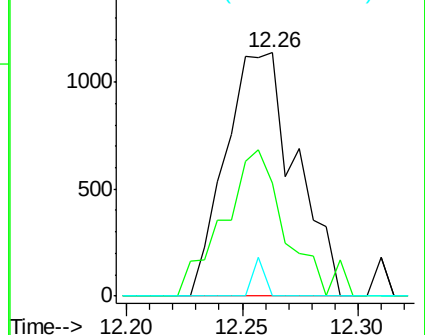
56 0.0 105.7 158.5#

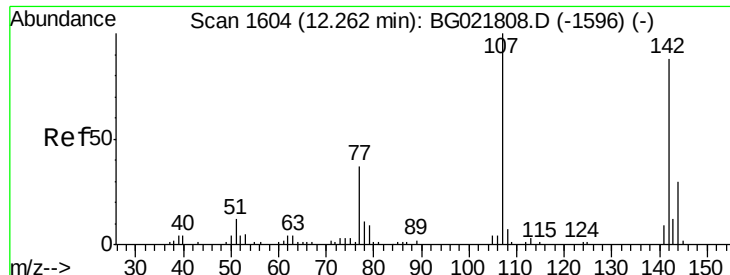


Abundance Ion 113.00 (112.70 to 113.70): BGC

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC

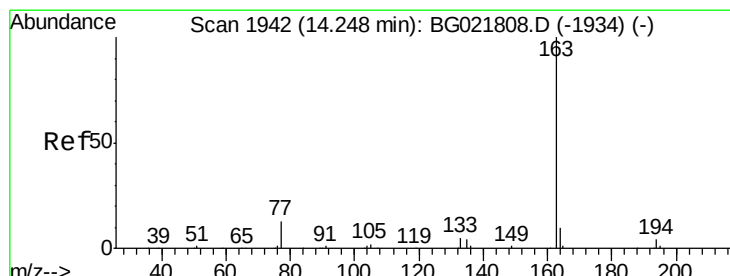
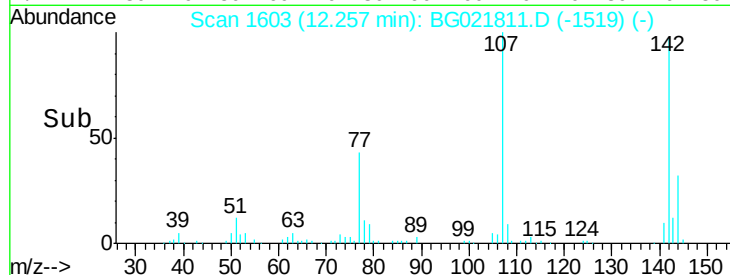
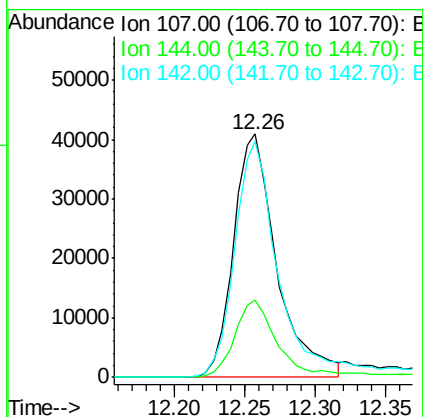
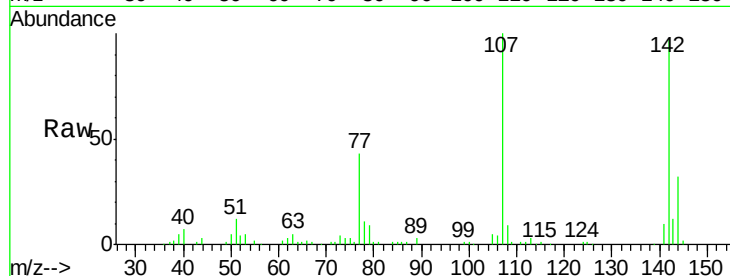




#33  
 4-Chloro-3-methylphenol  
 Concen: 20.18 ng/ul  
 RT: 12.26 min Scan# 1603  
 Delta R.T. -0.01 min  
 Lab File: BG021811.D  
 Acq: 10 May 2016 11:25

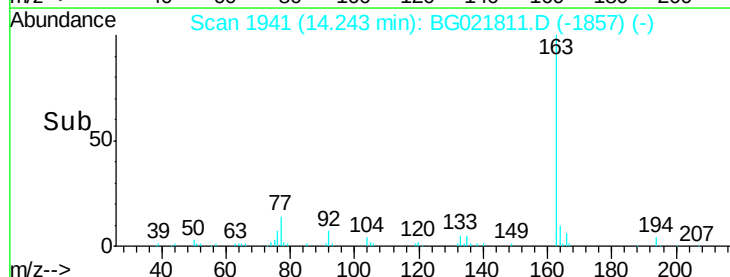
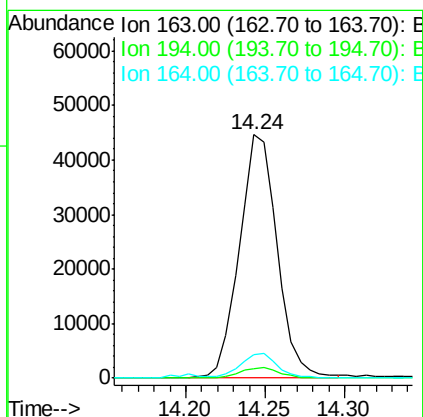
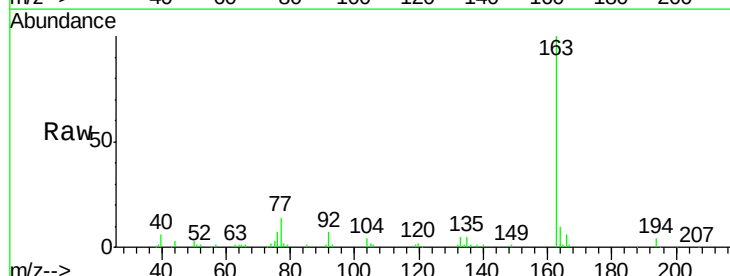
Instrument :  
 BNA\_G  
 ClientSampleId :  
 D9XA4MS

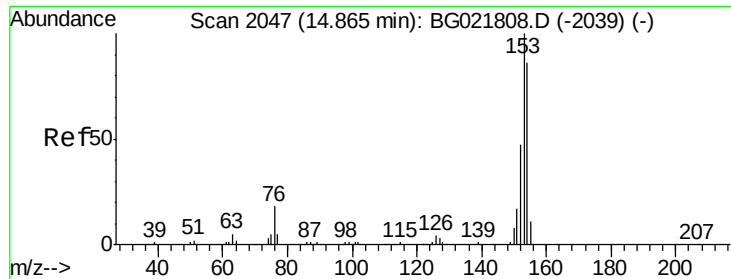
Tgt Ion:107 Resp: 87551  
 Ion Ratio Lower Upper  
 107 100  
 144 31.9 17.2 25.8#  
 142 96.7 52.0 78.0#



#45  
 Dimethylphthalate  
 Concen: 4.50 ng/ul  
 RT: 14.24 min Scan# 1941  
 Delta R.T. -0.01 min  
 Lab File: BG021811.D  
 Acq: 10 May 2016 11:25

Tgt Ion:163 Resp: 74115  
 Ion Ratio Lower Upper  
 163 100  
 194 3.7 3.9 5.9#  
 164 9.7 8.7 13.1





#50

Acenaphthene

Concen: 21.26 ng/ul

RT: 14.87 min Scan# 2047

Delta R.T. 0.00 min

Lab File: BG021811.D

Acq: 10 May 2016 11:25

Instrument :

BNA\_G

ClientSampleId :

D9XA4MS

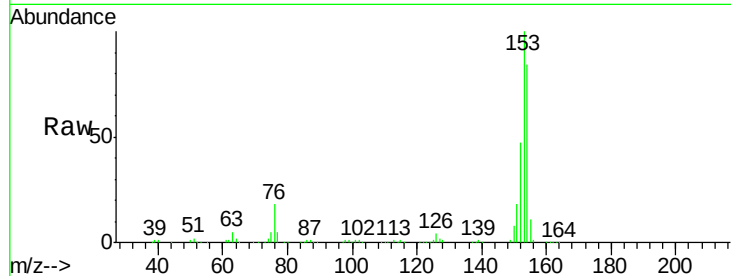
Tgt Ion:153 Resp: 347095

Ion Ratio Lower Upper

153 100

152 47.5 36.5 54.7

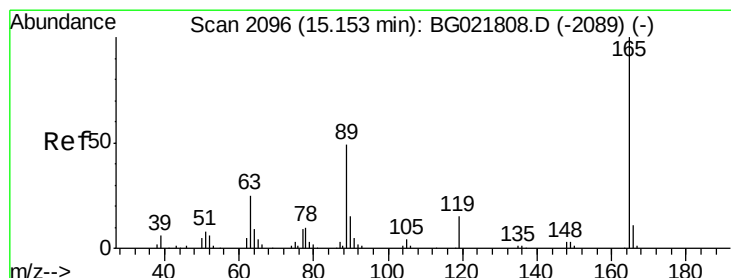
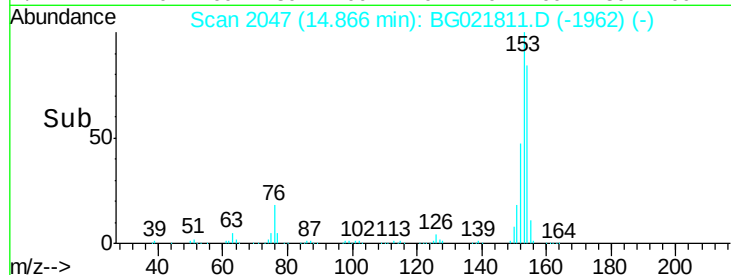
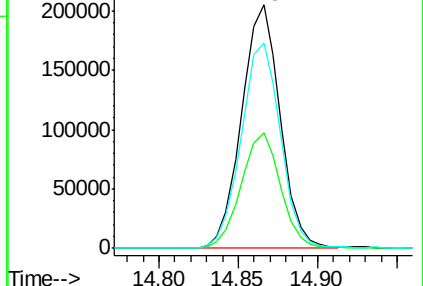
154 84.5 67.3 100.9



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



#55

2,4-Dinitrotoluene

Concen: 21.63 ng/ul

RT: 15.15 min Scan# 2096

Delta R.T. 0.00 min

Lab File: BG021811.D

Acq: 10 May 2016 11:25

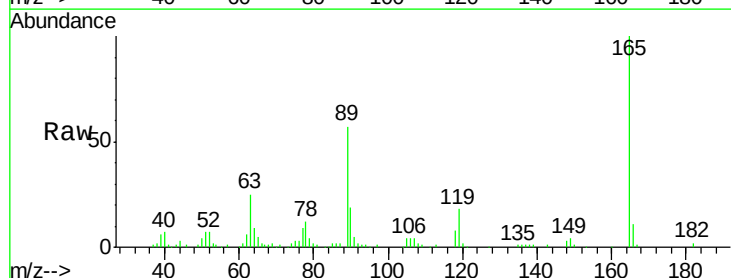
Tgt Ion:165 Resp: 97247

Ion Ratio Lower Upper

165 100

63 25.0 48.1 72.1#

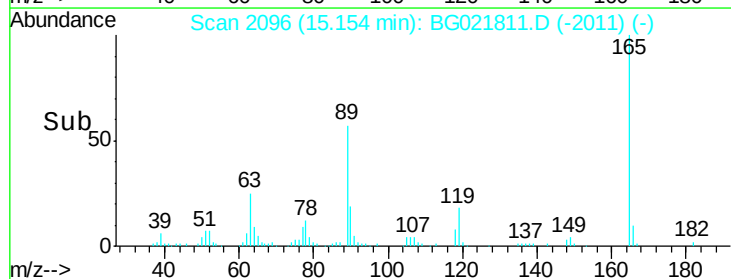
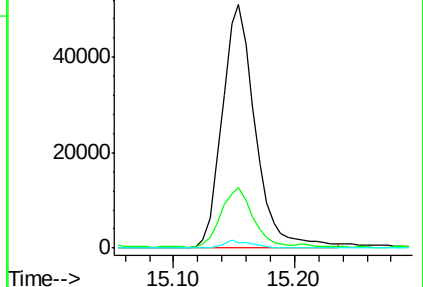
182 2.5 2.2 3.2

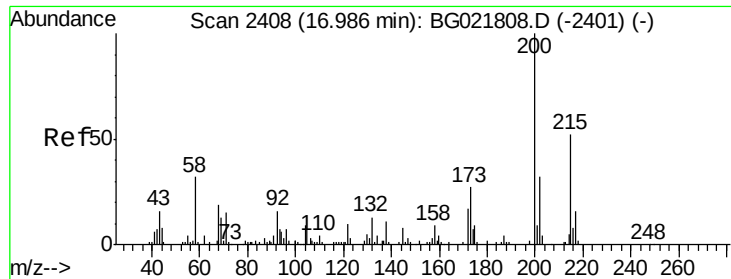


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 182.00 (181.70 to 182.70): E

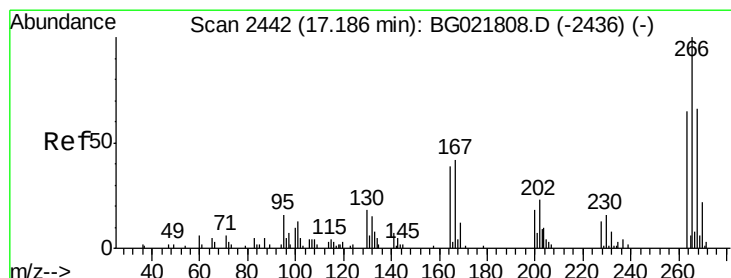
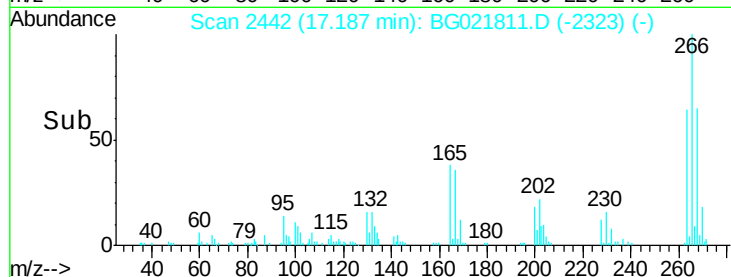
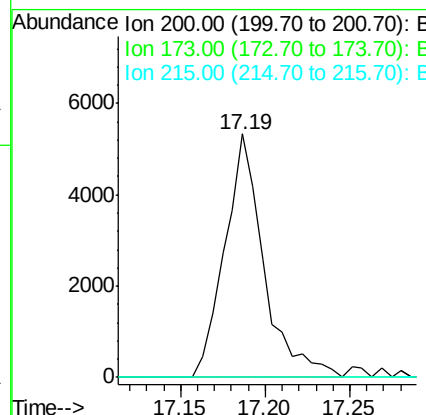
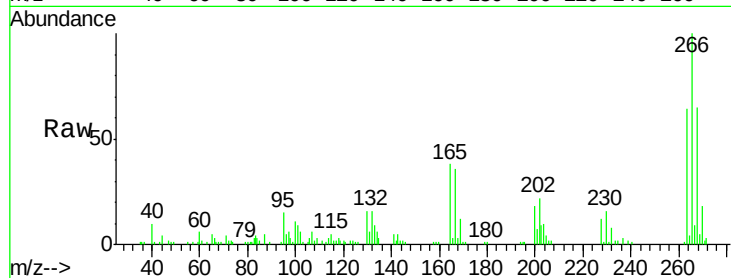




#68  
Atrazine  
Concen: 2.04 ng/ul  
RT: 17.19 min Scan# 2442  
Delta R.T. 0.20 min  
Lab File: BG021811.D  
Acq: 10 May 2016 11:25

Instrument :  
BNA\_G  
ClientSampleId :  
D9XA4MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 0.0   | 19.2  | 28.8# |
| 215     | 0.0   | 40.2  | 60.2# |



#69  
Pentachlorophenol  
Concen: 23.47 ng/ul  
RT: 17.19 min Scan# 2442  
Delta R.T. 0.00 min  
Lab File: BG021811.D  
Acq: 10 May 2016 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 68.3  | 56.7  | 85.1  |
| 268     | 69.8  | 50.6  | 76.0  |

