

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG091515\  
 Data File : BG018687.D  
 Acq On : 15 Sep 2015 17:47  
 Operator : UM/IZ  
 Sample : G3641-06  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B0AM4

Quant Time: Sep 15 18:21:36 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG091015.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 15 13:56:56 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.01  | 152  | 68818    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.81 | 136  | 305475   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.63 | 164  | 211006   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.37 | 188  | 537435   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.62 | 240  | 554741   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.81 | 264  | 561108   | 20.00 | ng/ul | 0.00     |

| System Monitoring Compounds    | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 3) 1,4-Dioxane-d8              | 3.44  | 96   | 1857     | 1.30  | ng/uL | 0.00     |
| 5) Phenol-d5                   | 7.16  | 99   | 46414    | 8.21  | ng/ul | 0.00     |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.32  | 67   | 108170   | 33.03 | ng/ul | 0.00     |
| 9) 2-Chlorophenol-d4           | 7.54  | 132  | 122087   | 28.53 | ng/ul | 0.00     |
| 13) 4-Methylphenol-d8          | 8.70  | 113  | 86079    | 18.77 | ng/ul | 0.00     |
| 19) Nitrobenzene-d5            | 9.16  | 128  | 76368    | 33.00 | ng/ul | 0.00     |
| 22) 2-Nitrophenol-d4           | 9.89  | 143  | 81345    | 34.95 | ng/ul | 0.00     |
| 26) 2,4-Dichlorophenol-d3      | 10.42 | 165  | 162815   | 33.23 | ng/ul | 0.00     |
| 29) 4-Chloroaniline-d4         | 10.94 | 131  | 8229     | 1.44  | ng/ul | 0.00     |
| 44) Dimethylphthalate-d6       | 14.03 | 166  | 549994   | 32.39 | ng/ul | 0.00     |
| 47) Acenaphthylene-d8          | 14.32 | 160  | 679378   | 33.76 | ng/ul | 0.00     |
| 52) 4-Nitrophenol-d4           | 14.82 | 143  | 20951    | 6.43  | ng/ul | 0.00     |
| 58) Fluorene-d10               | 15.62 | 176  | 508557   | 34.25 | ng/ul | 0.00     |
| 63) 4,6-Dinitro-2-methylphenol | 15.73 | 200  | 75822    | 29.80 | ng/ul | 0.00     |
| 71) Anthracene-d10             | 17.46 | 188  | 816737   | 34.52 | ng/ul | 0.00     |
| 79) Pyrene-d10                 | 19.75 | 212  | 880228   | 34.49 | ng/ul | 0.00     |
| 90) Benzo(a)pyrene-d12         | 24.59 | 264  | 952123   | 34.87 | ng/ul | -0.02    |

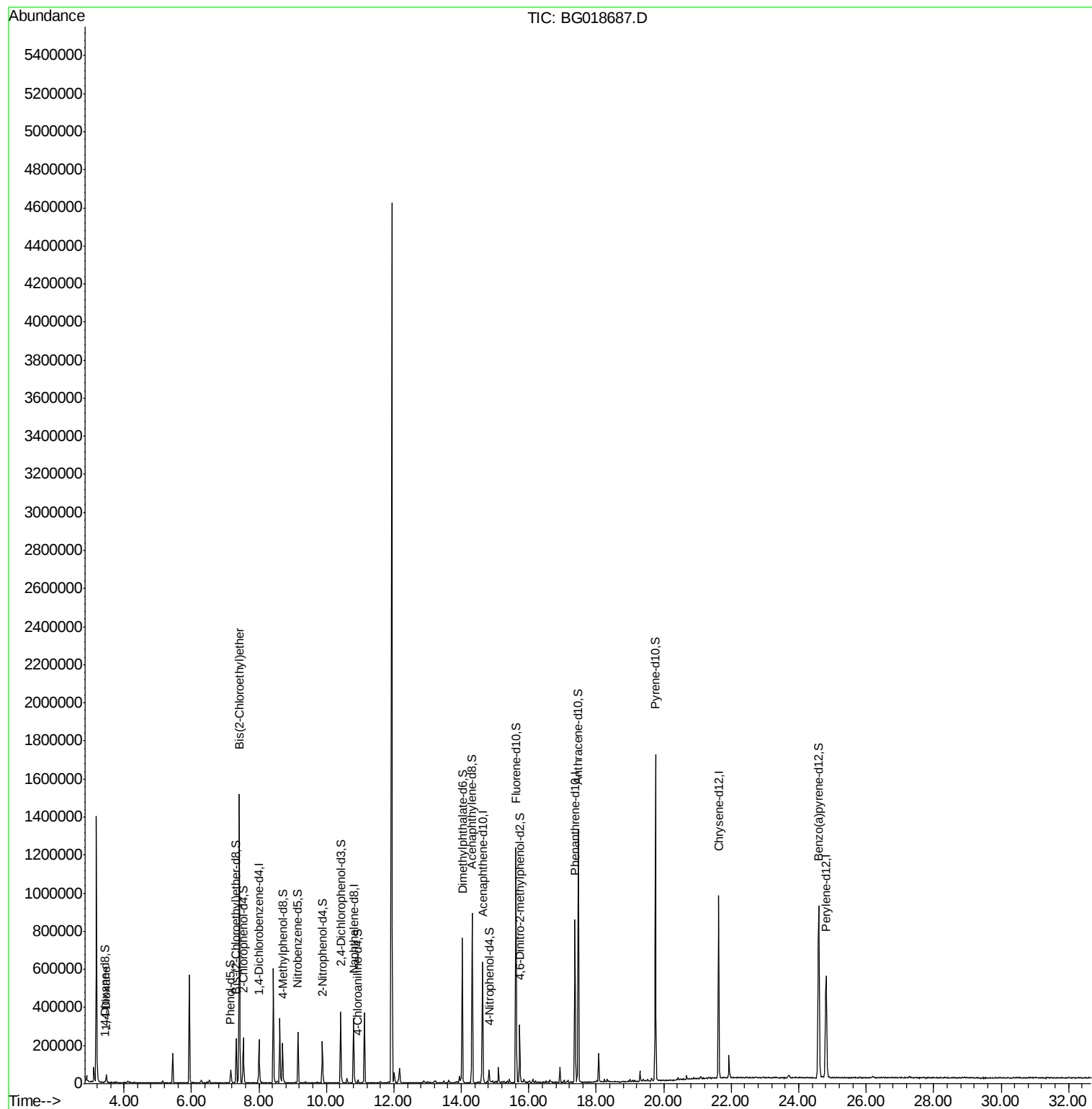
| Target Compounds           | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|----------------------------|------|------|----------|--------|--------|--------|
| 2) 1,4-Dioxane             | 3.48 | 88   | 22635    | 14.62  | ng/uL# | 77     |
| 8) Bis(2-Chloroethyl)ether | 7.42 | 93   | 890605   | 204.00 | ng/ul  | 96     |

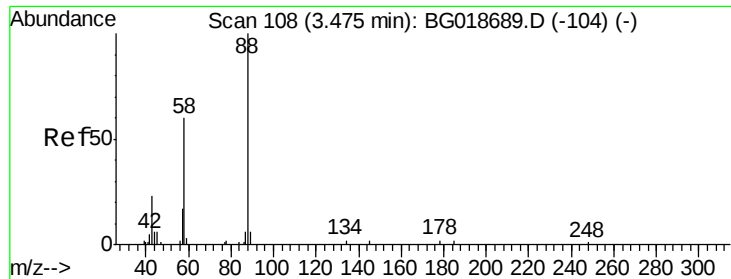
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 14.62 ng/uL

RT: 3.48 min Scan# 108

Delta R.T. 0.00 min

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BNA\_G

ClientSampleId :

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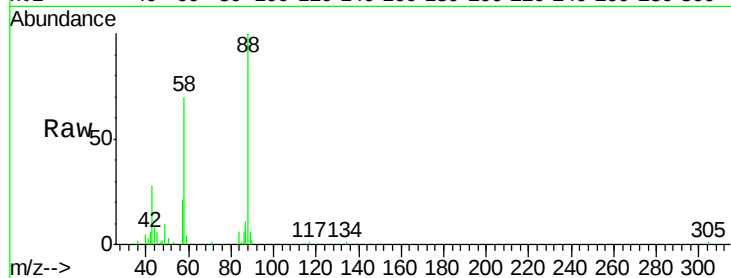
Tgt Ion: 88 Resp: 22635

Ion Ratio Lower Upper

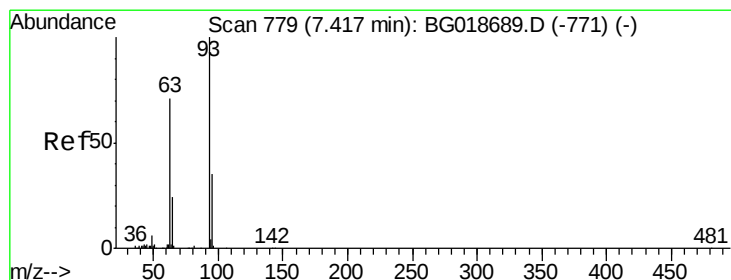
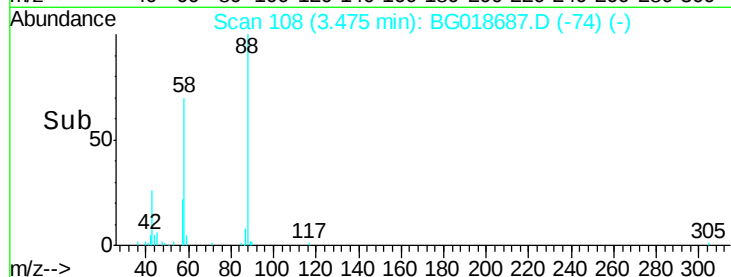
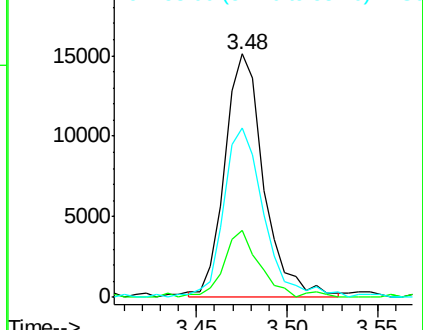
88 100

43 27.8 33.0 49.4#

58 69.8 73.4 110.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC  
Ion 43.00 (42.70 to 43.70): BGC  
Ion 58.00 (57.70 to 58.70): BGC



#8

Bis(2-Chloroethyl)ether

Concen: 204.00 ng/uL

RT: 7.42 min Scan# 780

Delta R.T. 0.01 min

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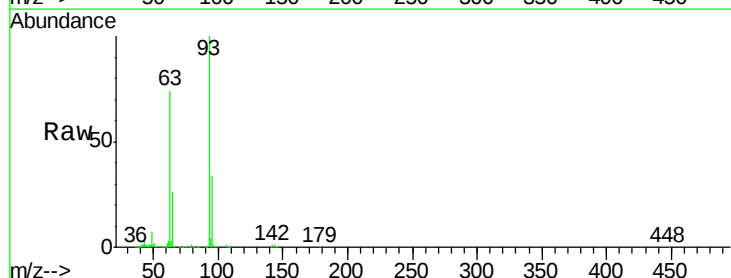
Tgt Ion: 93 Resp: 890605

Ion Ratio Lower Upper

93 100

63 73.7 61.4 92.2

95 34.5 25.9 38.9



Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC

