

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG121515\  
 Data File : BG020178.D  
 Acq On : 15 Dec 2015 7:28  
 Operator : UM/SJ  
 Sample : G4787-12  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 G9BN4

Quant Time: Dec 15 14:16:09 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG121415.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 15 05:59:19 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.10  | 152  | 19379    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.92 | 136  | 87723    | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.73 | 164  | 67029    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.47 | 188  | 181873   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.75 | 240  | 203273   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.02 | 264  | 189555   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.47  | 96  | 2142   | 6.10  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.24  | 99  | 55146  | 32.27 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.42  | 67  | 34877  | 34.21 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.63  | 132 | 41582  | 33.46 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.80  | 113 | 49062  | 33.57 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.27  | 128 | 23868  | 34.90 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.99  | 143 | 27985  | 36.78 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.53 | 165 | 51437  | 33.37 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.05 | 131 | 67655  | 39.08 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.13 | 166 | 193253 | 35.64 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.42 | 160 | 220138 | 34.90 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.91 | 143 | 32974  | 33.91 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.72 | 176 | 172474 | 35.07 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.83 | 200 | 31851  | 29.54 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.57 | 188 | 291210 | 34.75 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.85 | 212 | 319024 | 33.67 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.79 | 264 | 315460 | 33.37 | ng/ul | 0.00 |

## Target Compounds

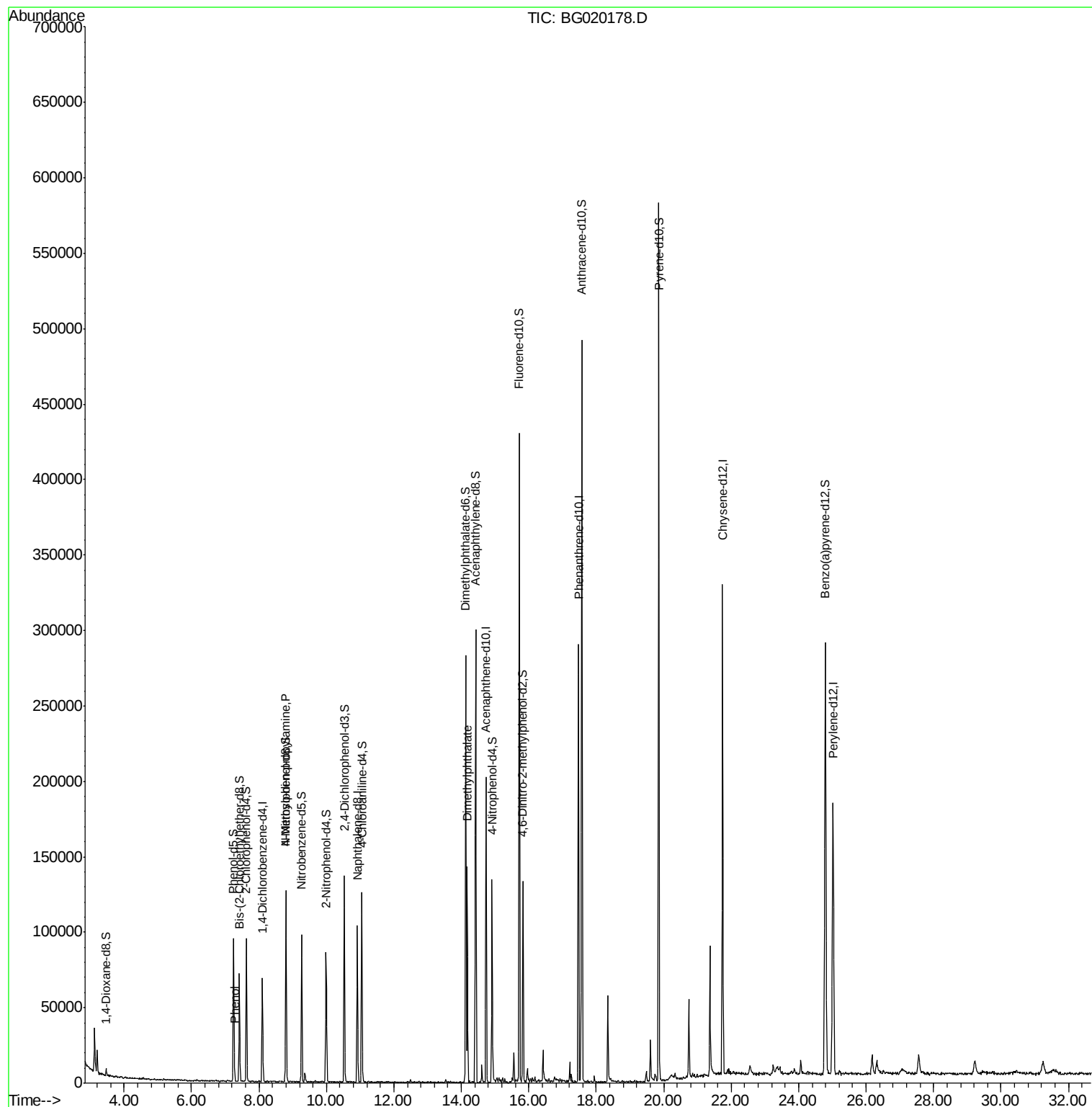
|                                |       |     |       |       |        | Qvalue |
|--------------------------------|-------|-----|-------|-------|--------|--------|
| 6) Phenol                      | 7.28  | 94  | 1942  | 1.06  | ng/ul  | 94     |
| 15) N-Nitroso-di-n-propylamine | 8.80  | 70  | 1218  | 1.01  | ng/ul# | 1      |
| 45) Dimethylphthalate          | 14.17 | 163 | 92744 | 16.75 | ng/ul  | 98     |

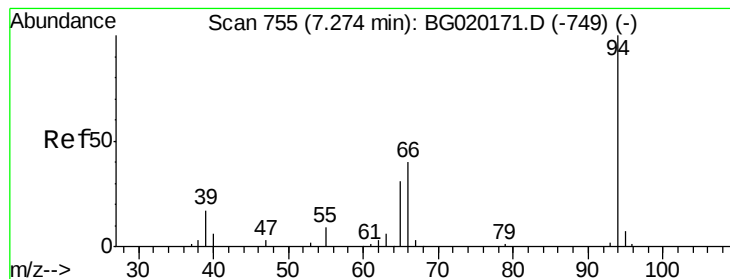
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.06 ng/ul

RT: 7.28 min Scan# 756

Delta R.T. 0.01 min

Lab File: BG020178.D

Acq: 15 Dec 2015 7:28

Instrument :

BNA\_G

ClientSampled :

G9BN4

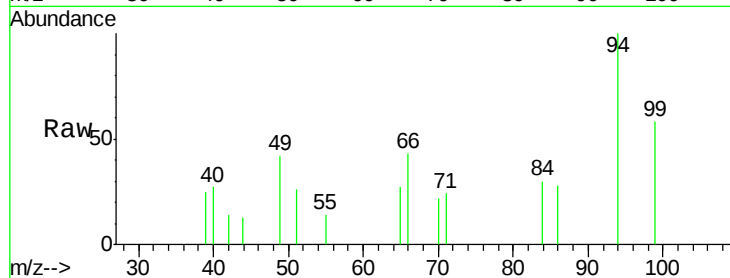
Tgt Ion: 94 Resp: 1942

Ion Ratio Lower Upper

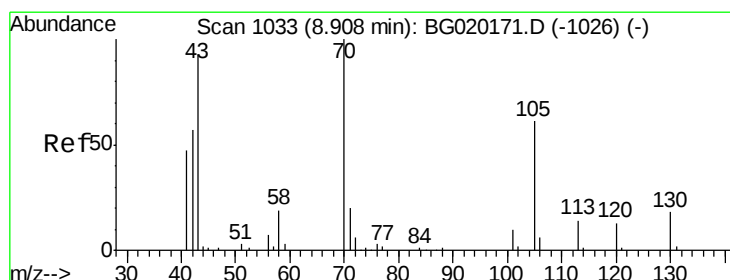
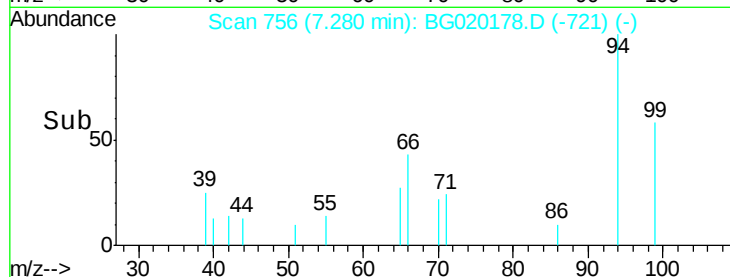
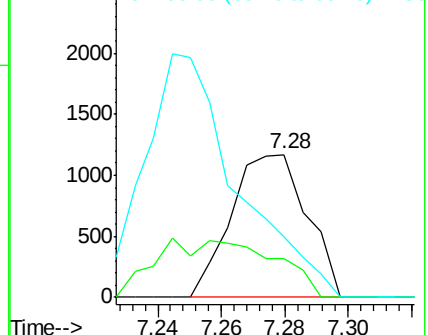
94 100

65 27.1 26.3 39.5

66 42.9 33.3 49.9



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



#15

N-Nitroso-di-n-propylamine

Concen: 1.01 ng/ul

RT: 8.80 min Scan# 1015

Delta R.T. -0.11 min

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Tgt Ion: 70 Resp: 1218

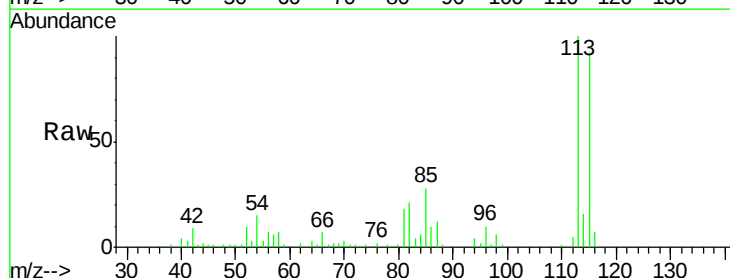
Ion Ratio Lower Upper

70 100

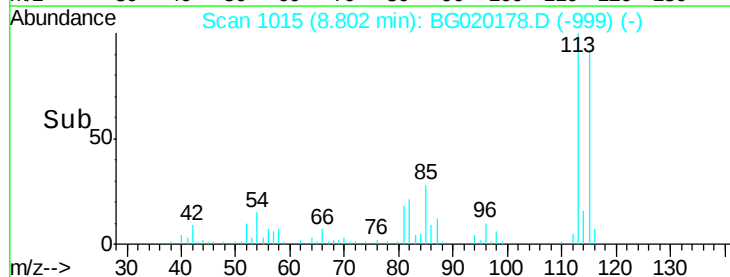
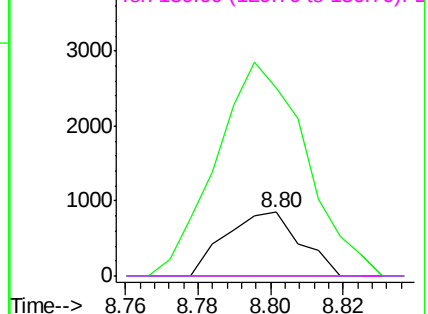
42 295.2 44.3 66.5#

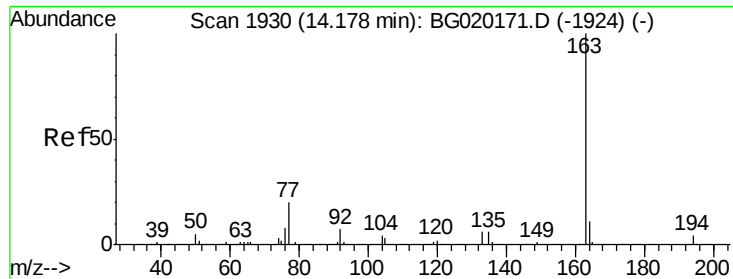
101 0.0 7.6 11.4#

130 0.0 17.0 25.4#



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





#45

Dimethylphthalate

Concen: 16.75 ng/ul

RT: 14.17 min Scan# 1929

Delta R.T. -0.01 min

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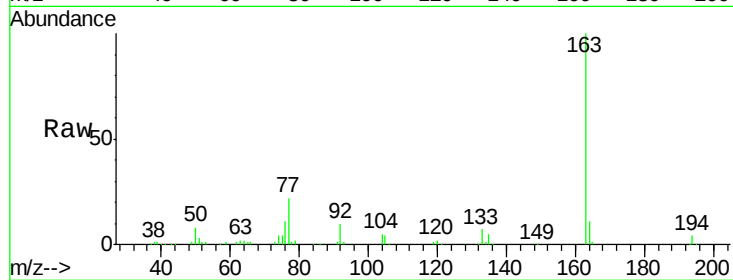
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 163   | Resp: | 92744 |
| Ion      | Ratio | Lower | Upper |
| 163      | 100   |       |       |
| 194      | 4.0   | 3.5   | 5.3   |
| 164      | 10.5  | 7.7   | 11.5  |

