

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG051016\  
 Data File : BG021809.D  
 Acq On : 10 May 2016 10:06  
 Operator : UM/SJ  
 Sample : PB90396BL  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SBLK96

Quant Time: May 11 03:29:57 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  | 74698    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.00 | 136  | 367776   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.80 | 164  | 232239   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.54 | 188  | 529395   | 20.00 | ng/ul | 0.00     |
| 76) Chrysene-d12          | 21.83 | 240  | 565219   | 20.00 | ng/ul | 0.00     |
| 84) Perylene-d12          | 25.16 | 264  | 524832   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.58  | 96  | 8490   | 5.49  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.33  | 99  | 139756 | 25.21 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.50  | 67  | 79769  | 29.02 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.71  | 132 | 132797 | 30.87 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.88  | 113 | 127895 | 27.47 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.35  | 128 | 76531  | 31.65 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.08 | 143 | 56337  | 36.89 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.62 | 165 | 118848 | 27.52 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.14 | 131 | 98269  | 21.12 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.20 | 166 | 521117 | 31.95 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.50 | 160 | 686183 | 29.63 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.99 | 143 | 58801  | 21.03 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.79 | 176 | 488190 | 28.42 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.89 | 200 | 39385  | 26.86 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.64 | 188 | 769518 | 29.86 | ng/ul | 0.00 |
| 77) Pyrene-d10                 | 19.91 | 212 | 809276 | 30.59 | ng/ul | 0.00 |
| 88) Benzo(a)pyrene-d12         | 24.92 | 264 | 768838 | 30.83 | ng/ul | 0.00 |

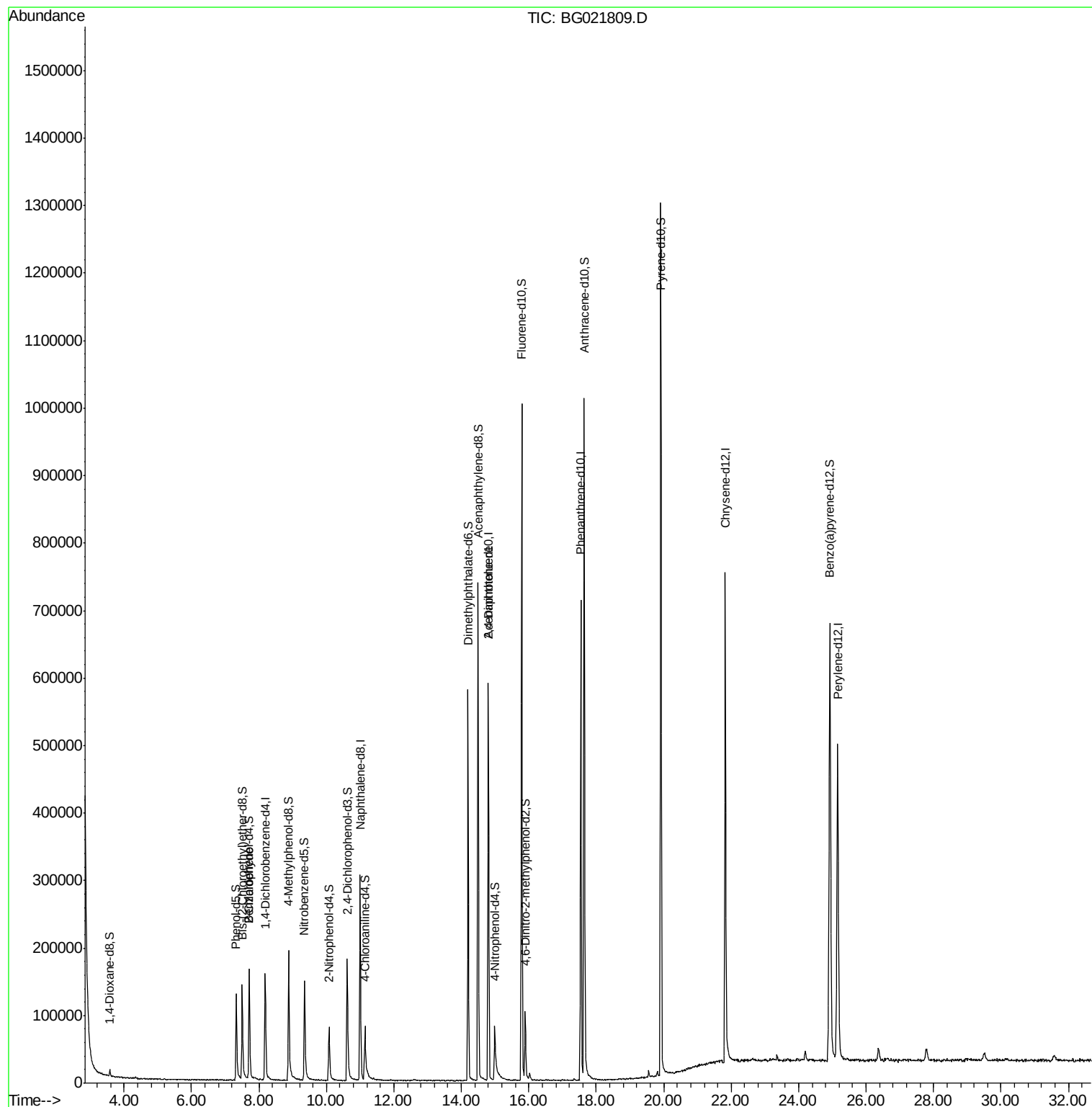
| Target Compounds       |       |     |       |      |        | Qvalue |
|------------------------|-------|-----|-------|------|--------|--------|
| 4) Benzaldehyde        | 7.71  | 77  | 1327  | 2.20 | ng/ul  | 91     |
| 55) 2,4-Dinitrotoluene | 14.80 | 165 | 29698 | 6.54 | ng/ul# | 25     |

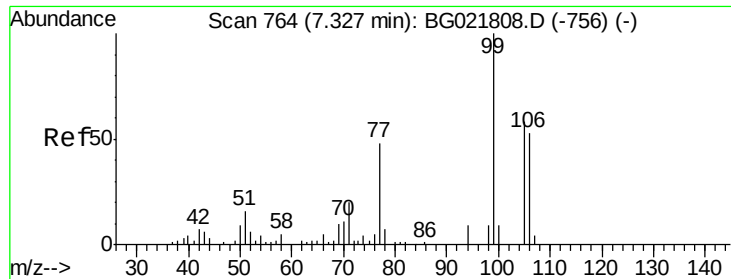
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 2.20 ng/ul

RT: 7.71 min Scan# 829

Delta R.T. 0.38 min

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Instrument :

BNA\_G

ClientSampleId :

SBLK96

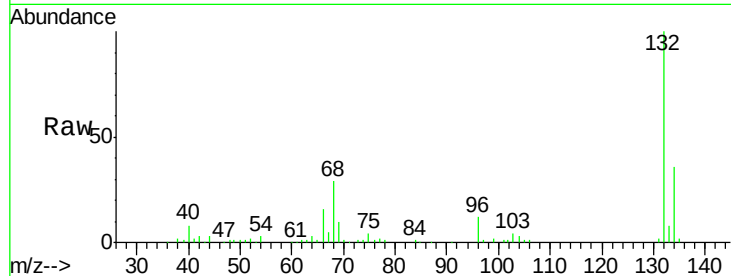
Tgt Ion: 77 Resp: 1327

Ion Ratio Lower Upper

77 100

105 83.6 68.5 102.7

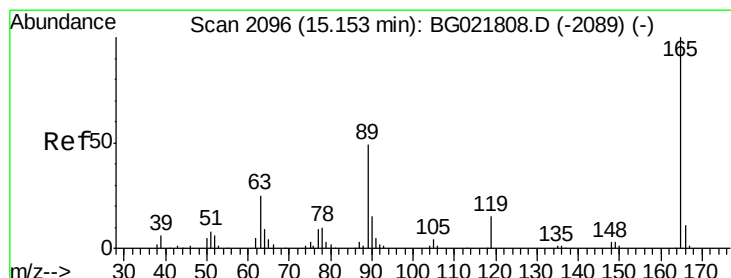
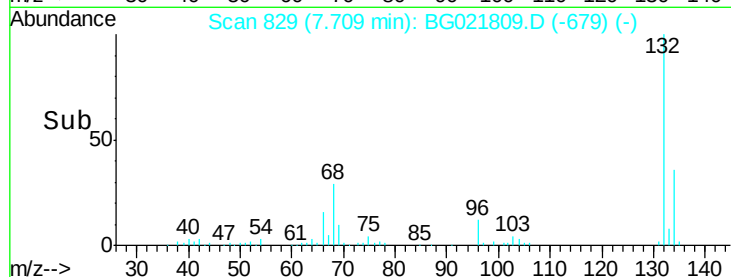
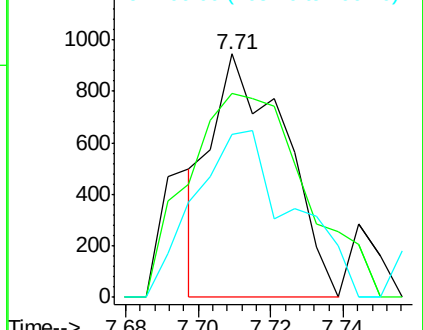
106 67.2 65.0 97.4



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#55

2,4-Dinitrotoluene

Concen: 6.54 ng/ul

RT: 14.80 min Scan# 2036

Delta R.T. -0.35 min

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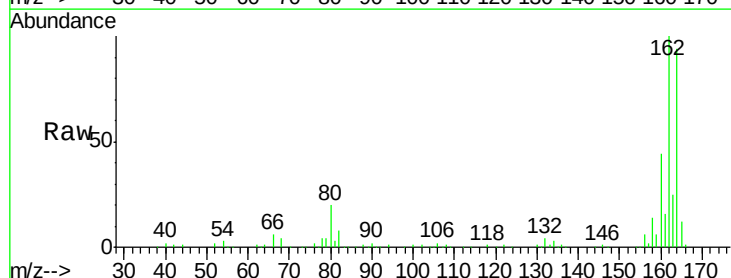
Tgt Ion: 165 Resp: 29698

Ion Ratio Lower Upper

165 100

63 1.0 48.1 72.1#

182 0.0 2.2 3.2#



Abundance Ion 165.00 (164.70 to 165.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

