

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\  
 Data File : BM013029.D  
 Acq On : 18 Nov 2017 08:39  
 Operator : SJ/JU  
 Sample : I6405-04  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BE2S6

Quant Time: Nov 20 05:48:17 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111617.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Nov 18 03:21:50 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 146404   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.50 | 136  | 587963   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.36 | 164  | 345025   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.10 | 188  | 823847   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.29 | 240  | 1014581  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.52 | 264  | 1010779  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.25  | 96  | 22888   | 7.24  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.89  | 99  | 84200   | 6.64  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.06  | 67  | 221754  | 30.82 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.25  | 132 | 251961  | 24.86 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.42  | 113 | 163347  | 15.72 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.87  | 128 | 153204  | 36.56 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.59  | 143 | 155560  | 39.03 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.12 | 165 | 307694  | 30.41 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.64 | 131 | 3851    | 0.36  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.77 | 166 | 1048334 | 34.64 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.05 | 160 | 1237670 | 32.10 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.55 | 143 | 36433   | 7.94  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.35 | 176 | 903644  | 35.14 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.46 | 200 | 143047  | 40.05 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.20 | 188 | 1442545 | 34.20 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.50 | 212 | 1694766 | 32.70 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.38 | 264 | 1798206 | 35.08 | ng/ul | 0.00 |

## Target Compounds

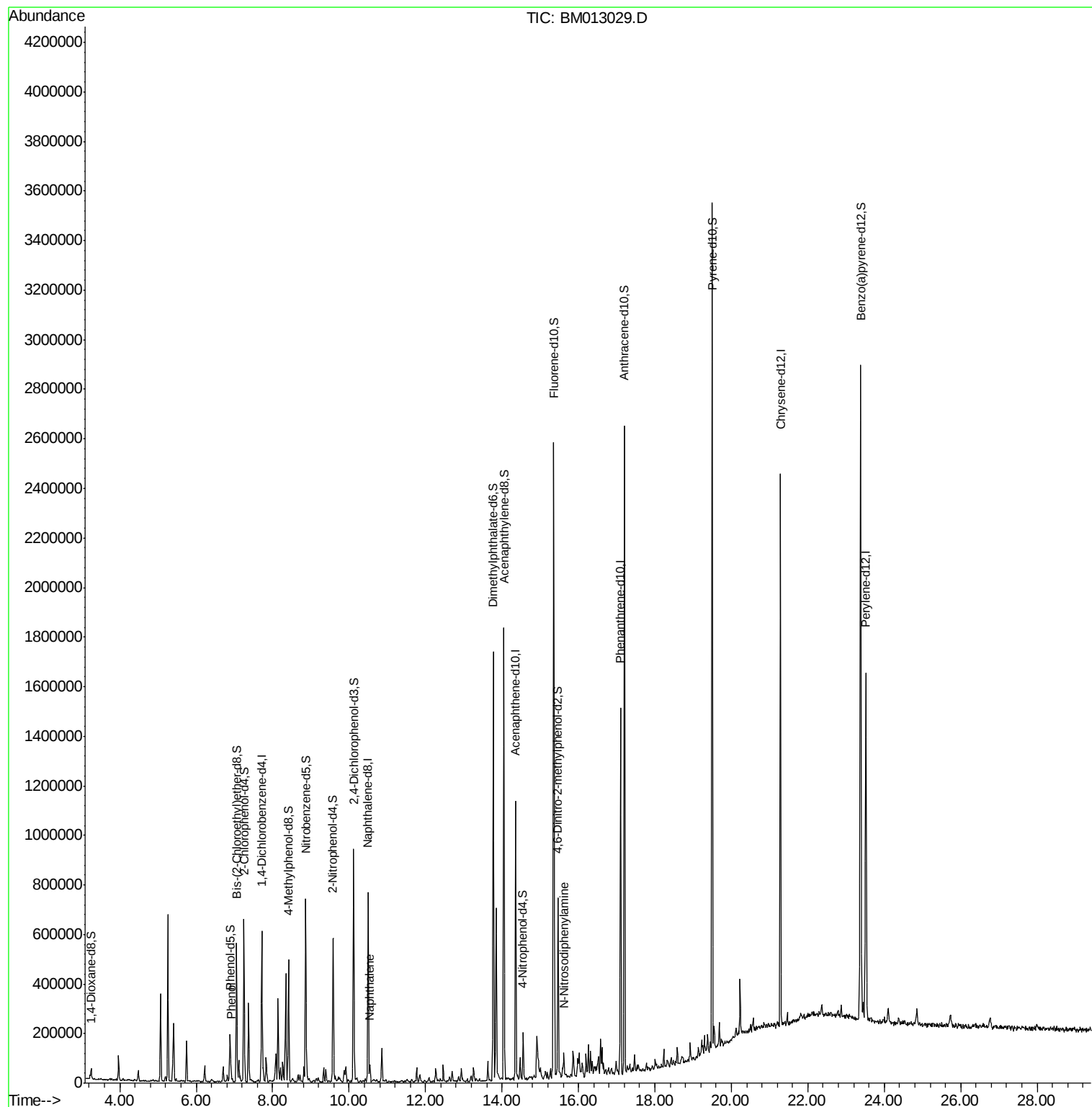
|                            |       |     |       | Ovalue |           |
|----------------------------|-------|-----|-------|--------|-----------|
| 6) Phenol                  | 6.91  | 94  | 27650 | 2.209  | ng/ul# 89 |
| 28) Naphthalene            | 10.55 | 128 | 42821 | 1.413  | ng/ul 98  |
| 64) N-Nitrosodiphenylamine | 15.62 | 169 | 34047 | 1.316  | ng/ul 92  |

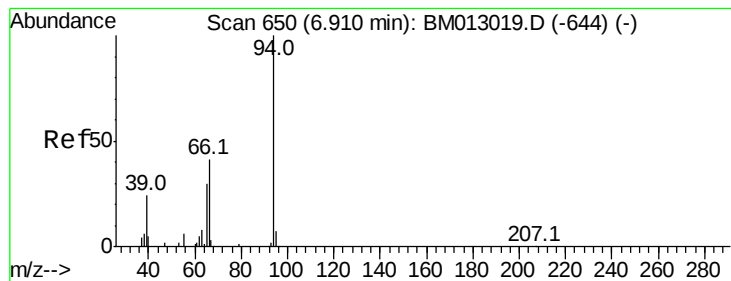
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.209 ng/ul

RT: 6.91 min Scan# 650

Delta R.T. 0.00 min

Lab File: BM013029.D

Acq: 18 Nov 2017 08:39

Instrument :

BNA\_M

ClientSampled :

BE2S6

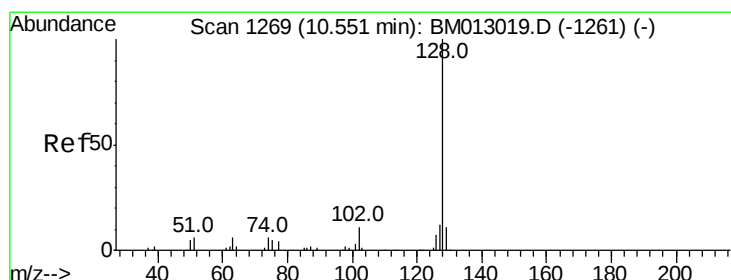
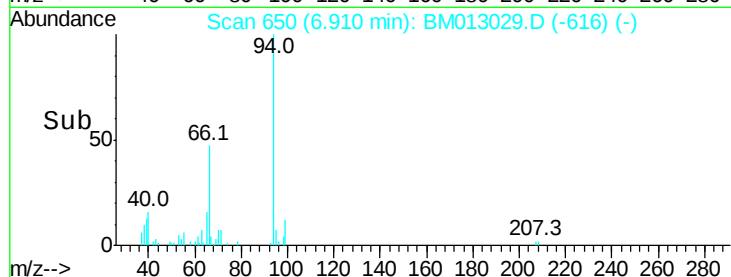
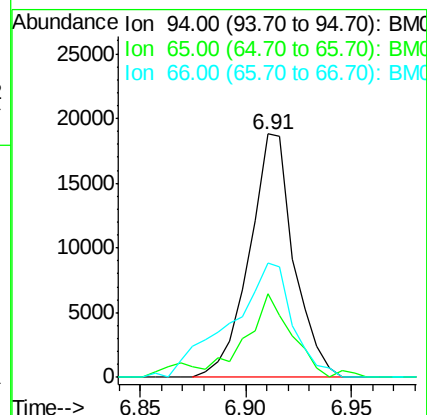
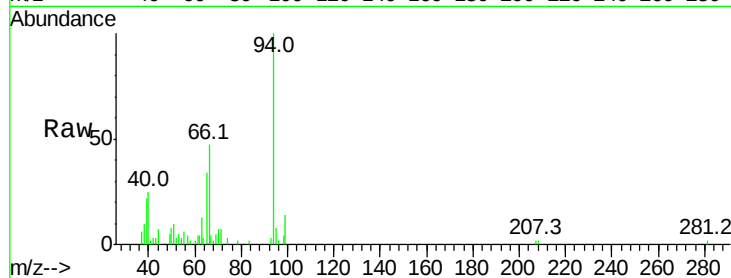
Tot Ion: 94 Resp: 27650

Ion Ratio Lower Upper

94 100

65 34.3 28.2 42.4

66 46.8 47.2 70.8#



#28

Naphthalene

Concen: 1.413 ng/ul

RT: 10.55 min Scan# 1268

Delta R.T. -0.01 min

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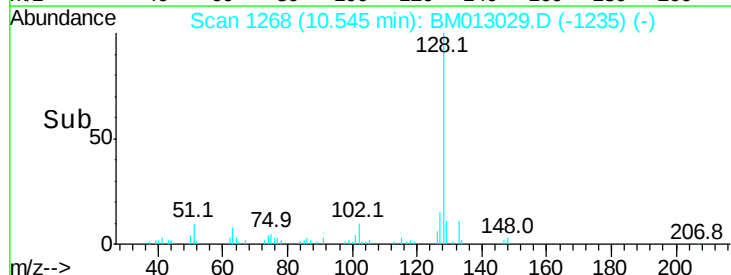
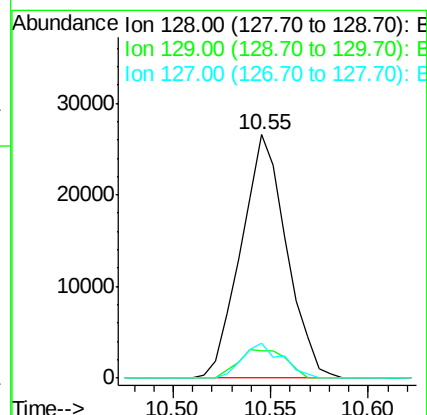
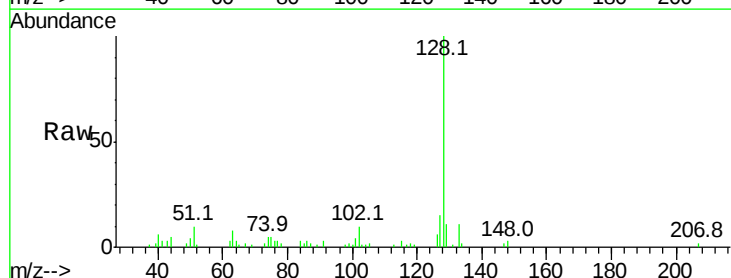
Tgt Ion: 128 Resp: 42821

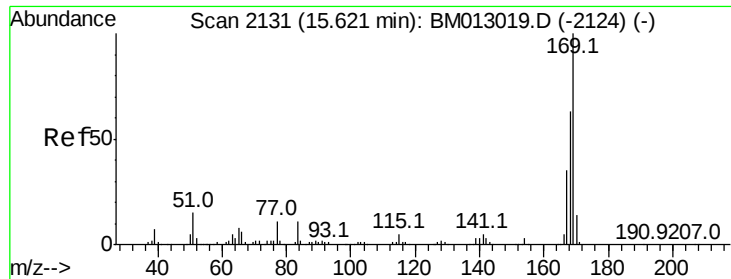
Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

127 14.6 10.6 16.0

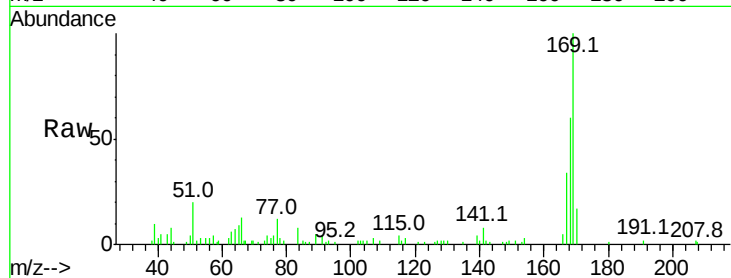




#64  
 N-Nitrosodiphenylamine  
 Concen: 1.316 ng/ul  
 RT: 15.62 min Scan# 2131  
 Delta R.T. 0.00 min  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 59.8  | 54.0  | 81.0  |
| 167     | 34.1  | 29.1  | 43.7  |



Abundance

Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

