

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091918\  
 Data File : BM016813.D  
 Acq On : 20 Sep 2018 01:25  
 Operator : SJ/JU  
 Sample : J4896-18  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Sep 20 03:08:00 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Sep 20 03:06:22 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 301406   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.50 | 136  | 1252807  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.36 | 164  | 667730   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.11 | 188  | 1471206  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.30 | 240  | 1618505  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.53 | 264  | 1747772  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.27  | 96  | 59717   | 8.47  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.89  | 99  | 520856  | 20.49 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.06  | 67  | 319115  | 20.27 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.26  | 132 | 438524  | 21.14 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.42  | 113 | 421284  | 21.42 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.87  | 128 | 204202  | 24.81 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.59  | 143 | 196233  | 26.22 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.12 | 165 | 394375  | 20.74 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.64 | 131 | 516686  | 22.50 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.77 | 166 | 1210437 | 22.58 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.05 | 160 | 1384565 | 19.99 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.56 | 143 | 186246  | 21.17 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.36 | 176 | 1041797 | 22.26 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.47 | 200 | 121554  | 20.13 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.20 | 188 | 1638083 | 23.08 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.50 | 212 | 1817419 | 23.14 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.39 | 264 | 2099320 | 23.03 | ng/ul | 0.00 |

## Target Compounds

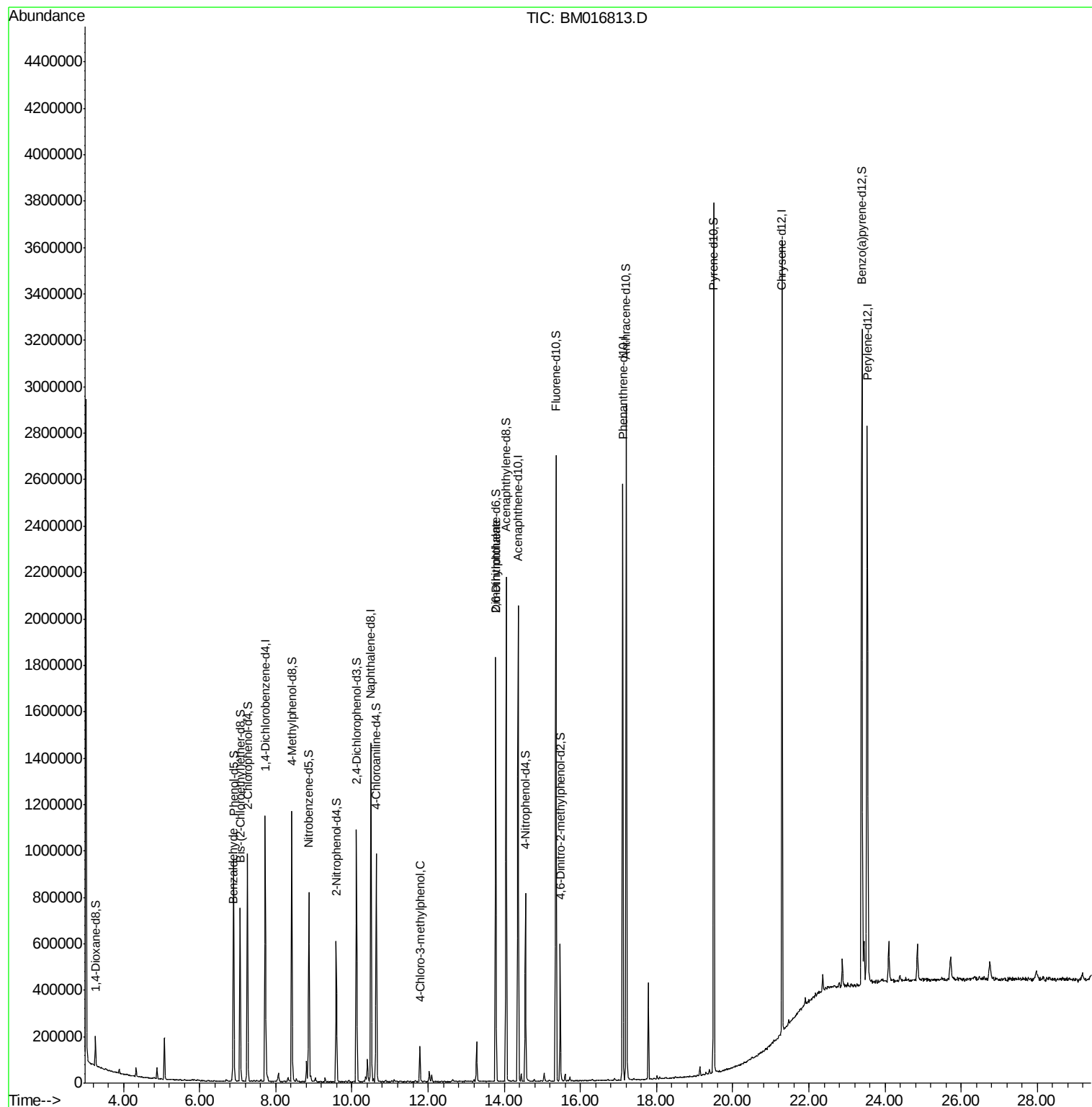
|                             |       |     |       | Ovalue |           |
|-----------------------------|-------|-----|-------|--------|-----------|
| 4) Benzaldehyde             | 6.88  | 77  | 20689 | 1.446  | ng/ul 91  |
| 33) 4-Chloro-3-methylphenol | 11.79 | 107 | 45141 | 2.357  | ng/ul 94  |
| 46) 2,6-Dinitrotoluene      | 13.77 | 165 | 9611  | 1.194  | ng/ul# 39 |

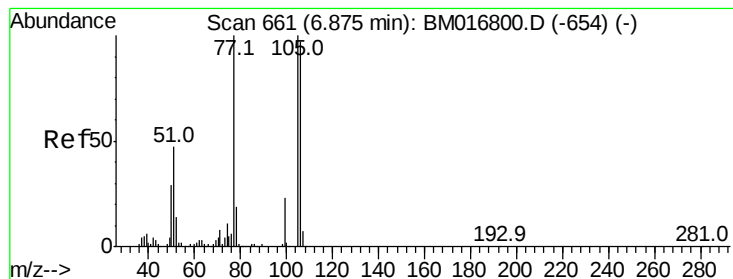
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.446 ng/ul

RT: 6.88 min Scan# 661

Delta R.T. 0.00 min

Lab File: BM016813.D

Acq: 20 Sep 2018 01:25

Instrument :

BNA\_M

ClientSampleId :

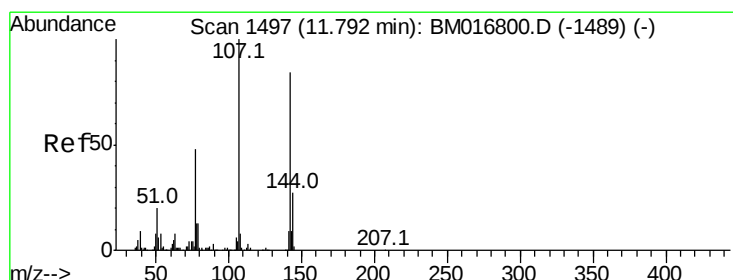
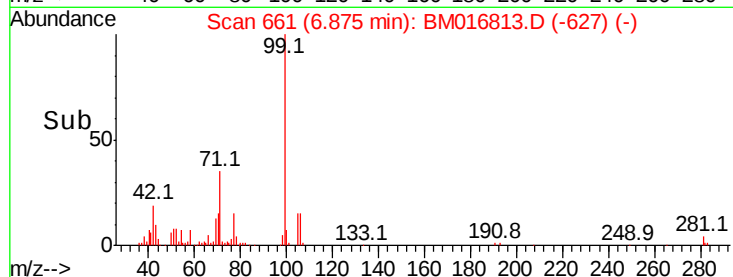
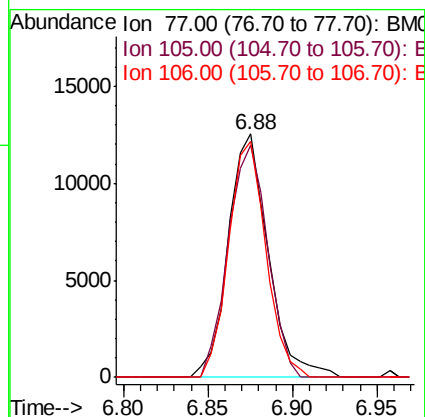
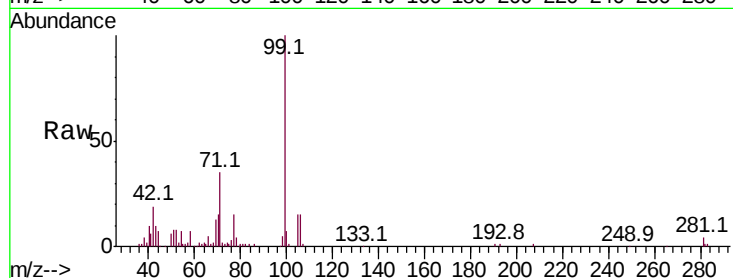
Tot Ion: 77 Resp: 20689

Ion Ratio Lower Upper

77 100

105 95.1 71.0 106.6

106 97.1 69.5 104.3



#33

4-Chloro-3-methylphenol

Concen: 2.357 ng/ul

RT: 11.79 min Scan# 1496

Delta R.T. -0.01 min

Lab File: BM016813.D

Acq: 20 Sep 2018 01:25

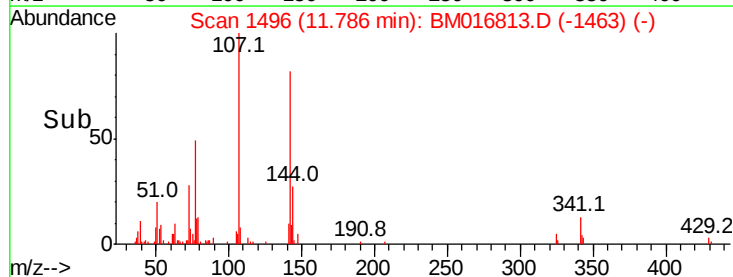
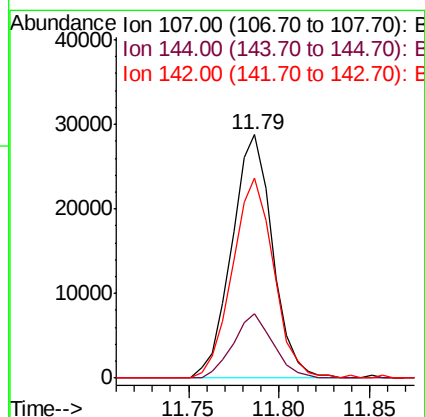
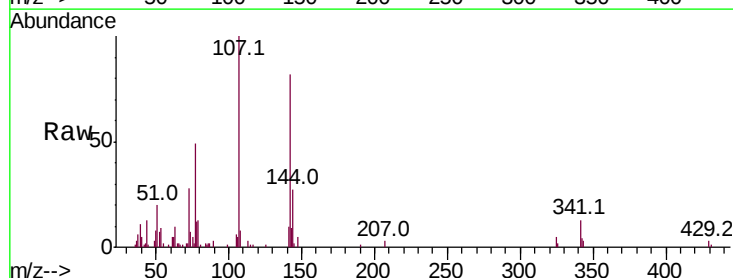
Tgt Ion: 107 Resp: 45141

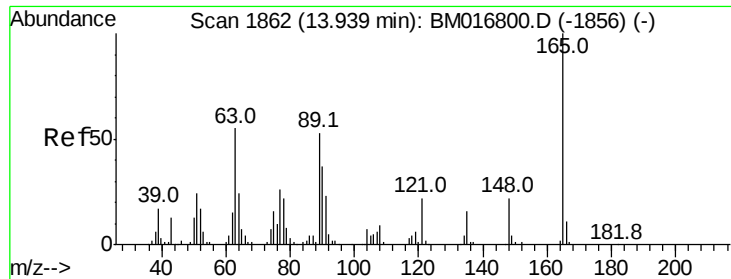
Ion Ratio Lower Upper

107 100

144 26.6 21.1 31.7

142 82.4 60.1 90.1

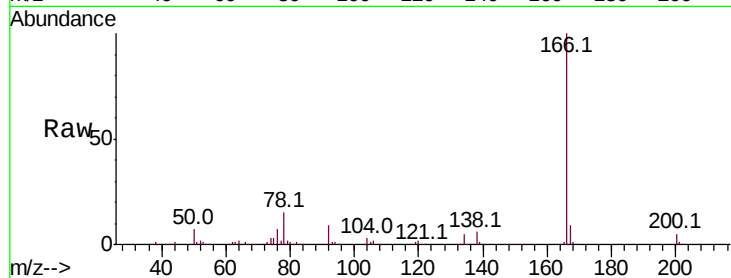




#46  
 2,6-Dinitrotoluene  
 Concen: 1.194 ng/ul  
 RT: 13.77 min Scan# 1834  
 Delta R.T. -0.16 min  
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 Acq: 20 Sep 2018 01:25

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:165 Resp: 9611  
 Ion Ratio Lower Upper  
 165 100  
 89 0.0 43.8 65.8#  
 121 34.5 17.8 26.6#



Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 89.00 (88.70 to 89.70): BM0  
 Ion 121.00 (120.70 to 121.70): E

