

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052116\  
 Data File : BM005576.D  
 Acq On : 22 May 2016 06:39  
 Operator : UM/SJ  
 Sample : H2890-10  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9WT6

Quant Time: May 23 07:56:10 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon May 23 05:32:02 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.83  | 152  | 139455   | 20.00 | ng/ul | 0.02     |
| 18) Naphthalene-d8        | 10.62 | 136  | 586011   | 20.00 | ng/ul | 0.01     |
| 35) Acenaphthene-d10      | 14.46 | 164  | 323237   | 20.00 | ng/ul | 0.01     |
| 61) Phenanthrene-d10      | 17.20 | 188  | 719192   | 20.00 | ng/ul | 0.01     |
| 75) Chrysene-d12          | 21.38 | 240  | 764506   | 20.00 | ng/ul | 0.02     |
| 83) Perylene-d12          | 23.67 | 264  | 763480   | 20.00 | ng/ul | 0.03     |

| System Monitoring Compounds    | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 3) 1,4-Dioxane-d8              | 3.31  | 96   | 7401     | 2.32  | ng/uL | 0.02     |
| 5) Phenol-d5                   | 7.00  | 99   | 148658   | 13.01 | ng/ul | 0.02     |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.16  | 67   | 90683    | 13.69 | ng/ul | 0.01     |
| 9) 2-Chlorophenol-d4           | 7.36  | 132  | 126044   | 13.22 | ng/ul | 0.02     |
| 13) 4-Methylphenol-d8          | 8.53  | 113  | 98056    | 10.47 | ng/ul | 0.01     |
| 19) Nitrobenzene-d5            | 8.98  | 128  | 61344    | 13.69 | ng/ul | 0.01     |
| 22) 2-Nitrophenol-d4           | 9.70  | 143  | 68143    | 13.82 | ng/ul | 0.01     |
| 26) 2,4-Dichlorophenol-d3      | 10.24 | 165  | 121531   | 13.08 | ng/ul | 0.01     |
| 29) 4-Chloroaniline-d4         | 10.75 | 131  | 122412   | 13.16 | ng/ul | 0.01     |
| 43) Dimethylphthalate-d6       | 13.87 | 166  | 386921   | 14.66 | ng/ul | 0.01     |
| 46) Acenaphthylene-d8          | 14.15 | 160  | 480819   | 14.58 | ng/ul | 0.01     |
| 51) 4-Nitrophenol-d4           | 14.66 | 143  | 31210    | 6.25  | ng/ul | 0.01     |
| 57) Fluorene-d10               | 15.45 | 176  | 341057   | 14.86 | ng/ul | 0.01     |
| 62) 4,6-Dinitro-2-methylphenol | 15.57 | 200  | 24690    | 5.97  | ng/ul | 0.01     |
| 70) Anthracene-d10             | 17.30 | 188  | 503738   | 14.70 | ng/ul | 0.01     |
| 76) Pyrene-d10                 | 19.59 | 212  | 580764   | 16.77 | ng/ul | 0.02     |
| 87) Benzo(a)pyrene-d12         | 23.52 | 264  | 546160   | 15.32 | ng/ul | 0.02     |

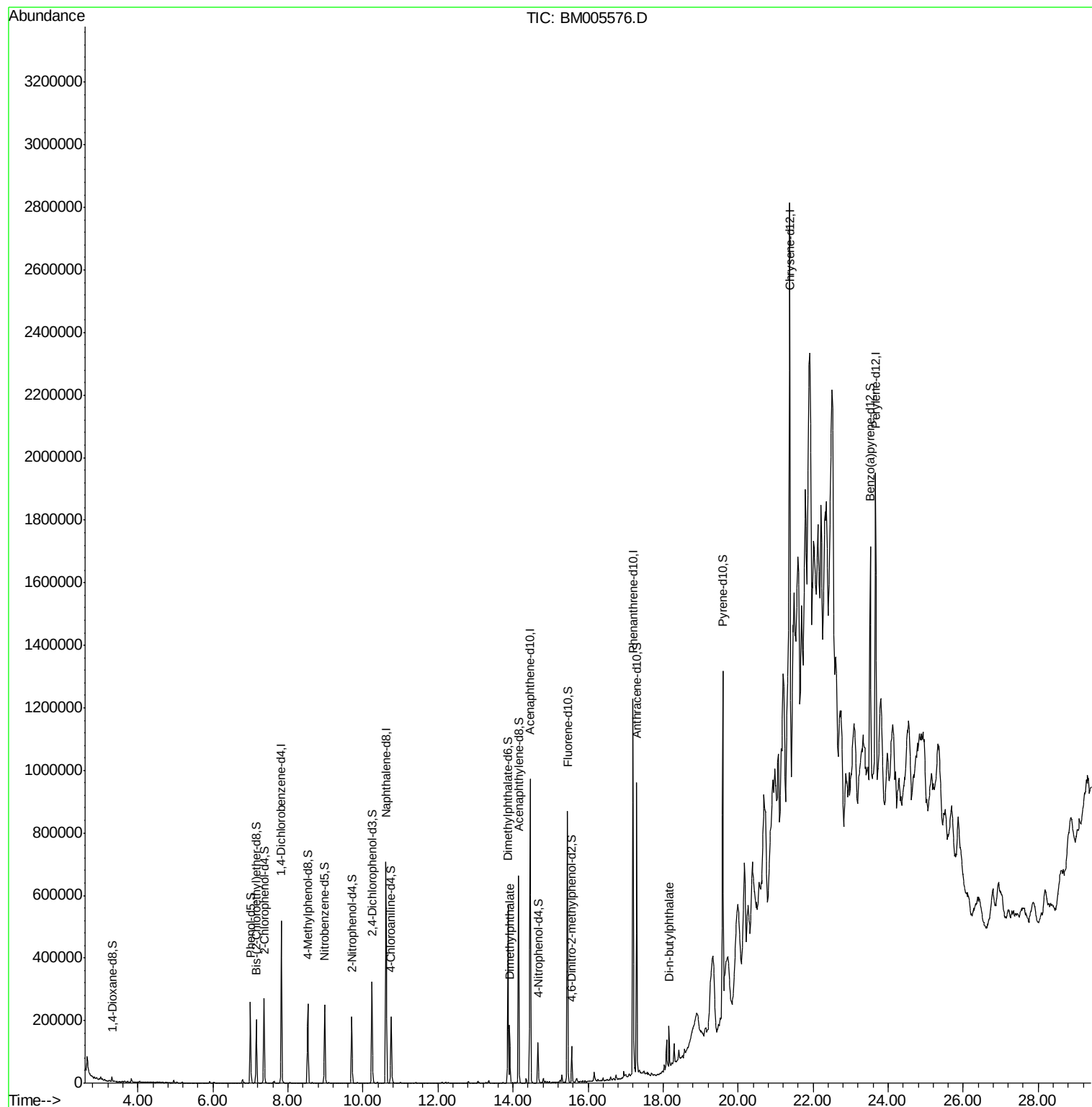
| Target Compounds        | R.T.  | QIon | Response | Conc | Units  | Qvalue |
|-------------------------|-------|------|----------|------|--------|--------|
| 44) Dimethylphthalate   | 13.92 | 163  | 120953   | 4.64 | ng/ul  | 100    |
| 73) Di-n-butylphthalate | 18.16 | 149  | 95715    | 2.22 | ng/ul# | 97     |

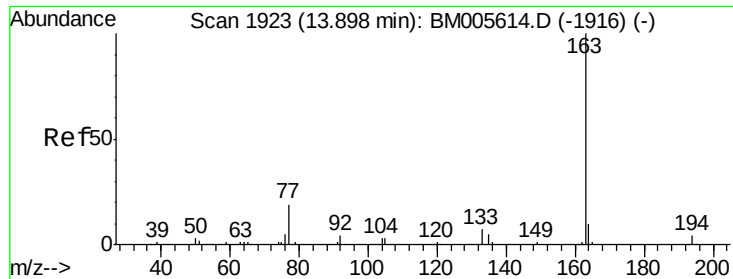
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#44

Dimethylphthalate

Concen: 4.64 ng/ul

RT: 13.92 min Scan# 1926

Delta R.T. 0.01 min

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BNA\_M

ClientSampleId :

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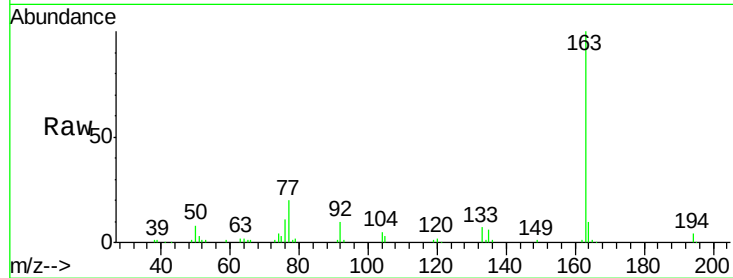
Tgt Ion:163 Resp: 120953

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.0

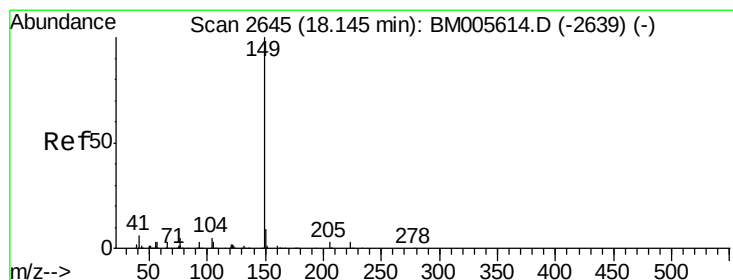
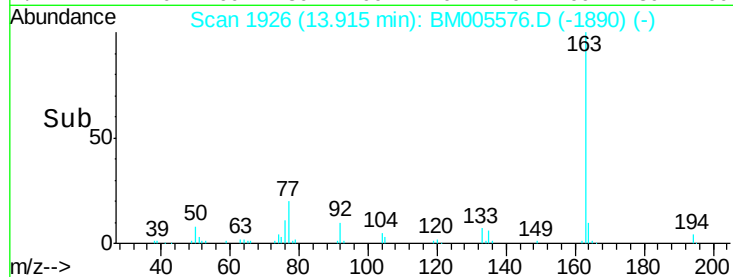
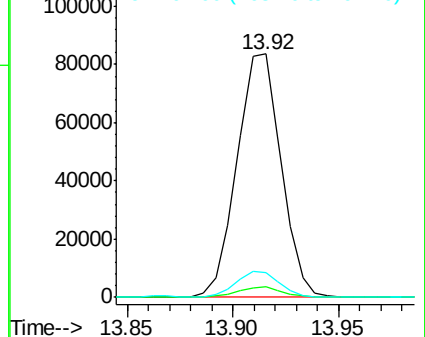
164 10.2 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#73

Di-n-butylphthalate

Concen: 2.22 ng/ul

RT: 18.16 min Scan# 2648

Delta R.T. 0.01 min

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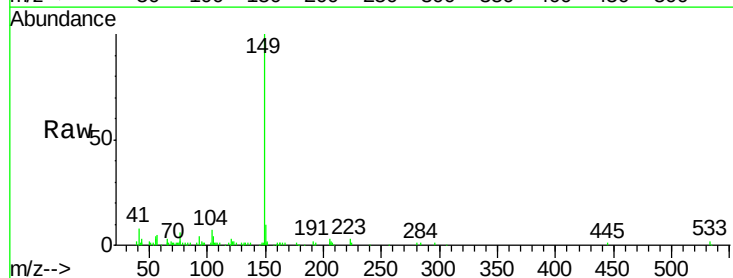
Tgt Ion:149 Resp: 95715

Ion Ratio Lower Upper

149 100

150 9.8 7.4 11.0

104 7.4 4.4 6.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

