

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042516\  
 Data File : BM005068.D  
 Acq On : 26 Apr 2016 06:10  
 Operator : UM/SJ  
 Sample : H2584-17  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BC7N4

Manual Integrations  
 APPROVED

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 4/26/2016 6:00:18 PM

Quant Time: Apr 26 07:28:39 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM042516.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Apr 26 00:45:11 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.80  | 152  | 32665    | 20.00 | ng/ul | 0.00      |
| 18) Naphthalene-d8             | 10.59 | 136  | 204115   | 20.00 | ng/ul | 0.00      |
| 35) Acenaphthene-d10           | 14.44 | 164  | 161975   | 20.00 | ng/ul | 0.00      |
| 61) Phenanthrene-d10           | 17.19 | 188  | 406456   | 20.00 | ng/ul | 0.00      |
| 75) Chrysene-d12               | 21.37 | 240  | 482229   | 20.00 | ng/ul | 0.00      |
| 83) Perylene-d12               | 23.66 | 264  | 436296   | 20.00 | ng/ul | 0.00      |
| System Monitoring Compounds    |       |      |          |       |       |           |
| 3) 1,4-Dioxane-d8              | 3.30  | 96   | 3885     | 6.04  | ng/uL | 0.00      |
| 5) Phenol-d5                   | 6.97  | 99   | 57249    | 21.19 | ng/ul | 0.00      |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.13  | 67   | 90063    | 58.58 | ng/ul | 0.00      |
| 9) 2-Chlorophenol-d4           | 7.33  | 132  | 109258   | 51.10 | ng/ul | 0.00      |
| 13) 4-Methylphenol-d8          | 8.50  | 113  | 64548    | 28.18 | ng/ul | 0.00      |
| 19) Nitrobenzene-d5            | 8.96  | 128  | 65600    | 46.40 | ng/ul | 0.00      |
| 22) 2-Nitrophenol-d4           | 9.67  | 143  | 77063    | 48.86 | ng/ul | 0.00      |
| 26) 2,4-Dichlorophenol-d3      | 10.21 | 165  | 127720   | 42.63 | ng/ul | 0.00      |
| 29) 4-Chloroaniline-d4         | 0.00  | 131  | 0        | 0.00  | ng/ul | 0.00      |
| 43) Dimethylphthalate-d6       | 13.84 | 166  | 489440   | 38.26 | ng/ul | 0.00      |
| 46) Acenaphthylene-d8          | 14.13 | 160  | 425293   | 27.92 | ng/ul | 0.00      |
| 51) 4-Nitrophenol-d4           | 14.64 | 143  | 30535m   | 13.66 | ng/ul | 0.00      |
| 57) Fluorene-d10               | 15.43 | 176  | 412447   | 36.69 | ng/ul | 0.00      |
| 62) 4,6-Dinitro-2-methylphenol | 15.56 | 200  | 88276    | 38.18 | ng/ul | 0.00      |
| 70) Anthracene-d10             | 17.28 | 188  | 589056   | 32.32 | ng/ul | 0.00      |
| 76) Pyrene-d10                 | 19.58 | 212  | 685989   | 31.25 | ng/ul | 0.00      |
| 87) Benzo(a)pyrene-d12         | 23.51 | 264  | 609440   | 31.18 | ng/ul | 0.00      |
| Target Compounds               |       |      |          |       |       |           |
| 69) Phenanthrene               | 17.23 | 178  | 44557    | 2.06  | ng/ul | Ovalue 99 |
| 74) Fluoranthene               | 19.24 | 202  | 54384    | 2.28  | ng/ul | 99        |

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

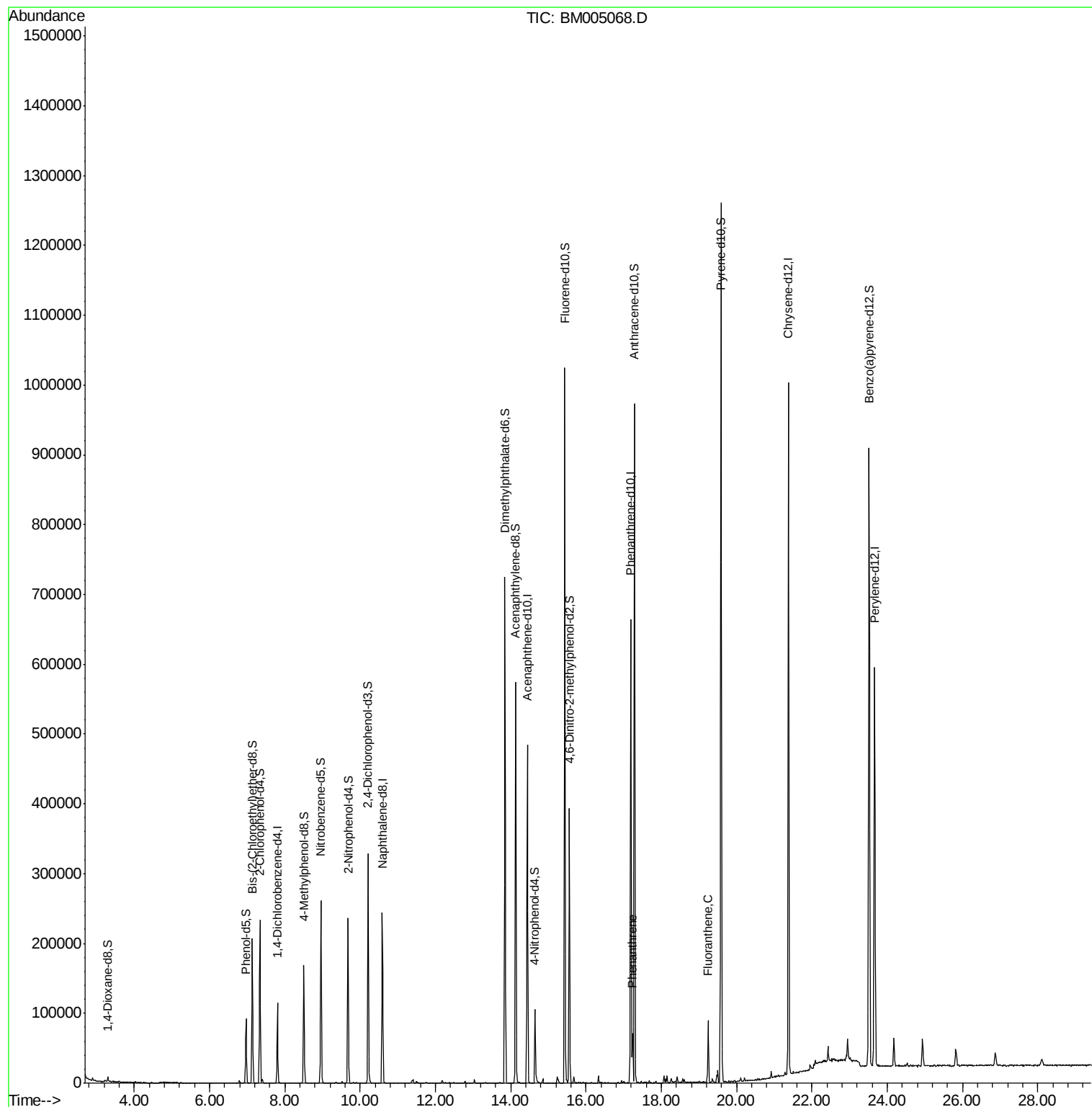
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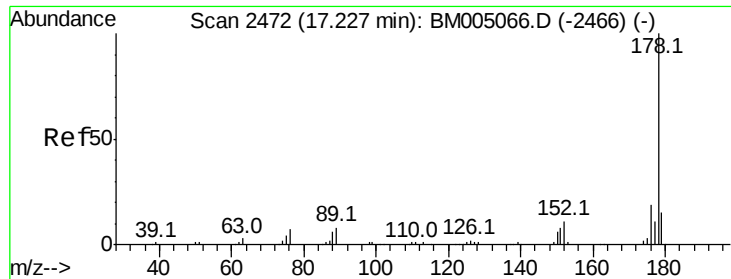
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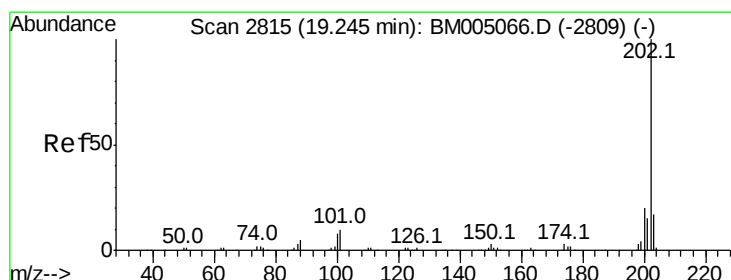
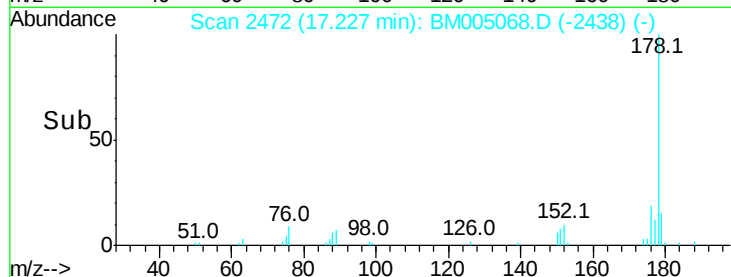
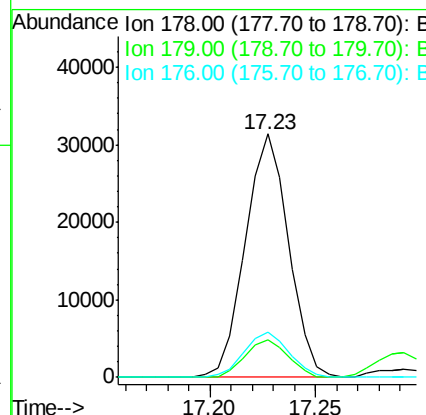
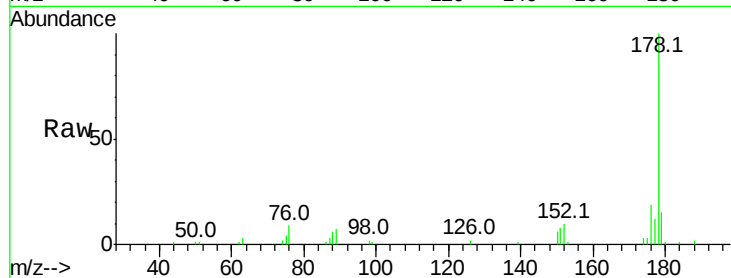
#69  
 Phenanthrene  
 Concen: 2.06 ng/ul  
 RT: 17.23 min Scan# 2472  
 Delta R.T. 0.00 min  
 Lab File: BM005068.D  
 Acq: 26 Apr 2016 06:10

Instrument :  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.4  | 11.8  | 17.8  |
| 176     | 18.6  | 15.2  | 22.8  |

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#74  
 Fluoranthene  
 Concen: 2.28 ng/ul  
 RT: 19.24 min Scan# 2815  
 Delta R.T. 0.00 min  
 Lab File: BM005068.D  
 Acq: 26 Apr 2016 06:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.6  | 9.0   | 13.4  |
| 100     | 8.3   | 6.6   | 10.0  |

