

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM061616\  
 Data File : BM005826.D  
 Acq On : 16 Jun 2016 04:39  
 Operator : UM/SJ  
 Sample : H3535-12MS  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9XX1MS

Manual Integrations  
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Quant Time: Jun 16 05:30:04 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM061516.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 16 01:45:55 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.73  | 152  | 79107    | 20.00 | ng/ul | 0.00     |
| 7) Naphthalene-d8         | 10.52 | 136  | 398837   | 20.00 | ng/ul | 0.00     |
| 15) Acenaphthene-d10      | 14.38 | 164  | 272995   | 20.00 | ng/ul | 0.00     |
| 23) Phenanthrene-d10      | 17.13 | 188  | 669434   | 20.00 | ng/ul | 0.00     |
| 29) Chrysene-d12          | 21.31 | 240  | 789330   | 20.00 | ng/ul | 0.00     |
| 34) Perylene-d12          | 23.56 | 264  | 719555   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 2) 1,4-Dioxane-d8              | 3.18  | 96  | 2567   | 1.50  | ng/uL | 0.00 |
| 3) Phenol-d5                   | 6.92  | 99  | 94892  | 14.60 | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl)ether-d  | 7.07  | 67  | 70715  | 18.29 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4           | 7.27  | 132 | 87692  | 16.20 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8           | 8.46  | 113 | 55845  | 10.17 | ng/ul | 0.00 |
| 8) Nitrobenzene-d5             | 8.90  | 128 | 47566  | 16.84 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4            | 9.62  | 143 | 48241  | 15.37 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3      | 10.16 | 165 | 91488  | 15.24 | ng/ul | 0.00 |
| 12) 4-Chloroaniline-d4         | 10.68 | 131 | 43397m | 6.58  | ng/ul | 0.01 |
| 16) Dimethylphthalate-d6       | 13.79 | 166 | 351282 | 16.21 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8          | 14.07 | 160 | 492110 | 17.87 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4           | 14.62 | 143 | 49848m | 20.01 | ng/ul | 0.00 |
| 21) Fluorene-d10               | 15.37 | 176 | 362135 | 20.06 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.52 | 200 | 40641  | 13.57 | ng/ul | 0.00 |
| 26) Anthracene-d10             | 17.22 | 188 | 578184 | 18.62 | ng/ul | 0.00 |
| 30) Pyrene-d10                 | 19.52 | 212 | 694594 | 18.08 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12         | 23.42 | 264 | 591000 | 17.78 | ng/ul | 0.00 |

| Target Compounds |       |     |        |             | Qvalue |
|------------------|-------|-----|--------|-------------|--------|
| 19) Acenaphthene | 14.44 | 153 | 323839 | 17.81 ng/ul | 99     |
| 31) Pyrene       | 19.55 | 202 | 877219 | 18.09 ng/ul | 95     |

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

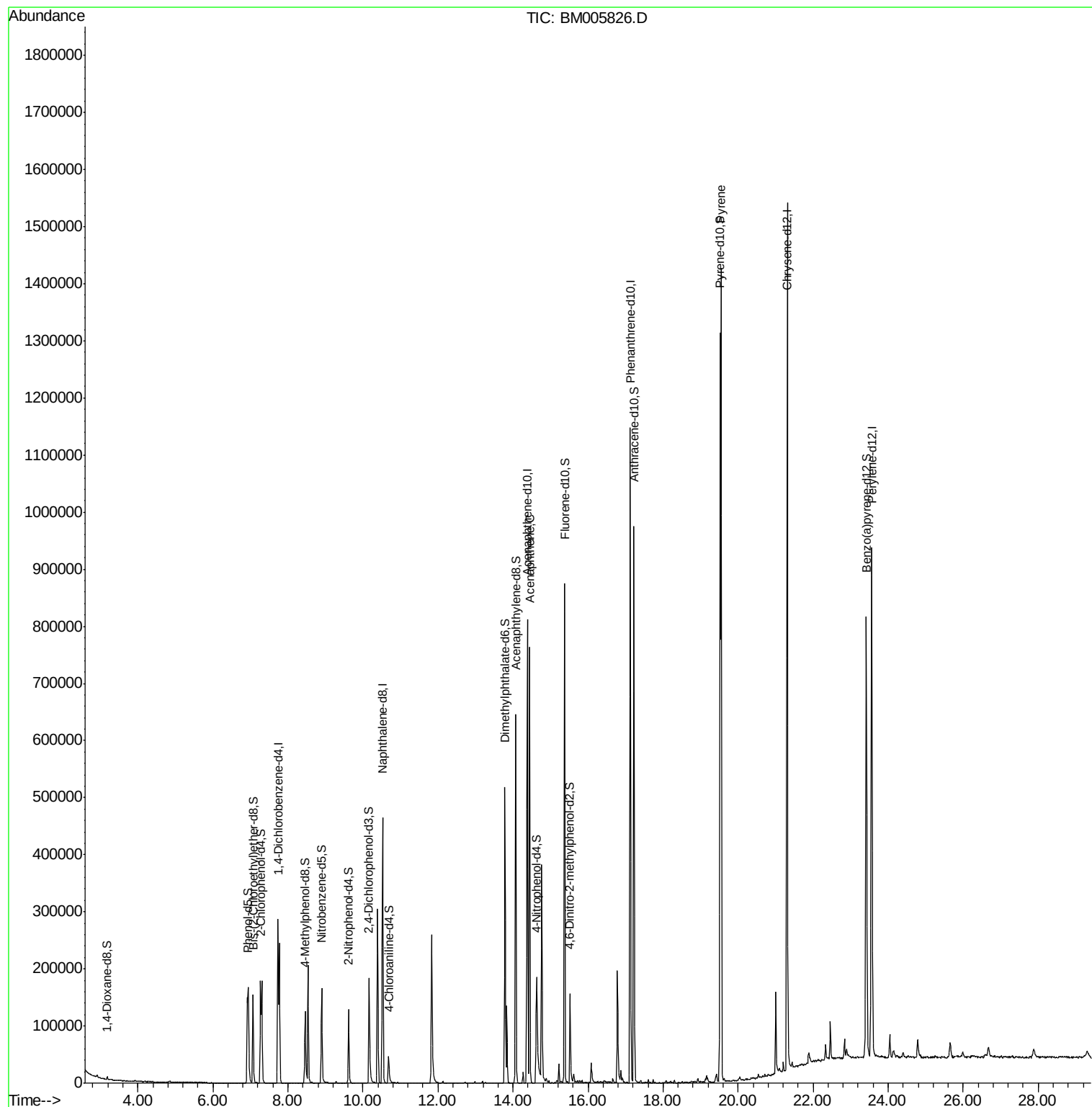
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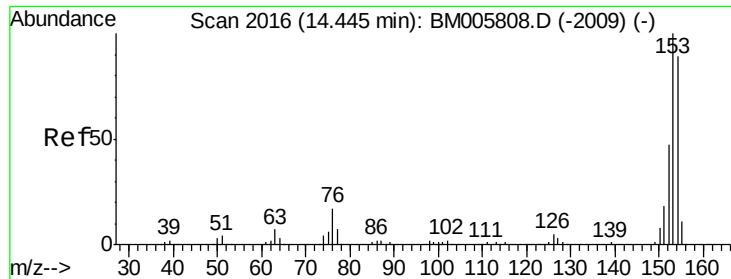
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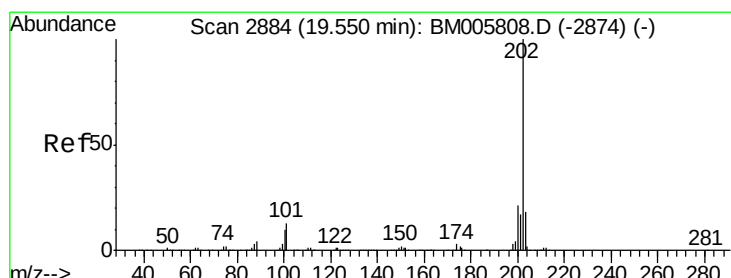
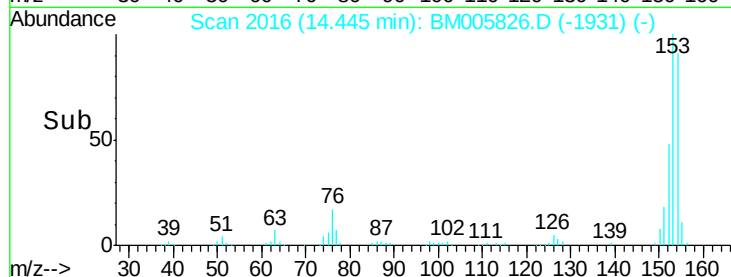
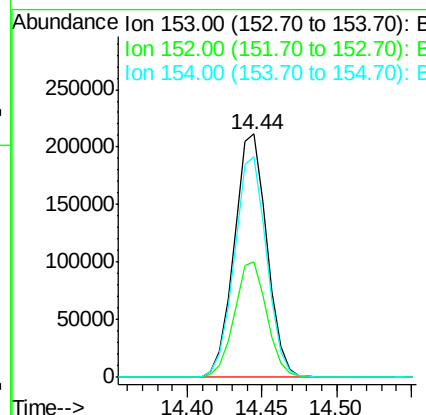
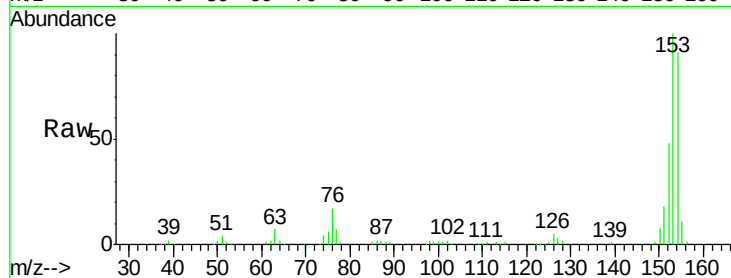
#19  
Acenaphthene  
Concen: 17.81 ng/ul  
RT: 14.44 min Scan# 2016  
Delta R.T. -0.00 min  
Lab File: BM005826.D  
Acq: 16 Jun 2016 04:39

Instrument :  
BNA\_M  
ClientSampleId :  
D9XX1MS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 153     | 100   | 323839 |       |       |
| 152     | 47.7  |        | 38.1  | 57.1  |
| 154     | 90.5  |        | 71.6  | 107.4 |

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#31  
Pyrene  
Concen: 18.09 ng/ul  
RT: 19.55 min Scan# 2884  
Delta R.T. -0.00 min  
Lab File: BM005826.D  
Acq: 16 Jun 2016 04:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 877219 |       |       |
| 101     | 11.7  |        | 11.0  | 16.4  |
| 100     | 9.2   |        | 8.9   | 13.3  |

