

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121816\  
 Data File : BM008413.D  
 Acq On : 17 Dec 2016 15:58  
 Operator : UM/SJ  
 Sample : H6067-18  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA7H4

Manual Integrations  
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Quant Time: Dec 18 04:04:41 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Dec 18 02:31:56 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 114900   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.43 | 136  | 461900   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.30 | 164  | 306875   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.06 | 188  | 638015   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.26 | 240  | 826878   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.49 | 264  | 858546   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.23  | 96  | 15211   | 6.23  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.85  | 99  | 254054  | 28.50 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.00  | 67  | 164785  | 32.16 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.20  | 132 | 204358  | 30.47 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.37  | 113 | 203489  | 29.47 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.82  | 128 | 103027  | 30.86 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.54  | 143 | 113792  | 30.76 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.08 | 165 | 198078  | 29.22 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.60 | 131 | 246169  | 31.68 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.72 | 166 | 680189  | 33.34 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.99 | 160 | 823690  | 34.17 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.59 | 143 | 52422m  | 17.44 | ng/ul | 0.03 |
| 57) Fluorene-d10               | 15.30 | 176 | 598056  | 33.73 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.47 | 200 | 53747   | 14.15 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.16 | 188 | 958456  | 34.48 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.46 | 212 | 1166696 | 36.54 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.34 | 264 | 1248580 | 34.63 | ng/ul | 0.00 |

## Target Compounds

|                         |       |     |        |      | Ovalue   |
|-------------------------|-------|-----|--------|------|----------|
| 6) Phenol               | 6.88  | 94  | 42782  | 4.62 | ng/ul 95 |
| 34) 2-Methylnaphthalene | 12.12 | 142 | 22471  | 1.42 | ng/ul 98 |
| 44) Dimethylphthalate   | 13.77 | 163 | 146477 | 7.33 | ng/ul 98 |
| 69) Phenanthrene        | 17.10 | 178 | 36109  | 1.10 | ng/ul 95 |

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

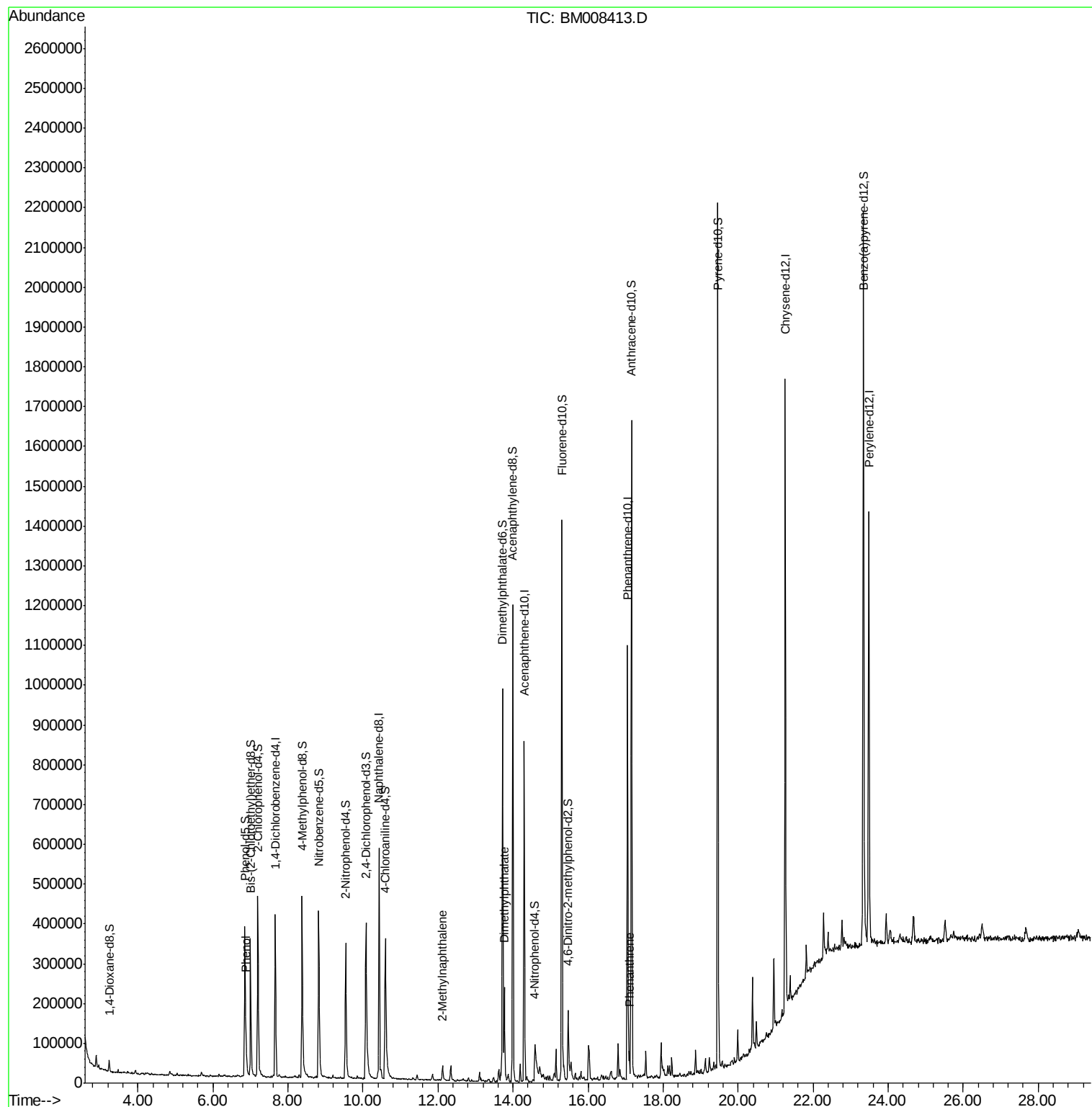
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121816\  
Data File : BM008413.D  
Acq On : 17 Dec 2016 15:58  
Operator : UM/SJ  
Sample : H6067-18  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

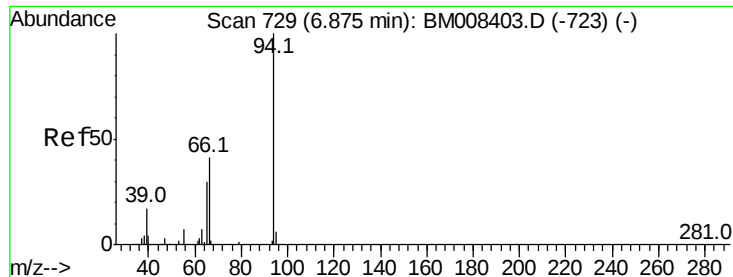
Instrument :  
BNA\_M  
ClientSampleId :  
DA7H4

Quant Time: Dec 18 04:04:41 2016  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM12  
Quant Title : SVOA CALIBRATION  
QLast Update : Sun Dec 18 02:31:56 2016  
Response via : Initial Calibration

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#6

Phenol

Concen: 4.62 ng/ul

RT: 6.88 min Scan# 730

Delta R.T. 0.01 min

Lab File: BM008413.D

Acq: 17 Dec 2016 15:58

Instrument :

BNA\_M

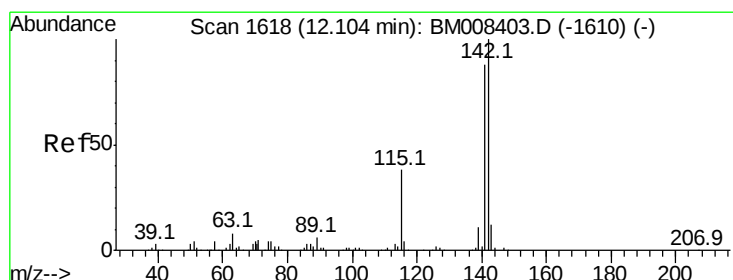
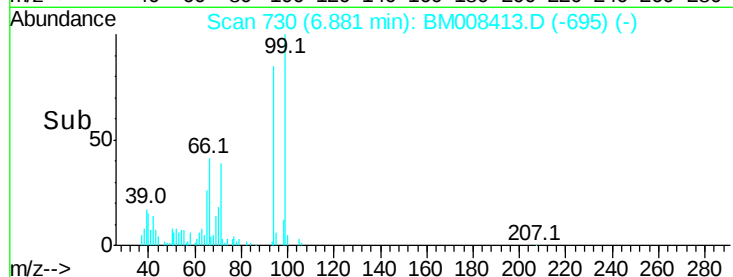
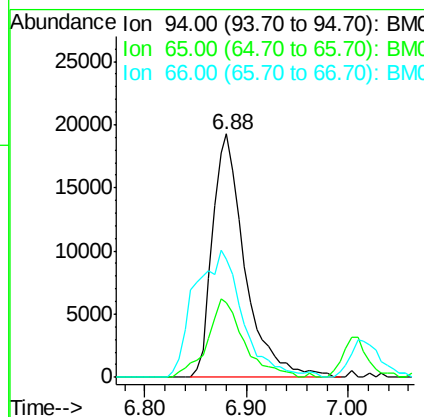
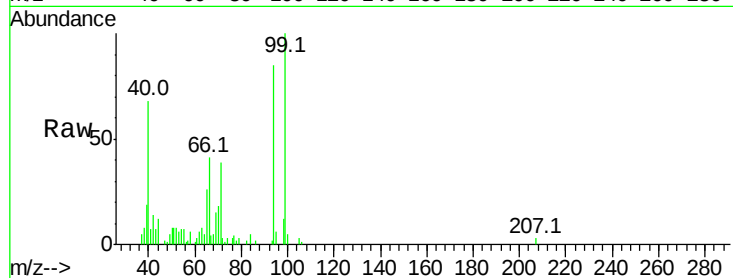
ClientSampled :

DA7H4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 94    | Resp: | 42782 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 30.9  | 22.6  | 34.0  |
| 66        | 48.5  | 35.8  | 53.8  |

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#34

2-Methylnaphthalene

Concen: 1.42 ng/ul

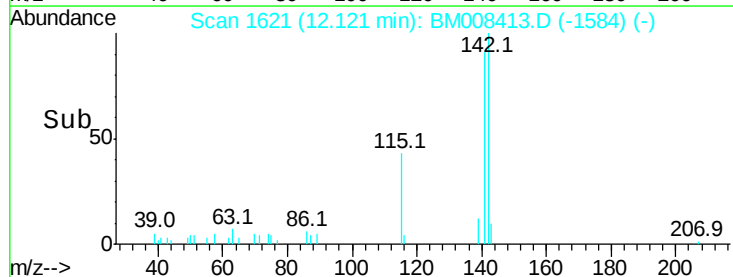
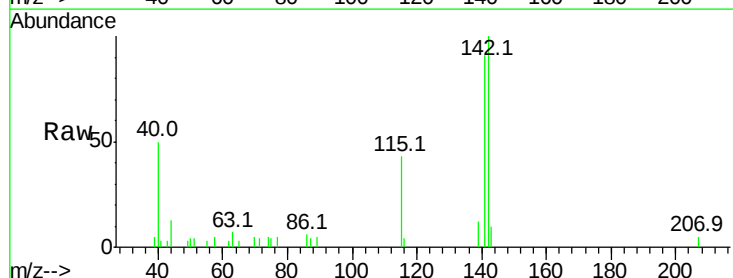
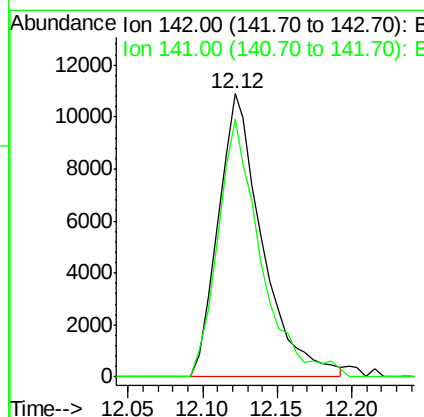
RT: 12.12 min Scan# 1621

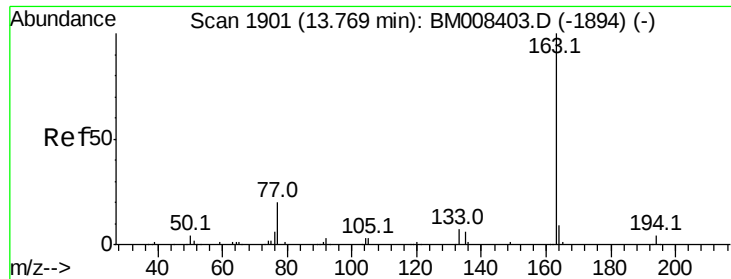
Delta R.T. 0.02 min

Lab File: BM008413.D

Acq: 17 Dec 2016 15:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 22471 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 91.0  | 71.1  | 106.7 |





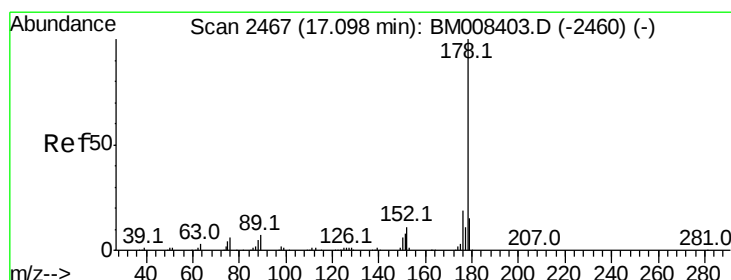
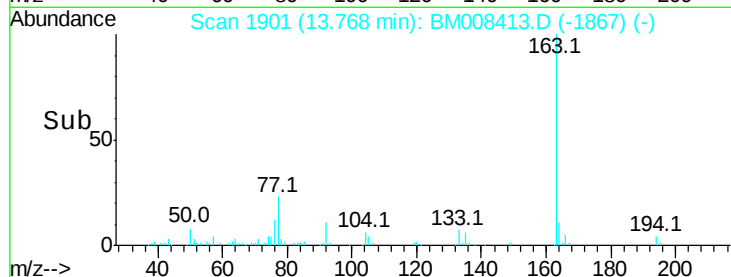
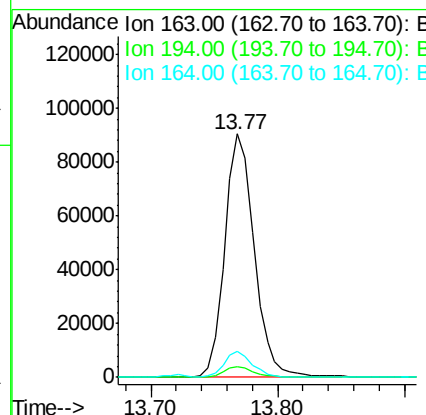
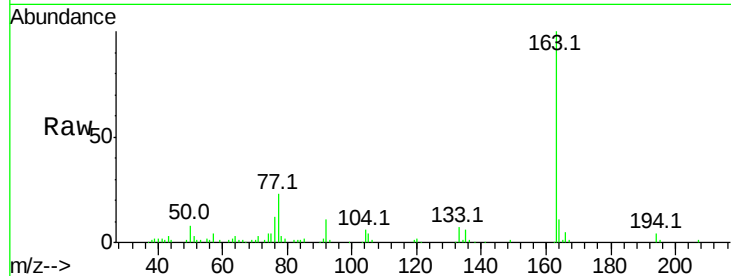
#44  
Dimethylphthalate  
Concen: 7.33 ng/ul  
RT: 13.77 min Scan# 1901  
Delta R.T. -0.00 min  
Lab File: BM008413.D  
Acq: 17 Dec 2016 15:58

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| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 146477 |       |       |
| 194     | 4.5   | 3.5    | 5.3   |       |
| 164     | 10.6  | 7.8    | 11.8  |       |

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#69  
Phenanthrene  
Concen: 1.10 ng/ul  
RT: 17.10 min Scan# 2467  
Delta R.T. -0.00 min  
Lab File: BM008413.D  
Acq: 17 Dec 2016 15:58

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 178     | 100   | 36109 |       |       |
| 179     | 15.6  | 12.0  | 18.0  |       |
| 176     | 21.6  | 14.6  | 21.8  |       |

