

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061818\  
 Data File : BM015695.D  
 Acq On : 18 Jun 2018 12:34  
 Operator : SJ/JU  
 Sample : J3506-05DL 5X  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0803DL

Manual Integrations  
 APPROVED

Sohil  
 6/19/2018 6:02:27 PM

Quant Time: Jun 19 04:30:27 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060818MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 19 04:16:21 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.34  | 152  | 95486m   | 20.00  | ng/ul | 0.01     |
| 18) Naphthalene-d8             | 11.16 | 136  | 366563   | 20.00  | ng/ul | 0.00     |
| 35) Acenaphthene-d10           | 14.94 | 164  | 211507   | 20.00  | ng/ul | 0.00     |
| 61) Phenanthrene-d10           | 17.67 | 188  | 503363   | 20.00  | ng/ul | 0.00     |
| 77) Chrysene-d12               | 21.77 | 240  | 578251   | 20.00  | ng/ul | 0.00     |
| 85) Perylene-d12               | 24.18 | 264  | 611913   | 20.00  | ng/ul | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 3) 1,4-Dioxane-d8              | 3.54  | 96   | 1707     | 0.87   | ng/uL | 0.00     |
| 5) Phenol-d5                   | 7.49  | 99   | 7534     | 0.87   | ng/ul | 0.02     |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.65  | 67   | 29960    | 5.72   | ng/ul | 0.00     |
| 9) 2-Chlorophenol-d4           | 7.86  | 132  | 30372    | 4.58   | ng/ul | 0.00     |
| 13) 4-Methylphenol-d8          | 9.05  | 113  | 17407    | 2.33   | ng/ul | 0.01     |
| 19) Nitrobenzene-d5            | 9.52  | 128  | 17449    | 7.08   | ng/ul | 0.00     |
| 22) 2-Nitrophenol-d4           | 10.24 | 143  | 18458    | 6.96   | ng/ul | 0.00     |
| 26) 2,4-Dichlorophenol-d3      | 10.78 | 165  | 32981    | 6.01   | ng/ul | 0.00     |
| 29) 4-Chloroaniline-d4         | 0.00  | 131  | 0        | 0.00   | ng/ul |          |
| 43) Dimethylphthalate-d6       | 14.34 | 166  | 132819   | 7.59   | ng/ul | 0.00     |
| 46) Acenaphthylene-d8          | 14.64 | 160  | 141169   | 7.47   | ng/ul | 0.00     |
| 51) 4-Nitrophenol-d4           | 15.18 | 143  | 843      | 0.25   | ng/ul | 0.04     |
| 57) Fluorene-d10               | 15.93 | 176  | 114196   | 7.71   | ng/ul | 0.00     |
| 62) 4,6-Dinitro-2-methylphenol | 16.06 | 200  | 12150    | 4.01   | ng/ul | 0.00     |
| 70) Anthracene-d10             | 17.77 | 188  | 176088   | 7.67   | ng/ul | 0.00     |
| 78) Pyrene-d10                 | 20.02 | 212  | 202479   | 8.14   | ng/ul | 0.00     |
| 89) Benzo(a)pyrene-d12         | 24.03 | 264  | 229996   | 7.50   | ng/ul | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 20) Nitrobenzene               | 9.56  | 77   | 185993   | 27.937 | ng/ul | 88       |
| 36) 1,2,4,5-Tetrachlorobenzene | 13.16 | 216  | 66733    | 10.932 | ng/ul | 98       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.76 | 216  | 194524   | 32.043 | ng/uL | 99       |

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

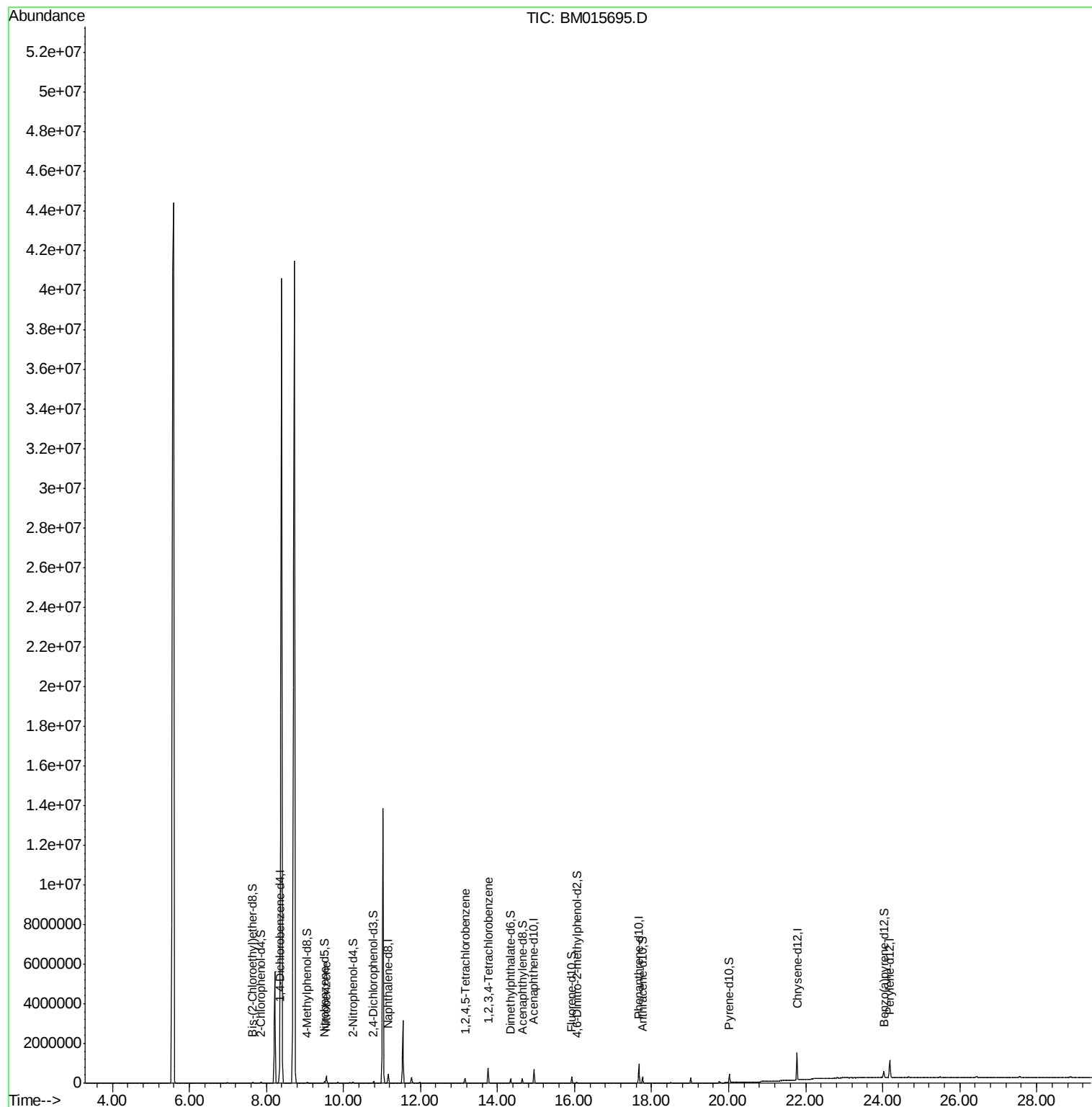
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061818\  
Data File : BM015695.D  
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ALS Vial : 4 Sample Multiplier: 1

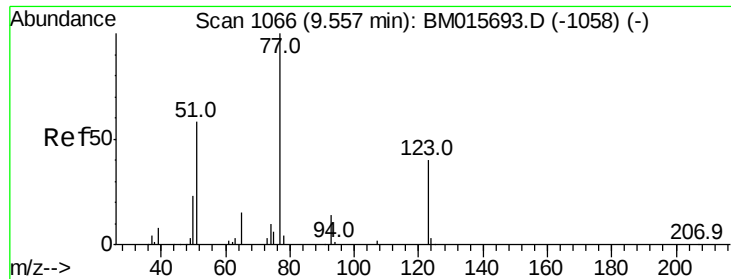
Instrument :  
BNA\_M  
ClientSampleId :  
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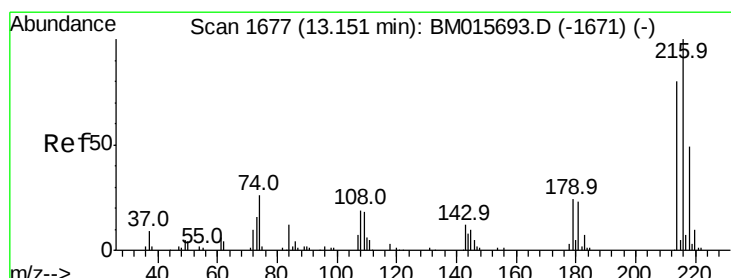
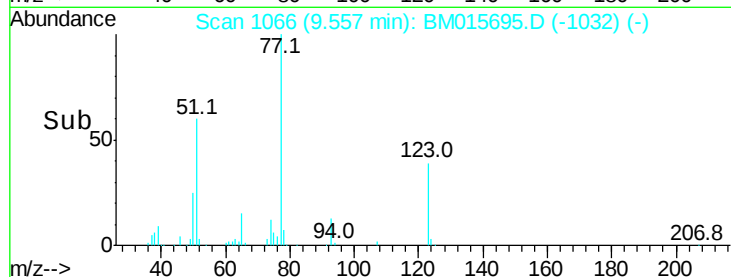
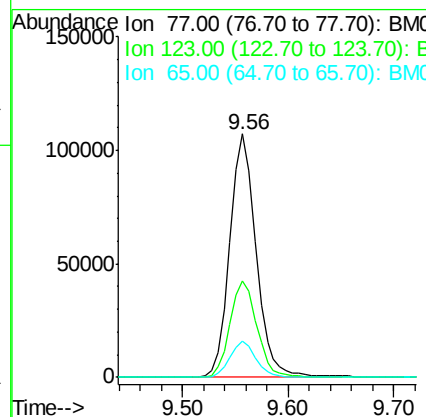
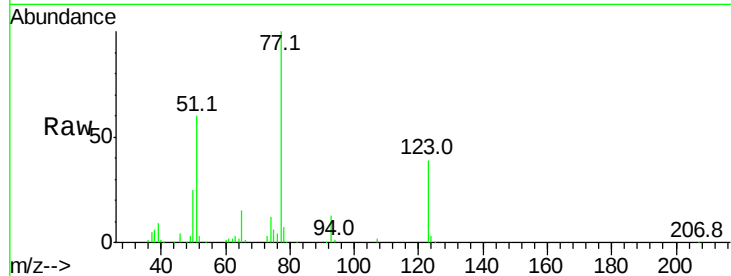
#20  
Nitrobenzene  
Concen: 27.937 ng/ul  
RT: 9.56 min Scan# 1066  
Delta R.T. -0.00 min  
Lab File: BM015695.D  
Acq: 18 Jun 2018 12:34

Instrument :  
BNA\_M  
ClientSampled :  
C0803DL

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 123     | 39.5  | 39.0 | 58.4  |       |
| 65      | 14.6  | 10.4 | 15.6  |       |

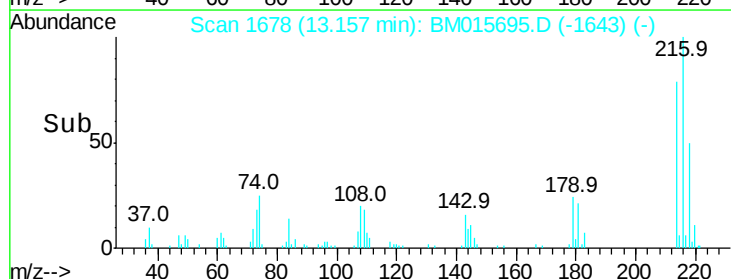
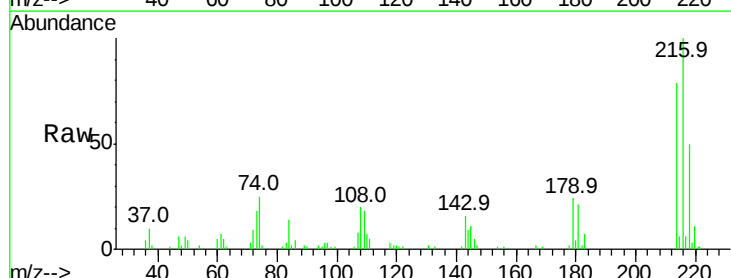
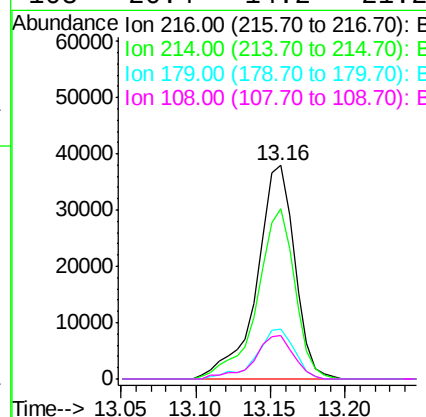
Manual Integrations  
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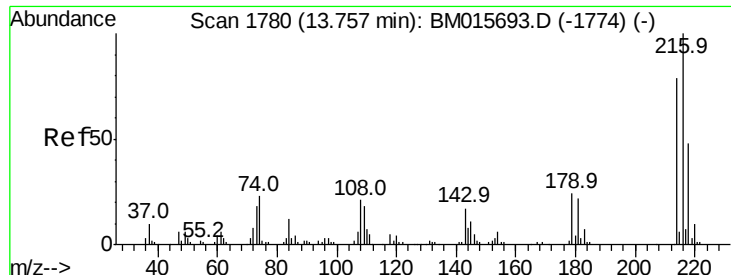
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#36  
1,2,4,5-Tetrachlorobenzene  
Concen: 10.932 ng/ul  
RT: 13.16 min Scan# 1678  
Delta R.T. 0.01 min  
Lab File: BM015695.D  
Acq: 18 Jun 2018 12:34

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 216     | 100   |      |       |       |
| 214     | 79.5  | 62.5 | 93.7  |       |
| 179     | 23.6  | 18.2 | 27.2  |       |
| 108     | 20.4  | 14.2 | 21.2  |       |





#72

1,2,3,4-Tetrachlorobenzene

Concen: 32.043 ng/uL

RT: 13.76 min Scan# 1780

Delta R.T. -0.00 min

Lab File: BM015695.D

Acq: 18 Jun 2018 12:34

Instrument :

BNA\_M

ClientSampleId :

C0803DL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 216   | Resp: | 194524 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 77.8  | 62.5  | 93.7   |
| 218       | 47.3  | 38.4  | 57.6   |

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