

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092217\  
 Data File : BM011695.D  
 Acq On : 22 Sep 2017 16:45  
 Operator : SJ/JU  
 Sample : I5283-21RE  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Sep 22 23:55:09 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Sep 22 23:48:55 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.96  | 152  | 333084   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.76 | 136  | 1506305  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.59 | 164  | 805266   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.33 | 188  | 1642284  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.50 | 240  | 1117343  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.87 | 264  | 1095014  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.39  | 96  | 5272   | 0.71 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.11  | 99  | 88965  | 2.78 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.29  | 67  | 67349  | 3.12 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.49  | 132 | 73214  | 3.04 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.66  | 113 | 68852  | 2.76 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.12  | 128 | 34004  | 2.97 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.85  | 143 | 34081  | 2.87 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.38 | 165 | 62599  | 2.62 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.90 | 131 | 74972  | 2.84 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.99 | 166 | 209298 | 3.07 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.29 | 160 | 242898 | 2.95 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.79 | 143 | 6618   | 0.52 | ng/ul | 0.02 |
| 58) Fluorene-d10               | 15.58 | 176 | 174842 | 2.97 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.70 | 200 | 12585  | 1.32 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.43 | 188 | 243104 | 3.01 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.72 | 212 | 233574 | 4.46 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.72 | 264 | 166979 | 3.20 | ng/ul | 0.00 |

## Target Compounds

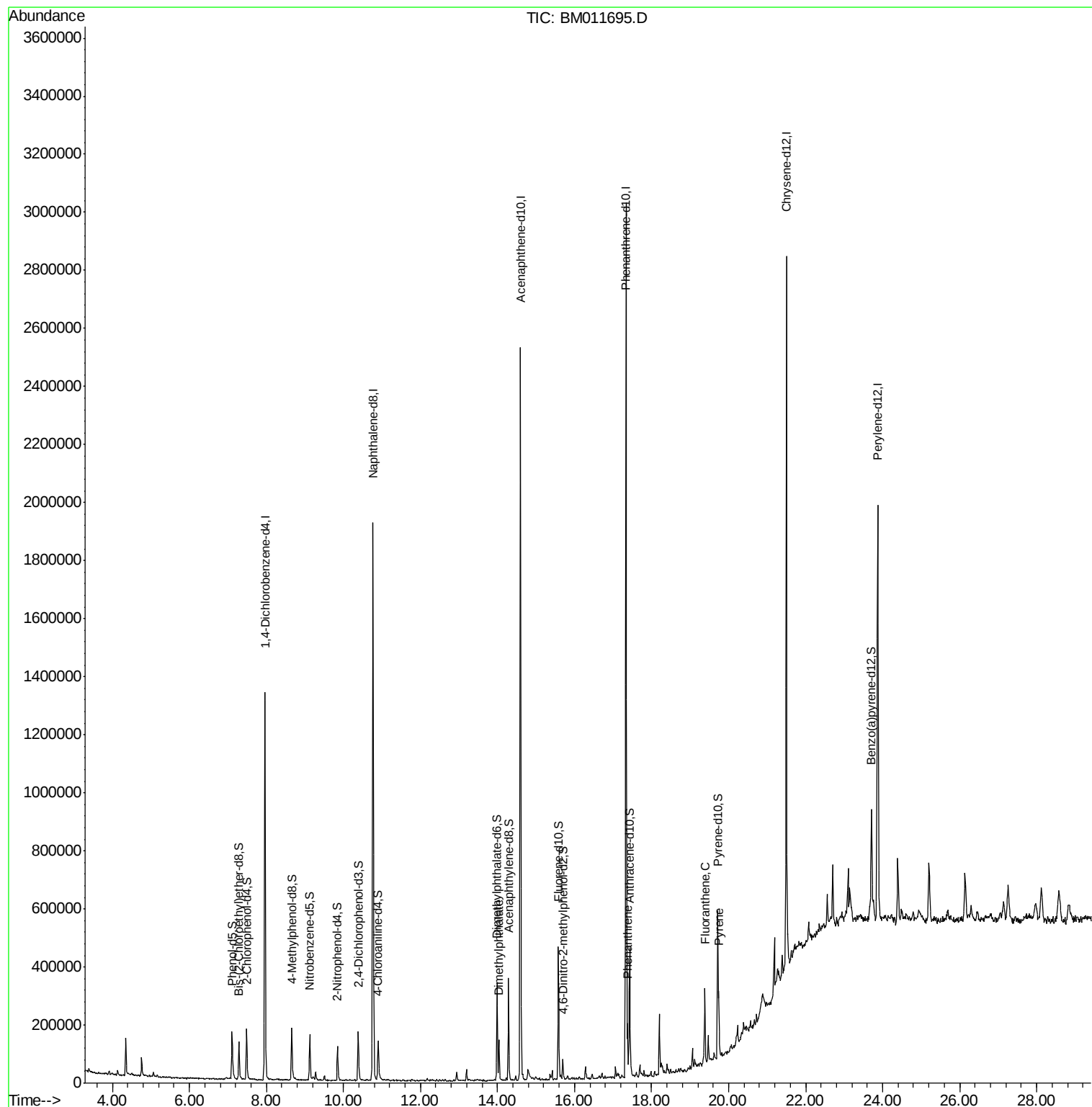
|                       |       |     |        | Ovalue |           |
|-----------------------|-------|-----|--------|--------|-----------|
| 45) Dimethylphthalate | 14.04 | 163 | 83076  | 1.275  | ng/ul 98  |
| 70) Phenanthrene      | 17.37 | 178 | 96244  | 1.051  | ng/ul 98  |
| 77) Fluoranthene      | 19.38 | 202 | 143356 | 1.523  | ng/ul# 90 |
| 80) Pyrene            | 19.74 | 202 | 123209 | 1.890  | ng/ul# 89 |

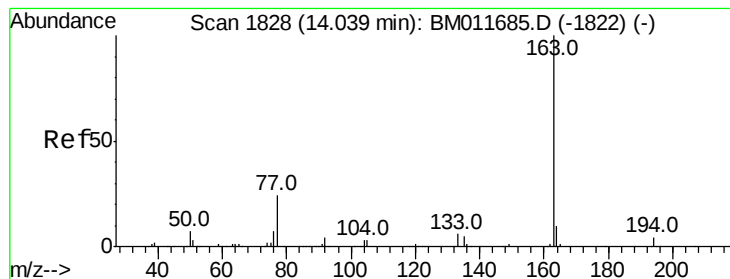
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Fri Sep 22 23:48:55 2017  
Response via : Initial Calibration





#45

Dimethylphthalate

Concen: 1.275 ng/ul

RT: 14.04 min Scan# 1828

Delta R.T. 0.00 min

Lab File: BM011695.D

Acq: 22 Sep 2017 16:45

Instrument :

BNA\_M

ClientSampleId :

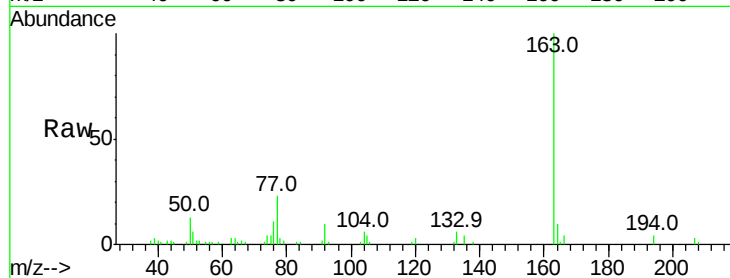
Tot Ion:163 Resp: 83076

Ion Ratio Lower Upper

163 100

194 4.2 4.0 6.0

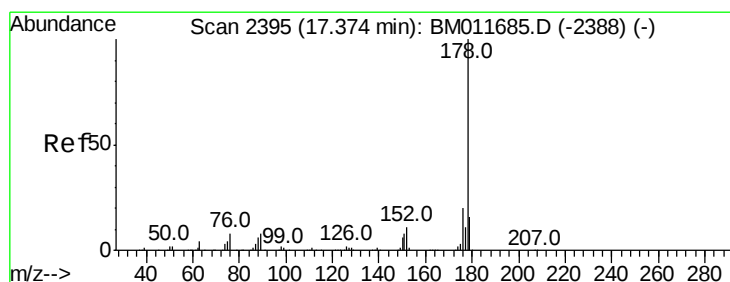
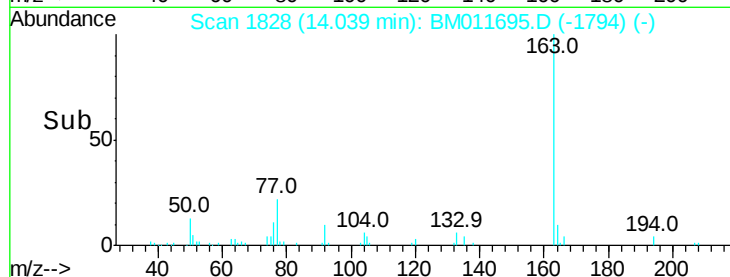
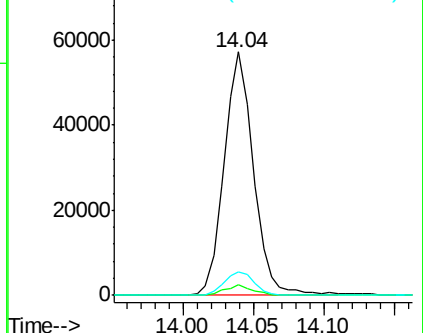
164 9.6 8.4 12.6



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



#70

Phenanthrene

Concen: 1.051 ng/ul

RT: 17.37 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BM011695.D

Acq: 22 Sep 2017 16:45

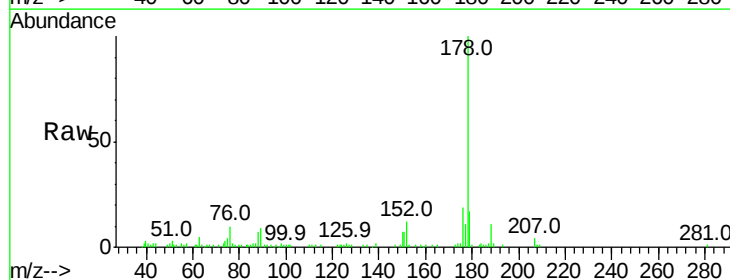
Tgt Ion:178 Resp: 96244

Ion Ratio Lower Upper

178 100

179 17.2 12.3 18.5

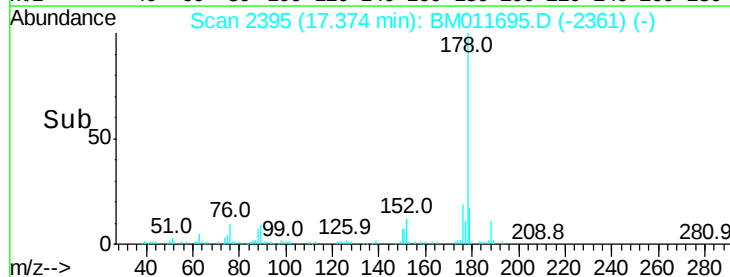
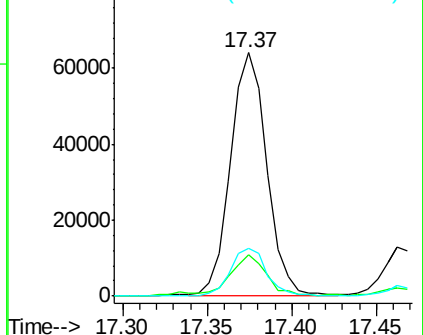
176 19.4 15.4 23.0

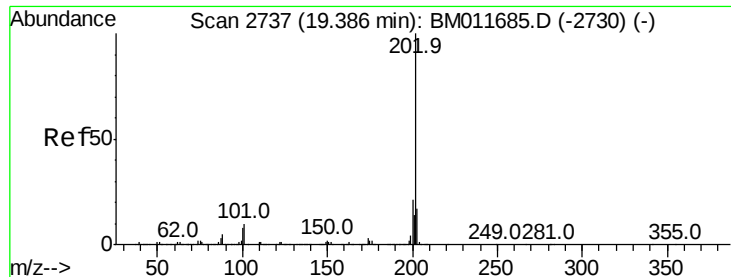


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

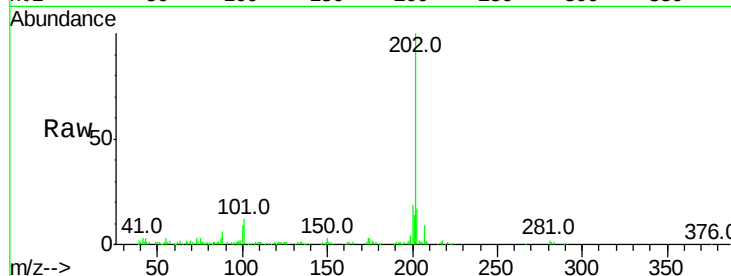




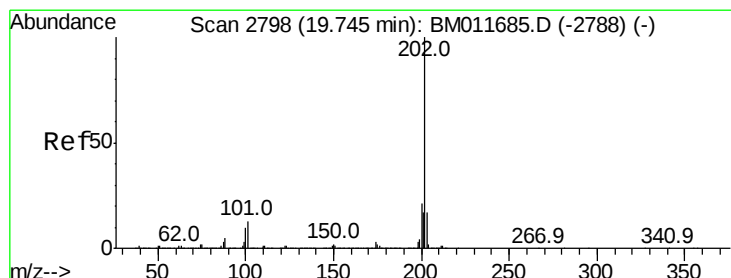
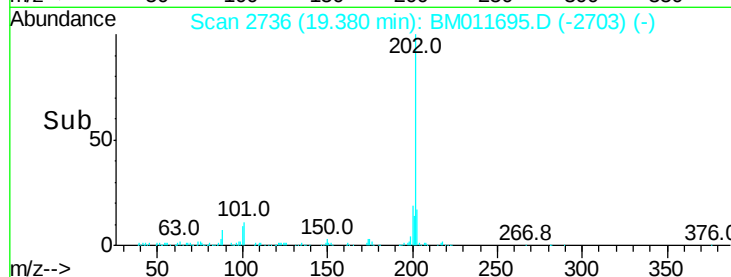
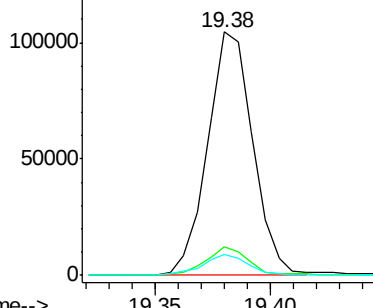
#77  
 Fluoranthene  
 Concen: 1.523 ng/ul  
 RT: 19.38 min Scan# 2736  
 Delta R.T. -0.01 min  
 Lab File: BM011695.D  
 Acq: 22 Sep 2017 16:45

Instrument :  
 BNA\_M  
 ClientSampleId :

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 143356 |       |       |
| 101     | 11.8  |        | 6.1   | 9.1#  |
| 100     | 8.7   |        | 4.6   | 7.0#  |

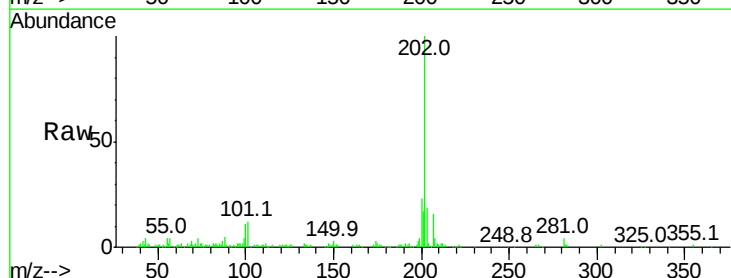


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 100.00 (99.70 to 100.70): B



#80  
 Pyrene  
 Concen: 1.890 ng/ul  
 RT: 19.74 min Scan# 2798  
 Delta R.T. 0.00 min  
 Lab File: BM011695.D  
 Acq: 22 Sep 2017 16:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 123209 |       |       |
| 101     | 12.1  |        | 6.9   | 10.3# |
| 100     | 11.0  |        | 5.6   | 8.4#  |



Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 100.00 (99.70 to 100.70): B

