

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081916\  
 Data File : BM007210.D  
 Acq On : 18 Aug 2016 18:51  
 Operator : UM/SJ  
 Sample : H4445-03  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 E5N22

Quant Time: Aug 19 04:48:56 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM081116.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Aug 19 04:48:28 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.80  | 152  | 257126   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.59 | 136  | 1025877  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.43 | 164  | 589456   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.17 | 188  | 1428205  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.36 | 240  | 1884482  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.63 | 264  | 1925278  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.32  | 96  | 22474   | 3.82  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.97  | 99  | 361207  | 17.34 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.14  | 67  | 244976  | 20.52 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.33  | 132 | 325350  | 19.61 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.50  | 113 | 228097  | 13.31 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.96  | 128 | 160502  | 21.54 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.67  | 143 | 174184  | 21.88 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.21 | 165 | 326704  | 19.59 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.72 | 131 | 378147  | 19.06 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.84 | 166 | 1054420 | 21.65 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.13 | 160 | 1295609 | 22.15 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.63 | 143 | 113745  | 13.03 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.43 | 176 | 935904  | 21.98 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.54 | 200 | 96798   | 12.26 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.27 | 188 | 1491573 | 22.54 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.57 | 212 | 1914671 | 24.07 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.49 | 264 | 2145188 | 24.36 | ng/ul | 0.00 |

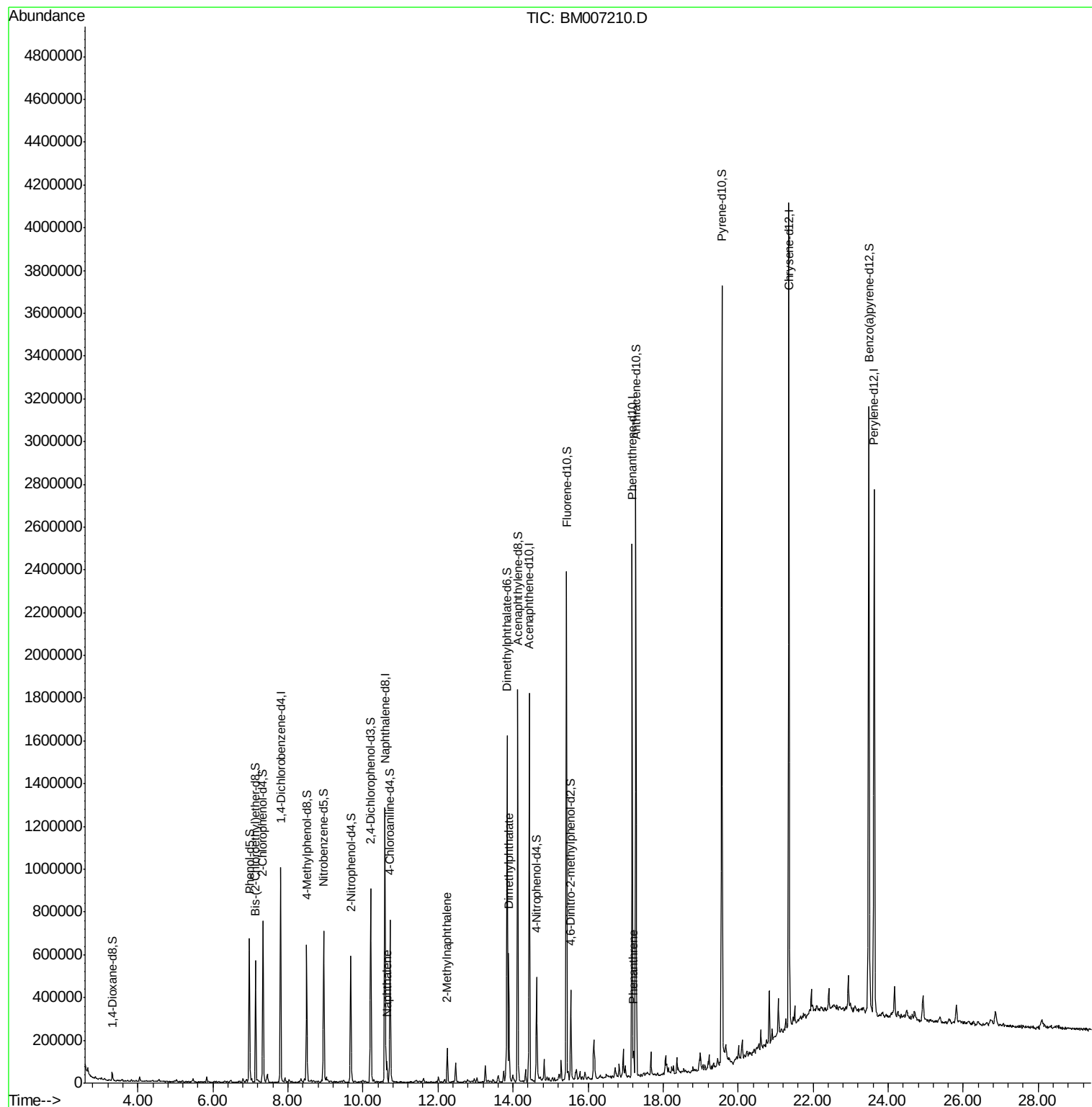
| Target Compounds        |       |     |        |            | Qvalue |
|-------------------------|-------|-----|--------|------------|--------|
| 28) Naphthalene         | 10.64 | 128 | 74981  | 1.48 ng/ul | 98     |
| 34) 2-Methylnaphthalene | 12.25 | 142 | 74618  | 1.90 ng/ul | 100    |
| 44) Dimethylphthalate   | 13.89 | 163 | 367845 | 7.56 ng/ul | 99     |
| 69) Phenanthrene        | 17.22 | 178 | 78764  | 1.03 ng/ul | 96     |

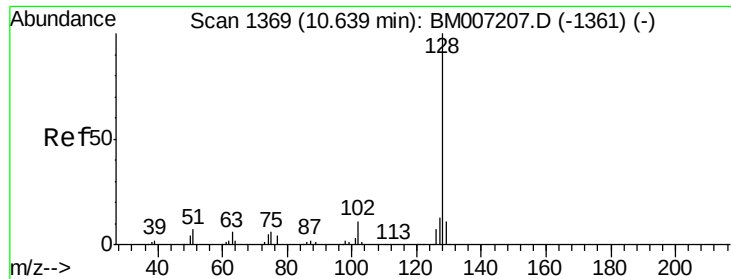
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081916\  
Data File : BM007210.D  
Acq On : 18 Aug 2016 18:51  
Operator : UM/SJ  
Sample : H4445-03  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E5N22

Quant Time: Aug 19 04:48:56 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM081116.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Aug 19 04:48:28 2016  
Response via : Initial Calibration





#28

Naphthalene

Concen: 1.48 ng/ul

RT: 10.64 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BM007210.D

Acq: 18 Aug 2016 18:51

Instrument :

BNA\_M

ClientSampleId :

E5N22

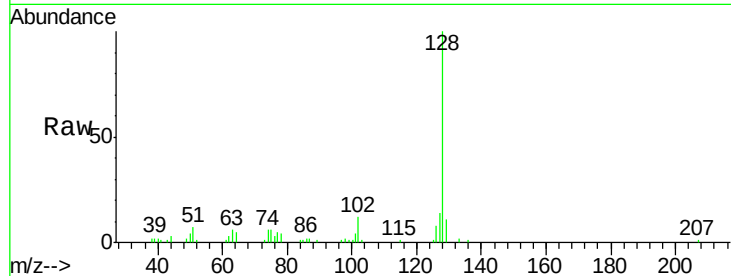
Tgt Ion:128 Resp: 74981

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

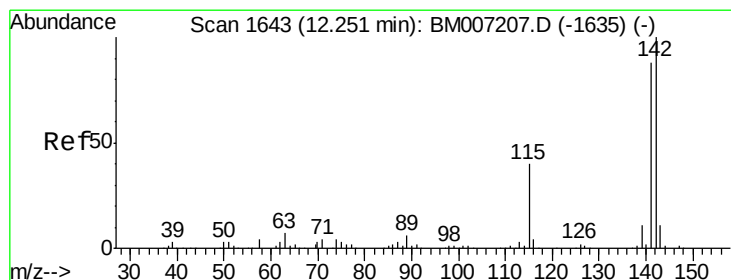
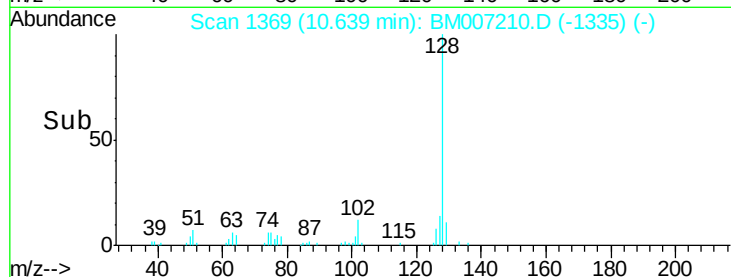
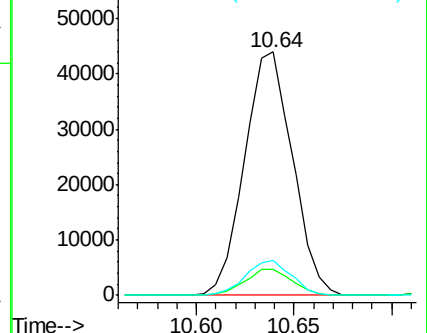
127 14.3 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 1.90 ng/ul

RT: 12.25 min Scan# 1643

Delta R.T. 0.00 min

Lab File: BM007210.D

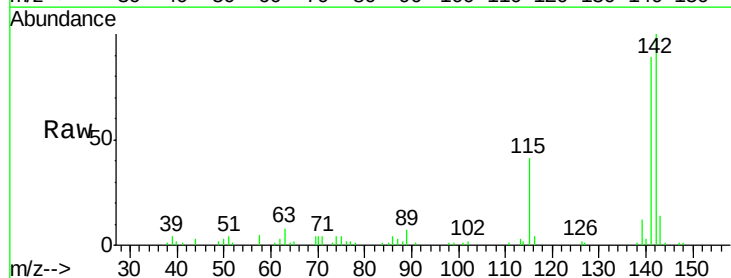
Acq: 18 Aug 2016 18:51

Tgt Ion:142 Resp: 74618

Ion Ratio Lower Upper

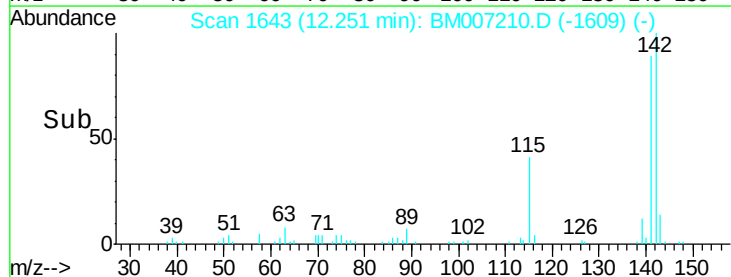
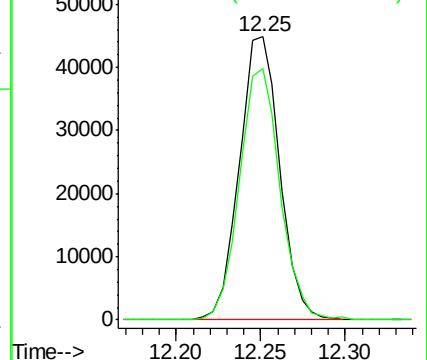
142 100

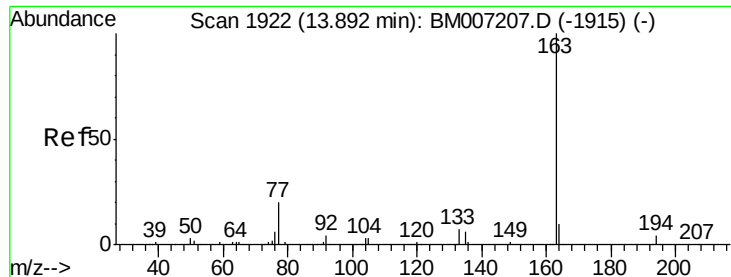
141 88.6 71.3 106.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

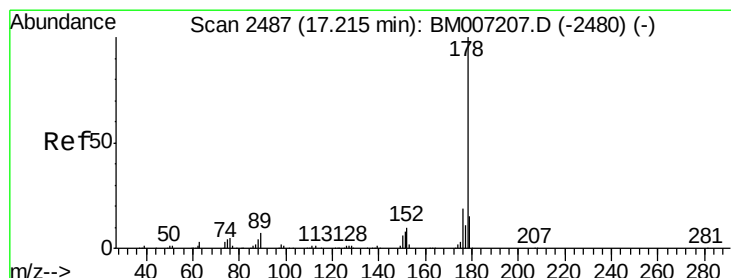
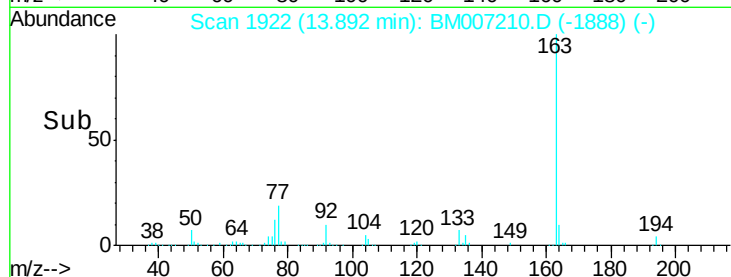
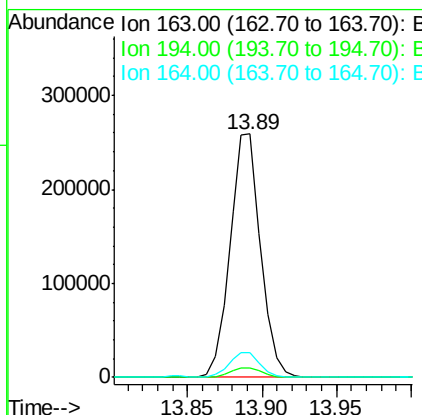
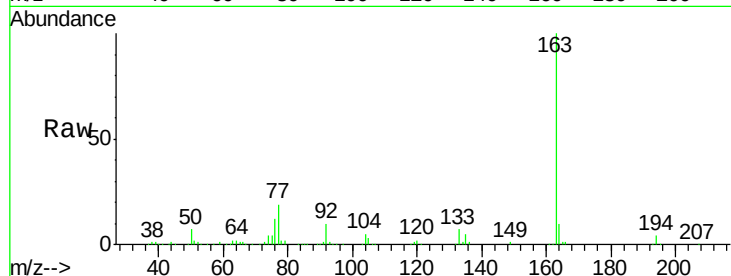




#44  
Dimethylphthalate  
Concen: 7.56 ng/ul  
RT: 13.89 min Scan# 1922  
Delta R.T. 0.00 min  
Lab File: BM007210.D  
Acq: 18 Aug 2016 18:51

Instrument :  
BNA\_M  
ClientSampleId :  
E5N22

Tgt Ion:163 Resp: 367845  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.4 5.2  
164 10.3 7.8 11.8



#69  
Phenanthrene  
Concen: 1.03 ng/ul  
RT: 17.22 min Scan# 2487  
Delta R.T. 0.00 min  
Lab File: BM007210.D  
Acq: 18 Aug 2016 18:51

Tgt Ion:178 Resp: 78764  
Ion Ratio Lower Upper  
178 100  
179 17.0 12.2 18.2  
176 20.6 15.1 22.7

