

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092618\  
 Data File : BM016904.D  
 Acq On : 26 Sep 2018 18:01  
 Operator : MJ/SJ  
 Sample : J5040-10  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Sep 27 02:43:20 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Sep 27 02:42:56 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 266418   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.49 | 136  | 1109763  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.36 | 164  | 586938   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.10 | 188  | 1316772  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.29 | 240  | 1455666  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.53 | 264  | 1585550  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.27  | 96  | 21434   | 3.44  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.89  | 99  | 479425  | 21.34 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.06  | 67  | 294696  | 21.18 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.25  | 132 | 413648  | 22.56 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.42  | 113 | 371447  | 21.36 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.87  | 128 | 196947  | 27.01 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.59  | 143 | 202142  | 30.49 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.12 | 165 | 377834  | 22.43 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.63 | 131 | 498399  | 24.51 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.77 | 166 | 1105991 | 23.47 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.05 | 160 | 1435408 | 23.58 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.56 | 143 | 134828  | 17.43 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.35 | 176 | 998772  | 24.28 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.47 | 200 | 84947   | 15.71 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.20 | 188 | 1533234 | 24.13 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.50 | 212 | 1760403 | 24.92 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.39 | 264 | 2061881 | 24.93 | ng/ul | 0.00 |

## Target Compounds

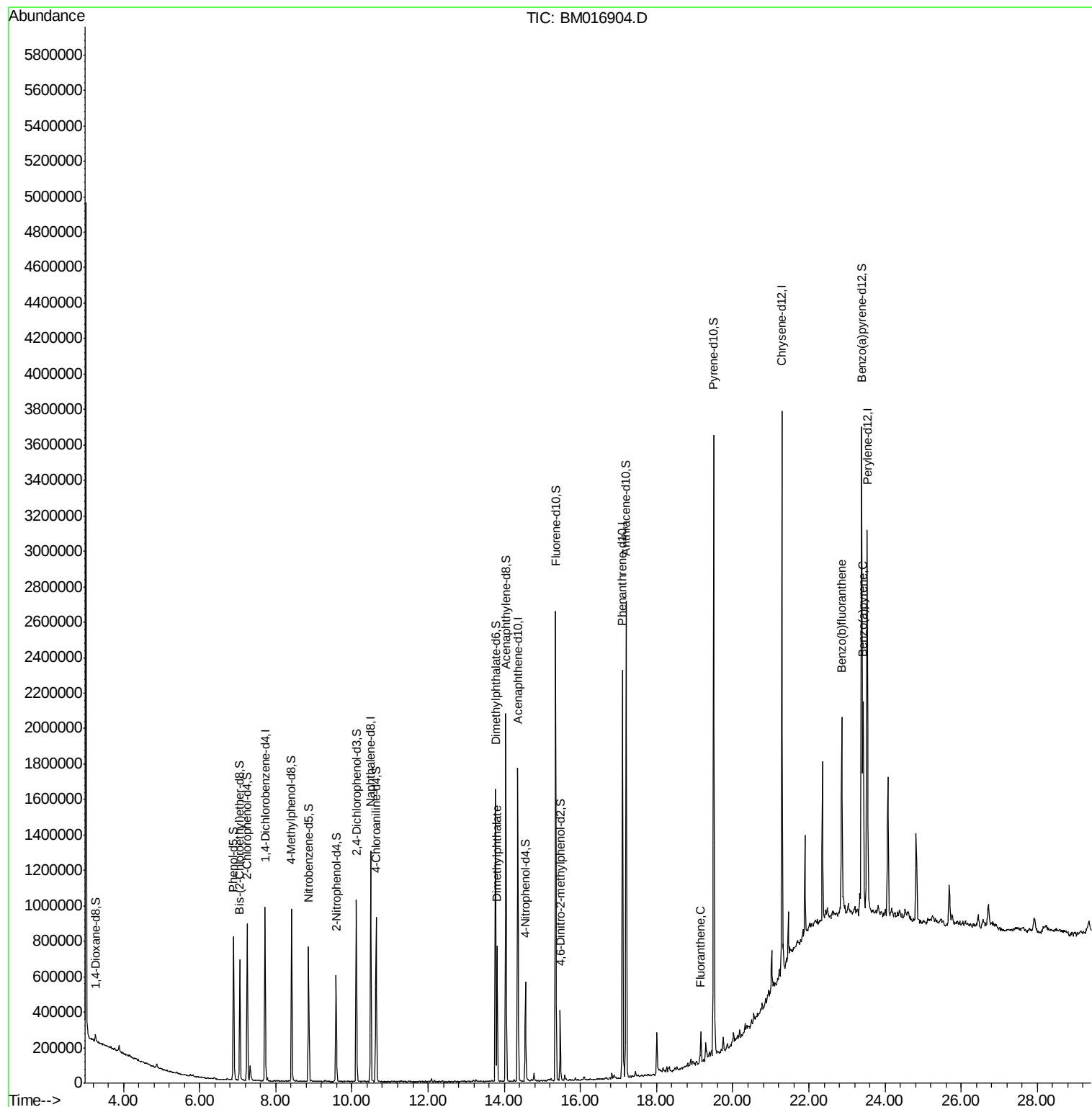
|                          |       |     |        | Ovalue |           |
|--------------------------|-------|-----|--------|--------|-----------|
| 45) Dimethylphthalate    | 13.82 | 163 | 489700 | 10.632 | ng/ul 98  |
| 77) Fluoranthene         | 19.16 | 202 | 94909  | 1.132  | ng/ul# 89 |
| 88) Benzo(b)fluoranthene | 22.86 | 252 | 116178 | 1.224  | ng/ul# 79 |
| 91) Benzo(a)pyrene       | 23.43 | 252 | 102559 | 1.134  | ng/ul# 77 |

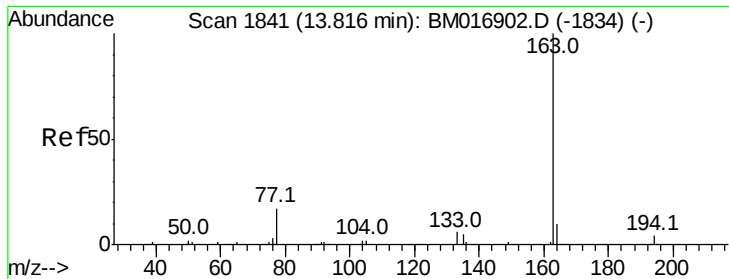
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Sep 27 02:42:56 2018  
Response via : Initial Calibration





#45

Dimethylphthalate

Concen: 10.632 ng/ul

RT: 13.82 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BM016904.D

Acq: 26 Sep 2018 18:01

Instrument :

BNA\_M

ClientSampleId :

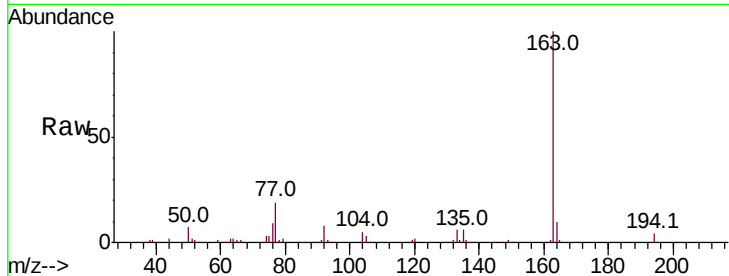
Tot Ion:163 Resp: 489700

Ion Ratio Lower Upper

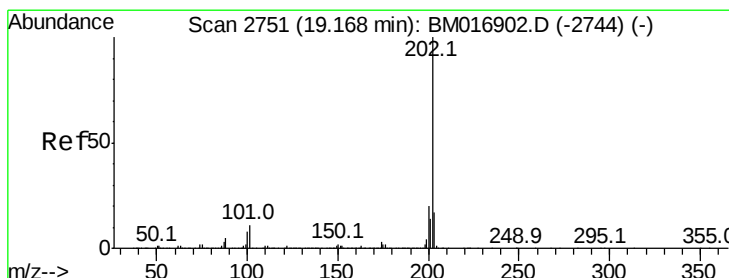
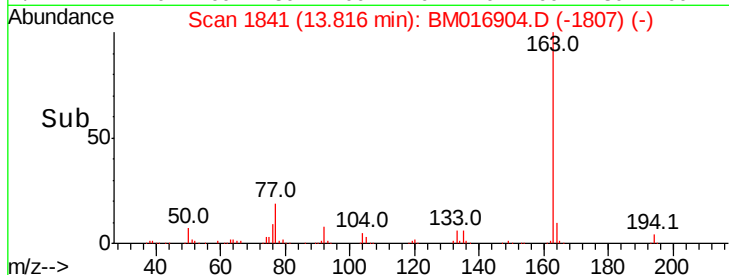
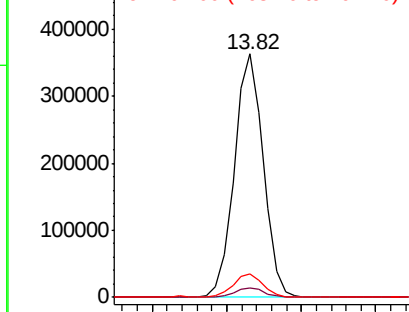
163 100

194 4.1 4.0 6.0

164 9.7 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



#77

Fluoranthene

Concen: 1.132 ng/ul

RT: 19.16 min Scan# 2750

Delta R.T. -0.01 min

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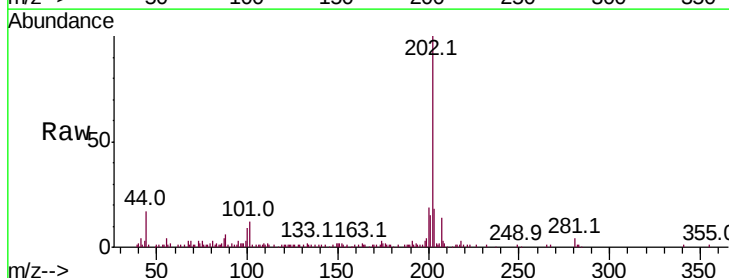
Tgt Ion:202 Resp: 94909

Ion Ratio Lower Upper

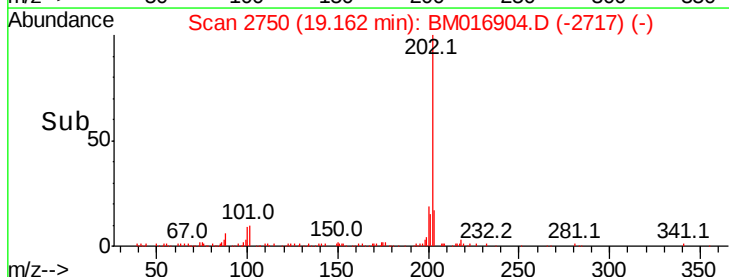
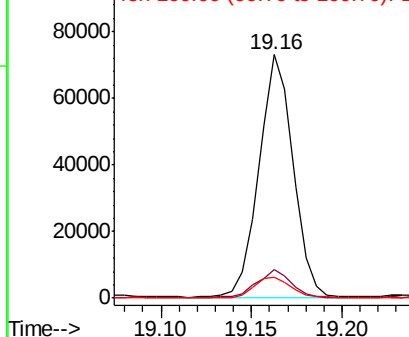
202 100

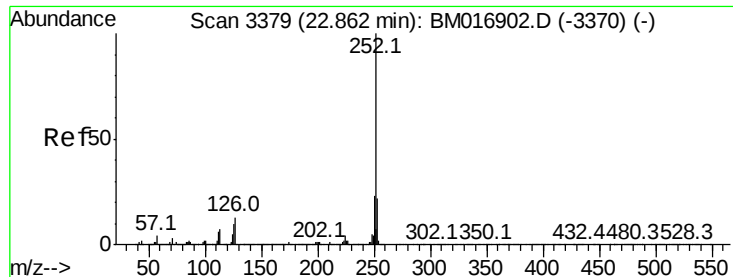
101 11.7 6.1 9.1#

100 8.8 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





#88

Benzo(b)fluoranthene

Concen: 1.224 ng/ul

RT: 22.86 min Scan# 3378

Delta R.T. -0.01 min

Lab File: BM016904.D

Acq: 26 Sep 2018 18:01

Instrument :

BNA\_M

ClientSampleId :

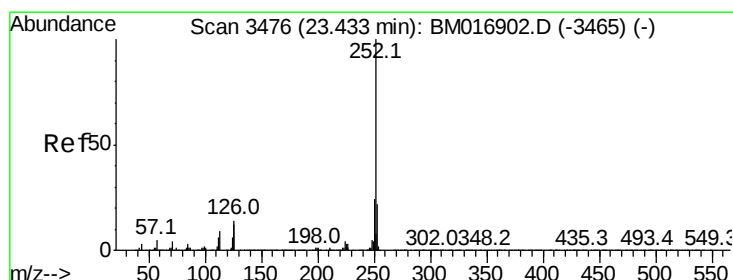
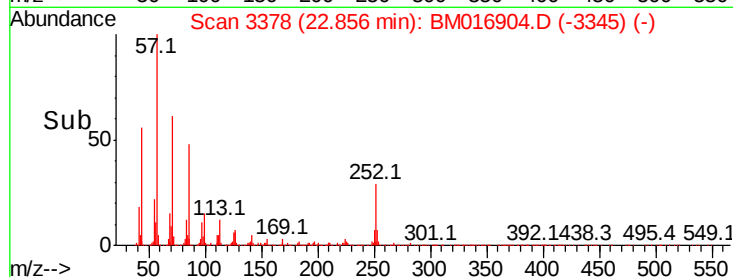
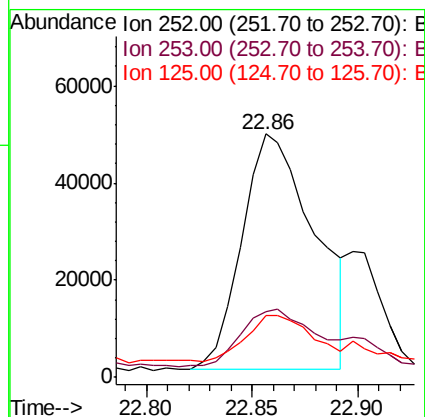
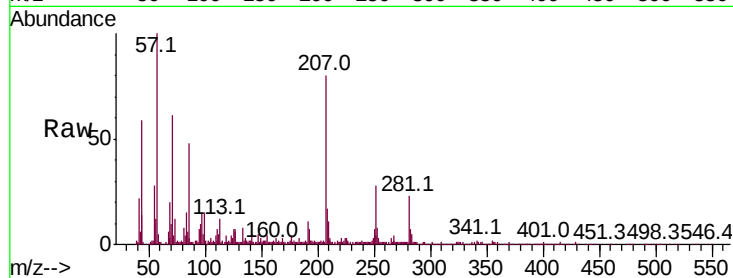
Tot Ion:252 Resp: 116178

Ion Ratio Lower Upper

252 100

253 26.8 17.4 26.0#

125 25.4 4.9 7.3#



#91

Benzo(a)pyrene

Concen: 1.134 ng/ul

RT: 23.43 min Scan# 3476

Delta R.T. 0.00 min

Lab File: BM016904.D

Acq: 26 Sep 2018 18:01

Tgt Ion:252 Resp: 102559

Ion Ratio Lower Upper

252 100

253 27.7 17.2 25.8#

125 25.7 5.8 8.6#

