

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM101318\  
 Data File : BM017156.D  
 Acq On : 13 Oct 2018 20:34  
 Operator : MJ/SJ  
 Sample : J5400-11  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0BE9

Quant Time: Oct 15 04:37:51 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100418MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 12 23:37:04 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 250840   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.46 | 136  | 1110781  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.33 | 164  | 574646   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.08 | 188  | 1165241  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.27 | 240  | 898362   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.49 | 264  | 892575   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |      |     |    |      |       |
|--------------------------------|------|-----|----|------|-------|
| 3) 1,4-Dioxane-d8              | 0.00 | 96  | 0d | 0.00 | ng/uL |
| 5) Phenol-d5                   | 0.00 | 99  | 0  | 0.00 | ng/ul |
| 7) Bis-(2-Chloroethyl)ether-d  | 0.00 | 67  | 0  | 0.00 | ng/ul |
| 9) 2-Chlorophenol-d4           | 0.00 | 132 | 0  | 0.00 | ng/ul |
| 13) 4-Methylphenol-d8          | 0.00 | 113 | 0  | 0.00 | ng/ul |
| 19) Nitrobenzene-d5            | 0.00 | 128 | 0  | 0.00 | ng/ul |
| 22) 2-Nitrophenol-d4           | 0.00 | 143 | 0  | 0.00 | ng/ul |
| 26) 2,4-Dichlorophenol-d3      | 0.00 | 165 | 0  | 0.00 | ng/ul |
| 29) 4-Chloroaniline-d4         | 0.00 | 131 | 0d | 0.00 | ng/ul |
| 44) Dimethylphthalate-d6       | 0.00 | 166 | 0  | 0.00 | ng/ul |
| 47) Acenaphthylene-d8          | 0.00 | 160 | 0  | 0.00 | ng/ul |
| 52) 4-Nitrophenol-d4           | 0.00 | 143 | 0d | 0.00 | ng/ul |
| 58) Fluorene-d10               | 0.00 | 176 | 0d | 0.00 | ng/ul |
| 63) 4,6-Dinitro-2-methylphenol | 0.00 | 200 | 0d | 0.00 | ng/ul |
| 71) Anthracene-d10             | 0.00 | 188 | 0d | 0.00 | ng/ul |
| 79) Pyrene-d10                 | 0.00 | 212 | 0d | 0.00 | ng/ul |
| 90) Benzo(a)pyrene-d12         | 0.00 | 264 | 0d | 0.00 | ng/ul |

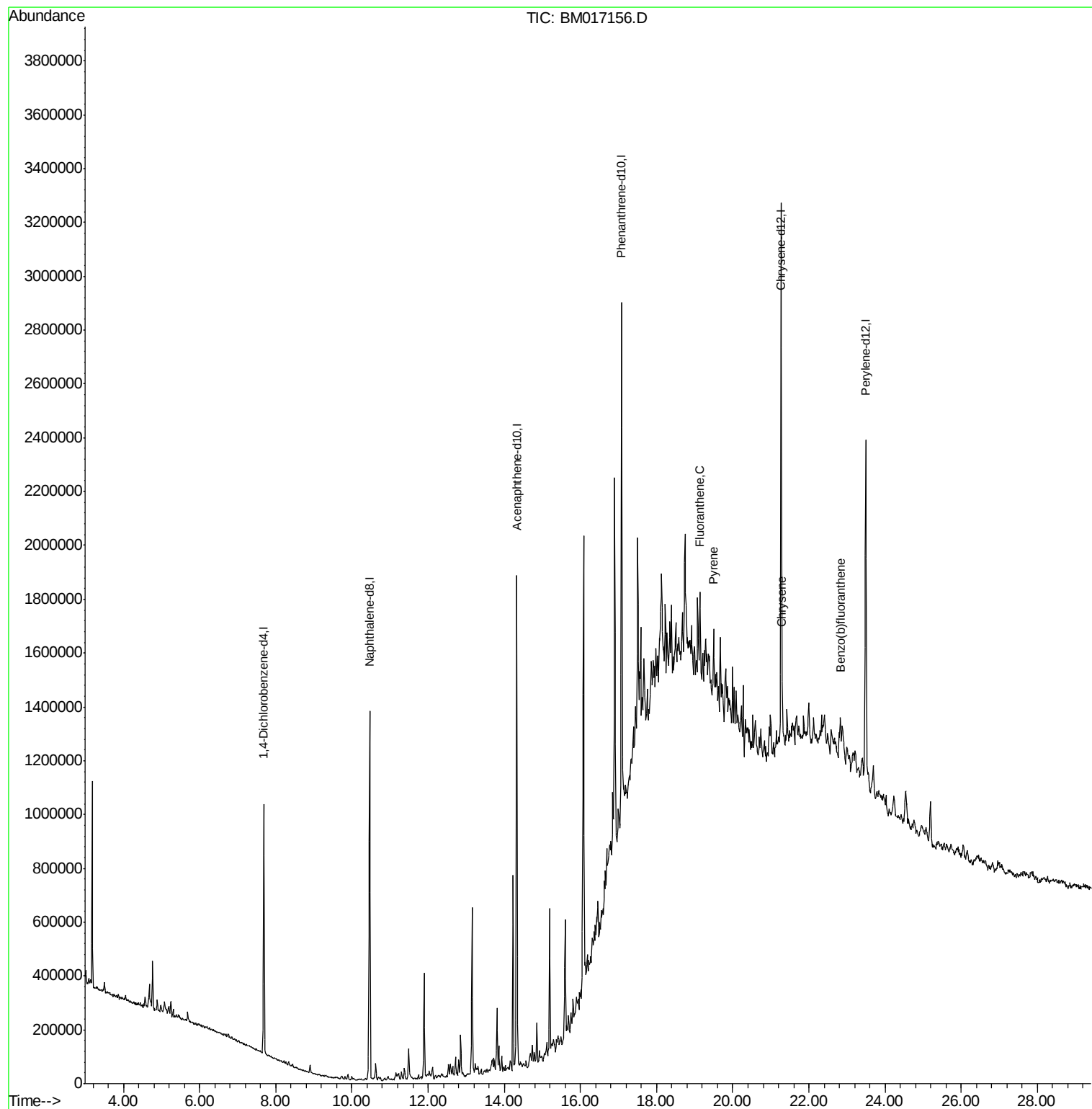
| Target Compounds         |       |     |        |              | Qvalue |
|--------------------------|-------|-----|--------|--------------|--------|
| 77) Fluoranthene         | 19.14 | 202 | 124776 | 1.649 ng/ul  | 98     |
| 80) Pyrene               | 19.50 | 202 | 82644  | 1.588 ng/ul  | 99     |
| 85) Chrysene             | 21.30 | 228 | 58641  | 1.125 ng/ul  | 97     |
| 88) Benzo(b)fluoranthene | 22.83 | 252 | 62826  | 1.182 ng/ul# | 63     |

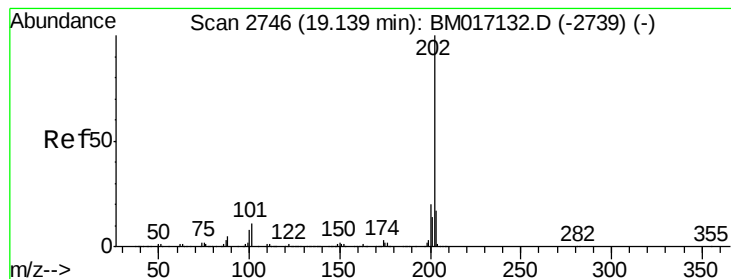
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100418MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 12 23:37:04 2018  
Response via : Initial Calibration





#77

Fluoranthene

Concen: 1.649 ng/ul

RT: 19.14 min Scan# 2746

Delta R.T. 0.00 min

Lab File: BM017156.D

Acq: 13 Oct 2018 20:34

Instrument :

BNA\_M

ClientSampleId :

C0BE9

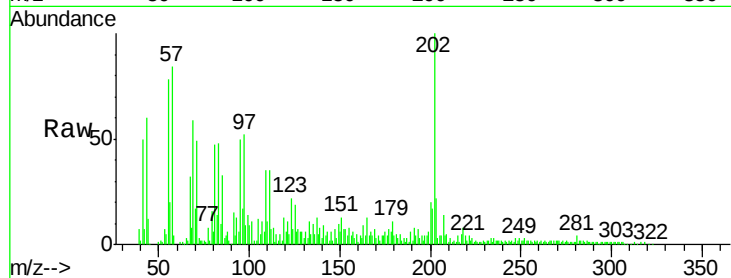
Tgt Ion:202 Resp: 124776

Ion Ratio Lower Upper

202 100

101 11.1 8.3 12.5

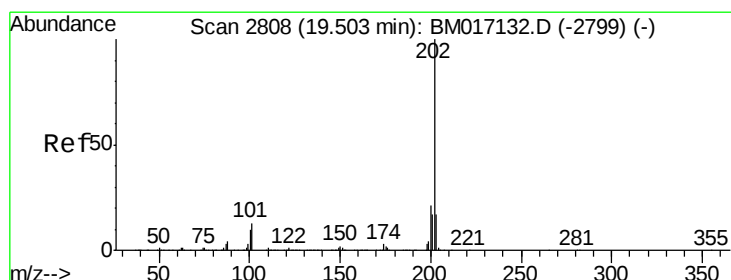
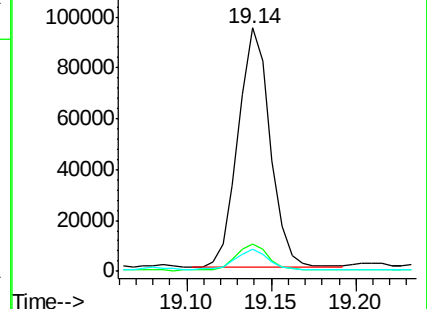
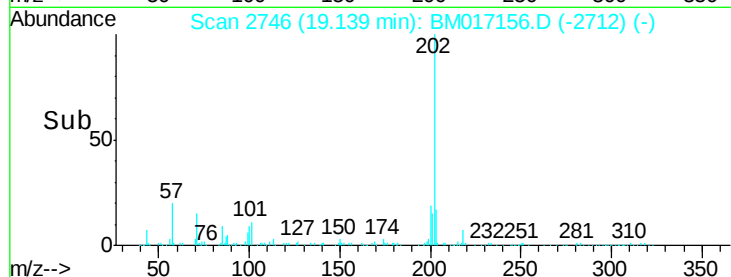
100 9.0 6.6 9.8



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: 1.588 ng/ul

RT: 19.50 min Scan# 2808

Delta R.T. 0.00 min

Lab File: BM017156.D

Acq: 13 Oct 2018 20:34

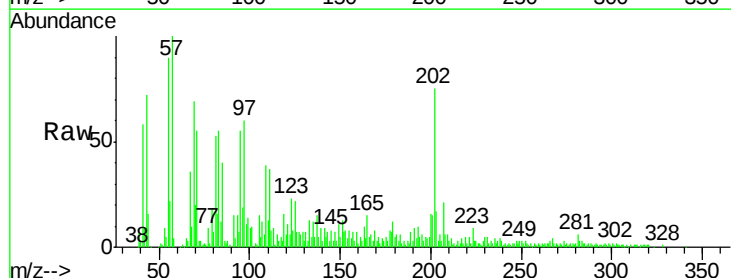
Tgt Ion:202 Resp: 82644

Ion Ratio Lower Upper

202 100

101 13.7 10.8 16.2

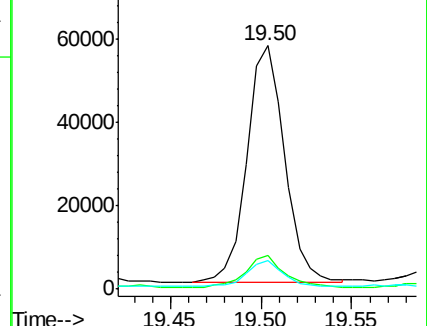
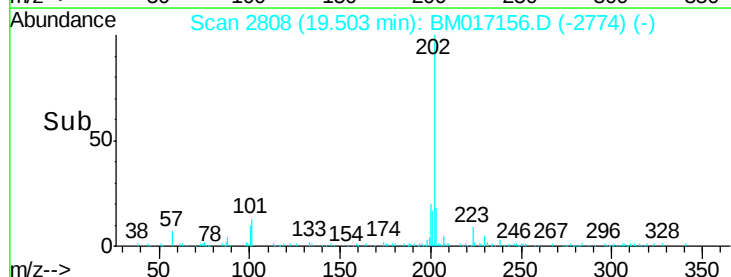
100 11.6 8.9 13.3

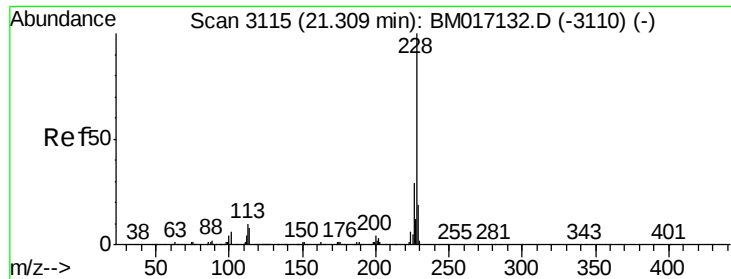


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

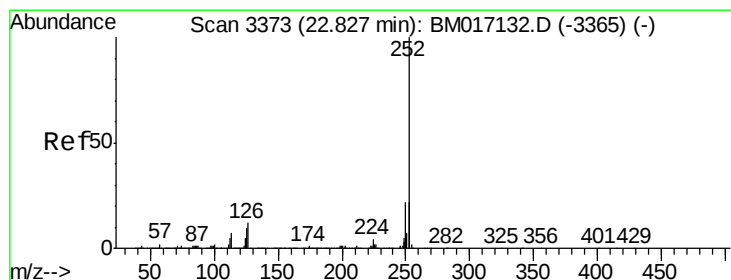
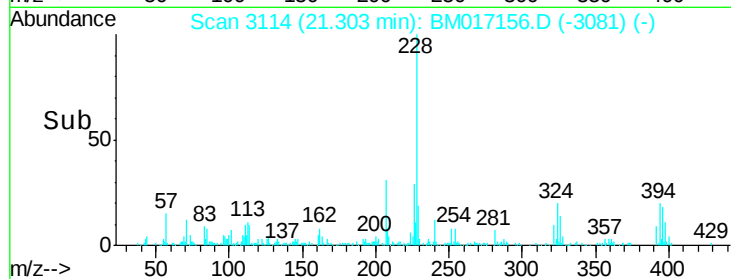
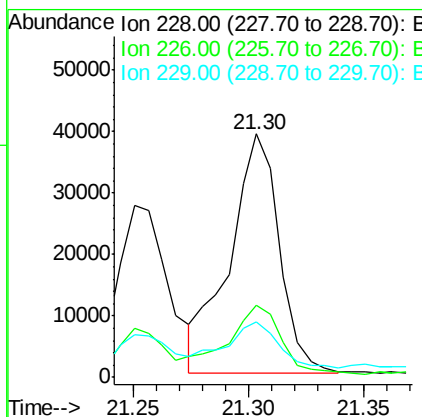
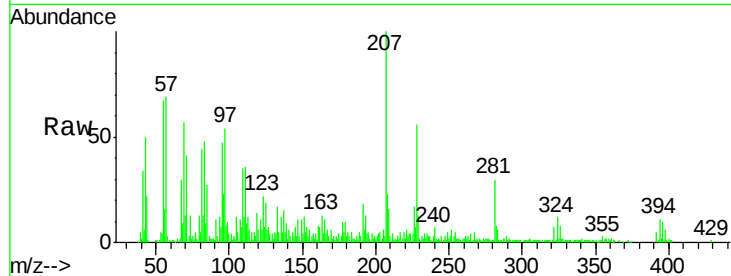




#85  
Chrysene  
Concen: 1.125 ng/ul  
RT: 21.30 min Scan# 3114  
Delta R.T. -0.01 min  
Lab File: BM017156.D  
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Tgt Ion: 228 Resp: 58641  
Ion Ratio Lower Upper  
228 100  
226 29.9 23.4 35.2  
229 22.7 15.6 23.4



#88  
Benzo(b)fluoranthene  
Concen: 1.182 ng/ul  
RT: 22.83 min Scan# 3373  
Delta R.T. 0.00 min  
Lab File: BM017156.D  
Acq: 13 Oct 2018 20:34

Tgt Ion: 252 Resp: 62826  
Ion Ratio Lower Upper  
252 100  
253 27.2 17.3 25.9#  
125 43.4 8.2 12.4#

