

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100417\  
 Data File : BM011908.D  
 Acq On : 05 Oct 2017 01:55  
 Operator : SJ/JU  
 Sample : I5406-02  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Oct 05 07:18:11 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 05 07:08:17 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.87  | 152  | 344070   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.68 | 136  | 1563810  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.52 | 164  | 945404   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.26 | 188  | 2108667  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.43 | 240  | 1691564  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.76 | 264  | 1487320  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.29  | 96  | 31888   | 4.38  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.03  | 99  | 714790  | 24.15 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.20  | 67  | 448035  | 25.57 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.40  | 132 | 635080  | 26.74 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.57  | 113 | 611758  | 23.91 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.04  | 128 | 317365  | 28.50 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.76  | 143 | 360719  | 28.76 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.30 | 165 | 675288  | 26.64 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.82 | 131 | 575695  | 20.81 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.92 | 166 | 2247799 | 27.43 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.22 | 160 | 2659837 | 27.63 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.71 | 143 | 243216  | 16.99 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.51 | 176 | 1943254 | 26.87 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.63 | 200 | 197559  | 13.92 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.36 | 188 | 2921904 | 28.12 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.65 | 212 | 2908506 | 38.12 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.61 | 264 | 1892320 | 26.45 | ng/ul | 0.01 |

## Target Compounds

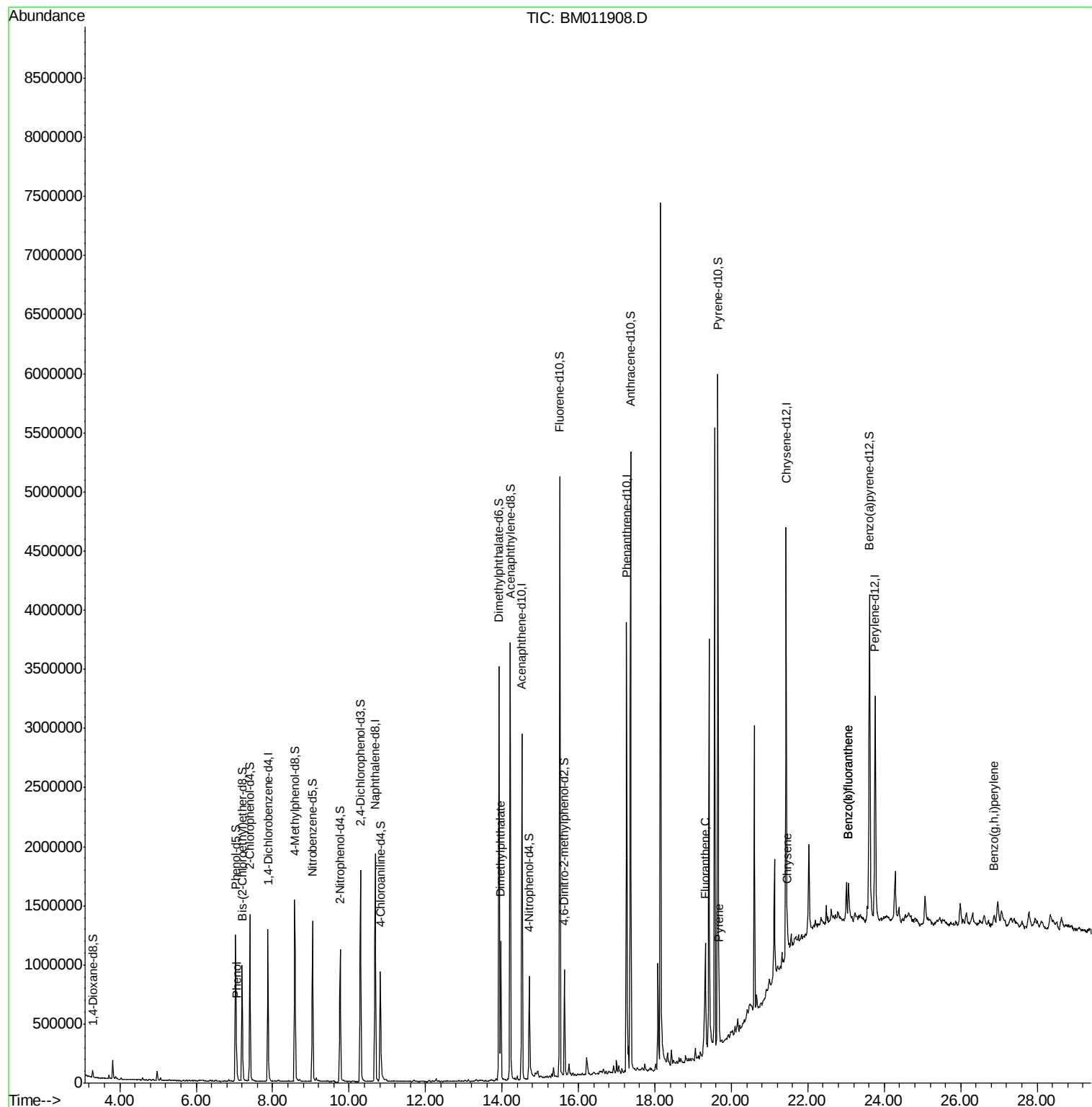
|                          |       |     |        |              | Ovalue |
|--------------------------|-------|-----|--------|--------------|--------|
| 6) Phenol                | 7.06  | 94  | 52768  | 1.801 ng/ul  | 90     |
| 44) Dimethylphthalate    | 13.97 | 163 | 712308 | 9.036 ng/ul  | 99     |
| 74) Fluoranthene         | 19.32 | 202 | 177538 | 1.254 ng/ul# | 84     |
| 77) Pyrene               | 19.68 | 202 | 179954 | 1.919 ng/ul# | 89     |
| 82) Chrysene             | 21.47 | 228 | 98622  | 1.071 ng/ul  | 93     |
| 85) Benzo(b)fluoranthene | 23.06 | 252 | 114875 | 1.271 ng/ul# | 82     |
| 86) Benzo(k)fluoranthene | 23.06 | 252 | 114875 | 1.273 ng/ul# | 79     |
| 91) Benzo(a,h,i)perylene | 26.87 | 276 | 107529 | 1.398 ng/ul# | 87     |

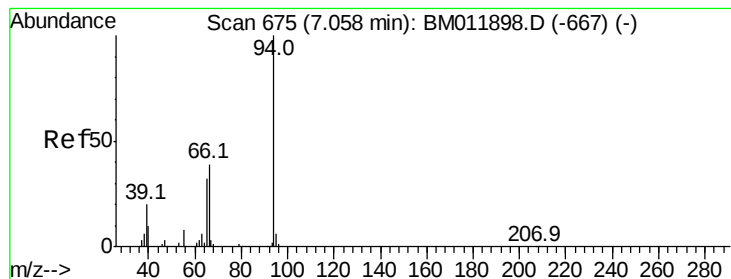
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 05 07:08:17 2017  
Response via : Initial Calibration





#6

Phenol

Concen: 1.801 ng/ul

RT: 7.06 min Scan# 675

Delta R.T. -0.00 min

Lab File: BM011908.D

Acq: 05 Oct 2017 01:55

Instrument :

BNA\_M

ClientSampleId :

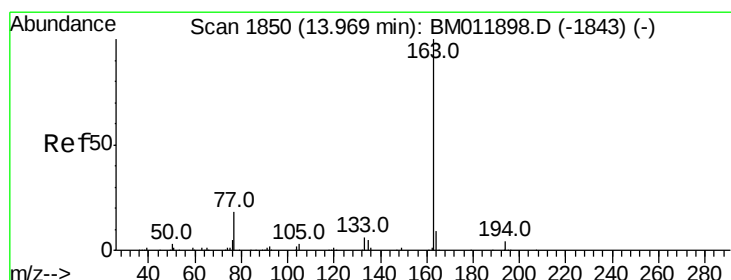
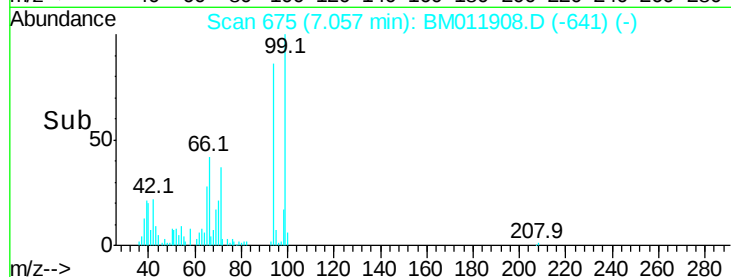
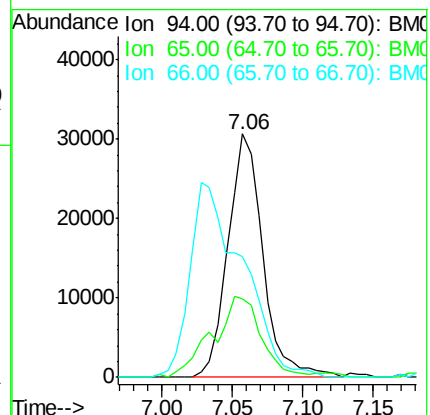
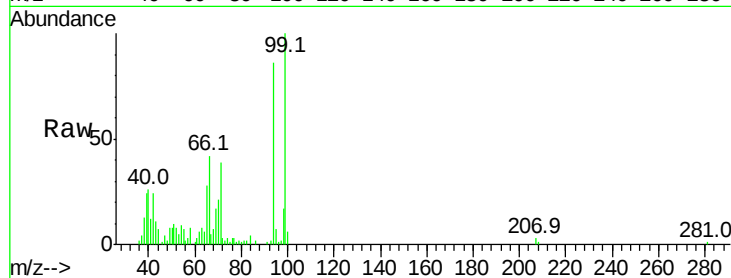
Tot Ion: 94 Resp: 52768

Ion Ratio Lower Upper

94 100

65 32.1 28.2 42.4

66 49.4 47.2 70.8



#44

Dimethylphthalate

Concen: 9.036 ng/ul

RT: 13.97 min Scan# 1850

Delta R.T. -0.00 min

Lab File: BM011908.D

Acq: 05 Oct 2017 01:55

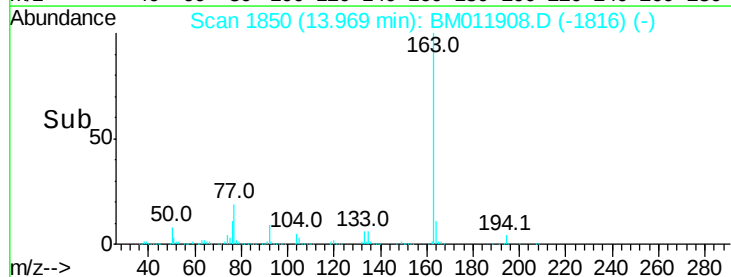
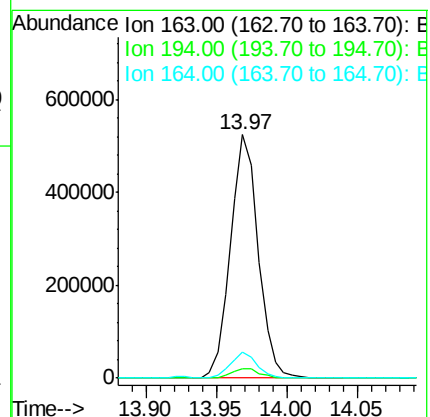
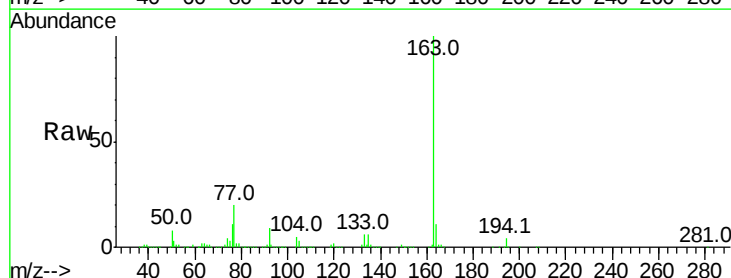
Tgt Ion:163 Resp: 712308

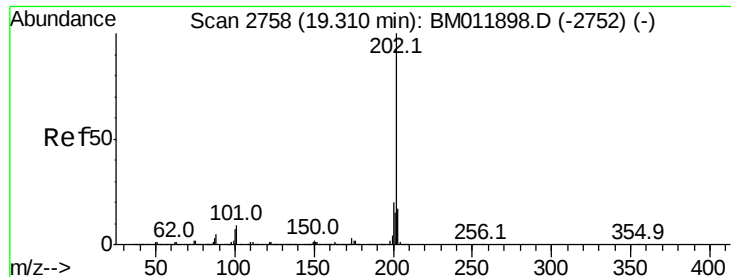
Ion Ratio Lower Upper

163 100

194 3.9 3.5 5.3

164 10.6 8.2 12.4

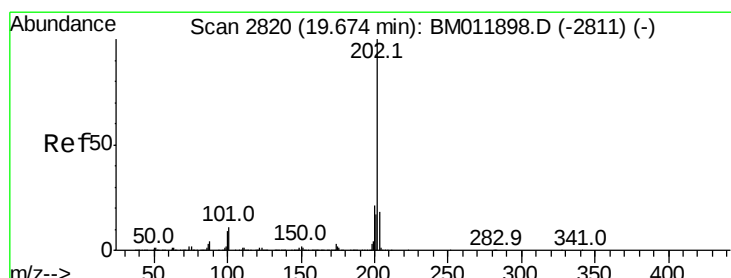
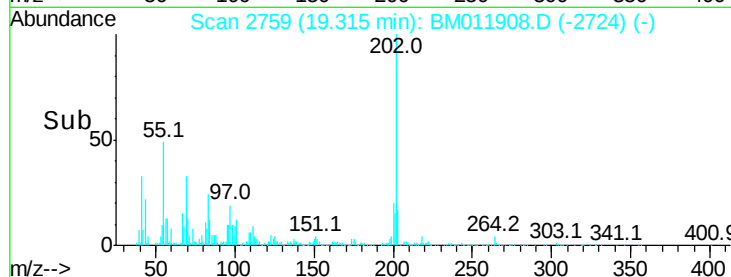
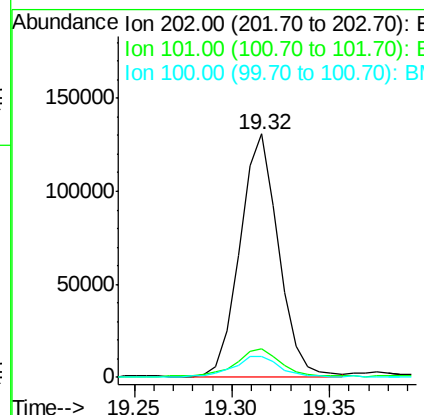
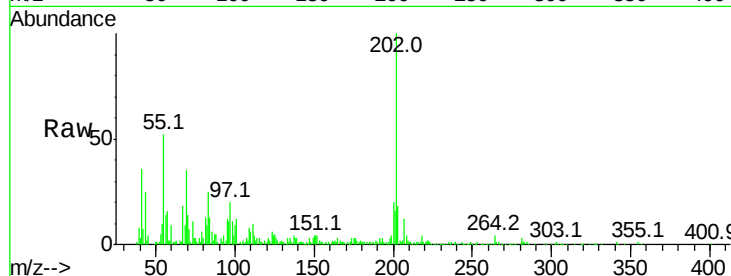




#74  
 Fluoranthene  
 Concen: 1.254 ng/ul  
 RT: 19.32 min Scan# 2759  
 Delta R.T. 0.01 min  
 Lab File: BM011908.D  
 Acq: 05 Oct 2017 01:55

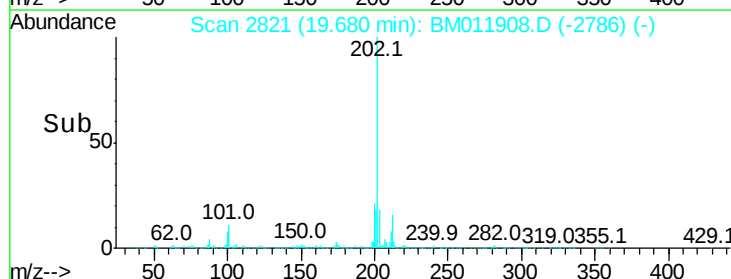
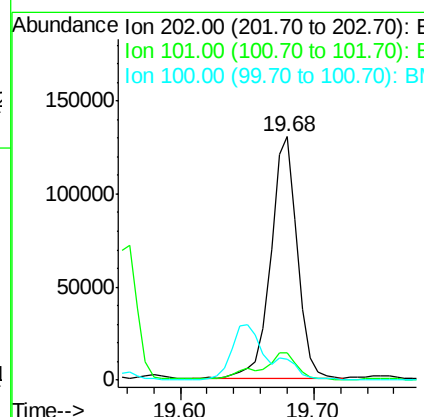
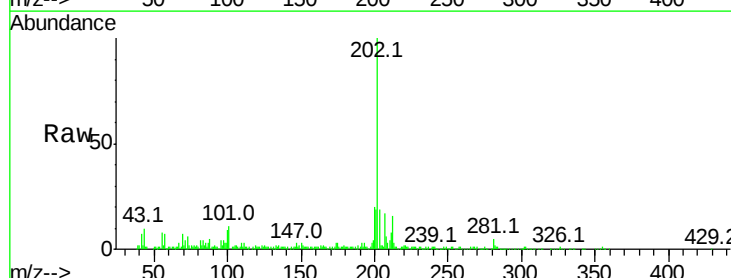
Instrument :  
 BNA\_M  
 ClientSampleId :

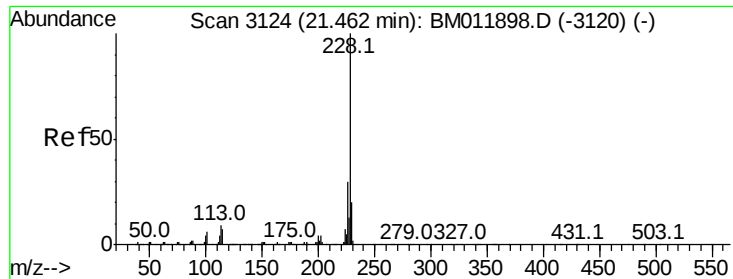
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.8  | 4.6   | 7.0#  |
| 100     | 8.8   | 3.4   | 5.2#  |



#77  
 Pyrene  
 Concen: 1.919 ng/ul  
 RT: 19.68 min Scan# 2821  
 Delta R.T. 0.01 min  
 Lab File: BM011908.D  
 Acq: 05 Oct 2017 01:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.0  | 5.1   | 7.7#  |
| 100     | 8.7   | 4.9   | 7.3#  |





#82

Chrysene

Concen: 1.071 ng/ul

RT: 21.47 min Scan# 3125

Delta R.T. 0.01 min

Lab File: BM011908.D

Acq: 05 Oct 2017 01:55

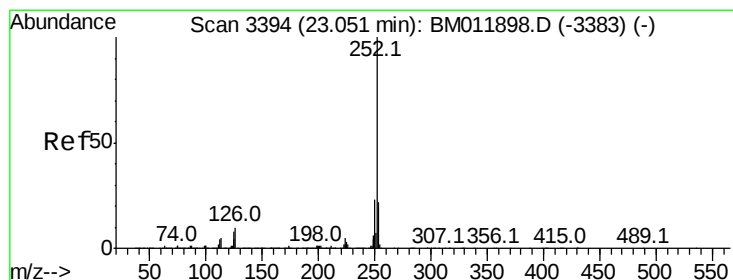
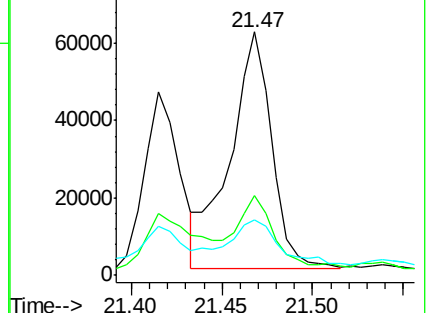
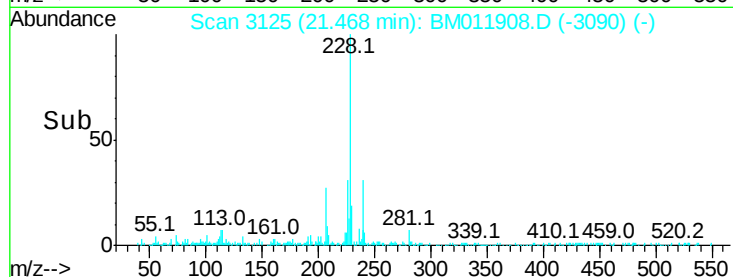
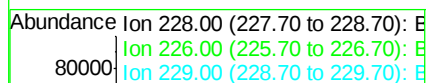
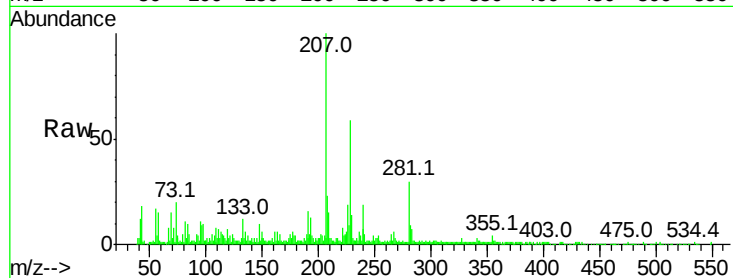
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:228 Resp: 98622

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 32.6  | 23.4  | 35.2  |
| 229 | 22.9  | 15.5  | 23.3  |



#85

Benzo(b)fluoranthene

Concen: 1.271 ng/ul

RT: 23.06 min Scan# 3395

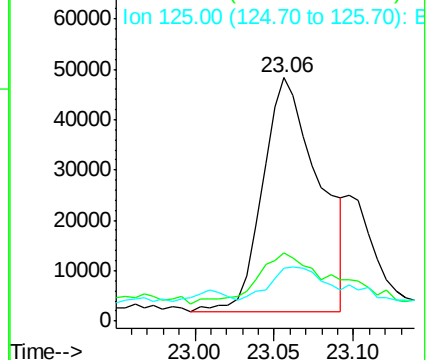
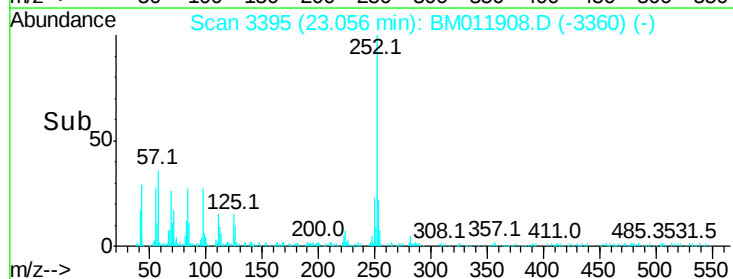
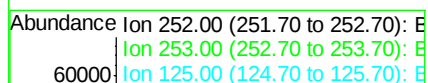
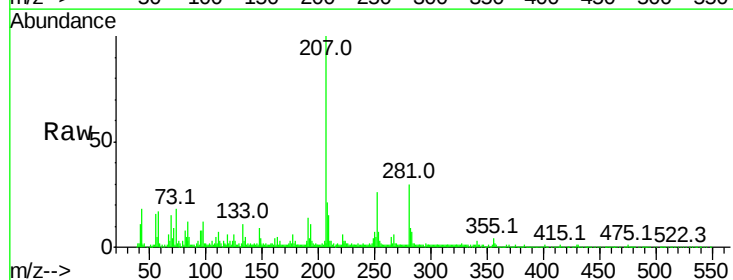
Delta R.T. 0.01 min

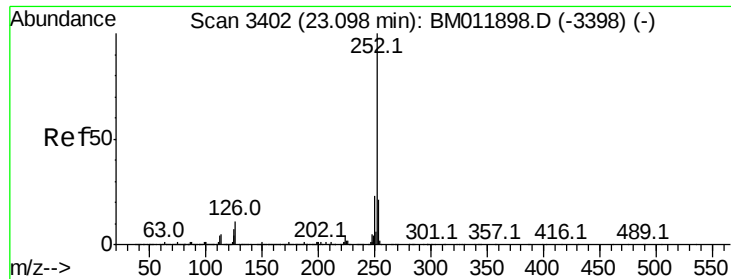
Lab File: BM011908.D

Acq: 05 Oct 2017 01:55

Tgt Ion:252 Resp: 114875

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 28.0  | 17.9  | 26.9# |
| 125 | 21.8  | 3.6   | 5.4#  |

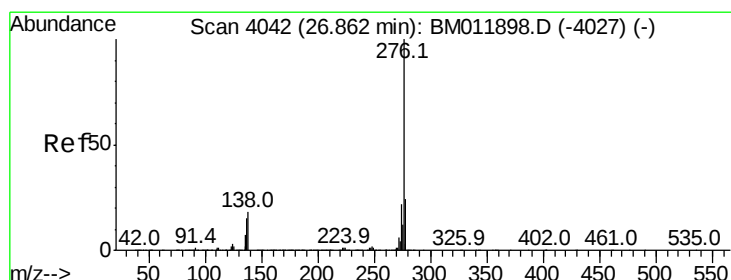
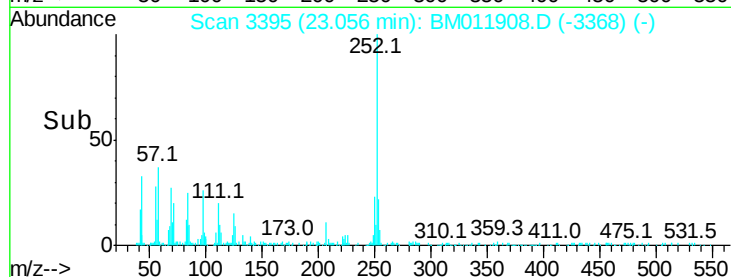
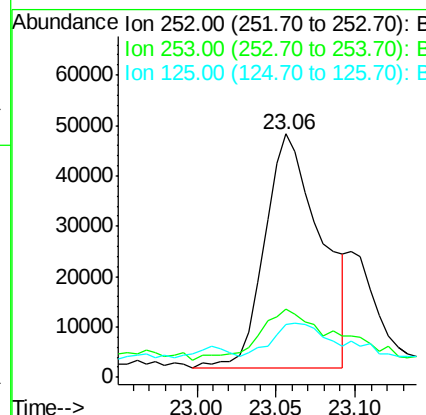
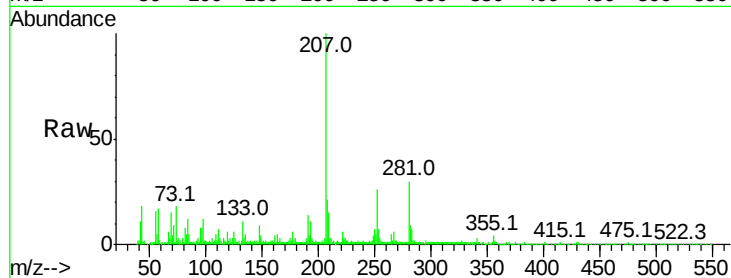




#86  
Benzo(k)fluoranthene  
Concen: 1.273 ng/ul  
RT: 23.06 min Scan# 3395  
Delta R.T. -0.04 min  
Lab File: BM011908.D  
Acq: 05 Oct 2017 01:55

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:252 Resp: 114875  
Ion Ratio Lower Upper  
252 100  
253 28.0 17.1 25.7#  
125 21.8 3.4 5.2#



#91  
Benzo(g,h,i)perylene  
Concen: 1.398 ng/ul  
RT: 26.87 min Scan# 4044  
Delta R.T. 0.01 min  
Lab File: BM011908.D  
Acq: 05 Oct 2017 01:55

Tgt Ion:276 Resp: 107529  
Ion Ratio Lower Upper  
276 100  
138 19.3 8.5 12.7#  
277 27.4 18.6 28.0

