

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080715\  
 Data File : BM002301.D  
 Acq On : 09 Aug 2015 06:22  
 Operator : TP/UM  
 Sample : G3161-18RE  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9C63RE

Quant Time: Aug 09 07:11:34 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Aug 09 06:16:29 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.92  | 152  | 244394   | 20.00 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 11.80 | 136  | 1208601  | 20.00 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 15.50 | 164  | 631663   | 20.00 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 18.21 | 188  | 1264293  | 20.00 | ng/ul | 0.00     |
| 17) Chrysene-d12          | 22.29 | 240  | 1060905  | 20.00 | ng/ul | 0.00     |
| 22) Perylene-d12          | 24.99 | 264  | 915003   | 20.00 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 7) Acenaphthylene-d8        | 15.20 | 160  | 1917877  | 29.31 | ng/ul | 0.00     |
| 10) Fluorene-d10            | 16.47 | 176  | 1227028  | 26.96 | ng/ul | 0.00     |
| 14) Anthracene-d10          | 18.31 | 188  | 1778334  | 28.99 | ng/ul | 0.00     |
| 18) Pyrene-d10              | 20.52 | 212  | 1689943  | 32.84 | ng/ul | 0.00     |
| 25) Benzo(a)pyrene-d12      | 24.82 | 264  | 1343355  | 27.65 | ng/ul | 0.00     |

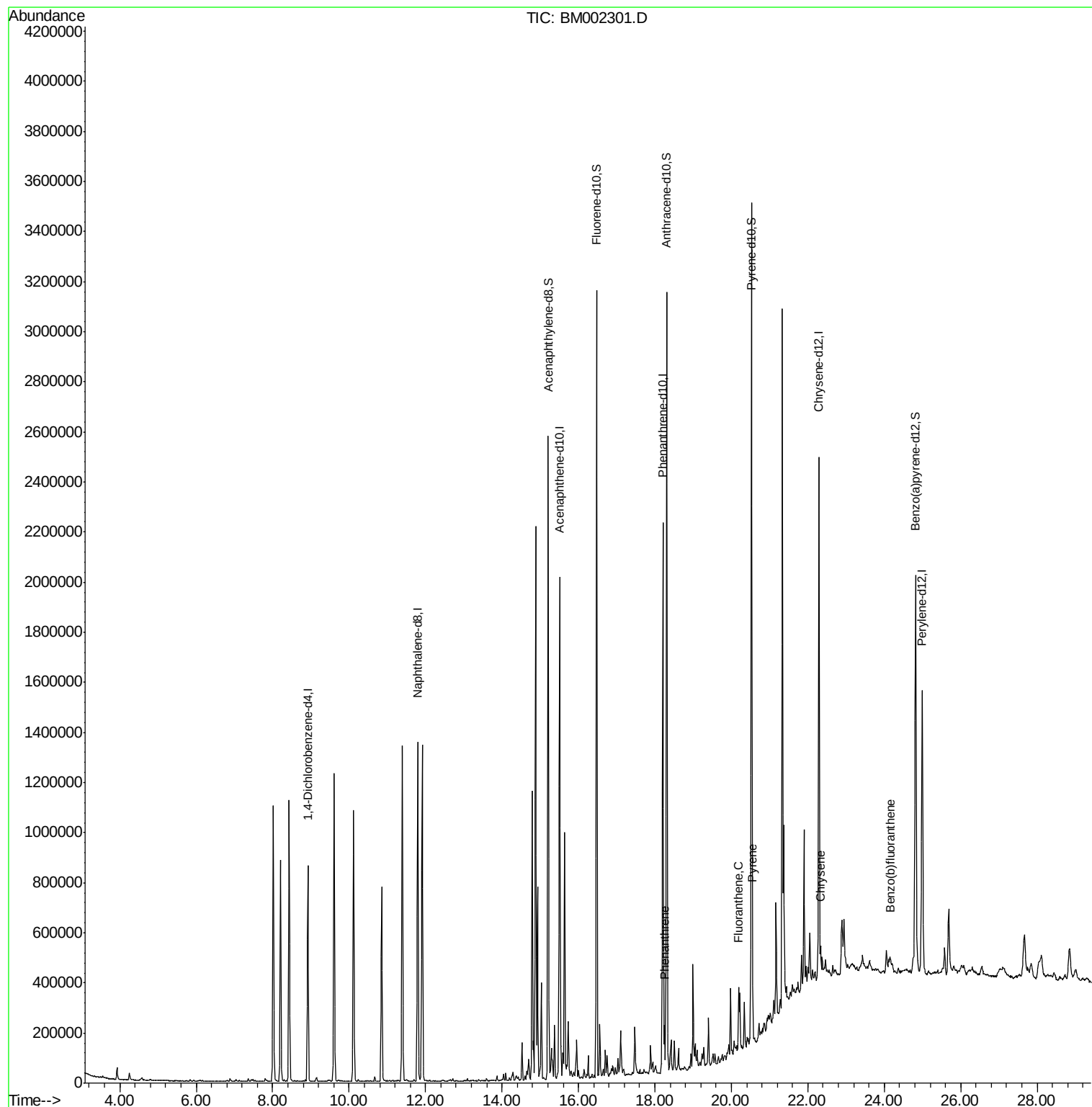
| Target Compounds         | R.T.  | QIon | Response | Conc | Units  | Qvalue |
|--------------------------|-------|------|----------|------|--------|--------|
| 13) Phenanthrene         | 18.25 | 178  | 107239   | 1.47 | ng/ul  | 97     |
| 16) Fluoranthene         | 20.19 | 202  | 150463   | 1.87 | ng/ul  | 97     |
| 19) Pyrene               | 20.55 | 202  | 162339   | 2.37 | ng/ul  | 100    |
| 21) Chrysene             | 22.33 | 228  | 63732    | 1.04 | ng/ul  | 94     |
| 23) Benzo(b)fluoranthene | 24.16 | 252  | 67206    | 1.18 | ng/ul# | 93     |

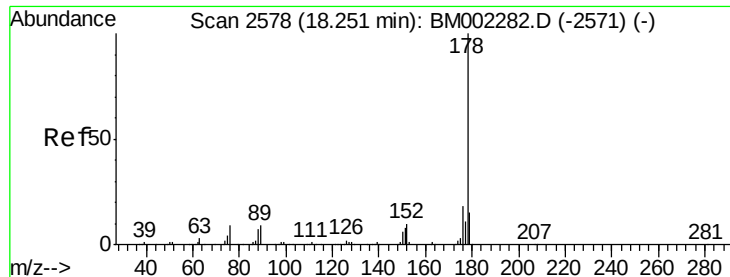
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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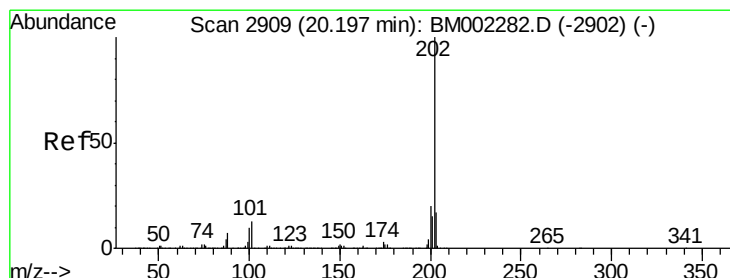
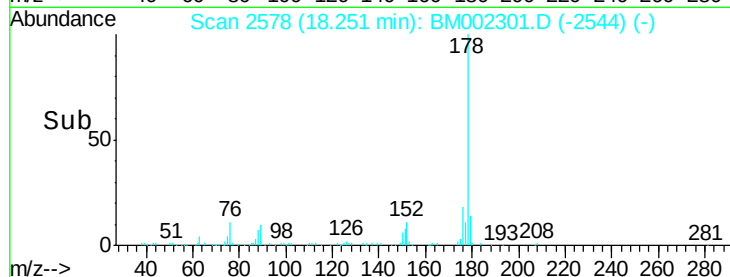
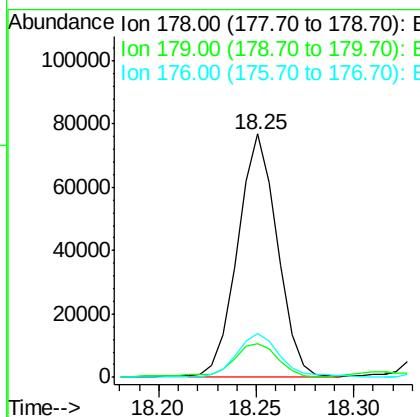
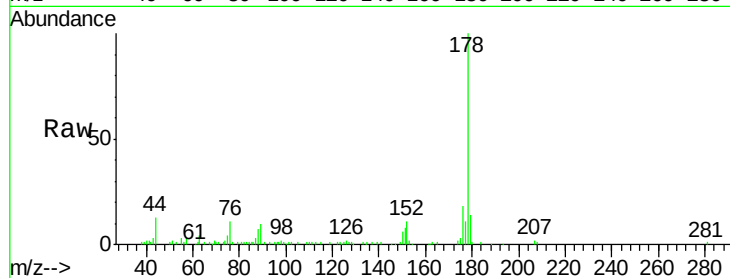




#13  
Phenanthrene  
Concen: 1.47 ng/ul  
RT: 18.25 min Scan# 2578  
Delta R.T. 0.00 min  
Lab File: BM002301.D  
Acq: 09 Aug 2015 06:22

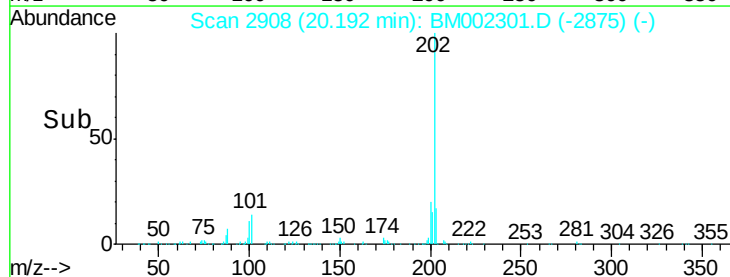
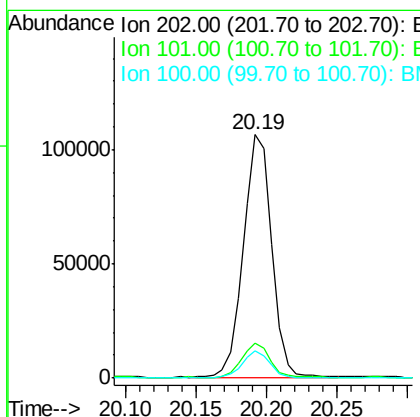
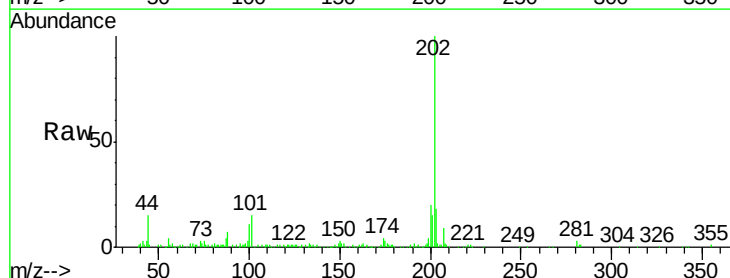
Instrument :  
BNA\_M  
ClientSampleId :  
D9C63RE

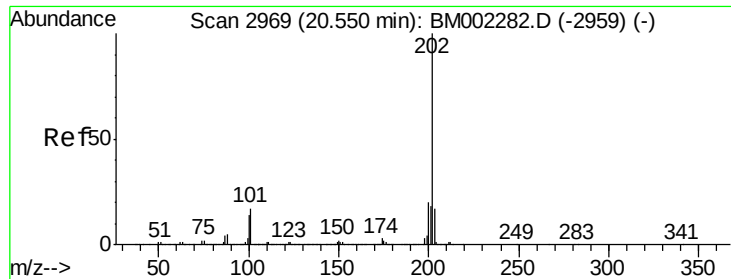
Tgt Ion:178 Resp: 107239  
Ion Ratio Lower Upper  
178 100  
179 13.9 12.3 18.5  
176 17.9 15.3 22.9



#16  
Fluoranthene  
Concen: 1.87 ng/ul  
RT: 20.19 min Scan# 2908  
Delta R.T. -0.01 min  
Lab File: BM002301.D  
Acq: 09 Aug 2015 06:22

Tgt Ion:202 Resp: 150463  
Ion Ratio Lower Upper  
202 100  
101 14.6 10.6 15.8  
100 11.4 8.2 12.4





#19

Pyrene

Concen: 2.37 ng/ul

RT: 20.55 min Scan# 2969

Delta R.T. 0.00 min

Lab File: BM002301.D

Acq: 09 Aug 2015 06:22

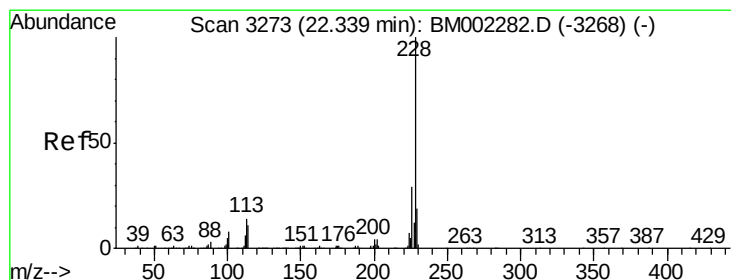
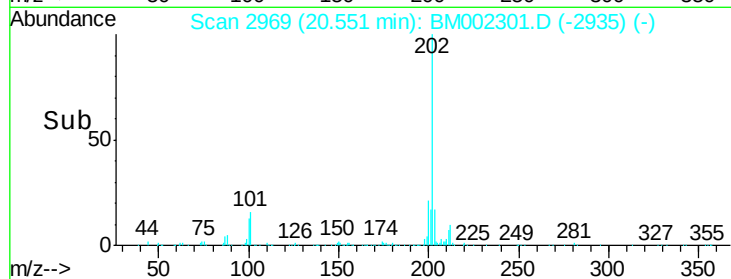
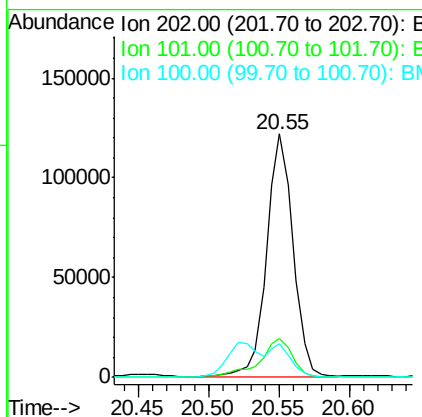
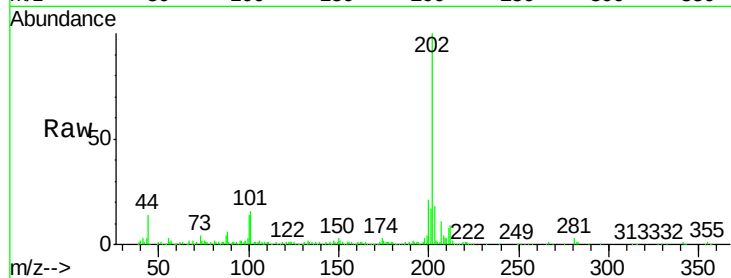
Instrument :

BNA\_M

ClientSampleId :

D9C63RE

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 202   | Resp: | 162339 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 16.1  | 13.0  | 19.6   |
| 100      | 13.6  | 11.0  | 16.4   |



#21

Chrysene

Concen: 1.04 ng/ul

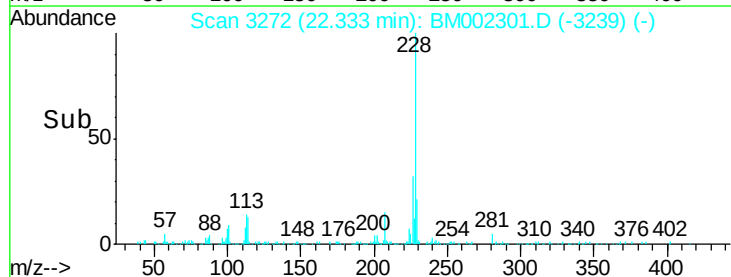
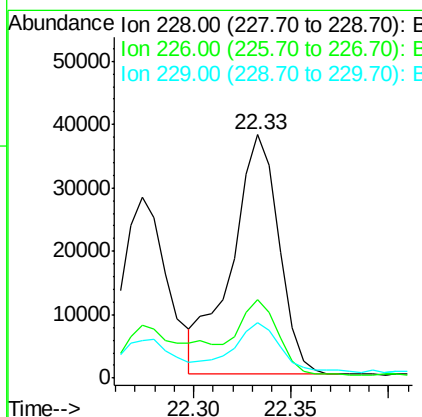
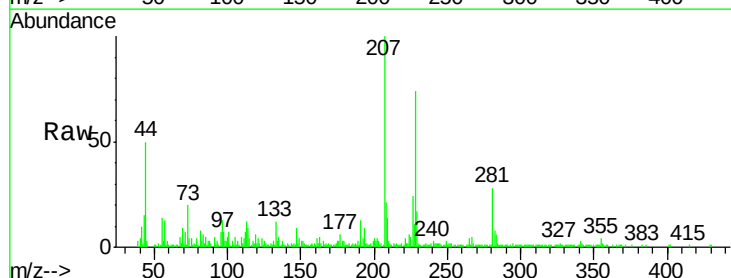
RT: 22.33 min Scan# 3272

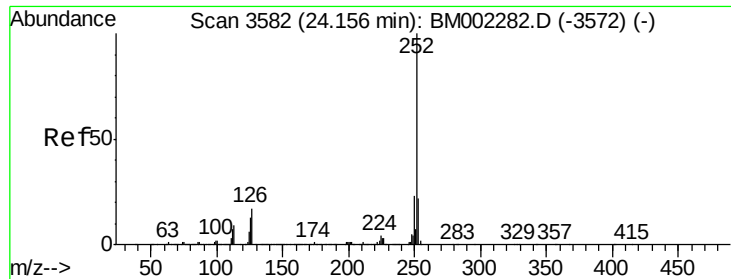
Delta R.T. -0.01 min

Lab File: BM002301.D

Acq: 09 Aug 2015 06:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 63732 |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 32.2  | 23.4  | 35.0  |
| 229      | 22.9  | 15.5  | 23.3  |





#23

Benzo(b)fluoranthene

Concen: 1.18 ng/ul

RT: 24.16 min Scan# 3583

Delta R.T. 0.01 min

Lab File: BM002301.D

Acq: 09 Aug 2015 06:22

Instrument :

BNA\_M

ClientSampleId :

D9C63RE

Tgt Ion: 252 Resp: 67206

Ion Ratio Lower Upper

252 100

253 24.3 17.9 26.9

125 17.4 10.3 15.5#

