

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
 Data File : BM002372.D  
 Acq On : 12 Aug 2015 21:58  
 Operator : UM/IZ  
 Sample : G3163-17  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9D02

Quant Time: Aug 13 00:47:26 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 13 00:45:03 2015  
 Response via : Initial Calibration

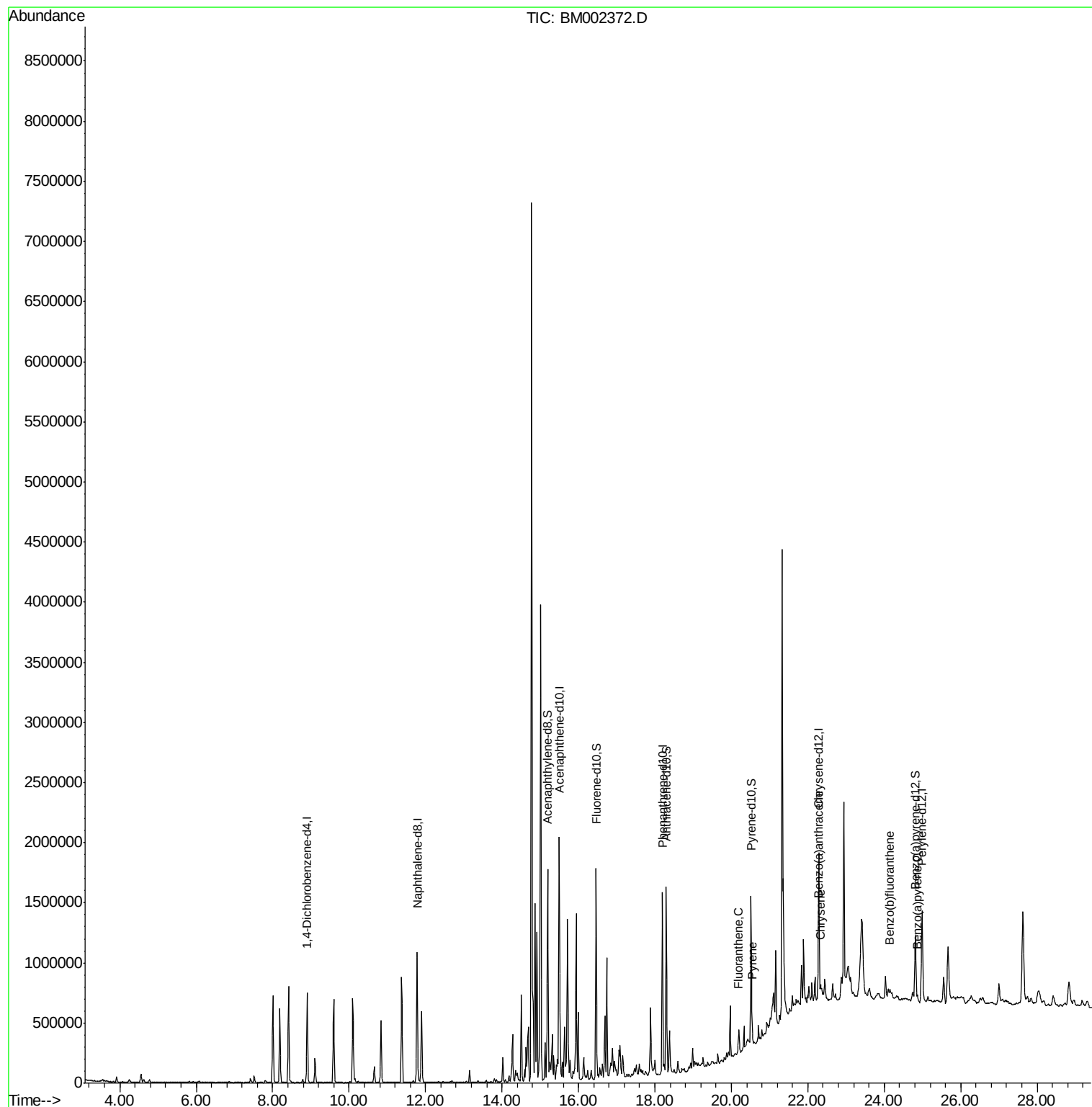
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.90  | 152  | 216378   | 20.00 | ng/ul  | 0.00      |
| 2) Naphthalene-d8           | 11.78 | 136  | 974080   | 20.00 | ng/ul  | 0.00      |
| 6) Acenaphthene-d10         | 15.49 | 164  | 503482   | 20.00 | ng/ul  | 0.00      |
| 12) Phenanthrene-d10        | 18.20 | 188  | 886701   | 20.00 | ng/ul  | 0.00      |
| 17) Chrysene-d12            | 22.29 | 240  | 626762   | 20.00 | ng/ul  | 0.00      |
| 22) Perylene-d12            | 24.99 | 264  | 629955   | 20.00 | ng/ul  | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 7) Acenaphthylene-d8        | 15.19 | 160  | 1176187  | 22.55 | ng/ul  | 0.00      |
| 10) Fluorene-d10            | 16.46 | 176  | 705036   | 19.44 | ng/ul  | 0.00      |
| 14) Anthracene-d10          | 18.30 | 188  | 859769   | 19.98 | ng/ul  | 0.00      |
| 18) Pyrene-d10              | 20.52 | 212  | 607752   | 19.99 | ng/ul  | 0.00      |
| 25) Benzo(a)pyrene-d12      | 24.81 | 264  | 456522   | 13.65 | ng/ul  | 0.00      |
| Target Compounds            |       |      |          |       |        |           |
| 16) Fluoranthene            | 20.19 | 202  | 85652    | 1.52  | ng/ul  | Qvalue 99 |
| 19) Pyrene                  | 20.54 | 202  | 65497    | 1.62  | ng/ul  | 96        |
| 20) Benzo(a)anthracene      | 22.27 | 228  | 39343    | 1.03  | ng/ul# | 87        |
| 21) Chrysene                | 22.33 | 228  | 44512    | 1.23  | ng/ul# | 86        |
| 23) Benzo(b)fluoranthene    | 24.16 | 252  | 64727    | 1.65  | ng/ul# | 86        |
| 26) Benzo(a)pyrene          | 24.87 | 252  | 39338    | 1.05  | ng/ul# | 79        |

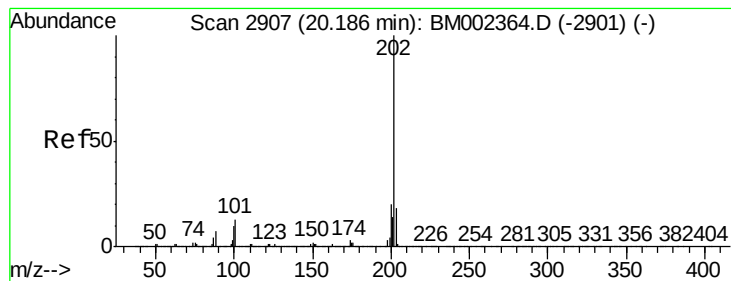
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 13 00:45:03 2015  
Response via : Initial Calibration





#16

Fluoranthene

Concen: 1.52 ng/ul

RT: 20.19 min Scan# 2907

Delta R.T. 0.00 min

Lab File: BM002372.D

Acq: 12 Aug 2015 21:58

Instrument :

BNA\_M

ClientSampleId :

D9D02

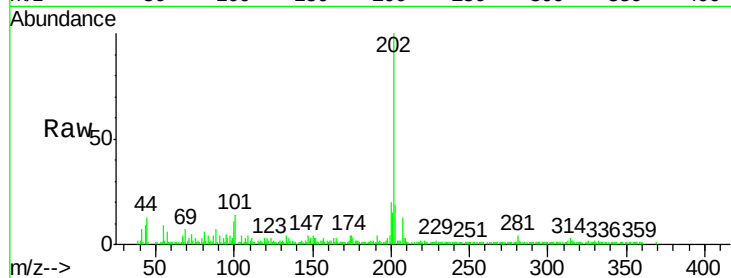
Tgt Ion:202 Resp: 85652

Ion Ratio Lower Upper

202 100

101 13.5 10.6 15.8

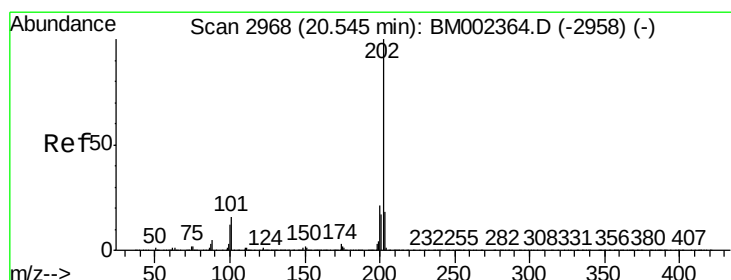
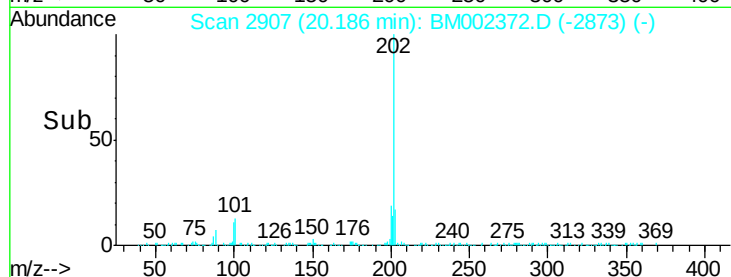
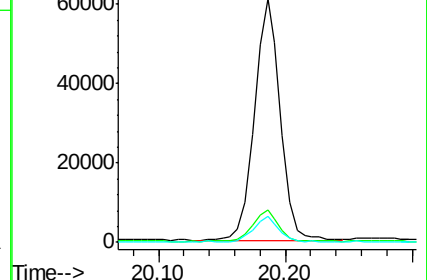
100 10.7 8.2 12.4



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



#19

Pyrene

Concen: 1.62 ng/ul

RT: 20.54 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BM002372.D

Acq: 12 Aug 2015 21:58

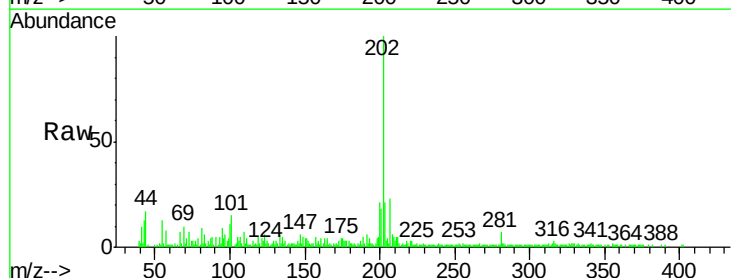
Tgt Ion:202 Resp: 65497

Ion Ratio Lower Upper

202 100

101 15.4 13.0 19.6

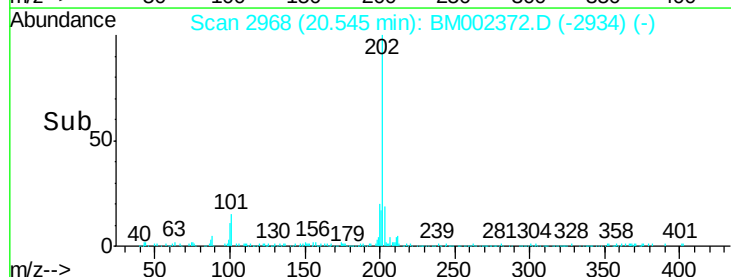
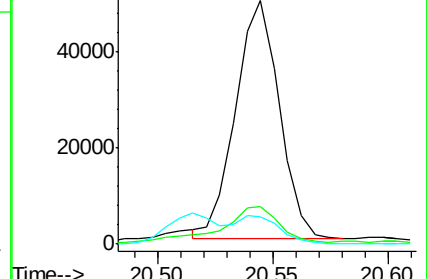
100 11.4 11.0 16.4

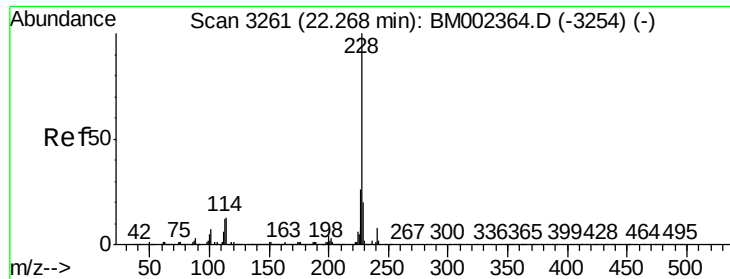


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 1.03 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. 0.00 min

Lab File: BM002372.D

Acq: 12 Aug 2015 21:58

Instrument :

BNA\_M

ClientSampleId :

D9D02

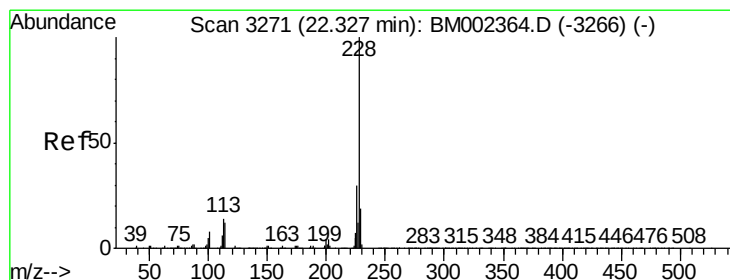
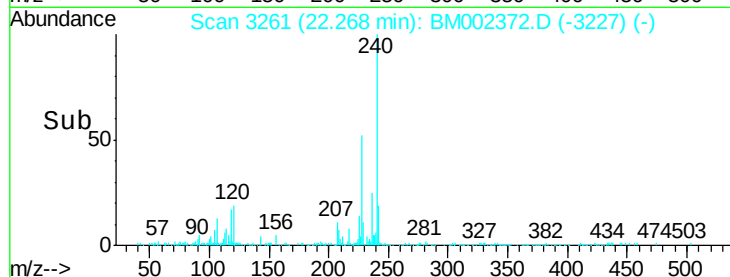
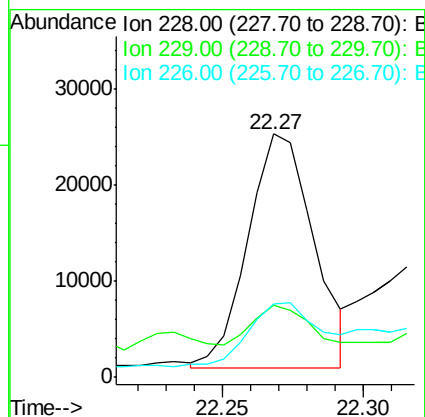
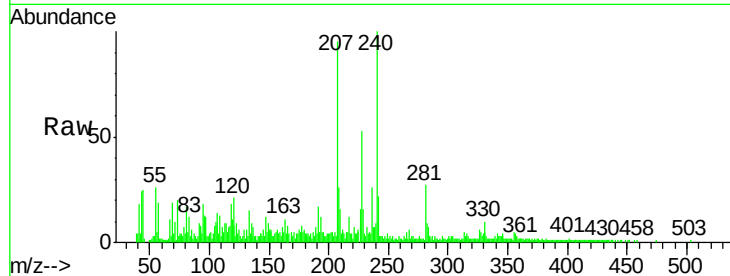
Tgt Ion:228 Resp: 39343

Ion Ratio Lower Upper

228 100

229 29.6 15.7 23.5#

226 30.1 21.4 32.0



#21

Chrysene

Concen: 1.23 ng/ul

RT: 22.33 min Scan# 3271

Delta R.T. 0.00 min

Lab File: BM002372.D

Acq: 12 Aug 2015 21:58

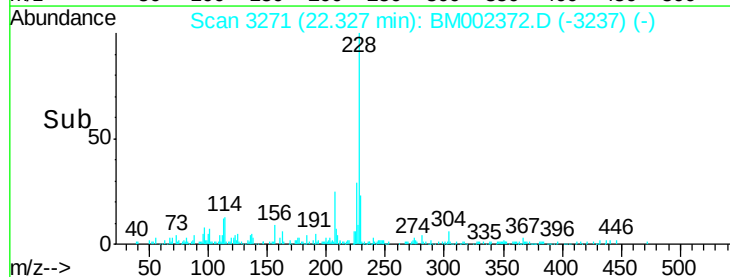
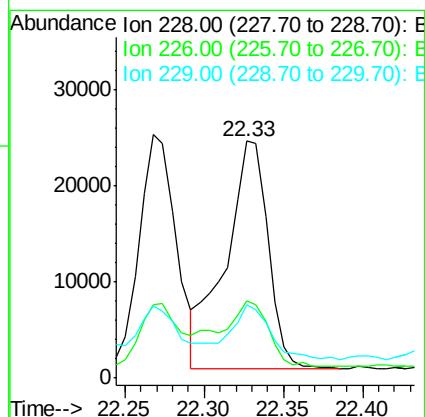
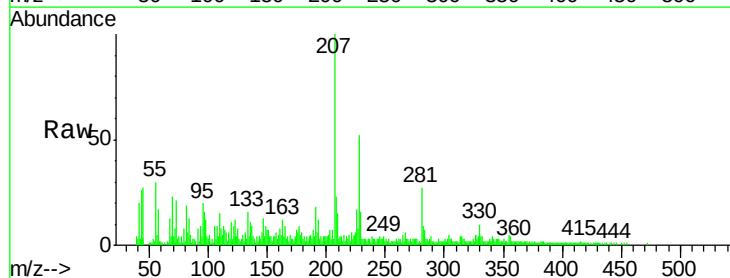
Tgt Ion:228 Resp: 44512

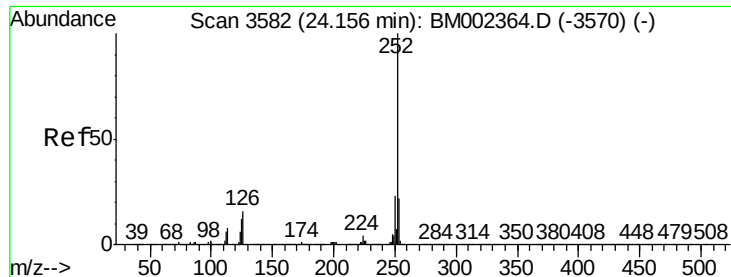
Ion Ratio Lower Upper

228 100

226 32.5 23.4 35.0

229 30.8 15.5 23.3#





#23

Benzo(b)fluoranthene

Concen: 1.65 ng/ul

RT: 24.16 min Scan# 3582

Delta R.T. 0.00 min

Lab File: BM002372.D

Acq: 12 Aug 2015 21:58

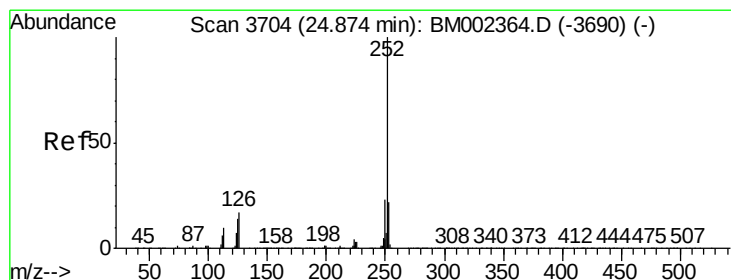
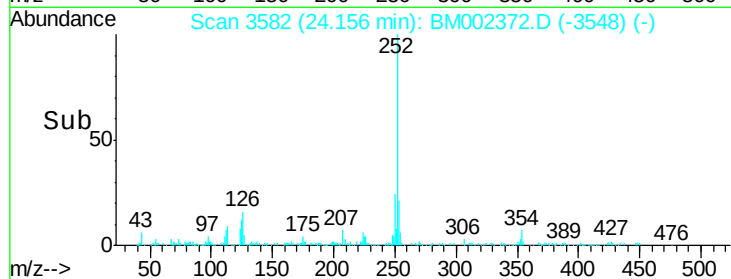
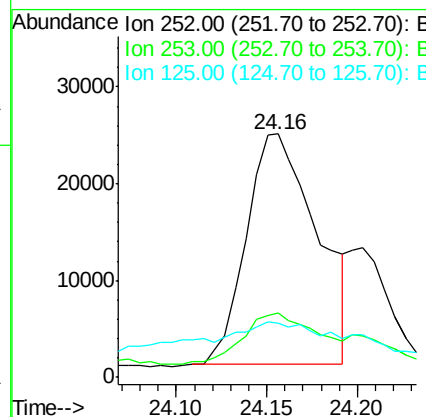
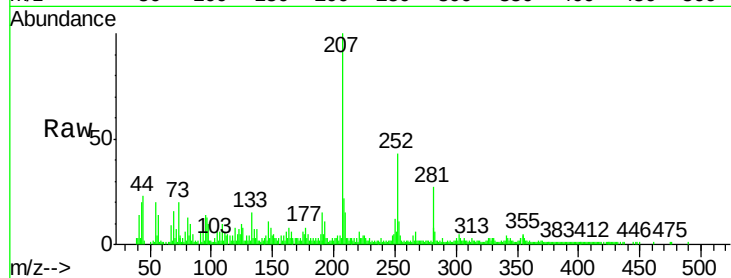
Instrument :

BNA\_M

ClientSampleId :

D9D02

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 252  | Resp: | 64727 |
| Ion Ratio |      | Lower | Upper |
| 252       | 100  |       |       |
| 253       | 26.5 | 17.9  | 26.9  |
| 125       | 22.3 | 10.3  | 15.5# |



#26

Benzo(a)pyrene

Concen: 1.05 ng/ul

RT: 24.87 min Scan# 3703

Delta R.T. -0.01 min

Lab File: BM002372.D

Acq: 12 Aug 2015 21:58

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 252  | Resp: | 39338 |
| Ion Ratio |      | Lower | Upper |
| 252       | 100  |       |       |
| 253       | 29.8 | 17.3  | 25.9# |
| 125       | 24.5 | 11.0  | 16.6# |

