

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\  
 Data File : BM002411.D  
 Acq On : 15 Aug 2015 06:43  
 Operator : UM/IZ  
 Sample : G3219-20  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Aug 17 02:55:27 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 17 02:54:04 2015  
 Response via : Initial Calibration

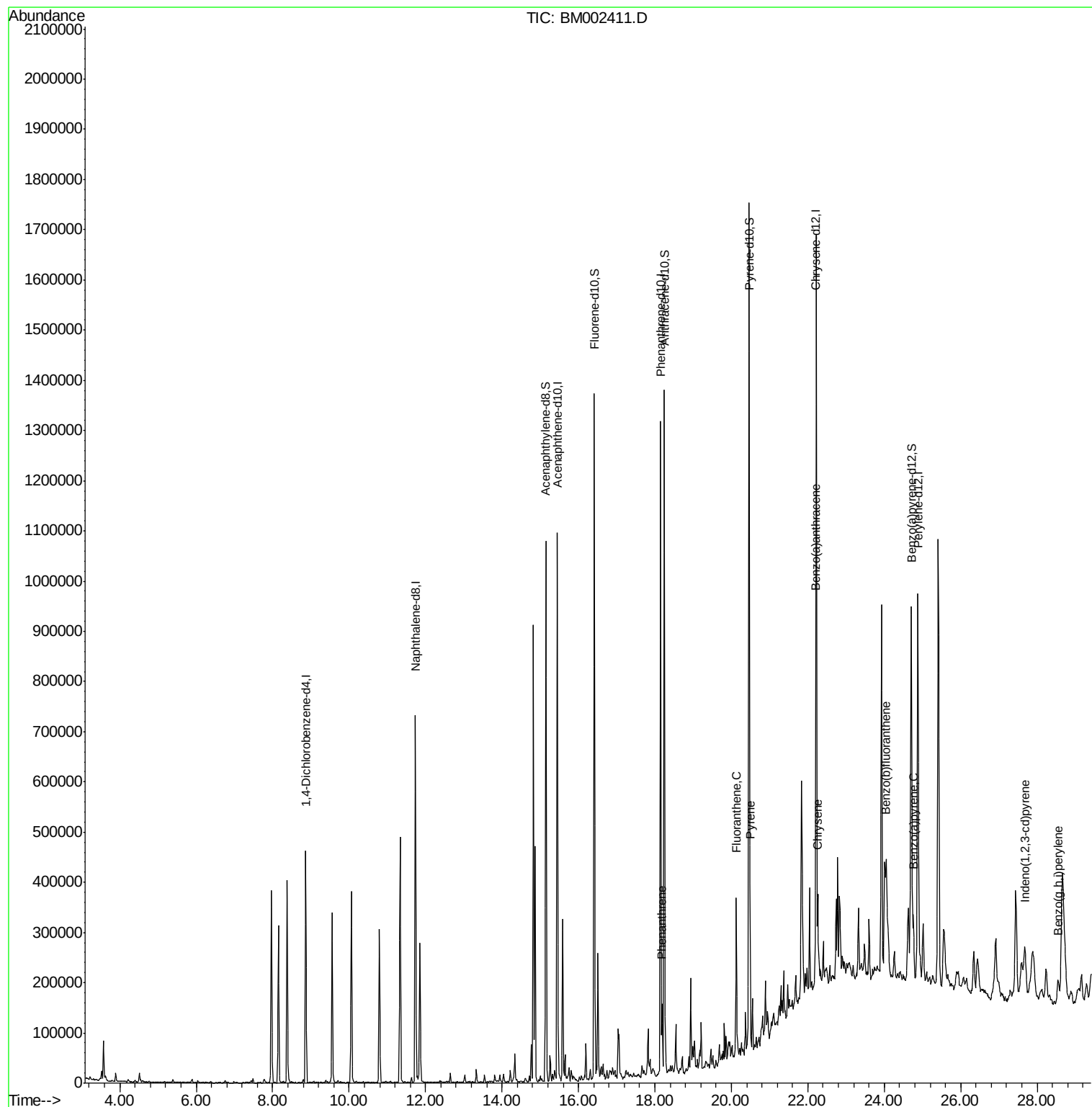
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.87  | 152  | 141182   | 20.00 | ng/ul  | 0.00      |
| 2) Naphthalene-d8           | 11.73 | 136  | 678969   | 20.00 | ng/ul  | 0.00      |
| 6) Acenaphthene-d10         | 15.44 | 164  | 371954   | 20.00 | ng/ul  | 0.00      |
| 12) Phenanthrene-d10        | 18.15 | 188  | 789889   | 20.00 | ng/ul  | 0.00      |
| 17) Chrysene-d12            | 22.22 | 240  | 778797   | 20.00 | ng/ul  | 0.00      |
| 22) Perylene-d12            | 24.88 | 264  | 606979   | 20.00 | ng/ul  | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 7) Acenaphthylene-d8        | 15.15 | 160  | 804313   | 21.15 | ng/ul  | 0.00      |
| 10) Fluorene-d10            | 16.42 | 176  | 542371   | 20.31 | ng/ul  | 0.00      |
| 14) Anthracene-d10          | 18.24 | 188  | 783868   | 20.57 | ng/ul  | 0.00      |
| 18) Pyrene-d10              | 20.46 | 212  | 825135   | 23.90 | ng/ul  | 0.00      |
| 25) Benzo(a)pyrene-d12      | 24.71 | 264  | 644629   | 20.22 | ng/ul  | 0.00      |
| Target Compounds            |       |      |          |       |        |           |
| 13) Phenanthrene            | 18.19 | 178  | 87366    | 1.92  | ng/ul  | Ovalue 99 |
| 16) Fluoranthene            | 20.13 | 202  | 188392   | 3.65  | ng/ul  | 99        |
| 19) Pyrene                  | 20.49 | 202  | 167047   | 3.66  | ng/ul  | 99        |
| 20) Benzo(a)anthracene      | 22.20 | 228  | 95938    | 2.06  | ng/ul  | 98        |
| 21) Chrysene                | 22.26 | 228  | 115319   | 2.65  | ng/ul  | 97        |
| 23) Benzo(b)fluoranthene    | 24.06 | 252  | 161377   | 4.40  | ng/ul# | 96        |
| 26) Benzo(a)pyrene          | 24.76 | 252  | 82525    | 2.35  | ng/ul  | 96        |
| 27) Indeno(1,2,3-cd)pyrene  | 27.68 | 276  | 63243    | 1.57  | ng/ul  | 95        |
| 29) Benzo(g,h,i)perylene    | 28.55 | 276  | 60851    | 1.81  | ng/ul  | 96        |

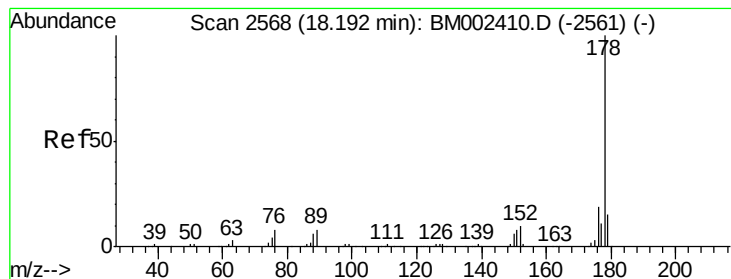
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 17 02:54:04 2015  
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#13

Phenanthrene

Concen: 1.92 ng/ul

RT: 18.19 min Scan# 2568

Delta R.T. 0.00 min

Lab File: BM002411.D

Acq: 15 Aug 2015 06:43

Instrument :

BNA\_M

ClientSampleId :

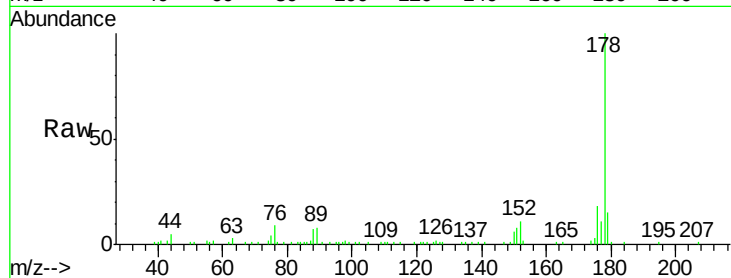
Tot Ion:178 Resp: 87366

Ion Ratio Lower Upper

178 100

179 14.6 12.4 18.6

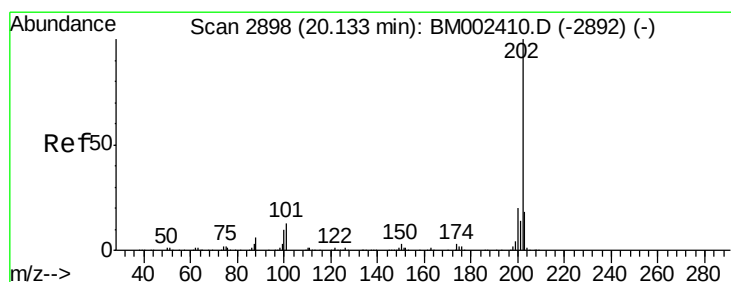
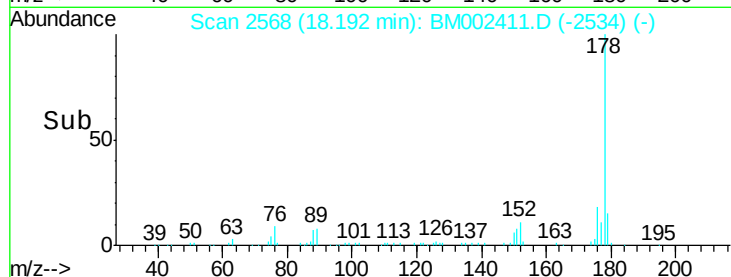
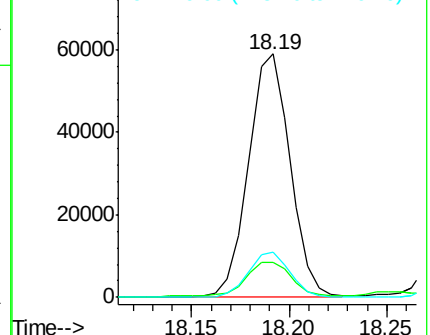
176 18.5 15.1 22.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#16

Fluoranthene

Concen: 3.65 ng/ul

RT: 20.13 min Scan# 2898

Delta R.T. 0.00 min

Lab File: BM002411.D

Acq: 15 Aug 2015 06:43

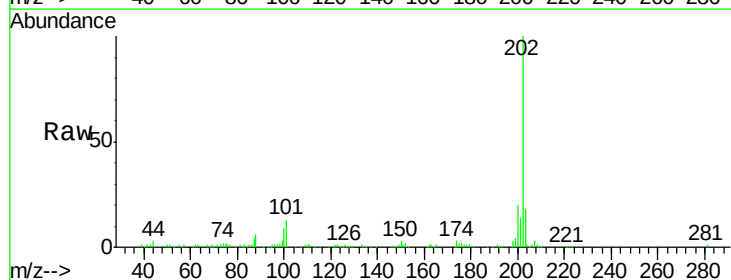
Tgt Ion:202 Resp: 188392

Ion Ratio Lower Upper

202 100

101 12.9 9.7 14.5

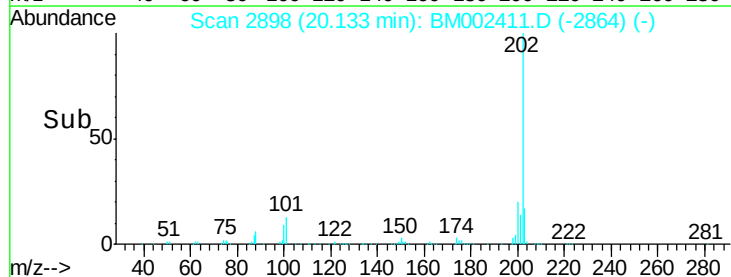
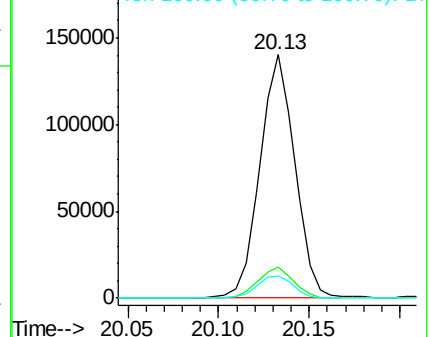
100 9.0 7.4 11.2

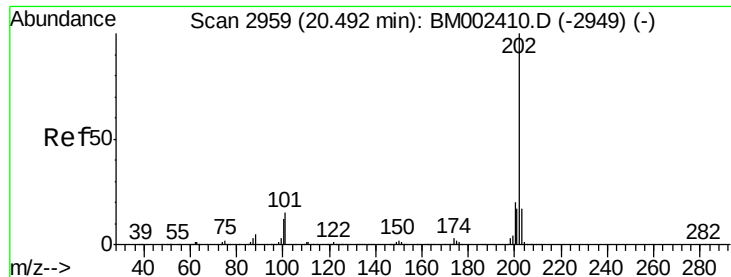


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pvrene

Concen: 3.66 ng/ul

RT: 20.49 min Scan# 2959

Delta R.T. 0.00 min

Lab File: BM002411.D

Acq: 15 Aug 2015 06:43

Instrument :

BNA\_M

ClientSampleId :

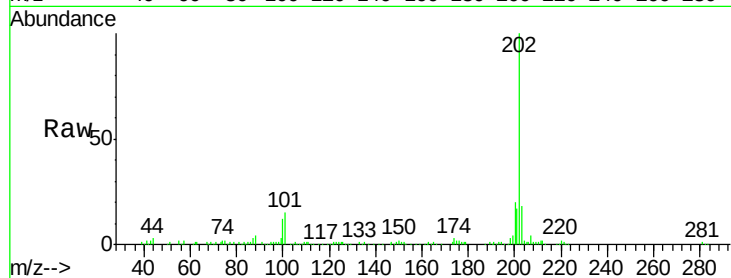
Tot Ion:202 Resp: 167047

Ion Ratio Lower Upper

202 100

101 14.7 12.0 18.0

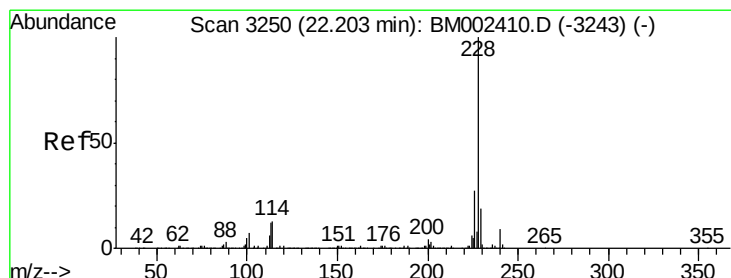
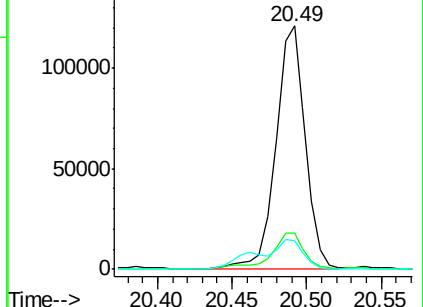
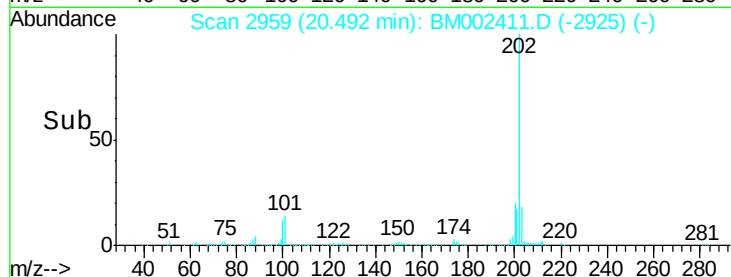
100 11.6 9.7 14.5



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): E



#20

Benzo(a)anthracene

Concen: 2.06 ng/ul

RT: 22.20 min Scan# 3250

Delta R.T. 0.00 min

Lab File: BM002411.D

Acq: 15 Aug 2015 06:43

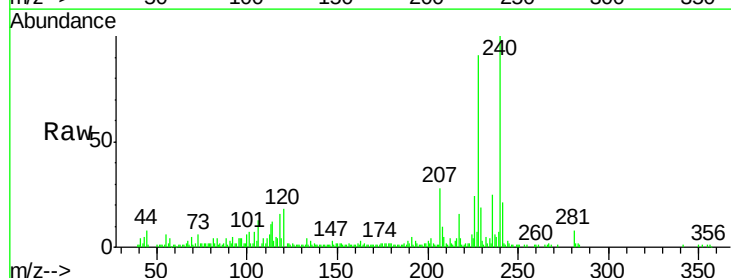
Tgt Ion:228 Resp: 95938

Ion Ratio Lower Upper

228 100

229 20.9 15.8 23.6

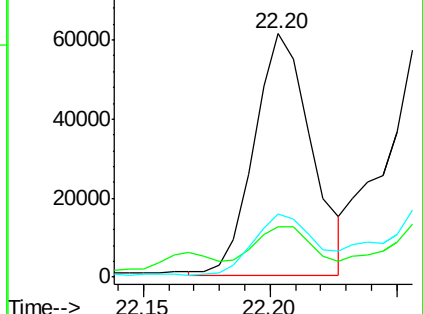
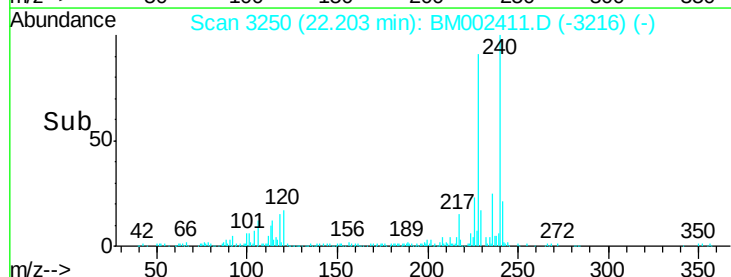
226 26.0 21.1 31.7

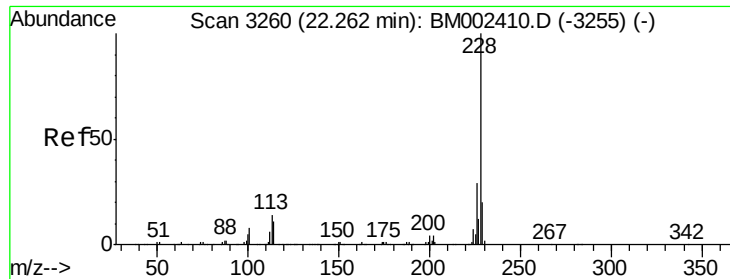


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 2.65 ng/ul

RT: 22.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: BM002411.D

Acq: 15 Aug 2015 06:43

Instrument :

BNA\_M

ClientSampleId :

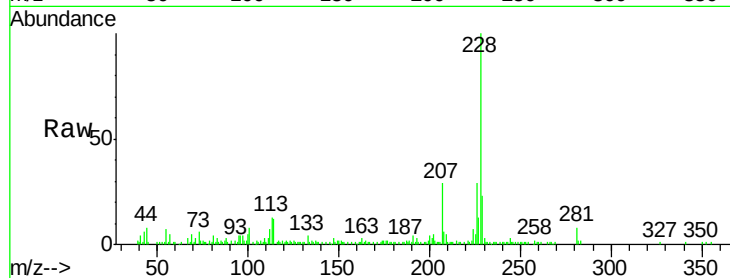
Tot Ion:228 Resp: 115319

Ion Ratio Lower Upper

228 100

226 29.3 23.4 35.2

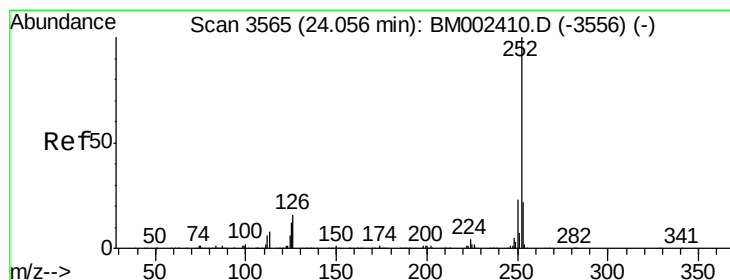
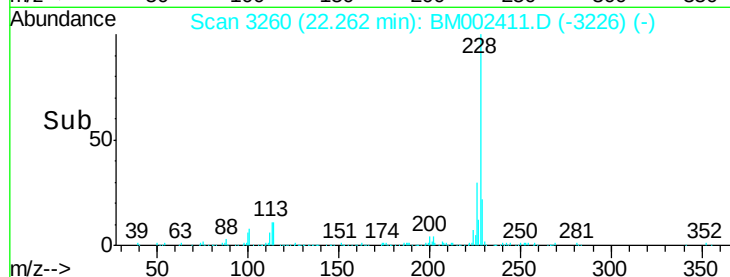
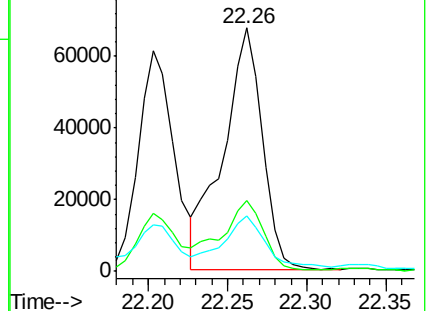
229 22.9 15.7 23.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#23

Benzo(b)fluoranthene

Concen: 4.40 ng/ul

RT: 24.06 min Scan# 3565

Delta R.T. 0.00 min

Lab File: BM002411.D

Acq: 15 Aug 2015 06:43

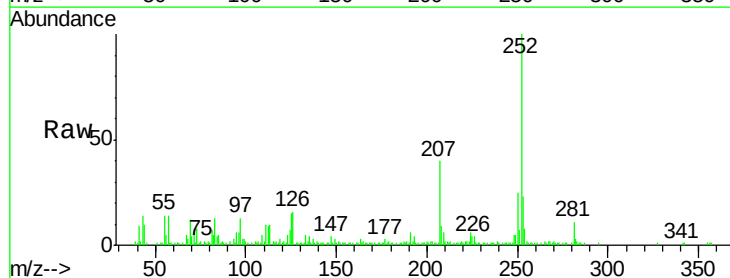
Tgt Ion:252 Resp: 161377

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

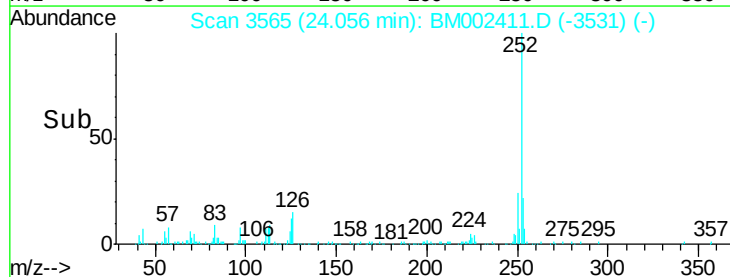
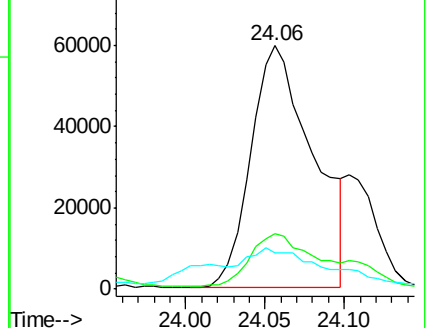
125 15.1 10.0 15.0#

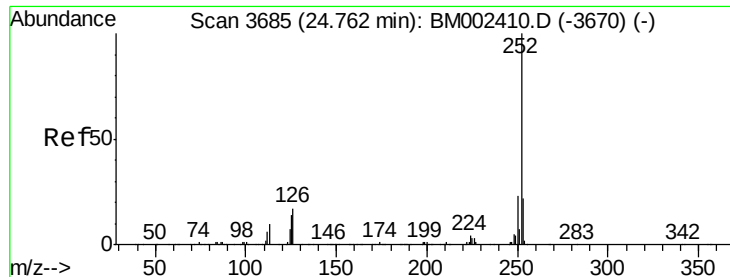


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 2.35 ng/ul

RT: 24.76 min Scan# 3685

Delta R.T. 0.00 min

Lab File: BM002411.D

Acq: 15 Aug 2015 06:43

Instrument :

BNA\_M

ClientSampleId :

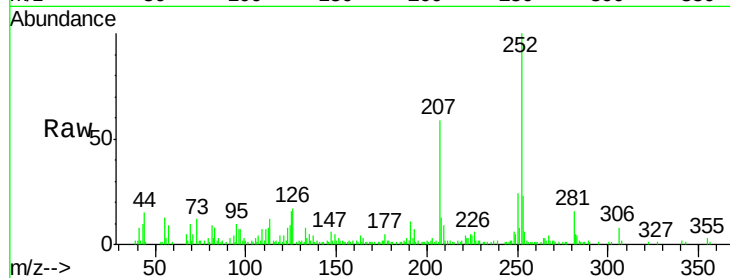
Tot Ion:252 Resp: 82525

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

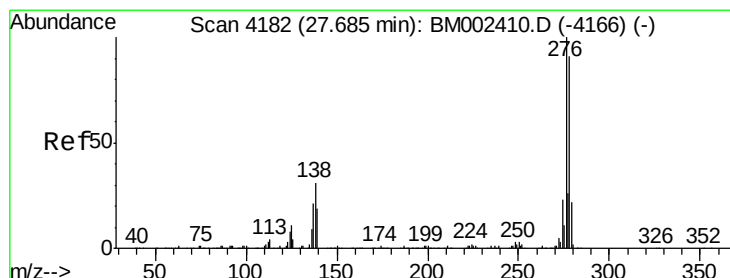
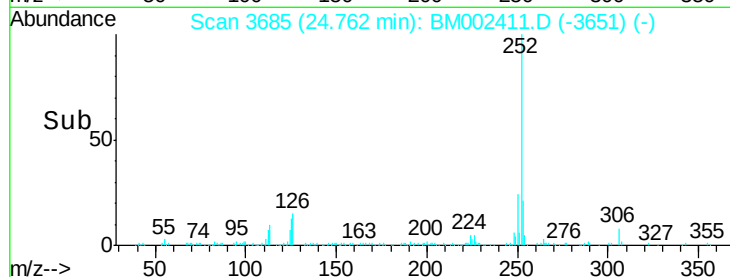
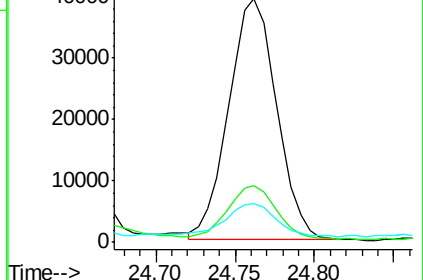
125 16.0 10.7 16.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#27

Indeno(1,2,3-cd)pyrene

Concen: 1.57 ng/ul

RT: 27.68 min Scan# 4181

Delta R.T. -0.01 min

Lab File: BM002411.D

Acq: 15 Aug 2015 06:43

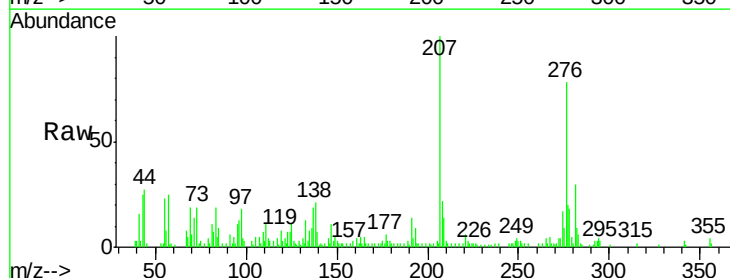
Tgt Ion:276 Resp: 63243

Ion Ratio Lower Upper

276 100

138 27.2 25.3 37.9

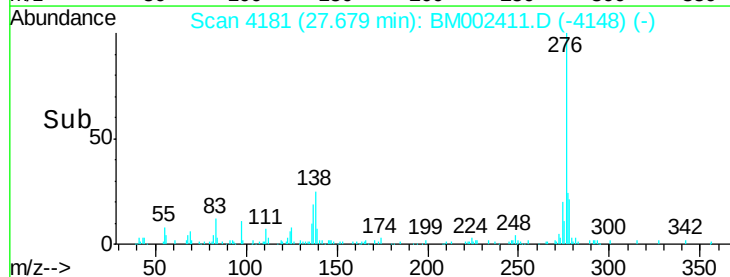
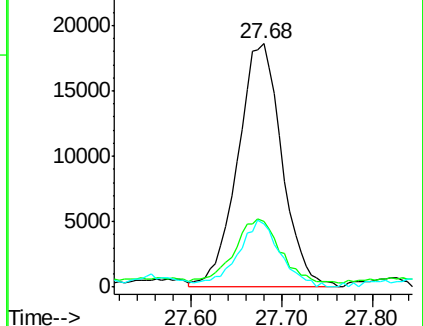
277 26.1 20.2 30.2

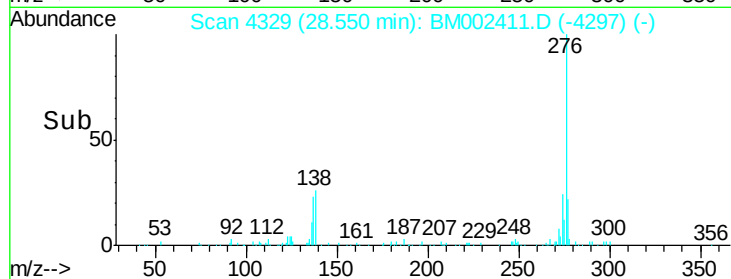
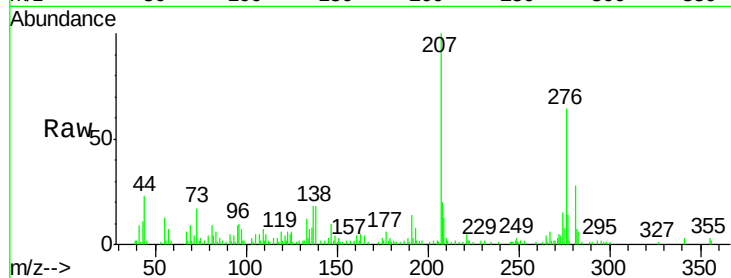
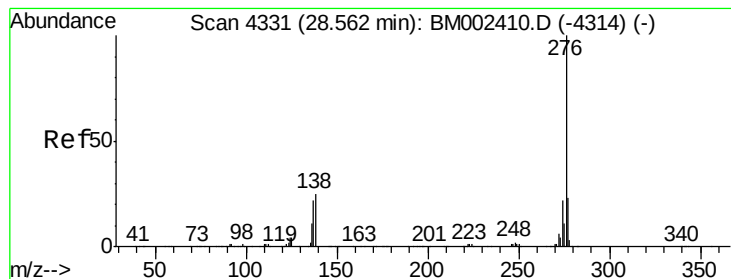


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Benzo(a,h,i)perylene

Concen: 1.81 ng/ul

RT: 28.55 min Scan# 4329

Delta R.T. -0.01 min

Lab File: BM002411.D

Acq: 15 Aug 2015 06:43

Instrument :

BNA\_M

ClientSampleId :

Tot Ion:276 Resp: 60851

Ion Ratio Lower Upper

276 100

138 27.9 21.0 31.6

277 21.5 19.2 28.8

