

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\  
 Data File : BM002413.D  
 Acq On : 15 Aug 2015 07:56  
 Operator : UM/IZ  
 Sample : G3219-22  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9DB3

Quant Time: Aug 17 02:55:44 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

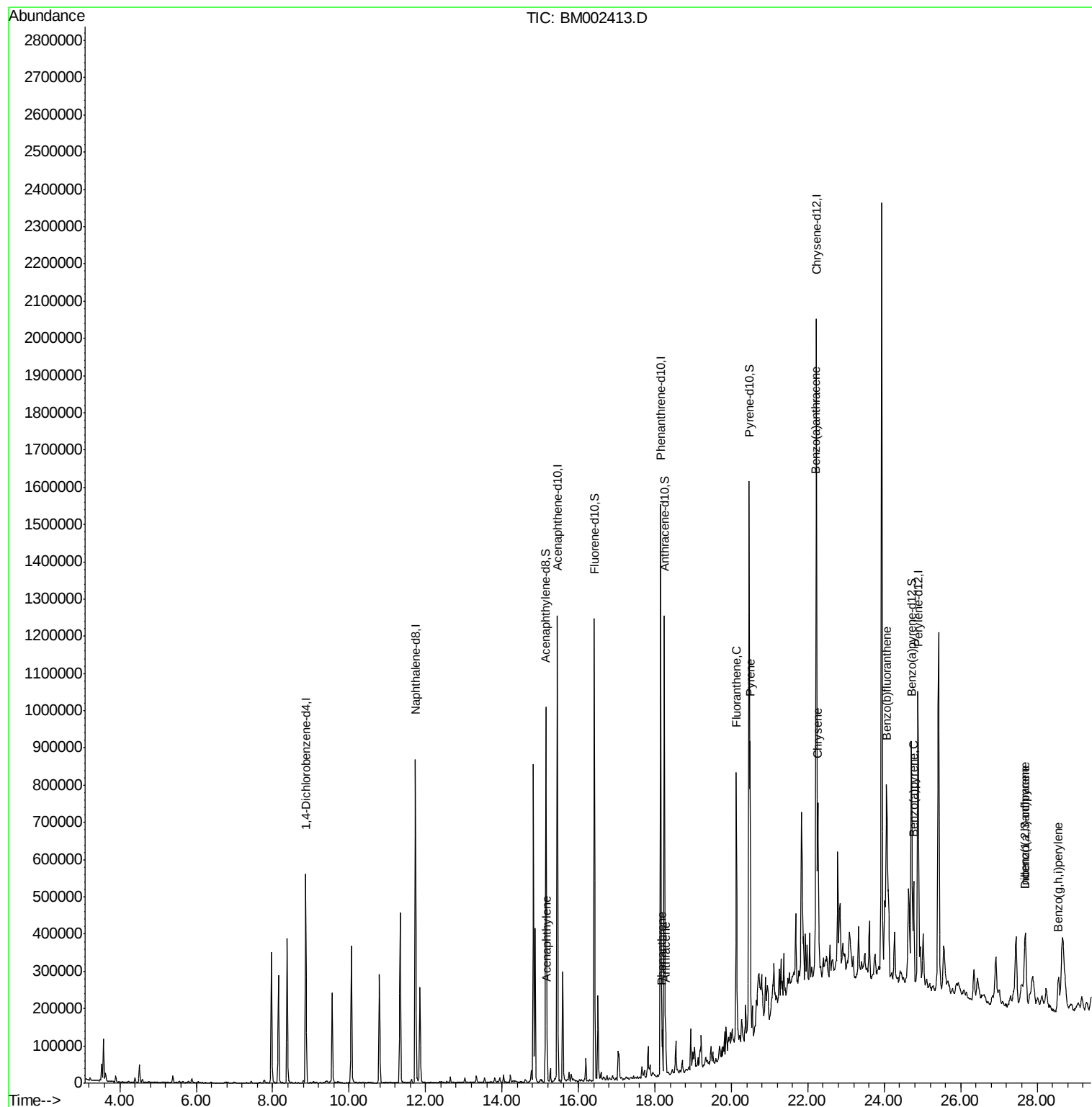
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.87  | 152  | 170932   | 20.00  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.74 | 136  | 816074   | 20.00  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 15.44 | 164  | 434629   | 20.00  | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 18.15 | 188  | 910248   | 20.00  | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 22.23 | 240  | 839576   | 20.00  | ng/ul  | 0.00     |
| 22) Perylene-d12            | 24.89 | 264  | 647747   | 20.00  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 7) Acenaphthylene-d8        | 15.15 | 160  | 757496   | 17.05  | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 16.42 | 176  | 508409   | 16.29  | ng/ul  | 0.00     |
| 14) Anthracene-d10          | 18.24 | 188  | 719884   | 16.40  | ng/ul  | 0.00     |
| 18) Pyrene-d10              | 20.46 | 212  | 740338   | 19.89  | ng/ul  | 0.00     |
| 25) Benzo(a)pyrene-d12      | 24.71 | 264  | 552132   | 16.23  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 8) Acenaphthylene           | 15.18 | 152  | 80848    | 1.74   | ng/ul  | 98       |
| 13) Phenanthrene            | 18.19 | 178  | 72285    | 1.38   | ng/ul  | 99       |
| 15) Anthracene              | 18.28 | 178  | 72910    | 1.37   | ng/ul  | 99       |
| 16) Fluoranthene            | 20.13 | 202  | 440162   | 7.40   | ng/ul  | 98       |
| 19) Pyrene                  | 20.49 | 202  | 427062   | 8.68   | ng/ul  | 100      |
| 20) Benzo(a)anthracene      | 22.21 | 228  | 321715   | 6.41   | ng/ul  | 98       |
| 21) Chrysene                | 22.27 | 228  | 300945   | 6.41   | ng/ul  | 96       |
| 23) Benzo(b)fluoranthene    | 24.06 | 252  | 444596   | 11.35  | ng/ul  | 96       |
| 26) Benzo(a)pyrene          | 24.77 | 252  | 210412   | 5.63   | ng/ul  | 98       |
| 27) Indeno(1,2,3-cd)pyrene  | 27.69 | 276  | 153446   | 3.57   | ng/ul  | 94       |
| 28) Dibenzo(a,h)anthracene  | 27.68 | 278  | 41751    | 1.16   | ng/ul# | 87       |
| 29) Benzo(g,h,i)perylene    | 28.56 | 276  | 124223   | 3.47   | ng/ul  | 96       |

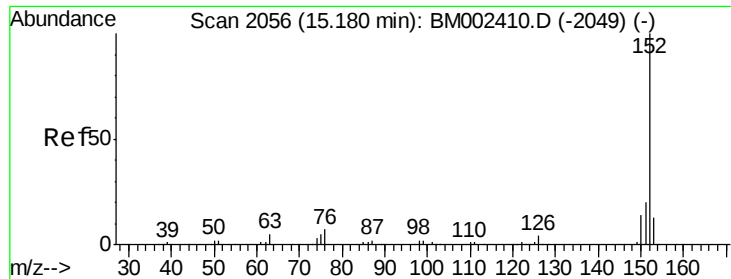
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 17 02:54:04 2015  
Response via : Initial Calibration





#8

Acenaphthylene

Concen: 1.74 ng/ul

RT: 15.18 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BM002413.D

Acq: 15 Aug 2015 07:56

Instrument :

BNA\_M

ClientSampleId :

D9DB3

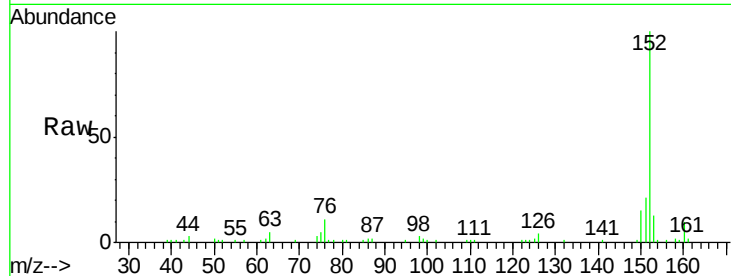
Tot Ion:152 Resp: 80848

Ion Ratio Lower Upper

152 100

151 20.5 15.7 23.5

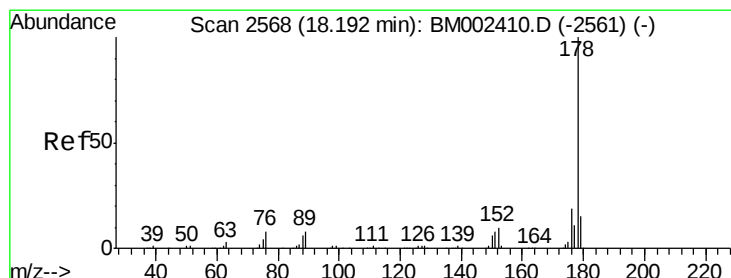
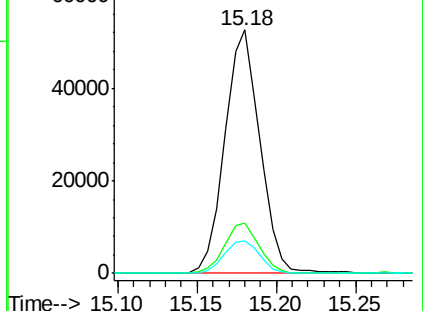
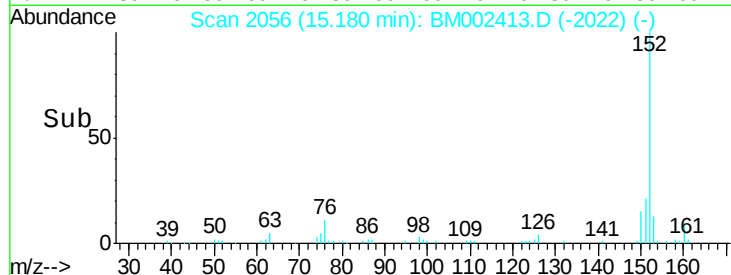
153 13.1 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#13

Phenanthrene

Concen: 1.38 ng/ul

RT: 18.19 min Scan# 2568

Delta R.T. -0.00 min

Lab File: BM002413.D

Acq: 15 Aug 2015 07:56

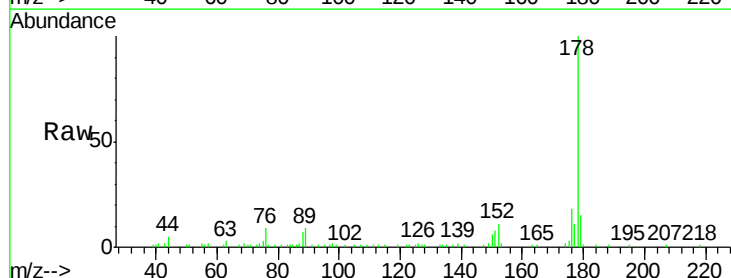
Tgt Ion:178 Resp: 72285

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

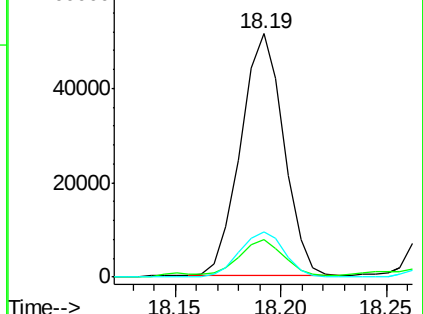
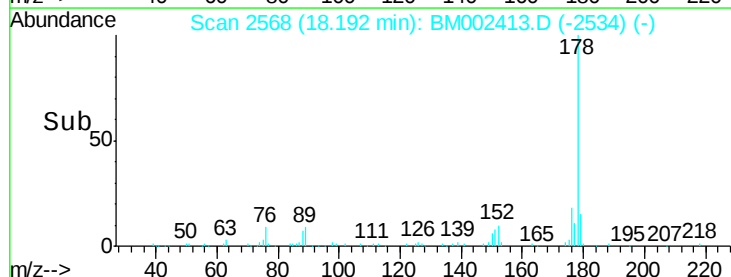
176 18.4 15.1 22.7

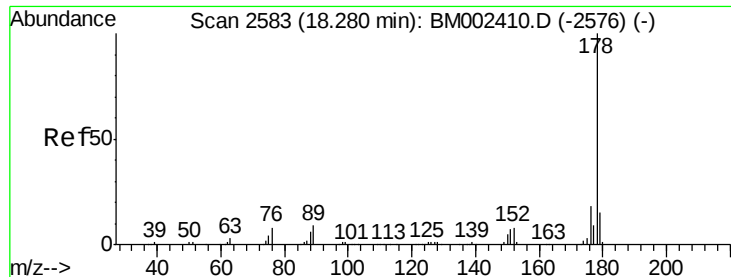


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Anthracene

Concen: 1.37 ng/ul

RT: 18.28 min Scan# 2583

Delta R.T. -0.00 min

Lab File: BM002413.D

Acq: 15 Aug 2015 07:56

Instrument :

BNA\_M

ClientSampleId :

D9DB3

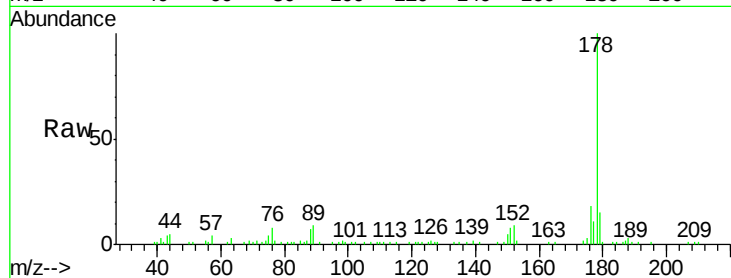
Tot Ion:178 Resp: 72910

Ion Ratio Lower Upper

178 100

179 15.2 12.6 18.8

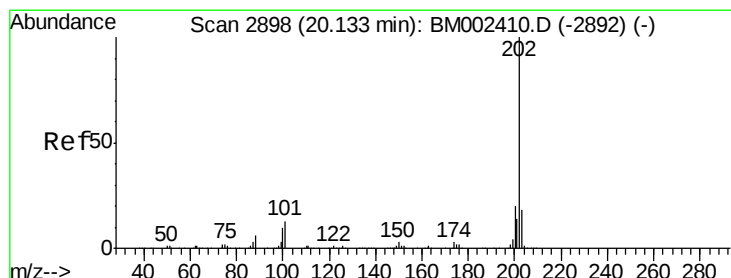
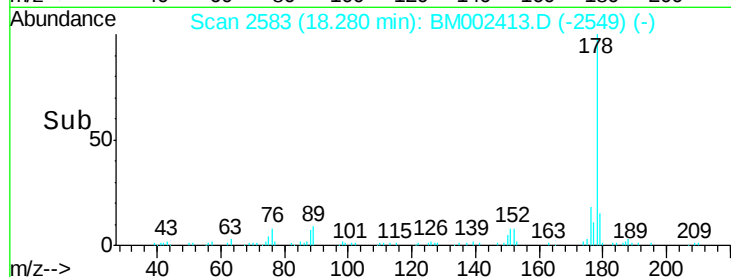
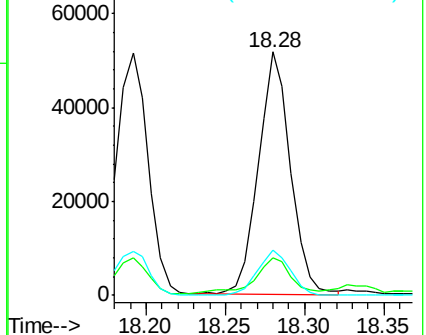
176 18.3 14.5 21.7



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: 7.40 ng/ul

RT: 20.13 min Scan# 2898

Delta R.T. -0.00 min

Lab File: BM002413.D

Acq: 15 Aug 2015 07:56

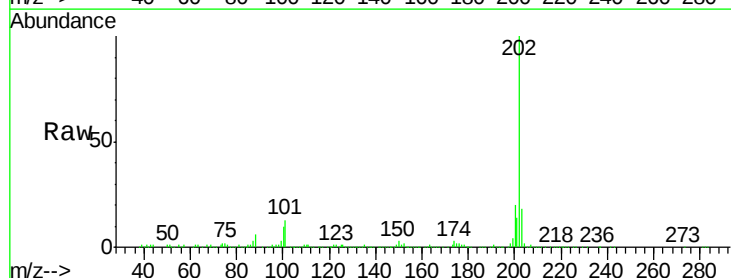
Tgt Ion:202 Resp: 440162

Ion Ratio Lower Upper

202 100

101 13.0 9.7 14.5

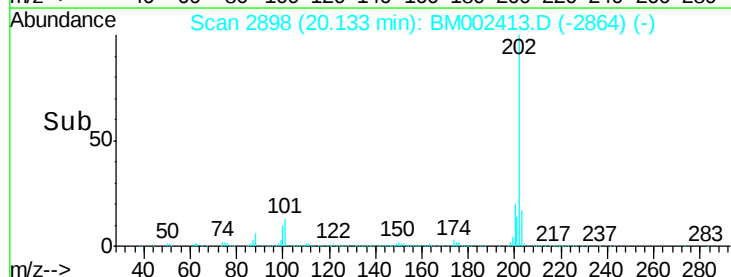
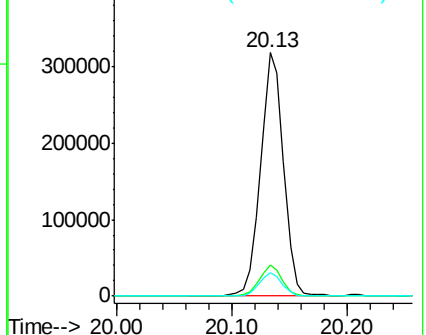
100 9.6 7.4 11.2

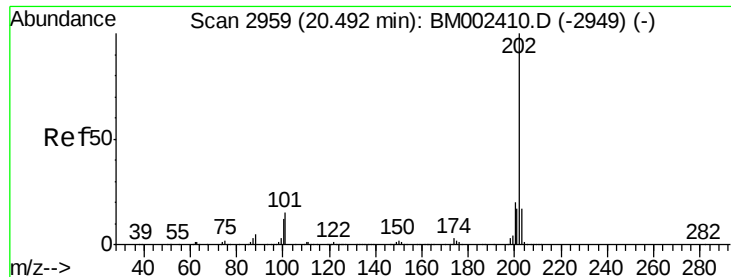


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pvrene

Concen: 8.68 ng/ul

RT: 20.49 min Scan# 2959

Delta R.T. -0.00 min

Lab File: BM002413.D

Acq: 15 Aug 2015 07:56

Instrument :

BNA\_M

ClientSampleId :

D9DB3

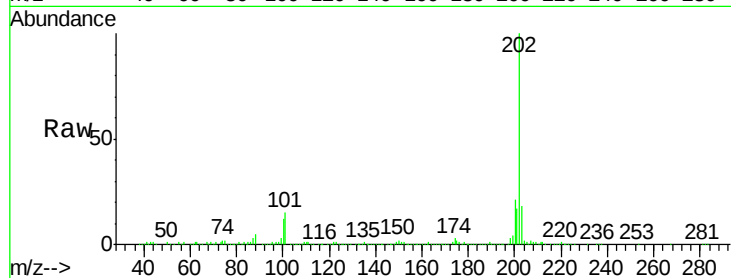
Tot Ion:202 Resp: 427062

Ion Ratio Lower Upper

202 100

101 14.8 12.0 18.0

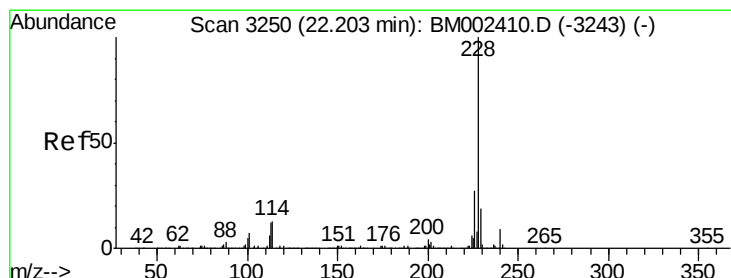
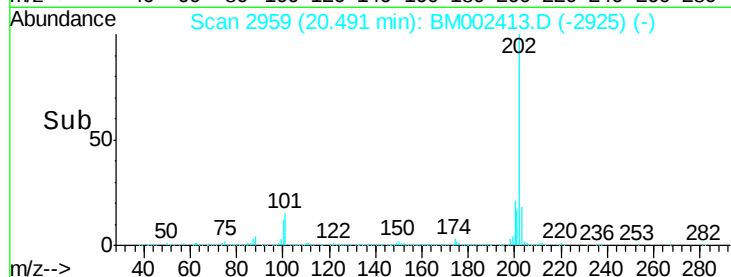
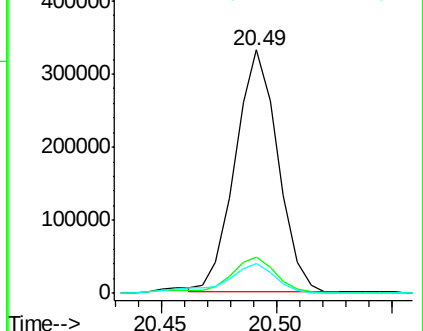
100 12.1 9.7 14.5



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: 6.41 ng/ul

RT: 22.21 min Scan# 3251

Delta R.T. 0.01 min

Lab File: BM002413.D

Acq: 15 Aug 2015 07:56

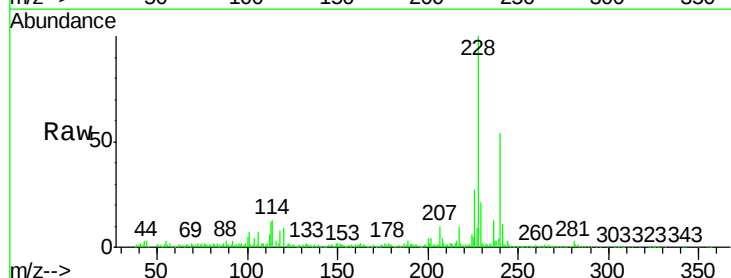
Tgt Ion:228 Resp: 321715

Ion Ratio Lower Upper

228 100

229 21.4 15.8 23.6

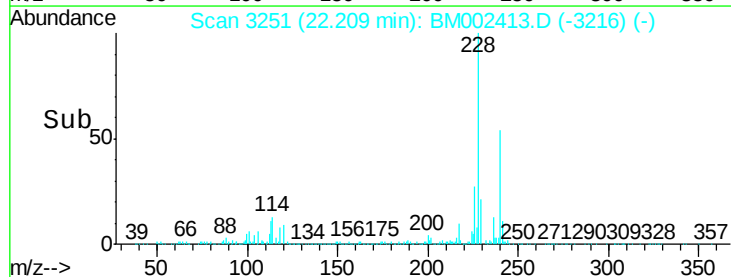
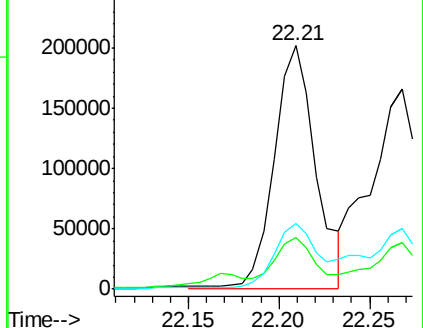
226 27.2 21.1 31.7

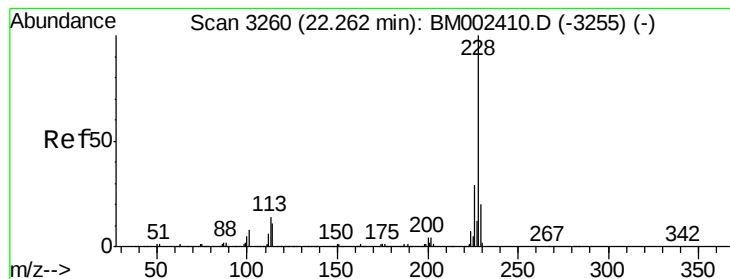


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 6.41 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. 0.01 min

Lab File: BM002413.D

Acq: 15 Aug 2015 07:56

Instrument :

BNA\_M

ClientSampled :

D9DB3

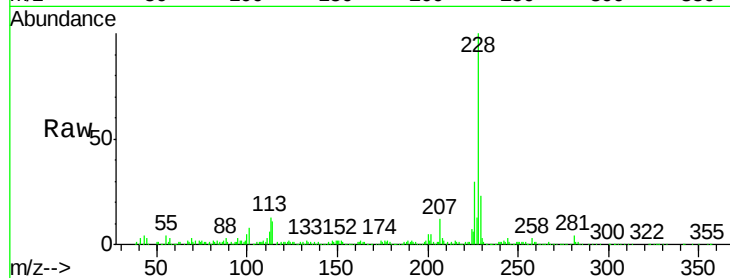
Tot Ion:228 Resp: 300945

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.2

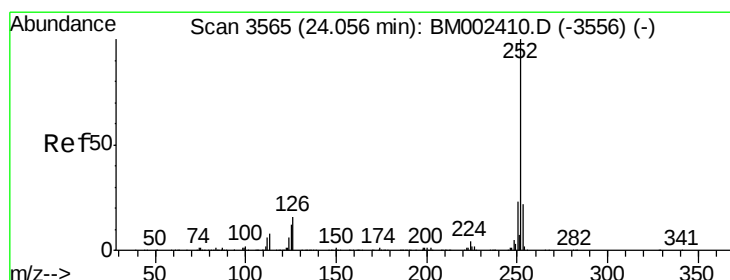
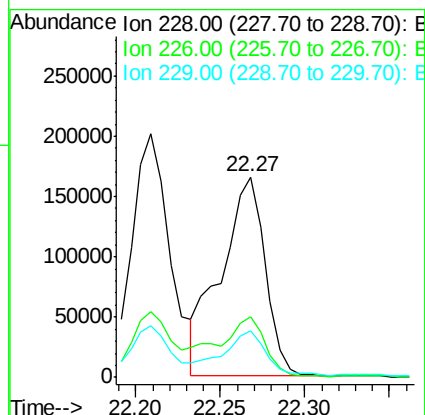
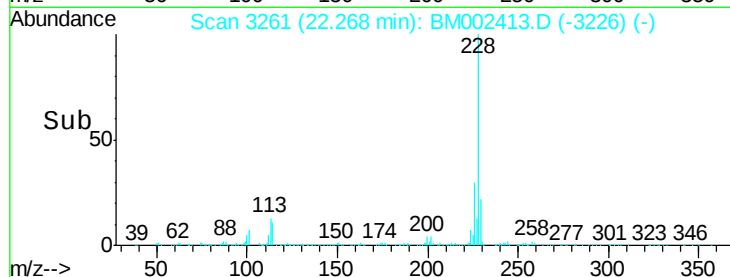
229 23.2 15.7 23.5



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: 11.35 ng/ul

RT: 24.06 min Scan# 3566

Delta R.T. 0.01 min

Lab File: BM002413.D

Acq: 15 Aug 2015 07:56

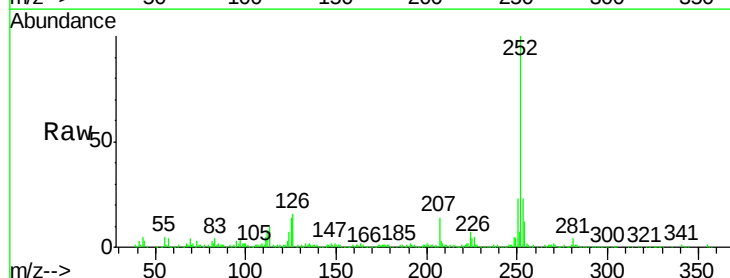
Tgt Ion:252 Resp: 444596

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

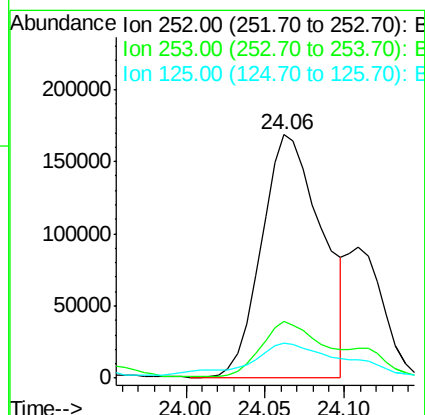
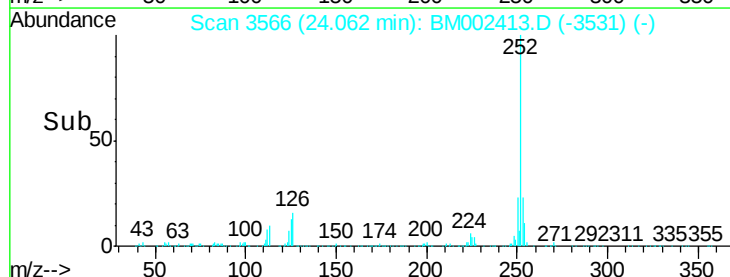
125 14.4 10.0 15.0

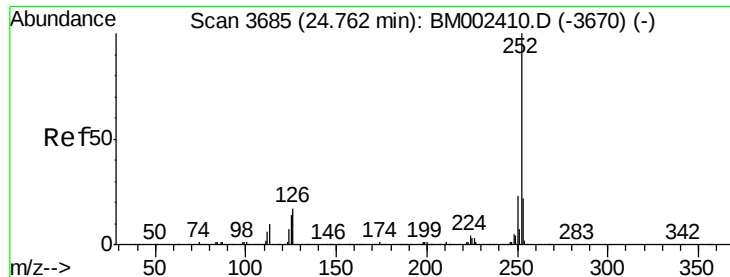


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 5.63 ng/ul

RT: 24.77 min Scan# 3686

Delta R.T. 0.01 min

Lab File: BM002413.D

Acq: 15 Aug 2015 07:56

Instrument :

BNA\_M

ClientSampleId :

D9DB3

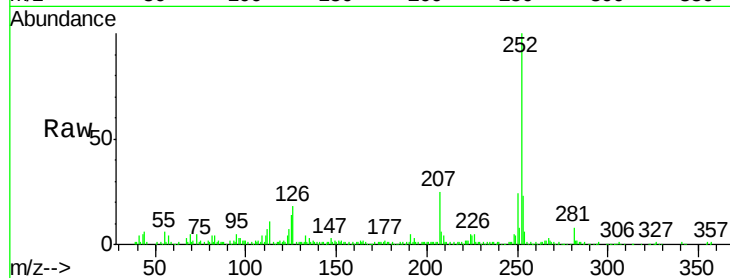
Tot Ion:252 Resp: 210412

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

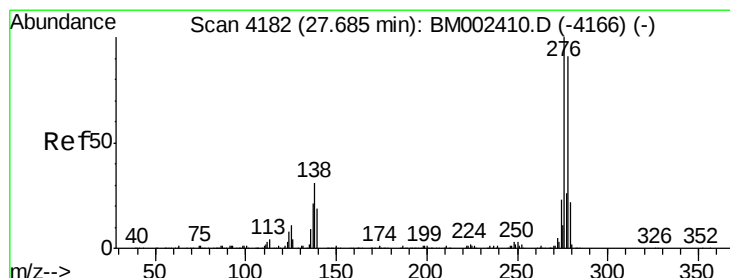
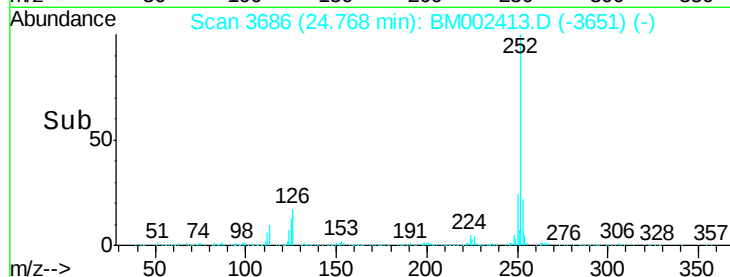
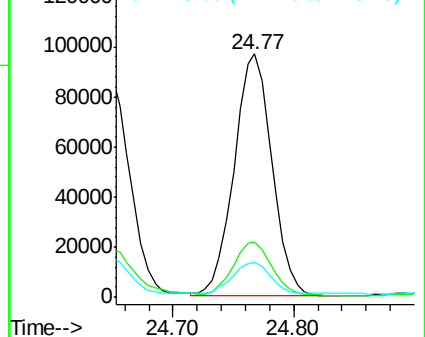
125 14.3 10.7 16.1



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: 3.57 ng/ul

RT: 27.69 min Scan# 4182

Delta R.T. -0.00 min

Lab File: BM002413.D

Acq: 15 Aug 2015 07:56

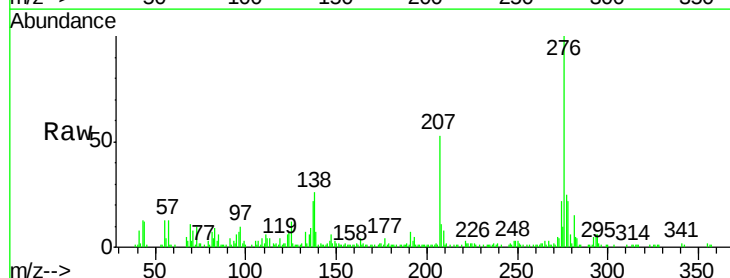
Tgt Ion:276 Resp: 153446

Ion Ratio Lower Upper

276 100

138 25.7 25.3 37.9

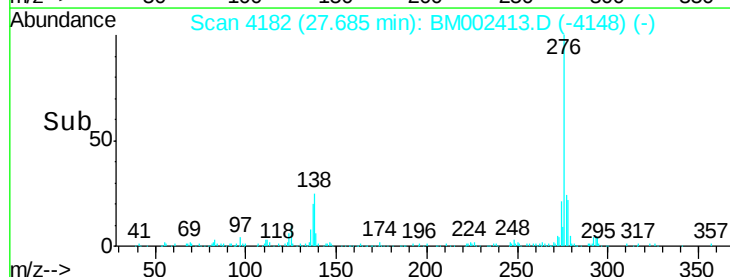
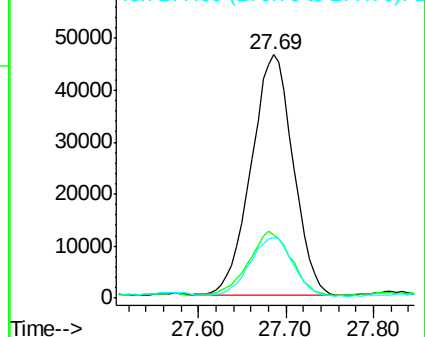
277 24.9 20.2 30.2

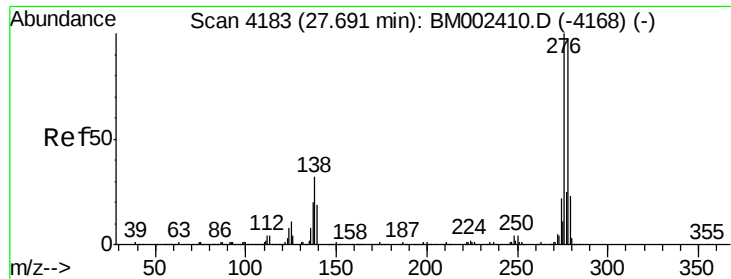


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

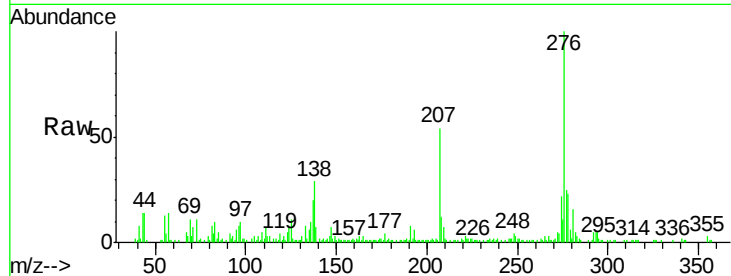




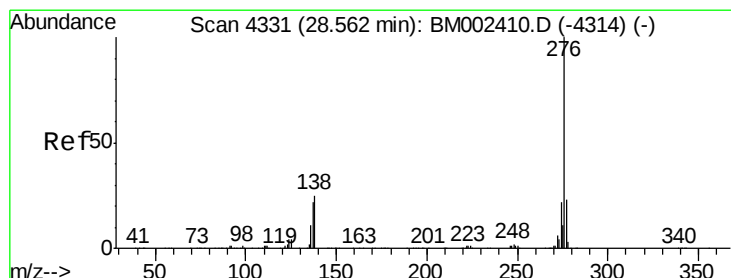
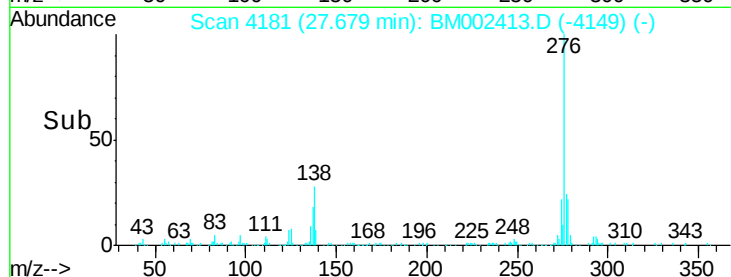
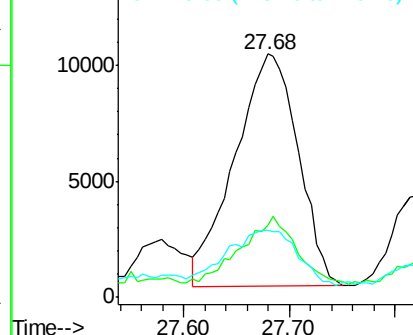
#28  
Dibenzo(a,h)anthracene  
Concen: 1.16 ng/ul  
RT: 27.68 min Scan# 4181  
Delta R.T. -0.01 min  
Lab File: BM002413.D  
Acq: 15 Aug 2015 07:56

Instrument :  
BNA\_M  
ClientSampleId :  
D9DB3

Tot Ion:278 Resp: 41751  
Ion Ratio Lower Upper  
278 100  
139 29.5 16.5 24.7#  
279 27.6 18.8 28.2

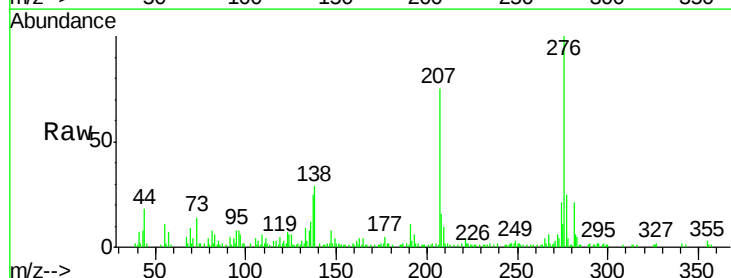


Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#29  
Benzo(g,h,i)perylene  
Concen: 3.47 ng/ul  
RT: 28.56 min Scan# 4330  
Delta R.T. -0.01 min  
Lab File: BM002413.D  
Acq: 15 Aug 2015 07:56

Tgt Ion:276 Resp: 124223  
Ion Ratio Lower Upper  
276 100  
138 29.5 21.0 31.6  
277 25.2 19.2 28.8



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

