

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081315\  
 Data File : BM002392.D  
 Acq On : 13 Aug 2015 11:12  
 Operator : UM/IZ  
 Sample : G3194-11  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DFTPP97

Quant Time: Aug 14 02:02:44 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Aug 14 02:01:37 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.90  | 152  | 241133   | 20.00 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 11.77 | 136  | 1087373  | 20.00 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 15.49 | 164  | 545998   | 20.00 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 18.20 | 188  | 970406   | 20.00 | ng/ul | 0.00     |
| 17) Chrysene-d12          | 22.29 | 240  | 674918   | 20.00 | ng/ul | 0.00     |
| 22) Perylene-d12          | 24.99 | 264  | 652513   | 20.00 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 7) Acenaphthylene-d8        | 15.19 | 160  | 1078060  | 19.06 | ng/ul | 0.00     |
| 10) Fluorene-d10            | 16.46 | 176  | 699828   | 17.79 | ng/ul | 0.00     |
| 14) Anthracene-d10          | 18.29 | 188  | 895680   | 19.02 | ng/ul | 0.00     |
| 18) Pyrene-d10              | 20.52 | 212  | 726200   | 22.19 | ng/ul | 0.00     |
| 25) Benzo(a)pyrene-d12      | 24.81 | 264  | 551513   | 15.92 | ng/ul | 0.00     |

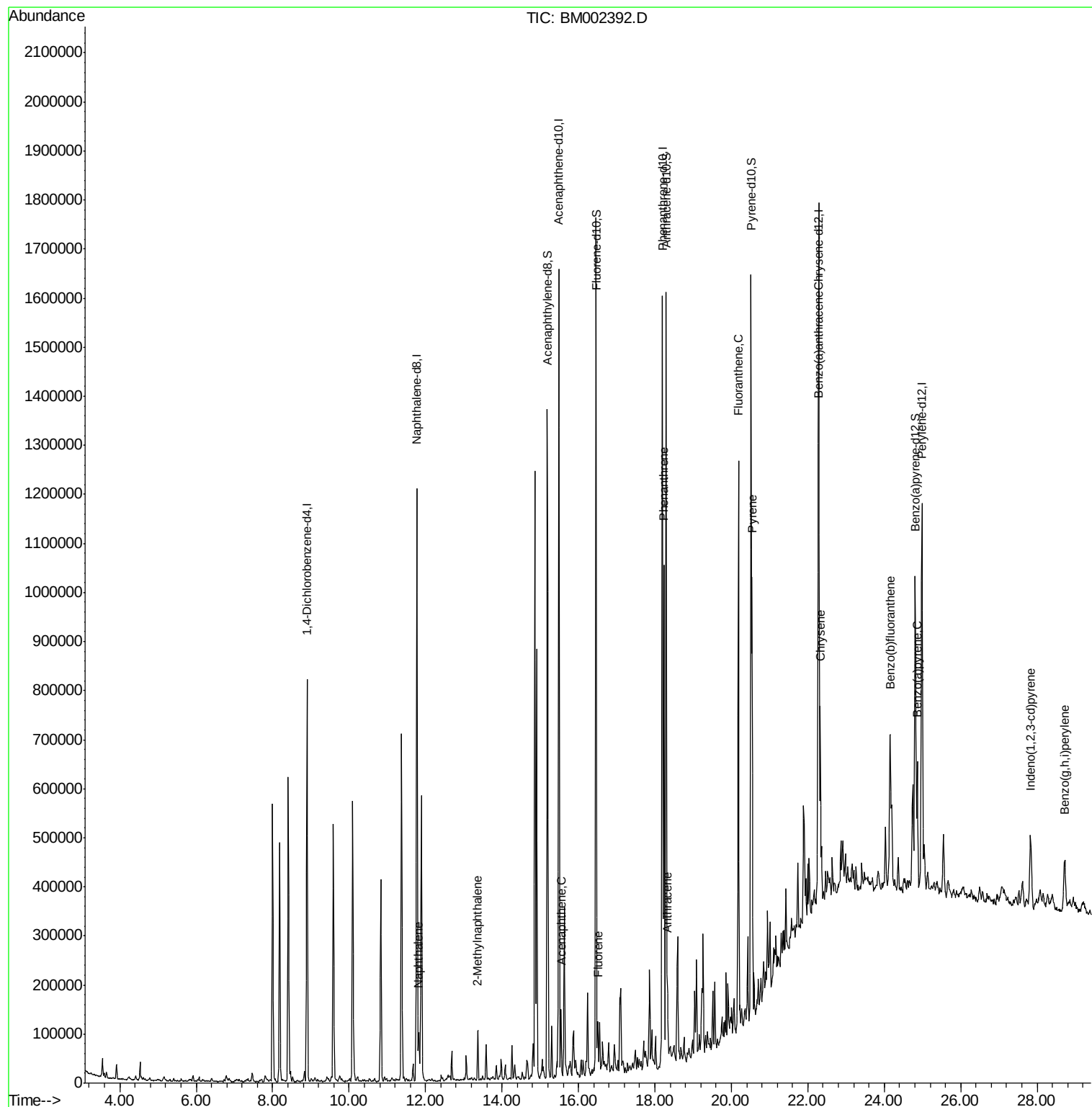
| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 3) Naphthalene             | 11.82 | 128  | 89321    | 1.56  | ng/ul  | 99     |
| 4) 2-Methylnaphthalene     | 13.36 | 142  | 51861    | 1.27  | ng/ul  | 97     |
| 9) Acenaphthene            | 15.55 | 153  | 53868    | 1.36  | ng/ul  | 95     |
| 11) Fluorene               | 16.51 | 166  | 48164    | 1.08  | ng/ul# | 97     |
| 13) Phenanthrene           | 18.24 | 178  | 640312   | 11.46 | ng/ul  | 99     |
| 15) Anthracene             | 18.33 | 178  | 104871   | 1.82  | ng/ul  | 100    |
| 16) Fluoranthene           | 20.19 | 202  | 689791   | 11.15 | ng/ul  | 97     |
| 19) Pyrene                 | 20.54 | 202  | 506284   | 11.60 | ng/ul  | 97     |
| 20) Benzo(a)anthracene     | 22.27 | 228  | 244822   | 5.94  | ng/ul  | 99     |
| 21) Chrysene               | 22.33 | 228  | 247307   | 6.33  | ng/ul  | 97     |
| 23) Benzo(b)fluoranthene   | 24.15 | 252  | 320774   | 7.91  | ng/ul  | 96     |
| 26) Benzo(a)pyrene         | 24.87 | 252  | 207739   | 5.35  | ng/ul  | 97     |
| 27) Indeno(1,2,3-cd)pyrene | 27.83 | 276  | 153131   | 3.44  | ng/ul  | 94     |
| 29) Benzo(g,h,i)perylene   | 28.72 | 276  | 141030   | 3.76  | ng/ul  | 96     |

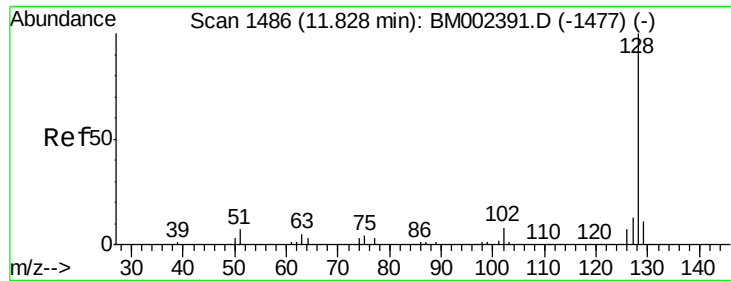
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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DFTPP97

Quant Time: Aug 14 02:02:44 2015  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Aug 14 02:01:37 2015  
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.56 ng/ul

RT: 11.82 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BM002392.D

Acq: 13 Aug 2015 11:12

Instrument :

BNA\_M

ClientSampleId :

DFTPP97

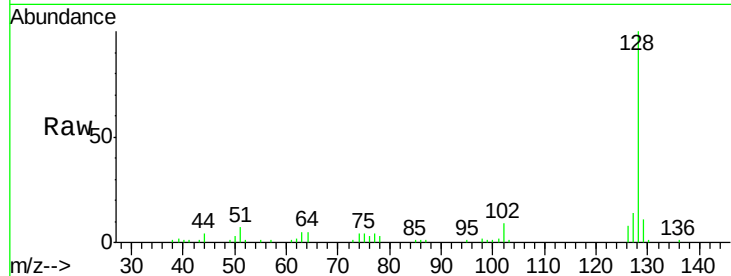
Tgt Ion:128 Resp: 89321

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

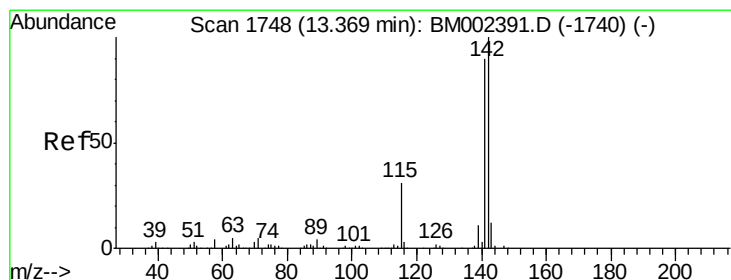
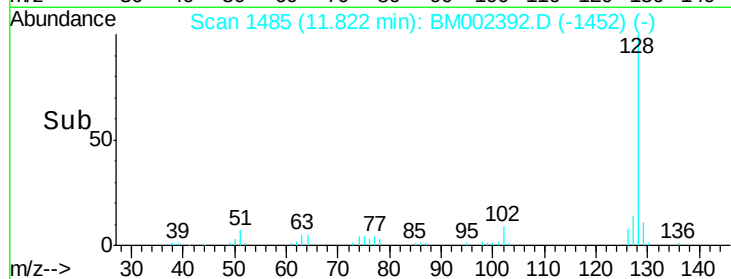
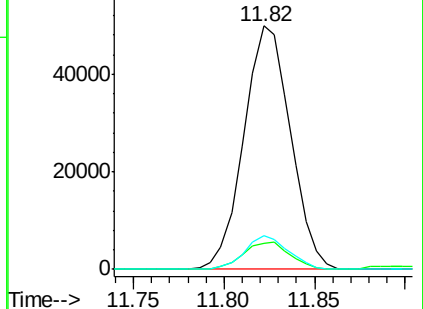
127 13.8 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#4

2-Methylnaphthalene

Concen: 1.27 ng/ul

RT: 13.36 min Scan# 1747

Delta R.T. -0.01 min

Lab File: BM002392.D

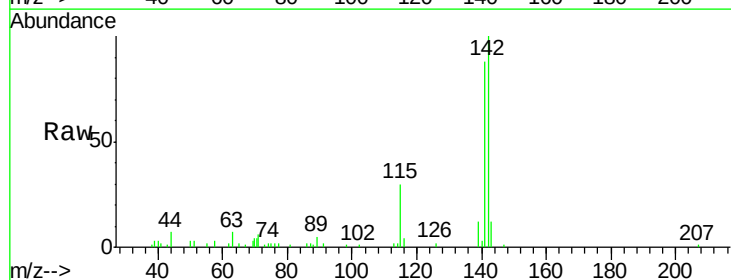
Acq: 13 Aug 2015 11:12

Tgt Ion:142 Resp: 51861

Ion Ratio Lower Upper

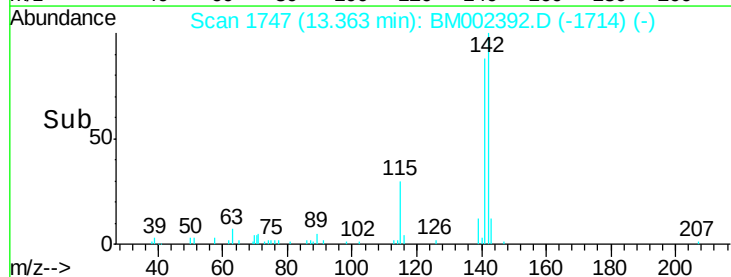
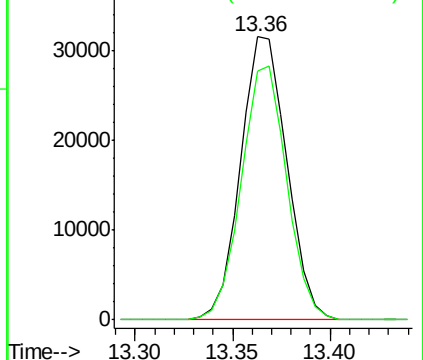
142 100

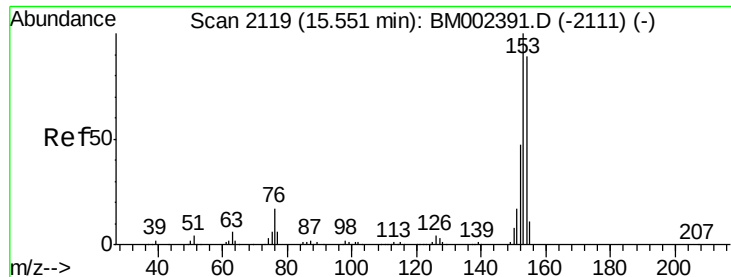
141 87.7 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthene

Concen: 1.36 ng/ul

RT: 15.55 min Scan# 2118

Delta R.T. -0.01 min

Lab File: BM002392.D

Acq: 13 Aug 2015 11:12

Instrument :

BNA\_M

ClientSampleId :

DFTPP97

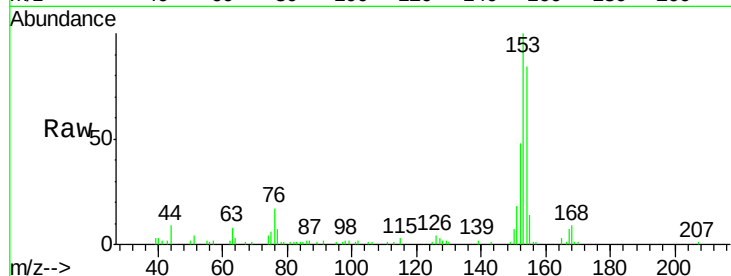
Tgt Ion:153 Resp: 53868

Ion Ratio Lower Upper

153 100

152 48.2 36.6 55.0

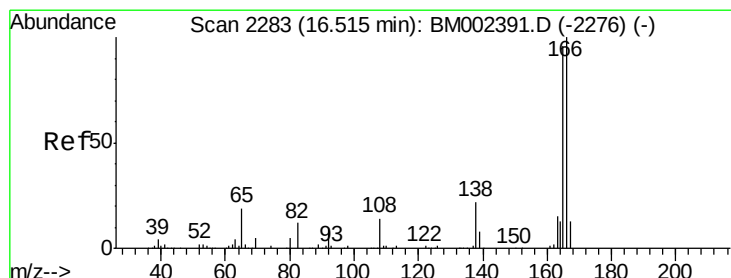
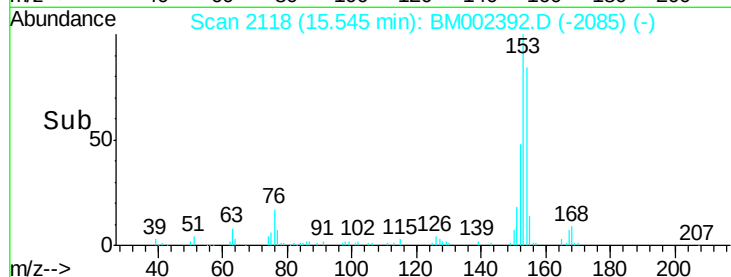
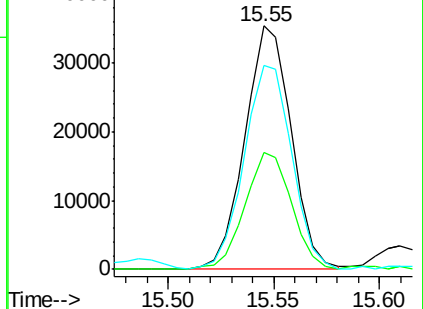
154 83.9 71.5 107.3



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#11

Fluorene

Concen: 1.08 ng/ul

RT: 16.51 min Scan# 2282

Delta R.T. -0.01 min

Lab File: BM002392.D

Acq: 13 Aug 2015 11:12

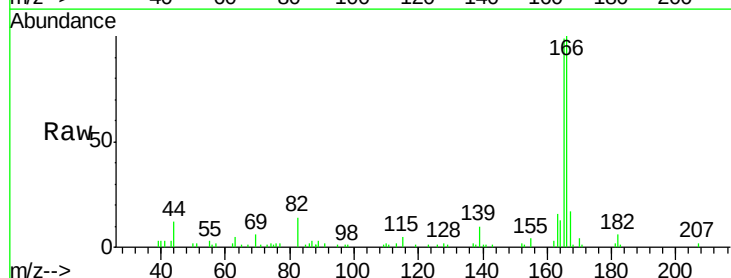
Tgt Ion:166 Resp: 48164

Ion Ratio Lower Upper

166 100

165 99.5 77.5 116.3

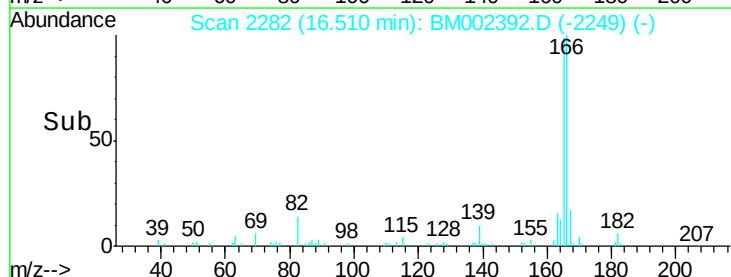
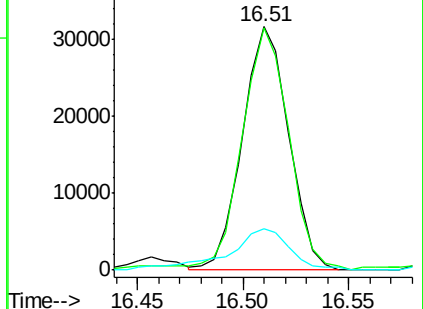
167 16.8 10.4 15.6#

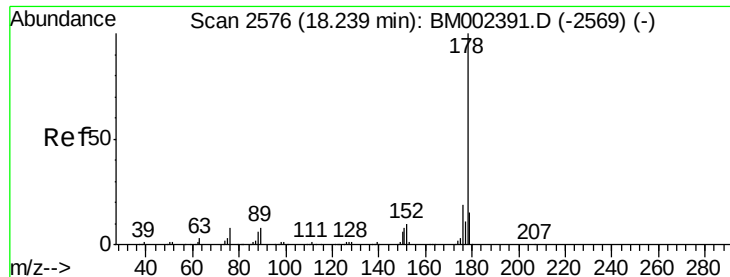


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 11.46 ng/ul

RT: 18.24 min Scan# 2576

Delta R.T. 0.00 min

Lab File: BM002392.D

Acq: 13 Aug 2015 11:12

Instrument :

BNA\_M

ClientSampleId :

DFTPP97

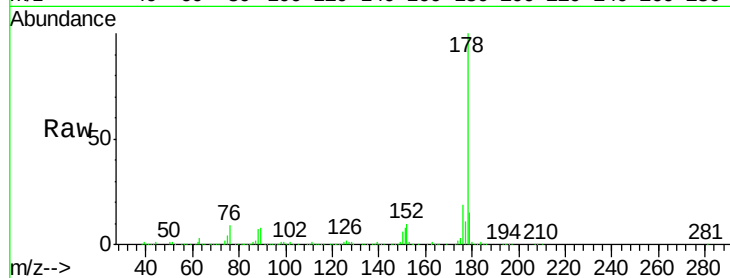
Tgt Ion:178 Resp: 640312

Ion Ratio Lower Upper

178 100

179 15.0 12.3 18.5

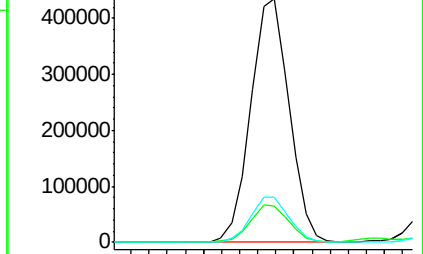
176 18.8 15.3 22.9



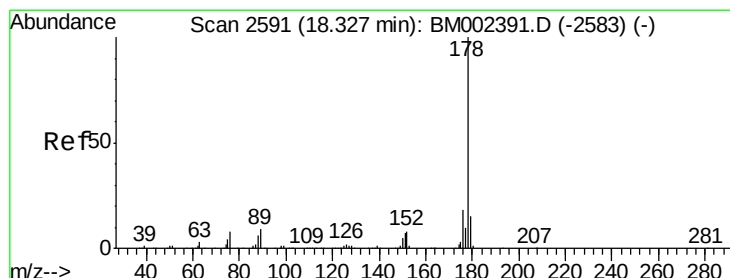
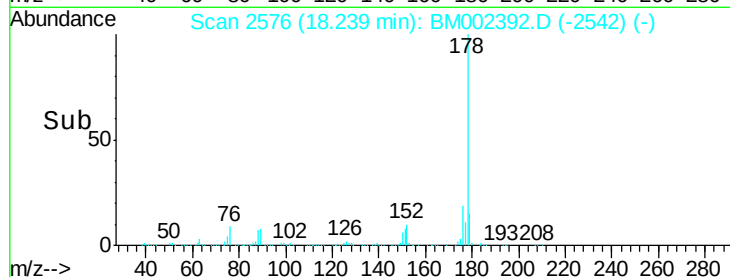
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#15

Anthracene

Concen: 1.82 ng/ul

RT: 18.33 min Scan# 2591

Delta R.T. 0.00 min

Lab File: BM002392.D

Acq: 13 Aug 2015 11:12

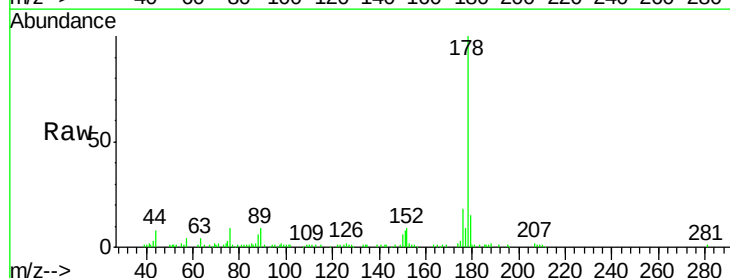
Tgt Ion:178 Resp: 104871

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

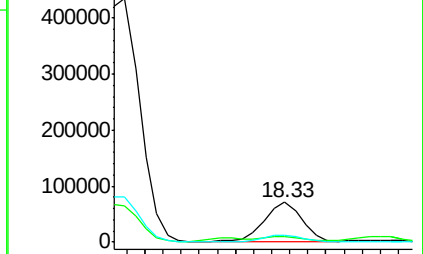
176 18.2 14.5 21.7



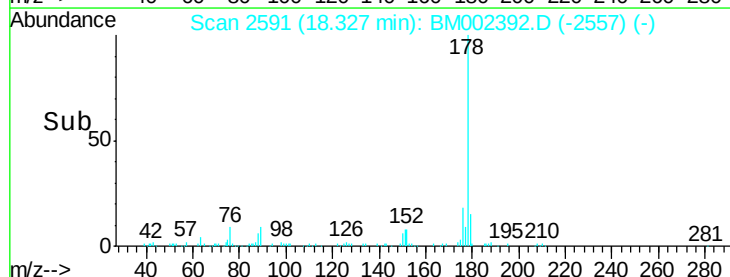
Abundance Ion 178.00 (177.70 to 178.70): E

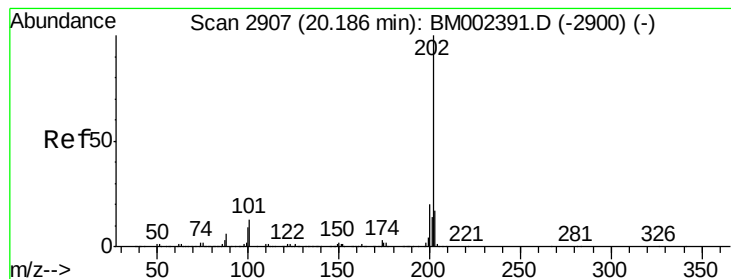
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#16

Fluoranthene

Concen: 11.15 ng/ul

RT: 20.19 min Scan# 2907

Delta R.T. 0.00 min

Lab File: BM002392.D

Acq: 13 Aug 2015 11:12

Instrument :

BNA\_M

ClientSampleId :

DFTPP97

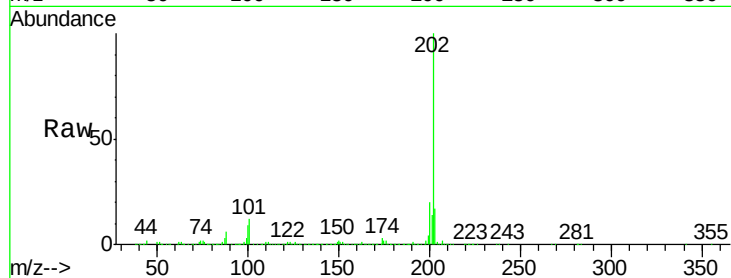
Tgt Ion:202 Resp: 689791

Ion Ratio Lower Upper

202 100

101 12.2 10.6 15.8

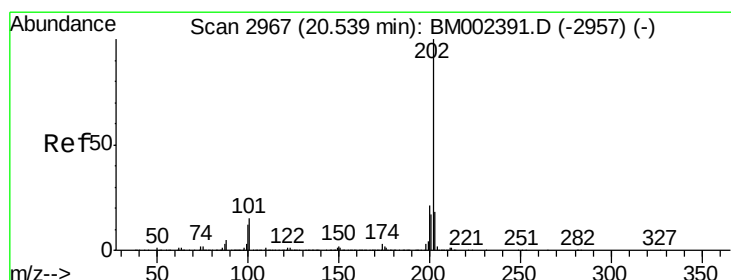
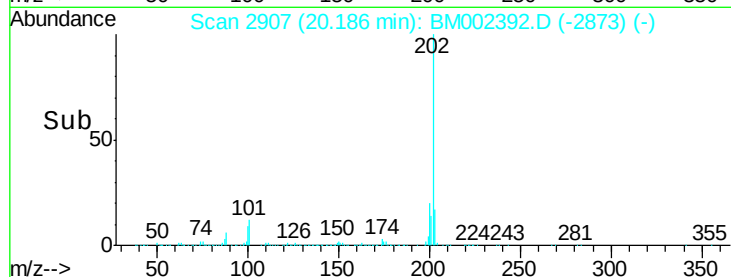
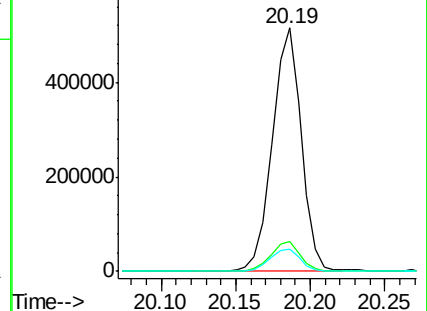
100 9.1 8.2 12.4



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: 11.60 ng/ul

RT: 20.54 min Scan# 2967

Delta R.T. 0.00 min

Lab File: BM002392.D

Acq: 13 Aug 2015 11:12

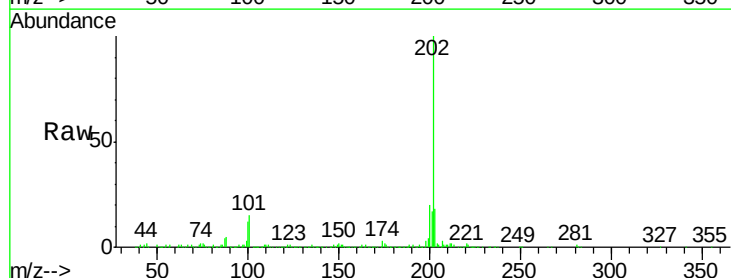
Tgt Ion:202 Resp: 506284

Ion Ratio Lower Upper

202 100

101 15.1 13.0 19.6

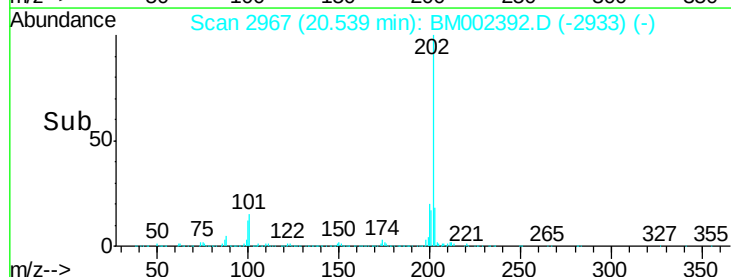
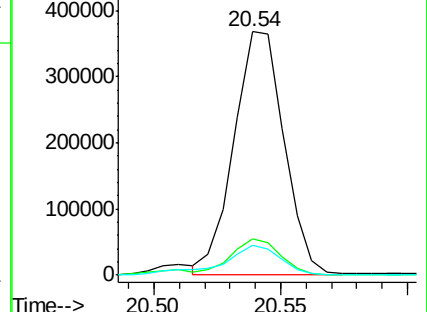
100 12.2 11.0 16.4

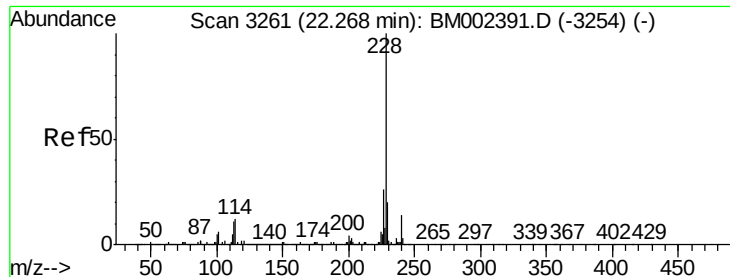


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 5.94 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. 0.00 min

Lab File: BM002392.D

Acq: 13 Aug 2015 11:12

Instrument :

BNA\_M

ClientSampleId :

DFTPP97

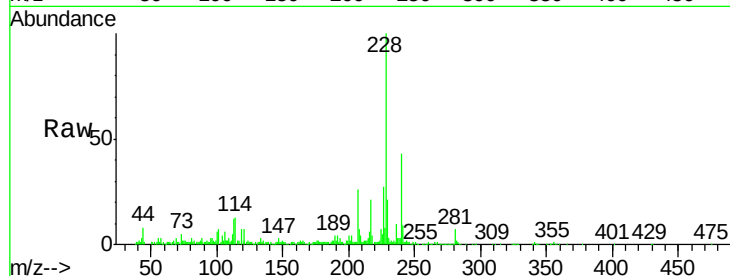
Tgt Ion:228 Resp: 244822

Ion Ratio Lower Upper

228 100

229 20.5 15.7 23.5

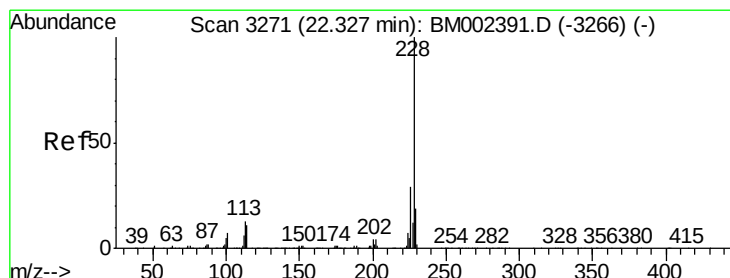
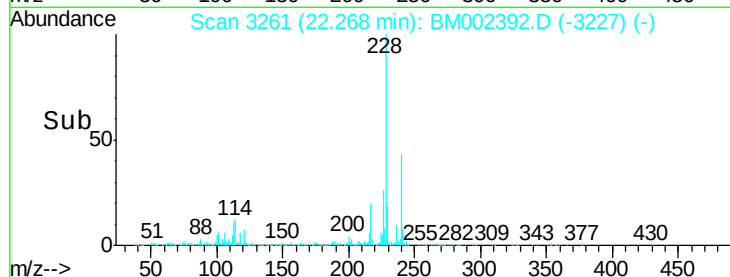
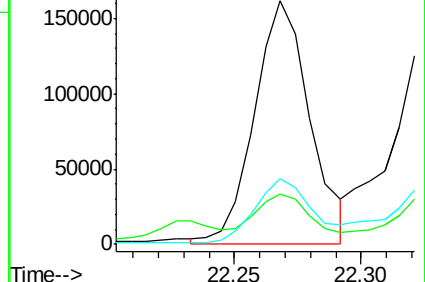
226 26.9 21.4 32.0



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: 6.33 ng/ul

RT: 22.33 min Scan# 3271

Delta R.T. 0.00 min

Lab File: BM002392.D

Acq: 13 Aug 2015 11:12

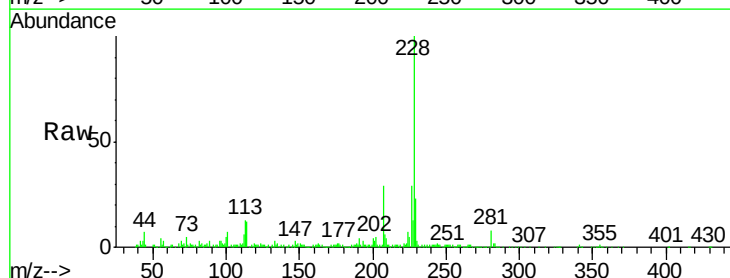
Tgt Ion:228 Resp: 247307

Ion Ratio Lower Upper

228 100

226 29.2 23.4 35.0

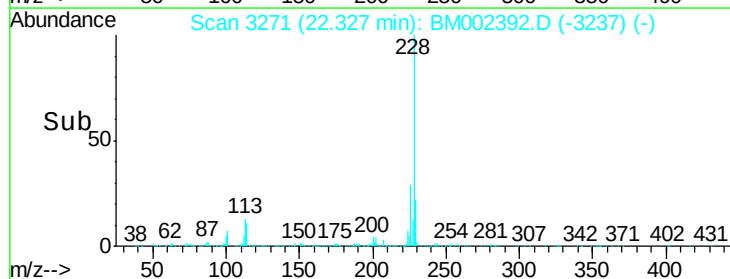
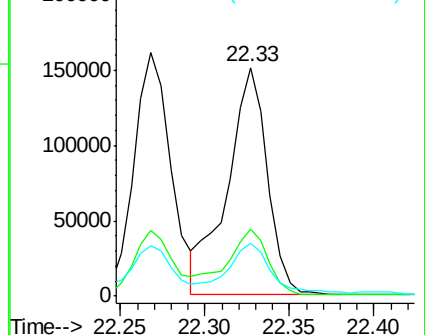
229 23.1 15.5 23.3

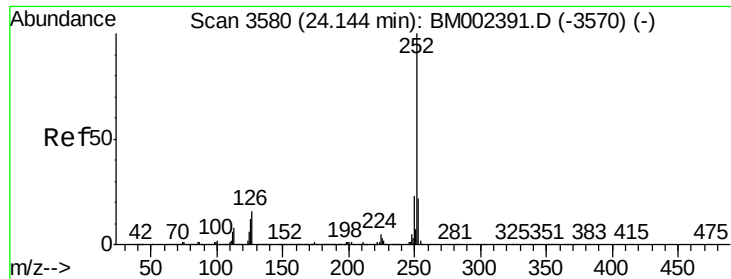


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 7.91 ng/ul

RT: 24.15 min Scan# 3581

Delta R.T. 0.01 min

Lab File: BM002392.D

Acq: 13 Aug 2015 11:12

Instrument :

BNA\_M

ClientSampleId :

DFTPP97

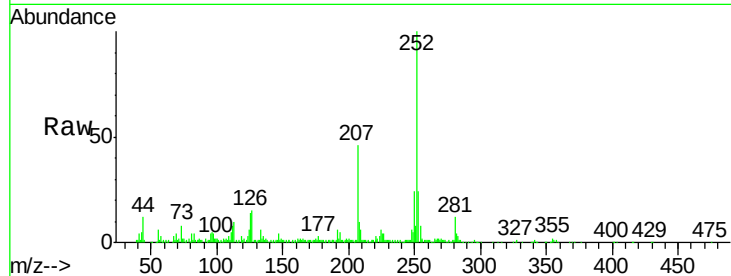
Tgt Ion:252 Resp: 320774

Ion Ratio Lower Upper

252 100

253 24.4 17.9 26.9

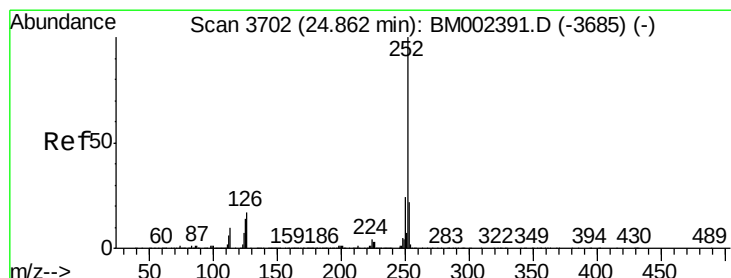
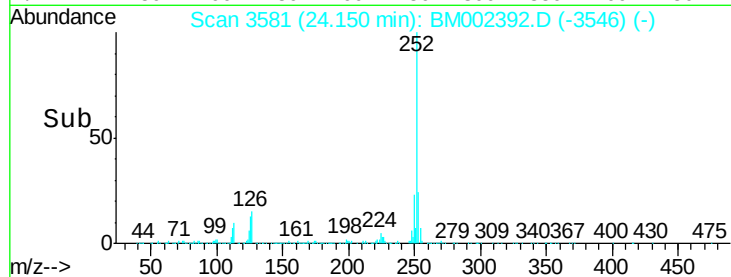
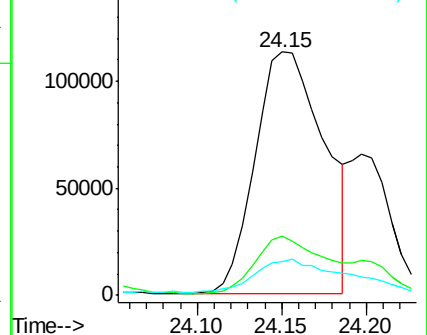
125 13.9 10.3 15.5



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: 5.35 ng/ul

RT: 24.87 min Scan# 3703

Delta R.T. 0.01 min

Lab File: BM002392.D

Acq: 13 Aug 2015 11:12

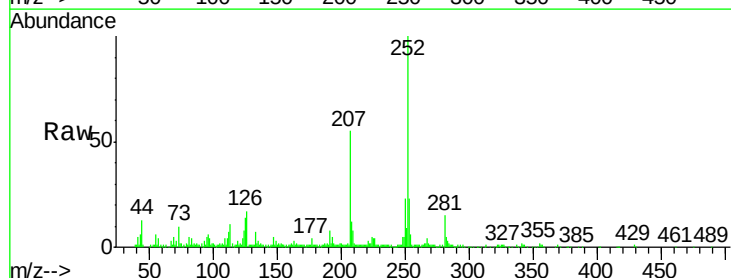
Tgt Ion:252 Resp: 207739

Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

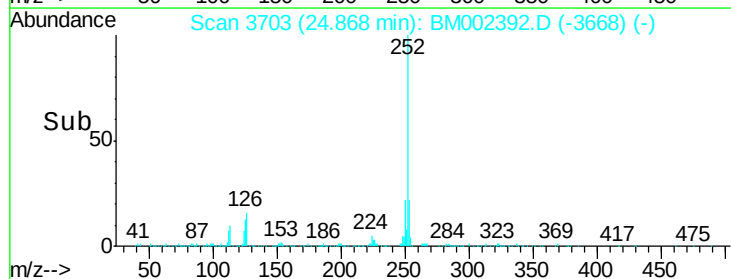
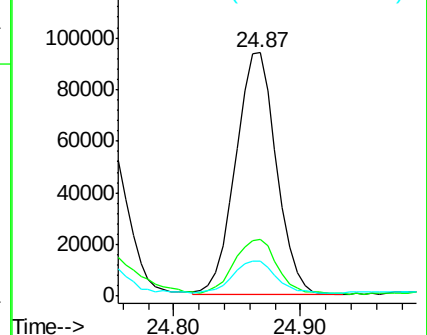
125 14.1 11.0 16.6



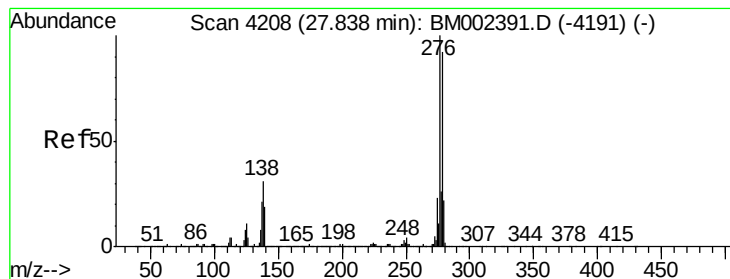
Abundance Ion 252.00 (251.70 to 252.70): E

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: 3.44 ng/ul

RT: 27.83 min Scan# 4206

Delta R.T. -0.01 min

Lab File: BM002392.D

Acq: 13 Aug 2015 11:12

Instrument :

BNA\_M

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DFTPP97

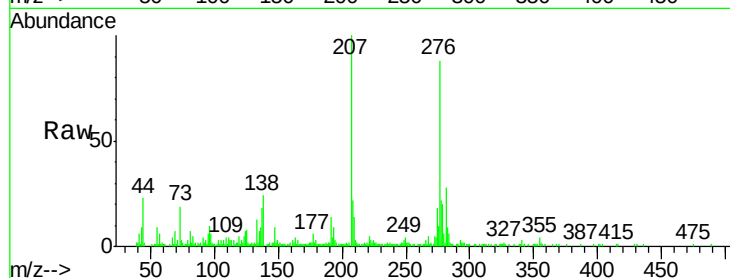
Tgt Ion:276 Resp: 153131

Ion Ratio Lower Upper

276 100

138 27.1 25.6 38.4

277 24.8 21.0 31.4

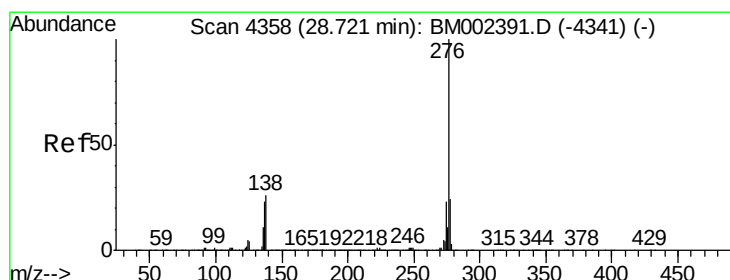
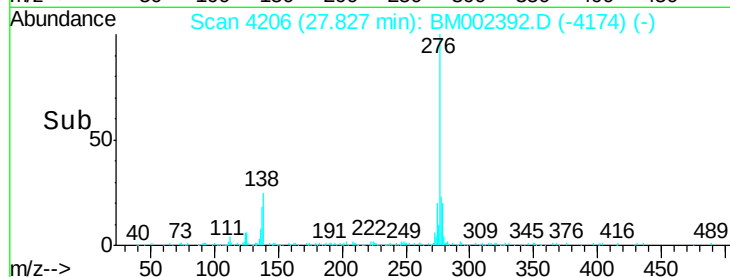
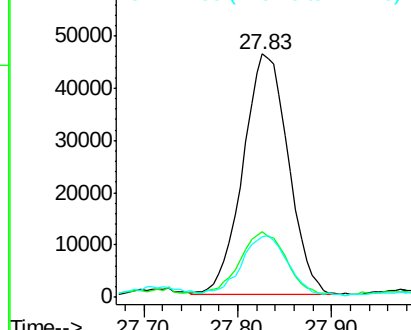


Abundance

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(g,h,i)perylene

Concen: 3.76 ng/ul

RT: 28.72 min Scan# 4358

Delta R.T. 0.00 min

Lab File: BM002392.D

Acq: 13 Aug 2015 11:12

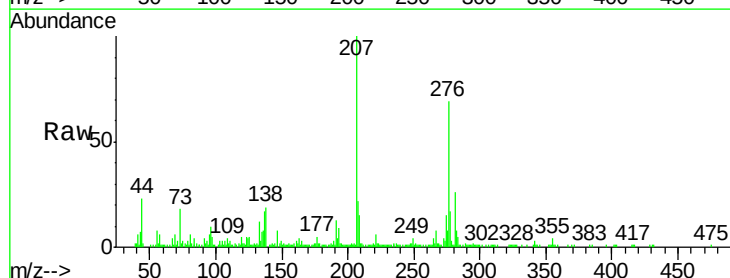
Tgt Ion:276 Resp: 141030

Ion Ratio Lower Upper

276 100

138 28.3 20.5 30.7

277 24.9 19.0 28.6



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

