

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM123015\  
 Data File : BM003836.D  
 Acq On : 28 Dec 2015 19:46  
 Operator : SJ/UM  
 Sample : G4792-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9N26

Quant Time: Dec 29 07:13:28 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-SIM-BM121515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 29 07:09:39 2015  
 Response via : Initial Calibration

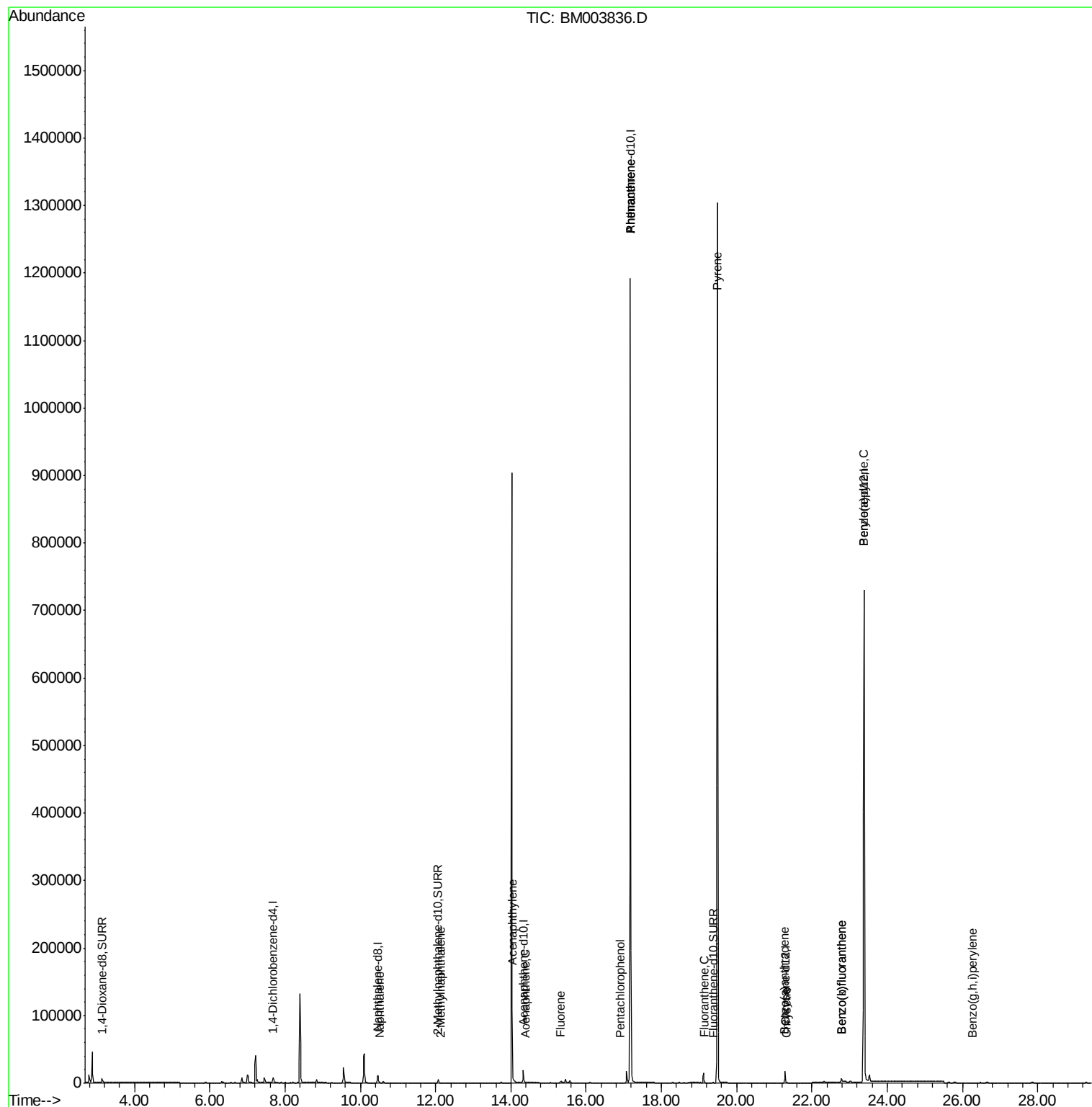
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.68  | 152  | 3783     | 0.40   | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.46 | 136  | 16688    | 0.40   | ng/ul  | -0.01    |
| 8) Acenaphthene-d10         | 14.33 | 164  | 10180    | 0.40   | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.18 | 188  | 1411862  | 0.40   | ng/ul  | 0.10     |
| 18) Chrysene-d12            | 21.28 | 240  | 17435    | 0.40   | ng/ul  | 0.00     |
| 22) Perylene-d12            | 23.38 | 264  | 1018674  | 0.40   | ng/ul  | -0.15    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 2) 1,4-Dioxane-d8           | 3.14  | 96   | 4858     | 3.00   | ng/uL  | -0.02    |
| 6) 2-Methylnaphthalene-d10  | 12.07 | 152  | 7395     | 0.37   | ng/ul  | 0.00     |
| 16) Fluoranthene-d10        | 19.37 | 212  | 715      | 0.00   | ng/ul  | 0.25     |
| Target Compounds            |       |      |          | Qvalue |        |          |
| 5) Naphthalene              | 10.51 | 128  | 824      | 0.02   | ng/ul# | 69       |
| 7) 2-Methylnaphthalene      | 12.14 | 142  | 216      | 0.01   | ng/ul  | 95       |
| 9) Acenaphthylene           | 14.04 | 152  | 489      | 0.01   | ng/ul# | 55       |
| 10) Acenaphthene            | 14.38 | 153  | 263      | 0.01   | ng/ul# | 78       |
| 11) Fluorene                | 15.32 | 166  | 2968     | 0.09   | ng/ul# | 23       |
| 13) Pentachlorophenol       | 16.90 | 266  | 1        | 0.00   | ng/ul# | 1        |
| 14) Phenanthrene            | 17.18 | 178  | 806      | 0.00   | ng/ul# | 1        |
| 15) Anthracene              | 17.18 | 178  | 796      | 0.00   | ng/ul# | 1        |
| 17) Fluoranthene            | 19.14 | 202  | 733      | 0.00   | ng/ul  | 70       |
| 19) Pyrene                  | 19.48 | 202  | 3027     | 0.06   | ng/ul# | 1        |
| 20) Benzo(a)anthracene      | 21.27 | 228  | 365      | 0.01   | ng/ul# | 31       |
| 21) Chrysene                | 21.32 | 228  | 319      | 0.01   | ng/ul# | 42       |
| 23) Benzo(b)fluoranthene    | 22.78 | 252  | 44       | 0.00   | ng/ul# | 1        |
| 24) Benzo(k)fluoranthene    | 22.78 | 252  | 44       | 0.00   | ng/ul# | 1        |
| 25) Benzo(a)pyrene          | 23.38 | 252  | 4091     | 0.00   | ng/ul# | 45       |
| 28) Benzo(g,h,i)perylene    | 26.28 | 276  | 4        | 0.00   | ng/ul# | 1        |

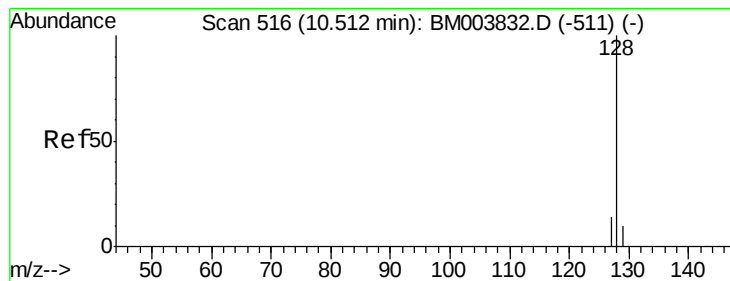
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 29 07:09:39 2015  
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.02 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.00 min

Lab File: BM003836.D

Acq: 28 Dec 2015 19:46

Instrument :

BNA\_M

ClientSampleId :

D9N26

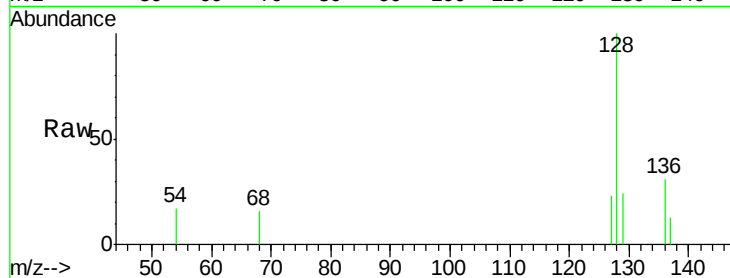
Tgt Ion:128 Resp: 824

Ion Ratio Lower Upper

128 100

129 24.2 9.0 13.6#

127 22.8 9.6 14.4#



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

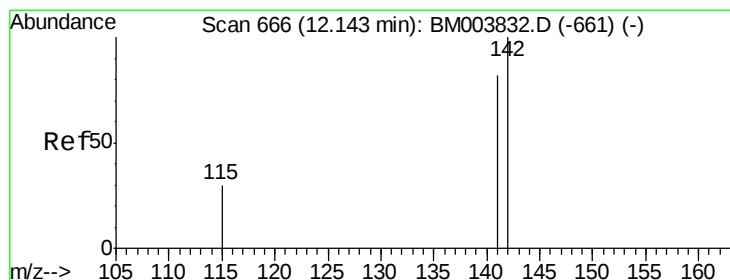
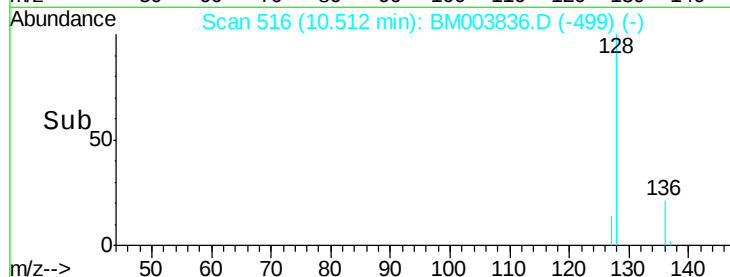
10.51

400

200

0

Time-->



#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 12.14 min Scan# 666

Delta R.T. -0.00 min

Lab File: BM003836.D

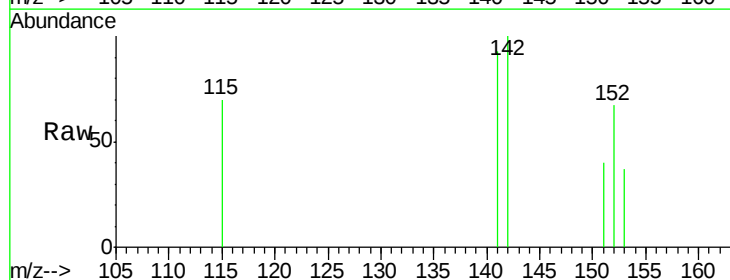
Acq: 28 Dec 2015 19:46

Tgt Ion:142 Resp: 216

Ion Ratio Lower Upper

142 100

141 92.6 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

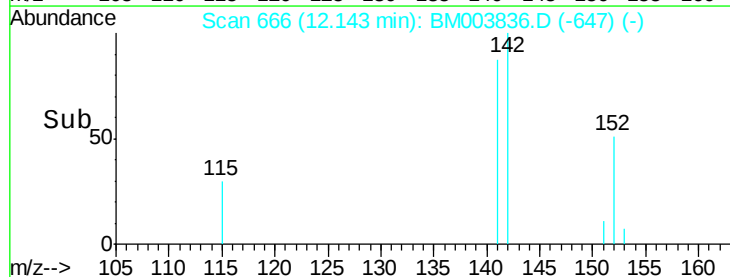
12.14

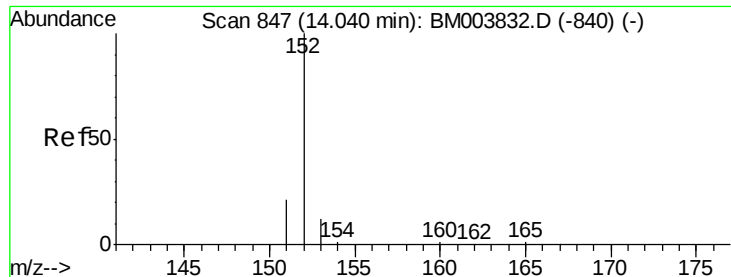
150

100

50

Time-->





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM003836.D

Acq: 28 Dec 2015 19:46

Instrument :

BNA\_M

ClientSampleId :

D9N26

Tgt Ion:152 Resp: 489

Ion Ratio Lower Upper

152 100

151 38.0 17.6 26.4#

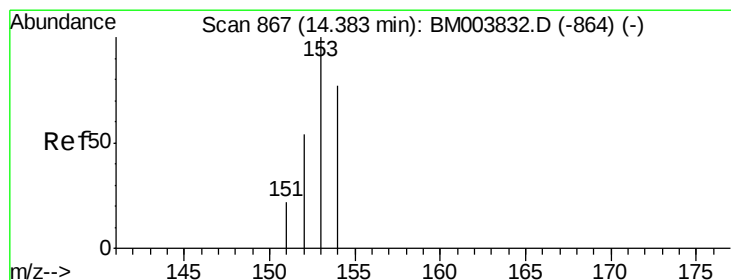
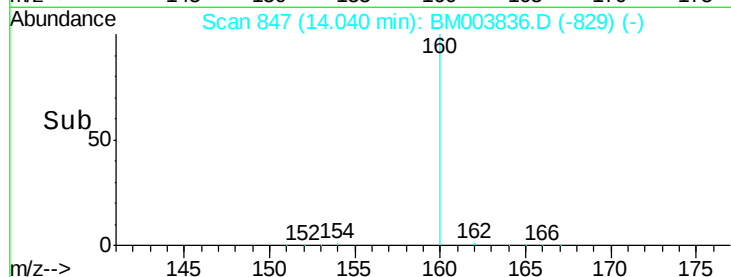
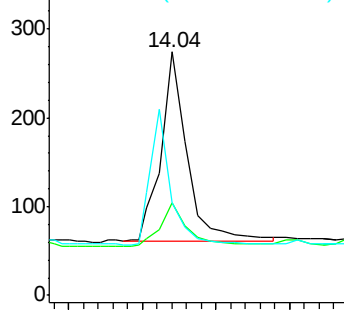
153 38.0 9.7 14.5#



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



#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM003836.D

Acq: 28 Dec 2015 19:46

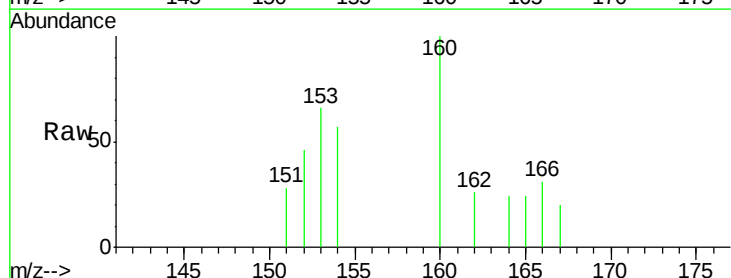
Tgt Ion:153 Resp: 263

Ion Ratio Lower Upper

153 100

152 69.8 33.9 50.9#

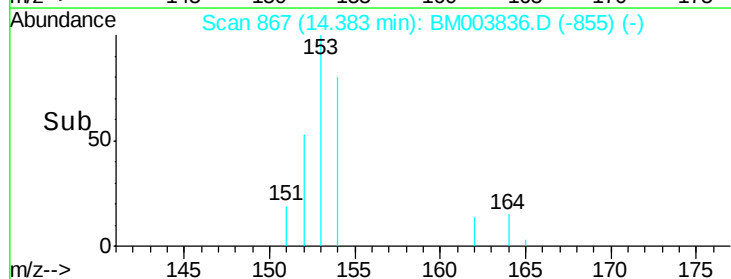
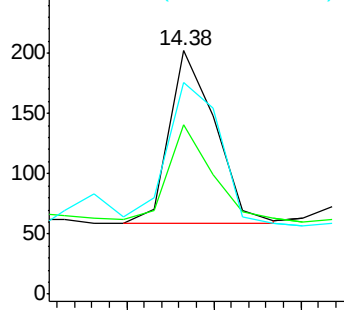
154 87.1 80.6 121.0

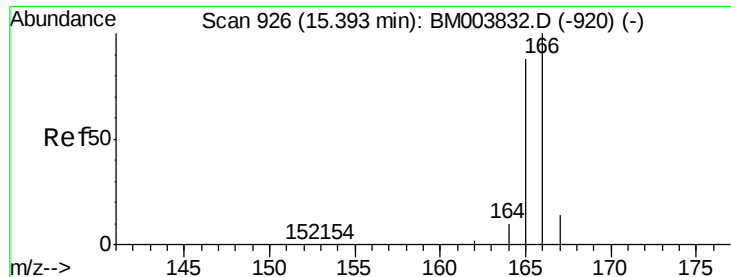


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

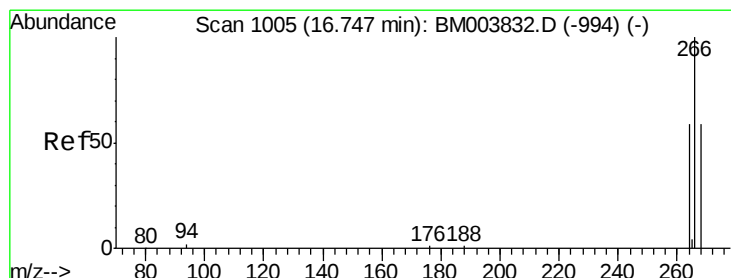
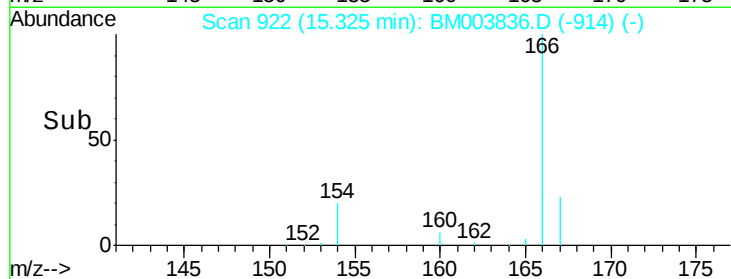
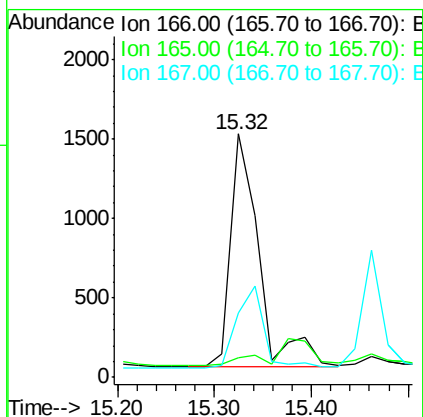
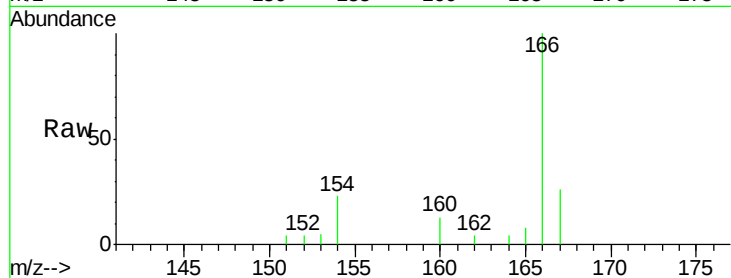




#11  
**Fluorene**  
 Concen: 0.09 ng/ul  
 RT: 15.32 min Scan# 922  
 Delta R.T. -0.07 min  
 Lab File: BM003836.D  
 Acq: 28 Dec 2015 19:46

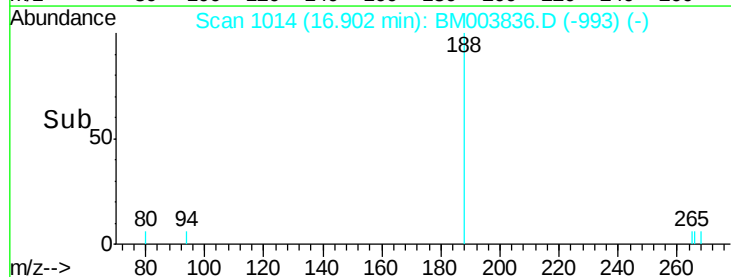
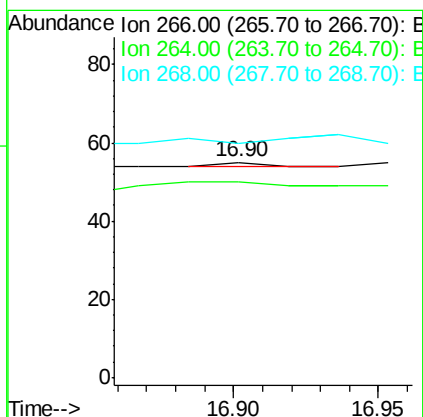
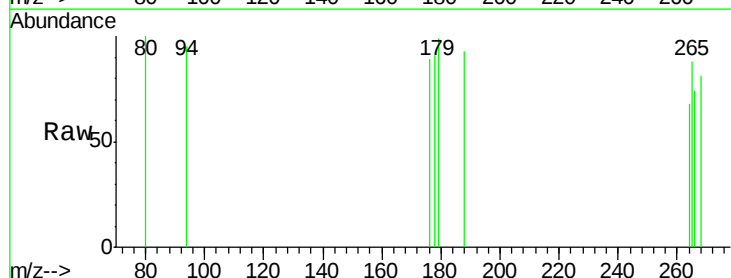
Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9N26

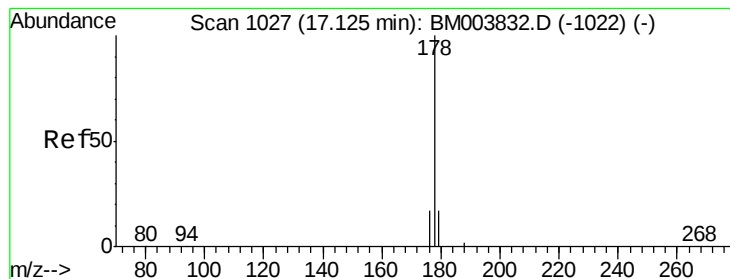
Tgt Ion:166 Resp: 2968  
 Ion Ratio Lower Upper  
 166 100  
 165 8.2 69.6 104.4#  
 167 26.3 11.9 17.9#



#13  
**Pentachlorophenol**  
 Concen: 0.00 ng/ul  
 RT: 16.90 min Scan# 1014  
 Delta R.T. 0.15 min  
 Lab File: BM003836.D  
 Acq: 28 Dec 2015 19:46

Tgt Ion:266 Resp: 1  
 Ion Ratio Lower Upper  
 266 100  
 264 200.0 51.8 77.8#  
 268 0.0 46.8 70.2#





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. 0.05 min

Lab File: BM003836.D

Acq: 28 Dec 2015 19:46

Instrument :

BNA\_M

ClientSampleId :

D9N26

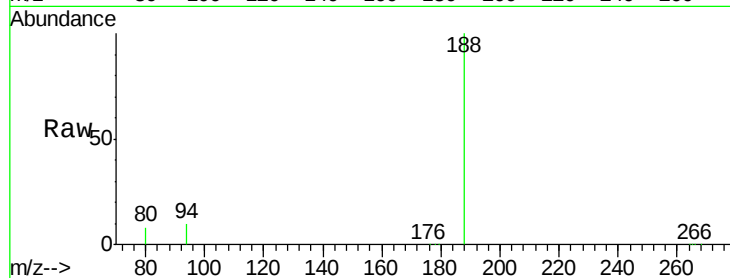
Tgt Ion:178 Resp: 806

Ion Ratio Lower Upper

178 100

176 15.6 13.0 19.4

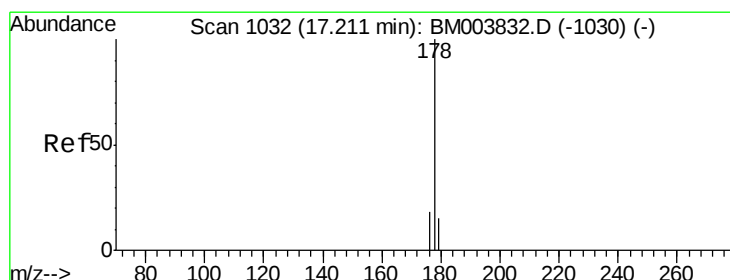
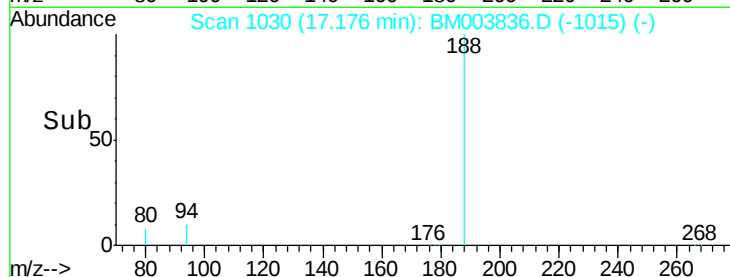
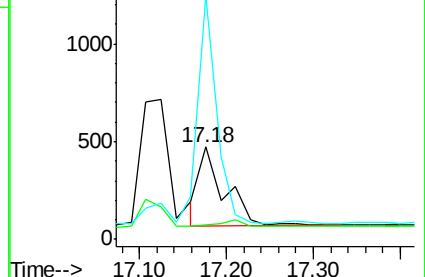
179 263.2 14.2 21.2#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. -0.03 min

Lab File: BM003836.D

Acq: 28 Dec 2015 19:46

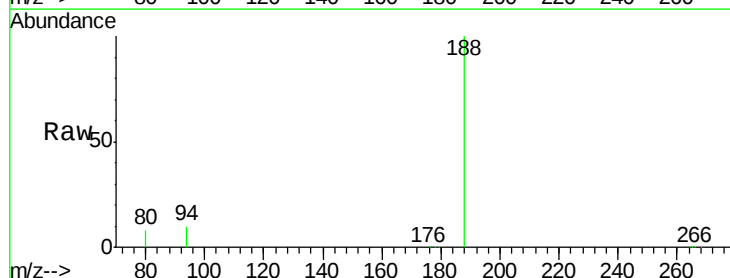
Tgt Ion:178 Resp: 796

Ion Ratio Lower Upper

178 100

176 15.6 14.0 21.0

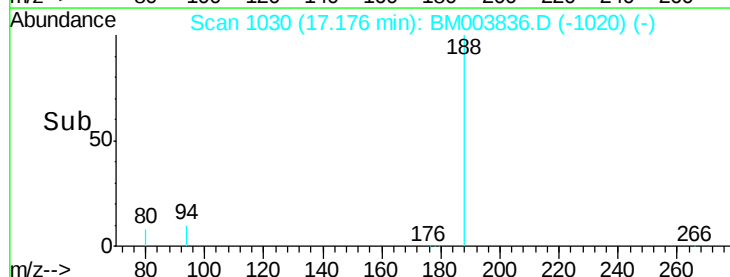
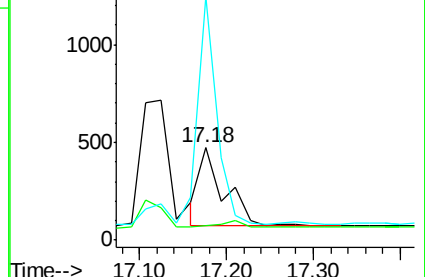
179 263.2 12.9 19.3#

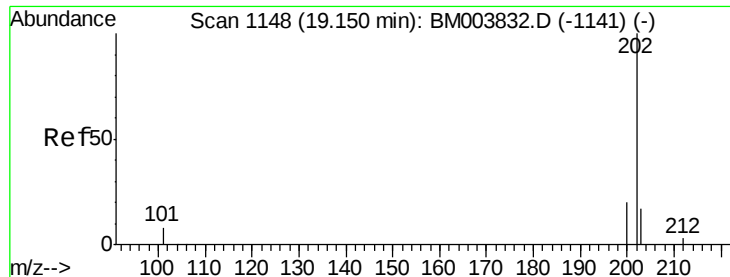


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

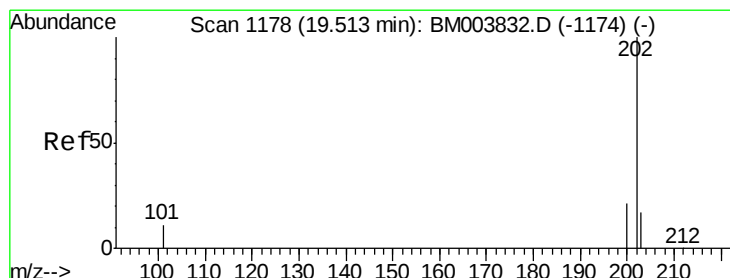
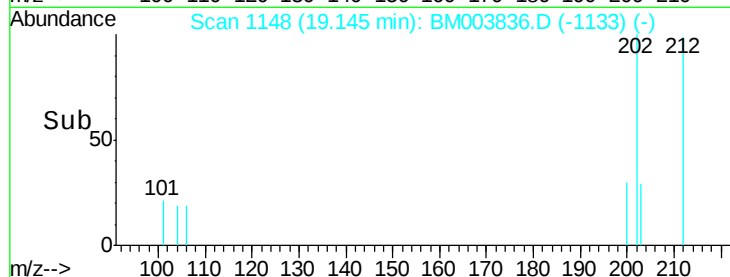
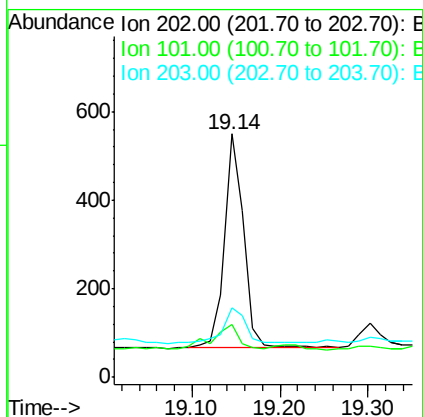
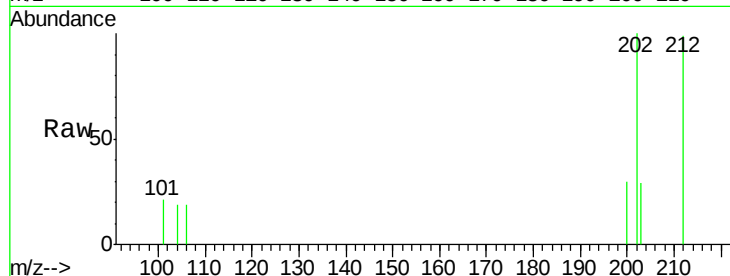




#17  
**Fluoranthene**  
 Concen: 0.00 ng/ul  
 RT: 19.14 min Scan# 1148  
 Delta R.T. -0.01 min  
 Lab File: BM003836.D  
 Acq: 28 Dec 2015 19:46

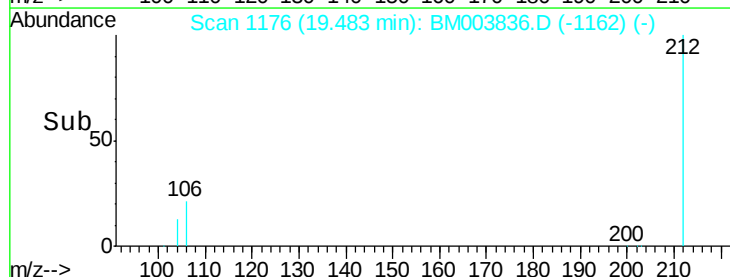
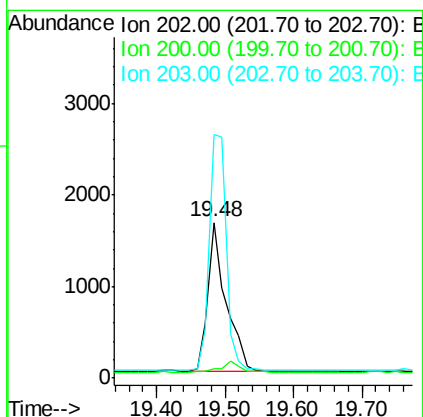
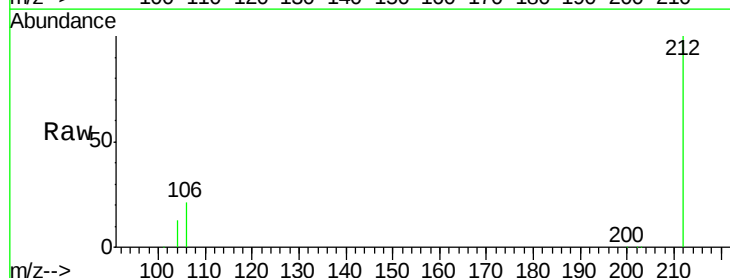
Instrument :  
 BNA\_M  
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 D9N26

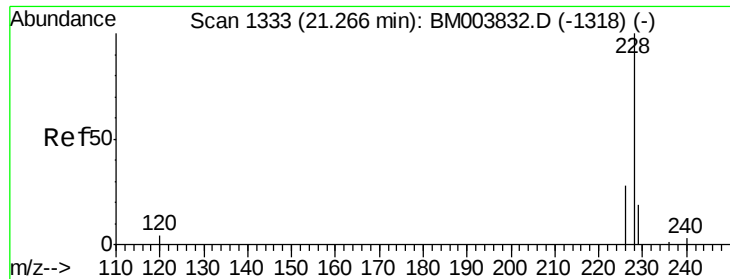
Tgt Ion: 202 Resp: 733  
 Ion Ratio Lower Upper  
 202 100  
 101 21.5 0.0 29.6  
 203 28.5 0.0 36.3



#19  
**Pyrene**  
 Concen: 0.06 ng/ul  
 RT: 19.48 min Scan# 1176  
 Delta R.T. -0.03 min  
 Lab File: BM003836.D  
 Acq: 28 Dec 2015 19:46

Tgt Ion: 202 Resp: 3027  
 Ion Ratio Lower Upper  
 202 100  
 200 6.3 17.8 26.8#  
 203 156.3 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. 0.01 min

Lab File: BM003836.D

Acq: 28 Dec 2015 19:46

Instrument :

BNA\_M

ClientSampleId :

D9N26

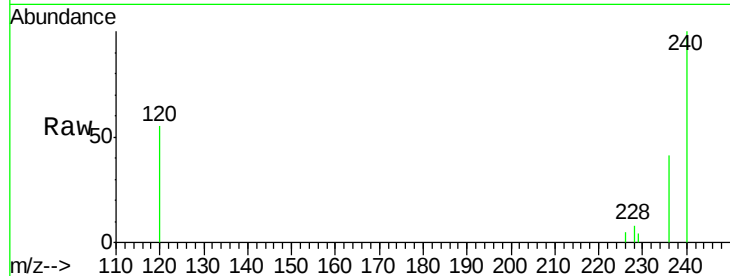
Tgt Ion:228 Resp: 365

Ion Ratio Lower Upper

228 100

226 61.3 18.8 28.2#

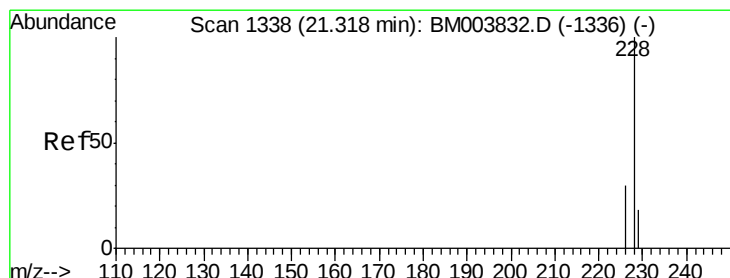
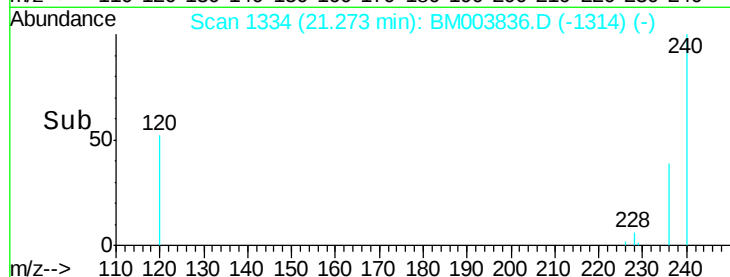
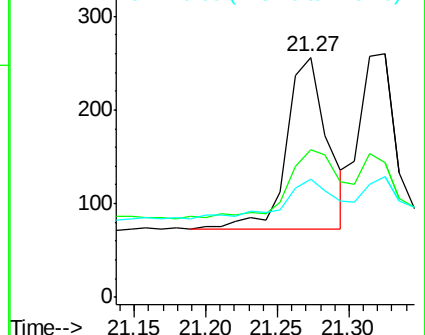
229 49.2 17.1 25.7#



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



#21

Chrysene

Concen: 0.01 ng/ul

RT: 21.32 min Scan# 1339

Delta R.T. 0.01 min

Lab File: BM003836.D

Acq: 28 Dec 2015 19:46

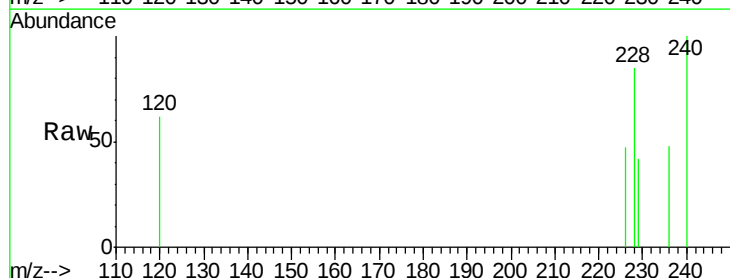
Tgt Ion:228 Resp: 319

Ion Ratio Lower Upper

228 100

226 55.4 21.2 31.8#

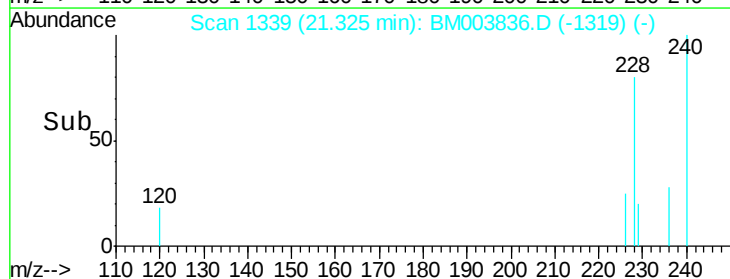
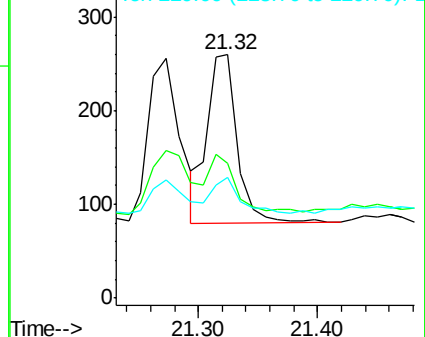
229 49.6 17.0 25.6#

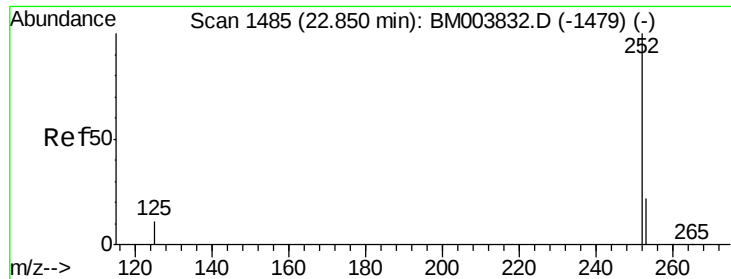


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/u1

RT: 22.78 min Scan# 1479

Delta R.T. -0.07 min

Lab File: BM003836.D

Acq: 28 Dec 2015 19:46

Instrument :

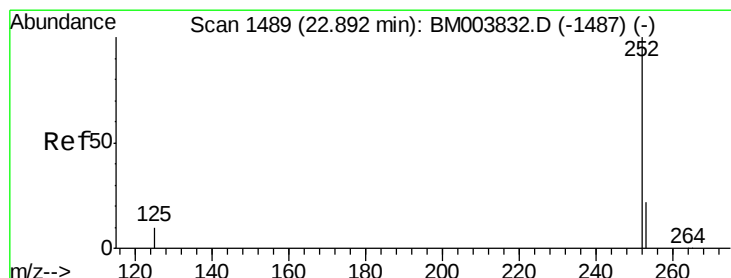
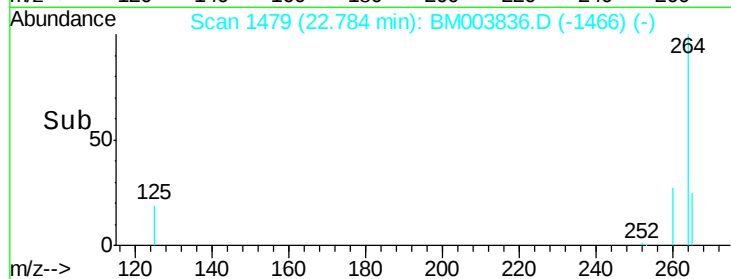
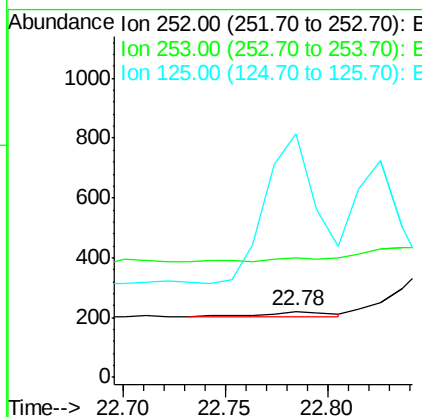
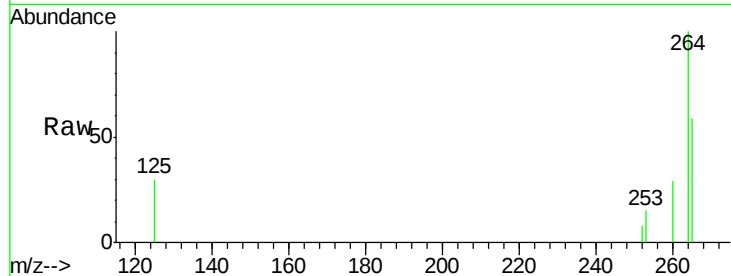
BNA\_M

ClientSampleId :

D9N26

Tgt Ion:252 Resp: 44

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 180.5 | 0.0   | 45.4# |
| 125 | 368.3 | 0.0   | 28.8# |



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

RT: 22.78 min Scan# 1479

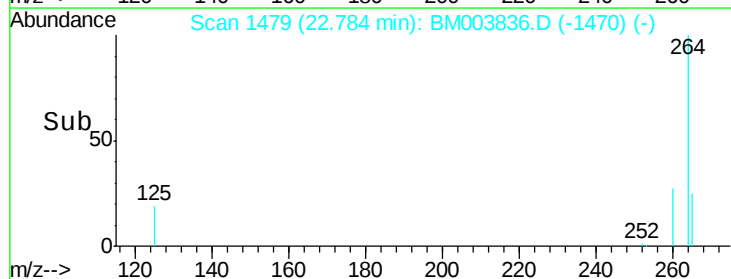
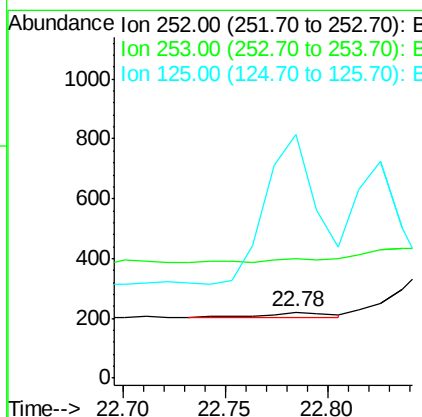
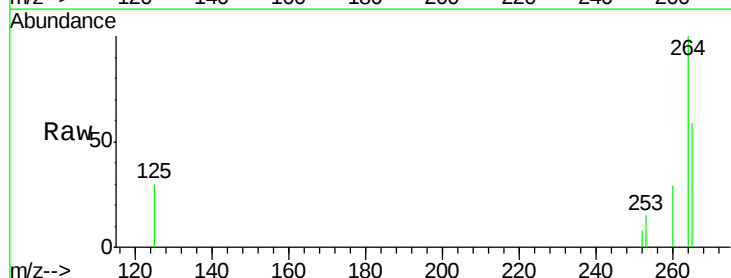
Delta R.T. -0.11 min

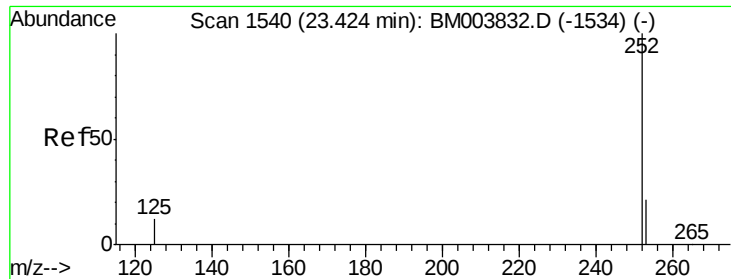
Lab File: BM003836.D

Acq: 28 Dec 2015 19:46

Tgt Ion:252 Resp: 44

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 180.5 | 19.8  | 29.8# |
| 125 | 368.3 | 10.4  | 15.6# |





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.38 min Scan# 1536

Delta R.T. -0.05 min

Lab File: BM003836.D

Acq: 28 Dec 2015 19:46

Instrument :

BNA\_M

ClientSampleId :

D9N26

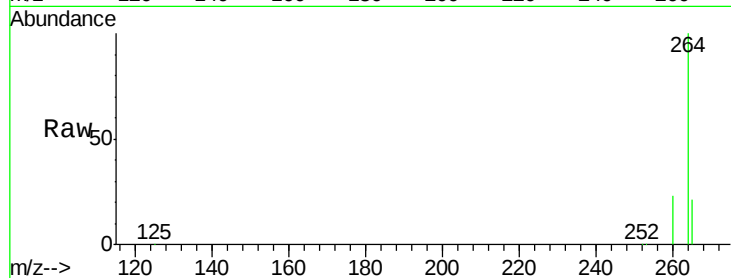
Tgt Ion:252 Resp: 4091

Ion Ratio Lower Upper

252 100

253 42.1 19.4 29.2#

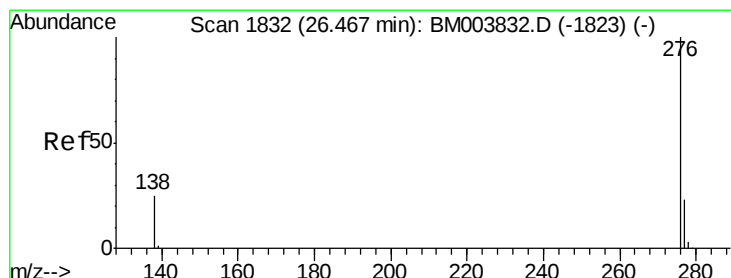
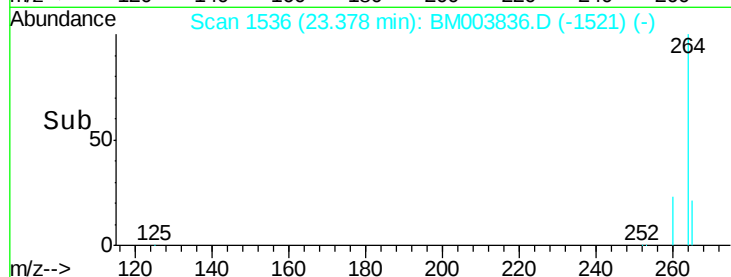
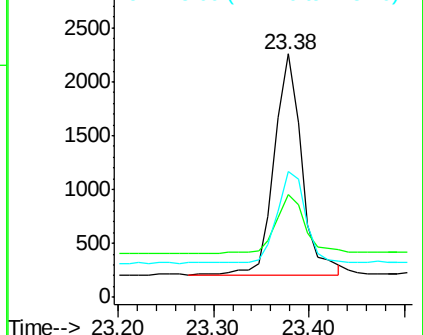
125 51.6 12.7 19.1#



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



#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.28 min Scan# 1814

Delta R.T. -0.19 min

Lab File: BM003836.D

Acq: 28 Dec 2015 19:46

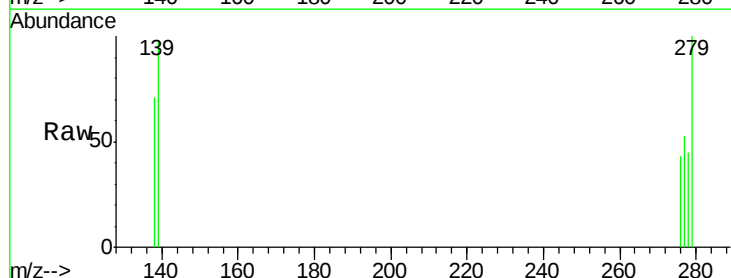
Tgt Ion:276 Resp: 4

Ion Ratio Lower Upper

276 100

277 124.0 18.9 28.3#

138 165.3 22.5 33.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

