

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM123015\  
 Data File : BM003843.D  
 Acq On : 28 Dec 2015 23:57  
 Operator : SJ/UM  
 Sample : G4848-09  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9N55

Quant Time: Dec 29 07:15:51 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

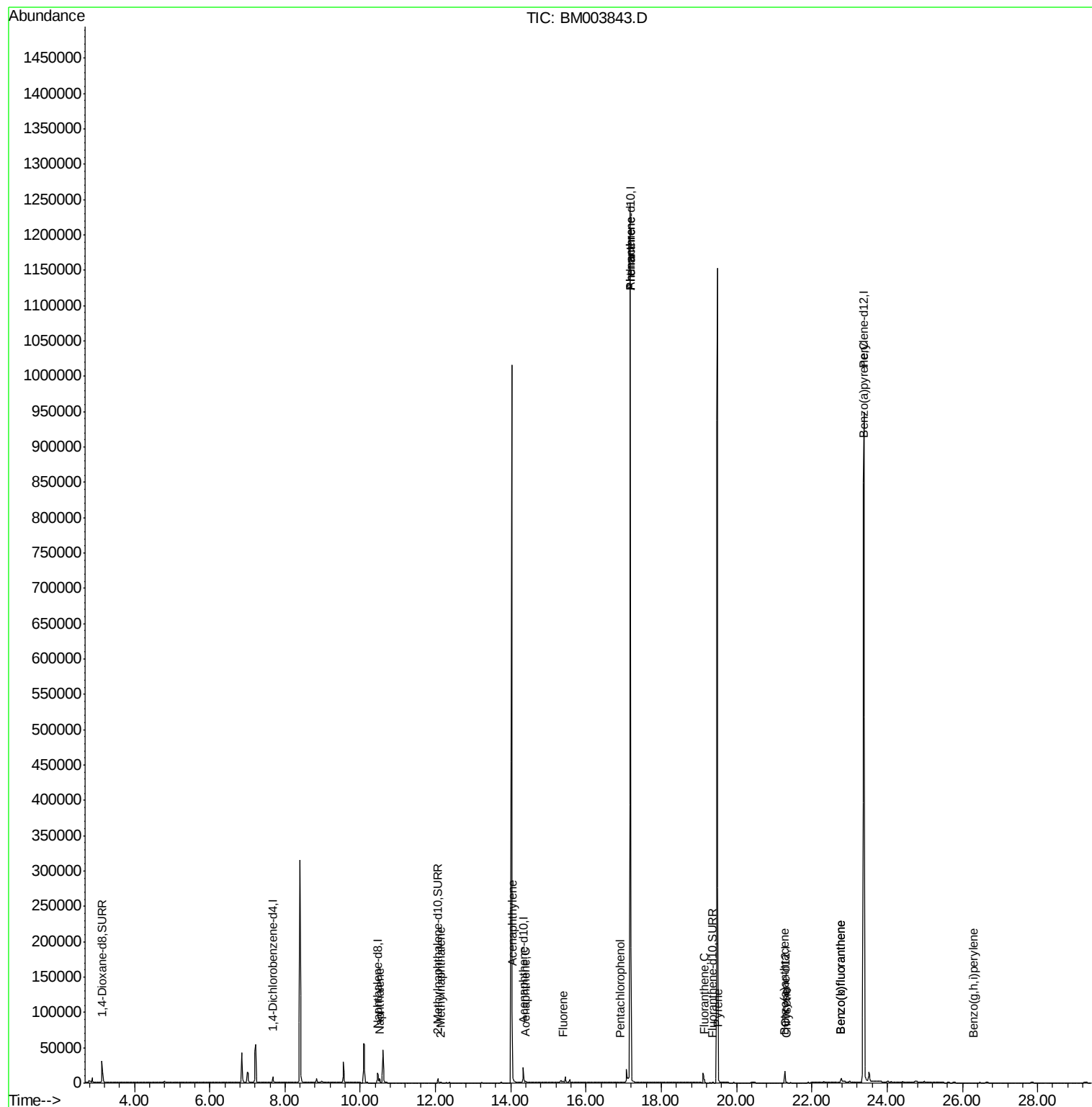
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.68  | 152  | 4686     | 0.40   | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.46 | 136  | 20212    | 0.40   | ng/ul  | -0.01    |
| 8) Acenaphthene-d10         | 14.33 | 164  | 11853    | 0.40   | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.18 | 188  | 1509128  | 0.40   | ng/ul  | 0.10     |
| 18) Chrysene-d12            | 21.29 | 240  | 17001    | 0.40   | ng/ul  | 0.00     |
| 22) Perylene-d12            | 23.38 | 264  | 1239163  | 0.40   | ng/ul  | -0.15    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 2) 1,4-Dioxane-d8           | 3.14  | 96   | 23258    | 11.61  | ng/uL  | -0.02    |
| 6) 2-Methylnaphthalene-d10  | 12.07 | 152  | 9120     | 0.38   | ng/ul  | 0.00     |
| 16) Fluoranthene-d10        | 19.37 | 212  | 735      | 0.00   | ng/ul  | 0.24     |
| Target Compounds            |       |      |          | Qvalue |        |          |
| 5) Naphthalene              | 10.51 | 128  | 8205     | 0.18   | ng/ul# | 96       |
| 7) 2-Methylnaphthalene      | 12.14 | 142  | 1020     | 0.03   | ng/ul  | 96       |
| 9) Acenaphthylene           | 14.04 | 152  | 441      | 0.01   | ng/ul# | 50       |
| 10) Acenaphthene            | 14.38 | 153  | 1438     | 0.04   | ng/ul# | 81       |
| 11) Fluorene                | 15.39 | 166  | 1880     | 0.05   | ng/ul# | 97       |
| 13) Pentachlorophenol       | 16.90 | 266  | 1        | 0.00   | ng/ul# | 20       |
| 14) Phenanthrene            | 17.18 | 178  | 1299     | 0.00   | ng/ul# | 1        |
| 15) Anthracene              | 17.18 | 178  | 1294     | 0.00   | ng/ul# | 1        |
| 17) Fluoranthene            | 19.15 | 202  | 5257     | 0.00   | ng/ul  | 92       |
| 19) Pyrene                  | 19.51 | 202  | 5798     | 0.13   | ng/ul# | 92       |
| 20) Benzo(a)anthracene      | 21.27 | 228  | 790      | 0.02   | ng/ul# | 72       |
| 21) Chrysene                | 21.32 | 228  | 767      | 0.02   | ng/ul# | 73       |
| 23) Benzo(b)fluoranthene    | 22.78 | 252  | 57       | 0.00   | ng/ul# | 1        |
| 24) Benzo(k)fluoranthene    | 22.78 | 252  | 57       | 0.00   | ng/ul# | 1        |
| 25) Benzo(a)pyrene          | 23.37 | 252  | 5195     | 0.00   | ng/ul# | 57       |
| 28) Benzo(g,h,i)perylene    | 26.29 | 276  | 7        | 0.00   | ng/ul# | 1        |

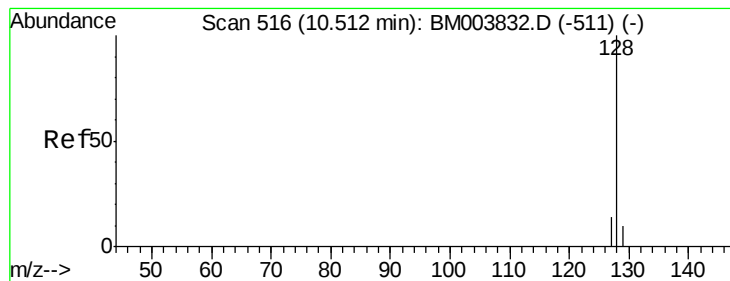
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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D9N55

Quant Time: Dec 29 07:15:51 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





#5

Naphthalene

Concen: 0.18 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.00 min

Lab File: BM003843.D

Acq: 28 Dec 2015 23:57

Instrument :

BNA\_M

ClientSampleId :

D9N55

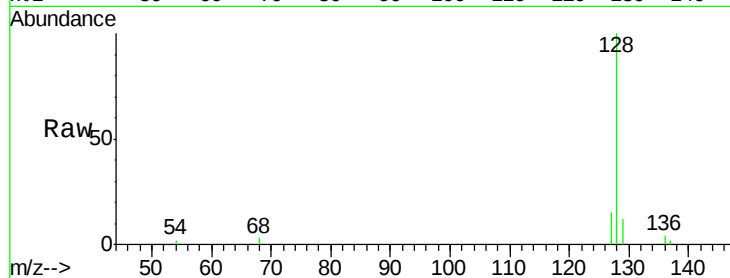
Tgt Ion:128 Resp: 8205

Ion Ratio Lower Upper

128 100

129 11.9 9.0 13.6

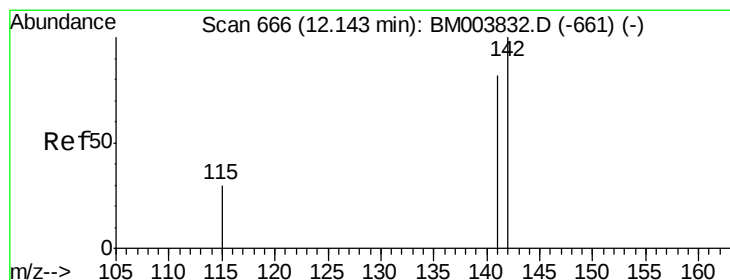
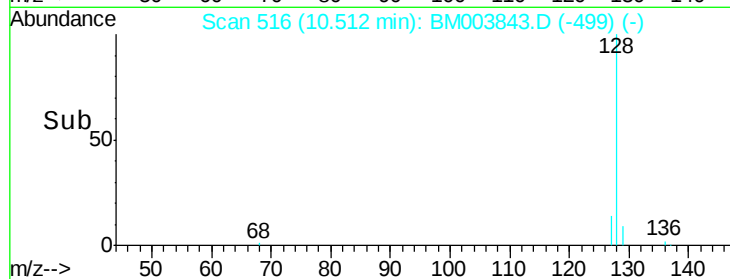
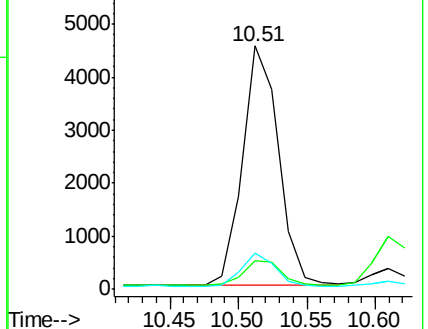
127 14.8 9.6 14.4#



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



#7

2-Methylnaphthalene

Concen: 0.03 ng/ul

RT: 12.14 min Scan# 666

Delta R.T. -0.00 min

Lab File: BM003843.D

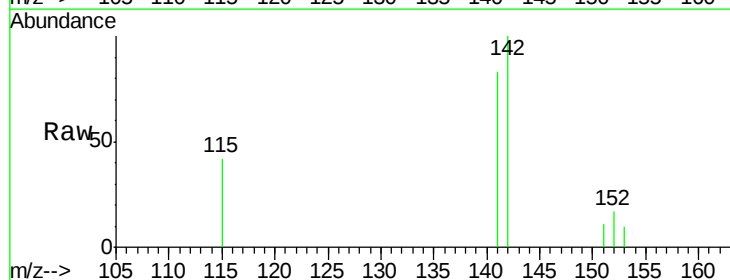
Acq: 28 Dec 2015 23:57

Tgt Ion:142 Resp: 1020

Ion Ratio Lower Upper

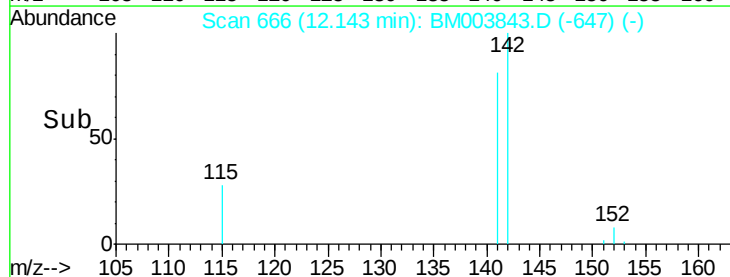
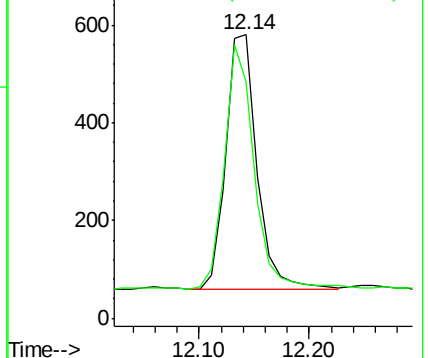
142 100

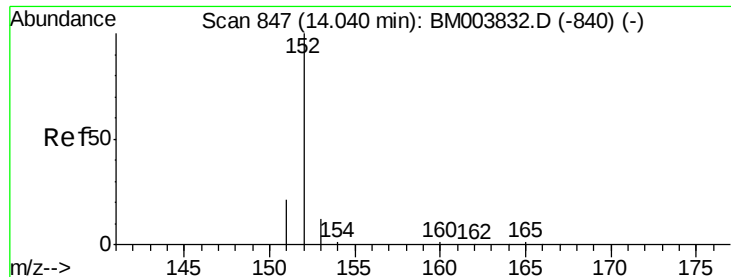
141 91.4 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM003843.D

Acq: 28 Dec 2015 23:57

Instrument :

BNA\_M

ClientSampleId :

D9N55

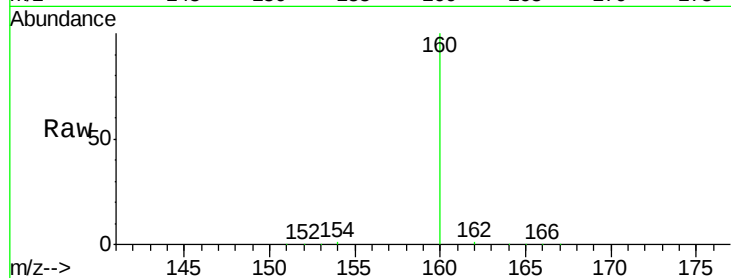
Tgt Ion:152 Resp: 441

Ion Ratio Lower Upper

152 100

151 40.4 17.6 26.4#

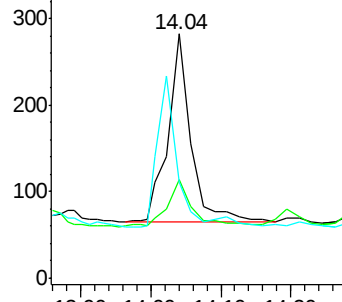
153 39.4 9.7 14.5#



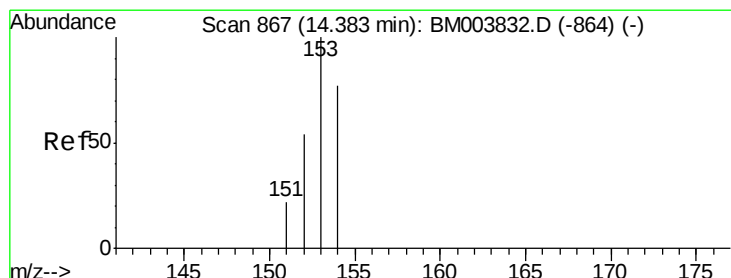
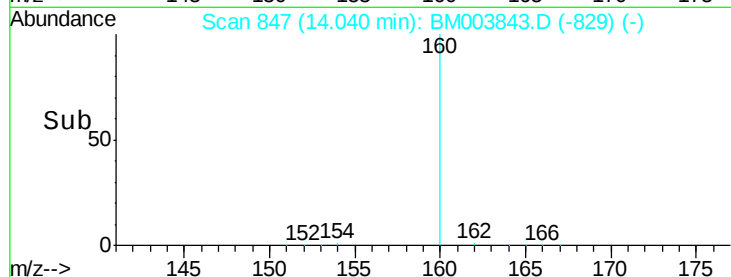
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#10

Acenaphthene

Concen: 0.04 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM003843.D

Acq: 28 Dec 2015 23:57

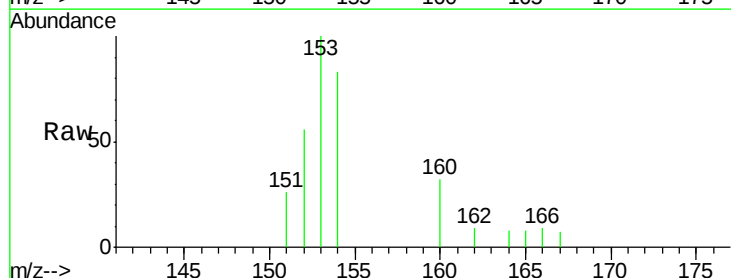
Tgt Ion:153 Resp: 1438

Ion Ratio Lower Upper

153 100

152 56.0 33.9 50.9#

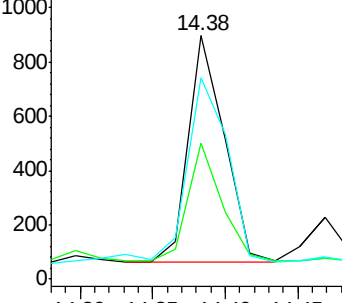
154 82.6 80.6 121.0



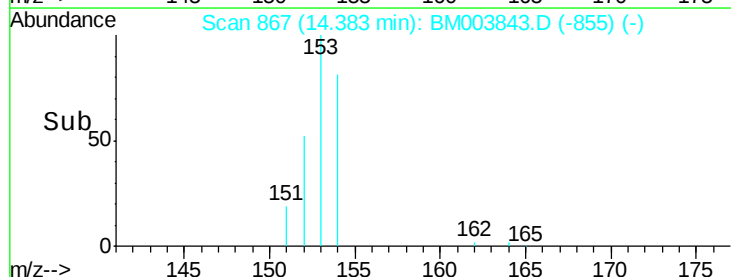
Abundance Ion 153.00 (152.70 to 153.70): E

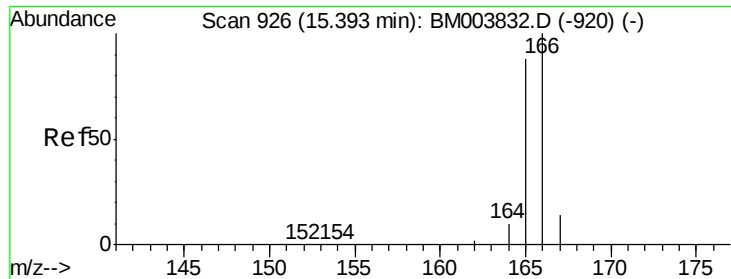
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->

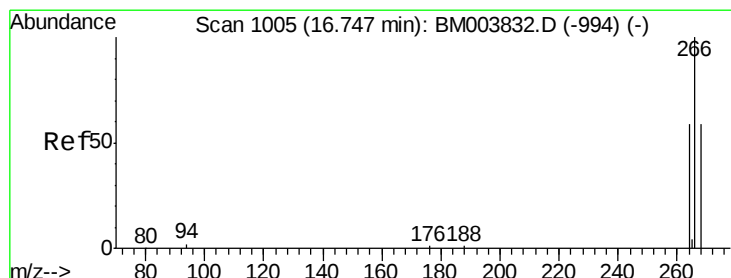
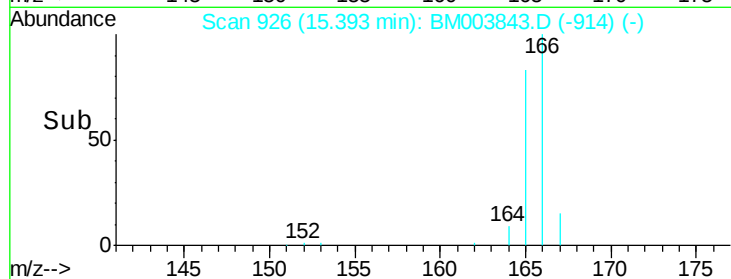
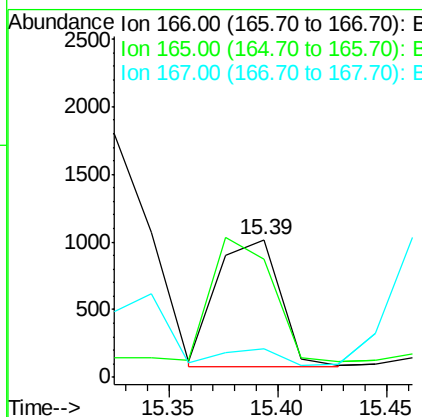
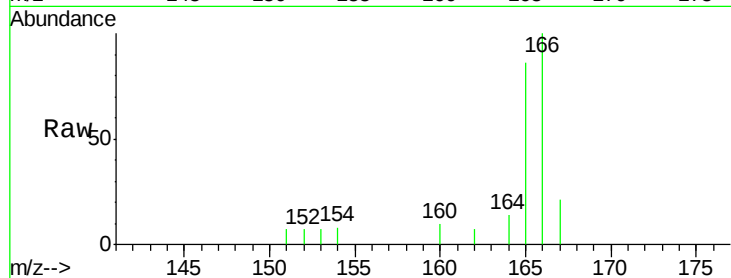




#11  
**Fluorene**  
 Concen: 0.05 ng/ul  
 RT: 15.39 min Scan# 926  
 Delta R.T. -0.00 min  
 Lab File: BM003843.D  
 Acq: 28 Dec 2015 23:57

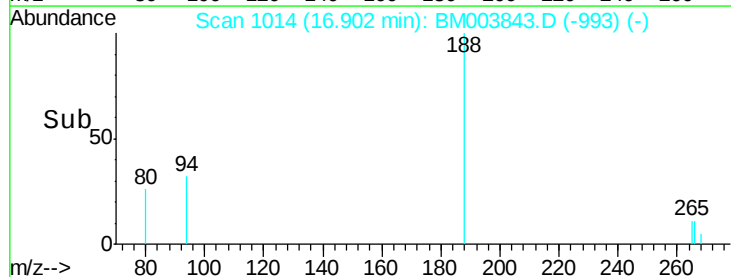
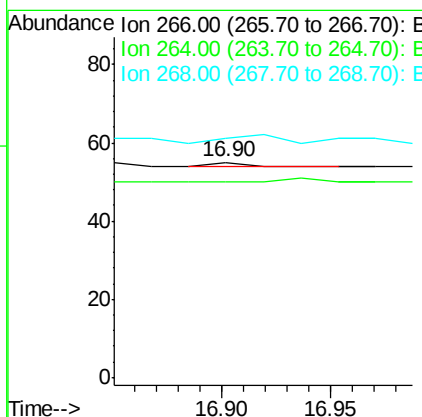
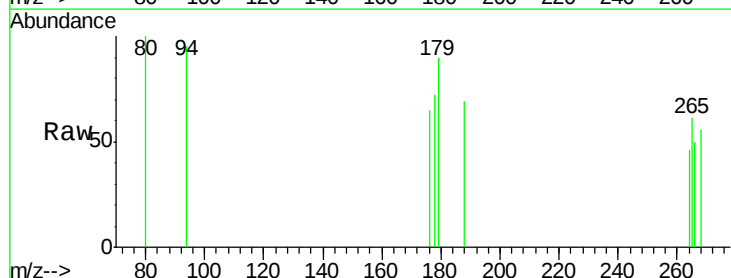
Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9N55

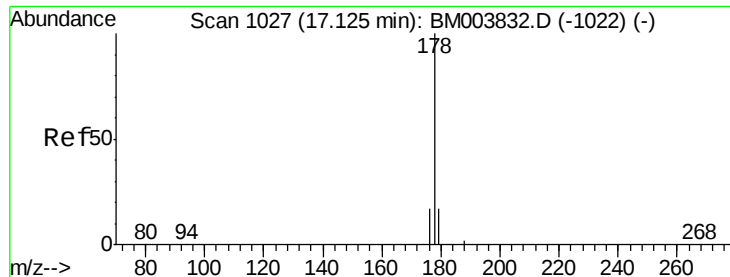
Tgt Ion:166 Resp: 1880  
 Ion Ratio Lower Upper  
 166 100  
 165 85.9 69.6 104.4  
 167 21.0 11.9 17.9#



#13  
**Pentachlorophenol**  
 Concen: 0.00 ng/ul  
 RT: 16.90 min Scan# 1014  
 Delta R.T. 0.15 min  
 Lab File: BM003843.D  
 Acq: 28 Dec 2015 23:57

Tgt Ion:266 Resp: 1  
 Ion Ratio Lower Upper  
 266 100  
 264 0.0 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: BM003843.D

Acq: 28 Dec 2015 23:57

Instrument :

BNA\_M

ClientSampleId :

D9N55

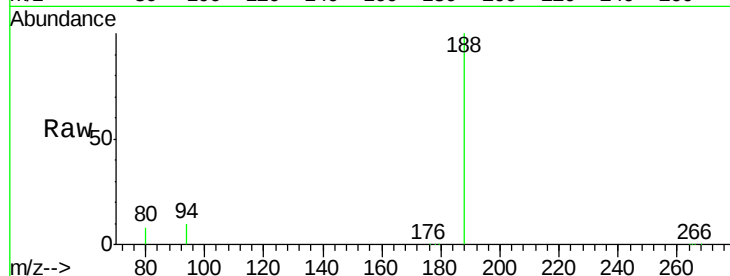
Tgt Ion:178 Resp: 1299

Ion Ratio Lower Upper

178 100

176 15.5 13.0 19.4

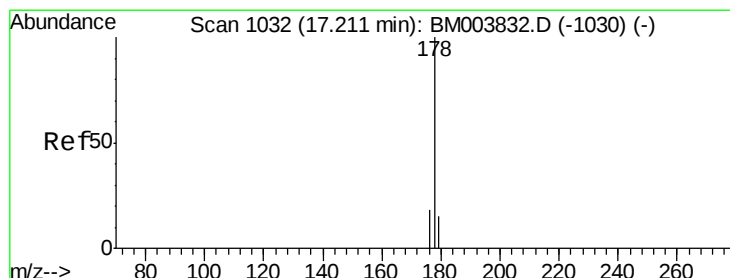
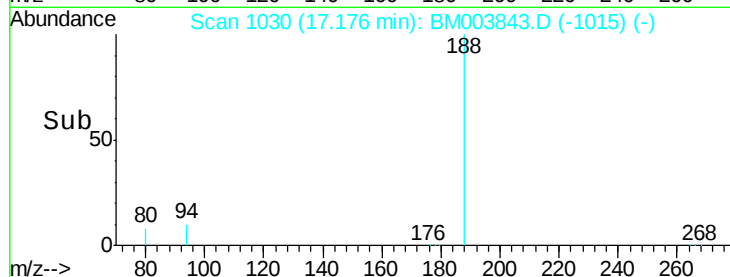
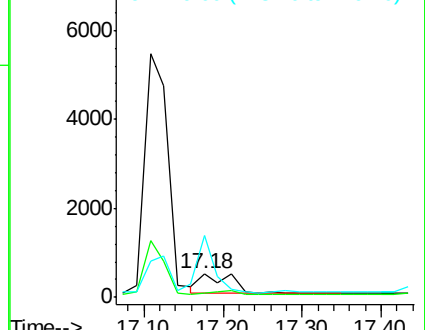
179 261.2 14.2 21.2#



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: BM003843.D

Acq: 28 Dec 2015 23:57

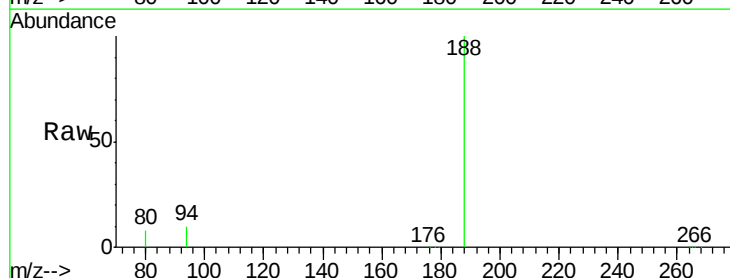
Tgt Ion:178 Resp: 1294

Ion Ratio Lower Upper

178 100

176 15.5 14.0 21.0

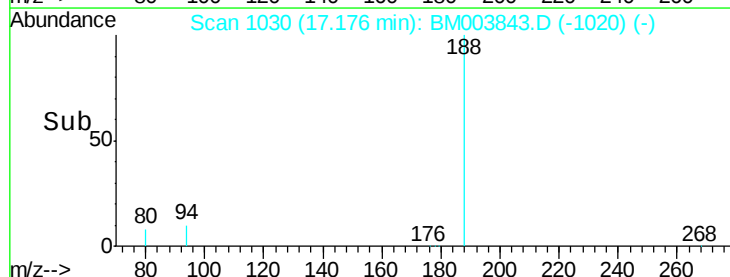
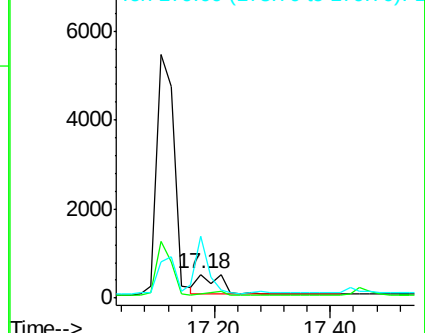
179 261.2 12.9 19.3#

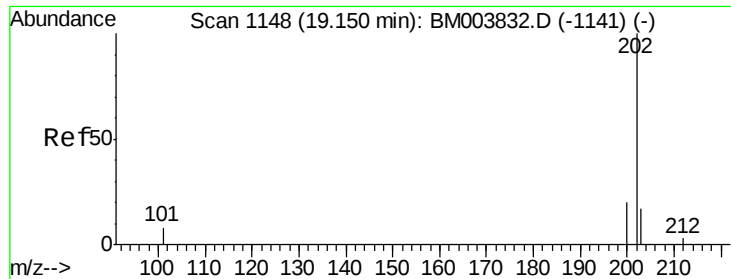


Abundance Ion 178.00 (177.70 to 178.70): E

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: 19.15 min Scan# 1148

Delta R.T. -0.00 min

Lab File: BM003843.D

Acq: 28 Dec 2015 23:57

Instrument :

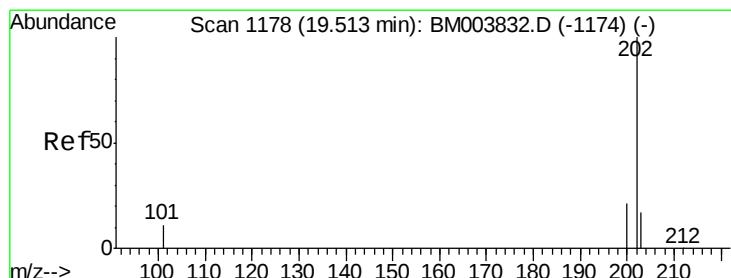
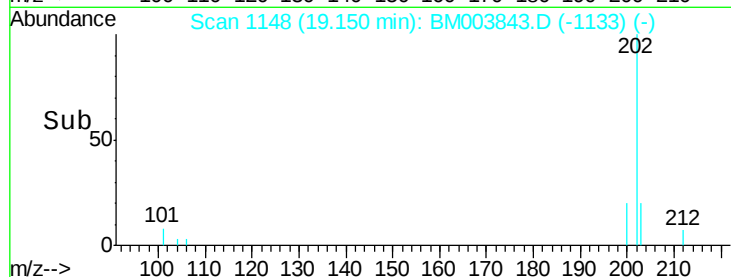
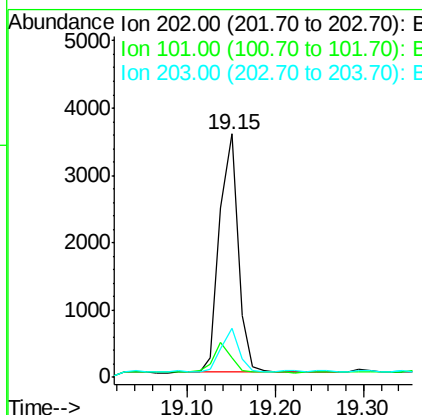
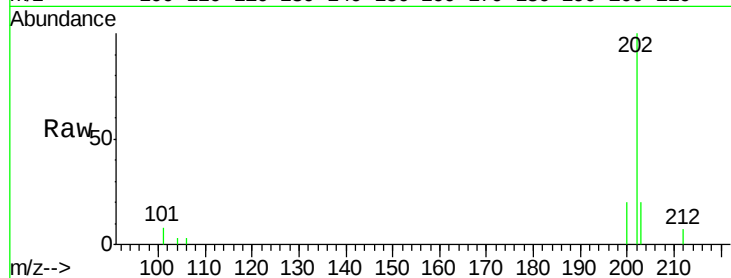
BNA\_M

ClientSampleId :

D9N55

Tgt Ion:202 Resp: 5257

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 8.0   | 0.0   | 29.6  |
| 203 | 20.4  | 0.0   | 36.3  |



#19

Pyrene

Concen: 0.13 ng/ul

RT: 19.51 min Scan# 1178

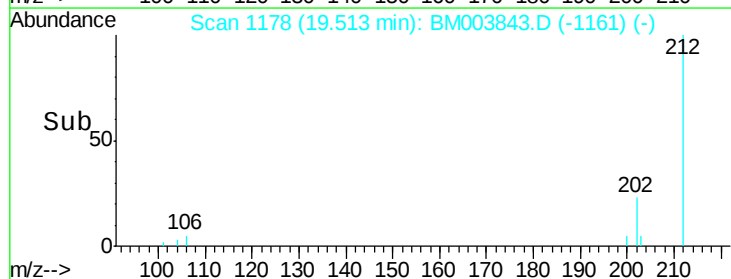
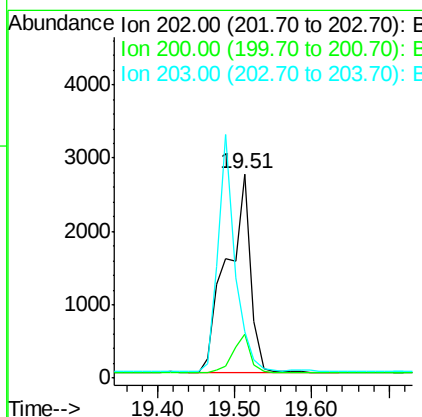
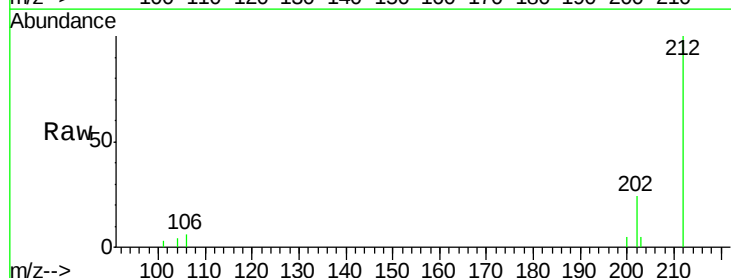
Delta R.T. -0.00 min

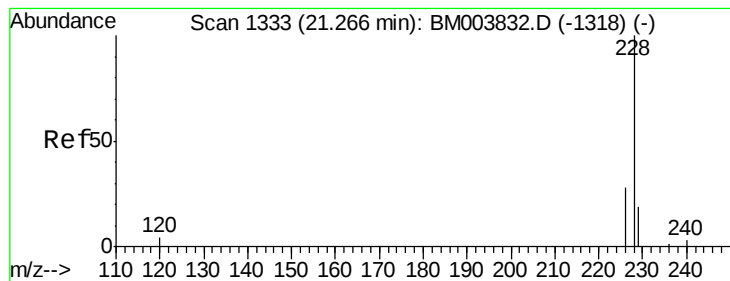
Lab File: BM003843.D

Acq: 28 Dec 2015 23:57

Tgt Ion:202 Resp: 5798

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 21.5  | 17.8  | 26.8  |
| 203 | 22.8  | 12.8  | 19.2# |





#20

Benzo(a)anthracene

Concen: 0.02 ng/ul

RT: 21.27 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BM003843.D

Acq: 28 Dec 2015 23:57

Instrument :

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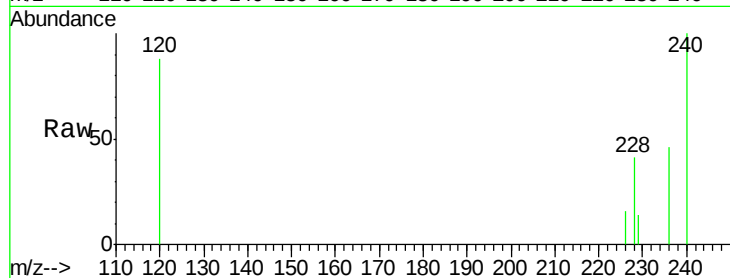
Tgt Ion:228 Resp: 790

Ion Ratio Lower Upper

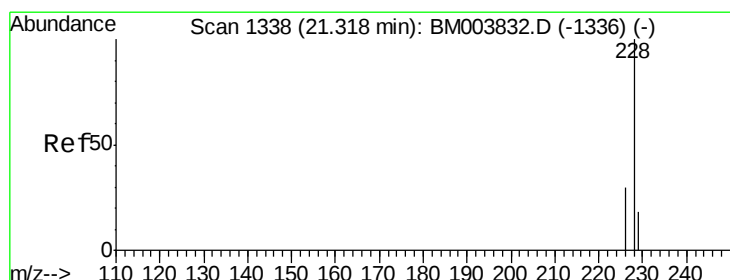
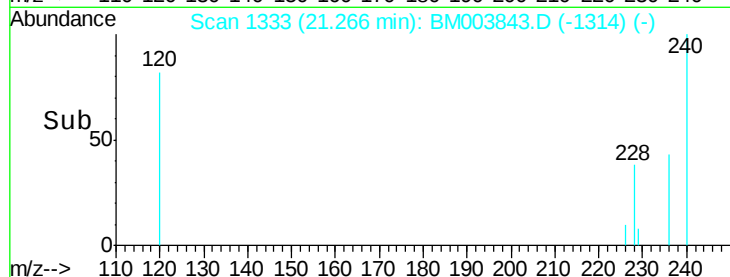
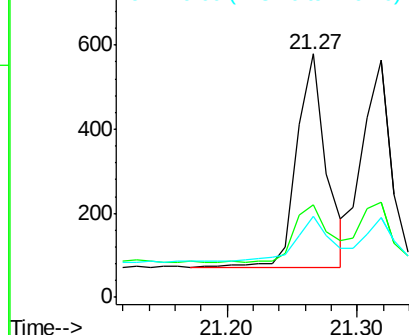
228 100

226 38.2 18.8 28.2#

229 33.3 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: 0.02 ng/ul

RT: 21.32 min Scan# 1338

Delta R.T. -0.00 min

Lab File: BM003843.D

Acq: 28 Dec 2015 23:57

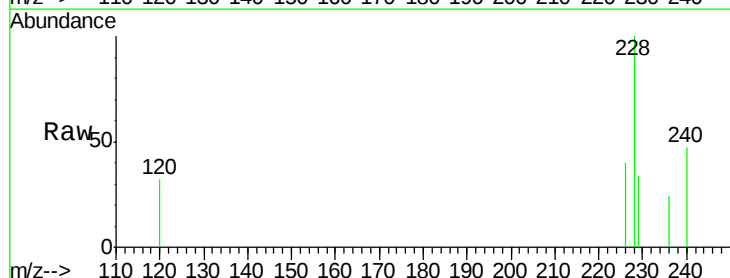
Tgt Ion:228 Resp: 767

Ion Ratio Lower Upper

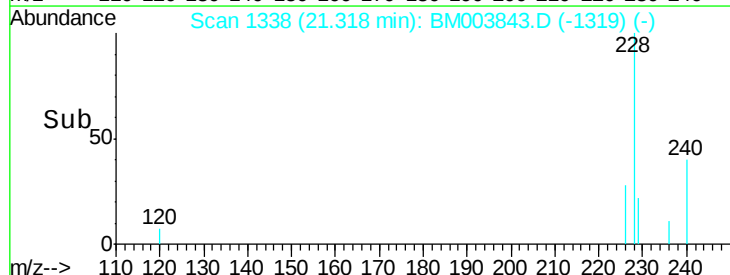
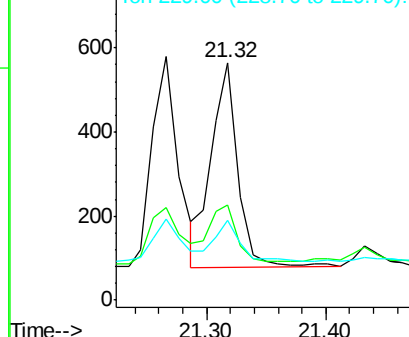
228 100

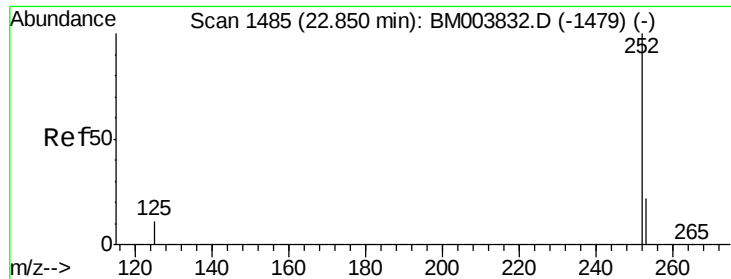
226 40.2 21.2 31.8#

229 33.8 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# 1478

Delta R.T. -0.07 min

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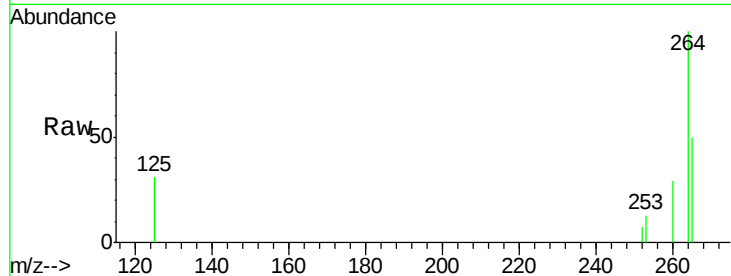
Tgt Ion:252 Resp: 57

Ion Ratio Lower Upper

252 100

253 187.9 0.0 45.4#

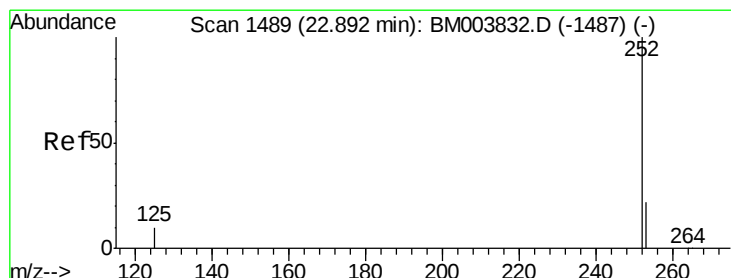
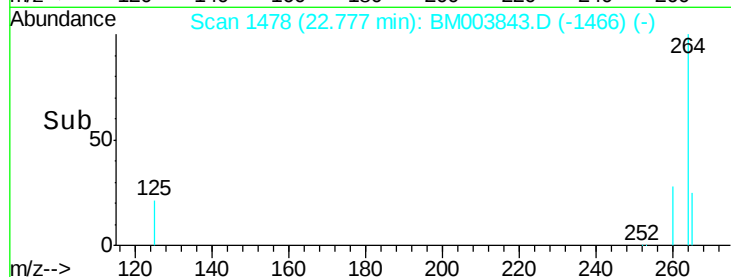
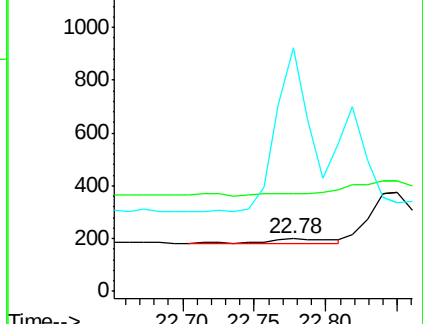
125 465.7 0.0 28.8#



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



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

RT: 22.78 min Scan# 1478

Delta R.T. -0.11 min

Lab File: BM003843.D

Acq: 28 Dec 2015 23:57

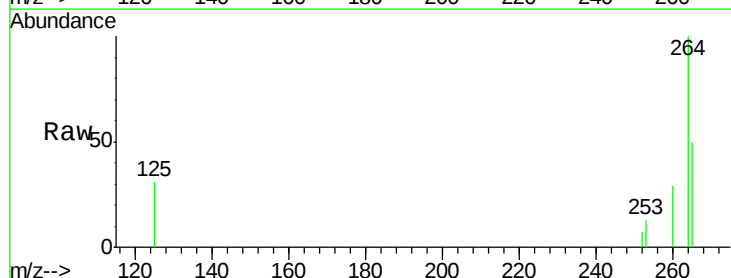
Tgt Ion:252 Resp: 57

Ion Ratio Lower Upper

252 100

253 187.9 19.8 29.8#

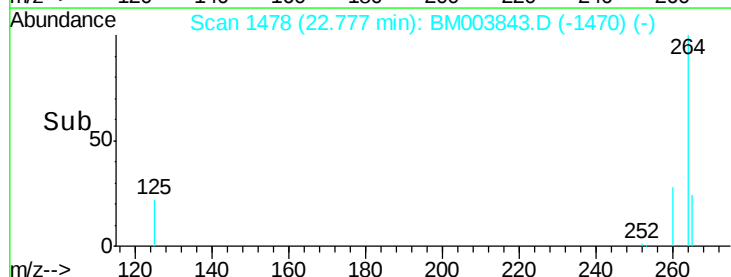
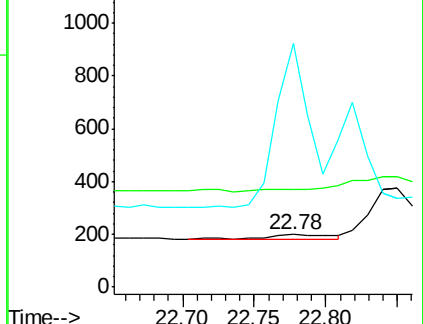
125 465.7 10.4 15.6#

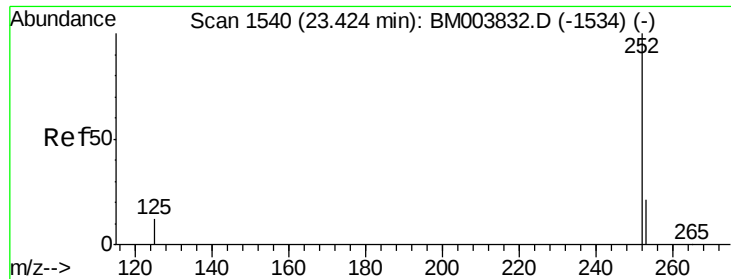


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.37 min Scan# 1535

Delta R.T. -0.05 min

Lab File: BM003843.D

Acq: 28 Dec 2015 23:57

Instrument :

BNA\_M

ClientSampleId :

D9N55

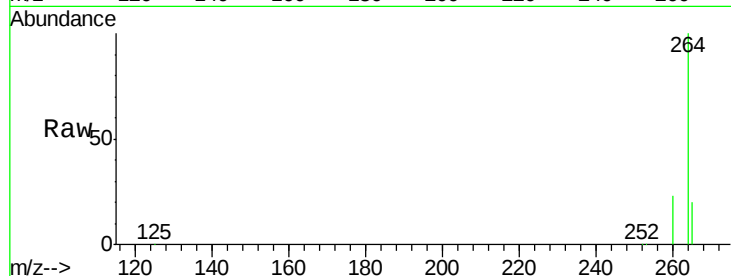
Tgt Ion: 252 Resp: 5195

Ion Ratio Lower Upper

252 100

253 37.2 19.4 29.2#

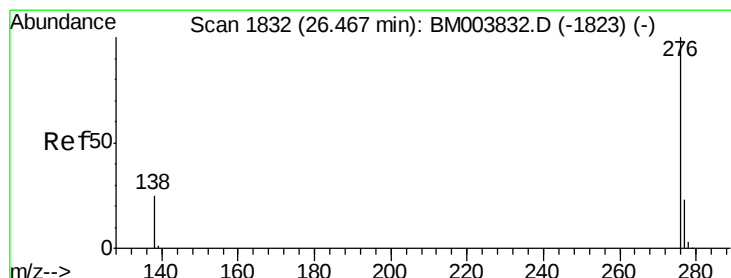
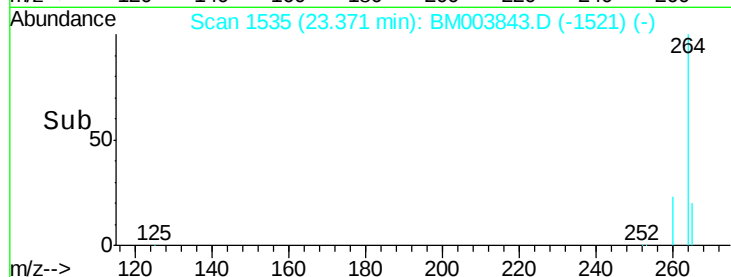
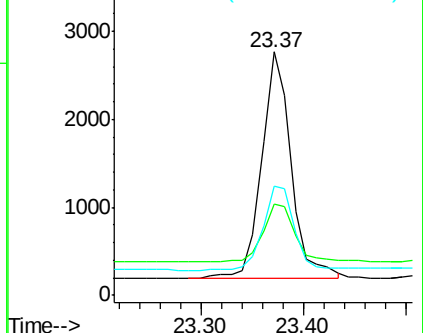
125 44.7 12.7 19.1#



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: 26.29 min Scan# 1815

Delta R.T. -0.18 min

Lab File: BM003843.D

Acq: 28 Dec 2015 23:57

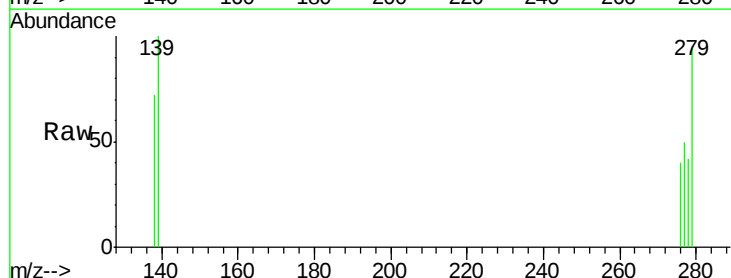
Tgt Ion: 276 Resp: 7

Ion Ratio Lower Upper

276 100

277 123.5 18.9 28.3#

138 177.9 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

