

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM022715\  
 Data File : BM000625.D  
 Acq On : 28 Feb 2015 03:24  
 Operator : TP/IZ  
 Sample : MDL-BLK-S  
 Misc : MDL-SOIL-BLK-SBLK29  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Feb 28 05:04:55 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-SIM-BM022715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 27 23:02:43 2015  
 Response via : Initial Calibration

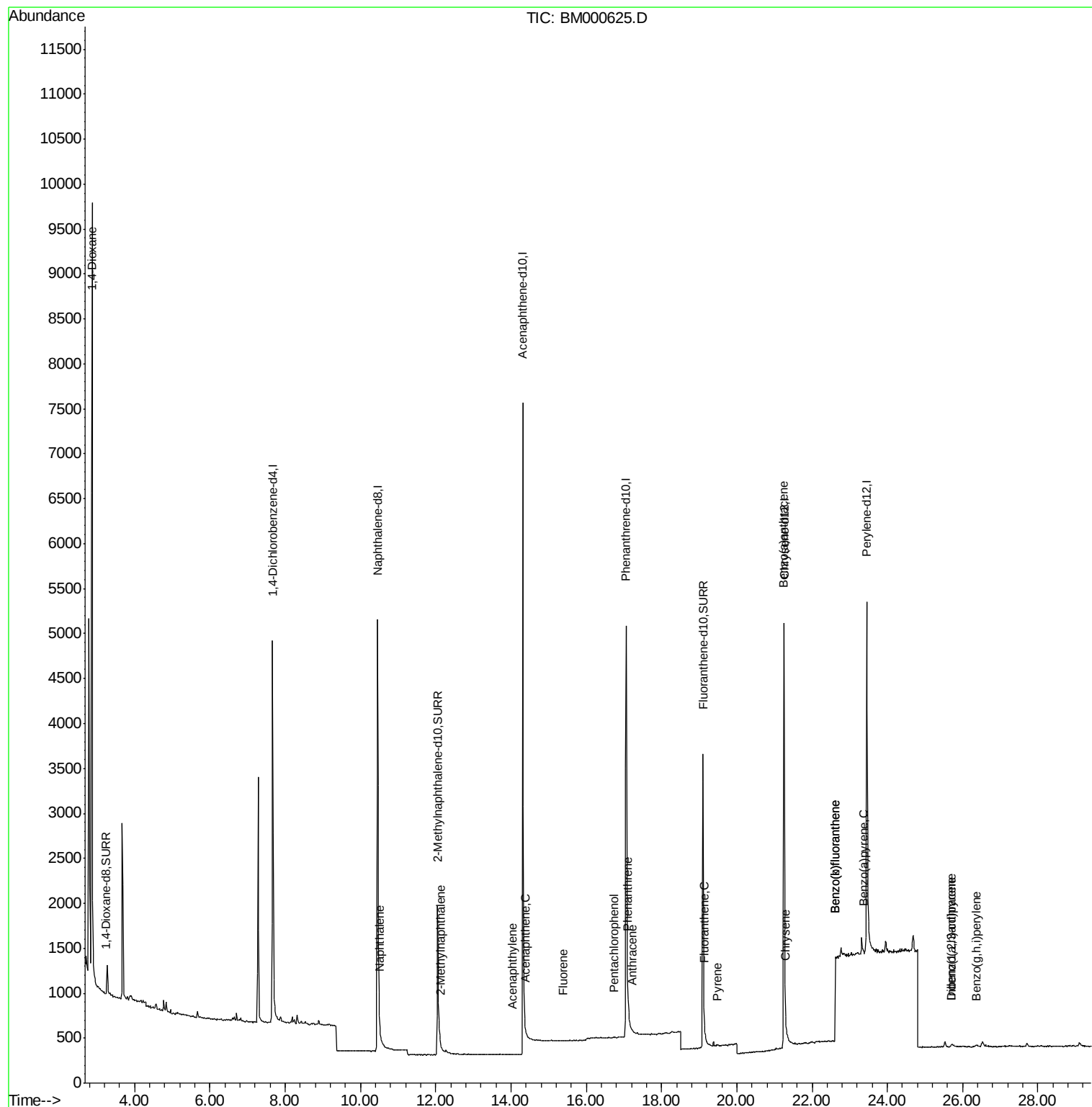
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.67  | 152  | 2635     | 0.40   | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.46 | 136  | 8788     | 0.40   | ng/ul  | 0.00     |
| 8) Acenaphthene-d10         | 14.31 | 164  | 4555     | 0.40   | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.07 | 188  | 8992     | 0.40   | ng/ul  | 0.00     |
| 18) Chrysene-d12            | 21.26 | 240  | 6832     | 0.40   | ng/ul  | 0.01     |
| 22) Perylene-d12            | 23.46 | 264  | 5982     | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 2) 1,4-Dioxane-d8           | 3.23  | 96   | 47       | 0.03   | ng/uL  | 0.09     |
| 6) 2-Methylnaphthalene-d10  | 12.06 | 152  | 3283     | 0.31   | ng/ul  | 0.01     |
| 16) Fluoranthene-d10        | 19.10 | 212  | 5623     | 0.34   | ng/ul  | 0.01     |
| Target Compounds            |       |      |          | Qvalue |        |          |
| 3) 1,4-Dioxane              | 2.87  | 88   | 2514     | 0.92   | ng/ul# | 1        |
| 5) Naphthalene              | 10.50 | 128  | 17       | 0.00   | ng/ul# | 1        |
| 7) 2-Methylnaphthalene      | 12.12 | 142  | 9        | 0.00   | ng/ul  | 100      |
| 9) Acenaphthylene           | 14.03 | 152  | 4        | 0.00   | ng/ul# | 1        |
| 10) Acenaphthene            | 14.38 | 153  | 4        | 0.00   | ng/ul# | 75       |
| 11) Fluorene                | 15.38 | 166  | 5        | 0.00   | ng/ul# | 53       |
| 13) Pentachlorophenol       | 16.72 | 266  | 9        | 0.01   | ng/ul# | 38       |
| 14) Phenanthrene            | 17.10 | 178  | 12       | 0.00   | ng/ul# | 1        |
| 15) Anthracene              | 17.22 | 178  | 7        | 0.00   | ng/ul# | 1        |
| 17) Fluoranthene            | 19.12 | 202  | 17       | 0.00   | ng/ul# | 1        |
| 19) Pyrene                  | 19.49 | 202  | 15       | 0.00   | ng/ul# | 1        |
| 20) Benzo(a)anthracene      | 21.25 | 228  | 44       | 0.00   | ng/ul# | 1        |
| 21) Chrysene                | 21.29 | 228  | 49       | 0.00   | ng/ul# | 1        |
| 23) Benzo(b)fluoranthene    | 22.60 | 252  | 739      | 0.04   | ng/ul# | 1        |
| 24) Benzo(k)fluoranthene    | 22.60 | 252  | 739      | 0.04   | ng/ul# | 1        |
| 25) Benzo(a)pyrene          | 23.36 | 252  | 61       | 0.00   | ng/ul# | 1        |
| 26) Indeno(1,2,3-cd)pyrene  | 25.70 | 276  | 51       | 0.00   | ng/ul# | 84       |
| 27) Dibenzo(a,h)anthracene  | 25.71 | 278  | 49       | 0.00   | ng/ul# | 1        |
| 28) Benzo(g,h,i)perylene    | 26.37 | 276  | 56       | 0.00   | ng/ul# | 1        |

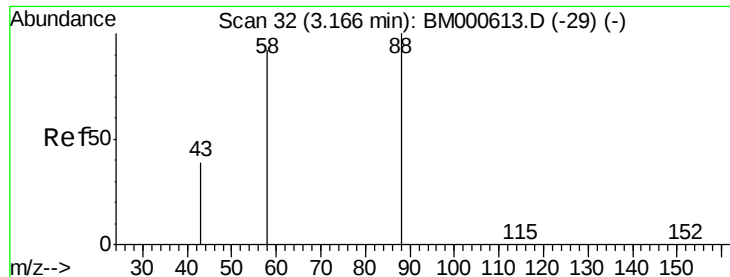
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 27 23:02:43 2015  
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 0.92 ng/ul

RT: 2.87 min Scan# 13

Delta R.T. -0.29 min

Lab File: BM000625.D

Acq: 28 Feb 2015 03:24

Instrument :

BNA\_M

ClientSampleId :

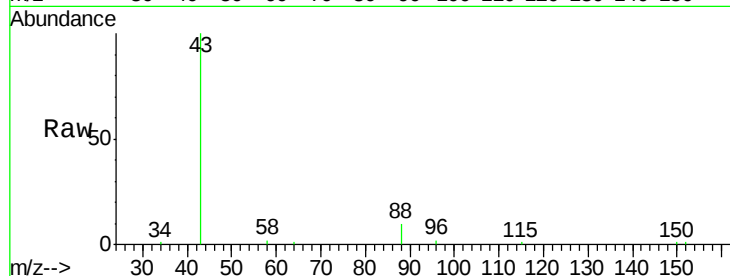
Tgt Ion: 88 Resp: 2514

Ion Ratio Lower Upper

88 100

58 5.9 62.7 94.1#

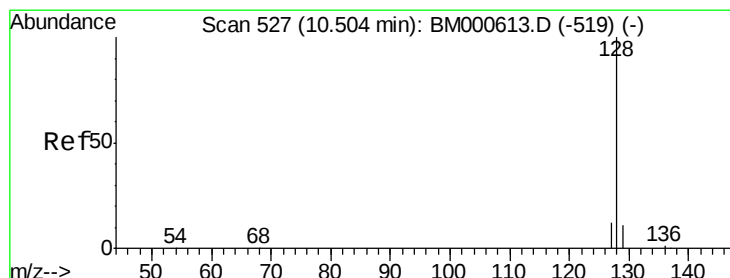
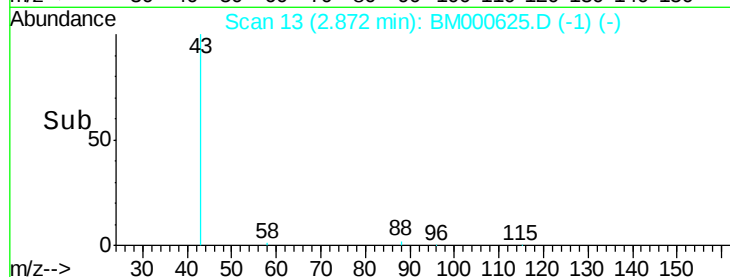
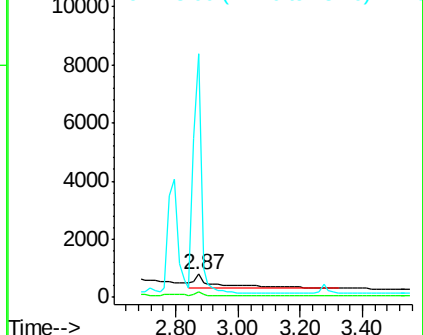
43 559.1 28.8 43.2#



Abundance Ion 88.00 (87.70 to 88.70): BM000625.D (-13) (-)

Ion 58.00 (57.70 to 58.70): BM000625.D (-13) (-)

Ion 43.00 (42.70 to 43.70): BM000625.D (-13) (-)



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.50 min Scan# 527

Delta R.T. -0.00 min

Lab File: BM000625.D

Acq: 28 Feb 2015 03:24

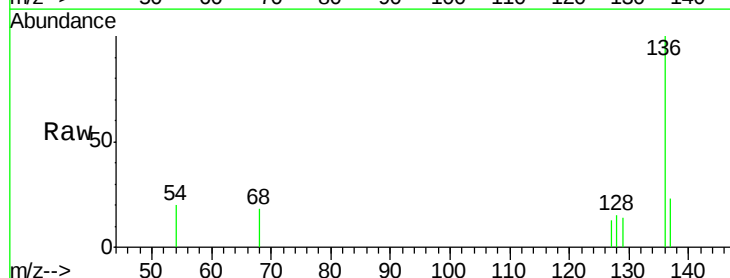
Tgt Ion: 128 Resp: 17

Ion Ratio Lower Upper

128 100

129 90.9 9.4 14.0#

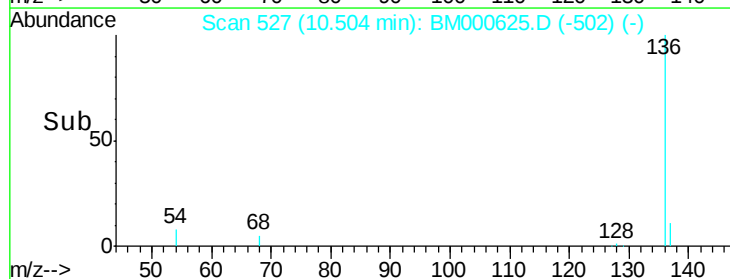
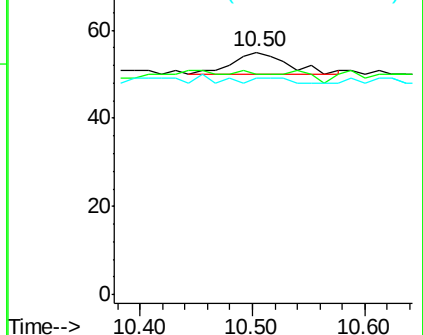
127 89.1 10.0 15.0#

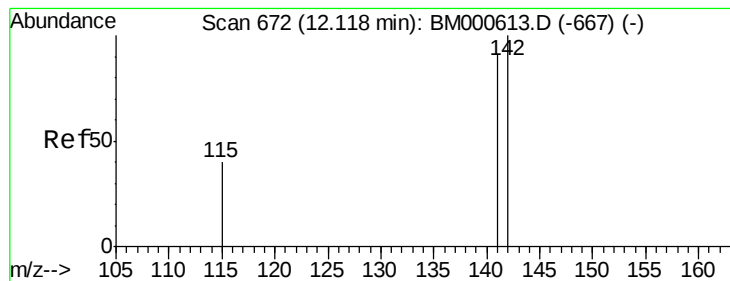


Abundance Ion 128.00 (127.70 to 128.70): BM000625.D (-527) (-)

Ion 129.00 (128.70 to 129.70): BM000625.D (-527) (-)

Ion 127.00 (126.70 to 127.70): BM000625.D (-527) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.12 min Scan# 672

Delta R.T. -0.00 min

Lab File: BM000625.D

Acq: 28 Feb 2015 03:24

Instrument :

BNA\_M

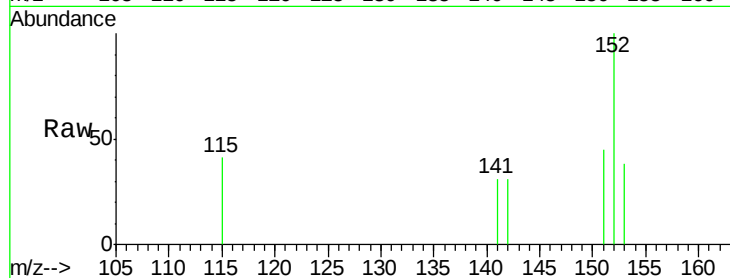
ClientSampleId :

Tgt Ion:142 Resp: 9

Ion Ratio Lower Upper

142 100

141 88.9 71.2 106.8

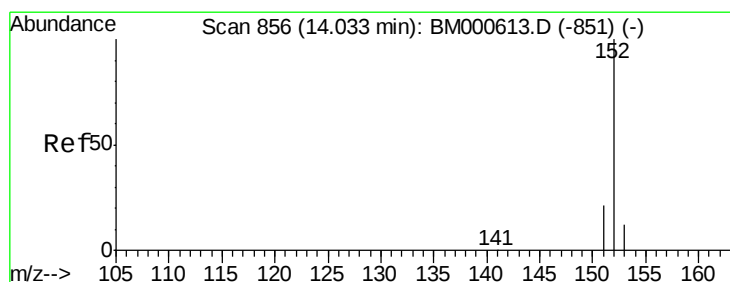
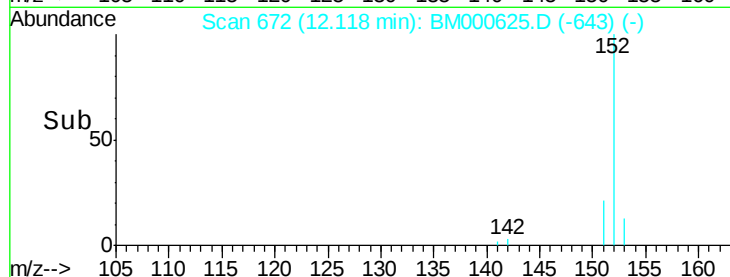


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.12

Time--> 12.10 12.15



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.03 min Scan# 856

Delta R.T. -0.00 min

Lab File: BM000625.D

Acq: 28 Feb 2015 03:24

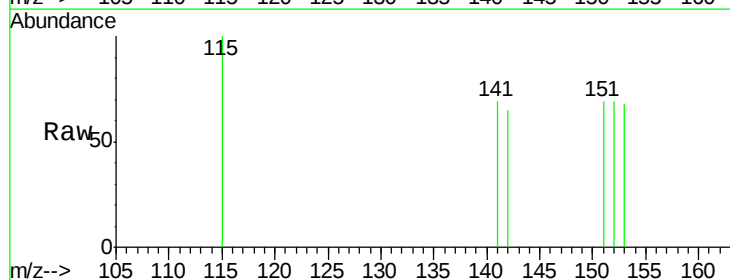
Tgt Ion:152 Resp: 4

Ion Ratio Lower Upper

152 100

151 100.0 17.0 25.6#

153 98.0 9.9 14.9#



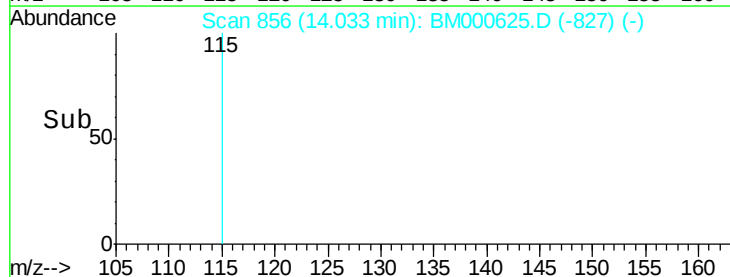
Abundance Ion 152.00 (151.70 to 152.70): E

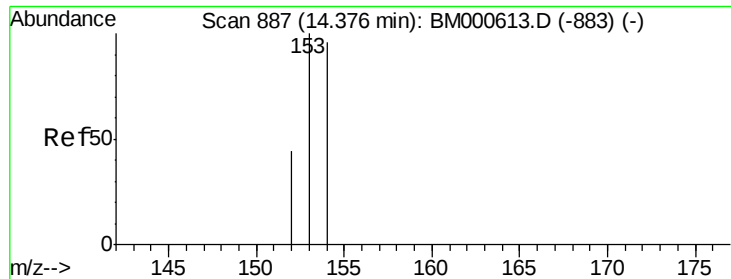
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

14.03

Time--> 14.02 14.04 14.06





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.38 min Scan# 887

Delta R.T. -0.00 min

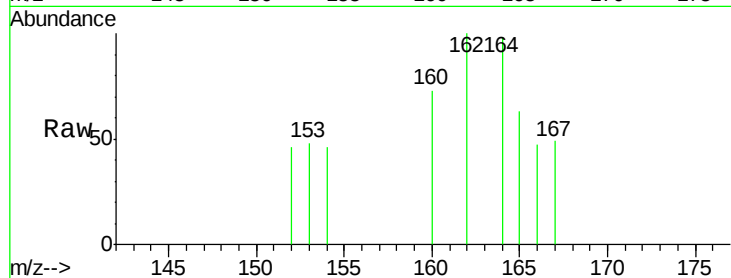
Lab File: BM000625.D

Acq: 28 Feb 2015 03:24

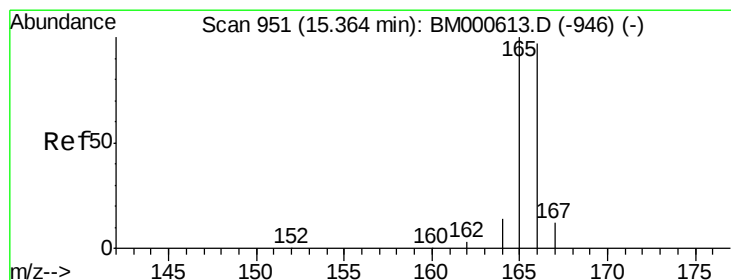
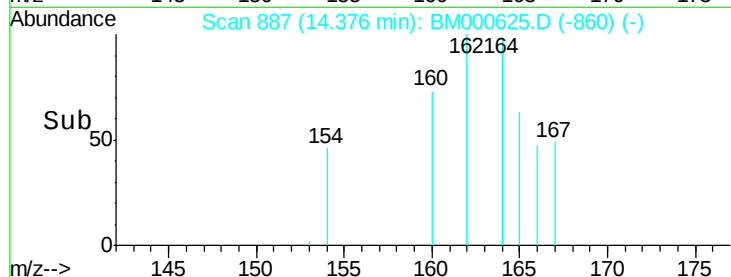
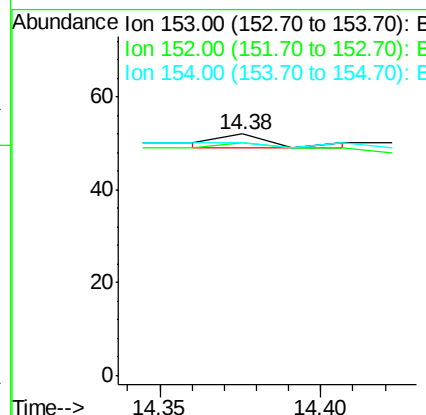
Instrument :

BNA\_M

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 153   | Resp: | 4     |
| Ion      | Ratio | Lower | Upper |
| 153      | 100   |       |       |
| 152      | 96.2  | 35.9  | 53.9# |
| 154      | 96.2  | 76.9  | 115.3 |



#11

Fluorene

Concen: 0.00 ng/ul

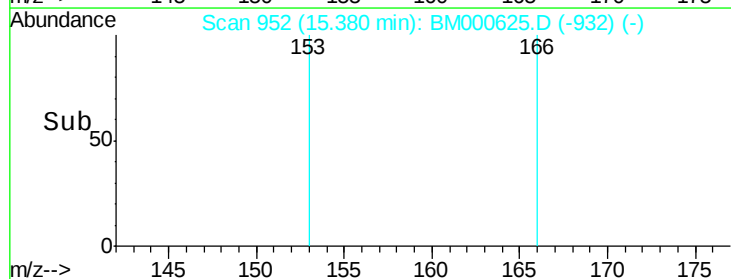
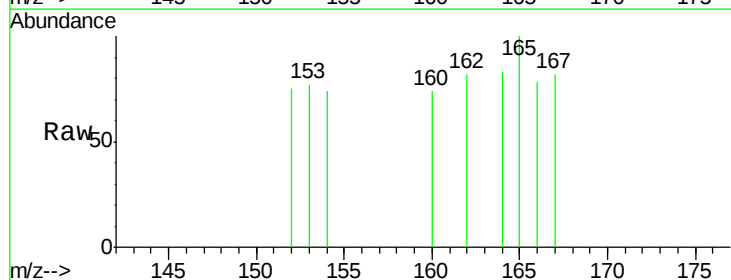
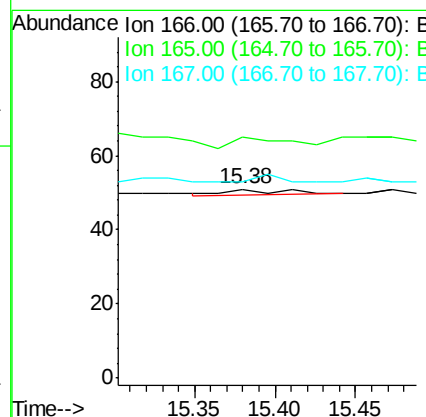
RT: 15.38 min Scan# 952

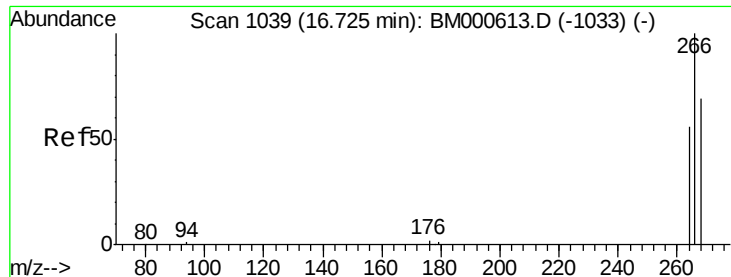
Delta R.T. 0.02 min

Lab File: BM000625.D

Acq: 28 Feb 2015 03:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 166   | Resp: | 5      |
| Ion      | Ratio | Lower | Upper  |
| 166      | 100   |       |        |
| 165      | 127.5 | 82.5  | 123.7# |
| 167      | 103.9 | 10.6  | 16.0#  |





#13

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 16.72 min Scan# 1039

Delta R.T. -0.00 min

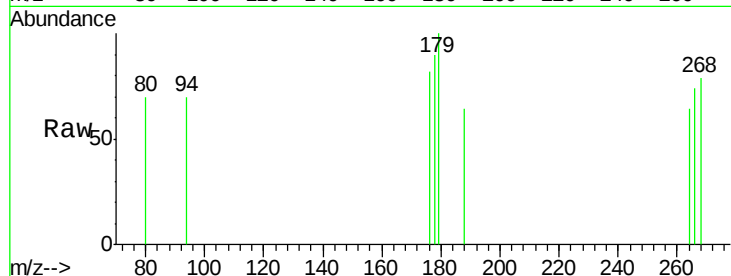
Lab File: BM000625.D

Acq: 28 Feb 2015 03:24

Instrument :

BNA\_M

ClientSampleId :



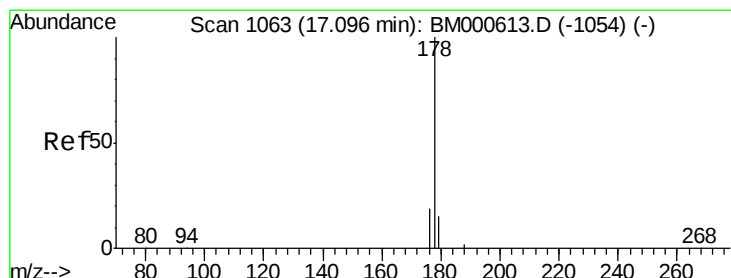
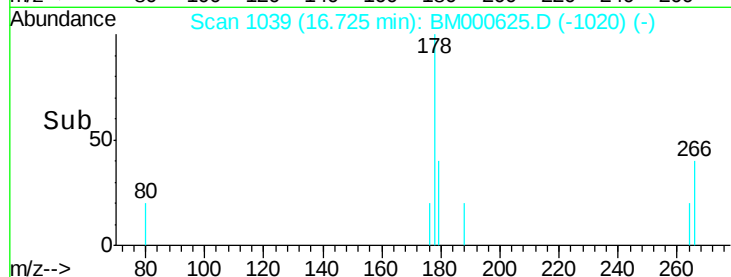
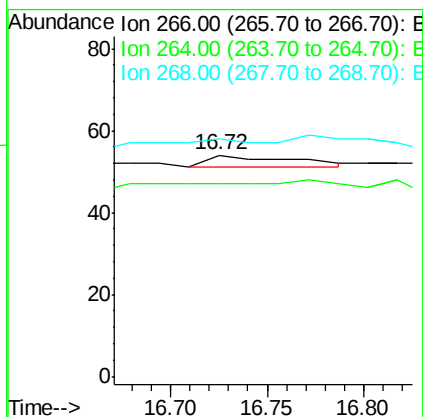
Tgt Ion: 266 Resp: 9

Ion Ratio Lower Upper

266 100

264 0.0 51.0 76.6#

268 33.3 54.9 82.3#



#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.10 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BM000625.D

Acq: 28 Feb 2015 03:24

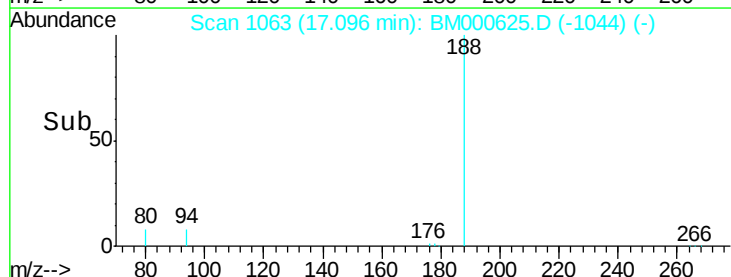
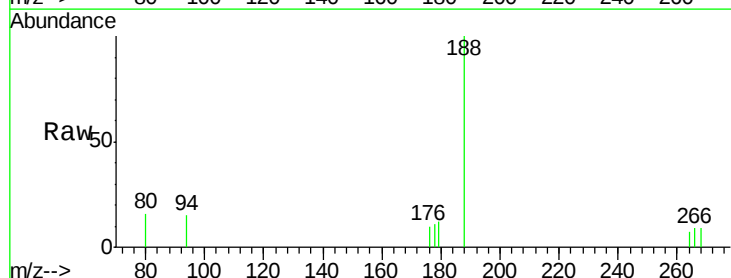
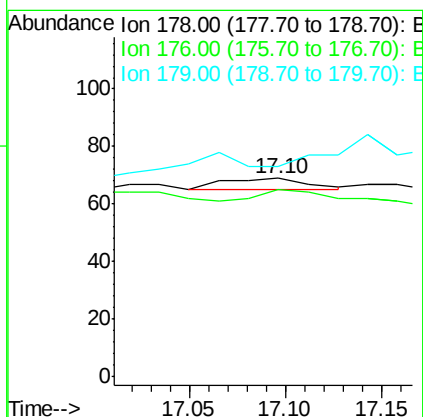
Tgt Ion: 178 Resp: 12

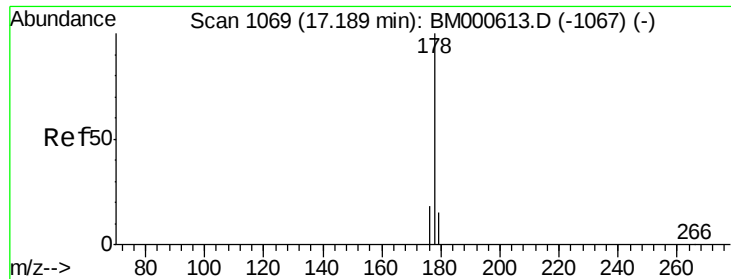
Ion Ratio Lower Upper

178 100

176 94.2 15.3 22.9#

179 105.8 12.2 18.2#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.22 min Scan# 1071

Delta R.T. 0.03 min

Lab File: BM000625.D

Acq: 28 Feb 2015 03:24

Instrument :

BNA\_M

ClientSampleId :

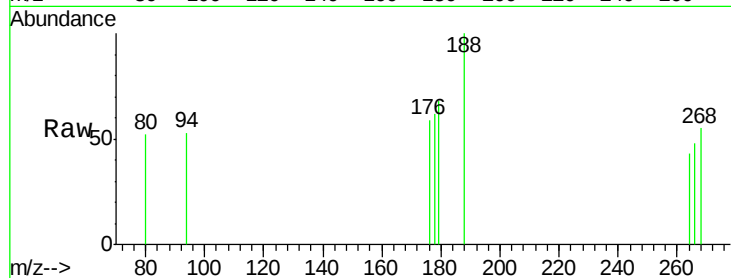
Tgt Ion:178 Resp: 7

Ion Ratio Lower Upper

178 100

176 95.6 14.6 22.0#

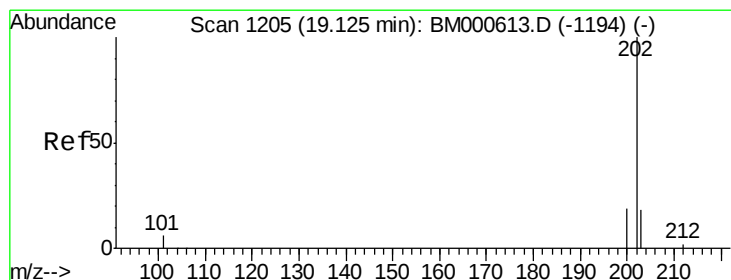
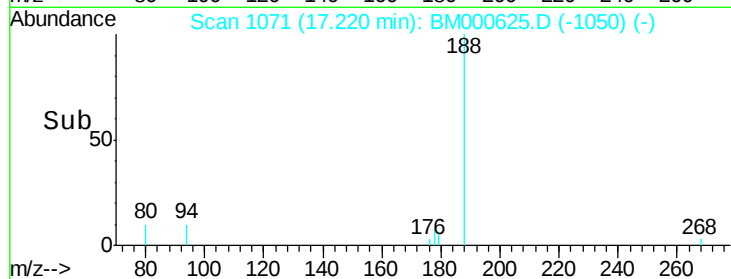
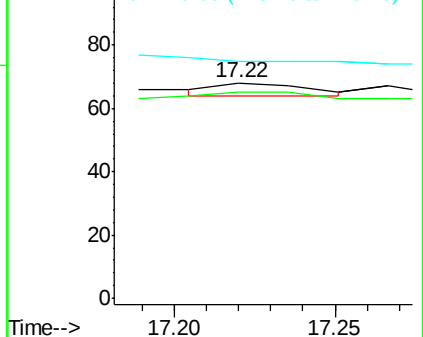
179 110.3 12.9 19.3#



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: 19.12 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BM000625.D

Acq: 28 Feb 2015 03:24

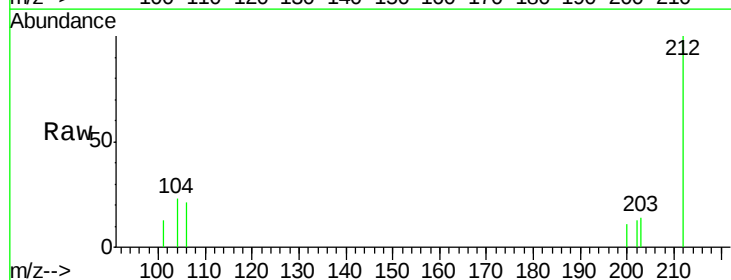
Tgt Ion:202 Resp: 17

Ion Ratio Lower Upper

202 100

101 101.9 0.0 26.2#

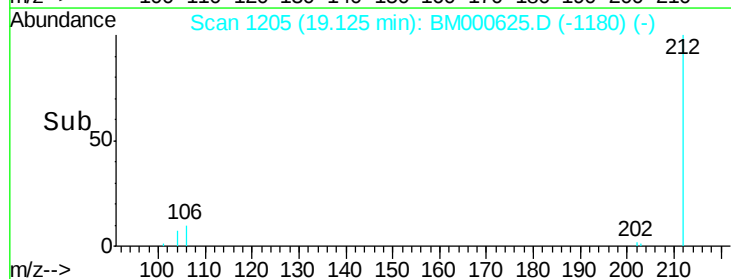
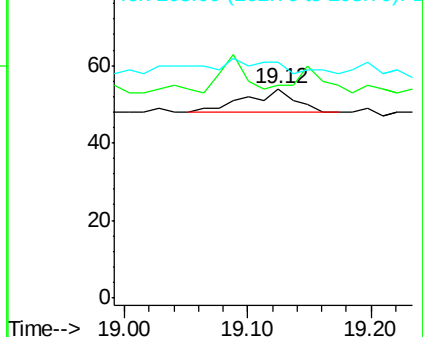
203 113.0 0.0 38.3#

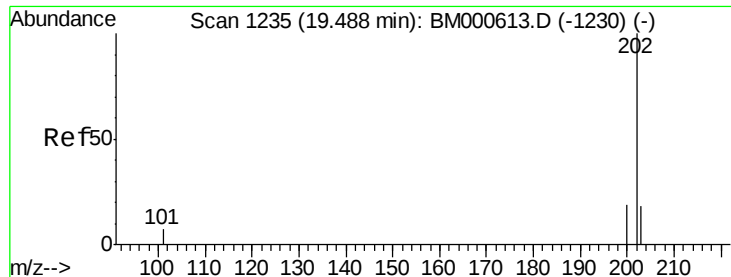


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.00 ng/ul

RT: 19.49 min Scan# 1235

Delta R.T. -0.00 min

Lab File: BM000625.D

Acq: 28 Feb 2015 03:24

Instrument :

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ClientSampleId :

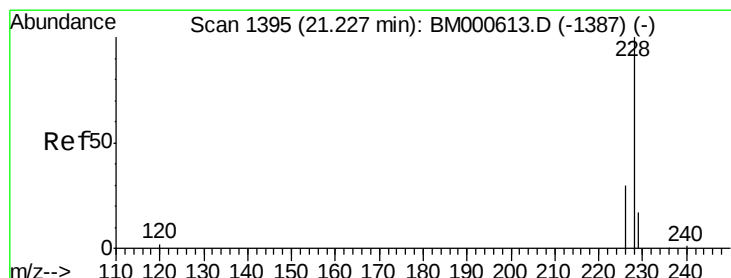
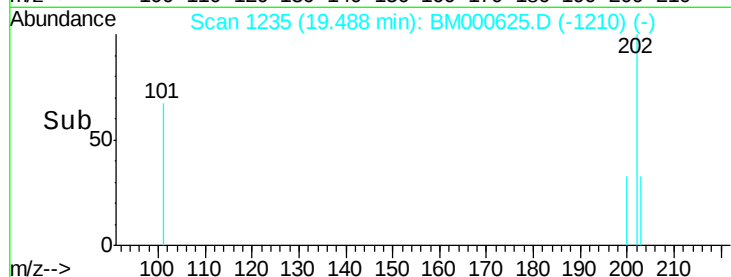
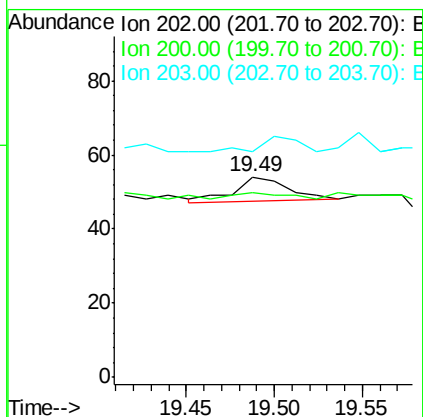
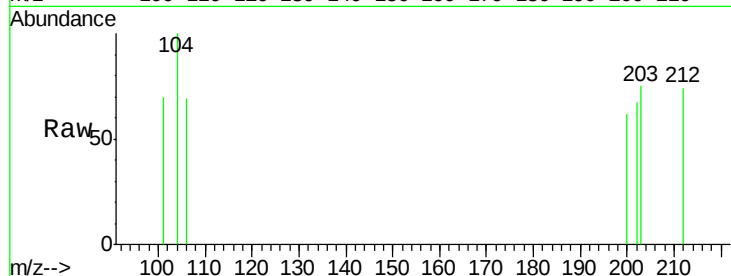
Tgt Ion:202 Resp: 15

Ion Ratio Lower Upper

202 100

200 92.6 15.7 23.5#

203 113.0 14.8 22.2#



#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 21.25 min Scan# 1397

Delta R.T. 0.02 min

Lab File: BM000625.D

Acq: 28 Feb 2015 03:24

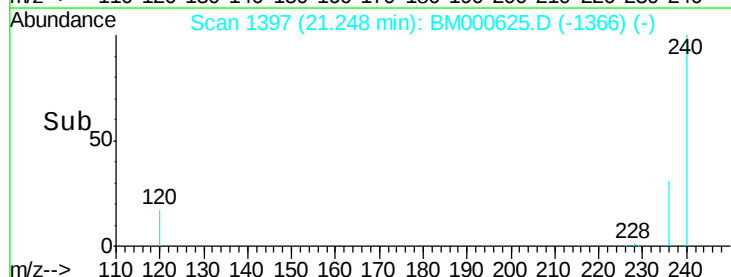
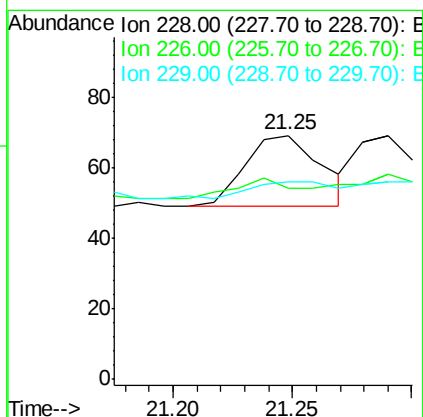
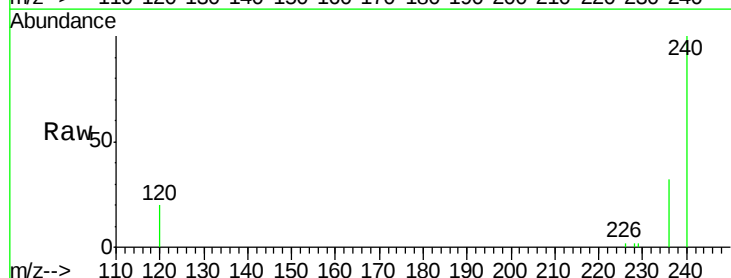
Tgt Ion:228 Resp: 44

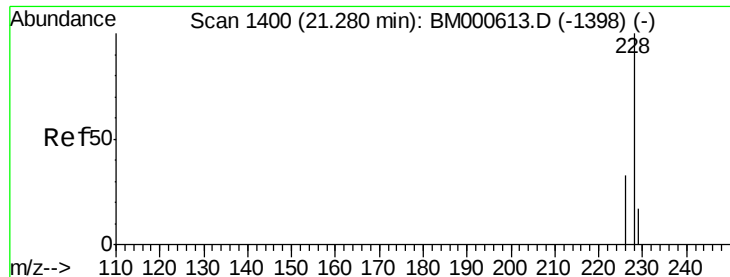
Ion Ratio Lower Upper

228 100

226 78.3 24.1 36.1#

229 81.2 14.2 21.4#





#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.29 min Scan# 1401

Delta R.T. 0.01 min

Lab File: BM000625.D

Acq: 28 Feb 2015 03:24

Instrument :

BNA\_M

ClientSampleId :

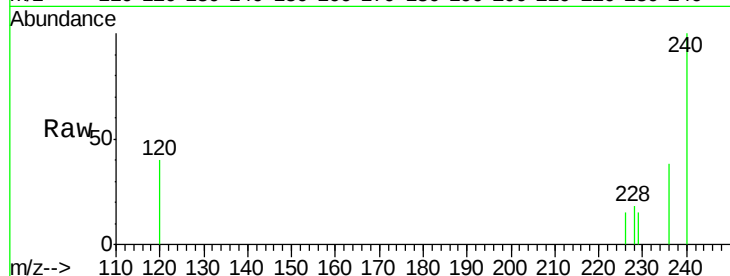
Tgt Ion:228 Resp: 49

Ion Ratio Lower Upper

228 100

226 84.1 26.5 39.7#

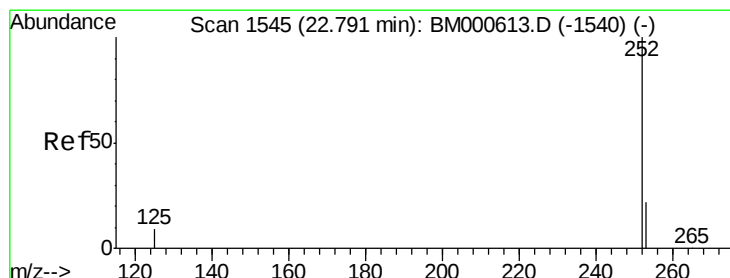
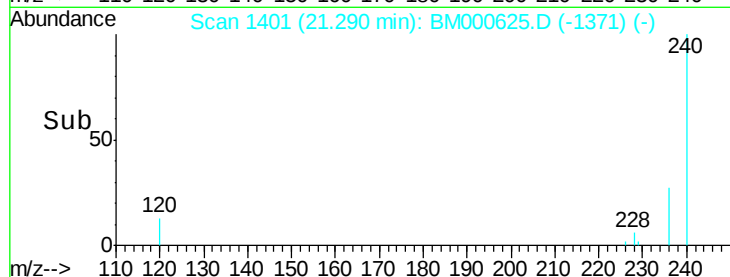
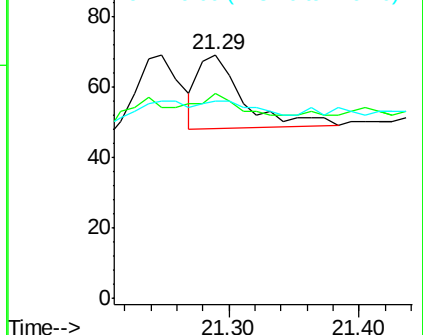
229 81.2 14.3 21.5#



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: 0.04 ng/ul

RT: 22.60 min Scan# 1527

Delta R.T. -0.19 min

Lab File: BM000625.D

Acq: 28 Feb 2015 03:24

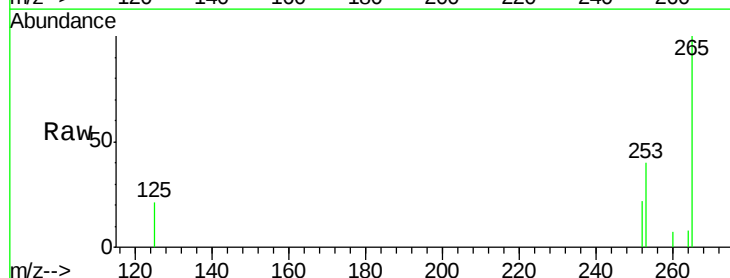
Tgt Ion:252 Resp: 739

Ion Ratio Lower Upper

252 100

253 183.1 0.0 51.2#

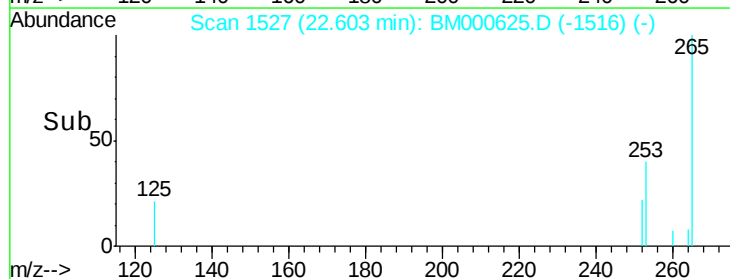
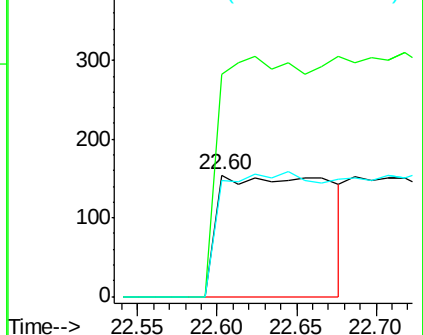
125 95.5 0.0 22.8#

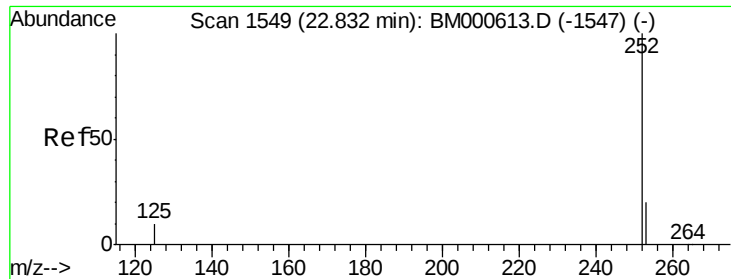


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.04 ng/u1

RT: 22.60 min Scan# 1527

Delta R.T. -0.23 min

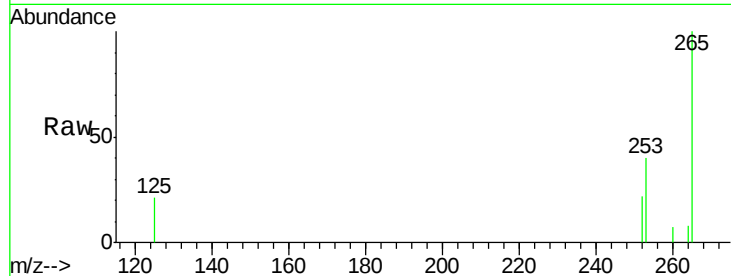
Lab File: BM000625.D

Acq: 28 Feb 2015 03:24

Instrument :

BNA\_M

ClientSampleId :



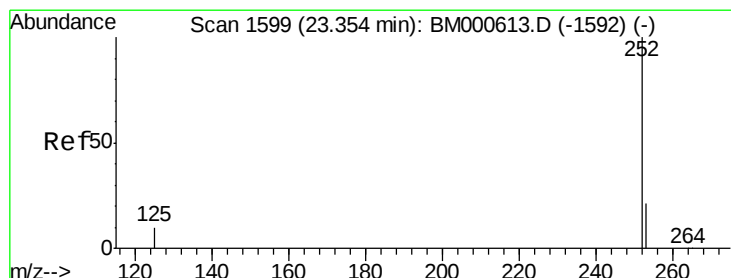
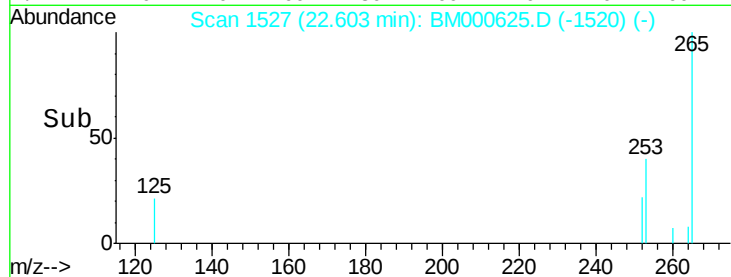
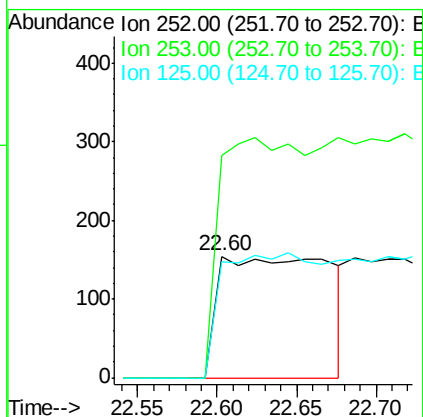
Tgt Ion:252 Resp: 739

Ion Ratio Lower Upper

252 100

253 183.1 20.2 30.2#

125 95.5 9.6 14.4#



#25

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 23.36 min Scan# 1600

Delta R.T. 0.01 min

Lab File: BM000625.D

Acq: 28 Feb 2015 03:24

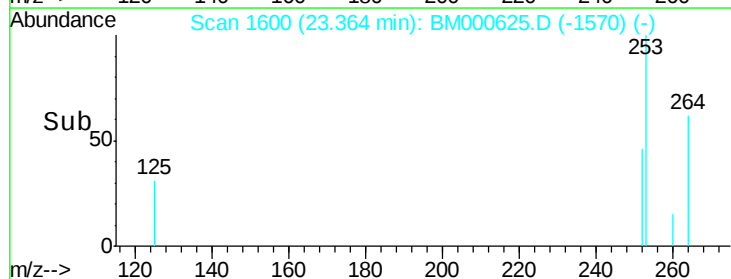
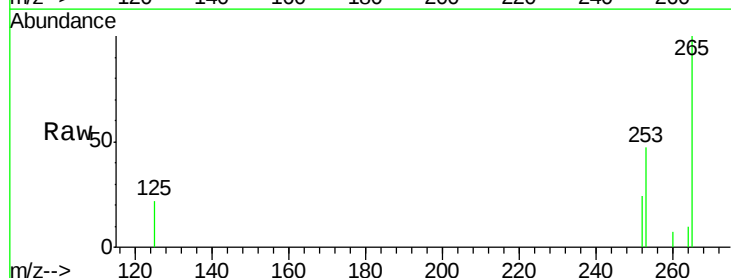
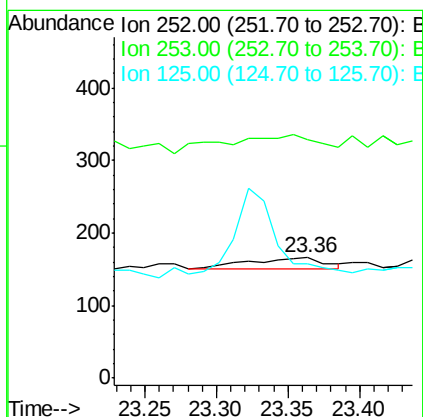
Tgt Ion:252 Resp: 61

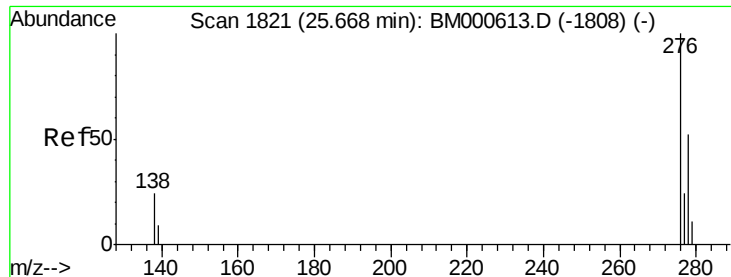
Ion Ratio Lower Upper

252 100

253 197.6 21.3 31.9#

125 95.2 10.6 15.8#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.70 min Scan# 1824

Delta R.T. 0.03 min

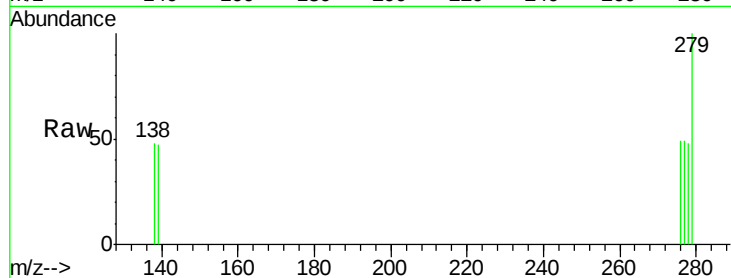
Lab File: BM000625.D

Acq: 28 Feb 2015 03:24

Instrument :

BNA\_M

ClientSampleId :



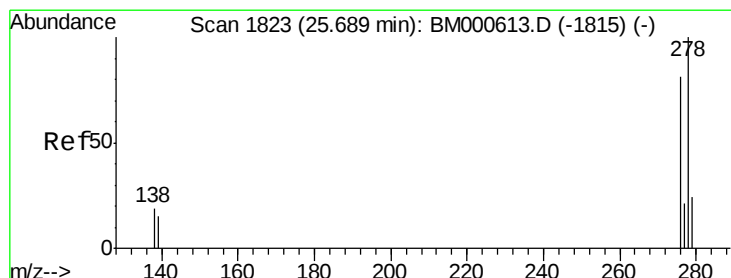
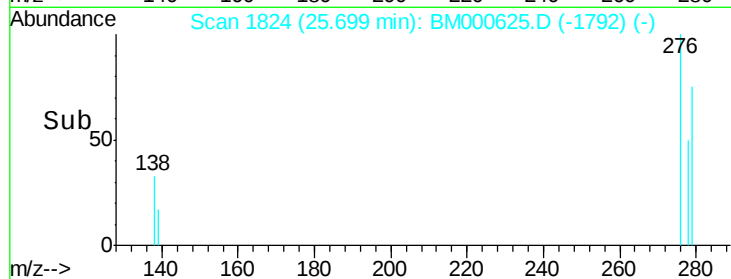
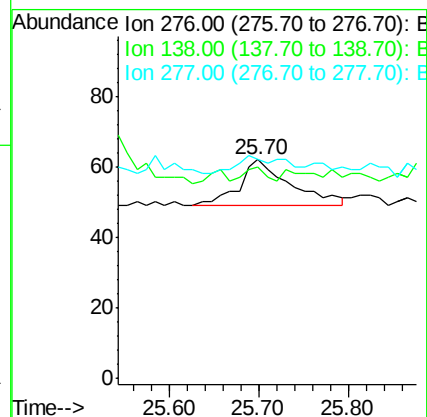
Tgt Ion:276 Resp: 51

Ion Ratio Lower Upper

276 100

138 11.8 19.7 29.5#

277 21.6 19.9 29.9



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.71 min Scan# 1825

Delta R.T. 0.02 min

Lab File: BM000625.D

Acq: 28 Feb 2015 03:24

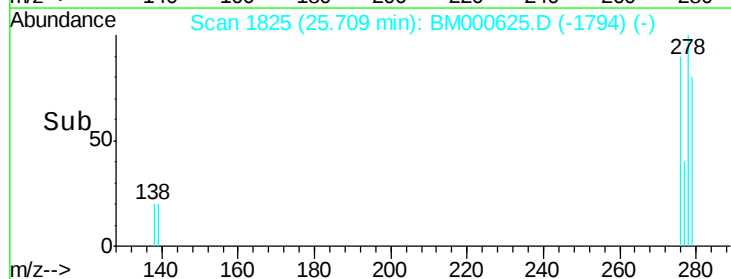
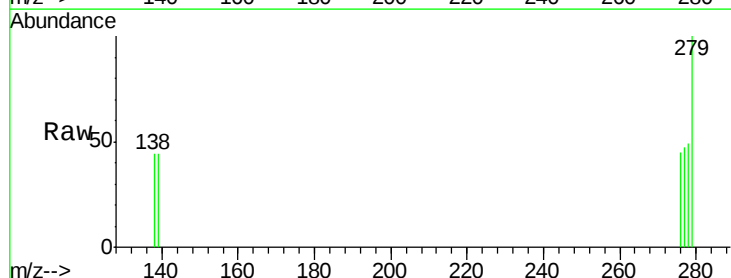
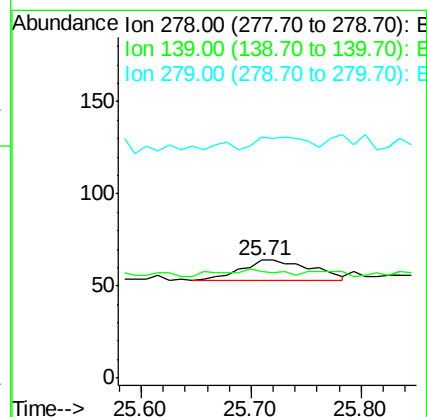
Tgt Ion:278 Resp: 49

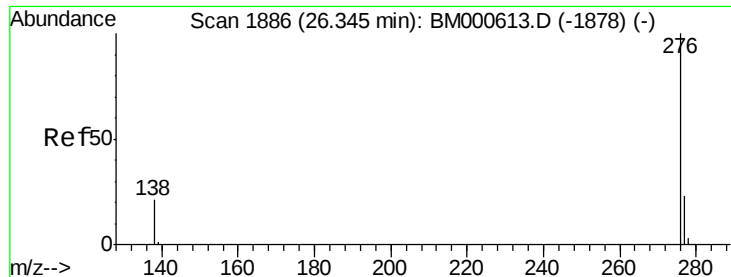
Ion Ratio Lower Upper

278 100

139 90.6 13.3 19.9#

279 204.7 21.9 32.9#





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.37 min Scan# 1888

Delta R.T. 0.02 min

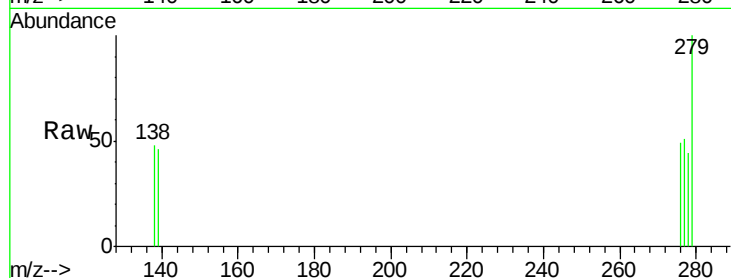
Lab File: BM000625.D

Acq: 28 Feb 2015 03:24

Instrument :

BNA\_M

ClientSampleId :



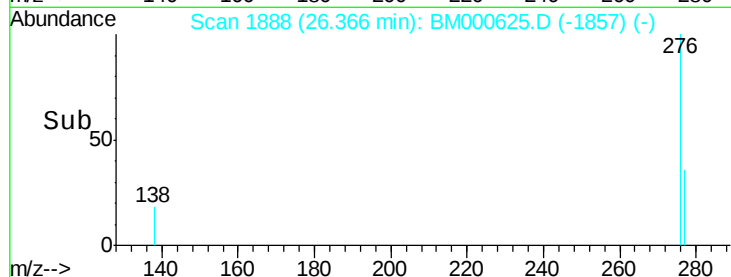
Tgt Ion: 276 Resp: 56

Ion Ratio Lower Upper

276 100

277 103.3 19.8 29.8#

138 98.4 17.8 26.6#



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

