

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM020515\  
 Data File : BM000433.D  
 Acq On : 05 Feb 2015 19:01  
 Operator : TP/IZ  
 Sample : G1147-03DL 2X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 X1G08DL

Quant Time: Feb 06 06:39:26 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-SIM-BM020515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 05 14:01:48 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.73  | 152  | 1988     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.51 | 136  | 6521     | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.38 | 164  | 4115     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.12 | 188  | 8035     | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.31 | 240  | 7215     | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.55 | 264  | 6563     | 0.40 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.11 | 152  | 3043     | 0.35 | ng/ul | 0.00     |
| 14) Fluoranthene-d10        | 19.15 | 212  | 6445     | 0.37 | ng/ul | 0.00     |

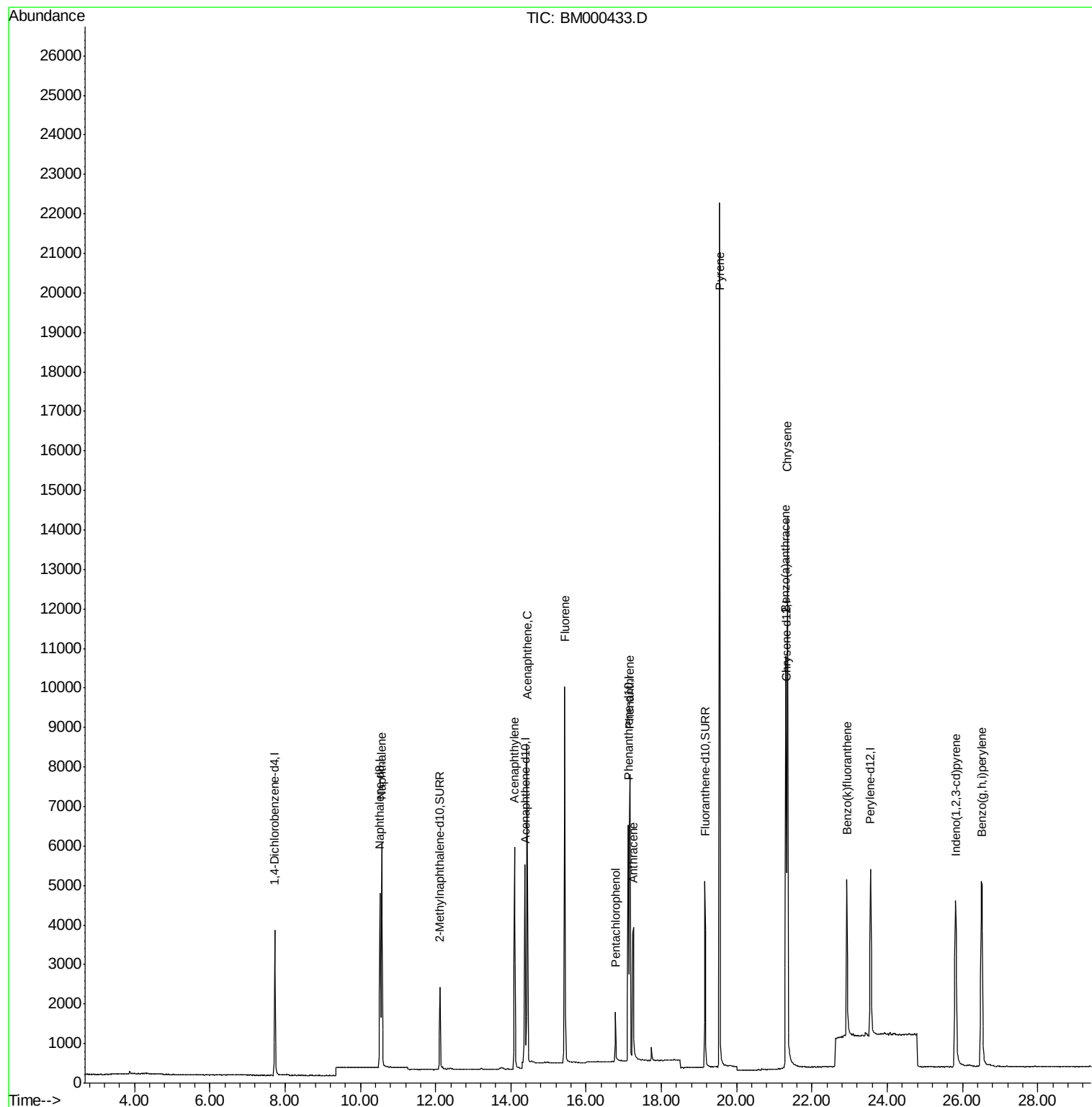
| Target Compounds           | R.T.  | QIon | Response | Conc | Units  | Qvalue |
|----------------------------|-------|------|----------|------|--------|--------|
| 3) Naphthalene             | 10.56 | 128  | 8013     | 0.48 | ng/ul  | 100    |
| 7) Acenaphthylene          | 14.10 | 152  | 7013     | 0.41 | ng/ul  | 99     |
| 8) Acenaphthene            | 14.43 | 153  | 5227     | 0.41 | ng/ul  | 98     |
| 9) Fluorene                | 15.43 | 166  | 7520     | 0.50 | ng/ul  | 99     |
| 11) Pentachlorophenol      | 16.78 | 266  | 1040     | 0.56 | ng/ul  | 96     |
| 12) Phenanthrene           | 17.16 | 178  | 9484     | 0.41 | ng/ul  | 99     |
| 13) Anthracene             | 17.26 | 178  | 5591     | 0.26 | ng/ul  | 99     |
| 17) Pyrene                 | 19.55 | 202  | 23079    | 0.83 | ng/ul  | 98     |
| 18) Benzo(a)anthracene     | 21.29 | 228  | 9845     | 0.43 | ng/ul  | 97     |
| 19) Chrysene               | 21.34 | 228  | 14703    | 0.60 | ng/ul  | 98     |
| 22) Benzo(k)fluoranthene   | 22.93 | 252  | 6539     | 0.28 | ng/ul# | 94     |
| 24) Indeno(1,2,3-cd)pyrene | 25.82 | 276  | 9828     | 0.39 | ng/ul  | 94     |
| 26) Benzo(g,h,i)perylene   | 26.50 | 276  | 10945    | 0.50 | ng/ul  | 98     |

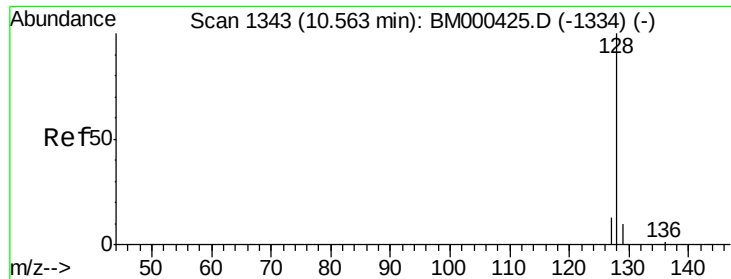
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-SIM-BM020515.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Feb 05 14:01:48 2015  
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.48 ng/ul

RT: 10.56 min Scan# 1343

Delta R.T. 0.00 min

Lab File: BM000433.D

Acq: 05 Feb 2015 19:01

Instrument :

BNA\_M

ClientSampleId :

X1G08DL

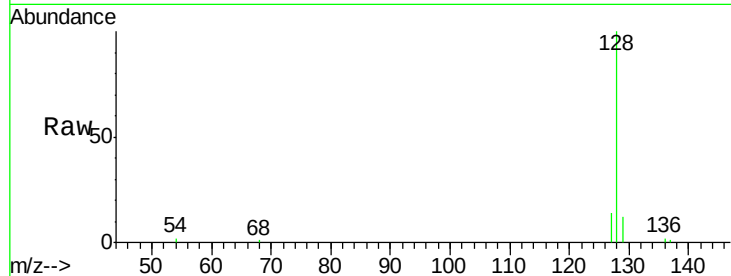
Tgt Ion:128 Resp: 8013

Ion Ratio Lower Upper

128 100

129 11.7 9.2 13.8

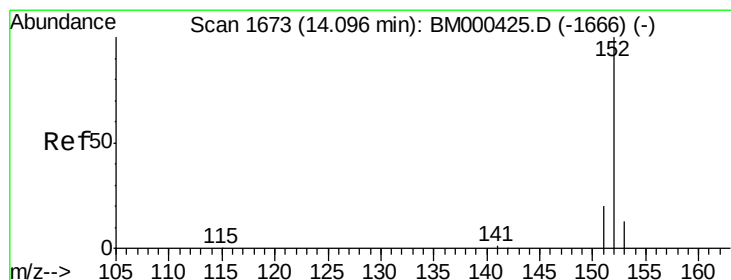
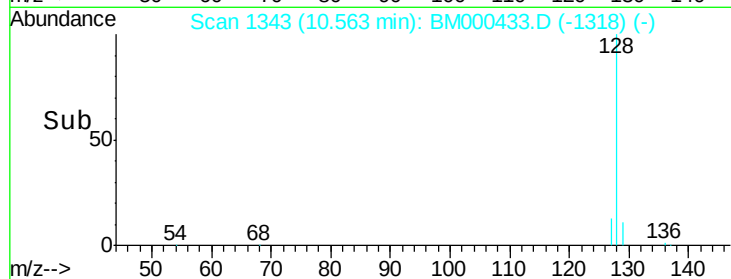
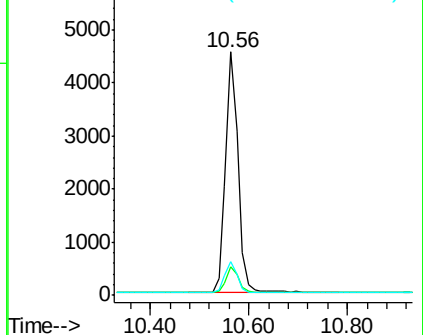
127 14.0 11.4 17.0



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

Acenaphthylene

Concen: 0.41 ng/ul

RT: 14.10 min Scan# 1673

Delta R.T. 0.00 min

Lab File: BM000433.D

Acq: 05 Feb 2015 19:01

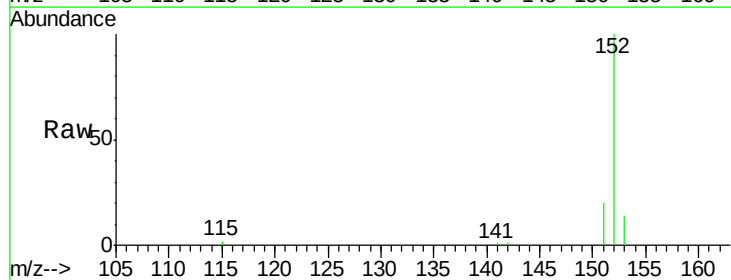
Tgt Ion:152 Resp: 7013

Ion Ratio Lower Upper

152 100

151 20.2 16.6 25.0

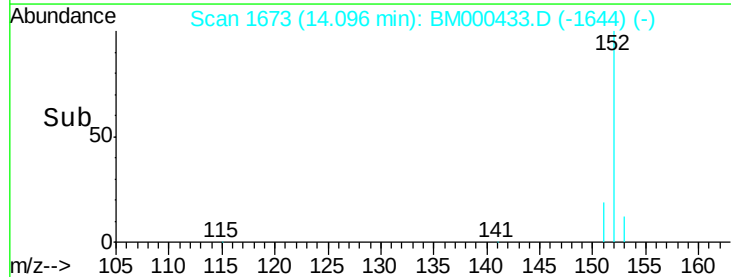
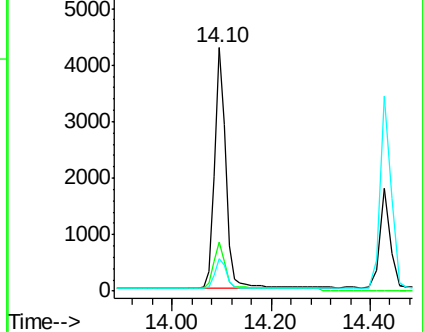
153 13.6 11.2 16.8

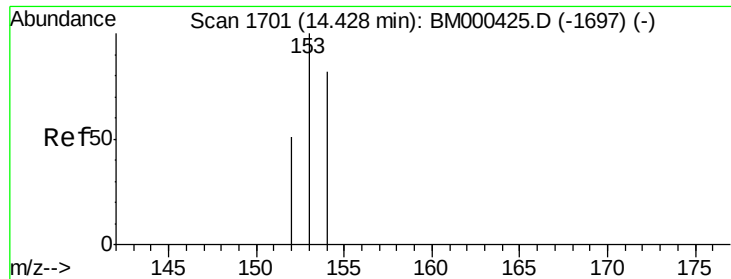


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#8

Acenaphthene

Concen: 0.41 ng/ul

RT: 14.43 min Scan# 1701

Delta R.T. 0.00 min

Lab File: BM000433.D

Acq: 05 Feb 2015 19:01

Instrument :

BNA\_M

ClientSampleId :

X1G08DL

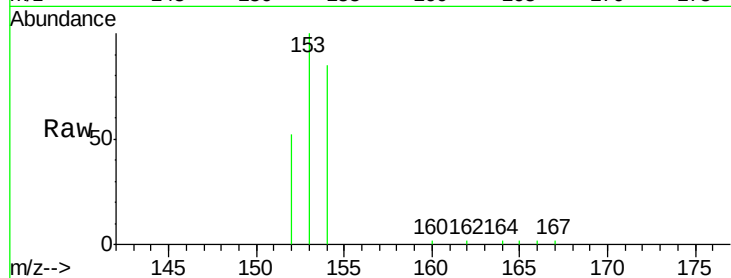
Tgt Ion:153 Resp: 5227

Ion Ratio Lower Upper

153 100

152 52.4 41.8 62.8

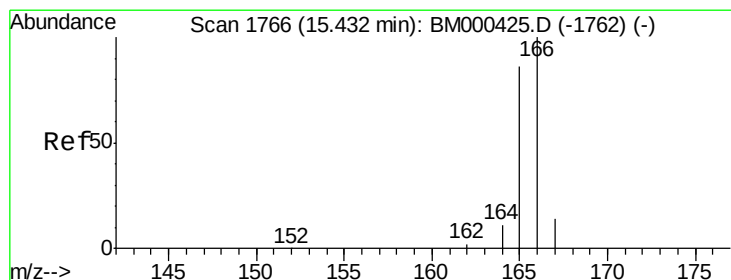
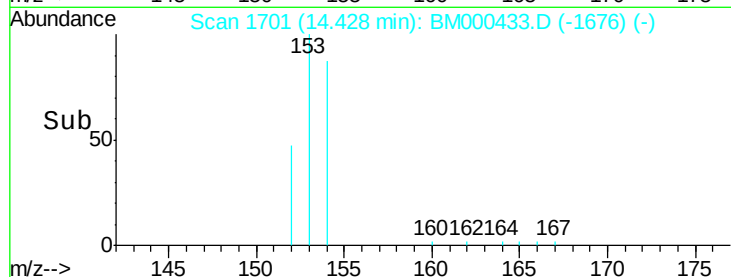
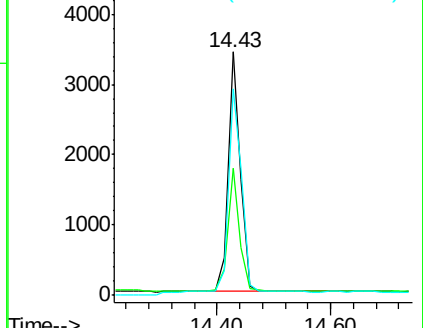
154 84.7 65.6 98.4



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



#9

Fluorene

Concen: 0.50 ng/ul

RT: 15.43 min Scan# 1766

Delta R.T. 0.00 min

Lab File: BM000433.D

Acq: 05 Feb 2015 19:01

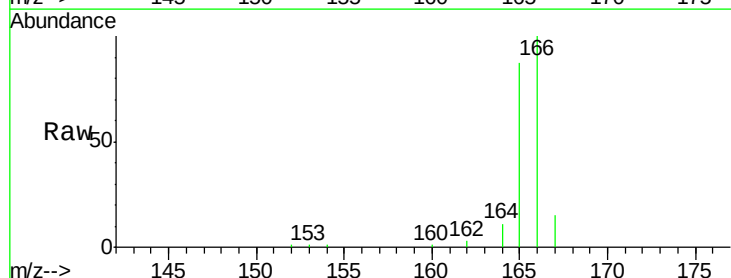
Tgt Ion:166 Resp: 7520

Ion Ratio Lower Upper

166 100

165 87.3 69.4 104.0

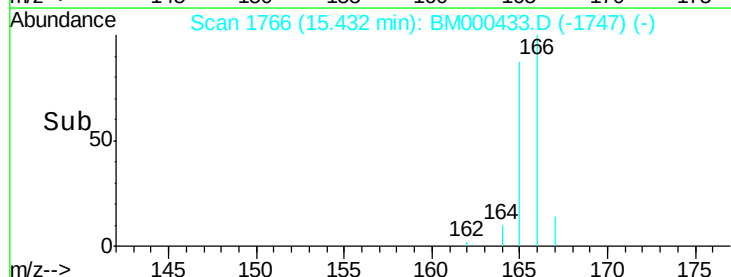
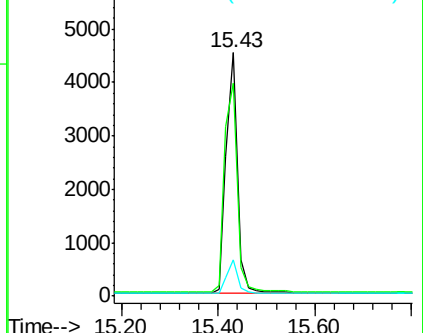
167 14.6 12.4 18.6

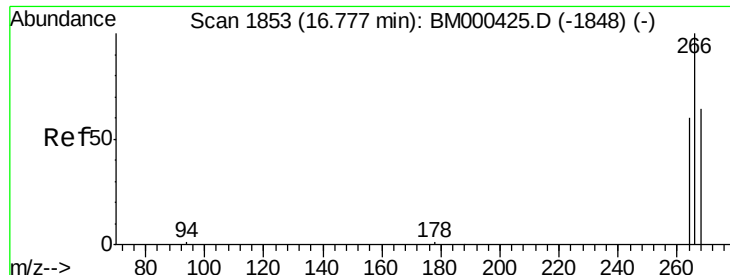


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#11

Pentachlorophenol

Concen: 0.56 ng/ul

RT: 16.78 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BM000433.D

Acq: 05 Feb 2015 19:01

Instrument :

BNA\_M

ClientSampleId :

X1G08DL

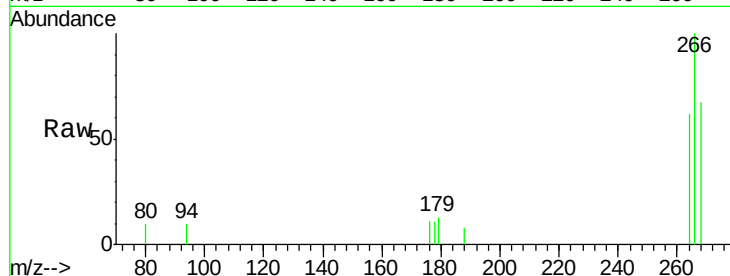
Tgt Ion:266 Resp: 1040

Ion Ratio Lower Upper

266 100

264 64.2 49.8 74.8

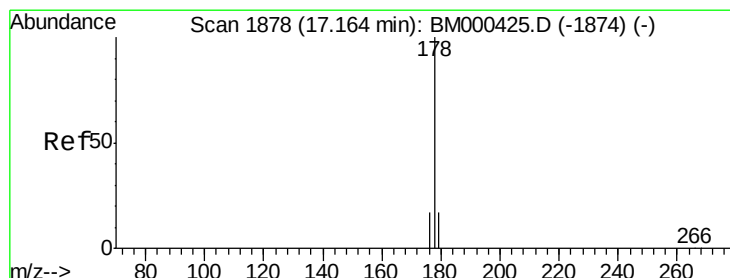
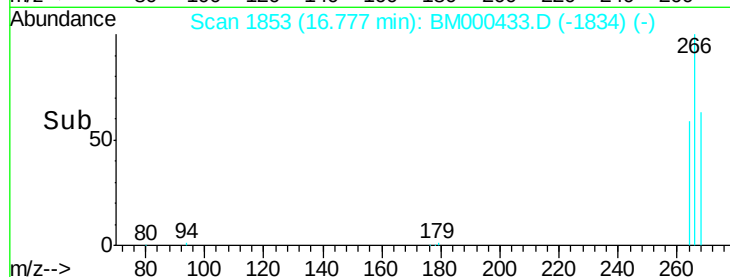
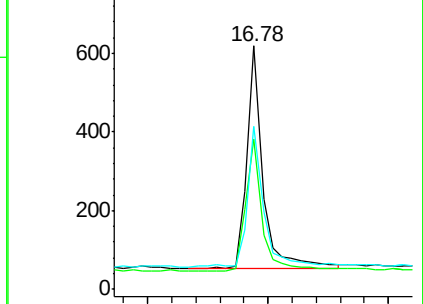
268 66.3 49.4 74.0



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#12

Phenanthrene

Concen: 0.41 ng/ul

RT: 17.16 min Scan# 1878

Delta R.T. 0.00 min

Lab File: BM000433.D

Acq: 05 Feb 2015 19:01

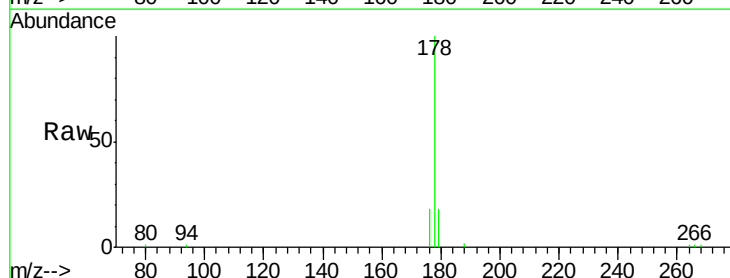
Tgt Ion:178 Resp: 9484

Ion Ratio Lower Upper

178 100

176 18.1 14.3 21.5

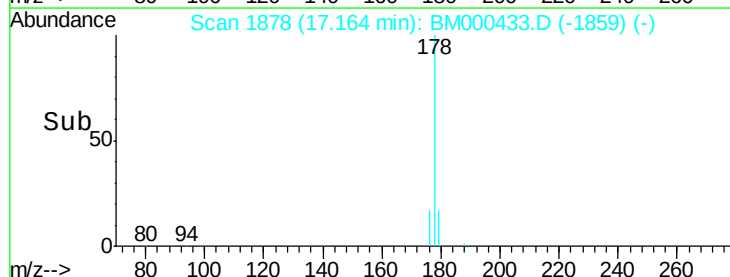
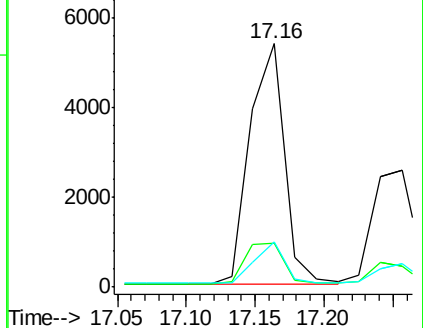
179 18.4 14.4 21.6

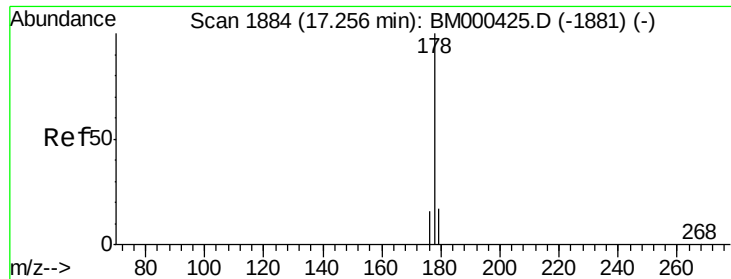


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#13

Anthracene

Concen: 0.26 ng/ul

RT: 17.26 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BM000433.D

Acq: 05 Feb 2015 19:01

Instrument :

BNA\_M

ClientSampleId :

X1G08DL

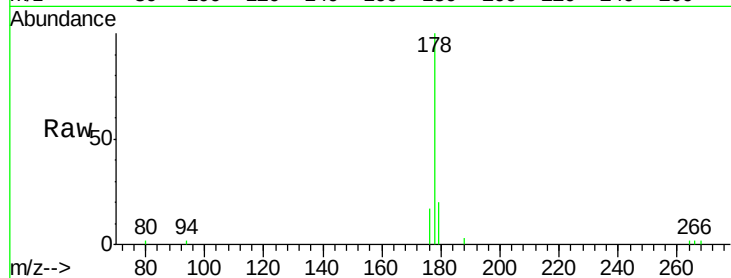
Tgt Ion:178 Resp: 5591

Ion Ratio Lower Upper

178 100

176 17.3 13.8 20.8

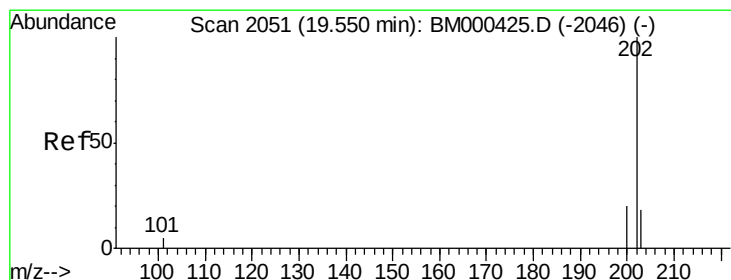
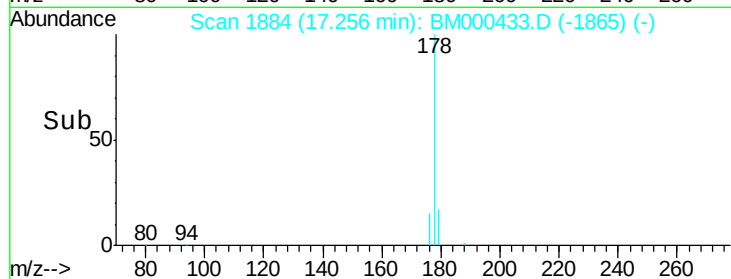
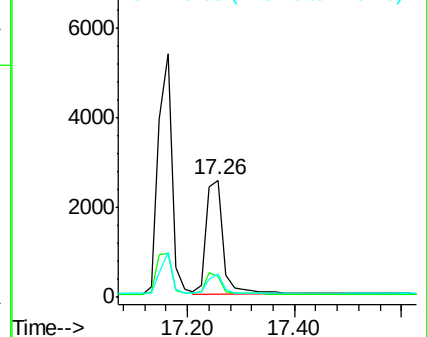
179 19.8 14.8 22.2



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



#17

Pyrene

Concen: 0.83 ng/ul

RT: 19.55 min Scan# 2051

Delta R.T. 0.00 min

Lab File: BM000433.D

Acq: 05 Feb 2015 19:01

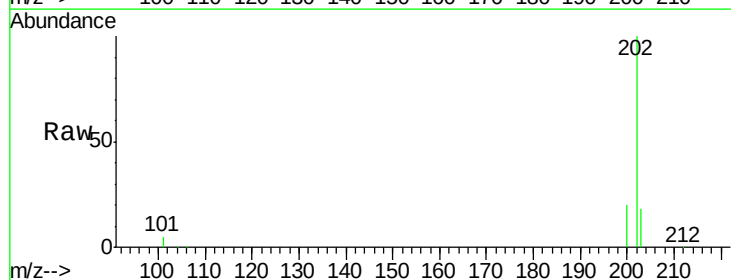
Tgt Ion:202 Resp: 23079

Ion Ratio Lower Upper

202 100

200 19.5 16.3 24.5

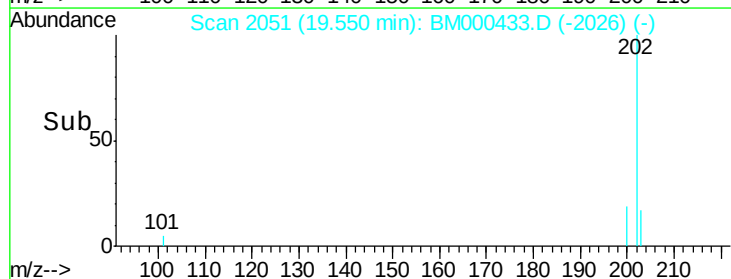
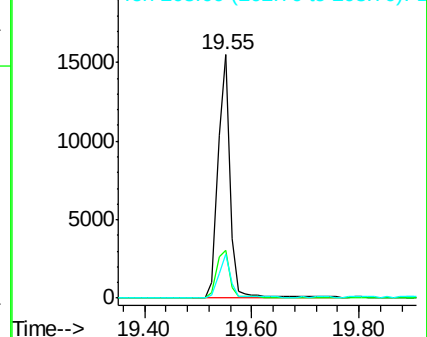
203 17.8 14.7 22.1

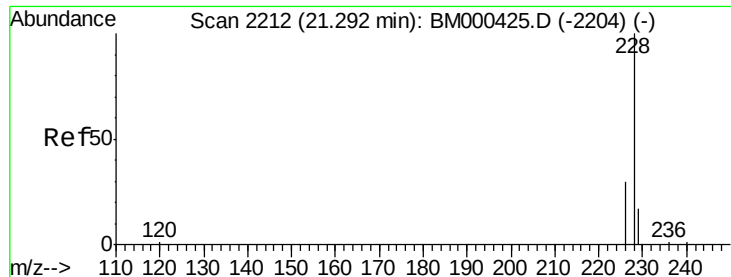


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.43 ng/ul

RT: 21.29 min Scan# 2212

Delta R.T. 0.00 min

Lab File: BM000433.D

Acq: 05 Feb 2015 19:01

Instrument :

BNA\_M

ClientSampleId :

X1G08DL

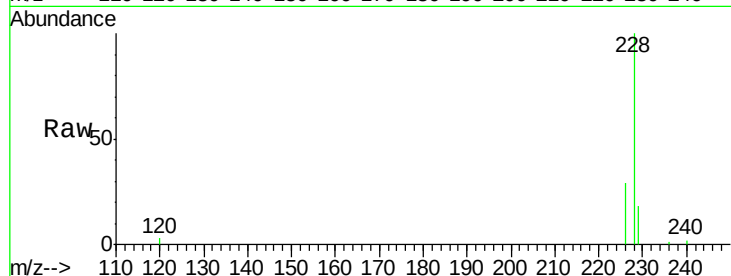
Tgt Ion:228 Resp: 9845

Ion Ratio Lower Upper

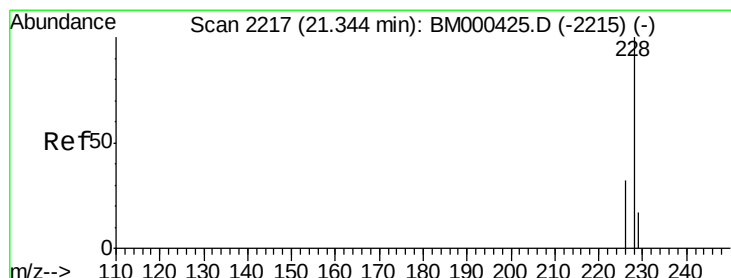
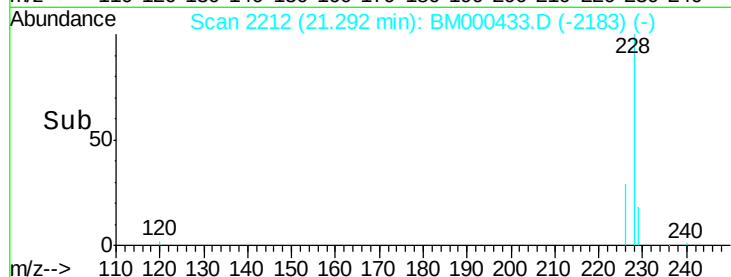
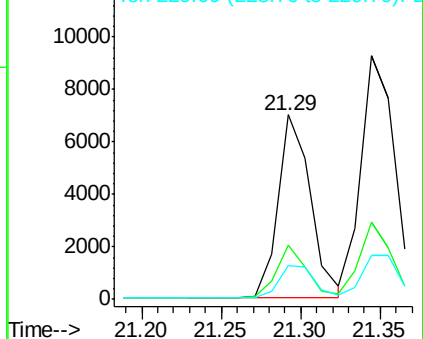
228 100

226 29.1 24.5 36.7

229 18.5 14.0 21.0



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



#19

Chrysene

Concen: 0.60 ng/ul

RT: 21.34 min Scan# 2217

Delta R.T. 0.00 min

Lab File: BM000433.D

Acq: 05 Feb 2015 19:01

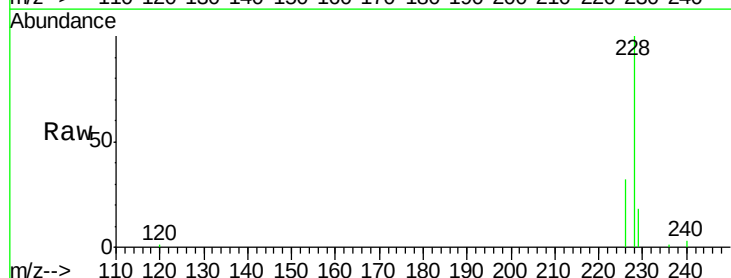
Tgt Ion:228 Resp: 14703

Ion Ratio Lower Upper

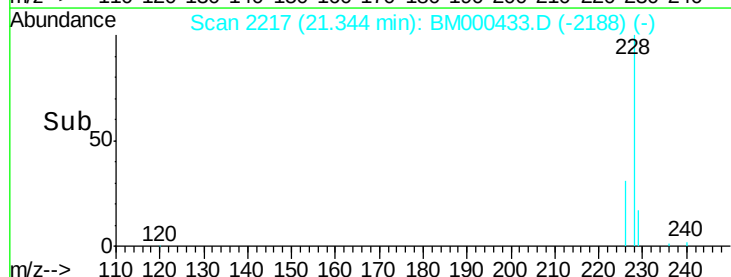
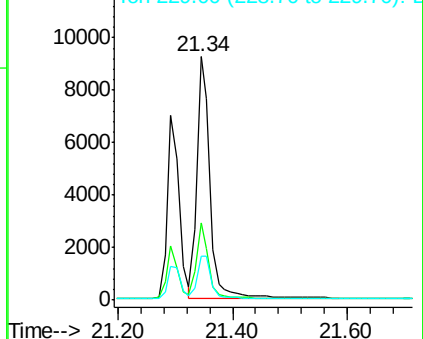
228 100

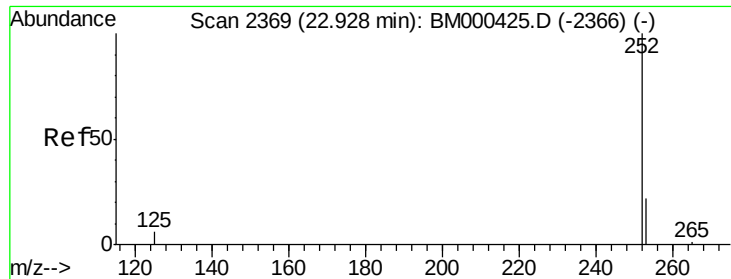
226 31.5 26.2 39.4

229 17.9 14.6 22.0



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

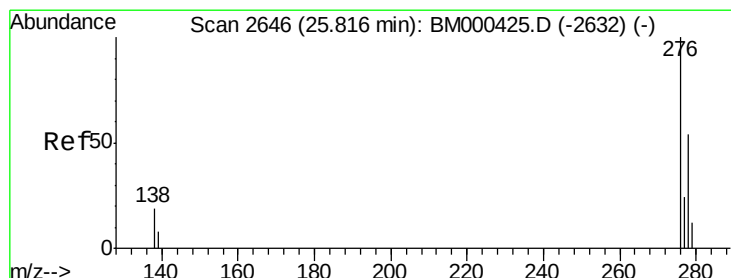
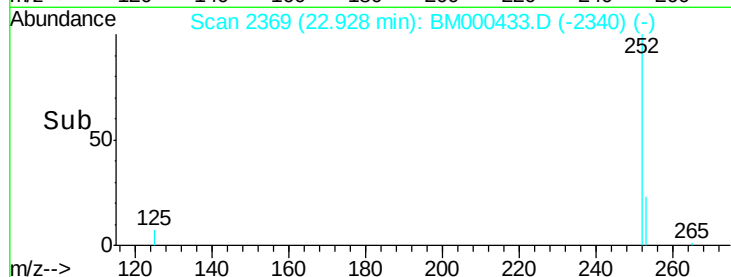
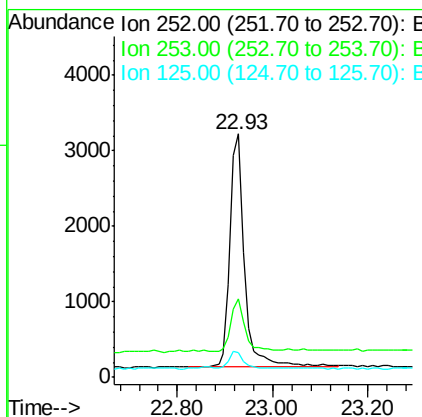
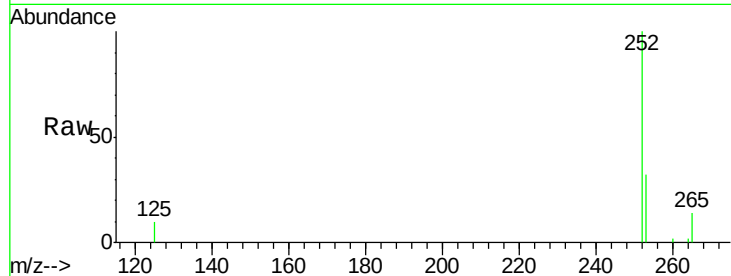




#22  
Benzo(k)fluoranthene  
Concen: 0.28 ng/ul  
RT: 22.93 min Scan# 2369  
Delta R.T. 0.00 min  
Lab File: BM000433.D  
Acq: 05 Feb 2015 19:01

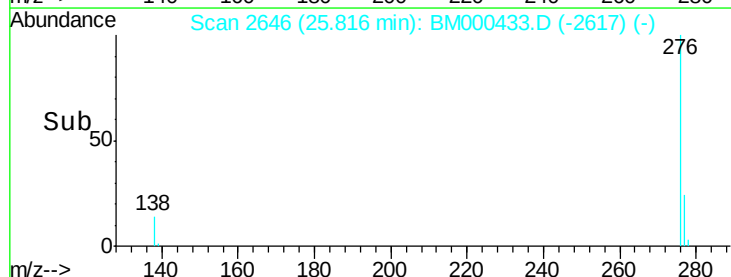
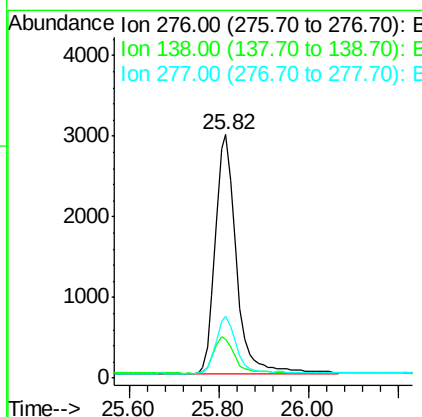
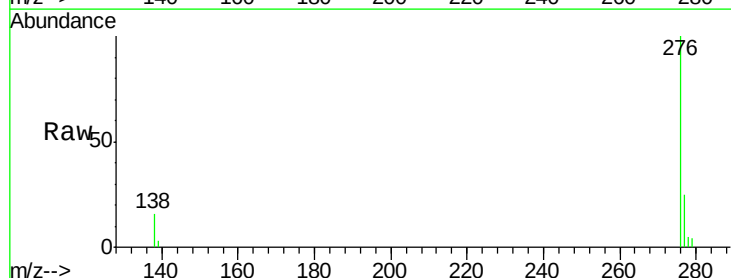
Instrument :  
BNA\_M  
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X1G08DL

Tgt Ion:252 Resp: 6539  
Ion Ratio Lower Upper  
252 100  
253 32.3 23.3 34.9  
125 10.1 6.2 9.4#

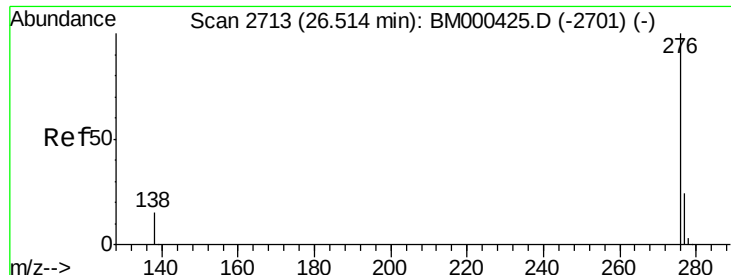


#24  
Indeno(1,2,3-cd)pyrene  
Concen: 0.39 ng/ul  
RT: 25.82 min Scan# 2646  
Delta R.T. 0.00 min  
Lab File: BM000433.D  
Acq: 05 Feb 2015 19:01

Tgt Ion:276 Resp: 9828  
Ion Ratio Lower Upper  
276 100  
138 15.4 15.0 22.4  
277 22.5 19.8 29.8







#26

Benzo(g,h,i)perylene

Concen: 0.50 ng/ul

RT: 26.50 min Scan# 2712

Delta R.T. -0.01 min

Lab File: BM000433.D

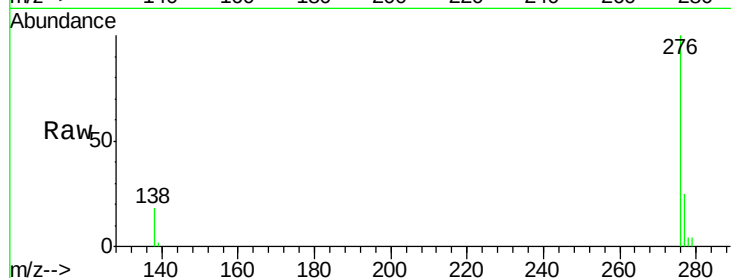
Acq: 05 Feb 2015 19:01

Instrument :

BNA\_M

ClientSampleId :

X1G08DL



Tgt Ion: 276 Resp: 10945

Ion Ratio Lower Upper

276 100

277 24.5 20.6 30.8

138 18.1 13.9 20.9

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

