

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052215\  
 Data File : BM001398.D  
 Acq On : 23 May 2015 01:39  
 Operator : TP/IZ  
 Sample : PB83556BSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB83556BSD

Quant Time: May 26 13:54:54 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SIMPAH-BM052215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 26 13:45:25 2015  
 Response via : Initial Calibration

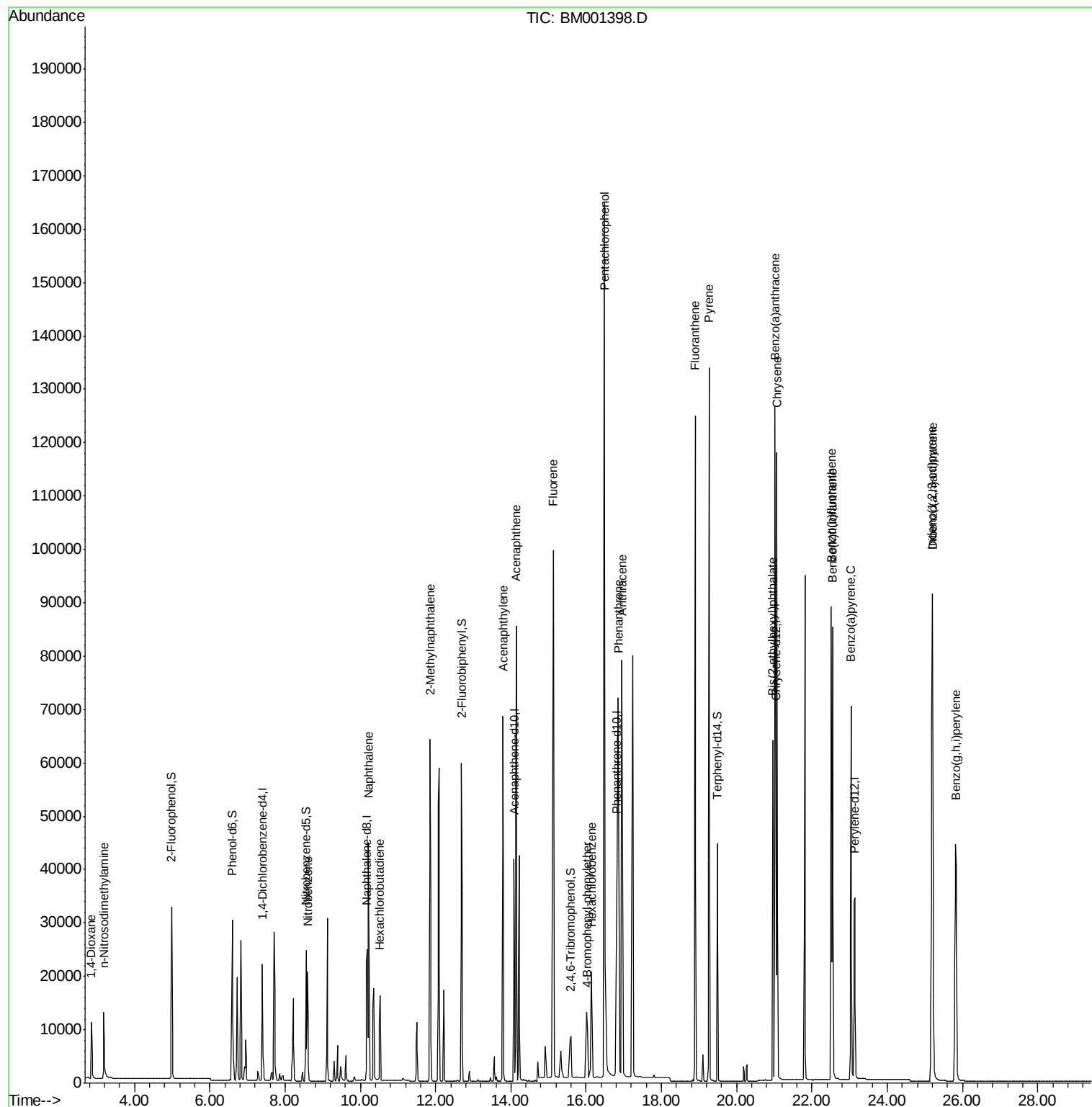
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.40  | 152  | 11035    | 5.00  | ng    | 0.00     |
| 6) Naphthalene-d8              | 10.18 | 136  | 41002    | 5.00  | ng    | 0.00     |
| 12) Acenaphthene-d10           | 14.08 | 164  | 23273    | 5.00  | ng    | 0.00     |
| 18) Phenanthrene-d10           | 16.82 | 188  | 79157    | 5.00  | ng    | 0.00     |
| 25) Chrysene-d12               | 21.04 | 240  | 49706    | 5.00  | ng    | 0.00     |
| 32) Perylene-d12               | 23.14 | 264  | 42751    | 5.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 4.99  | 112  | 24028    | 11.02 | ng    | 0.00     |
| 5) Phenol-d6                   | 6.60  | 99   | 29719    | 11.75 | ng    | 0.00     |
| 7) Nitrobenzene-d5             | 8.55  | 82   | 19155    | 8.09  | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol       | 15.59 | 330  | 7969     | 11.02 | ng    | 0.00     |
| 14) 2-Fluorobiphenyl           | 12.69 | 172  | 54077    | 7.55  | ng    | 0.00     |
| 27) Terphenyl-d14              | 19.48 | 244  | 47211    | 7.02  | ng    | -0.01    |
| Target Compounds               |       |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                 | 2.86  | 88   | 6453     | 7.85  | ng    | 98       |
| 3) n-Nitrosodimethylamine      | 3.18  | 42   | 10398    | 7.37  | ng    | # 96     |
| 8) Nitrobenzene                | 8.60  | 77   | 20868    | 8.34  | ng    | 98       |
| 9) Naphthalene                 | 10.22 | 128  | 62462    | 7.16  | ng    | 98       |
| 10) Hexachlorobutadiene        | 10.52 | 225  | 12799    | 7.20  | ng    | 99       |
| 11) 2-Methylnaphthalene        | 11.86 | 142  | 45285    | 7.69  | ng    | 96       |
| 15) Acenaphthylene             | 13.79 | 152  | 77151    | 7.84  | ng    | 100      |
| 16) Acenaphthene               | 14.14 | 154  | 44445    | 7.25  | ng    | 97       |
| 17) Fluorene                   | 15.12 | 166  | 85818    | 8.17  | ng    | 100      |
| 19) 4-Bromophenyl-phenylether  | 16.04 | 248  | 8157     | 4.63  | ng    | # 94     |
| 20) Hexachlorobenzene          | 16.14 | 284  | 23793    | 4.80  | ng    | # 86     |
| 21) Pentachlorophenol          | 16.48 | 266  | 76353    | 15.41 | ng    | # 67     |
| 22) Phenanthrene               | 16.85 | 178  | 109324   | 4.65  | ng    | 99       |
| 23) Anthracene                 | 16.95 | 178  | 121782   | 8.61  | ng    | 99       |
| 24) Fluoranthene               | 18.90 | 202  | 107793   | 7.39  | ng    | 99       |
| 26) Pyrene                     | 19.26 | 202  | 115897   | 7.72  | ng    | 100      |
| 28) Benzo(a)anthracene         | 21.02 | 228  | 103289   | 7.04  | ng    | 93       |
| 29) Chrysene                   | 21.07 | 228  | 93219    | 7.09  | ng    | 96       |
| 30) Bis(2-ethylhexyl)phthalate | 20.96 | 149  | 66329    | 8.37  | ng    | 99       |
| 31) Indeno(1,2,3-cd)pyrene     | 25.19 | 276  | 99543    | 6.86  | ng    | 99       |
| 33) Benzo(b)fluoranthene       | 22.51 | 252  | 104122   | 8.04  | ng    | 98       |
| 34) Benzo(k)fluoranthene       | 22.55 | 252  | 90868    | 7.52  | ng    | 99       |
| 35) Benzo(a)pyrene             | 23.03 | 252  | 92734    | 8.11  | ng    | 96       |
| 36) Dibenzo(a,h)anthracene     | 25.20 | 278  | 79141    | 7.64  | ng    | 98       |
| 37) Benzo(g,h,i)perylene       | 25.82 | 276  | 81839    | 7.43  | ng    | 98       |

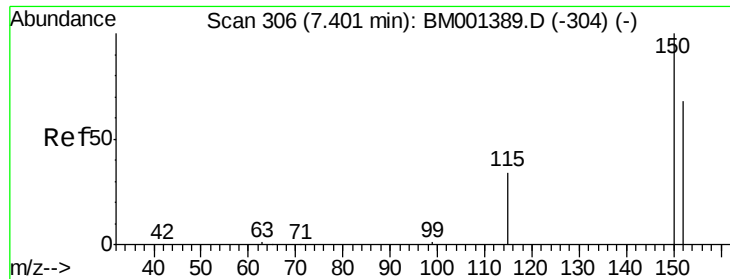
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 26 13:45:25 2015  
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.40 min Scan# 306

Delta R.T. 0.00 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

Instrument :

BNA\_M

ClientSampleId :

PB83556BSD

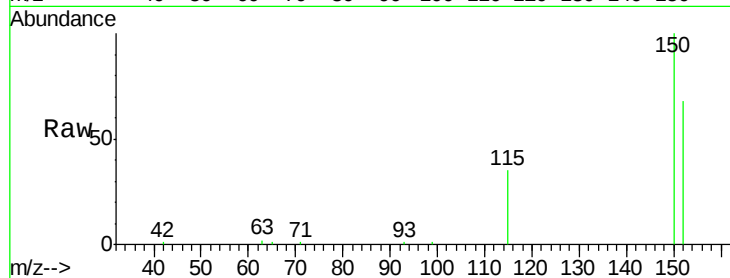
Tgt Ion:152 Resp: 11035

Ion Ratio Lower Upper

152 100

150 146.2 119.0 178.6

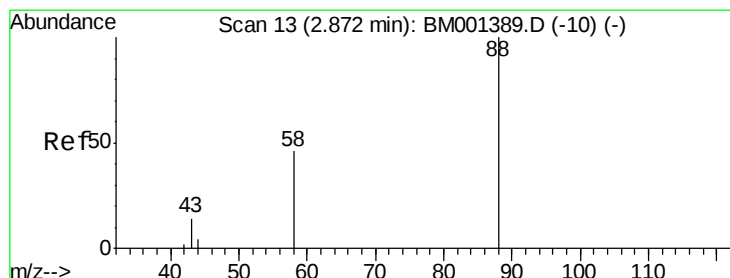
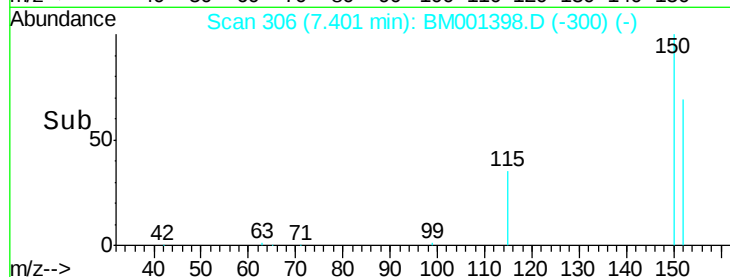
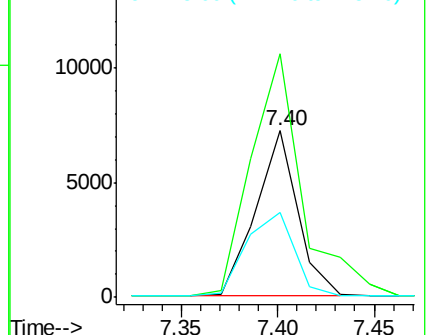
115 51.0 41.8 62.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 7.85 ng

RT: 2.86 min Scan# 12

Delta R.T. -0.01 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

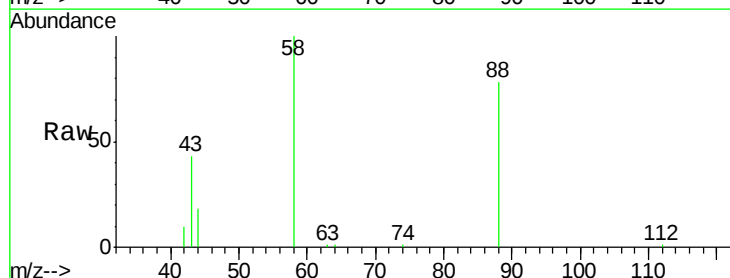
Tgt Ion: 88 Resp: 6453

Ion Ratio Lower Upper

88 100

58 88.6 71.3 106.9

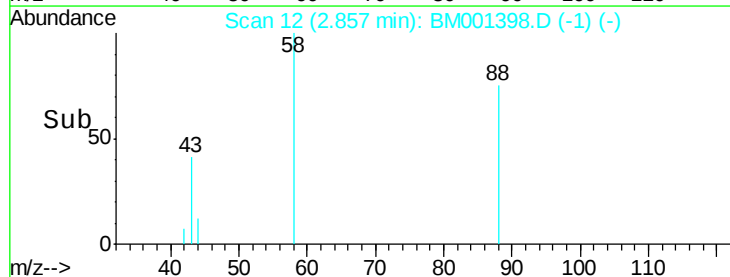
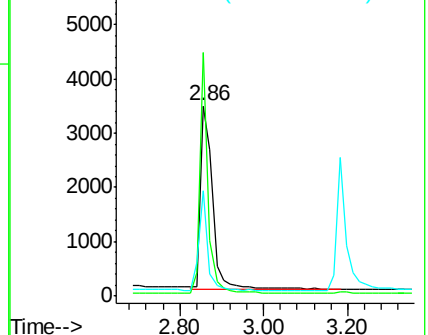
43 42.0 35.5 53.3

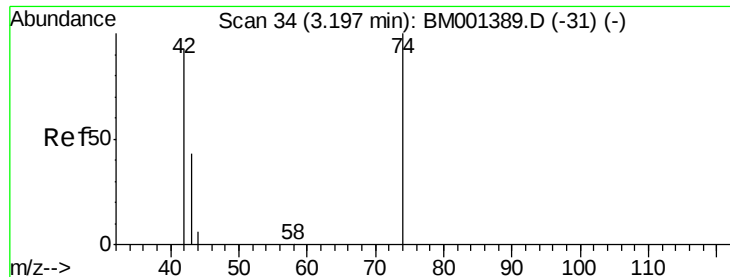


Abundance Ion 88.00 (87.70 to 88.70): BM

Ion 58.00 (57.70 to 58.70): BM

Ion 43.00 (42.70 to 43.70): BM





#3

n-Nitrosodimethylamine

Concen: 7.37 ng

RT: 3.18 min Scan# 33

Delta R.T. -0.02 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

Instrument :

BNA\_M

ClientSampleId :

PB83556BSD

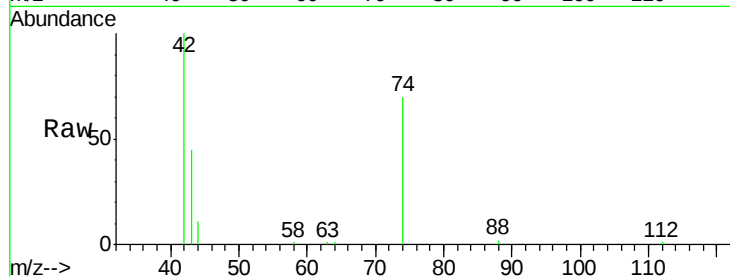
Tgt Ion: 42 Resp: 10398

Ion Ratio Lower Upper

42 100

74 94.0 72.2 108.2

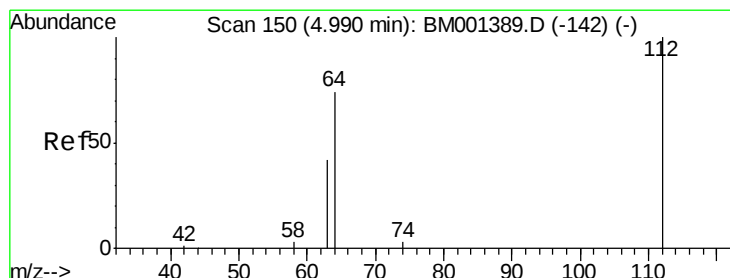
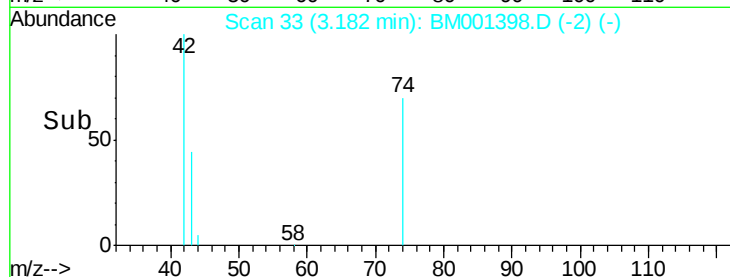
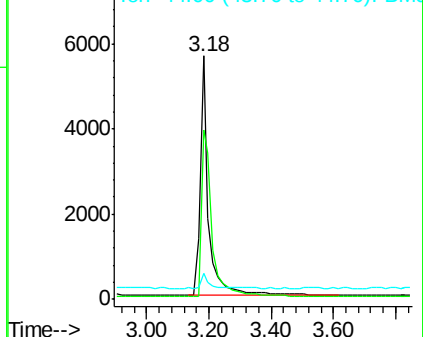
44 5.7 6.2 9.2#



Abundance Ion 42.00 (41.70 to 42.70): BM001389.D (-31) (-)

Ion 74.00 (73.70 to 74.70): BM001389.D (-31) (-)

Ion 44.00 (43.70 to 44.70): BM001389.D (-31) (-)



#4

2-Fluorophenol

Concen: 11.02 ng

RT: 4.99 min Scan# 150

Delta R.T. 0.00 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

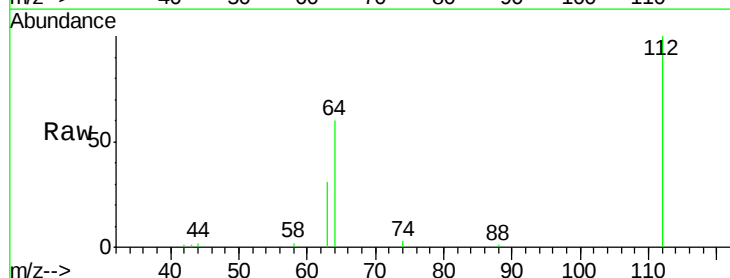
Tgt Ion: 112 Resp: 24028

Ion Ratio Lower Upper

112 100

64 64.4 51.7 77.5

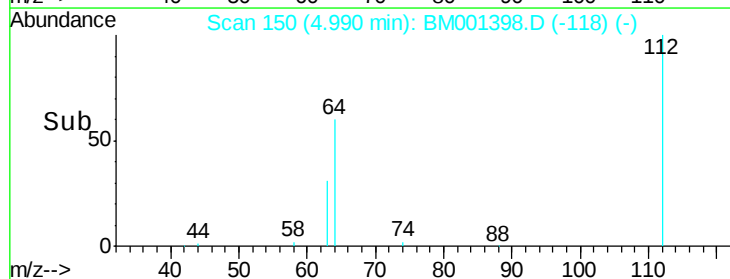
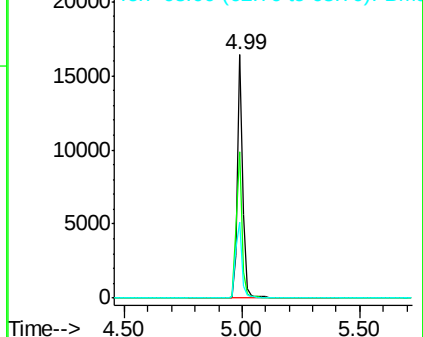
63 36.5 29.7 44.5

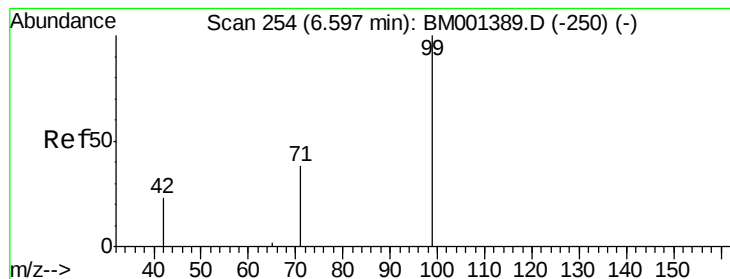


Abundance Ion 112.00 (111.70 to 112.70): BM001389.D (-142) (-)

Ion 64.00 (63.70 to 64.70): BM001389.D (-142) (-)

Ion 63.00 (62.70 to 63.70): BM001389.D (-142) (-)





#5

Phenol-d6

Concen: 11.75 ng

RT: 6.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

Instrument :

BNA\_M

ClientSampleId :

PB83556BSD

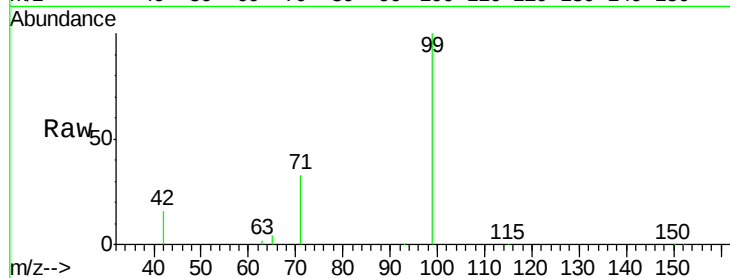
Tgt Ion: 99 Resp: 29719

Ion Ratio Lower Upper

99 100

42 27.0 21.8 32.6

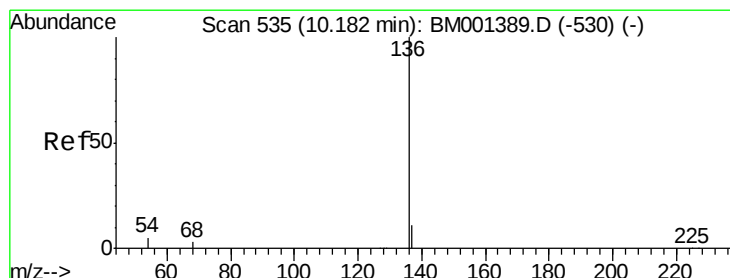
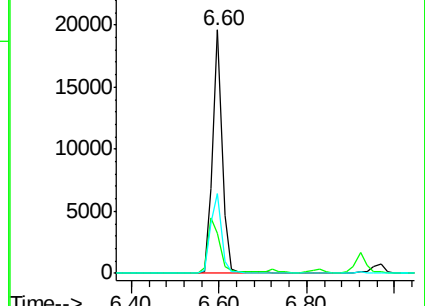
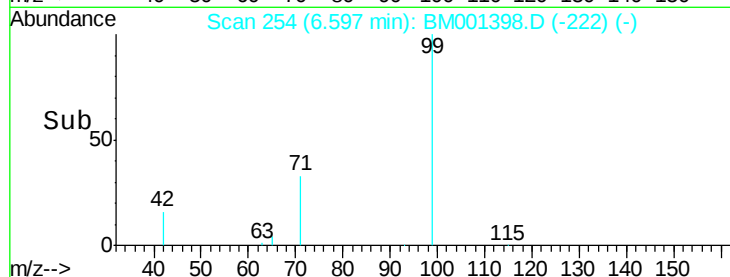
71 36.8 29.2 43.8



Abundance Ion 99.00 (98.70 to 99.70): BM001398.D (-250) (-)

Ion 42.00 (41.70 to 42.70): BM001398.D (-250) (-)

Ion 71.00 (70.70 to 71.70): BM001398.D (-250) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.18 min Scan# 535

Delta R.T. 0.00 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

Tgt Ion: 136 Resp: 41002

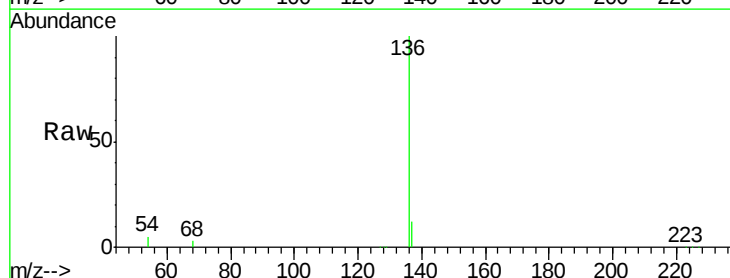
Ion Ratio Lower Upper

136 100

137 11.9 9.1 13.7

54 4.8 4.3 6.5

68 3.1 2.6 4.0

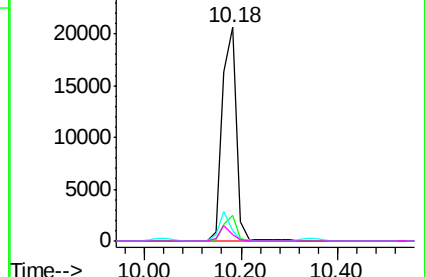
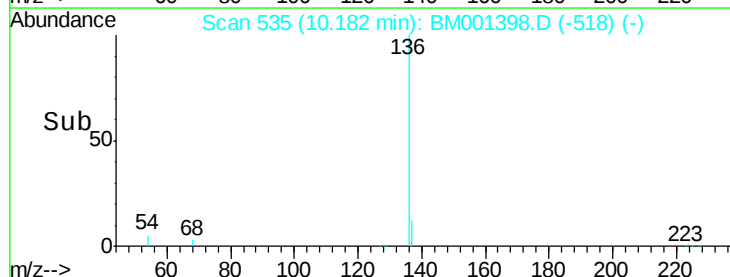


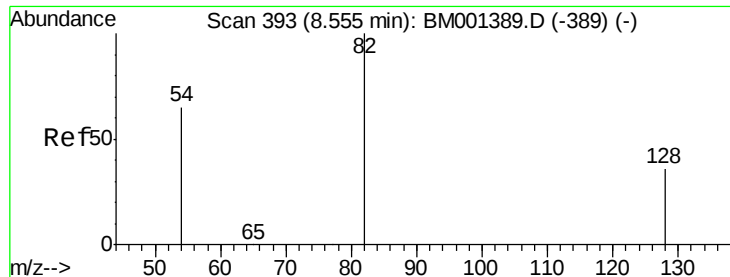
Abundance Ion 136.00 (135.70 to 136.70): BM001398.D (-530) (-)

Ion 137.00 (136.70 to 137.70): BM001398.D (-530) (-)

Ion 54.00 (53.70 to 54.70): BM001398.D (-530) (-)

Ion 68.00 (67.70 to 68.70): BM001398.D (-530) (-)





#7

Nitrobenzene-d5

Concen: 8.09 ng

RT: 8.55 min Scan# 393

Delta R.T. 0.00 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

Instrument :

BNA\_M

ClientSampleId :

PB83556BSD

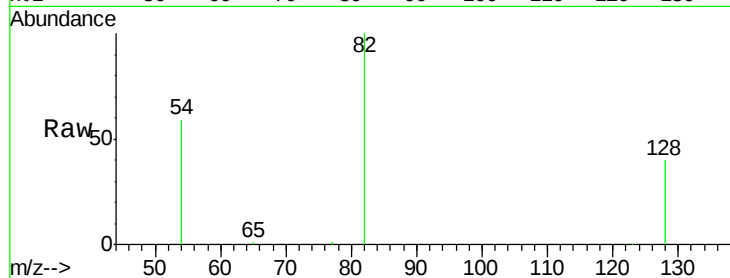
Tgt Ion: 82 Resp: 19155

Ion Ratio Lower Upper

82 100

128 40.1 30.2 45.4

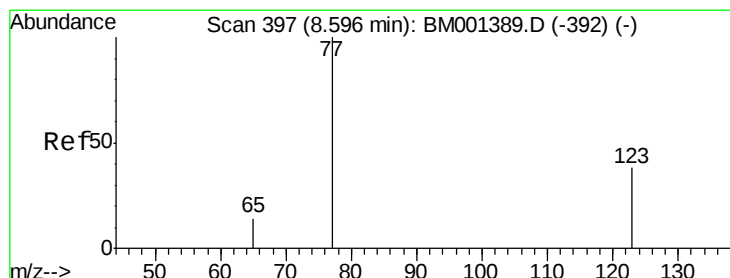
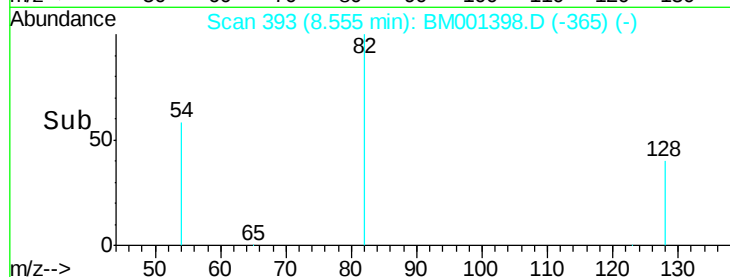
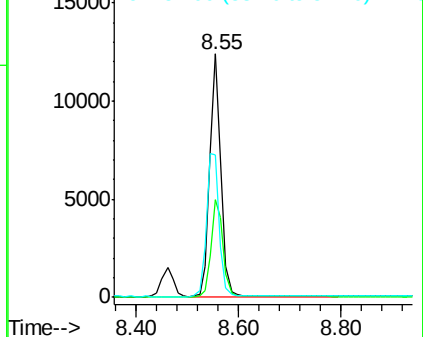
54 58.7 52.9 79.3



Abundance Ion 82.00 (81.70 to 82.70): BM001389.D (-389) (-)

Ion 128.00 (127.70 to 128.70): BM001389.D (-389) (-)

Ion 54.00 (53.70 to 54.70): BM001389.D (-389) (-)



#8

Nitrobenzene

Concen: 8.34 ng

RT: 8.60 min Scan# 397

Delta R.T. 0.00 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

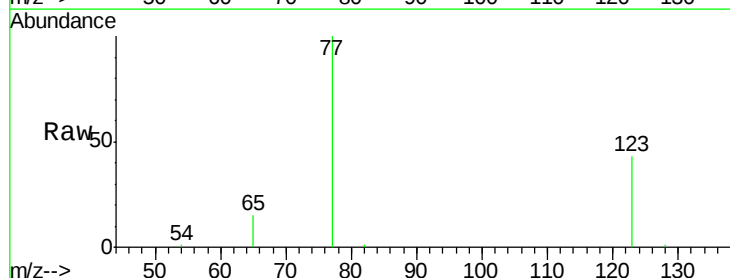
Tgt Ion: 77 Resp: 20868

Ion Ratio Lower Upper

77 100

123 43.8 33.7 50.5

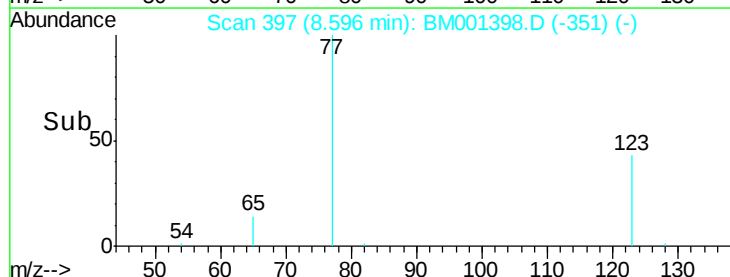
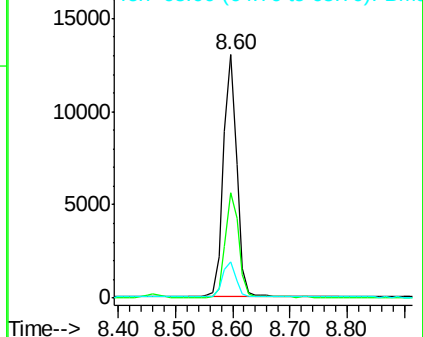
65 14.7 11.3 16.9

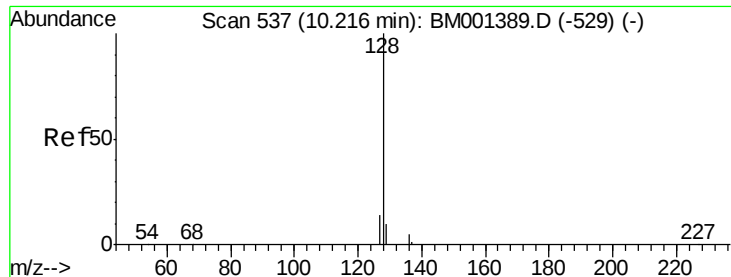


Abundance Ion 77.00 (76.70 to 77.70): BM001389.D (-392) (-)

Ion 123.00 (122.70 to 123.70): BM001389.D (-392) (-)

Ion 65.00 (64.70 to 65.70): BM001389.D (-392) (-)





#9

Naphthalene

Concen: 7.16 ng

RT: 10.22 min Scan# 537

Delta R.T. 0.00 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

Instrument :

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ClientSampleId :

PB83556BSD

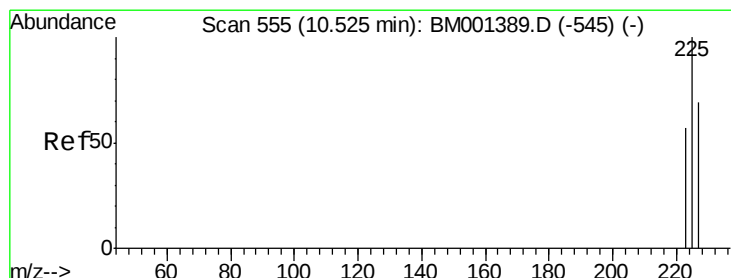
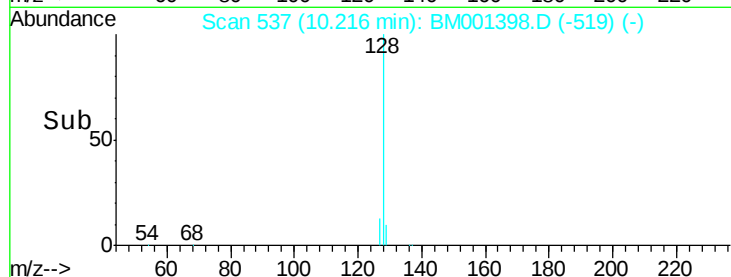
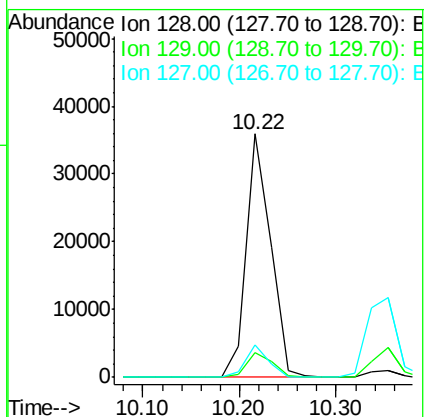
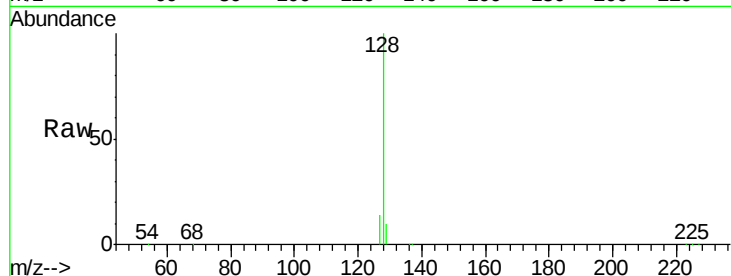
Tgt Ion:128 Resp: 62462

Ion Ratio Lower Upper

128 100

129 10.4 8.6 13.0

127 13.5 11.7 17.5



#10

Hexachlorobutadiene

Concen: 7.20 ng

RT: 10.52 min Scan# 555

Delta R.T. 0.00 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

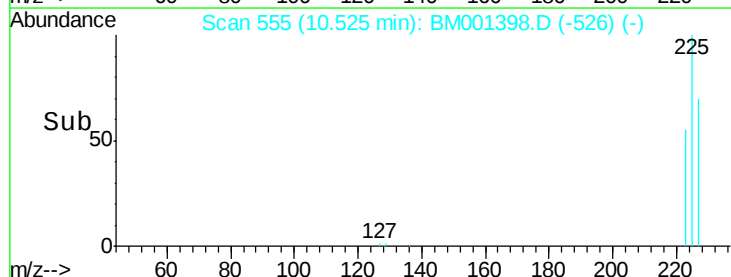
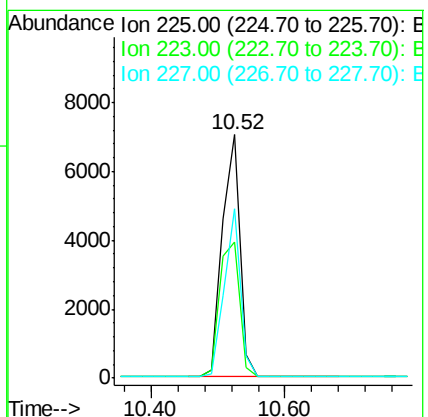
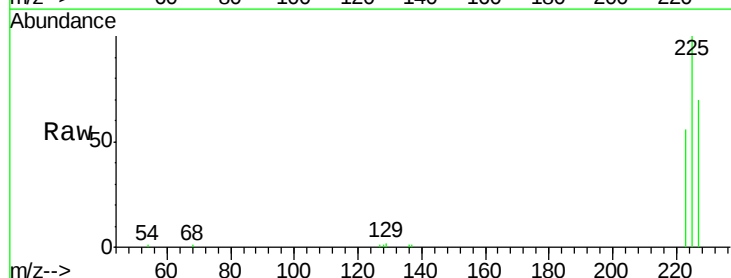
Tgt Ion:225 Resp: 12799

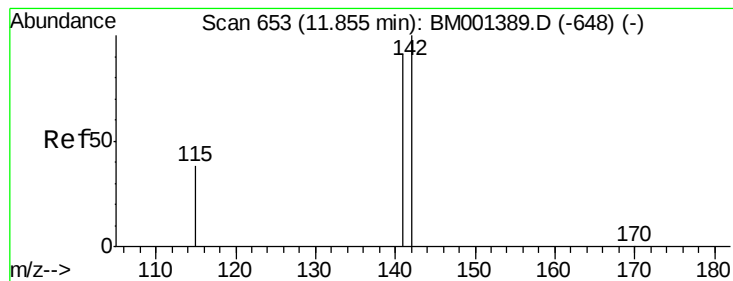
Ion Ratio Lower Upper

225 100

223 63.2 50.2 75.2

227 63.5 51.1 76.7





#11

2-Methylnaphthalene

Concen: 7.69 ng

RT: 11.86 min Scan# 653

Delta R.T. 0.00 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

Instrument :

BNA\_M

ClientSampleId :

PB83556BSD

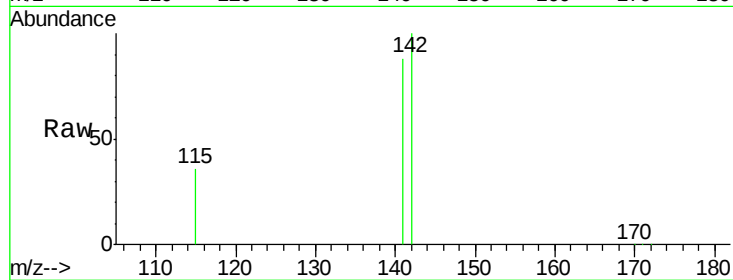
Tgt Ion:142 Resp: 45285

Ion Ratio Lower Upper

142 100

141 88.1 72.6 109.0

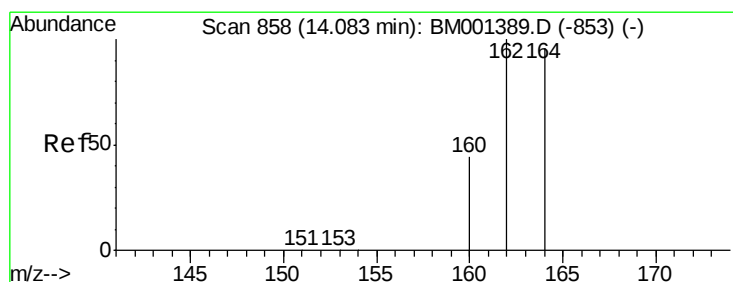
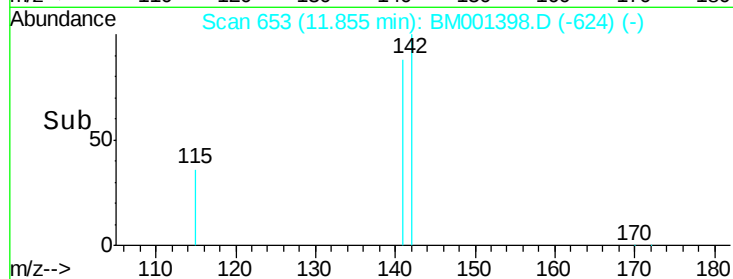
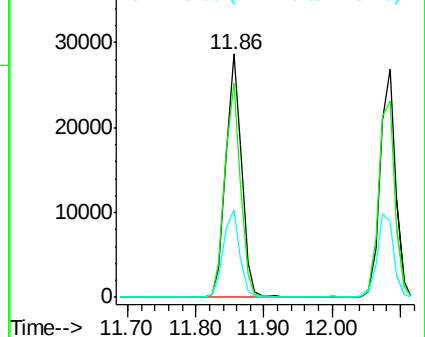
115 35.7 31.2 46.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.08 min Scan# 858

Delta R.T. 0.00 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

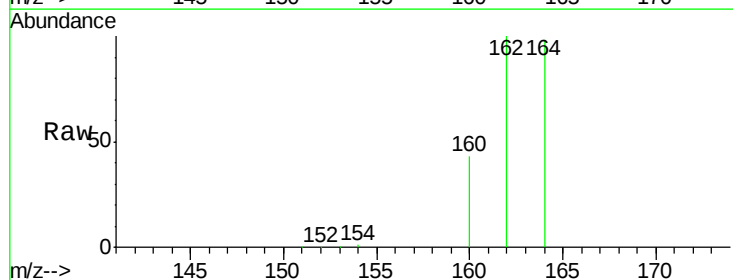
Tgt Ion:164 Resp: 23273

Ion Ratio Lower Upper

164 100

162 102.2 83.4 125.2

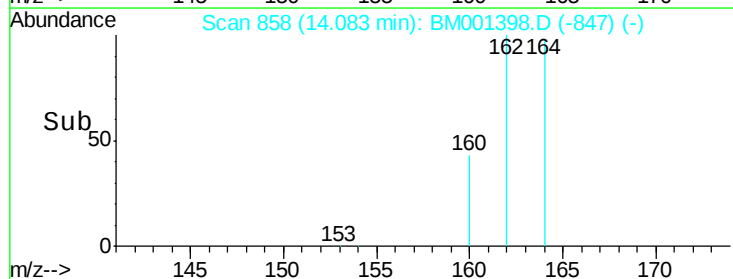
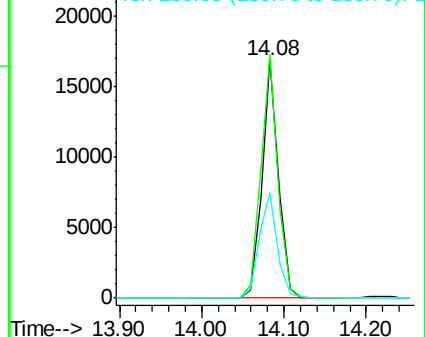
160 44.3 36.9 55.3

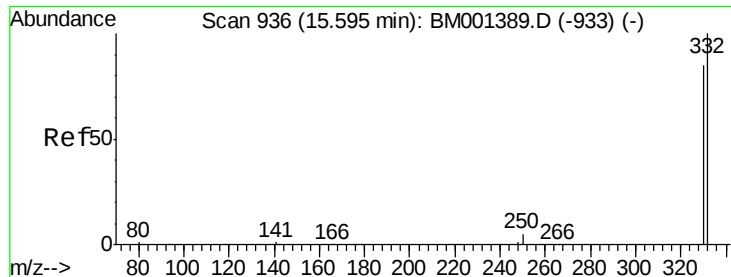


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

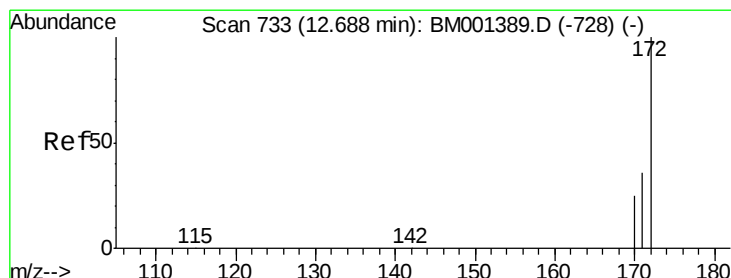
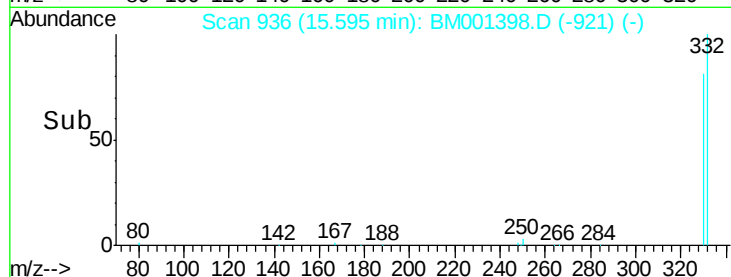
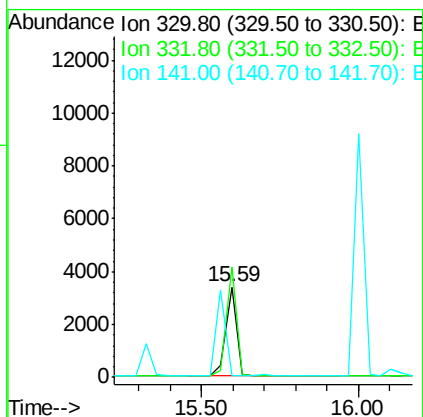
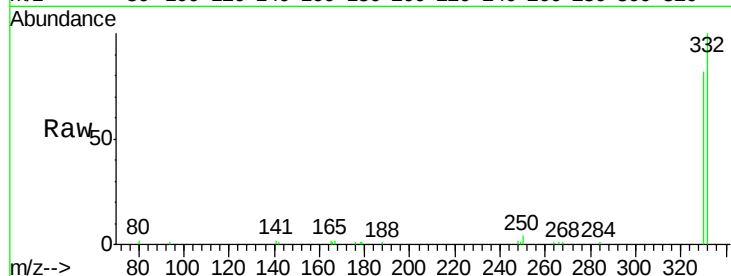




#13  
 2,4,6-Tribromophenol  
 Concen: 11.02 ng  
 RT: 15.59 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: BM001398.D  
 Acq: 23 May 2015 01:39

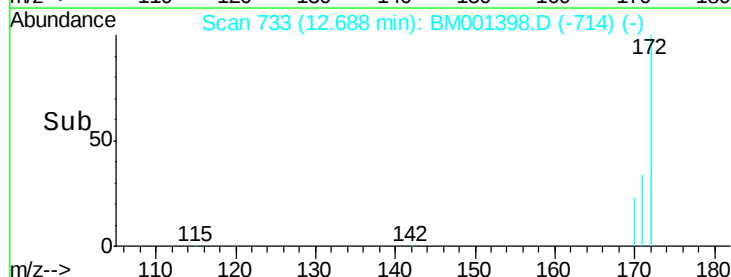
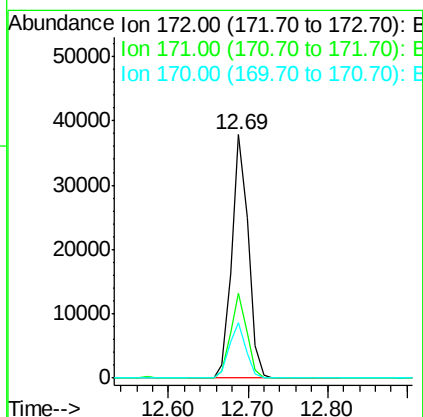
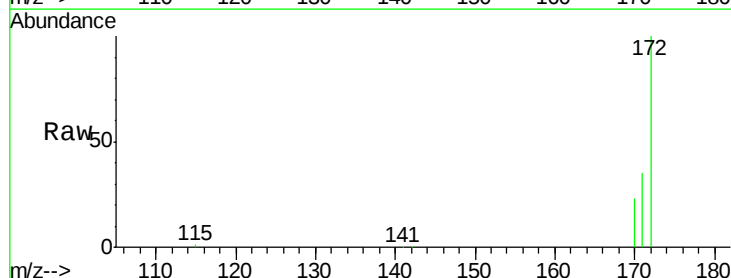
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB83556BSD

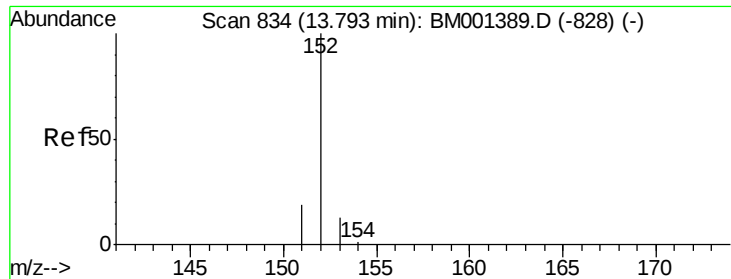
Tgt Ion:330 Resp: 7969  
 Ion Ratio Lower Upper  
 330 100  
 332 115.7 90.3 135.5  
 141 0.0 0.0 0.0



#14  
 2-Fluorobiphenyl  
 Concen: 7.55 ng  
 RT: 12.69 min Scan# 733  
 Delta R.T. 0.00 min  
 Lab File: BM001398.D  
 Acq: 23 May 2015 01:39

Tgt Ion:172 Resp: 54077  
 Ion Ratio Lower Upper  
 172 100  
 171 34.7 29.4 44.0  
 170 22.9 20.2 30.4





#15

Acenaphthylene

Concen: 7.84 ng

RT: 13.79 min Scan# 834

Delta R.T. 0.00 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

Instrument :

BNA\_M

ClientSampleId :

PB83556BSD

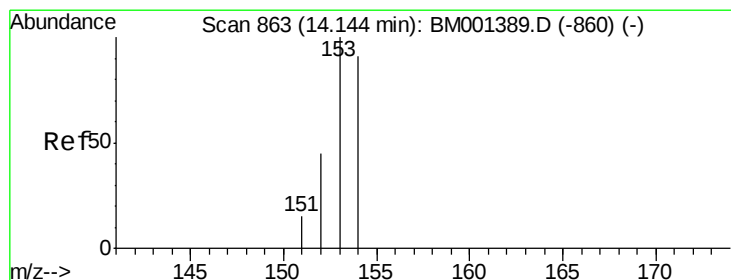
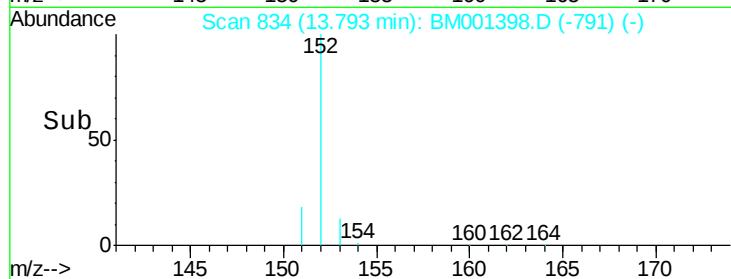
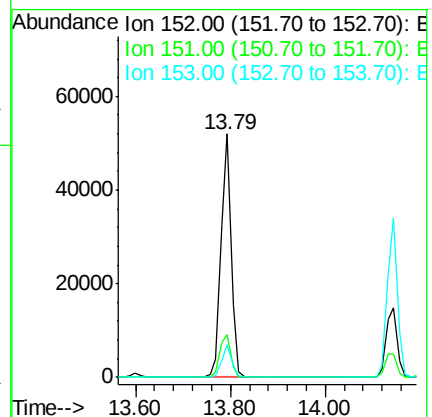
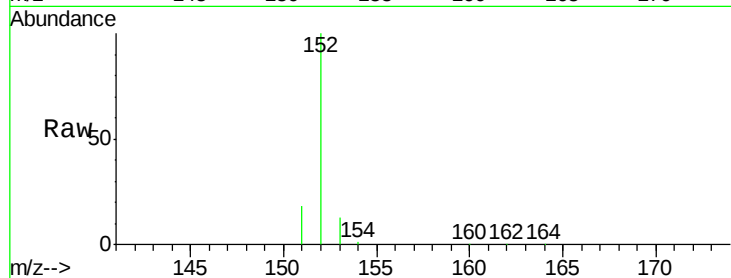
Tgt Ion:152 Resp: 77151

Ion Ratio Lower Upper

152 100

151 18.9 15.1 22.7

153 12.8 10.2 15.4



#16

Acenaphthene

Concen: 7.25 ng

RT: 14.14 min Scan# 863

Delta R.T. 0.00 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

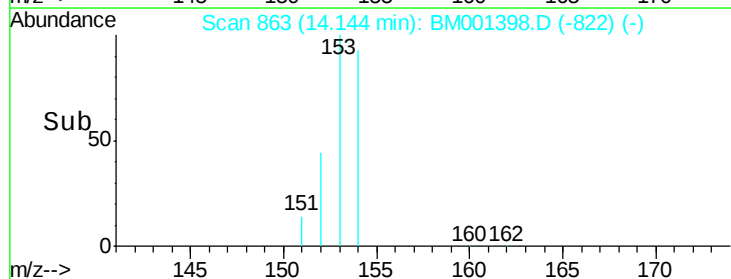
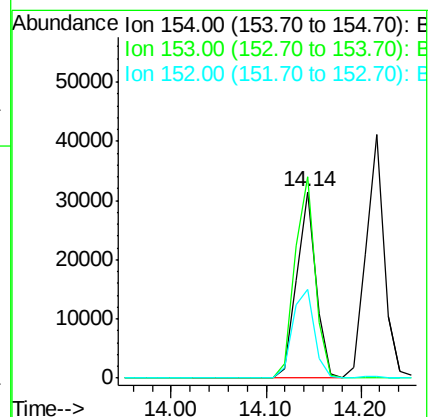
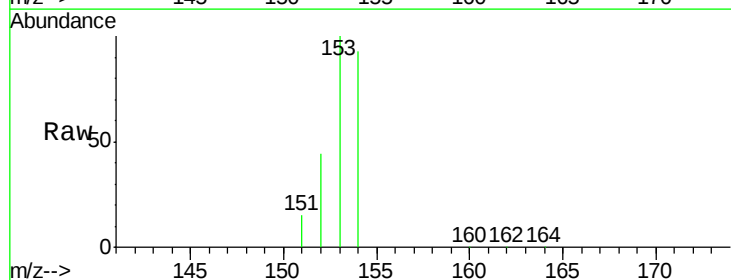
Tgt Ion:154 Resp: 44445

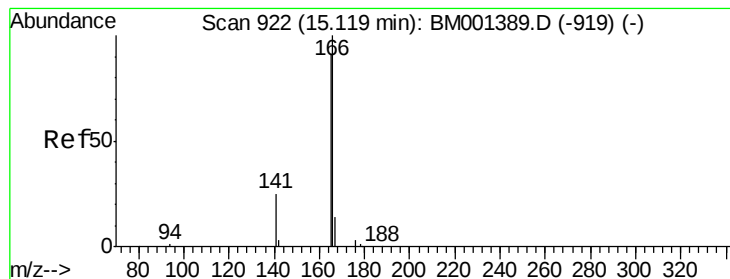
Ion Ratio Lower Upper

154 100

153 111.8 91.4 137.2

152 52.8 44.0 66.0





#17

Fluorene

Concen: 8.17 ng

RT: 15.12 min Scan# 922

Delta R.T. 0.00 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

Instrument :

BNA\_M

ClientSampleId :

PB83556BSD

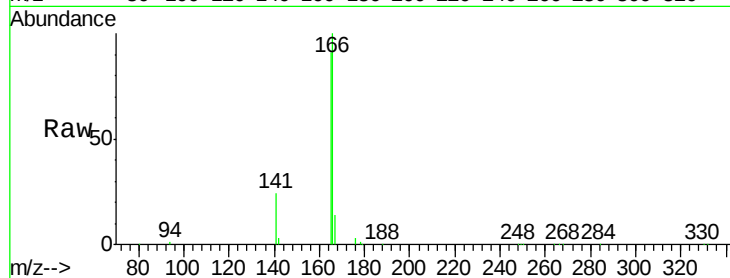
Tgt Ion:166 Resp: 85818

Ion Ratio Lower Upper

166 100

165 90.6 72.6 108.8

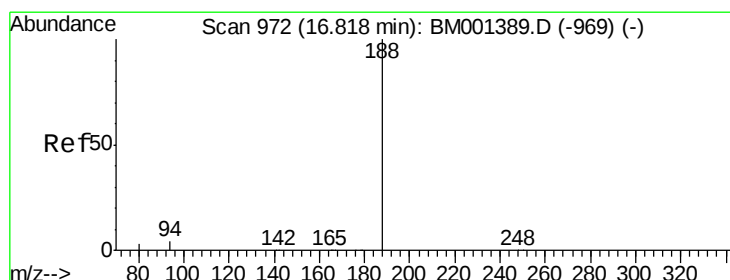
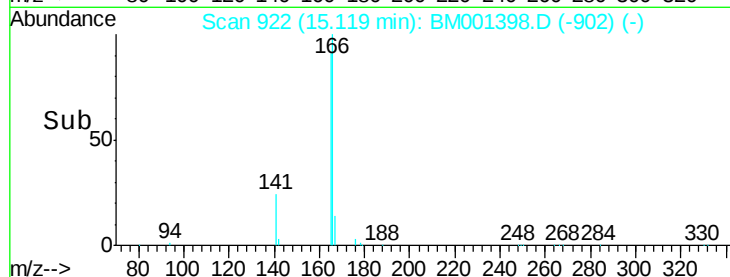
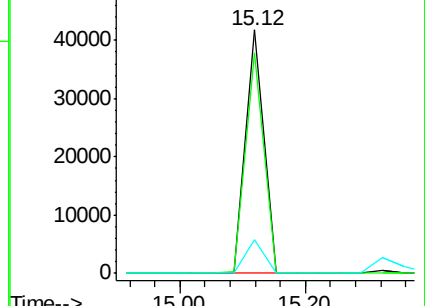
167 13.9 10.9 16.3



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



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.82 min Scan# 972

Delta R.T. 0.00 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

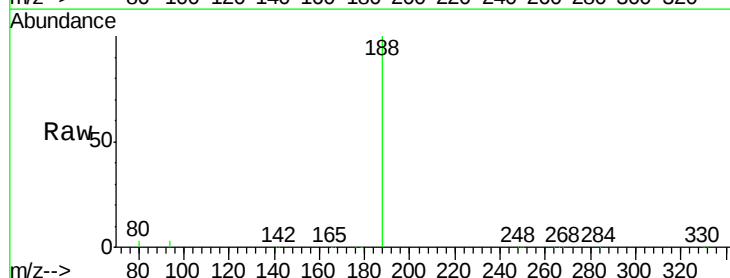
Tgt Ion:188 Resp: 79157

Ion Ratio Lower Upper

188 100

94 3.5 3.0 4.4

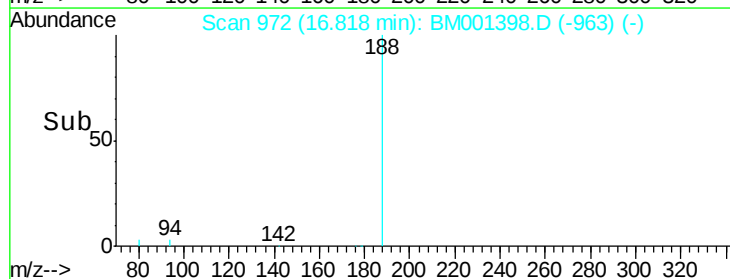
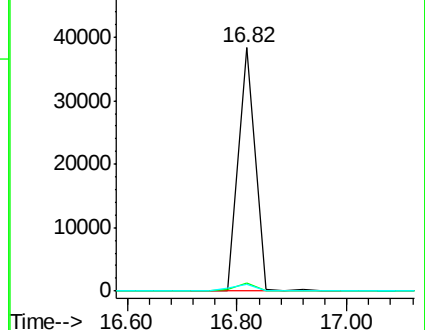
80 3.0 2.5 3.7

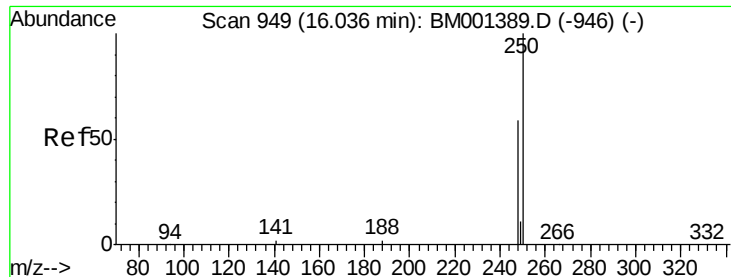


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

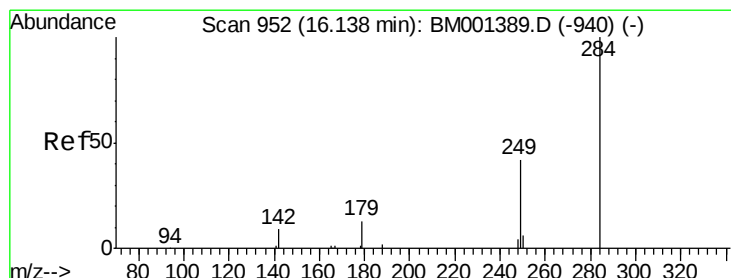
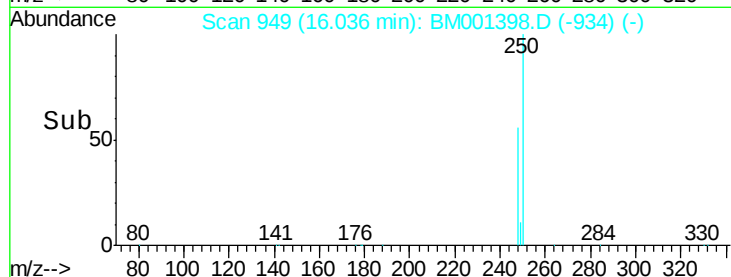
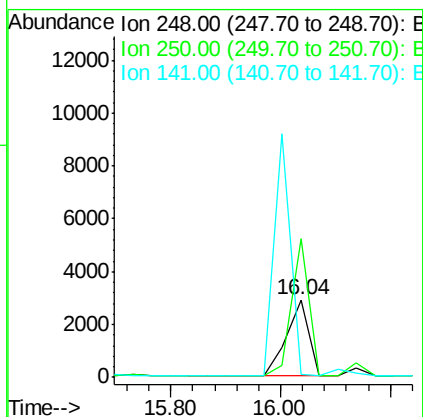
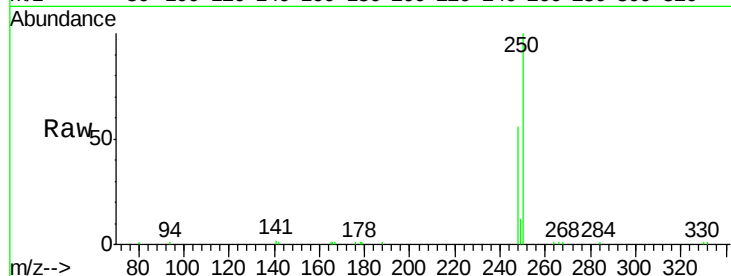




#19  
4-Bromophenyl-phenylether  
Concen: 4.63 ng  
RT: 16.04 min Scan# 949  
Delta R.T. 0.00 min  
Lab File: BM001398.D  
Acq: 23 May 2015 01:39

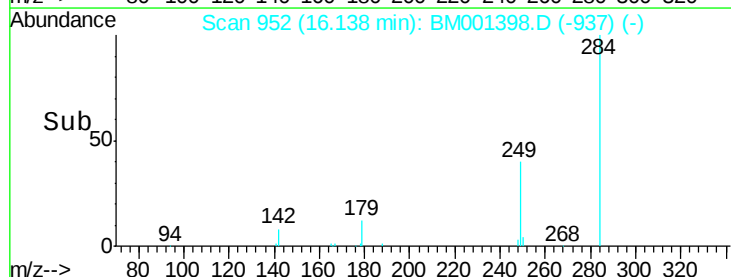
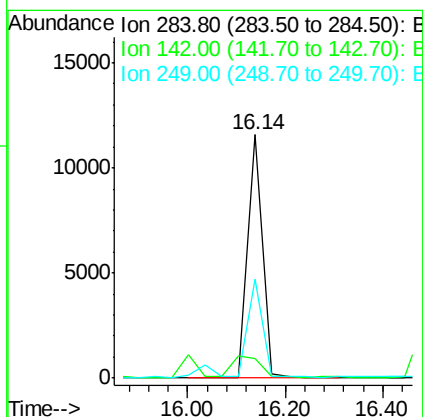
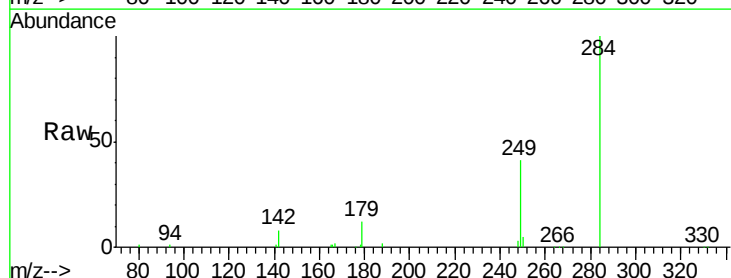
Instrument :  
BNA\_M  
ClientSampleId :  
PB83556BSD

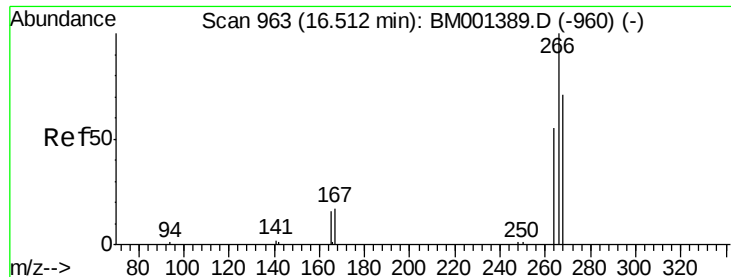
Tgt Ion:248 Resp: 8157  
Ion Ratio Lower Upper  
248 100  
250 139.8 117.8 176.6  
141 0.0 0.0 0.0



#20  
Hexachlorobenzene  
Concen: 4.80 ng  
RT: 16.14 min Scan# 952  
Delta R.T. 0.00 min  
Lab File: BM001398.D  
Acq: 23 May 2015 01:39

Tgt Ion:284 Resp: 23793  
Ion Ratio Lower Upper  
284 100  
142 0.0 13.9 20.9#  
249 45.9 39.0 58.4

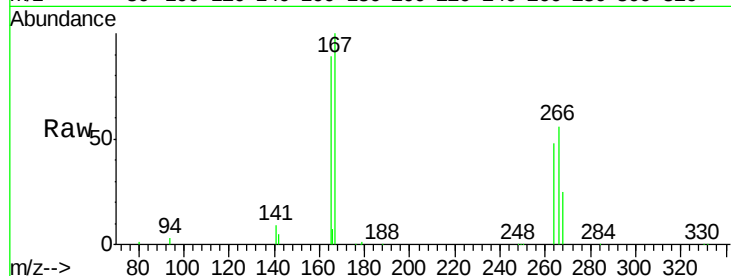




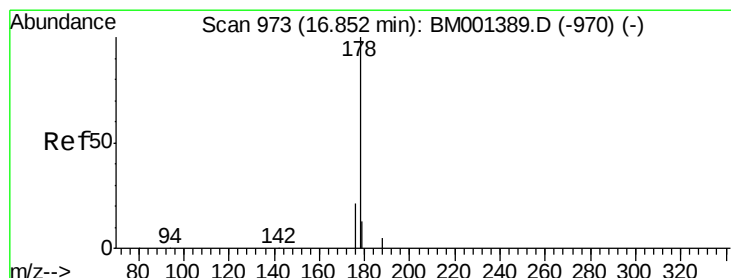
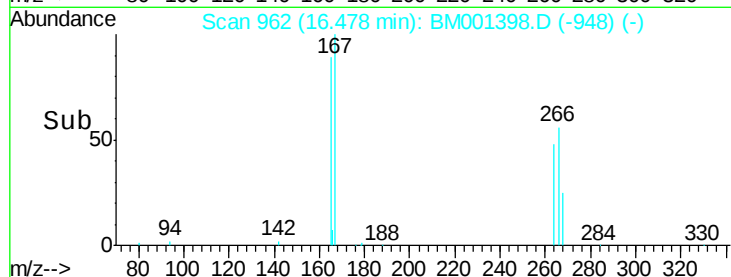
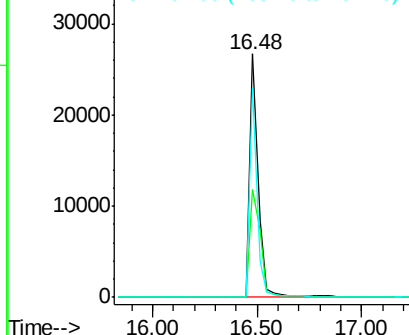
#21  
 Pentachlorophenol  
 Concen: 15.41 ng  
 RT: 16.48 min Scan# 962  
 Delta R.T. -0.03 min  
 Lab File: BM001398.D  
 Acq: 23 May 2015 01:39

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB83556BSD

Tgt Ion:266 Resp: 76353  
 Ion Ratio Lower Upper  
 266 100  
 268 44.4 63.0 94.4#  
 264 85.6 52.8 79.2#

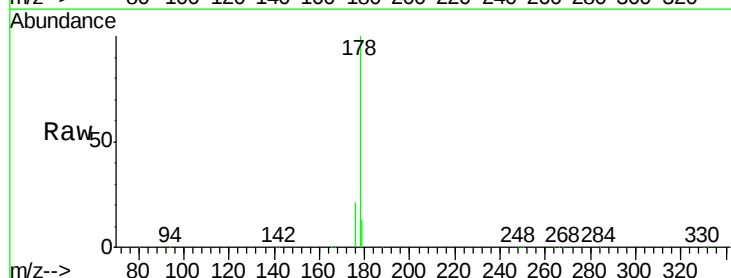


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

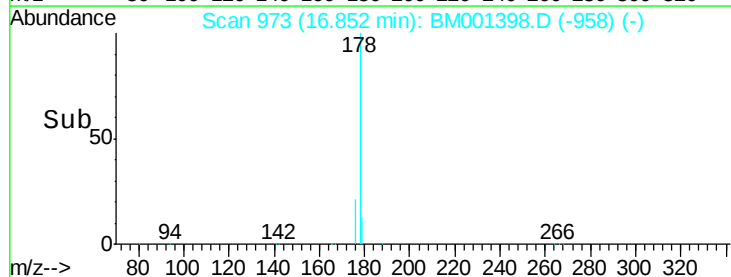
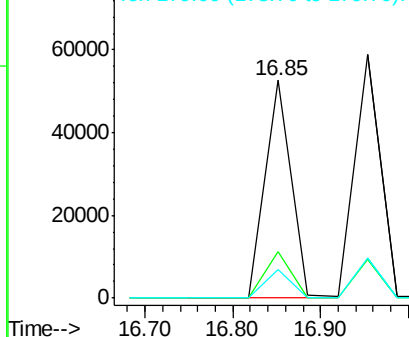


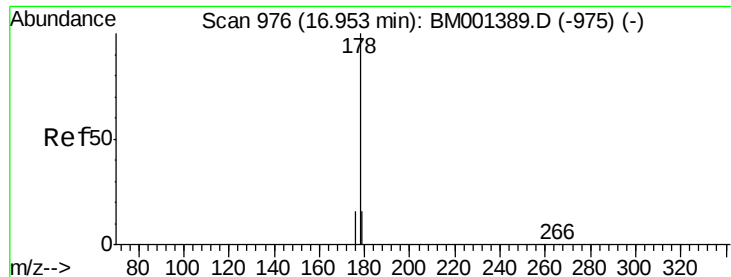
#22  
 Phenanthrene  
 Concen: 4.65 ng  
 RT: 16.85 min Scan# 973  
 Delta R.T. 0.00 min  
 Lab File: BM001398.D  
 Acq: 23 May 2015 01:39

Tgt Ion:178 Resp: 109324  
 Ion Ratio Lower Upper  
 178 100  
 176 21.3 16.8 25.2  
 179 13.4 11.0 16.4



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





#23

Anthracene

Concen: 8.61 ng

RT: 16.95 min Scan# 976

Delta R.T. 0.00 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

Instrument :

BNA\_M

ClientSampleId :

PB83556BSD

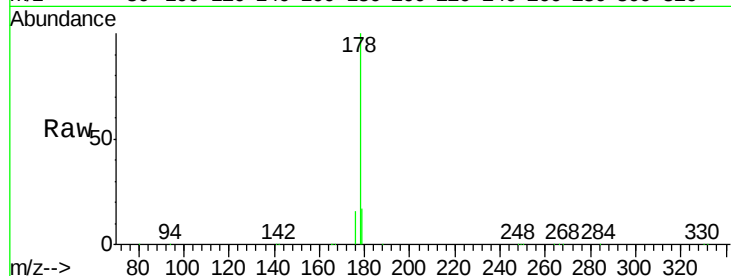
Tgt Ion:178 Resp: 121782

Ion Ratio Lower Upper

178 100

176 16.1 13.1 19.7

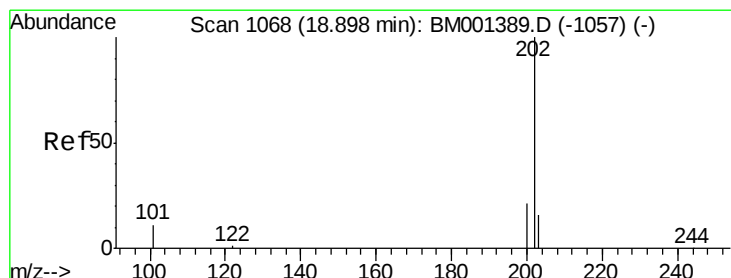
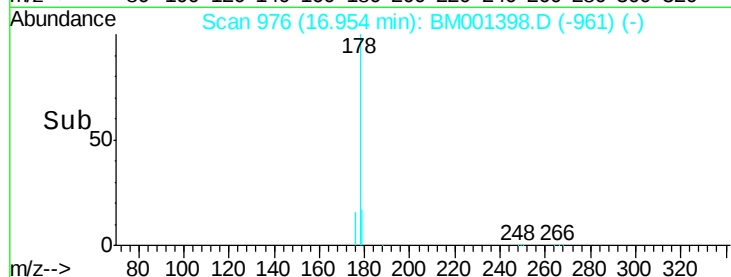
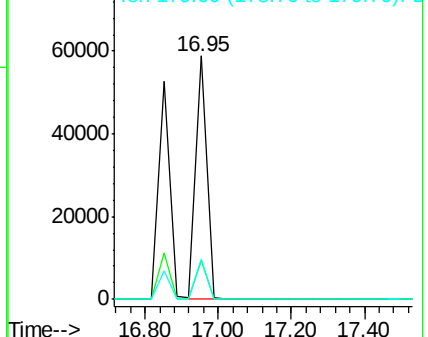
179 16.7 12.8 19.2



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



#24

Fluoranthene

Concen: 7.39 ng

RT: 18.90 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

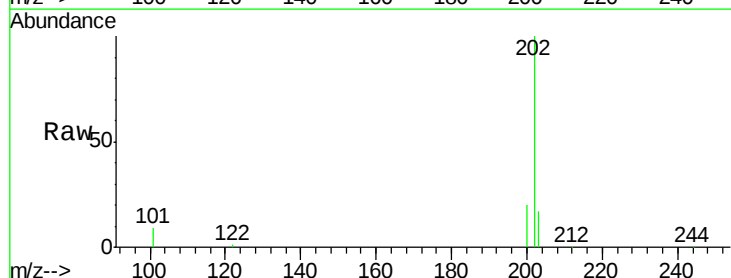
Tgt Ion:202 Resp: 107793

Ion Ratio Lower Upper

202 100

101 11.0 8.6 12.8

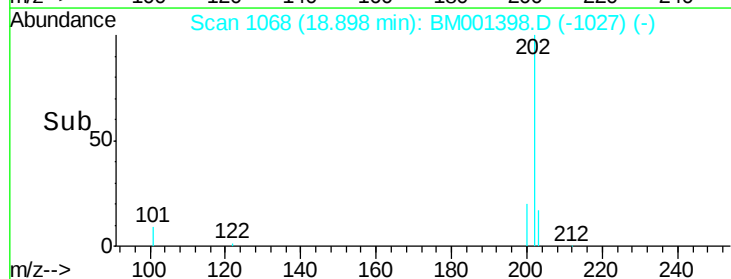
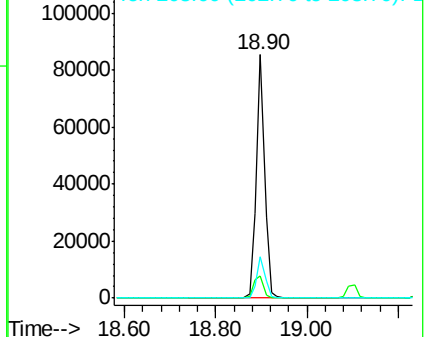
203 16.9 13.8 20.6

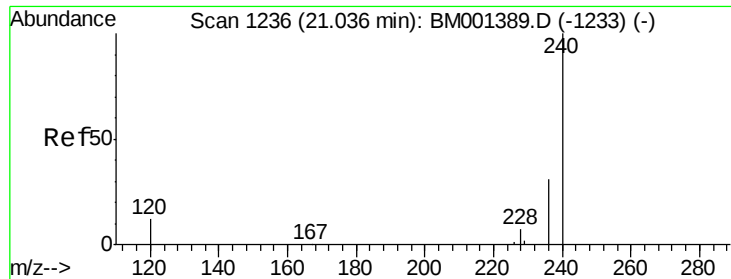


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

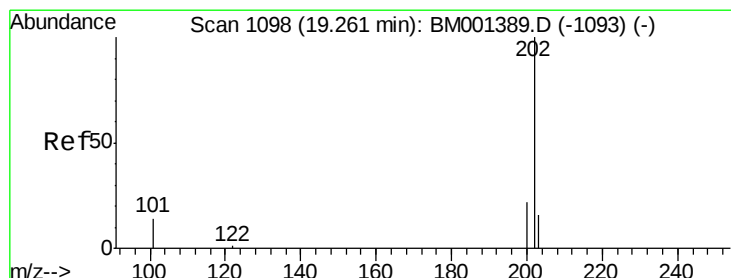
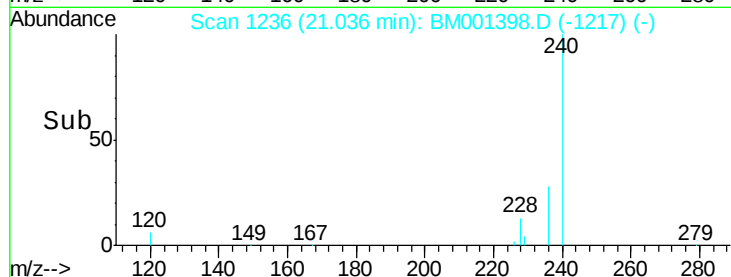
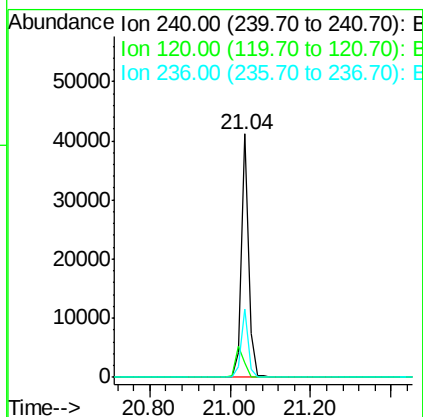
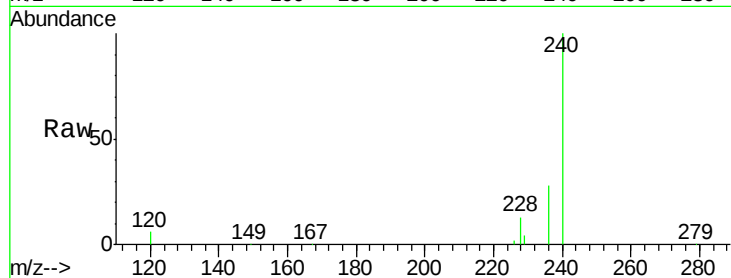




#25  
Chrysene-d12  
Concen: 5.00 ng  
RT: 21.04 min Scan# 1236  
Delta R.T. 0.00 min  
Lab File: BM001398.D  
Acq: 23 May 2015 01:39

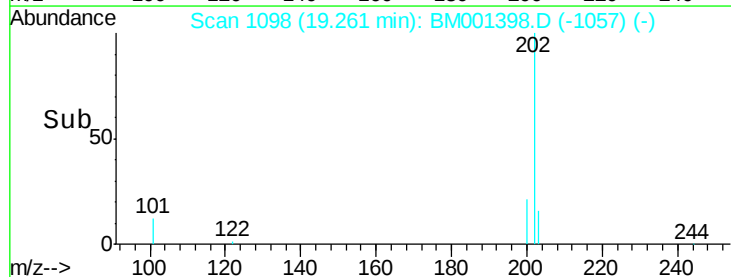
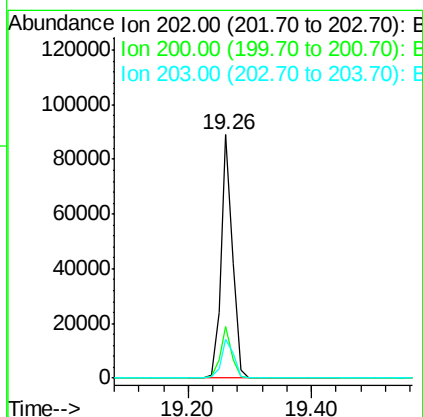
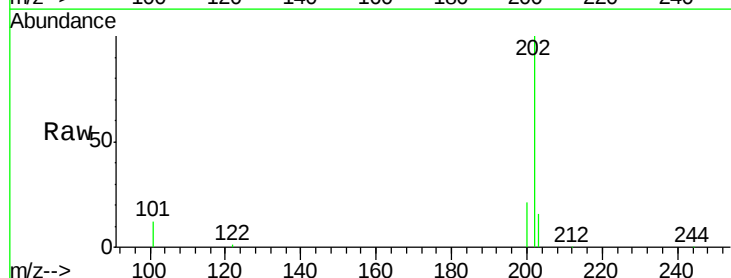
Instrument :  
BNA\_M  
ClientSampleId :  
PB83556BSD

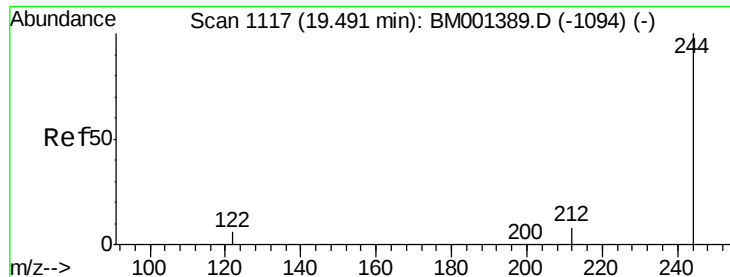
Tgt Ion:240 Resp: 49706  
Ion Ratio Lower Upper  
240 100  
120 6.0 9.7 14.5#  
236 27.8 24.8 37.2



#26  
Pyrene  
Concen: 7.72 ng  
RT: 19.26 min Scan# 1098  
Delta R.T. 0.00 min  
Lab File: BM001398.D  
Acq: 23 May 2015 01:39

Tgt Ion:202 Resp: 115897  
Ion Ratio Lower Upper  
202 100  
200 20.6 16.4 24.6  
203 17.7 13.9 20.9





#27

Terphenyl-d14

Concen: 7.02 ng

RT: 19.48 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

Instrument :

BNA\_M

ClientSampleId :

PB83556BSD

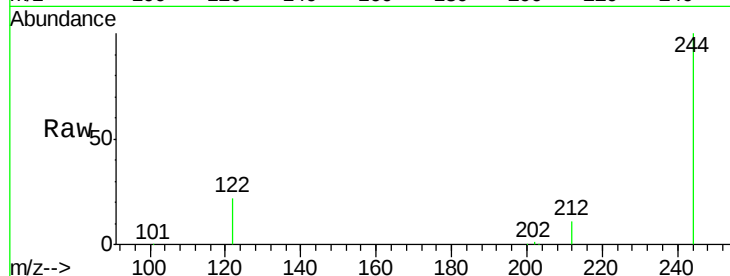
Tgt Ion:244 Resp: 47211

Ion Ratio Lower Upper

244 100

212 10.9 7.2 10.8#

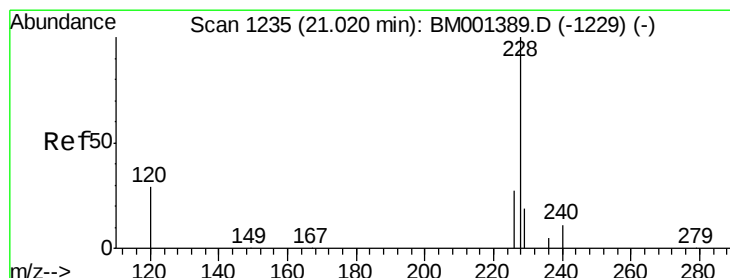
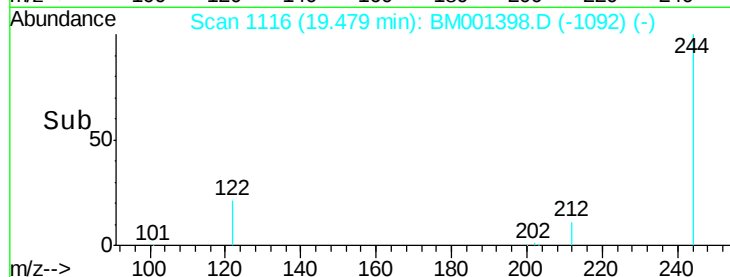
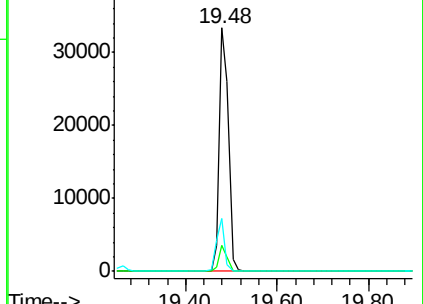
122 21.6 5.1 7.7#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#28

Benzo(a)anthracene

Concen: 7.04 ng

RT: 21.02 min Scan# 1235

Delta R.T. 0.00 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

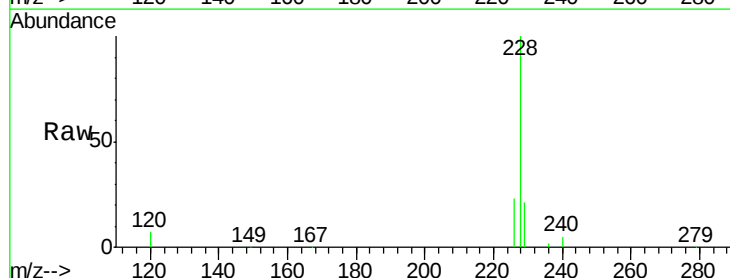
Tgt Ion:228 Resp: 103289

Ion Ratio Lower Upper

228 100

226 23.4 21.9 32.9

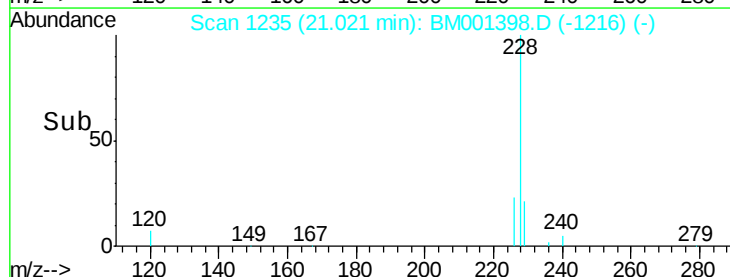
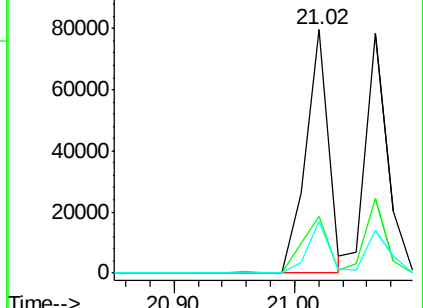
229 21.2 15.1 22.7

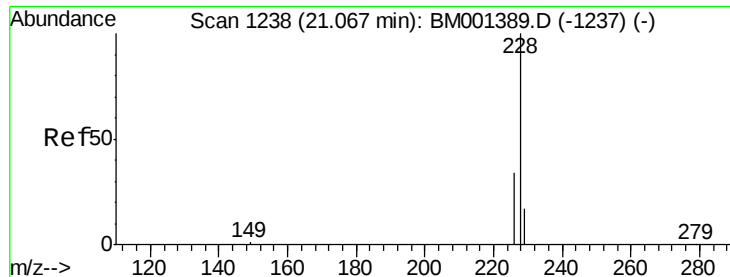


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Chrysene

Concen: 7.09 ng

RT: 21.07 min Scan# 1238

Delta R.T. 0.00 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

Instrument :

BNA\_M

ClientSampleId :

PB83556BSD

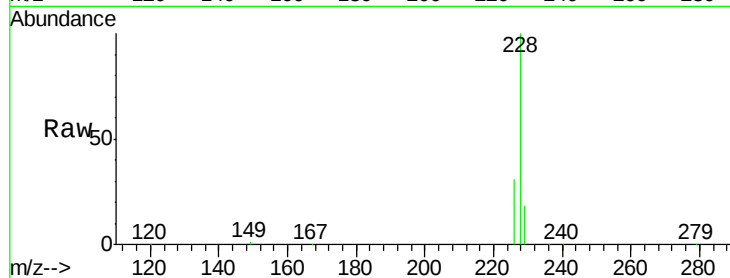
Tgt Ion:228 Resp: 93219

Ion Ratio Lower Upper

228 100

226 31.2 27.6 41.4

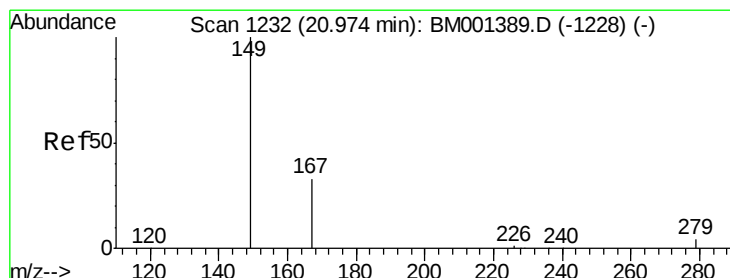
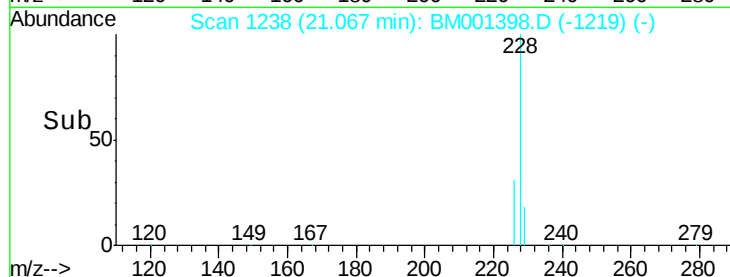
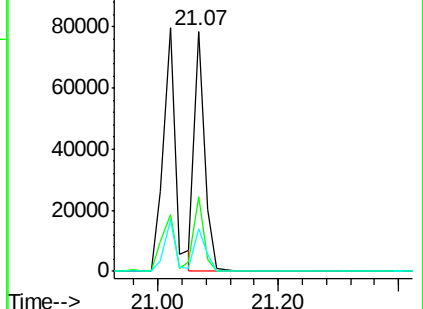
229 17.7 13.6 20.4



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 8.37 ng

RT: 20.96 min Scan# 1231

Delta R.T. -0.02 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

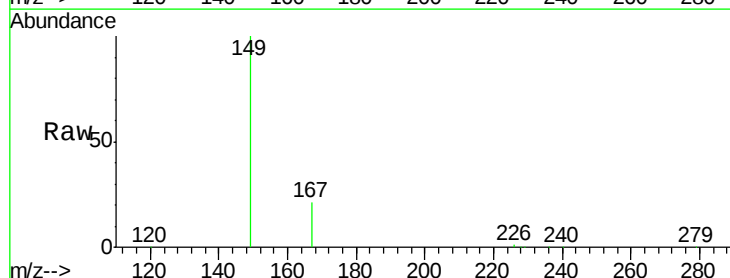
Tgt Ion:149 Resp: 66329

Ion Ratio Lower Upper

149 100

167 25.5 21.0 31.6

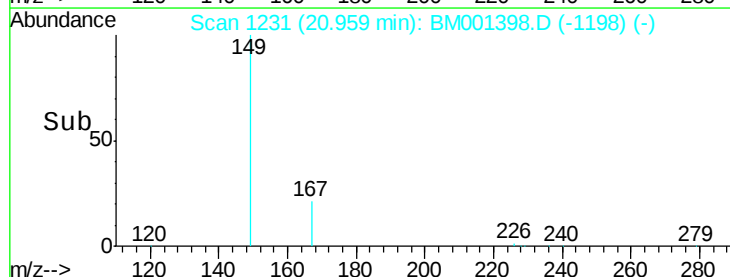
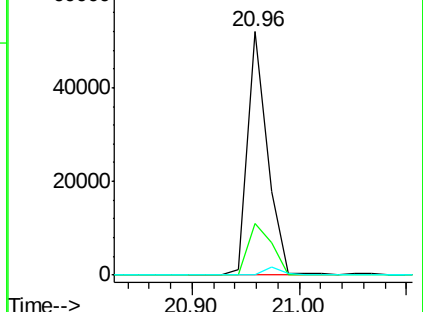
279 2.7 2.2 3.2

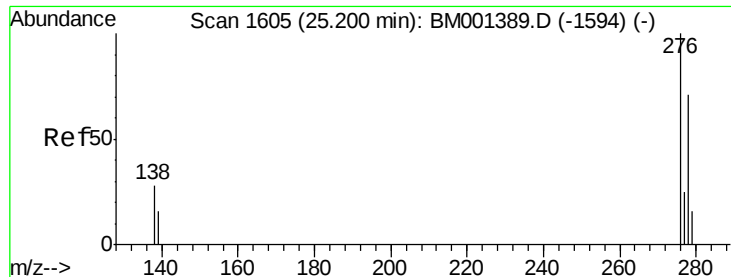


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#31

Indeno(1,2,3-cd)pyrene

Concen: 6.86 ng

RT: 25.19 min Scan# 1604

Delta R.T. -0.01 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

Instrument :

BNA\_M

ClientSampleId :

PB83556BSD

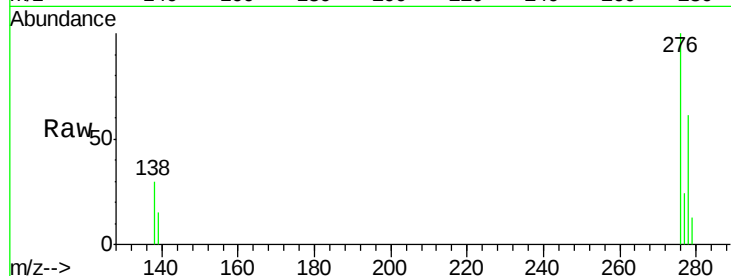
Tgt Ion:276 Resp: 99543

Ion Ratio Lower Upper

276 100

138 30.1 23.4 35.0

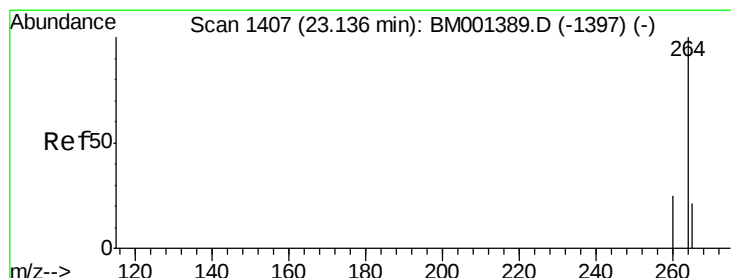
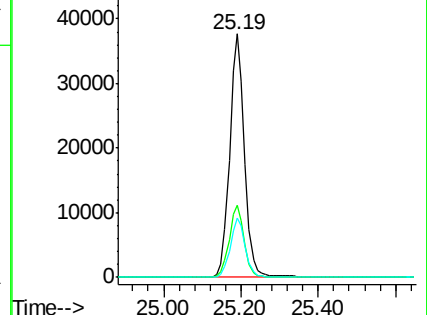
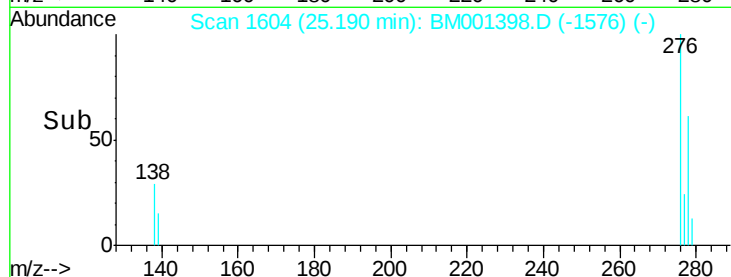
277 24.5 19.5 29.3



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



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.14 min Scan# 1407

Delta R.T. 0.00 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

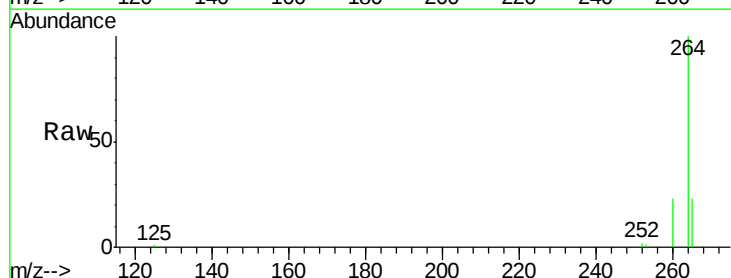
Tgt Ion:264 Resp: 42751

Ion Ratio Lower Upper

264 100

260 23.4 20.1 30.1

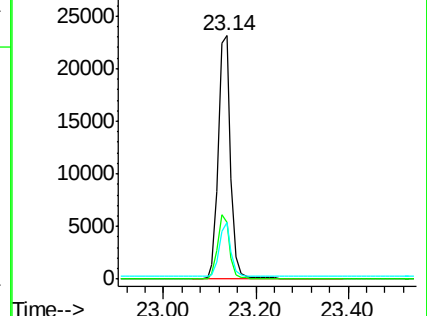
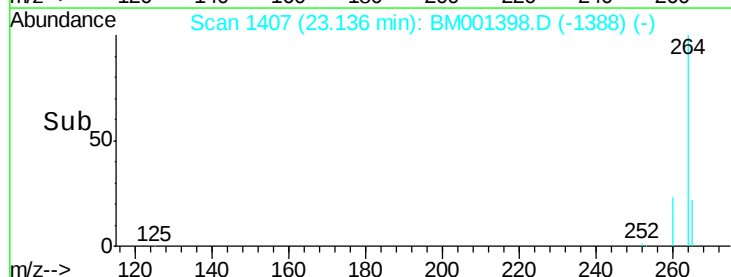
265 23.2 17.1 25.7

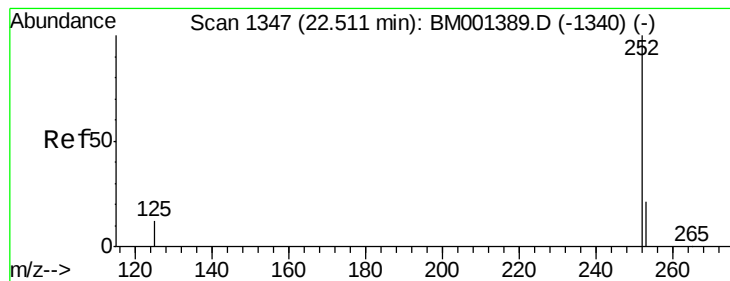


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 8.04 ng

RT: 22.51 min Scan# 1347

Delta R.T. 0.00 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

Instrument :

BNA\_M

ClientSampleId :

PB83556BSD

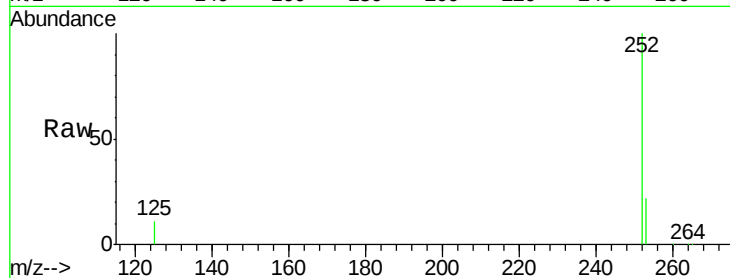
Tgt Ion:252 Resp: 104122

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

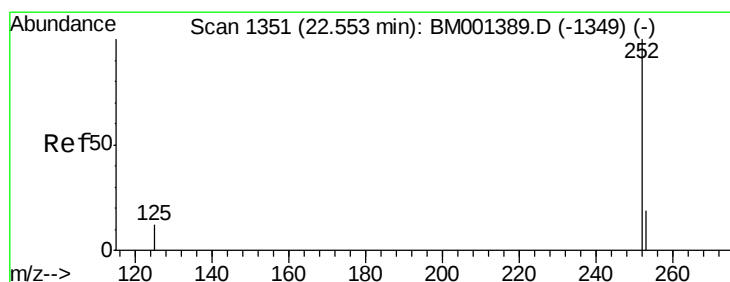
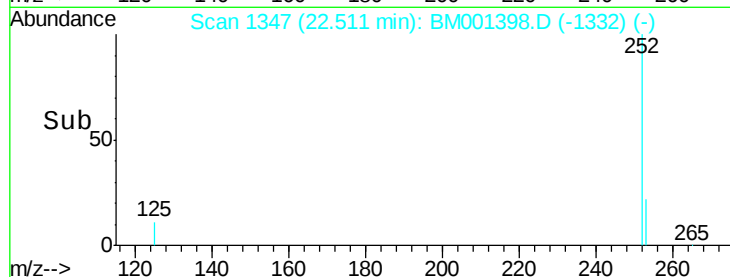
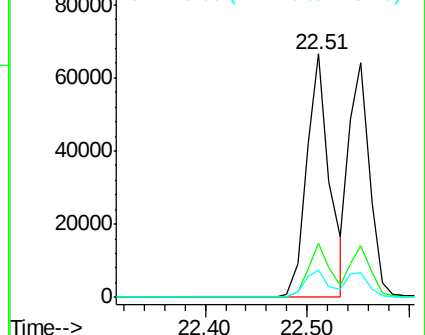
125 11.2 10.2 15.4



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



#34

Benzo(k)fluoranthene

Concen: 7.52 ng

RT: 22.55 min Scan# 1351

Delta R.T. 0.00 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

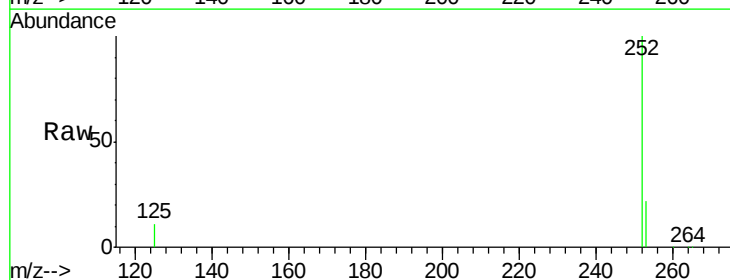
Tgt Ion:252 Resp: 90868

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

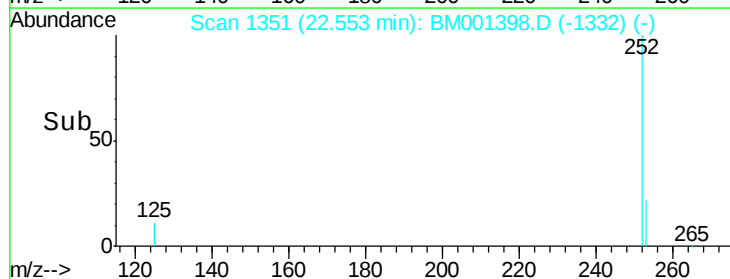
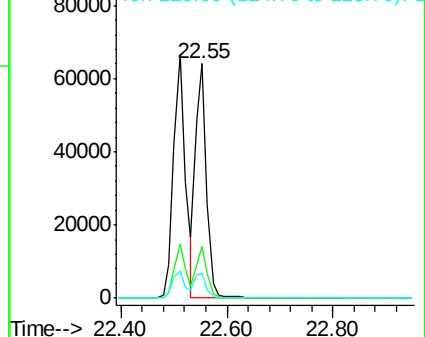
125 10.8 9.7 14.5

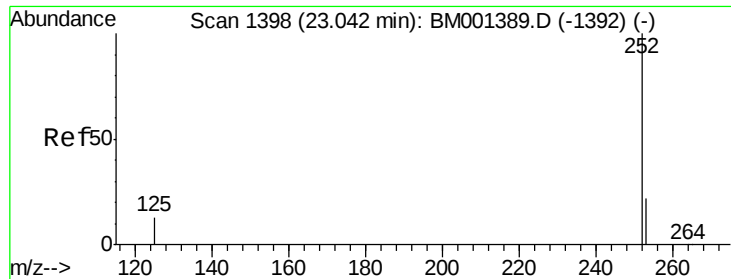


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 8.11 ng

RT: 23.03 min Scan# 1397

Delta R.T. -0.01 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

Instrument :

BNA\_M

ClientSampleId :

PB83556BSD

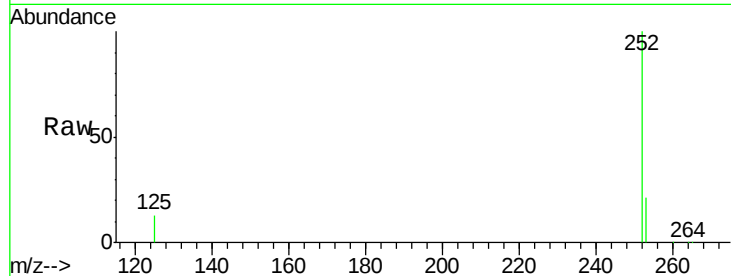
Tgt Ion:252 Resp: 92734

Ion Ratio Lower Upper

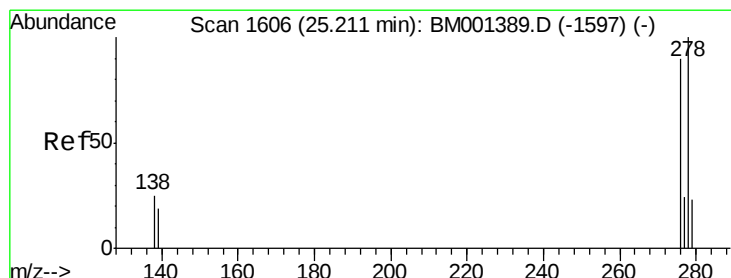
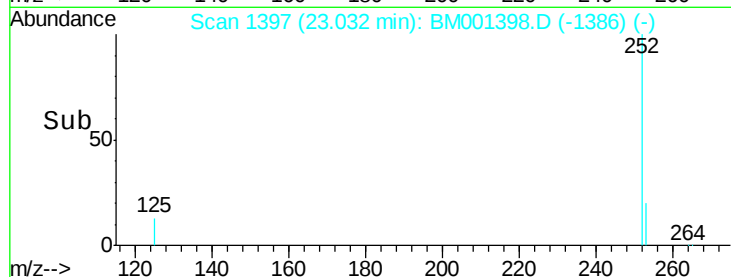
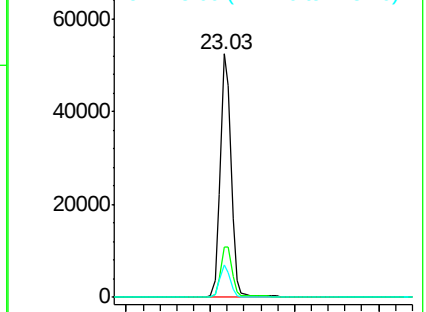
252 100

253 20.6 18.6 28.0

125 13.4 10.7 16.1



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



#36

Dibenzo(a,h)anthracene

Concen: 7.64 ng

RT: 25.20 min Scan# 1605

Delta R.T. -0.01 min

Lab File: BM001398.D

Acq: 23 May 2015 01:39

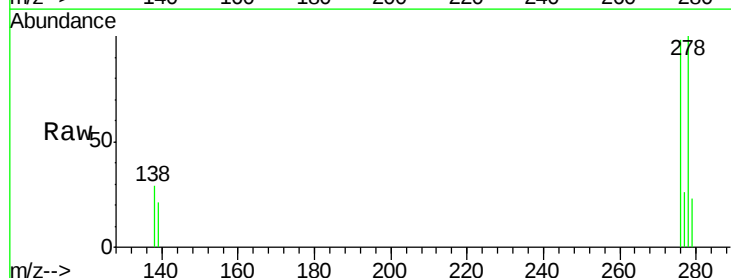
Tgt Ion:278 Resp: 79141

Ion Ratio Lower Upper

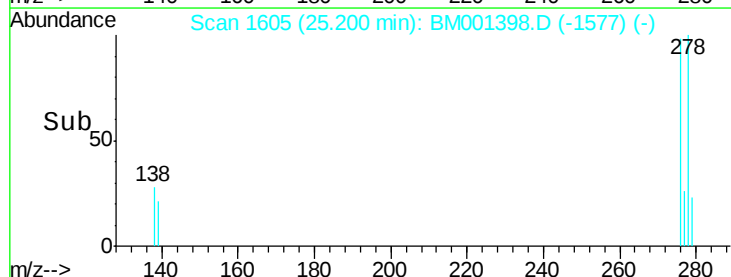
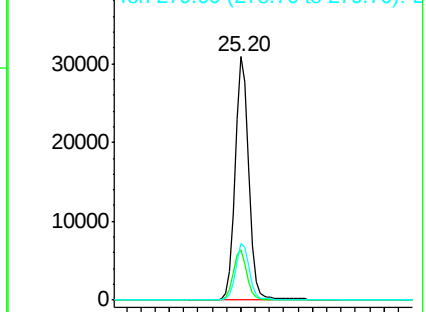
278 100

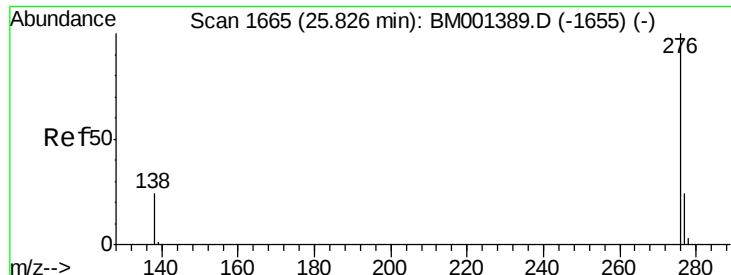
139 20.8 15.7 23.5

279 23.1 19.4 29.2



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#37

Benzo(g,h,i)perylene

Concen: 7.43 ng

RT: 25.82 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BM001398.D

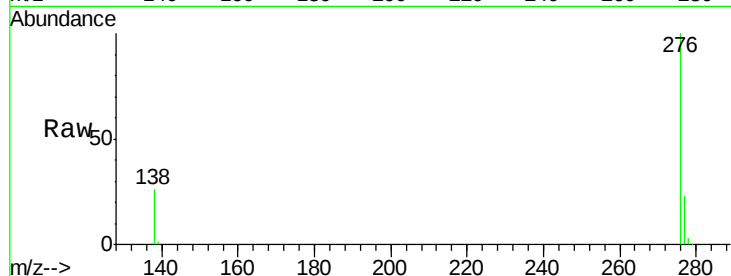
Acq: 23 May 2015 01:39

Instrument :

BNA\_M

ClientSampleId :

PB83556BSD



Tgt Ion: 276 Resp: 81839

Ion Ratio Lower Upper

276 100

277 23.2 19.8 29.6

138 25.7 20.2 30.2

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

