

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052215\  
 Data File : BM001400.D  
 Acq On : 23 May 2015 02:50  
 Operator : TP/IZ  
 Sample : G2255-20DL 25X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LF001MW001-150518DL

Quant Time: May 25 08:36:44 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SIMPAH-BM052215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat May 23 04:45:39 2015  
 Response via : Initial Calibration

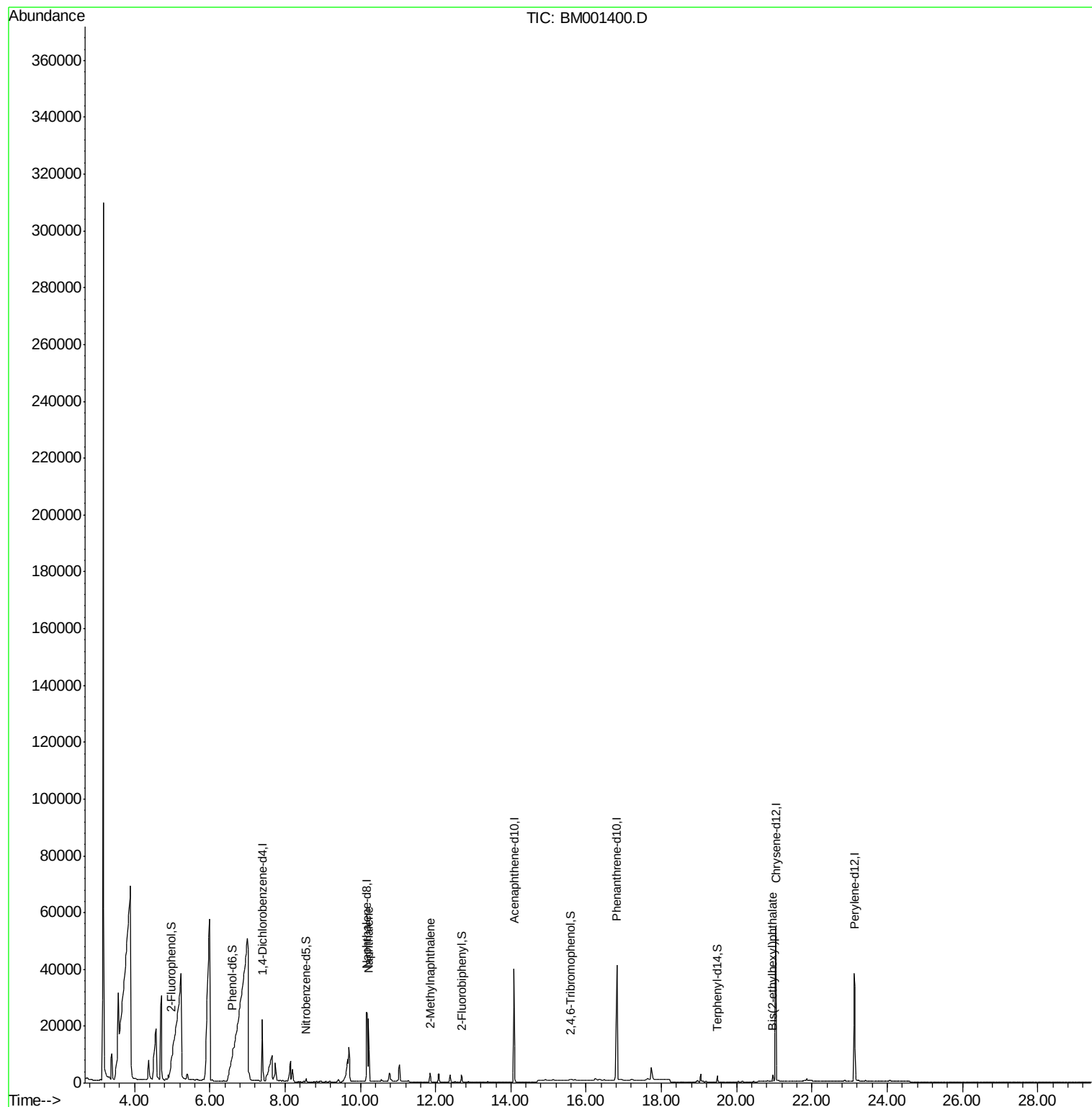
| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.40  | 152  | 11474    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8              | 10.18 | 136  | 42468    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10           | 14.08 | 164  | 23719    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10           | 16.82 | 188  | 79904    | 5.00 | ng    | 0.00     |
| 25) Chrysene-d12               | 21.04 | 240  | 50940    | 5.00 | ng    | 0.00     |
| 32) Perylene-d12               | 23.13 | 264  | 47507    | 5.00 | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |      |       |          |
| 4) 2-Fluorophenol              | 4.99  | 112  | 601m     | 0.27 | ng    | 0.00     |
| 5) Phenol-d6                   | 6.60  | 99   | 2394     | 0.91 | ng    | 0.00     |
| 7) Nitrobenzene-d5             | 8.55  | 82   | 926      | 0.38 | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol       | 15.59 | 330  | 302      | 0.41 | ng    | 0.00     |
| 14) 2-Fluorobiphenyl           | 12.69 | 172  | 2495     | 0.34 | ng    | 0.00     |
| 27) Terphenyl-d14              | 19.48 | 244  | 2160     | 0.31 | ng    | -0.01    |
| Target Compounds               |       |      |          |      |       |          |
| 9) Naphthalene                 | 10.22 | 128  | 30962    | 3.43 | ng    | 99       |
| 11) 2-Methylnaphthalene        | 11.86 | 142  | 2220     | 0.36 | ng    | 96       |
| 30) Bis(2-ethylhexyl)phthalate | 20.96 | 149  | 2216     | 0.27 | ng    | 97       |

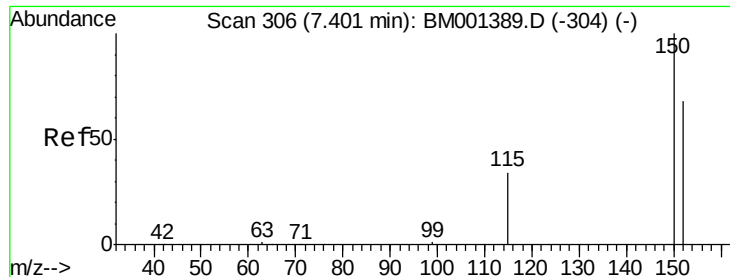
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001400.D

Acq: 23 May 2015 02:50

Instrument :

BNA\_M

ClientSampleId :

LF001MW001-150518DL

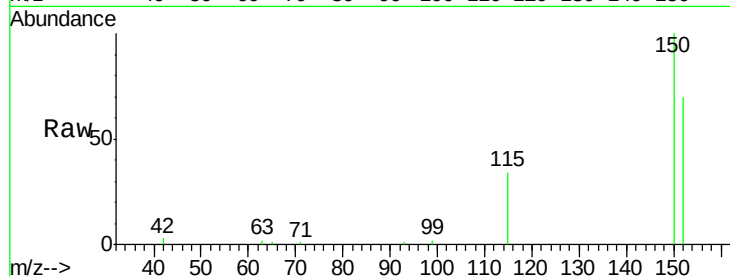
Tgt Ion:152 Resp: 11474

Ion Ratio Lower Upper

152 100

150 143.5 119.0 178.6

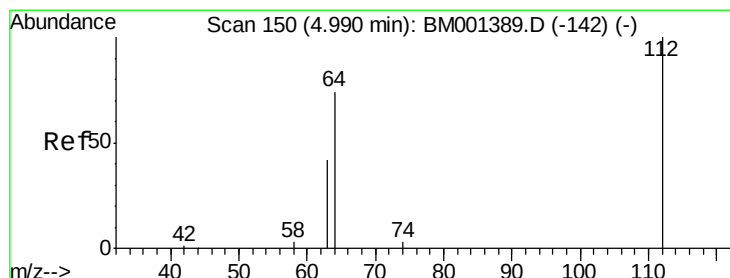
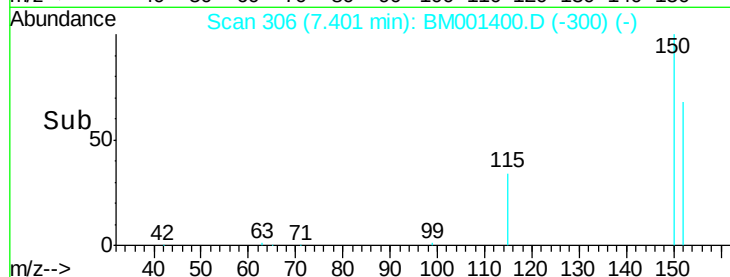
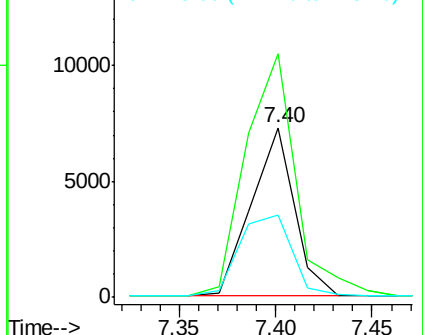
115 48.9 41.8 62.8



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



#4

2-Fluorophenol

Concen: 0.27 ng m

RT: 4.99 min Scan# 150

Delta R.T. 0.00 min

Lab File: BM001400.D

Acq: 23 May 2015 02:50

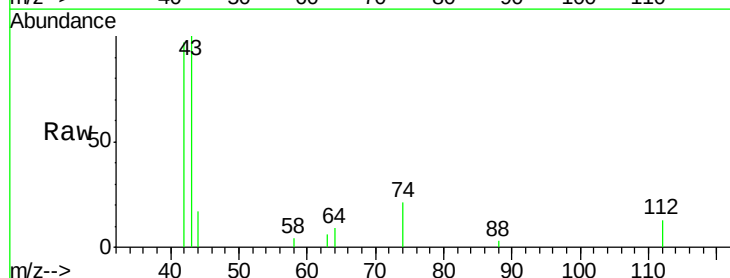
Tgt Ion:112 Resp: 601

Ion Ratio Lower Upper

112 100

64 15.5 51.7 77.5#

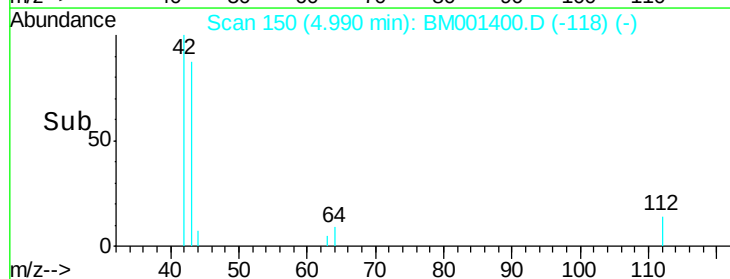
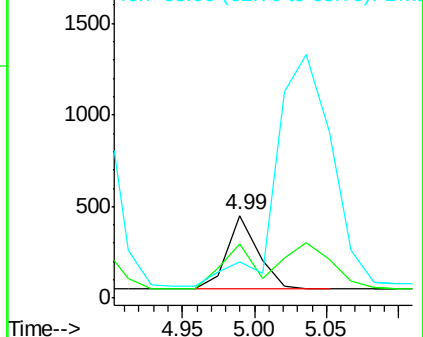
63 160.2 29.7 44.5#

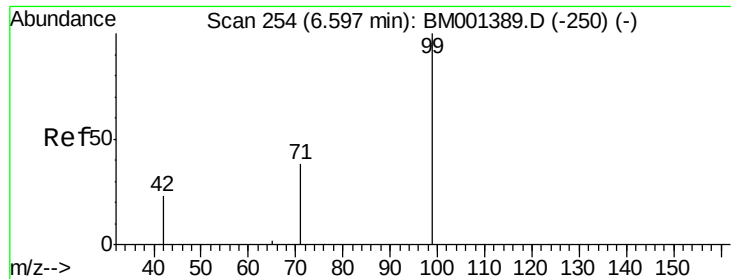


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#5

Phenol-d6

Concen: 0.91 ng

RT: 6.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: BM001400.D

Acq: 23 May 2015 02:50

Instrument :

BNA\_M

ClientSampleId :

LF001MW001-150518DL

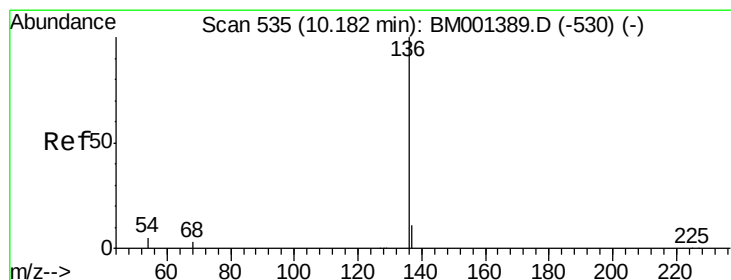
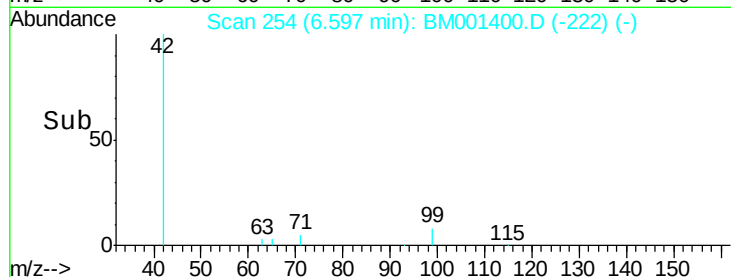
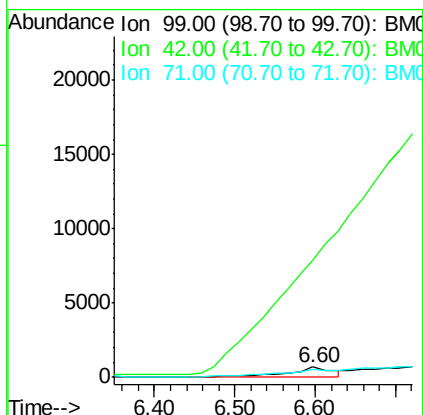
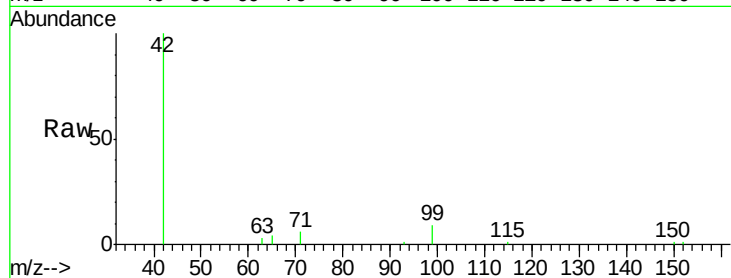
Tgt Ion: 99 Resp: 2394

Ion Ratio Lower Upper

99 100

42 0.0 21.8 32.6#

71 77.6 29.2 43.8#



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.18 min Scan# 535

Delta R.T. 0.00 min

Lab File: BM001400.D

Acq: 23 May 2015 02:50

Tgt Ion: 136 Resp: 42468

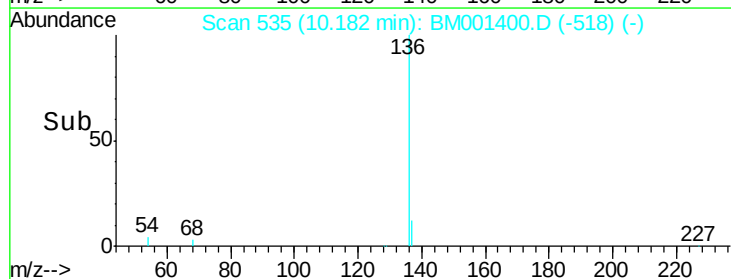
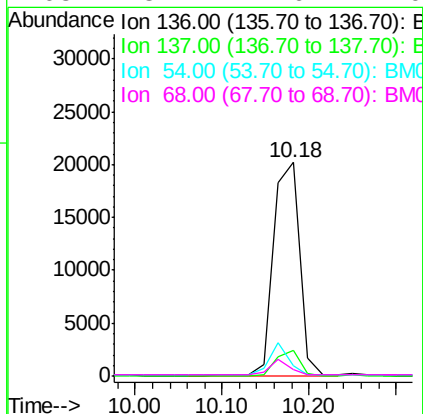
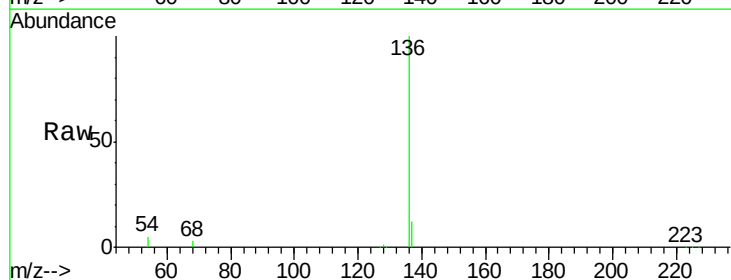
Ion Ratio Lower Upper

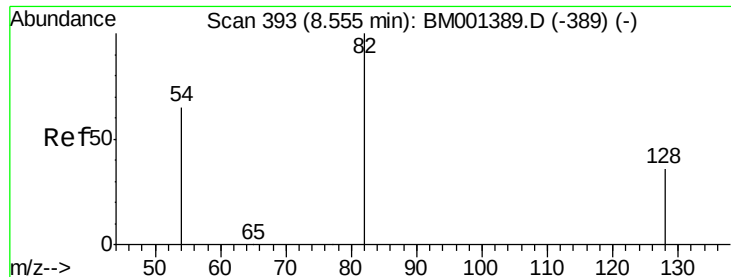
136 100

137 12.1 9.1 13.7

54 4.8 4.3 6.5

68 3.1 2.6 4.0





#7

Nitrobenzene-d5

Concen: 0.38 ng

RT: 8.55 min Scan# 393

Delta R.T. 0.00 min

Lab File: BM001400.D

Acq: 23 May 2015 02:50

Instrument :

BNA\_M

ClientSampleId :

LF001MW001-150518DL

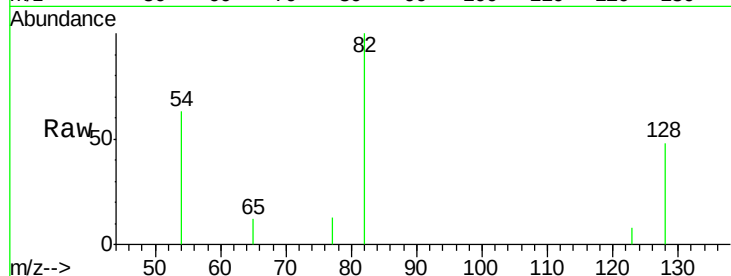
Tgt Ion: 82 Resp: 926

Ion Ratio Lower Upper

82 100

128 48.0 30.2 45.4#

54 63.3 52.9 79.3

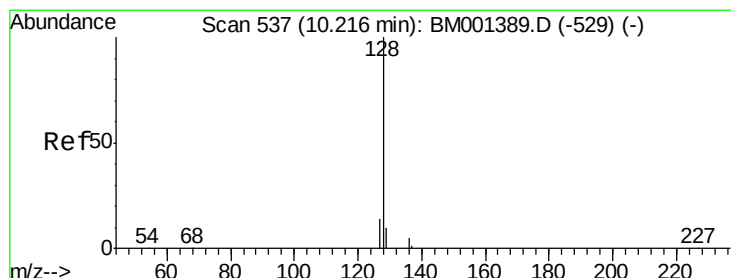
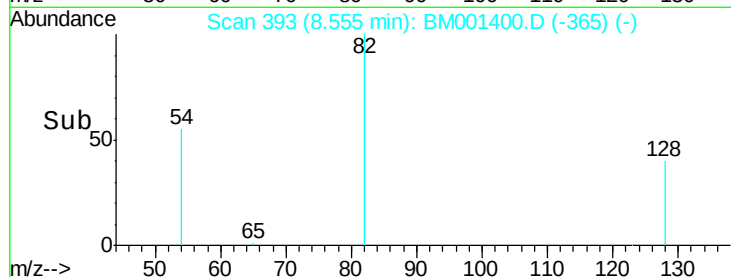
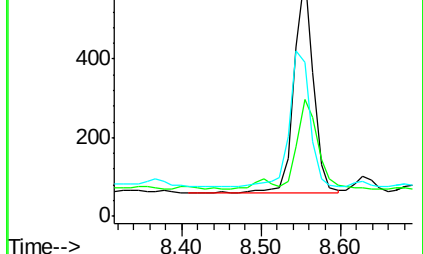


Abundance Ion 82.00 (81.70 to 82.70): BM001389.D (-389) (-)

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

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

Time-->



#9

Naphthalene

Concen: 3.43 ng

RT: 10.22 min Scan# 537

Delta R.T. 0.00 min

Lab File: BM001400.D

Acq: 23 May 2015 02:50

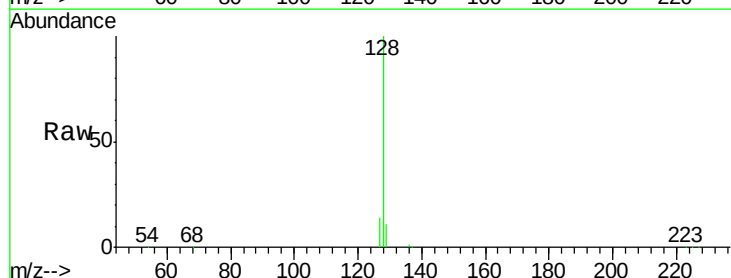
Tgt Ion: 128 Resp: 30962

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

127 13.7 11.7 17.5

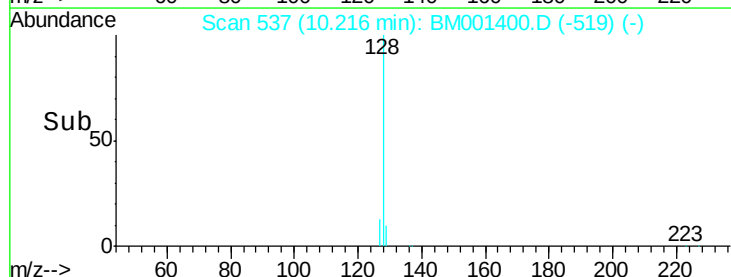
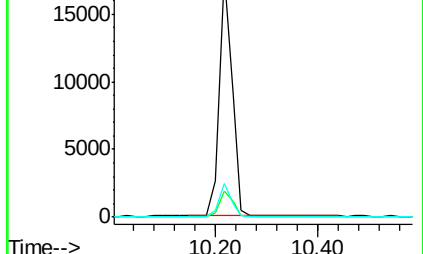


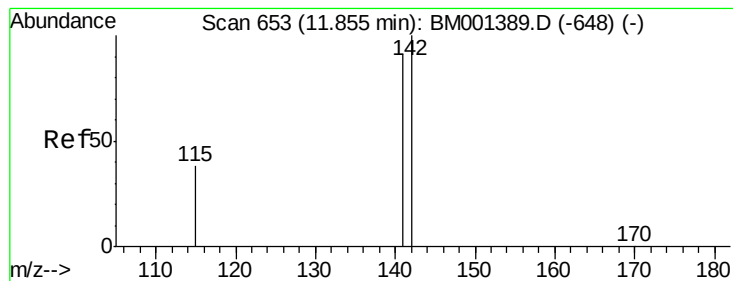
Abundance Ion 128.00 (127.70 to 128.70): BM001389.D (-529) (-)

Ion 129.00 (128.70 to 129.70): BM001389.D (-529) (-)

Ion 127.00 (126.70 to 127.70): BM001389.D (-529) (-)

Time-->





#11

2-Methylnaphthalene

Concen: 0.36 ng

RT: 11.86 min Scan# 653

Delta R.T. 0.00 min

Lab File: BM001400.D

Acq: 23 May 2015 02:50

Instrument :

BNA\_M

ClientSampleId :

LF001MW001-150518DL

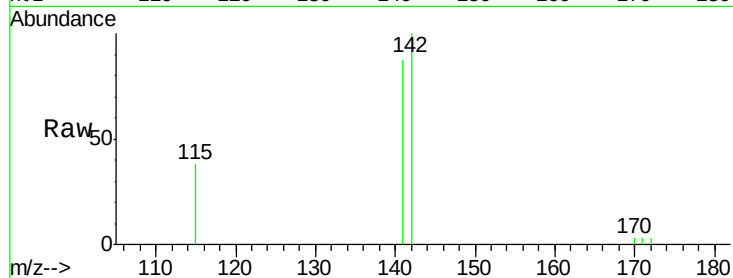
Tgt Ion:142 Resp: 2220

Ion Ratio Lower Upper

142 100

141 86.7 72.6 109.0

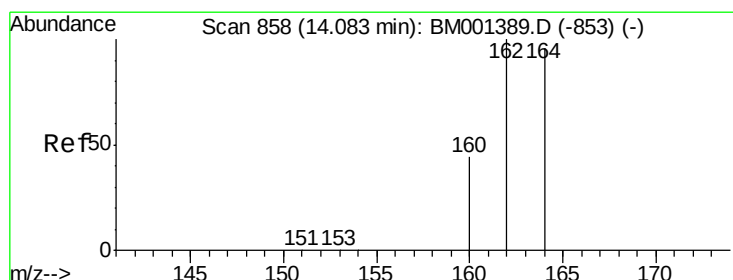
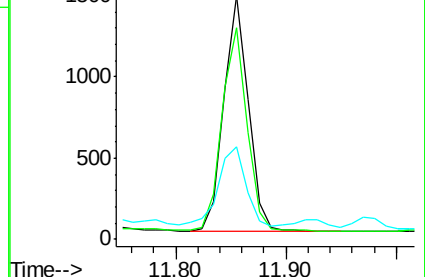
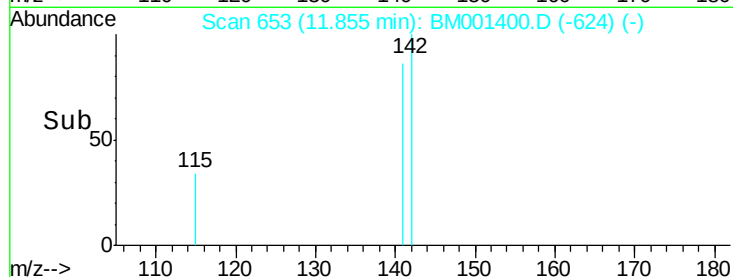
115 37.8 31.2 46.8



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: BM001400.D

Acq: 23 May 2015 02:50

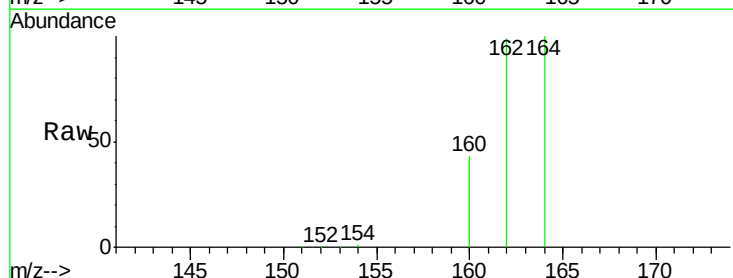
Tgt Ion:164 Resp: 23719

Ion Ratio Lower Upper

164 100

162 99.1 83.4 125.2

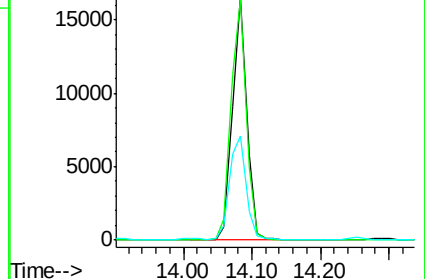
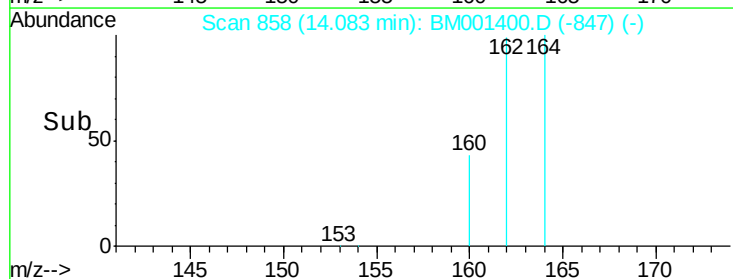
160 42.8 36.9 55.3

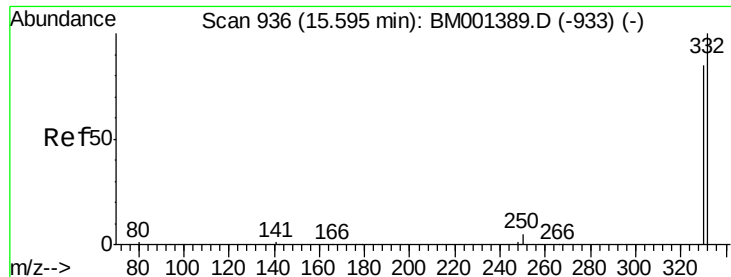


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

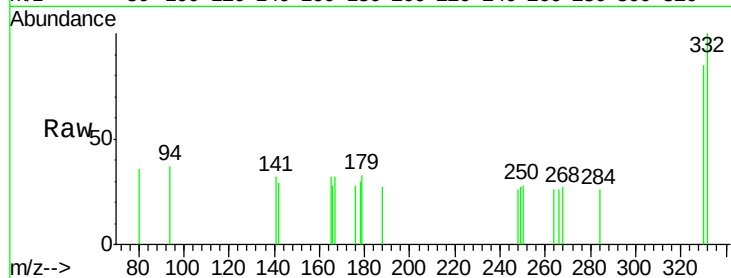




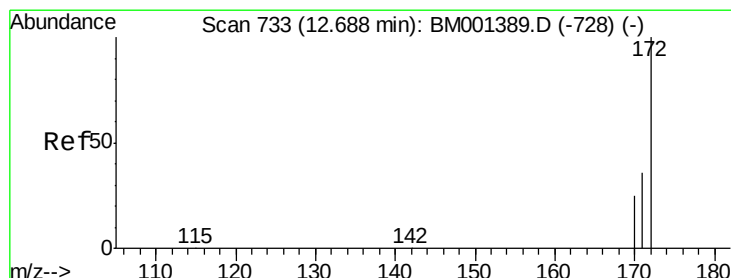
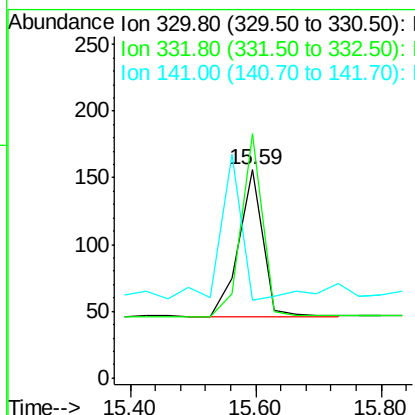
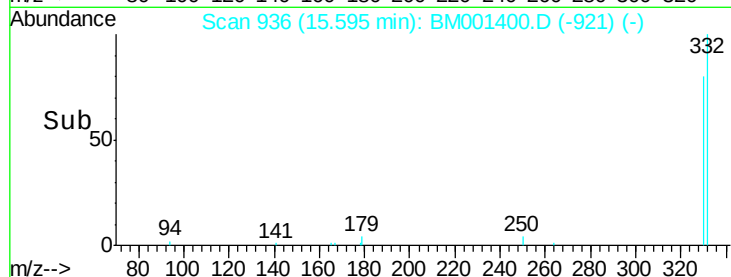
#13  
 2,4,6-Tribromophenol  
 Concen: 0.41 ng  
 RT: 15.59 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: BM001400.D  
 Acq: 23 May 2015 02:50

Instrument :  
 BNA\_M  
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 LF001MW001-150518DL

Tgt Ion:330 Resp: 302  
 Ion Ratio Lower Upper  
 330 100  
 332 107.9 90.3 135.5  
 141 0.0 0.0 0.0

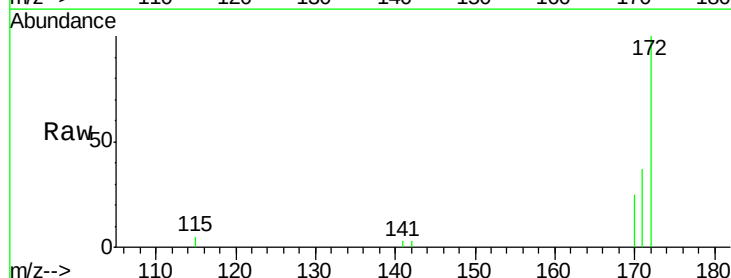


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

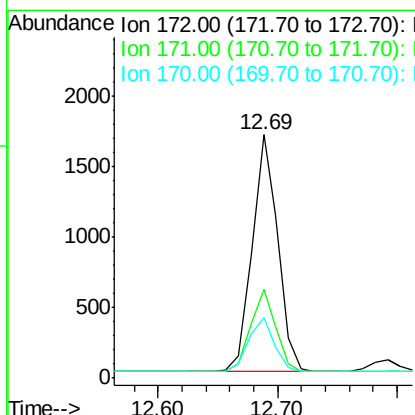
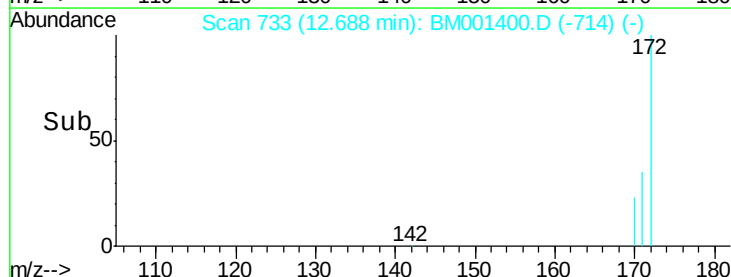


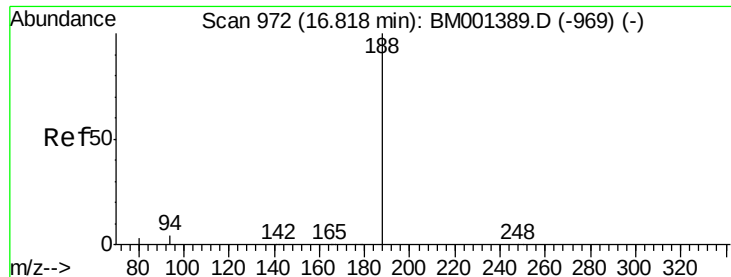
#14  
 2-Fluorobiphenyl  
 Concen: 0.34 ng  
 RT: 12.69 min Scan# 733  
 Delta R.T. 0.00 min  
 Lab File: BM001400.D  
 Acq: 23 May 2015 02:50

Tgt Ion:172 Resp: 2495  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 29.4 44.0  
 170 25.0 20.2 30.4



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

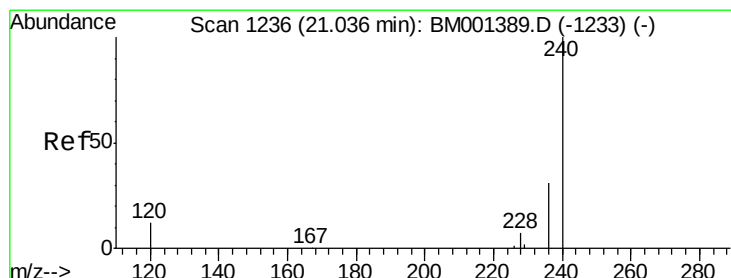
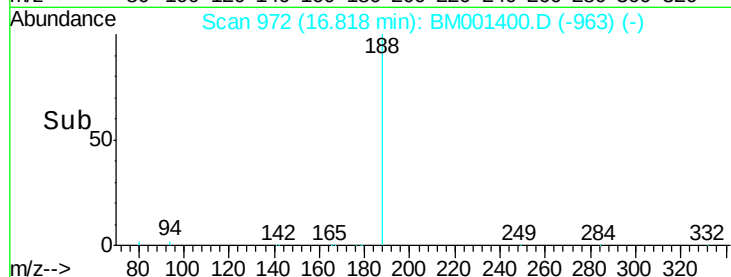
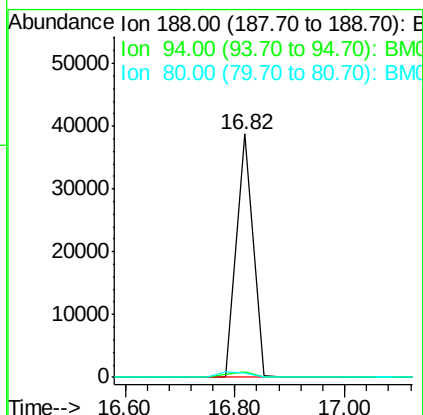
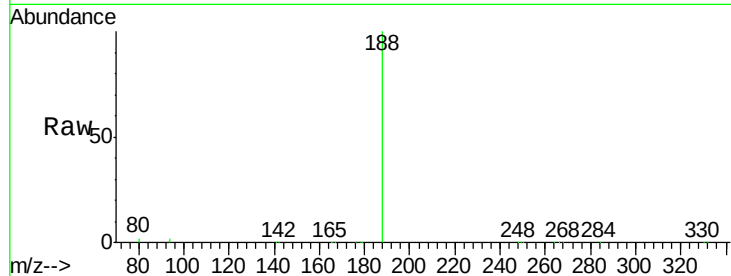




#18  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 16.82 min Scan# 972  
Delta R.T. 0.00 min  
Lab File: BM001400.D  
Acq: 23 May 2015 02:50

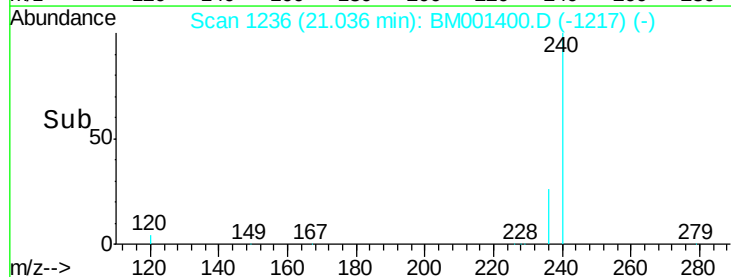
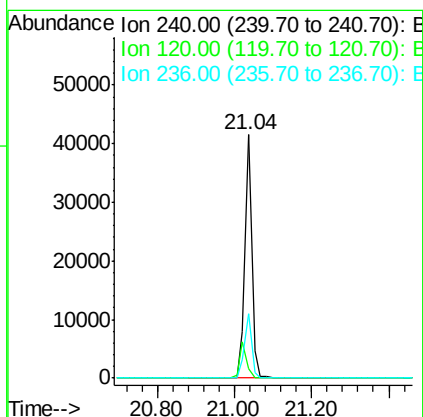
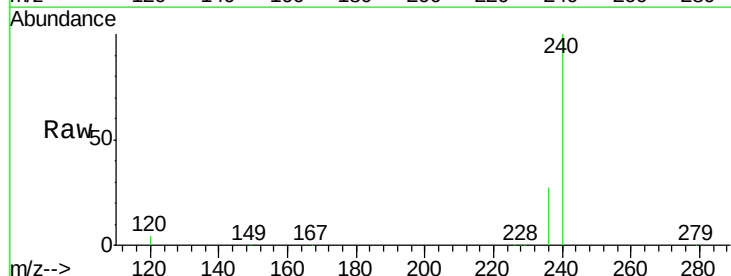
Instrument :  
BNA\_M  
ClientSampleId :  
LF001MW001-150518DL

Tgt Ion:188 Resp: 79904  
Ion Ratio Lower Upper  
188 100  
94 2.3 3.0 4.4#  
80 2.0 2.5 3.7#

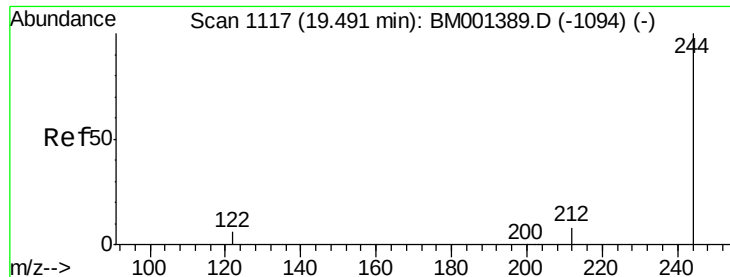


#25  
Chrysene-d12  
Concen: 5.00 ng  
RT: 21.04 min Scan# 1236  
Delta R.T. 0.00 min  
Lab File: BM001400.D  
Acq: 23 May 2015 02:50

Tgt Ion:240 Resp: 50940  
Ion Ratio Lower Upper  
240 100  
120 4.0 9.7 14.5#  
236 26.5 24.8 37.2







#27

Terphenyl-d14

Concen: 0.31 ng

RT: 19.48 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BM001400.D

Acq: 23 May 2015 02:50

Instrument :

BNA\_M

ClientSampleId :

LF001MW001-150518DL

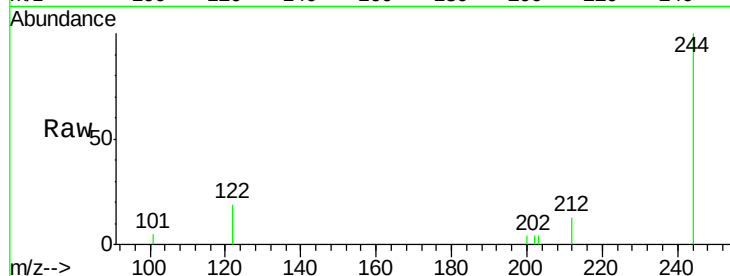
Tgt Ion:244 Resp: 2160

Ion Ratio Lower Upper

244 100

212 12.7 7.2 10.8#

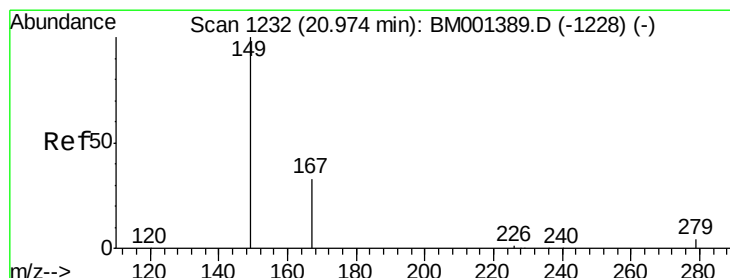
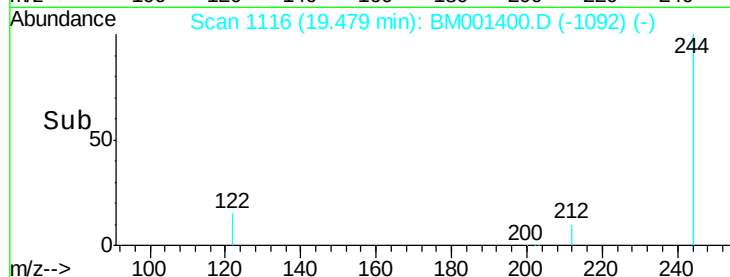
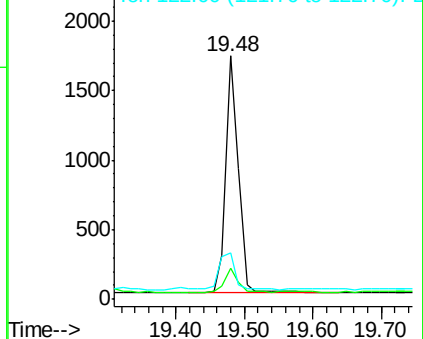
122 19.3 5.1 7.7#



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.27 ng

RT: 20.96 min Scan# 1231

Delta R.T. -0.02 min

Lab File: BM001400.D

Acq: 23 May 2015 02:50

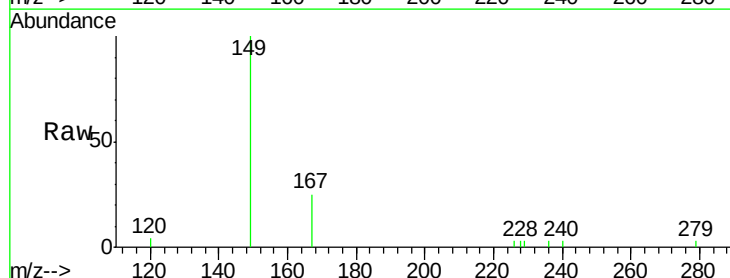
Tgt Ion:149 Resp: 2216

Ion Ratio Lower Upper

149 100

167 24.5 21.0 31.6

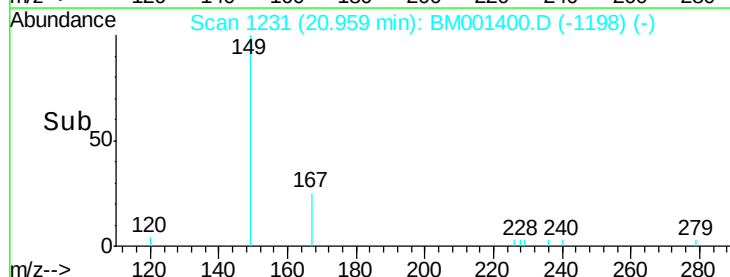
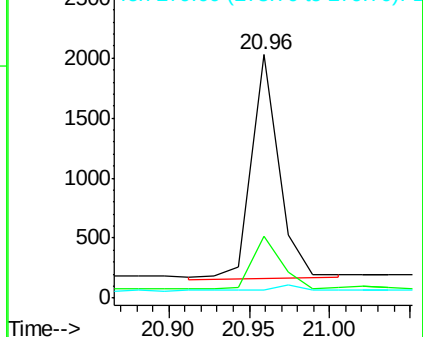
279 2.7 2.2 3.2

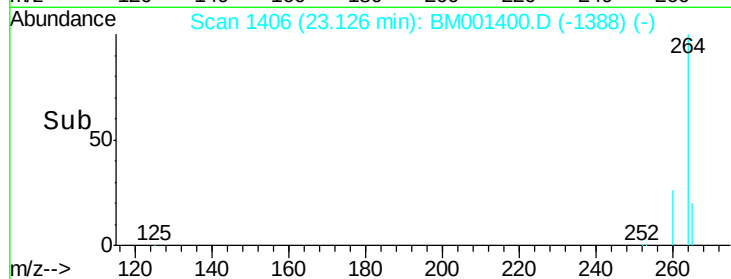
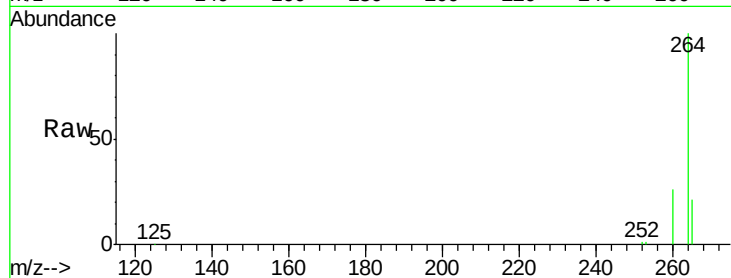
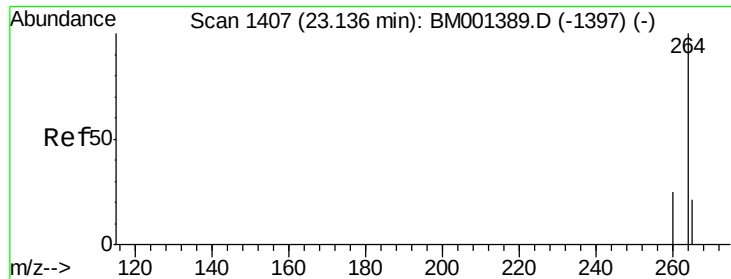


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#32

Perylene-d12

Concen: 5.00 ng

RT: 23.13 min Scan# 1406

Delta R.T. -0.01 min

Lab File: BM001400.D

Acq: 23 May 2015 02:50

Instrument :

BNA\_M

ClientSampleId :

LF001MW001-150518DL

Tgt Ion:264 Resp: 47507

Ion Ratio Lower Upper

264 100

260 26.4 20.1 30.1

265 21.0 17.1 25.7

