

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052215\  
 Data File : BM001405.D  
 Acq On : 23 May 2015 05:48  
 Operator : TP/IZ  
 Sample : G2334-06  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 RAV-GT-105

Quant Time: May 25 08:51:45 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

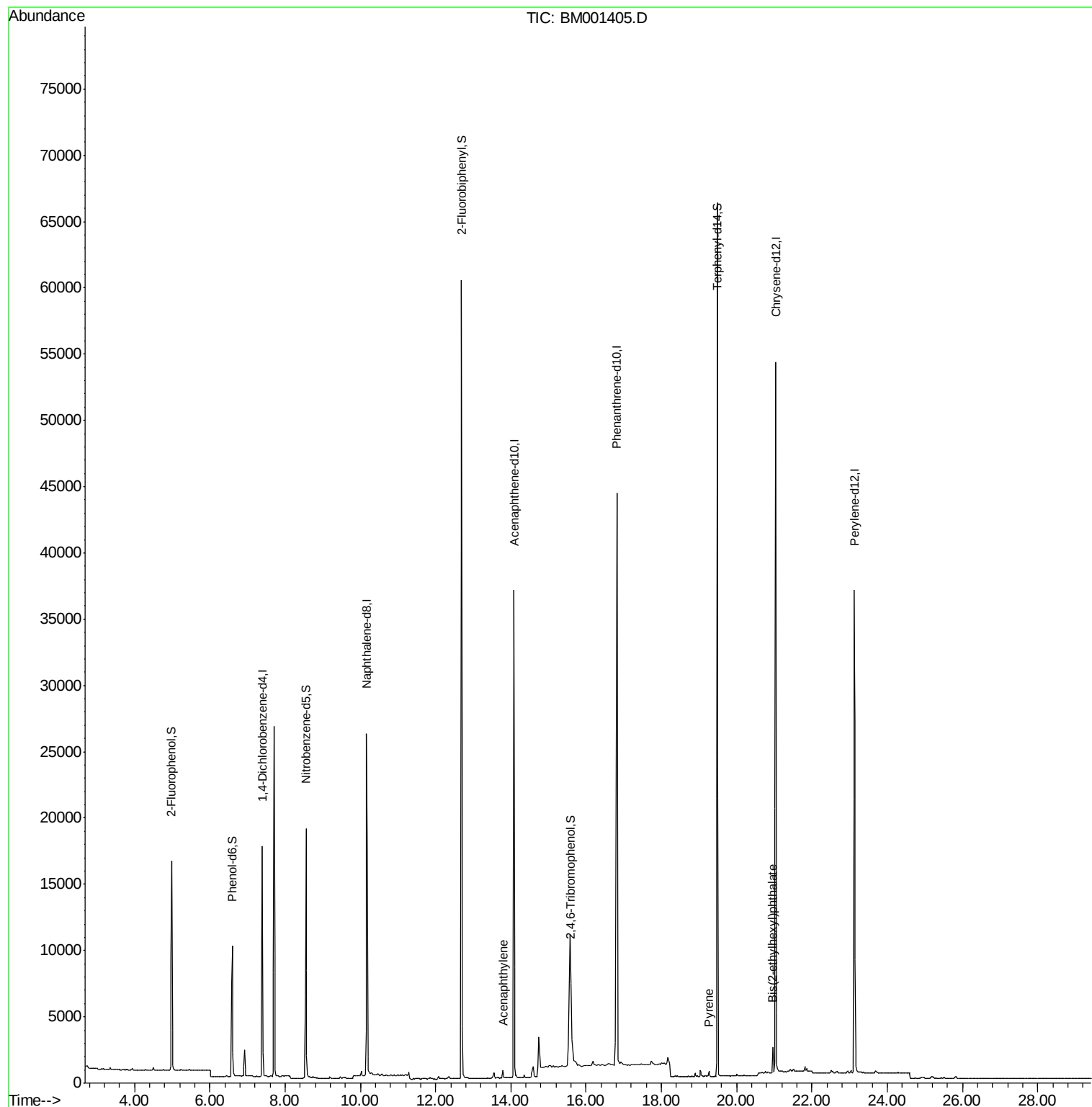
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.40  | 152  | 10930    | 5.00  | ng    | 0.00     |
| 6) Naphthalene-d8              | 10.16 | 136  | 39524    | 5.00  | ng    | -0.02    |
| 12) Acenaphthene-d10           | 14.08 | 164  | 23671    | 5.00  | ng    | 0.00     |
| 18) Phenanthrene-d10           | 16.82 | 188  | 86165    | 5.00  | ng    | 0.00     |
| 25) Chrysene-d12               | 21.04 | 240  | 51931    | 5.00  | ng    | 0.00     |
| 32) Perylene-d12               | 23.13 | 264  | 43212    | 5.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 4.99  | 112  | 12615    | 5.84  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.60  | 99   | 11227    | 4.48  | ng    | 0.00     |
| 7) Nitrobenzene-d5             | 8.55  | 82   | 16385    | 7.18  | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol       | 15.59 | 330  | 8588     | 11.68 | ng    | 0.00     |
| 14) 2-Fluorobiphenyl           | 12.69 | 172  | 56107    | 7.70  | ng    | 0.00     |
| 27) Terphenyl-d14              | 19.48 | 244  | 64396    | 9.16  | ng    | -0.01    |
| Target Compounds               |       |      |          |       |       | Qvalue   |
| 15) Acenaphthylene             | 13.79 | 152  | 633      | 0.06  | ng    | # 93     |
| 26) Pyrene                     | 19.26 | 202  | 376m     | 0.02  | ng    |          |
| 30) Bis(2-ethylhexyl)phthalate | 20.96 | 149  | 1897     | 0.23  | ng    | 94       |

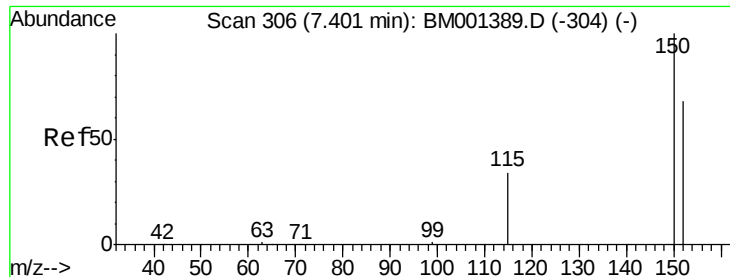
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001405.D

Acq: 23 May 2015 05:48

Instrument :

BNA\_M

ClientSampleId :

RAV-GT-105

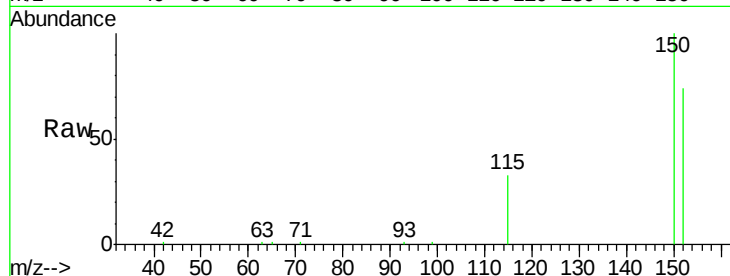
Tgt Ion:152 Resp: 10930

Ion Ratio Lower Upper

152 100

150 134.8 119.0 178.6

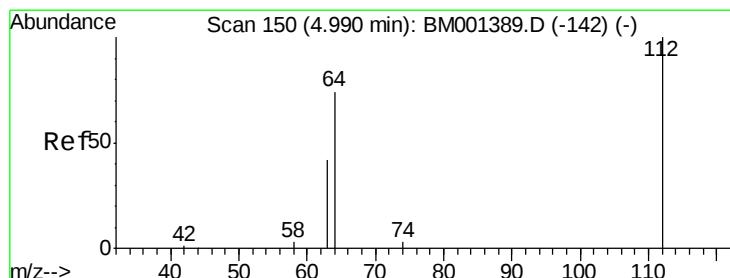
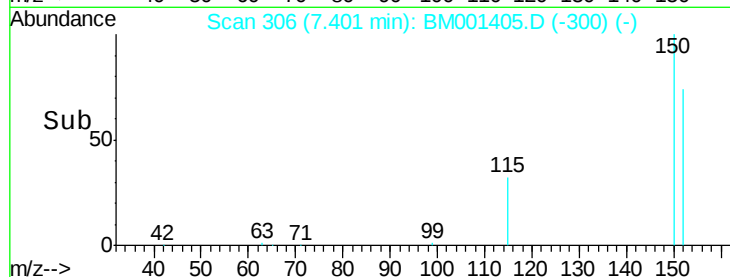
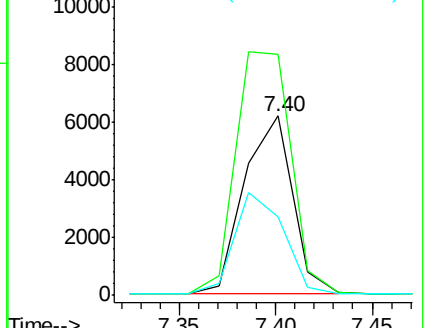
115 44.1 41.8 62.8



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: 5.84 ng

RT: 4.99 min Scan# 150

Delta R.T. 0.00 min

Lab File: BM001405.D

Acq: 23 May 2015 05:48

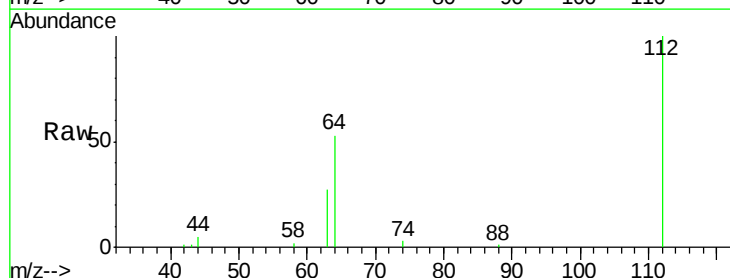
Tgt Ion:112 Resp: 12615

Ion Ratio Lower Upper

112 100

64 63.9 51.7 77.5

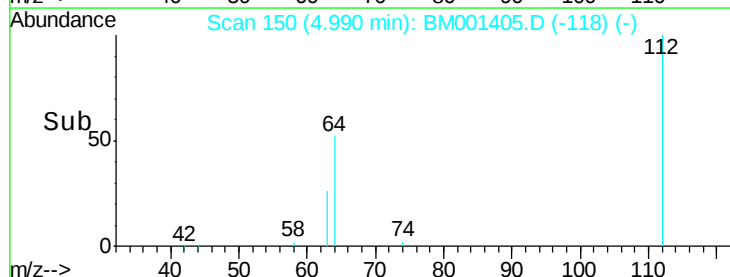
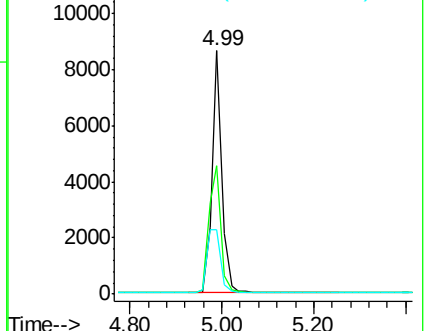
63 36.7 29.7 44.5

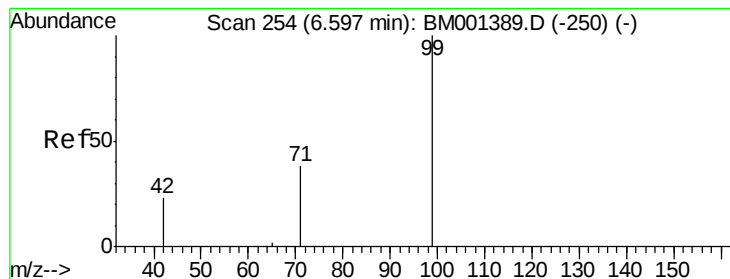


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#5

Phenol-d6

Concen: 4.48 ng

RT: 6.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: BM001405.D

Acq: 23 May 2015 05:48

Instrument :

BNA\_M

ClientSampleId :

RAV-GT-105

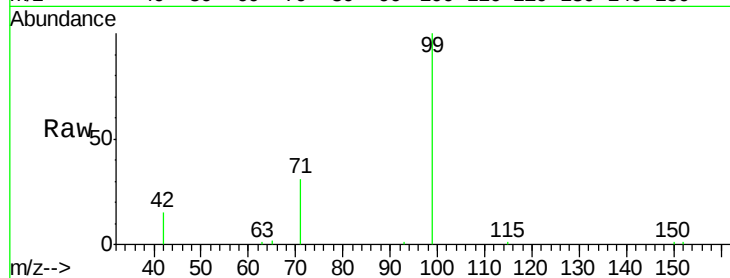
Tgt Ion: 99 Resp: 11227

Ion Ratio Lower Upper

99 100

42 25.8 21.8 32.6

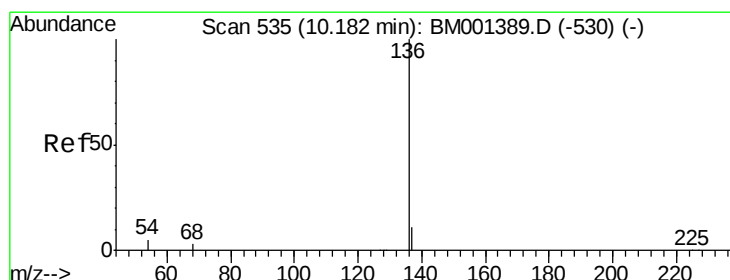
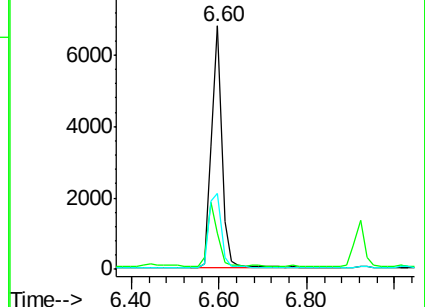
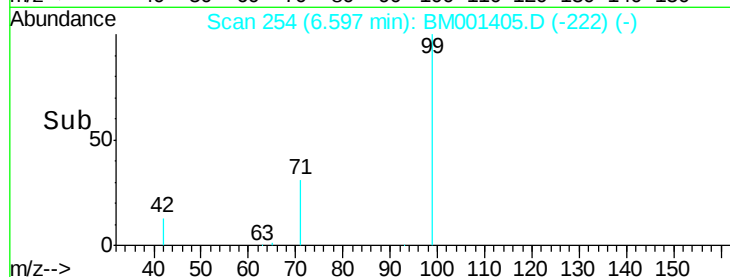
71 36.6 29.2 43.8



Abundance Ion 99.00 (98.70 to 99.70): BM001405.D (-222) (-)

Ion 42.00 (41.70 to 42.70): BM001405.D (-222) (-)

Ion 71.00 (70.70 to 71.70): BM001405.D (-222) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.16 min Scan# 534

Delta R.T. -0.02 min

Lab File: BM001405.D

Acq: 23 May 2015 05:48

Tgt Ion: 136 Resp: 39524

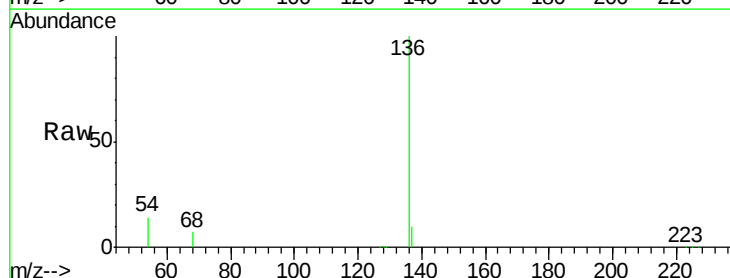
Ion Ratio Lower Upper

136 100

137 10.3 9.1 13.7

54 13.7 4.3 6.5#

68 7.2 2.6 4.0#

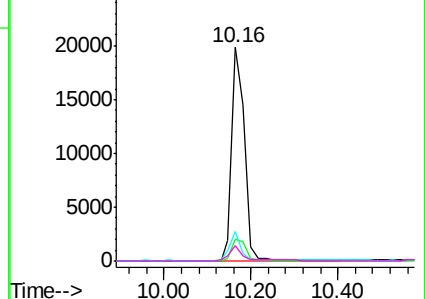
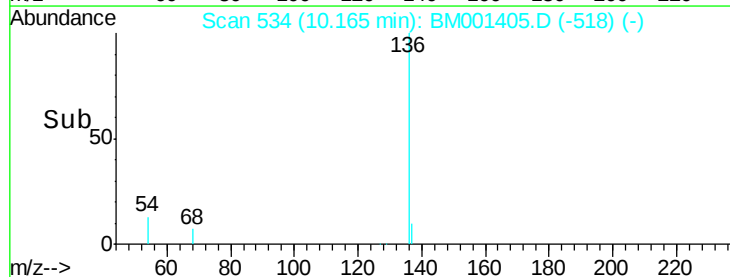


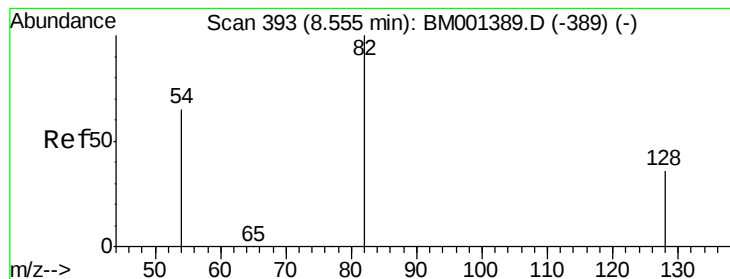
Abundance Ion 136.00 (135.70 to 136.70): BM001405.D (-518) (-)

Ion 137.00 (136.70 to 137.70): BM001405.D (-518) (-)

Ion 54.00 (53.70 to 54.70): BM001405.D (-518) (-)

Ion 68.00 (67.70 to 68.70): BM001405.D (-518) (-)





#7

Nitrobenzene-d5

Concen: 7.18 ng

RT: 8.55 min Scan# 393

Delta R.T. 0.00 min

Lab File: BM001405.D

Acq: 23 May 2015 05:48

Instrument :

BNA\_M

ClientSampleId :

RAV-GT-105

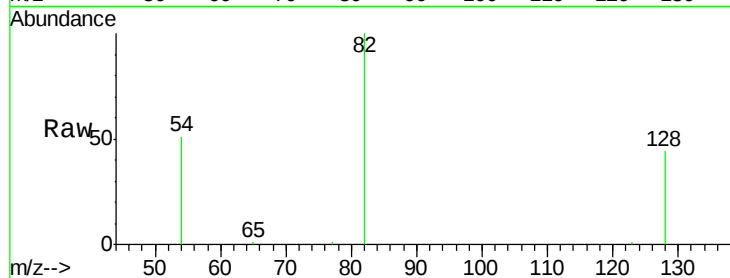
Tgt Ion: 82 Resp: 16385

Ion Ratio Lower Upper

82 100

128 44.4 30.2 45.4

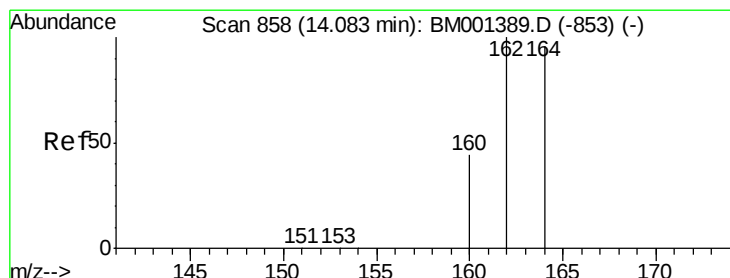
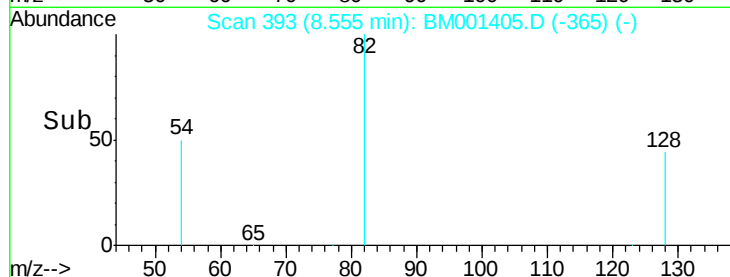
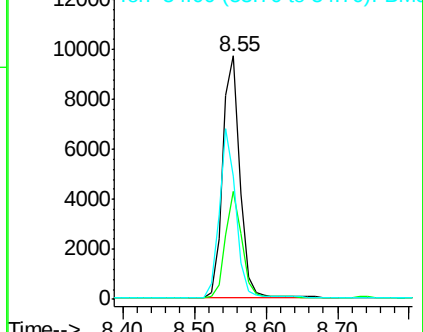
54 50.8 52.9 79.3#



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) (-)



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.08 min Scan# 858

Delta R.T. 0.00 min

Lab File: BM001405.D

Acq: 23 May 2015 05:48

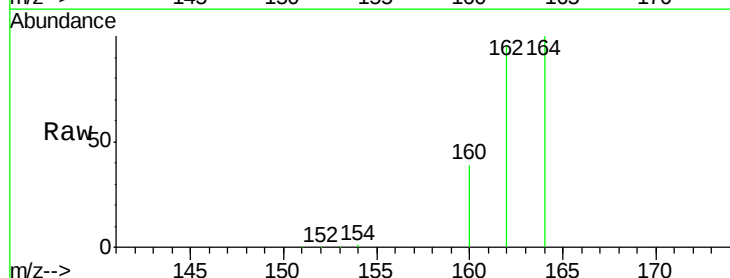
Tgt Ion: 164 Resp: 23671

Ion Ratio Lower Upper

164 100

162 96.4 83.4 125.2

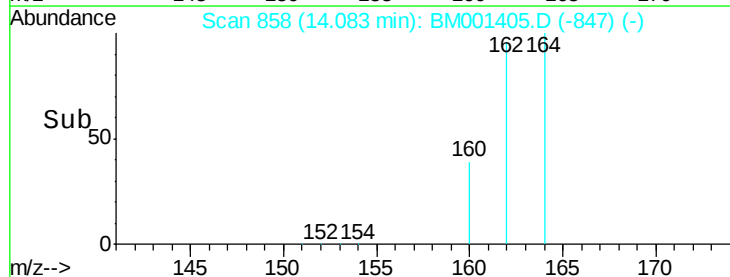
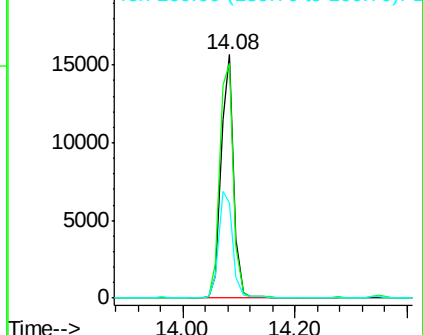
160 39.2 36.9 55.3

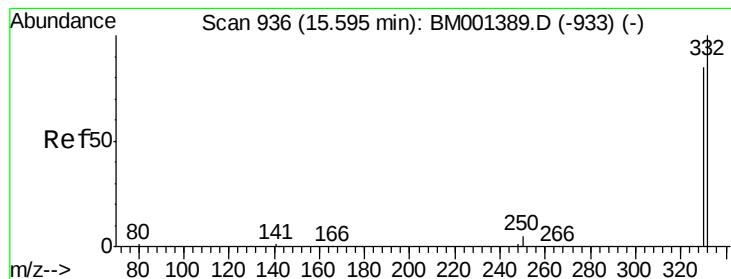


Abundance Ion 164.00 (163.70 to 164.70): BM001389.D (-853) (-)

Ion 162.00 (161.70 to 162.70): BM001389.D (-853) (-)

Ion 160.00 (159.70 to 160.70): BM001389.D (-853) (-)

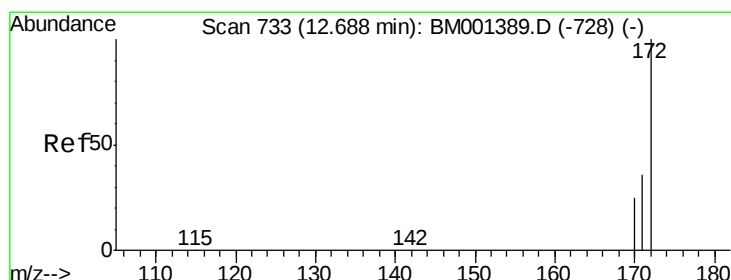
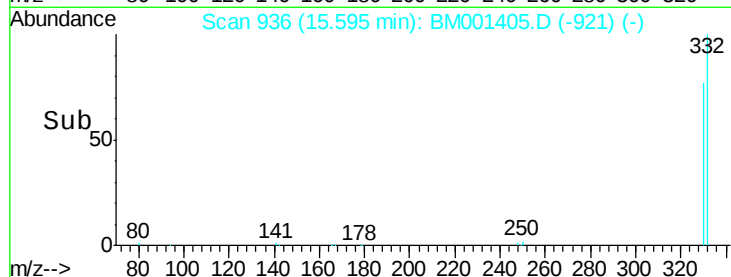
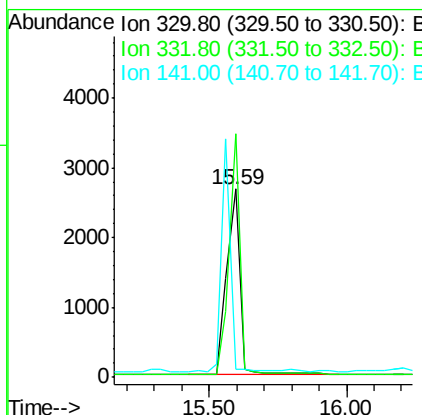
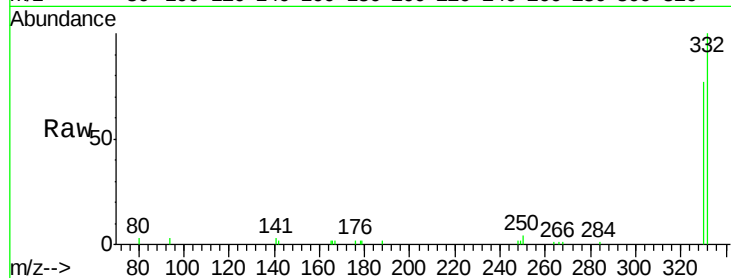




#13  
 2,4,6-Tribromophenol  
 Concen: 11.68 ng  
 RT: 15.59 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: BM001405.D  
 Acq: 23 May 2015 05:48

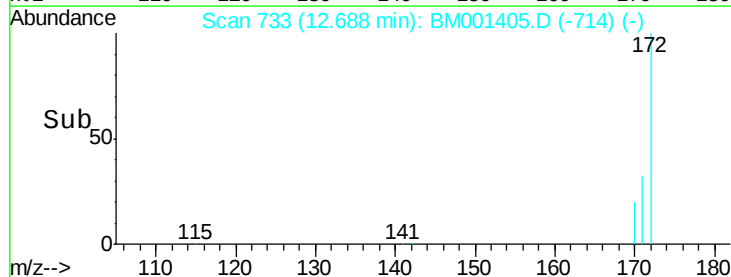
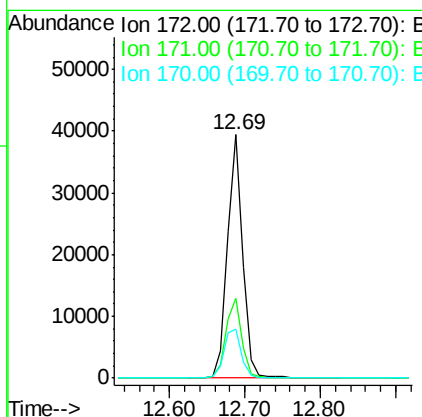
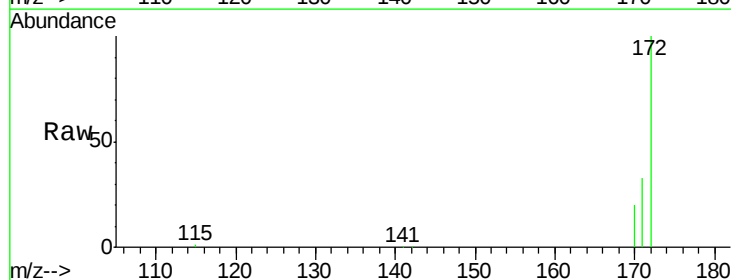
Instrument :  
 BNA\_M  
 ClientSampleId :  
 RAV-GT-105

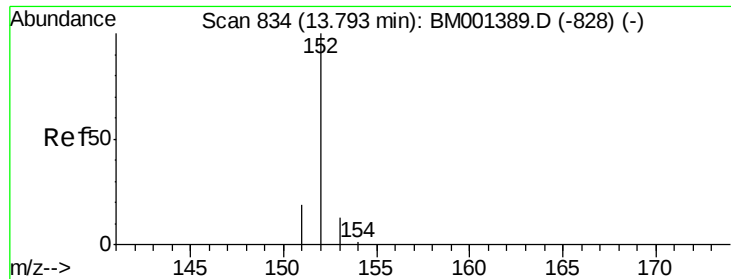
Tgt Ion:330 Resp: 8588  
 Ion Ratio Lower Upper  
 330 100  
 332 107.0 90.3 135.5  
 141 0.0 0.0 0.0



#14  
 2-Fluorobiphenyl  
 Concen: 7.70 ng  
 RT: 12.69 min Scan# 733  
 Delta R.T. 0.00 min  
 Lab File: BM001405.D  
 Acq: 23 May 2015 05:48

Tgt Ion:172 Resp: 56107  
 Ion Ratio Lower Upper  
 172 100  
 171 32.6 29.4 44.0  
 170 20.2 20.2 30.4#





#15

Acenaphthylene

Concen: 0.06 ng

RT: 13.79 min Scan# 834

Delta R.T. 0.00 min

Lab File: BM001405.D

Acq: 23 May 2015 05:48

Instrument :

BNA\_M

ClientSampleId :

RAV-GT-105

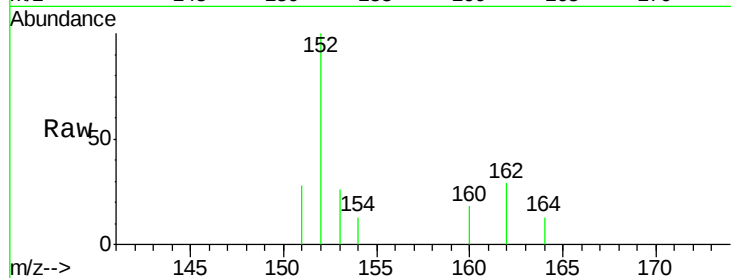
Tgt Ion:152 Resp: 633

Ion Ratio Lower Upper

152 100

151 23.9 15.1 22.7#

153 13.6 10.2 15.4



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

13.79

400

300

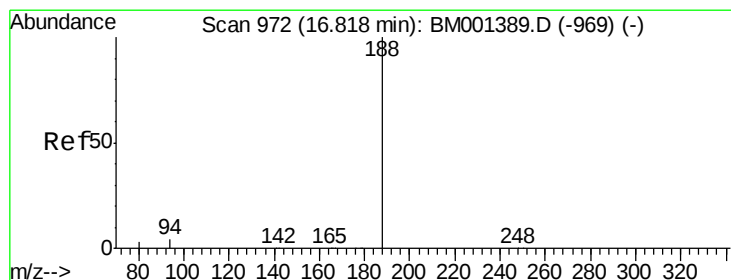
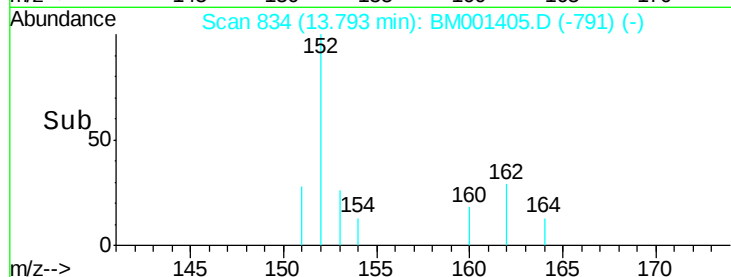
200

100

0

Time-->

13.70 13.75 13.80 13.85



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.82 min Scan# 972

Delta R.T. 0.00 min

Lab File: BM001405.D

Acq: 23 May 2015 05:48

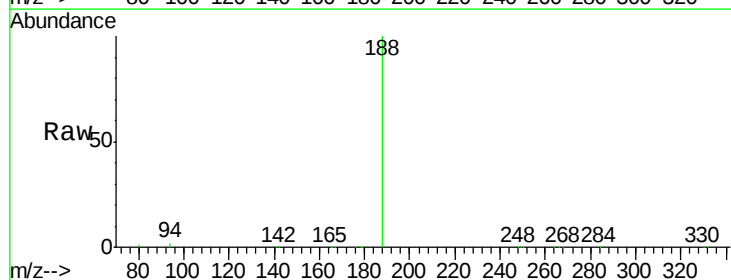
Tgt Ion:188 Resp: 86165

Ion Ratio Lower Upper

188 100

94 1.7 3.0 4.4#

80 1.4 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

16.82

50000

40000

30000

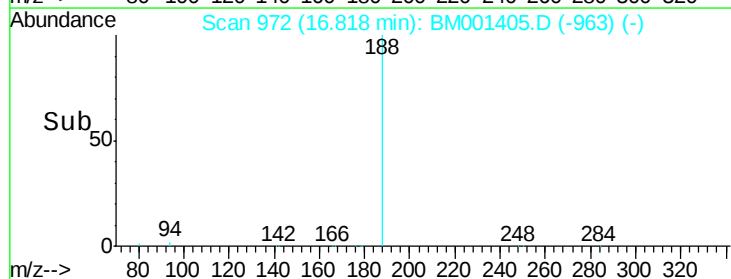
20000

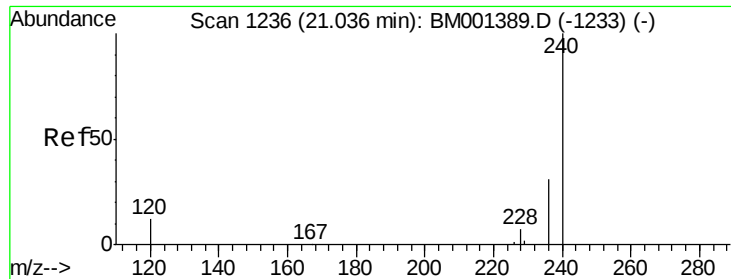
10000

0

Time-->

16.60 16.80

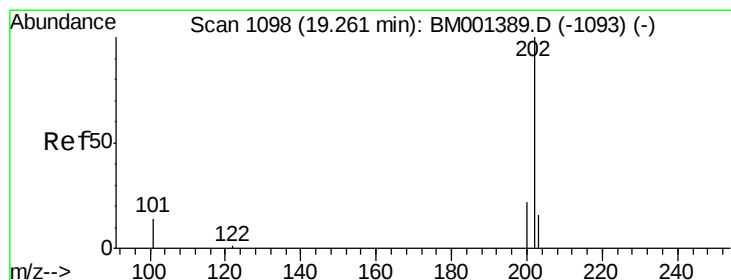
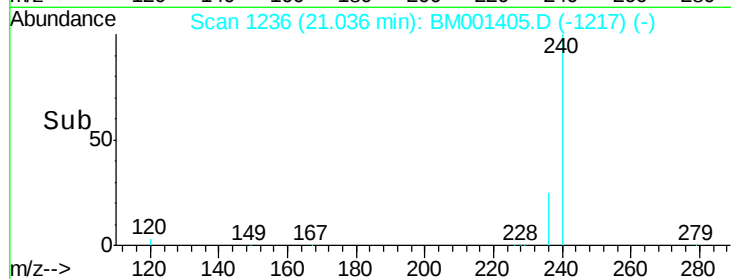
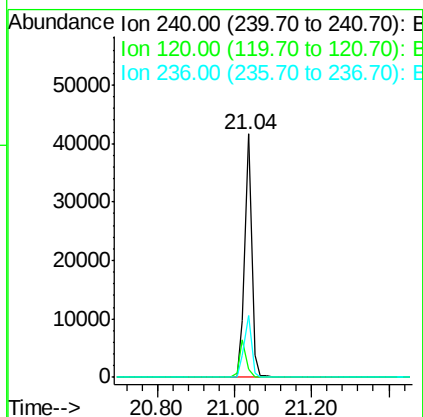
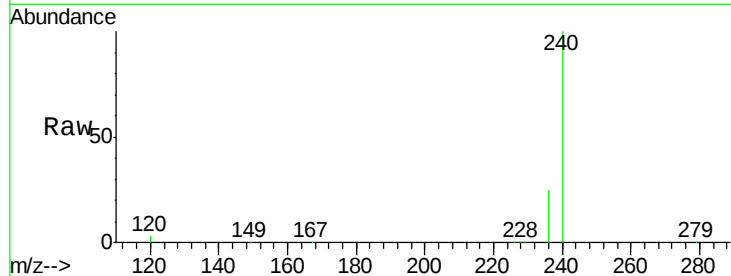




#25  
Chrysene-d12  
Concen: 5.00 ng  
RT: 21.04 min Scan# 1236  
Delta R.T. 0.00 min  
Lab File: BM001405.D  
Acq: 23 May 2015 05:48

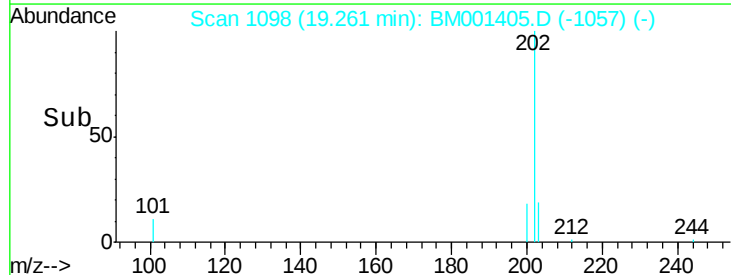
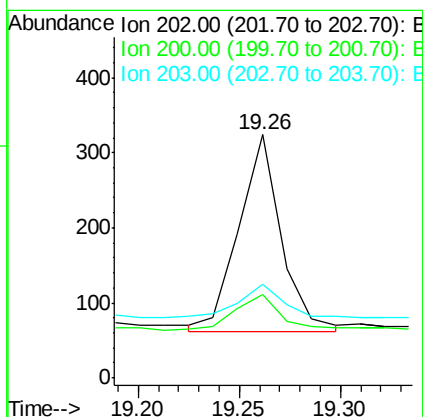
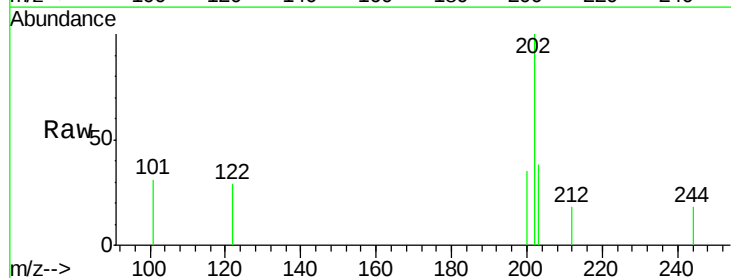
Instrument :  
BNA\_M  
ClientSampleId :  
RAV-GT-105

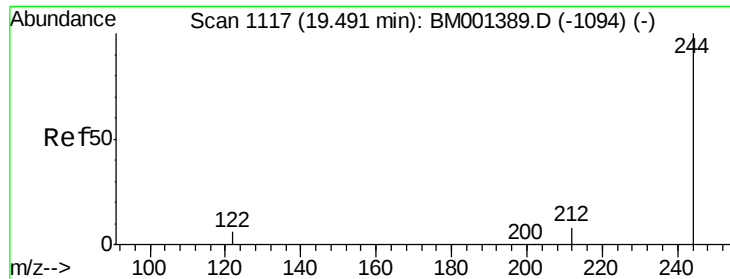
Tgt Ion: 240 Resp: 51931  
Ion Ratio Lower Upper  
240 100  
120 3.4 9.7 14.5#  
236 25.4 24.8 37.2



#26  
Pyrene  
Concen: 0.02 ng m  
RT: 19.26 min Scan# 1098  
Delta R.T. 0.00 min  
Lab File: BM001405.D  
Acq: 23 May 2015 05:48

Tgt Ion: 202 Resp: 376  
Ion Ratio Lower Upper  
202 100  
200 13.8 16.4 24.6#  
203 11.2 13.9 20.9#





#27

Terphenyl-d14

Concen: 9.16 ng

RT: 19.48 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BM001405.D

Acq: 23 May 2015 05:48

Instrument :

BNA\_M

ClientSampleId :

RAV-GT-105

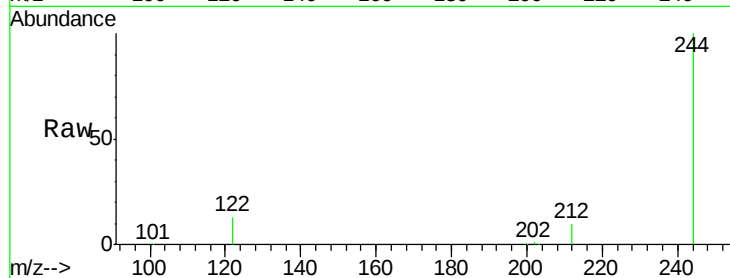
Tgt Ion:244 Resp: 64396

Ion Ratio Lower Upper

244 100

212 9.9 7.2 10.8

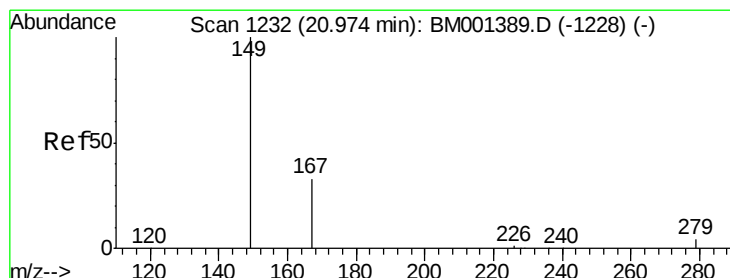
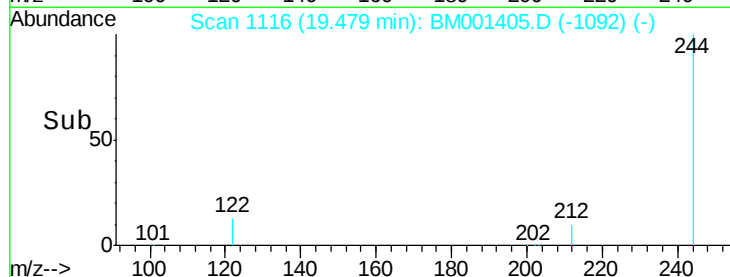
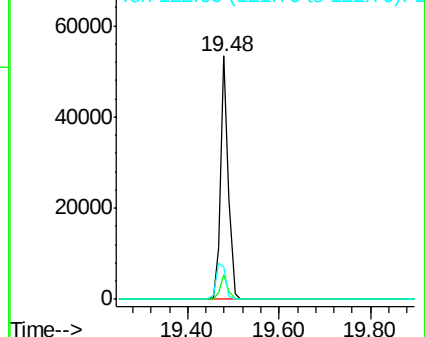
122 13.1 5.1 7.7#



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: 0.23 ng

RT: 20.96 min Scan# 1231

Delta R.T. -0.02 min

Lab File: BM001405.D

Acq: 23 May 2015 05:48

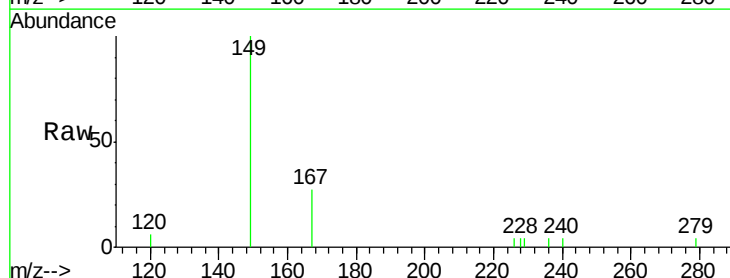
Tgt Ion:149 Resp: 1897

Ion Ratio Lower Upper

149 100

167 22.8 21.0 31.6

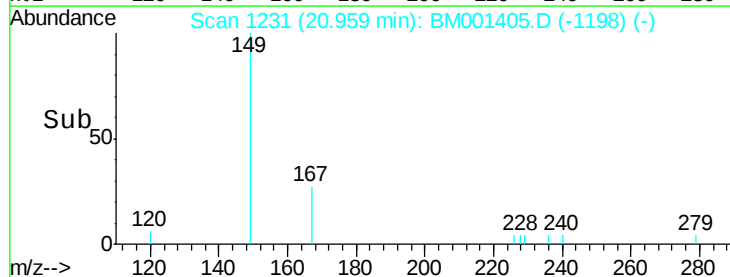
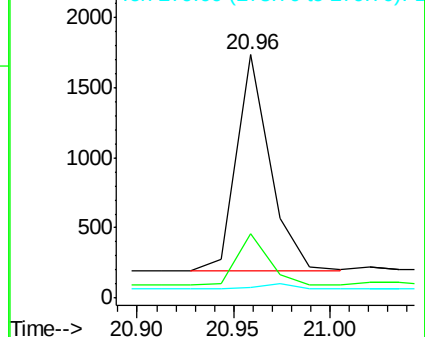
279 2.5 2.2 3.2

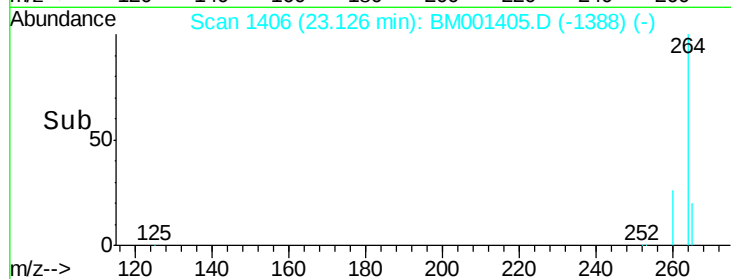
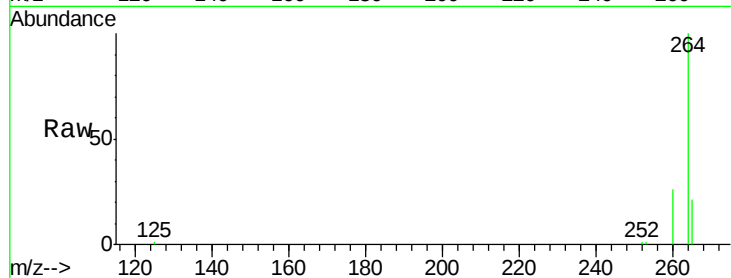
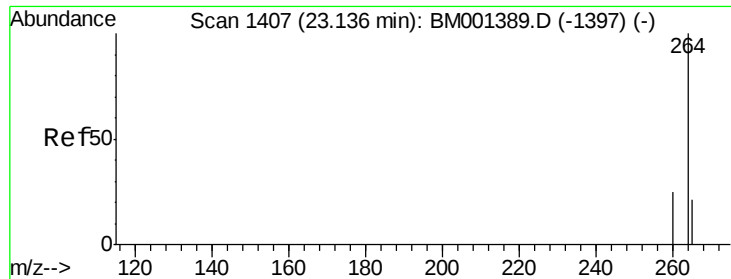


Abundance Ion 149.00 (148.70 to 149.70): E

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: BM001405.D  
Acq: 23 May 2015 05:48

Instrument :  
BNA\_M  
ClientSampleId :  
RAV-GT-105

Tgt Ion: 264 Resp: 43212  
Ion Ratio Lower Upper  
264 100  
260 26.0 20.1 30.1  
265 21.4 17.1 25.7

