

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052215\  
 Data File : BM001404.D  
 Acq On : 23 May 2015 05:13  
 Operator : TP/IZ  
 Sample : G2334-04  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 RAV-GT-111

Quant Time: May 25 08:25:51 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  | 10027    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8         | 10.16 | 136  | 36848    | 5.00 | ng    | -0.02    |
| 12) Acenaphthene-d10      | 14.08 | 164  | 22119    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 16.82 | 188  | 80121    | 5.00 | ng    | 0.00     |
| 25) Chrysene-d12          | 21.04 | 240  | 47764    | 5.00 | ng    | 0.00     |
| 32) Perylene-d12          | 23.13 | 264  | 42951    | 5.00 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 4) 2-Fluorophenol           | 4.99  | 112  | 9989     | 5.04  | ng    | 0.00     |
| 5) Phenol-d6                | 6.60  | 99   | 8416     | 3.66  | ng    | 0.00     |
| 7) Nitrobenzene-d5          | 8.55  | 82   | 16723    | 7.86  | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol    | 15.59 | 330  | 7702     | 11.21 | ng    | 0.00     |
| 14) 2-Fluorobiphenyl        | 12.69 | 172  | 54782    | 8.05  | ng    | 0.00     |
| 27) Terphenyl-d14           | 19.48 | 244  | 57741    | 8.93  | ng    | -0.01    |

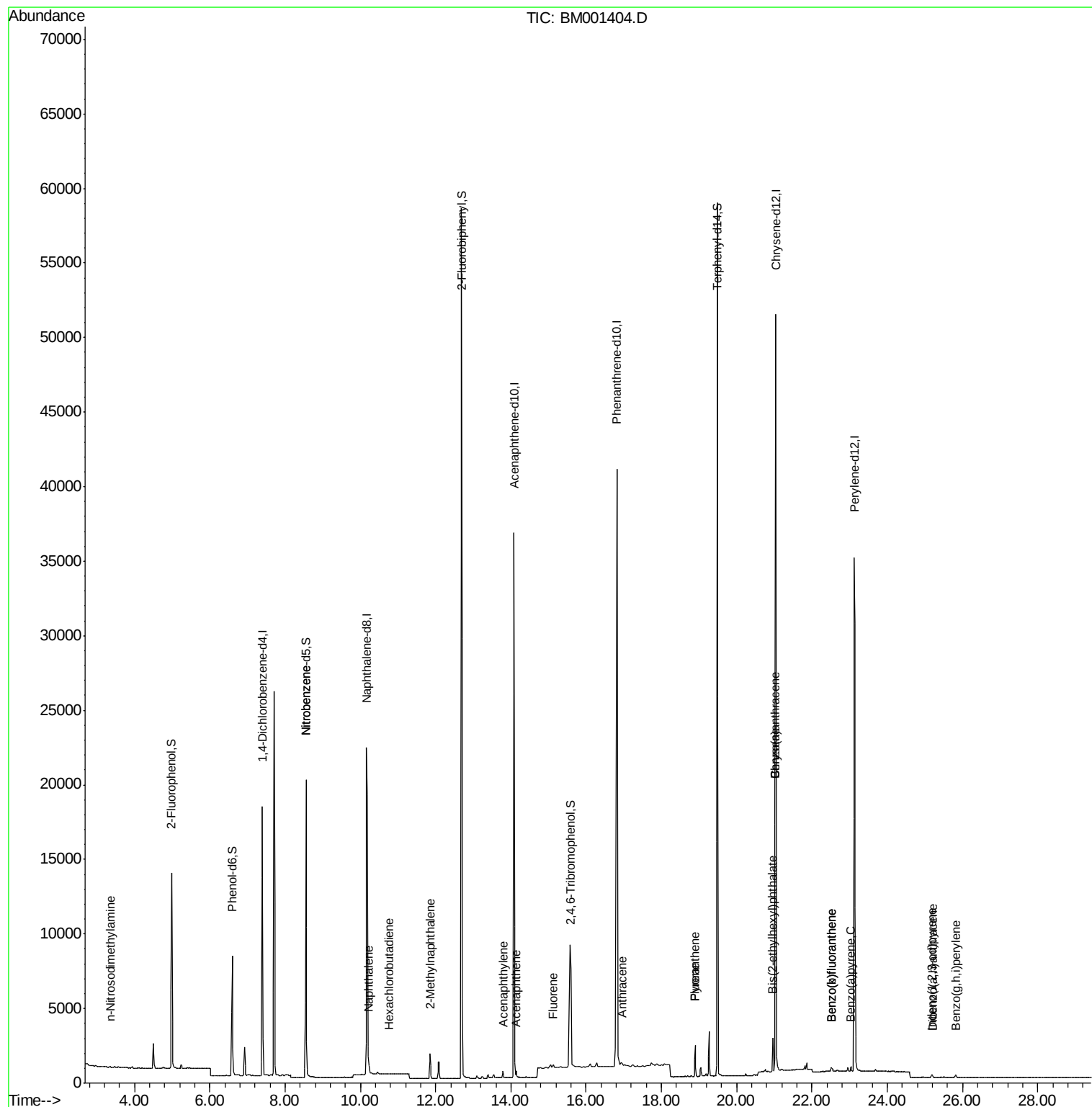
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 3) n-Nitrosodimethylamine      | 3.35  | 42   | 30       | 0.02      | ng    | # 1    |
| 8) Nitrobenzene                | 8.55  | 77   | 76       | 0.03      | ng    | # 37   |
| 9) Naphthalene                 | 10.22 | 128  | 1273     | 0.16      | ng    | # 86   |
| 10) Hexachlorobutadiene        | 10.75 | 225  | 9        | 0.01      | ng    | # 19   |
| 11) 2-Methylnaphthalene        | 11.86 | 142  | 1218     | 0.23      | ng    | # 98   |
| 15) Acenaphthylene             | 13.79 | 152  | 534      | 0.06      | ng    | # 97   |
| 16) Acenaphthene               | 14.14 | 154  | 230      | 0.04      | ng    | # 99   |
| 17) Fluorene                   | 15.12 | 166  | 503      | 0.10      | ng    | # 41   |
| 20) Hexachlorobenzene          | 16.14 | 284  | 2        | Below Cal |       | # 1    |
| 21) Pentachlorophenol          | 16.48 | 266  | 4        | Below Cal |       | # 66   |
| 22) Phenanthrene               | 16.85 | 178  | 646      | Below Cal |       | # 78   |
| 23) Anthracene                 | 16.95 | 178  | 538      | 0.04      | ng    | # 78   |
| 24) Fluoranthene               | 18.90 | 202  | 1921     | 0.13      | ng    | # 96   |
| 26) Pyrene                     | 18.90 | 202  | 1921     | 0.13      | ng    | # 100  |
| 28) Benzo(a)anthracene         | 21.02 | 228  | 924      | 0.07      | ng    | # 64   |
| 29) Chrysene                   | 21.02 | 228  | 924      | 0.07      | ng    | # 73   |
| 30) Bis(2-ethylhexyl)phthalate | 20.96 | 149  | 2313     | 0.30      | ng    | # 93   |
| 31) Indeno(1,2,3-cd)pyrene     | 25.19 | 276  | 250      | 0.02      | ng    | # 97   |
| 33) Benzo(b)fluoranthene       | 22.51 | 252  | 612      | 0.05      | ng    | # 1    |
| 34) Benzo(k)fluoranthene       | 22.51 | 252  | 612      | 0.05      | ng    | # 1    |
| 35) Benzo(a)pyrene             | 23.03 | 252  | 426      | 0.04      | ng    | # 13   |
| 36) Dibenzo(a,h)anthracene     | 25.20 | 278  | 76       | 0.01      | ng    | # 1    |
| 37) Benzo(g,h,i)perylene       | 25.82 | 276  | 317      | 0.03      | ng    | # 49   |

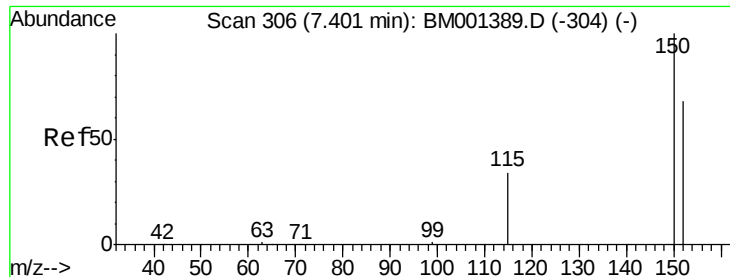
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052215\  
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ALS Vial : 20 Sample Multiplier: 1

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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  
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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: BM001404.D

Acq: 23 May 2015 05:13

Instrument :

BNA\_M

ClientSampleId :

RAV-GT-111

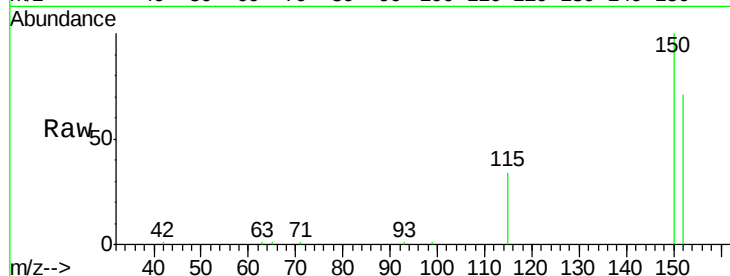
Tgt Ion:152 Resp: 10027

Ion Ratio Lower Upper

152 100

150 141.5 119.0 178.6

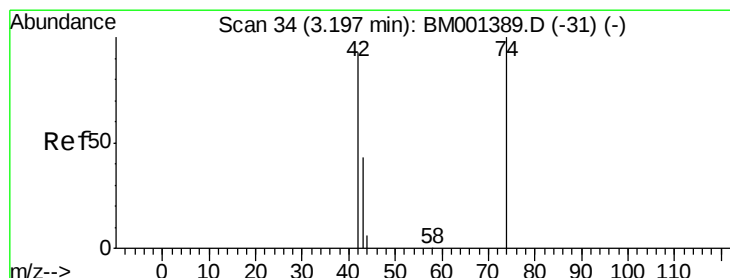
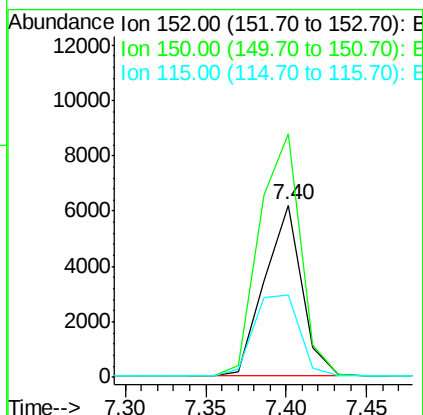
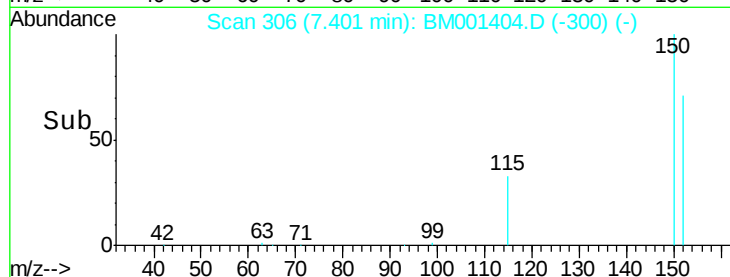
115 47.7 41.8 62.8



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



#3

n-Nitrosodimethylamine

Concen: 0.02 ng

RT: 3.35 min Scan# 44

Delta R.T. 0.15 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

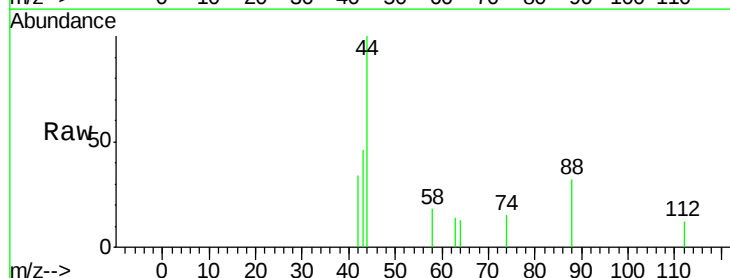
Tgt Ion: 42 Resp: 30

Ion Ratio Lower Upper

42 100

74 0.0 72.2 108.2#

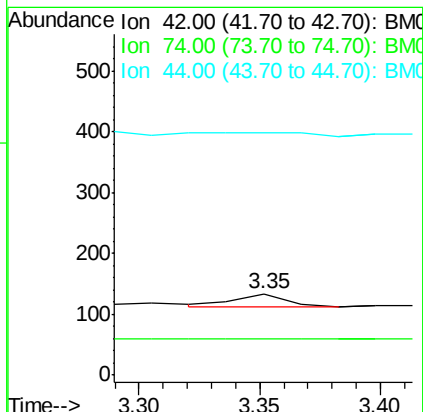
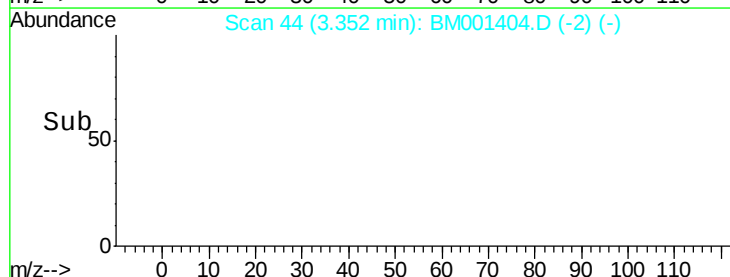
44 90.0 6.2 9.2#

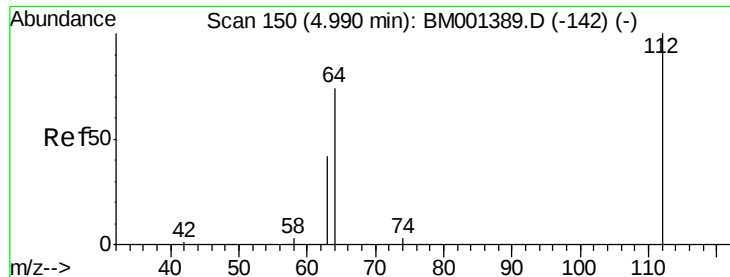


Abundance Ion 42.00 (41.70 to 42.70): BM0

Ion 74.00 (73.70 to 74.70): BM0

Ion 44.00 (43.70 to 44.70): BM0





#4

2-Fluorophenol

Concen: 5.04 ng

RT: 4.99 min Scan# 150

Delta R.T. 0.00 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

Instrument :

BNA\_M

ClientSampleId :

RAV-GT-111

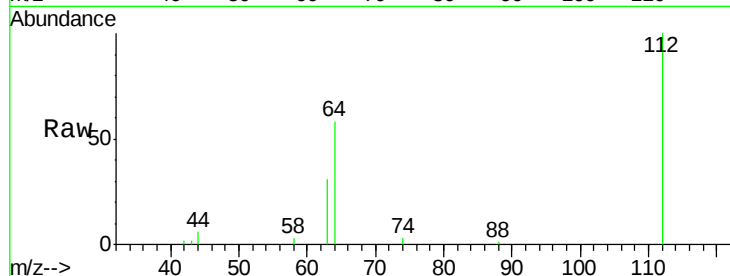
Tgt Ion: 112 Resp: 9989

Ion Ratio Lower Upper

112 100

64 64.3 51.7 77.5

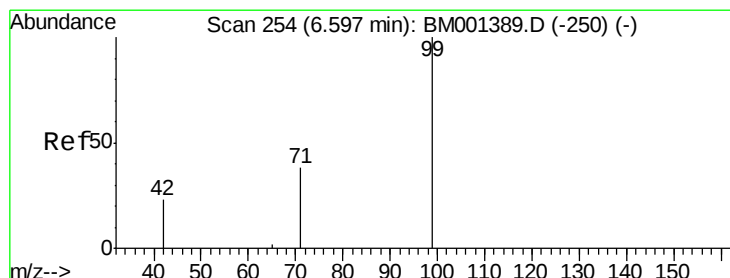
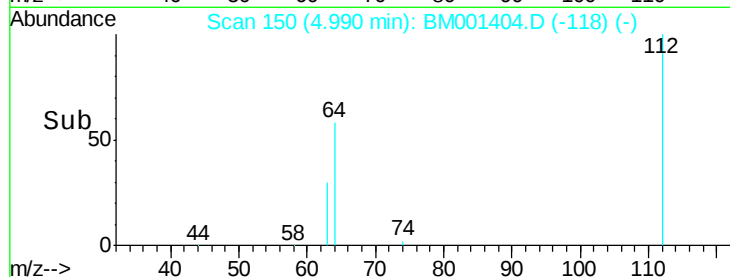
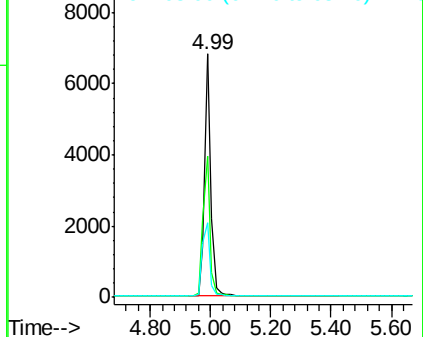
63 36.6 29.7 44.5



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: 3.66 ng

RT: 6.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

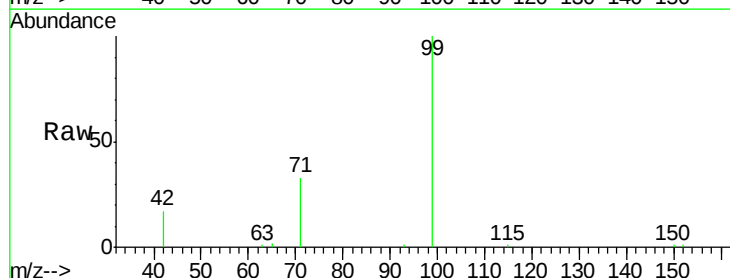
Tgt Ion: 99 Resp: 8416

Ion Ratio Lower Upper

99 100

42 26.6 21.8 32.6

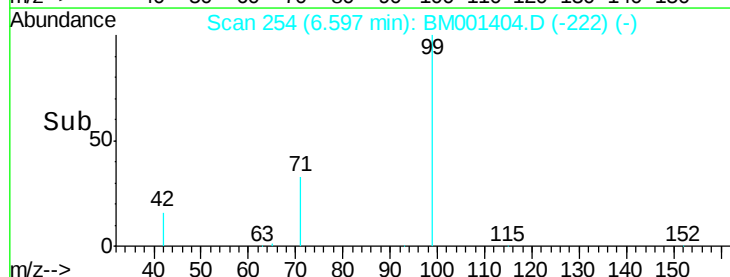
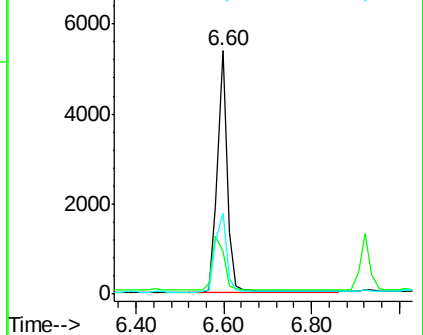
71 37.0 29.2 43.8

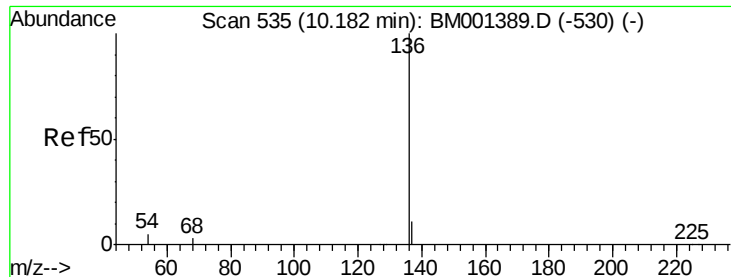


Abundance Ion 99.00 (98.70 to 99.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 71.00 (70.70 to 71.70): BM0





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.16 min Scan# 534

Delta R.T. -0.02 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

Instrument :

BNA\_M

ClientSampleId :

RAV-GT-111

Tgt Ion:136 Resp: 36848

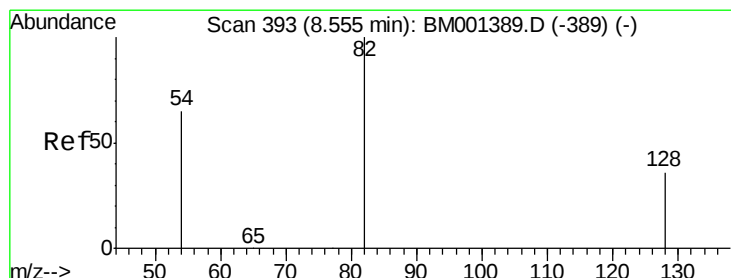
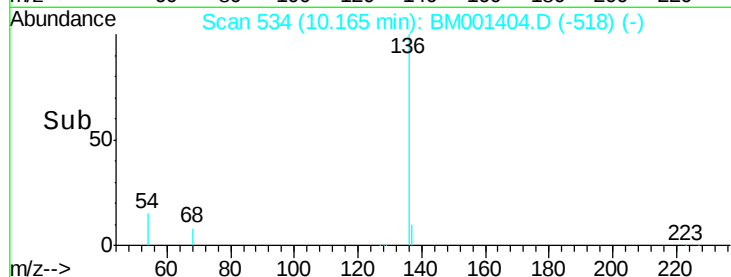
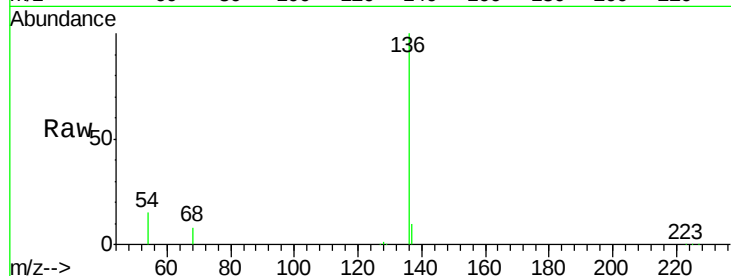
Ion Ratio Lower Upper

136 100

137 10.0 9.1 13.7

54 15.4 4.3 6.5#

68 8.0 2.6 4.0#



#7

Nitrobenzene-d5

Concen: 7.86 ng

RT: 8.55 min Scan# 393

Delta R.T. 0.00 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

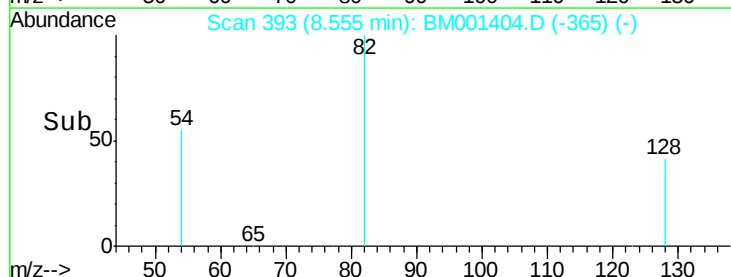
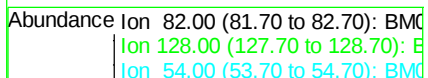
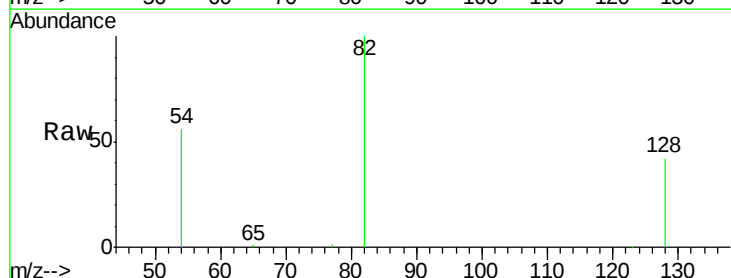
Tgt Ion: 82 Resp: 16723

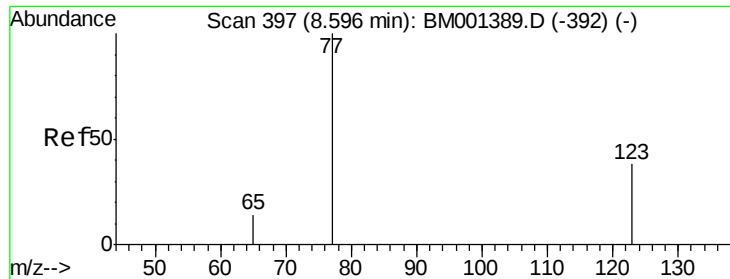
Ion Ratio Lower Upper

82 100

128 42.1 30.2 45.4

54 55.6 52.9 79.3





#8

Nitrobenzene

Concen: 0.03 ng

RT: 8.55 min Scan# 393

Delta R.T. -0.04 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

Instrument :

BNA\_M

ClientSampleId :

RAV-GT-111

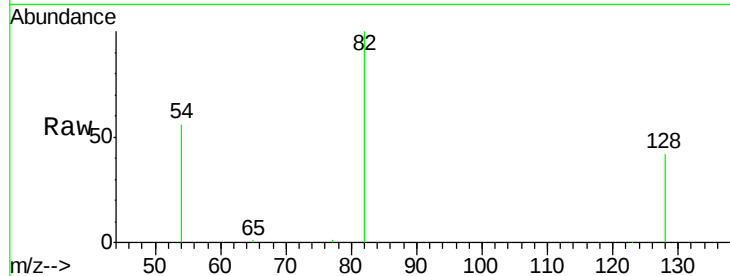
Tgt Ion: 77 Resp: 76

Ion Ratio Lower Upper

77 100

123 0.0 33.7 50.5#

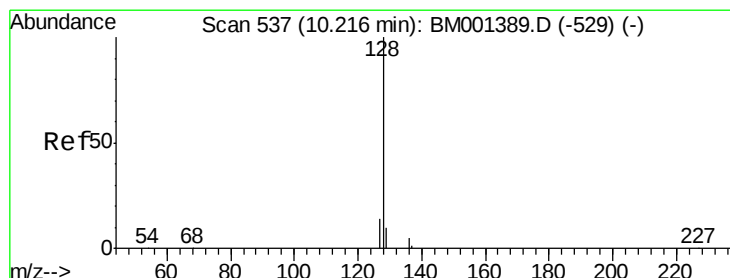
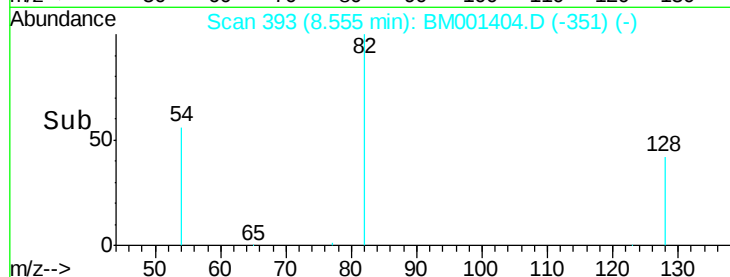
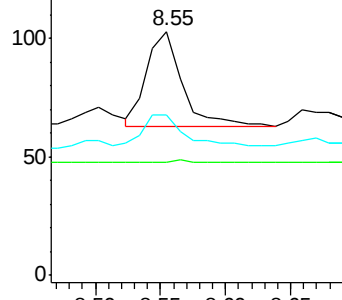
65 35.5 11.3 16.9#



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: 0.16 ng

RT: 10.22 min Scan# 537

Delta R.T. 0.00 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

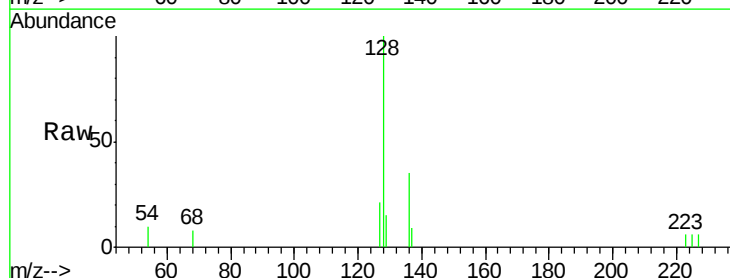
Tgt Ion: 128 Resp: 1273

Ion Ratio Lower Upper

128 100

129 14.7 8.6 13.0#

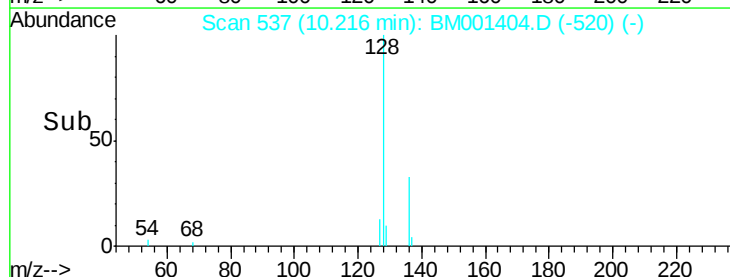
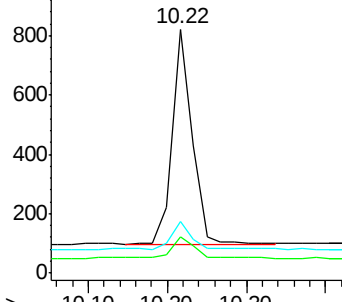
127 21.3 11.7 17.5#

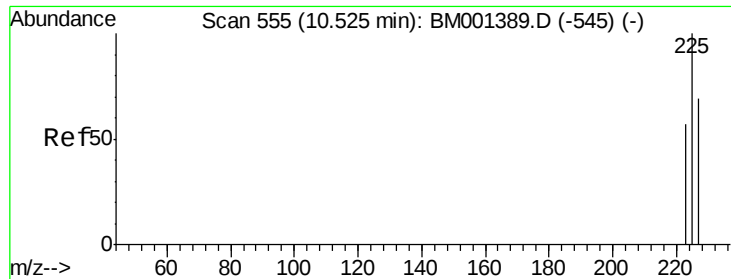


Abundance Ion 128.00 (127.70 to 128.70): BM001389.D (-529) (-)

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

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

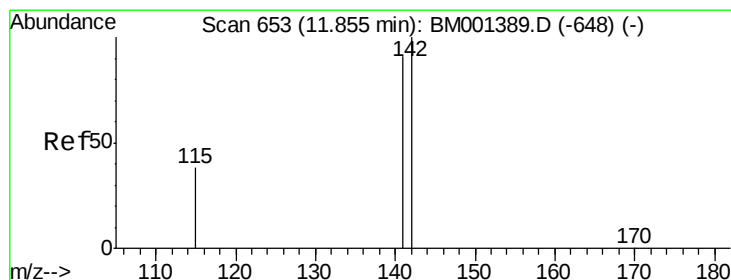
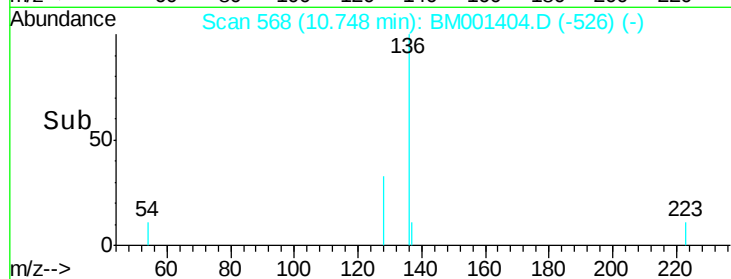
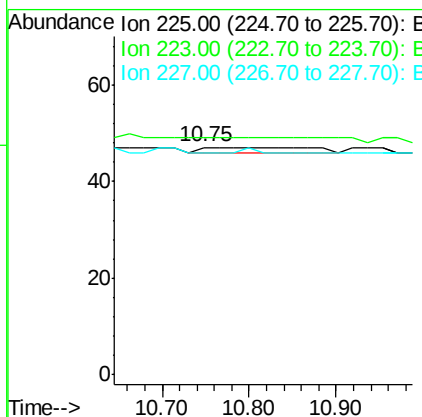
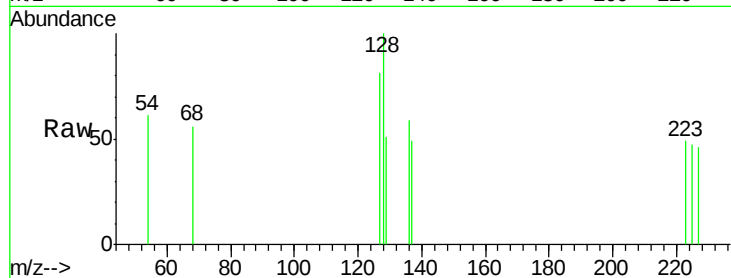




#10  
Hexachlorobutadiene  
Concen: 0.01 ng  
RT: 10.75 min Scan# 568  
Delta R.T. 0.22 min  
Lab File: BM001404.D  
Acq: 23 May 2015 05:13

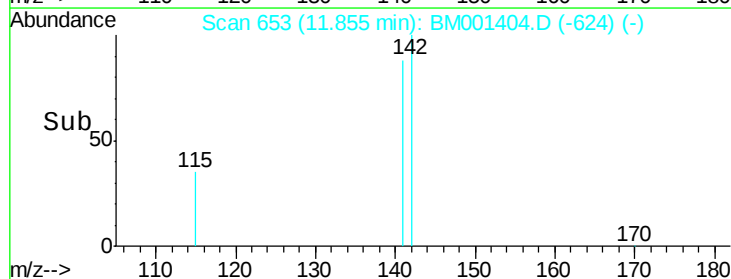
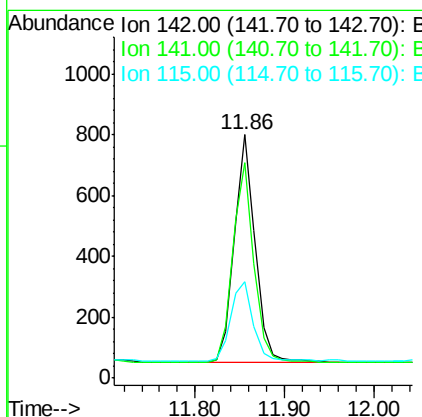
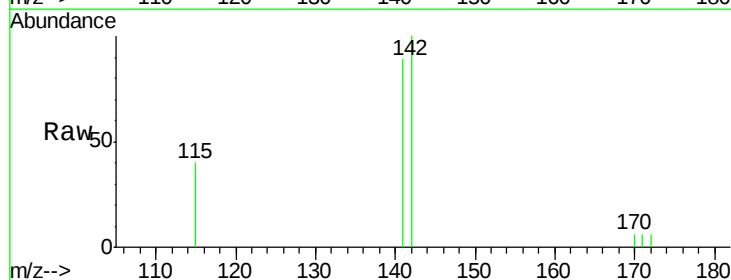
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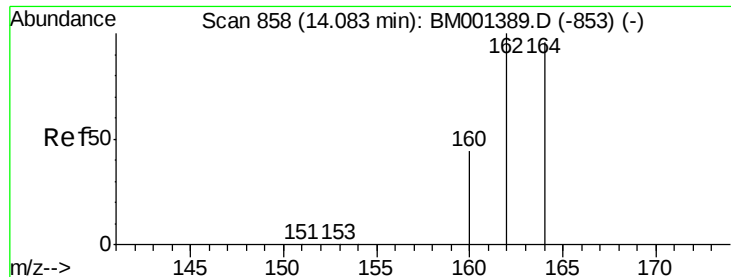
Tgt Ion: 225 Resp: 9  
Ion Ratio Lower Upper  
225 100  
223 0.0 50.2 75.2#  
227 0.0 51.1 76.7#



#11  
2-Methylnaphthalene  
Concen: 0.23 ng  
RT: 11.86 min Scan# 653  
Delta R.T. 0.00 min  
Lab File: BM001404.D  
Acq: 23 May 2015 05:13

Tgt Ion: 142 Resp: 1218  
Ion Ratio Lower Upper  
142 100  
141 88.6 72.6 109.0  
115 39.8 31.2 46.8

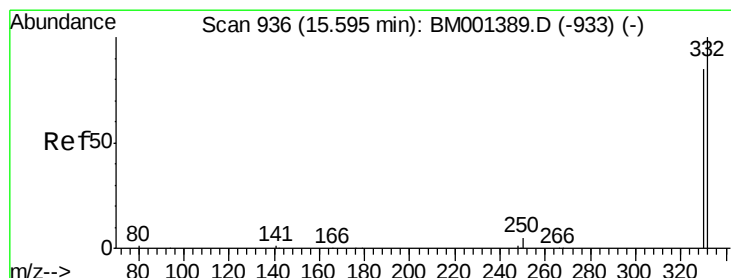
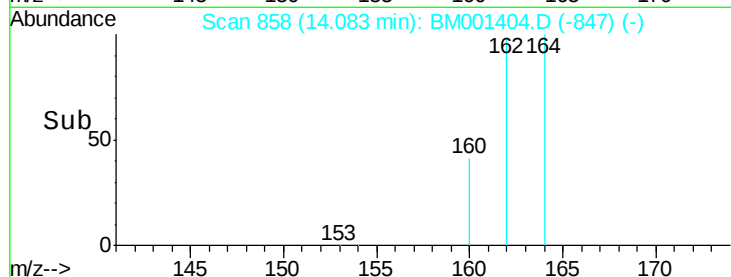
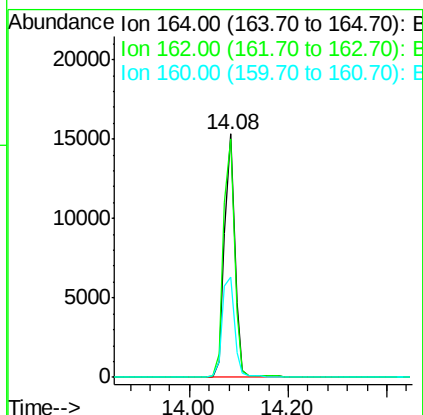
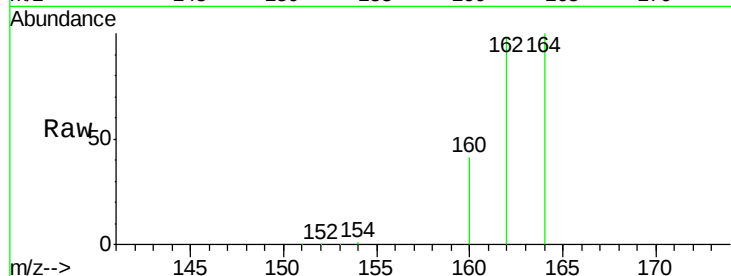




#12  
Acenaphthene-d10  
Concen: 5.00 ng  
RT: 14.08 min Scan# 858  
Delta R.T. 0.00 min  
Lab File: BM001404.D  
Acq: 23 May 2015 05:13

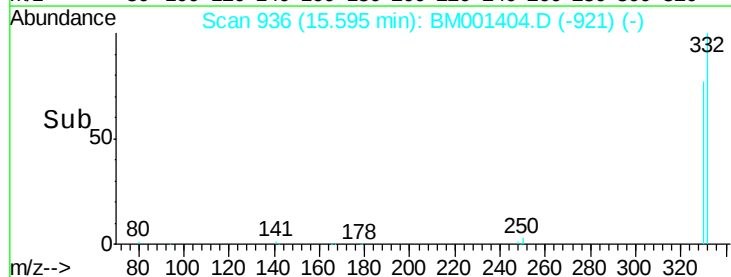
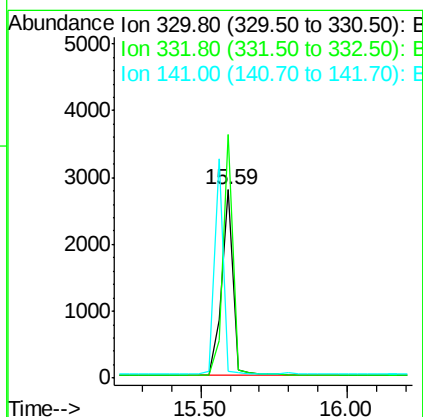
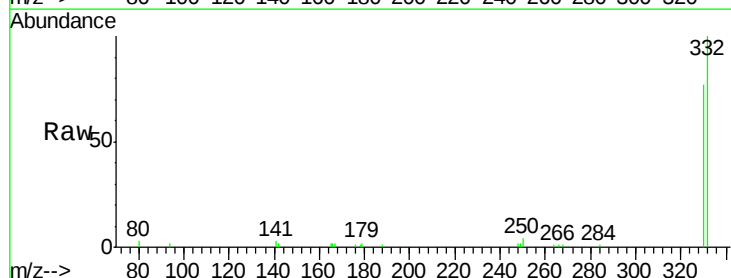
Instrument :  
BNA\_M  
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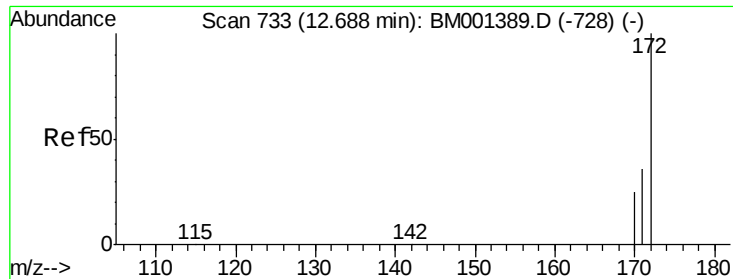
Tgt Ion:164 Resp: 22119  
Ion Ratio Lower Upper  
164 100  
162 98.0 83.4 125.2  
160 41.1 36.9 55.3



#13  
2,4,6-Tribromophenol  
Concen: 11.21 ng  
RT: 15.59 min Scan# 936  
Delta R.T. 0.00 min  
Lab File: BM001404.D  
Acq: 23 May 2015 05:13

Tgt Ion:330 Resp: 7702  
Ion Ratio Lower Upper  
330 100  
332 113.4 90.3 135.5  
141 0.0 0.0 0.0

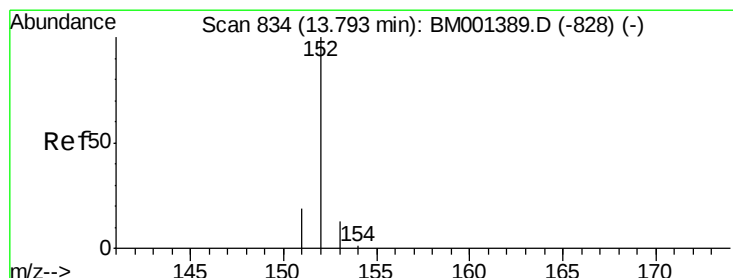
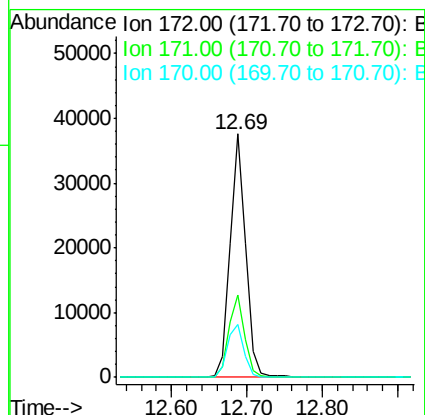
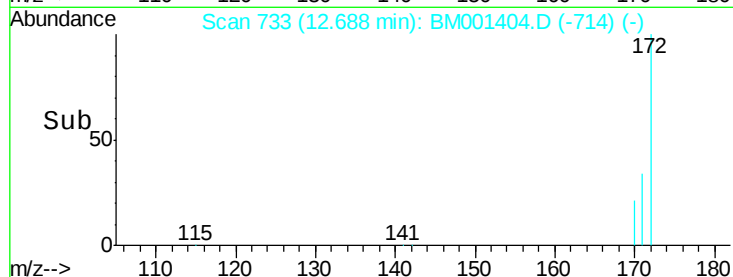
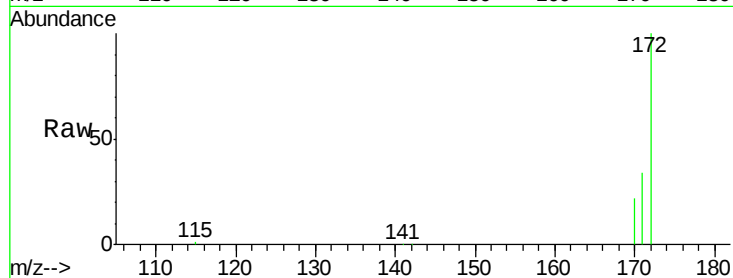




#14  
2-Fluorobiphenyl  
Concen: 8.05 ng  
RT: 12.69 min Scan# 733  
Delta R.T. 0.00 min  
Lab File: BM001404.D  
Acq: 23 May 2015 05:13

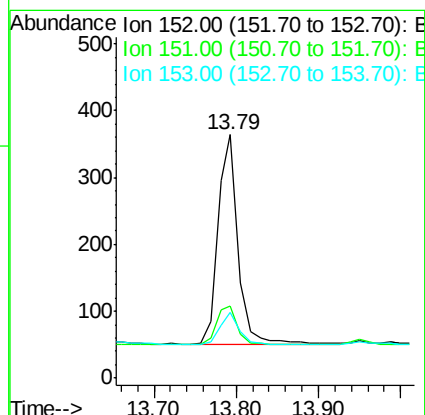
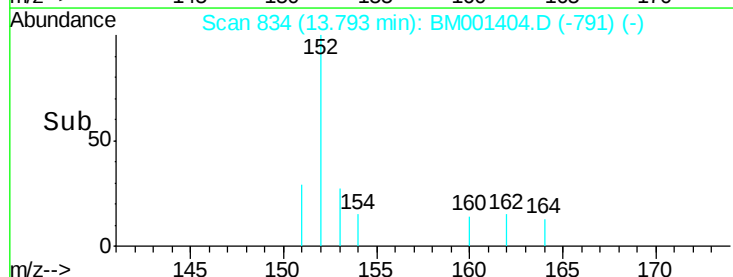
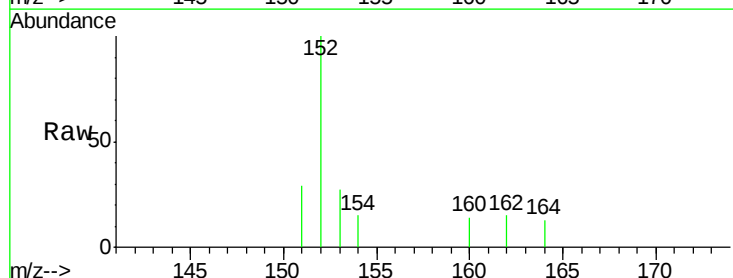
Instrument :  
BNA\_M  
ClientSampleId :  
RAV-GT-111

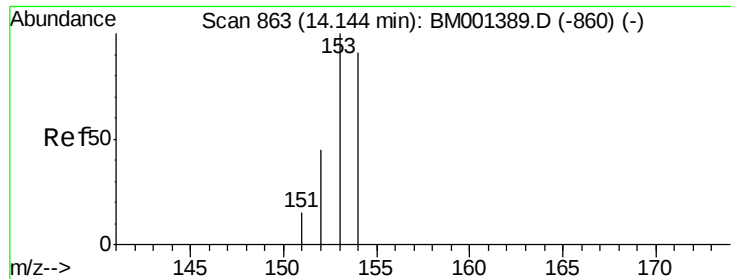
Tgt Ion:172 Resp: 54782  
Ion Ratio Lower Upper  
172 100  
171 33.6 29.4 44.0  
170 21.5 20.2 30.4



#15  
Acenaphthylene  
Concen: 0.06 ng  
RT: 13.79 min Scan# 834  
Delta R.T. 0.00 min  
Lab File: BM001404.D  
Acq: 23 May 2015 05:13

Tgt Ion:152 Resp: 534  
Ion Ratio Lower Upper  
152 100  
151 19.5 15.1 22.7  
153 15.2 10.2 15.4





#16

Acenaphthene

Concen: 0.04 ng

RT: 14.14 min Scan# 863

Delta R.T. 0.00 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

Instrument :

BNA\_M

ClientSampleId :

RAV-GT-111

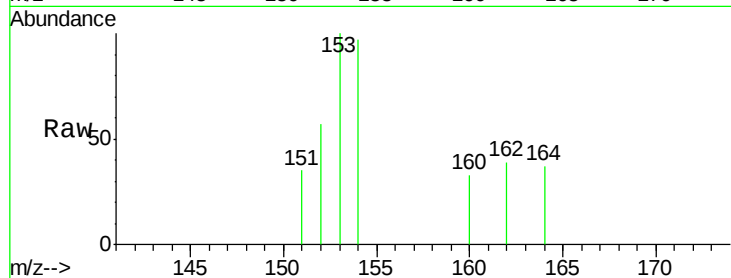
Tgt Ion:154 Resp: 230

Ion Ratio Lower Upper

154 100

153 114.3 91.4 137.2

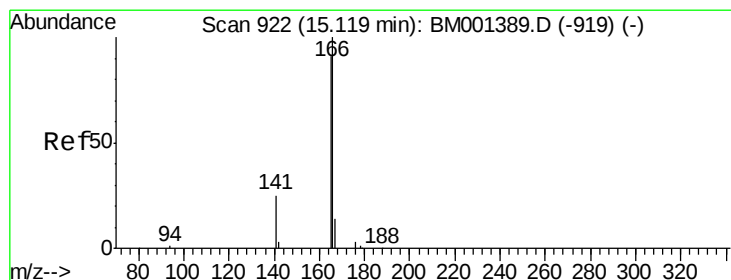
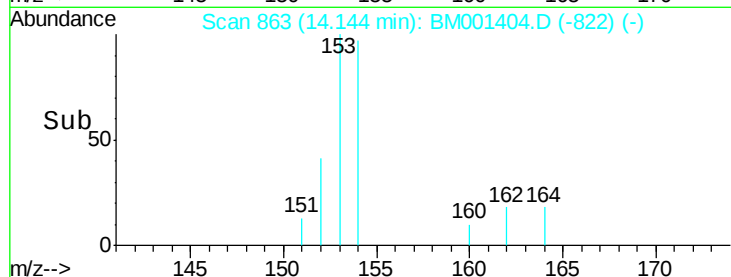
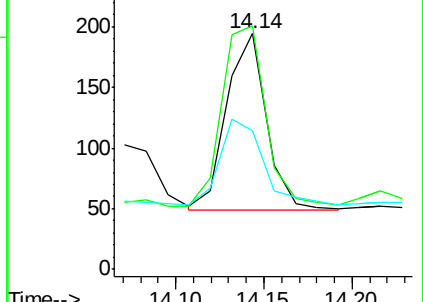
152 52.6 44.0 66.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#17

Fluorene

Concen: 0.10 ng

RT: 15.12 min Scan# 922

Delta R.T. 0.00 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

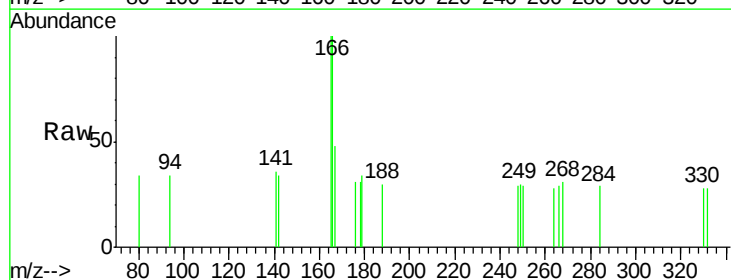
Tgt Ion:166 Resp: 503

Ion Ratio Lower Upper

166 100

165 149.9 72.6 108.8#

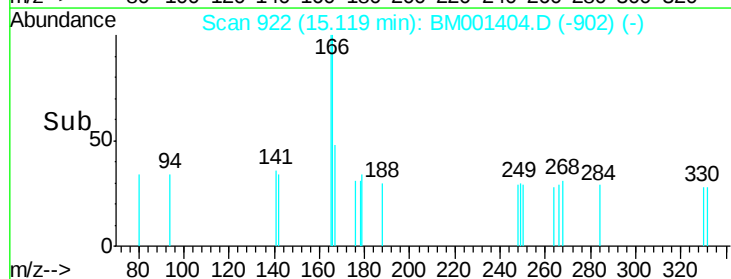
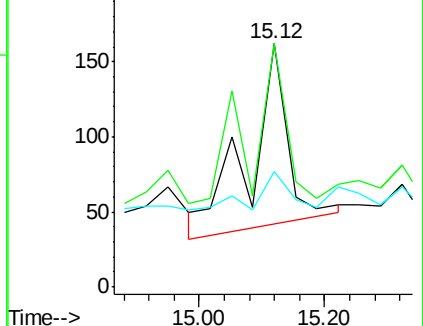
167 0.0 10.9 16.3#

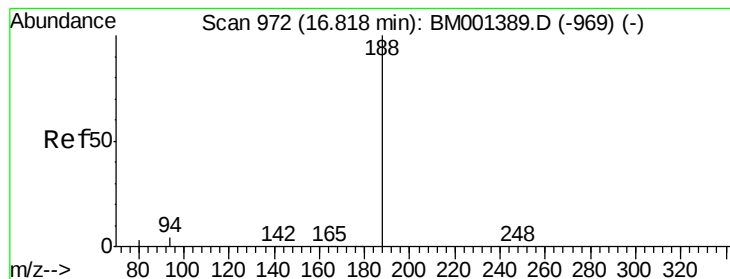


Abundance Ion 166.00 (165.70 to 166.70): E

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: BM001404.D

Acq: 23 May 2015 05:13

Instrument :

BNA\_M

ClientSampleId :

RAV-GT-111

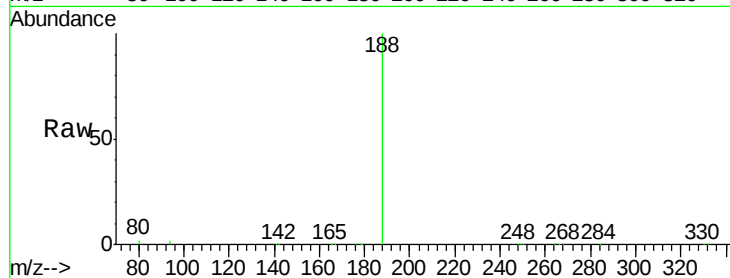
Tgt Ion:188 Resp: 80121

Ion Ratio Lower Upper

188 100

94 2.1 3.0 4.4#

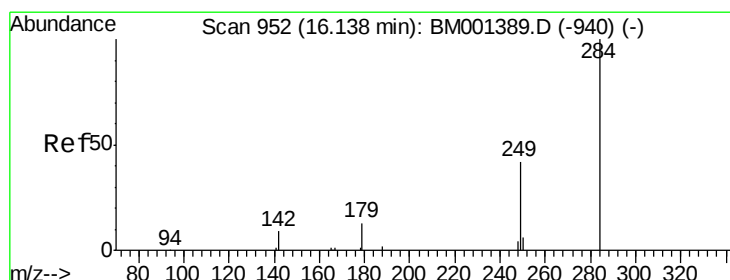
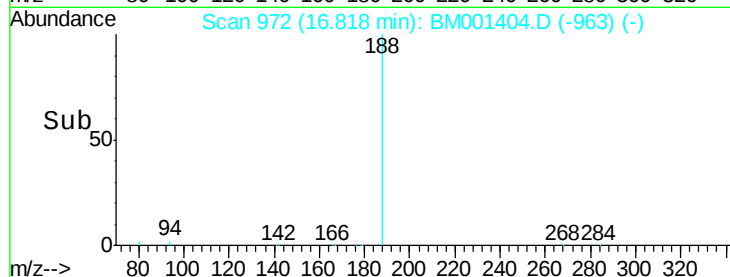
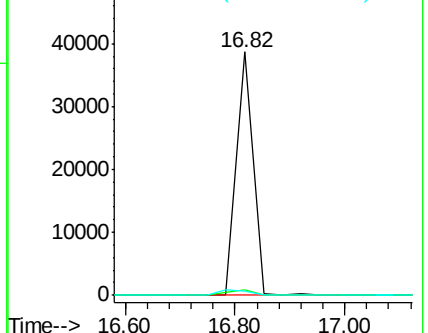
80 1.7 2.5 3.7#



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



#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.14 min Scan# 952

Delta R.T. 0.00 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

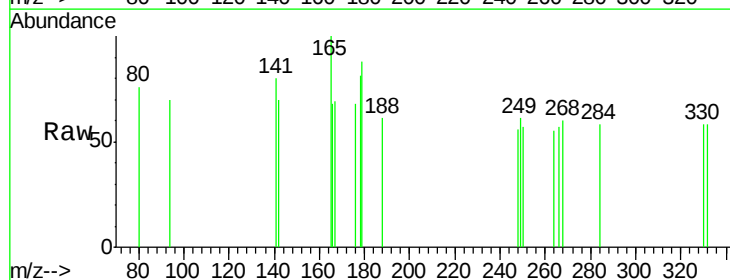
Tgt Ion:284 Resp: 2

Ion Ratio Lower Upper

284 100

142 0.0 13.9 20.9#

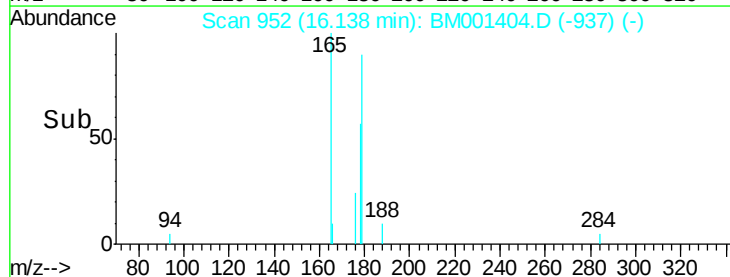
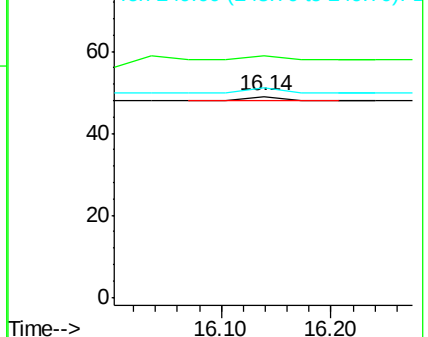
249 800.0 39.0 58.4#

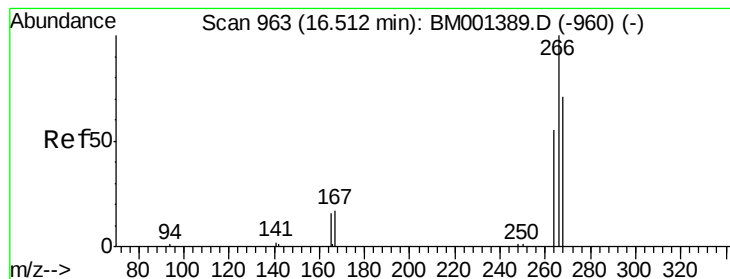


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#21

Pentachlorophenol

Concen: Below Cal

RT: 16.48 min Scan# 962

Delta R.T. -0.03 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

Instrument :

BNA\_M

ClientSampleId :

RAV-GT-111

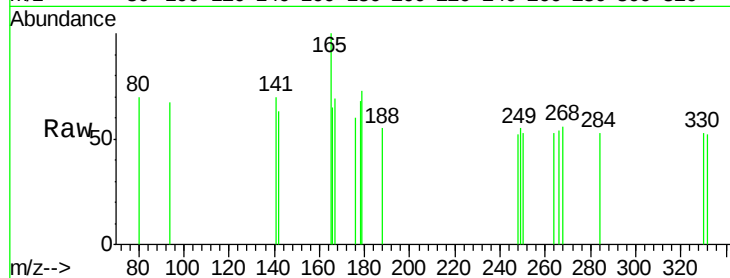
Tgt Ion:266 Resp: 4

Ion Ratio Lower Upper

266 100

268 104.1 63.0 94.4#

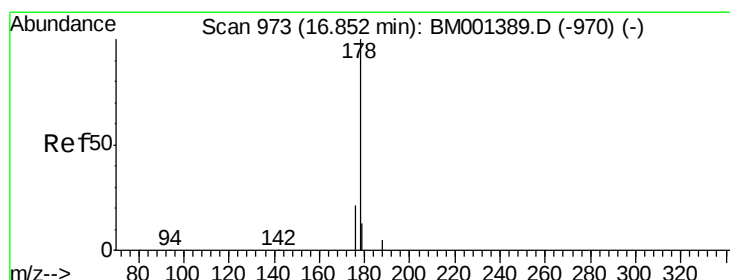
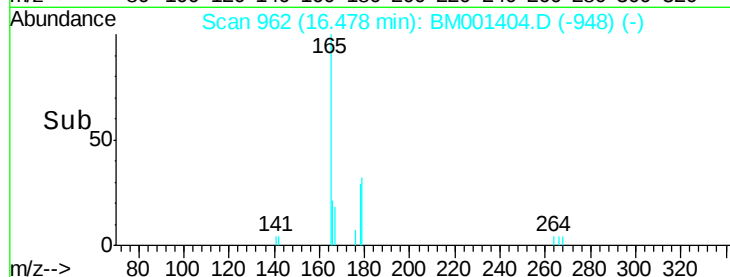
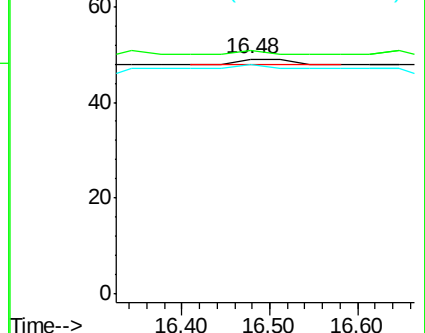
264 98.0 52.8 79.2#



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: Below Cal

RT: 16.85 min Scan# 973

Delta R.T. 0.00 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

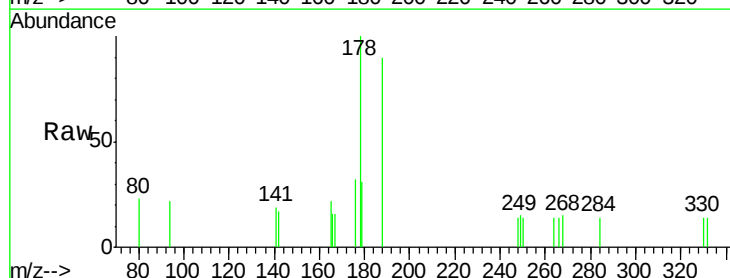
Tgt Ion:178 Resp: 646

Ion Ratio Lower Upper

178 100

176 20.4 16.8 25.2

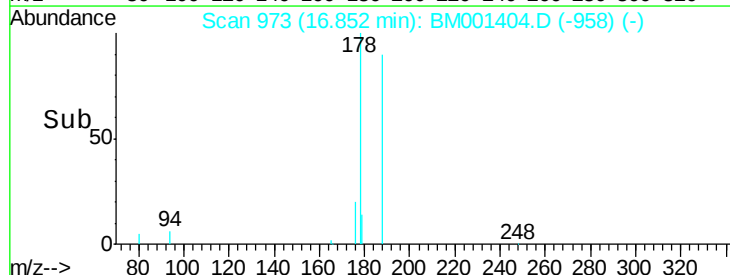
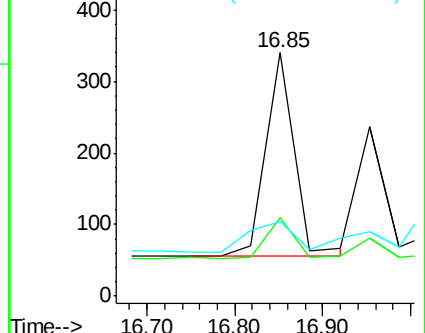
179 35.6 11.0 16.4#

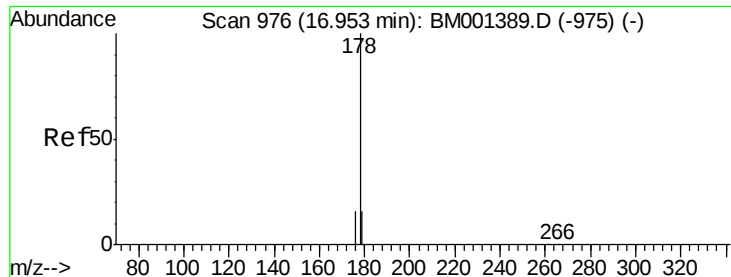


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 0.04 ng

RT: 16.95 min Scan# 976

Delta R.T. 0.00 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

Instrument :

BNA\_M

ClientSampleId :

RAV-GT-111

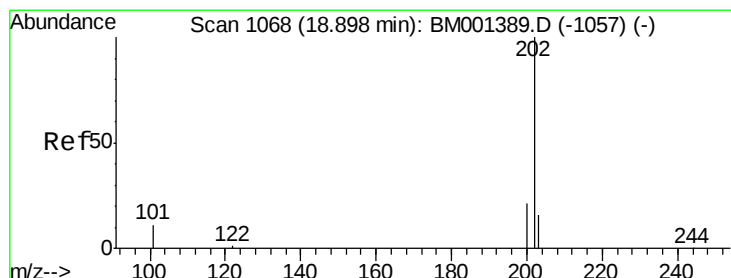
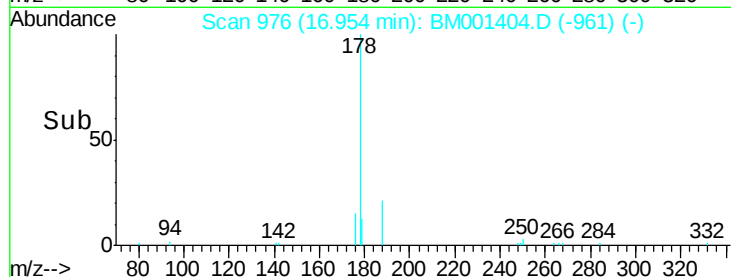
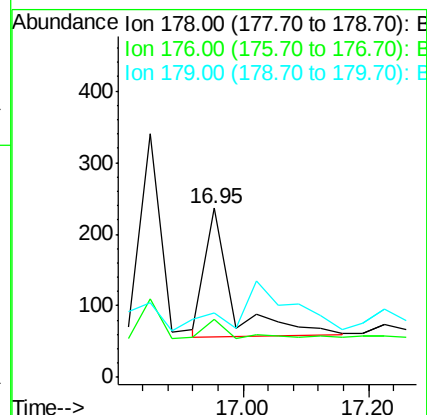
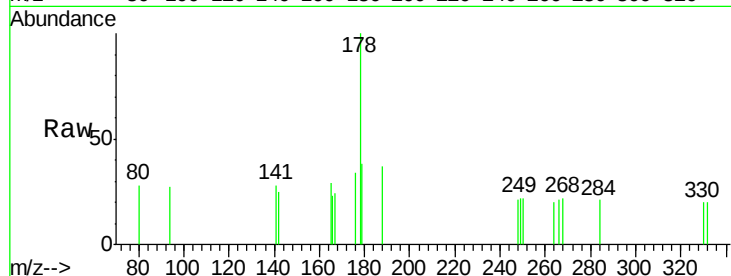
Tgt Ion:178 Resp: 538

Ion Ratio Lower Upper

178 100

176 13.9 13.1 19.7

179 0.0 12.8 19.2#



#24

Fluoranthene

Concen: 0.13 ng

RT: 18.90 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

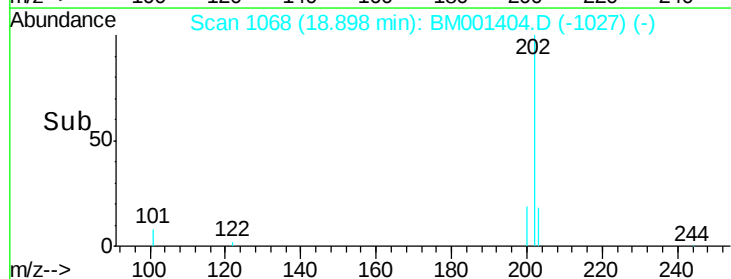
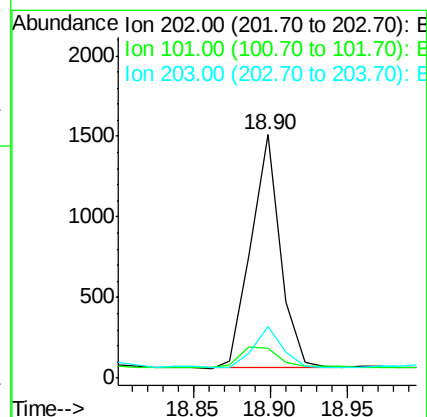
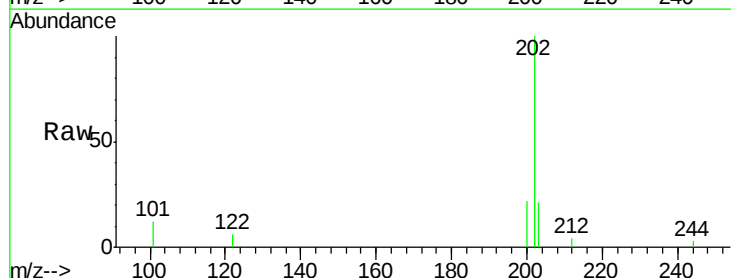
Tgt Ion:202 Resp: 1921

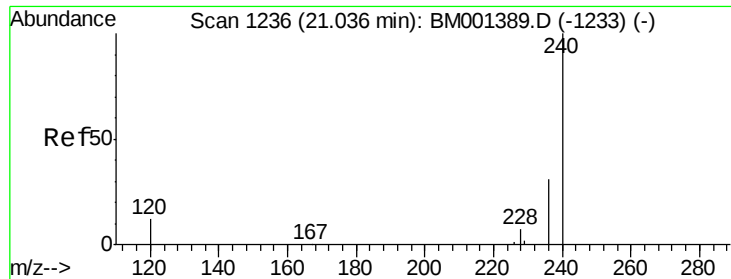
Ion Ratio Lower Upper

202 100

101 13.6 8.6 12.8#

203 17.6 13.8 20.6





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.04 min Scan# 1236

Delta R.T. 0.00 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

Instrument :

BNA\_M

ClientSampleId :

RAV-GT-111

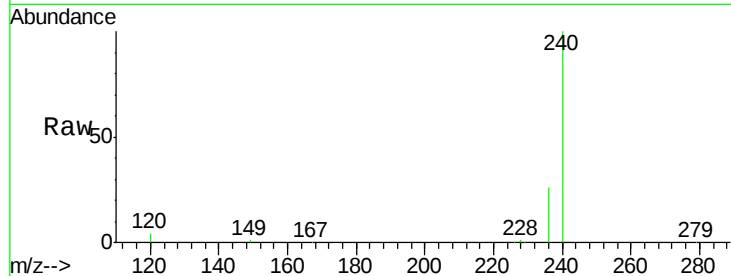
Tgt Ion:240 Resp: 47764

Ion Ratio Lower Upper

240 100

120 3.9 9.7 14.5#

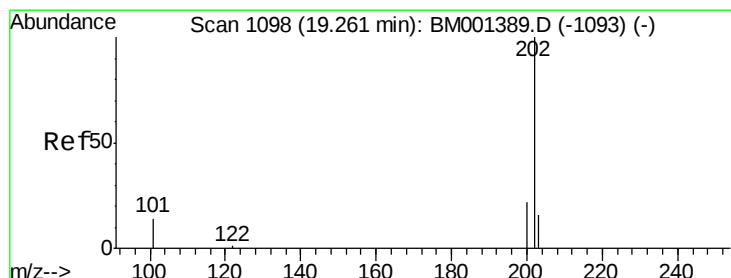
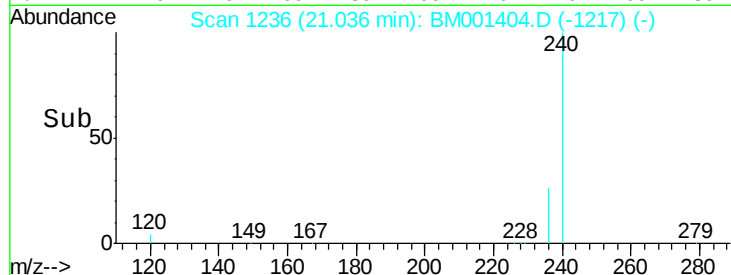
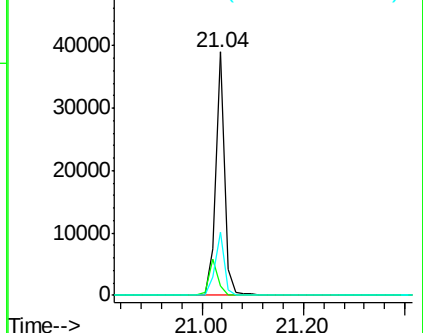
236 26.0 24.8 37.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#26

Pyrene

Concen: 0.13 ng

RT: 18.90 min Scan# 1068

Delta R.T. -0.36 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

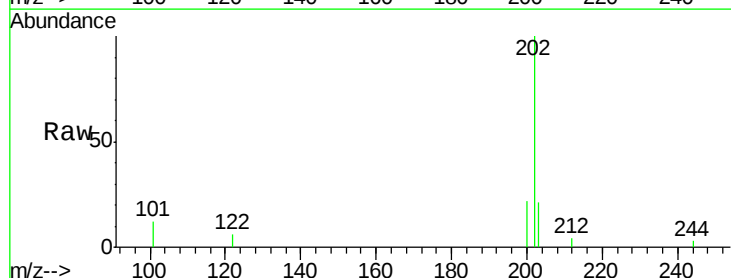
Tgt Ion:202 Resp: 1921

Ion Ratio Lower Upper

202 100

200 20.4 16.4 24.6

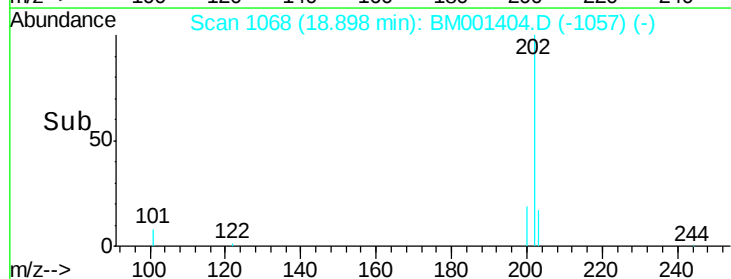
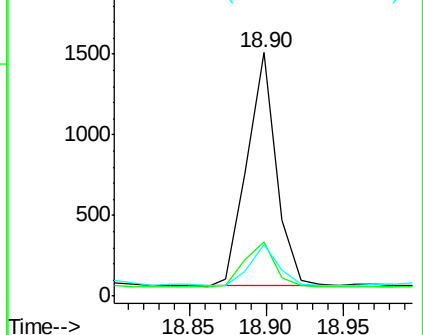
203 17.6 13.9 20.9

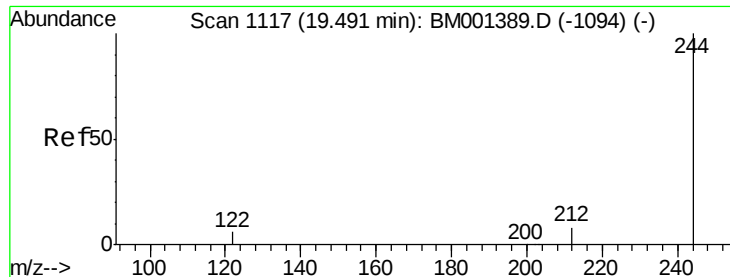


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Terphenyl-d14

Concen: 8.93 ng

RT: 19.48 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

Instrument :

BNA\_M

ClientSampleId :

RAV-GT-111

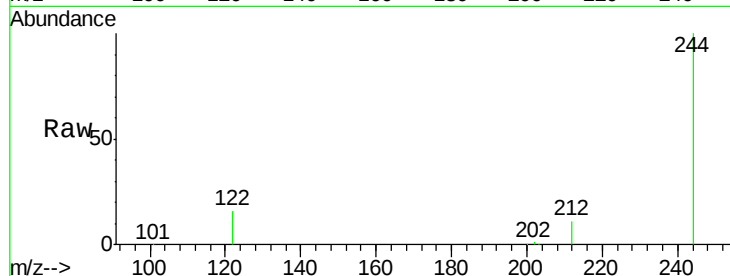
Tgt Ion:244 Resp: 57741

Ion Ratio Lower Upper

244 100

212 10.6 7.2 10.8

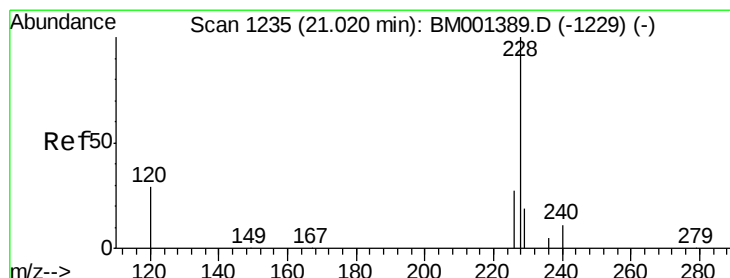
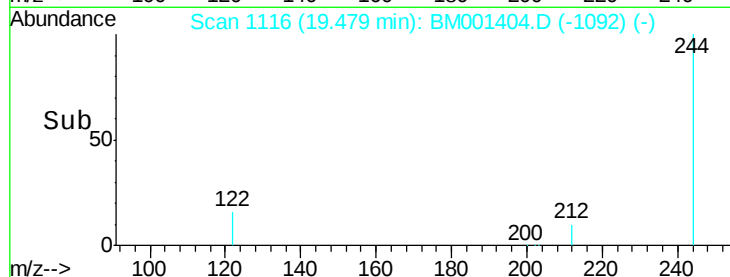
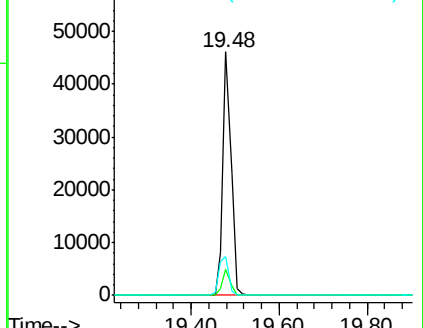
122 15.9 5.1 7.7#



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: 0.07 ng

RT: 21.02 min Scan# 1235

Delta R.T. 0.00 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

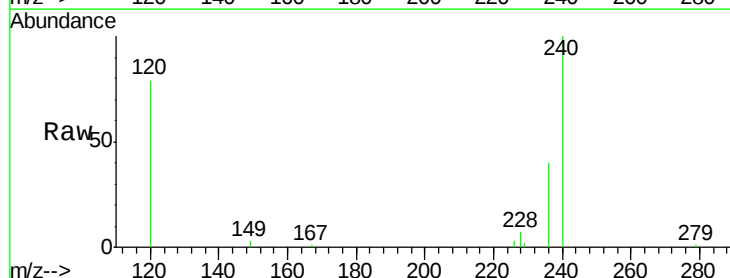
Tgt Ion:228 Resp: 924

Ion Ratio Lower Upper

228 100

226 46.6 21.9 32.9#

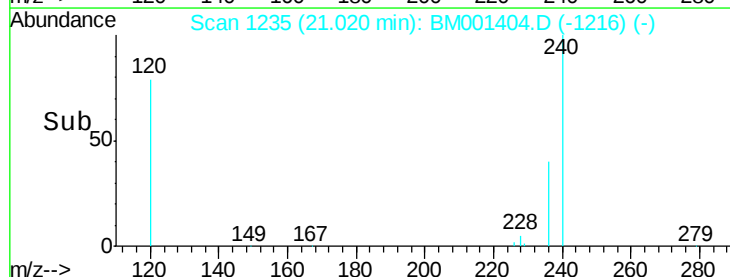
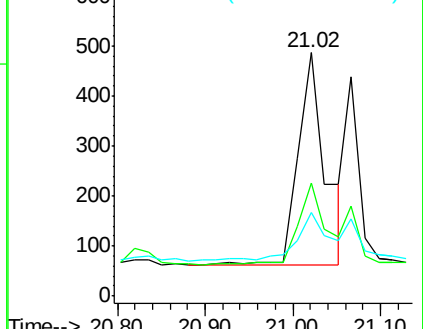
229 34.5 15.1 22.7#

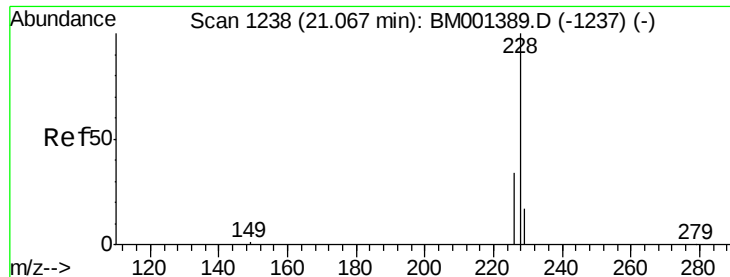


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Chrysene

Concen: 0.07 ng

RT: 21.02 min Scan# 1235

Delta R.T. -0.05 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

Instrument :

BNA\_M

ClientSampleId :

RAV-GT-111

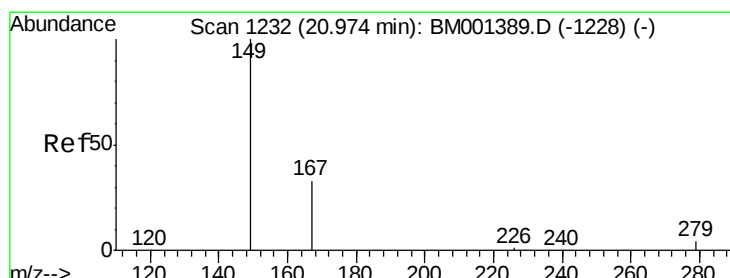
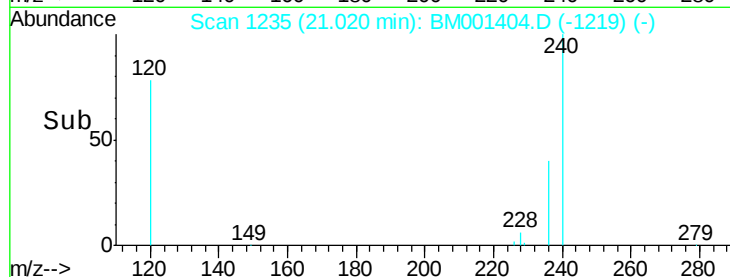
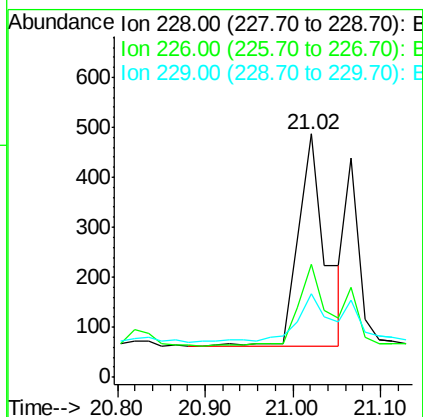
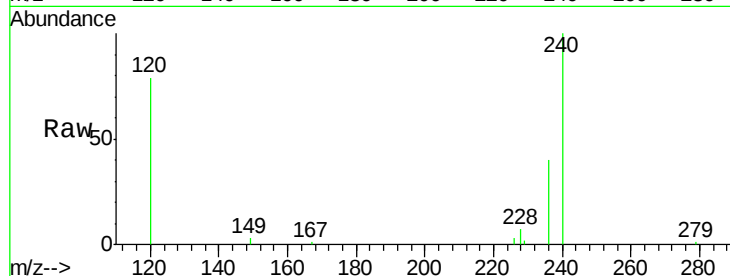
Tgt Ion:228 Resp: 924

Ion Ratio Lower Upper

228 100

226 46.6 27.6 41.4#

229 34.5 13.6 20.4#



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.30 ng

RT: 20.96 min Scan# 1231

Delta R.T. -0.02 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

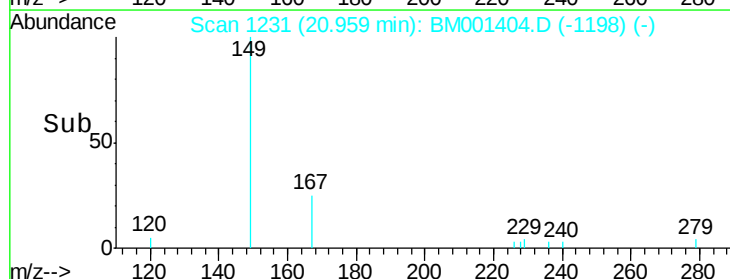
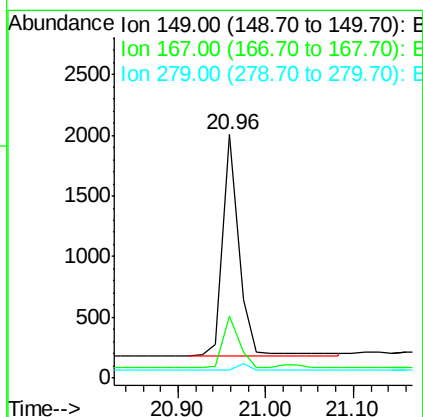
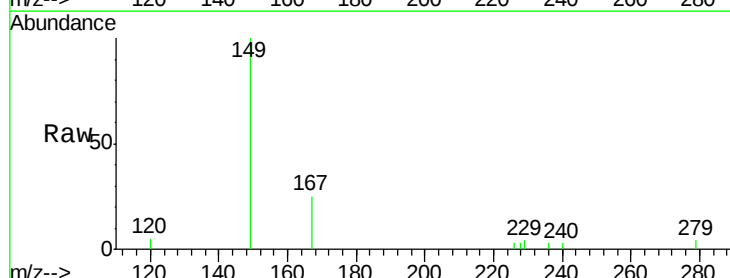
Tgt Ion:149 Resp: 2313

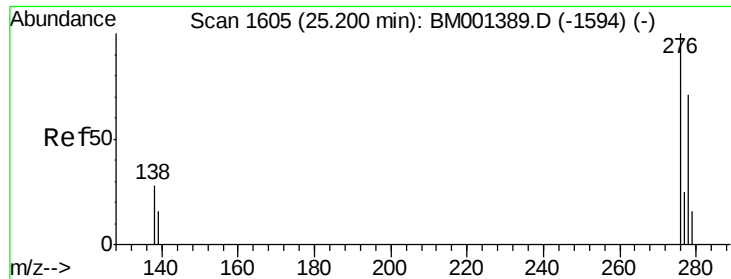
Ion Ratio Lower Upper

149 100

167 22.5 21.0 31.6

279 2.5 2.2 3.2





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.02 ng

RT: 25.19 min Scan# 1604

Delta R.T. -0.01 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

Instrument :

BNA\_M

ClientSampleId :

RAV-GT-111

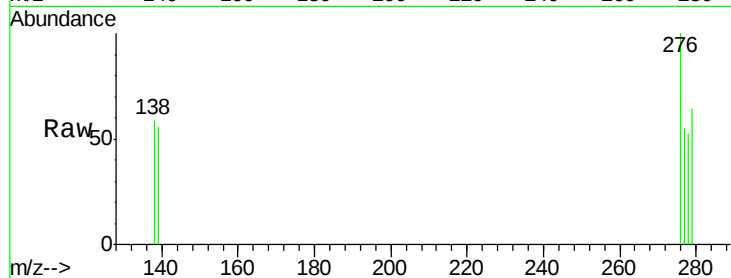
Tgt Ion:276 Resp: 250

Ion Ratio Lower Upper

276 100

138 28.4 23.4 35.0

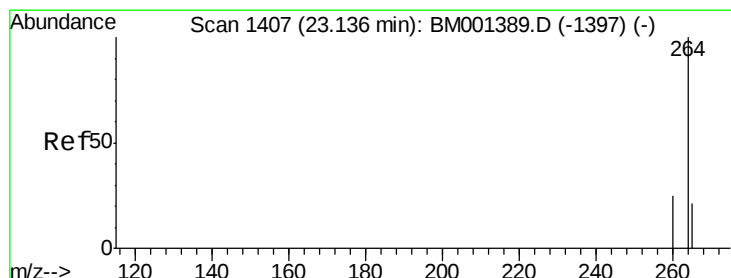
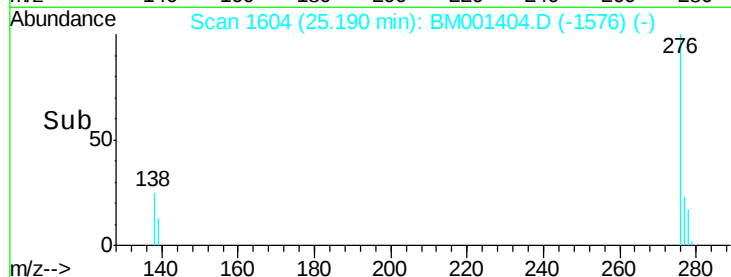
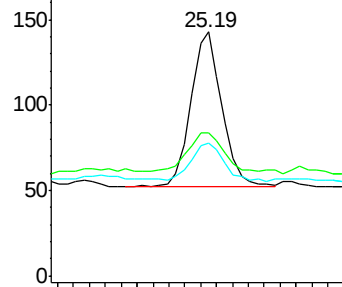
277 26.8 19.5 29.3



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: 23.13 min Scan# 1406

Delta R.T. -0.01 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

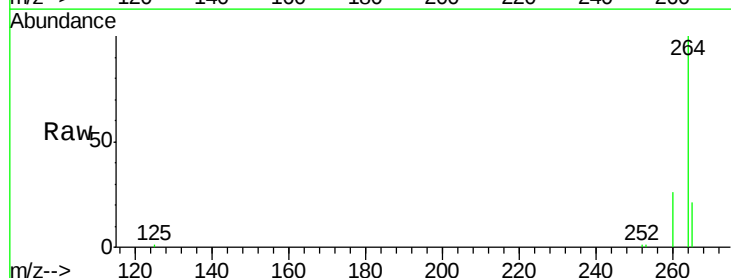
Tgt Ion:264 Resp: 42951

Ion Ratio Lower Upper

264 100

260 26.4 20.1 30.1

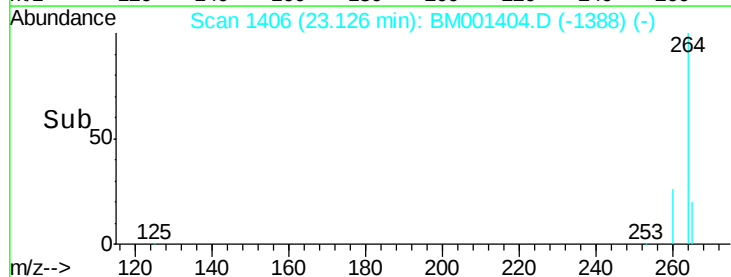
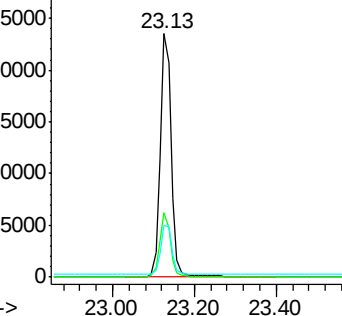
265 21.0 17.1 25.7

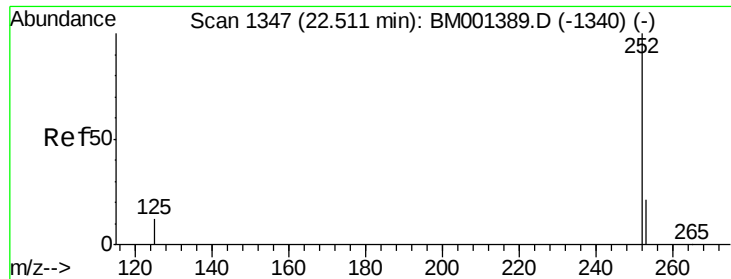


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.05 ng

RT: 22.51 min Scan# 1347

Delta R.T. 0.00 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

Instrument :

BNA\_M

ClientSampleId :

RAV-GT-111

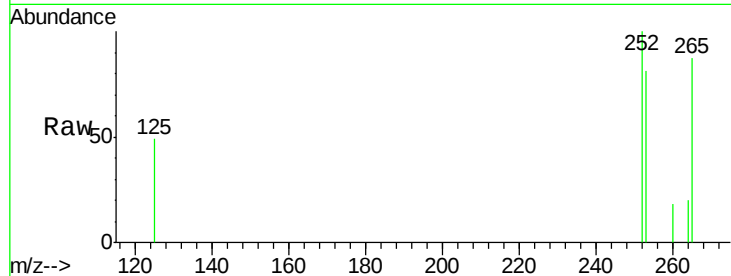
Tgt Ion:252 Resp: 612

Ion Ratio Lower Upper

252 100

253 80.5 17.4 26.0#

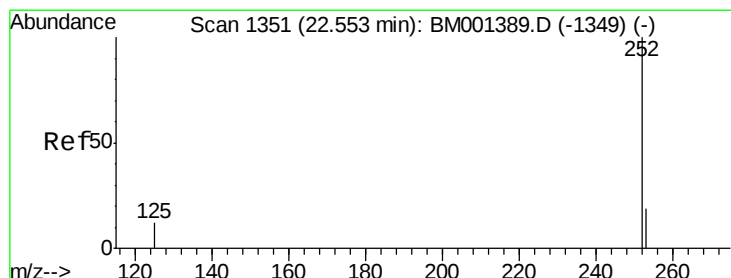
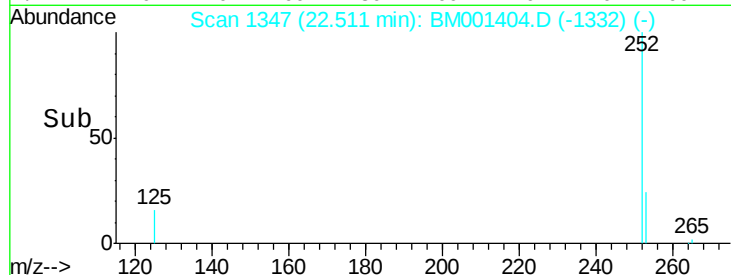
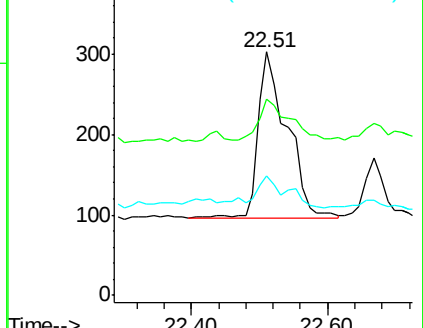
125 49.2 10.2 15.4#



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: 0.05 ng

RT: 22.51 min Scan# 1347

Delta R.T. -0.04 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

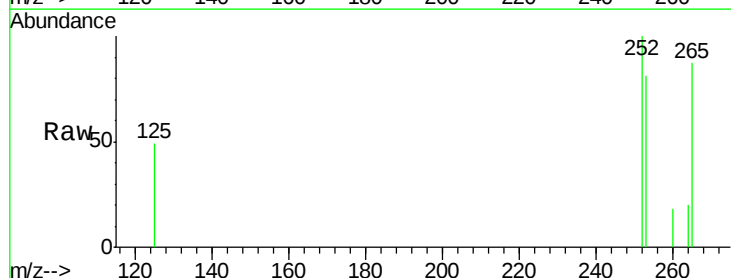
Tgt Ion:252 Resp: 612

Ion Ratio Lower Upper

252 100

253 80.5 17.6 26.4#

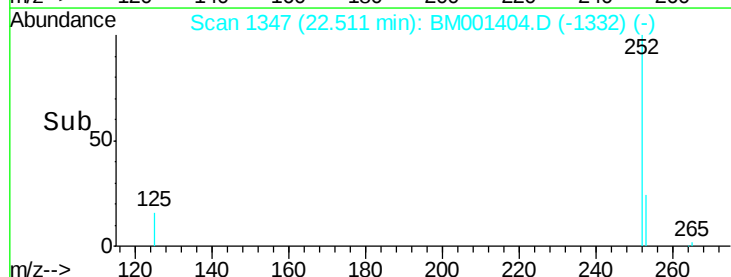
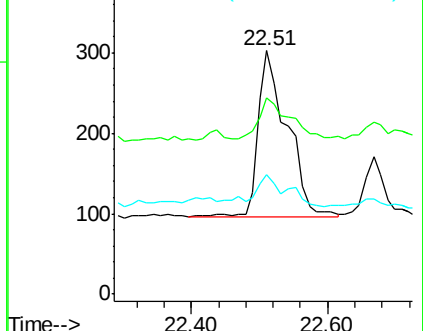
125 49.2 9.7 14.5#

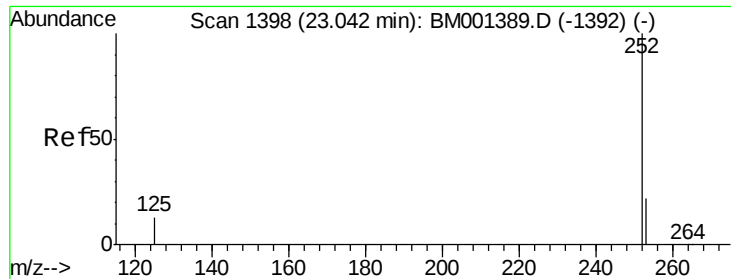


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.04 ng

RT: 23.03 min Scan# 1397

Delta R.T. -0.01 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

Instrument :

BNA\_M

ClientSampleId :

RAV-GT-111

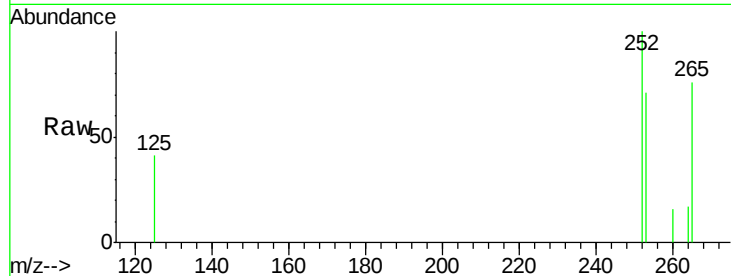
Tgt Ion: 252 Resp: 426

Ion Ratio Lower Upper

252 100

253 70.9 18.6 28.0#

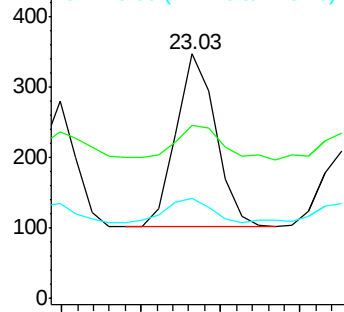
125 40.6 10.7 16.1#



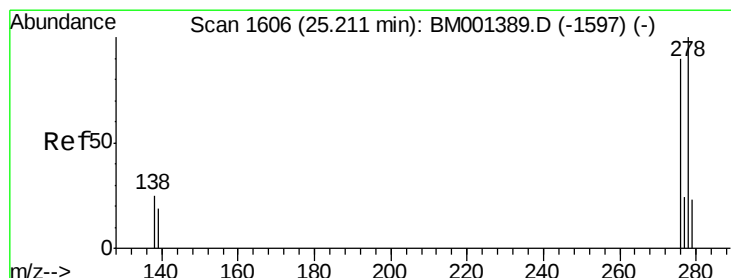
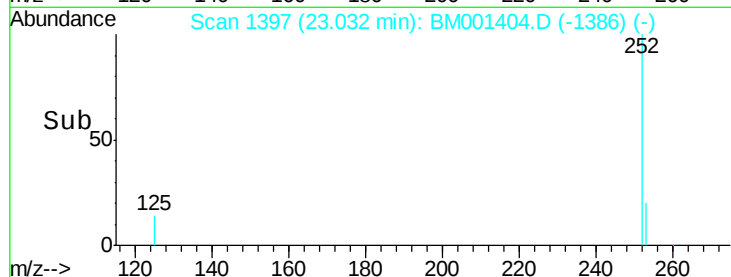
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 22.95 23.00 23.05 23.10



#36

Dibenzo(a,h)anthracene

Concen: 0.01 ng

RT: 25.20 min Scan# 1605

Delta R.T. -0.01 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

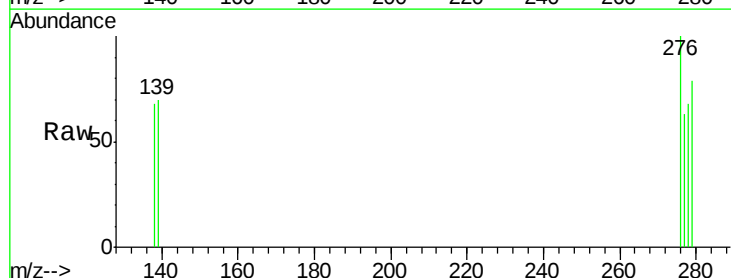
Tgt Ion: 278 Resp: 76

Ion Ratio Lower Upper

278 100

139 103.8 15.7 23.5#

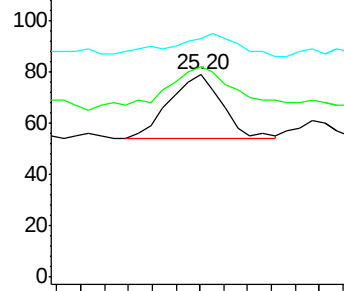
279 117.7 19.4 29.2#



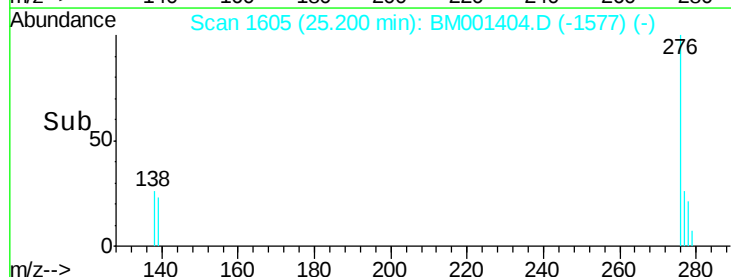
Abundance Ion 278.00 (277.70 to 278.70): E

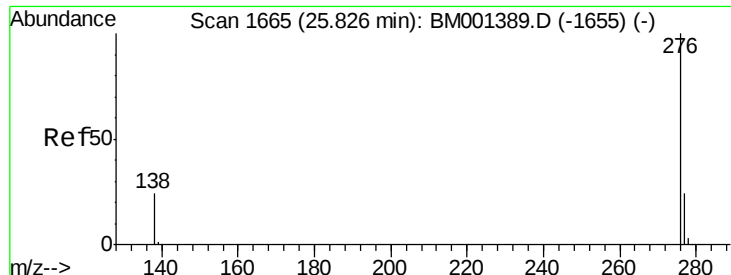
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 25.10 25.20 25.30





#37

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 25.82 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BM001404.D

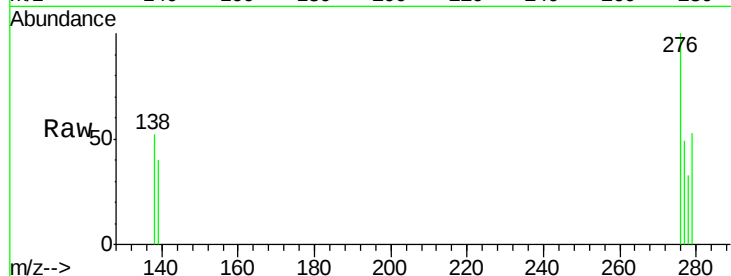
Acq: 23 May 2015 05:13

Instrument :

BNA\_M

ClientSampleId :

RAV-GT-111



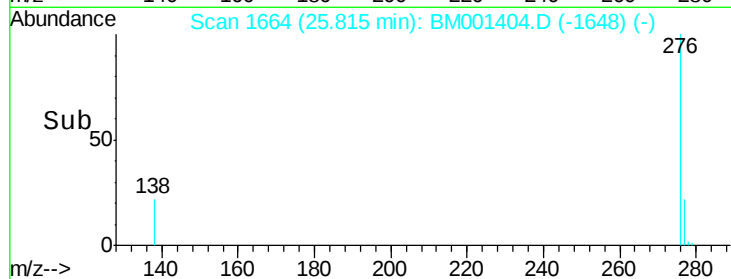
Tgt Ion: 276 Resp: 317

Ion Ratio Lower Upper

276 100

277 49.4 19.8 29.6#

138 51.9 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

