

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 26 14:01:43 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

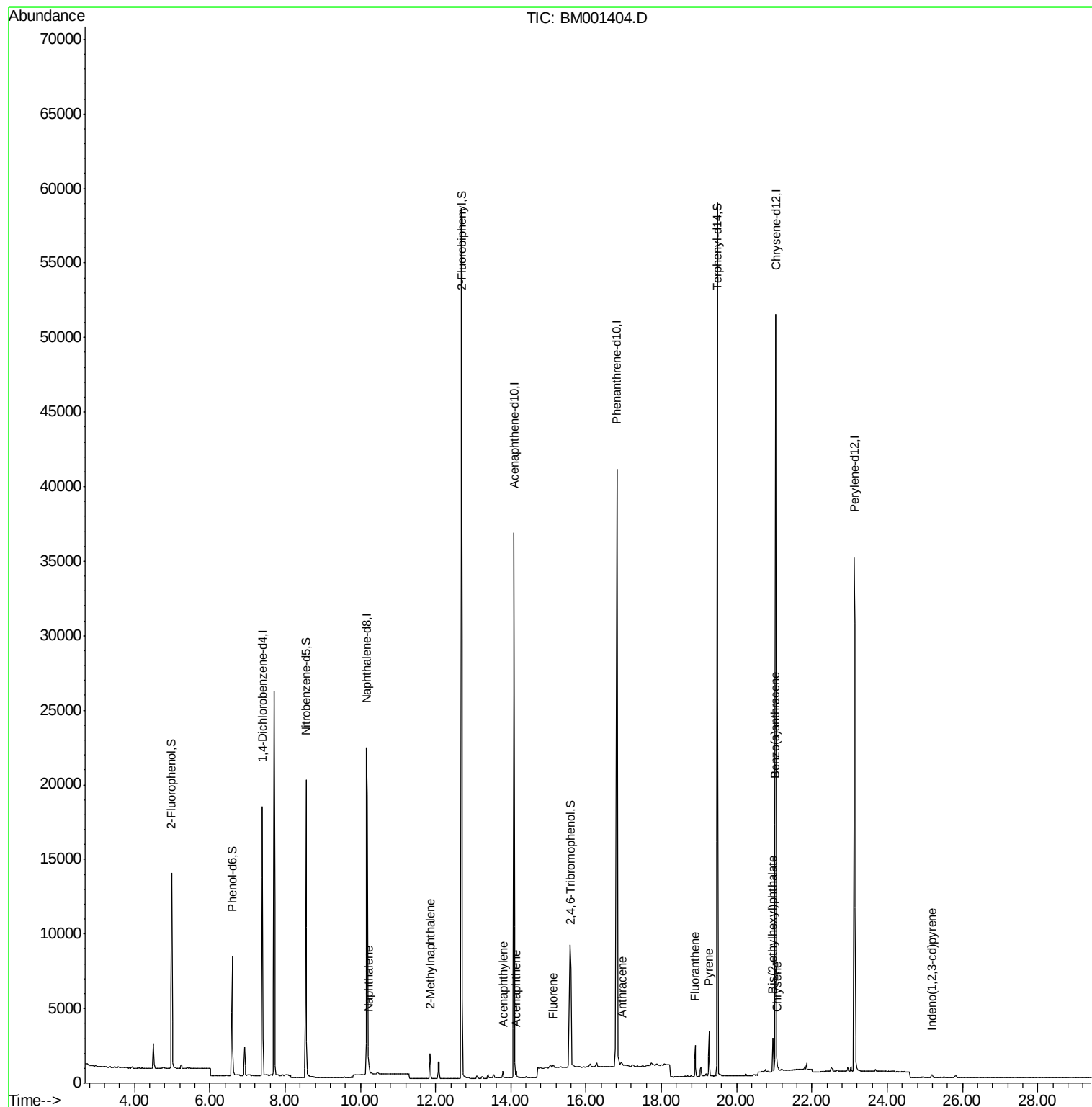
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	10027	5.00	ng	0.00
6) Naphthalene-d8	10.16	136	36848	5.00	ng	-0.02
12) Acenaphthene-d10	14.08	164	22119	5.00	ng	0.00
18) Phenanthrene-d10	16.82	188	80121	5.00	ng	0.00
25) Chrysene-d12	21.04	240	47764	5.00	ng	0.00
32) Perylene-d12	23.13	264	42951	5.00	ng	-0.01
System Monitoring Compounds						
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						Qvalue
9) Naphthalene	10.22	128	1273	0.16	ng	# 86
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	277m	0.03	ng	
23) Anthracene	16.95	178	538	0.04	ng	# 78
24) Fluoranthene	18.90	202	1921	0.13	ng	# 96
26) Pyrene	19.26	202	2683m	0.19	ng	
28) Benzo(a)anthracene	21.02	228	924	0.07	ng	# 64
29) Chrysene	21.07	228	420m	0.03	ng	
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

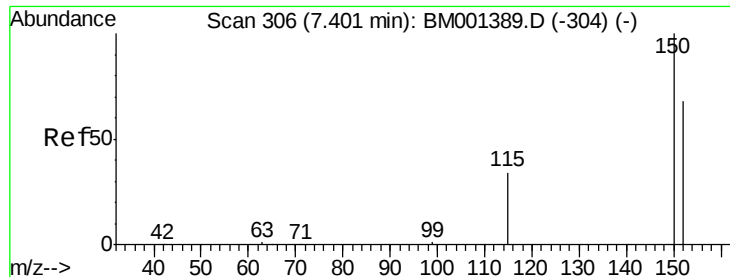
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001404.D

Acq: 23 May 2015 05:13

Instrument :

BNA_M

ClientSampleId :

RAV-GT-111

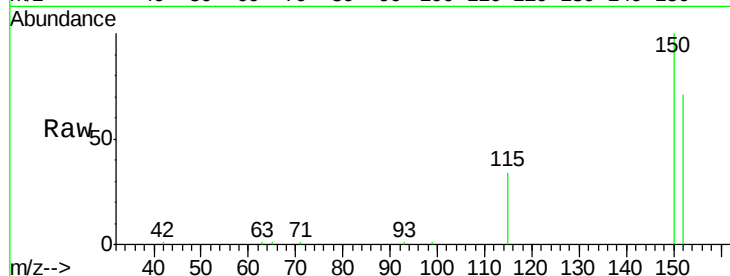
Tgt Ion:152 Resp: 10027

Ion Ratio Lower Upper

152 100

150 141.5 119.0 178.6

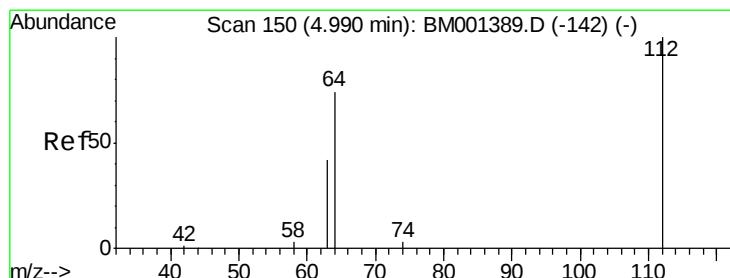
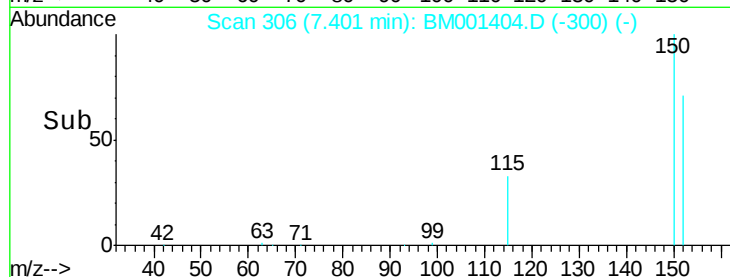
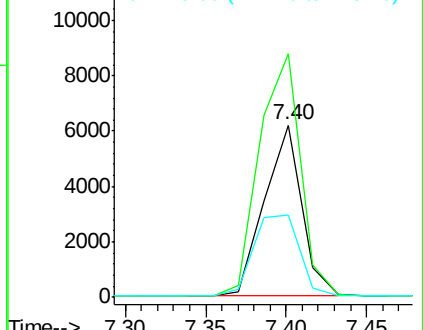
115 47.7 41.8 62.8



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



#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

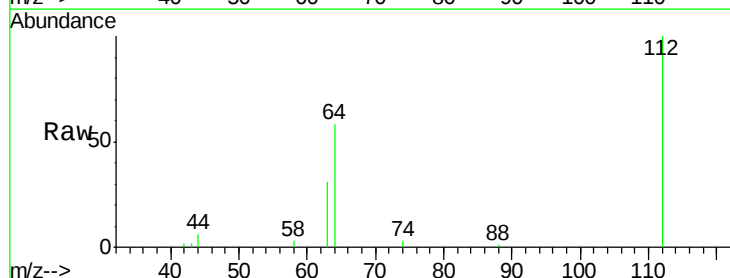
Tgt Ion:112 Resp: 9989

Ion Ratio Lower Upper

112 100

64 64.3 51.7 77.5

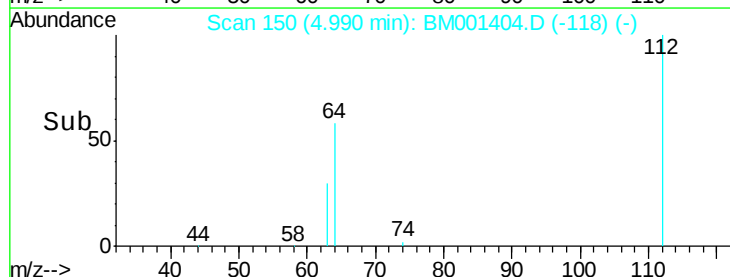
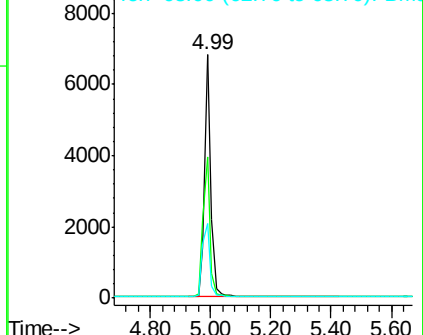
63 36.6 29.7 44.5

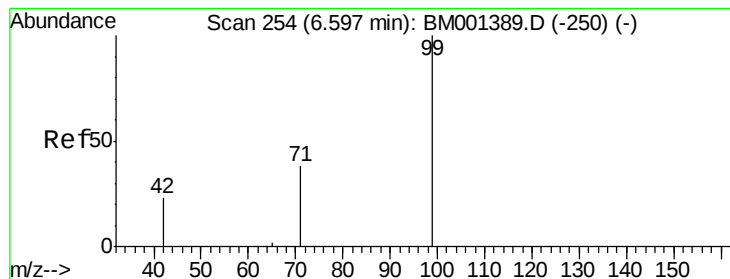


Abundance Ion 112.00 (111.70 to 112.70): E

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

Instrument :

BNA_M

ClientSampleId :

RAV-GT-111

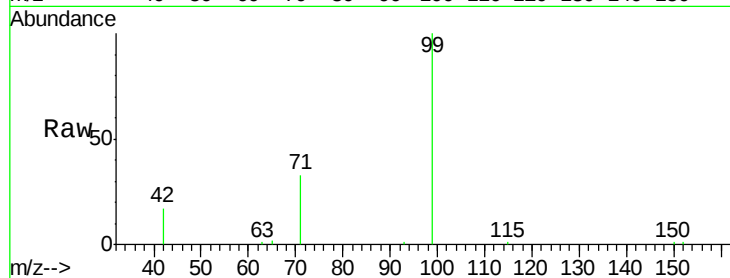
Tgt Ion: 99 Resp: 8416

Ion Ratio Lower Upper

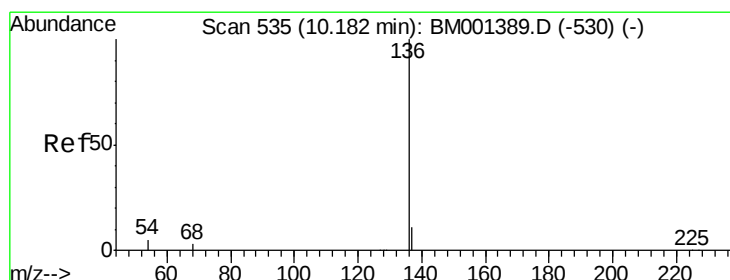
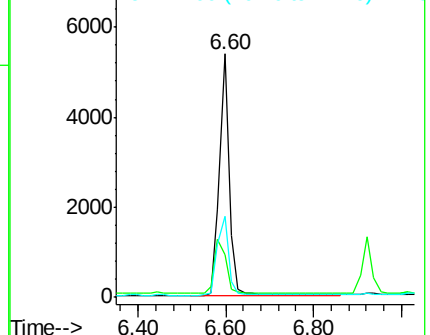
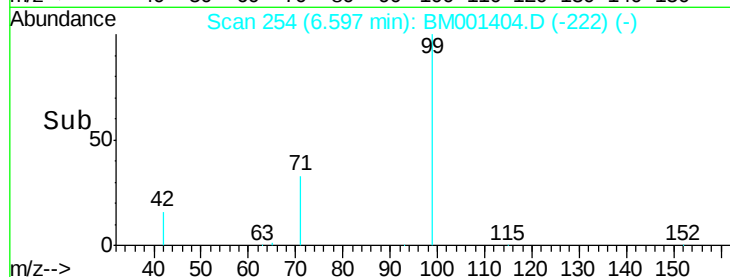
99 100

42 26.6 21.8 32.6

71 37.0 29.2 43.8



Abundance Ion 99.00 (98.70 to 99.70): BM001404.D (-222) (-)



#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

Tgt Ion: 136 Resp: 36848

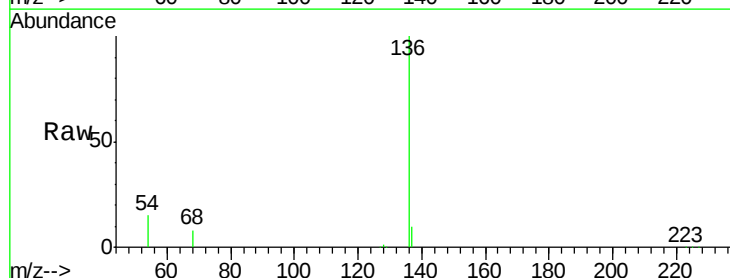
Ion Ratio Lower Upper

136 100

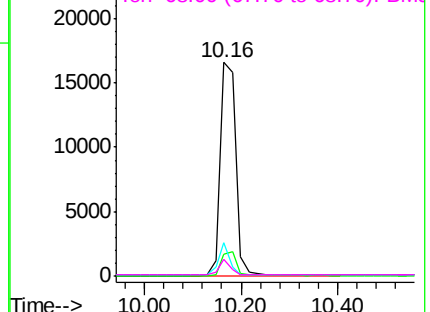
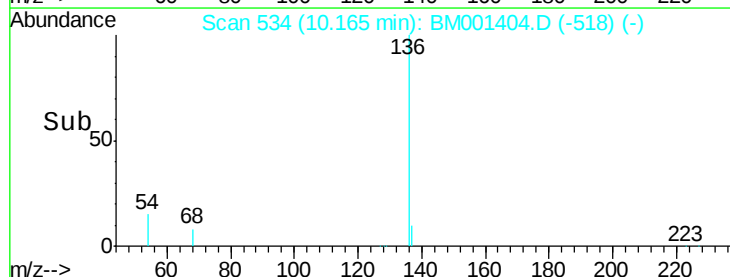
137 10.0 9.1 13.7

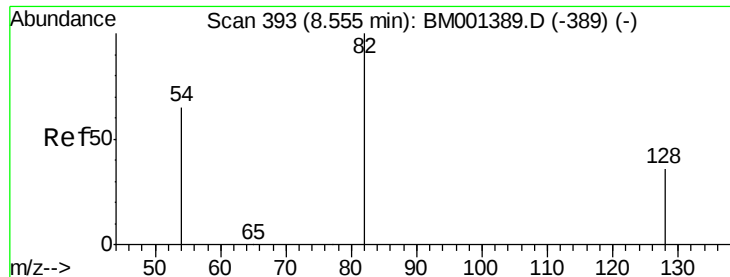
54 15.4 4.3 6.5#

68 8.0 2.6 4.0#



Abundance Ion 136.00 (135.70 to 136.70): BM001404.D (-518) (-)





#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

Instrument :

BNA_M

ClientSampleId :

RAV-GT-111

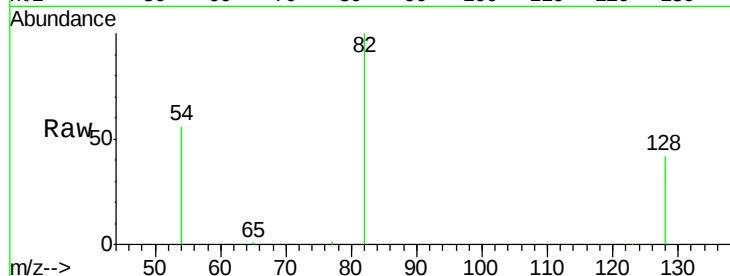
Tgt Ion: 82 Resp: 16723

Ion Ratio Lower Upper

82 100

128 42.1 30.2 45.4

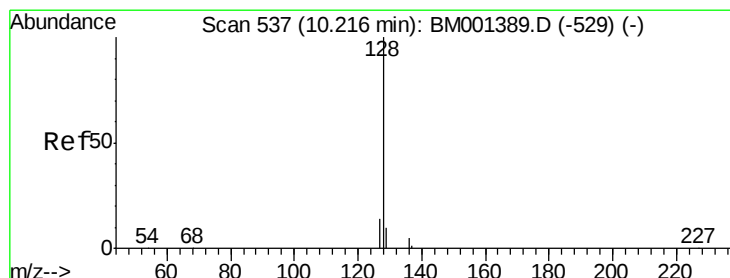
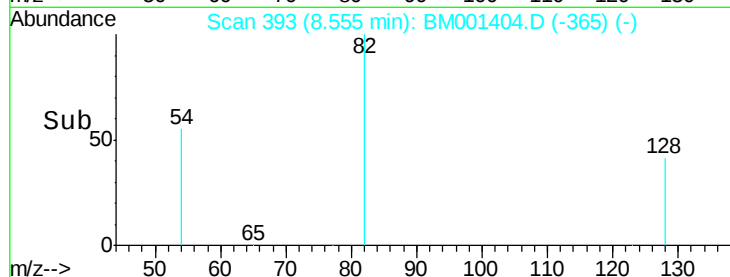
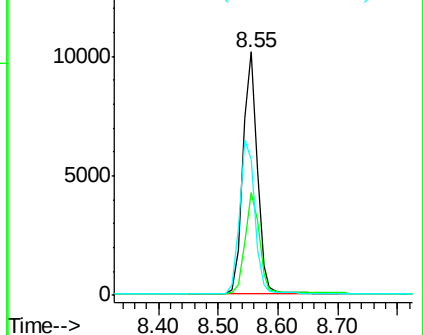
54 55.6 52.9 79.3



Abundance Ion 82.00 (81.70 to 82.70): BM001404.D (-365) (-)

Ion 128.00 (127.70 to 128.70): BM001404.D (-365) (-)

Ion 54.00 (53.70 to 54.70): BM001404.D (-365) (-)



#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

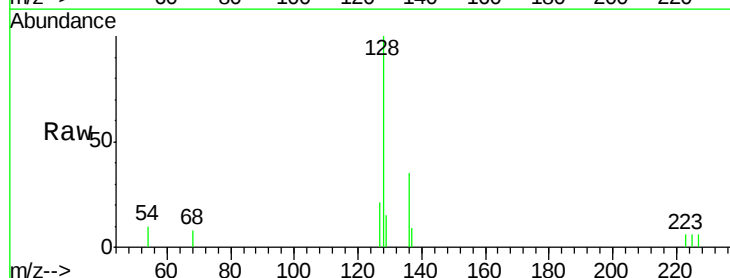
Tgt Ion: 128 Resp: 1273

Ion Ratio Lower Upper

128 100

129 14.7 8.6 13.0#

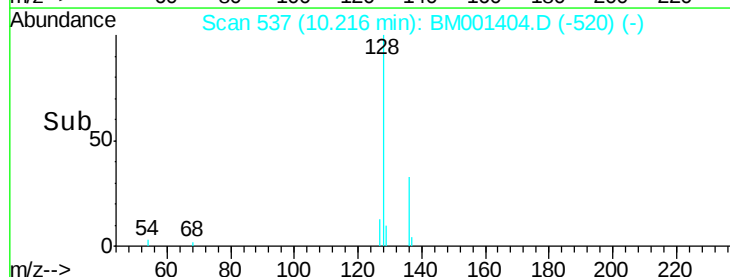
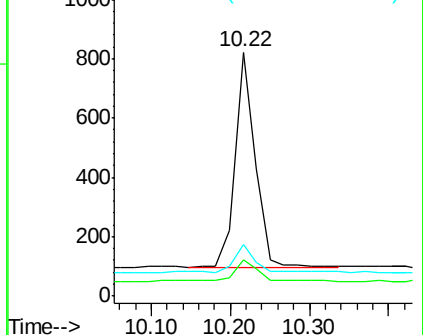
127 21.3 11.7 17.5#

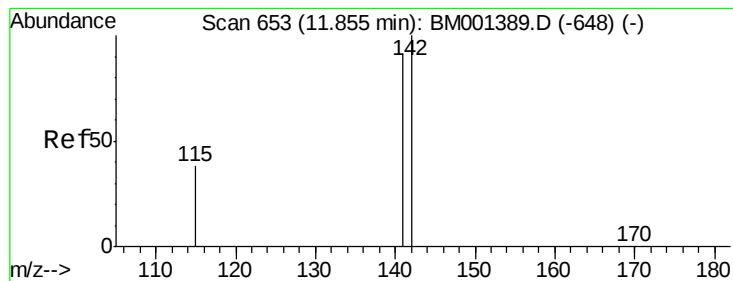


Abundance Ion 128.00 (127.70 to 128.70): BM001404.D (-520) (-)

Ion 129.00 (128.70 to 129.70): BM001404.D (-520) (-)

Ion 127.00 (126.70 to 127.70): BM001404.D (-520) (-)





#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

Instrument :

BNA_M

ClientSampleId :

RAV-GT-111

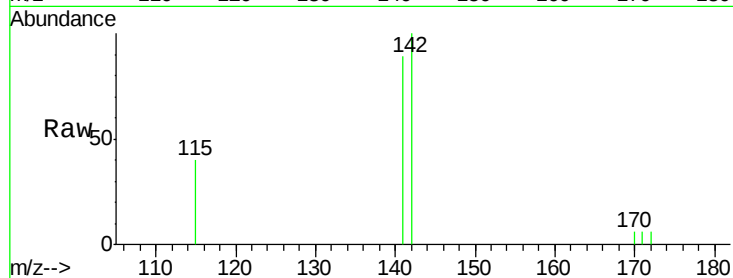
Tgt Ion:142 Resp: 1218

Ion Ratio Lower Upper

142 100

141 88.6 72.6 109.0

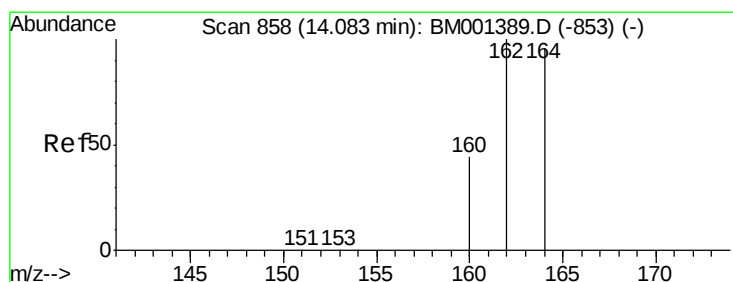
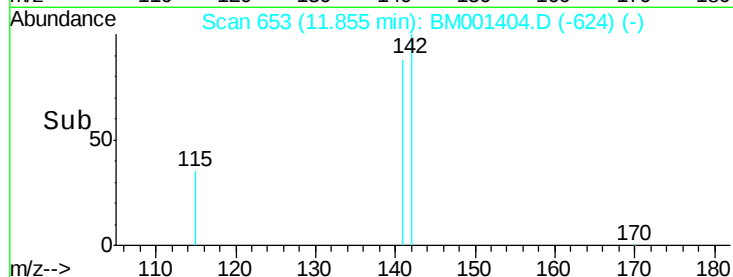
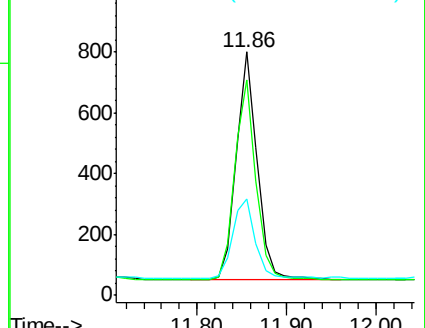
115 39.8 31.2 46.8



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: BM001404.D

Acq: 23 May 2015 05:13

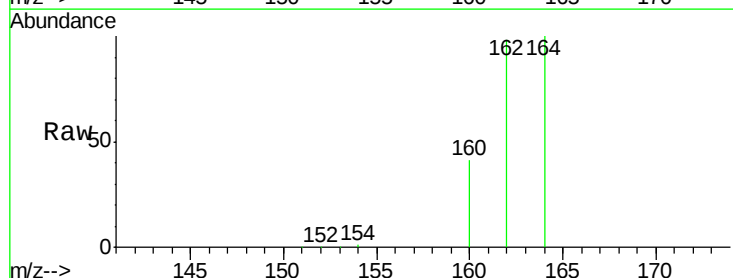
Tgt Ion:164 Resp: 22119

Ion Ratio Lower Upper

164 100

162 98.0 83.4 125.2

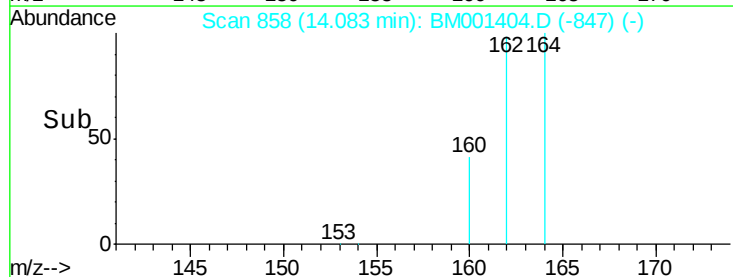
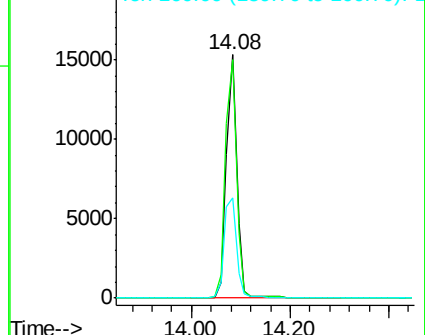
160 41.1 36.9 55.3

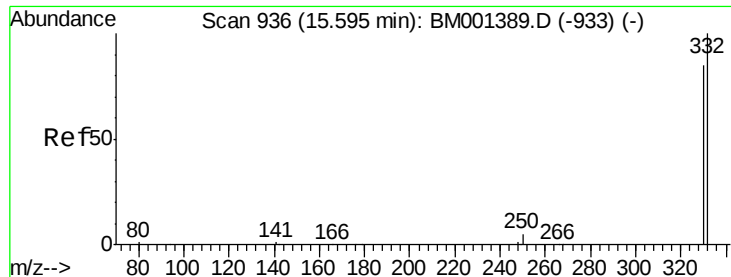


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

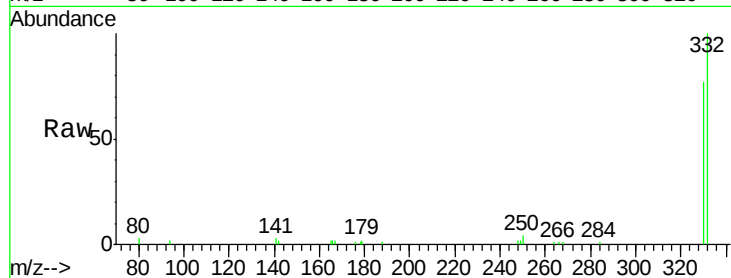




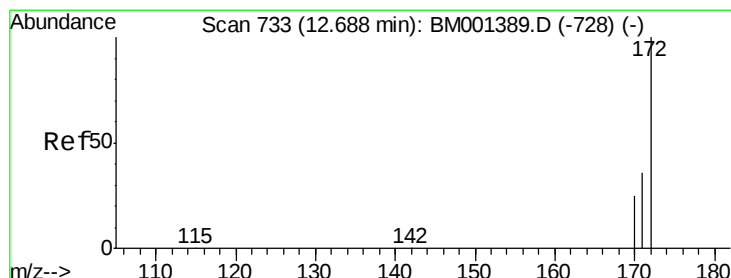
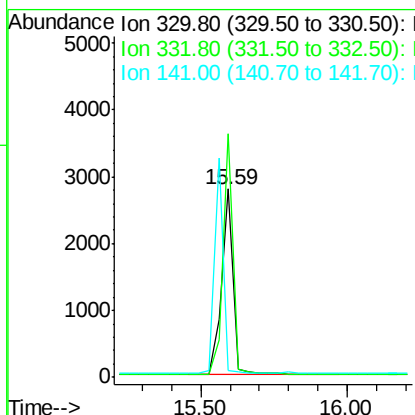
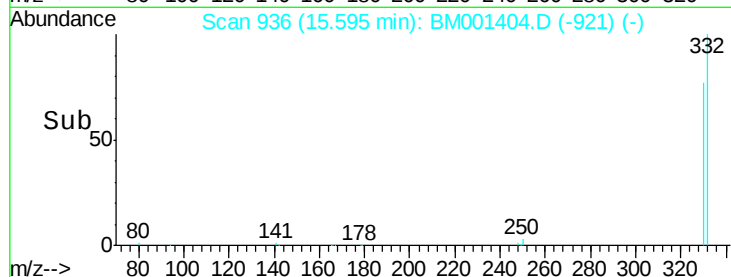
#13
 2,4,6-Tribromophenol
 Concen: 11.21 ng
 RT: 15.59 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: BM001404.D
 Acq: 23 May 2015 05:13

Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-111

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

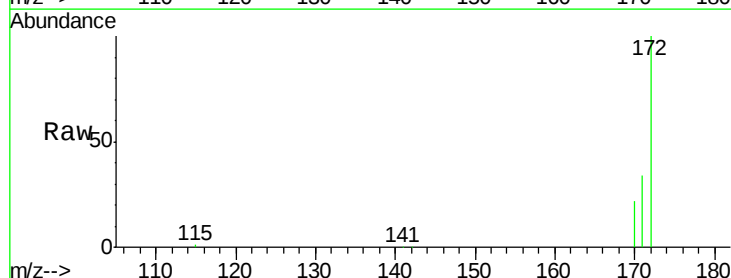


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

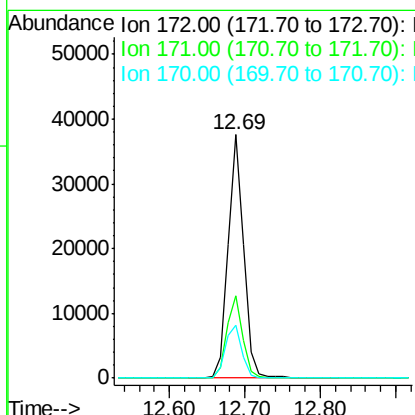
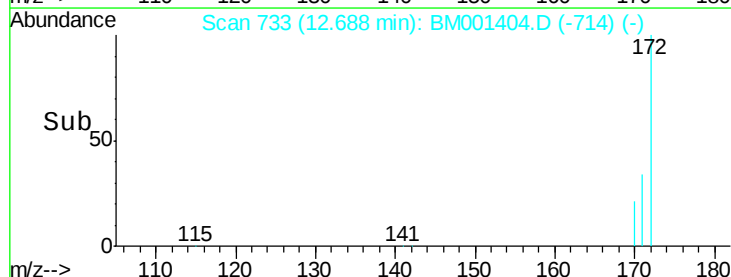


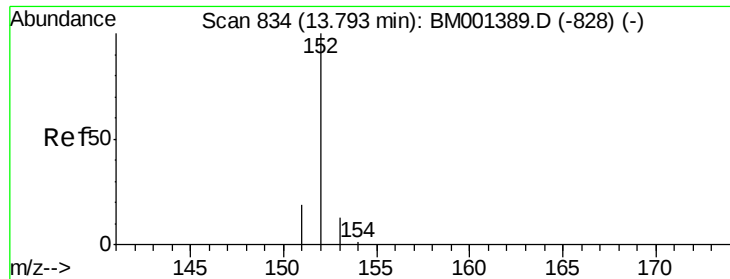
#14
 2-Fluorobiphenyl
 Concen: 8.05 ng
 RT: 12.69 min Scan# 733
 Delta R.T. 0.00 min
 Lab File: BM001404.D
 Acq: 23 May 2015 05:13

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



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





#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

Instrument :

BNA_M

ClientSampleId :

RAV-GT-111

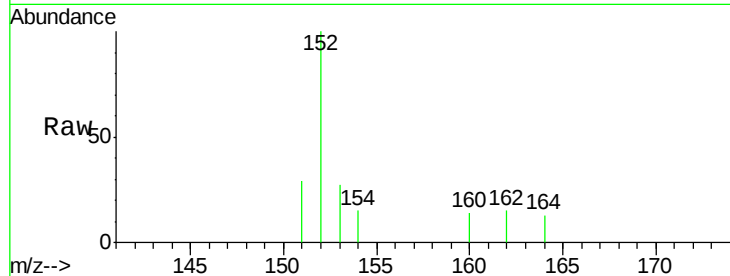
Tgt Ion:152 Resp: 534

Ion Ratio Lower Upper

152 100

151 19.5 15.1 22.7

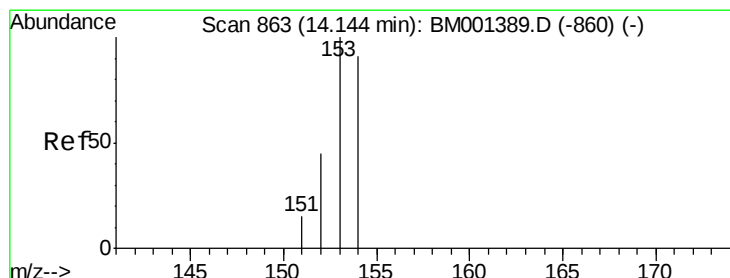
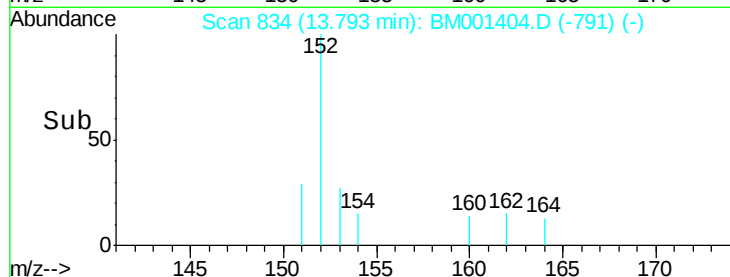
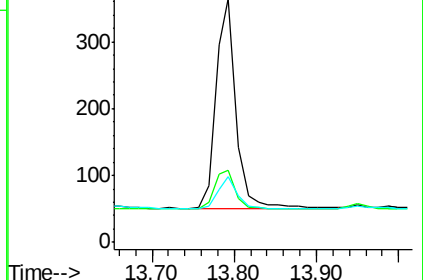
153 15.2 10.2 15.4



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



#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

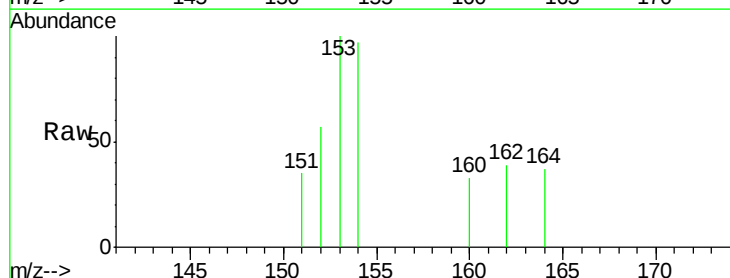
Tgt Ion:154 Resp: 230

Ion Ratio Lower Upper

154 100

153 114.3 91.4 137.2

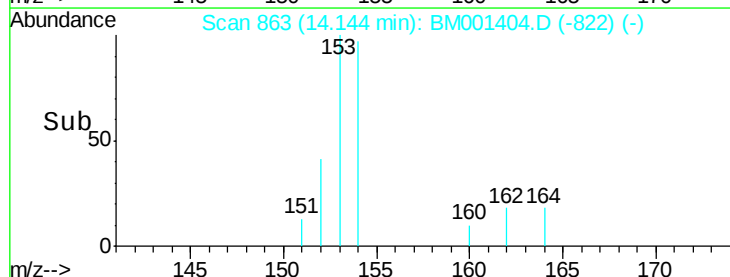
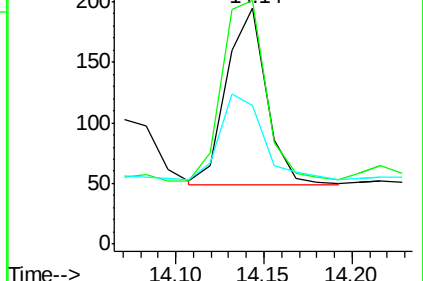
152 52.6 44.0 66.0

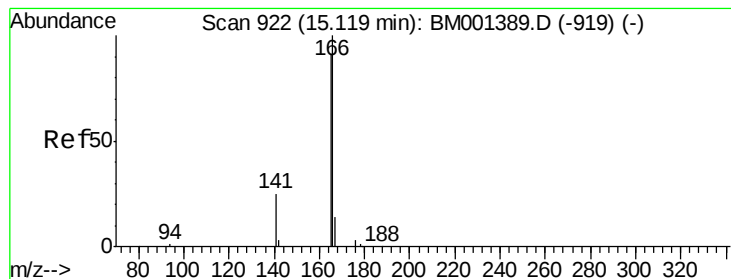


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#17

Fluorene

Concen: 0.03 ng m

RT: 15.12 min Scan# 922

Delta R.T. 0.00 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

Instrument :

BNA_M

ClientSampleId :

RAV-GT-111

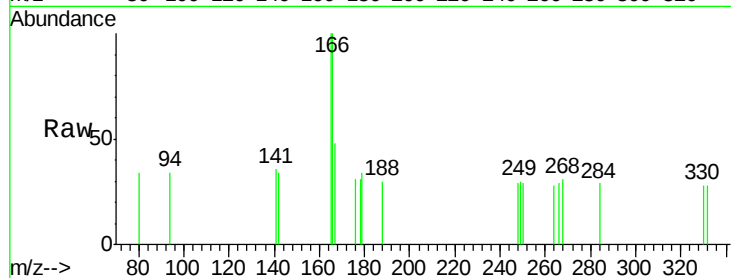
Tgt Ion:166 Resp: 277

Ion Ratio Lower Upper

166 100

165 272.2 72.6 108.8#

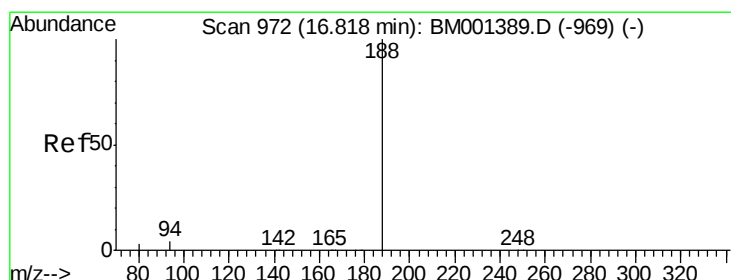
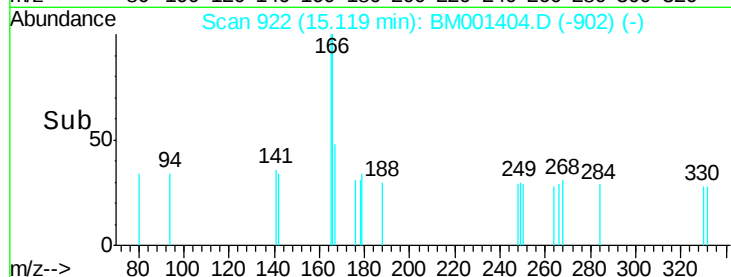
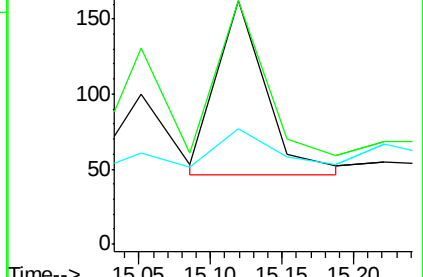
167 0.0 10.9 16.3#



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

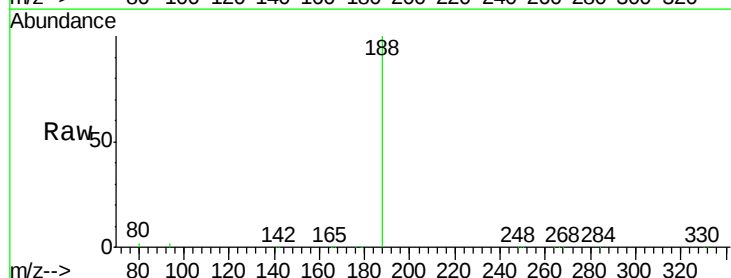
Tgt Ion:188 Resp: 80121

Ion Ratio Lower Upper

188 100

94 2.1 3.0 4.4#

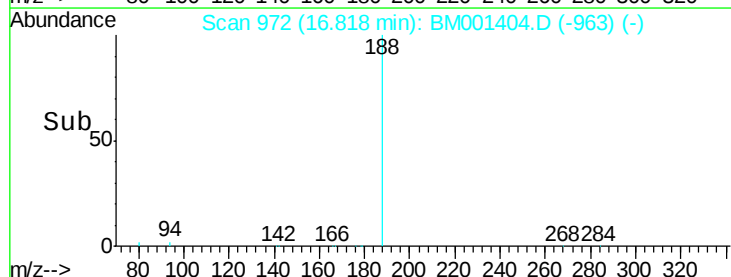
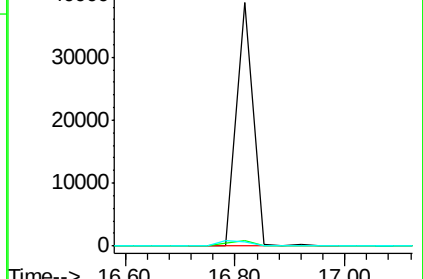
80 1.7 2.5 3.7#

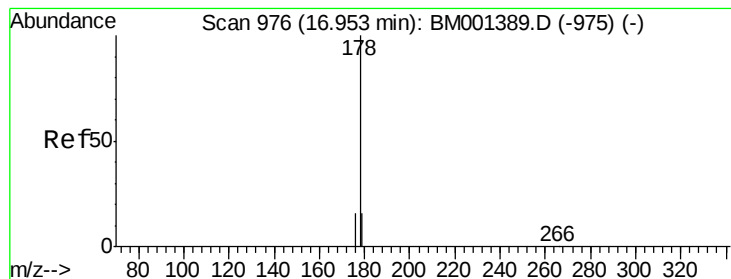


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#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

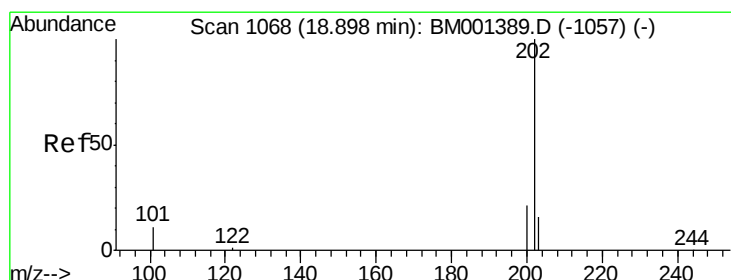
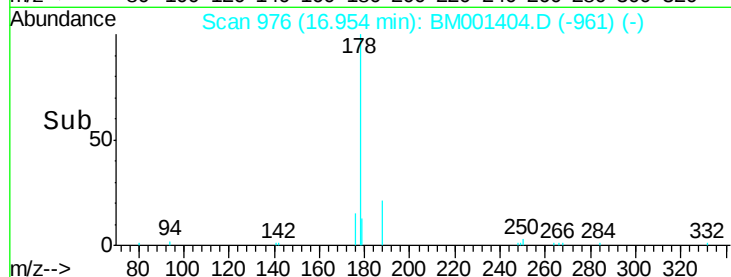
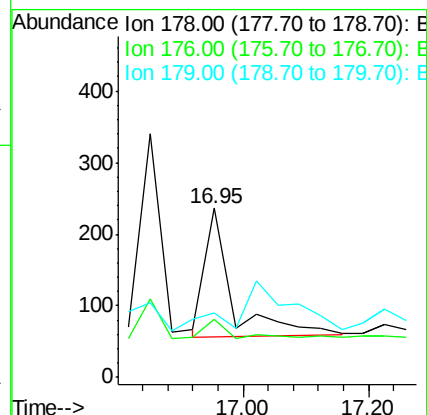
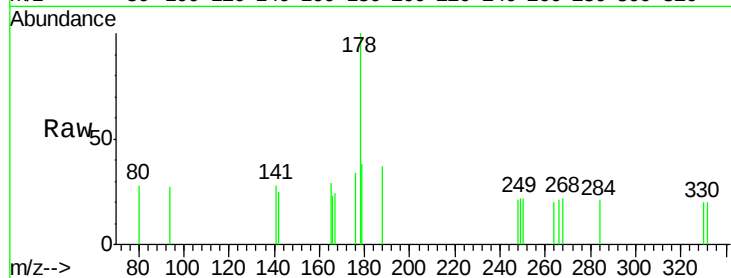
Tgt Ion:178 Resp: 538

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

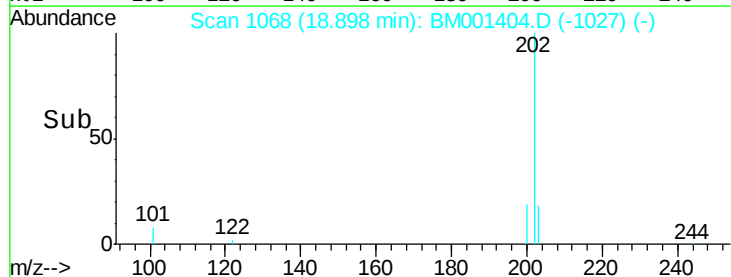
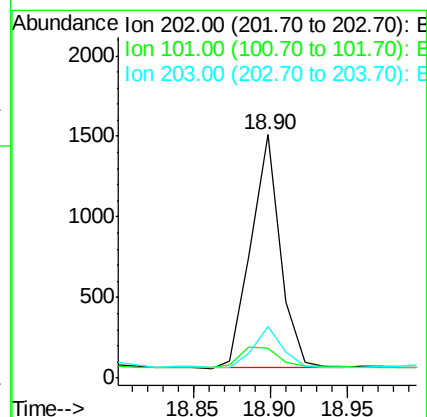
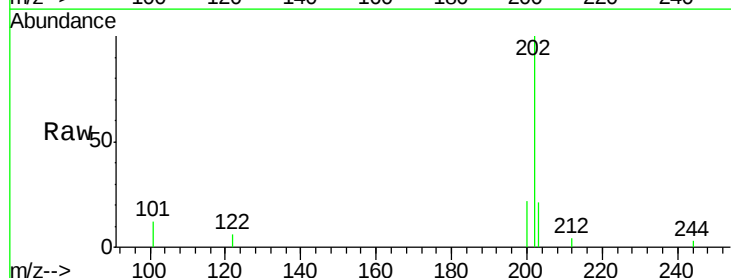
Tgt Ion:202 Resp: 1921

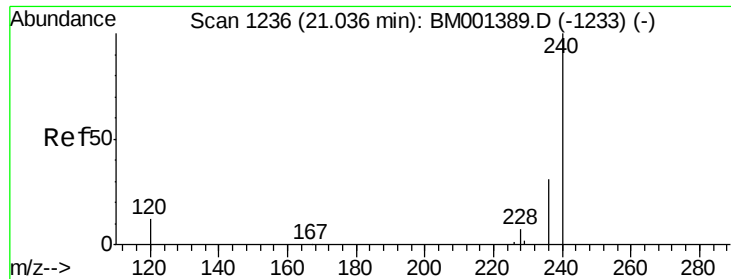
Ion Ratio Lower Upper

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

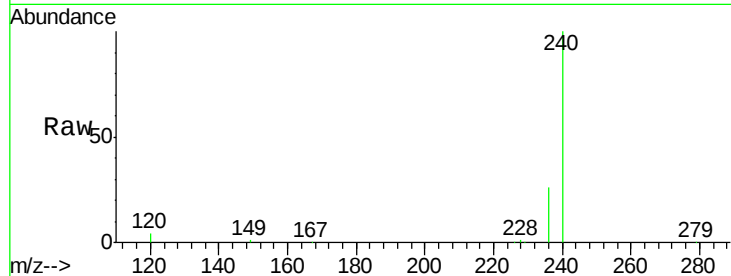
Tgt Ion:240 Resp: 47764

Ion Ratio Lower Upper

240 100

120 3.9 9.7 14.5#

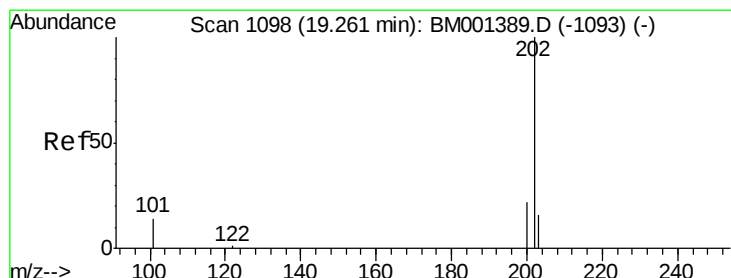
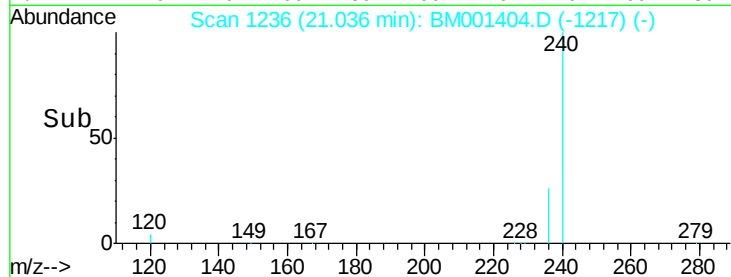
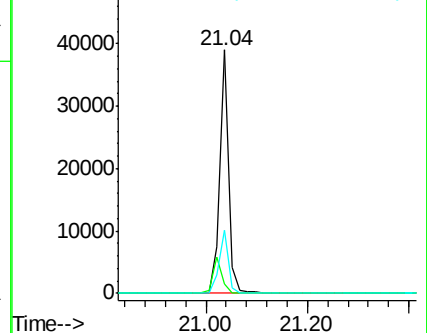
236 26.0 24.8 37.2



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: 0.19 ng m

RT: 19.26 min Scan# 1098

Delta R.T. 0.00 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

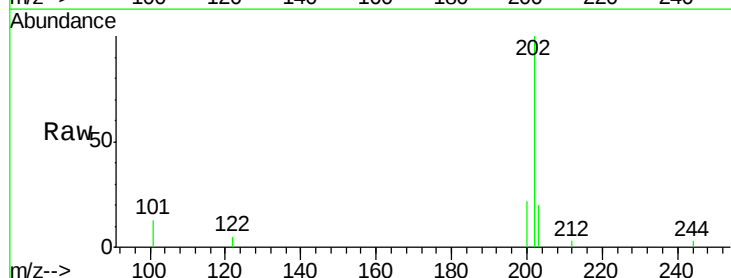
Tgt Ion:202 Resp: 2683

Ion Ratio Lower Upper

202 100

200 14.6 16.4 24.6#

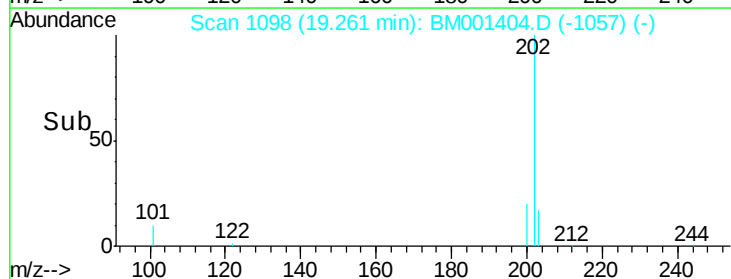
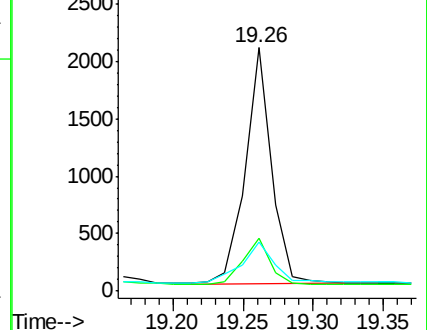
203 12.6 13.9 20.9#

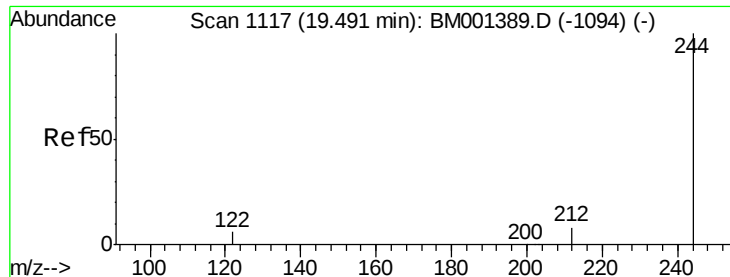


Abundance Ion 202.00 (201.70 to 202.70): E

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

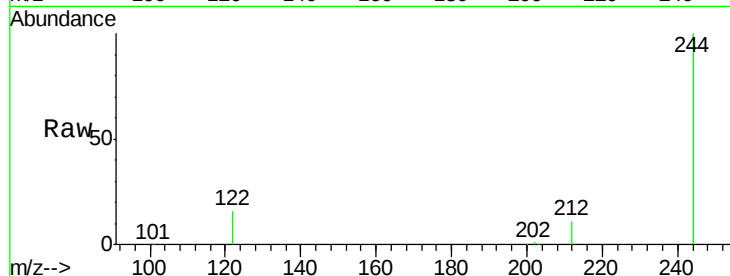
Tgt Ion:244 Resp: 57741

Ion Ratio Lower Upper

244 100

212 10.6 7.2 10.8

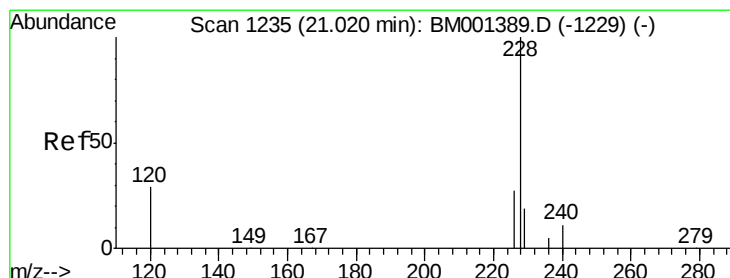
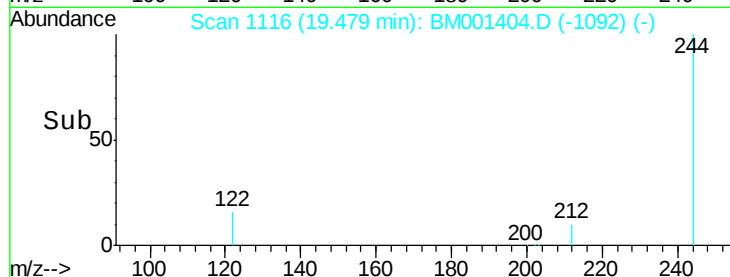
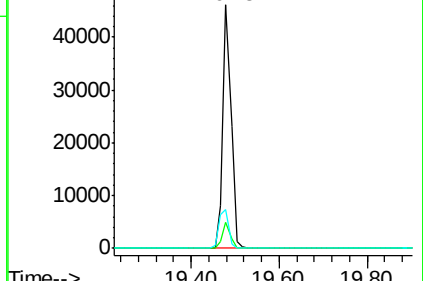
122 15.9 5.1 7.7#



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

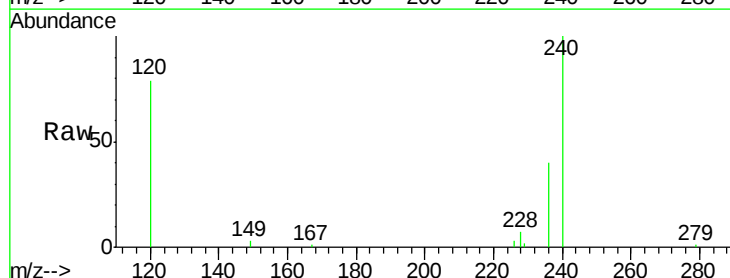
Tgt Ion:228 Resp: 924

Ion Ratio Lower Upper

228 100

226 46.6 21.9 32.9#

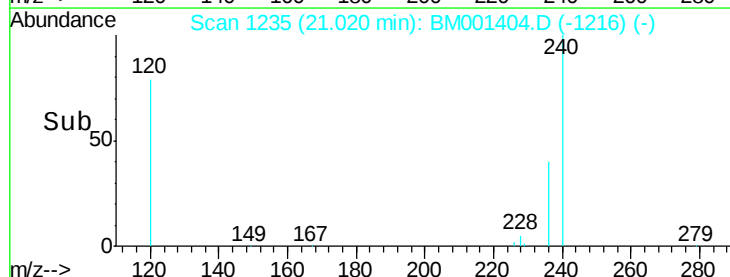
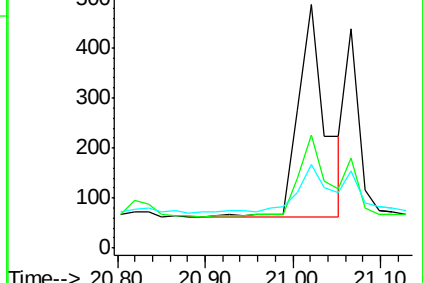
229 34.5 15.1 22.7#

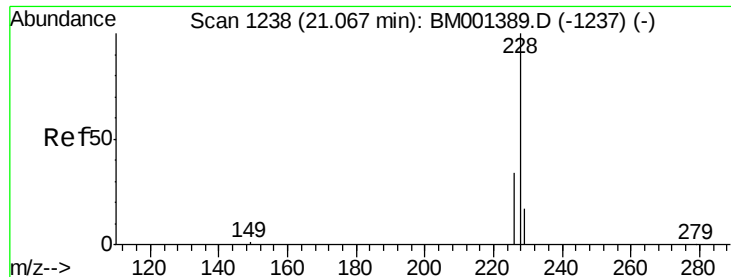


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Chrysene

Concen: 0.03 ng m

RT: 21.07 min Scan# 1238

Delta R.T. 0.00 min

Lab File: BM001404.D

Acq: 23 May 2015 05:13

Instrument :

BNA_M

ClientSampleId :

RAV-GT-111

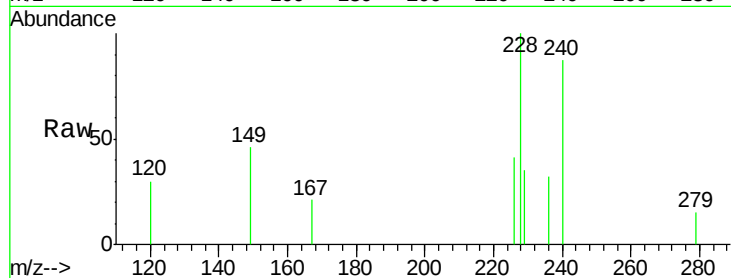
Tgt Ion:228 Resp: 420

Ion Ratio Lower Upper

228 100

226 41.0 27.6 41.4

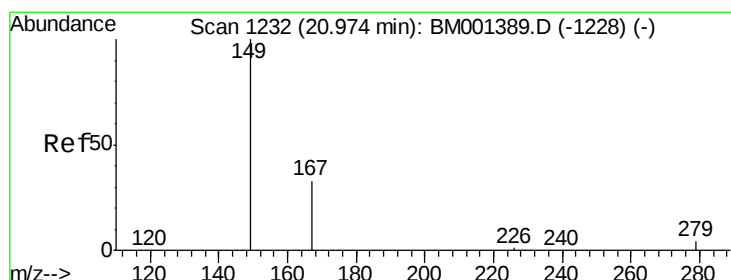
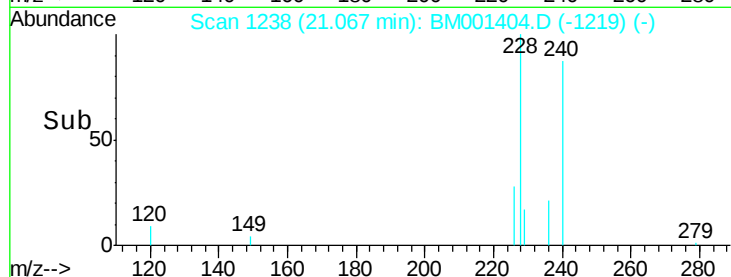
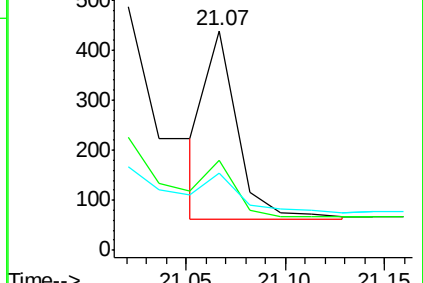
229 34.9 13.6 20.4#



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: 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

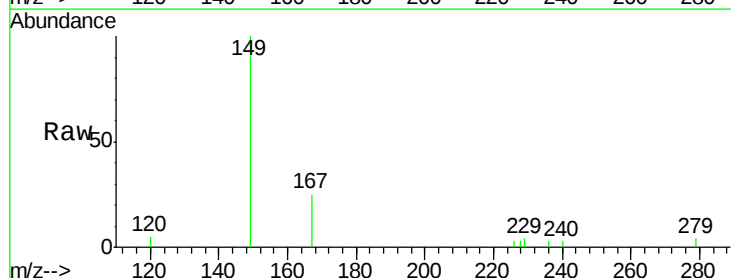
Tgt Ion:149 Resp: 2313

Ion Ratio Lower Upper

149 100

167 22.5 21.0 31.6

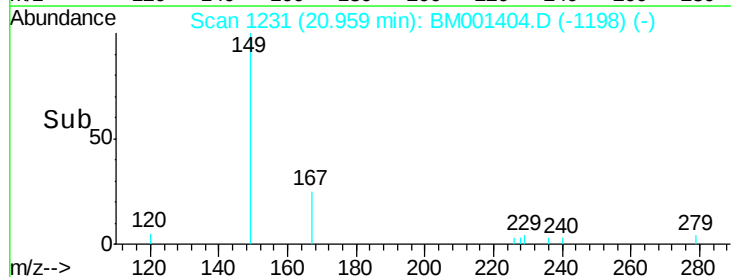
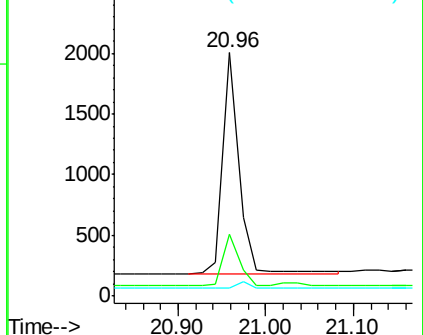
279 2.5 2.2 3.2

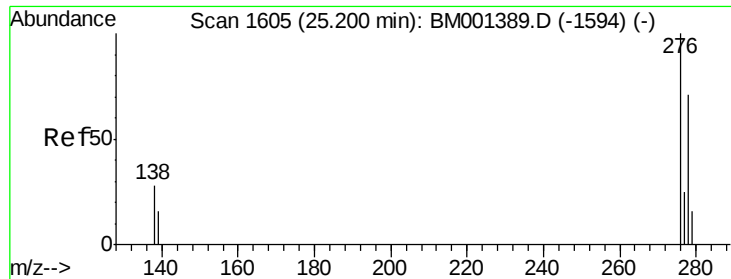


Abundance Ion 149.00 (148.70 to 149.70): E

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: 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

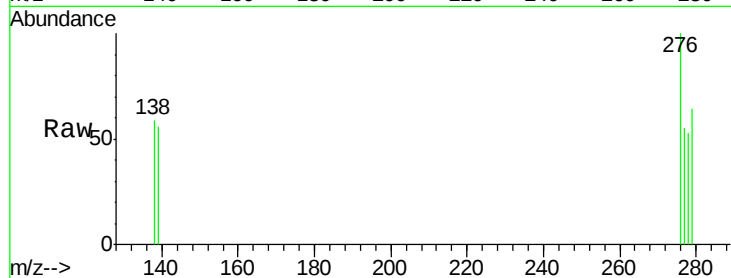
Tgt Ion:276 Resp: 250

Ion Ratio Lower Upper

276 100

138 28.4 23.4 35.0

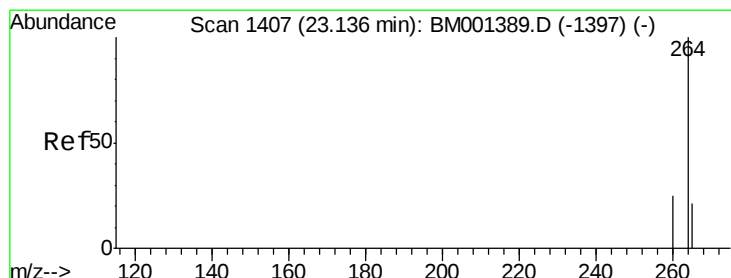
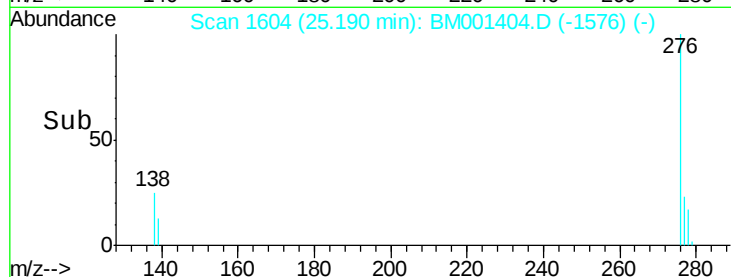
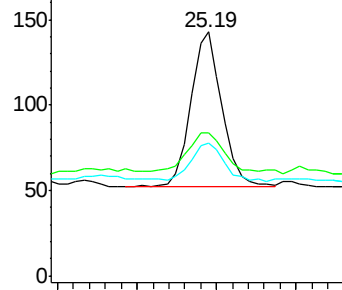
277 26.8 19.5 29.3



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

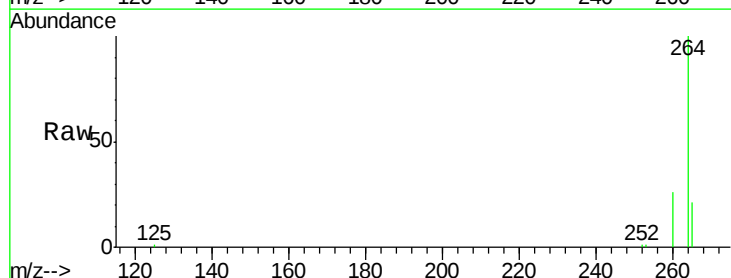
Tgt Ion:264 Resp: 42951

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

