

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101515\
 Data File : BM002922.D
 Acq On : 15 Oct 2015 19:57
 Operator : UM/IZ
 Sample : G4018-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-102

Quant Time: Oct 16 07:01:05 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM101515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 16 06:59:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	88258	5.00	ng	0.00
7) Naphthalene-d8	11.51	136	368339	5.00	ng	0.00
13) Acenaphthene-d10	15.23	164	186037	5.00	ng	0.00
19) Phenanthrene-d10	17.95	188	474865	5.00	ng	-0.01
26) Chrysene-d12	22.03	240	400438	5.00	ng	-0.01
35) Perylene-d12	24.60	264	339679	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	6.12	112	43407	2.63	ng	-0.03
5) Phenol-d6	7.79	99	35236	1.67	ng	-0.02
8) Nitrobenzene-d5	9.86	82	62959	3.57	ng	0.00
14) 2,4,6-Tribromophenol	16.71	330	61430	8.43	ng	0.00
15) 2-Fluorobiphenyl	13.87	172	236688	3.97	ng	0.00
29) Terphenyl-d14	20.48	244	267523	4.46	ng	-0.01

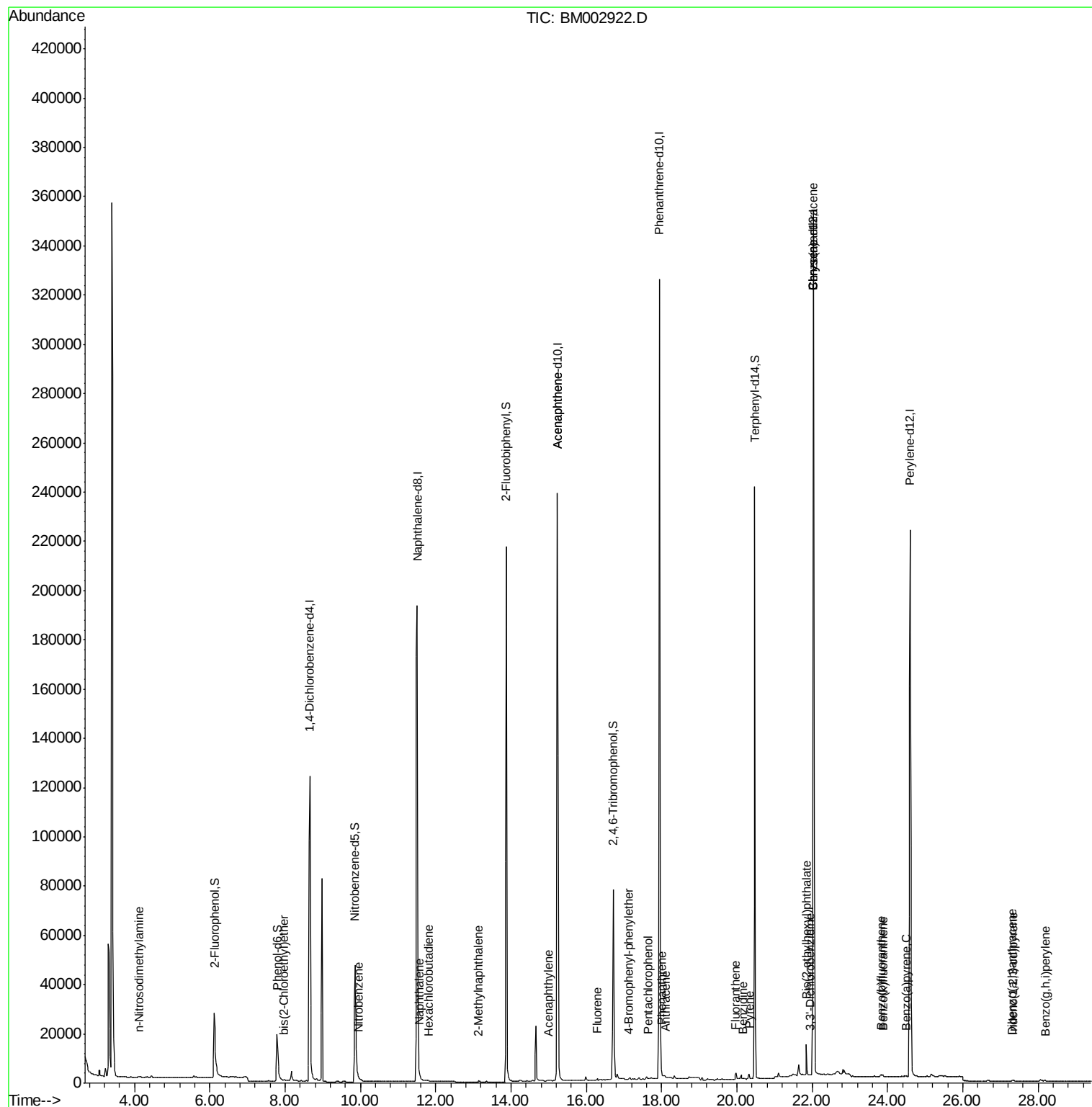
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	4.11	42	142	0.02	ng	# 1
6) bis(2-Chloroethyl)ether	7.97	93	507	0.03	ng	# 31
9) Nitrobenzene	9.95	77	44	0.00	ng	# 35
10) Naphthalene	11.56	128	2083	0.03	ng	# 83
11) Hexachlorobutadiene	11.80	225	40	0.00	ng	# 88
12) 2-Methylnaphthalene	13.14	142	652	0.01	ng	# 78
16) Acenaphthylene	14.98	152	364	0.00	ng	# 71
17) Acenaphthene	15.23	154	803	0.01	ng	# 100
18) Fluorene	16.29	166	803	0.01	ng	# 96
20) 4-Bromophenyl-phenylether	17.13	248	885	0.04	ng	# 44
21) Hexachlorobenzene	17.28	284	141	Below Cal		# 74
22) Pentachlorophenol	17.64	266	67	0.27	ng	# 79
23) Phenanthrene	18.00	178	3315	0.03	ng	# 85
24) Anthracene	18.10	178	1276	0.01	ng	# 82
25) Fluoranthene	19.96	202	2167	0.02	ng	# 59
27) Benzidine	20.15	184	244	0.16	ng	# 1
28) Pyrene	20.32	202	2198	0.02	ng	# 91
30) Benzo(a)anthracene	22.03	228	3846	0.03	ng	# 78
31) 3,3'-Dichlorobenzidine	21.95	252	224	0.01	ng	# 70
32) Chrysene	22.03	228	3756	0.03	ng	# 78
33) Bis(2-ethylhexyl)phthalate	21.85	149	14634	0.45	ng	# 94
34) Indeno(1,2,3-cd)pyrene	27.34	276	821	0.01	ng	# 43
36) Benzo(b)fluoranthene	23.83	252	1319	0.01	ng	# 1
37) Benzo(k)fluoranthene	23.87	252	902	0.01	ng	# 1
38) Benzo(a)pyrene	24.50	252	759	0.01	ng	# 1
39) Dibenzo(a,h)anthracene	27.32	278	563	0.01	ng	# 1
40) Benzo(g,h,i)perylene	28.19	276	831	0.01	ng	# 21

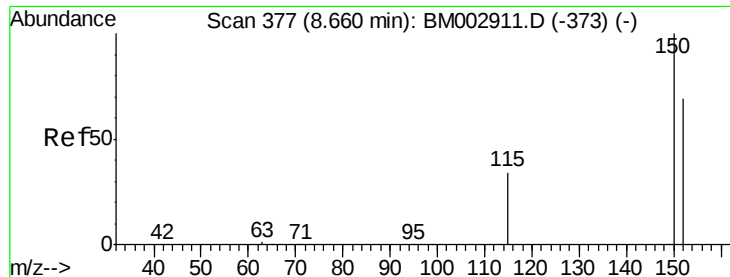
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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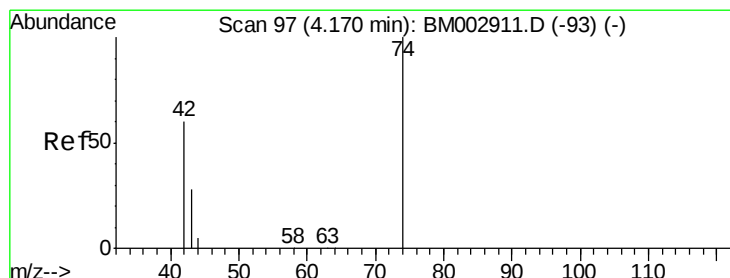
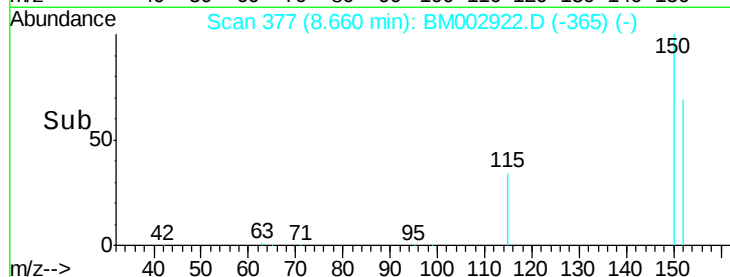
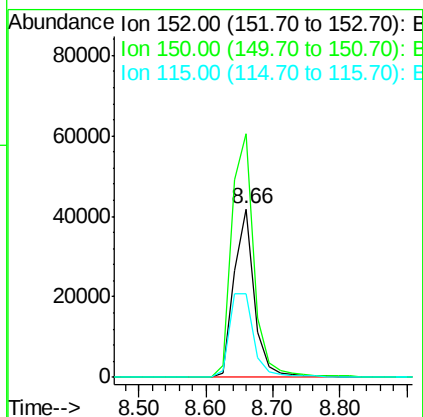
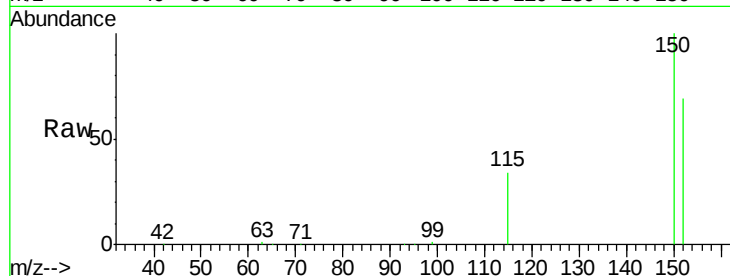


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.66 min Scan# 377
Delta R.T. 0.00 min
Lab File: BM002922.D
Acq: 15 Oct 2015 19:57

Instrument :
BNA_M
ClientSampleId :
RAV-GT-102

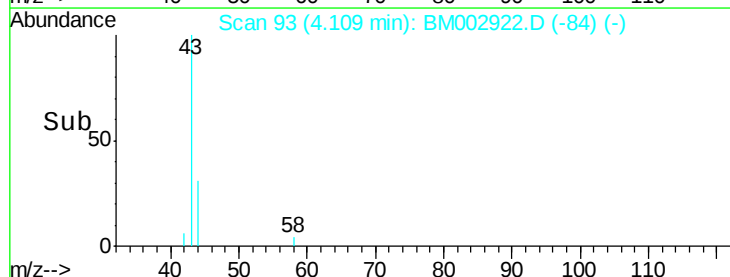
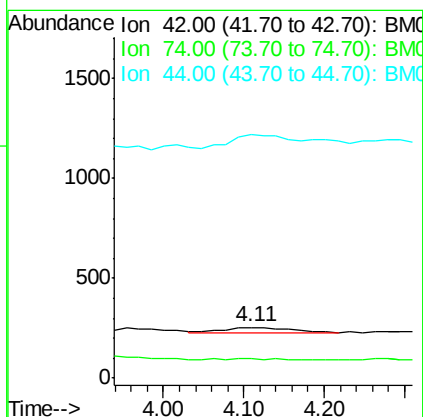
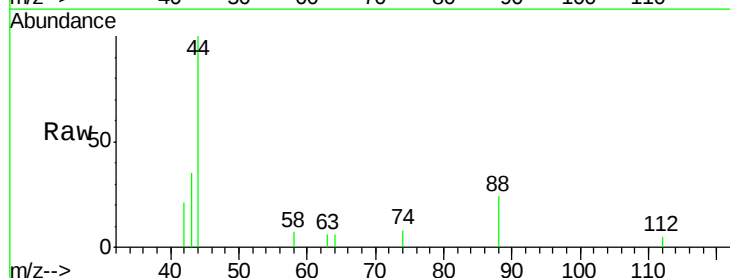
Tot Ion:152 Resp: 88258
Ion Ratio Lower Upper
152 100
150 144.5 113.0 169.6
115 49.3 37.9 56.9

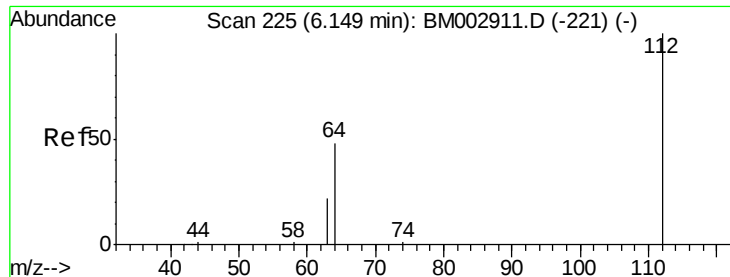


#3

n-Nitrosodimethylamine
Concen: 0.02 ng
RT: 4.11 min Scan# 93
Delta R.T. -0.06 min
Lab File: BM002922.D
Acq: 15 Oct 2015 19:57

Tgt Ion: 42 Resp: 142
Ion Ratio Lower Upper
42 100
74 0.0 119.7 179.5#
44 238.7 9.8 14.6#





#4

2-Fluorophenol

Concen: 2.63 ng

RT: 6.12 min Scan# 223

Delta R.T. -0.03 min

Lab File: BM002922.D

Acq: 15 Oct 2015 19:57

Instrument :

BNA_M

ClientSampleId :

RAV-GT-102

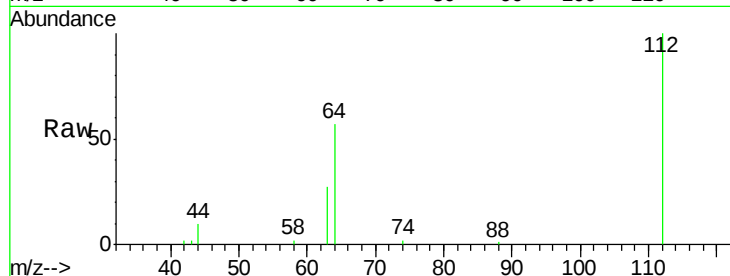
Tot Ion:112 Resp: 43407

Ion Ratio Lower Upper

112 100

64 51.8 42.0 63.0

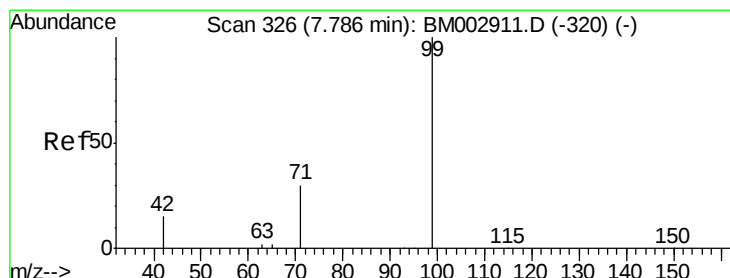
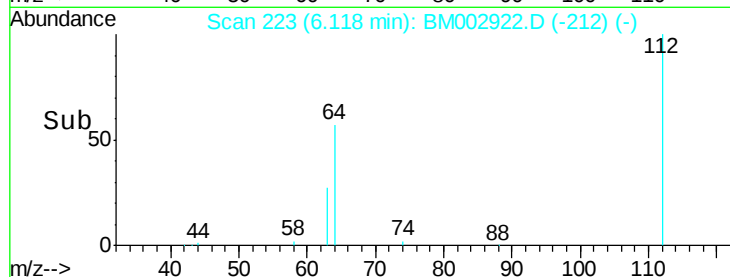
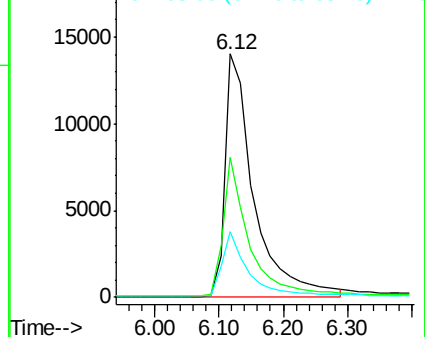
63 24.4 20.0 30.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#5

Phenol-d6

Concen: 1.67 ng

RT: 7.79 min Scan# 326

Delta R.T. -0.02 min

Lab File: BM002922.D

Acq: 15 Oct 2015 19:57

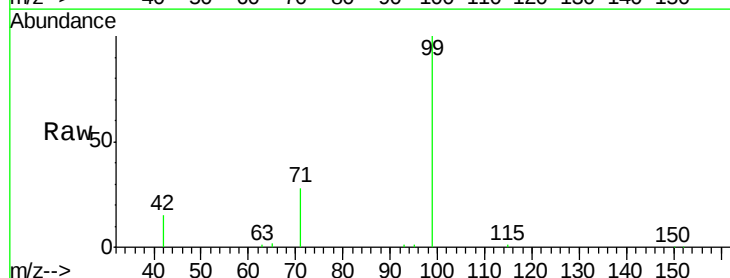
Tgt Ion: 99 Resp: 35236

Ion Ratio Lower Upper

99 100

42 15.6 12.4 18.6

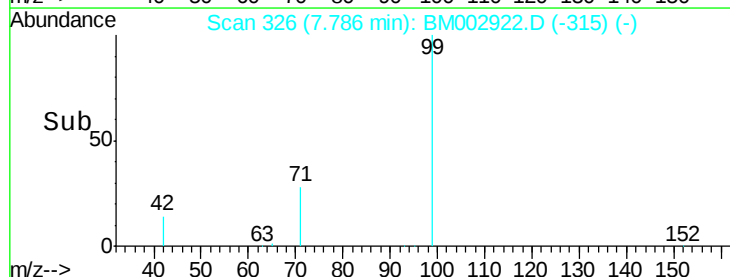
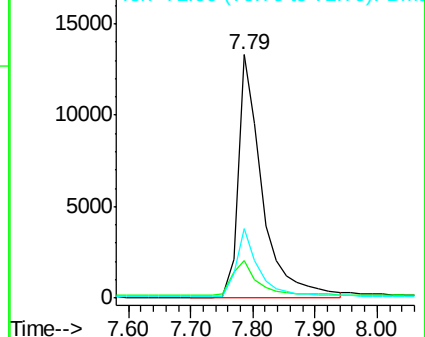
71 26.8 21.4 32.0

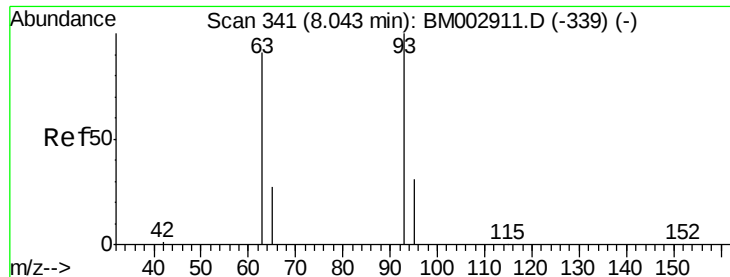


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#6

bis(2-Chloroethyl)ether

Concen: 0.03 ng

RT: 7.97 min Scan# 337

Delta R.T. -0.09 min

Lab File: BM002922.D

Acq: 15 Oct 2015 19:57

Instrument :

BNA_M

ClientSampleId :

RAV-GT-102

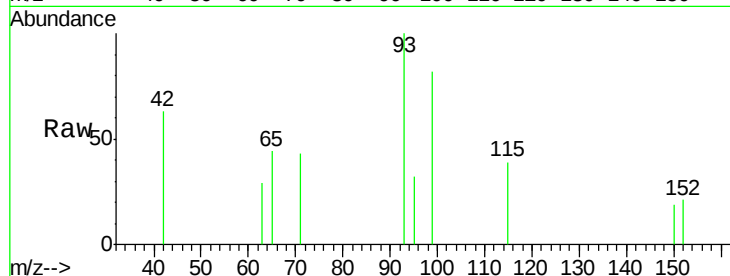
Tot Ion: 93 Resp: 507

Ion Ratio Lower Upper

93 100

63 6.3 52.9 79.3#

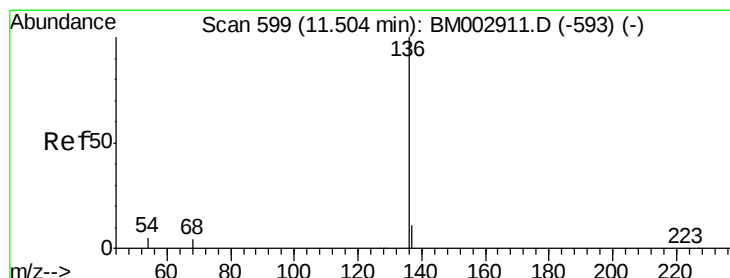
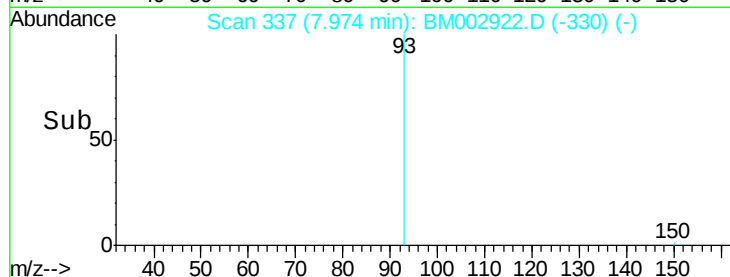
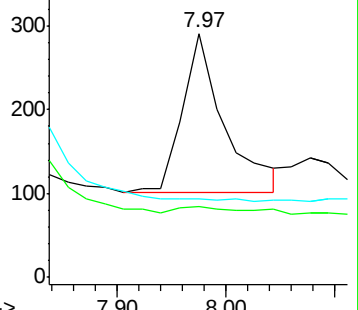
95 0.0 25.2 37.8#



Abundance Ion 93.00 (92.70 to 93.70): BM002911.D (-339) (-)

Ion 63.00 (62.70 to 63.70): BM002911.D (-339) (-)

Ion 95.00 (94.70 to 95.70): BM002911.D (-339) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 11.51 min Scan# 600

Delta R.T. 0.00 min

Lab File: BM002922.D

Acq: 15 Oct 2015 19:57

Tgt Ion: 136 Resp: 368339

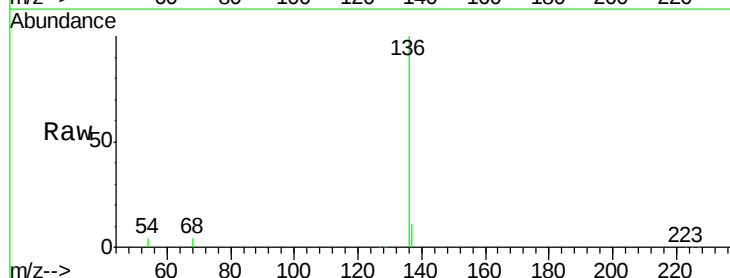
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 4.2 3.5 5.3

68 4.0 3.3 4.9

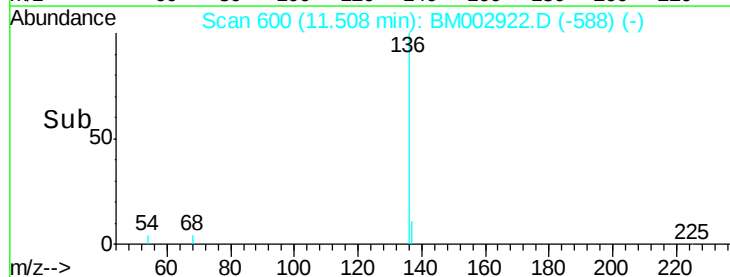
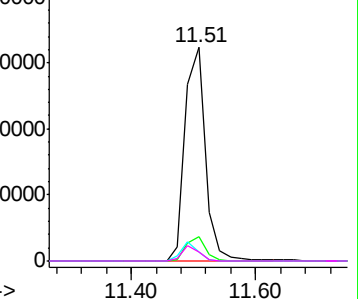


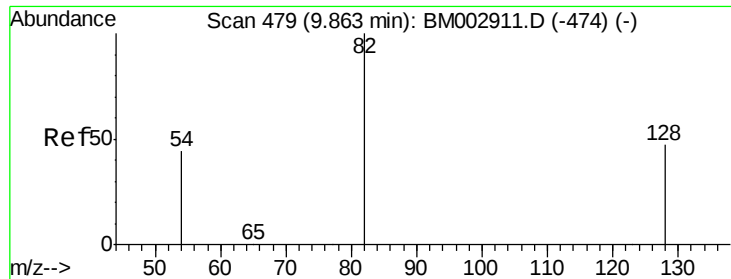
Abundance Ion 136.00 (135.70 to 136.70): BM002911.D (-593) (-)

Ion 137.00 (136.70 to 137.70): BM002911.D (-593) (-)

Ion 54.00 (53.70 to 54.70): BM002911.D (-593) (-)

Ion 68.00 (67.70 to 68.70): BM002911.D (-593) (-)





#8

Nitrobenzene-d5

Concen: 3.57 ng

RT: 9.86 min Scan# 479

Delta R.T. -0.01 min

Lab File: BM002922.D

Acq: 15 Oct 2015 19:57

Instrument :

BNA_M

ClientSampleId :

RAV-GT-102

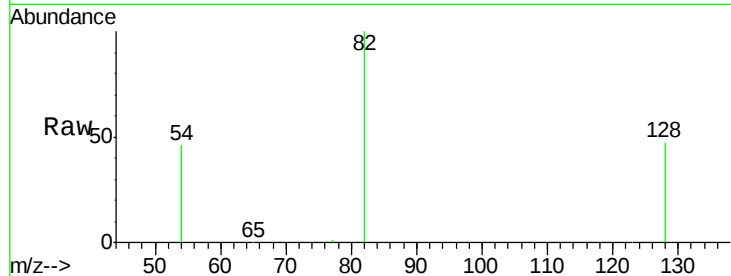
Tot Ion: 82 Resp: 62959

Ion Ratio Lower Upper

82 100

128 46.9 34.1 51.1

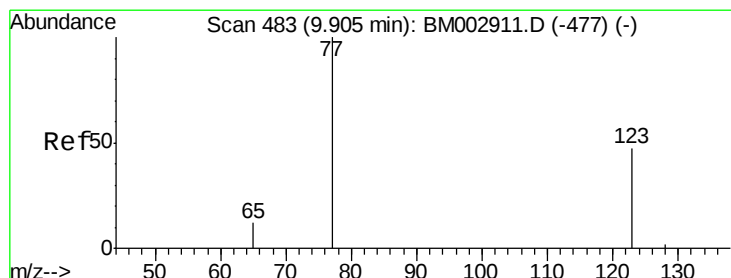
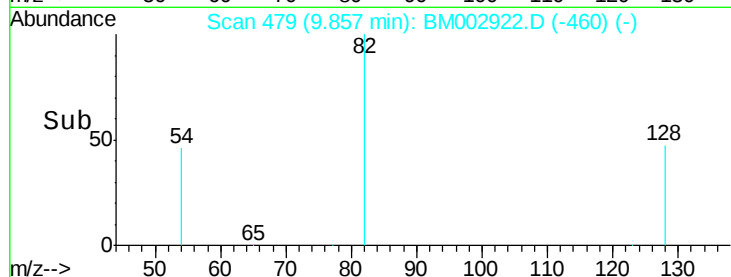
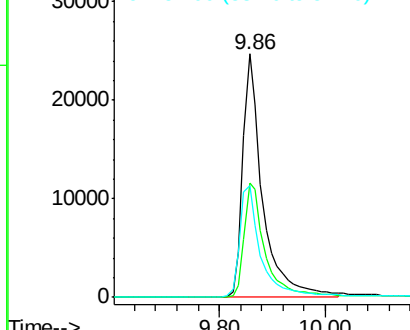
54 45.8 42.6 63.8



Abundance Ion 82.00 (81.70 to 82.70): BM002911.D (-474) (-)

Ion 128.00 (127.70 to 128.70): BM002911.D (-474) (-)

Ion 54.00 (53.70 to 54.70): BM002911.D (-474) (-)



#9

Nitrobenzene

Concen: 0.00 ng

RT: 9.95 min Scan# 488

Delta R.T. 0.03 min

Lab File: BM002922.D

Acq: 15 Oct 2015 19:57

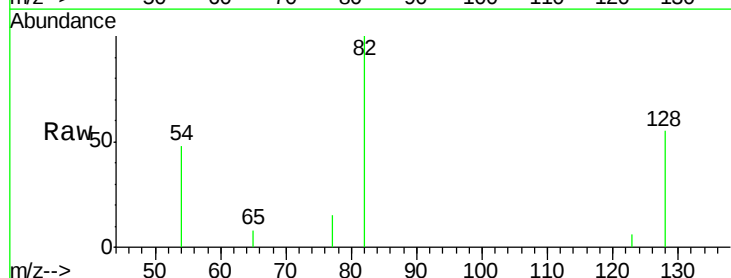
Tgt Ion: 77 Resp: 44

Ion Ratio Lower Upper

77 100

123 0.0 41.0 61.4#

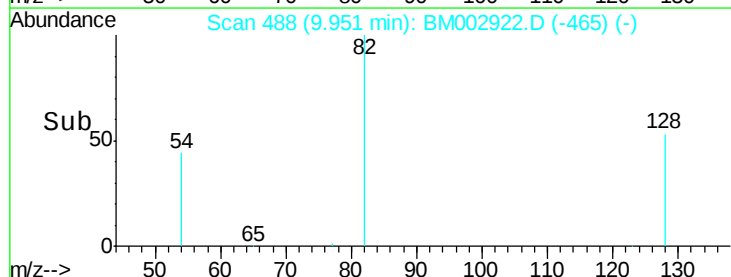
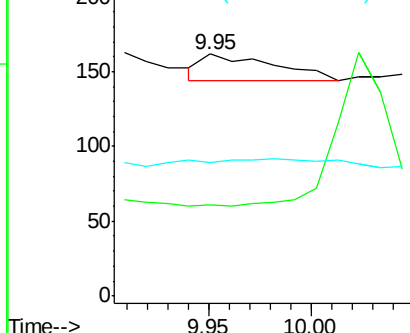
65 0.0 9.7 14.5#

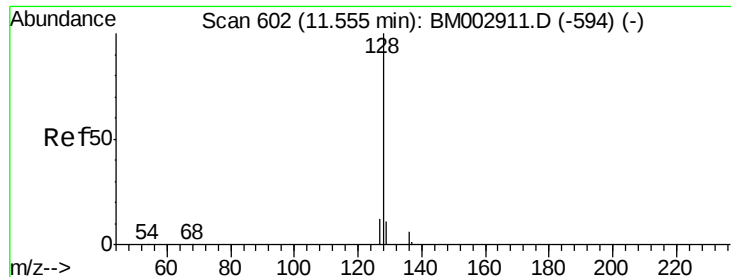


Abundance Ion 77.00 (76.70 to 77.70): BM002911.D (-477) (-)

Ion 123.00 (122.70 to 123.70): BM002911.D (-477) (-)

Ion 65.00 (64.70 to 65.70): BM002911.D (-477) (-)

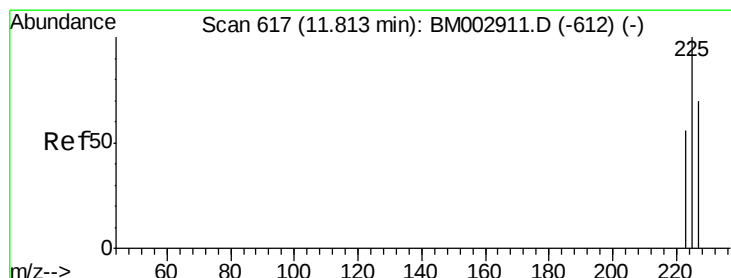
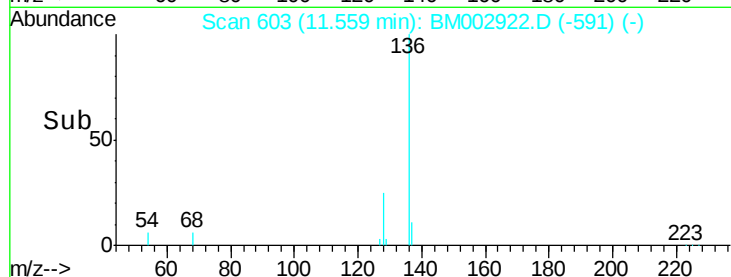
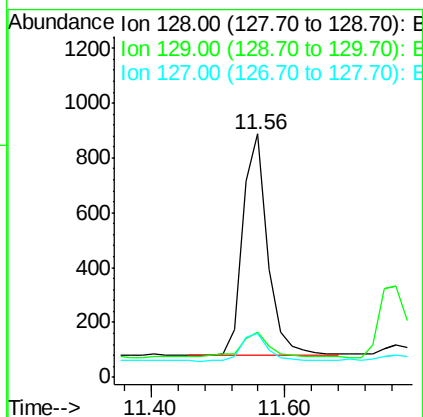
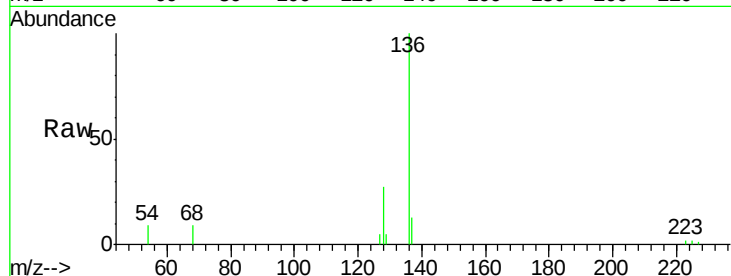




#10
Naphthalene
Concen: 0.03 ng
RT: 11.56 min Scan# 603
Delta R.T. 0.00 min
Lab File: BM002922.D
Acq: 15 Oct 2015 19:57

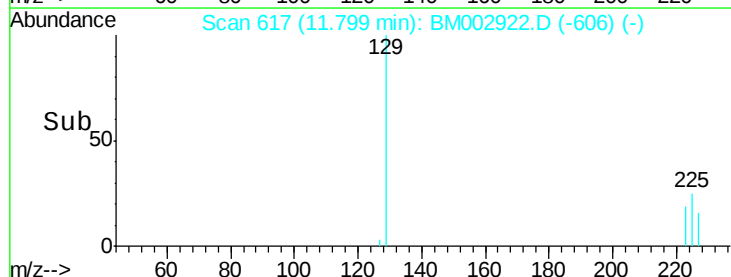
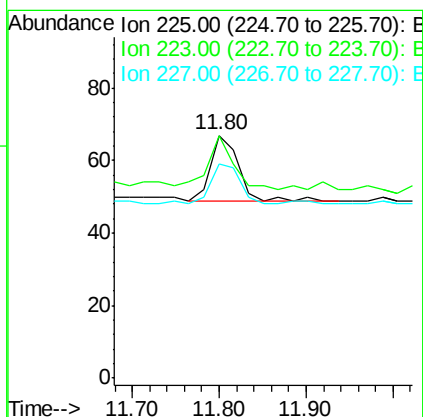
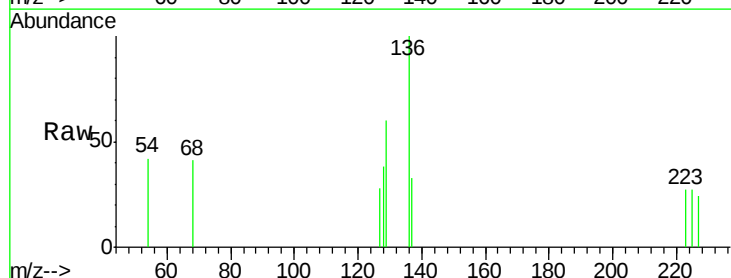
Instrument :
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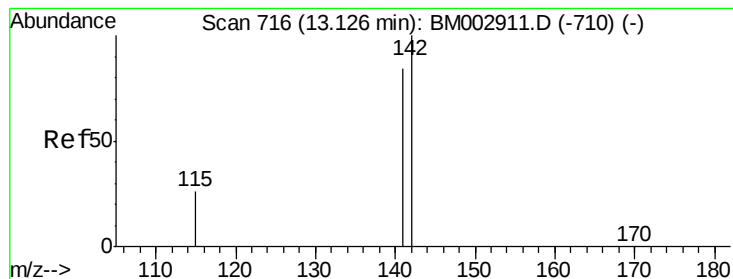
Tot Ion:128 Resp: 2083
Ion Ratio Lower Upper
128 100
129 18.7 9.4 14.2#
127 17.9 9.6 14.4#



#11
Hexachlorobutadiene
Concen: 0.00 ng
RT: 11.80 min Scan# 617
Delta R.T. -0.01 min
Lab File: BM002922.D
Acq: 15 Oct 2015 19:57

Tgt Ion:225 Resp: 40
Ion Ratio Lower Upper
225 100
223 77.5 50.1 75.1#
227 67.5 51.2 76.8





#12

2-Methylnaphthalene

Concen: 0.01 ng

RT: 13.14 min Scan# 719

Delta R.T. 0.02 min

Lab File: BM002922.D

Acq: 15 Oct 2015 19:57

Instrument :

BNA_M

ClientSampleId :

RAV-GT-102

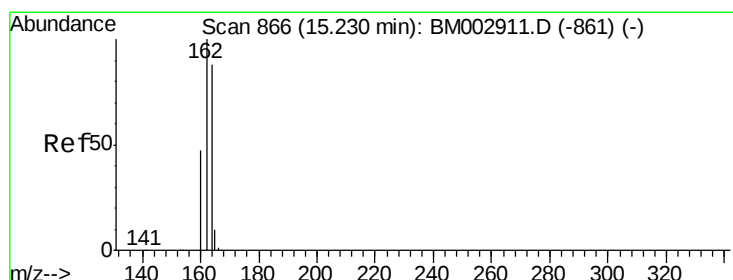
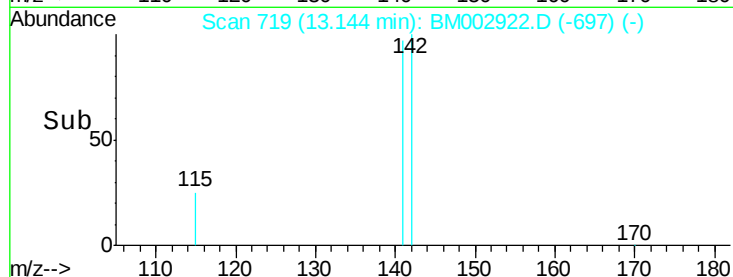
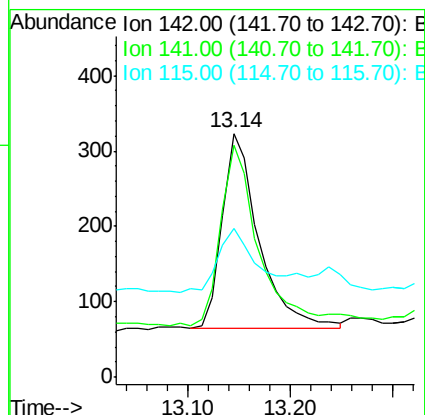
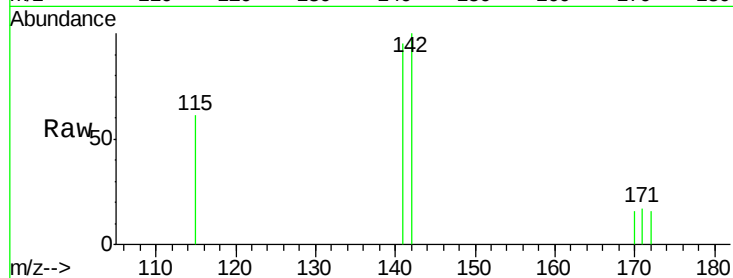
Tot Ion:142 Resp: 652

Ion Ratio Lower Upper

142 100

141 95.0 69.4 104.0

115 61.0 22.7 34.1#



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 15.23 min Scan# 867

Delta R.T. -0.01 min

Lab File: BM002922.D

Acq: 15 Oct 2015 19:57

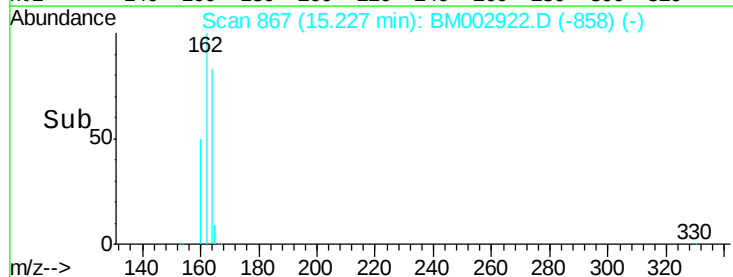
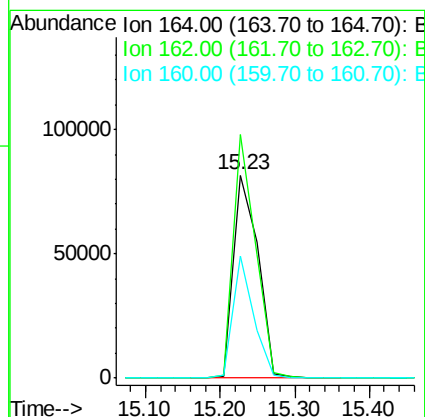
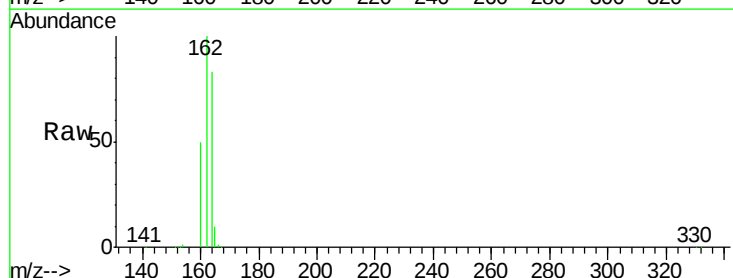
Tgt Ion:164 Resp: 186037

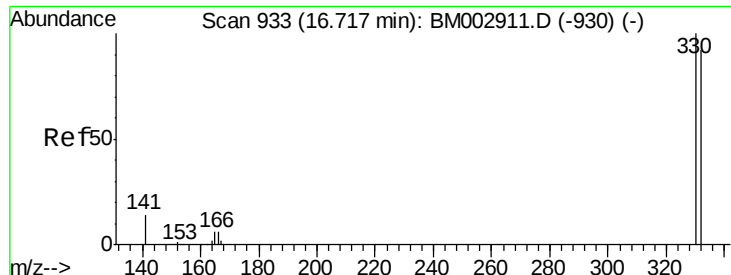
Ion Ratio Lower Upper

164 100

162 119.9 79.6 119.4#

160 60.0 33.1 49.7#

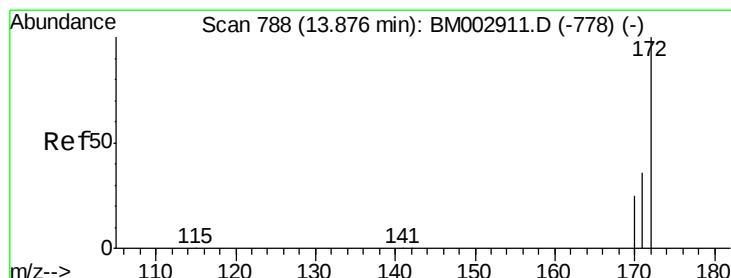
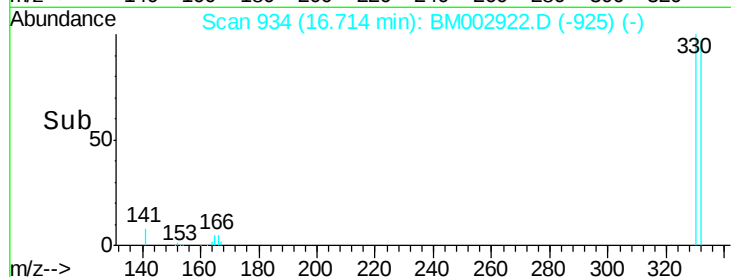
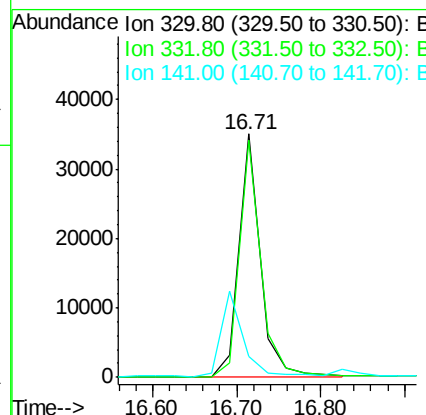
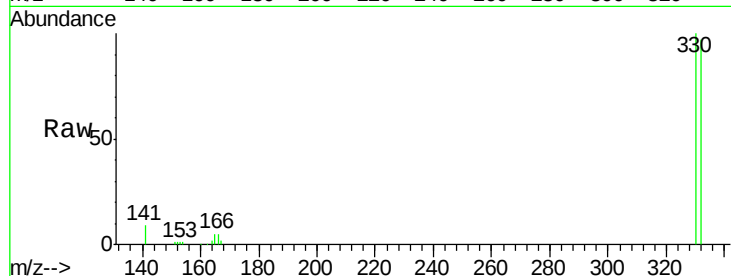




#14
 2,4,6-Tribromophenol
 Concen: 8.43 ng
 RT: 16.71 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: BM002922.D
 Acq: 15 Oct 2015 19:57

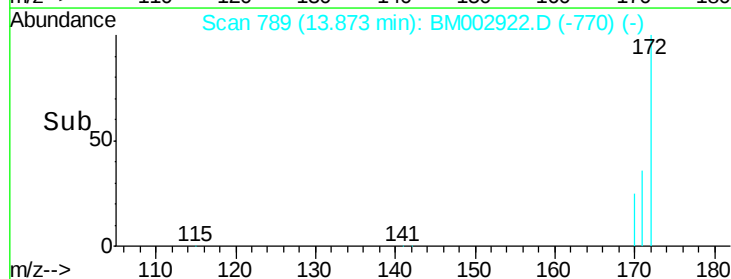
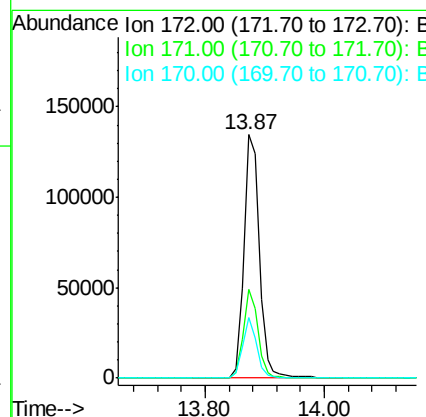
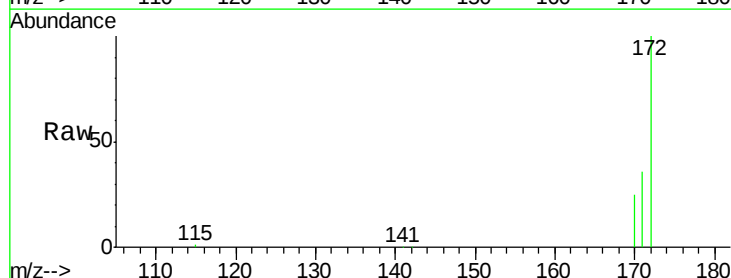
Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-102

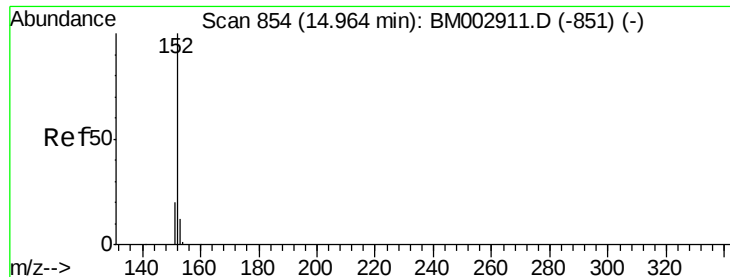
Tot Ion:330 Resp: 61430
 Ion Ratio Lower Upper
 330 100
 332 97.3 76.6 115.0
 141 0.0 0.0 0.0



#15
 2-Fluorobiphenyl
 Concen: 3.97 ng
 RT: 13.87 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BM002922.D
 Acq: 15 Oct 2015 19:57

Tgt Ion:172 Resp: 236688
 Ion Ratio Lower Upper
 172 100
 171 36.4 26.1 39.1
 170 24.7 15.7 23.5#

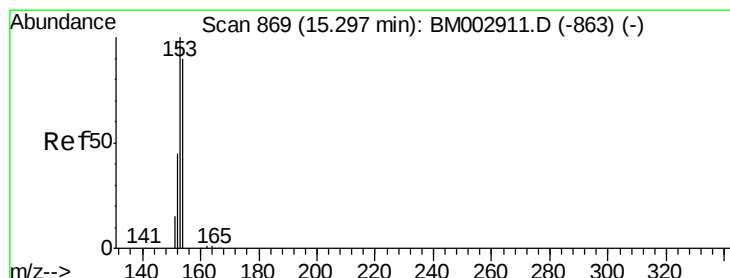
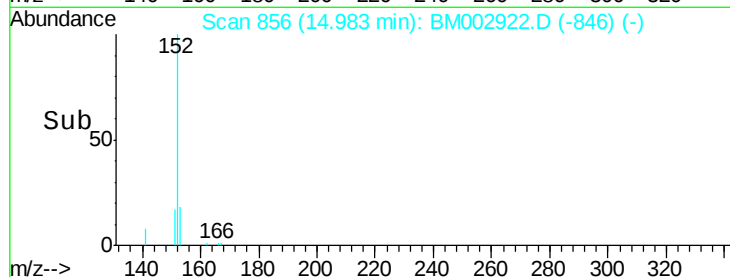
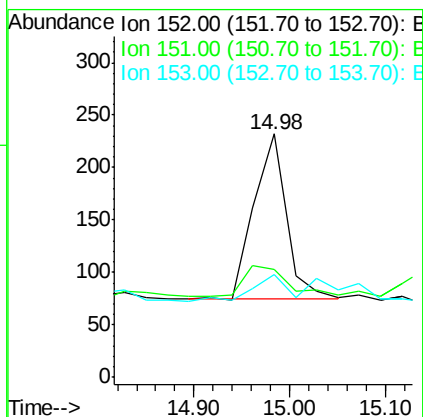
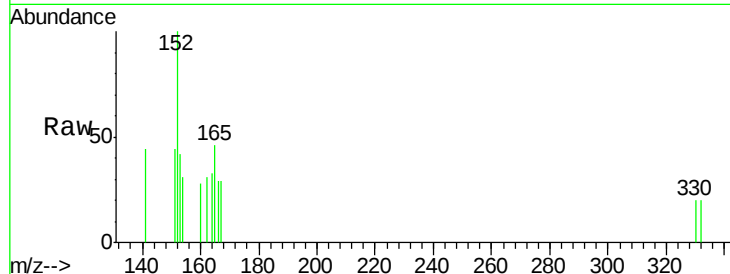




#16
Acenaphthylene
Concen: 0.00 ng
RT: 14.98 min Scan# 856
Delta R.T. 0.02 min
Lab File: BM002922.D
Acq: 15 Oct 2015 19:57

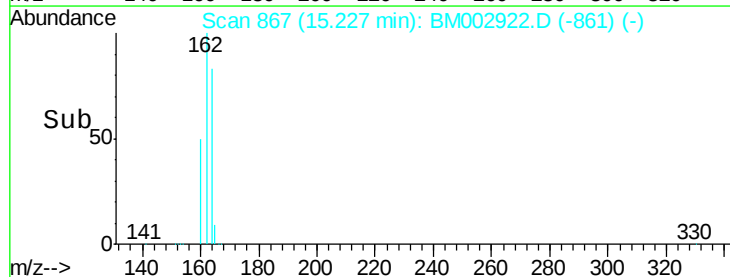
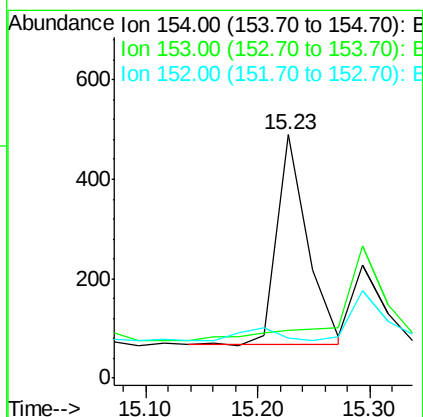
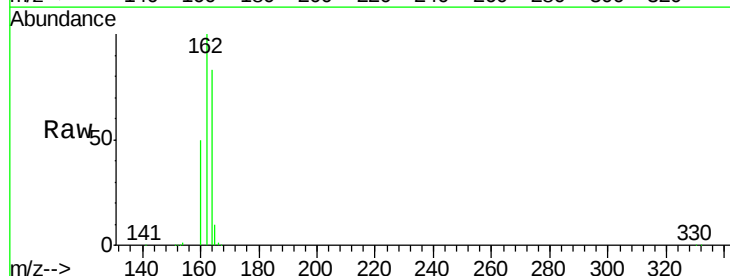
Instrument :
BNA_M
ClientSampled :
RAV-GT-102

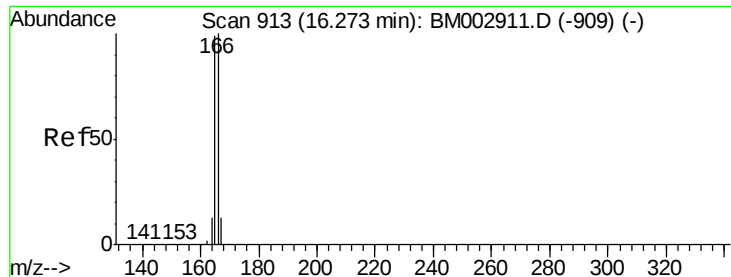
Tot Ion:152 Resp: 364
Ion Ratio Lower Upper
152 100
151 0.0 15.3 22.9#
153 17.3 10.5 15.7#



#17
Acenaphthene
Concen: 0.01 ng
RT: 15.23 min Scan# 867
Delta R.T. -0.07 min
Lab File: BM002922.D
Acq: 15 Oct 2015 19:57

Tgt Ion:154 Resp: 803
Ion Ratio Lower Upper
154 100
153 0.0 0.0 0.0
152 0.0 0.0 0.0

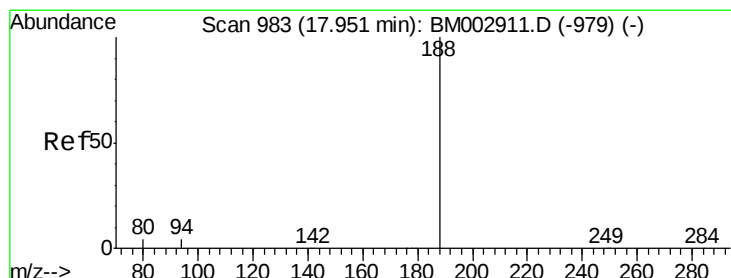
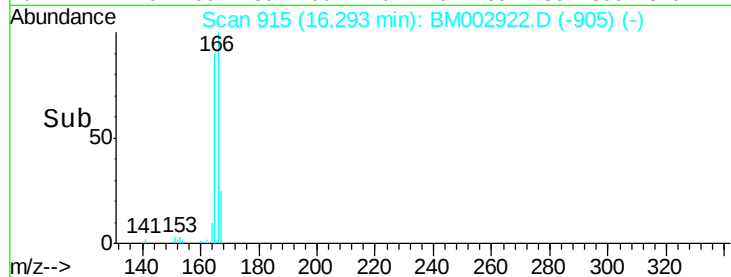
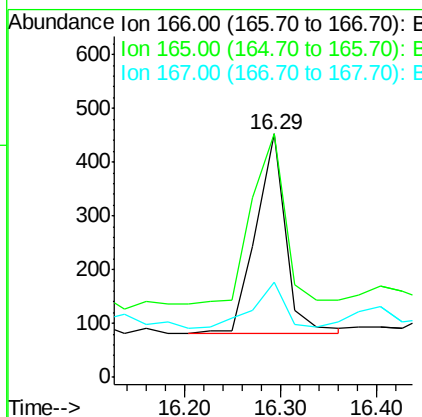
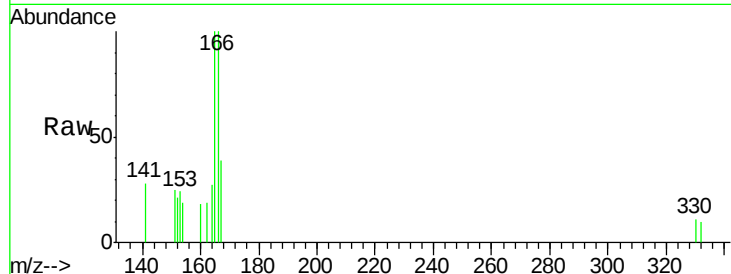




#18
Fluorene
 Concen: 0.01 ng
 RT: 16.29 min Scan# 915
 Delta R.T. 0.02 min
 Lab File: BM002922.D
 Acq: 15 Oct 2015 19:57

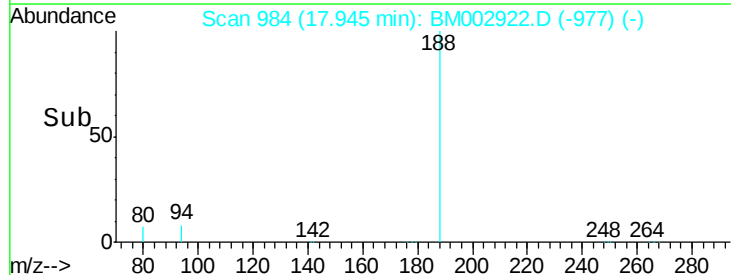
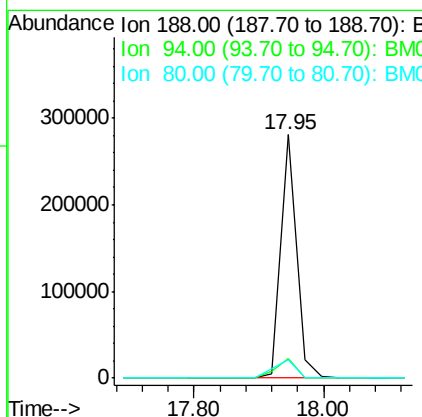
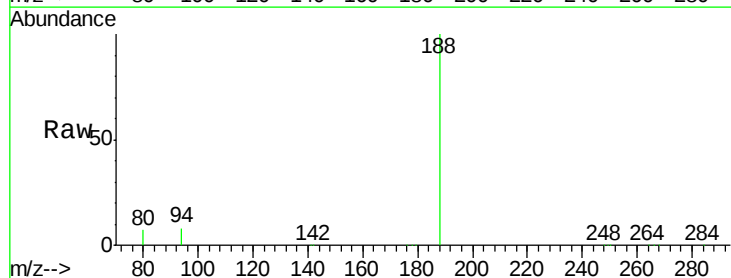
Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-102

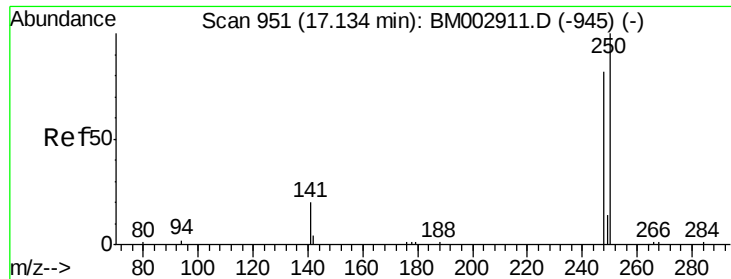
Tot Ion:166 Resp: 803
 Ion Ratio Lower Upper
 166 100
 165 97.4 77.3 115.9
 167 23.7 10.9 16.3#



#19
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.95 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: BM002922.D
 Acq: 15 Oct 2015 19:57

Tgt Ion:188 Resp: 474865
 Ion Ratio Lower Upper
 188 100
 94 8.0 15.2 22.8#
 80 7.4 15.9 23.9#

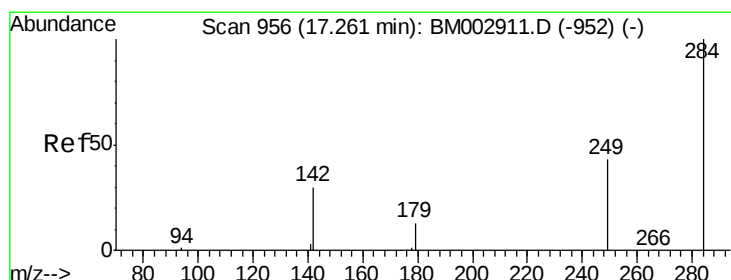
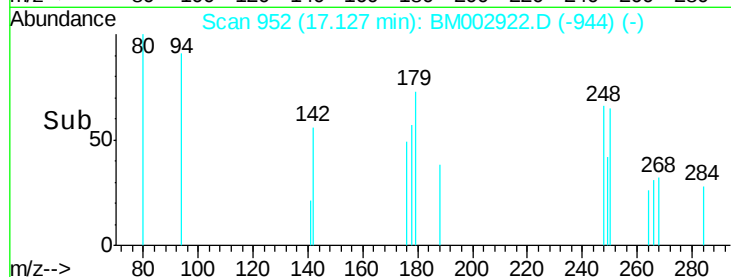
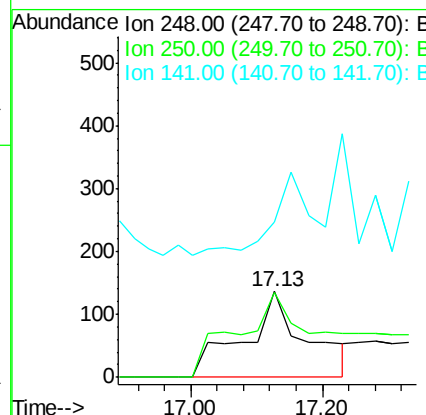
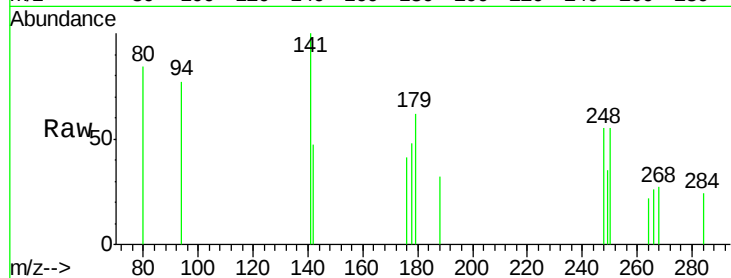




#20
4-Bromophenyl-phenylether
Concen: 0.04 ng
RT: 17.13 min Scan# 952
Delta R.T. -0.01 min
Lab File: BM002922.D
Acq: 15 Oct 2015 19:57

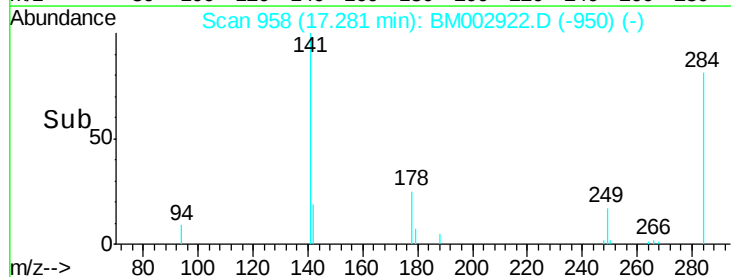
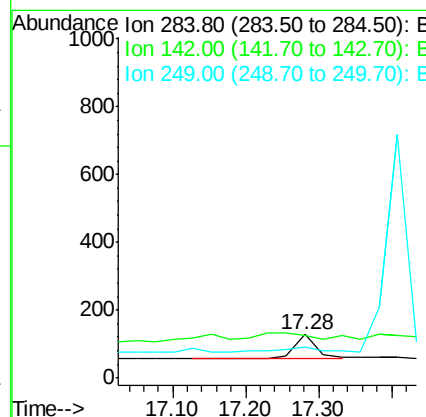
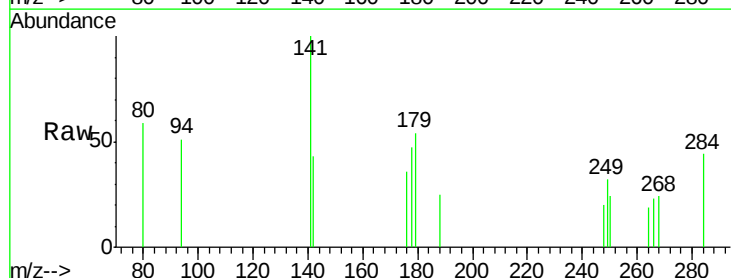
Instrument :
BNA_M
ClientSampleId :
RAV-GT-102

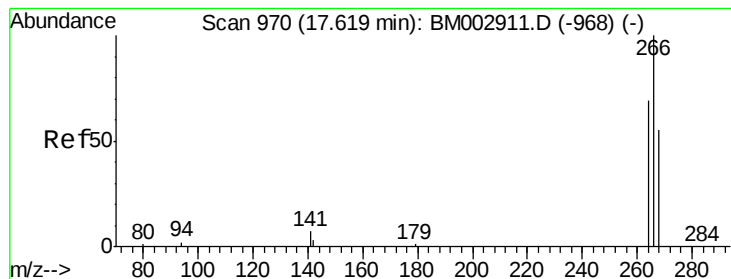
Tot Ion:248 Resp: 885
Ion Ratio Lower Upper
248 100
250 121.6 71.4 107.2#
141 0.0 54.6 82.0#



#21
Hexachlorobenzene
Concen: Below Cal
RT: 17.28 min Scan# 958
Delta R.T. 0.02 min
Lab File: BM002922.D
Acq: 15 Oct 2015 19:57

Tgt Ion:284 Resp: 141
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 39.0 20.7 31.1#





#22

Pentachlorophenol

Concen: 0.27 ng

RT: 17.64 min Scan# 972

Delta R.T. 0.02 min

Lab File: BM002922.D

Acq: 15 Oct 2015 19:57

Instrument :

BNA_M

ClientSampleId :

RAV-GT-102

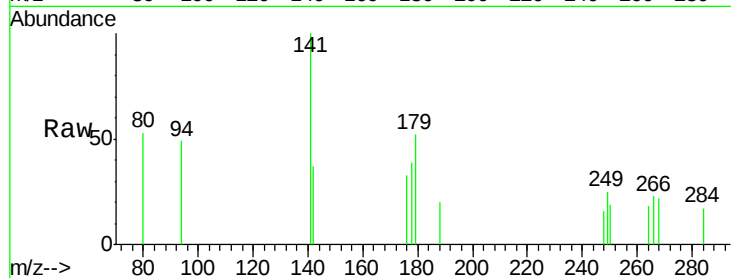
Tot Ion:266 Resp: 67

Ion Ratio Lower Upper

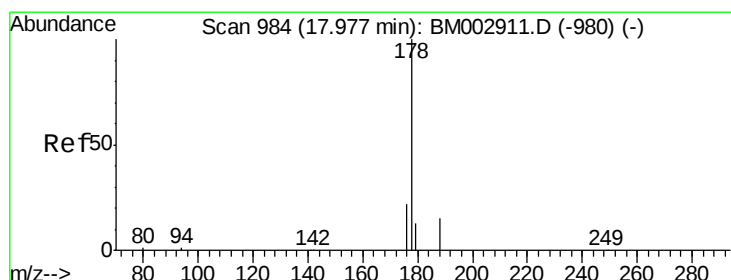
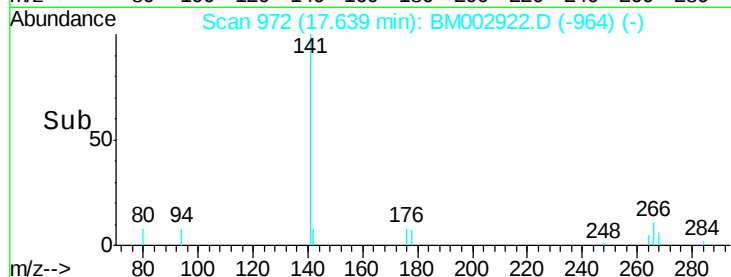
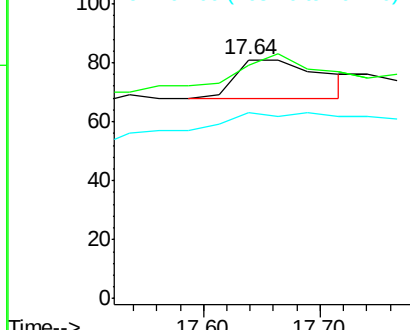
266 100

268 97.5 58.3 87.5#

264 77.8 54.2 81.2



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



#23

Phenanthrene

Concen: 0.03 ng

RT: 18.00 min Scan# 986

Delta R.T. 0.02 min

Lab File: BM002922.D

Acq: 15 Oct 2015 19:57

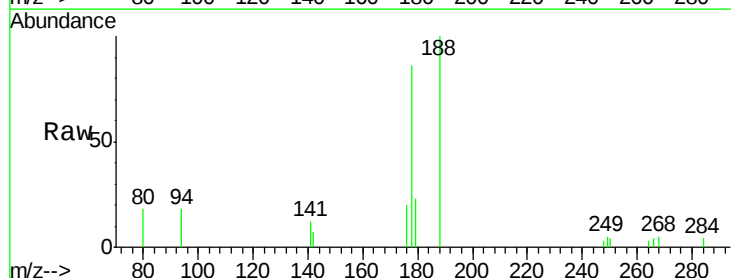
Tgt Ion:178 Resp: 3315

Ion Ratio Lower Upper

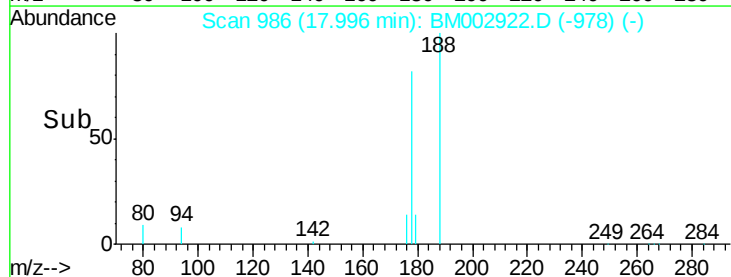
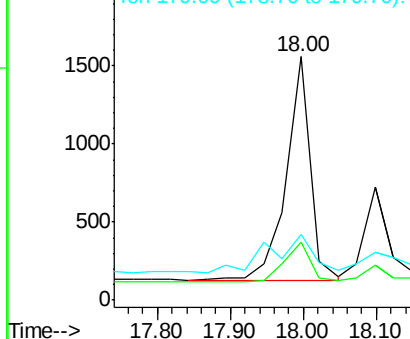
178 100

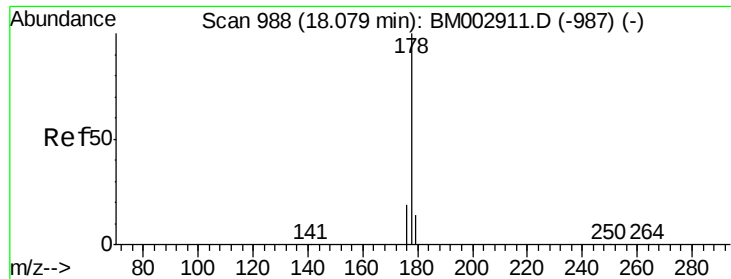
176 18.7 14.6 21.8

179 29.1 12.5 18.7#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

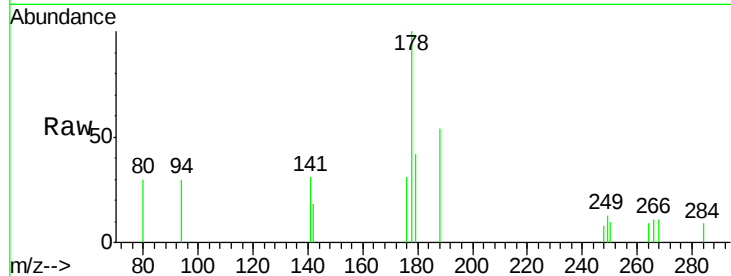




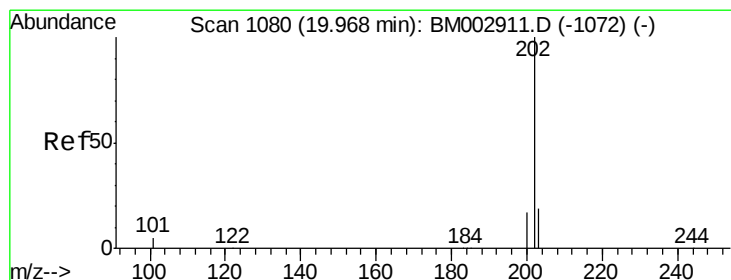
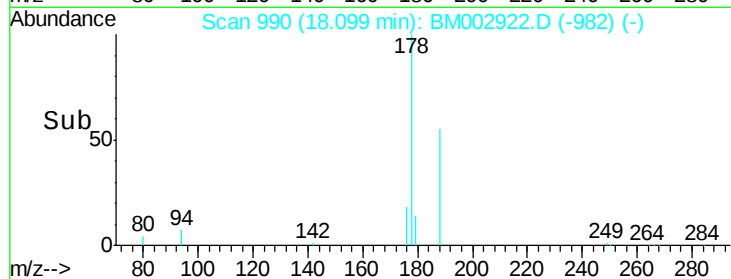
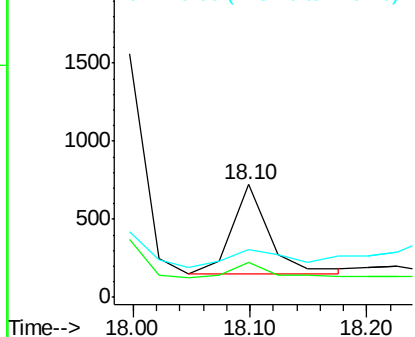
#24
 Anthracene
 Concen: 0.01 ng
 RT: 18.10 min Scan# 990
 Delta R.T. 0.02 min
 Lab File: BM002922.D
 Acq: 15 Oct 2015 19:57

Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-102

Tot Ion:178 Resp: 1276
 Ion Ratio Lower Upper
 178 100
 176 16.6 13.9 20.9
 179 30.6 12.6 18.8#

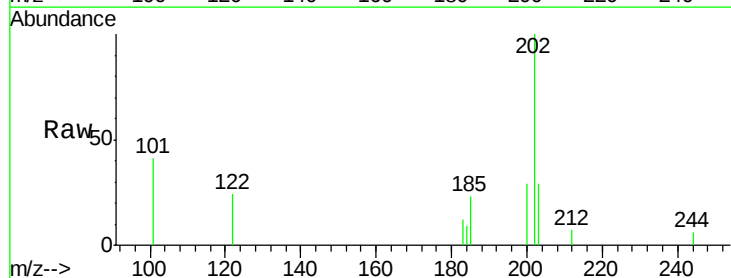


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

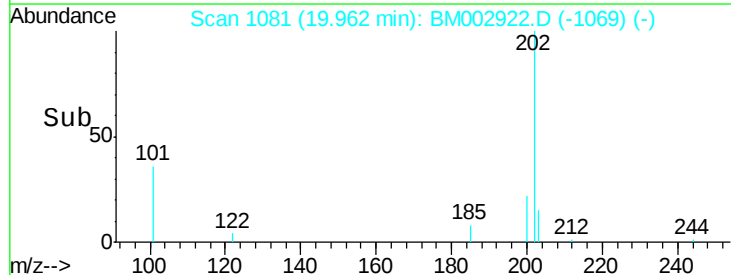
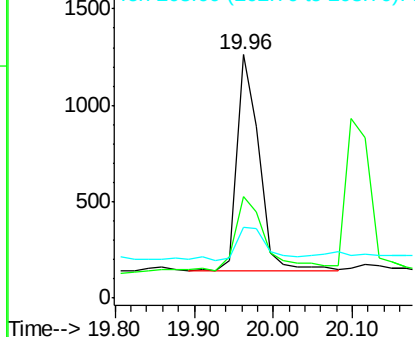


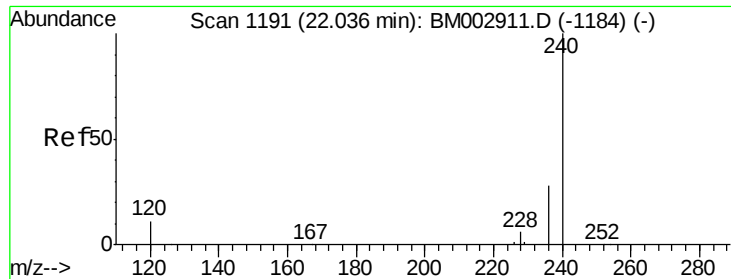
#25
 Fluoranthene
 Concen: 0.02 ng
 RT: 19.96 min Scan# 1081
 Delta R.T. 0.01 min
 Lab File: BM002922.D
 Acq: 15 Oct 2015 19:57

Tgt Ion:202 Resp: 2167
 Ion Ratio Lower Upper
 202 100
 101 46.6 11.0 16.6#
 203 21.0 13.8 20.6#



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

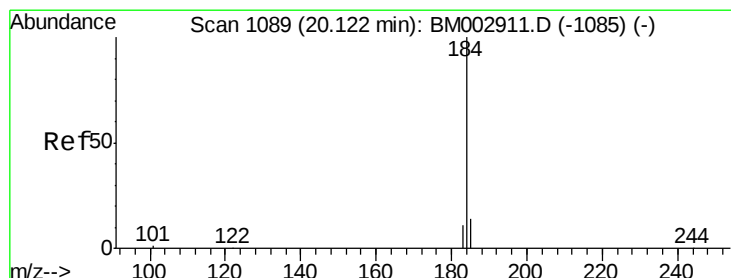
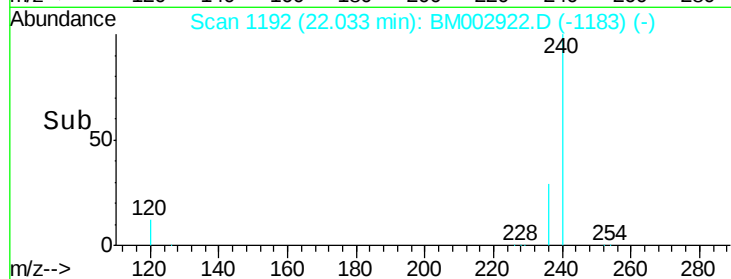
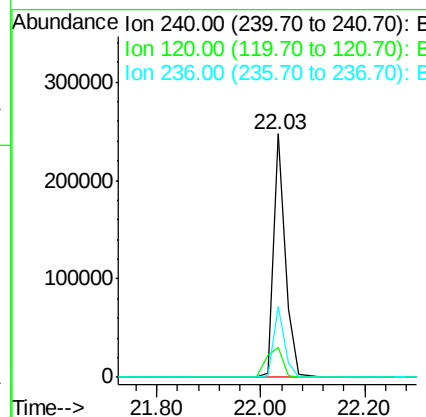
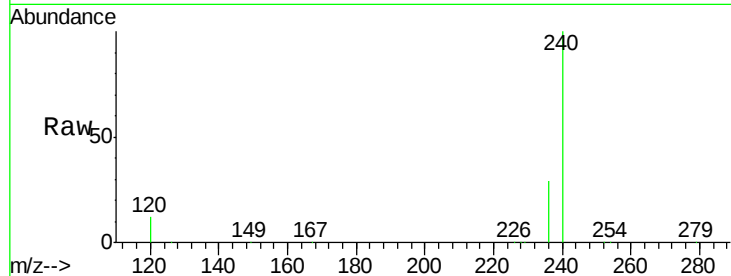




#26
Chrysene-d12
Concen: 5.00 ng
RT: 22.03 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BM002922.D
Acq: 15 Oct 2015 19:57

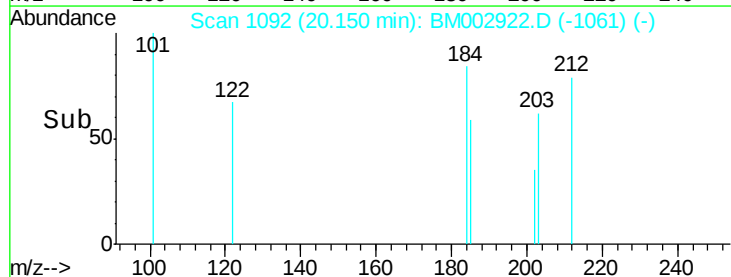
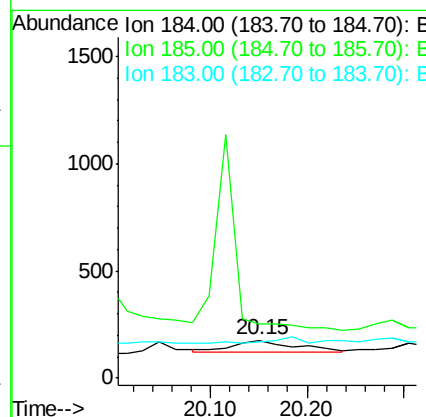
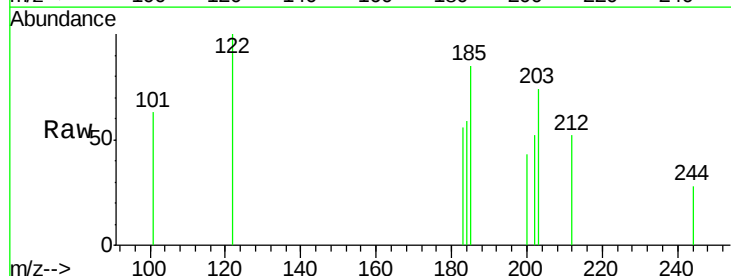
Instrument :
BNA_M
ClientSampleId :
RAV-GT-102

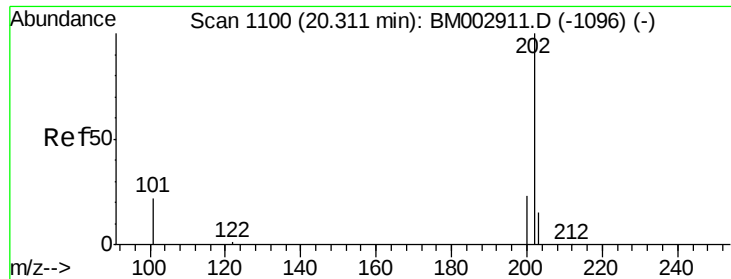
Tot Ion:240 Resp: 400438
Ion Ratio Lower Upper
240 100
120 12.5 3.3 4.9#
236 28.9 19.5 29.3



#27
Benzidine
Concen: 0.16 ng
RT: 20.15 min Scan# 1092
Delta R.T. 0.02 min
Lab File: BM002922.D
Acq: 15 Oct 2015 19:57

Tgt Ion:184 Resp: 244
Ion Ratio Lower Upper
184 100
185 143.8 12.0 18.0#
183 95.5 8.9 13.3#

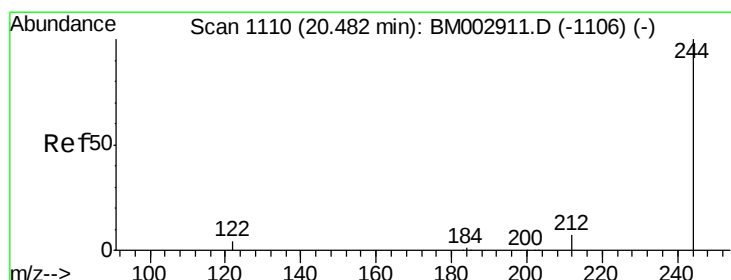
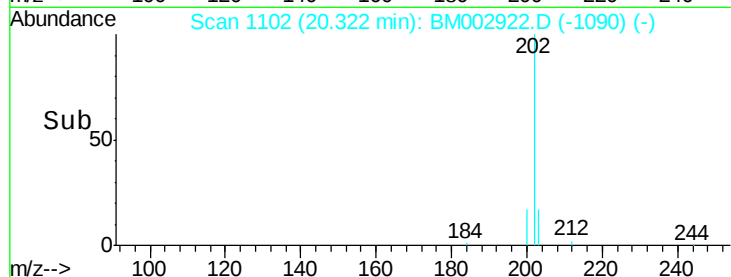
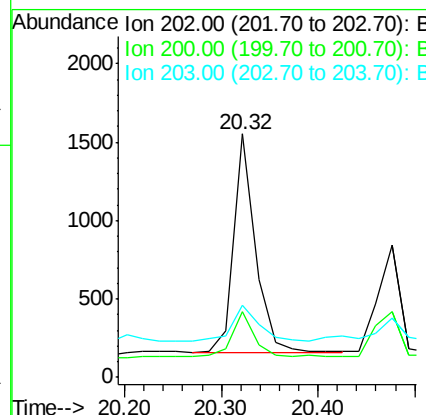
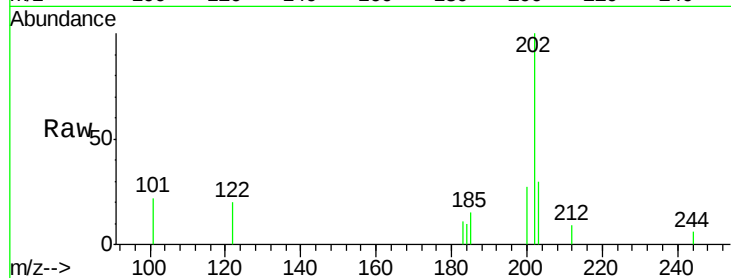




#28
Pvrene
Concen: 0.02 ng
RT: 20.32 min Scan# 1102
Delta R.T. 0.01 min
Lab File: BM002922.D
Acq: 15 Oct 2015 19:57

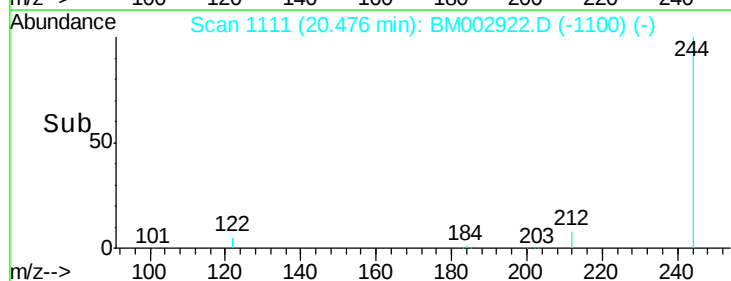
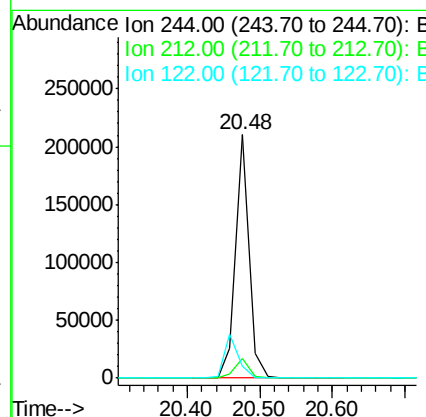
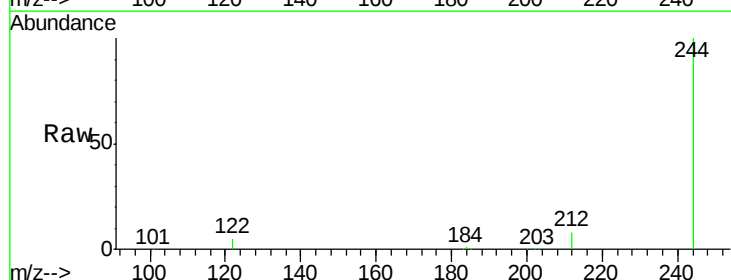
Instrument :
BNA_M
ClientSampleId :
RAV-GT-102

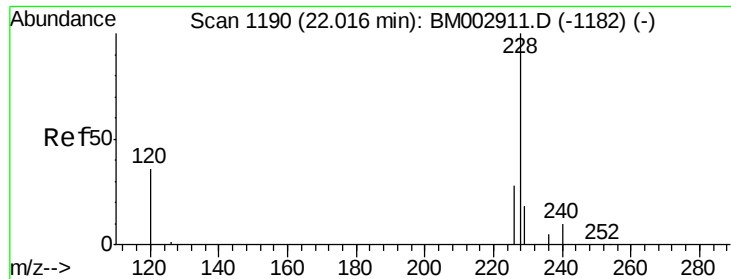
Tot Ion:202 Resp: 2198
Ion Ratio Lower Upper
202 100
200 24.6 16.2 24.4#
203 21.2 13.8 20.8#



#29
Terphenyl-d14
Concen: 4.46 ng
RT: 20.48 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BM002922.D
Acq: 15 Oct 2015 19:57

Tgt Ion:244 Resp: 267523
Ion Ratio Lower Upper
244 100
212 8.1 5.6 8.4
122 4.8 2.2 3.2#

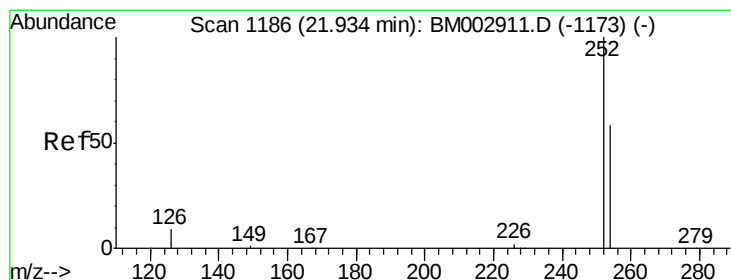
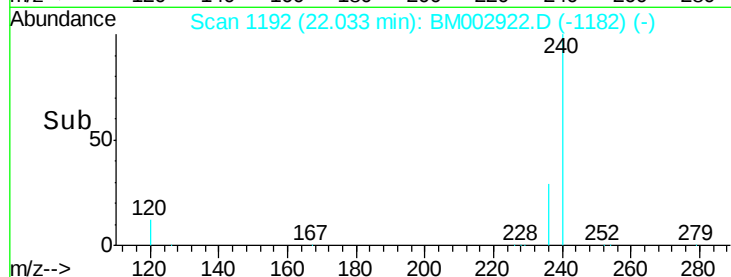
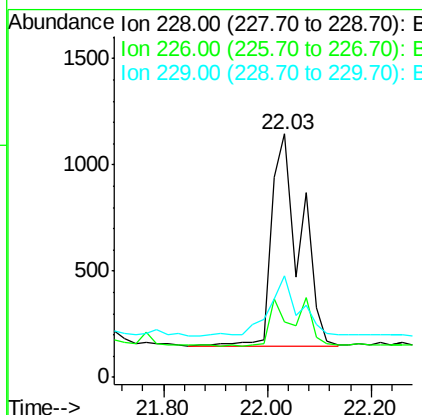
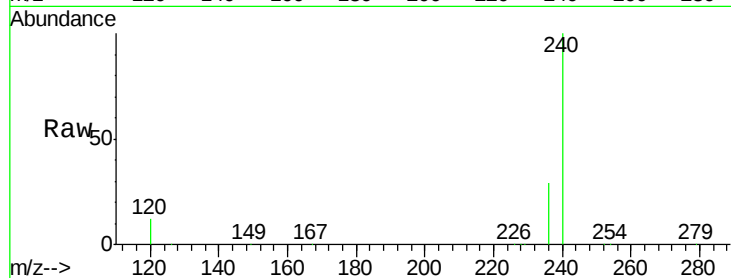




#30
Benzo(a)anthracene
Concen: 0.03 ng
RT: 22.03 min Scan# 1192
Delta R.T. 0.01 min
Lab File: BM002922.D
Acq: 15 Oct 2015 19:57

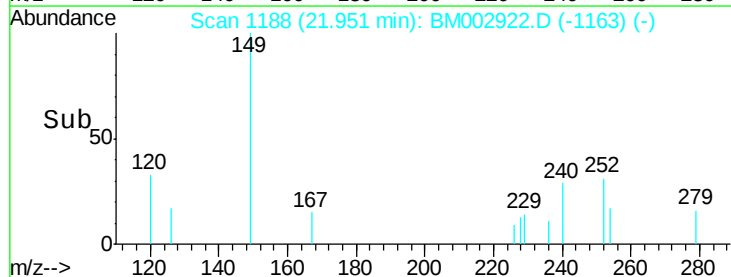
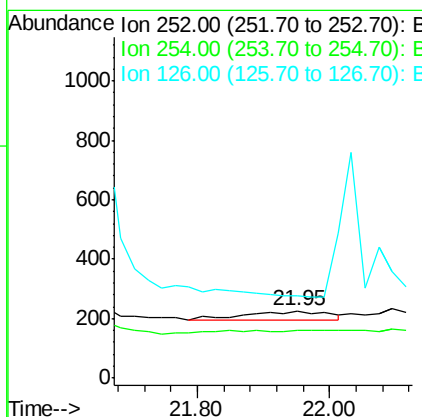
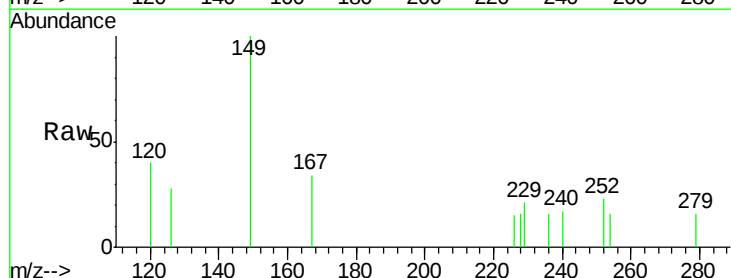
Instrument :
BNA_M
ClientSampled :
RAV-GT-102

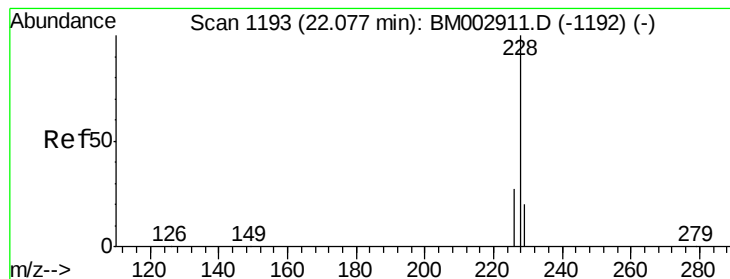
Tot Ion:228 Resp: 3846
Ion Ratio Lower Upper
228 100
226 22.9 19.0 28.6
229 41.6 16.8 25.2#



#31
3,3'-Dichlorobenzidine
Concen: 0.01 ng
RT: 21.95 min Scan# 1188
Delta R.T. 0.01 min
Lab File: BM002922.D
Acq: 15 Oct 2015 19:57

Tgt Ion:252 Resp: 224
Ion Ratio Lower Upper
252 100
254 71.7 54.1 81.1
126 123.0 4.1 6.1#





#32

Chrysene

Concen: 0.03 ng

RT: 22.03 min Scan# 1192

Delta R.T. -0.05 min

Lab File: BM002922.D

Acq: 15 Oct 2015 19:57

Instrument :

BNA_M

ClientSampled :

RAV-GT-102

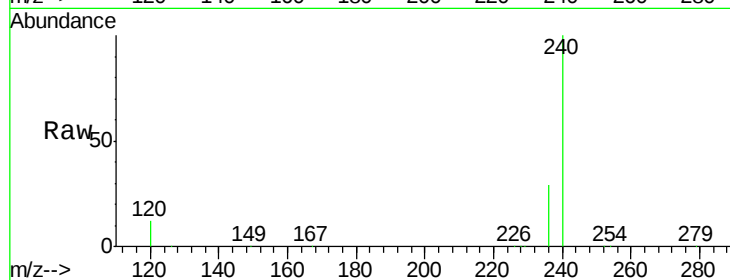
Tot Ion:228 Resp: 3756

Ion Ratio Lower Upper

228 100

226 22.9 20.6 30.8

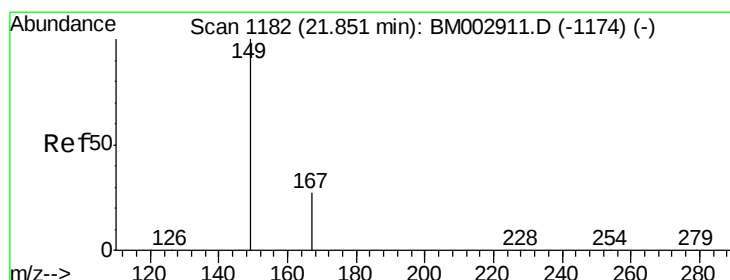
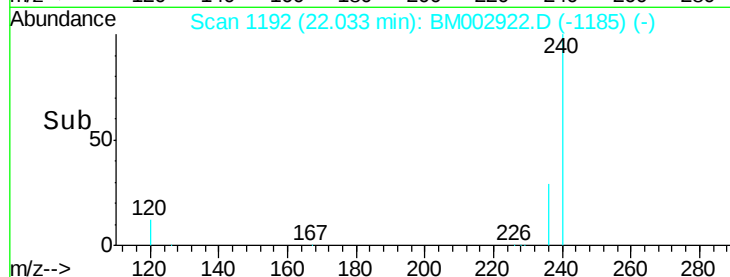
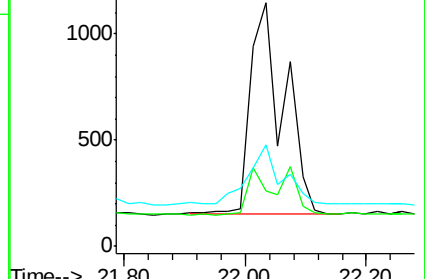
229 41.6 17.4 26.2#



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



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.45 ng

RT: 21.85 min Scan# 1183

Delta R.T. -0.01 min

Lab File: BM002922.D

Acq: 15 Oct 2015 19:57

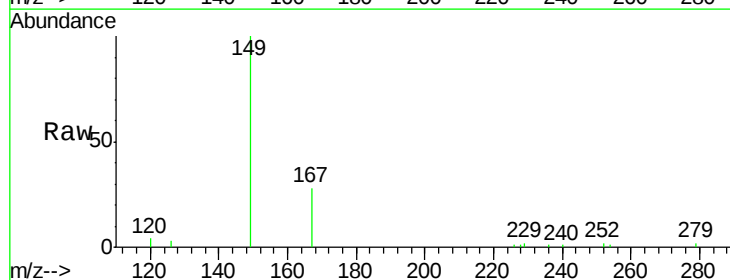
Tgt Ion:149 Resp: 14634

Ion Ratio Lower Upper

149 100

167 24.0 17.2 25.8

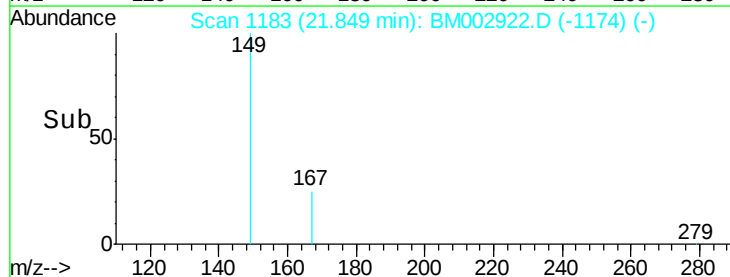
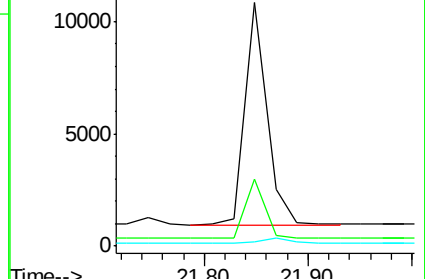
279 0.0 2.2 3.4#

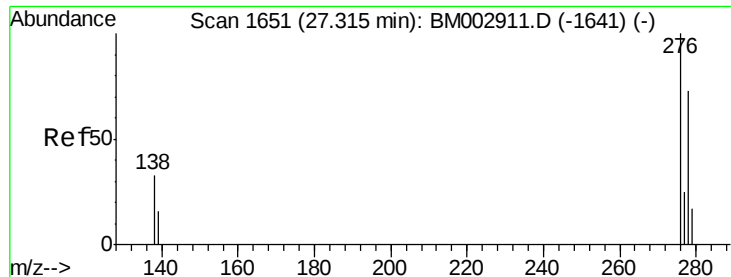


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

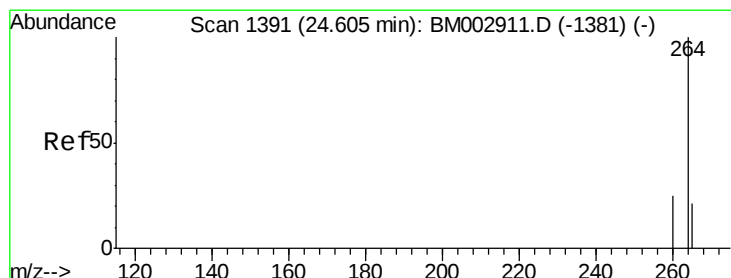
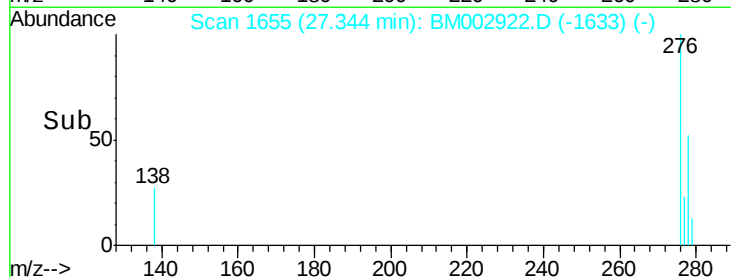
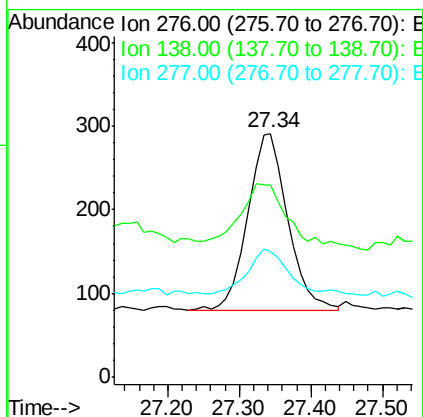
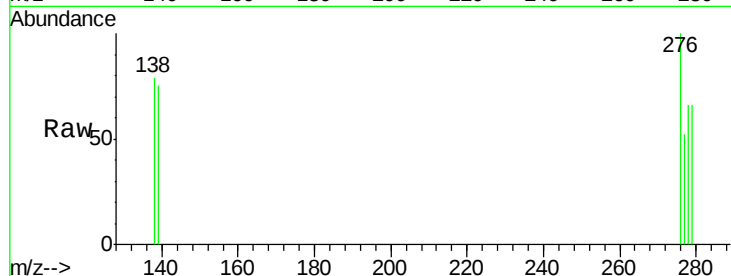




#34
Indeno(1,2,3-cd)pyrene
Concen: 0.01 ng
RT: 27.34 min Scan# 1655
Delta R.T. 0.03 min
Lab File: BM002922.D
Acq: 15 Oct 2015 19:57

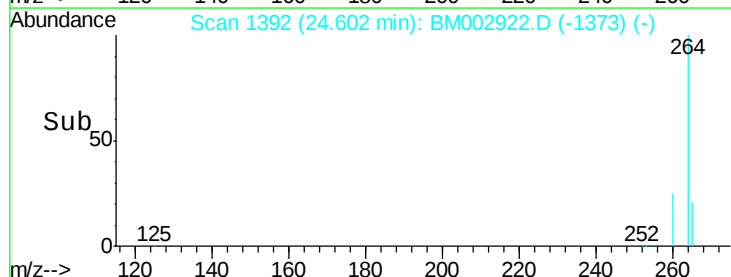
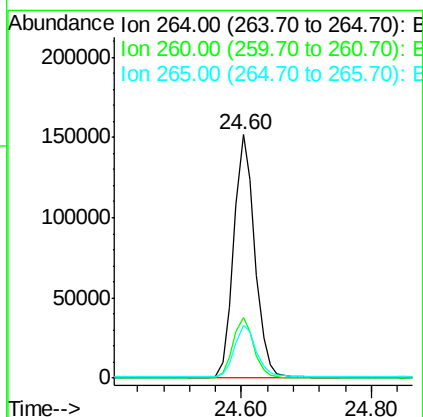
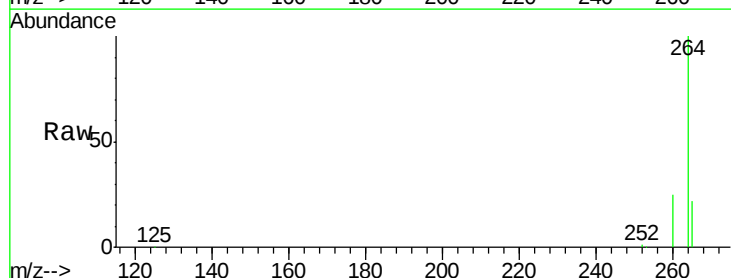
Instrument :
BNA_M
ClientSampleId :
RAV-GT-102

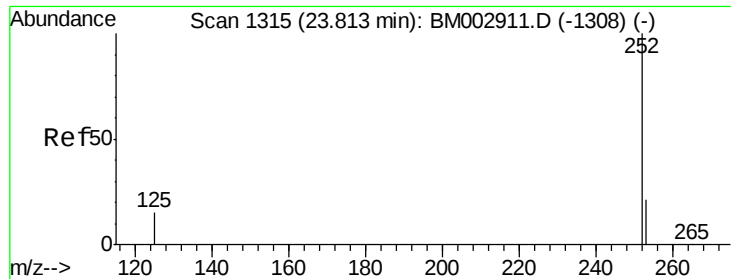
Tot Ion:276 Resp: 821
Ion Ratio Lower Upper
276 100
138 0.0 29.0 43.6#
277 0.0 19.8 29.8#



#35
Perylene-d12
Concen: 5.00 ng
RT: 24.60 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BM002922.D
Acq: 15 Oct 2015 19:57

Tgt Ion:264 Resp: 339679
Ion Ratio Lower Upper
264 100
260 25.0 20.1 30.1
265 21.6 17.6 26.4





#36

Benzo(b)fluoranthene

Concen: 0.01 ng

RT: 23.83 min Scan# 1318

Delta R.T. 0.01 min

Lab File: BM002922.D

Acq: 15 Oct 2015 19:57

Instrument :

BNA_M

ClientSampleId :

RAV-GT-102

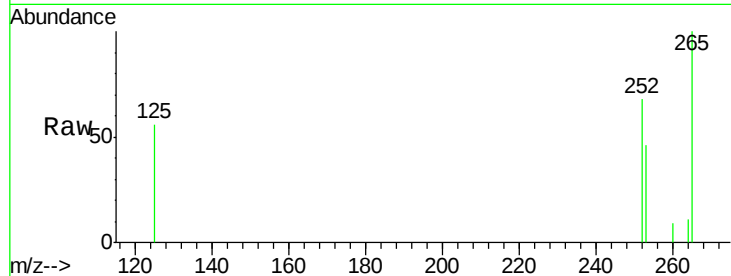
Tot Ion:252 Resp: 1319

Ion Ratio Lower Upper

252 100

253 67.6 17.5 26.3#

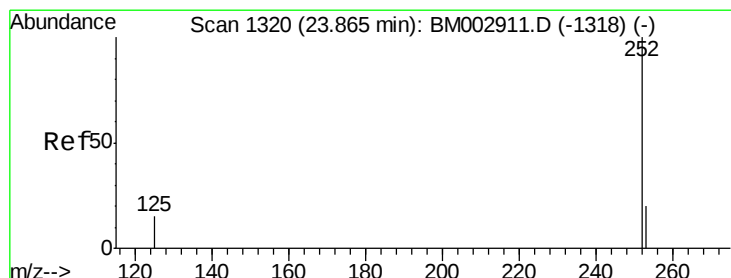
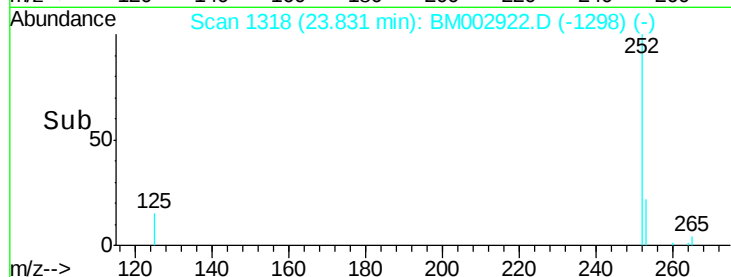
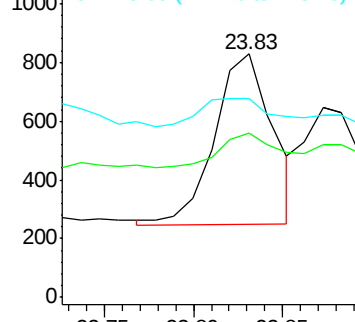
125 81.7 12.4 18.6#



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



#37

Benzo(k)fluoranthene

Concen: 0.01 ng

RT: 23.87 min Scan# 1322

Delta R.T. 0.00 min

Lab File: BM002922.D

Acq: 15 Oct 2015 19:57

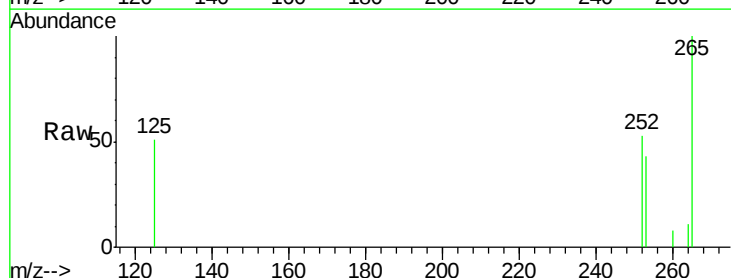
Tgt Ion:252 Resp: 902

Ion Ratio Lower Upper

252 100

253 80.3 17.9 26.9#

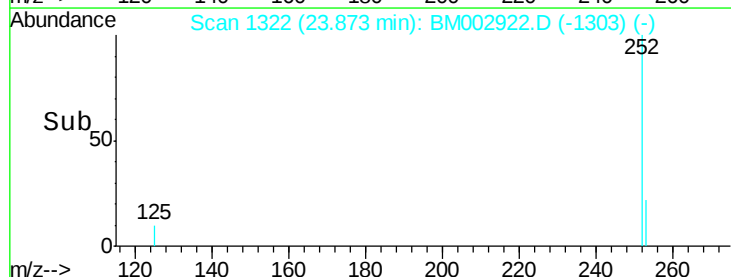
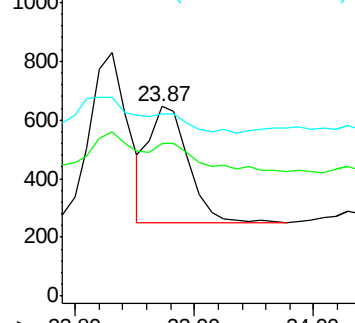
125 96.0 12.3 18.5#

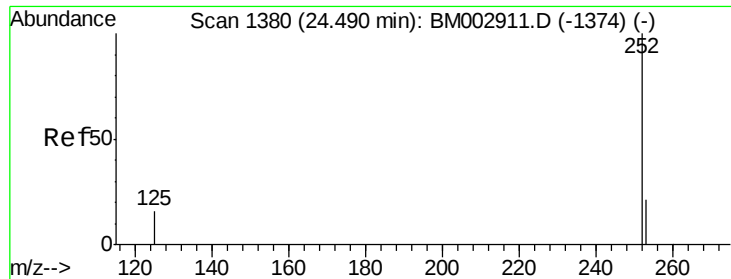


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 0.01 ng

RT: 24.50 min Scan# 1382

Delta R.T. 0.00 min

Lab File: BM002922.D

Acq: 15 Oct 2015 19:57

Instrument :

BNA_M

ClientSampleId :

RAV-GT-102

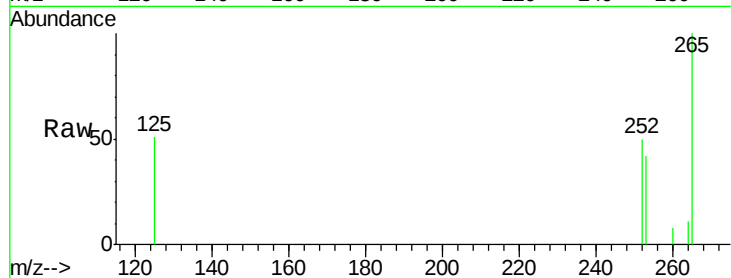
Tot Ion:252 Resp: 759

Ion Ratio Lower Upper

252 100

253 84.2 18.4 27.6#

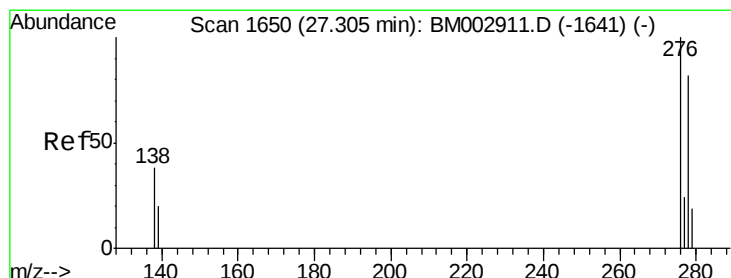
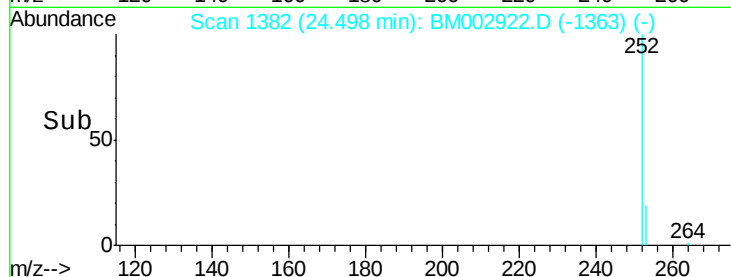
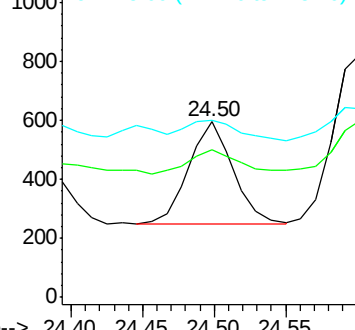
125 101.2 13.3 19.9#



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



#39

Dibenzo(a,h)anthracene

Concen: 0.01 ng

RT: 27.32 min Scan# 1653

Delta R.T. 0.01 min

Lab File: BM002922.D

Acq: 15 Oct 2015 19:57

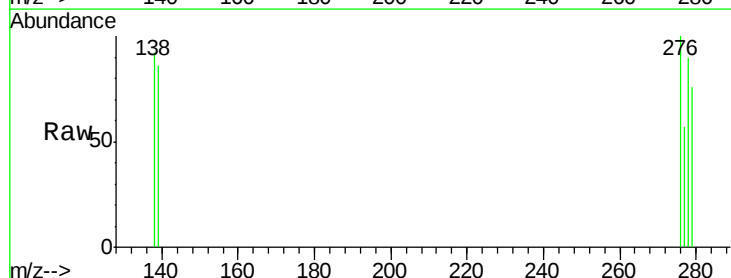
Tgt Ion:278 Resp: 563

Ion Ratio Lower Upper

278 100

139 95.6 19.8 29.6#

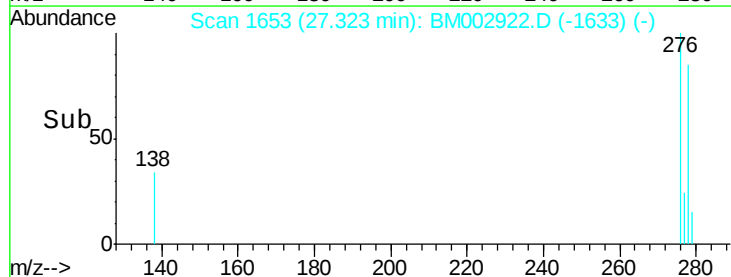
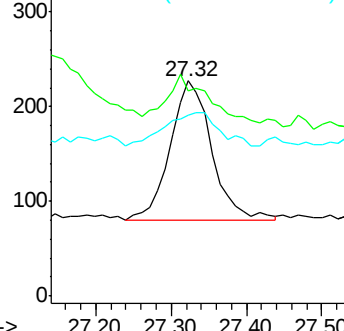
279 84.1 19.1 28.7#

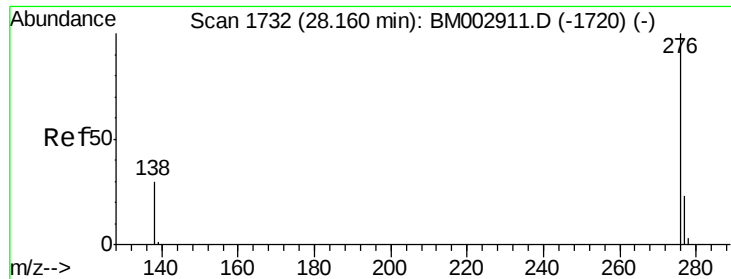


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#40

Benzo(a,h,i)perylene

Concen: 0.01 ng

RT: 28.19 min Scan# 1736

Delta R.T. 0.03 min

Lab File: BM002922.D

Acq: 15 Oct 2015 19:57

Instrument :

BNA_M

ClientSampleId :

RAV-GT-102

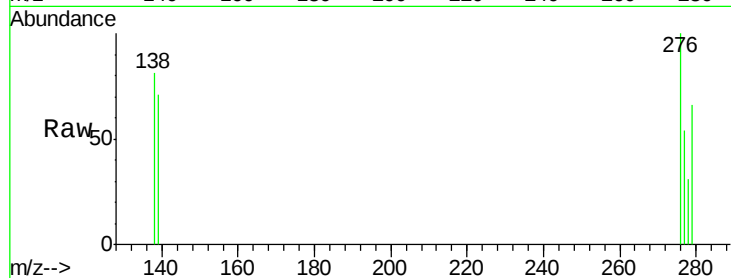
Tot Ion: 276 Resp: 831

Ion Ratio Lower Upper

276 100

277 54.2 19.4 29.0#

138 81.3 24.4 36.6#



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

