

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101515\
 Data File : BM002921.D
 Acq On : 15 Oct 2015 19:21
 Operator : UM/IZ
 Sample : G4018-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-106

Quant Time: Oct 16 07:00:48 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	86025	5.00	ng	0.00
7) Naphthalene-d8	11.50	136	358197	5.00	ng	0.00
13) Acenaphthene-d10	15.23	164	190609	5.00	ng	0.00
19) Phenanthrene-d10	17.95	188	426052	5.00	ng	0.00
26) Chrysene-d12	22.04	240	385731	5.00	ng	0.00
35) Perylene-d12	24.61	264	318772	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	6.13	112	44251	2.75	ng	-0.02
5) Phenol-d6	7.79	99	37004	1.80	ng	-0.02
8) Nitrobenzene-d5	9.86	82	61418	3.58	ng	0.00
14) 2,4,6-Tribromophenol	16.72	330	54006	7.25	ng	0.00
15) 2-Fluorobiphenyl	13.88	172	230975	3.78	ng	0.00
29) Terphenyl-d14	20.48	244	237315	4.11	ng	0.00

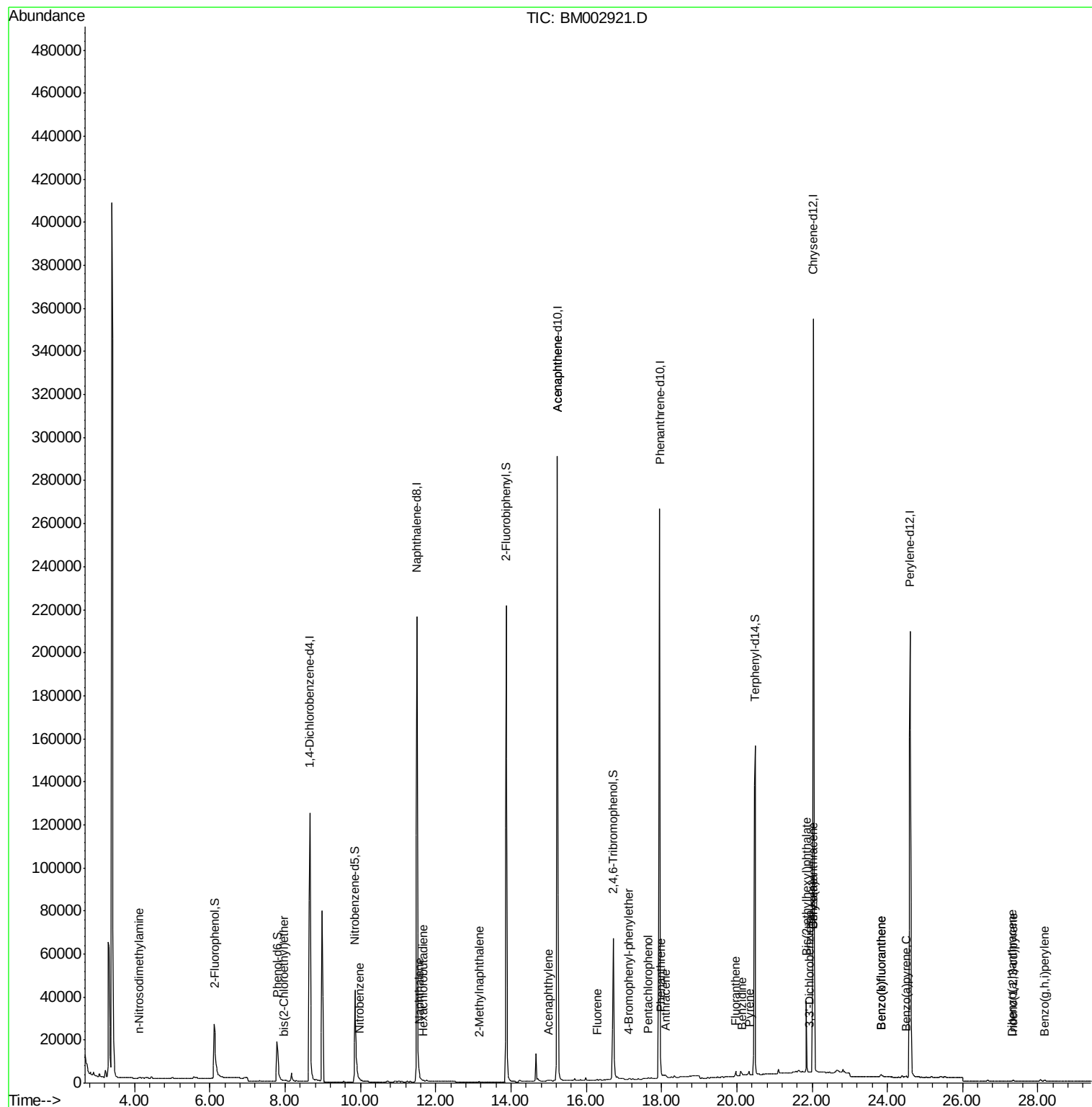
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	4.12	42	96	0.02	ng	# 1
6) bis(2-Chloroethyl)ether	7.97	93	603	0.03	ng	# 25
9) Nitrobenzene	9.97	77	337	0.02	ng	# 35
10) Naphthalene	11.56	128	1676	0.02	ng	# 80
11) Hexachlorobutadiene	11.66	225	12	0.00	ng	# 19
12) 2-Methylnaphthalene	13.15	142	357	0.01	ng	# 65
16) Acenaphthylene	14.99	152	1015	0.01	ng	# 73
17) Acenaphthene	15.23	154	923	0.02	ng	# 100
18) Fluorene	16.30	166	412	0.01	ng	# 10
20) 4-Bromophenyl-phenylether	17.13	248	751	0.04	ng	# 10
21) Hexachlorobenzene	17.24	284	34	Below Cal		# 49
22) Pentachlorophenol	17.64	266	689	0.58	ng	# 92
23) Phenanthrene	17.98	178	2423	0.02	ng	# 78
24) Anthracene	18.10	178	1889	0.02	ng	# 85
25) Fluoranthene	19.97	202	2352	0.02	ng	# 44
27) Benzidine	20.14	184	4572	0.23	ng	# 1
28) Pyrene	20.33	202	2374	0.02	ng	# 89
30) Benzo(a)anthracene	22.02	228	3761	0.03	ng	# 56
31) 3,3'-Dichlorobenzidine	21.93	252	235	0.01	ng	# 62
32) Chrysene	22.02	228	3904	0.04	ng	# 60
33) Bis(2-ethylhexyl)phthalate	21.85	149	35313	0.69	ng	# 87
34) Indeno(1,2,3-cd)pyrene	27.34	276	1208	0.01	ng	# 97
36) Benzo(b)fluoranthene	23.83	252	2882	0.03	ng	# 1
37) Benzo(k)fluoranthene	23.83	252	2882	0.03	ng	# 1
38) Benzo(a)pyrene	24.50	252	1213	0.01	ng	# 1
39) Dibenzo(a,h)anthracene	27.32	278	379	0.00	ng	# 1
40) Benzo(g,h,i)perylene	28.18	276	1278	0.02	ng	# 51

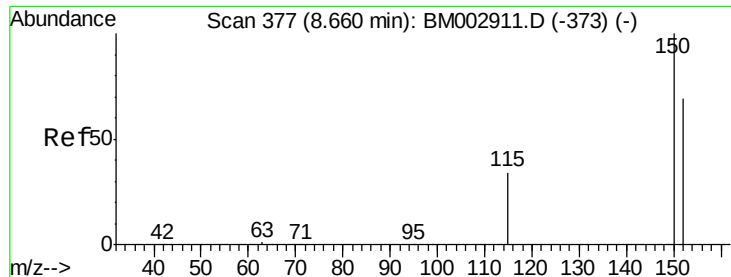
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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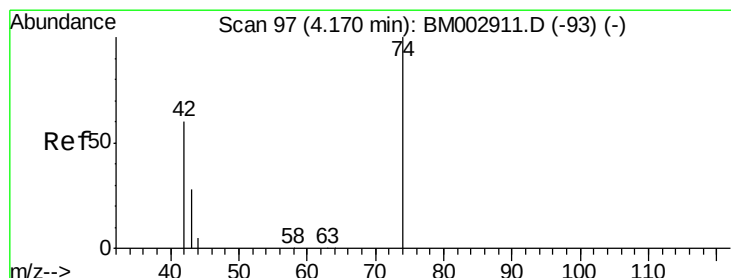
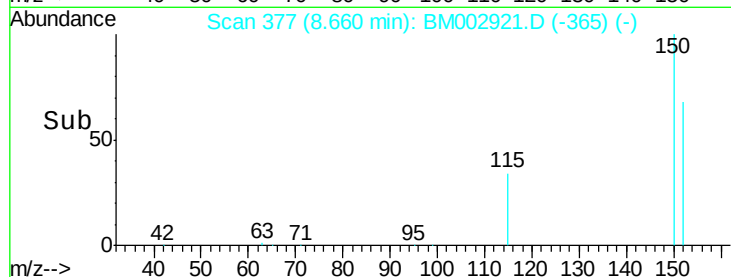
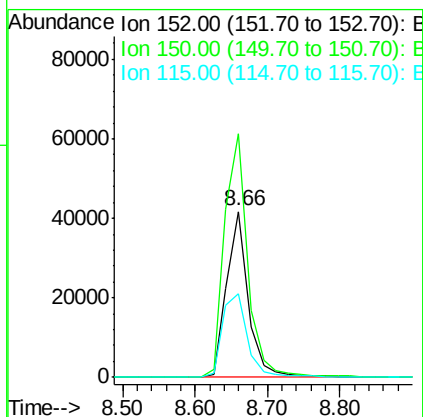
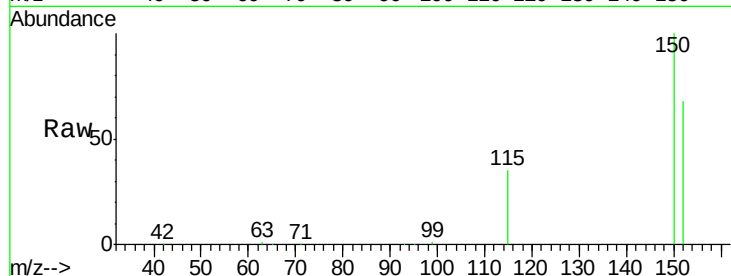


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.66 min Scan# 377
Delta R.T. -0.00 min
Lab File: BM002921.D
Acq: 15 Oct 2015 19:21

Instrument :
BNA_M
ClientSampleId :
RAV-GT-106

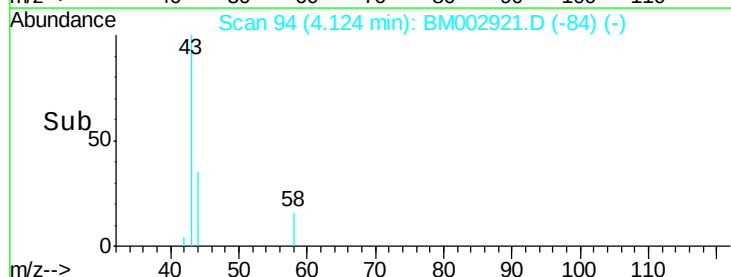
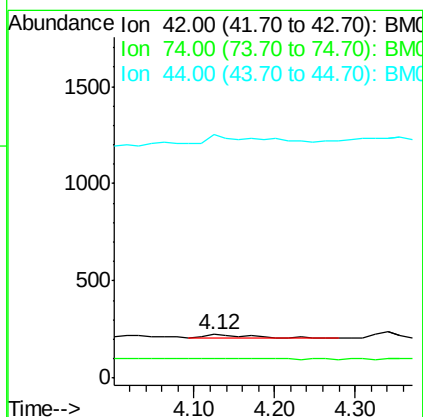
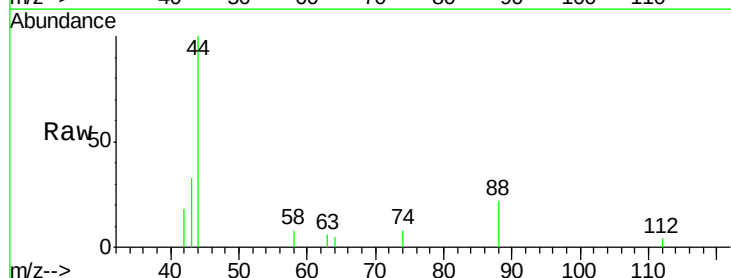
Tot Ion:152 Resp: 86025
Ion Ratio Lower Upper
152 100
150 146.6 113.0 169.6
115 50.6 37.9 56.9

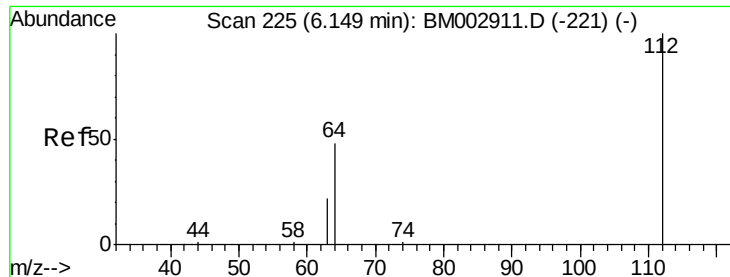


#3

n-Nitrosodimethylamine
Concen: 0.02 ng
RT: 4.12 min Scan# 94
Delta R.T. -0.05 min
Lab File: BM002921.D
Acq: 15 Oct 2015 19:21

Tgt Ion: 42 Resp: 96
Ion Ratio Lower Upper
42 100
74 0.0 119.7 179.5#
44 95.8 9.8 14.6#





#4

2-Fluorophenol

Concen: 2.75 ng

RT: 6.13 min Scan# 224

Delta R.T. -0.02 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

Instrument :

BNA_M

ClientSampleId :

RAV-GT-106

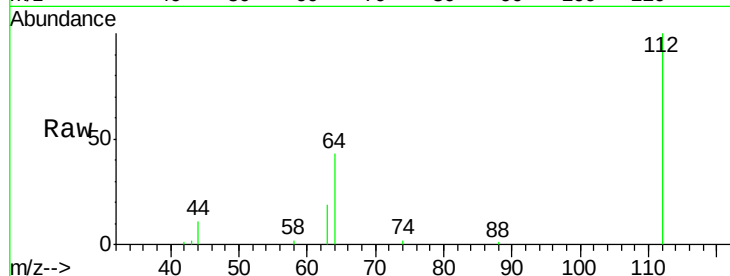
Tot Ion: 112 Resp: 44251

Ion Ratio Lower Upper

112 100

64 51.5 42.0 63.0

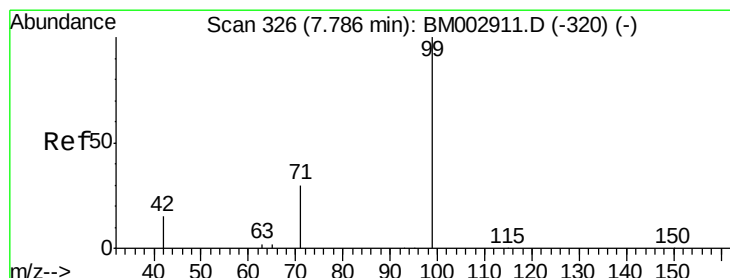
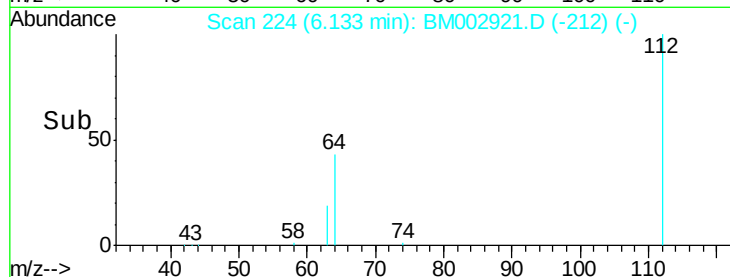
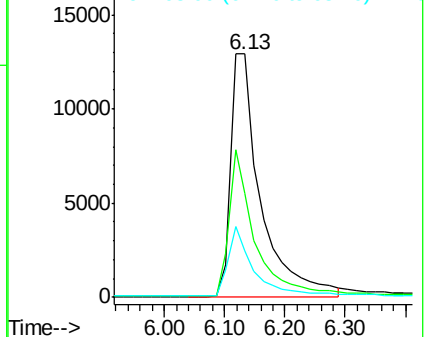
63 24.4 20.0 30.0



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: 1.80 ng

RT: 7.79 min Scan# 326

Delta R.T. -0.02 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

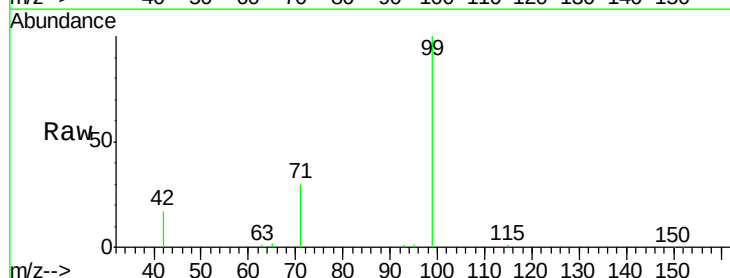
Tgt Ion: 99 Resp: 37004

Ion Ratio Lower Upper

99 100

42 15.1 12.4 18.6

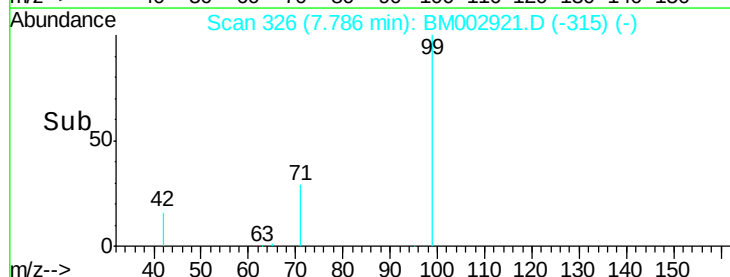
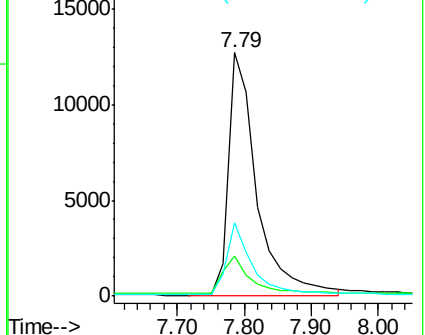
71 26.9 21.4 32.0

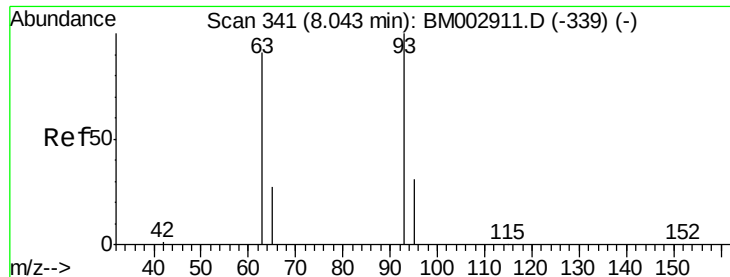


Abundance Ion 99.00 (98.70 to 99.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 71.00 (70.70 to 71.70): BM0





#6

bis(2-Chloroethyl)ether

Concen: 0.03 ng

RT: 7.97 min Scan# 337

Delta R.T. -0.09 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

Instrument :

BNA_M

ClientSampled :

RAV-GT-106

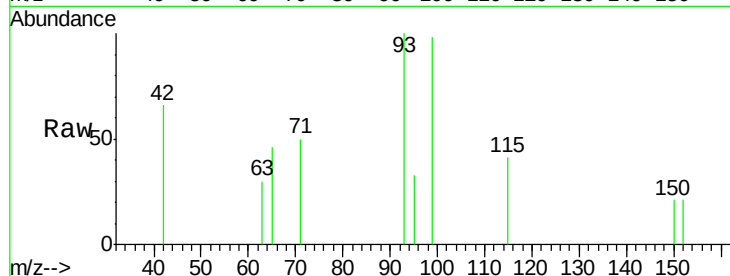
Tot Ion: 93 Resp: 603

Ion Ratio Lower Upper

93 100

63 0.0 52.9 79.3#

95 0.0 25.2 37.8#



Abundance Ion 93.00 (92.70 to 93.70): BM002921.D (-339) (-)

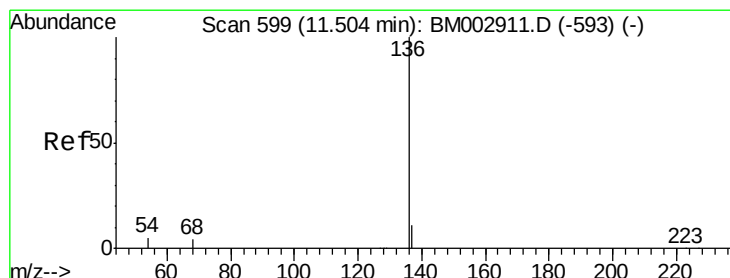
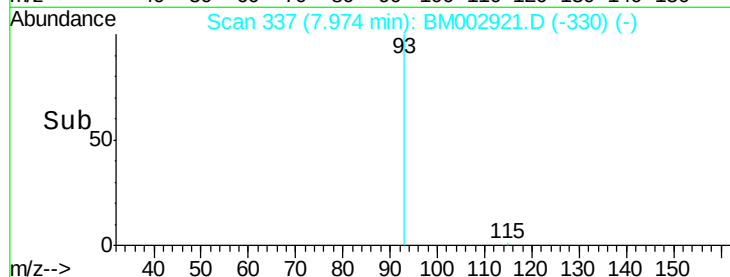
Ion 63.00 (62.70 to 63.70): BM002921.D (-339) (-)

Ion 95.00 (94.70 to 95.70): BM002921.D (-339) (-)

Time-->

7.97

Time-->



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 11.50 min Scan# 599

Delta R.T. -0.00 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

Tgt Ion: 136 Resp: 358197

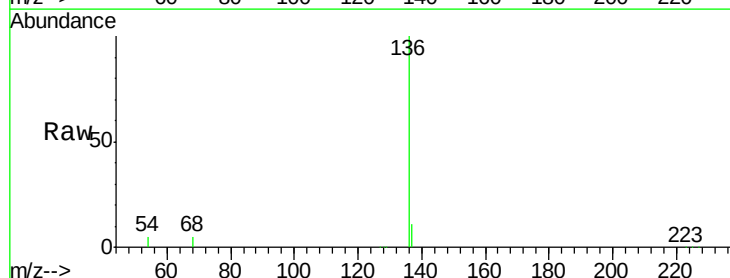
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 5.3 3.5 5.3#

68 4.8 3.3 4.9



Abundance Ion 136.00 (135.70 to 136.70): BM002921.D (-593) (-)

Ion 137.00 (136.70 to 137.70): BM002921.D (-593) (-)

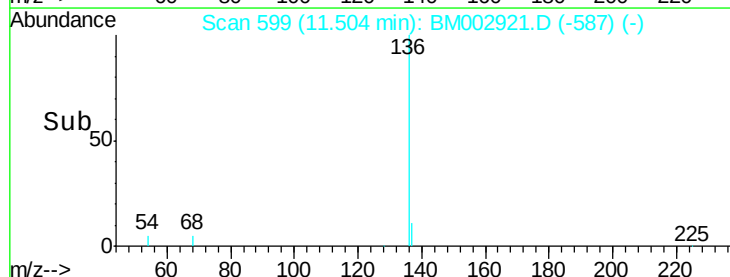
Ion 54.00 (53.70 to 54.70): BM002921.D (-593) (-)

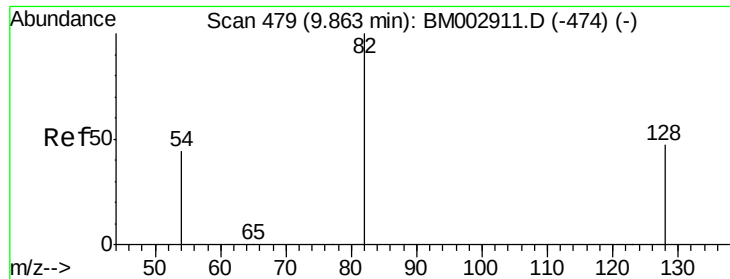
Ion 68.00 (67.70 to 68.70): BM002921.D (-593) (-)

Time-->

11.50

Time-->

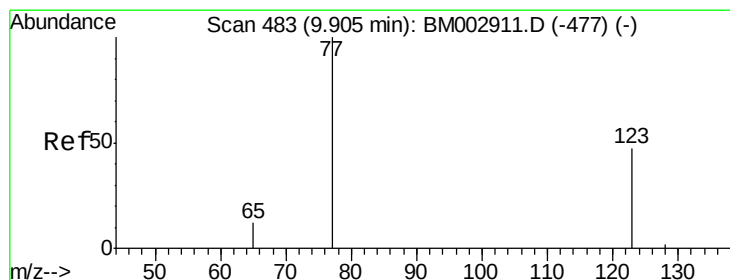
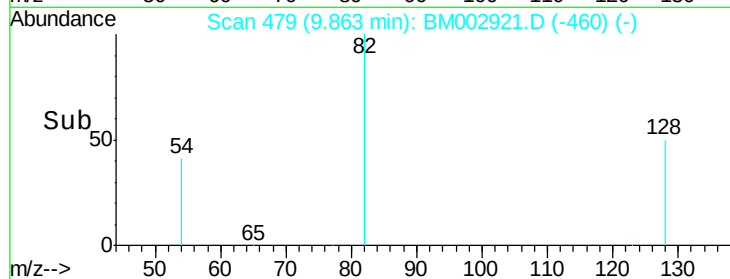
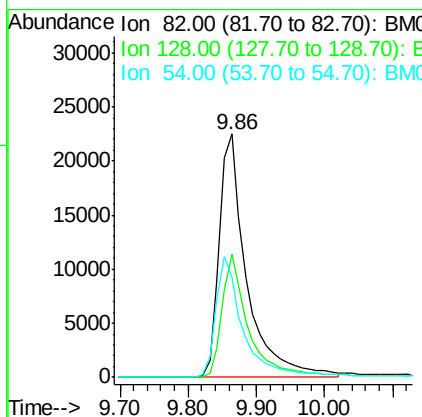
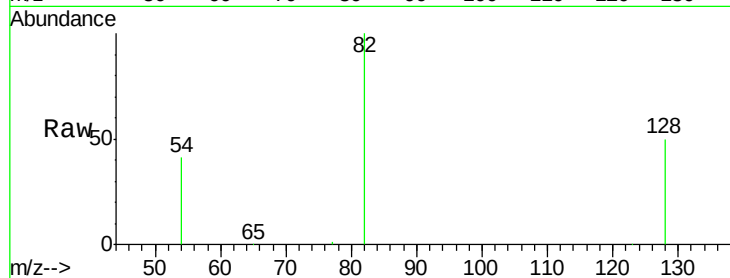




#8
 Nitrobenzene-d5
 Concen: 3.58 ng
 RT: 9.86 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: BM002921.D
 Acq: 15 Oct 2015 19:21

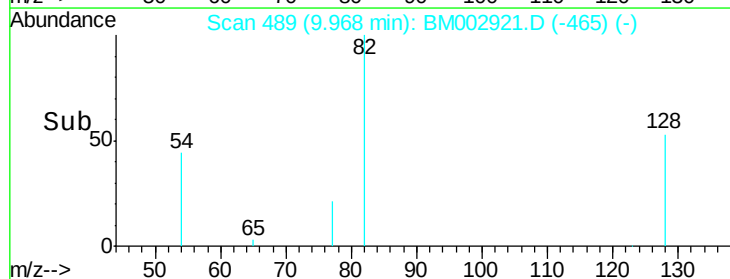
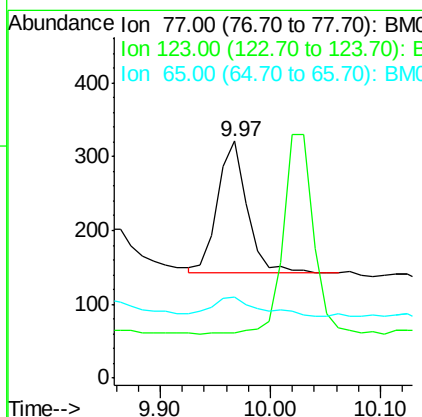
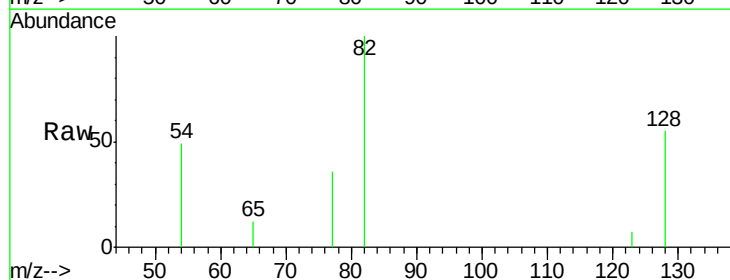
Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-106

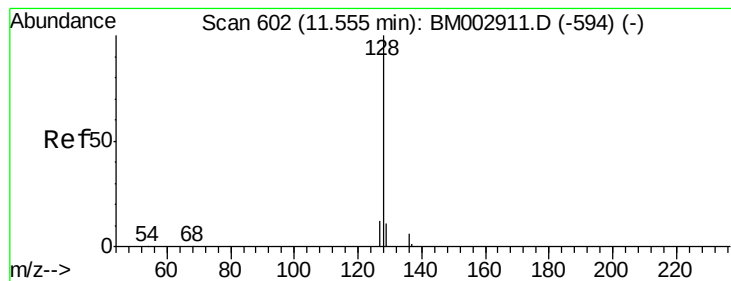
Tot Ion: 82 Resp: 61418
 Ion Ratio Lower Upper
 82 100
 128 50.4 34.1 51.1
 54 41.1 42.6 63.8#



#9
 Nitrobenzene
 Concen: 0.02 ng
 RT: 9.97 min Scan# 489
 Delta R.T. 0.05 min
 Lab File: BM002921.D
 Acq: 15 Oct 2015 19:21

Tgt Ion: 77 Resp: 337
 Ion Ratio Lower Upper
 77 100
 123 0.0 41.0 61.4#
 65 22.6 9.7 14.5#





#10

Naphthalene

Concen: 0.02 ng

RT: 11.56 min Scan# 602

Delta R.T. -0.00 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

Instrument :

BNA_M

ClientSampleId :

RAV-GT-106

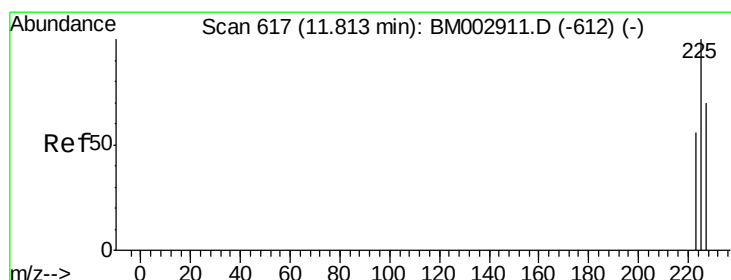
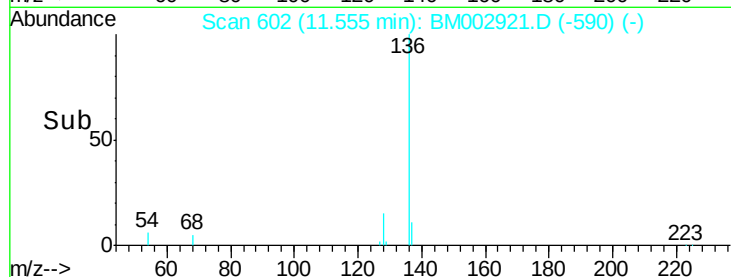
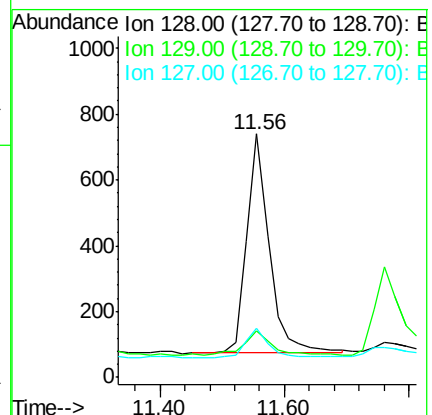
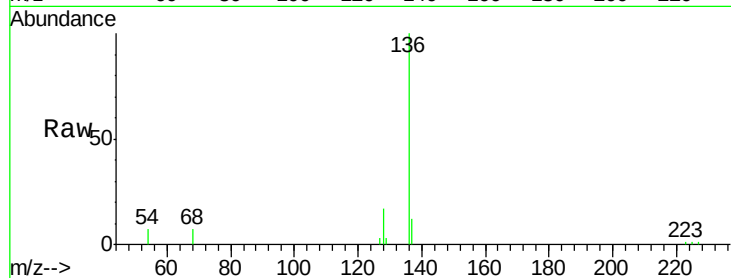
Tot Ion:128 Resp: 1676

Ion Ratio Lower Upper

128 100

129 19.2 9.4 14.2#

127 20.1 9.6 14.4#



#11

Hexachlorobutadiene

Concen: 0.00 ng

RT: 11.66 min Scan# 608

Delta R.T. -0.15 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

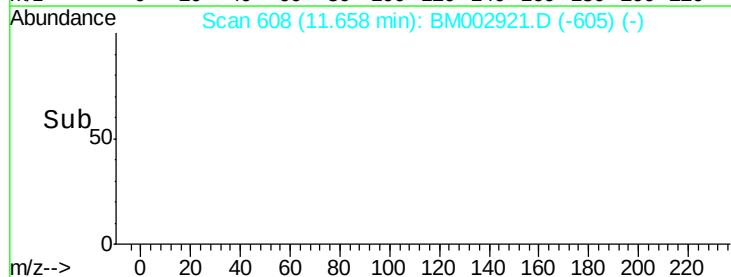
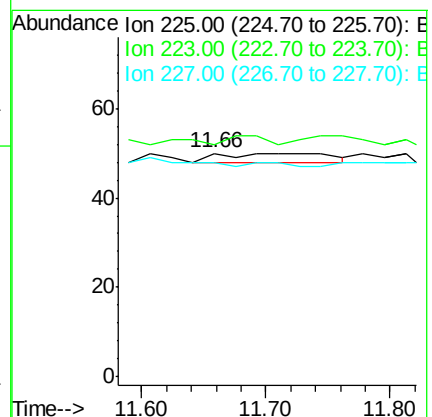
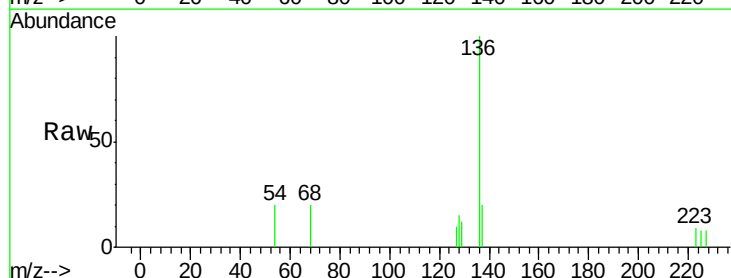
Tgt Ion:225 Resp: 12

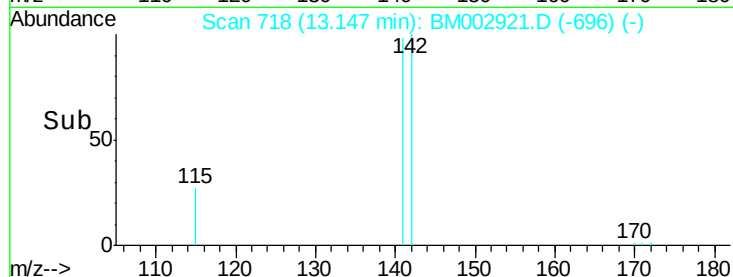
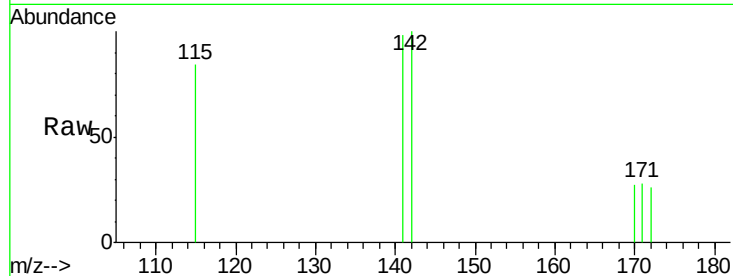
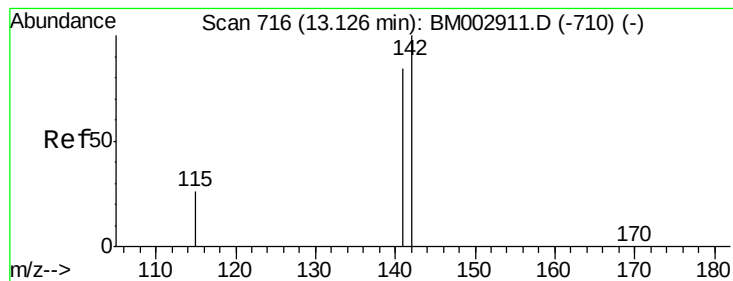
Ion Ratio Lower Upper

225 100

223 0.0 50.1 75.1#

227 0.0 51.2 76.8#





#12

2-Methylnaphthalene

Concen: 0.01 ng

RT: 13.15 min Scan# 718

Delta R.T. 0.03 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

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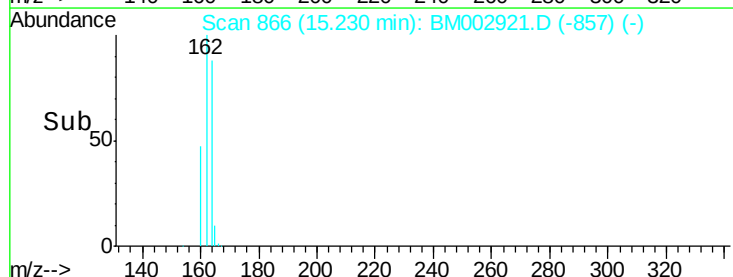
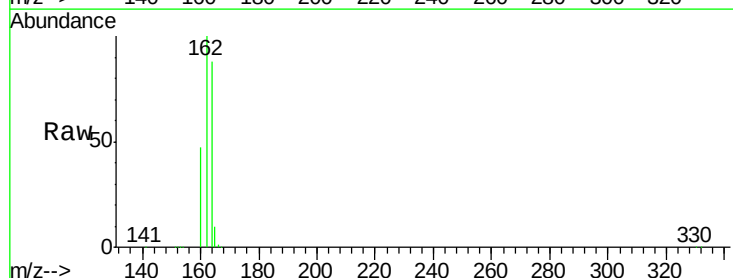
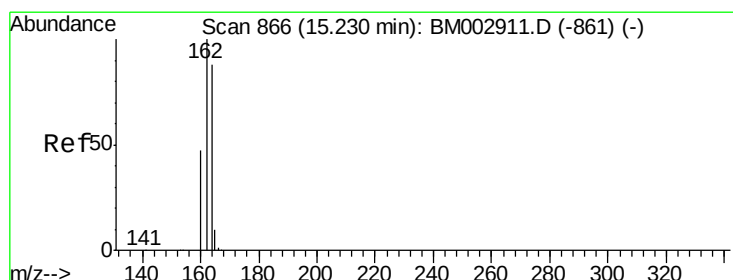
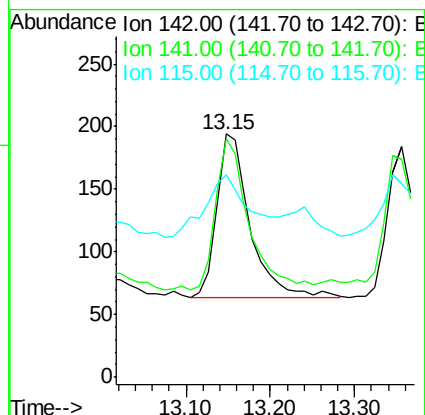
Tot Ion:142 Resp: 357

Ion Ratio Lower Upper

142 100

141 97.9 69.4 104.0

115 83.5 22.7 34.1#



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 15.23 min Scan# 866

Delta R.T. -0.00 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

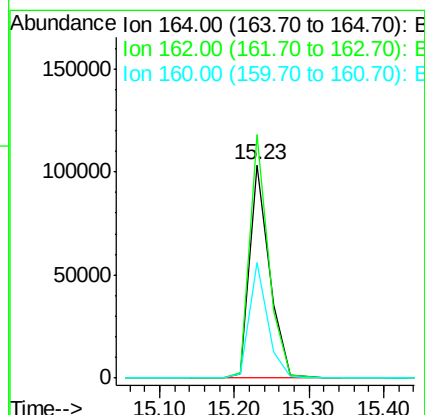
Tgt Ion:164 Resp: 190609

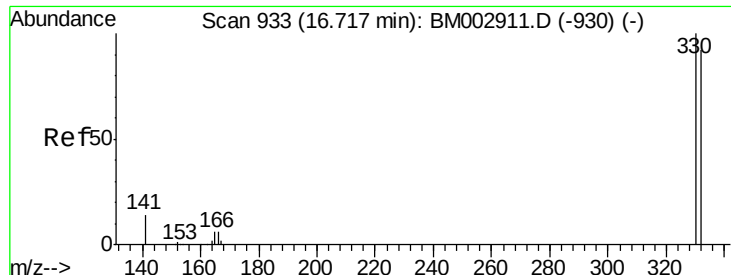
Ion Ratio Lower Upper

164 100

162 114.1 79.6 119.4

160 53.9 33.1 49.7#

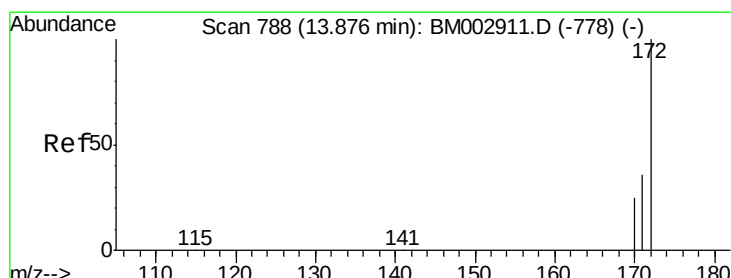
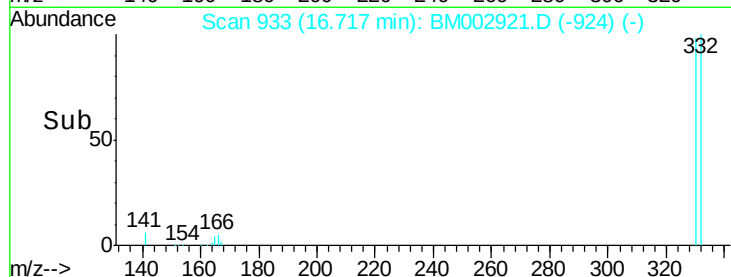
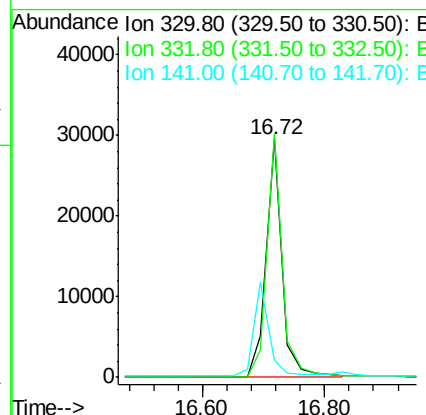
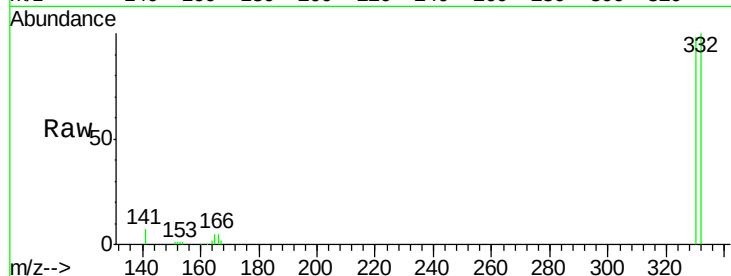




#14
 2,4,6-Tribromophenol
 Concen: 7.25 ng
 RT: 16.72 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: BM002921.D
 Acq: 15 Oct 2015 19:21

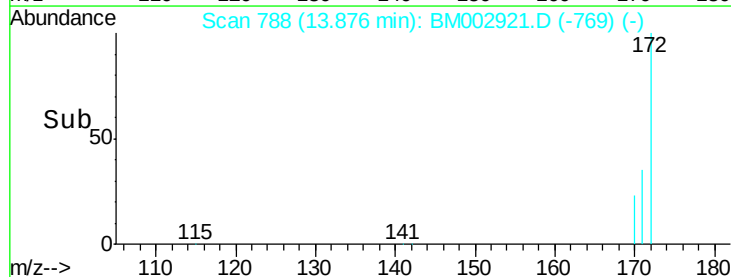
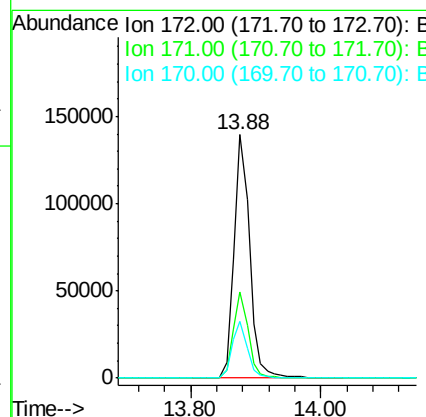
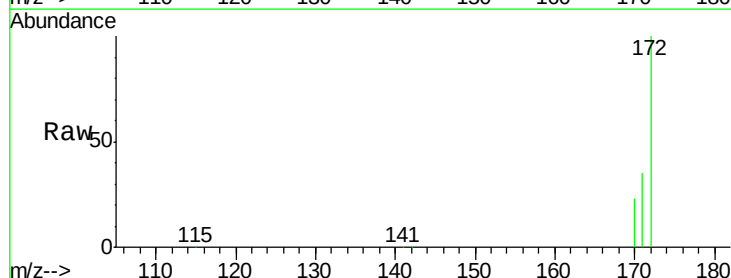
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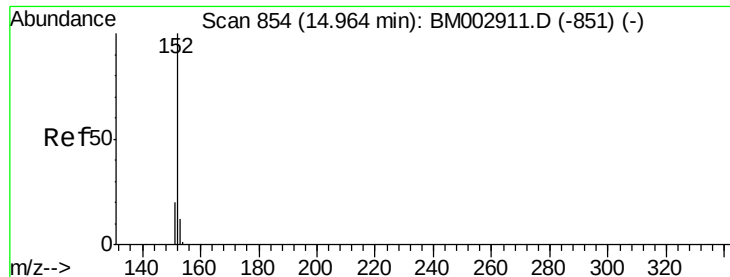
Tot Ion:330 Resp: 54006
 Ion Ratio Lower Upper
 330 100
 332 98.8 76.6 115.0
 141 0.0 0.0 0.0



#15
 2-Fluorobiphenyl
 Concen: 3.78 ng
 RT: 13.88 min Scan# 788
 Delta R.T. -0.00 min
 Lab File: BM002921.D
 Acq: 15 Oct 2015 19:21

Tgt Ion:172 Resp: 230975
 Ion Ratio Lower Upper
 172 100
 171 35.2 26.1 39.1
 170 23.1 15.7 23.5





#16

Acenaphthylene

Concen: 0.01 ng

RT: 14.99 min Scan# 855

Delta R.T. 0.02 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

Instrument :

BNA_M

ClientSampleId :

RAV-GT-106

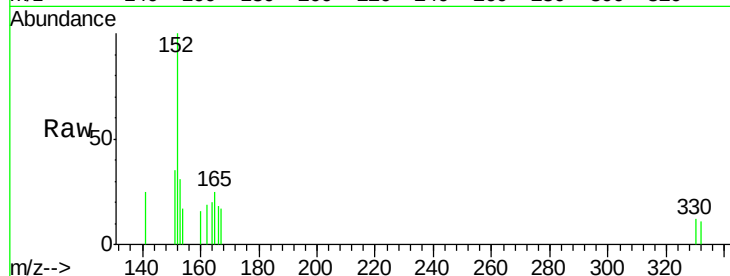
Tot Ion:152 Resp: 1015

Ion Ratio Lower Upper

152 100

151 0.0 15.3 22.9#

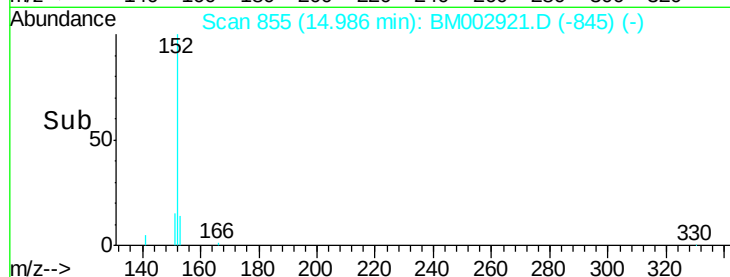
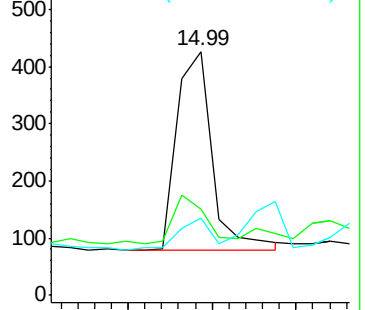
153 14.8 10.5 15.7



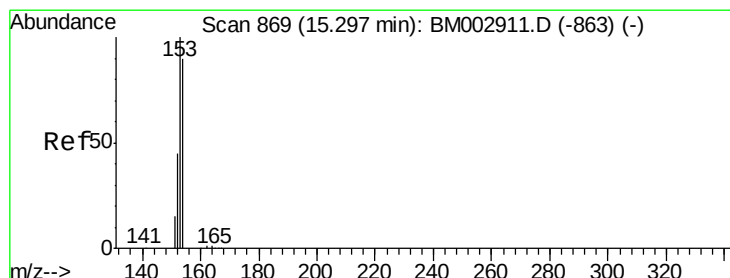
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#17

Acenaphthene

Concen: 0.02 ng

RT: 15.23 min Scan# 866

Delta R.T. -0.07 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

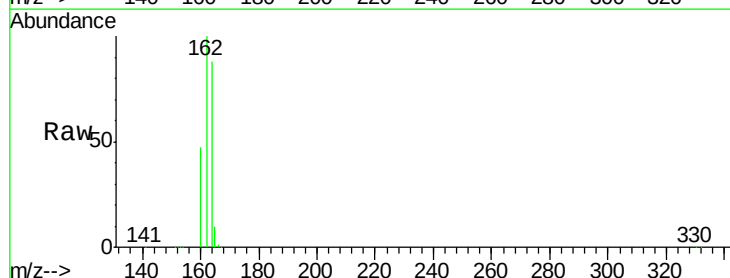
Tgt Ion:154 Resp: 923

Ion Ratio Lower Upper

154 100

153 0.0 0.0 0.0

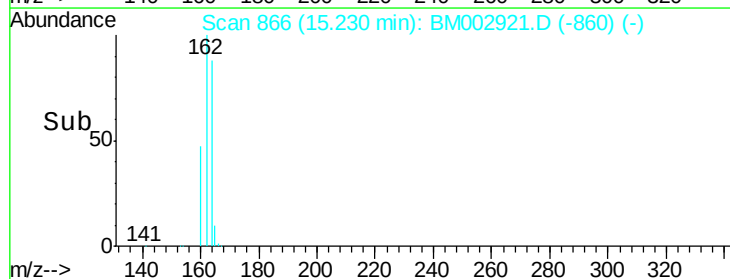
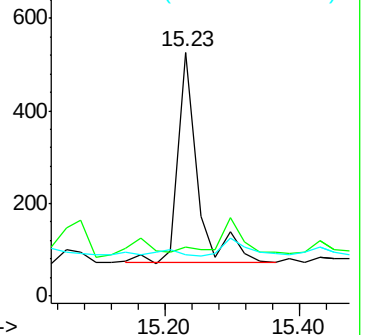
152 0.0 0.0 0.0

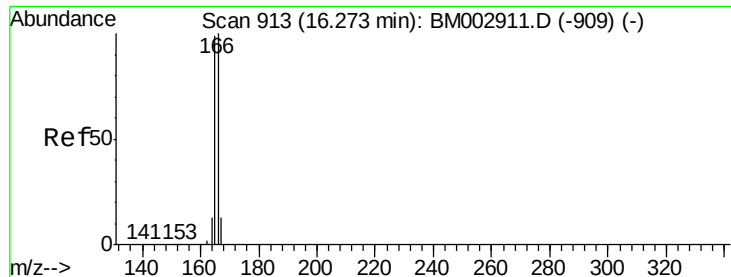


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

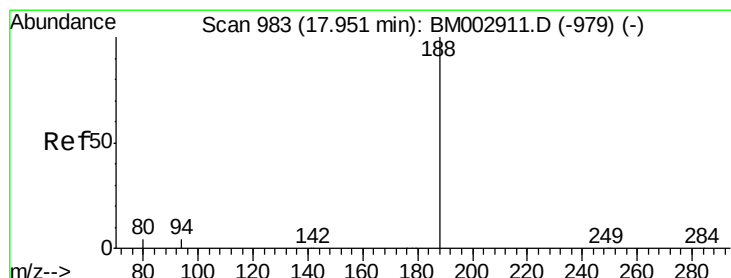
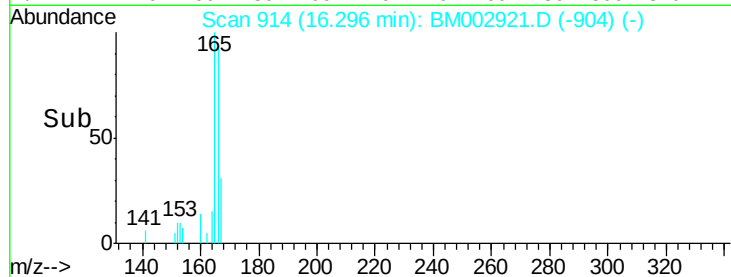
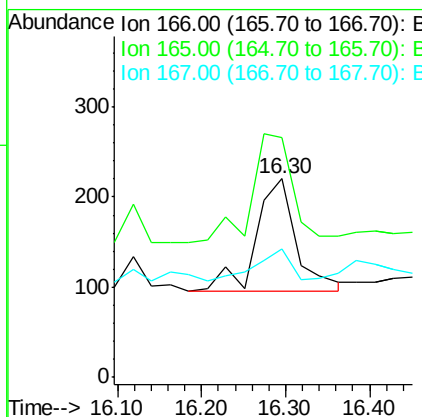
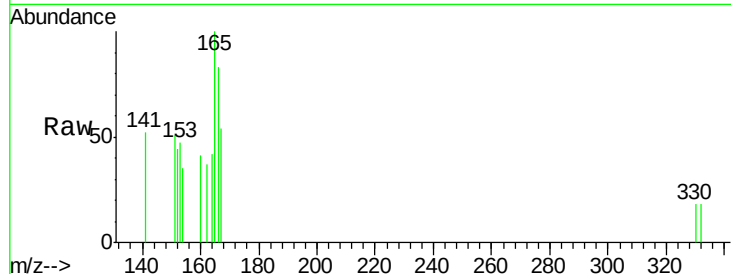




#18
 Fluorene
 Concen: 0.01 ng
 RT: 16.30 min Scan# 914
 Delta R.T. 0.02 min
 Lab File: BM002921.D
 Acq: 15 Oct 2015 19:21

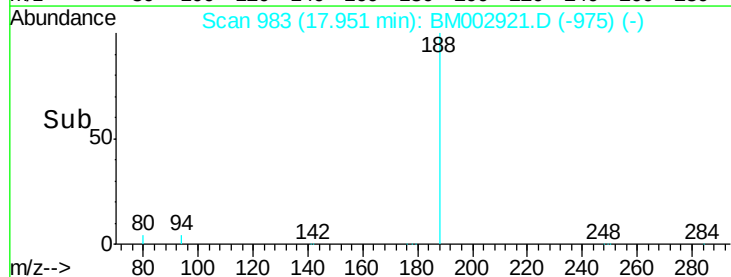
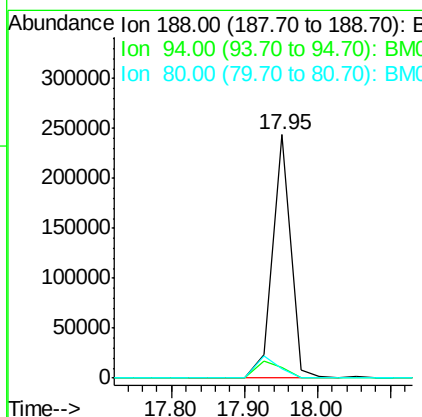
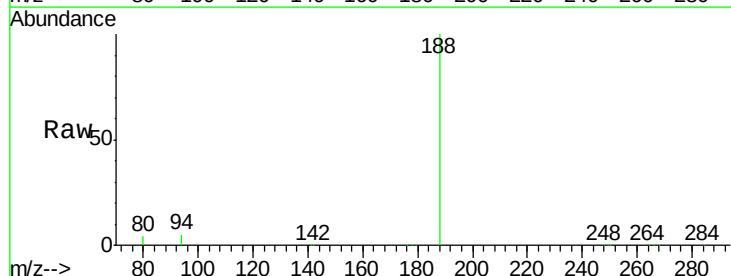
Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-106

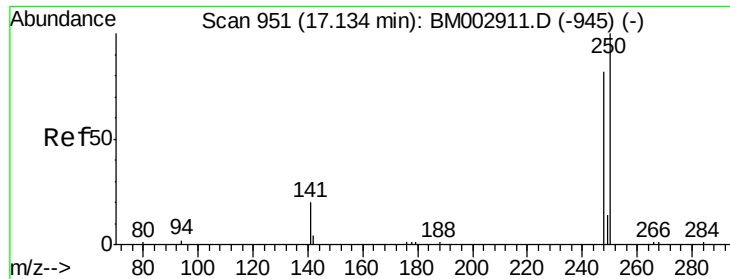
Tot Ion:166 Resp: 412
 Ion Ratio Lower Upper
 166 100
 165 0.0 77.3 115.9#
 167 26.0 10.9 16.3#



#19
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.95 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: BM002921.D
 Acq: 15 Oct 2015 19:21

Tgt Ion:188 Resp: 426052
 Ion Ratio Lower Upper
 188 100
 94 4.5 15.2 22.8#
 80 3.9 15.9 23.9#





#20

4-Bromophenyl-phenylether

Concen: 0.04 ng

RT: 17.13 min Scan# 951

Delta R.T. -0.00 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

Instrument :

BNA_M

ClientSampleId :

RAV-GT-106

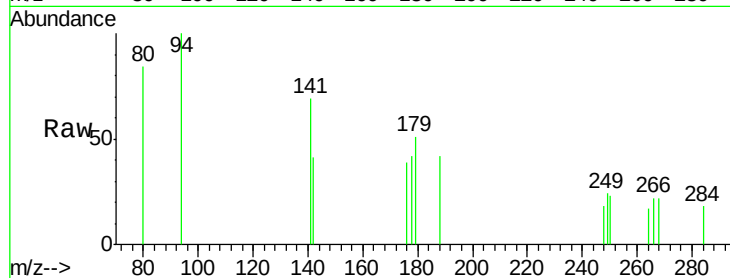
Tot Ion:248 Resp: 751

Ion Ratio Lower Upper

248 100

250 0.0 71.4 107.2#

141 0.0 54.6 82.0#

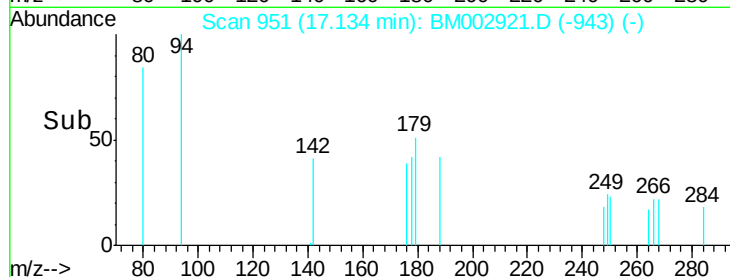


Abundance Ion 248.00 (247.70 to 248.70): E

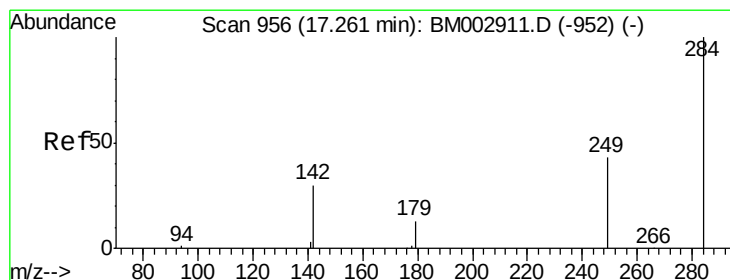
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->



Time-->



#21

Hexachlorobenzene

Concen: Below Cal

RT: 17.24 min Scan# 955

Delta R.T. -0.03 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

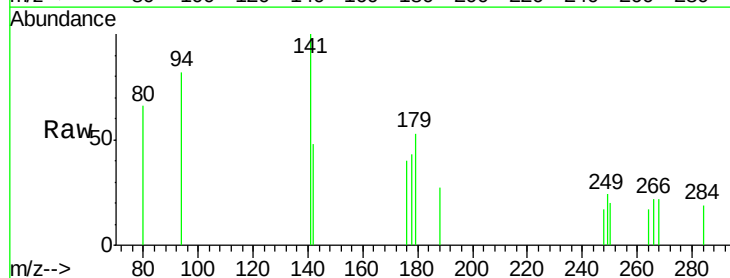
Tgt Ion:284 Resp: 34

Ion Ratio Lower Upper

284 100

142 441.2 0.0 0.0#

249 0.0 20.7 31.1#

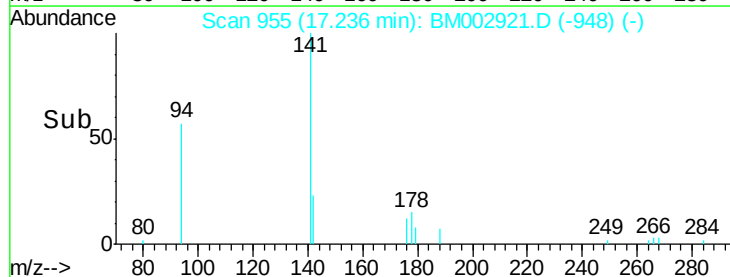


Abundance Ion 283.80 (283.50 to 284.50): E

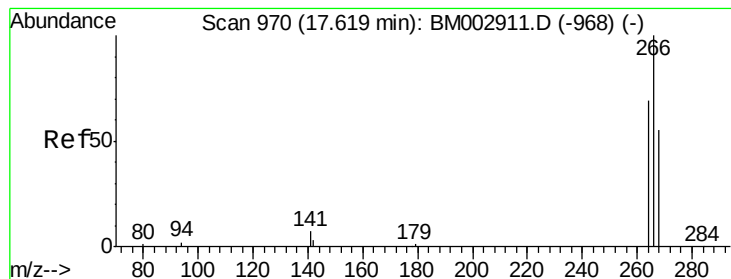
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

Time-->



Time-->



#22

Pentachlorophenol

Concen: 0.58 ng

RT: 17.64 min Scan# 971

Delta R.T. 0.02 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

Instrument :

BNA_M

ClientSampleId :

RAV-GT-106

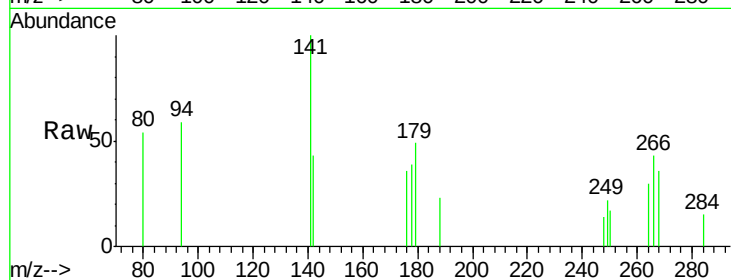
Tot Ion:266 Resp: 689

Ion Ratio Lower Upper

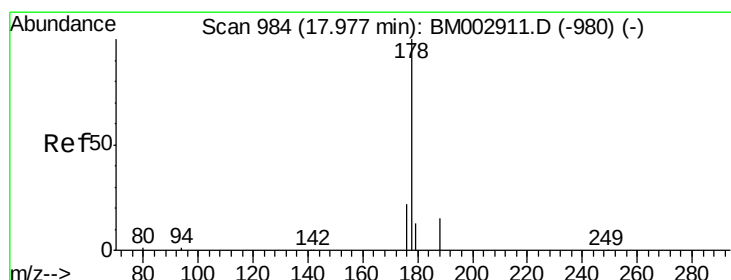
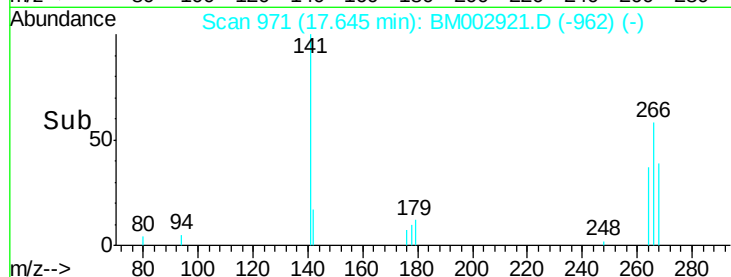
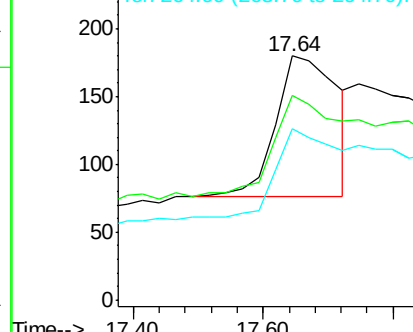
266 100

268 83.9 58.3 87.5

264 70.0 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: 0.02 ng

RT: 17.98 min Scan# 984

Delta R.T. -0.00 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

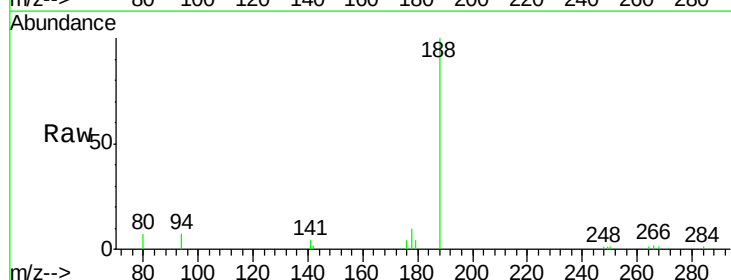
Tgt Ion:178 Resp: 2423

Ion Ratio Lower Upper

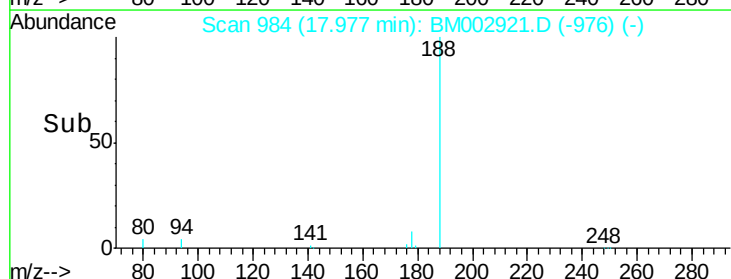
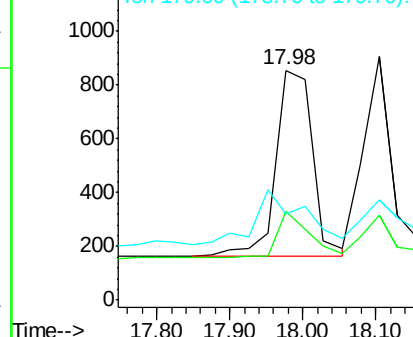
178 100

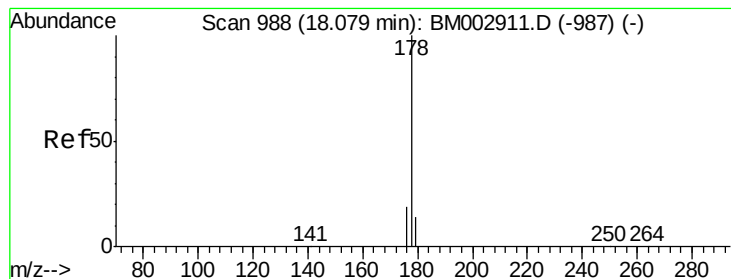
176 22.3 14.6 21.8#

179 0.0 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: 0.02 ng

RT: 18.10 min Scan# 989

Delta R.T. 0.02 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

Instrument :

BNA_M

ClientSampleId :

RAV-GT-106

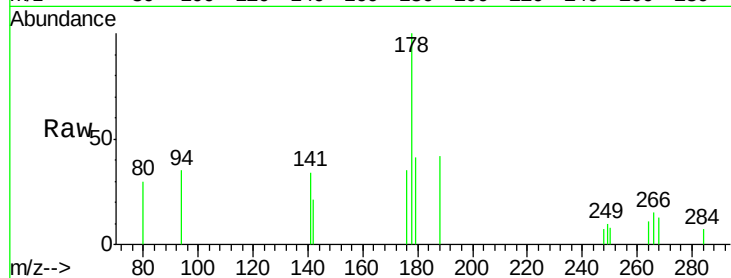
Tot Ion:178 Resp: 1889

Ion Ratio Lower Upper

178 100

176 19.8 13.9 20.9

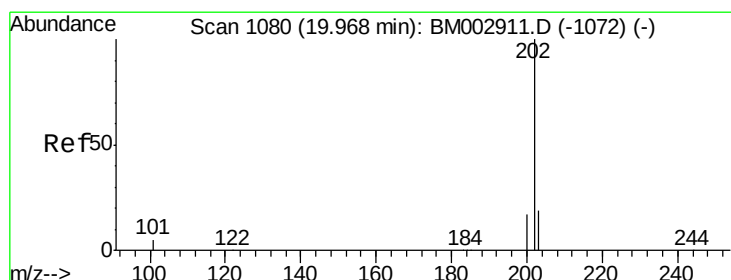
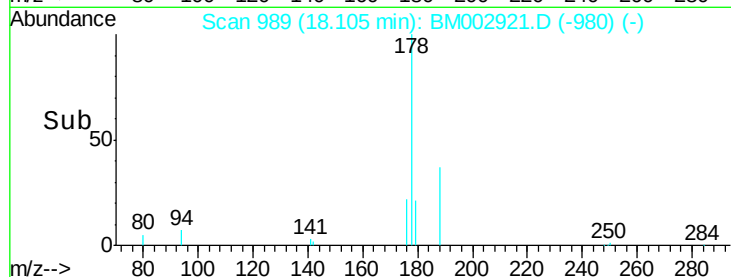
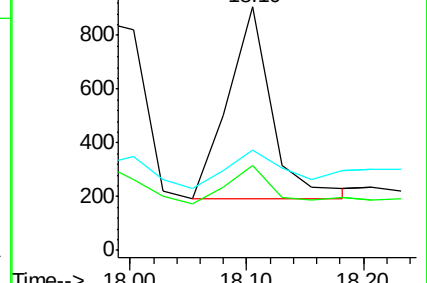
179 26.5 12.6 18.8#



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: 19.97 min Scan# 1080

Delta R.T. 0.01 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

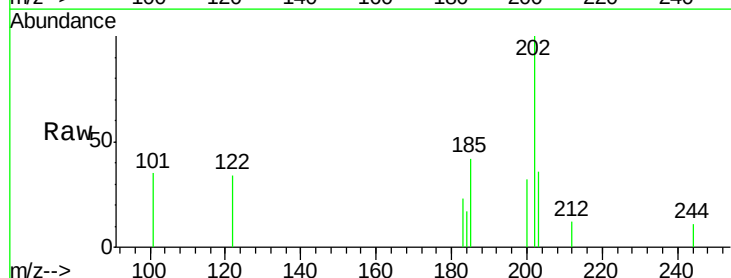
Tgt Ion:202 Resp: 2352

Ion Ratio Lower Upper

202 100

101 52.1 11.0 16.6#

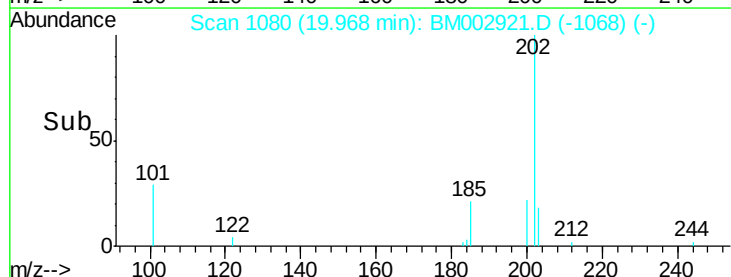
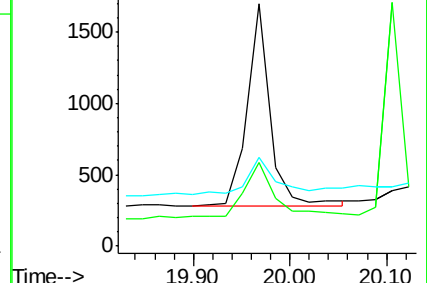
203 28.5 13.8 20.6#

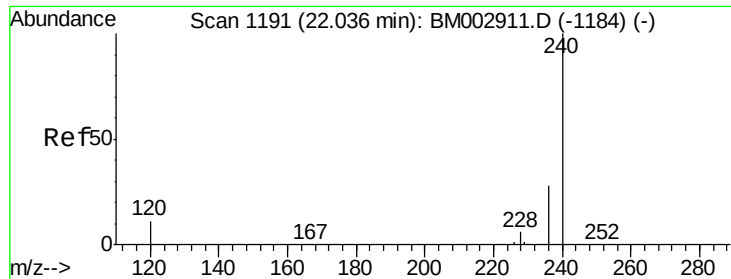


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

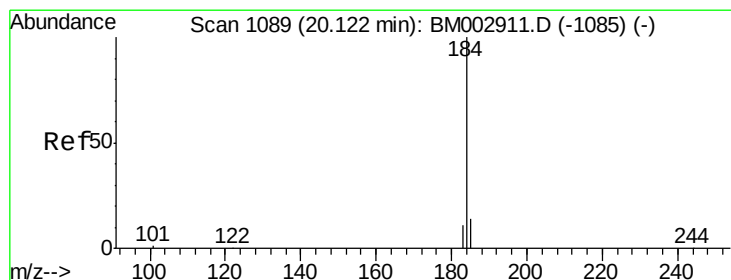
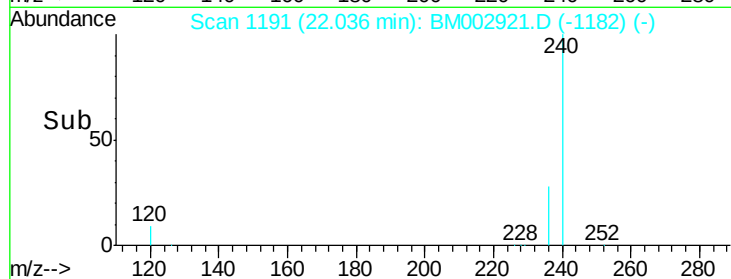
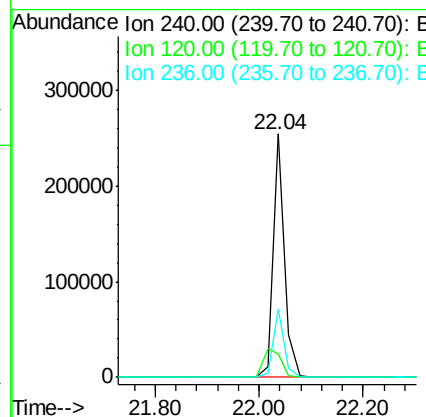
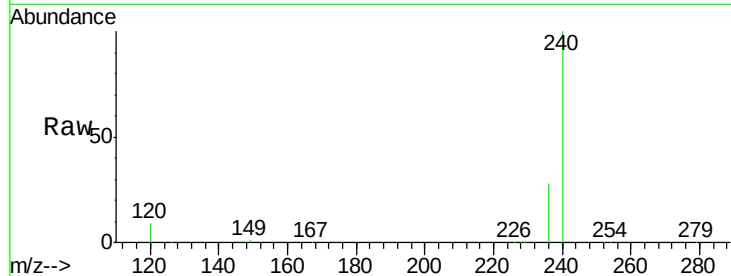




#26
Chrysene-d12
Concen: 5.00 ng
RT: 22.04 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BM002921.D
Acq: 15 Oct 2015 19:21

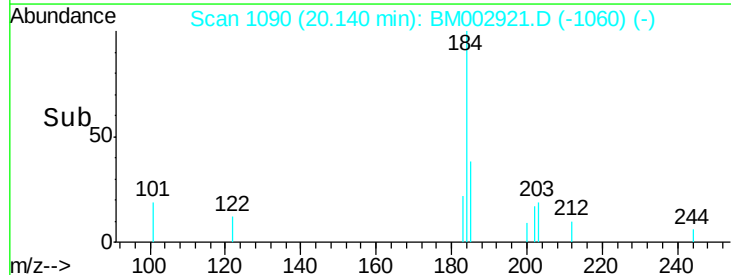
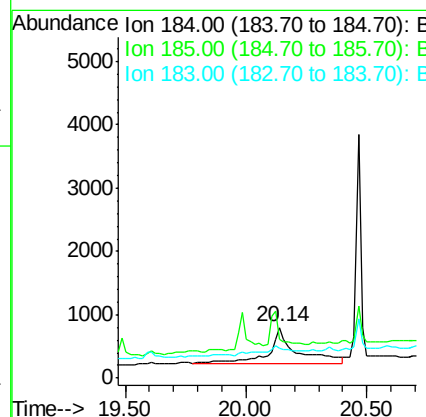
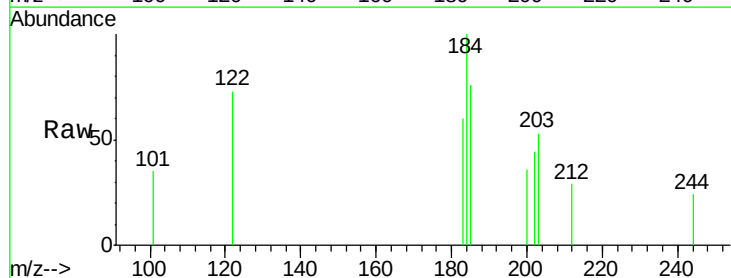
Instrument :
BNA_M
ClientSampleId :
RAV-GT-106

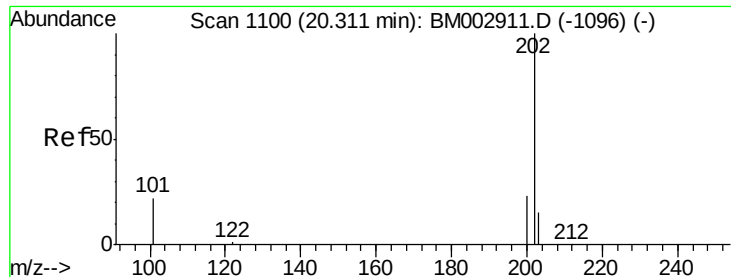
Tot Ion:240 Resp: 385731
Ion Ratio Lower Upper
240 100
120 9.4 3.3 4.9#
236 27.9 19.5 29.3



#27
Benzidine
Concen: 0.23 ng
RT: 20.14 min Scan# 1090
Delta R.T. 0.01 min
Lab File: BM002921.D
Acq: 15 Oct 2015 19:21

Tgt Ion:184 Resp: 4572
Ion Ratio Lower Upper
184 100
185 76.3 12.0 18.0#
183 59.9 8.9 13.3#

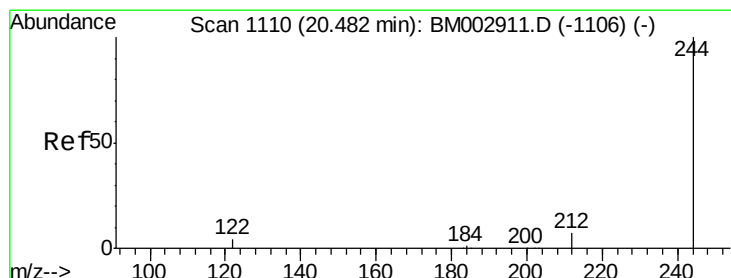
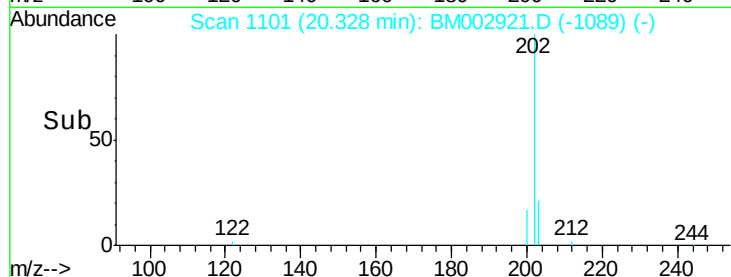
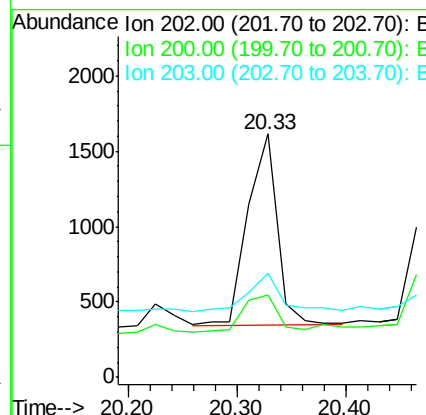
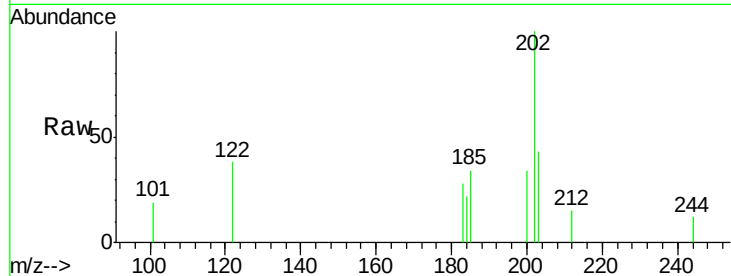




#28
Pvrene
Concen: 0.02 ng
RT: 20.33 min Scan# 1101
Delta R.T. 0.01 min
Lab File: BM002921.D
Acq: 15 Oct 2015 19:21

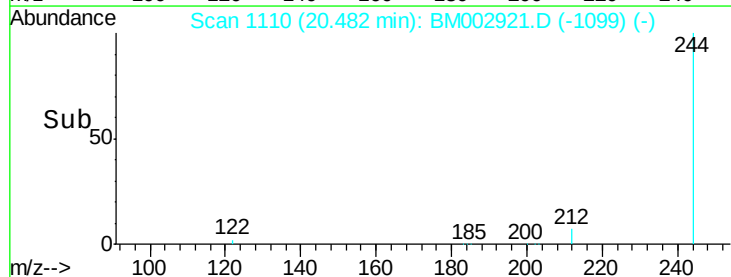
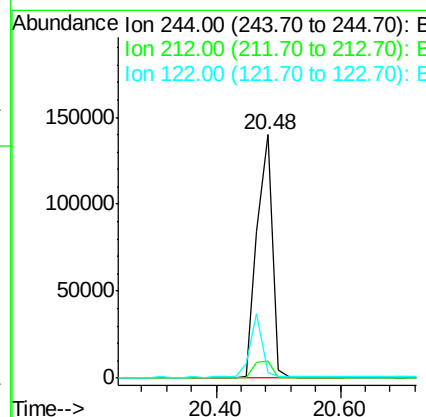
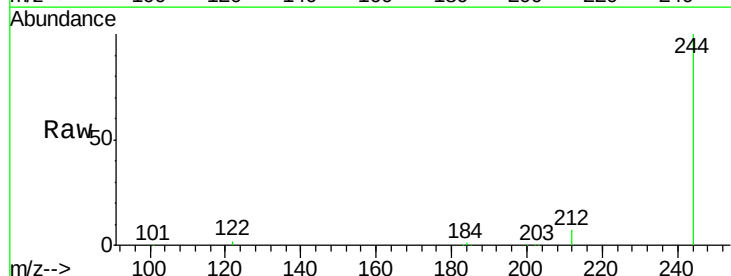
Instrument :
BNA_M
ClientSampleId :
RAV-GT-106

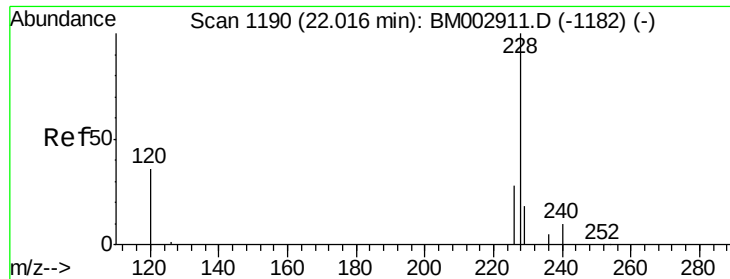
Tot Ion:202 Resp: 2374
Ion Ratio Lower Upper
202 100
200 23.3 16.2 24.4
203 24.6 13.8 20.8#



#29
Terphenyl-d14
Concen: 4.11 ng
RT: 20.48 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BM002921.D
Acq: 15 Oct 2015 19:21

Tgt Ion:244 Resp: 237315
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 2.1 2.2 3.2#





#30

Benzo(a)anthracene

Concen: 0.03 ng

RT: 22.02 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

Instrument :

BNA_M

ClientSampled :

RAV-GT-106

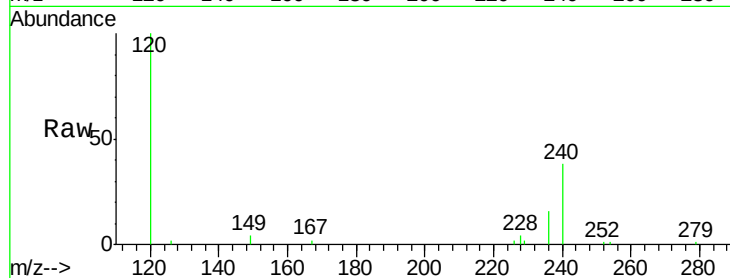
Tot Ion:228 Resp: 3761

Ion Ratio Lower Upper

228 100

226 42.4 19.0 28.6#

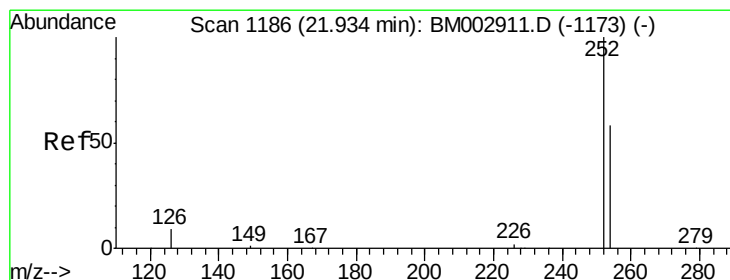
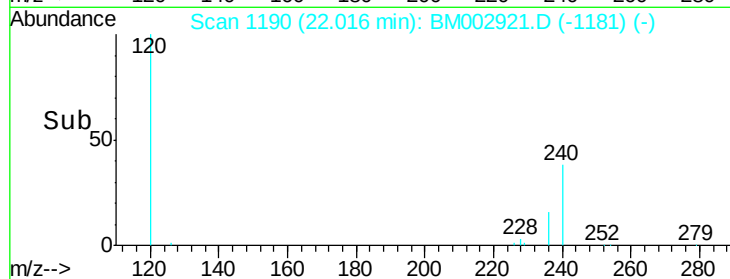
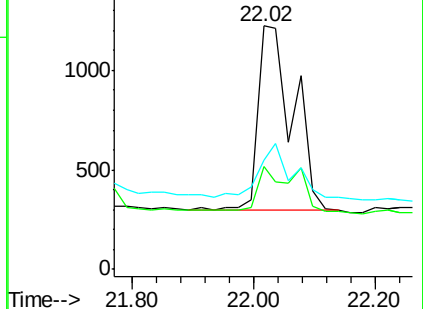
229 44.9 16.8 25.2#



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



#31

3,3'-Dichlorobenzidine

Concen: 0.01 ng

RT: 21.93 min Scan# 1186

Delta R.T. -0.01 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

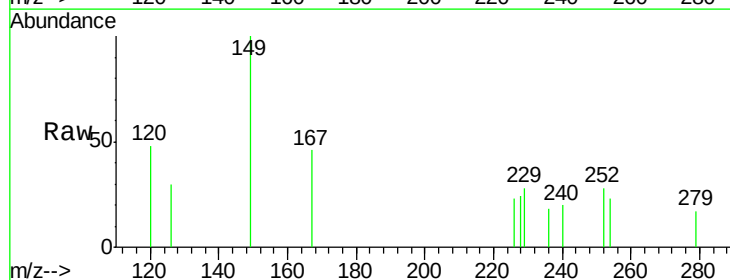
Tgt Ion:252 Resp: 235

Ion Ratio Lower Upper

252 100

254 81.9 54.1 81.1#

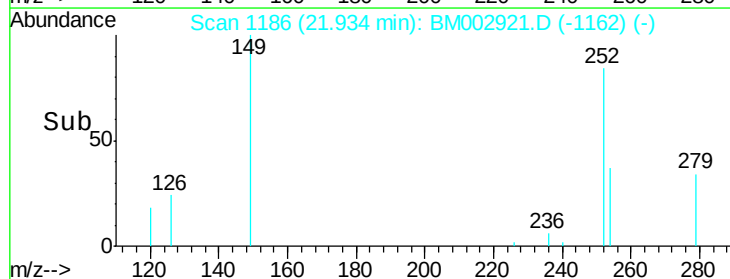
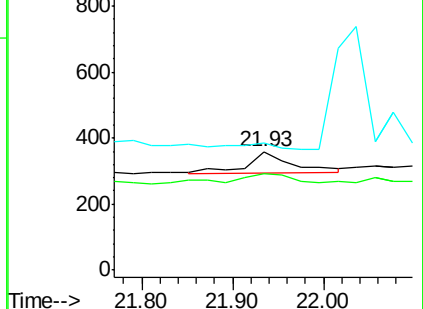
126 107.0 4.1 6.1#

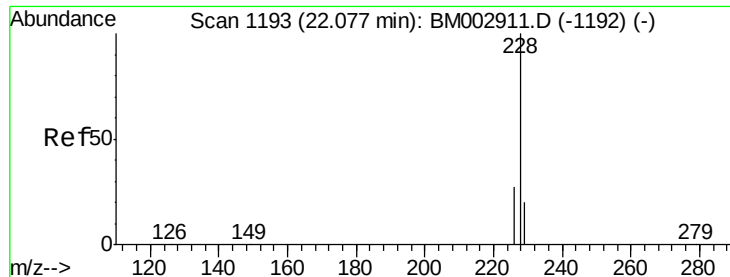


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#32

Chrysene

Concen: 0.04 ng

RT: 22.02 min Scan# 1190

Delta R.T. -0.07 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

Instrument :

BNA_M

ClientSampleId :

RAV-GT-106

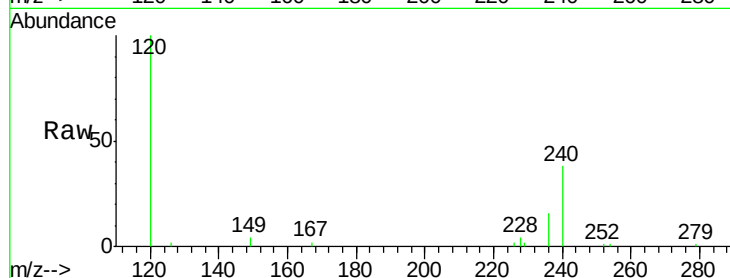
Tot Ion:228 Resp: 3904

Ion Ratio Lower Upper

228 100

226 42.4 20.6 30.8#

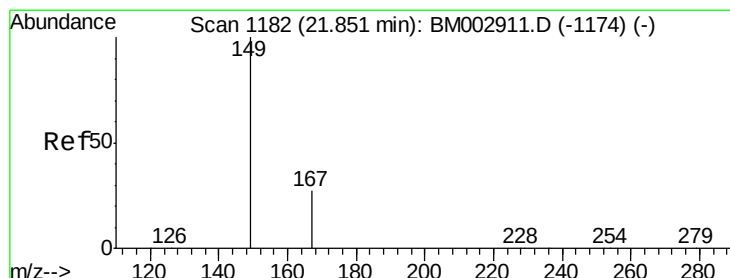
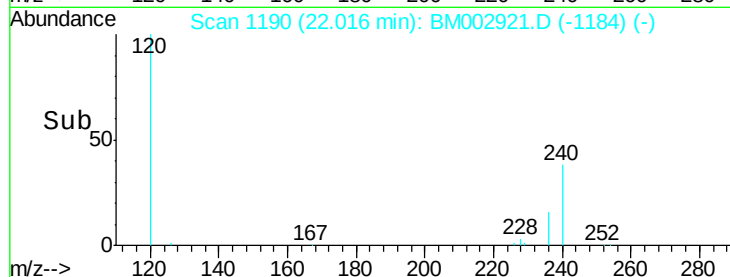
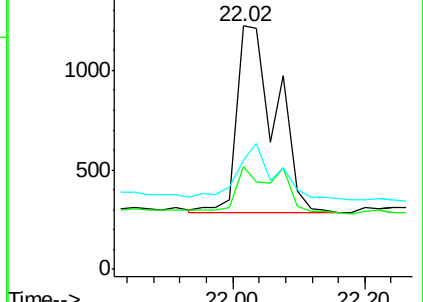
229 44.9 17.4 26.2#



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: 0.69 ng

RT: 21.85 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

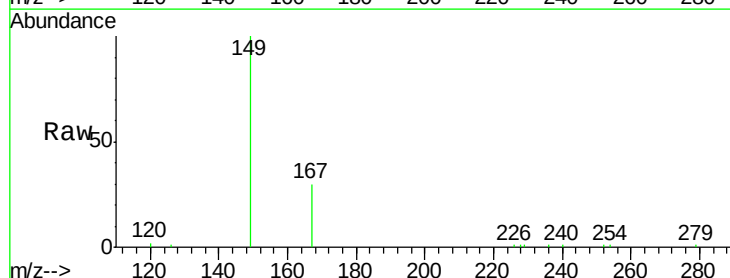
Tgt Ion:149 Resp: 35313

Ion Ratio Lower Upper

149 100

167 27.7 17.2 25.8#

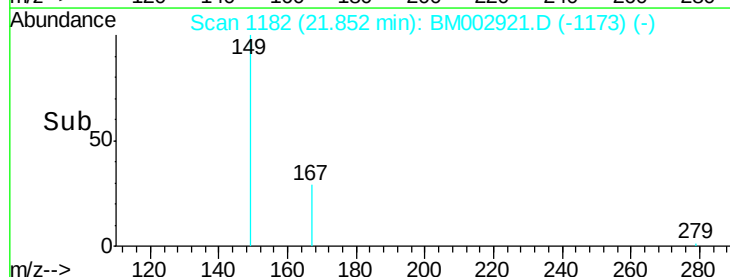
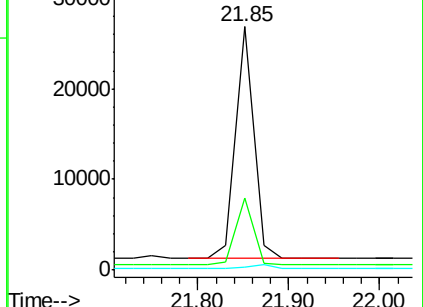
279 0.0 2.2 3.4#

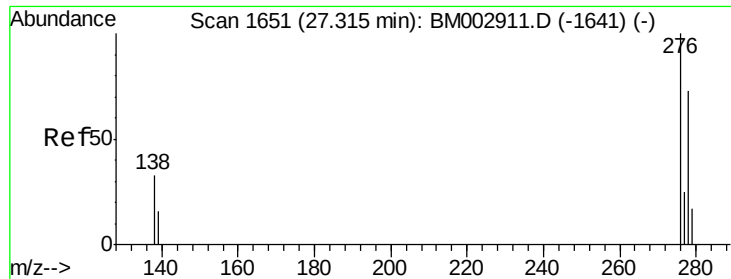


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

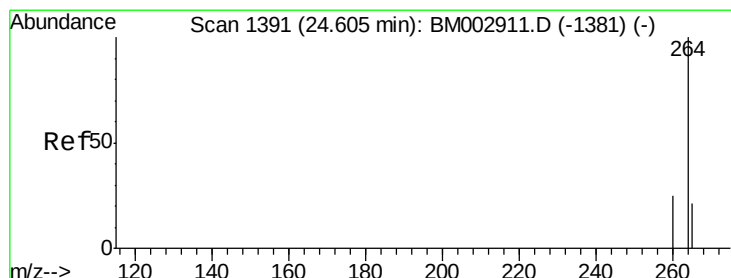
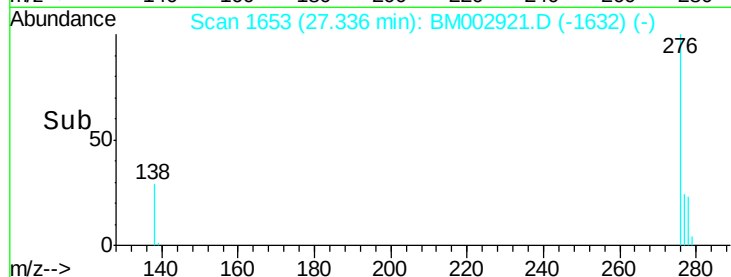
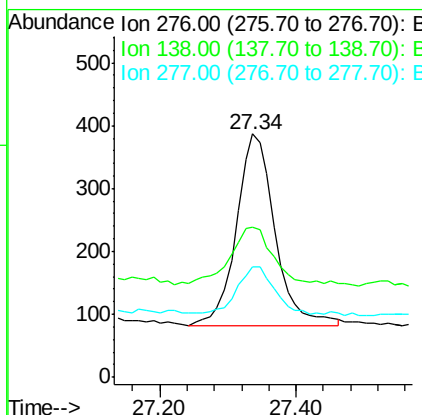
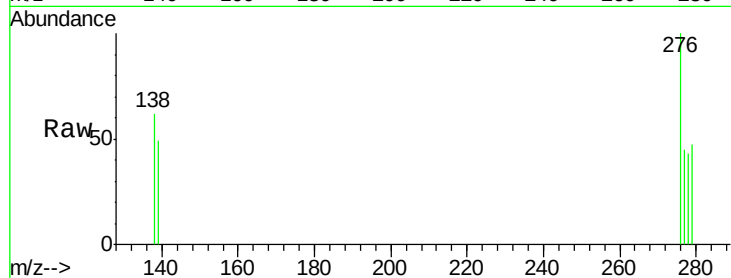




#34
 Indeno(1,2,3-cd)pyrene
 Concen: 0.01 ng
 RT: 27.34 min Scan# 1653
 Delta R.T. 0.02 min
 Lab File: BM002921.D
 Acq: 15 Oct 2015 19:21

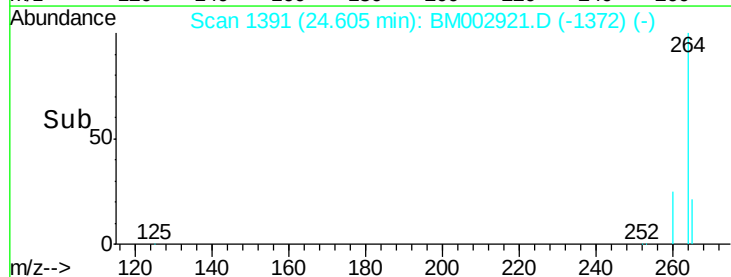
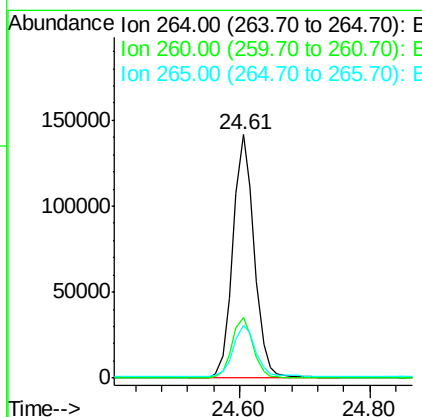
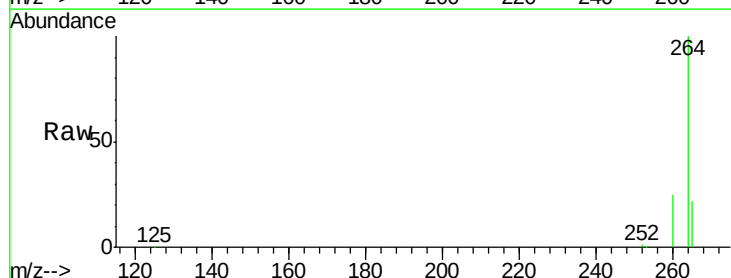
Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-106

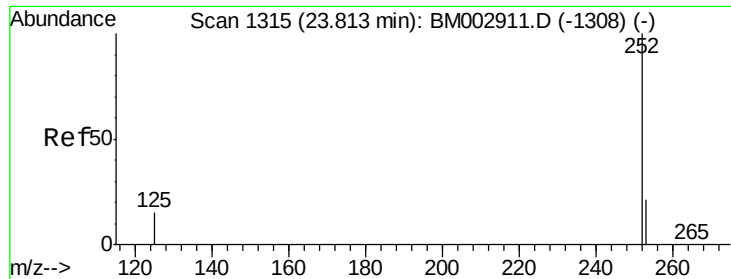
Tot Ion:276 Resp: 1208
 Ion Ratio Lower Upper
 276 100
 138 34.2 29.0 43.6
 277 23.8 19.8 29.8



#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.61 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: BM002921.D
 Acq: 15 Oct 2015 19:21

Tgt Ion:264 Resp: 318772
 Ion Ratio Lower Upper
 264 100
 260 24.7 20.1 30.1
 265 22.0 17.6 26.4





#36

Benzo(b)fluoranthene

Concen: 0.03 ng

RT: 23.83 min Scan# 1317

Delta R.T. 0.01 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

Instrument :

BNA_M

ClientSampleId :

RAV-GT-106

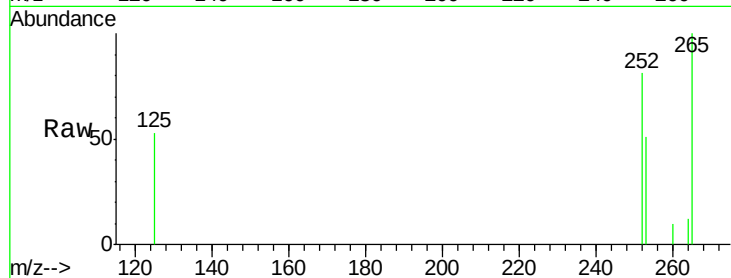
Tot Ion:252 Resp: 2882

Ion Ratio Lower Upper

252 100

253 63.6 17.5 26.3#

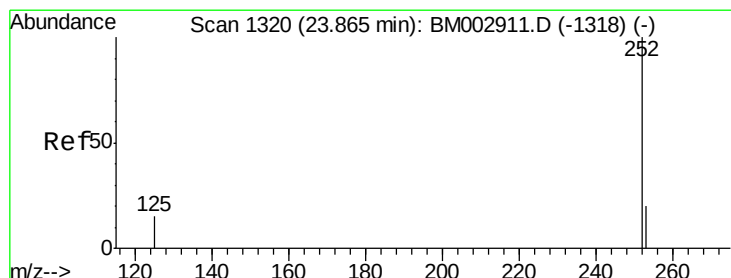
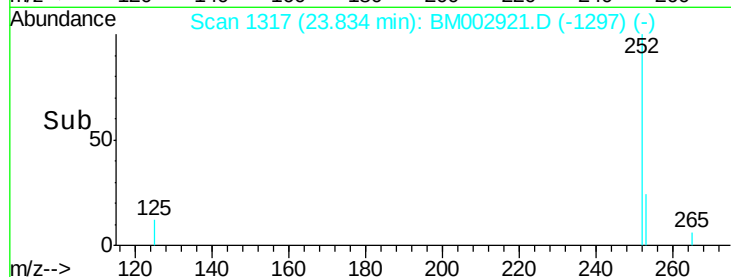
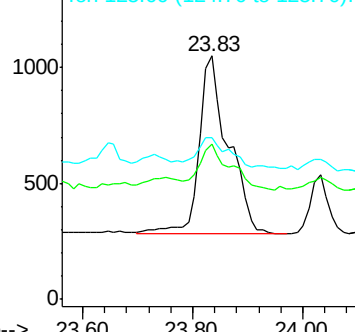
125 66.2 12.4 18.6#



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: 0.03 ng

RT: 23.83 min Scan# 1317

Delta R.T. -0.04 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

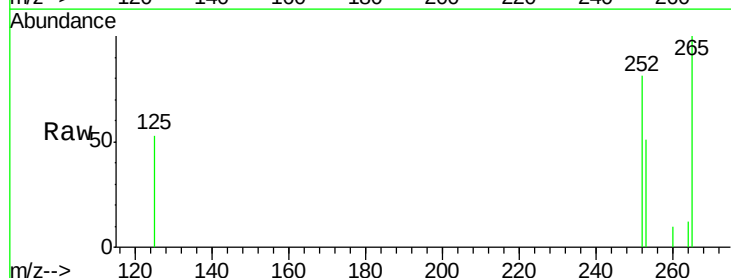
Tgt Ion:252 Resp: 2882

Ion Ratio Lower Upper

252 100

253 63.6 17.9 26.9#

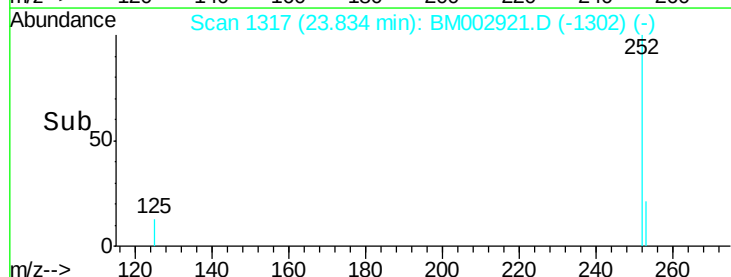
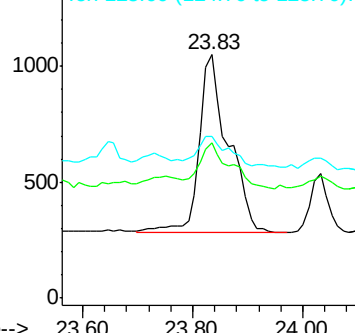
125 66.2 12.3 18.5#

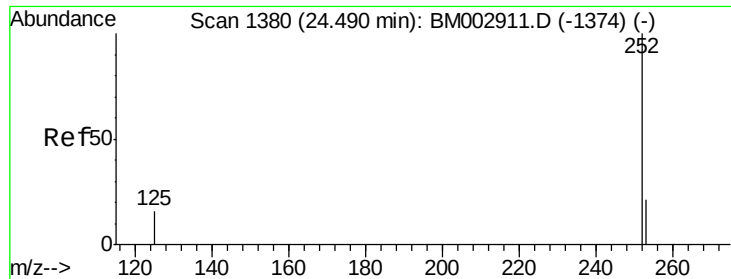


Abundance Ion 252.00 (251.70 to 252.70): E

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# 1381

Delta R.T. 0.00 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

Instrument :

BNA_M

ClientSampled :

RAV-GT-106

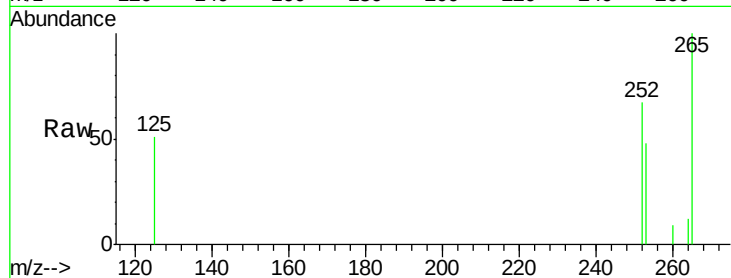
Tot Ion:252 Resp: 1213

Ion Ratio Lower Upper

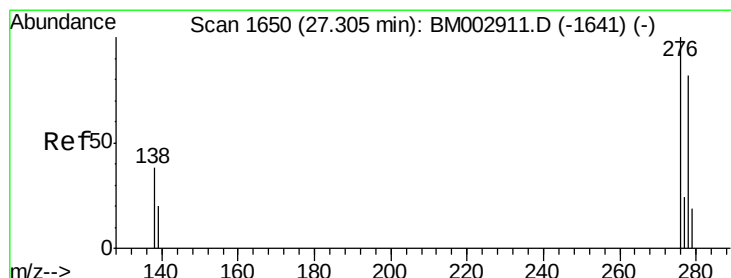
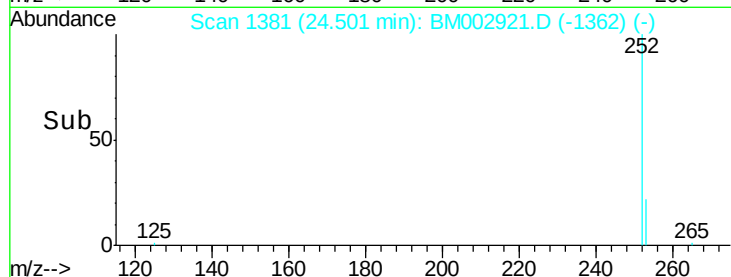
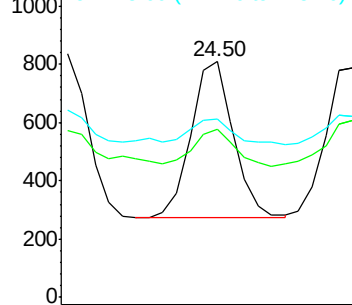
252 100

253 71.3 18.4 27.6#

125 75.9 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: 0.00 ng

RT: 27.32 min Scan# 1651

Delta R.T. 0.00 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

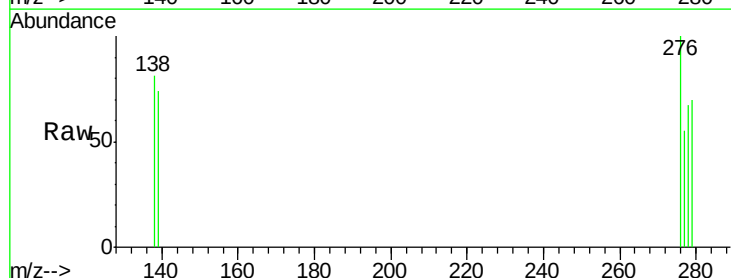
Tgt Ion:278 Resp: 379

Ion Ratio Lower Upper

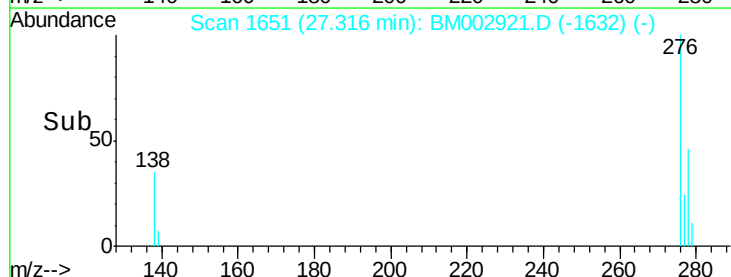
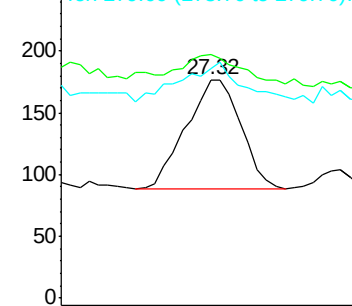
278 100

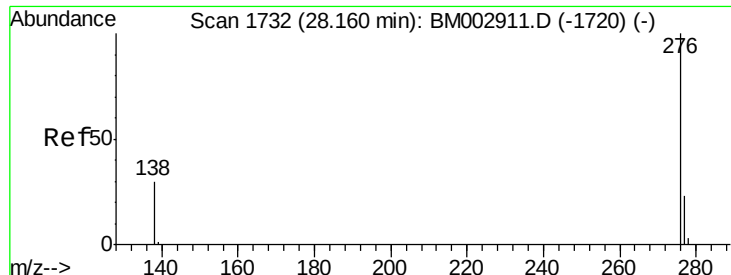
139 111.3 19.8 29.6#

279 105.1 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: 0.02 ng

RT: 28.18 min Scan# 1734

Delta R.T. 0.02 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

Instrument :

BNA_M

ClientSampleId :

RAV-GT-106

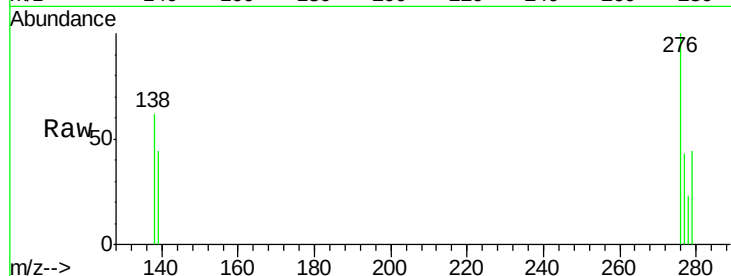
Tot Ion: 276 Resp: 1278

Ion Ratio Lower Upper

276 100

277 42.8 19.4 29.0#

138 61.9 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

