

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101515\
 Data File : BM002926.D
 Acq On : 15 Oct 2015 22:22
 Operator : UM/IZ
 Sample : G4018-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-101

Quant Time: Oct 16 07:02:16 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	106572	5.00	ng	0.00
7) Naphthalene-d8	11.49	136	450011	5.00	ng	-0.01
13) Acenaphthene-d10	15.23	164	233122	5.00	ng	0.00
19) Phenanthrene-d10	17.95	188	557544	5.00	ng	-0.01
26) Chrysene-d12	22.03	240	419377	5.00	ng	-0.01
35) Perylene-d12	24.60	264	353573	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	6.12	112	66174	3.32	ng	-0.03
5) Phenol-d6	7.79	99	57584	2.26	ng	-0.02
8) Nitrobenzene-d5	9.85	82	86729	4.02	ng	-0.02
14) 2,4,6-Tribromophenol	16.71	330	86121	9.41	ng	0.00
15) 2-Fluorobiphenyl	13.87	172	303688	4.07	ng	0.00
29) Terphenyl-d14	20.48	244	299003	4.76	ng	-0.01

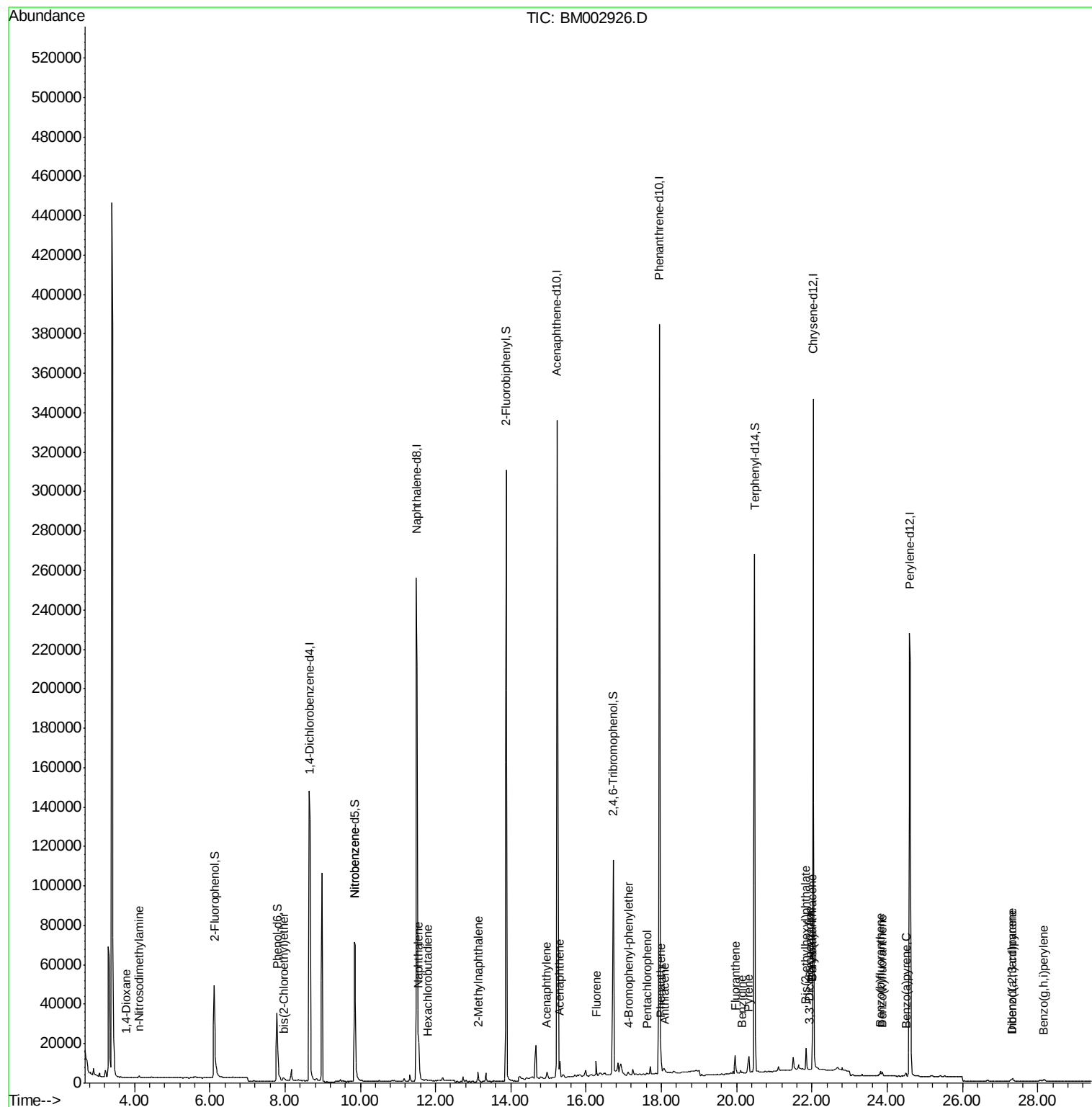
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.78	88	383	0.04	ng	# 30
3) n-Nitrosodimethylamine	4.12	42	246	0.03	ng	# 1
6) bis(2-Chloroethyl)ether	7.96	93	3162	0.13	ng	# 30
9) Nitrobenzene	9.85	77	265	0.01	ng	# 37
10) Naphthalene	11.54	128	37977	0.38	ng	# 97
11) Hexachlorobutadiene	11.80	225	36	0.00	ng	# 74
12) 2-Methylnaphthalene	13.12	142	4232	0.06	ng	# 88
16) Acenaphthylene	14.96	152	4210	0.04	ng	# 77
17) Acenaphthene	15.29	154	5369	0.08	ng	# 100
18) Fluorene	16.27	166	5850	0.07	ng	# 96
20) 4-Bromophenyl-phenylether	17.13	248	1108	0.05	ng	# 45
21) Hexachlorobenzene	17.28	284	265	Below Cal		# 49
22) Pentachlorophenol	17.61	266	474	0.41	ng	# 90
23) Phenanthrene	18.00	178	9037	0.07	ng	# 81
24) Anthracene	18.07	178	3944	0.03	ng	# 96
25) Fluoranthene	19.96	202	9690	0.07	ng	# 84
27) Benzidine	20.13	184	405	0.16	ng	# 1
28) Pyrene	20.32	202	9440	0.08	ng	# 96
30) Benzo(a)anthracene	22.01	228	5368	0.04	ng	# 69
31) 3,3'-Dichlorobenzidine	21.93	252	604	0.01	ng	# 63
32) Chrysene	22.01	228	5316	0.05	ng	# 72
33) Bis(2-ethylhexyl)phthalate	21.85	149	11957	0.42	ng	# 91
34) Indeno(1,2,3-cd)pyrene	27.32	276	2169	0.02	ng	# 97
36) Benzo(b)fluoranthene	23.82	252	3524	0.03	ng	# 26
37) Benzo(k)fluoranthene	23.87	252	2362	0.02	ng	# 15
38) Benzo(a)pyrene	24.49	252	2246	0.03	ng	# 13
39) Dibenzo(a,h)anthracene	27.31	278	1505	0.02	ng	# 21
40) Benzo(g,h,i)perylene	28.16	276	1913	0.02	ng	# 56

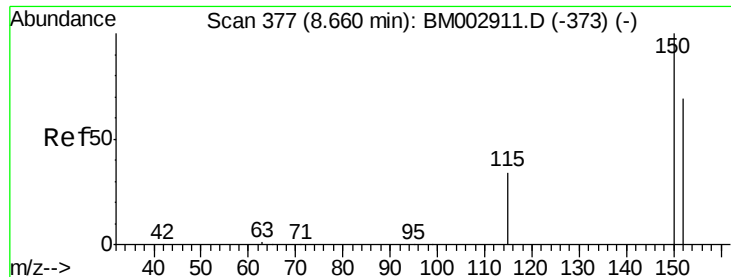
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM002926.D

Acq: 15 Oct 2015 22:22

Instrument :

BNA_M

ClientSampleId :

RAV-GT-101

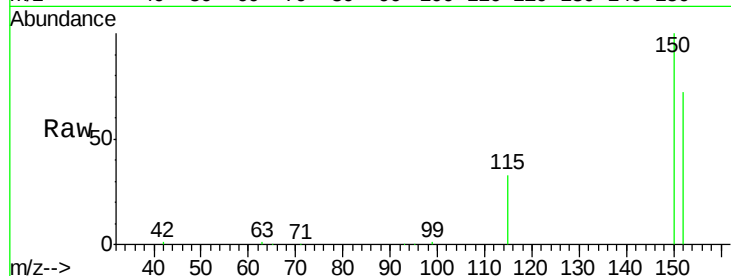
Tot Ion:152 Resp: 106572

Ion Ratio Lower Upper

152 100

150 139.8 113.0 169.6

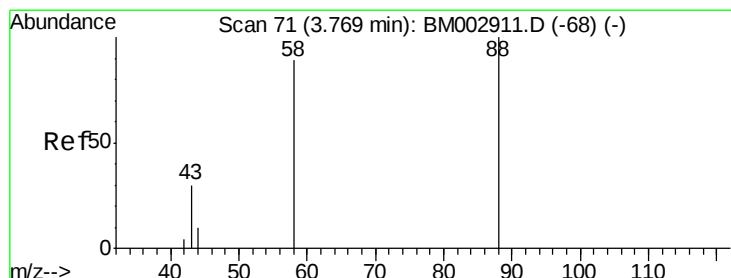
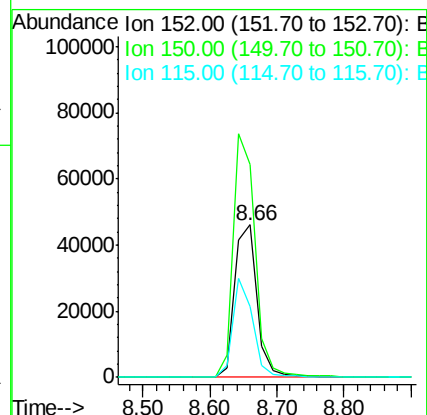
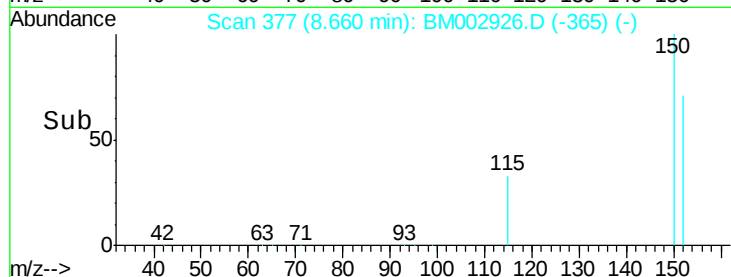
115 46.4 37.9 56.9



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



#2

1,4-Dioxane

Concen: 0.04 ng

RT: 3.78 min Scan# 72

Delta R.T. 0.02 min

Lab File: BM002926.D

Acq: 15 Oct 2015 22:22

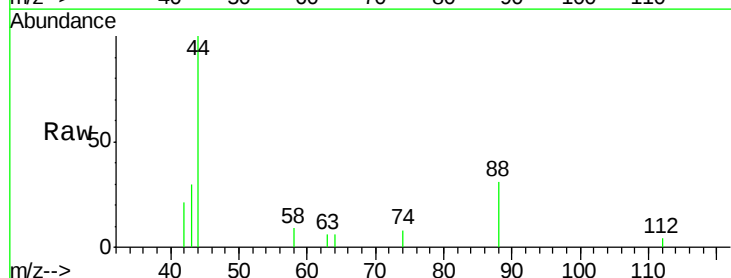
Tgt Ion: 88 Resp: 383

Ion Ratio Lower Upper

88 100

58 31.3 56.7 85.1#

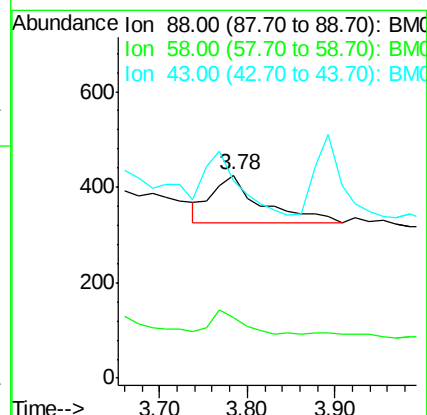
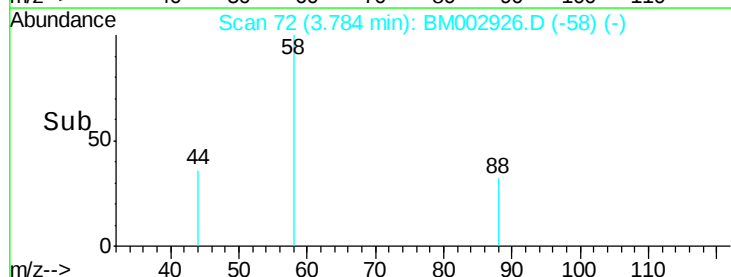
43 94.5 22.0 33.0#

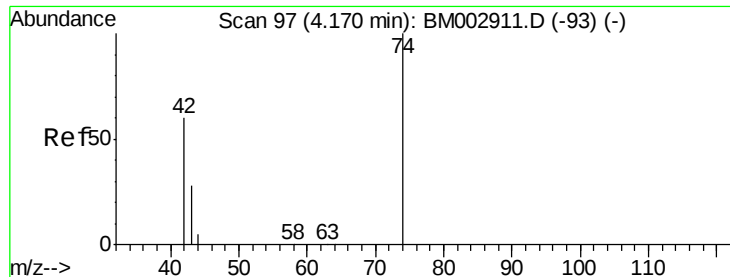


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 0.03 ng

RT: 4.12 min Scan# 94

Delta R.T. -0.05 min

Lab File: BM002926.D

Acq: 15 Oct 2015 22:22

Instrument :

BNA_M

ClientSampleId :

RAV-GT-101

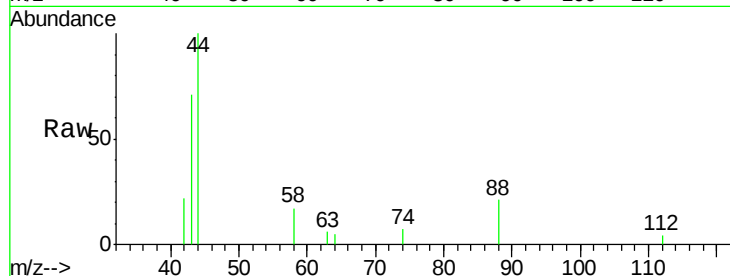
Tot Ion: 42 Resp: 246

Ion Ratio Lower Upper

42 100

74 2.4 119.7 179.5#

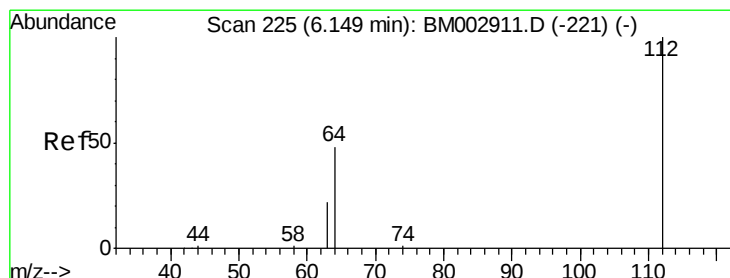
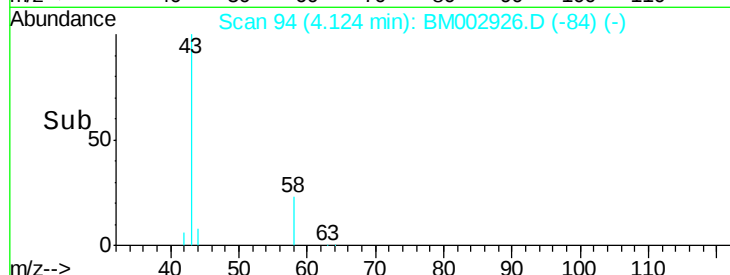
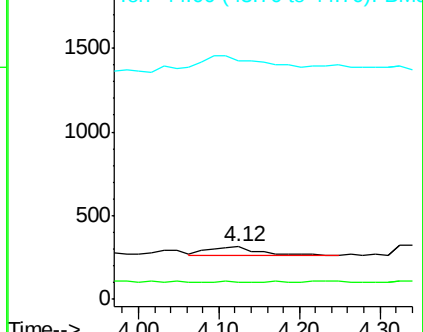
44 0.0 9.8 14.6#



Abundance Ion 42.00 (41.70 to 42.70): BM002911.D (-93) (-)

Ion 74.00 (73.70 to 74.70): BM002911.D (-93) (-)

Ion 44.00 (43.70 to 44.70): BM002911.D (-93) (-)



#4

2-Fluorophenol

Concen: 3.32 ng

RT: 6.12 min Scan# 223

Delta R.T. -0.03 min

Lab File: BM002926.D

Acq: 15 Oct 2015 22:22

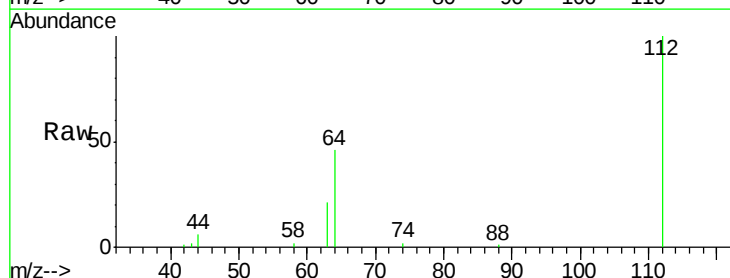
Tgt Ion: 112 Resp: 66174

Ion Ratio Lower Upper

112 100

64 51.5 42.0 63.0

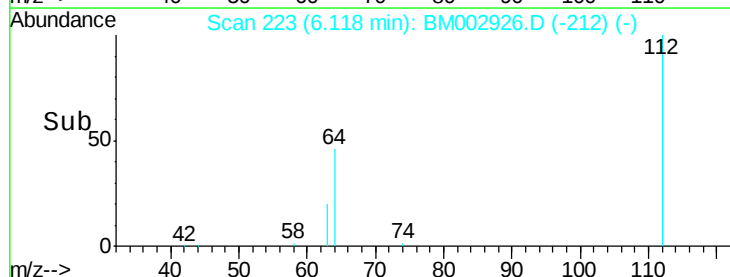
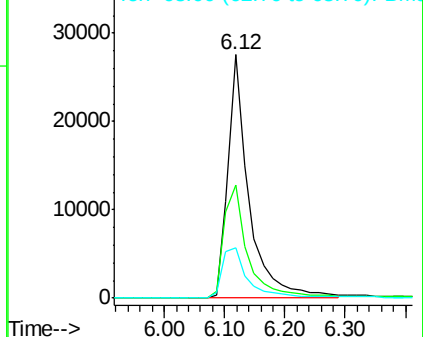
63 24.6 20.0 30.0

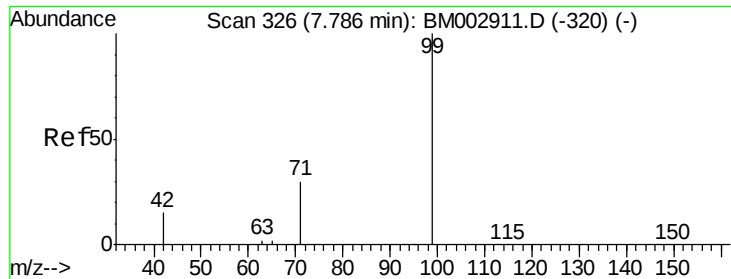


Abundance Ion 112.00 (111.70 to 112.70): BM002911.D (-221) (-)

Ion 64.00 (63.70 to 64.70): BM002911.D (-221) (-)

Ion 63.00 (62.70 to 63.70): BM002911.D (-221) (-)





#5

Phenol-d6

Concen: 2.26 ng

RT: 7.79 min Scan# 326

Delta R.T. -0.02 min

Lab File: BM002926.D

Acq: 15 Oct 2015 22:22

Instrument :

BNA_M

ClientSampleId :

RAV-GT-101

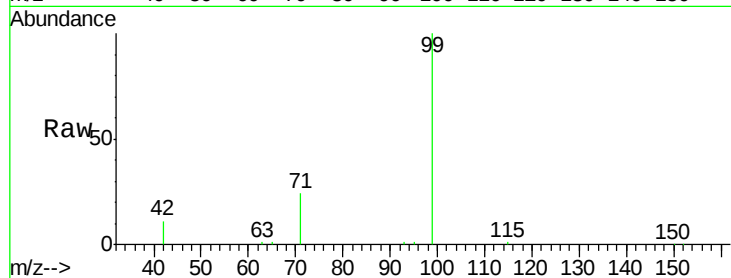
Tot Ion: 99 Resp: 57584

Ion Ratio Lower Upper

99 100

42 14.5 12.4 18.6

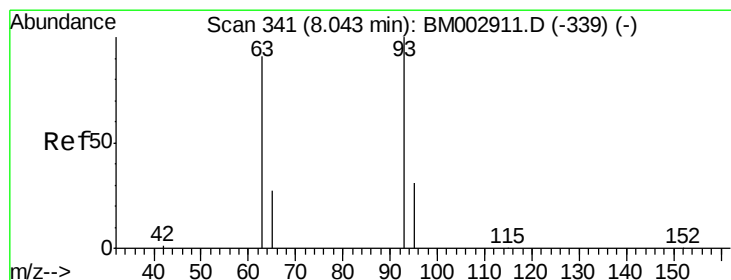
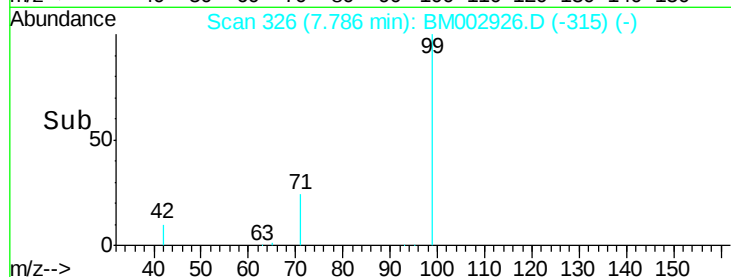
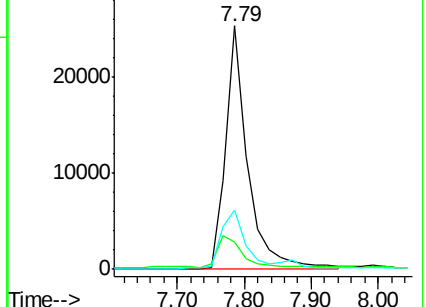
71 29.5 21.4 32.0



Abundance Ion 99.00 (98.70 to 99.70): BM002926.D (-315) (-)

Ion 42.00 (41.70 to 42.70): BM002926.D (-315) (-)

Ion 71.00 (70.70 to 71.70): BM002926.D (-315) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.13 ng

RT: 7.96 min Scan# 336

Delta R.T. -0.10 min

Lab File: BM002926.D

Acq: 15 Oct 2015 22:22

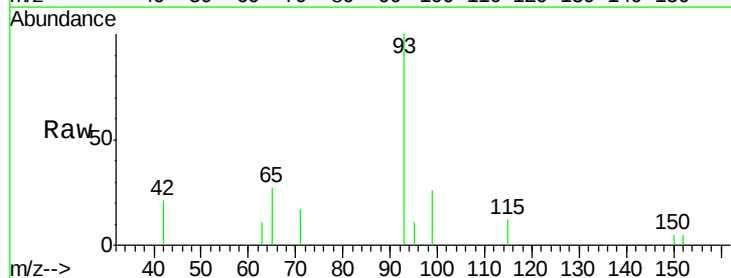
Tgt Ion: 93 Resp: 3162

Ion Ratio Lower Upper

93 100

63 4.9 52.9 79.3#

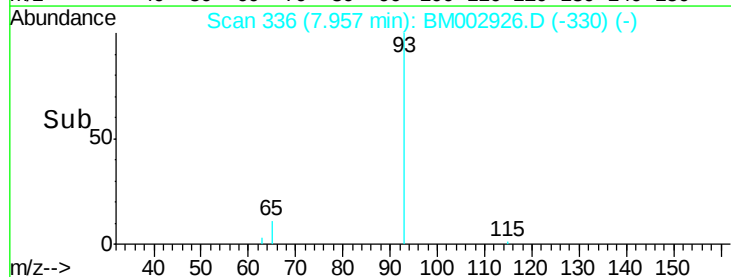
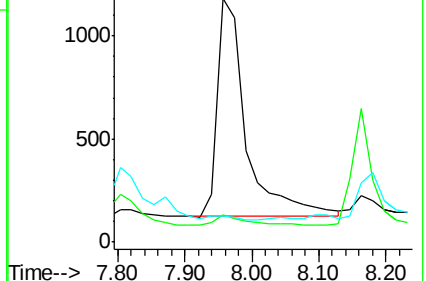
95 1.4 25.2 37.8#

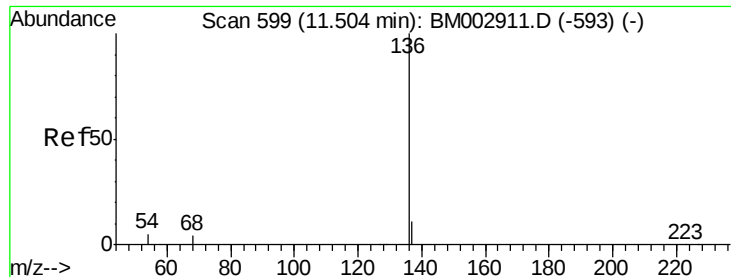


Abundance Ion 93.00 (92.70 to 93.70): BM002926.D (-330) (-)

Ion 63.00 (62.70 to 63.70): BM002926.D (-330) (-)

Ion 95.00 (94.70 to 95.70): BM002926.D (-330) (-)





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 11.49 min Scan# 599

Delta R.T. -0.01 min

Lab File: BM002926.D

Acq: 15 Oct 2015 22:22

Instrument :

BNA_M

ClientSampleId :

RAV-GT-101

Tot Ion:136 Resp: 450011

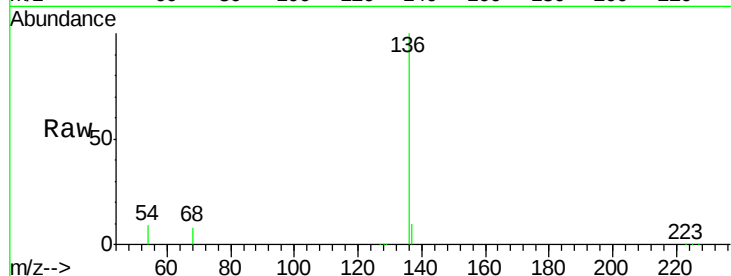
Ion Ratio Lower Upper

136 100

137 10.1 9.1 13.7

54 9.4 3.5 5.3#

68 7.8 3.3 4.9#

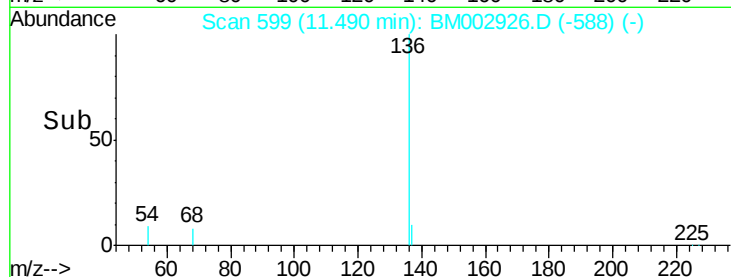


Abundance Ion 136.00 (135.70 to 136.70): E

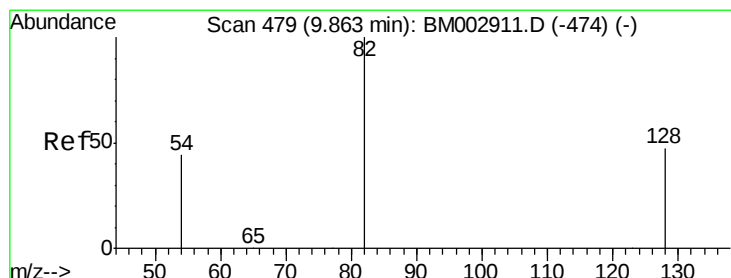
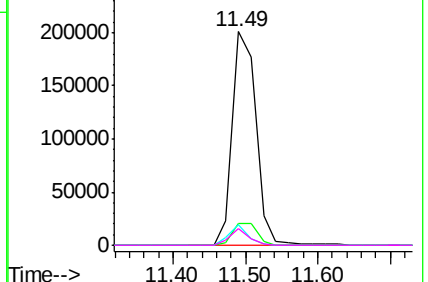
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



Time-->



#8

Nitrobenzene-d5

Concen: 4.02 ng

RT: 9.85 min Scan# 478

Delta R.T. -0.02 min

Lab File: BM002926.D

Acq: 15 Oct 2015 22:22

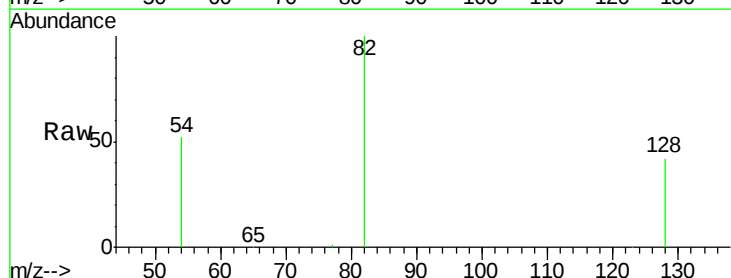
Tgt Ion: 82 Resp: 86729

Ion Ratio Lower Upper

82 100

128 42.3 34.1 51.1

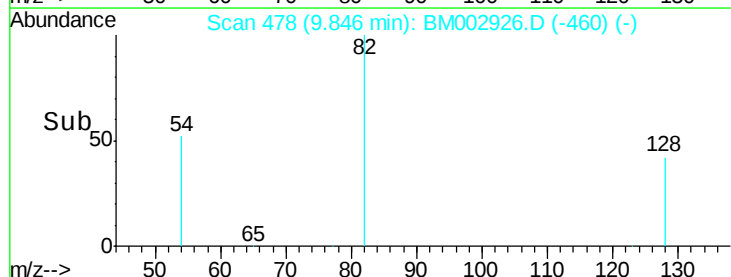
54 51.8 42.6 63.8



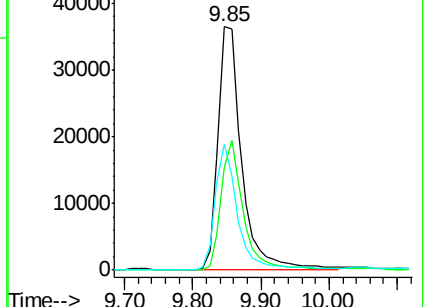
Abundance Ion 82.00 (81.70 to 82.70): BM

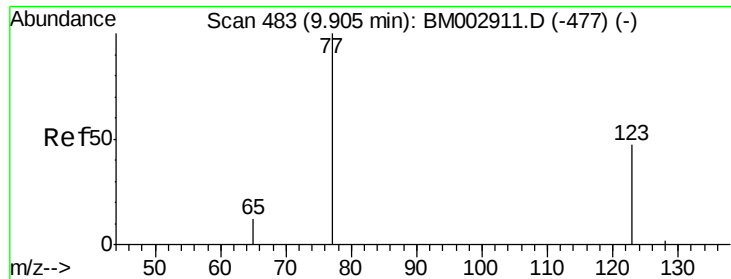
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM



Time-->

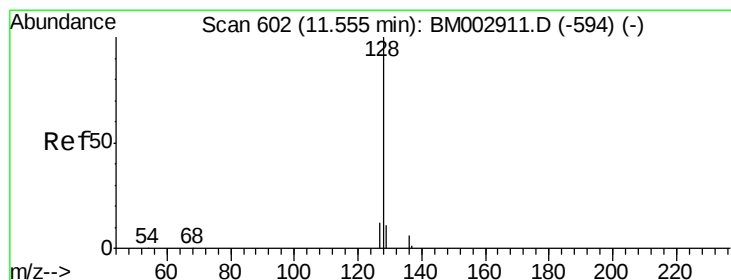
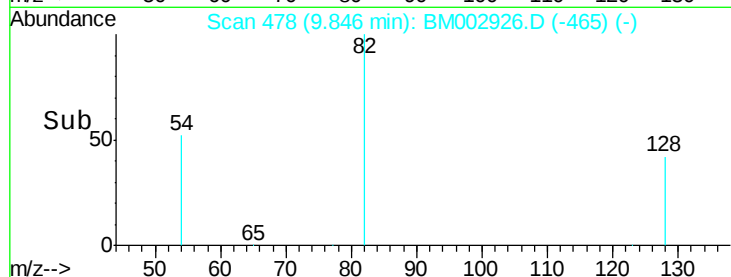
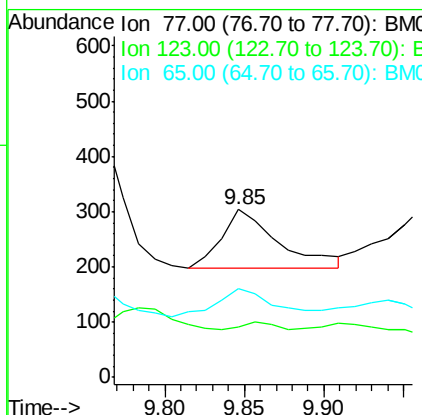
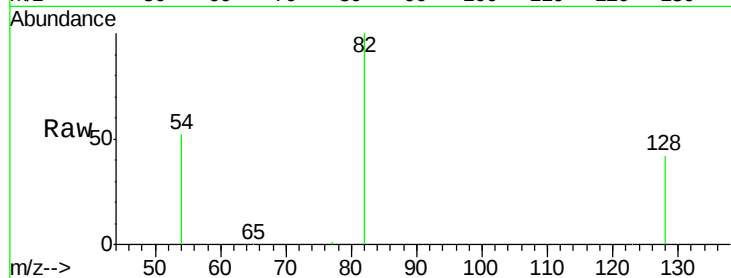




#9
 Nitrobenzene
 Concen: 0.01 ng
 RT: 9.85 min Scan# 478
 Delta R.T. -0.07 min
 Lab File: BM002926.D
 Acq: 15 Oct 2015 22:22

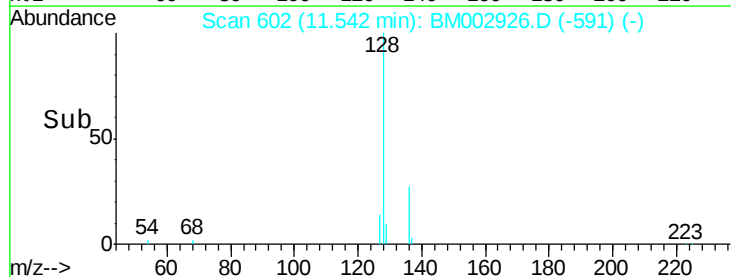
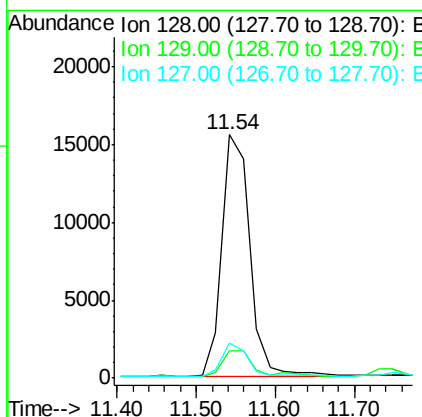
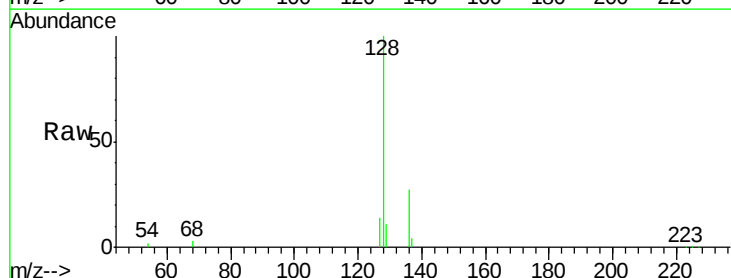
Instrument :
 BNA_M
 ClientSampled :
 RAV-GT-101

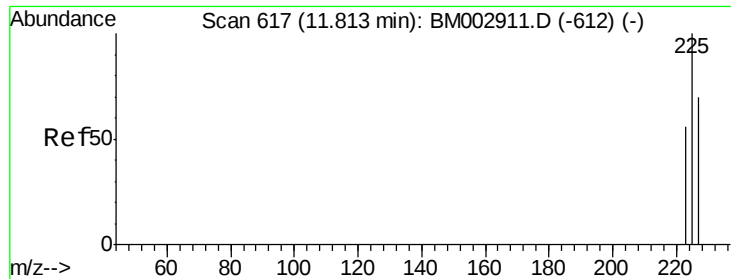
Tot Ion: 77 Resp: 265
 Ion Ratio Lower Upper
 77 100
 123 12.1 41.0 61.4#
 65 47.5 9.7 14.5#



#10
 Naphthalene
 Concen: 0.38 ng
 RT: 11.54 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: BM002926.D
 Acq: 15 Oct 2015 22:22

Tgt Ion: 128 Resp: 37977
 Ion Ratio Lower Upper
 128 100
 129 11.3 9.4 14.2
 127 14.1 9.6 14.4

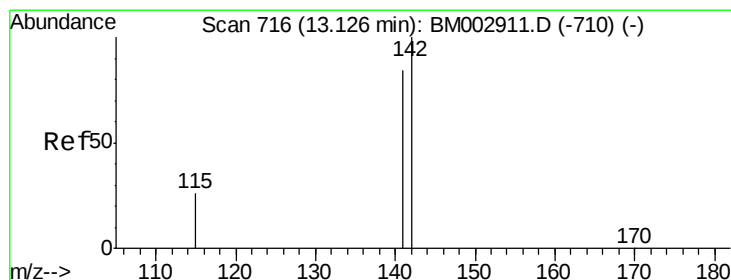
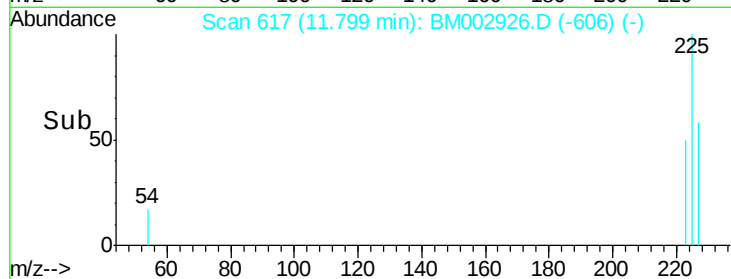
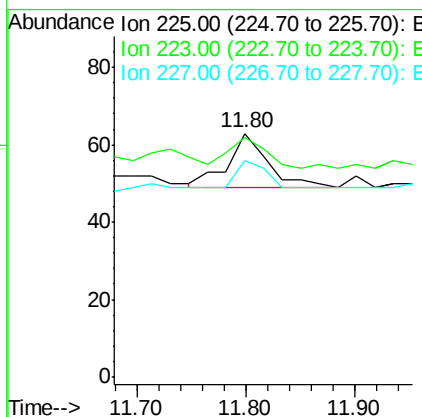
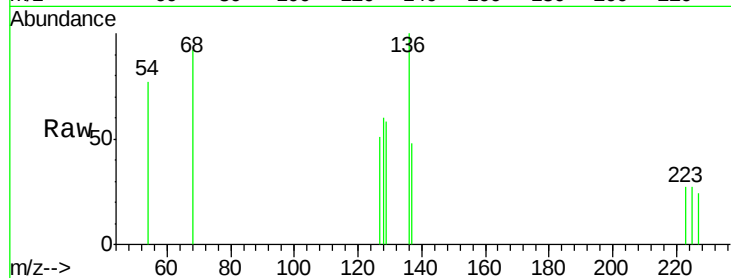




#11
Hexachlorobutadiene
Concen: 0.00 ng
RT: 11.80 min Scan# 617
Delta R.T. -0.01 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

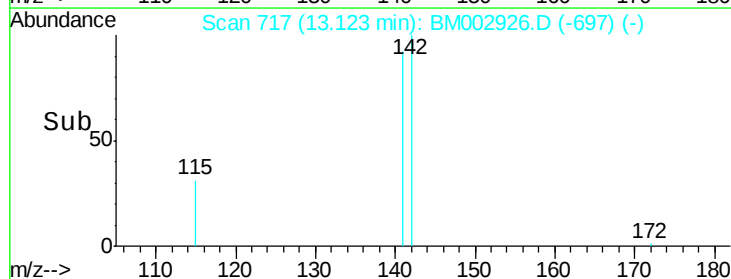
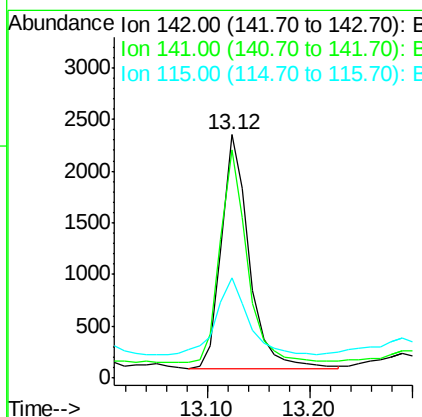
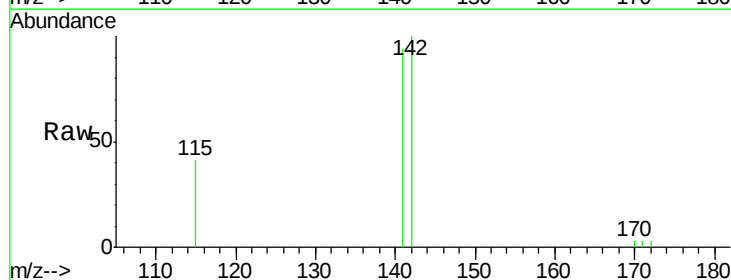
Instrument :
BNA_M
ClientSampleId :
RAV-GT-101

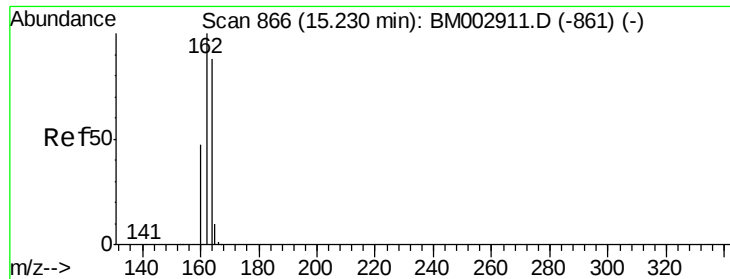
Tot Ion:225 Resp: 36
Ion Ratio Lower Upper
225 100
223 52.8 50.1 75.1
227 33.3 51.2 76.8#



#12
2-Methylnaphthalene
Concen: 0.06 ng
RT: 13.12 min Scan# 717
Delta R.T. 0.00 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

Tgt Ion:142 Resp: 4232
Ion Ratio Lower Upper
142 100
141 93.6 69.4 104.0
115 41.4 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: BM002926.D

Acq: 15 Oct 2015 22:22

Instrument :

BNA_M

ClientSampleId :

RAV-GT-101

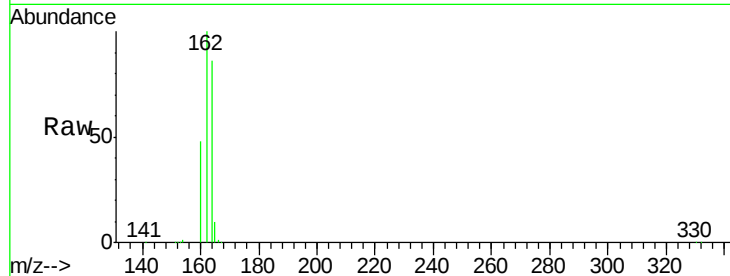
Tot Ion:164 Resp: 233122

Ion Ratio Lower Upper

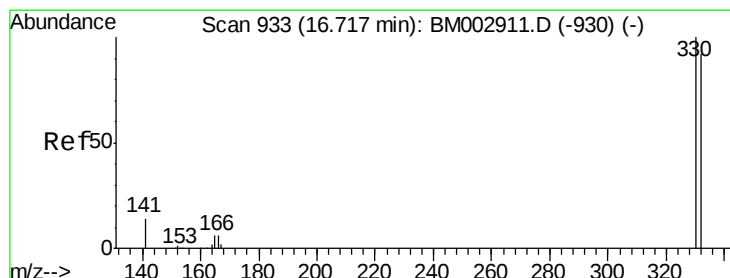
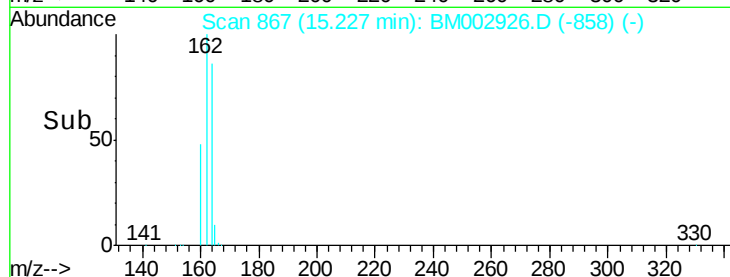
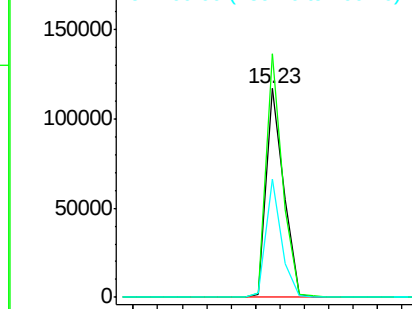
164 100

162 116.7 79.6 119.4

160 56.4 33.1 49.7#



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



#14

2,4,6-Tribromophenol

Concen: 9.41 ng

RT: 16.71 min Scan# 934

Delta R.T. -0.01 min

Lab File: BM002926.D

Acq: 15 Oct 2015 22:22

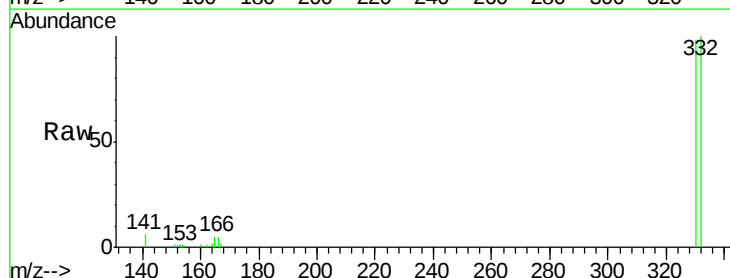
Tgt Ion:330 Resp: 86121

Ion Ratio Lower Upper

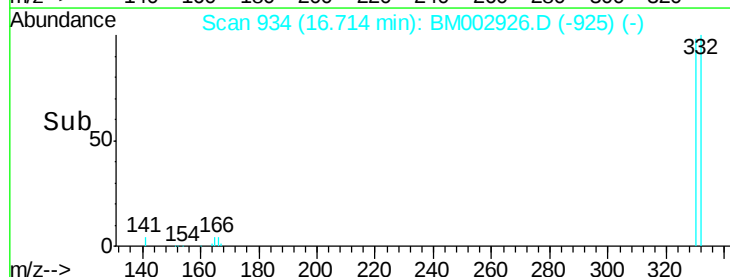
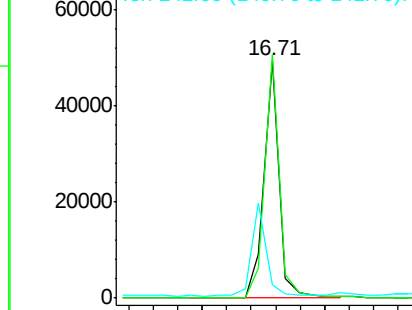
330 100

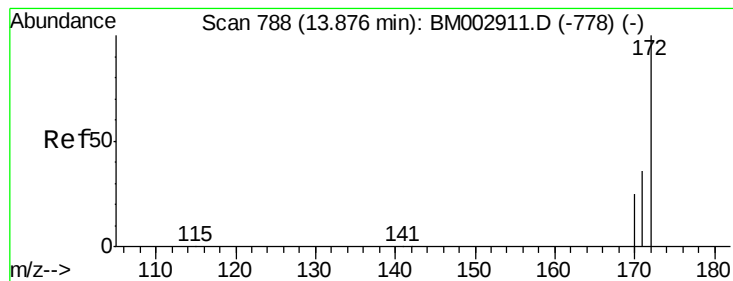
332 98.6 76.6 115.0

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

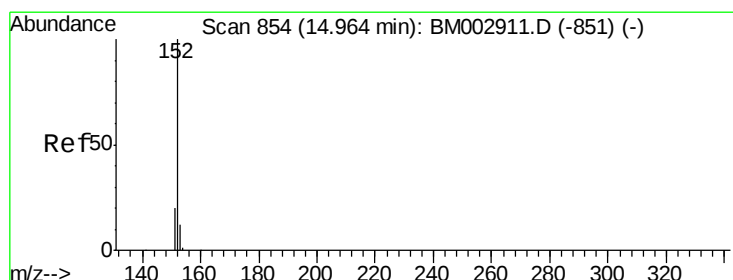
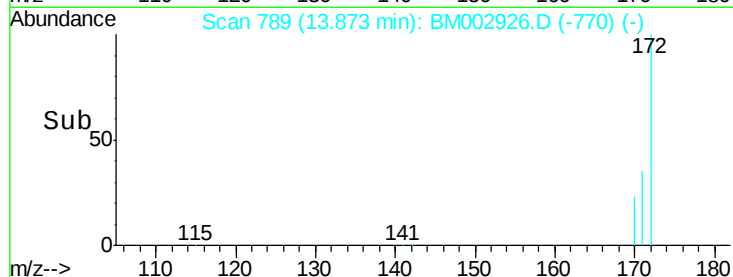
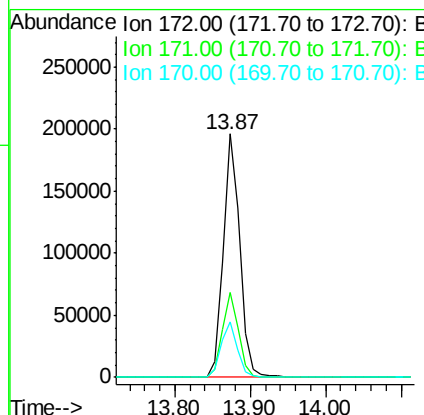
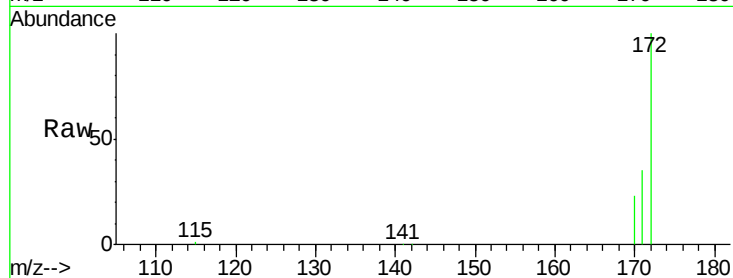




#15
2-Fluorobiphenyl
Concen: 4.07 ng
RT: 13.87 min Scan# 789
Delta R.T. -0.01 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

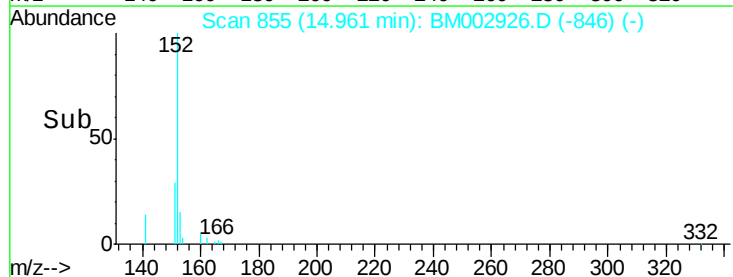
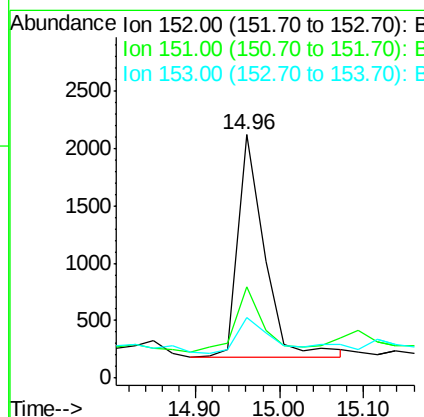
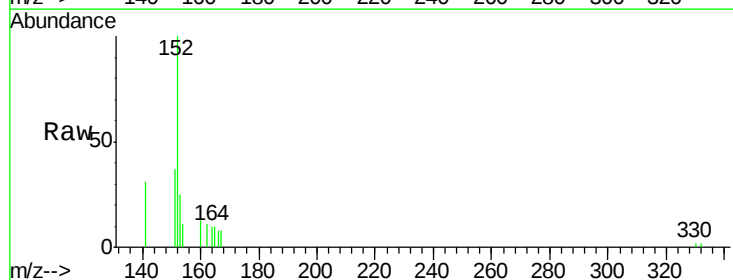
Instrument :
BNA_M
ClientSampleId :
RAV-GT-101

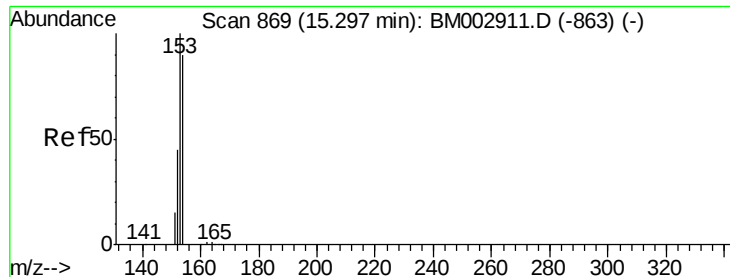
Tot Ion:172 Resp: 303688
Ion Ratio Lower Upper
172 100
171 35.0 26.1 39.1
170 22.7 15.7 23.5



#16
Acenaphthylene
Concen: 0.04 ng
RT: 14.96 min Scan# 855
Delta R.T. -0.01 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

Tgt Ion:152 Resp: 4210
Ion Ratio Lower Upper
152 100
151 30.6 15.3 22.9#
153 21.2 10.5 15.7#

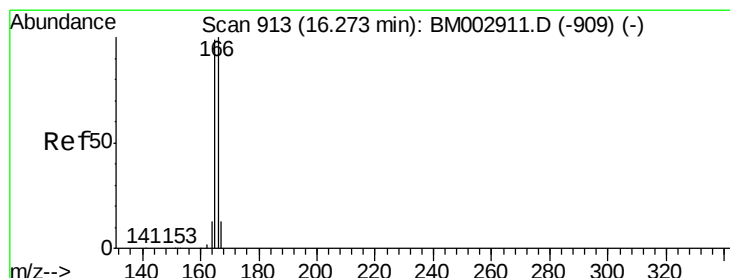
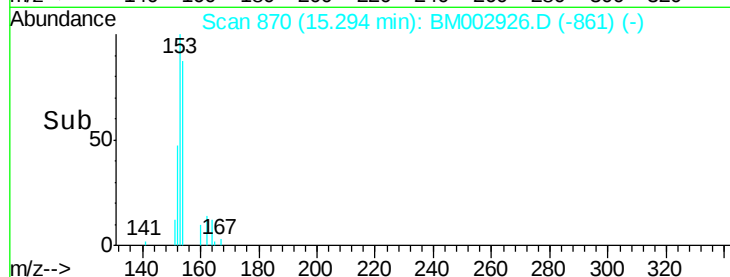
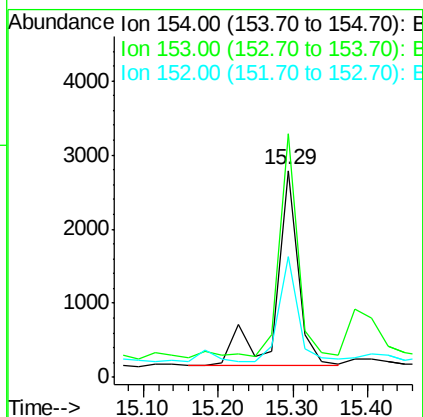
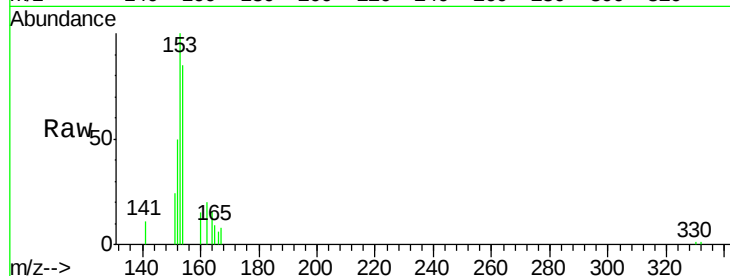




#17
Acenaphthene
Concen: 0.08 ng
RT: 15.29 min Scan# 870
Delta R.T. -0.01 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

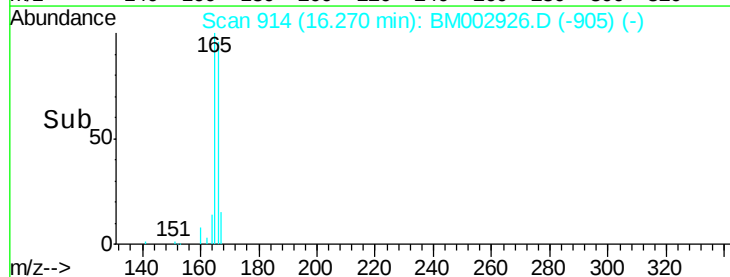
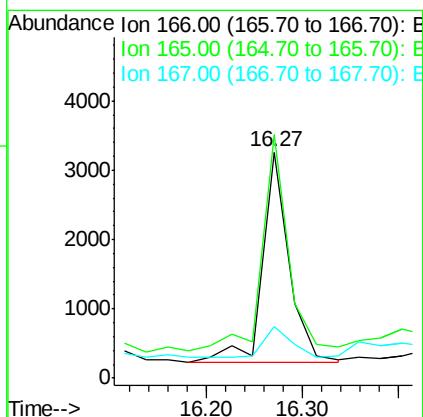
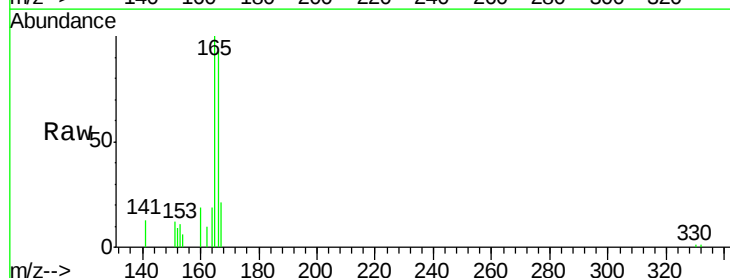
Instrument :
BNA_M
ClientSampleId :
RAV-GT-101

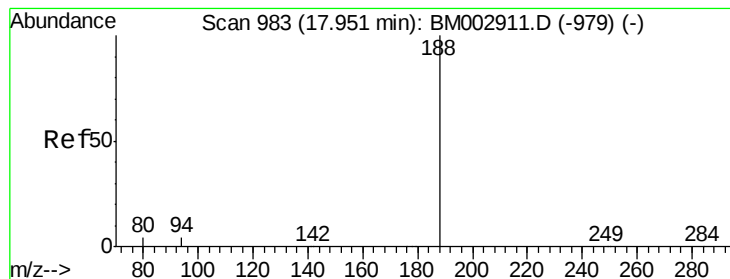
Tot Ion:154 Resp: 5369
Ion Ratio Lower Upper
154 100
153 91.2 0.0 0.0#
152 47.3 0.0 0.0#



#18
Fluorene
Concen: 0.07 ng
RT: 16.27 min Scan# 914
Delta R.T. -0.01 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

Tgt Ion:166 Resp: 5850
Ion Ratio Lower Upper
166 100
165 100.7 77.3 115.9
167 15.3 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: BM002926.D

Acq: 15 Oct 2015 22:22

Instrument :

BNA_M

ClientSampleId :

RAV-GT-101

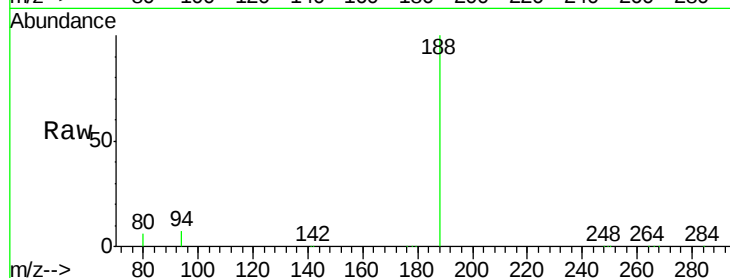
Tot Ion:188 Resp: 557544

Ion Ratio Lower Upper

188 100

94 6.7 15.2 22.8#

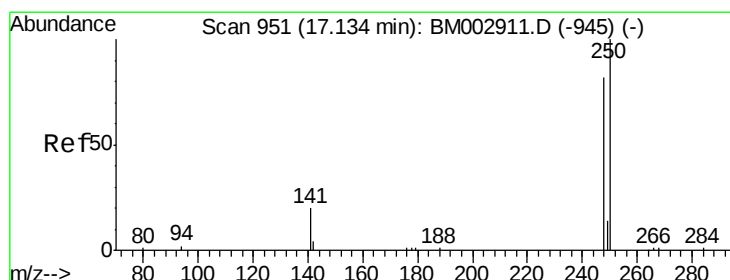
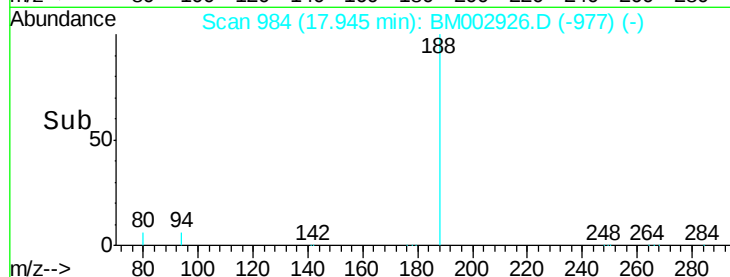
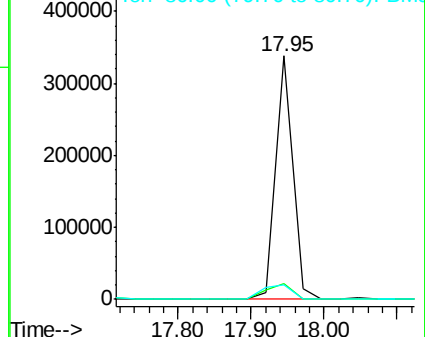
80 5.9 15.9 23.9#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#20

4-Bromophenyl-phenylether

Concen: 0.05 ng

RT: 17.13 min Scan# 952

Delta R.T. -0.01 min

Lab File: BM002926.D

Acq: 15 Oct 2015 22:22

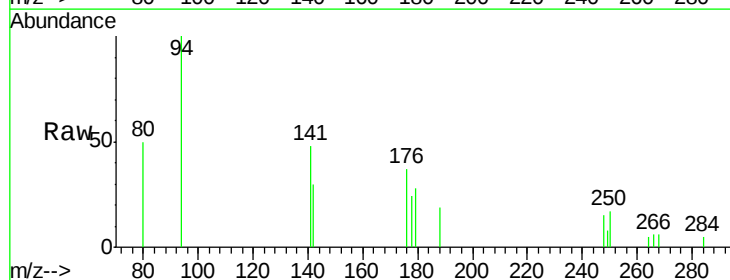
Tgt Ion:248 Resp: 1108

Ion Ratio Lower Upper

248 100

250 120.4 71.4 107.2#

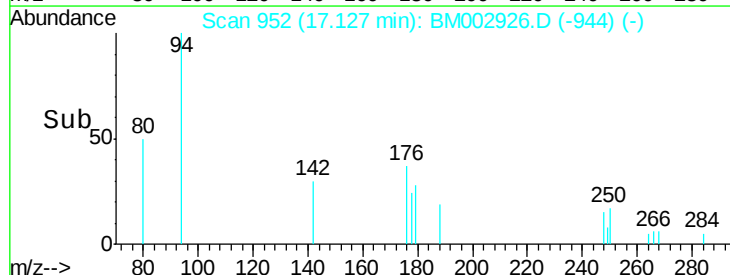
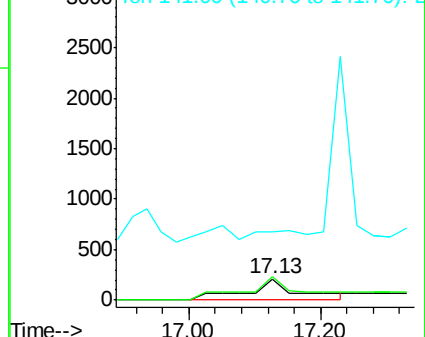
141 0.0 54.6 82.0#

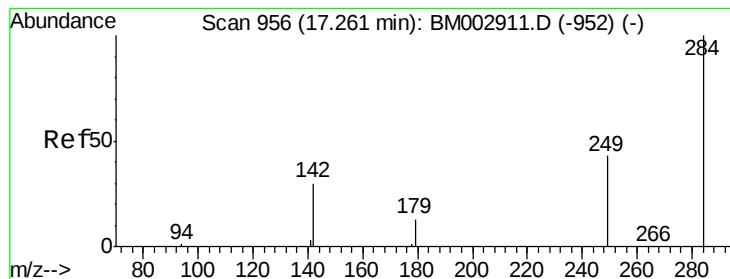


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: Below Cal

RT: 17.28 min Scan# 958

Delta R.T. 0.02 min

Lab File: BM002926.D

Acq: 15 Oct 2015 22:22

Instrument :

BNA_M

ClientSampleId :

RAV-GT-101

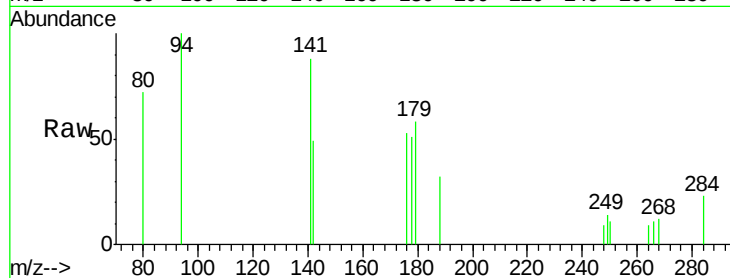
Tot Ion:284 Resp: 265

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

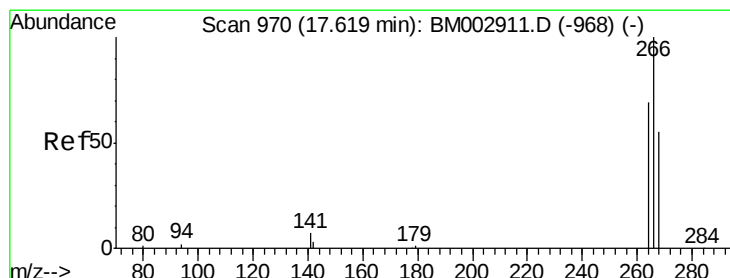
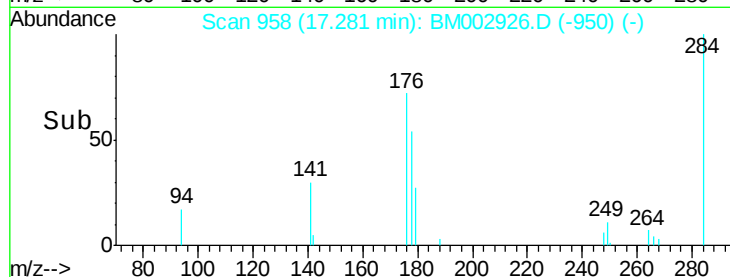
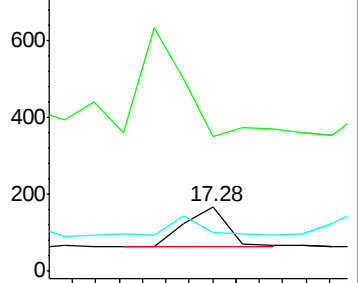
249 0.0 20.7 31.1#



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



#22

Pentachlorophenol

Concen: 0.41 ng

RT: 17.61 min Scan# 971

Delta R.T. -0.01 min

Lab File: BM002926.D

Acq: 15 Oct 2015 22:22

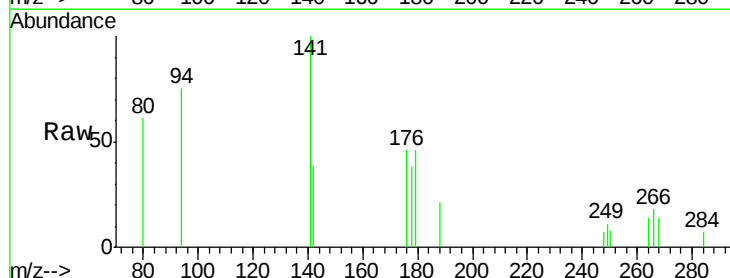
Tgt Ion:266 Resp: 474

Ion Ratio Lower Upper

266 100

268 78.9 58.3 87.5

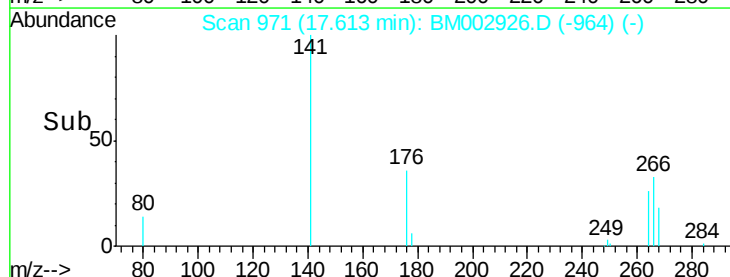
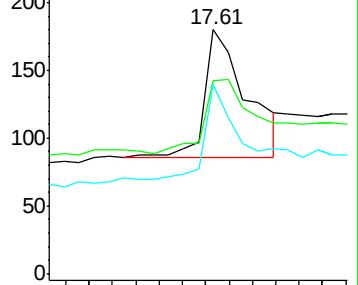
264 77.8 54.2 81.2

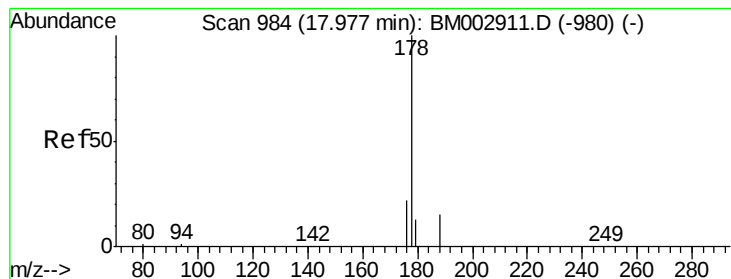


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 0.07 ng

RT: 18.00 min Scan# 986

Delta R.T. 0.02 min

Lab File: BM002926.D

Acq: 15 Oct 2015 22:22

Instrument :

BNA_M

ClientSampleId :

RAV-GT-101

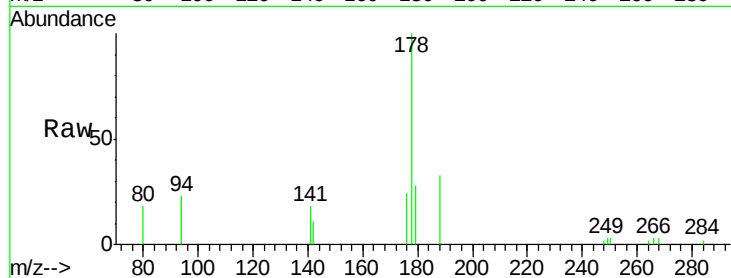
Tot Ion:178 Resp: 9037

Ion Ratio Lower Upper

178 100

176 26.0 14.6 21.8#

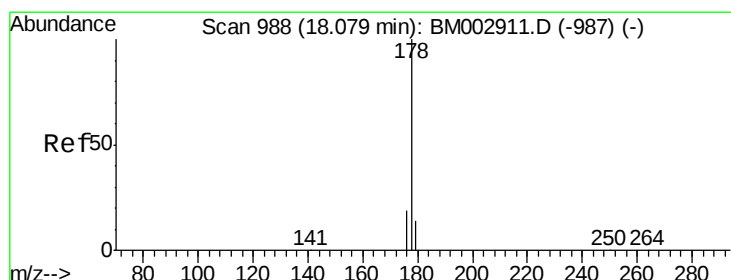
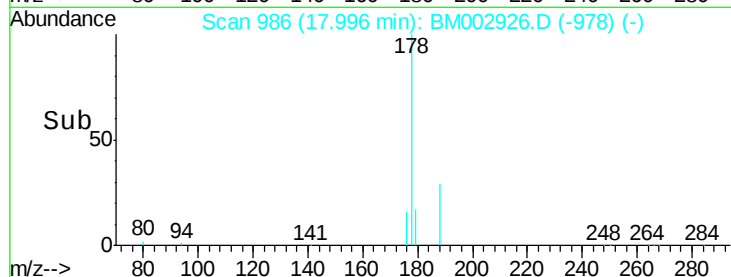
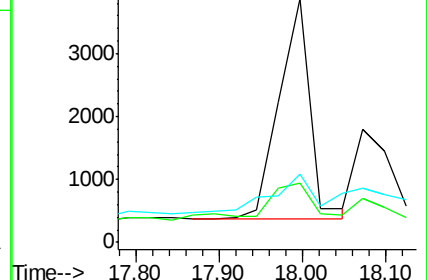
179 23.9 12.5 18.7#



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: 0.03 ng

RT: 18.07 min Scan# 989

Delta R.T. -0.01 min

Lab File: BM002926.D

Acq: 15 Oct 2015 22:22

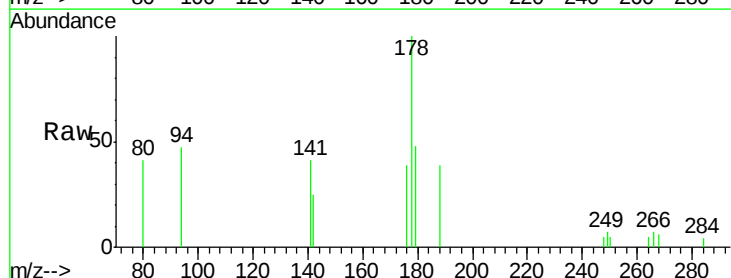
Tgt Ion:178 Resp: 3944

Ion Ratio Lower Upper

178 100

176 16.8 13.9 20.9

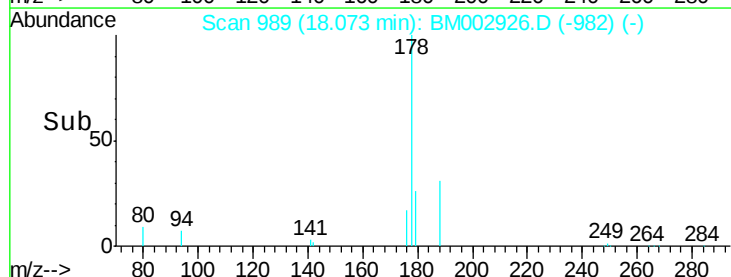
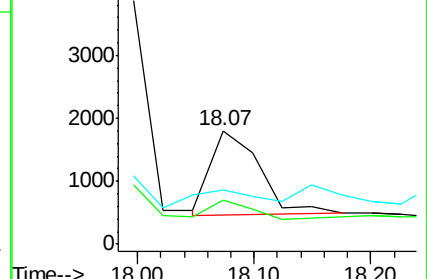
179 12.4 12.6 18.8#

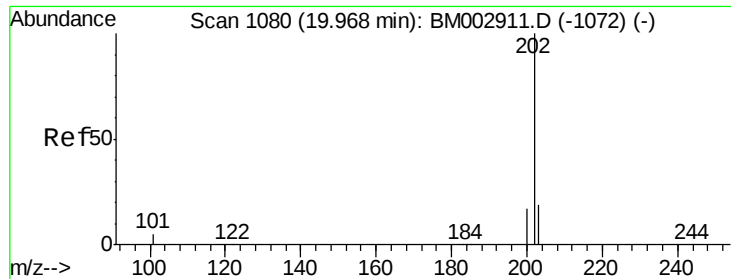


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 0.07 ng

RT: 19.96 min Scan# 1081

Delta R.T. 0.01 min

Lab File: BM002926.D

Acq: 15 Oct 2015 22:22

Instrument :

BNA_M

ClientSampleId :

RAV-GT-101

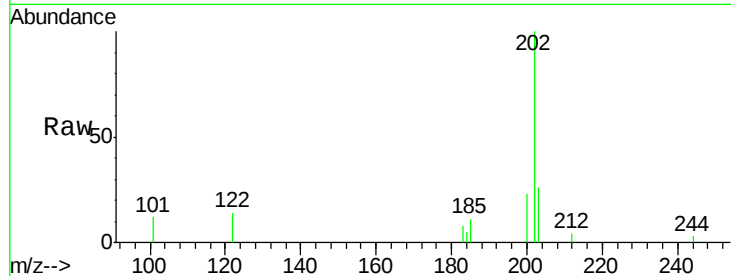
Tot Ion:202 Resp: 9690

Ion Ratio Lower Upper

202 100

101 0.0 11.0 16.6#

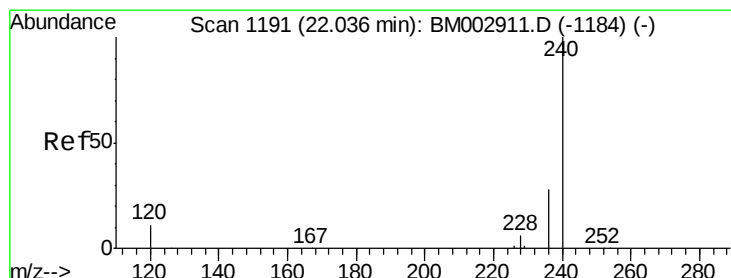
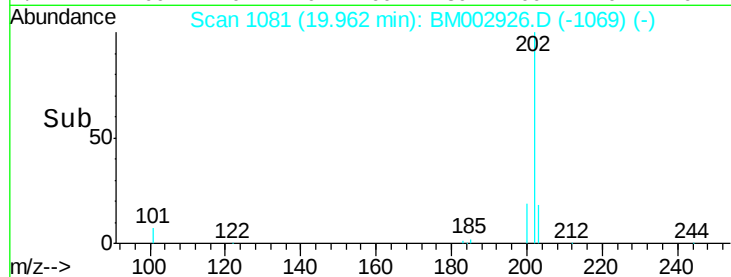
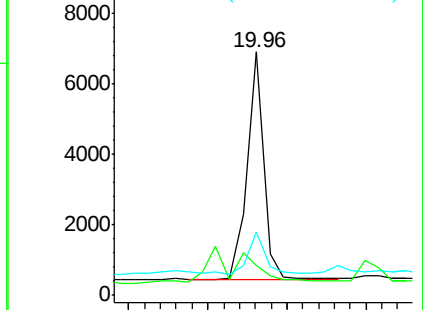
203 16.4 13.8 20.6



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: BM002926.D

Acq: 15 Oct 2015 22:22

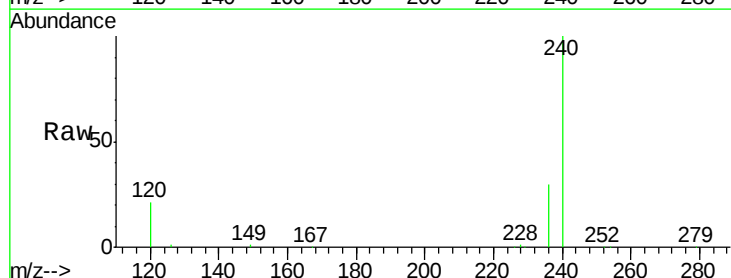
Tgt Ion:240 Resp: 419377

Ion Ratio Lower Upper

240 100

120 20.7 3.3 4.9#

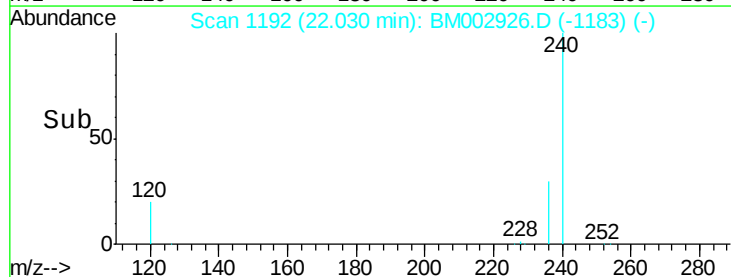
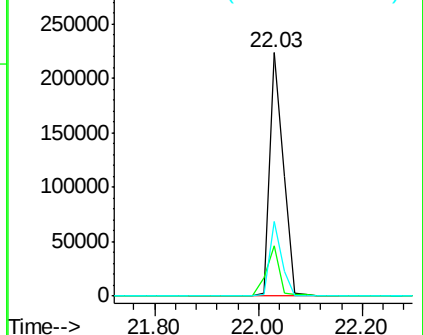
236 30.5 19.5 29.3#

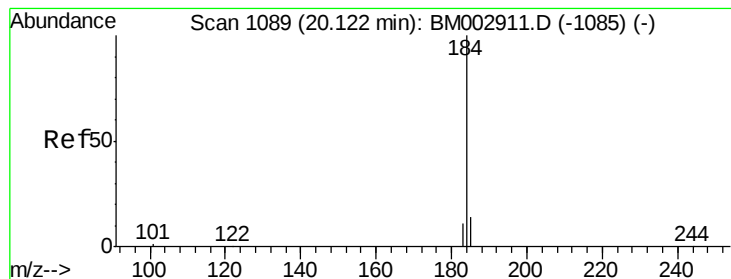


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.16 ng

RT: 20.13 min Scan# 1091

Delta R.T. 0.01 min

Lab File: BM002926.D

Acq: 15 Oct 2015 22:22

Instrument :

BNA_M

ClientSampleId :

RAV-GT-101

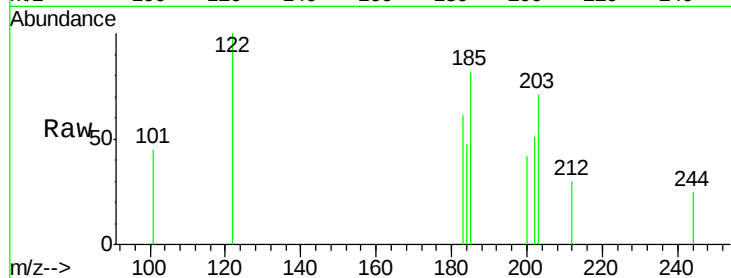
Tot Ion:184 Resp: 405

Ion Ratio Lower Upper

184 100

185 174.8 12.0 18.0#

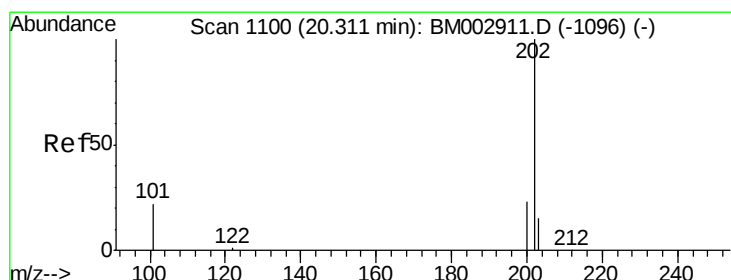
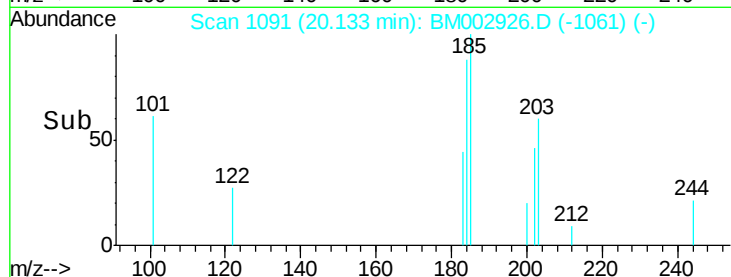
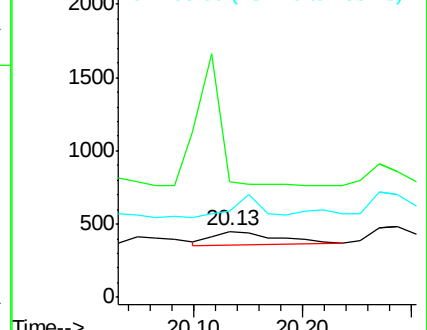
183 130.5 8.9 13.3#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#28

Pyrene

Concen: 0.08 ng

RT: 20.32 min Scan# 1102

Delta R.T. 0.01 min

Lab File: BM002926.D

Acq: 15 Oct 2015 22:22

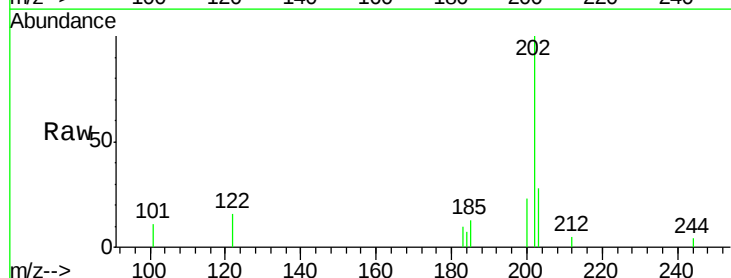
Tgt Ion:202 Resp: 9440

Ion Ratio Lower Upper

202 100

200 20.6 16.2 24.4

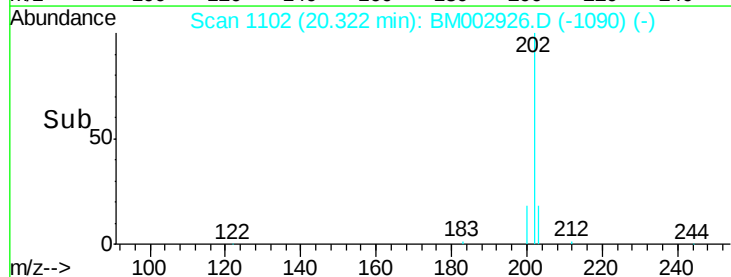
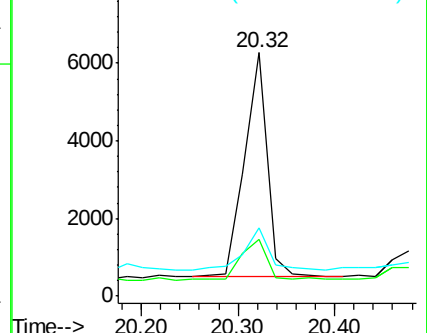
203 21.2 13.8 20.8#

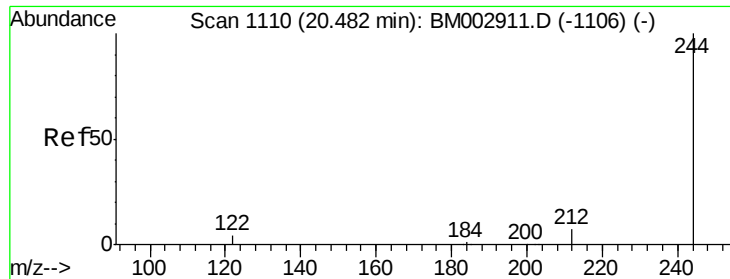


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 4.76 ng

RT: 20.48 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BM002926.D

Acq: 15 Oct 2015 22:22

Instrument :

BNA_M

ClientSampleId :

RAV-GT-101

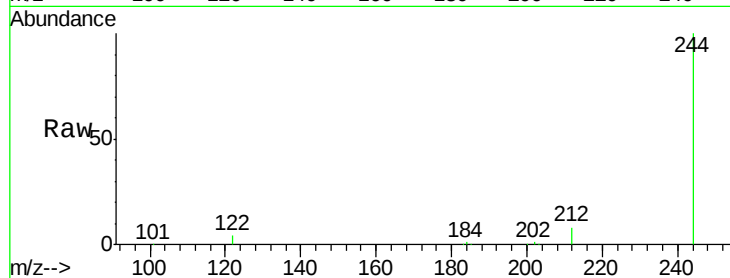
Tot Ion:244 Resp: 299003

Ion Ratio Lower Upper

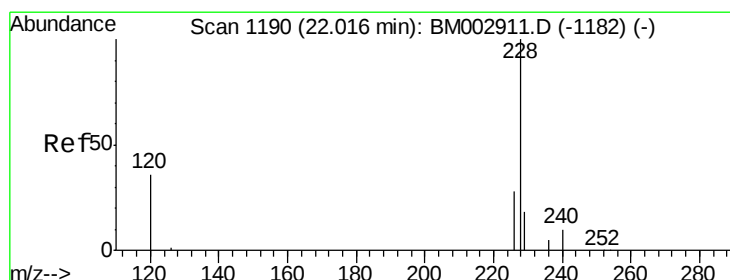
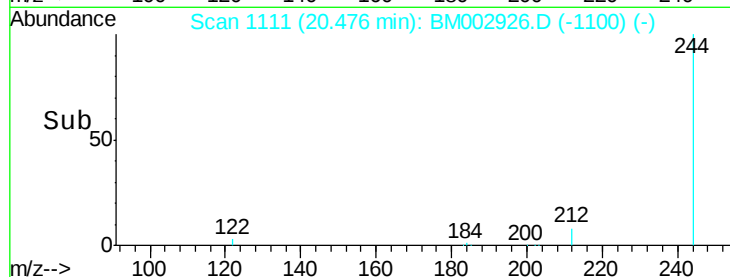
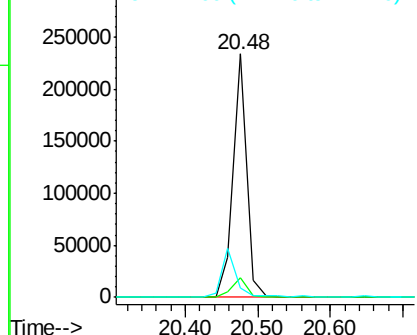
244 100

212 8.0 5.6 8.4

122 3.8 2.2 3.2#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.04 ng

RT: 22.01 min Scan# 1191

Delta R.T. -0.01 min

Lab File: BM002926.D

Acq: 15 Oct 2015 22:22

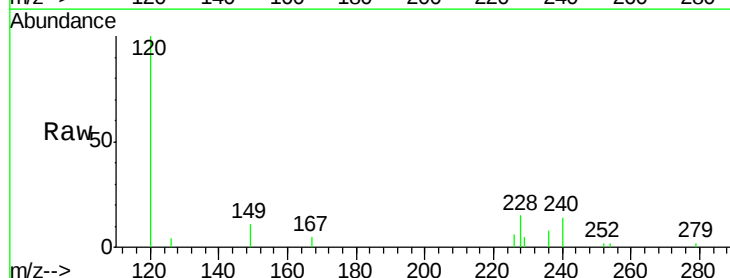
Tgt Ion:228 Resp: 5368

Ion Ratio Lower Upper

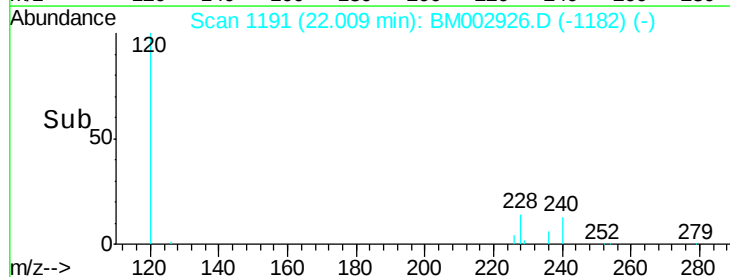
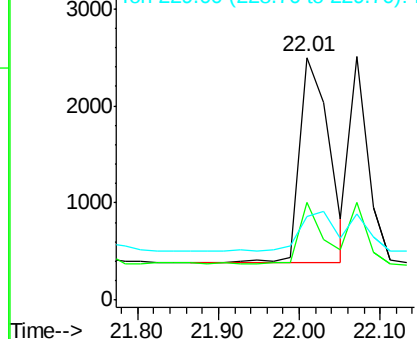
228 100

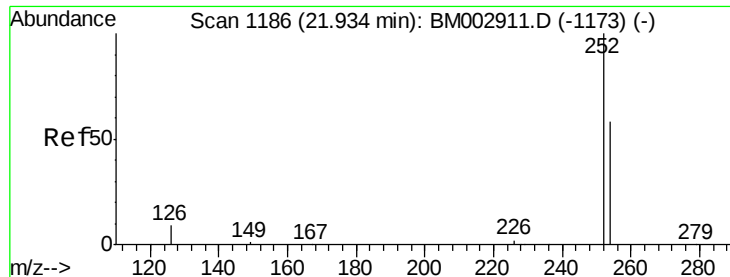
226 40.3 19.0 28.6#

229 34.5 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

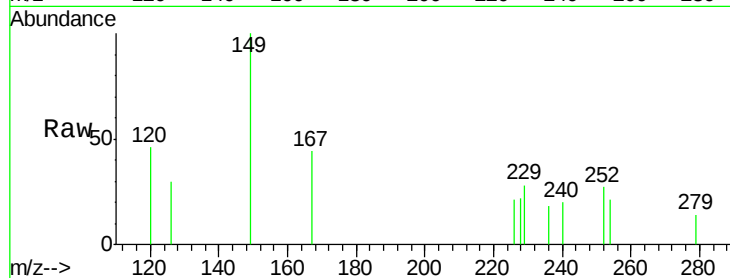




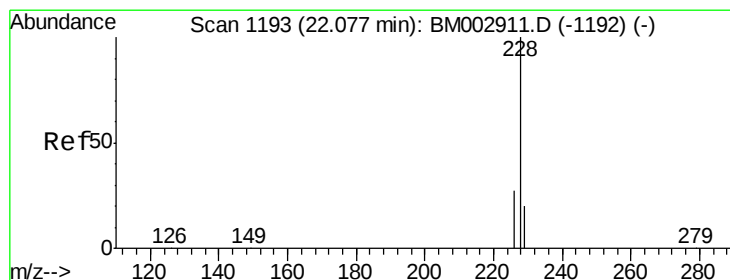
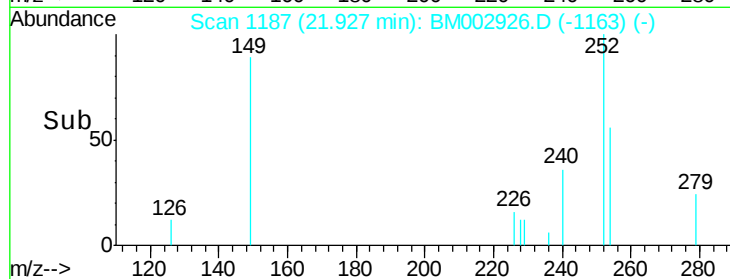
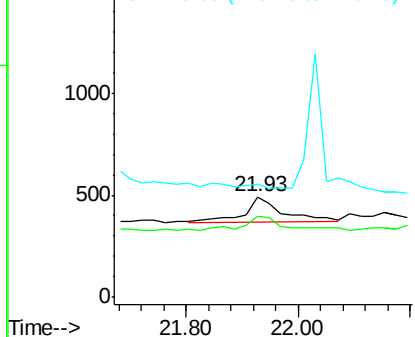
#31
 3,3'-Dichlorobenzidine
 Concen: 0.01 ng
 RT: 21.93 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BM002926.D
 Acq: 15 Oct 2015 22:22

Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-101

Tot Ion:252 Resp: 604
 Ion Ratio Lower Upper
 252 100
 254 80.2 54.1 81.1
 126 112.6 4.1 6.1#

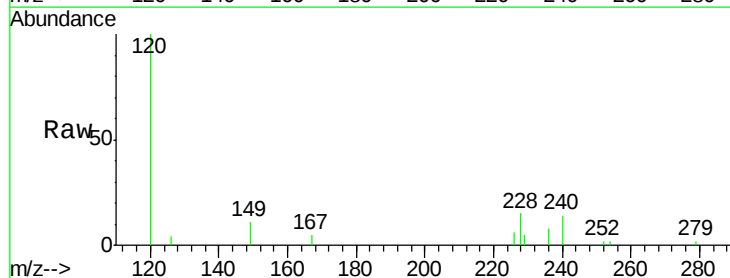


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

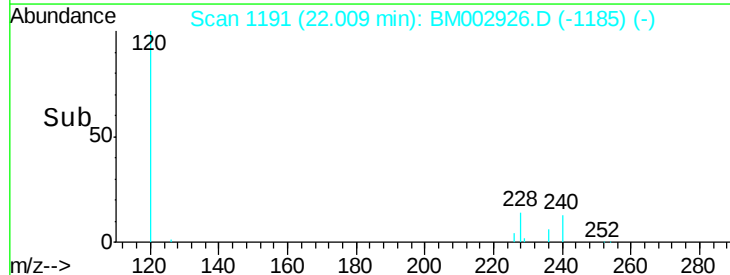
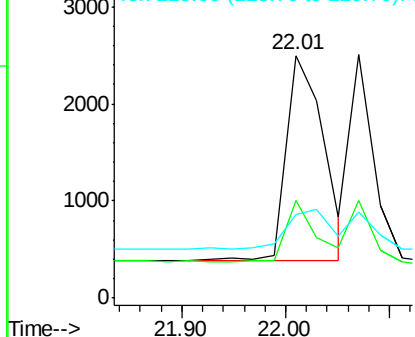


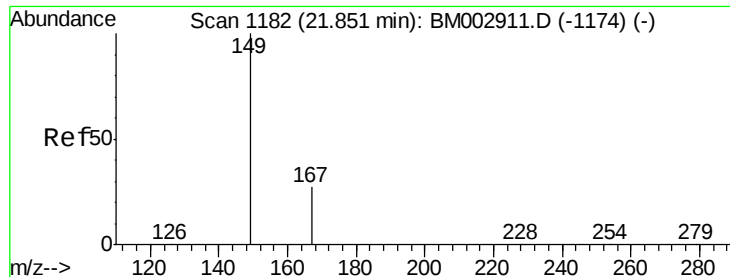
#32
 Chrysene
 Concen: 0.05 ng
 RT: 22.01 min Scan# 1191
 Delta R.T. -0.08 min
 Lab File: BM002926.D
 Acq: 15 Oct 2015 22:22

Tgt Ion:228 Resp: 5316
 Ion Ratio Lower Upper
 228 100
 226 40.3 20.6 30.8#
 229 34.5 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: 0.42 ng

RT: 21.85 min Scan# 1183

Delta R.T. -0.01 min

Lab File: BM002926.D

Acq: 15 Oct 2015 22:22

Instrument :

BNA_M

ClientSampleId :

RAV-GT-101

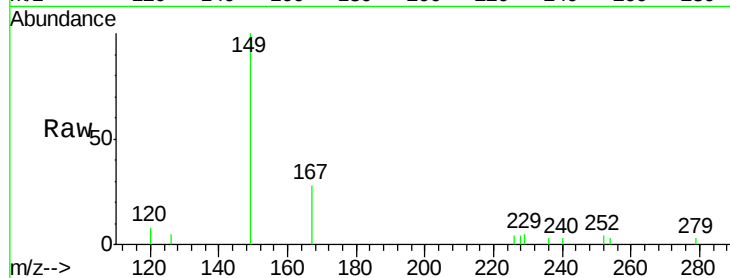
Tot Ion:149 Resp: 11957

Ion Ratio Lower Upper

149 100

167 25.7 17.2 25.8

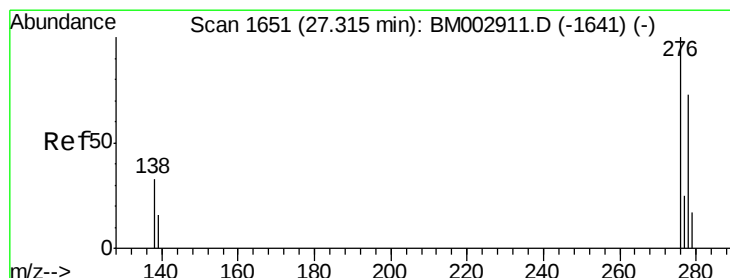
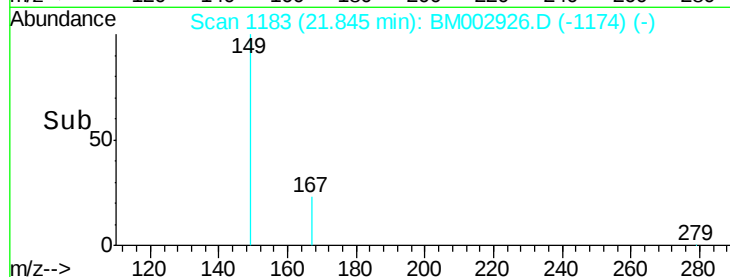
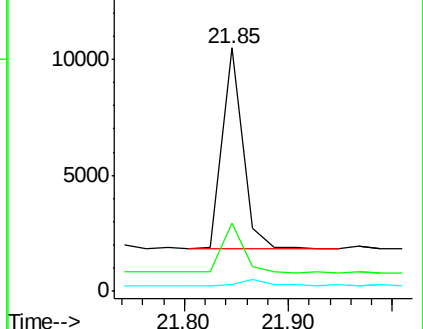
279 0.0 2.2 3.4#



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: 0.02 ng

RT: 27.32 min Scan# 1653

Delta R.T. 0.01 min

Lab File: BM002926.D

Acq: 15 Oct 2015 22:22

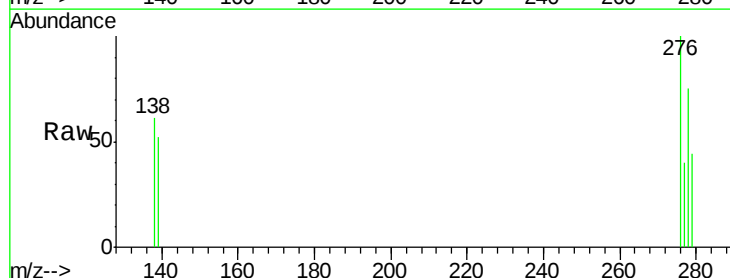
Tgt Ion:276 Resp: 2169

Ion Ratio Lower Upper

276 100

138 34.5 29.0 43.6

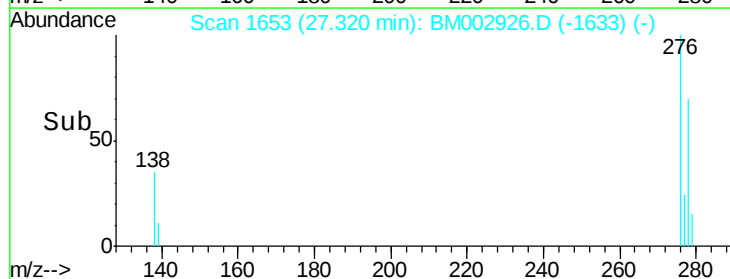
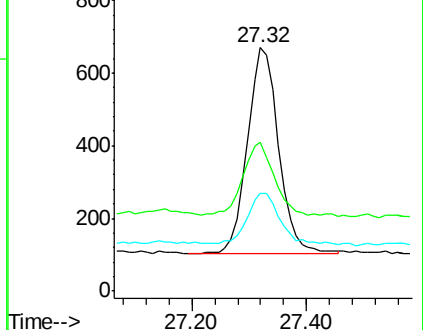
277 25.9 19.8 29.8

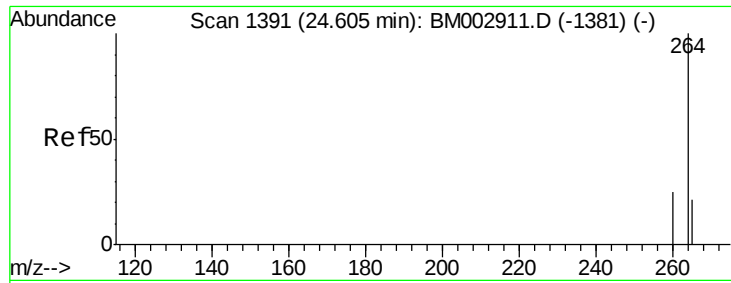


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



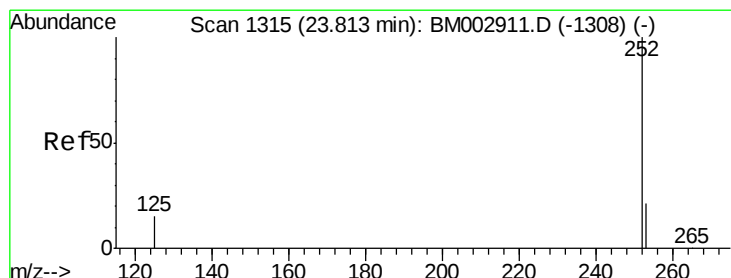
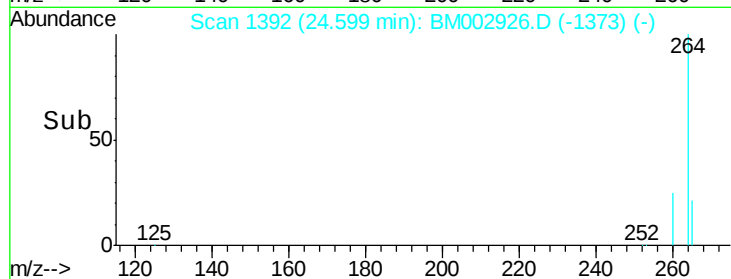
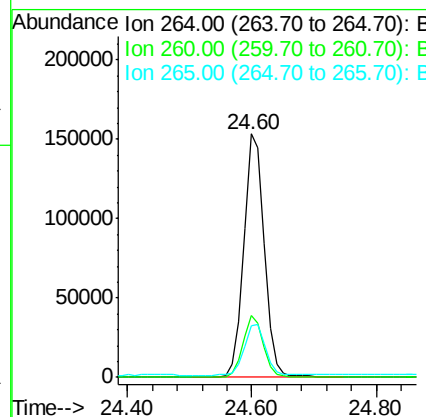
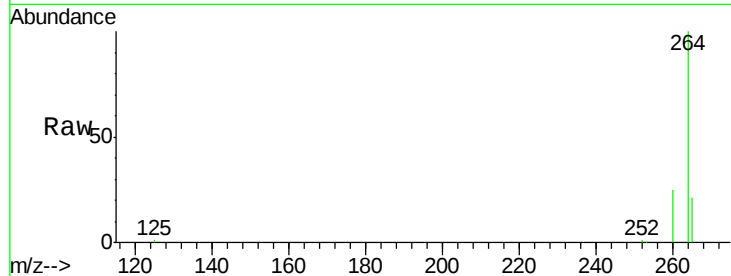


#35
Pervlene-d12
Concen: 5.00 ng
RT: 24.60 min Scan# 1392
Delta R.T. -0.00 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

Instrument :
BNA_M
ClientSampleId :
RAV-GT-101

Tot Ion:264 Resp: 353573

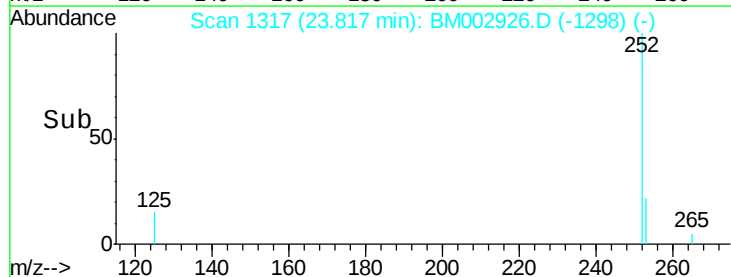
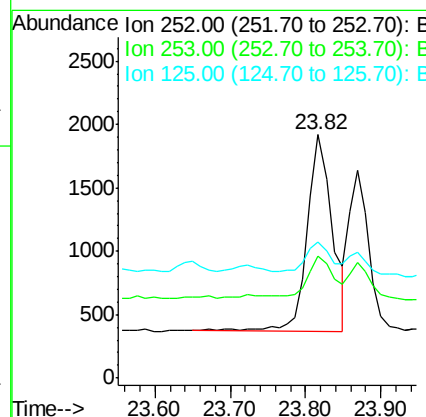
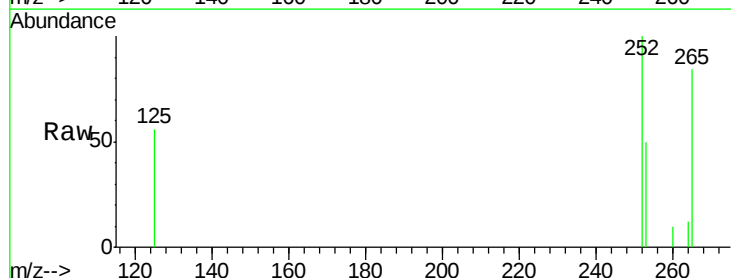
Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.1	30.1
265	21.4	17.6	26.4

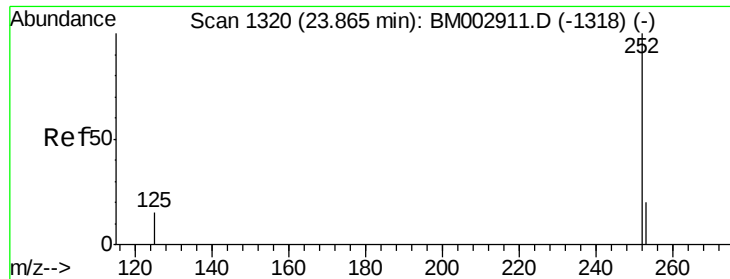


#36
Benzo(b)fluoranthene
Concen: 0.03 ng
RT: 23.82 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BM002926.D
Acq: 15 Oct 2015 22:22

Tgt Ion:252 Resp: 3524

Ion	Ratio	Lower	Upper
252	100		
253	50.0	17.5	26.3#
125	55.7	12.4	18.6#





#37

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 23.87 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BM002926.D

Acq: 15 Oct 2015 22:22

Instrument :

BNA_M

ClientSampleId :

RAV-GT-101

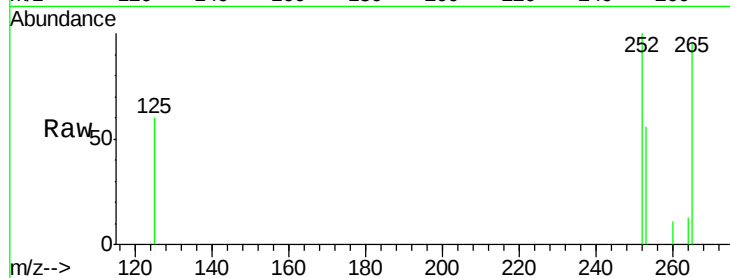
Tot Ion:252 Resp: 2362

Ion Ratio Lower Upper

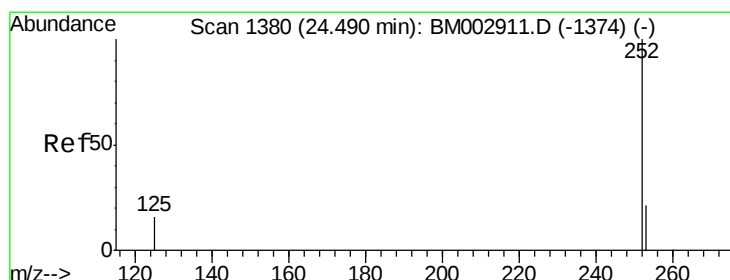
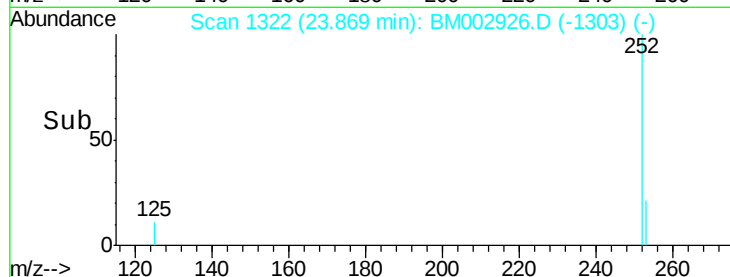
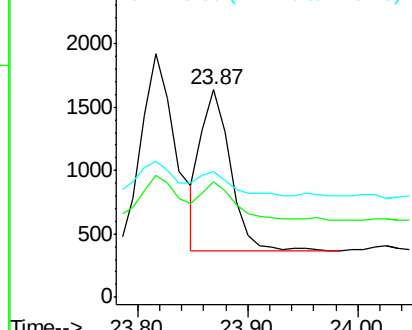
252 100

253 55.5 17.9 26.9#

125 60.4 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: 0.03 ng

RT: 24.49 min Scan# 1382

Delta R.T. -0.00 min

Lab File: BM002926.D

Acq: 15 Oct 2015 22:22

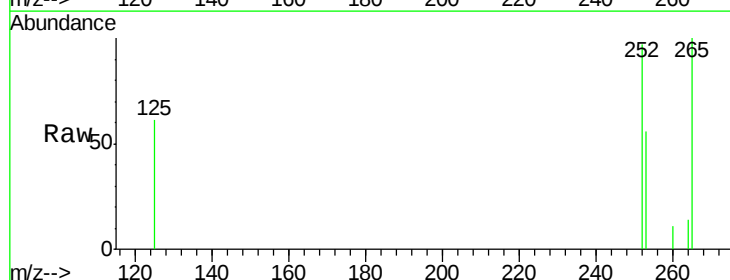
Tgt Ion:252 Resp: 2246

Ion Ratio Lower Upper

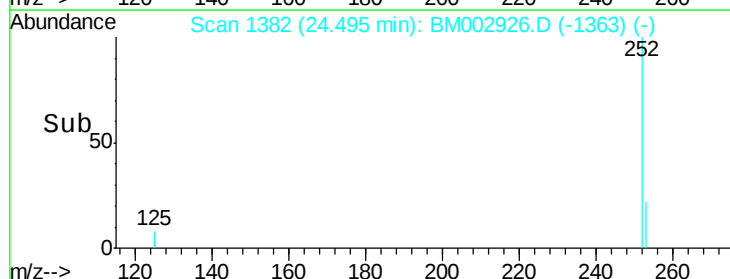
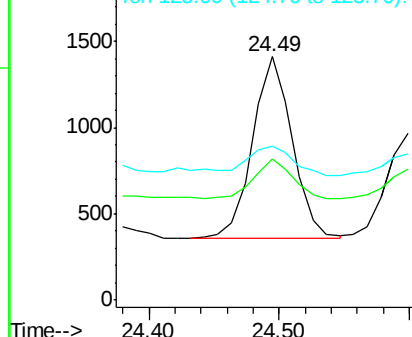
252 100

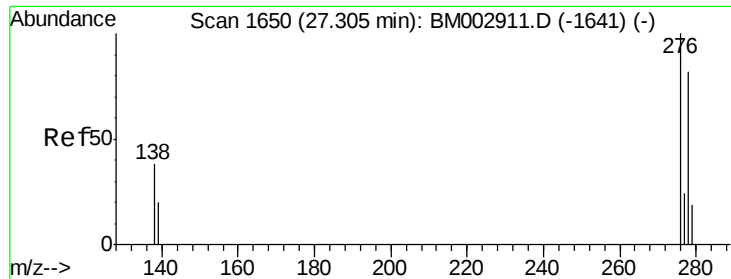
253 57.9 18.4 27.6#

125 63.4 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: 0.02 ng

RT: 27.31 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BM002926.D

Acq: 15 Oct 2015 22:22

Instrument :

BNA_M

ClientSampleId :

RAV-GT-101

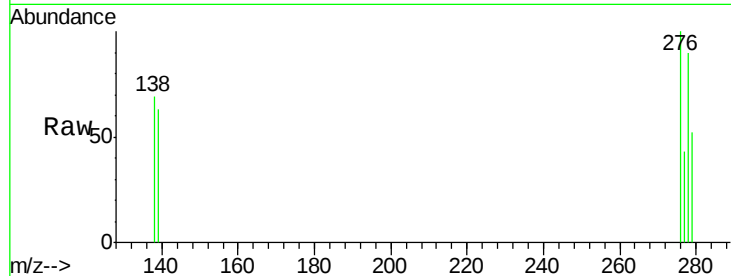
Tot Ion:278 Resp: 1505

Ion Ratio Lower Upper

278 100

139 69.4 19.8 29.6#

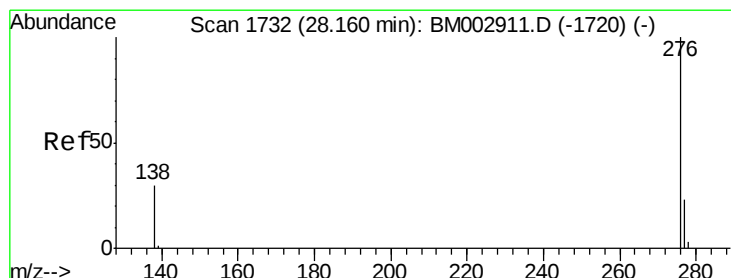
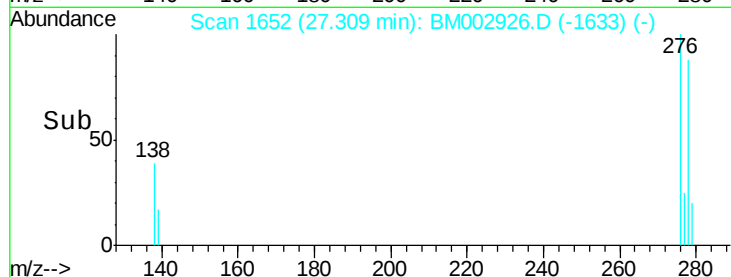
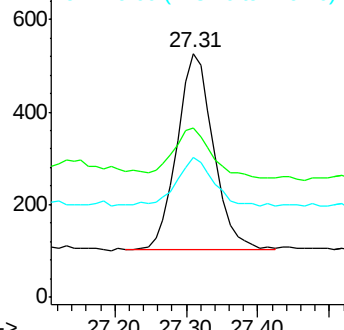
279 57.2 19.1 28.7#



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(g,h,i)perylene

Concen: 0.02 ng

RT: 28.16 min Scan# 1734

Delta R.T. 0.01 min

Lab File: BM002926.D

Acq: 15 Oct 2015 22:22

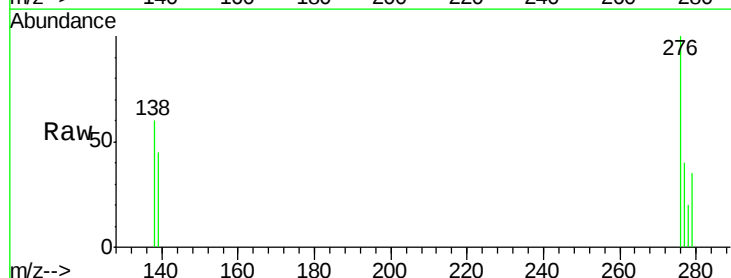
Tgt Ion:276 Resp: 1913

Ion Ratio Lower Upper

276 100

277 40.4 19.4 29.0#

138 59.6 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

