

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101515\
 Data File : BM002927.D
 Acq On : 15 Oct 2015 22:58
 Operator : UM/IZ
 Sample : G4018-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-201

Quant Time: Oct 16 07:02:33 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	101041	5.00	ng	0.00
7) Naphthalene-d8	11.50	136	428405	5.00	ng	0.00
13) Acenaphthene-d10	15.23	164	230820	5.00	ng	0.00
19) Phenanthrene-d10	17.95	188	456202	5.00	ng	0.00
26) Chrysene-d12	22.04	240	424659	5.00	ng	0.00
35) Perylene-d12	24.61	264	322037	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	6.12	112	59713	3.16	ng	-0.03
5) Phenol-d6	7.79	99	49515	2.05	ng	-0.02
8) Nitrobenzene-d5	9.85	82	82230	4.01	ng	-0.01
14) 2,4,6-Tribromophenol	16.72	330	77717	8.59	ng	0.00
15) 2-Fluorobiphenyl	13.88	172	283570	3.84	ng	0.00
29) Terphenyl-d14	20.48	244	267521	4.21	ng	0.00

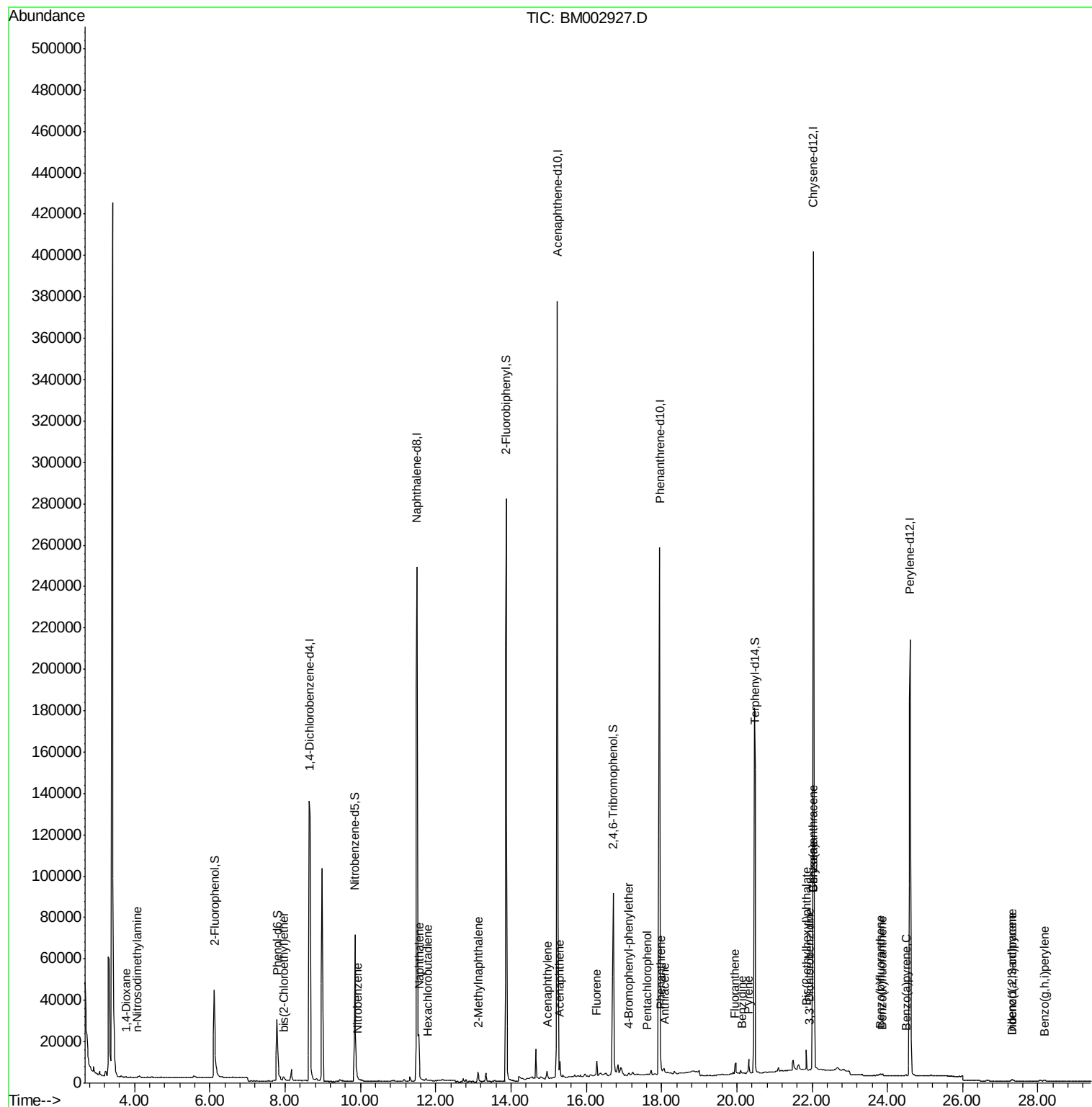
Target Compounds						Qvalue
2) 1,4-Dioxane	3.78	88	262	0.03	ng	# 33
3) n-Nitrosodimethylamine	4.08	42	398	0.06	ng	# 1
6) bis(2-Chloroethyl)ether	7.96	93	3535	0.15	ng	# 29
9) Nitrobenzene	9.94	77	121	0.01	ng	# 29
10) Naphthalene	11.56	128	37017	0.39	ng	# 99
11) Hexachlorobutadiene	11.80	225	33	0.00	ng	# 74
12) 2-Methylnaphthalene	13.13	142	4126	0.06	ng	# 93
16) Acenaphthylene	14.96	152	4087	0.04	ng	# 81
17) Acenaphthene	15.30	154	5290	0.08	ng	# 100
18) Fluorene	16.27	166	5674	0.07	ng	# 95
20) 4-Bromophenyl-phenylether	17.13	248	947	0.05	ng	# 43
21) Hexachlorobenzene	17.26	284	187	Below Cal		# 85
22) Pentachlorophenol	17.62	266	205	0.33	ng	# 82
23) Phenanthrene	17.98	178	8473	0.08	ng	# 83
24) Anthracene	18.08	178	3739	0.04	ng	# 80
25) Fluoranthene	19.95	202	7198	0.06	ng	# 93
27) Benzdine	20.14	184	245	0.16	ng	# 1
28) Pyrene	20.31	202	7630	0.06	ng	# 96
30) Benzo(a)anthracene	22.02	228	5415	0.04	ng	# 65
31) 3,3'-Dichlorobenzidine	21.93	252	315	0.01	ng	# 57
32) Chrysene	22.02	228	5415	0.05	ng	# 69
33) Bis(2-ethylhexyl)phthalate	21.85	149	10488	0.40	ng	# 84
34) Indeno(1,2,3-cd)pyrene	27.33	276	1021	0.01	ng	# 96
36) Benzo(b)fluoranthene	23.81	252	1547	0.02	ng	# 1
37) Benzo(k)fluoranthene	23.86	252	1132	0.01	ng	# 1
38) Benzo(a)pyrene	24.49	252	989	0.01	ng	# 1
39) Dibenzo(a,h)anthracene	27.32	278	676	0.01	ng	# 1
40) Benzo(g,h,i)perylene	28.17	276	906	0.01	ng	# 17

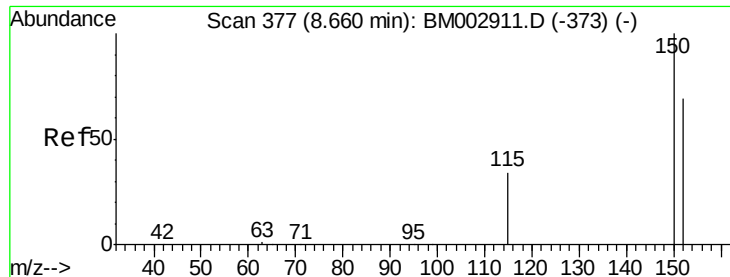
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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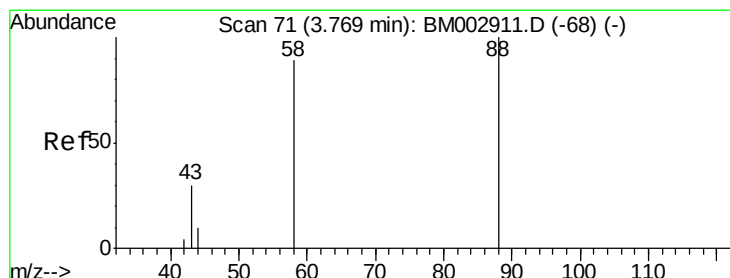
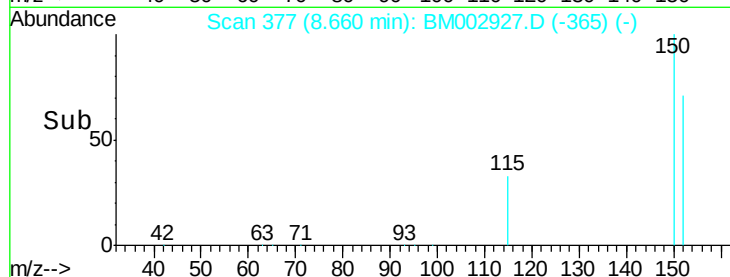
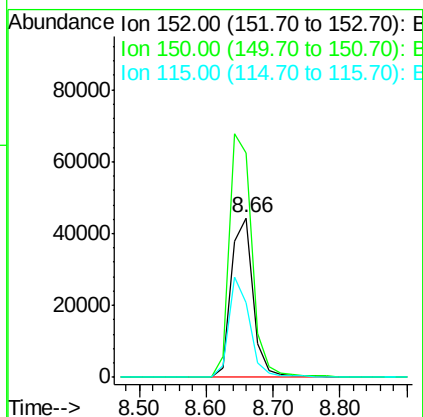
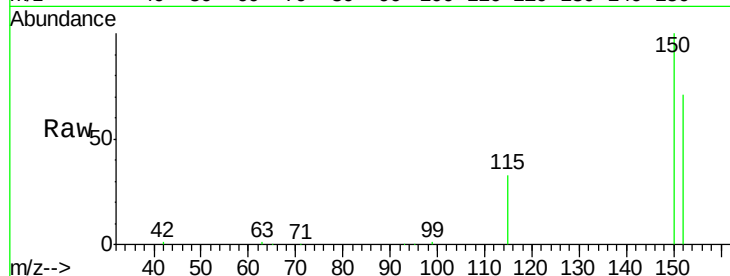


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.66 min Scan# 377
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

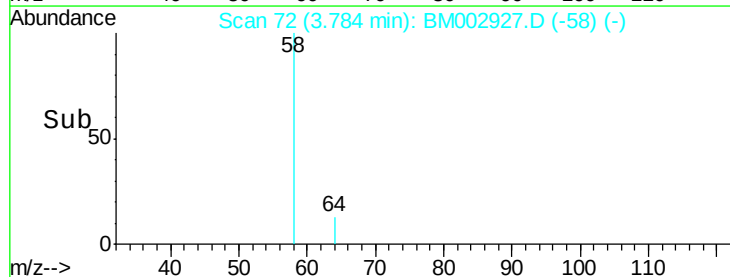
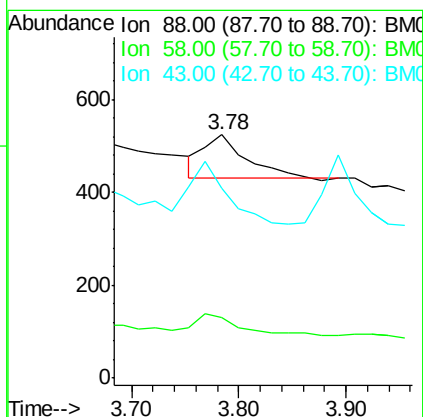
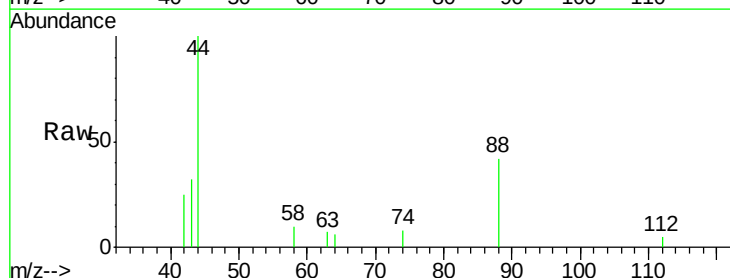
Tot Ion:152 Resp: 101041
Ion Ratio Lower Upper
152 100
150 140.6 113.0 169.6
115 46.8 37.9 56.9

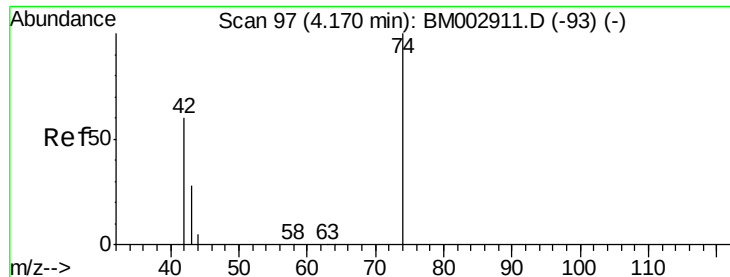


#2

1,4-Dioxane
Concen: 0.03 ng
RT: 3.78 min Scan# 72
Delta R.T. 0.02 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion: 88 Resp: 262
Ion Ratio Lower Upper
88 100
58 50.8 56.7 85.1#
43 120.2 22.0 33.0#





#3

n-Nitrosodimethylamine

Concen: 0.06 ng

RT: 4.08 min Scan# 91

Delta R.T. -0.09 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

Instrument :

BNA_M

ClientSampleId :

RAV-GT-201

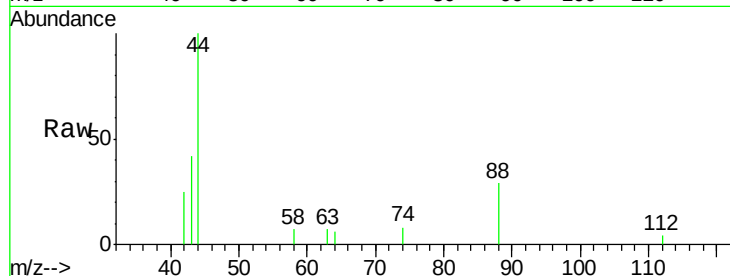
Tot Ion: 42 Resp: 398

Ion Ratio Lower Upper

42 100

74 0.0 119.7 179.5#

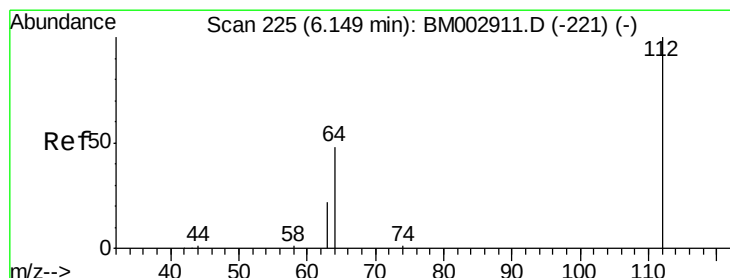
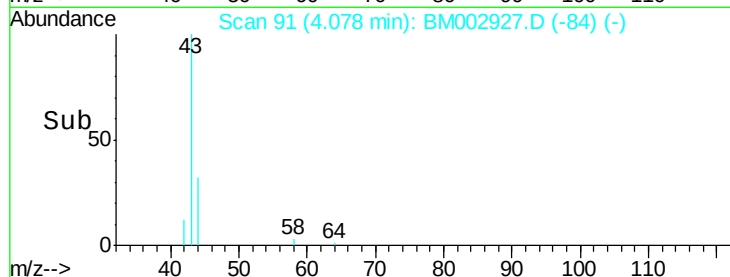
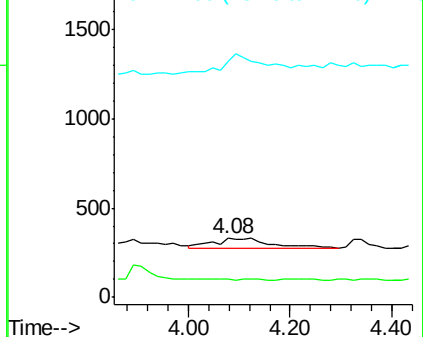
44 116.8 9.8 14.6#



Abundance Ion 42.00 (41.70 to 42.70): BM002927.D (-93) (-)

Ion 74.00 (73.70 to 74.70): BM002927.D (-93) (-)

Ion 44.00 (43.70 to 44.70): BM002927.D (-93) (-)



#4

2-Fluorophenol

Concen: 3.16 ng

RT: 6.12 min Scan# 223

Delta R.T. -0.03 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

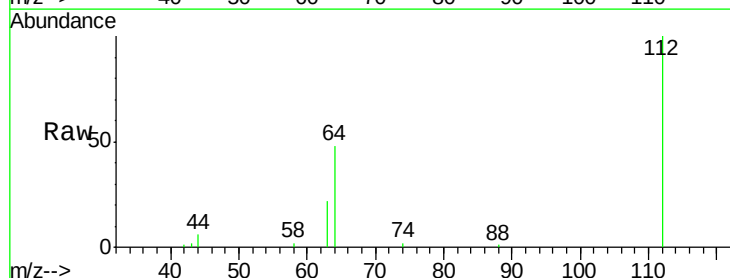
Tgt Ion: 112 Resp: 59713

Ion Ratio Lower Upper

112 100

64 51.6 42.0 63.0

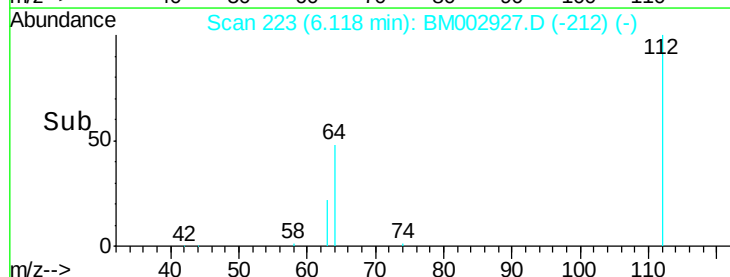
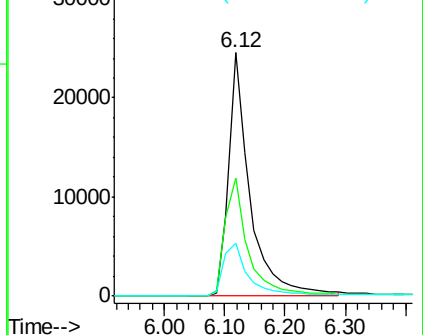
63 24.5 20.0 30.0

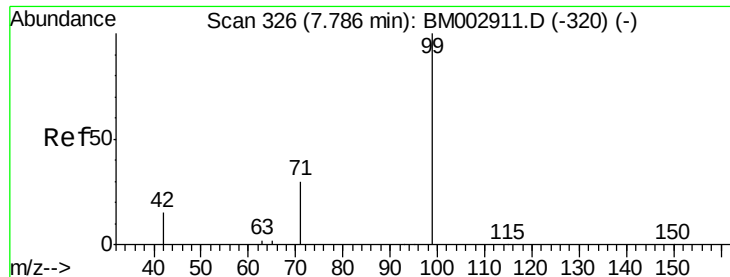


Abundance Ion 112.00 (111.70 to 112.70): BM002927.D (-221) (-)

Ion 64.00 (63.70 to 64.70): BM002927.D (-221) (-)

Ion 63.00 (62.70 to 63.70): BM002927.D (-221) (-)





#5

Phenol-d6

Concen: 2.05 ng

RT: 7.79 min Scan# 326

Delta R.T. -0.02 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

Instrument :

BNA_M

ClientSampled :

RAV-GT-201

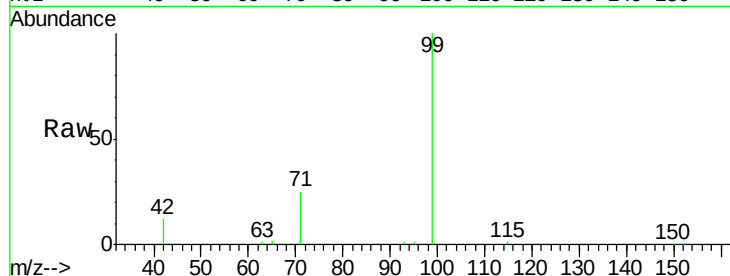
Tot Ion: 99 Resp: 49515

Ion Ratio Lower Upper

99 100

42 15.6 12.4 18.6

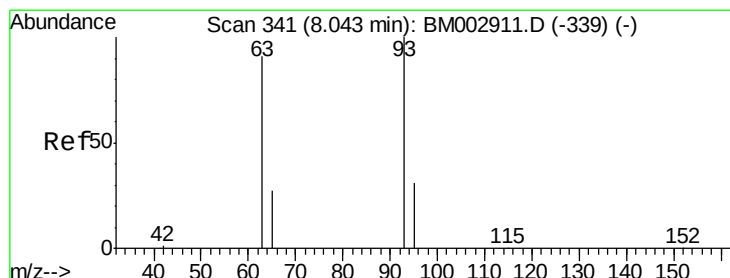
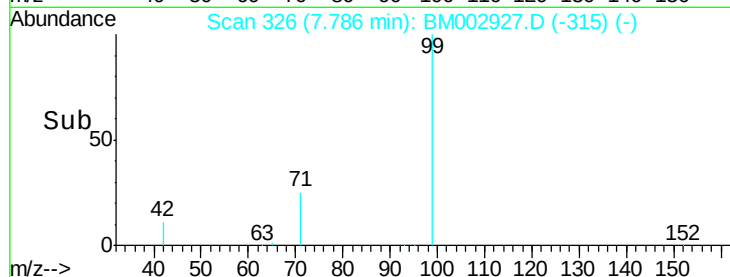
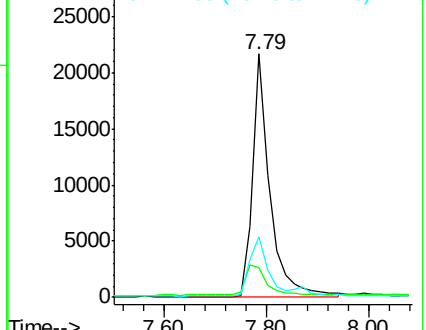
71 30.3 21.4 32.0



Abundance Ion 99.00 (98.70 to 99.70): BM002927.D (-315) (-)

Ion 42.00 (41.70 to 42.70): BM002927.D (-315) (-)

Ion 71.00 (70.70 to 71.70): BM002927.D (-315) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.15 ng

RT: 7.96 min Scan# 336

Delta R.T. -0.10 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

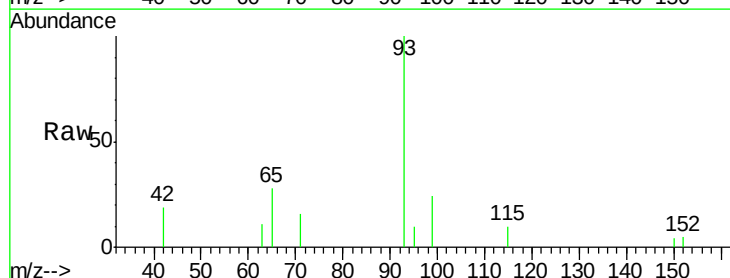
Tgt Ion: 93 Resp: 3535

Ion Ratio Lower Upper

93 100

63 4.6 52.9 79.3#

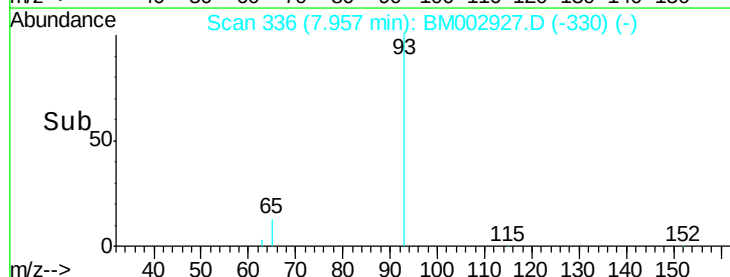
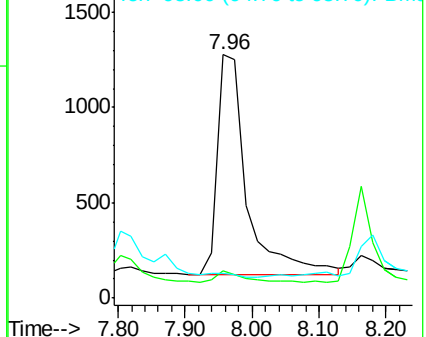
95 0.0 25.2 37.8#

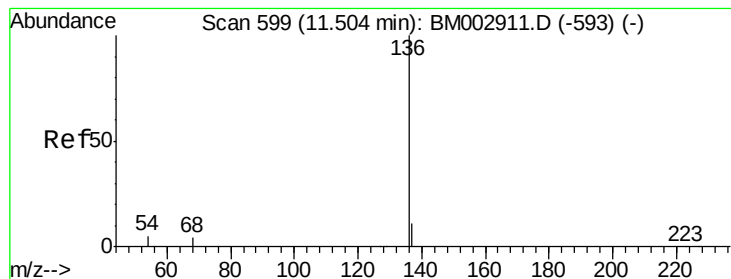


Abundance Ion 93.00 (92.70 to 93.70): BM002927.D (-330) (-)

Ion 63.00 (62.70 to 63.70): BM002927.D (-330) (-)

Ion 95.00 (94.70 to 95.70): BM002927.D (-330) (-)





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 11.50 min Scan# 599

Delta R.T. -0.00 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

Instrument :

BNA_M

ClientSampleId :

RAV-GT-201

Tot Ion:136 Resp: 428405

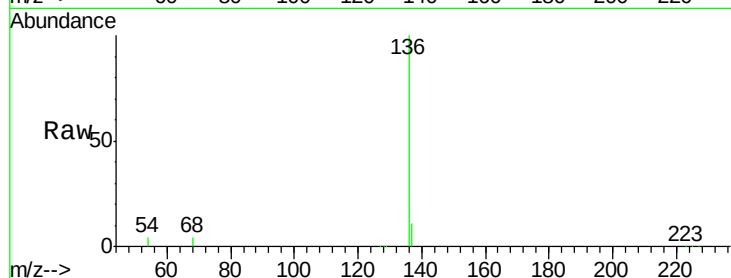
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 4.4 3.5 5.3

68 4.1 3.3 4.9

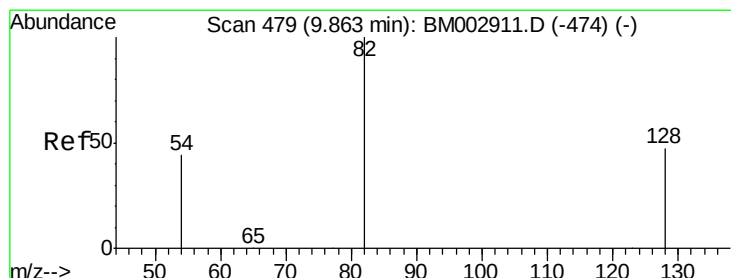
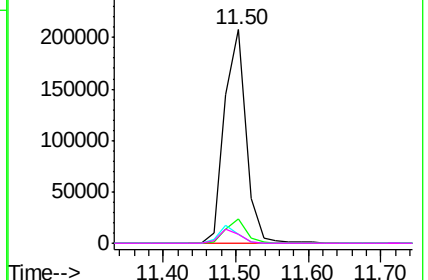
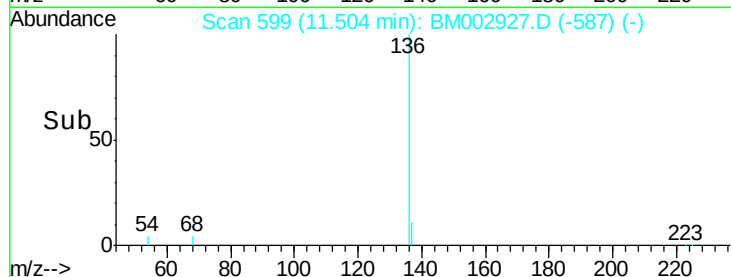


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 4.01 ng

RT: 9.85 min Scan# 478

Delta R.T. -0.01 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

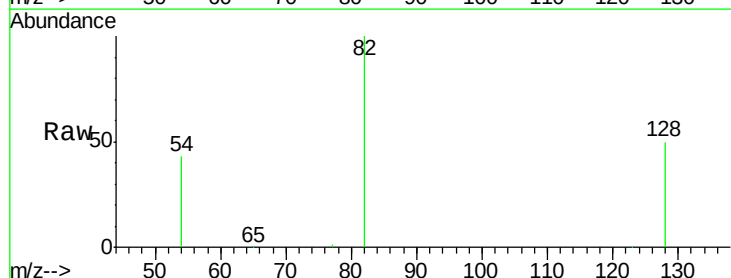
Tgt Ion: 82 Resp: 82230

Ion Ratio Lower Upper

82 100

128 50.1 34.1 51.1

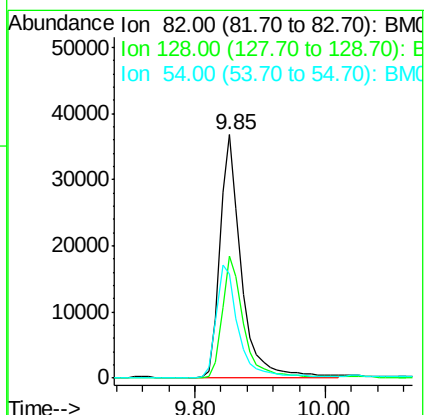
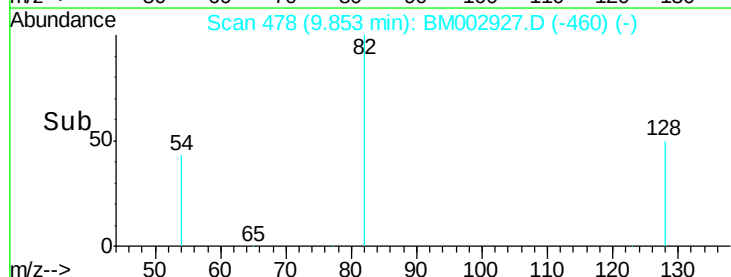
54 43.0 42.6 63.8

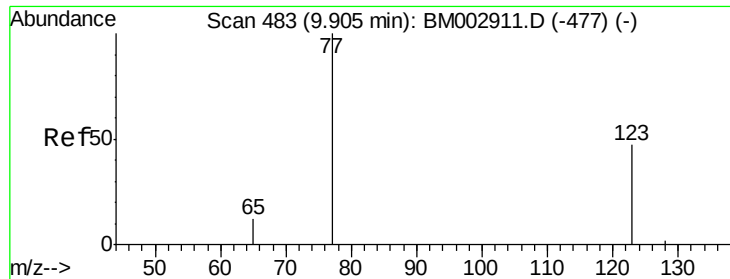


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#9

Nitrobenzene

Concen: 0.01 ng

RT: 9.94 min Scan# 486

Delta R.T. 0.02 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

Instrument :

BNA_M

ClientSampleId :

RAV-GT-201

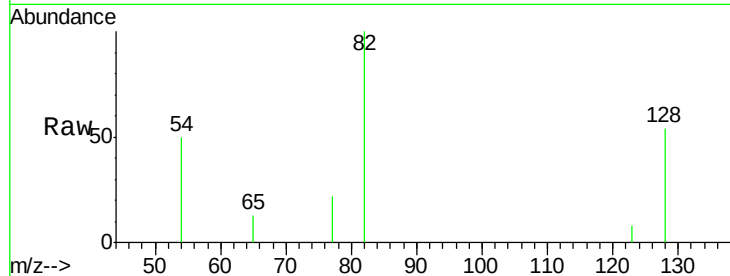
Tot Ion: 77 Resp: 121

Ion Ratio Lower Upper

77 100

123 0.0 41.0 61.4#

65 34.7 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) (-)

Time-->

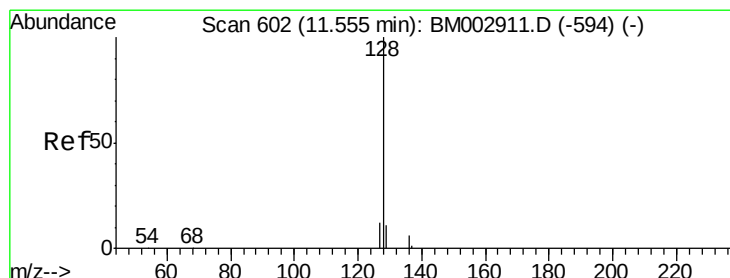
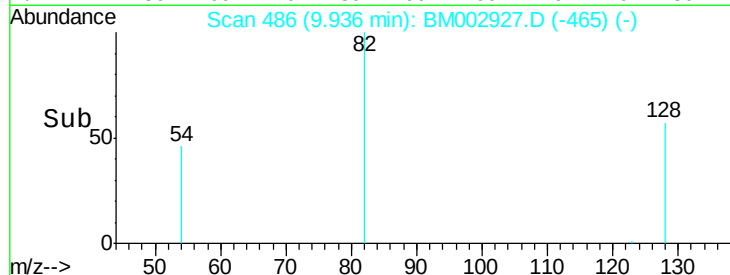
9.94

200

100

0

9.90 9.95 10.00



#10

Naphthalene

Concen: 0.39 ng

RT: 11.56 min Scan# 602

Delta R.T. -0.00 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

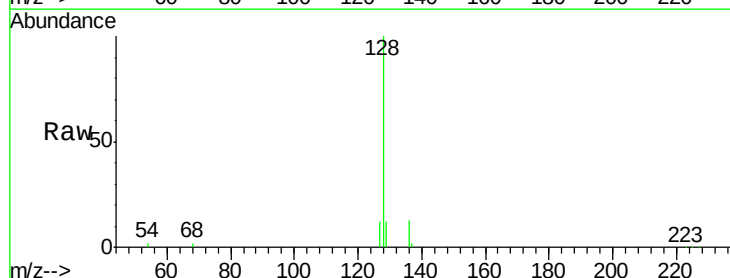
Tgt Ion: 128 Resp: 37017

Ion Ratio Lower Upper

128 100

129 12.1 9.4 14.2

127 12.4 9.6 14.4



Abundance Ion 128.00 (127.70 to 128.70): BM002911.D (-594) (-)

Ion 129.00 (128.70 to 129.70): BM002911.D (-594) (-)

Ion 127.00 (126.70 to 127.70): BM002911.D (-594) (-)

Time-->

11.56

20000

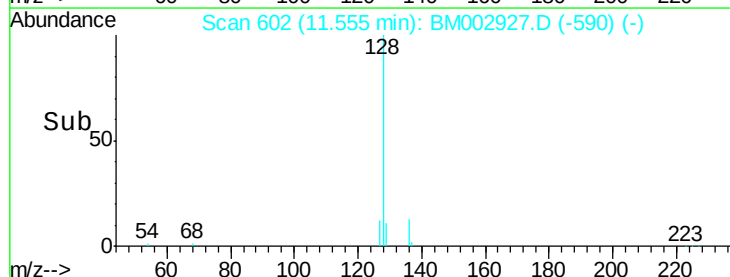
15000

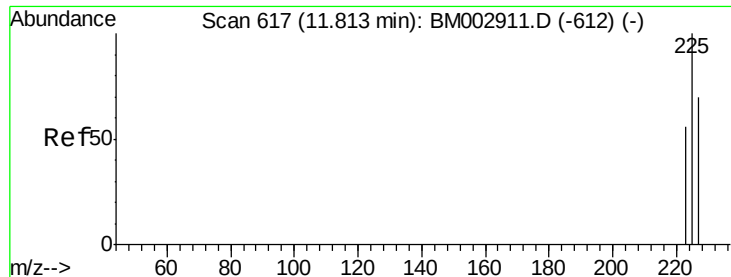
10000

5000

0

11.40 11.50 11.60 11.70





#11

Hexachlorobutadiene

Concen: 0.00 ng

RT: 11.80 min Scan# 616

Delta R.T. -0.02 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

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ClientSampleId :

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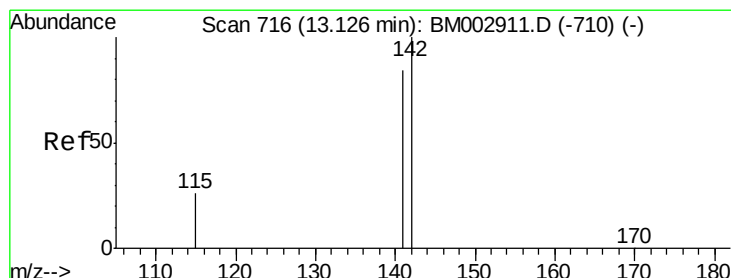
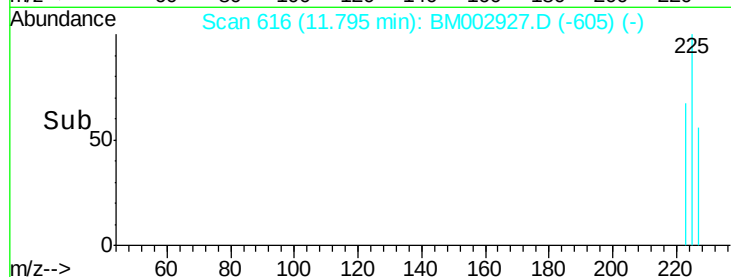
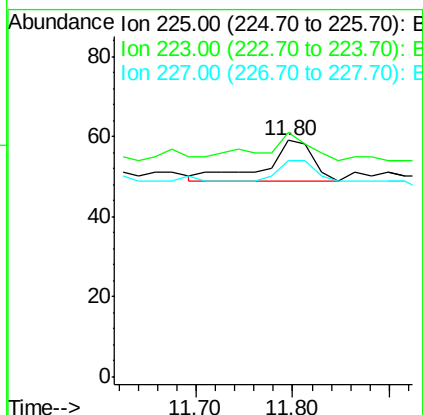
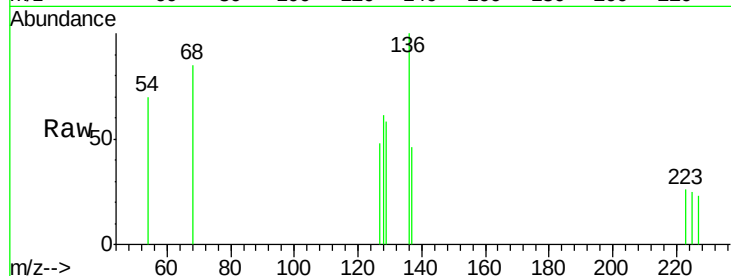
Tot Ion:225 Resp: 33

Ion Ratio Lower Upper

225 100

223 75.8 50.1 75.1#

227 36.4 51.2 76.8#



#12

2-Methylnaphthalene

Concen: 0.06 ng

RT: 13.13 min Scan# 716

Delta R.T. 0.01 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

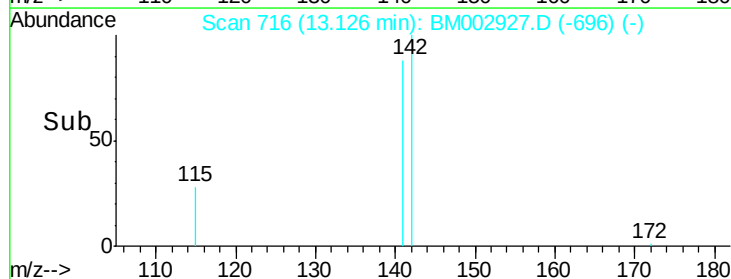
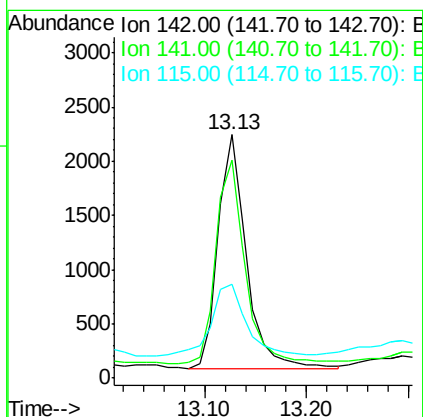
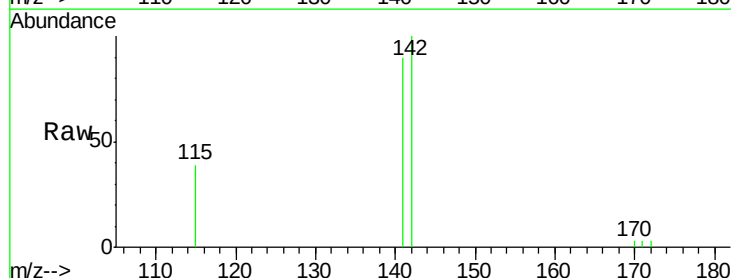
Tgt Ion:142 Resp: 4126

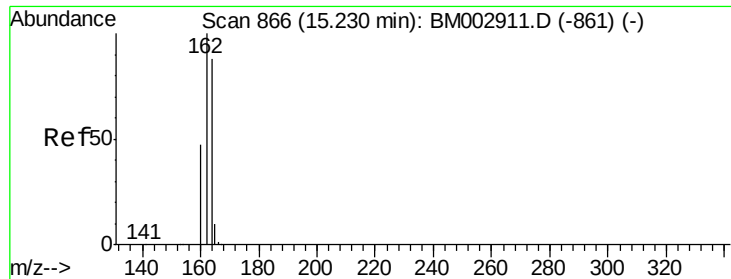
Ion Ratio Lower Upper

142 100

141 89.7 69.4 104.0

115 38.6 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: BM002927.D

Acq: 15 Oct 2015 22:58

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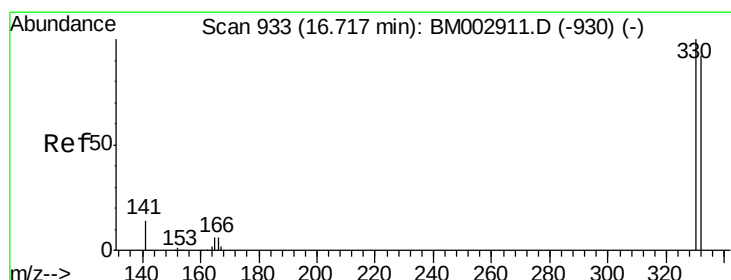
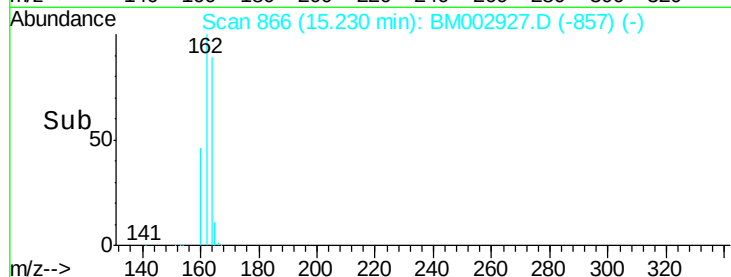
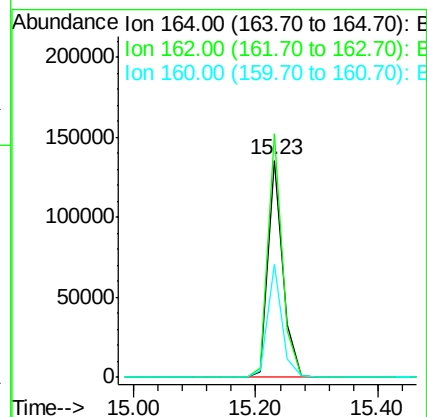
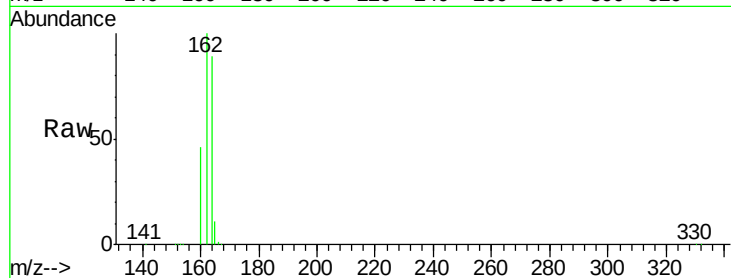
Tot Ion:164 Resp: 230820

Ion Ratio Lower Upper

164 100

162 112.1 79.6 119.4

160 52.1 33.1 49.7#



#14

2,4,6-Tribromophenol

Concen: 8.59 ng

RT: 16.72 min Scan# 933

Delta R.T. -0.00 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

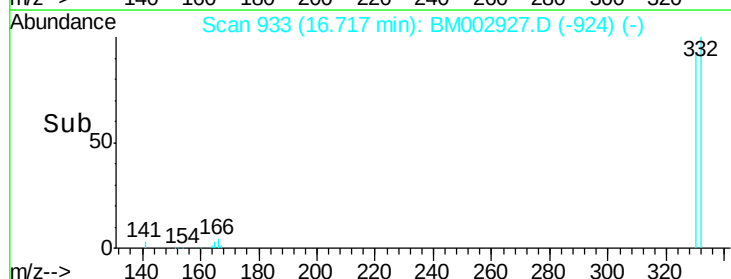
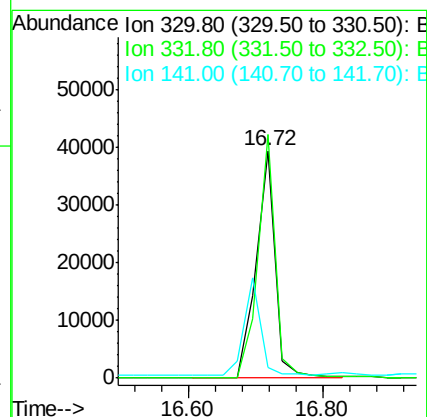
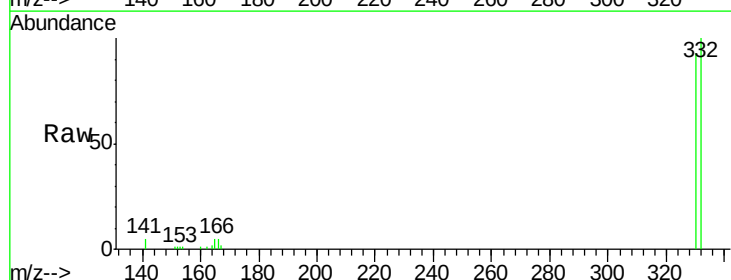
Tgt Ion:330 Resp: 77717

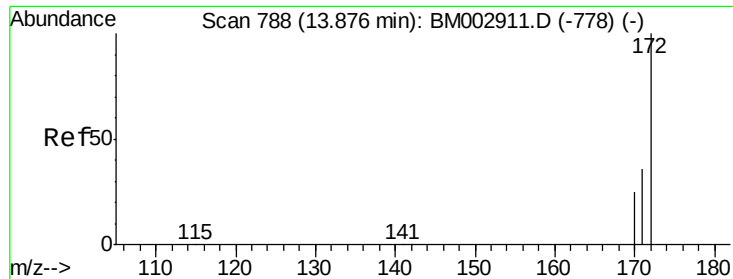
Ion Ratio Lower Upper

330 100

332 98.6 76.6 115.0

141 0.0 0.0 0.0

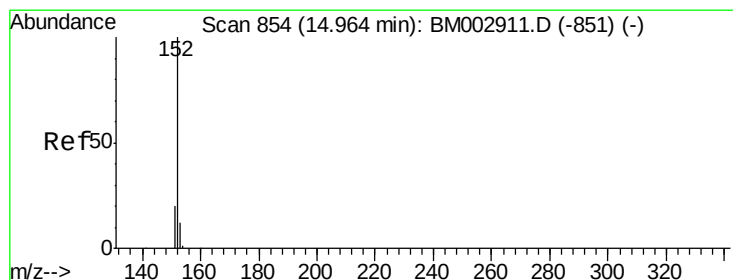
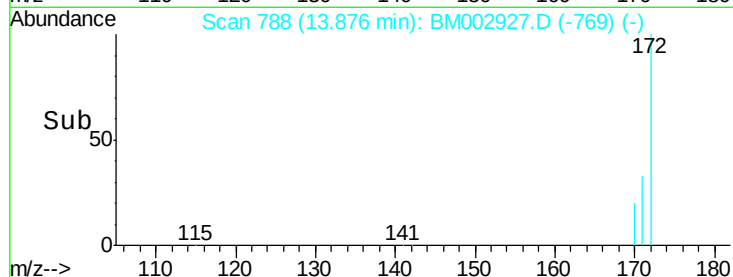
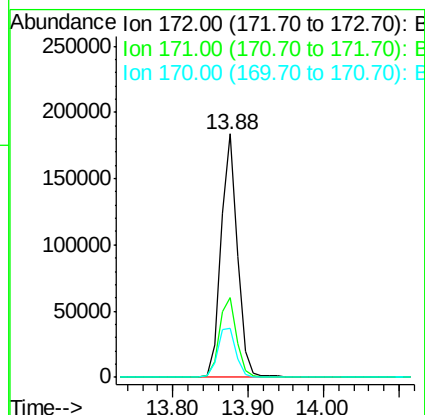
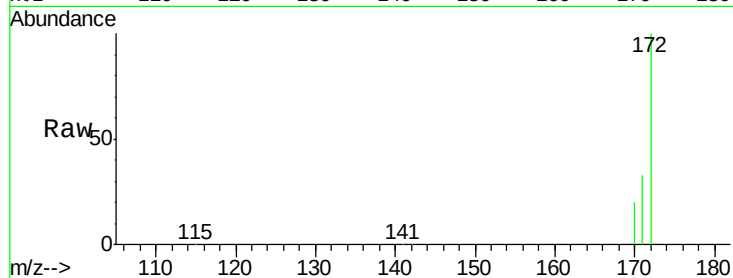




#15
2-Fluorobiphenyl
Concen: 3.84 ng
RT: 13.88 min Scan# 788
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

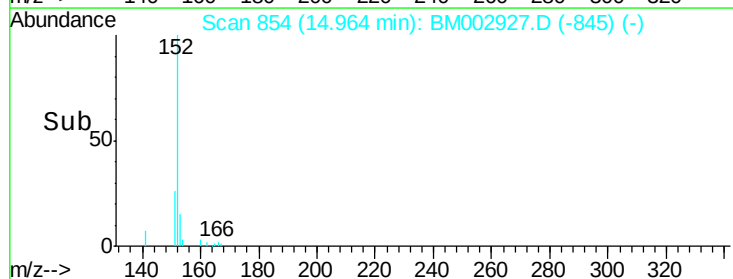
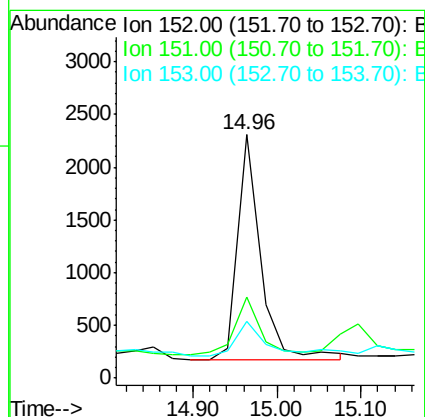
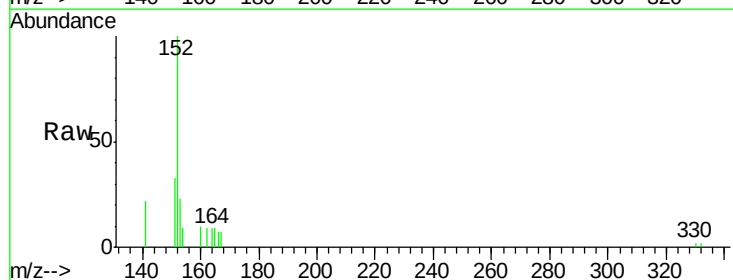
Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

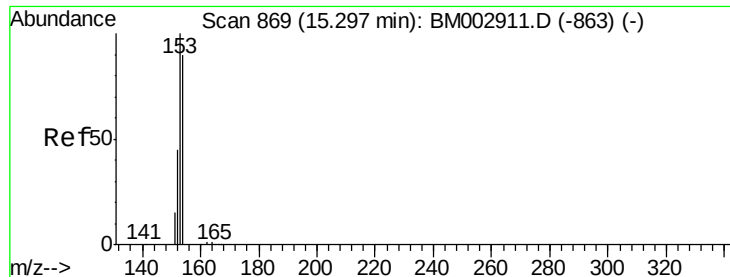
Tot Ion:172 Resp: 283570
Ion Ratio Lower Upper
172 100
171 32.9 26.1 39.1
170 20.1 15.7 23.5



#16
Acenaphthylene
Concen: 0.04 ng
RT: 14.96 min Scan# 854
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion:152 Resp: 4087
Ion Ratio Lower Upper
152 100
151 28.5 15.3 22.9#
153 19.3 10.5 15.7#

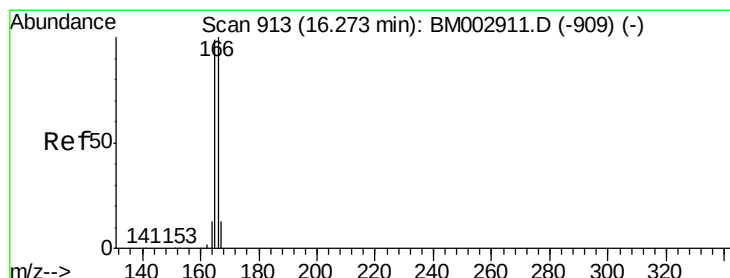
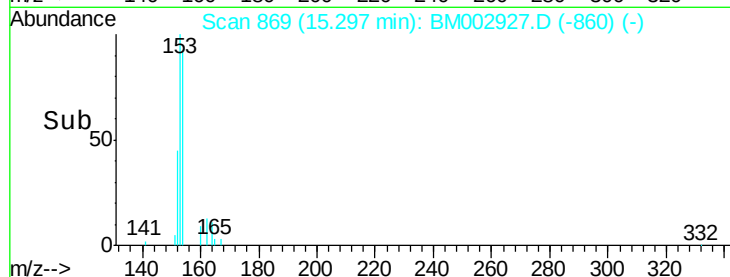
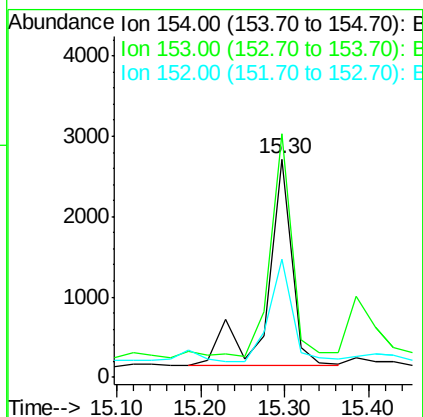
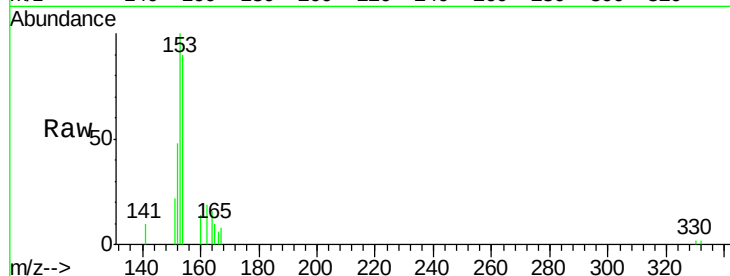




#17
Acenaphthene
Concen: 0.08 ng
RT: 15.30 min Scan# 869
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

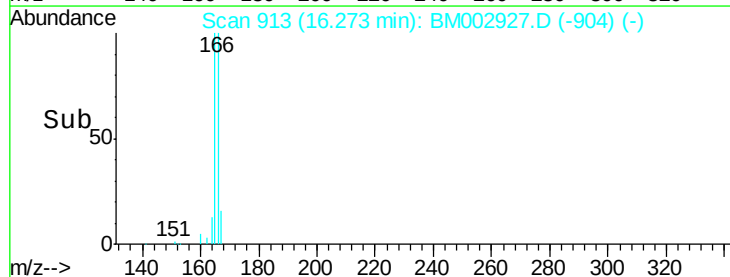
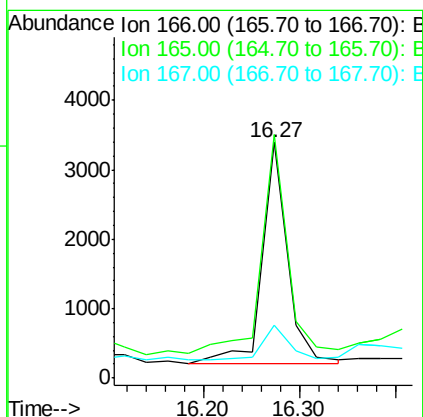
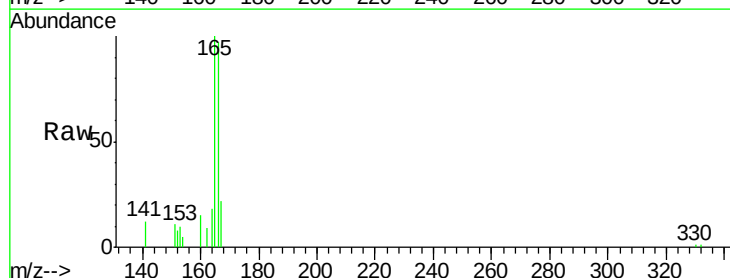
Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

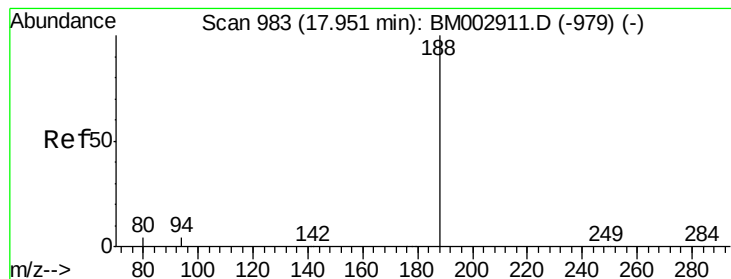
Tot Ion:154 Resp: 5290
Ion Ratio Lower Upper
154 100
153 88.6 0.0 0.0#
152 45.6 0.0 0.0#



#18
Fluorene
Concen: 0.07 ng
RT: 16.27 min Scan# 913
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion:166 Resp: 5674
Ion Ratio Lower Upper
166 100
165 101.0 77.3 115.9
167 16.3 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: BM002927.D

Acq: 15 Oct 2015 22:58

Instrument :

BNA_M

ClientSampleId :

RAV-GT-201

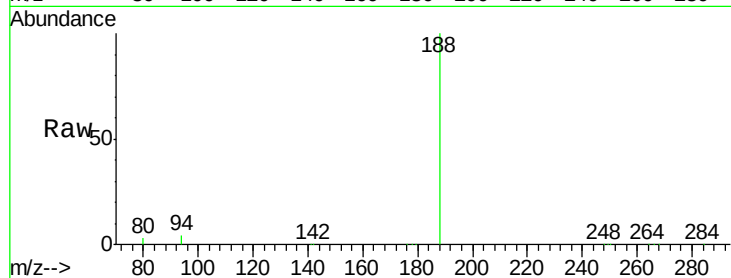
Tot Ion:188 Resp: 456202

Ion Ratio Lower Upper

188 100

94 3.9 15.2 22.8#

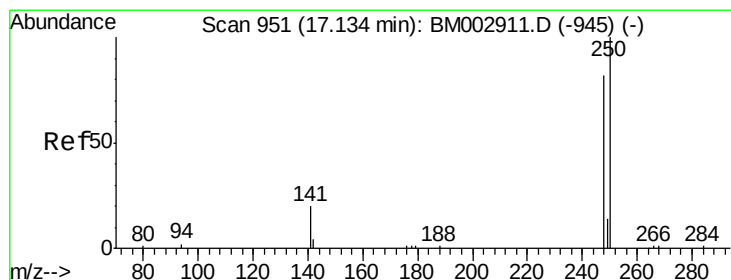
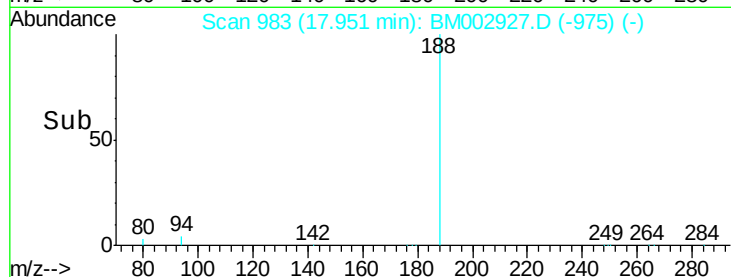
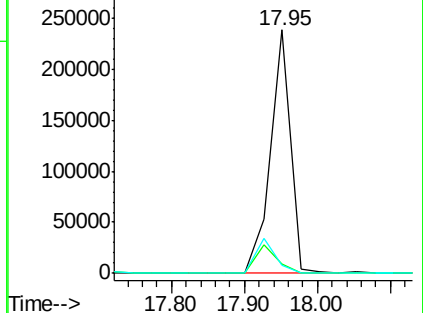
80 3.2 15.9 23.9#



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# 951

Delta R.T. -0.00 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

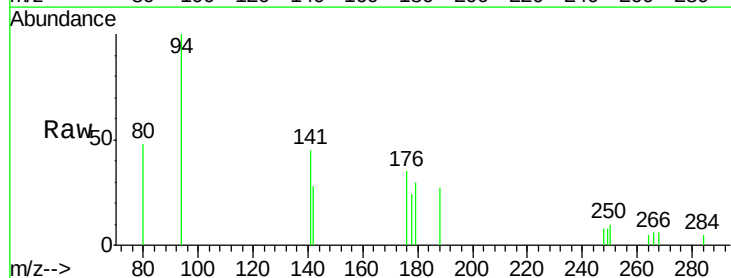
Tgt Ion:248 Resp: 947

Ion Ratio Lower Upper

248 100

250 122.4 71.4 107.2#

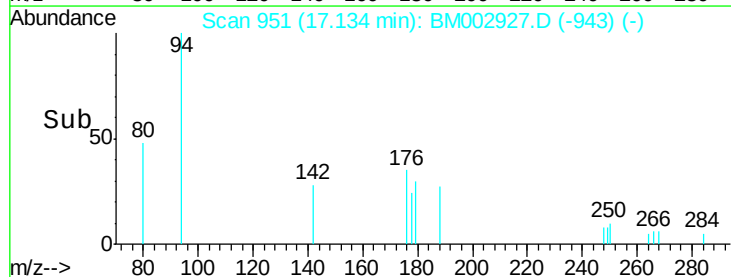
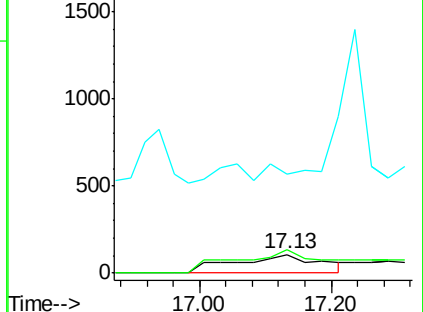
141 0.0 54.6 82.0#

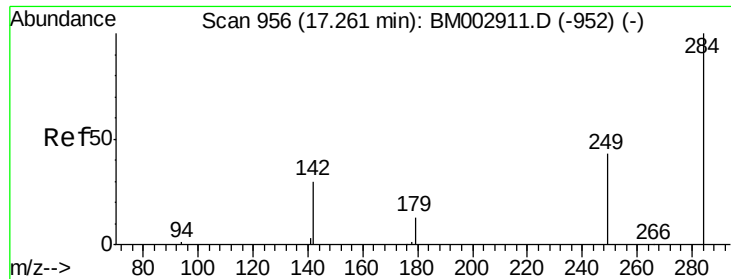


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: Below Cal

RT: 17.26 min Scan# 956

Delta R.T. -0.00 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

Instrument :

BNA_M

ClientSampleId :

RAV-GT-201

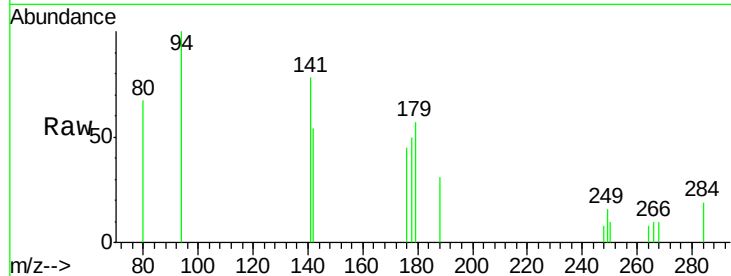
Tot Ion:284 Resp: 187

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

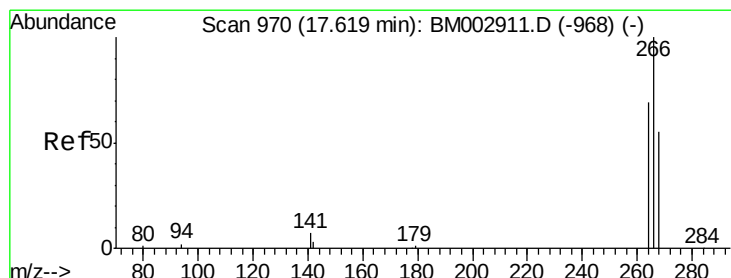
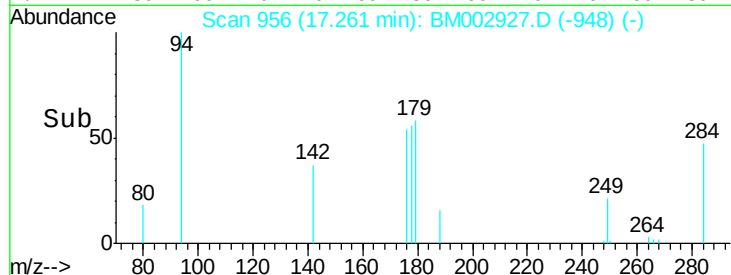
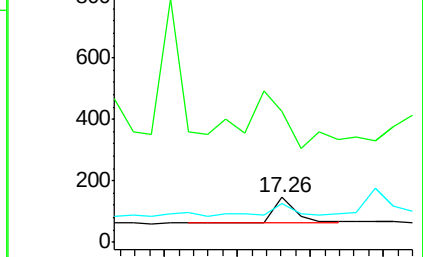
249 33.7 20.7 31.1#



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: 0.33 ng

RT: 17.62 min Scan# 970

Delta R.T. -0.00 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

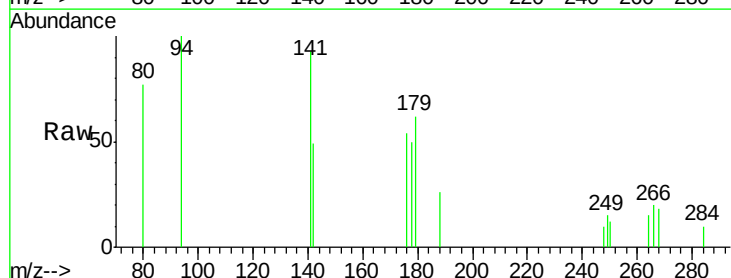
Tgt Ion:266 Resp: 205

Ion Ratio Lower Upper

266 100

268 91.7 58.3 87.5#

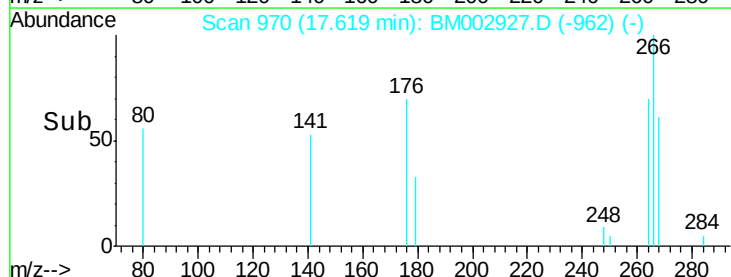
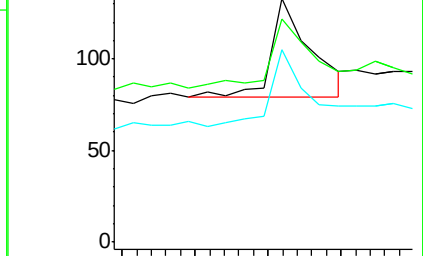
264 78.9 54.2 81.2

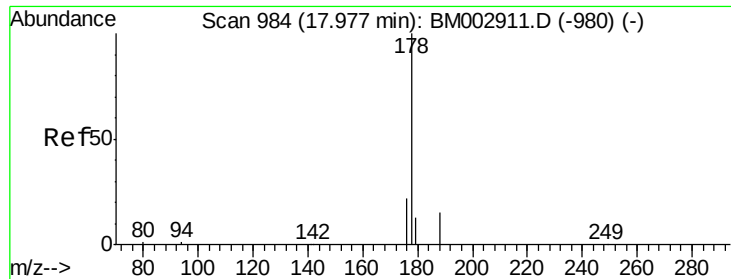


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 0.08 ng

RT: 17.98 min Scan# 984

Delta R.T. -0.00 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

Instrument :

BNA_M

ClientSampleId :

RAV-GT-201

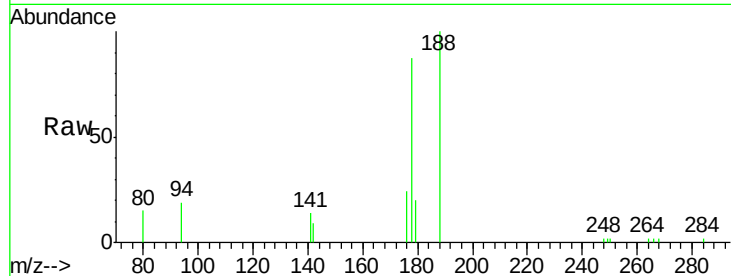
Tot Ion:178 Resp: 8473

Ion Ratio Lower Upper

178 100

176 25.3 14.6 21.8#

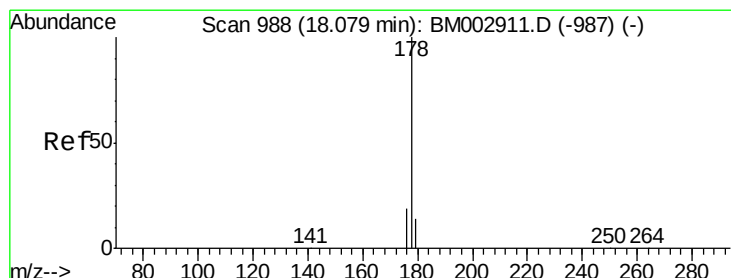
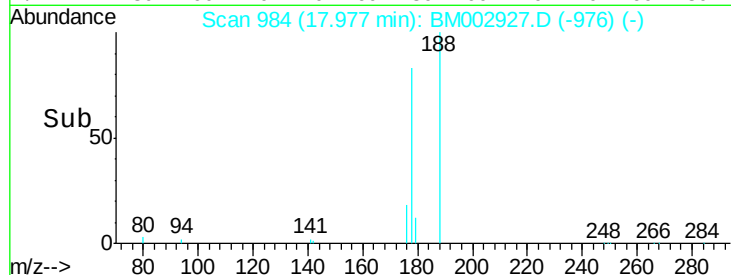
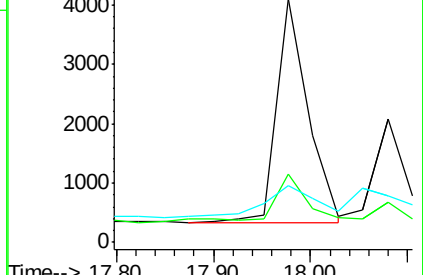
179 23.2 12.5 18.7#



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: 0.04 ng

RT: 18.08 min Scan# 988

Delta R.T. -0.00 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

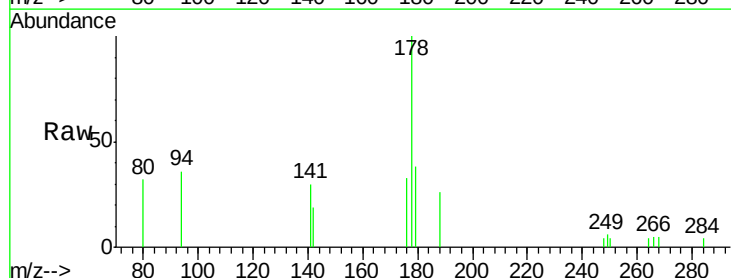
Tgt Ion:178 Resp: 3739

Ion Ratio Lower Upper

178 100

176 15.6 13.9 20.9

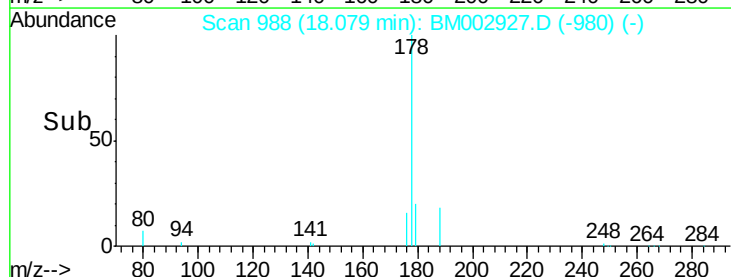
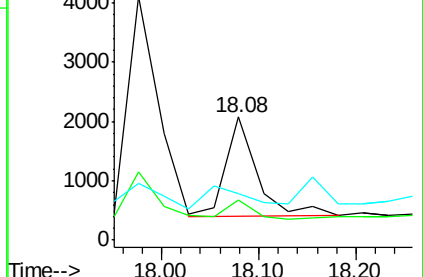
179 0.0 12.6 18.8#

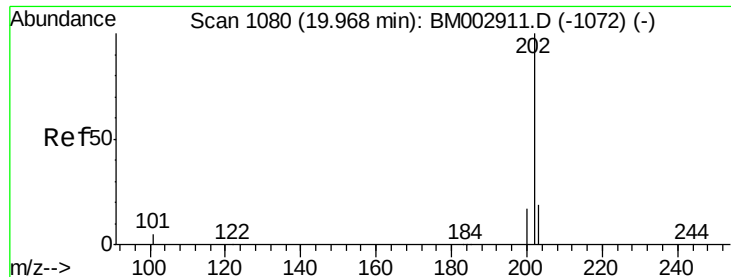


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 0.06 ng

RT: 19.95 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

Instrument :

BNA_M

ClientSampleId :

RAV-GT-201

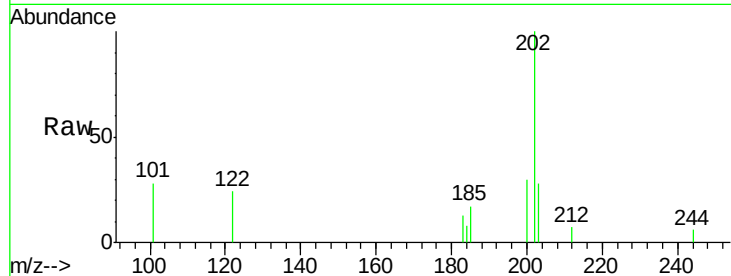
Tot Ion:202 Resp: 7198

Ion Ratio Lower Upper

202 100

101 19.8 11.0 16.6#

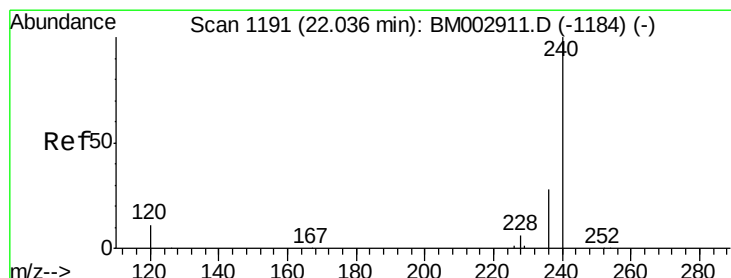
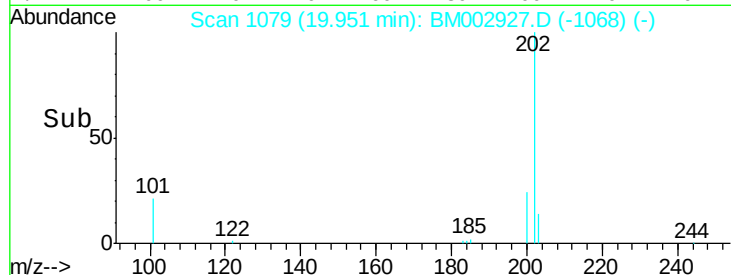
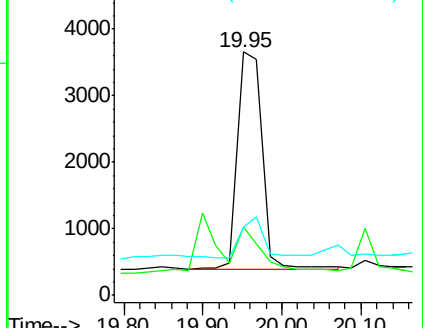
203 17.6 13.8 20.6



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: BM002927.D

Acq: 15 Oct 2015 22:58

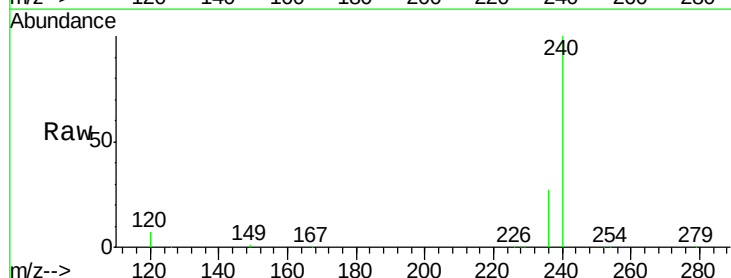
Tgt Ion:240 Resp: 424659

Ion Ratio Lower Upper

240 100

120 7.1 3.3 4.9#

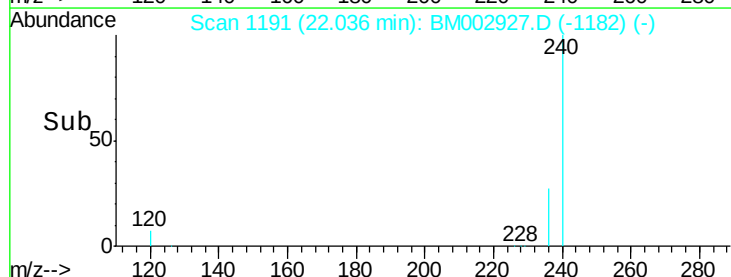
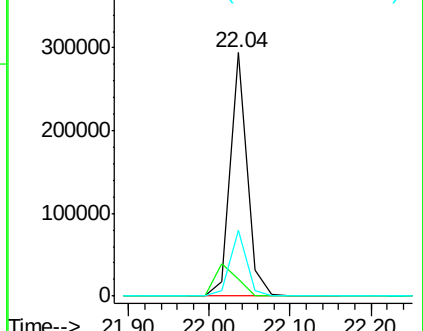
236 27.1 19.5 29.3

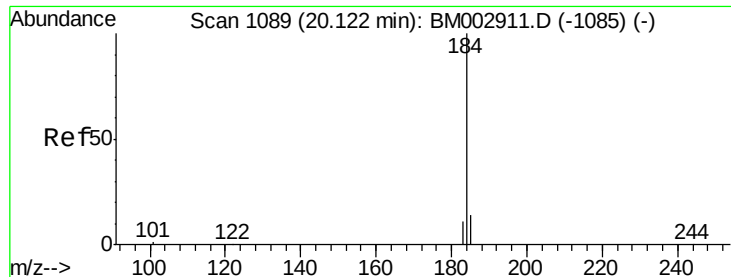


Abundance Ion 240.00 (239.70 to 240.70): E

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: 20.14 min Scan# 1090

Delta R.T. 0.01 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

Instrument :

BNA_M

ClientSampleId :

RAV-GT-201

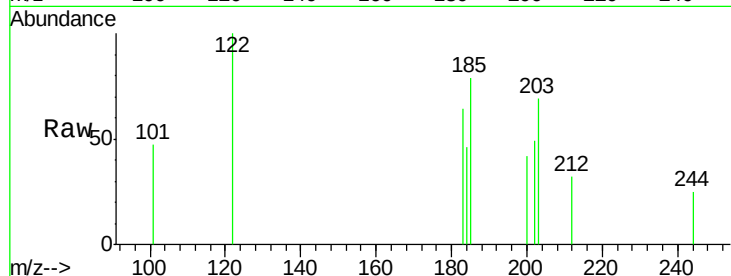
Tot Ion:184 Resp: 245

Ion Ratio Lower Upper

184 100

185 174.6 12.0 18.0#

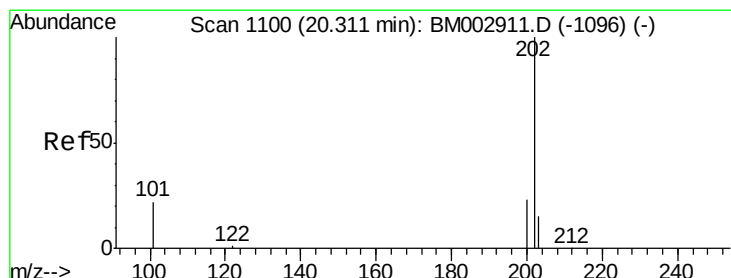
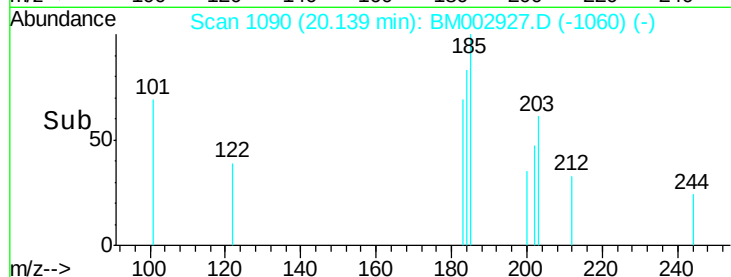
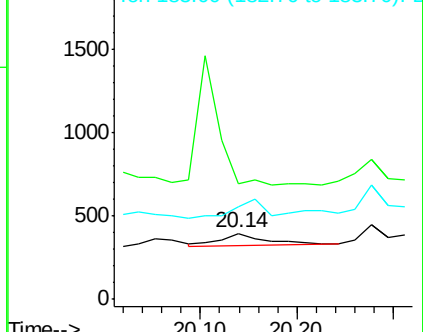
183 139.5 8.9 13.3#



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: 0.06 ng

RT: 20.31 min Scan# 1100

Delta R.T. -0.00 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

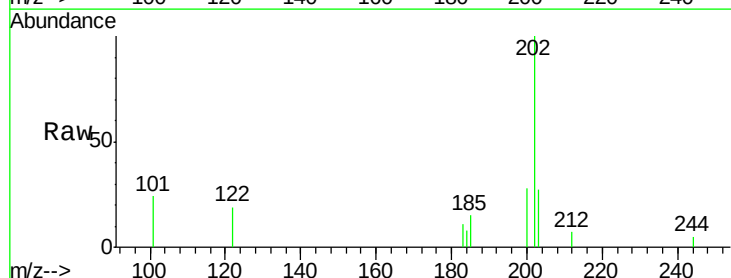
Tgt Ion:202 Resp: 7630

Ion Ratio Lower Upper

202 100

200 21.0 16.2 24.4

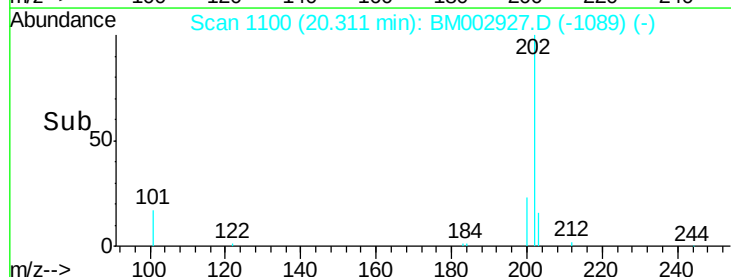
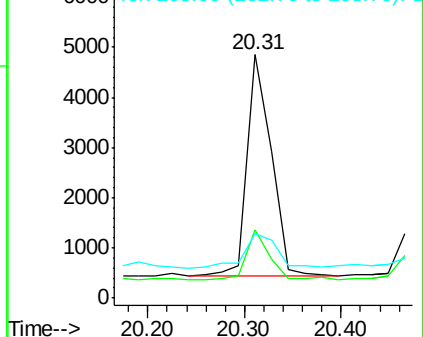
203 20.5 13.8 20.8

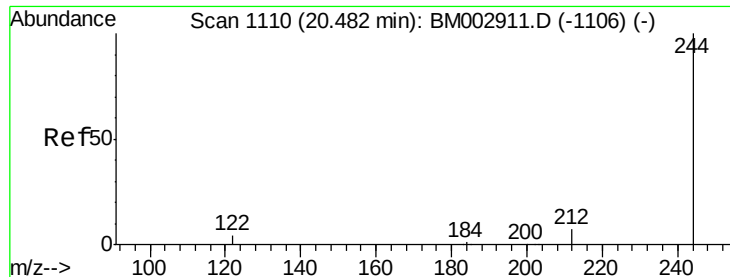


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 4.21 ng

RT: 20.48 min Scan# 1110

Delta R.T. -0.00 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

Instrument :

BNA_M

ClientSampleId :

RAV-GT-201

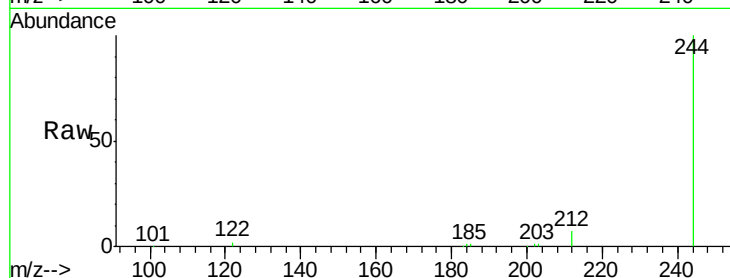
Tot Ion:244 Resp: 267521

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

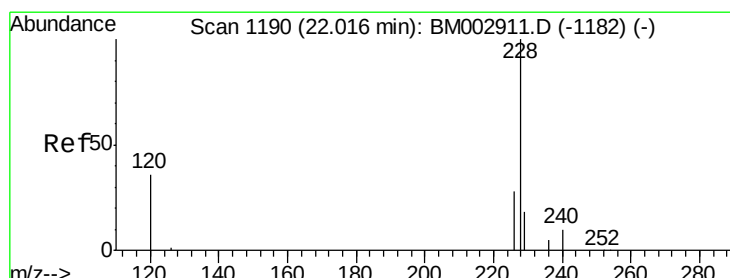
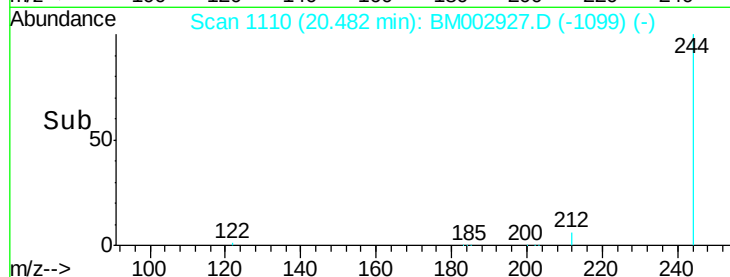
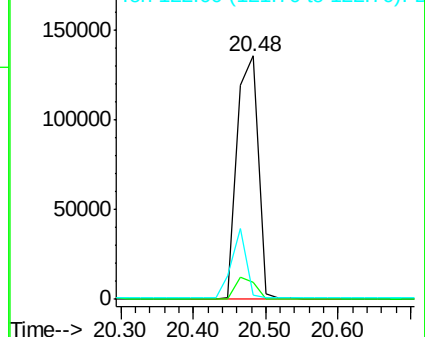
122 1.7 2.2 3.2#



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: 22.02 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

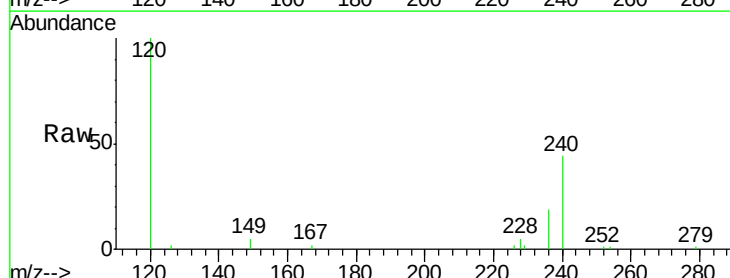
Tgt Ion:228 Resp: 5415

Ion Ratio Lower Upper

228 100

226 38.3 19.0 28.6#

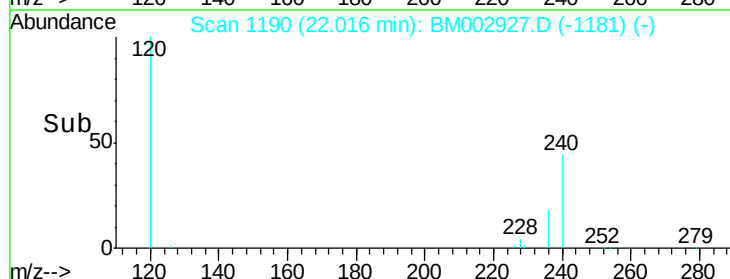
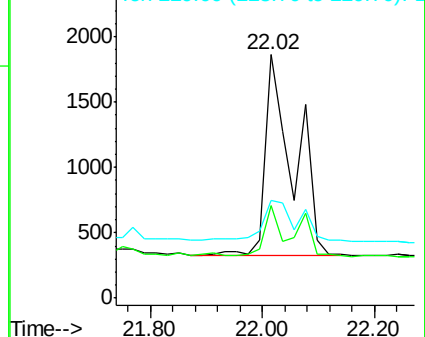
229 40.0 16.8 25.2#

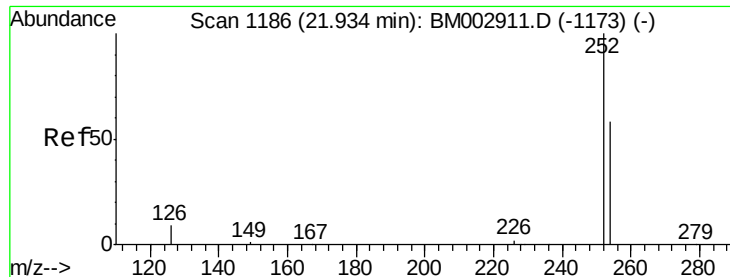


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

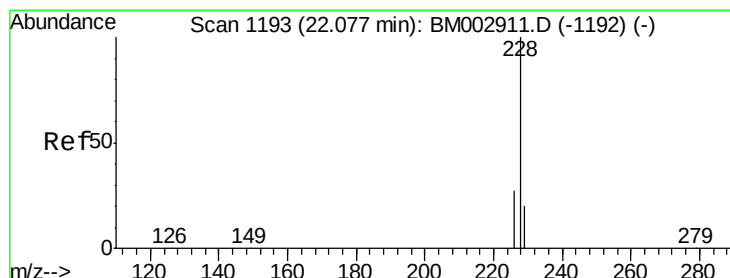
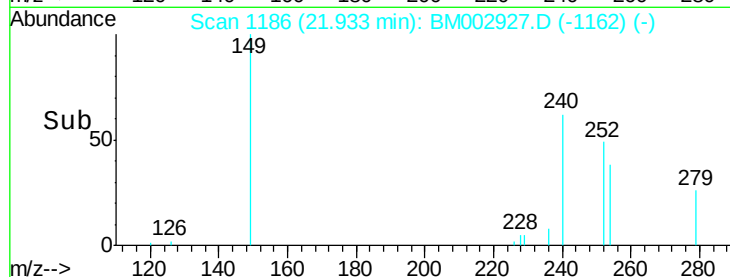
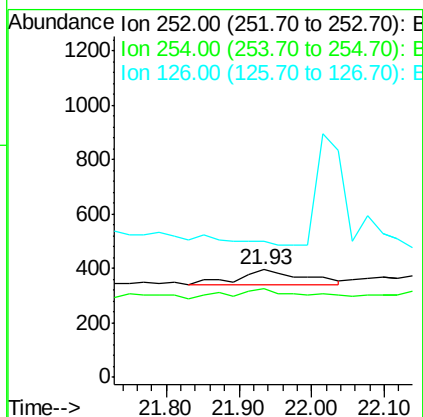
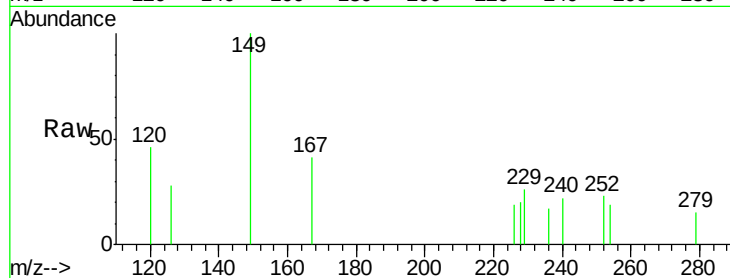




#31
 3,3'-Dichlorobenzidine
 Concen: 0.01 ng
 RT: 21.93 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BM002927.D
 Acq: 15 Oct 2015 22:58

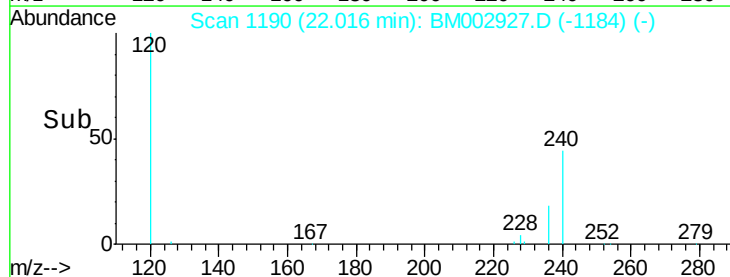
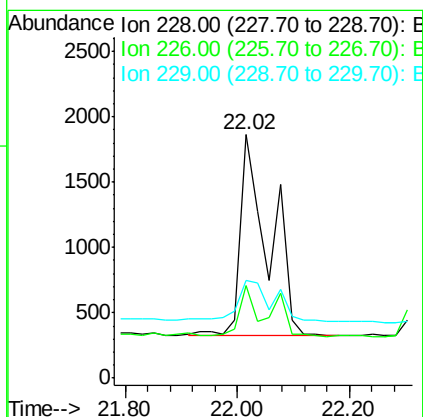
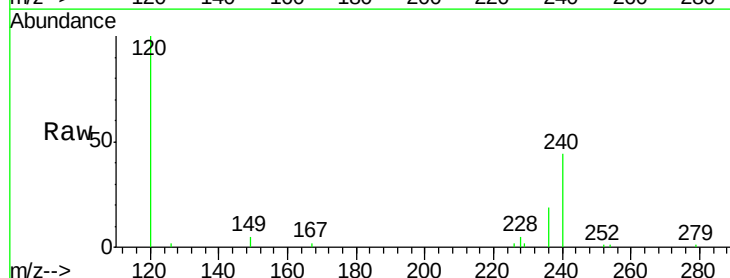
Instrument :
 BNA_M
 ClientSampled :
 RAV-GT-201

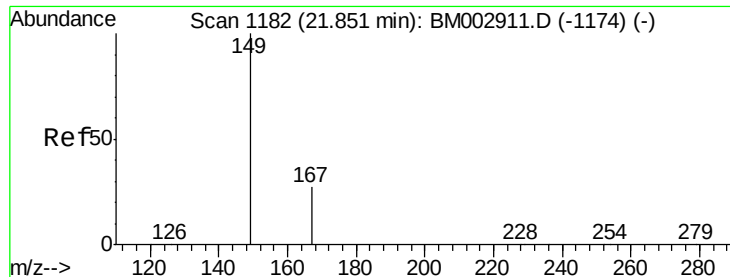
Tot Ion:252 Resp: 315
 Ion Ratio Lower Upper
 252 100
 254 83.0 54.1 81.1#
 126 126.3 4.1 6.1#



#32
 Chrysene
 Concen: 0.05 ng
 RT: 22.02 min Scan# 1190
 Delta R.T. -0.07 min
 Lab File: BM002927.D
 Acq: 15 Oct 2015 22:58

Tgt Ion:228 Resp: 5415
 Ion Ratio Lower Upper
 228 100
 226 38.3 20.6 30.8#
 229 40.0 17.4 26.2#





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.40 ng

RT: 21.85 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

Instrument :

BNA_M

ClientSampleId :

RAV-GT-201

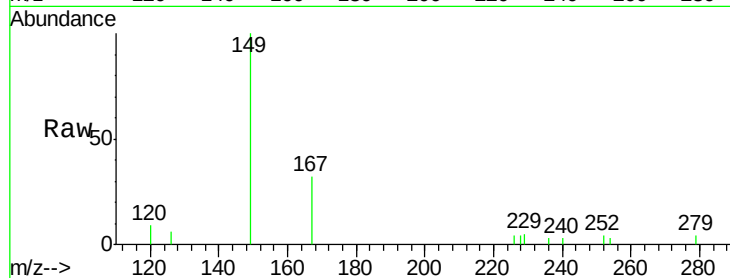
Tot Ion:149 Resp: 10488

Ion Ratio Lower Upper

149 100

167 29.6 17.2 25.8#

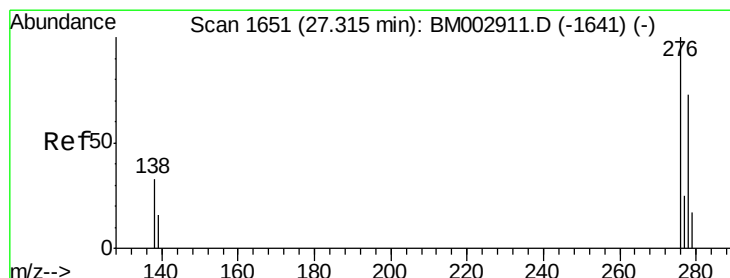
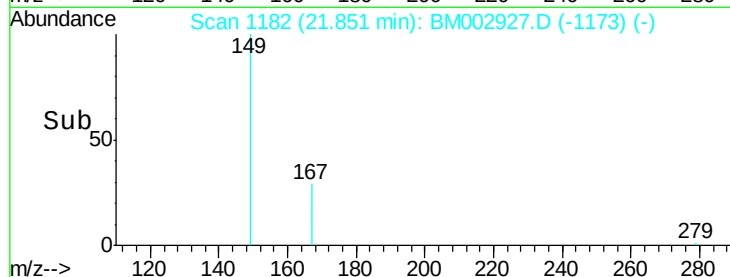
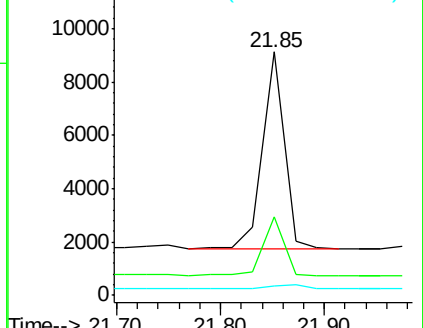
279 0.0 2.2 3.4#



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: 27.33 min Scan# 1652

Delta R.T. 0.01 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

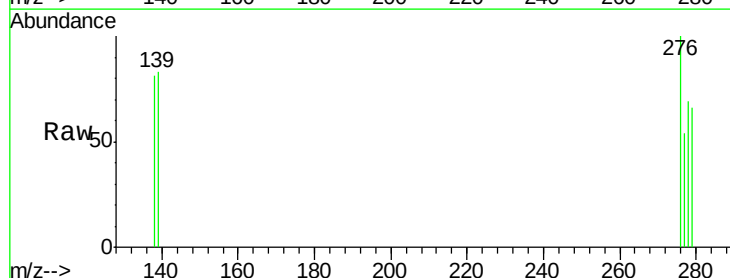
Tgt Ion:276 Resp: 1021

Ion Ratio Lower Upper

276 100

138 34.4 29.0 43.6

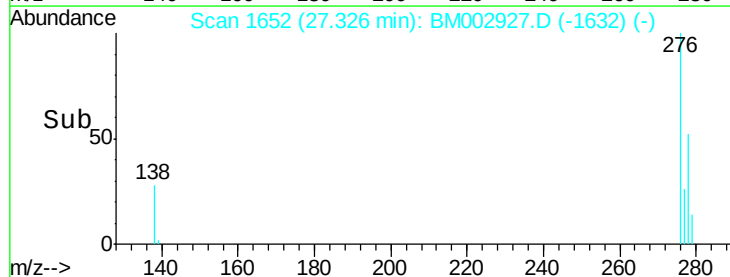
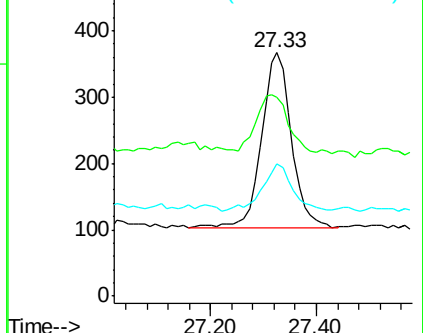
277 27.4 19.8 29.8

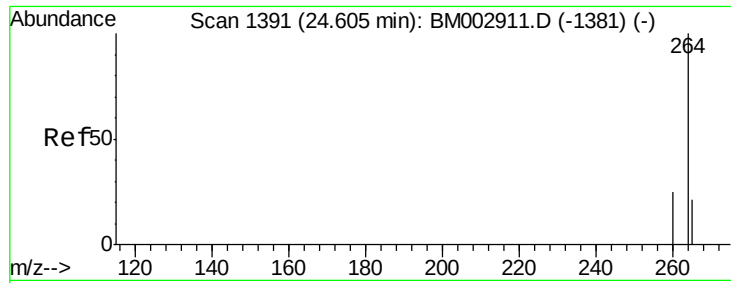


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

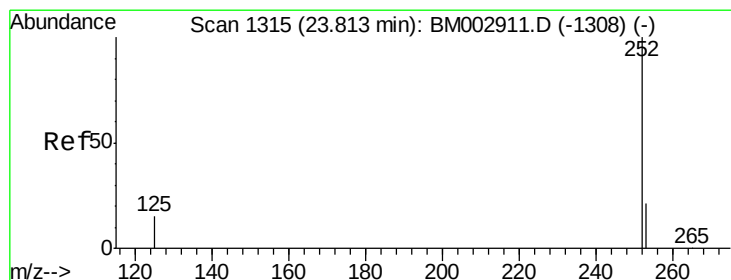
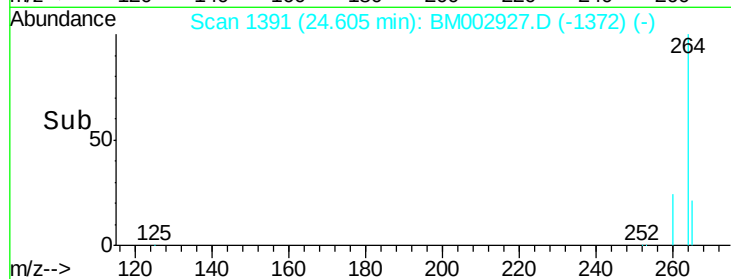
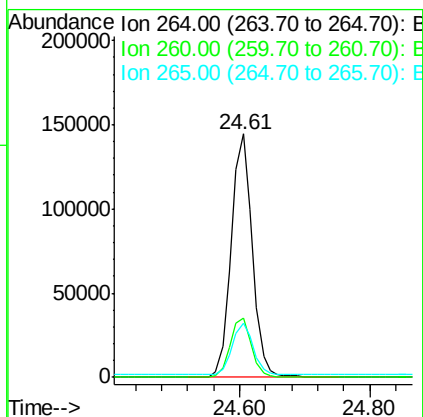
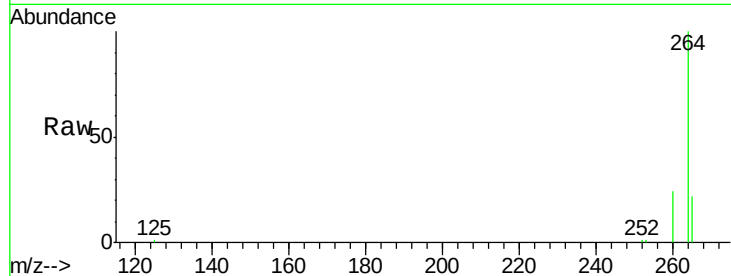




#35
 Pervlene-d12
 Concen: 5.00 ng
 RT: 24.61 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: BM002927.D
 Acq: 15 Oct 2015 22:58

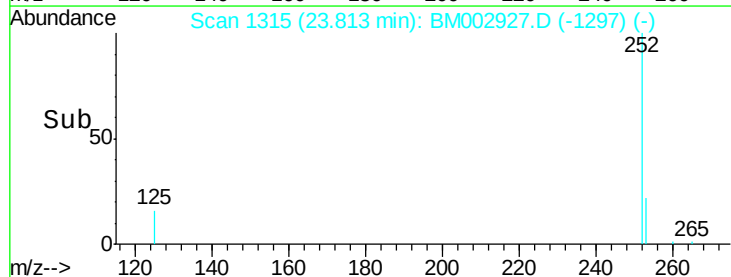
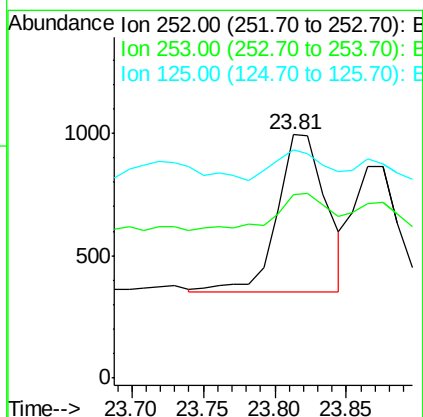
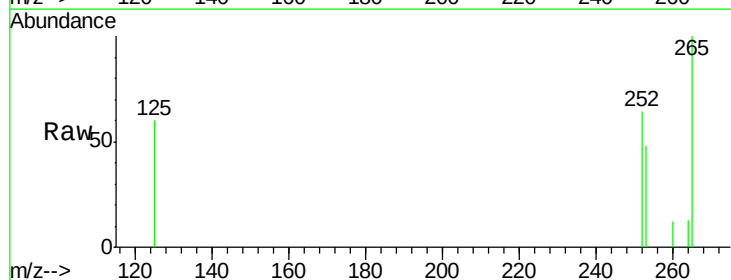
Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-201

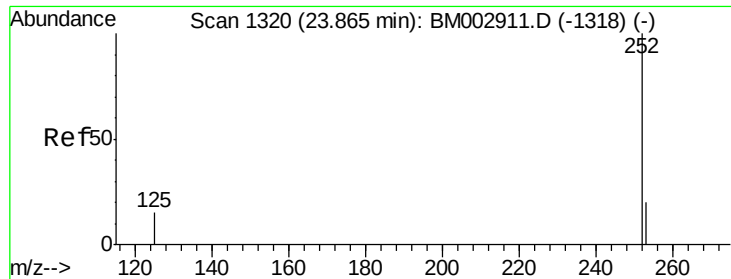
Tot Ion:264 Resp: 322037
 Ion Ratio Lower Upper
 264 100
 260 24.4 20.1 30.1
 265 22.3 17.6 26.4



#36
 Benzo(b)fluoranthene
 Concen: 0.02 ng
 RT: 23.81 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BM002927.D
 Acq: 15 Oct 2015 22:58

Tgt Ion:252 Resp: 1547
 Ion Ratio Lower Upper
 252 100
 253 75.2 17.5 26.3#
 125 93.7 12.4 18.6#





#37

Benzo(k)fluoranthene

Concen: 0.01 ng

RT: 23.86 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

Instrument :

BNA_M

ClientSampleId :

RAV-GT-201

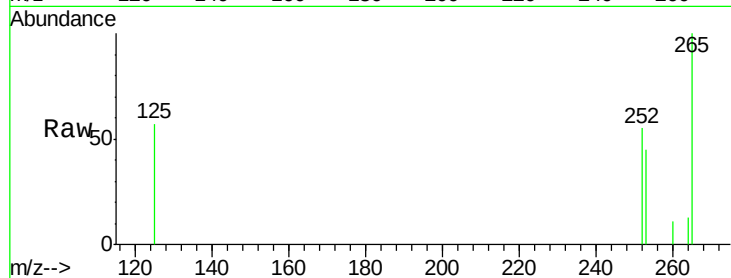
Tot Ion:252 Resp: 1132

Ion Ratio Lower Upper

252 100

253 82.6 17.9 26.9#

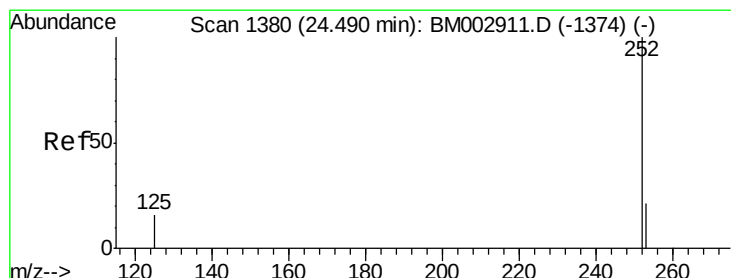
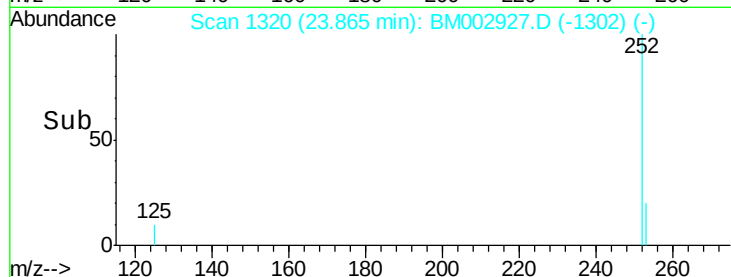
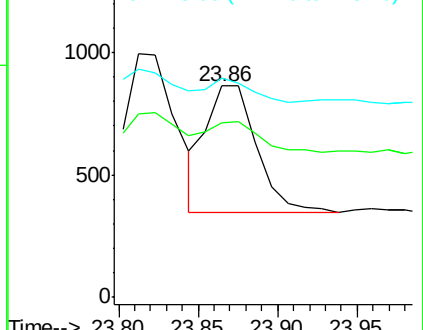
125 103.6 12.3 18.5#



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: 24.49 min Scan# 1380

Delta R.T. -0.01 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

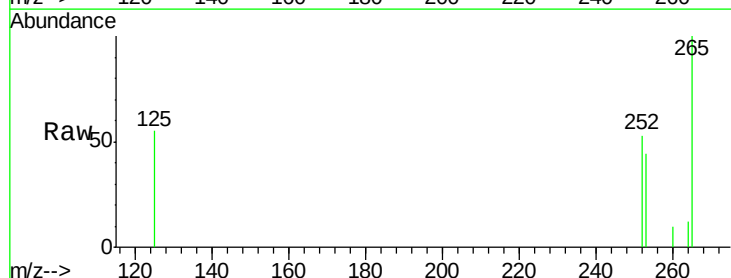
Tgt Ion:252 Resp: 989

Ion Ratio Lower Upper

252 100

253 83.7 18.4 27.6#

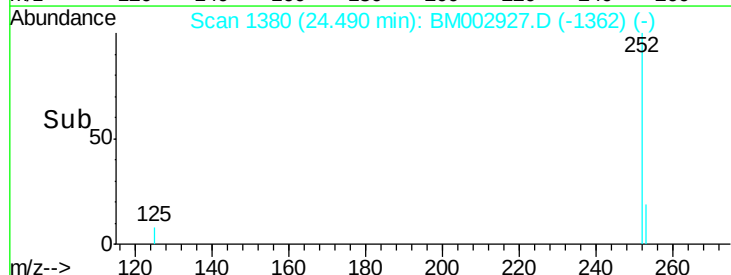
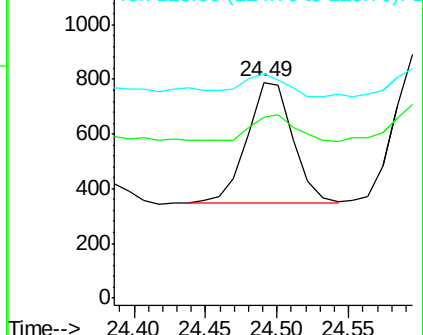
125 104.1 13.3 19.9#

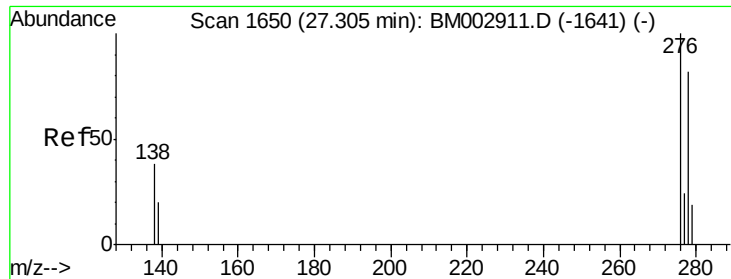


Abundance Ion 252.00 (251.70 to 252.70): E

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# 1651

Delta R.T. 0.00 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

Instrument :

BNA_M

ClientSampleId :

RAV-GT-201

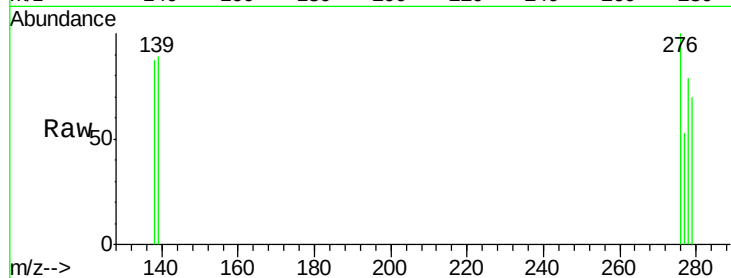
Tot Ion:278 Resp: 676

Ion Ratio Lower Upper

278 100

139 112.2 19.8 29.6#

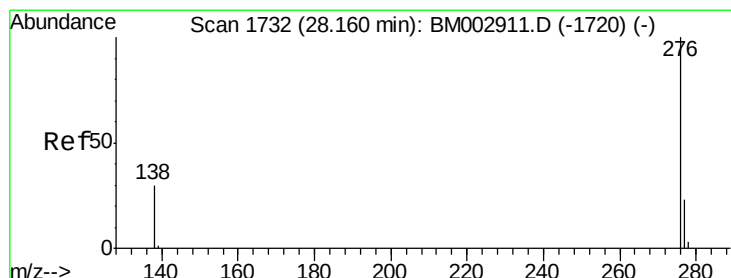
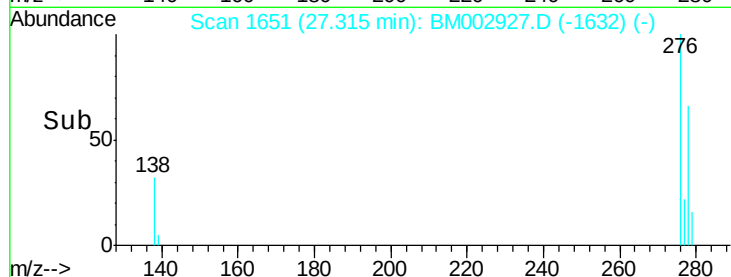
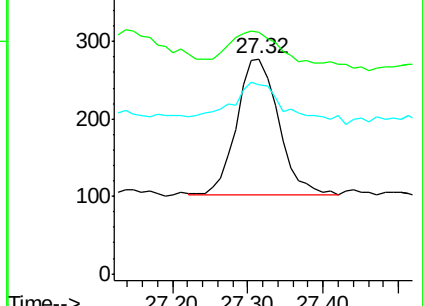
279 88.1 19.1 28.7#



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(g,h,i)perylene

Concen: 0.01 ng

RT: 28.17 min Scan# 1733

Delta R.T. 0.01 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

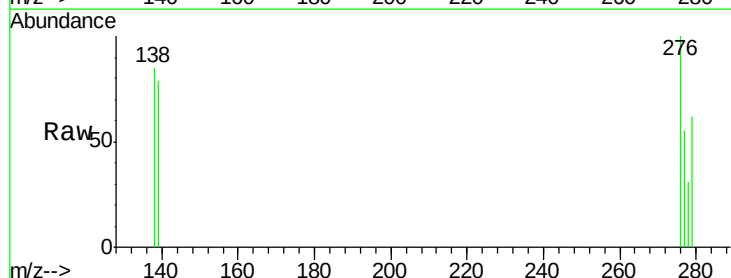
Tgt Ion:276 Resp: 906

Ion Ratio Lower Upper

276 100

277 55.2 19.4 29.0#

138 84.5 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

