

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101615\
 Data File : BM002936.D
 Acq On : 16 Oct 2015 16:05
 Operator : UM/IZ
 Sample : G4037-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-105

Quant Time: Oct 16 23:02:06 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 22:59:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	102952	5.00	ng	0.00
7) Naphthalene-d8	11.49	136	440124	5.00	ng	0.00
13) Acenaphthene-d10	15.23	164	230657	5.00	ng	0.00
19) Phenanthrene-d10	17.95	188	557516	5.00	ng	0.00
26) Chrysene-d12	22.05	240	395420	5.00	ng	0.02
35) Perylene-d12	24.61	264	352328	5.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	6.12	112	59351	3.08	ng	-0.03
5) Phenol-d6	7.79	99	48889	1.99	ng	0.00
8) Nitrobenzene-d5	9.86	82	88974	4.22	ng	0.00
14) 2,4,6-Tribromophenol	16.71	330	79027	8.74	ng	0.00
15) 2-Fluorobiphenyl	13.87	172	306077	4.14	ng	0.00
29) Terphenyl-d14	20.48	244	297225	5.02	ng	0.00

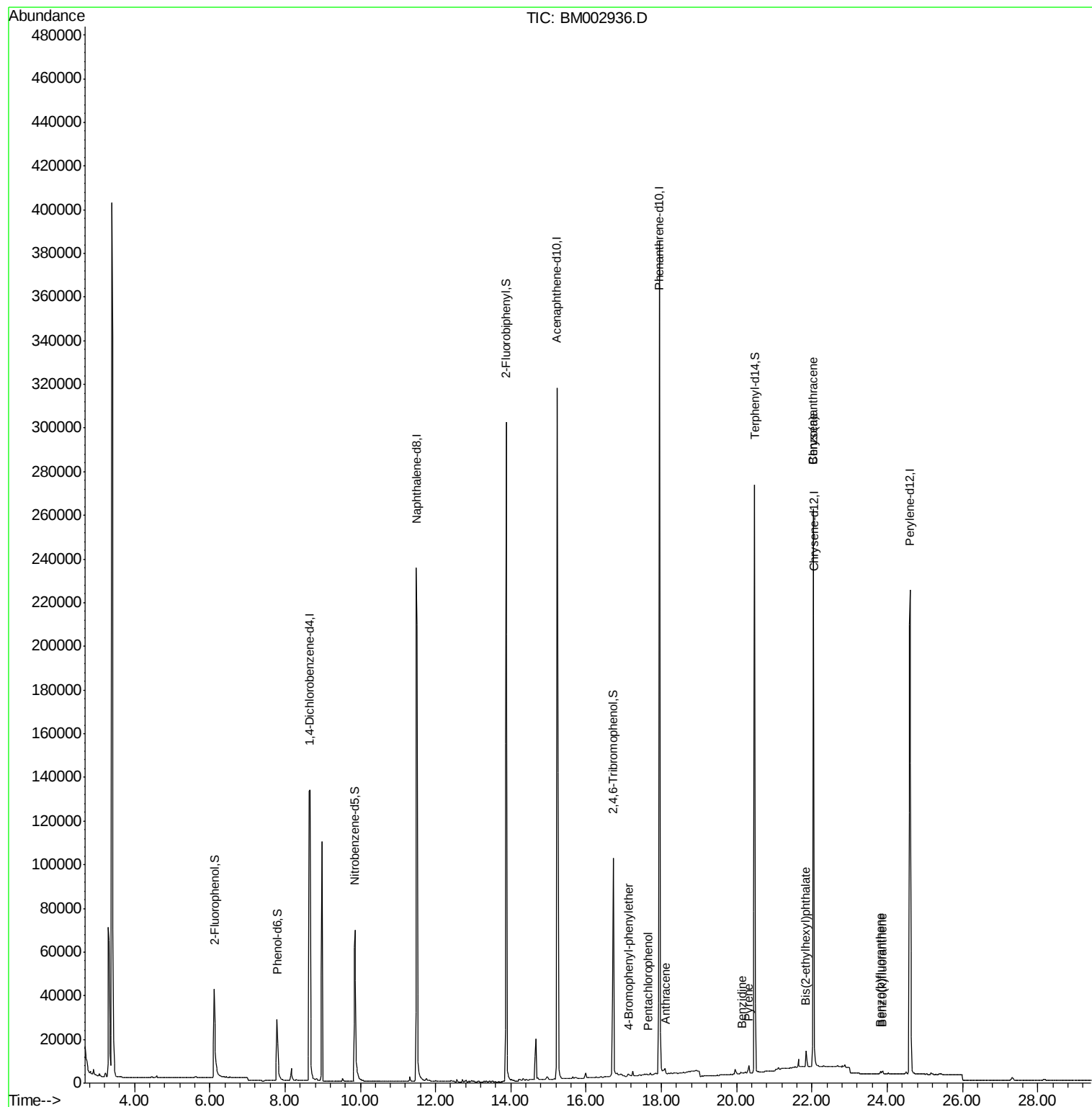
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) 4-Bromophenyl-phenylether	17.13	248	716	0.03	ng	# 26
21) Hexachlorobenzene	17.28	284	57	Below Cal		# 49
22) Pentachlorophenol	17.64	266	149	0.29	ng	# 76
24) Anthracene	18.10	178	4214	0.03	ng	# 91
27) Benzidine	20.13	184	329	0.16	ng	# 1
28) Pyrene	20.32	202	3338	0.03	ng	# 91
30) Benzo(a)anthracene	22.03	228	6217	0.05	ng	# 66
32) Chrysene	22.03	228	6040	0.06	ng	# 70
33) Bis(2-ethylhexyl)phthalate	21.85	149	9906	0.41	ng	# 91
36) Benzo(b)fluoranthene	23.83	252	2062	0.02	ng	# 1
37) Benzo(k)fluoranthene	23.87	252	2070	0.02	ng	# 1

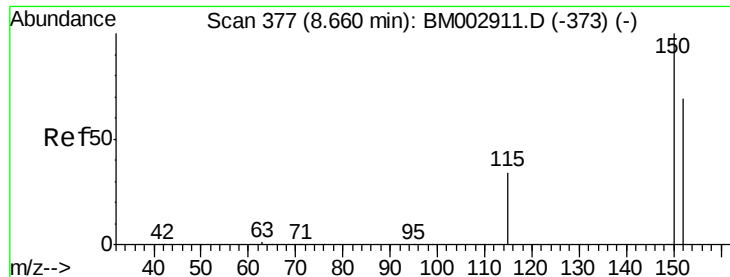
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 16 23:02:06 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 22:59:32 2015
Response via : Initial Calibration



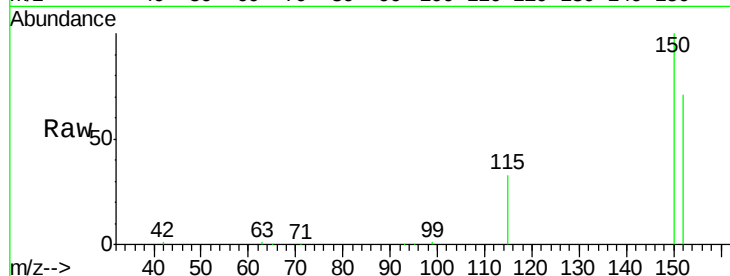


#1

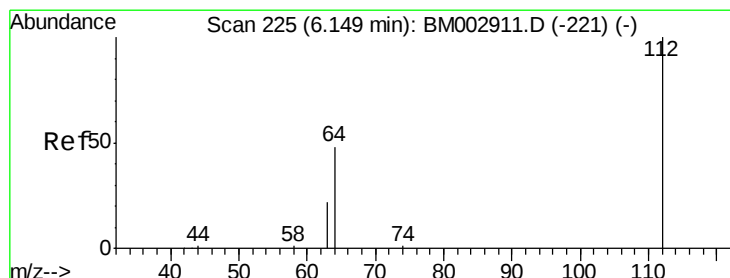
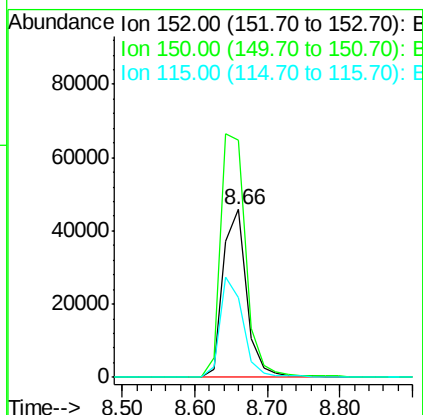
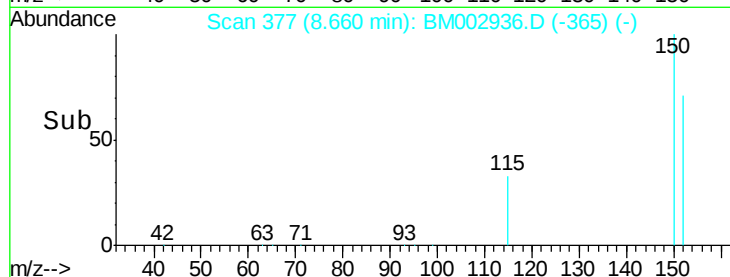
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.66 min Scan# 377
Delta R.T. -0.00 min
Lab File: BM002936.D
Acq: 16 Oct 2015 16:05

Instrument :
BNA_M
ClientSampleId :
RAV-GT-105

Tot Ion:152 Resp: 102952
Ion Ratio Lower Upper
152 100
150 141.2 113.0 169.6
115 47.3 37.9 56.9



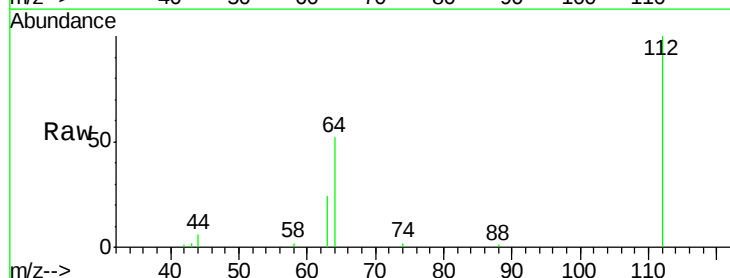
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



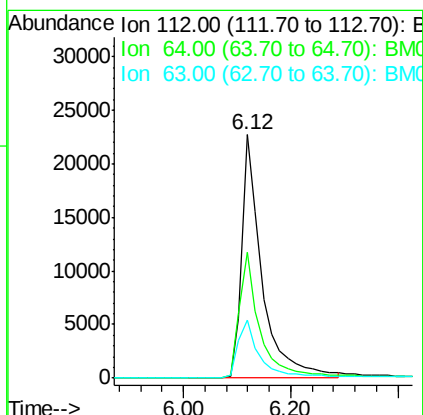
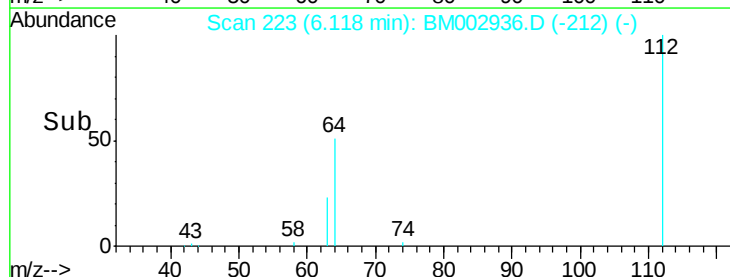
#4

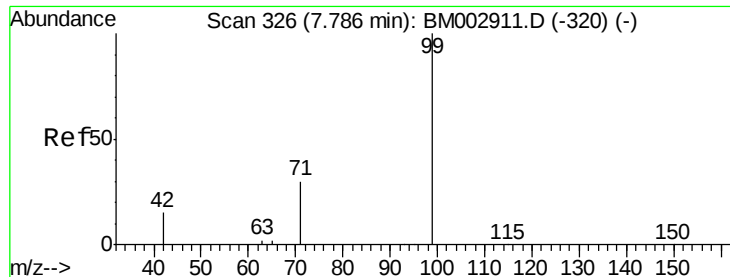
2-Fluorophenol
Concen: 3.08 ng
RT: 6.12 min Scan# 223
Delta R.T. -0.03 min
Lab File: BM002936.D
Acq: 16 Oct 2015 16:05

Tgt Ion:112 Resp: 59351
Ion Ratio Lower Upper
112 100
64 51.4 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: 1.99 ng

RT: 7.79 min Scan# 326

Delta R.T. -0.00 min

Lab File: BM002936.D

Acq: 16 Oct 2015 16:05

Instrument :

BNA_M

ClientSampleId :

RAV-GT-105

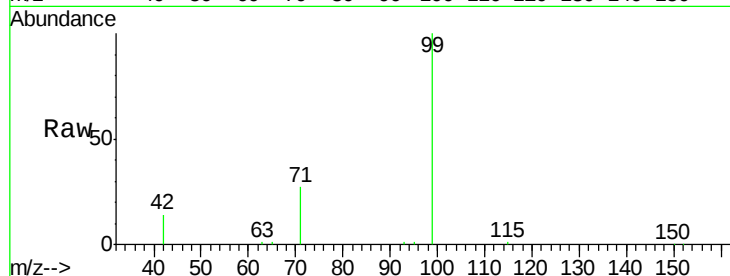
Tot Ion: 99 Resp: 48889

Ion Ratio Lower Upper

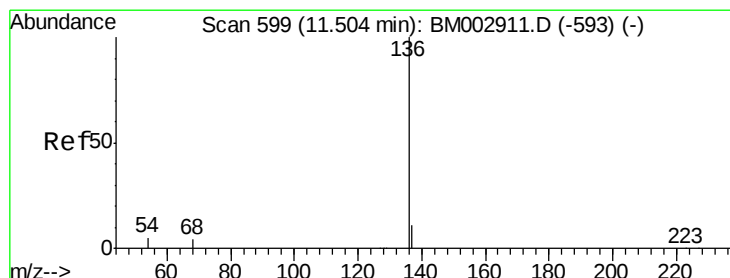
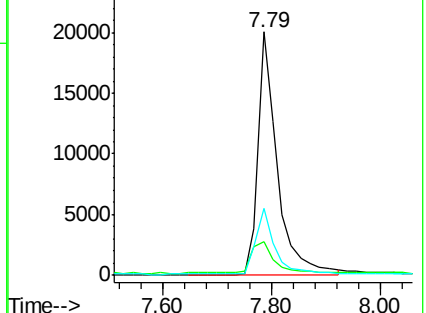
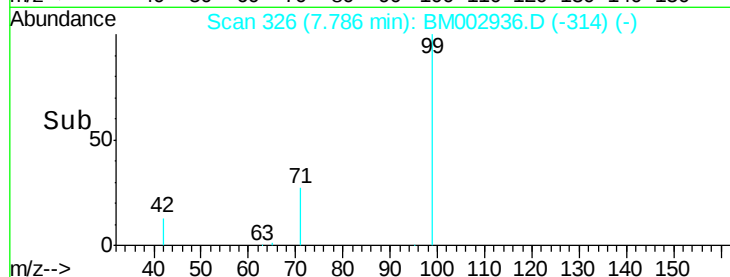
99 100

42 15.4 12.4 18.6

71 26.8 21.4 32.0



Abundance Ion 99.00 (98.70 to 99.70): BM002936.D (-314) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 11.49 min Scan# 599

Delta R.T. -0.00 min

Lab File: BM002936.D

Acq: 16 Oct 2015 16:05

Tgt Ion: 136 Resp: 440124

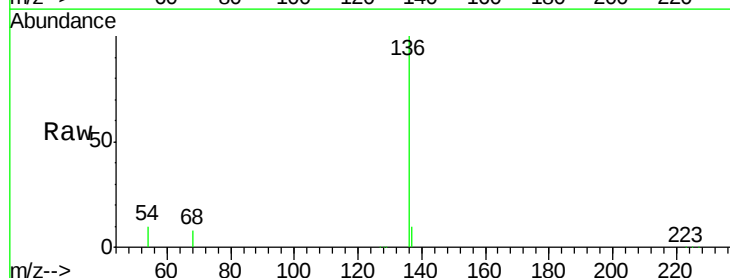
Ion Ratio Lower Upper

136 100

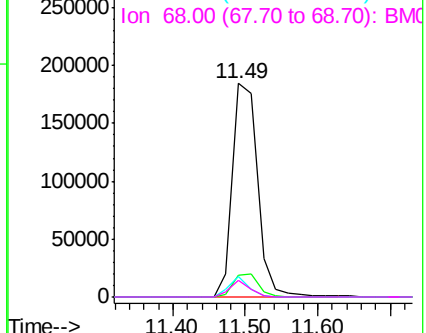
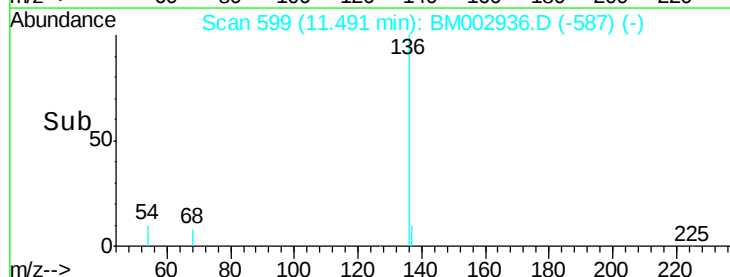
137 10.0 9.1 13.7

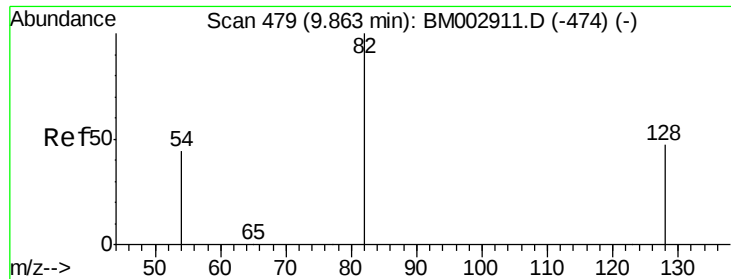
54 9.6 3.5 5.3#

68 7.9 3.3 4.9#



Abundance Ion 136.00 (135.70 to 136.70): BM002936.D (-587) (-)





#8

Nitrobenzene-d5

Concen: 4.22 ng

RT: 9.86 min Scan# 479

Delta R.T. -0.00 min

Lab File: BM002936.D

Acq: 16 Oct 2015 16:05

Instrument :

BNA_M

ClientSampleId :

RAV-GT-105

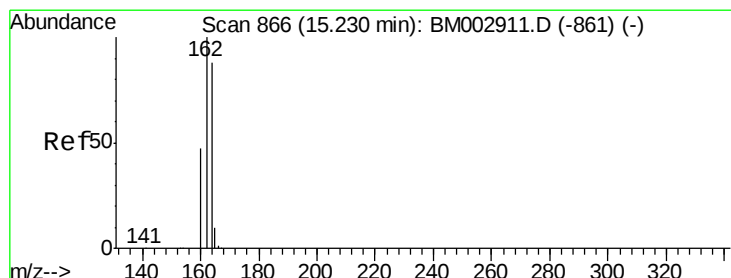
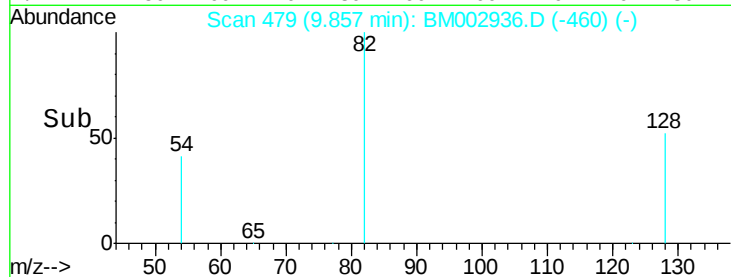
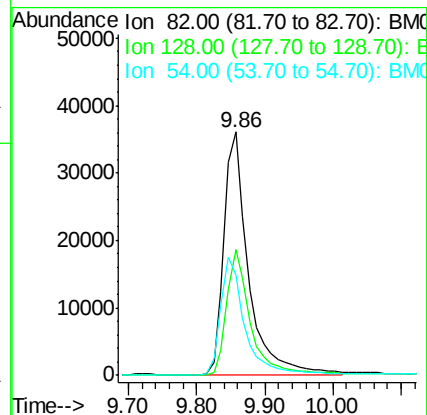
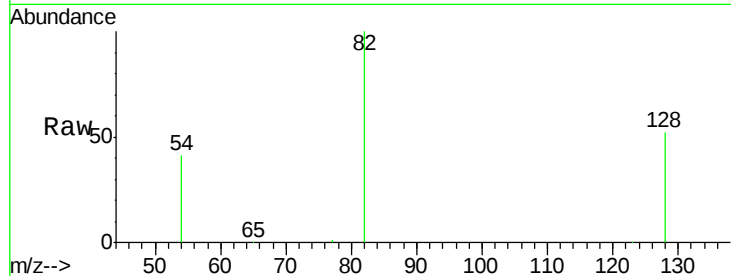
Tot Ion: 82 Resp: 88974

Ion Ratio Lower Upper

82 100

128 51.9 34.1 51.1#

54 41.2 42.6 63.8#



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 15.23 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM002936.D

Acq: 16 Oct 2015 16:05

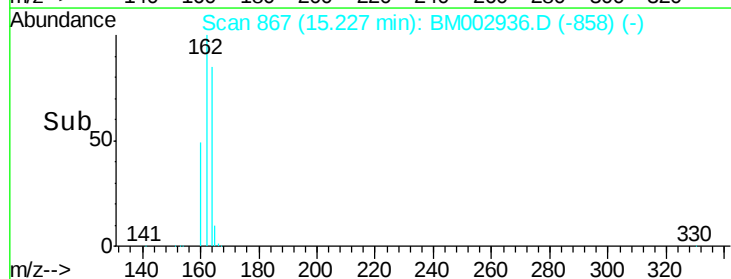
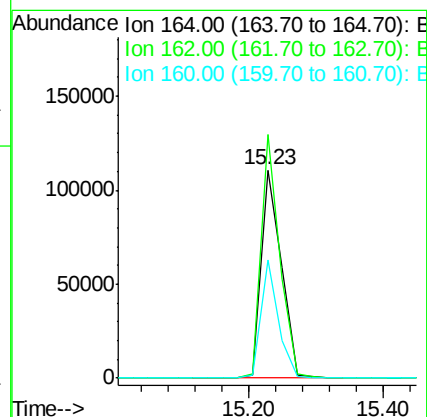
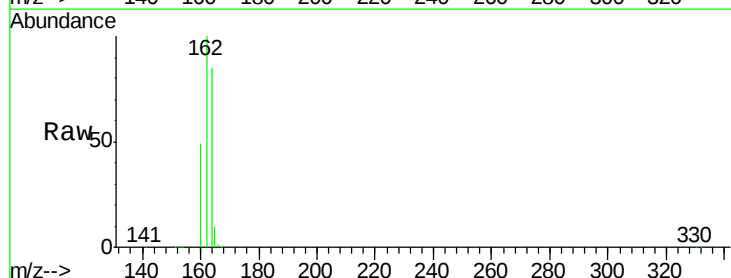
Tgt Ion: 164 Resp: 230657

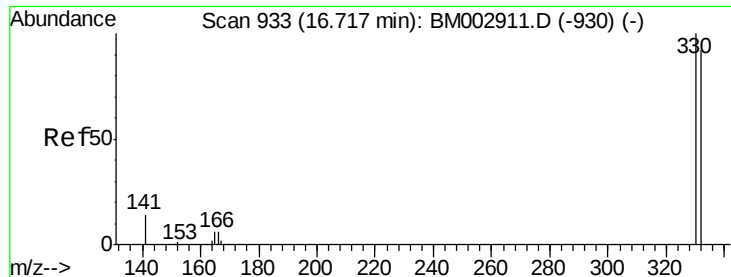
Ion Ratio Lower Upper

164 100

162 117.1 79.6 119.4

160 56.9 33.1 49.7#

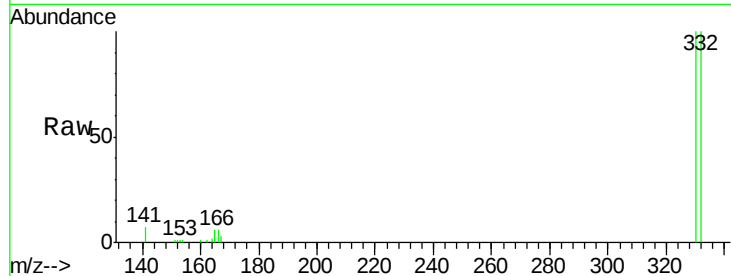




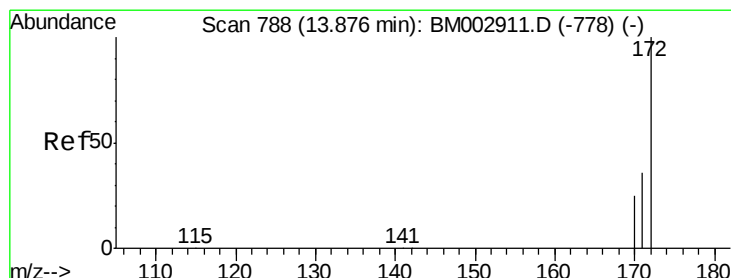
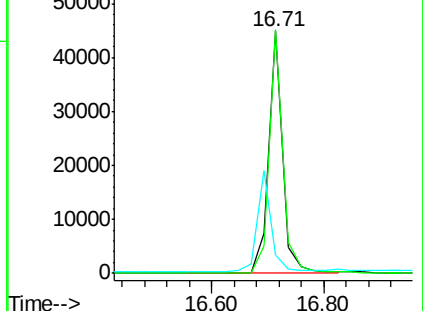
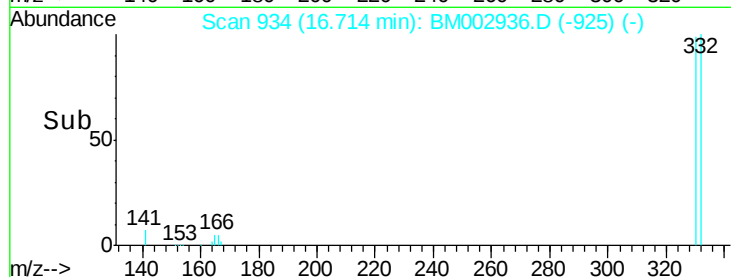
#14
 2,4,6-Tribromophenol
 Concen: 8.74 ng
 RT: 16.71 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: BM002936.D
 Acq: 16 Oct 2015 16:05

Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-105

Tot Ion:330 Resp: 79027
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.6 115.0
 141 0.0 0.0 0.0

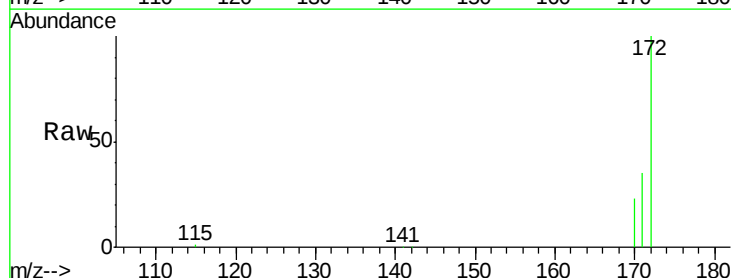


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

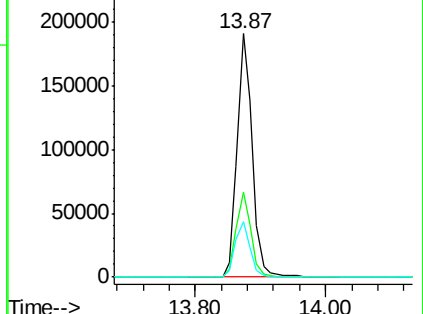
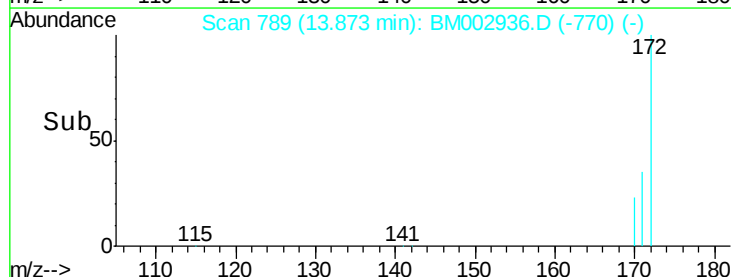


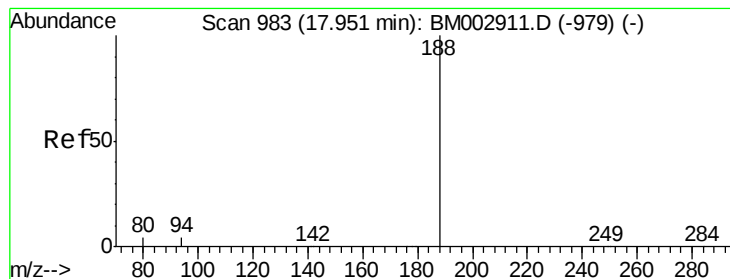
#15
 2-Fluorobiphenyl
 Concen: 4.14 ng
 RT: 13.87 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: BM002936.D
 Acq: 16 Oct 2015 16:05

Tgt Ion:172 Resp: 306077
 Ion Ratio Lower Upper
 172 100
 171 35.0 26.1 39.1
 170 22.7 15.7 23.5



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.95 min Scan# 984

Delta R.T. -0.00 min

Lab File: BM002936.D

Acq: 16 Oct 2015 16:05

Instrument :

BNA_M

ClientSampleId :

RAV-GT-105

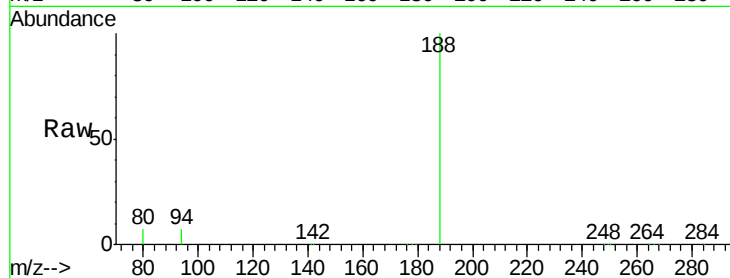
Tot Ion:188 Resp: 557516

Ion Ratio Lower Upper

188 100

94 7.3 15.2 22.8#

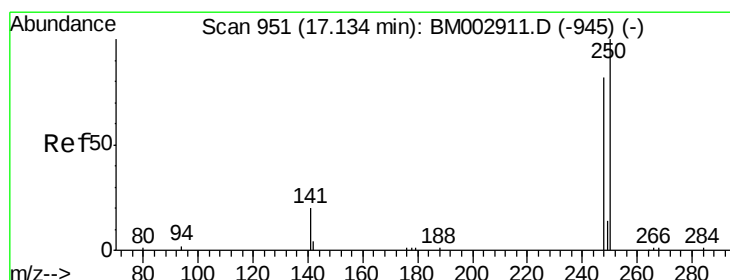
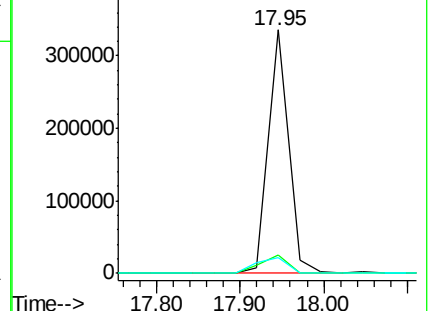
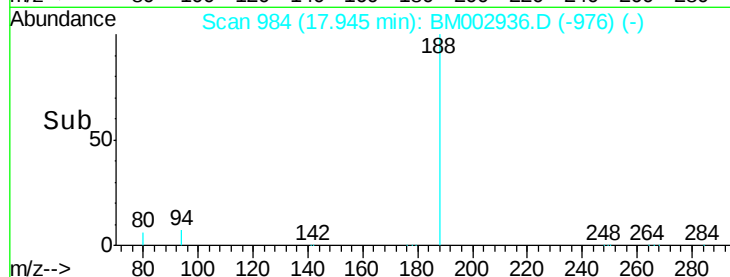
80 6.5 15.9 23.9#



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: 0.03 ng

RT: 17.13 min Scan# 952

Delta R.T. -0.00 min

Lab File: BM002936.D

Acq: 16 Oct 2015 16:05

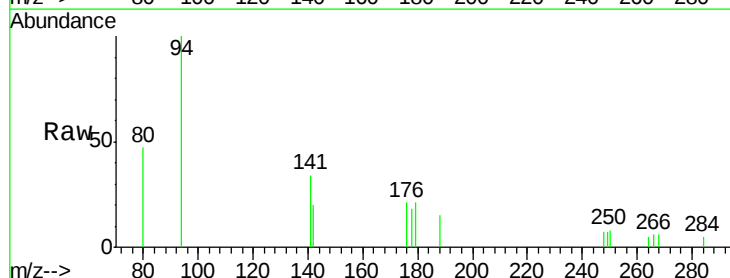
Tgt Ion:248 Resp: 716

Ion Ratio Lower Upper

248 100

250 152.0 71.4 107.2#

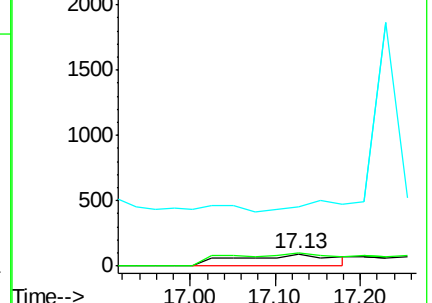
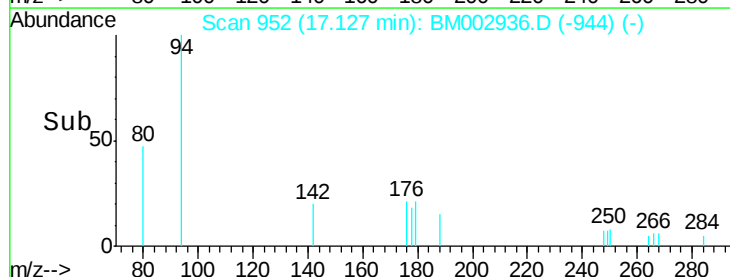
141 0.0 54.6 82.0#

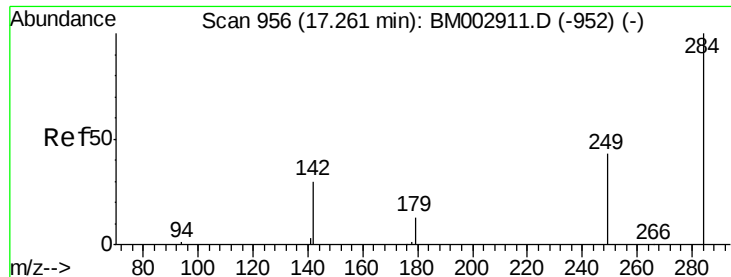


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

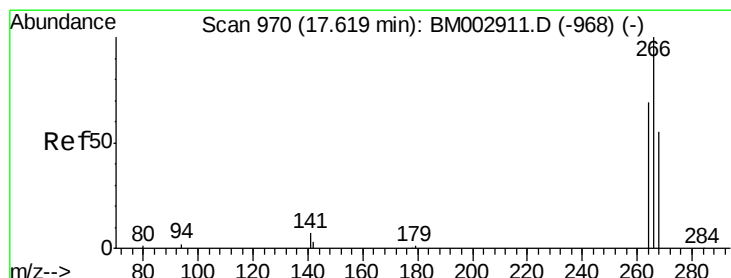
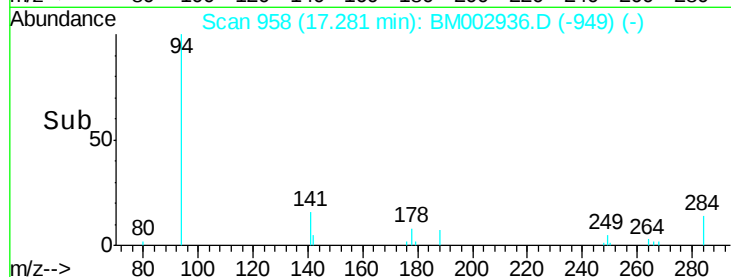
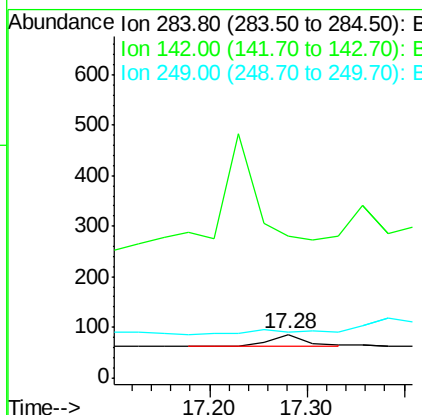
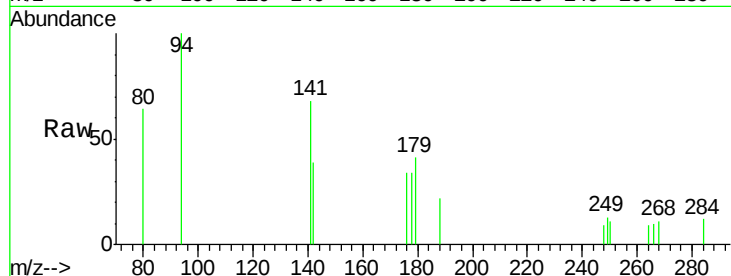




#21
Hexachlorobenzene
Concen: Below Cal
RT: 17.28 min Scan# 958
Delta R.T. 0.03 min
Lab File: BM002936.D
Acq: 16 Oct 2015 16:05

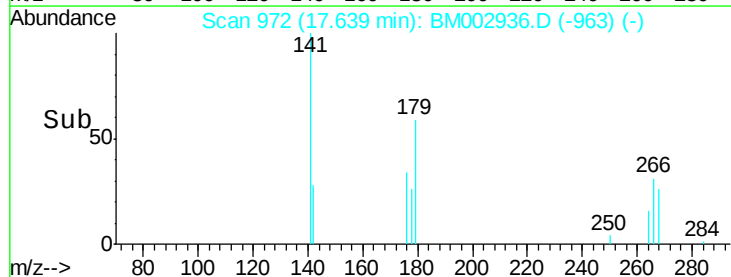
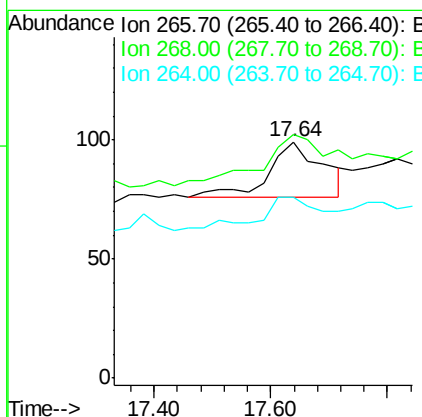
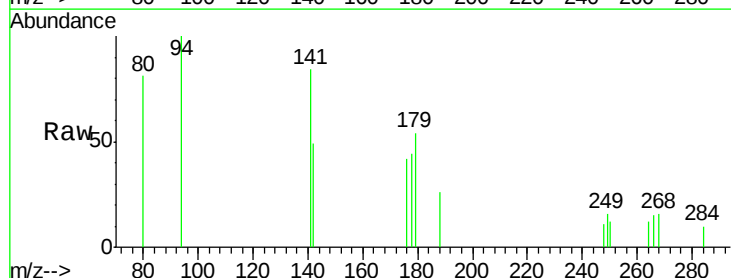
Instrument :
BNA_M
ClientSampleId :
RAV-GT-105

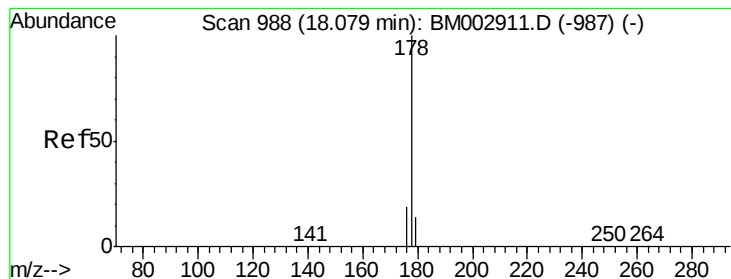
Tot Ion:284 Resp: 57
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 20.7 31.1#



#22
Pentachlorophenol
Concen: 0.29 ng
RT: 17.64 min Scan# 972
Delta R.T. 0.03 min
Lab File: BM002936.D
Acq: 16 Oct 2015 16:05

Tgt Ion:266 Resp: 149
Ion Ratio Lower Upper
266 100
268 103.0 58.3 87.5#
264 76.8 54.2 81.2





#24

Anthracene

Concen: 0.03 ng

RT: 18.10 min Scan# 990

Delta R.T. 0.03 min

Lab File: BM002936.D

Acq: 16 Oct 2015 16:05

Instrument :

BNA_M

ClientSampleId :

RAV-GT-105

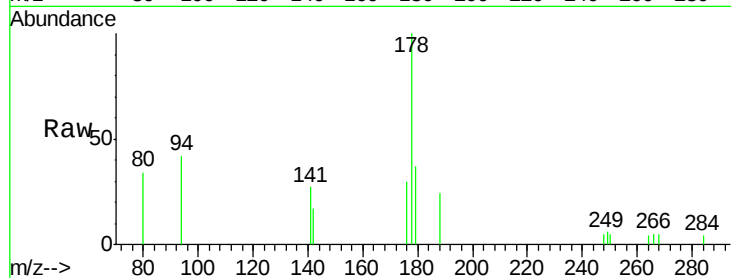
Tot Ion:178 Resp: 4214

Ion Ratio Lower Upper

178 100

176 19.9 13.9 20.9

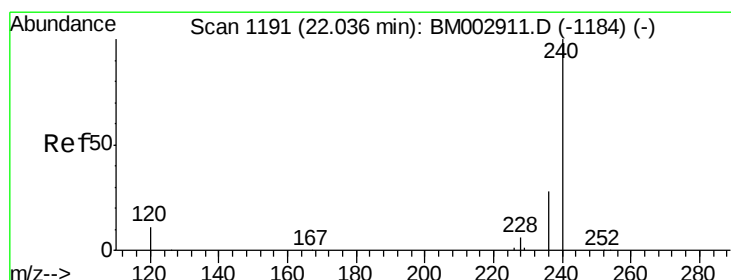
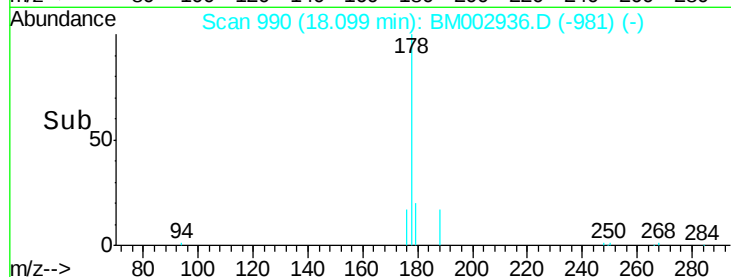
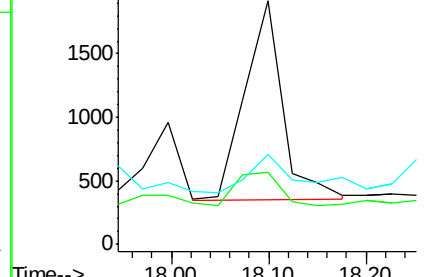
179 20.9 12.6 18.8#



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 22.05 min Scan# 1193

Delta R.T. 0.02 min

Lab File: BM002936.D

Acq: 16 Oct 2015 16:05

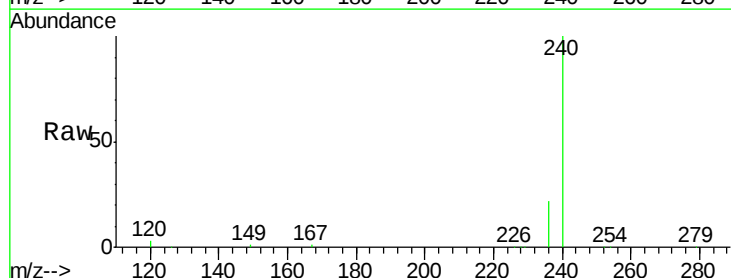
Tgt Ion:240 Resp: 395420

Ion Ratio Lower Upper

240 100

120 2.6 3.3 4.9#

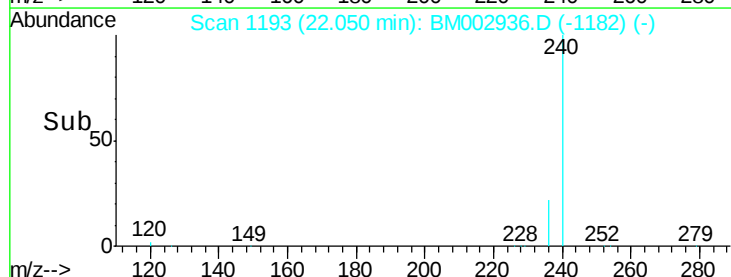
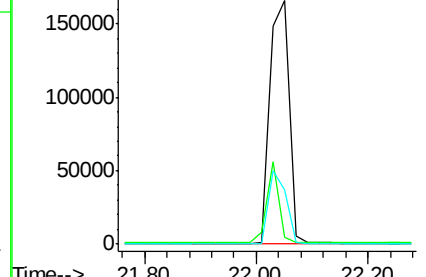
236 22.4 19.5 29.3

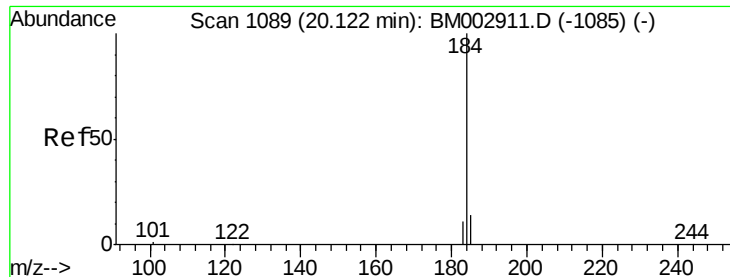


Abundance Ion 240.00 (239.70 to 240.70): E

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. 0.02 min

Lab File: BM002936.D

Acq: 16 Oct 2015 16:05

Instrument :

BNA_M

ClientSampleId :

RAV-GT-105

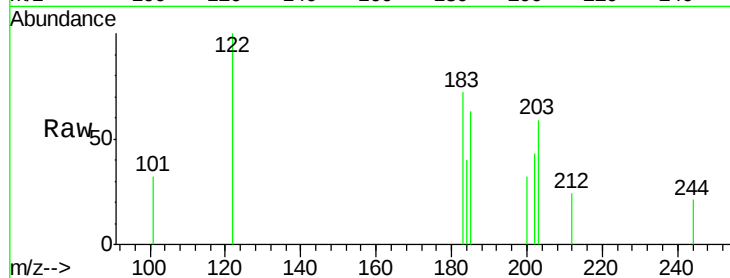
Tot Ion:184 Resp: 329

Ion Ratio Lower Upper

184 100

185 158.1 12.0 18.0#

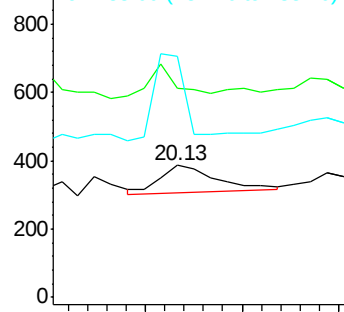
183 182.4 8.9 13.3#



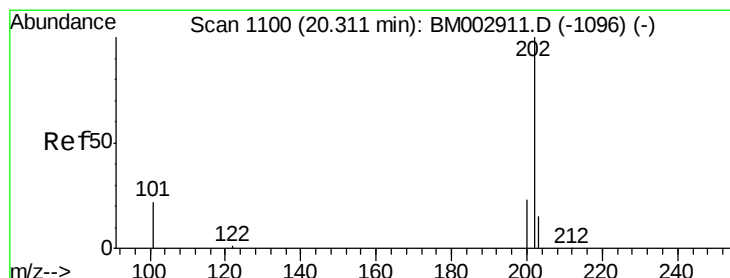
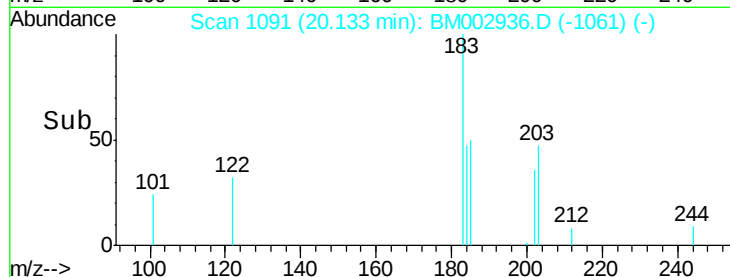
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->



#28

Pyrene

Concen: 0.03 ng

RT: 20.32 min Scan# 1102

Delta R.T. -0.00 min

Lab File: BM002936.D

Acq: 16 Oct 2015 16:05

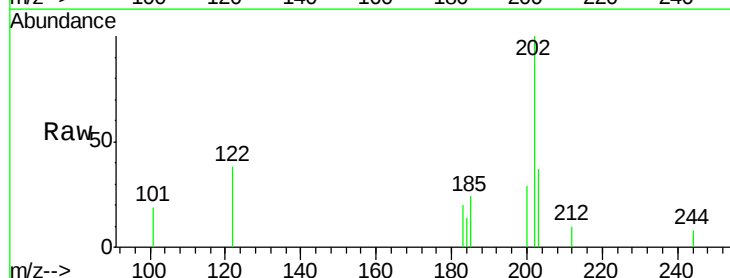
Tgt Ion:202 Resp: 3338

Ion Ratio Lower Upper

202 100

200 24.7 16.2 24.4#

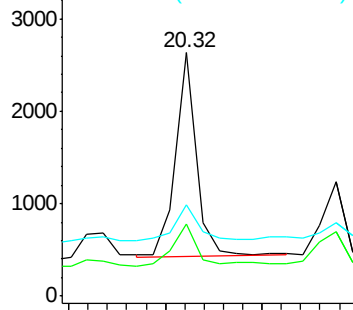
203 21.3 13.8 20.8#



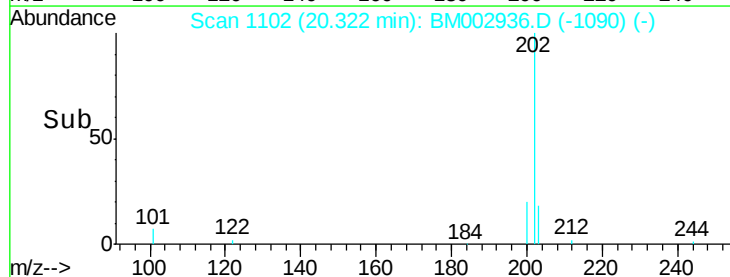
Abundance Ion 202.00 (201.70 to 202.70): E

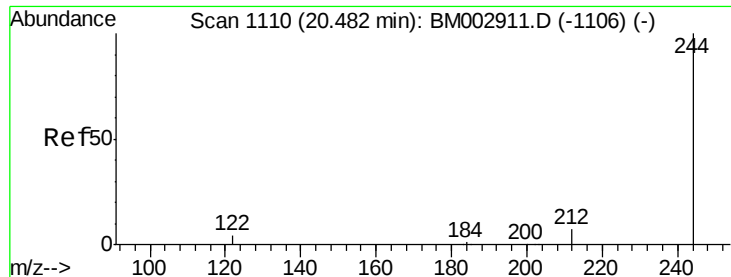
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#29

Terphenyl-d14

Concen: 5.02 ng

RT: 20.48 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BM002936.D

Acq: 16 Oct 2015 16:05

Instrument :

BNA_M

ClientSampleId :

RAV-GT-105

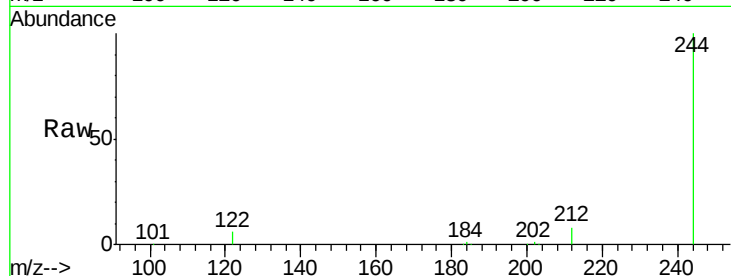
Tot Ion:244 Resp: 297225

Ion Ratio Lower Upper

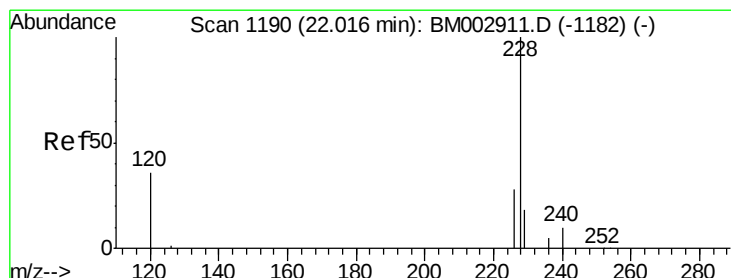
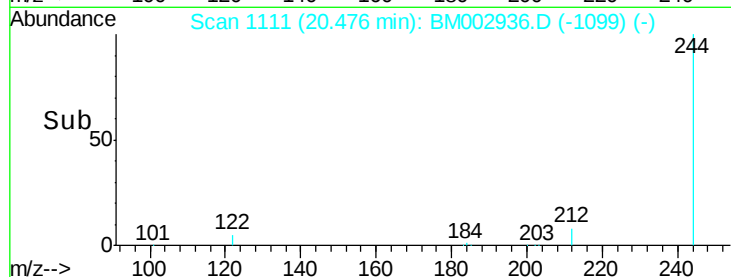
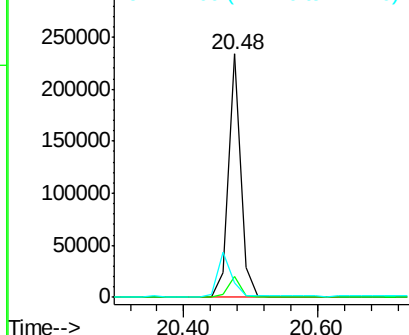
244 100

212 8.4 5.6 8.4

122 5.7 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: 0.05 ng

RT: 22.03 min Scan# 1192

Delta R.T. 0.02 min

Lab File: BM002936.D

Acq: 16 Oct 2015 16:05

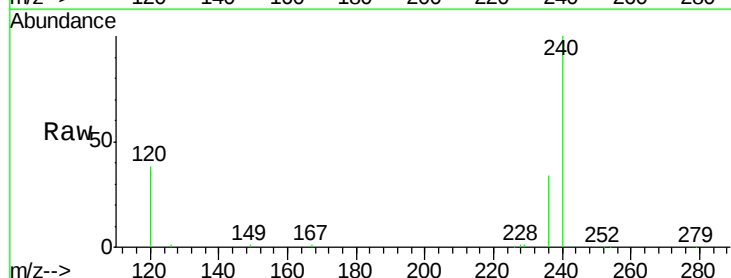
Tgt Ion:228 Resp: 6217

Ion Ratio Lower Upper

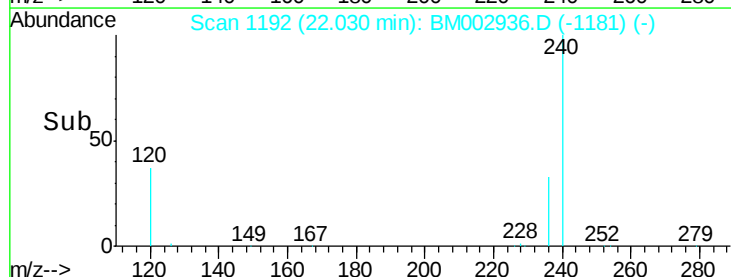
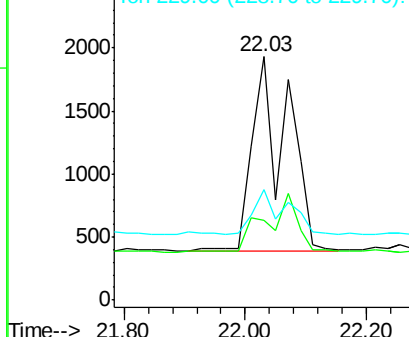
228 100

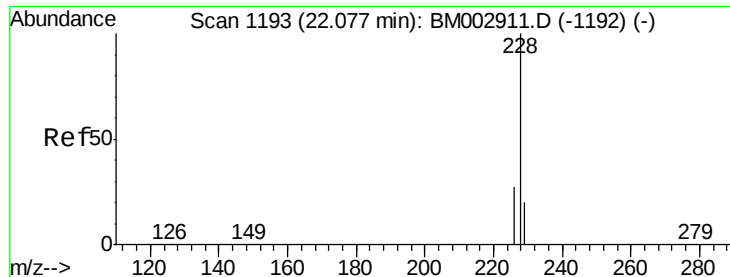
226 32.8 19.0 28.6#

229 45.2 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





#32

Chrysene

Concen: 0.06 ng

RT: 22.03 min Scan# 1192

Delta R.T. -0.04 min

Lab File: BM002936.D

Acq: 16 Oct 2015 16:05

Instrument :

BNA_M

ClientSampleId :

RAV-GT-105

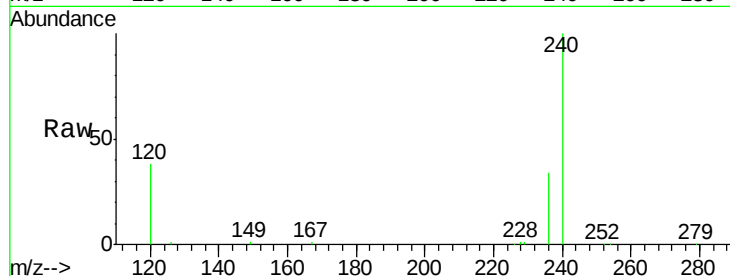
Tot Ion:228 Resp: 6040

Ion Ratio Lower Upper

228 100

226 32.8 20.6 30.8#

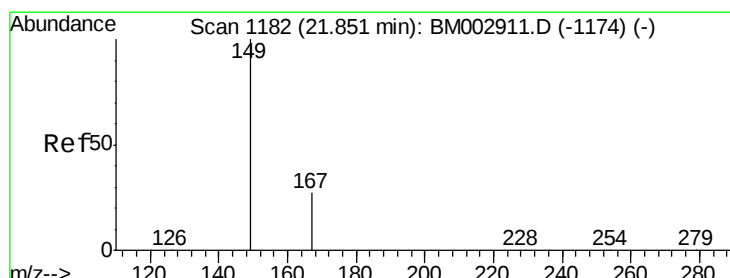
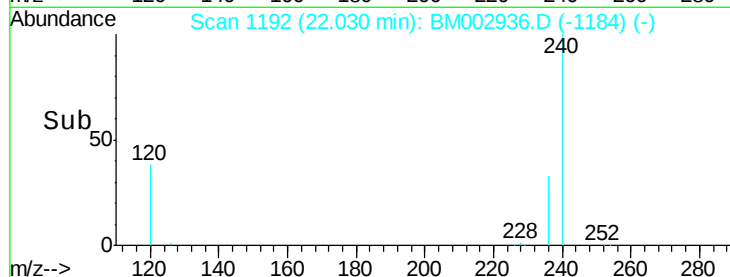
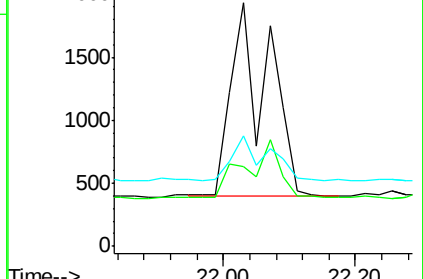
229 45.2 17.4 26.2#



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: 0.41 ng

RT: 21.85 min Scan# 1183

Delta R.T. -0.00 min

Lab File: BM002936.D

Acq: 16 Oct 2015 16:05

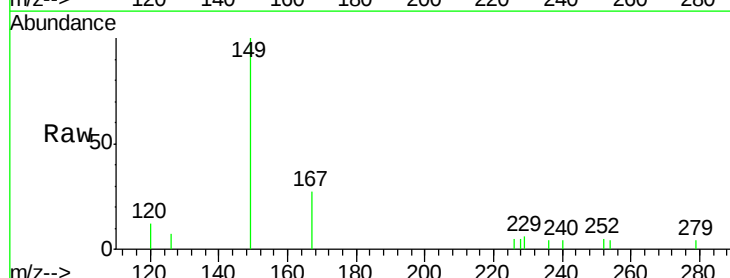
Tgt Ion:149 Resp: 9906

Ion Ratio Lower Upper

149 100

167 26.0 17.2 25.8#

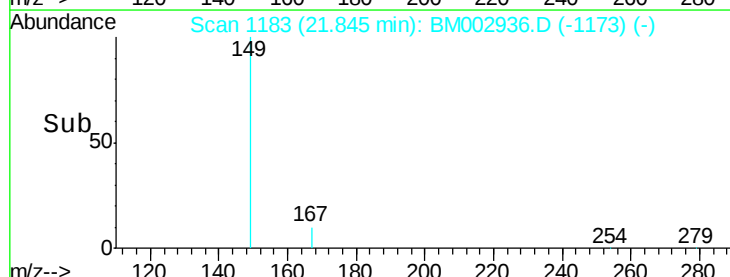
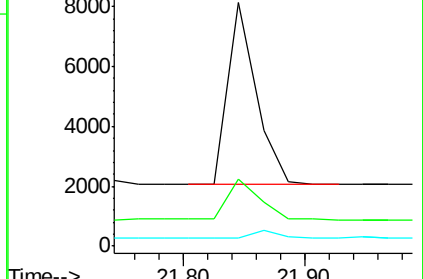
279 0.0 2.2 3.4#

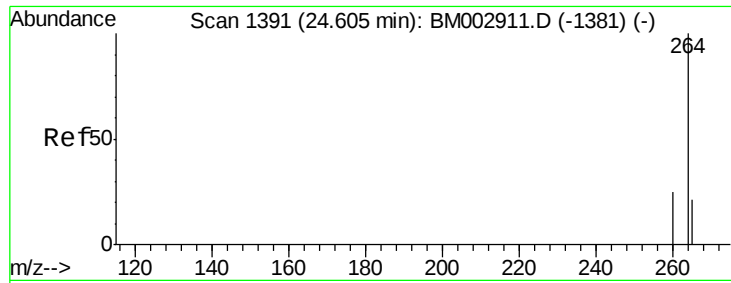


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

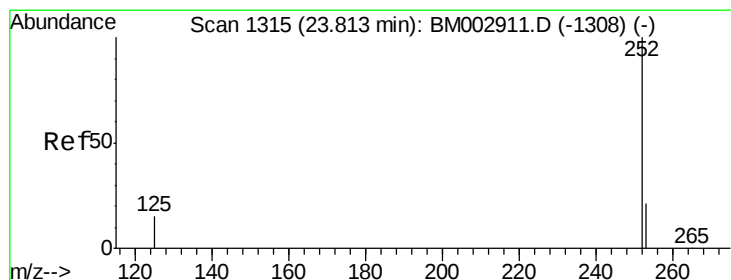
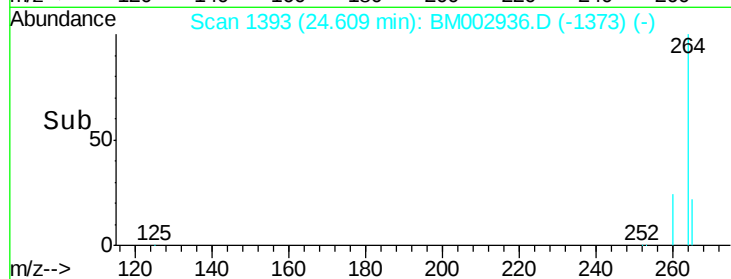
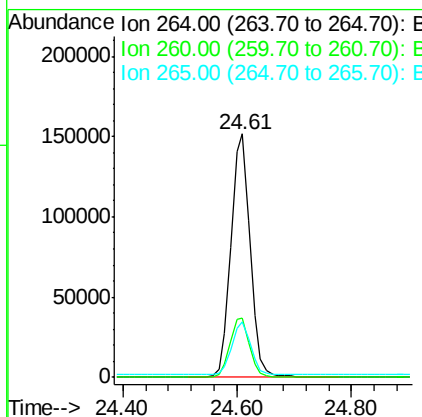
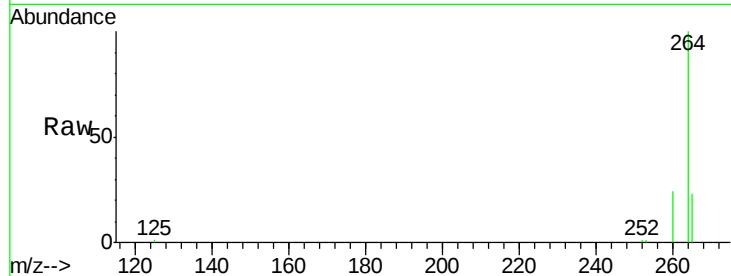




#35
 Pervlene-d12
 Concen: 5.00 ng
 RT: 24.61 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: BM002936.D
 Acq: 16 Oct 2015 16:05

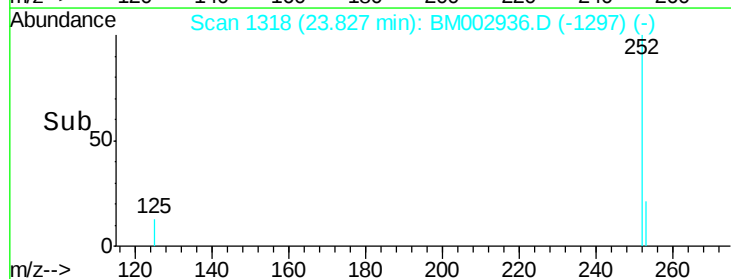
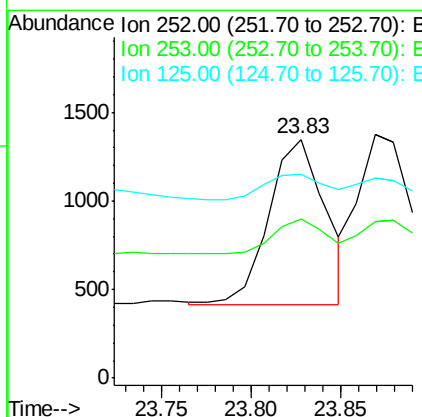
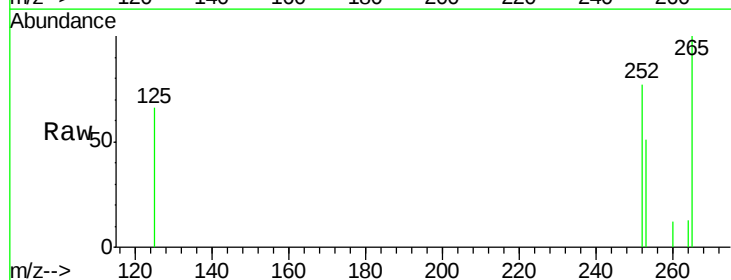
Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-105

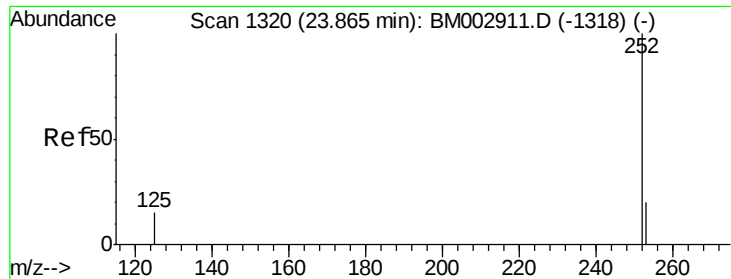
Tot Ion:264 Resp: 352328
 Ion Ratio Lower Upper
 264 100
 260 24.3 20.1 30.1
 265 22.7 17.6 26.4



#36
 Benzo(b)fluoranthene
 Concen: 0.02 ng
 RT: 23.83 min Scan# 1318
 Delta R.T. 0.02 min
 Lab File: BM002936.D
 Acq: 16 Oct 2015 16:05

Tgt Ion:252 Resp: 2062
 Ion Ratio Lower Upper
 252 100
 253 66.5 17.5 26.3#
 125 85.2 12.4 18.6#





#37

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 23.87 min Scan# 1322

Delta R.T. 0.01 min

Lab File: BM002936.D

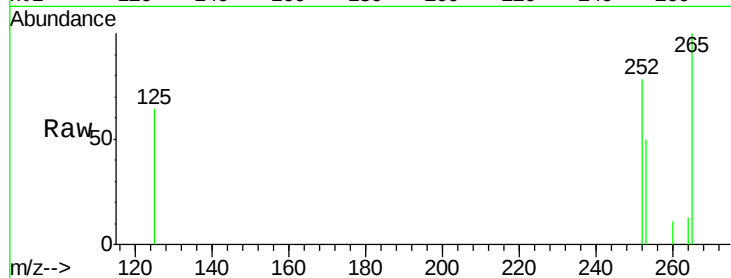
Acq: 16 Oct 2015 16:05

Instrument :

BNA_M

ClientSampleId :

RAV-GT-105



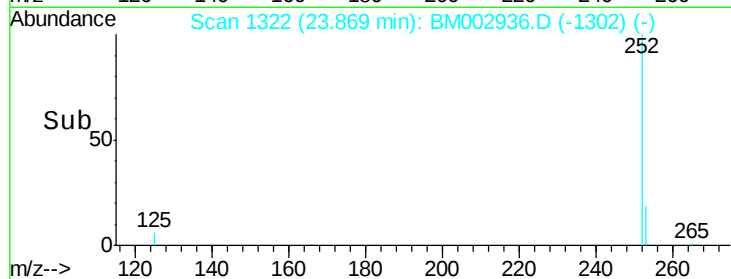
Tot Ion: 252 Resp: 2070

Ion Ratio Lower Upper

252 100

253 64.1 17.9 26.9#

125 82.1 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

