

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052015\
 Data File : BM001359.D
 Acq On : 21 May 2015 13:57
 Operator : TP/IZ
 Sample : G2313-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 21 15:23:58 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM052015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 21 11:08:14 2015
 Response via : Initial Calibration

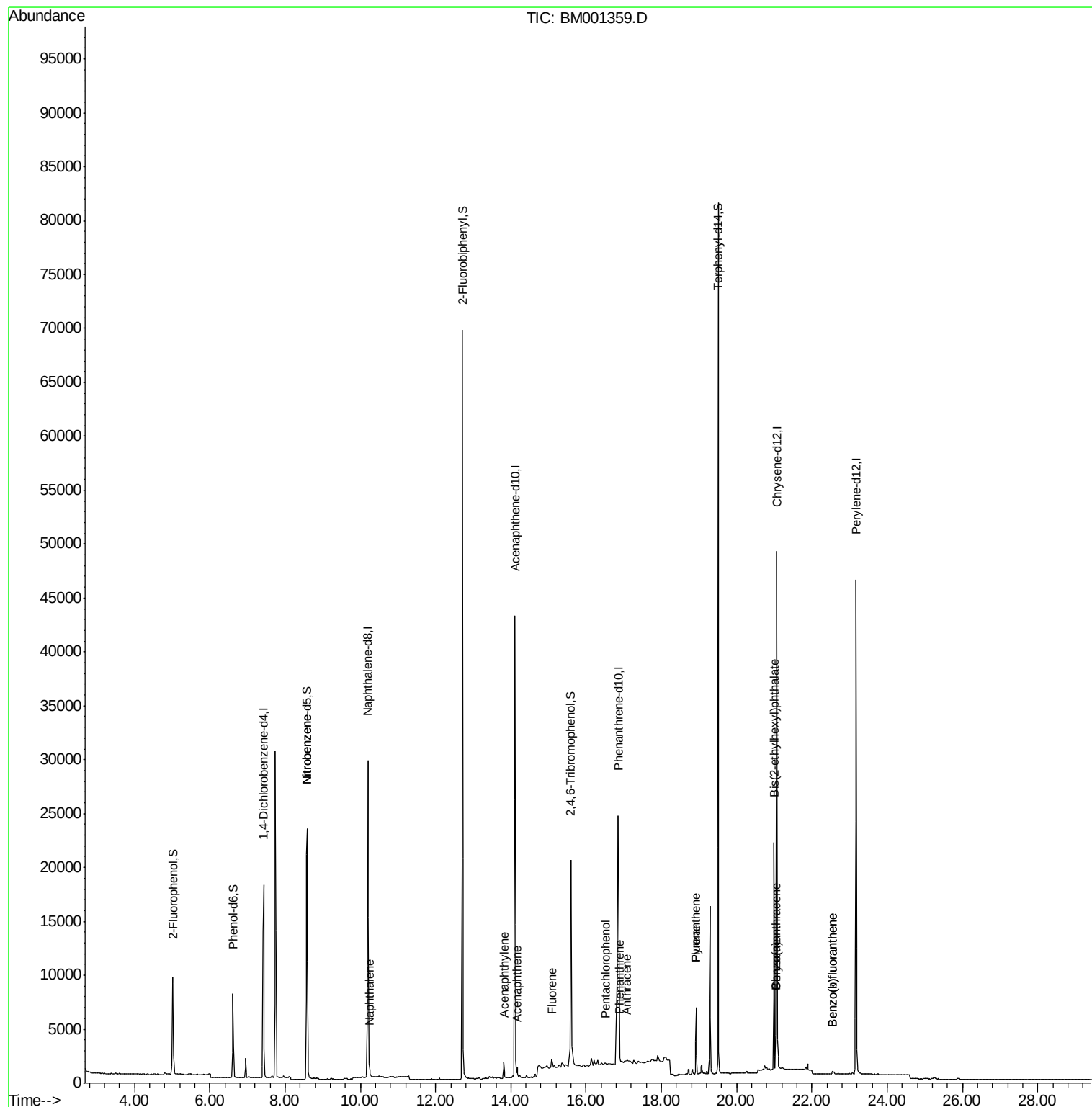
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	10185	5.00	ng	0.00
6) Naphthalene-d8	10.20	136	41674	5.00	ng	0.00
12) Acenaphthene-d10	14.11	164	25288	5.00	ng	0.00
18) Phenanthrene-d10	16.85	188	49940	5.00	ng	0.00
25) Chrysene-d12	21.07	240	57459	5.00	ng	0.00
32) Perylene-d12	23.17	264	54091	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.02	112	9298	4.70	ng	0.00
5) Phenol-d6	6.61	99	7987	3.24	ng	0.00
7) Nitrobenzene-d5	8.59	82	20638	9.18	ng	0.00
13) 2,4,6-Tribromophenol	15.60	330	17978	17.03	ng	0.00
14) 2-Fluorobiphenyl	12.72	172	74131	9.83	ng	0.00
27) Terphenyl-d14	19.50	244	79059	10.46	ng	0.00
Target Compounds						
8) Nitrobenzene	8.59	77	75	0.14	ng	# 29
9) Naphthalene	10.25	128	492	0.06	ng	# 66
15) Acenaphthylene	13.82	152	1666	0.16	ng	95
16) Acenaphthene	14.17	154	465	0.07	ng	97
17) Fluorene	15.09	166	1035	0.19	ng	# 46
21) Pentachlorophenol	16.51	266	373	0.56	ng	# 85
22) Phenanthrene	16.89	178	365	0.02	ng	# 41
23) Anthracene	17.09	178	976	0.14	ng	# 1
24) Fluoranthene	18.92	202	5439	0.36	ng	97
26) Pyrene	18.92	202	5439	0.31	ng	99
28) Benzo(a)anthracene	21.04	228	2656	0.16	ng	# 83
29) Chrysene	21.04	228	2656	0.17	ng	# 81
30) Bis(2-ethylhexyl)phthalate	20.99	149	20905	2.16	ng	100
33) Benzo(b)fluoranthene	22.54	252	544	0.03	ng	# 1
34) Benzo(k)fluoranthene	22.54	252	544	0.04	ng	# 1

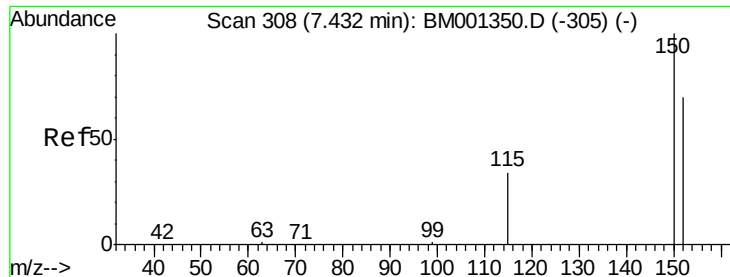
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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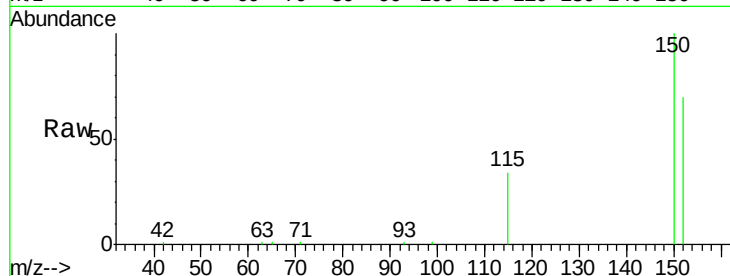


#1

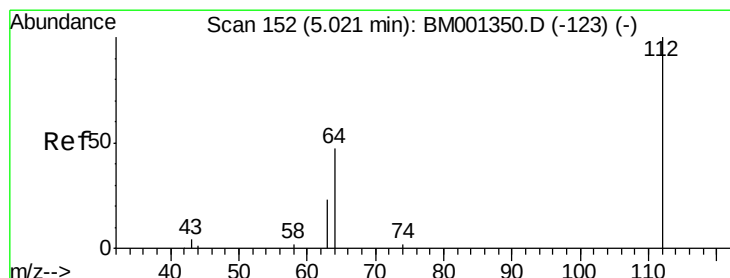
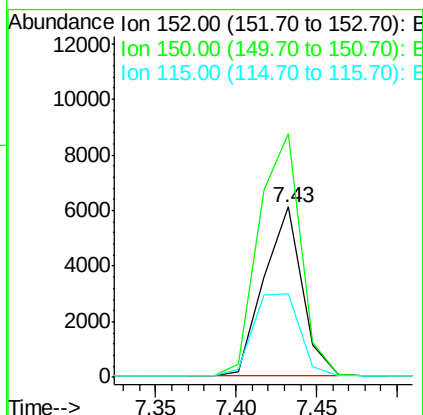
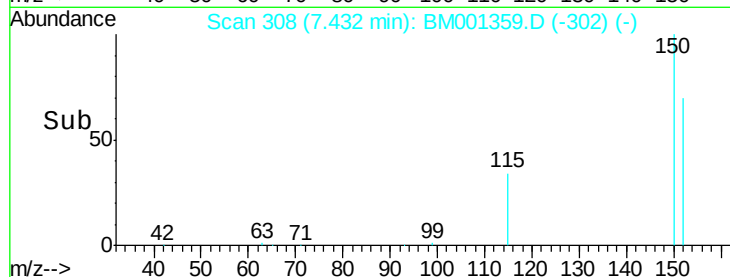
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.43 min Scan# 308
Delta R.T. 0.00 min
Lab File: BM001359.D
Acq: 21 May 2015 13:57

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 10185
Ion Ratio Lower Upper
152 100
150 142.8 114.1 171.1
115 48.7 39.2 58.8



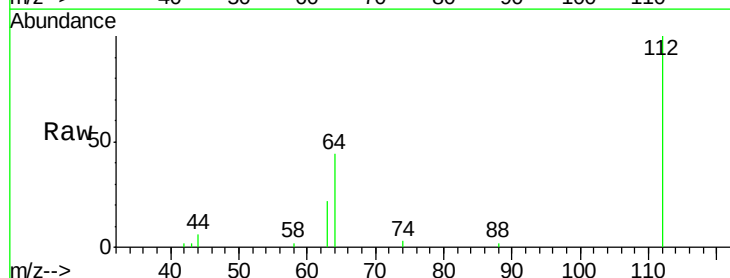
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



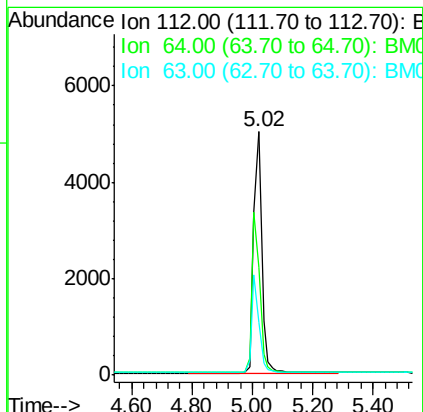
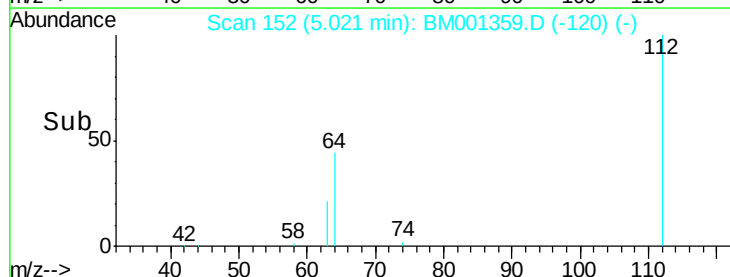
#4

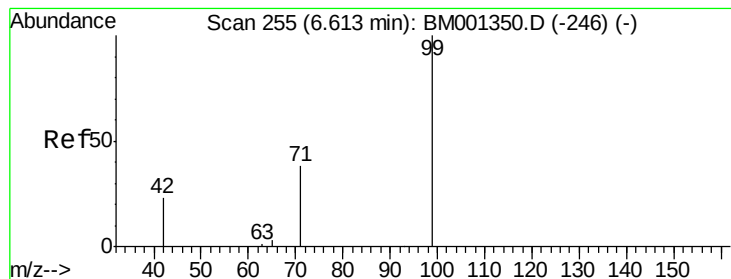
2-Fluorophenol
Concen: 4.70 ng
RT: 5.02 min Scan# 152
Delta R.T. 0.00 min
Lab File: BM001359.D
Acq: 21 May 2015 13:57

Tgt Ion:112 Resp: 9298
Ion Ratio Lower Upper
112 100
64 64.8 52.9 79.3
63 36.5 29.6 44.4



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: 3.24 ng

RT: 6.61 min Scan# 255

Delta R.T. 0.00 min

Lab File: BM001359.D

Acq: 21 May 2015 13:57

Instrument :

BNA_M

ClientSampleId :

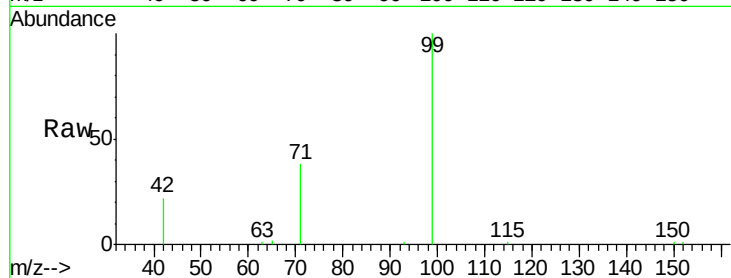
Tot Ion: 99 Resp: 7987

Ion Ratio Lower Upper

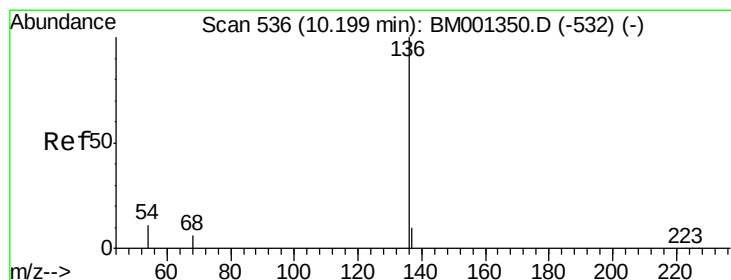
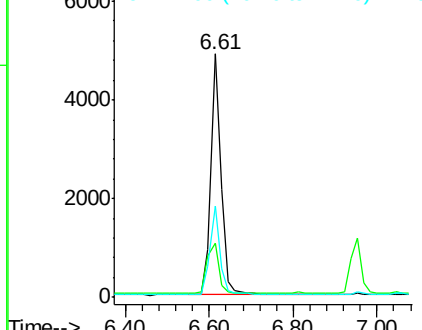
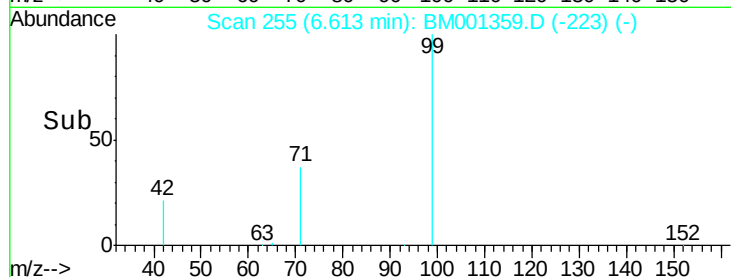
99 100

42 24.2 21.4 32.2

71 36.4 29.0 43.4



Abundance Ion 99.00 (98.70 to 99.70): BM001359.D (-223) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.20 min Scan# 536

Delta R.T. 0.00 min

Lab File: BM001359.D

Acq: 21 May 2015 13:57

Tgt Ion: 136 Resp: 41674

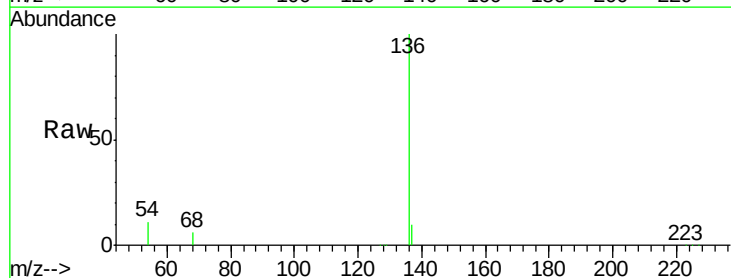
Ion Ratio Lower Upper

136 100

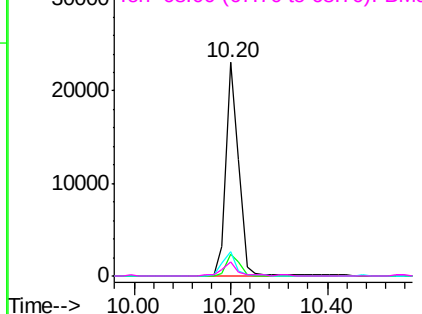
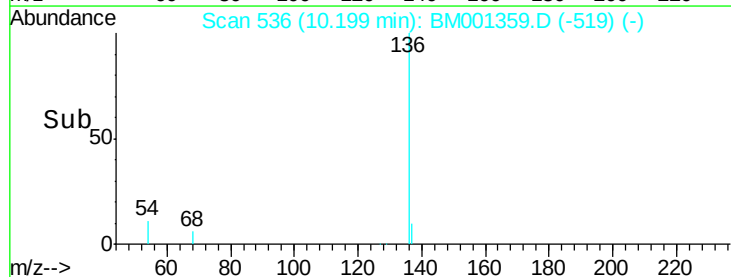
137 10.4 8.2 12.4

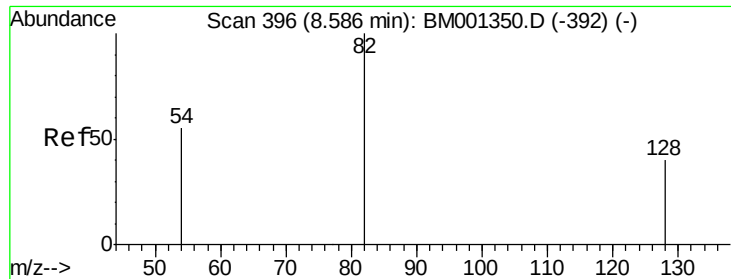
54 11.5 9.4 14.0

68 6.5 5.2 7.8



Abundance Ion 136.00 (135.70 to 136.70): BM001359.D (-519) (-)





#7

Nitrobenzene-d5

Concen: 9.18 ng

RT: 8.59 min Scan# 396

Delta R.T. 0.00 min

Lab File: BM001359.D

Acq: 21 May 2015 13:57

Instrument :

BNA_M

ClientSampleId :

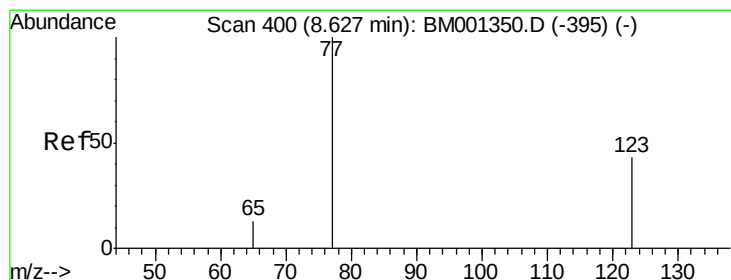
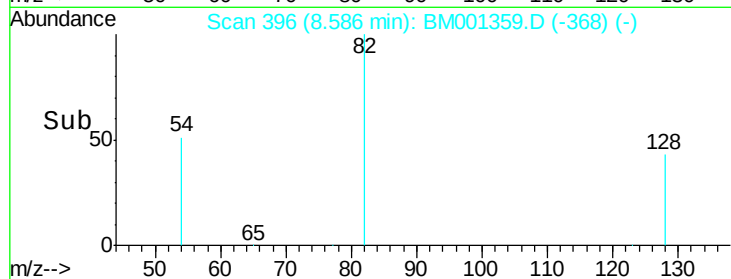
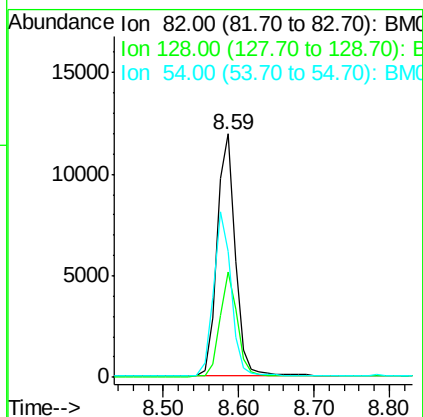
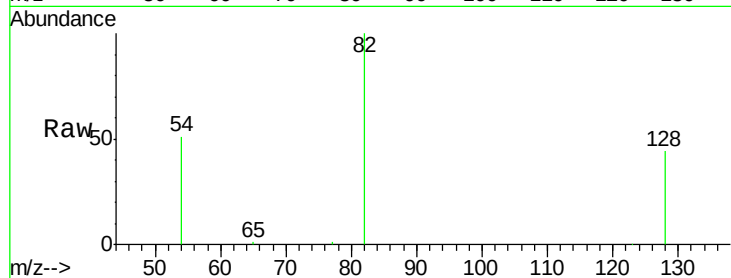
Tot Ion: 82 Resp: 20638

Ion Ratio Lower Upper

82 100

128 43.5 33.5 50.3

54 51.5 45.1 67.7



#8

Nitrobenzene

Concen: 0.14 ng

RT: 8.59 min Scan# 396

Delta R.T. -0.04 min

Lab File: BM001359.D

Acq: 21 May 2015 13:57

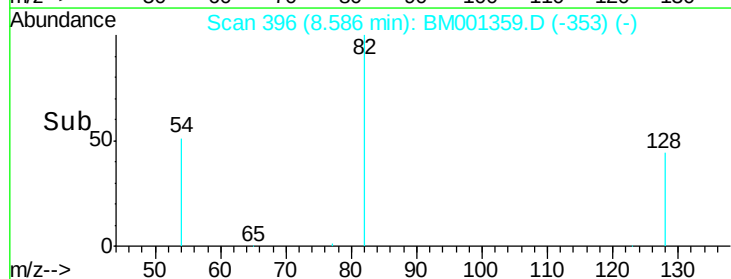
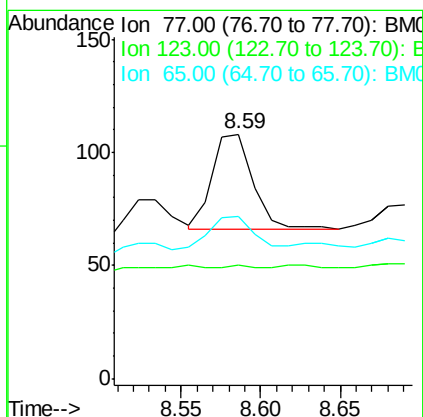
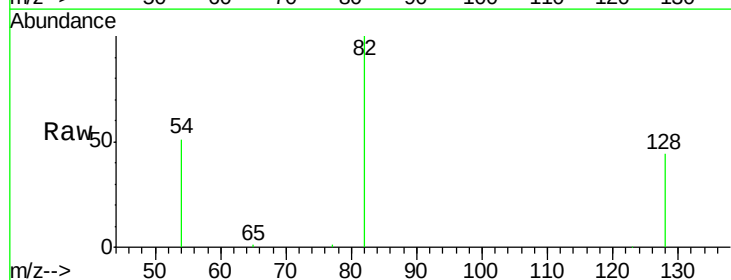
Tgt Ion: 77 Resp: 75

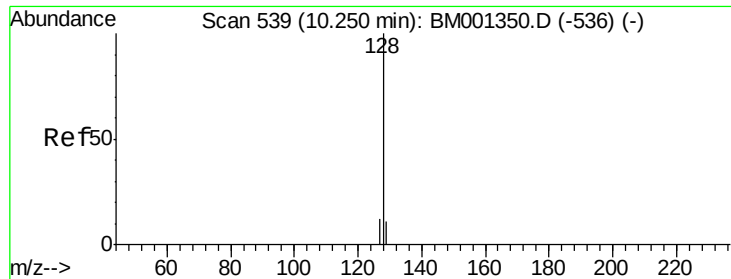
Ion Ratio Lower Upper

77 100

123 0.0 33.6 50.4#

65 48.0 11.3 16.9#





#9

Naphthalene

Concen: 0.06 ng

RT: 10.25 min Scan# 539

Delta R.T. 0.00 min

Lab File: BM001359.D

Acq: 21 May 2015 13:57

Instrument :

BNA_M

ClientSampleId :

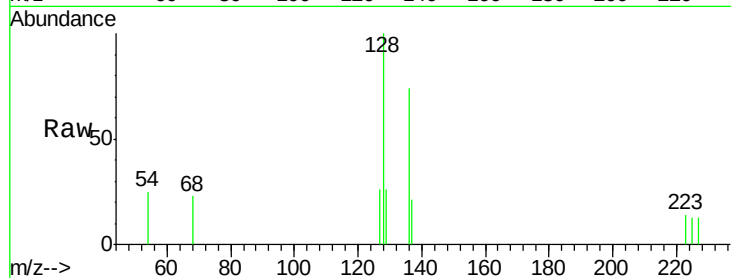
Tot Ion:128 Resp: 492

Ion Ratio Lower Upper

128 100

129 25.5 9.1 13.7#

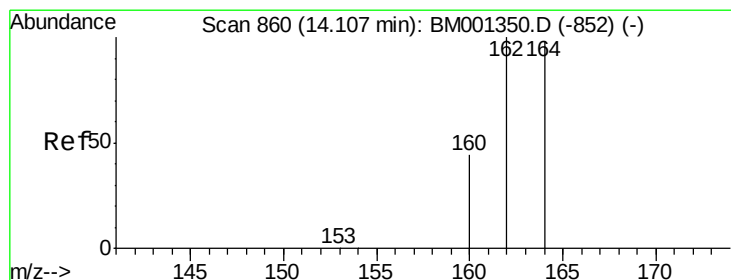
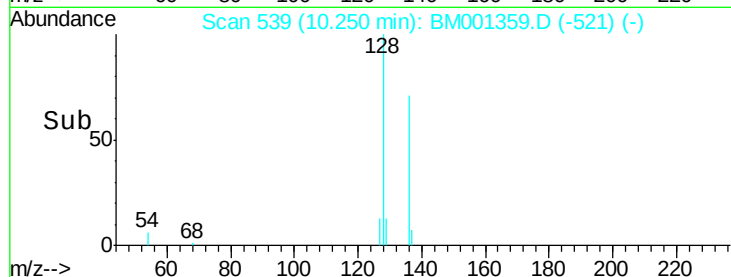
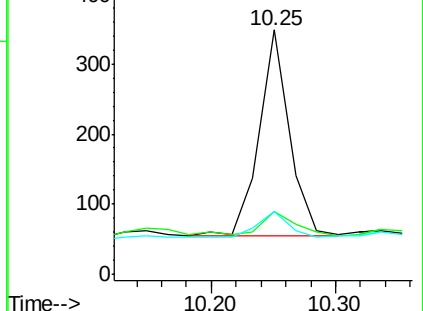
127 25.5 10.4 15.6#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.11 min Scan# 860

Delta R.T. 0.00 min

Lab File: BM001359.D

Acq: 21 May 2015 13:57

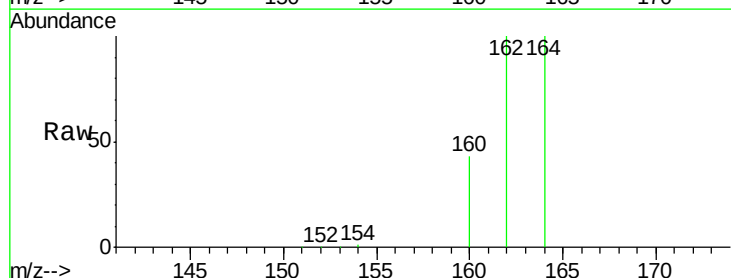
Tgt Ion:164 Resp: 25288

Ion Ratio Lower Upper

164 100

162 99.7 81.8 122.8

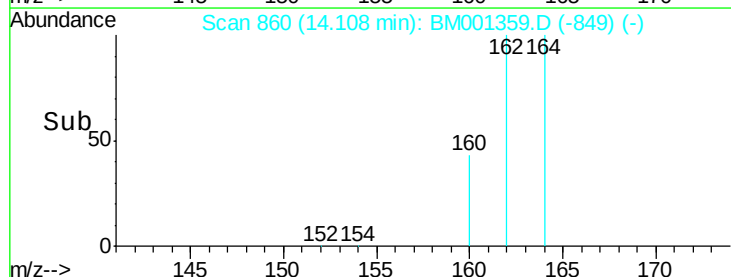
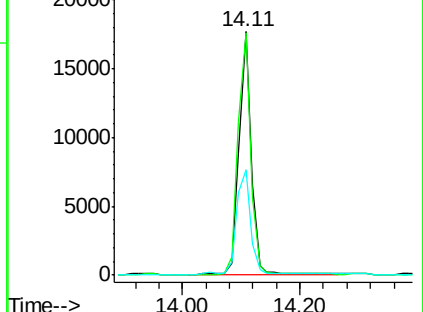
160 43.3 35.8 53.8

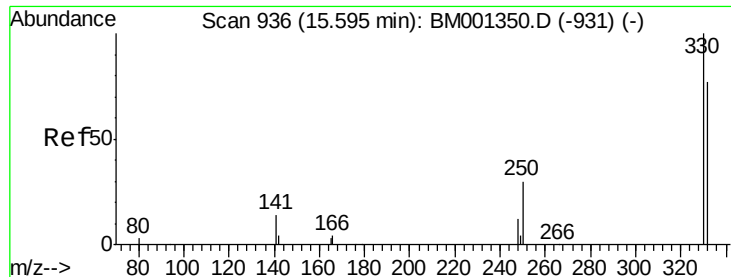


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

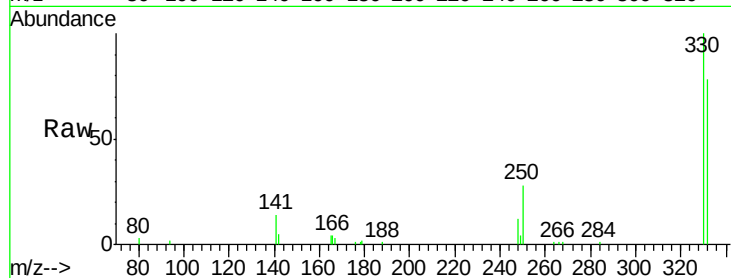




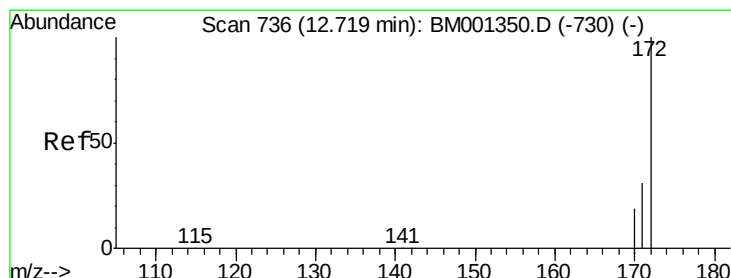
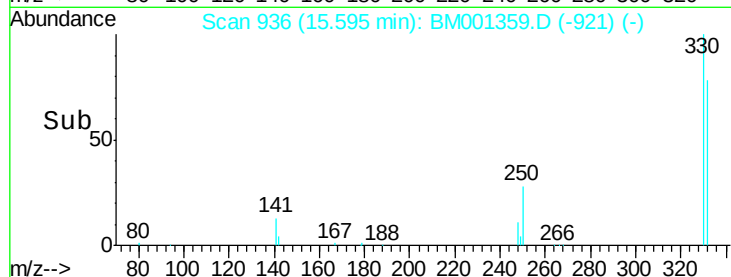
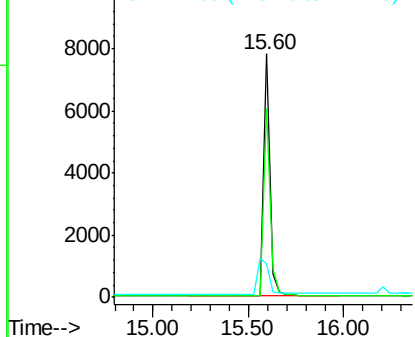
#13
 2,4,6-Tribromophenol
 Concen: 17.03 ng
 RT: 15.60 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: BM001359.D
 Acq: 21 May 2015 13:57

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:330 Resp: 17978
 Ion Ratio Lower Upper
 330 100
 332 82.2 65.4 98.2
 141 0.0 20.2 30.4#

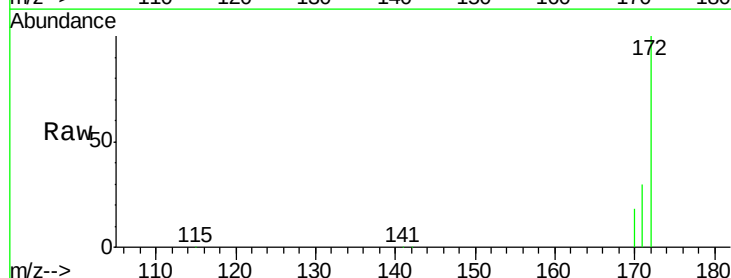


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

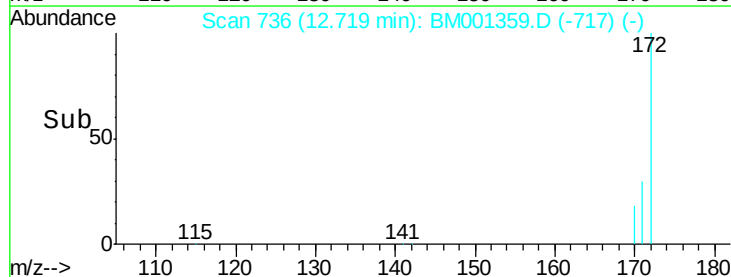
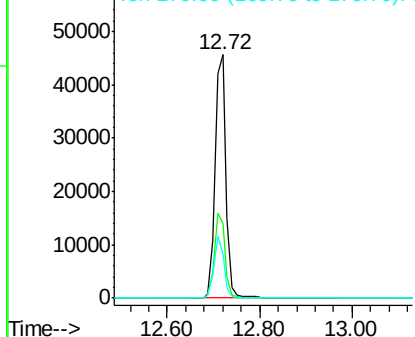


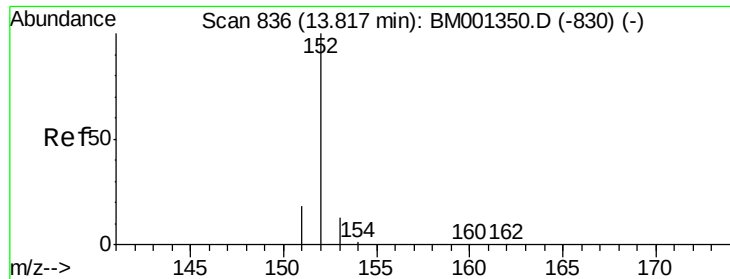
#14
 2-Fluorobiphenyl
 Concen: 9.83 ng
 RT: 12.72 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: BM001359.D
 Acq: 21 May 2015 13:57

Tgt Ion:172 Resp: 74131
 Ion Ratio Lower Upper
 172 100
 171 30.5 25.4 38.2
 170 17.9 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

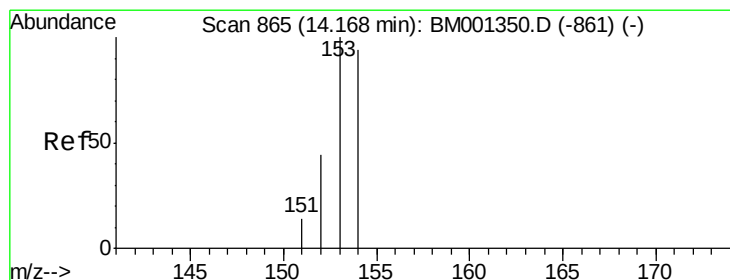
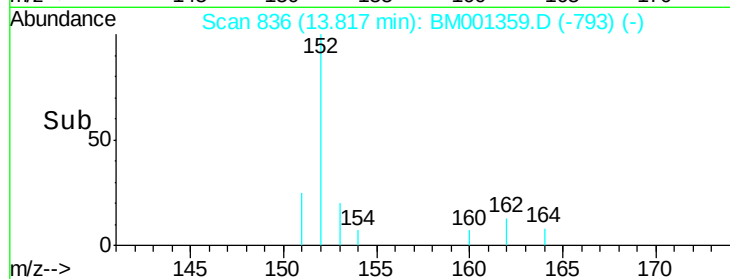
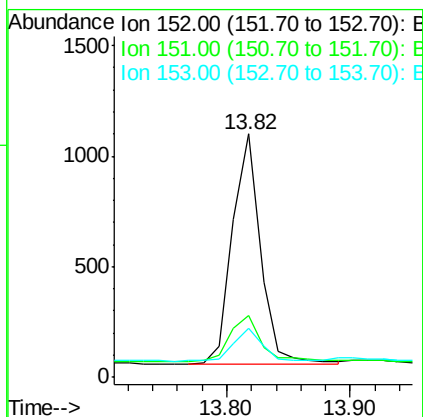
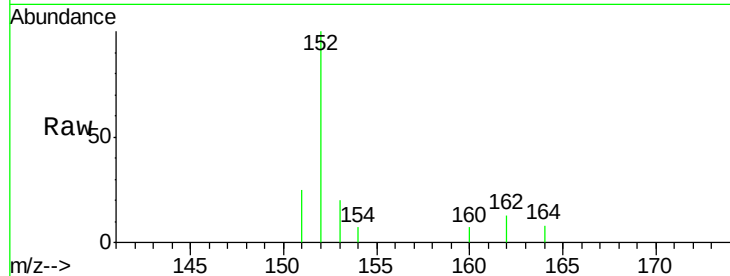




#15
Acenaphthylene
Concen: 0.16 ng
RT: 13.82 min Scan# 836
Delta R.T. 0.00 min
Lab File: BM001359.D
Acq: 21 May 2015 13:57

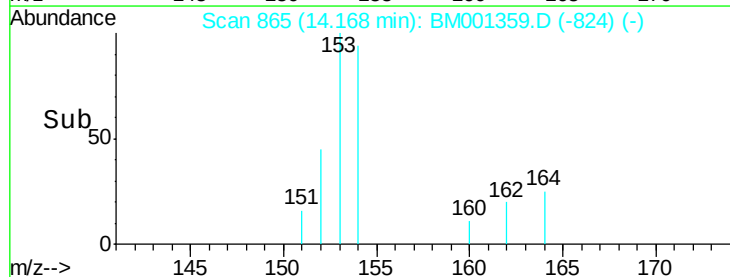
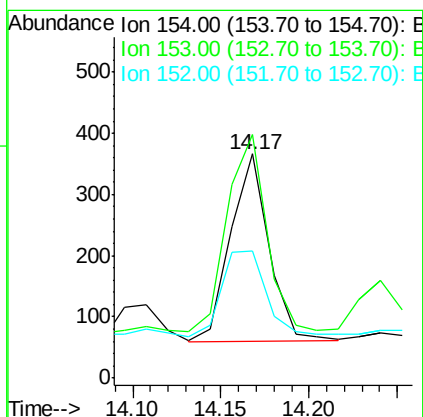
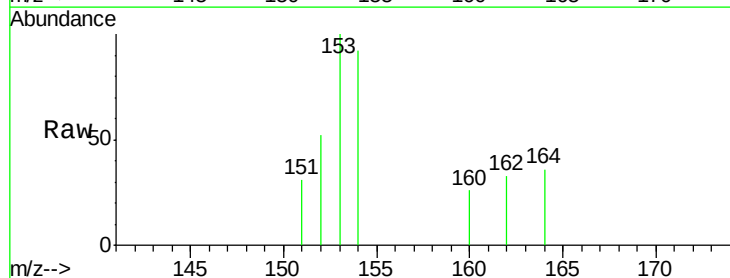
Instrument :
BNA_M
ClientSampled :

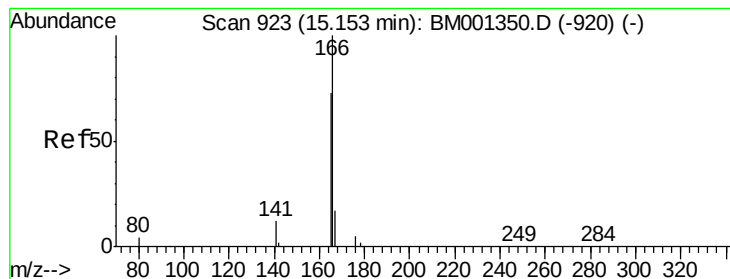
Tot Ion:152 Resp: 1666
Ion Ratio Lower Upper
152 100
151 22.3 15.3 22.9
153 13.6 10.3 15.5



#16
Acenaphthene
Concen: 0.07 ng
RT: 14.17 min Scan# 865
Delta R.T. 0.00 min
Lab File: BM001359.D
Acq: 21 May 2015 13:57

Tgt Ion:154 Resp: 465
Ion Ratio Lower Upper
154 100
153 107.7 90.6 135.8
152 54.4 43.6 65.4





#17

Fluorene

Concen: 0.19 ng

RT: 15.09 min Scan# 921

Delta R.T. -0.07 min

Lab File: BM001359.D

Acq: 21 May 2015 13:57

Instrument :

BNA_M

ClientSampleId :

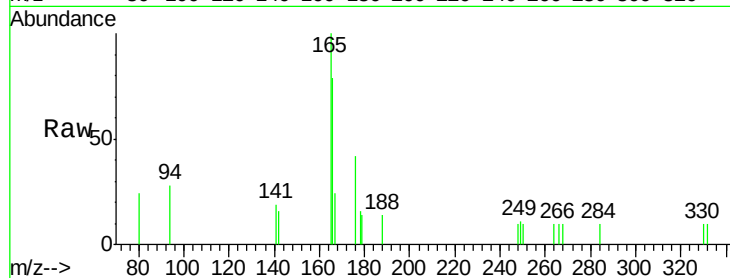
Tot Ion:166 Resp: 1035

Ion Ratio Lower Upper

166 100

165 148.9 72.5 108.7#

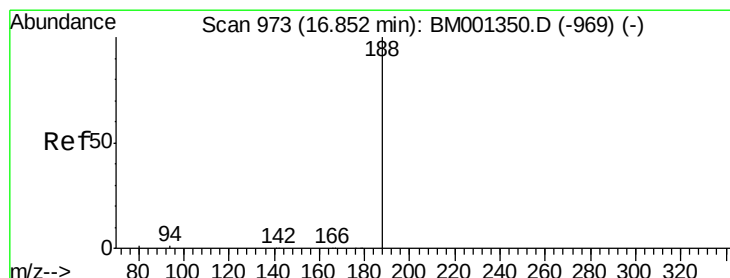
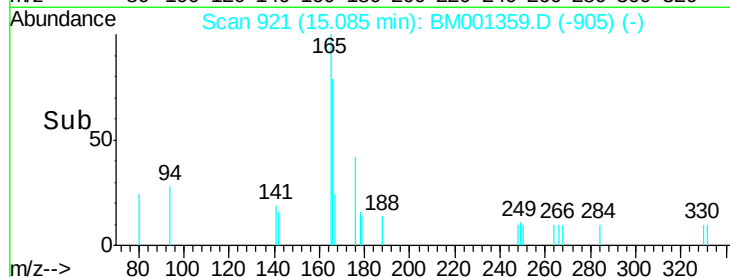
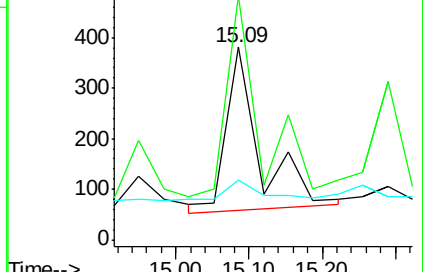
167 11.0 16.0 24.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.85 min Scan# 973

Delta R.T. 0.00 min

Lab File: BM001359.D

Acq: 21 May 2015 13:57

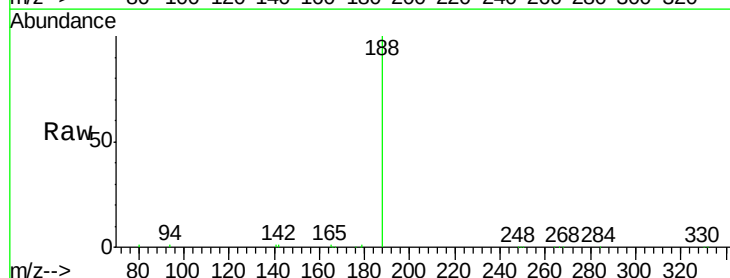
Tgt Ion:188 Resp: 49940

Ion Ratio Lower Upper

188 100

94 1.3 0.6 1.0#

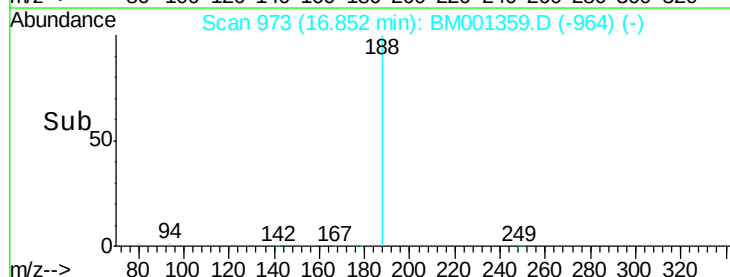
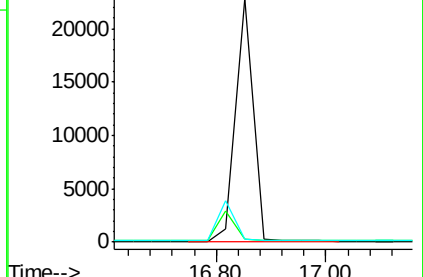
80 1.1 0.6 0.8#

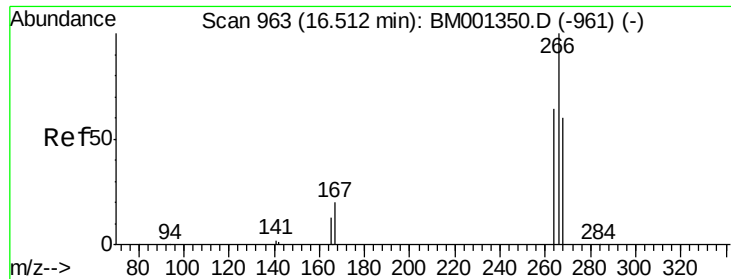


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM





#21

Pentachlorophenol

Concen: 0.56 ng

RT: 16.51 min Scan# 963

Delta R.T. 0.00 min

Lab File: BM001359.D

Acq: 21 May 2015 13:57

Instrument :

BNA_M

ClientSampleId :

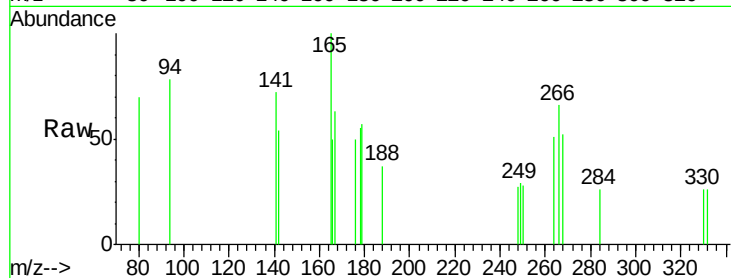
Tot Ion:266 Resp: 373

Ion Ratio Lower Upper

266 100

268 78.5 51.2 76.8#

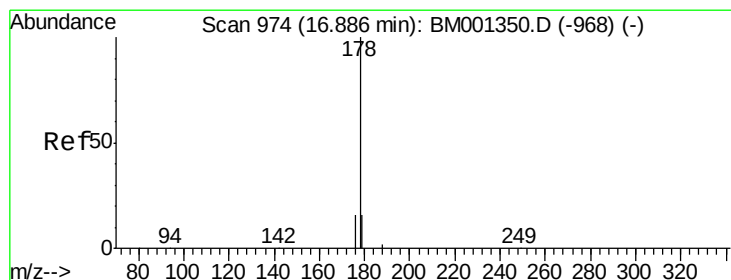
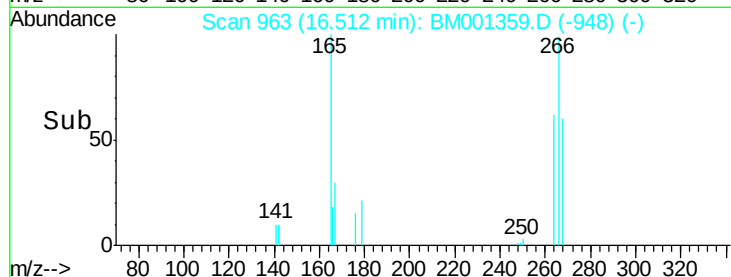
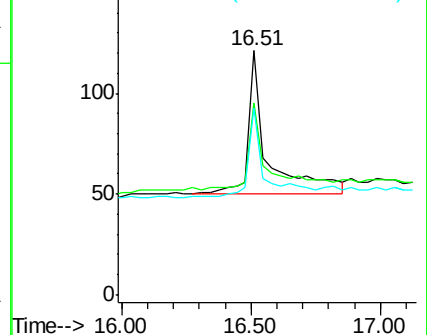
264 76.9 53.7 80.5



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



#22

Phenanthrene

Concen: 0.02 ng

RT: 16.89 min Scan# 974

Delta R.T. 0.00 min

Lab File: BM001359.D

Acq: 21 May 2015 13:57

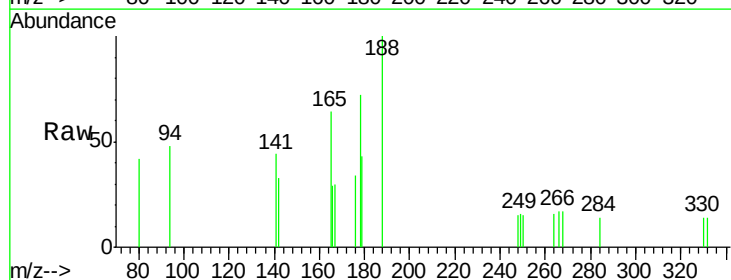
Tgt Ion:178 Resp: 365

Ion Ratio Lower Upper

178 100

176 29.6 16.6 25.0#

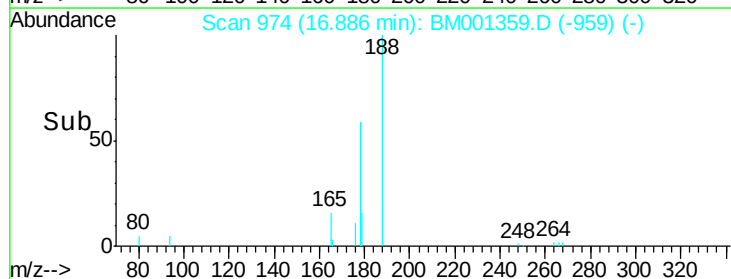
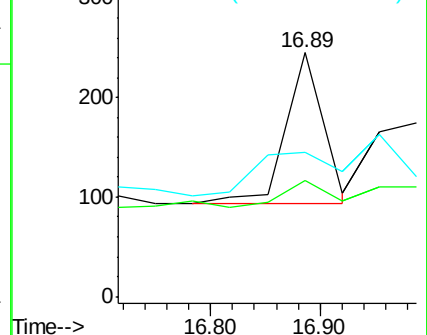
179 63.6 12.8 19.2#

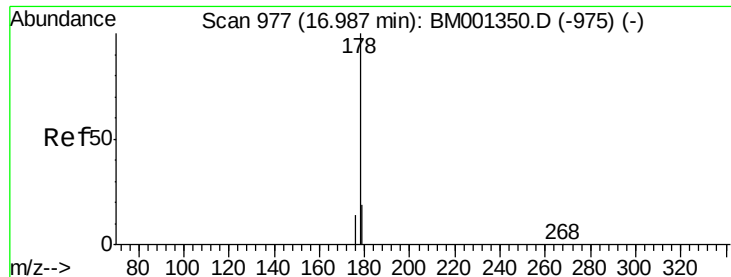


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 0.14 ng

RT: 17.09 min Scan# 980

Delta R.T. 0.10 min

Lab File: BM001359.D

Acq: 21 May 2015 13:57

Instrument :

BNA_M

ClientSampleId :

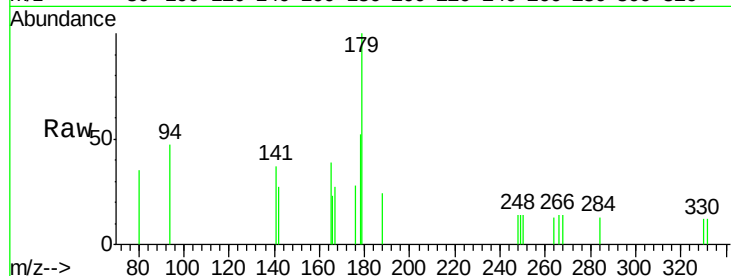
Tot Ion:178 Resp: 976

Ion Ratio Lower Upper

178 100

176 0.0 46.1 69.1#

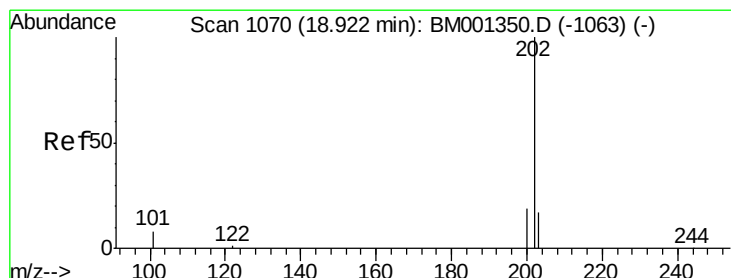
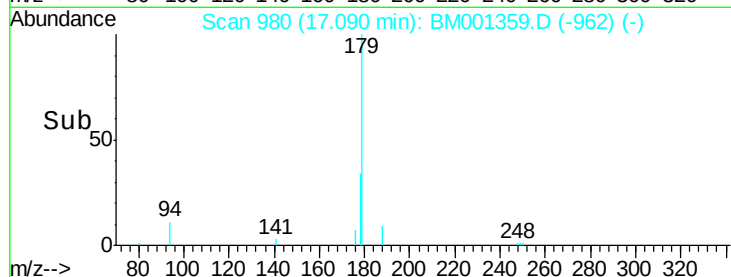
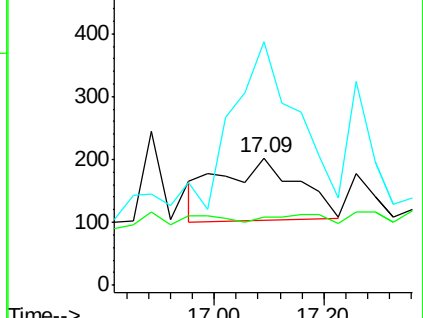
179 230.1 35.4 53.0#



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

Fluoranthene

Concen: 0.36 ng

RT: 18.92 min Scan# 1070

Delta R.T. 0.00 min

Lab File: BM001359.D

Acq: 21 May 2015 13:57

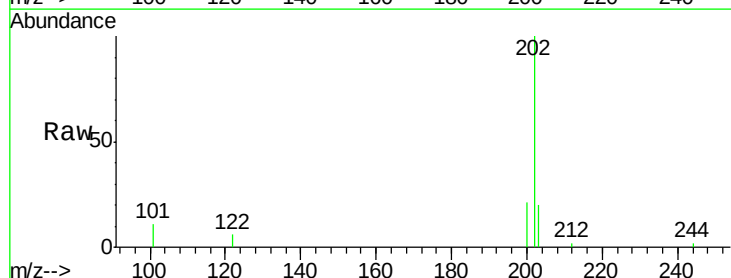
Tgt Ion:202 Resp: 5439

Ion Ratio Lower Upper

202 100

101 12.9 8.7 13.1

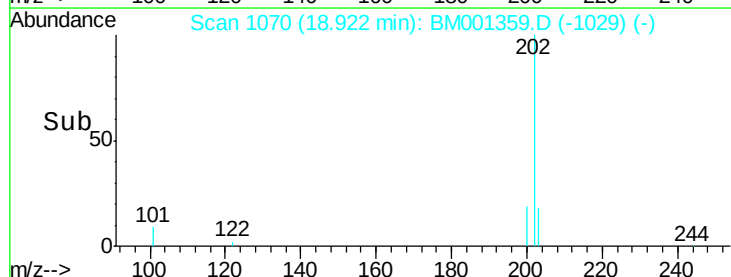
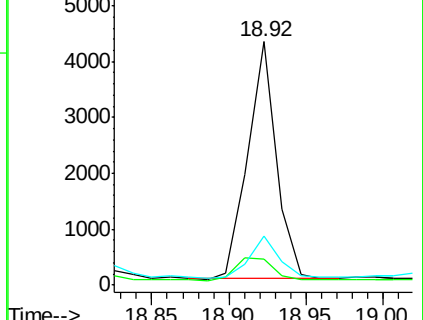
203 17.9 13.8 20.6

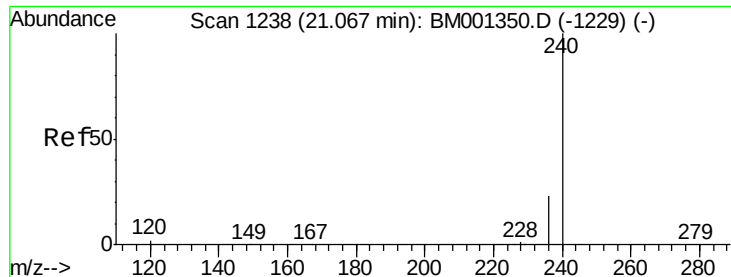


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 1238

Delta R.T. 0.00 min

Lab File: BM001359.D

Acq: 21 May 2015 13:57

Instrument :

BNA_M

ClientSampleId :

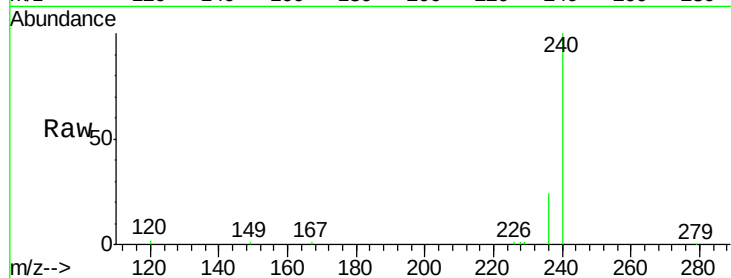
Tot Ion:240 Resp: 57459

Ion Ratio Lower Upper

240 100

120 2.3 1.6 2.4

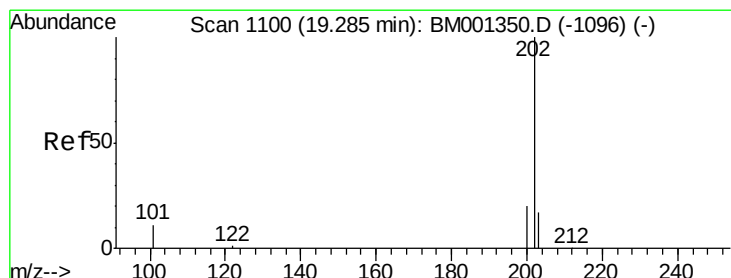
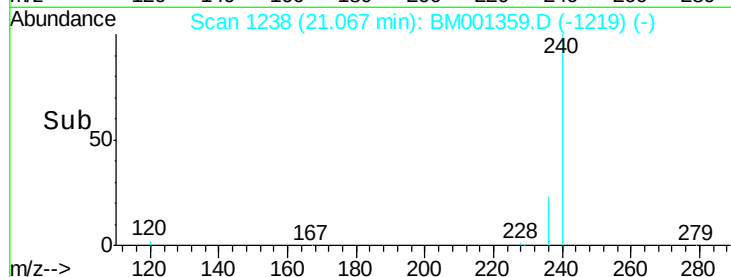
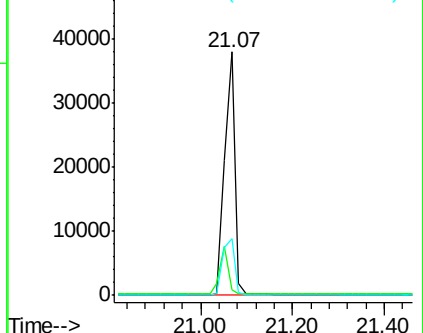
236 23.5 18.5 27.7



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



#26

Pyrene

Concen: 0.31 ng

RT: 18.92 min Scan# 1070

Delta R.T. -0.36 min

Lab File: BM001359.D

Acq: 21 May 2015 13:57

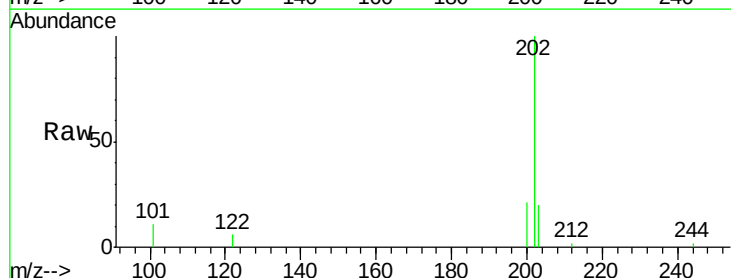
Tgt Ion:202 Resp: 5439

Ion Ratio Lower Upper

202 100

200 20.8 16.2 24.4

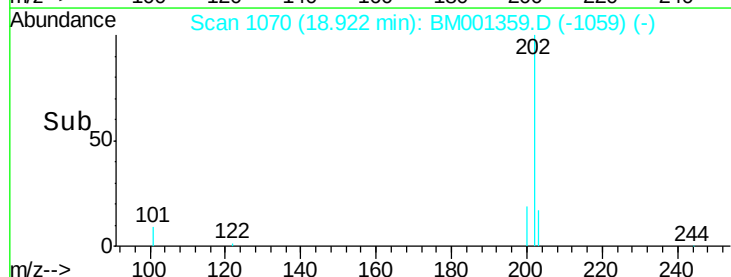
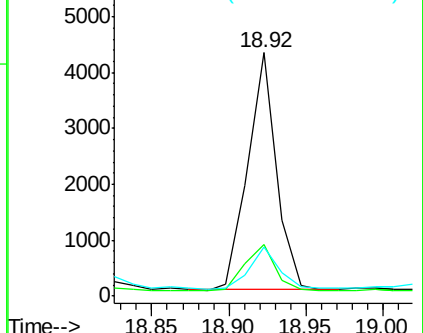
203 17.9 13.9 20.9

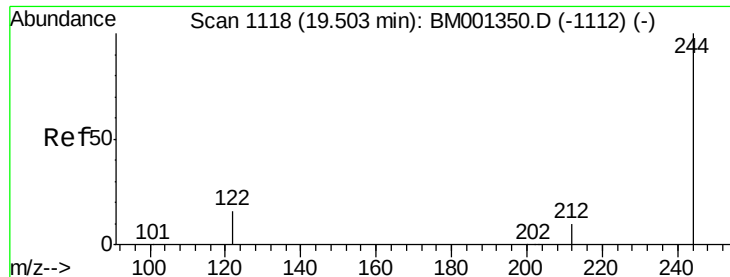


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Terphenyl-d14

Concen: 10.46 ng

RT: 19.50 min Scan# 1118

Delta R.T. 0.00 min

Lab File: BM001359.D

Acq: 21 May 2015 13:57

Instrument :

BNA_M

ClientSampleId :

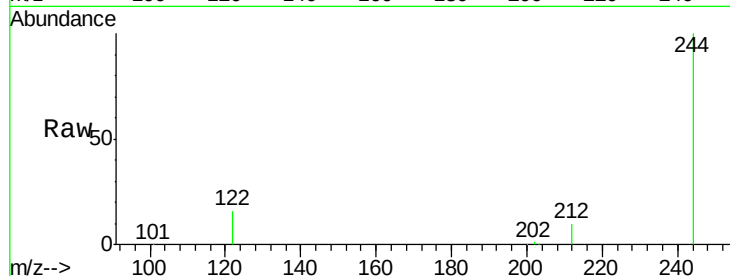
Tot Ion:244 Resp: 79059

Ion Ratio Lower Upper

244 100

212 10.4 8.5 12.7

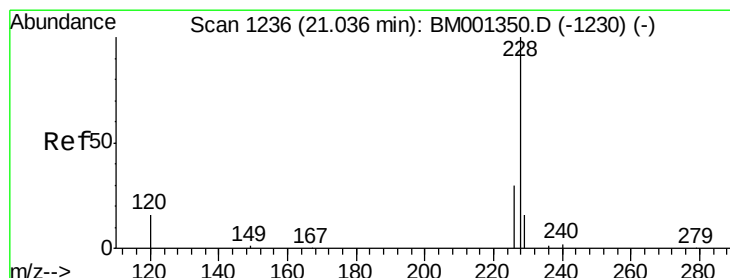
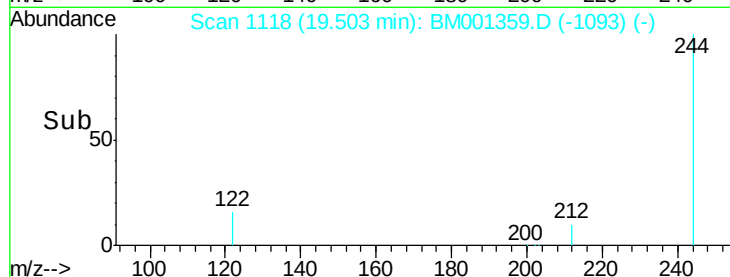
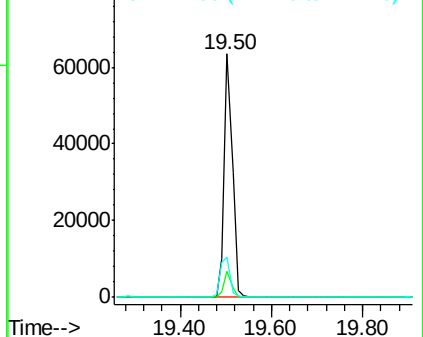
122 16.5 13.4 20.2



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



#28

Benzo(a)anthracene

Concen: 0.16 ng

RT: 21.04 min Scan# 1236

Delta R.T. 0.00 min

Lab File: BM001359.D

Acq: 21 May 2015 13:57

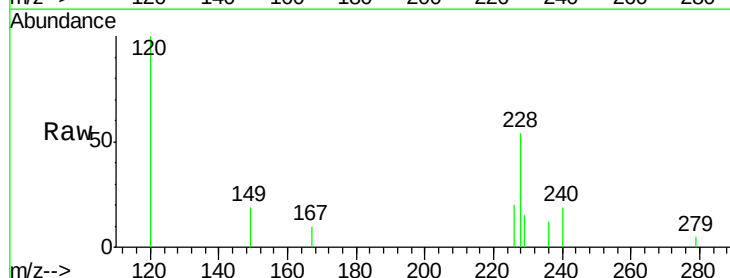
Tgt Ion:228 Resp: 2656

Ion Ratio Lower Upper

228 100

226 37.8 24.5 36.7#

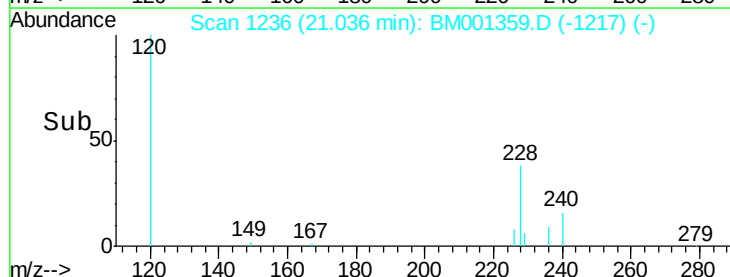
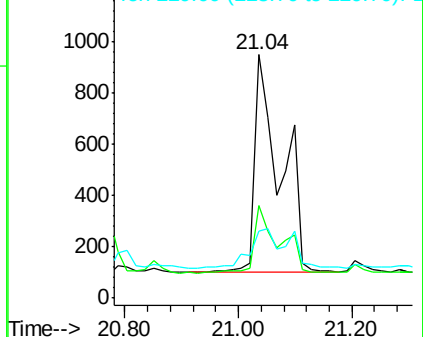
229 27.5 13.3 19.9#

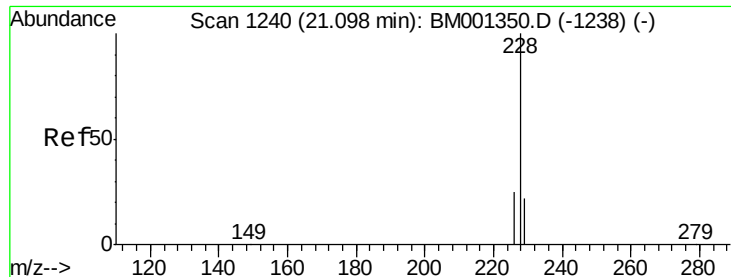


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Chrysene

Concen: 0.17 ng

RT: 21.04 min Scan# 1236

Delta R.T. -0.06 min

Lab File: BM001359.D

Acq: 21 May 2015 13:57

Instrument :

BNA_M

ClientSampleId :

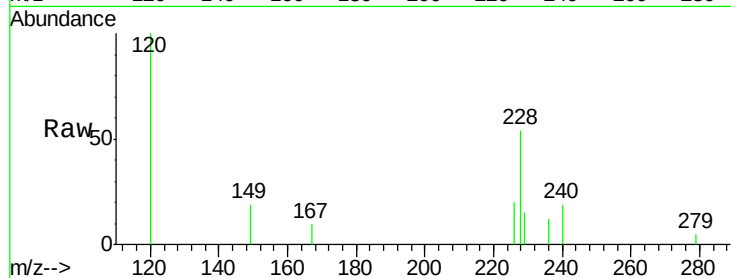
Tot Ion:228 Resp: 2656

Ion Ratio Lower Upper

228 100

226 37.8 20.0 30.0#

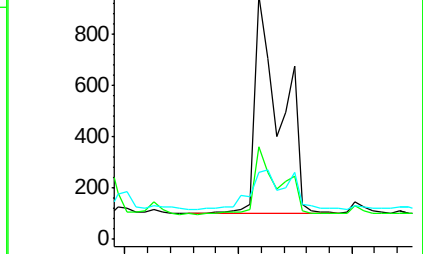
229 27.5 17.6 26.4#



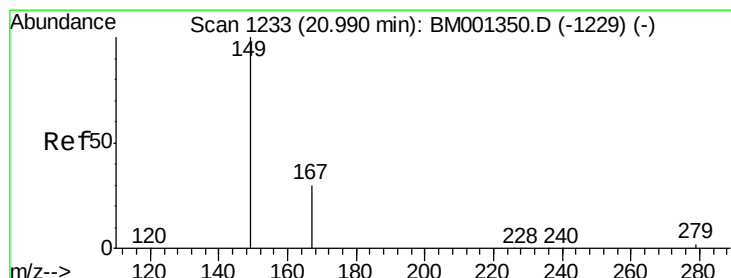
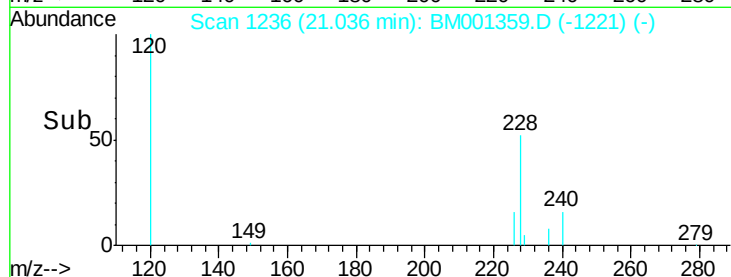
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#30

Bis(2-ethylhexyl)phthalate

Concen: 2.16 ng

RT: 20.99 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BM001359.D

Acq: 21 May 2015 13:57

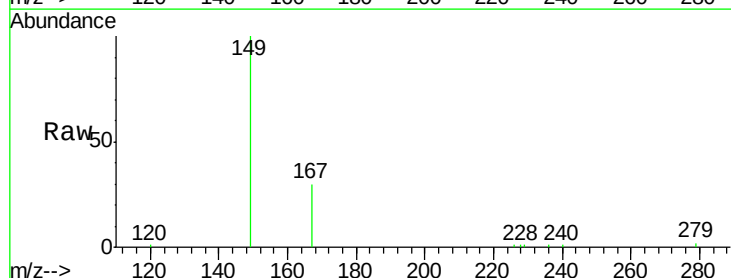
Tgt Ion:149 Resp: 20905

Ion Ratio Lower Upper

149 100

167 26.8 21.6 32.4

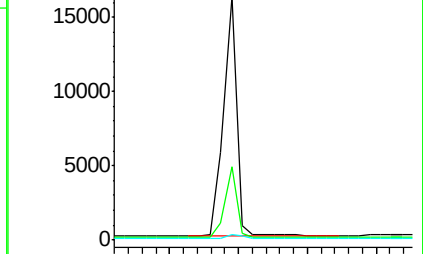
279 2.5 1.9 2.9



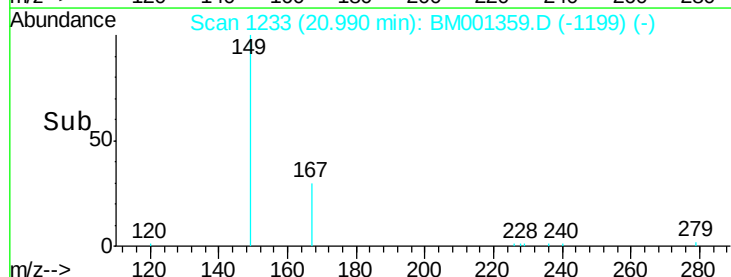
Abundance Ion 149.00 (148.70 to 149.70): E

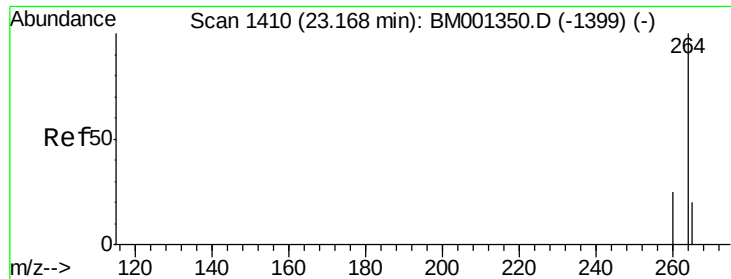
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->

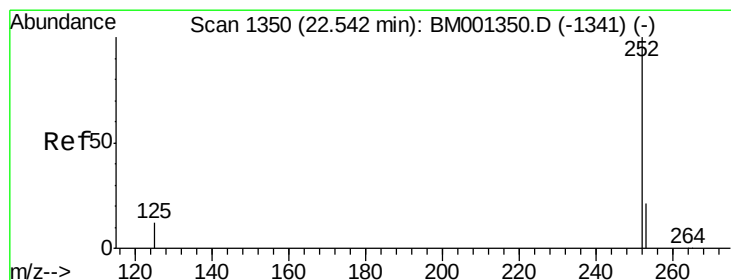
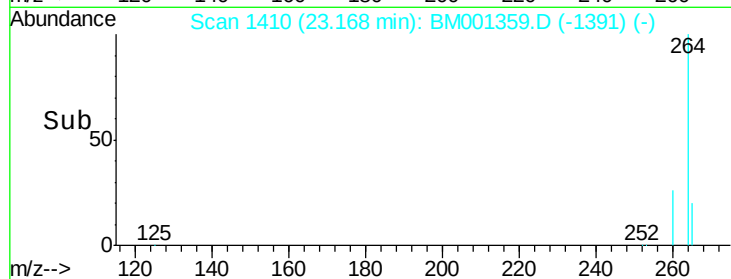
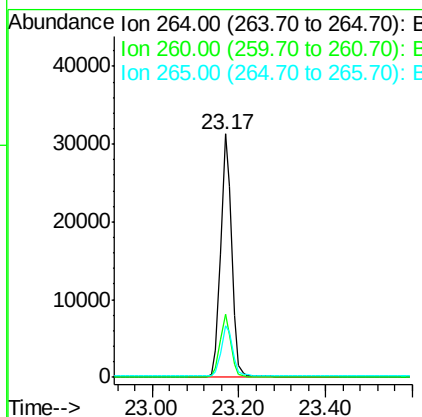
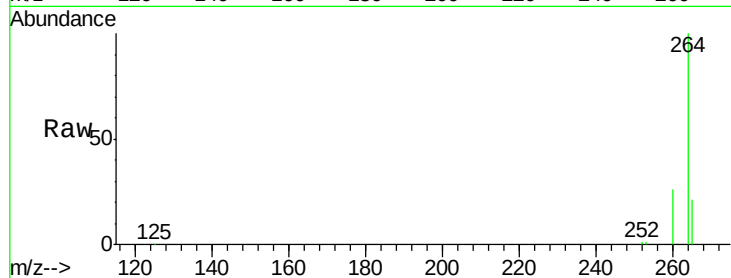




#32
Pervlene-d12
Concen: 5.00 ng
RT: 23.17 min Scan# 1410
Delta R.T. 0.00 min
Lab File: BM001359.D
Acq: 21 May 2015 13:57

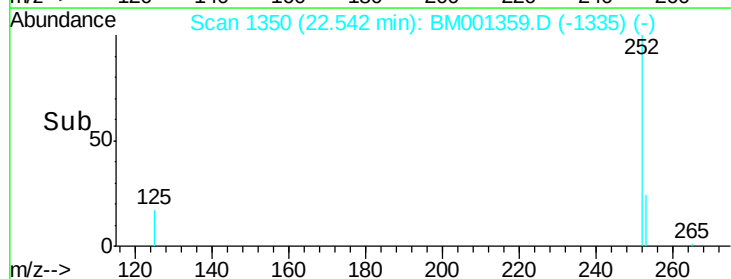
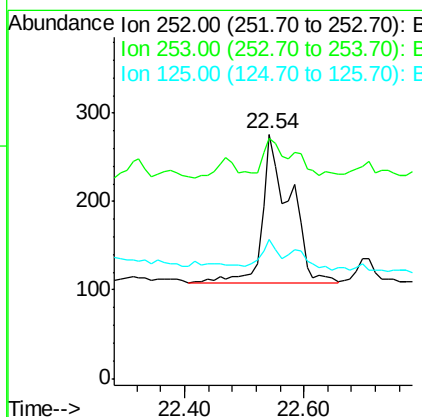
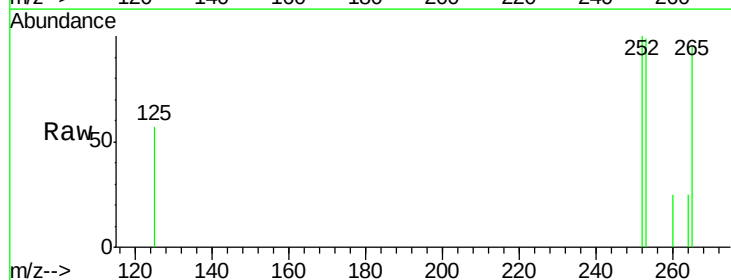
Instrument :
BNA_M
ClientSampleId :

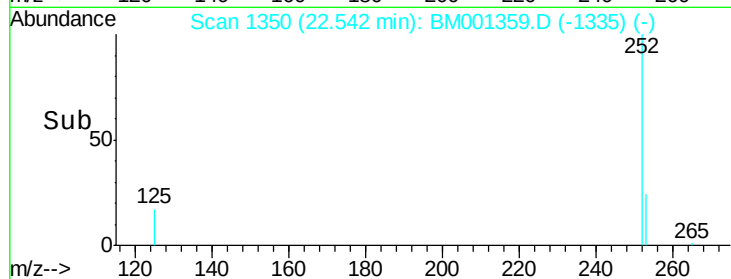
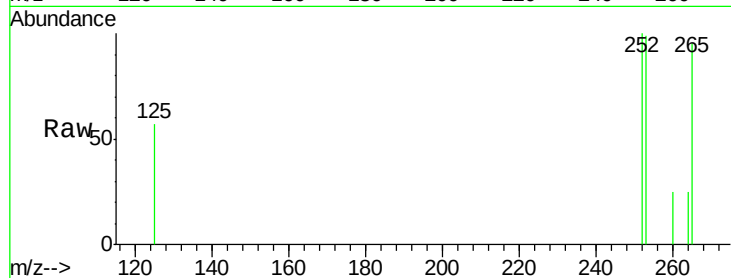
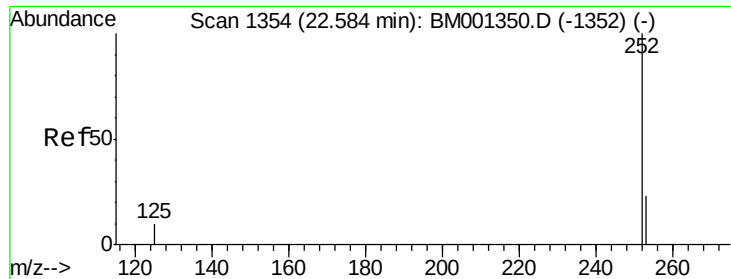
Tot Ion:264 Resp: 54091
Ion Ratio Lower Upper
264 100
260 25.9 20.4 30.6
265 21.1 16.6 24.8



#33
Benzo(b)fluoranthene
Concen: 0.03 ng
RT: 22.54 min Scan# 1350
Delta R.T. 0.00 min
Lab File: BM001359.D
Acq: 21 May 2015 13:57

Tgt Ion:252 Resp: 544
Ion Ratio Lower Upper
252 100
253 98.6 17.9 26.9#
125 56.9 9.8 14.8#





#34

Benzo(k)fluoranthene

Concen: 0.04 ng

RT: 22.54 min Scan# 1350

Delta R.T. -0.04 min

Lab File: BM001359.D

Acq: 21 May 2015 13:57

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 252 Resp: 544

Ion Ratio Lower Upper

252 100

253 98.6 18.6 28.0#

125 56.9 9.3 13.9#

