

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040815\
 Data File : BM000903.D
 Acq On : 08 Apr 2015 11:30
 Operator : TP/IZ
 Sample : PB82494BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB82494BL

Quant Time: Apr 09 03:43:22 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM033115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 03:29:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	35181	5.00	ng	0.00
4) Naphthalene-d8	10.39	136	121158	5.00	ng	0.00
8) Acenaphthene-d10	14.26	164	60633	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	134370	5.00	ng	0.00
19) Chrysene-d12	21.21	240	112383	5.00	ng	0.00
25) Perylene-d12	23.39	264	101676	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.76	82	44443	6.02	ng	0.00
9) 2-Fluorobiphenyl	12.88	172	142071	7.55	ng	0.00
21) Terphenyl-d14	19.65	244	138580	10.25	ng	0.00

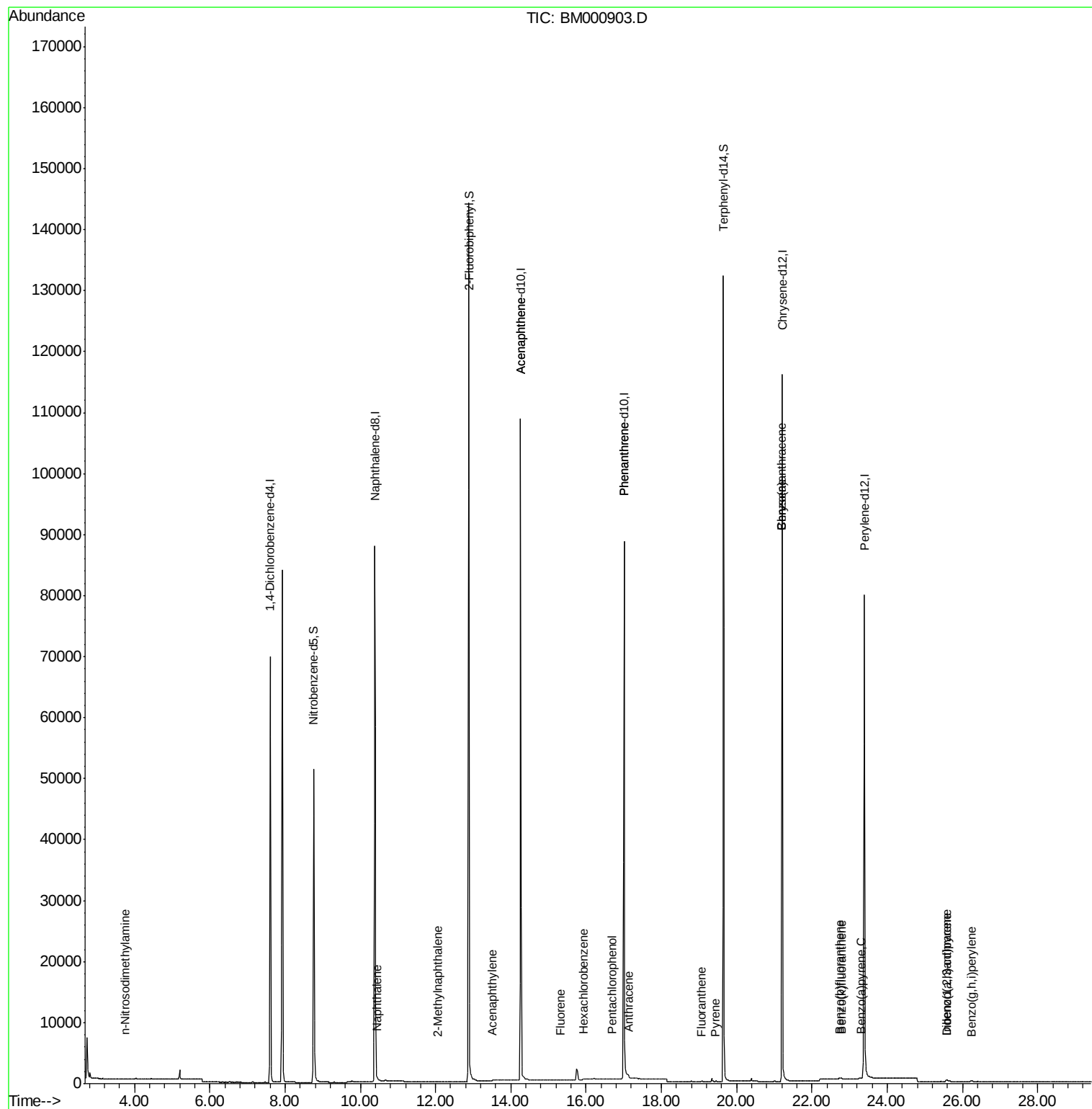
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.75	42	37	0.16	ng	# 13
6) Naphthalene	10.44	128	38	0.00	ng	# 1
7) 2-Methylnaphthalene	12.07	142	19	0.00	ng	# 9
10) Acenaphthylene	13.51	152	187	0.01	ng	# 1
11) Acenaphthene	14.26	154	279	0.02	ng	# 14
12) Fluorene	15.32	166	33	0.00	ng	# 70
14) Hexachlorobenzene	15.92	284	407	0.05	ng	# 43
15) Pentachlorophenol	16.68	266	47	0.38	ng	# 68
16) Phenanthrene	17.01	178	97	0.00	ng	# 1
17) Anthracene	17.13	178	42	0.00	ng	# 61
18) Fluoranthene	19.08	202	65	0.00	ng	# 74
20) Pyrene	19.44	202	52	0.00	ng	# 60
22) Benzo(a)anthracene	21.20	228	443	0.01	ng	# 85
23) Chrysene	21.20	228	443	0.01	ng	# 74
24) Indeno(1,2,3-cd)pyrene	25.58	276	388	0.01	ng	# 99
26) Benzo(b)fluoranthene	22.74	252	128	0.00	ng	# 1
27) Benzo(k)fluoranthene	22.79	252	112	0.00	ng	# 1
28) Benzo(a)pyrene	23.30	252	128	0.00	ng	# 1
29) Dibenzo(a,h)anthracene	25.59	278	375	0.01	ng	# 11
30) Benzo(g,h,i)perylene	26.25	276	226	0.01	ng	# 27

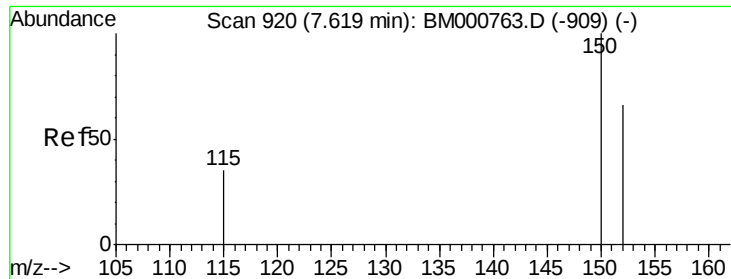
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 09 03:43:22 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM033115.M
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QLast Update : Thu Apr 09 03:29:56 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.61 min Scan# 918

Delta R.T. -0.00 min

Lab File: BM000903.D

Acq: 08 Apr 2015 11:30

Instrument :

BNA_M

ClientSampleId :

PB82494BL

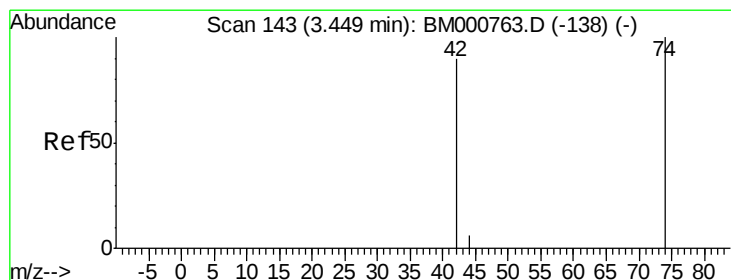
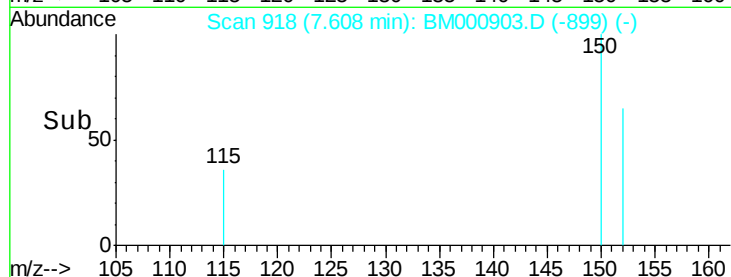
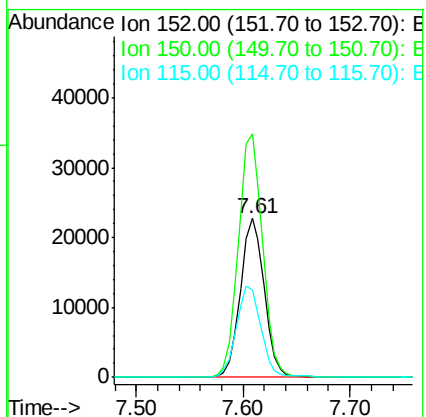
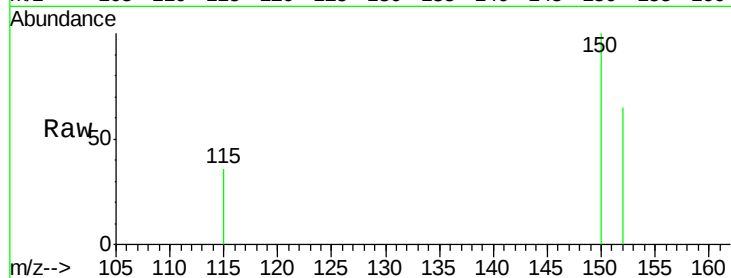
Tgt Ion:152 Resp: 35181

Ion Ratio Lower Upper

152 100

150 153.2 120.8 181.2

115 54.9 42.7 64.1



#3

n-Nitrosodimethylamine

Concen: 0.16 ng

RT: 3.75 min Scan# 200

Delta R.T. 0.32 min

Lab File: BM000903.D

Acq: 08 Apr 2015 11:30

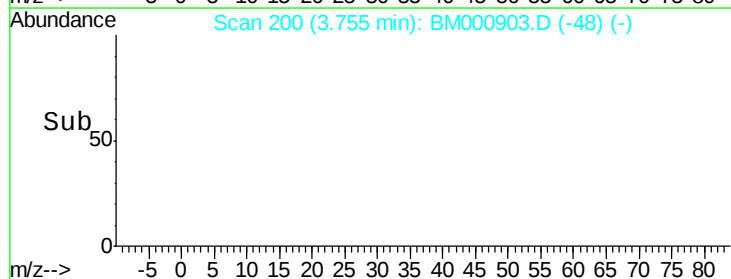
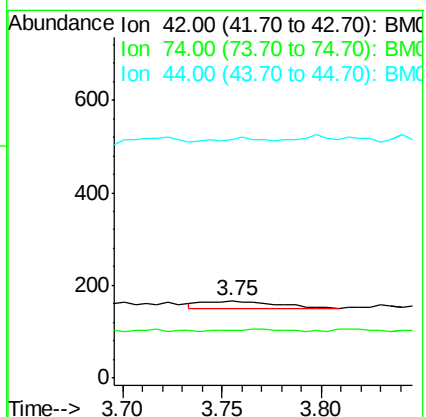
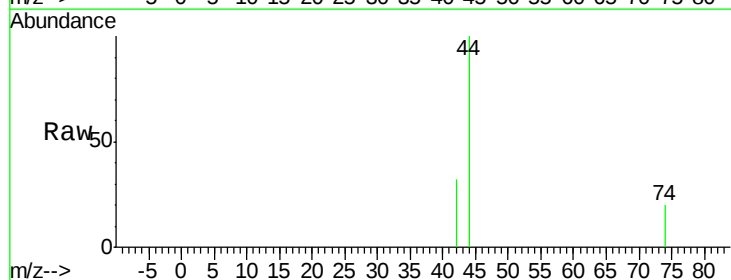
Tgt Ion: 42 Resp: 37

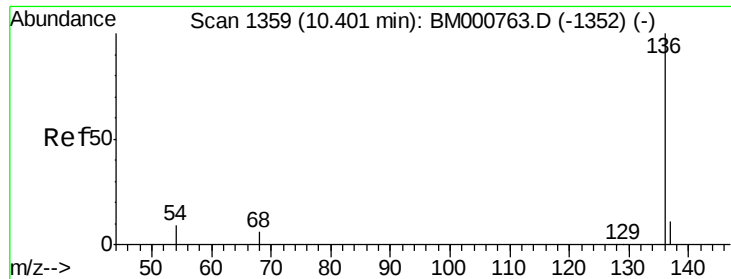
Ion Ratio Lower Upper

42 100

74 18.9 93.6 140.4#

44 24.3 6.3 9.5#





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 1358

Delta R.T. -0.00 min

Lab File: BM000903.D

Acq: 08 Apr 2015 11:30

Instrument :

BNA_M

ClientSampleId :

PB82494BL

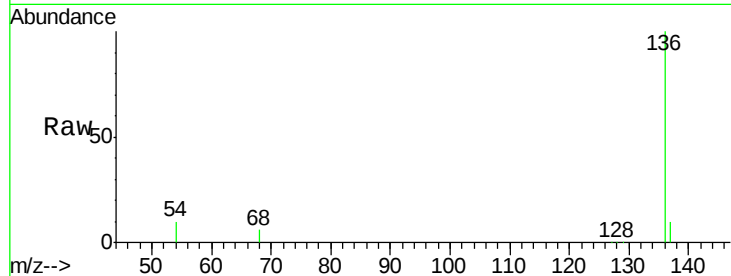
Tgt Ion:136 Resp: 121158

Ion Ratio Lower Upper

136 100

137 10.5 8.6 12.8

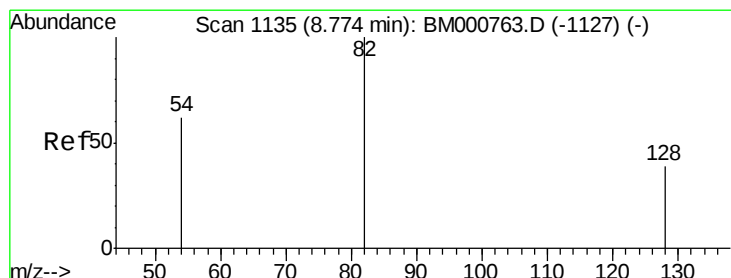
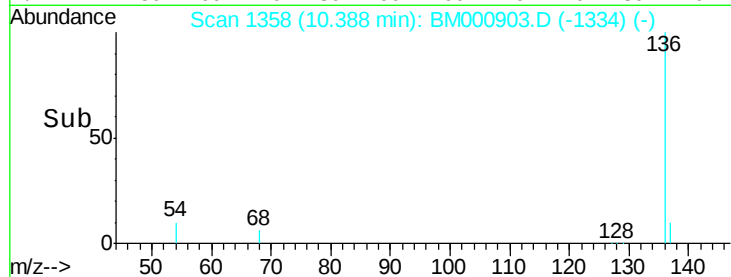
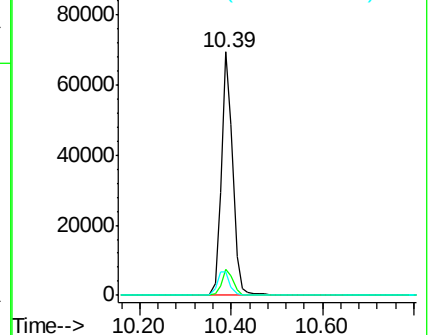
54 9.9 7.0 10.6



Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): B



#5

Nitrobenzene-d5

Concen: 6.02 ng

RT: 8.76 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BM000903.D

Acq: 08 Apr 2015 11:30

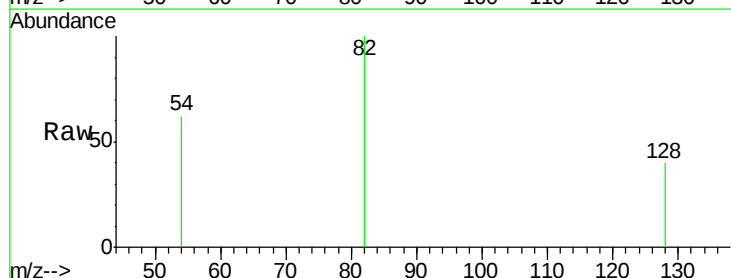
Tgt Ion: 82 Resp: 44443

Ion Ratio Lower Upper

82 100

128 40.0 32.2 48.2

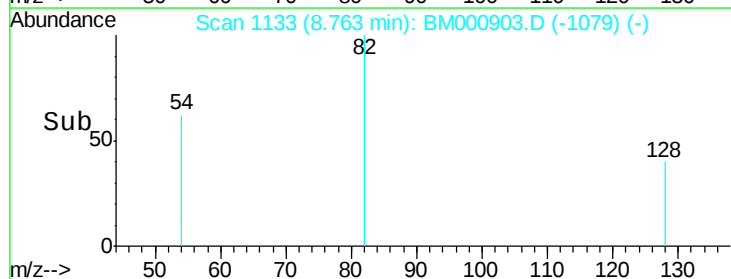
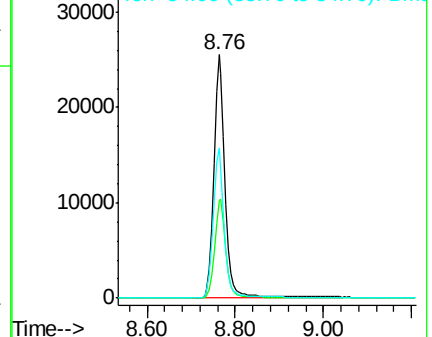
54 61.7 50.2 75.4

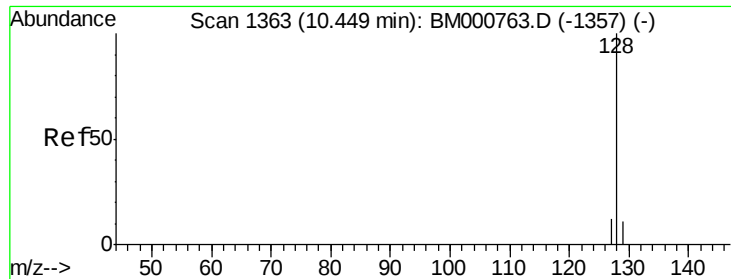


Abundance Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): B





#6

Naphthalene

Concen: 0.00 ng

RT: 10.44 min Scan# 1362

Delta R.T. -0.00 min

Lab File: BM000903.D

Acq: 08 Apr 2015 11:30

Instrument :

BNA_M

ClientSampleId :

PB82494BL

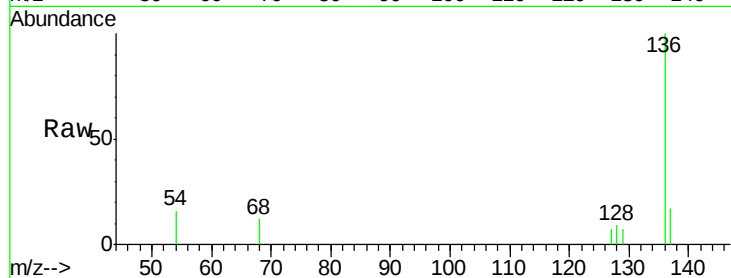
Tgt Ion:128 Resp: 38

Ion Ratio Lower Upper

128 100

129 75.0 8.9 13.3#

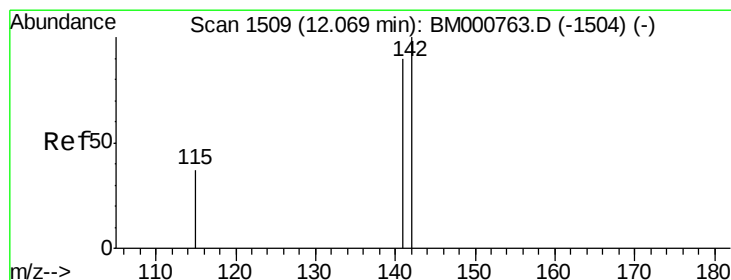
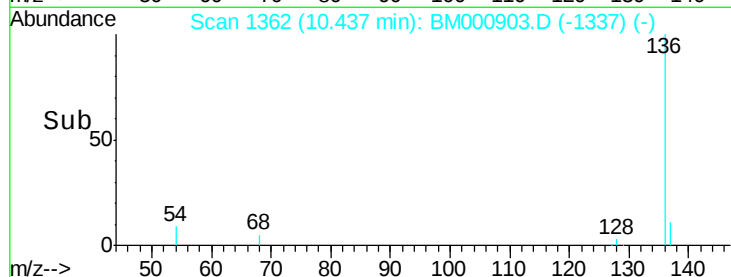
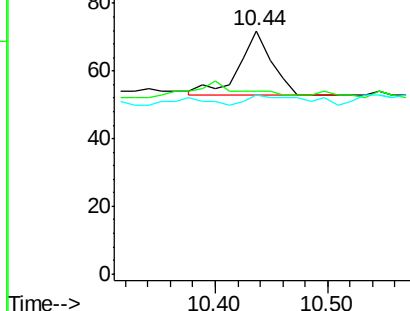
127 73.6 10.0 15.0#



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



#7

2-Methylnaphthalene

Concen: 0.00 ng

RT: 12.07 min Scan# 1509

Delta R.T. 0.01 min

Lab File: BM000903.D

Acq: 08 Apr 2015 11:30

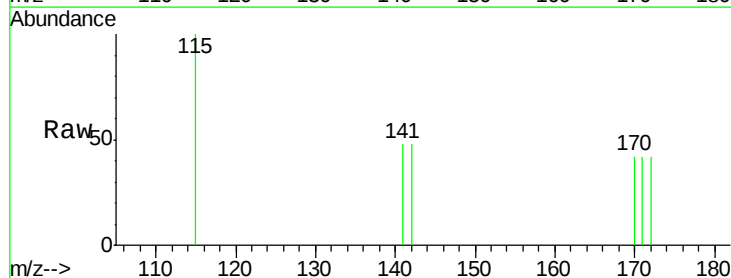
Tgt Ion:142 Resp: 19

Ion Ratio Lower Upper

142 100

141 100.0 72.3 108.5

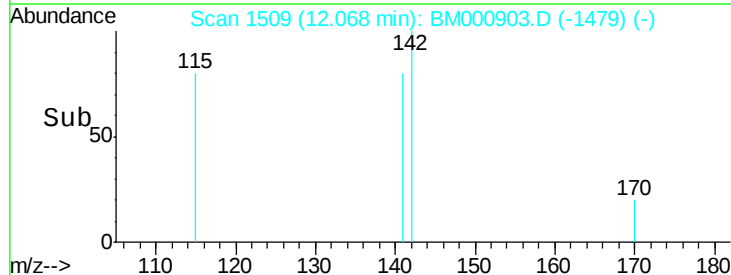
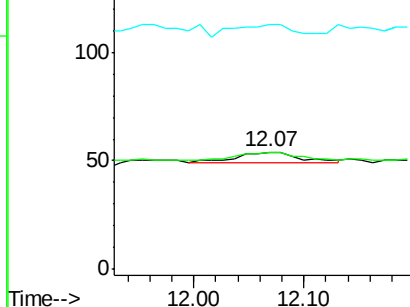
115 209.3 29.5 44.3#

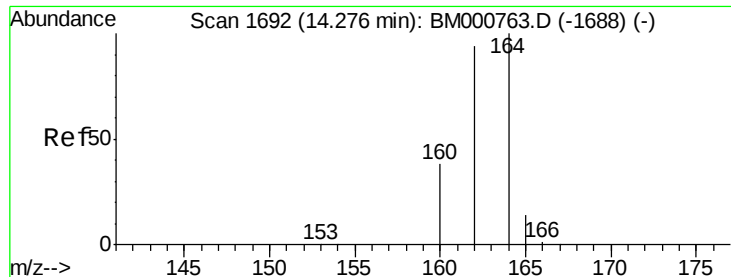


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.26 min Scan# 1691

Delta R.T. -0.00 min

Lab File: BM000903.D

Acq: 08 Apr 2015 11:30

Instrument :

BNA_M

ClientSampleId :

PB82494BL

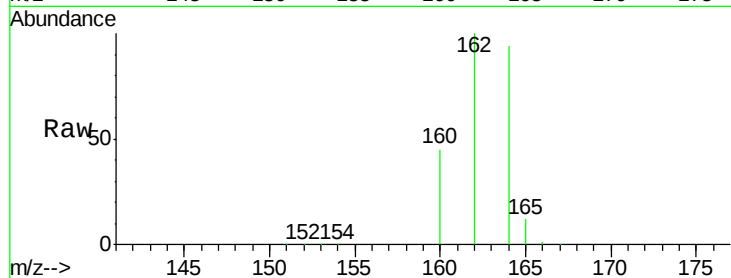
Tgt Ion:164 Resp: 60633

Ion Ratio Lower Upper

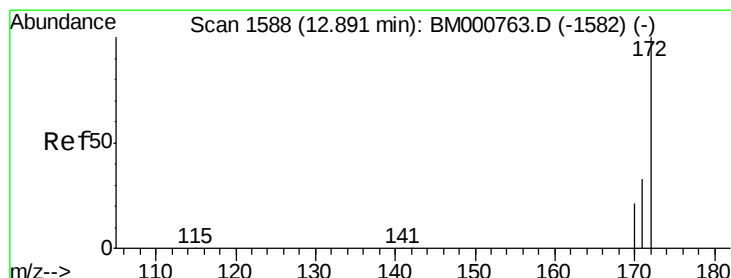
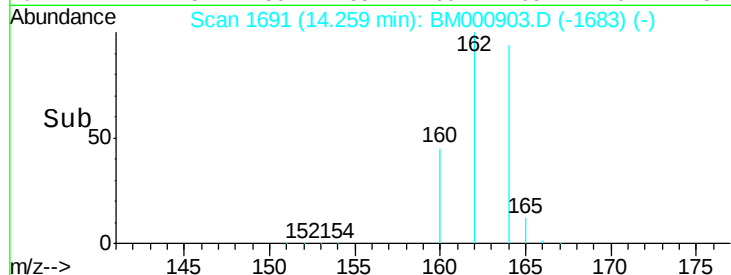
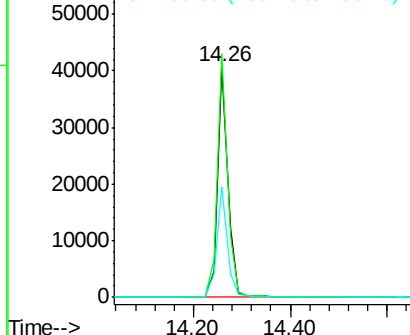
164 100

162 105.9 75.4 113.2

160 48.1 30.8 46.2#



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



#9

2-Fluorobiphenyl

Concen: 7.55 ng

RT: 12.88 min Scan# 1587

Delta R.T. -0.00 min

Lab File: BM000903.D

Acq: 08 Apr 2015 11:30

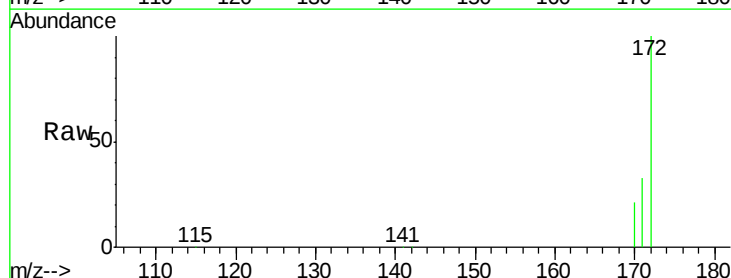
Tgt Ion:172 Resp: 142071

Ion Ratio Lower Upper

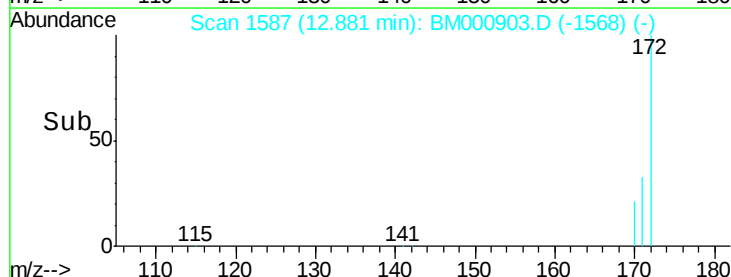
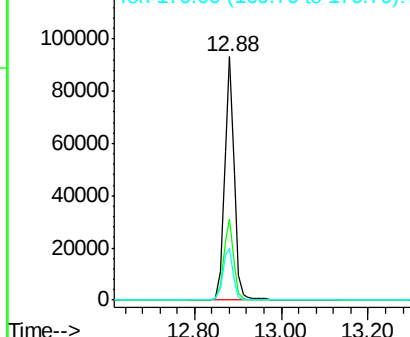
172 100

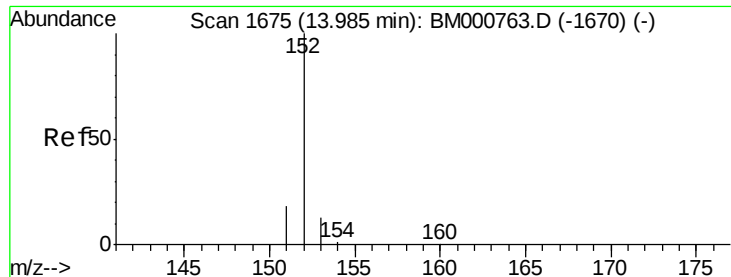
171 33.1 26.6 39.8

170 21.1 17.1 25.7



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





#10

Acenaphthylene

Concen: 0.01 ng

RT: 13.51 min Scan# 1647

Delta R.T. -0.46 min

Lab File: BM000903.D

Acq: 08 Apr 2015 11:30

Instrument :

BNA_M

ClientSampleID :

PB82494BL

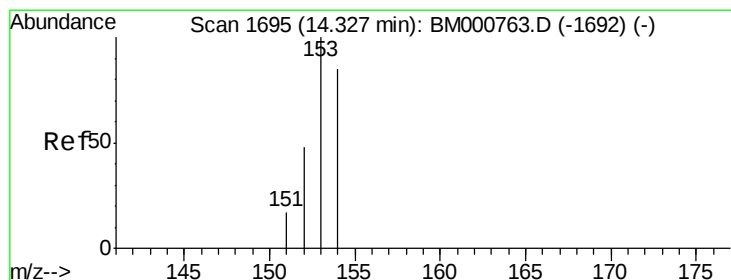
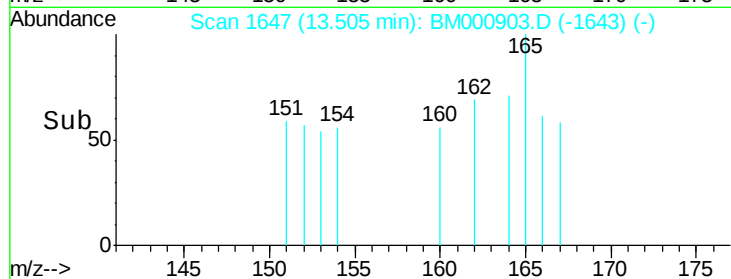
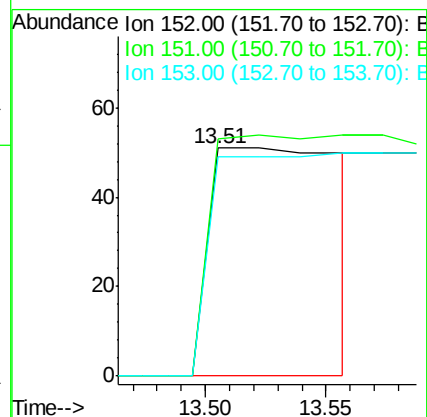
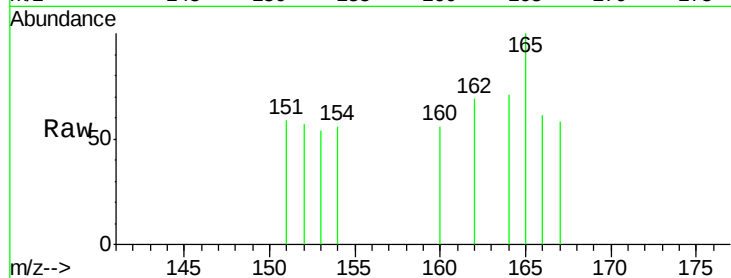
Tgt Ion:152 Resp: 187

Ion Ratio Lower Upper

152 100

151 164.7 15.1 22.7#

153 0.0 10.2 15.4#



#11

Acenaphthene

Concen: 0.02 ng

RT: 14.26 min Scan# 1691

Delta R.T. -0.07 min

Lab File: BM000903.D

Acq: 08 Apr 2015 11:30

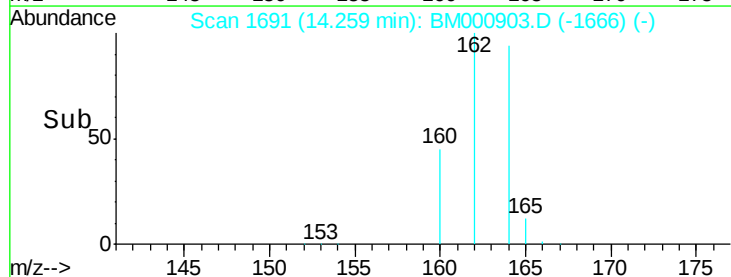
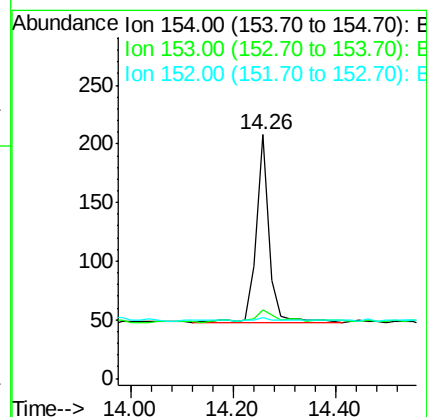
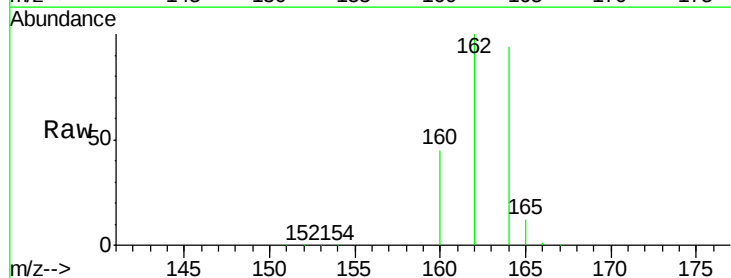
Tgt Ion:154 Resp: 279

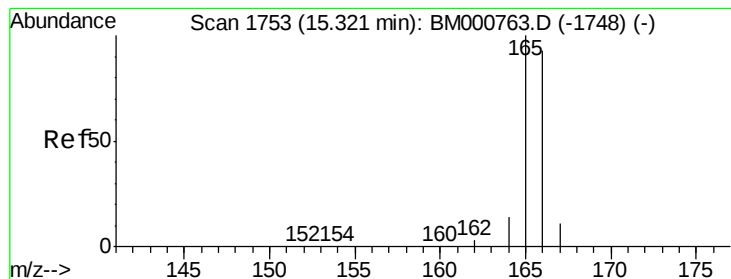
Ion Ratio Lower Upper

154 100

153 8.6 87.3 130.9#

152 5.4 43.0 64.6#





#12

Fluorene

Concen: 0.00 ng

RT: 15.32 min Scan# 1753

Delta R.T. -0.00 min

Lab File: BM000903.D

Acq: 08 Apr 2015 11:30

Instrument :

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ClientSampleID :

PB82494BL

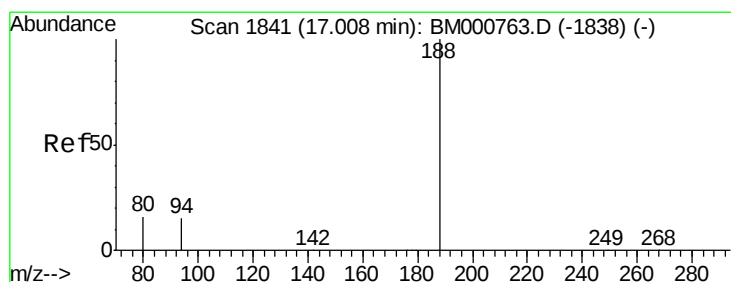
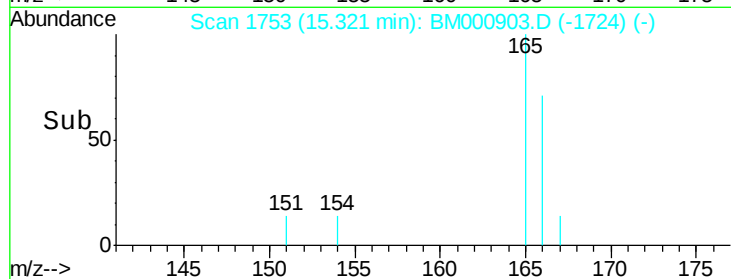
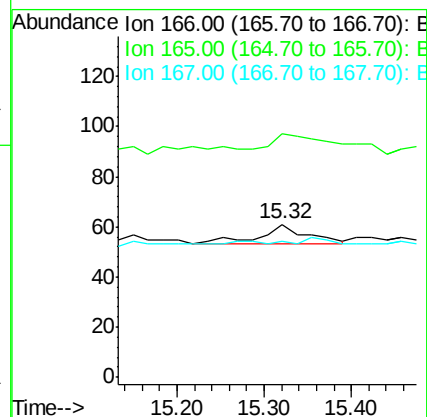
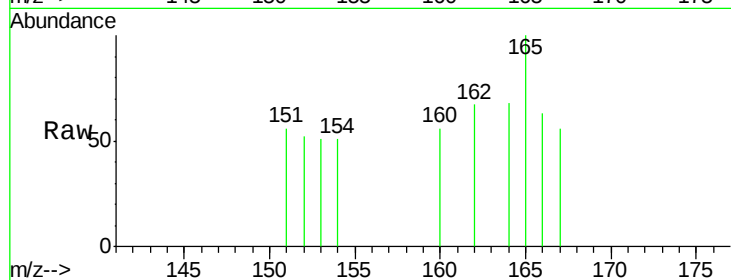
Tgt Ion:166 Resp: 33

Ion Ratio Lower Upper

166 100

165 127.3 78.2 117.2#

167 0.0 10.7 16.1#



#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.01 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BM000903.D

Acq: 08 Apr 2015 11:30

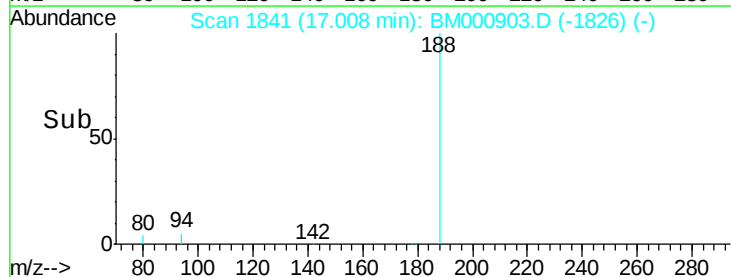
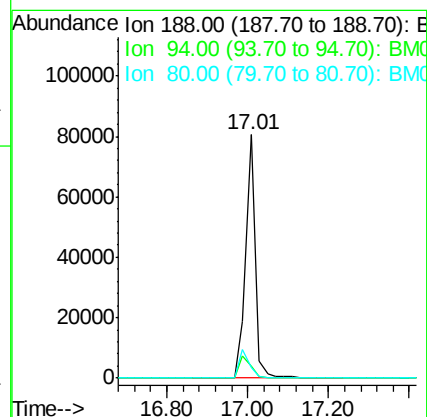
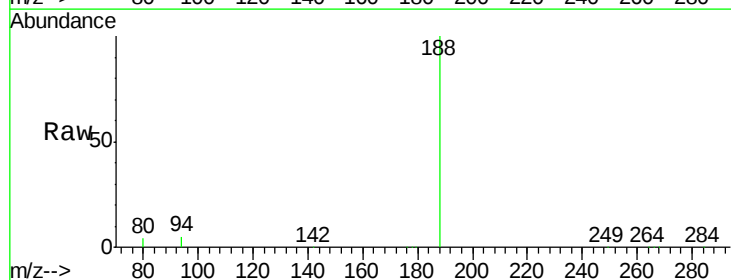
Tgt Ion:188 Resp: 134370

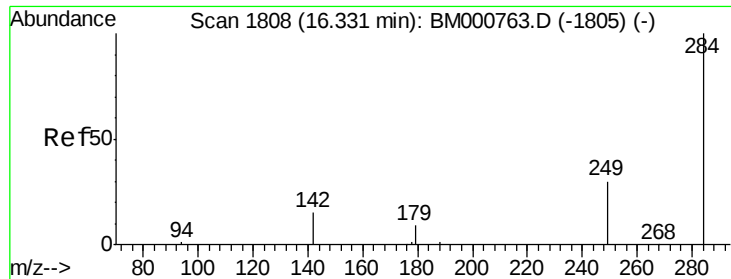
Ion Ratio Lower Upper

188 100

94 4.9 12.0 18.0#

80 4.4 12.8 19.2#

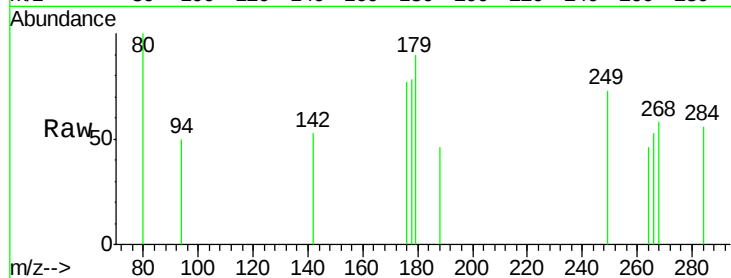




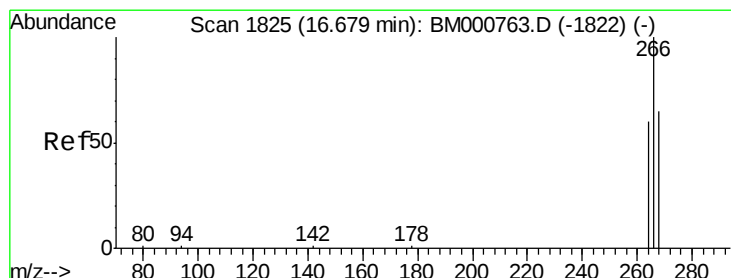
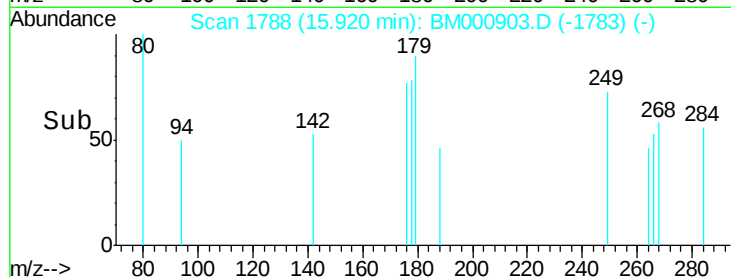
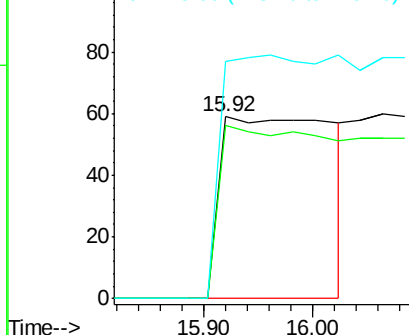
#14
Hexachlorobenzene
Concen: 0.05 ng
RT: 15.92 min Scan# 1788
Delta R.T. -0.41 min
Lab File: BM000903.D
Acq: 08 Apr 2015 11:30

Instrument :
BNA_M
ClientSampleId :
PB82494BL

Tgt Ion: 284 Resp: 407
Ion Ratio Lower Upper
284 100
142 92.6 0.0 0.0#
249 0.0 25.2 37.8#

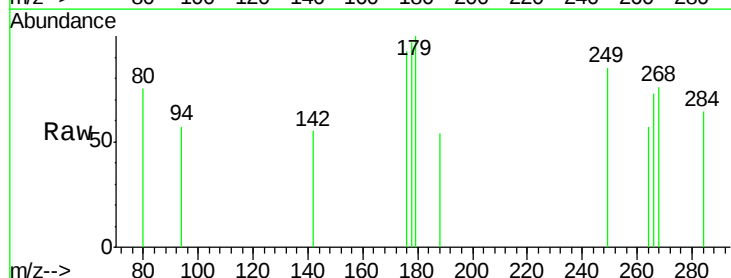


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

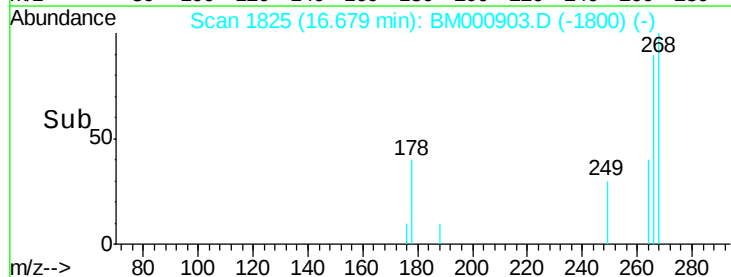
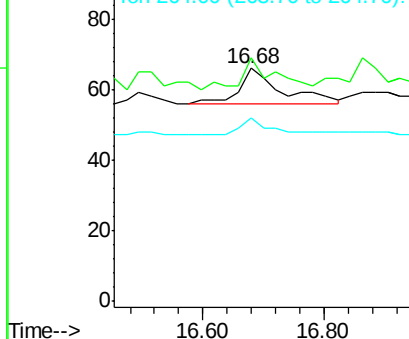


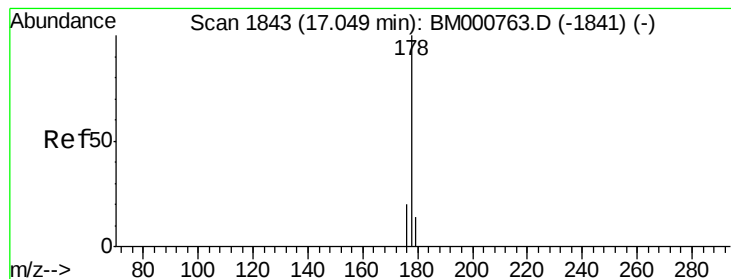
#15
Pentachlorophenol
Concen: 0.38 ng
RT: 16.68 min Scan# 1825
Delta R.T. 0.02 min
Lab File: BM000903.D
Acq: 08 Apr 2015 11:30

Tgt Ion: 266 Resp: 47
Ion Ratio Lower Upper
266 100
268 104.5 55.0 82.6#
264 78.8 51.0 76.4#



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





#16

Phenanthrene

Concen: 0.00 ng

RT: 17.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: BM000903.D

Acq: 08 Apr 2015 11:30

Instrument :

BNA_M

ClientSampleId :

PB82494BL

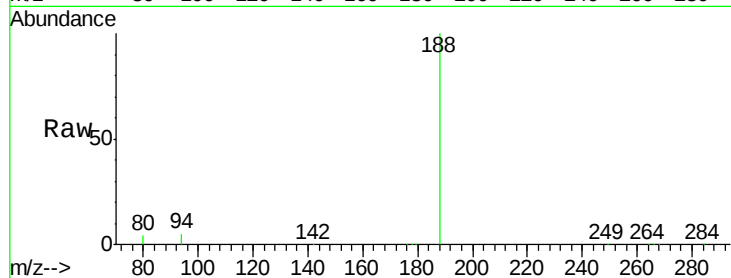
Tgt Ion:178 Resp: 97

Ion Ratio Lower Upper

178 100

176 0.0 15.3 22.9#

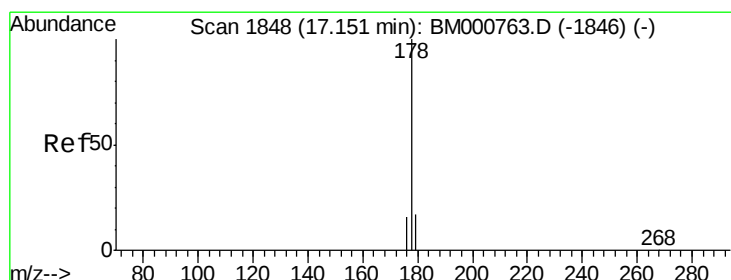
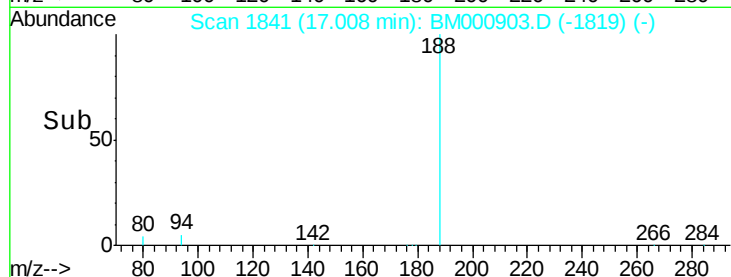
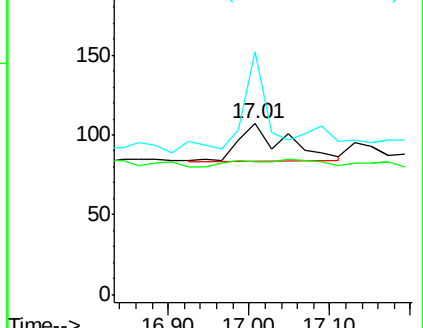
179 142.3 12.2 18.2#



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



#17

Anthracene

Concen: 0.00 ng

RT: 17.13 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BM000903.D

Acq: 08 Apr 2015 11:30

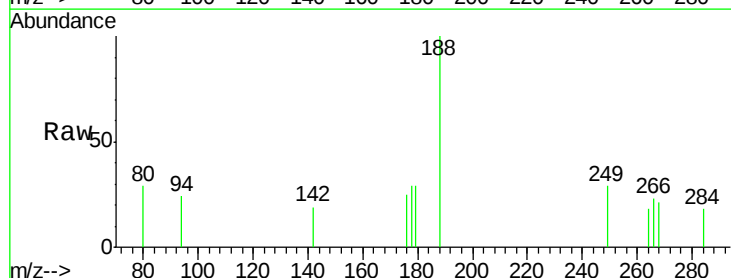
Tgt Ion:178 Resp: 42

Ion Ratio Lower Upper

178 100

176 0.0 14.6 22.0#

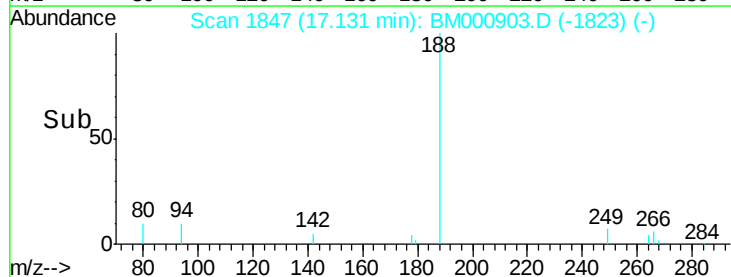
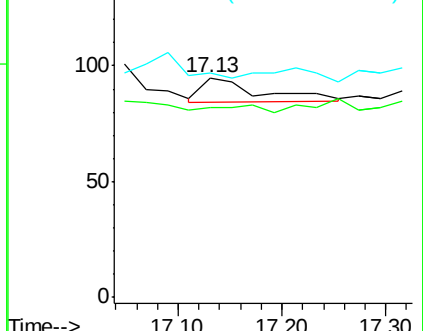
179 0.0 12.2 18.4#

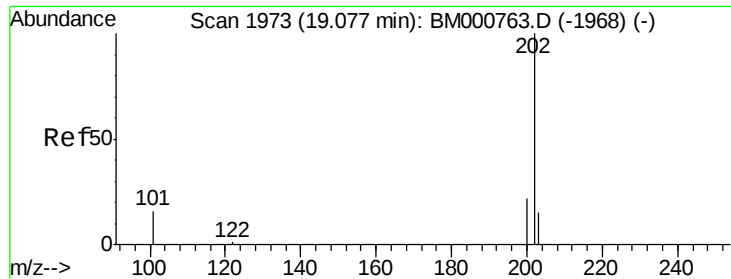


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

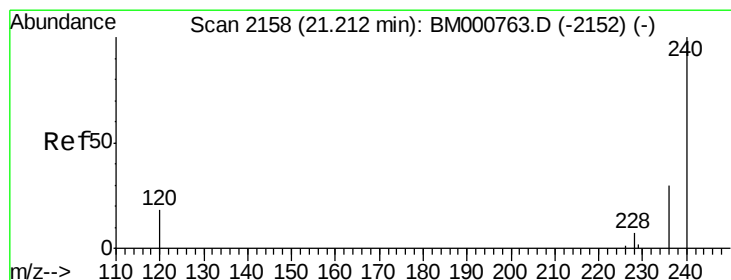
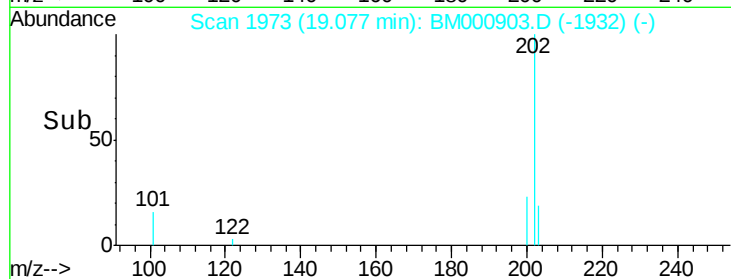
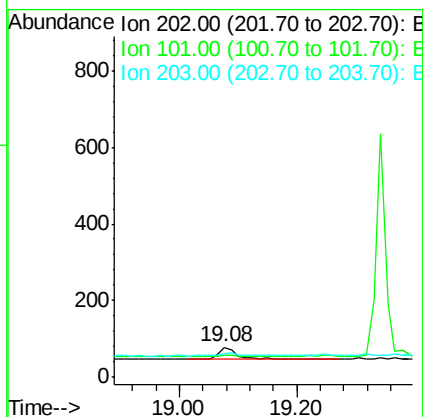
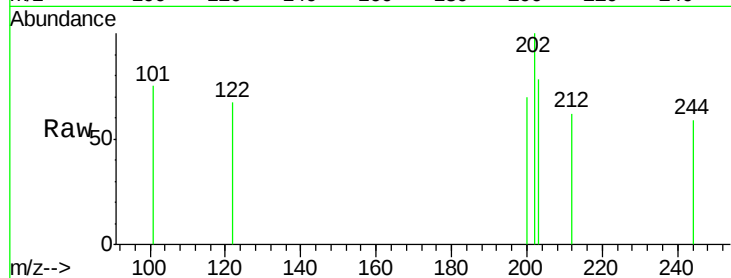




#18
 Fluoranthene
 Concen: 0.00 ng
 RT: 19.08 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: BM000903.D
 Acq: 08 Apr 2015 11:30

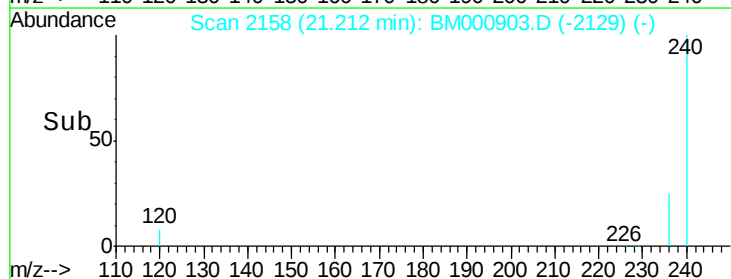
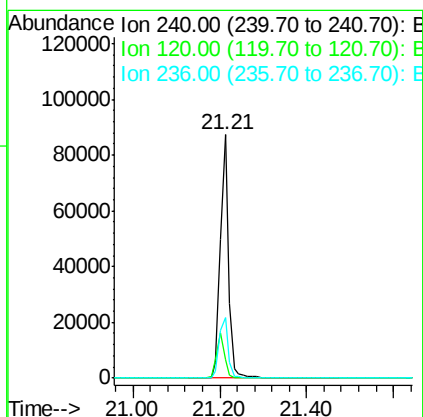
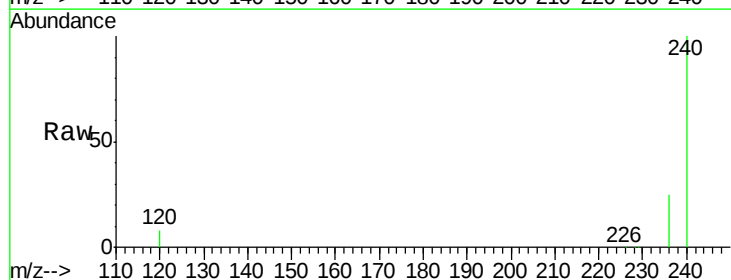
Instrument :
 BNA_M
 ClientSampleId :
 PB82494BL

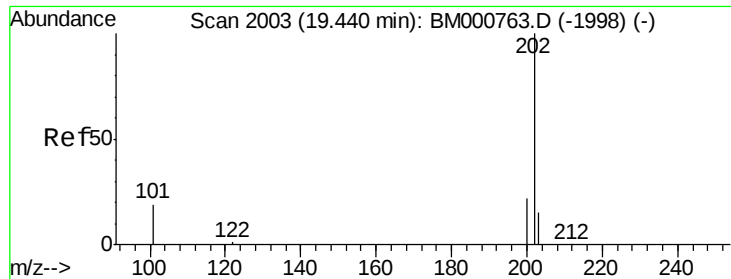
Tgt Ion: 202 Resp: 65
 Ion Ratio Lower Upper
 202 100
 101 0.0 10.5 15.7#
 203 26.2 13.8 20.8#



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: BM000903.D
 Acq: 08 Apr 2015 11:30

Tgt Ion: 240 Resp: 112383
 Ion Ratio Lower Upper
 240 100
 120 7.7 14.9 22.3#
 236 24.9 24.2 36.4

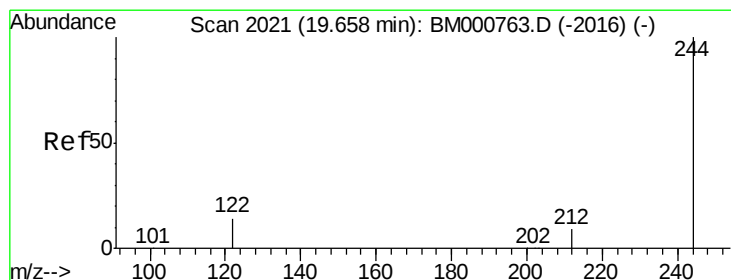
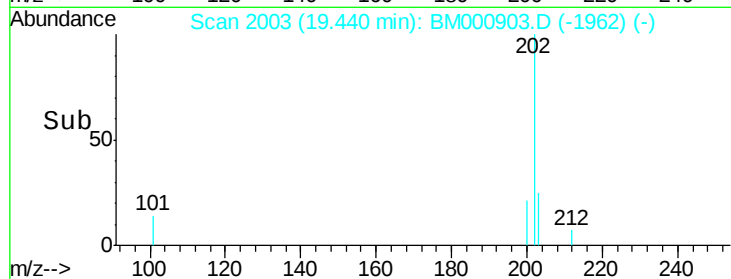
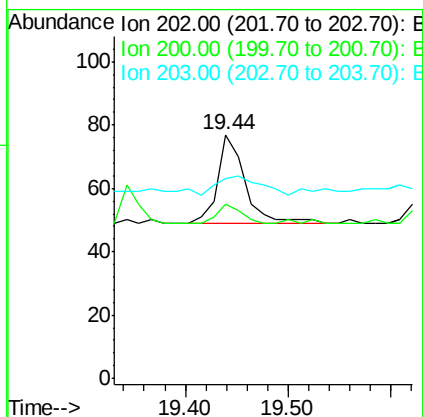
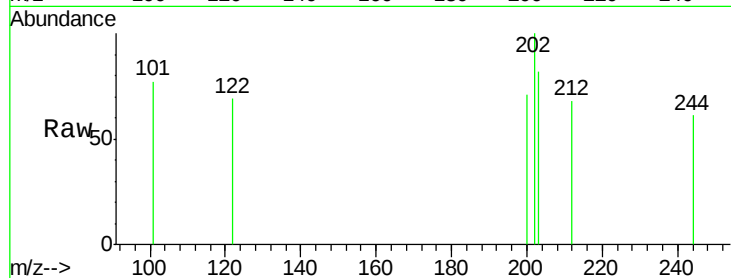




#20
Pyrene
Concen: 0.00 ng
RT: 19.44 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BM000903.D
Acq: 08 Apr 2015 11:30

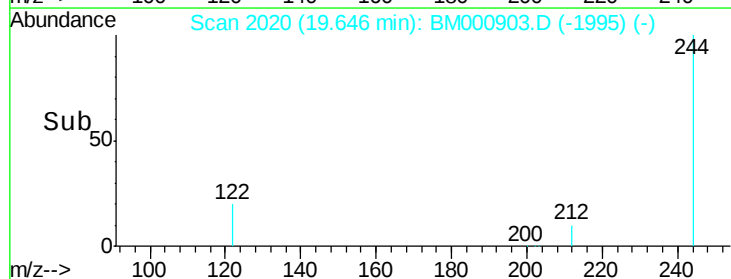
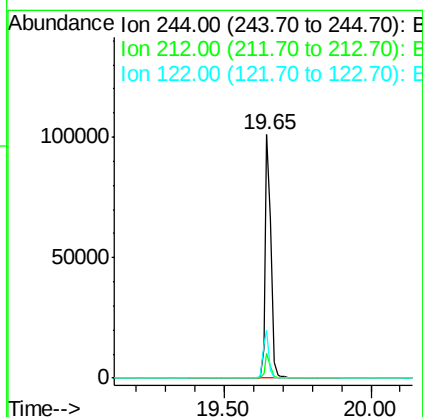
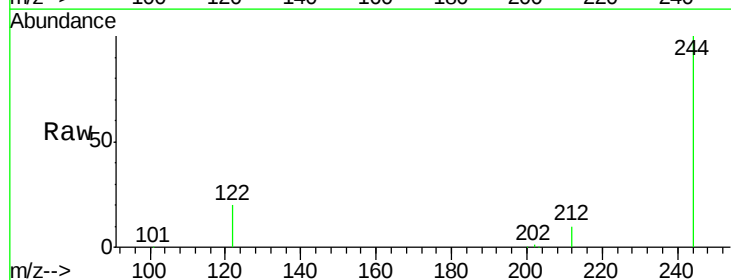
Instrument :
BNA_M
ClientSampleId :
PB82494BL

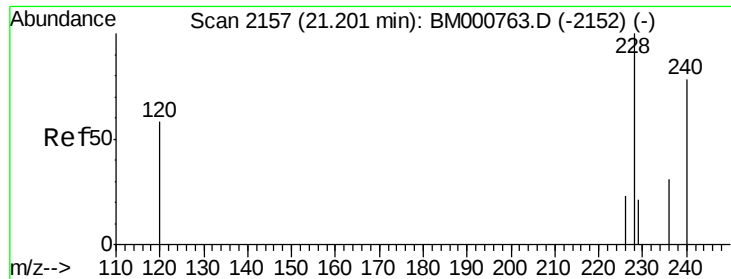
Tgt Ion:202 Resp: 52
Ion Ratio Lower Upper
202 100
200 0.0 16.2 24.2#
203 32.7 13.9 20.9#



#21
Terphenyl-d14
Concen: 10.25 ng
RT: 19.65 min Scan# 2020
Delta R.T. -0.00 min
Lab File: BM000903.D
Acq: 08 Apr 2015 11:30

Tgt Ion:244 Resp: 138580
Ion Ratio Lower Upper
244 100
212 10.1 7.8 11.6
122 19.8 11.8 17.8#





#22

Benzo(a)anthracene

Concen: 0.01 ng

RT: 21.20 min Scan# 2157

Delta R.T. 0.01 min

Lab File: BM000903.D

Acq: 08 Apr 2015 11:30

Instrument :

BNA_M

ClientSampleId :

PB82494BL

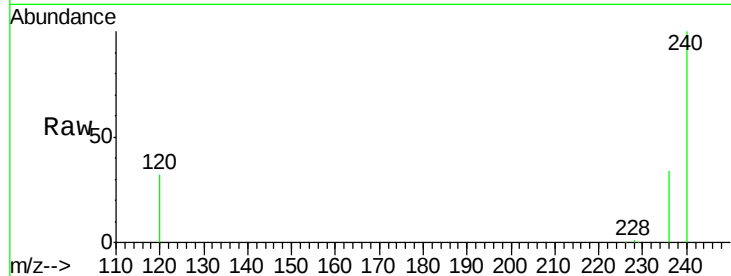
Tgt Ion:228 Resp: 443

Ion Ratio Lower Upper

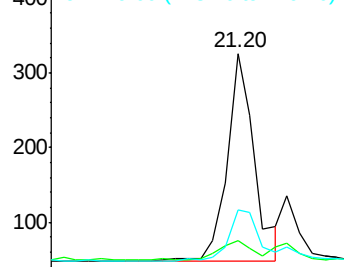
228 100

226 23.0 18.6 27.8

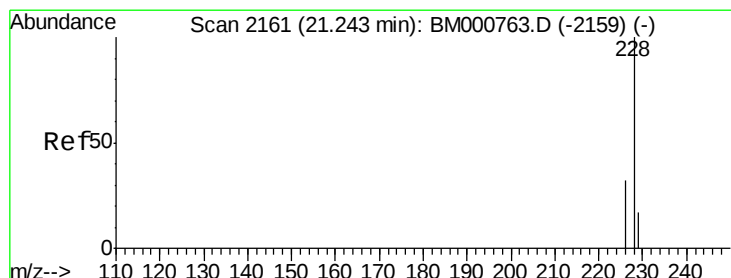
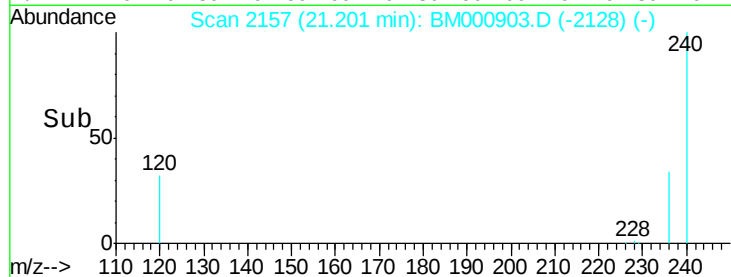
229 35.9 17.2 25.8#



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-->



#23

Chrysene

Concen: 0.01 ng

RT: 21.20 min Scan# 2157

Delta R.T. -0.04 min

Lab File: BM000903.D

Acq: 08 Apr 2015 11:30

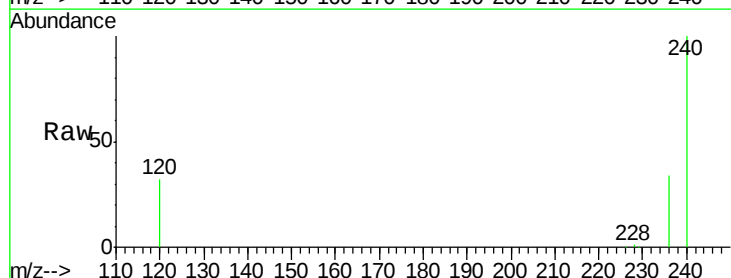
Tgt Ion:228 Resp: 443

Ion Ratio Lower Upper

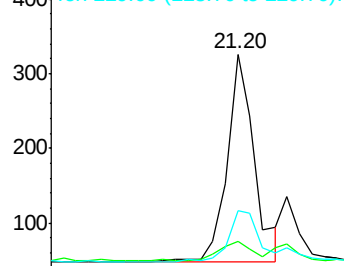
228 100

226 23.0 25.8 38.8#

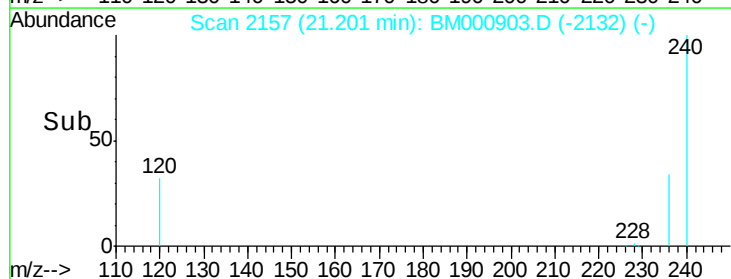
229 35.9 13.8 20.6#

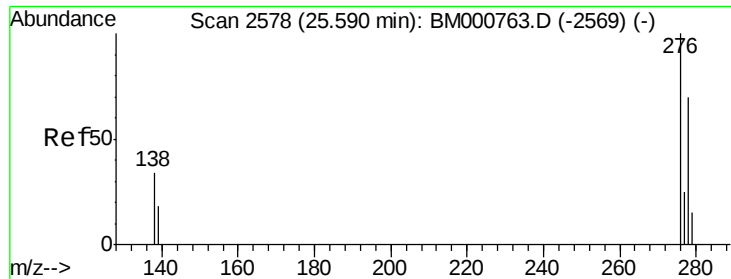


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->

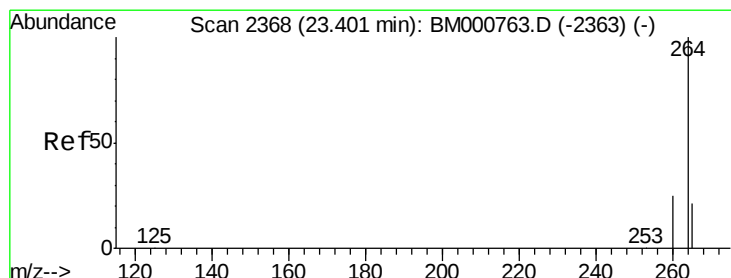
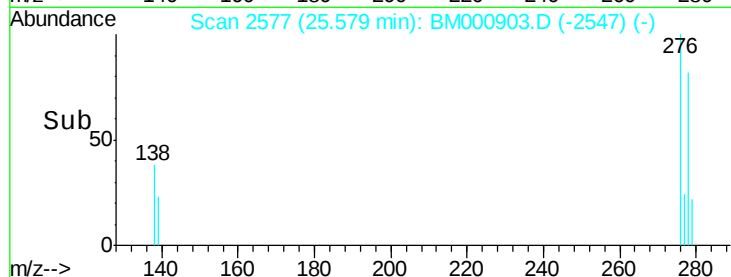
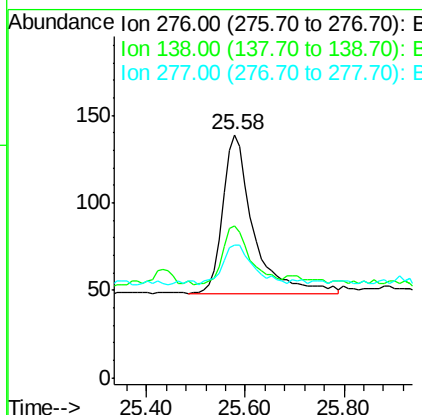
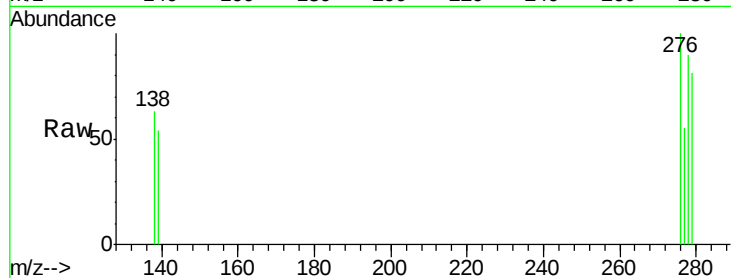




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.01 ng
 RT: 25.58 min Scan# 2577
 Delta R.T. 0.01 min
 Lab File: BM000903.D
 Acq: 08 Apr 2015 11:30

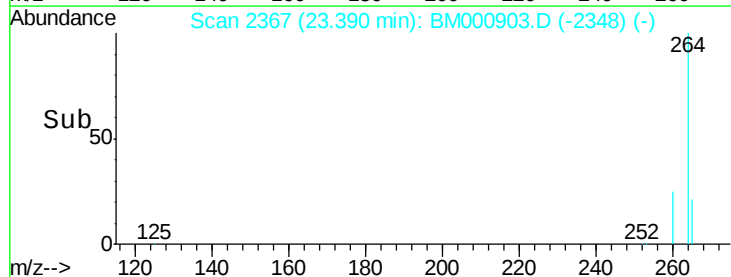
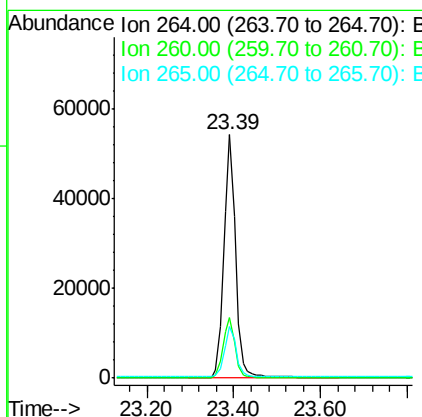
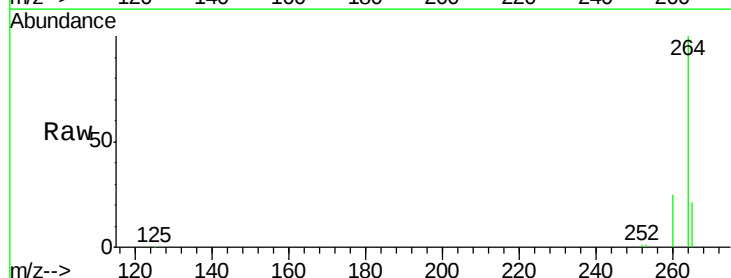
Instrument :
 BNA_M
 ClientSampleId :
 PB82494BL

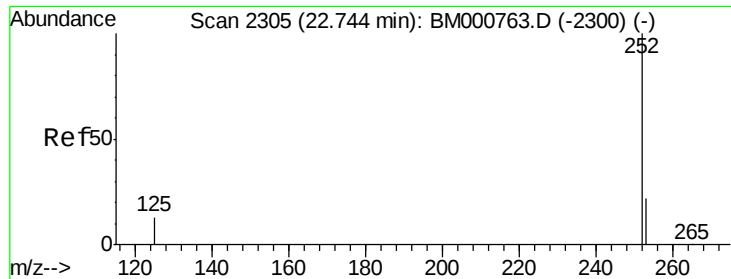
Tgt Ion: 276 Resp: 388
 Ion Ratio Lower Upper
 276 100
 138 33.8 27.4 41.2
 277 25.3 19.7 29.5



#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.39 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: BM000903.D
 Acq: 08 Apr 2015 11:30

Tgt Ion: 264 Resp: 101676
 Ion Ratio Lower Upper
 264 100
 260 24.9 20.1 30.1
 265 21.3 17.4 26.0

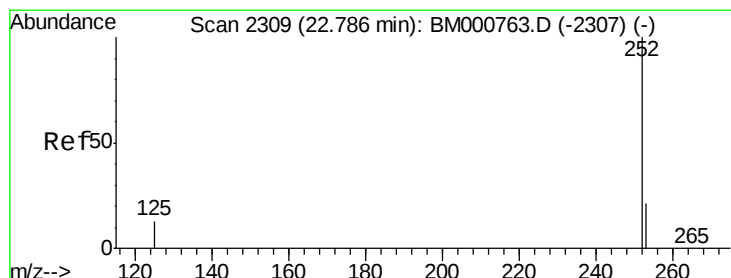
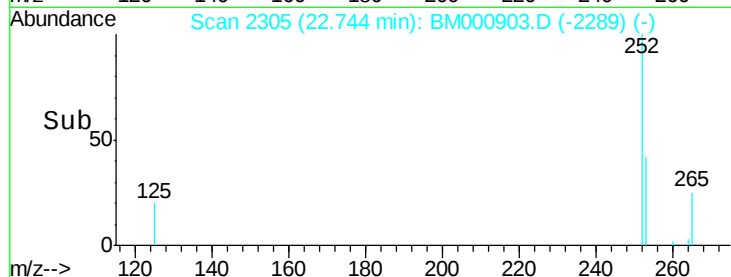
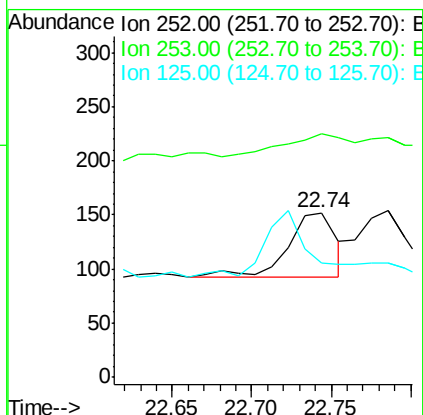
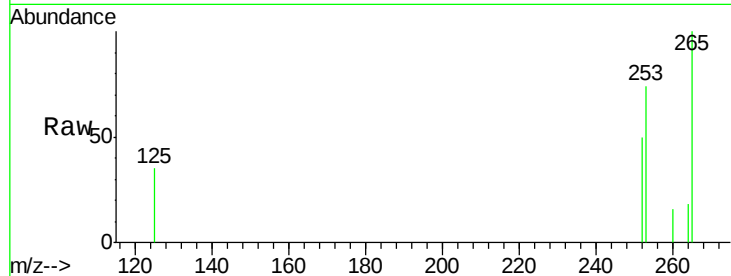




#26
Benzo(b)fluoranthene
Concen: 0.00 ng
RT: 22.74 min Scan# 2305
Delta R.T. 0.01 min
Lab File: BM000903.D
Acq: 08 Apr 2015 11:30

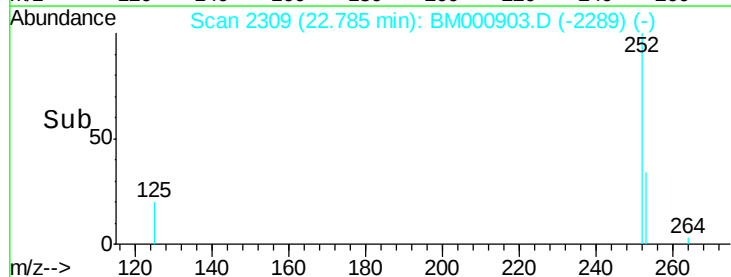
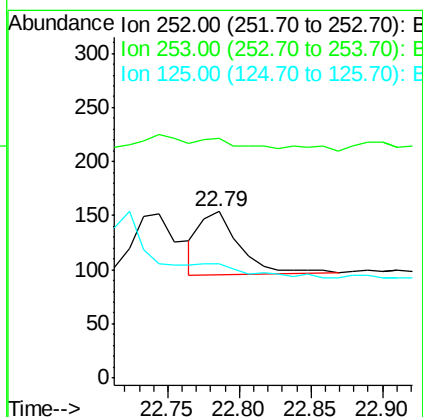
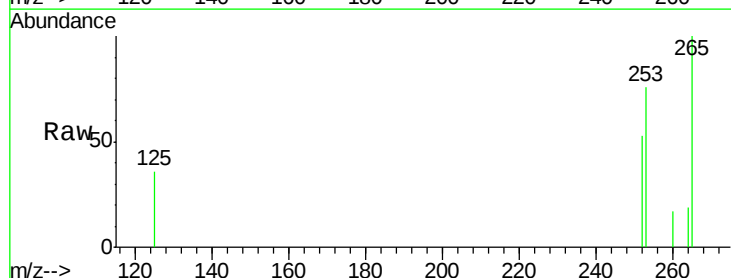
Instrument :
BNA_M
ClientSampleId :
PB82494BL

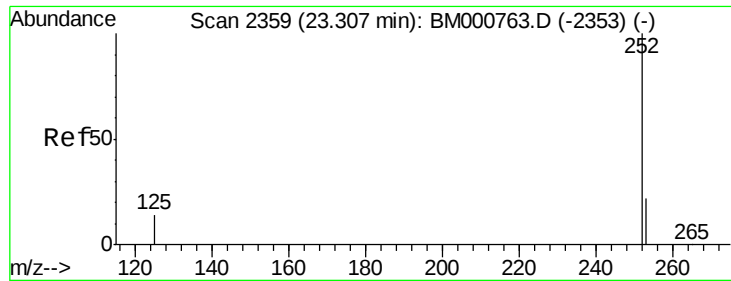
Tgt Ion:252 Resp: 128
Ion Ratio Lower Upper
252 100
253 148.0 18.5 27.7#
125 69.1 10.6 16.0#



#27
Benzo(k)fluoranthene
Concen: 0.00 ng
RT: 22.79 min Scan# 2309
Delta R.T. 0.01 min
Lab File: BM000903.D
Acq: 08 Apr 2015 11:30

Tgt Ion:252 Resp: 112
Ion Ratio Lower Upper
252 100
253 143.5 17.9 26.9#
125 68.2 10.8 16.2#





#28

Benzo(a)pyrene

Concen: 0.00 ng

RT: 23.30 min Scan# 2358

Delta R.T. 0.01 min

Lab File: BM000903.D

Acq: 08 Apr 2015 11:30

Instrument :

BNA_M

ClientSampleID :

PB82494BL

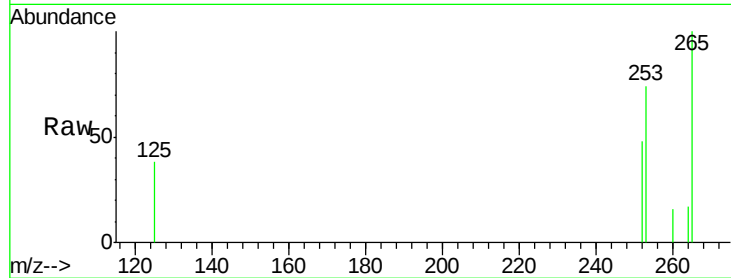
Tgt Ion: 252 Resp: 128

Ion Ratio Lower Upper

252 100

253 154.4 19.4 29.2#

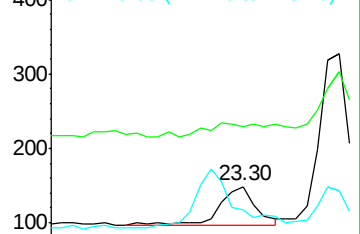
125 78.5 11.5 17.3#



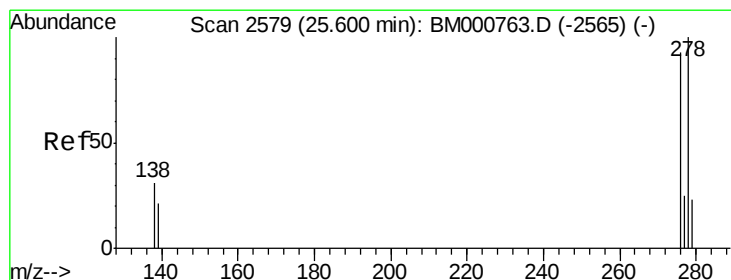
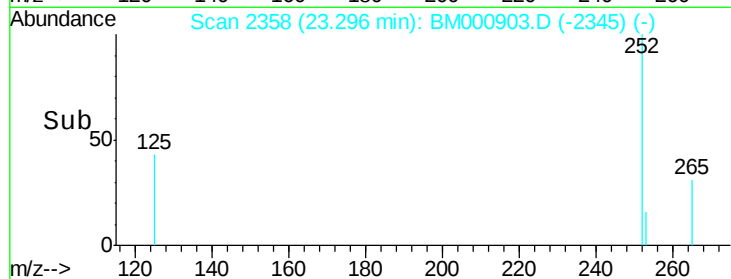
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#29

Dibenzo(a,h)anthracene

Concen: 0.01 ng

RT: 25.59 min Scan# 2578

Delta R.T. 0.01 min

Lab File: BM000903.D

Acq: 08 Apr 2015 11:30

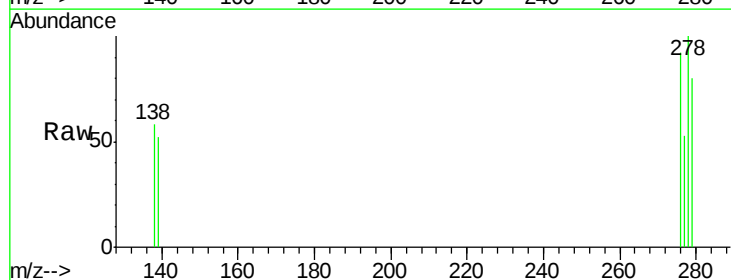
Tgt Ion: 278 Resp: 375

Ion Ratio Lower Upper

278 100

139 51.7 17.8 26.6#

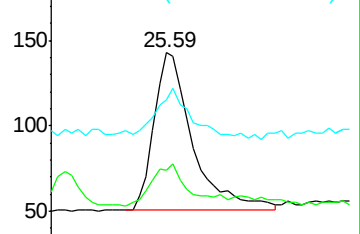
279 80.4 19.3 28.9#



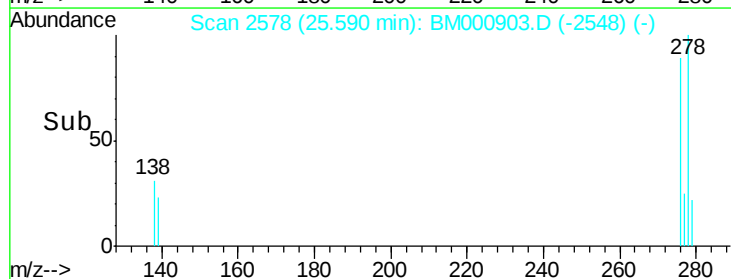
Abundance Ion 278.00 (277.70 to 278.70): E

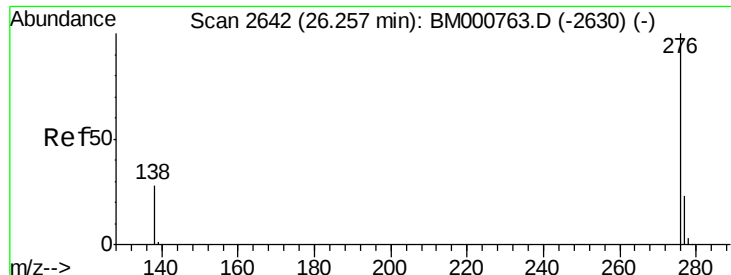
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#30

Benzo(g,h,i)perylene

Concen: 0.01 ng

RT: 26.25 min Scan# 2641

Delta R.T. 0.02 min

Lab File: BM000903.D

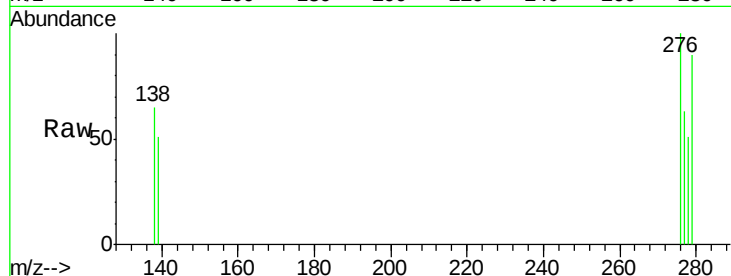
Acq: 08 Apr 2015 11:30

Instrument :

BNA_M

ClientSampleId :

PB82494BL



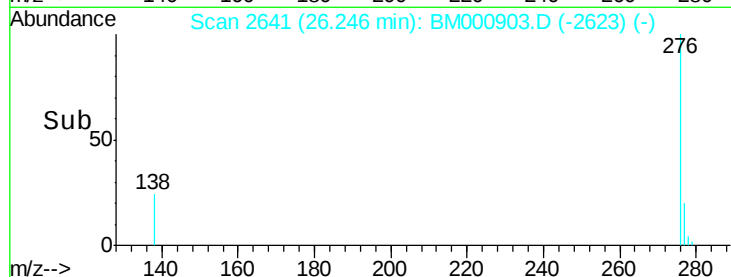
Tgt Ion: 276 Resp: 226

Ion Ratio Lower Upper

276 100

277 62.5 19.1 28.7#

138 65.4 23.1 34.7#



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

