

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040815\
 Data File : BM000910.D
 Acq On : 08 Apr 2015 15:39
 Operator : TP/IZ
 Sample : G1742-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 FB

Quant Time: Apr 09 03:46:44 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	26227	5.00	ng	0.00
4) Naphthalene-d8	10.39	136	90035	5.00	ng	0.00
8) Acenaphthene-d10	14.26	164	45818	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	101972	5.00	ng	0.00
19) Chrysene-d12	21.21	240	87160	5.00	ng	0.00
25) Perylene-d12	23.39	264	77990	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.76	82	40401	7.33	ng	0.00
9) 2-Fluorobiphenyl	12.88	172	126679	8.91	ng	0.00
21) Terphenyl-d14	19.65	244	110708	10.56	ng	0.00

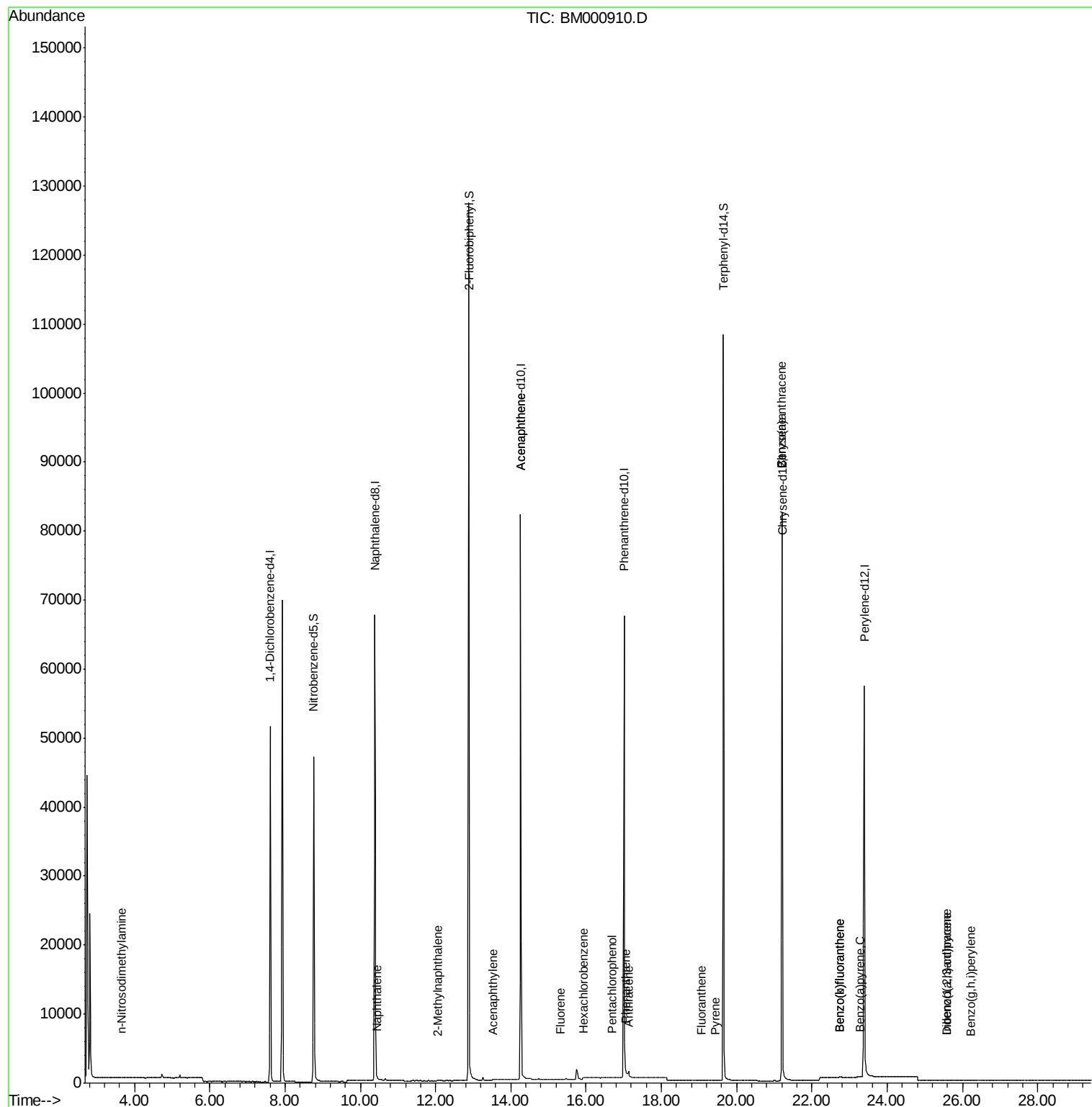
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.66	42	7	0.16	ng	# 15
6) Naphthalene	10.44	128	129	0.01	ng	# 5
7) 2-Methylnaphthalene	12.07	142	28	0.00	ng	# 29
10) Acenaphthylene	13.52	152	291	0.01	ng	# 1
11) Acenaphthene	14.26	154	212	0.02	ng	# 10
12) Fluorene	15.32	166	39	0.00	ng	# 41
14) Hexachlorobenzene	15.92	284	189	0.03	ng	# 43
15) Pentachlorophenol	16.68	266	14	0.37	ng	# 63
16) Phenanthrene	17.05	178	208	0.01	ng	# 80
17) Anthracene	17.13	178	44	0.00	ng	# 46
18) Fluoranthene	19.08	202	98	0.00	ng	# 91
20) Pyrene	19.44	202	97	0.00	ng	# 87
22) Benzo(a)anthracene	21.20	228	405	0.02	ng	# 77
23) Chrysene	21.20	228	405	0.02	ng	# 74
24) Indeno(1,2,3-cd)pyrene	25.58	276	128	0.00	ng	# 91
26) Benzo(b)fluoranthene	22.74	252	81	0.00	ng	# 1
27) Benzo(k)fluoranthene	22.74	252	81	0.00	ng	# 1
28) Benzo(a)pyrene	23.29	252	61	0.00	ng	# 1
29) Dibenzo(a,h)anthracene	25.59	278	123	0.01	ng	# 1
30) Benzo(g,h,i)perylene	26.23	276	82	0.00	ng	# 1

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

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Quant Time: Apr 09 03:46:44 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



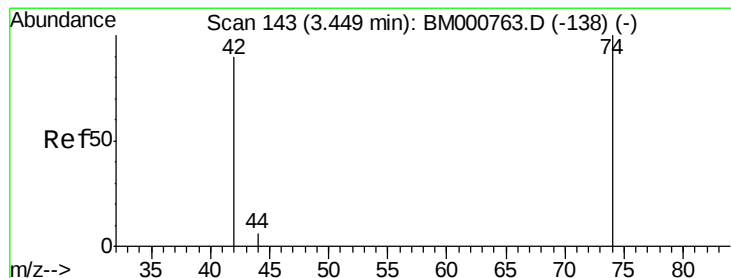
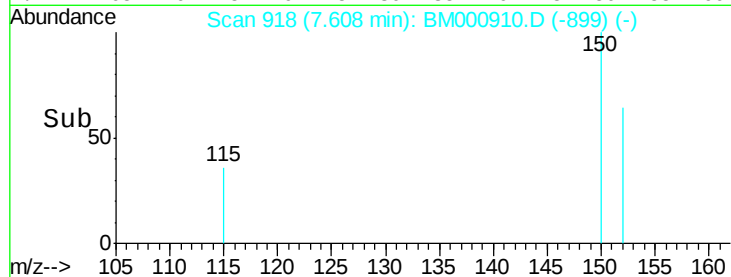
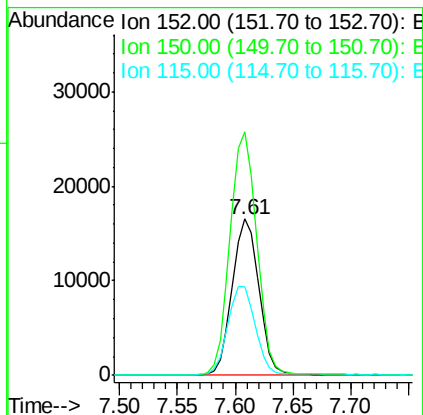
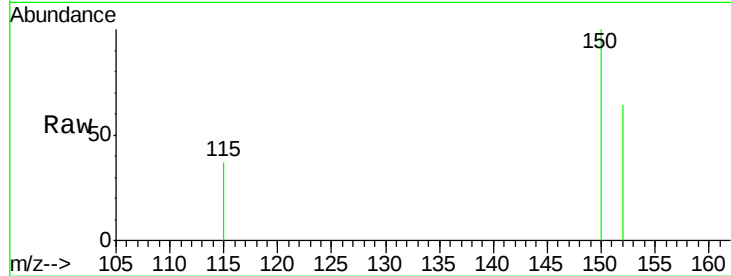


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.61 min Scan# 918
Delta R.T. -0.00 min
Lab File: BM000910.D
Acq: 08 Apr 2015 15:39

Instrument :
BNA_M
ClientSampleId :
FB

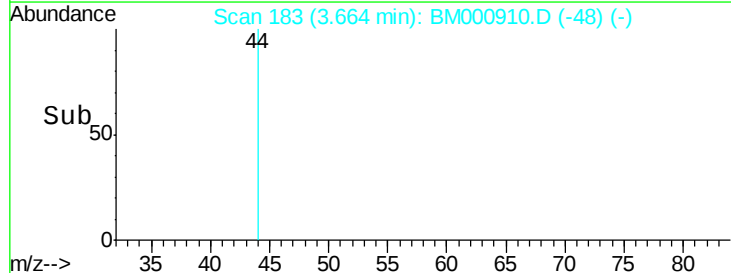
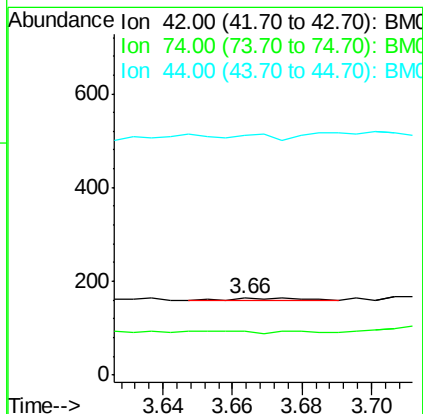
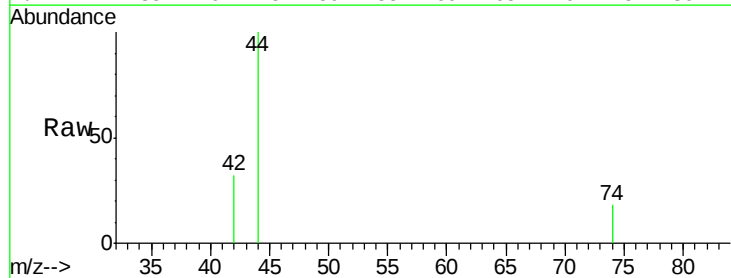
Tgt Ion: 152 Resp: 26227
Ion Ratio Lower Upper
152 100
150 155.8 120.8 181.2
115 57.0 42.7 64.1



#3

n-Nitrosodimethylamine
Concen: 0.16 ng
RT: 3.66 min Scan# 183
Delta R.T. 0.23 min
Lab File: BM000910.D
Acq: 08 Apr 2015 15:39

Tgt Ion: 42 Resp: 7
Ion Ratio Lower Upper
42 100
74 42.9 93.6 140.4#
44 128.6 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: BM000910.D

Acq: 08 Apr 2015 15:39

Instrument :

BNA_M

ClientSampleId :

FB

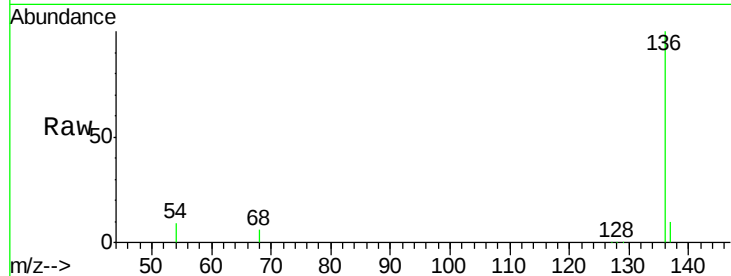
Tgt Ion:136 Resp: 90035

Ion Ratio Lower Upper

136 100

137 10.5 8.6 12.8

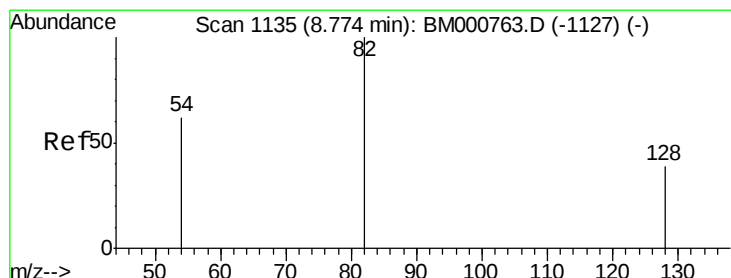
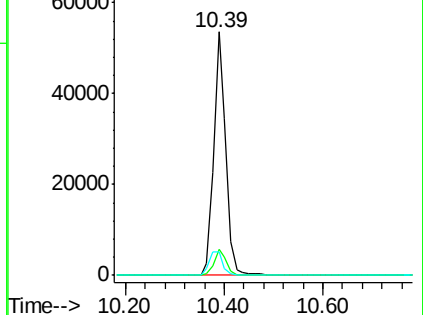
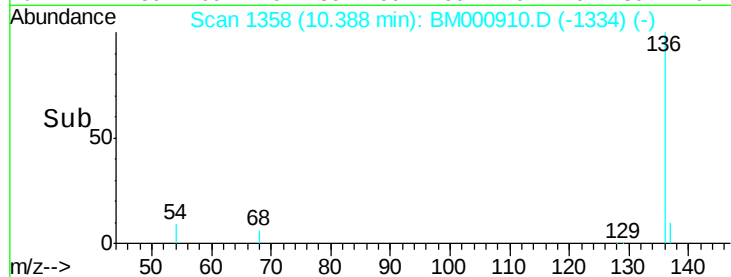
54 9.5 7.0 10.6



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



#5

Nitrobenzene-d5

Concen: 7.33 ng

RT: 8.76 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BM000910.D

Acq: 08 Apr 2015 15:39

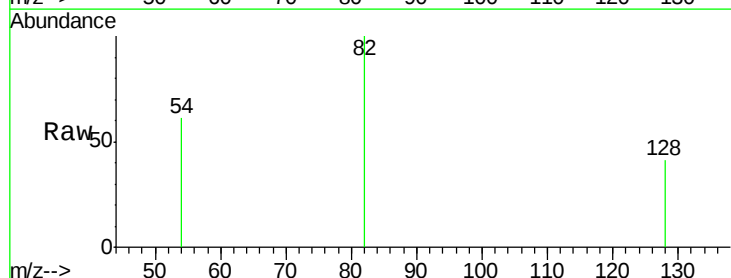
Tgt Ion: 82 Resp: 40401

Ion Ratio Lower Upper

82 100

128 40.7 32.2 48.2

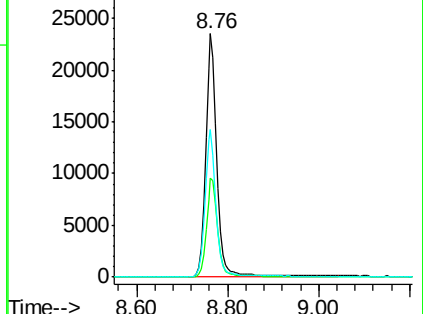
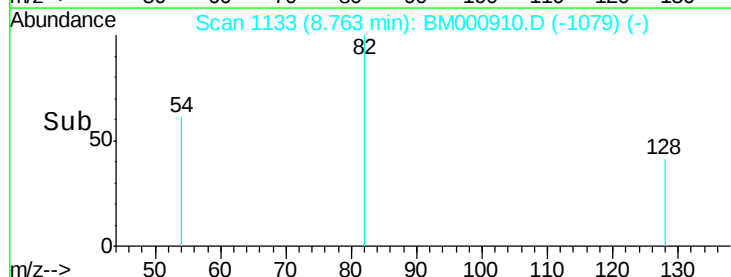
54 60.6 50.2 75.4



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





#6

Naphthalene

Concen: 0.01 ng

RT: 10.44 min Scan# 1362

Delta R.T. -0.00 min

Lab File: BM000910.D

Acq: 08 Apr 2015 15:39

Instrument :

BNA_M

ClientSampleId :

FB

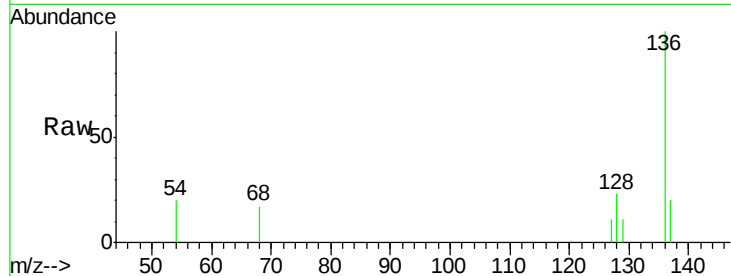
Tgt Ion:128 Resp: 129

Ion Ratio Lower Upper

128 100

129 48.3 8.9 13.3#

127 49.2 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

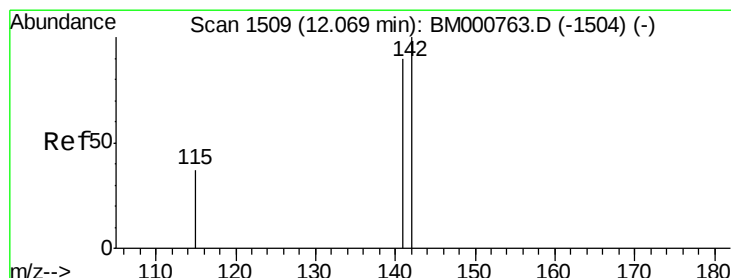
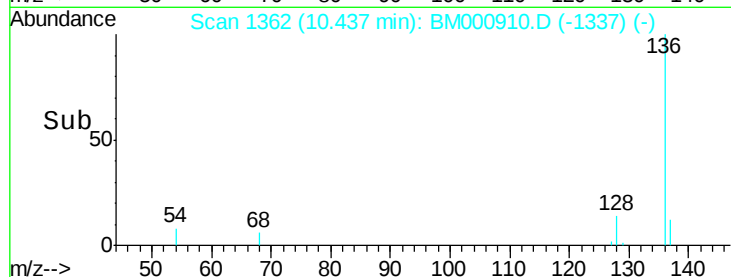
10.44

100

50

0

Time--> 10.30 10.40 10.50



#7

2-Methylnaphthalene

Concen: 0.00 ng

RT: 12.07 min Scan# 1509

Delta R.T. 0.01 min

Lab File: BM000910.D

Acq: 08 Apr 2015 15:39

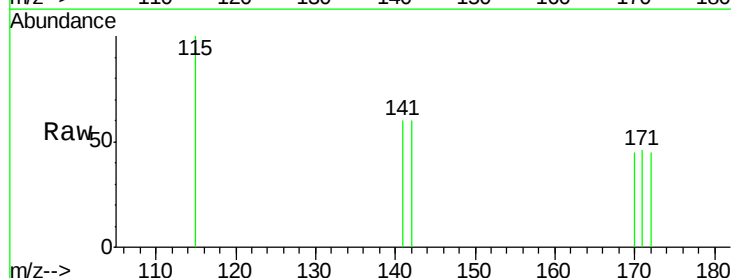
Tgt Ion:142 Resp: 28

Ion Ratio Lower Upper

142 100

141 100.0 72.3 108.5

115 167.7 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

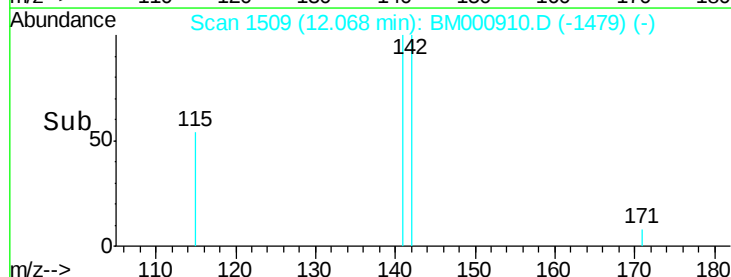
12.07

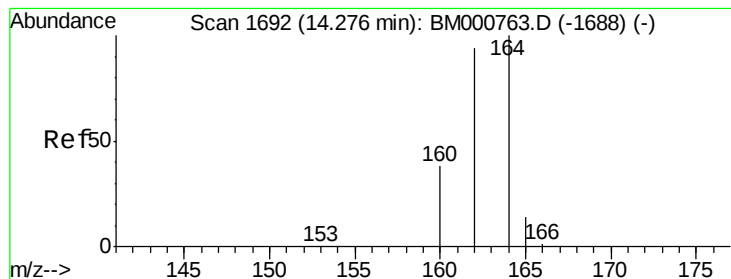
100

50

0

Time--> 12.00 12.05 12.10 12.15





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.26 min Scan# 1691

Delta R.T. -0.00 min

Lab File: BM000910.D

Acq: 08 Apr 2015 15:39

Instrument :

BNA_M

ClientSampleId :

FB

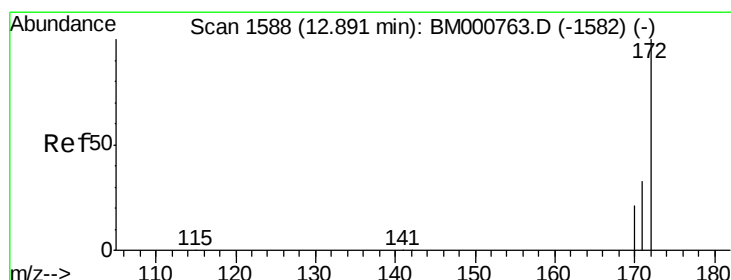
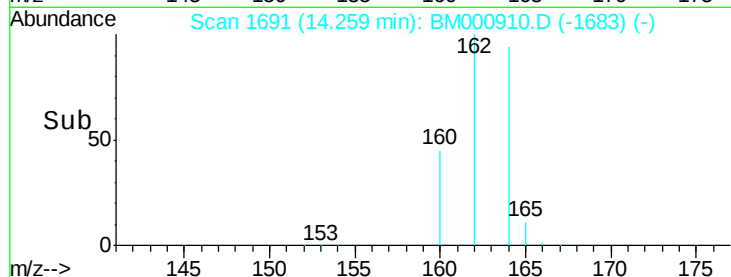
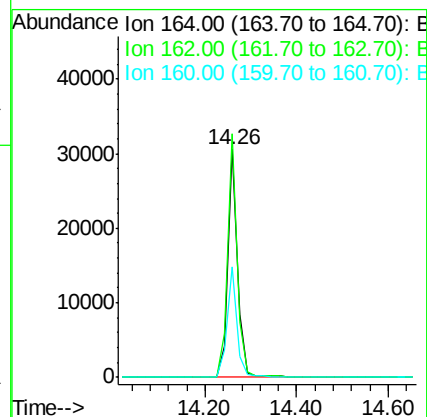
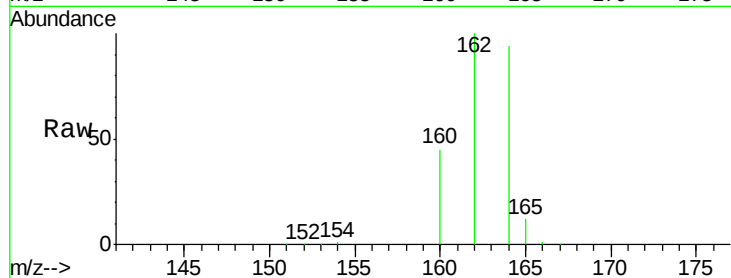
Tgt Ion:164 Resp: 45818

Ion Ratio Lower Upper

164 100

162 106.7 75.4 113.2

160 48.2 30.8 46.2#



#9

2-Fluorobiphenyl

Concen: 8.91 ng

RT: 12.88 min Scan# 1587

Delta R.T. -0.00 min

Lab File: BM000910.D

Acq: 08 Apr 2015 15:39

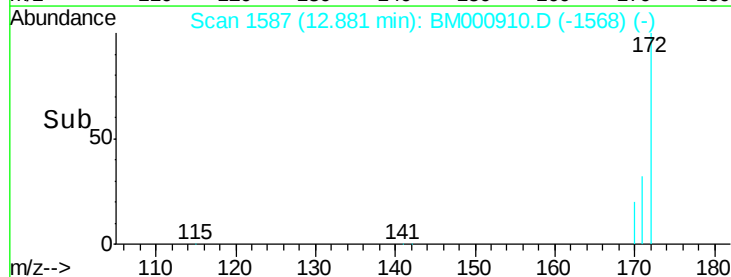
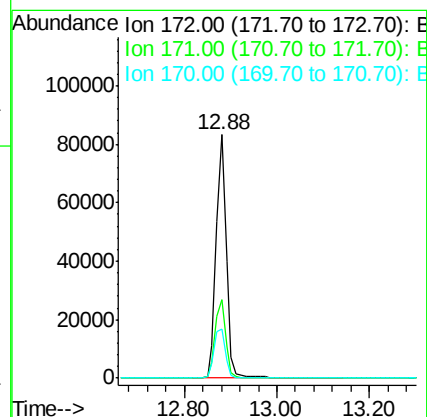
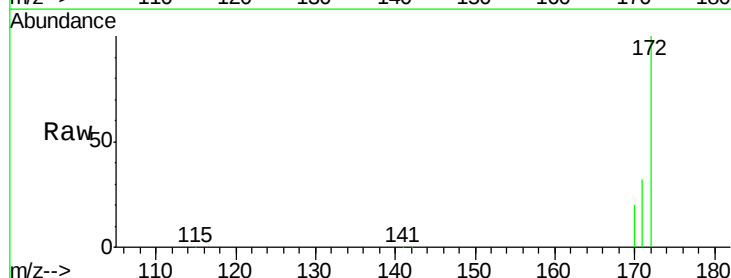
Tgt Ion:172 Resp: 126679

Ion Ratio Lower Upper

172 100

171 32.3 26.6 39.8

170 20.2 17.1 25.7





#10

Acenaphthylene

Concen: 0.01 ng

RT: 13.52 min Scan# 1648

Delta R.T. -0.45 min

Lab File: BM000910.D

Acq: 08 Apr 2015 15:39

Instrument :

BNA_M

ClientSampleId :

FB

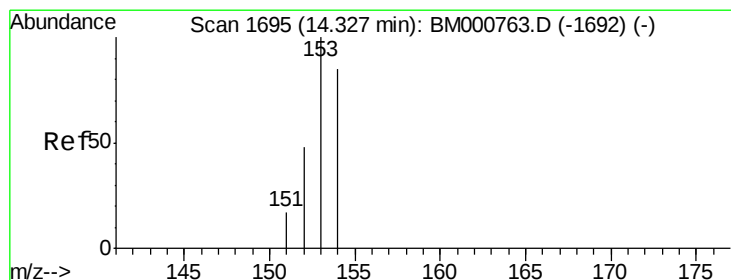
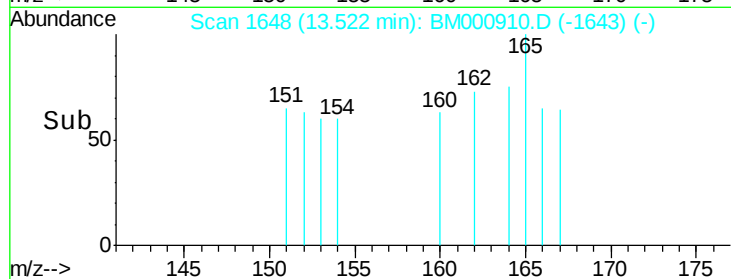
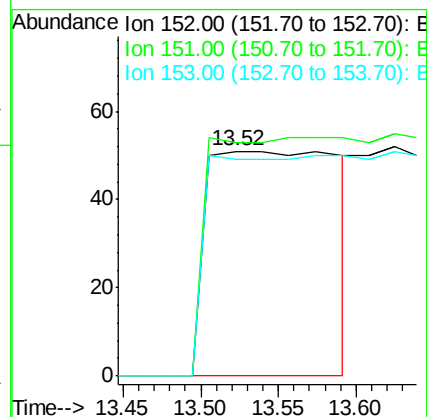
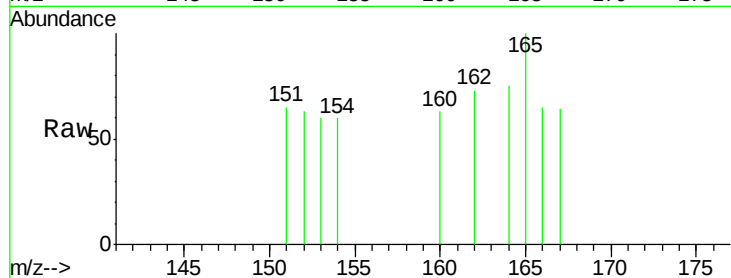
Tgt Ion:152 Resp: 291

Ion Ratio Lower Upper

152 100

151 125.1 15.1 22.7#

153 45.4 10.2 15.4#



#11

Acenaphthene

Concen: 0.02 ng

RT: 14.26 min Scan# 1691

Delta R.T. -0.07 min

Lab File: BM000910.D

Acq: 08 Apr 2015 15:39

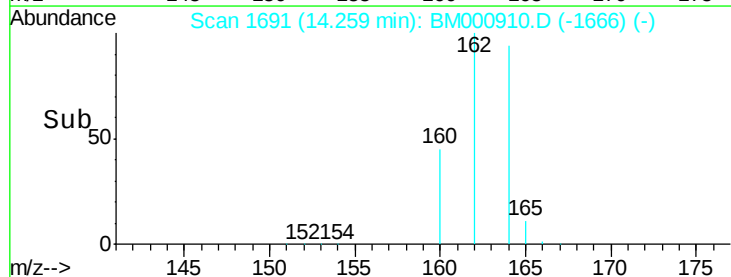
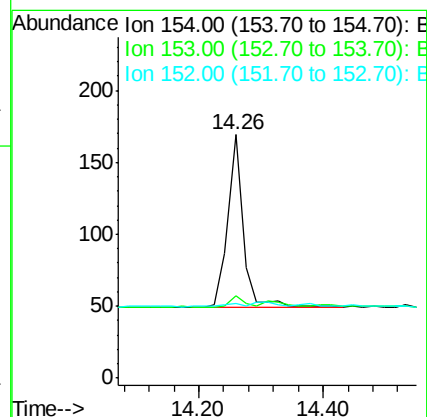
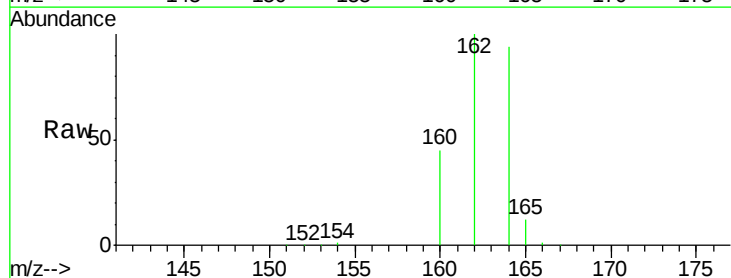
Tgt Ion:154 Resp: 212

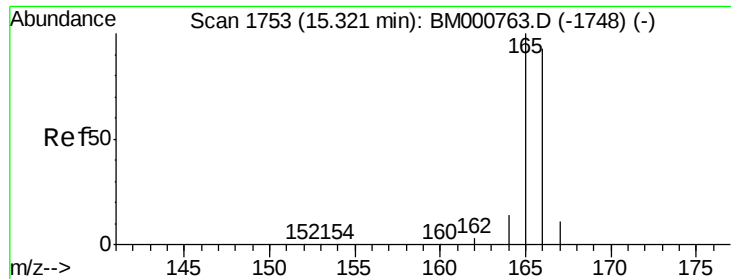
Ion Ratio Lower Upper

154 100

153 6.1 87.3 130.9#

152 0.0 43.0 64.6#





#12

Fluorene

Concen: 0.00 ng

RT: 15.32 min Scan# 1753

Delta R.T. -0.00 min

Lab File: BM000910.D

Acq: 08 Apr 2015 15:39

Instrument :

BNA_M

ClientSampleId :

FB

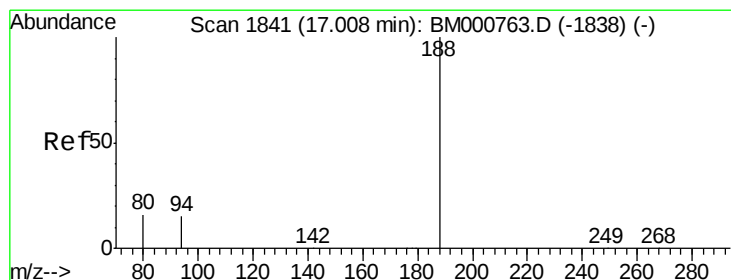
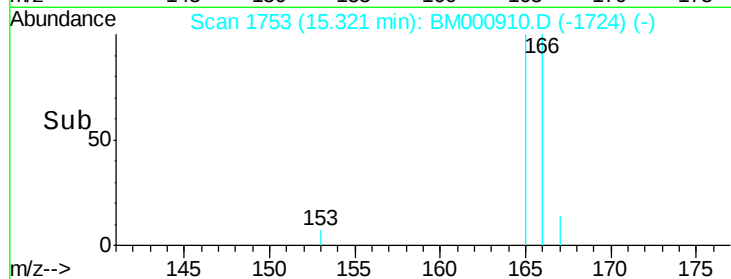
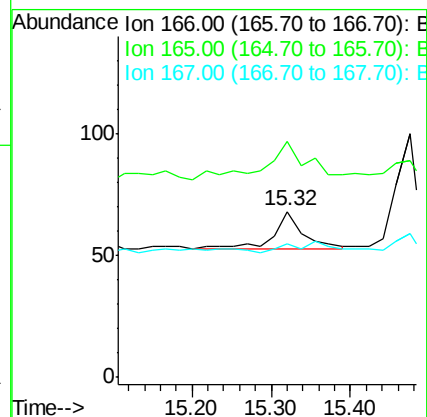
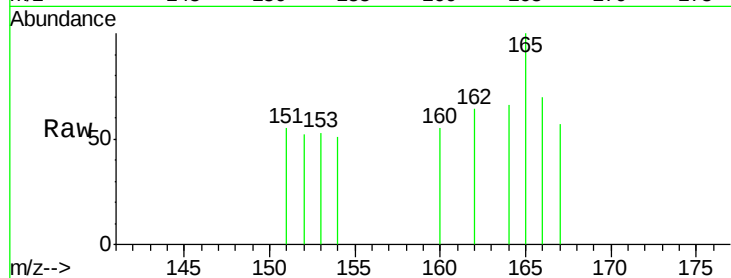
Tgt Ion:166 Resp: 39

Ion Ratio Lower Upper

166 100

165 159.0 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: BM000910.D

Acq: 08 Apr 2015 15:39

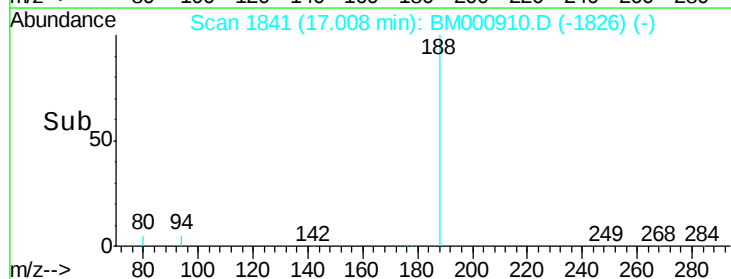
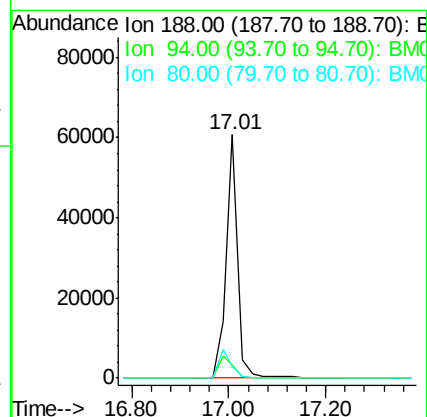
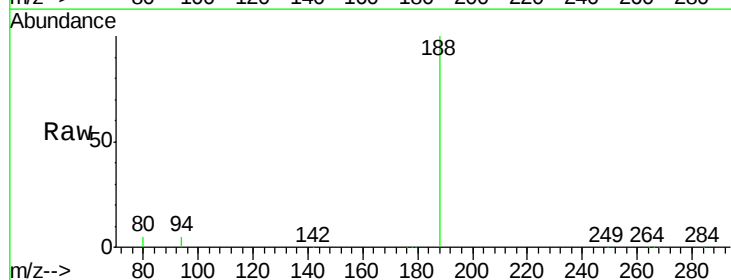
Tgt Ion:188 Resp: 101972

Ion Ratio Lower Upper

188 100

94 5.4 12.0 18.0#

80 4.9 12.8 19.2#

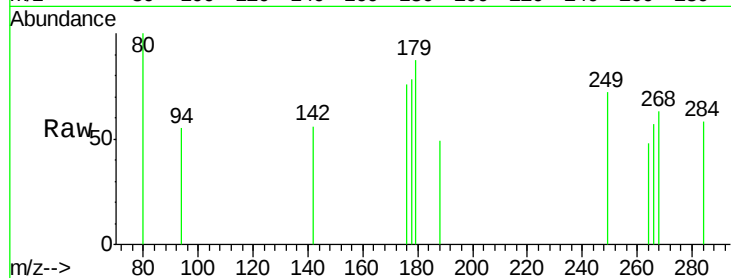




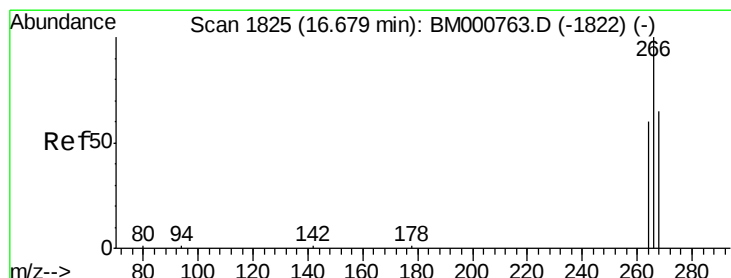
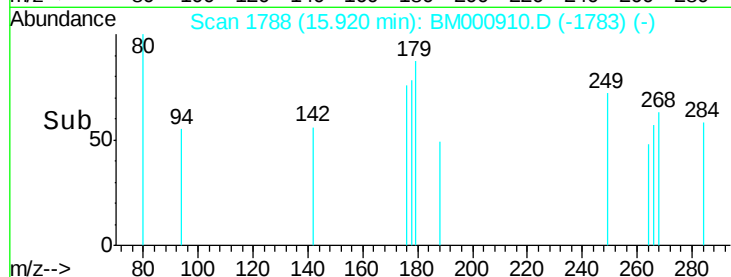
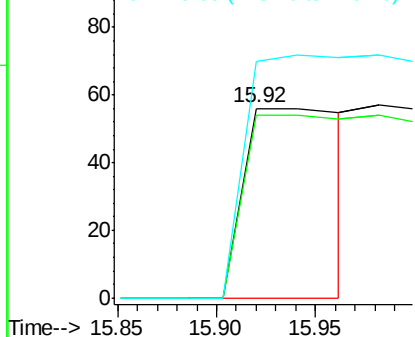
#14
Hexachlorobenzene
Concen: 0.03 ng
RT: 15.92 min Scan# 1788
Delta R.T. -0.41 min
Lab File: BM000910.D
Acq: 08 Apr 2015 15:39

Instrument :
BNA_M
ClientSampleId :
FB

Tgt Ion: 284 Resp: 189
Ion Ratio Lower Upper
284 100
142 264.0 0.0 0.0#
249 0.0 25.2 37.8#

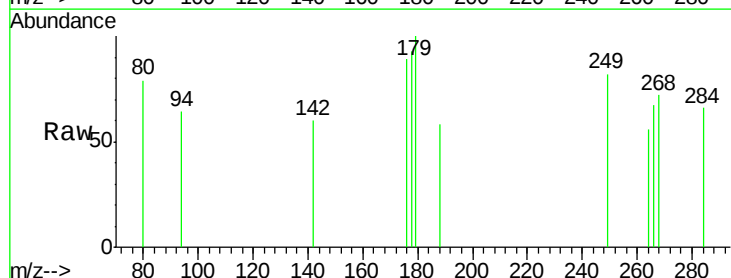


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

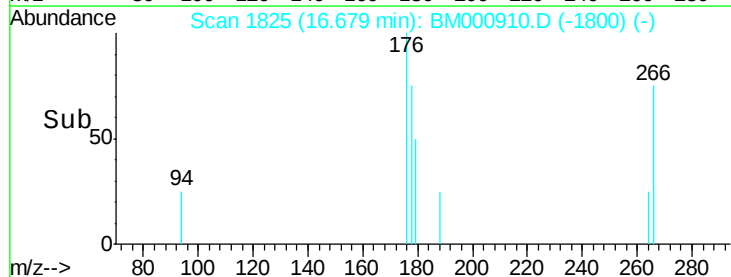
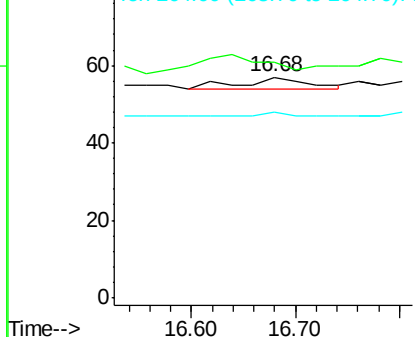


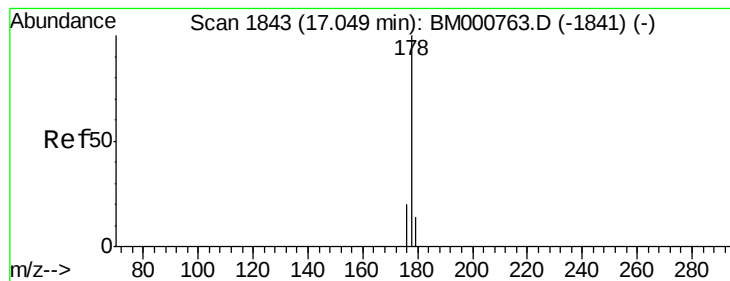
#15
Pentachlorophenol
Concen: 0.37 ng
RT: 16.68 min Scan# 1825
Delta R.T. 0.02 min
Lab File: BM000910.D
Acq: 08 Apr 2015 15:39

Tgt Ion: 266 Resp: 14
Ion Ratio Lower Upper
266 100
268 107.0 55.0 82.6#
264 84.2 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: 0.01 ng

RT: 17.05 min Scan# 1843

Delta R.T. -0.00 min

Lab File: BM000910.D

Acq: 08 Apr 2015 15:39

Instrument :

BNA_M

ClientSampleId :

FB

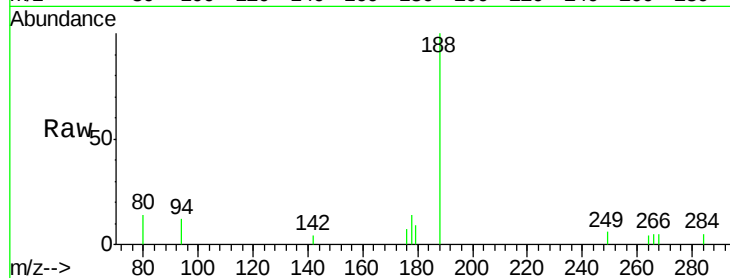
Tgt Ion:178 Resp: 208

Ion Ratio Lower Upper

178 100

176 22.1 15.3 22.9

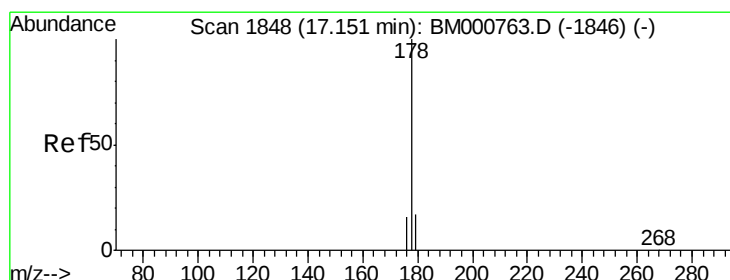
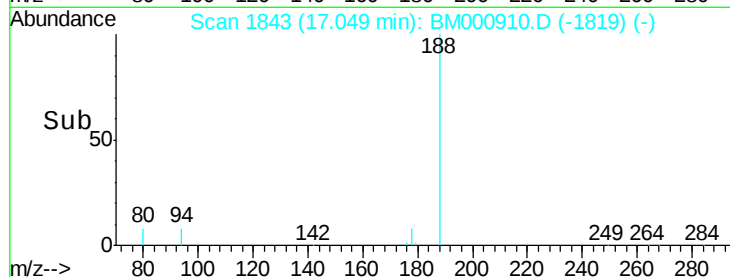
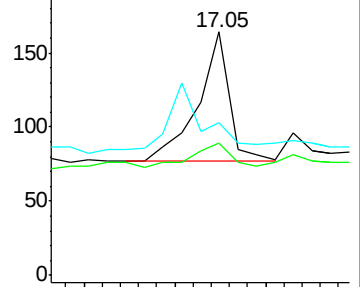
179 0.0 12.2 18.2#



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: BM000910.D

Acq: 08 Apr 2015 15:39

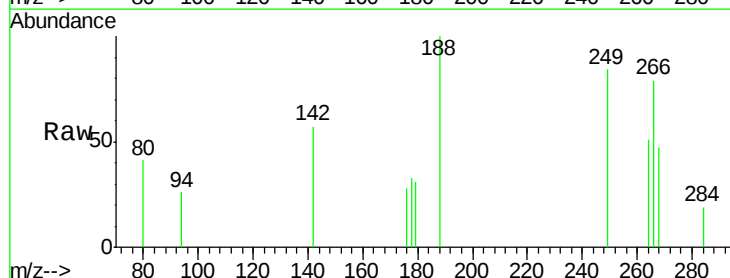
Tgt Ion:178 Resp: 44

Ion Ratio Lower Upper

178 100

176 45.5 14.6 22.0#

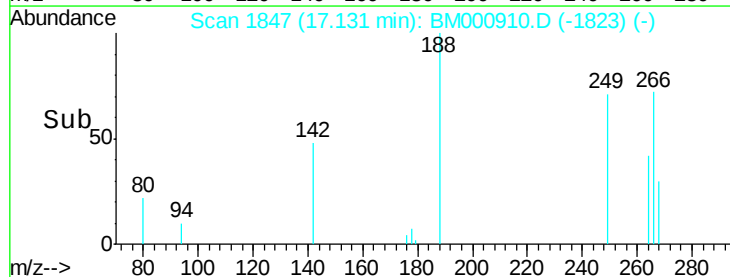
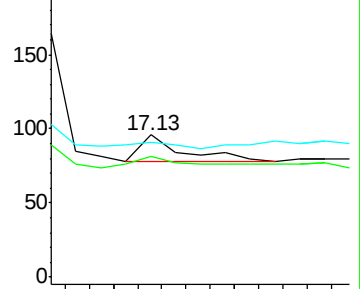
179 34.1 12.2 18.4#



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

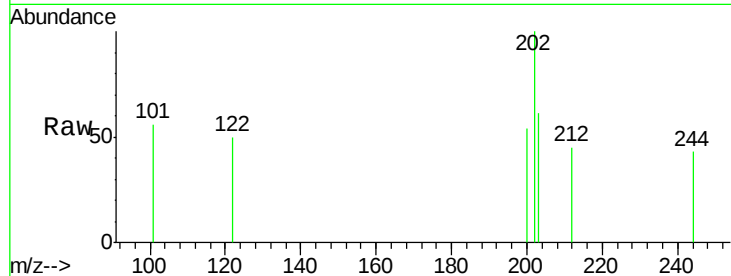




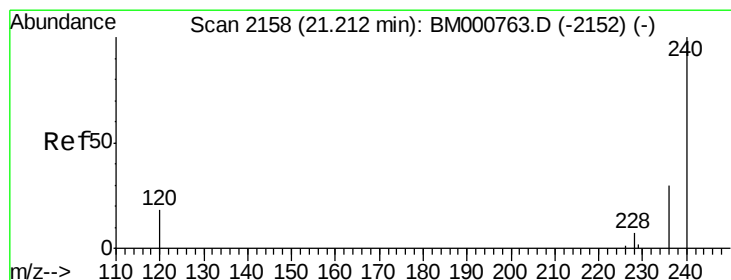
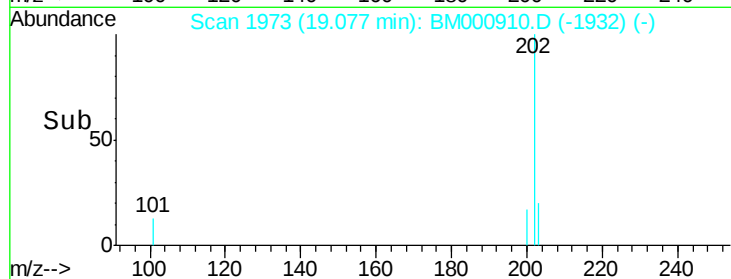
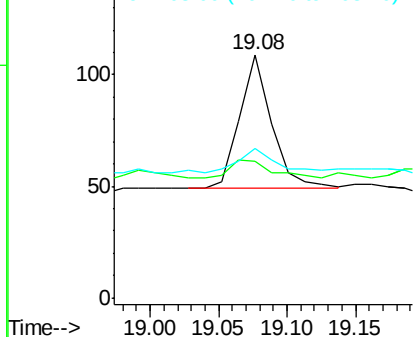
#18
 Fluoranthene
 Concen: 0.00 ng
 RT: 19.08 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: BM000910.D
 Acq: 08 Apr 2015 15:39

Instrument :
 BNA_M
 ClientSampled :
 FB

Tgt Ion:202 Resp: 98
 Ion Ratio Lower Upper
 202 100
 101 15.3 10.5 15.7
 203 22.4 13.8 20.8#

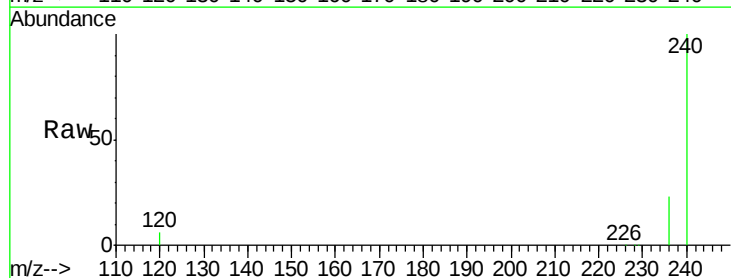


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

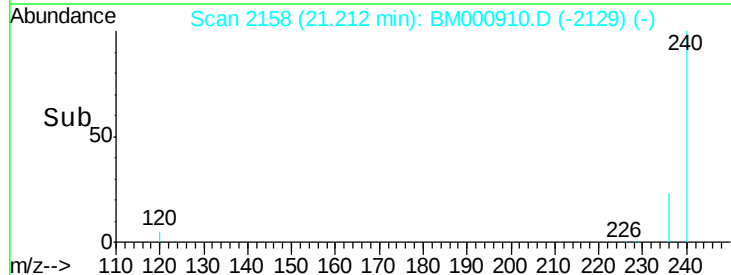
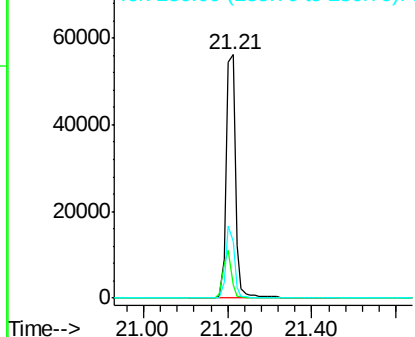


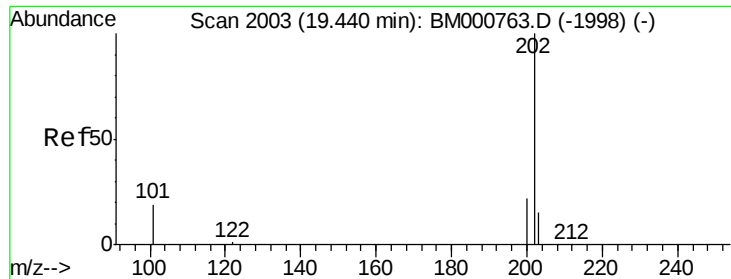
#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: BM000910.D
 Acq: 08 Apr 2015 15:39

Tgt Ion:240 Resp: 87160
 Ion Ratio Lower Upper
 240 100
 120 5.6 14.9 22.3#
 236 23.5 24.2 36.4#



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

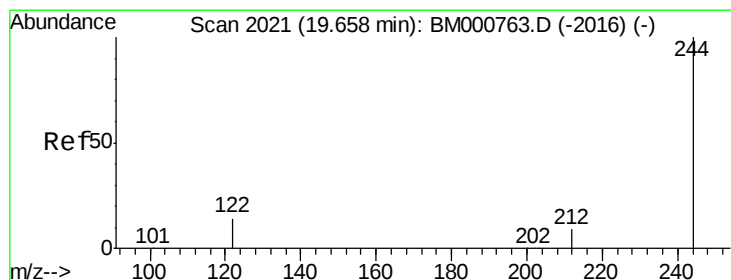
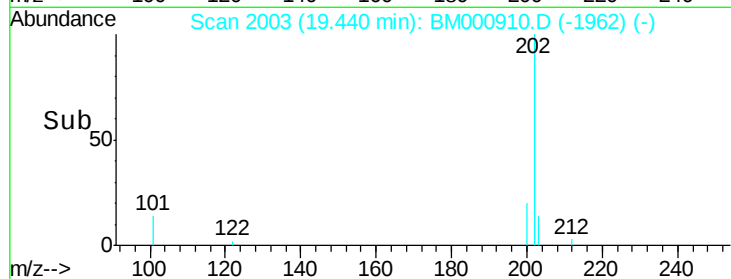
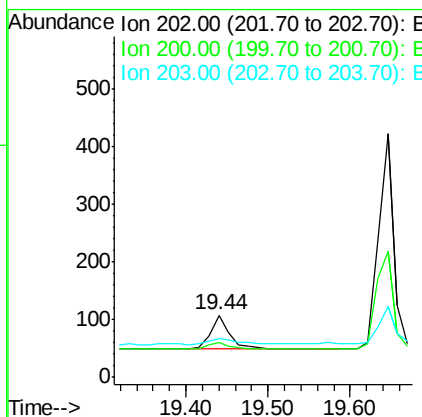
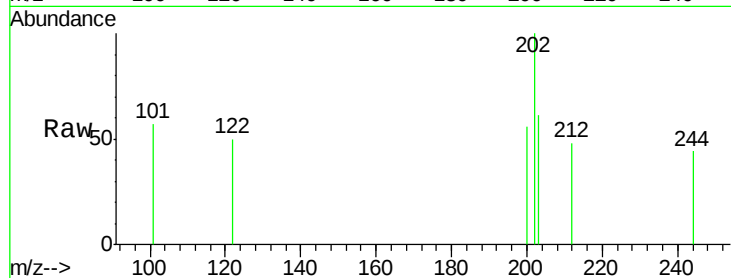




#20
Pyrene
Concen: 0.00 ng
RT: 19.44 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BM000910.D
Acq: 08 Apr 2015 15:39

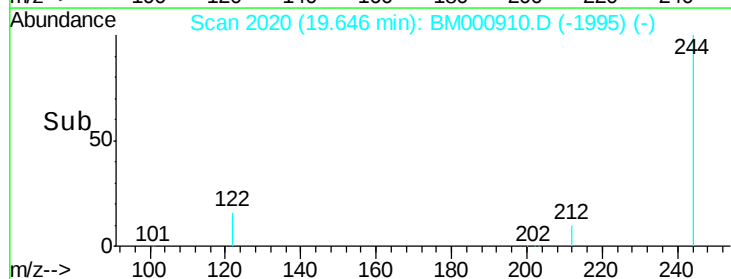
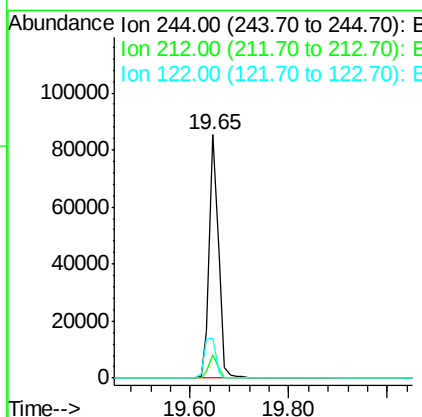
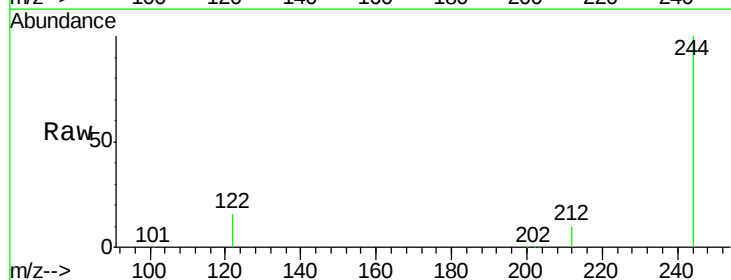
Instrument :
BNA_M
ClientSampled :
FB

Tgt Ion:202 Resp: 97
Ion Ratio Lower Upper
202 100
200 23.7 16.2 24.2
203 25.8 13.9 20.9#



#21
Terphenyl-d14
Concen: 10.56 ng
RT: 19.65 min Scan# 2020
Delta R.T. -0.00 min
Lab File: BM000910.D
Acq: 08 Apr 2015 15:39

Tgt Ion:244 Resp: 110708
Ion Ratio Lower Upper
244 100
212 9.7 7.8 11.6
122 16.4 11.8 17.8





#22

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.20 min Scan# 2157

Delta R.T. 0.01 min

Lab File: BM000910.D

Acq: 08 Apr 2015 15:39

Instrument :

BNA_M

ClientSampleId :

FB

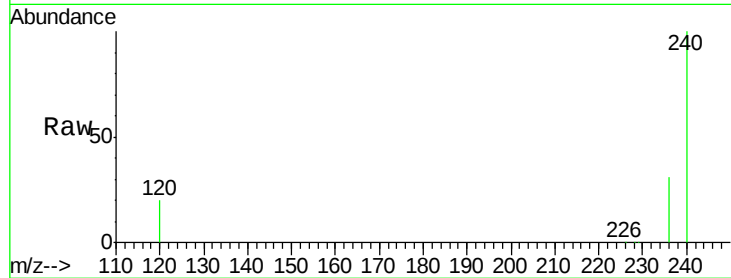
Tgt Ion:228 Resp: 405

Ion Ratio Lower Upper

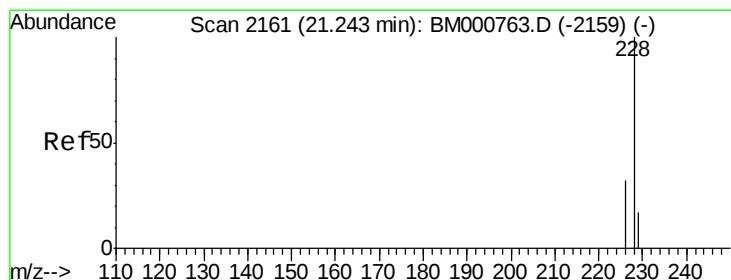
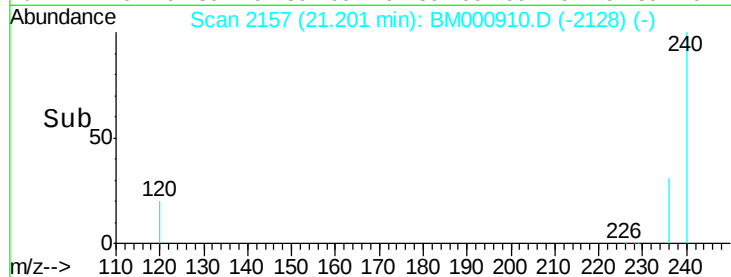
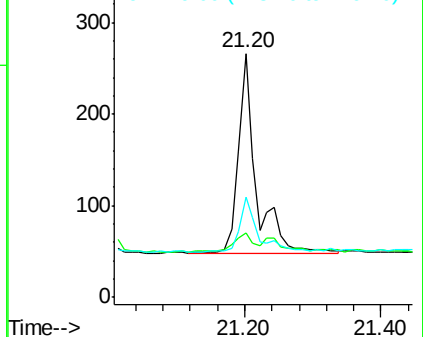
228 100

226 26.3 18.6 27.8

229 41.0 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



#23

Chrysene

Concen: 0.02 ng

RT: 21.20 min Scan# 2157

Delta R.T. -0.04 min

Lab File: BM000910.D

Acq: 08 Apr 2015 15:39

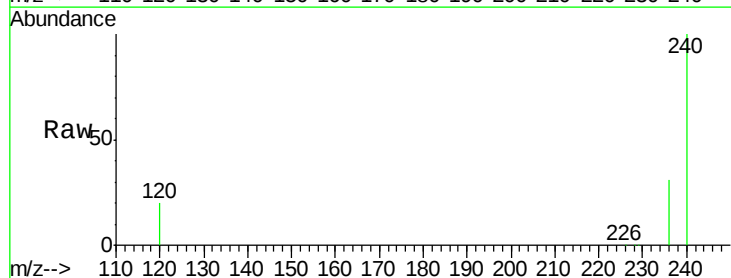
Tgt Ion:228 Resp: 405

Ion Ratio Lower Upper

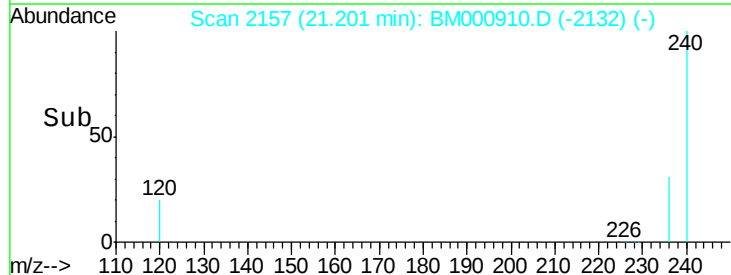
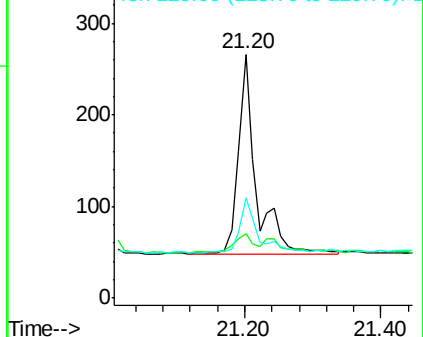
228 100

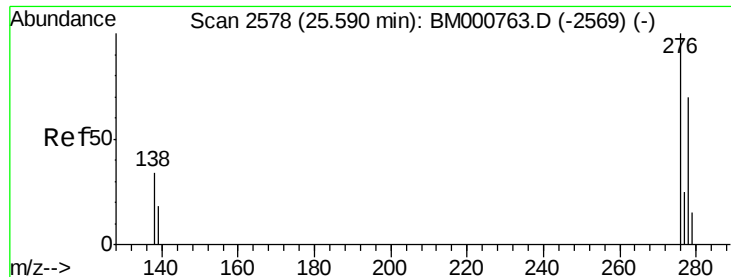
226 26.3 25.8 38.8

229 41.0 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





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng

RT: 25.58 min Scan# 2577

Delta R.T. 0.01 min

Lab File: BM000910.D

Acq: 08 Apr 2015 15:39

Instrument :

BNA_M

ClientSampleId :

FB

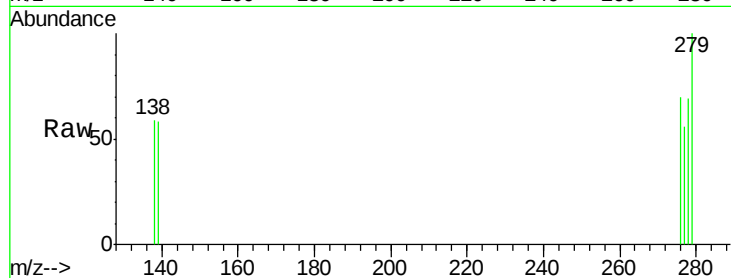
Tgt Ion:276 Resp: 128

Ion Ratio Lower Upper

276 100

138 33.6 27.4 41.2

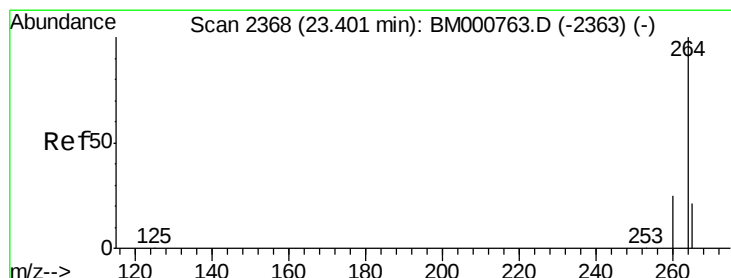
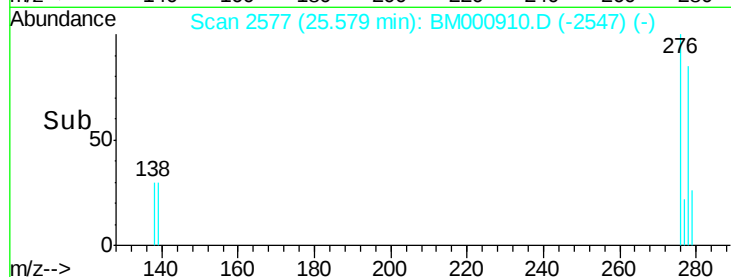
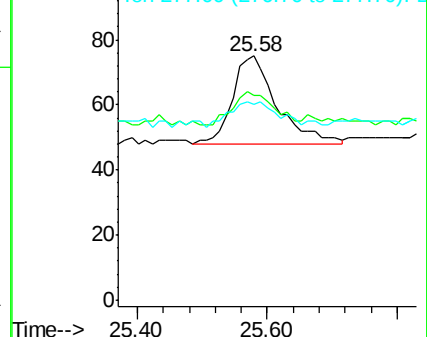
277 34.4 19.7 29.5#



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



#25

Perylene-d12

Concen: 5.00 ng

RT: 23.39 min Scan# 2367

Delta R.T. -0.00 min

Lab File: BM000910.D

Acq: 08 Apr 2015 15:39

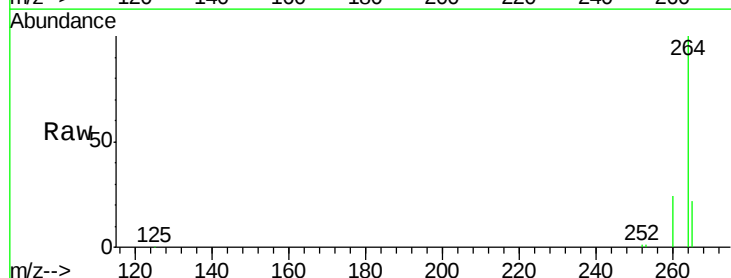
Tgt Ion:264 Resp: 77990

Ion Ratio Lower Upper

264 100

260 23.7 20.1 30.1

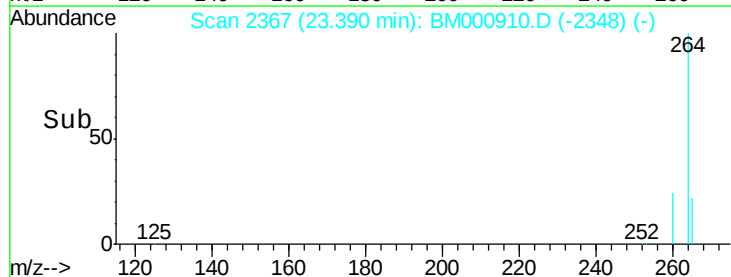
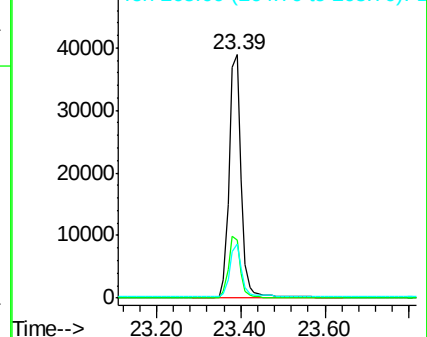
265 22.5 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#26

Benzo(b)fluoranthene

Concen: 0.00 ng

RT: 22.74 min Scan# 2305

Delta R.T. 0.01 min

Lab File: BM000910.D

Acq: 08 Apr 2015 15:39

Instrument :

BNA_M

ClientSampled :

FB

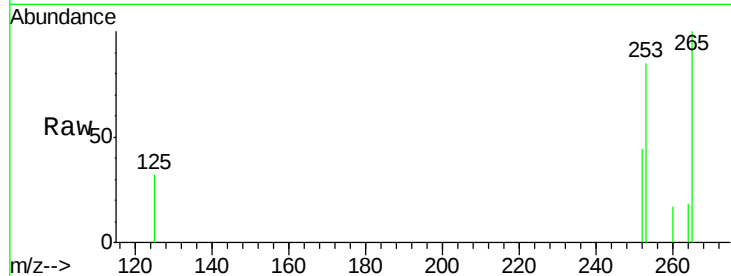
Tgt Ion:252 Resp: 81

Ion Ratio Lower Upper

252 100

253 193.2 18.5 27.7#

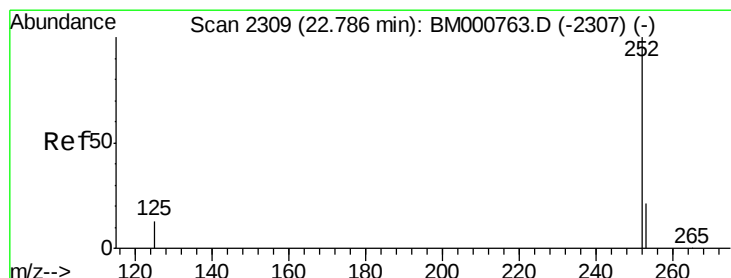
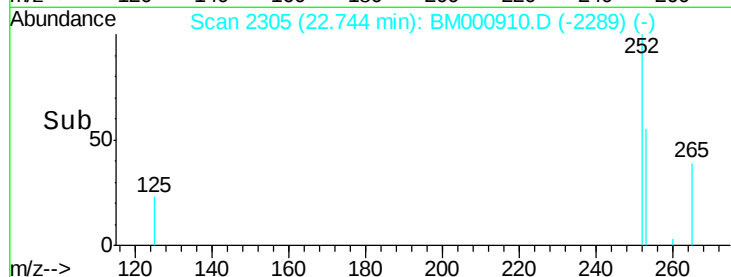
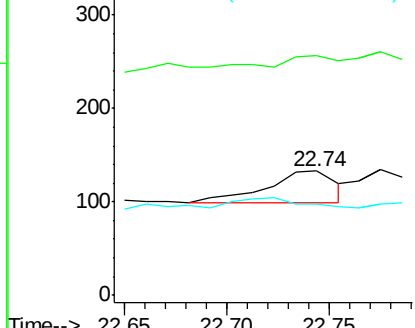
125 72.9 10.6 16.0#



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



#27

Benzo(k)fluoranthene

Concen: 0.00 ng

RT: 22.74 min Scan# 2305

Delta R.T. -0.03 min

Lab File: BM000910.D

Acq: 08 Apr 2015 15:39

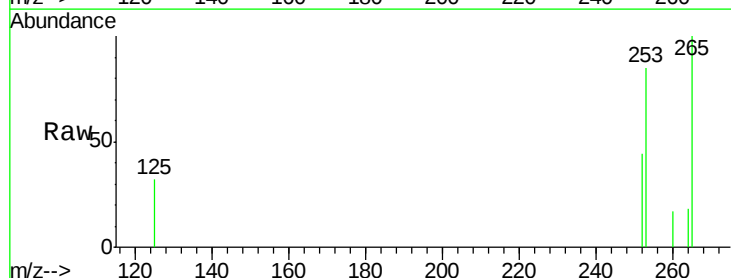
Tgt Ion:252 Resp: 81

Ion Ratio Lower Upper

252 100

253 193.2 17.9 26.9#

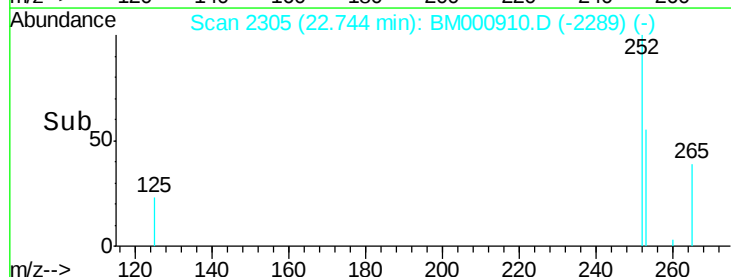
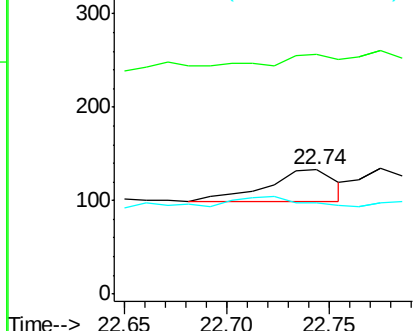
125 72.9 10.8 16.2#



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





#28

Benzo(a)pyrene

Concen: 0.00 ng

RT: 23.29 min Scan# 2357

Delta R.T. -0.00 min

Lab File: BM000910.D

Acq: 08 Apr 2015 15:39

Instrument :

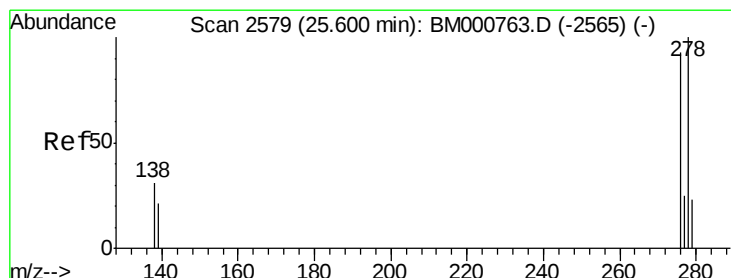
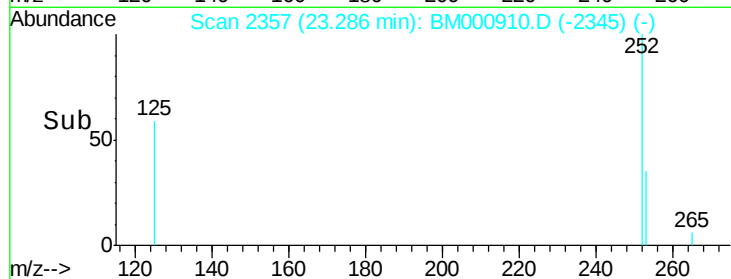
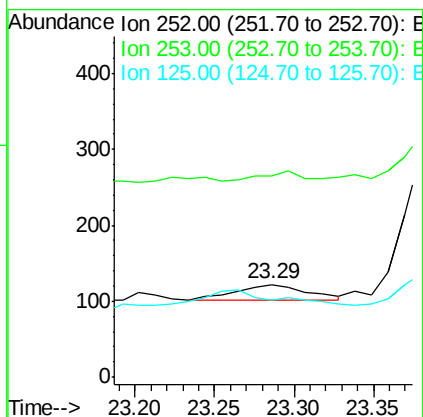
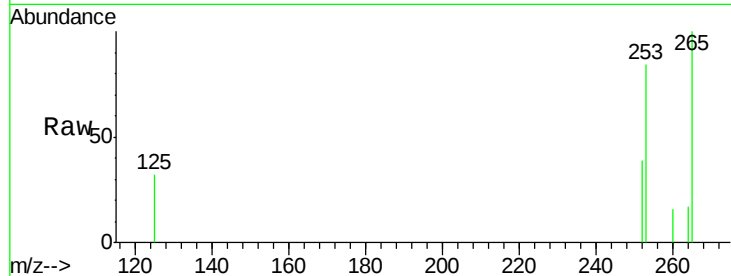
BNA_M

ClientSampleId :

FB

Tgt Ion: 252 Resp: 61

Ion	Ratio	Lower	Upper
252	100		
253	217.2	19.4	29.2#
125	83.6	11.5	17.3#



#29

Dibenzo(a,h)anthracene

Concen: 0.01 ng

RT: 25.59 min Scan# 2578

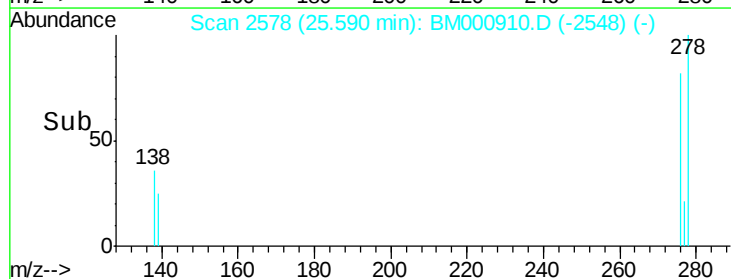
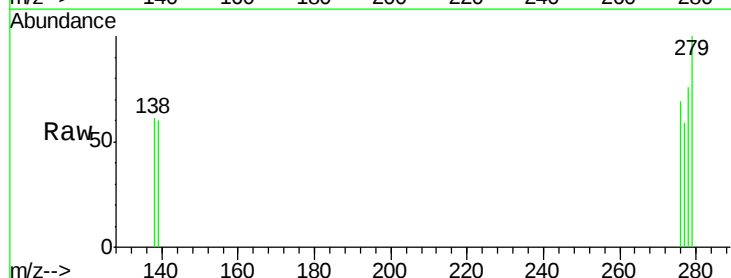
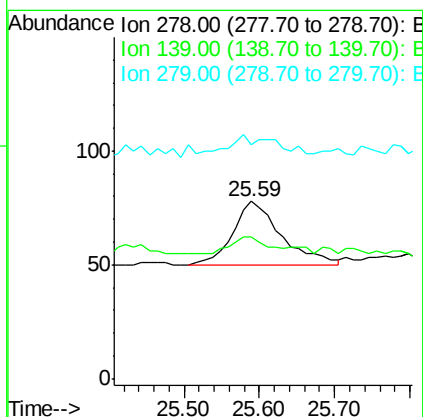
Delta R.T. 0.01 min

Lab File: BM000910.D

Acq: 08 Apr 2015 15:39

Tgt Ion: 278 Resp: 123

Ion	Ratio	Lower	Upper
278	100		
139	79.5	17.8	26.6#
279	132.1	19.3	28.9#





#30

Benzo(g,h,i)perylene

Concen: 0.00 ng

RT: 26.23 min Scan# 2639

Delta R.T. -0.00 min

Lab File: BM000910.D

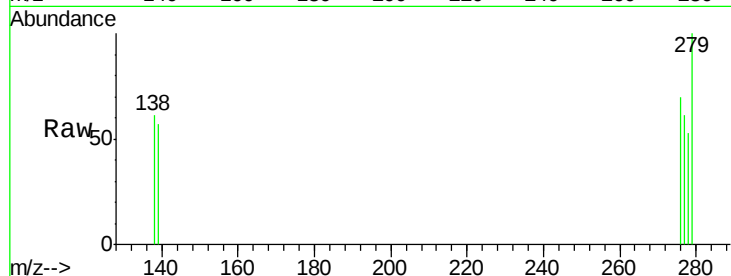
Acq: 08 Apr 2015 15:39

Instrument :

BNA_M

ClientSampleId :

FB



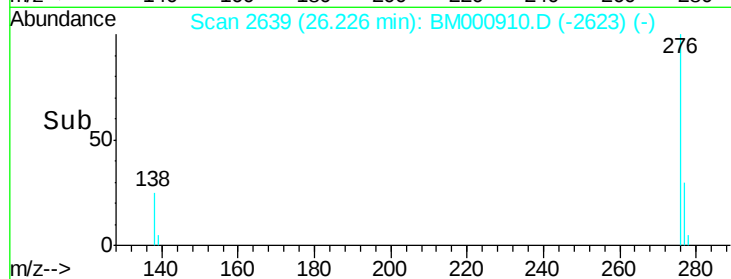
Tgt Ion: 276 Resp: 82

Ion Ratio Lower Upper

276 100

277 87.0 19.1 28.7#

138 87.0 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

