

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040815\
 Data File : BM000917.D
 Acq On : 08 Apr 2015 19:47
 Operator : TP/IZ
 Sample : G1767-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 FB

Quant Time: Apr 09 03:50:08 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	23753	5.00	ng	0.00
4) Naphthalene-d8	10.39	136	82111	5.00	ng	0.00
8) Acenaphthene-d10	14.26	164	42689	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	95174	5.00	ng	0.00
19) Chrysene-d12	21.21	240	81543	5.00	ng	0.00
25) Perylene-d12	23.39	264	73075	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.76	82	36687	7.30	ng	0.00
9) 2-Fluorobiphenyl	12.88	172	117227	8.85	ng	0.00
21) Terphenyl-d14	19.65	244	103574	10.56	ng	0.00

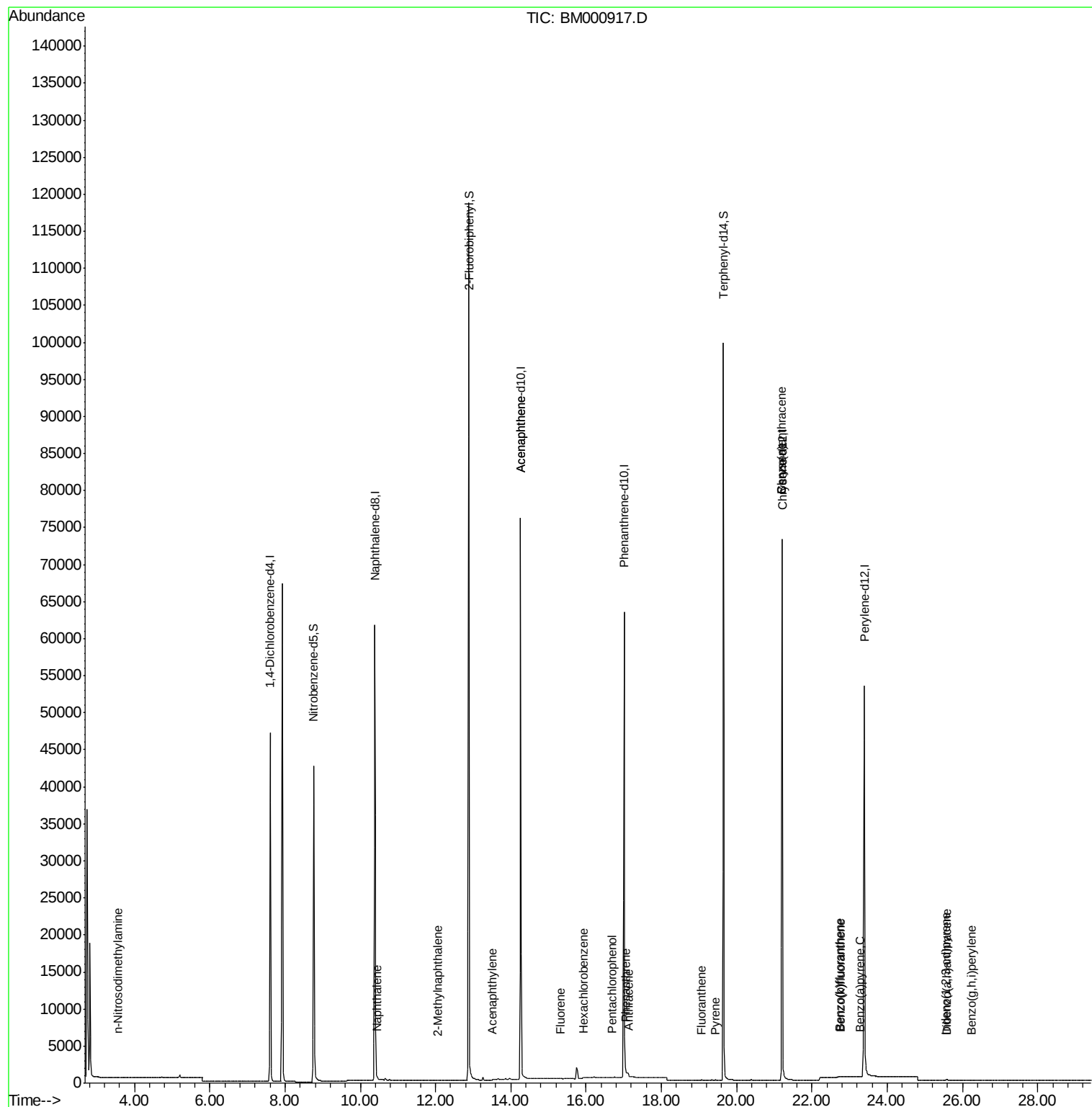
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.56	42	17	0.16	ng	# 19
6) Naphthalene	10.44	128	130	0.01	ng	# 2
7) 2-Methylnaphthalene	12.07	142	41	0.00	ng	# 33
10) Acenaphthylene	13.51	152	135	0.01	ng	# 1
11) Acenaphthene	14.26	154	190	0.01	ng	# 11
12) Fluorene	15.32	166	40	0.00	ng	# 96
14) Hexachlorobenzene	15.94	284	325	0.06	ng	# 43
15) Pentachlorophenol	16.68	266	16	0.37	ng	# 63
16) Phenanthrene	17.05	178	206	0.01	ng	# 72
17) Anthracene	17.13	178	66	0.00	ng	# 61
18) Fluoranthene	19.08	202	139	0.01	ng	# 89
20) Pyrene	19.44	202	132	0.00	ng	# 85
22) Benzo(a)anthracene	21.20	228	462	0.02	ng	# 76
23) Chrysene	21.20	228	462	0.02	ng	# 76
24) Indeno(1,2,3-cd)pyrene	25.57	276	191	0.01	ng	97
26) Benzo(b)fluoranthene	22.73	252	135	0.01	ng	# 1
27) Benzo(k)fluoranthene	22.78	252	99	0.00	ng	# 1
28) Benzo(a)pyrene	23.29	252	99	0.01	ng	# 1
29) Dibenzo(a,h)anthracene	25.59	278	178	0.01	ng	# 1
30) Benzo(g,h,i)perylene	26.24	276	144	0.01	ng	# 6

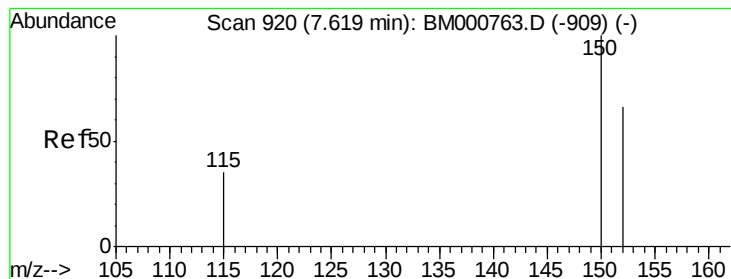
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 09 03:50:08 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



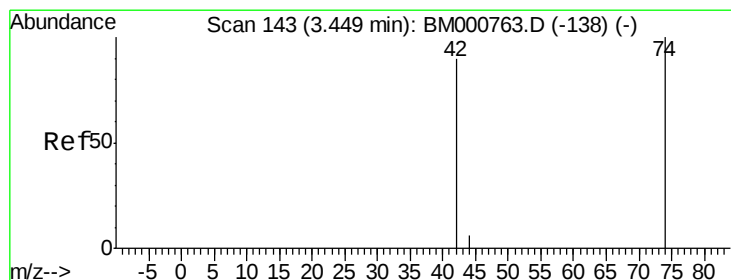
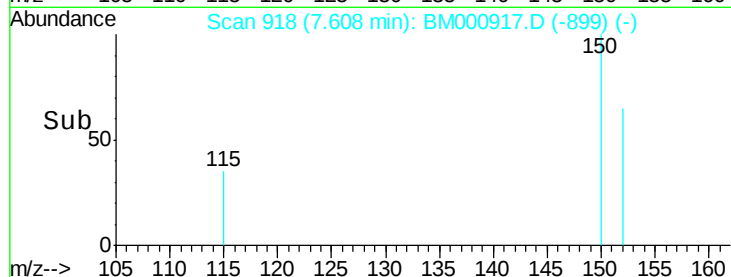
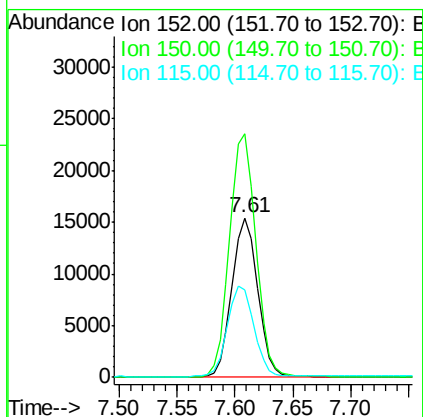
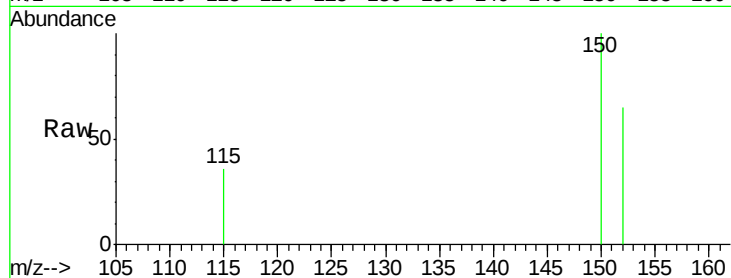


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.61 min Scan# 918
Delta R.T. 0.00 min
Lab File: BM000917.D
Acq: 08 Apr 2015 19:47

Instrument :
BNA_M
ClientSampleId :
FB

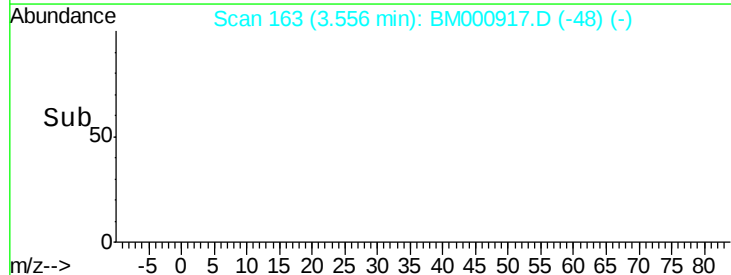
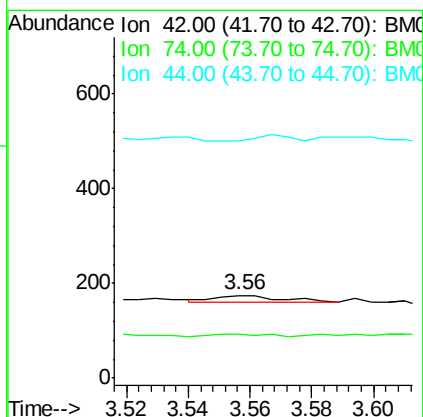
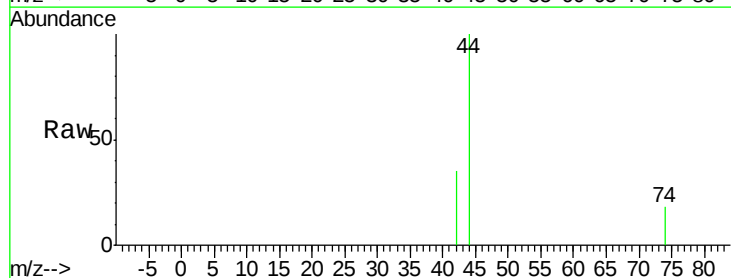
Tgt Ion: 152 Resp: 23753
Ion Ratio Lower Upper
152 100
150 152.9 120.8 181.2
115 54.8 42.7 64.1

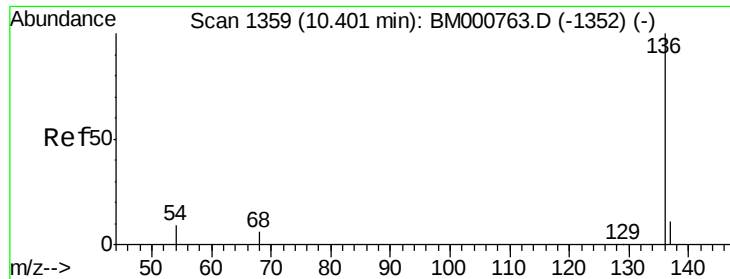


#3

n-Nitrosodimethylamine
Concen: 0.16 ng
RT: 3.56 min Scan# 163
Delta R.T. 0.12 min
Lab File: BM000917.D
Acq: 08 Apr 2015 19:47

Tgt Ion: 42 Resp: 17
Ion Ratio Lower Upper
42 100
74 23.5 93.6 140.4#
44 0.0 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: BM000917.D

Acq: 08 Apr 2015 19:47

Instrument :

BNA_M

ClientSampleId :

FB

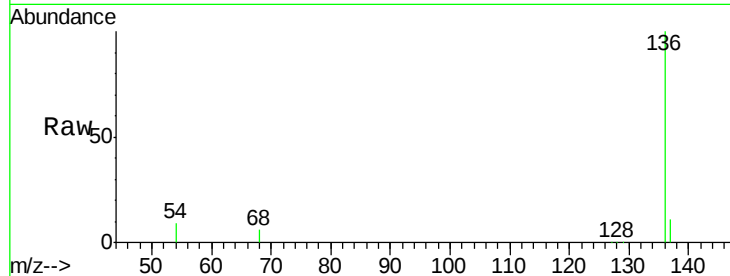
Tgt Ion:136 Resp: 82111

Ion Ratio Lower Upper

136 100

137 10.6 8.6 12.8

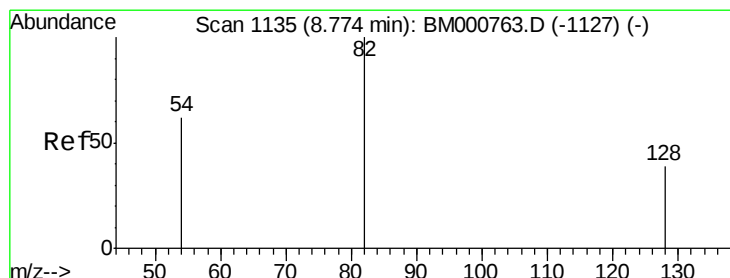
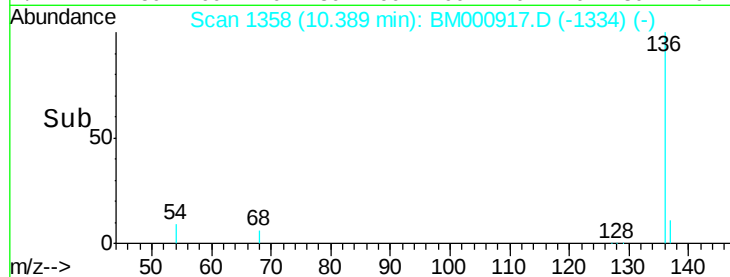
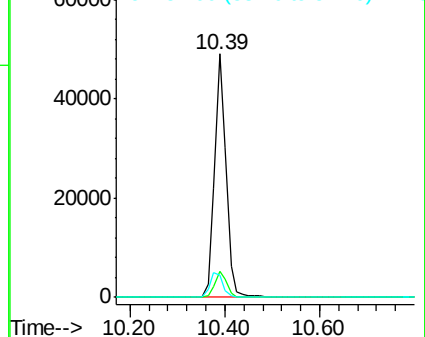
54 9.1 7.0 10.6



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: 7.30 ng

RT: 8.76 min Scan# 1133

Delta R.T. 0.00 min

Lab File: BM000917.D

Acq: 08 Apr 2015 19:47

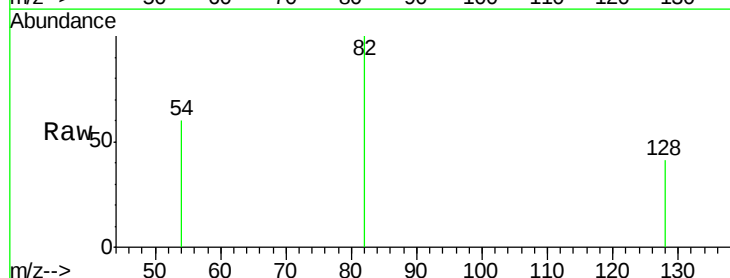
Tgt Ion: 82 Resp: 36687

Ion Ratio Lower Upper

82 100

128 40.8 32.2 48.2

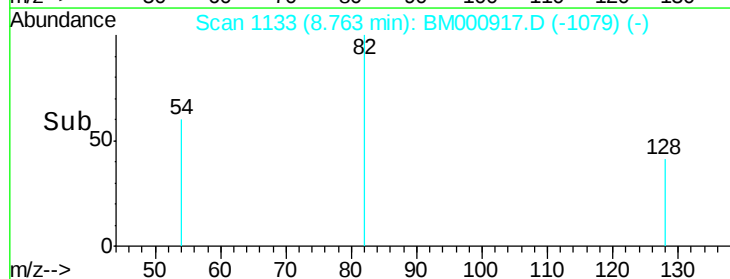
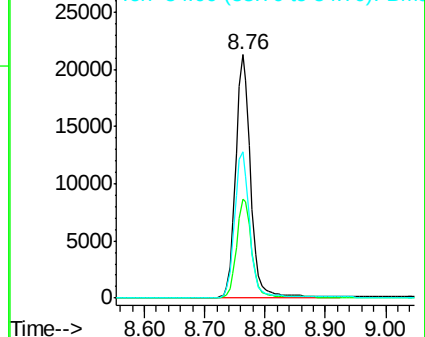
54 60.0 50.2 75.4



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: 0.01 ng

RT: 10.44 min Scan# 1362

Delta R.T. 0.00 min

Lab File: BM000917.D

Acq: 08 Apr 2015 19:47

Instrument :

BNA_M

ClientSampled :

FB

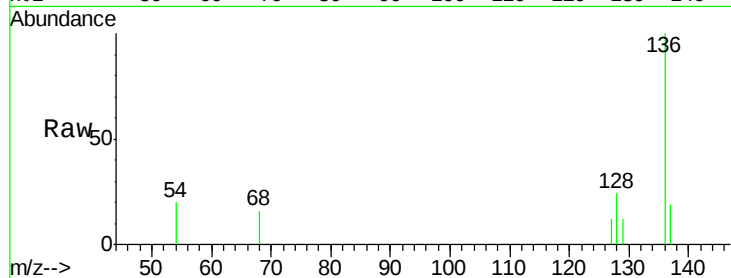
Tgt Ion:128 Resp: 130

Ion Ratio Lower Upper

128 100

129 50.0 8.9 13.3#

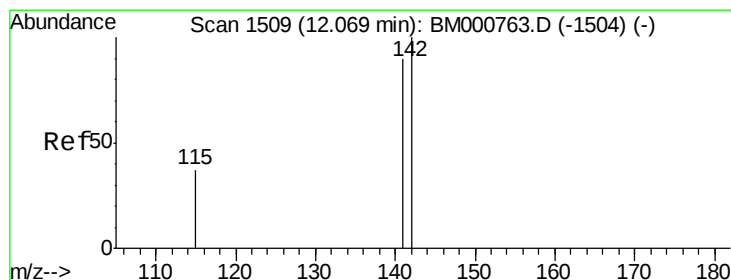
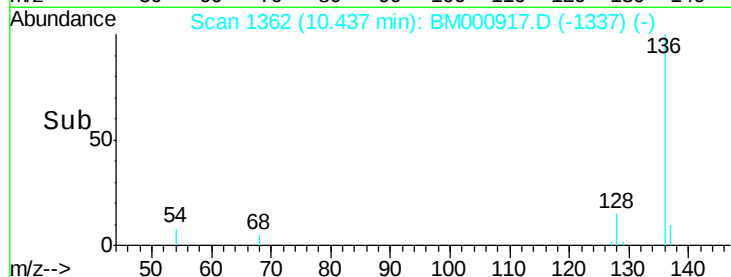
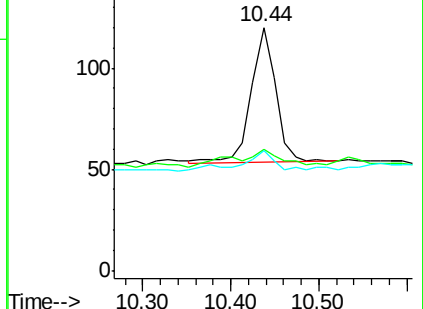
127 49.2 10.0 15.0#



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



#7

2-Methylnaphthalene

Concen: 0.00 ng

RT: 12.07 min Scan# 1509

Delta R.T. 0.01 min

Lab File: BM000917.D

Acq: 08 Apr 2015 19:47

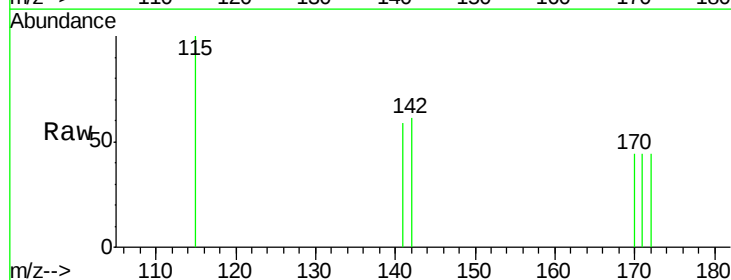
Tgt Ion:142 Resp: 41

Ion Ratio Lower Upper

142 100

141 96.9 72.3 108.5

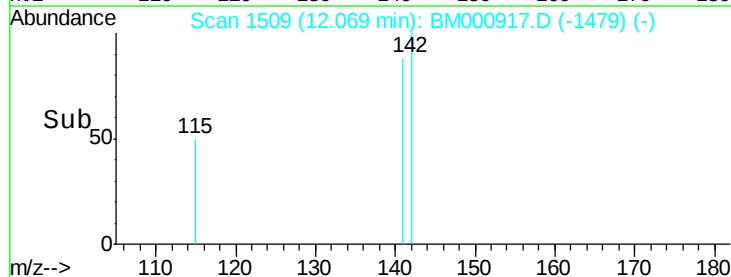
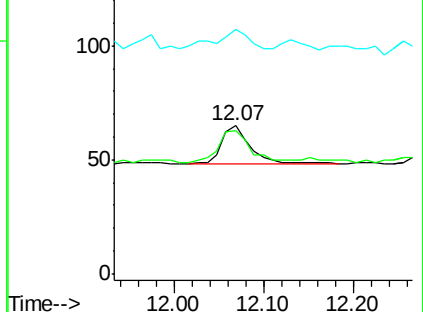
115 164.6 29.5 44.3#

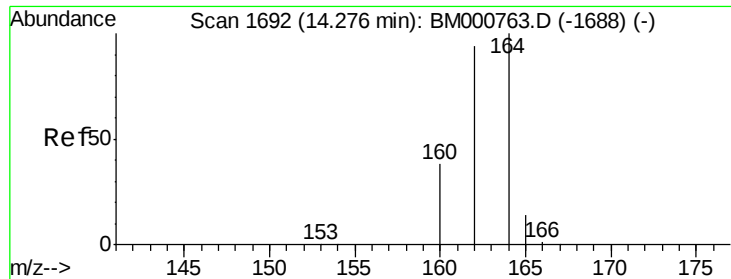


Abundance Ion 142.00 (141.70 to 142.70): E

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: BM000917.D

Acq: 08 Apr 2015 19:47

Instrument :

BNA_M

ClientSampleId :

FB

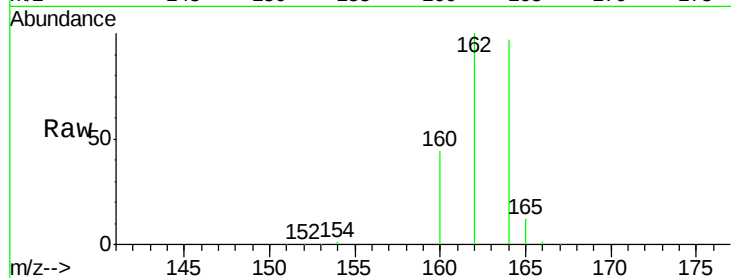
Tgt Ion:164 Resp: 42689

Ion Ratio Lower Upper

164 100

162 103.1 75.4 113.2

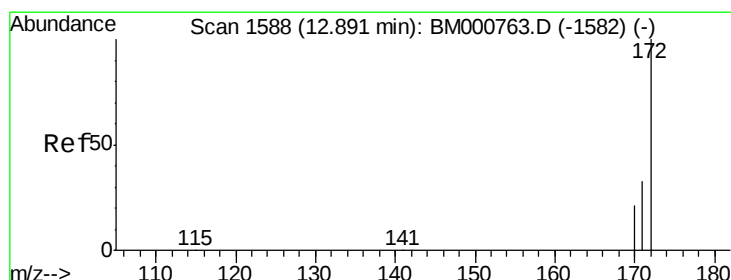
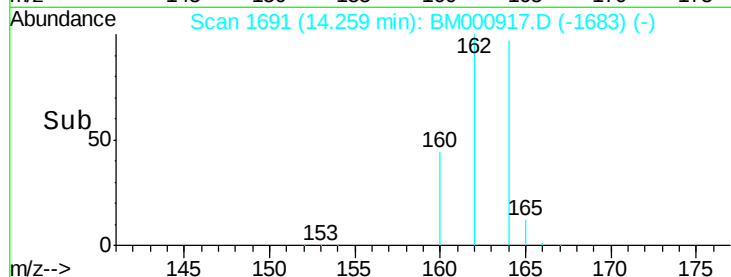
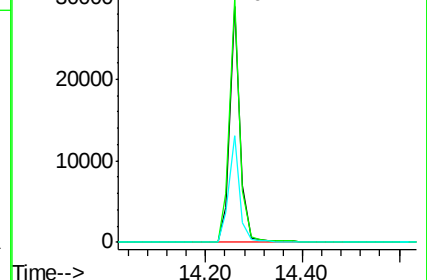
160 45.4 30.8 46.2



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: 8.85 ng

RT: 12.88 min Scan# 1587

Delta R.T. 0.00 min

Lab File: BM000917.D

Acq: 08 Apr 2015 19:47

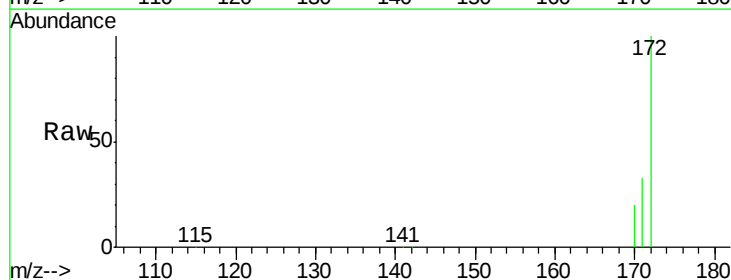
Tgt Ion:172 Resp: 117227

Ion Ratio Lower Upper

172 100

171 32.6 26.6 39.8

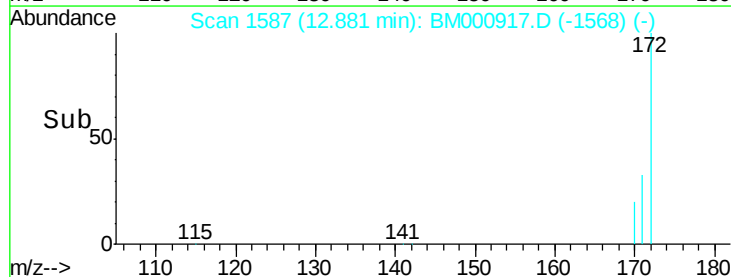
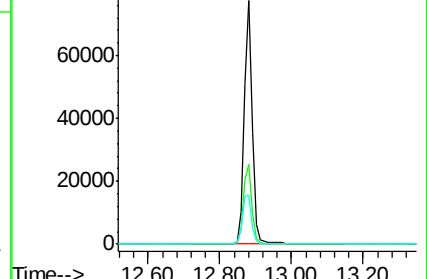
170 20.2 17.1 25.7



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: BM000917.D

Acq: 08 Apr 2015 19:47

Instrument :

BNA_M

ClientSampled :

FB

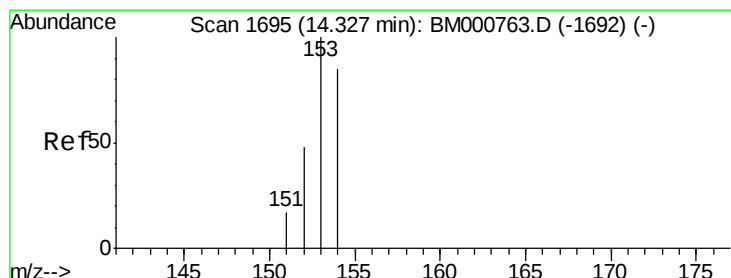
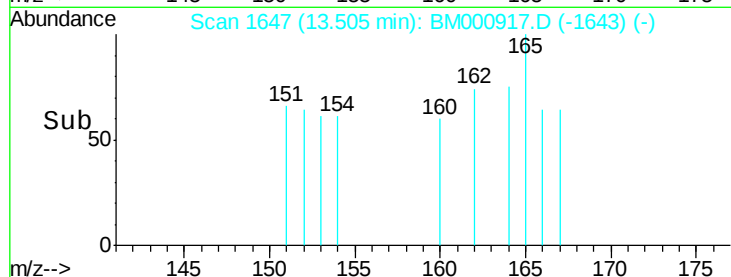
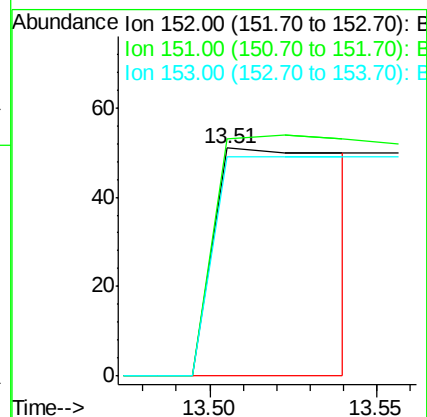
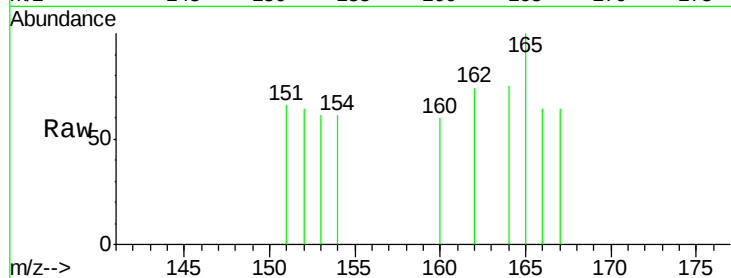
Tgt Ion:152 Resp: 135

Ion Ratio Lower Upper

152 100

151 145.9 15.1 22.7#

153 0.0 10.2 15.4#



#11

Acenaphthene

Concen: 0.01 ng

RT: 14.26 min Scan# 1691

Delta R.T. -0.07 min

Lab File: BM000917.D

Acq: 08 Apr 2015 19:47

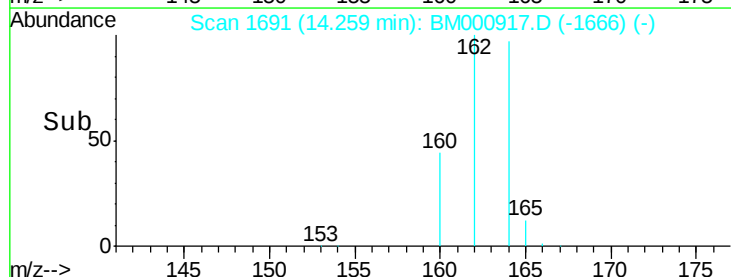
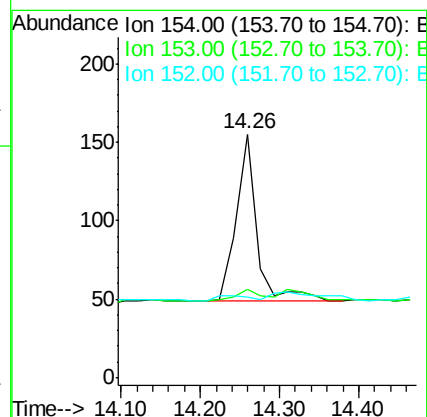
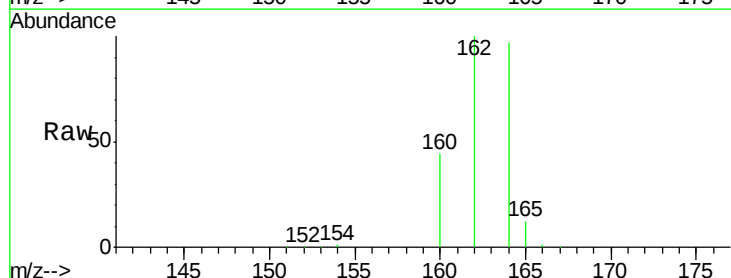
Tgt Ion:154 Resp: 190

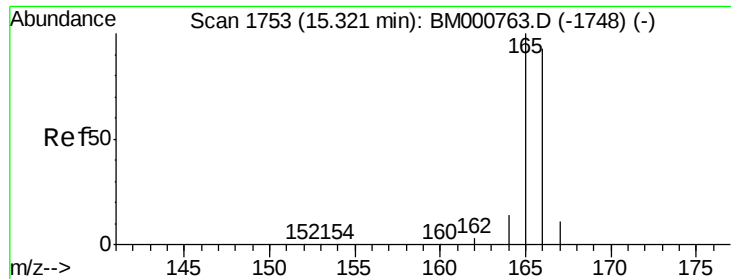
Ion Ratio Lower Upper

154 100

153 7.9 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: BM000917.D

Acq: 08 Apr 2015 19:47

Instrument :

BNA_M

ClientSampled :

FB

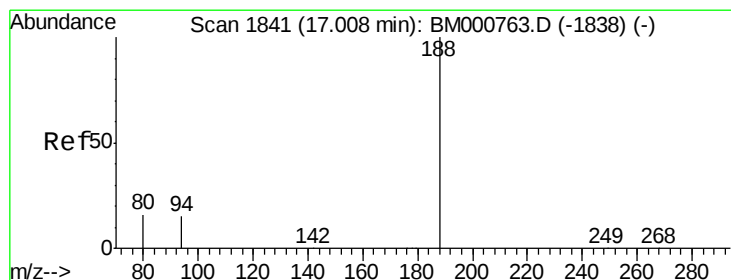
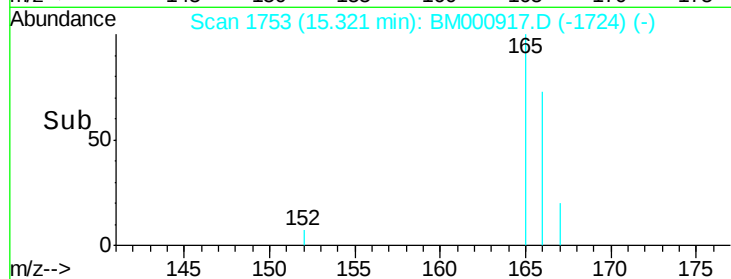
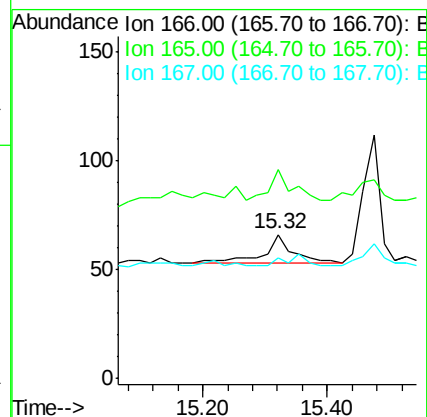
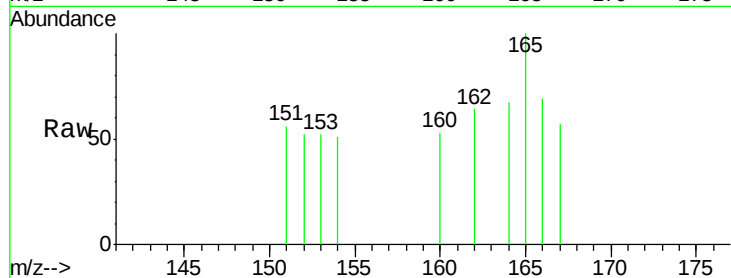
Tgt Ion:166 Resp: 40

Ion Ratio Lower Upper

166 100

165 97.5 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: BM000917.D

Acq: 08 Apr 2015 19:47

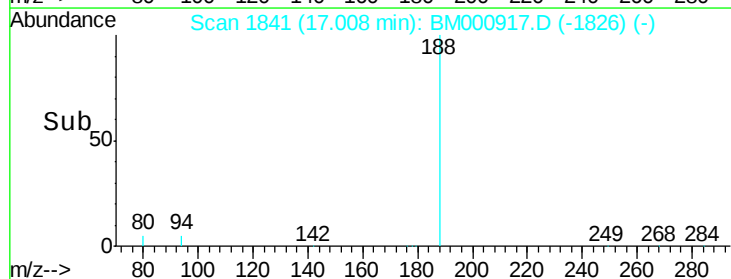
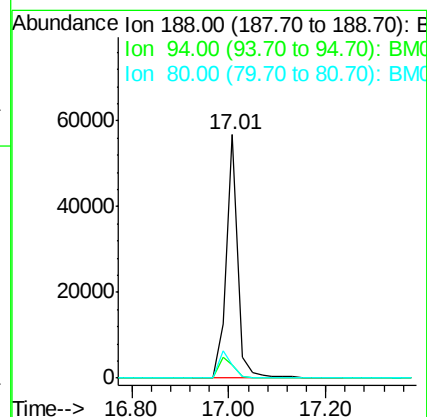
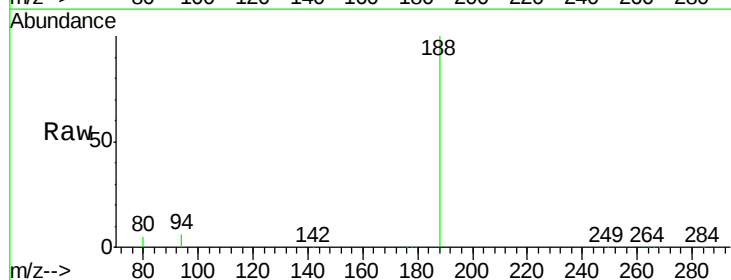
Tgt Ion:188 Resp: 95174

Ion Ratio Lower Upper

188 100

94 5.6 12.0 18.0#

80 5.2 12.8 19.2#

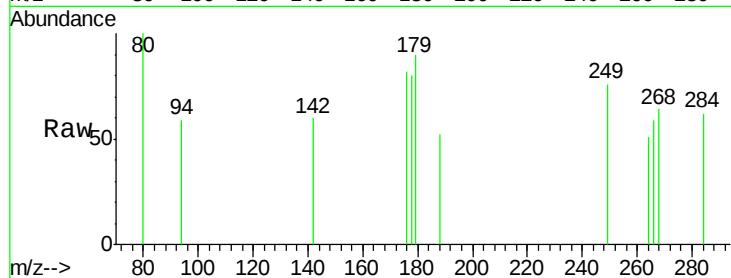




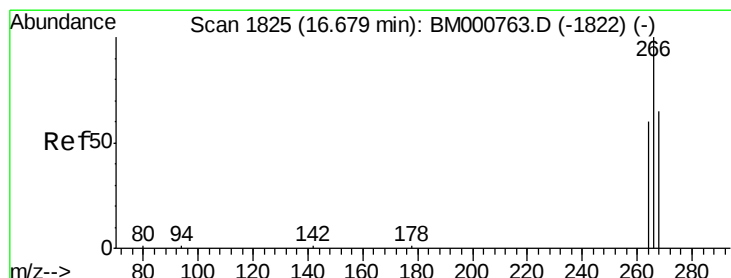
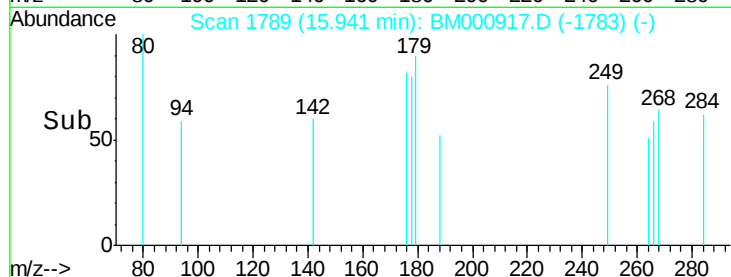
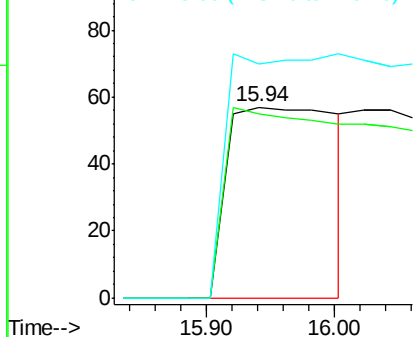
#14
Hexachlorobenzene
Concen: 0.06 ng
RT: 15.94 min Scan# 1789
Delta R.T. -0.39 min
Lab File: BM000917.D
Acq: 08 Apr 2015 19:47

Instrument :
BNA_M
ClientSampled :
FB

Tgt Ion: 284 Resp: 325
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 25.2 37.8#

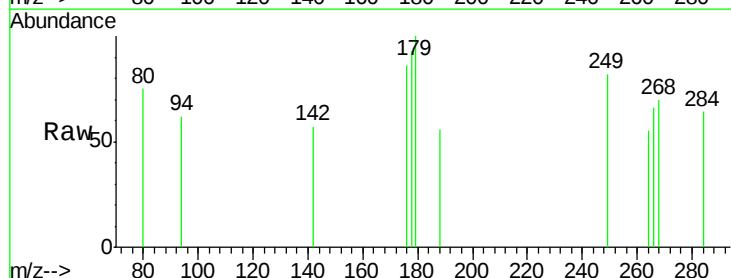


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

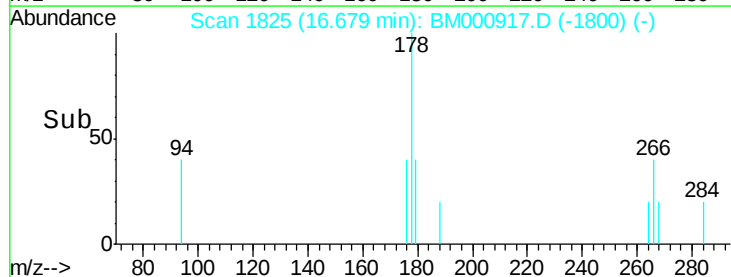
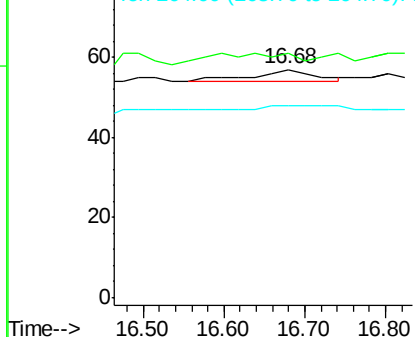


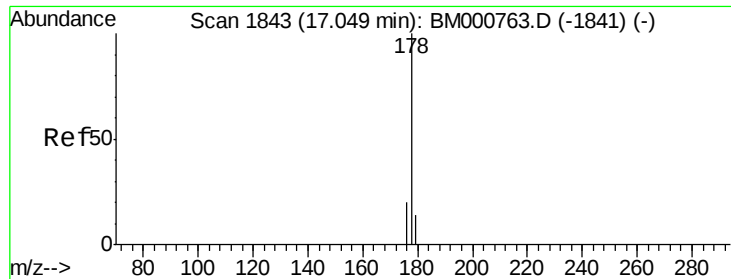
#15
Pentachlorophenol
Concen: 0.37 ng
RT: 16.68 min Scan# 1825
Delta R.T. 0.02 min
Lab File: BM000917.D
Acq: 08 Apr 2015 19:47

Tgt Ion: 266 Resp: 16
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: BM000917.D

Acq: 08 Apr 2015 19:47

Instrument :

BNA_M

ClientSampleId :

FB

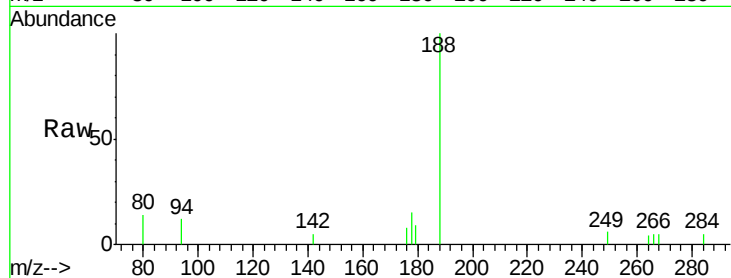
Tgt Ion:178 Resp: 206

Ion Ratio Lower Upper

178 100

176 29.1 15.3 22.9#

179 0.0 12.2 18.2#

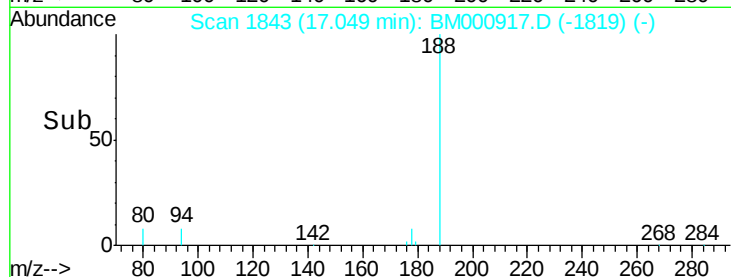


Abundance Ion 178.00 (177.70 to 178.70): E

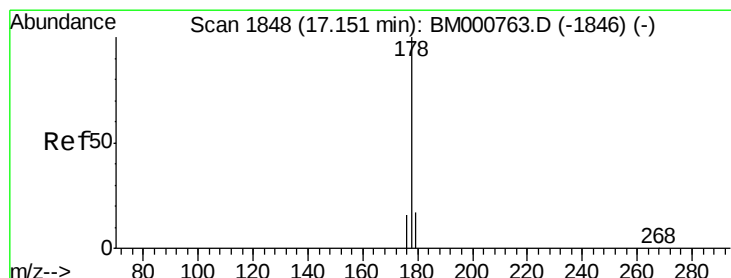
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.05



Time-->



#17

Anthracene

Concen: 0.00 ng

RT: 17.13 min Scan# 1847

Delta R.T. 0.00 min

Lab File: BM000917.D

Acq: 08 Apr 2015 19:47

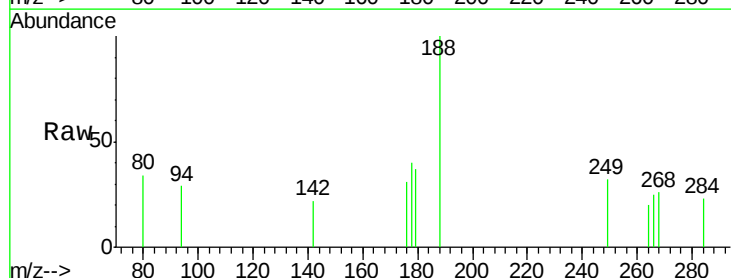
Tgt Ion:178 Resp: 66

Ion Ratio Lower Upper

178 100

176 0.0 14.6 22.0#

179 0.0 12.2 18.4#

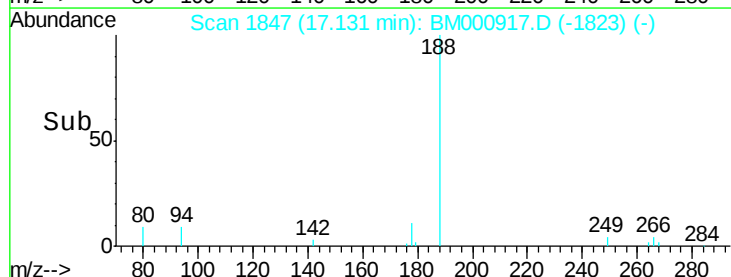


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.13



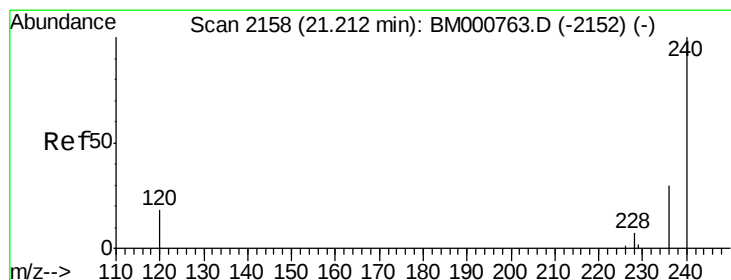
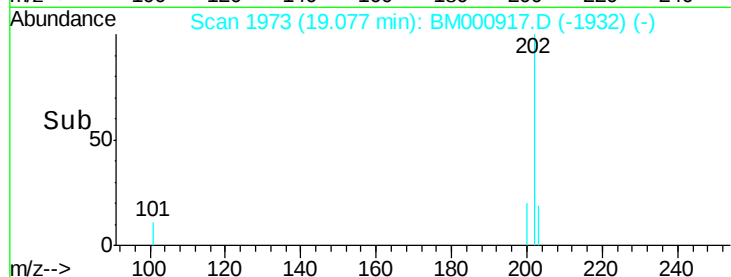
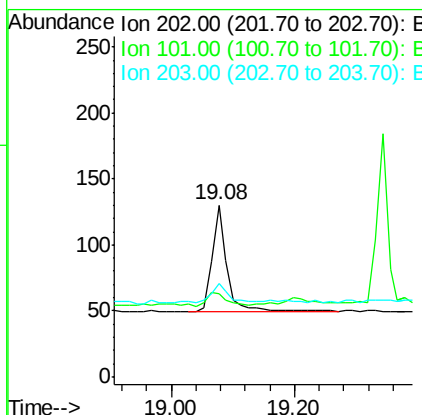
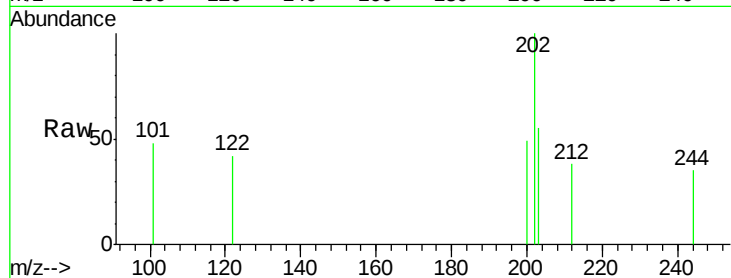
Time-->



#18
 Fluoranthene
 Concen: 0.01 ng
 RT: 19.08 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: BM000917.D
 Acq: 08 Apr 2015 19:47

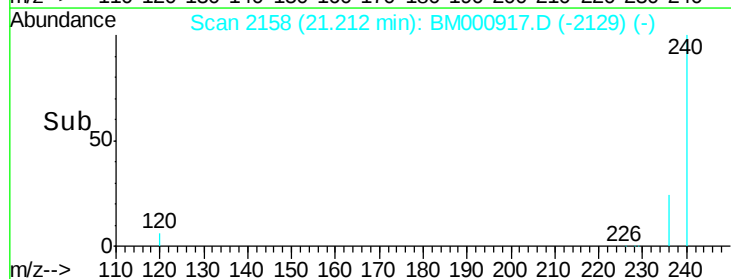
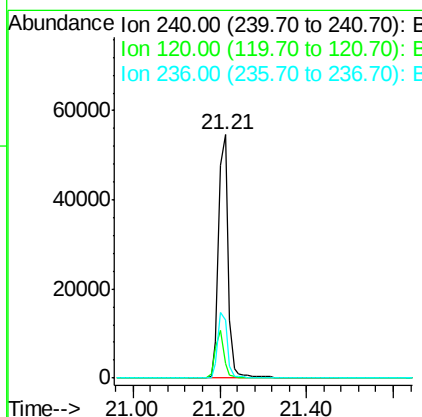
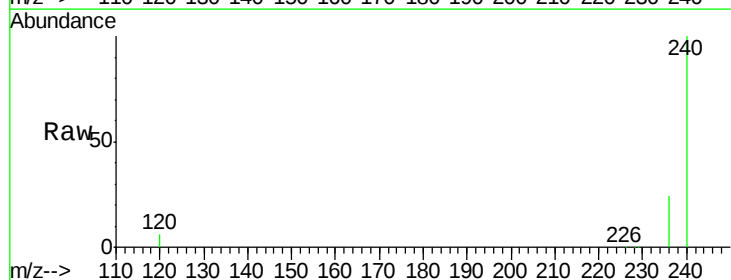
Instrument :
 BNA_M
 ClientSampleId :
 FB

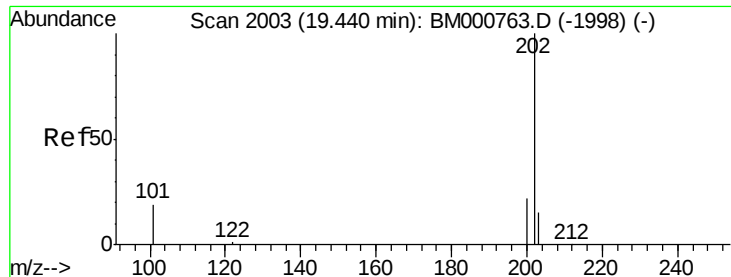
Tgt Ion: 202 Resp: 139
 Ion Ratio Lower Upper
 202 100
 101 18.0 10.5 15.7#
 203 21.6 13.8 20.8#



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. 0.00 min
 Lab File: BM000917.D
 Acq: 08 Apr 2015 19:47

Tgt Ion: 240 Resp: 81543
 Ion Ratio Lower Upper
 240 100
 120 6.1 14.9 22.3#
 236 24.1 24.2 36.4#

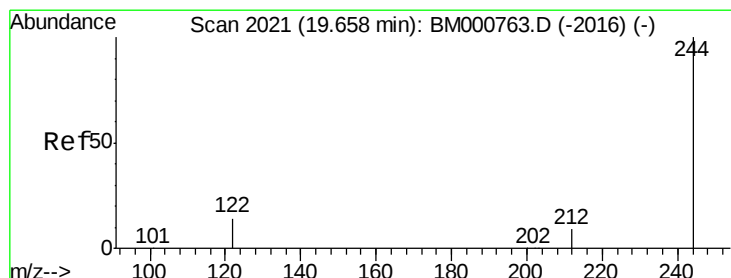
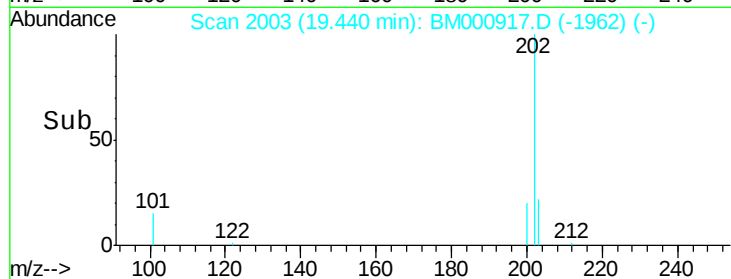
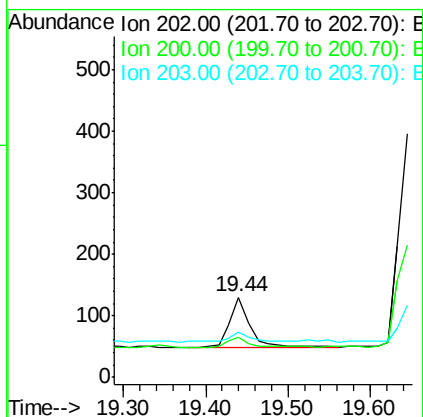
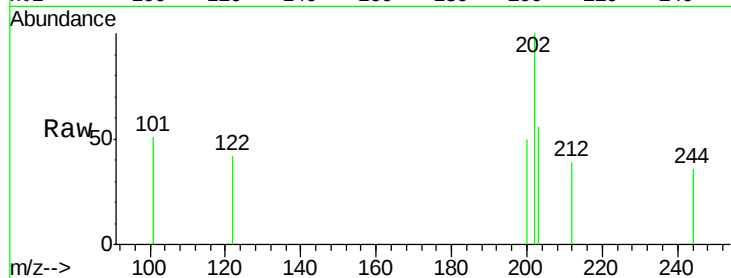




#20
Pyrene
Concen: 0.00 ng
RT: 19.44 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BM000917.D
Acq: 08 Apr 2015 19:47

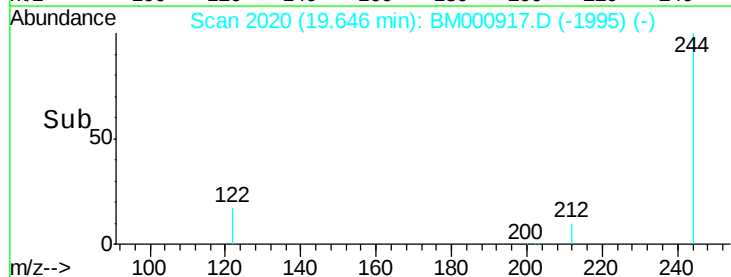
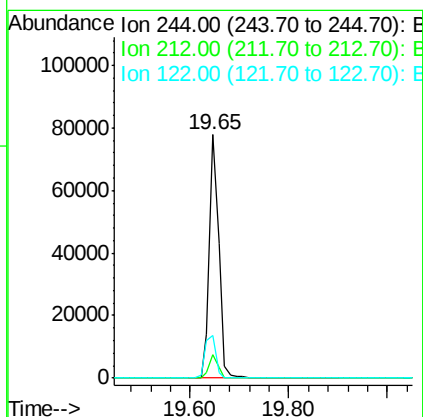
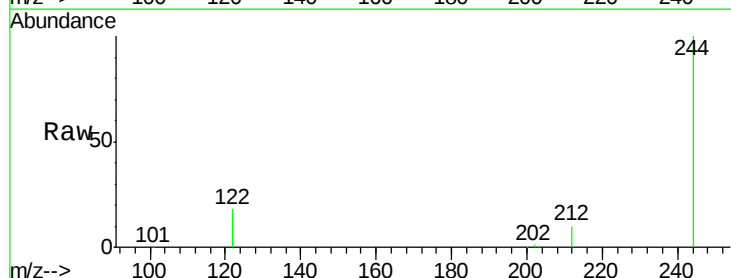
Instrument :
BNA_M
ClientSampled :
FB

Tgt Ion: 202 Resp: 132
Ion Ratio Lower Upper
202 100
200 28.8 16.2 24.2#
203 22.0 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: BM000917.D
Acq: 08 Apr 2015 19:47

Tgt Ion: 244 Resp: 103574
Ion Ratio Lower Upper
244 100
212 9.7 7.8 11.6
122 17.5 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: BM000917.D

Acq: 08 Apr 2015 19:47

Instrument :

BNA_M

ClientSampleId :

FB

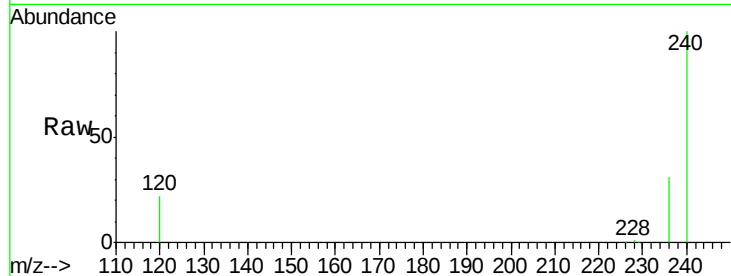
Tgt Ion:228 Resp: 462

Ion Ratio Lower Upper

228 100

226 27.8 18.6 27.8

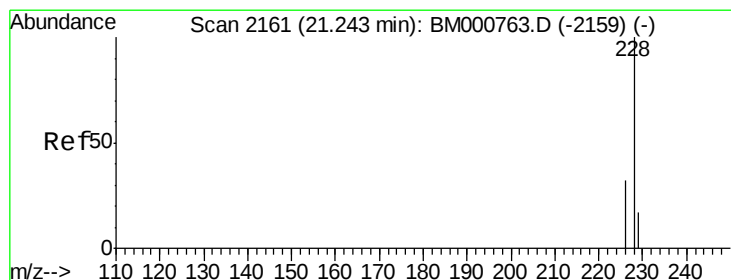
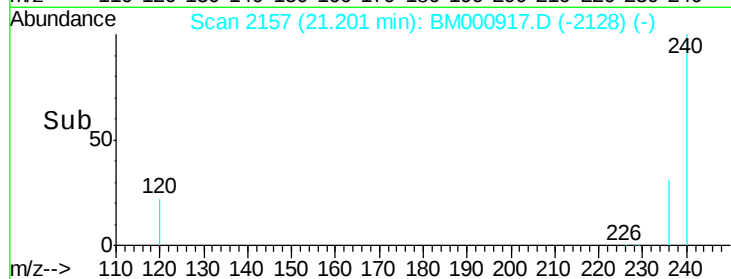
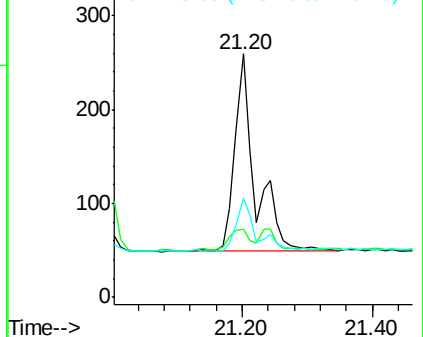
229 40.5 17.2 25.8#



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: BM000917.D

Acq: 08 Apr 2015 19:47

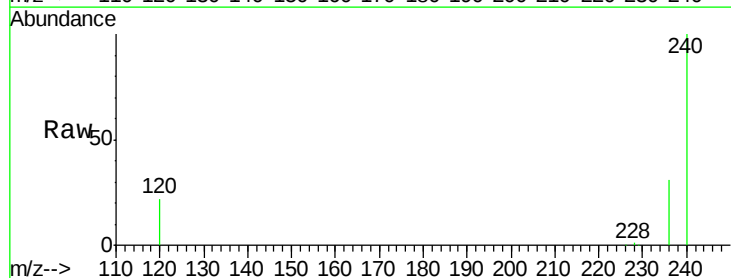
Tgt Ion:228 Resp: 462

Ion Ratio Lower Upper

228 100

226 27.8 25.8 38.8

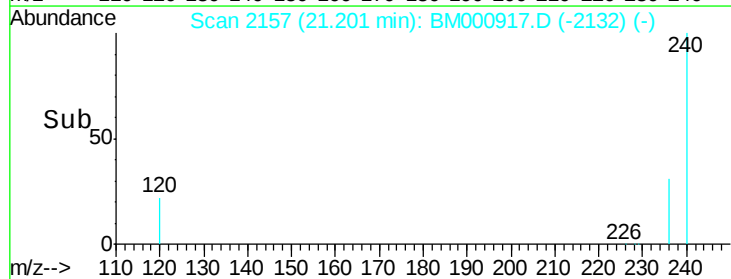
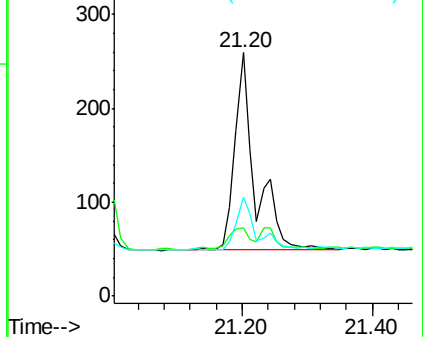
229 40.5 13.8 20.6#

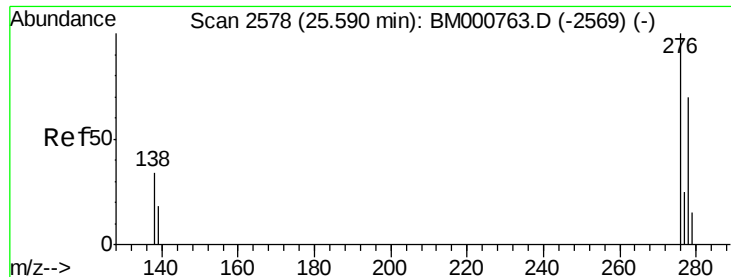


Abundance Ion 228.00 (227.70 to 228.70): E

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: 0.01 ng

RT: 25.57 min Scan# 2576

Delta R.T. 0.00 min

Lab File: BM000917.D

Acq: 08 Apr 2015 19:47

Instrument :

BNA_M

ClientSampleId :

FB

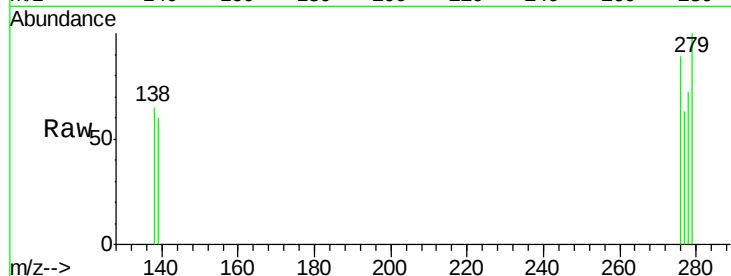
Tgt Ion:276 Resp: 191

Ion Ratio Lower Upper

276 100

138 31.4 27.4 41.2

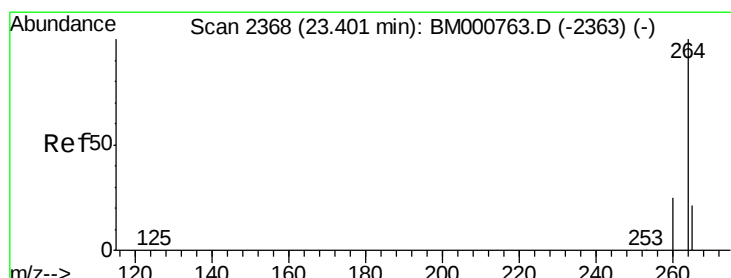
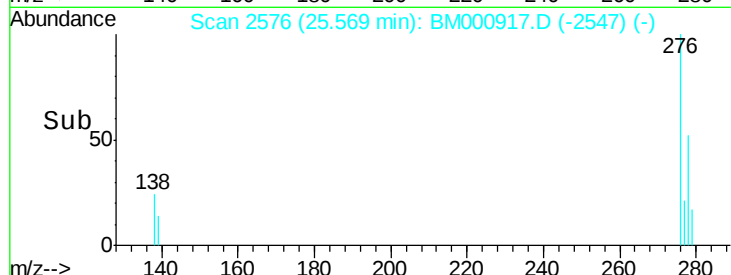
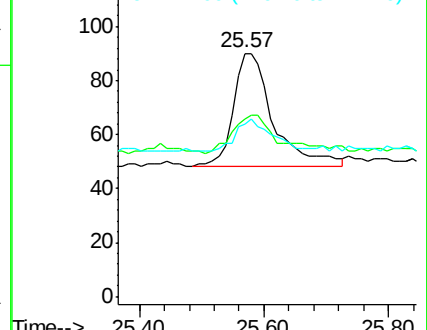
277 24.6 19.7 29.5



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: BM000917.D

Acq: 08 Apr 2015 19:47

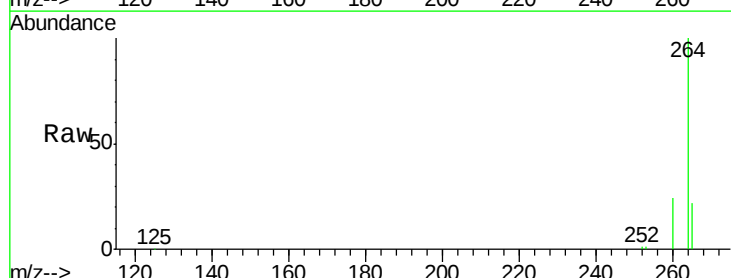
Tgt Ion:264 Resp: 73075

Ion Ratio Lower Upper

264 100

260 24.2 20.1 30.1

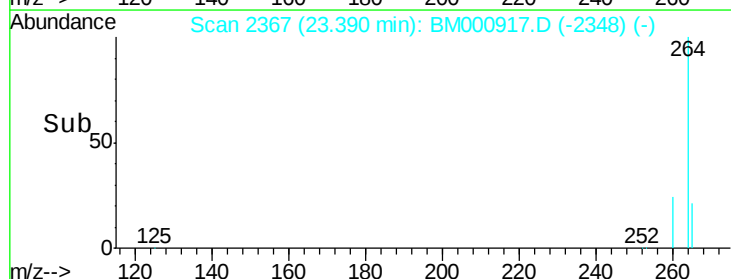
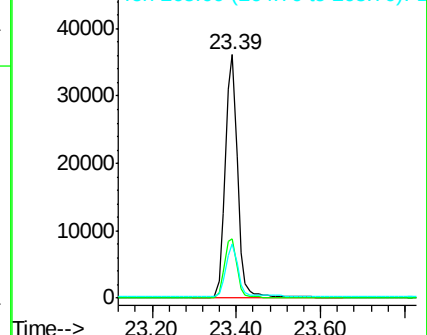
265 22.3 17.4 26.0



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: 0.01 ng

RT: 22.73 min Scan# 2304

Delta R.T. 0.00 min

Lab File: BM000917.D

Acq: 08 Apr 2015 19:47

Instrument :

BNA_M

ClientSampleId :

FB

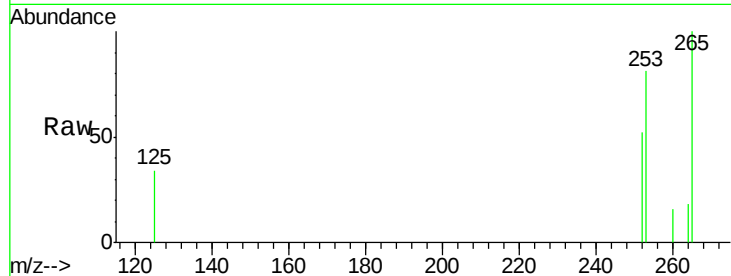
Tgt Ion:252 Resp: 135

Ion Ratio Lower Upper

252 100

253 154.1 18.5 27.7#

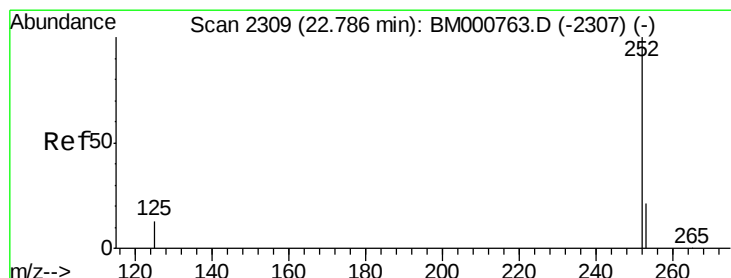
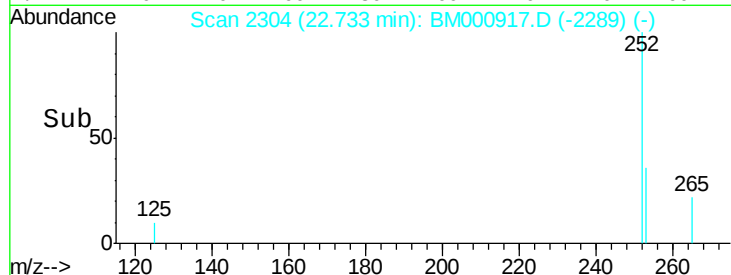
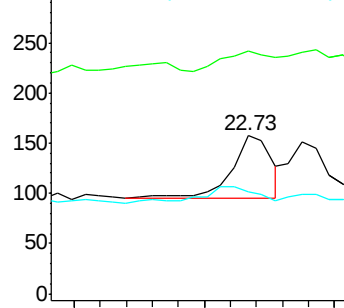
125 64.3 10.6 16.0#



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: 22.78 min Scan# 2308

Delta R.T. 0.00 min

Lab File: BM000917.D

Acq: 08 Apr 2015 19:47

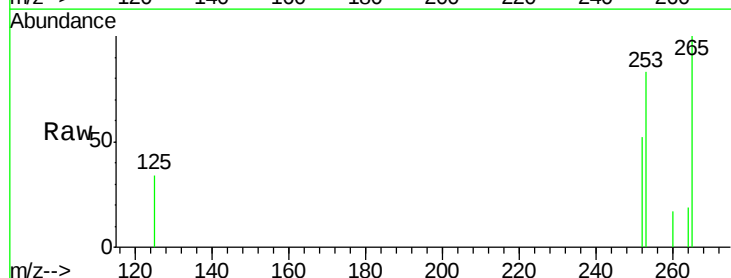
Tgt Ion:252 Resp: 99

Ion Ratio Lower Upper

252 100

253 159.6 17.9 26.9#

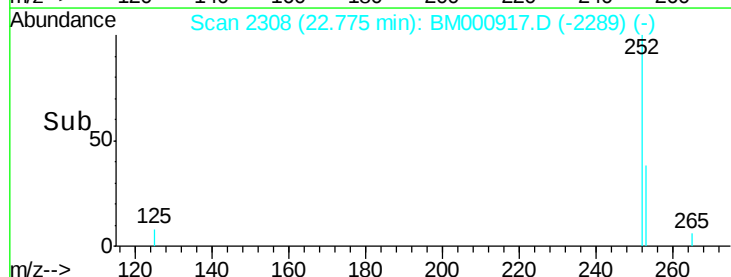
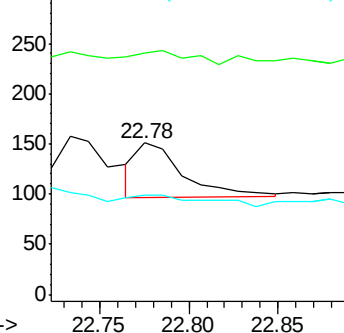
125 65.6 10.8 16.2#



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: 0.01 ng

RT: 23.29 min Scan# 2357

Delta R.T. 0.00 min

Lab File: BM000917.D

Acq: 08 Apr 2015 19:47

Instrument :

BNA_M

ClientSampleId :

FB

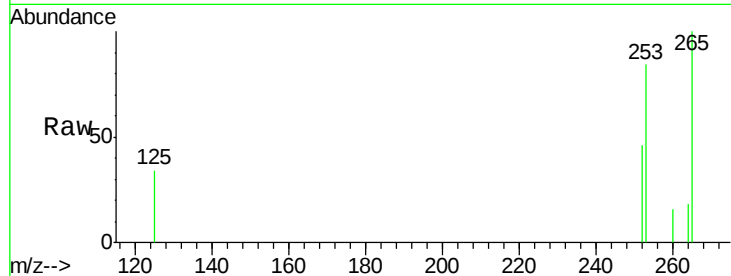
Tgt Ion: 252 Resp: 99

Ion Ratio Lower Upper

252 100

253 182.6 19.4 29.2#

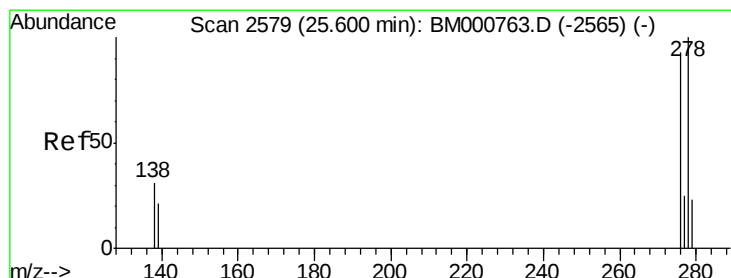
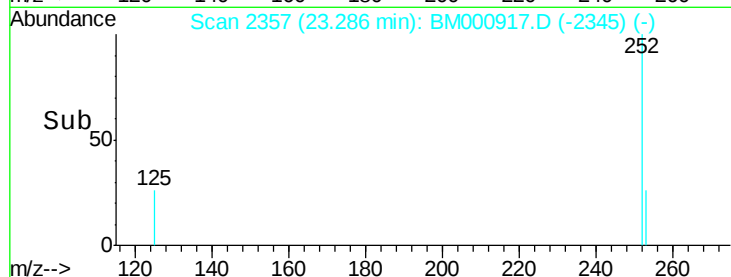
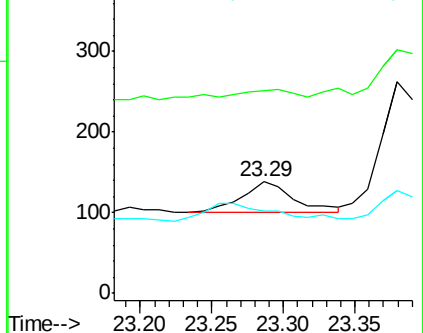
125 74.6 11.5 17.3#



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



#29

Dibenzo(a,h)anthracene

Concen: 0.01 ng

RT: 25.59 min Scan# 2578

Delta R.T. 0.01 min

Lab File: BM000917.D

Acq: 08 Apr 2015 19:47

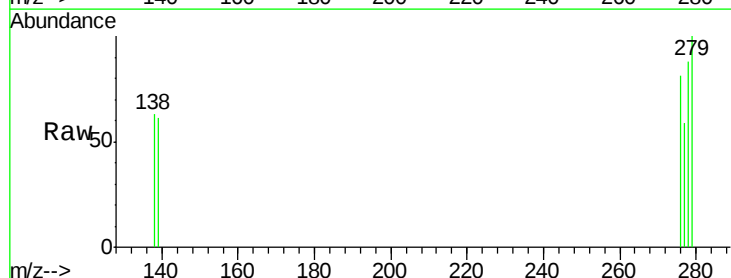
Tgt Ion: 278 Resp: 178

Ion Ratio Lower Upper

278 100

139 69.9 17.8 26.6#

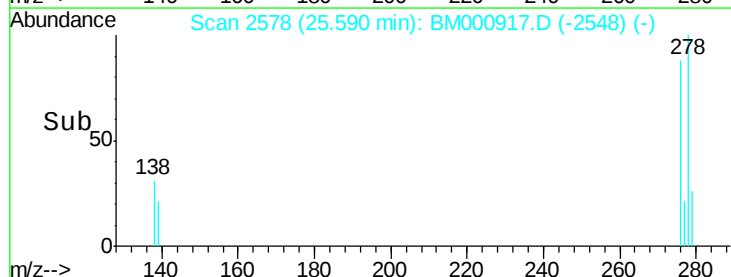
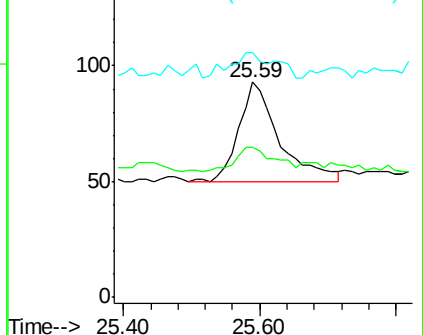
279 114.0 19.3 28.9#



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





#30

Benzo(g,h,i)perylene

Concen: 0.01 ng

RT: 26.24 min Scan# 2640

Delta R.T. 0.01 min

Lab File: BM000917.D

Acq: 08 Apr 2015 19:47

Instrument :

BNA_M

ClientSampleId :

FB

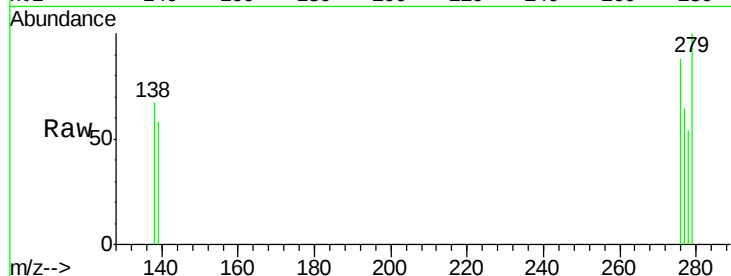
Tgt Ion: 276 Resp: 144

Ion Ratio Lower Upper

276 100

277 72.9 19.1 28.7#

138 76.5 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

