

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041015\
 Data File : BM000939.D
 Acq On : 10 Apr 2015 15:03
 Operator : TP/IZ
 Sample : PB82421BSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB82421BSD

Quant Time: Apr 10 23:19:00 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM040915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 10 23:03:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	29939	5.00	ng	0.00
8) Naphthalene-d8	10.38	136	112134	5.00	ng	0.00
17) Acenaphthene-d10	14.25	164	48554	5.00	ng	-0.01
24) Phenanthrene-d10	16.99	188	109726	5.00	ng	-0.01
30) Chrysene-d12	21.20	240	103943	5.00	ng	0.00
38) Perylene-d12	23.39	264	93282	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	70476	11.12	ng	0.00
5) Phenol-d6	6.78	99	90940	11.99	ng	0.00
9) Nitrobenzene-d5	8.76	82	51472	9.51	ng	0.00
18) 2,4,6-Tribromophenol	15.75	330	34061	16.78	ng	-0.01
19) 2-Fluorobiphenyl	12.88	172	145725	10.71	ng	0.00
33) Terphenyl-d14	19.66	244	119198	9.42	ng	0.01

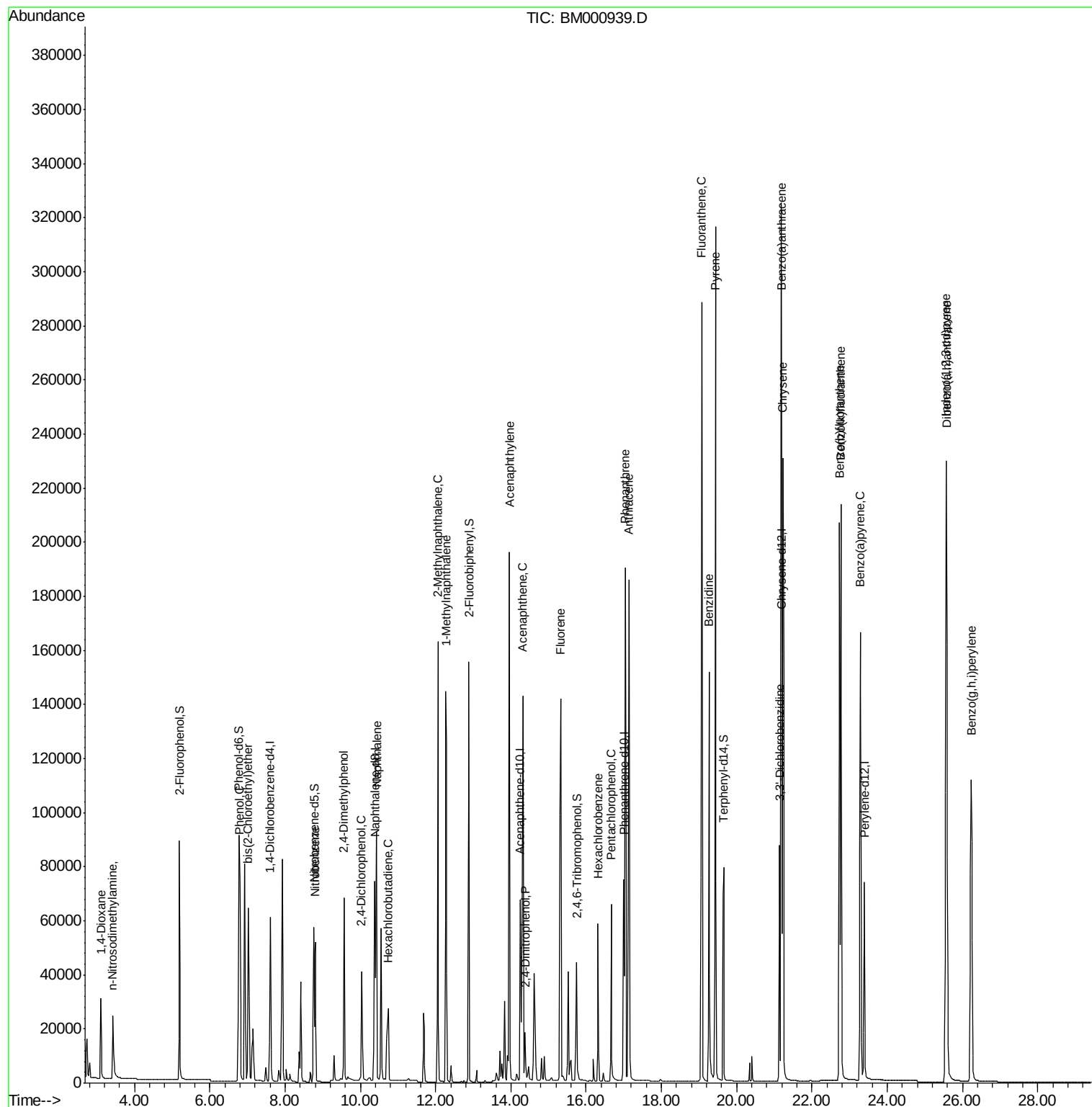
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.10	88	19255	7.64	ng	94
3) n-Nitrosodimethylamine	3.41	42	23243	7.99	ng	# 59
6) Phenol	6.80	94	60018	7.70	ng	# 49
7) bis(2-Chloroethyl)ether	7.02	93	53463	7.82	ng	# 1
10) Nitrobenzene	8.80	77	57186	7.19	ng	93
11) 2,4-Dimethylphenol	9.56	122	46804	7.58	ng	95
12) 2,4-Dichlorophenol	10.03	162	44224	8.12	ng	85
13) Naphthalene	10.44	128	167846	7.42	ng	99
14) Hexachlorobutadiene	10.74	225	28819	6.97	ng	98
15) 2-Methylnaphthalene	12.06	142	116125	7.52	ng	99
16) 1-Methylnaphthalene	12.28	142	106366	6.83	ng	85
20) Acenaphthylene	13.96	152	233452	11.60	ng	100
21) Acenaphthene	14.32	154	124241	9.27	ng	98
22) 2,4-Dinitrophenol	14.37	184	15993	11.26	ng	# 10
23) Fluorene	15.32	166	134748	8.64	ng	99
25) Hexachlorobenzene	16.32	284	53741	9.06	ng	95
26) Pentachlorophenol	16.67	266	46395	19.56	ng	98
27) Phenanthrene	17.04	178	237209	8.37	ng	98
28) Anthracene	17.14	178	239379	9.21	ng	99
29) Fluoranthene	19.07	202	275163	9.28	ng	97
31) Benzidine	19.26	184	192387	13.31	ng	95
32) Pyrene	19.43	202	292889	8.67	ng	98
34) Benzo(a)anthracene	21.18	228	267542	8.92	ng	95
35) 3,3'-Dichlorobenzidine	21.14	252	82661	7.07	ng	# 69
36) Chrysene	21.23	228	245297	8.00	ng	94
37) Indeno(1,2,3-cd)pyrene	25.57	276	256719	8.20	ng	99
39) Benzo(b)fluoranthene	22.73	252	250130	8.57	ng	98
40) Benzo(k)fluoranthene	22.77	252	241231	8.59	ng	99
41) Benzo(a)pyrene	23.28	252	231184	8.99	ng	95
42) Dibenzo(a,h)anthracene	25.58	278	207109	8.69	ng	99
43) Benzo(g,h,i)perylene	26.23	276	220112	8.37	ng	98

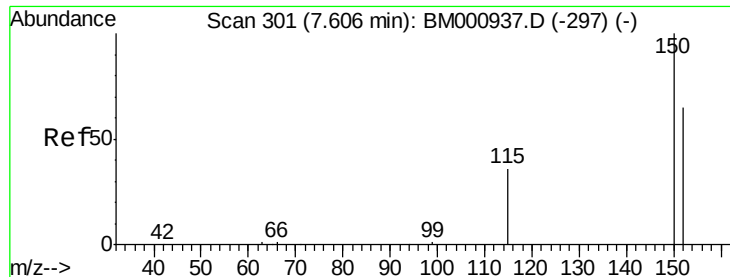
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.61 min Scan# 301

Delta R.T. 0.00 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

Instrument :

BNA_M

ClientSampleId :

PB82421BSD

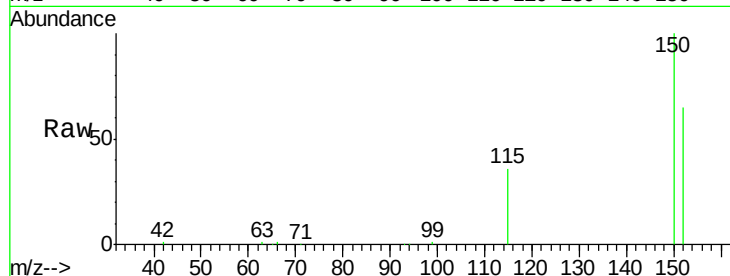
Tgt Ion:152 Resp: 29939

Ion Ratio Lower Upper

152 100

150 154.3 125.4 188.2

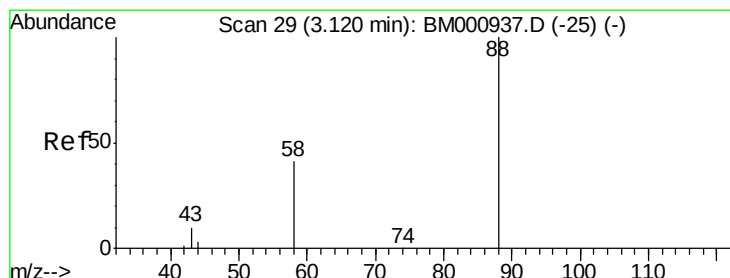
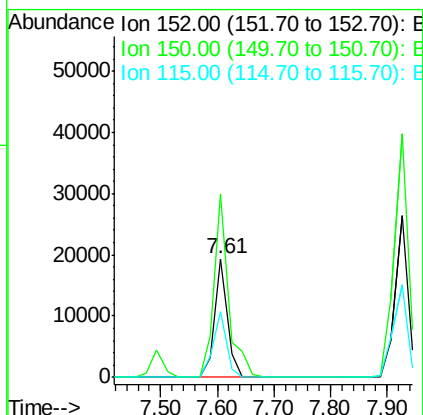
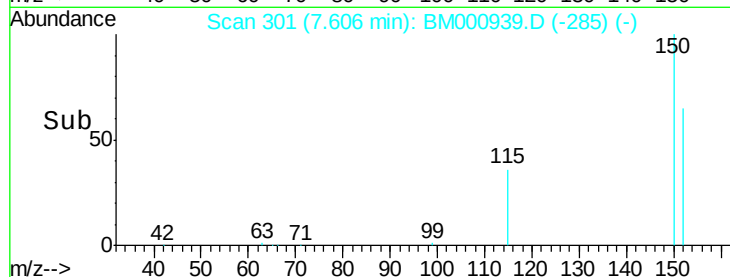
115 55.5 45.9 68.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 7.64 ng

RT: 3.10 min Scan# 28

Delta R.T. -0.02 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

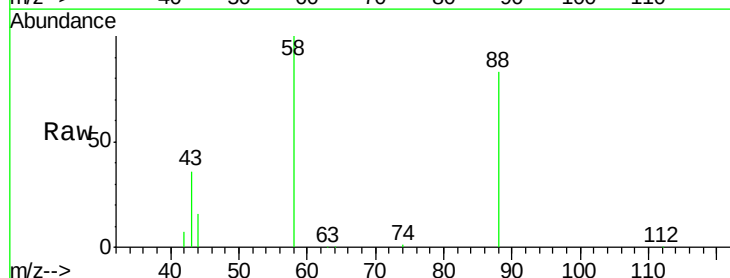
Tgt Ion: 88 Resp: 19255

Ion Ratio Lower Upper

88 100

58 86.2 63.0 94.6

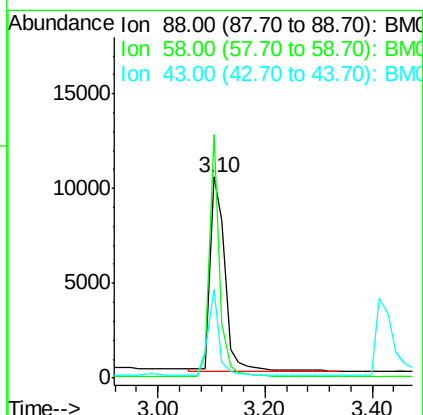
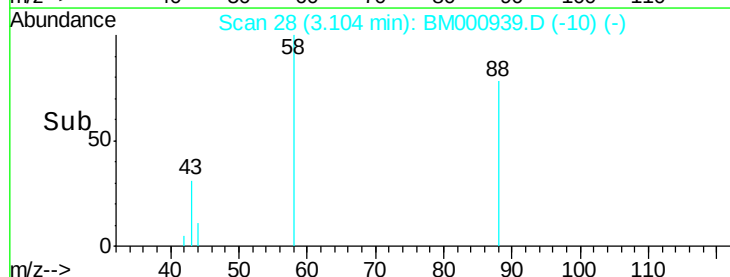
43 33.5 27.0 40.4

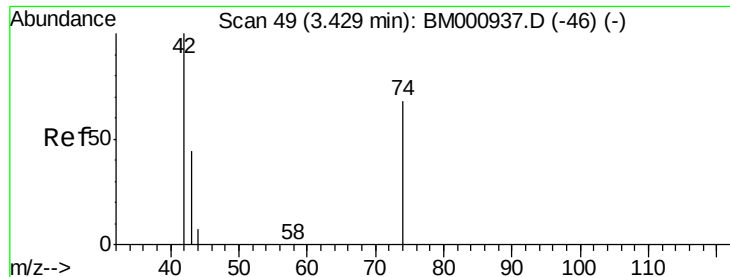


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 7.99 ng

RT: 3.41 min Scan# 48

Delta R.T. -0.02 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

Instrument :

BNA_M

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PB82421BSD

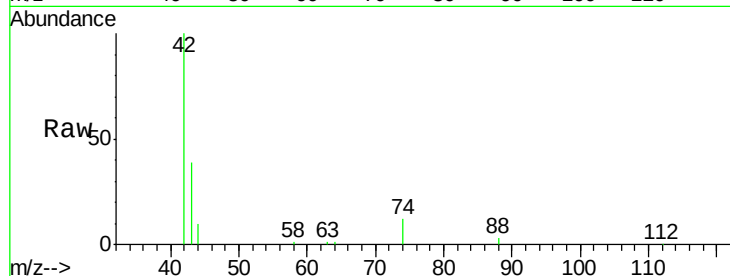
Tgt Ion: 42 Resp: 23243

Ion Ratio Lower Upper

42 100

74 11.6 26.0 39.0#

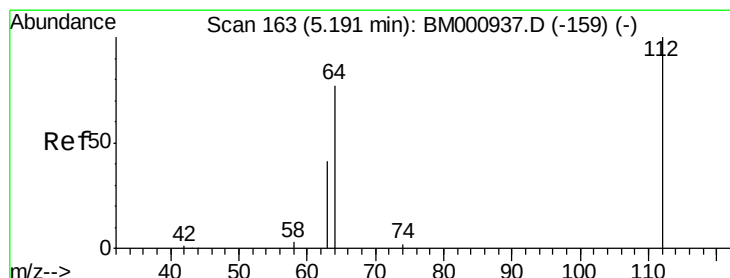
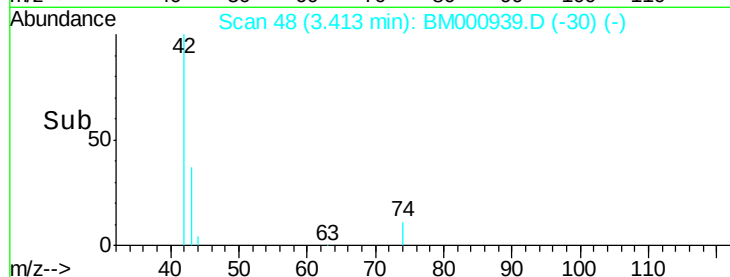
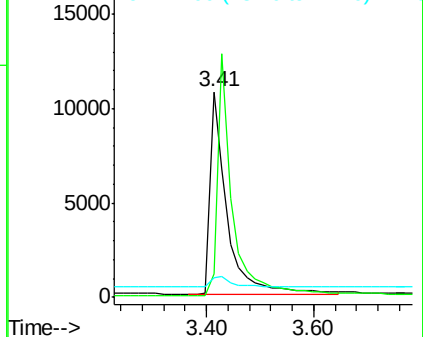
44 9.7 29.0 43.4#



Abundance Ion 42.00 (41.70 to 42.70): BM000937.D (-46) (-)

Ion 74.00 (73.70 to 74.70): BM000937.D (-46) (-)

Ion 44.00 (43.70 to 44.70): BM000937.D (-46) (-)



#4

2-Fluorophenol

Concen: 11.12 ng

RT: 5.19 min Scan# 163

Delta R.T. 0.00 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

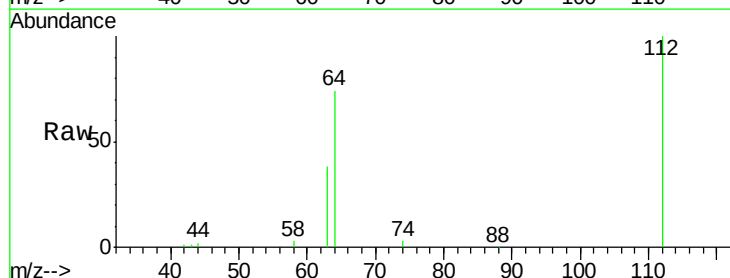
Tgt Ion: 112 Resp: 70476

Ion Ratio Lower Upper

112 100

64 74.0 31.8 47.8#

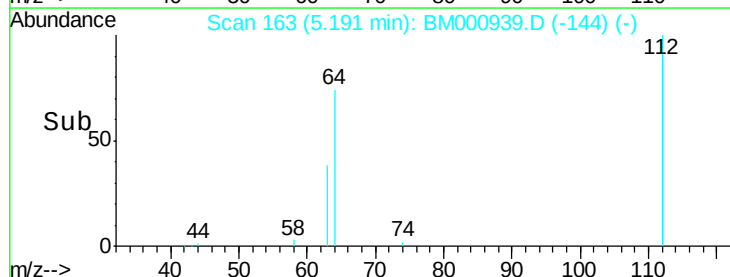
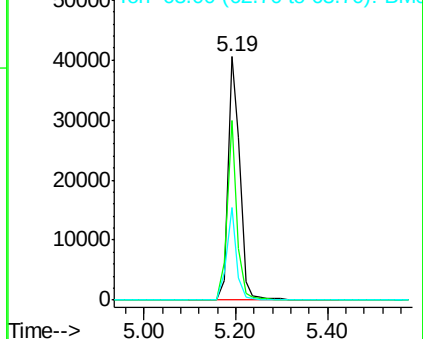
63 38.1 14.5 21.7#

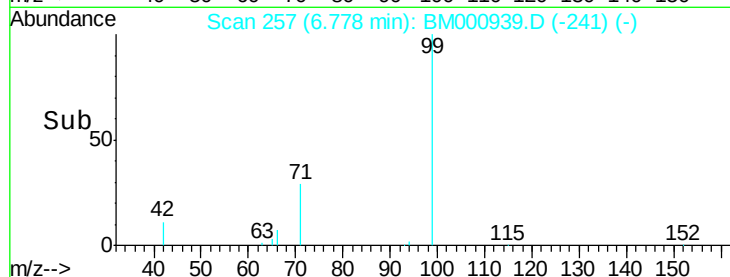
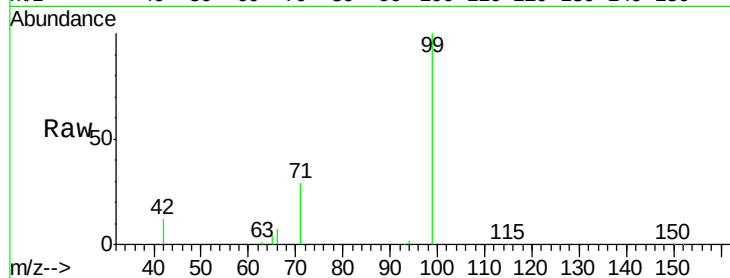
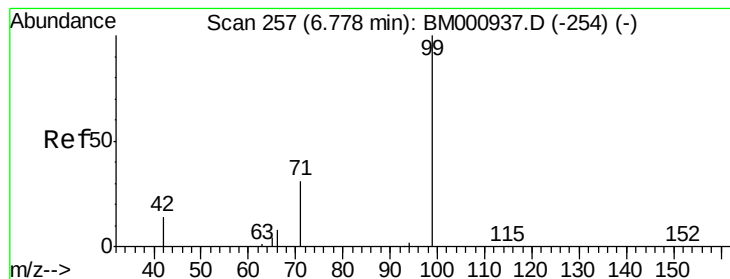


Abundance Ion 112.00 (111.70 to 112.70): BM000937.D (-159) (-)

Ion 64.00 (63.70 to 64.70): BM000937.D (-159) (-)

Ion 63.00 (62.70 to 63.70): BM000937.D (-159) (-)





#5

Phenol-d6

Concen: 11.99 ng

RT: 6.78 min Scan# 257

Delta R.T. 0.00 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

Instrument :

BNA_M

ClientSampleId :

PB82421BSD

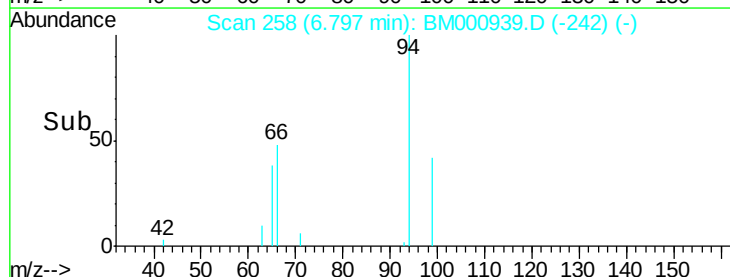
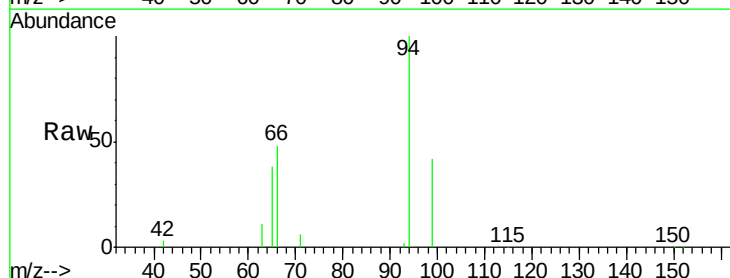
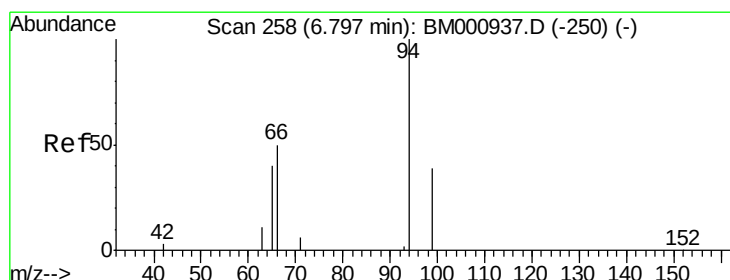
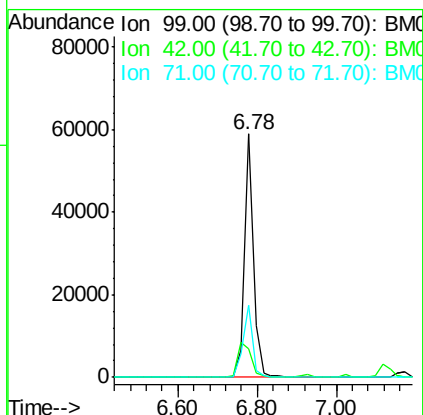
Tgt Ion: 99 Resp: 90940

Ion Ratio Lower Upper

99 100

42 11.7 14.1 21.1#

71 29.5 28.0 42.0



#6

Phenol

Concen: 7.70 ng

RT: 6.80 min Scan# 258

Delta R.T. 0.00 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

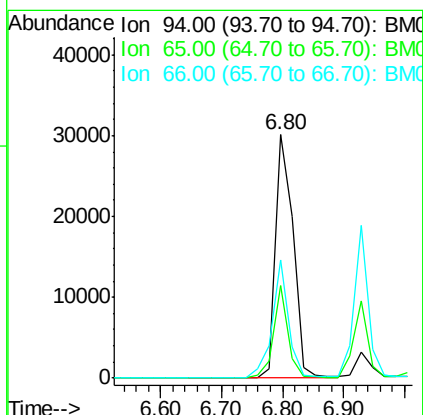
Tgt Ion: 94 Resp: 60018

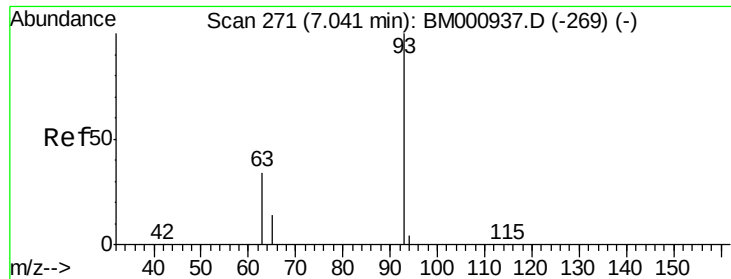
Ion Ratio Lower Upper

94 100

65 38.0 0.0 36.0#

66 48.3 3.7 43.7#





#7

bis(2-Chloroethyl)ether

Concen: 7.82 ng

RT: 7.02 min Scan# 270

Delta R.T. -0.02 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

Instrument :

BNA_M

ClientSampleId :

PB82421BSD

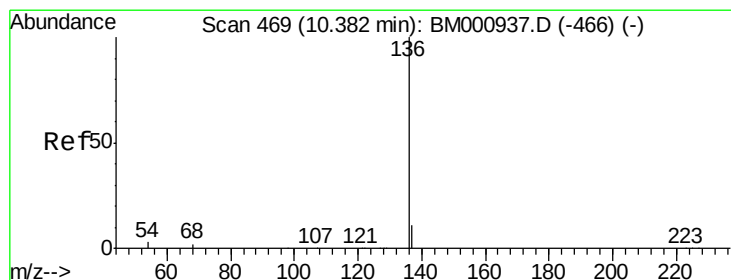
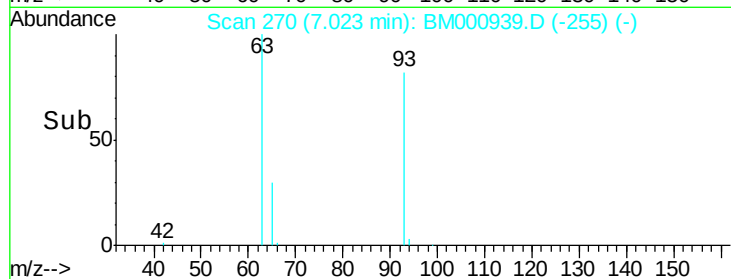
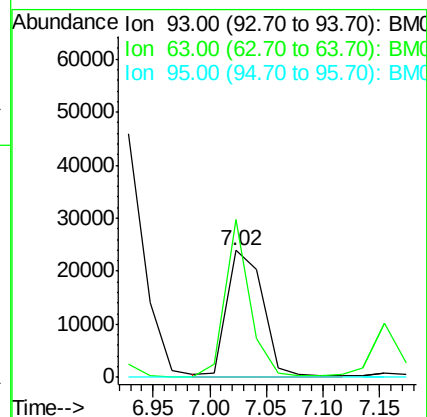
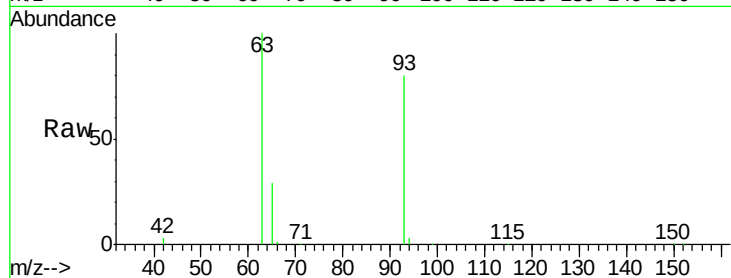
Tgt Ion: 93 Resp: 53463

Ion Ratio Lower Upper

93 100

63 124.6 24.0 64.0#

95 0.0 0.0 20.0



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.38 min Scan# 469

Delta R.T. 0.00 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

Tgt Ion: 136 Resp: 112134

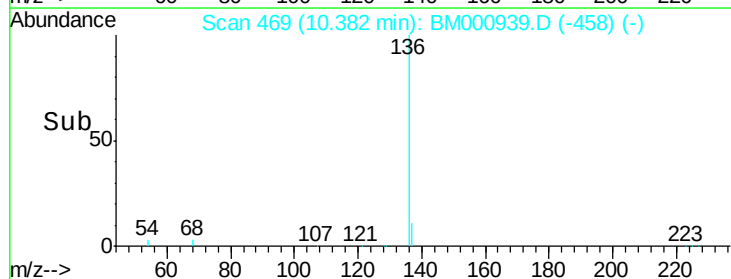
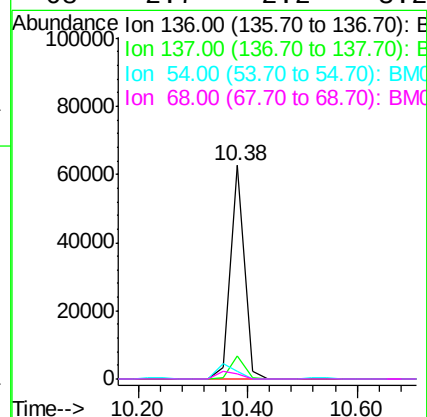
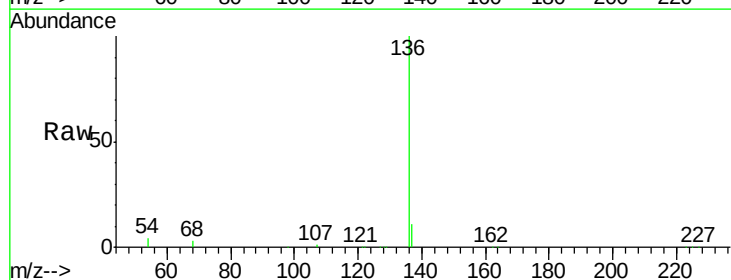
Ion Ratio Lower Upper

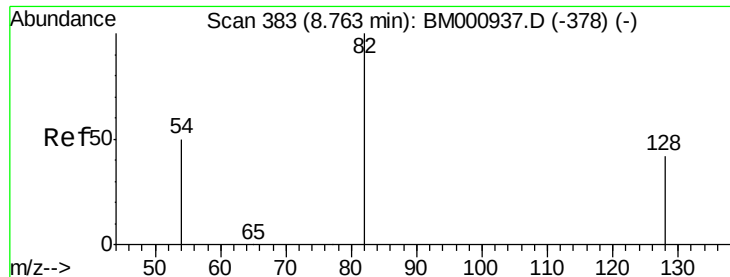
136 100

137 10.9 8.6 13.0

54 3.5 2.9 4.3

68 2.7 2.2 3.2

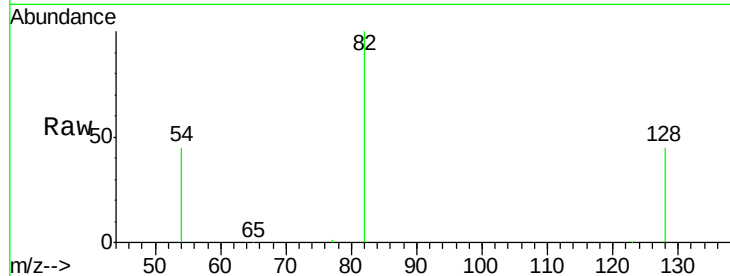




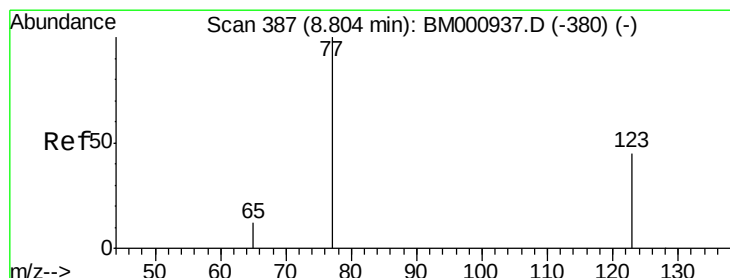
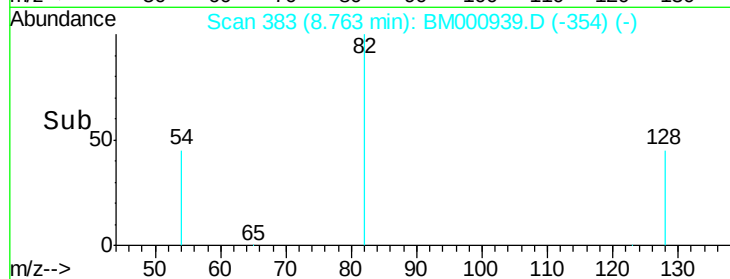
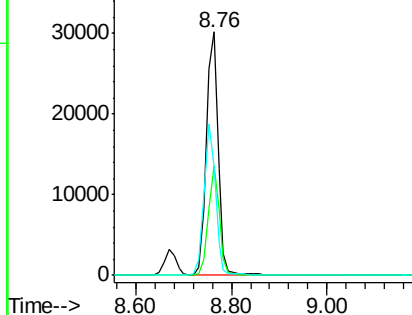
#9
 Nitrobenzene-d5
 Concen: 9.51 ng
 RT: 8.76 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: BM000939.D
 Acq: 10 Apr 2015 15:03

Instrument :
 BNA_M
 ClientSampleId :
 PB82421BSD

Tgt Ion: 82 Resp: 51472
 Ion Ratio Lower Upper
 82 100
 128 44.8 33.4 50.0
 54 45.0 40.5 60.7

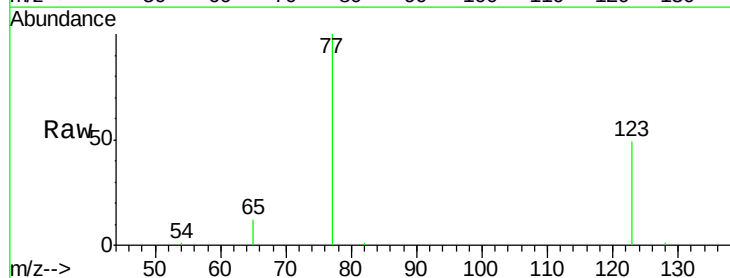


Abundance Ion 82.00 (81.70 to 82.70): BM0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BM0

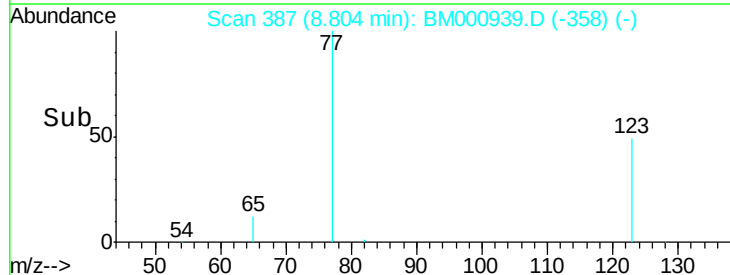
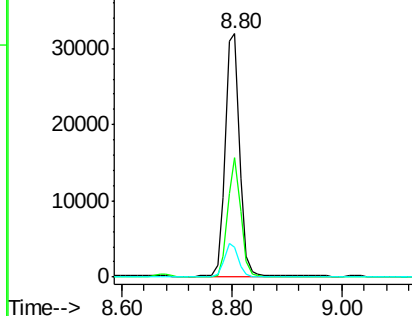


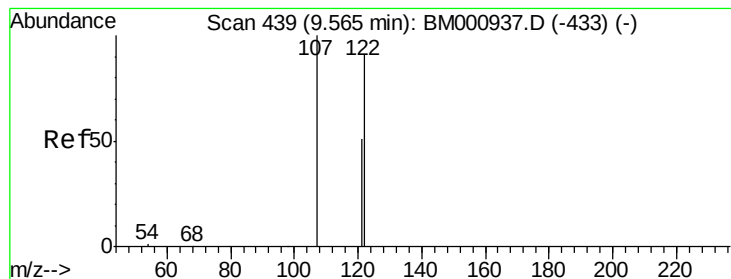
#10
 Nitrobenzene
 Concen: 7.19 ng
 RT: 8.80 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: BM000939.D
 Acq: 10 Apr 2015 15:03

Tgt Ion: 77 Resp: 57186
 Ion Ratio Lower Upper
 77 100
 123 49.2 35.0 52.6
 65 12.4 10.7 16.1



Abundance Ion 77.00 (76.70 to 77.70): BM0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BM0





#11

2,4-Dimethylphenol

Concen: 7.58 ng

RT: 9.56 min Scan# 439

Delta R.T. 0.00 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

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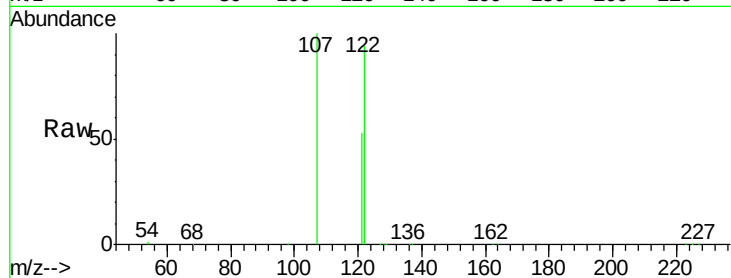
Tgt Ion:122 Resp: 46804

Ion Ratio Lower Upper

122 100

107 106.5 89.8 134.6

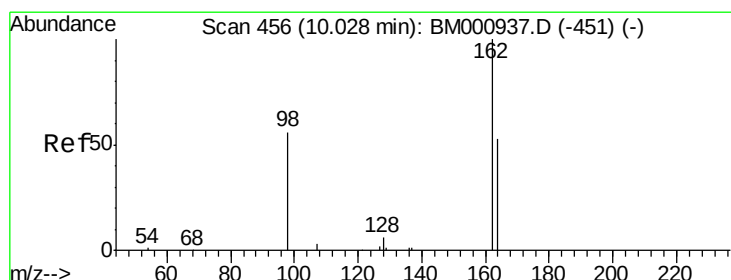
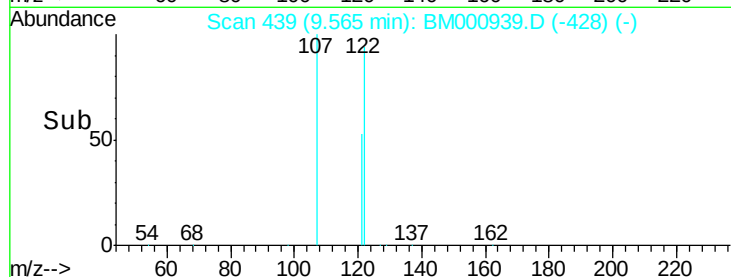
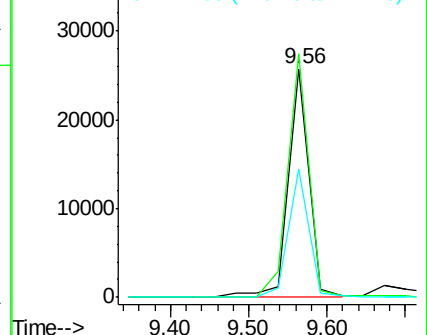
121 56.1 46.6 70.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#12

2,4-Dichlorophenol

Concen: 8.12 ng

RT: 10.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

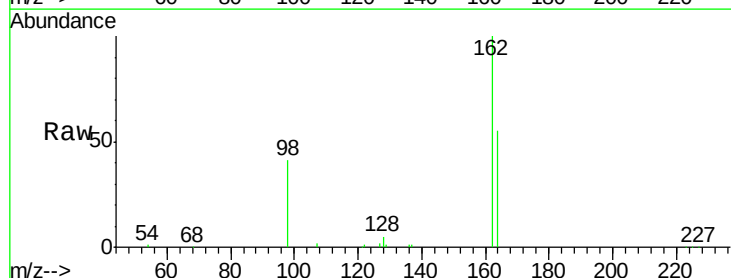
Tgt Ion:162 Resp: 44224

Ion Ratio Lower Upper

162 100

164 54.8 32.5 72.5

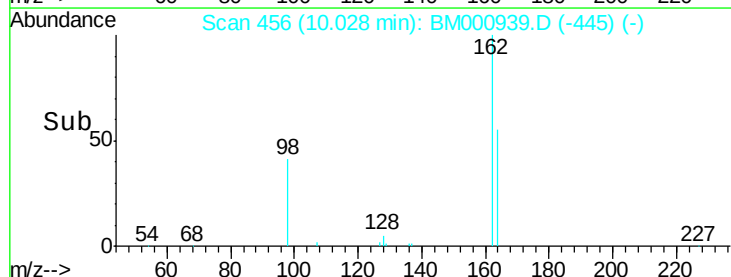
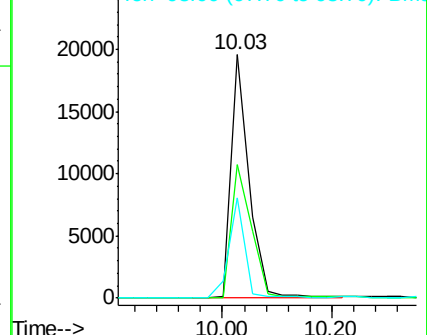
98 41.1 40.5 80.5

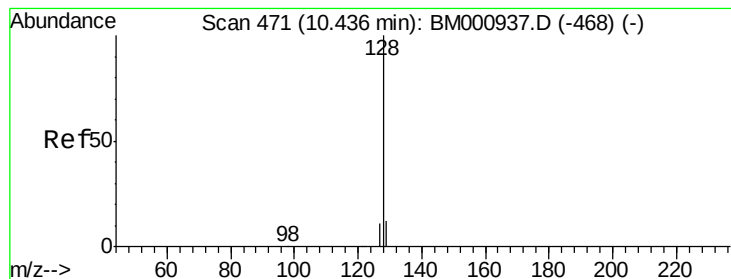


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM





#13

Naphthalene

Concen: 7.42 ng

RT: 10.44 min Scan# 471

Delta R.T. 0.00 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

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PB82421BSD

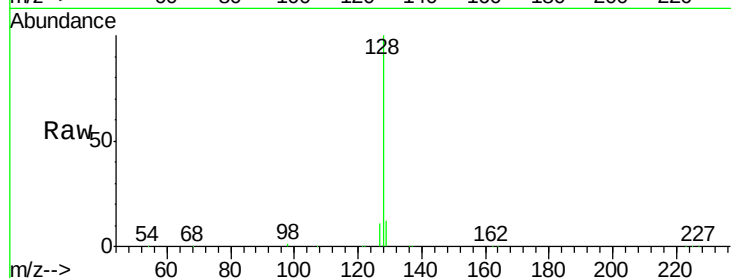
Tgt Ion:128 Resp: 167846

Ion Ratio Lower Upper

128 100

129 11.9 9.8 14.6

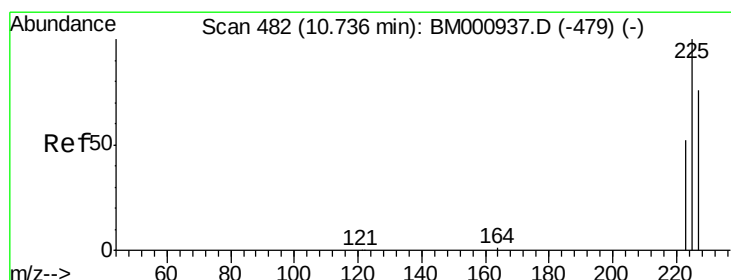
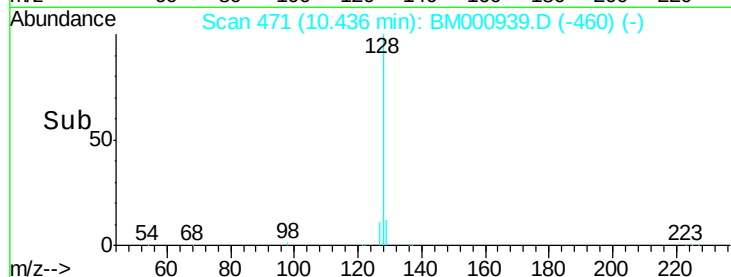
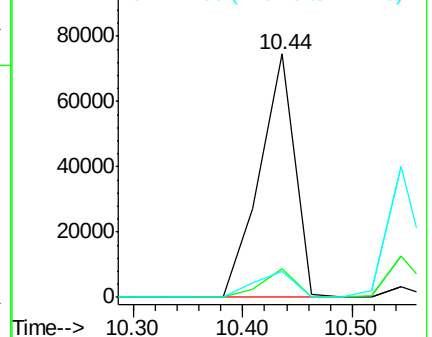
127 10.8 9.1 13.7



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



#14

Hexachlorobutadiene

Concen: 6.97 ng

RT: 10.74 min Scan# 482

Delta R.T. 0.00 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

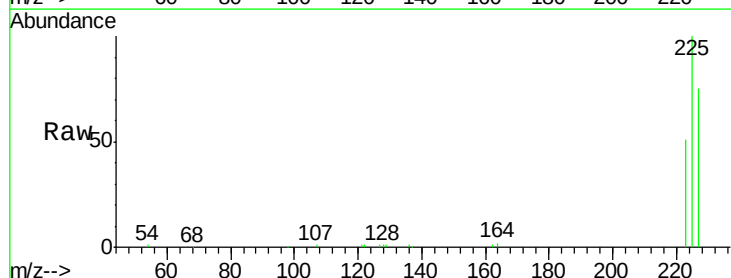
Tgt Ion:225 Resp: 28819

Ion Ratio Lower Upper

225 100

223 51.3 42.2 63.2

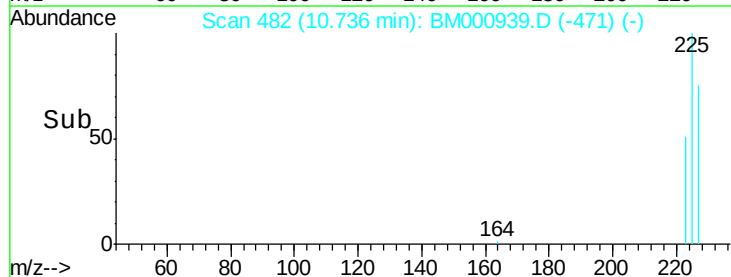
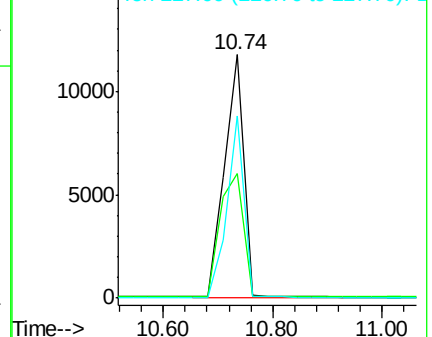
227 74.9 61.4 92.2

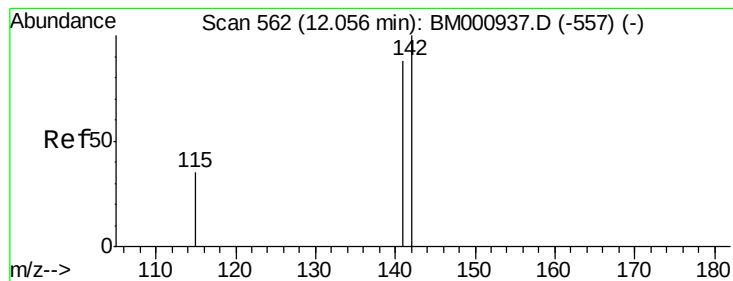


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#15

2-Methylnaphthalene

Concen: 7.52 ng

RT: 12.06 min Scan# 562

Delta R.T. 0.00 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

Instrument :

BNA_M

ClientSampleId :

PB82421BSD

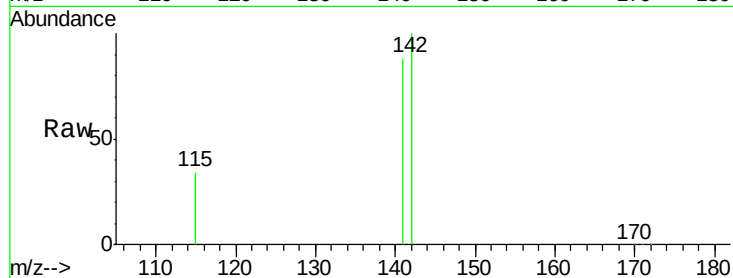
Tgt Ion:142 Resp: 116125

Ion Ratio Lower Upper

142 100

141 87.9 71.2 106.8

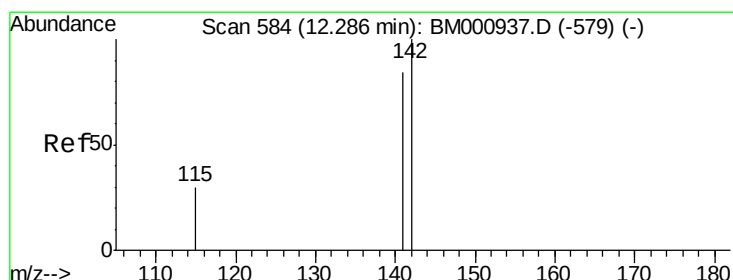
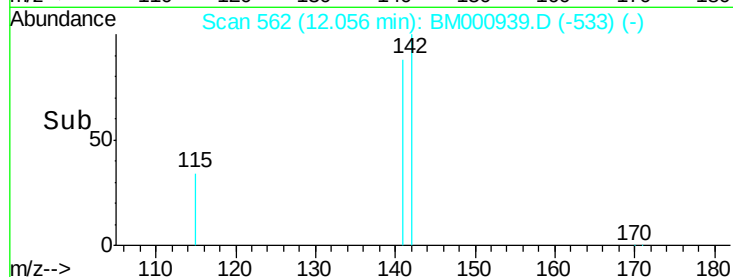
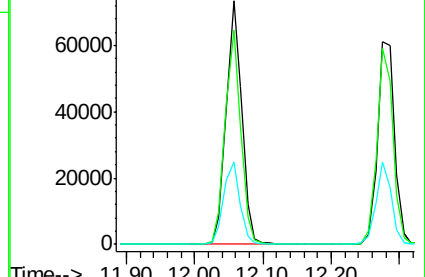
115 34.0 28.3 42.5



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



#16

1-Methylnaphthalene

Concen: 6.83 ng

RT: 12.28 min Scan# 583

Delta R.T. -0.01 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

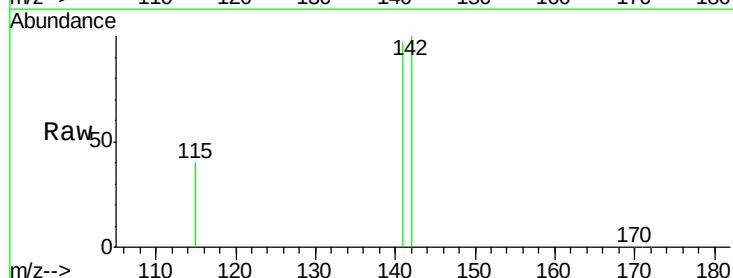
Tgt Ion:142 Resp: 106366

Ion Ratio Lower Upper

142 100

141 97.1 66.7 100.1

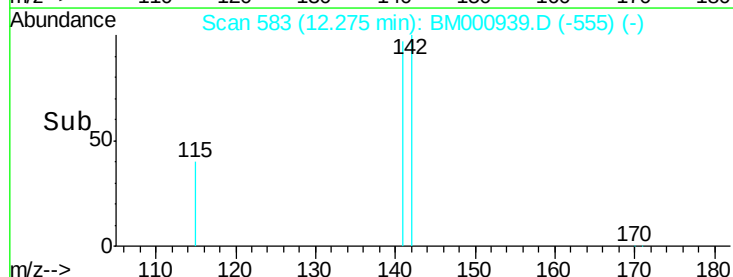
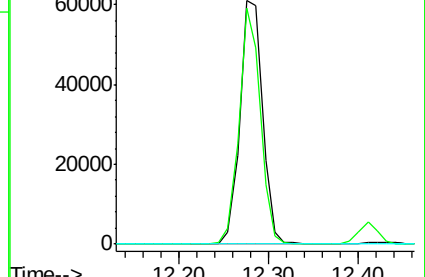
116 0.0 0.0 0.0

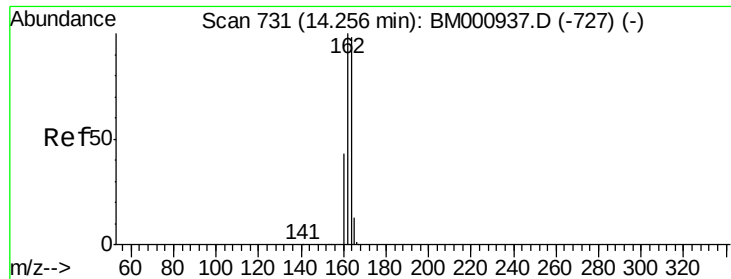


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#17

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.25 min Scan# 730

Delta R.T. -0.01 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

Instrument :

BNA_M

ClientSampleId :

PB82421BSD

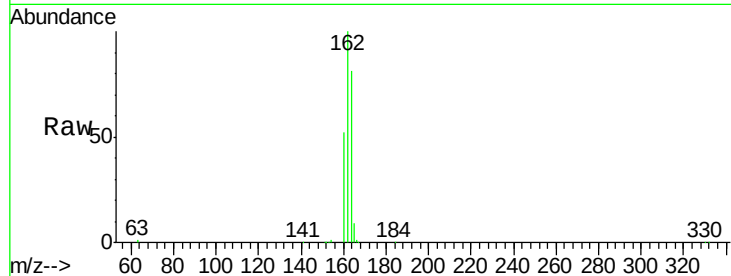
Tgt Ion:164 Resp: 48554

Ion Ratio Lower Upper

164 100

162 122.9 96.1 144.1

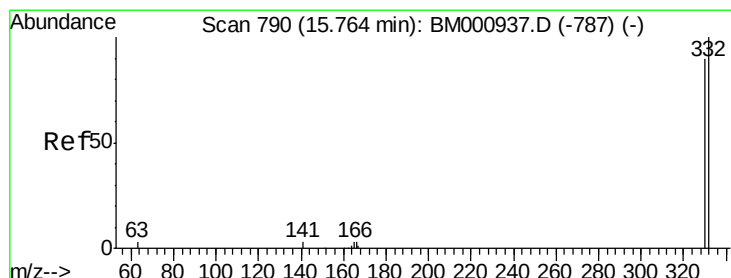
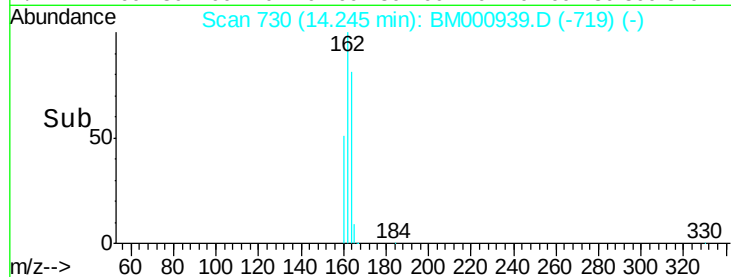
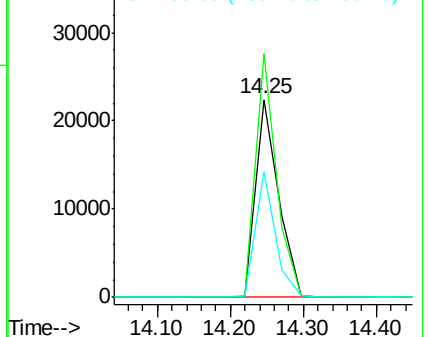
160 63.4 48.2 72.2



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



#18

2,4,6-Tribromophenol

Concen: 16.78 ng

RT: 15.75 min Scan# 789

Delta R.T. -0.01 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

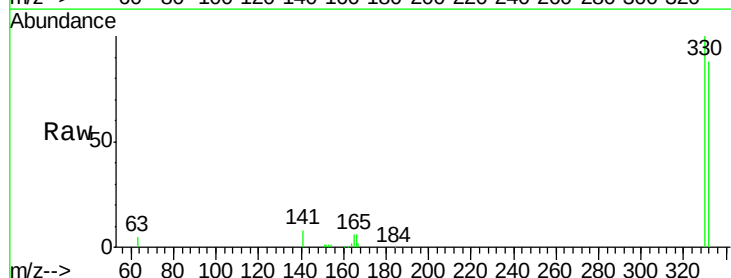
Tgt Ion:330 Resp: 34061

Ion Ratio Lower Upper

330 100

332 91.1 75.4 113.2

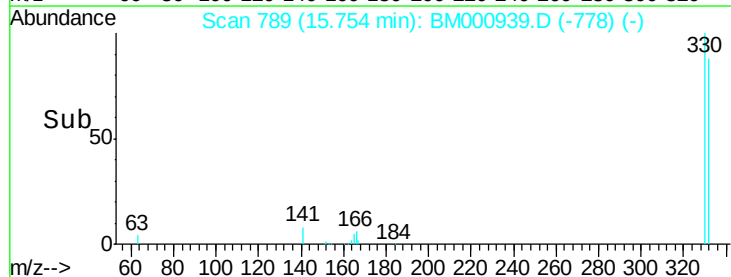
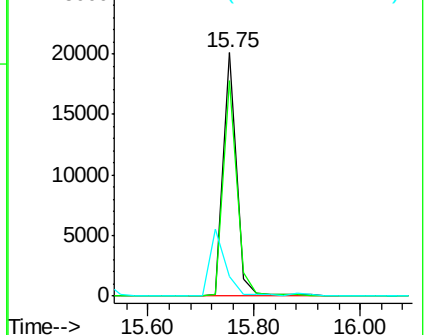
141 0.0 0.0 0.0

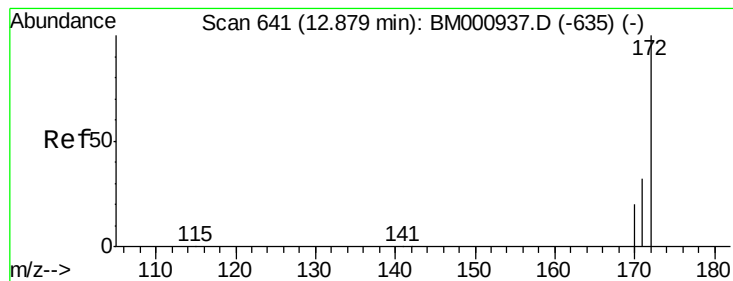


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#19

2-Fluorobiphenyl

Concen: 10.71 ng

RT: 12.88 min Scan# 641

Delta R.T. 0.00 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

Instrument :

BNA_M

ClientSampleId :

PB82421BSD

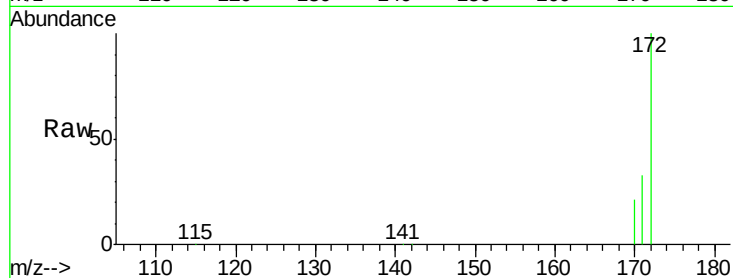
Tgt Ion:172 Resp: 145725

Ion Ratio Lower Upper

172 100

171 33.2 26.7 40.1

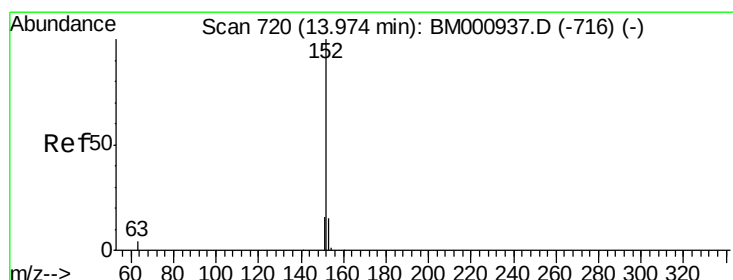
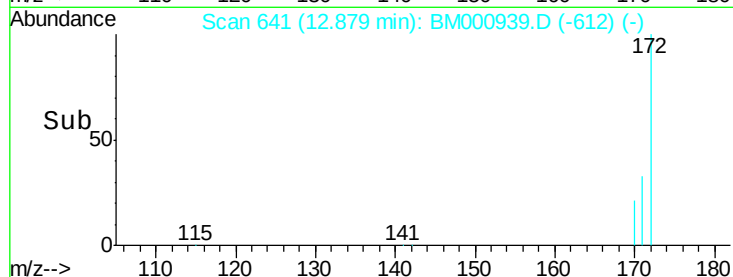
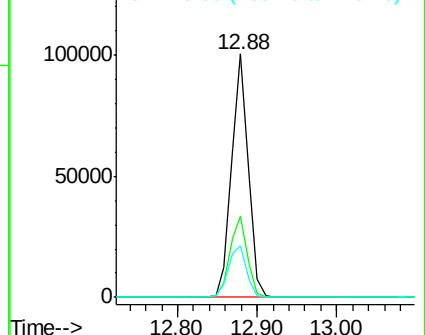
170 21.0 17.0 25.4



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



#20

Acenaphthylene

Concen: 11.60 ng

RT: 13.96 min Scan# 719

Delta R.T. -0.01 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

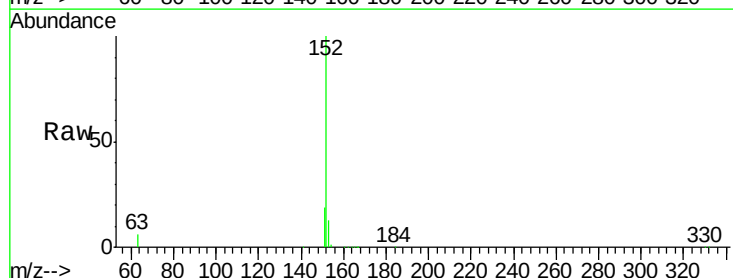
Tgt Ion:152 Resp: 233452

Ion Ratio Lower Upper

152 100

151 19.1 15.4 23.0

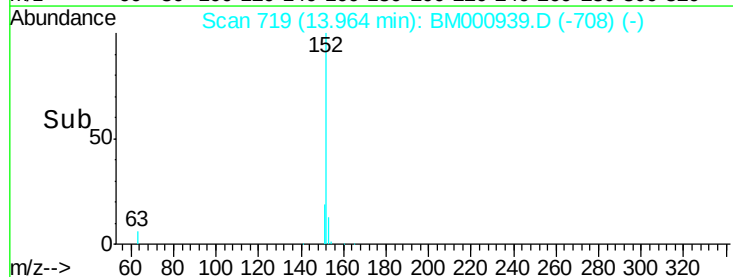
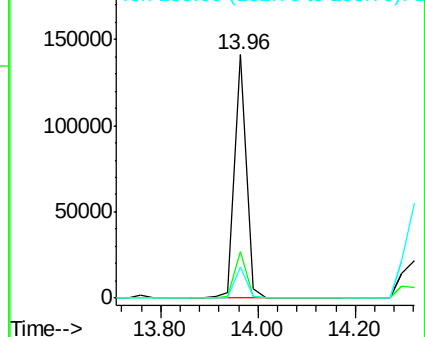
153 12.6 10.2 15.2

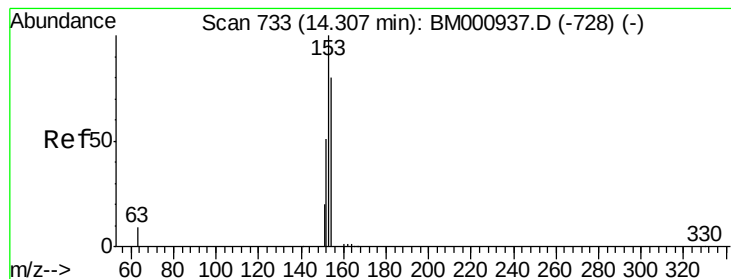


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#21

Acenaphthene

Concen: 9.27 ng

RT: 14.32 min Scan# 733

Delta R.T. 0.02 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

Instrument :

BNA_M

ClientSampleId :

PB82421BSD

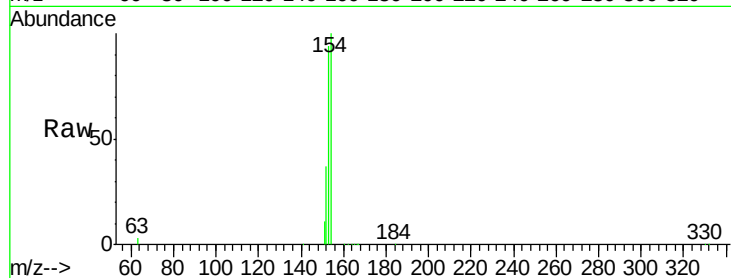
Tgt Ion:154 Resp: 124241

Ion Ratio Lower Upper

154 100

153 94.4 73.7 110.5

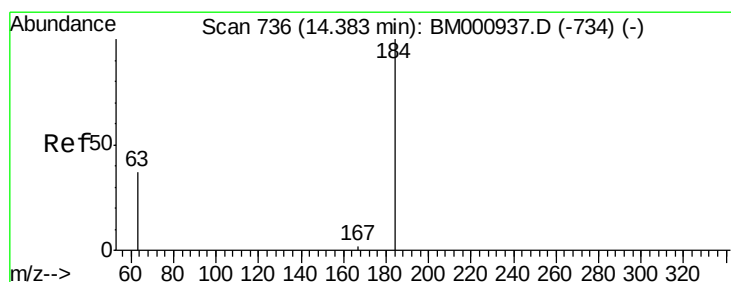
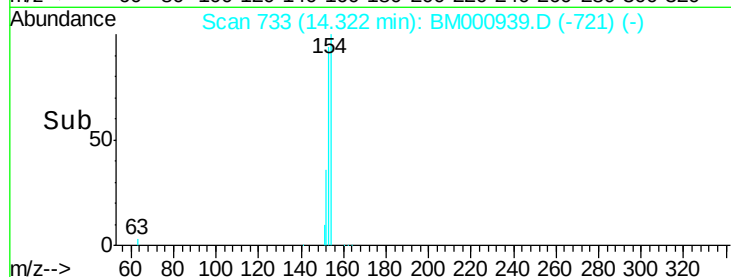
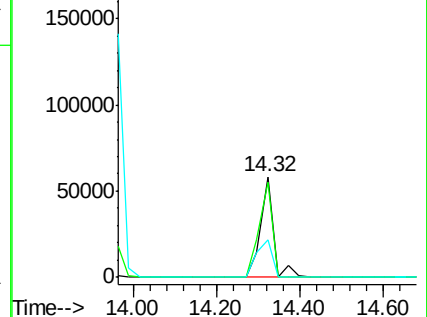
152 36.8 29.0 43.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#22

2,4-Dinitrophenol

Concen: 11.26 ng

RT: 14.37 min Scan# 735

Delta R.T. -0.01 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

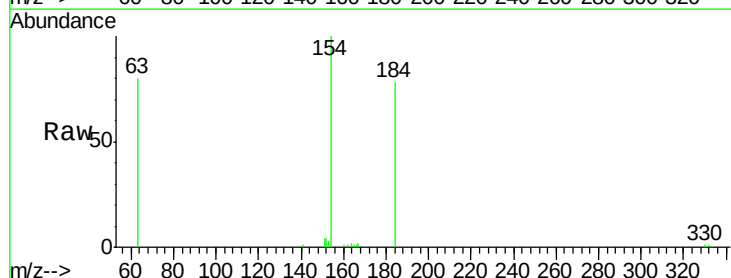
Tgt Ion:184 Resp: 15993

Ion Ratio Lower Upper

184 100

63 102.2 39.0 58.4#

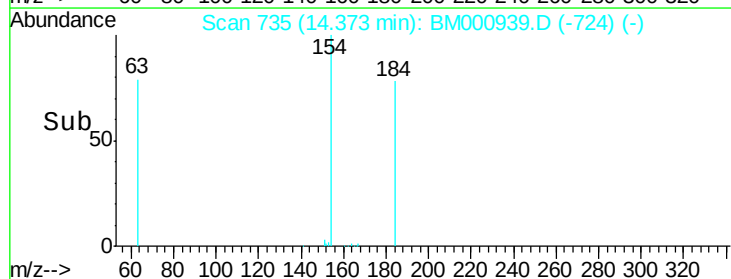
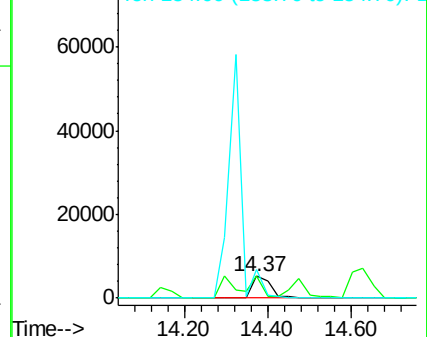
154 127.6 43.8 65.8#

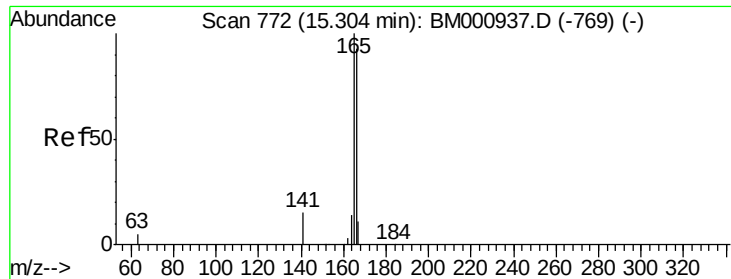


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 154.00 (153.70 to 154.70): E

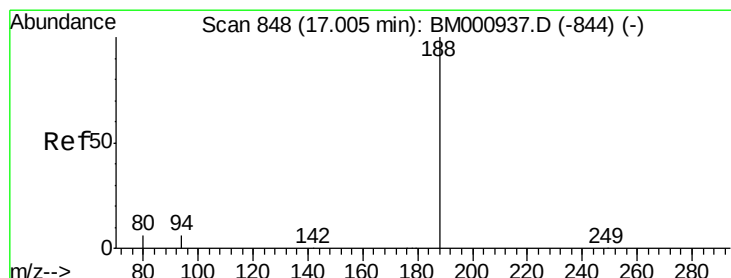
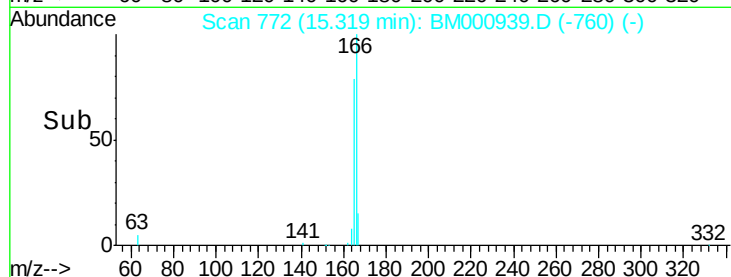
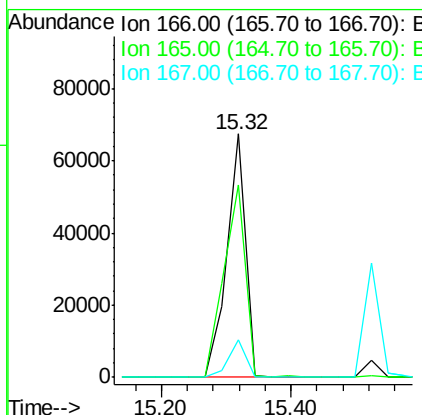
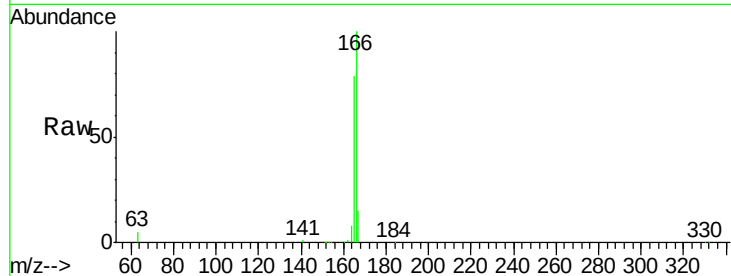




#23
 Fluorene
 Concen: 8.64 ng
 RT: 15.32 min Scan# 772
 Delta R.T. 0.02 min
 Lab File: BM000939.D
 Acq: 10 Apr 2015 15:03

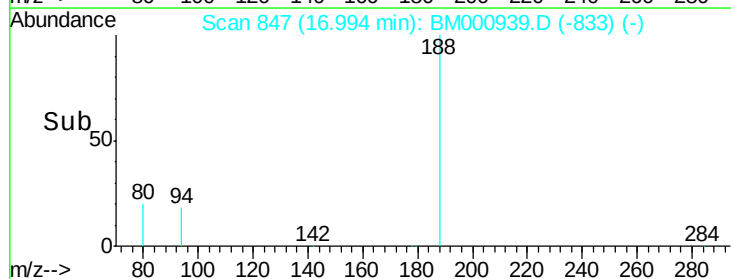
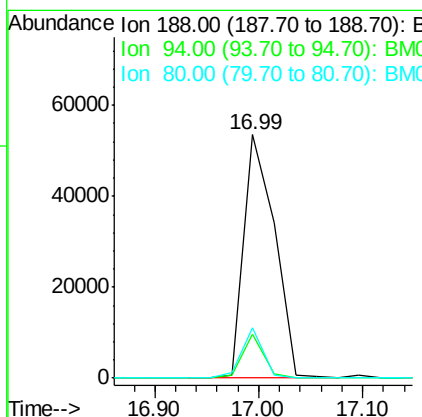
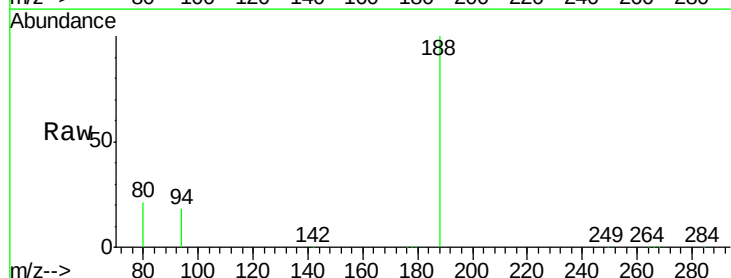
Instrument :
 BNA_M
 ClientSampleId :
 PB82421BSD

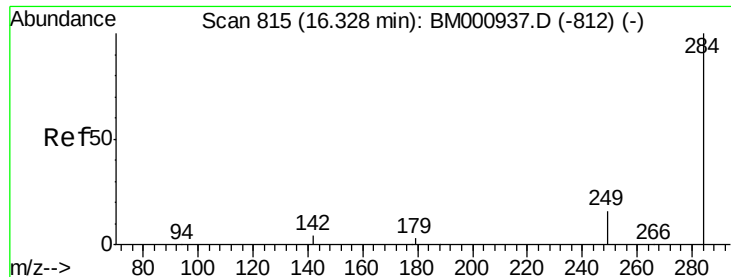
Tgt Ion:166 Resp: 134748
 Ion Ratio Lower Upper
 166 100
 165 79.0 63.7 95.5
 167 15.3 12.7 19.1



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.99 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: BM000939.D
 Acq: 10 Apr 2015 15:03

Tgt Ion:188 Resp: 109726
 Ion Ratio Lower Upper
 188 100
 94 18.2 12.2 18.4
 80 20.6 13.4 20.0#





#25

Hexachlorobenzene

Concen: 9.06 ng

RT: 16.32 min Scan# 814

Delta R.T. -0.01 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

Instrument :

BNA_M

ClientSampleId :

PB82421BSD

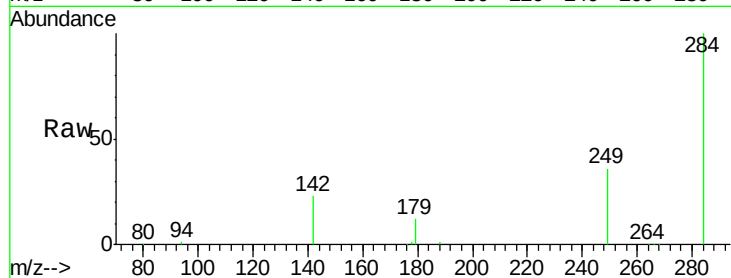
Tgt Ion:284 Resp: 53741

Ion Ratio Lower Upper

284 100

142 23.4 16.2 24.2

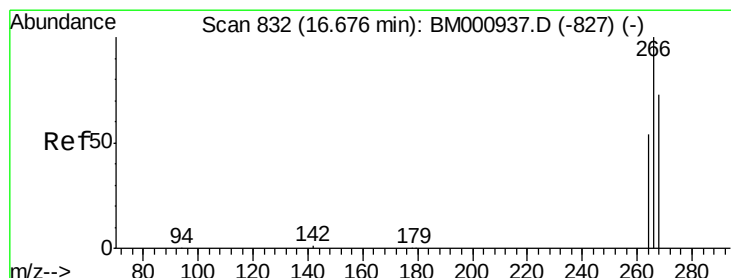
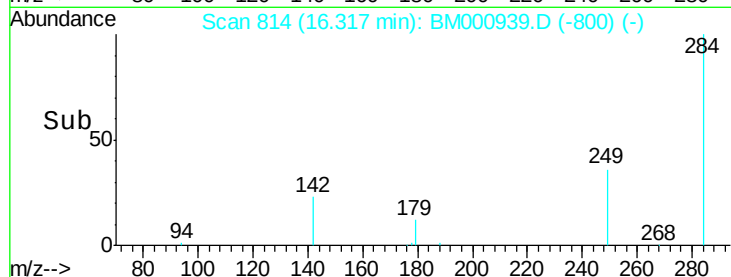
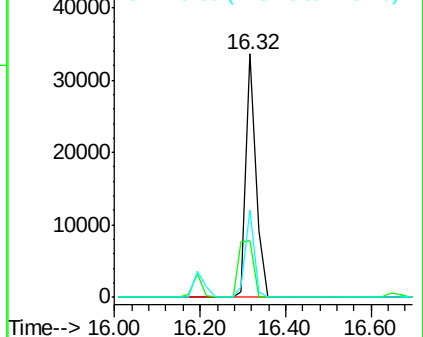
249 36.1 27.4 41.2



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



#26

Pentachlorophenol

Concen: 19.56 ng

RT: 16.67 min Scan# 831

Delta R.T. -0.01 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

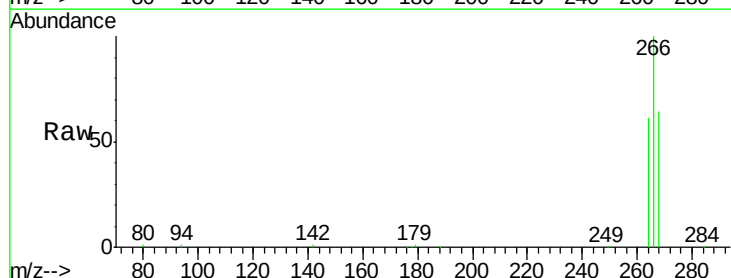
Tgt Ion:266 Resp: 46395

Ion Ratio Lower Upper

266 100

268 63.5 53.0 79.4

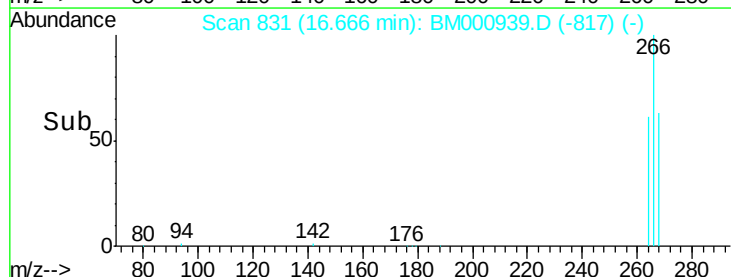
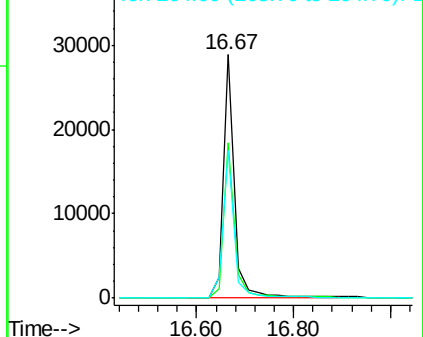
264 60.6 49.4 74.0

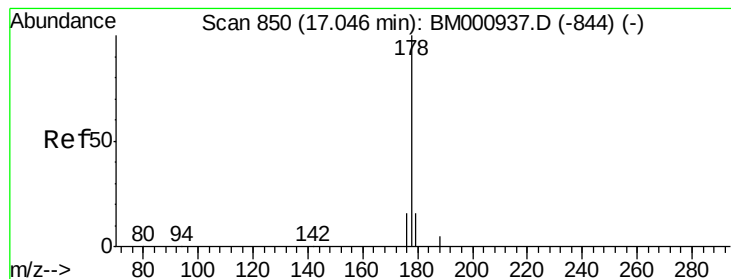


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#27

Phenanthrene

Concen: 8.37 ng

RT: 17.04 min Scan# 849

Delta R.T. -0.01 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

Instrument :

BNA_M

ClientSampleId :

PB82421BSD

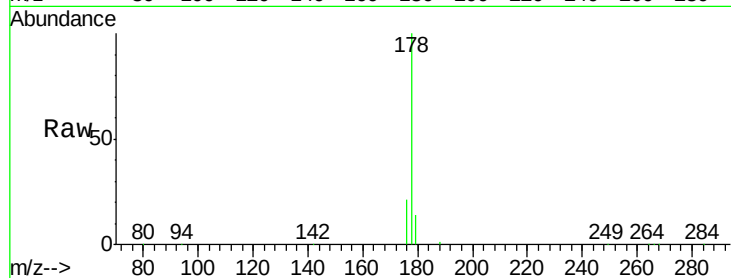
Tgt Ion:178 Resp: 237209

Ion Ratio Lower Upper

178 100

176 20.8 16.0 24.0

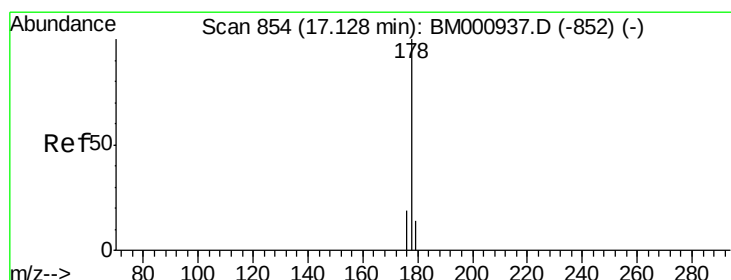
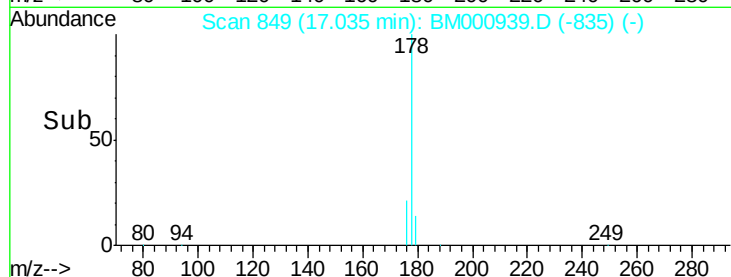
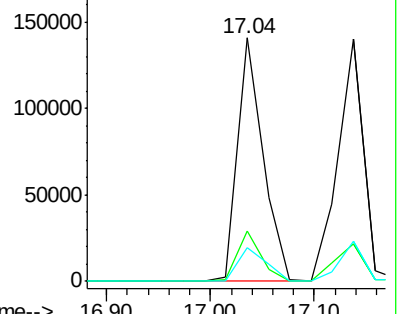
179 13.6 11.4 17.2



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



#28

Anthracene

Concen: 9.21 ng

RT: 17.14 min Scan# 854

Delta R.T. 0.01 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

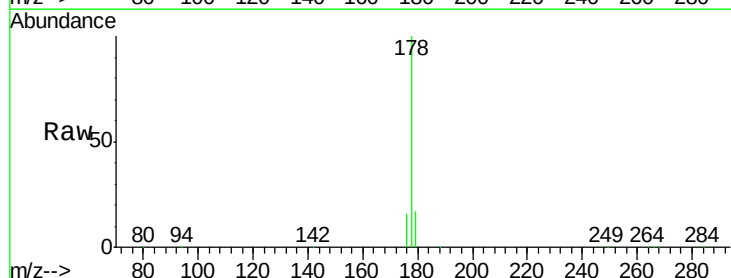
Tgt Ion:178 Resp: 239379

Ion Ratio Lower Upper

178 100

176 15.7 12.7 19.1

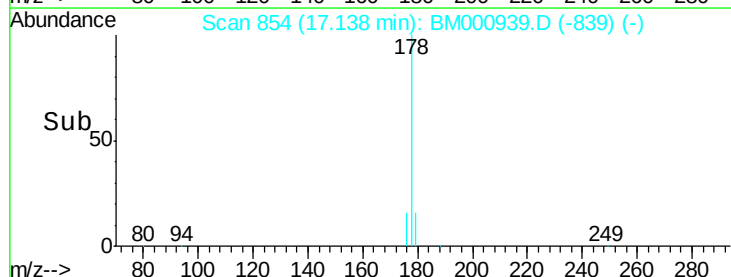
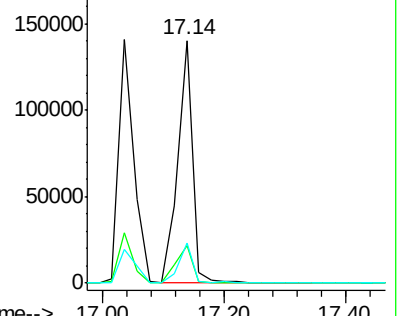
179 16.5 13.9 20.9

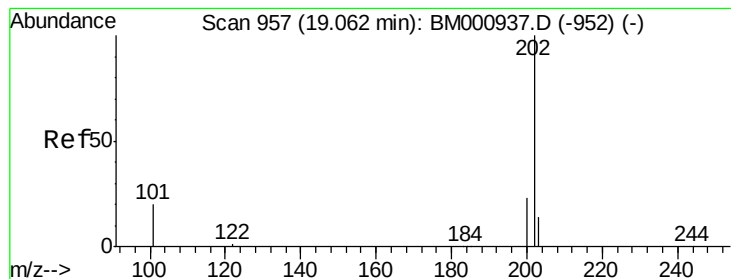


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Fluoranthene

Concen: 9.28 ng

RT: 19.07 min Scan# 957

Delta R.T. 0.01 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

Instrument :

BNA_M

ClientSampleId :

PB82421BSD

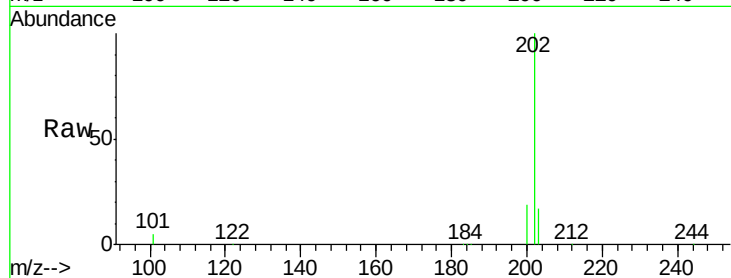
Tgt Ion:202 Resp: 275163

Ion Ratio Lower Upper

202 100

101 5.4 0.0 24.1

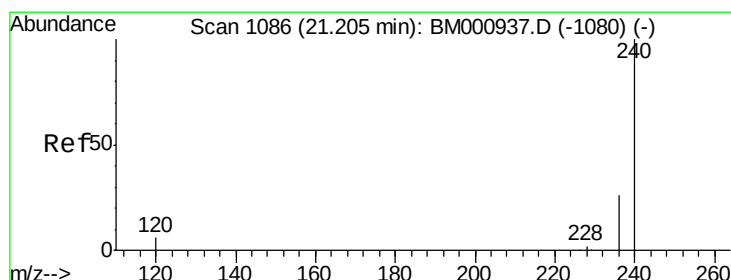
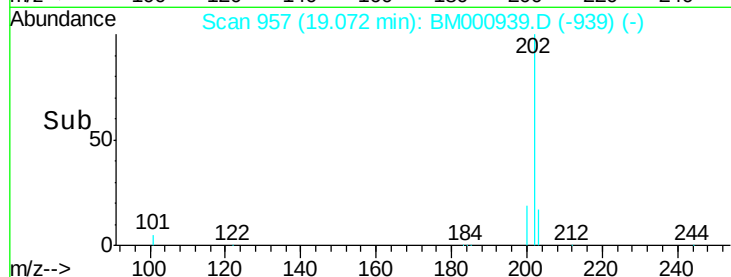
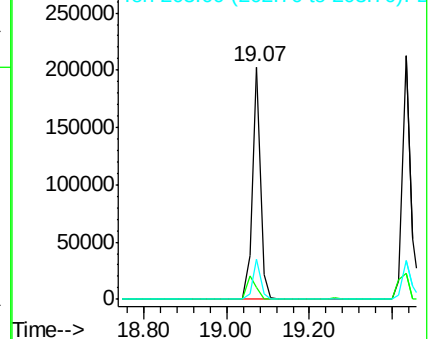
203 17.3 0.0 38.4



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



#30

Chrysene-d12

Concen: 5.00 ng

RT: 21.20 min Scan# 1085

Delta R.T. -0.01 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

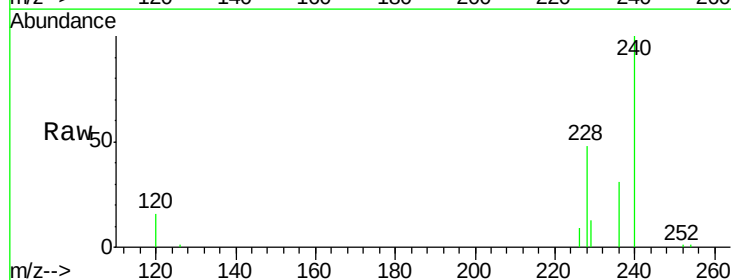
Tgt Ion:240 Resp: 103943

Ion Ratio Lower Upper

240 100

120 16.4 6.8 10.2#

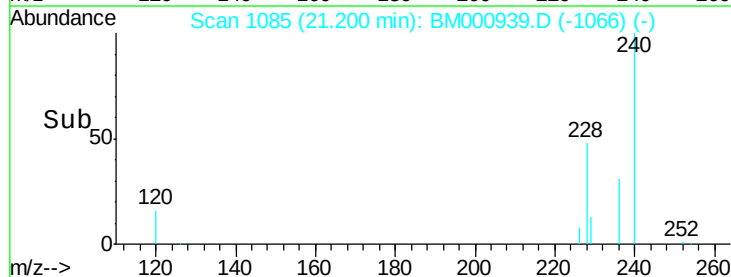
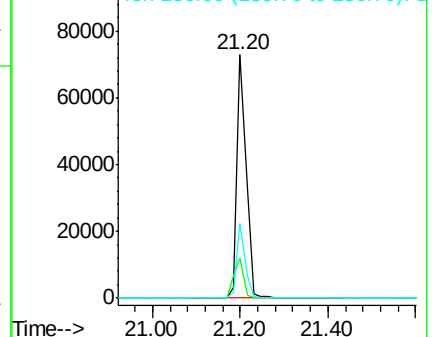
236 30.7 22.1 33.1

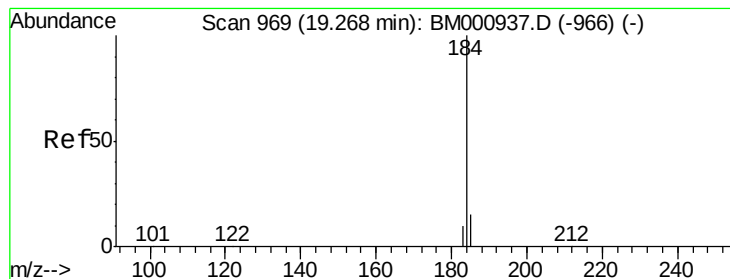


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#31

Benzidine

Concen: 13.31 ng

RT: 19.26 min Scan# 968

Delta R.T. -0.01 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

Instrument :

BNA_M

ClientSampleId :

PB82421BSD

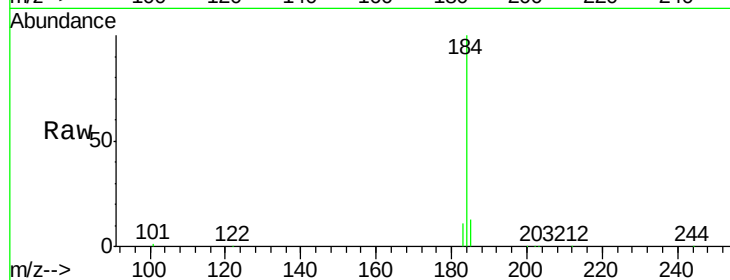
Tgt Ion:184 Resp: 192387

Ion Ratio Lower Upper

184 100

185 13.4 12.2 18.4

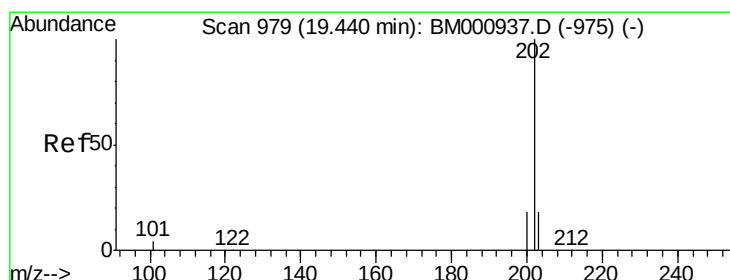
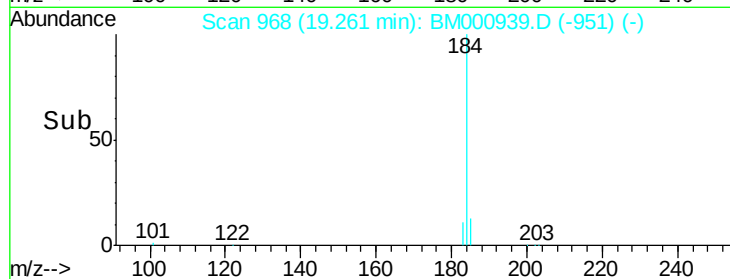
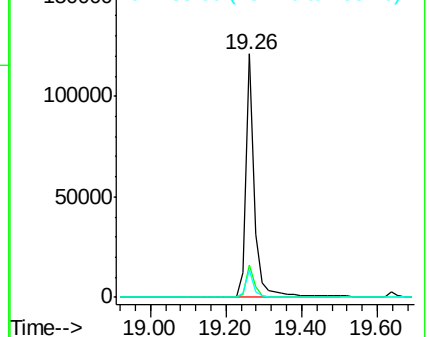
183 11.0 10.3 15.5



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#32

Pyrene

Concen: 8.67 ng

RT: 19.43 min Scan# 978

Delta R.T. -0.01 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

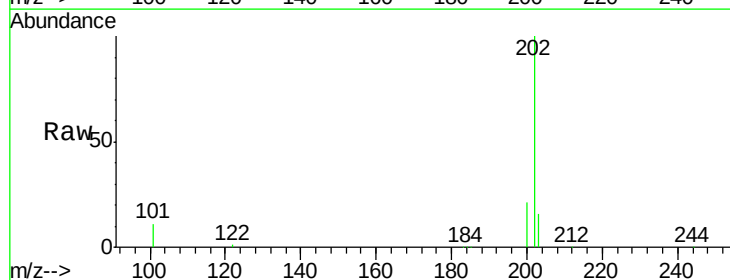
Tgt Ion:202 Resp: 292889

Ion Ratio Lower Upper

202 100

200 21.1 16.2 24.4

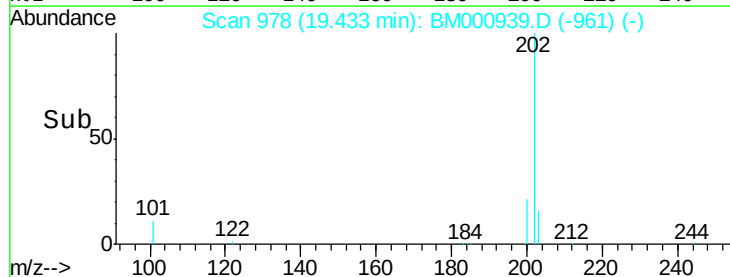
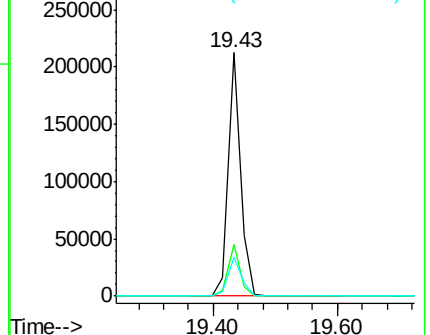
203 16.0 13.5 20.3

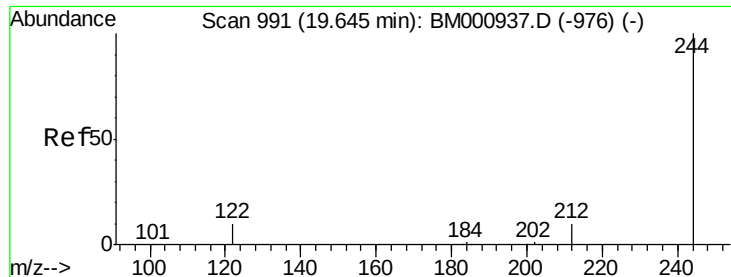


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

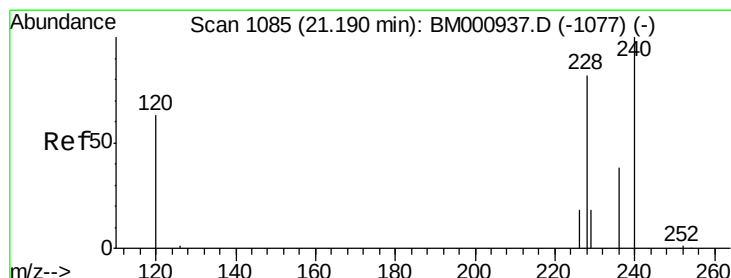
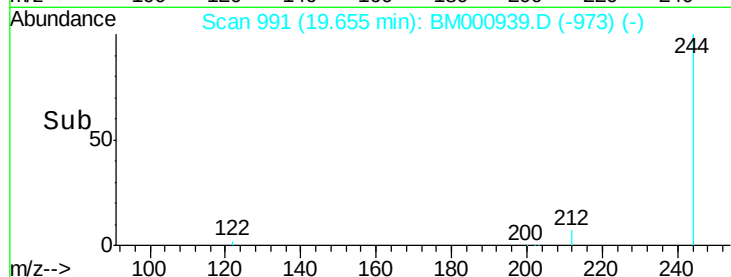
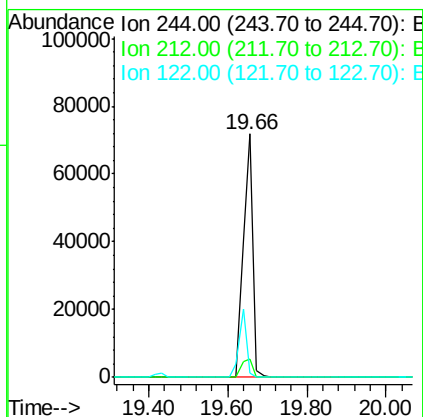
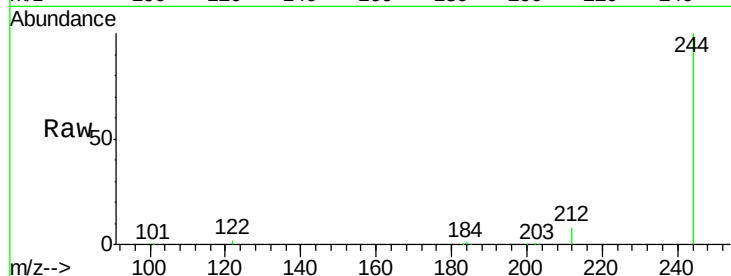




#33
 Terphenyl-d14
 Concen: 9.42 ng
 RT: 19.66 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: BM000939.D
 Acq: 10 Apr 2015 15:03

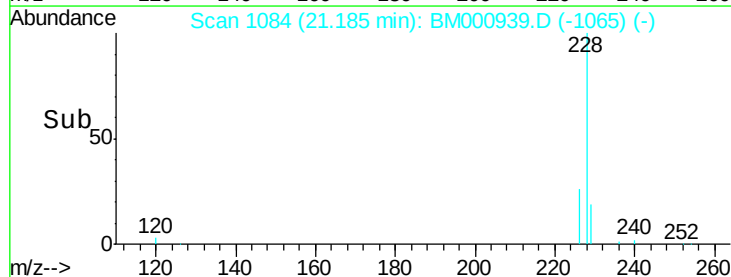
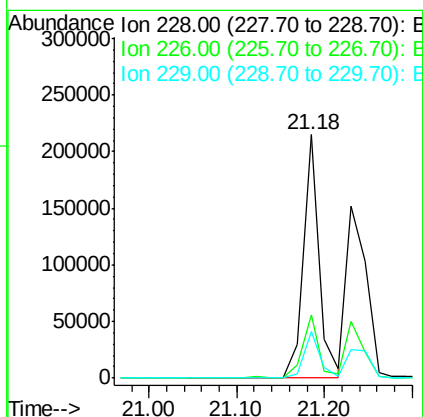
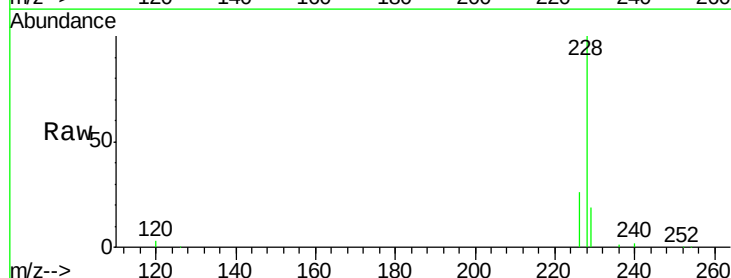
Instrument :
 BNA_M
 ClientSampleId :
 PB82421BSD

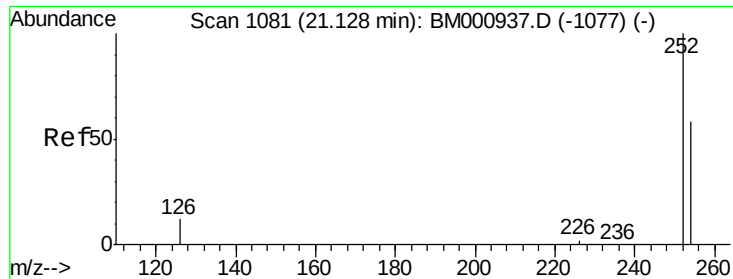
Tgt Ion:244 Resp: 119198
 Ion Ratio Lower Upper
 244 100
 212 7.5 9.4 14.0#
 122 1.6 20.9 31.3#



#34
 Benzo(a)anthracene
 Concen: 8.92 ng
 RT: 21.18 min Scan# 1084
 Delta R.T. -0.01 min
 Lab File: BM000939.D
 Acq: 10 Apr 2015 15:03

Tgt Ion:228 Resp: 267542
 Ion Ratio Lower Upper
 228 100
 226 26.0 18.9 28.3
 229 19.0 16.8 25.2

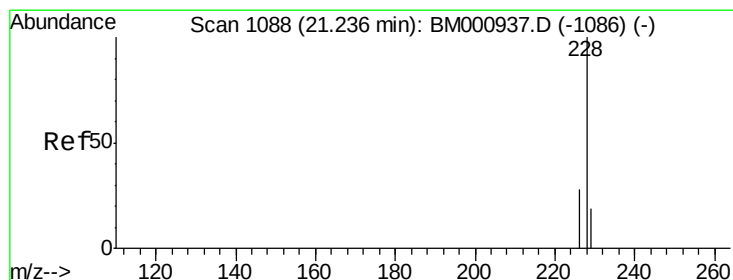
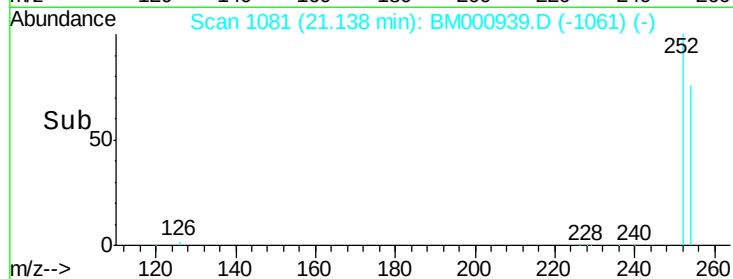
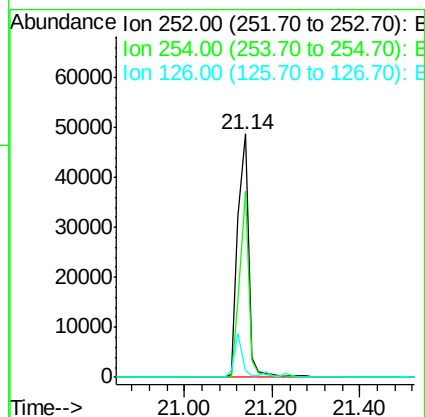
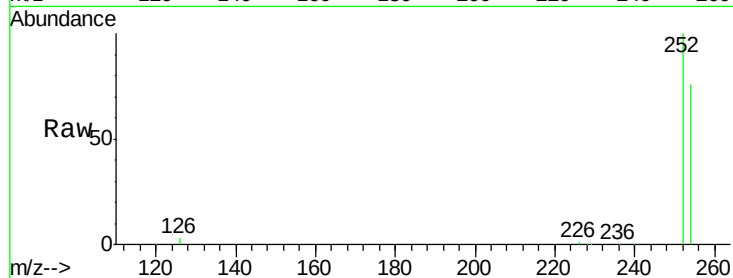




#35
 3,3'-Dichlorobenzidine
 Concen: 7.07 ng
 RT: 21.14 min Scan# 1081
 Delta R.T. 0.01 min
 Lab File: BM000939.D
 Acq: 10 Apr 2015 15:03

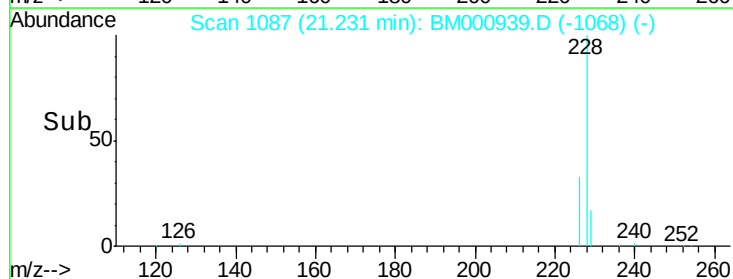
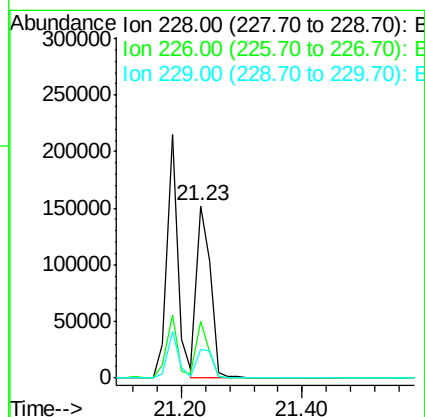
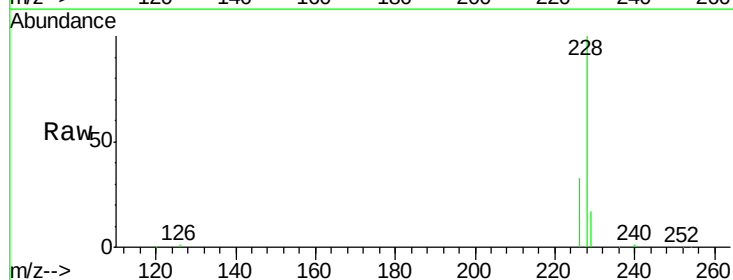
Instrument :
 BNA_M
 ClientSampleId :
 PB82421BSD

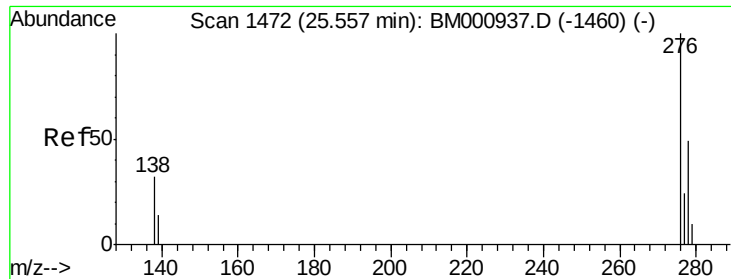
Tgt Ion: 252 Resp: 82661
 Ion Ratio Lower Upper
 252 100
 254 76.4 43.4 65.2#
 126 2.5 12.3 18.5#



#36
 Chrysene
 Concen: 8.00 ng
 RT: 21.23 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BM000939.D
 Acq: 10 Apr 2015 15:03

Tgt Ion: 228 Resp: 245297
 Ion Ratio Lower Upper
 228 100
 226 33.1 23.4 35.2
 229 16.8 15.0 22.6

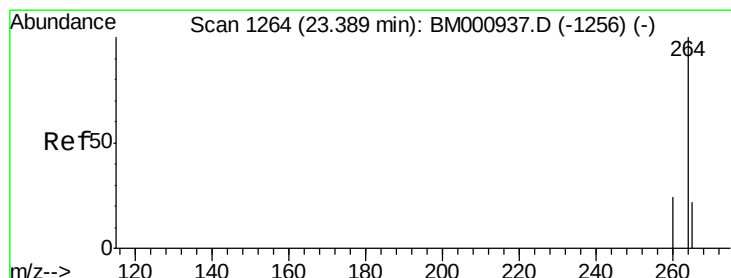
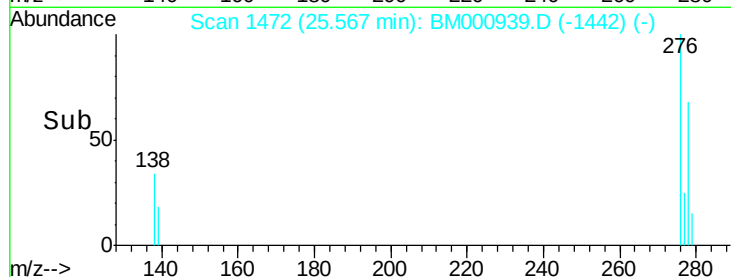
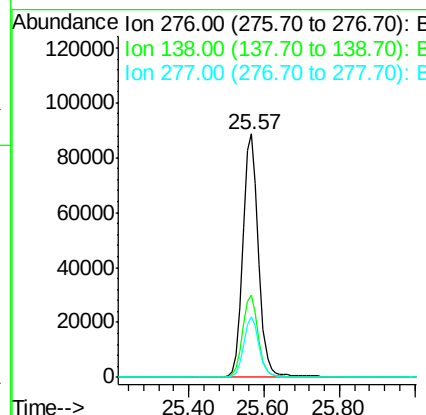
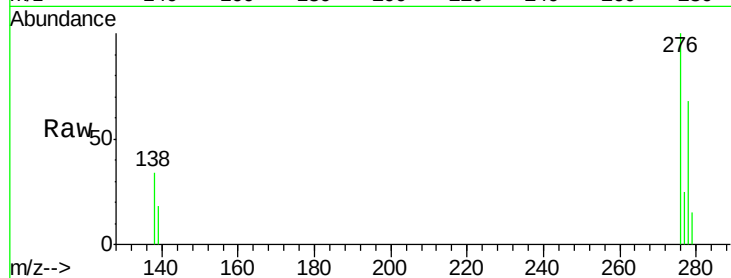




#37
 Indeno(1,2,3-cd)pyrene
 Concen: 8.20 ng
 RT: 25.57 min Scan# 1472
 Delta R.T. 0.01 min
 Lab File: BM000939.D
 Acq: 10 Apr 2015 15:03

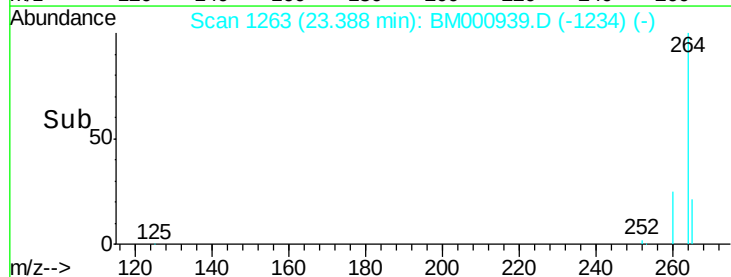
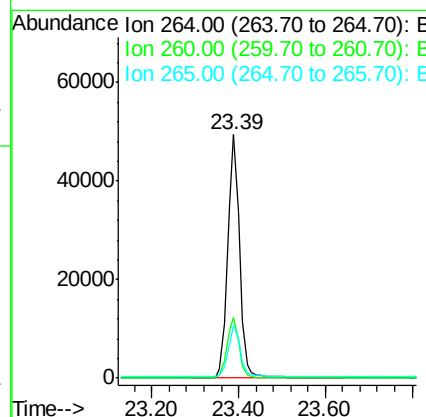
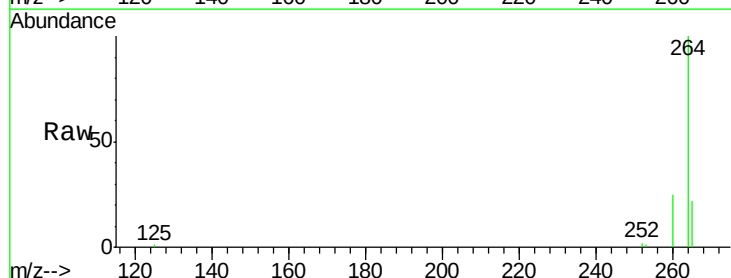
Instrument :
 BNA_M
 ClientSampleId :
 PB82421BSD

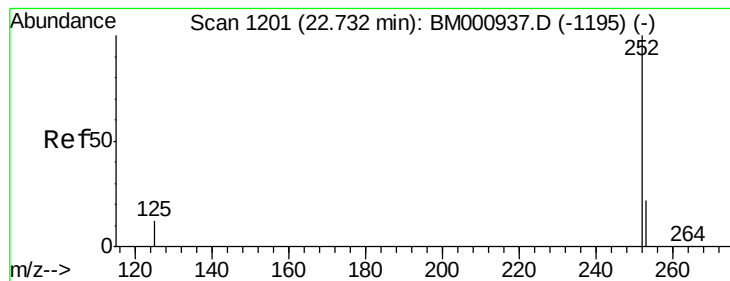
Tgt Ion	Ratio	Lower	Upper
276	100		
138	34.1	26.6	40.0
277	24.6	19.8	29.6



#38
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.39 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: BM000939.D
 Acq: 10 Apr 2015 15:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.6	30.8
265	21.5	16.4	24.6





#39

Benzo(b)fluoranthene

Concen: 8.57 ng

RT: 22.73 min Scan# 1200

Delta R.T. -0.00 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

Instrument :

BNA_M

ClientSampleId :

PB82421BSD

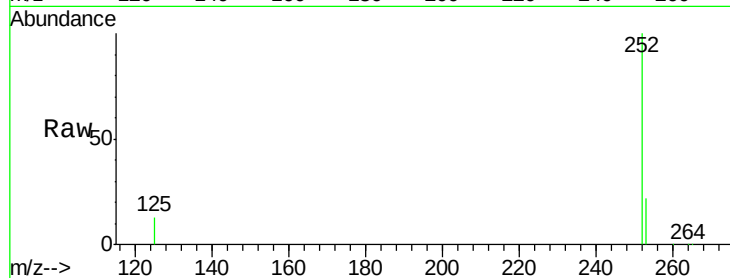
Tgt Ion:252 Resp: 250130

Ion Ratio Lower Upper

252 100

253 21.7 16.9 25.3

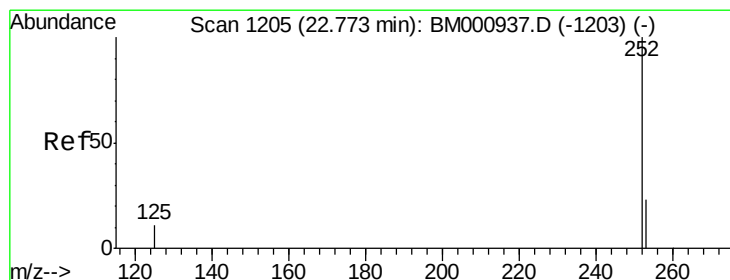
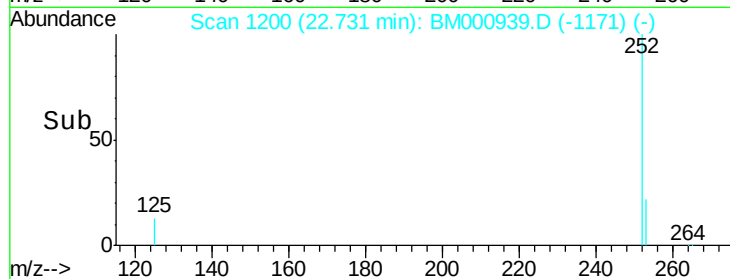
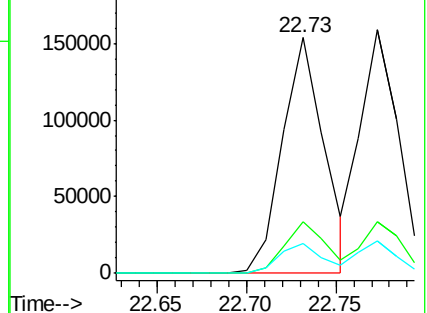
125 12.8 11.3 16.9



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



#40

Benzo(k)fluoranthene

Concen: 8.59 ng

RT: 22.77 min Scan# 1204

Delta R.T. -0.00 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

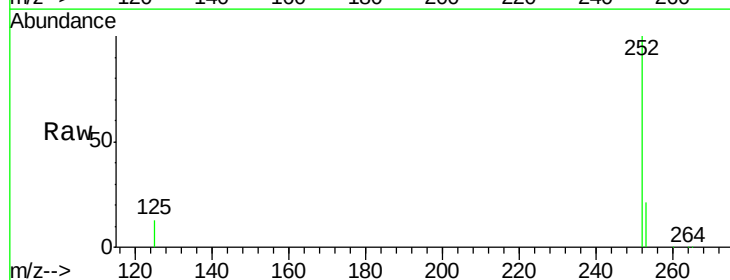
Tgt Ion:252 Resp: 241231

Ion Ratio Lower Upper

252 100

253 21.4 16.9 25.3

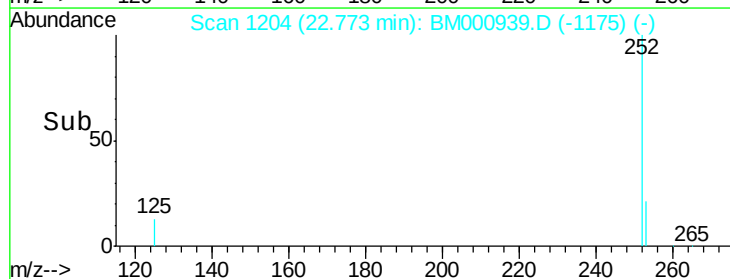
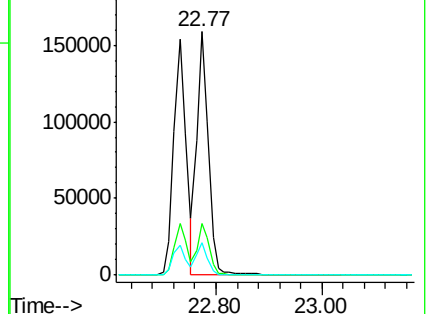
125 13.1 11.2 16.8

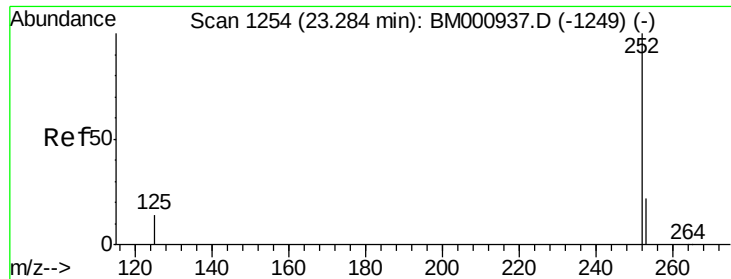


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#41

Benzo(a)pyrene

Concen: 8.99 ng

RT: 23.28 min Scan# 1253

Delta R.T. -0.00 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

Instrument :

BNA_M

ClientSampleId :

PB82421BSD

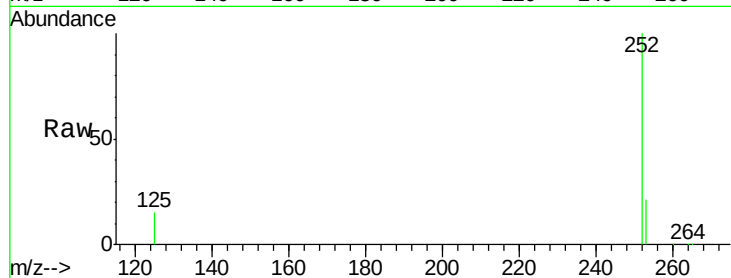
Tgt Ion: 252 Resp: 231184

Ion Ratio Lower Upper

252 100

253 20.8 19.0 28.4

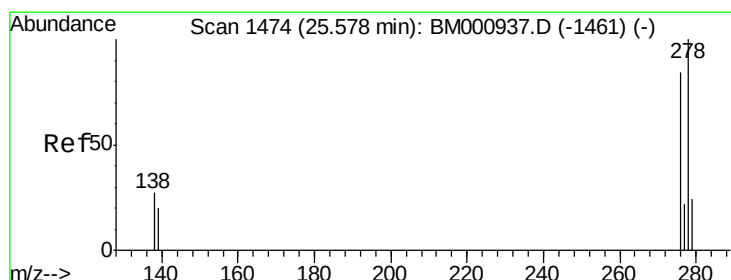
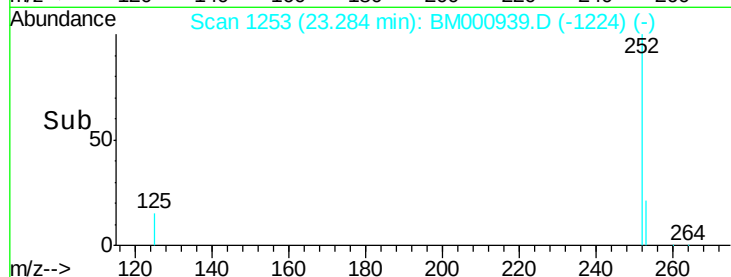
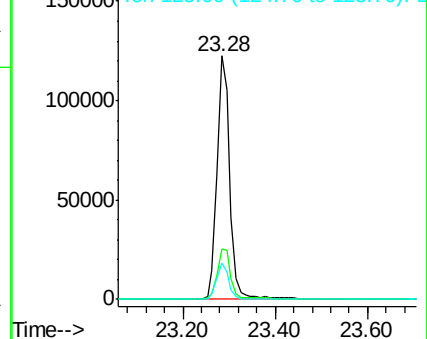
125 15.0 11.0 16.6



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



#42

Dibenzo(a,h)anthracene

Concen: 8.69 ng

RT: 25.58 min Scan# 1473

Delta R.T. -0.00 min

Lab File: BM000939.D

Acq: 10 Apr 2015 15:03

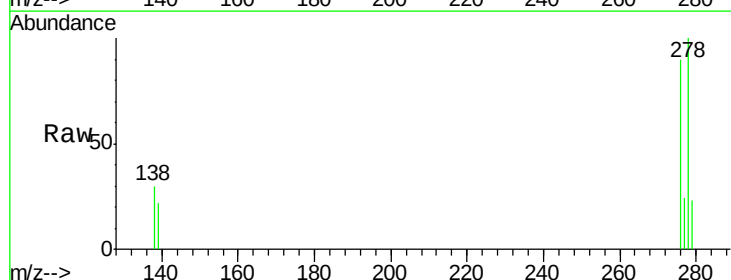
Tgt Ion: 278 Resp: 207109

Ion Ratio Lower Upper

278 100

139 22.0 17.8 26.8

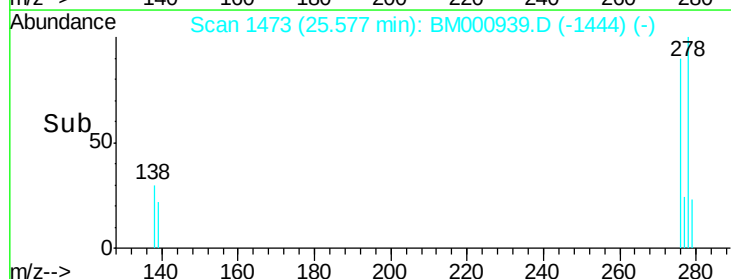
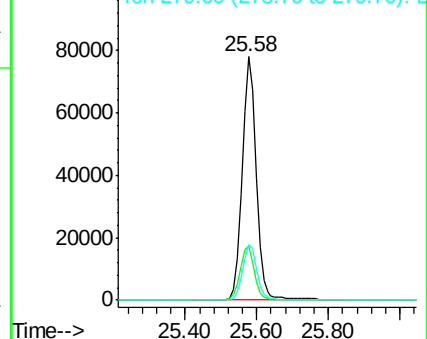
279 23.0 19.0 28.6

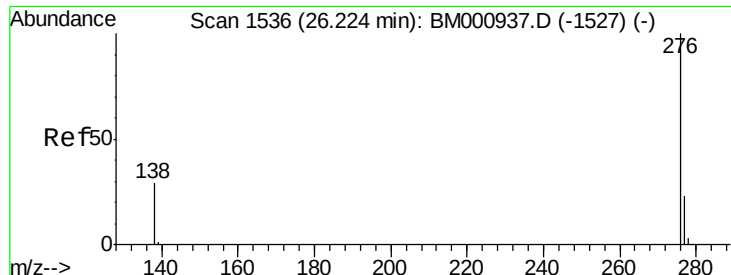


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#43

Benzo(g,h,i)perylene

Concen: 8.37 ng

RT: 26.23 min Scan# 1536

Delta R.T. 0.01 min

Lab File: BM000939.D

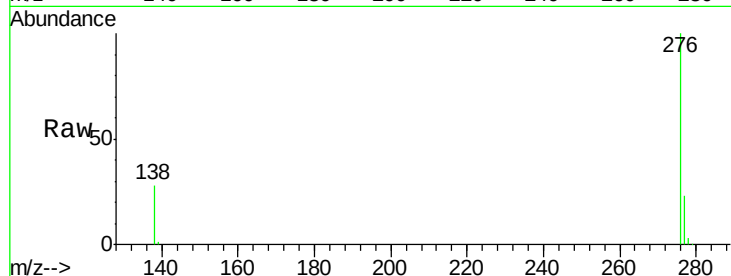
Acq: 10 Apr 2015 15:03

Instrument :

BNA_M

ClientSampleId :

PB82421BSD



Tgt Ion: 276 Resp: 220112

Ion Ratio Lower Upper

276 100

277 23.4 19.4 29.0

138 28.1 21.7 32.5

