

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041015\
 Data File : BM000940.D
 Acq On : 10 Apr 2015 15:38
 Operator : TP/IZ
 Sample : PB82531BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB82531BL

Quant Time: Apr 10 23:19:41 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	26212	5.00	ng	0.00
8) Naphthalene-d8	10.38	136	96419	5.00	ng	0.00
17) Acenaphthene-d10	14.26	164	50069	5.00	ng	0.00
24) Phenanthrene-d10	17.00	188	103201	5.00	ng	0.00
30) Chrysene-d12	21.21	240	82348	5.00	ng	0.00
38) Perylene-d12	23.39	264	74081	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	63936	11.52	ng	0.00
5) Phenol-d6	6.78	99	78272	11.79	ng	0.00
9) Nitrobenzene-d5	8.76	82	39804	8.55	ng	0.00
18) 2,4,6-Tribromophenol	15.76	330	18547	8.92	ng	0.00
19) 2-Fluorobiphenyl	12.88	172	121833	8.69	ng	0.00
33) Terphenyl-d14	19.65	244	110210	10.99	ng	0.00

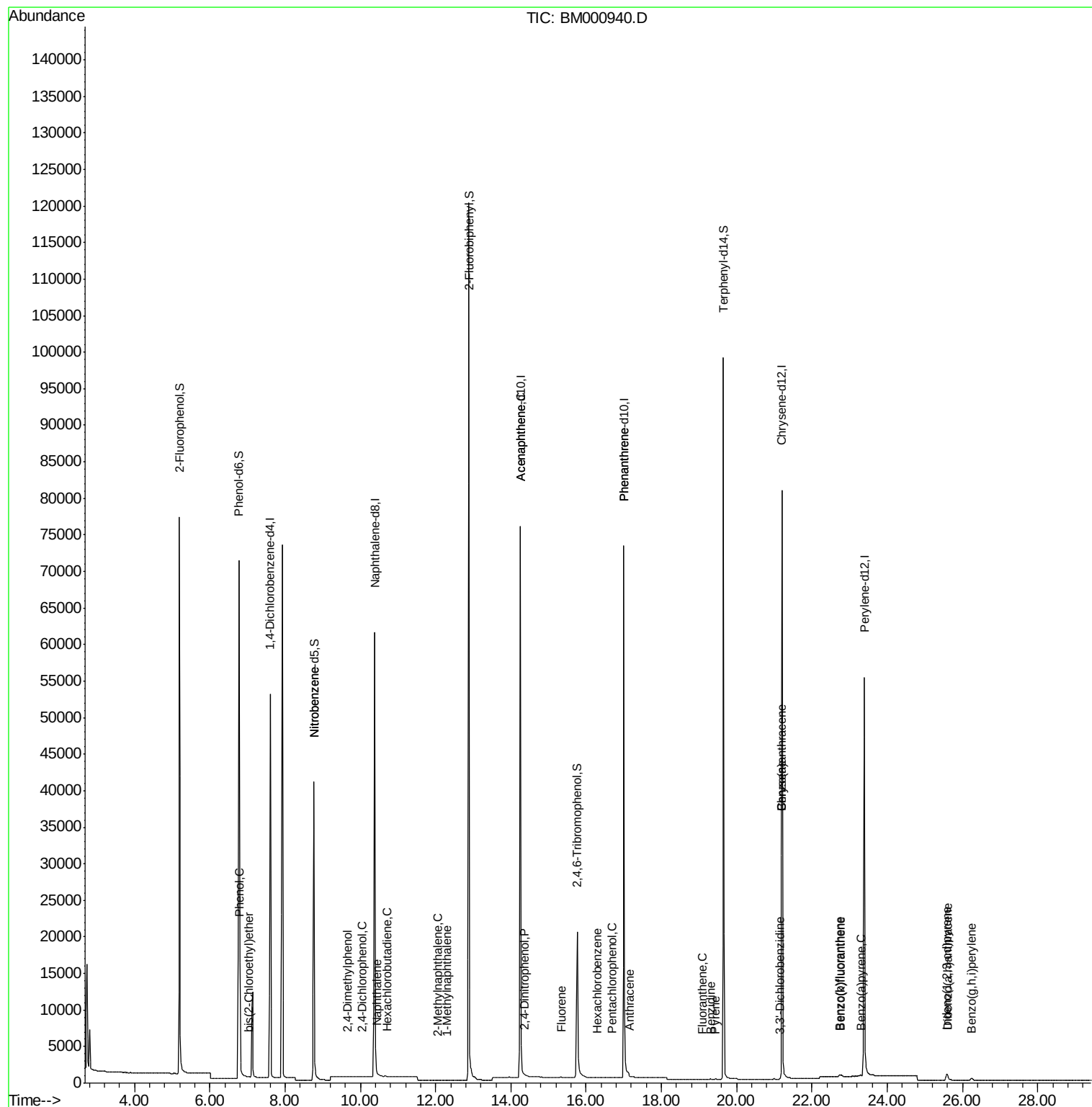
Target Compounds						Qvalue
6) Phenol	6.80	94	65	0.01	ng	# 1
7) bis(2-Chloroethyl)ether	7.04	93	9	0.00	ng	# 16
10) Nitrobenzene	8.76	77	136	0.20	ng	# 63
11) 2,4-Dimethylphenol	9.65	122	26	0.00	ng	# 69
12) 2,4-Dichlorophenol	10.05	162	26	0.01	ng	# 51
13) Naphthalene	10.44	128	41	0.00	ng	# 1
14) Hexachlorobutadiene	10.71	225	15	0.00	ng	# 55
15) 2-Methylnaphthalene	12.07	142	13	0.00	ng	# 21
16) 1-Methylnaphthalene	12.30	142	11	0.00	ng	# 82
20) Acenaphthylene	13.97	152	28	Below Cal		# 1
21) Acenaphthene	14.26	154	190	0.01	ng	# 58
22) 2,4-Dinitrophenol	14.36	184	9	0.22	ng	# 20
23) Fluorene	15.33	166	28	0.00	ng	# 12
25) Hexachlorobenzene	16.31	284	22	0.00	ng	# 1
26) Pentachlorophenol	16.68	266	57	0.20	ng	# 64
27) Phenanthrene	17.00	178	98	0.00	ng	# 1
28) Anthracene	17.15	178	52	0.00	ng	# 1
29) Fluoranthene	19.08	202	70	0.00	ng	# 1
31) Benzidine	19.30	184	293	0.09	ng	# 3
32) Pyrene	19.44	202	79	0.00	ng	# 1
34) Benzo(a)anthracene	21.19	228	787	0.03	ng	# 78
35) 3,3'-Dichlorobenzidine	21.14	252	138	0.32	ng	# 42
36) Chrysene	21.19	228	787	0.03	ng	# 84
37) Indeno(1,2,3-cd)pyrene	25.58	276	1343	0.05	ng	# 98
39) Benzo(b)fluoranthene	22.73	252	356	0.02	ng	# 1
40) Benzo(k)fluoranthene	22.77	252	293	0.01	ng	# 1
41) Benzo(a)pyrene	23.29	252	395	0.02	ng	# 1
42) Dibenzo(a,h)anthracene	25.60	278	1441	0.08	ng	# 64
43) Benzo(g,h,i)perylene	26.23	276	814	0.04	ng	# 67

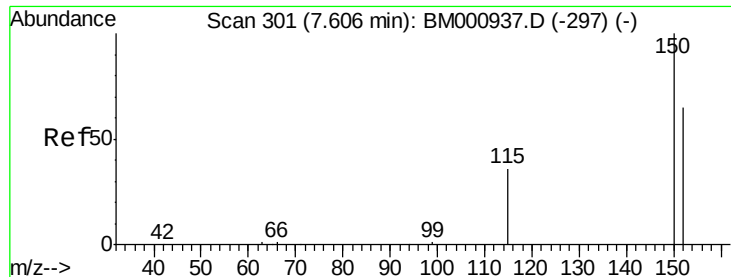
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM000940.D

Acq: 10 Apr 2015 15:38

Instrument :

BNA_M

ClientSampleId :

PB82531BL

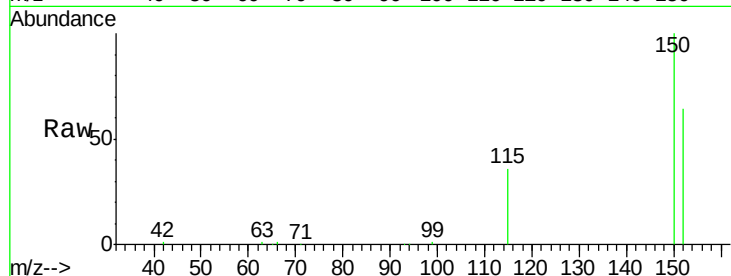
Tgt Ion:152 Resp: 26212

Ion Ratio Lower Upper

152 100

150 155.5 125.4 188.2

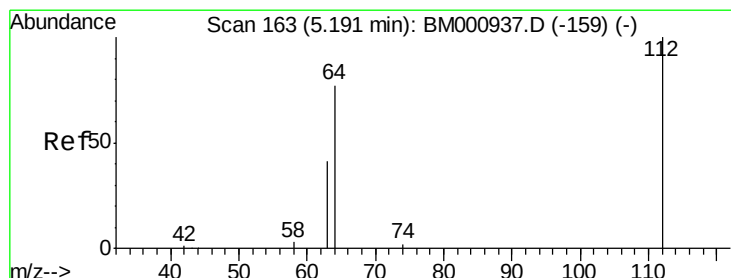
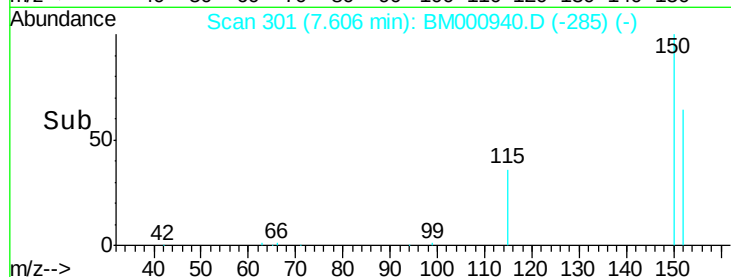
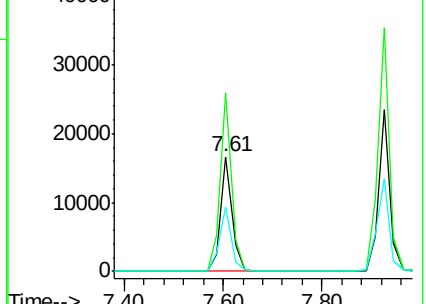
115 56.7 45.9 68.9



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



#4

2-Fluorophenol

Concen: 11.52 ng

RT: 5.19 min Scan# 163

Delta R.T. -0.00 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

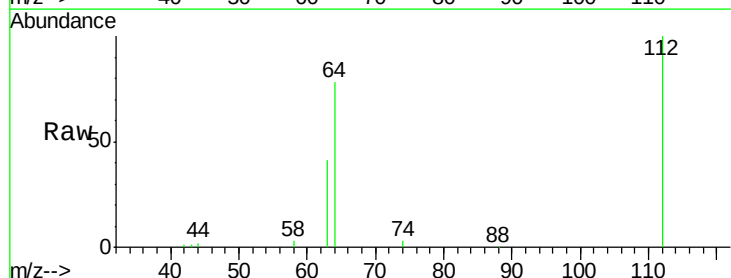
Tgt Ion:112 Resp: 63936

Ion Ratio Lower Upper

112 100

64 77.6 31.8 47.8#

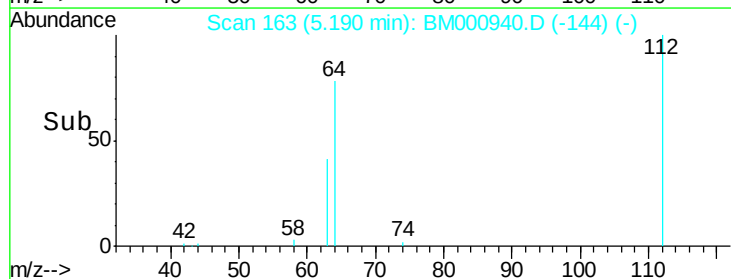
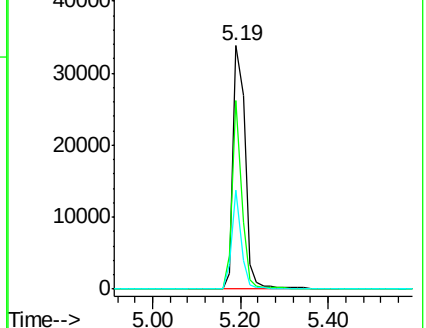
63 40.8 14.5 21.7#

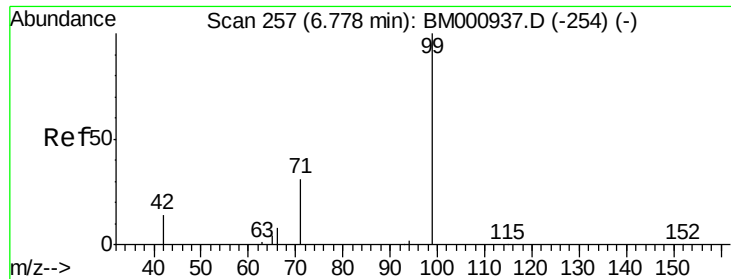


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#5

Phenol-d6

Concen: 11.79 ng

RT: 6.78 min Scan# 257

Delta R.T. -0.00 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

Instrument :

BNA_M

ClientSampleId :

PB82531BL

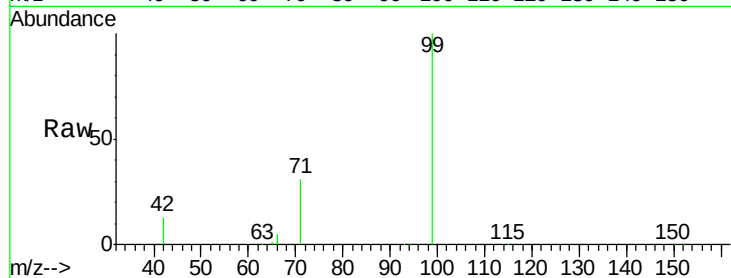
Tgt Ion: 99 Resp: 78272

Ion Ratio Lower Upper

99 100

42 12.9 14.1 21.1#

71 31.2 28.0 42.0

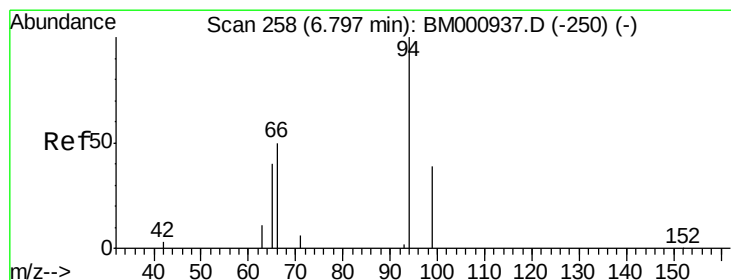
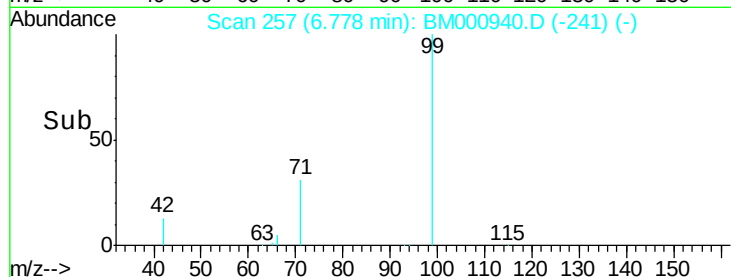


Abundance Ion 99.00 (98.70 to 99.70): BM000940.D (-254) (-)

Ion 42.00 (41.70 to 42.70): BM000940.D (-254) (-)

Ion 71.00 (70.70 to 71.70): BM000940.D (-254) (-)

Time-->



#6

Phenol

Concen: 0.01 ng

RT: 6.80 min Scan# 258

Delta R.T. -0.00 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

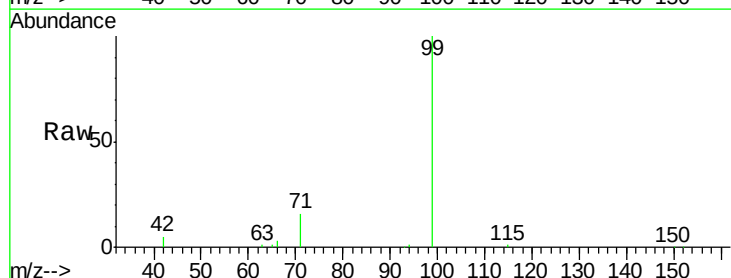
Tgt Ion: 94 Resp: 65

Ion Ratio Lower Upper

94 100

65 156.2 0.0 36.0#

66 454.8 3.7 43.7#

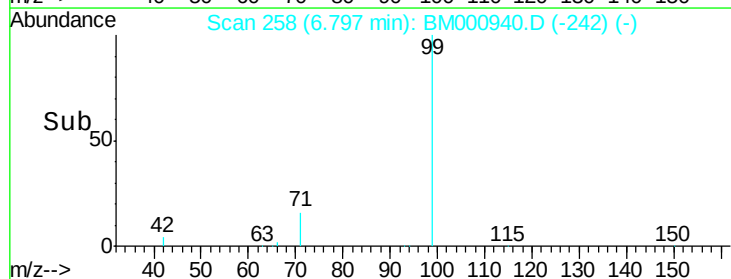


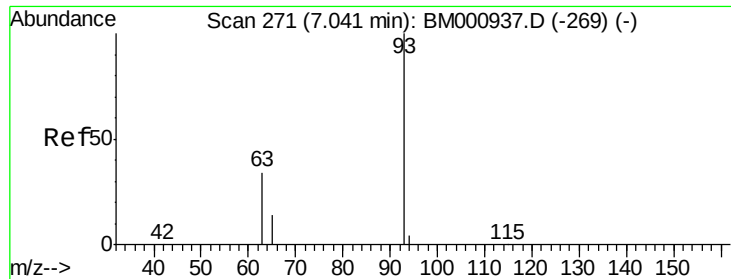
Abundance Ion 94.00 (93.70 to 94.70): BM000940.D (-250) (-)

Ion 65.00 (64.70 to 65.70): BM000940.D (-250) (-)

Ion 66.00 (65.70 to 66.70): BM000940.D (-250) (-)

Time-->





#7

bis(2-Chloroethyl)ether

Concen: 0.00 ng

RT: 7.04 min Scan# 271

Delta R.T. -0.00 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

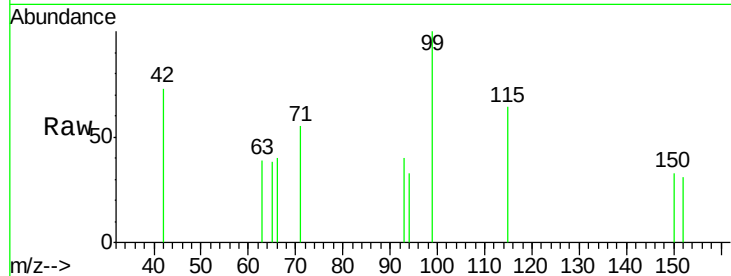
Instrument :

BNA_M

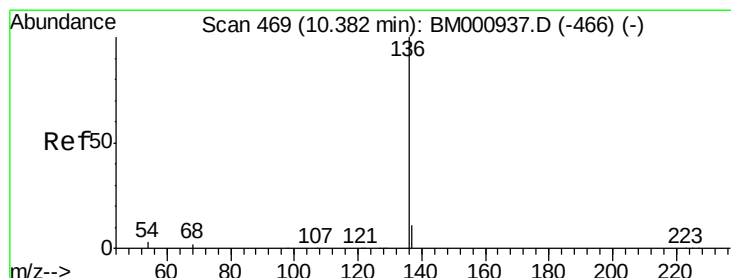
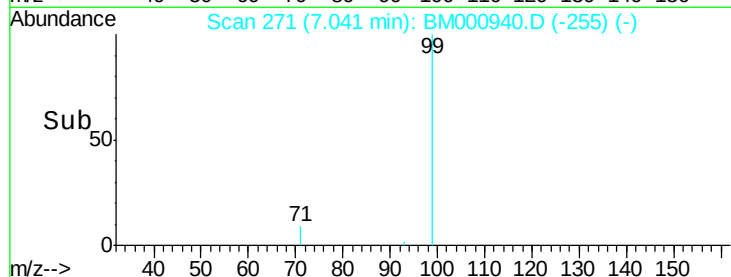
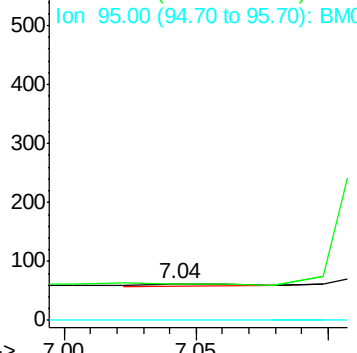
ClientSampled :

PB82531BL

Tgt Ion:	93	Resp:	9
Ion	Ratio	Lower	Upper
93	100		
63	98.4	24.0	64.0#
95	0.0	0.0	20.0



Abundance Ion 93.00 (92.70 to 93.70): BM000937.D (-269) (-)



#8

Naphthalene-d8

Concen: 5.00 ng

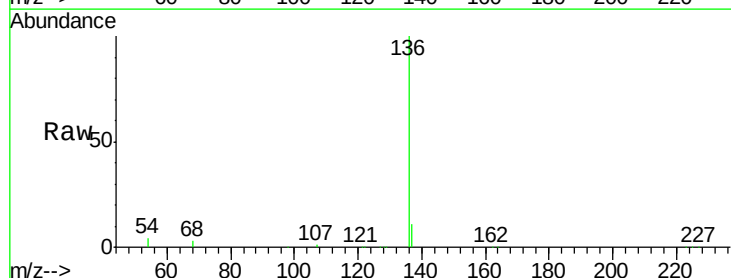
RT: 10.38 min Scan# 469

Delta R.T. -0.00 min

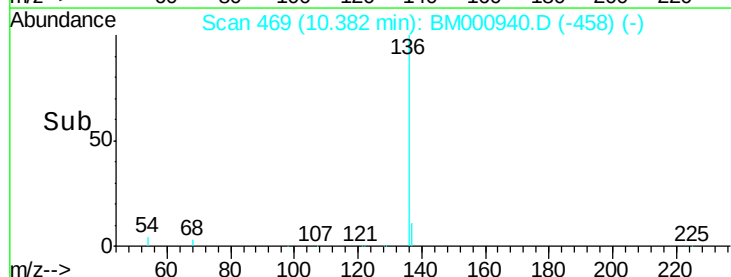
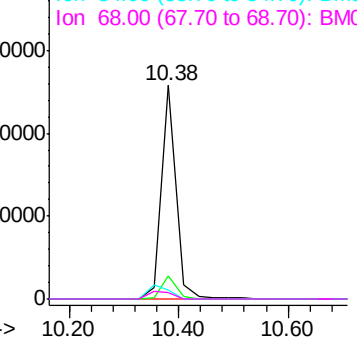
Lab File: BM000940.D

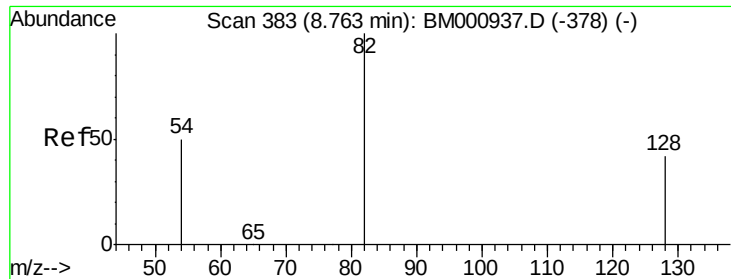
Acq: 10 Apr 2015 15:38

Tgt Ion:	136	Resp:	96419
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	3.9	2.9	4.3
68	2.9	2.2	3.2



Abundance Ion 136.00 (135.70 to 136.70): BM000937.D (-466) (-)

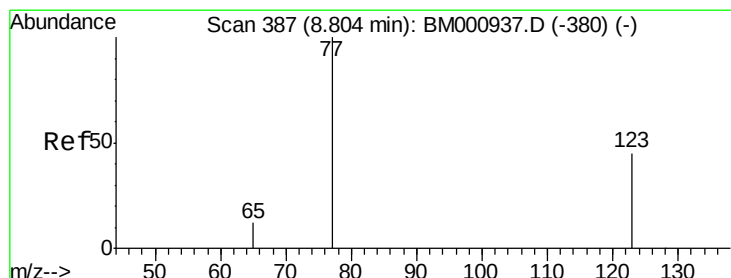
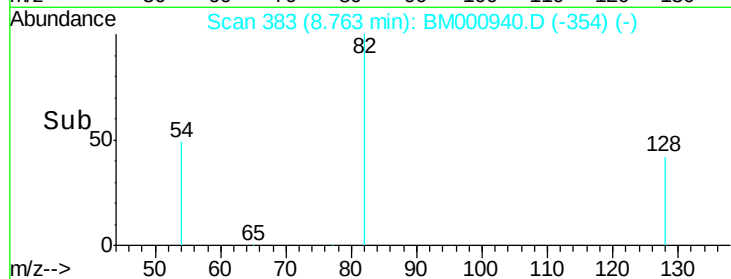
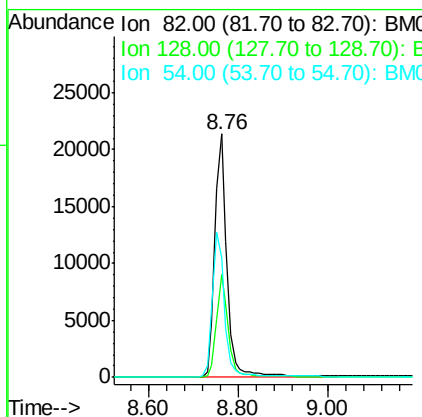
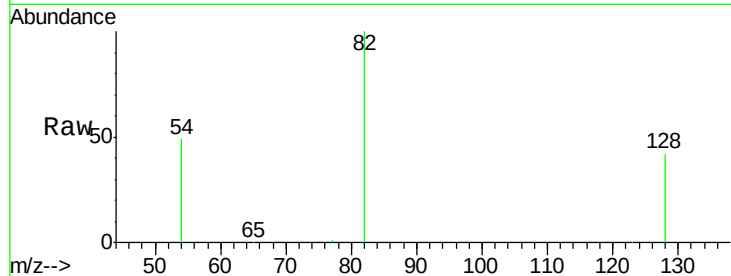




#9
Nitrobenzene-d5
Concen: 8.55 ng
RT: 8.76 min Scan# 383
Delta R.T. -0.00 min
Lab File: BM000940.D
Acq: 10 Apr 2015 15:38

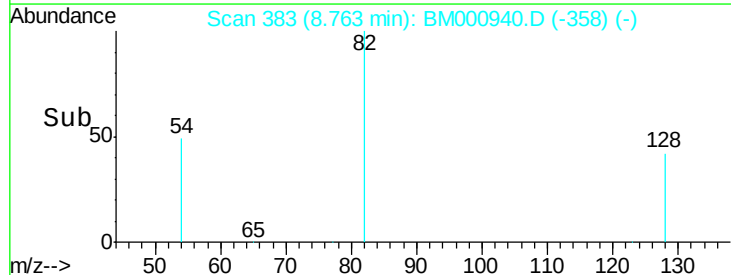
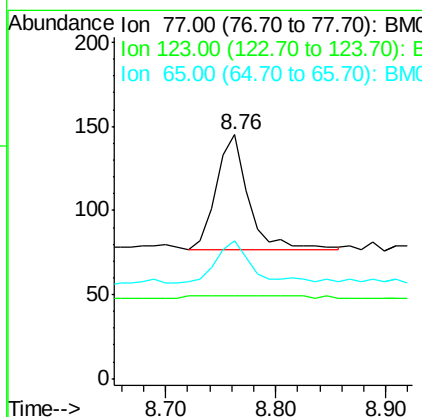
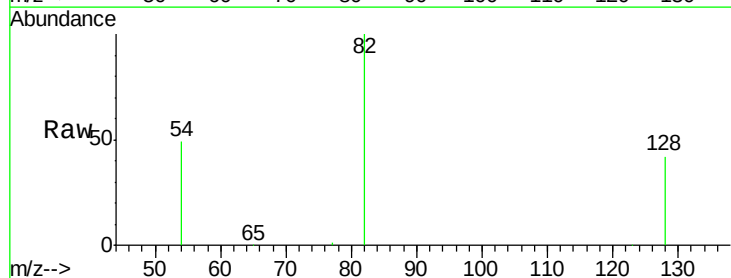
Instrument :
BNA_M
ClientSampled :
PB82531BL

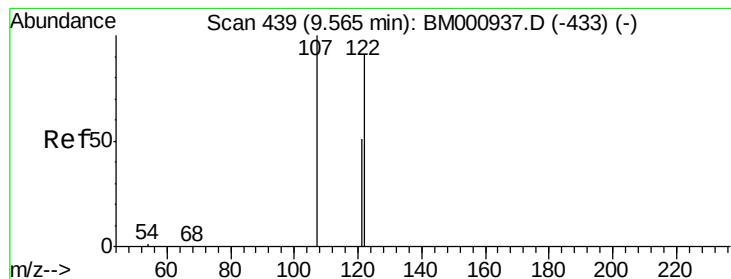
Tgt Ion: 82 Resp: 39804
Ion Ratio Lower Upper
82 100
128 42.3 33.4 50.0
54 49.2 40.5 60.7



#10
Nitrobenzene
Concen: 0.20 ng
RT: 8.76 min Scan# 383
Delta R.T. -0.04 min
Lab File: BM000940.D
Acq: 10 Apr 2015 15:38

Tgt Ion: 77 Resp: 136
Ion Ratio Lower Upper
77 100
123 33.8 35.0 52.6#
65 56.6 10.7 16.1#





#11

2,4-Dimethylphenol

Concen: 0.00 ng

RT: 9.65 min Scan# 442

Delta R.T. 0.08 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

Instrument :

BNA_M

ClientSampleId :

PB82531BL

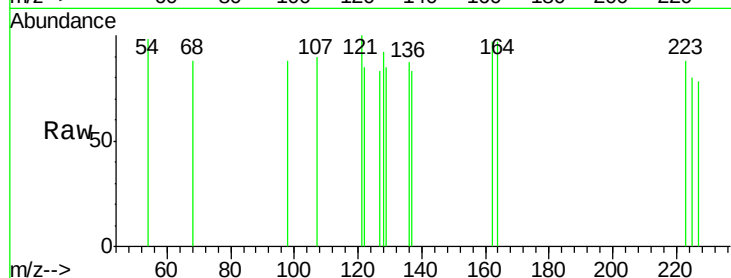
Tgt Ion:122 Resp: 26

Ion Ratio Lower Upper

122 100

107 105.9 89.8 134.6

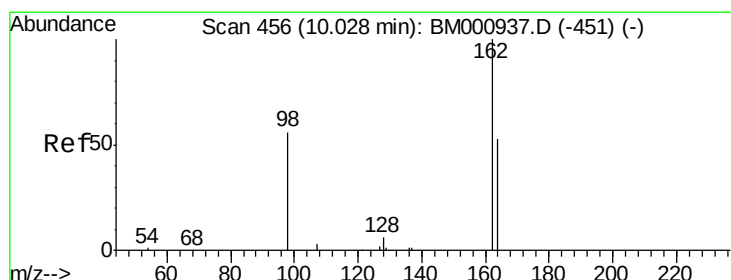
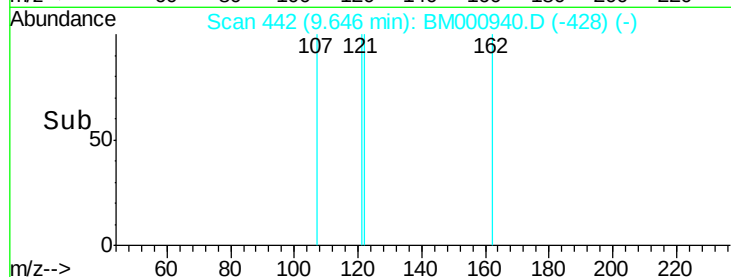
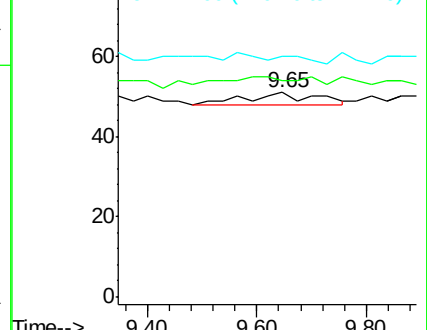
121 117.6 46.6 70.0#



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: 0.01 ng

RT: 10.05 min Scan# 457

Delta R.T. 0.03 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

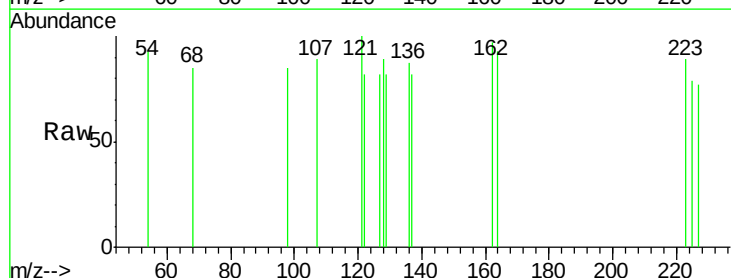
Tgt Ion:162 Resp: 26

Ion Ratio Lower Upper

162 100

164 96.6 32.5 72.5#

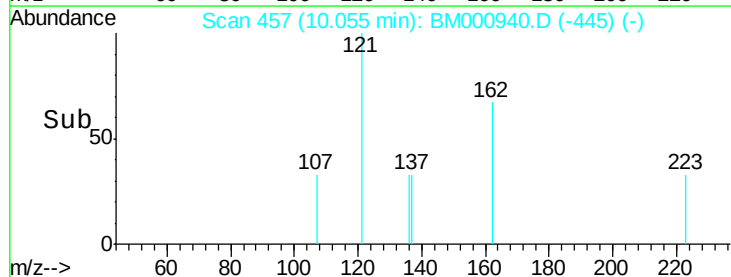
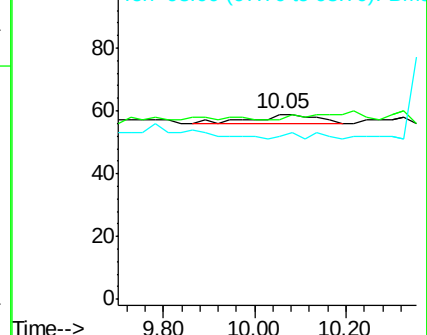
98 88.1 40.5 80.5#

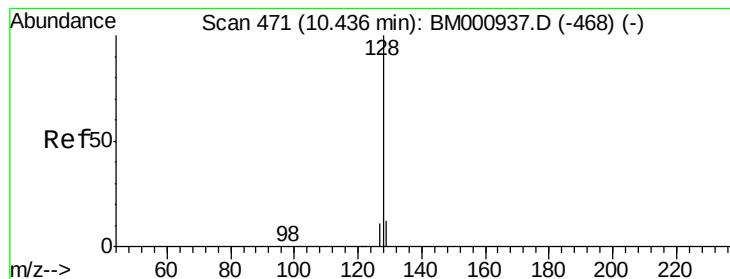


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM





#13

Naphthalene

Concen: 0.00 ng

RT: 10.44 min Scan# 471

Delta R.T. -0.00 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

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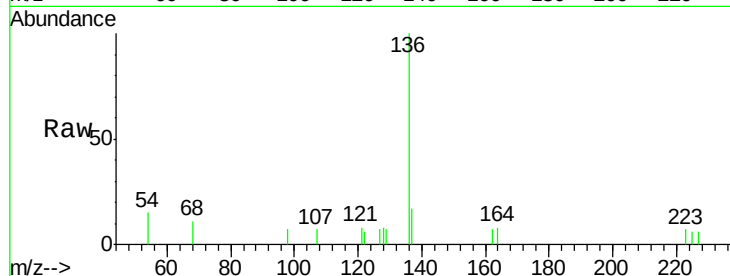
Tgt Ion:128 Resp: 41

Ion Ratio Lower Upper

128 100

129 88.3 9.8 14.6#

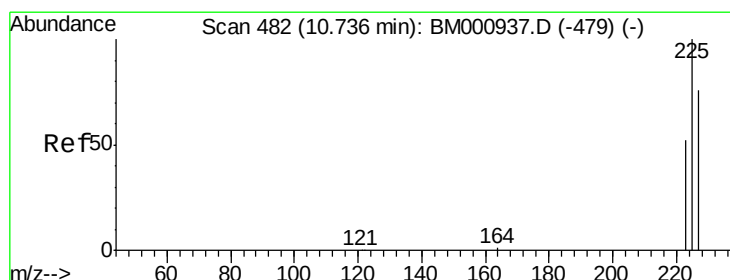
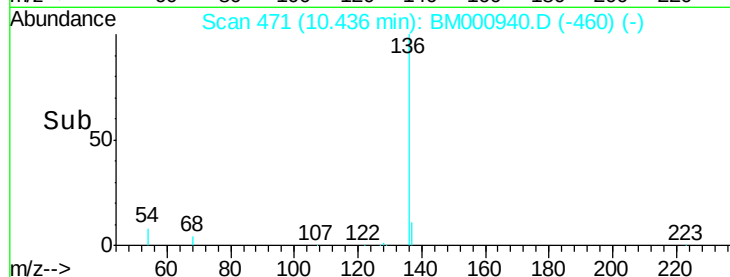
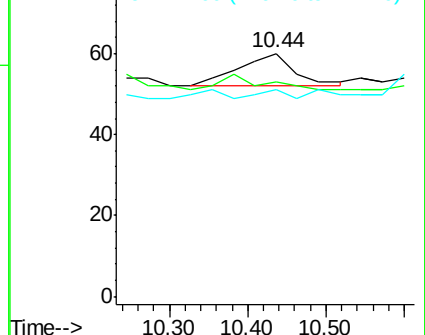
127 85.0 9.1 13.7#



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: 0.00 ng

RT: 10.71 min Scan# 481

Delta R.T. -0.03 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

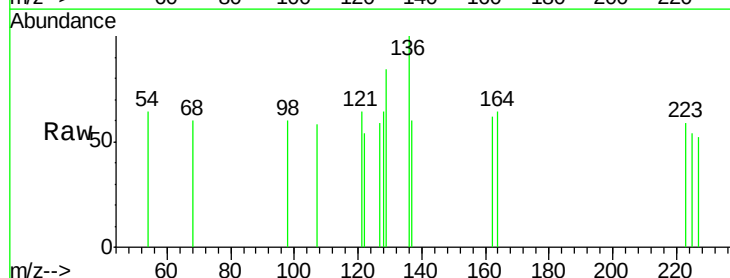
Tgt Ion:225 Resp: 15

Ion Ratio Lower Upper

225 100

223 108.0 42.2 63.2#

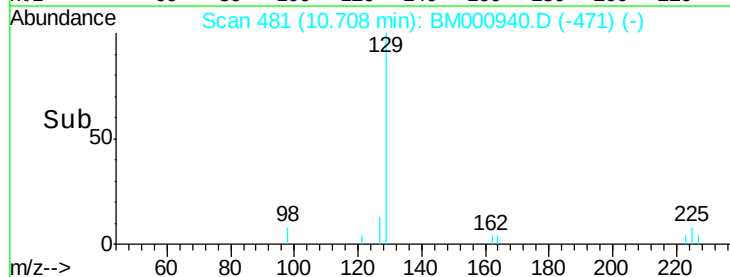
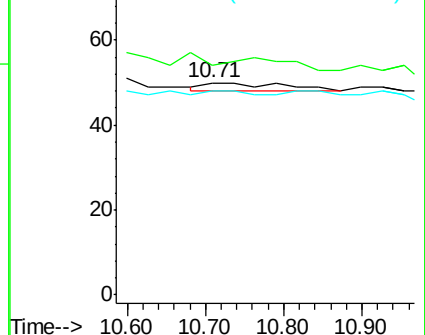
227 96.0 61.4 92.2#

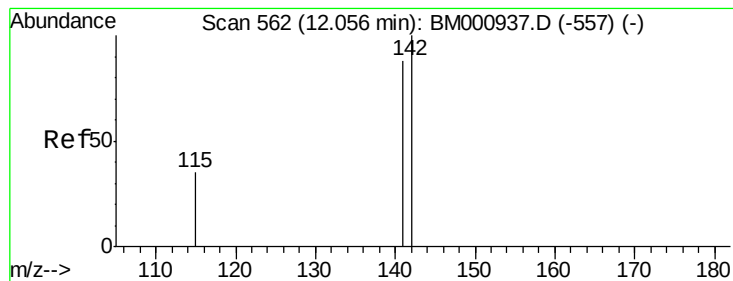


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#15

2-Methylnaphthalene

Concen: 0.00 ng

RT: 12.07 min Scan# 563

Delta R.T. 0.01 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

Instrument :

BNA_M

ClientSampleId :

PB82531BL

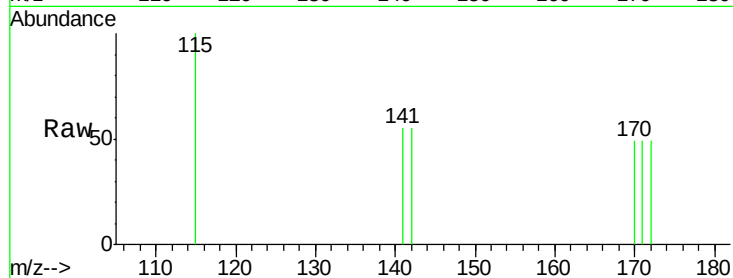
Tgt Ion:142 Resp: 13

Ion Ratio Lower Upper

142 100

141 100.0 71.2 106.8

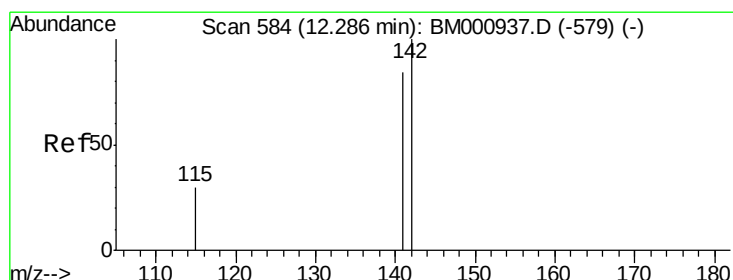
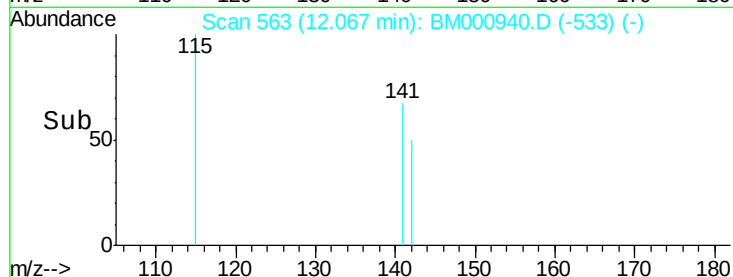
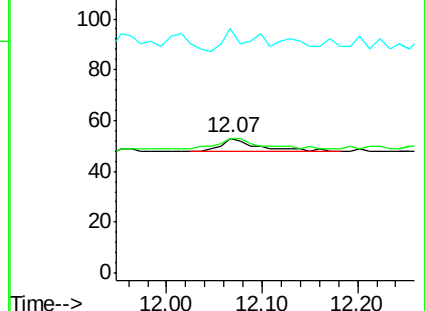
115 181.1 28.3 42.5#



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: 0.00 ng

RT: 12.30 min Scan# 585

Delta R.T. 0.01 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

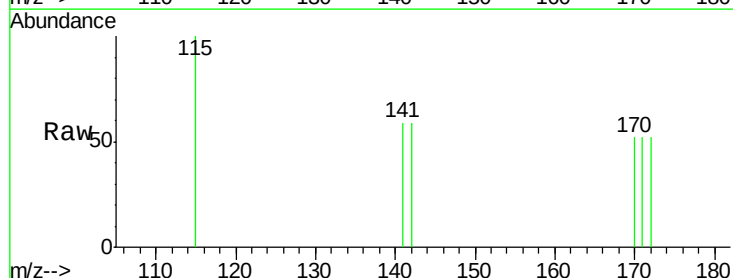
Tgt Ion:142 Resp: 11

Ion Ratio Lower Upper

142 100

141 100.0 66.7 100.1

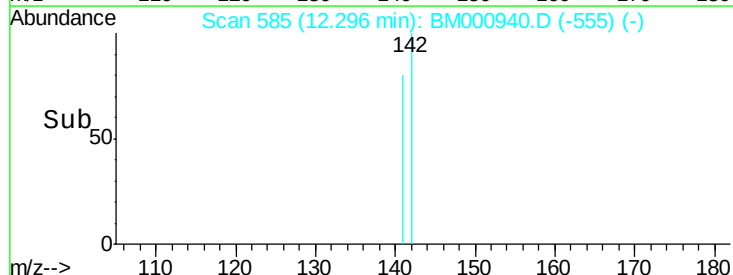
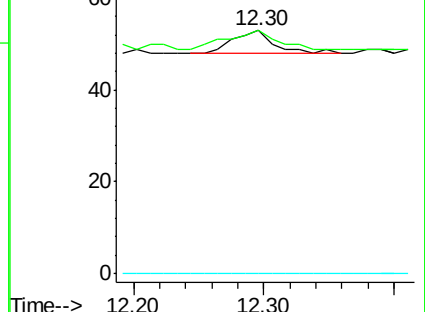
116 0.0 0.0 0.0

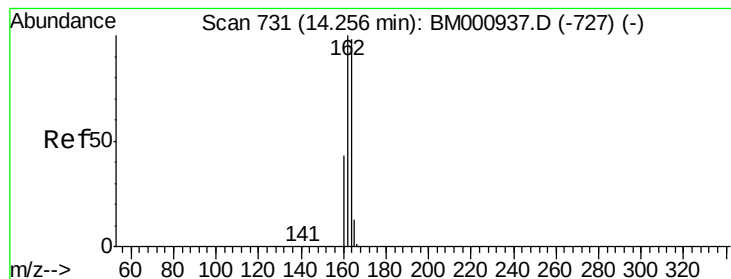


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.26 min Scan# 731

Delta R.T. -0.00 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

Instrument :

BNA_M

ClientSampleId :

PB82531BL

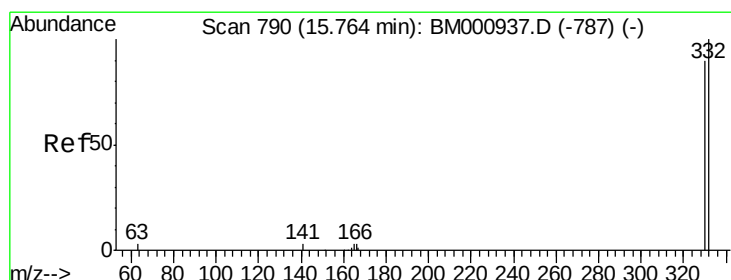
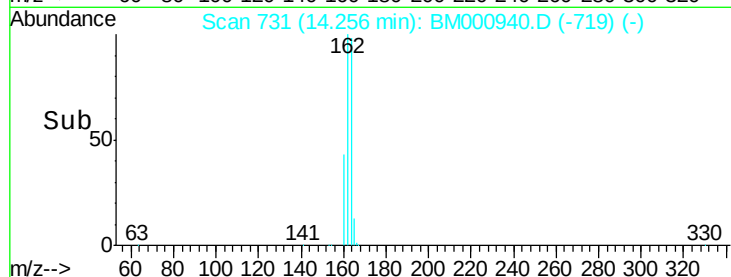
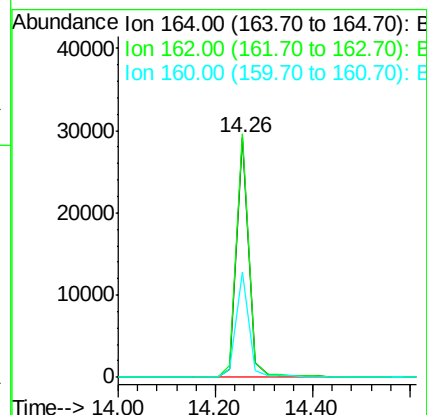
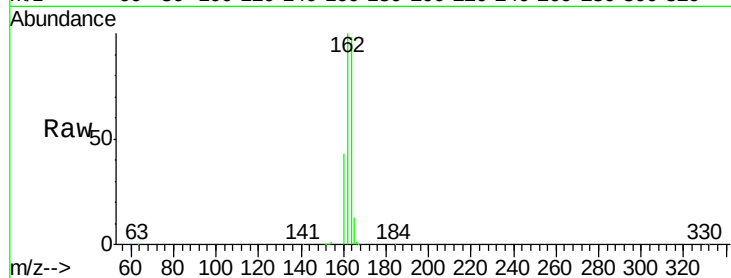
Tgt Ion:164 Resp: 50069

Ion Ratio Lower Upper

164 100

162 101.7 96.1 144.1

160 43.8 48.2 72.2#



#18

2,4,6-Tribromophenol

Concen: 8.92 ng

RT: 15.76 min Scan# 790

Delta R.T. -0.00 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

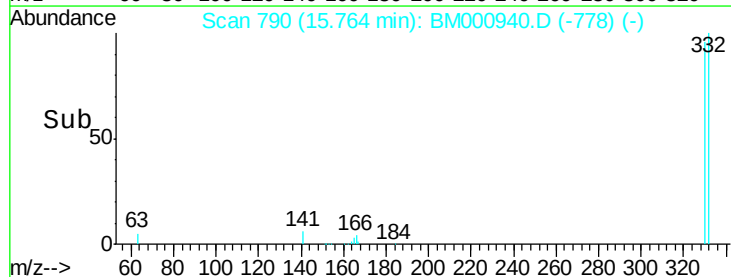
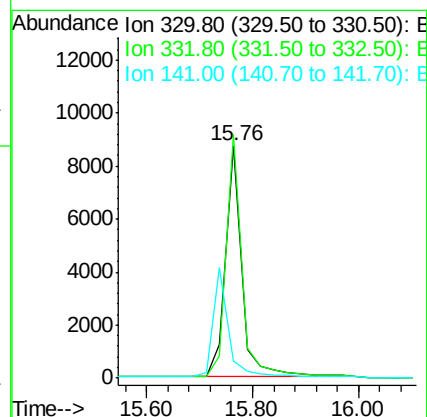
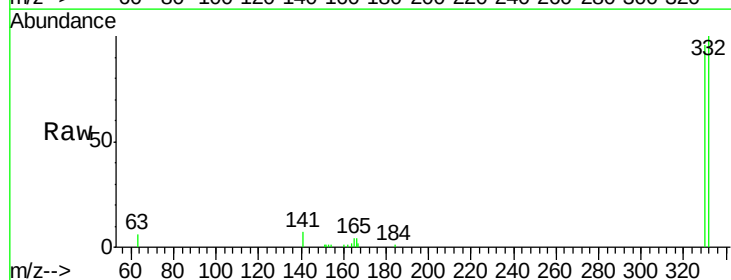
Tgt Ion:330 Resp: 18547

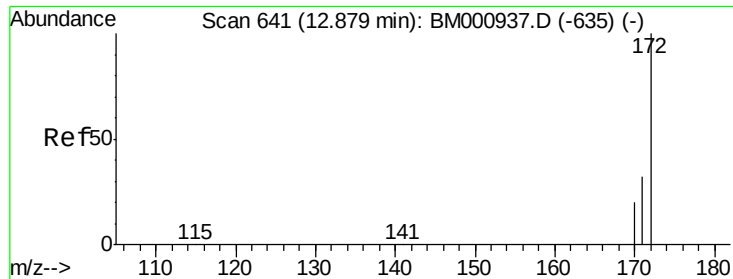
Ion Ratio Lower Upper

330 100

332 100.5 75.4 113.2

141 0.0 0.0 0.0

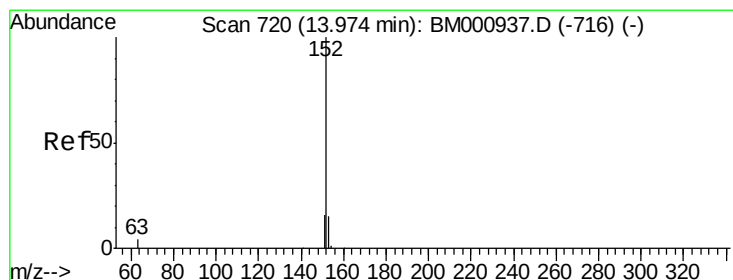
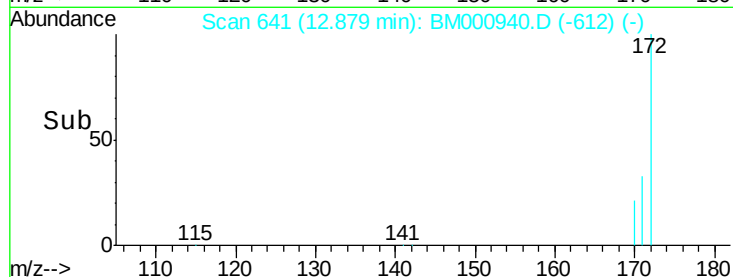
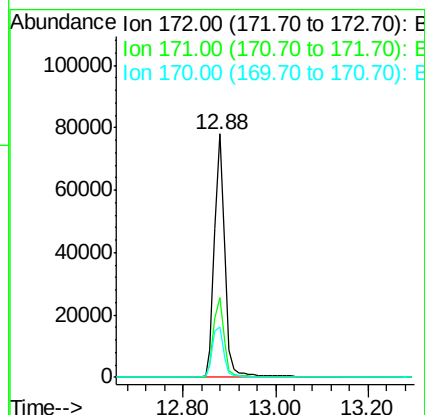
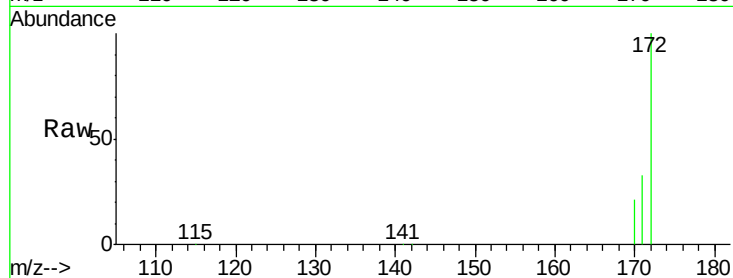




#19
2-Fluorobiphenyl
Concen: 8.69 ng
RT: 12.88 min Scan# 641
Delta R.T. -0.00 min
Lab File: BM000940.D
Acq: 10 Apr 2015 15:38

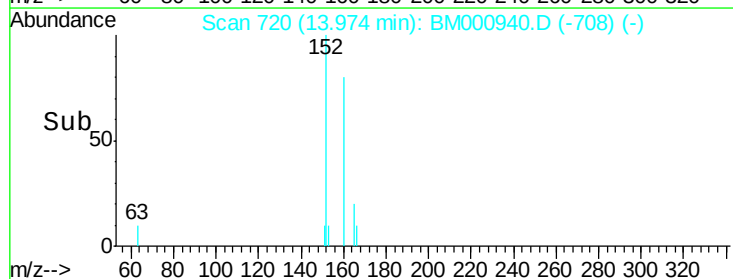
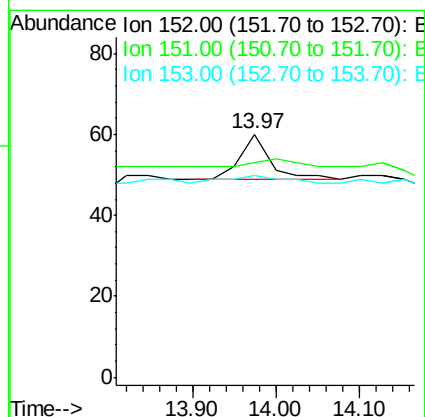
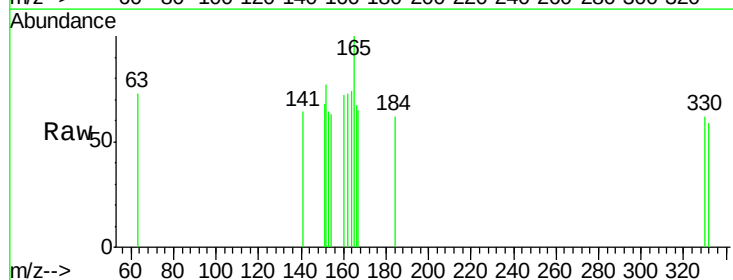
Instrument :
BNA_M
ClientSampled :
PB82531BL

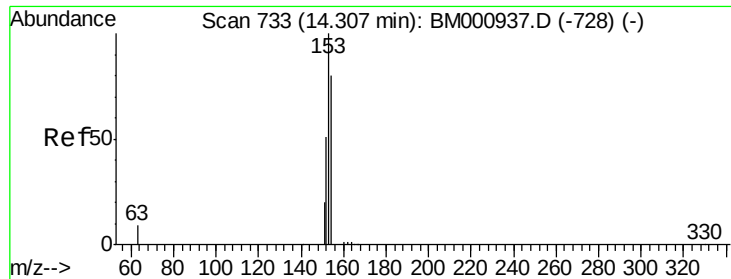
Tgt Ion:172 Resp: 121833
Ion Ratio Lower Upper
172 100
171 33.0 26.7 40.1
170 20.7 17.0 25.4



#20
Acenaphthylene
Concen: Below Cal
RT: 13.97 min Scan# 720
Delta R.T. -0.00 min
Lab File: BM000940.D
Acq: 10 Apr 2015 15:38

Tgt Ion:152 Resp: 28
Ion Ratio Lower Upper
152 100
151 88.3 15.4 23.0#
153 83.3 10.2 15.2#





#21

Acenaphthene

Concen: 0.01 ng

RT: 14.26 min Scan# 731

Delta R.T. -0.05 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

Instrument :

BNA_M

ClientSampleId :

PB82531BL

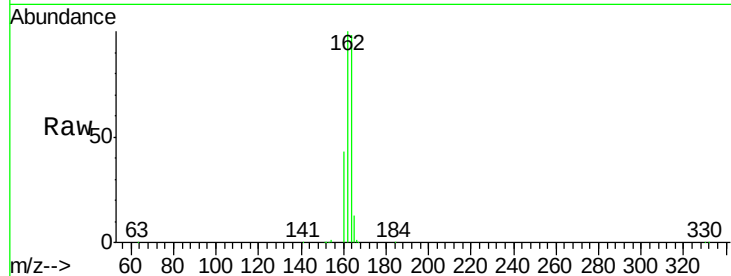
Tgt Ion:154 Resp: 190

Ion Ratio Lower Upper

154 100

153 36.9 73.7 110.5#

152 34.2 29.0 43.6

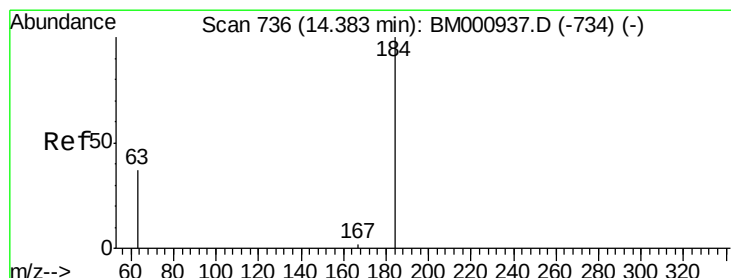
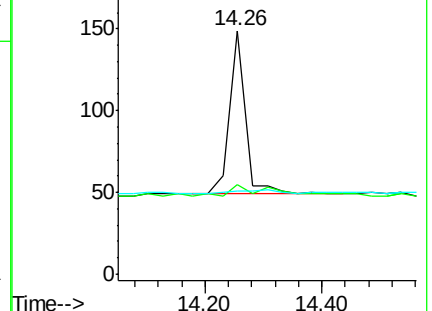
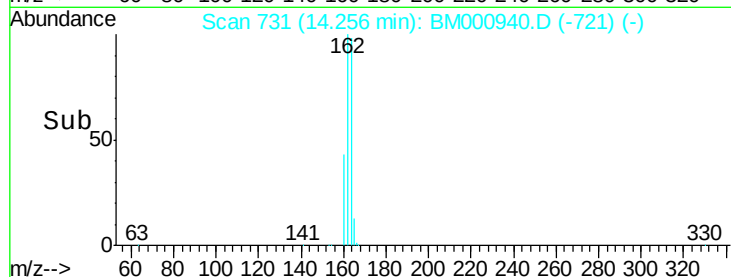


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

14.26



#22

2,4-Dinitrophenol

Concen: 0.22 ng

RT: 14.36 min Scan# 735

Delta R.T. -0.03 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

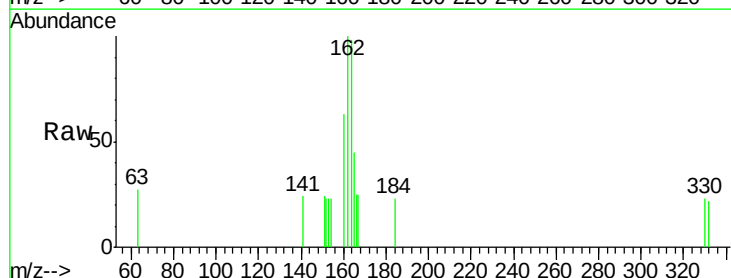
Tgt Ion:184 Resp: 9

Ion Ratio Lower Upper

184 100

63 116.3 39.0 58.4#

154 100.0 43.8 65.8#

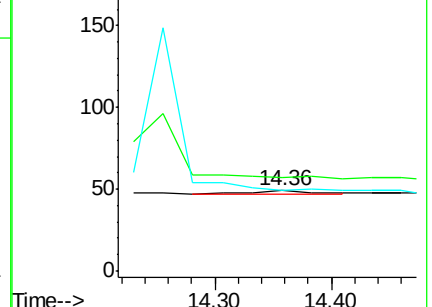
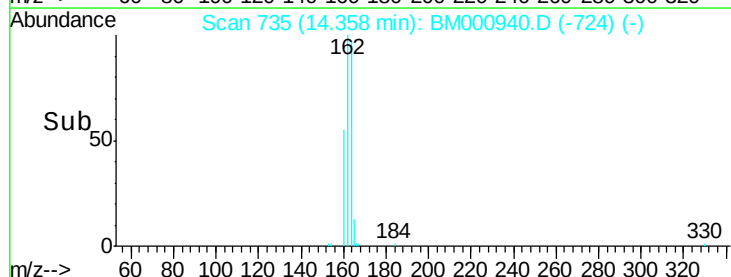


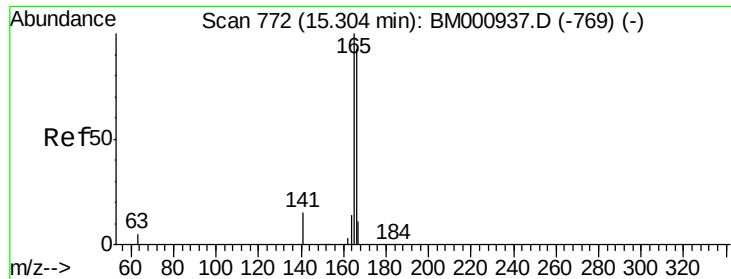
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 154.00 (153.70 to 154.70): E

14.36





#23

Fluorene

Concen: 0.00 ng

RT: 15.33 min Scan# 773

Delta R.T. 0.03 min

Lab File: BM000940.D

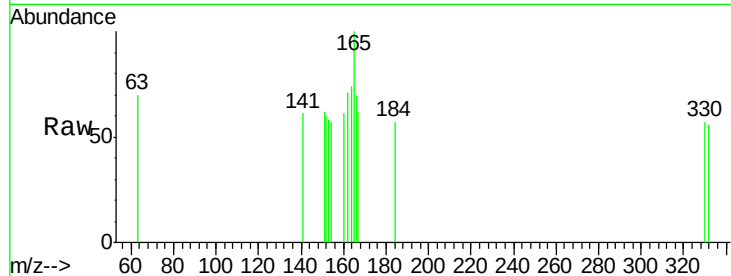
Acq: 10 Apr 2015 15:38

Instrument :

BNA_M

ClientSampleId :

PB82531BL



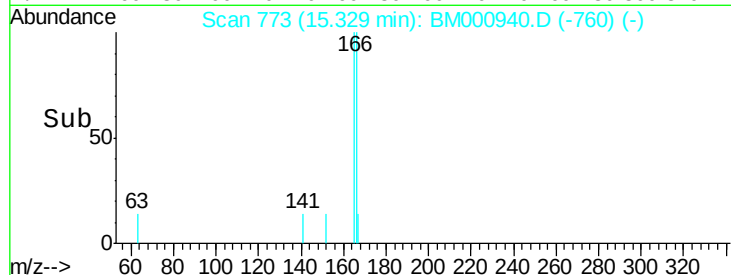
Tgt Ion:166 Resp: 28

Ion Ratio Lower Upper

166 100

165 142.4 63.7 95.5#

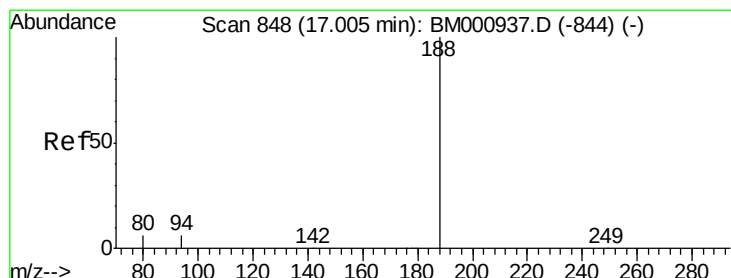
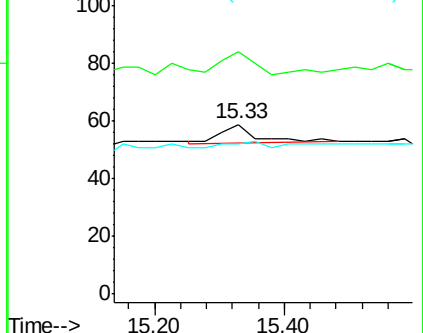
167 88.1 12.7 19.1#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.00 min Scan# 848

Delta R.T. -0.00 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

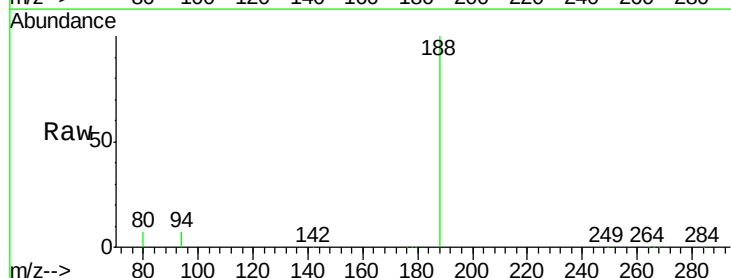
Tgt Ion:188 Resp: 103201

Ion Ratio Lower Upper

188 100

94 7.3 12.2 18.4#

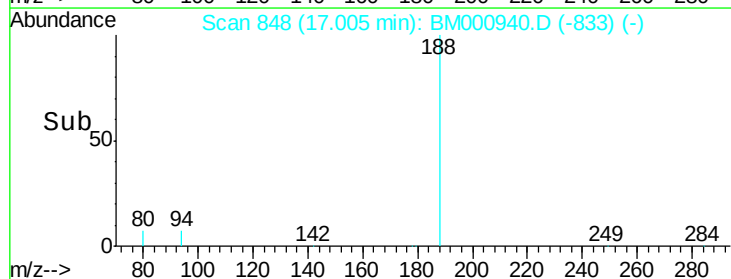
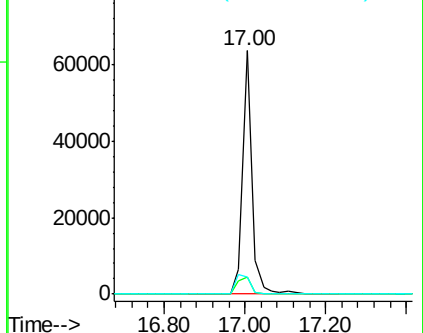
80 6.9 13.4 20.0#

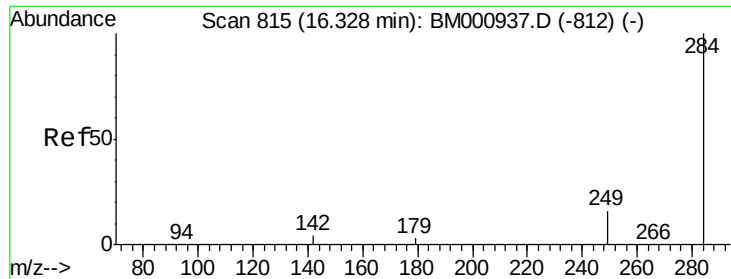


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#25

Hexachlorobenzene

Concen: 0.00 ng

RT: 16.31 min Scan# 814

Delta R.T. -0.02 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

Instrument :

BNA_M

ClientSampleId :

PB82531BL

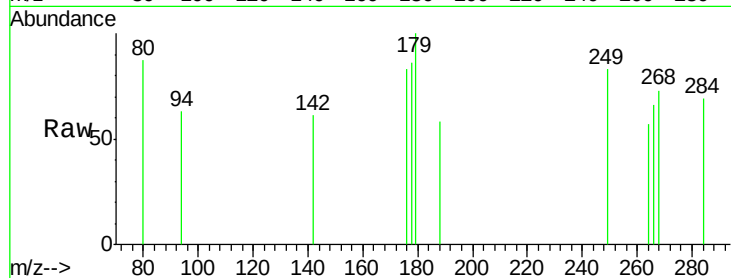
Tgt Ion: 284 Resp: 22

Ion Ratio Lower Upper

284 100

142 89.5 16.2 24.2#

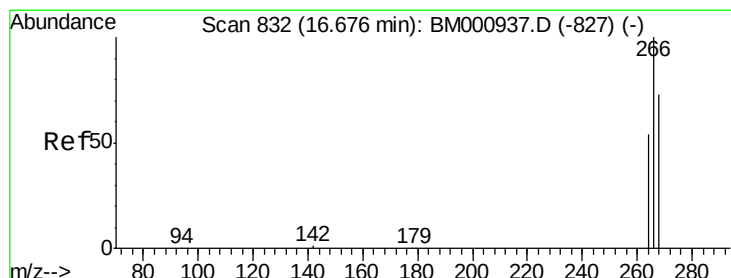
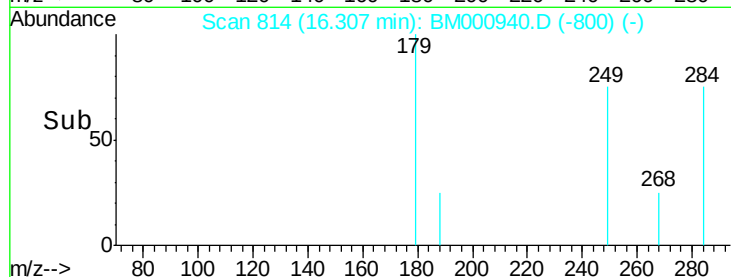
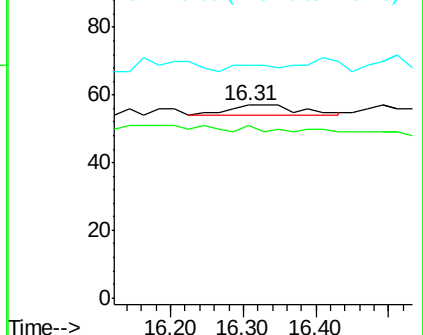
249 121.1 27.4 41.2#



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: 0.20 ng

RT: 16.68 min Scan# 832

Delta R.T. -0.00 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

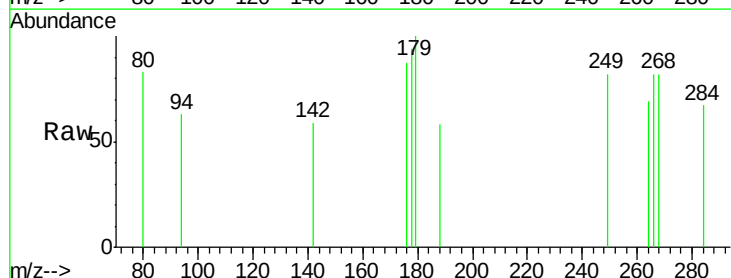
Tgt Ion: 266 Resp: 57

Ion Ratio Lower Upper

266 100

268 100.0 53.0 79.4#

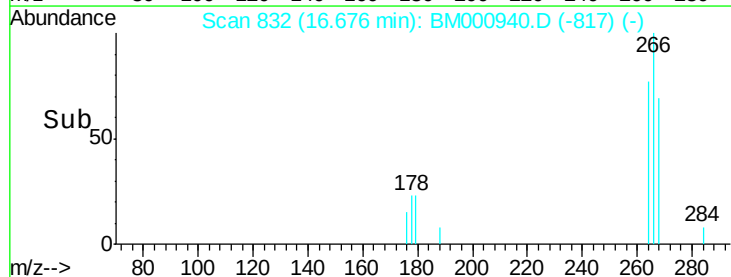
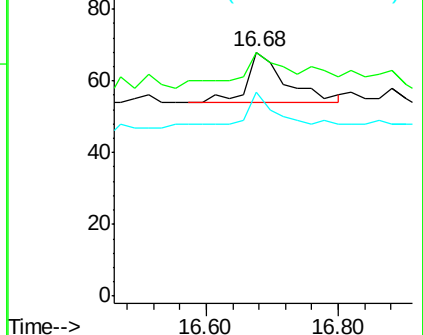
264 83.8 49.4 74.0#

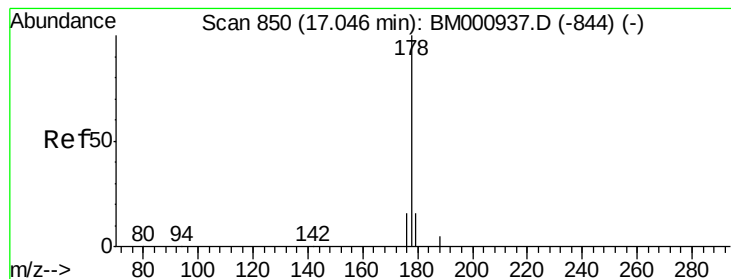


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#27

Phenanthrene

Concen: 0.00 ng

RT: 17.00 min Scan# 848

Delta R.T. -0.04 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

Instrument :

BNA_M

ClientSampleId :

PB82531BL

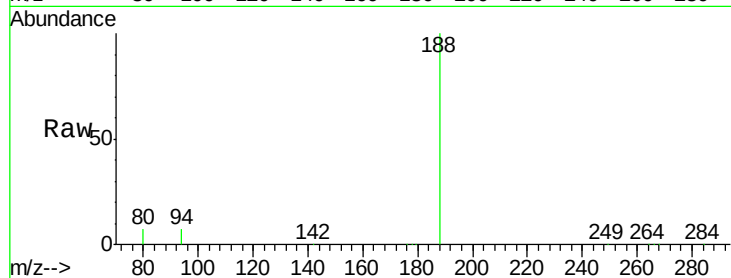
Tgt Ion:178 Resp: 98

Ion Ratio Lower Upper

178 100

176 73.2 16.0 24.0#

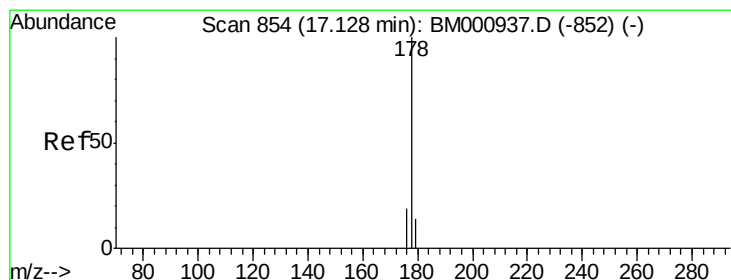
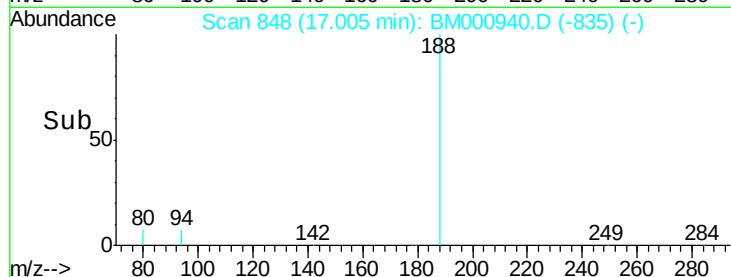
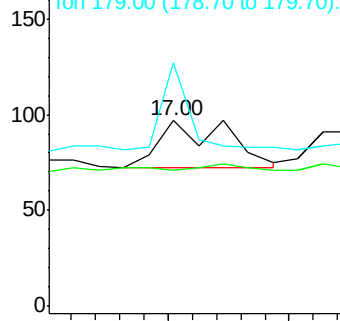
179 130.9 11.4 17.2#



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: 0.00 ng

RT: 17.15 min Scan# 855

Delta R.T. 0.02 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

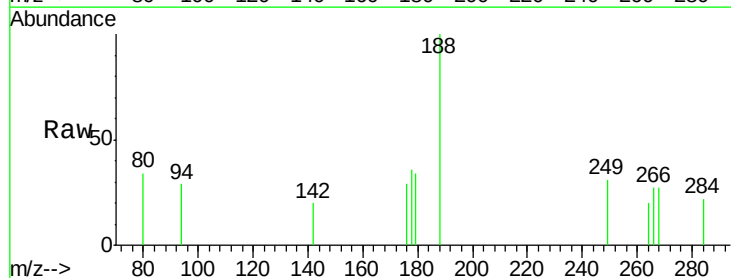
Tgt Ion:178 Resp: 52

Ion Ratio Lower Upper

178 100

176 79.3 12.7 19.1#

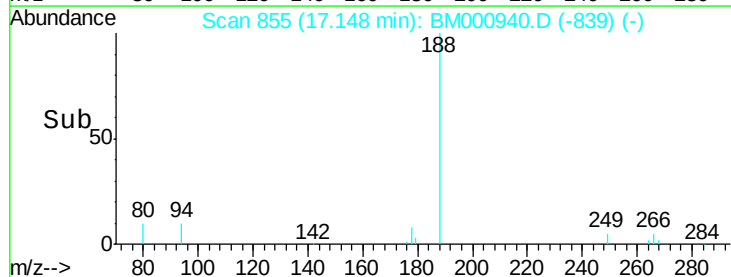
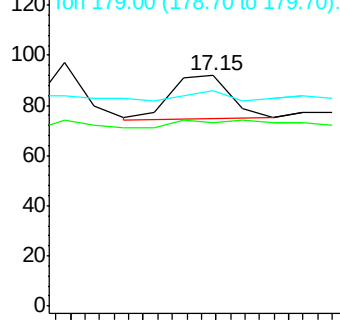
179 93.5 13.9 20.9#

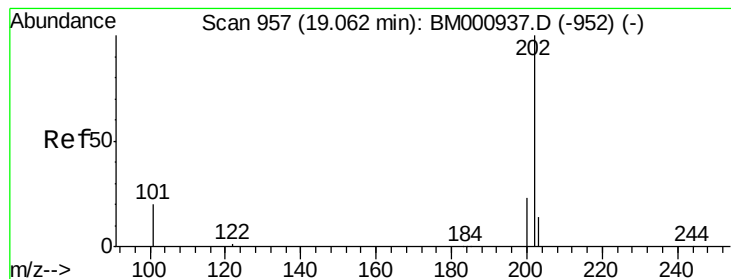


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Fluoranthene

Concen: 0.00 ng

RT: 19.08 min Scan# 958

Delta R.T. 0.02 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

Instrument :

BNA_M

ClientSampleId :

PB82531BL

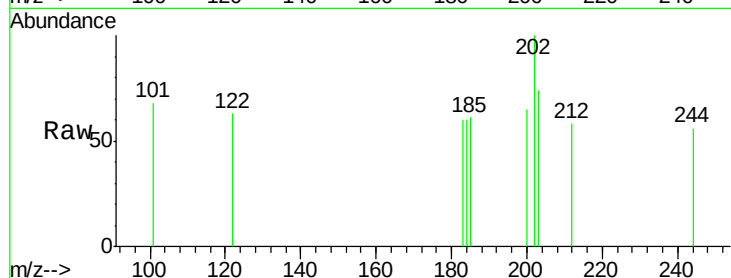
Tgt Ion:202 Resp: 70

Ion Ratio Lower Upper

202 100

101 67.9 0.0 24.1#

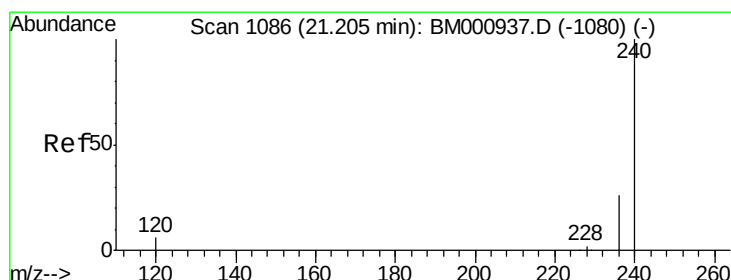
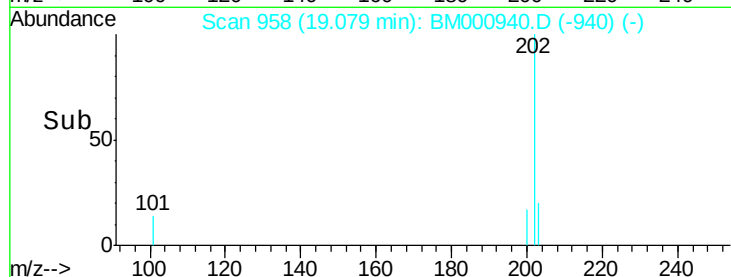
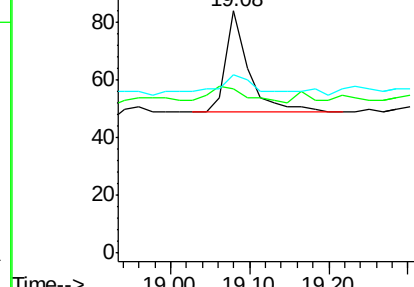
203 73.8 0.0 38.4#



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: 21.21 min Scan# 1086

Delta R.T. -0.00 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

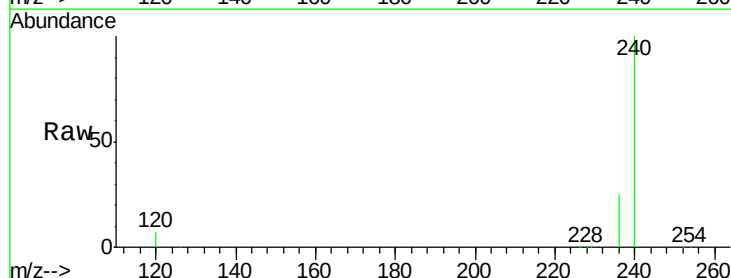
Tgt Ion:240 Resp: 82348

Ion Ratio Lower Upper

240 100

120 6.7 6.8 10.2#

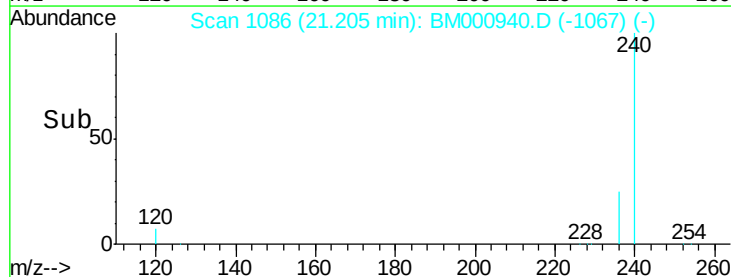
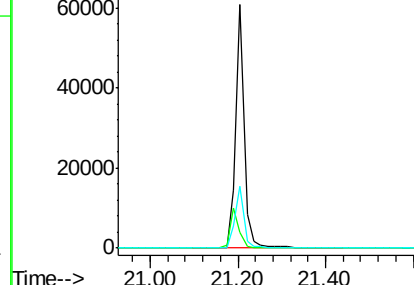
236 25.5 22.1 33.1

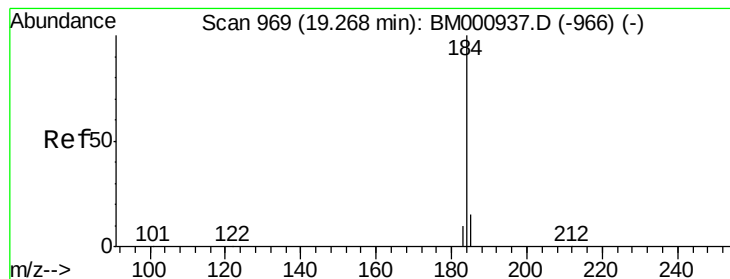


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#31

Benzidine

Concen: 0.09 ng

RT: 19.30 min Scan# 971

Delta R.T. 0.03 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

Instrument :

BNA_M

ClientSampleId :

PB82531BL

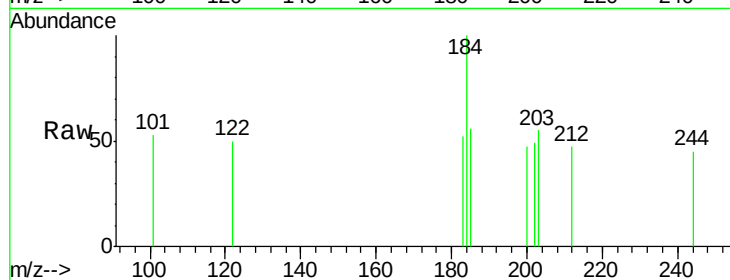
Tgt Ion:184 Resp: 293

Ion Ratio Lower Upper

184 100

185 55.8 12.2 18.4#

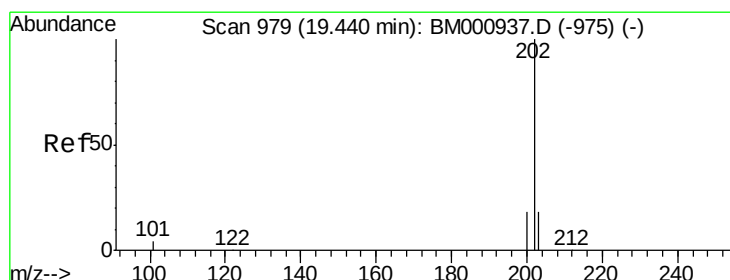
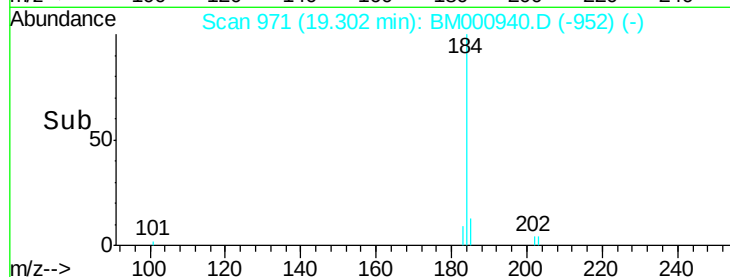
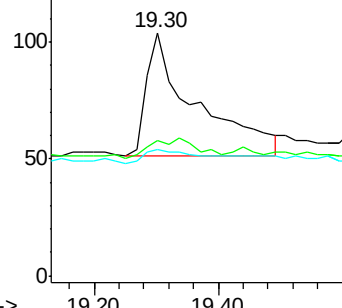
183 51.9 10.3 15.5#



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: 0.00 ng

RT: 19.44 min Scan# 979

Delta R.T. -0.00 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

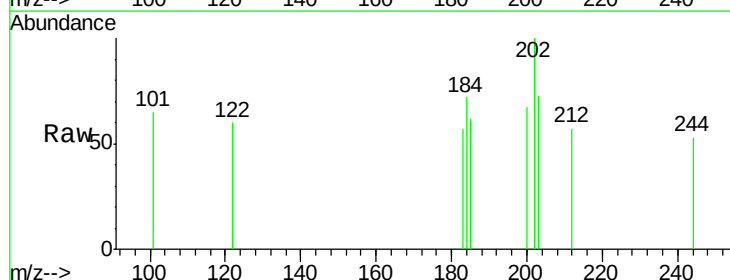
Tgt Ion:202 Resp: 79

Ion Ratio Lower Upper

202 100

200 67.4 16.2 24.4#

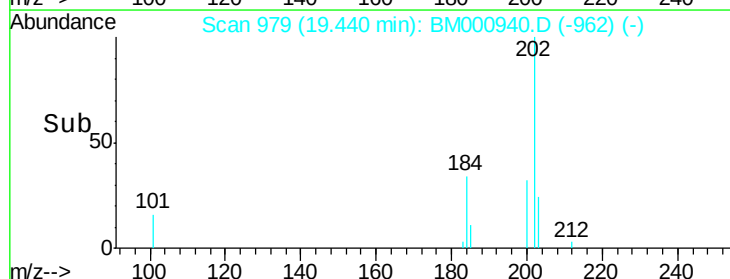
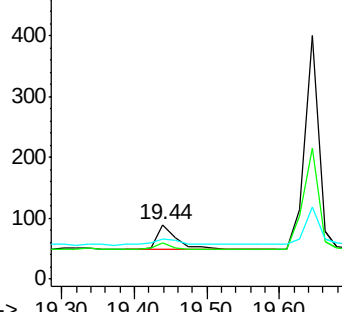
203 73.0 13.5 20.3#

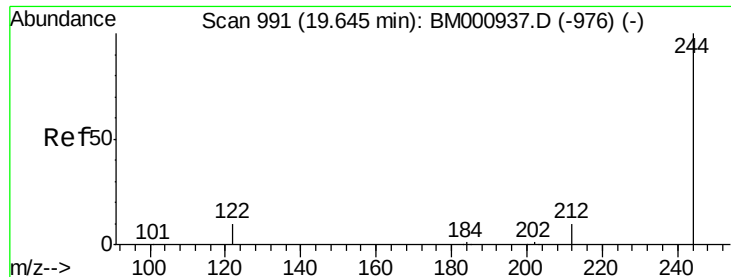


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

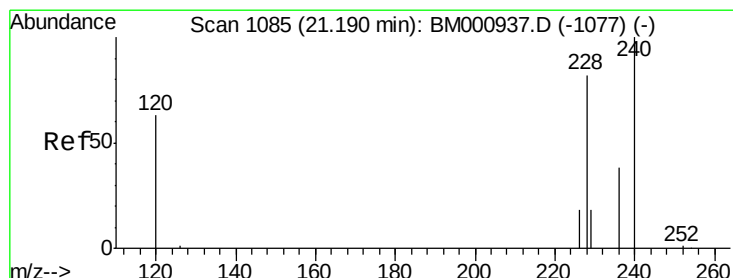
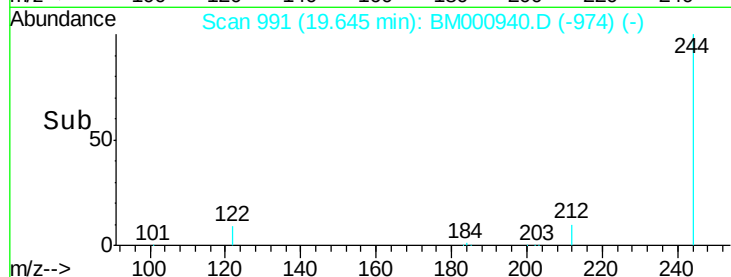
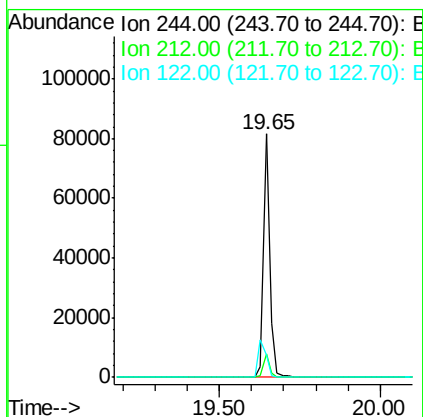
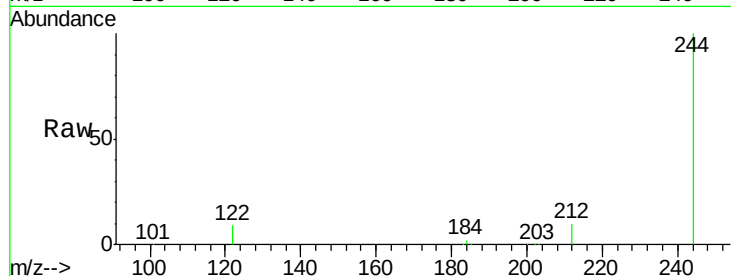




#33
 Terphenyl-d14
 Concen: 10.99 ng
 RT: 19.65 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: BM000940.D
 Acq: 10 Apr 2015 15:38

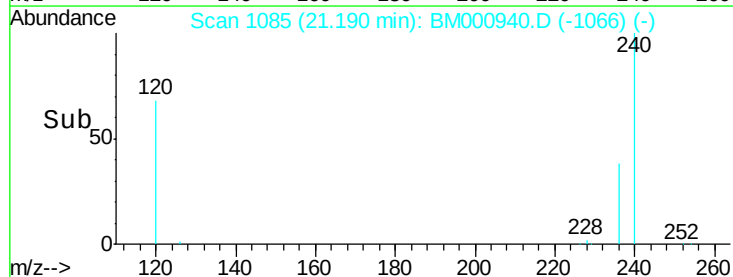
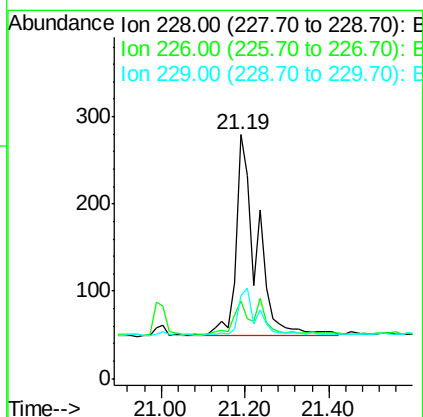
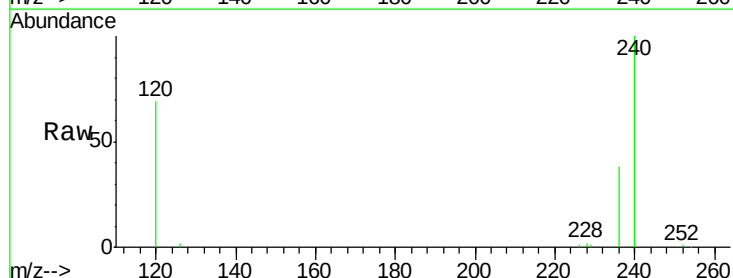
Instrument :
 BNA_M
 ClientSampled :
 PB82531BL

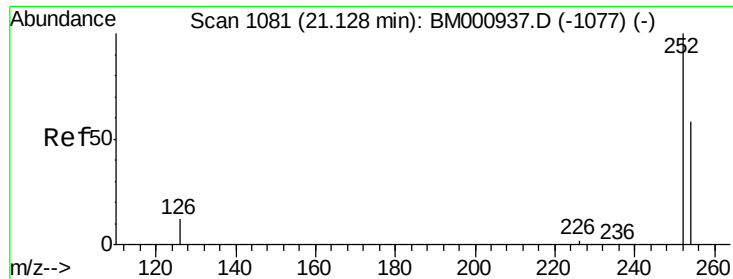
Tgt Ion:244 Resp: 110210
 Ion Ratio Lower Upper
 244 100
 212 9.6 9.4 14.0
 122 9.0 20.9 31.3#



#34
 Benzo(a)anthracene
 Concen: 0.03 ng
 RT: 21.19 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: BM000940.D
 Acq: 10 Apr 2015 15:38

Tgt Ion:228 Resp: 787
 Ion Ratio Lower Upper
 228 100
 226 31.9 18.9 28.3#
 229 34.1 16.8 25.2#

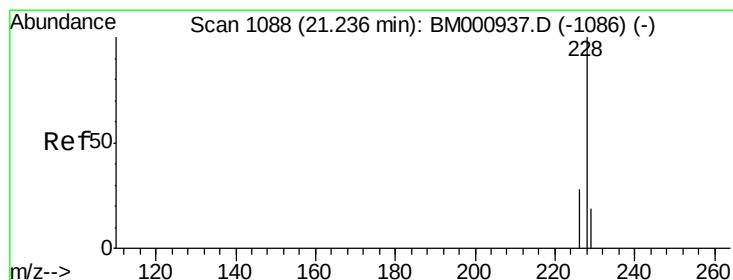
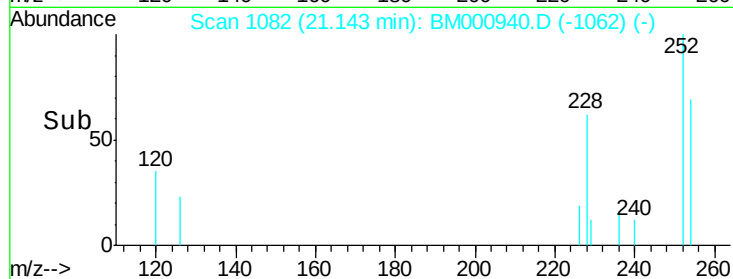
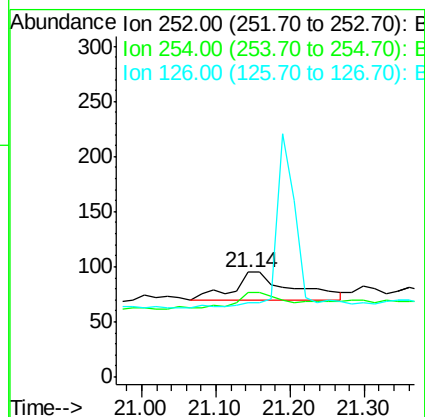
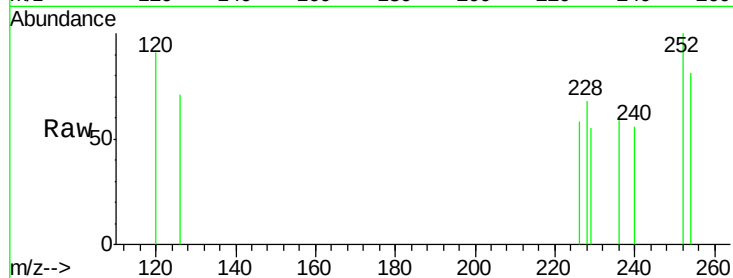




#35
 3,3'-Dichlorobenzidine
 Concen: 0.32 ng
 RT: 21.14 min Scan# 1082
 Delta R.T. 0.02 min
 Lab File: BM000940.D
 Acq: 10 Apr 2015 15:38

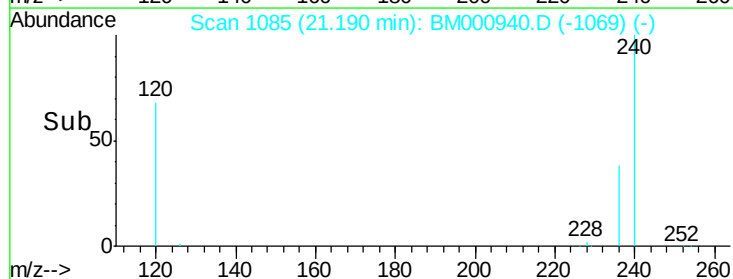
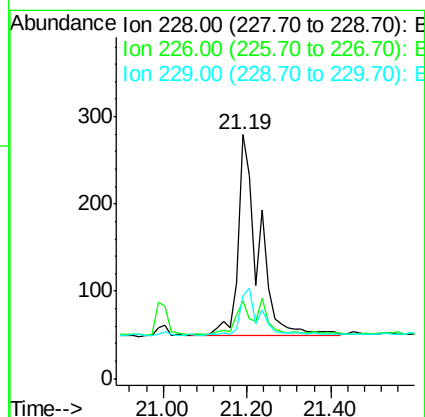
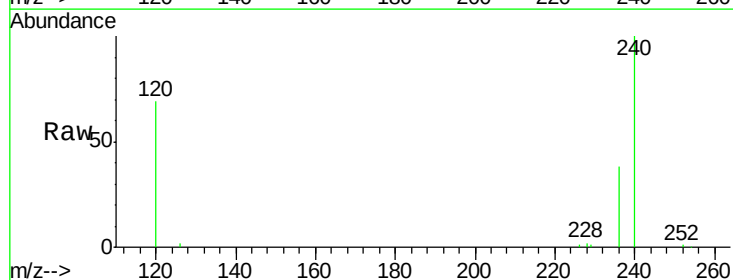
Instrument :
 BNA_M
 ClientSampled :
 PB82531BL

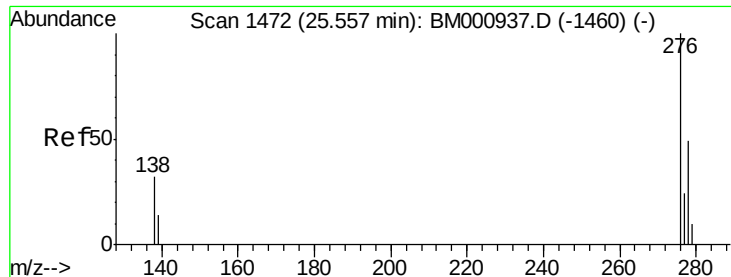
Tgt Ion: 252 Resp: 138
 Ion Ratio Lower Upper
 252 100
 254 81.1 43.4 65.2#
 126 70.5 12.3 18.5#



#36
 Chrysene
 Concen: 0.03 ng
 RT: 21.19 min Scan# 1085
 Delta R.T. -0.05 min
 Lab File: BM000940.D
 Acq: 10 Apr 2015 15:38

Tgt Ion: 228 Resp: 787
 Ion Ratio Lower Upper
 228 100
 226 31.9 23.4 35.2
 229 34.1 15.0 22.6#

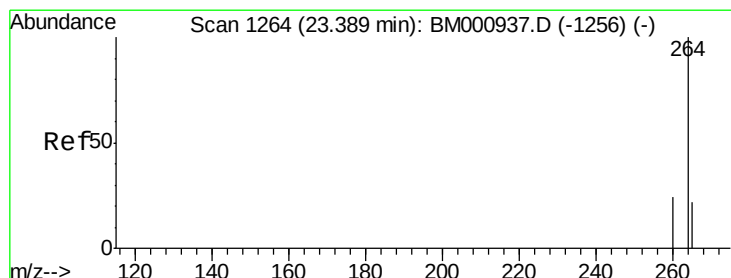
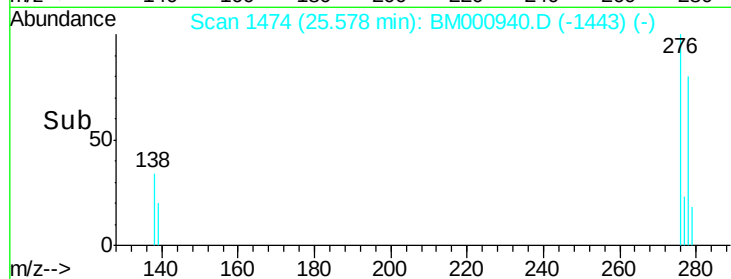
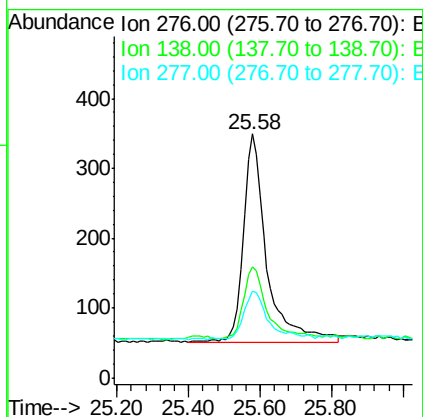
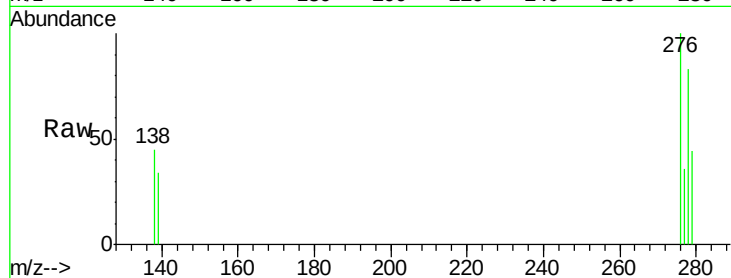




#37
 Indeno(1,2,3-cd)pyrene
 Concen: 0.05 ng
 RT: 25.58 min Scan# 1474
 Delta R.T. 0.02 min
 Lab File: BM000940.D
 Acq: 10 Apr 2015 15:38

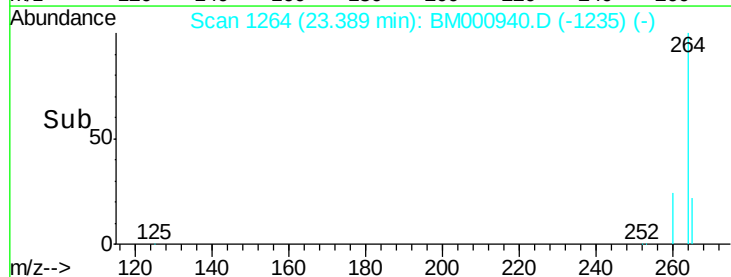
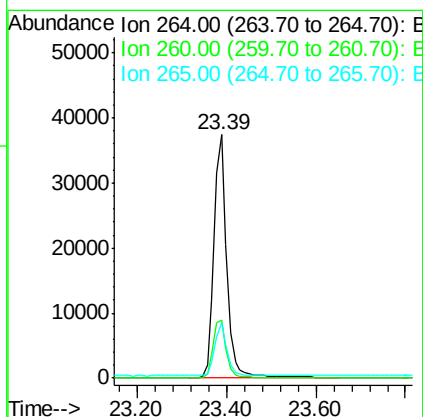
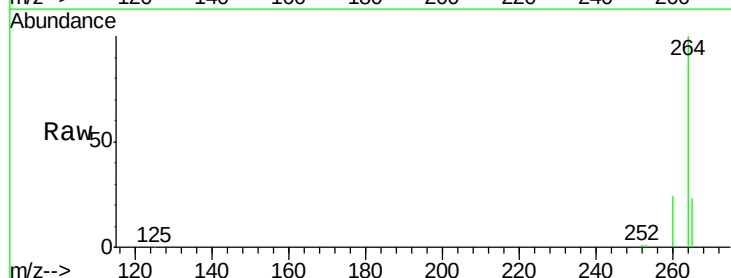
Instrument :
 BNA_M
 ClientSampleId :
 PB82531BL

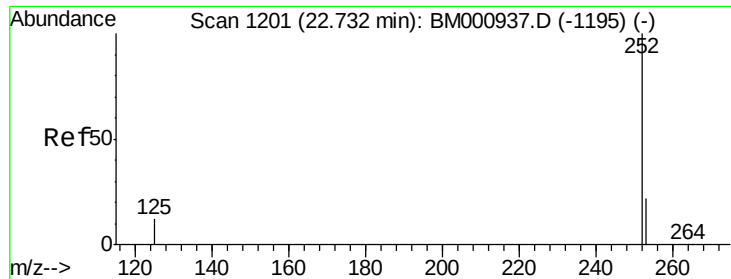
Tgt Ion: 276 Resp: 1343
 Ion Ratio Lower Upper
 276 100
 138 34.1 26.6 40.0
 277 22.8 19.8 29.6



#38
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.39 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: BM000940.D
 Acq: 10 Apr 2015 15:38

Tgt Ion: 264 Resp: 74081
 Ion Ratio Lower Upper
 264 100
 260 23.9 20.6 30.8
 265 22.5 16.4 24.6





#39

Benzo(b)fluoranthene

Concen: 0.02 ng

RT: 22.73 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

Instrument :

BNA_M

ClientSampleId :

PB82531BL

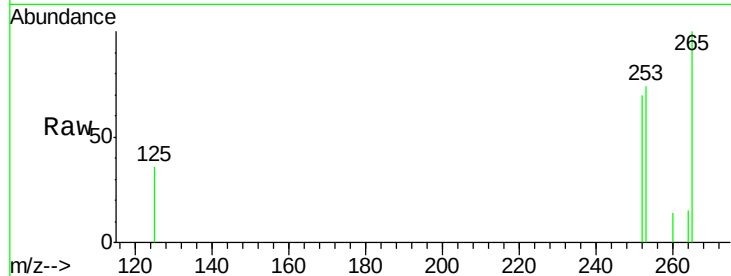
Tgt Ion:252 Resp: 356

Ion Ratio Lower Upper

252 100

253 105.6 16.9 25.3#

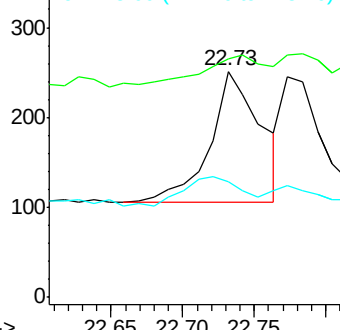
125 51.0 11.3 16.9#



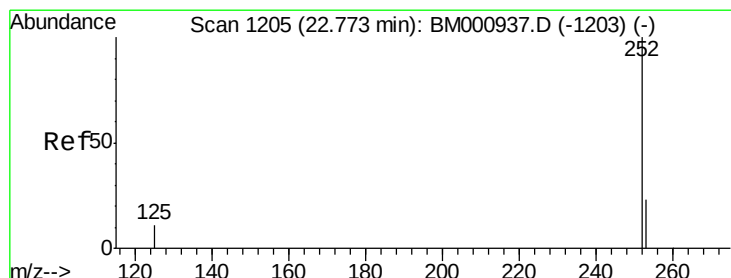
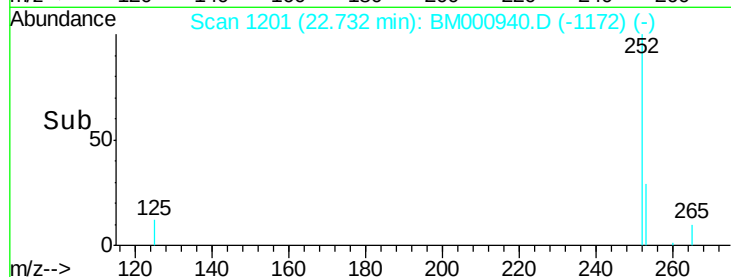
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#40

Benzo(k)fluoranthene

Concen: 0.01 ng

RT: 22.77 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

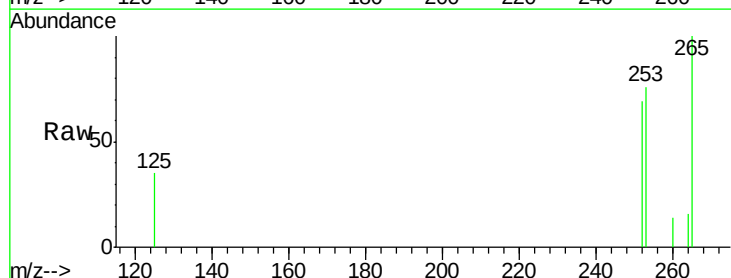
Tgt Ion:252 Resp: 293

Ion Ratio Lower Upper

252 100

253 109.8 16.9 25.3#

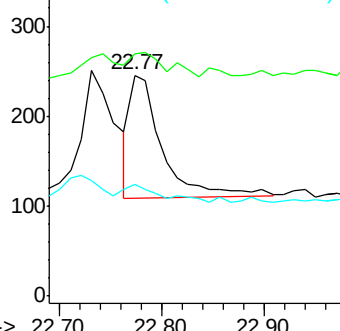
125 50.4 11.2 16.8#



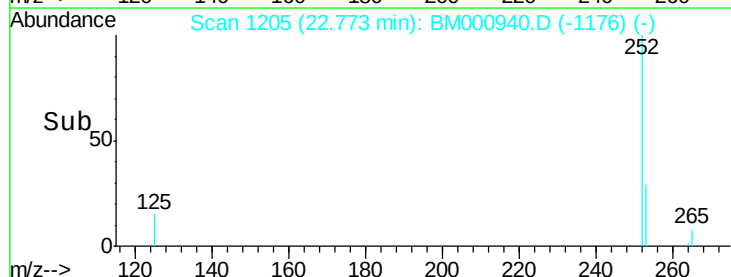
Abundance Ion 252.00 (251.70 to 252.70): E

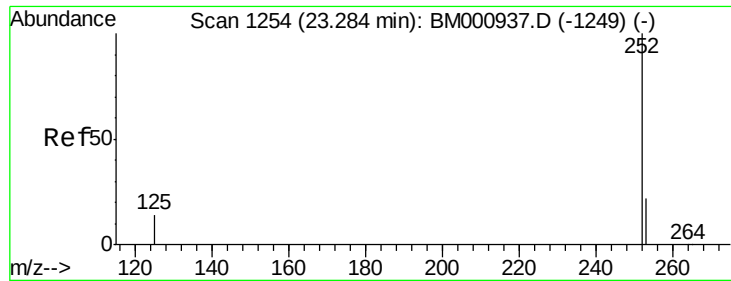
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#41

Benzo(a)pyrene

Concen: 0.02 ng

RT: 23.29 min Scan# 1255

Delta R.T. 0.01 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

Instrument :

BNA_M

ClientSampleId :

PB82531BL

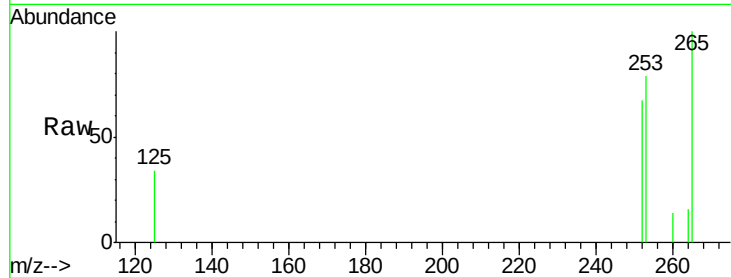
Tgt Ion: 252 Resp: 395

Ion Ratio Lower Upper

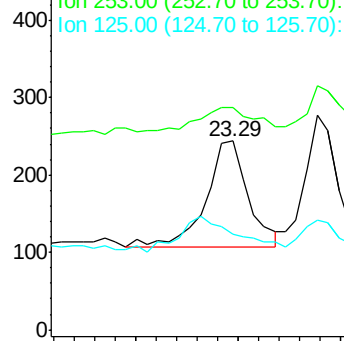
252 100

253 117.6 19.0 28.4#

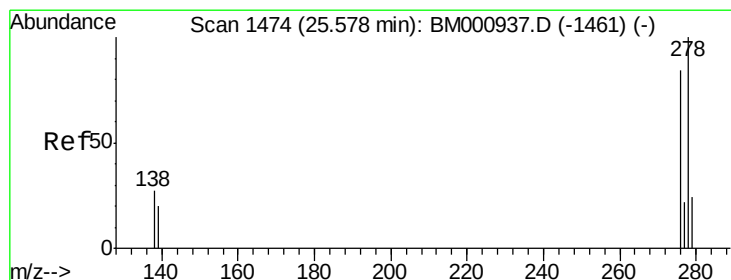
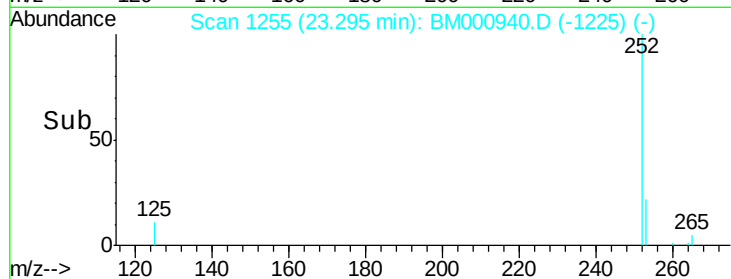
125 50.8 11.0 16.6#



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



Time-->



#42

Dibenzo(a,h)anthracene

Concen: 0.08 ng

RT: 25.60 min Scan# 1476

Delta R.T. 0.02 min

Lab File: BM000940.D

Acq: 10 Apr 2015 15:38

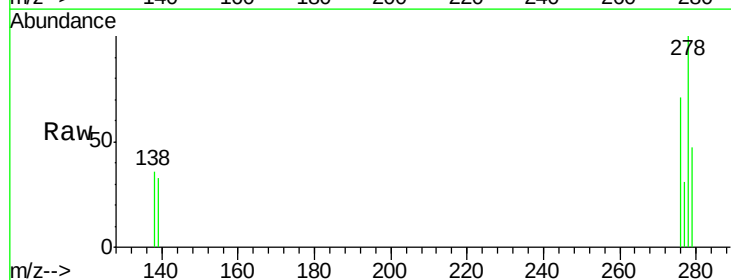
Tgt Ion: 278 Resp: 1441

Ion Ratio Lower Upper

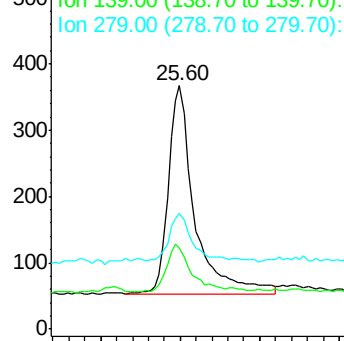
278 100

139 33.2 17.8 26.8#

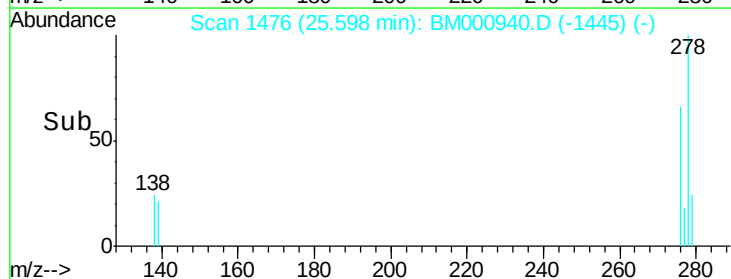
279 47.4 19.0 28.6#

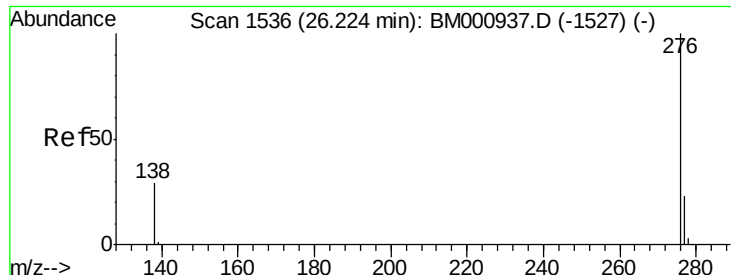


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



Time-->





#43

Benzo(g,h,i)perylene

Concen: 0.04 ng

RT: 26.23 min Scan# 1537

Delta R.T. 0.01 min

Lab File: BM000940.D

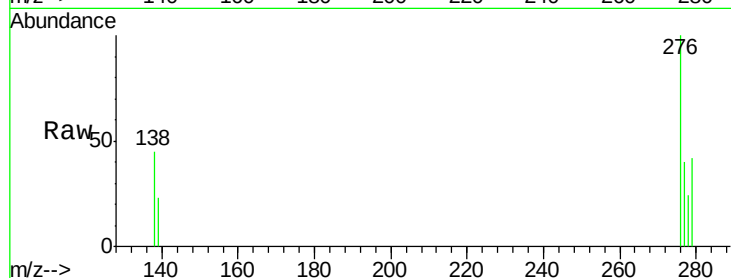
Acq: 10 Apr 2015 15:38

Instrument :

BNA_M

ClientSampleId :

PB82531BL



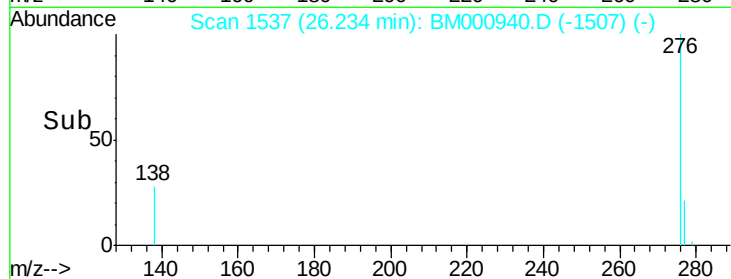
Tgt Ion: 276 Resp: 814

Ion Ratio Lower Upper

276 100

277 40.3 19.4 29.0#

138 44.7 21.7 32.5#



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

