

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040715\
 Data File : BM000892.D
 Acq On : 07 Apr 2015 23:35
 Operator : TP/IZ
 Sample : PB82421BS
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB82421BS

Quant Time: Apr 08 02:13:30 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIM-BM040715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 07 15:59:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	27397	5.00	ng	-0.04
11) Naphthalene-d8	10.39	136	149870	5.00	ng	0.00
19) Acenaphthene-d10	14.26	164	85243	5.00	ng	0.00
26) Phenanthrene-d10	17.00	188	215337	5.00	ng	0.00
30) Chrysene-d12	21.19	240	161962	5.00	ng	0.00
34) Perylene-d12	23.39	264	147501	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	86309	9.39	ng	0.00
5) Phenol-d6	6.77	99	166612	8.88	ng	0.00
12) Nitrobenzene-d5	8.73	82	57091	7.64	ng	-0.04
20) 2,4,6-Tribromophenol	15.77	330	36394	10.18	ng	0.02
23) 2-Fluorobiphenyl	12.87	172	205320	7.81	ng	0.00
32) Terphenyl-d14	19.65	244	181628	9.09	ng	0.00

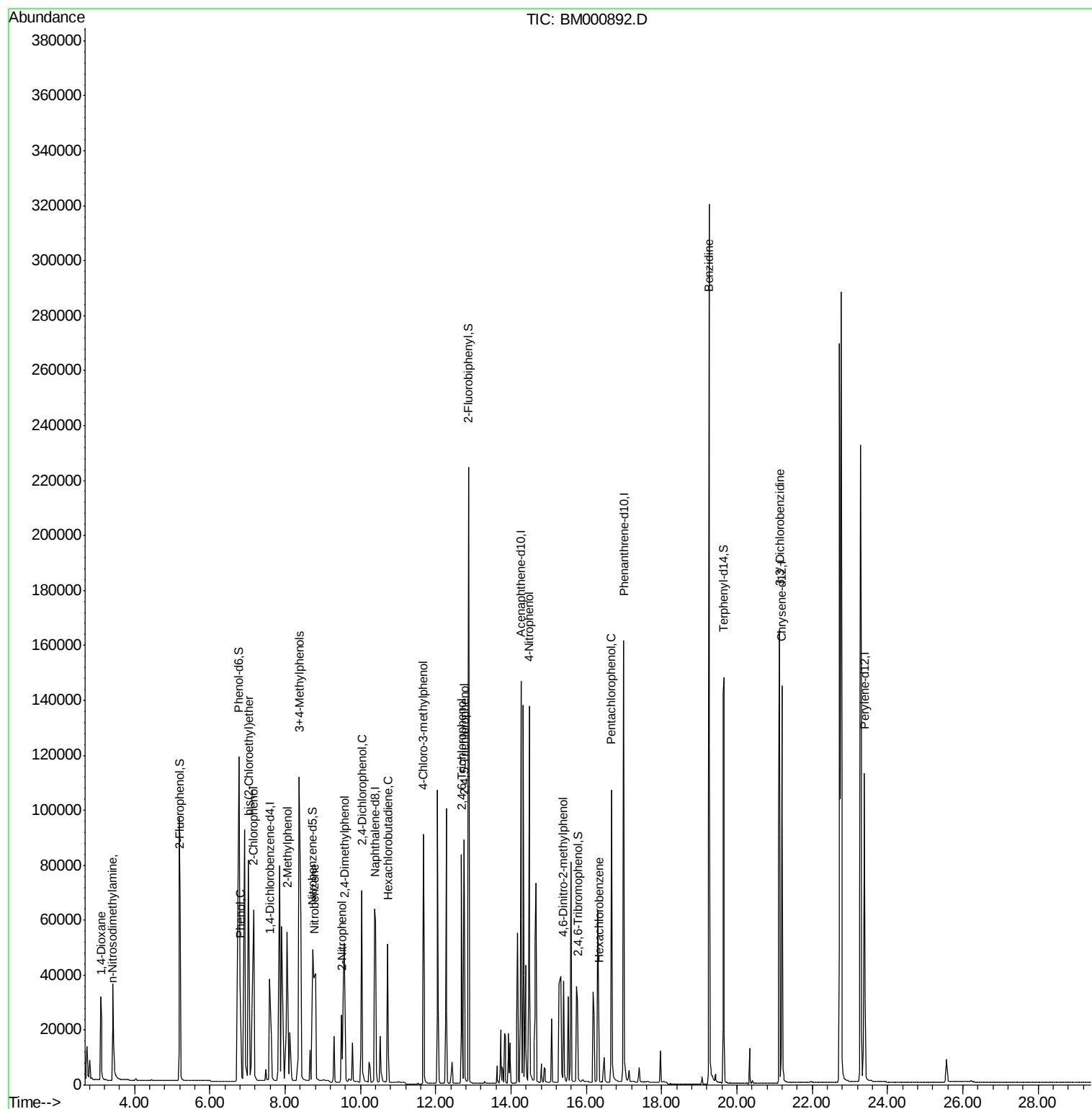
Target Compounds						Qvalue
2) 1,4-Dioxane	3.12	88	22319	5.62	ng	# 80
3) n-Nitrosodimethylamine	3.41	42	31021	5.94	ng	# 14
6) 2-Chlorophenol	7.17	128	87305	6.14	ng	88
7) Phenol	6.81	94	68122	5.95	ng	84
8) bis(2-Chloroethyl)ether	7.02	93	96699	6.59	ng	# 57
9) 2-Methylphenol	8.06	107	48801	5.81	ng	# 88
10) 3+4-Methylphenols	8.38	107	82318	5.76	ng	88
13) Nitrobenzene	8.77	77	51302	6.82	ng	# 17
14) 2-Nitrophenol	9.50	139	26498	5.56	ng	# 1
15) 2,4-Dimethylphenol	9.58	122	52443	6.10	ng	# 85
16) 2,4-Dichlorophenol	10.04	162	70351	6.29	ng	84
17) Hexachlorobutadiene	10.72	225	42397	6.21	ng	98
18) 4-Chloro-3-methylphenol	11.67	107	71913	6.88	ng	94
21) 2,4,6-Trichlorophenol	12.69	196	52853	7.63	ng	88
22) 2,4,5-Trichlorophenol	12.75	196	60538	7.40	ng	# 80
25) 4-Nitrophenol	14.48	139	69672	10.44	ng	94
27) 4,6-Dinitro-2-methylphenol	15.39	198	30121	6.76	ng	90
28) Hexachlorobenzene	16.33	284	66410	7.16	ng	# 48
29) Pentachlorophenol	16.67	266	81697	13.35	ng	88
31) Benzidine	19.26	184	347821	11.59	ng	# 89
33) 3,3'-Dichlorobenzidine	21.13	252	143411	5.80	ng	# 70

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.59 min Scan# 261

Delta R.T. -0.04 min

Lab File: BM000892.D

Acq: 07 Apr 2015 23:35

Instrument :

BNA_M

ClientSampleId :

PB82421BS

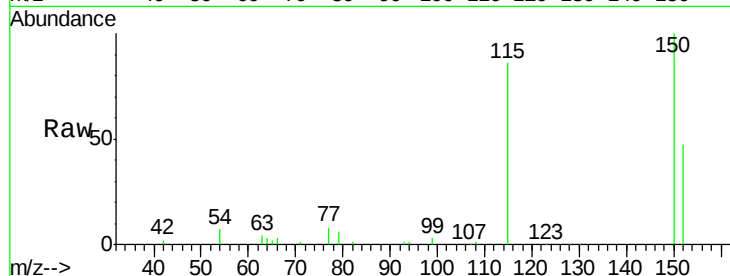
Tot Ion:152 Resp: 27397

Ion Ratio Lower Upper

152 100

150 210.6 96.5 144.7#

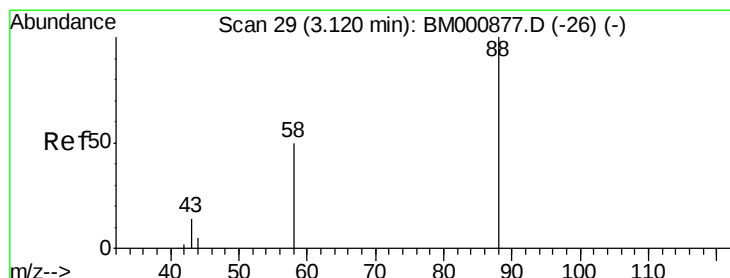
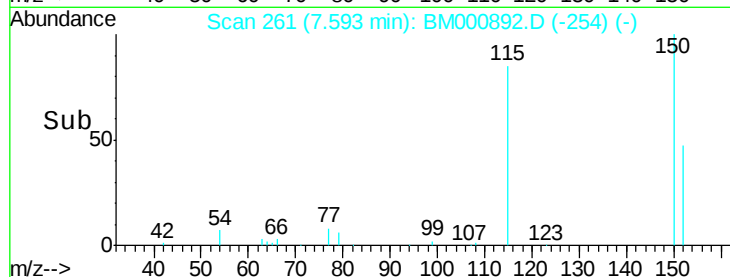
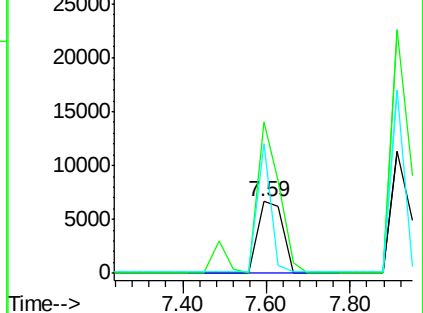
115 180.6 11.9 17.9#



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: 5.62 ng

RT: 3.12 min Scan# 29

Delta R.T. 0.00 min

Lab File: BM000892.D

Acq: 07 Apr 2015 23:35

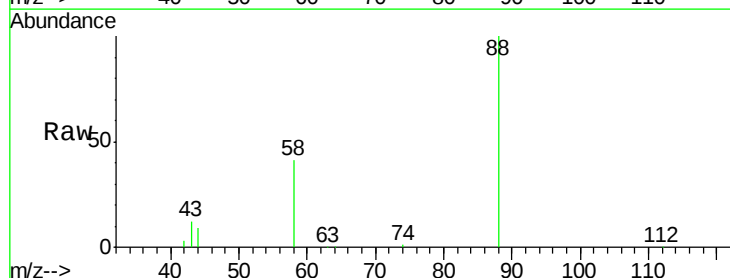
Tgt Ion: 88 Resp: 22319

Ion Ratio Lower Upper

88 100

58 91.5 56.7 85.1#

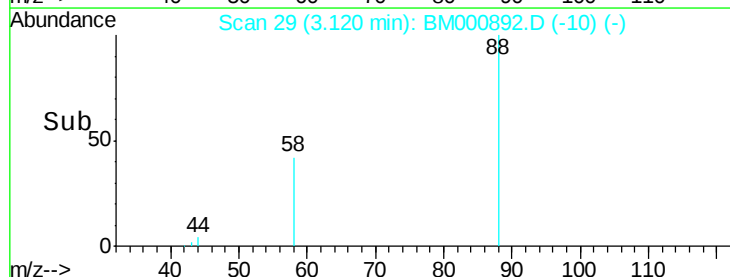
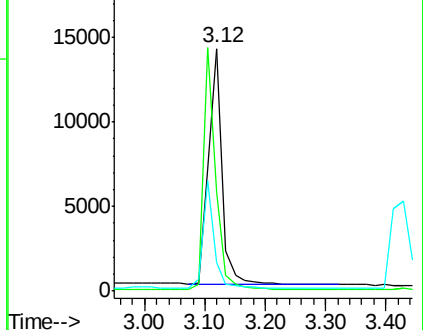
43 36.9 25.0 37.6

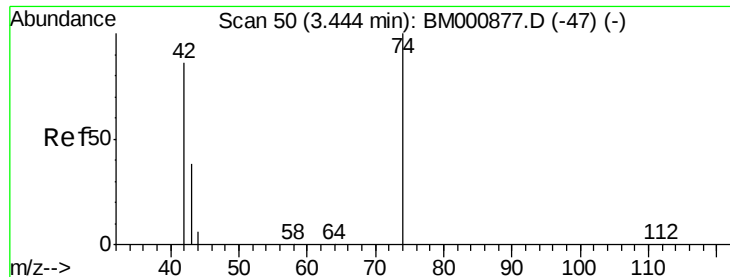


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0



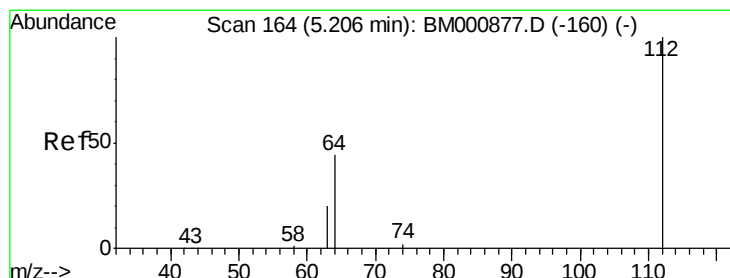
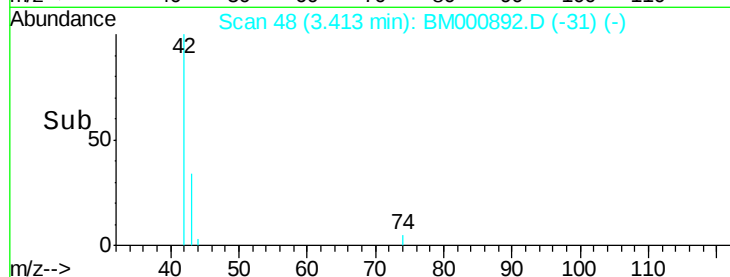
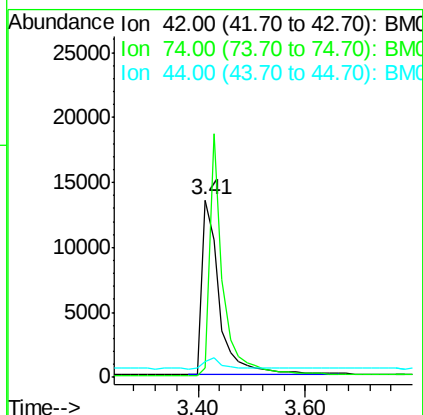
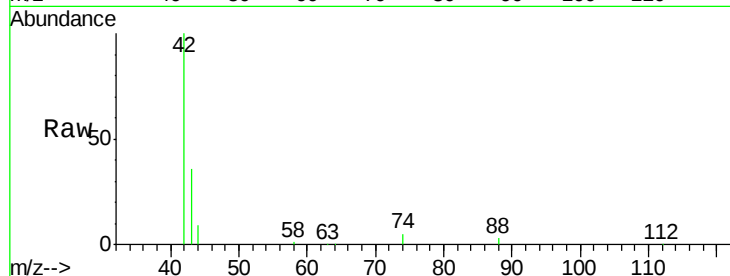


#3

n-Nitrosodimethylamine
 Concen: 5.94 ng
 RT: 3.41 min Scan# 48
 Delta R.T. -0.03 min
 Lab File: BM000892.D
 Acq: 07 Apr 2015 23:35

Instrument :
 BNA_M
 ClientSampleId :
 PB82421BS

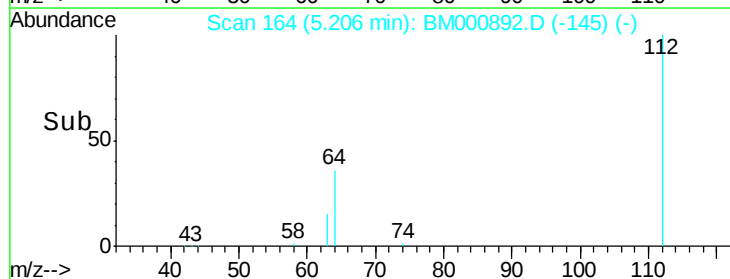
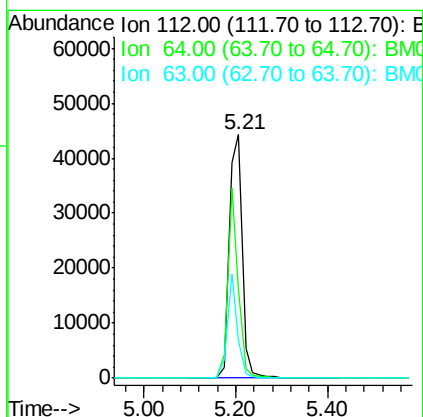
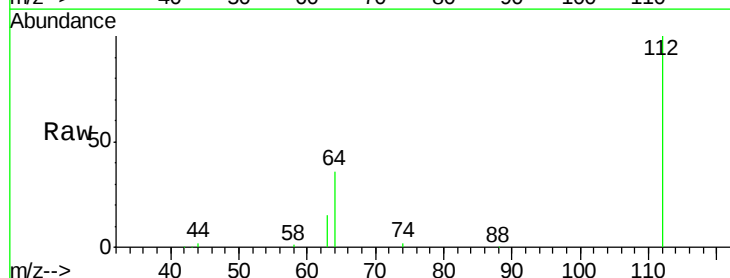
Tot Ion: 42 Resp: 31021
 Ion Ratio Lower Upper
 42 100
 74 5.4 81.0 121.4#
 44 8.6 53.3 79.9#

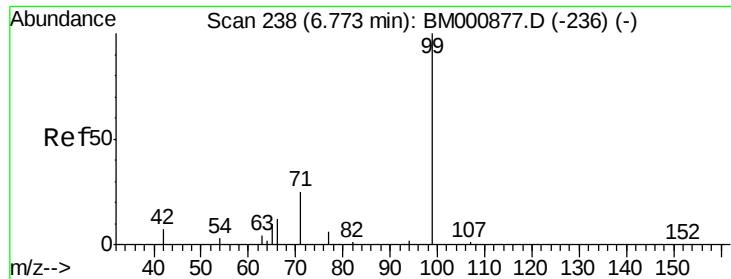


#4

2-Fluorophenol
 Concen: 9.39 ng
 RT: 5.21 min Scan# 164
 Delta R.T. -0.00 min
 Lab File: BM000892.D
 Acq: 07 Apr 2015 23:35

Tgt Ion: 112 Resp: 86309
 Ion Ratio Lower Upper
 112 100
 64 36.2 35.7 53.5
 63 15.3 17.0 25.4#





#5

Phenol-d6

Concen: 8.88 ng

RT: 6.77 min Scan# 238

Delta R.T. 0.00 min

Lab File: BM000892.D

Acq: 07 Apr 2015 23:35

Instrument :

BNA_M

ClientSampleId :

PB82421BS

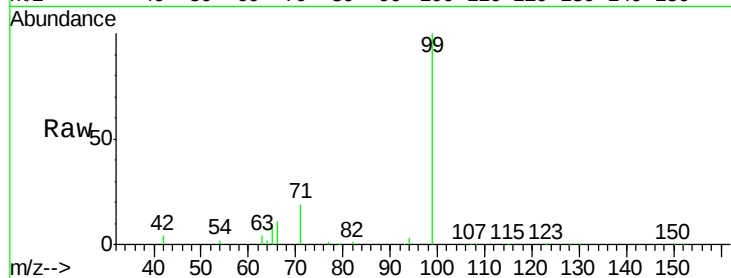
Tot Ion: 99 Resp: 166612

Ion Ratio Lower Upper

99 100

42 3.6 7.5 11.3#

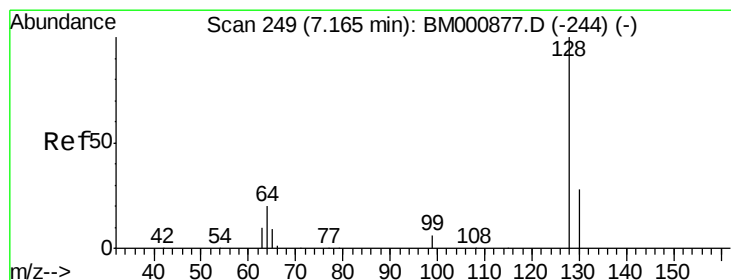
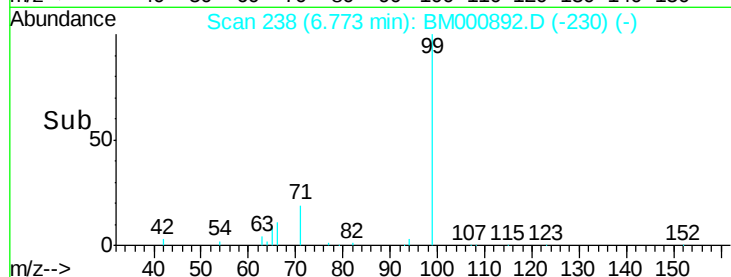
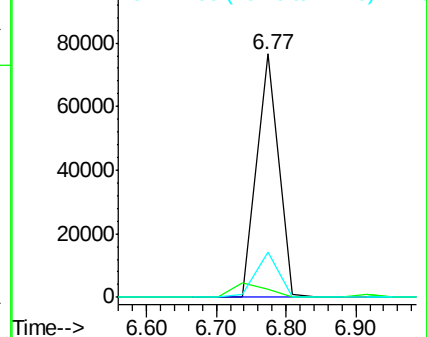
71 18.6 21.3 31.9#



Abundance Ion 99.00 (98.70 to 99.70): BM000877.D (-236) (-)

Ion 42.00 (41.70 to 42.70): BM000877.D (-236) (-)

Ion 71.00 (70.70 to 71.70): BM000877.D (-236) (-)



#6

2-Chlorophenol

Concen: 6.14 ng

RT: 7.17 min Scan# 249

Delta R.T. 0.00 min

Lab File: BM000892.D

Acq: 07 Apr 2015 23:35

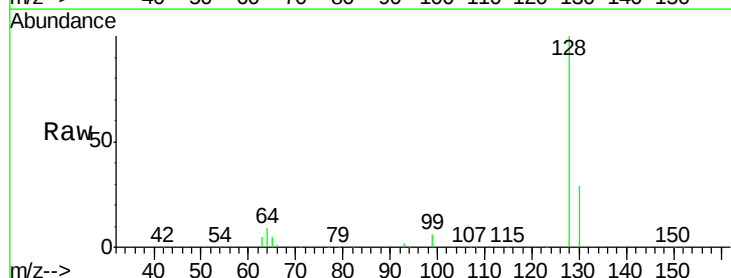
Tgt Ion: 128 Resp: 87305

Ion Ratio Lower Upper

128 100

130 29.1 9.4 49.4

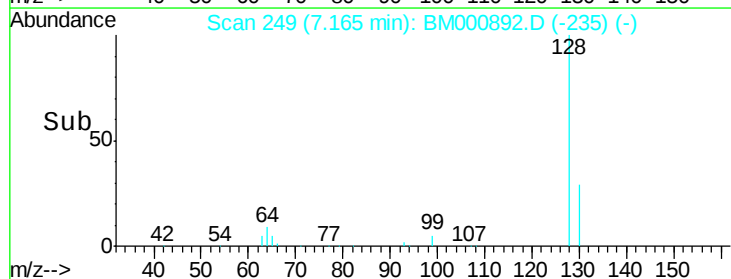
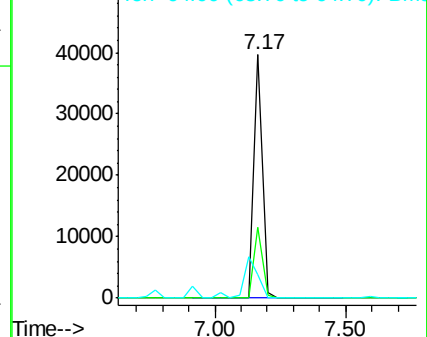
64 9.4 2.1 42.1

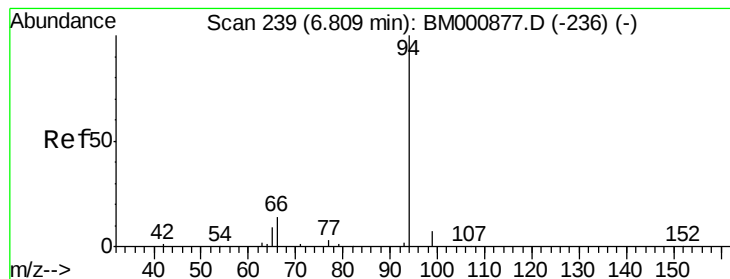


Abundance Ion 128.00 (127.70 to 128.70): BM000877.D (-244) (-)

Ion 130.00 (129.70 to 130.70): BM000877.D (-244) (-)

Ion 64.00 (63.70 to 64.70): BM000877.D (-244) (-)





#7

Phenol

Concen: 5.95 ng

RT: 6.81 min Scan# 239

Delta R.T. -0.00 min

Lab File: BM000892.D

Acq: 07 Apr 2015 23:35

Instrument :

BNA_M

ClientSampleId :

PB82421BS

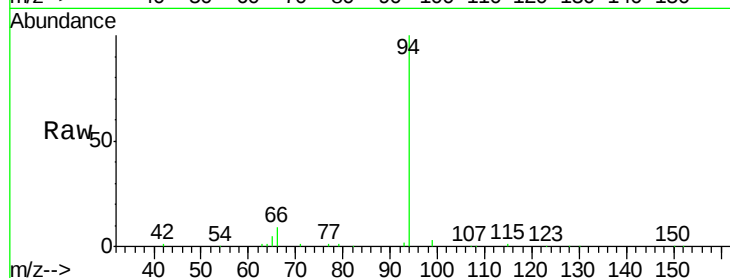
Tot Ion: 94 Resp: 68122

Ion Ratio Lower Upper

94 100

65 5.0 0.0 30.9

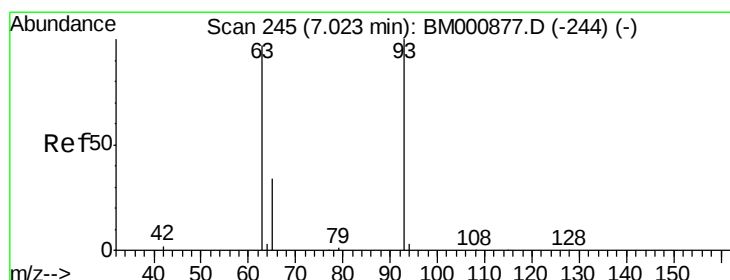
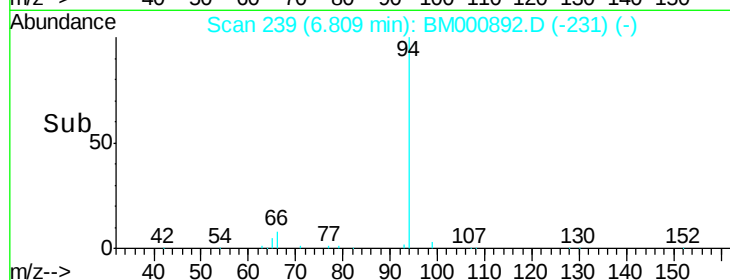
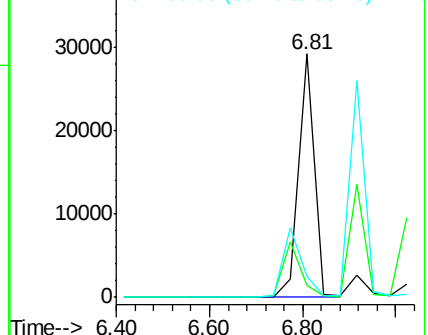
66 8.7 0.0 35.8



Abundance Ion 94.00 (93.70 to 94.70): BM000892.D (-231) (-)

Ion 65.00 (64.70 to 65.70): BM000892.D (-231) (-)

Ion 66.00 (65.70 to 66.70): BM000892.D (-231) (-)



#8

bis(2-Chloroethyl)ether

Concen: 6.59 ng

RT: 7.02 min Scan# 245

Delta R.T. 0.00 min

Lab File: BM000892.D

Acq: 07 Apr 2015 23:35

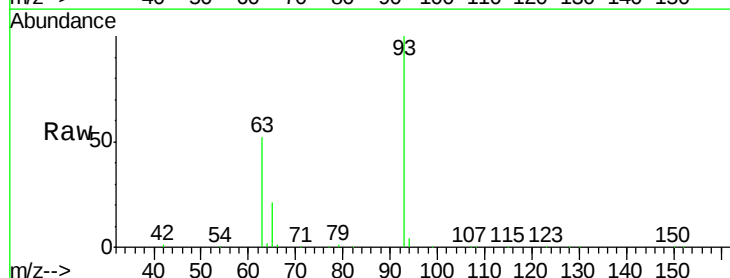
Tgt Ion: 93 Resp: 96699

Ion Ratio Lower Upper

93 100

63 51.8 73.3 113.3#

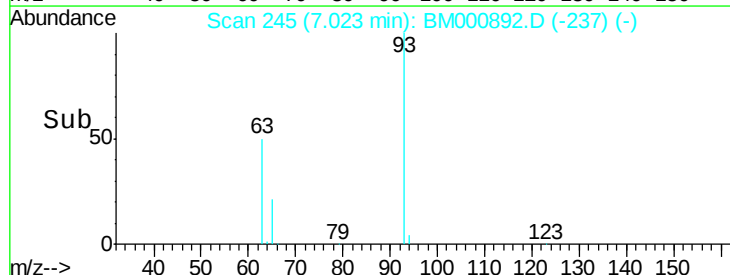
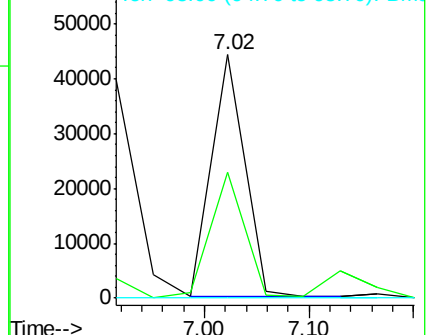
95 0.0 0.0 20.0

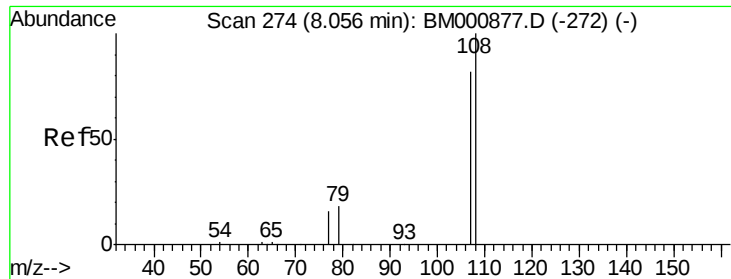


Abundance Ion 93.00 (92.70 to 93.70): BM000892.D (-237) (-)

Ion 63.00 (62.70 to 63.70): BM000892.D (-237) (-)

Ion 95.00 (94.70 to 95.70): BM000892.D (-237) (-)





#9

2-Methylphenol

Concen: 5.81 ng

RT: 8.06 min Scan# 274

Delta R.T. -0.00 min

Lab File: BM000892.D

Acq: 07 Apr 2015 23:35

Instrument :

BNA_M

ClientSampleId :

PB82421BS

Tot Ion:107 Resp: 48801

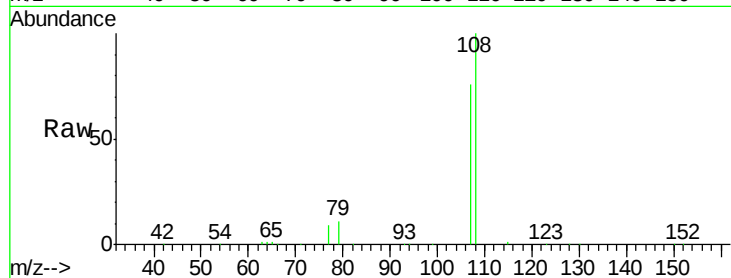
Ion Ratio Lower Upper

107 100

108 130.9 96.7 145.1

77 11.8 18.3 27.5#

79 14.8 19.9 29.9#

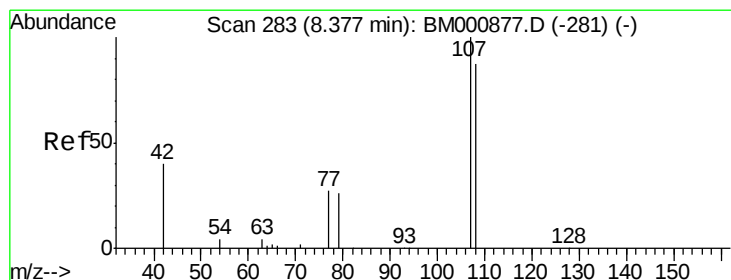
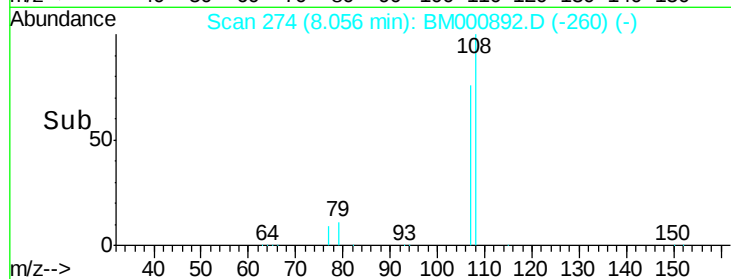
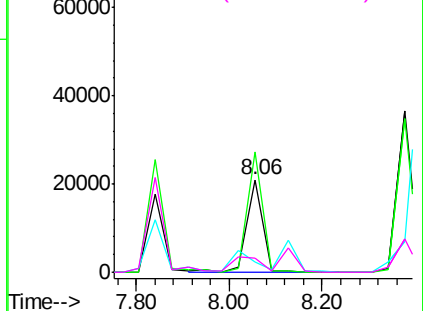


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BMC

Ion 79.00 (78.70 to 79.70): BMC



#10

3+4-Methylphenols

Concen: 5.76 ng

RT: 8.38 min Scan# 283

Delta R.T. 0.00 min

Lab File: BM000892.D

Acq: 07 Apr 2015 23:35

Tgt Ion:107 Resp: 82318

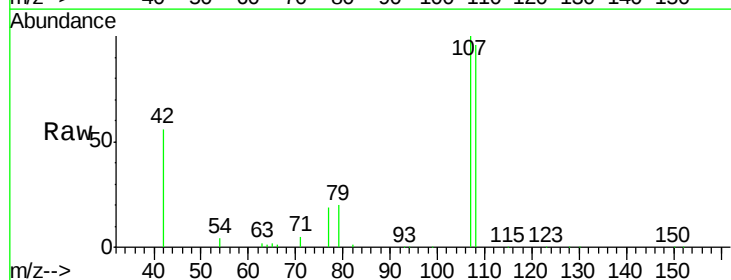
Ion Ratio Lower Upper

107 100

108 95.6 67.6 107.6

77 19.1 10.0 50.0

79 20.4 8.4 48.4

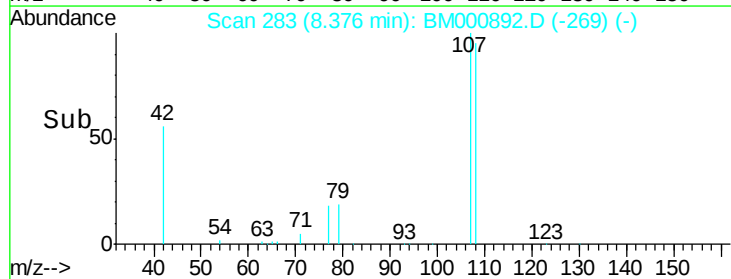
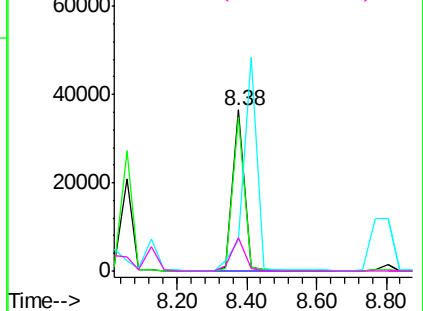


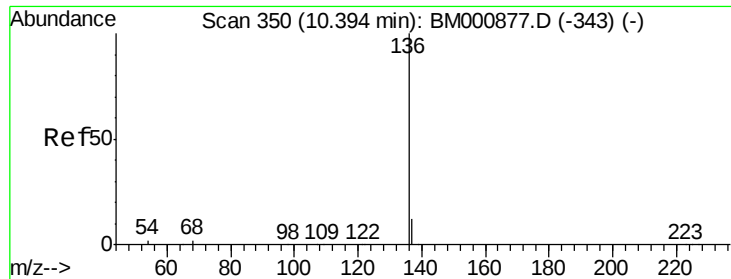
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BMC

Ion 79.00 (78.70 to 79.70): BMC

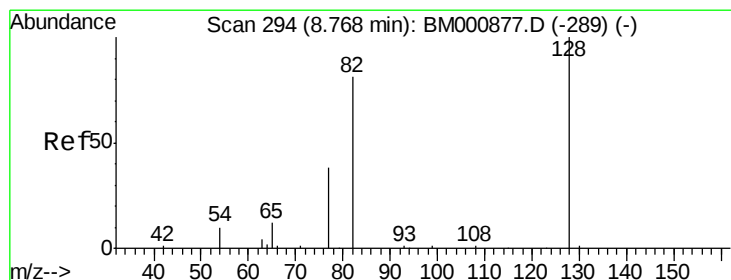
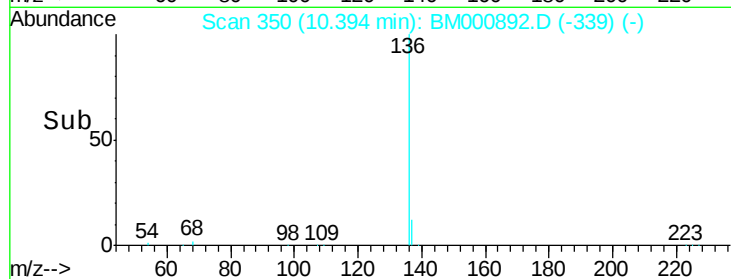
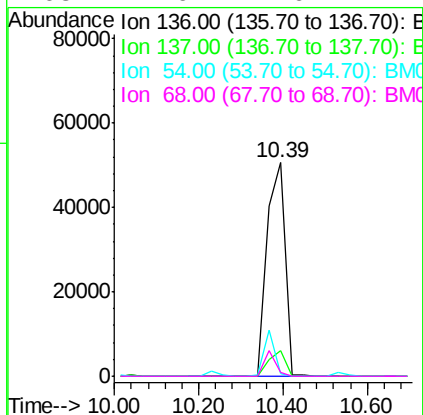
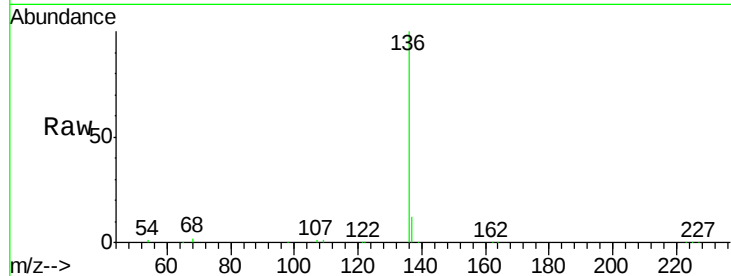




#11
Naphthalene-d8
Concen: 5.00 ng
RT: 10.39 min Scan# 350
Delta R.T. -0.00 min
Lab File: BM000892.D
Acq: 07 Apr 2015 23:35

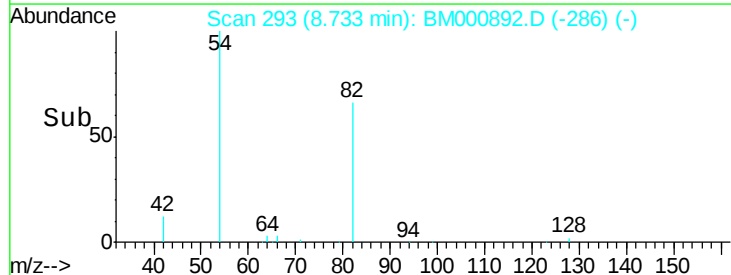
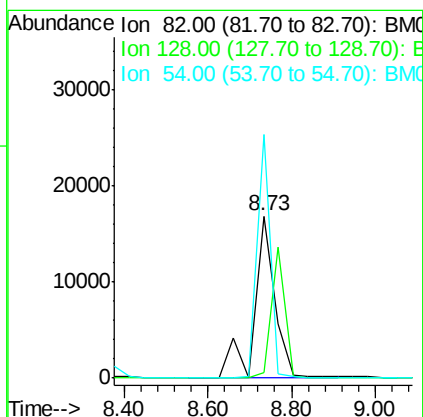
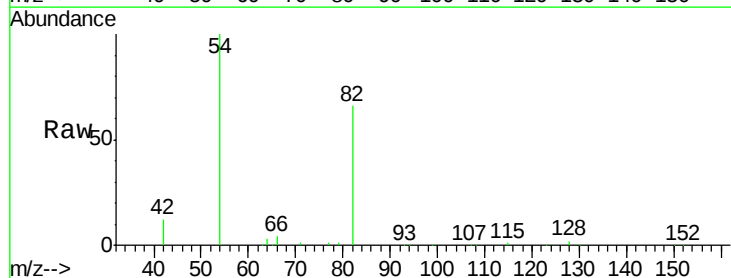
Instrument :
BNA_M
ClientSampleId :
PB82421BS

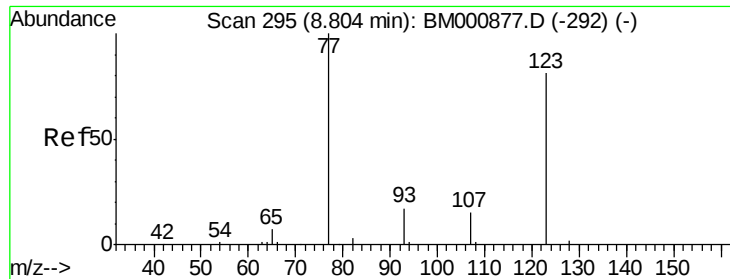
Tot Ion:136	Resp:	149870
Ion	Ratio	Lower Upper
136	100	
137	12.2	9.6 14.4
54	1.4	1.5 2.3#
68	1.6	1.6 2.4



#12
Nitrobenzene-d5
Concen: 7.64 ng
RT: 8.73 min Scan# 293
Delta R.T. -0.04 min
Lab File: BM000892.D
Acq: 07 Apr 2015 23:35

Tgt Ion: 82	Resp:	57091
Ion	Ratio	Lower Upper
82	100	
128	3.4	96.2 144.2#
54	150.4	15.0 22.6#

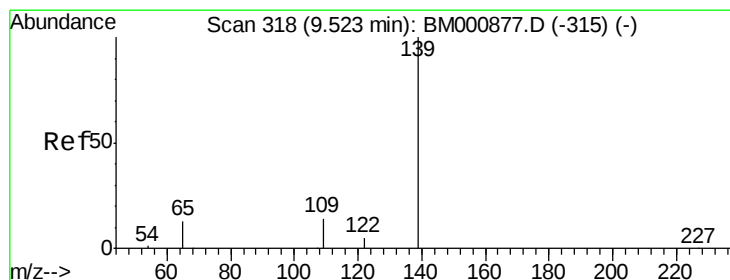
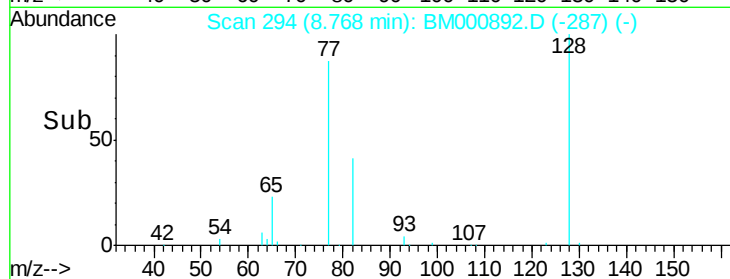
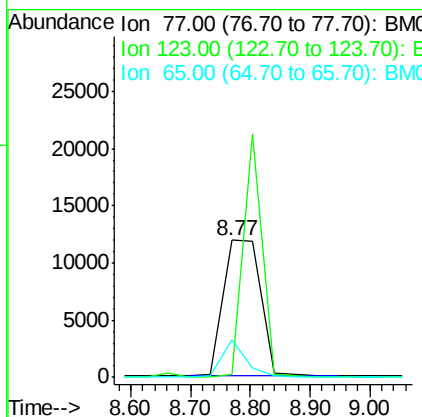
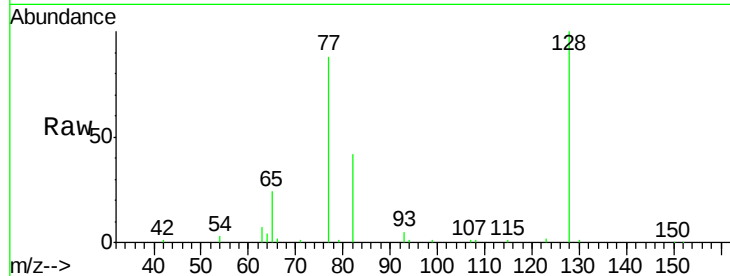




#13
 Nitrobenzene
 Concen: 6.82 ng
 RT: 8.77 min Scan# 294
 Delta R.T. -0.04 min
 Lab File: BM000892.D
 Acq: 07 Apr 2015 23:35

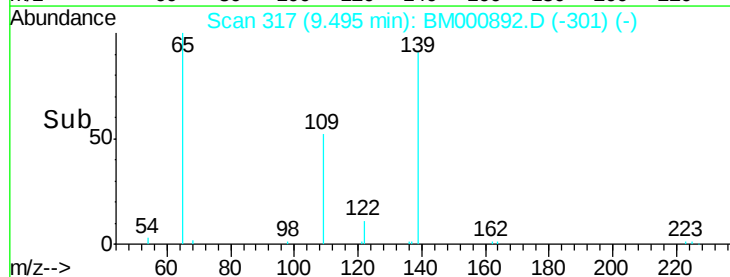
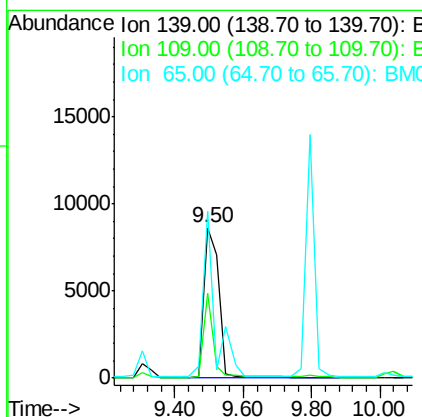
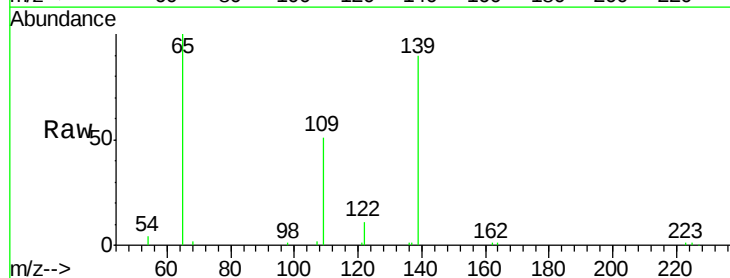
Instrument :
 BNA_M
 ClientSampled :
 PB82421BS

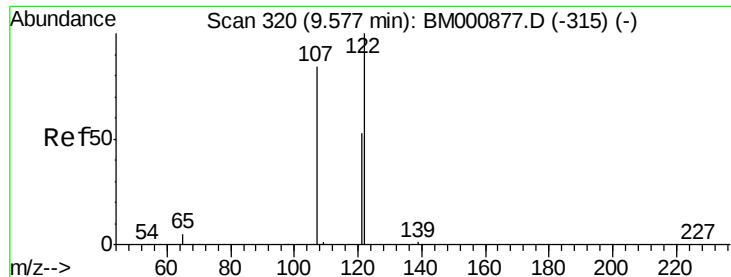
Tot Ion: 77 Resp: 51302
 Ion Ratio Lower Upper
 77 100
 123 1.8 64.0 96.0#
 65 26.9 8.7 13.1#



#14
 2-Nitrophenol
 Concen: 5.56 ng
 RT: 9.50 min Scan# 317
 Delta R.T. -0.03 min
 Lab File: BM000892.D
 Acq: 07 Apr 2015 23:35

Tgt Ion: 139 Resp: 26498
 Ion Ratio Lower Upper
 139 100
 109 56.5 15.8 23.8#
 65 110.7 16.2 24.2#





#15

2,4-Dimethylphenol

Concen: 6.10 ng

RT: 9.58 min Scan# 320

Delta R.T. -0.00 min

Lab File: BM000892.D

Acq: 07 Apr 2015 23:35

Instrument :

BNA_M

ClientSampleId :

PB82421BS

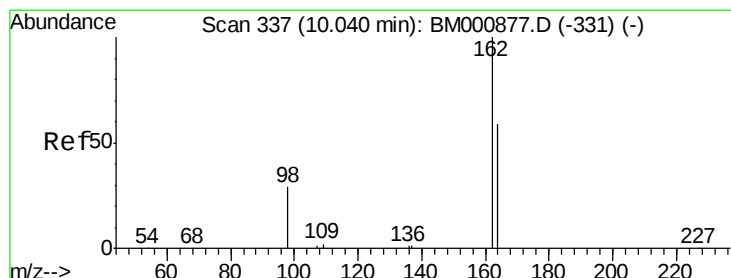
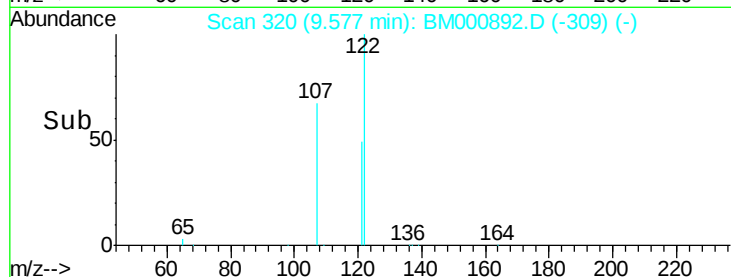
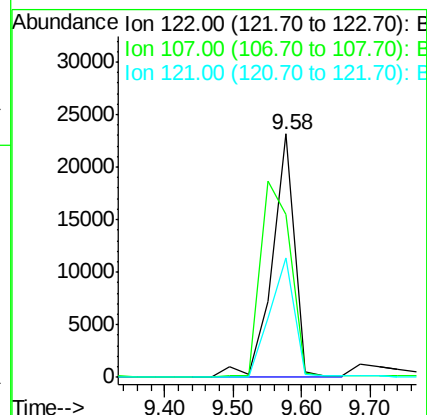
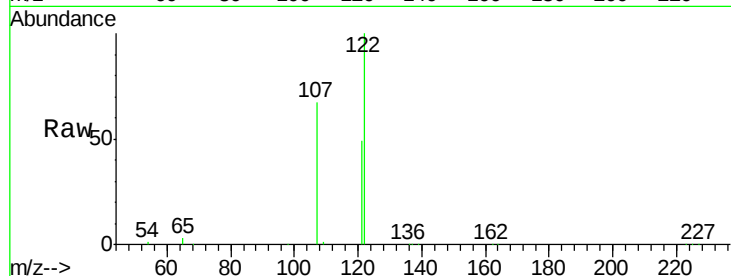
Tot Ion:122 Resp: 52443

Ion Ratio Lower Upper

122 100

107 66.7 67.4 101.2#

121 49.3 43.5 65.3



#16

2,4-Dichlorophenol

Concen: 6.29 ng

RT: 10.04 min Scan# 337

Delta R.T. 0.00 min

Lab File: BM000892.D

Acq: 07 Apr 2015 23:35

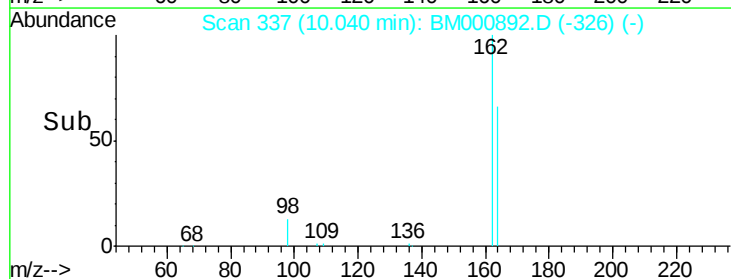
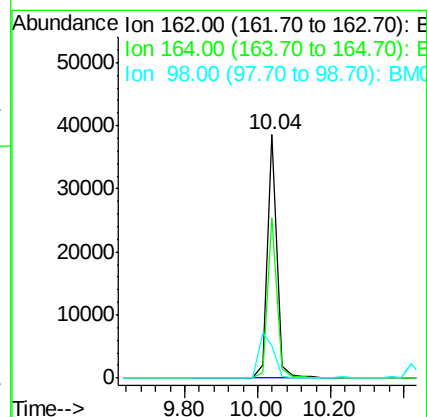
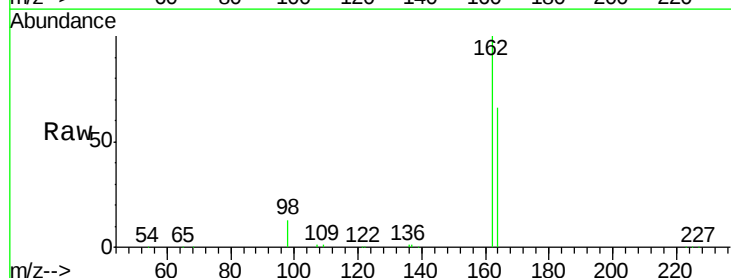
Tgt Ion:162 Resp: 70351

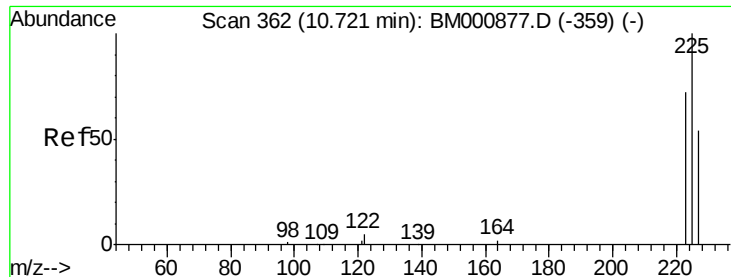
Ion Ratio Lower Upper

162 100

164 65.6 39.9 79.9

98 13.1 11.3 51.3

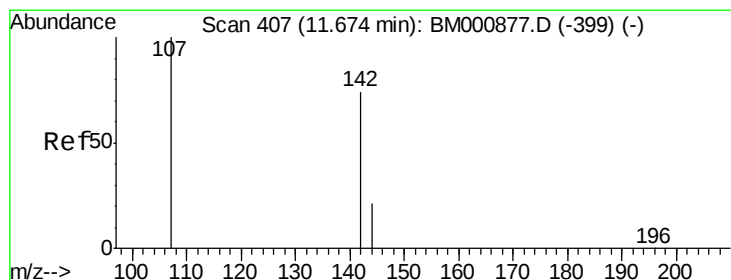
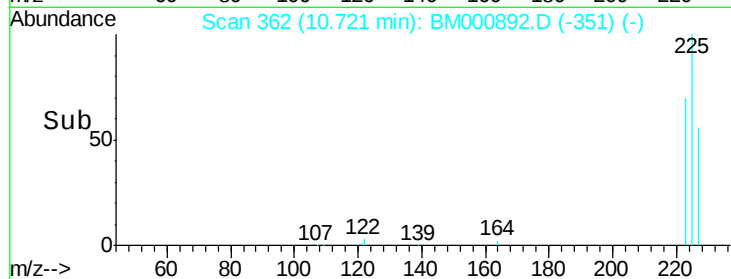
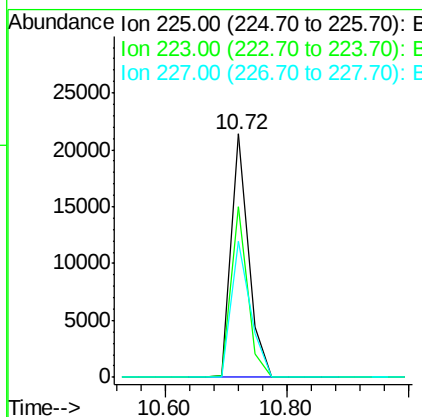
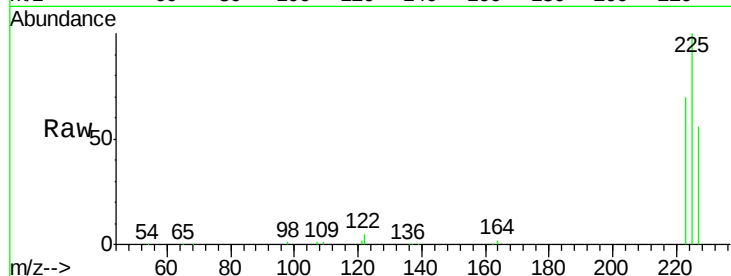




#17
Hexachlorobutadiene
Concen: 6.21 ng
RT: 10.72 min Scan# 362
Delta R.T. -0.00 min
Lab File: BM000892.D
Acq: 07 Apr 2015 23:35

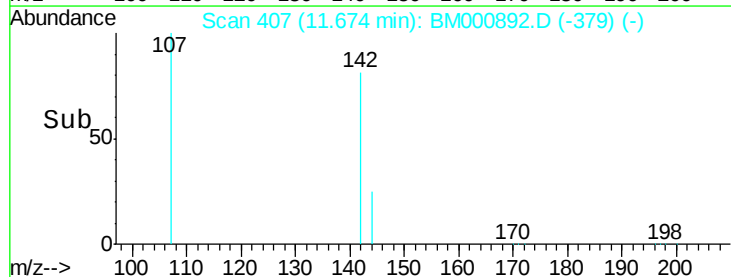
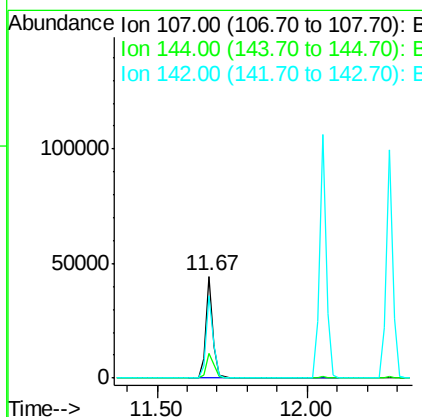
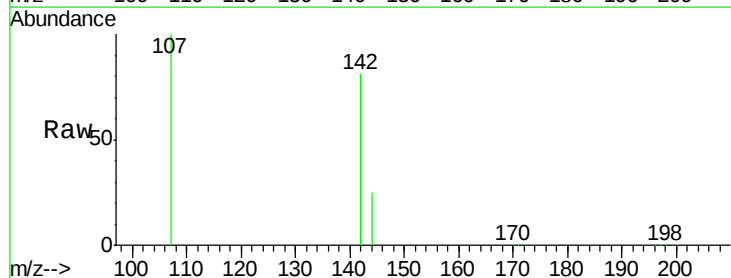
Instrument :
BNA_M
ClientSampleId :
PB82421BS

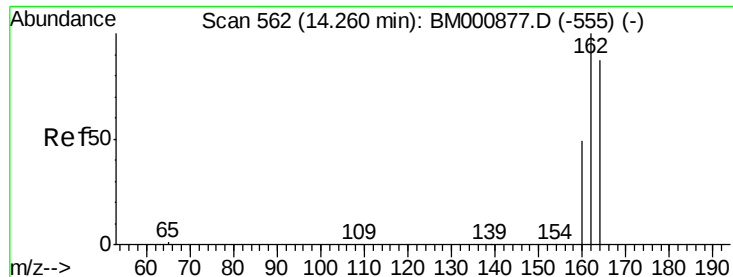
Tot Ion:225 Resp: 42397
Ion Ratio Lower Upper
225 100
223 70.2 58.3 87.5
227 56.0 44.5 66.7



#18
4-Chloro-3-methylphenol
Concen: 6.88 ng
RT: 11.67 min Scan# 407
Delta R.T. -0.00 min
Lab File: BM000892.D
Acq: 07 Apr 2015 23:35

Tgt Ion:107 Resp: 71913
Ion Ratio Lower Upper
107 100
144 24.5 18.4 27.6
142 80.6 59.9 89.9

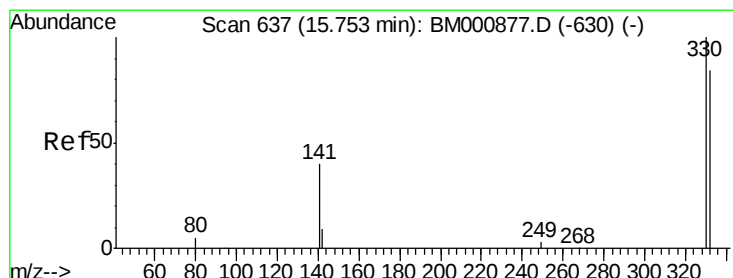
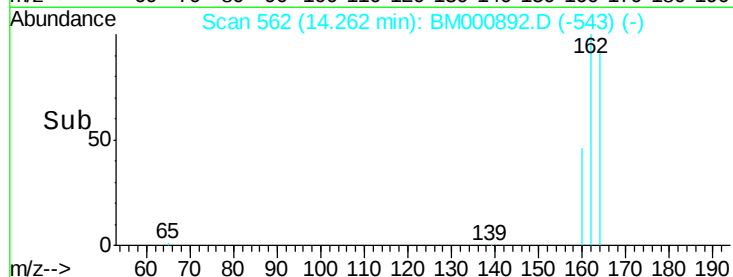
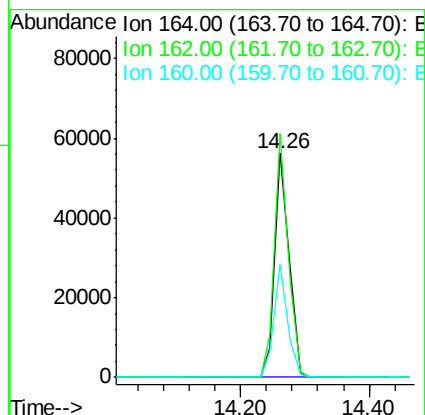
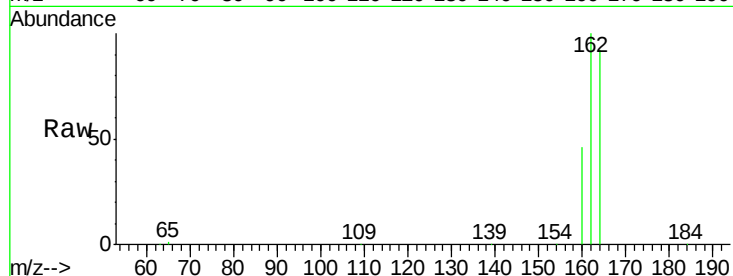




#19
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.26 min Scan# 562
Delta R.T. 0.00 min
Lab File: BM000892.D
Acq: 07 Apr 2015 23:35

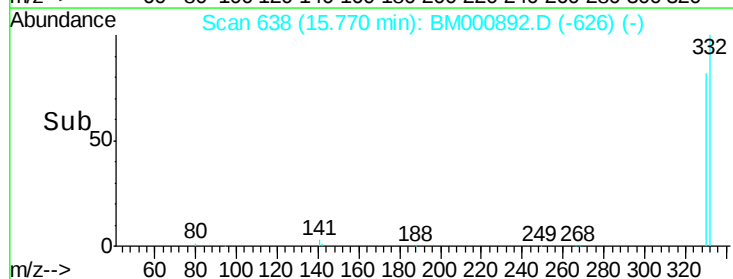
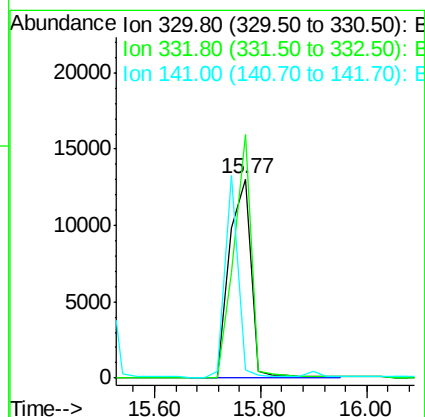
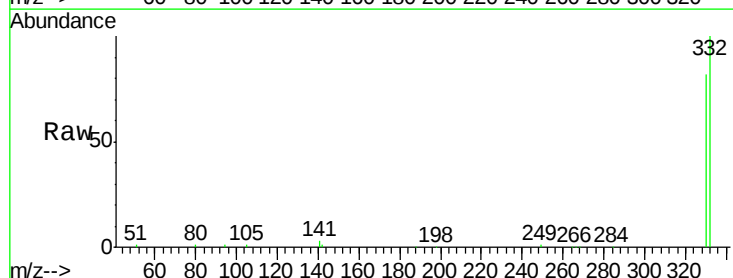
Instrument :
BNA_M
ClientSampleId :
PB82421BS

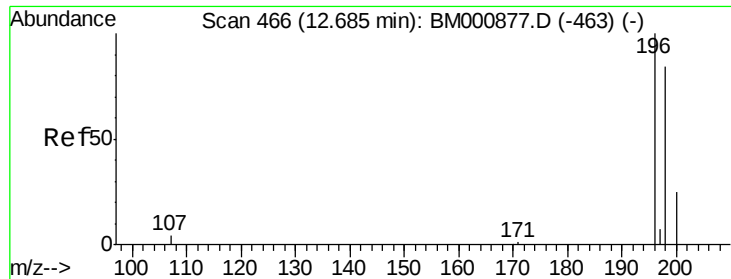
Tot Ion:164 Resp: 85243
Ion Ratio Lower Upper
164 100
162 108.7 91.8 137.6
160 50.2 44.6 67.0



#20
2,4,6-Tribromophenol
Concen: 10.18 ng
RT: 15.77 min Scan# 638
Delta R.T. 0.02 min
Lab File: BM000892.D
Acq: 07 Apr 2015 23:35

Tgt Ion:330 Resp: 36394
Ion Ratio Lower Upper
330 100
332 100.1 72.6 109.0
141 0.0 29.8 44.6#





#21

2,4,6-Trichlorophenol

Concen: 7.63 ng

RT: 12.69 min Scan# 466

Delta R.T. 0.00 min

Lab File: BM000892.D

Acq: 07 Apr 2015 23:35

Instrument :

BNA_M

ClientSampleId :

PB82421BS

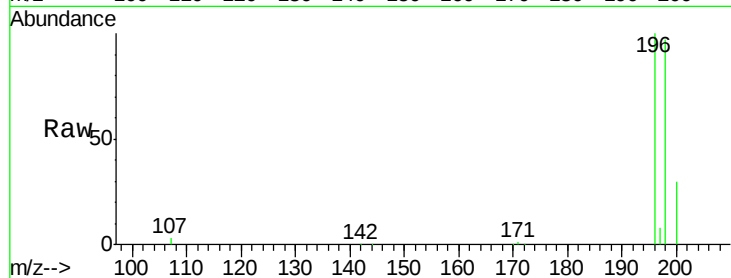
Tot Ion:196 Resp: 52853

Ion Ratio Lower Upper

196 100

198 97.2 67.5 101.3

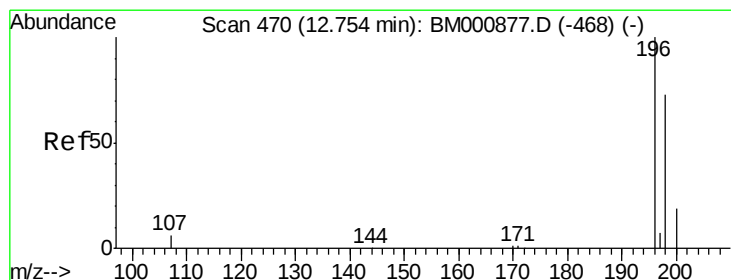
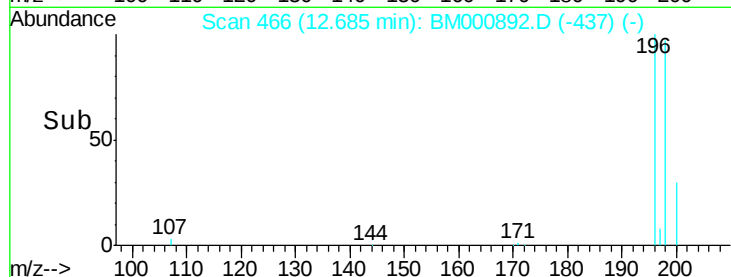
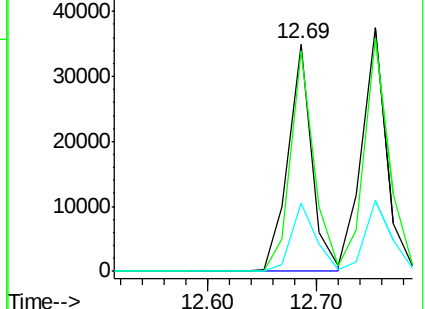
200 29.8 22.1 33.1



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#22

2,4,5-Trichlorophenol

Concen: 7.40 ng

RT: 12.75 min Scan# 470

Delta R.T. 0.00 min

Lab File: BM000892.D

Acq: 07 Apr 2015 23:35

Tgt Ion:196 Resp: 60538

Ion Ratio Lower Upper

196 100

198 95.8 62.7 94.1#

97 0.0 0.0 0.0

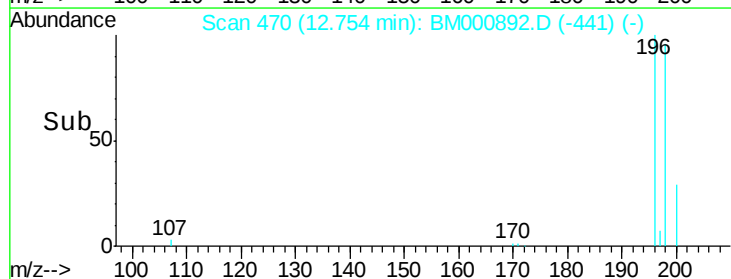
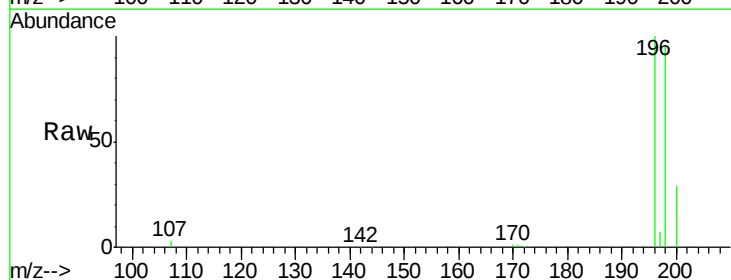
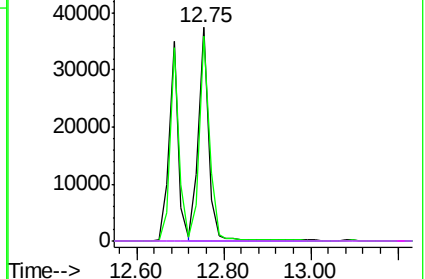
132 0.0 0.0 0.0

Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BM

Ion 132.00 (131.70 to 132.70): E

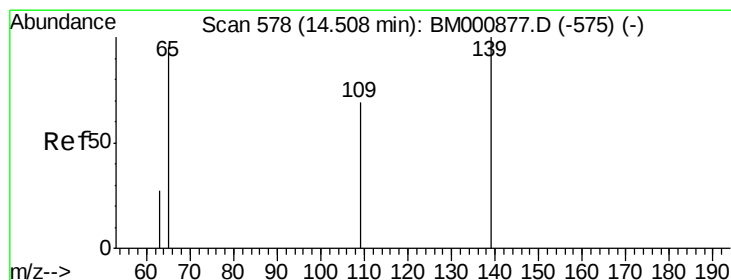
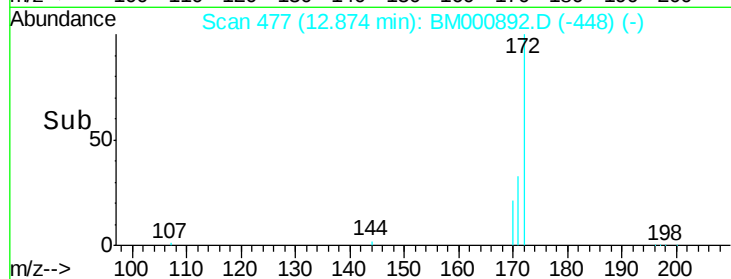
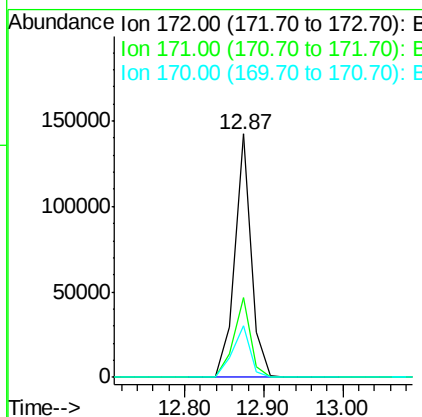
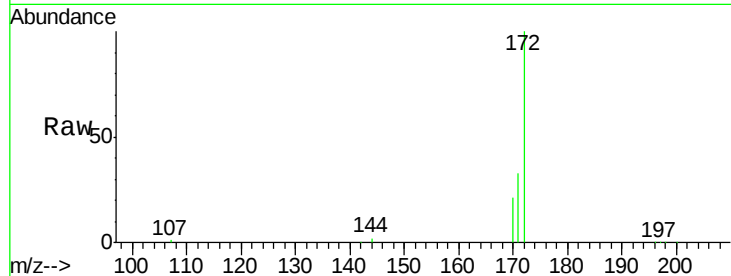




#23
2-Fluorobiphenyl
Concen: 7.81 ng
RT: 12.87 min Scan# 477
Delta R.T. -0.00 min
Lab File: BM000892.D
Acq: 07 Apr 2015 23:35

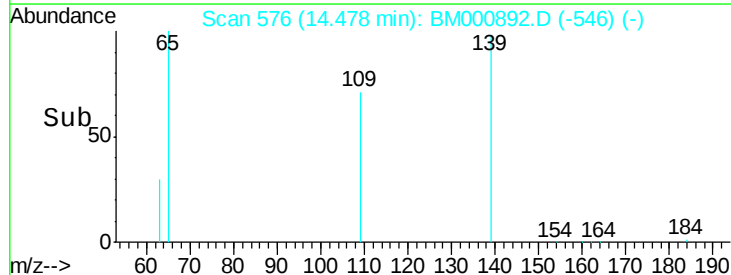
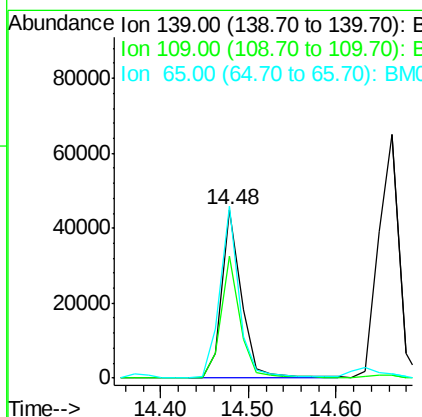
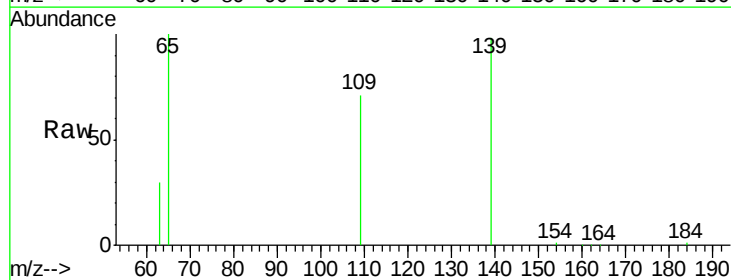
Instrument :
BNA_M
ClientSampleId :
PB82421BS

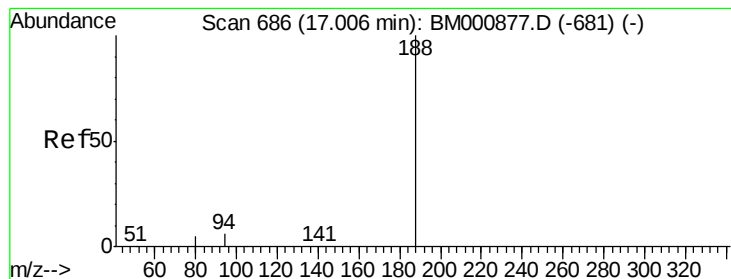
Tot Ion:172 Resp: 205320
Ion Ratio Lower Upper
172 100
171 33.0 27.8 41.8
170 21.2 19.0 28.6



#25
4-Nitrophenol
Concen: 10.44 ng
RT: 14.48 min Scan# 576
Delta R.T. -0.03 min
Lab File: BM000892.D
Acq: 07 Apr 2015 23:35

Tgt Ion:139 Resp: 69672
Ion Ratio Lower Upper
139 100
109 72.8 58.4 98.4
65 101.9 87.7 127.7





#26

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.00 min Scan# 686

Delta R.T. -0.01 min

Lab File: BM000892.D

Acq: 07 Apr 2015 23:35

Instrument :

BNA_M

ClientSampleId :

PB82421BS

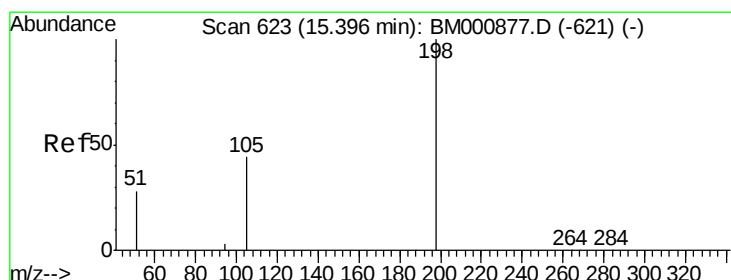
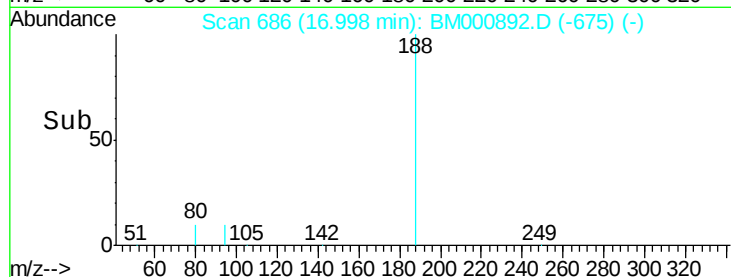
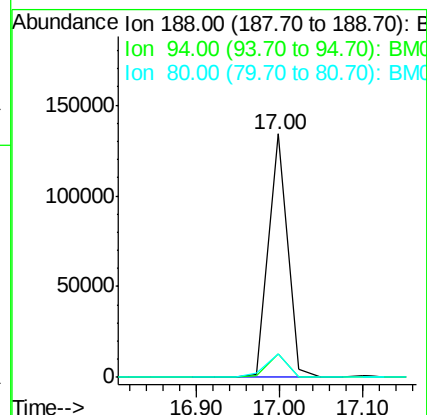
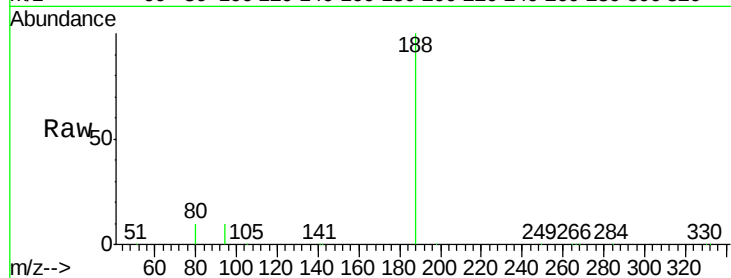
Tot Ion:188 Resp: 215337

Ion Ratio Lower Upper

188 100

94 9.7 4.9 7.3#

80 9.7 4.4 6.6#



#27

4,6-Dinitro-2-methylphenol

Concen: 6.76 ng

RT: 15.39 min Scan# 623

Delta R.T. -0.01 min

Lab File: BM000892.D

Acq: 07 Apr 2015 23:35

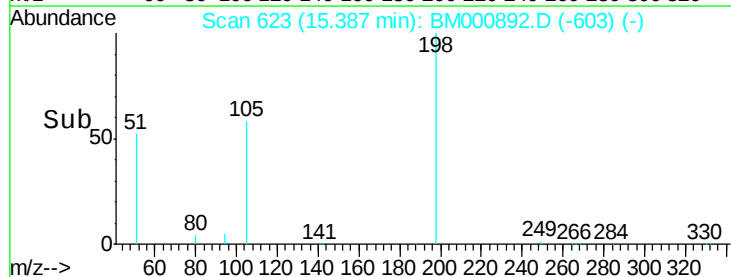
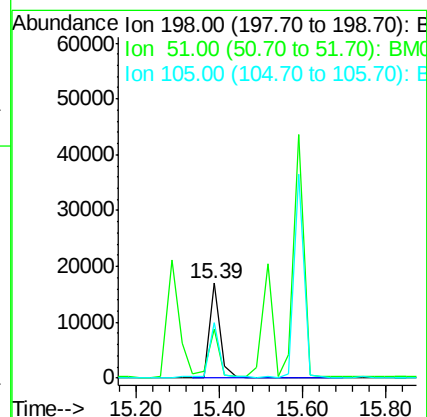
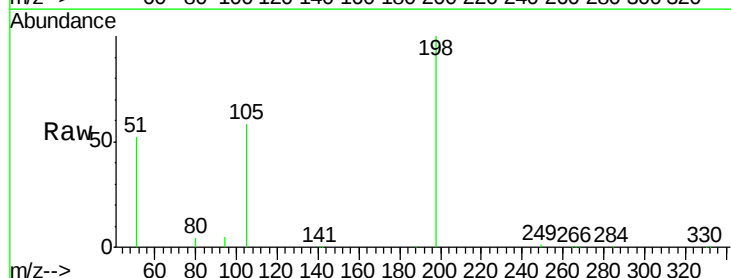
Tgt Ion:198 Resp: 30121

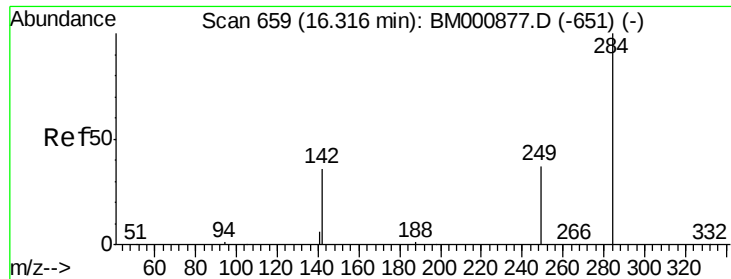
Ion Ratio Lower Upper

198 100

51 51.8 44.6 84.6

105 58.4 36.0 76.0

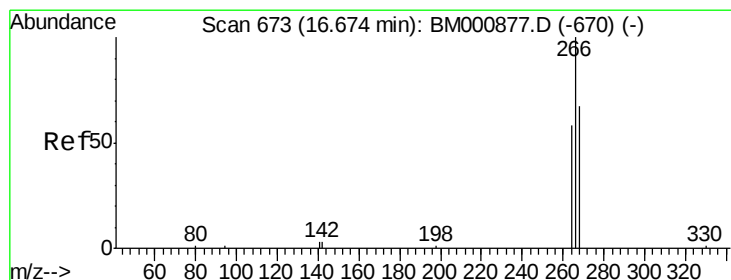
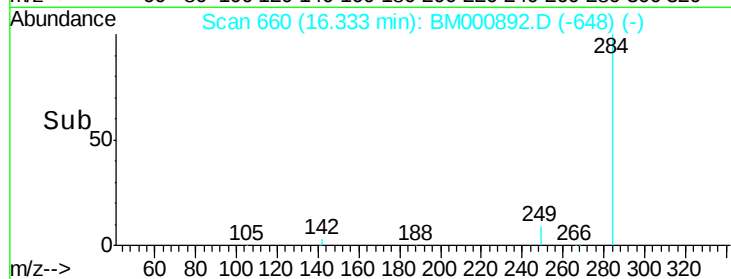
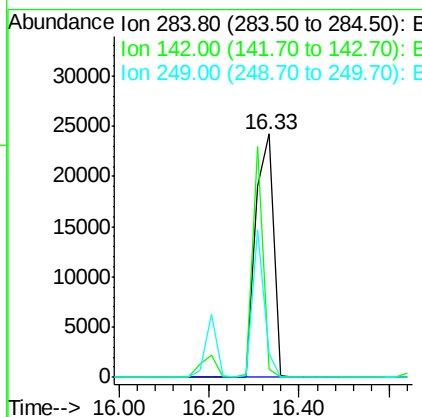
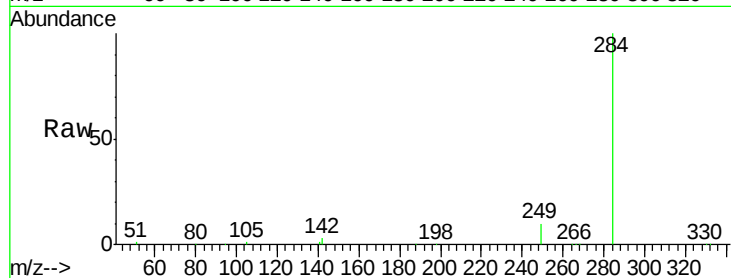




#28
Hexachlorobenzene
Concen: 7.16 ng
RT: 16.33 min Scan# 660
Delta R.T. 0.02 min
Lab File: BM000892.D
Acq: 07 Apr 2015 23:35

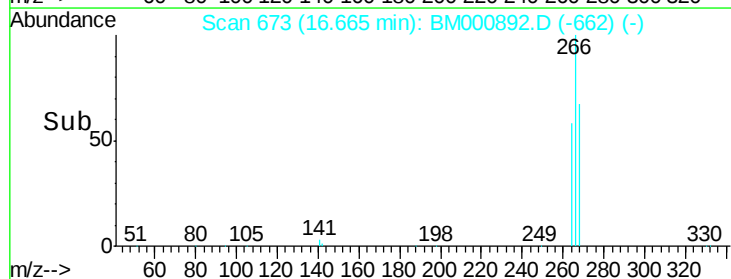
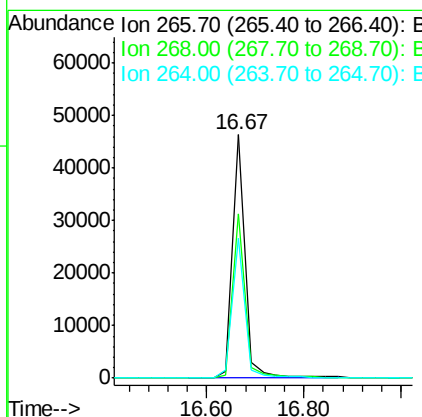
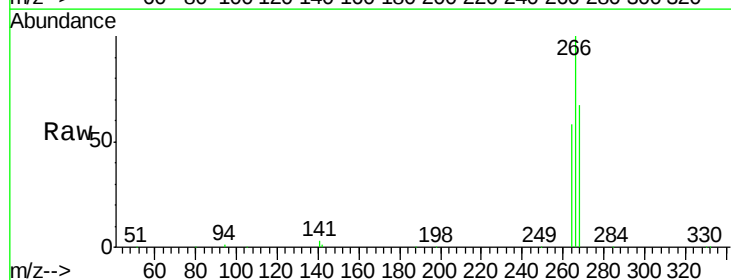
Instrument :
BNA_M
ClientSampleId :
PB82421BS

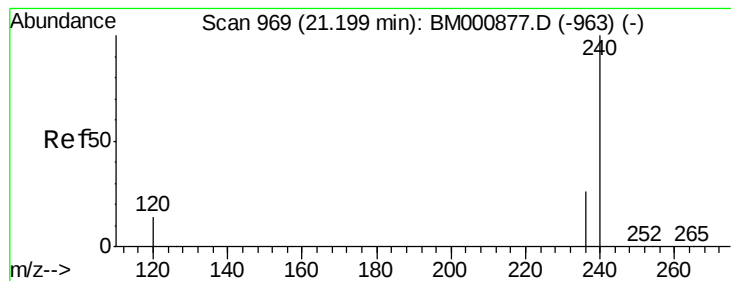
Tot Ion:284 Resp: 66410
Ion Ratio Lower Upper
284 100
142 3.4 29.8 44.8#
249 9.5 31.0 46.4#



#29
Pentachlorophenol
Concen: 13.35 ng
RT: 16.67 min Scan# 673
Delta R.T. -0.01 min
Lab File: BM000892.D
Acq: 07 Apr 2015 23:35

Tgt Ion:266 Resp: 81697
Ion Ratio Lower Upper
266 100
268 67.3 61.8 92.8
264 57.6 53.8 80.6





#30

Chrysene-d12

Concen: 5.00 ng

RT: 21.19 min Scan# 969

Delta R.T. -0.01 min

Lab File: BM000892.D

Acq: 07 Apr 2015 23:35

Instrument :

BNA_M

ClientSampleId :

PB82421BS

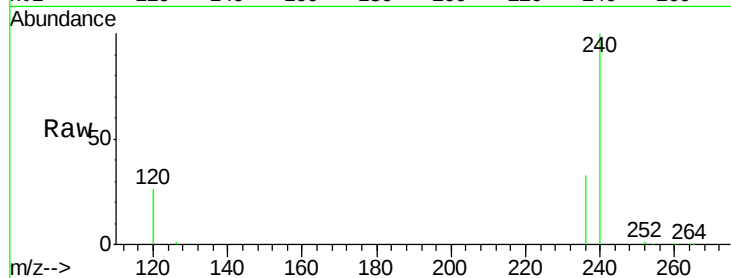
Tot Ion:240 Resp: 161962

Ion Ratio Lower Upper

240 100

120 25.9 11.1 16.7#

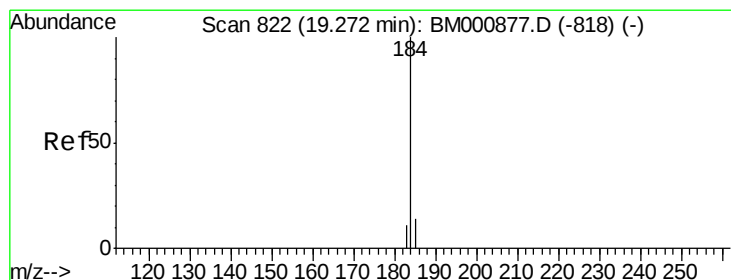
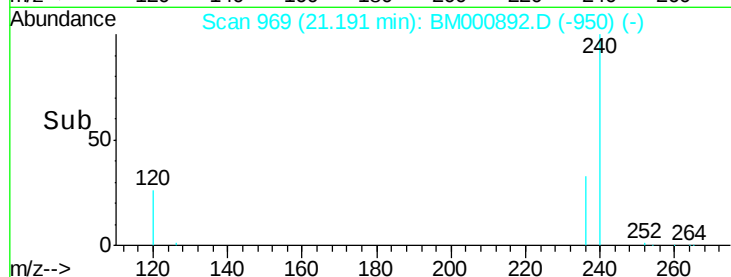
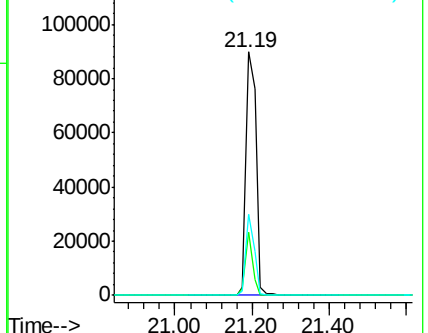
236 33.1 20.9 31.3#



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: 11.59 ng

RT: 19.26 min Scan# 822

Delta R.T. -0.01 min

Lab File: BM000892.D

Acq: 07 Apr 2015 23:35

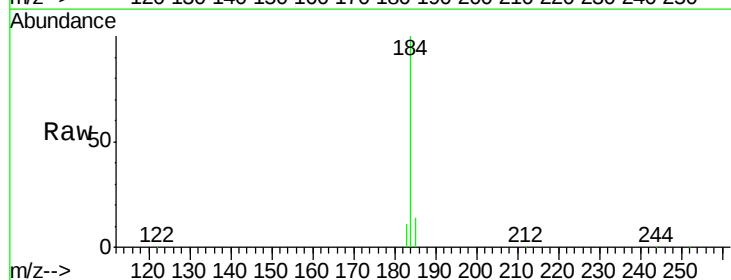
Tgt Ion:184 Resp: 347821

Ion Ratio Lower Upper

184 100

185 13.5 14.4 21.6#

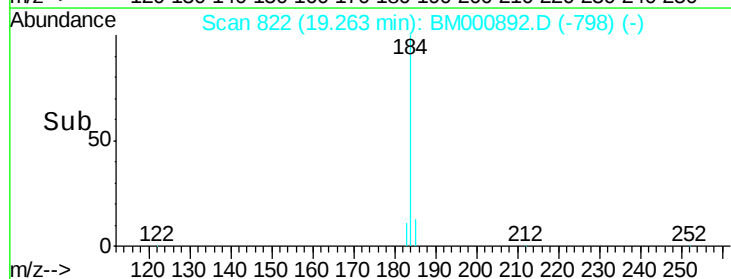
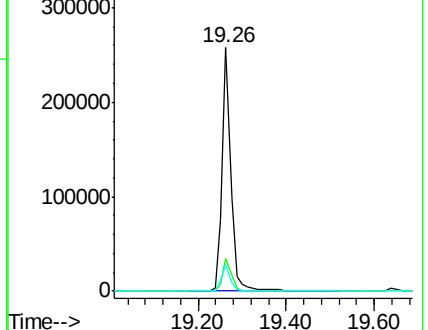
183 10.7 12.6 19.0#

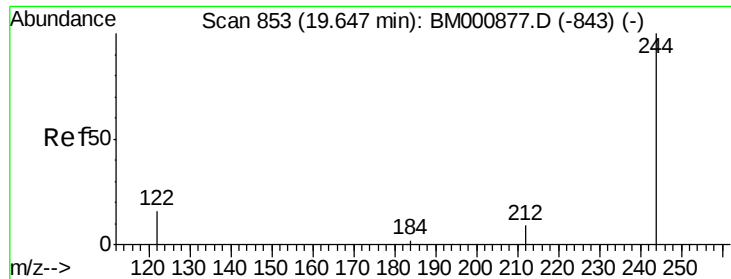


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

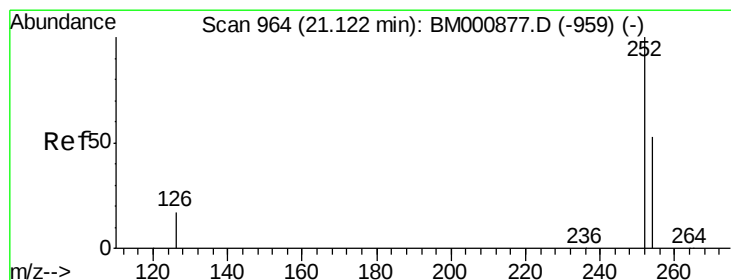
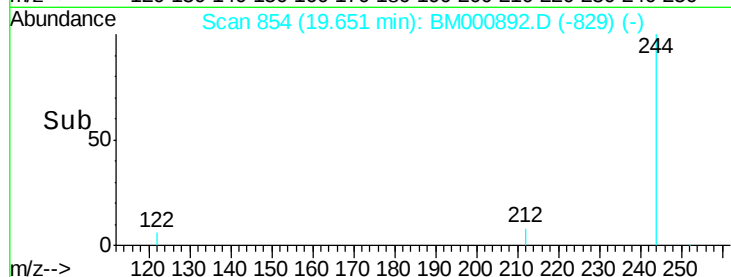
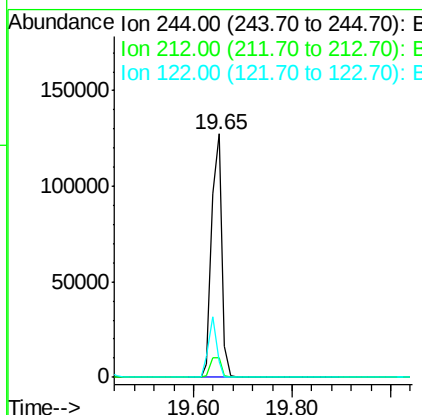
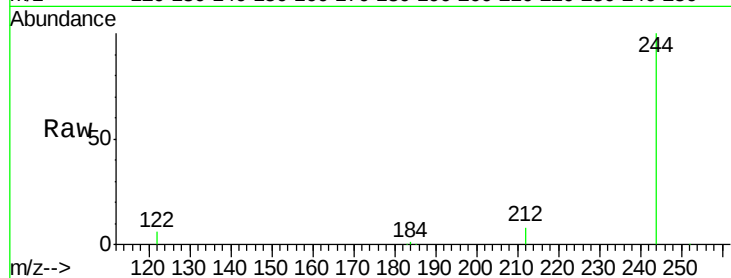




#32
 Terphenyl-d14
 Concen: 9.09 ng
 RT: 19.65 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: BM000892.D
 Acq: 07 Apr 2015 23:35

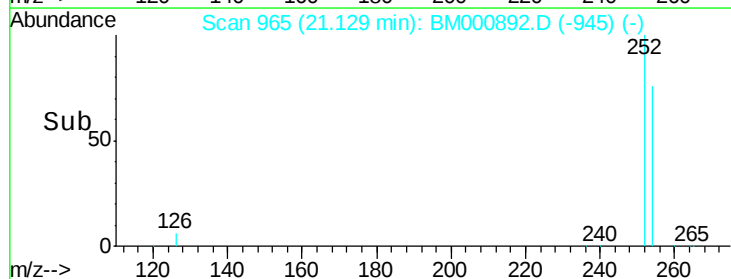
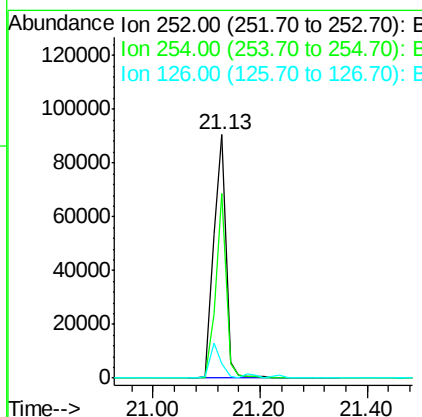
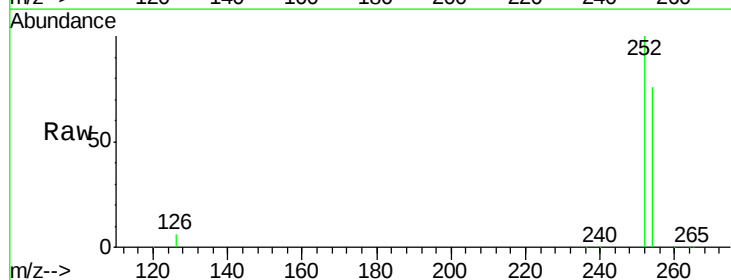
Instrument :
 BNA_M
 ClientSampleId :
 PB82421BS

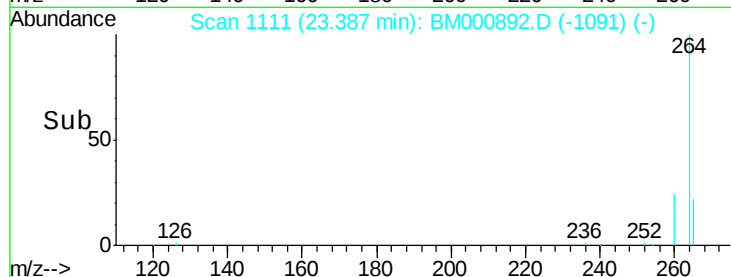
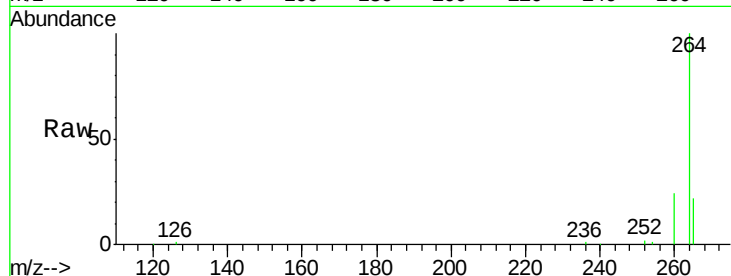
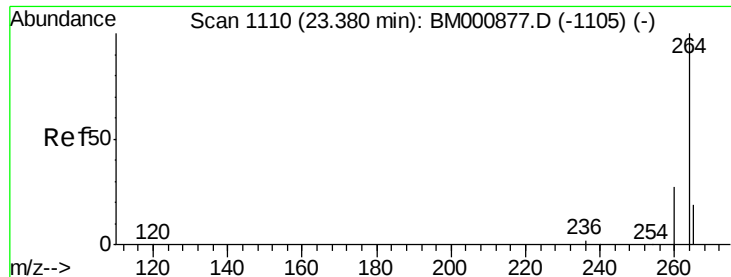
Tot Ion:244 Resp: 181628
 Ion Ratio Lower Upper
 244 100
 212 8.0 8.1 12.1#
 122 6.5 13.6 20.4#



#33
 3,3'-Dichlorobenzidine
 Concen: 5.80 ng
 RT: 21.13 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: BM000892.D
 Acq: 07 Apr 2015 23:35

Tgt Ion:252 Resp: 143411
 Ion Ratio Lower Upper
 252 100
 254 75.8 43.2 64.8#
 126 6.1 15.5 23.3#





#34

Pervlene-d12

Concen: 5.00 ng

RT: 23.39 min Scan# 1111

Delta R.T. 0.01 min

Lab File: BM000892.D

Acq: 07 Apr 2015 23:35

Instrument :

BNA_M

ClientSampleId :

PB82421BS

Tot Ion: 264 Resp: 147501

Ion Ratio Lower Upper

264 100

260 23.6 21.6 32.4

265 22.2 16.1 24.1

