

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040715\
 Data File : BM000882.D
 Acq On : 07 Apr 2015 16:26
 Operator : TP/IZ
 Sample : PB82044BL
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB82044BL

Quant Time: Apr 08 01:14:27 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	7.63	152	16658	5.00	ng	0.00
11) Naphthalene-d8	10.39	136	83656	5.00	ng	0.00
19) Acenaphthene-d10	14.26	164	42097	5.00	ng	0.00
26) Phenanthrene-d10	17.01	188	85412	5.00	ng	0.00
30) Chrysene-d12	21.20	240	75817	5.00	ng	0.00
34) Perylene-d12	23.38	264	77122	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	717443	128.33	ng	0.00
5) Phenol-d6	6.77	99	1090089	93.54	ng	0.00
12) Nitrobenzene-d5	8.73	82	309936	74.28	ng	-0.04
20) 2,4,6-Tribromophenol	15.75	330	214667	118.37	ng	0.00
23) 2-Fluorobiphenyl	12.87	172	1157928	89.23	ng	0.00
32) Terphenyl-d14	19.65	244	794451	84.95	ng	0.00

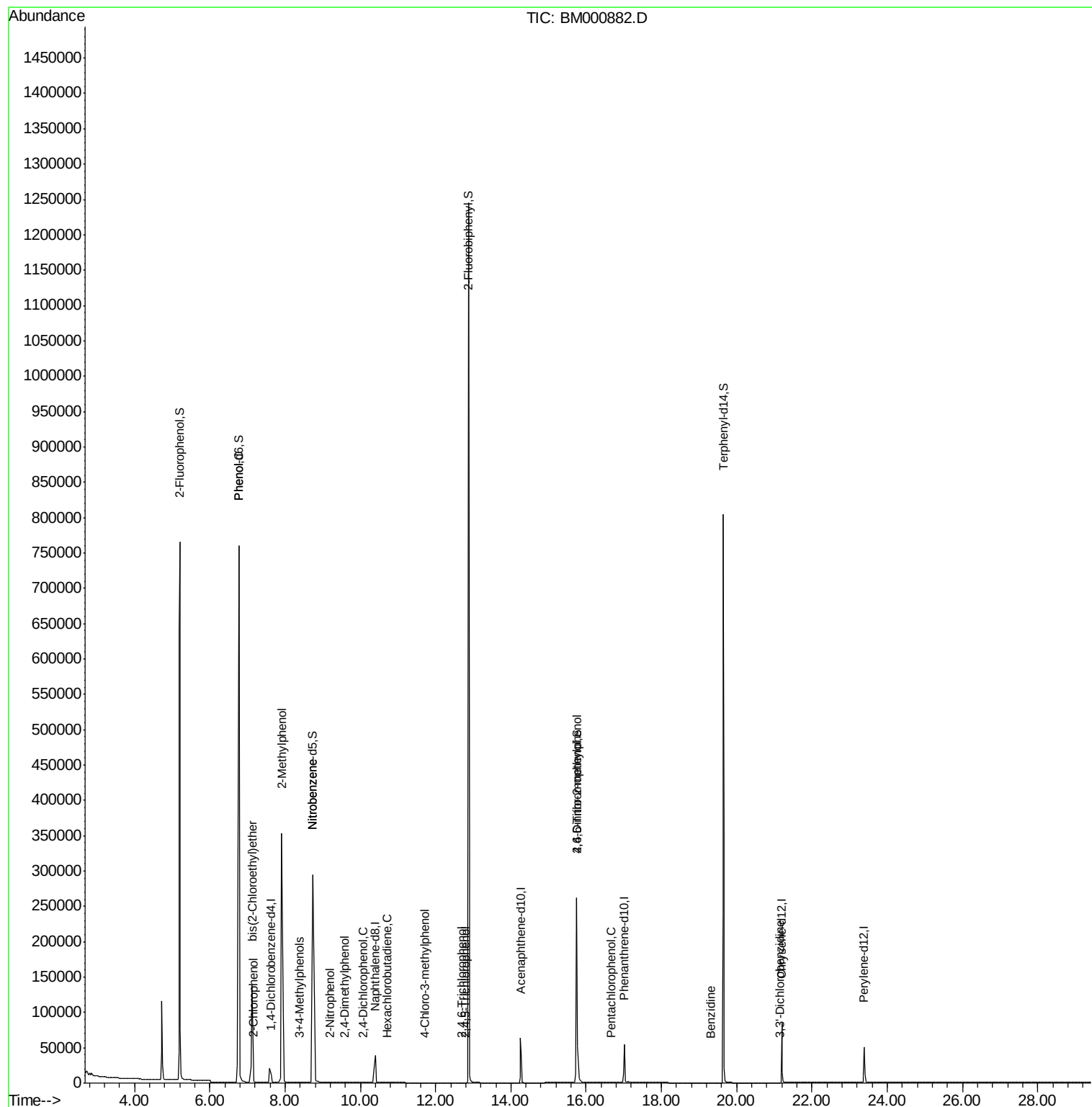
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) 2-Chlorophenol	7.17	128	372	0.21	ng	# 1
7) Phenol	6.77	94	267	0.04	ng	# 1
8) bis(2-Chloroethyl)ether	7.13	93	1466	0.35	ng	# 1
9) 2-Methylphenol	7.91	107	145	0.03	ng	# 1
10) 3+4-Methylphenols	8.38	107	60	0.23	ng	# 20
13) Nitrobenzene	8.73	77	1238	0.29	ng	# 15
14) 2-Nitrophenol	9.20	139	270	0.23	ng	# 1
15) 2,4-Dimethylphenol	9.58	122	15	0.00	ng	# 53
16) 2,4-Dichlorophenol	10.07	162	20	0.23	ng	# 19
17) Hexachlorobutadiene	10.72	225	11	0.00	ng	# 54
18) 4-Chloro-3-methylphenol	11.71	107	10	0.22	ng	# 54
21) 2,4,6-Trichlorophenol	12.70	196	6	0.24	ng	# 57
22) 2,4,5-Trichlorophenol	12.79	196	21	0.20	ng	# 82
27) 4,6-Dinitro-2-methylphenol	15.75	198	698	0.88	ng	# 63
28) Hexachlorobenzene	16.32	284	14	Below Cal		# 1
29) Pentachlorophenol	16.67	266	35	0.54	ng	# 75
31) Benzidine	19.31	184	94	0.01	ng	# 1
33) 3,3'-Dichlorobenzidine	21.14	252	127	0.01	ng	# 34

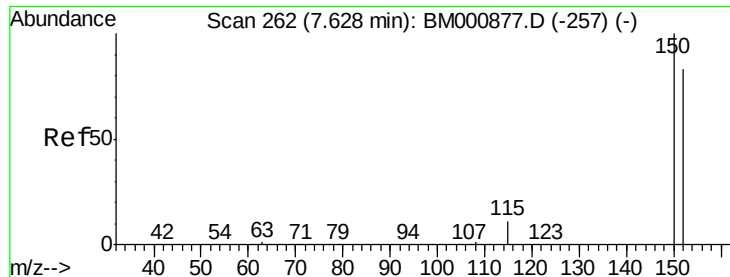
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040715\
Data File : BM000882.D
Acq On : 07 Apr 2015 16:26
Operator : TP/IZ
Sample : PB82044BL
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB82044BL

Quant Time: Apr 08 01:14:27 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



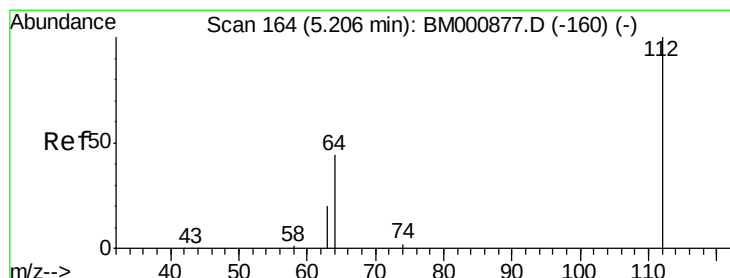
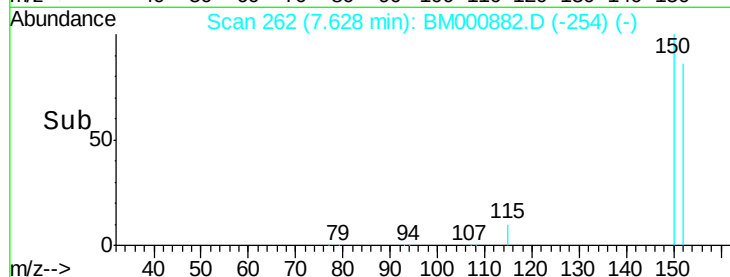
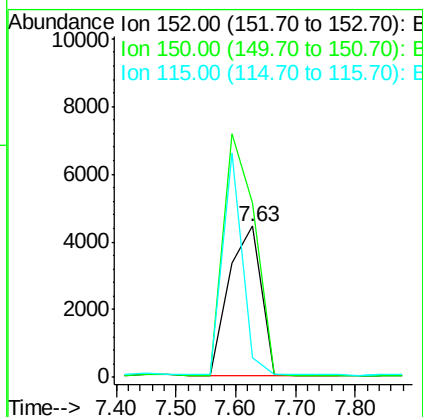
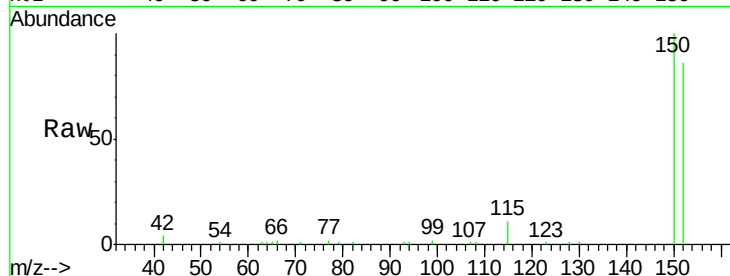


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.63 min Scan# 262
Delta R.T. 0.00 min
Lab File: BM000882.D
Acq: 07 Apr 2015 16:26

Instrument :
BNA_M
ClientSampleId :
PB82044BL

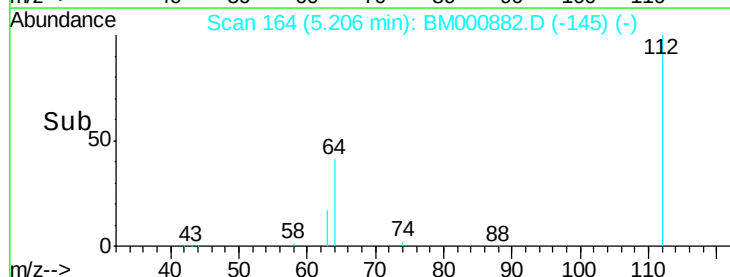
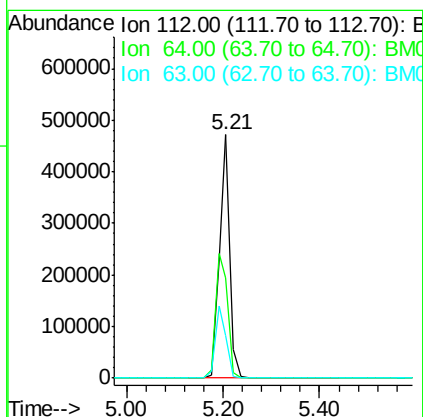
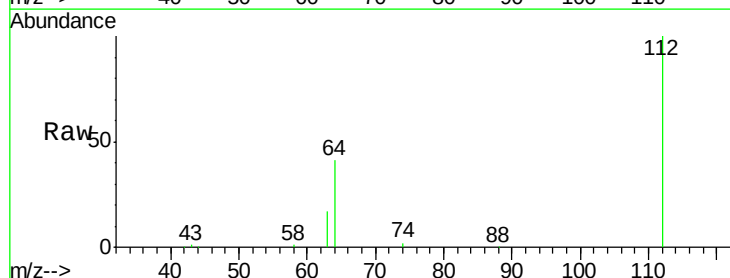
Tgt Ion:152 Resp: 16658
Ion Ratio Lower Upper
152 100
150 115.8 96.5 144.7
115 13.2 11.9 17.9

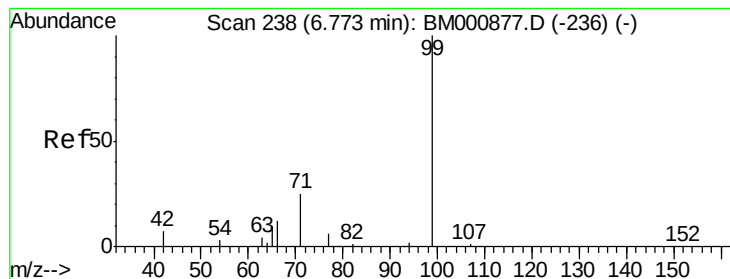


#4

2-Fluorophenol
Concen: 128.33 ng
RT: 5.21 min Scan# 164
Delta R.T. 0.00 min
Lab File: BM000882.D
Acq: 07 Apr 2015 16:26

Tgt Ion:112 Resp: 717443
Ion Ratio Lower Upper
112 100
64 41.0 35.7 53.5
63 17.4 17.0 25.4





#5

Phenol-d6

Concen: 93.54 ng

RT: 6.77 min Scan# 238

Delta R.T. 0.00 min

Lab File: BM000882.D

Acq: 07 Apr 2015 16:26

Instrument :

BNA_M

ClientSampleId :

PB82044BL

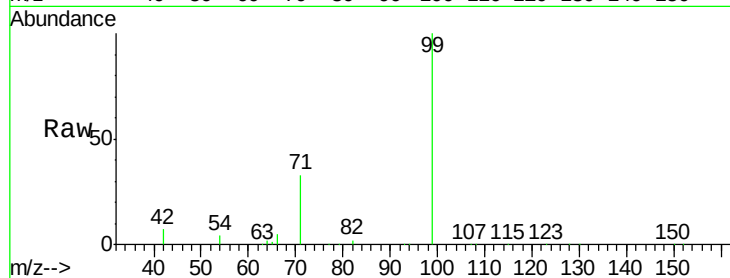
Tgt Ion: 99 Resp: 1090089

Ion Ratio Lower Upper

99 100

42 6.6 7.5 11.3#

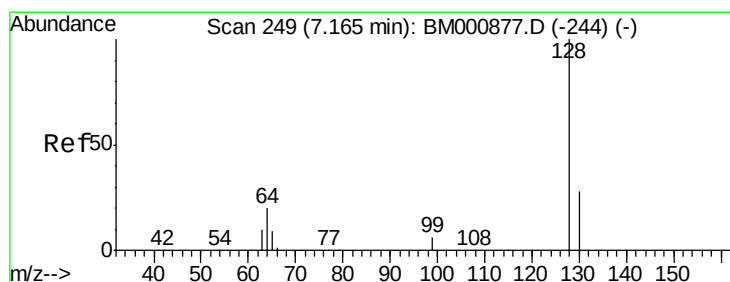
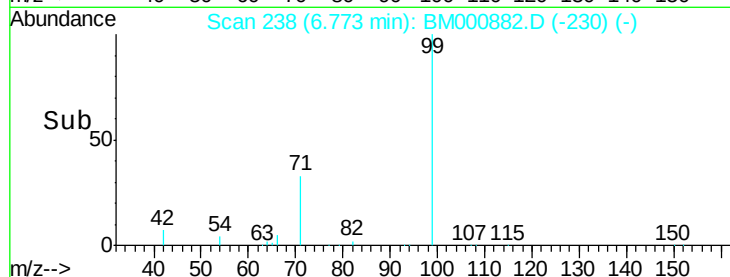
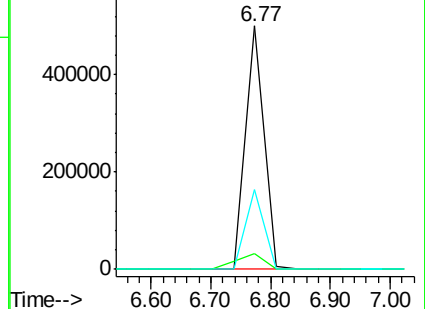
71 32.7 21.3 31.9#



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: 0.21 ng

RT: 7.17 min Scan# 249

Delta R.T. 0.00 min

Lab File: BM000882.D

Acq: 07 Apr 2015 16:26

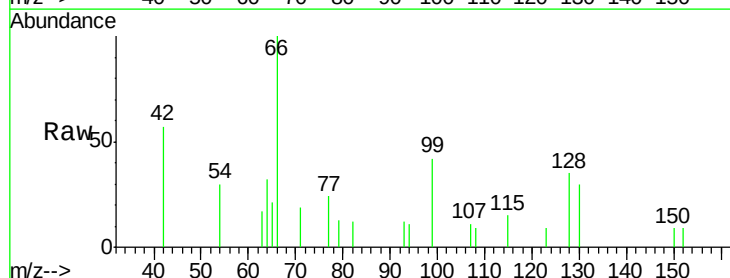
Tgt Ion: 128 Resp: 372

Ion Ratio Lower Upper

128 100

130 84.9 9.4 49.4#

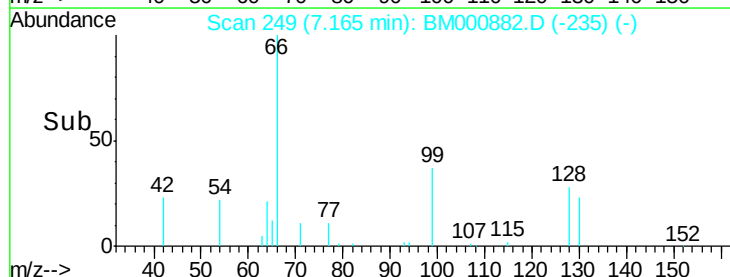
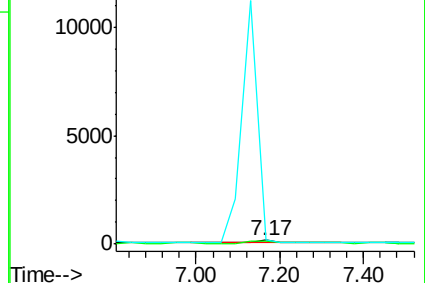
64 91.1 2.1 42.1#

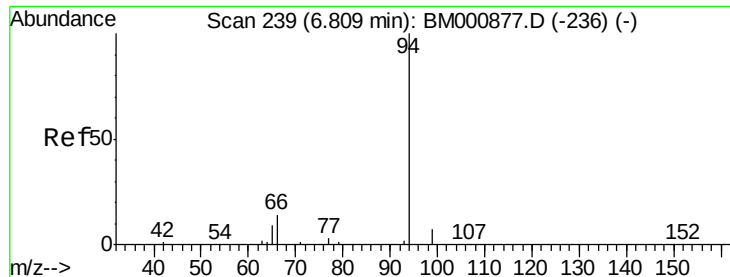


Abundance Ion 128.00 (127.70 to 128.70): BM000877.D (-244) (-)

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: 0.04 ng

RT: 6.77 min Scan# 238

Delta R.T. -0.04 min

Lab File: BM000882.D

Acq: 07 Apr 2015 16:26

Instrument :

BNA_M

ClientSampleId :

PB82044BL

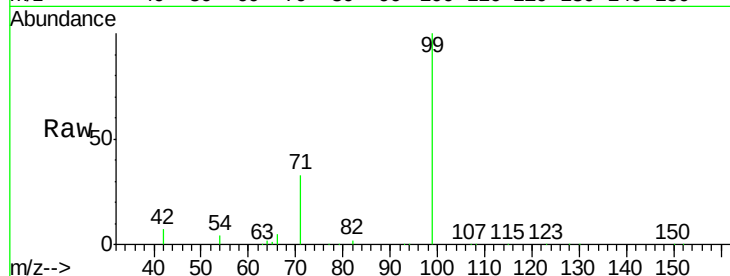
Tgt Ion: 94 Resp: 267

Ion Ratio Lower Upper

94 100

65 2692.1 0.0 30.9#

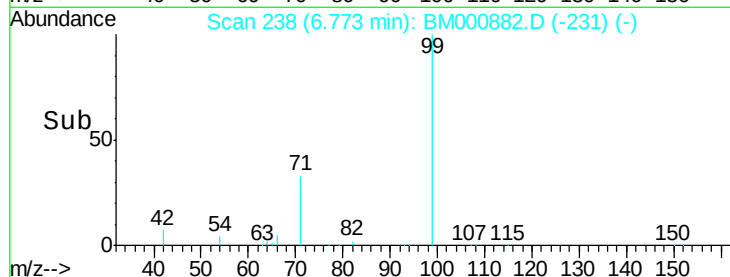
66 16397.1 0.0 35.8#



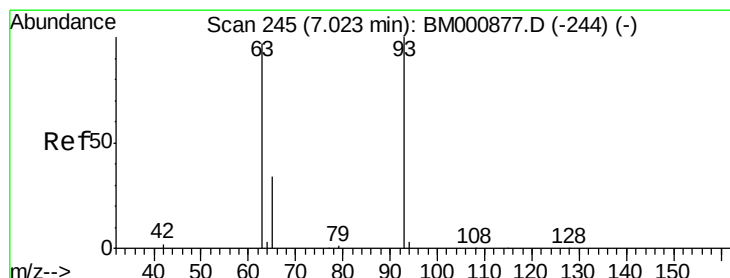
Abundance Ion 94.00 (93.70 to 94.70): BM000877.D (-236) (-)

Ion 65.00 (64.70 to 65.70): BM000877.D (-236) (-)

Ion 66.00 (65.70 to 66.70): BM000877.D (-236) (-)



Time-->



#8

bis(2-Chloroethyl)ether

Concen: 0.35 ng

RT: 7.13 min Scan# 248

Delta R.T. 0.11 min

Lab File: BM000882.D

Acq: 07 Apr 2015 16:26

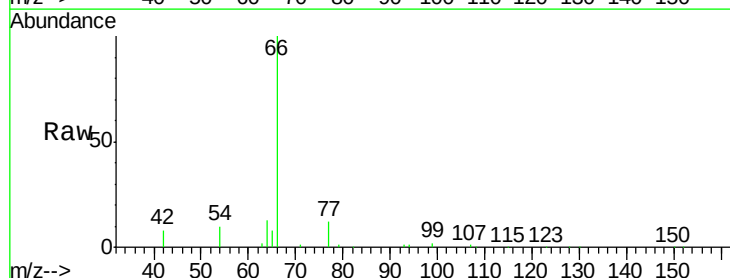
Tgt Ion: 93 Resp: 1466

Ion Ratio Lower Upper

93 100

63 280.5 73.3 113.3#

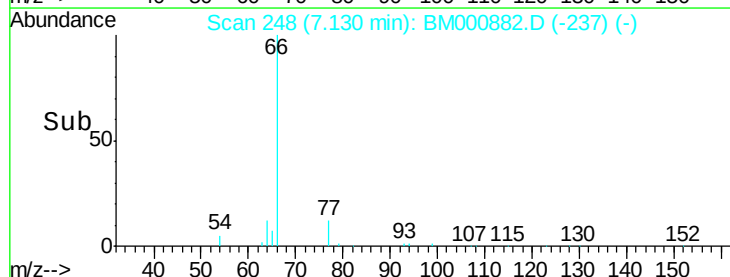
95 0.0 0.0 20.0



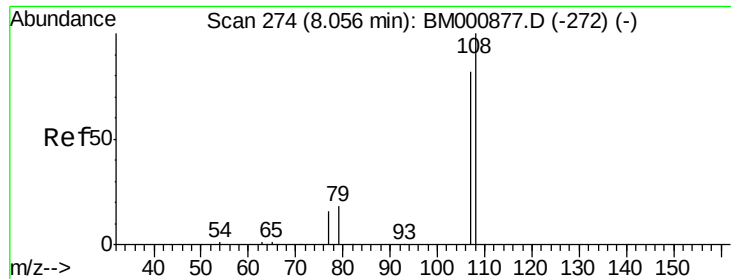
Abundance Ion 93.00 (92.70 to 93.70): BM000877.D (-244) (-)

Ion 63.00 (62.70 to 63.70): BM000877.D (-244) (-)

Ion 95.00 (94.70 to 95.70): BM000877.D (-244) (-)



Time-->



#9

2-Methylphenol

Concen: 0.03 ng

RT: 7.91 min Scan# 270

Delta R.T. -0.14 min

Lab File: BM000882.D

Acq: 07 Apr 2015 16:26

Instrument :

BNA_M

ClientSampleId :

PB82044BL

Tgt Ion:107 Resp: 145

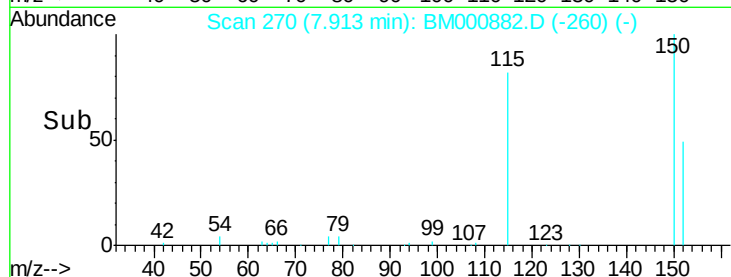
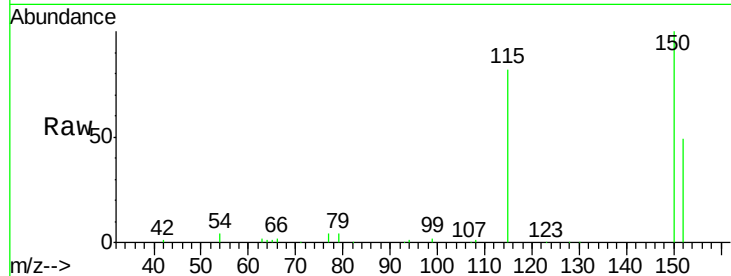
Ion Ratio Lower Upper

107 100

108 1663.9 96.7 145.1#

77 5669.4 18.3 27.5#

79 5249.1 19.9 29.9#

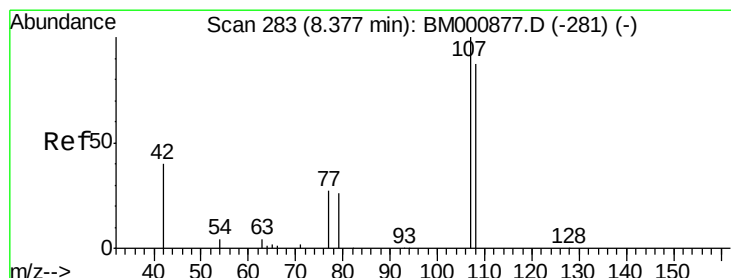
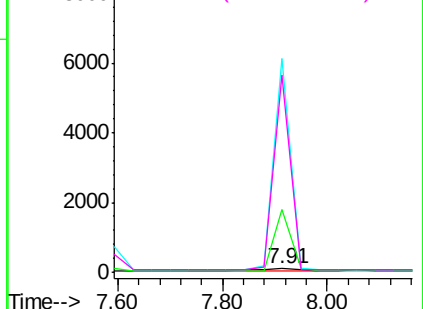


Abundance Ion 107.00 (106.70 to 107.70): E

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: 0.23 ng

RT: 8.38 min Scan# 283

Delta R.T. 0.00 min

Lab File: BM000882.D

Acq: 07 Apr 2015 16:26

Tgt Ion:107 Resp: 60

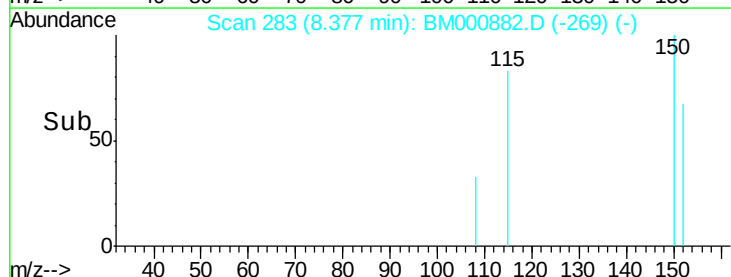
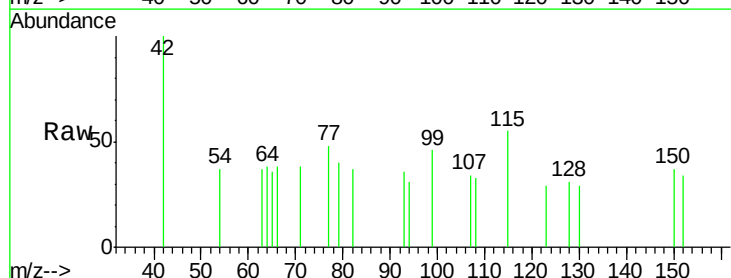
Ion Ratio Lower Upper

107 100

108 96.4 67.6 107.6

77 139.3 10.0 50.0#

79 117.9 8.4 48.4#

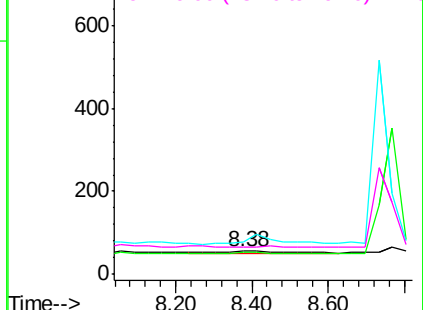


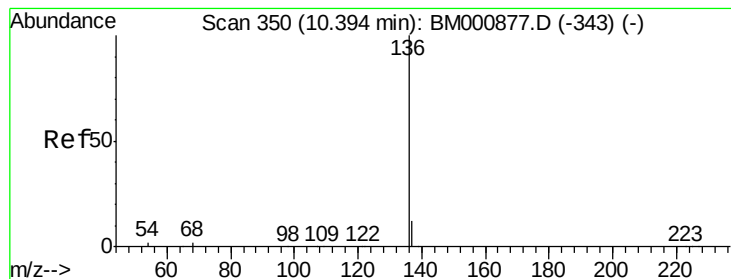
Abundance Ion 107.00 (106.70 to 107.70): E

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: BM000882.D

Acq: 07 Apr 2015 16:26

Instrument :

BNA_M

ClientSampleId :

PB82044BL

Tgt Ion:136 Resp: 83656

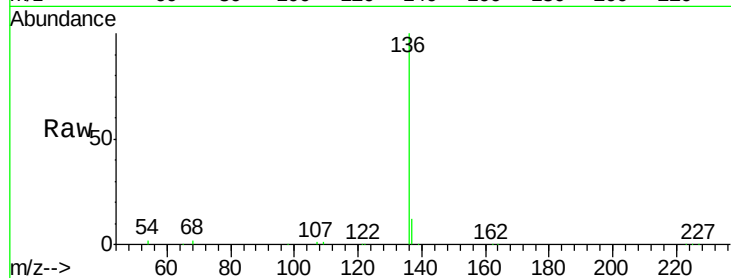
Ion Ratio Lower Upper

136 100

137 12.0 9.6 14.4

54 2.1 1.5 2.3

68 2.1 1.6 2.4

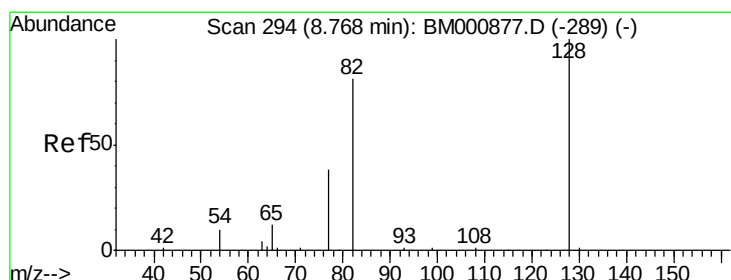
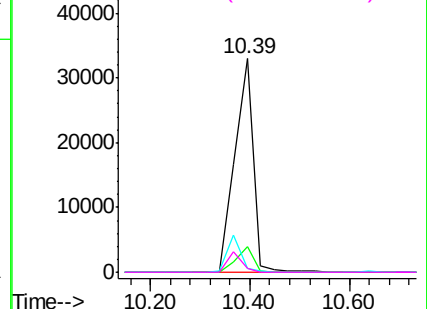
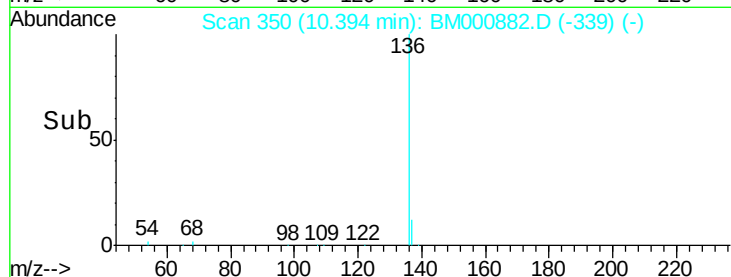


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#12

Nitrobenzene-d5

Concen: 74.28 ng

RT: 8.73 min Scan# 293

Delta R.T. -0.04 min

Lab File: BM000882.D

Acq: 07 Apr 2015 16:26

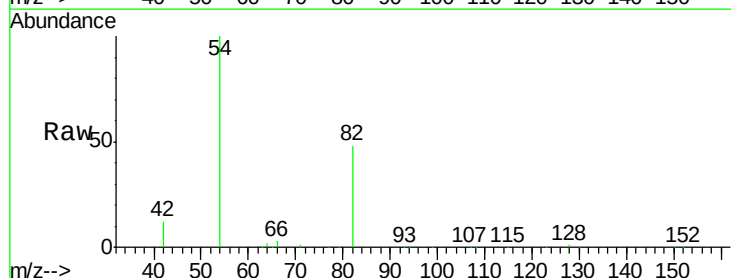
Tgt Ion: 82 Resp: 309936

Ion Ratio Lower Upper

82 100

128 2.3 96.2 144.2#

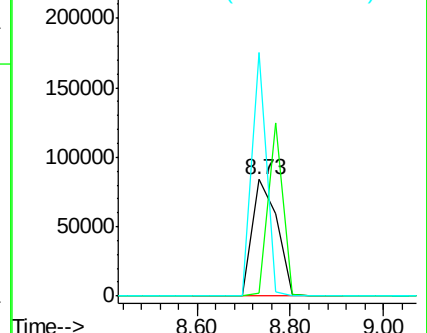
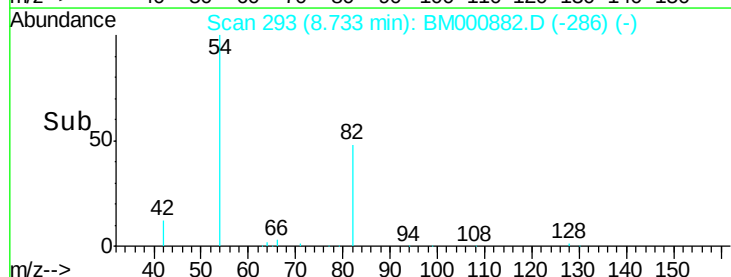
54 209.1 15.0 22.6#

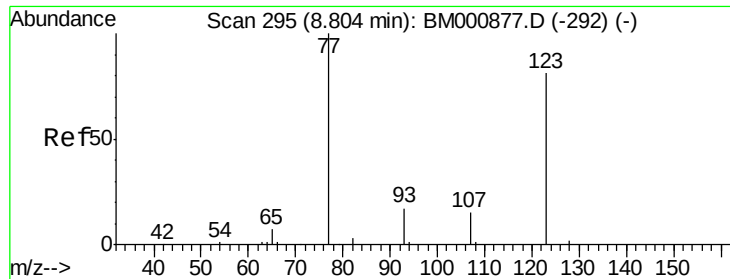


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM

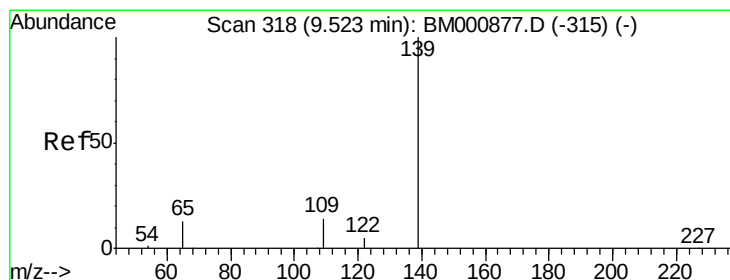
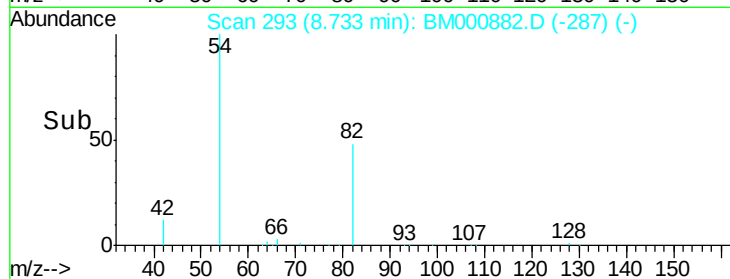
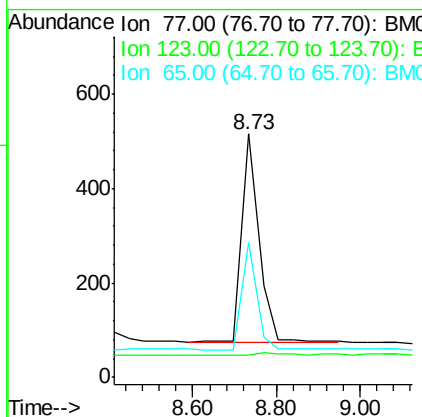
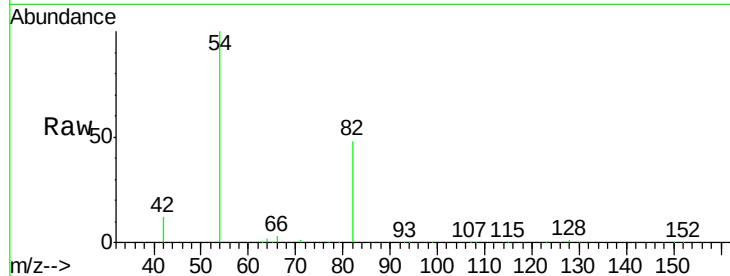




#13
Nitrobenzene
Concen: 0.29 ng
RT: 8.73 min Scan# 293
Delta R.T. -0.07 min
Lab File: BM000882.D
Acq: 07 Apr 2015 16:26

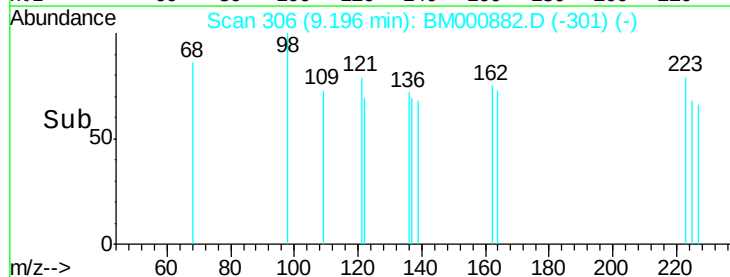
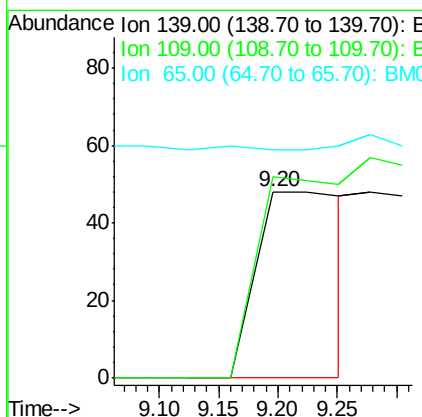
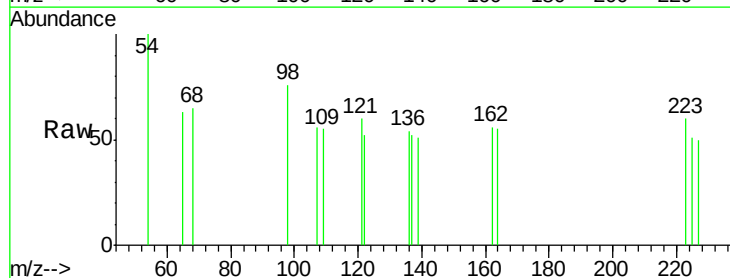
Instrument :
BNA_M
ClientSampleId :
PB82044BL

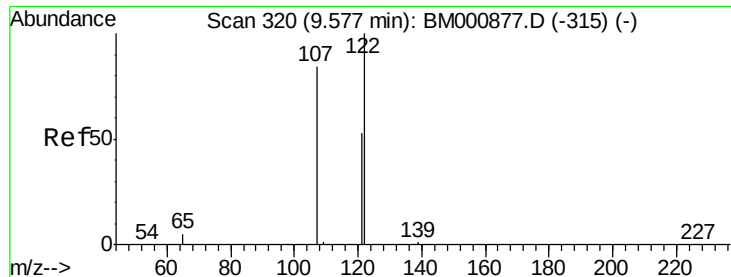
Tgt Ion: 77 Resp: 1238
Ion Ratio Lower Upper
77 100
123 9.3 64.0 96.0#
65 55.2 8.7 13.1#



#14
2-Nitrophenol
Concen: 0.23 ng
RT: 9.20 min Scan# 306
Delta R.T. -0.33 min
Lab File: BM000882.D
Acq: 07 Apr 2015 16:26

Tgt Ion: 139 Resp: 270
Ion Ratio Lower Upper
139 100
109 108.3 15.8 23.8#
65 122.9 16.2 24.2#





#15

2,4-Dimethylphenol

Concen: 0.00 ng

RT: 9.58 min Scan# 320

Delta R.T. 0.00 min

Lab File: BM000882.D

Acq: 07 Apr 2015 16:26

Instrument :

BNA_M

ClientSampleId :

PB82044BL

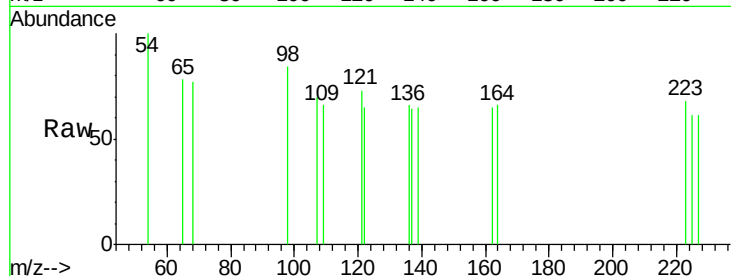
Tgt Ion:122 Resp: 15

Ion Ratio Lower Upper

122 100

107 108.0 67.4 101.2#

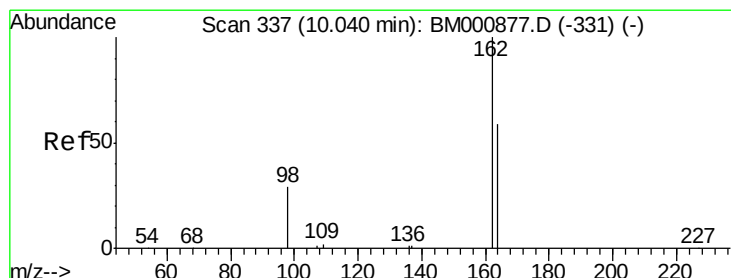
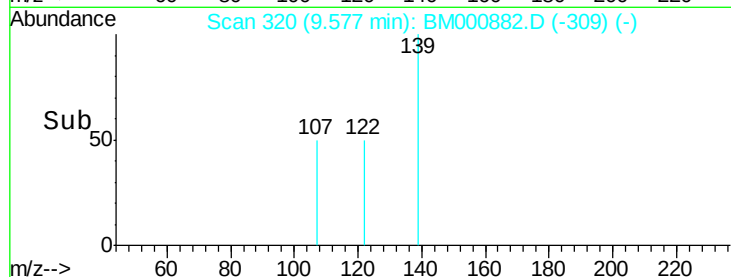
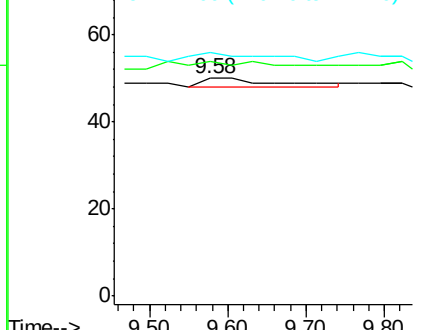
121 112.0 43.5 65.3#



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



#16

2,4-Dichlorophenol

Concen: 0.23 ng

RT: 10.07 min Scan# 338

Delta R.T. 0.03 min

Lab File: BM000882.D

Acq: 07 Apr 2015 16:26

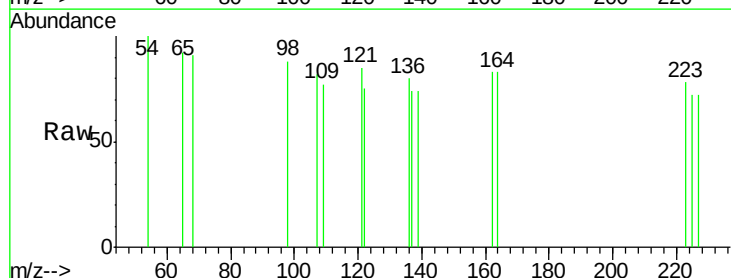
Tgt Ion:162 Resp: 20

Ion Ratio Lower Upper

162 100

164 100.0 39.9 79.9#

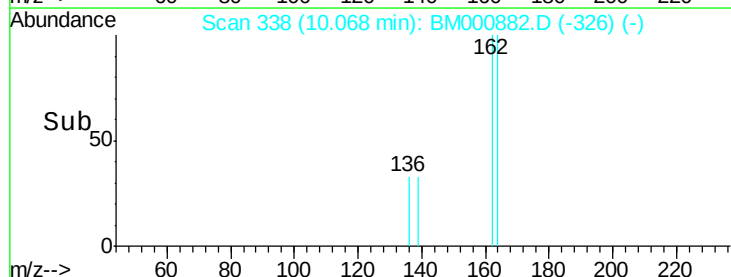
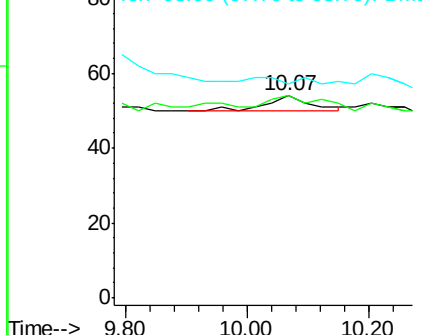
98 105.6 11.3 51.3#

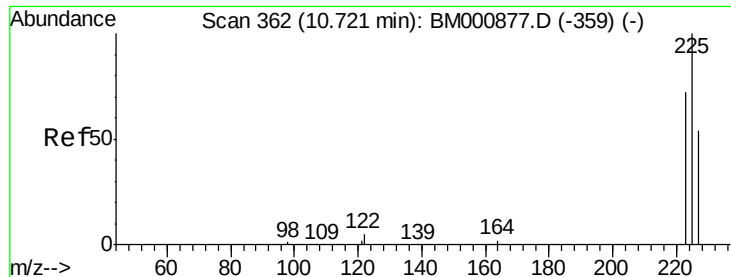


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM0

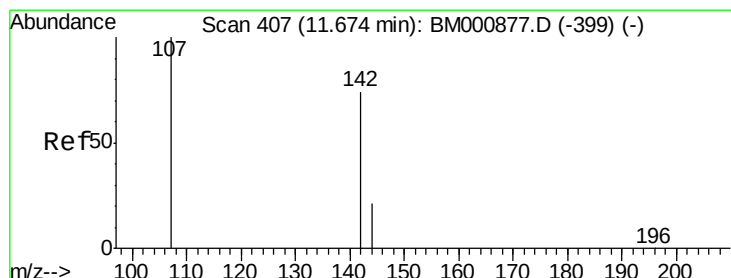
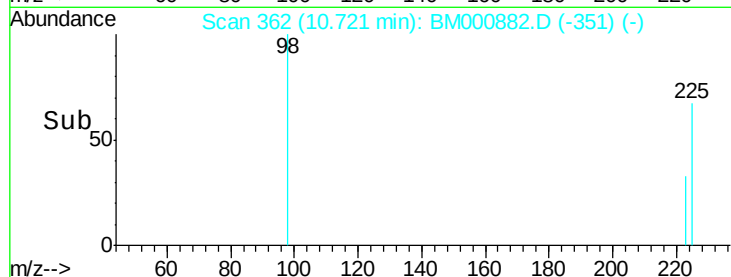
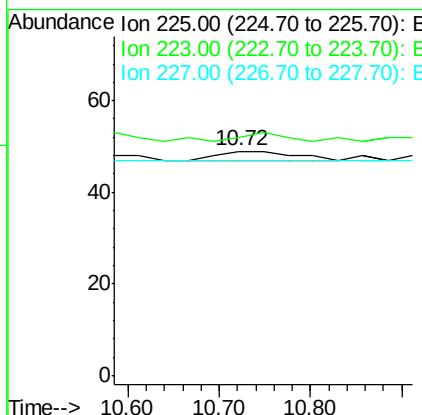
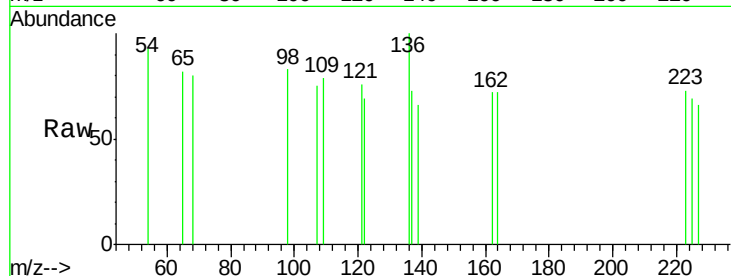




#17
Hexachlorobutadiene
Concen: 0.00 ng
RT: 10.72 min Scan# 362
Delta R.T. 0.00 min
Lab File: BM000882.D
Acq: 07 Apr 2015 16:26

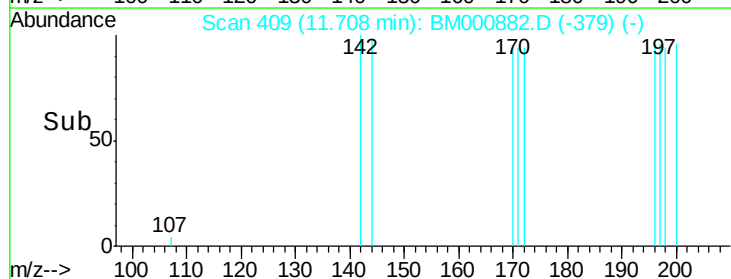
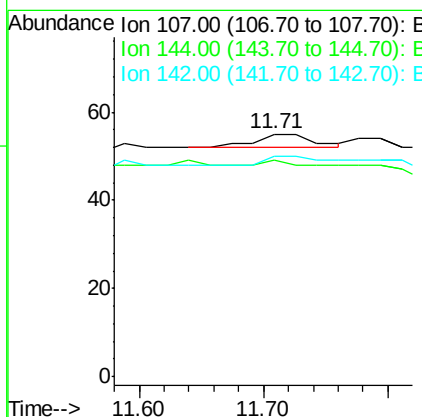
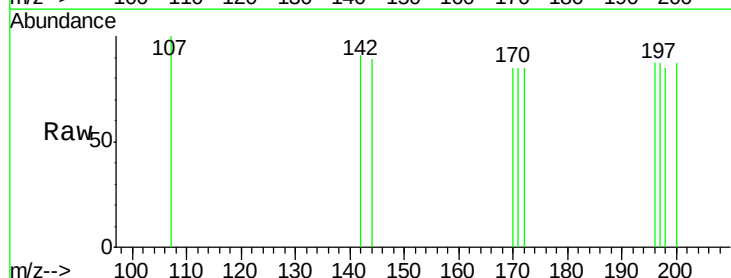
Instrument :
BNA_M
ClientSampleId :
PB82044BL

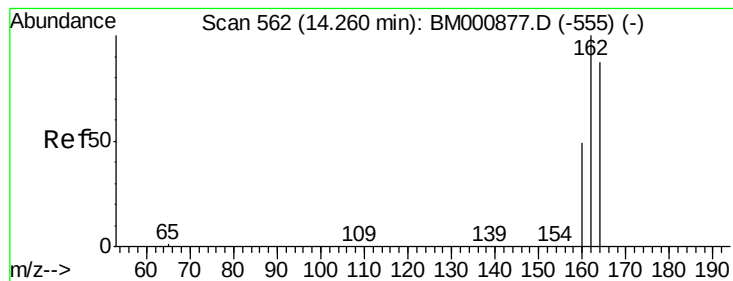
Tgt Ion: 225 Resp: 11
Ion Ratio Lower Upper
225 100
223 106.1 58.3 87.5#
227 95.9 44.5 66.7#



#18
4-Chloro-3-methylphenol
Concen: 0.22 ng
RT: 11.71 min Scan# 409
Delta R.T. 0.03 min
Lab File: BM000882.D
Acq: 07 Apr 2015 16:26

Tgt Ion: 107 Resp: 10
Ion Ratio Lower Upper
107 100
144 89.1 18.4 27.6#
142 90.9 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: BM000882.D

Acq: 07 Apr 2015 16:26

Instrument :

BNA_M

ClientSampleId :

PB82044BL

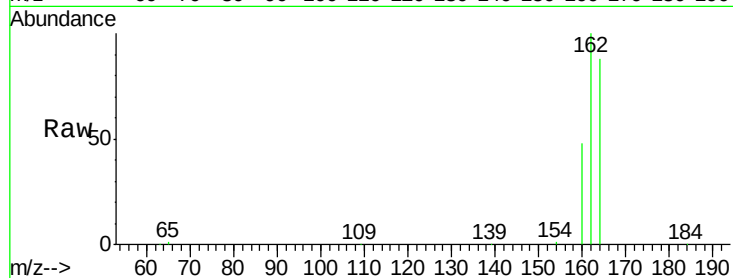
Tgt Ion:164 Resp: 42097

Ion Ratio Lower Upper

164 100

162 114.3 91.8 137.6

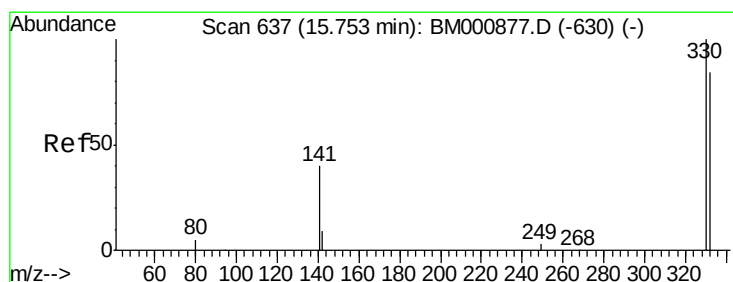
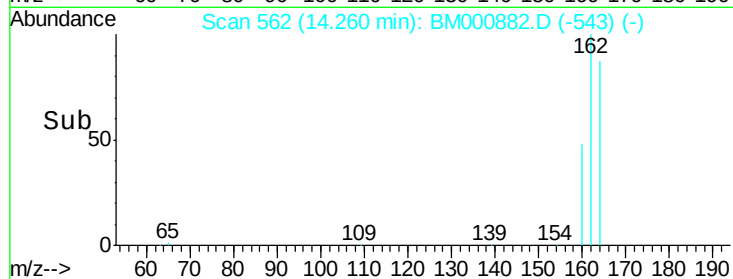
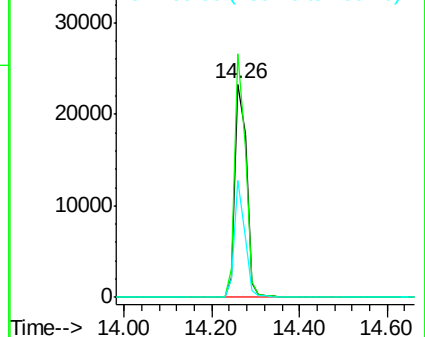
160 54.8 44.6 67.0



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



#20

2,4,6-Tribromophenol

Concen: 118.37 ng

RT: 15.75 min Scan# 637

Delta R.T. 0.00 min

Lab File: BM000882.D

Acq: 07 Apr 2015 16:26

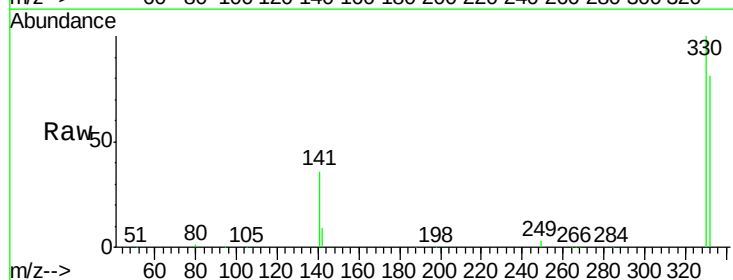
Tgt Ion:330 Resp: 214667

Ion Ratio Lower Upper

330 100

332 88.8 72.6 109.0

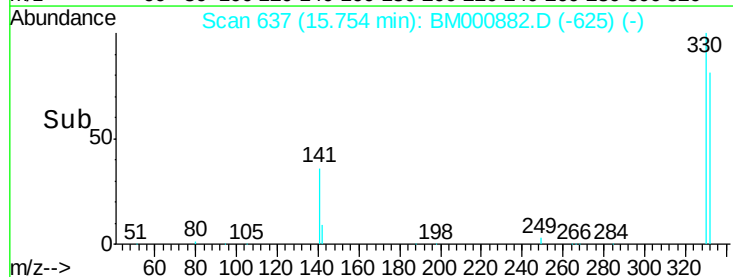
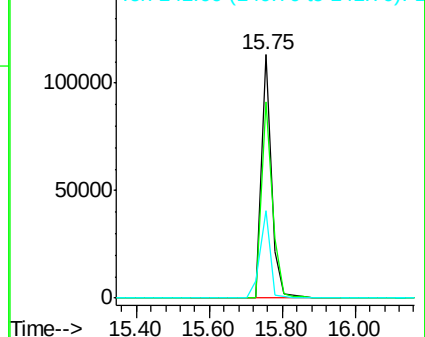
141 36.5 29.8 44.6

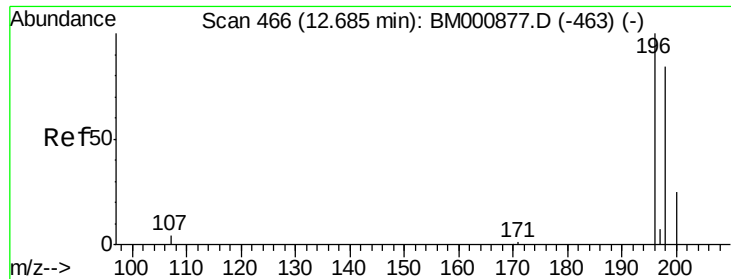


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#21

2,4,6-Trichlorophenol

Concen: 0.24 ng

RT: 12.70 min Scan# 467

Delta R.T. 0.02 min

Lab File: BM000882.D

Acq: 07 Apr 2015 16:26

Instrument :

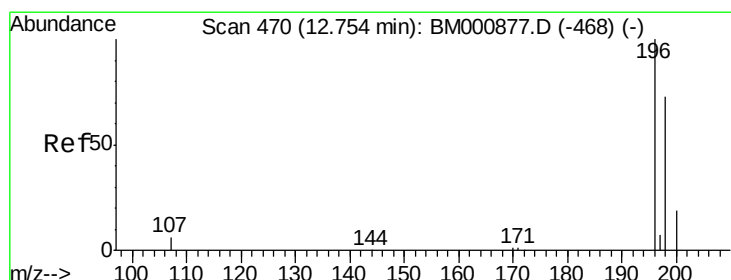
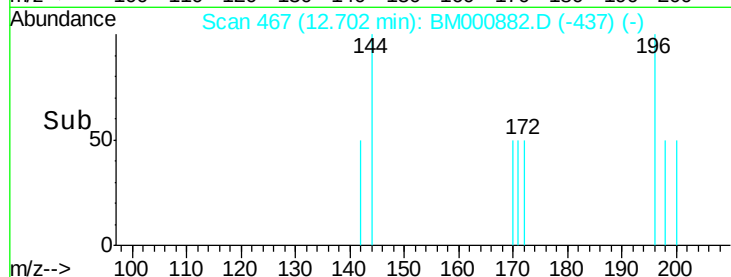
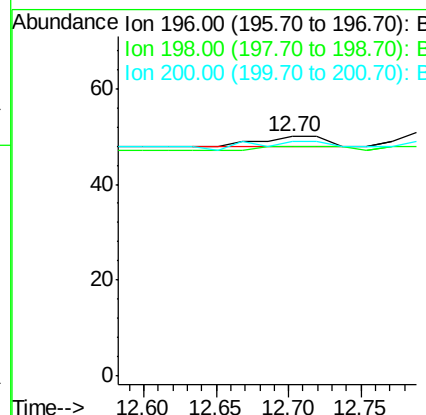
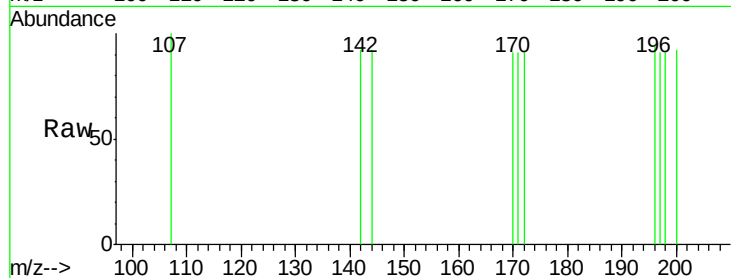
BNA_M

ClientSampleId :

PB82044BL

Tgt Ion:196 Resp: 6

Ion	Ratio	Lower	Upper
196	100		
198	96.0	67.5	101.3
200	98.0	22.1	33.1



#22

2,4,5-Trichlorophenol

Concen: 0.20 ng

RT: 12.79 min Scan# 472

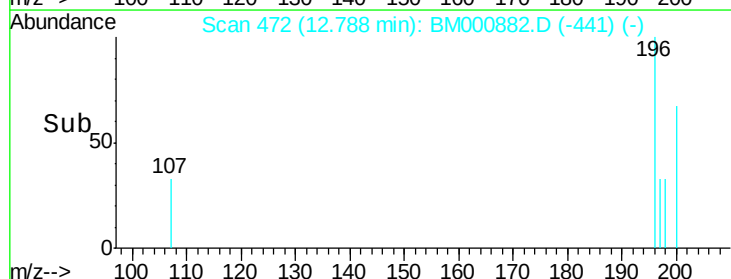
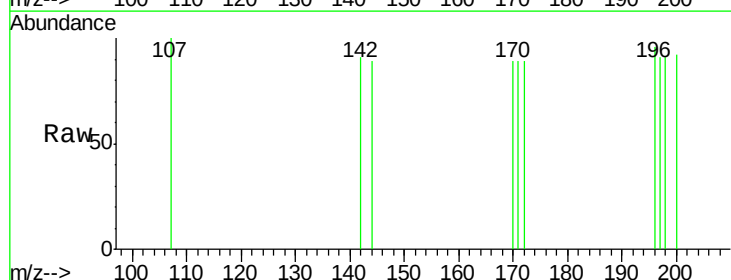
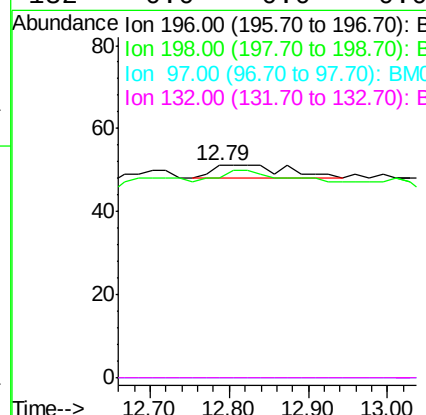
Delta R.T. 0.04 min

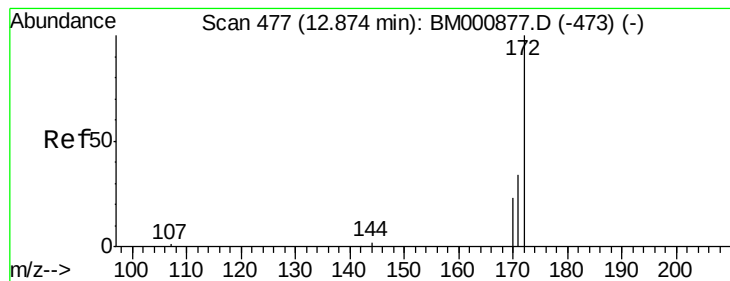
Lab File: BM000882.D

Acq: 07 Apr 2015 16:26

Tgt Ion:196 Resp: 21

Ion	Ratio	Lower	Upper
196	100		
198	94.1	62.7	94.1
97	0.0	0.0	0.0
132	0.0	0.0	0.0

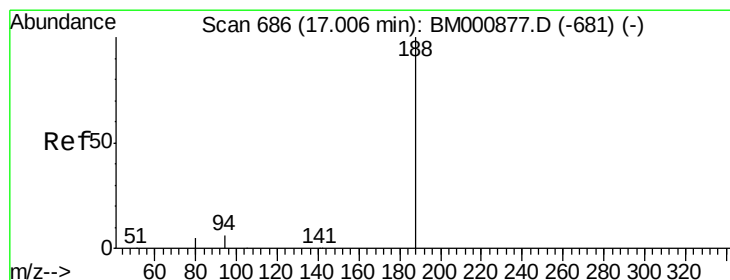
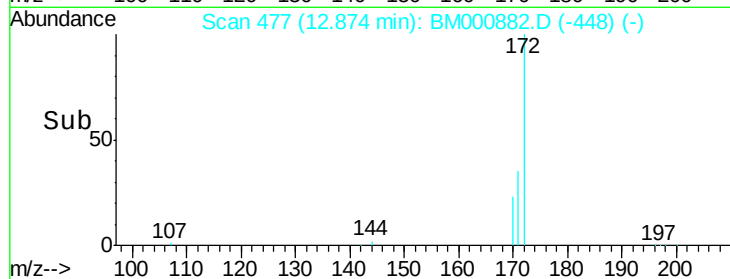
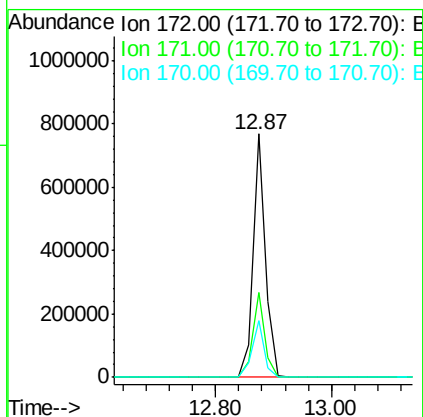
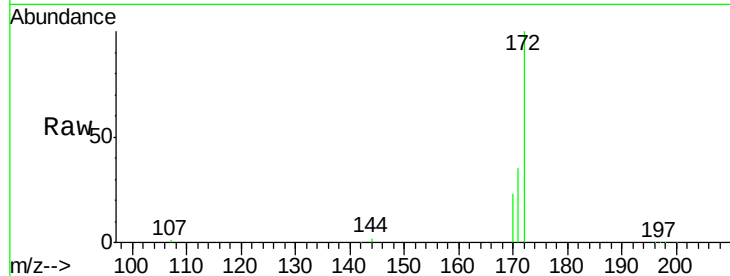




#23
2-Fluorobiphenyl
Concen: 89.23 ng
RT: 12.87 min Scan# 477
Delta R.T. 0.00 min
Lab File: BM000882.D
Acq: 07 Apr 2015 16:26

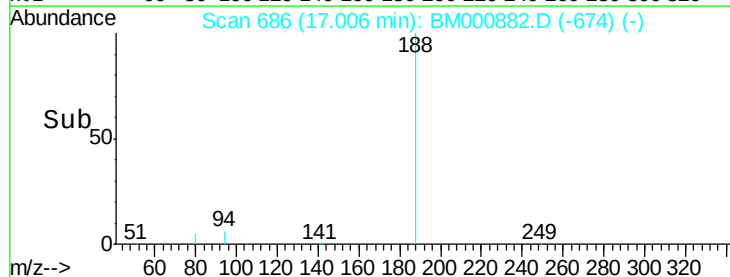
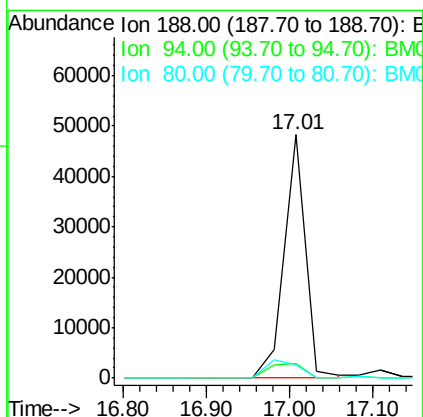
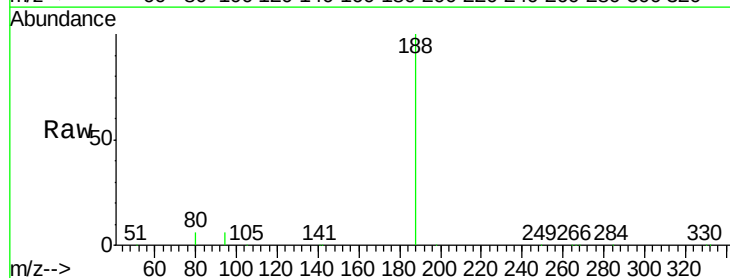
Instrument :
BNA_M
ClientSampleId :
PB82044BL

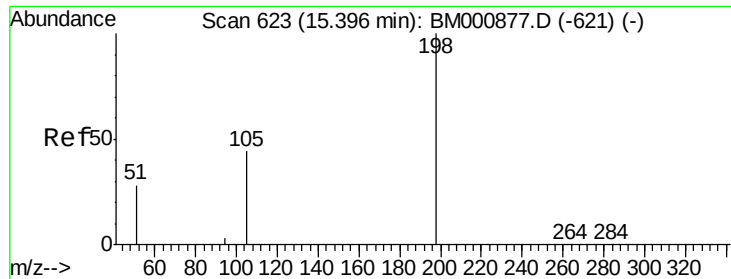
Tgt Ion:172 Resp: 1157928
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.8
170 23.4 19.0 28.6



#26
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.01 min Scan# 686
Delta R.T. 0.00 min
Lab File: BM000882.D
Acq: 07 Apr 2015 16:26

Tgt Ion:188 Resp: 85412
Ion Ratio Lower Upper
188 100
94 6.1 4.9 7.3
80 5.5 4.4 6.6

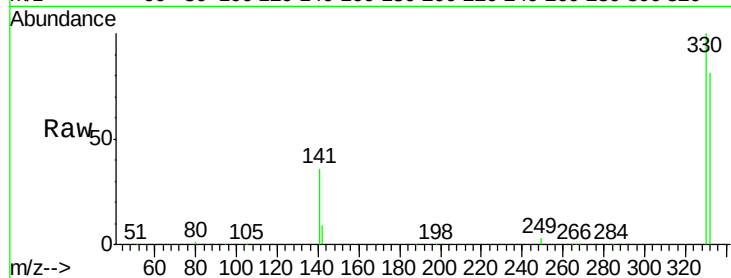




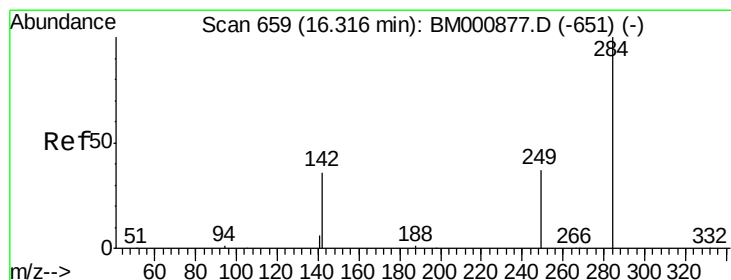
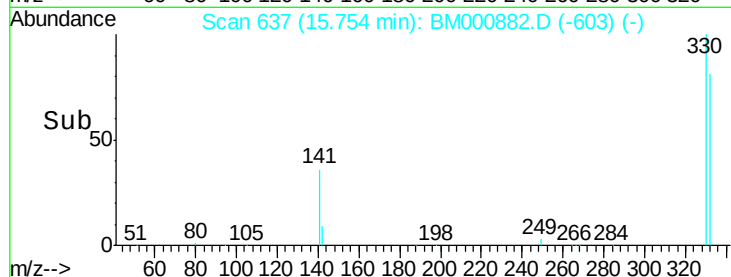
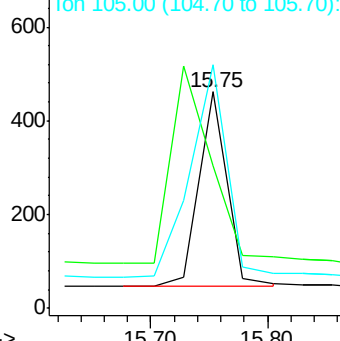
#27
 4,6-Dinitro-2-methylphenol
 Concen: 0.88 ng
 RT: 15.75 min Scan# 637
 Delta R.T. 0.36 min
 Lab File: BM000882.D
 Acq: 07 Apr 2015 16:26

Instrument :
 BNA_M
 ClientSampleId :
 PB82044BL

Tgt Ion:198 Resp: 698
 Ion Ratio Lower Upper
 198 100
 51 66.0 44.6 84.6
 105 112.3 36.0 76.0#

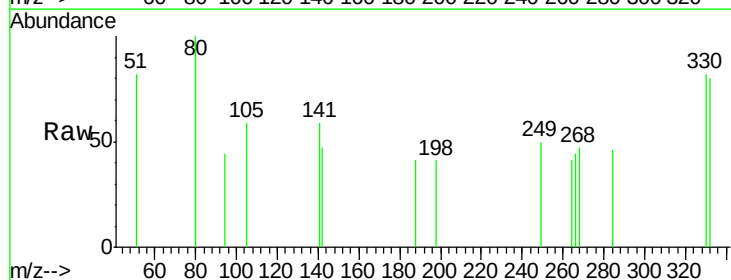


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BM0
 Ion 105.00 (104.70 to 105.70): E

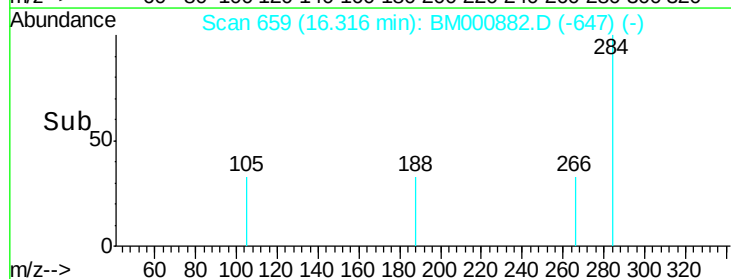
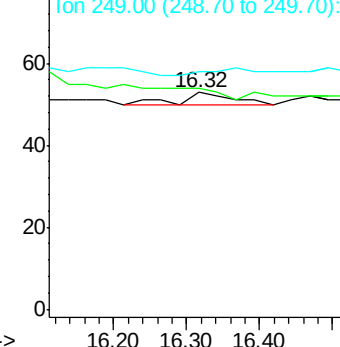


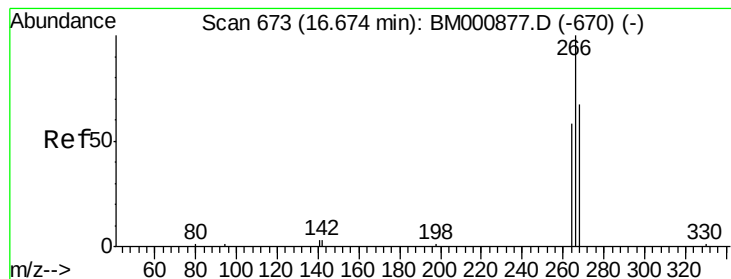
#28
 Hexachlorobenzene
 Concen: Below Cal
 RT: 16.32 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: BM000882.D
 Acq: 07 Apr 2015 16:26

Tgt Ion:284 Resp: 14
 Ion Ratio Lower Upper
 284 100
 142 101.9 29.8 44.8#
 249 109.4 31.0 46.4#



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





#29

Pentachlorophenol

Concen: 0.54 ng

RT: 16.67 min Scan# 673

Delta R.T. 0.00 min

Lab File: BM000882.D

Acq: 07 Apr 2015 16:26

Instrument :

BNA_M

ClientSampleId :

PB82044BL

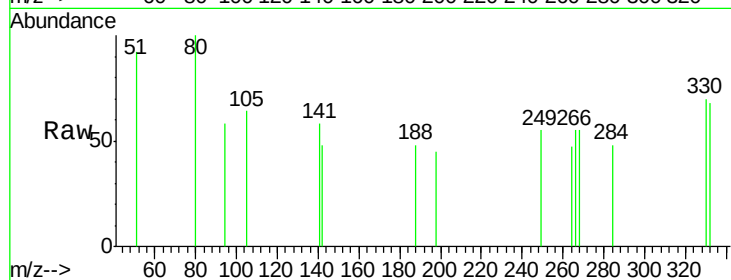
Tgt Ion:266 Resp: 35

Ion Ratio Lower Upper

266 100

268 100.0 61.8 92.8#

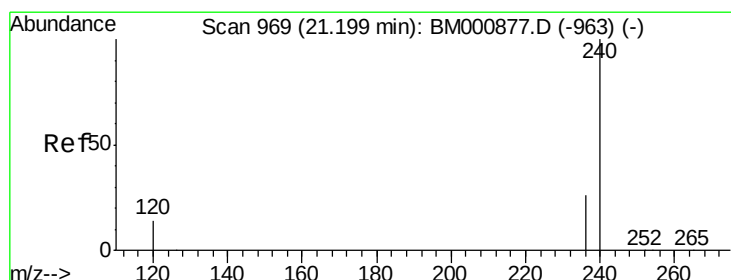
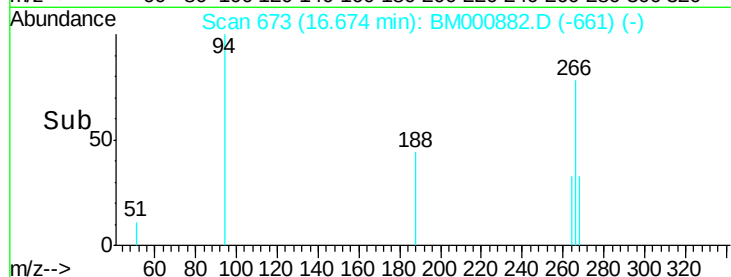
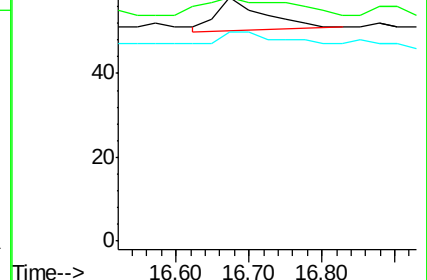
264 86.2 53.8 80.6#



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



#30

Chrysene-d12

Concen: 5.00 ng

RT: 21.20 min Scan# 969

Delta R.T. 0.00 min

Lab File: BM000882.D

Acq: 07 Apr 2015 16:26

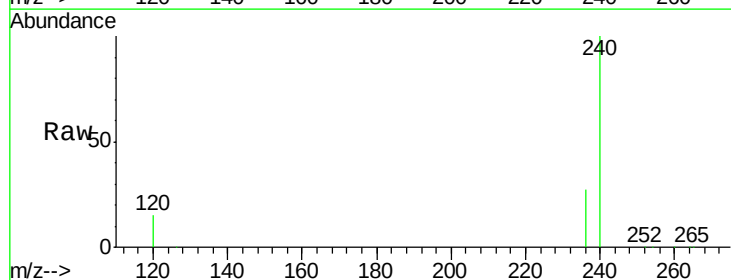
Tgt Ion:240 Resp: 75817

Ion Ratio Lower Upper

240 100

120 15.4 11.1 16.7

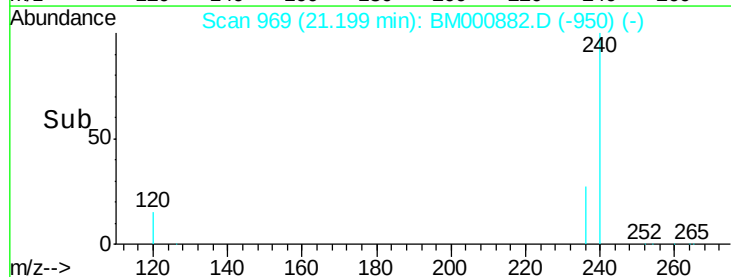
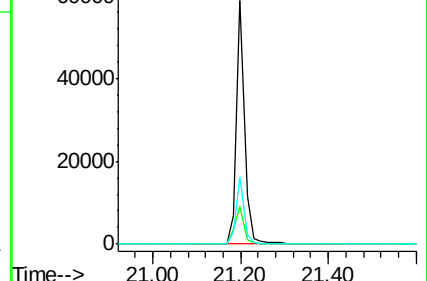
236 27.4 20.9 31.3

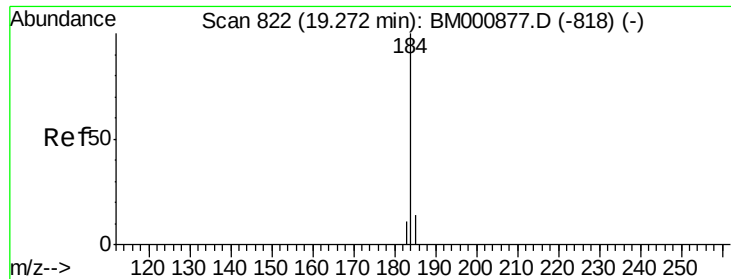


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

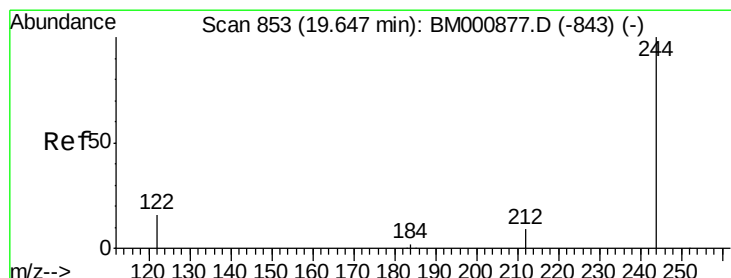
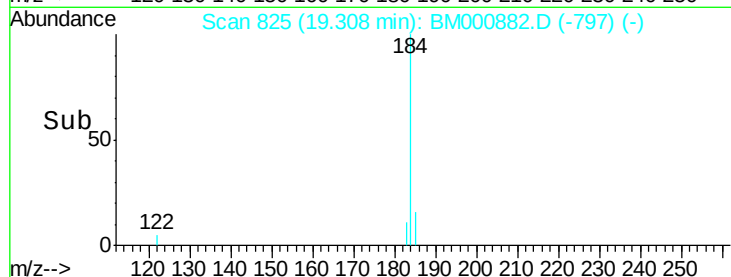
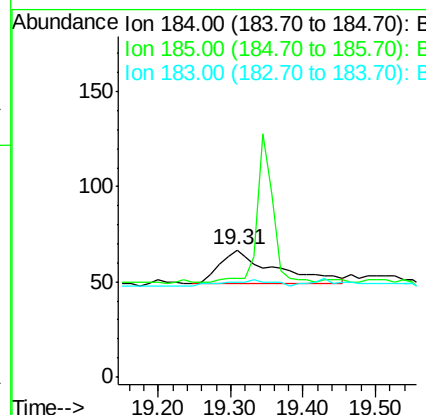
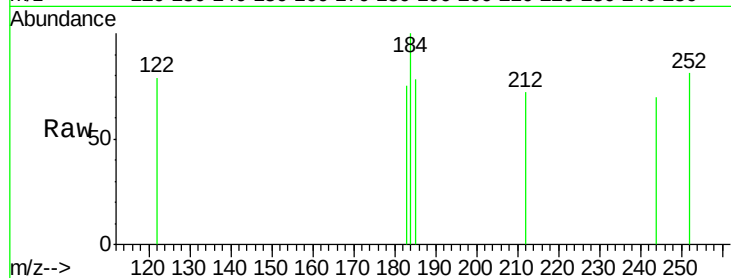




#31
Benzidine
Concen: 0.01 ng
RT: 19.31 min Scan# 825
Delta R.T. 0.04 min
Lab File: BM000882.D
Acq: 07 Apr 2015 16:26

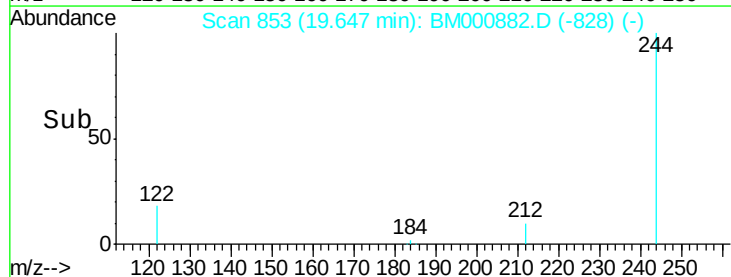
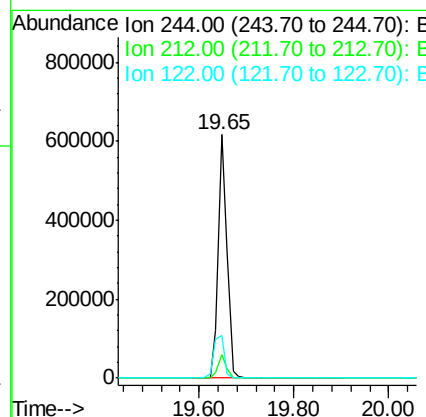
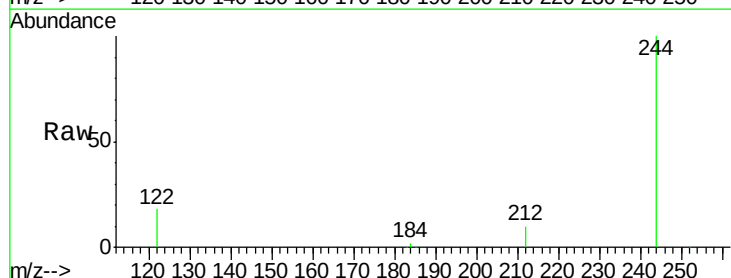
Instrument :
BNA_M
ClientSampleId :
PB82044BL

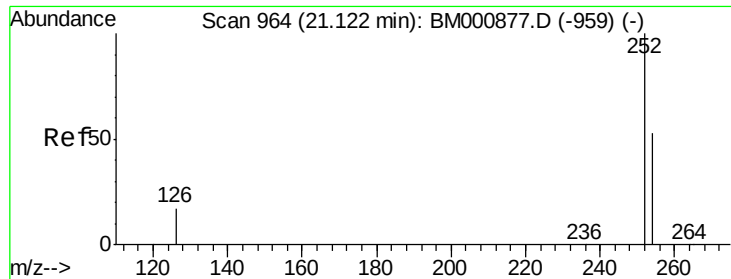
Tgt Ion:184 Resp: 94
Ion Ratio Lower Upper
184 100
185 77.6 14.4 21.6#
183 74.6 12.6 19.0#



#32
Terphenyl-d14
Concen: 84.95 ng
RT: 19.65 min Scan# 853
Delta R.T. 0.00 min
Lab File: BM000882.D
Acq: 07 Apr 2015 16:26

Tgt Ion:244 Resp: 794451
Ion Ratio Lower Upper
244 100
212 9.9 8.1 12.1
122 17.8 13.6 20.4

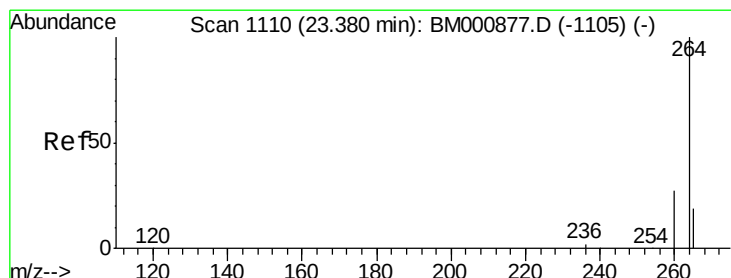
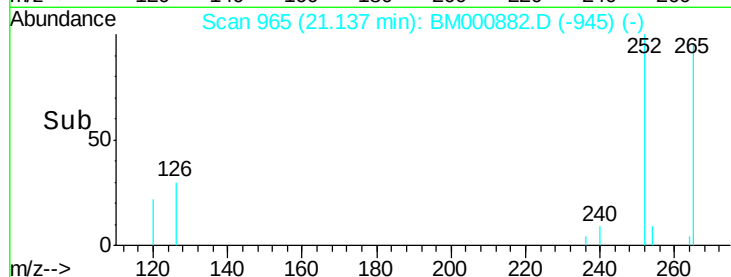
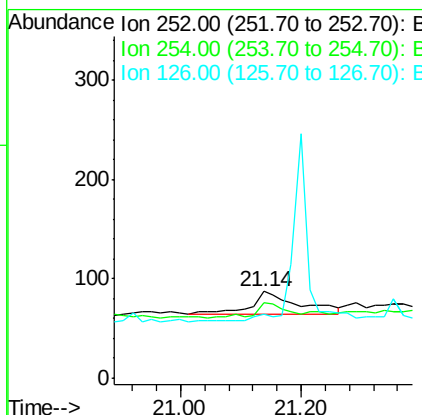
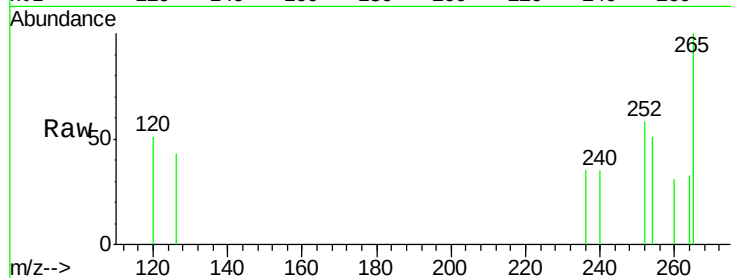




#33
 3,3'-Dichlorobenzidine
 Concen: 0.01 ng
 RT: 21.14 min Scan# 965
 Delta R.T. 0.02 min
 Lab File: BM000882.D
 Acq: 07 Apr 2015 16:26

Instrument :
 BNA_M
 ClientSampleId :
 PB82044BL

Tgt Ion: 252 Resp: 127
 Ion Ratio Lower Upper
 252 100
 254 87.4 43.2 64.8#
 126 73.6 15.5 23.3#



#34
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.38 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: BM000882.D
 Acq: 07 Apr 2015 16:26

Tgt Ion: 264 Resp: 77122
 Ion Ratio Lower Upper
 264 100
 260 27.5 21.6 32.4
 265 20.2 16.1 24.1

