

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040715\
 Data File : BM000880.D
 Acq On : 07 Apr 2015 15:14
 Operator : TP/IZ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC010

Quant Time: Apr 07 15:55:50 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 15:21:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	22126	5.00	ng	0.00
11) Naphthalene-d8	10.39	136	119826	5.00	ng	0.00
19) Acenaphthene-d10	14.26	164	67322	5.00	ng	0.00
26) Phenanthrene-d10	17.00	188	163311	5.00	ng	0.00
30) Chrysene-d12	21.21	240	124019	5.00	ng	0.00
34) Perylene-d12	23.39	264	115741	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	85114	11.71	ng	0.00
5) Phenol-d6	6.77	99	155128	13.90	ng	0.00
12) Nitrobenzene-d5	8.73	82	68258	11.66	ng	-0.04
20) 2,4,6-Tribromophenol	15.77	330	29011	16.02	ng	0.02
23) 2-Fluorobiphenyl	12.87	172	213258	10.32	ng	0.00
32) Terphenyl-d14	19.65	244	167441	11.10	ng	0.00

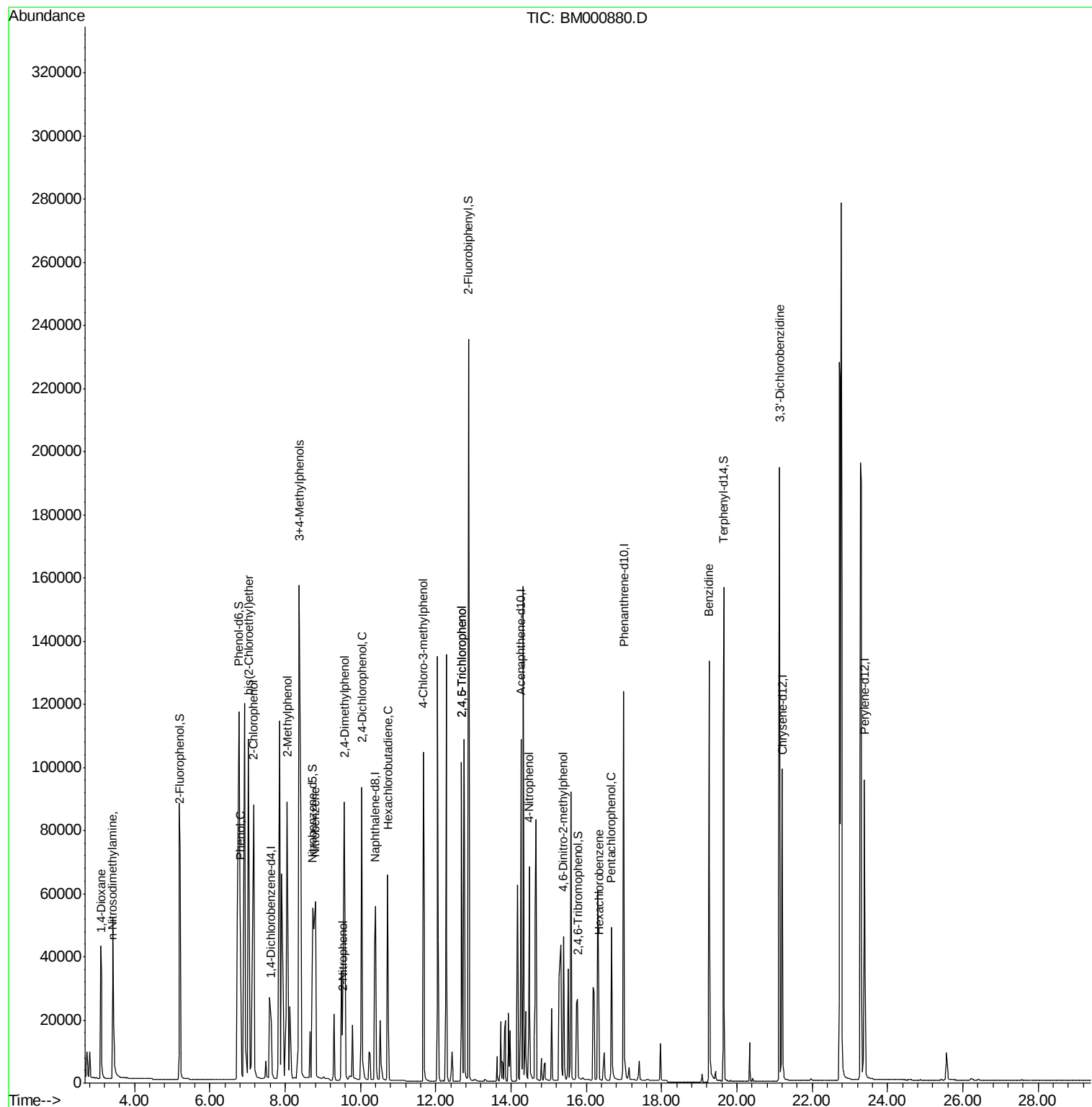
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.12	88	32161	7.61	ng	# 82
3) n-Nitrosodimethylamine	3.41	42	43823	13.94	ng	# 13
6) 2-Chlorophenol	7.17	128	117574	13.33	ng	91
7) Phenol	6.81	94	103709	11.41	ng	85
8) bis(2-Chloroethyl)ether	7.02	93	121583	14.18	ng	# 67
9) 2-Methylphenol	8.06	107	75785	11.36	ng	# 89
10) 3+4-Methylphenols	8.38	107	120177	14.32	ng	88
13) Nitrobenzene	8.80	77	67657	11.45	ng	# 26
14) 2-Nitrophenol	9.52	139	39572	10.52	ng	# 73
15) 2,4-Dimethylphenol	9.58	122	82185	12.30	ng	89
16) 2,4-Dichlorophenol	10.04	162	92468	14.50	ng	87
17) Hexachlorobutadiene	10.72	225	57471	10.61	ng	98
18) 4-Chloro-3-methylphenol	11.67	107	86376	13.75	ng	96
21) 2,4,6-Trichlorophenol	12.69	196	65042	18.83	ng	93
22) 2,4,5-Trichlorophenol	12.69	196	65042	14.58	ng	84
25) 4-Nitrophenol	14.48	139	36441	34.37	ng	95
27) 4,6-Dinitro-2-methylphenol	15.39	198	36385	24.51	ng	93
28) Hexachlorobenzene	16.33	284	71300	9.80	ng	# 47
29) Pentachlorophenol	16.67	266	38698	35.43	ng	88
31) Benzidine	19.26	184	162659	25.83	ng	# 89
33) 3,3'-Dichlorobenzidine	21.13	252	146149	16.69	ng	# 78

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.63 min Scan# 262

Delta R.T. -0.00 min

Lab File: BM000880.D

Acq: 07 Apr 2015 15:14

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

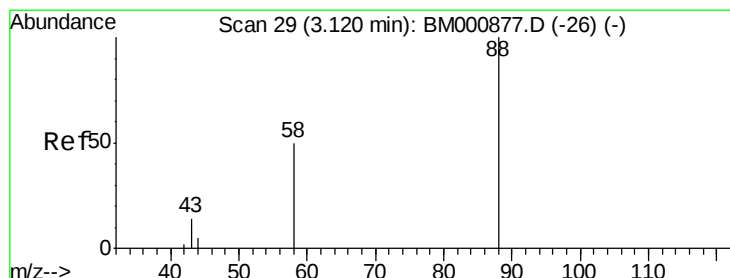
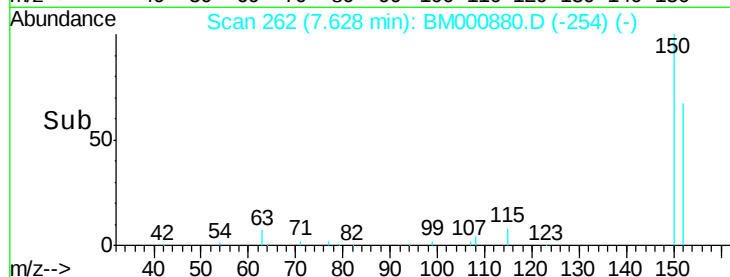
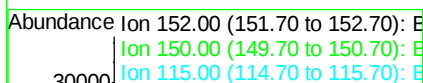
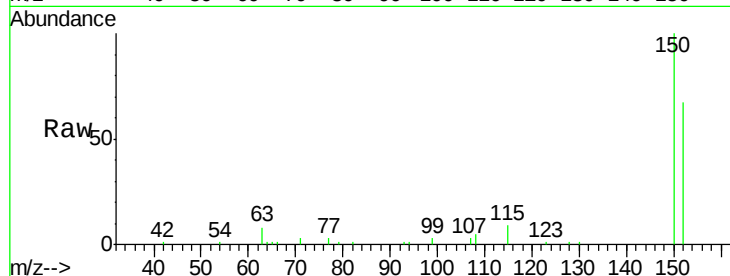
Tgt Ion:152 Resp: 22126

Ion Ratio Lower Upper

152 100

150 148.4 96.5 144.7#

115 12.7 11.9 17.9



#2

1,4-Dioxane

Concen: 7.61 ng

RT: 3.12 min Scan# 29

Delta R.T. -0.00 min

Lab File: BM000880.D

Acq: 07 Apr 2015 15:14

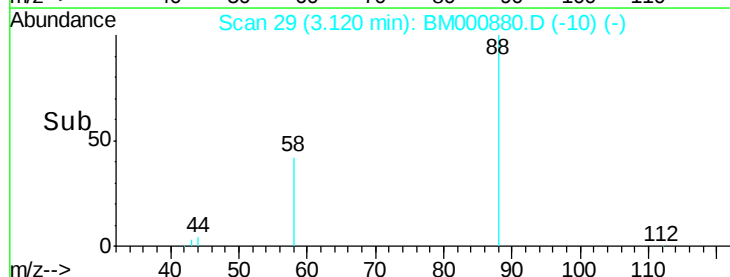
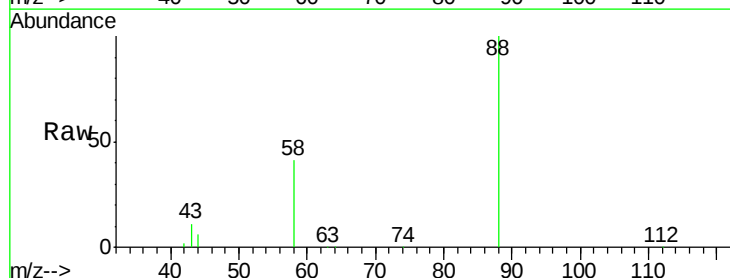
Tgt Ion: 88 Resp: 32161

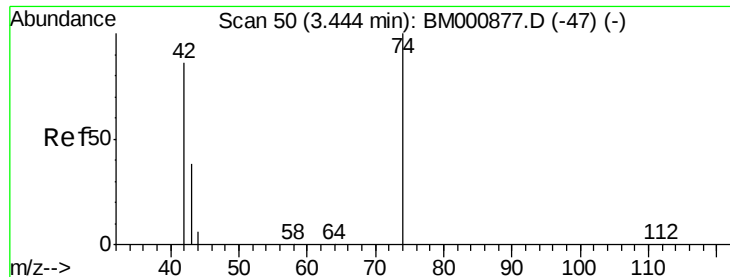
Ion Ratio Lower Upper

88 100

58 89.9 56.7 85.1#

43 35.1 25.0 37.6



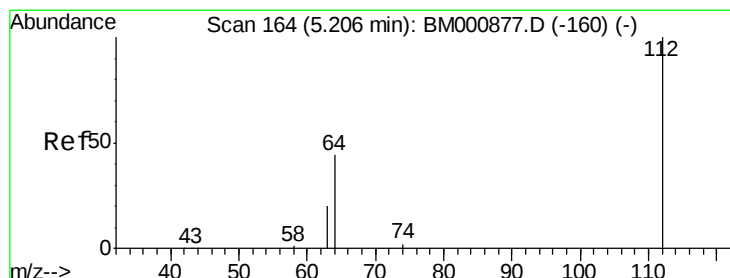
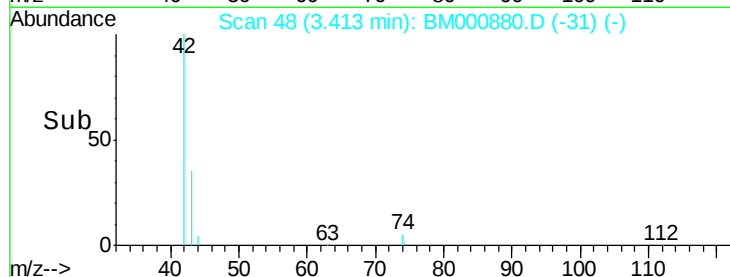
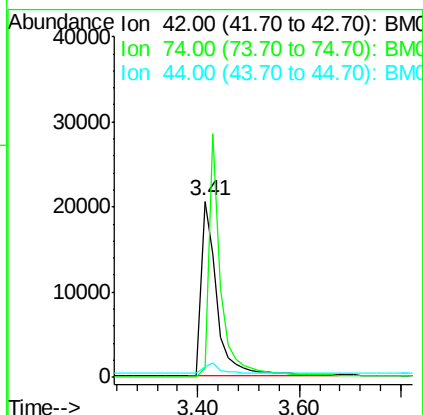
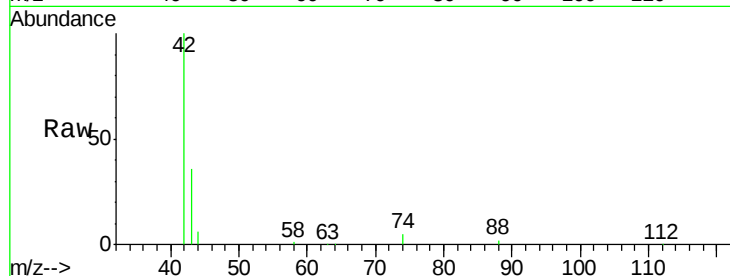


#3

n-Nitrosodimethylamine
 Concen: 13.94 ng
 RT: 3.41 min Scan# 48
 Delta R.T. -0.03 min
 Lab File: BM000880.D
 Acq: 07 Apr 2015 15:14

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC010

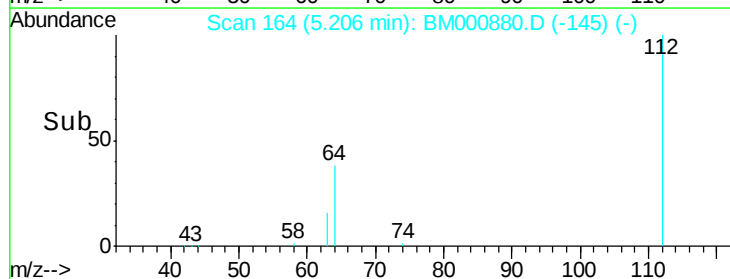
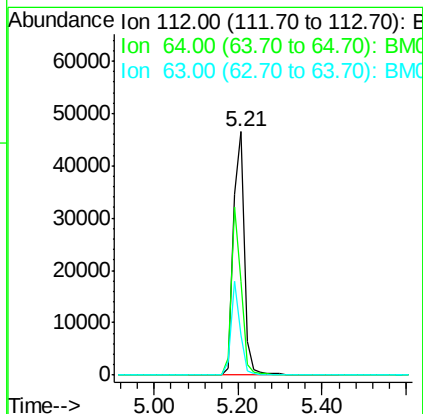
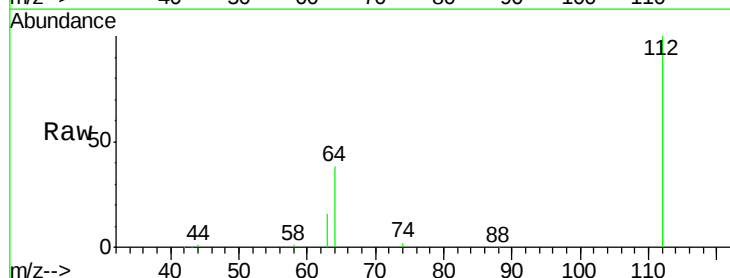
Tgt Ion: 42 Resp: 43823
 Ion Ratio Lower Upper
 42 100
 74 5.5 81.0 121.4#
 44 6.3 53.3 79.9#

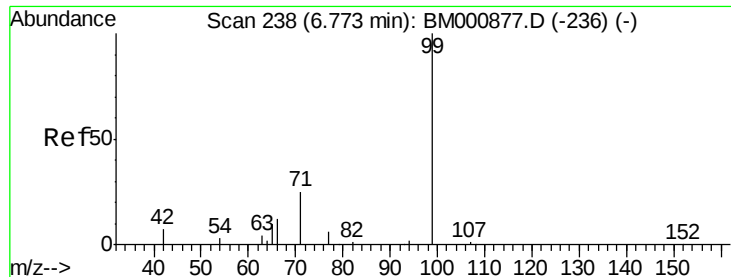


#4

2-Fluorophenol
 Concen: 11.71 ng
 RT: 5.21 min Scan# 164
 Delta R.T. -0.00 min
 Lab File: BM000880.D
 Acq: 07 Apr 2015 15:14

Tgt Ion: 112 Resp: 85114
 Ion Ratio Lower Upper
 112 100
 64 38.3 35.7 53.5
 63 16.3 17.0 25.4#





#5

Phenol-d6

Concen: 13.90 ng

RT: 6.77 min Scan# 238

Delta R.T. -0.00 min

Lab File: BM000880.D

Acq: 07 Apr 2015 15:14

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

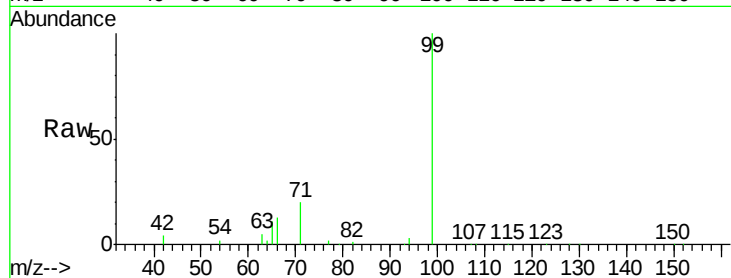
Tgt Ion: 99 Resp: 155128

Ion Ratio Lower Upper

99 100

42 4.3 7.5 11.3#

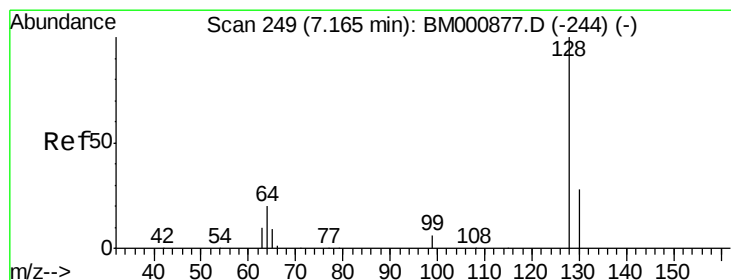
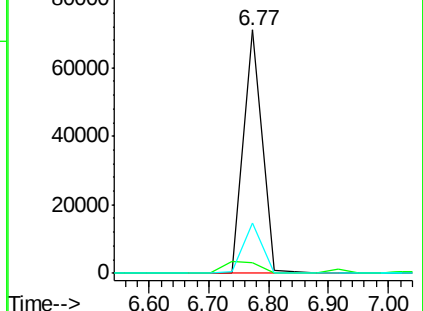
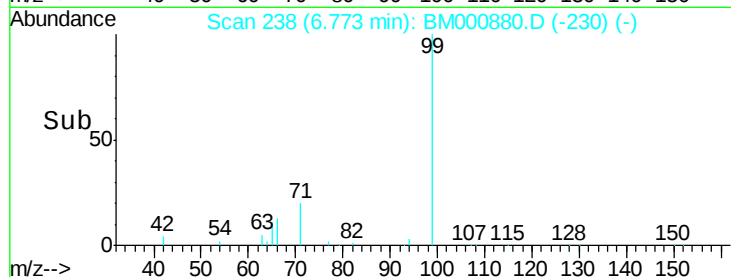
71 20.5 21.3 31.9#



Abundance Ion 99.00 (98.70 to 99.70): BM000880.D (-236) (-)

Ion 42.00 (41.70 to 42.70): BM000880.D (-236) (-)

Ion 71.00 (70.70 to 71.70): BM000880.D (-236) (-)



#6

2-Chlorophenol

Concen: 13.33 ng

RT: 7.17 min Scan# 249

Delta R.T. -0.00 min

Lab File: BM000880.D

Acq: 07 Apr 2015 15:14

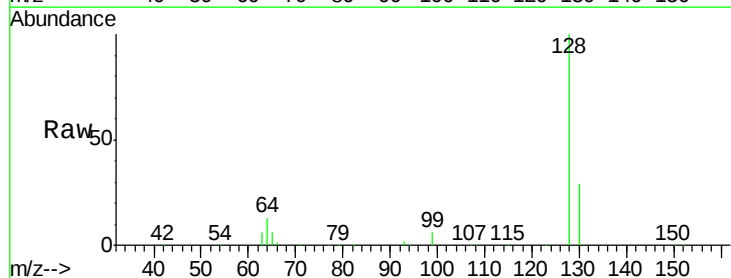
Tgt Ion: 128 Resp: 117574

Ion Ratio Lower Upper

128 100

130 28.9 9.4 49.4

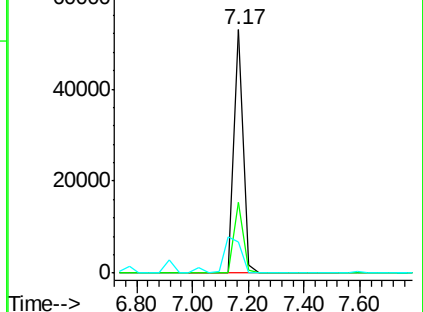
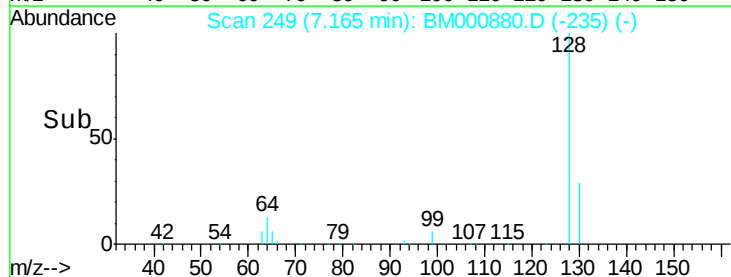
64 12.8 2.1 42.1

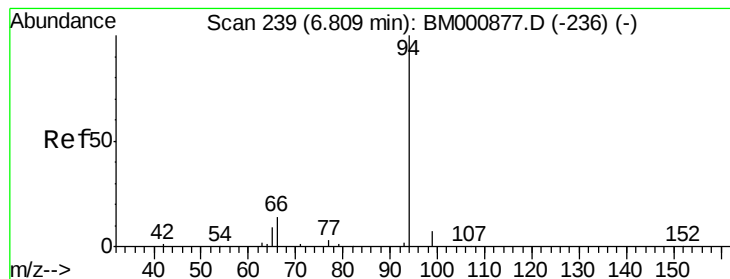


Abundance Ion 128.00 (127.70 to 128.70): BM000880.D (-244) (-)

Ion 130.00 (129.70 to 130.70): BM000880.D (-244) (-)

Ion 64.00 (63.70 to 64.70): BM000880.D (-244) (-)





#7

Phenol

Concen: 11.41 ng

RT: 6.81 min Scan# 239

Delta R.T. -0.00 min

Lab File: BM000880.D

Acq: 07 Apr 2015 15:14

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

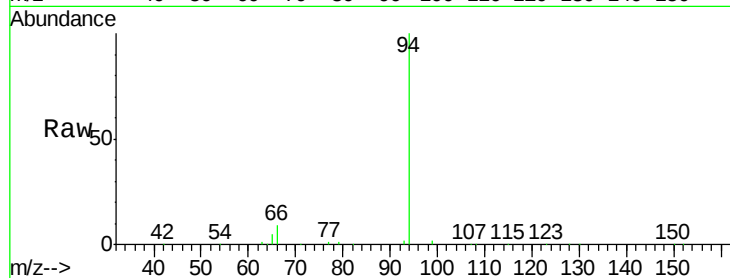
Tgt Ion: 94 Resp: 103709

Ion Ratio Lower Upper

94 100

65 5.4 0.0 30.9

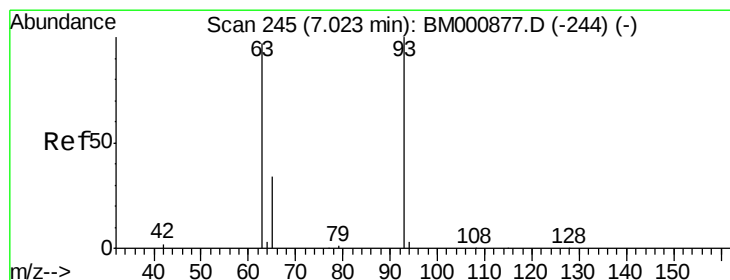
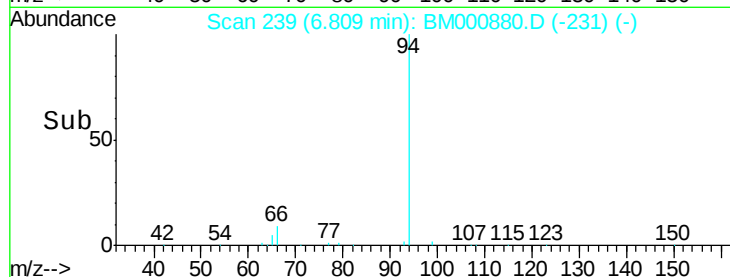
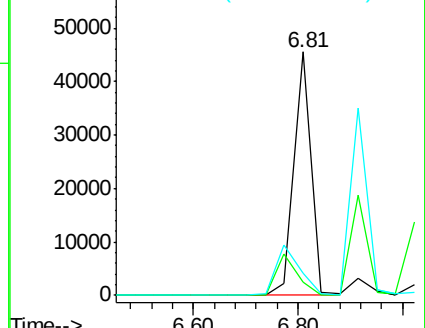
66 9.1 0.0 35.8



Abundance Ion 94.00 (93.70 to 94.70): BM000880.D (-231) (-)

Ion 65.00 (64.70 to 65.70): BM000880.D (-231) (-)

Ion 66.00 (65.70 to 66.70): BM000880.D (-231) (-)



#8

bis(2-Chloroethyl)ether

Concen: 14.18 ng

RT: 7.02 min Scan# 245

Delta R.T. -0.00 min

Lab File: BM000880.D

Acq: 07 Apr 2015 15:14

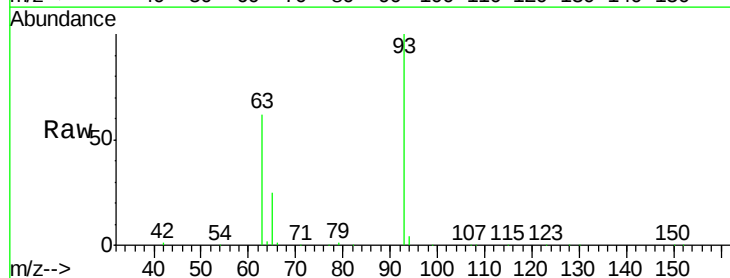
Tgt Ion: 93 Resp: 121583

Ion Ratio Lower Upper

93 100

63 61.6 73.3 113.3#

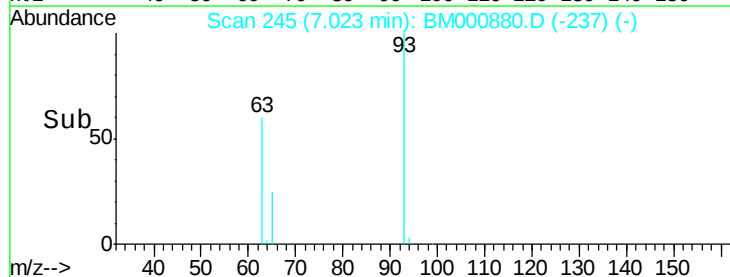
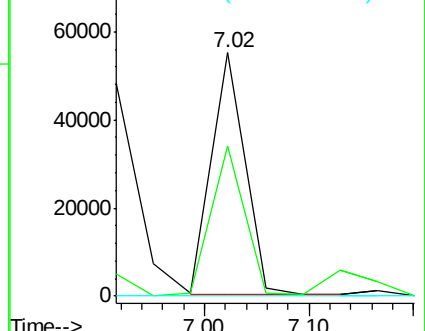
95 0.0 0.0 20.0

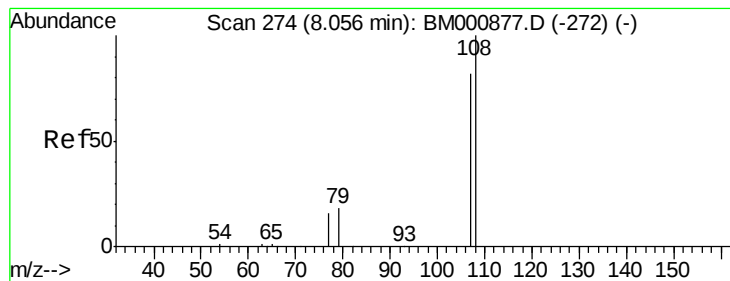


Abundance Ion 93.00 (92.70 to 93.70): BM000880.D (-237) (-)

Ion 63.00 (62.70 to 63.70): BM000880.D (-237) (-)

Ion 95.00 (94.70 to 95.70): BM000880.D (-237) (-)





#9

2-Methylphenol

Concen: 11.36 ng

RT: 8.06 min Scan# 274

Delta R.T. -0.00 min

Lab File: BM000880.D

Acq: 07 Apr 2015 15:14

Instrument :

BNA_M

ClientSampleId :

SSTDIC010

Tgt Ion:107 Resp: 75785

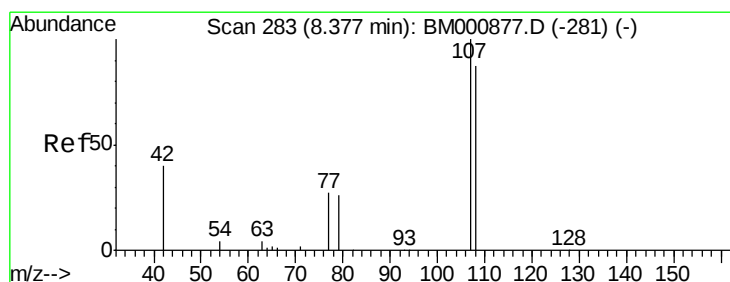
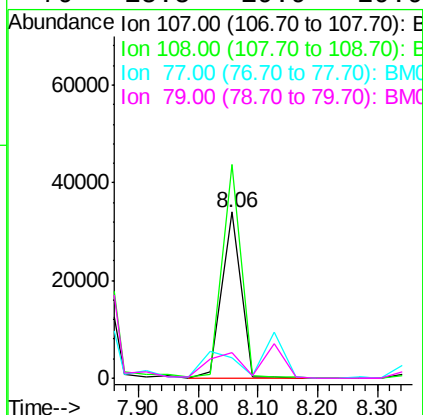
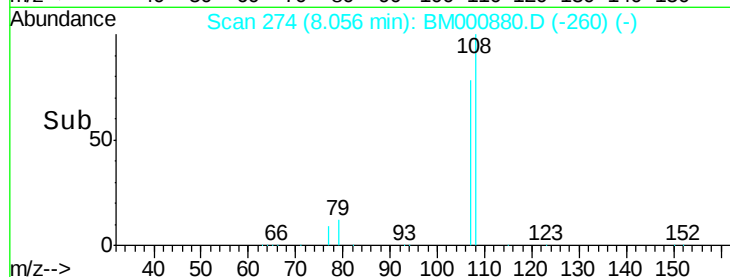
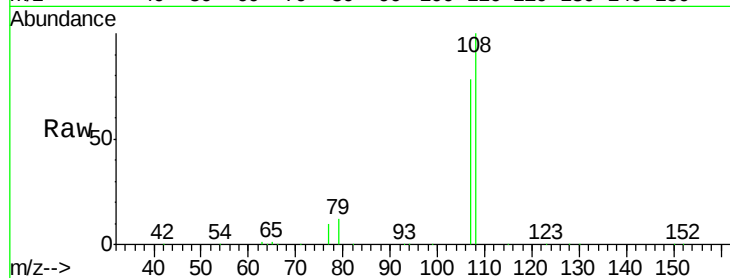
Ion Ratio Lower Upper

107 100

108 128.5 96.7 145.1

77 12.4 18.3 27.5#

79 15.5 19.9 29.9#



#10

3+4-Methylphenols

Concen: 14.32 ng

RT: 8.38 min Scan# 283

Delta R.T. -0.00 min

Lab File: BM000880.D

Acq: 07 Apr 2015 15:14

Tgt Ion:107 Resp: 120177

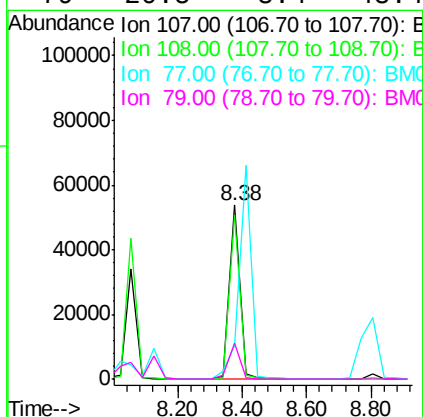
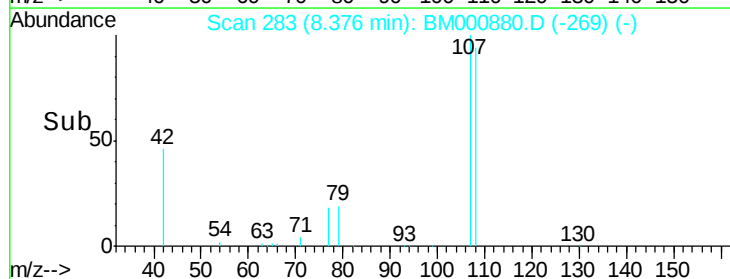
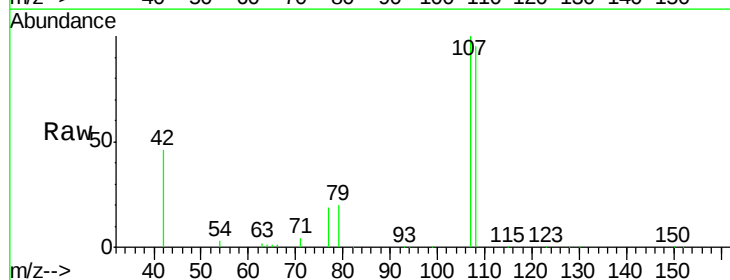
Ion Ratio Lower Upper

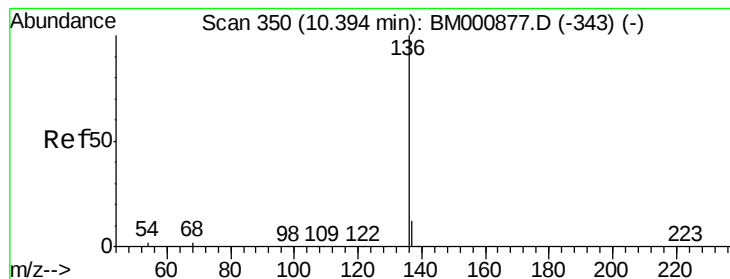
107 100

108 94.6 67.6 107.6

77 19.1 10.0 50.0

79 20.5 8.4 48.4





#11

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 350

Delta R.T. -0.00 min

Lab File: BM000880.D

Acq: 07 Apr 2015 15:14

Instrument :

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Tgt Ion:136 Resp: 119826

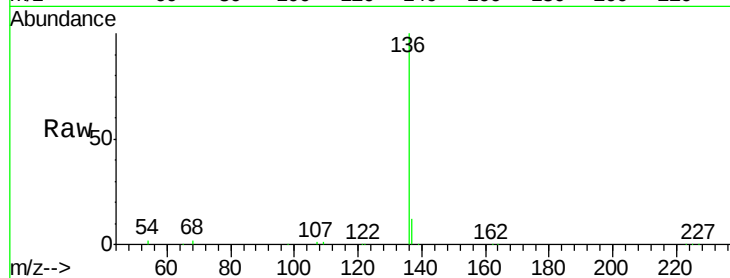
Ion Ratio Lower Upper

136 100

137 12.2 9.6 14.4

54 1.6 1.5 2.3

68 1.8 1.6 2.4

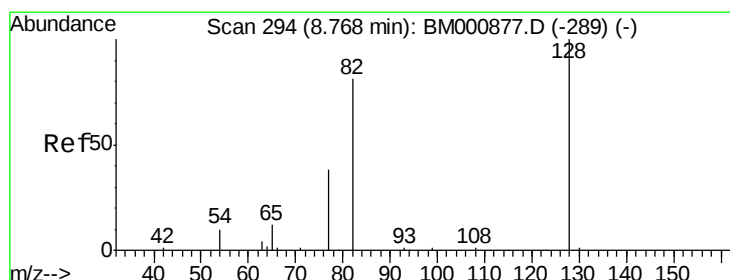
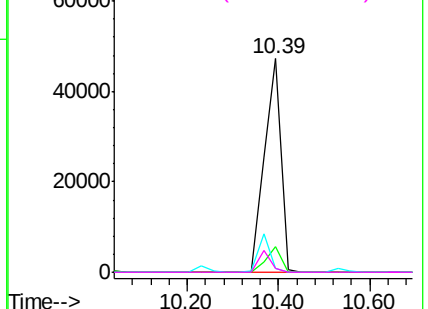
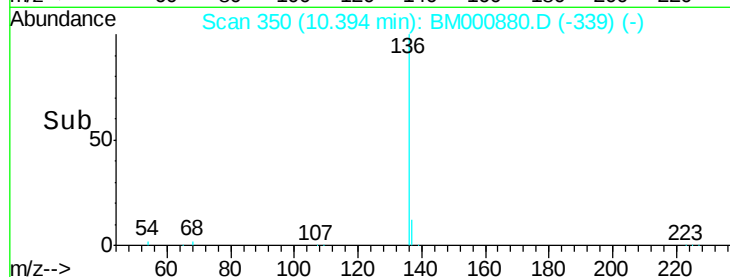


Abundance Ion 136.00 (135.70 to 136.70): E

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: 11.66 ng

RT: 8.73 min Scan# 293

Delta R.T. -0.04 min

Lab File: BM000880.D

Acq: 07 Apr 2015 15:14

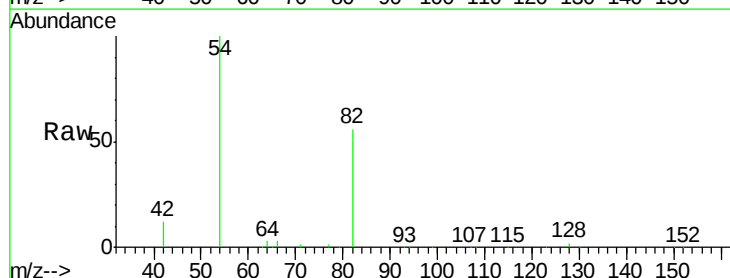
Tgt Ion: 82 Resp: 68258

Ion Ratio Lower Upper

82 100

128 2.9 96.2 144.2#

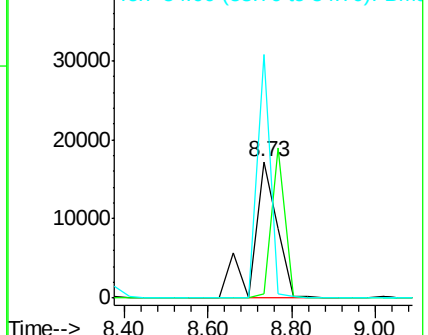
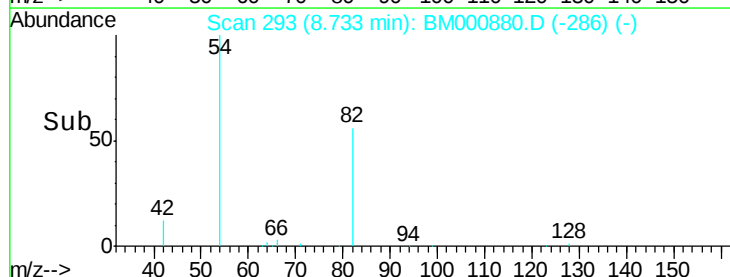
54 178.9 15.0 22.6#

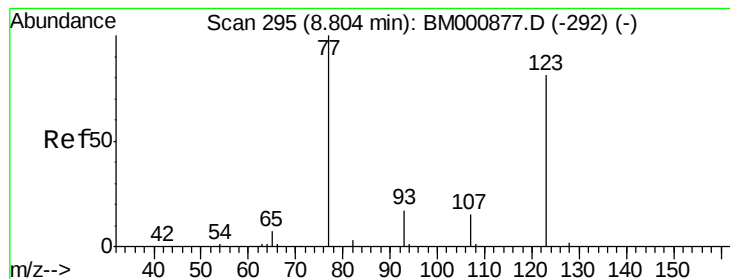


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#13

Nitrobenzene

Concen: 11.45 ng

RT: 8.80 min Scan# 295

Delta R.T. -0.00 min

Lab File: BM000880.D

Acq: 07 Apr 2015 15:14

Instrument :

BNA_M

ClientSampleId :

SSTDIC010

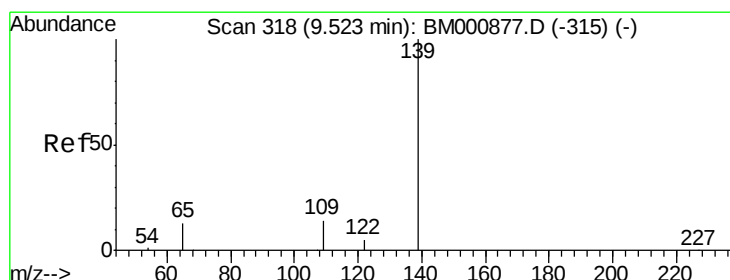
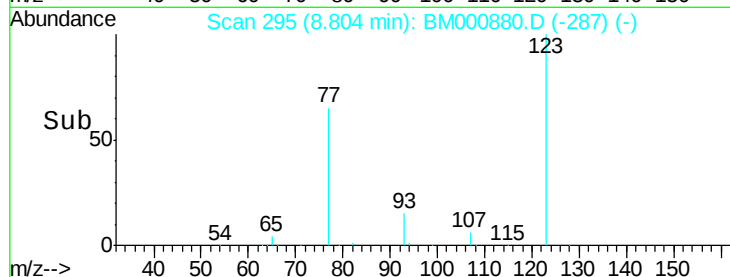
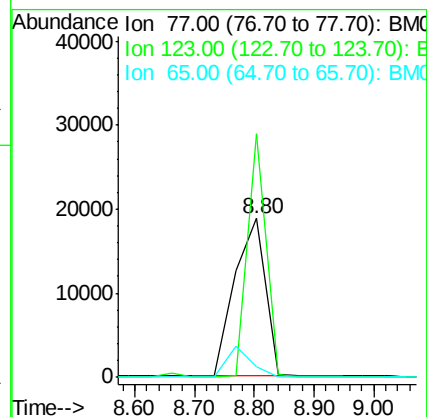
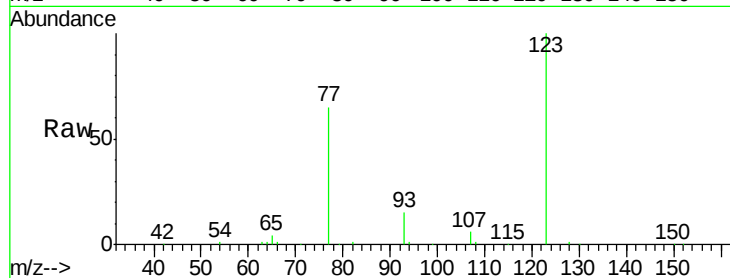
Tgt Ion: 77 Resp: 67657

Ion Ratio Lower Upper

77 100

123 153.3 64.0 96.0#

65 6.5 8.7 13.1#



#14

2-Nitrophenol

Concen: 10.52 ng

RT: 9.52 min Scan# 318

Delta R.T. -0.00 min

Lab File: BM000880.D

Acq: 07 Apr 2015 15:14

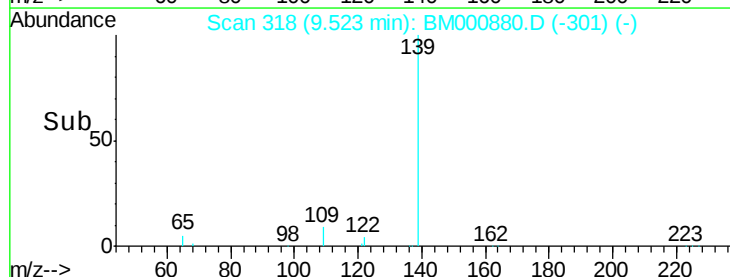
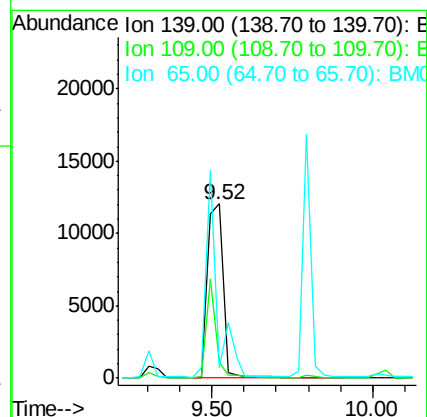
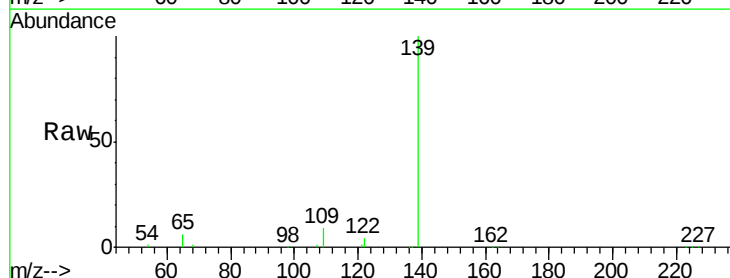
Tgt Ion: 139 Resp: 39572

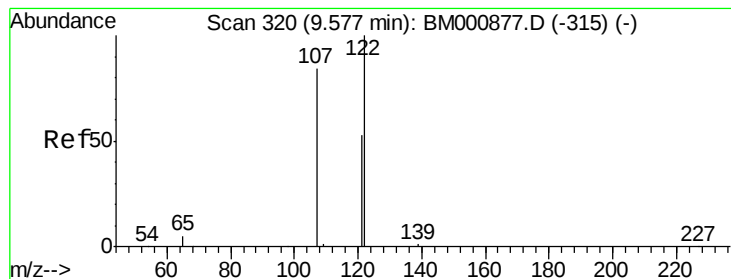
Ion Ratio Lower Upper

139 100

109 9.3 15.8 23.8#

65 6.0 16.2 24.2#





#15

2,4-Dimethylphenol

Concen: 12.30 ng

RT: 9.58 min Scan# 320

Delta R.T. -0.00 min

Lab File: BM000880.D

Acq: 07 Apr 2015 15:14

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

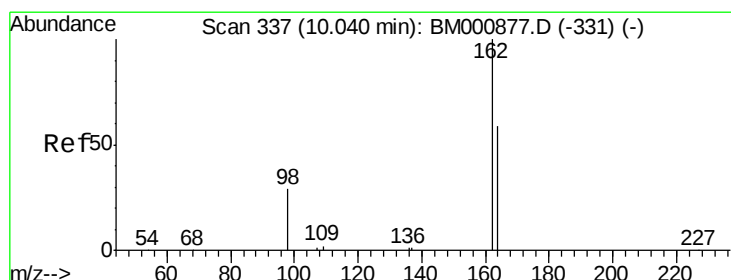
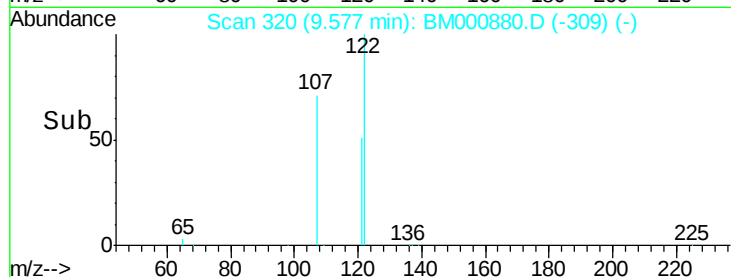
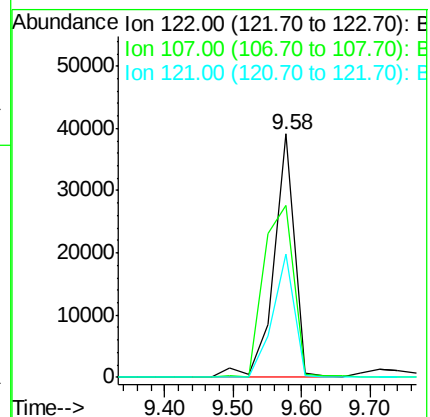
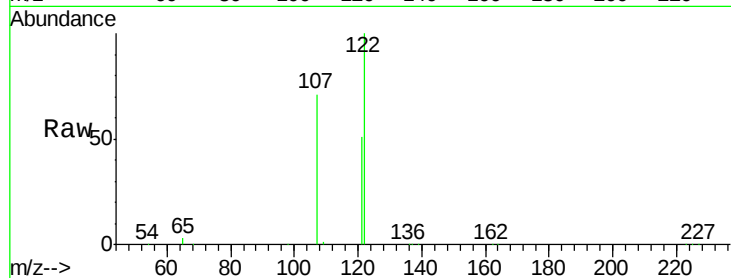
Tgt Ion:122 Resp: 82185

Ion Ratio Lower Upper

122 100

107 70.7 67.4 101.2

121 50.7 43.5 65.3



#16

2,4-Dichlorophenol

Concen: 14.50 ng

RT: 10.04 min Scan# 337

Delta R.T. -0.00 min

Lab File: BM000880.D

Acq: 07 Apr 2015 15:14

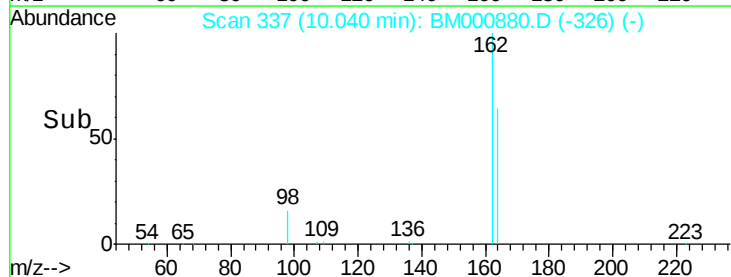
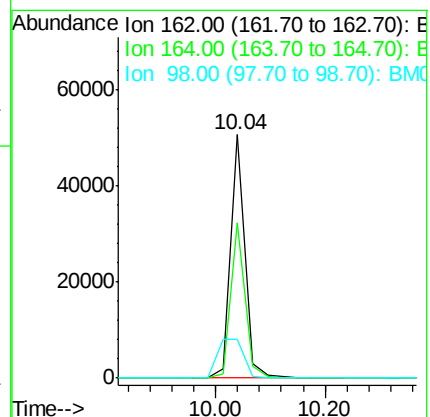
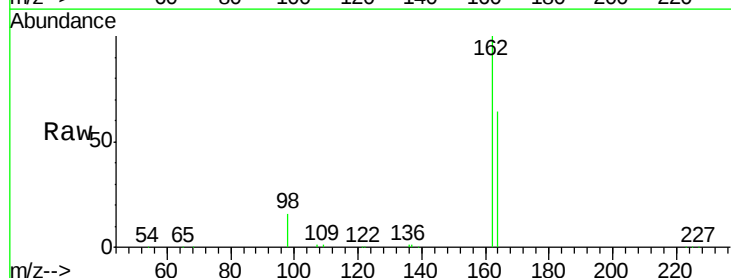
Tgt Ion:162 Resp: 92468

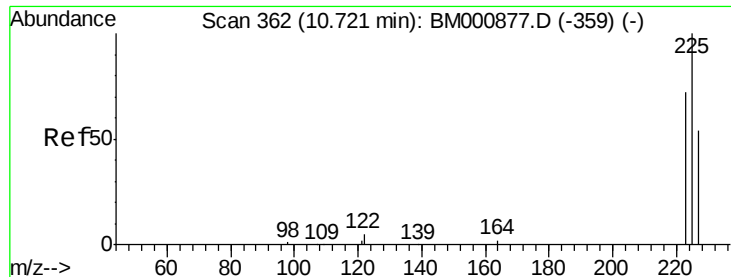
Ion Ratio Lower Upper

162 100

164 63.9 39.9 79.9

98 16.0 11.3 51.3

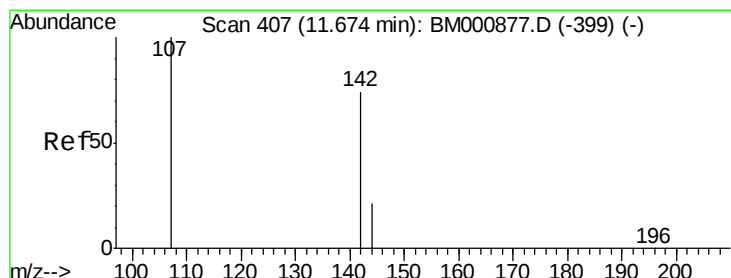
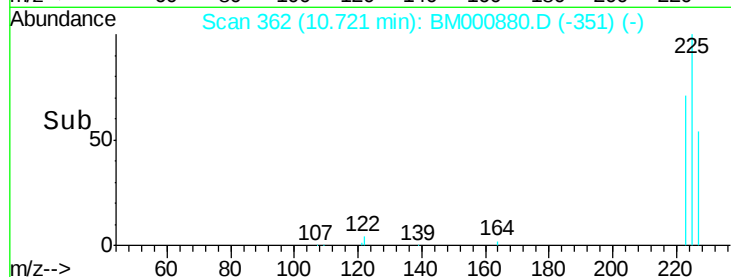
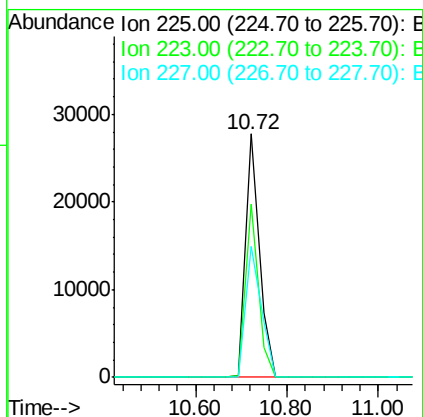
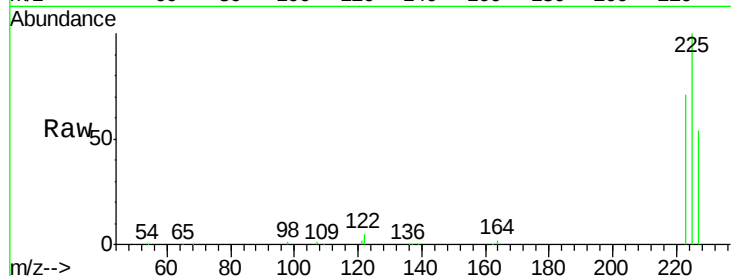




#17
Hexachlorobutadiene
Concen: 10.61 ng
RT: 10.72 min Scan# 362
Delta R.T. -0.00 min
Lab File: BM000880.D
Acq: 07 Apr 2015 15:14

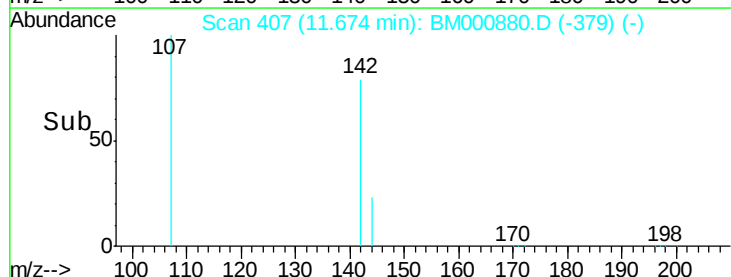
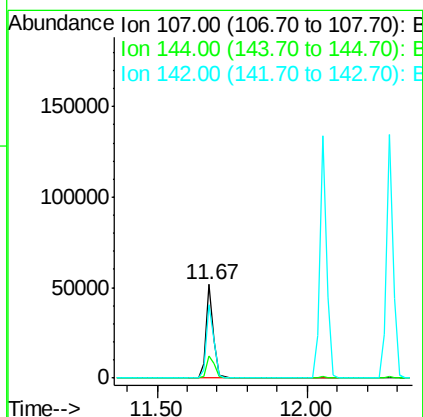
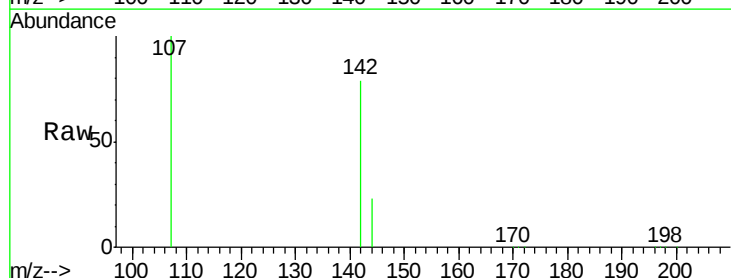
Instrument :
BNA_M
ClientSampleId :
SSTDIC010

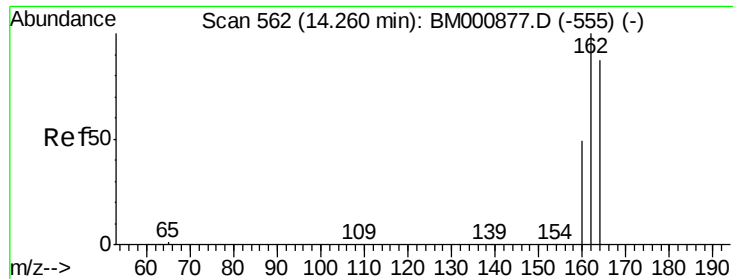
Tgt Ion: 225 Resp: 57471
Ion Ratio Lower Upper
225 100
223 71.4 58.3 87.5
227 54.0 44.5 66.7



#18
4-Chloro-3-methylphenol
Concen: 13.75 ng
RT: 11.67 min Scan# 407
Delta R.T. -0.00 min
Lab File: BM000880.D
Acq: 07 Apr 2015 15:14

Tgt Ion: 107 Resp: 86376
Ion Ratio Lower Upper
107 100
144 23.5 18.4 27.6
142 78.6 59.9 89.9

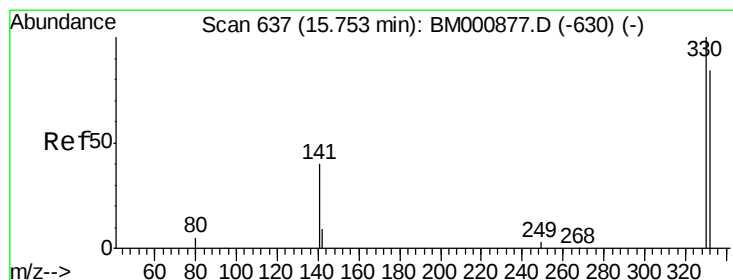
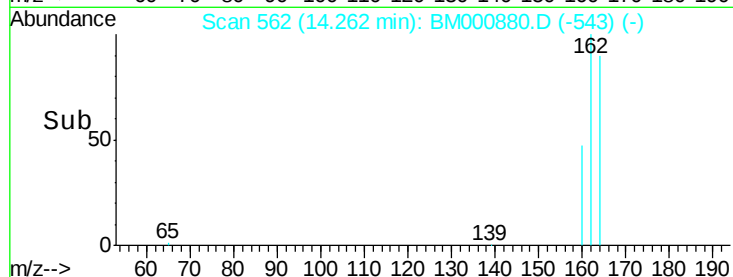
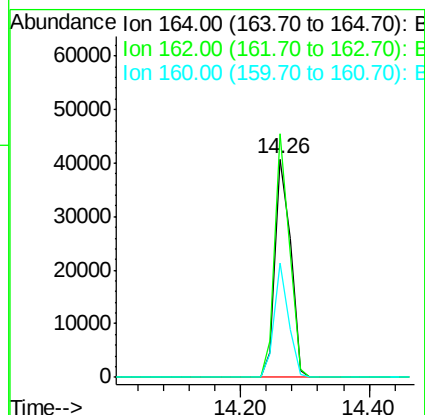
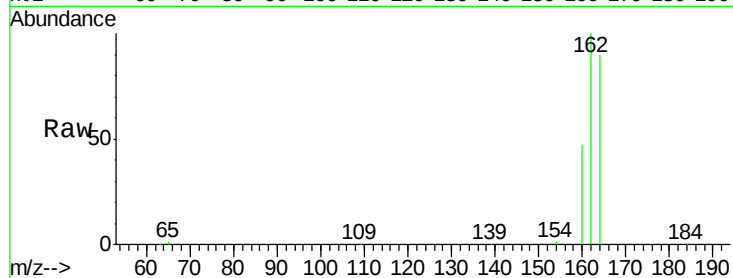




#19
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.26 min Scan# 562
Delta R.T. 0.00 min
Lab File: BM000880.D
Acq: 07 Apr 2015 15:14

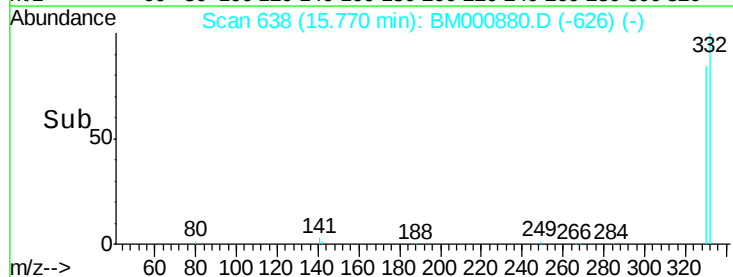
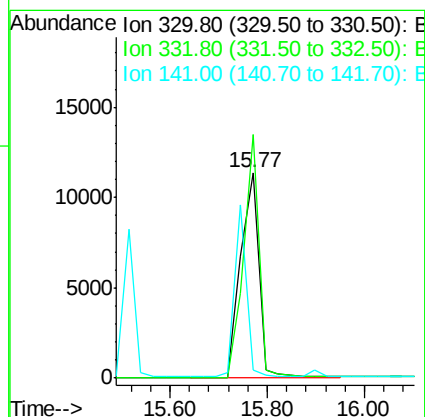
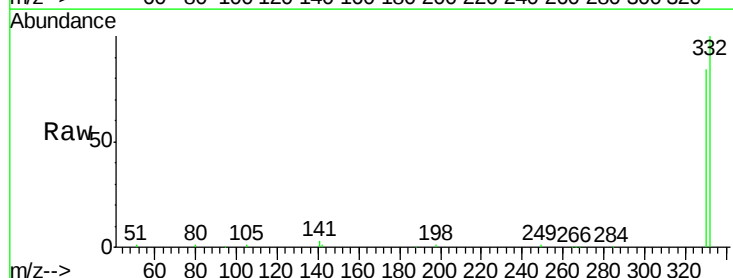
Instrument :
BNA_M
ClientSampleId :
SSTDICC010

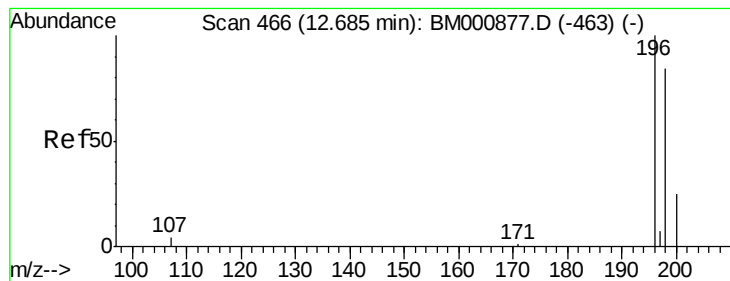
Tgt Ion:164 Resp: 67322
Ion Ratio Lower Upper
164 100
162 111.5 91.8 137.6
160 52.4 44.6 67.0



#20
2,4,6-Tribromophenol
Concen: 16.02 ng
RT: 15.77 min Scan# 638
Delta R.T. 0.02 min
Lab File: BM000880.D
Acq: 07 Apr 2015 15:14

Tgt Ion:330 Resp: 29011
Ion Ratio Lower Upper
330 100
332 100.4 72.6 109.0
141 0.0 29.8 44.6#

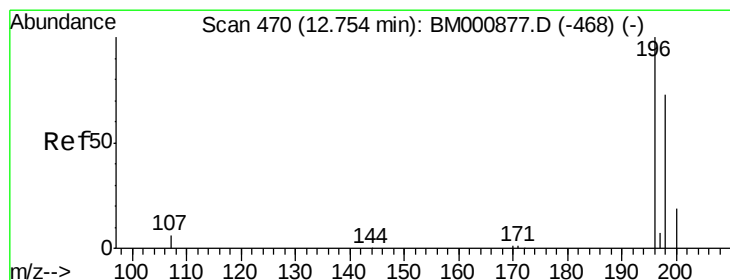
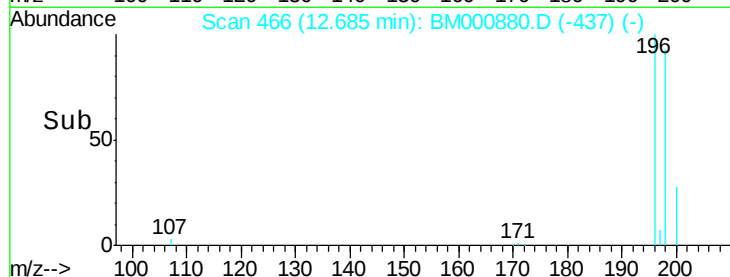
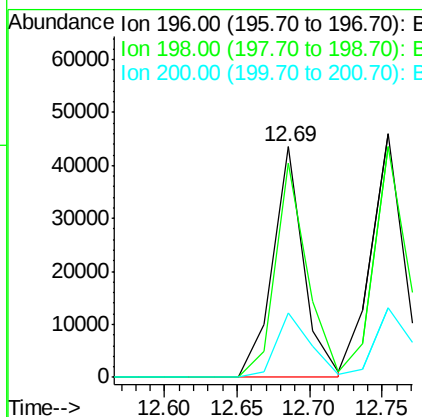
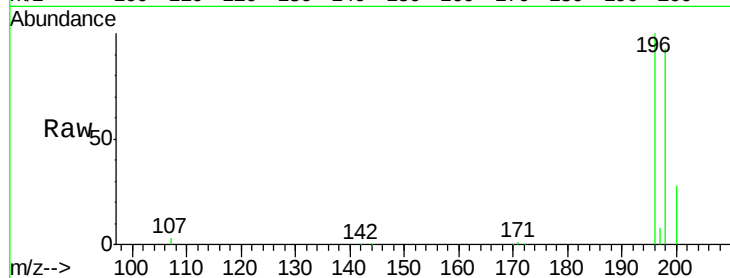




#21
 2,4,6-Trichlorophenol
 Concen: 18.83 ng
 RT: 12.69 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: BM000880.D
 Acq: 07 Apr 2015 15:14

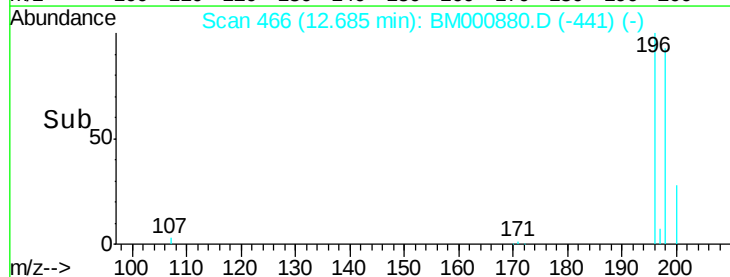
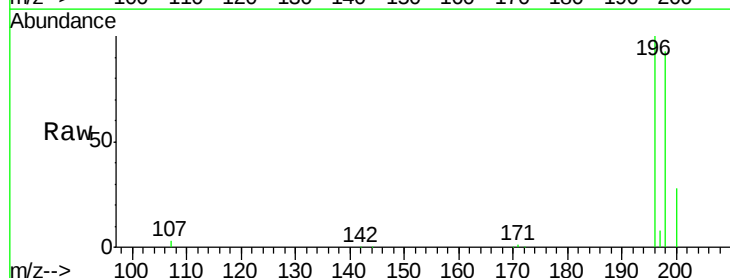
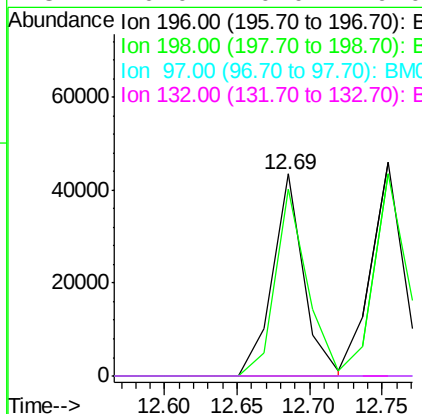
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC010

Tgt Ion:196 Resp: 65042
 Ion Ratio Lower Upper
 196 100
 198 92.8 67.5 101.3
 200 28.2 22.1 33.1



#22
 2,4,5-Trichlorophenol
 Concen: 14.58 ng
 RT: 12.69 min Scan# 466
 Delta R.T. -0.07 min
 Lab File: BM000880.D
 Acq: 07 Apr 2015 15:14

Tgt Ion:196 Resp: 65042
 Ion Ratio Lower Upper
 196 100
 198 92.8 62.7 94.1
 97 0.0 0.0 0.0
 132 0.0 0.0 0.0

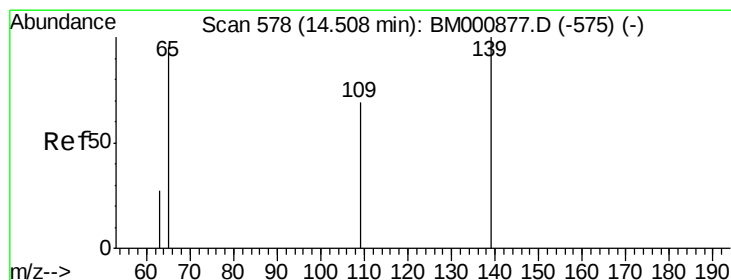
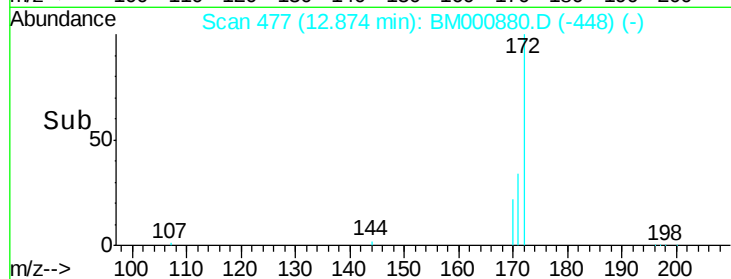
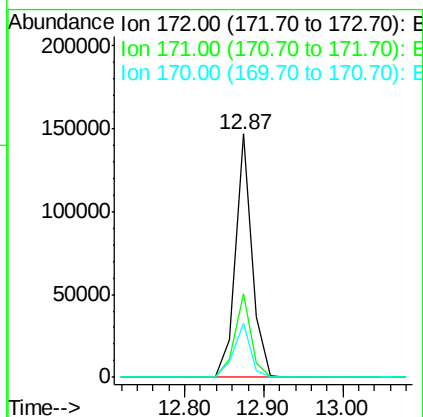
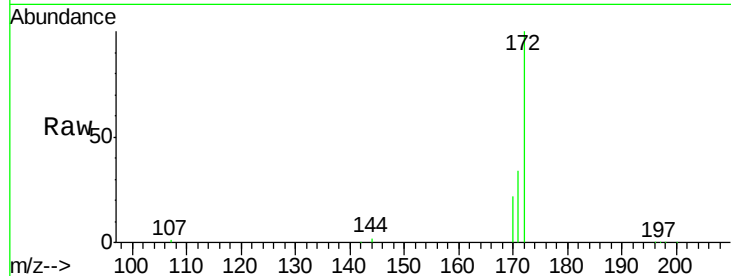




#23
2-Fluorobiphenyl
Concen: 10.32 ng
RT: 12.87 min Scan# 477
Delta R.T. -0.00 min
Lab File: BM000880.D
Acq: 07 Apr 2015 15:14

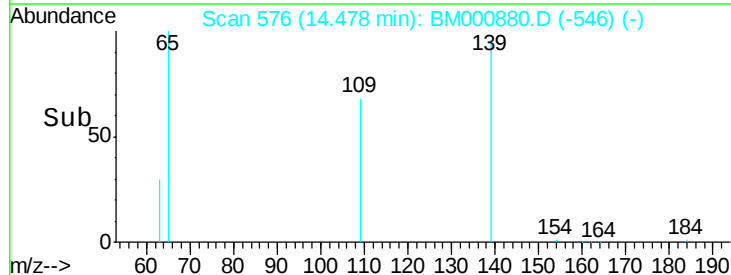
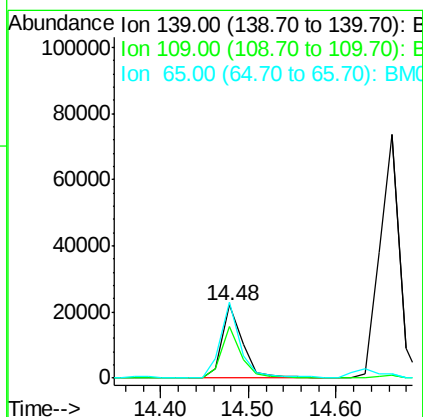
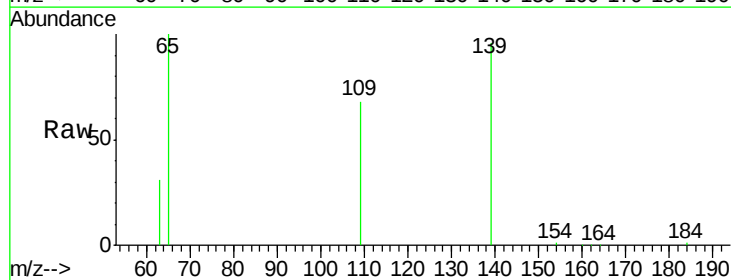
Instrument :
BNA_M
ClientSampleId :
SSTDIC010

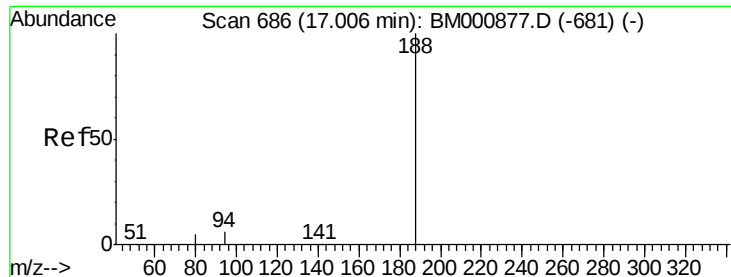
Tgt Ion:172 Resp: 213258
Ion Ratio Lower Upper
172 100
171 34.3 27.8 41.8
170 22.3 19.0 28.6



#25
4-Nitrophenol
Concen: 34.37 ng
RT: 14.48 min Scan# 576
Delta R.T. -0.03 min
Lab File: BM000880.D
Acq: 07 Apr 2015 15:14

Tgt Ion:139 Resp: 36441
Ion Ratio Lower Upper
139 100
109 71.5 58.4 98.4
65 104.4 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: BM000880.D

Acq: 07 Apr 2015 15:14

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

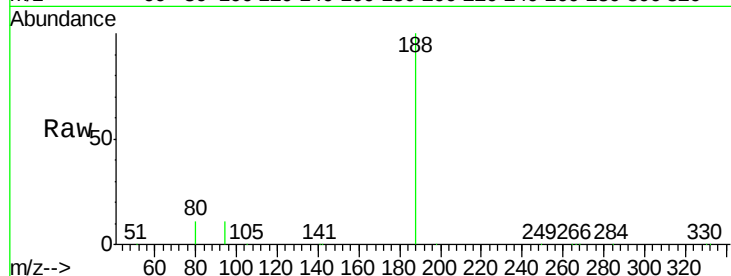
Tgt Ion:188 Resp: 163311

Ion Ratio Lower Upper

188 100

94 10.7 4.9 7.3#

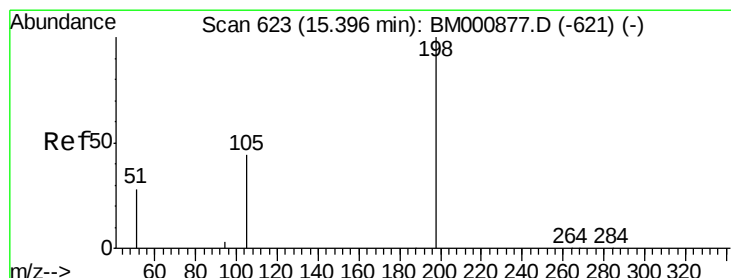
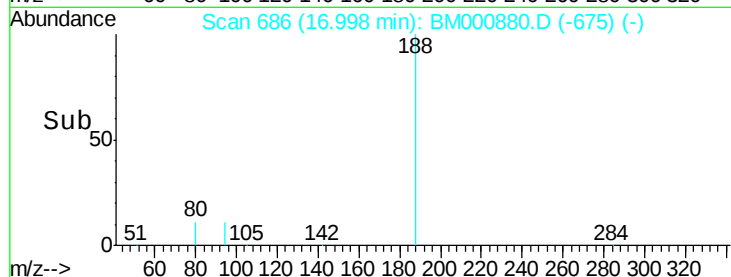
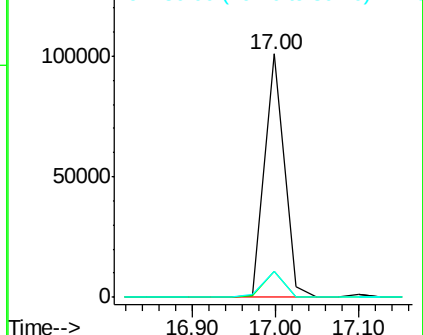
80 10.9 4.4 6.6#



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



#27

4,6-Dinitro-2-methylphenol

Concen: 24.51 ng

RT: 15.39 min Scan# 623

Delta R.T. -0.01 min

Lab File: BM000880.D

Acq: 07 Apr 2015 15:14

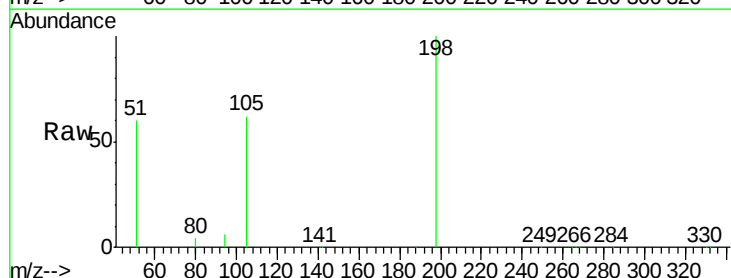
Tgt Ion:198 Resp: 36385

Ion Ratio Lower Upper

198 100

51 60.2 44.6 84.6

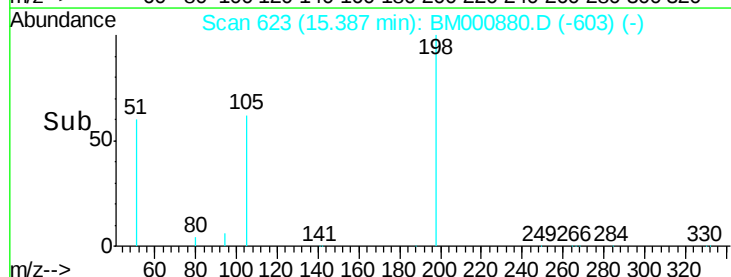
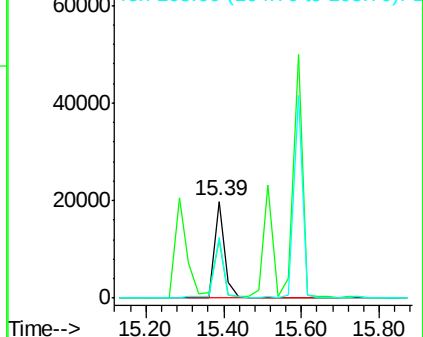
105 62.1 36.0 76.0

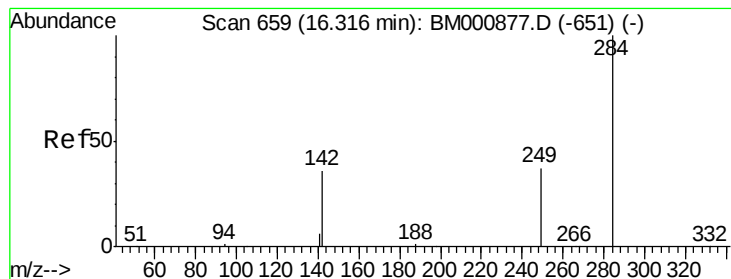


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM0

Ion 105.00 (104.70 to 105.70): E





#28

Hexachlorobenzene

Concen: 9.80 ng

RT: 16.33 min Scan# 660

Delta R.T. 0.02 min

Lab File: BM000880.D

Acq: 07 Apr 2015 15:14

Instrument :

BNA_M

ClientSampleId :

SSTDIC010

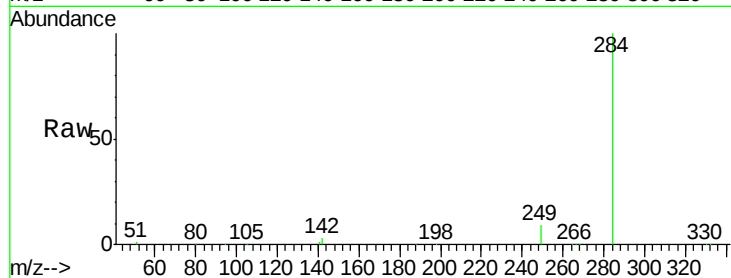
Tgt Ion:284 Resp: 71300

Ion Ratio Lower Upper

284 100

142 3.2 29.8 44.8#

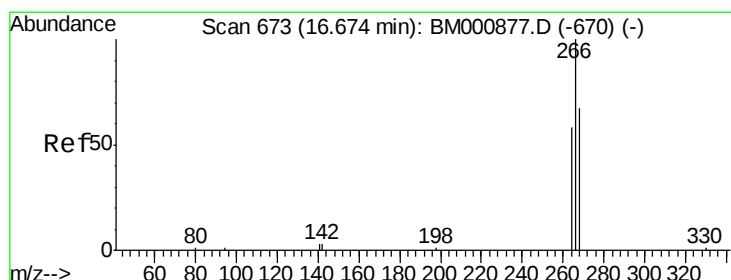
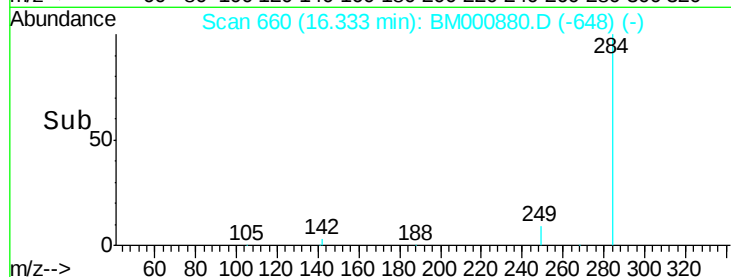
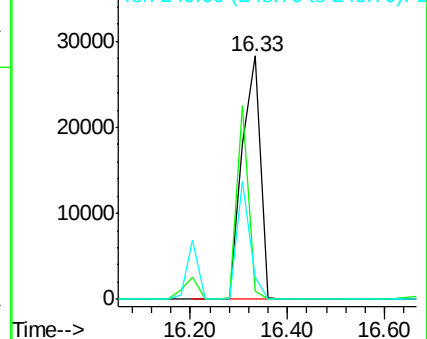
249 9.2 31.0 46.4#



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: 35.43 ng

RT: 16.67 min Scan# 673

Delta R.T. -0.01 min

Lab File: BM000880.D

Acq: 07 Apr 2015 15:14

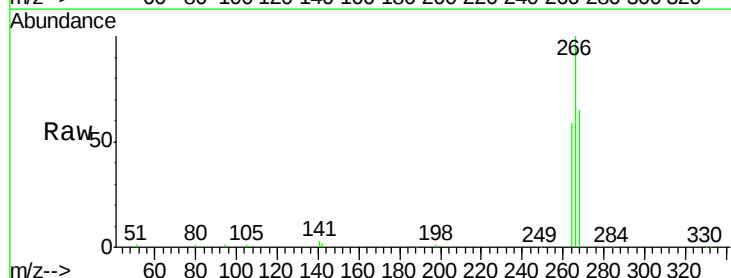
Tgt Ion:266 Resp: 38698

Ion Ratio Lower Upper

266 100

268 65.3 61.8 92.8

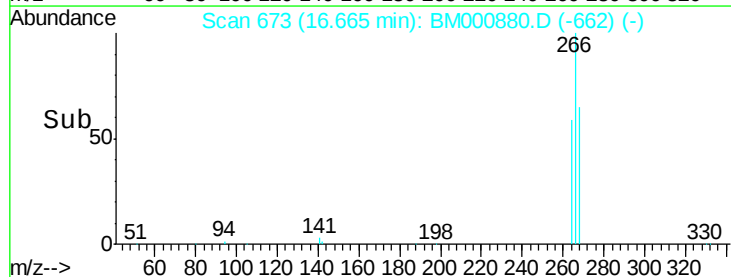
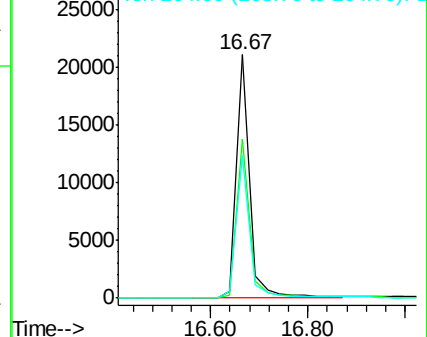
264 58.7 53.8 80.6

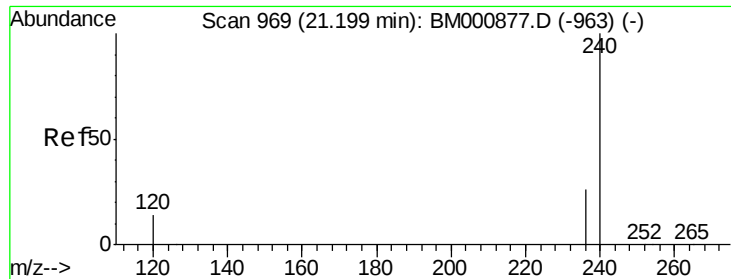


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

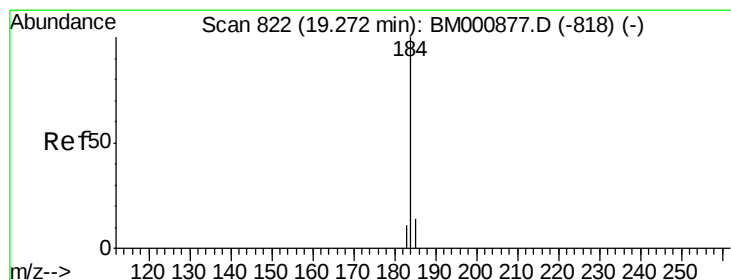
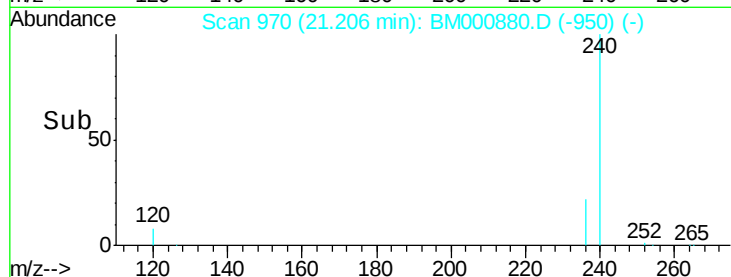
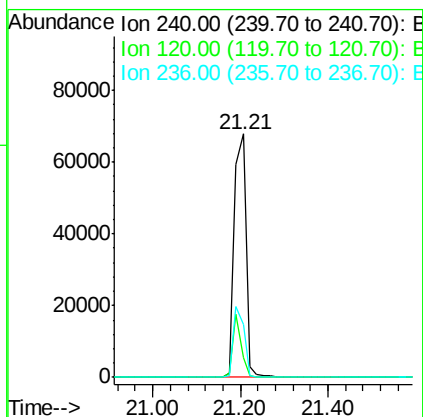
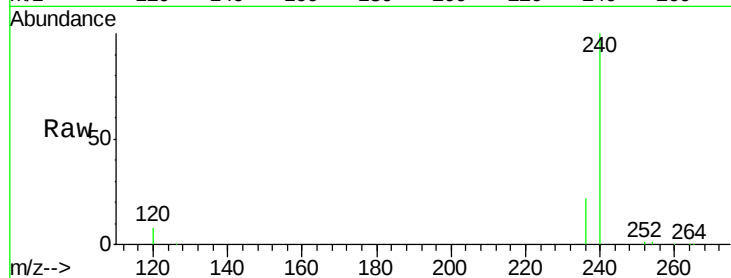




#30
Chrysene-d12
Concen: 5.00 ng
RT: 21.21 min Scan# 970
Delta R.T. 0.01 min
Lab File: BM000880.D
Acq: 07 Apr 2015 15:14

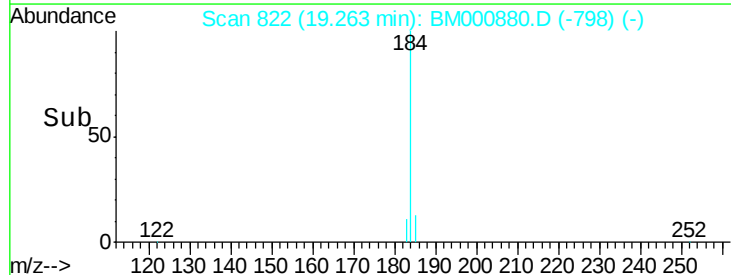
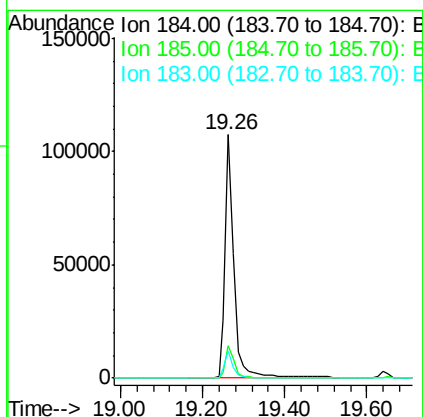
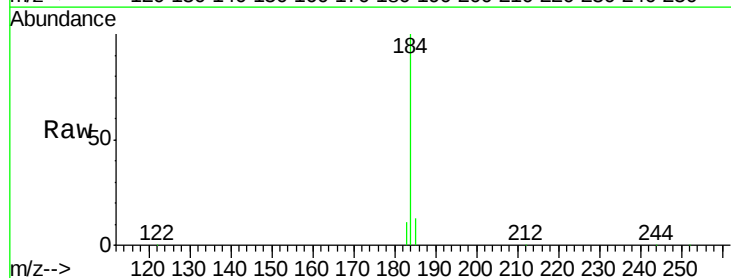
Instrument :
BNA_M
ClientSampleId :
SSTDICC010

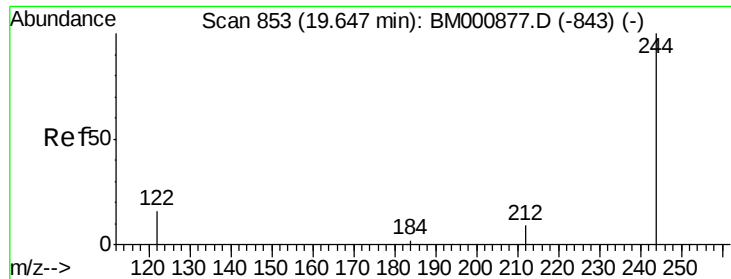
Tgt Ion:240 Resp: 124019
Ion Ratio Lower Upper
240 100
120 8.1 11.1 16.7#
236 21.9 20.9 31.3



#31
Benzidine
Concen: 25.83 ng
RT: 19.26 min Scan# 822
Delta R.T. -0.01 min
Lab File: BM000880.D
Acq: 07 Apr 2015 15:14

Tgt Ion:184 Resp: 162659
Ion Ratio Lower Upper
184 100
185 13.2 14.4 21.6#
183 11.0 12.6 19.0#

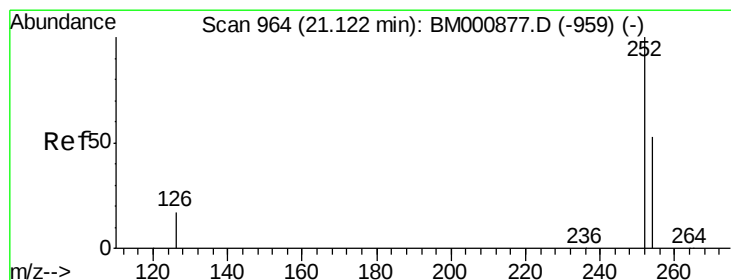
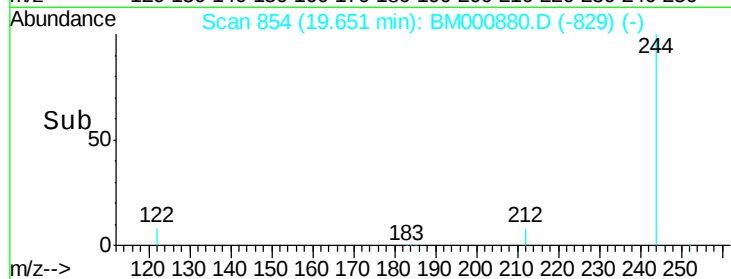
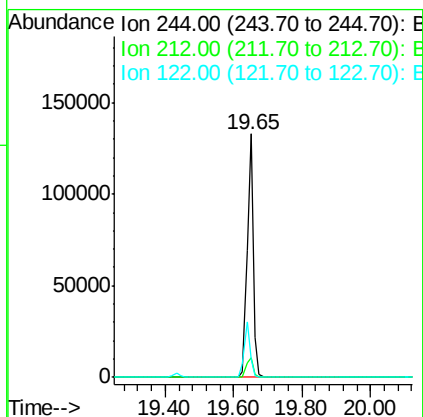
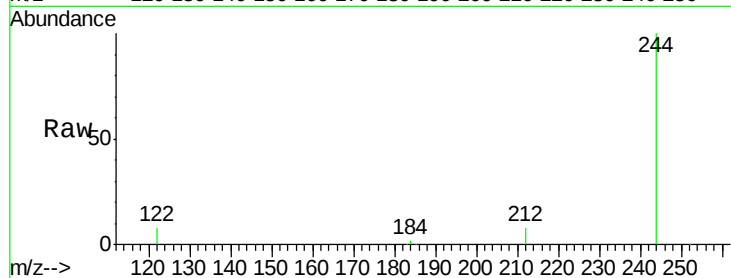




#32
 Terphenyl-d14
 Concen: 11.10 ng
 RT: 19.65 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: BM000880.D
 Acq: 07 Apr 2015 15:14

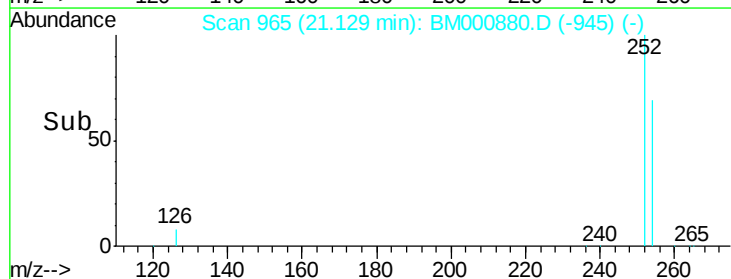
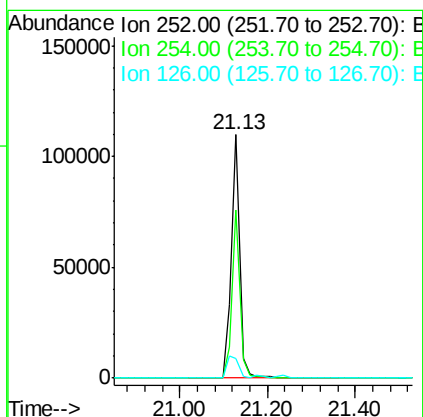
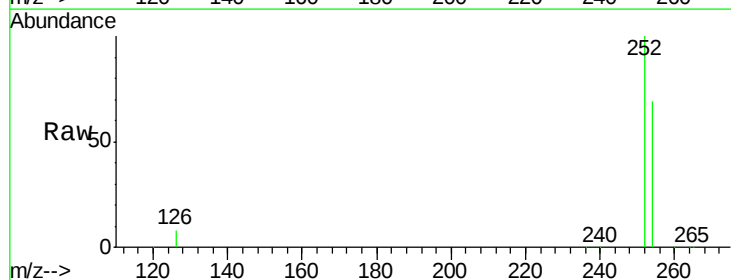
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC010

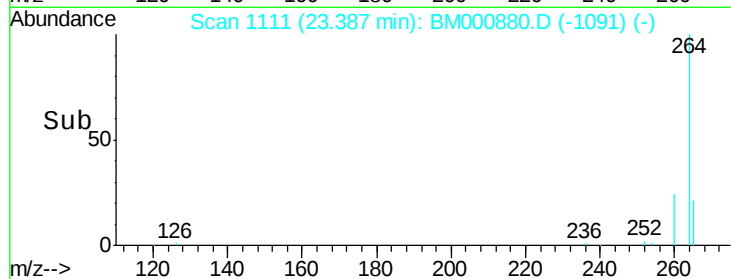
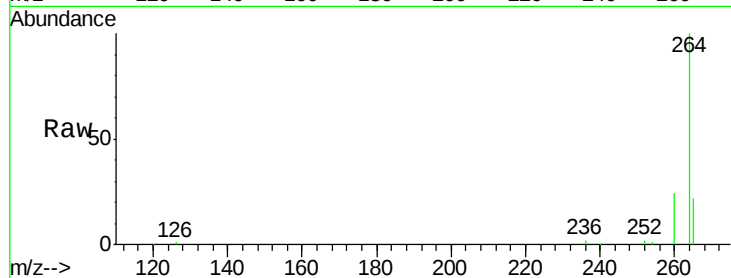
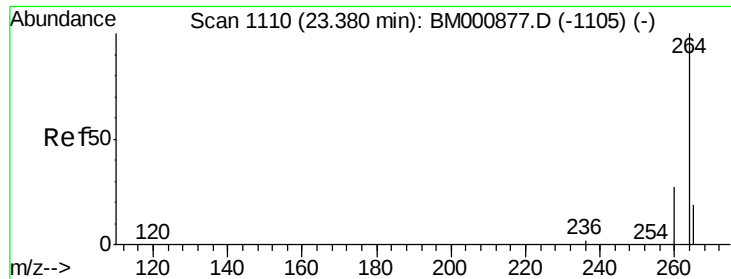
Tgt Ion:244 Resp: 167441
 Ion Ratio Lower Upper
 244 100
 212 8.2 8.1 12.1
 122 7.8 13.6 20.4#



#33
 3,3'-Dichlorobenzidine
 Concen: 16.69 ng
 RT: 21.13 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: BM000880.D
 Acq: 07 Apr 2015 15:14

Tgt Ion:252 Resp: 146149
 Ion Ratio Lower Upper
 252 100
 254 69.3 43.2 64.8#
 126 7.8 15.5 23.3#





#34

Perylene-d12

Concen: 5.00 ng

RT: 23.39 min Scan# 1111

Delta R.T. 0.01 min

Lab File: BM000880.D

Acq: 07 Apr 2015 15:14

Instrument :

BNA_M

ClientSampleId :

SSTDIC010

Tgt Ion: 264 Resp: 115741

Ion Ratio Lower Upper

264 100

260 24.5 21.6 32.4

265 21.6 16.1 24.1

