

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040315\
 Data File : BM000817.D
 Acq On : 02 Apr 2015 21:33
 Operator : TP/IZ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC005

Quant Time: Apr 03 18:17:37 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIM-BM040315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 03 17:58:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	26705	5.00	ng	0.00
11) Naphthalene-d8	10.39	136	127942	5.00	ng	0.00
19) Acenaphthene-d10	14.28	164	64893	5.00	ng	0.00
26) Phenanthrene-d10	17.00	188	128339	5.00	ng	0.00
30) Chrysene-d12	21.21	240	126271	5.00	ng	0.00
34) Perylene-d12	23.40	264	112992	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	38072	5.18	ng	0.00
5) Phenol-d6	6.77	99	61603	6.01	ng	0.00
12) Nitrobenzene-d5	8.77	82	28502	4.77	ng	0.00
20) 2,4,6-Tribromophenol	15.77	330	13691	7.08	ng	0.00
23) 2-Fluorobiphenyl	12.87	172	97055	4.85	ng	0.00
32) Terphenyl-d14	19.65	244	76181	5.01	ng	0.00

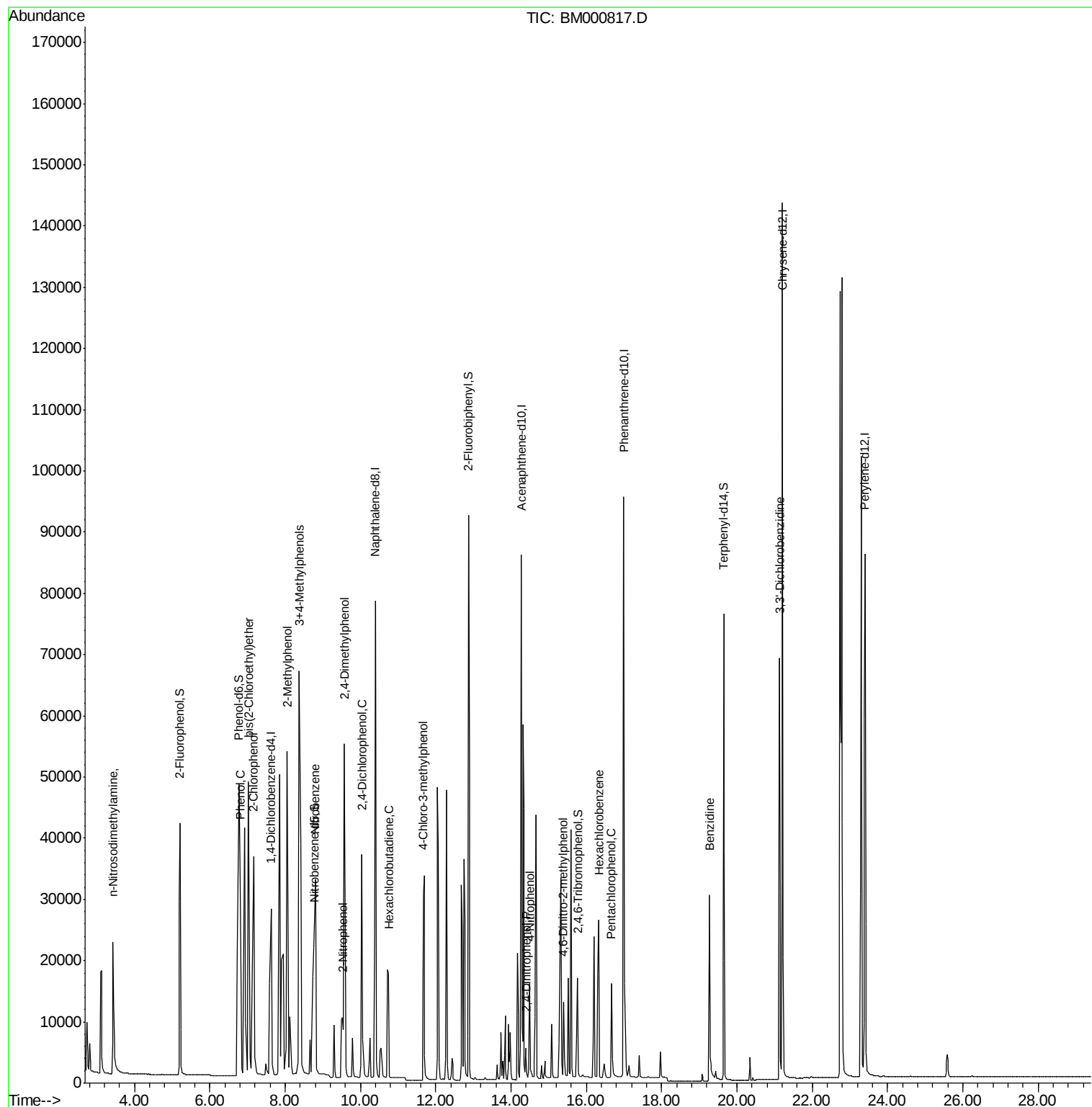
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.43	42	18198	5.36	ng	# 74
6) 2-Chlorophenol	7.17	128	41292	5.66	ng	89
7) Phenol	6.81	94	58851	5.34	ng	89
8) bis(2-Chloroethyl)ether	7.02	93	43173	5.63	ng	# 75
9) 2-Methylphenol	8.06	107	43572	5.54	ng	# 93
10) 3+4-Methylphenols	8.38	107	53334	6.41	ng	93
13) Nitrobenzene	8.80	77	36416	5.23	ng	# 77
14) 2-Nitrophenol	9.52	139	17071	5.36	ng	# 84
15) 2,4-Dimethylphenol	9.58	122	39762	5.48	ng	95
16) 2,4-Dichlorophenol	10.04	162	37518	5.84	ng	93
17) Hexachlorobutadiene	10.75	225	23820	4.82	ng	98
18) 4-Chloro-3-methylphenol	11.67	107	35717	5.56	ng	# 81
24) 2,4-Dinitrophenol	14.40	184	4375	6.76	ng	# 44
25) 4-Nitrophenol	14.49	139	12231	9.59	ng	# 76
27) 4,6-Dinitro-2-methylphenol	15.39	198	9580m	8.36	ng	
28) Hexachlorobenzene	16.33	284	37494	5.18	ng	# 95
29) Pentachlorophenol	16.67	266	13145	10.49	ng	94
31) Benzdine	19.28	184	48751	9.57	ng	# 48
33) 3,3'-Dichlorobenzidine	21.13	252	58375	6.88	ng	98

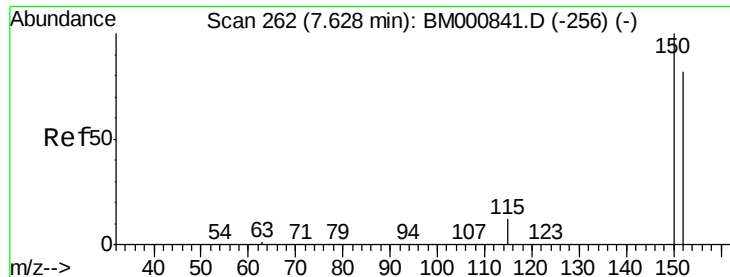
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.63 min Scan# 262

Delta R.T. -0.00 min

Lab File: BM000817.D

Acq: 02 Apr 2015 21:33

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

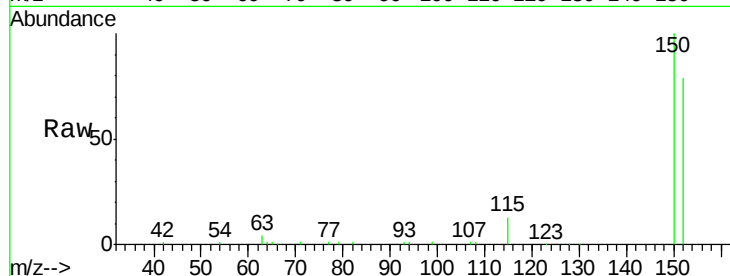
Tot Ion:152 Resp: 26705

Ion Ratio Lower Upper

152 100

150 127.0 99.8 149.6

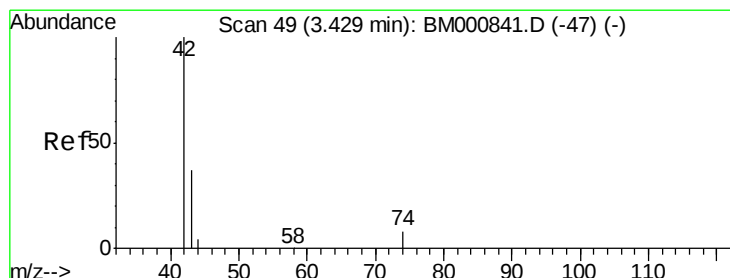
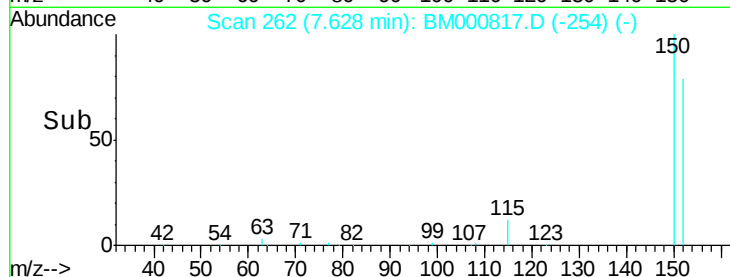
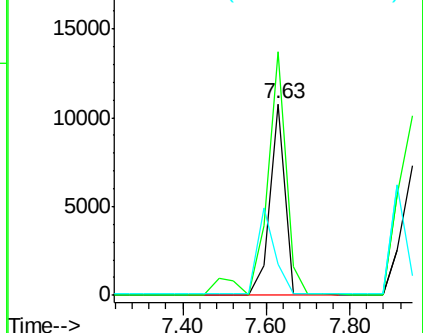
115 16.2 13.5 20.3



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



#3

n-Nitrosodimethylamine

Concen: 5.36 ng

RT: 3.43 min Scan# 49

Delta R.T. -0.02 min

Lab File: BM000817.D

Acq: 02 Apr 2015 21:33

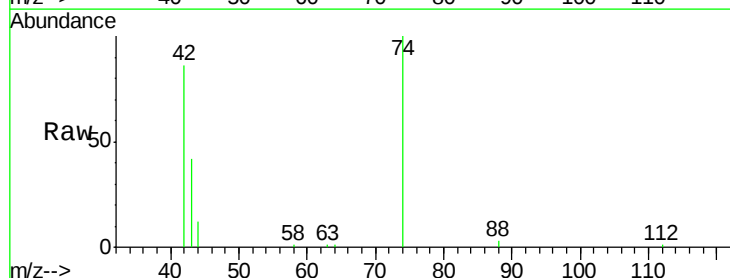
Tgt Ion: 42 Resp: 18198

Ion Ratio Lower Upper

42 100

74 116.3 93.1 139.7

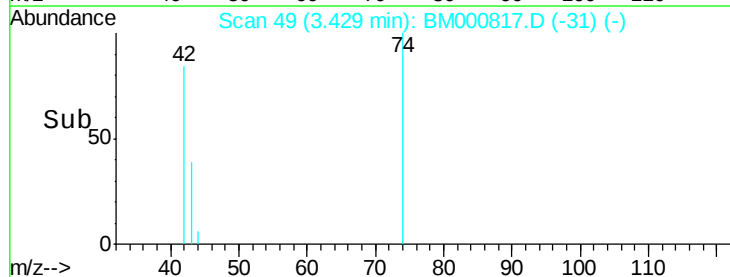
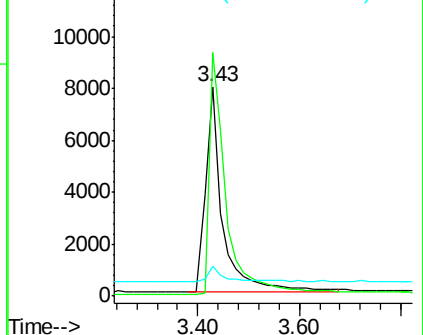
44 14.4 56.6 85.0#

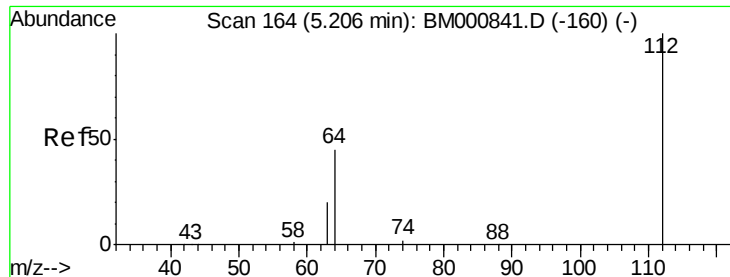


Abundance Ion 42.00 (41.70 to 42.70): BM0

Ion 74.00 (73.70 to 74.70): BM0

Ion 44.00 (43.70 to 44.70): BM0





#4

2-Fluorophenol

Concen: 5.18 ng

RT: 5.21 min Scan# 164

Delta R.T. -0.00 min

Lab File: BM000817.D

Acq: 02 Apr 2015 21:33

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

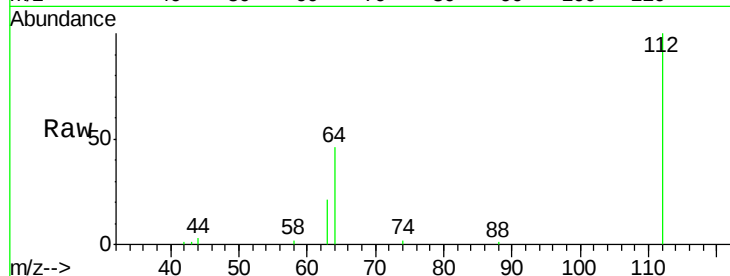
Tot Ion:112 Resp: 38072

Ion Ratio Lower Upper

112 100

64 46.0 40.3 60.5

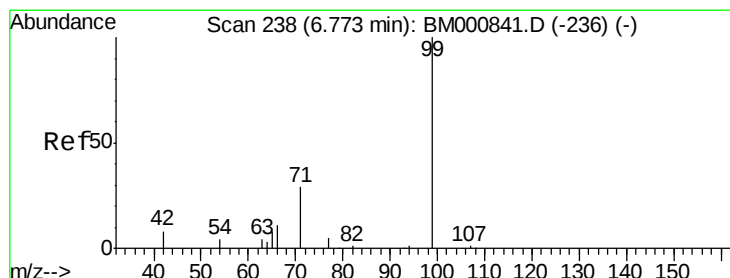
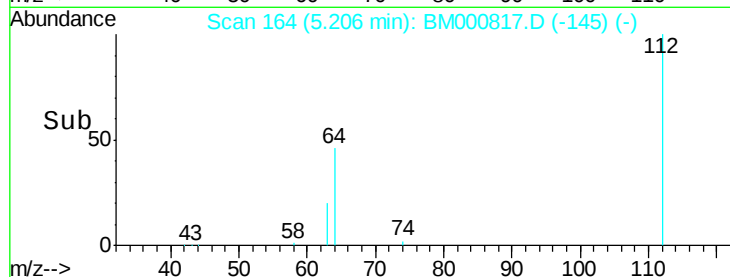
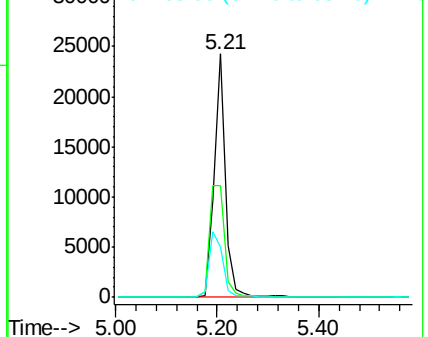
63 20.6 19.0 28.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



#5

Phenol-d6

Concen: 6.01 ng

RT: 6.77 min Scan# 238

Delta R.T. 0.00 min

Lab File: BM000817.D

Acq: 02 Apr 2015 21:33

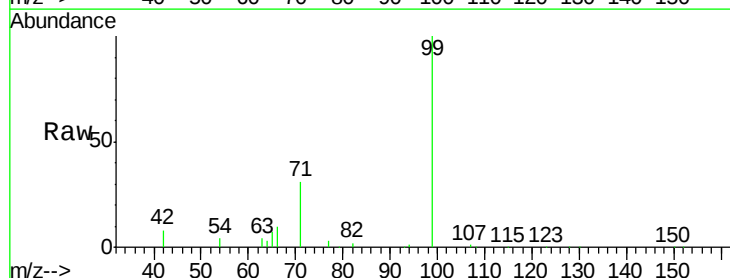
Tgt Ion: 99 Resp: 61603

Ion Ratio Lower Upper

99 100

42 8.0 10.2 15.4#

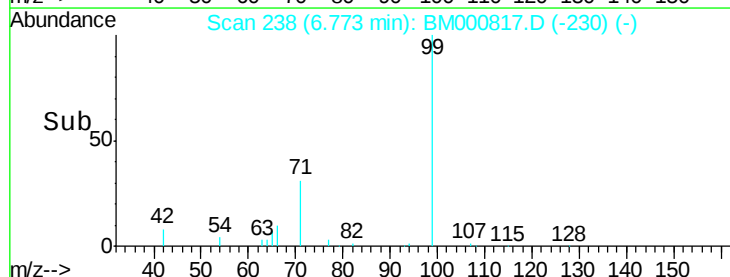
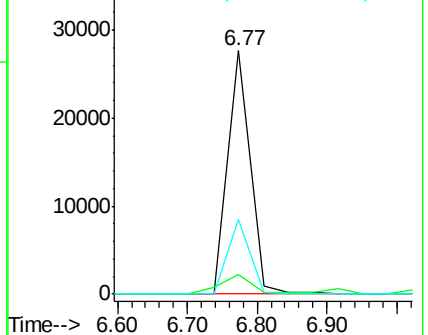
71 30.7 28.6 43.0

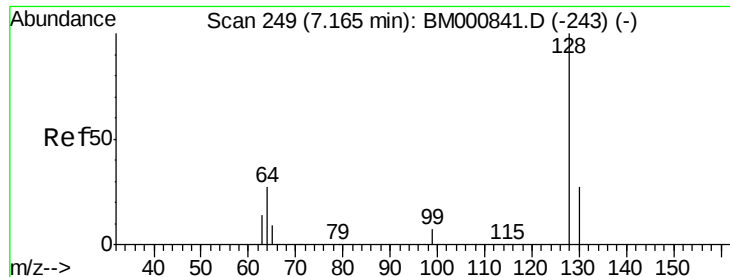


Abundance Ion 99.00 (98.70 to 99.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 71.00 (70.70 to 71.70): BM0





#6

2-Chlorophenol

Concen: 5.66 ng

RT: 7.17 min Scan# 249

Delta R.T. 0.00 min

Lab File: BM000817.D

Acq: 02 Apr 2015 21:33

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

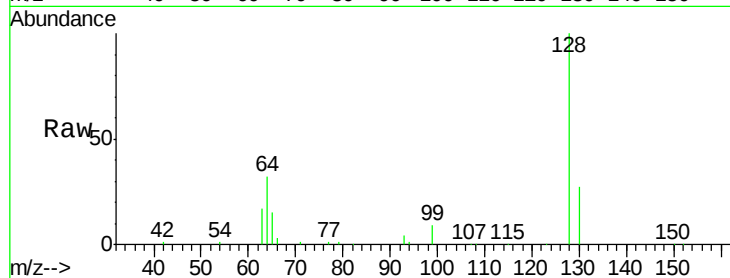
Tot Ion:128 Resp: 41292

Ion Ratio Lower Upper

128 100

130 27.1 7.6 47.6

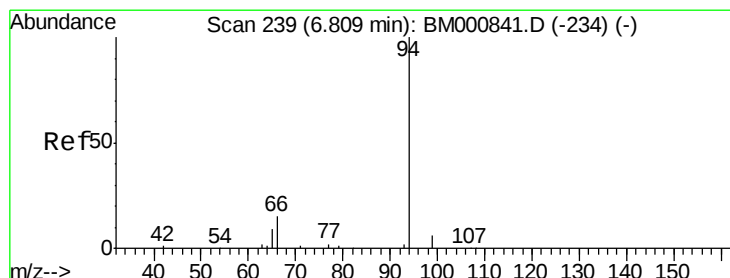
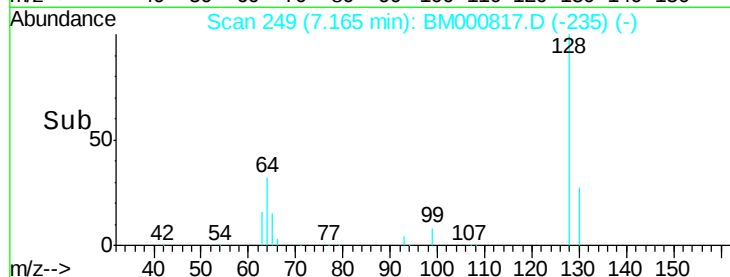
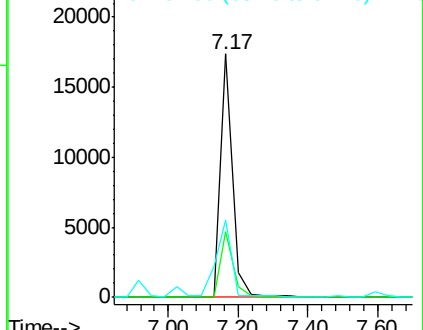
64 31.9 23.1 63.1



Abundance Ion 128.00 (127.70 to 128.70): B

Ion 130.00 (129.70 to 130.70): B

Ion 64.00 (63.70 to 64.70): B



#7

Phenol

Concen: 5.34 ng

RT: 6.81 min Scan# 239

Delta R.T. -0.00 min

Lab File: BM000817.D

Acq: 02 Apr 2015 21:33

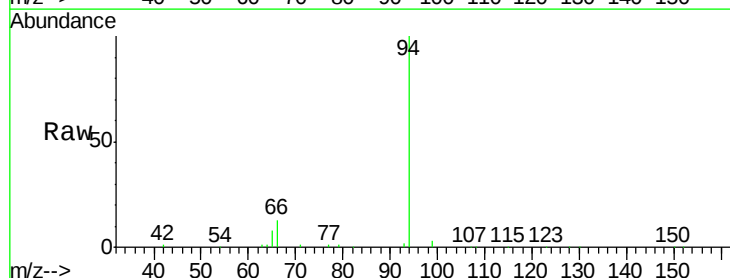
Tgt Ion: 94 Resp: 58851

Ion Ratio Lower Upper

94 100

65 7.7 0.0 32.0

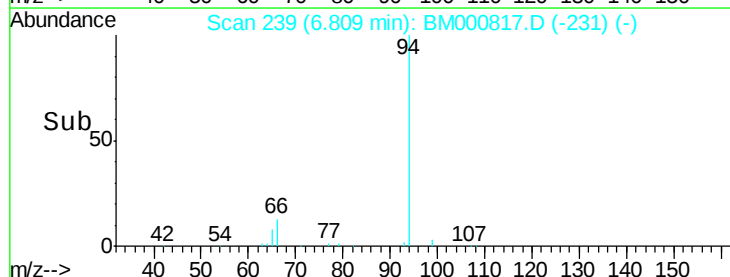
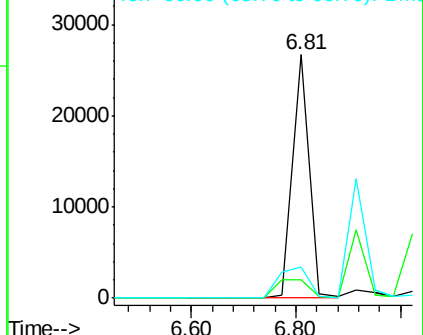
66 12.8 0.0 37.6

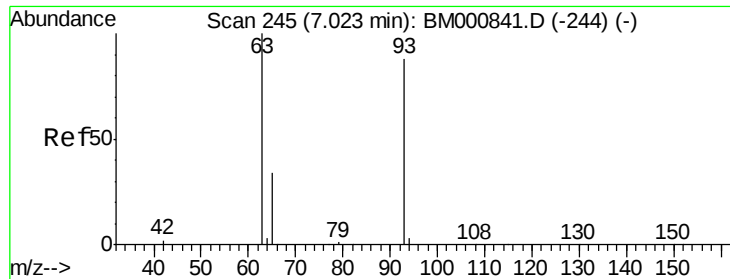


Abundance Ion 94.00 (93.70 to 94.70): B

Ion 65.00 (64.70 to 65.70): B

Ion 66.00 (65.70 to 66.70): B





#8

bis(2-Chloroethyl)ether

Concen: 5.63 ng

RT: 7.02 min Scan# 245

Delta R.T. 0.00 min

Lab File: BM000817.D

Acq: 02 Apr 2015 21:33

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

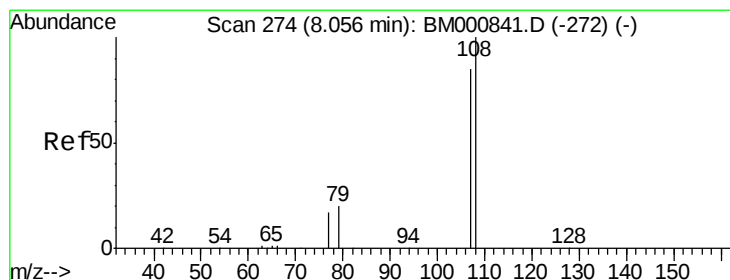
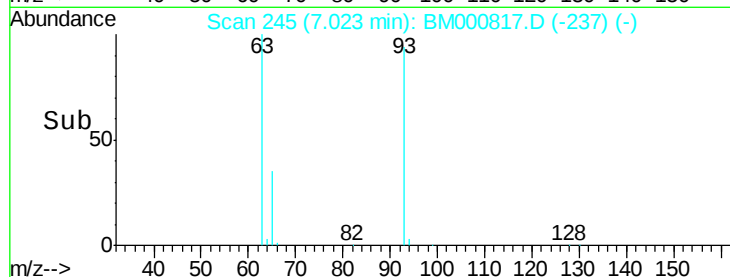
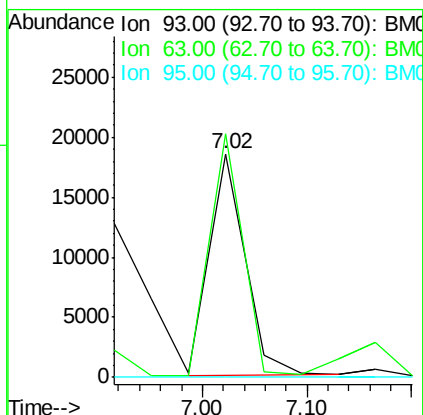
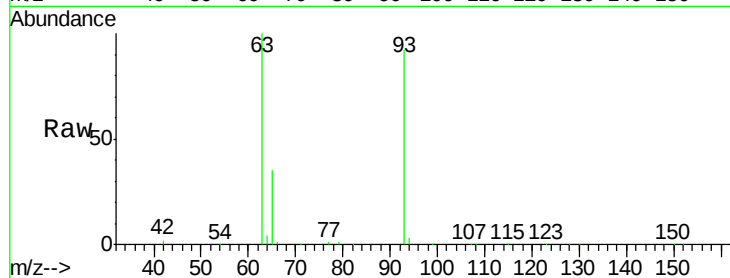
Tot Ion: 93 Resp: 43173

Ion Ratio Lower Upper

93 100

63 109.1 118.9 158.9#

95 0.0 0.0 20.0



#9

2-Methylphenol

Concen: 5.54 ng

RT: 8.06 min Scan# 274

Delta R.T. -0.00 min

Lab File: BM000817.D

Acq: 02 Apr 2015 21:33

Tgt Ion: 107 Resp: 43572

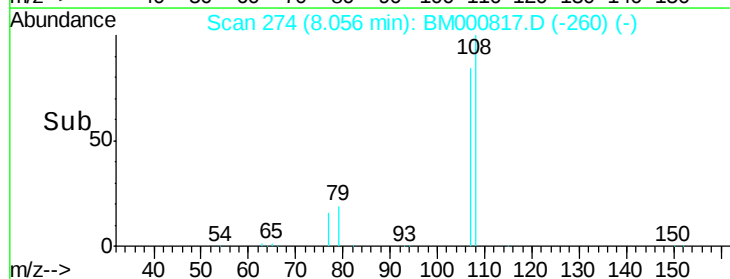
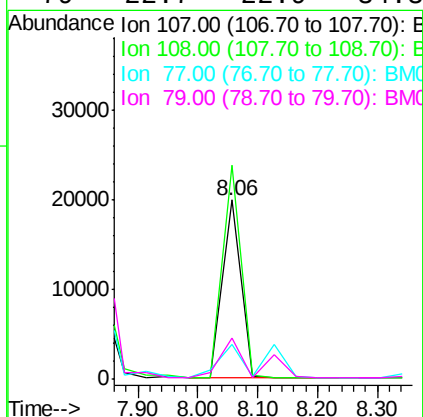
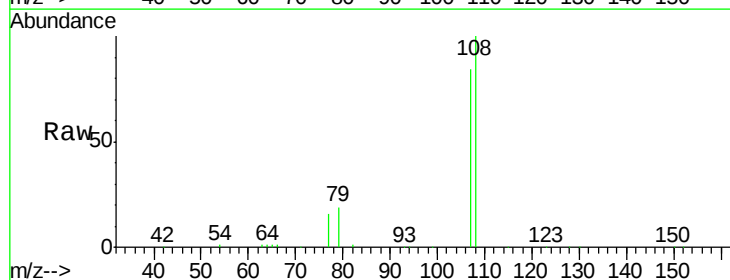
Ion Ratio Lower Upper

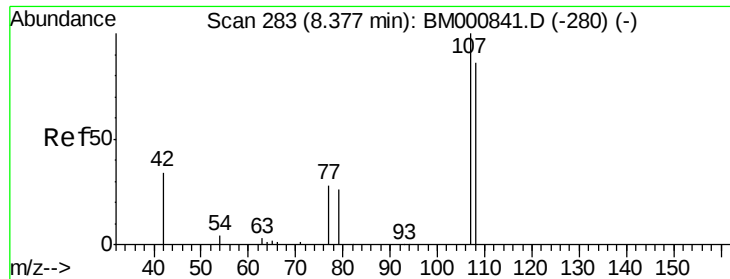
107 100

108 119.4 92.0 138.0

77 19.2 20.6 31.0#

79 22.7 22.9 34.3#





#10

3+4-Methylphenols

Concen: 6.41 ng

RT: 8.38 min Scan# 283

Delta R.T. 0.00 min

Lab File: BM000817.D

Acq: 02 Apr 2015 21:33

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

Tot Ion:107 Resp: 53334

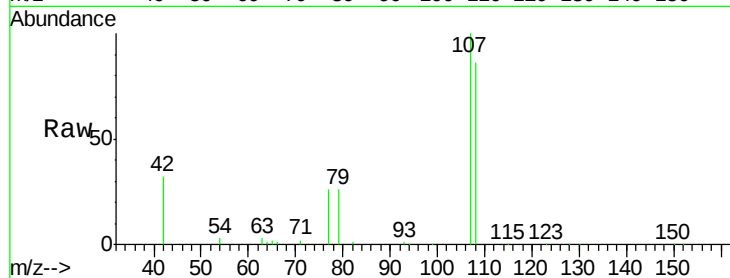
Ion Ratio Lower Upper

107 100

108 86.4 62.6 102.6

77 25.9 12.8 52.8

79 25.7 10.3 50.3

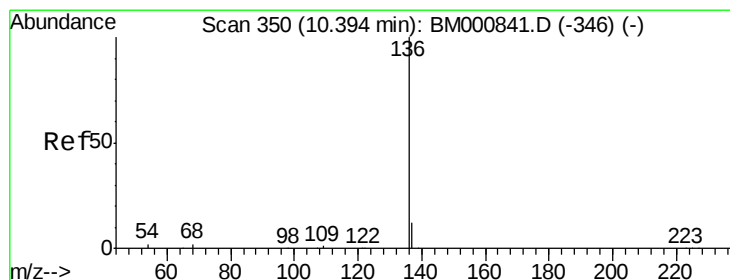
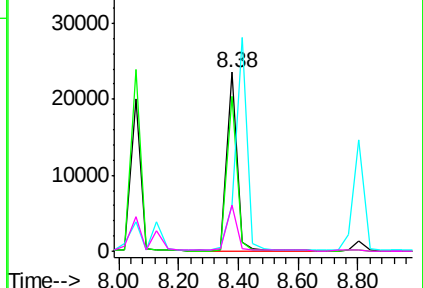
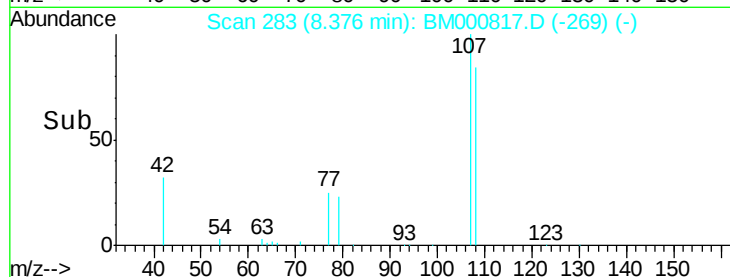


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



#11

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 350

Delta R.T. -0.00 min

Lab File: BM000817.D

Acq: 02 Apr 2015 21:33

Tgt Ion:136 Resp: 127942

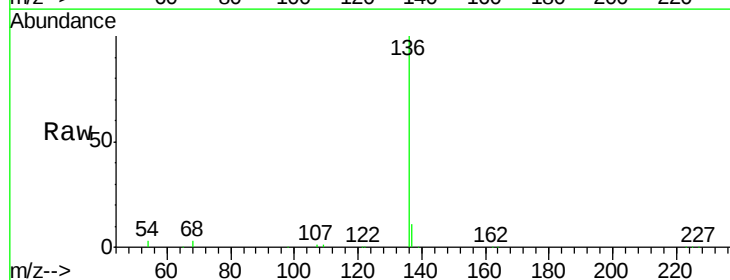
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 2.8 2.2 3.4

68 2.8 2.2 3.2

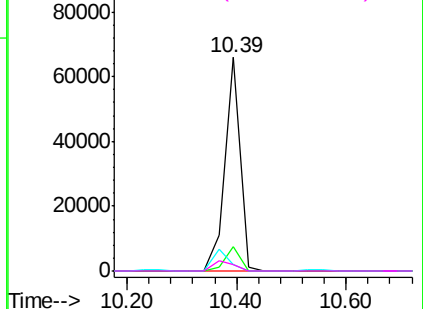
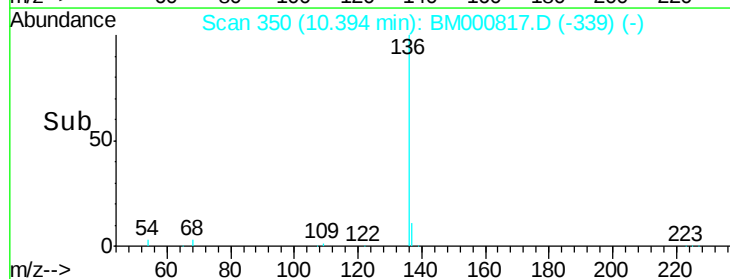


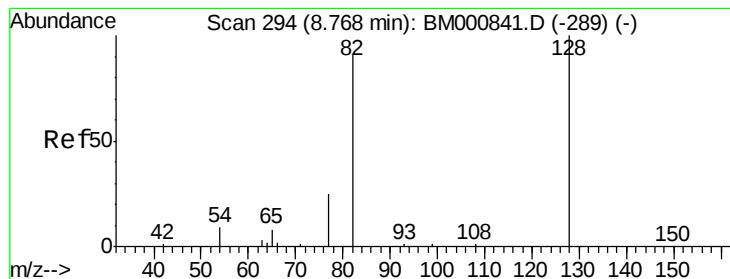
Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.77 ng

RT: 8.77 min Scan# 294

Delta R.T. -0.00 min

Lab File: BM000817.D

Acq: 02 Apr 2015 21:33

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ClientSampleId :

SSTDIC005

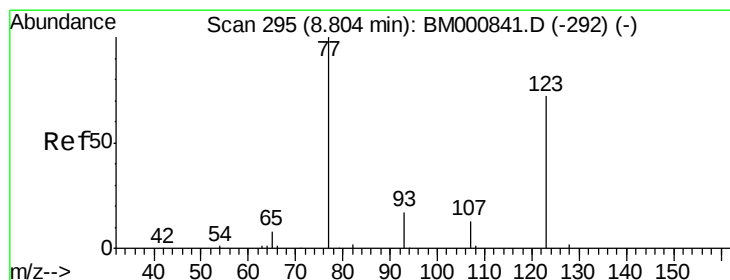
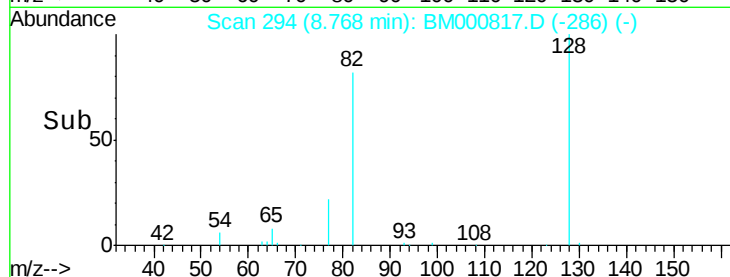
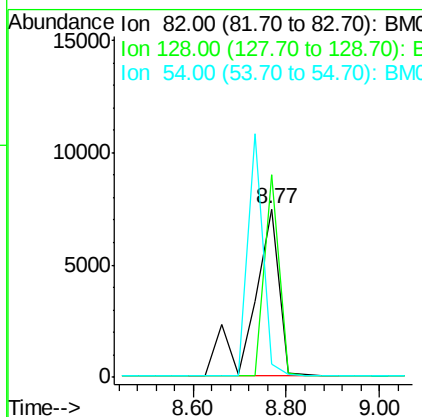
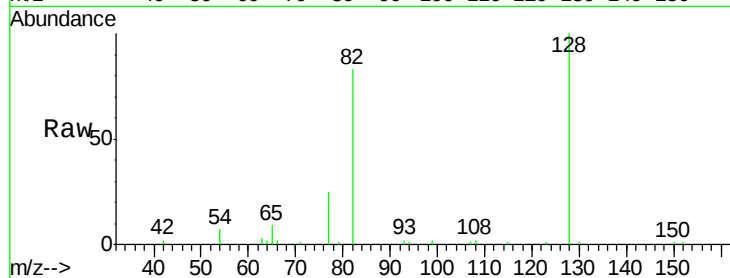
Tot Ion: 82 Resp: 28502

Ion Ratio Lower Upper

82 100

128 120.8 72.5 108.7#

54 8.0 11.8 17.8#



#13

Nitrobenzene

Concen: 5.23 ng

RT: 8.80 min Scan# 295

Delta R.T. -0.00 min

Lab File: BM000817.D

Acq: 02 Apr 2015 21:33

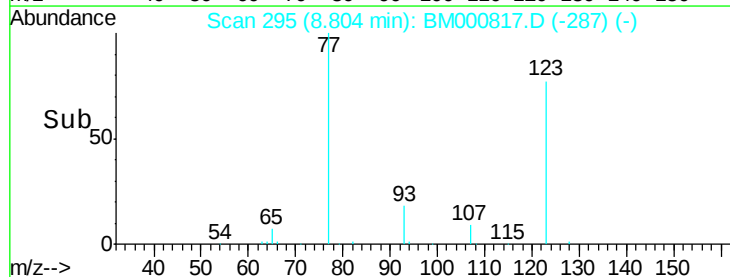
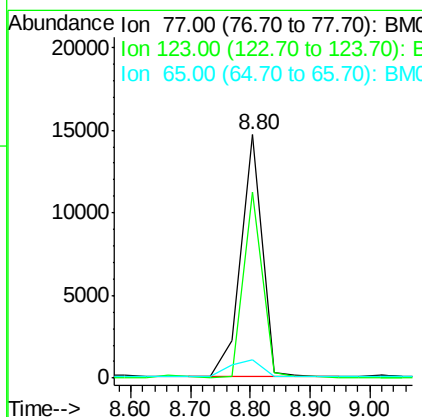
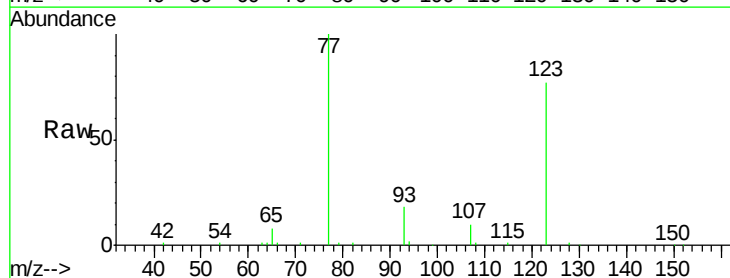
Tgt Ion: 77 Resp: 36416

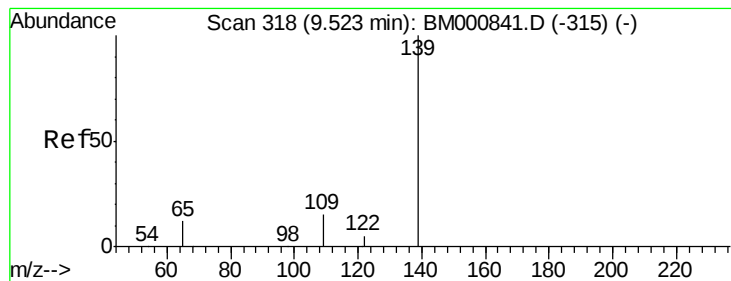
Ion Ratio Lower Upper

77 100

123 76.6 45.8 68.6#

65 7.7 8.2 12.4#





#14

2-Nitrophenol

Concen: 5.36 ng

RT: 9.52 min Scan# 318

Delta R.T. 0.00 min

Lab File: BM000817.D

Acq: 02 Apr 2015 21:33

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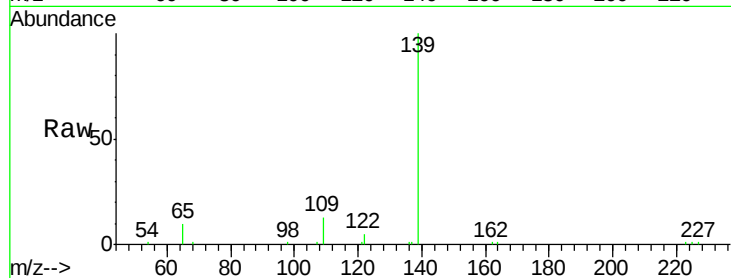
Tot Ion:139 Resp: 17071

Ion Ratio Lower Upper

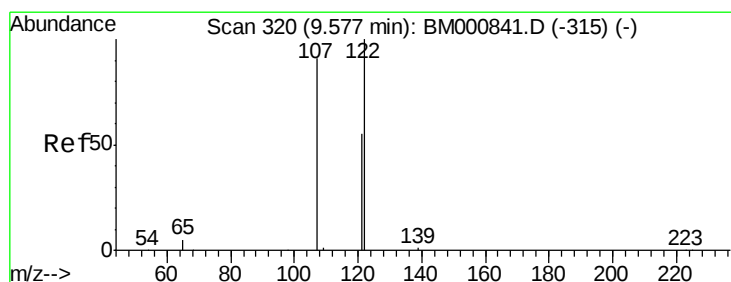
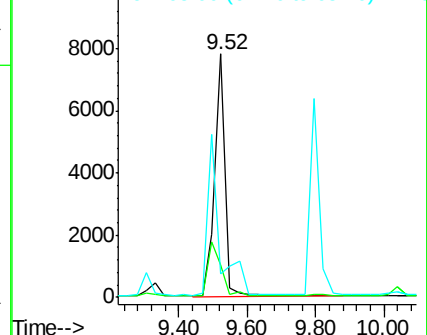
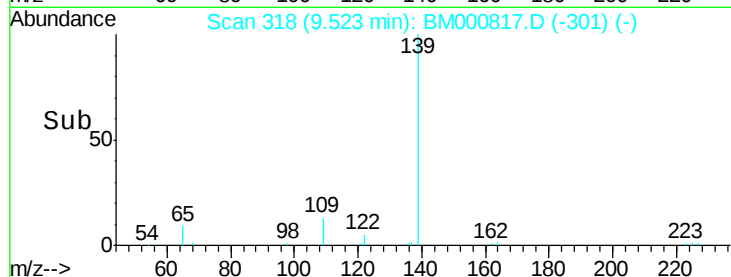
139 100

109 13.1 15.0 22.6#

65 9.6 14.2 21.4#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E



#15

2,4-Dimethylphenol

Concen: 5.48 ng

RT: 9.58 min Scan# 320

Delta R.T. -0.00 min

Lab File: BM000817.D

Acq: 02 Apr 2015 21:33

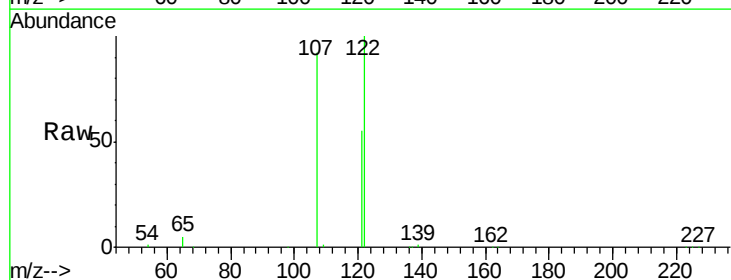
Tgt Ion:122 Resp: 39762

Ion Ratio Lower Upper

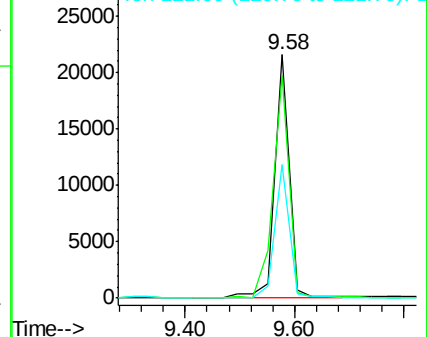
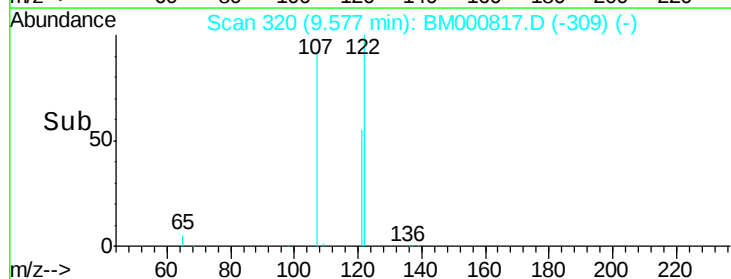
122 100

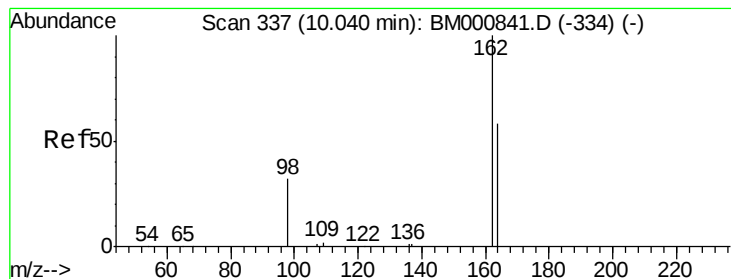
107 91.7 78.2 117.4

121 54.9 45.4 68.0



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

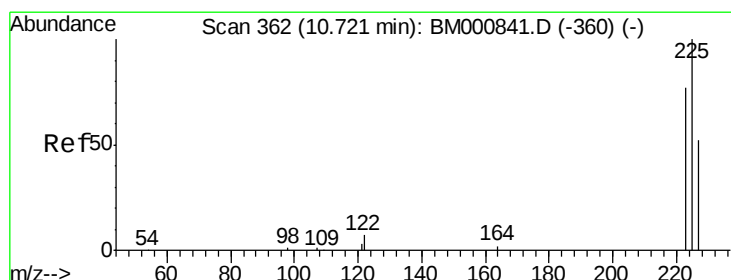
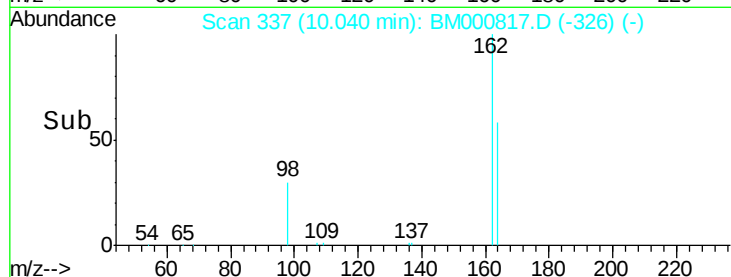
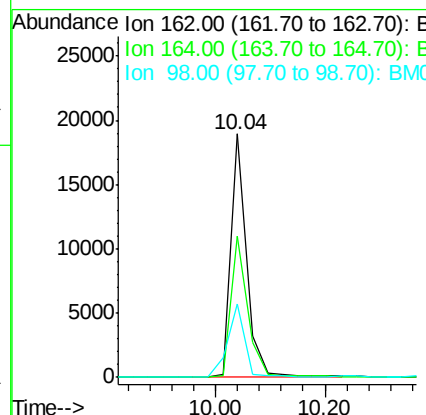
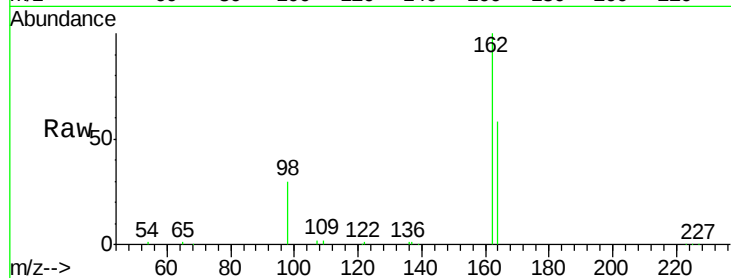




#16
 2,4-Dichlorophenol
 Concen: 5.84 ng
 RT: 10.04 min Scan# 337
 Delta R.T. 0.00 min
 Lab File: BM000817.D
 Acq: 02 Apr 2015 21:33

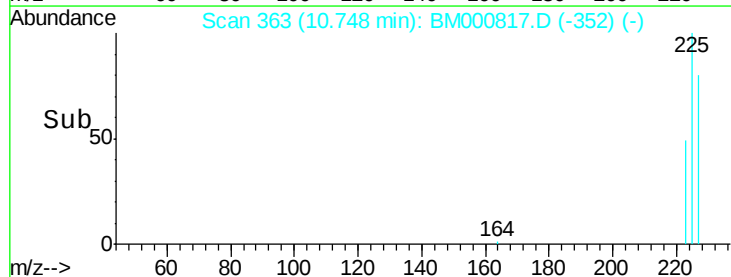
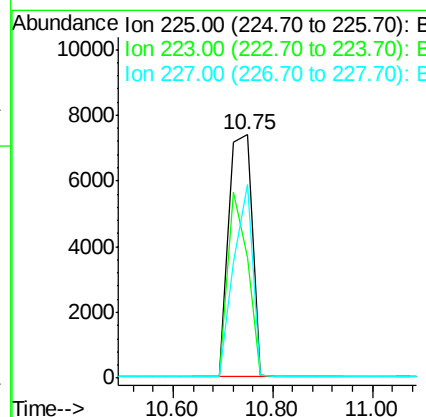
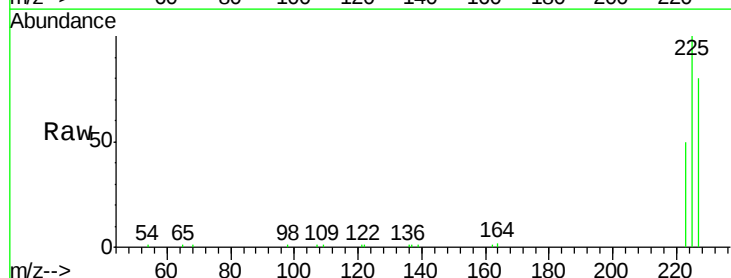
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC005

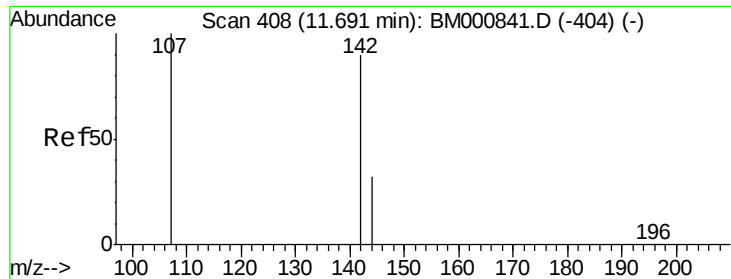
Tot Ion:162 Resp: 37518
 Ion Ratio Lower Upper
 162 100
 164 57.9 37.1 77.1
 98 30.0 19.5 59.5



#17
 Hexachlorobutadiene
 Concen: 4.82 ng
 RT: 10.75 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: BM000817.D
 Acq: 02 Apr 2015 21:33

Tgt Ion:225 Resp: 23820
 Ion Ratio Lower Upper
 225 100
 223 49.5 40.8 61.2
 227 79.8 62.8 94.2

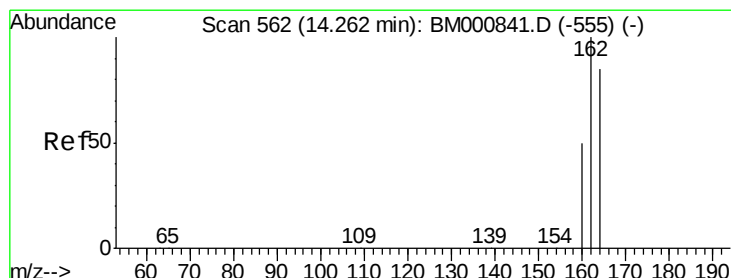
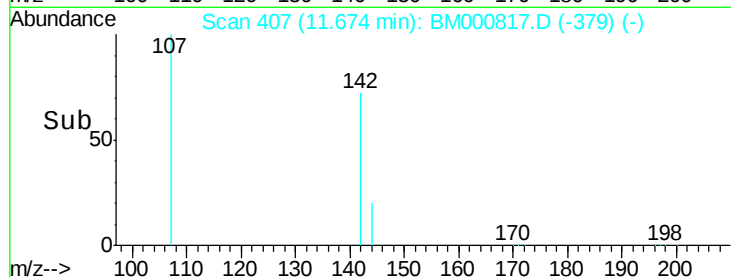
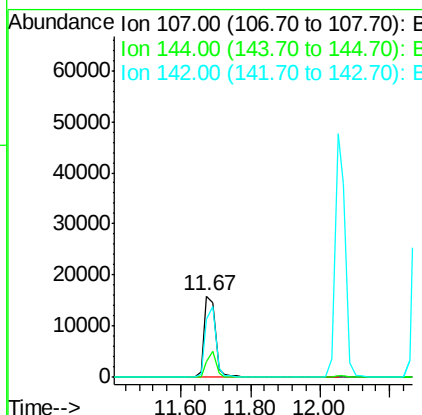
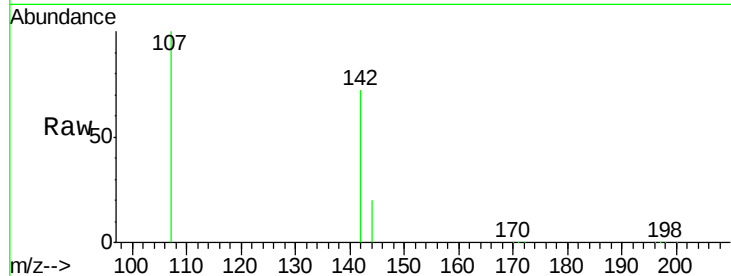




#18
4-Chloro-3-methylphenol
Concen: 5.56 ng
RT: 11.67 min Scan# 407
Delta R.T. -0.02 min
Lab File: BM000817.D
Acq: 02 Apr 2015 21:33

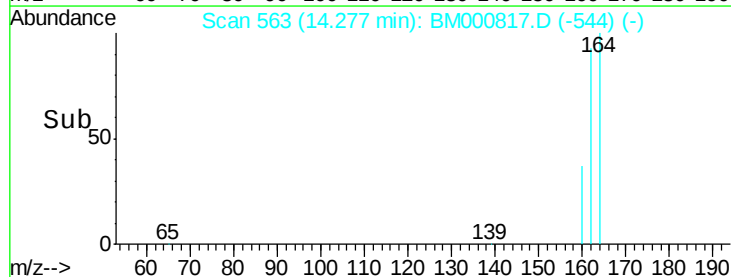
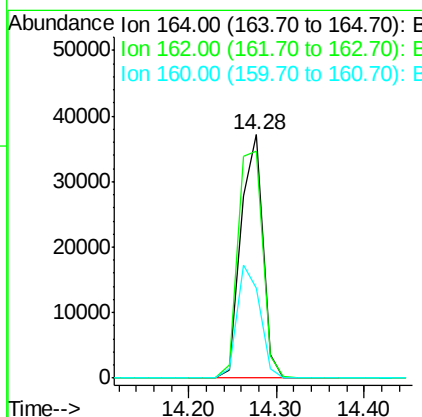
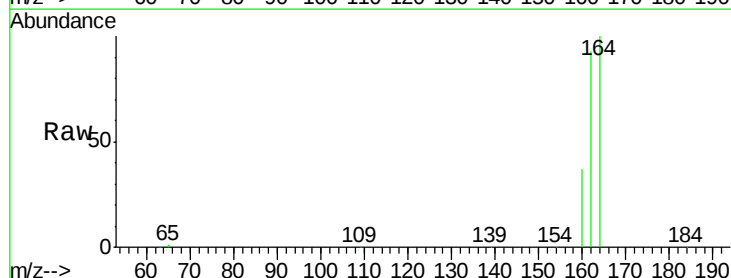
Instrument :
BNA_M
ClientSampleId :
SSTDIC005

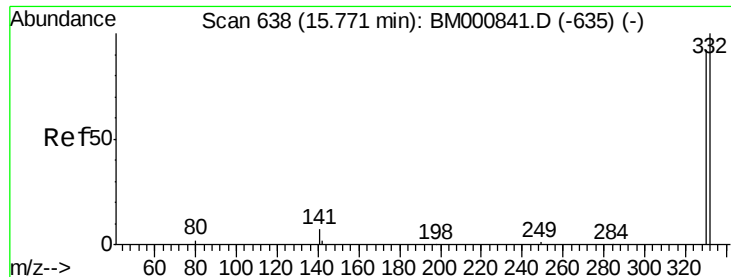
Tot Ion:107 Resp: 35717
Ion Ratio Lower Upper
107 100
144 19.7 25.8 38.8#
142 72.1 71.3 106.9



#19
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.28 min Scan# 563
Delta R.T. -0.00 min
Lab File: BM000817.D
Acq: 02 Apr 2015 21:33

Tgt Ion:164 Resp: 64893
Ion Ratio Lower Upper
164 100
162 93.0 74.2 111.2
160 37.1 30.4 45.6

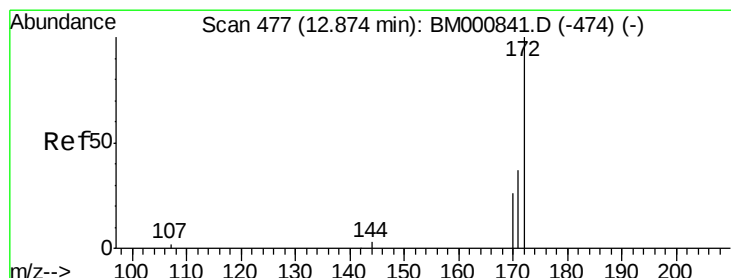
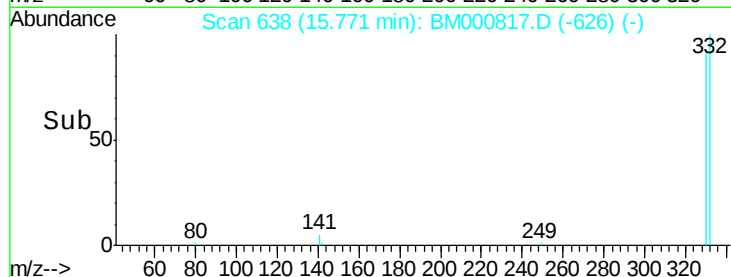
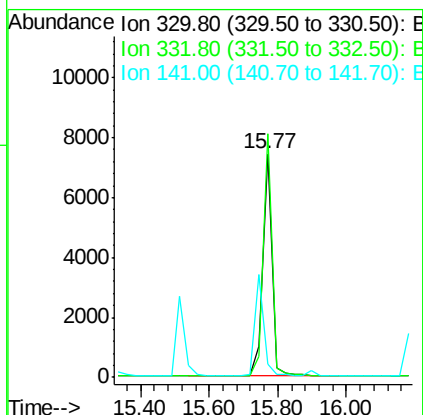
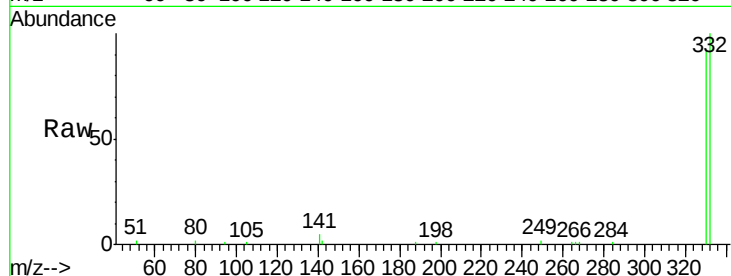




#20
 2,4,6-Tribromophenol
 Concen: 7.08 ng
 RT: 15.77 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: BM000817.D
 Acq: 02 Apr 2015 21:33

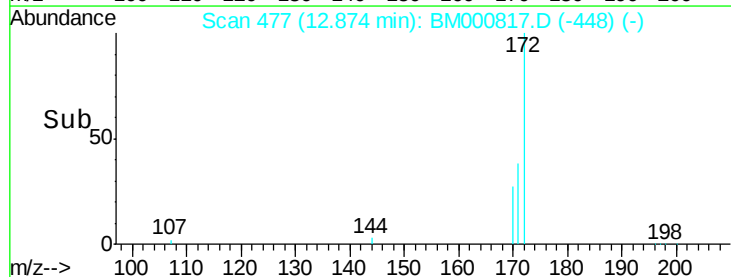
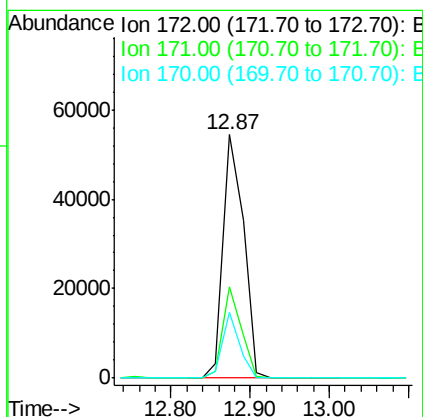
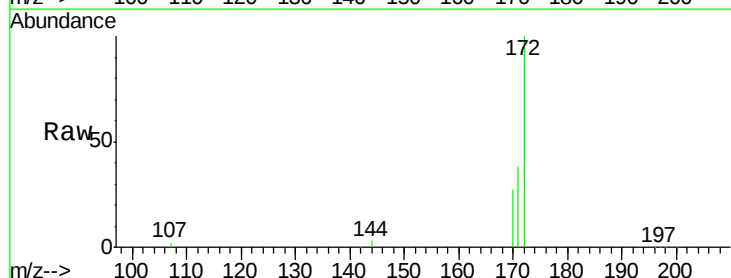
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC005

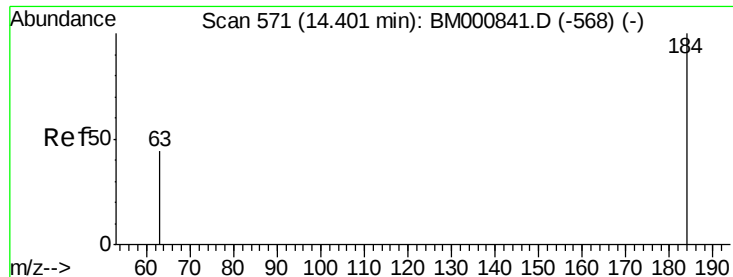
Tot Ion:330 Resp: 13691
 Ion Ratio Lower Upper
 330 100
 332 103.7 78.7 118.1
 141 0.0 0.0 0.0



#23
 2-Fluorobiphenyl
 Concen: 4.85 ng
 RT: 12.87 min Scan# 477
 Delta R.T. -0.00 min
 Lab File: BM000817.D
 Acq: 02 Apr 2015 21:33

Tgt Ion:172 Resp: 97055
 Ion Ratio Lower Upper
 172 100
 171 37.7 30.6 46.0
 170 27.0 22.2 33.2

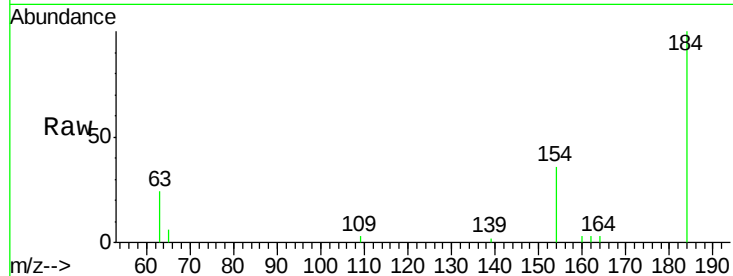




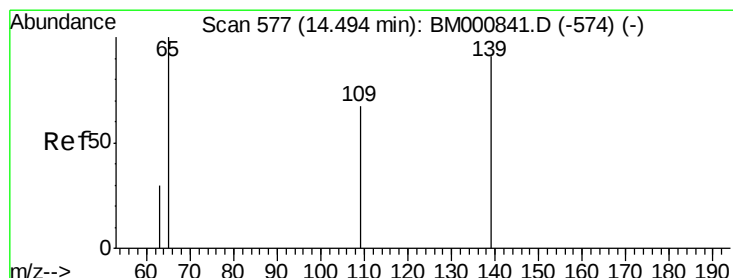
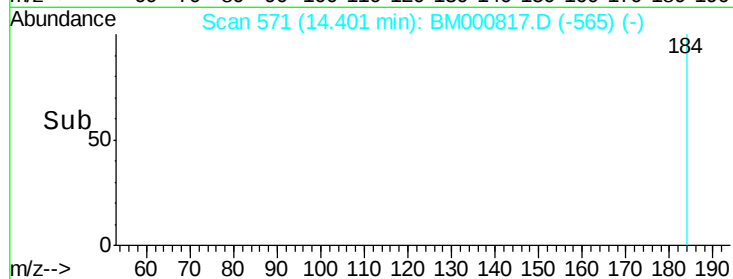
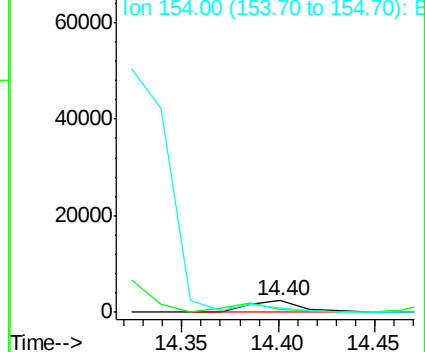
#24
2,4-Dinitrophenol
Concen: 6.76 ng
RT: 14.40 min Scan# 571
Delta R.T. -0.00 min
Lab File: BM000817.D
Acq: 02 Apr 2015 21:33

Instrument :
BNA_M
ClientSampleId :
SSTDIC005

Tot Ion:184 Resp: 4375
Ion Ratio Lower Upper
184 100
63 24.1 62.7 94.1#
154 35.8 63.6 95.4#

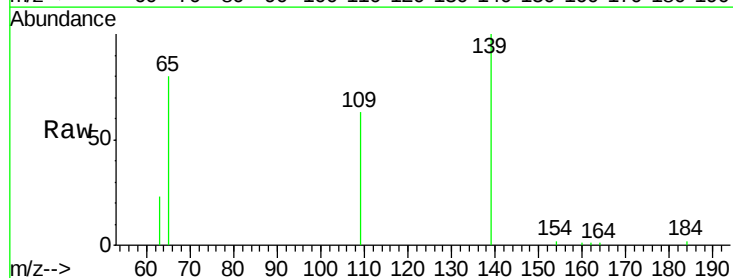


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BM0
Ion 154.00 (153.70 to 154.70): E

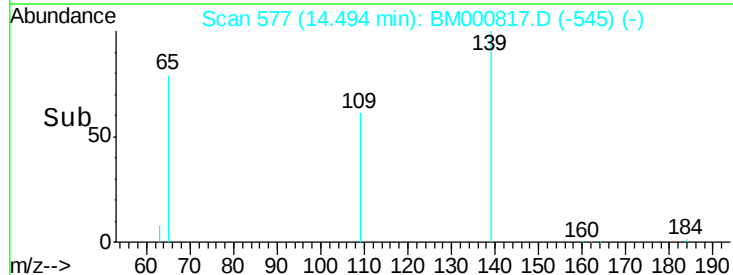
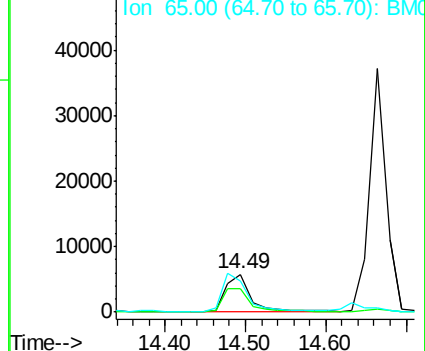


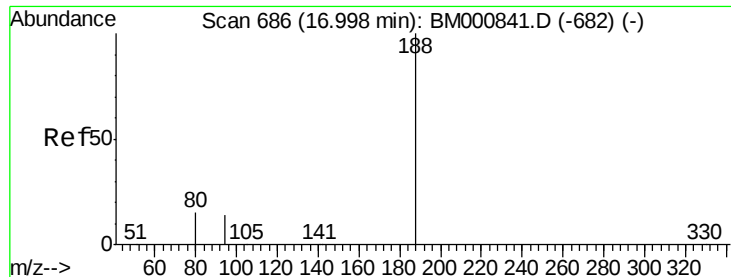
#25
4-Nitrophenol
Concen: 9.59 ng
RT: 14.49 min Scan# 577
Delta R.T. 0.00 min
Lab File: BM000817.D
Acq: 02 Apr 2015 21:33

Tgt Ion:139 Resp: 12231
Ion Ratio Lower Upper
139 100
109 62.7 58.2 98.2
65 80.1 90.4 130.4#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BM0

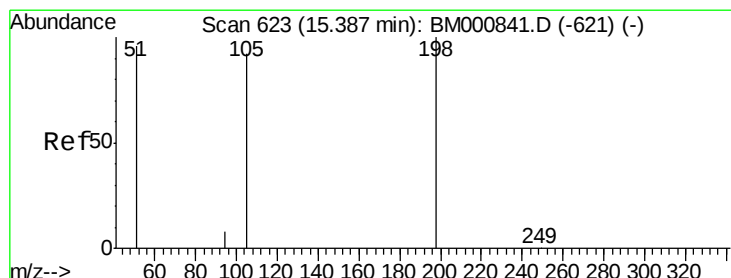
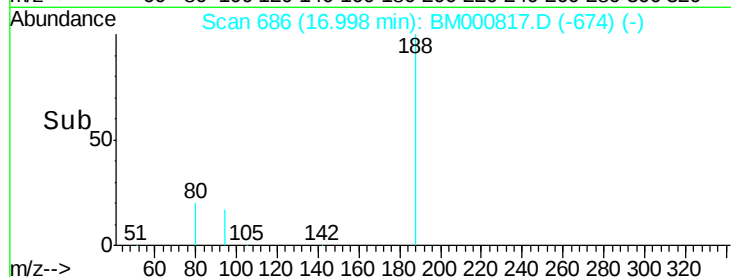
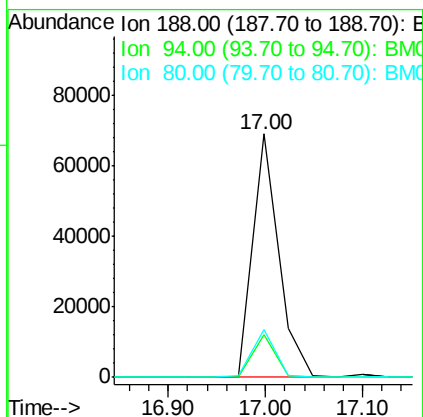
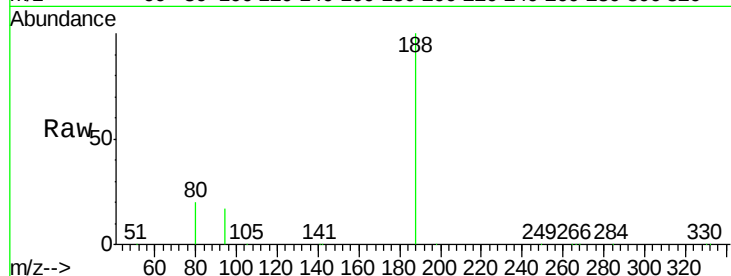




#26
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.00 min Scan# 686
Delta R.T. -0.00 min
Lab File: BM000817.D
Acq: 02 Apr 2015 21:33

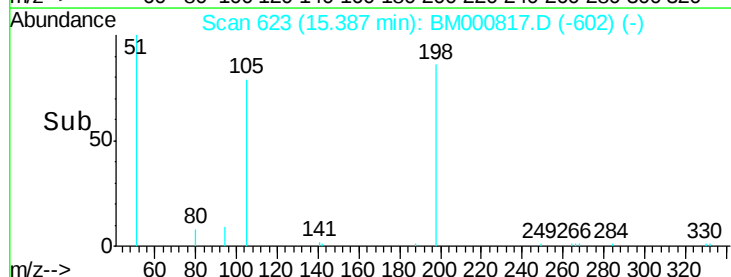
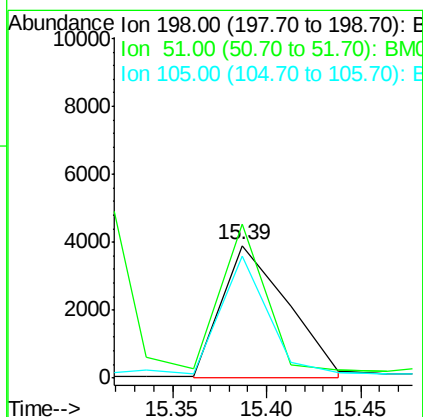
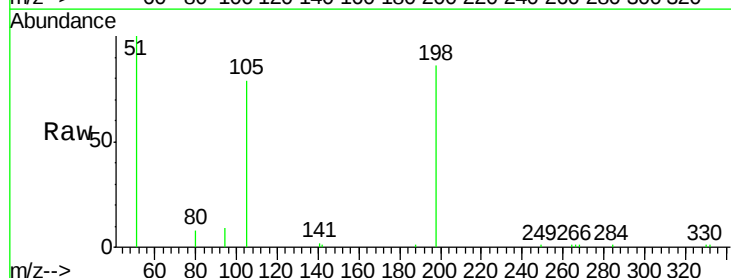
Instrument :
BNA_M
ClientSampleId :
SSTDIC005

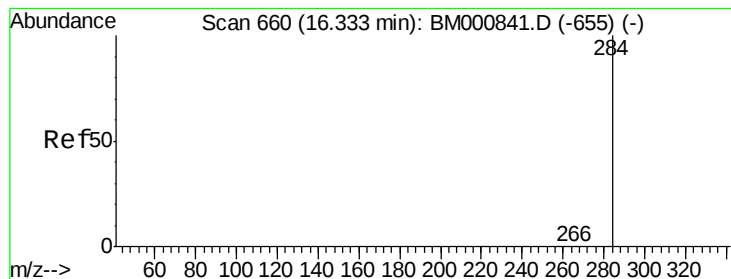
Tot Ion:188 Resp: 128339
Ion Ratio Lower Upper
188 100
94 17.3 13.0 19.6
80 19.8 14.7 22.1



#27
4,6-Dinitro-2-methylphenol
Concen: 8.36 ng m
RT: 15.39 min Scan# 623
Delta R.T. 0.00 min
Lab File: BM000817.D
Acq: 02 Apr 2015 21:33

Tgt Ion:198 Resp: 9580
Ion Ratio Lower Upper
198 100
51 115.8 139.3 179.3#
105 92.0 88.8 128.8





#28

Hexachlorobenzene

Concen: 5.18 ng

RT: 16.33 min Scan# 660

Delta R.T. 0.00 min

Lab File: BM000817.D

Acq: 02 Apr 2015 21:33

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

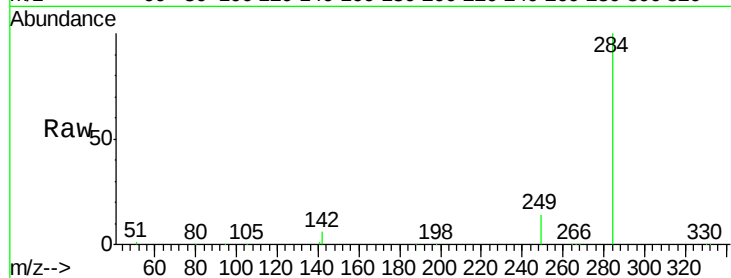
Tot Ion:284 Resp: 37494

Ion Ratio Lower Upper

284 100

142 6.4 6.5 9.7#

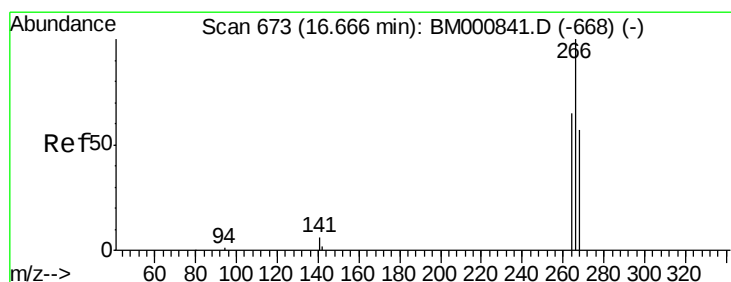
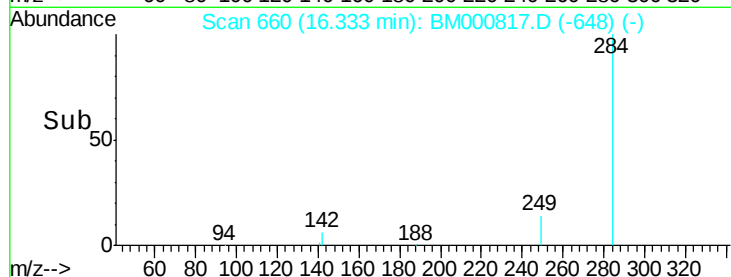
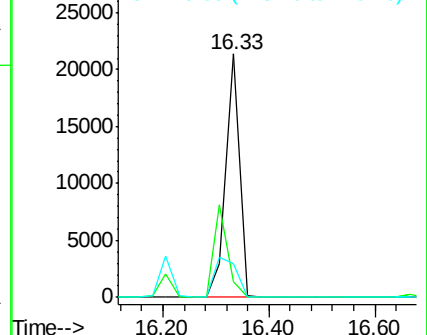
249 13.8 12.6 18.8



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: 10.49 ng

RT: 16.67 min Scan# 673

Delta R.T. 0.00 min

Lab File: BM000817.D

Acq: 02 Apr 2015 21:33

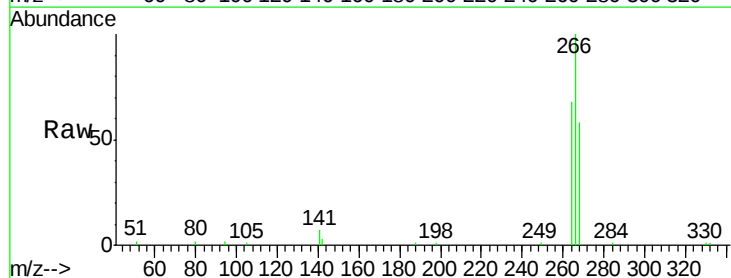
Tgt Ion:266 Resp: 13145

Ion Ratio Lower Upper

266 100

268 58.1 51.4 77.0

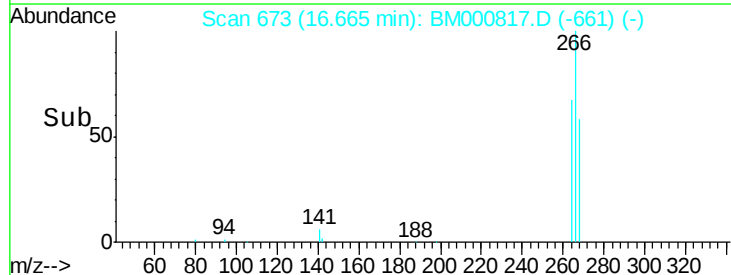
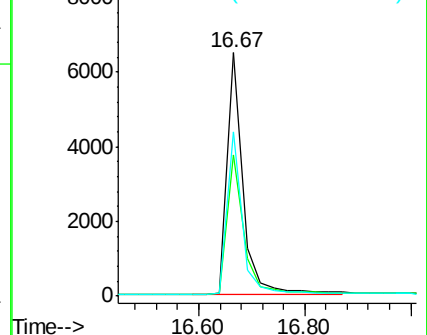
264 67.6 57.1 85.7

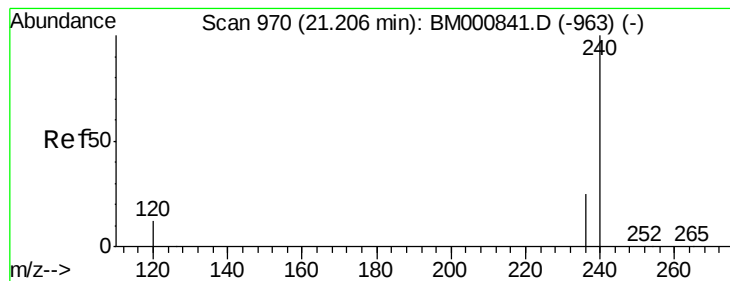


Abundance Ion 265.70 (265.40 to 266.40): E

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. -0.00 min

Lab File: BM000817.D

Acq: 02 Apr 2015 21:33

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

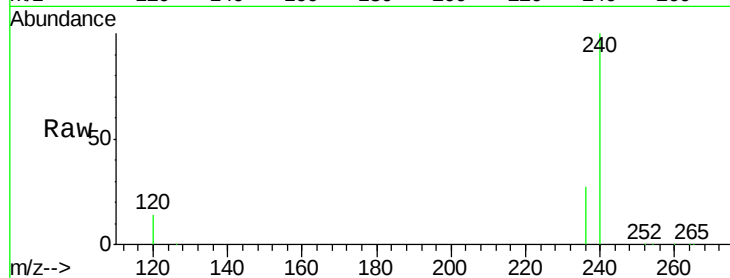
Tot Ion:240 Resp: 126271

Ion Ratio Lower Upper

240 100

120 14.4 11.3 16.9

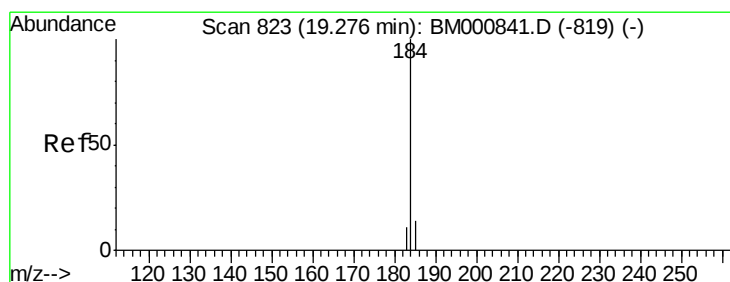
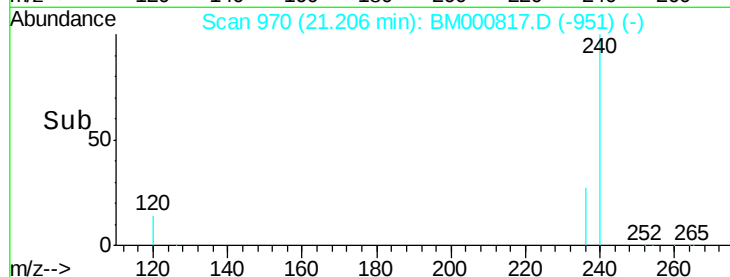
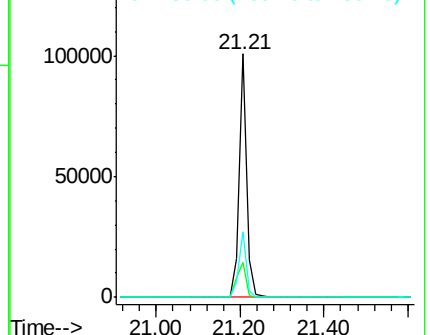
236 26.8 21.1 31.7



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: 9.57 ng

RT: 19.28 min Scan# 823

Delta R.T. -0.02 min

Lab File: BM000817.D

Acq: 02 Apr 2015 21:33

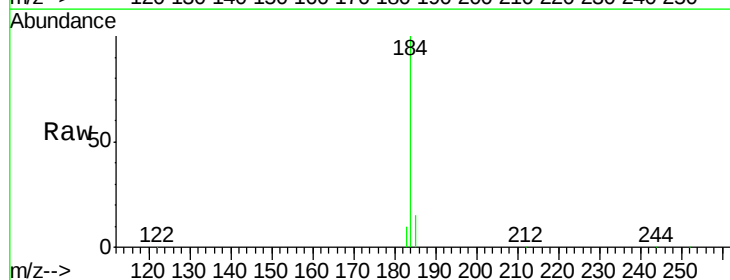
Tgt Ion:184 Resp: 48751

Ion Ratio Lower Upper

184 100

185 14.8 39.1 58.7#

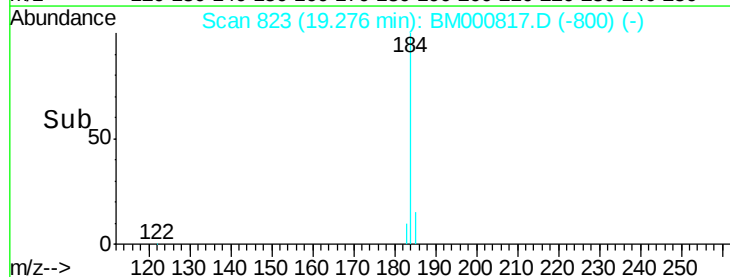
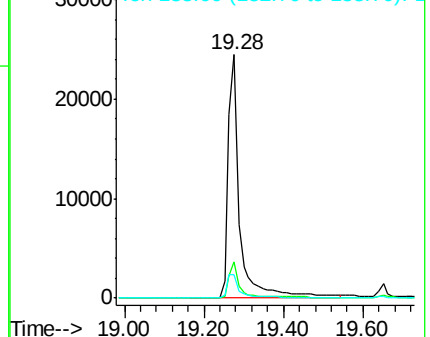
183 9.8 36.1 54.1#

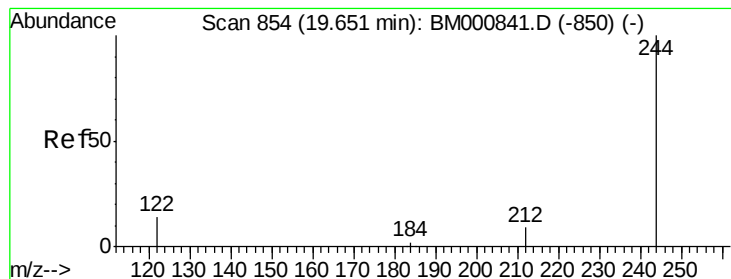


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#32

Terphenyl-d14

Concen: 5.01 ng

RT: 19.65 min Scan# 854

Delta R.T. -0.00 min

Lab File: BM000817.D

Acq: 02 Apr 2015 21:33

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

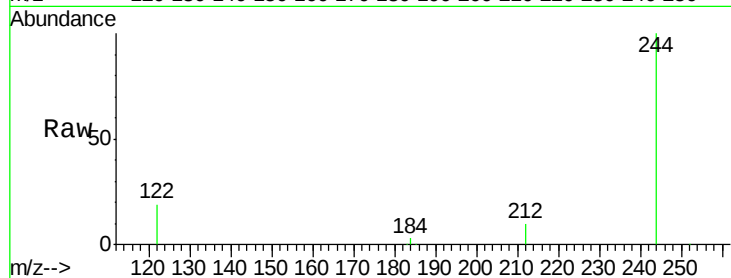
Tot Ion:244 Resp: 76181

Ion Ratio Lower Upper

244 100

212 9.8 8.0 12.0

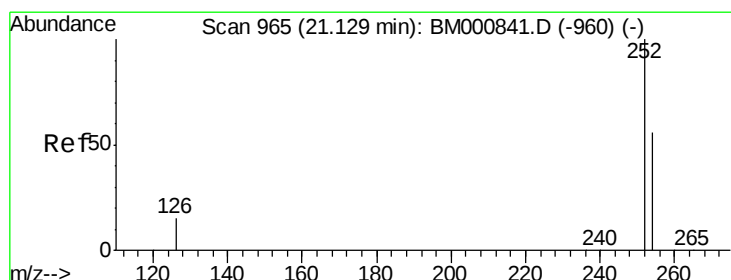
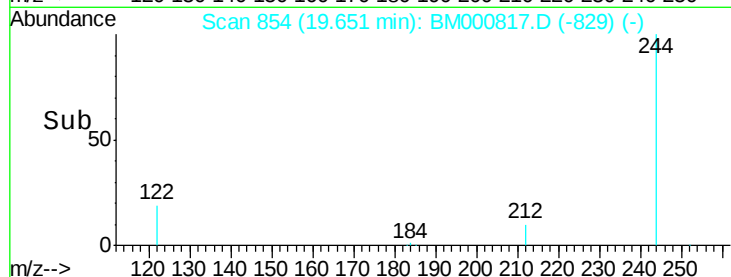
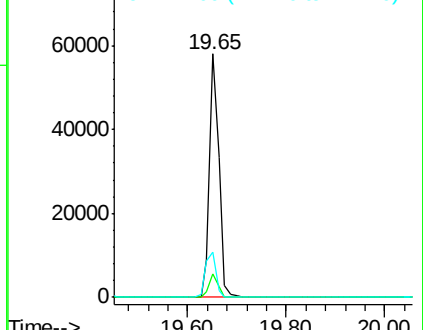
122 18.6 14.7 22.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#33

3,3'-Dichlorobenzidine

Concen: 6.88 ng

RT: 21.13 min Scan# 965

Delta R.T. 0.00 min

Lab File: BM000817.D

Acq: 02 Apr 2015 21:33

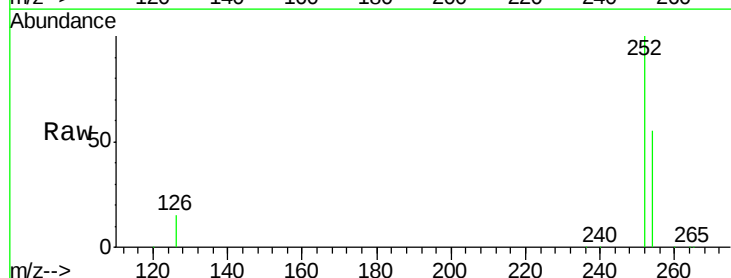
Tgt Ion:252 Resp: 58375

Ion Ratio Lower Upper

252 100

254 55.2 44.5 66.7

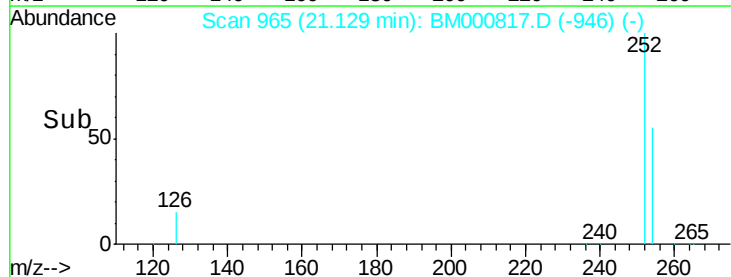
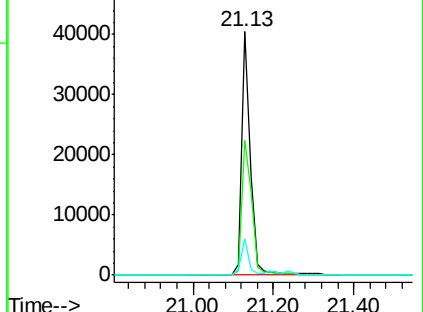
126 14.9 13.6 20.4

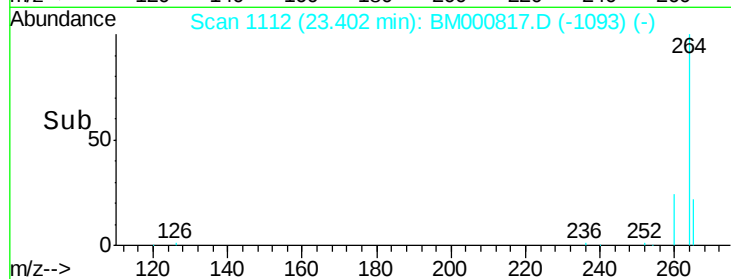
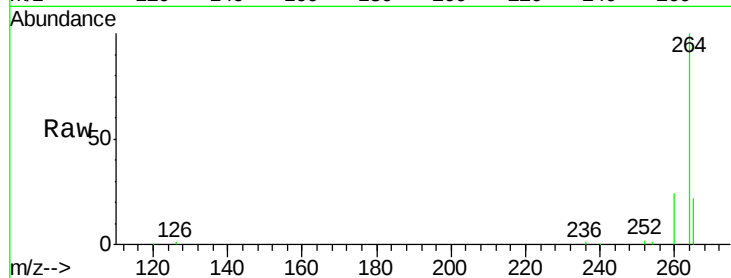
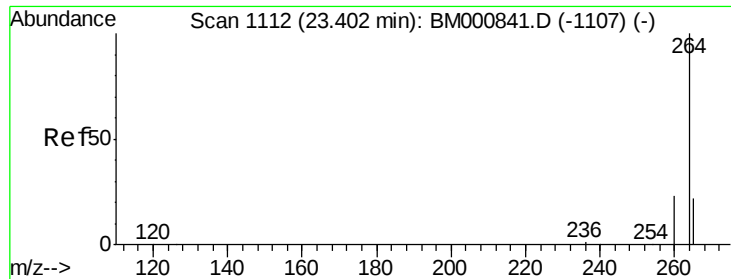


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#34

Pervlene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 1112

Delta R.T. -0.00 min

Lab File: BM000817.D

Acq: 02 Apr 2015 21:33

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

Tot Ion:264 Resp: 112992

Ion Ratio Lower Upper

264 100

260 23.7 19.1 28.7

265 22.3 17.5 26.3

