

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040315\
 Data File : BM000811.D
 Acq On : 02 Apr 2015 17:57
 Operator : TP/IZ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.1

Quant Time: Apr 03 18:11:07 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 17:33:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	29650	5.00	ng	0.00
11) Naphthalene-d8	10.39	136	136382	5.00	ng	0.00
19) Acenaphthene-d10	14.28	164	66317	5.00	ng	0.00
26) Phenanthrene-d10	17.00	188	133836	5.00	ng	0.00
30) Chrysene-d12	21.21	240	126845	5.00	ng	0.00
34) Perylene-d12	23.40	264	117903	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	781	0.10	ng	0.00
5) Phenol-d6	6.77	99	787	0.07	ng	0.00
12) Nitrobenzene-d5	8.77	82	701	0.11	ng	0.00
20) 2,4,6-Tribromophenol	15.77	330	155	0.08	ng	0.00
23) 2-Fluorobiphenyl	12.89	172	2093	0.10	ng	0.02
32) Terphenyl-d14	19.65	244	1465	0.10	ng	0.00

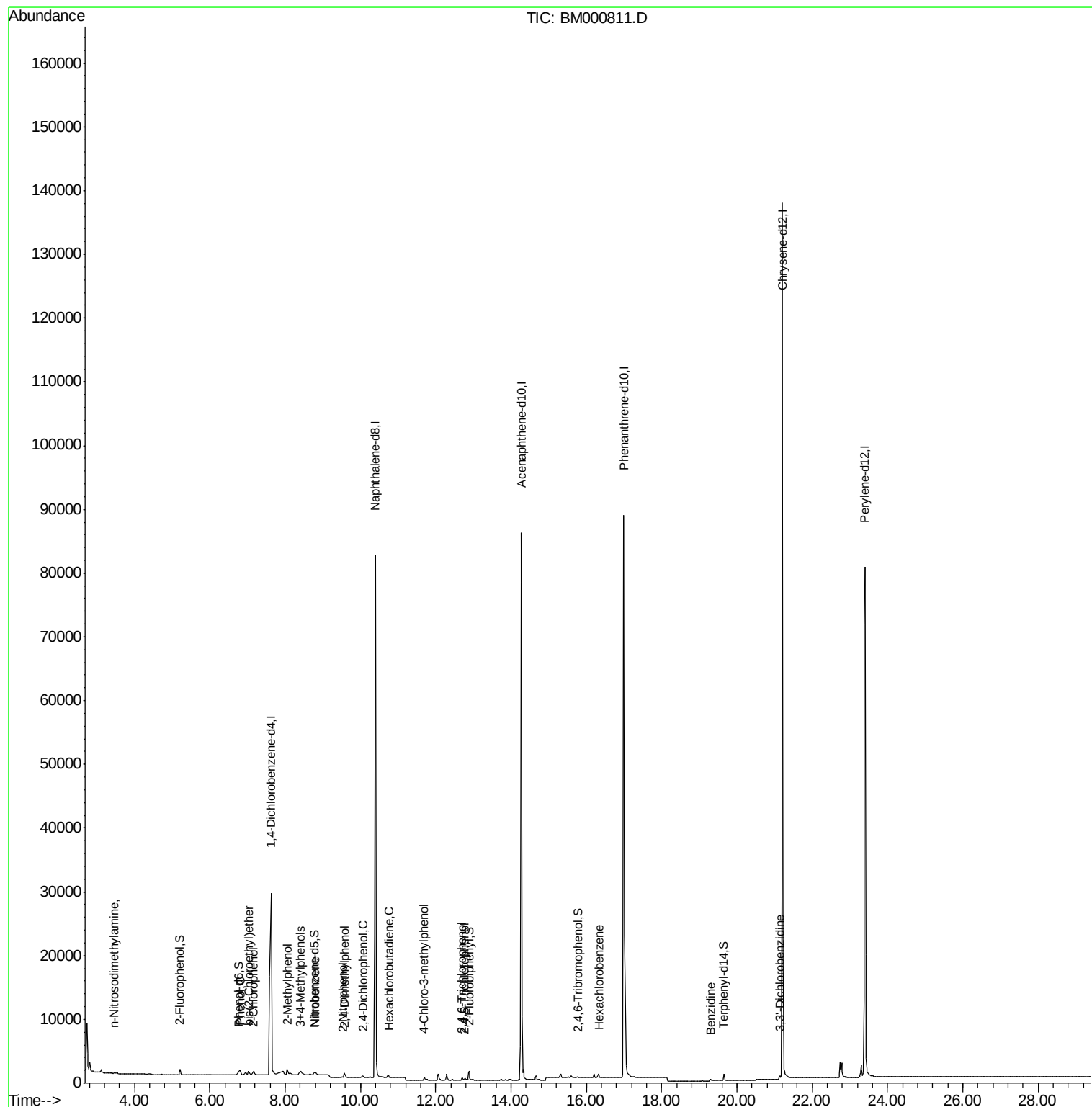
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.46	42	351	0.09	ng	# 1
6) 2-Chlorophenol	7.17	128	690	0.09	ng	# 50
7) Phenol	6.81	94	1097	0.09	ng	61
8) bis(2-Chloroethyl)ether	7.02	93	776m	0.09	ng	
9) 2-Methylphenol	8.06	107	708	0.08	ng	# 70
10) 3+4-Methylphenols	8.41	107	688	0.07	ng	# 51
13) Nitrobenzene	8.80	77	695	0.09	ng	# 67
14) 2-Nitrophenol	9.52	139	575	0.17	ng	# 22
15) 2,4-Dimethylphenol	9.58	122	675	0.09	ng	# 81
16) 2,4-Dichlorophenol	10.07	162	554	0.08	ng	85
17) Hexachlorobutadiene	10.75	225	520	0.10	ng	93
18) 4-Chloro-3-methylphenol	11.69	107	617	0.09	ng	90
21) 2,4,6-Trichlorophenol	12.70	196	270	0.08	ng	# 63
22) 2,4,5-Trichlorophenol	12.77	196	362	0.08	ng	83
28) Hexachlorobenzene	16.33	284	809	0.11	ng	# 75
31) Benzidine	19.30	184	965	0.19	ng	# 80
33) 3,3'-Dichlorobenzidine	21.14	252	758	0.09	ng	# 75

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

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Quant Time: Apr 03 18:11:07 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIM-BM040315.M
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QLast Update : Fri Apr 03 17:33:31 2015
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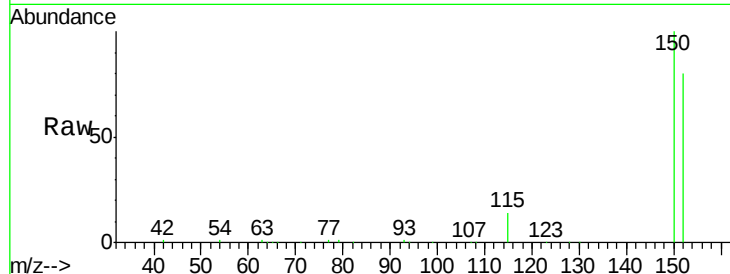


#1

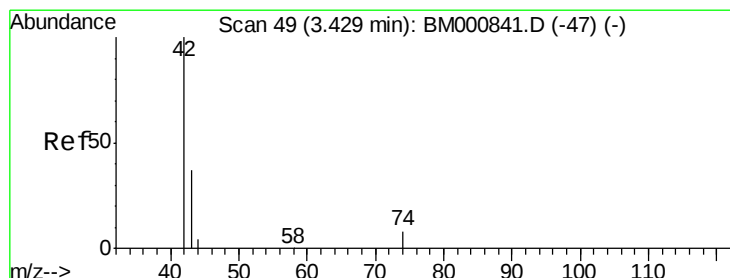
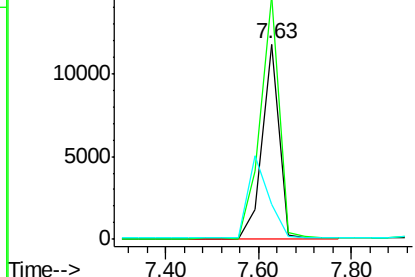
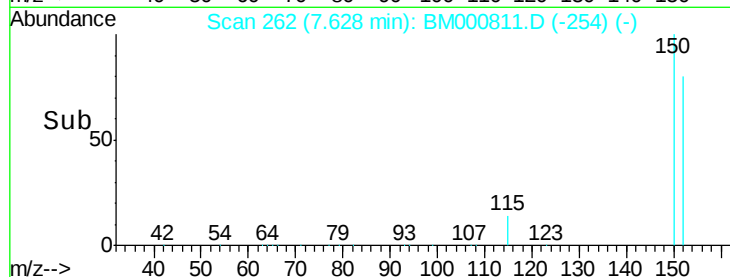
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.63 min Scan# 262
Delta R.T. -0.00 min
Lab File: BM000811.D
Acq: 02 Apr 2015 17:57

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.1

Tot Ion	Ratio	Lower	Upper
152	100		
150	124.8	99.8	149.6
115	18.0	13.5	20.3



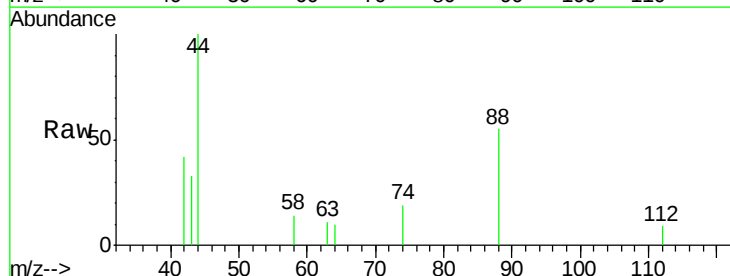
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



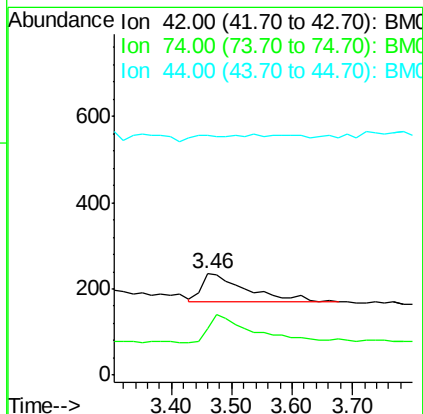
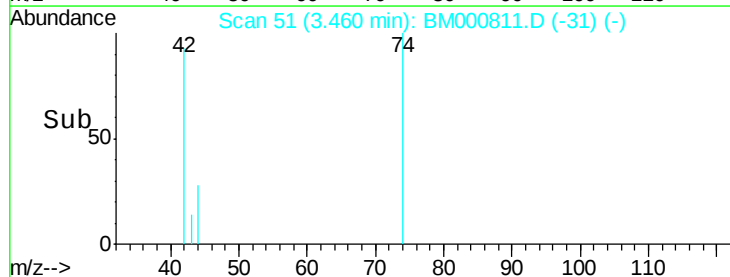
#3

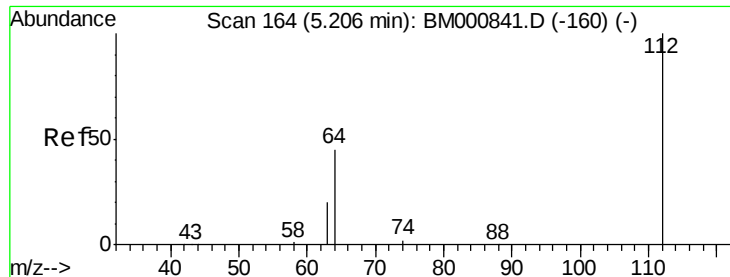
n-Nitrosodimethylamine
Concen: 0.09 ng
RT: 3.46 min Scan# 51
Delta R.T. 0.02 min
Lab File: BM000811.D
Acq: 02 Apr 2015 17:57

Tgt Ion	Ratio	Lower	Upper
42	100		
74	46.0	93.1	139.7#
44	237.0	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: 0.10 ng

RT: 5.21 min Scan# 164

Delta R.T. -0.00 min

Lab File: BM000811.D

Acq: 02 Apr 2015 17:57

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

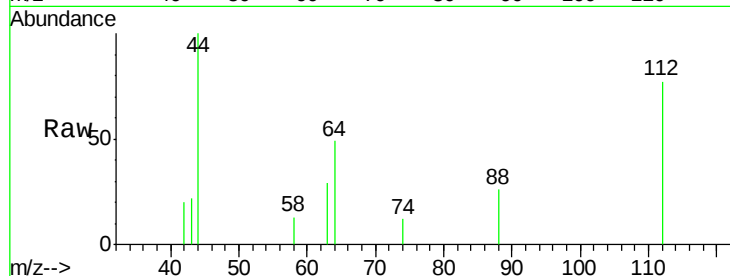
Tot Ion:112 Resp: 781

Ion Ratio Lower Upper

112 100

64 63.2 40.3 60.5#

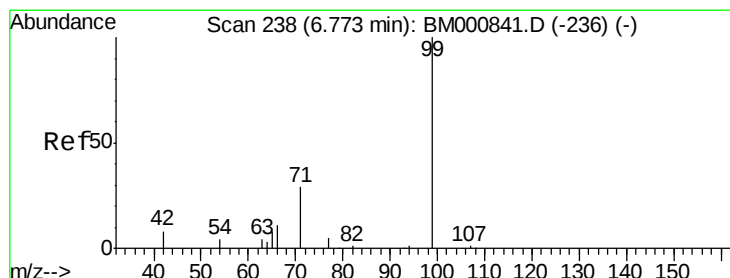
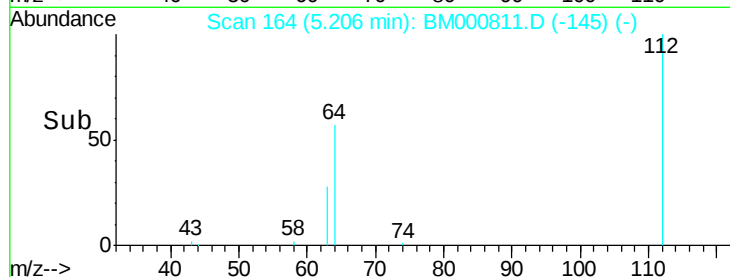
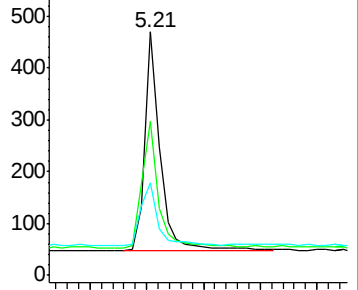
63 37.9 19.0 28.4#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#5

Phenol-d6

Concen: 0.07 ng

RT: 6.77 min Scan# 238

Delta R.T. 0.00 min

Lab File: BM000811.D

Acq: 02 Apr 2015 17:57

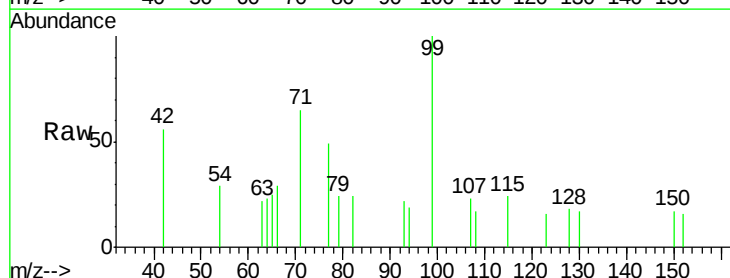
Tgt Ion: 99 Resp: 787

Ion Ratio Lower Upper

99 100

42 55.8 10.2 15.4#

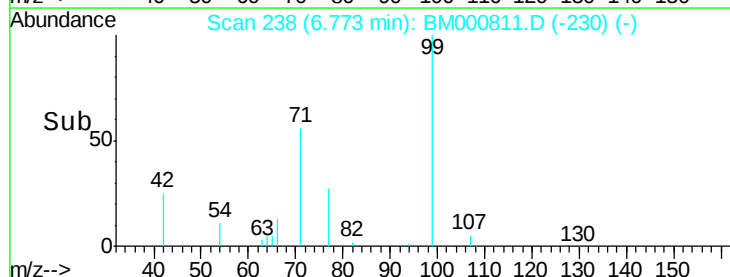
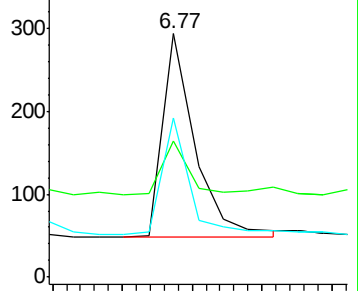
71 65.3 28.6 43.0#

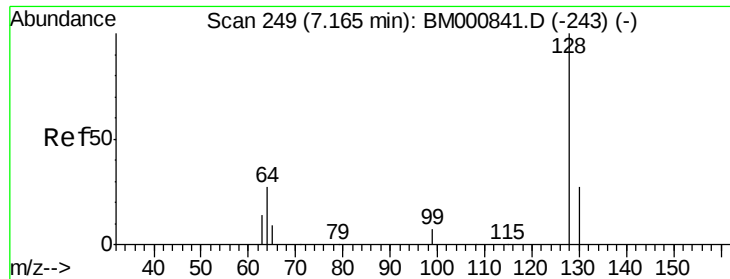


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#6

2-Chlorophenol

Concen: 0.09 ng

RT: 7.17 min Scan# 249

Delta R.T. 0.00 min

Lab File: BM000811.D

Acq: 02 Apr 2015 17:57

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

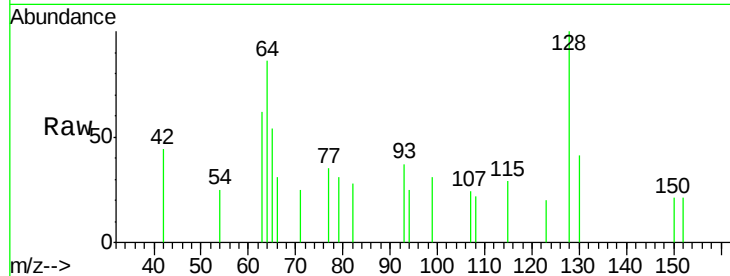
Tot Ion:128 Resp: 690

Ion Ratio Lower Upper

128 100

130 40.5 7.6 47.6

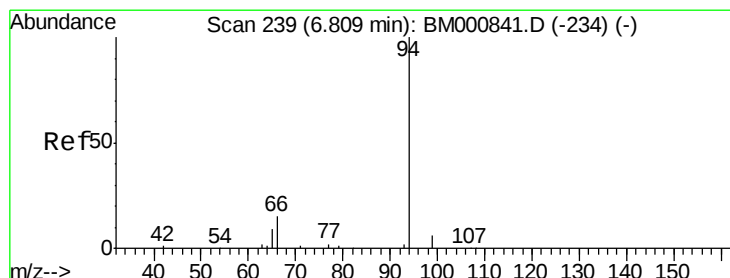
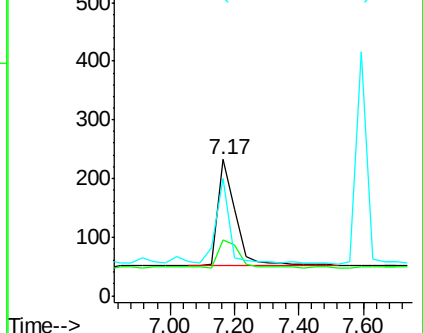
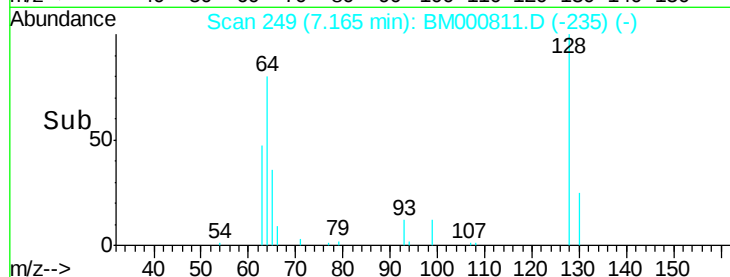
64 85.8 23.1 63.1#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BM



#7

Phenol

Concen: 0.09 ng

RT: 6.81 min Scan# 239

Delta R.T. -0.00 min

Lab File: BM000811.D

Acq: 02 Apr 2015 17:57

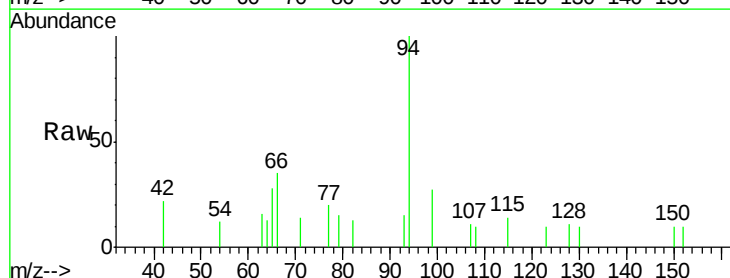
Tgt Ion: 94 Resp: 1097

Ion Ratio Lower Upper

94 100

65 27.8 0.0 32.0

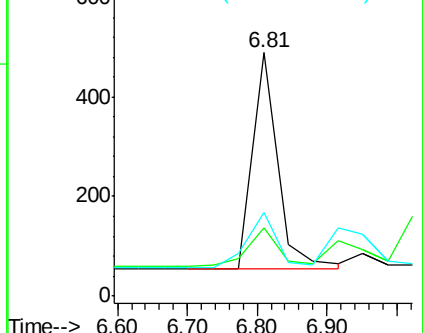
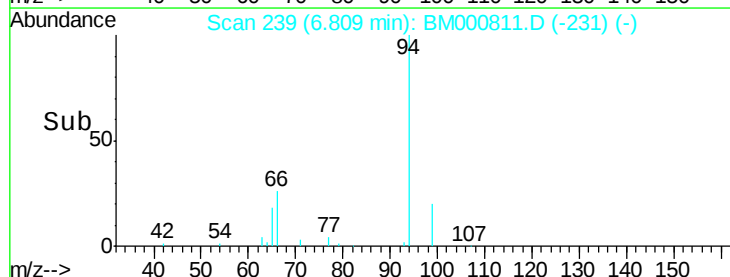
66 34.6 0.0 37.6

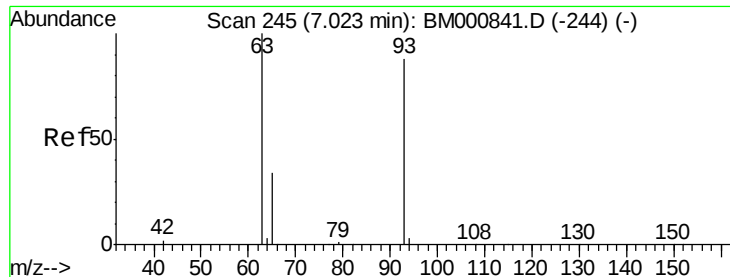


Abundance Ion 94.00 (93.70 to 94.70): BM

Ion 65.00 (64.70 to 65.70): BM

Ion 66.00 (65.70 to 66.70): BM



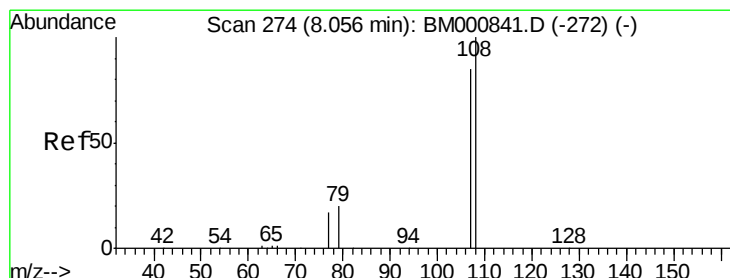
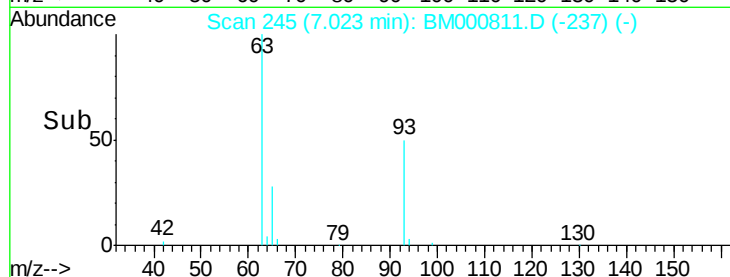
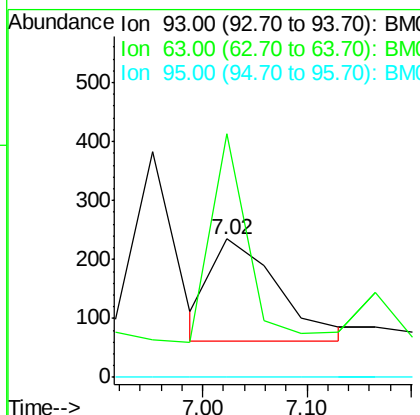
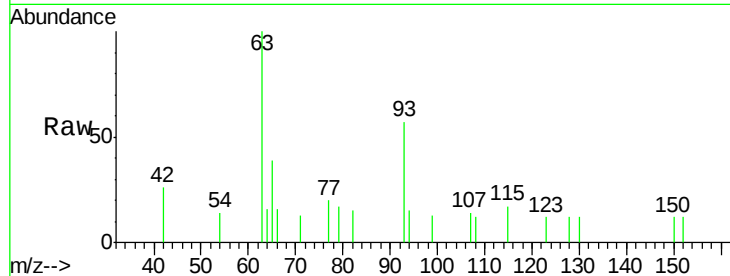


#8

bis(2-Chloroethyl)ether
 Concen: 0.09 ng/ml
 RT: 7.02 min Scan# 245
 Delta R.T. 0.00 min
 Lab File: BM000811.D
 Acq: 02 Apr 2015 17:57

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.1

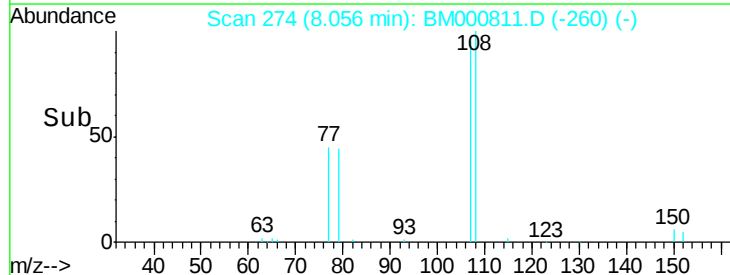
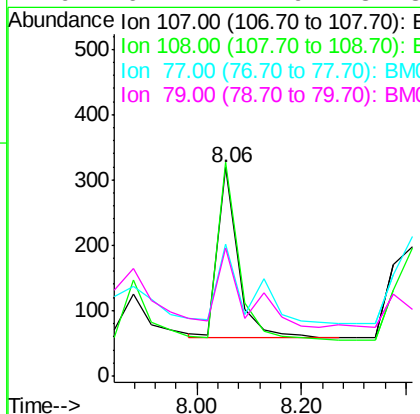
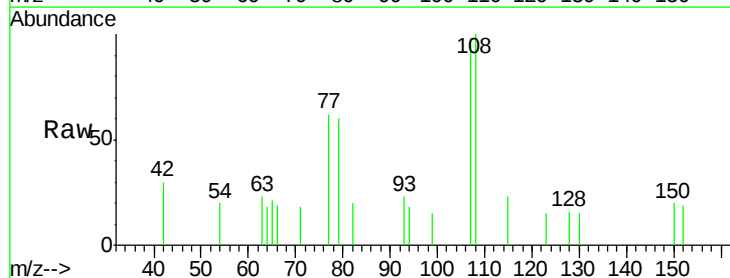
Tot Ion: 93 Resp: 776
 Ion Ratio Lower Upper
 93 100
 63 175.7 118.9 158.9#
 95 0.0 0.0 20.0

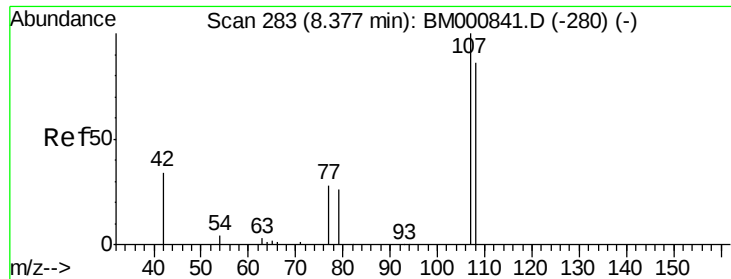


#9

2-Methylphenol
 Concen: 0.08 ng/ml
 RT: 8.06 min Scan# 274
 Delta R.T. -0.00 min
 Lab File: BM000811.D
 Acq: 02 Apr 2015 17:57

Tgt Ion: 107 Resp: 708
 Ion Ratio Lower Upper
 107 100
 108 102.5 92.0 138.0
 77 63.3 20.6 31.0#
 79 61.4 22.9 34.3#

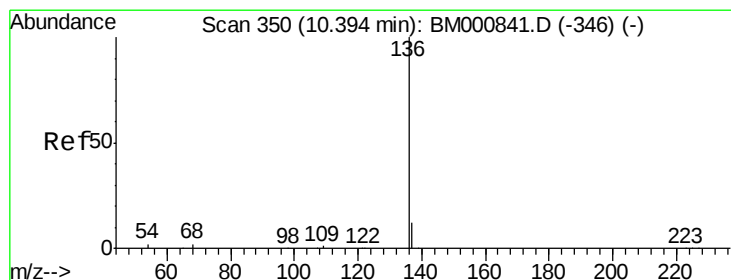
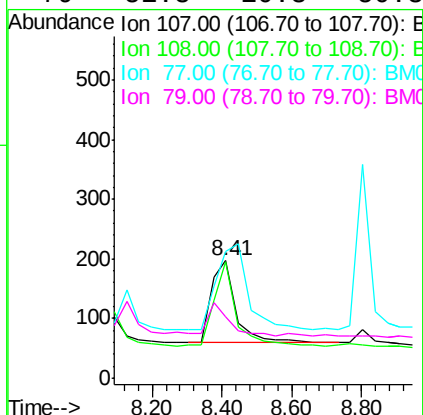
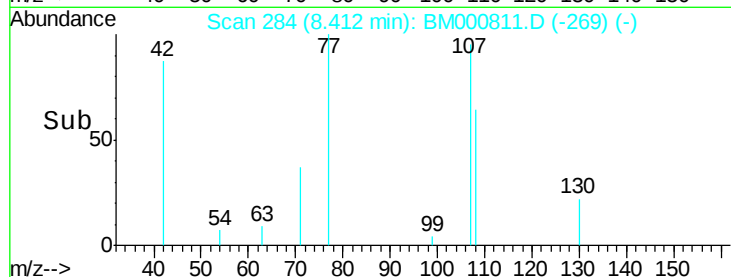
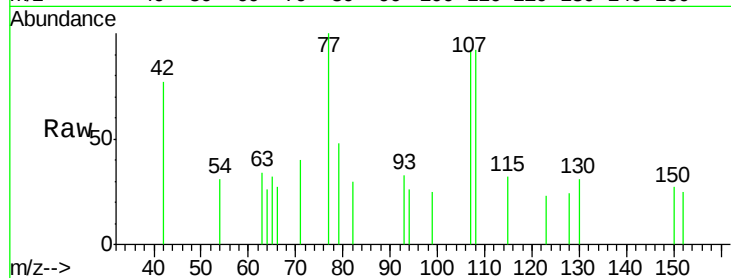




#10
3+4-Methylphenols
Concen: 0.07 ng
RT: 8.41 min Scan# 284
Delta R.T. 0.04 min
Lab File: BM000811.D
Acq: 02 Apr 2015 17:57

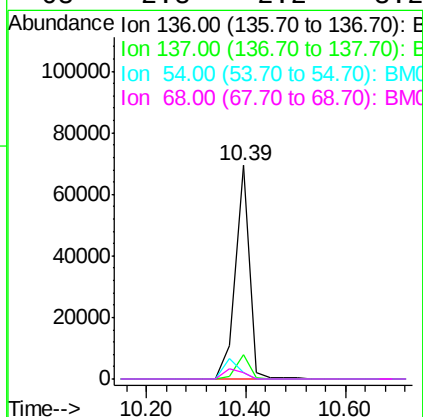
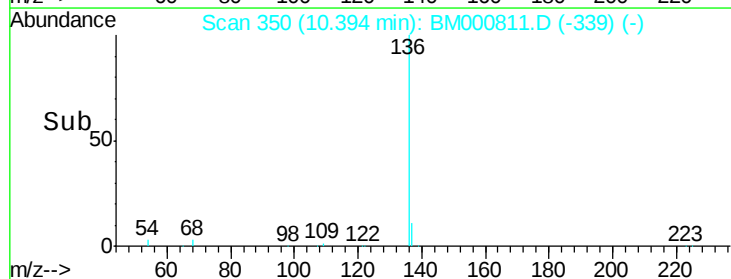
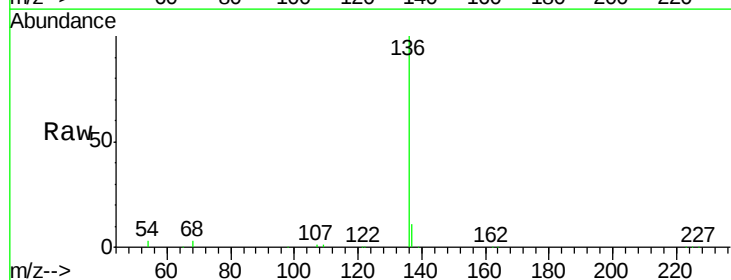
Instrument :
BNA_M
ClientSampled :
SSTDICC0.1

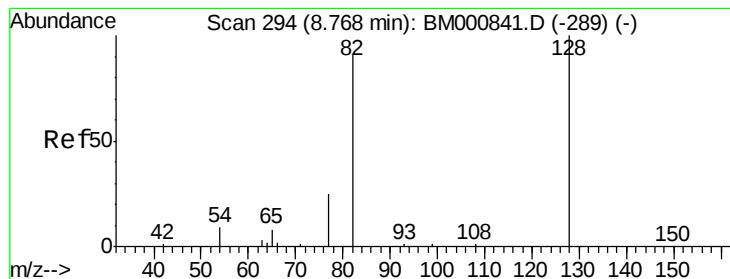
Tot Ion:107 Resp: 688
Ion Ratio Lower Upper
107 100
108 99.0 62.6 102.6
77 108.1 12.8 52.8#
79 51.8 10.3 50.3#



#11
Naphthalene-d8
Concen: 5.00 ng
RT: 10.39 min Scan# 350
Delta R.T. -0.00 min
Lab File: BM000811.D
Acq: 02 Apr 2015 17:57

Tgt Ion:136 Resp: 136382
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 2.9 2.2 3.4
68 2.8 2.2 3.2





#12

Nitrobenzene-d5

Concen: 0.11 ng

RT: 8.77 min Scan# 294

Delta R.T. -0.00 min

Lab File: BM000811.D

Acq: 02 Apr 2015 17:57

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

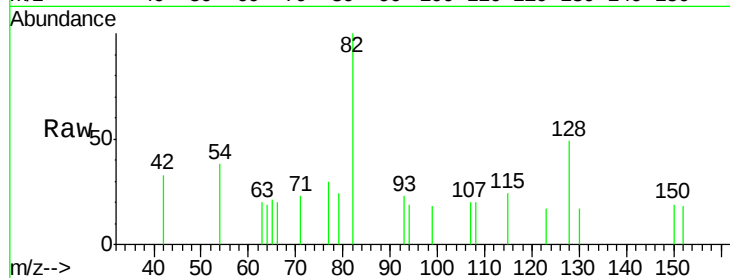
Tot Ion: 82 Resp: 701

Ion Ratio Lower Upper

82 100

128 49.3 72.5 108.7#

54 37.6 11.8 17.8#



Abundance Ion 82.00 (81.70 to 82.70): BM000811.D (-289) (-)

Ion 128.00 (127.70 to 128.70): BM000811.D (-289) (-)

Ion 54.00 (53.70 to 54.70): BM000811.D (-289) (-)

Time-->

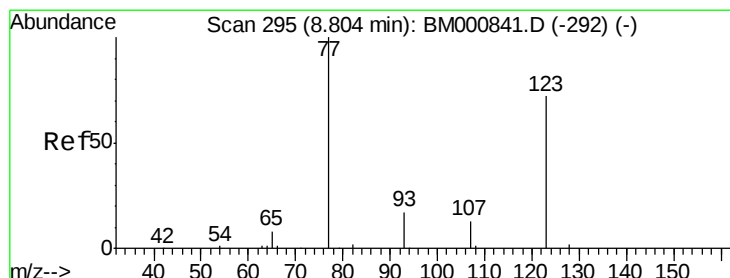
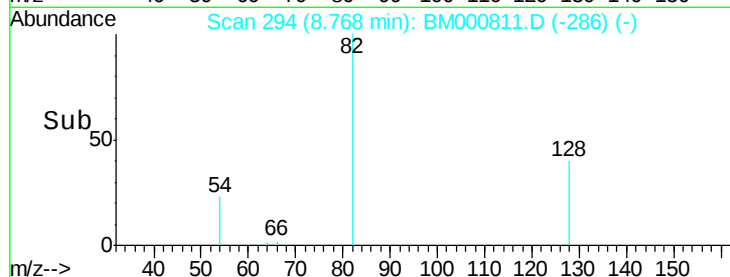
8.60 8.77 8.80

300

200

100

0



#13

Nitrobenzene

Concen: 0.09 ng

RT: 8.80 min Scan# 295

Delta R.T. -0.00 min

Lab File: BM000811.D

Acq: 02 Apr 2015 17:57

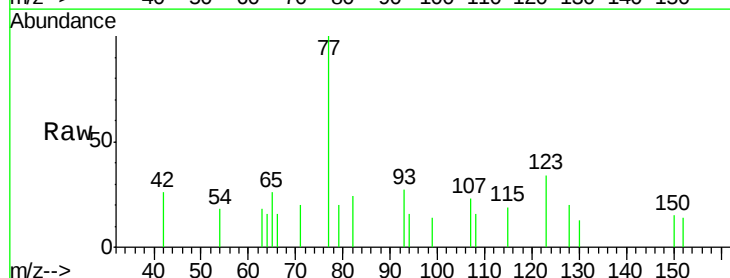
Tgt Ion: 77 Resp: 695

Ion Ratio Lower Upper

77 100

123 34.4 45.8 68.6#

65 25.7 8.2 12.4#



Abundance Ion 77.00 (76.70 to 77.70): BM000811.D (-292) (-)

Ion 123.00 (122.70 to 123.70): BM000811.D (-292) (-)

Ion 65.00 (64.70 to 65.70): BM000811.D (-292) (-)

Time-->

8.60 8.77 8.80 8.90 9.00

500

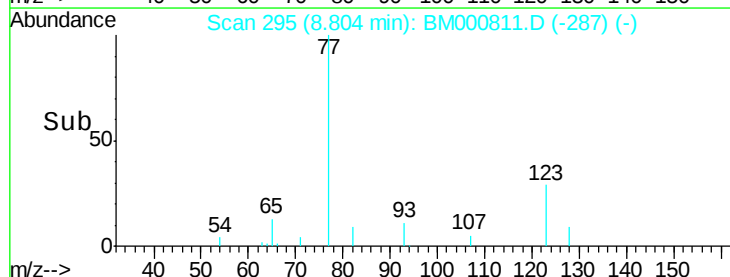
400

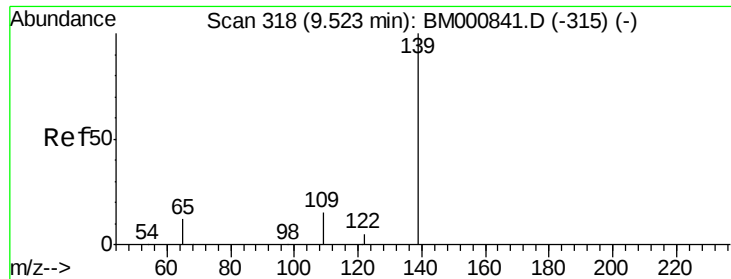
300

200

100

0

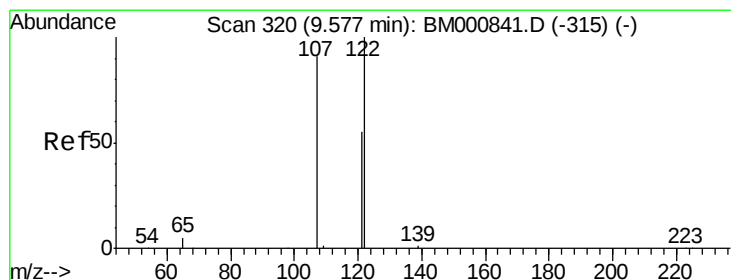
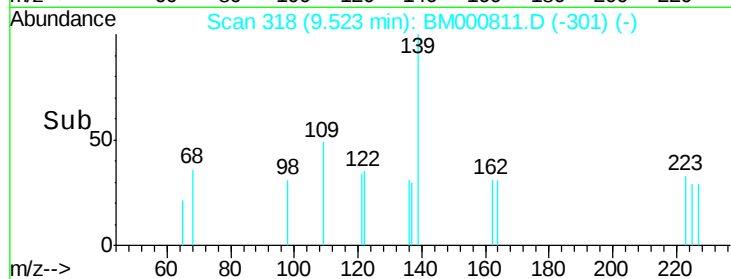
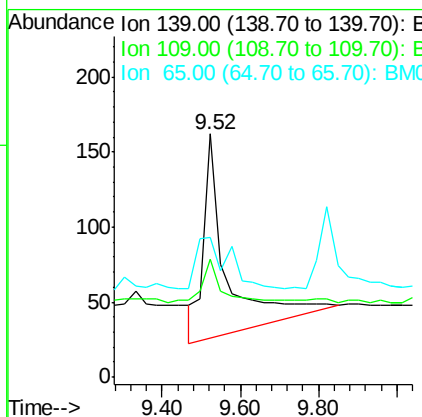
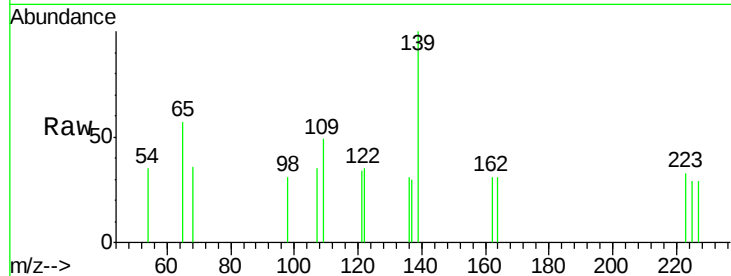




#14
2-Nitrophenol
Concen: 0.17 ng
RT: 9.52 min Scan# 318
Delta R.T. 0.00 min
Lab File: BM000811.D
Acq: 02 Apr 2015 17:57

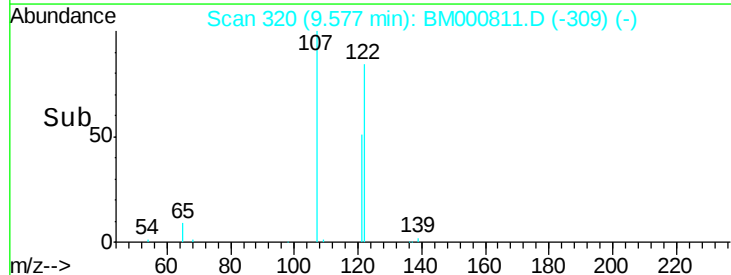
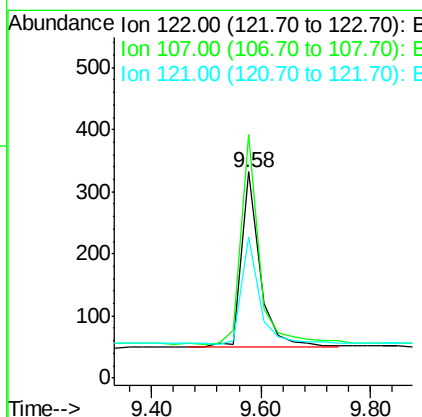
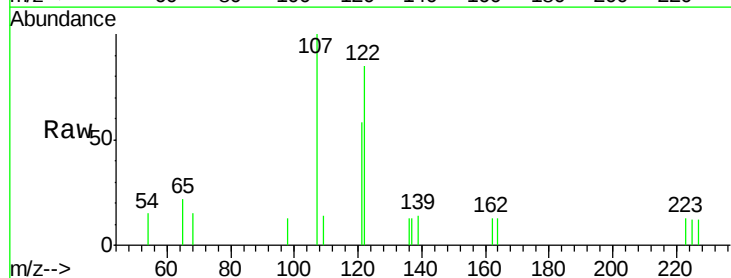
Instrument :
BNA_M
ClientSampleId :
SSTDIC0.1

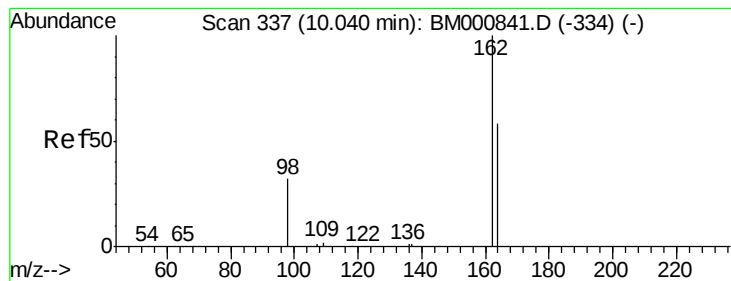
Tot Ion:139 Resp: 575
Ion Ratio Lower Upper
139 100
109 48.8 15.0 22.6#
65 57.4 14.2 21.4#



#15
2,4-Dimethylphenol
Concen: 0.09 ng
RT: 9.58 min Scan# 320
Delta R.T. -0.00 min
Lab File: BM000811.D
Acq: 02 Apr 2015 17:57

Tgt Ion:122 Resp: 675
Ion Ratio Lower Upper
122 100
107 118.1 78.2 117.4#
121 68.4 45.4 68.0#

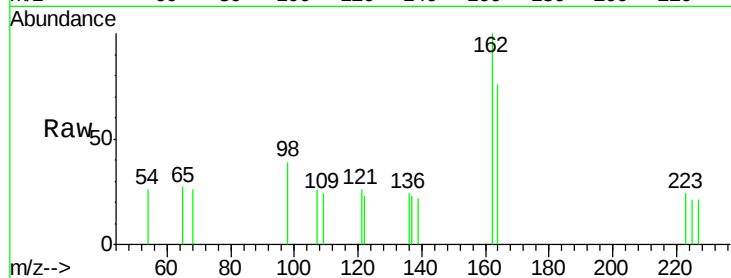




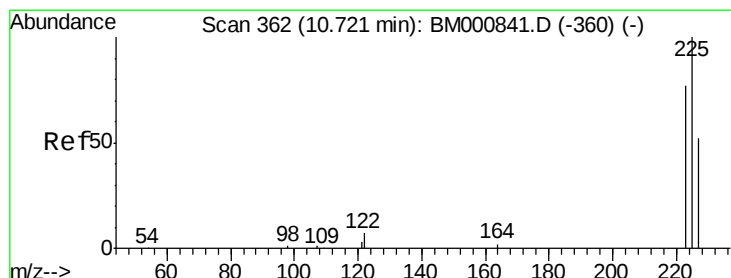
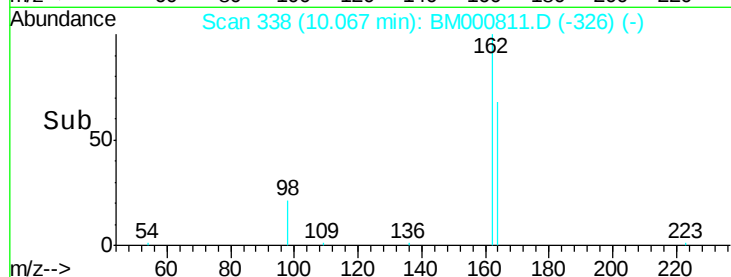
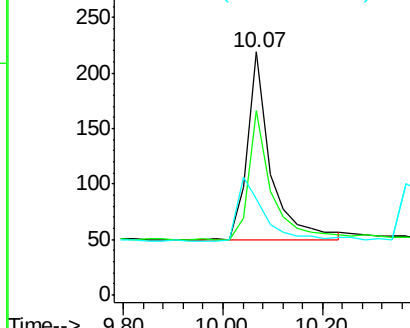
#16
2,4-Dichlorophenol
Concen: 0.08 ng
RT: 10.07 min Scan# 338
Delta R.T. 0.03 min
Lab File: BM000811.D
Acq: 02 Apr 2015 17:57

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.1

Tot Ion	Ratio	Lower	Upper
162	100		
164	75.8	37.1	77.1
98	39.3	19.5	59.5

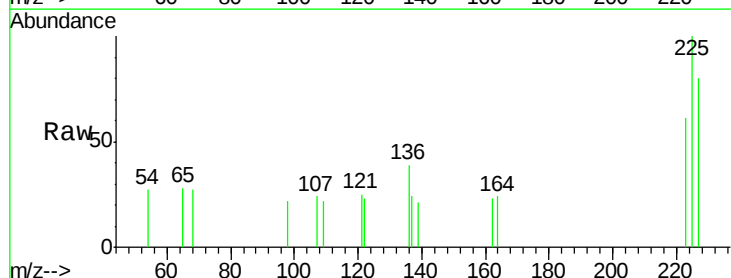


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BM

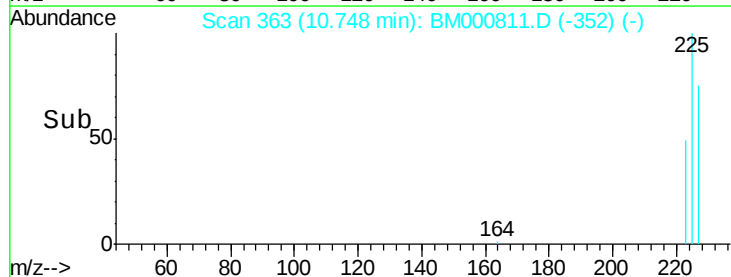
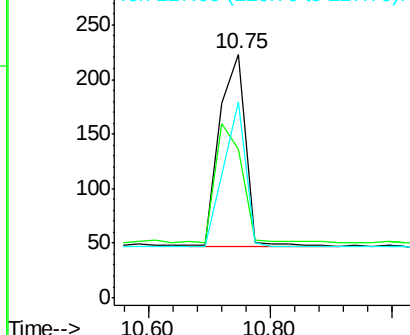


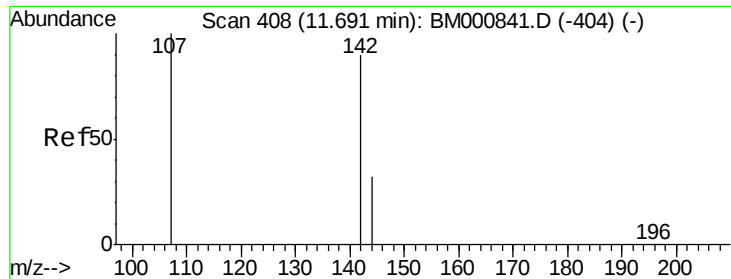
#17
Hexachlorobutadiene
Concen: 0.10 ng
RT: 10.75 min Scan# 363
Delta R.T. -0.00 min
Lab File: BM000811.D
Acq: 02 Apr 2015 17:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	40.8	61.2
227	80.3	62.8	94.2



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

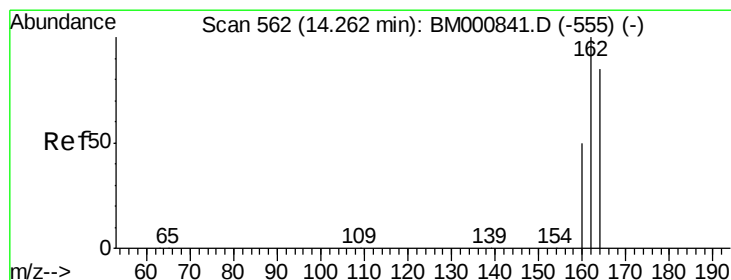
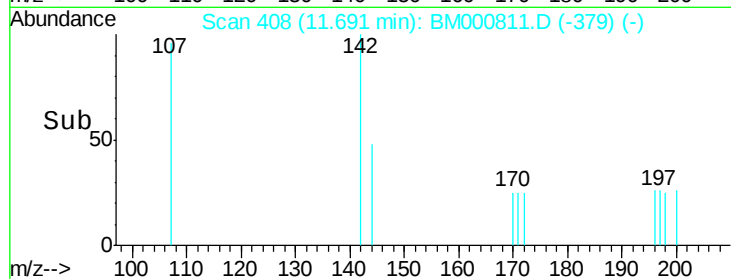
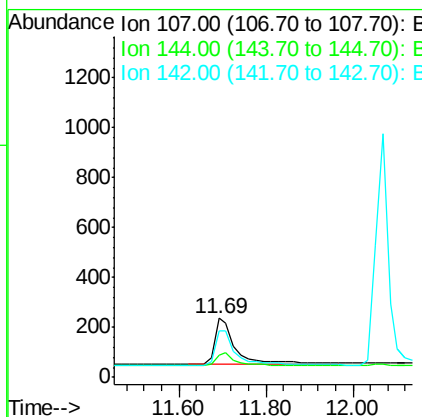
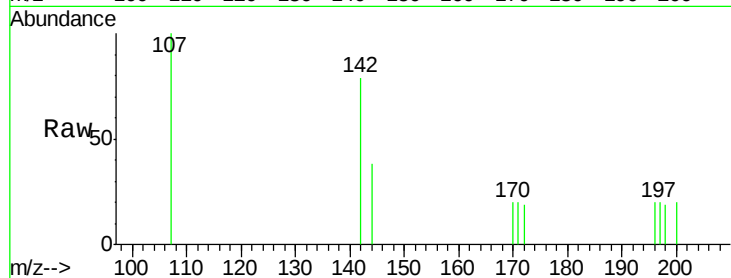




#18
4-Chloro-3-methylphenol
Concen: 0.09 ng
RT: 11.69 min Scan# 408
Delta R.T. -0.00 min
Lab File: BM000811.D
Acq: 02 Apr 2015 17:57

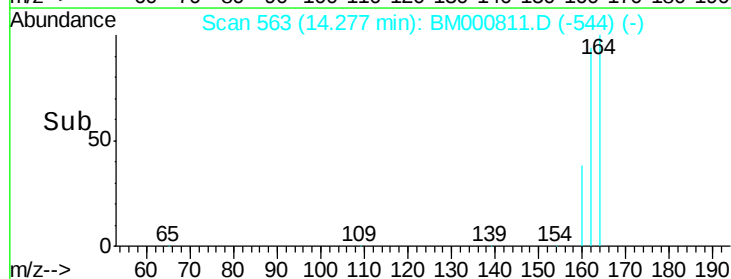
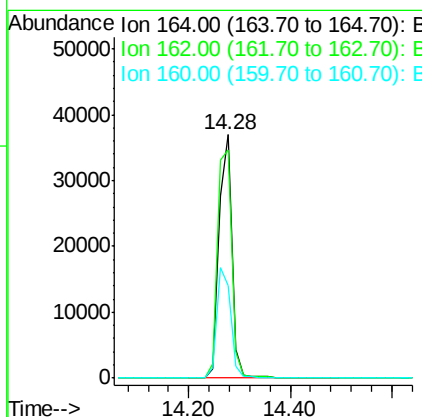
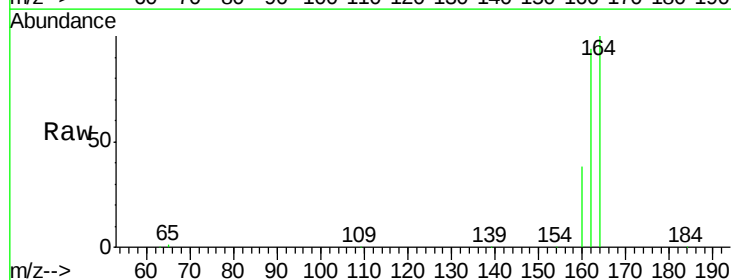
Instrument :
BNA_M
ClientSampleId :
SSTDIC0.1

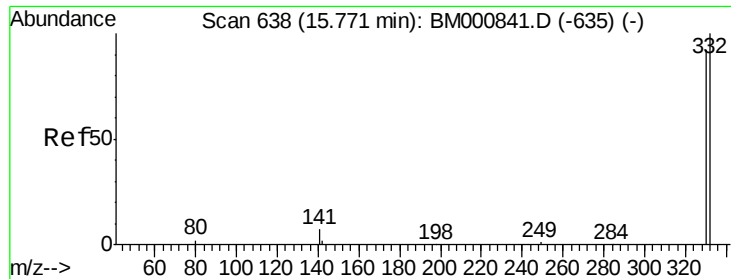
Tot Ion:107 Resp: 617
Ion Ratio Lower Upper
107 100
144 37.7 25.8 38.8
142 79.2 71.3 106.9



#19
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.28 min Scan# 563
Delta R.T. -0.00 min
Lab File: BM000811.D
Acq: 02 Apr 2015 17:57

Tgt Ion:164 Resp: 66317
Ion Ratio Lower Upper
164 100
162 93.7 74.2 111.2
160 38.2 30.4 45.6

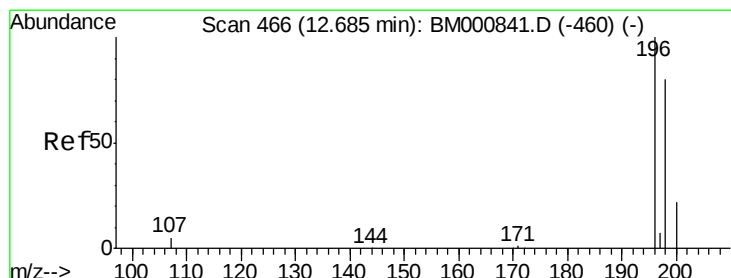
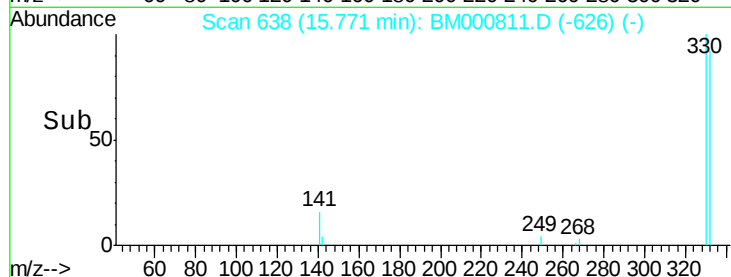
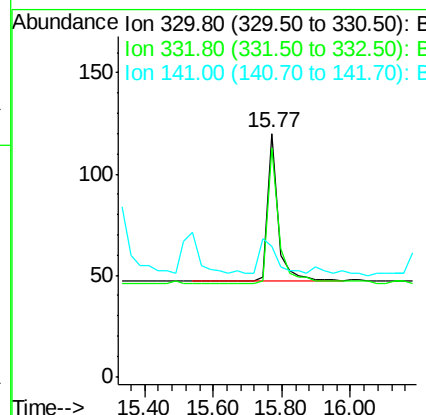
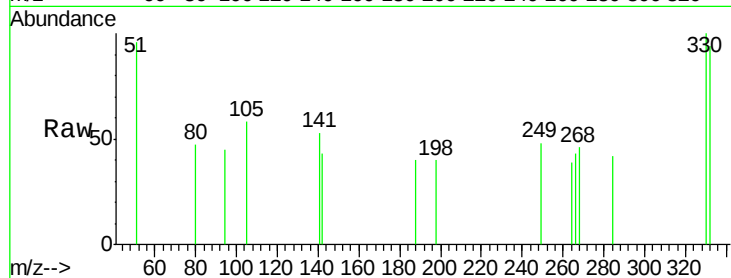




#20
 2,4,6-Tribromophenol
 Concen: 0.08 ng
 RT: 15.77 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: BM000811.D
 Acq: 02 Apr 2015 17:57

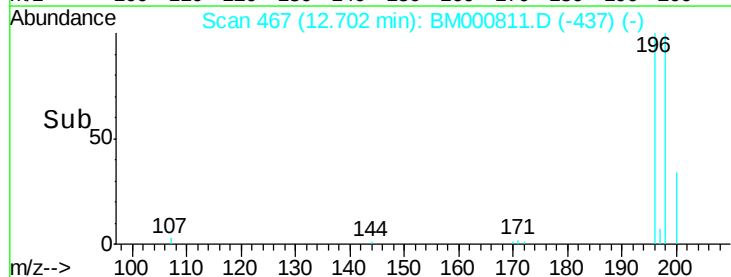
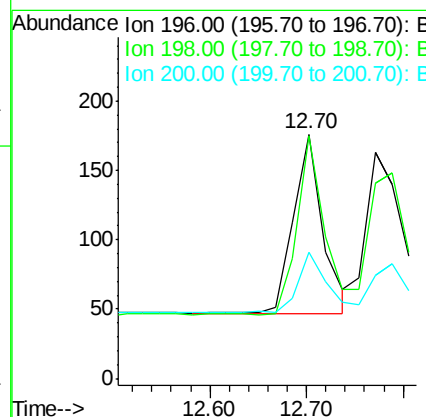
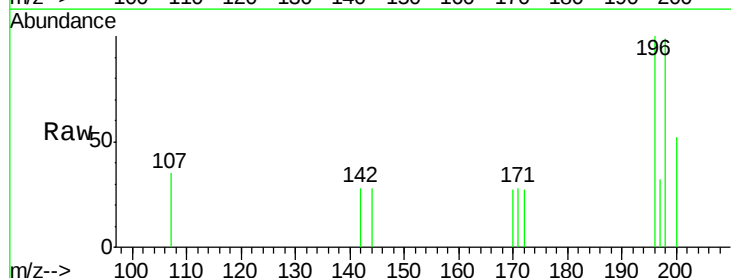
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.1

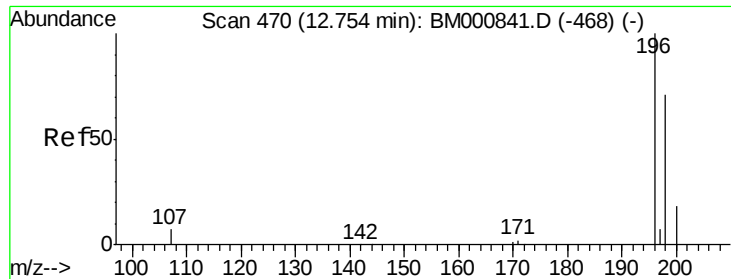
Tot Ion:330 Resp: 155
 Ion Ratio Lower Upper
 330 100
 332 96.8 78.7 118.1
 141 0.0 0.0 0.0



#21
 2,4,6-Trichlorophenol
 Concen: 0.08 ng
 RT: 12.70 min Scan# 467
 Delta R.T. 0.02 min
 Lab File: BM000811.D
 Acq: 02 Apr 2015 17:57

Tgt Ion:196 Resp: 270
 Ion Ratio Lower Upper
 196 100
 198 99.4 59.5 89.3#
 200 51.7 17.4 26.0#





#22

2,4,5-Trichlorophenol

Concen: 0.08 ng

RT: 12.77 min Scan# 471

Delta R.T. 0.02 min

Lab File: BM000811.D

Acq: 02 Apr 2015 17:57

Instrument :

BNA_M

ClientSampleId :

SSTDICC0.1

Tot Ion:196 Resp: 362

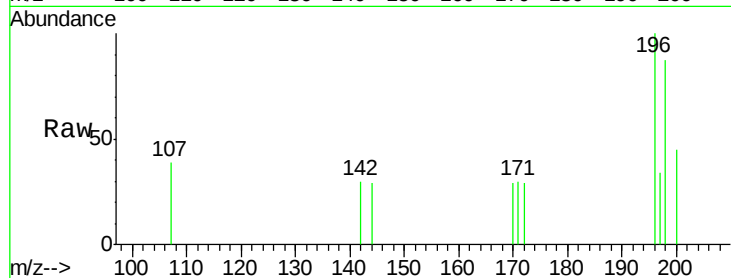
Ion Ratio Lower Upper

196 100

198 86.5 57.9 86.9

97 0.0 0.0 0.0

132 0.0 0.0 0.0

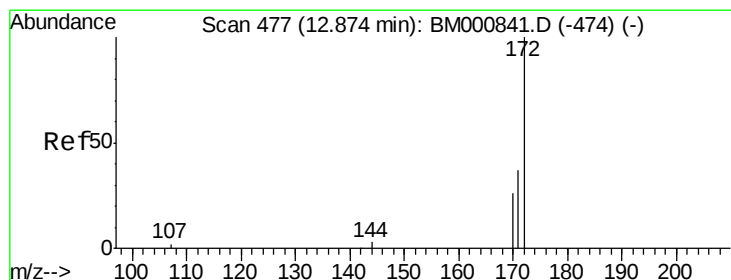
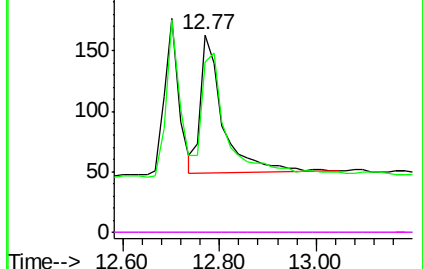
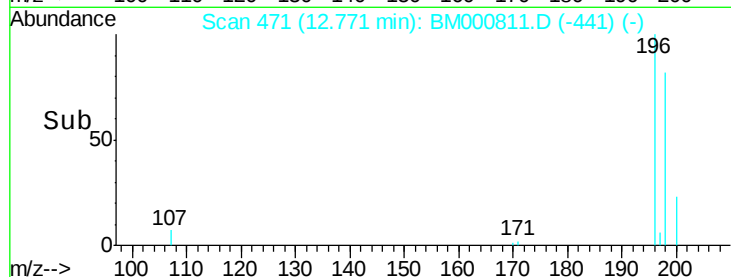


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BM

Ion 132.00 (131.70 to 132.70): E



#23

2-Fluorobiphenyl

Concen: 0.10 ng

RT: 12.89 min Scan# 478

Delta R.T. 0.02 min

Lab File: BM000811.D

Acq: 02 Apr 2015 17:57

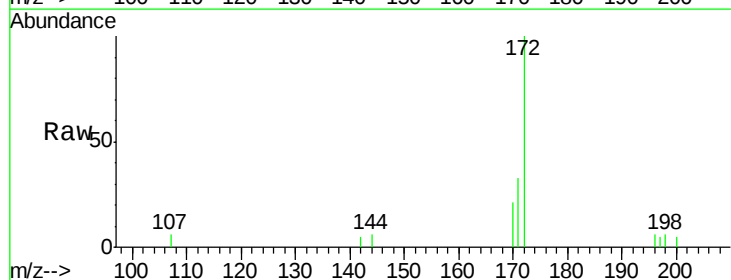
Tgt Ion:172 Resp: 2093

Ion Ratio Lower Upper

172 100

171 33.0 30.6 46.0

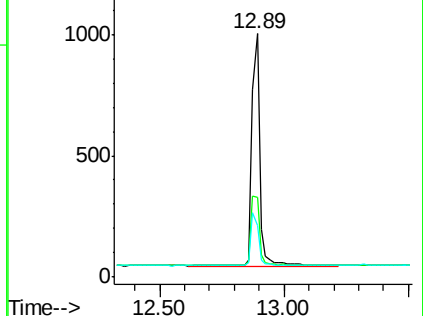
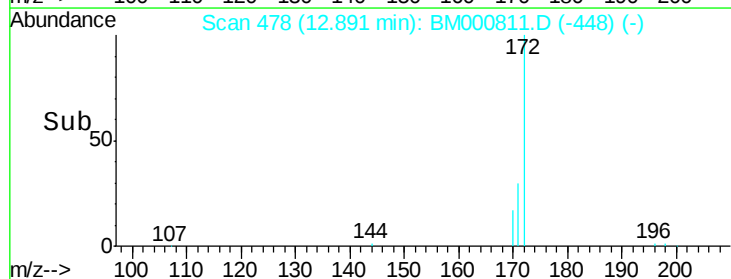
170 21.1 22.2 33.2#

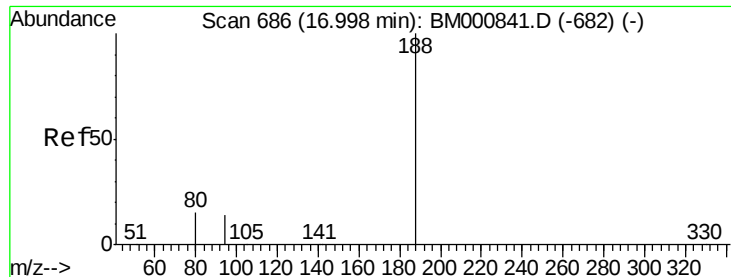


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

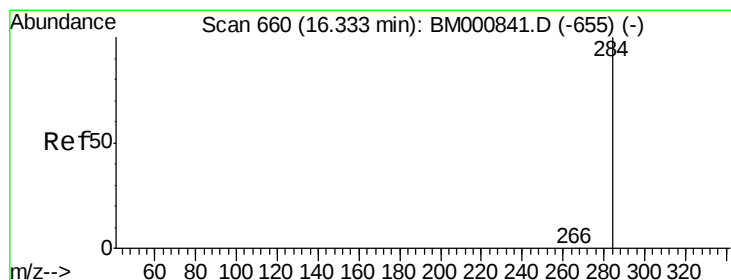
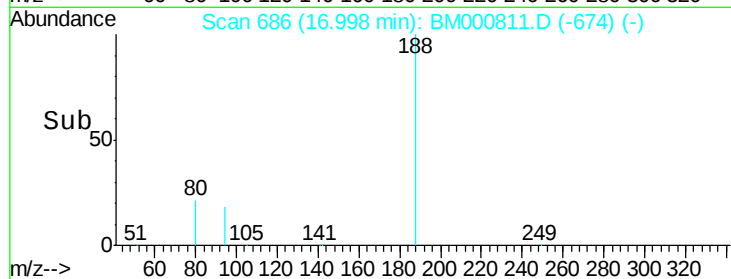
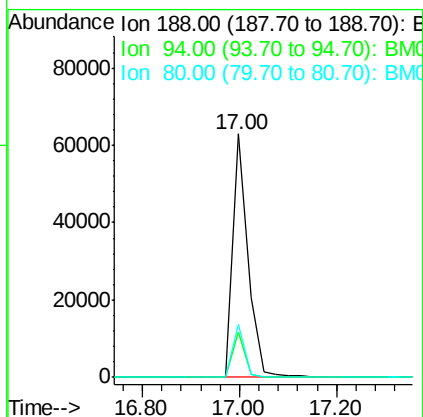
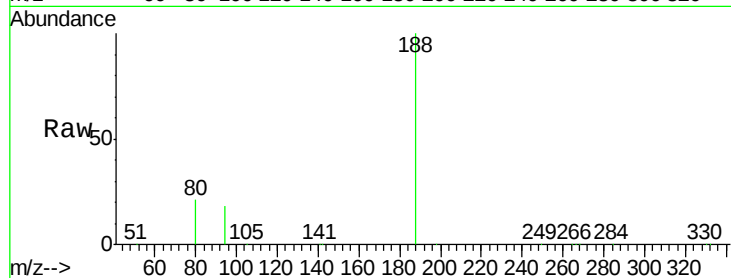




#26
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.00 min Scan# 686
Delta R.T. -0.00 min
Lab File: BM000811.D
Acq: 02 Apr 2015 17:57

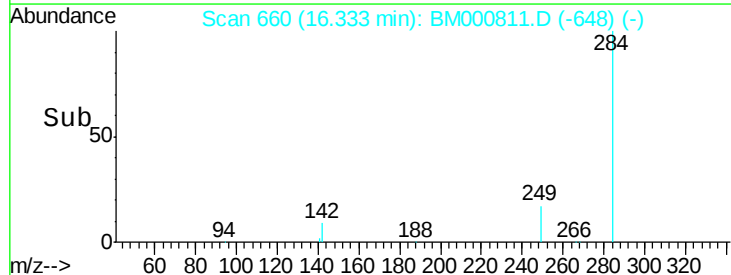
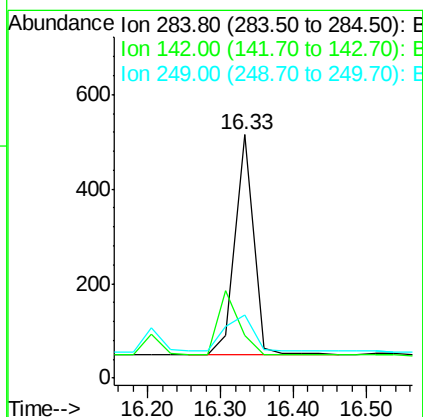
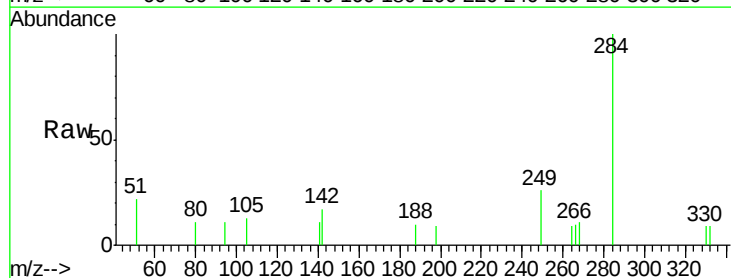
Instrument :
BNA_M
ClientSampleId :
SSTDIC0.1

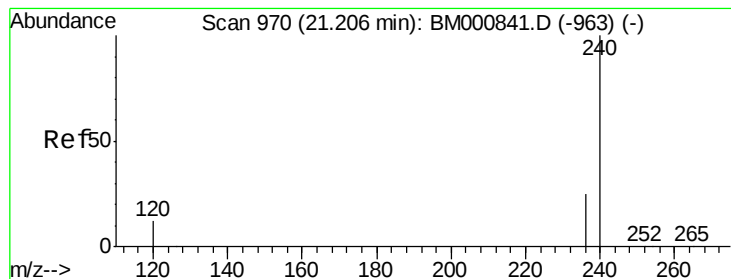
Tot Ion	Ratio	Lower	Upper
188	100		
94	18.5	13.0	19.6
80	21.5	14.7	22.1



#28
Hexachlorobenzene
Concen: 0.11 ng
RT: 16.33 min Scan# 660
Delta R.T. 0.00 min
Lab File: BM000811.D
Acq: 02 Apr 2015 17:57

Tgt Ion	Ratio	Lower	Upper
284	100		
142	17.5	6.5	9.7#
249	25.8	12.6	18.8#





#30

Chrysene-d12

Concen: 5.00 ng

RT: 21.21 min Scan# 970

Delta R.T. -0.00 min

Lab File: BM000811.D

Acq: 02 Apr 2015 17:57

Instrument :

BNA_M

ClientSampleId :

SSTDICC0.1

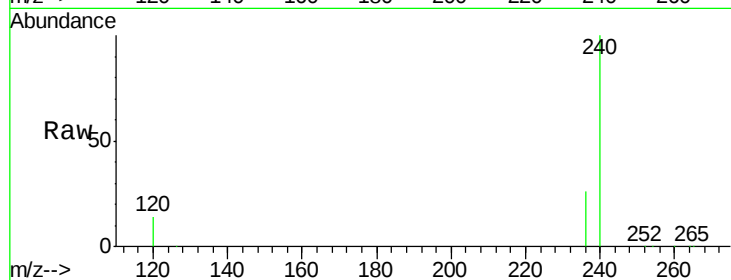
Tot Ion:240 Resp: 126845

Ion Ratio Lower Upper

240 100

120 13.7 11.3 16.9

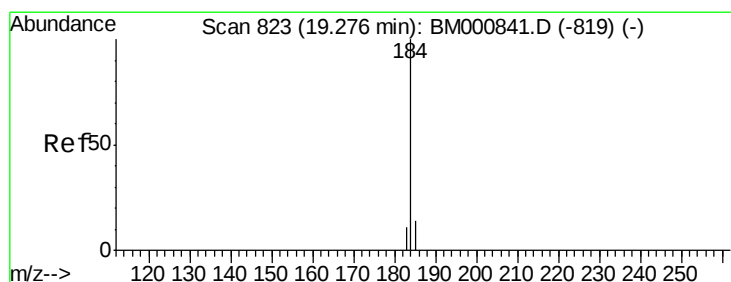
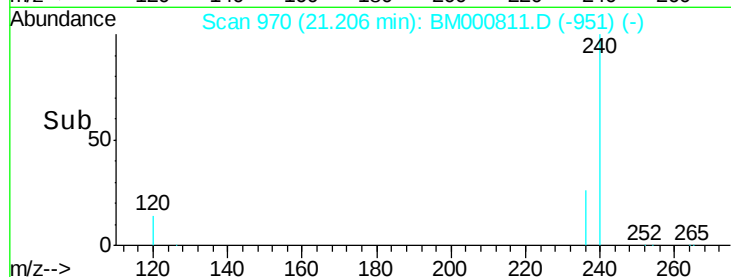
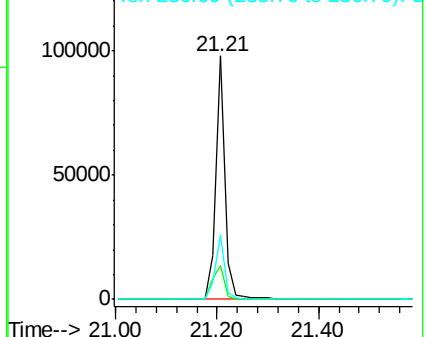
236 26.4 21.1 31.7



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: 0.19 ng

RT: 19.30 min Scan# 825

Delta R.T. 0.00 min

Lab File: BM000811.D

Acq: 02 Apr 2015 17:57

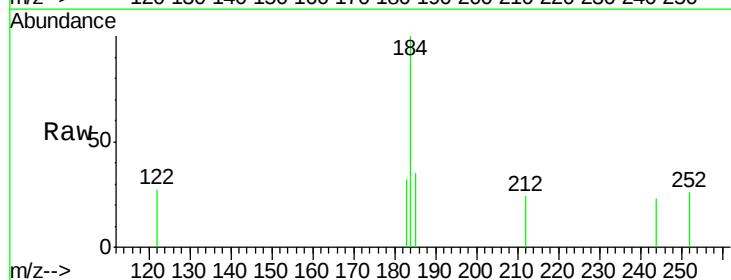
Tgt Ion:184 Resp: 965

Ion Ratio Lower Upper

184 100

185 35.5 39.1 58.7#

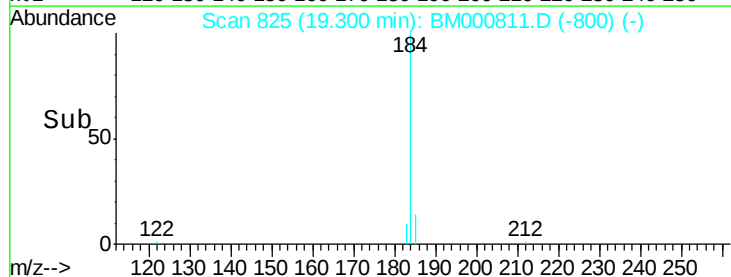
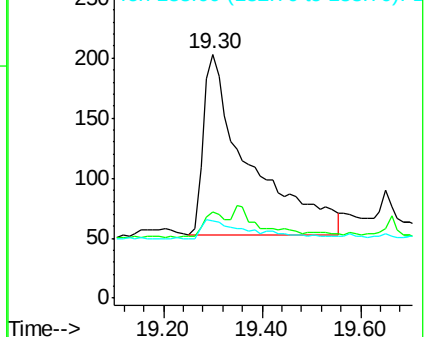
183 31.5 36.1 54.1#

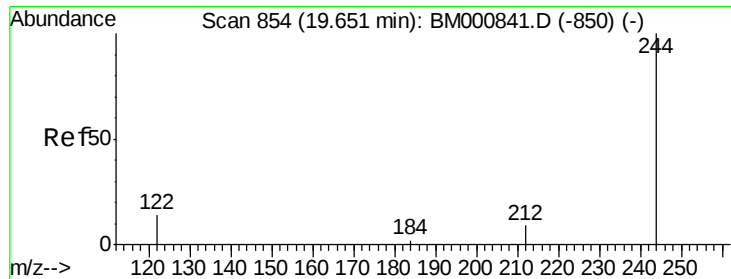


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#32

Terphenyl-d14

Concen: 0.10 ng

RT: 19.65 min Scan# 854

Delta R.T. -0.00 min

Lab File: BM000811.D

Acq: 02 Apr 2015 17:57

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

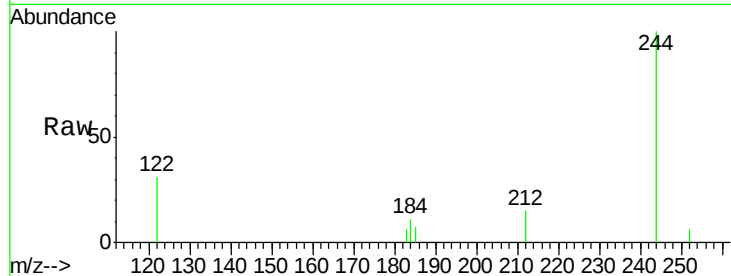
Tot Ion:244 Resp: 1465

Ion Ratio Lower Upper

244 100

212 15.4 8.0 12.0#

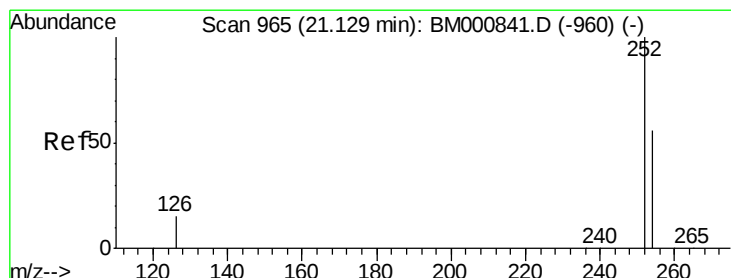
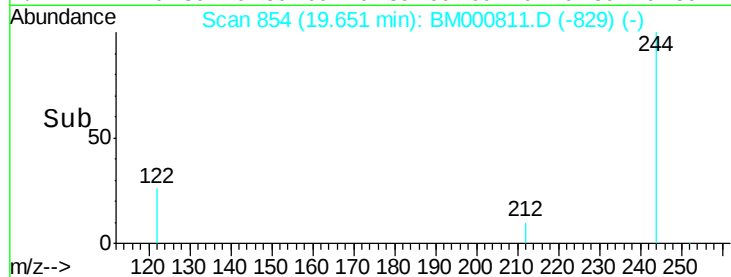
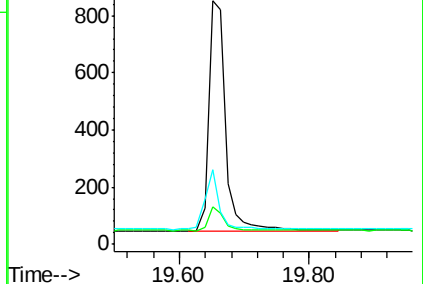
122 30.9 14.7 22.1#



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: 0.09 ng

RT: 21.14 min Scan# 966

Delta R.T. 0.02 min

Lab File: BM000811.D

Acq: 02 Apr 2015 17:57

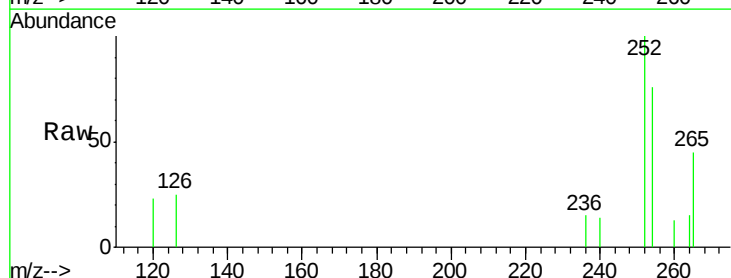
Tgt Ion:252 Resp: 758

Ion Ratio Lower Upper

252 100

254 75.7 44.5 66.7#

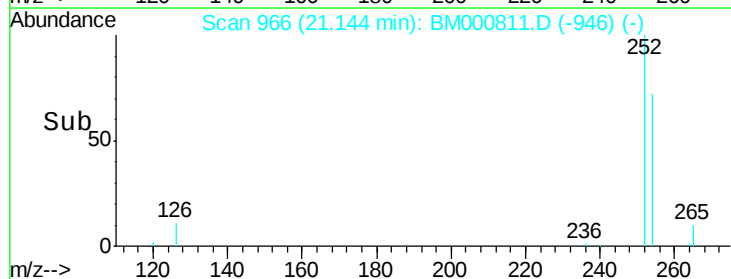
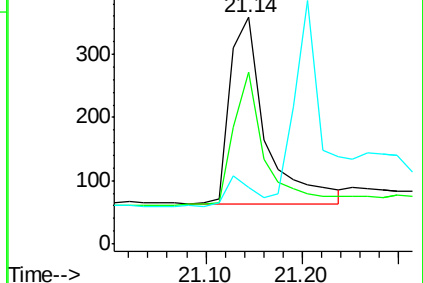
126 24.9 13.6 20.4#

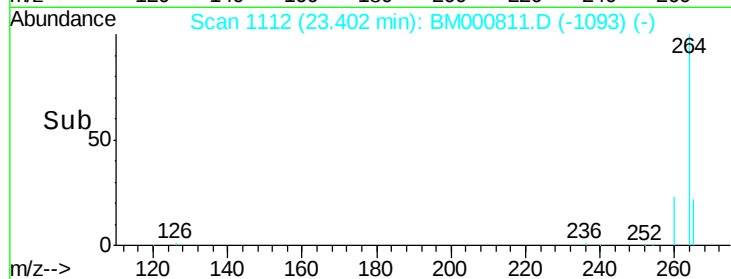
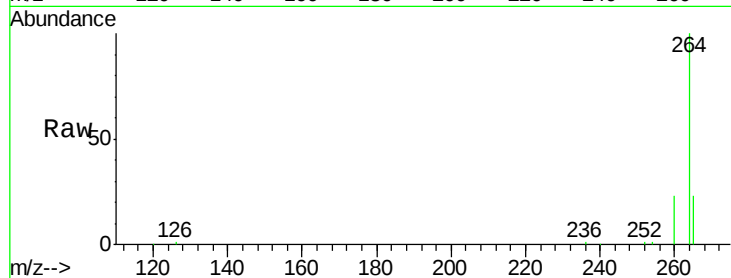
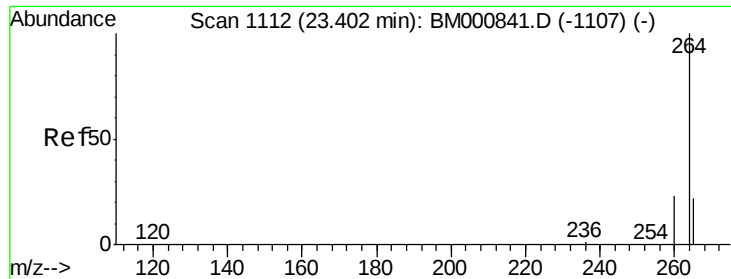


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM000811.D

Acq: 02 Apr 2015 17:57

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

Tot Ion: 264 Resp: 117903

Ion Ratio Lower Upper

264 100

260 23.2 19.1 28.7

265 22.6 17.5 26.3

