

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040315\
 Data File : BM000820.D
 Acq On : 02 Apr 2015 23:20
 Operator : TP/IZ
 Sample : MDL-BLK-S
 Misc : MDL-SOIL -BLK
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 03 16:27:11 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 13:56:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	26658	5.00	ng	0.00
11) Naphthalene-d8	10.39	136	120877	5.00	ng	0.00
19) Acenaphthene-d10	14.28	164	59979	5.00	ng	0.00
26) Phenanthrene-d10	17.00	188	125728	5.00	ng	0.00
30) Chrysene-d12	21.21	240	117403	5.00	ng	0.00
34) Perylene-d12	23.40	264	111773	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	88002	11.99	ng	0.00
5) Phenol-d6	6.77	99	143822	10.23	ng	0.00
12) Nitrobenzene-d5	8.77	82	41477	7.35	ng	0.00
20) 2,4,6-Tribromophenol	15.77	330	22233	8.76	ng	0.00
32) Terphenyl-d14	19.65	244	137744	9.75	ng	0.00

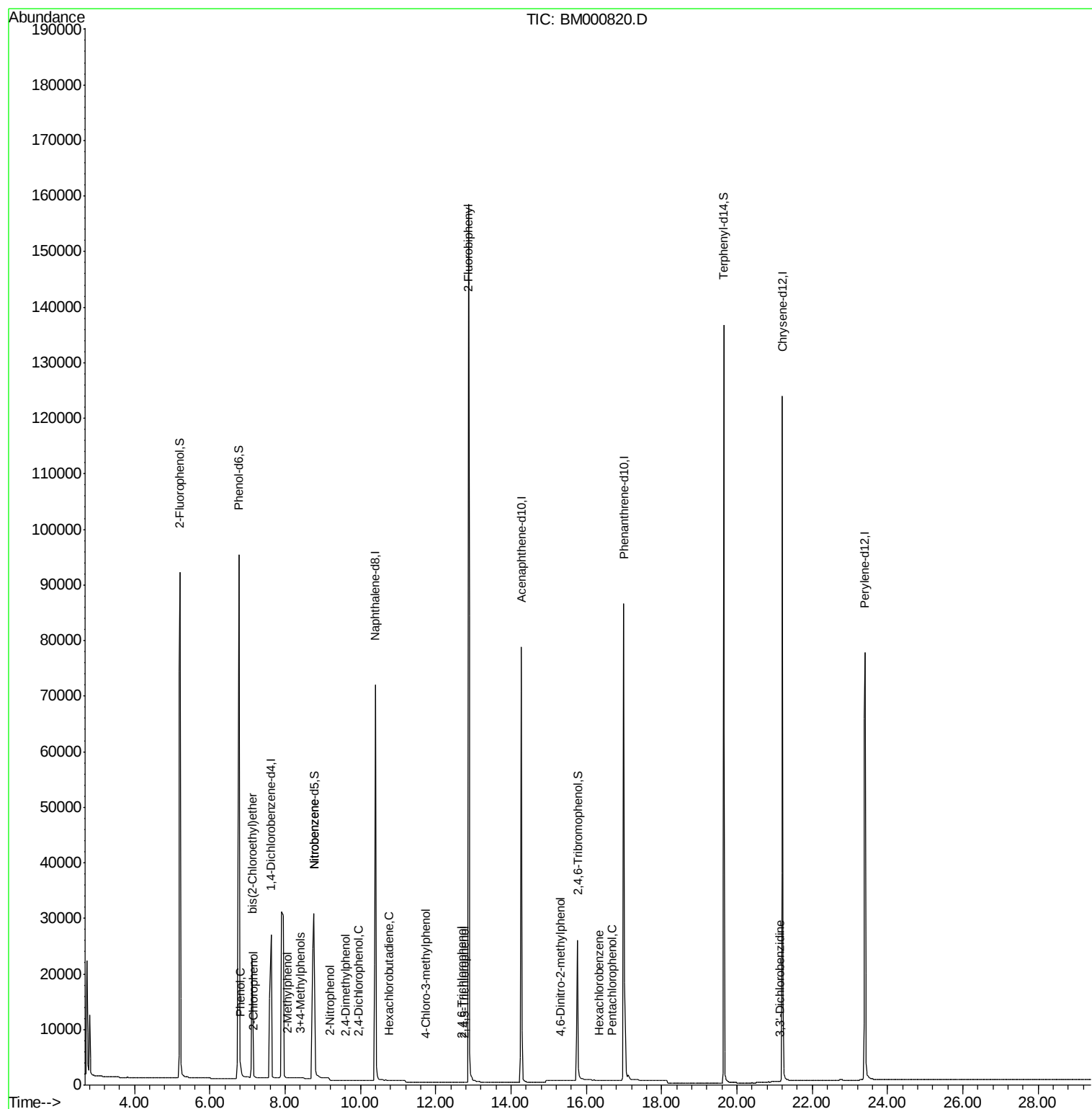
Target Compounds						Ovalue
6) 2-Chlorophenol	7.17	128	58	0.20	ng	# 1
7) Phenol	6.81	94	109	0.01	ng	# 1
8) bis(2-Chloroethyl)ether	7.13	93	242	0.23	ng	# 1
9) 2-Methylphenol	8.06	107	30	0.17	ng	# 27
10) 3+4-Methylphenols	8.41	107	36	0.13	ng	# 16
13) Nitrobenzene	8.77	77	160	0.02	ng	# 67
14) 2-Nitrophenol	9.20	139	665	0.35	ng	# 1
15) 2,4-Dimethylphenol	9.60	122	28	0.00	ng	# 68
16) 2,4-Dichlorophenol	9.96	162	23	0.22	ng	# 24
17) Hexachlorobutadiene	10.75	225	26	0.01	ng	# 58
18) 4-Chloro-3-methylphenol	11.74	107	12	0.00	ng	# 74
21) 2,4,6-Trichlorophenol	12.69	196	7	0.13	ng	# 44
22) 2,4,5-Trichlorophenol	12.77	196	4	0.12	ng	# 72
23) 2-Fluorobiphenyl	12.87	172	170801	9.24	ng	98
27) 4,6-Dinitro-2-methylphenol	15.31	198	1271	1.11	ng	# 48
28) Hexachlorobenzene	16.33	284	9	0.07	ng	# 1
29) Pentachlorophenol	16.69	266	26	0.46	ng	# 65
31) Benzidine	19.31	184	70	Below Cal		# 46
33) 3,3'-Dichlorobenzidine	21.14	252	87	0.20	ng	# 36

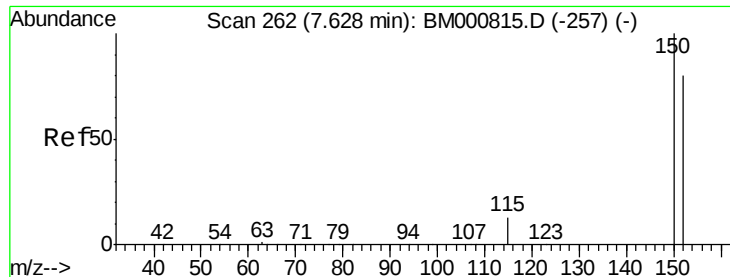
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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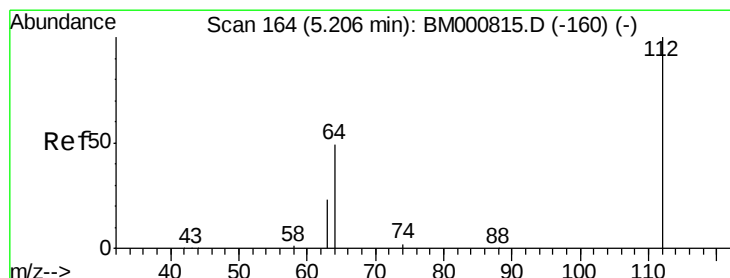
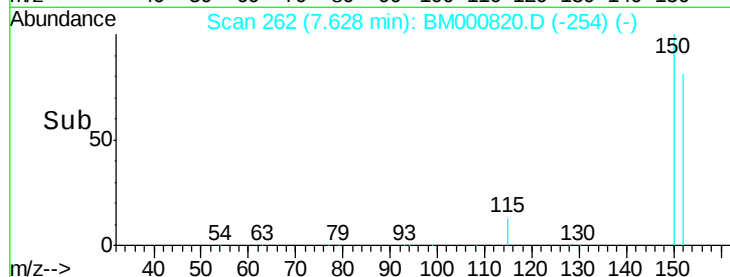
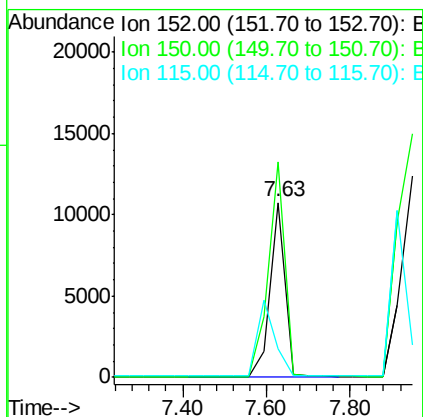
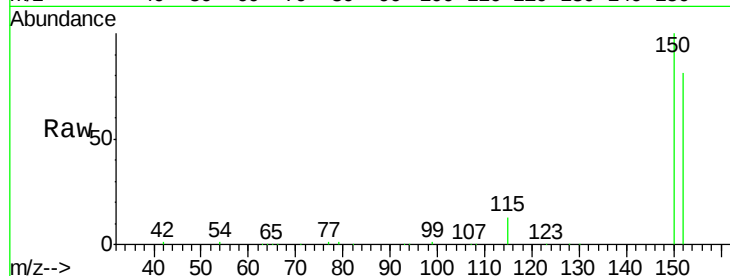


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.63 min Scan# 262
Delta R.T. -0.00 min
Lab File: BM000820.D
Acq: 02 Apr 2015 23:20

Instrument :
BNA_M
ClientSampleId :

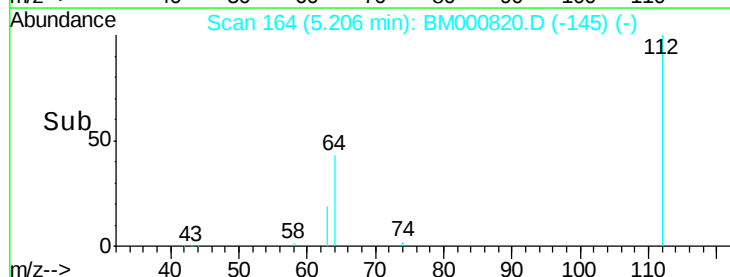
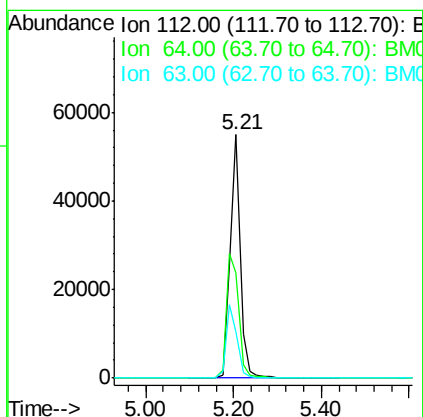
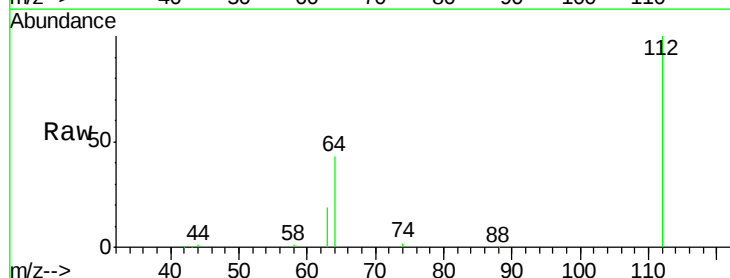
Tot Ion:152 Resp: 26658
Ion Ratio Lower Upper
152 100
150 123.3 99.8 149.6
115 16.4 13.5 20.3

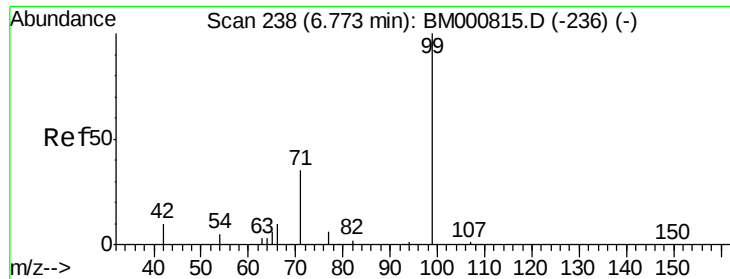


#4

2-Fluorophenol
Concen: 11.99 ng
RT: 5.21 min Scan# 164
Delta R.T. -0.00 min
Lab File: BM000820.D
Acq: 02 Apr 2015 23:20

Tgt Ion:112 Resp: 88002
Ion Ratio Lower Upper
112 100
64 43.4 40.3 60.5
63 19.1 19.0 28.4





#5

Phenol-d6

Concen: 10.23 ng

RT: 6.77 min Scan# 238

Delta R.T. 0.00 min

Lab File: BM000820.D

Acq: 02 Apr 2015 23:20

Instrument :

BNA_M

ClientSampleId :

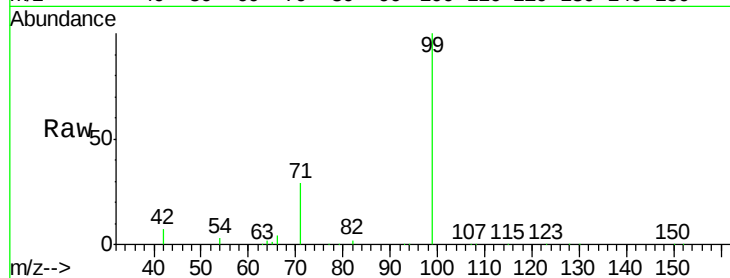
Tot Ion: 99 Resp: 143822

Ion Ratio Lower Upper

99 100

42 6.6 10.2 15.4#

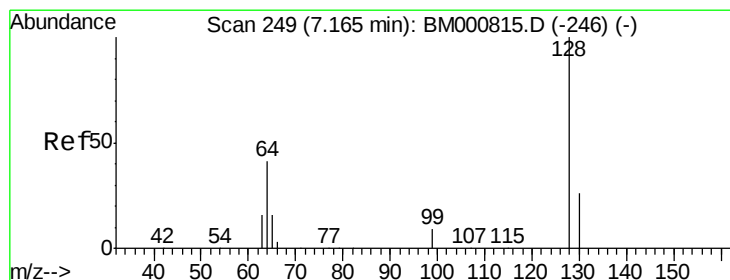
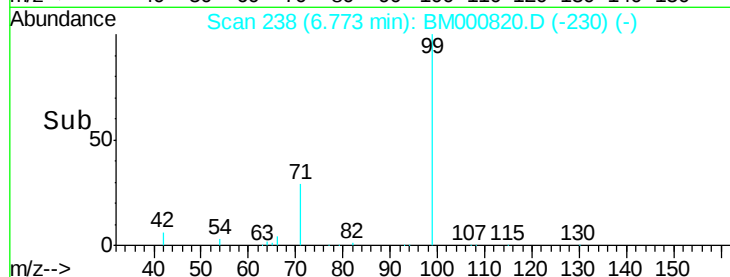
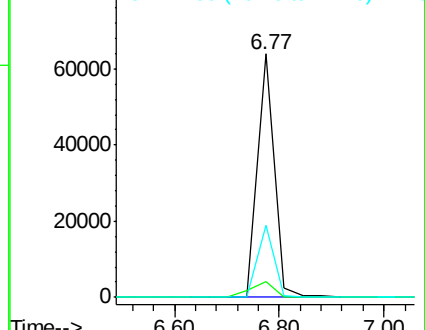
71 29.4 28.6 43.0



Abundance Ion 99.00 (98.70 to 99.70): BM000820.D (-236) (-)

Ion 42.00 (41.70 to 42.70): BM000820.D (-236) (-)

Ion 71.00 (70.70 to 71.70): BM000820.D (-236) (-)



#6

2-Chlorophenol

Concen: 0.20 ng

RT: 7.17 min Scan# 249

Delta R.T. 0.00 min

Lab File: BM000820.D

Acq: 02 Apr 2015 23:20

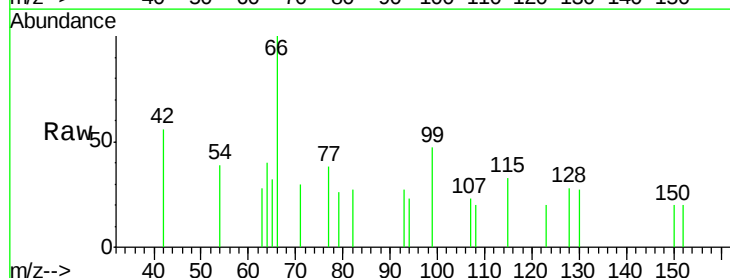
Tgt Ion: 128 Resp: 58

Ion Ratio Lower Upper

128 100

130 94.2 7.6 47.6#

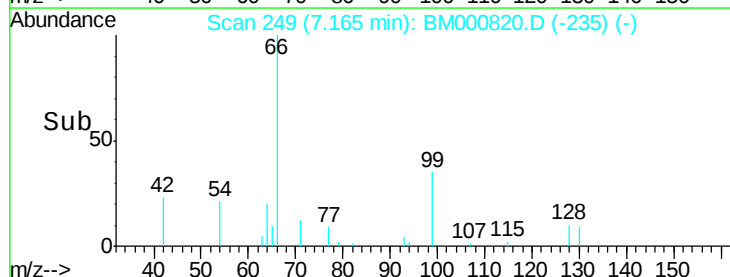
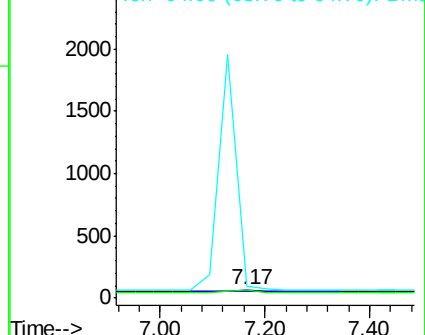
64 140.6 23.1 63.1#

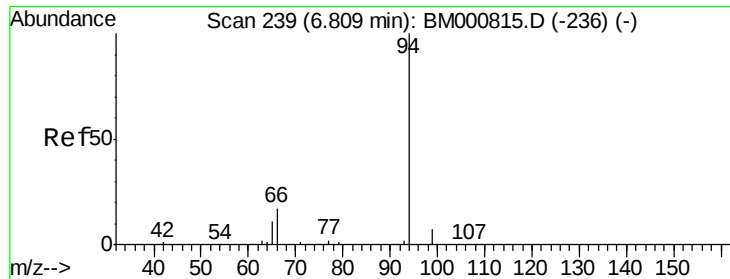


Abundance Ion 128.00 (127.70 to 128.70): BM000820.D (-246) (-)

Ion 130.00 (129.70 to 130.70): BM000820.D (-246) (-)

Ion 64.00 (63.70 to 64.70): BM000820.D (-246) (-)





#7

Phenol

Concen: 0.01 ng

RT: 6.81 min Scan# 239

Delta R.T. -0.00 min

Lab File: BM000820.D

Acq: 02 Apr 2015 23:20

Instrument :

BNA_M

ClientSampleId :

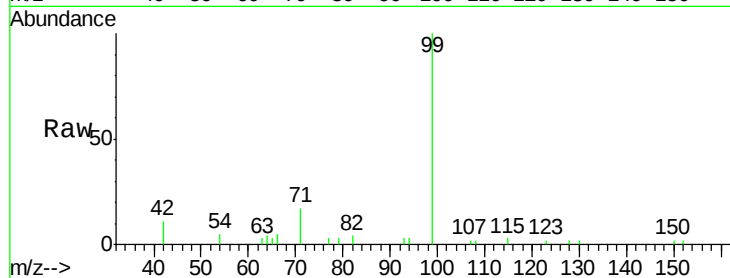
Tot Ion: 94 Resp: 109

Ion Ratio Lower Upper

94 100

65 96.0 0.0 32.0#

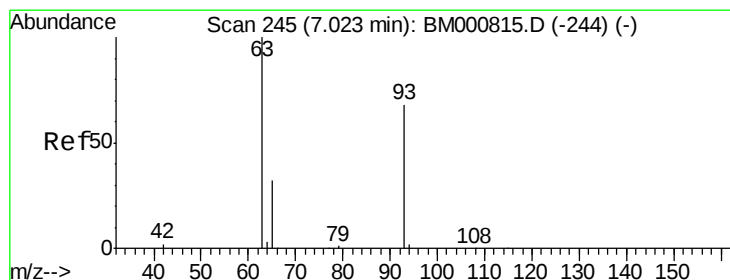
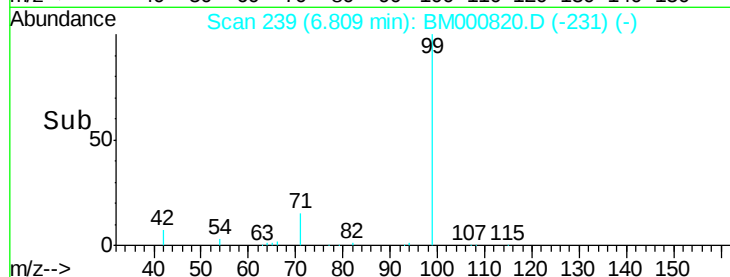
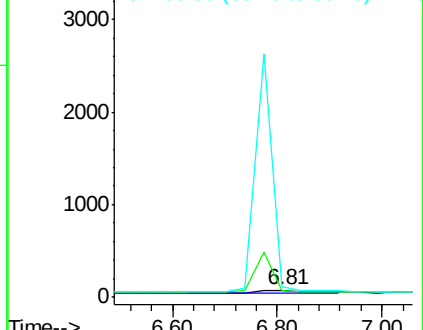
66 149.3 0.0 37.6#



Abundance Ion 94.00 (93.70 to 94.70): BM000820.D (-231) (-)

Ion 65.00 (64.70 to 65.70): BM000820.D (-231) (-)

Ion 66.00 (65.70 to 66.70): BM000820.D (-231) (-)



#8

bis(2-Chloroethyl)ether

Concen: 0.23 ng

RT: 7.13 min Scan# 248

Delta R.T. 0.11 min

Lab File: BM000820.D

Acq: 02 Apr 2015 23:20

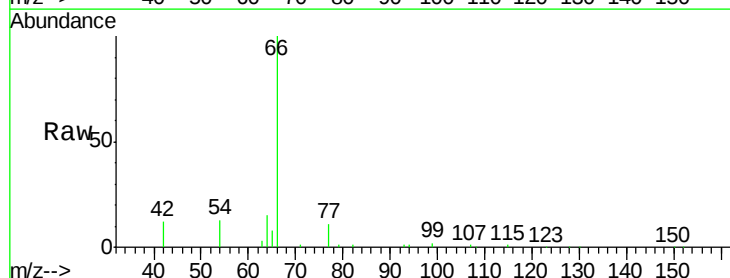
Tgt Ion: 93 Resp: 242

Ion Ratio Lower Upper

93 100

63 283.3 118.9 158.9#

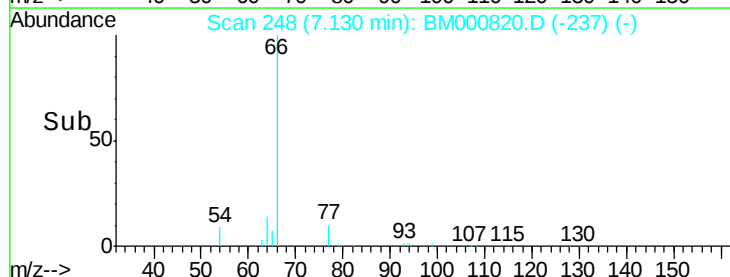
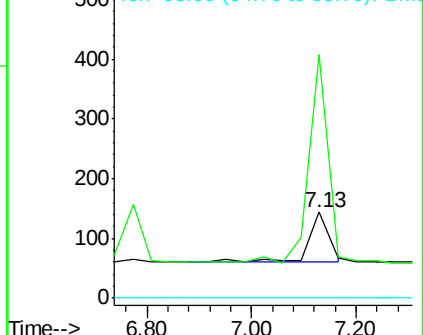
95 0.0 0.0 20.0

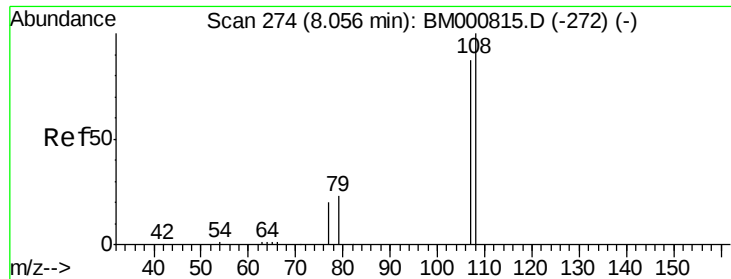


Abundance Ion 93.00 (92.70 to 93.70): BM000820.D (-237) (-)

Ion 63.00 (62.70 to 63.70): BM000820.D (-237) (-)

Ion 95.00 (94.70 to 95.70): BM000820.D (-237) (-)





#9

2-Methylphenol

Concen: 0.17 ng

RT: 8.06 min Scan# 274

Delta R.T. -0.00 min

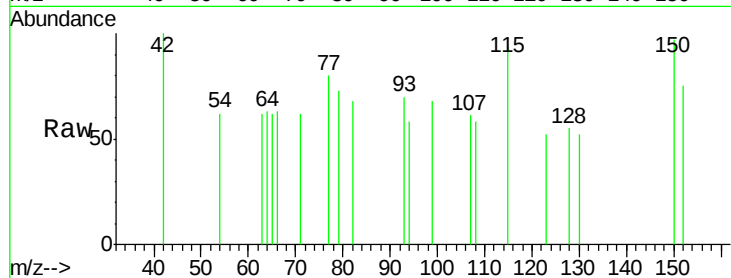
Lab File: BM000820.D

Acq: 02 Apr 2015 23:20

Instrument :

BNA_M

ClientSampled :



Tot Ion:107 Resp: 30

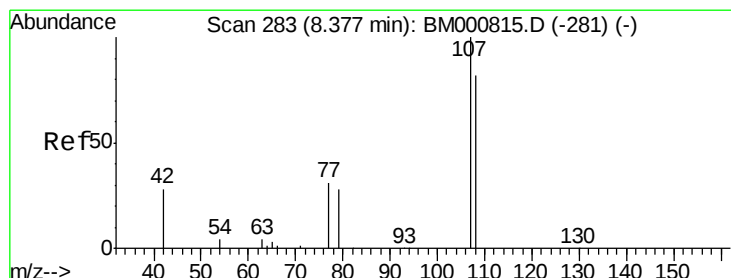
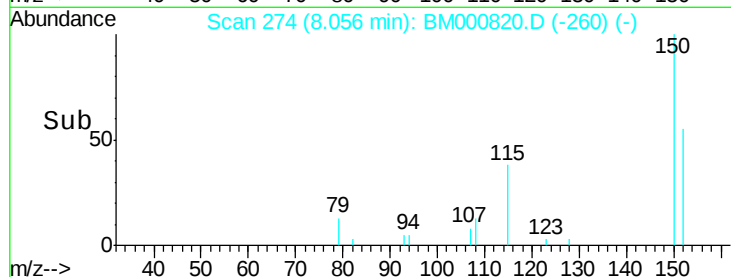
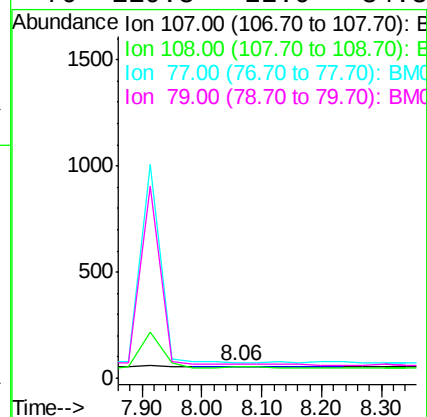
Ion Ratio Lower Upper

107 100

108 94.7 92.0 138.0

77 129.8 20.6 31.0#

79 119.3 22.9 34.3#



#10

3+4-Methylphenols

Concen: 0.13 ng

RT: 8.41 min Scan# 284

Delta R.T. 0.04 min

Lab File: BM000820.D

Acq: 02 Apr 2015 23:20

Tgt Ion:107 Resp: 36

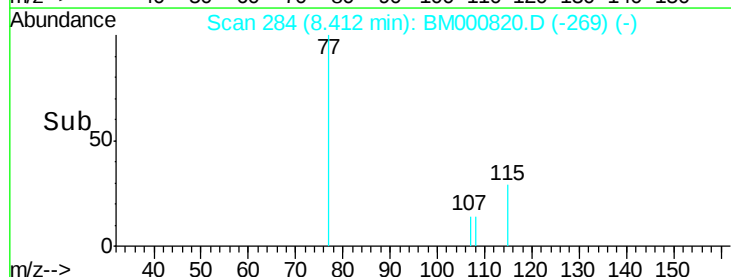
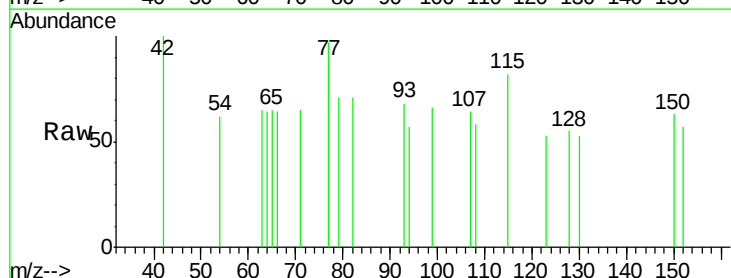
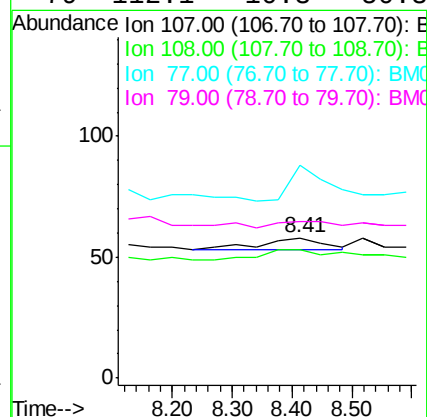
Ion Ratio Lower Upper

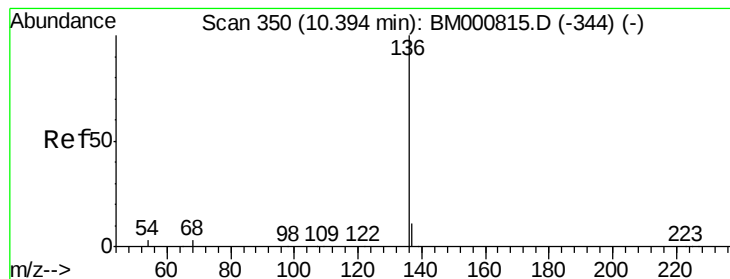
107 100

108 91.4 62.6 102.6

77 151.7 12.8 52.8#

79 112.1 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: BM000820.D

Acq: 02 Apr 2015 23:20

Instrument :

BNA_M

ClientSampleId :

Tot Ion:136 Resp: 120877

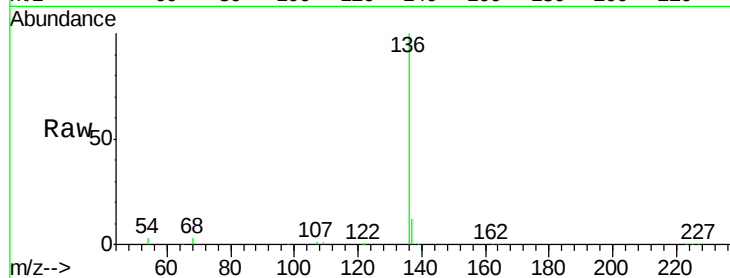
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 3.0 2.2 3.4

68 2.9 2.2 3.2

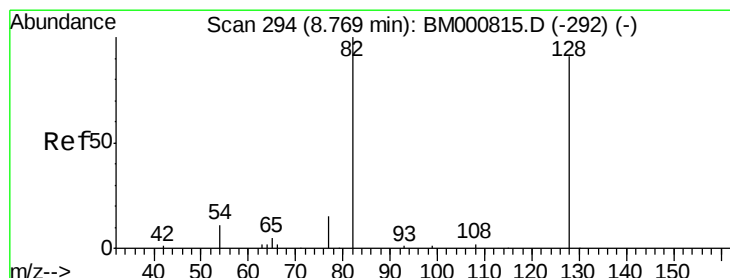
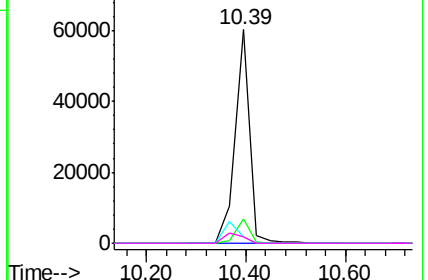
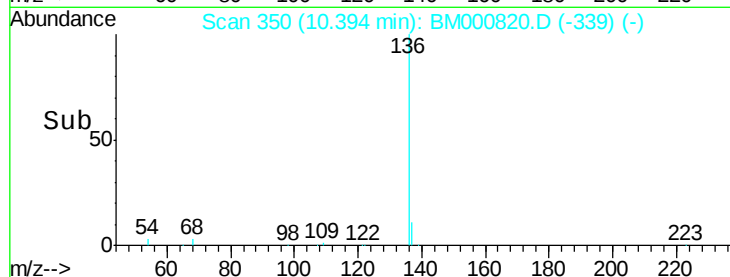


Abundance Ion 136.00 (135.70 to 136.70): E

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: 7.35 ng

RT: 8.77 min Scan# 294

Delta R.T. -0.00 min

Lab File: BM000820.D

Acq: 02 Apr 2015 23:20

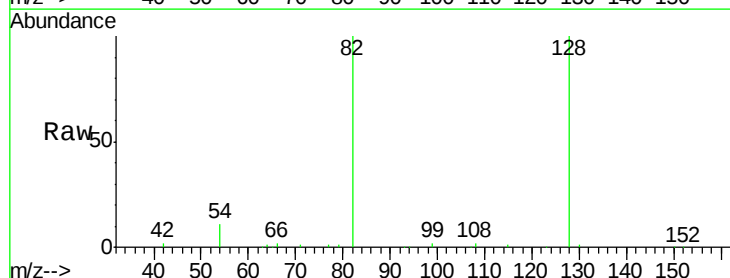
Tgt Ion: 82 Resp: 41477

Ion Ratio Lower Upper

82 100

128 100.2 72.5 108.7

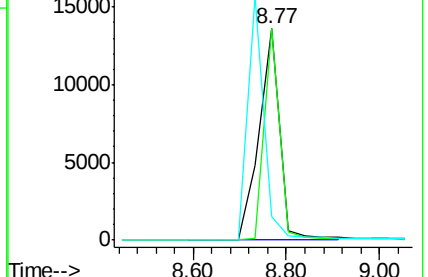
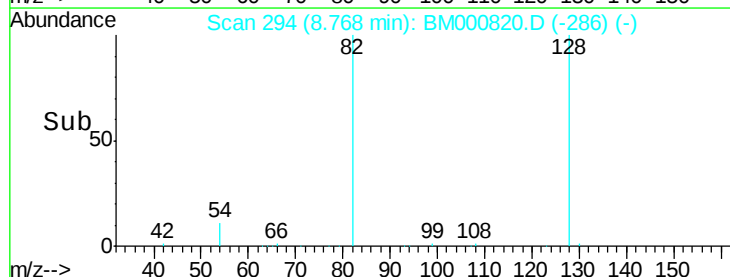
54 11.2 11.8 17.8#

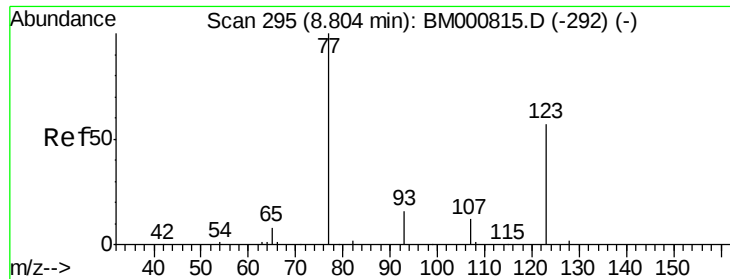


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#13

Nitrobenzene

Concen: 0.02 ng

RT: 8.77 min Scan# 294

Delta R.T. -0.04 min

Lab File: BM000820.D

Acq: 02 Apr 2015 23:20

Instrument :

BNA_M

ClientSampleId :

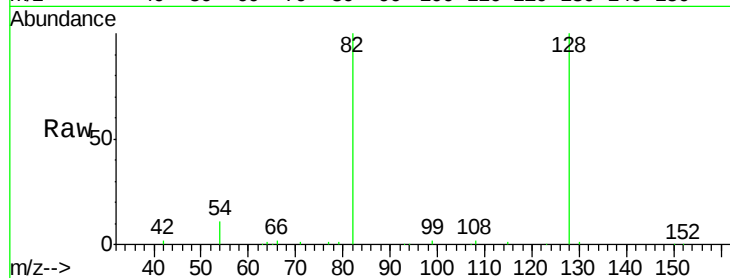
Tot Ion: 77 Resp: 160

Ion Ratio Lower Upper

77 100

123 46.7 45.8 68.6

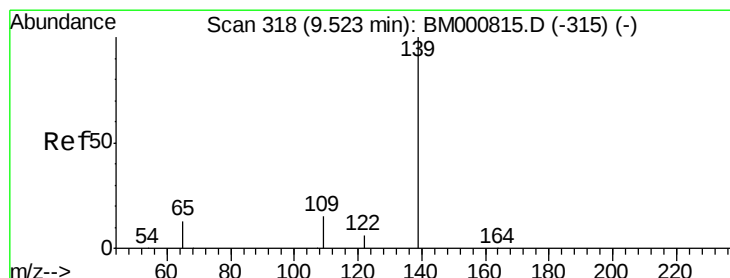
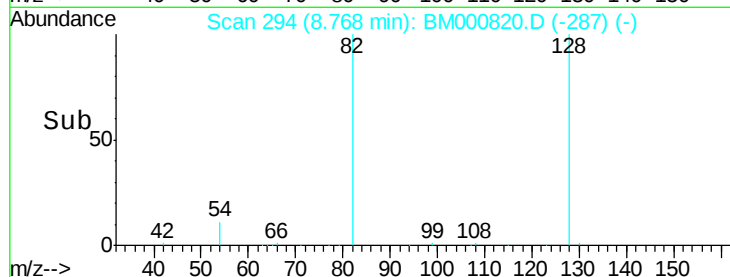
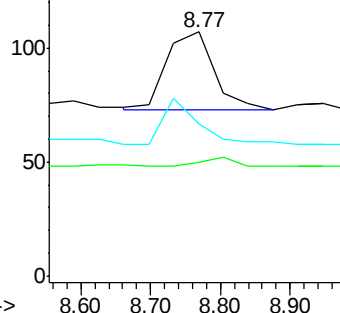
65 62.6 8.2 12.4#



Abundance Ion 77.00 (76.70 to 77.70): BM000815.D (-292) (-)

Ion 123.00 (122.70 to 123.70): BM000815.D (-292) (-)

Ion 65.00 (64.70 to 65.70): BM000815.D (-292) (-)



#14

2-Nitrophenol

Concen: 0.35 ng

RT: 9.20 min Scan# 306

Delta R.T. -0.33 min

Lab File: BM000820.D

Acq: 02 Apr 2015 23:20

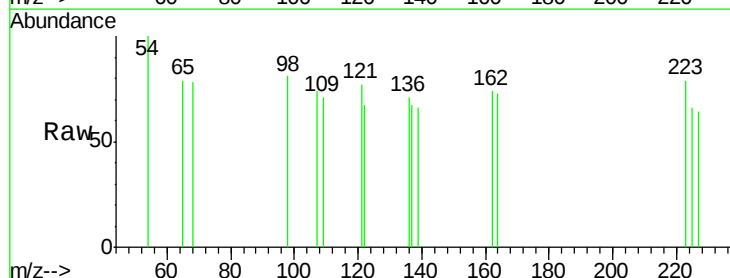
Tgt Ion: 139 Resp: 665

Ion Ratio Lower Upper

139 100

109 108.3 15.0 22.6#

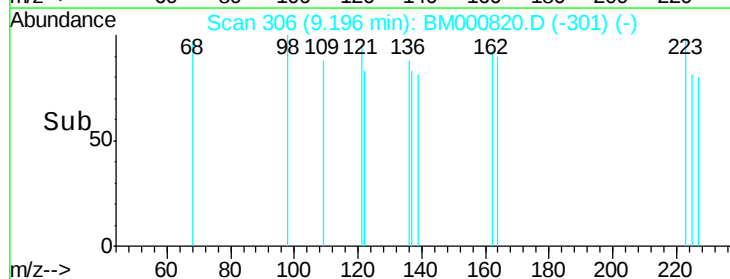
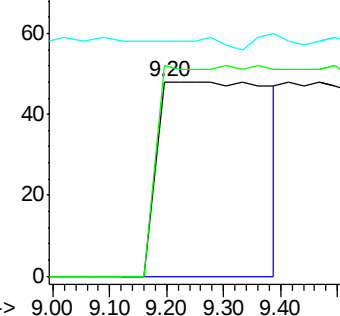
65 120.8 14.2 21.4#

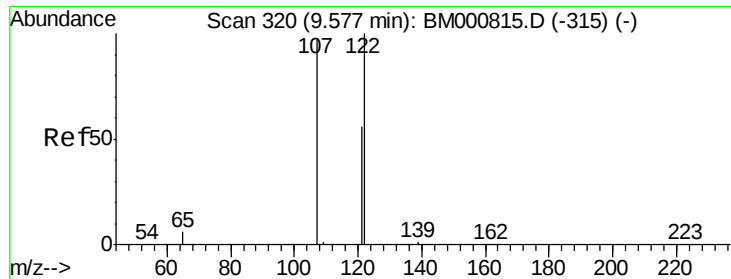


Abundance Ion 139.00 (138.70 to 139.70): BM000815.D (-315) (-)

Ion 109.00 (108.70 to 109.70): BM000815.D (-315) (-)

Ion 65.00 (64.70 to 65.70): BM000815.D (-315) (-)

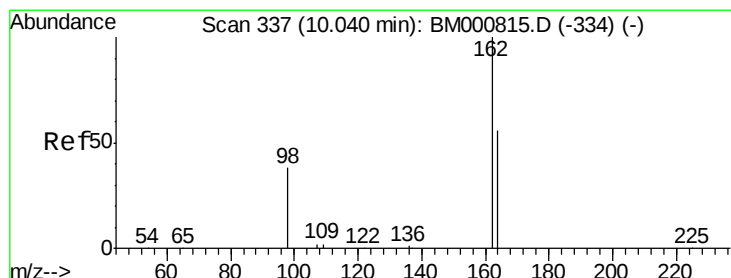
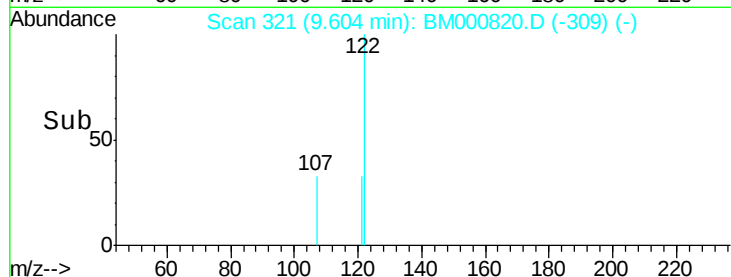
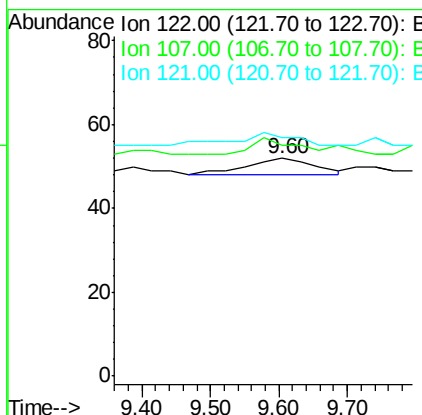
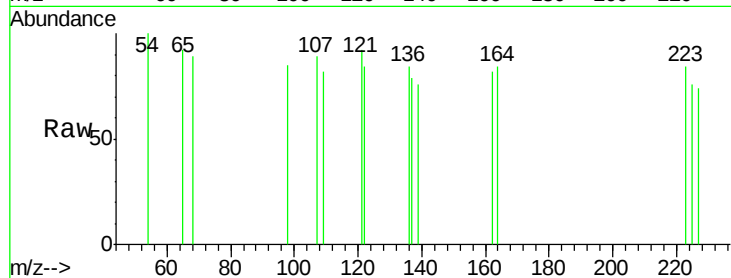




#15
 2,4-Dimethylphenol
 Concen: 0.00 ng
 RT: 9.60 min Scan# 321
 Delta R.T. 0.03 min
 Lab File: BM000820.D
 Acq: 02 Apr 2015 23:20

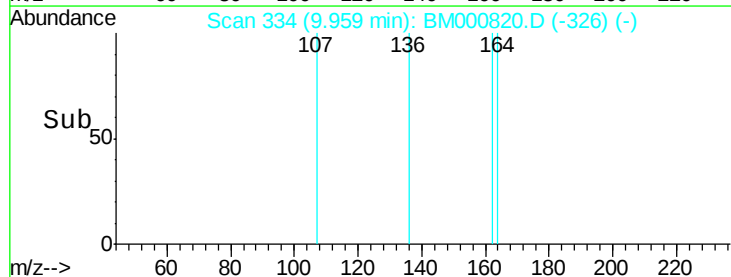
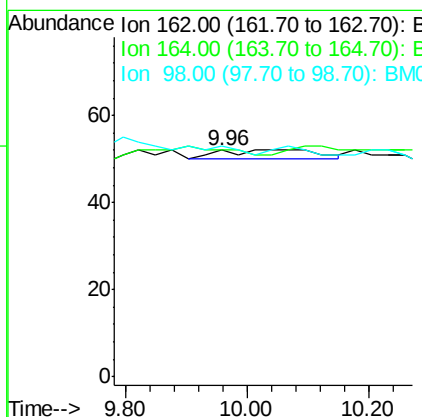
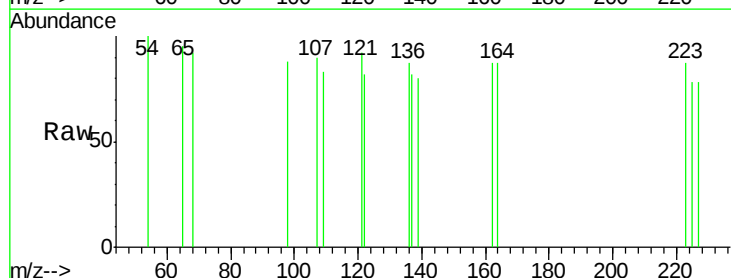
Instrument :
 BNA_M
 ClientSampleId :

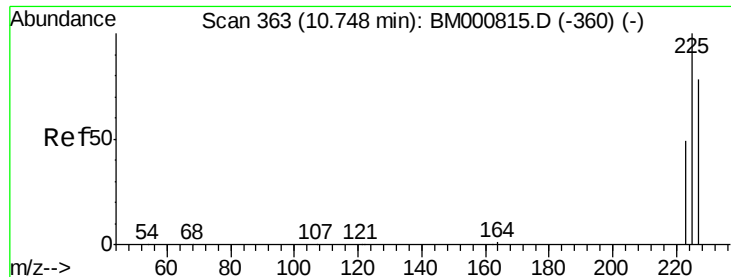
Tot Ion:122 Resp: 28
 Ion Ratio Lower Upper
 122 100
 107 105.8 78.2 117.4
 121 109.6 45.4 68.0#



#16
 2,4-Dichlorophenol
 Concen: 0.22 ng
 RT: 9.96 min Scan# 334
 Delta R.T. -0.08 min
 Lab File: BM000820.D
 Acq: 02 Apr 2015 23:20

Tgt Ion:162 Resp: 23
 Ion Ratio Lower Upper
 162 100
 164 100.0 37.1 77.1#
 98 101.9 19.5 59.5#

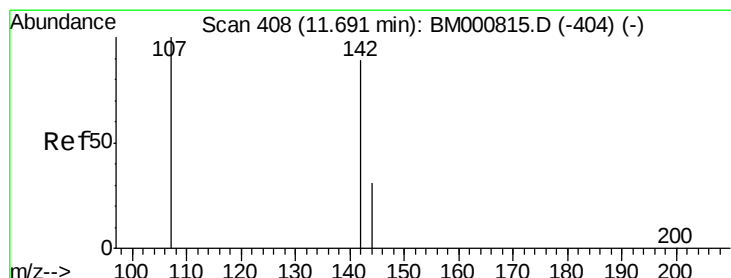
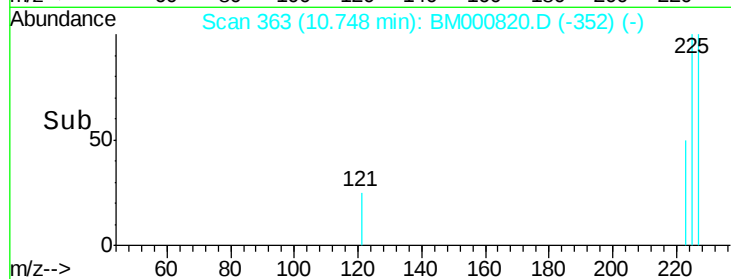
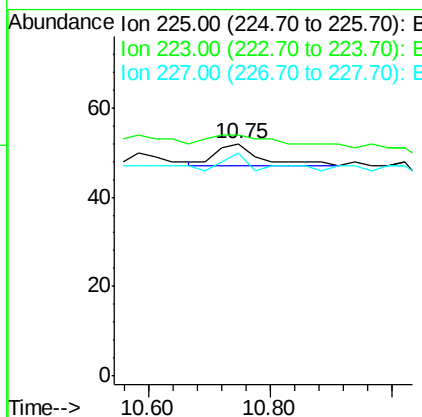
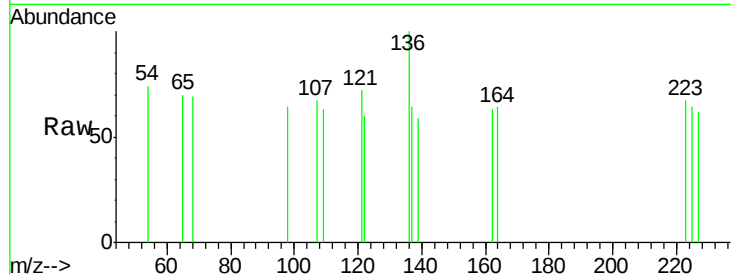




#17
Hexachlorobutadiene
Concen: 0.01 ng
RT: 10.75 min Scan# 363
Delta R.T. -0.00 min
Lab File: BM000820.D
Acq: 02 Apr 2015 23:20

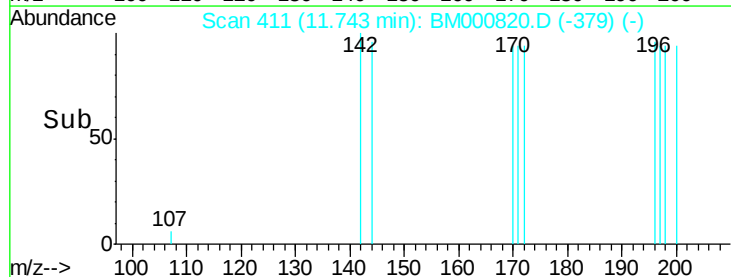
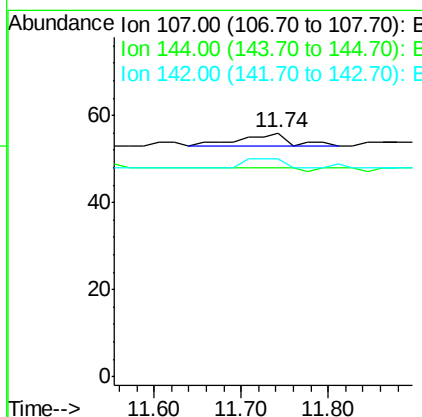
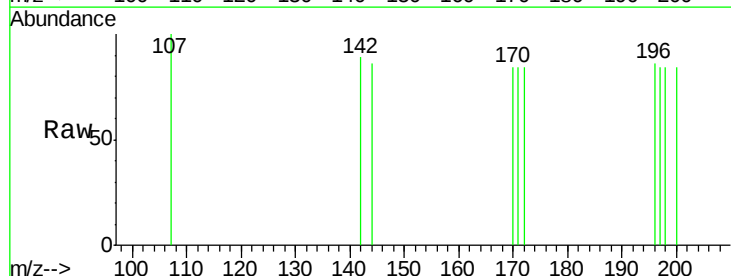
Instrument :
BNA_M
ClientSampleId :

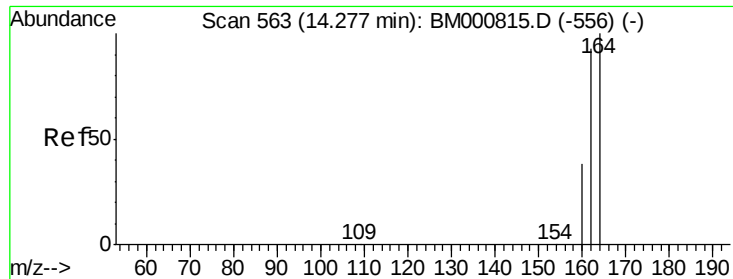
Tot Ion:225 Resp: 26
Ion Ratio Lower Upper
225 100
223 103.8 40.8 61.2#
227 96.2 62.8 94.2#



#18
4-Chloro-3-methylphenol
Concen: 0.00 ng
RT: 11.74 min Scan# 411
Delta R.T. 0.05 min
Lab File: BM000820.D
Acq: 02 Apr 2015 23:20

Tgt Ion:107 Resp: 12
Ion Ratio Lower Upper
107 100
144 85.7 25.8 38.8#
142 89.3 71.3 106.9

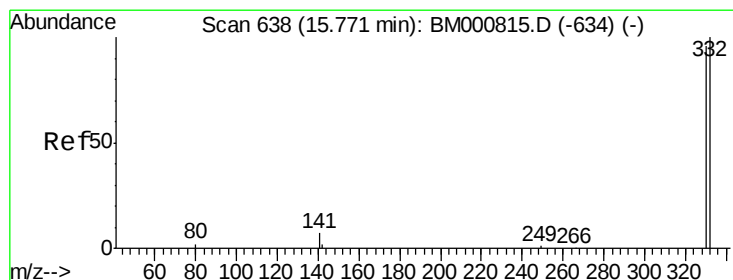
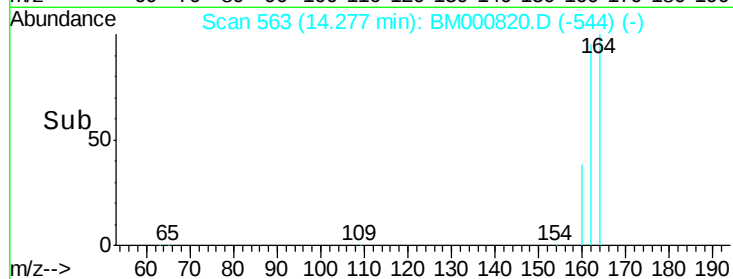
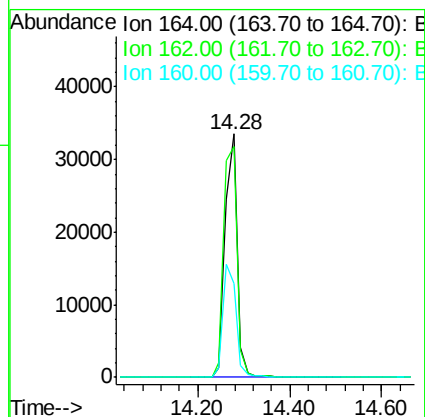
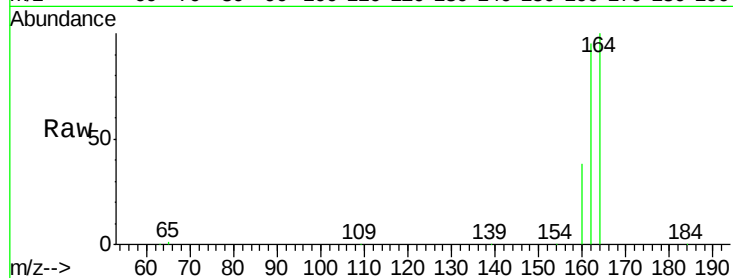




#19
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.28 min Scan# 563
Delta R.T. -0.00 min
Lab File: BM000820.D
Acq: 02 Apr 2015 23:20

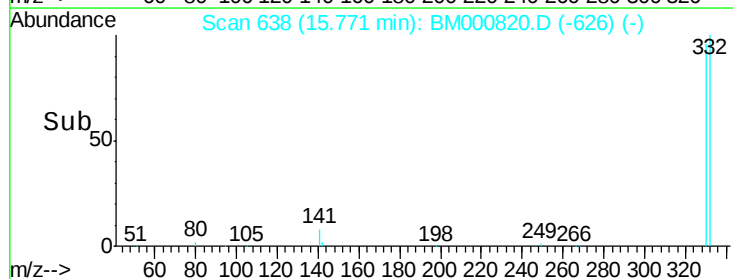
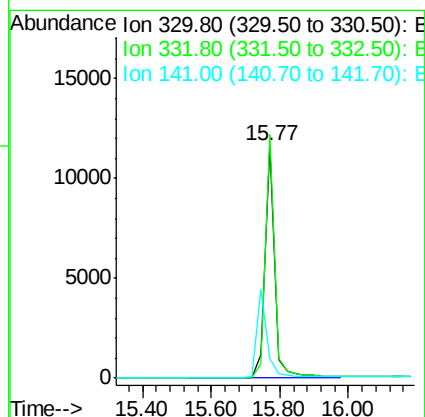
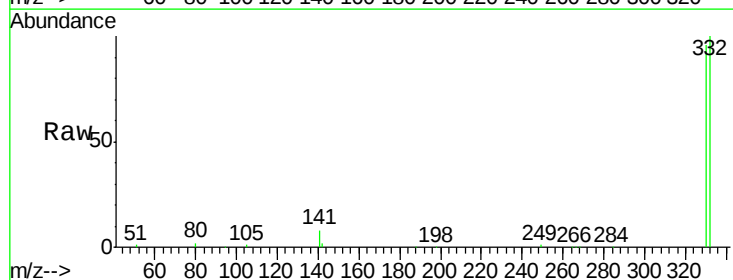
Instrument :
BNA_M
ClientSampleId :

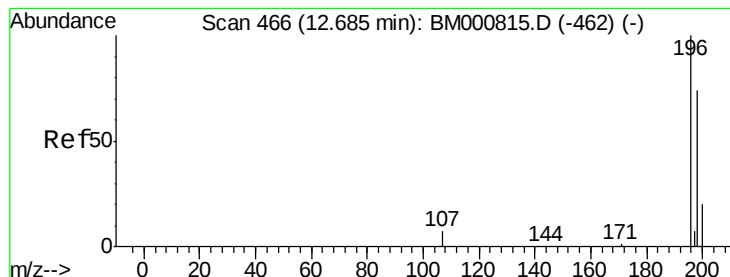
Tot Ion:164 Resp: 59979
Ion Ratio Lower Upper
164 100
162 94.9 74.2 111.2
160 38.3 30.4 45.6



#20
2,4,6-Tribromophenol
Concen: 8.76 ng
RT: 15.77 min Scan# 638
Delta R.T. 0.00 min
Lab File: BM000820.D
Acq: 02 Apr 2015 23:20

Tgt Ion:330 Resp: 22233
Ion Ratio Lower Upper
330 100
332 101.1 78.7 118.1
141 0.0 0.0 0.0





#21

2,4,6-Trichlorophenol

Concen: 0.13 ng

RT: 12.69 min Scan# 466

Delta R.T. 0.00 min

Lab File: BM000820.D

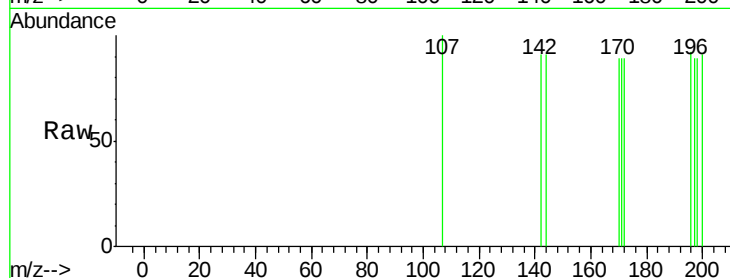
Acq: 02 Apr 2015 23:20

Instrument :

BNA_M

ClientSampleId :

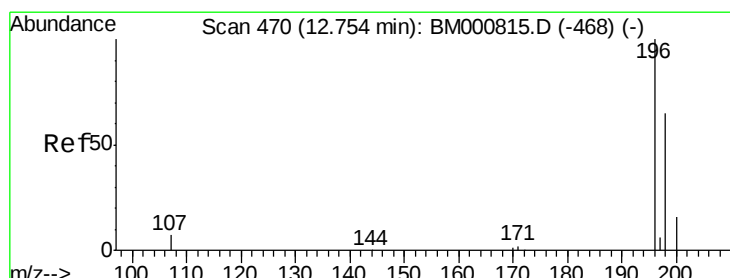
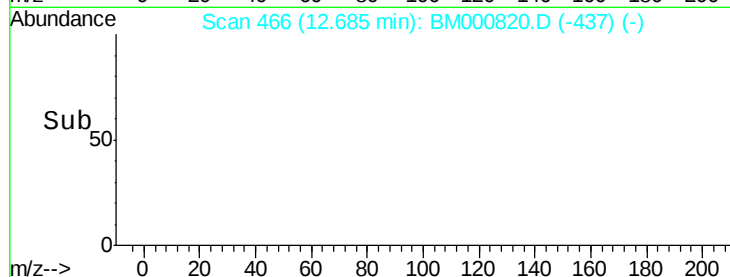
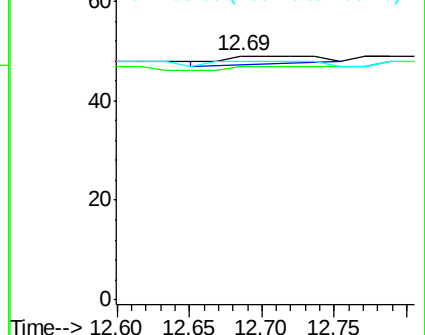
Tot Ion:196	Resp:	7
Ion	Ratio	Lower Upper
196	100	
198	95.9	59.5 89.3#
200	98.0	17.4 26.0#



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#22

2,4,5-Trichlorophenol

Concen: 0.12 ng

RT: 12.77 min Scan# 471

Delta R.T. 0.02 min

Lab File: BM000820.D

Acq: 02 Apr 2015 23:20

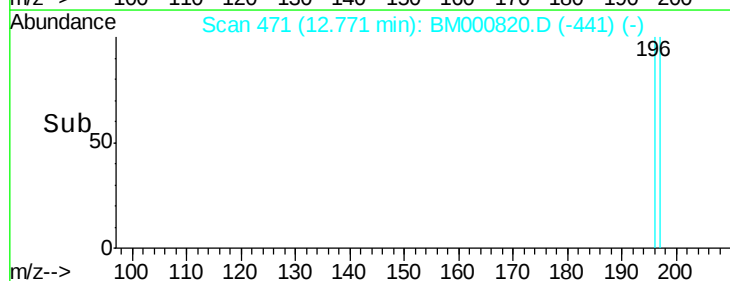
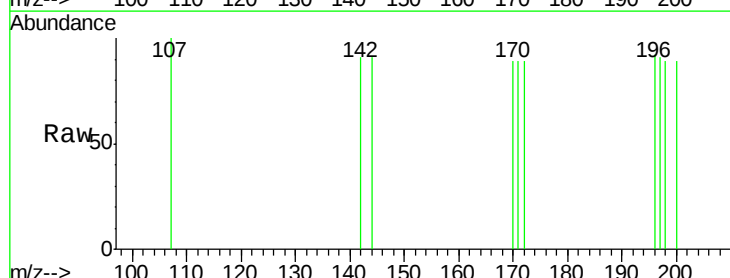
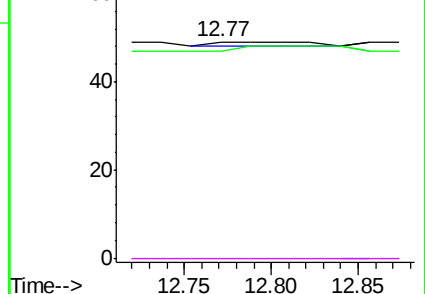
Tgt Ion:196	Resp:	4
Ion	Ratio	Lower Upper
196	100	
198	95.9	57.9 86.9#
97	0.0	0.0 0.0
132	0.0	0.0 0.0

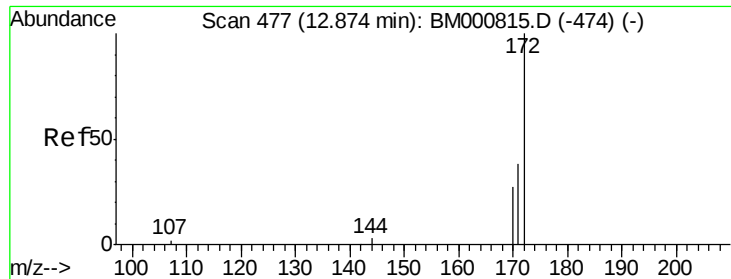
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BM0

Ion 132.00 (131.70 to 132.70): E

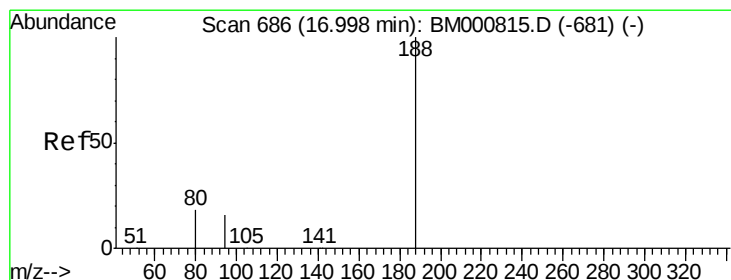
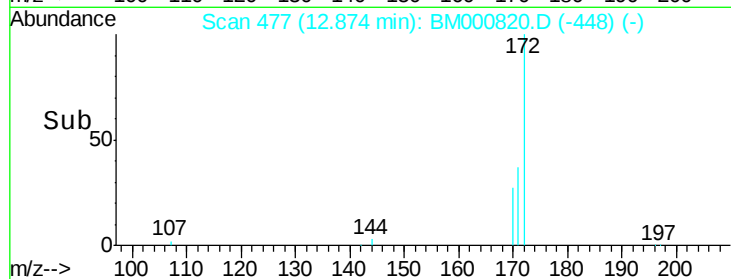
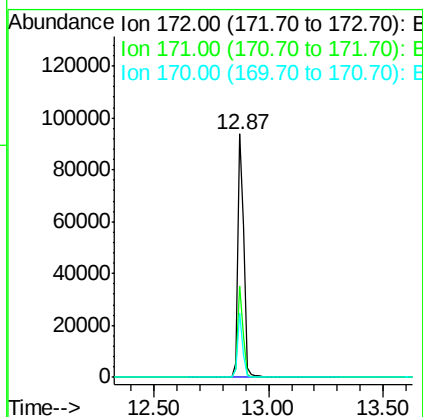
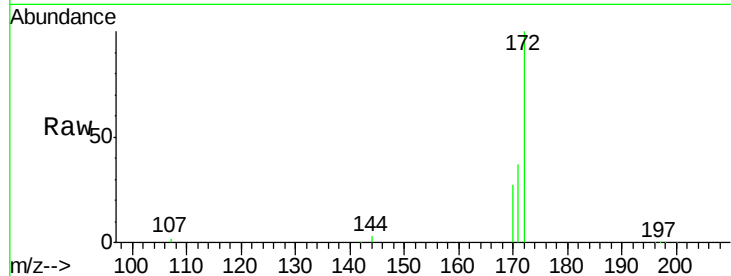




#23
2-Fluorobiphenyl
Concen: 9.24 ng
RT: 12.87 min Scan# 477
Delta R.T. -0.00 min
Lab File: BM000820.D
Acq: 02 Apr 2015 23:20

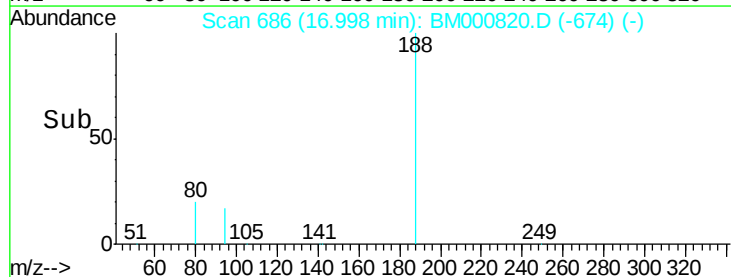
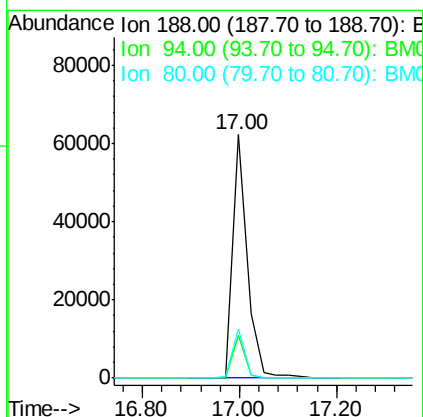
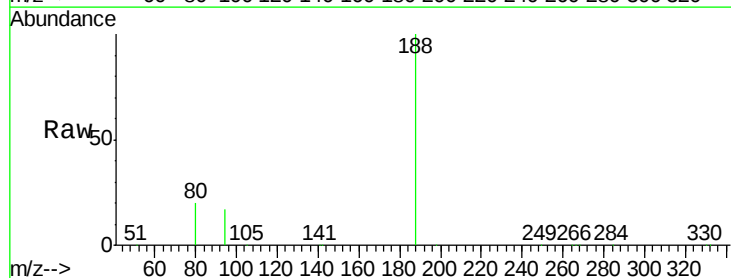
Instrument :
BNA_M
ClientSampleId :

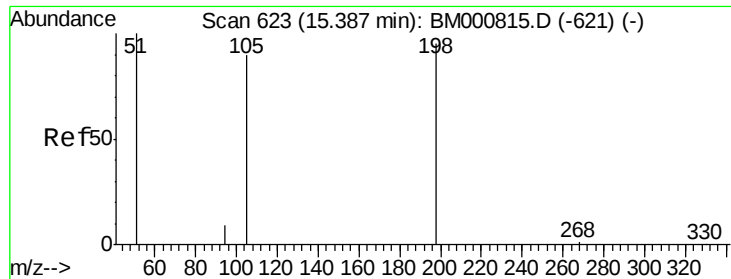
Tot Ion:172 Resp: 170801
Ion Ratio Lower Upper
172 100
171 37.4 30.6 46.0
170 26.7 22.2 33.2



#26
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.00 min Scan# 686
Delta R.T. -0.00 min
Lab File: BM000820.D
Acq: 02 Apr 2015 23:20

Tgt Ion:188 Resp: 125728
Ion Ratio Lower Upper
188 100
94 17.4 13.0 19.6
80 20.1 14.7 22.1

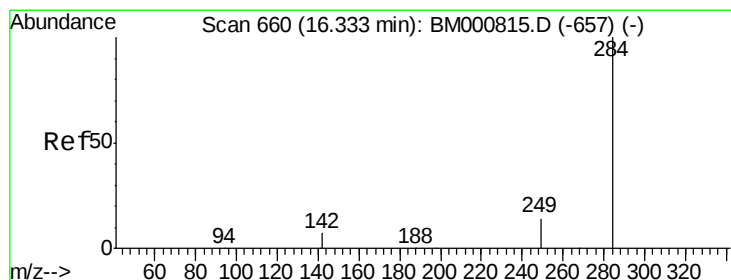
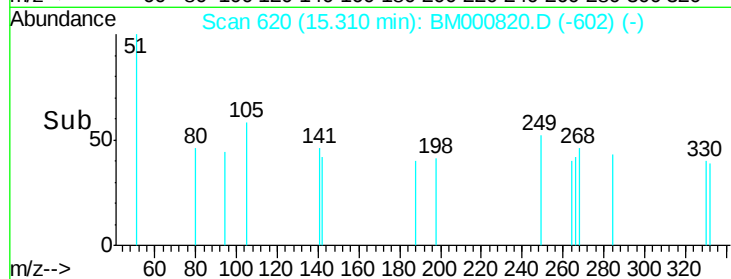
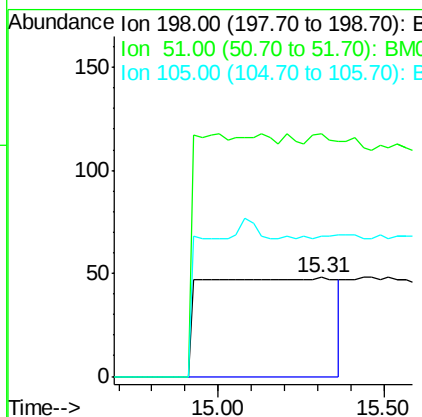
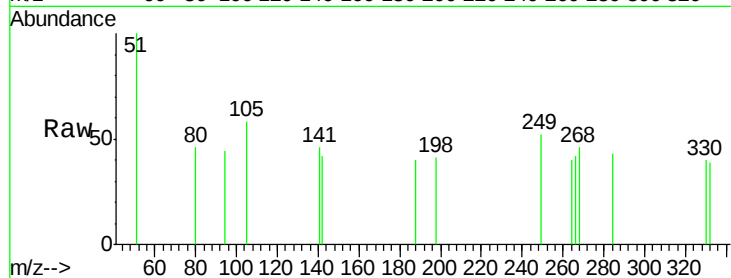




#27
4,6-Dinitro-2-methylphenol
Concen: 1.11 ng
RT: 15.31 min Scan# 620
Delta R.T. -0.08 min
Lab File: BM000820.D
Acq: 02 Apr 2015 23:20

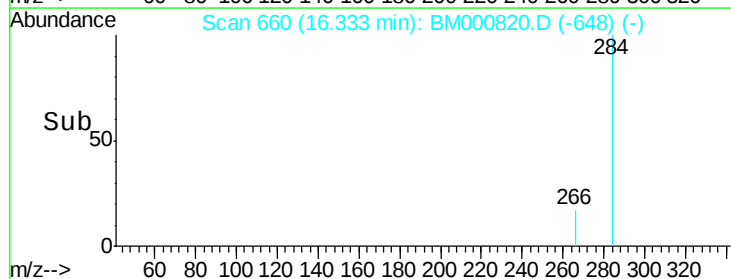
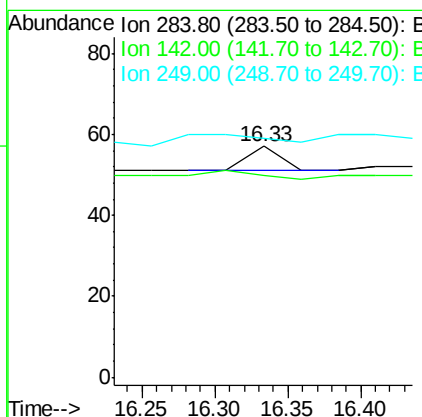
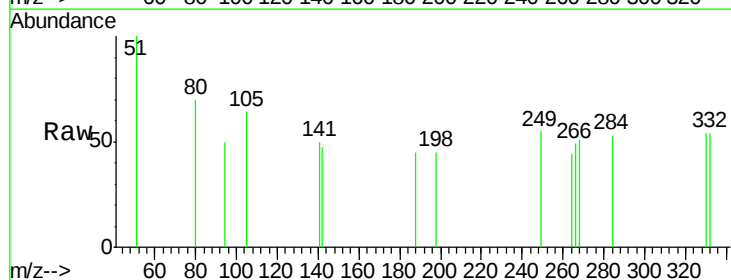
Instrument :
BNA_M
ClientSampled :

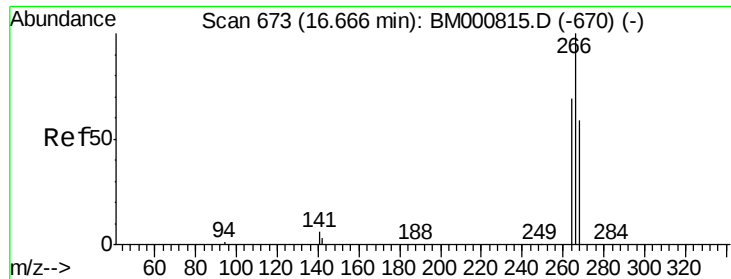
Tot Ion:198 Resp: 1271
Ion Ratio Lower Upper
198 100
51 245.8 139.3 179.3#
105 141.7 88.8 128.8#



#28
Hexachlorobenzene
Concen: 0.07 ng
RT: 16.33 min Scan# 660
Delta R.T. 0.00 min
Lab File: BM000820.D
Acq: 02 Apr 2015 23:20

Tgt Ion:284 Resp: 9
Ion Ratio Lower Upper
284 100
142 87.7 6.5 9.7#
249 103.5 12.6 18.8#

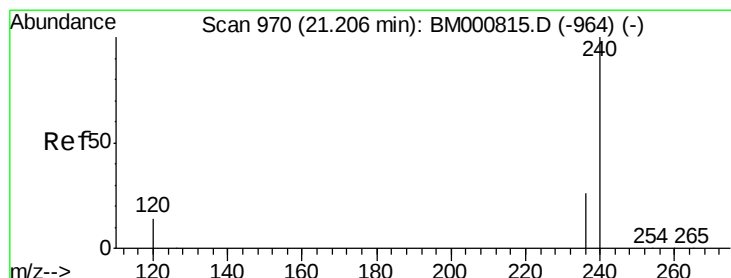
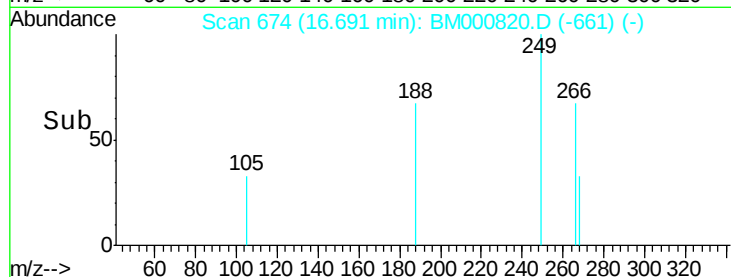
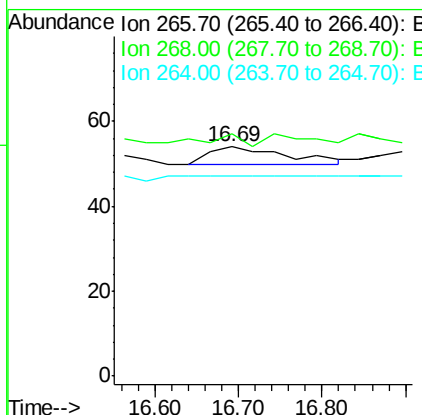
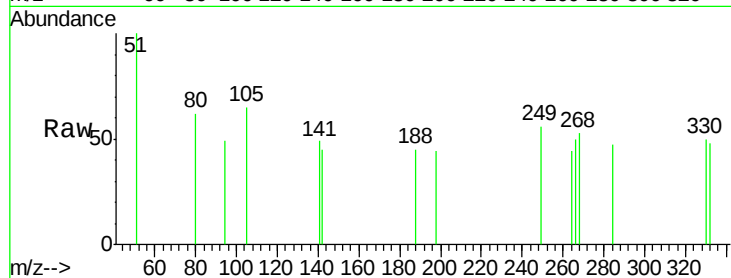




#29
 Pentachlorophenol
 Concen: 0.46 ng
 RT: 16.69 min Scan# 674
 Delta R.T. 0.03 min
 Lab File: BM000820.D
 Acq: 02 Apr 2015 23:20

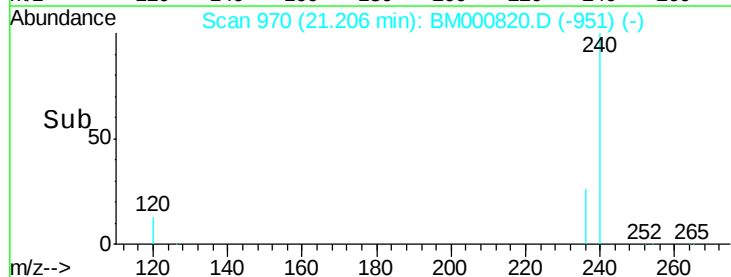
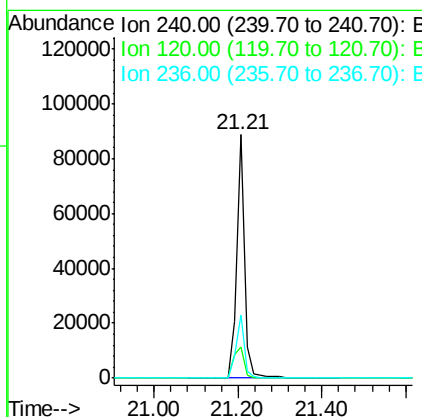
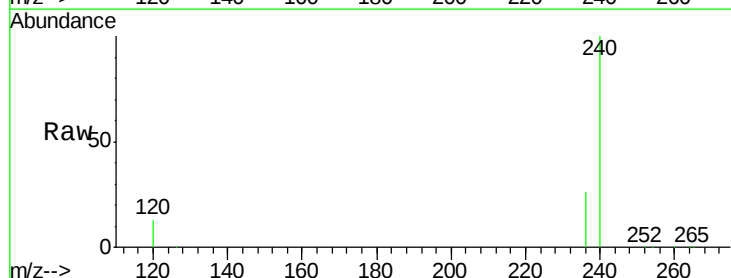
Instrument :
 BNA_M
 ClientSampleId :

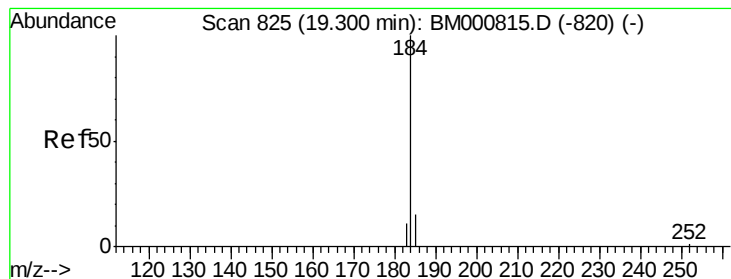
Tot Ion:266 Resp: 26
 Ion Ratio Lower Upper
 266 100
 268 105.6 51.4 77.0#
 264 87.0 57.1 85.7#



#30
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 970
 Delta R.T. -0.00 min
 Lab File: BM000820.D
 Acq: 02 Apr 2015 23:20

Tgt Ion:240 Resp: 117403
 Ion Ratio Lower Upper
 240 100
 120 12.9 11.3 16.9
 236 26.0 21.1 31.7





#31

Benzidine

Concen: Below Cal

RT: 19.31 min Scan# 826

Delta R.T. 0.01 min

Lab File: BM000820.D

Acq: 02 Apr 2015 23:20

Instrument :

BNA_M

ClientSampleId :

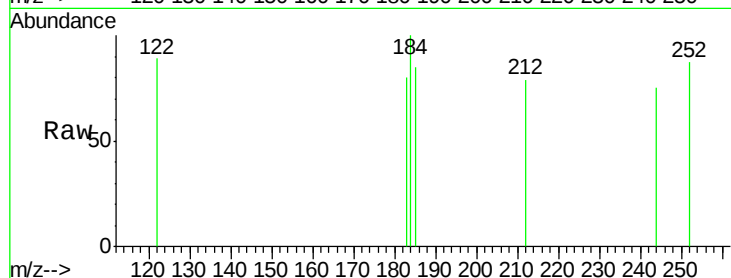
Tot Ion:184 Resp: 70

Ion Ratio Lower Upper

184 100

185 85.2 39.1 58.7#

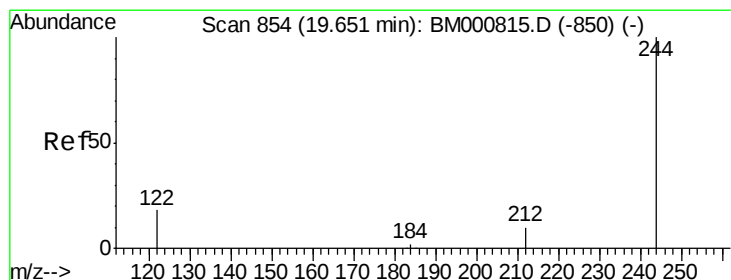
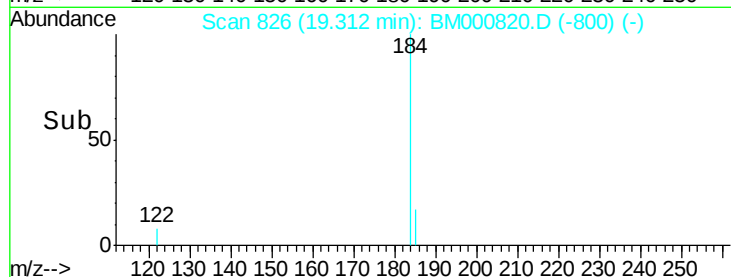
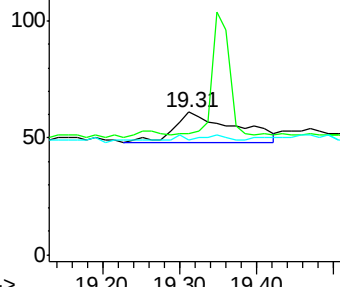
183 80.3 36.1 54.1#



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: 9.75 ng

RT: 19.65 min Scan# 854

Delta R.T. -0.00 min

Lab File: BM000820.D

Acq: 02 Apr 2015 23:20

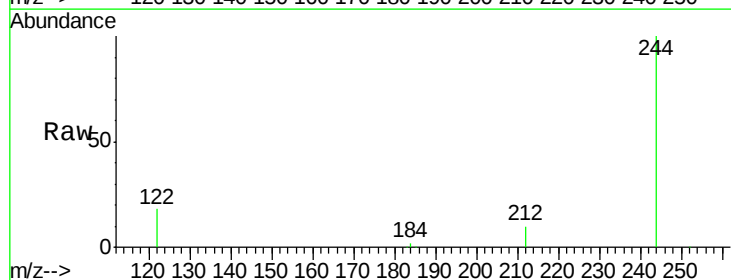
Tgt Ion:244 Resp: 137744

Ion Ratio Lower Upper

244 100

212 9.6 8.0 12.0

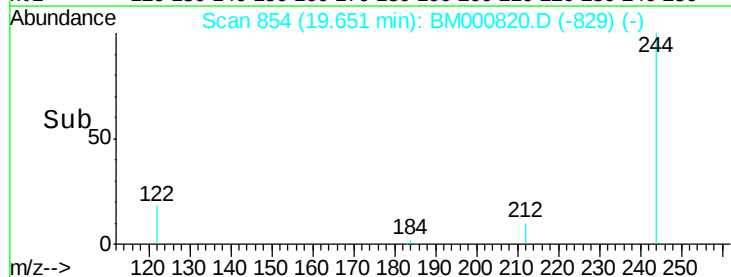
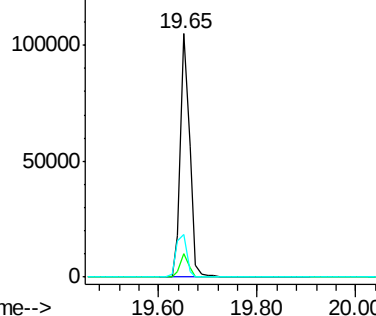
122 17.6 14.7 22.1

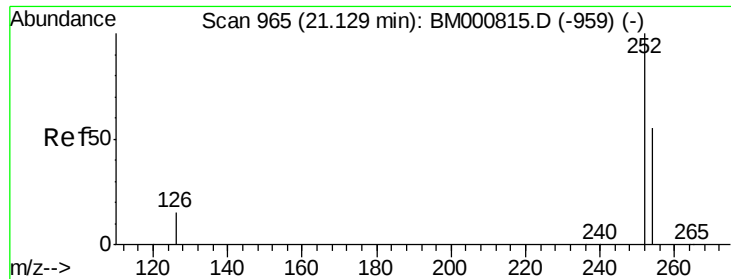


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

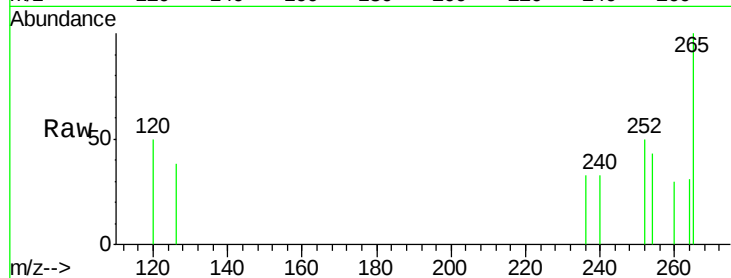




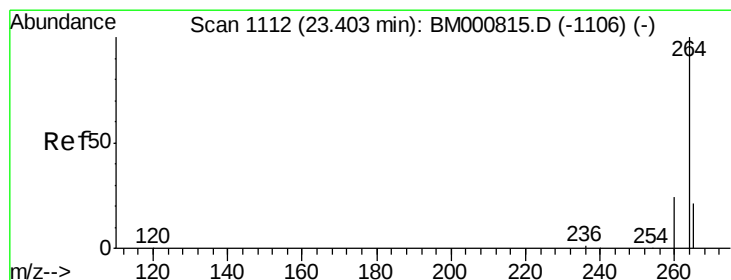
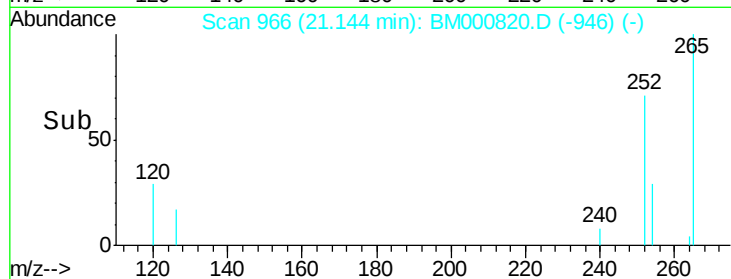
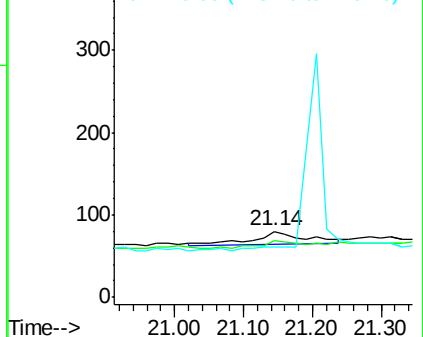
#33
 3,3'-Dichlorobenzidine
 Concen: 0.20 ng
 RT: 21.14 min Scan# 966
 Delta R.T. 0.02 min
 Lab File: BM000820.D
 Acq: 02 Apr 2015 23:20

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:252 Resp: 87
 Ion Ratio Lower Upper
 252 100
 254 86.3 44.5 66.7#
 126 76.3 13.6 20.4#

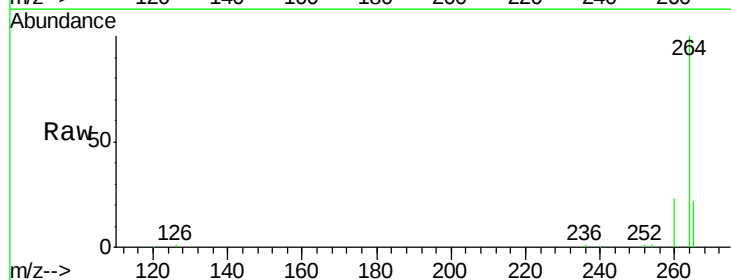


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E



#34
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 1112
 Delta R.T. -0.00 min
 Lab File: BM000820.D
 Acq: 02 Apr 2015 23:20

Tgt Ion:264 Resp: 111773
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.1 28.7
 265 22.4 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

