

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040315\
 Data File : BM000834.D
 Acq On : 03 Apr 2015 09:30
 Operator : TP/IZ
 Sample : MDL-03-W
 Misc : MDL-WATER-0.1/0.2
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-03-W

Quant Time: Apr 03 18:46:52 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 18:16:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	24749	5.00	ng	0.00
11) Naphthalene-d8	10.39	136	117124	5.00	ng	0.00
19) Acenaphthene-d10	14.28	164	59320	5.00	ng	0.00
26) Phenanthrene-d10	17.00	188	127467	5.00	ng	0.00
30) Chrysene-d12	21.21	240	112886	5.00	ng	0.00
34) Perylene-d12	23.40	264	100838	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	85347	12.52	ng	0.00
5) Phenol-d6	6.77	99	146415	11.19	ng	0.00
12) Nitrobenzene-d5	8.77	82	40701	7.45	ng	0.00
20) 2,4,6-Tribromophenol	15.77	330	23146	9.22	ng	0.00
23) 2-Fluorobiphenyl	12.87	172	174266	9.54	ng	0.00
32) Terphenyl-d14	19.65	244	141486	10.41	ng	0.00

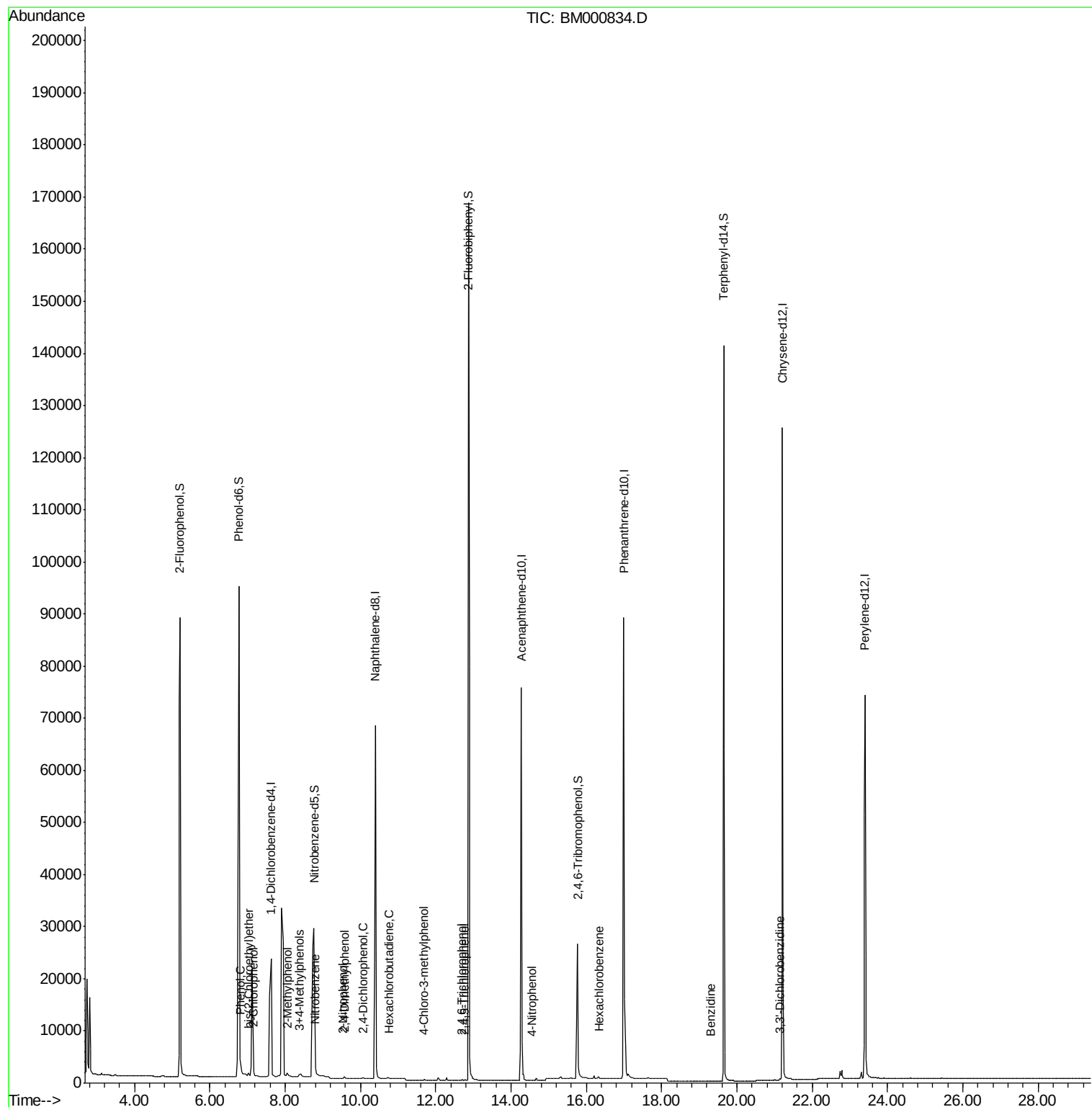
Target Compounds						Qvalue
6) 2-Chlorophenol	7.17	128	667	0.27	ng	82
7) Phenol	6.81	94	819	0.08	ng	# 58
8) bis(2-Chloroethyl)ether	7.02	93	556m	0.27	ng	
9) 2-Methylphenol	8.06	107	519	0.22	ng	# 77
10) 3+4-Methylphenols	8.38	107	534	0.18	ng	# 69
13) Nitrobenzene	8.80	77	661	0.10	ng	# 79
14) 2-Nitrophenol	9.52	139	178	0.19	ng	# 3
15) 2,4-Dimethylphenol	9.58	122	350	0.05	ng	# 75
16) 2,4-Dichlorophenol	10.07	162	361	0.27	ng	# 80
17) Hexachlorobutadiene	10.75	225	345	0.08	ng	# 85
18) 4-Chloro-3-methylphenol	11.69	107	392	0.07	ng	# 88
21) 2,4,6-Trichlorophenol	12.70	196	181	0.16	ng	# 57
22) 2,4,5-Trichlorophenol	12.77	196	188	0.09	ng	87
25) 4-Nitrophenol	14.54	139	58m	0.26	ng	
28) Hexachlorobenzene	16.33	284	552	0.14	ng	# 66
31) Benzidine	19.30	184	492	0.21	ng	98
33) 3,3'-Dichlorobenzidine	21.14	252	509	0.24	ng	# 73

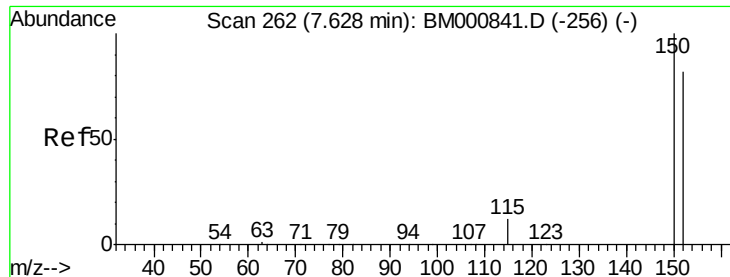
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 23 Sample Multiplier: 1

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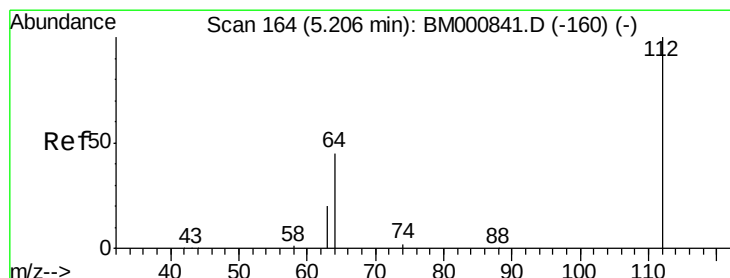
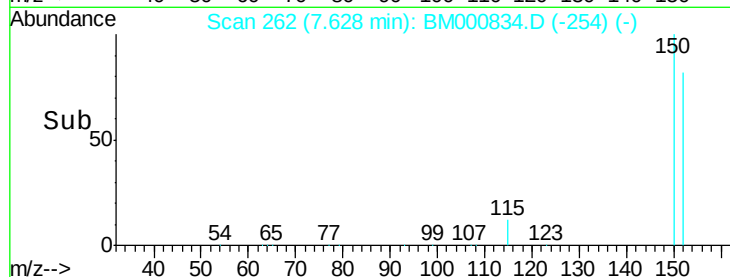
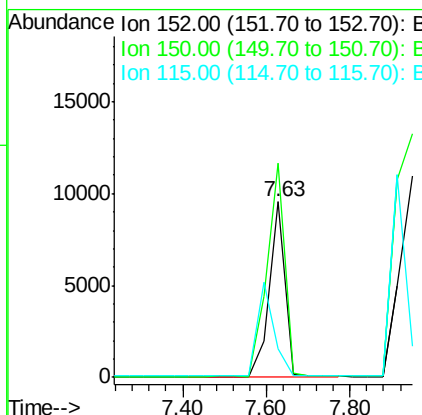
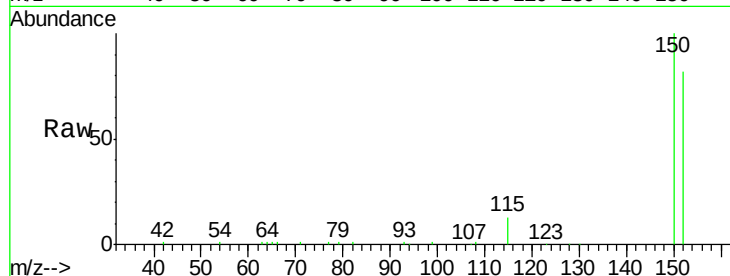


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.63 min Scan# 262
Delta R.T. -0.00 min
Lab File: BM000834.D
Acq: 03 Apr 2015 09:30

Instrument :
BNA_M
ClientSampleId :
MDL-03-W

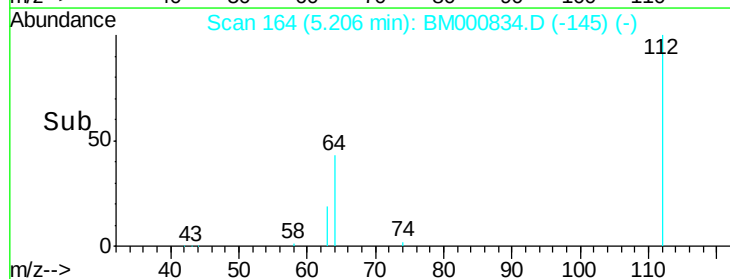
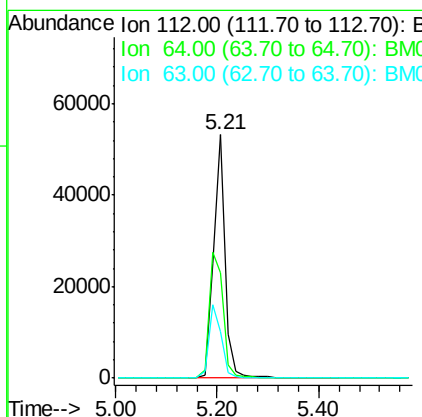
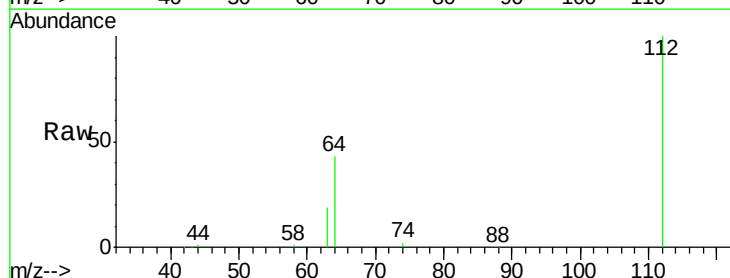
Tot Ion:152 Resp: 24749
Ion Ratio Lower Upper
152 100
150 122.0 99.8 149.6
115 15.9 13.5 20.3

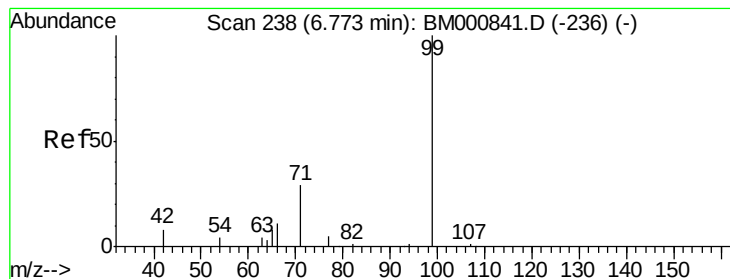


#4

2-Fluorophenol
Concen: 12.52 ng
RT: 5.21 min Scan# 164
Delta R.T. -0.00 min
Lab File: BM000834.D
Acq: 03 Apr 2015 09:30

Tgt Ion:112 Resp: 85347
Ion Ratio Lower Upper
112 100
64 43.2 40.3 60.5
63 19.0 19.0 28.4





#5

Phenol-d6

Concen: 11.19 ng

RT: 6.77 min Scan# 238

Delta R.T. 0.00 min

Lab File: BM000834.D

Acq: 03 Apr 2015 09:30

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

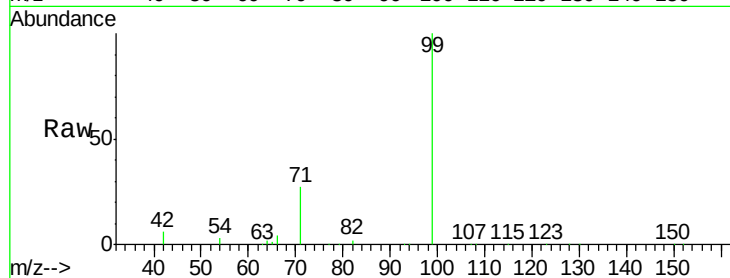
Tot Ion: 99 Resp: 146415

Ion Ratio Lower Upper

99 100

42 6.0 10.2 15.4#

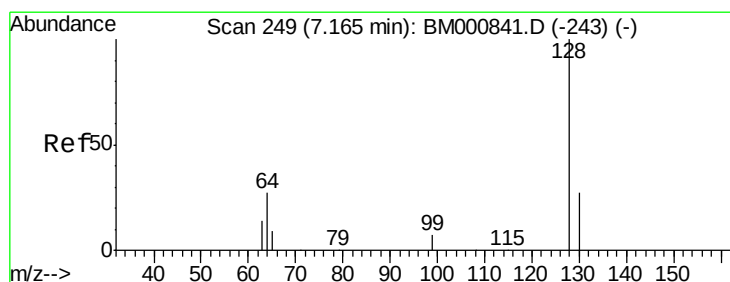
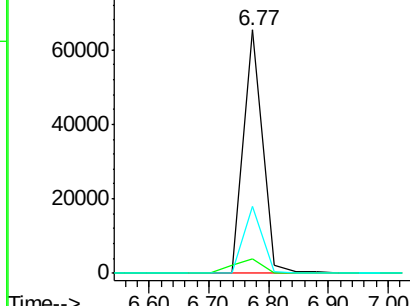
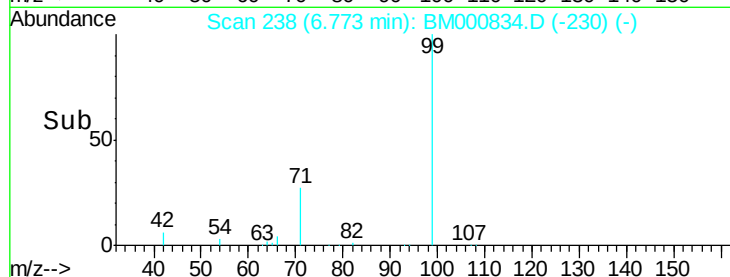
71 27.3 28.6 43.0#



Abundance Ion 99.00 (98.70 to 99.70): BM000834.D (-236) (-)

Ion 42.00 (41.70 to 42.70): BM000834.D (-236) (-)

Ion 71.00 (70.70 to 71.70): BM000834.D (-236) (-)



#6

2-Chlorophenol

Concen: 0.27 ng

RT: 7.17 min Scan# 249

Delta R.T. 0.00 min

Lab File: BM000834.D

Acq: 03 Apr 2015 09:30

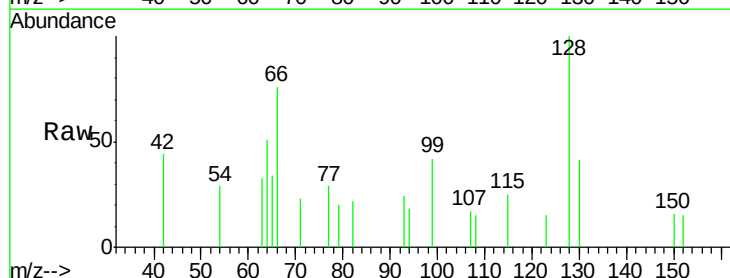
Tgt Ion: 128 Resp: 667

Ion Ratio Lower Upper

128 100

130 41.4 7.6 47.6

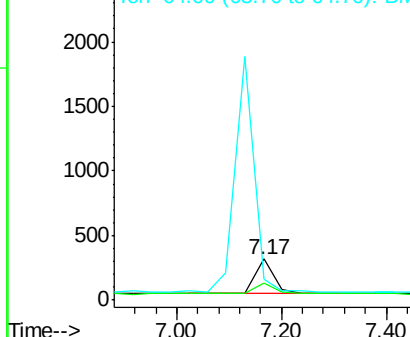
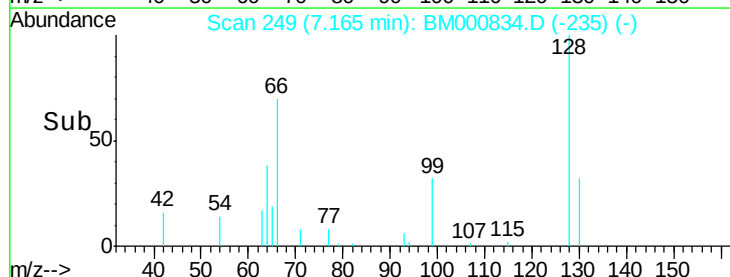
64 50.8 23.1 63.1

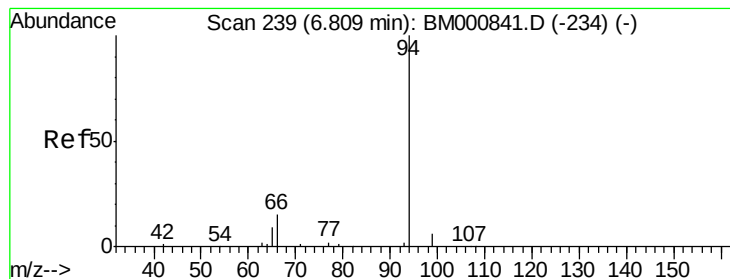


Abundance Ion 128.00 (127.70 to 128.70): BM000834.D (-243) (-)

Ion 130.00 (129.70 to 130.70): BM000834.D (-243) (-)

Ion 64.00 (63.70 to 64.70): BM000834.D (-243) (-)





#7

Phenol

Concen: 0.08 ng

RT: 6.81 min Scan# 239

Delta R.T. -0.00 min

Lab File: BM000834.D

Acq: 03 Apr 2015 09:30

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

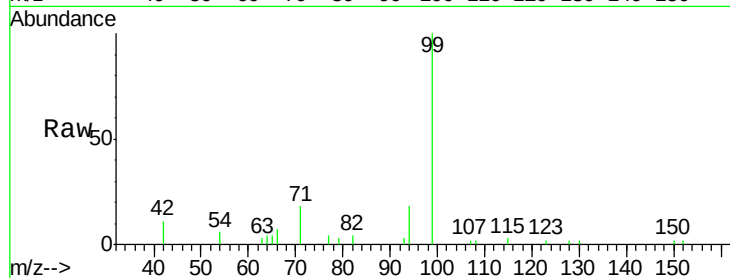
Tot Ion: 94 Resp: 819

Ion Ratio Lower Upper

94 100

65 24.9 0.0 32.0

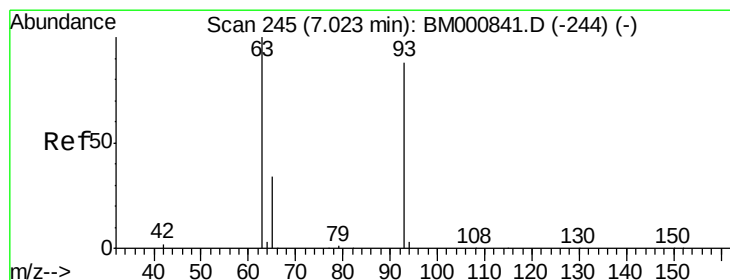
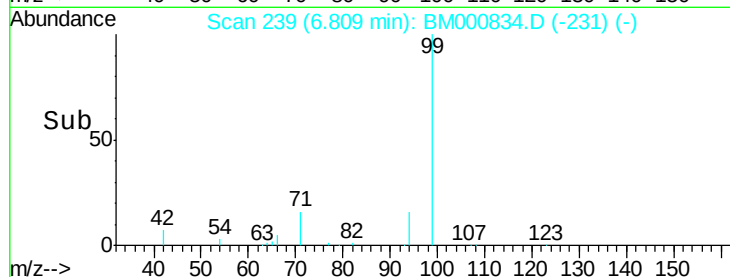
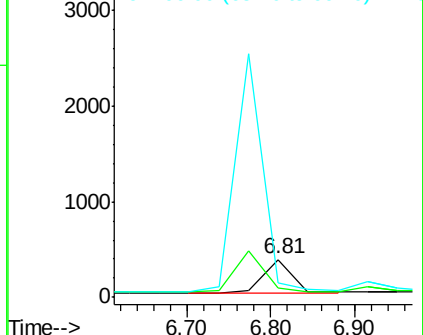
66 38.9 0.0 37.6#



Abundance Ion 94.00 (93.70 to 94.70): BM000834.D (-234) (-)

Ion 65.00 (64.70 to 65.70): BM000834.D (-234) (-)

Ion 66.00 (65.70 to 66.70): BM000834.D (-234) (-)



#8

bis(2-Chloroethyl)ether

Concen: 0.27 ng m

RT: 7.02 min Scan# 245

Delta R.T. 0.00 min

Lab File: BM000834.D

Acq: 03 Apr 2015 09:30

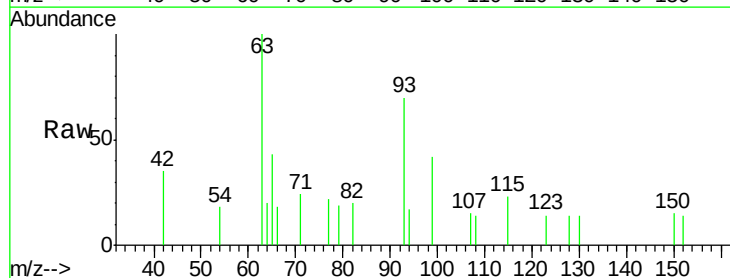
Tgt Ion: 93 Resp: 556

Ion Ratio Lower Upper

93 100

63 142.3 118.9 158.9

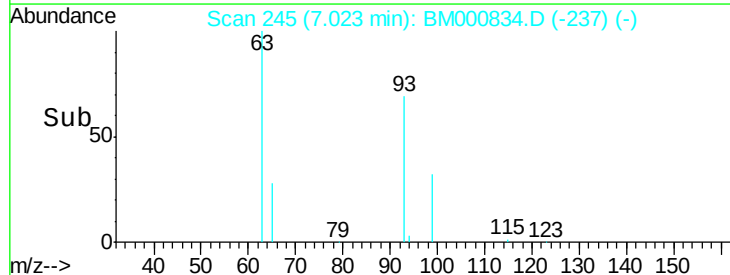
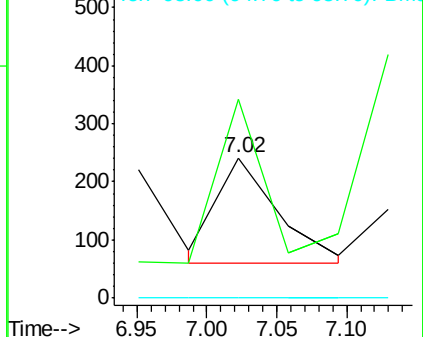
95 0.0 0.0 20.0

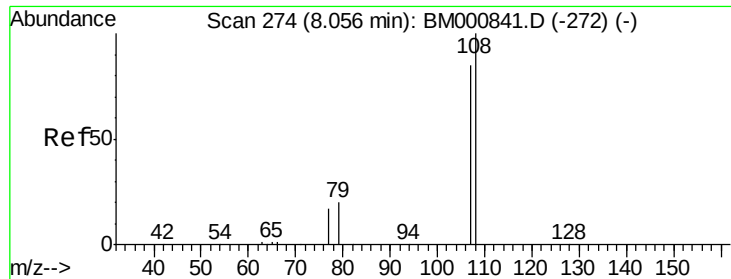


Abundance Ion 93.00 (92.70 to 93.70): BM000834.D (-244) (-)

Ion 63.00 (62.70 to 63.70): BM000834.D (-244) (-)

Ion 95.00 (94.70 to 95.70): BM000834.D (-244) (-)





#9

2-Methylphenol

Concen: 0.22 ng

RT: 8.06 min Scan# 274

Delta R.T. -0.00 min

Lab File: BM000834.D

Acq: 03 Apr 2015 09:30

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

Tot Ion:107 Resp: 519

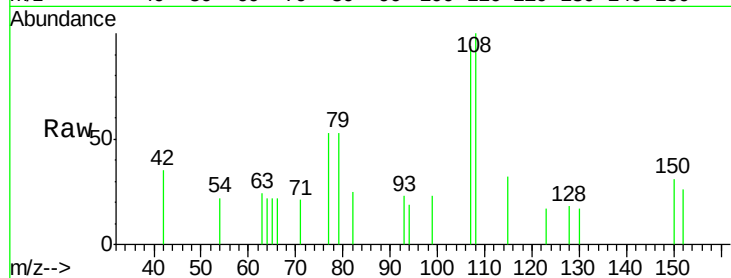
Ion Ratio Lower Upper

107 100

108 106.7 92.0 138.0

77 56.5 20.6 31.0#

79 56.1 22.9 34.3#



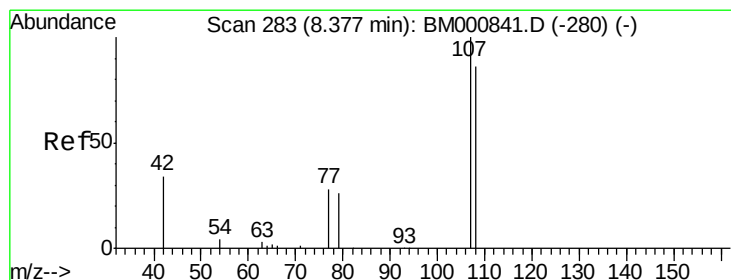
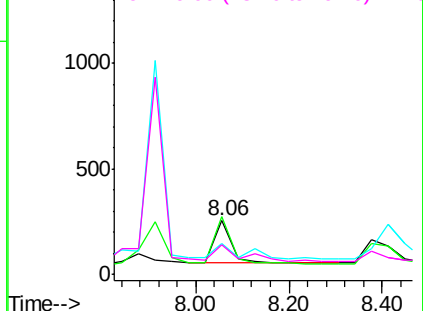
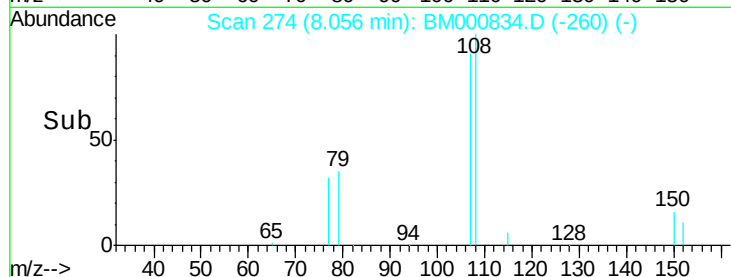
Abundance

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): BMC

Ion 79.00 (78.70 to 79.70): BMC



#10

3+4-Methylphenols

Concen: 0.18 ng

RT: 8.38 min Scan# 283

Delta R.T. 0.00 min

Lab File: BM000834.D

Acq: 03 Apr 2015 09:30

Tgt Ion:107 Resp: 534

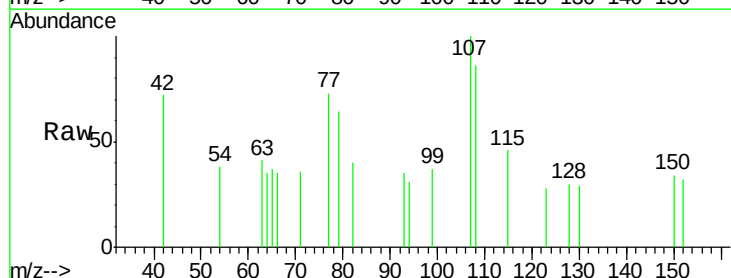
Ion Ratio Lower Upper

107 100

108 86.2 62.6 102.6

77 73.1 12.8 52.8#

79 64.1 10.3 50.3#



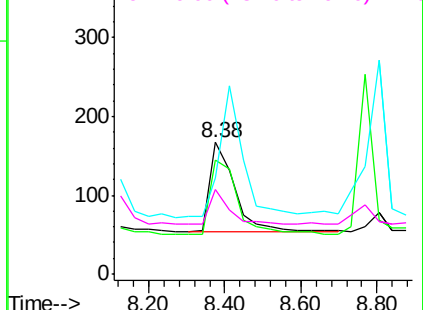
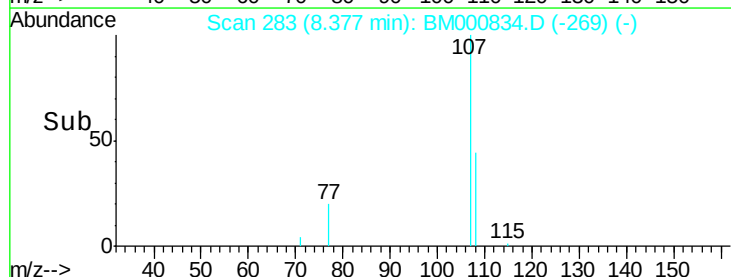
Abundance

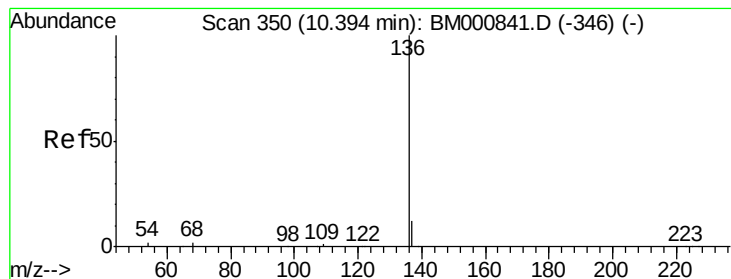
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BMC

Ion 79.00 (78.70 to 79.70): BMC





#11

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 350

Delta R.T. -0.00 min

Lab File: BM000834.D

Acq: 03 Apr 2015 09:30

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

Tot Ion:136 Resp: 117124

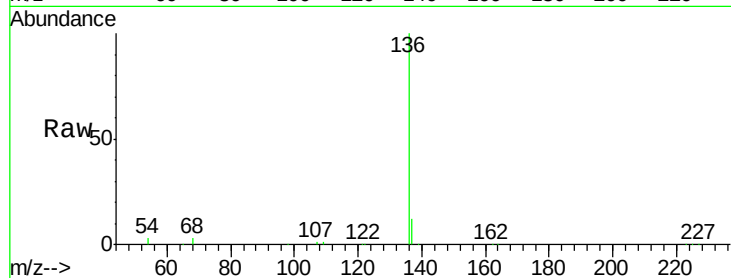
Ion Ratio Lower Upper

136 100

137 11.6 9.1 13.7

54 2.8 2.2 3.4

68 2.7 2.2 3.2

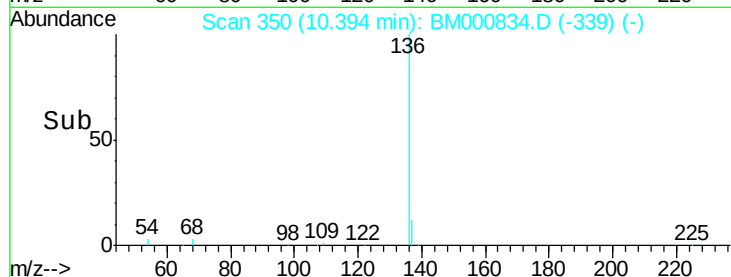


Abundance Ion 136.00 (135.70 to 136.70): E

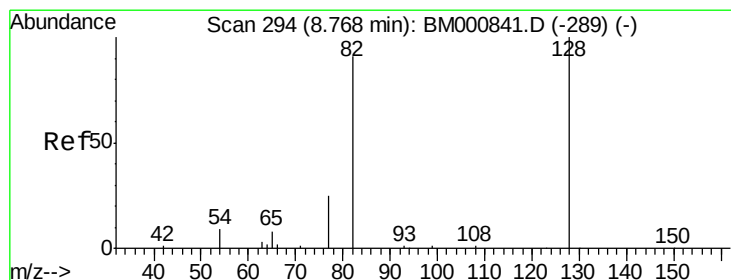
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



Time-->



#12

Nitrobenzene-d5

Concen: 7.45 ng

RT: 8.77 min Scan# 294

Delta R.T. -0.00 min

Lab File: BM000834.D

Acq: 03 Apr 2015 09:30

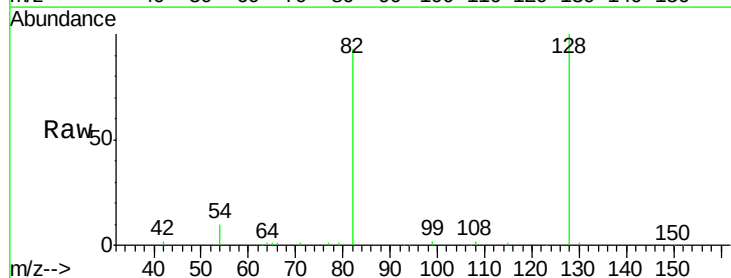
Tgt Ion: 82 Resp: 40701

Ion Ratio Lower Upper

82 100

128 107.3 72.5 108.7

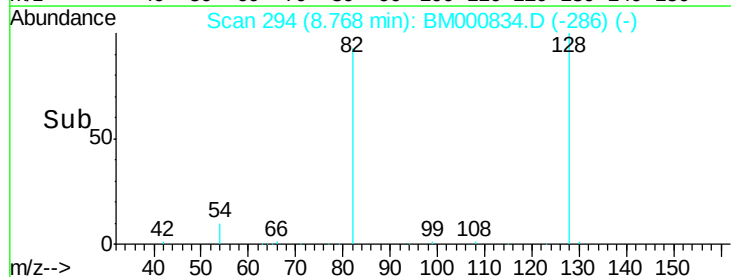
54 10.8 11.8 17.8#



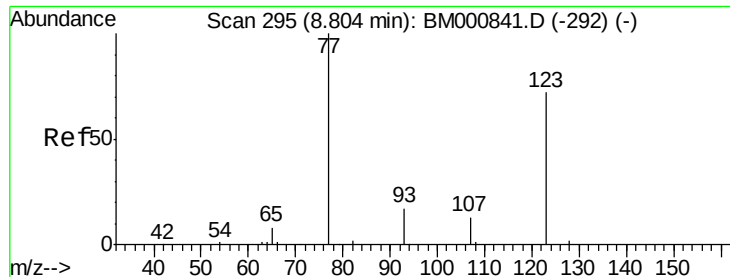
Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM



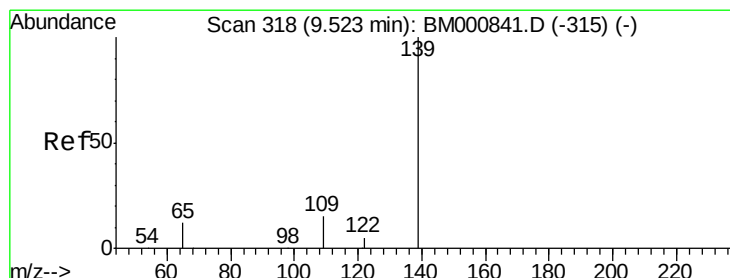
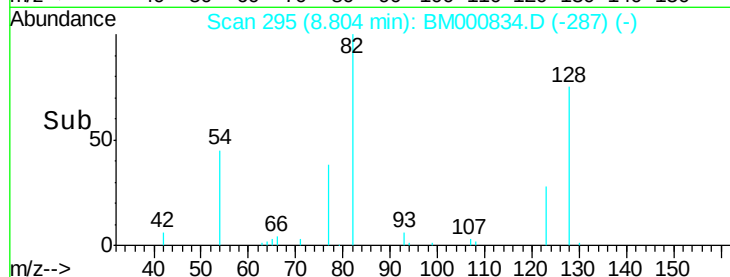
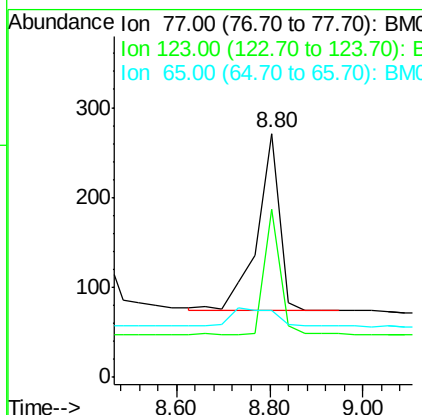
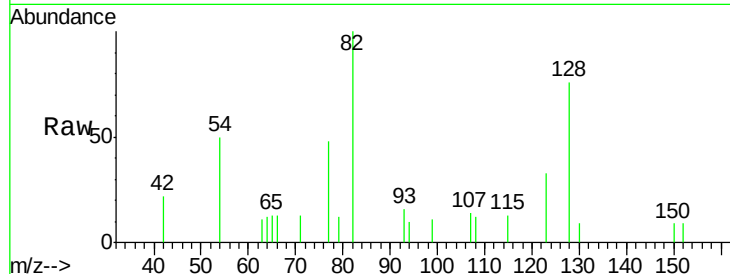
Time-->



#13
Nitrobenzene
Concen: 0.10 ng
RT: 8.80 min Scan# 295
Delta R.T. -0.00 min
Lab File: BM000834.D
Acq: 03 Apr 2015 09:30

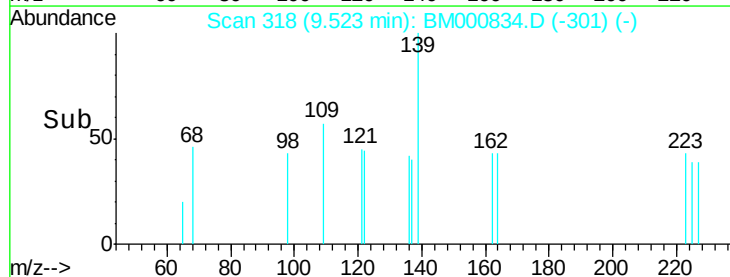
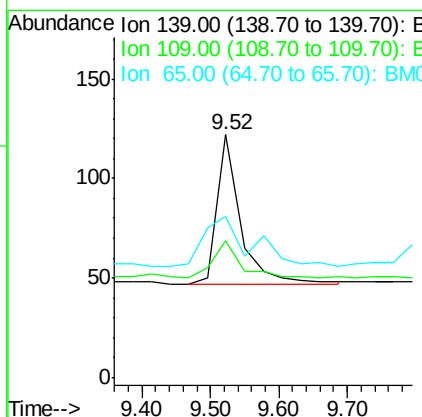
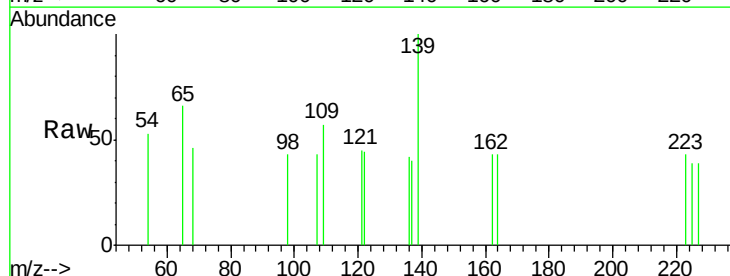
Instrument :
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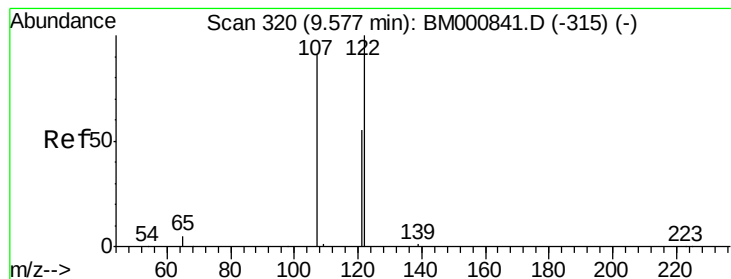
Tot Ion: 77 Resp: 661
Ion Ratio Lower Upper
77 100
123 69.0 45.8 68.6#
65 27.3 8.2 12.4#



#14
2-Nitrophenol
Concen: 0.19 ng
RT: 9.52 min Scan# 318
Delta R.T. 0.00 min
Lab File: BM000834.D
Acq: 03 Apr 2015 09:30

Tgt Ion: 139 Resp: 178
Ion Ratio Lower Upper
139 100
109 56.6 15.0 22.6#
65 66.4 14.2 21.4#





#15

2,4-Dimethylphenol

Concen: 0.05 ng

RT: 9.58 min Scan# 320

Delta R.T. -0.00 min

Lab File: BM000834.D

Acq: 03 Apr 2015 09:30

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

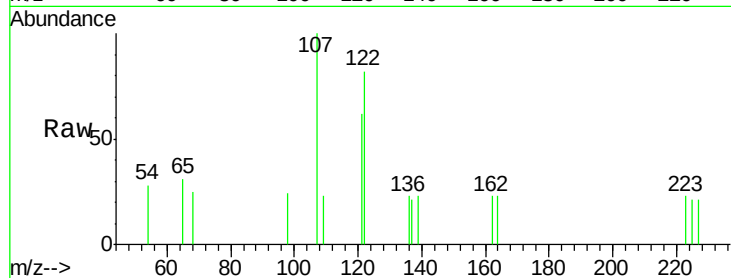
Tot Ion:122 Resp: 350

Ion Ratio Lower Upper

122 100

107 122.6 78.2 117.4#

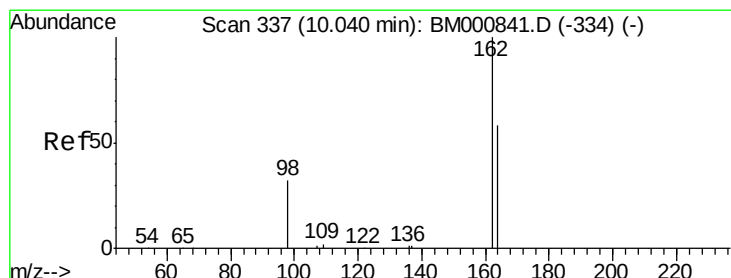
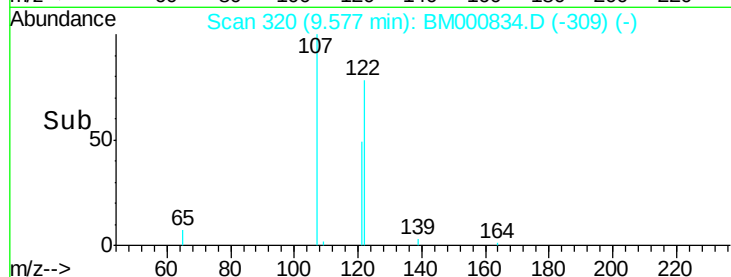
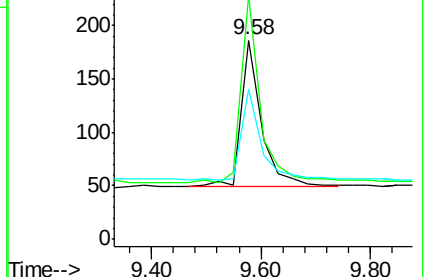
121 75.8 45.4 68.0#



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: 0.27 ng

RT: 10.07 min Scan# 338

Delta R.T. 0.03 min

Lab File: BM000834.D

Acq: 03 Apr 2015 09:30

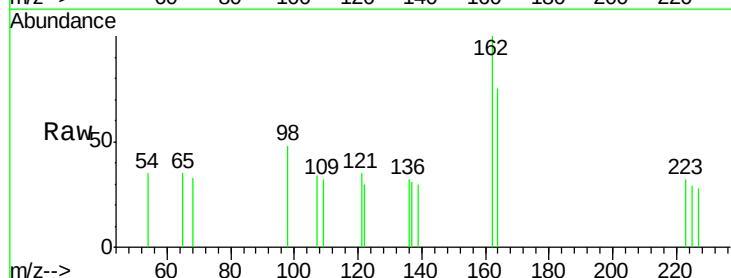
Tgt Ion:162 Resp: 361

Ion Ratio Lower Upper

162 100

164 74.7 37.1 77.1

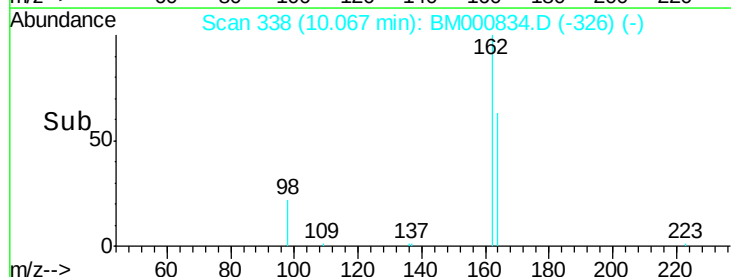
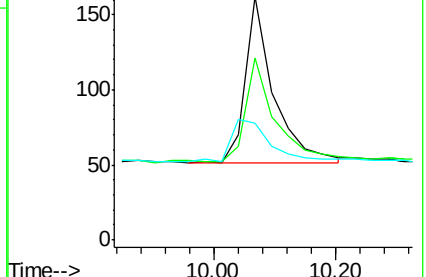
98 48.1 19.5 59.5

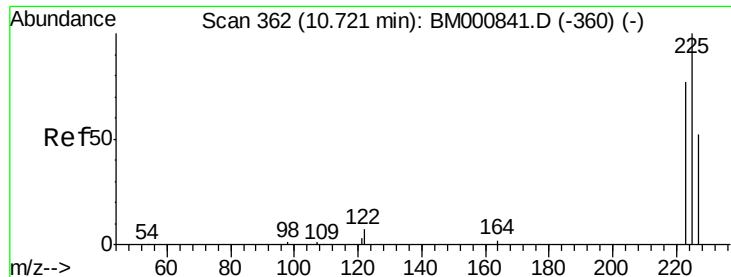


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM





#17

Hexachlorobutadiene

Concen: 0.08 ng

RT: 10.75 min Scan# 363

Delta R.T. -0.00 min

Lab File: BM000834.D

Acq: 03 Apr 2015 09:30

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

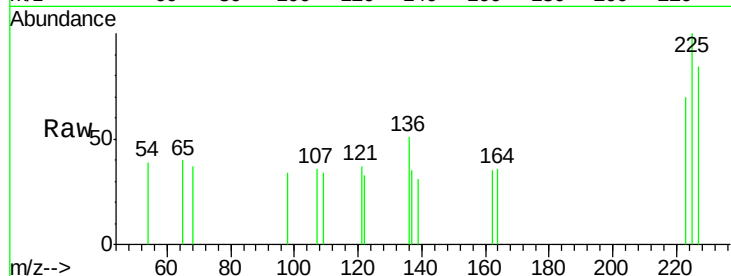
Tot Ion:225 Resp: 345

Ion Ratio Lower Upper

225 100

223 70.0 40.8 61.2#

227 84.0 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

10.75

150

100

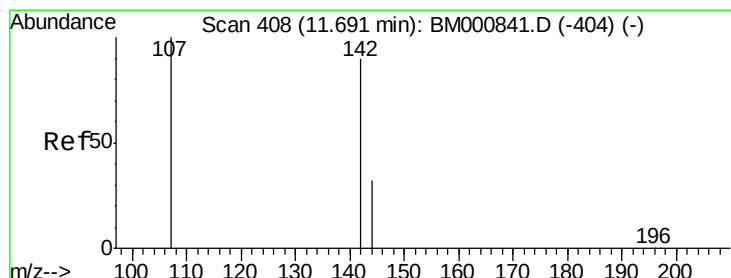
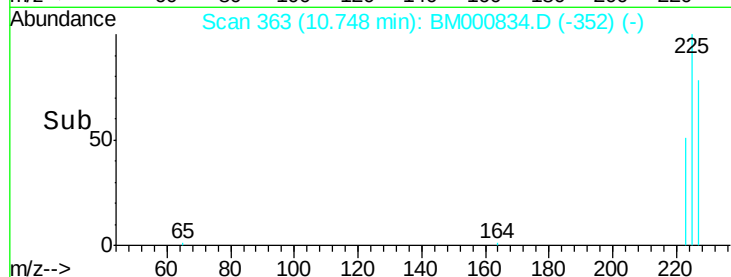
50

0

10.60

10.80

Time-->



#18

4-Chloro-3-methylphenol

Concen: 0.07 ng

RT: 11.69 min Scan# 408

Delta R.T. -0.00 min

Lab File: BM000834.D

Acq: 03 Apr 2015 09:30

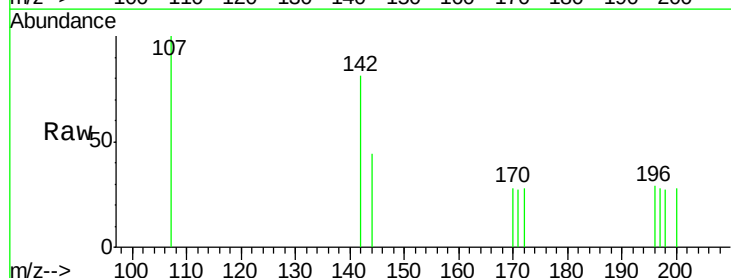
Tgt Ion:107 Resp: 392

Ion Ratio Lower Upper

107 100

144 44.1 25.8 38.8#

142 81.2 71.3 106.9



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

800

600

400

200

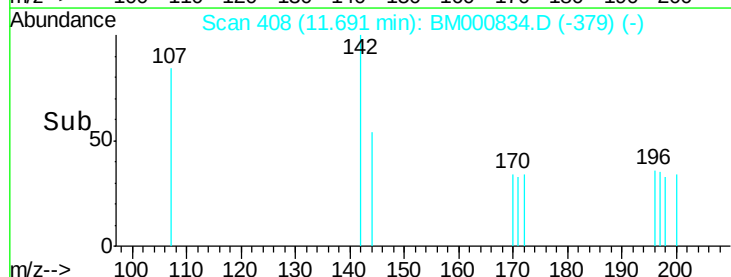
0

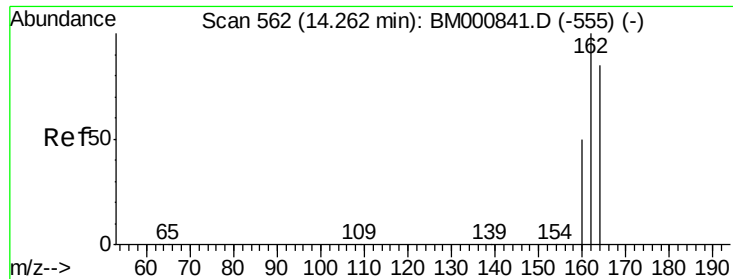
11.69

11.80

12.00

Time-->

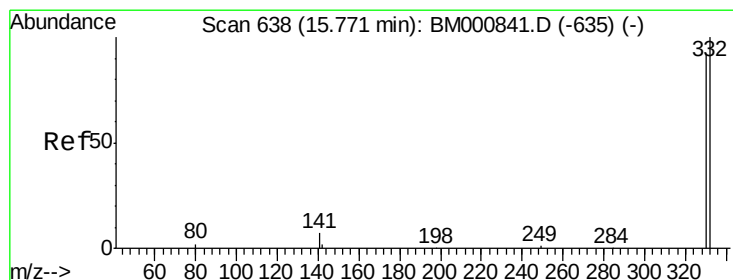
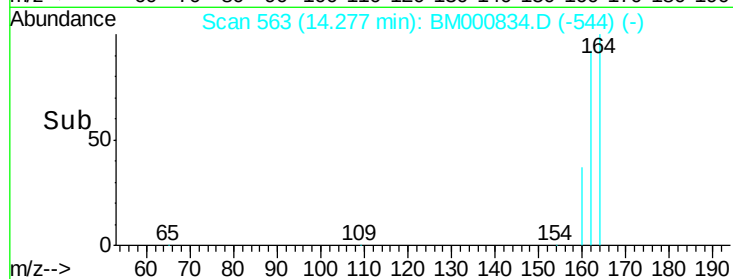
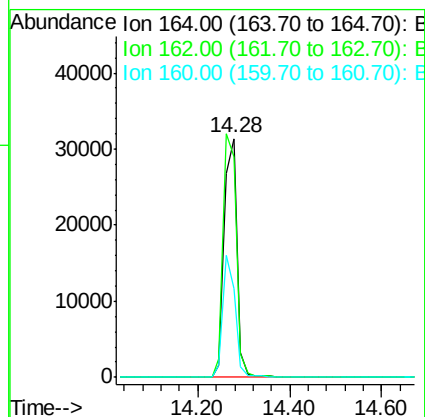
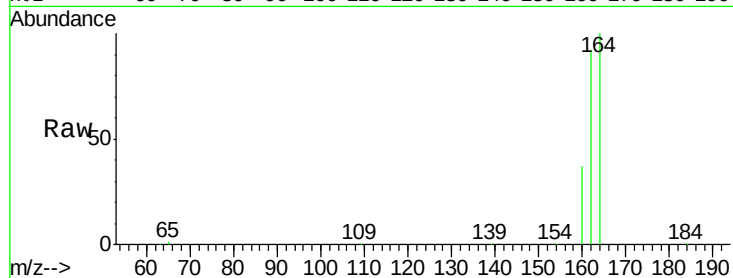




#19
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.28 min Scan# 563
Delta R.T. -0.00 min
Lab File: BM000834.D
Acq: 03 Apr 2015 09:30

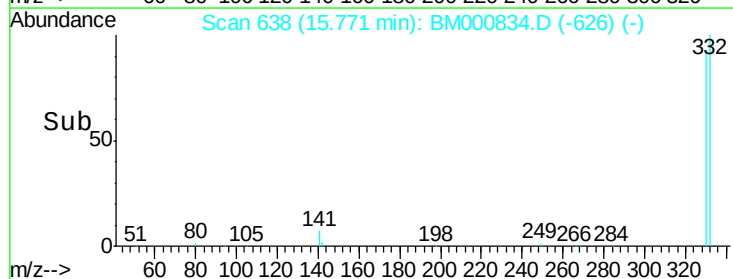
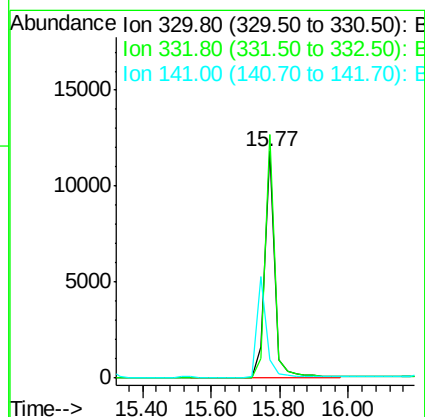
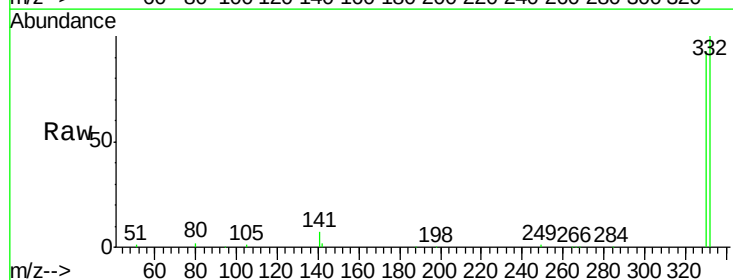
Instrument :
BNA_M
ClientSampleId :
MDL-03-W

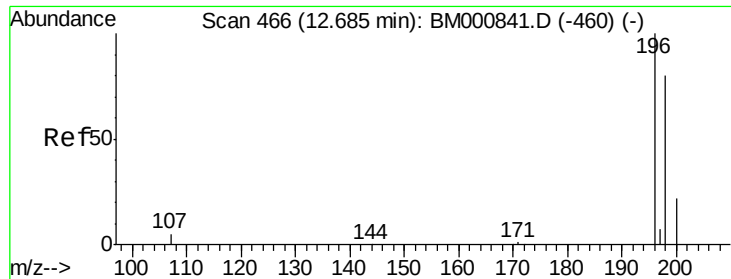
Tot Ion:164 Resp: 59320
Ion Ratio Lower Upper
164 100
162 92.2 74.2 111.2
160 36.9 30.4 45.6



#20
2,4,6-Tribromophenol
Concen: 9.22 ng
RT: 15.77 min Scan# 638
Delta R.T. 0.00 min
Lab File: BM000834.D
Acq: 03 Apr 2015 09:30

Tgt Ion:330 Resp: 23146
Ion Ratio Lower Upper
330 100
332 102.5 78.7 118.1
141 0.0 0.0 0.0





#21

2,4,6-Trichlorophenol

Concen: 0.16 ng

RT: 12.70 min Scan# 467

Delta R.T. 0.02 min

Lab File: BM000834.D

Acq: 03 Apr 2015 09:30

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

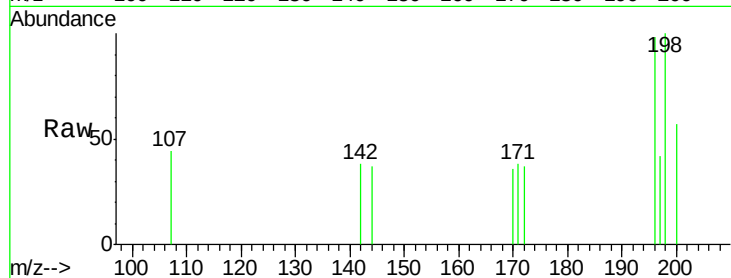
Tot Ion:196 Resp: 181

Ion Ratio Lower Upper

196 100

198 102.4 59.5 89.3#

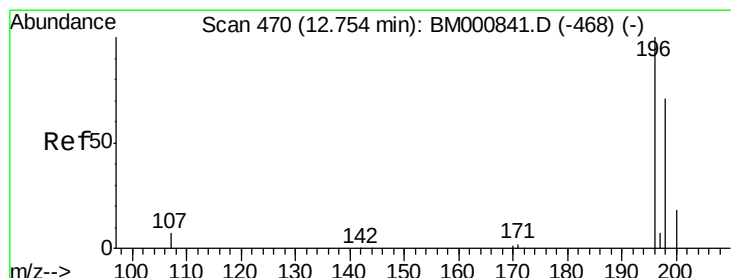
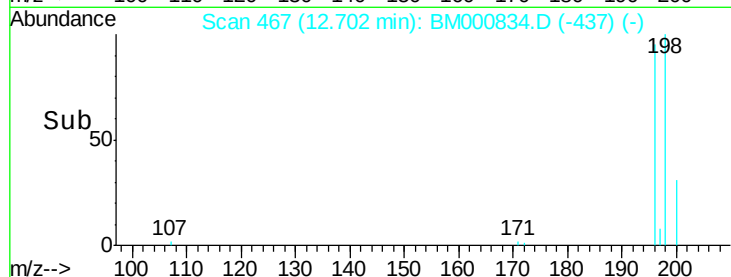
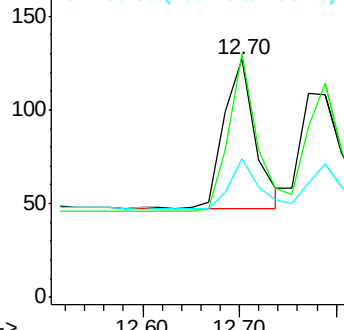
200 58.3 17.4 26.0#



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: 0.09 ng

RT: 12.77 min Scan# 471

Delta R.T. 0.02 min

Lab File: BM000834.D

Acq: 03 Apr 2015 09:30

Tgt Ion:196 Resp: 188

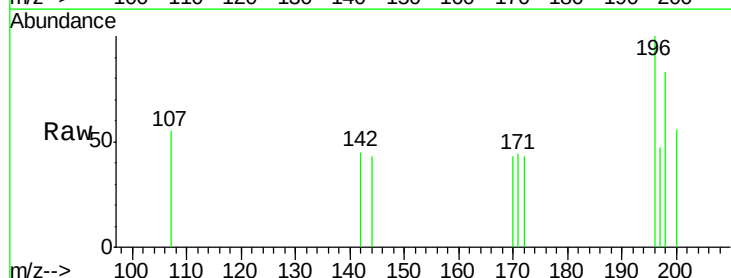
Ion Ratio Lower Upper

196 100

198 83.5 57.9 86.9

97 0.0 0.0 0.0

132 0.0 0.0 0.0

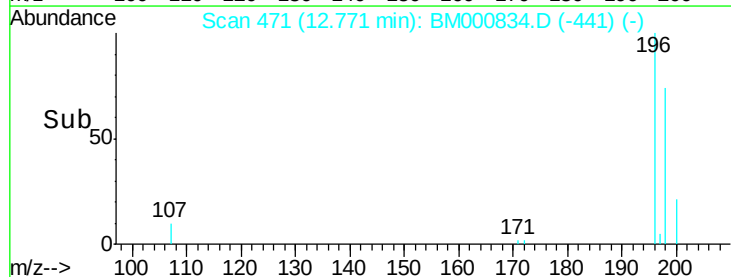
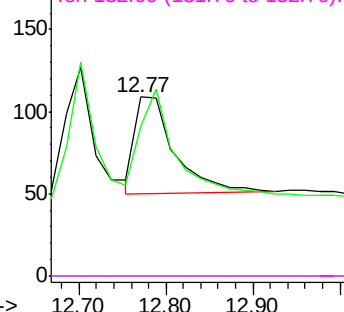


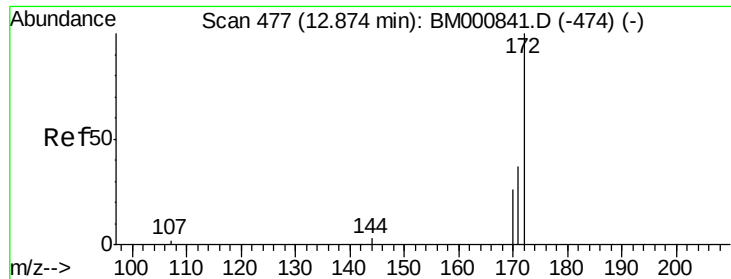
Abundance Ion 196.00 (195.70 to 196.70): E

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

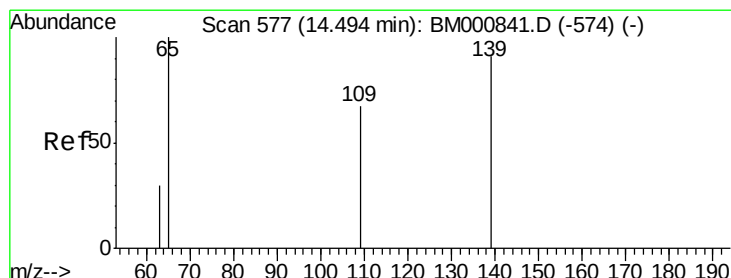
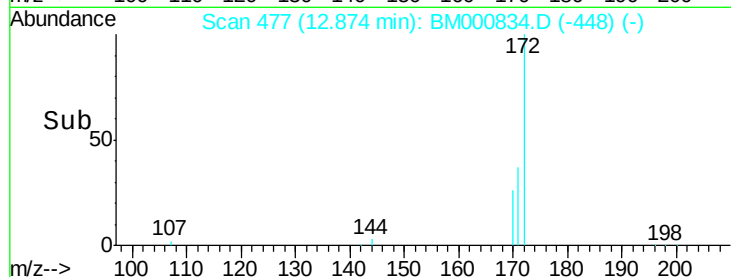
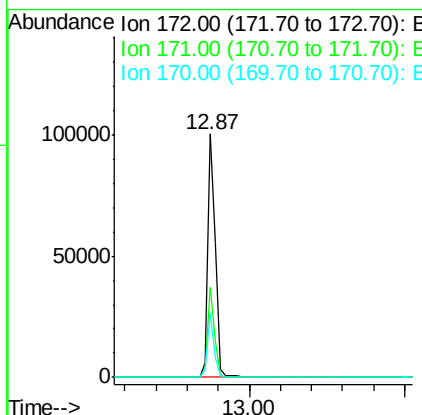
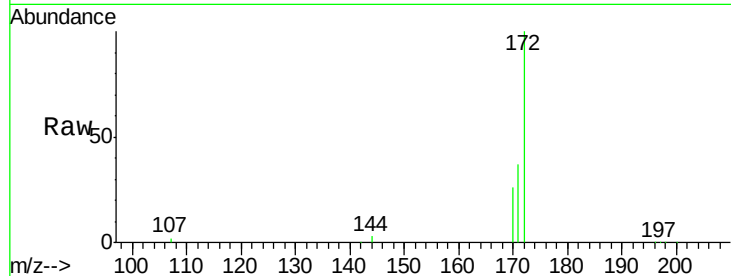




#23
2-Fluorobiphenyl
Concen: 9.54 ng
RT: 12.87 min Scan# 477
Delta R.T. -0.00 min
Lab File: BM000834.D
Acq: 03 Apr 2015 09:30

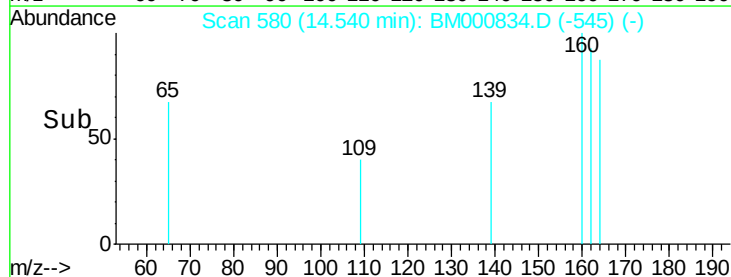
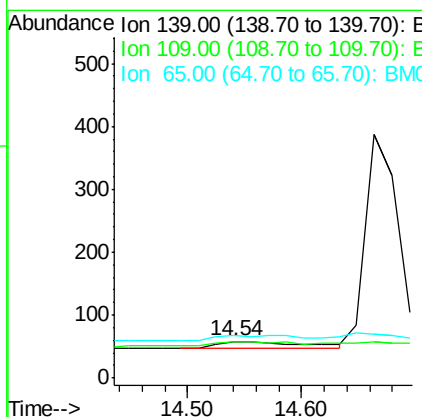
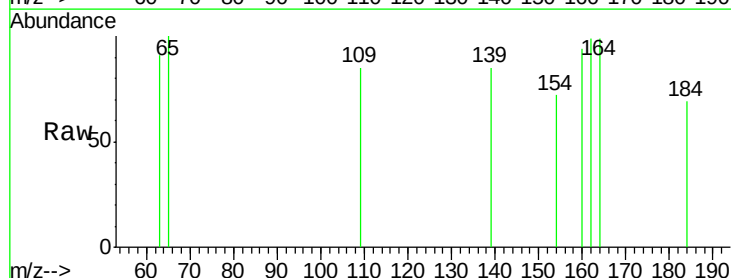
Instrument :
BNA_M
ClientSampleId :
MDL-03-W

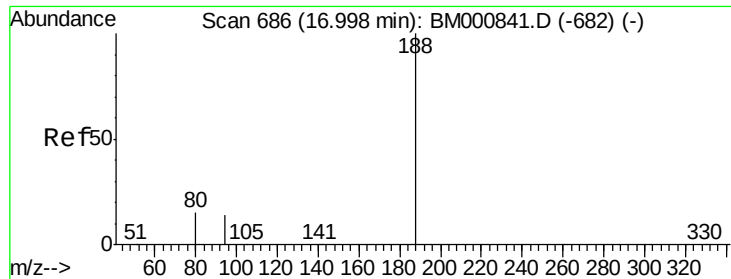
Tot Ion:172 Resp: 174266
Ion Ratio Lower Upper
172 100
171 37.0 30.6 46.0
170 26.4 22.2 33.2



#25
4-Nitrophenol
Concen: 0.26 ng m
RT: 14.54 min Scan# 580
Delta R.T. 0.05 min
Lab File: BM000834.D
Acq: 03 Apr 2015 09:30

Tgt Ion:139 Resp: 58
Ion Ratio Lower Upper
139 100
109 100.0 58.2 98.2#
65 117.2 90.4 130.4

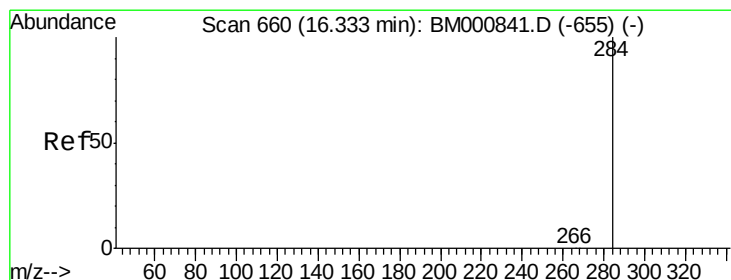
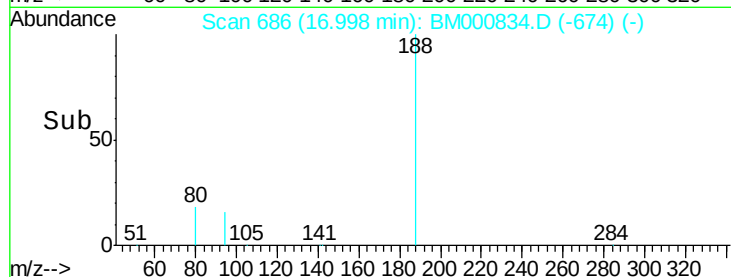
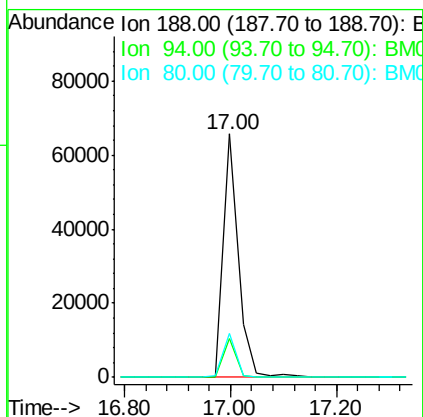
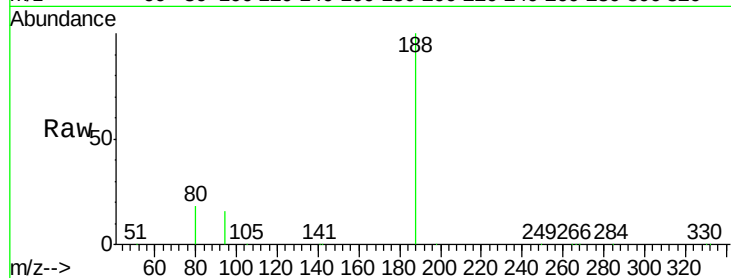




#26
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.00 min Scan# 686
Delta R.T. -0.00 min
Lab File: BM000834.D
Acq: 03 Apr 2015 09:30

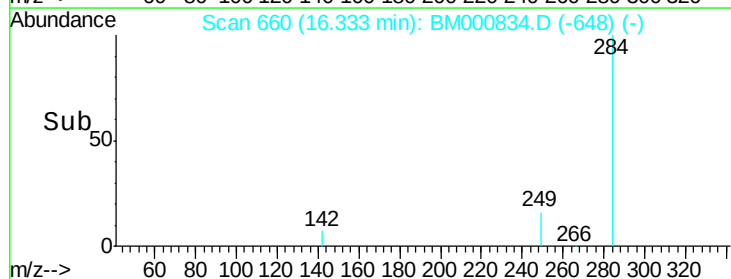
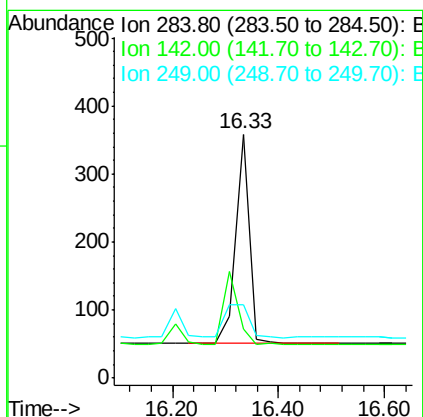
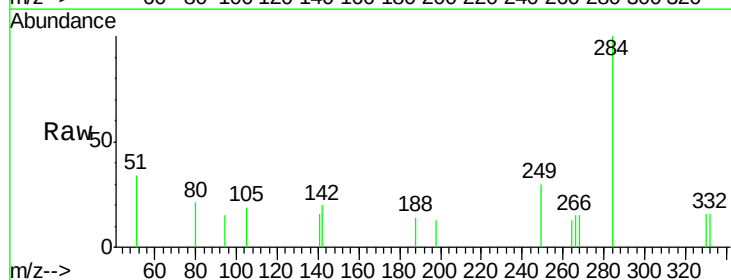
Instrument :
BNA_M
ClientSampleId :
MDL-03-W

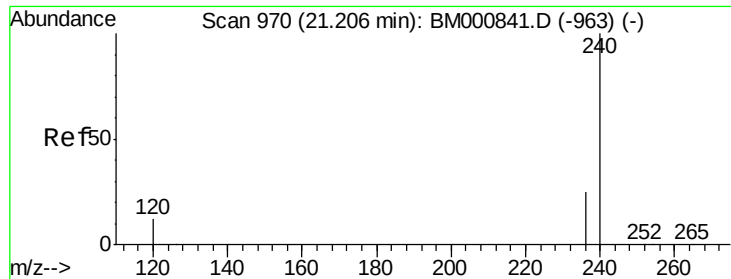
Tot Ion:188 Resp: 127467
Ion Ratio Lower Upper
188 100
94 16.2 13.0 19.6
80 18.1 14.7 22.1



#28
Hexachlorobenzene
Concen: 0.14 ng
RT: 16.33 min Scan# 660
Delta R.T. 0.00 min
Lab File: BM000834.D
Acq: 03 Apr 2015 09:30

Tgt Ion:284 Resp: 552
Ion Ratio Lower Upper
284 100
142 20.1 6.5 9.7#
249 30.2 12.6 18.8#

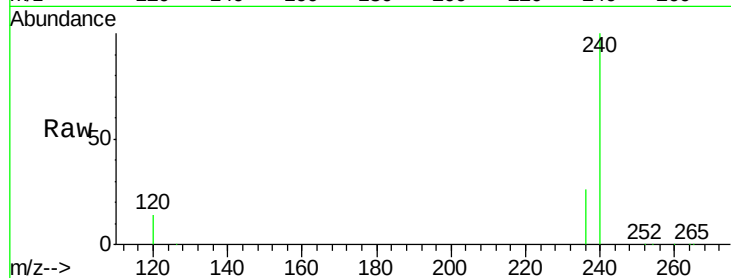




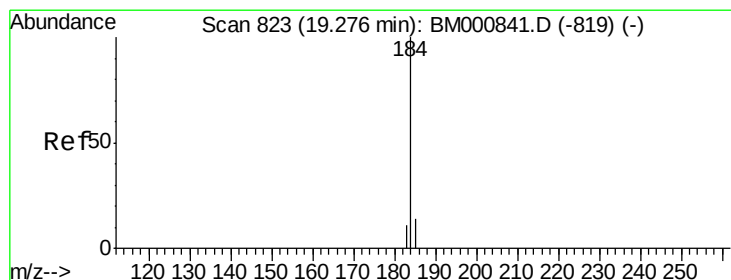
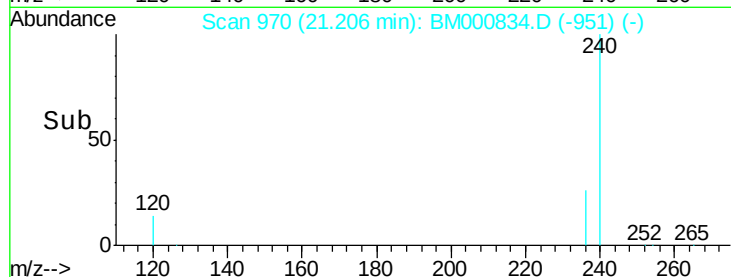
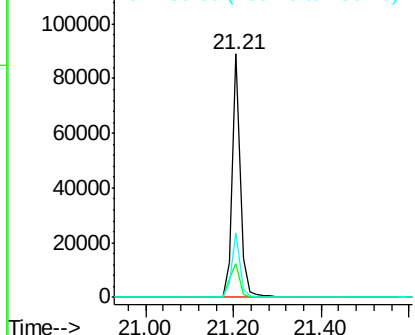
#30
Chrysene-d12
Concen: 5.00 ng
RT: 21.21 min Scan# 970
Delta R.T. -0.00 min
Lab File: BM000834.D
Acq: 03 Apr 2015 09:30

Instrument :
BNA_M
ClientSampleId :
MDL-03-W

Tot Ion:240 Resp: 112886
Ion Ratio Lower Upper
240 100
120 13.9 11.3 16.9
236 26.4 21.1 31.7

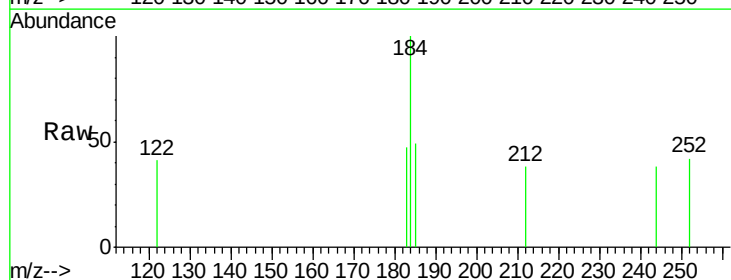


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

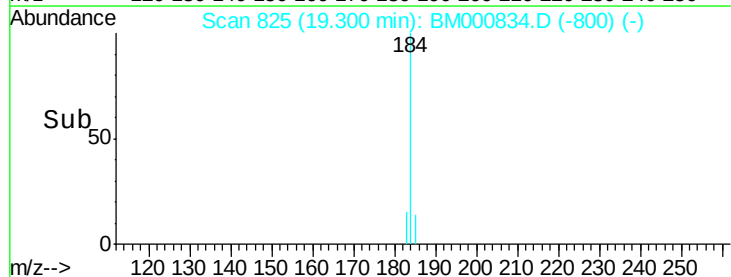
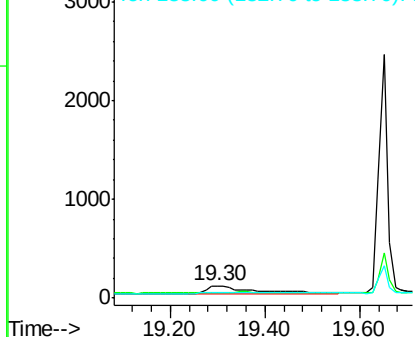


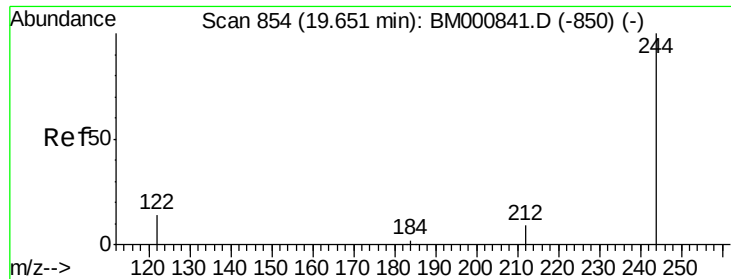
#31
Benzidine
Concen: 0.21 ng
RT: 19.30 min Scan# 825
Delta R.T. 0.00 min
Lab File: BM000834.D
Acq: 03 Apr 2015 09:30

Tgt Ion:184 Resp: 492
Ion Ratio Lower Upper
184 100
185 48.8 39.1 58.7
183 47.2 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

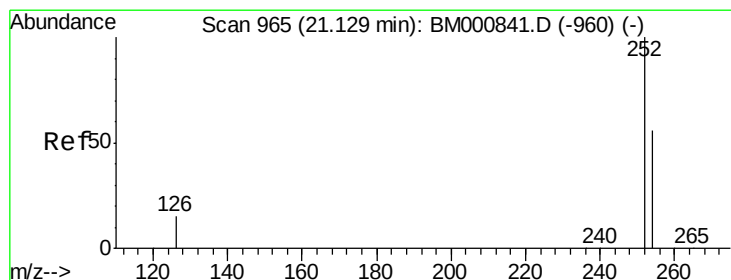
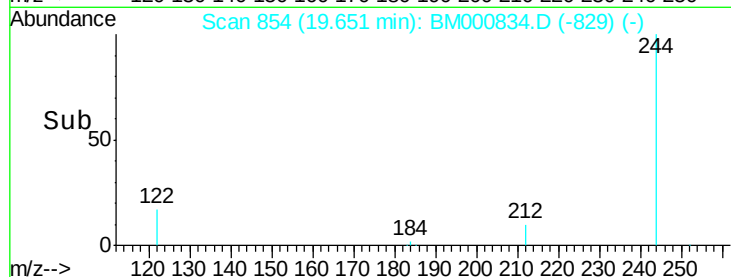
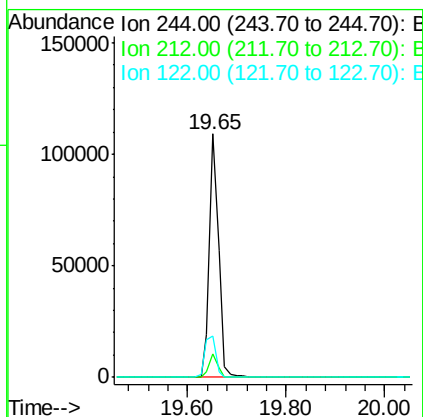
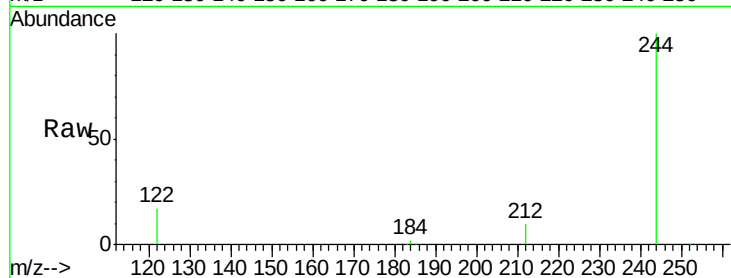




#32
 Terphenyl-d14
 Concen: 10.41 ng
 RT: 19.65 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: BM000834.D
 Acq: 03 Apr 2015 09:30

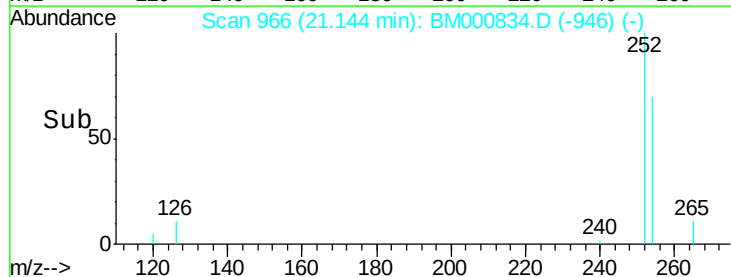
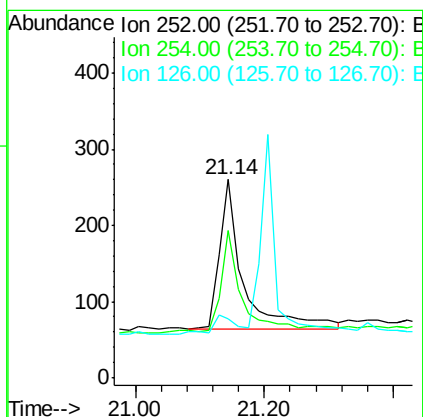
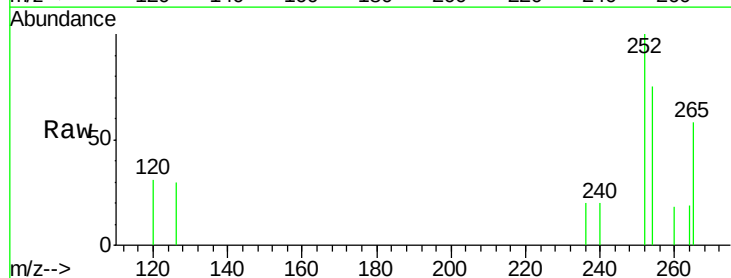
Instrument :
 BNA_M
 ClientSampleID :
 MDL-03-W

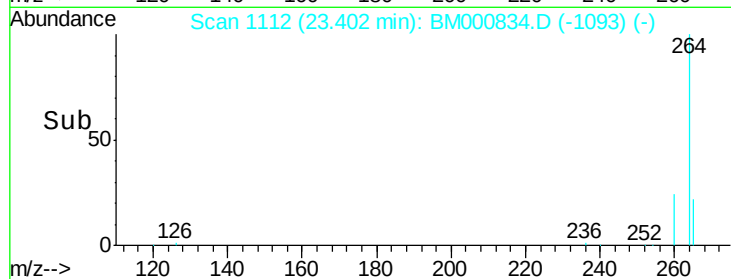
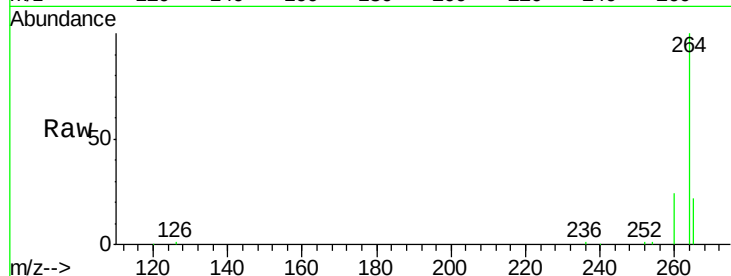
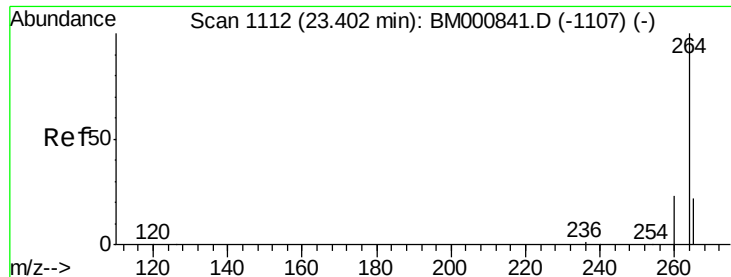
Tot Ion:244 Resp: 141486
 Ion Ratio Lower Upper
 244 100
 212 9.6 8.0 12.0
 122 17.0 14.7 22.1



#33
 3,3'-Dichlorobenzidine
 Concen: 0.24 ng
 RT: 21.14 min Scan# 966
 Delta R.T. 0.02 min
 Lab File: BM000834.D
 Acq: 03 Apr 2015 09:30

Tgt Ion:252 Resp: 509
 Ion Ratio Lower Upper
 252 100
 254 74.6 44.5 66.7#
 126 30.0 13.6 20.4#





#34

Pervlene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 1112

Delta R.T. -0.00 min

Lab File: BM000834.D

Acq: 03 Apr 2015 09:30

Instrument :

BNA_M

ClientSampleId :

MDL-03-W

Tot Ion:264 Resp: 100838

Ion Ratio Lower Upper

264 100

260 24.0 19.1 28.7

265 22.4 17.5 26.3

