

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040315\
 Data File : BM000833.D
 Acq On : 03 Apr 2015 08:54
 Operator : TP/IZ
 Sample : MDL-02-W
 Misc : MDL-WATER-0.1/0.2
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-02-W

Quant Time: Apr 03 18:45:21 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	24597	5.00	ng	0.00
11) Naphthalene-d8	10.39	136	118712	5.00	ng	0.00
19) Acenaphthene-d10	14.28	164	60370	5.00	ng	0.00
26) Phenanthrene-d10	17.00	188	132745	5.00	ng	0.00
30) Chrysene-d12	21.21	240	118802	5.00	ng	0.00
34) Perylene-d12	23.40	264	107414	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	91369	13.49	ng	0.00
5) Phenol-d6	6.77	99	158787	12.19	ng	0.00
12) Nitrobenzene-d5	8.77	82	42535	7.68	ng	0.00
20) 2,4,6-Tribromophenol	15.77	330	24811	9.70	ng	0.00
23) 2-Fluorobiphenyl	12.87	172	188198	10.12	ng	0.00
32) Terphenyl-d14	19.65	244	152728	10.68	ng	0.00

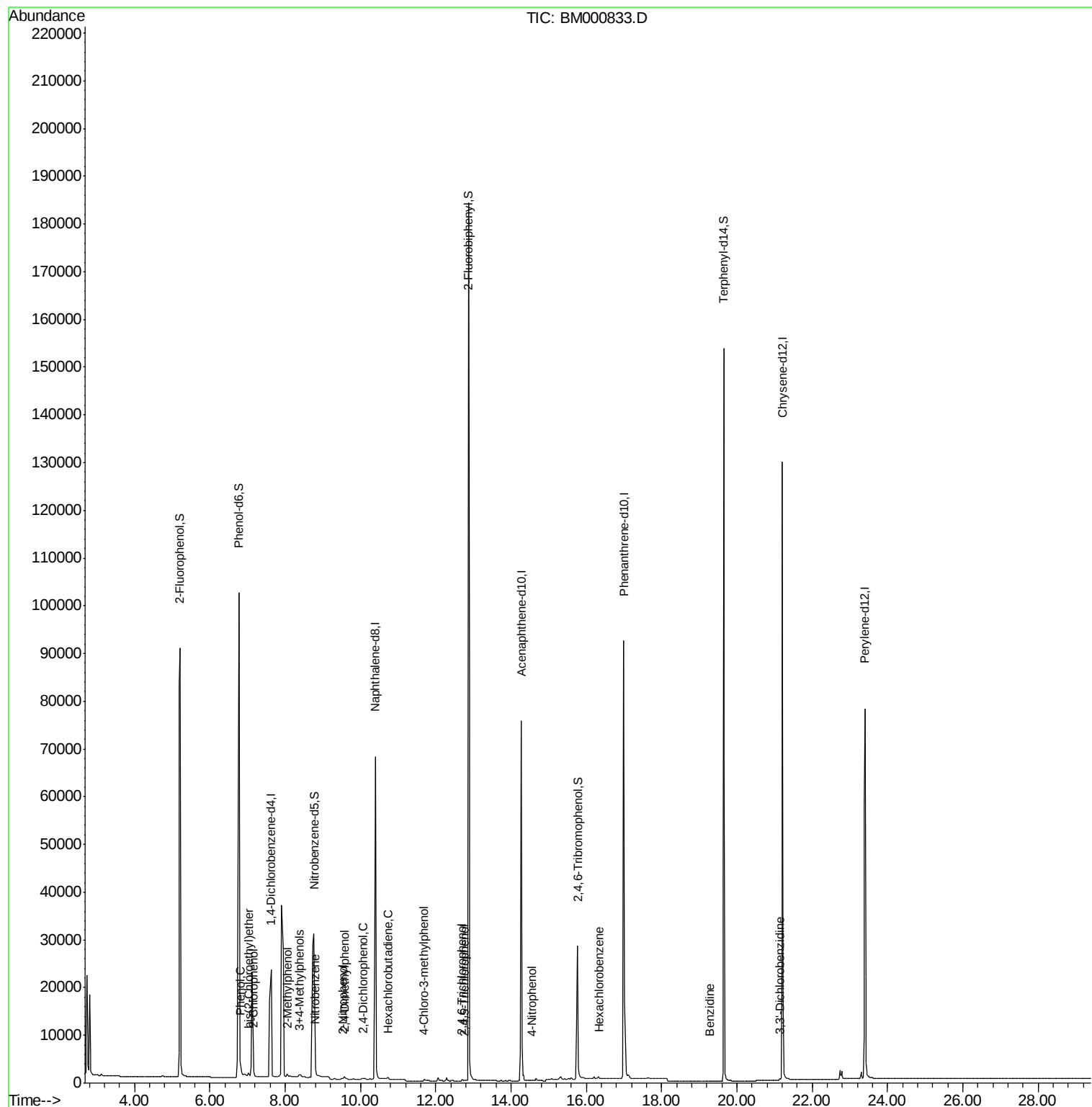
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) 2-Chlorophenol	7.17	128	718	0.28	ng	82
7) Phenol	6.81	94	891	0.09	ng	61
8) bis(2-Chloroethyl)ether	7.02	93	631m	0.28	ng	
9) 2-Methylphenol	8.06	107	543	0.22	ng	# 76
10) 3+4-Methylphenols	8.38	107	566	0.18	ng	# 73
13) Nitrobenzene	8.80	77	725	0.11	ng	# 78
14) 2-Nitrophenol	9.52	139	343	0.23	ng	# 9
15) 2,4-Dimethylphenol	9.58	122	381	0.06	ng	# 78
16) 2,4-Dichlorophenol	10.07	162	404	0.27	ng	# 80
17) Hexachlorobutadiene	10.72	225	377	0.08	ng	# 69
18) 4-Chloro-3-methylphenol	11.69	107	420	0.07	ng	# 88
21) 2,4,6-Trichlorophenol	12.70	196	187	0.17	ng	# 61
22) 2,4,5-Trichlorophenol	12.77	196	259	0.11	ng	85
25) 4-Nitrophenol	14.56	139	61m	0.26	ng	
28) Hexachlorobenzene	16.33	284	608	0.14	ng	# 68
31) Benzidine	19.29	184	620	0.25	ng	92
33) 3,3'-Dichlorobenzidine	21.14	252	582	0.25	ng	# 76

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

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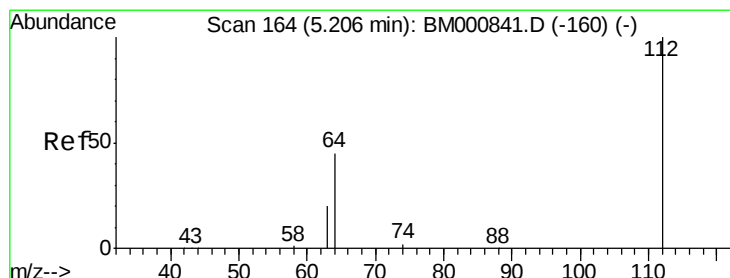
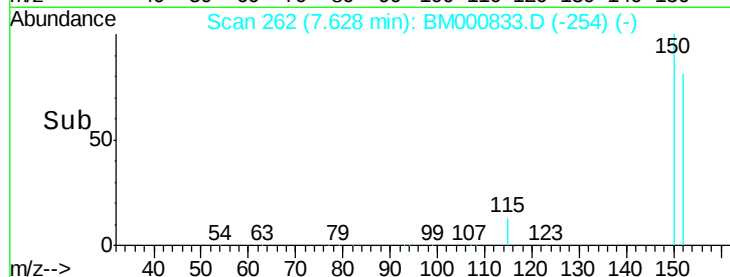
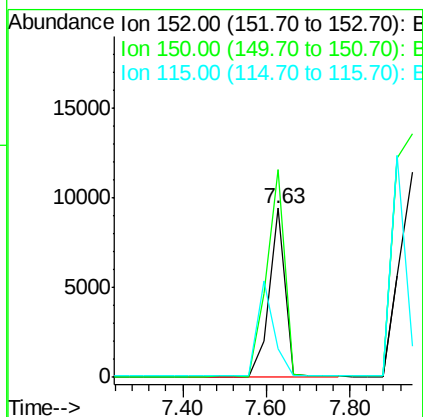
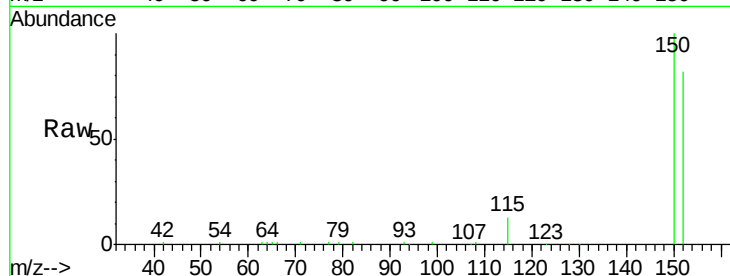


#1

1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.63 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: BM000833.D
 Acq: 03 Apr 2015 08:54

Instrument :
 BNA_M
 ClientSampleId :
 MDL-02-W

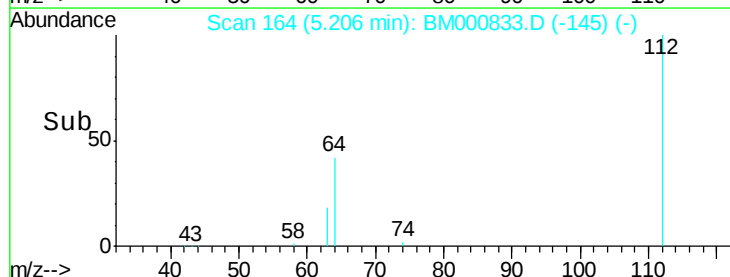
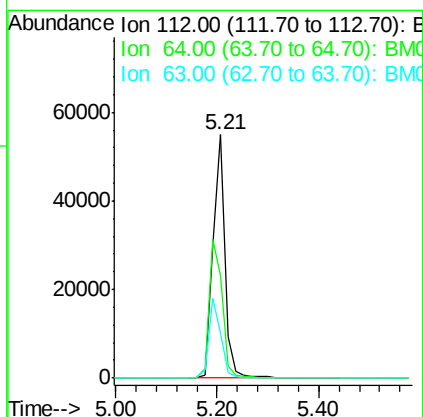
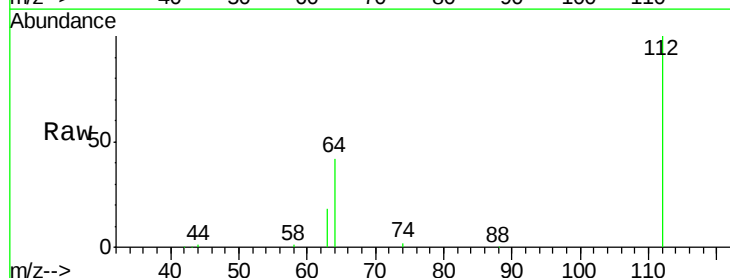
Tot Ion:152 Resp: 24597
 Ion Ratio Lower Upper
 152 100
 150 122.6 99.8 149.6
 115 16.6 13.5 20.3

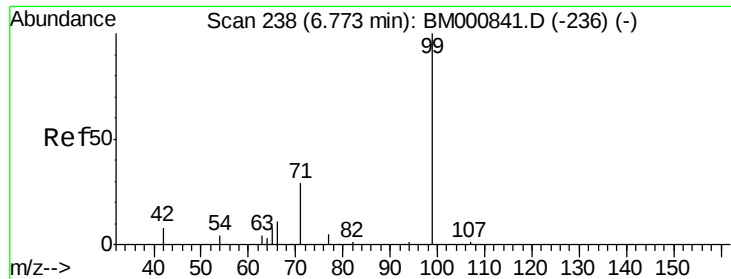


#4

2-Fluorophenol
 Concen: 13.49 ng
 RT: 5.21 min Scan# 164
 Delta R.T. -0.00 min
 Lab File: BM000833.D
 Acq: 03 Apr 2015 08:54

Tgt Ion:112 Resp: 91369
 Ion Ratio Lower Upper
 112 100
 64 42.2 40.3 60.5
 63 18.4 19.0 28.4#





#5

Phenol-d6

Concen: 12.19 ng

RT: 6.77 min Scan# 238

Delta R.T. 0.00 min

Lab File: BM000833.D

Acq: 03 Apr 2015 08:54

Instrument :

BNA_M

ClientSampleId :

MDL-02-W

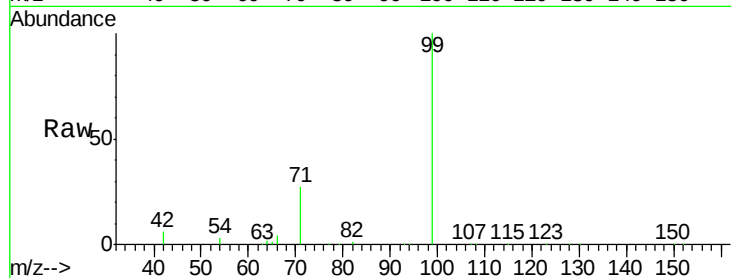
Tot Ion: 99 Resp: 158787

Ion Ratio Lower Upper

99 100

42 5.8 10.2 15.4#

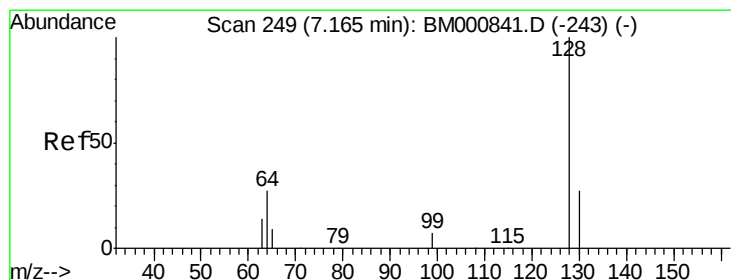
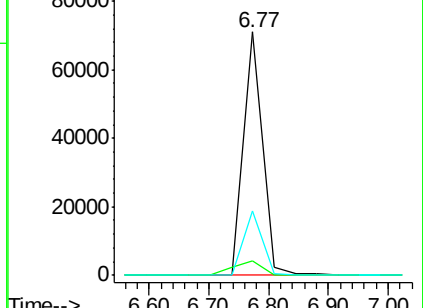
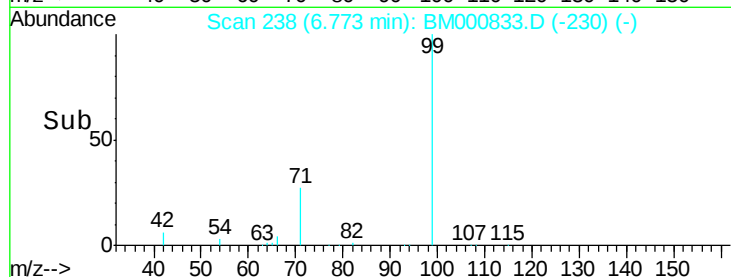
71 26.7 28.6 43.0#



Abundance Ion 99.00 (98.70 to 99.70): BM000833.D (-230) (-)

Ion 42.00 (41.70 to 42.70): BM000833.D (-230) (-)

Ion 71.00 (70.70 to 71.70): BM000833.D (-230) (-)



#6

2-Chlorophenol

Concen: 0.28 ng

RT: 7.17 min Scan# 249

Delta R.T. 0.00 min

Lab File: BM000833.D

Acq: 03 Apr 2015 08:54

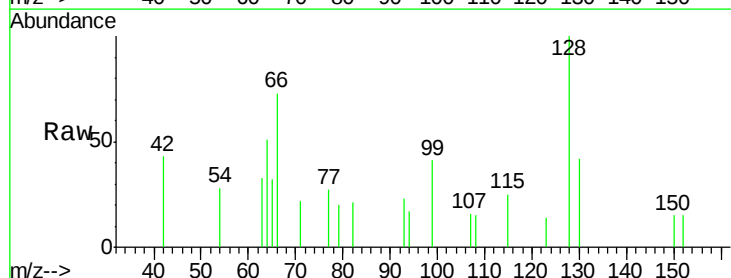
Tgt Ion: 128 Resp: 718

Ion Ratio Lower Upper

128 100

130 41.7 7.6 47.6

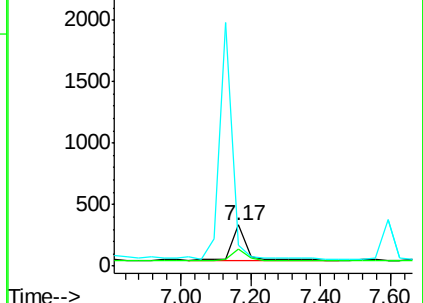
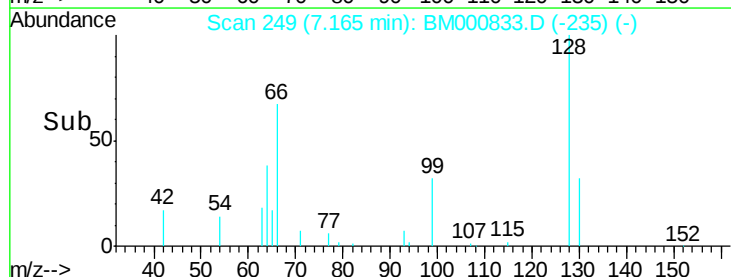
64 50.6 23.1 63.1

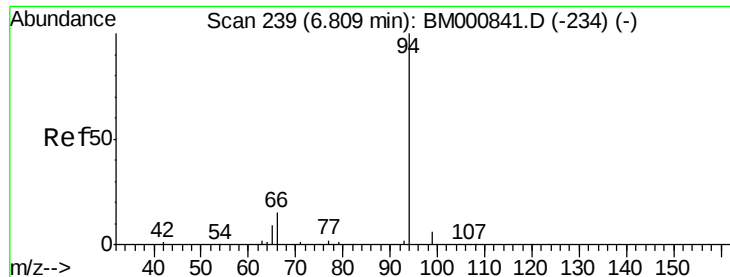


Abundance Ion 128.00 (127.70 to 128.70): BM000833.D (-235) (-)

Ion 130.00 (129.70 to 130.70): BM000833.D (-235) (-)

Ion 64.00 (63.70 to 64.70): BM000833.D (-235) (-)





#7

Phenol

Concen: 0.09 ng

RT: 6.81 min Scan# 239

Delta R.T. -0.00 min

Lab File: BM000833.D

Acq: 03 Apr 2015 08:54

Instrument :

BNA_M

ClientSampleId :

MDL-02-W

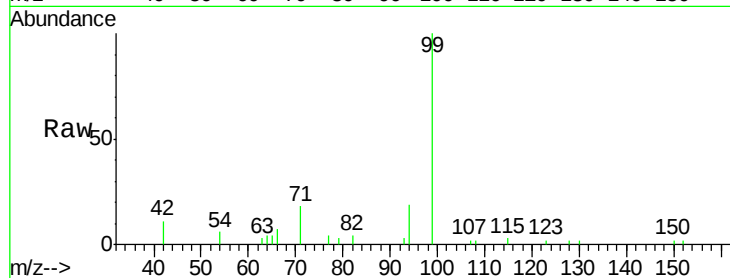
Tot Ion: 94 Resp: 891

Ion Ratio Lower Upper

94 100

65 23.5 0.0 32.0

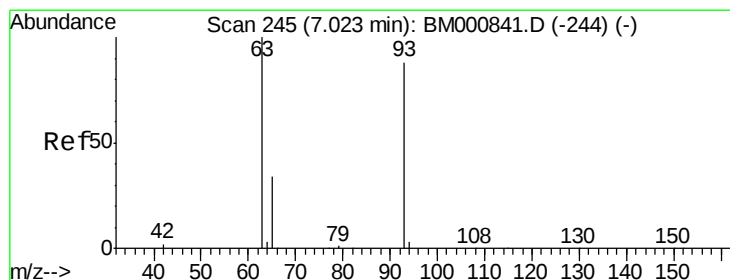
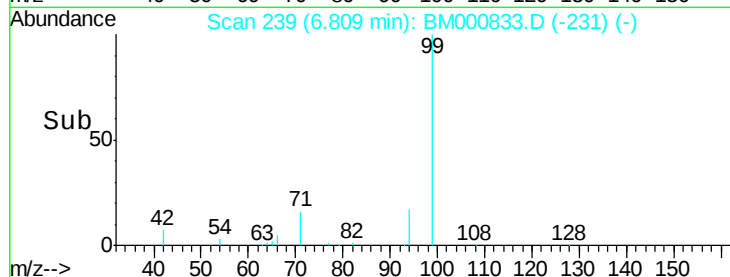
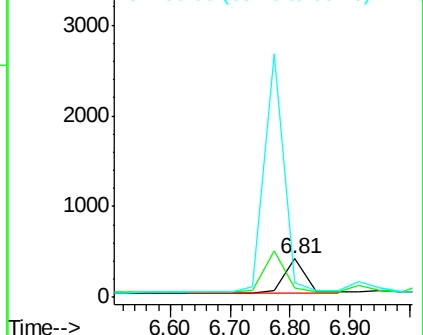
66 37.6 0.0 37.6



Abundance Ion 94.00 (93.70 to 94.70): BM000841.D (-234) (-)

Ion 65.00 (64.70 to 65.70): BM000841.D (-234) (-)

Ion 66.00 (65.70 to 66.70): BM000841.D (-234) (-)



#8

bis(2-Chloroethyl)ether

Concen: 0.28 ng m

RT: 7.02 min Scan# 245

Delta R.T. 0.00 min

Lab File: BM000833.D

Acq: 03 Apr 2015 08:54

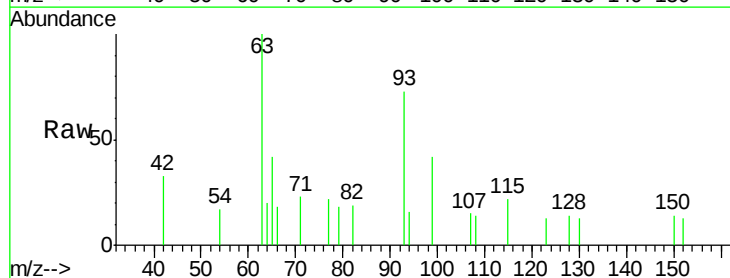
Tgt Ion: 93 Resp: 631

Ion Ratio Lower Upper

93 100

63 136.7 118.9 158.9

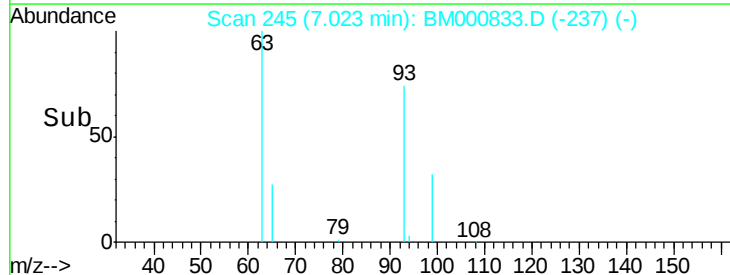
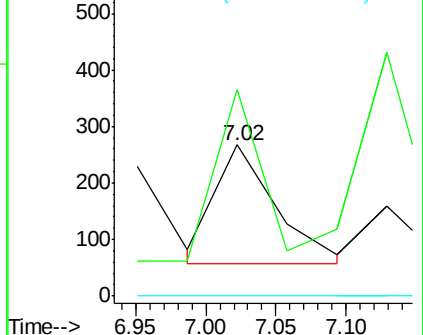
95 0.0 0.0 20.0

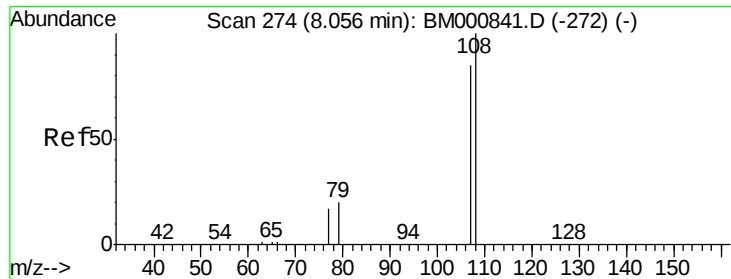


Abundance Ion 93.00 (92.70 to 93.70): BM000841.D (-244) (-)

Ion 63.00 (62.70 to 63.70): BM000841.D (-244) (-)

Ion 95.00 (94.70 to 95.70): BM000841.D (-244) (-)





#9

2-Methylphenol

Concen: 0.22 ng

RT: 8.06 min Scan# 274

Delta R.T. -0.00 min

Lab File: BM000833.D

Acq: 03 Apr 2015 08:54

Instrument :

BNA_M

ClientSampleId :

MDL-02-W

Tot Ion:107 Resp: 543

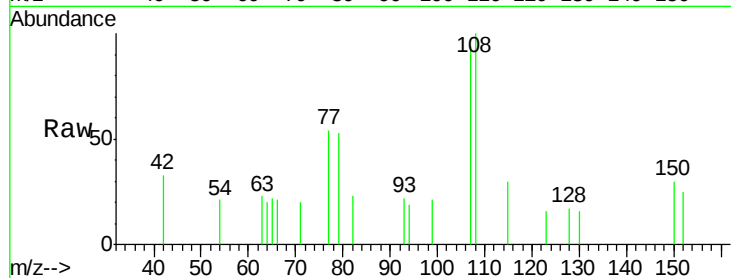
Ion Ratio Lower Upper

107 100

108 106.6 92.0 138.0

77 57.9 20.6 31.0#

79 56.0 22.9 34.3#

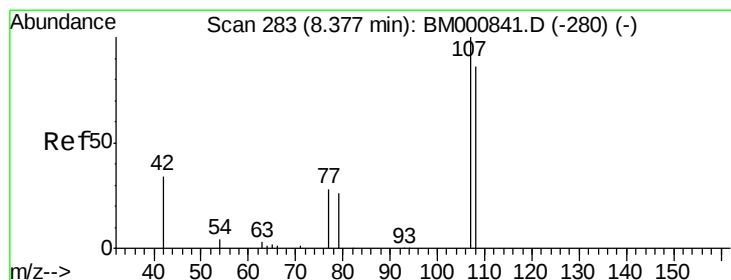
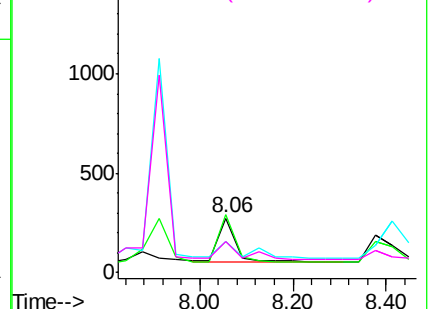
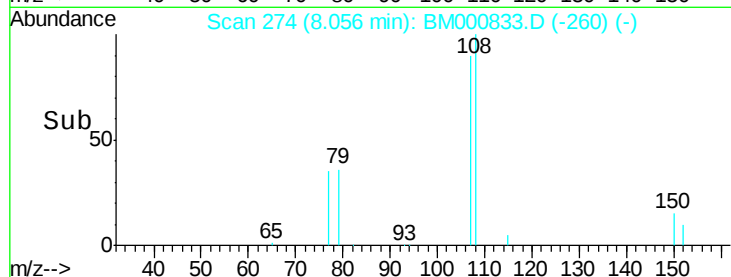


Abundance Ion 107.00 (106.70 to 107.70): E

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: BM000833.D

Acq: 03 Apr 2015 08:54

Tgt Ion:107 Resp: 566

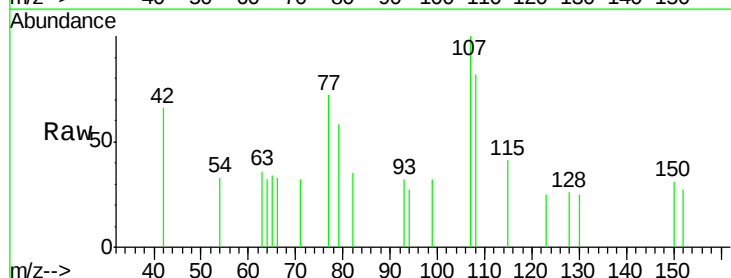
Ion Ratio Lower Upper

107 100

108 81.6 62.6 102.6

77 71.6 12.8 52.8#

79 58.4 10.3 50.3#

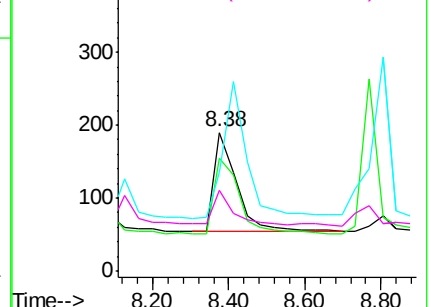
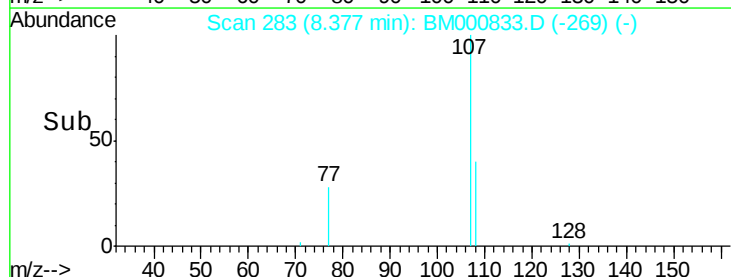


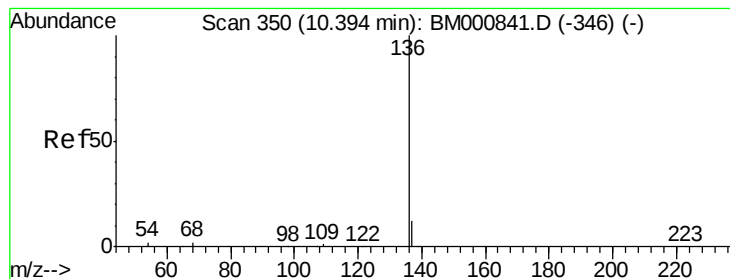
Abundance Ion 107.00 (106.70 to 107.70): E

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: BM000833.D

Acq: 03 Apr 2015 08:54

Instrument :

BNA_M

ClientSampleId :

MDL-02-W

Tot Ion:136 Resp: 118712

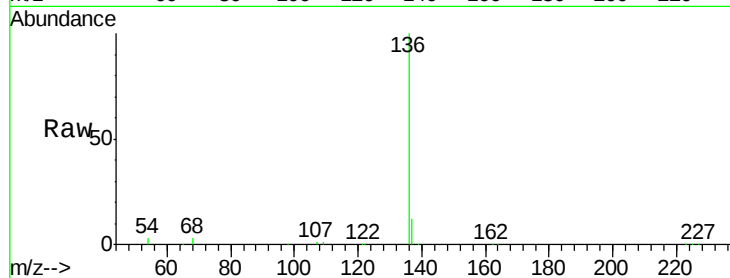
Ion Ratio Lower Upper

136 100

137 11.6 9.1 13.7

54 2.6 2.2 3.4

68 2.6 2.2 3.2

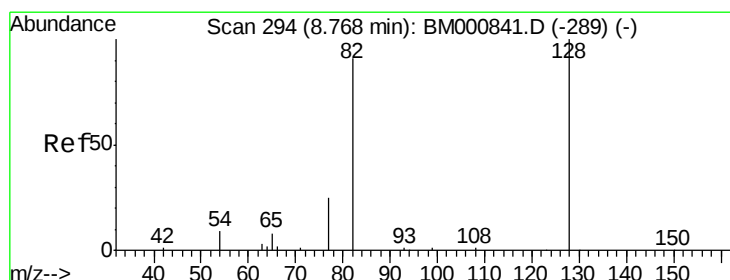
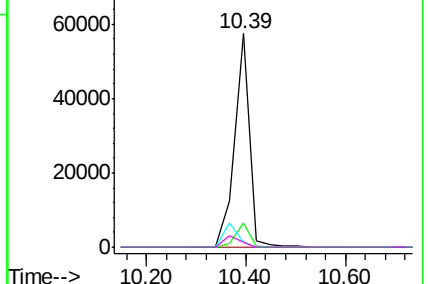
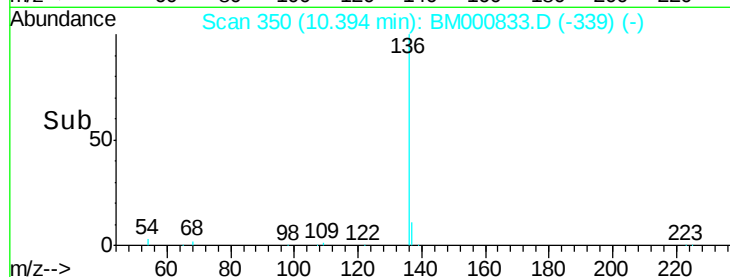


Abundance Ion 136.00 (135.70 to 136.70): E

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: 7.68 ng

RT: 8.77 min Scan# 294

Delta R.T. -0.00 min

Lab File: BM000833.D

Acq: 03 Apr 2015 08:54

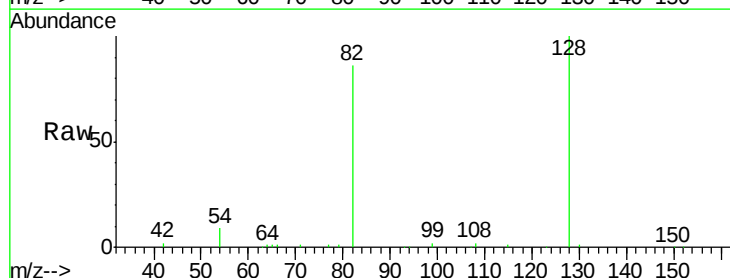
Tgt Ion: 82 Resp: 42535

Ion Ratio Lower Upper

82 100

128 116.9 72.5 108.7#

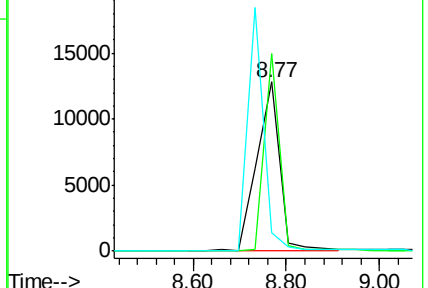
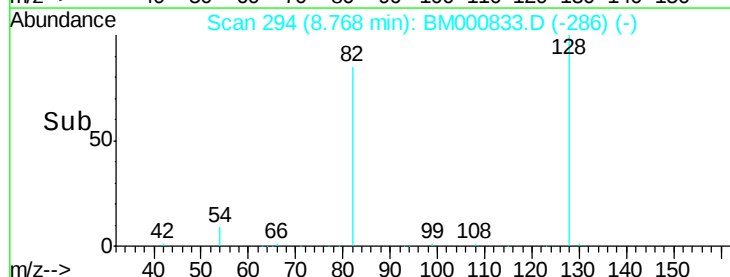
54 10.9 11.8 17.8#

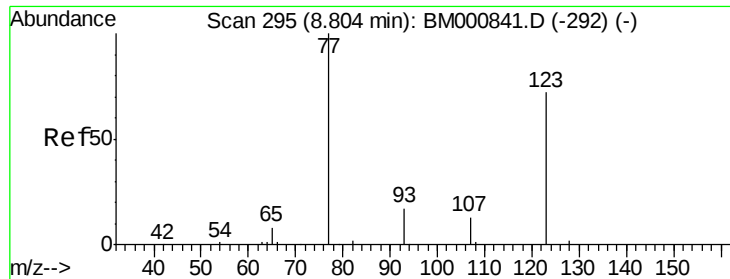


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM

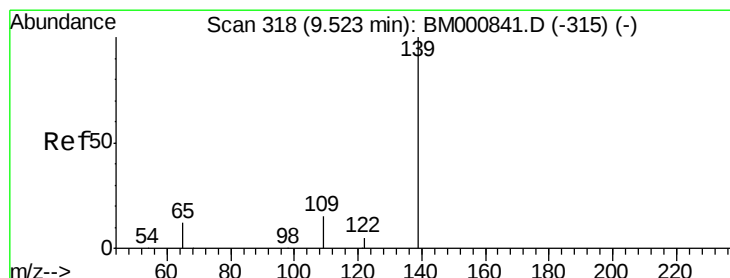
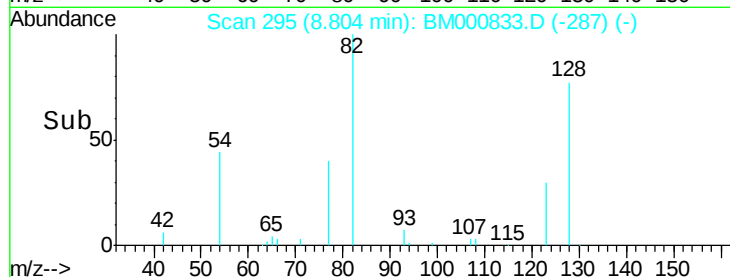
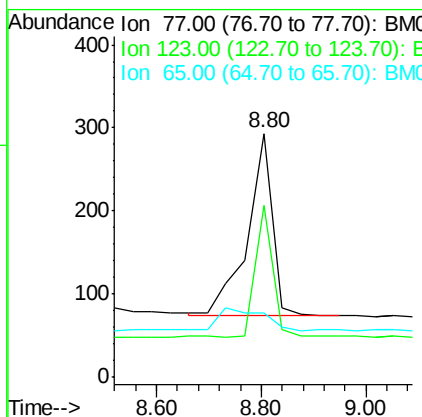
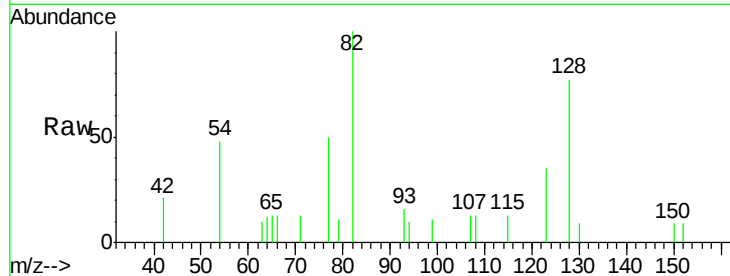




#13
Nitrobenzene
Concen: 0.11 ng
RT: 8.80 min Scan# 295
Delta R.T. -0.00 min
Lab File: BM000833.D
Acq: 03 Apr 2015 08:54

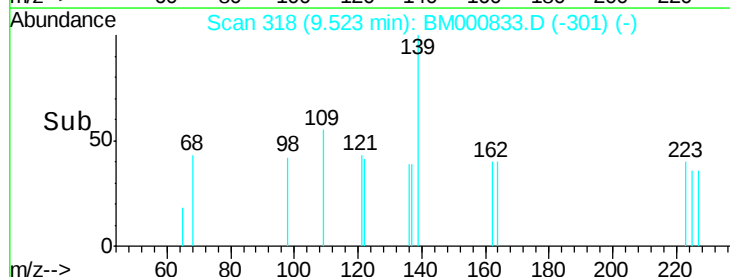
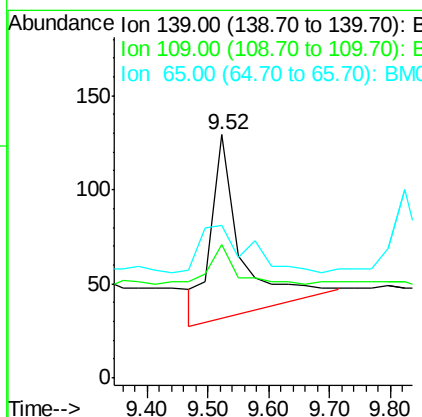
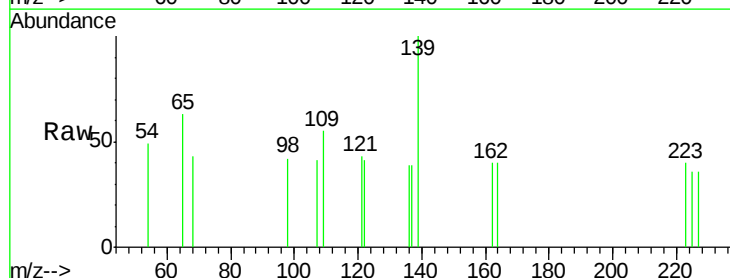
Instrument :
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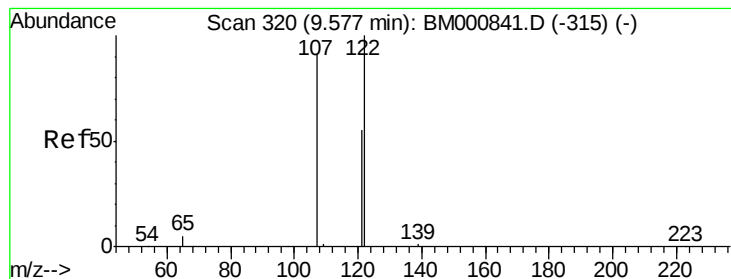
Tot Ion: 77 Resp: 725
Ion Ratio Lower Upper
77 100
123 70.6 45.8 68.6#
65 26.6 8.2 12.4#



#14
2-Nitrophenol
Concen: 0.23 ng
RT: 9.52 min Scan# 318
Delta R.T. 0.00 min
Lab File: BM000833.D
Acq: 03 Apr 2015 08:54

Tgt Ion: 139 Resp: 343
Ion Ratio Lower Upper
139 100
109 55.0 15.0 22.6#
65 62.8 14.2 21.4#





#15

2,4-Dimethylphenol

Concen: 0.06 ng

RT: 9.58 min Scan# 320

Delta R.T. -0.00 min

Lab File: BM000833.D

Acq: 03 Apr 2015 08:54

Instrument :

BNA_M

ClientSampleId :

MDL-02-W

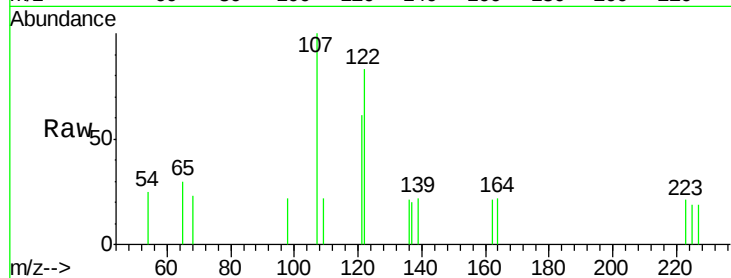
Tot Ion:122 Resp: 381

Ion Ratio Lower Upper

122 100

107 120.2 78.2 117.4#

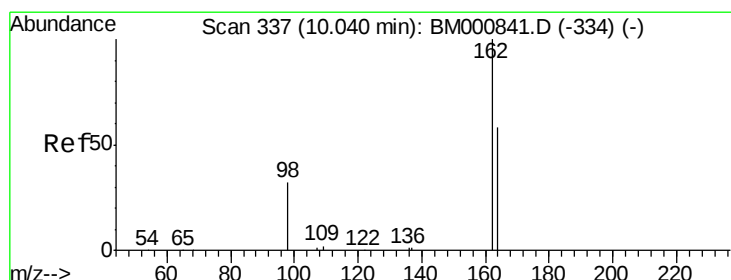
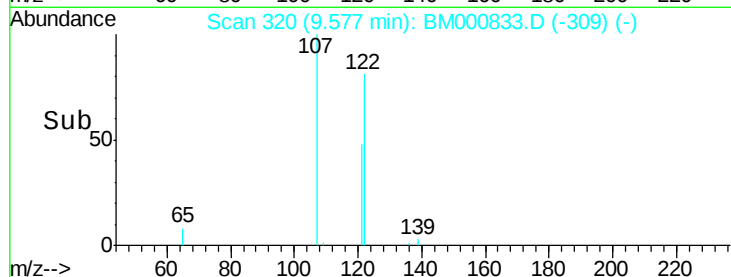
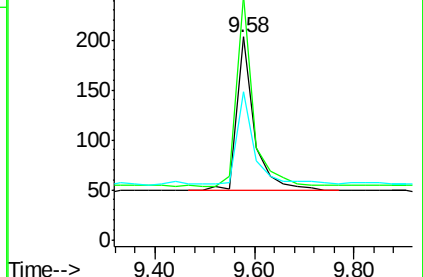
121 72.9 45.4 68.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#16

2,4-Dichlorophenol

Concen: 0.27 ng

RT: 10.07 min Scan# 338

Delta R.T. 0.03 min

Lab File: BM000833.D

Acq: 03 Apr 2015 08:54

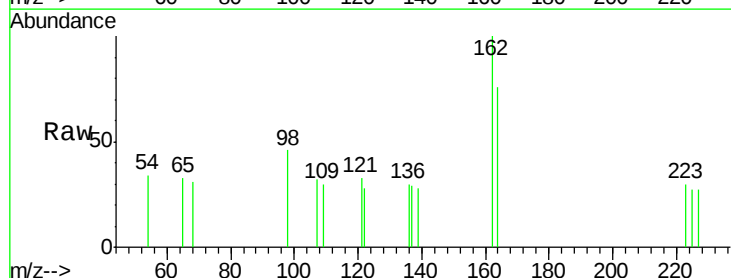
Tgt Ion:162 Resp: 404

Ion Ratio Lower Upper

162 100

164 76.3 37.1 77.1

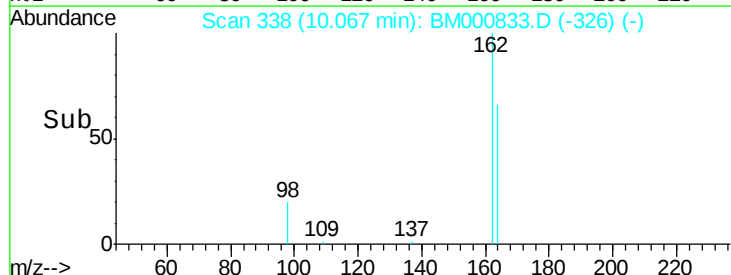
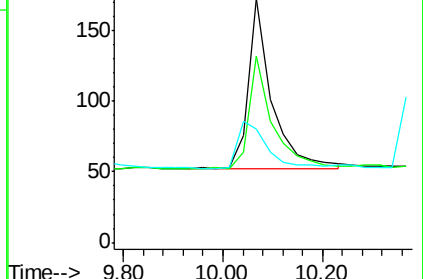
98 46.2 19.5 59.5

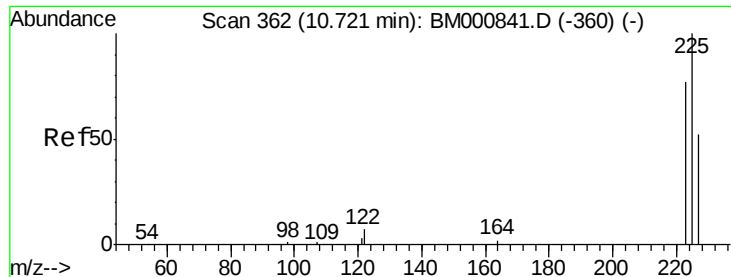


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM

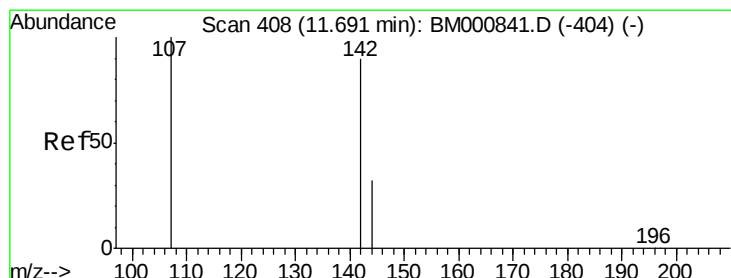
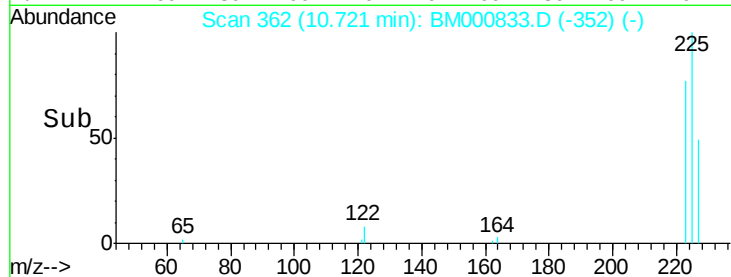
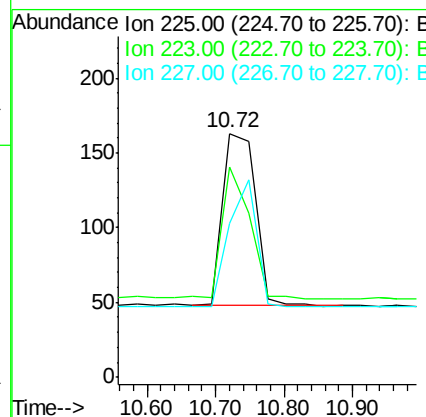
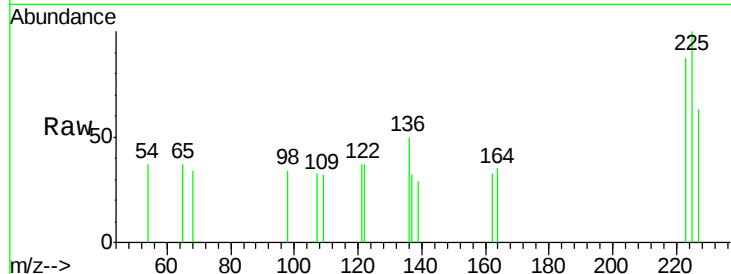




#17
Hexachlorobutadiene
Concen: 0.08 ng
RT: 10.72 min Scan# 362
Delta R.T. -0.03 min
Lab File: BM000833.D
Acq: 03 Apr 2015 08:54

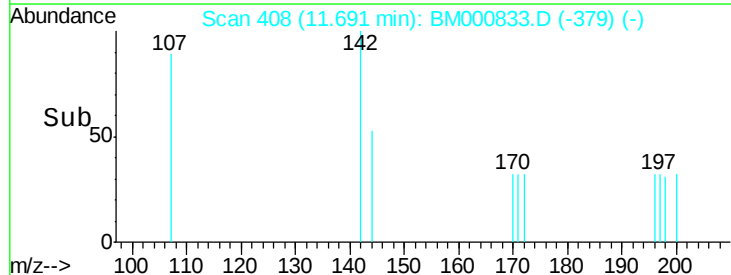
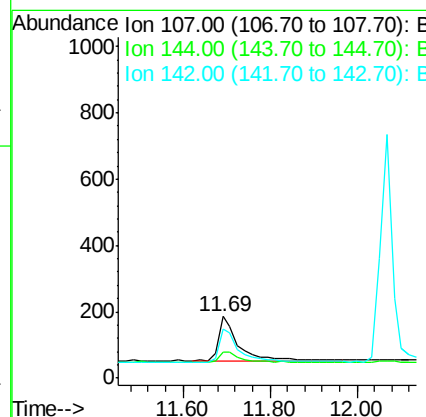
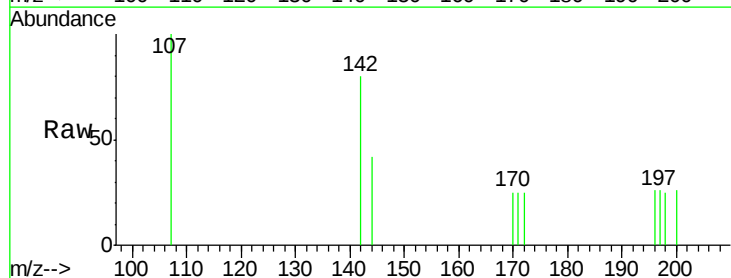
Instrument :
BNA_M
ClientSampleId :
MDL-02-W

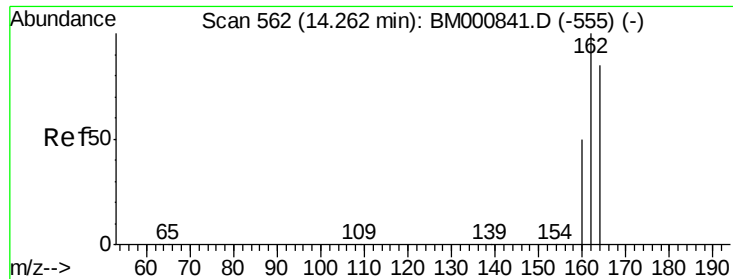
Tot Ion:225 Resp: 377
Ion Ratio Lower Upper
225 100
223 86.5 40.8 61.2#
227 63.2 62.8 94.2



#18
4-Chloro-3-methylphenol
Concen: 0.07 ng
RT: 11.69 min Scan# 408
Delta R.T. -0.00 min
Lab File: BM000833.D
Acq: 03 Apr 2015 08:54

Tgt Ion:107 Resp: 420
Ion Ratio Lower Upper
107 100
144 42.2 25.8 38.8#
142 80.0 71.3 106.9

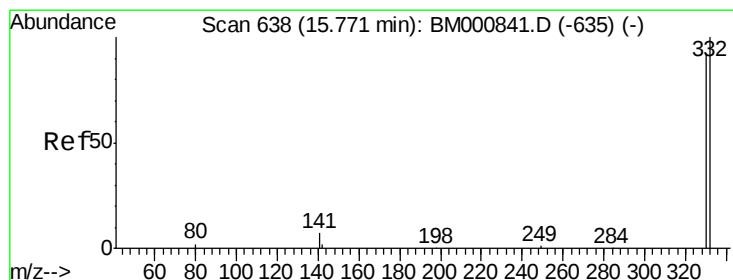
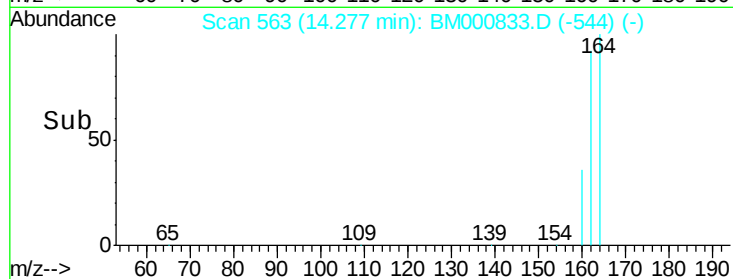
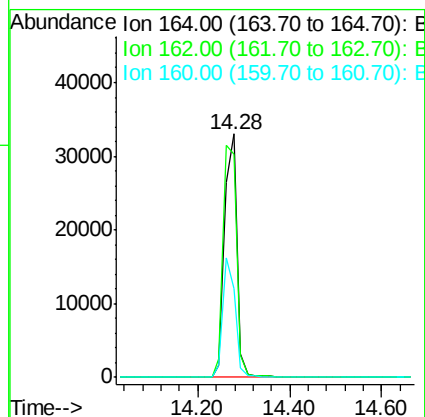
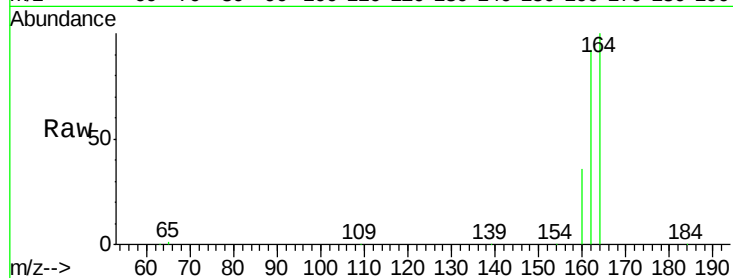




#19
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.28 min Scan# 563
Delta R.T. -0.00 min
Lab File: BM000833.D
Acq: 03 Apr 2015 08:54

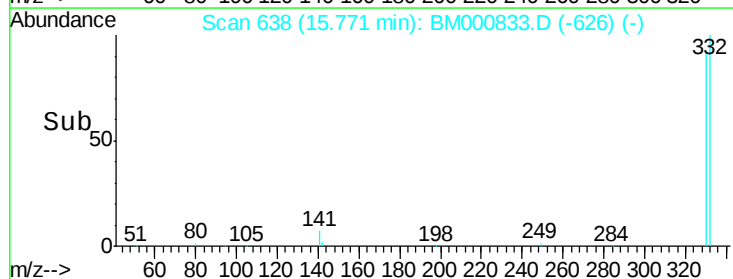
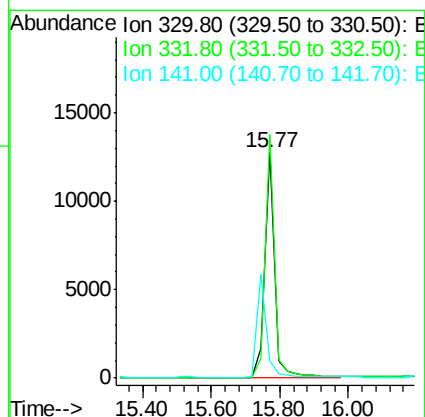
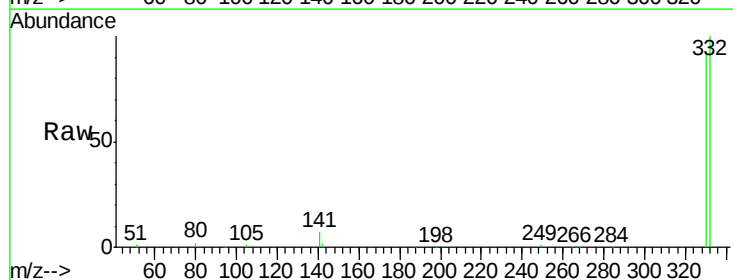
Instrument :
BNA_M
ClientSampleId :
MDL-02-W

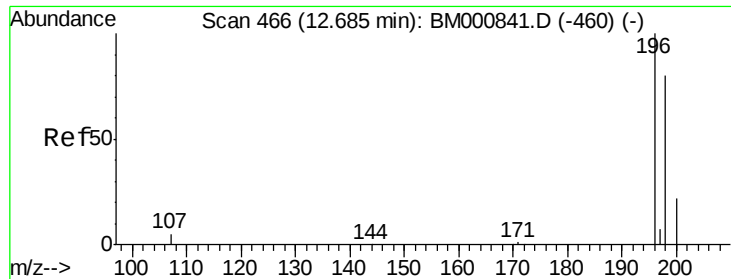
Tot Ion:164 Resp: 60370
Ion Ratio Lower Upper
164 100
162 91.6 74.2 111.2
160 36.3 30.4 45.6



#20
2,4,6-Tribromophenol
Concen: 9.70 ng
RT: 15.77 min Scan# 638
Delta R.T. 0.00 min
Lab File: BM000833.D
Acq: 03 Apr 2015 08:54

Tgt Ion:330 Resp: 24811
Ion Ratio Lower Upper
330 100
332 103.0 78.7 118.1
141 0.0 0.0 0.0





#21

2,4,6-Trichlorophenol

Concen: 0.17 ng

RT: 12.70 min Scan# 467

Delta R.T. 0.02 min

Lab File: BM000833.D

Acq: 03 Apr 2015 08:54

Instrument :

BNA_M

ClientSampleId :

MDL-02-W

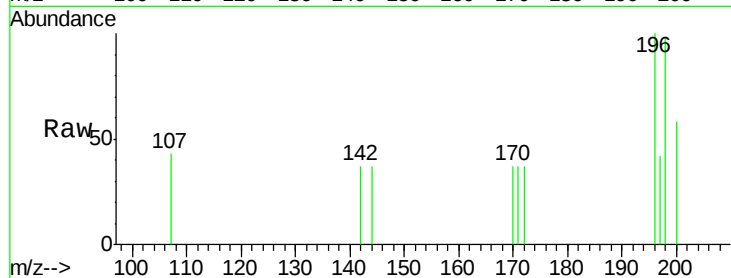
Tot Ion:196 Resp: 187

Ion Ratio Lower Upper

196 100

198 98.5 59.5 89.3#

200 58.0 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

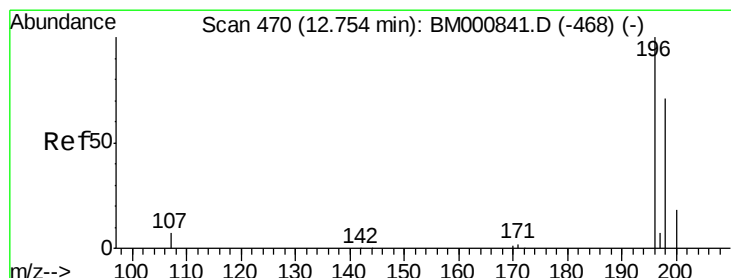
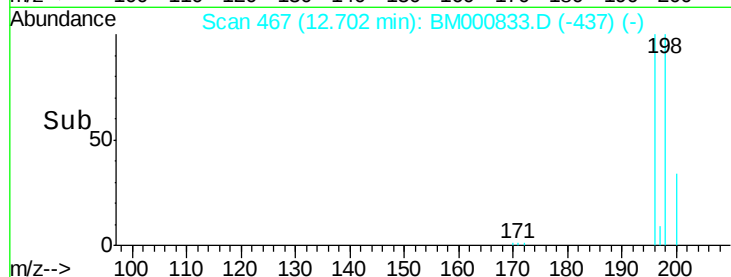
12.70

100

50

0

Time-->



#22

2,4,5-Trichlorophenol

Concen: 0.11 ng

RT: 12.77 min Scan# 471

Delta R.T. 0.02 min

Lab File: BM000833.D

Acq: 03 Apr 2015 08:54

Tgt Ion:196 Resp: 259

Ion Ratio Lower Upper

196 100

198 85.0 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

200

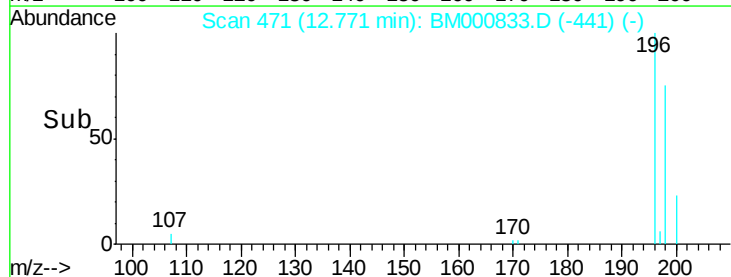
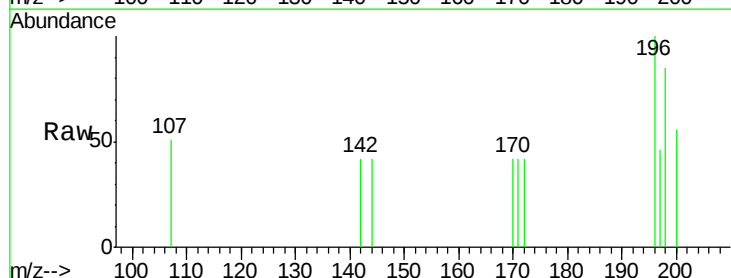
150

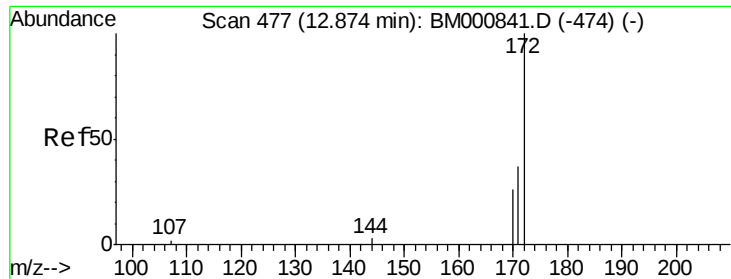
100

50

0

Time-->

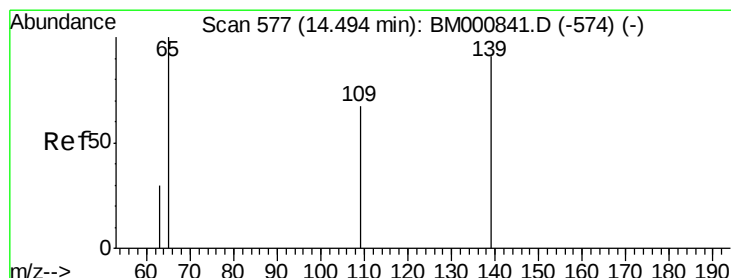
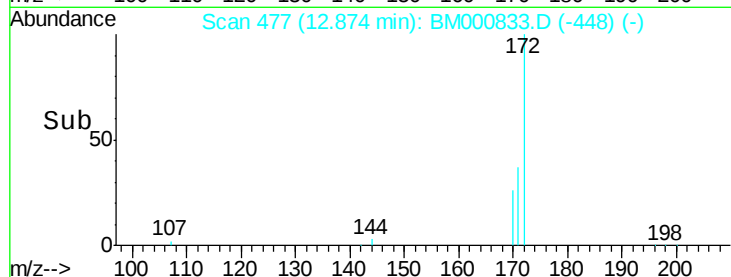
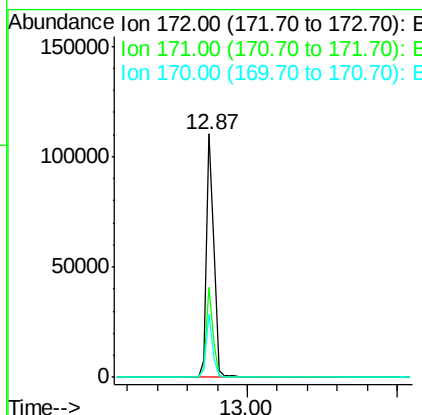
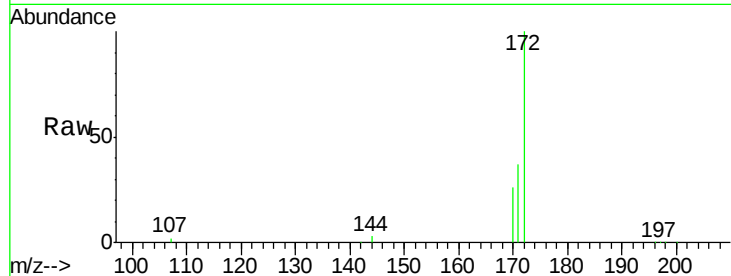




#23
2-Fluorobiphenyl
Concen: 10.12 ng
RT: 12.87 min Scan# 477
Delta R.T. -0.00 min
Lab File: BM000833.D
Acq: 03 Apr 2015 08:54

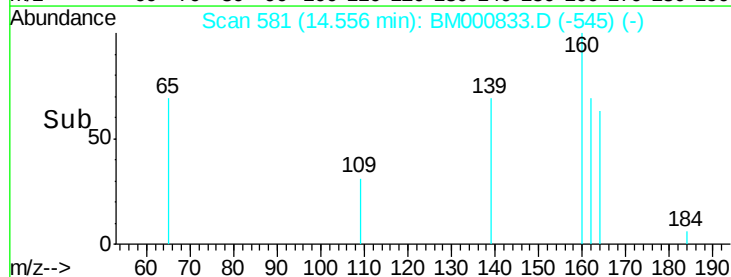
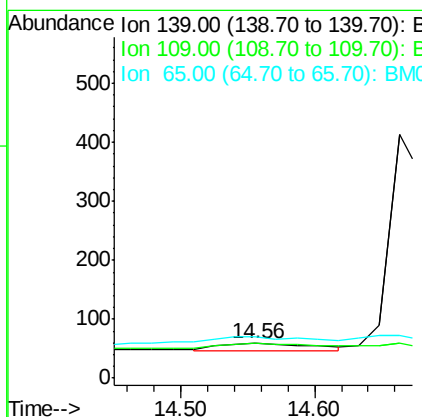
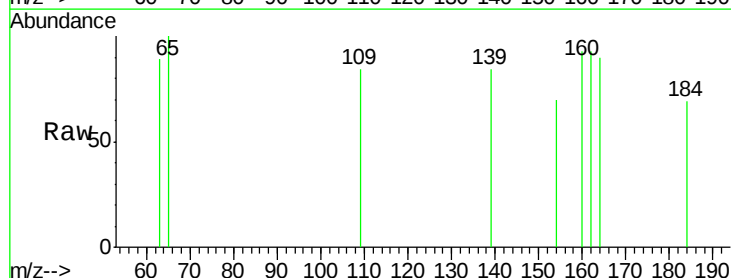
Instrument :
BNA_M
ClientSampleId :
MDL-02-W

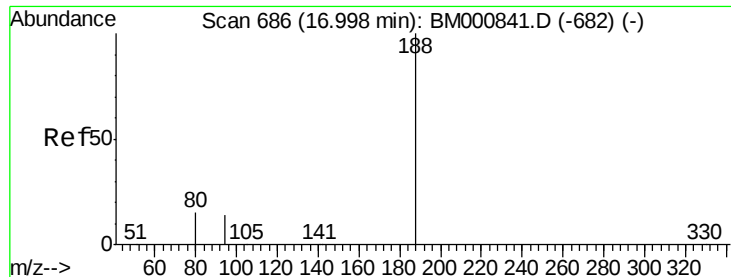
Tot Ion:172 Resp: 188198
Ion Ratio Lower Upper
172 100
171 36.8 30.6 46.0
170 25.9 22.2 33.2



#25
4-Nitrophenol
Concen: 0.26 ng m
RT: 14.56 min Scan# 581
Delta R.T. 0.06 min
Lab File: BM000833.D
Acq: 03 Apr 2015 08:54

Tgt Ion:139 Resp: 61
Ion Ratio Lower Upper
139 100
109 100.0 58.2 98.2#
65 118.6 90.4 130.4

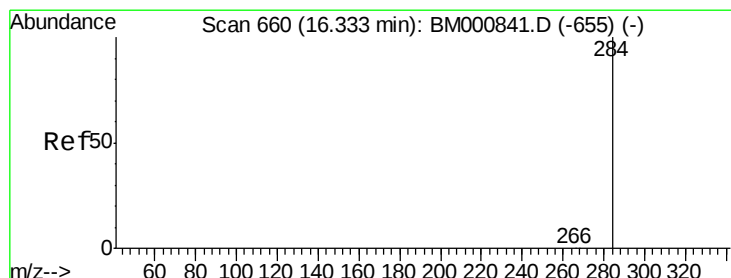
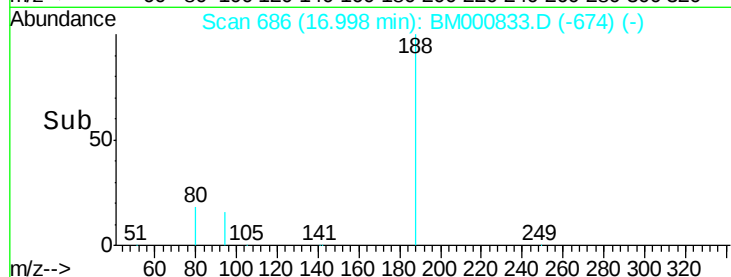
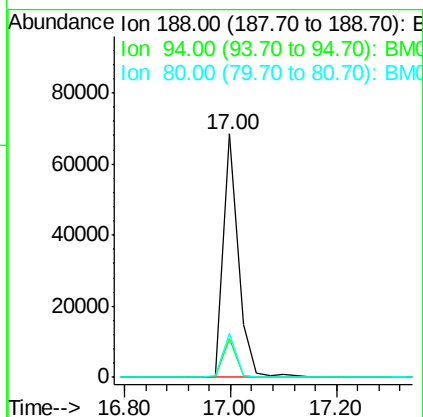
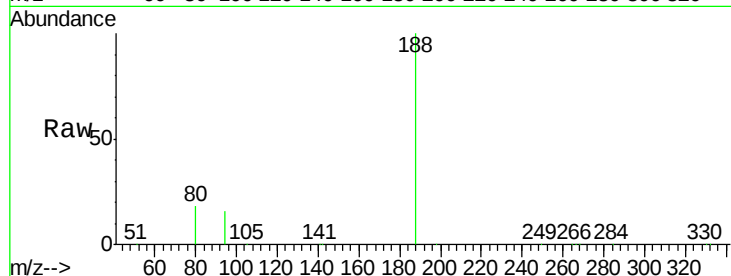




#26
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.00 min Scan# 686
Delta R.T. -0.00 min
Lab File: BM000833.D
Acq: 03 Apr 2015 08:54

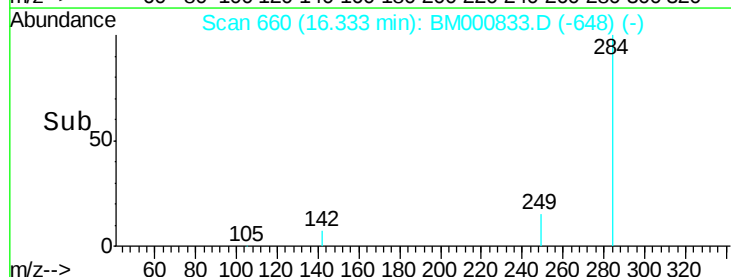
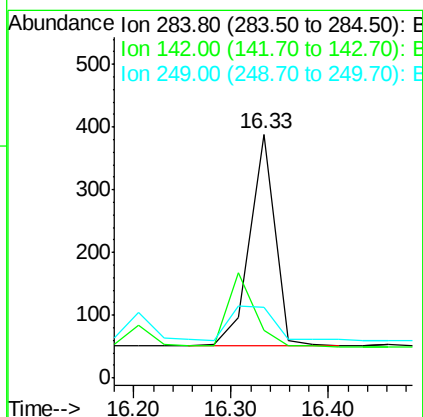
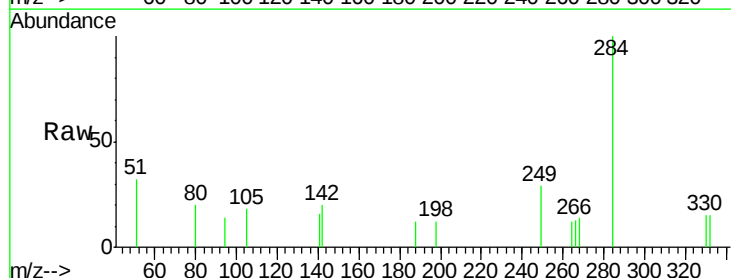
Instrument :
BNA_M
ClientSampleId :
MDL-02-W

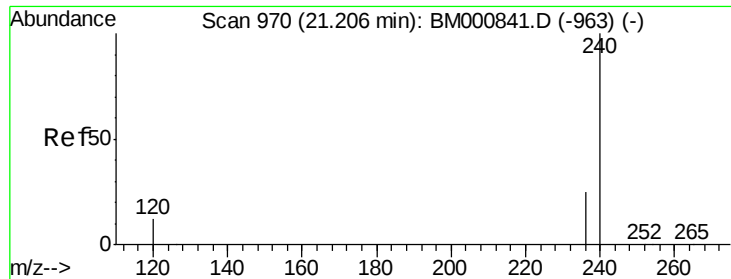
Tot Ion:188 Resp: 132745
Ion Ratio Lower Upper
188 100
94 15.8 13.0 19.6
80 18.0 14.7 22.1



#28
Hexachlorobenzene
Concen: 0.14 ng
RT: 16.33 min Scan# 660
Delta R.T. 0.00 min
Lab File: BM000833.D
Acq: 03 Apr 2015 08:54

Tgt Ion:284 Resp: 608
Ion Ratio Lower Upper
284 100
142 19.6 6.5 9.7#
249 28.9 12.6 18.8#

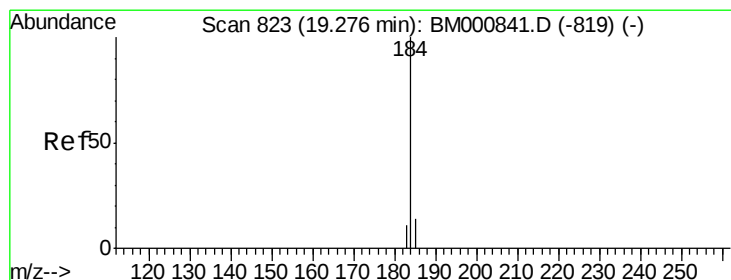
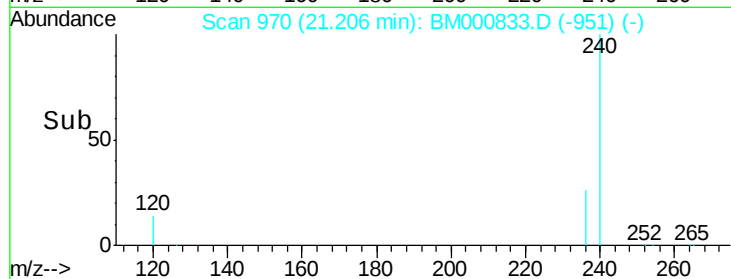
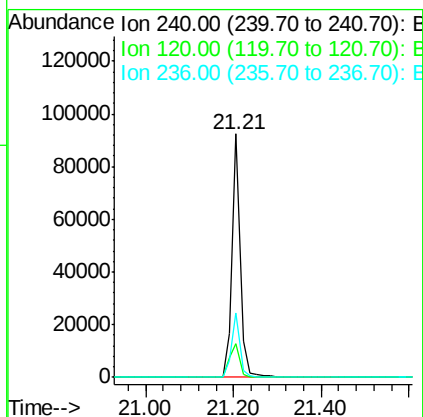
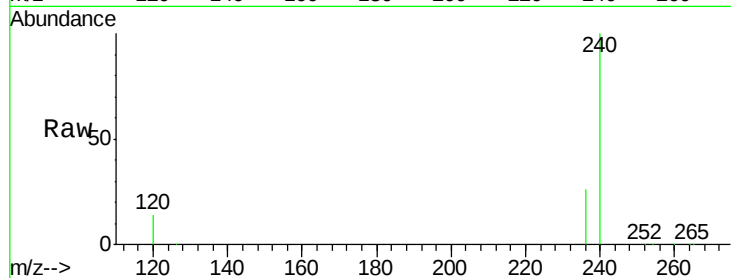




#30
Chrysene-d12
Concen: 5.00 ng
RT: 21.21 min Scan# 970
Delta R.T. -0.00 min
Lab File: BM000833.D
Acq: 03 Apr 2015 08:54

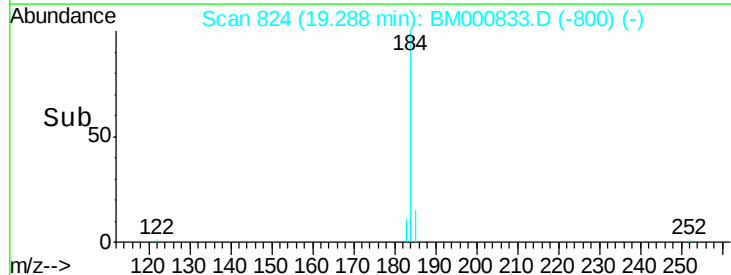
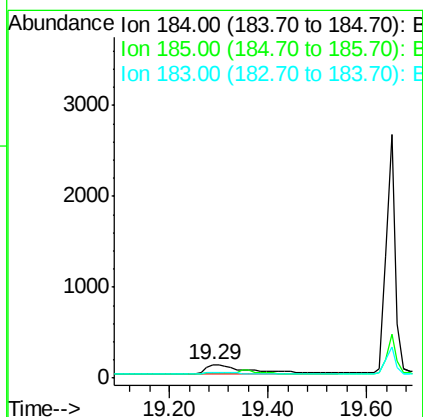
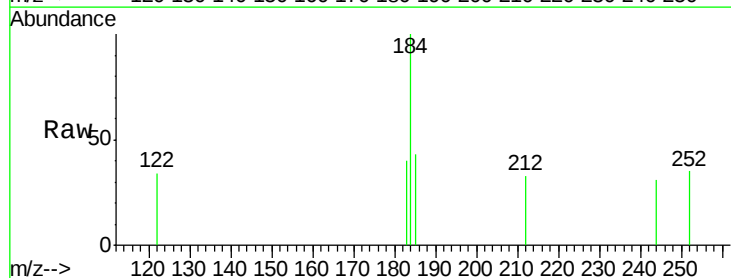
Instrument :
BNA_M
ClientSampleId :
MDL-02-W

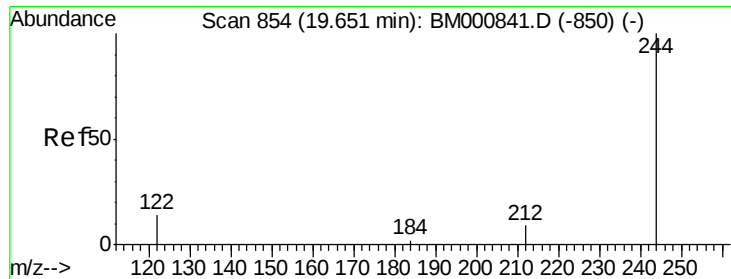
Tot Ion:240 Resp: 118802
Ion Ratio Lower Upper
240 100
120 13.8 11.3 16.9
236 26.3 21.1 31.7



#31
Benzidine
Concen: 0.25 ng
RT: 19.29 min Scan# 824
Delta R.T. -0.01 min
Lab File: BM000833.D
Acq: 03 Apr 2015 08:54

Tgt Ion:184 Resp: 620
Ion Ratio Lower Upper
184 100
185 42.7 39.1 58.7
183 40.0 36.1 54.1





#32

Terphenyl-d14

Concen: 10.68 ng

RT: 19.65 min Scan# 854

Delta R.T. -0.00 min

Lab File: BM000833.D

Acq: 03 Apr 2015 08:54

Instrument :

BNA_M

ClientSampleId :

MDL-02-W

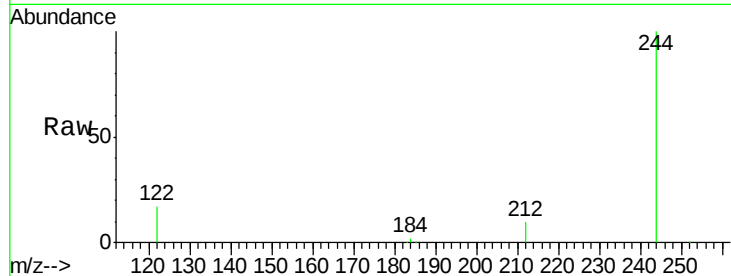
Tot Ion:244 Resp: 152728

Ion Ratio Lower Upper

244 100

212 9.6 8.0 12.0

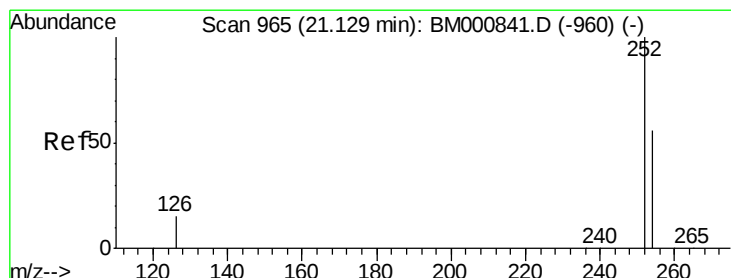
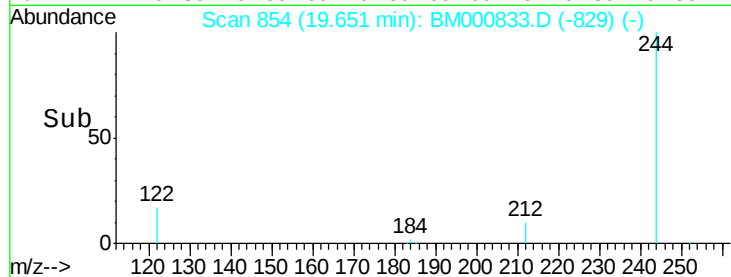
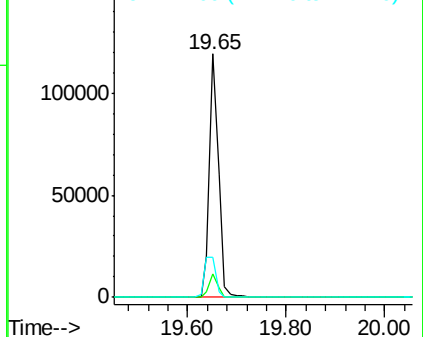
122 16.6 14.7 22.1



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: 0.25 ng

RT: 21.14 min Scan# 966

Delta R.T. 0.02 min

Lab File: BM000833.D

Acq: 03 Apr 2015 08:54

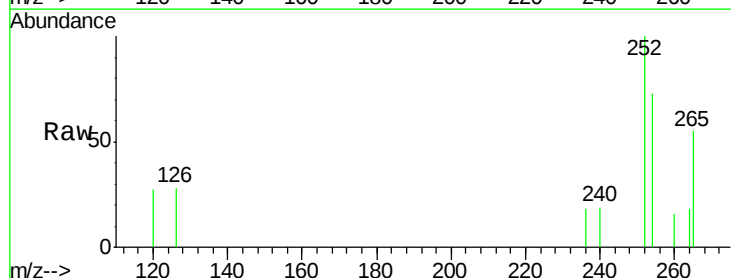
Tgt Ion:252 Resp: 582

Ion Ratio Lower Upper

252 100

254 72.6 44.5 66.7#

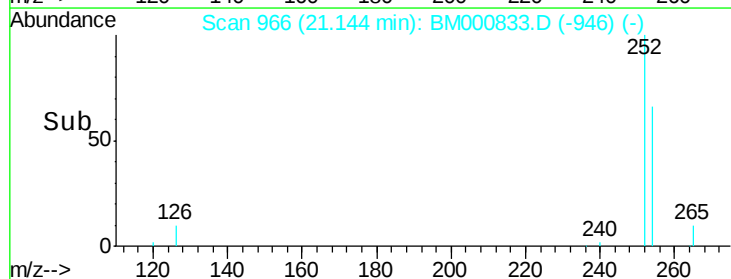
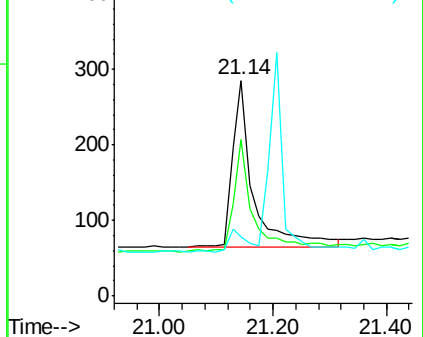
126 27.7 13.6 20.4#

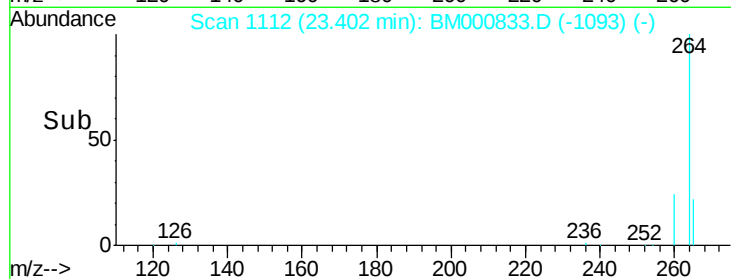
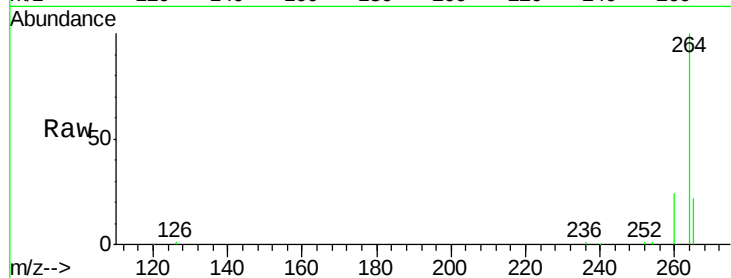
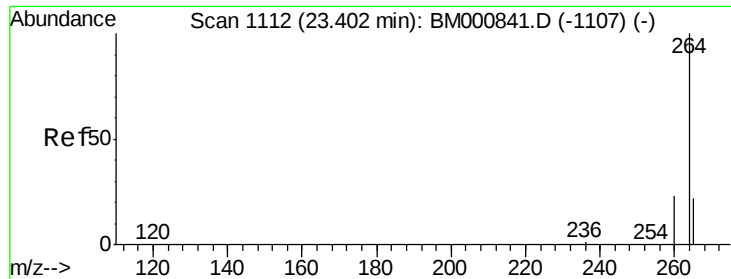


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM000833.D

Acq: 03 Apr 2015 08:54

Instrument :

BNA_M

ClientSampleId :

MDL-02-W

Tot Ion:264 Resp: 107414

Ion Ratio Lower Upper

264 100

260 23.8 19.1 28.7

265 22.3 17.5 26.3

