

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040315\
 Data File : BM000838.D
 Acq On : 03 Apr 2015 11:54
 Operator : TP/IZ
 Sample : MDL-07-W
 Misc : MDL-WATER-0.1/0.2
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-07-W

Quant Time: Apr 03 18:51:51 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	25326	5.00	ng	0.00
11) Naphthalene-d8	10.39	136	123943	5.00	ng	0.00
19) Acenaphthene-d10	14.28	164	62479	5.00	ng	0.00
26) Phenanthrene-d10	17.00	188	144067	5.00	ng	0.00
30) Chrysene-d12	21.21	240	119566	5.00	ng	0.00
34) Perylene-d12	23.40	264	110126	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	88090	12.63	ng	0.00
5) Phenol-d6	6.77	99	150720	11.26	ng	0.00
12) Nitrobenzene-d5	8.77	82	40622	7.02	ng	0.00
20) 2,4,6-Tribromophenol	15.77	330	23218	8.79	ng	0.00
23) 2-Fluorobiphenyl	12.87	172	177903	9.24	ng	0.00
32) Terphenyl-d14	19.65	244	146904	10.21	ng	0.00

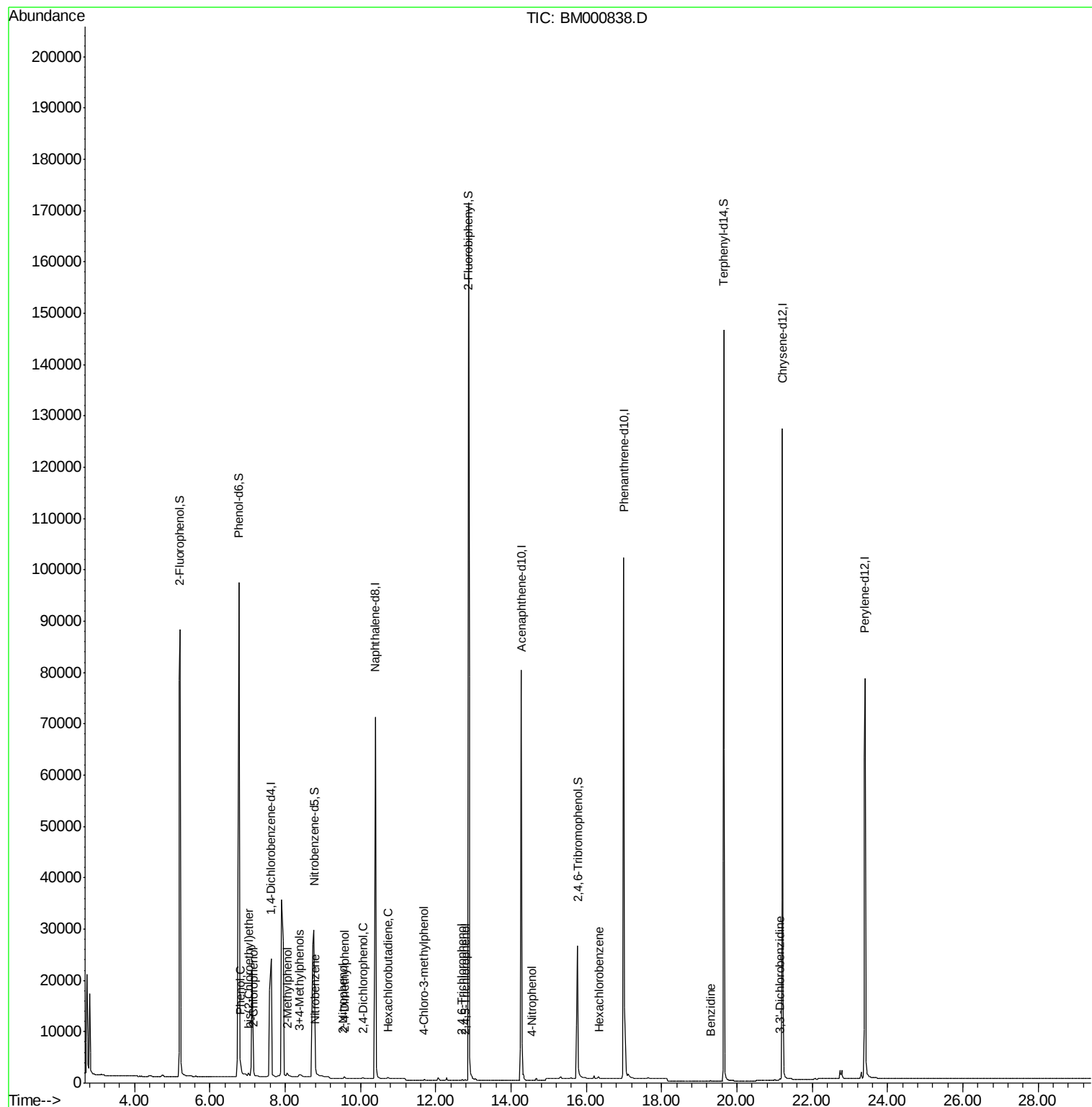
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) 2-Chlorophenol	7.17	128	690	0.27	ng	83
7) Phenol	6.81	94	821	0.08	ng	# 55
8) bis(2-Chloroethyl)ether	7.02	93	564m	0.27	ng	# 74
9) 2-Methylphenol	8.06	107	539	0.22	ng	# 70
10) 3+4-Methylphenols	8.38	107	504	0.17	ng	# 80
13) Nitrobenzene	8.80	77	671	0.10	ng	# 8
14) 2-Nitrophenol	9.52	139	199	0.19	ng	# 76
15) 2,4-Dimethylphenol	9.58	122	394	0.06	ng	# 75
16) 2,4-Dichlorophenol	10.07	162	376	0.27	ng	# 70
17) Hexachlorobutadiene	10.72	225	363	0.08	ng	# 88
18) 4-Chloro-3-methylphenol	11.69	107	392	0.06	ng	# 57
21) 2,4,6-Trichlorophenol	12.70	196	166	0.16	ng	# 65
22) 2,4,5-Trichlorophenol	12.79	196	215	0.09	ng	# 66
25) 4-Nitrophenol	14.56	139	60m	0.26	ng	# 94
28) Hexachlorobenzene	16.33	284	561	0.13	ng	# 76
31) Benzidine	19.30	184	601	0.24	ng	#
33) 3,3'-Dichlorobenzidine	21.14	252	519	0.24	ng	#

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

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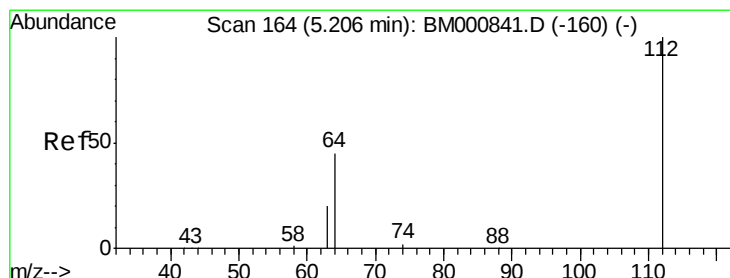
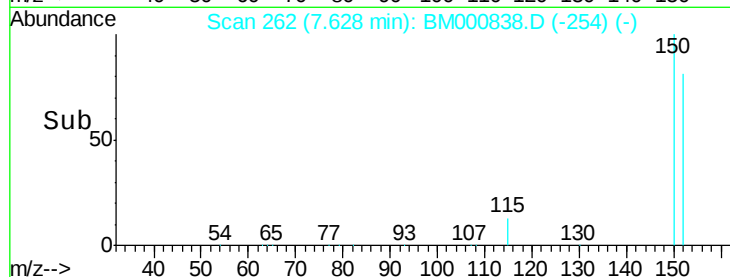
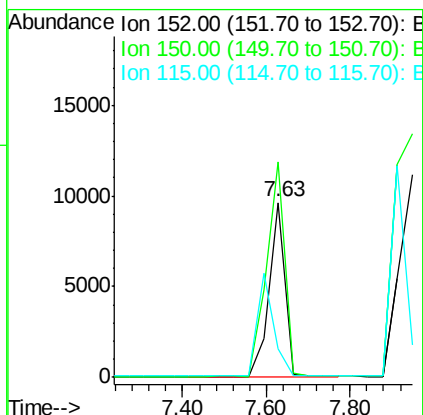
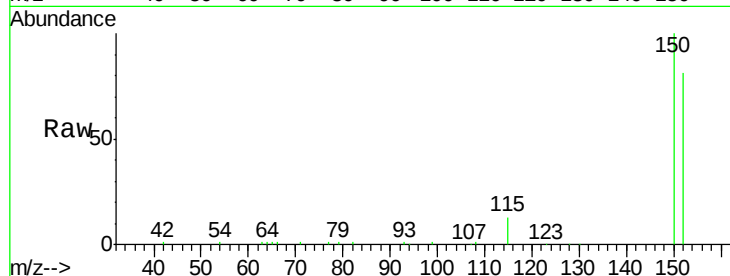


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.63 min Scan# 262
Delta R.T. -0.00 min
Lab File: BM000838.D
Acq: 03 Apr 2015 11:54

Instrument :
BNA_M
ClientSampleId :
MDL-07-W

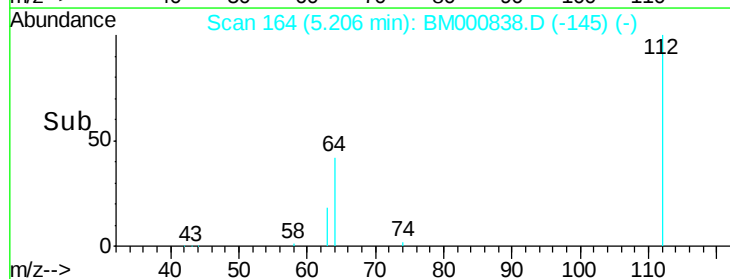
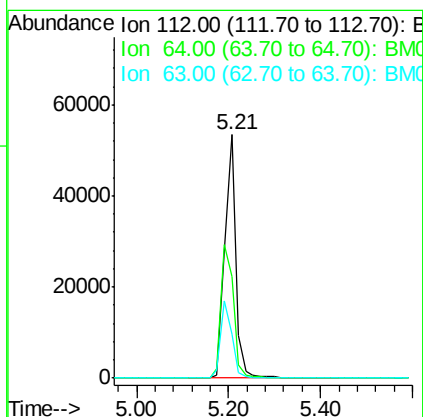
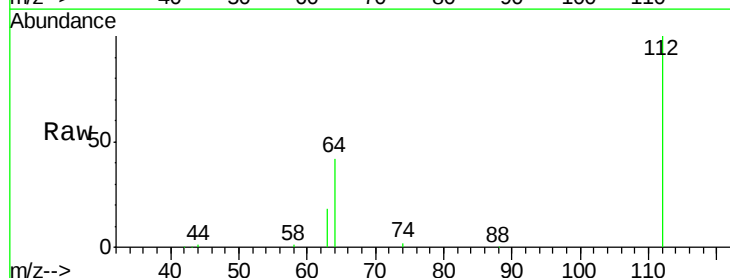
Tot Ion:152 Resp: 25326
Ion Ratio Lower Upper
152 100
150 122.8 99.8 149.6
115 16.2 13.5 20.3

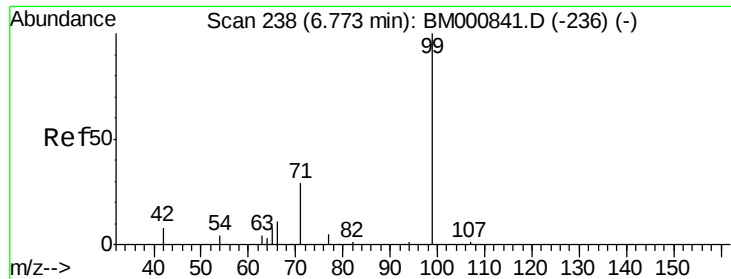


#4

2-Fluorophenol
Concen: 12.63 ng
RT: 5.21 min Scan# 164
Delta R.T. -0.00 min
Lab File: BM000838.D
Acq: 03 Apr 2015 11:54

Tgt Ion:112 Resp: 88090
Ion Ratio Lower Upper
112 100
64 41.9 40.3 60.5
63 18.3 19.0 28.4#





#5

Phenol-d6

Concen: 11.26 ng

RT: 6.77 min Scan# 238

Delta R.T. 0.00 min

Lab File: BM000838.D

Acq: 03 Apr 2015 11:54

Instrument :

BNA_M

ClientSampleId :

MDL-07-W

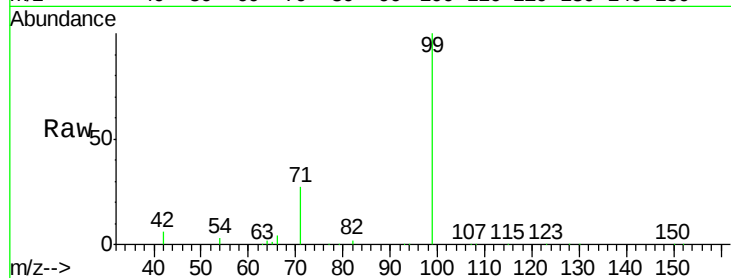
Tot Ion: 99 Resp: 150720

Ion Ratio Lower Upper

99 100

42 5.8 10.2 15.4#

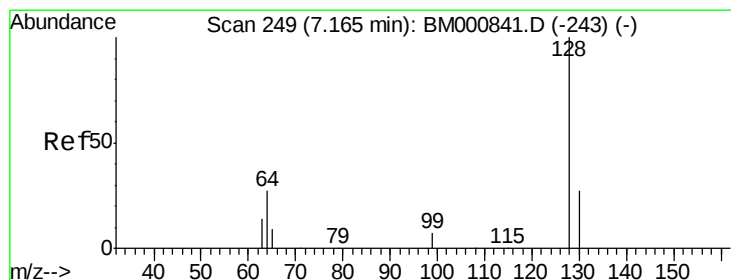
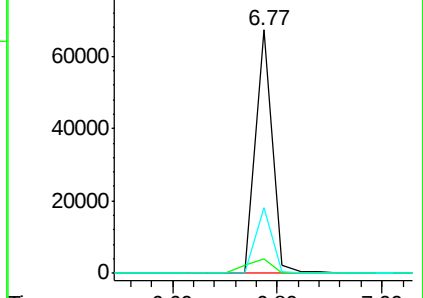
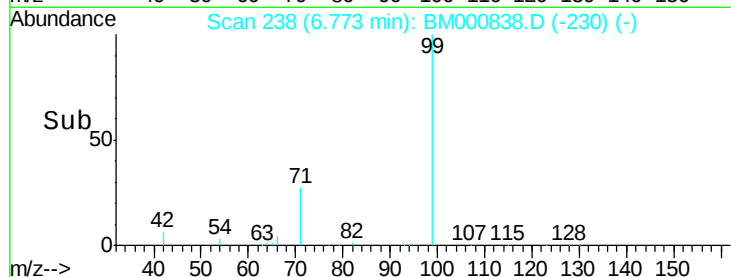
71 26.8 28.6 43.0#



Abundance Ion 99.00 (98.70 to 99.70): BM000838.D (-236) (-)

Ion 42.00 (41.70 to 42.70): BM000838.D (-236) (-)

Ion 71.00 (70.70 to 71.70): BM000838.D (-236) (-)



#6

2-Chlorophenol

Concen: 0.27 ng

RT: 7.17 min Scan# 249

Delta R.T. 0.00 min

Lab File: BM000838.D

Acq: 03 Apr 2015 11:54

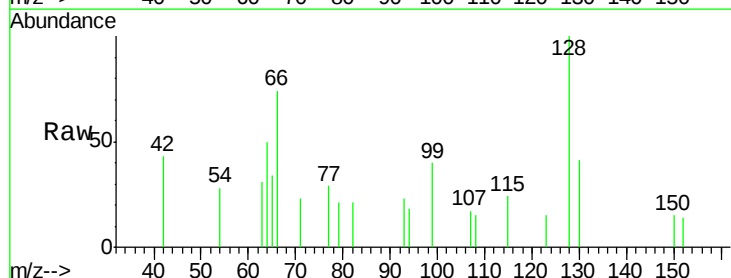
Tgt Ion: 128 Resp: 690

Ion Ratio Lower Upper

128 100

130 40.9 7.6 47.6

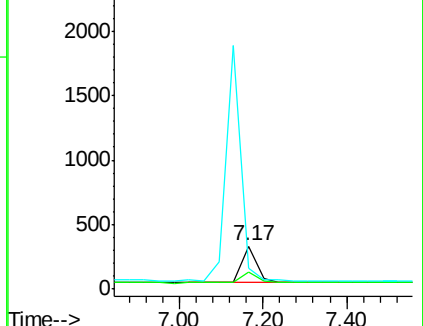
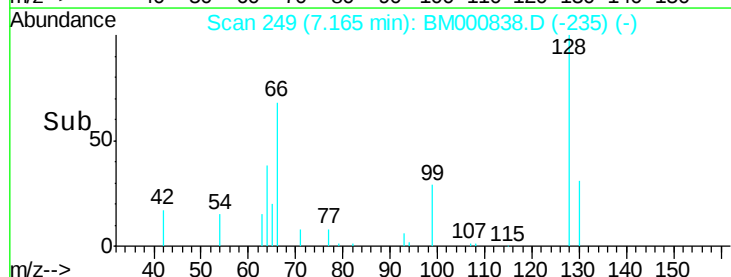
64 50.0 23.1 63.1

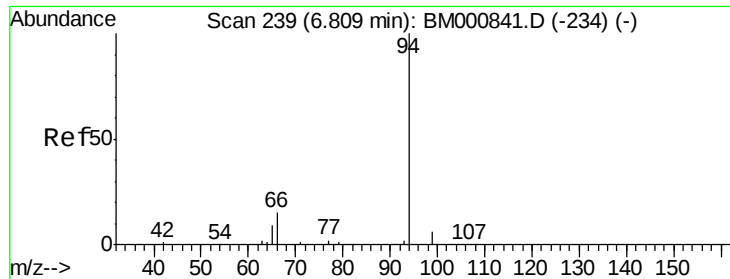


Abundance Ion 128.00 (127.70 to 128.70): BM000838.D (-243) (-)

Ion 130.00 (129.70 to 130.70): BM000838.D (-243) (-)

Ion 64.00 (63.70 to 64.70): BM000838.D (-243) (-)





#7

Phenol

Concen: 0.08 ng

RT: 6.81 min Scan# 239

Delta R.T. -0.00 min

Lab File: BM000838.D

Acq: 03 Apr 2015 11:54

Instrument :

BNA_M

ClientSampleId :

MDL-07-W

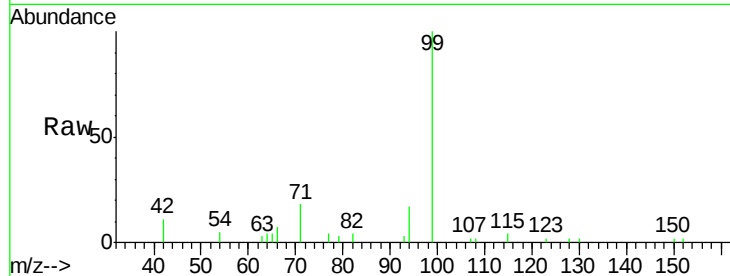
Tot Ion: 94 Resp: 821

Ion Ratio Lower Upper

94 100

65 24.9 0.0 32.0

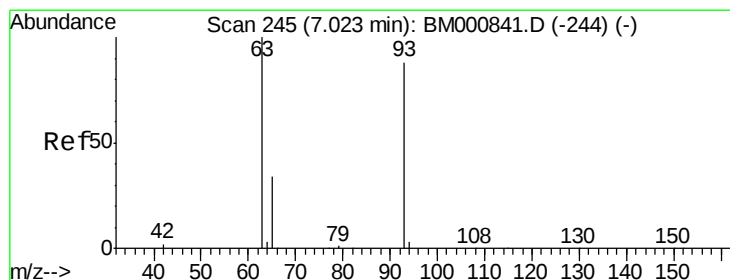
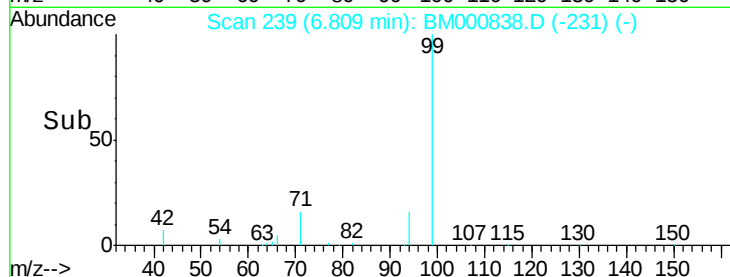
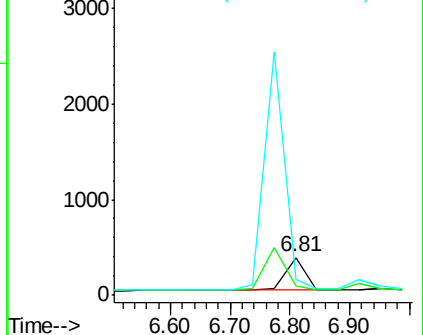
66 40.7 0.0 37.6#



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: 0.27 ng m

RT: 7.02 min Scan# 245

Delta R.T. 0.00 min

Lab File: BM000838.D

Acq: 03 Apr 2015 11:54

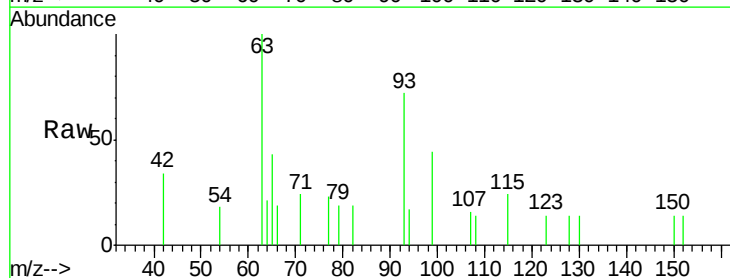
Tgt Ion: 93 Resp: 564

Ion Ratio Lower Upper

93 100

63 139.8 118.9 158.9

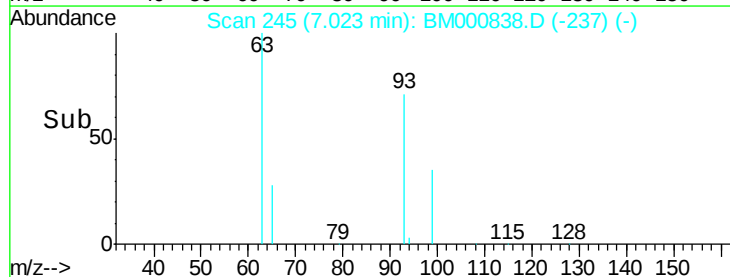
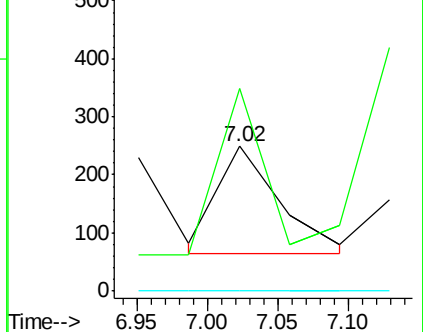
95 0.0 0.0 20.0

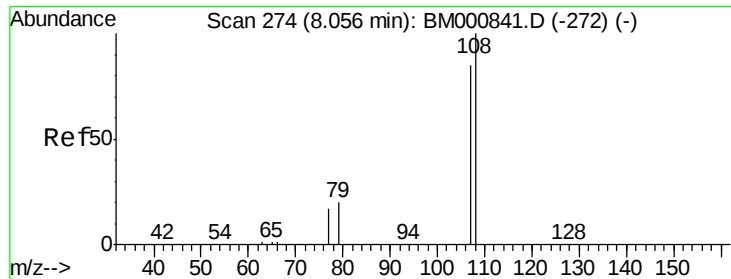


Abundance Ion 93.00 (92.70 to 93.70): BM000841.D (-244) (-)

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: BM000838.D

Acq: 03 Apr 2015 11:54

Instrument :

BNA_M

ClientSampleId :

MDL-07-W

Tot Ion:107 Resp: 539

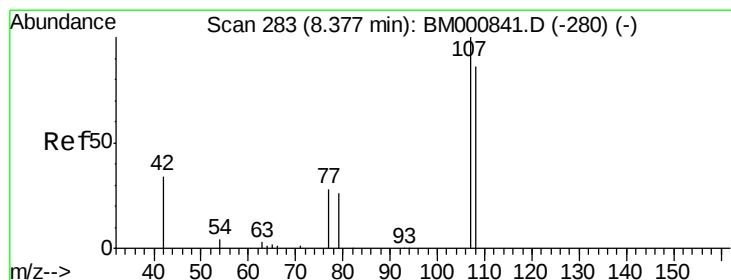
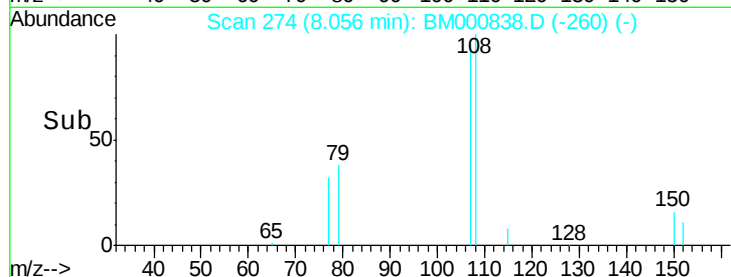
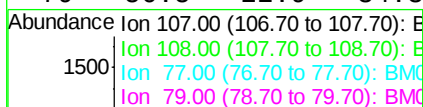
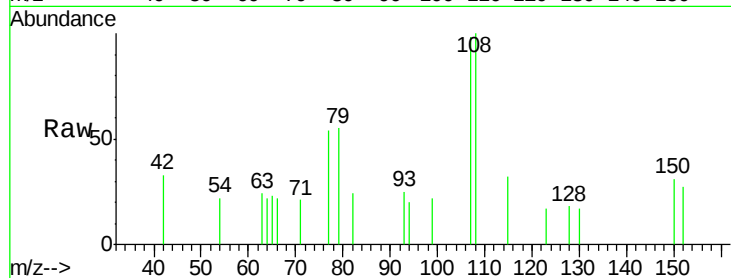
Ion Ratio Lower Upper

107 100

108 102.2 92.0 138.0

77 55.4 20.6 31.0#

79 56.5 22.9 34.3#



#10

3+4-Methylphenols

Concen: 0.17 ng

RT: 8.38 min Scan# 283

Delta R.T. 0.00 min

Lab File: BM000838.D

Acq: 03 Apr 2015 11:54

Tgt Ion:107 Resp: 504

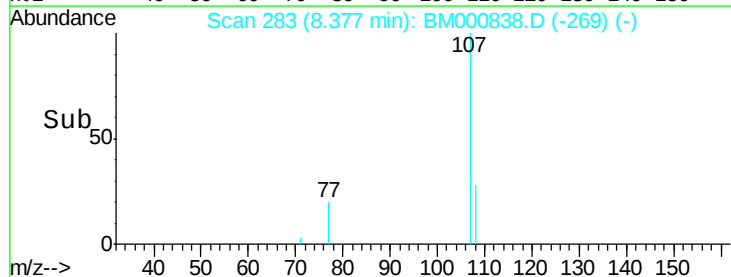
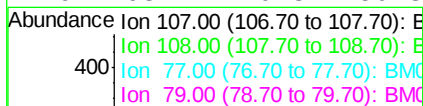
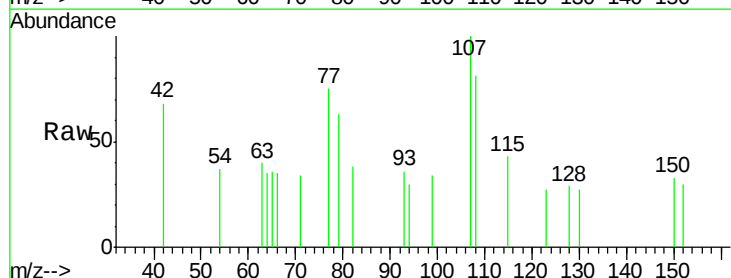
Ion Ratio Lower Upper

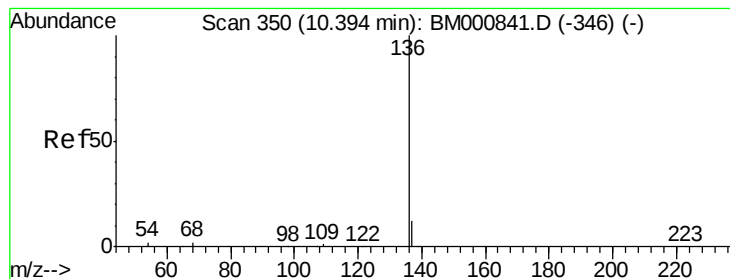
107 100

108 81.1 62.6 102.6

77 74.9 12.8 52.8#

79 63.4 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: BM000838.D

Acq: 03 Apr 2015 11:54

Instrument :

BNA_M

ClientSampleId :

MDL-07-W

Tot Ion:136 Resp: 123943

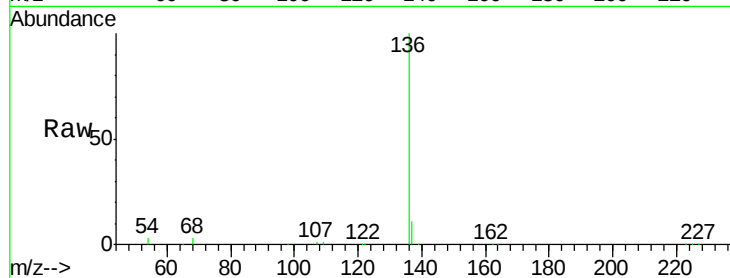
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 2.7 2.2 3.4

68 2.6 2.2 3.2

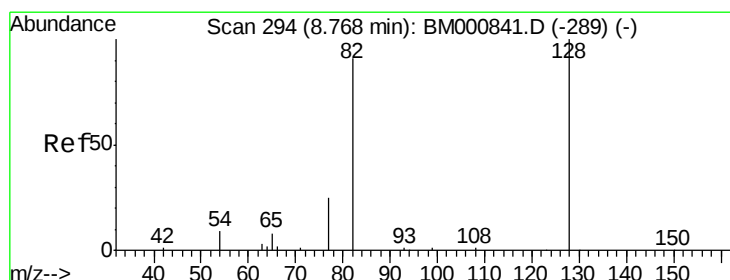
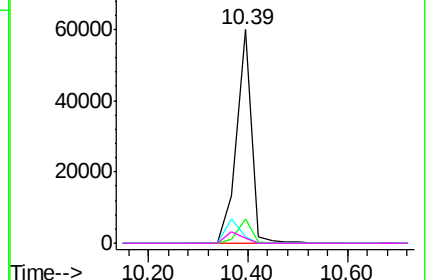
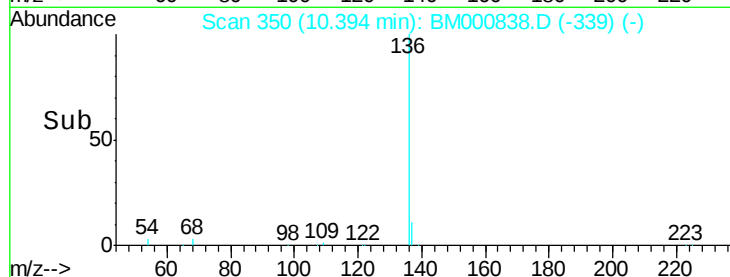


Abundance Ion 136.00 (135.70 to 136.70): E

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: 7.02 ng

RT: 8.77 min Scan# 294

Delta R.T. -0.00 min

Lab File: BM000838.D

Acq: 03 Apr 2015 11:54

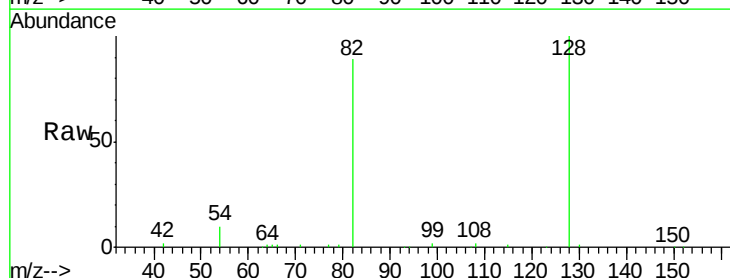
Tgt Ion: 82 Resp: 40622

Ion Ratio Lower Upper

82 100

128 112.6 72.5 108.7#

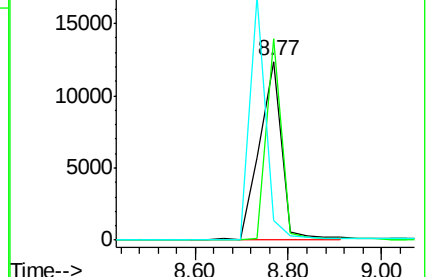
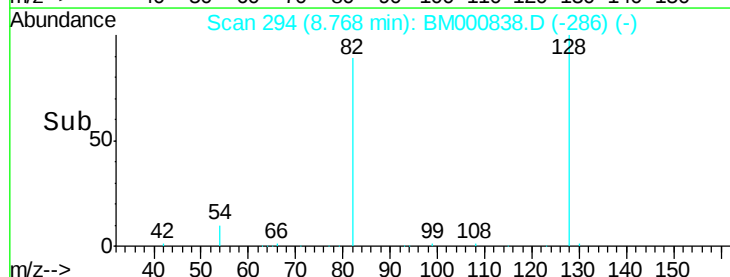
54 11.1 11.8 17.8#

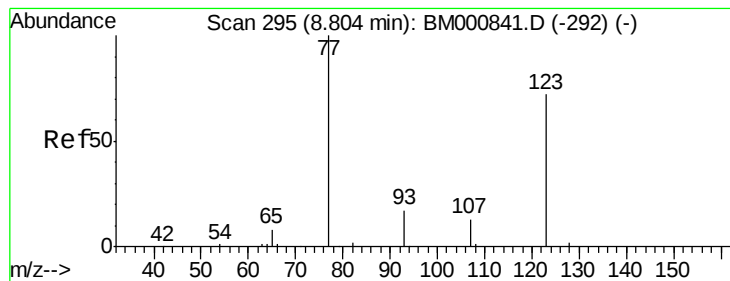


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#13

Nitrobenzene

Concen: 0.10 ng

RT: 8.80 min Scan# 295

Delta R.T. -0.00 min

Lab File: BM000838.D

Acq: 03 Apr 2015 11:54

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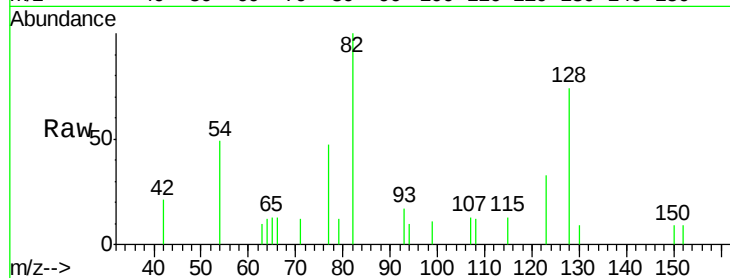
Tot Ion: 77 Resp: 671

Ion Ratio Lower Upper

77 100

123 68.8 45.8 68.6#

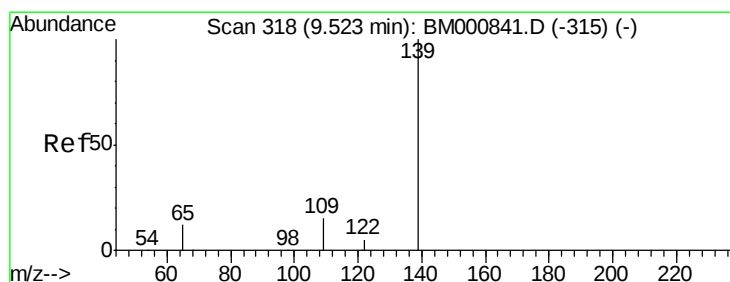
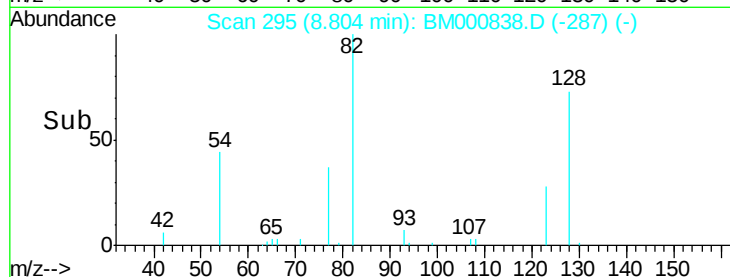
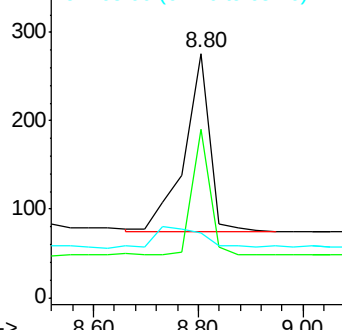
65 26.4 8.2 12.4#



Abundance Ion 77.00 (76.70 to 77.70): BM000838.D (-292) (-)

Ion 123.00 (122.70 to 123.70): BM000838.D (-292) (-)

Ion 65.00 (64.70 to 65.70): BM000838.D (-292) (-)



#14

2-Nitrophenol

Concen: 0.19 ng

RT: 9.52 min Scan# 318

Delta R.T. 0.00 min

Lab File: BM000838.D

Acq: 03 Apr 2015 11:54

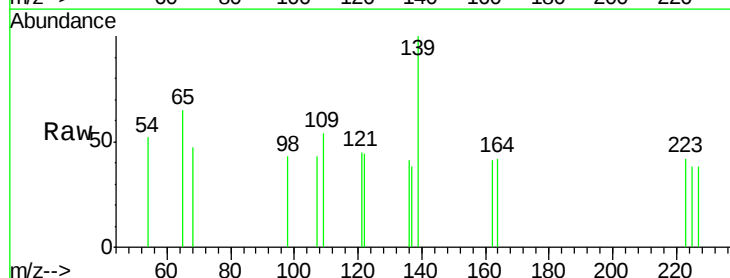
Tgt Ion: 139 Resp: 199

Ion Ratio Lower Upper

139 100

109 53.6 15.0 22.6#

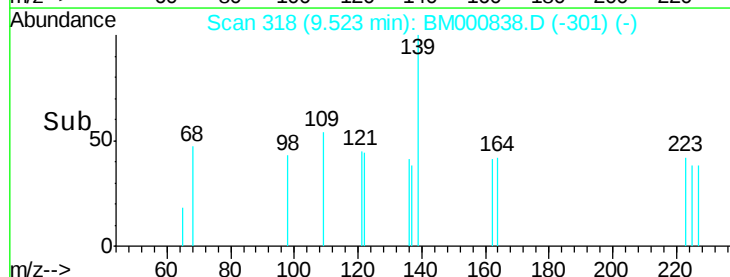
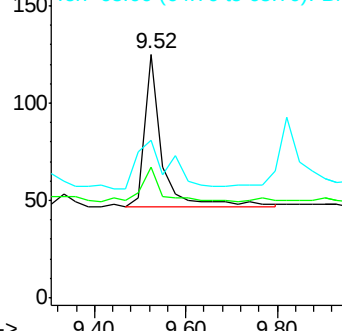
65 64.8 14.2 21.4#

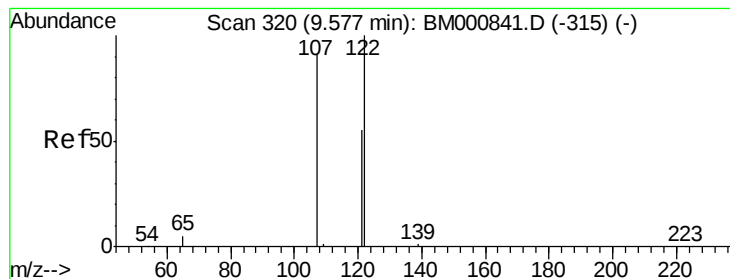


Abundance Ion 139.00 (138.70 to 139.70): BM000838.D (-315) (-)

Ion 109.00 (108.70 to 109.70): BM000838.D (-315) (-)

Ion 65.00 (64.70 to 65.70): BM000838.D (-315) (-)





#15

2,4-Dimethylphenol

Concen: 0.06 ng

RT: 9.58 min Scan# 320

Delta R.T. -0.00 min

Lab File: BM000838.D

Acq: 03 Apr 2015 11:54

Instrument :

BNA_M

ClientSampleId :

MDL-07-W

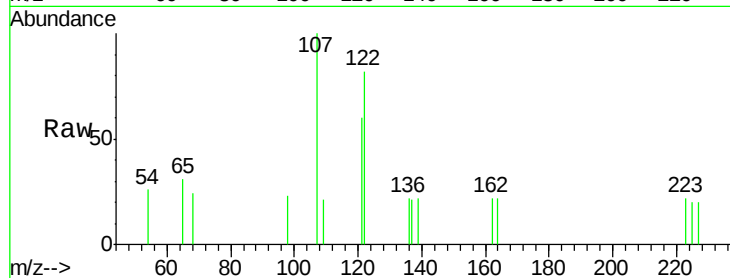
Tot Ion:122 Resp: 394

Ion Ratio Lower Upper

122 100

107 122.6 78.2 117.4#

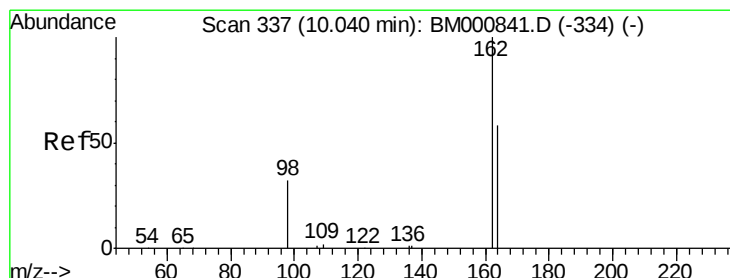
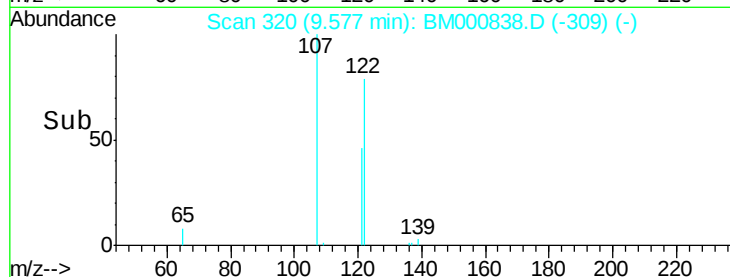
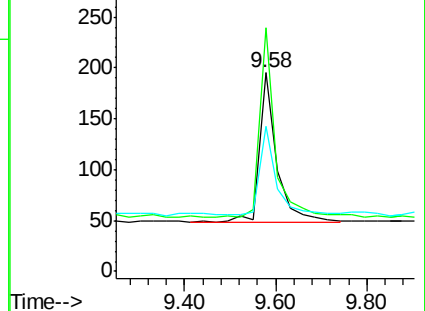
121 73.3 45.4 68.0#



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: BM000838.D

Acq: 03 Apr 2015 11:54

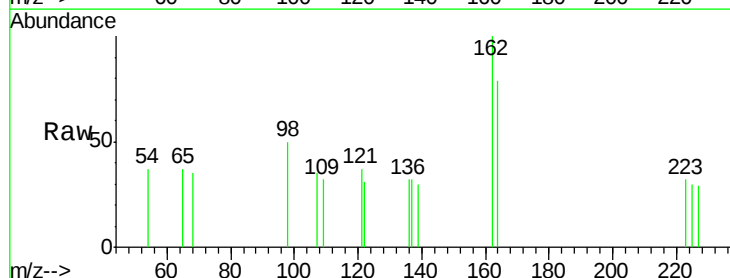
Tgt Ion:162 Resp: 376

Ion Ratio Lower Upper

162 100

164 79.1 37.1 77.1#

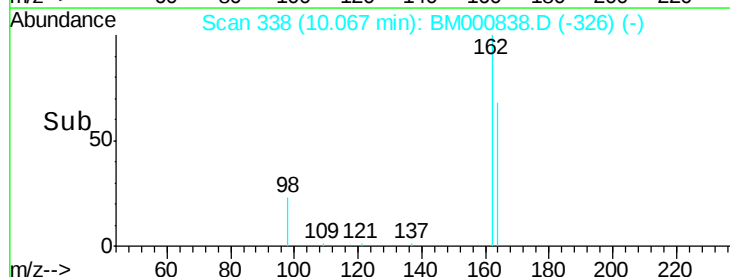
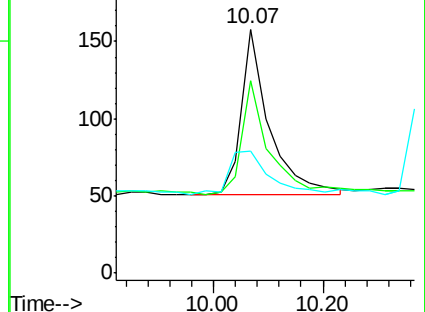
98 50.0 19.5 59.5

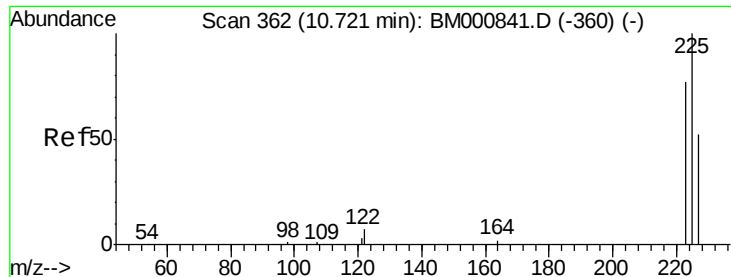


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM

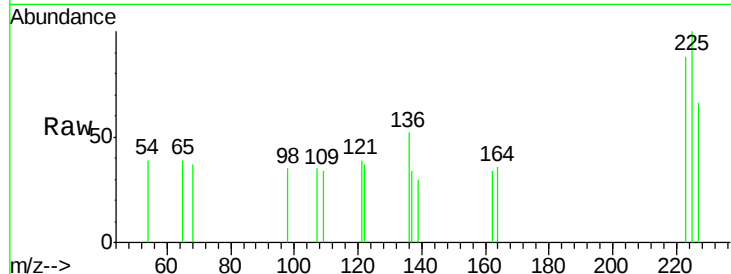




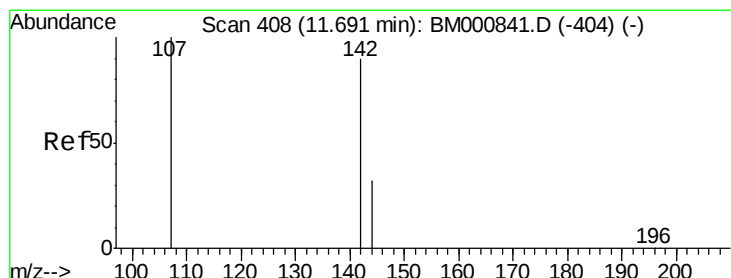
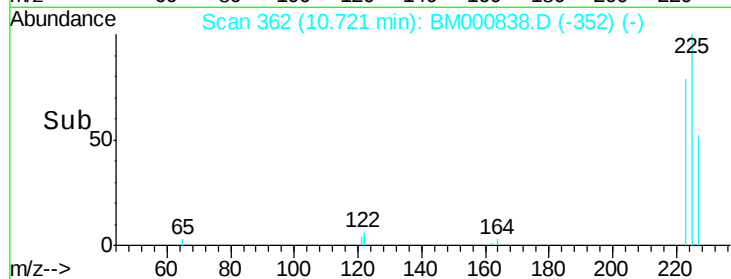
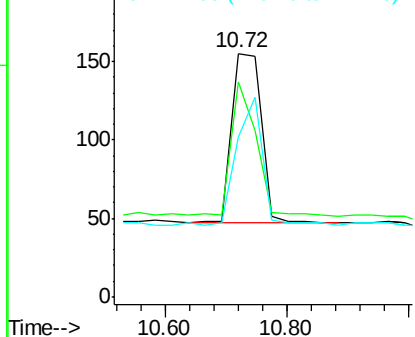
#17
Hexachlorobutadiene
Concen: 0.08 ng
RT: 10.72 min Scan# 362
Delta R.T. -0.03 min
Lab File: BM000838.D
Acq: 03 Apr 2015 11:54

Instrument :
BNA_M
ClientSampleId :
MDL-07-W

Tot Ion:225 Resp: 363
Ion Ratio Lower Upper
225 100
223 88.4 40.8 61.2#
227 65.8 62.8 94.2

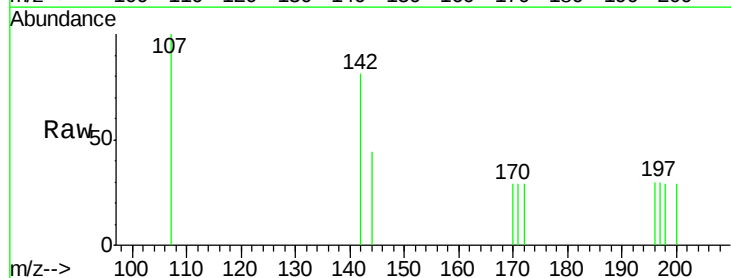


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

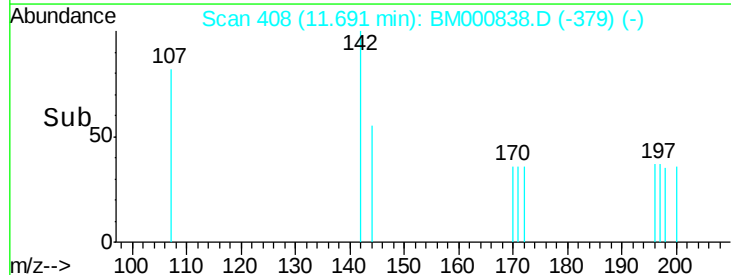
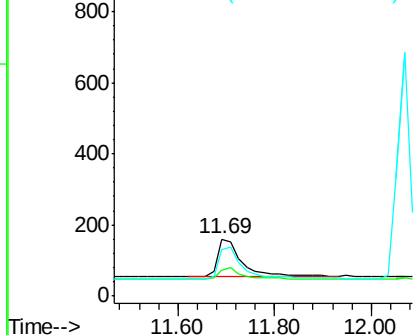


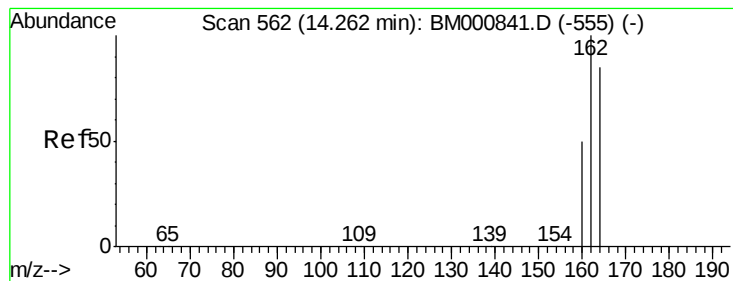
#18
4-Chloro-3-methylphenol
Concen: 0.06 ng
RT: 11.69 min Scan# 408
Delta R.T. -0.00 min
Lab File: BM000838.D
Acq: 03 Apr 2015 11:54

Tgt Ion:107 Resp: 392
Ion Ratio Lower Upper
107 100
144 44.4 25.8 38.8#
142 81.3 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





#19

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.28 min Scan# 563

Delta R.T. -0.00 min

Lab File: BM000838.D

Acq: 03 Apr 2015 11:54

Instrument :

BNA_M

ClientSampleID :

MDL-07-W

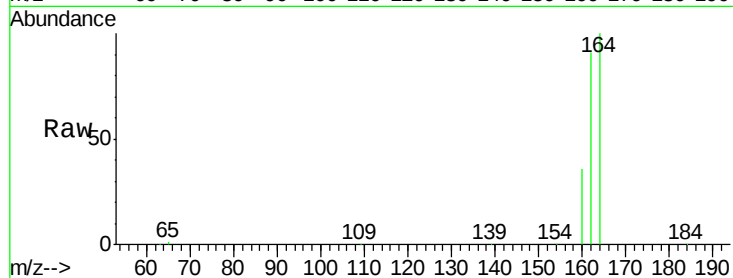
Tot Ion:164 Resp: 62479

Ion Ratio Lower Upper

164 100

162 91.3 74.2 111.2

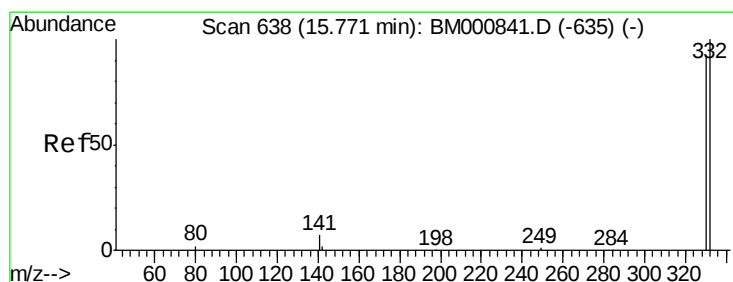
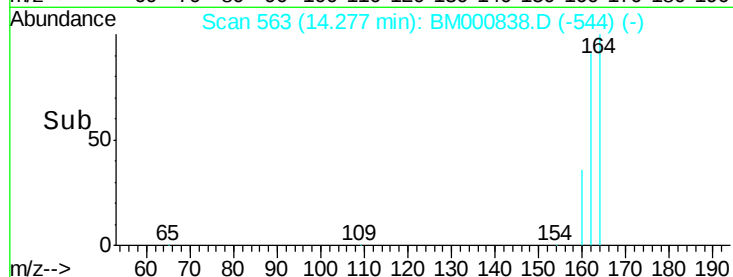
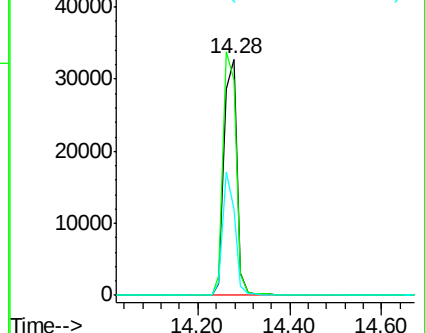
160 36.4 30.4 45.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#20

2,4,6-Tribromophenol

Concen: 8.79 ng

RT: 15.77 min Scan# 638

Delta R.T. 0.00 min

Lab File: BM000838.D

Acq: 03 Apr 2015 11:54

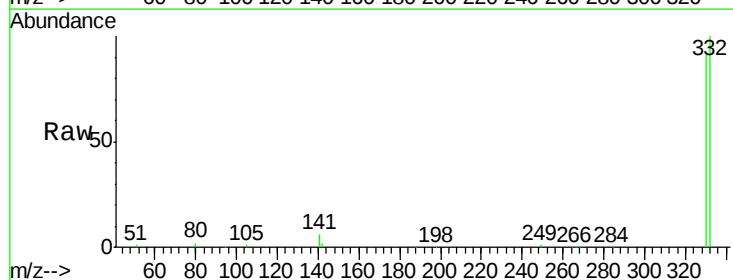
Tgt Ion:330 Resp: 23218

Ion Ratio Lower Upper

330 100

332 103.6 78.7 118.1

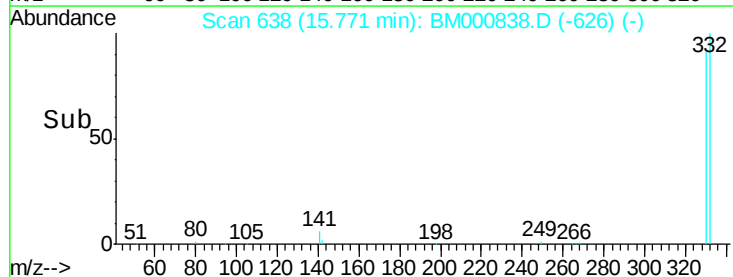
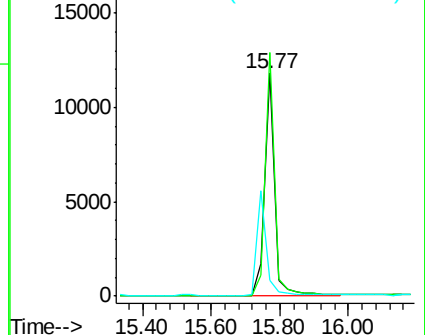
141 0.0 0.0 0.0

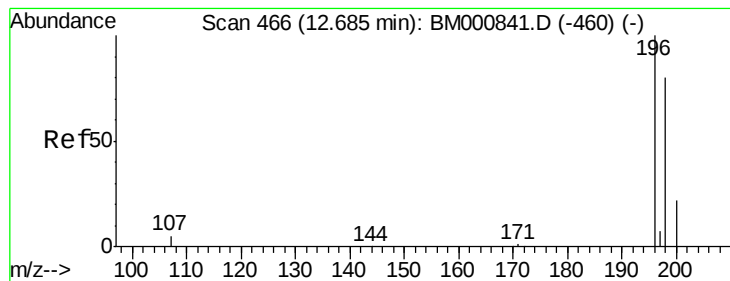


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

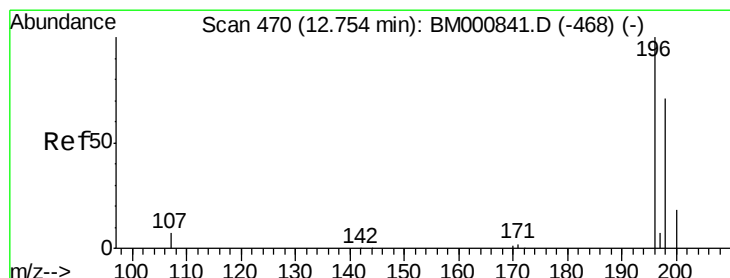
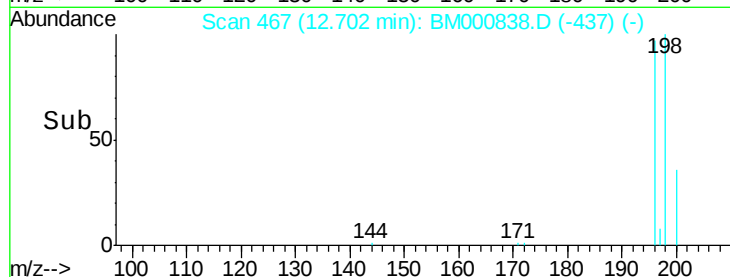
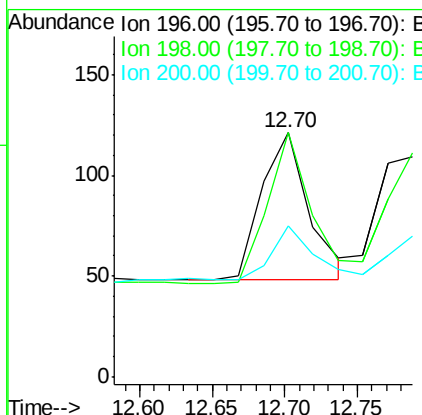
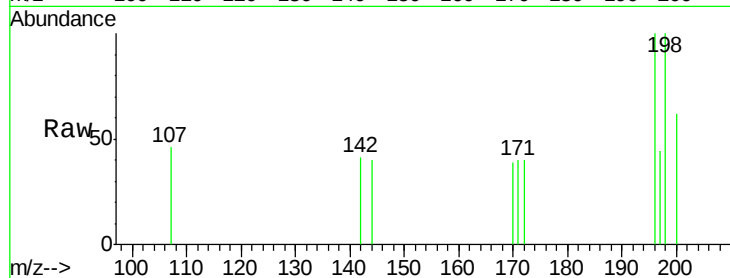




#21
 2,4,6-Trichlorophenol
 Concen: 0.16 ng
 RT: 12.70 min Scan# 467
 Delta R.T. 0.02 min
 Lab File: BM000838.D
 Acq: 03 Apr 2015 11:54

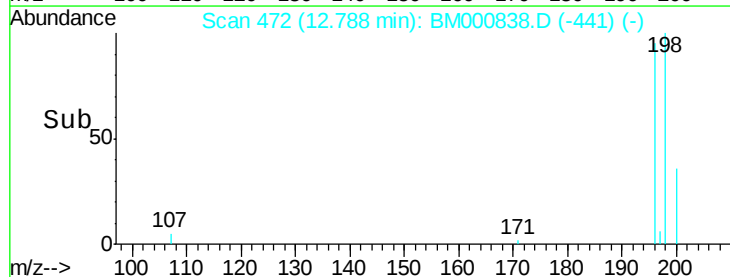
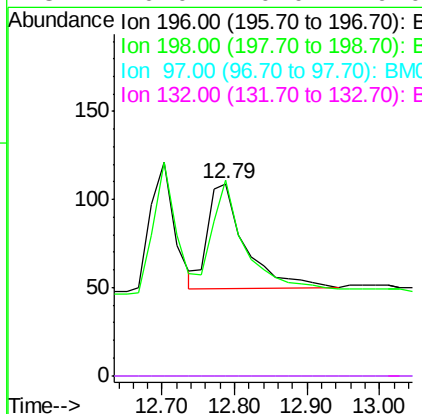
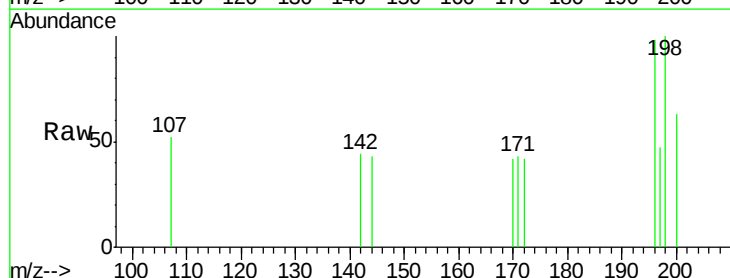
Instrument :
 BNA_M
 ClientSampleId :
 MDL-07-W

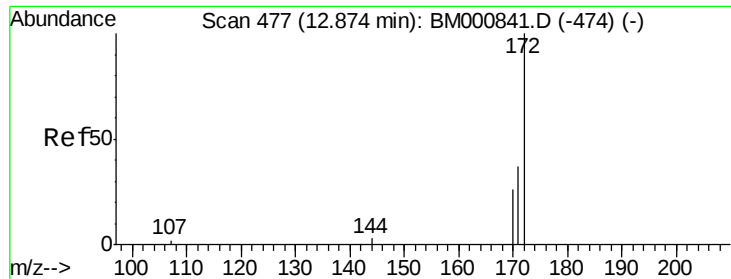
Tot Ion:196 Resp: 166
 Ion Ratio Lower Upper
 196 100
 198 100.0 59.5 89.3#
 200 62.0 17.4 26.0#



#22
 2,4,5-Trichlorophenol
 Concen: 0.09 ng
 RT: 12.79 min Scan# 472
 Delta R.T. 0.04 min
 Lab File: BM000838.D
 Acq: 03 Apr 2015 11:54

Tgt Ion:196 Resp: 215
 Ion Ratio Lower Upper
 196 100
 198 101.8 57.9 86.9#
 97 0.0 0.0 0.0
 132 0.0 0.0 0.0

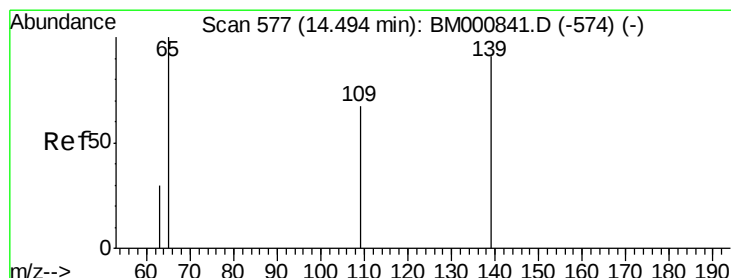
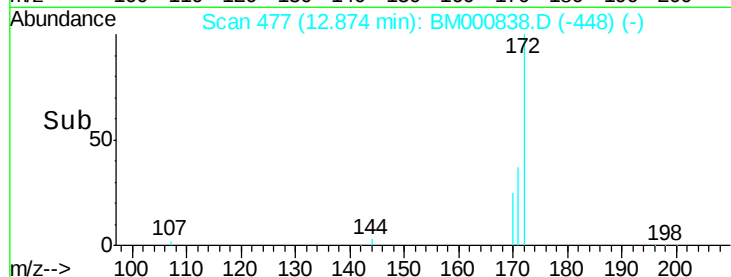
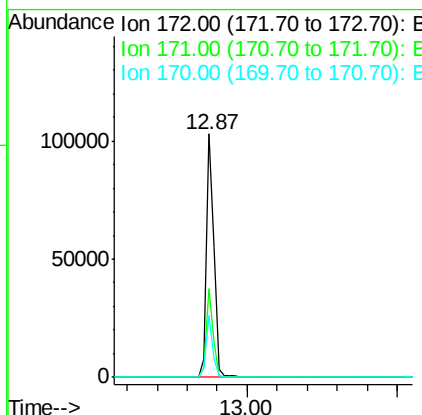
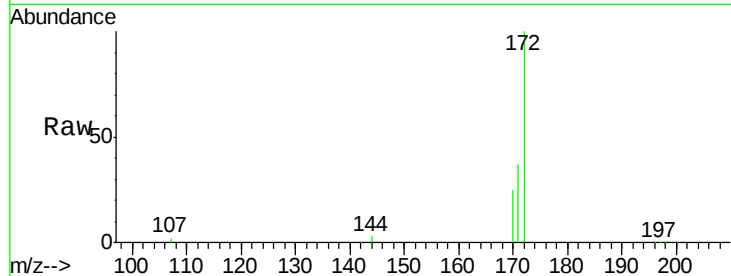




#23
2-Fluorobiphenyl
Concen: 9.24 ng
RT: 12.87 min Scan# 477
Delta R.T. -0.00 min
Lab File: BM000838.D
Acq: 03 Apr 2015 11:54

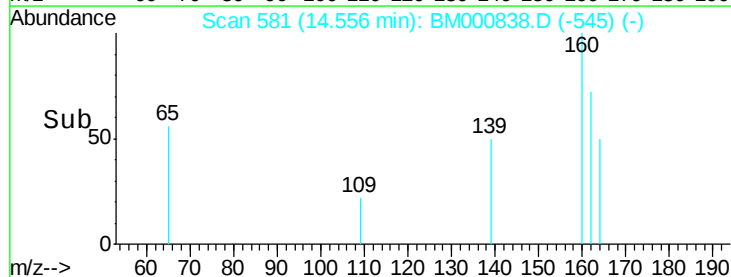
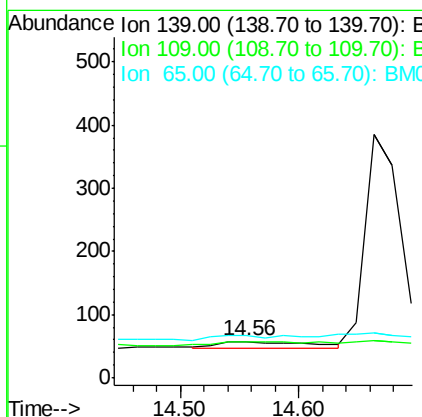
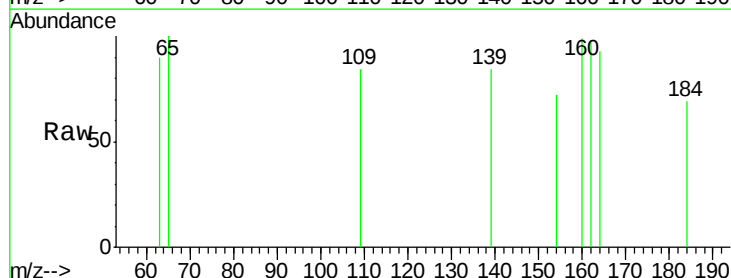
Instrument :
BNA_M
ClientSampleId :
MDL-07-W

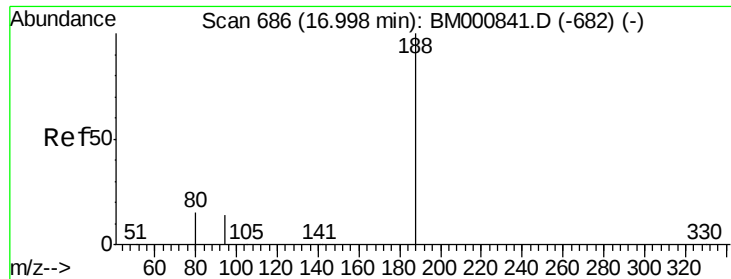
Tot Ion:172 Resp: 177903
Ion Ratio Lower Upper
172 100
171 36.6 30.6 46.0
170 25.5 22.2 33.2



#25
4-Nitrophenol
Concen: 0.26 ng m
RT: 14.56 min Scan# 581
Delta R.T. 0.06 min
Lab File: BM000838.D
Acq: 03 Apr 2015 11:54

Tgt Ion:139 Resp: 60
Ion Ratio Lower Upper
139 100
109 100.0 58.2 98.2#
65 119.3 90.4 130.4

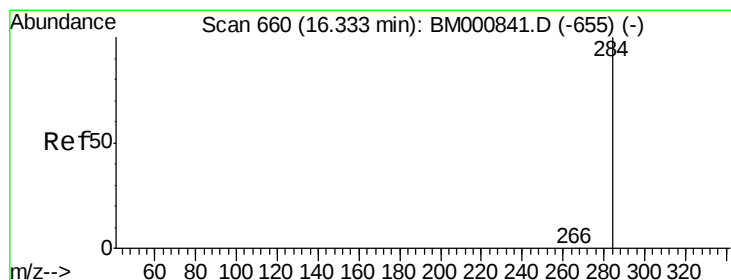
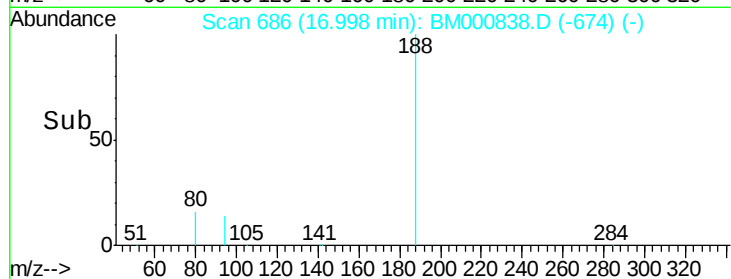
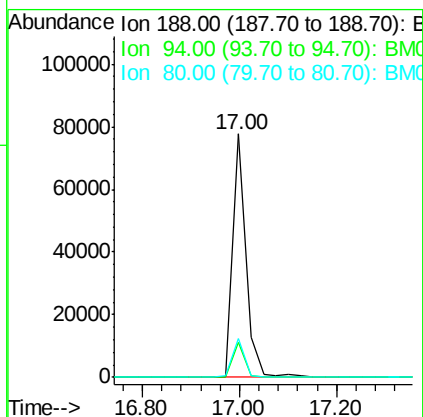
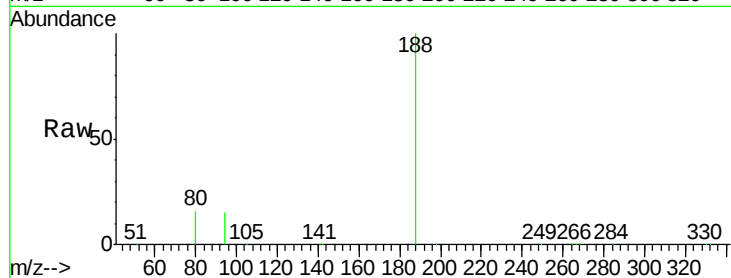




#26
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.00 min Scan# 686
Delta R.T. -0.00 min
Lab File: BM000838.D
Acq: 03 Apr 2015 11:54

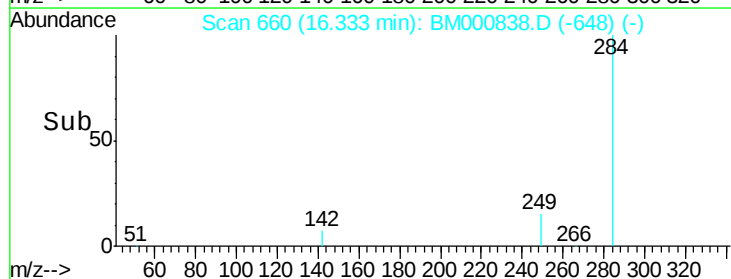
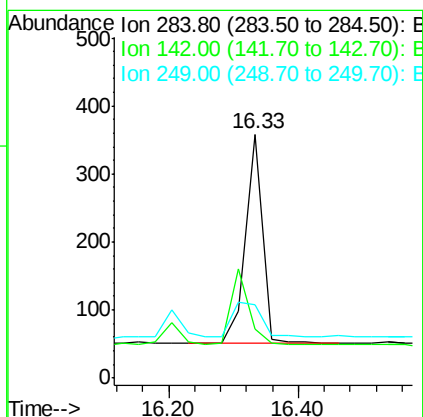
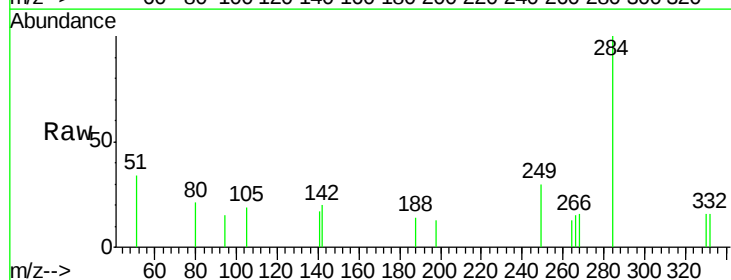
Instrument :
BNA_M
ClientSampleId :
MDL-07-W

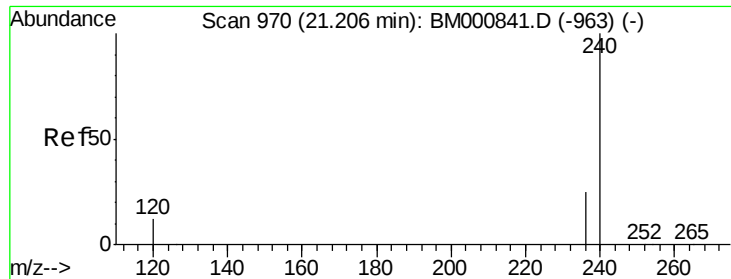
Tot Ion:188 Resp: 144067
Ion Ratio Lower Upper
188 100
94 14.5 13.0 19.6
80 15.9 14.7 22.1



#28
Hexachlorobenzene
Concen: 0.13 ng
RT: 16.33 min Scan# 660
Delta R.T. 0.00 min
Lab File: BM000838.D
Acq: 03 Apr 2015 11:54

Tgt Ion:284 Resp: 561
Ion Ratio Lower Upper
284 100
142 19.8 6.5 9.7#
249 30.2 12.6 18.8#

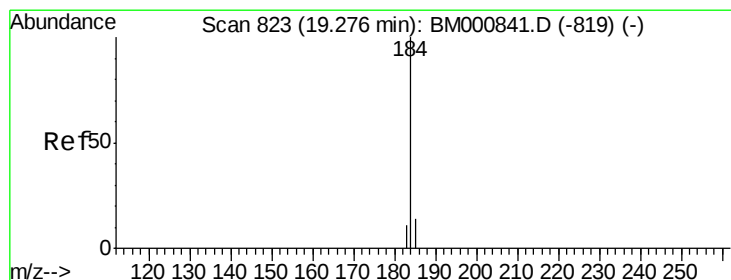
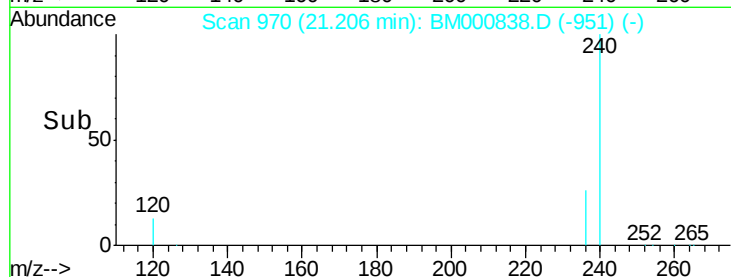
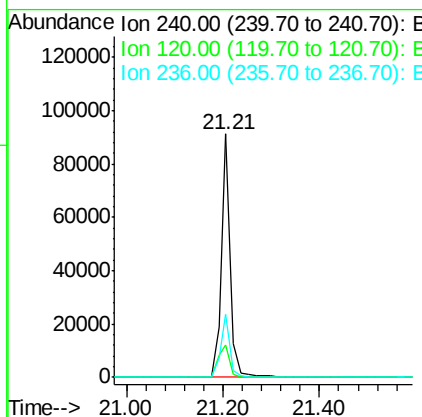
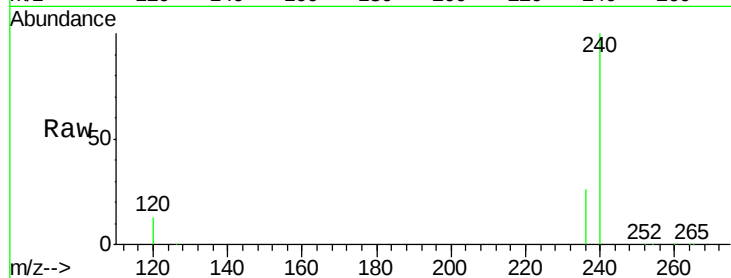




#30
Chrysene-d12
Concen: 5.00 ng
RT: 21.21 min Scan# 970
Delta R.T. -0.00 min
Lab File: BM000838.D
Acq: 03 Apr 2015 11:54

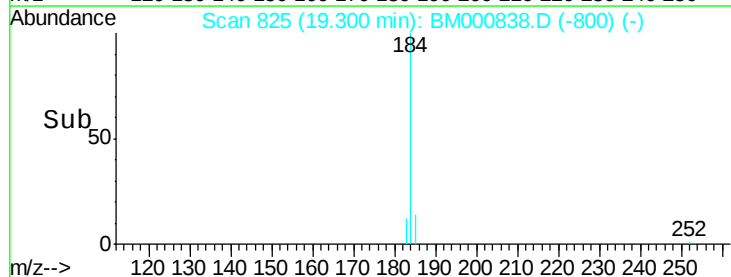
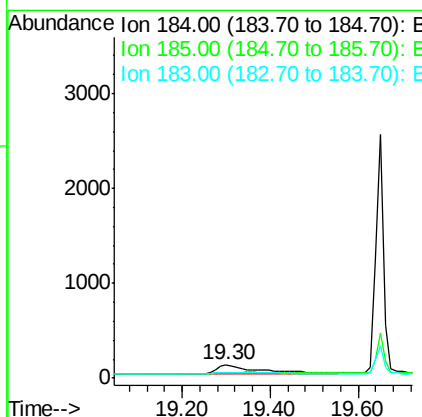
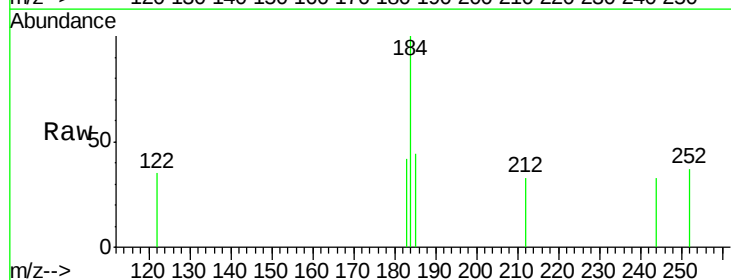
Instrument :
BNA_M
ClientSampleId :
MDL-07-W

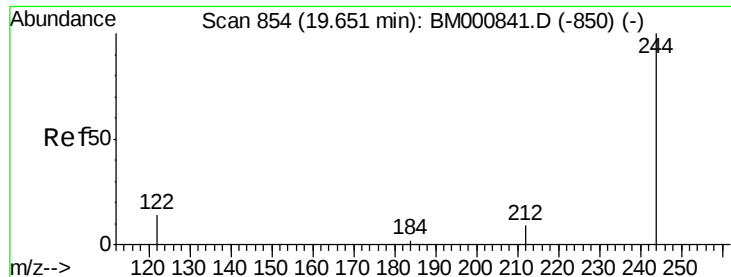
Tot Ion:240 Resp: 119566
Ion Ratio Lower Upper
240 100
120 13.1 11.3 16.9
236 25.8 21.1 31.7



#31
Benzidine
Concen: 0.24 ng
RT: 19.30 min Scan# 825
Delta R.T. 0.00 min
Lab File: BM000838.D
Acq: 03 Apr 2015 11:54

Tgt Ion:184 Resp: 601
Ion Ratio Lower Upper
184 100
185 43.8 39.1 58.7
183 41.7 36.1 54.1





#32

Terphenyl-d14

Concen: 10.21 ng

RT: 19.65 min Scan# 854

Delta R.T. -0.00 min

Lab File: BM000838.D

Acq: 03 Apr 2015 11:54

Instrument :

BNA_M

ClientSampleId :

MDL-07-W

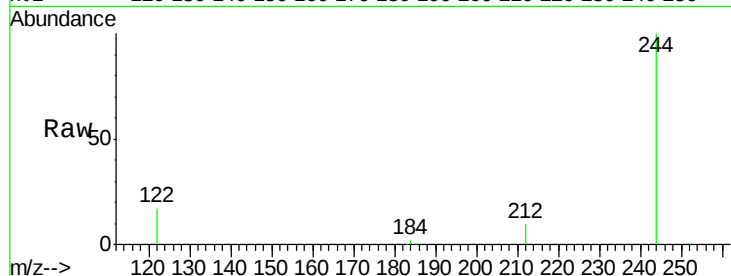
Tot Ion:244 Resp: 146904

Ion Ratio Lower Upper

244 100

212 9.8 8.0 12.0

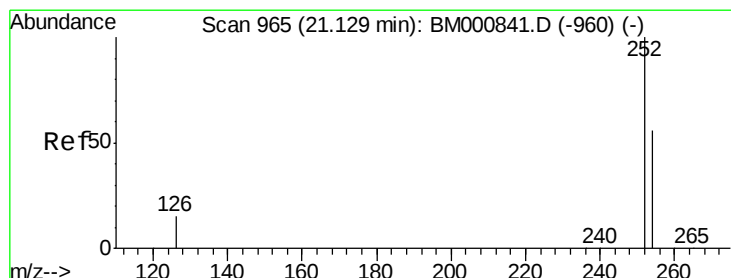
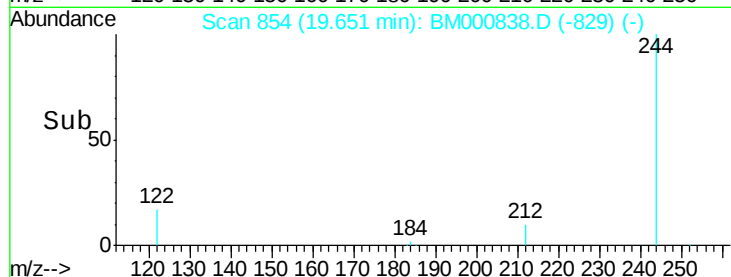
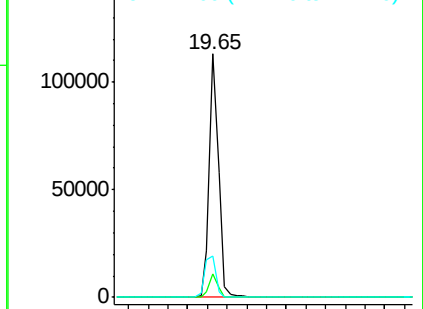
122 16.9 14.7 22.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#33

3,3'-Dichlorobenzidine

Concen: 0.24 ng

RT: 21.14 min Scan# 966

Delta R.T. 0.02 min

Lab File: BM000838.D

Acq: 03 Apr 2015 11:54

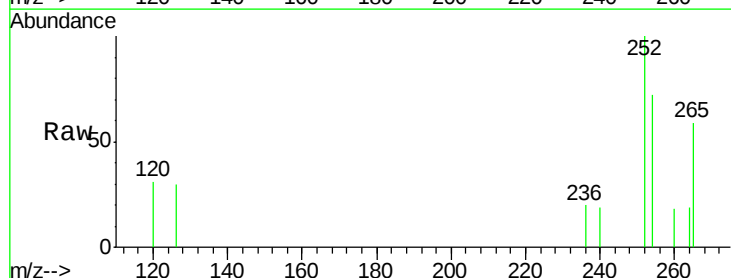
Tgt Ion:252 Resp: 519

Ion Ratio Lower Upper

252 100

254 72.2 44.5 66.7#

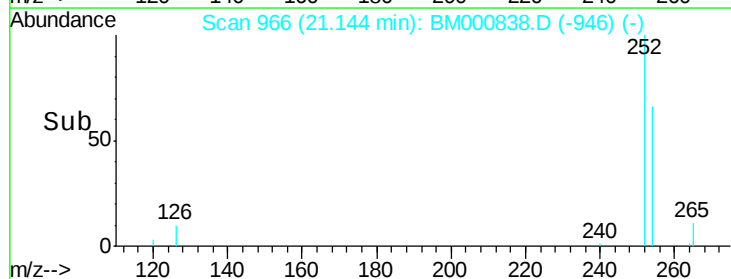
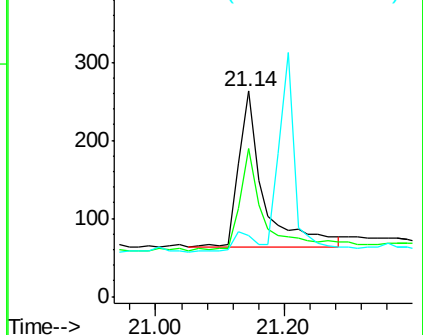
126 29.7 13.6 20.4#

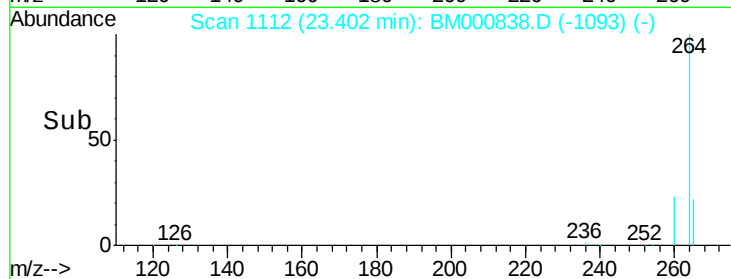
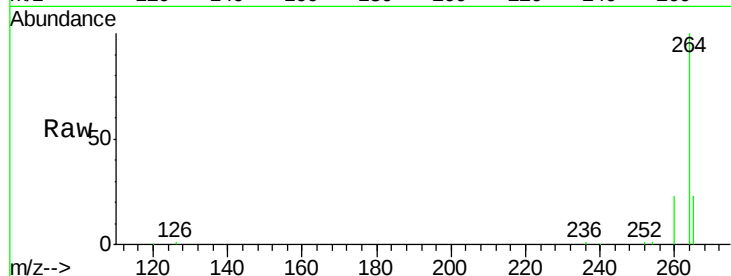
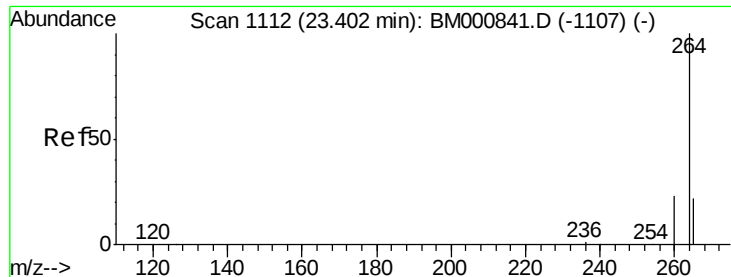


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM000838.D

Acq: 03 Apr 2015 11:54

Instrument :

BNA_M

ClientSampleId :

MDL-07-W

Tot Ion:264 Resp: 110126

Ion Ratio Lower Upper

264 100

260 23.4 19.1 28.7

265 22.5 17.5 26.3

