

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040315\
 Data File : BM000835.D
 Acq On : 03 Apr 2015 10:06
 Operator : TP/IZ
 Sample : MDL-04-W
 Misc : MDL-WATER-0.1/0.2
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-04-W

Quant Time: Apr 03 18:48:19 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	22932	5.00	ng	0.00
11) Naphthalene-d8	10.39	136	111188	5.00	ng	0.00
19) Acenaphthene-d10	14.28	164	56032	5.00	ng	0.00
26) Phenanthrene-d10	17.00	188	127679	5.00	ng	0.00
30) Chrysene-d12	21.21	240	108855	5.00	ng	0.00
34) Perylene-d12	23.40	264	99333	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	86199	13.65	ng	0.00
5) Phenol-d6	6.77	99	146424	12.06	ng	0.00
12) Nitrobenzene-d5	8.77	82	38867	7.49	ng	0.00
20) 2,4,6-Tribromophenol	15.77	330	22068	9.30	ng	0.00
23) 2-Fluorobiphenyl	12.87	172	171591	9.94	ng	0.00
32) Terphenyl-d14	19.65	244	142707	10.89	ng	0.00

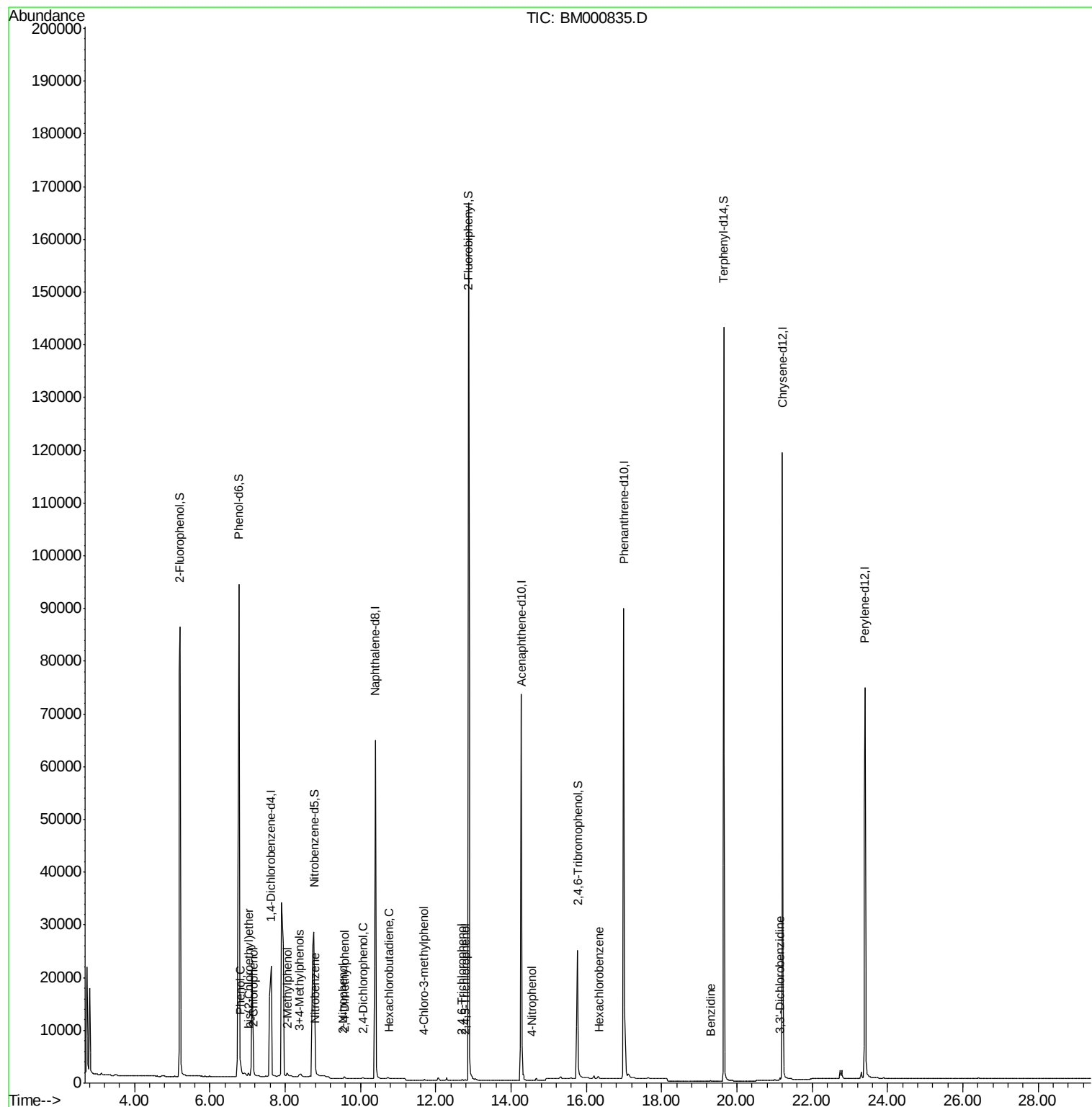
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) 2-Chlorophenol	7.17	128	648	0.28	ng	79
7) Phenol	6.81	94	827	0.09	ng	60
8) bis(2-Chloroethyl)ether	7.02	93	532m	0.27	ng	
9) 2-Methylphenol	8.06	107	534	0.23	ng	# 75
10) 3+4-Methylphenols	8.38	107	511	0.18	ng	# 68
13) Nitrobenzene	8.80	77	652	0.11	ng	# 78
14) 2-Nitrophenol	9.52	139	173	0.19	ng	# 1
15) 2,4-Dimethylphenol	9.58	122	373	0.06	ng	# 77
16) 2,4-Dichlorophenol	10.07	162	355	0.27	ng	# 77
17) Hexachlorobutadiene	10.75	225	345	0.08	ng	# 83
18) 4-Chloro-3-methylphenol	11.69	107	417	0.07	ng	# 85
21) 2,4,6-Trichlorophenol	12.70	196	160	0.16	ng	# 54
22) 2,4,5-Trichlorophenol	12.79	196	223	0.10	ng	# 64
25) 4-Nitrophenol	14.56	139	38m	0.25	ng	
28) Hexachlorobenzene	16.33	284	535	0.14	ng	# 64
31) Benzidine	19.30	184	544	0.24	ng	95
33) 3,3'-Dichlorobenzidine	21.14	252	526	0.25	ng	# 76

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

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040315\
Data File : BM000835.D
Acq On : 03 Apr 2015 10:06
Operator : TP/IZ
Sample : MDL-04-W
Misc : MDL-WATER-0.1/0.2
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-04-W

Quant Time: Apr 03 18:48:19 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



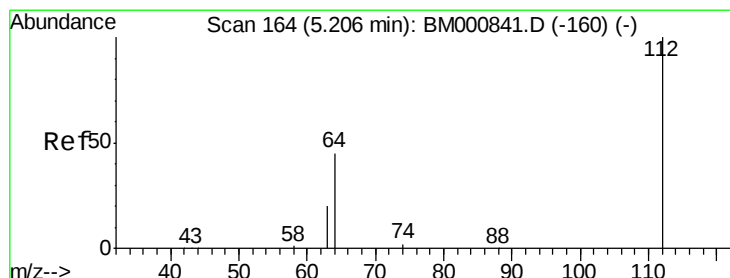
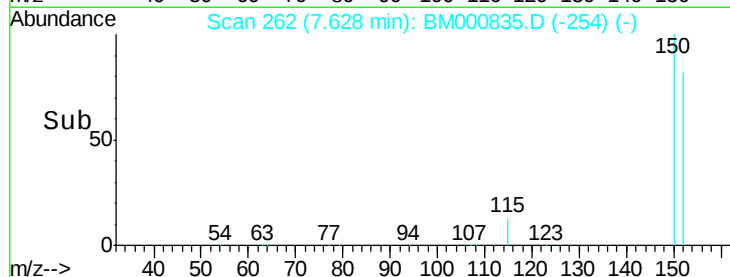
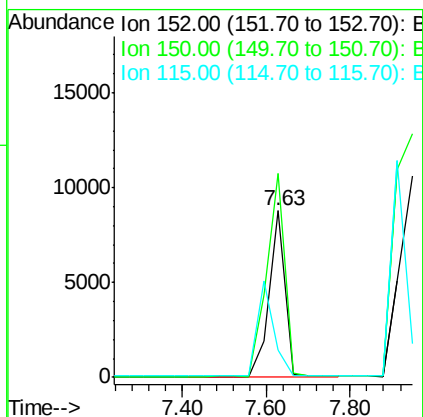
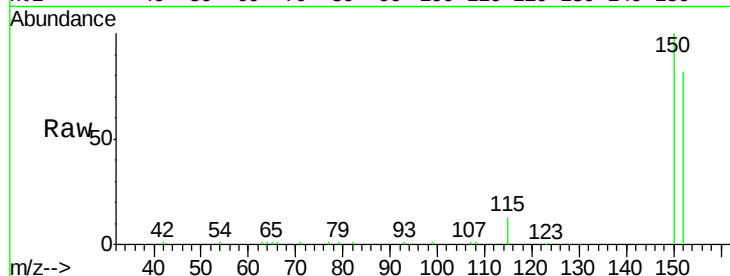


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.63 min Scan# 262
Delta R.T. -0.00 min
Lab File: BM000835.D
Acq: 03 Apr 2015 10:06

Instrument :
BNA_M
ClientSampleId :
MDL-04-W

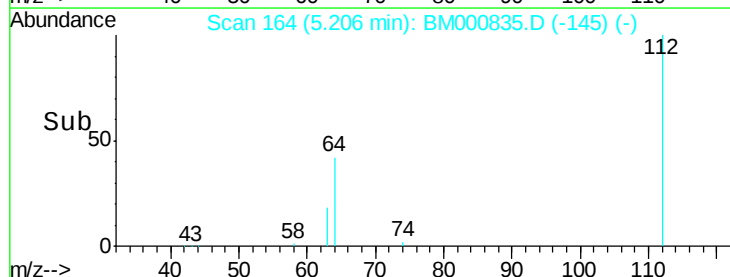
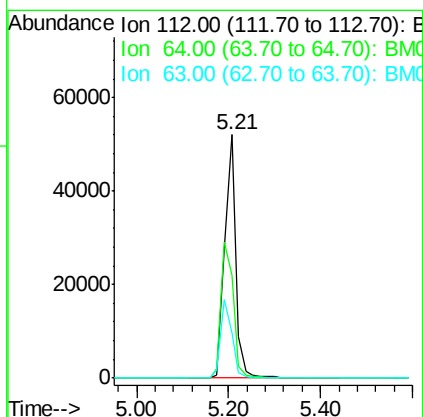
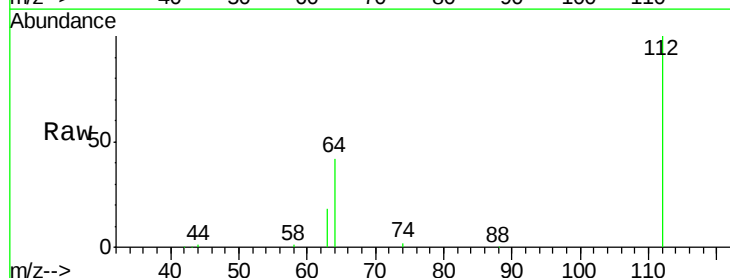
Tot Ion:152 Resp: 22932
Ion Ratio Lower Upper
152 100
150 122.4 99.8 149.6
115 16.3 13.5 20.3

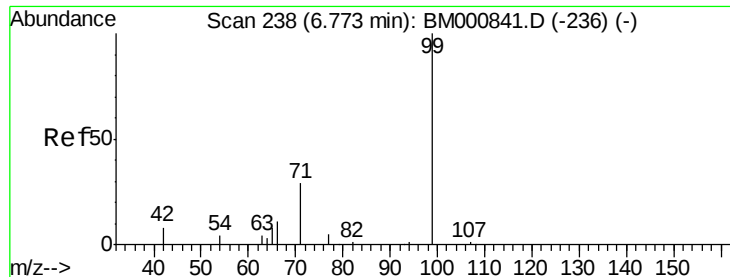


#4

2-Fluorophenol
Concen: 13.65 ng
RT: 5.21 min Scan# 164
Delta R.T. -0.00 min
Lab File: BM000835.D
Acq: 03 Apr 2015 10:06

Tgt Ion:112 Resp: 86199
Ion Ratio Lower Upper
112 100
64 42.3 40.3 60.5
63 18.5 19.0 28.4#





#5

Phenol-d6

Concen: 12.06 ng

RT: 6.77 min Scan# 238

Delta R.T. 0.00 min

Lab File: BM000835.D

Acq: 03 Apr 2015 10:06

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

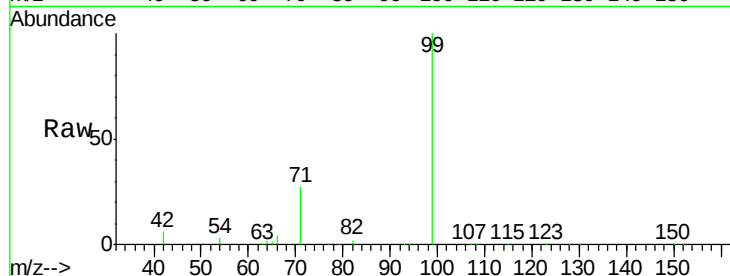
Tot Ion: 99 Resp: 146424

Ion Ratio Lower Upper

99 100

42 5.8 10.2 15.4#

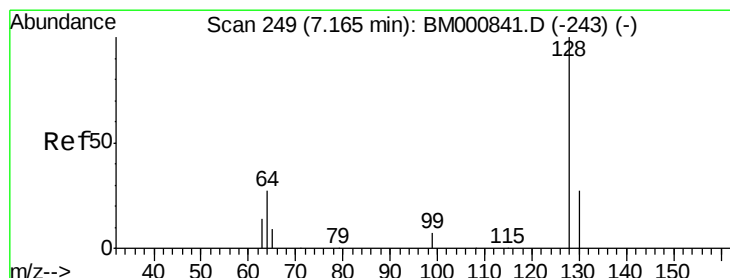
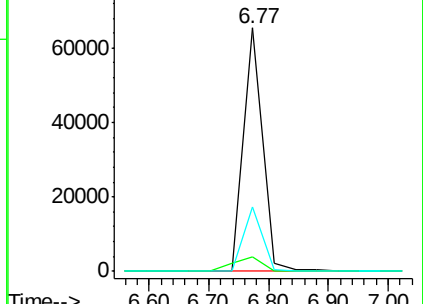
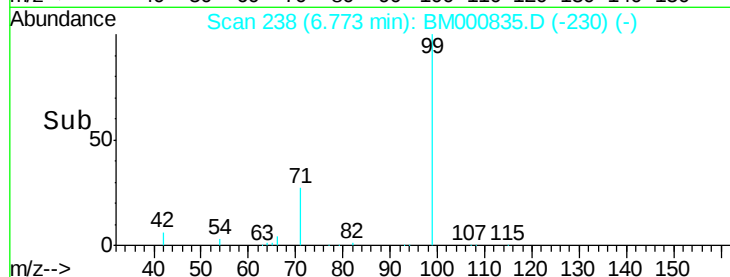
71 26.7 28.6 43.0#



Abundance Ion 99.00 (98.70 to 99.70): BM000841.D (-236) (-)

Ion 42.00 (41.70 to 42.70): BM000841.D (-236) (-)

Ion 71.00 (70.70 to 71.70): BM000841.D (-236) (-)



#6

2-Chlorophenol

Concen: 0.28 ng

RT: 7.17 min Scan# 249

Delta R.T. 0.00 min

Lab File: BM000835.D

Acq: 03 Apr 2015 10:06

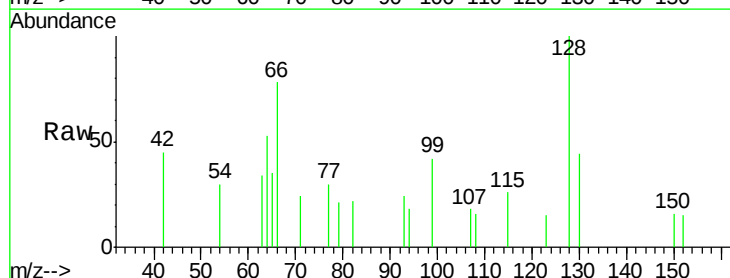
Tgt Ion: 128 Resp: 648

Ion Ratio Lower Upper

128 100

130 43.5 7.6 47.6

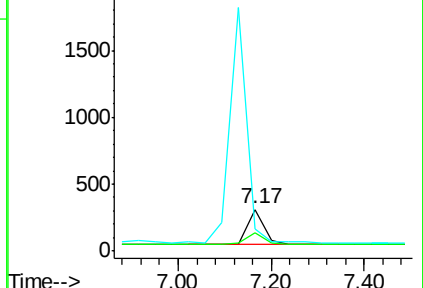
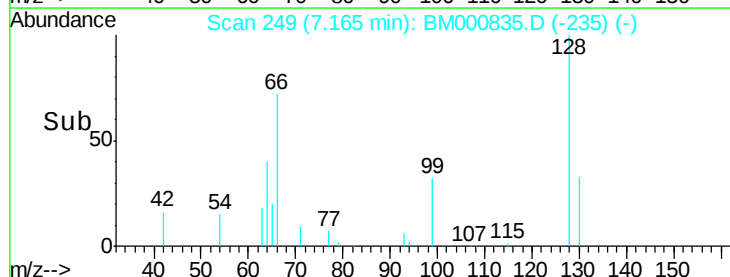
64 52.9 23.1 63.1

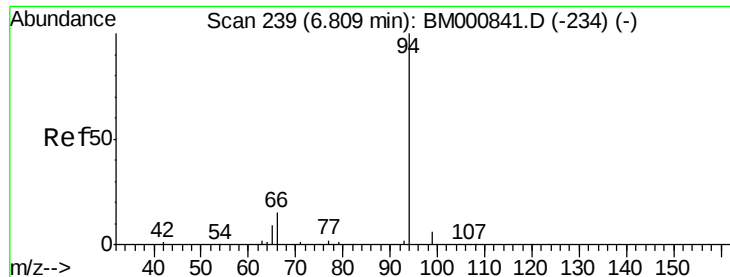


Abundance Ion 128.00 (127.70 to 128.70): BM000841.D (-243) (-)

Ion 130.00 (129.70 to 130.70): BM000841.D (-243) (-)

Ion 64.00 (63.70 to 64.70): BM000841.D (-243) (-)





#7

Phenol

Concen: 0.09 ng

RT: 6.81 min Scan# 239

Delta R.T. -0.00 min

Lab File: BM000835.D

Acq: 03 Apr 2015 10:06

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

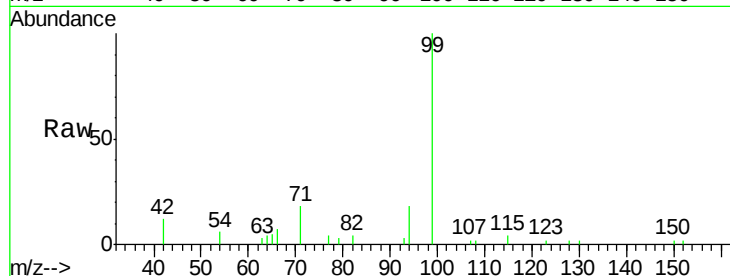
Tot Ion: 94 Resp: 827

Ion Ratio Lower Upper

94 100

65 25.1 0.0 32.0

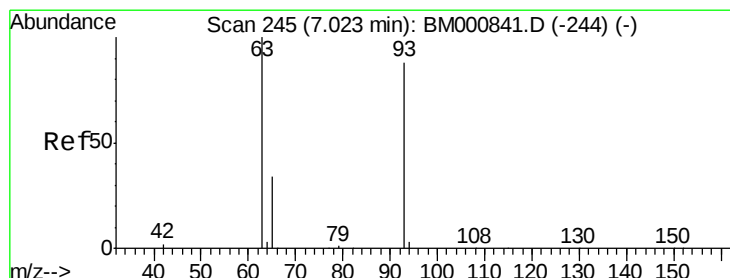
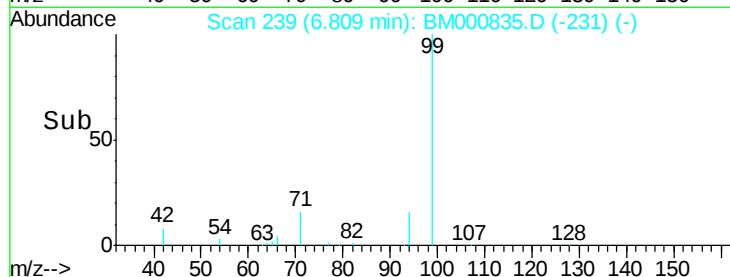
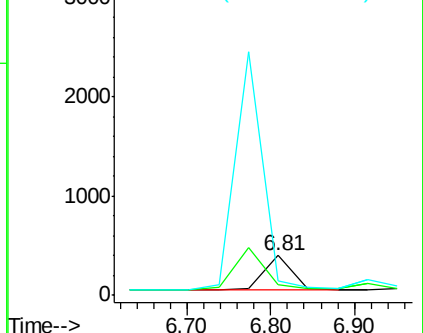
66 37.3 0.0 37.6



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: BM000835.D

Acq: 03 Apr 2015 10:06

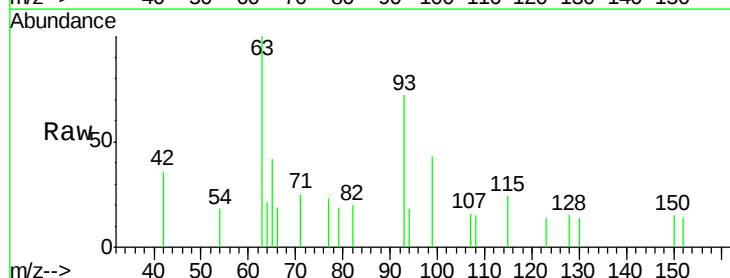
Tgt Ion: 93 Resp: 532

Ion Ratio Lower Upper

93 100

63 138.3 118.9 158.9

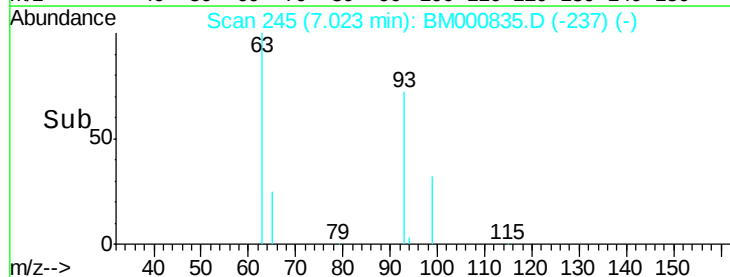
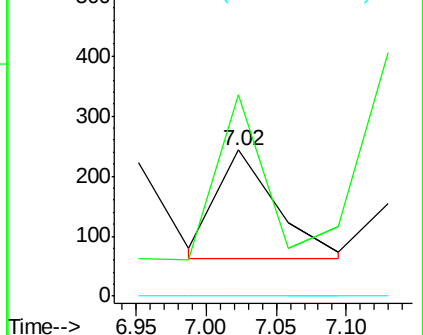
95 0.0 0.0 20.0

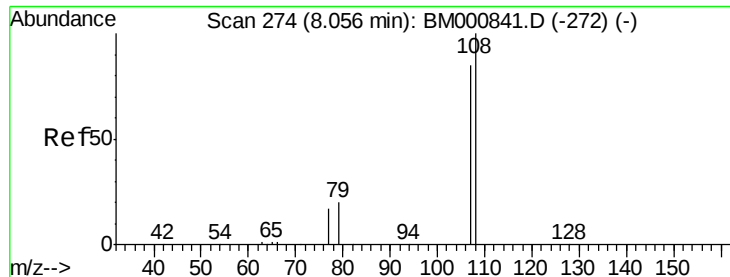


Abundance Ion 93.00 (92.70 to 93.70): BM000841.D (-244) (-)

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: 0.23 ng

RT: 8.06 min Scan# 274

Delta R.T. -0.00 min

Lab File: BM000835.D

Acq: 03 Apr 2015 10:06

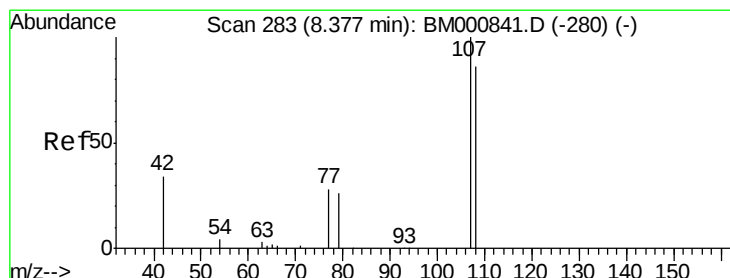
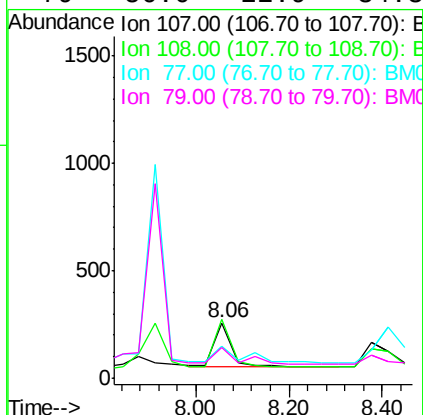
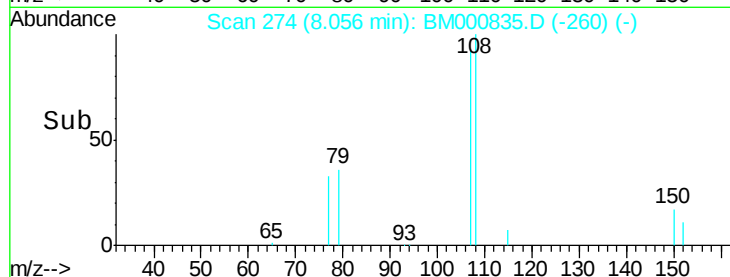
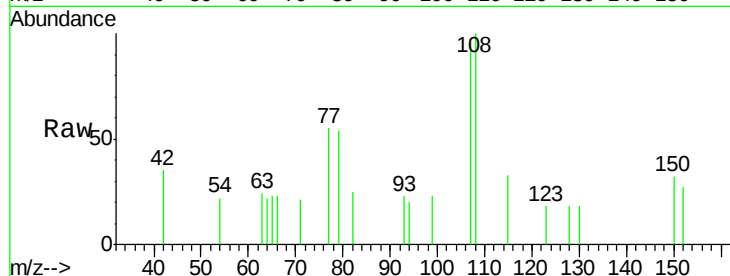
Instrument :

BNA_M

ClientSampleId :

MDL-04-W

Tot Ion:107	Resp:	534
Ion	Ratio	Lower Upper
107	100	
108	104.6	92.0 138.0
77	57.5	20.6 31.0#
79	56.0	22.9 34.3#



#10

3+4-Methylphenols

Concen: 0.18 ng

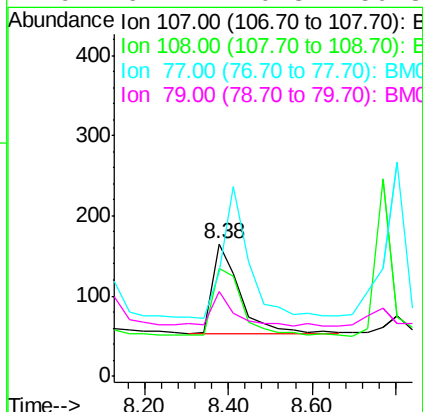
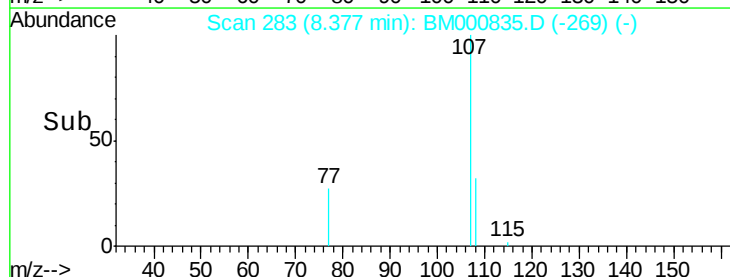
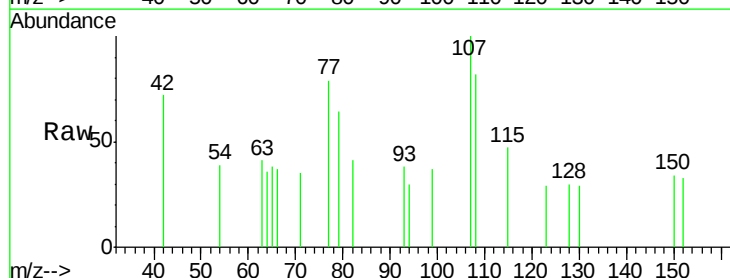
RT: 8.38 min Scan# 283

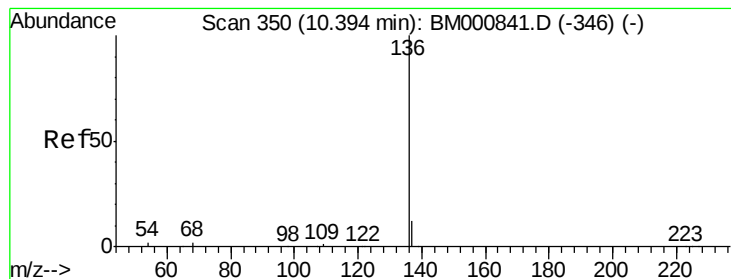
Delta R.T. 0.00 min

Lab File: BM000835.D

Acq: 03 Apr 2015 10:06

Tgt Ion:107	Resp:	511
Ion	Ratio	Lower Upper
107	100	
108	81.8	62.6 102.6
77	78.8	12.8 52.8#
79	64.2	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: BM000835.D

Acq: 03 Apr 2015 10:06

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

Tot Ion:136 Resp: 111188

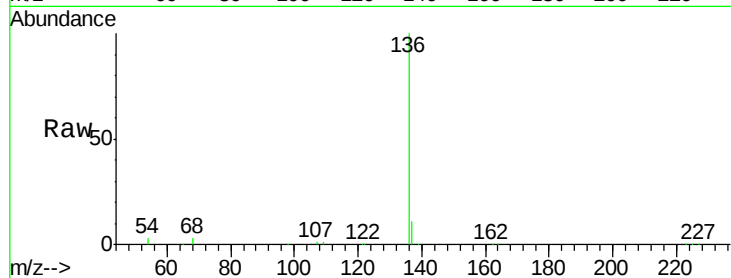
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 2.9 2.2 3.4

68 2.8 2.2 3.2

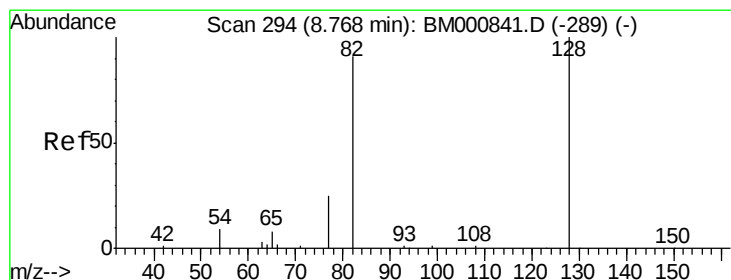
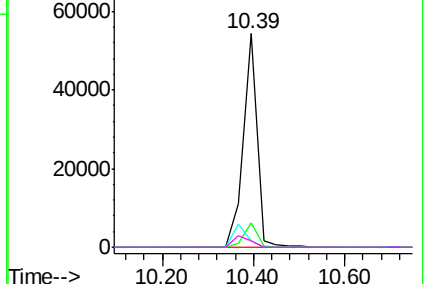
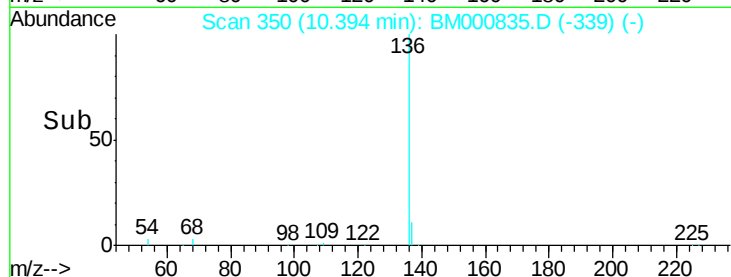


Abundance Ion 136.00 (135.70 to 136.70): E

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: 7.49 ng

RT: 8.77 min Scan# 294

Delta R.T. -0.00 min

Lab File: BM000835.D

Acq: 03 Apr 2015 10:06

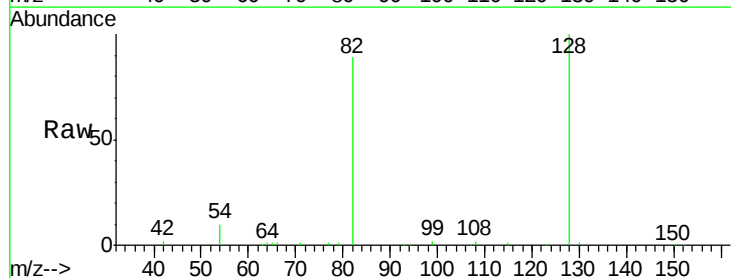
Tgt Ion: 82 Resp: 38867

Ion Ratio Lower Upper

82 100

128 112.1 72.5 108.7#

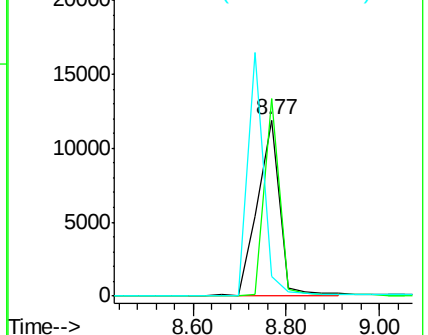
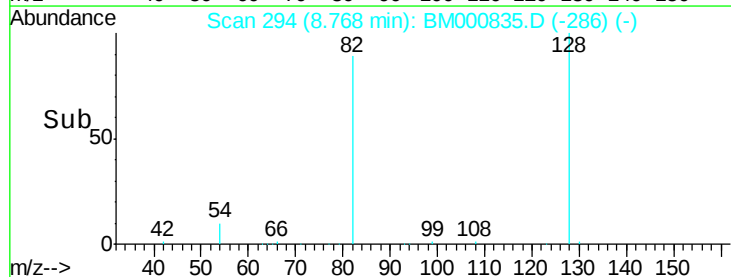
54 11.4 11.8 17.8#

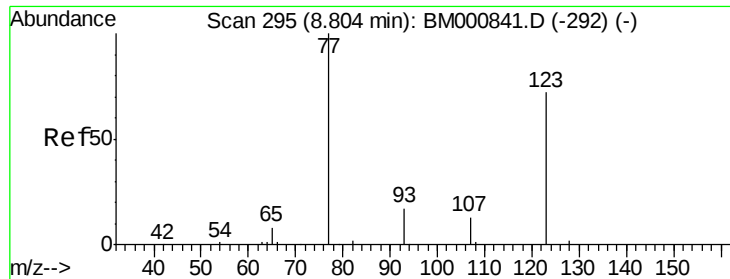


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM

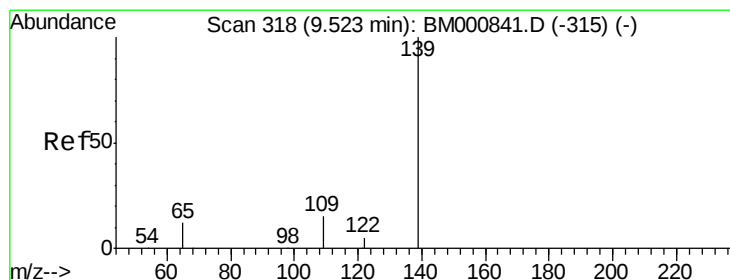
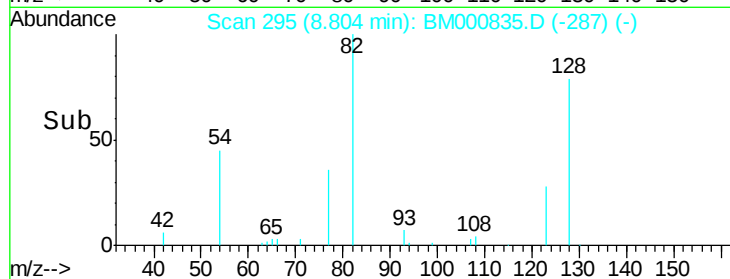
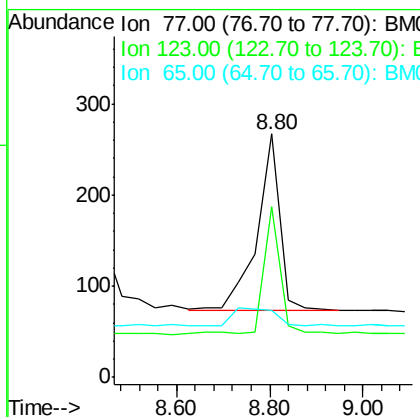
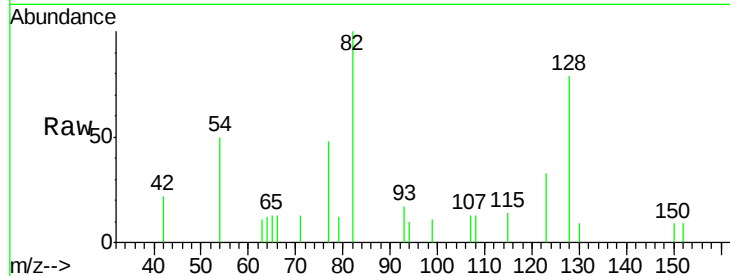




#13
 Nitrobenzene
 Concen: 0.11 ng
 RT: 8.80 min Scan# 295
 Delta R.T. -0.00 min
 Lab File: BM000835.D
 Acq: 03 Apr 2015 10:06

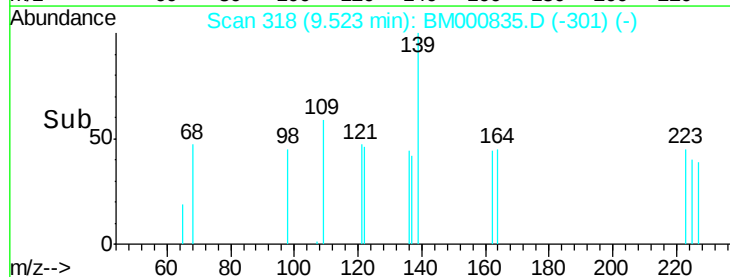
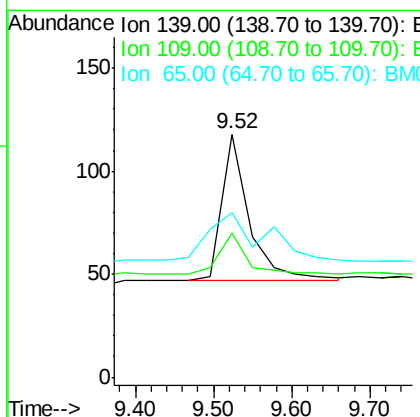
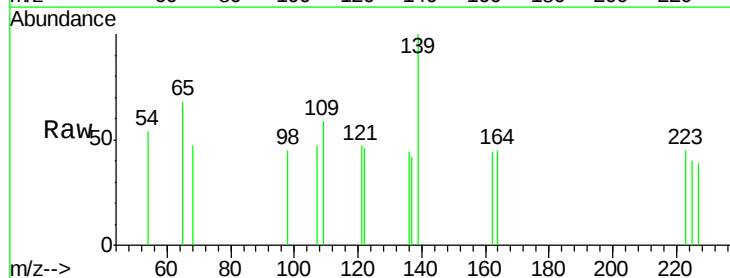
Instrument :
 BNA_M
 ClientSampleId :
 MDL-04-W

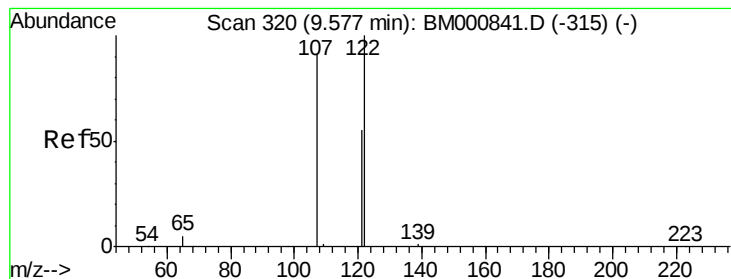
Tot Ion: 77 Resp: 652
 Ion Ratio Lower Upper
 77 100
 123 70.0 45.8 68.6#
 65 27.3 8.2 12.4#



#14
 2-Nitrophenol
 Concen: 0.19 ng
 RT: 9.52 min Scan# 318
 Delta R.T. 0.00 min
 Lab File: BM000835.D
 Acq: 03 Apr 2015 10:06

Tgt Ion: 139 Resp: 173
 Ion Ratio Lower Upper
 139 100
 109 59.3 15.0 22.6#
 65 67.8 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: BM000835.D

Acq: 03 Apr 2015 10:06

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

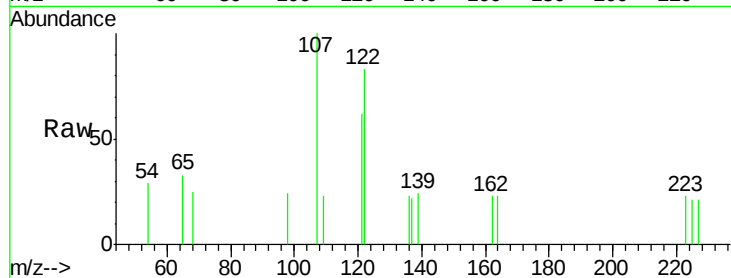
Tot Ion:122 Resp: 373

Ion Ratio Lower Upper

122 100

107 120.4 78.2 117.4#

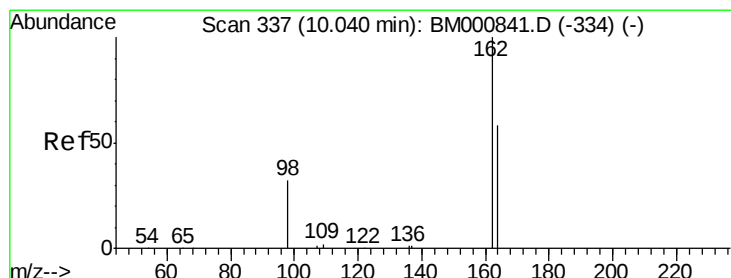
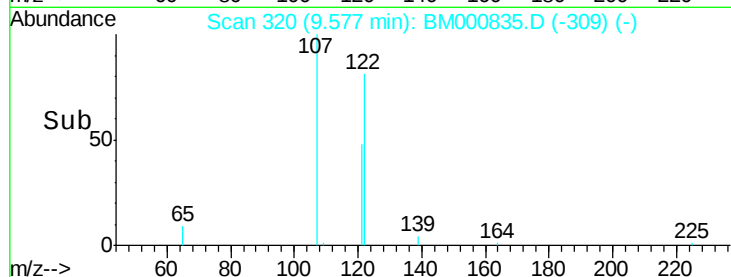
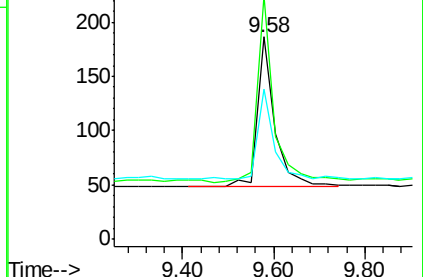
121 74.2 45.4 68.0#



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: BM000835.D

Acq: 03 Apr 2015 10:06

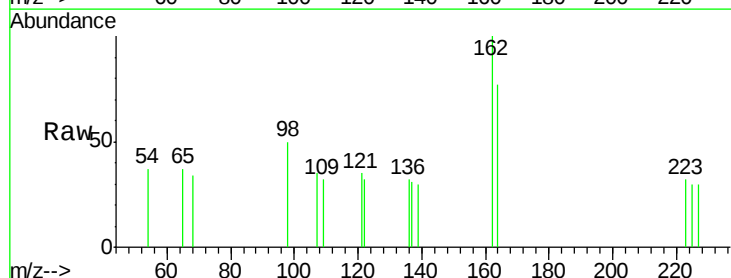
Tgt Ion:162 Resp: 355

Ion Ratio Lower Upper

162 100

164 77.2 37.1 77.1#

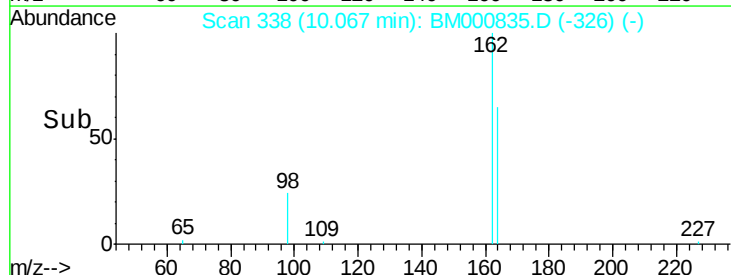
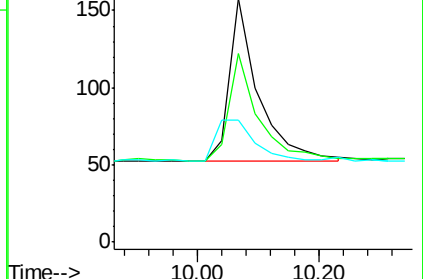
98 50.0 19.5 59.5

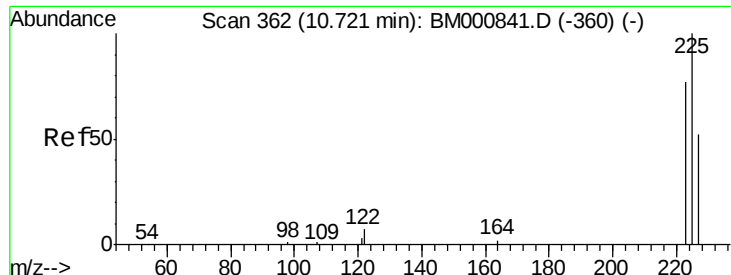


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM

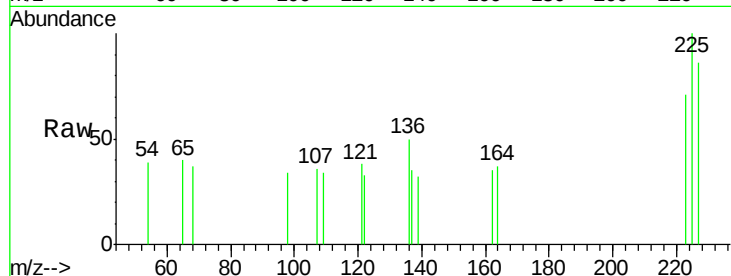




#17
Hexachlorobutadiene
Concen: 0.08 ng
RT: 10.75 min Scan# 363
Delta R.T. -0.00 min
Lab File: BM000835.D
Acq: 03 Apr 2015 10:06

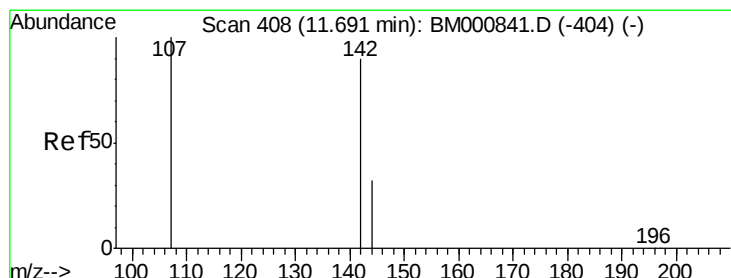
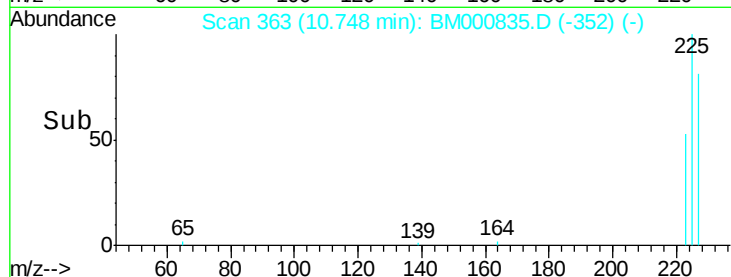
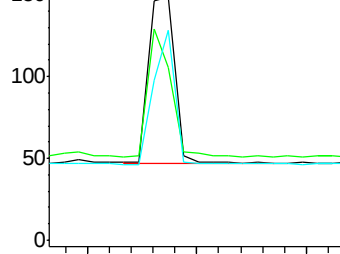
Instrument :
BNA_M
ClientSampleId :
MDL-04-W

Tot Ion:225 Resp: 345
Ion Ratio Lower Upper
225 100
223 71.1 40.8 61.2#
227 85.9 62.8 94.2



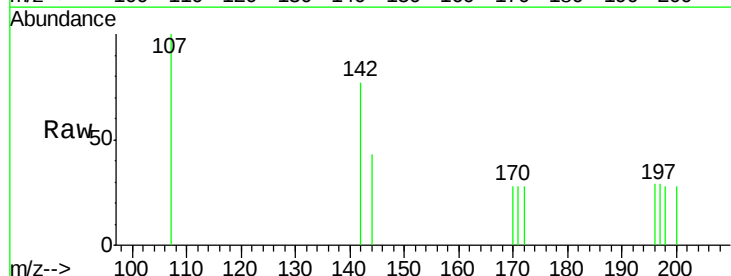
Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

10.75



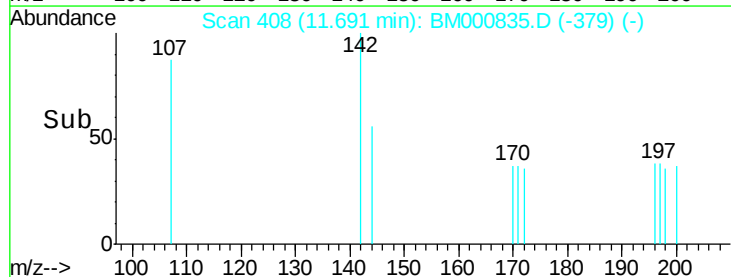
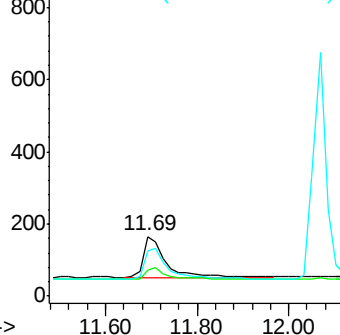
#18
4-Chloro-3-methylphenol
Concen: 0.07 ng
RT: 11.69 min Scan# 408
Delta R.T. -0.00 min
Lab File: BM000835.D
Acq: 03 Apr 2015 10:06

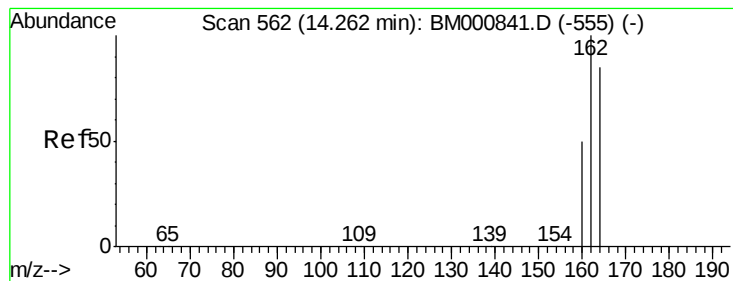
Tgt Ion:107 Resp: 417
Ion Ratio Lower Upper
107 100
144 43.0 25.8 38.8#
142 77.0 71.3 106.9



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

11.69





#19

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.28 min Scan# 563

Delta R.T. -0.00 min

Lab File: BM000835.D

Acq: 03 Apr 2015 10:06

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

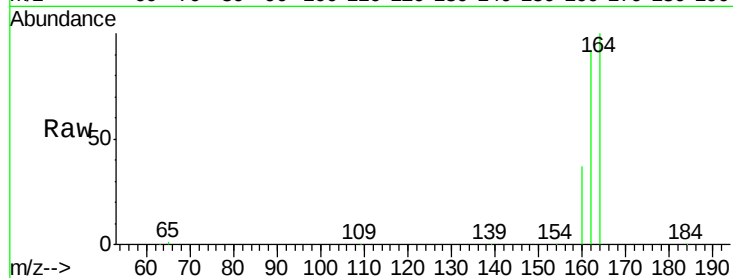
Tot Ion:164 Resp: 56032

Ion Ratio Lower Upper

164 100

162 92.3 74.2 111.2

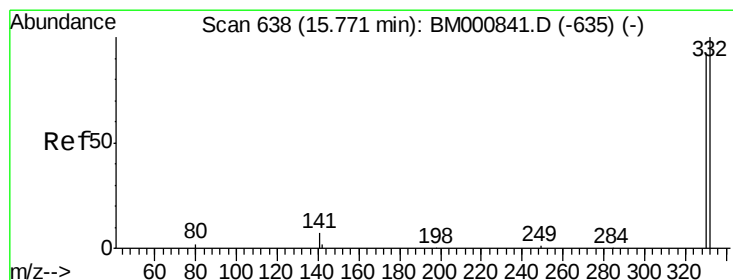
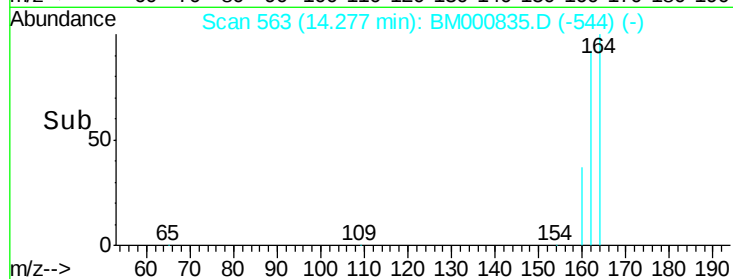
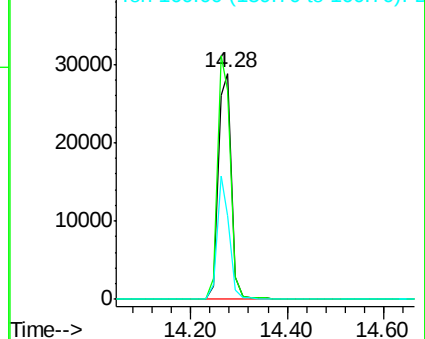
160 37.1 30.4 45.6



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: 9.30 ng

RT: 15.77 min Scan# 638

Delta R.T. 0.00 min

Lab File: BM000835.D

Acq: 03 Apr 2015 10:06

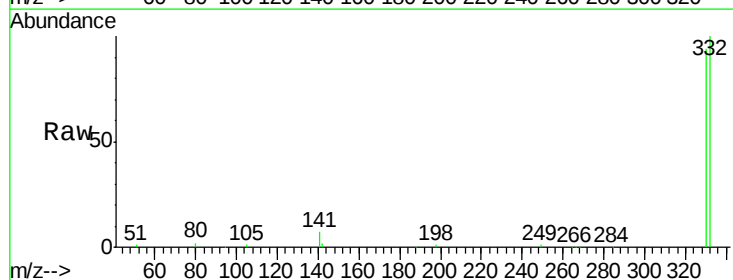
Tgt Ion:330 Resp: 22068

Ion Ratio Lower Upper

330 100

332 101.6 78.7 118.1

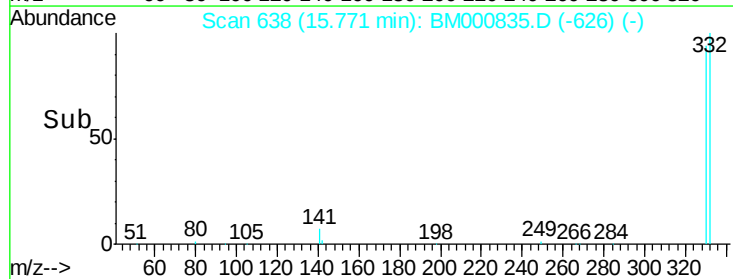
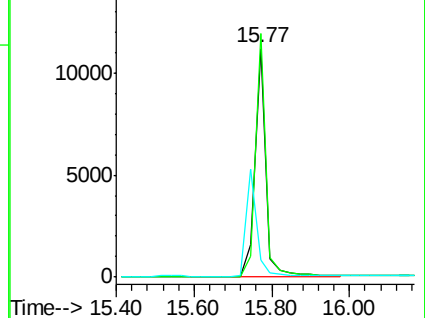
141 0.0 0.0 0.0

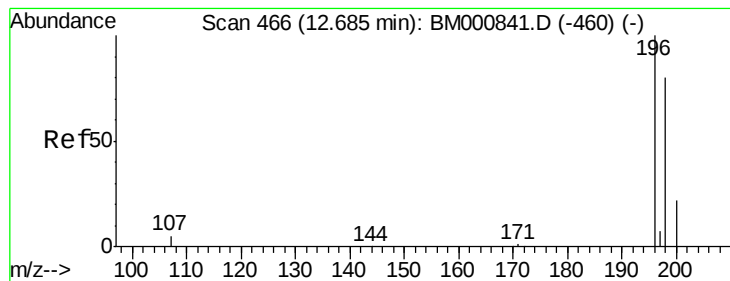


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

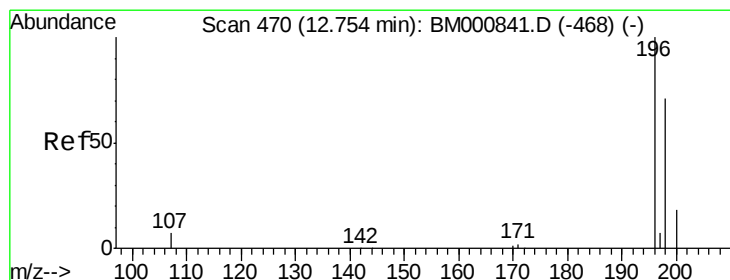
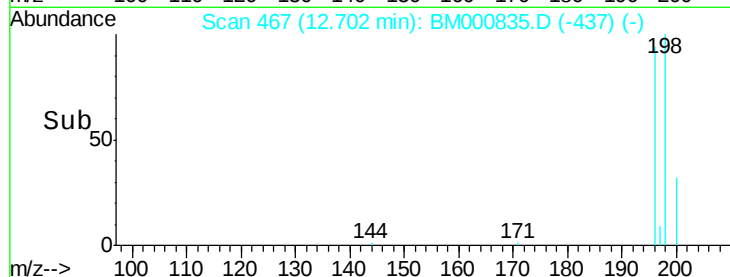
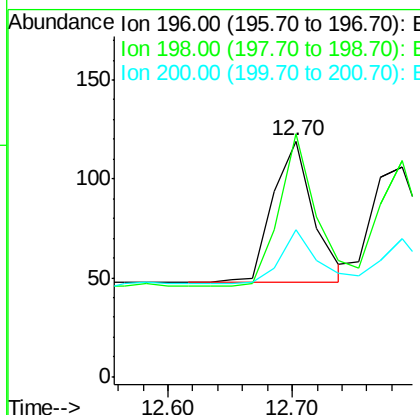
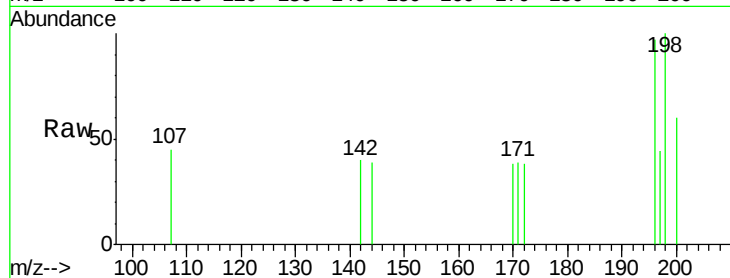




#21
 2,4,6-Trichlorophenol
 Concen: 0.16 ng
 RT: 12.70 min Scan# 467
 Delta R.T. 0.02 min
 Lab File: BM000835.D
 Acq: 03 Apr 2015 10:06

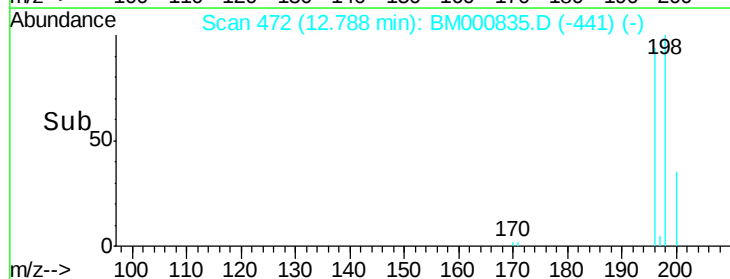
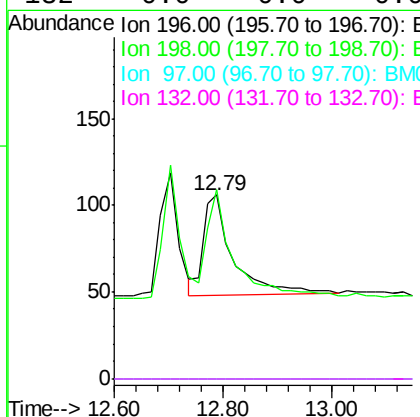
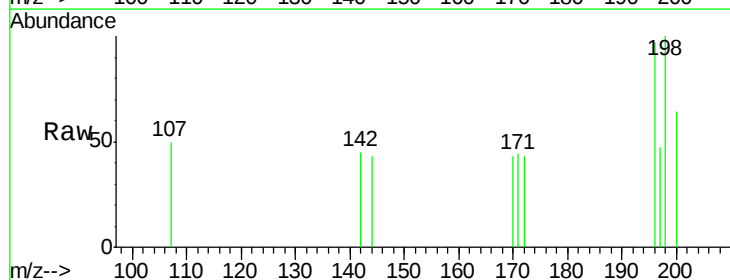
Instrument :
 BNA_M
 ClientSampleId :
 MDL-04-W

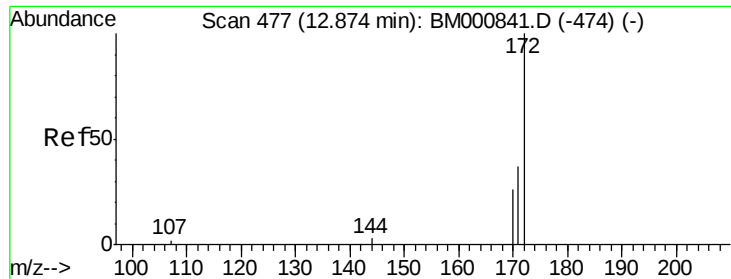
Tot Ion:196 Resp: 160
 Ion Ratio Lower Upper
 196 100
 198 103.4 59.5 89.3#
 200 62.2 17.4 26.0#



#22
 2,4,5-Trichlorophenol
 Concen: 0.10 ng
 RT: 12.79 min Scan# 472
 Delta R.T. 0.04 min
 Lab File: BM000835.D
 Acq: 03 Apr 2015 10:06

Tgt Ion:196 Resp: 223
 Ion Ratio Lower Upper
 196 100
 198 102.8 57.9 86.9#
 97 0.0 0.0 0.0
 132 0.0 0.0 0.0

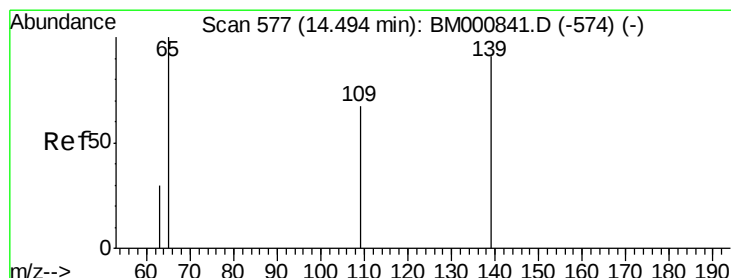
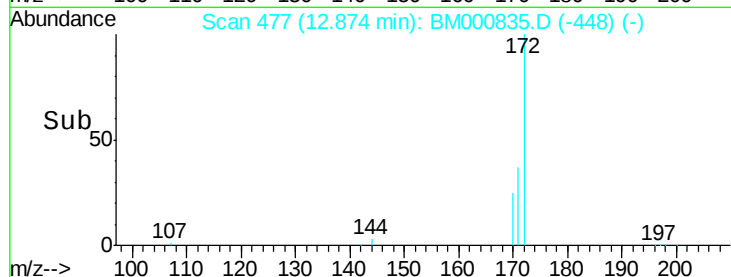
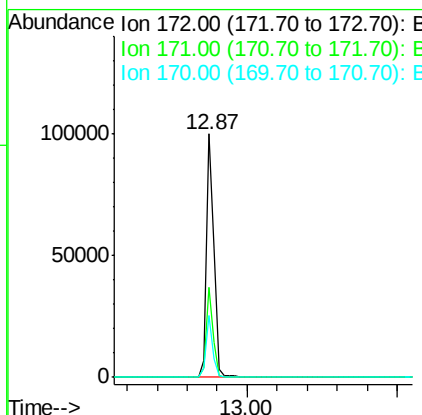
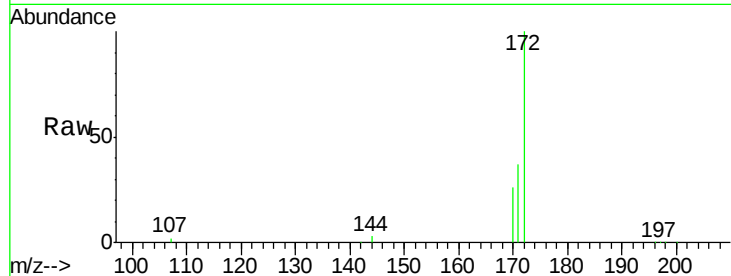




#23
2-Fluorobiphenyl
Concen: 9.94 ng
RT: 12.87 min Scan# 477
Delta R.T. -0.00 min
Lab File: BM000835.D
Acq: 03 Apr 2015 10:06

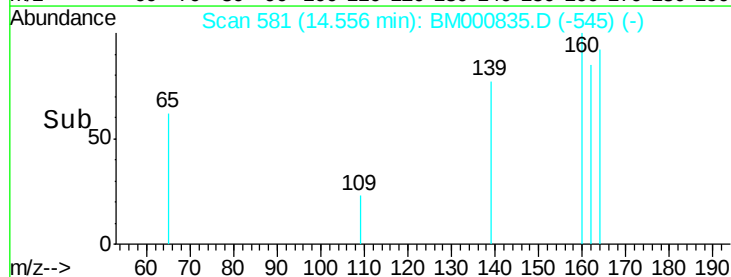
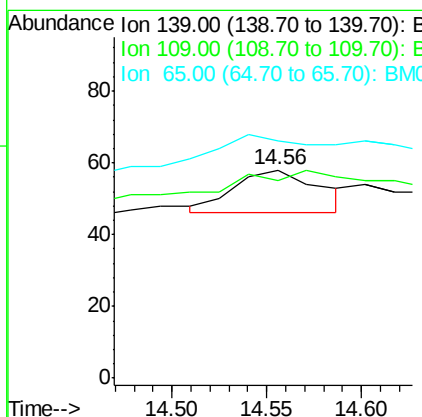
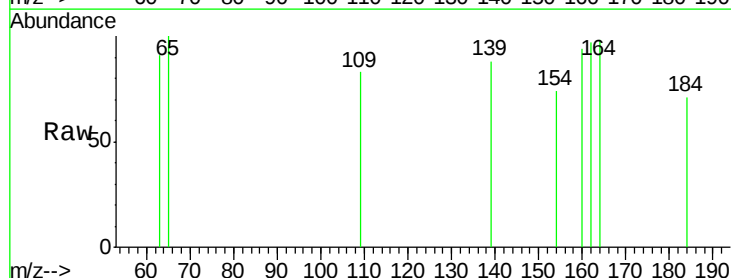
Instrument :
BNA_M
ClientSampleId :
MDL-04-W

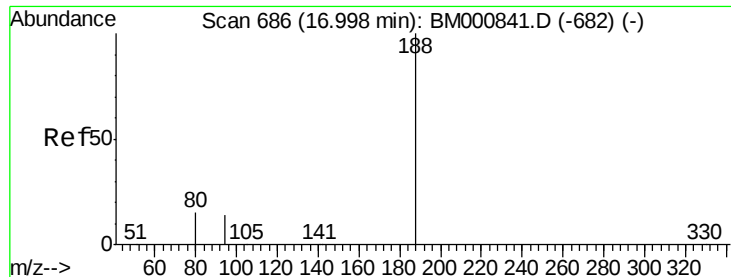
Tot Ion:172 Resp: 171591
Ion Ratio Lower Upper
172 100
171 36.9 30.6 46.0
170 25.5 22.2 33.2



#25
4-Nitrophenol
Concen: 0.25 ng m
RT: 14.56 min Scan# 581
Delta R.T. 0.06 min
Lab File: BM000835.D
Acq: 03 Apr 2015 10:06

Tgt Ion:139 Resp: 38
Ion Ratio Lower Upper
139 100
109 94.8 58.2 98.2
65 113.8 90.4 130.4

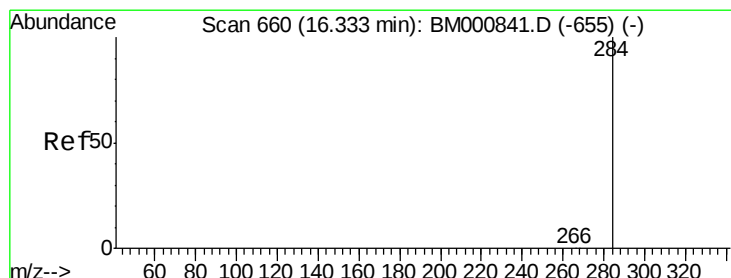
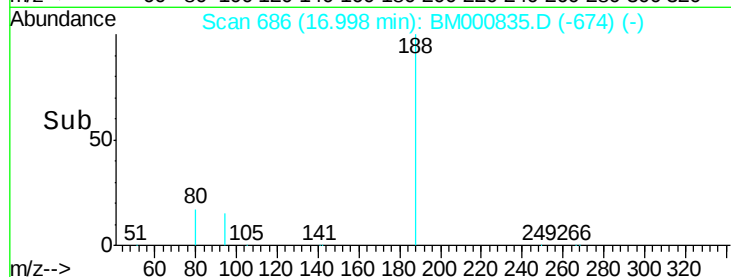
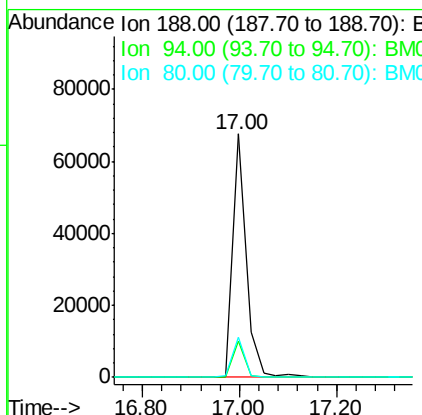
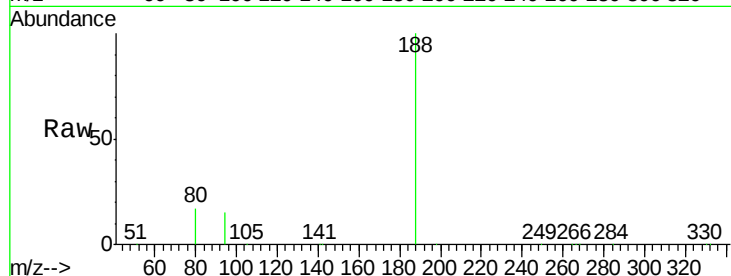




#26
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.00 min Scan# 686
Delta R.T. -0.00 min
Lab File: BM000835.D
Acq: 03 Apr 2015 10:06

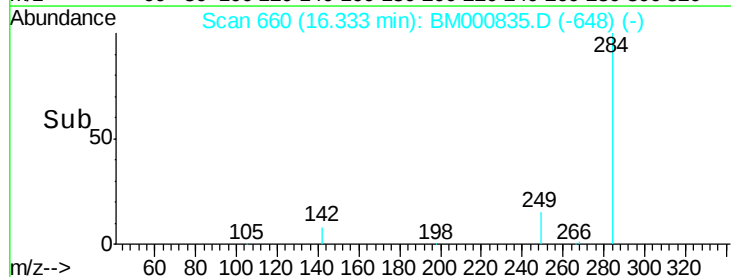
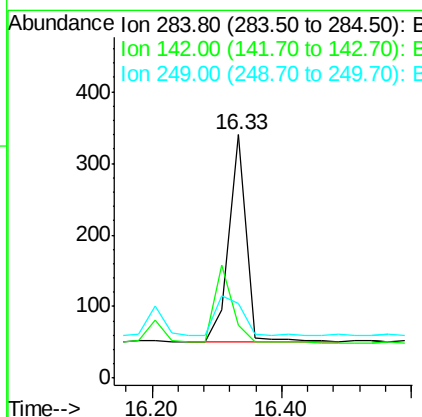
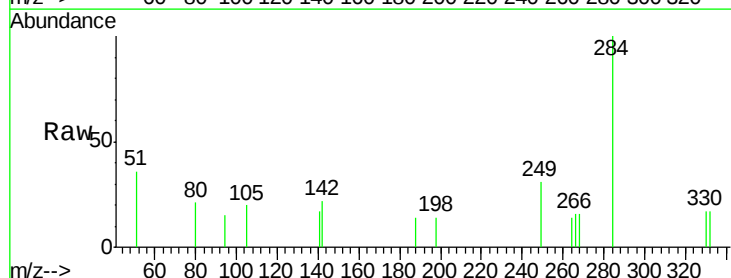
Instrument :
BNA_M
ClientSampleId :
MDL-04-W

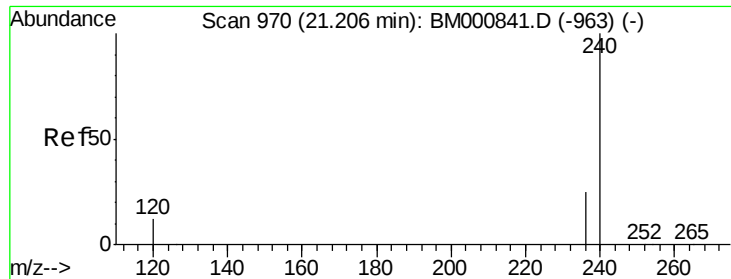
Tot Ion:188 Resp: 127679
Ion Ratio Lower Upper
188 100
94 15.0 13.0 19.6
80 16.6 14.7 22.1



#28
Hexachlorobenzene
Concen: 0.14 ng
RT: 16.33 min Scan# 660
Delta R.T. 0.00 min
Lab File: BM000835.D
Acq: 03 Apr 2015 10:06

Tgt Ion:284 Resp: 535
Ion Ratio Lower Upper
284 100
142 21.8 6.5 9.7#
249 30.6 12.6 18.8#

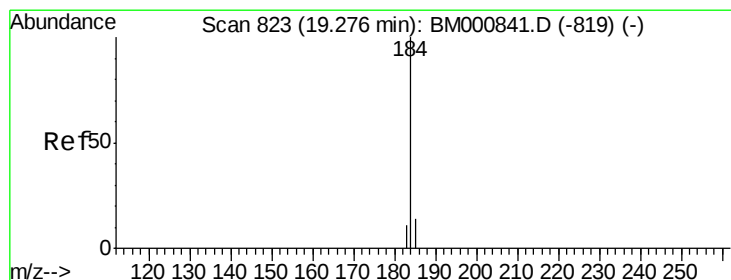
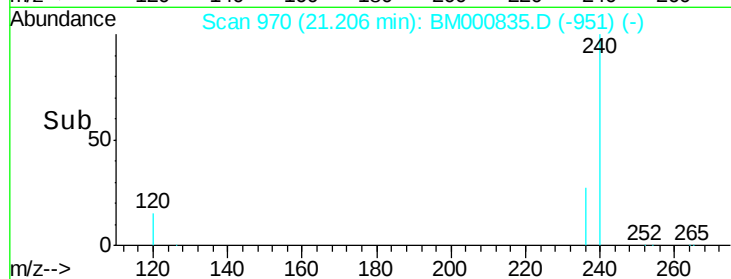
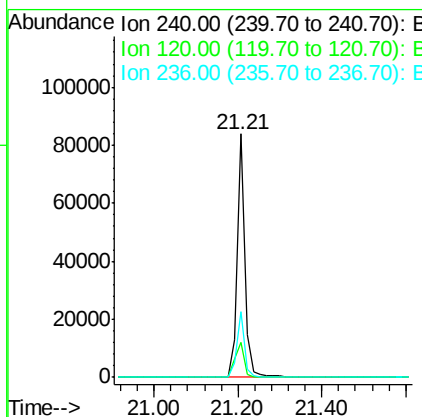
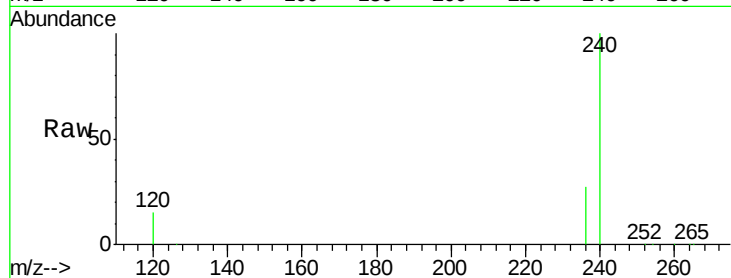




#30
Chrysene-d12
Concen: 5.00 ng
RT: 21.21 min Scan# 970
Delta R.T. -0.00 min
Lab File: BM000835.D
Acq: 03 Apr 2015 10:06

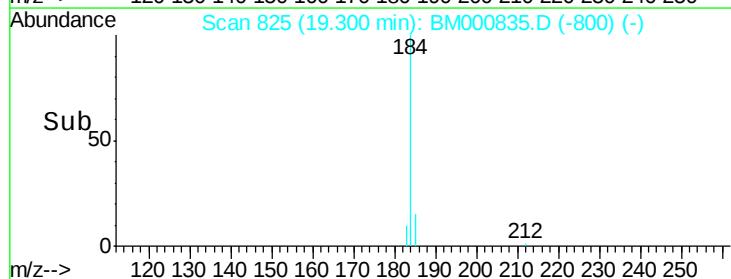
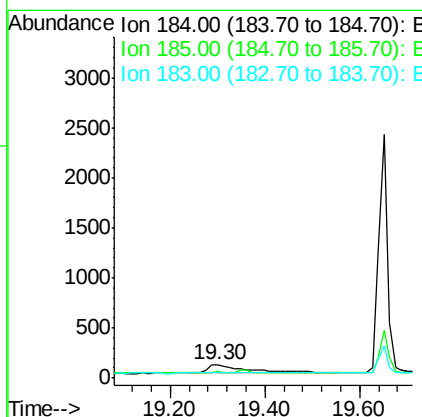
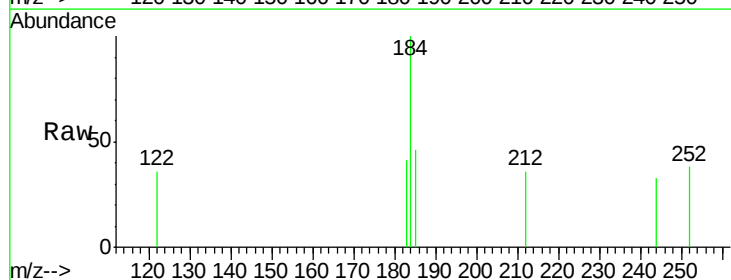
Instrument :
BNA_M
ClientSampleId :
MDL-04-W

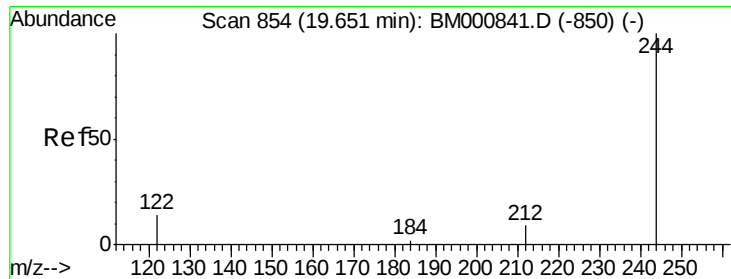
Tot Ion:240 Resp: 108855
Ion Ratio Lower Upper
240 100
120 14.6 11.3 16.9
236 27.1 21.1 31.7



#31
Benzidine
Concen: 0.24 ng
RT: 19.30 min Scan# 825
Delta R.T. 0.00 min
Lab File: BM000835.D
Acq: 03 Apr 2015 10:06

Tgt Ion:184 Resp: 544
Ion Ratio Lower Upper
184 100
185 45.7 39.1 58.7
183 41.3 36.1 54.1

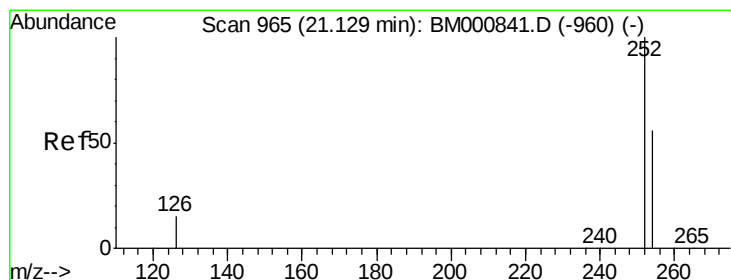
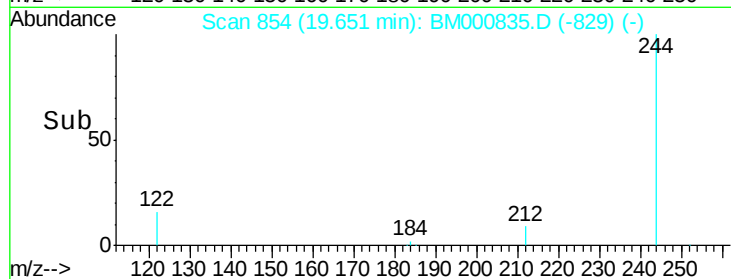
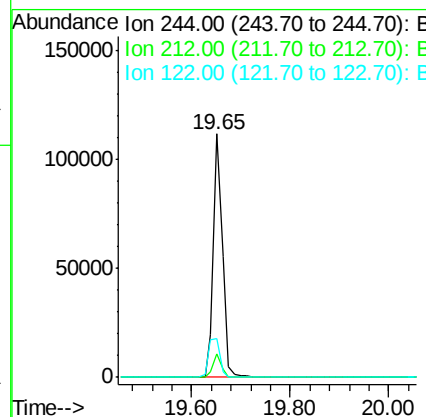
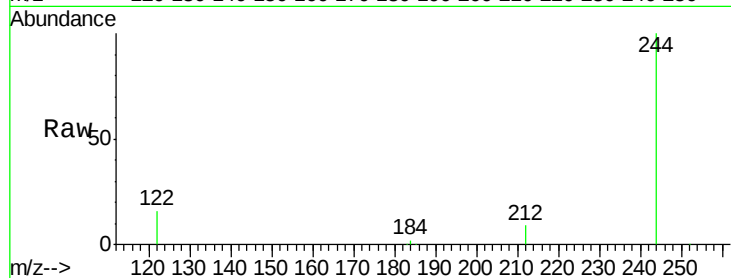




#32
 Terphenyl-d14
 Concen: 10.89 ng
 RT: 19.65 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: BM000835.D
 Acq: 03 Apr 2015 10:06

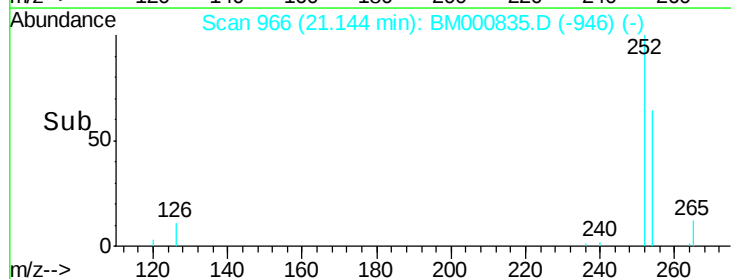
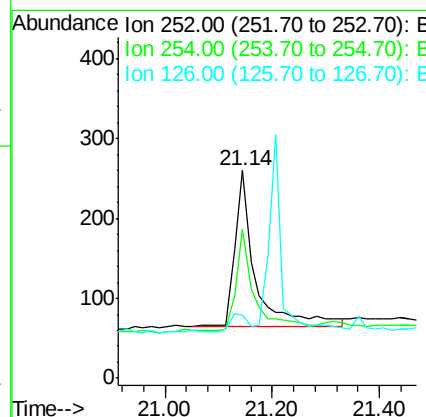
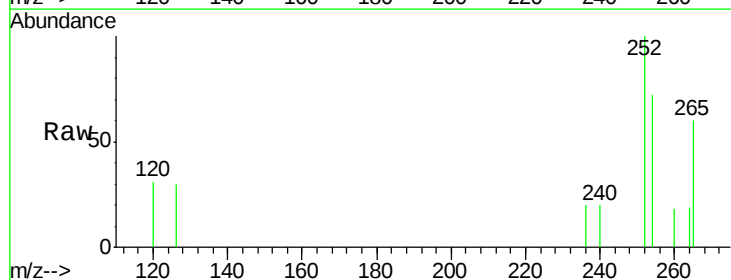
Instrument :
 BNA_M
 ClientSampleID :
 MDL-04-W

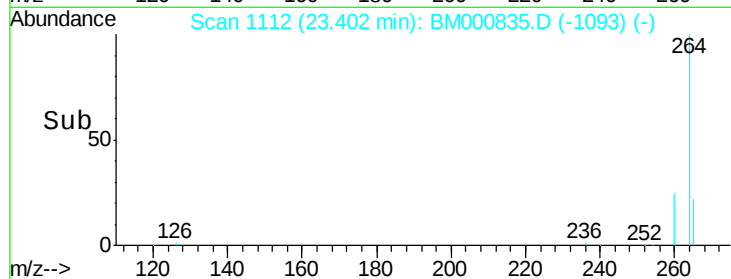
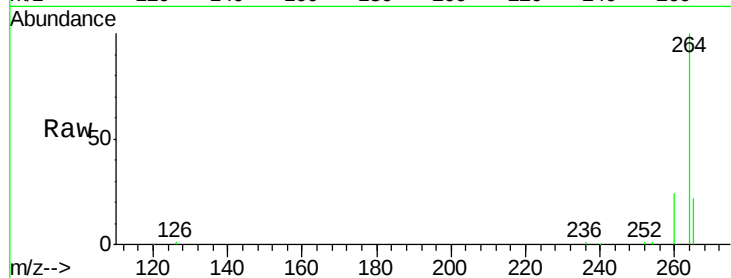
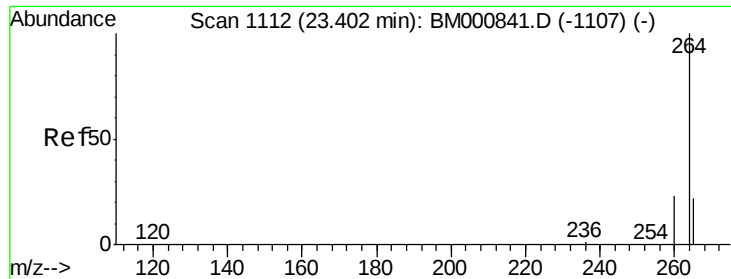
Tot Ion:244 Resp: 142707
 Ion Ratio Lower Upper
 244 100
 212 9.5 8.0 12.0
 122 15.9 14.7 22.1



#33
 3,3'-Dichlorobenzidine
 Concen: 0.25 ng
 RT: 21.14 min Scan# 966
 Delta R.T. 0.02 min
 Lab File: BM000835.D
 Acq: 03 Apr 2015 10:06

Tgt Ion:252 Resp: 526
 Ion Ratio Lower Upper
 252 100
 254 71.9 44.5 66.7#
 126 30.4 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: BM000835.D

Acq: 03 Apr 2015 10:06

Instrument :

BNA_M

ClientSampleId :

MDL-04-W

Tot Ion: 264 Resp: 99333

Ion Ratio Lower Upper

264 100

260 23.7 19.1 28.7

265 22.2 17.5 26.3

