

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040315\
 Data File : BM000836.D
 Acq On : 03 Apr 2015 10:42
 Operator : TP/IZ
 Sample : MDL-05-W
 Misc : MDL-WATER-0.1/0.2
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-05-W

Quant Time: Apr 03 18:49:21 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	23659	5.00	ng	0.00
11) Naphthalene-d8	10.39	136	113811	5.00	ng	0.00
19) Acenaphthene-d10	14.28	164	57226	5.00	ng	0.00
26) Phenanthrene-d10	17.00	188	123193	5.00	ng	0.00
30) Chrysene-d12	21.21	240	109560	5.00	ng	0.00
34) Perylene-d12	23.40	264	97307	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	85019	13.05	ng	0.00
5) Phenol-d6	6.77	99	144679	11.56	ng	0.00
12) Nitrobenzene-d5	8.77	82	38348	7.22	ng	0.00
20) 2,4,6-Tribromophenol	15.77	330	22802	9.41	ng	0.00
23) 2-Fluorobiphenyl	12.87	172	169511	9.61	ng	0.00
32) Terphenyl-d14	19.65	244	141013	10.69	ng	0.00

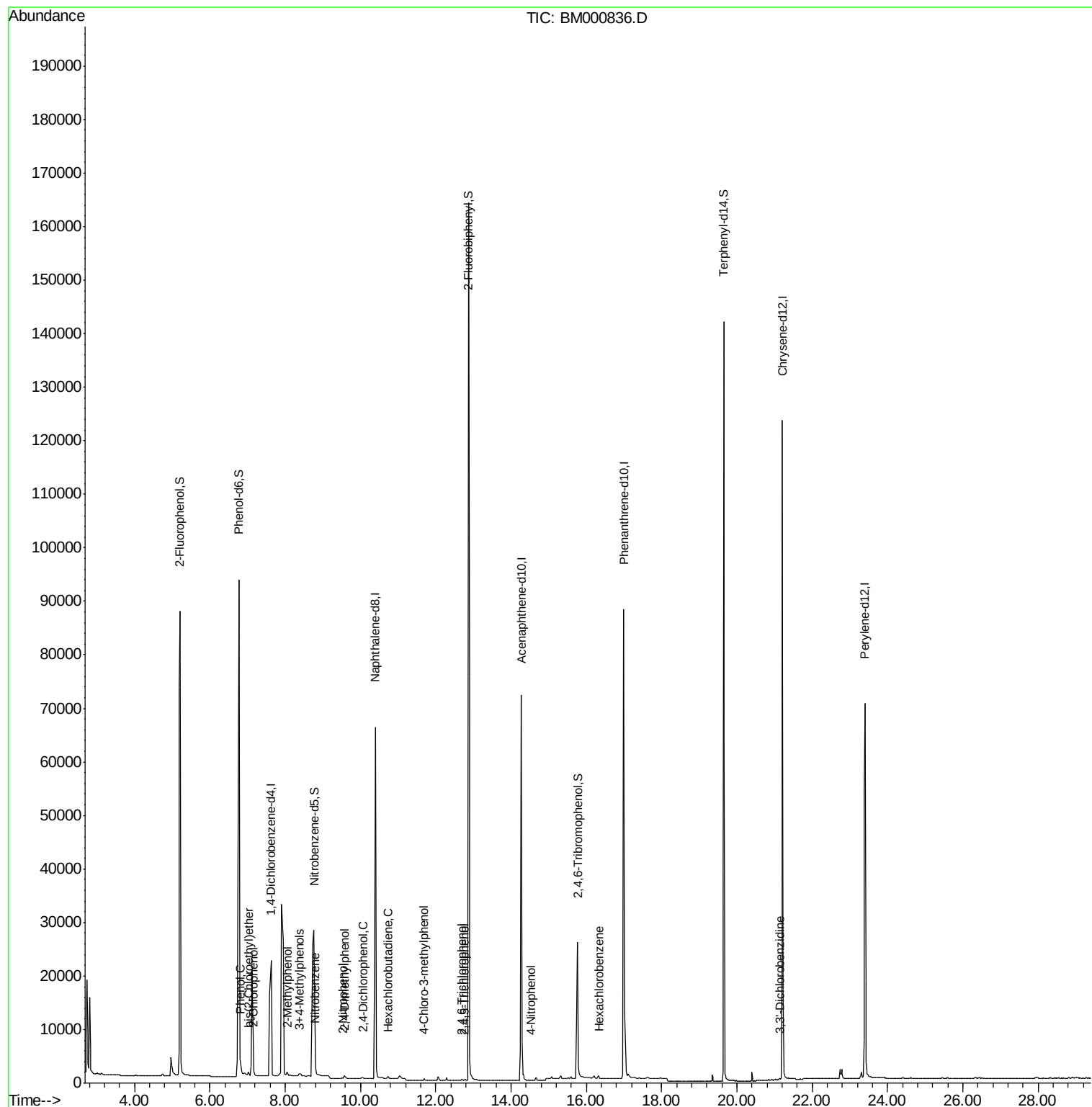
Target Compounds						Qvalue
6) 2-Chlorophenol	7.17	128	658	0.28	ng	82
7) Phenol	6.81	94	894	0.09	ng	61
8) bis(2-Chloroethyl)ether	7.02	93	592m	0.28	ng	
9) 2-Methylphenol	8.06	107	575	0.23	ng	# 76
10) 3+4-Methylphenols	8.38	107	586	0.19	ng	# 73
13) Nitrobenzene	8.80	77	697	0.11	ng	# 82
14) 2-Nitrophenol	9.52	139	348	0.24	ng	# 9
15) 2,4-Dimethylphenol	9.58	122	454	0.07	ng	# 76
16) 2,4-Dichlorophenol	10.07	162	381	0.27	ng	# 79
17) Hexachlorobutadiene	10.72	225	379	0.09	ng	# 68
18) 4-Chloro-3-methylphenol	11.69	107	427	0.07	ng	# 89
21) 2,4,6-Trichlorophenol	12.70	196	196	0.17	ng	# 54
22) 2,4,5-Trichlorophenol	12.77	196	263	0.11	ng	83
25) 4-Nitrophenol	14.52	139	68	0.27	ng	# 83
28) Hexachlorobenzene	16.33	284	588	0.15	ng	# 69
33) 3,3'-Dichlorobenzidine	21.14	252	446	0.24	ng	# 67

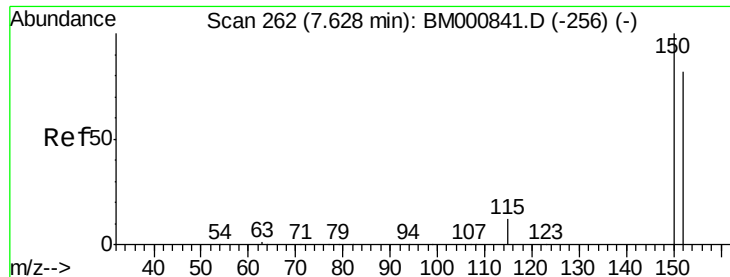
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040315\
Data File : BM000836.D
Acq On : 03 Apr 2015 10:42
Operator : TP/IZ
Sample : MDL-05-W
Misc : MDL-WATER-0.1/0.2
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-05-W

Quant Time: Apr 03 18:49:21 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



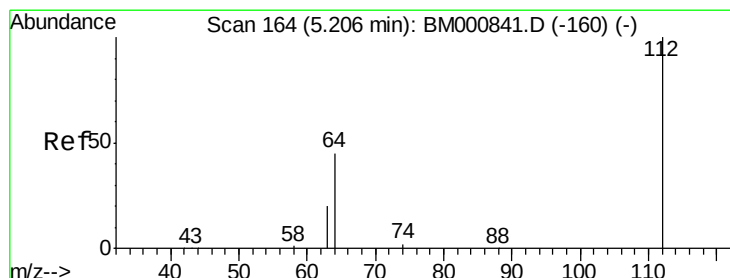
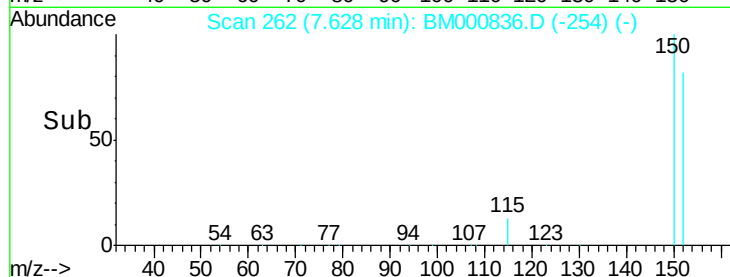
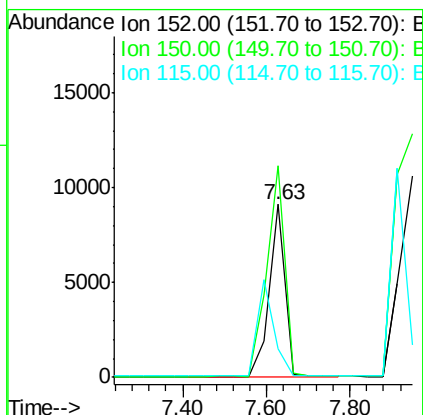
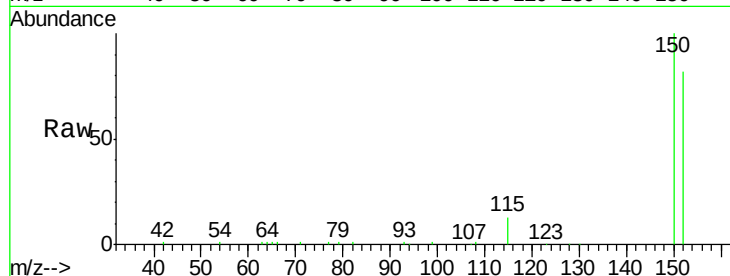


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.63 min Scan# 262
Delta R.T. -0.00 min
Lab File: BM000836.D
Acq: 03 Apr 2015 10:42

Instrument :
BNA_M
ClientSampleId :
MDL-05-W

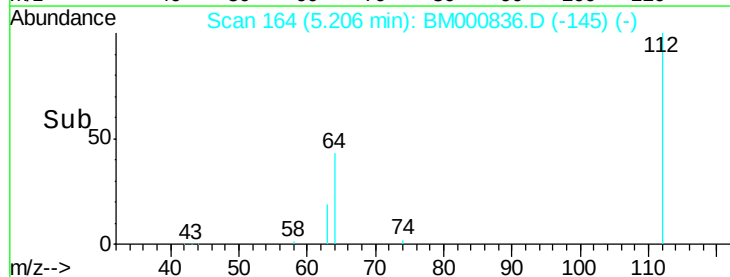
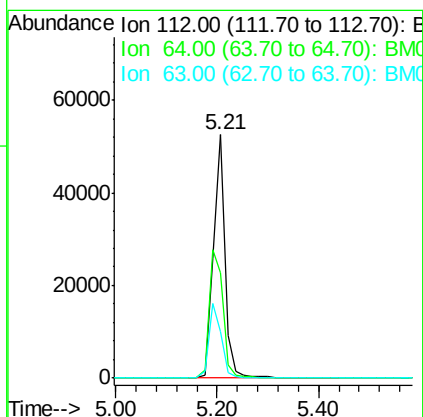
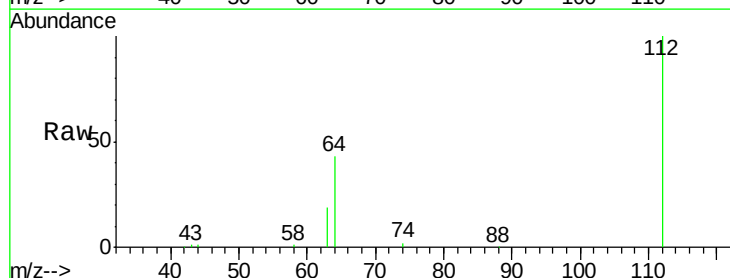
Tot Ion:152 Resp: 23659
Ion Ratio Lower Upper
152 100
150 122.4 99.8 149.6
115 16.3 13.5 20.3

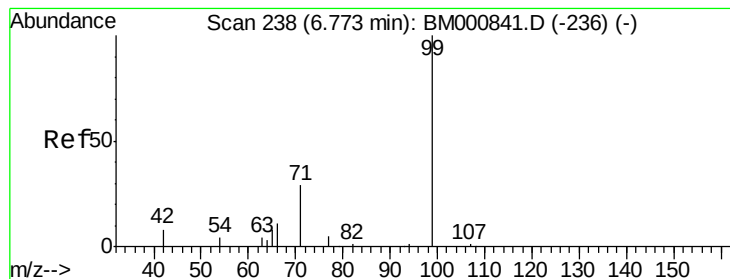


#4

2-Fluorophenol
Concen: 13.05 ng
RT: 5.21 min Scan# 164
Delta R.T. -0.00 min
Lab File: BM000836.D
Acq: 03 Apr 2015 10:42

Tgt Ion:112 Resp: 85019
Ion Ratio Lower Upper
112 100
64 43.1 40.3 60.5
63 19.0 19.0 28.4





#5

Phenol-d6

Concen: 11.56 ng

RT: 6.77 min Scan# 238

Delta R.T. 0.00 min

Lab File: BM000836.D

Acq: 03 Apr 2015 10:42

Instrument :

BNA_M

ClientSampled :

MDL-05-W

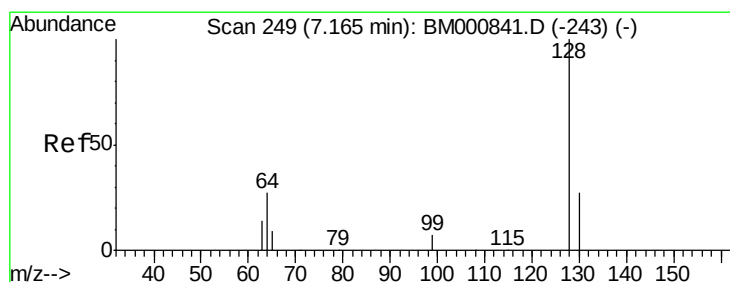
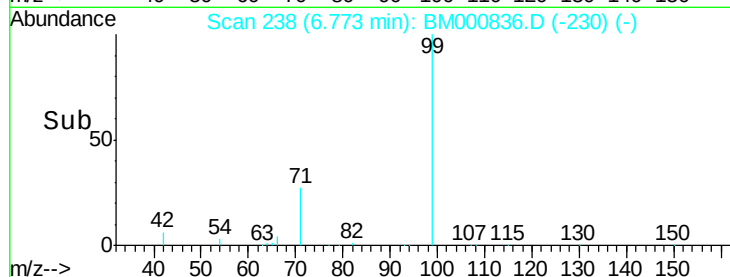
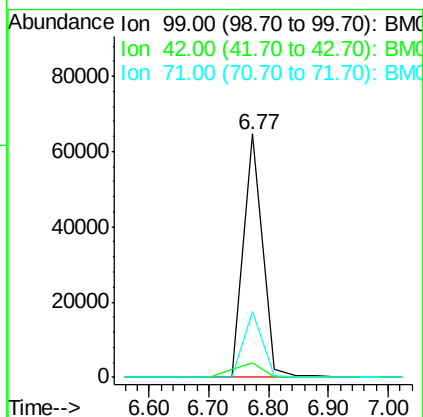
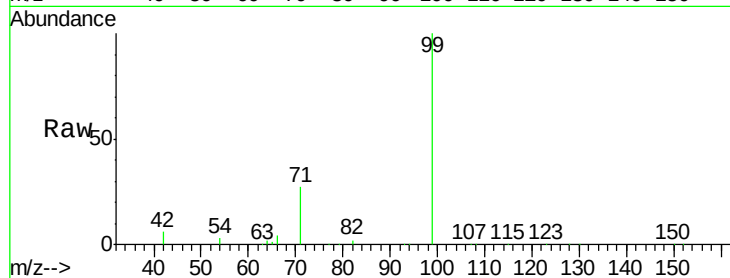
Tot Ion: 99 Resp: 144679

Ion Ratio Lower Upper

99 100

42 5.8 10.2 15.4#

71 27.2 28.6 43.0#



#6

2-Chlorophenol

Concen: 0.28 ng

RT: 7.17 min Scan# 249

Delta R.T. 0.00 min

Lab File: BM000836.D

Acq: 03 Apr 2015 10:42

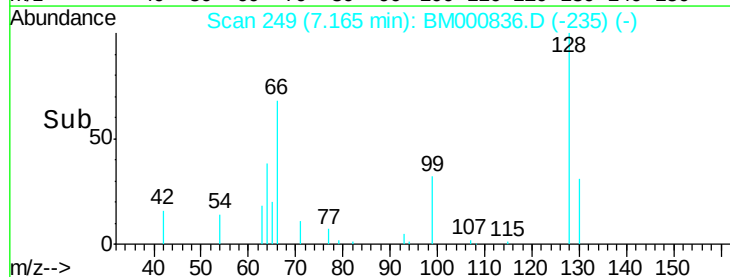
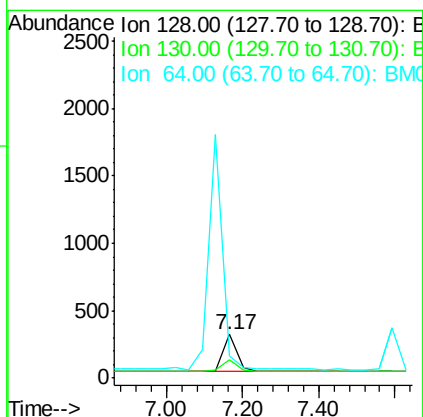
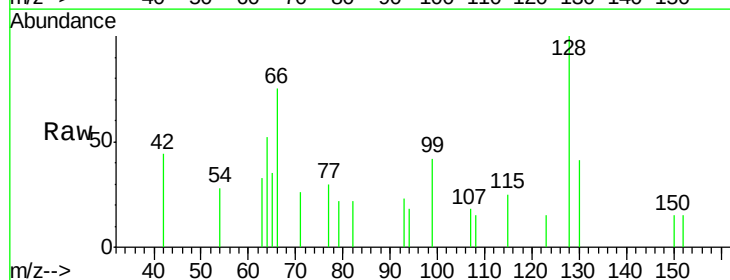
Tgt Ion: 128 Resp: 658

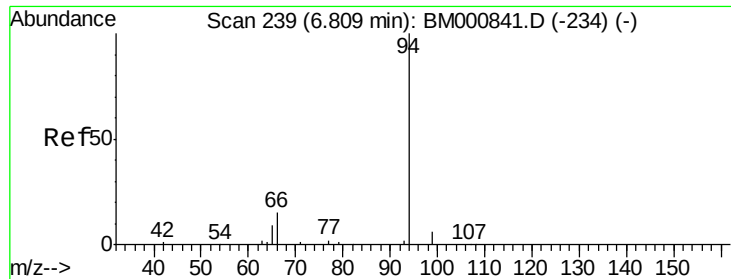
Ion Ratio Lower Upper

128 100

130 41.2 7.6 47.6

64 51.7 23.1 63.1





#7

Phenol

Concen: 0.09 ng

RT: 6.81 min Scan# 239

Delta R.T. -0.00 min

Lab File: BM000836.D

Acq: 03 Apr 2015 10:42

Instrument :

BNA_M

ClientSampleId :

MDL-05-W

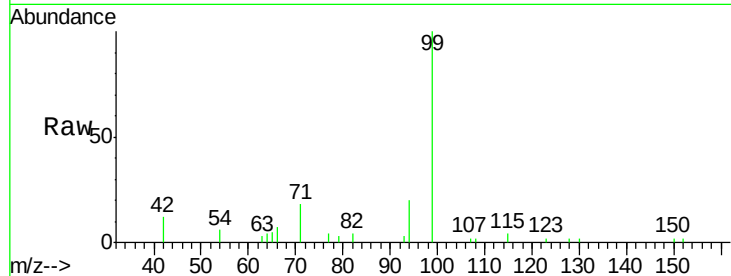
Tot Ion: 94 Resp: 894

Ion Ratio Lower Upper

94 100

65 23.5 0.0 32.0

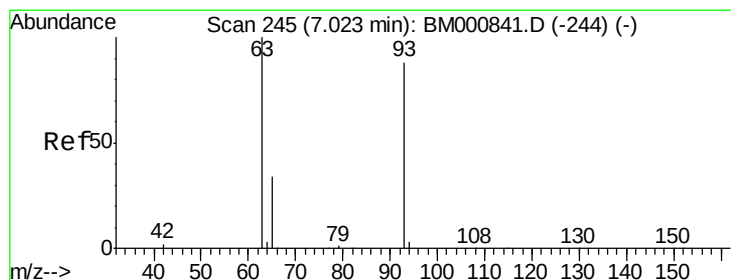
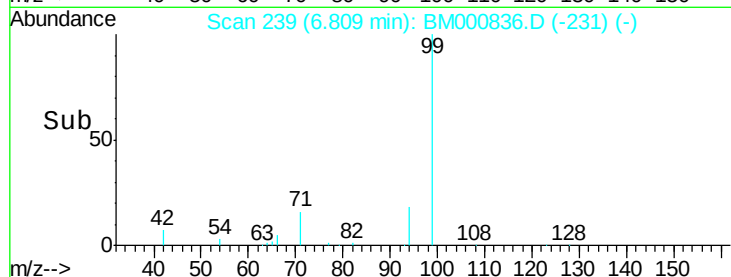
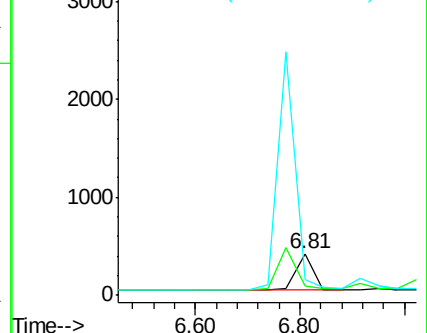
66 37.4 0.0 37.6



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: BM000836.D

Acq: 03 Apr 2015 10:42

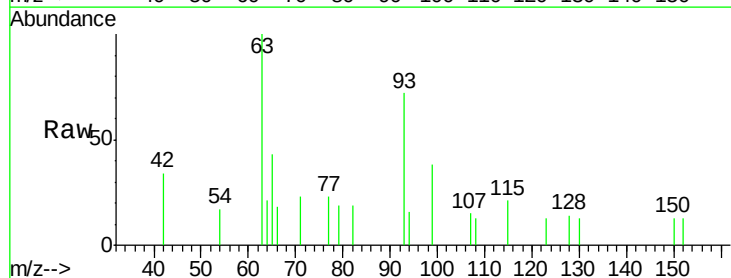
Tgt Ion: 93 Resp: 592

Ion Ratio Lower Upper

93 100

63 138.6 118.9 158.9

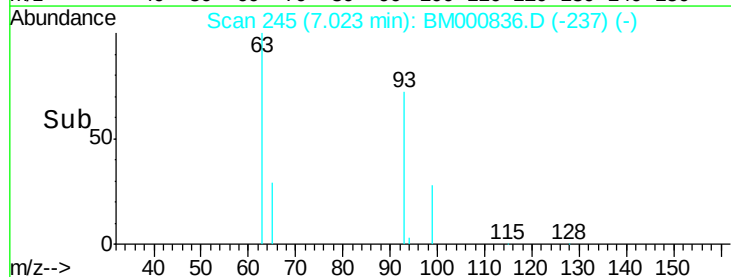
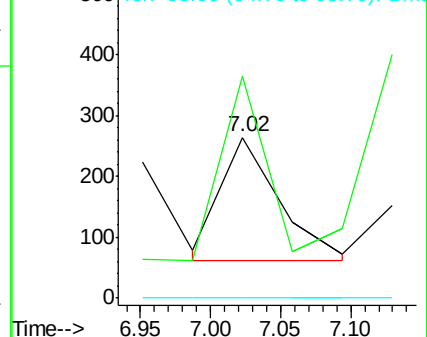
95 0.0 0.0 20.0

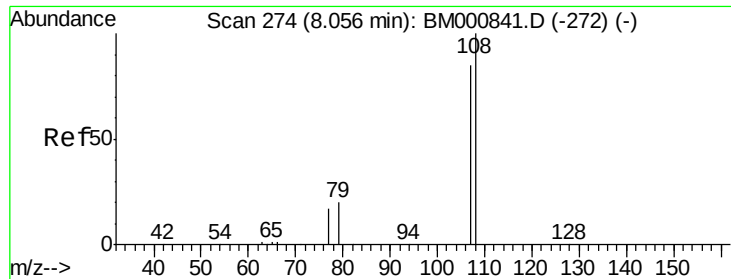


Abundance Ion 93.00 (92.70 to 93.70): BM000841.D (-244) (-)

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

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

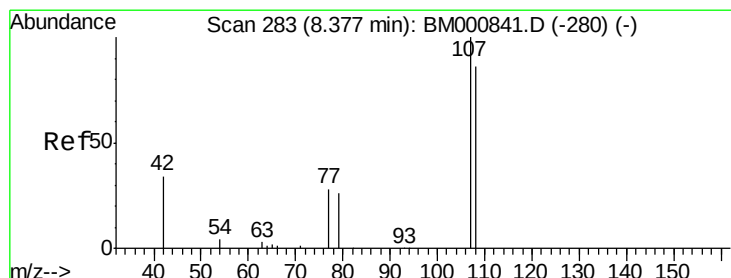
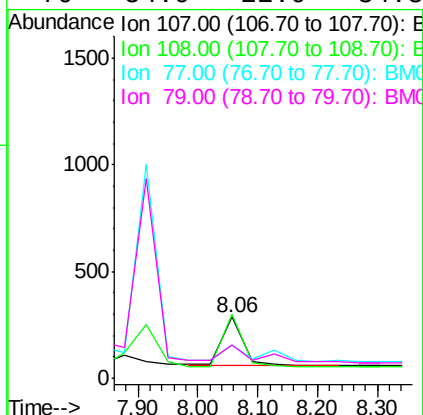
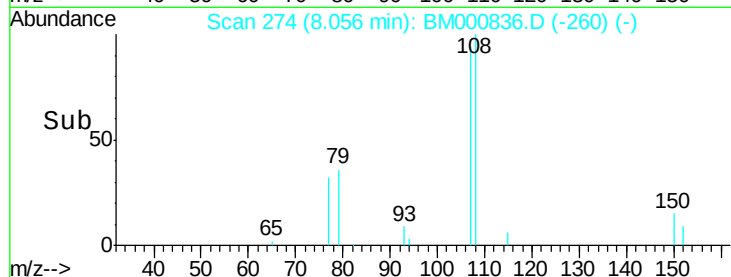
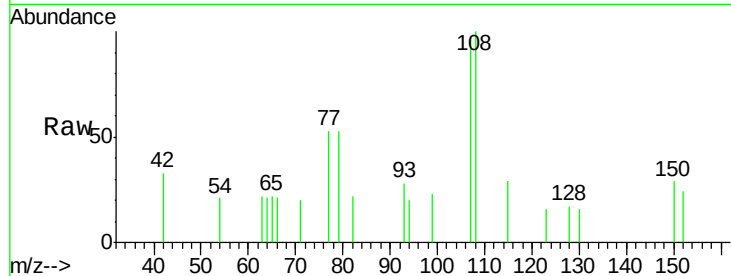




#9
2-Methylphenol
Concen: 0.23 ng
RT: 8.06 min Scan# 274
Delta R.T. -0.00 min
Lab File: BM000836.D
Acq: 03 Apr 2015 10:42

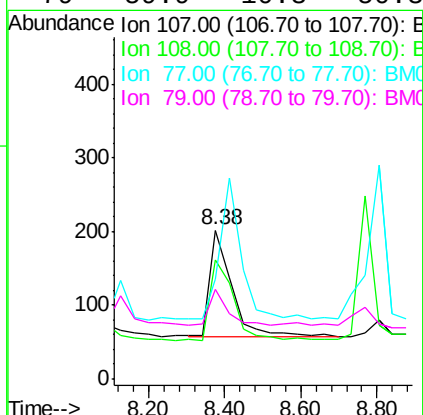
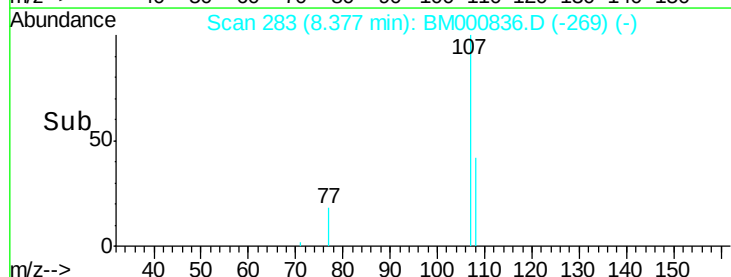
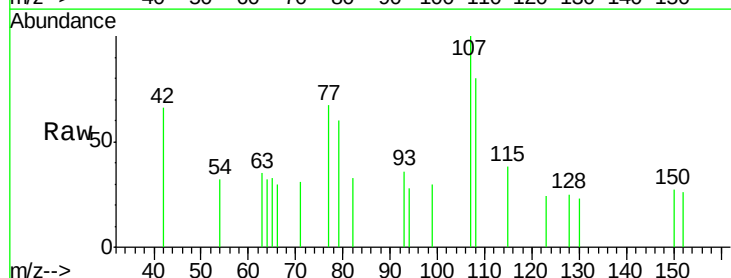
Instrument :
BNA_M
ClientSampleId :
MDL-05-W

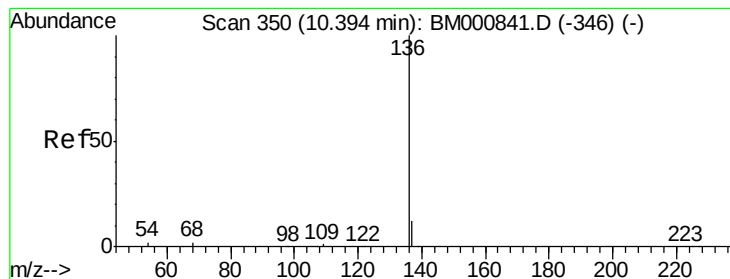
Tot Ion	Ratio	Lower	Upper
107	100		
108	103.5	92.0	138.0
77	54.9	20.6	31.0#
79	54.9	22.9	34.3#



#10
3+4-Methylphenols
Concen: 0.19 ng
RT: 8.38 min Scan# 283
Delta R.T. 0.00 min
Lab File: BM000836.D
Acq: 03 Apr 2015 10:42

Tgt Ion	Ratio	Lower	Upper
107	100		
108	79.7	62.6	102.6
77	67.3	12.8	52.8#
79	59.9	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: BM000836.D

Acq: 03 Apr 2015 10:42

Instrument :

BNA_M

ClientSampleId :

MDL-05-W

Tot Ion:136 Resp: 113811

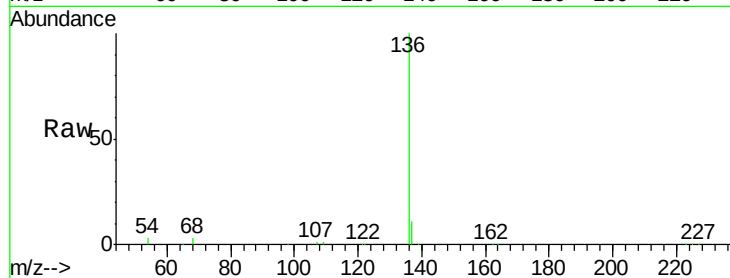
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 2.7 2.2 3.4

68 2.6 2.2 3.2

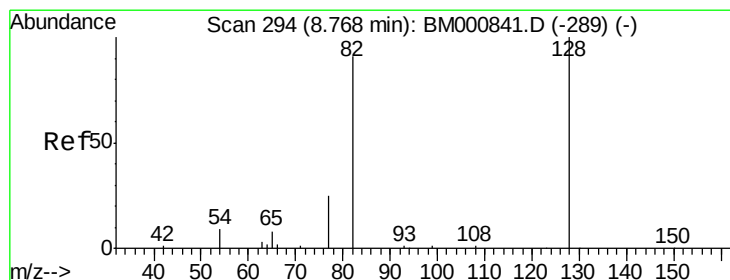
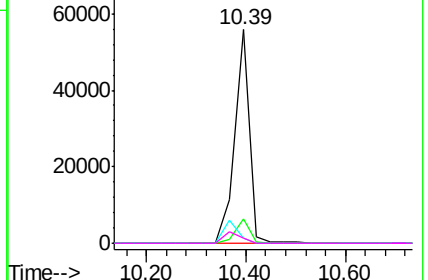
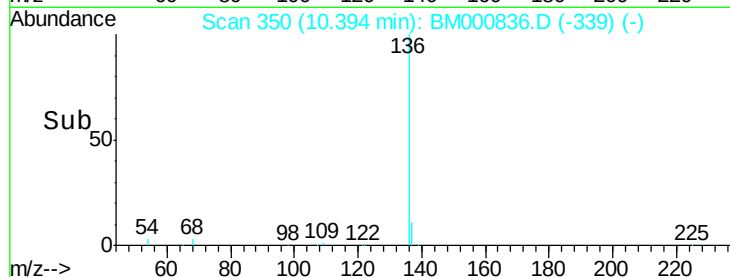


Abundance Ion 136.00 (135.70 to 136.70): E

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: 7.22 ng

RT: 8.77 min Scan# 294

Delta R.T. -0.00 min

Lab File: BM000836.D

Acq: 03 Apr 2015 10:42

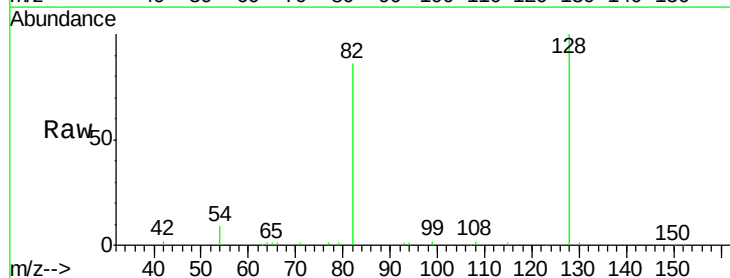
Tgt Ion: 82 Resp: 38348

Ion Ratio Lower Upper

82 100

128 116.3 72.5 108.7#

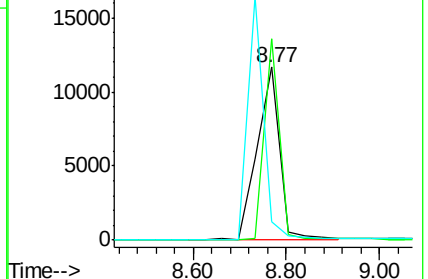
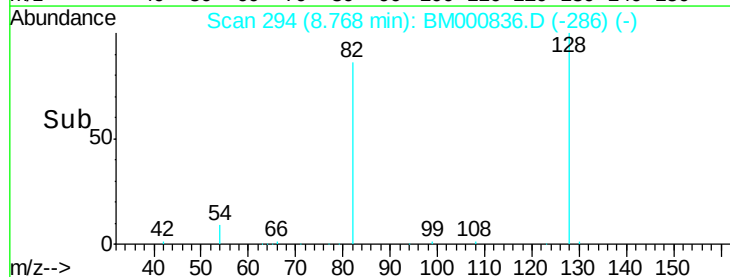
54 10.7 11.8 17.8#

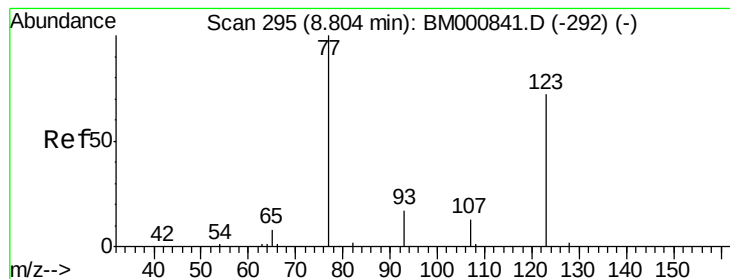


Abundance Ion 82.00 (81.70 to 82.70): BM

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: BM000836.D

Acq: 03 Apr 2015 10:42

Instrument :

BNA_M

ClientSampleId :

MDL-05-W

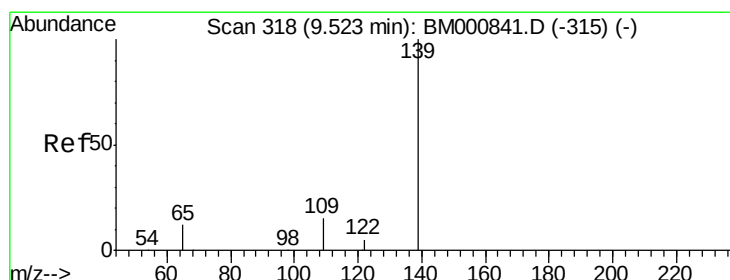
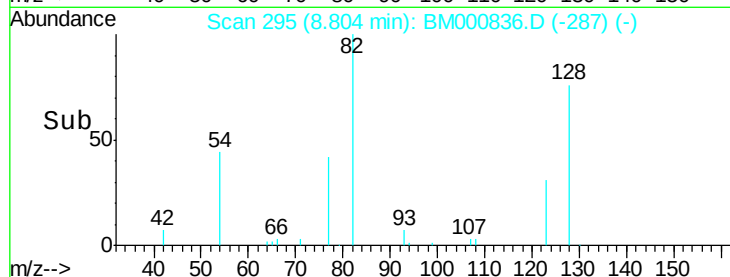
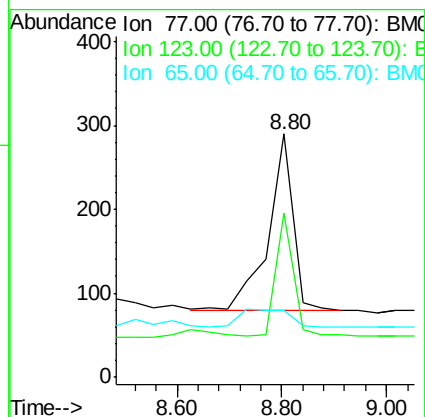
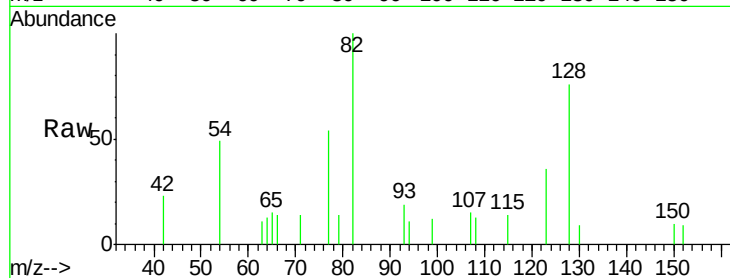
Tot Ion: 77 Resp: 697

Ion Ratio Lower Upper

77 100

123 67.2 45.8 68.6

65 27.2 8.2 12.4#



#14

2-Nitrophenol

Concen: 0.24 ng

RT: 9.52 min Scan# 318

Delta R.T. 0.00 min

Lab File: BM000836.D

Acq: 03 Apr 2015 10:42

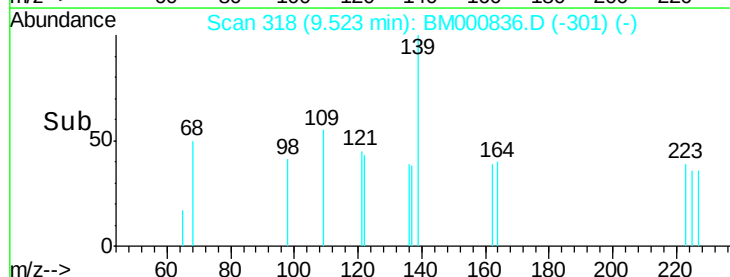
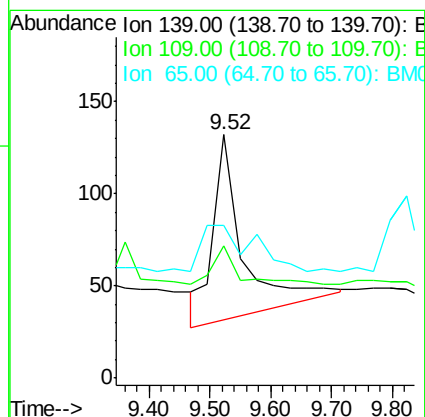
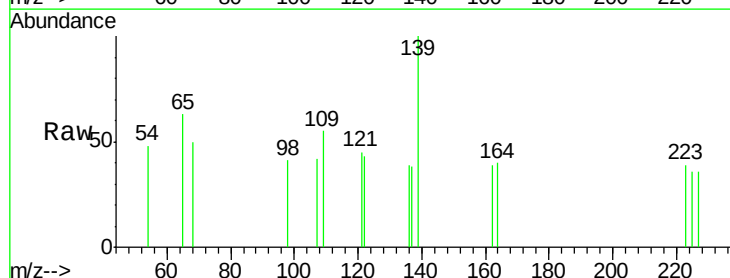
Tgt Ion: 139 Resp: 348

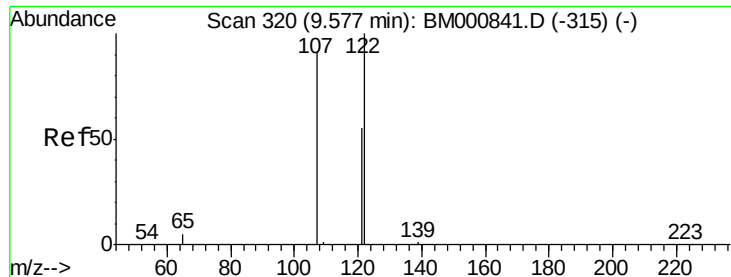
Ion Ratio Lower Upper

139 100

109 54.5 15.0 22.6#

65 62.9 14.2 21.4#

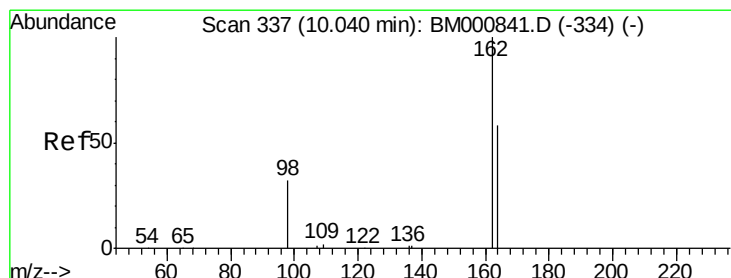
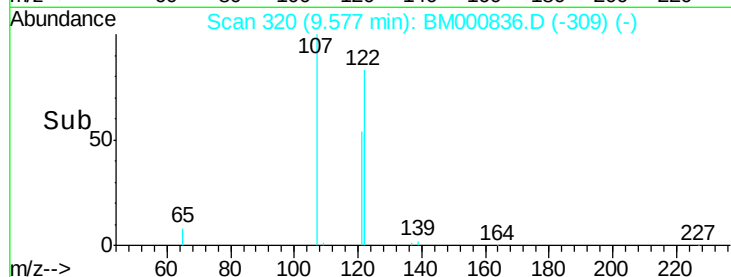
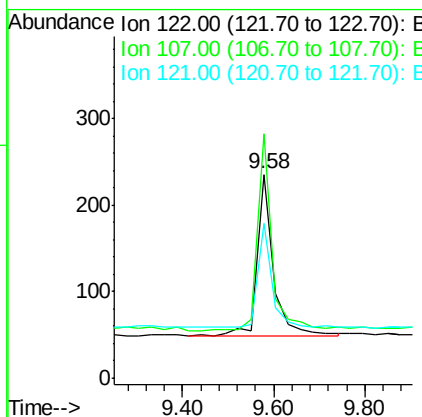
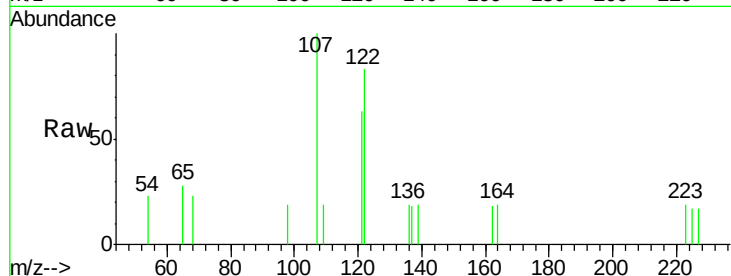




#15
 2,4-Dimethylphenol
 Concen: 0.07 ng
 RT: 9.58 min Scan# 320
 Delta R.T. -0.00 min
 Lab File: BM000836.D
 Acq: 03 Apr 2015 10:42

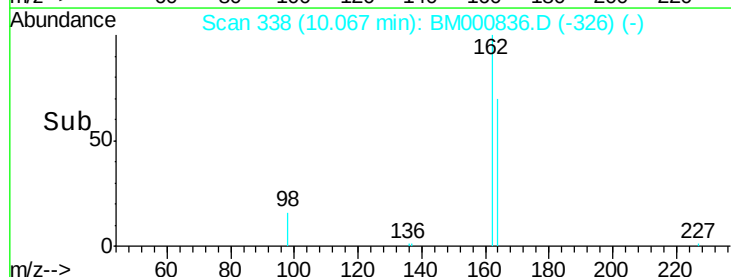
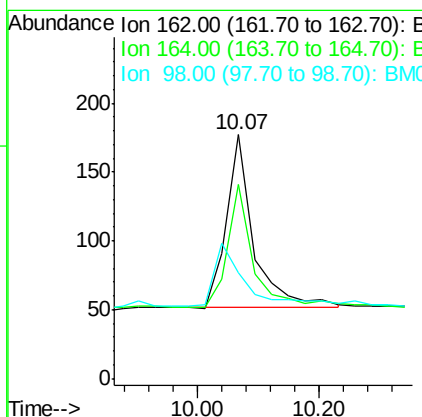
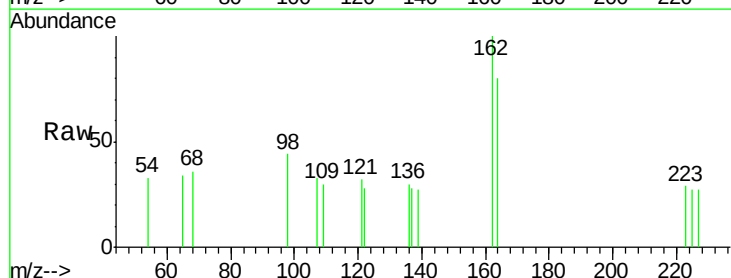
Instrument :
 BNA_M
 ClientSampleId :
 MDL-05-W

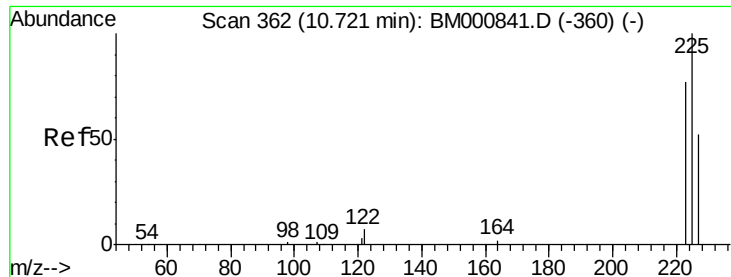
Tot Ion:122 Resp: 454
 Ion Ratio Lower Upper
 122 100
 107 120.0 78.2 117.4#
 121 75.7 45.4 68.0#



#16
 2,4-Dichlorophenol
 Concen: 0.27 ng
 RT: 10.07 min Scan# 338
 Delta R.T. 0.03 min
 Lab File: BM000836.D
 Acq: 03 Apr 2015 10:42

Tgt Ion:162 Resp: 381
 Ion Ratio Lower Upper
 162 100
 164 79.7 37.1 77.1#
 98 43.5 19.5 59.5

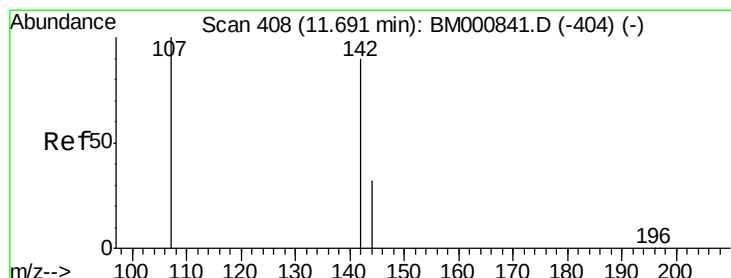
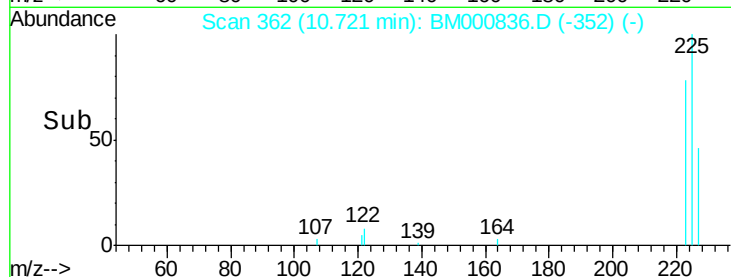
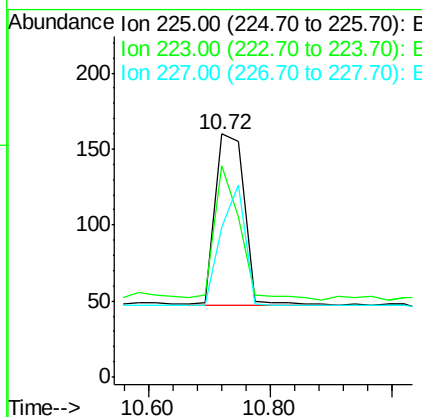
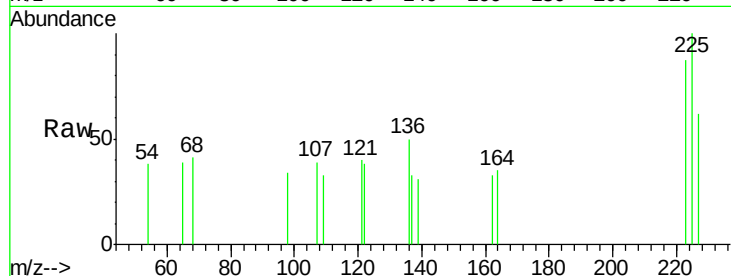




#17
Hexachlorobutadiene
Concen: 0.09 ng
RT: 10.72 min Scan# 362
Delta R.T. -0.03 min
Lab File: BM000836.D
Acq: 03 Apr 2015 10:42

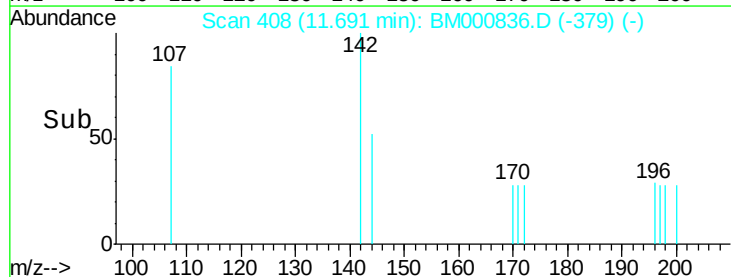
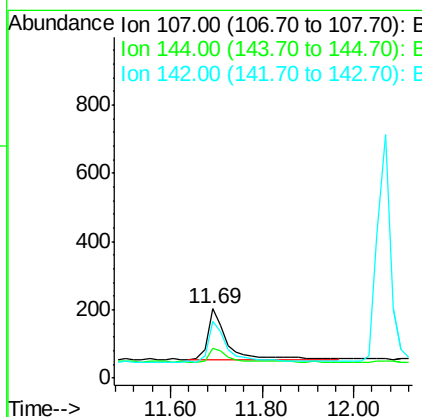
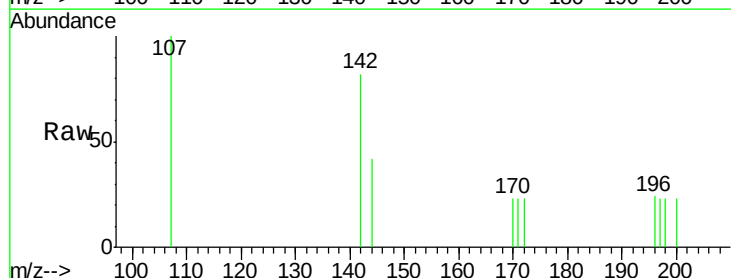
Instrument :
BNA_M
ClientSampleId :
MDL-05-W

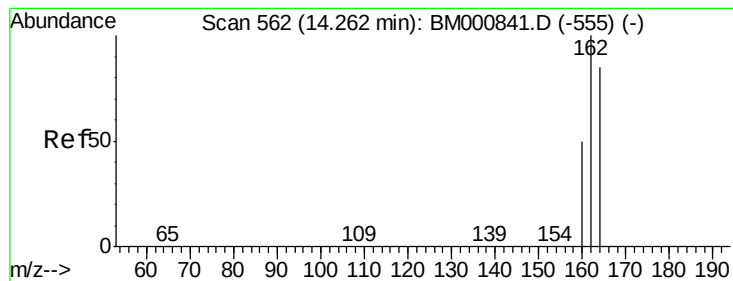
Tot Ion:225 Resp: 379
Ion Ratio Lower Upper
225 100
223 86.9 40.8 61.2#
227 61.9 62.8 94.2#



#18
4-Chloro-3-methylphenol
Concen: 0.07 ng
RT: 11.69 min Scan# 408
Delta R.T. -0.00 min
Lab File: BM000836.D
Acq: 03 Apr 2015 10:42

Tgt Ion:107 Resp: 427
Ion Ratio Lower Upper
107 100
144 42.4 25.8 38.8#
142 81.8 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: BM000836.D

Acq: 03 Apr 2015 10:42

Instrument :

BNA_M

ClientSampleID :

MDL-05-W

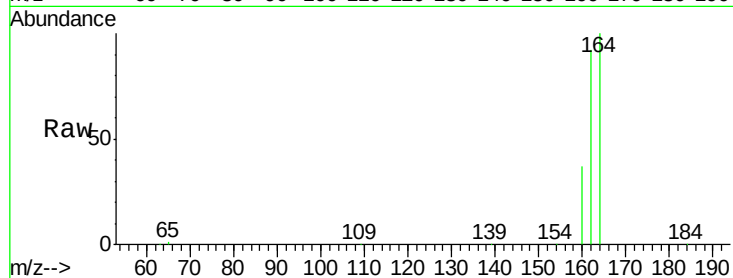
Tot Ion:164 Resp: 57226

Ion Ratio Lower Upper

164 100

162 91.6 74.2 111.2

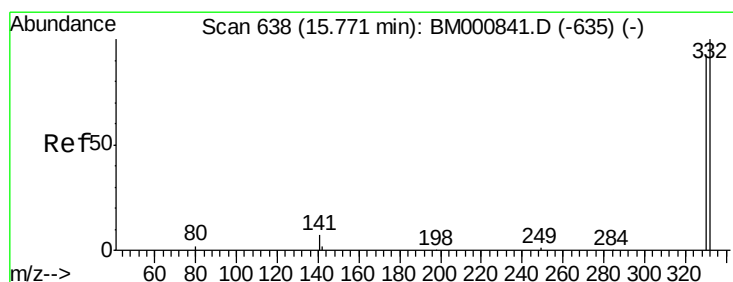
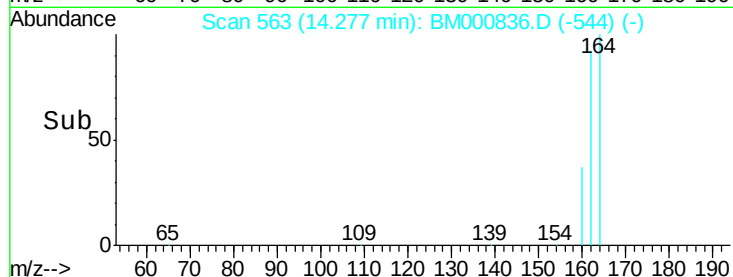
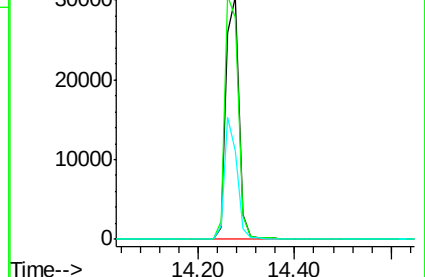
160 36.8 30.4 45.6



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: 9.41 ng

RT: 15.77 min Scan# 638

Delta R.T. 0.00 min

Lab File: BM000836.D

Acq: 03 Apr 2015 10:42

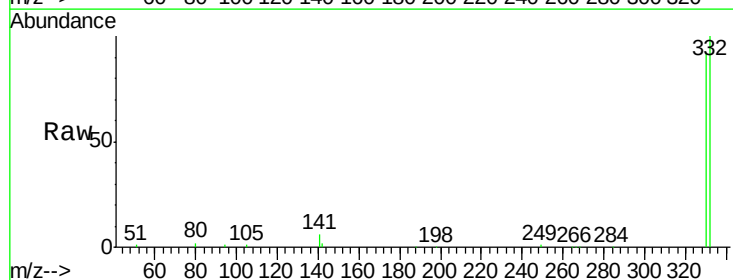
Tgt Ion:330 Resp: 22802

Ion Ratio Lower Upper

330 100

332 103.2 78.7 118.1

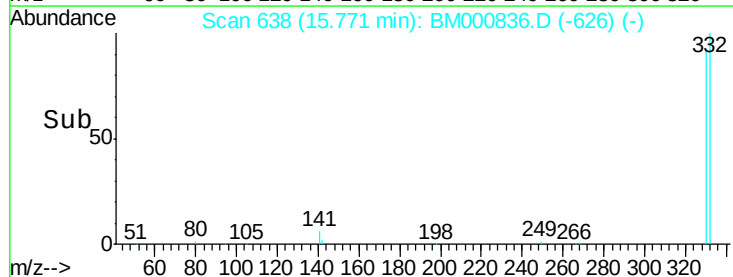
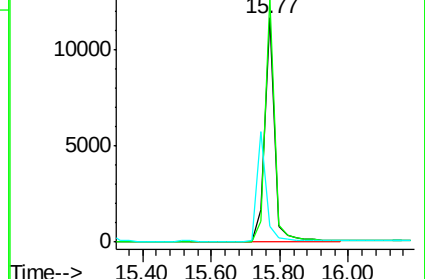
141 0.0 0.0 0.0

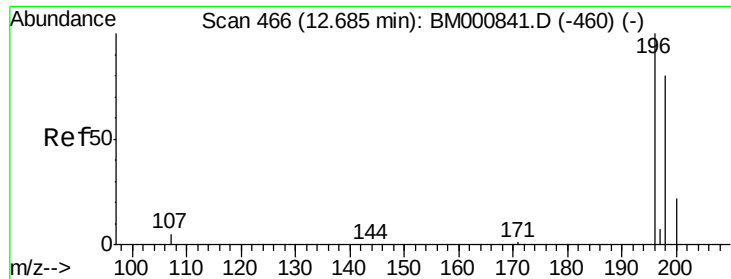


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#21

2,4,6-Trichlorophenol

Concen: 0.17 ng

RT: 12.70 min Scan# 467

Delta R.T. 0.02 min

Lab File: BM000836.D

Acq: 03 Apr 2015 10:42

Instrument :

BNA_M

ClientSampleId :

MDL-05-W

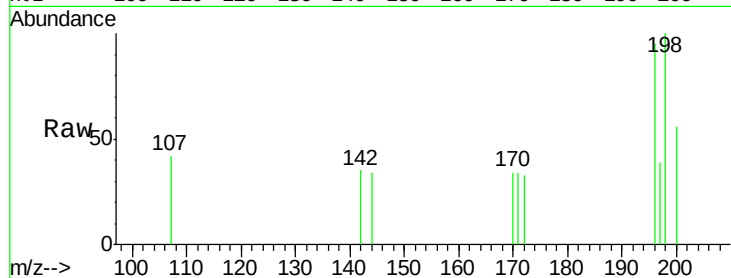
Tot Ion:196 Resp: 196

Ion Ratio Lower Upper

196 100

198 105.1 59.5 89.3#

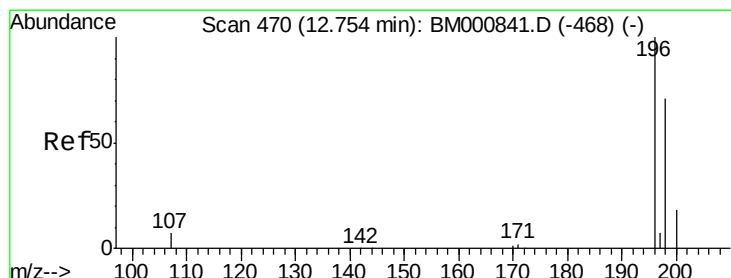
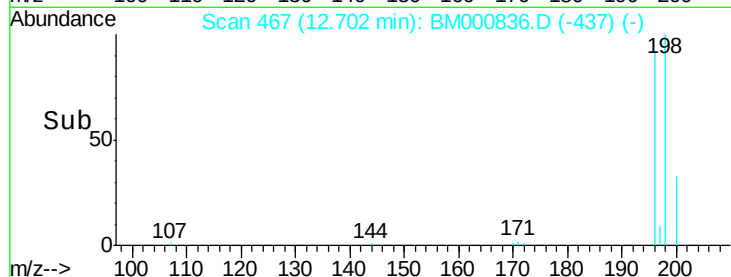
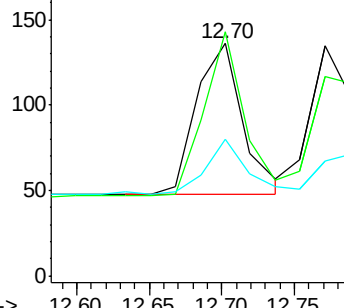
200 58.8 17.4 26.0#



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#22

2,4,5-Trichlorophenol

Concen: 0.11 ng

RT: 12.77 min Scan# 471

Delta R.T. 0.02 min

Lab File: BM000836.D

Acq: 03 Apr 2015 10:42

Tgt Ion:196 Resp: 263

Ion Ratio Lower Upper

196 100

198 86.7 57.9 86.9

97 0.0 0.0 0.0

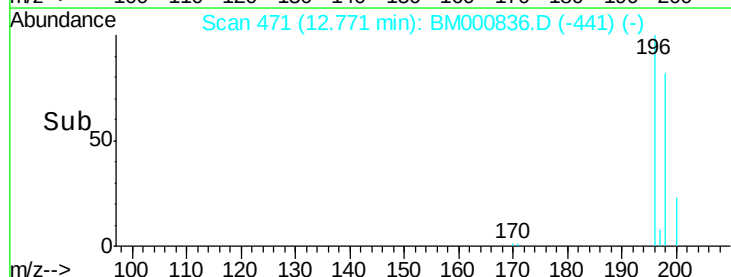
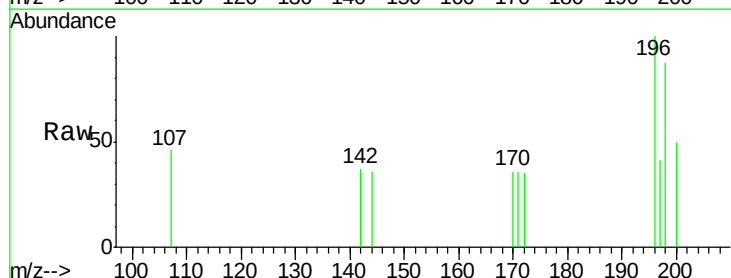
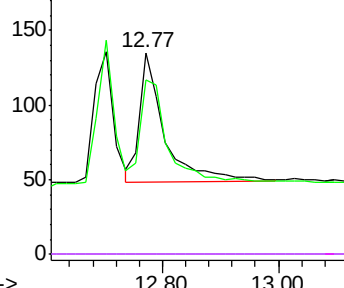
132 0.0 0.0 0.0

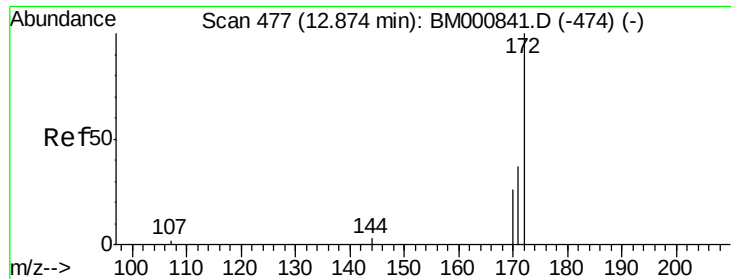
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BM

Ion 132.00 (131.70 to 132.70): E

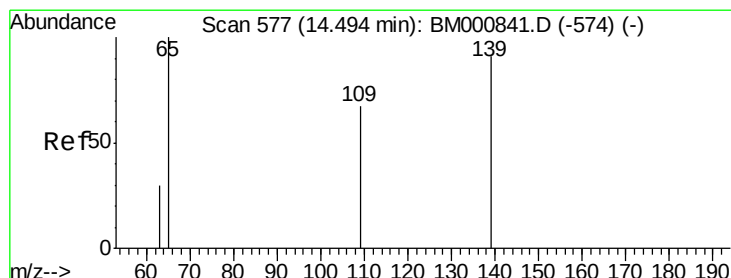
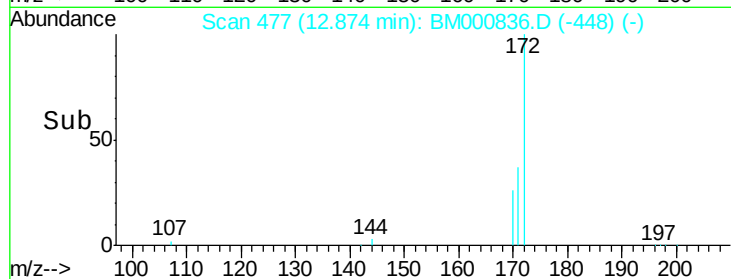
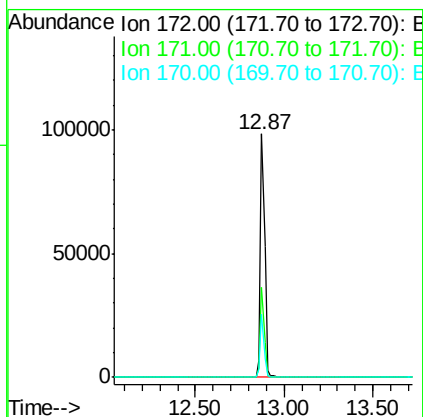
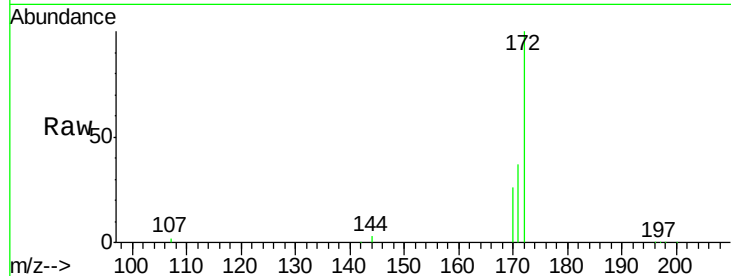




#23
2-Fluorobiphenyl
Concen: 9.61 ng
RT: 12.87 min Scan# 477
Delta R.T. -0.00 min
Lab File: BM000836.D
Acq: 03 Apr 2015 10:42

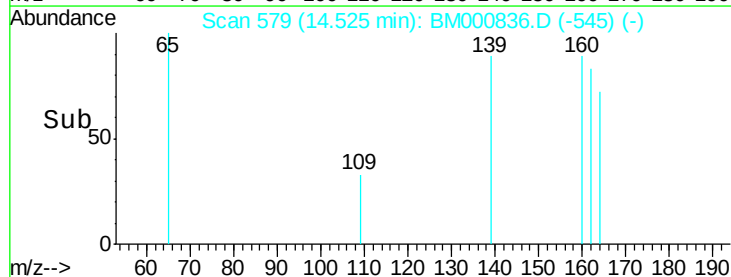
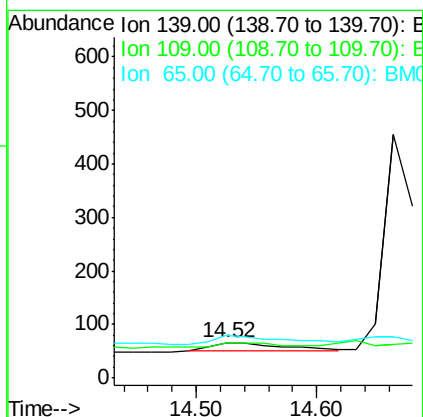
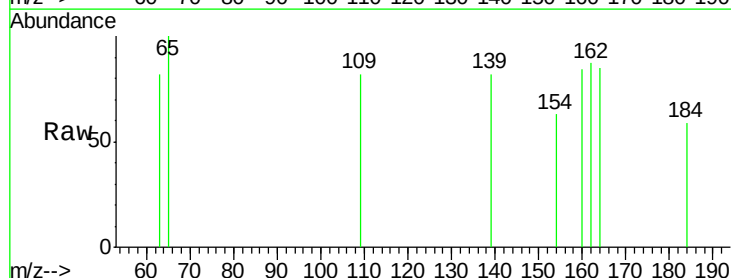
Instrument :
BNA_M
ClientSampleId :
MDL-05-W

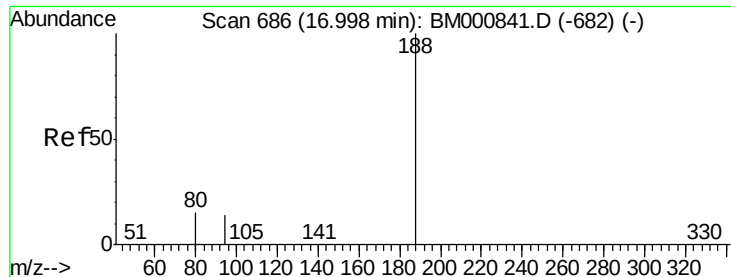
Tot Ion:172 Resp: 169511
Ion Ratio Lower Upper
172 100
171 36.8 30.6 46.0
170 25.8 22.2 33.2



#25
4-Nitrophenol
Concen: 0.27 ng
RT: 14.52 min Scan# 579
Delta R.T. 0.03 min
Lab File: BM000836.D
Acq: 03 Apr 2015 10:42

Tgt Ion:139 Resp: 68
Ion Ratio Lower Upper
139 100
109 100.0 58.2 98.2#
65 121.5 90.4 130.4

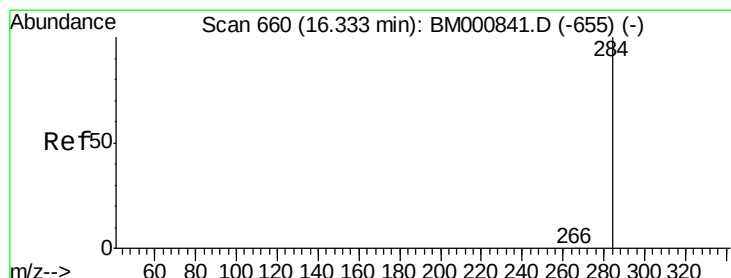
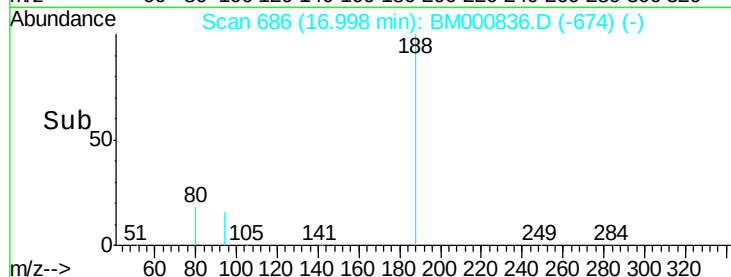
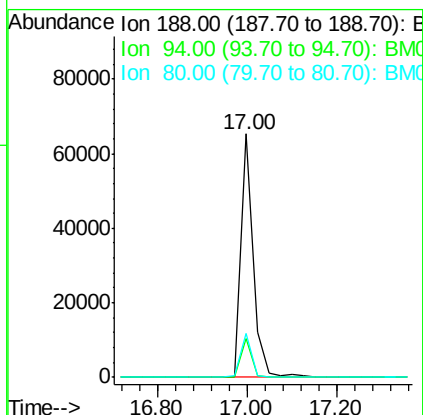
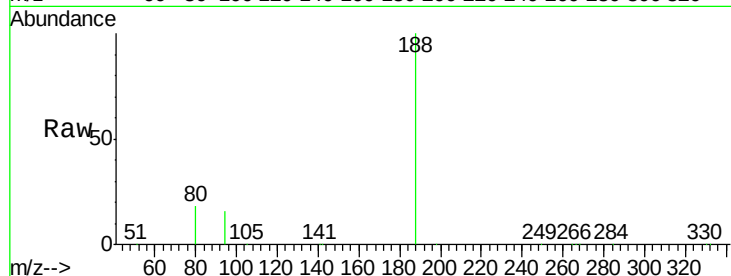




#26
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.00 min Scan# 686
Delta R.T. -0.00 min
Lab File: BM000836.D
Acq: 03 Apr 2015 10:42

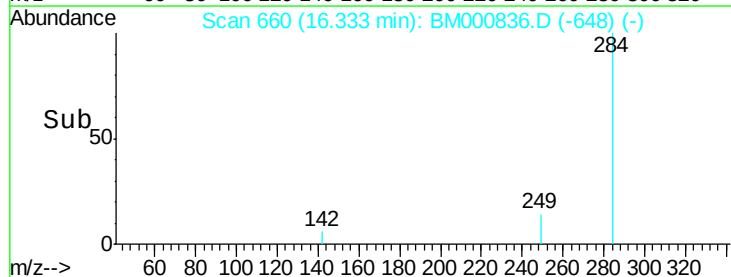
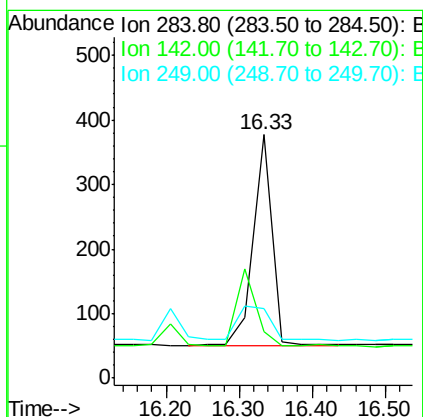
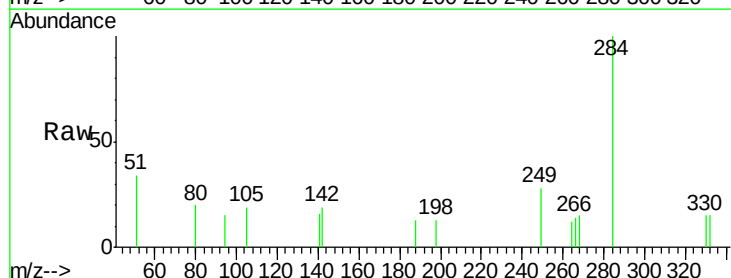
Instrument :
BNA_M
ClientSampleId :
MDL-05-W

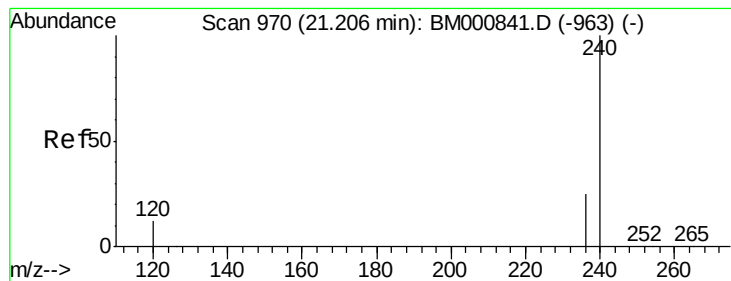
Tot Ion:188 Resp: 123193
Ion Ratio Lower Upper
188 100
94 15.8 13.0 19.6
80 18.1 14.7 22.1



#28
Hexachlorobenzene
Concen: 0.15 ng
RT: 16.33 min Scan# 660
Delta R.T. 0.00 min
Lab File: BM000836.D
Acq: 03 Apr 2015 10:42

Tgt Ion:284 Resp: 588
Ion Ratio Lower Upper
284 100
142 19.4 6.5 9.7#
249 28.4 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: BM000836.D

Acq: 03 Apr 2015 10:42

Instrument :

BNA_M

ClientSampleId :

MDL-05-W

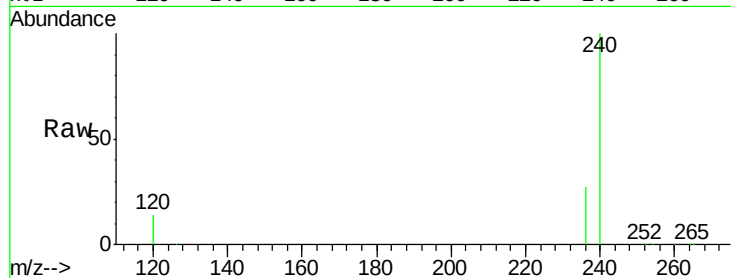
Tot Ion:240 Resp: 109560

Ion Ratio Lower Upper

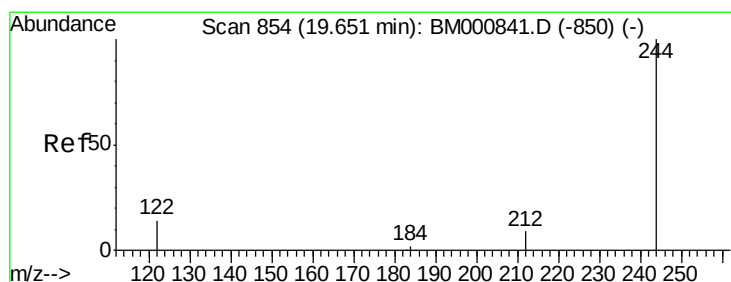
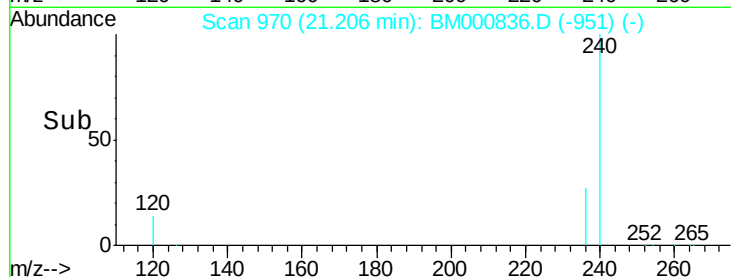
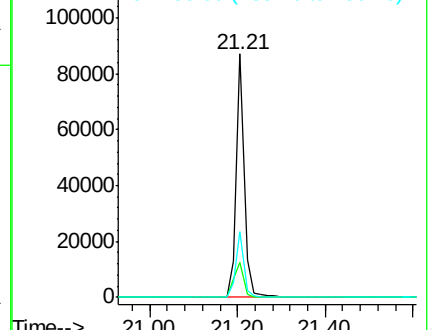
240 100

120 14.4 11.3 16.9

236 26.8 21.1 31.7



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



#32

Terphenyl-d14

Concen: 10.69 ng

RT: 19.65 min Scan# 854

Delta R.T. -0.00 min

Lab File: BM000836.D

Acq: 03 Apr 2015 10:42

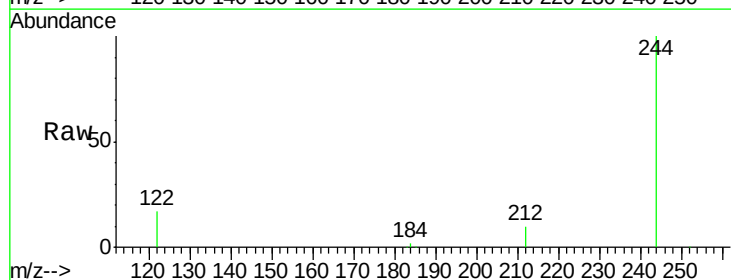
Tgt Ion:244 Resp: 141013

Ion Ratio Lower Upper

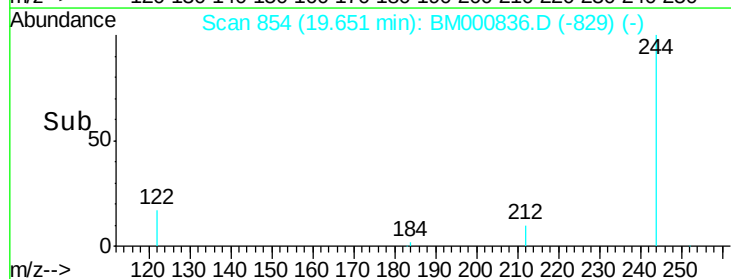
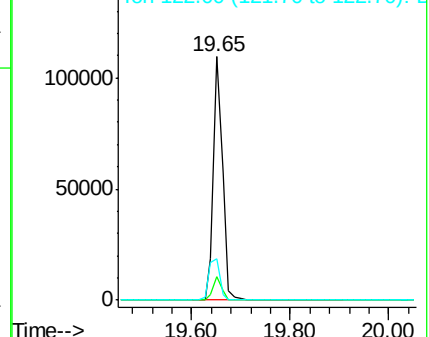
244 100

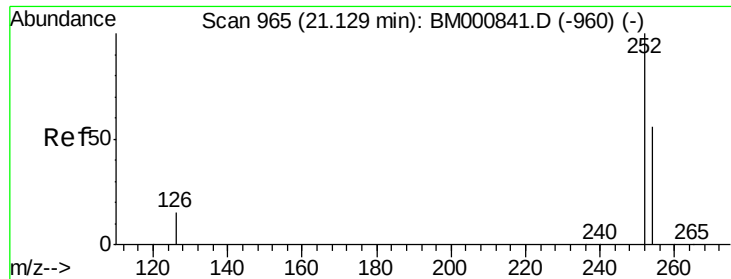
212 9.7 8.0 12.0

122 17.1 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: BM000836.D

Acq: 03 Apr 2015 10:42

Instrument :

BNA_M

ClientSampleId :

MDL-05-W

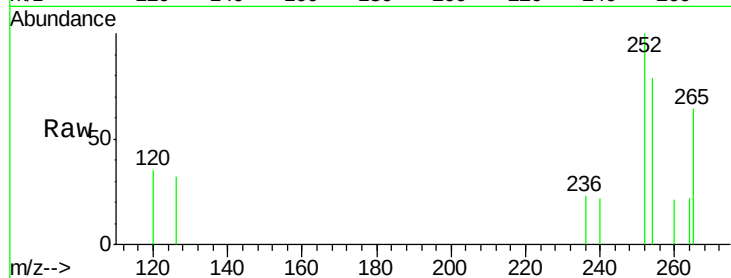
Tot Ion:252 Resp: 446

Ion Ratio Lower Upper

252 100

254 79.3 44.5 66.7#

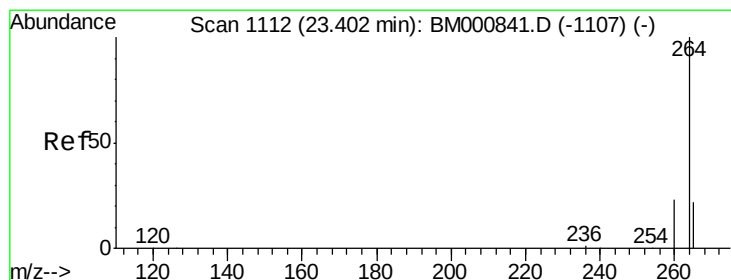
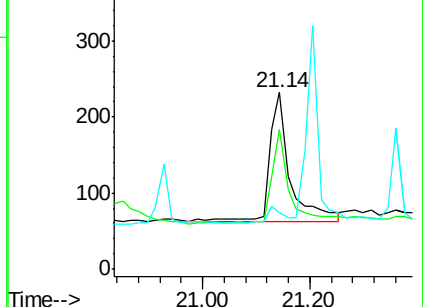
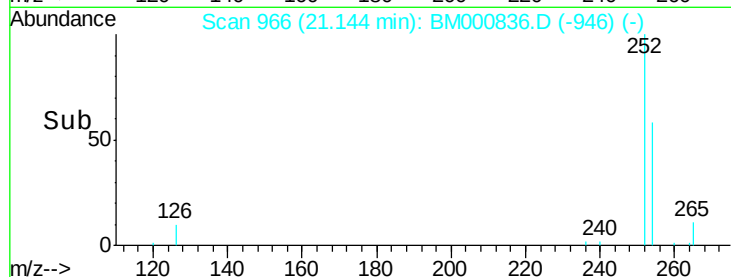
126 32.3 13.6 20.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#34

Perylene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 1112

Delta R.T. -0.00 min

Lab File: BM000836.D

Acq: 03 Apr 2015 10:42

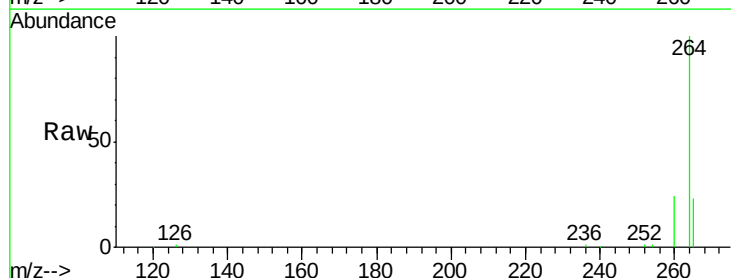
Tgt Ion:264 Resp: 97307

Ion Ratio Lower Upper

264 100

260 23.6 19.1 28.7

265 22.5 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

