

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040315\
 Data File : BM000827.D
 Acq On : 03 Apr 2015 03:32
 Operator : TP/IZ
 Sample : MDL-07-S
 Misc : MDL-SOIL-0.1/0.2
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-07-S

Quant Time: Apr 03 18:39:17 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	25357	5.00	ng	0.00
11) Naphthalene-d8	10.39	136	119566	5.00	ng	0.00
19) Acenaphthene-d10	14.28	164	59933	5.00	ng	0.00
26) Phenanthrene-d10	17.00	188	124945	5.00	ng	0.00
30) Chrysene-d12	21.21	240	115344	5.00	ng	0.00
34) Perylene-d12	23.40	264	106061	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	87323	12.50	ng	0.00
5) Phenol-d6	6.77	99	146106	10.91	ng	0.00
12) Nitrobenzene-d5	8.77	82	39325	7.05	ng	0.00
20) 2,4,6-Tribromophenol	15.77	330	23649	9.32	ng	0.00
23) 2-Fluorobiphenyl	12.87	172	171976	9.31	ng	0.00
32) Terphenyl-d14	19.65	244	138667	9.99	ng	0.00

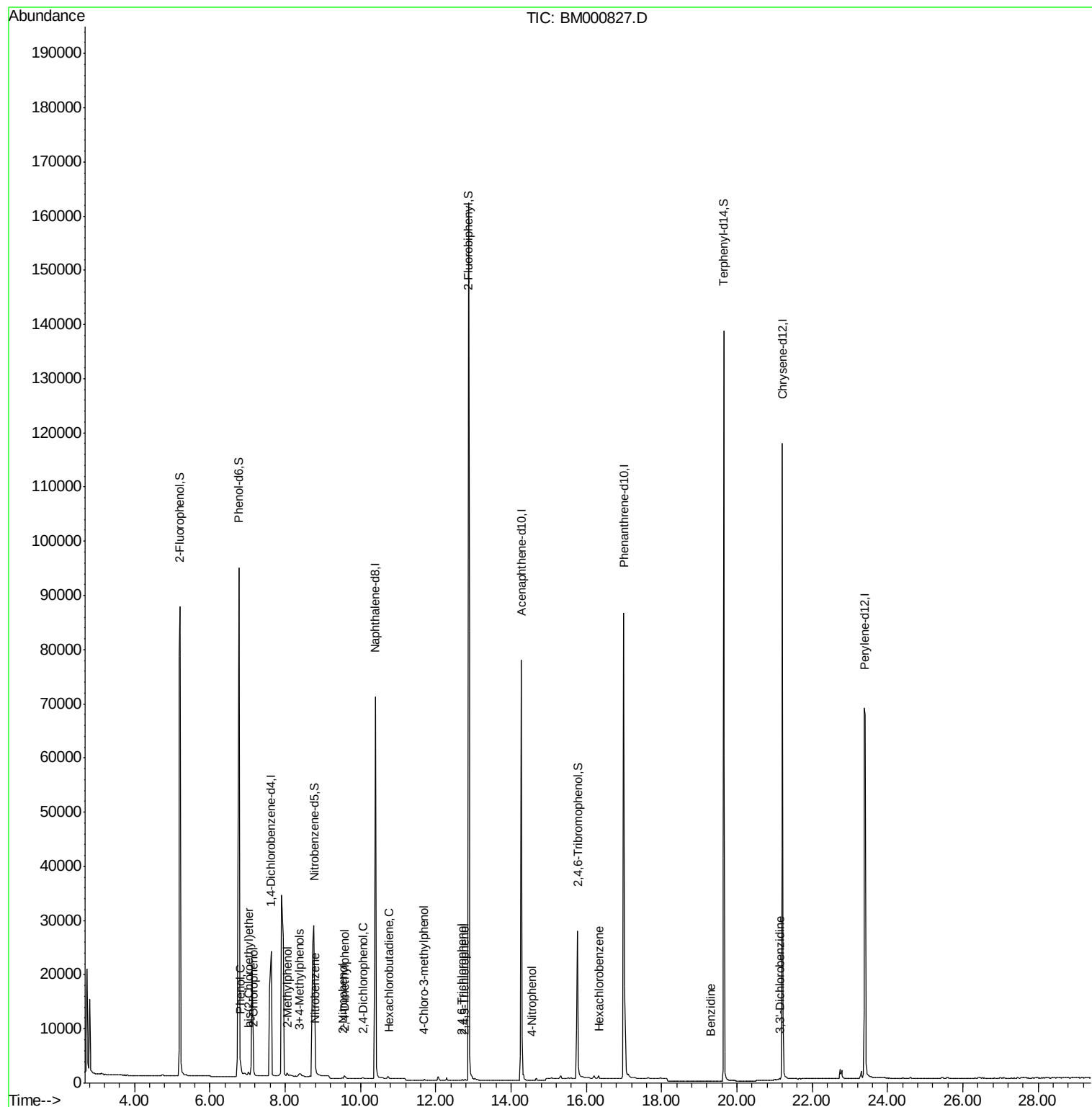
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) 2-Chlorophenol	7.17	128	680	0.27	ng	81
7) Phenol	6.81	94	827	0.08	ng	# 59
8) bis(2-Chloroethyl)ether	7.02	93	599m	0.27	ng	#
9) 2-Methylphenol	8.06	107	532	0.22	ng	# 75
10) 3+4-Methylphenols	8.38	107	541	0.18	ng	# 70
13) Nitrobenzene	8.80	77	690	0.11	ng	# 81
14) 2-Nitrophenol	9.52	139	191	0.19	ng	# 11
15) 2,4-Dimethylphenol	9.58	122	413	0.06	ng	# 77
16) 2,4-Dichlorophenol	10.07	162	376	0.27	ng	# 76
17) Hexachlorobutadiene	10.75	225	368	0.08	ng	# 86
18) 4-Chloro-3-methylphenol	11.69	107	407	0.07	ng	# 86
21) 2,4,6-Trichlorophenol	12.70	196	186	0.17	ng	# 57
22) 2,4,5-Trichlorophenol	12.77	196	233	0.10	ng	# 82
25) 4-Nitrophenol	14.54	139	50	0.25	ng	# 85
28) Hexachlorobenzene	16.33	284	594	0.15	ng	# 66
31) Benzidine	19.30	184	285	0.09	ng	# 76
33) 3,3'-Dichlorobenzidine	21.14	252	494	0.24	ng	# 69

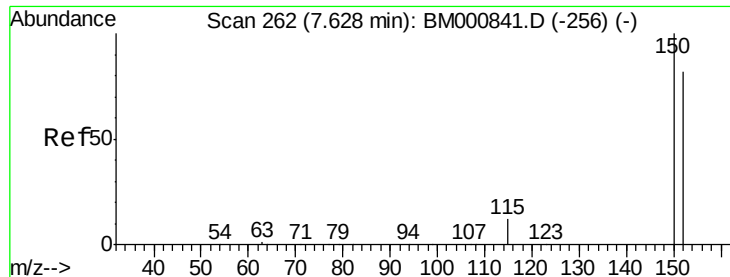
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040315\
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ALS Vial : 18 Sample Multiplier: 1

Instrument :
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Quant Time: Apr 03 18:39:17 2015
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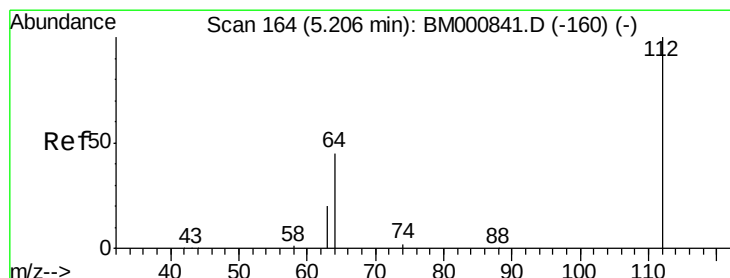
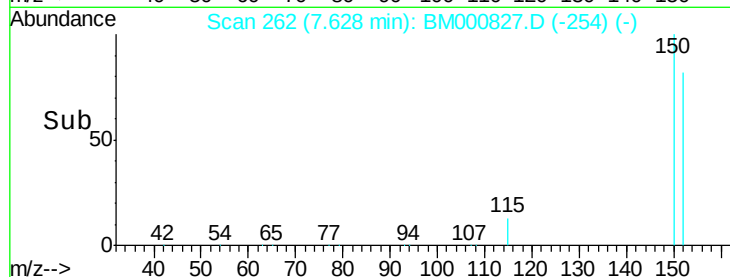
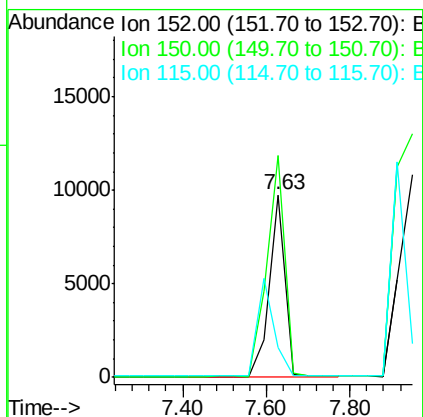
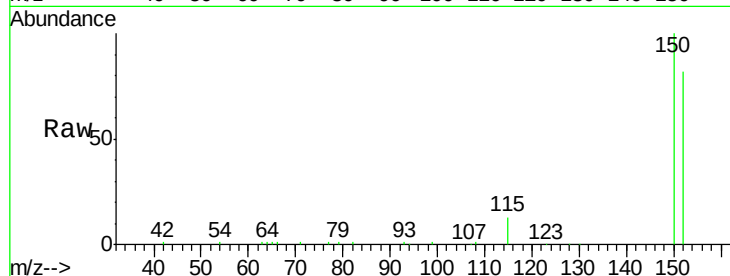


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.63 min Scan# 262
Delta R.T. -0.00 min
Lab File: BM000827.D
Acq: 03 Apr 2015 03:32

Instrument :
BNA_M
ClientSampleId :
MDL-07-S

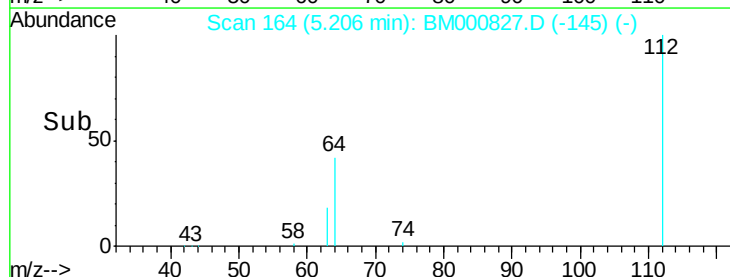
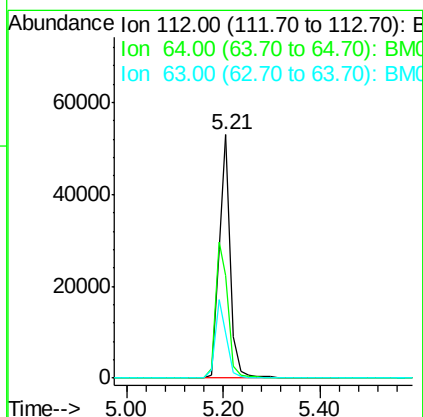
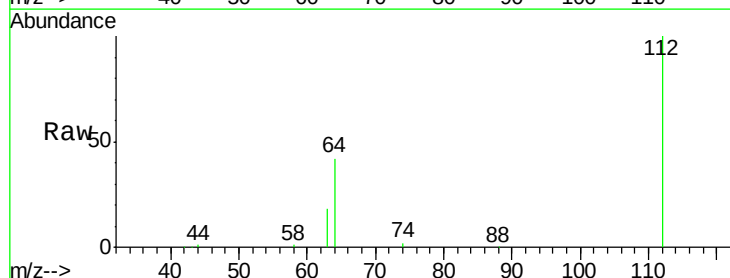
Tot Ion:152 Resp: 25357
Ion Ratio Lower Upper
152 100
150 121.4 99.8 149.6
115 16.0 13.5 20.3

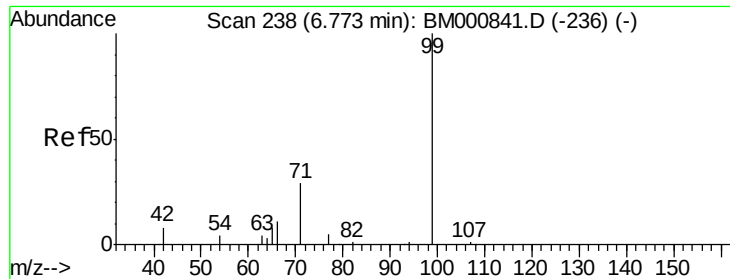


#4

2-Fluorophenol
Concen: 12.50 ng
RT: 5.21 min Scan# 164
Delta R.T. -0.00 min
Lab File: BM000827.D
Acq: 03 Apr 2015 03:32

Tgt Ion:112 Resp: 87323
Ion Ratio Lower Upper
112 100
64 42.1 40.3 60.5
63 18.4 19.0 28.4#





#5

Phenol-d6

Concen: 10.91 ng

RT: 6.77 min Scan# 238

Delta R.T. 0.00 min

Lab File: BM000827.D

Acq: 03 Apr 2015 03:32

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

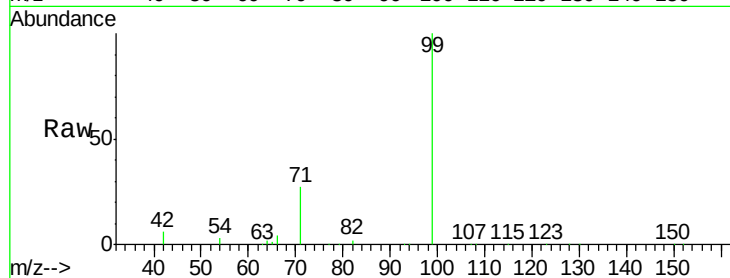
Tot Ion: 99 Resp: 146106

Ion Ratio Lower Upper

99 100

42 6.0 10.2 15.4#

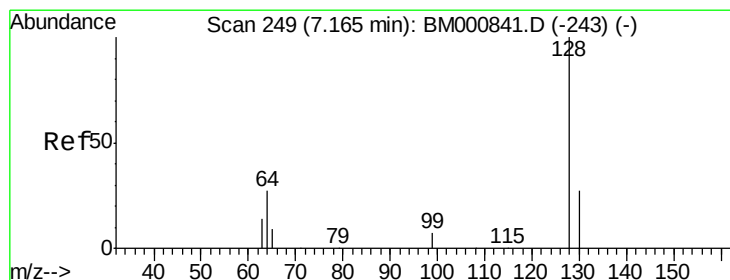
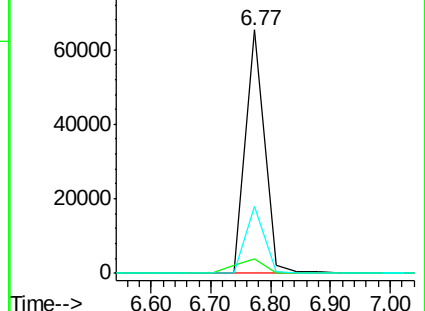
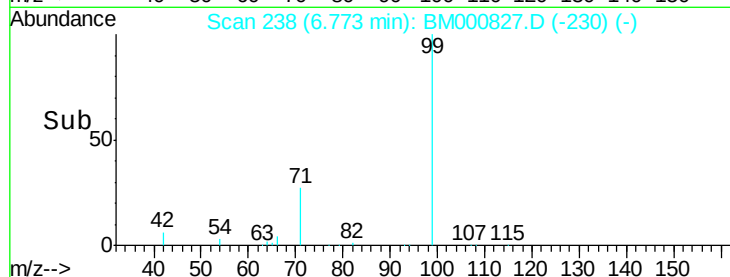
71 27.3 28.6 43.0#



Abundance Ion 99.00 (98.70 to 99.70): BM000827.D (-236) (-)

Ion 42.00 (41.70 to 42.70): BM000827.D (-236) (-)

Ion 71.00 (70.70 to 71.70): BM000827.D (-236) (-)



#6

2-Chlorophenol

Concen: 0.27 ng

RT: 7.17 min Scan# 249

Delta R.T. 0.00 min

Lab File: BM000827.D

Acq: 03 Apr 2015 03:32

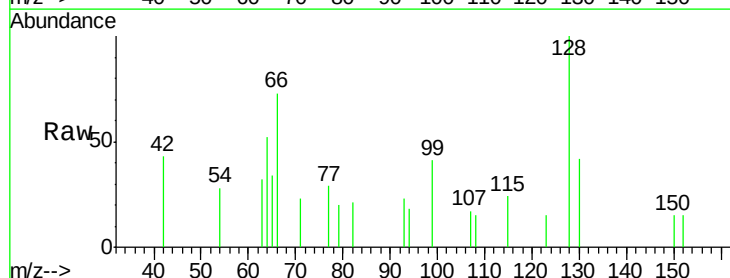
Tgt Ion: 128 Resp: 680

Ion Ratio Lower Upper

128 100

130 41.7 7.6 47.6

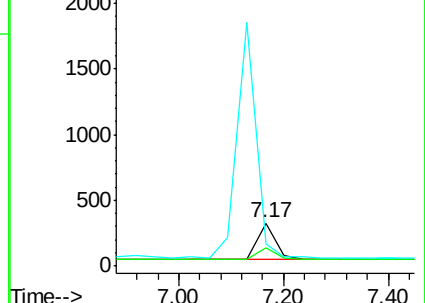
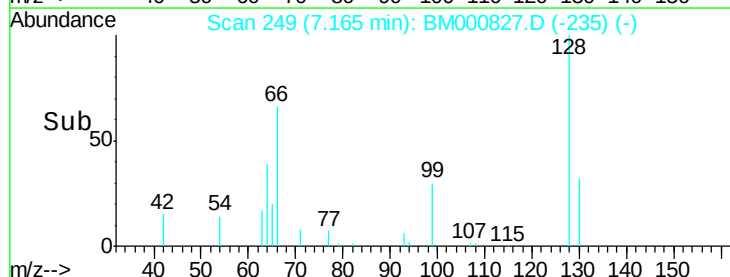
64 52.2 23.1 63.1

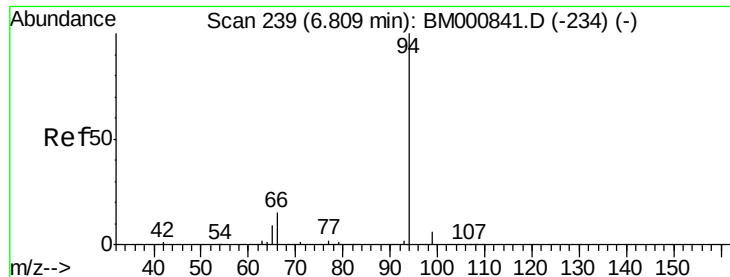


Abundance Ion 128.00 (127.70 to 128.70): BM000827.D (-235) (-)

Ion 130.00 (129.70 to 130.70): BM000827.D (-235) (-)

Ion 64.00 (63.70 to 64.70): BM000827.D (-235) (-)





#7

Phenol

Concen: 0.08 ng

RT: 6.81 min Scan# 239

Delta R.T. -0.00 min

Lab File: BM000827.D

Acq: 03 Apr 2015 03:32

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

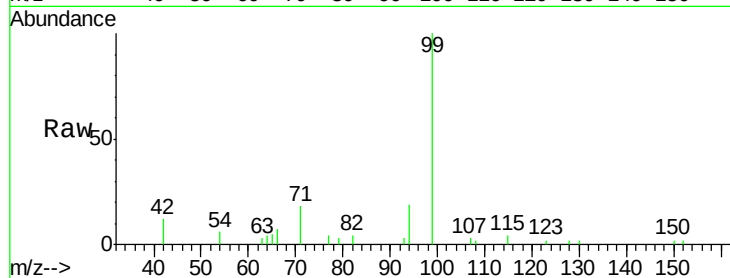
Tot Ion: 94 Resp: 827

Ion Ratio Lower Upper

94 100

65 25.2 0.0 32.0

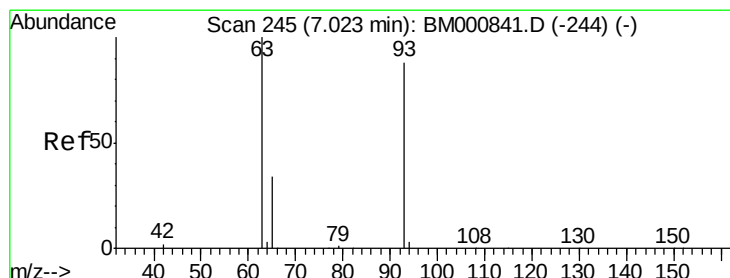
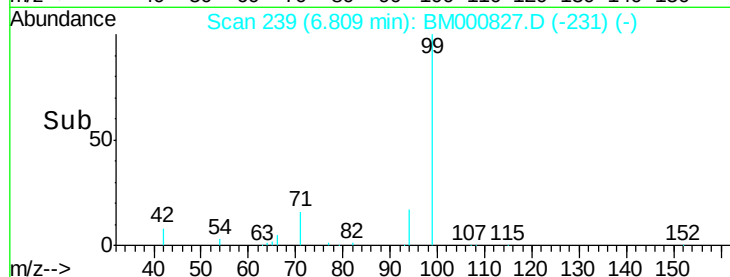
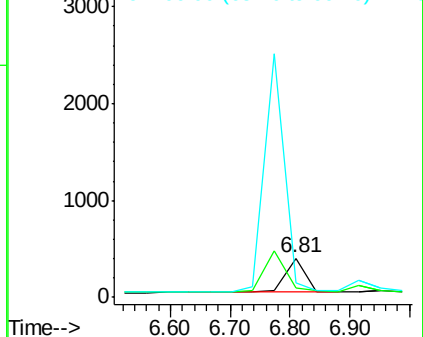
66 37.7 0.0 37.6#



Abundance Ion 94.00 (93.70 to 94.70): BM000827.D (-231) (-)

Ion 65.00 (64.70 to 65.70): BM000827.D (-231) (-)

Ion 66.00 (65.70 to 66.70): BM000827.D (-231) (-)



#8

bis(2-Chloroethyl)ether

Concen: 0.27 ng m

RT: 7.02 min Scan# 245

Delta R.T. 0.00 min

Lab File: BM000827.D

Acq: 03 Apr 2015 03:32

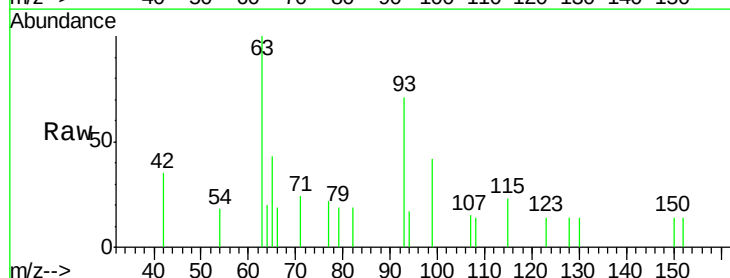
Tgt Ion: 93 Resp: 599

Ion Ratio Lower Upper

93 100

63 140.7 118.9 158.9

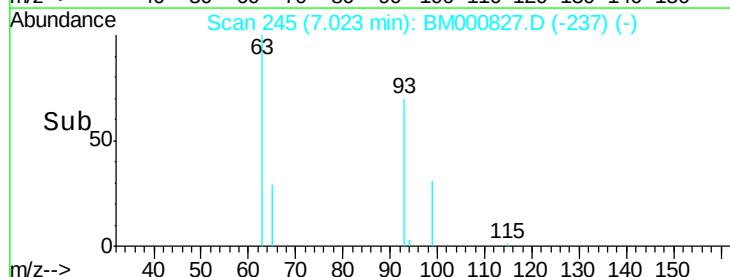
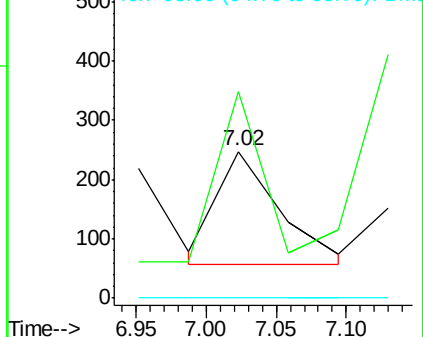
95 0.0 0.0 20.0

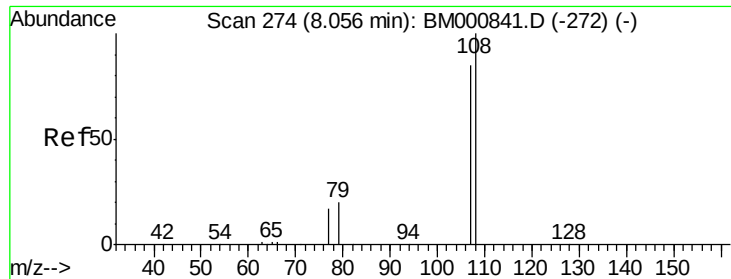


Abundance Ion 93.00 (92.70 to 93.70): BM000827.D (-237) (-)

Ion 63.00 (62.70 to 63.70): BM000827.D (-237) (-)

Ion 95.00 (94.70 to 95.70): BM000827.D (-237) (-)





#9

2-Methylphenol

Concen: 0.22 ng

RT: 8.06 min Scan# 274

Delta R.T. -0.00 min

Lab File: BM000827.D

Acq: 03 Apr 2015 03:32

Instrument :

BNA_M

ClientSampled :

MDL-07-S

Tot Ion:107 Resp: 532

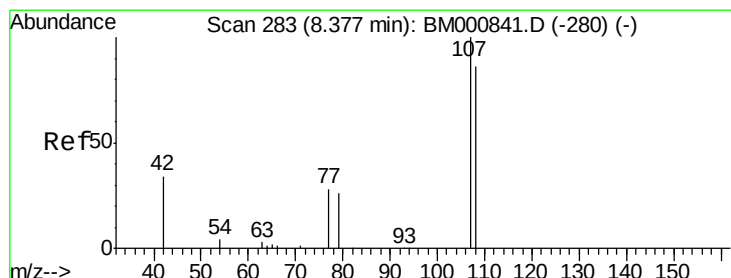
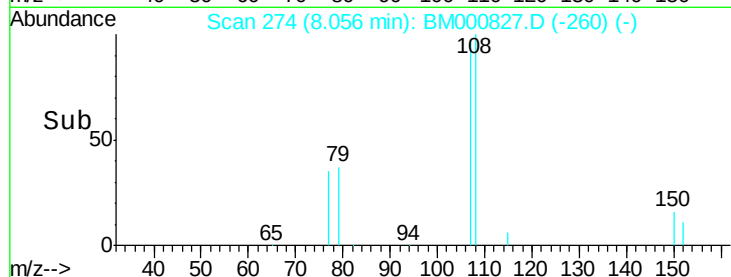
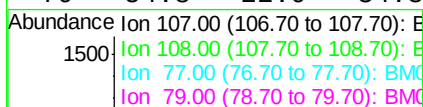
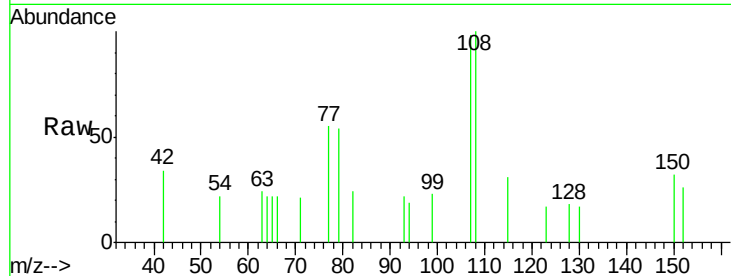
Ion Ratio Lower Upper

107 100

108 102.2 92.0 138.0

77 56.3 20.6 31.0#

79 54.8 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: BM000827.D

Acq: 03 Apr 2015 03:32

Tgt Ion:107 Resp: 541

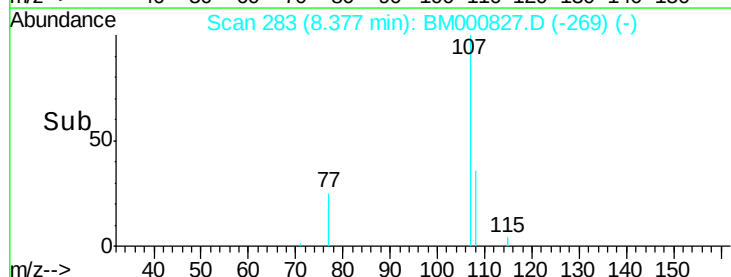
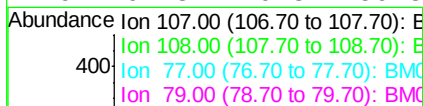
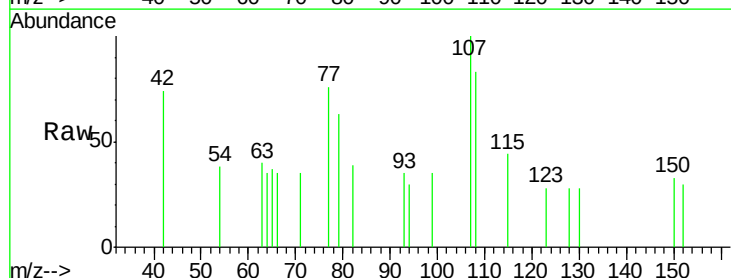
Ion Ratio Lower Upper

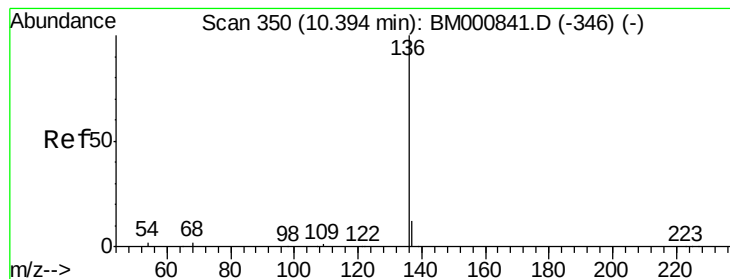
107 100

108 82.6 62.6 102.6

77 75.6 12.8 52.8#

79 62.8 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: BM000827.D

Acq: 03 Apr 2015 03:32

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

Tot Ion:136 Resp: 119566

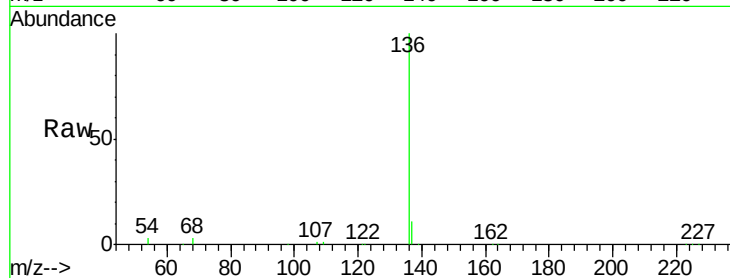
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 2.8 2.2 3.4

68 2.7 2.2 3.2

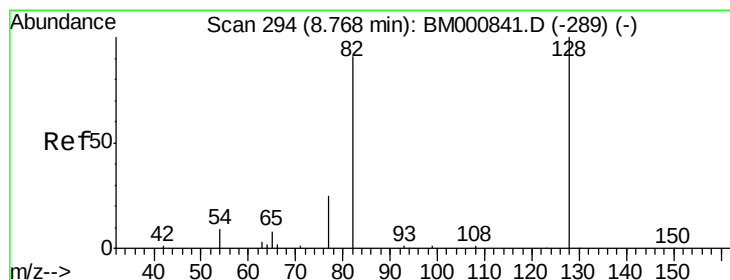
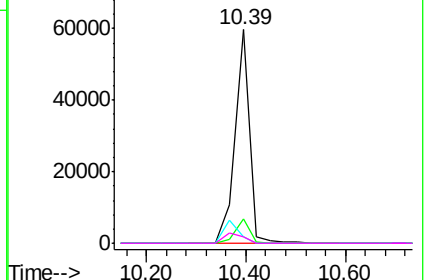
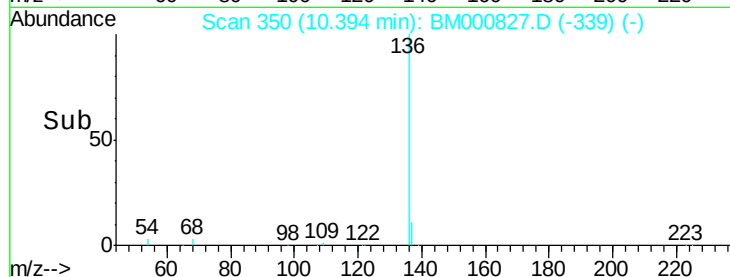


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#12

Nitrobenzene-d5

Concen: 7.05 ng

RT: 8.77 min Scan# 294

Delta R.T. -0.00 min

Lab File: BM000827.D

Acq: 03 Apr 2015 03:32

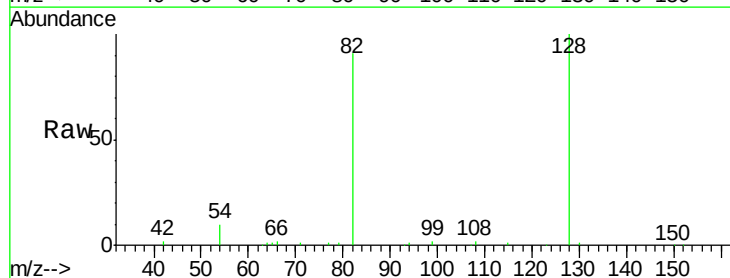
Tgt Ion: 82 Resp: 39325

Ion Ratio Lower Upper

82 100

128 109.3 72.5 108.7#

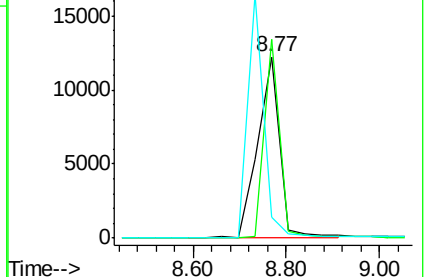
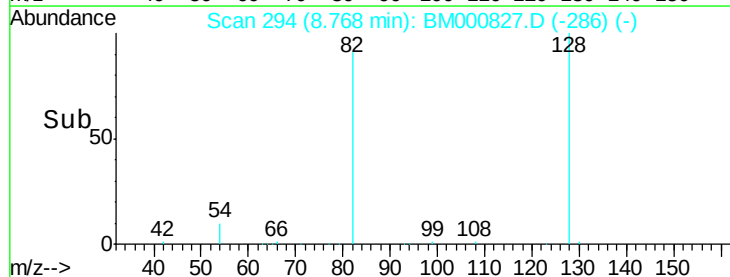
54 11.3 11.8 17.8#

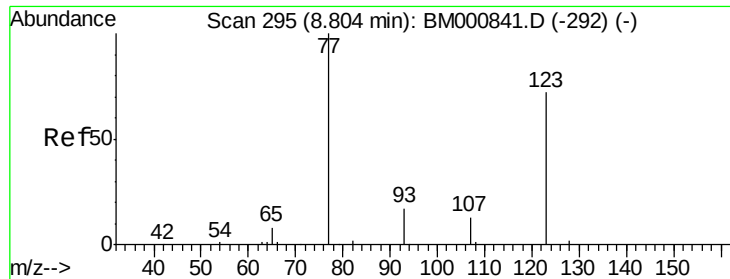


Abundance Ion 82.00 (81.70 to 82.70): BM

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: BM000827.D

Acq: 03 Apr 2015 03:32

Instrument :

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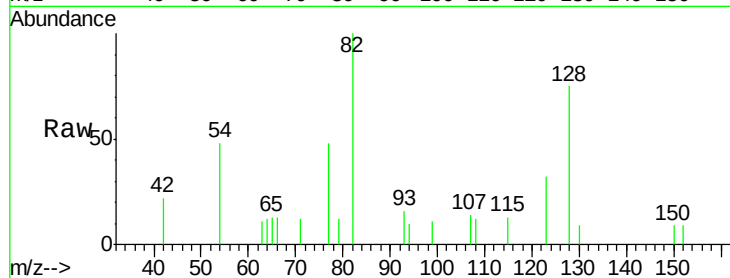
Tot Ion: 77 Resp: 690

Ion Ratio Lower Upper

77 100

123 67.5 45.8 68.6

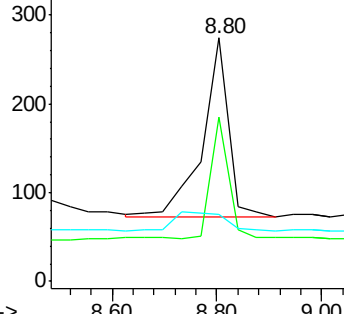
65 27.7 8.2 12.4#



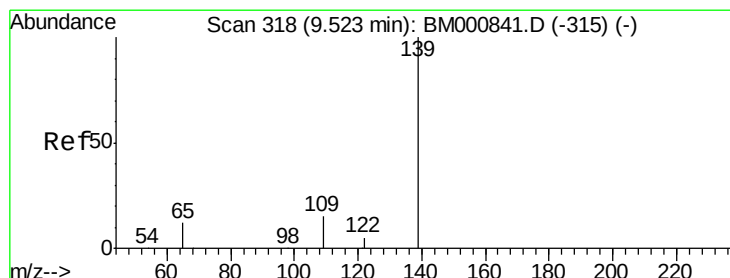
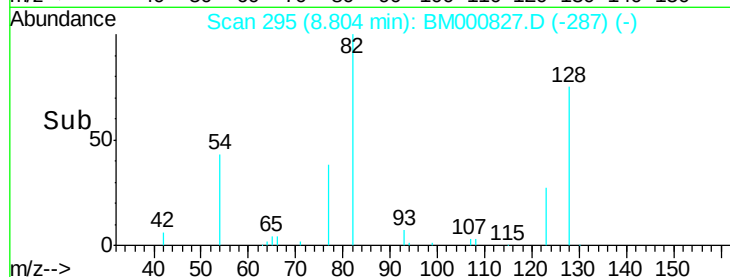
Abundance Ion 77.00 (76.70 to 77.70): BM000827.D (-292) (-)

Ion 123.00 (122.70 to 123.70): BM000827.D (-292) (-)

Ion 65.00 (64.70 to 65.70): BM000827.D (-292) (-)



Time-->



#14

2-Nitrophenol

Concen: 0.19 ng

RT: 9.52 min Scan# 318

Delta R.T. 0.00 min

Lab File: BM000827.D

Acq: 03 Apr 2015 03:32

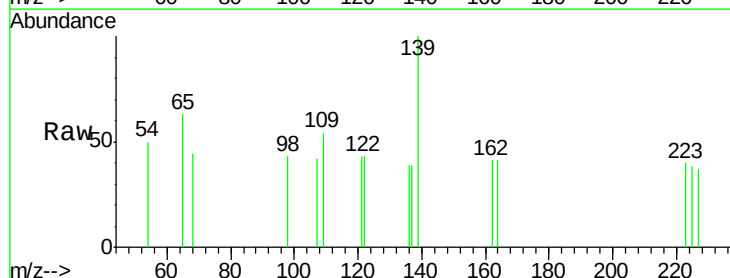
Tgt Ion: 139 Resp: 191

Ion Ratio Lower Upper

139 100

109 53.9 15.0 22.6#

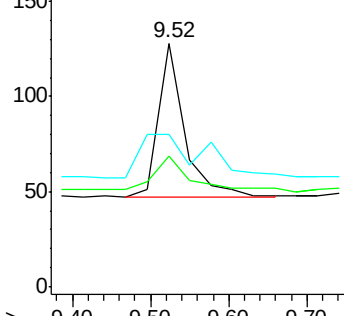
65 62.5 14.2 21.4#



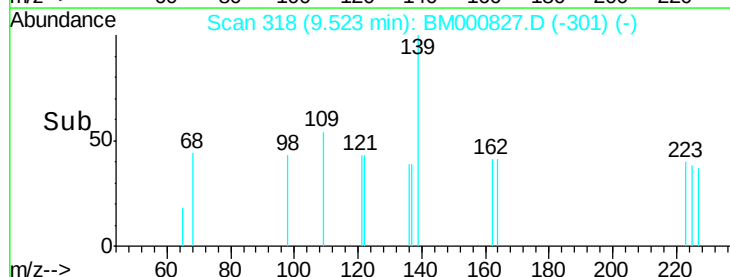
Abundance Ion 139.00 (138.70 to 139.70): BM000827.D (-315) (-)

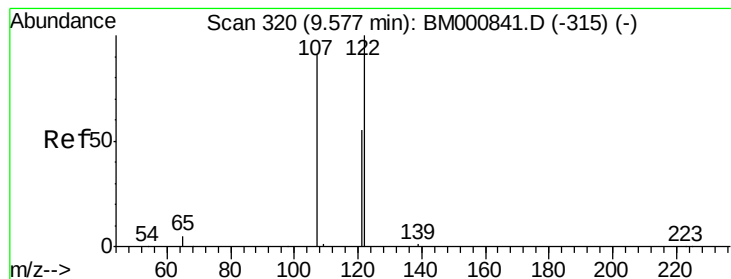
Ion 109.00 (108.70 to 109.70): BM000827.D (-315) (-)

Ion 65.00 (64.70 to 65.70): BM000827.D (-315) (-)



Time-->





#15

2,4-Dimethylphenol

Concen: 0.06 ng

RT: 9.58 min Scan# 320

Delta R.T. -0.00 min

Lab File: BM000827.D

Acq: 03 Apr 2015 03:32

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

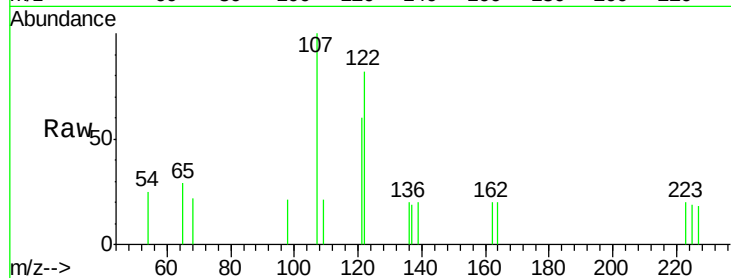
Tot Ion:122 Resp: 413

Ion Ratio Lower Upper

122 100

107 121.6 78.2 117.4#

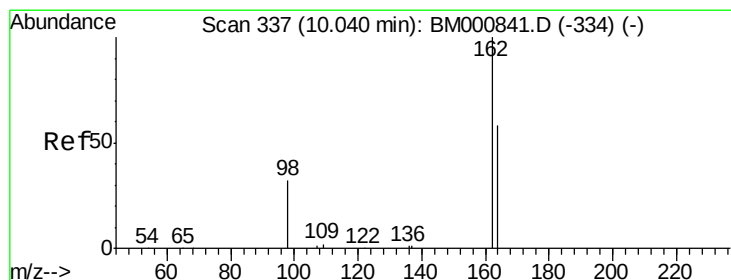
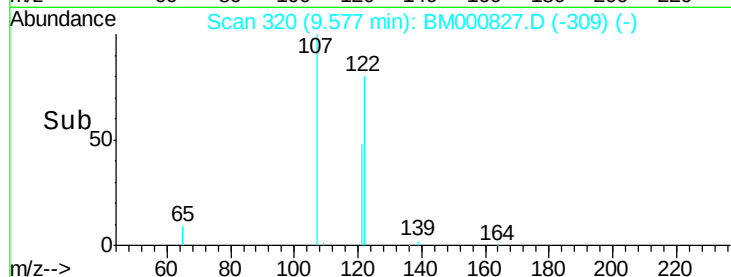
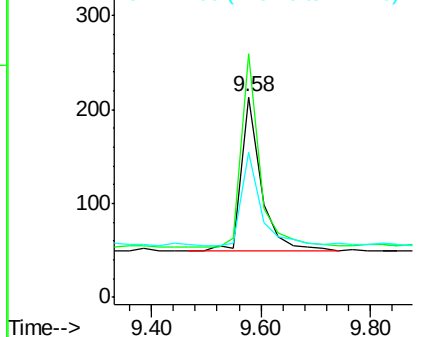
121 72.8 45.4 68.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#16

2,4-Dichlorophenol

Concen: 0.27 ng

RT: 10.07 min Scan# 338

Delta R.T. 0.03 min

Lab File: BM000827.D

Acq: 03 Apr 2015 03:32

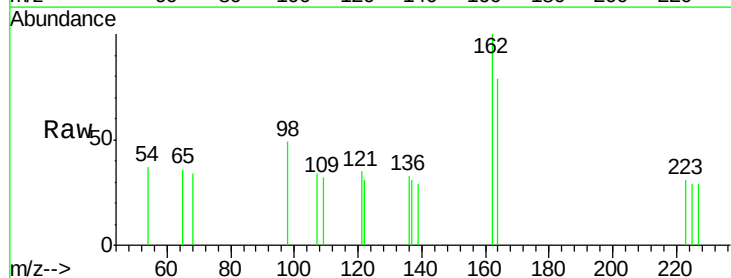
Tgt Ion:162 Resp: 376

Ion Ratio Lower Upper

162 100

164 78.5 37.1 77.1#

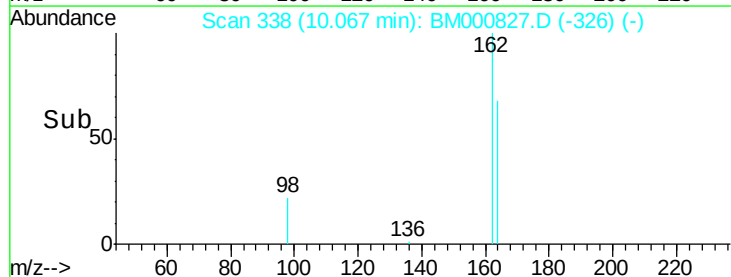
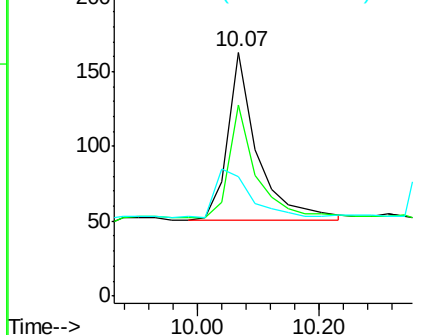
98 49.1 19.5 59.5

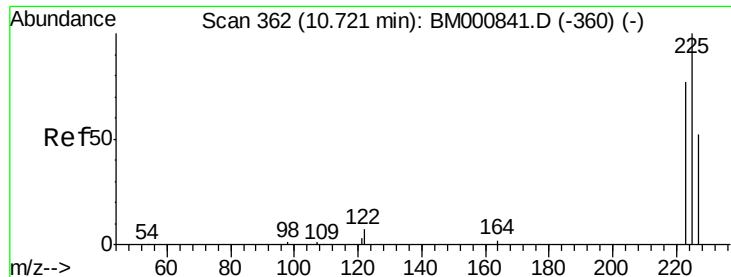


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM

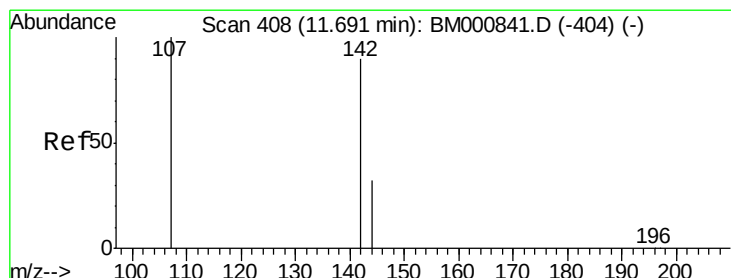
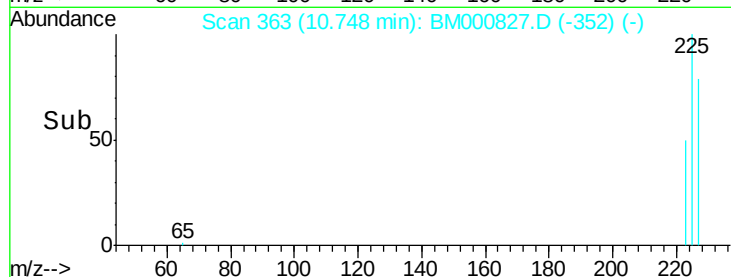
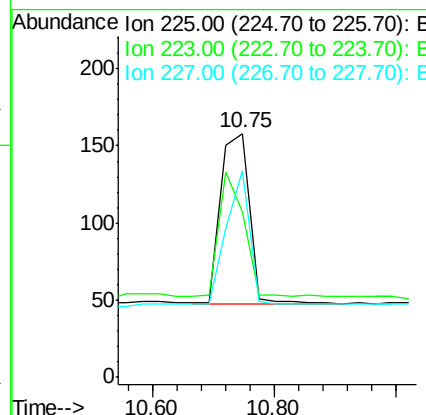
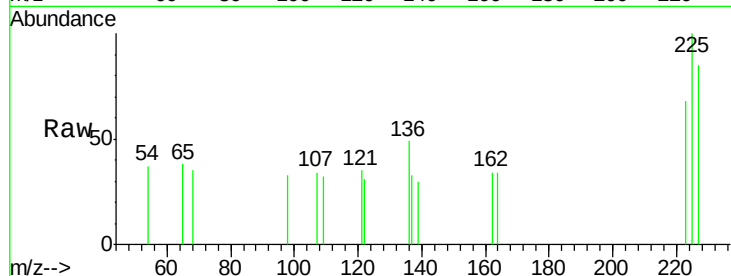




#17
Hexachlorobutadiene
Concen: 0.08 ng
RT: 10.75 min Scan# 363
Delta R.T. -0.00 min
Lab File: BM000827.D
Acq: 03 Apr 2015 03:32

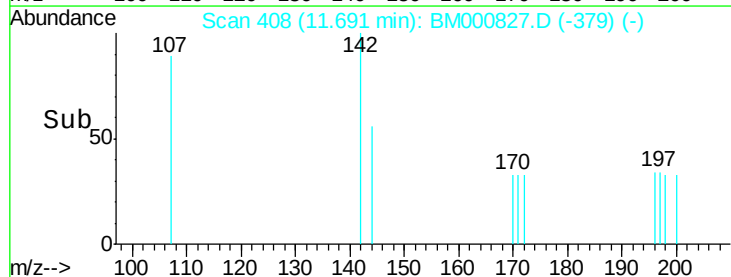
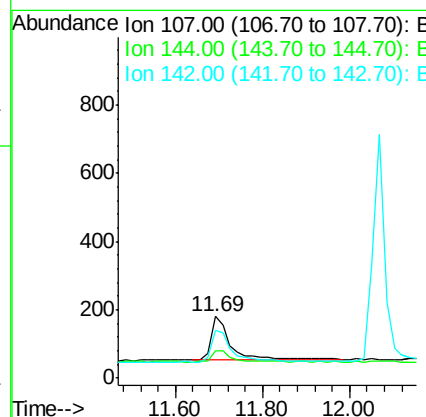
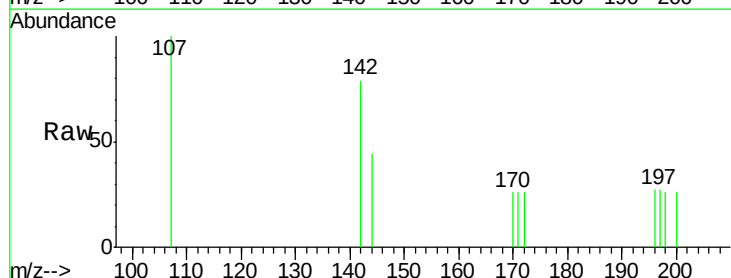
Instrument :
BNA_M
ClientSampleId :
MDL-07-S

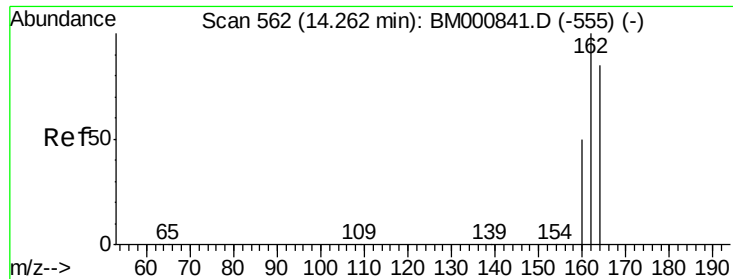
Tot Ion:225 Resp: 368
Ion Ratio Lower Upper
225 100
223 67.7 40.8 61.2#
227 84.8 62.8 94.2



#18
4-Chloro-3-methylphenol
Concen: 0.07 ng
RT: 11.69 min Scan# 408
Delta R.T. -0.00 min
Lab File: BM000827.D
Acq: 03 Apr 2015 03:32

Tgt Ion:107 Resp: 407
Ion Ratio Lower Upper
107 100
144 43.9 25.8 38.8#
142 78.9 71.3 106.9

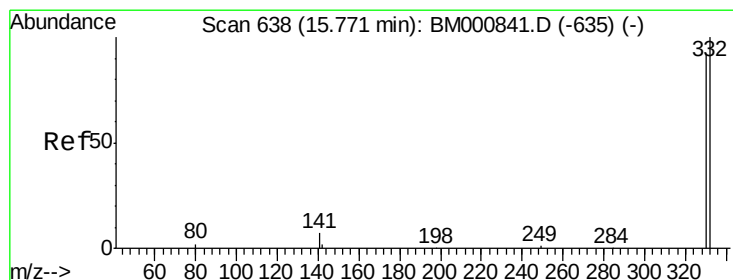
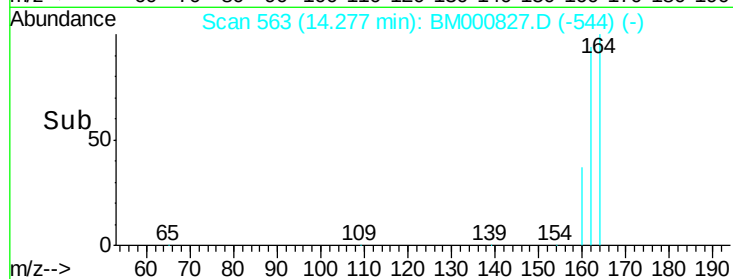
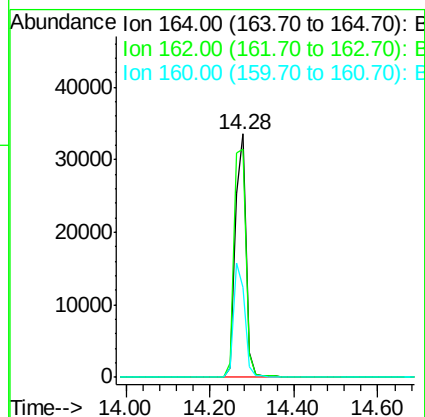
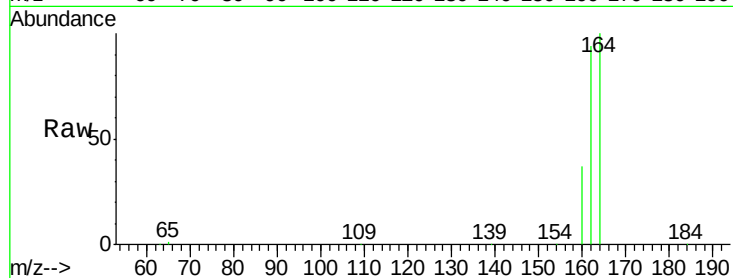




#19
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.28 min Scan# 563
 Delta R.T. -0.00 min
 Lab File: BM000827.D
 Acq: 03 Apr 2015 03:32

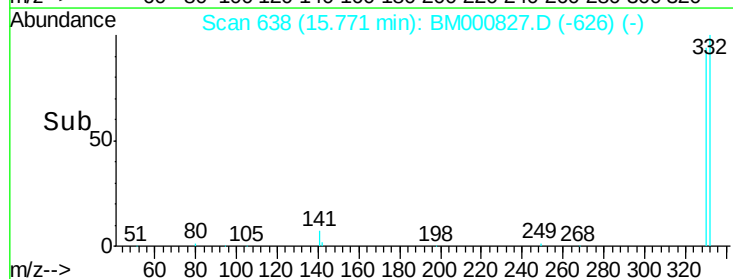
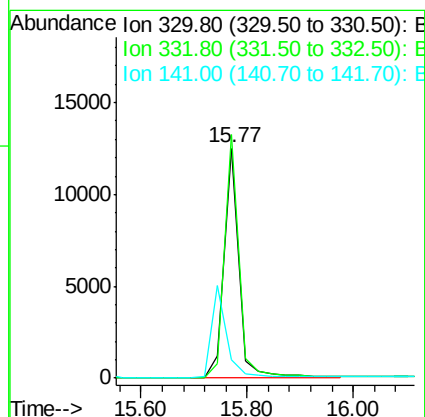
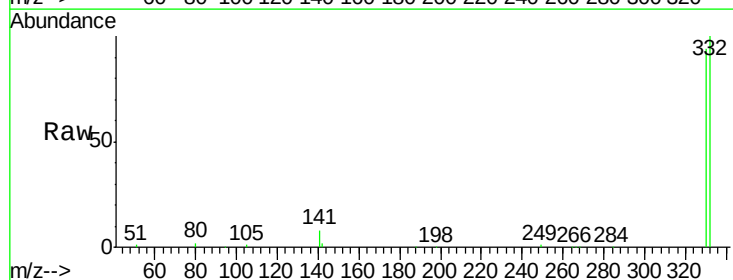
Instrument :
 BNA_M
 ClientSampleId :
 MDL-07-S

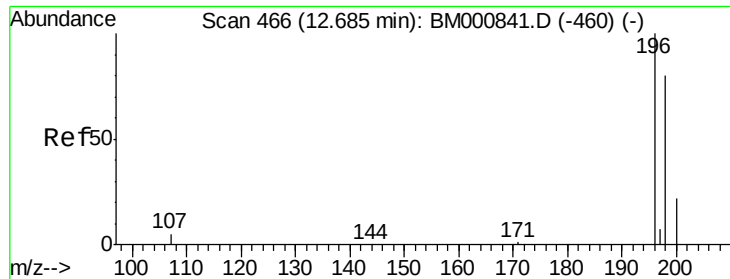
Tot Ion:164 Resp: 59933
 Ion Ratio Lower Upper
 164 100
 162 93.5 74.2 111.2
 160 37.2 30.4 45.6



#20
 2,4,6-Tribromophenol
 Concen: 9.32 ng
 RT: 15.77 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: BM000827.D
 Acq: 03 Apr 2015 03:32

Tgt Ion:330 Resp: 23649
 Ion Ratio Lower Upper
 330 100
 332 102.8 78.7 118.1
 141 0.0 0.0 0.0





#21

2,4,6-Trichlorophenol

Concen: 0.17 ng

RT: 12.70 min Scan# 467

Delta R.T. 0.02 min

Lab File: BM000827.D

Acq: 03 Apr 2015 03:32

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

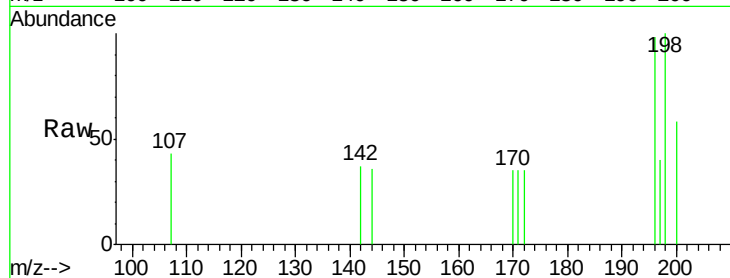
Tot Ion:196 Resp: 186

Ion Ratio Lower Upper

196 100

198 102.3 59.5 89.3#

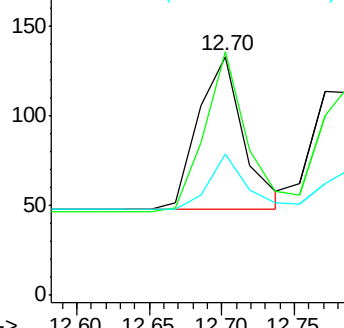
200 59.4 17.4 26.0#



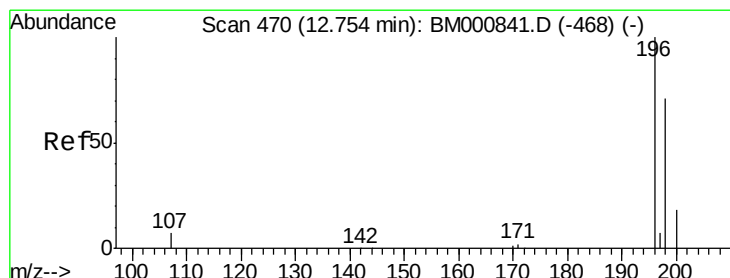
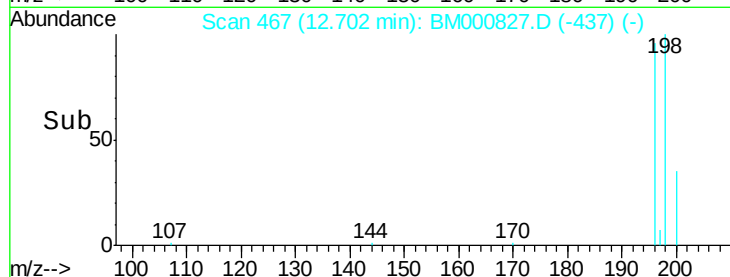
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



Time-->



#22

2,4,5-Trichlorophenol

Concen: 0.10 ng

RT: 12.77 min Scan# 471

Delta R.T. 0.02 min

Lab File: BM000827.D

Acq: 03 Apr 2015 03:32

Tgt Ion:196 Resp: 233

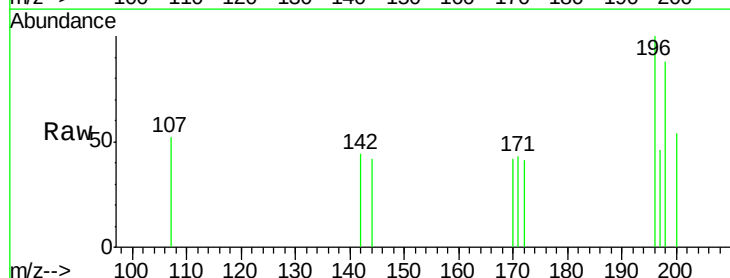
Ion Ratio Lower Upper

196 100

198 87.7 57.9 86.9#

97 0.0 0.0 0.0

132 0.0 0.0 0.0

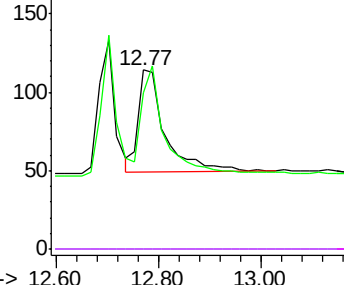


Abundance Ion 196.00 (195.70 to 196.70): E

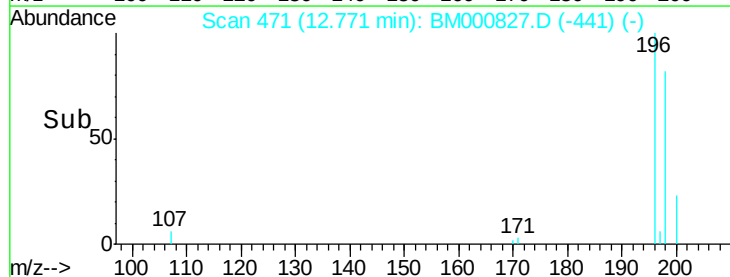
Ion 198.00 (197.70 to 198.70): E

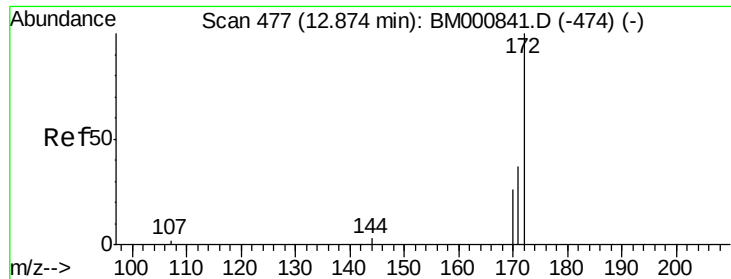
Ion 97.00 (96.70 to 97.70): BM0

Ion 132.00 (131.70 to 132.70): E



Time-->

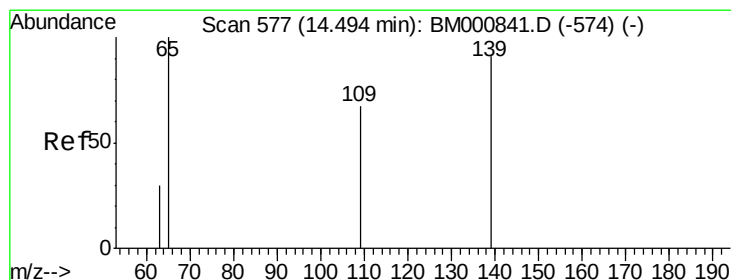
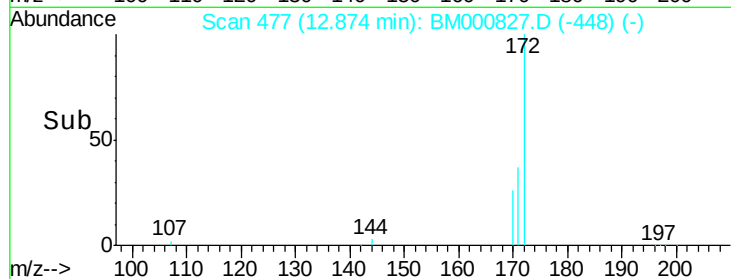
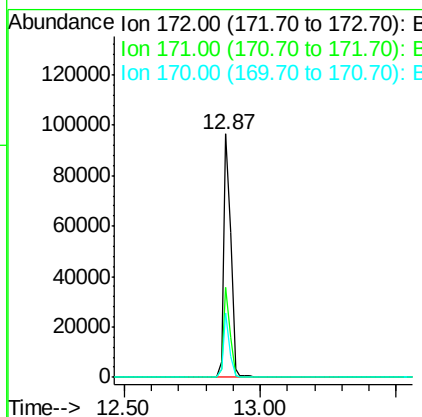
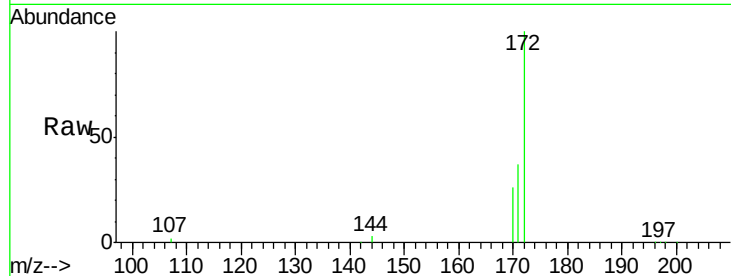




#23
2-Fluorobiphenyl
Concen: 9.31 ng
RT: 12.87 min Scan# 477
Delta R.T. -0.00 min
Lab File: BM000827.D
Acq: 03 Apr 2015 03:32

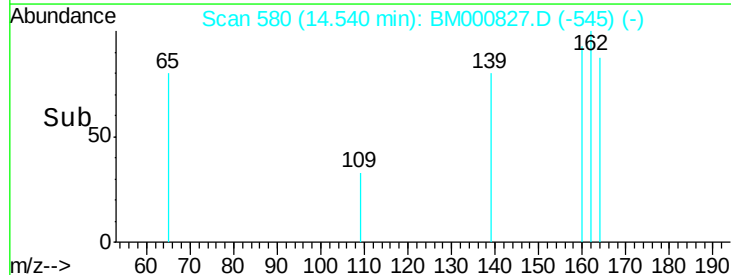
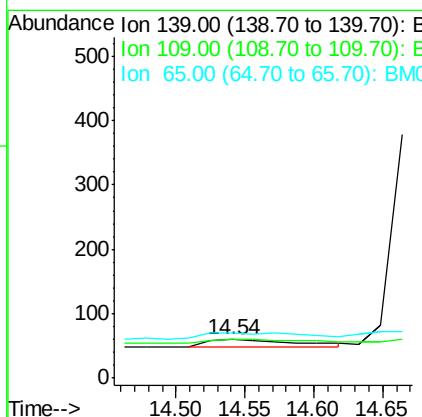
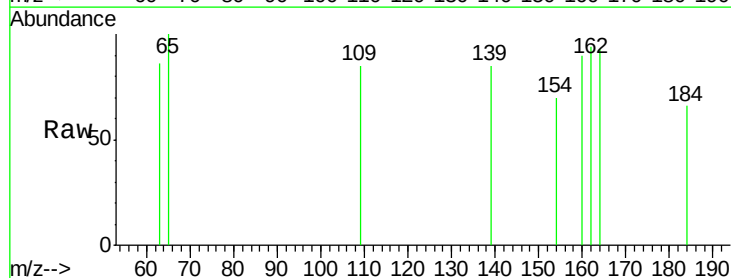
Instrument :
BNA_M
ClientSampleId :
MDL-07-S

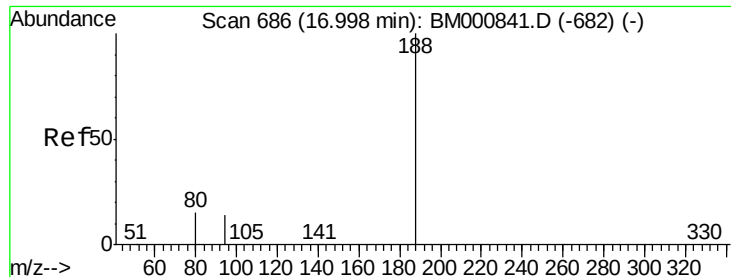
Tot Ion:172 Resp: 171976
Ion Ratio Lower Upper
172 100
171 37.0 30.6 46.0
170 26.5 22.2 33.2



#25
4-Nitrophenol
Concen: 0.25 ng
RT: 14.54 min Scan# 580
Delta R.T. 0.05 min
Lab File: BM000827.D
Acq: 03 Apr 2015 03:32

Tgt Ion:139 Resp: 50
Ion Ratio Lower Upper
139 100
109 100.0 58.2 98.2#
65 118.3 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: BM000827.D

Acq: 03 Apr 2015 03:32

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

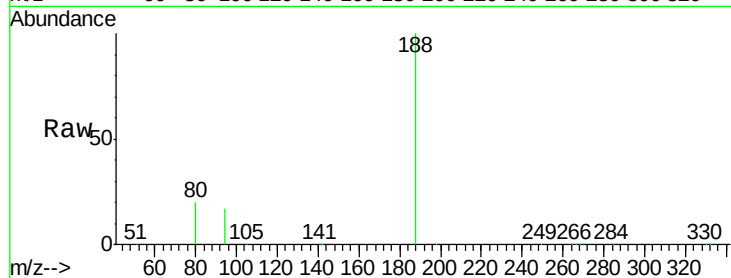
Tot Ion:188 Resp: 124945

Ion Ratio Lower Upper

188 100

94 17.3 13.0 19.6

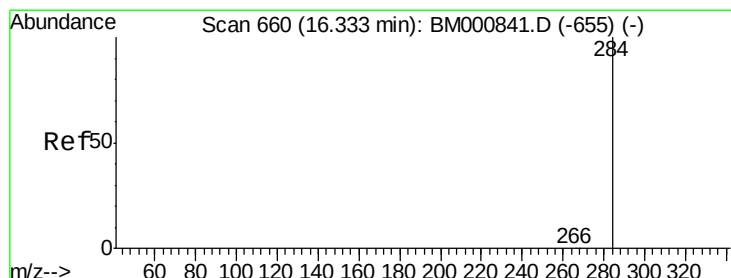
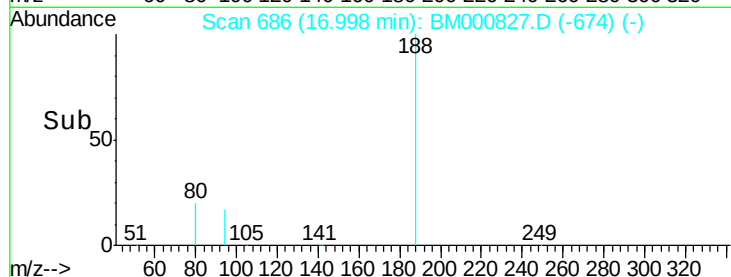
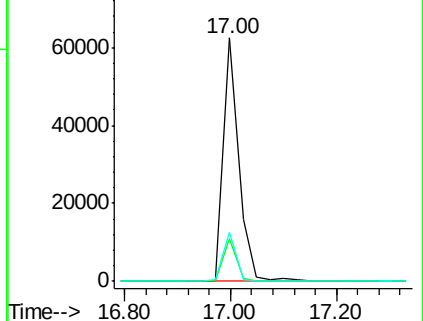
80 20.0 14.7 22.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#28

Hexachlorobenzene

Concen: 0.15 ng

RT: 16.33 min Scan# 660

Delta R.T. 0.00 min

Lab File: BM000827.D

Acq: 03 Apr 2015 03:32

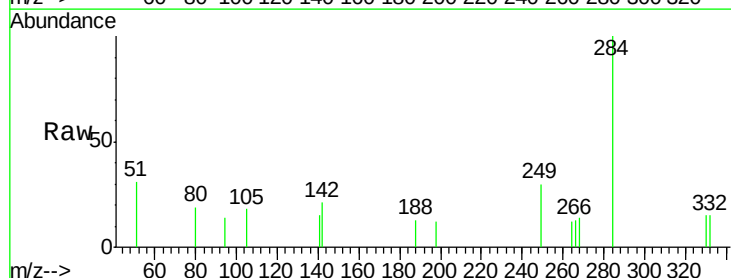
Tgt Ion:284 Resp: 594

Ion Ratio Lower Upper

284 100

142 21.0 6.5 9.7#

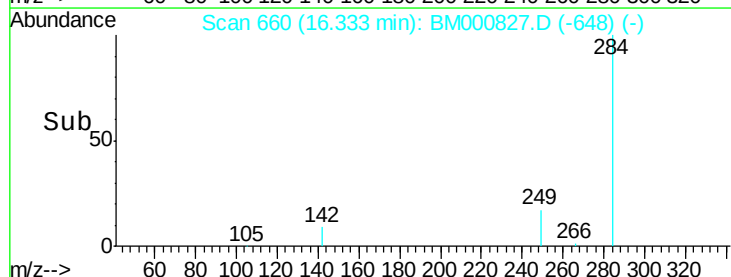
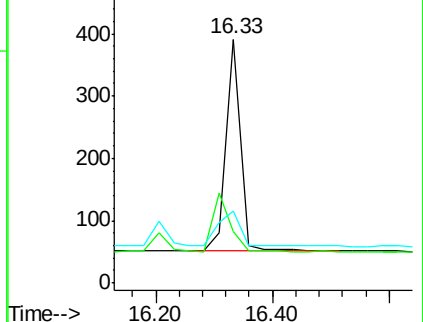
249 29.7 12.6 18.8#

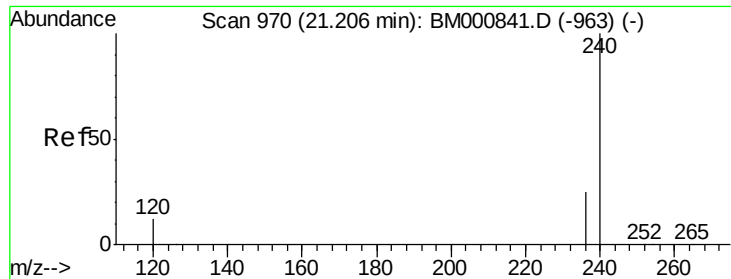


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

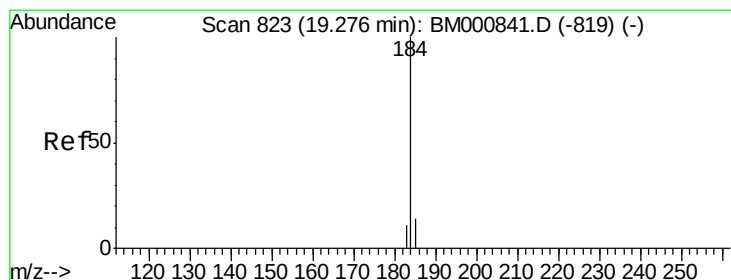
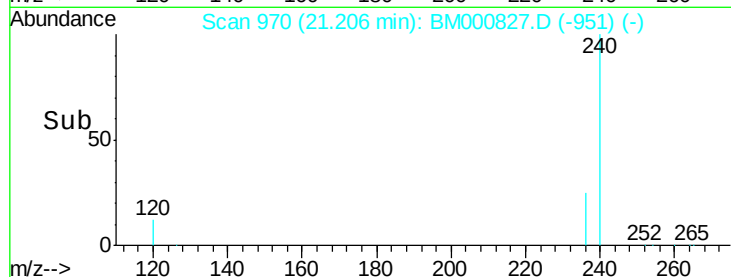
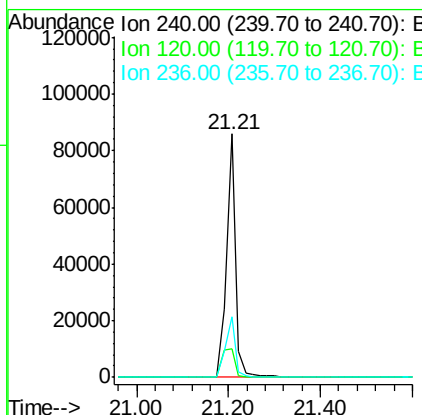
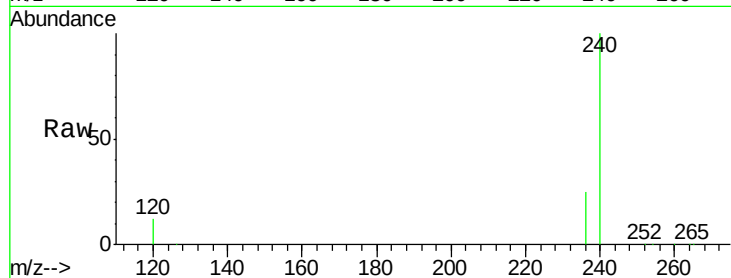




#30
Chrysene-d12
Concen: 5.00 ng
RT: 21.21 min Scan# 970
Delta R.T. -0.00 min
Lab File: BM000827.D
Acq: 03 Apr 2015 03:32

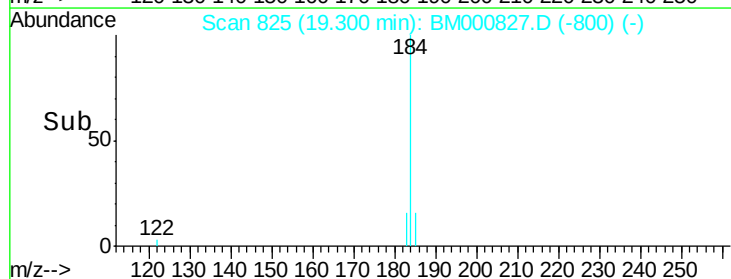
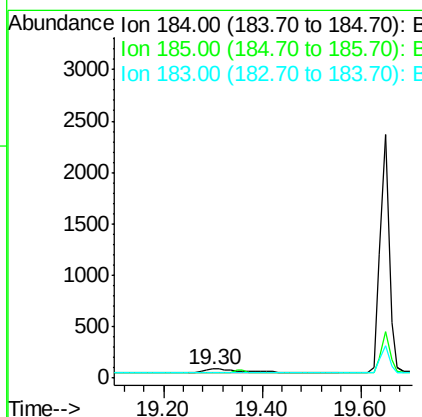
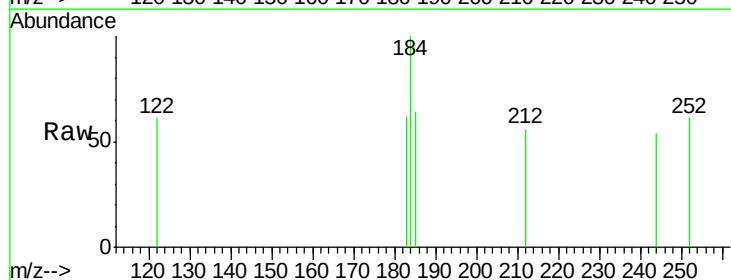
Instrument :
BNA_M
ClientSampleId :
MDL-07-S

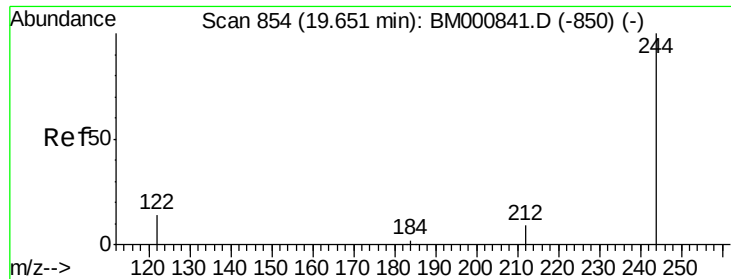
Tot Ion:240 Resp: 115344
Ion Ratio Lower Upper
240 100
120 11.8 11.3 16.9
236 24.8 21.1 31.7



#31
Benzidine
Concen: 0.09 ng
RT: 19.30 min Scan# 825
Delta R.T. 0.00 min
Lab File: BM000827.D
Acq: 03 Apr 2015 03:32

Tgt Ion:184 Resp: 285
Ion Ratio Lower Upper
184 100
185 64.4 39.1 58.7#
183 62.1 36.1 54.1#





#32

Terphenyl-d14

Concen: 9.99 ng

RT: 19.65 min Scan# 854

Delta R.T. -0.00 min

Lab File: BM000827.D

Acq: 03 Apr 2015 03:32

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

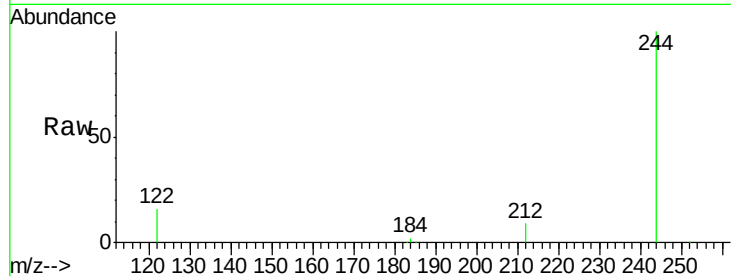
Tot Ion:244 Resp: 138667

Ion Ratio Lower Upper

244 100

212 9.5 8.0 12.0

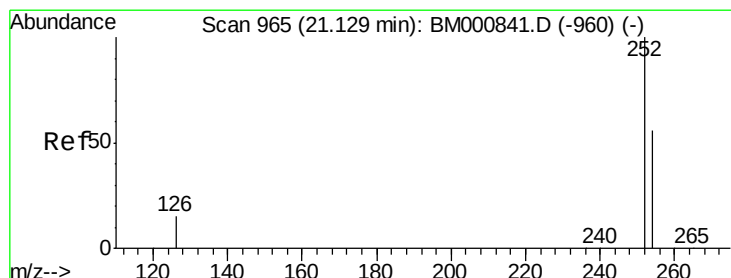
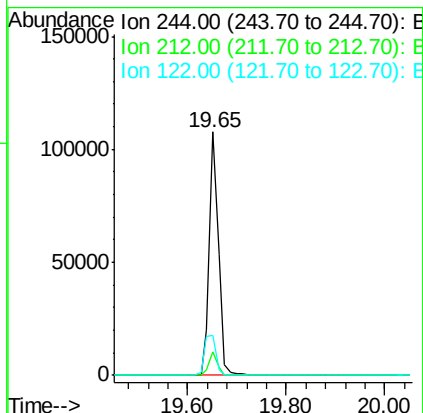
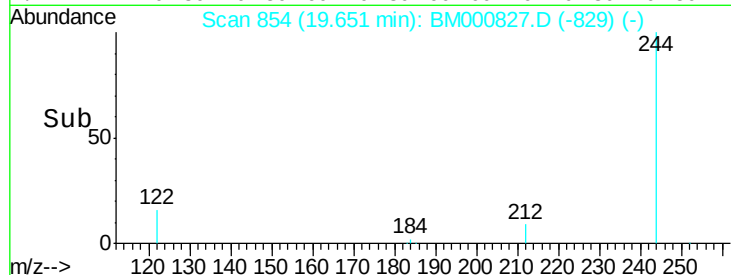
122 16.5 14.7 22.1



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: BM000827.D

Acq: 03 Apr 2015 03:32

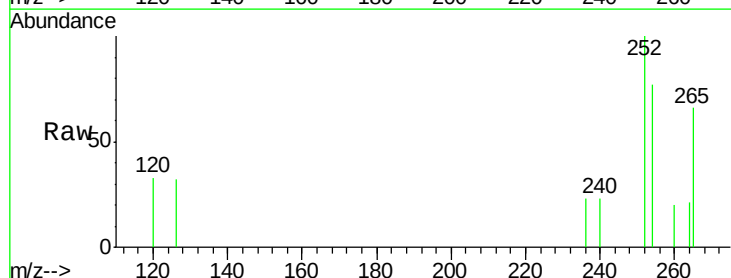
Tgt Ion:252 Resp: 494

Ion Ratio Lower Upper

252 100

254 76.8 44.5 66.7#

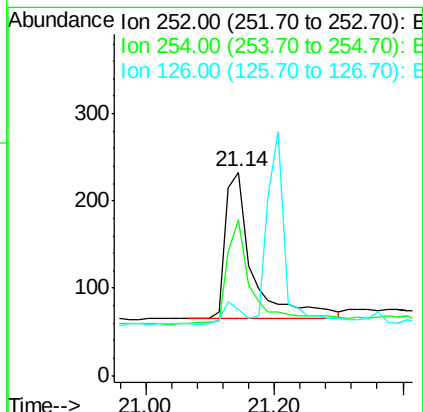
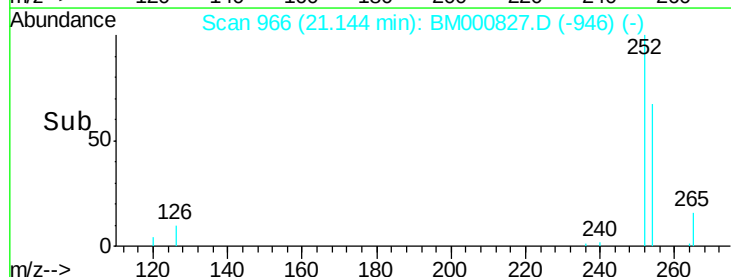
126 32.2 13.6 20.4#

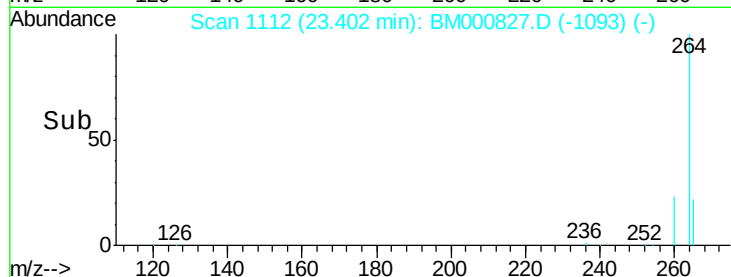
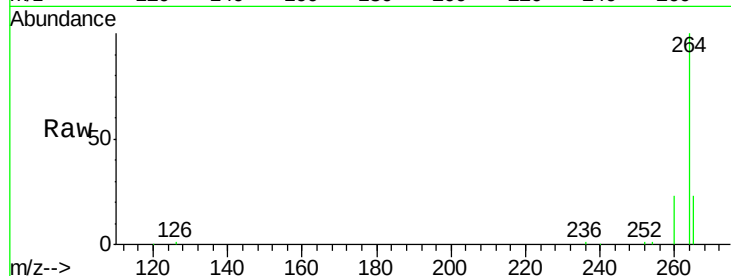
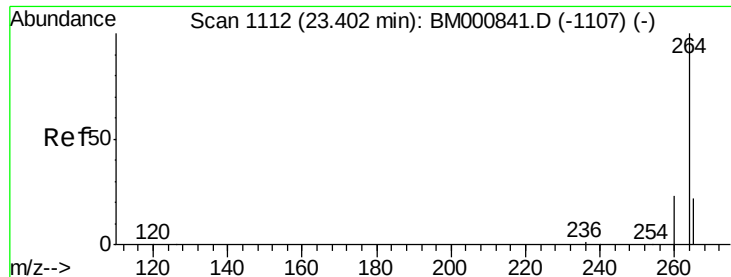


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM000827.D

Acq: 03 Apr 2015 03:32

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

Tot Ion:264 Resp: 106061

Ion Ratio Lower Upper

264 100

260 22.9 19.1 28.7

265 22.9 17.5 26.3

