

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040315\
 Data File : BM000825.D
 Acq On : 03 Apr 2015 02:20
 Operator : TP/IZ
 Sample : MDL-05-S
 Misc : MDL-SOIL-0.1/0.2
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-05-S

Quant Time: Apr 03 18:36:50 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	26964	5.00	ng	0.00
11) Naphthalene-d8	10.39	136	129184	5.00	ng	0.00
19) Acenaphthene-d10	14.28	164	63943	5.00	ng	0.00
26) Phenanthrene-d10	17.00	188	133970	5.00	ng	0.00
30) Chrysene-d12	21.21	240	123900	5.00	ng	0.00
34) Perylene-d12	23.40	264	113770	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	97612	13.14	ng	0.00
5) Phenol-d6	6.77	99	165014	11.57	ng	0.00
12) Nitrobenzene-d5	8.77	82	43512	7.22	ng	0.00
20) 2,4,6-Tribromophenol	15.77	330	26161	9.65	ng	0.00
23) 2-Fluorobiphenyl	12.87	172	188645	9.58	ng	0.00
32) Terphenyl-d14	19.65	244	154467	10.36	ng	0.00

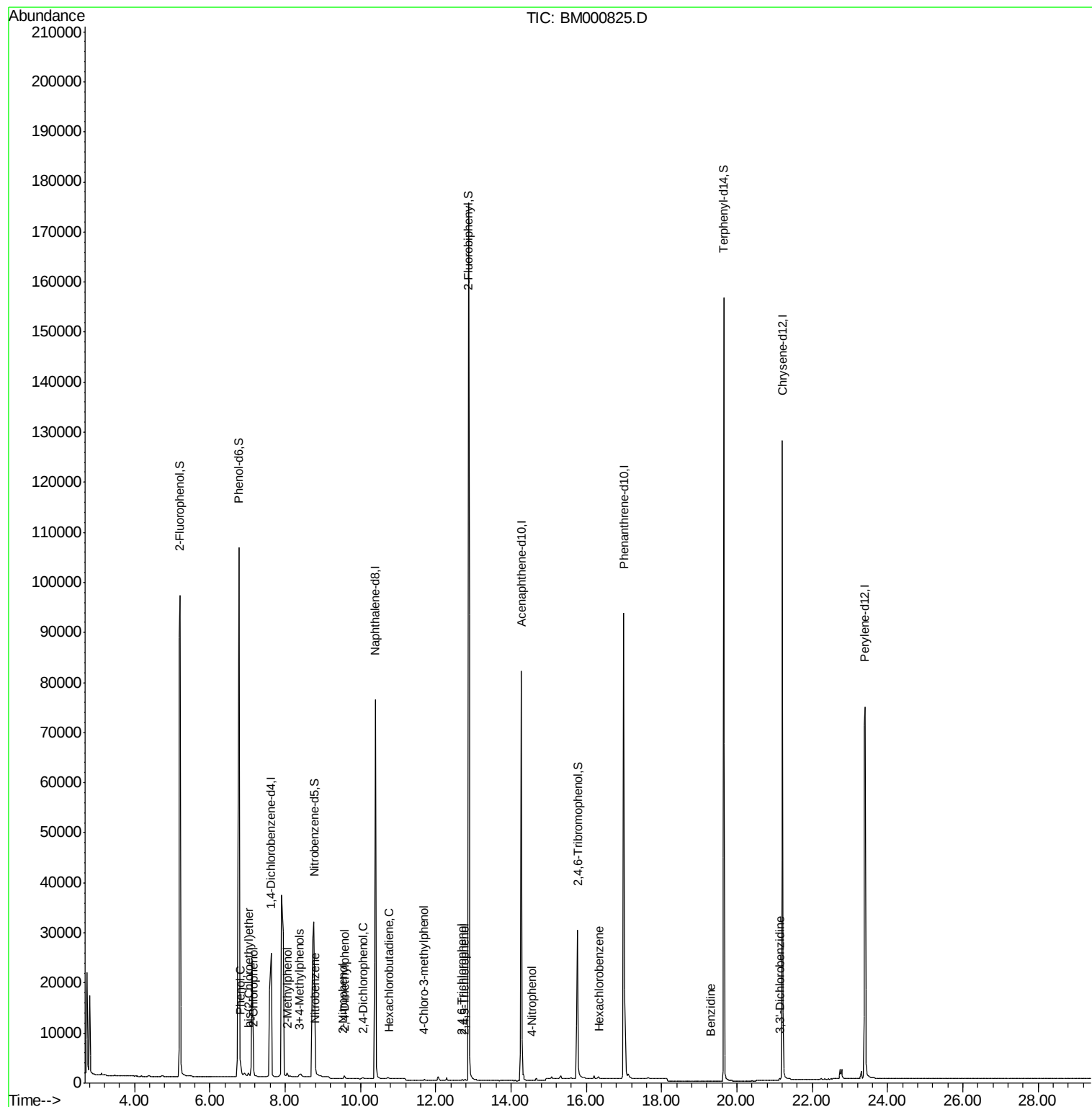
Target Compounds						Qvalue
6) 2-Chlorophenol	7.17	128	755	0.28	ng	84
7) Phenol	6.81	94	994	0.09	ng	64
8) bis(2-Chloroethyl)ether	7.02	93	637m	0.27	ng	
9) 2-Methylphenol	8.06	107	616	0.23	ng	# 78
10) 3+4-Methylphenols	8.38	107	646	0.18	ng	# 75
13) Nitrobenzene	8.80	77	759	0.11	ng	# 81
14) 2-Nitrophenol	9.52	139	381	0.24	ng	# 18
15) 2,4-Dimethylphenol	9.58	122	493	0.07	ng	# 77
16) 2,4-Dichlorophenol	10.07	162	440	0.27	ng	# 84
17) Hexachlorobutadiene	10.75	225	428	0.09	ng	# 91
18) 4-Chloro-3-methylphenol	11.69	107	440	0.07	ng	# 89
21) 2,4,6-Trichlorophenol	12.70	196	227	0.17	ng	# 56
22) 2,4,5-Trichlorophenol	12.77	196	301	0.11	ng	# 82
25) 4-Nitrophenol	14.54	139	66	0.26	ng	# 86
28) Hexachlorobenzene	16.33	284	649	0.15	ng	# 71
31) Benzidine	19.30	184	333	0.11	ng	# 88
33) 3,3'-Dichlorobenzidine	21.14	252	623	0.25	ng	# 71

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

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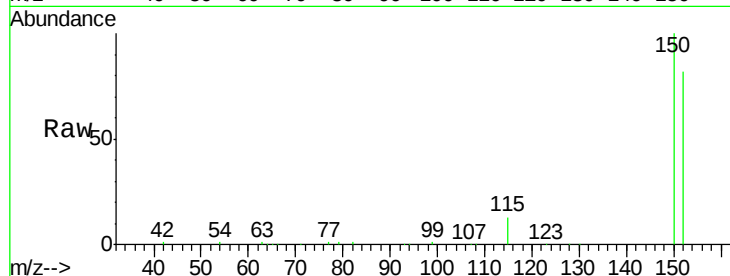


#1

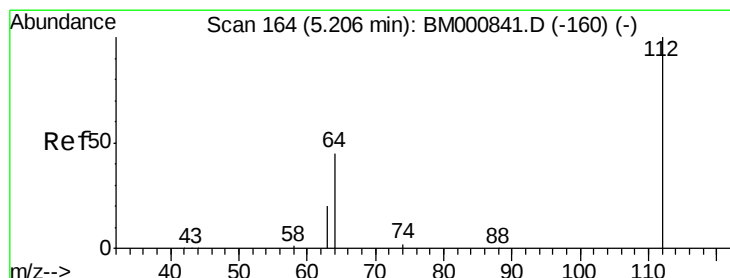
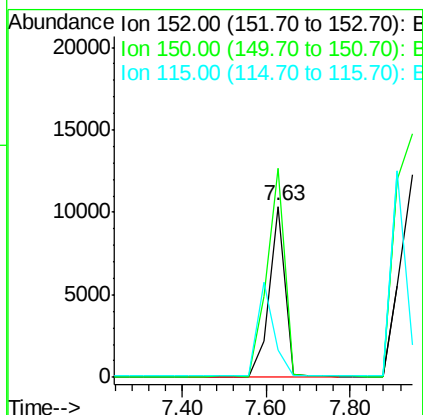
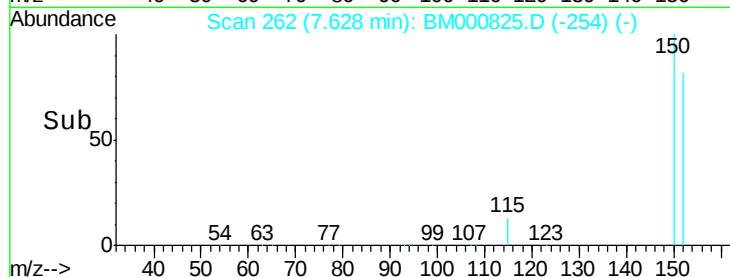
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.63 min Scan# 262
Delta R.T. -0.00 min
Lab File: BM000825.D
Acq: 03 Apr 2015 02:20

Instrument :
BNA_M
ClientSampleId :
MDL-05-S

Tot Ion:152 Resp: 26964
Ion Ratio Lower Upper
152 100
150 122.2 99.8 149.6
115 16.3 13.5 20.3



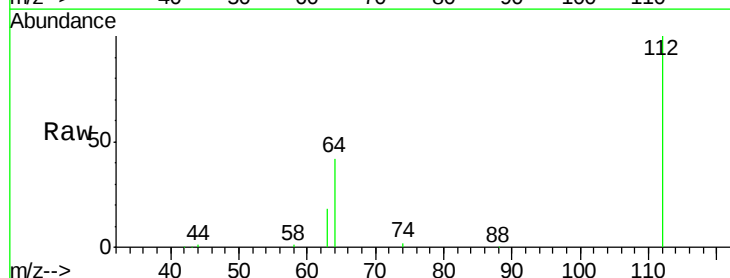
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



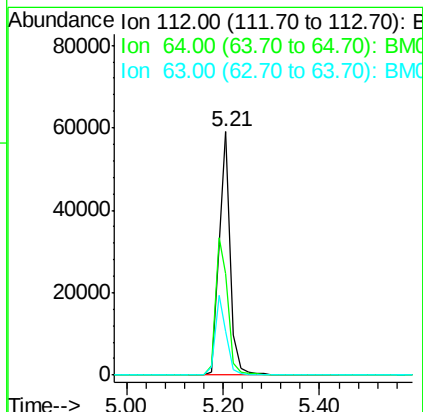
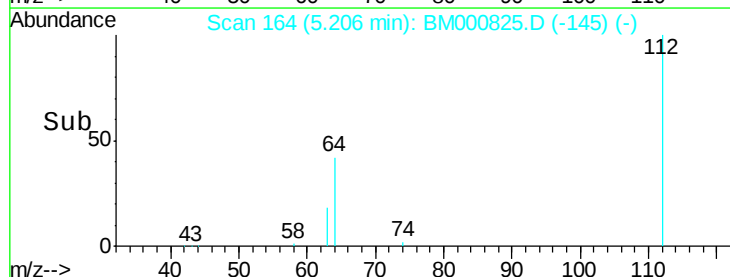
#4

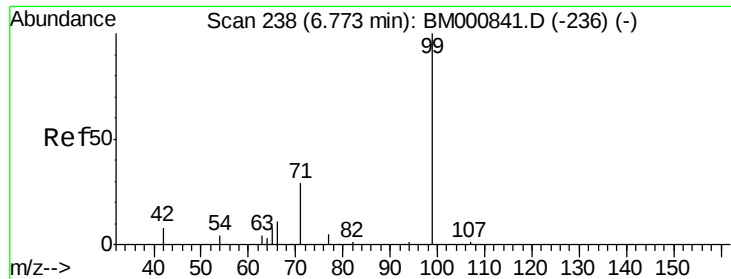
2-Fluorophenol
Concen: 13.14 ng
RT: 5.21 min Scan# 164
Delta R.T. -0.00 min
Lab File: BM000825.D
Acq: 03 Apr 2015 02:20

Tgt Ion:112 Resp: 97612
Ion Ratio Lower Upper
112 100
64 41.7 40.3 60.5
63 18.2 19.0 28.4#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM
Ion 63.00 (62.70 to 63.70): BM





#5

Phenol-d6

Concen: 11.57 ng

RT: 6.77 min Scan# 238

Delta R.T. 0.00 min

Lab File: BM000825.D

Acq: 03 Apr 2015 02:20

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

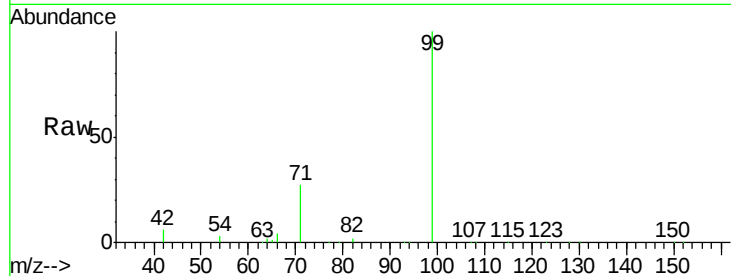
Tot Ion: 99 Resp: 165014

Ion Ratio Lower Upper

99 100

42 5.8 10.2 15.4#

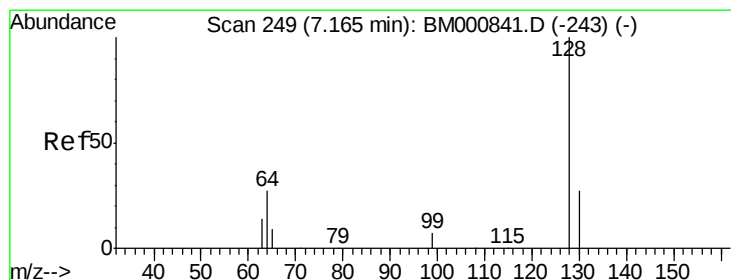
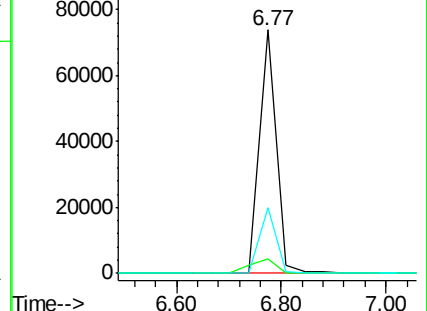
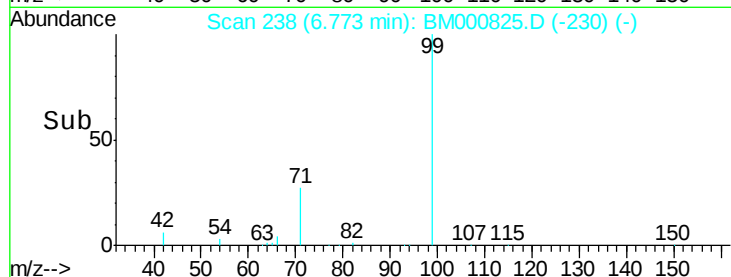
71 26.8 28.6 43.0#



Abundance Ion 99.00 (98.70 to 99.70): BM000825.D (-236) (-)

Ion 42.00 (41.70 to 42.70): BM000825.D (-236) (-)

Ion 71.00 (70.70 to 71.70): BM000825.D (-236) (-)



#6

2-Chlorophenol

Concen: 0.28 ng

RT: 7.17 min Scan# 249

Delta R.T. 0.00 min

Lab File: BM000825.D

Acq: 03 Apr 2015 02:20

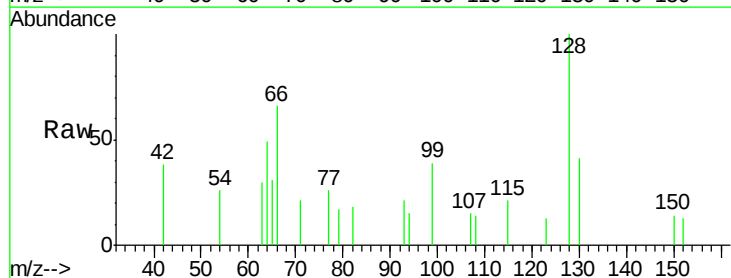
Tgt Ion: 128 Resp: 755

Ion Ratio Lower Upper

128 100

130 41.4 7.6 47.6

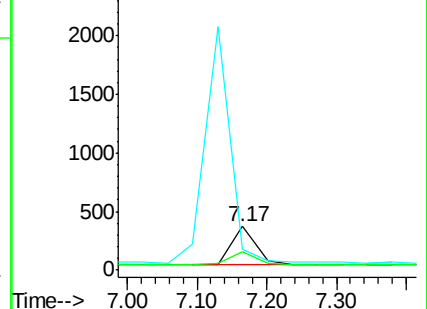
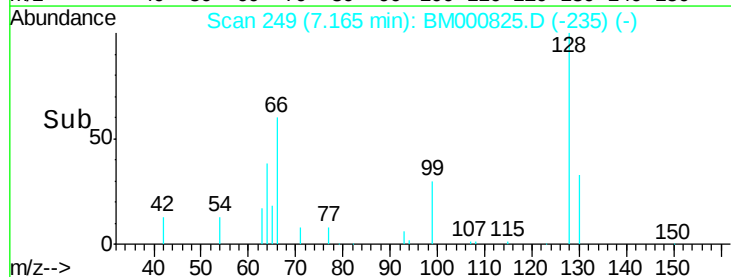
64 48.9 23.1 63.1

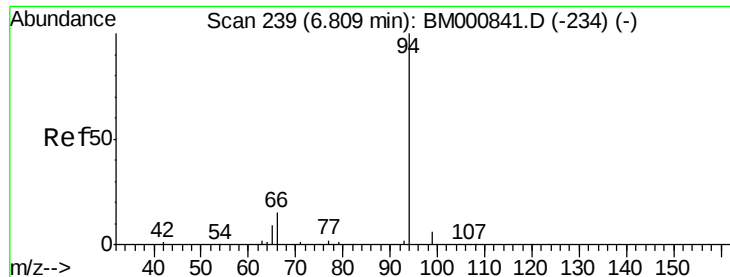


Abundance Ion 128.00 (127.70 to 128.70): BM000825.D (-235) (-)

Ion 130.00 (129.70 to 130.70): BM000825.D (-235) (-)

Ion 64.00 (63.70 to 64.70): BM000825.D (-235) (-)





#7

Phenol

Concen: 0.09 ng

RT: 6.81 min Scan# 239

Delta R.T. -0.00 min

Lab File: BM000825.D

Acq: 03 Apr 2015 02:20

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

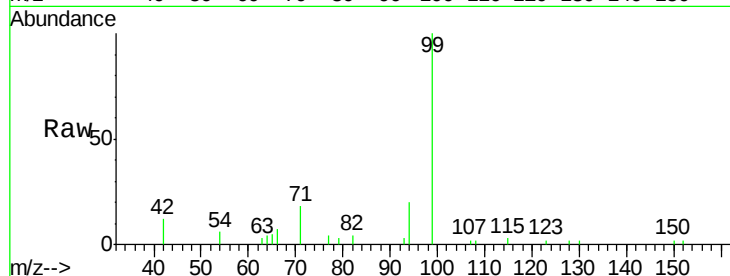
Tot Ion: 94 Resp: 994

Ion Ratio Lower Upper

94 100

65 22.7 0.0 32.0

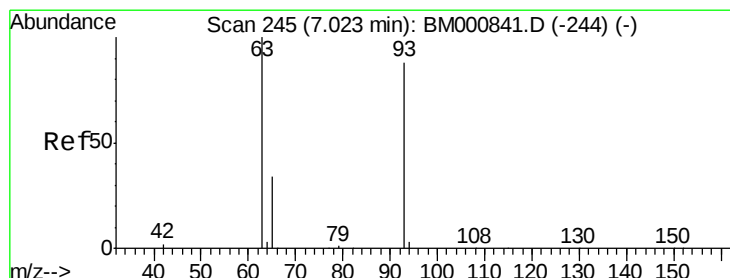
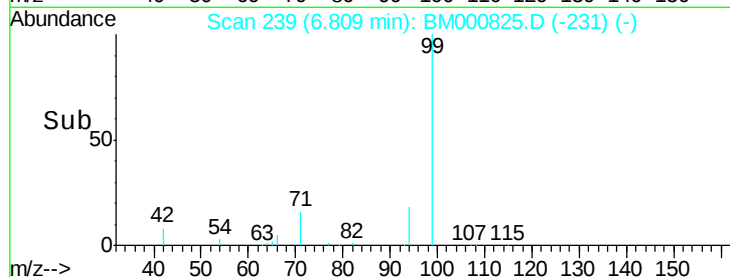
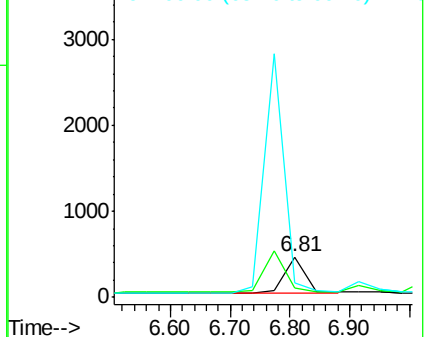
66 35.7 0.0 37.6



Abundance Ion 94.00 (93.70 to 94.70): BM000825.D (-231) (-)

Ion 65.00 (64.70 to 65.70): BM000825.D (-231) (-)

Ion 66.00 (65.70 to 66.70): BM000825.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: BM000825.D

Acq: 03 Apr 2015 02:20

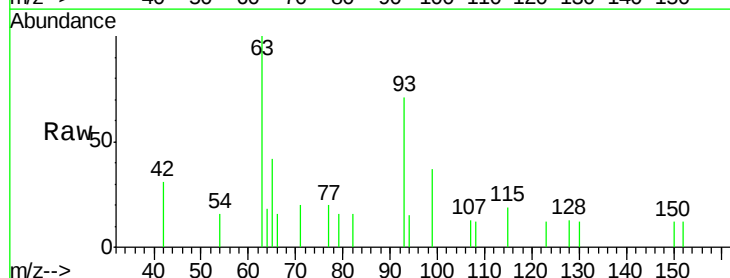
Tgt Ion: 93 Resp: 637

Ion Ratio Lower Upper

93 100

63 141.6 118.9 158.9

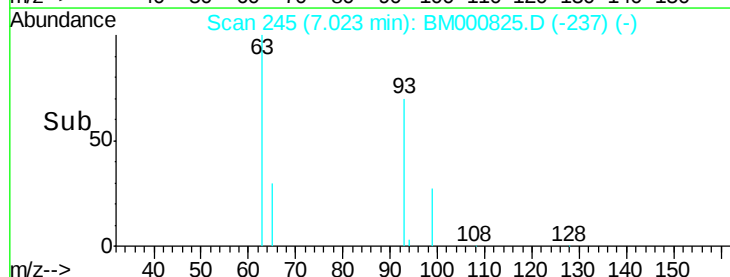
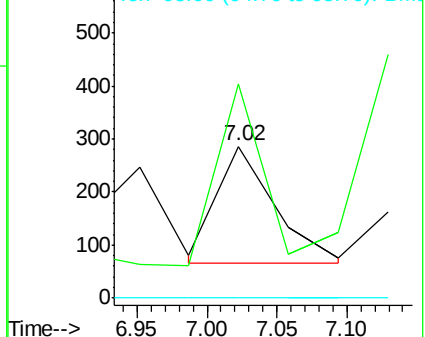
95 0.0 0.0 20.0

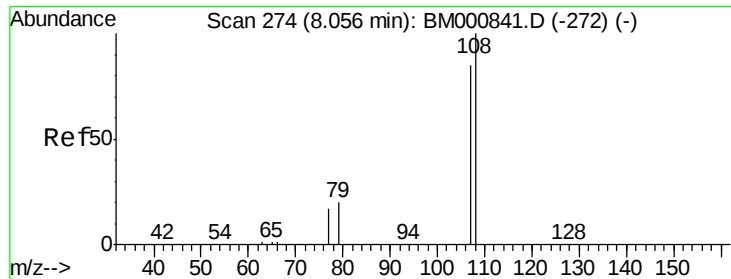


Abundance Ion 93.00 (92.70 to 93.70): BM000825.D (-237) (-)

Ion 63.00 (62.70 to 63.70): BM000825.D (-237) (-)

Ion 95.00 (94.70 to 95.70): BM000825.D (-237) (-)





#9

2-Methylphenol

Concen: 0.23 ng

RT: 8.06 min Scan# 274

Delta R.T. -0.00 min

Lab File: BM000825.D

Acq: 03 Apr 2015 02:20

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

Tot Ion:107 Resp: 616

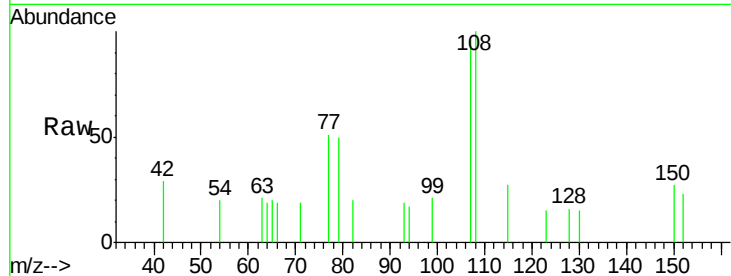
Ion Ratio Lower Upper

107 100

108 104.6 92.0 138.0

77 53.0 20.6 31.0#

79 52.6 22.9 34.3#

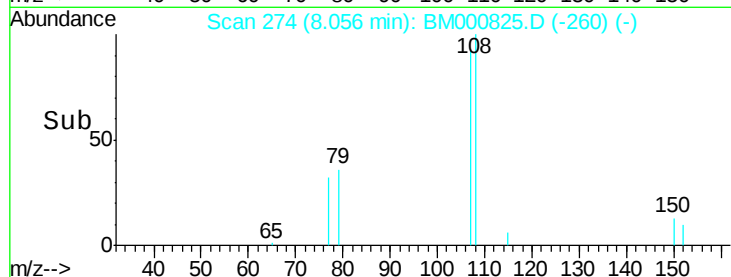


Abundance Ion 107.00 (106.70 to 107.70): E

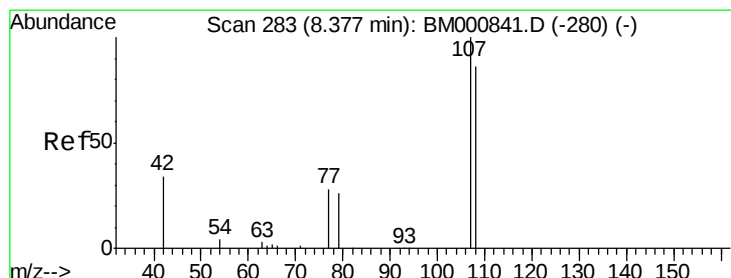
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BMC

Ion 79.00 (78.70 to 79.70): BMC



Time-->



#10

3+4-Methylphenols

Concen: 0.18 ng

RT: 8.38 min Scan# 283

Delta R.T. 0.00 min

Lab File: BM000825.D

Acq: 03 Apr 2015 02:20

Tgt Ion:107 Resp: 646

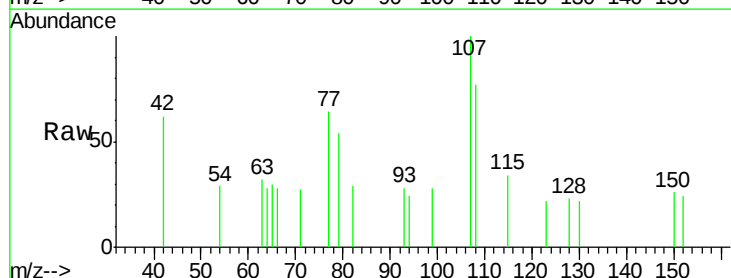
Ion Ratio Lower Upper

107 100

108 77.4 62.6 102.6

77 64.3 12.8 52.8#

79 54.3 10.3 50.3#

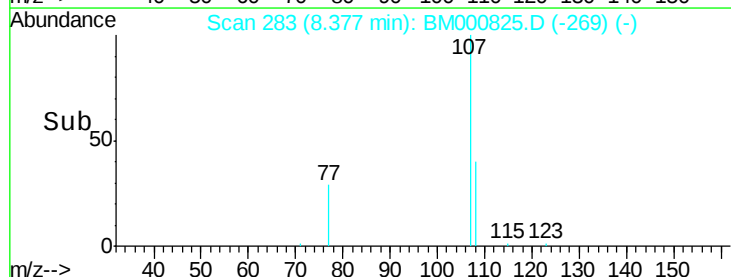


Abundance Ion 107.00 (106.70 to 107.70): E

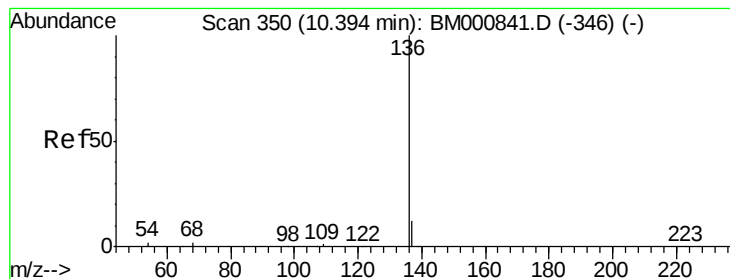
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BMC

Ion 79.00 (78.70 to 79.70): BMC



Time-->



#11

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 350

Delta R.T. -0.00 min

Lab File: BM000825.D

Acq: 03 Apr 2015 02:20

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

Tot Ion:136 Resp: 129184

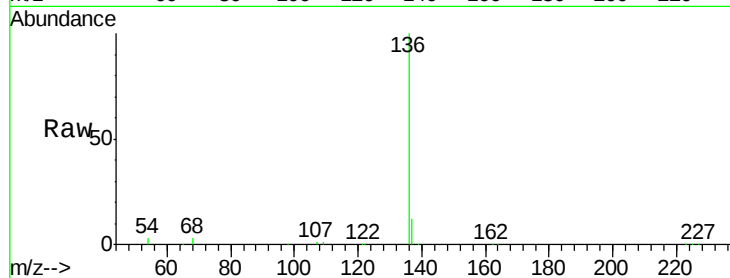
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 2.8 2.2 3.4

68 2.7 2.2 3.2

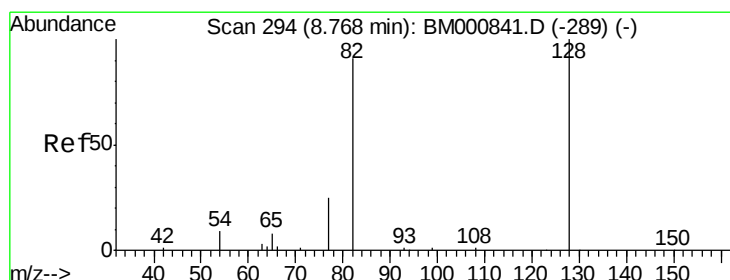
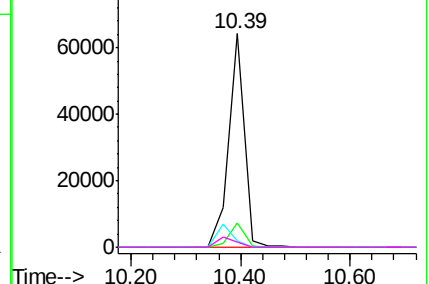
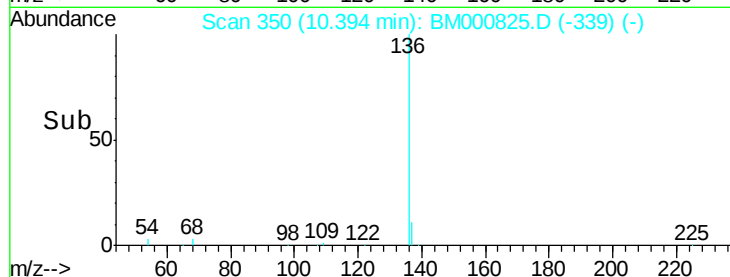


Abundance Ion 136.00 (135.70 to 136.70): E

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: 7.22 ng

RT: 8.77 min Scan# 294

Delta R.T. -0.00 min

Lab File: BM000825.D

Acq: 03 Apr 2015 02:20

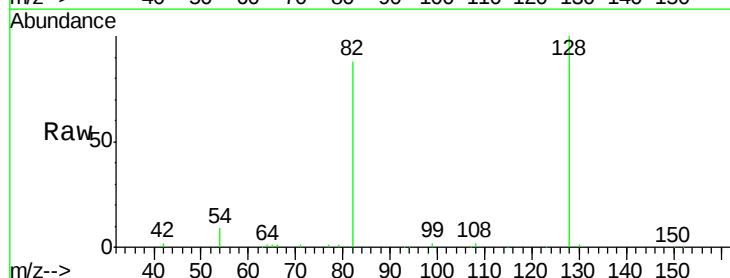
Tgt Ion: 82 Resp: 43512

Ion Ratio Lower Upper

82 100

128 114.0 72.5 108.7#

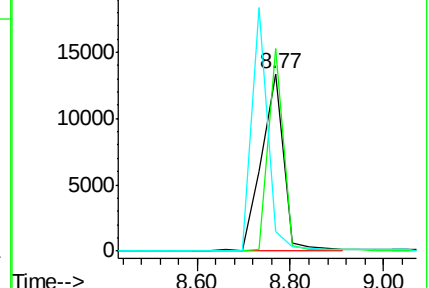
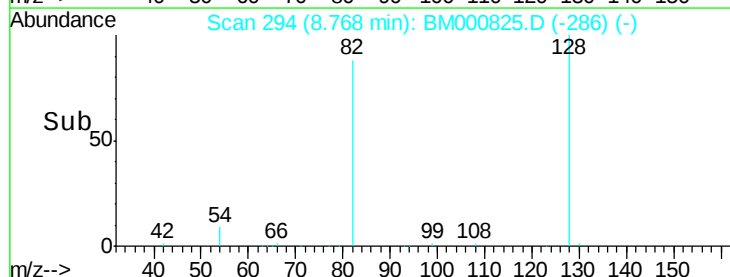
54 10.7 11.8 17.8#

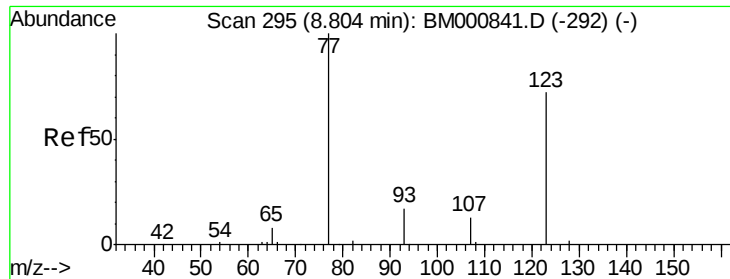


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM

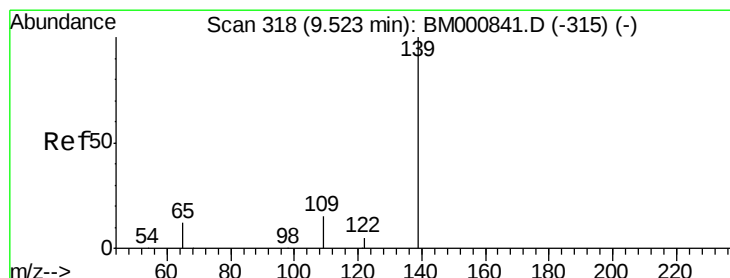
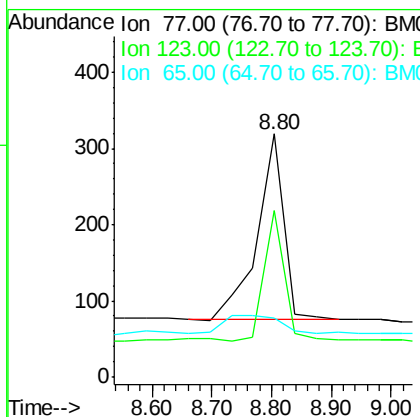
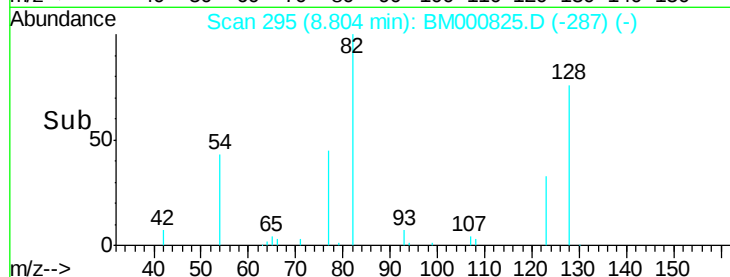
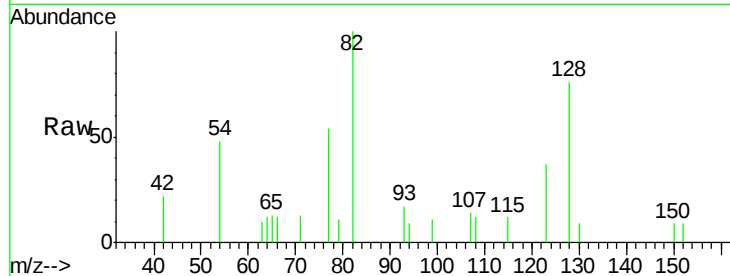




#13
 Nitrobenzene
 Concen: 0.11 ng
 RT: 8.80 min Scan# 295
 Delta R.T. -0.00 min
 Lab File: BM000825.D
 Acq: 03 Apr 2015 02:20

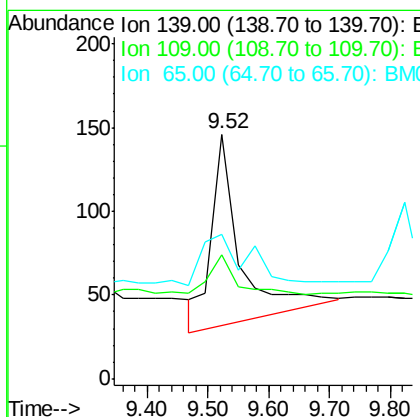
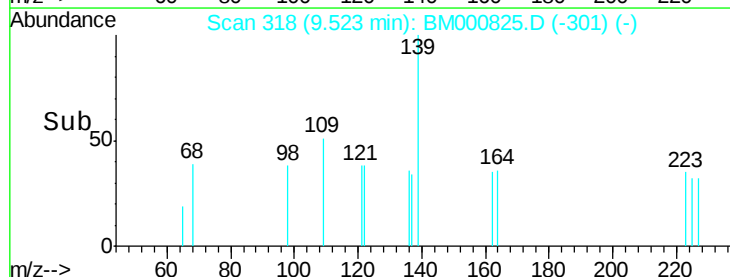
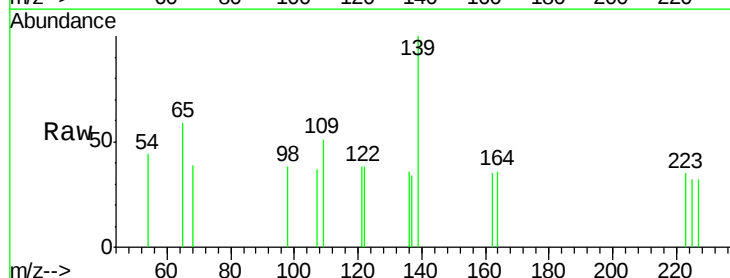
Instrument :
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 MDL-05-S

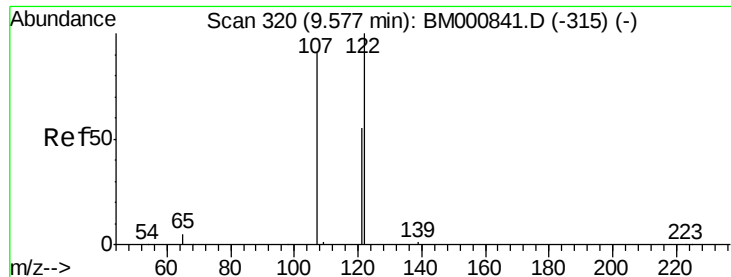
Tot Ion: 77 Resp: 759
 Ion Ratio Lower Upper
 77 100
 123 68.7 45.8 68.6#
 65 24.1 8.2 12.4#



#14
 2-Nitrophenol
 Concen: 0.24 ng
 RT: 9.52 min Scan# 318
 Delta R.T. 0.00 min
 Lab File: BM000825.D
 Acq: 03 Apr 2015 02:20

Tgt Ion: 139 Resp: 381
 Ion Ratio Lower Upper
 139 100
 109 50.7 15.0 22.6#
 65 58.9 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: BM000825.D

Acq: 03 Apr 2015 02:20

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

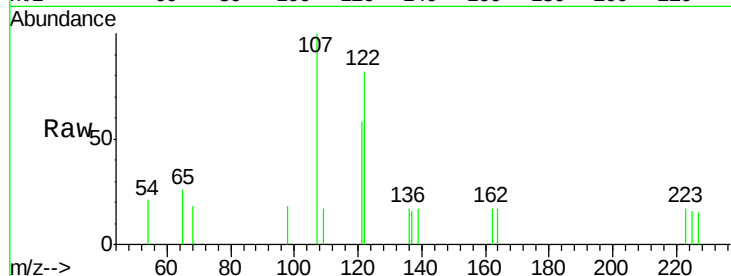
Tot Ion:122 Resp: 493

Ion Ratio Lower Upper

122 100

107 122.1 78.2 117.4#

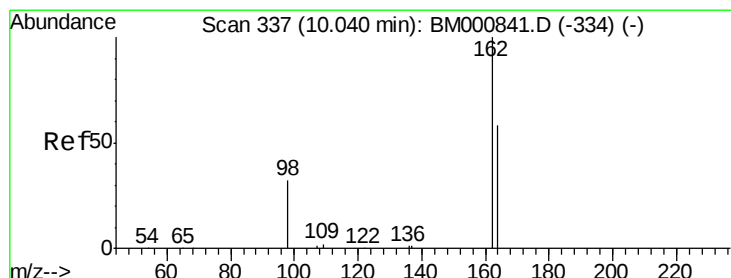
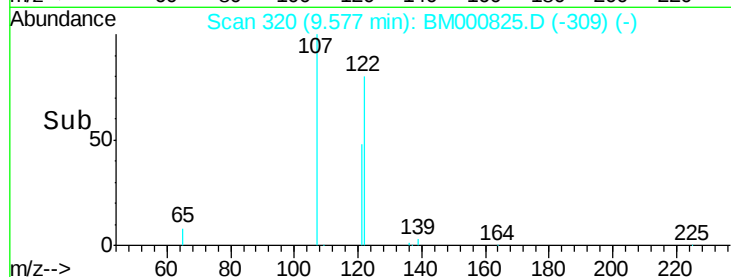
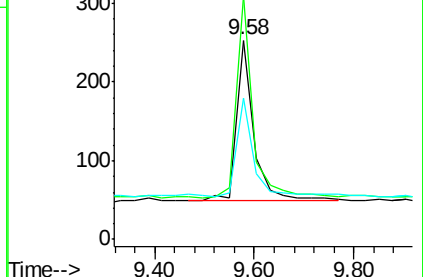
121 71.1 45.4 68.0#



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: BM000825.D

Acq: 03 Apr 2015 02:20

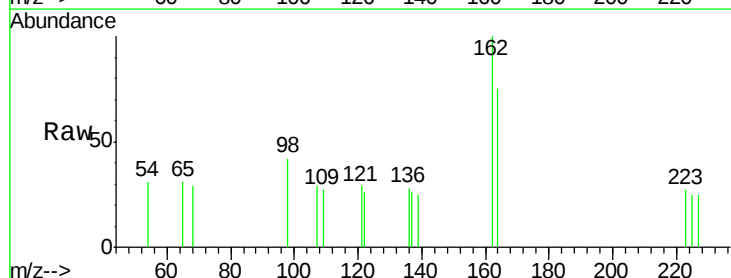
Tgt Ion:162 Resp: 440

Ion Ratio Lower Upper

162 100

164 75.4 37.1 77.1

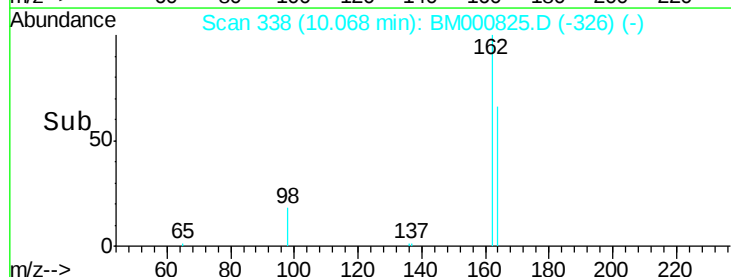
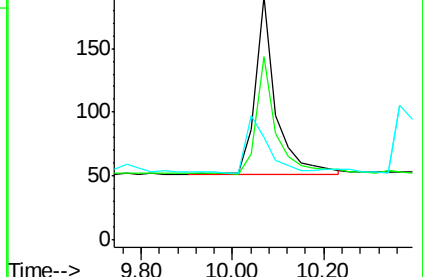
98 41.9 19.5 59.5

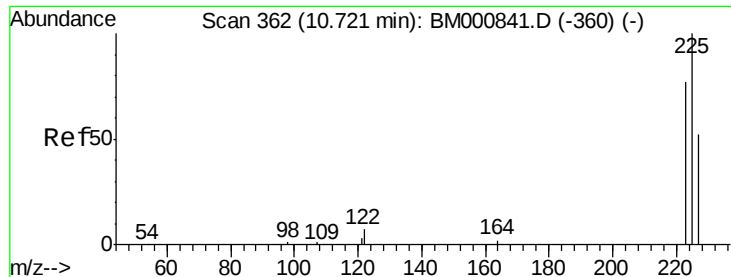


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM

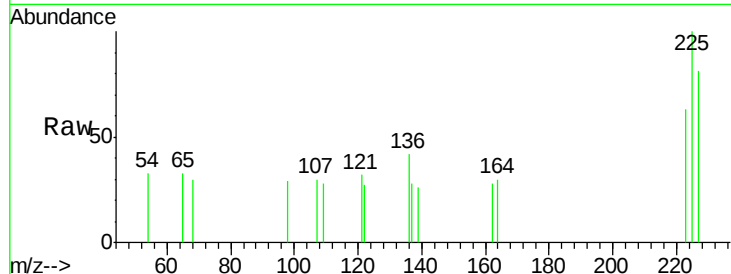




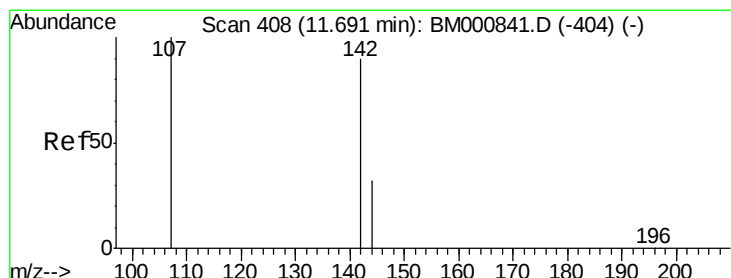
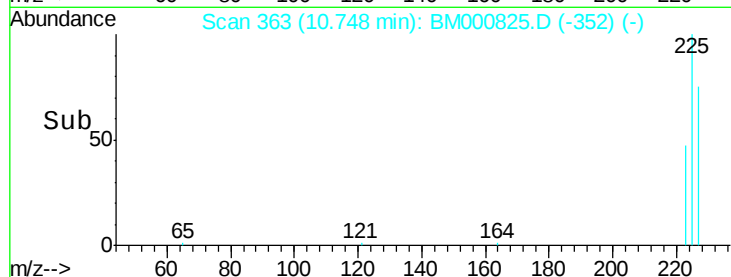
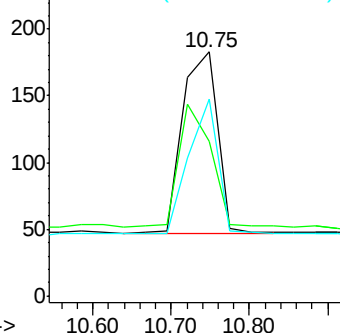
#17
Hexachlorobutadiene
Concen: 0.09 ng
RT: 10.75 min Scan# 363
Delta R.T. -0.00 min
Lab File: BM000825.D
Acq: 03 Apr 2015 02:20

Instrument :
BNA_M
ClientSampleId :
MDL-05-S

Tot Ion:225 Resp: 428
Ion Ratio Lower Upper
225 100
223 63.4 40.8 61.2#
227 80.9 62.8 94.2

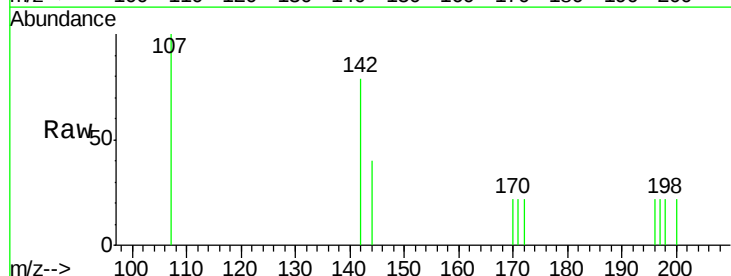


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

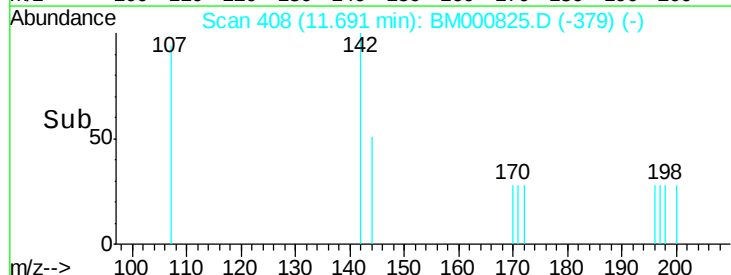
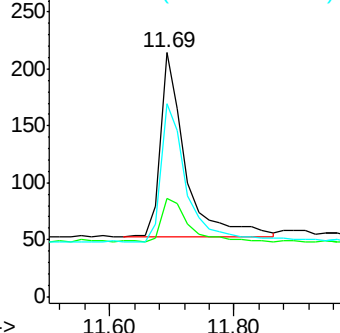


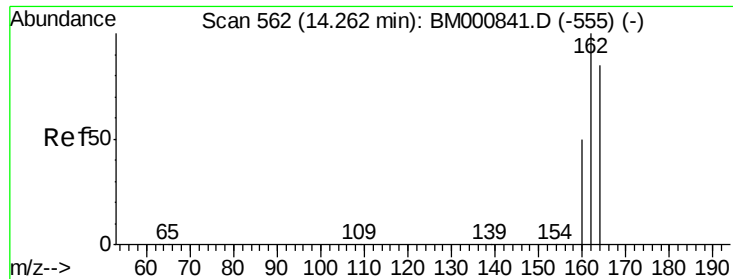
#18
4-Chloro-3-methylphenol
Concen: 0.07 ng
RT: 11.69 min Scan# 408
Delta R.T. -0.00 min
Lab File: BM000825.D
Acq: 03 Apr 2015 02:20

Tgt Ion:107 Resp: 440
Ion Ratio Lower Upper
107 100
144 40.2 25.8 38.8#
142 79.4 71.3 106.9



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

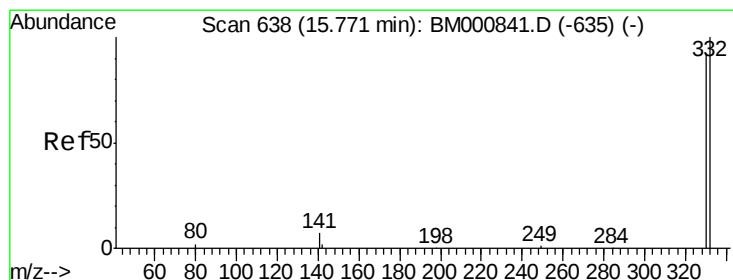
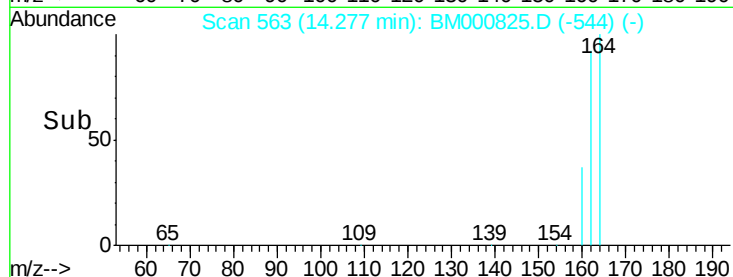
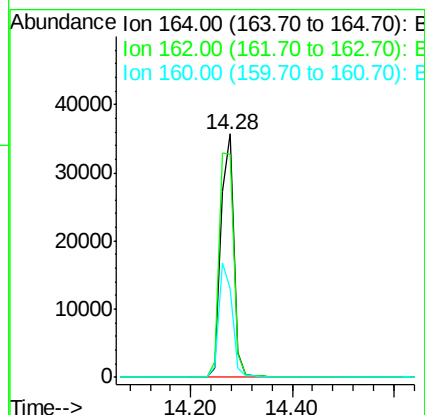
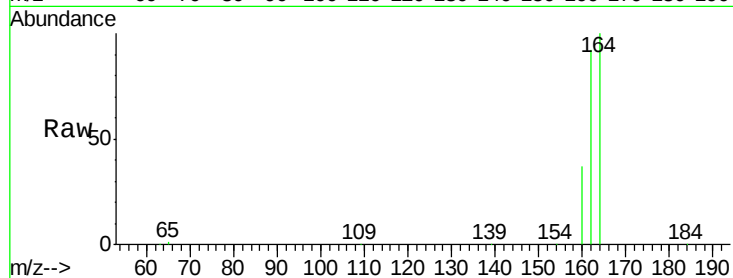




#19
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.28 min Scan# 563
Delta R.T. -0.00 min
Lab File: BM000825.D
Acq: 03 Apr 2015 02:20

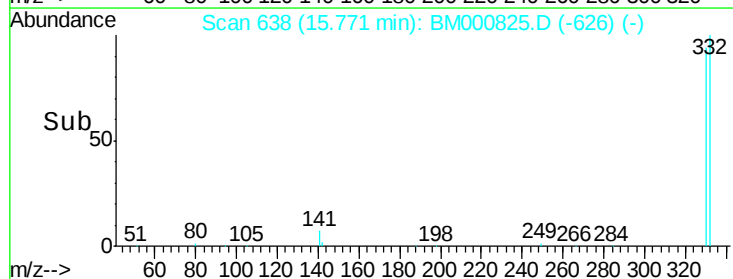
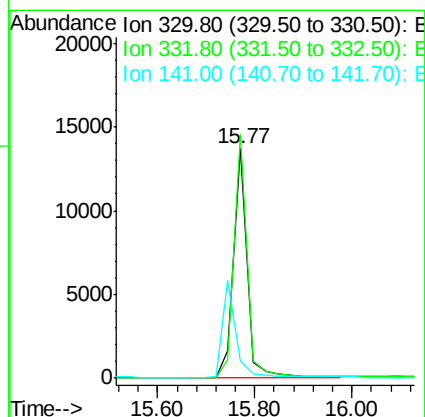
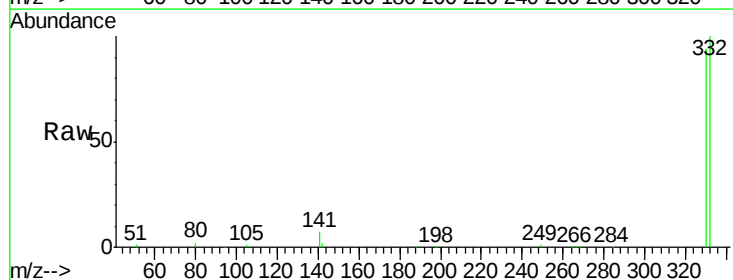
Instrument :
BNA_M
ClientSampleId :
MDL-05-S

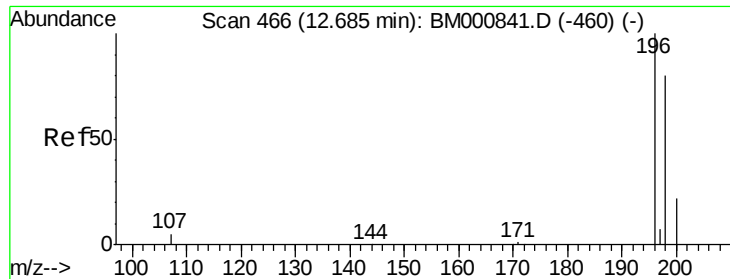
Tot Ion:164 Resp: 63943
Ion Ratio Lower Upper
164 100
162 91.9 74.2 111.2
160 36.7 30.4 45.6



#20
2,4,6-Tribromophenol
Concen: 9.65 ng
RT: 15.77 min Scan# 638
Delta R.T. 0.00 min
Lab File: BM000825.D
Acq: 03 Apr 2015 02:20

Tgt Ion:330 Resp: 26161
Ion Ratio Lower Upper
330 100
332 102.2 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: BM000825.D

Acq: 03 Apr 2015 02:20

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

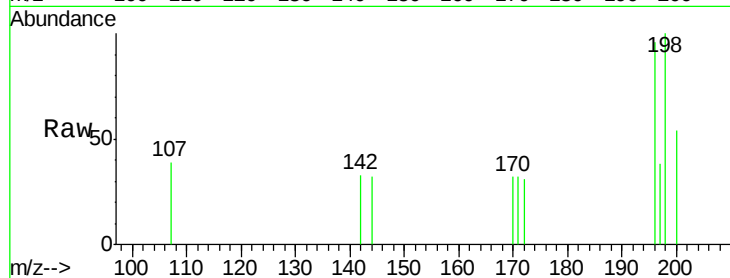
Tot Ion:196 Resp: 227

Ion Ratio Lower Upper

196 100

198 104.1 59.5 89.3#

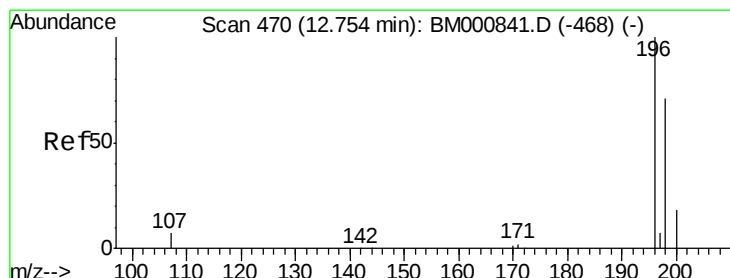
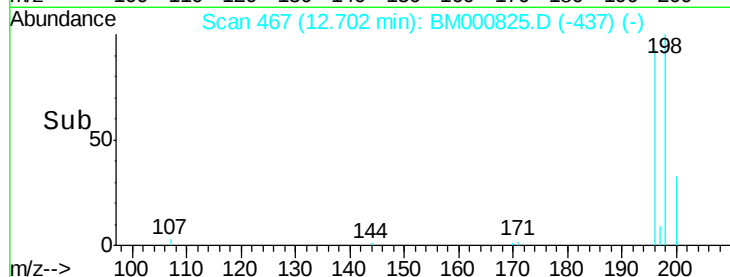
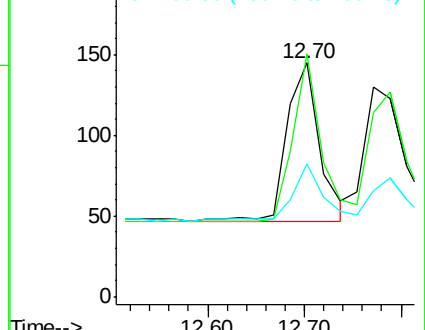
200 56.6 17.4 26.0#



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: BM000825.D

Acq: 03 Apr 2015 02:20

Tgt Ion:196 Resp: 301

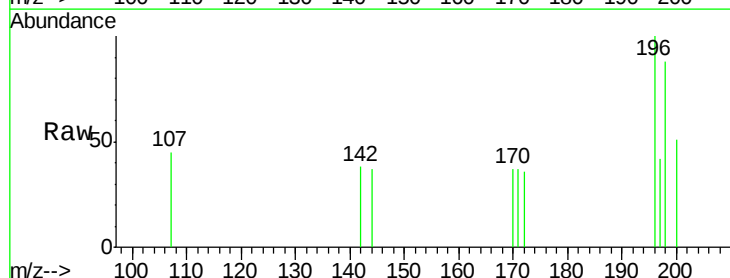
Ion Ratio Lower Upper

196 100

198 87.7 57.9 86.9#

97 0.0 0.0 0.0

132 0.0 0.0 0.0

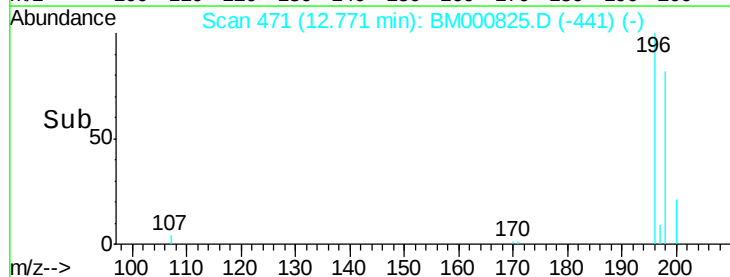
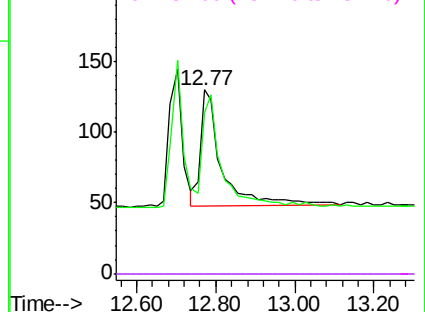


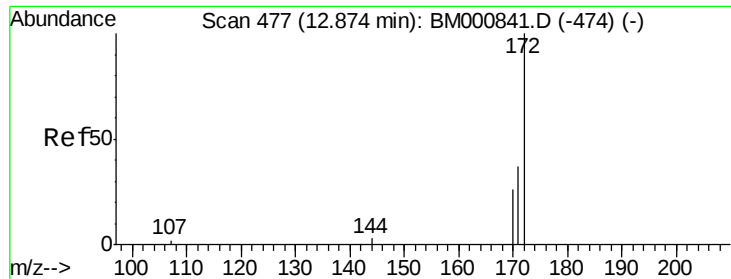
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BM

Ion 132.00 (131.70 to 132.70): E

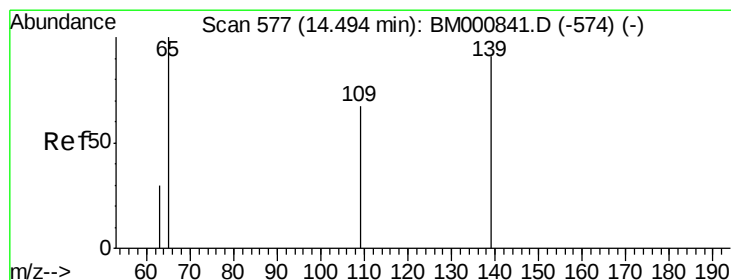
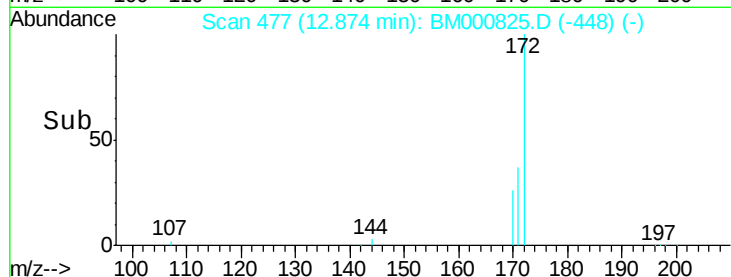
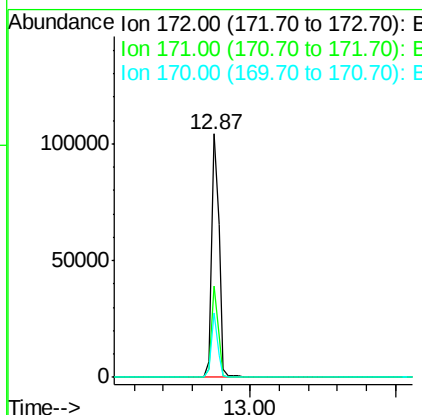
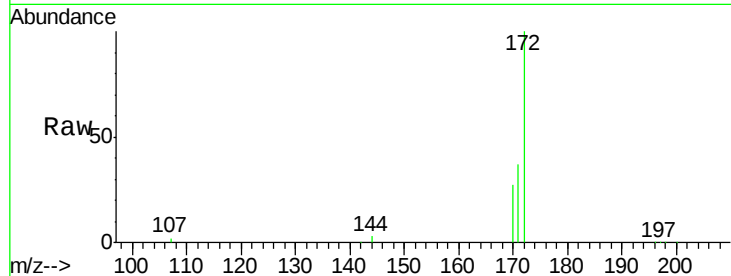




#23
2-Fluorobiphenyl
Concen: 9.58 ng
RT: 12.87 min Scan# 477
Delta R.T. -0.00 min
Lab File: BM000825.D
Acq: 03 Apr 2015 02:20

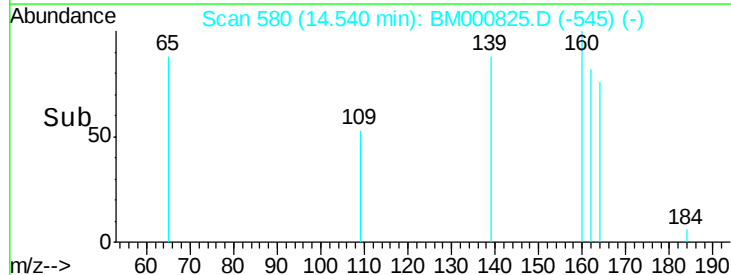
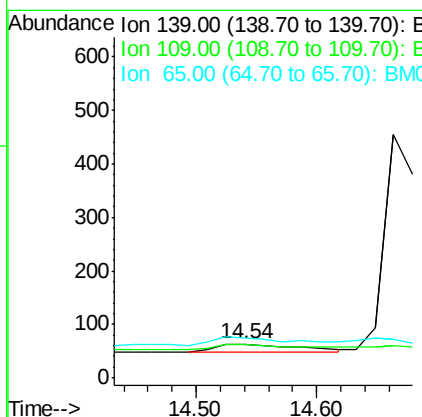
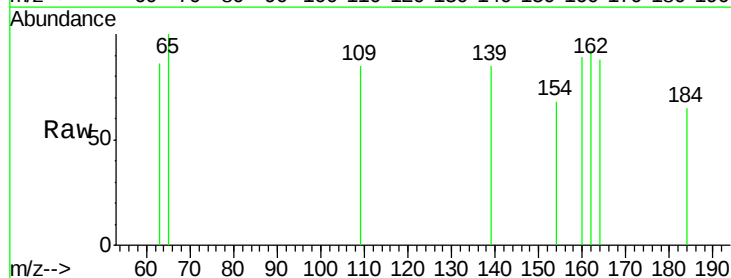
Instrument :
BNA_M
ClientSampleId :
MDL-05-S

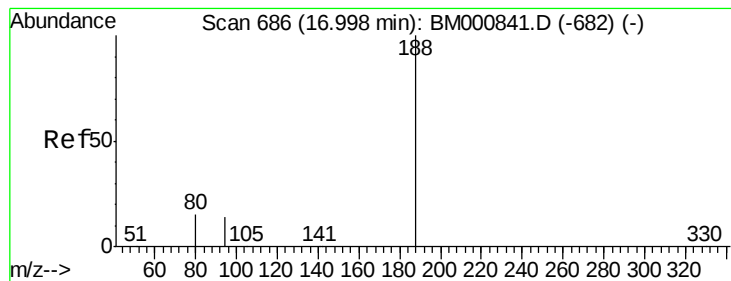
Tot Ion:172 Resp: 188645
Ion Ratio Lower Upper
172 100
171 37.2 30.6 46.0
170 26.5 22.2 33.2



#25
4-Nitrophenol
Concen: 0.26 ng
RT: 14.54 min Scan# 580
Delta R.T. 0.05 min
Lab File: BM000825.D
Acq: 03 Apr 2015 02:20

Tgt Ion:139 Resp: 66
Ion Ratio Lower Upper
139 100
109 100.0 58.2 98.2#
65 117.5 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: BM000825.D

Acq: 03 Apr 2015 02:20

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

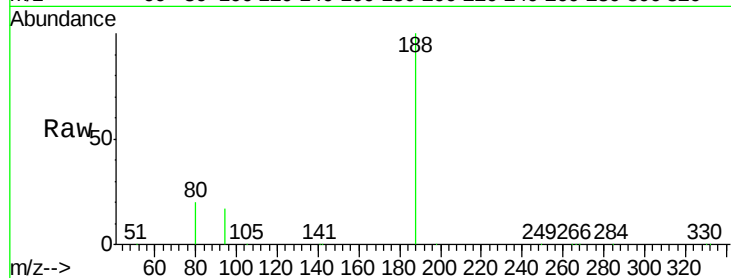
Tot Ion:188 Resp: 133970

Ion Ratio Lower Upper

188 100

94 17.4 13.0 19.6

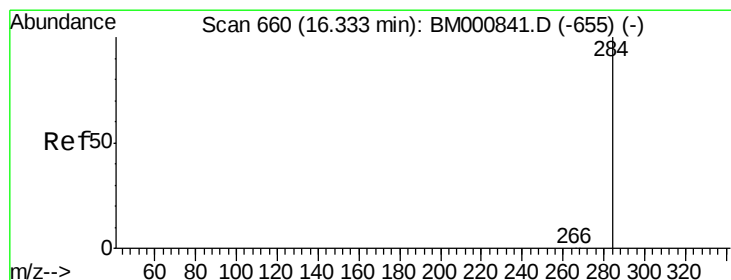
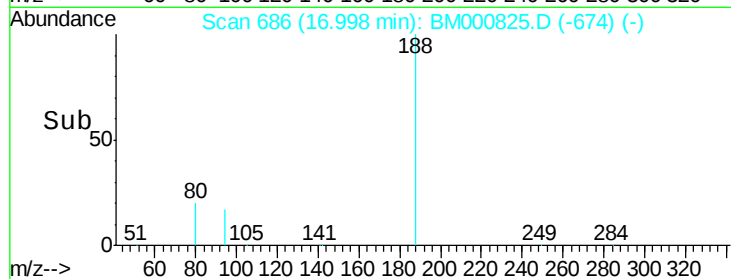
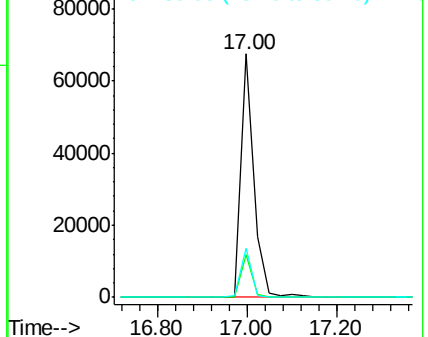
80 20.1 14.7 22.1



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: BM000825.D

Acq: 03 Apr 2015 02:20

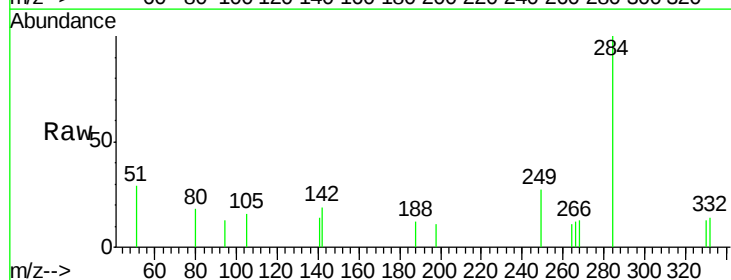
Tgt Ion:284 Resp: 649

Ion Ratio Lower Upper

284 100

142 19.1 6.5 9.7#

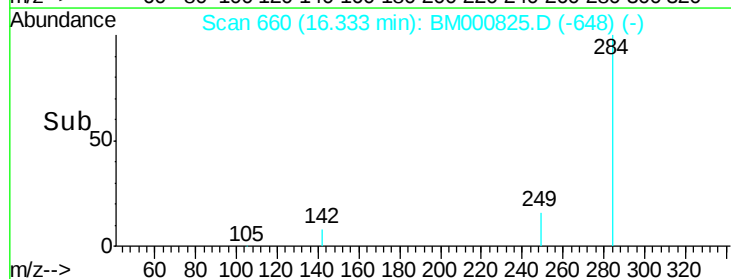
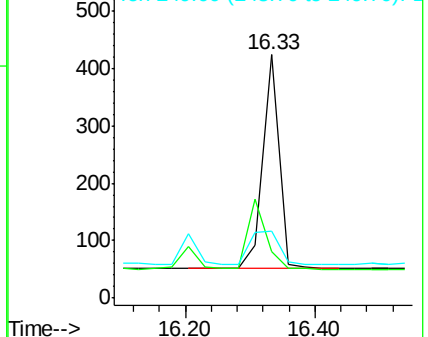
249 27.4 12.6 18.8#

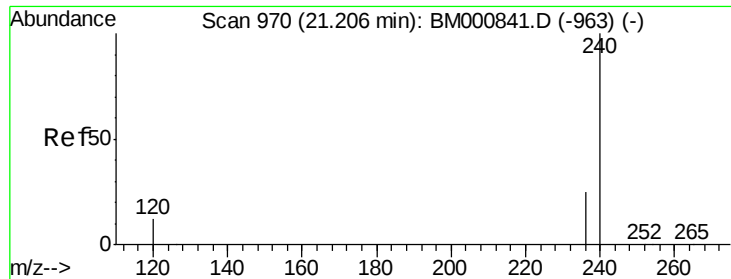


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

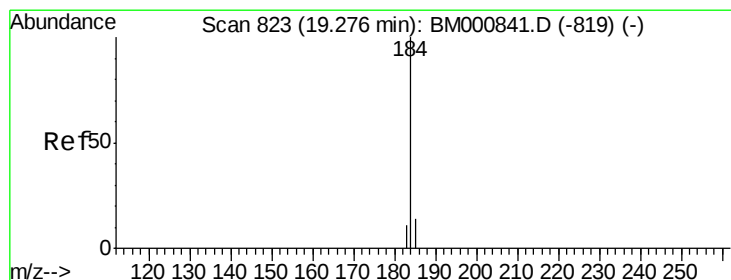
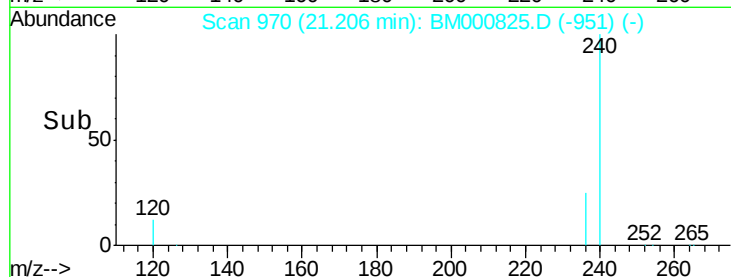
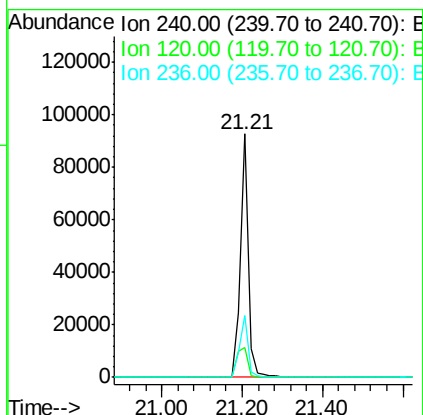
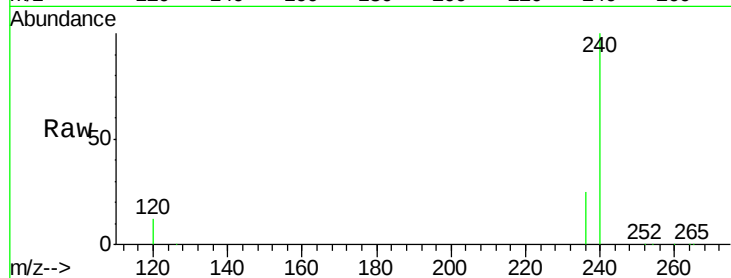




#30
Chrysene-d12
Concen: 5.00 ng
RT: 21.21 min Scan# 970
Delta R.T. -0.00 min
Lab File: BM000825.D
Acq: 03 Apr 2015 02:20

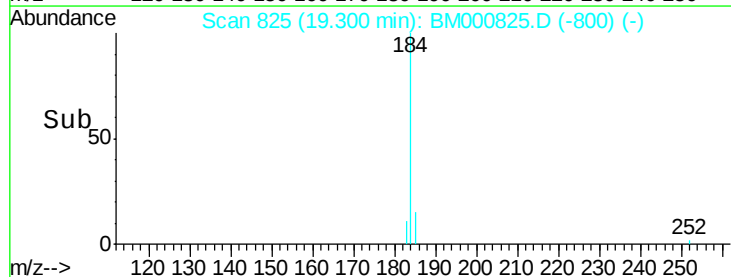
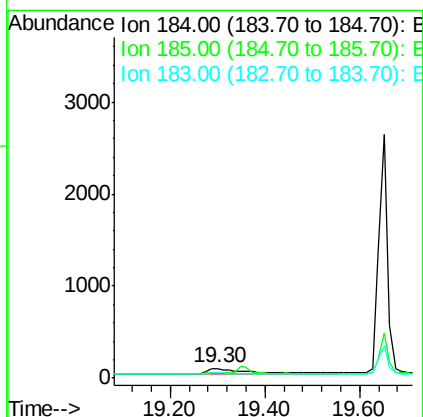
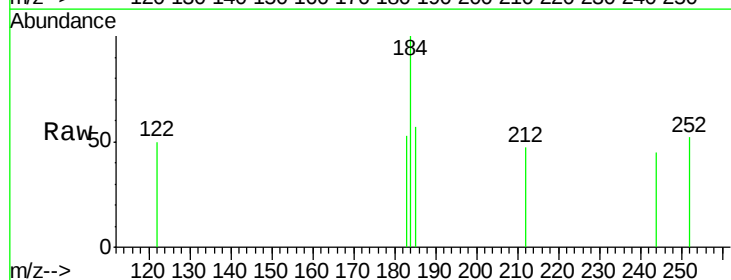
Instrument :
BNA_M
ClientSampleId :
MDL-05-S

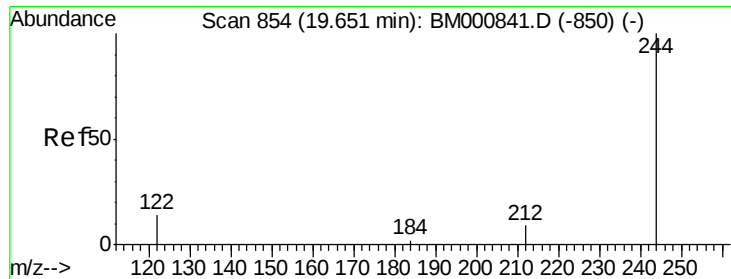
Tot Ion:240 Resp: 123900
Ion Ratio Lower Upper
240 100
120 12.3 11.3 16.9
236 25.4 21.1 31.7



#31
Benzidine
Concen: 0.11 ng
RT: 19.30 min Scan# 825
Delta R.T. 0.00 min
Lab File: BM000825.D
Acq: 03 Apr 2015 02:20

Tgt Ion:184 Resp: 333
Ion Ratio Lower Upper
184 100
185 56.7 39.1 58.7
183 52.9 36.1 54.1





#32

Terphenyl-d14

Concen: 10.36 ng

RT: 19.65 min Scan# 854

Delta R.T. -0.00 min

Lab File: BM000825.D

Acq: 03 Apr 2015 02:20

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

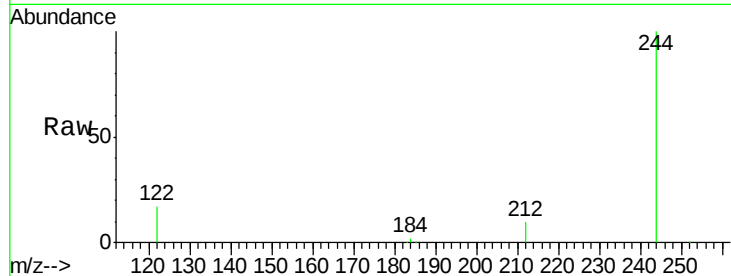
Tot Ion:244 Resp: 154467

Ion Ratio Lower Upper

244 100

212 9.6 8.0 12.0

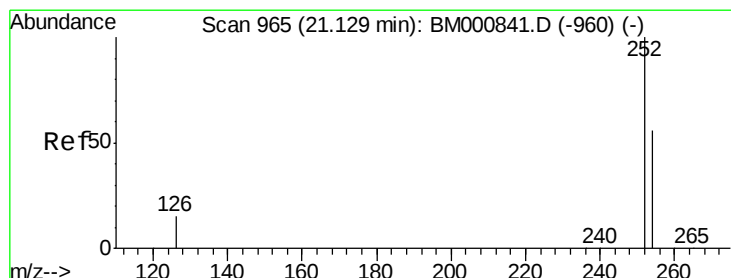
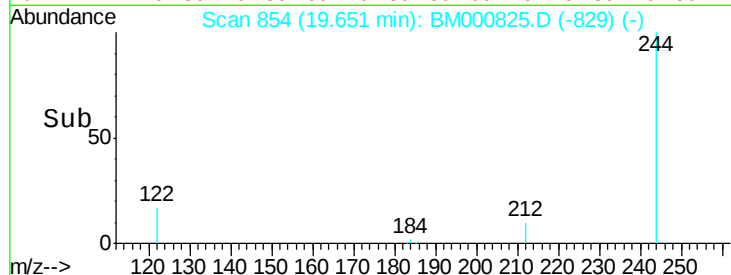
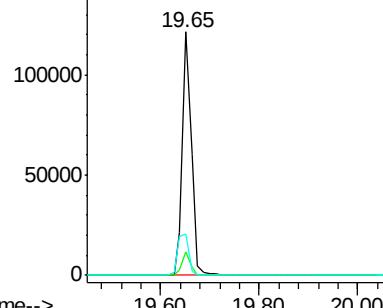
122 16.8 14.7 22.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#33

3,3'-Dichlorobenzidine

Concen: 0.25 ng

RT: 21.14 min Scan# 966

Delta R.T. 0.02 min

Lab File: BM000825.D

Acq: 03 Apr 2015 02:20

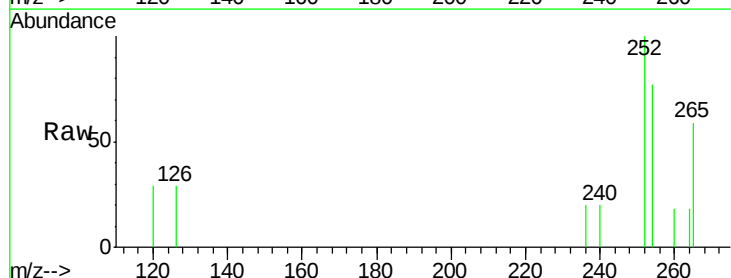
Tgt Ion:252 Resp: 623

Ion Ratio Lower Upper

252 100

254 77.4 44.5 66.7#

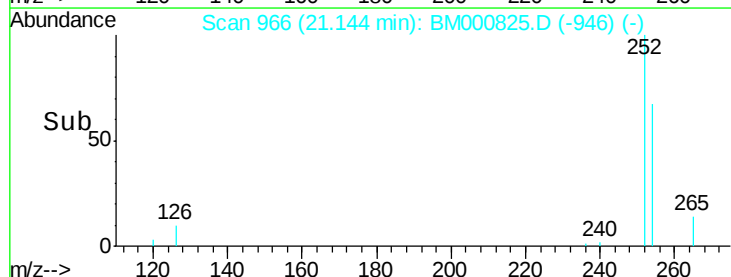
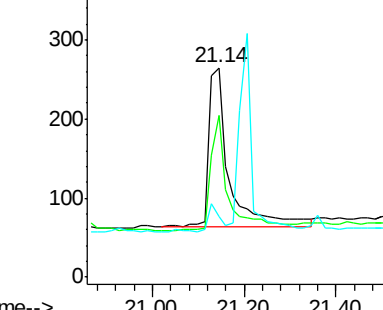
126 29.1 13.6 20.4#

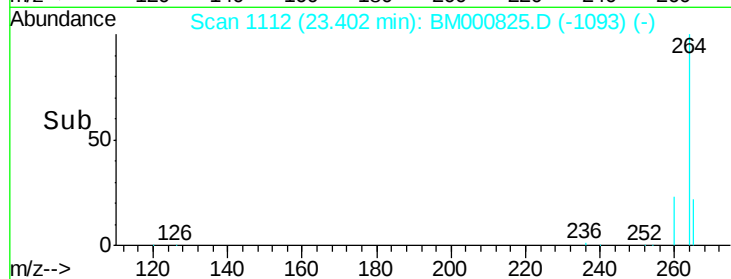
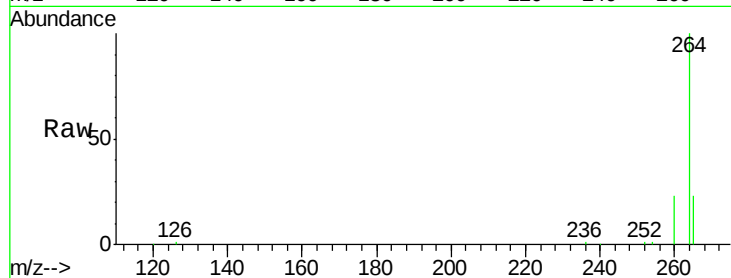
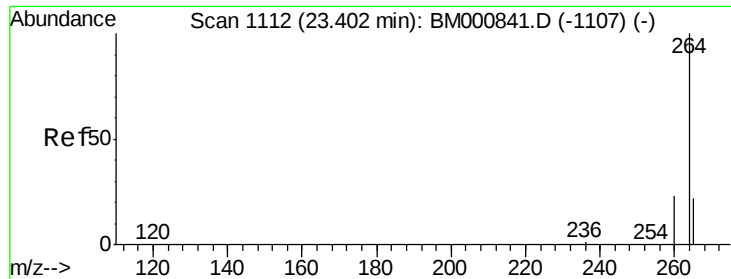


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM000825.D

Acq: 03 Apr 2015 02:20

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

Tot Ion:264 Resp: 113770

Ion Ratio Lower Upper

264 100

260 23.1 19.1 28.7

265 22.6 17.5 26.3

