

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040715\
 Data File : BM000879.D
 Acq On : 07 Apr 2015 14:38
 Operator : TP/IZ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC005

Quant Time: Apr 07 16:40:07 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIM-BM040715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 07 14:51:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	23122	5.00	ng	0.00
11) Naphthalene-d8	10.39	136	122213	5.00	ng	0.00
19) Acenaphthene-d10	14.26	164	68346	5.00	ng	0.00
26) Phenanthrene-d10	17.00	188	166451	5.00	ng	0.00
30) Chrysene-d12	21.21	240	130492	5.00	ng	0.00
34) Perylene-d12	23.39	264	119086	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	40311	5.36	ng	0.00
5) Phenol-d6	6.77	99	71807	6.40	ng	0.00
12) Nitrobenzene-d5	8.73	82	31457	5.31	ng	-0.04
20) 2,4,6-Tribromophenol	15.77	330	12604	7.31	ng	0.02
23) 2-Fluorobiphenyl	12.87	172	101691	4.82	ng	0.00
32) Terphenyl-d14	19.65	244	81505	5.16	ng	0.00

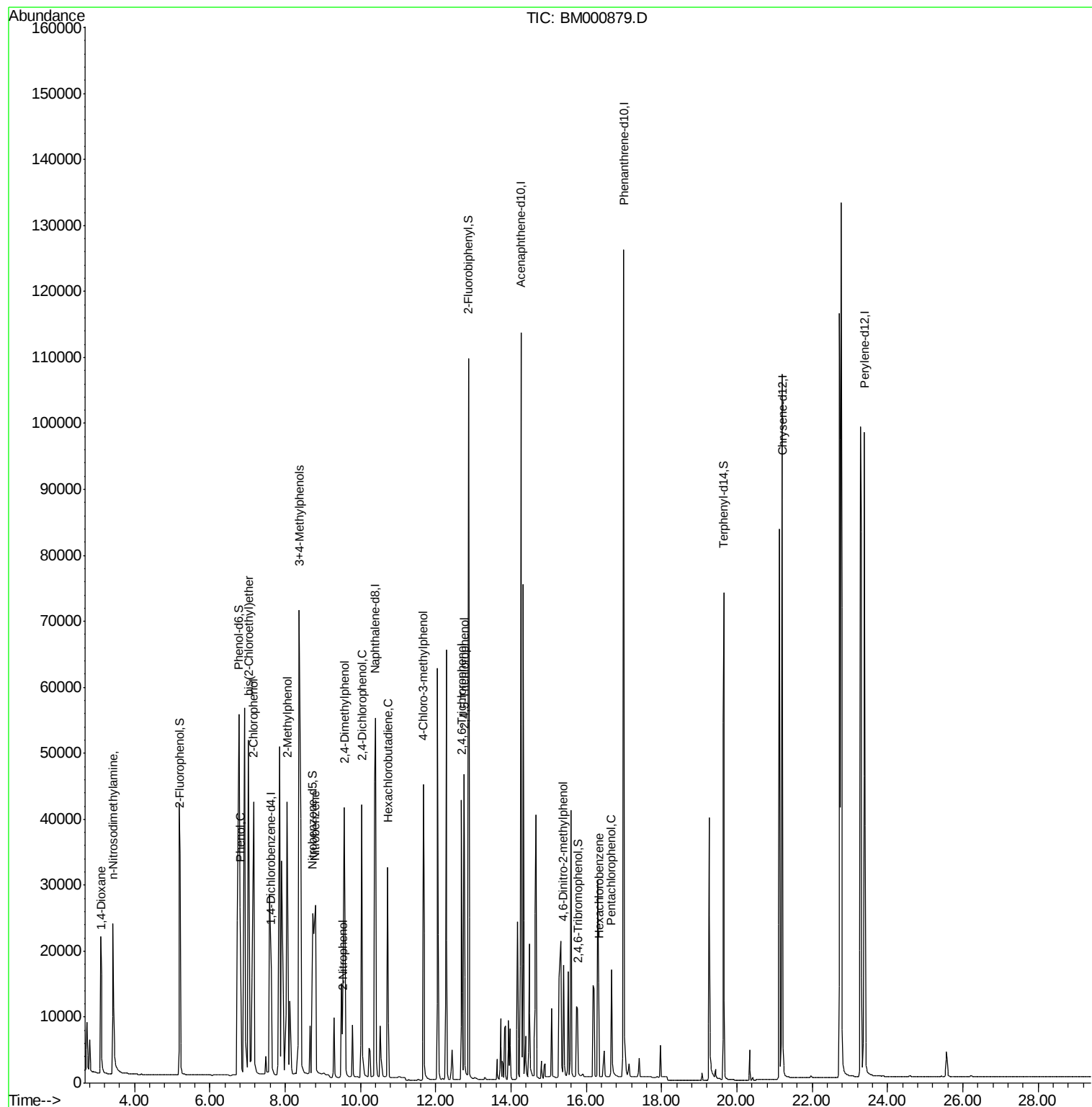
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.12	88	15890	3.44	ng	# 83
3) n-Nitrosodimethylamine	3.43	42	19919	6.28	ng	# 45
6) 2-Chlorophenol	7.17	128	56518	6.37	ng	91
7) Phenol	6.81	94	47748	5.03	ng	86
8) bis(2-Chloroethyl)ether	7.02	93	57659	6.76	ng	# 68
9) 2-Methylphenol	8.06	107	35717	5.15	ng	# 91
10) 3+4-Methylphenols	8.38	107	54636	6.50	ng	90
13) Nitrobenzene	8.80	77	31234	5.21	ng	# 35
14) 2-Nitrophenol	9.52	139	17462	4.49	ng	# 77
15) 2,4-Dimethylphenol	9.58	122	38236	5.73	ng	90
16) 2,4-Dichlorophenol	10.04	162	41901	6.77	ng	88
17) Hexachlorobutadiene	10.72	225	28031	5.09	ng	98
18) 4-Chloro-3-methylphenol	11.67	107	38734	6.26	ng	97
21) 2,4,6-Trichlorophenol	12.69	196	27813	8.79	ng	93
22) 2,4,5-Trichlorophenol	12.75	196	32926	7.86	ng	82
27) 4,6-Dinitro-2-methylphenol	15.39	198	14662	11.49	ng	90
28) Hexachlorobenzene	16.33	284	33433	4.44	ng	# 48
29) Pentachlorophenol	16.67	266	13704	17.40	ng	88

(#) = 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: BM000879.D

Acq: 07 Apr 2015 14:38

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

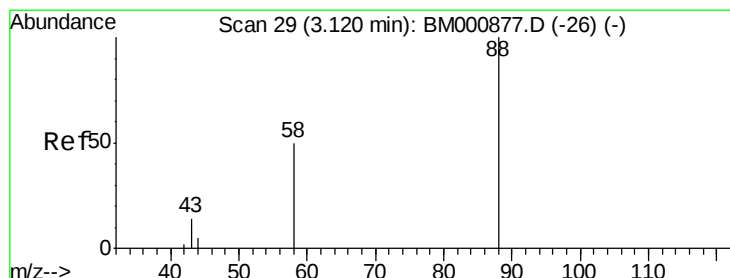
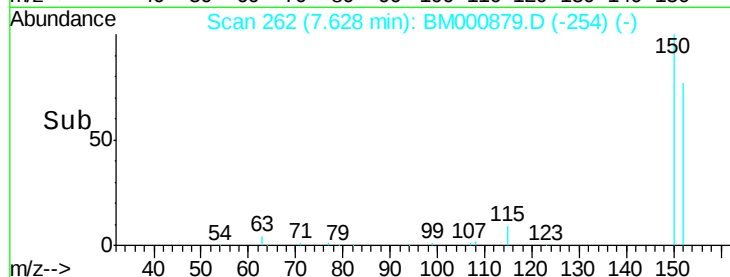
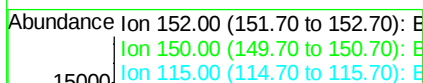
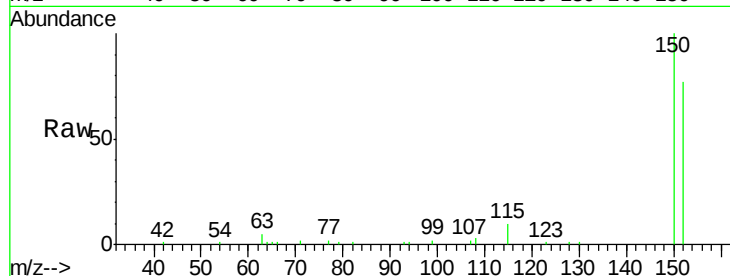
Tot Ion:152 Resp: 23122

Ion Ratio Lower Upper

152 100

150 130.5 96.5 144.7

115 12.4 11.9 17.9



#2

1,4-Dioxane

Concen: 3.44 ng

RT: 3.12 min Scan# 29

Delta R.T. 0.00 min

Lab File: BM000879.D

Acq: 07 Apr 2015 14:38

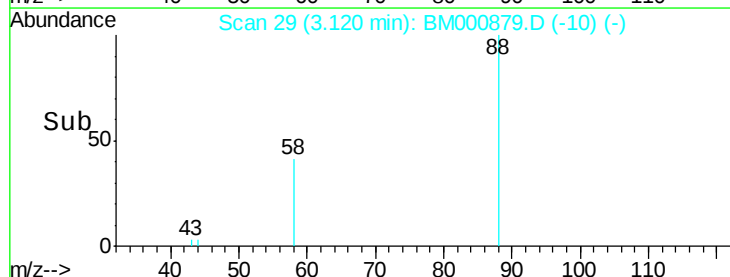
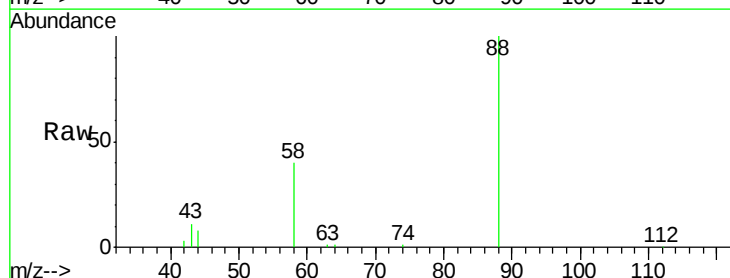
Tgt Ion: 88 Resp: 15890

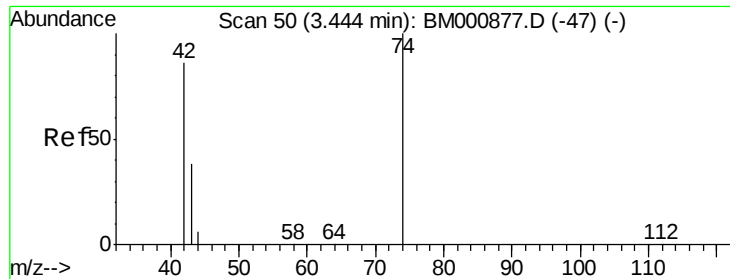
Ion Ratio Lower Upper

88 100

58 89.0 56.7 85.1#

43 35.2 25.0 37.6





#3

n-Nitrosodimethylamine

Concen: 6.28 ng

RT: 3.43 min Scan# 49

Delta R.T. -0.02 min

Lab File: BM000879.D

Acq: 07 Apr 2015 14:38

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

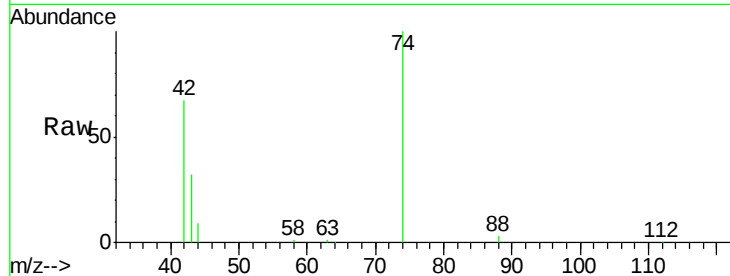
Tot Ion: 42 Resp: 19919

Ion Ratio Lower Upper

42 100

74 150.0 81.0 121.4#

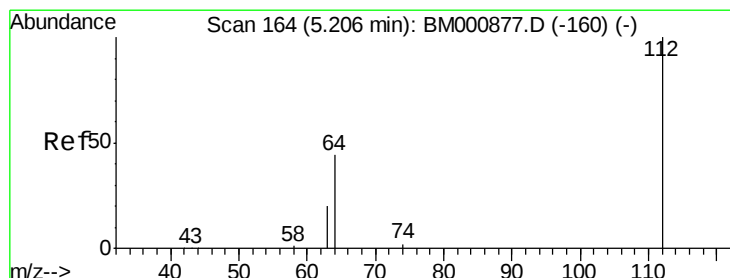
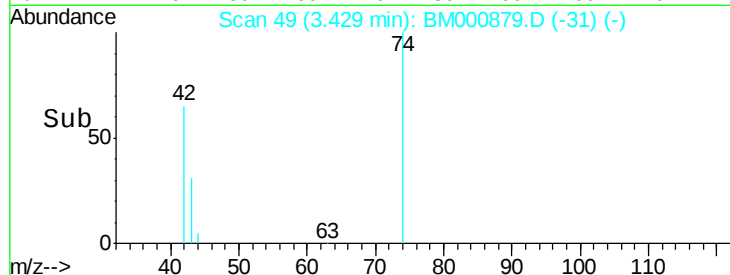
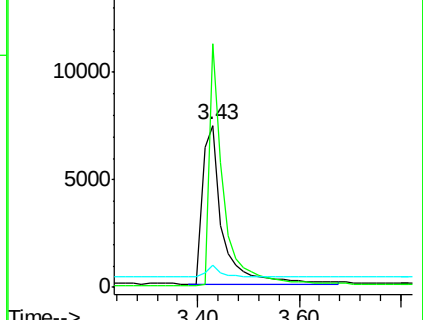
44 13.9 53.3 79.9#



Abundance Ion 42.00 (41.70 to 42.70): BM000879.D (-31) (-)

Ion 74.00 (73.70 to 74.70): BM000879.D (-31) (-)

Ion 44.00 (43.70 to 44.70): BM000879.D (-31) (-)



#4

2-Fluorophenol

Concen: 5.36 ng

RT: 5.21 min Scan# 164

Delta R.T. 0.00 min

Lab File: BM000879.D

Acq: 07 Apr 2015 14:38

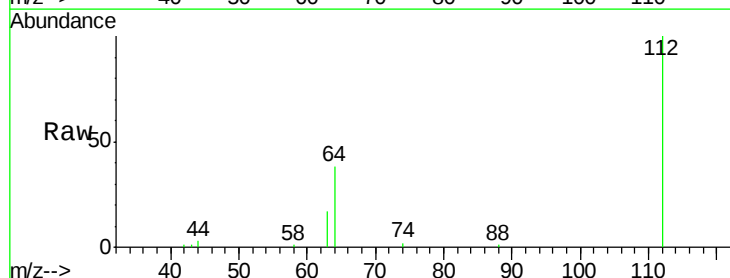
Tgt Ion: 112 Resp: 40311

Ion Ratio Lower Upper

112 100

64 38.3 35.7 53.5

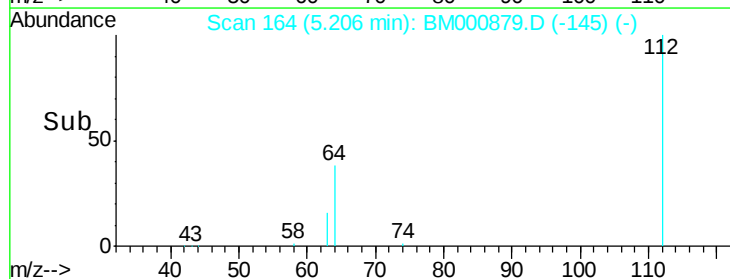
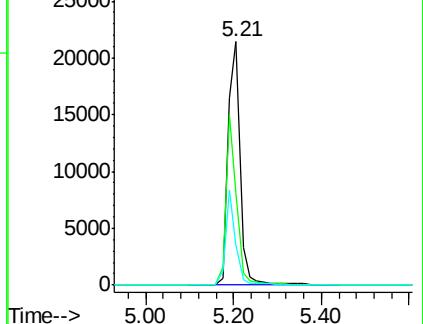
63 16.6 17.0 25.4#

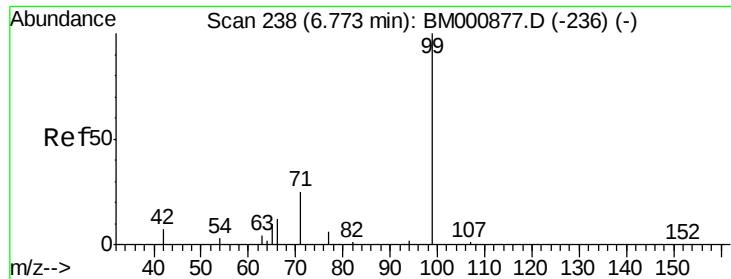


Abundance Ion 112.00 (111.70 to 112.70): BM000879.D (-145) (-)

Ion 64.00 (63.70 to 64.70): BM000879.D (-145) (-)

Ion 63.00 (62.70 to 63.70): BM000879.D (-145) (-)





#5

Phenol-d6

Concen: 6.40 ng

RT: 6.77 min Scan# 238

Delta R.T. 0.00 min

Lab File: BM000879.D

Acq: 07 Apr 2015 14:38

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

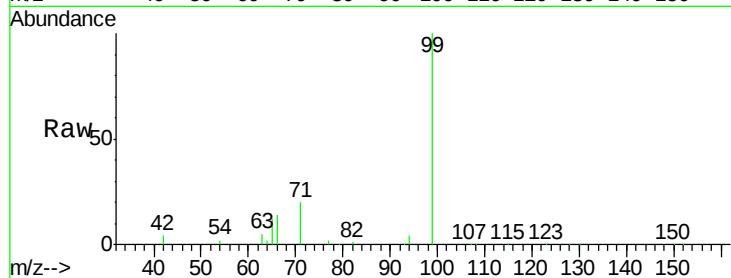
Tot Ion: 99 Resp: 71807

Ion Ratio Lower Upper

99 100

42 4.4 7.5 11.3#

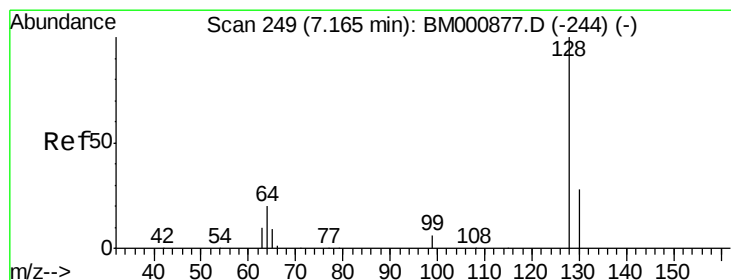
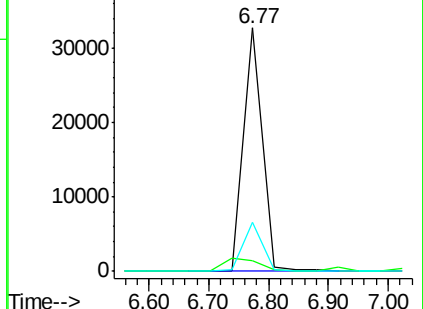
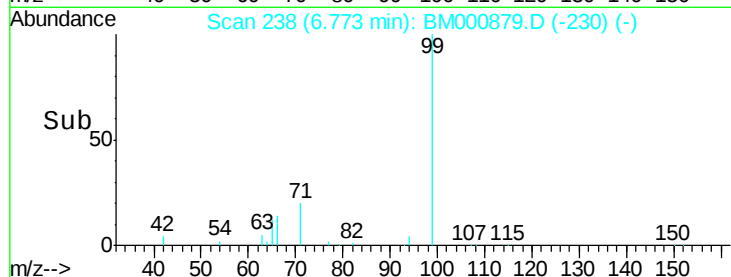
71 20.2 21.3 31.9#



Abundance Ion 99.00 (98.70 to 99.70): BM000879.D (-236) (-)

Ion 42.00 (41.70 to 42.70): BM000879.D (-236) (-)

Ion 71.00 (70.70 to 71.70): BM000879.D (-236) (-)



#6

2-Chlorophenol

Concen: 6.37 ng

RT: 7.17 min Scan# 249

Delta R.T. 0.00 min

Lab File: BM000879.D

Acq: 07 Apr 2015 14:38

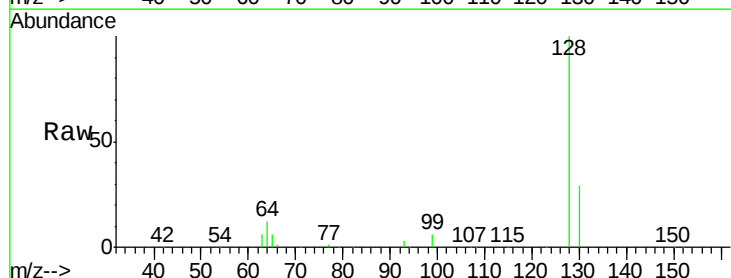
Tgt Ion: 128 Resp: 56518

Ion Ratio Lower Upper

128 100

130 28.9 9.4 49.4

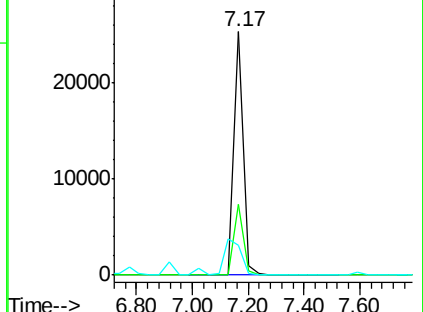
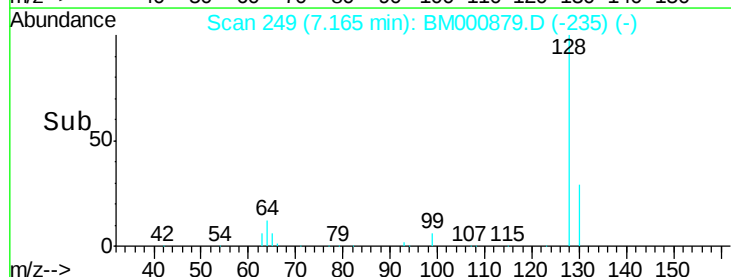
64 12.4 2.1 42.1

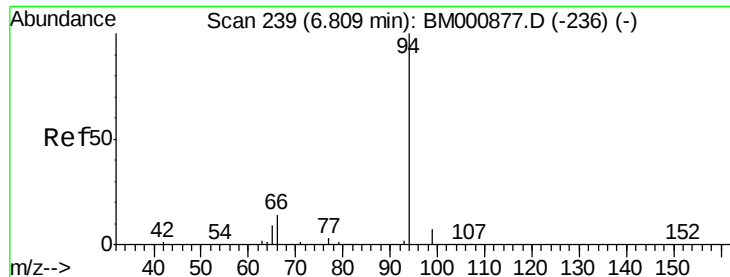


Abundance Ion 128.00 (127.70 to 128.70): BM000879.D (-244) (-)

Ion 130.00 (129.70 to 130.70): BM000879.D (-244) (-)

Ion 64.00 (63.70 to 64.70): BM000879.D (-244) (-)





#7

Phenol

Concen: 5.03 ng

RT: 6.81 min Scan# 239

Delta R.T. -0.00 min

Lab File: BM000879.D

Acq: 07 Apr 2015 14:38

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

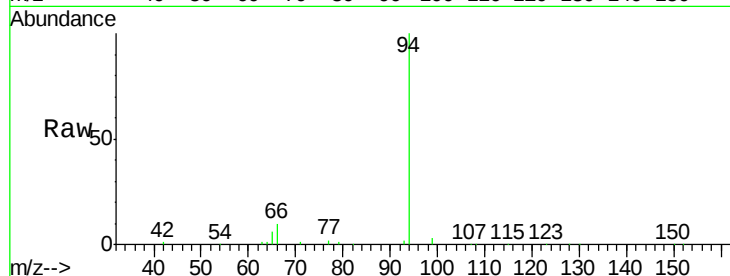
Tot Ion: 94 Resp: 47748

Ion Ratio Lower Upper

94 100

65 5.8 0.0 30.9

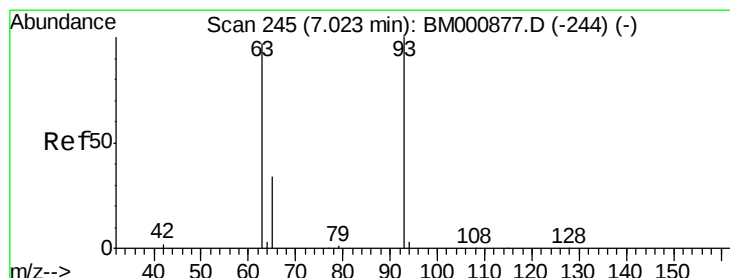
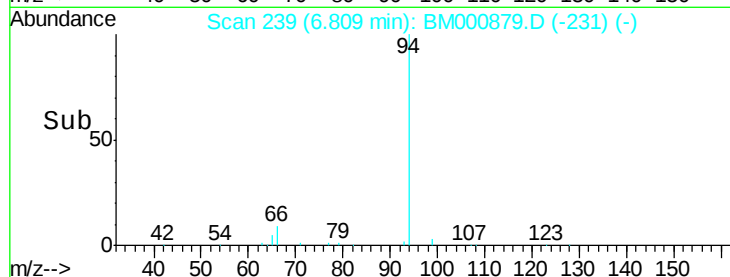
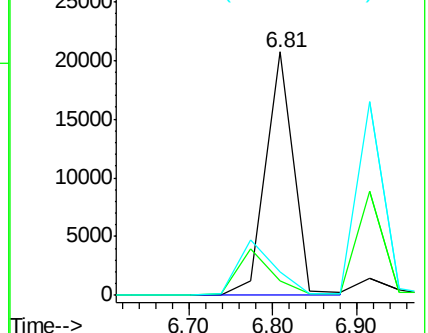
66 9.6 0.0 35.8



Abundance Ion 94.00 (93.70 to 94.70): BM000879.D (-231) (-)

Ion 65.00 (64.70 to 65.70): BM000879.D (-231) (-)

Ion 66.00 (65.70 to 66.70): BM000879.D (-231) (-)



#8

bis(2-Chloroethyl)ether

Concen: 6.76 ng

RT: 7.02 min Scan# 245

Delta R.T. 0.00 min

Lab File: BM000879.D

Acq: 07 Apr 2015 14:38

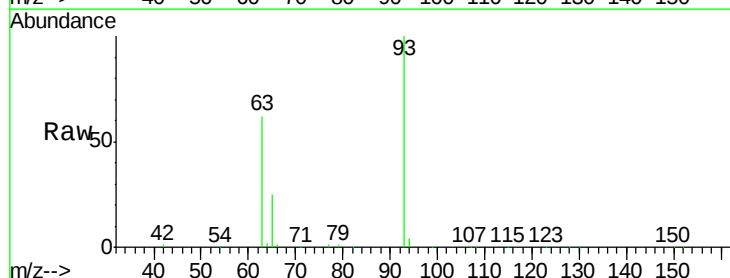
Tgt Ion: 93 Resp: 57659

Ion Ratio Lower Upper

93 100

63 62.3 73.3 113.3#

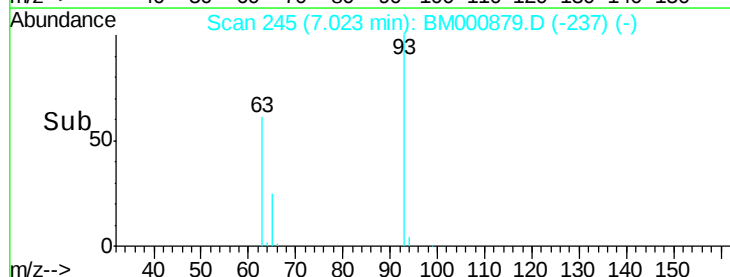
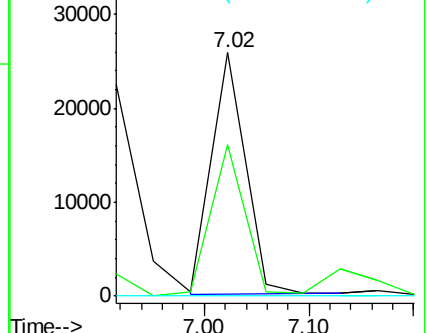
95 0.0 0.0 20.0

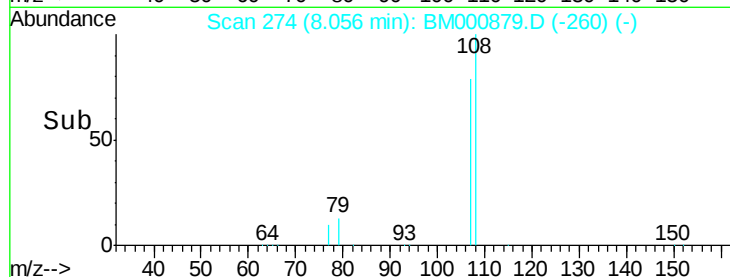
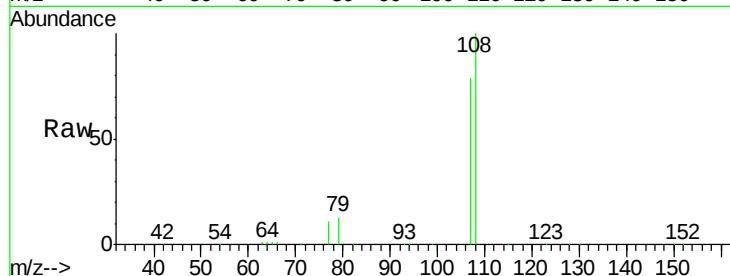
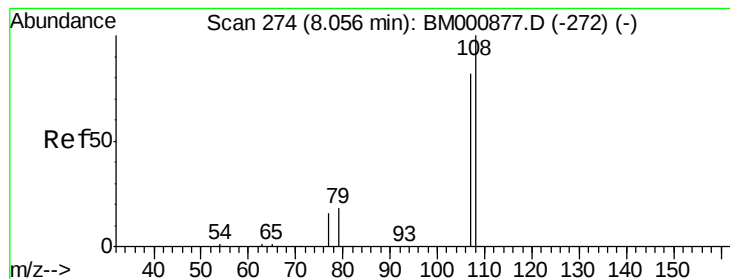


Abundance Ion 93.00 (92.70 to 93.70): BM000879.D (-237) (-)

Ion 63.00 (62.70 to 63.70): BM000879.D (-237) (-)

Ion 95.00 (94.70 to 95.70): BM000879.D (-237) (-)





#9

2-Methylphenol

Concen: 5.15 ng

RT: 8.06 min Scan# 274

Delta R.T. 0.00 min

Lab File: BM000879.D

Acq: 07 Apr 2015 14:38

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

Tot Ion:107 Resp: 35717

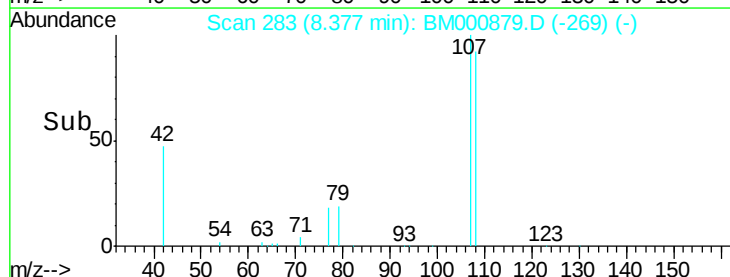
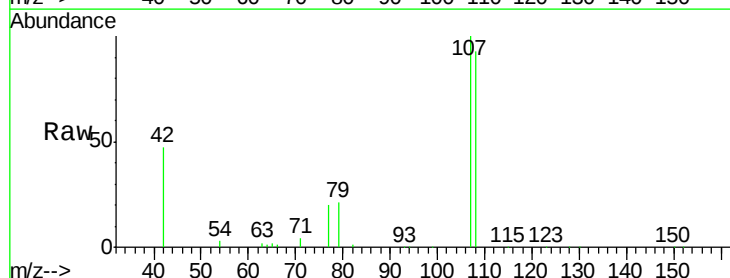
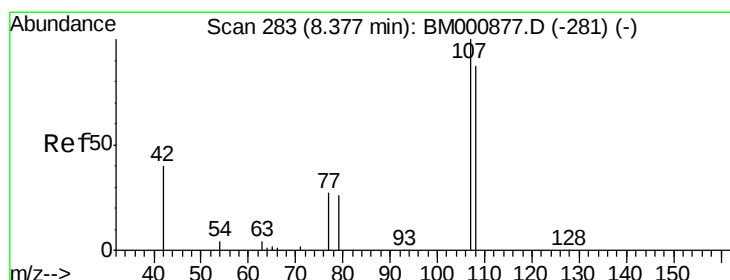
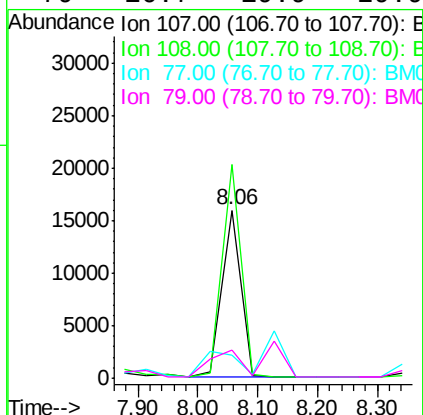
Ion Ratio Lower Upper

107 100

108 127.1 96.7 145.1

77 13.4 18.3 27.5#

79 16.7 19.9 29.9#



#10

3+4-Methylphenols

Concen: 6.50 ng

RT: 8.38 min Scan# 283

Delta R.T. 0.00 min

Lab File: BM000879.D

Acq: 07 Apr 2015 14:38

Tgt Ion:107 Resp: 54636

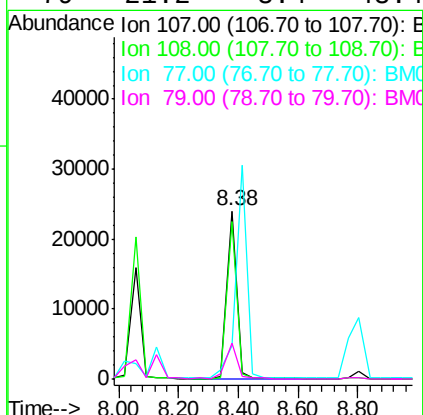
Ion Ratio Lower Upper

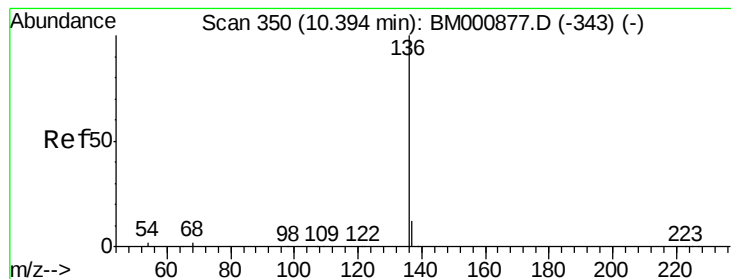
107 100

108 93.5 67.6 107.6

77 19.9 10.0 50.0

79 21.2 8.4 48.4





#11

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 350

Delta R.T. 0.00 min

Lab File: BM000879.D

Acq: 07 Apr 2015 14:38

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

Tot Ion:136 Resp: 122213

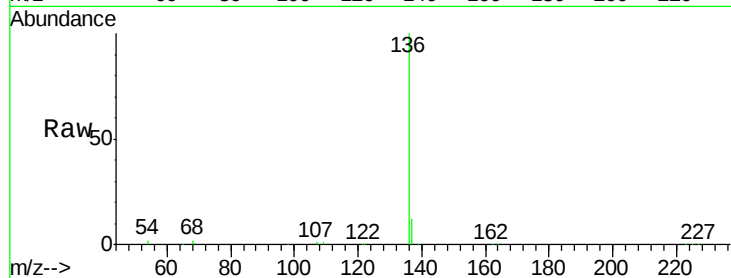
Ion Ratio Lower Upper

136 100

137 12.0 9.6 14.4

54 1.6 1.5 2.3

68 1.8 1.6 2.4

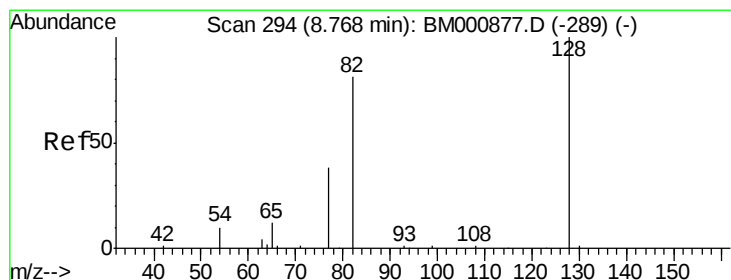
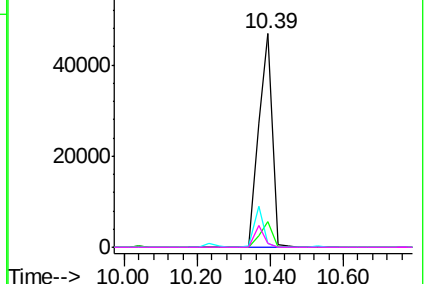
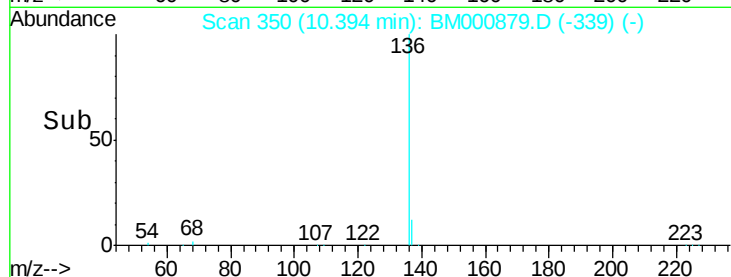


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.31 ng

RT: 8.73 min Scan# 293

Delta R.T. -0.04 min

Lab File: BM000879.D

Acq: 07 Apr 2015 14:38

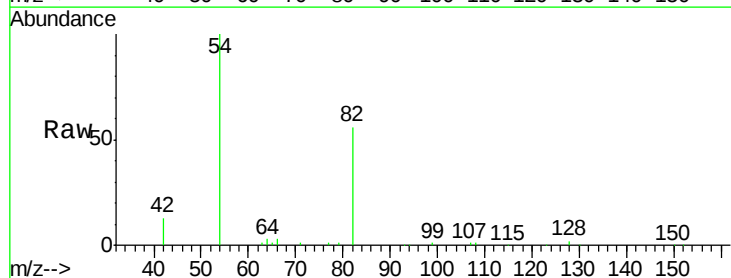
Tgt Ion: 82 Resp: 31457

Ion Ratio Lower Upper

82 100

128 3.2 96.2 144.2#

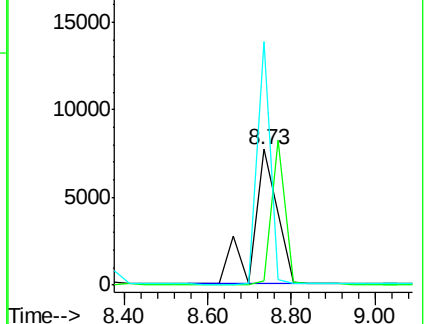
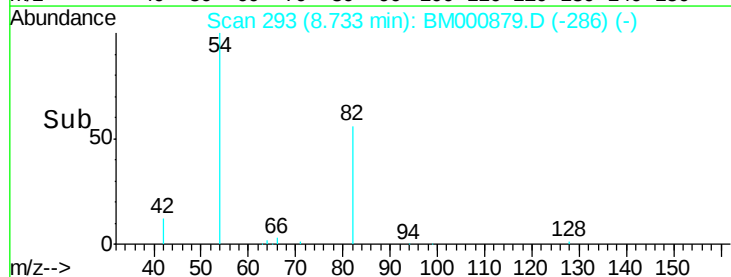
54 179.4 15.0 22.6#

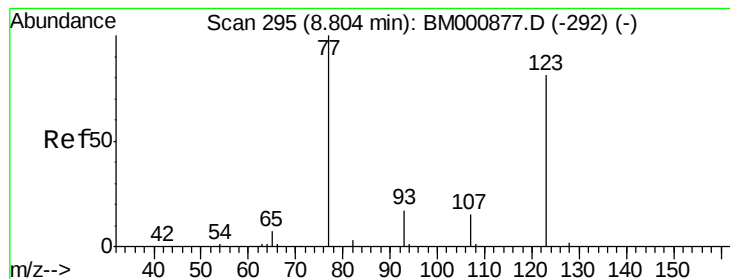


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#13

Nitrobenzene

Concen: 5.21 ng

RT: 8.80 min Scan# 295

Delta R.T. 0.00 min

Lab File: BM000879.D

Acq: 07 Apr 2015 14:38

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

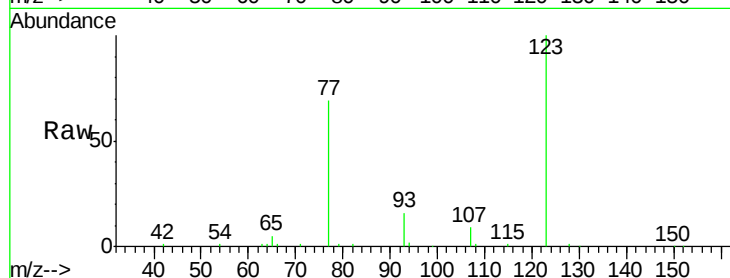
Tot Ion: 77 Resp: 31234

Ion Ratio Lower Upper

77 100

123 144.4 64.0 96.0#

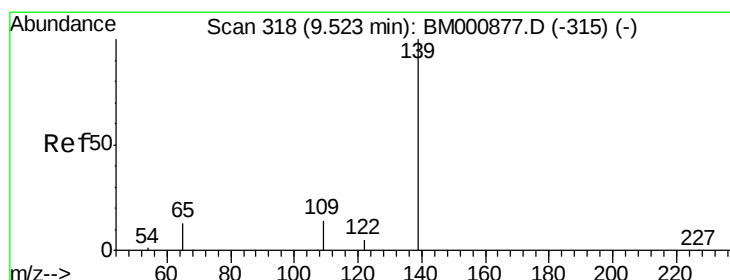
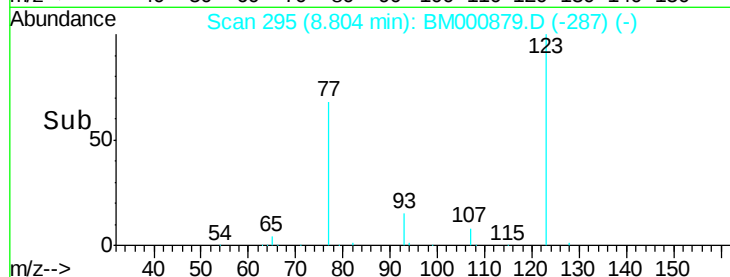
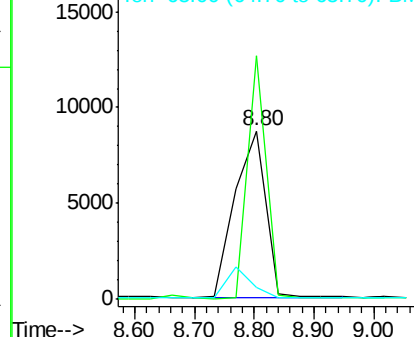
65 7.1 8.7 13.1#



Abundance Ion 77.00 (76.70 to 77.70): BM000879.D (-292) (-)

Ion 123.00 (122.70 to 123.70): BM000879.D (-292) (-)

Ion 65.00 (64.70 to 65.70): BM000879.D (-292) (-)



#14

2-Nitrophenol

Concen: 4.49 ng

RT: 9.52 min Scan# 318

Delta R.T. 0.00 min

Lab File: BM000879.D

Acq: 07 Apr 2015 14:38

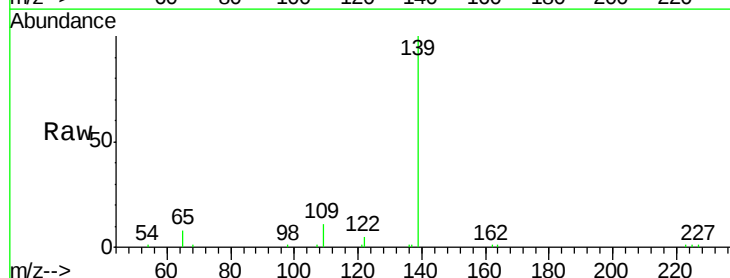
Tgt Ion: 139 Resp: 17462

Ion Ratio Lower Upper

139 100

109 10.6 15.8 23.8#

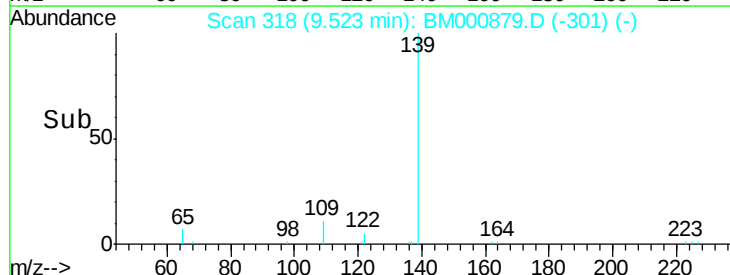
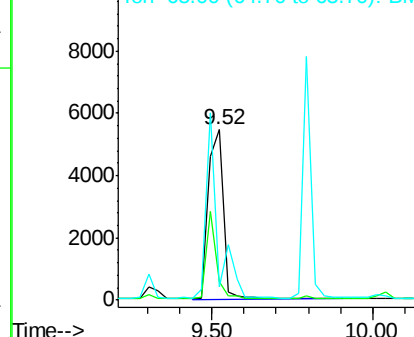
65 8.0 16.2 24.2#

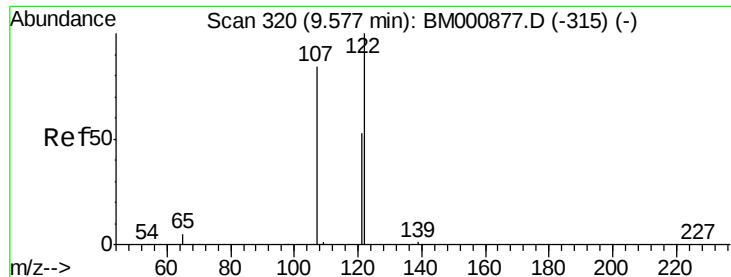


Abundance Ion 139.00 (138.70 to 139.70): BM000879.D (-315) (-)

Ion 109.00 (108.70 to 109.70): BM000879.D (-315) (-)

Ion 65.00 (64.70 to 65.70): BM000879.D (-315) (-)





#15

2,4-Dimethylphenol

Concen: 5.73 ng

RT: 9.58 min Scan# 320

Delta R.T. 0.00 min

Lab File: BM000879.D

Acq: 07 Apr 2015 14:38

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

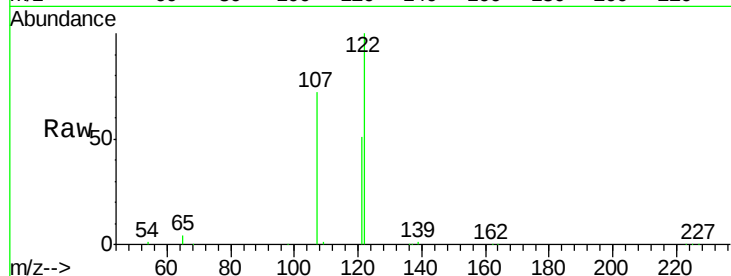
Tot Ion:122 Resp: 38236

Ion Ratio Lower Upper

122 100

107 71.6 67.4 101.2

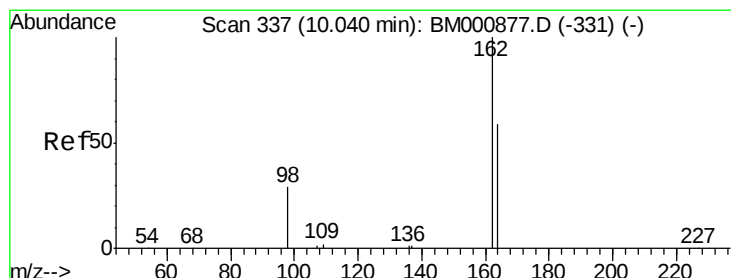
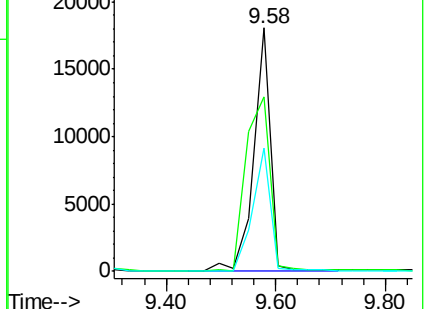
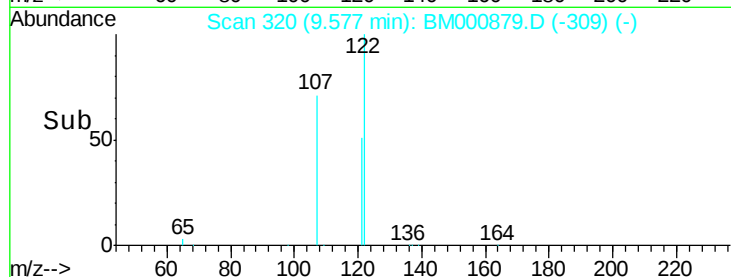
121 50.8 43.5 65.3



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: 6.77 ng

RT: 10.04 min Scan# 337

Delta R.T. 0.00 min

Lab File: BM000879.D

Acq: 07 Apr 2015 14:38

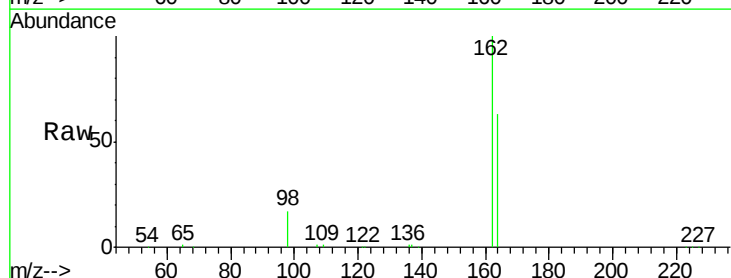
Tgt Ion:162 Resp: 41901

Ion Ratio Lower Upper

162 100

164 63.4 39.9 79.9

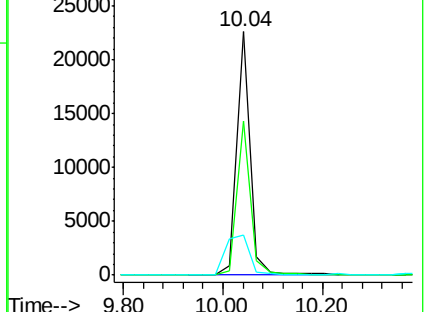
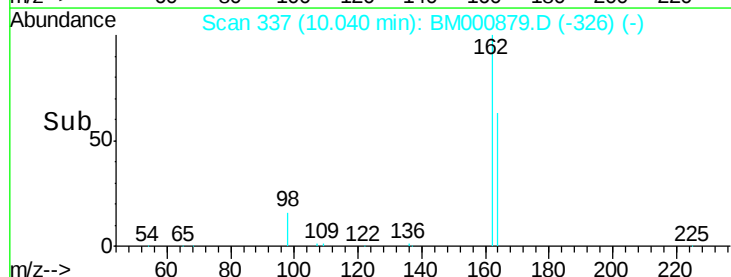
98 16.5 11.3 51.3

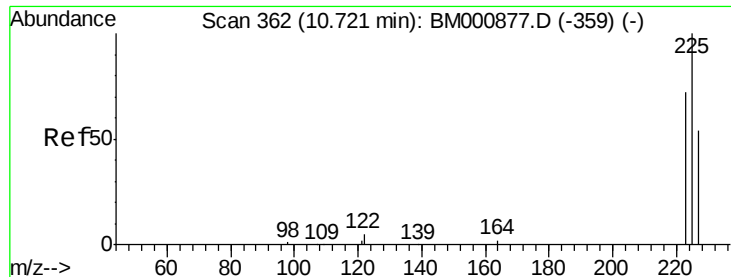


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM

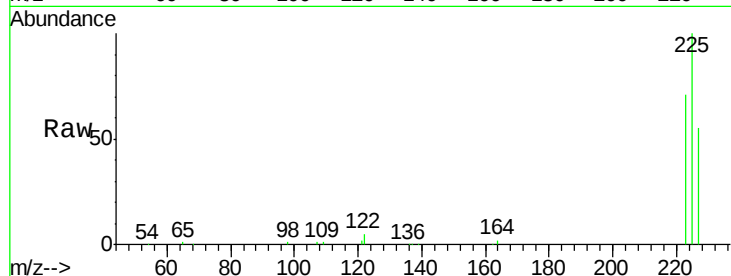




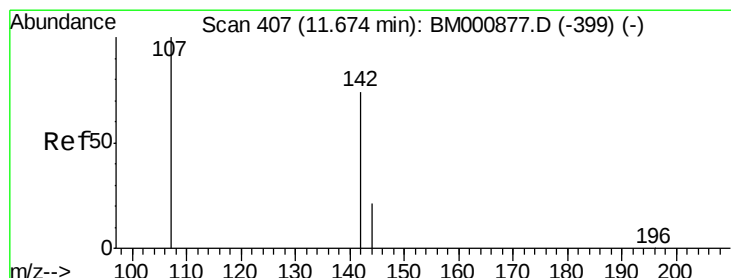
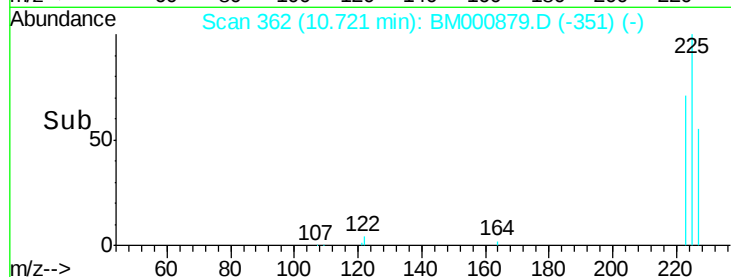
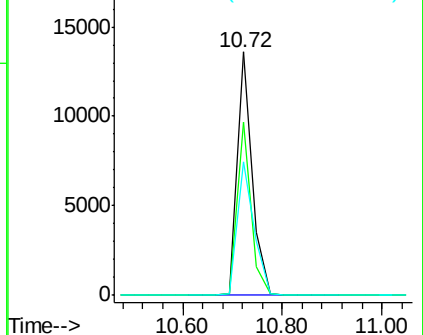
#17
Hexachlorobutadiene
Concen: 5.09 ng
RT: 10.72 min Scan# 362
Delta R.T. 0.00 min
Lab File: BM000879.D
Acq: 07 Apr 2015 14:38

Instrument :
BNA_M
ClientSampleId :
SSTDIC005

Tot Ion:225 Resp: 28031
Ion Ratio Lower Upper
225 100
223 70.9 58.3 87.5
227 54.7 44.5 66.7

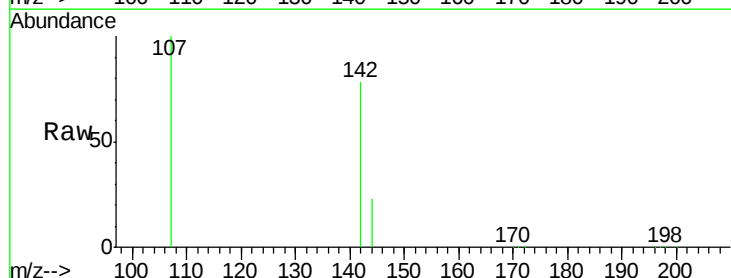


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

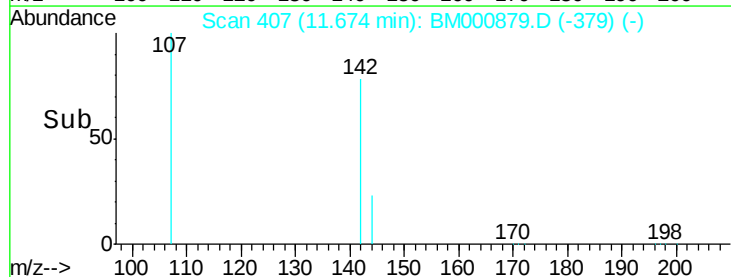
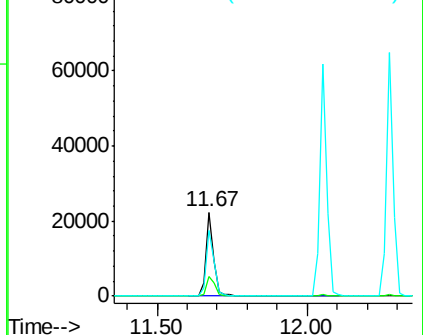


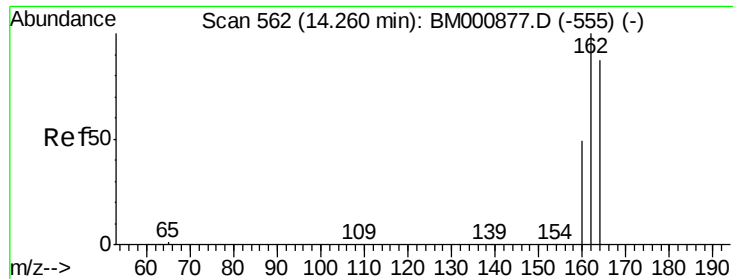
#18
4-Chloro-3-methylphenol
Concen: 6.26 ng
RT: 11.67 min Scan# 407
Delta R.T. 0.00 min
Lab File: BM000879.D
Acq: 07 Apr 2015 14:38

Tgt Ion:107 Resp: 38734
Ion Ratio Lower Upper
107 100
144 23.2 18.4 27.6
142 78.0 59.9 89.9



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

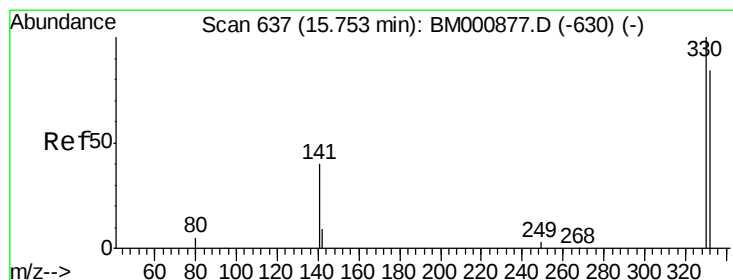
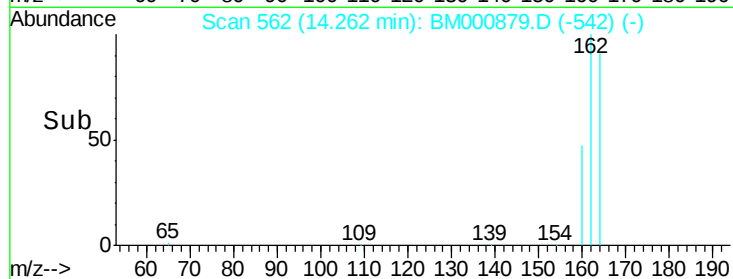
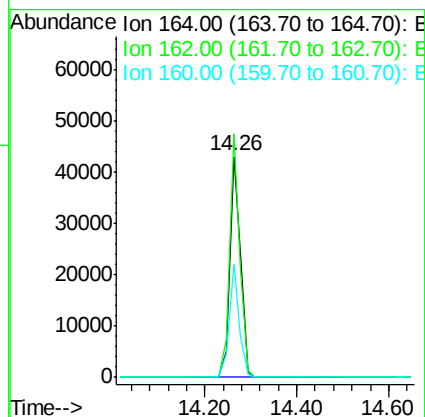
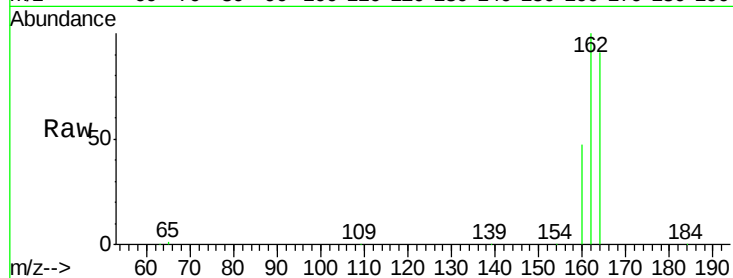




#19
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.26 min Scan# 562
Delta R.T. 0.00 min
Lab File: BM000879.D
Acq: 07 Apr 2015 14:38

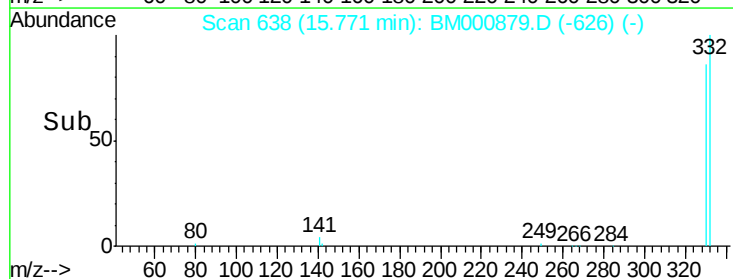
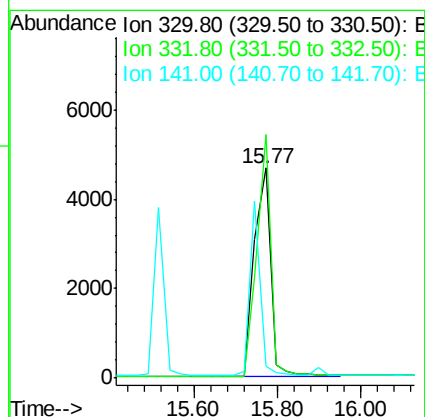
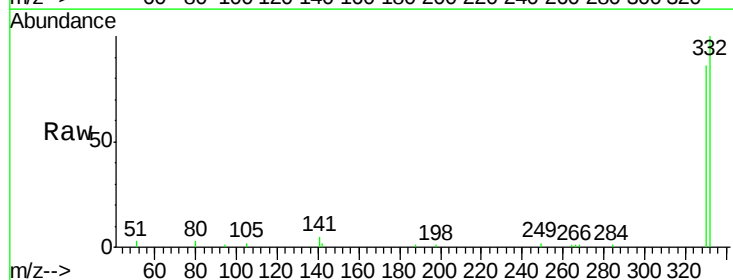
Instrument :
BNA_M
ClientSampleId :
SSTDIC005

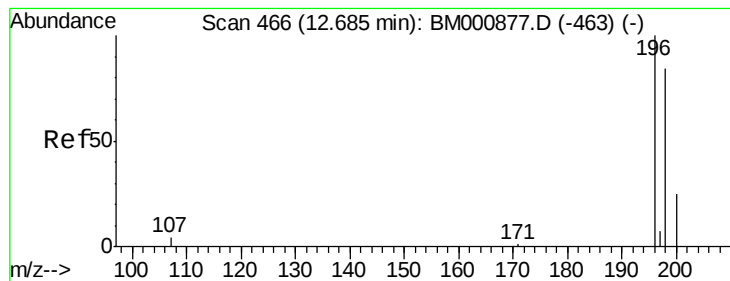
Tot Ion:164 Resp: 68346
Ion Ratio Lower Upper
164 100
162 110.3 91.8 137.6
160 51.5 44.6 67.0



#20
2,4,6-Tribromophenol
Concen: 7.31 ng
RT: 15.77 min Scan# 638
Delta R.T. 0.02 min
Lab File: BM000879.D
Acq: 07 Apr 2015 14:38

Tgt Ion:330 Resp: 12604
Ion Ratio Lower Upper
330 100
332 98.9 72.6 109.0
141 0.0 29.8 44.6#





#21

2,4,6-Trichlorophenol

Concen: 8.79 ng

RT: 12.69 min Scan# 466

Delta R.T. 0.00 min

Lab File: BM000879.D

Acq: 07 Apr 2015 14:38

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

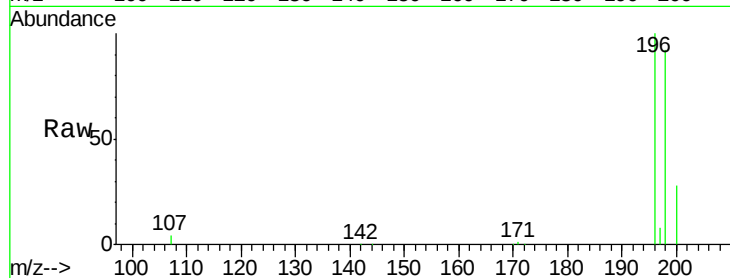
Tot Ion:196 Resp: 27813

Ion Ratio Lower Upper

196 100

198 92.3 67.5 101.3

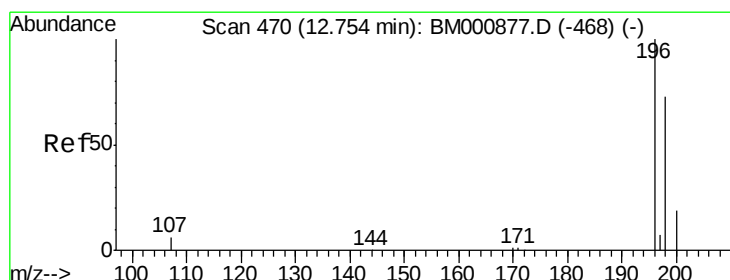
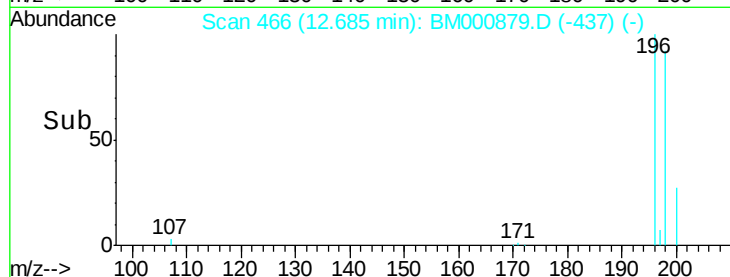
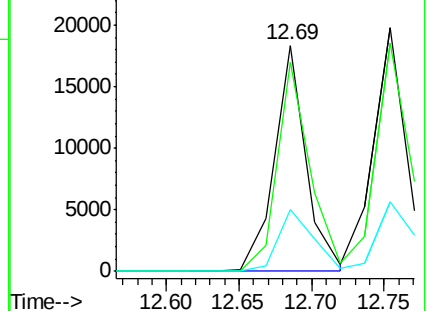
200 27.5 22.1 33.1



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: 7.86 ng

RT: 12.75 min Scan# 470

Delta R.T. -0.00 min

Lab File: BM000879.D

Acq: 07 Apr 2015 14:38

Tgt Ion:196 Resp: 32926

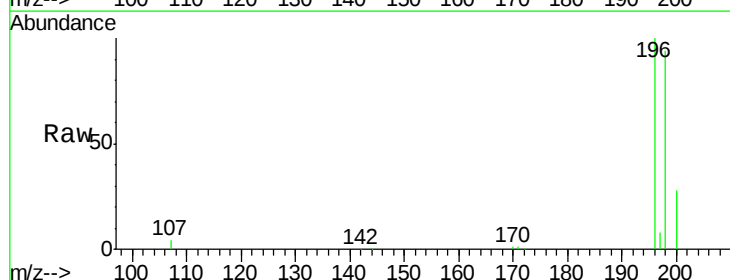
Ion Ratio Lower Upper

196 100

198 93.9 62.7 94.1

97 0.0 0.0 0.0

132 0.0 0.0 0.0

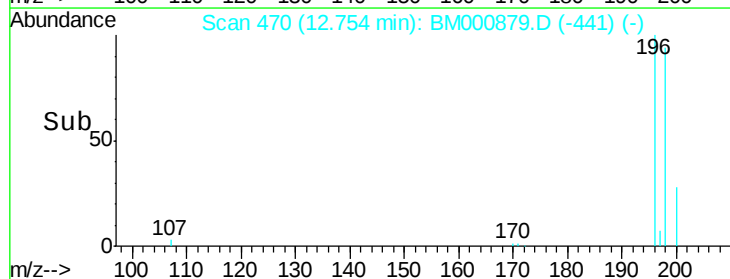
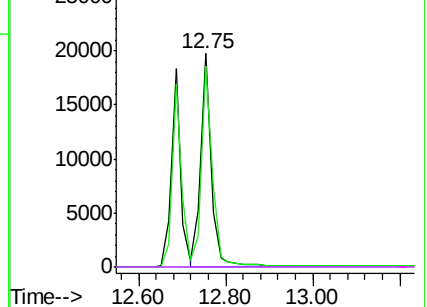


Abundance Ion 196.00 (195.70 to 196.70): E

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

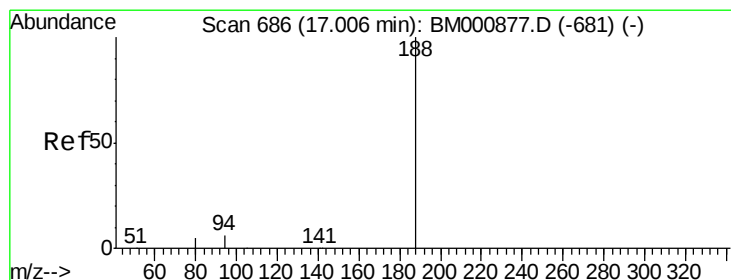
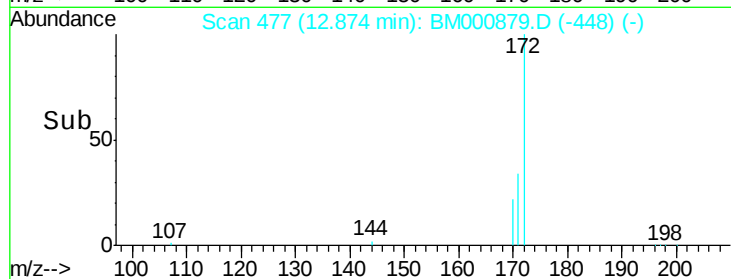
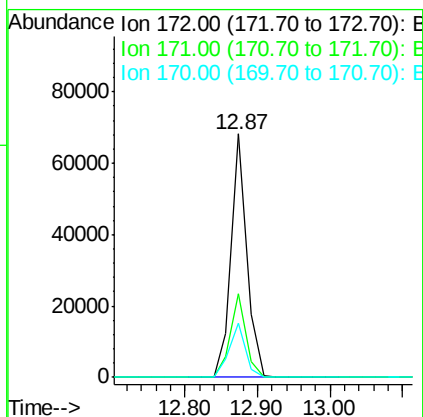
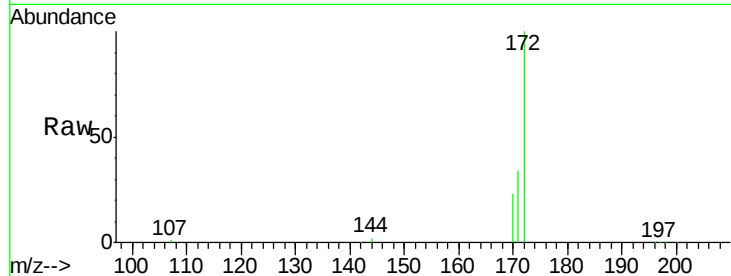




#23
2-Fluorobiphenyl
Concen: 4.82 ng
RT: 12.87 min Scan# 477
Delta R.T. 0.00 min
Lab File: BM000879.D
Acq: 07 Apr 2015 14:38

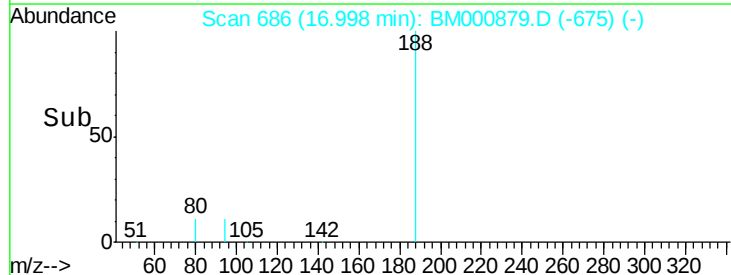
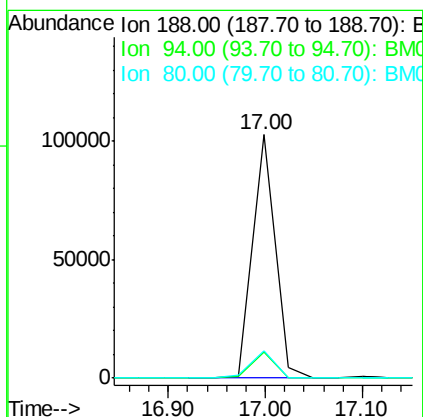
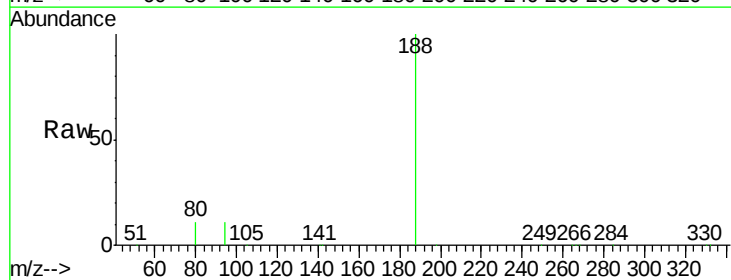
Instrument :
BNA_M
ClientSampleId :
SSTDIC005

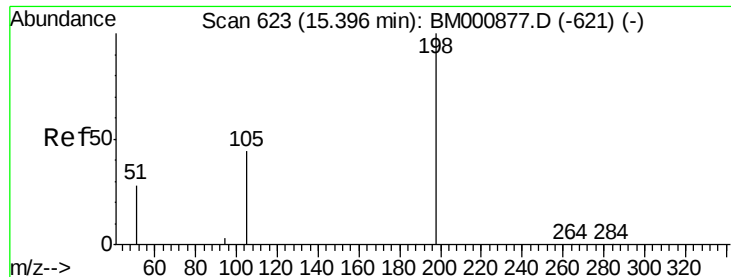
Tot Ion:172 Resp: 101691
Ion Ratio Lower Upper
172 100
171 34.2 27.8 41.8
170 22.5 19.0 28.6



#26
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.00 min Scan# 686
Delta R.T. -0.01 min
Lab File: BM000879.D
Acq: 07 Apr 2015 14:38

Tgt Ion:188 Resp: 166451
Ion Ratio Lower Upper
188 100
94 10.7 4.9 7.3#
80 11.0 4.4 6.6#

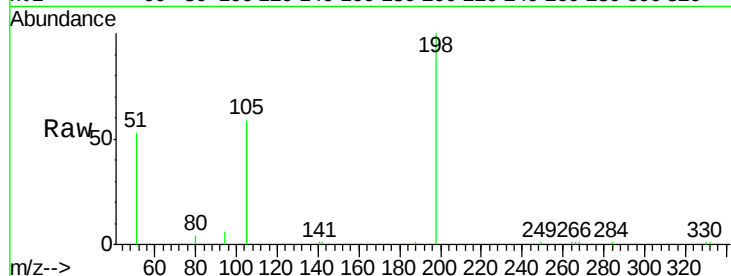




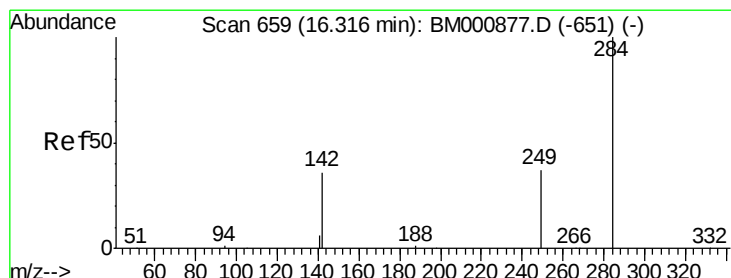
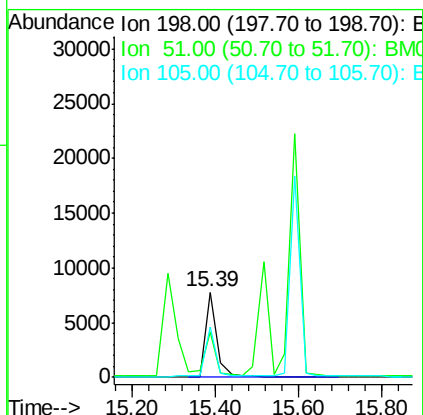
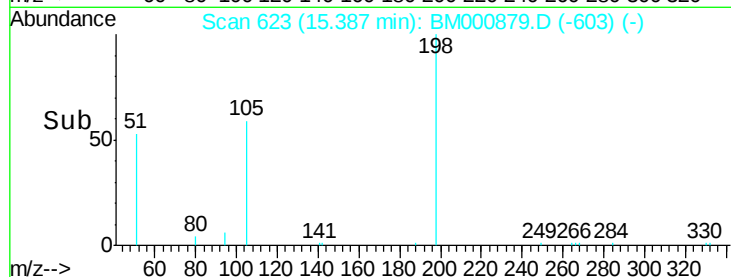
#27
4,6-Dinitro-2-methylphenol
Concen: 11.49 ng
RT: 15.39 min Scan# 623
Delta R.T. -0.01 min
Lab File: BM000879.D
Acq: 07 Apr 2015 14:38

Instrument :
BNA_M
ClientSampleId :
SSTDIC005

Tot Ion:198 Resp: 14662
Ion Ratio Lower Upper
198 100
51 53.0 44.6 84.6
105 59.3 36.0 76.0

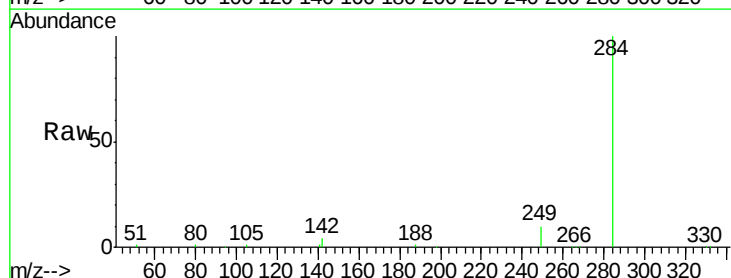


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BM
Ion 105.00 (104.70 to 105.70): E

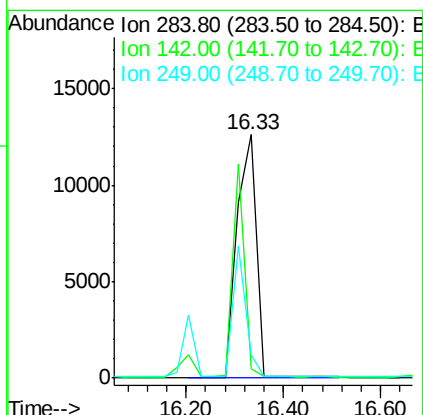
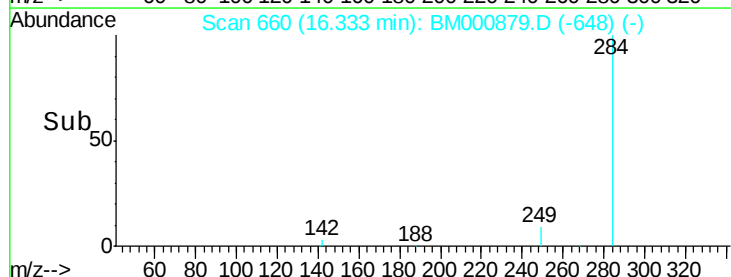


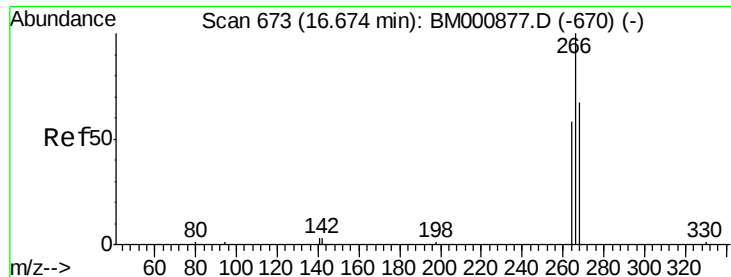
#28
Hexachlorobenzene
Concen: 4.44 ng
RT: 16.33 min Scan# 660
Delta R.T. 0.02 min
Lab File: BM000879.D
Acq: 07 Apr 2015 14:38

Tgt Ion:284 Resp: 33433
Ion Ratio Lower Upper
284 100
142 3.9 29.8 44.8#
249 9.9 31.0 46.4#



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

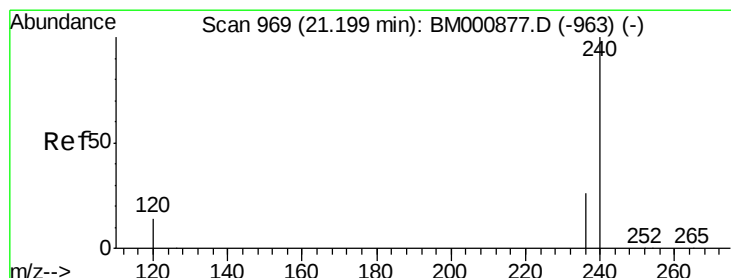
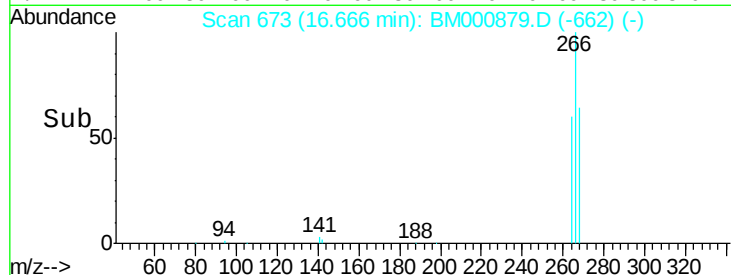
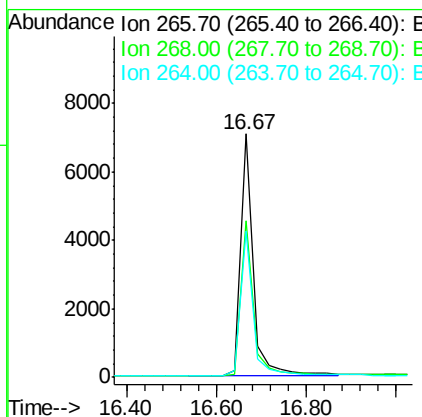
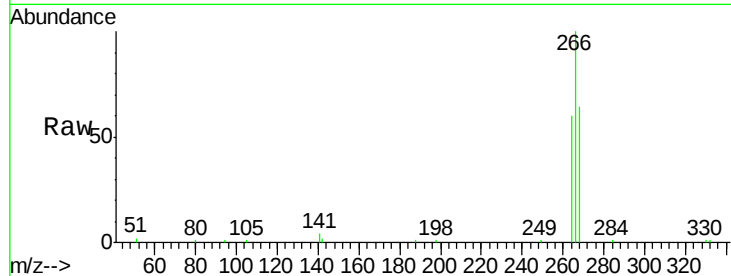




#29
 Pentachlorophenol
 Concen: 17.40 ng
 RT: 16.67 min Scan# 673
 Delta R.T. -0.01 min
 Lab File: BM000879.D
 Acq: 07 Apr 2015 14:38

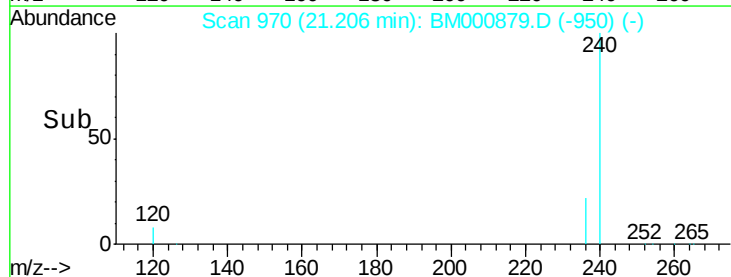
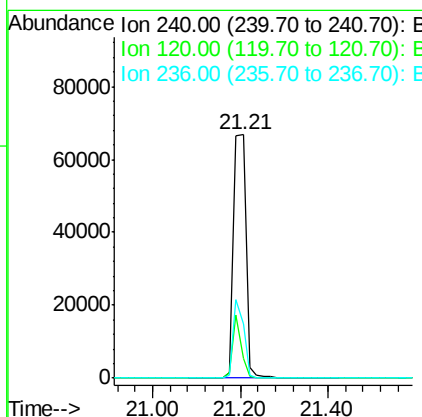
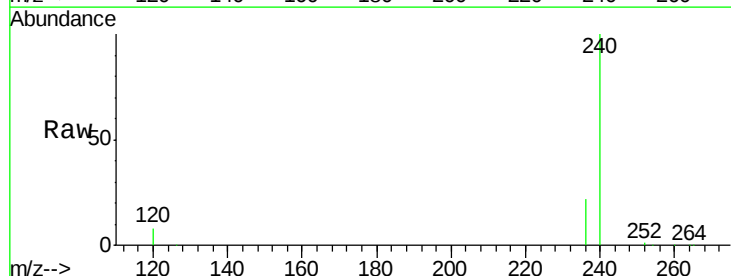
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC005

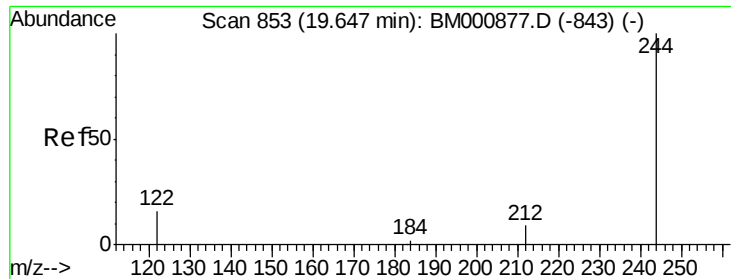
Tot Ion:266 Resp: 13704
 Ion Ratio Lower Upper
 266 100
 268 64.3 61.8 92.8
 264 60.3 53.8 80.6



#30
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 970
 Delta R.T. 0.01 min
 Lab File: BM000879.D
 Acq: 07 Apr 2015 14:38

Tgt Ion:240 Resp: 130492
 Ion Ratio Lower Upper
 240 100
 120 8.3 11.1 16.7#
 236 22.3 20.9 31.3

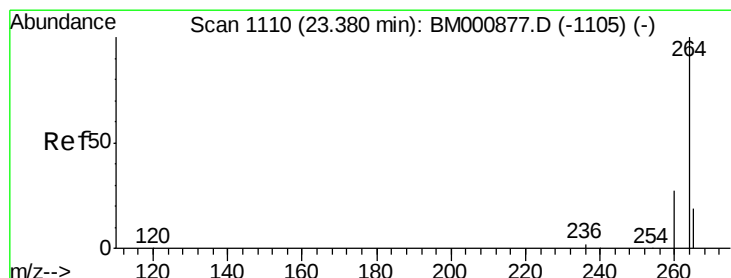
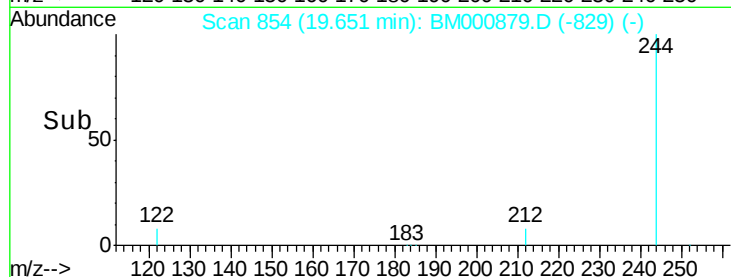
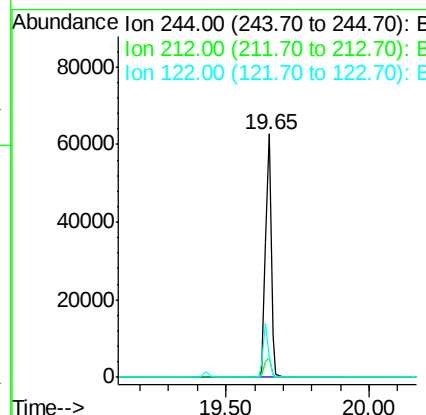
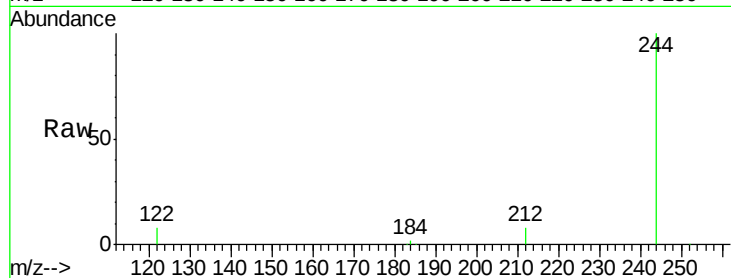




#32
 Terphenyl-d14
 Concen: 5.16 ng
 RT: 19.65 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: BM000879.D
 Acq: 07 Apr 2015 14:38

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC005

Tot Ion:244 Resp: 81505
 Ion Ratio Lower Upper
 244 100
 212 8.2 8.1 12.1
 122 7.8 13.6 20.4#



#34
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.39 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: BM000879.D
 Acq: 07 Apr 2015 14:38

Tgt Ion:264 Resp: 119086
 Ion Ratio Lower Upper
 264 100
 260 24.8 21.6 32.4
 265 21.4 16.1 24.1

