

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101315\
 Data File : BM002893.D
 Acq On : 13 Oct 2015 19:10
 Operator : UM/IZ
 Sample : SSTDICC0.5
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.5

Quant Time: Oct 14 11:18:27 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIM-ACID-BM0101315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 14 11:09:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	89530	5.00	ng	0.00
8) Naphthalene-d8	11.50	136	375220	5.00	ng	0.00
14) Acenaphthene-d10	15.25	164	203751	5.00	ng	0.00
21) Phenanthrene-d10	17.95	188	460181	5.00	ng	0.00
24) Chrysene-d12	22.04	240	422838	5.00	ng	0.00
26) Perylene-d12	24.61	264	397980	5.00	ng	0.00

System Monitoring Compounds						
2) 2-Fluorophenol	6.15	112	7430	0.50	ng	0.02
3) Phenol-d6	7.80	99	11528	0.57	ng	0.02
9) Nitrobenzene-d5	9.87	82	10768	0.51	ng	0.01
15) 2,4,6-Tribromophenol	16.74	330	3217	0.39	ng	0.02
18) 2-Fluorobiphenyl	13.88	172	33095	0.52	ng	0.01
25) Terphenyl-d14	20.48	244	31827	0.57	ng	0.00

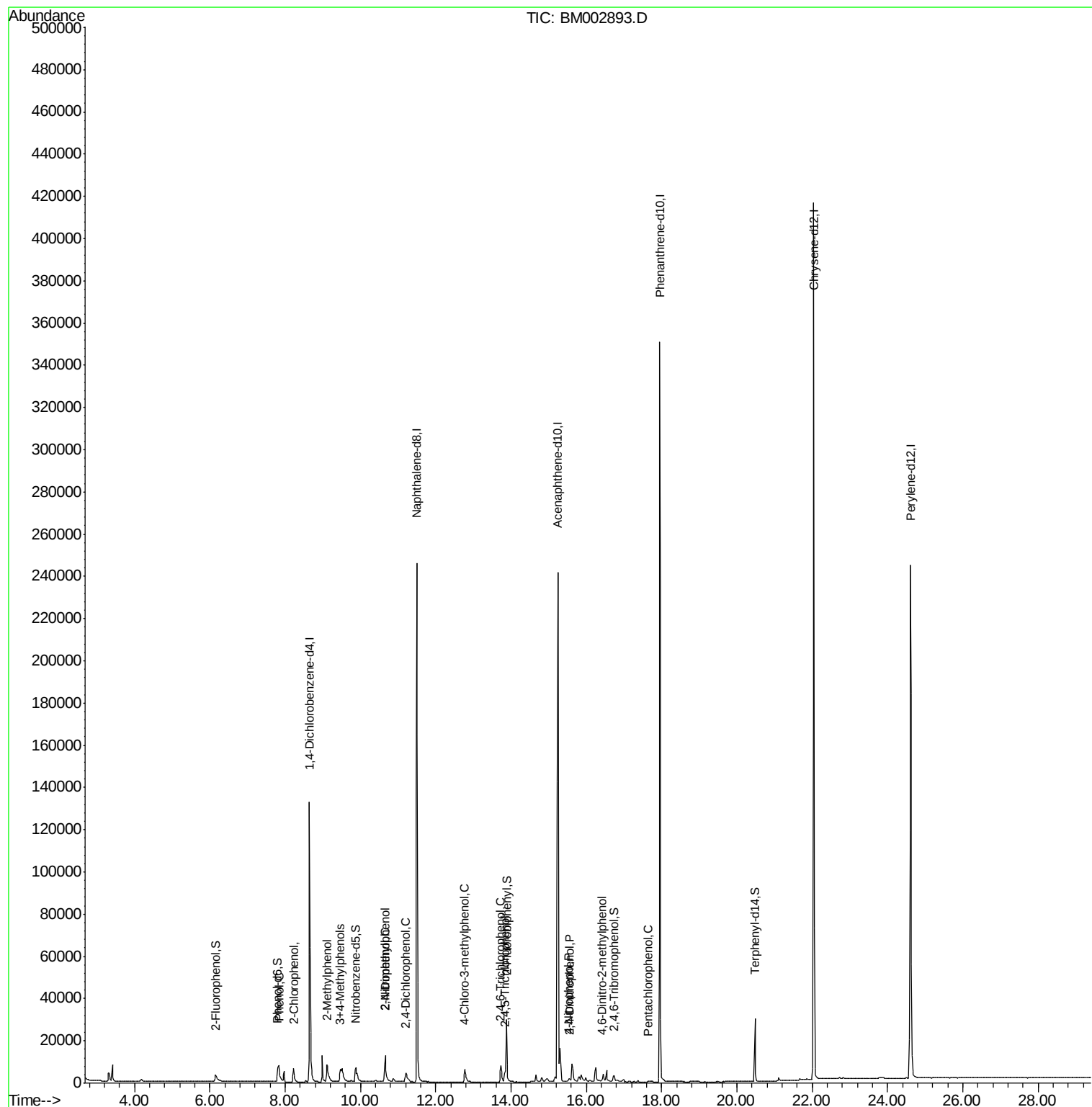
Target Compounds						Qvalue
4) 2-Chlorophenol	8.22	128	10938	0.78	ng	# 74
5) Phenol	7.83	94	11419	0.56	ng	89
6) 2-Methylphenol	9.11	107	8794	0.77	ng	# 77
7) 3+4-Methylphenols	9.46	107	10625	0.72	ng	# 35
10) 2-Nitrophenol	10.66	139	4279	0.50	ng	# 71
11) 2,4-Dimethylphenol	10.66	122	9646	0.53	ng	92
12) 2,4-Dichlorophenol	11.21	162	7489	0.41	ng	86
13) 4-Chloro-3-methylphenol	12.77	107	9304	0.48	ng	# 74
16) 2,4,6-Trichlorophenol	13.73	196	5922	0.40	ng	# 68
17) 2,4,5-Trichlorophenol	13.84	196	6328	0.38	ng	# 96
19) 2,4-Dinitrophenol	15.56	184	71	0.02	ng	# 1
20) 4-Nitrophenol	15.54	139	1461	0.13	ng	84
22) 4,6-Dinitro-2-methylphenol	16.43	198	1006	0.11	ng	# 24
23) Pentachlorophenol	17.65	266	1014	0.13	ng	95

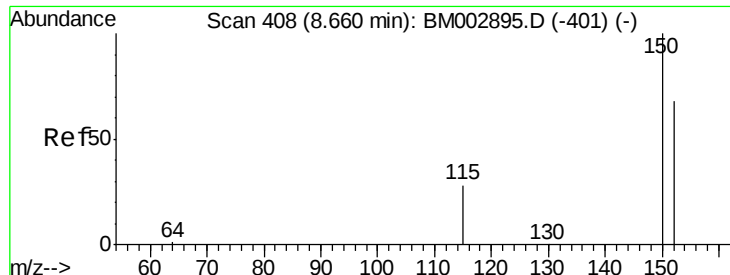
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.66 min Scan# 408

Delta R.T. 0.00 min

Lab File: BM002893.D

Acq: 13 Oct 2015 19:10

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.5

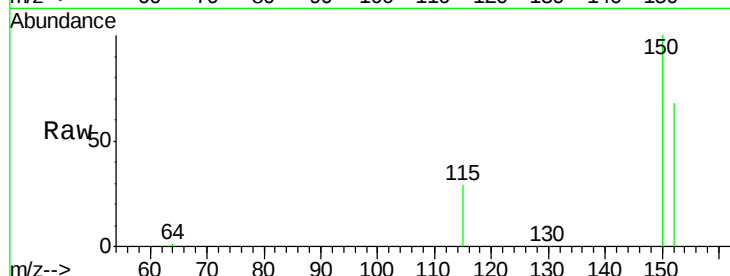
Tot Ion:152 Resp: 89530

Ion Ratio Lower Upper

152 100

150 147.4 116.3 174.5

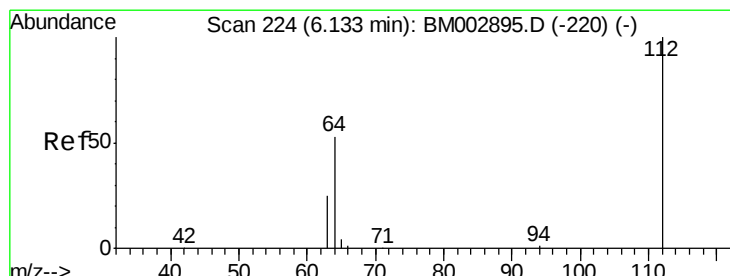
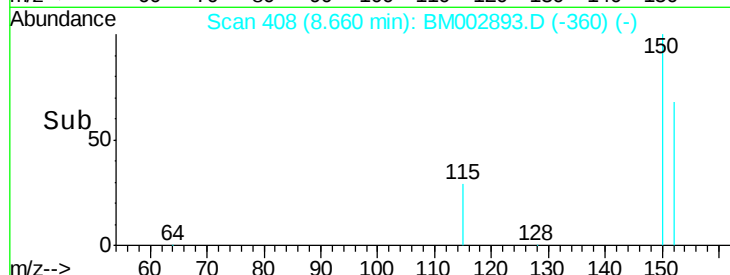
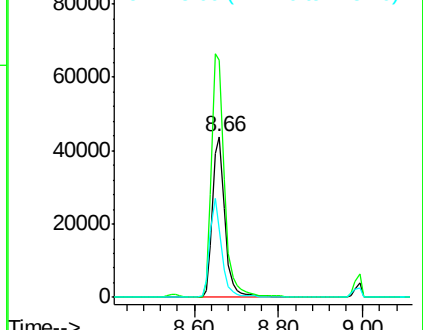
115 42.3 31.9 47.9



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



#2

2-Fluorophenol

Concen: 0.50 ng

RT: 6.15 min Scan# 225

Delta R.T. 0.02 min

Lab File: BM002893.D

Acq: 13 Oct 2015 19:10

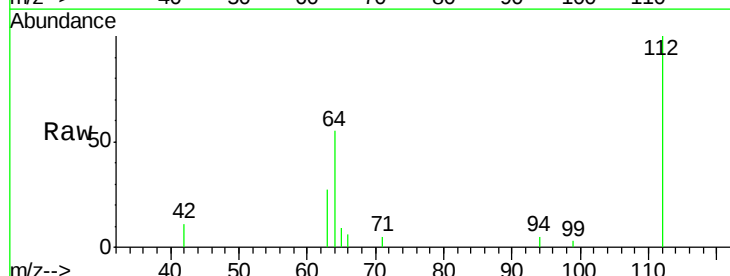
Tgt Ion:112 Resp: 7430

Ion Ratio Lower Upper

112 100

64 54.8 49.3 73.9

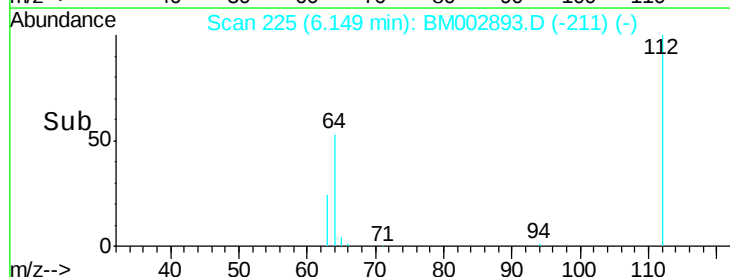
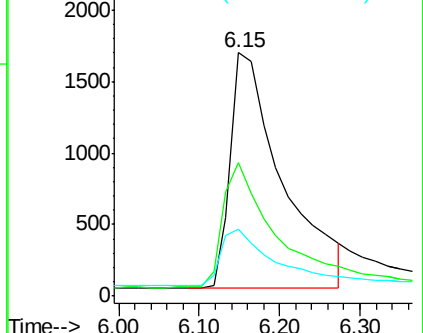
63 27.5 26.2 39.4

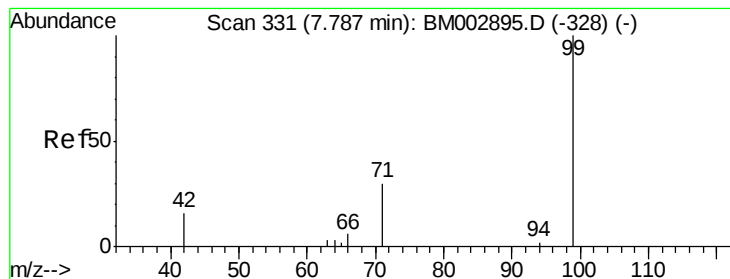


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#3

Phenol-d6

Concen: 0.57 ng

RT: 7.80 min Scan# 332

Delta R.T. 0.02 min

Lab File: BM002893.D

Acq: 13 Oct 2015 19:10

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.5

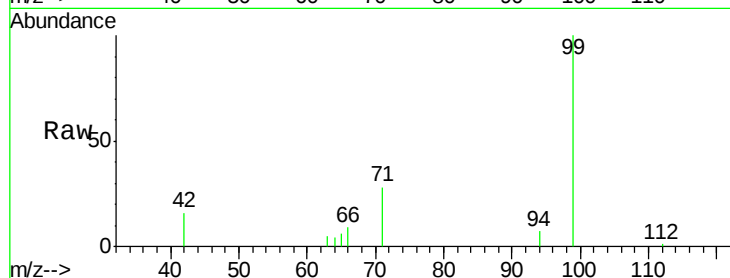
Tot Ion: 99 Resp: 11528

Ion Ratio Lower Upper

99 100

42 16.0 12.1 18.1

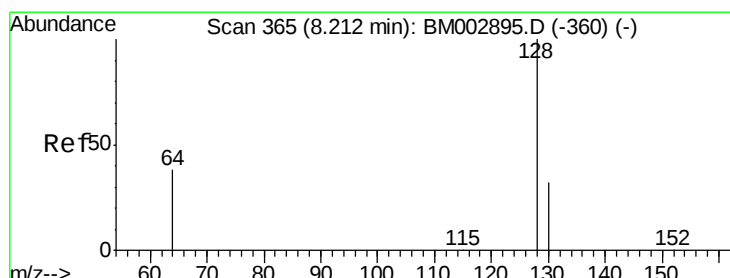
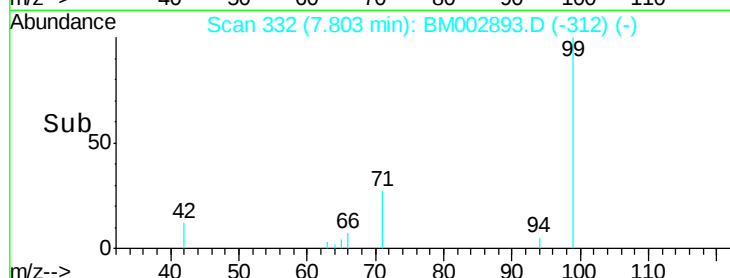
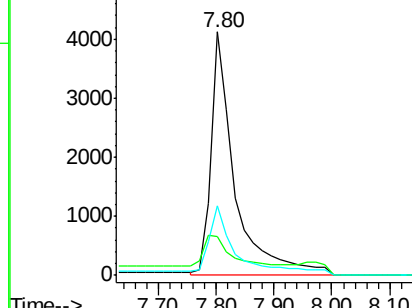
71 28.5 26.4 39.6



Abundance Ion 99.00 (98.70 to 99.70): BM002893.D (-312) (-)

Ion 42.00 (41.70 to 42.70): BM002893.D (-312) (-)

Ion 71.00 (70.70 to 71.70): BM002893.D (-312) (-)



#4

2-Chlorophenol

Concen: 0.78 ng

RT: 8.22 min Scan# 366

Delta R.T. 0.01 min

Lab File: BM002893.D

Acq: 13 Oct 2015 19:10

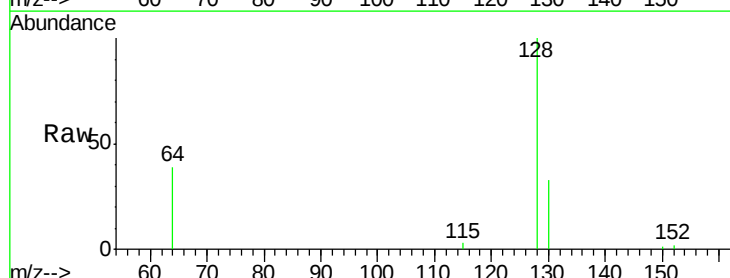
Tgt Ion: 128 Resp: 10938

Ion Ratio Lower Upper

128 100

130 33.0 22.2 62.2

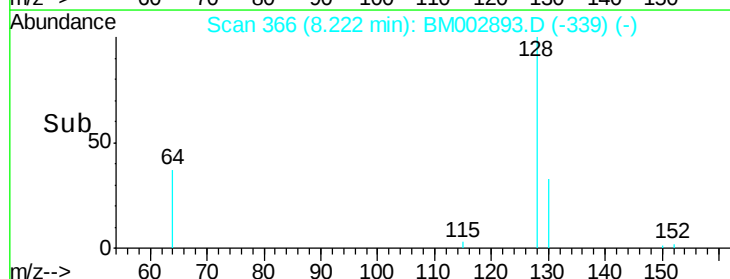
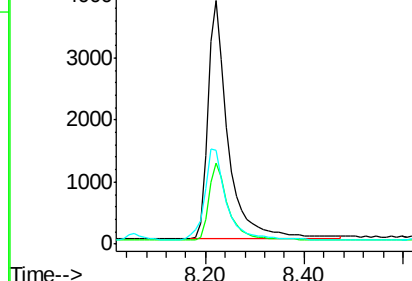
64 38.6 0.0 28.7#

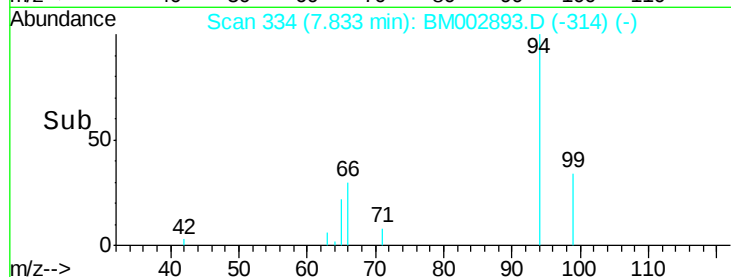
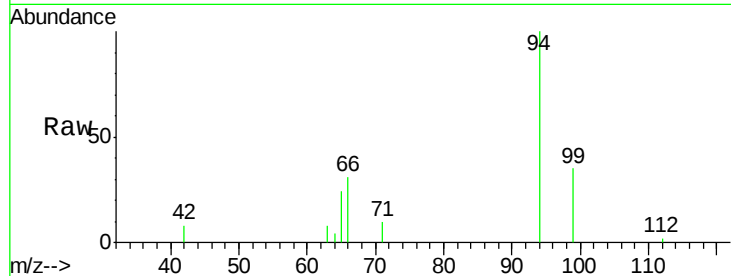
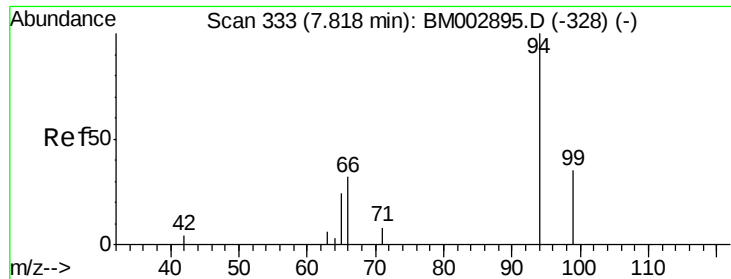


Abundance Ion 128.00 (127.70 to 128.70): BM002893.D (-339) (-)

Ion 130.00 (129.70 to 130.70): BM002893.D (-339) (-)

Ion 64.00 (63.70 to 64.70): BM002893.D (-339) (-)





#5

Phenol

Concen: 0.56 ng

RT: 7.83 min Scan# 334

Delta R.T. 0.02 min

Lab File: BM002893.D

Acq: 13 Oct 2015 19:10

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.5

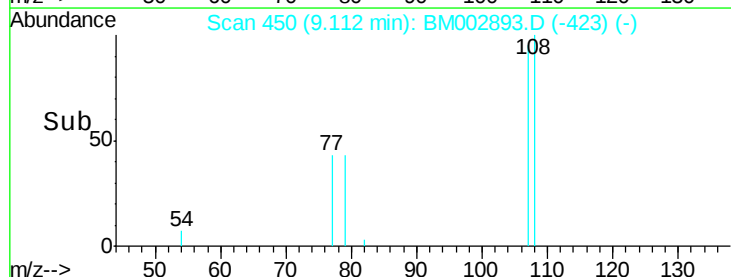
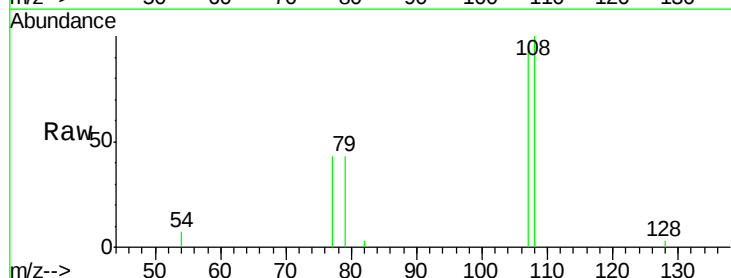
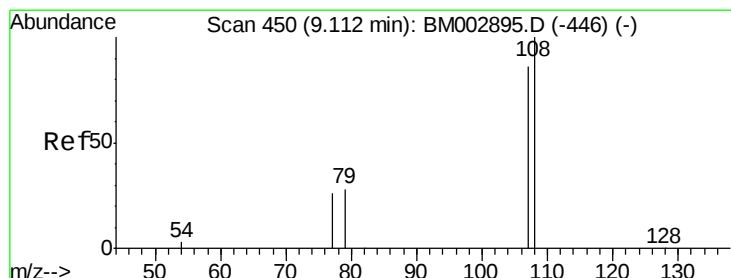
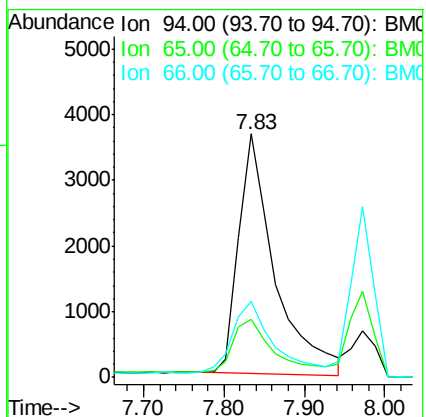
Tot Ion: 94 Resp: 11419

Ion Ratio Lower Upper

94 100

65 23.9 0.0 37.7

66 31.2 6.3 46.3



#6

2-Methylphenol

Concen: 0.77 ng

RT: 9.11 min Scan# 450

Delta R.T. 0.00 min

Lab File: BM002893.D

Acq: 13 Oct 2015 19:10

Tgt Ion: 107 Resp: 8794

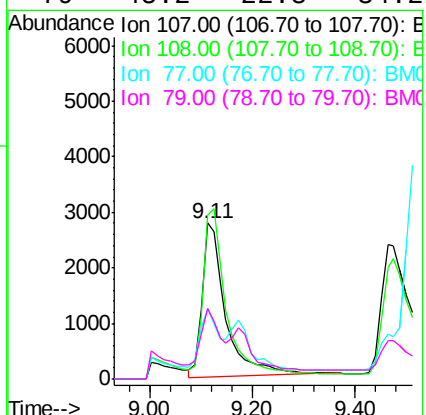
Ion Ratio Lower Upper

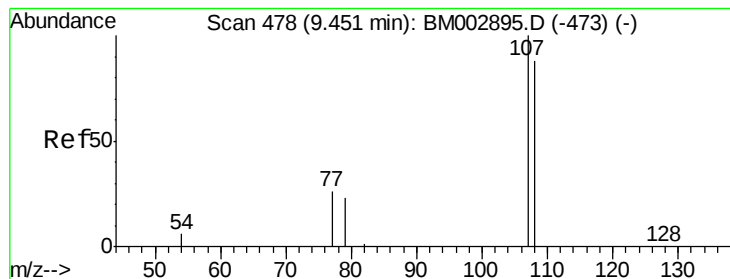
107 100

108 105.5 100.9 151.3

77 45.5 20.3 30.5#

79 45.2 22.8 34.2#





#7

3+4-Methylphenols

Concen: 0.72 ng

RT: 9.46 min Scan# 479

Delta R.T. 0.01 min

Lab File: BM002893.D

Acq: 13 Oct 2015 19:10

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.5

Tot Ion:107 Resp: 10625

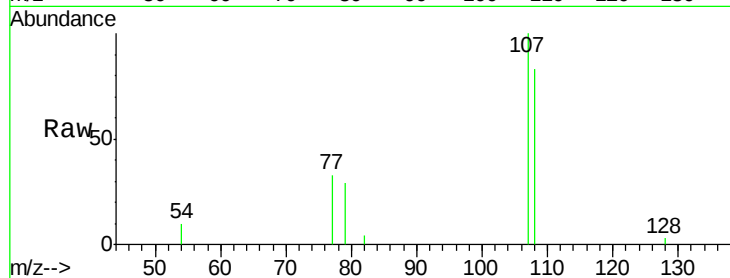
Ion Ratio Lower Upper

107 100

108 83.0 86.3 126.3#

77 33.2 151.7 191.7#

79 28.9 7.4 47.4

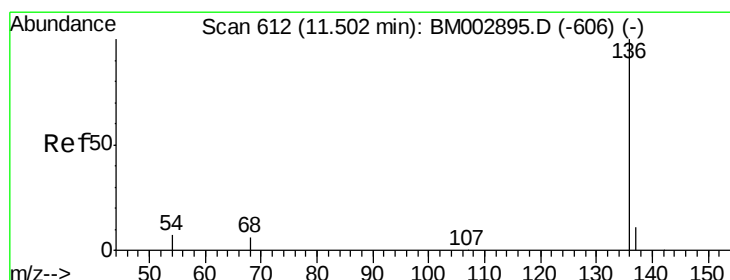
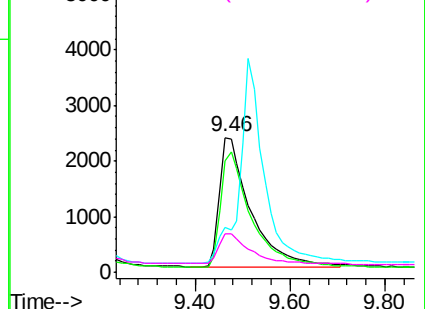
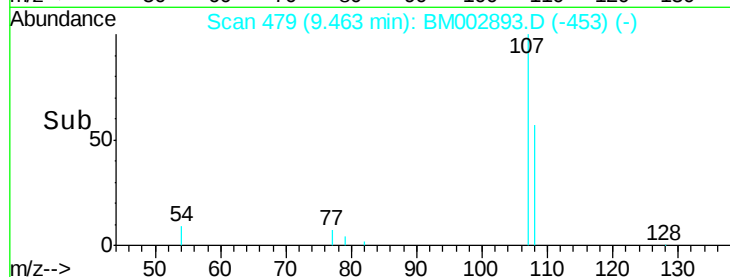


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 11.50 min Scan# 612

Delta R.T. 0.00 min

Lab File: BM002893.D

Acq: 13 Oct 2015 19:10

Tgt Ion:136 Resp: 375220

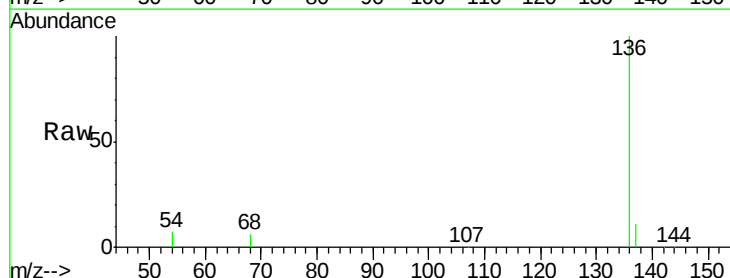
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 7.2 2.6 3.8#

68 6.1 2.2 3.2#

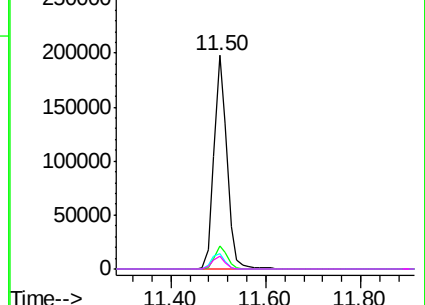
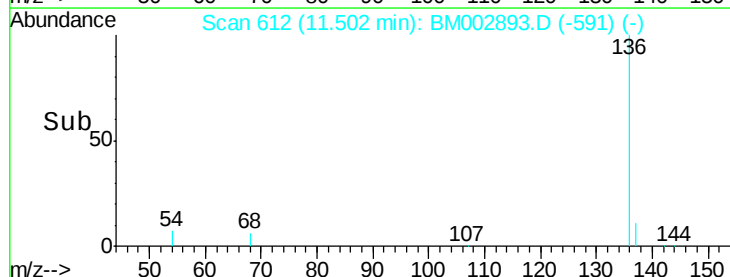


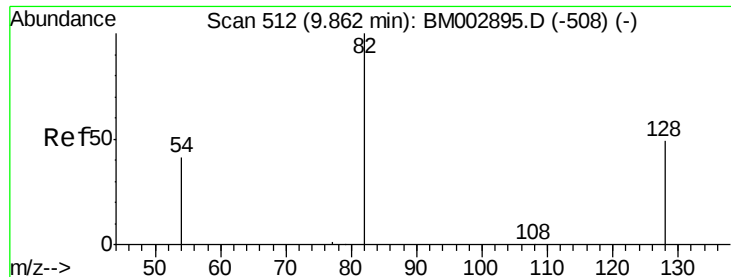
Abundance Ion 136.00 (135.70 to 136.70): E

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





#9

Nitrobenzene-d5

Concen: 0.51 ng

RT: 9.87 min Scan# 513

Delta R.T. 0.01 min

Lab File: BM002893.D

Acq: 13 Oct 2015 19:10

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.5

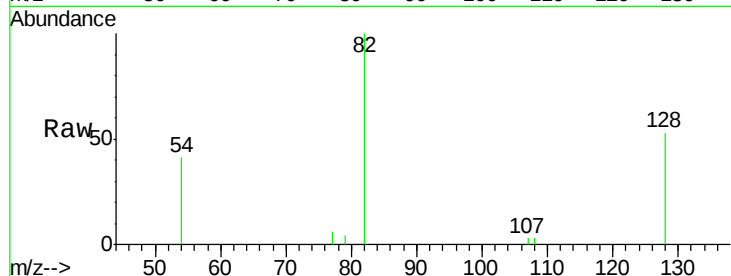
Tot Ion: 82 Resp: 10768

Ion Ratio Lower Upper

82 100

128 54.3 0.0 0.0#

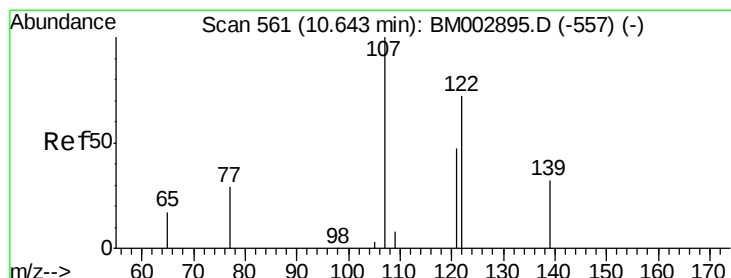
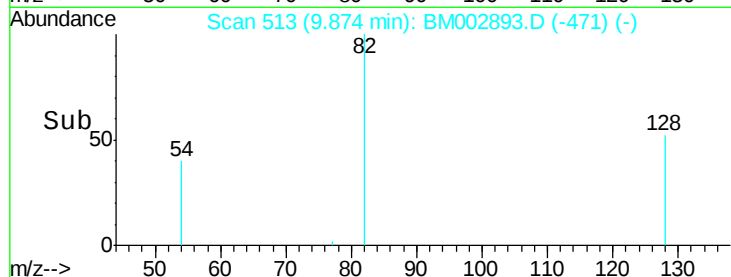
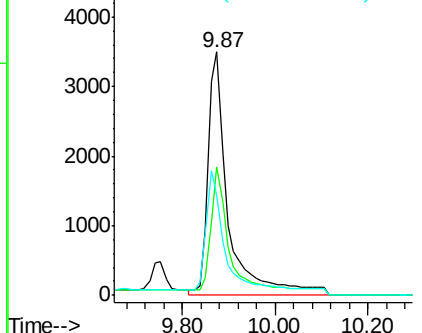
54 55.7 59.0 88.6#



Abundance Ion 82.00 (81.70 to 82.70): BM002893.D (-508) (-)

Ion 128.00 (127.70 to 128.70): BM002893.D (-508) (-)

Ion 54.00 (53.70 to 54.70): BM002893.D (-508) (-)



#10

2-Nitrophenol

Concen: 0.50 ng

RT: 10.66 min Scan# 562

Delta R.T. 0.02 min

Lab File: BM002893.D

Acq: 13 Oct 2015 19:10

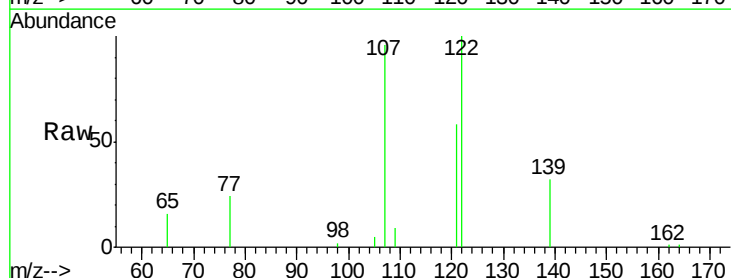
Tgt Ion: 139 Resp: 4279

Ion Ratio Lower Upper

139 100

109 27.5 19.5 29.3

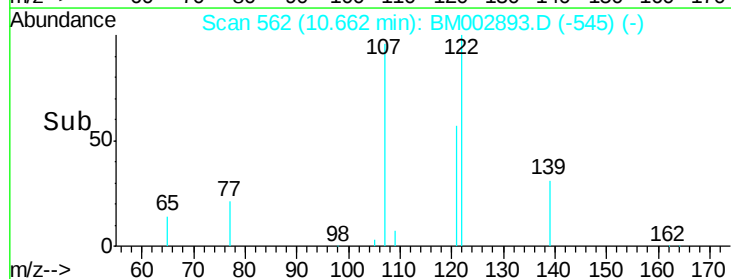
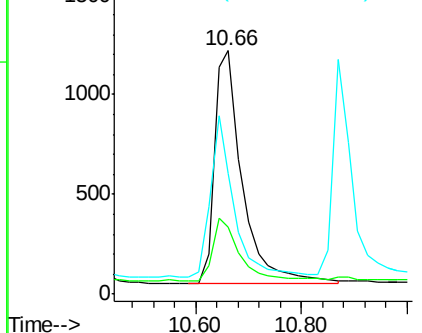
65 49.3 18.6 28.0#

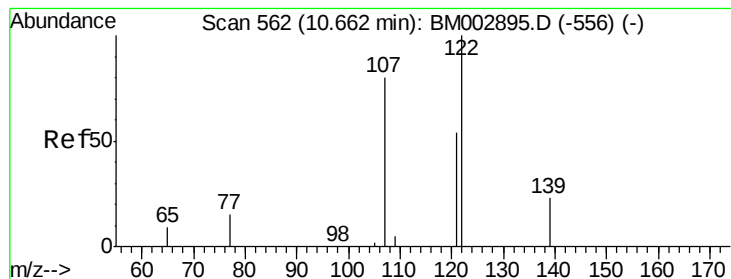


Abundance Ion 139.00 (138.70 to 139.70): BM002893.D (-545) (-)

Ion 109.00 (108.70 to 109.70): BM002893.D (-545) (-)

Ion 65.00 (64.70 to 65.70): BM002893.D (-545) (-)

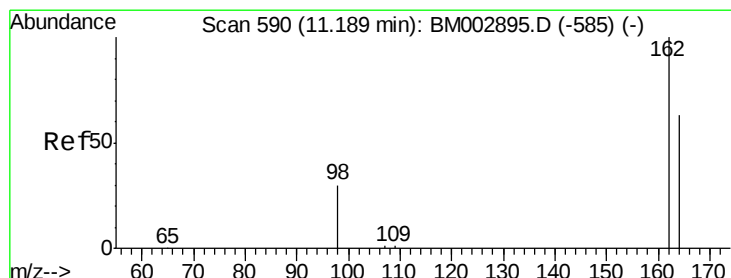
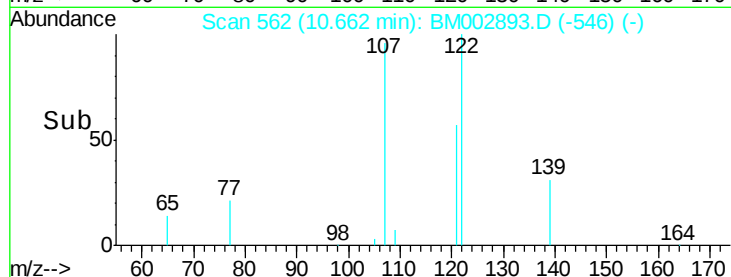
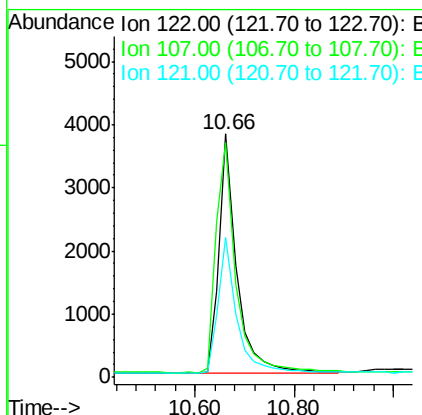
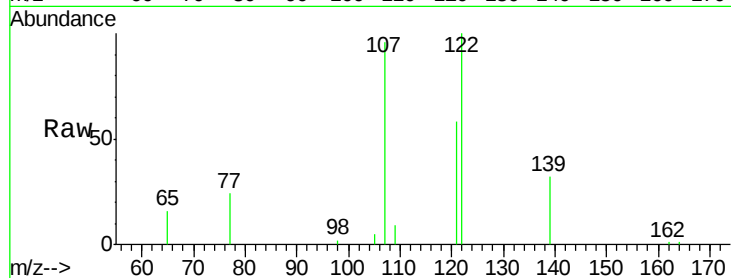




#11
 2,4-Dimethylphenol
 Concen: 0.53 ng
 RT: 10.66 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: BM002893.D
 Acq: 13 Oct 2015 19:10

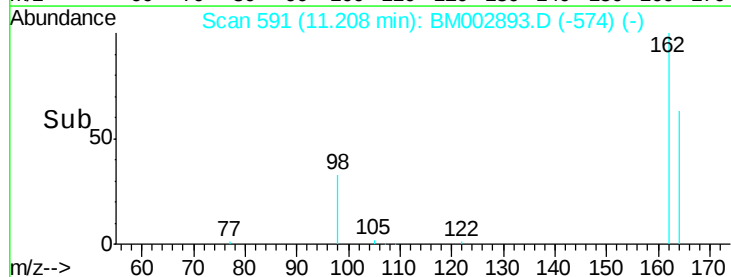
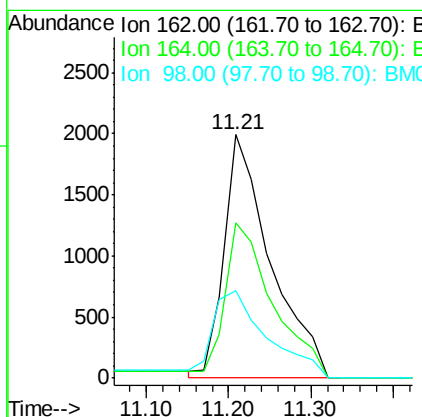
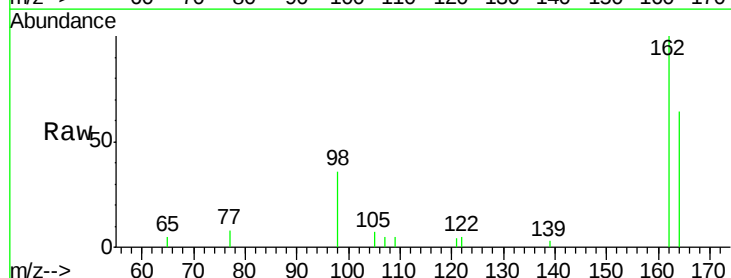
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.5

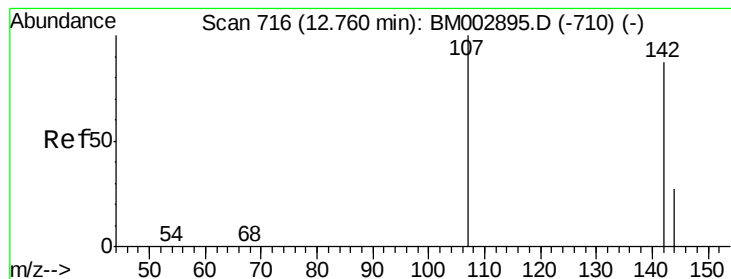
Tot Ion:122 Resp: 9646
 Ion Ratio Lower Upper
 122 100
 107 96.2 68.6 102.8
 121 57.7 44.8 67.2



#12
 2,4-Dichlorophenol
 Concen: 0.41 ng
 RT: 11.21 min Scan# 591
 Delta R.T. 0.02 min
 Lab File: BM002893.D
 Acq: 13 Oct 2015 19:10

Tgt Ion:162 Resp: 7489
 Ion Ratio Lower Upper
 162 100
 164 63.6 49.2 89.2
 98 35.9 0.0 37.4





#13

4-Chloro-3-methylphenol

Concen: 0.48 ng

RT: 12.77 min Scan# 717

Delta R.T. 0.01 min

Lab File: BM002893.D

Acq: 13 Oct 2015 19:10

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.5

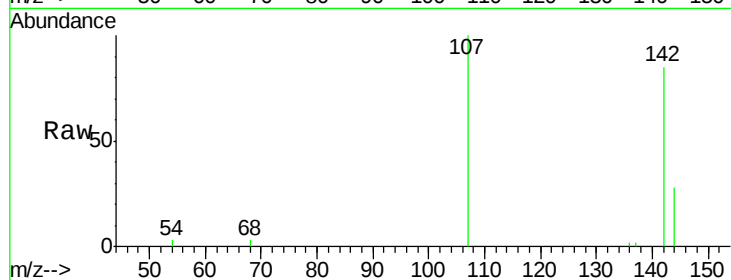
Tot Ion:107 Resp: 9304

Ion Ratio Lower Upper

107 100

144 27.7 16.2 24.2#

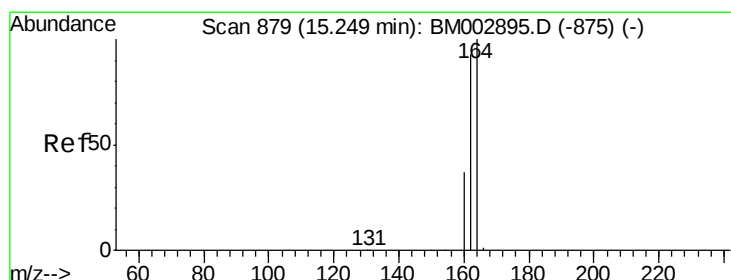
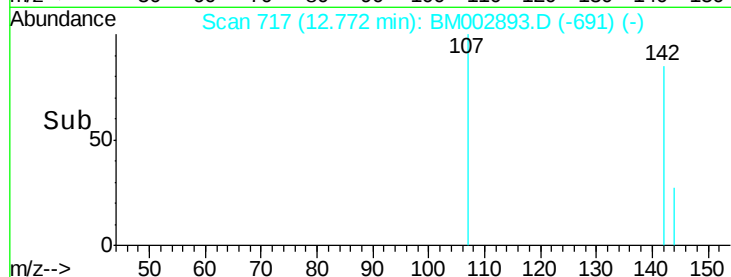
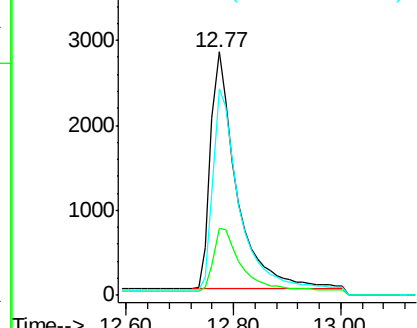
142 84.5 49.8 74.6#



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



#14

Acenaphthene-d10

Concen: 5.00 ng

RT: 15.25 min Scan# 879

Delta R.T. 0.00 min

Lab File: BM002893.D

Acq: 13 Oct 2015 19:10

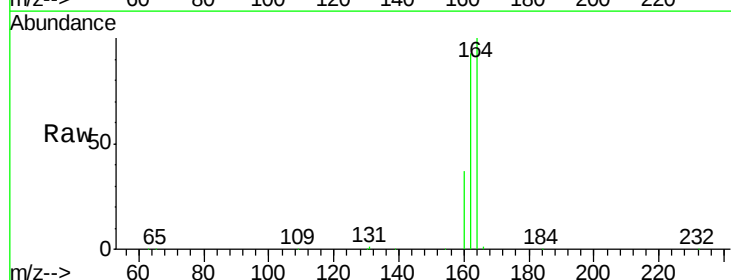
Tgt Ion:164 Resp: 203751

Ion Ratio Lower Upper

164 100

162 93.4 79.2 118.8

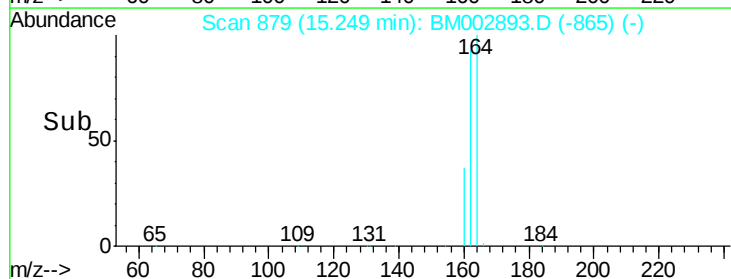
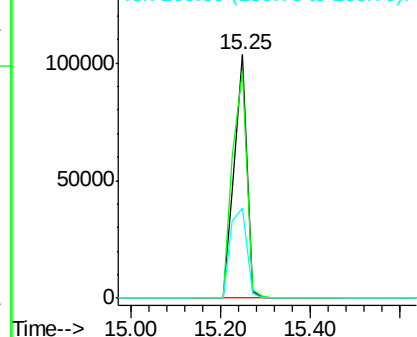
160 36.9 33.7 50.5

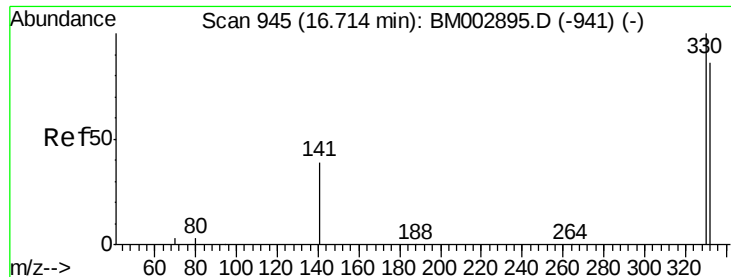


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

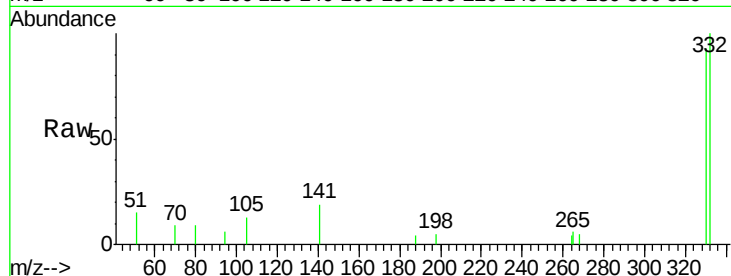




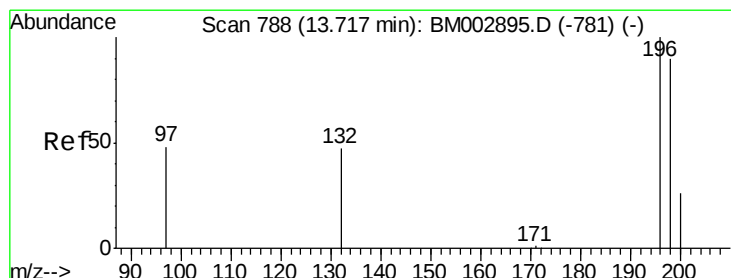
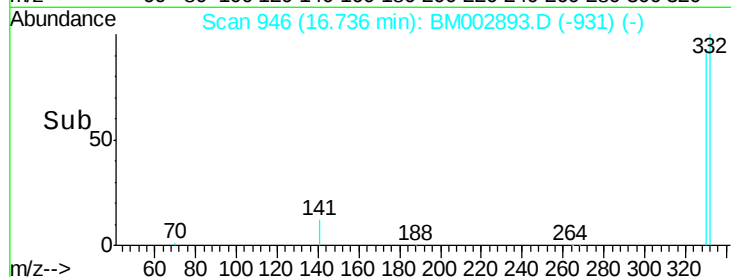
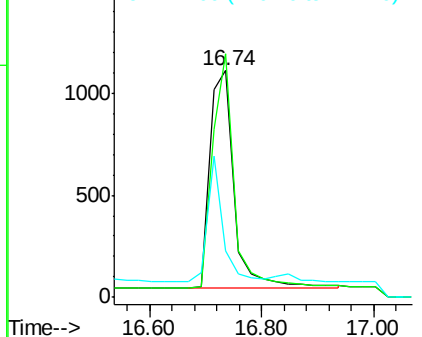
#15
 2,4,6-Tribromophenol
 Concen: 0.39 ng
 RT: 16.74 min Scan# 946
 Delta R.T. 0.02 min
 Lab File: BM002893.D
 Acq: 13 Oct 2015 19:10

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.5

Tot Ion:330 Resp: 3217
 Ion Ratio Lower Upper
 330 100
 332 95.4 74.0 111.0
 141 0.0 24.1 36.1#

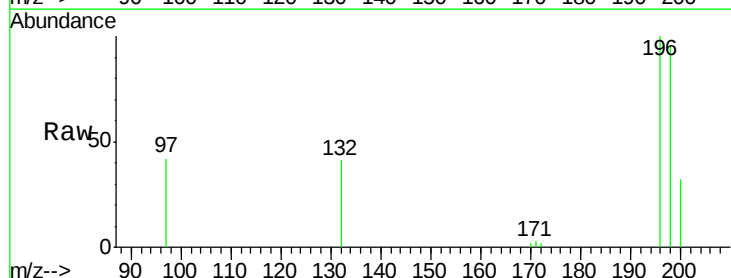


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

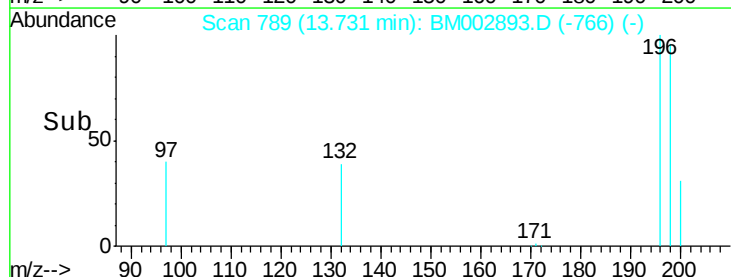
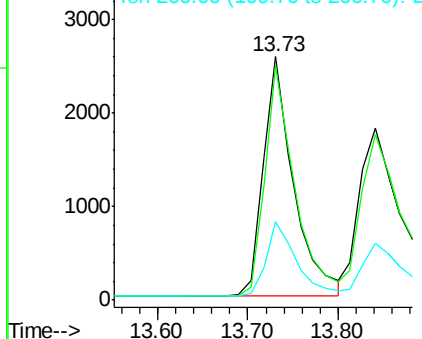


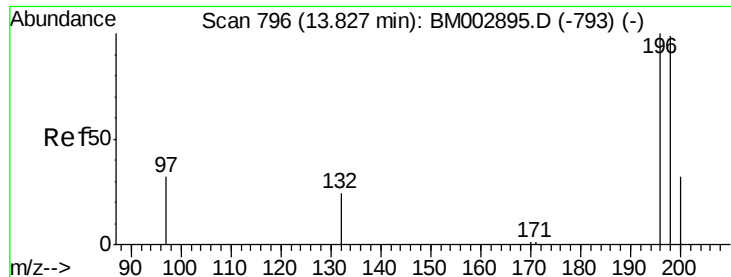
#16
 2,4,6-Trichlorophenol
 Concen: 0.40 ng
 RT: 13.73 min Scan# 789
 Delta R.T. 0.01 min
 Lab File: BM002893.D
 Acq: 13 Oct 2015 19:10

Tgt Ion:196 Resp: 5922
 Ion Ratio Lower Upper
 196 100
 198 96.3 54.2 81.2#
 200 32.1 17.1 25.7#



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

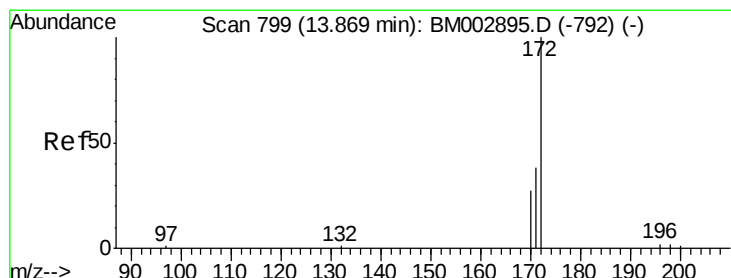
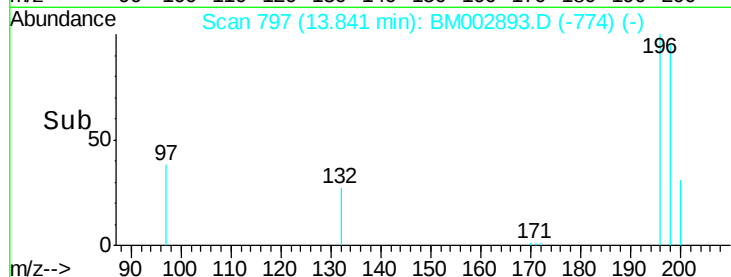
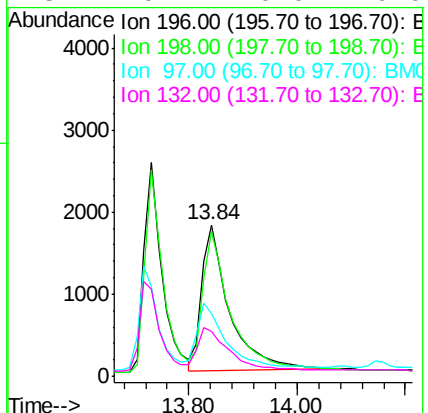
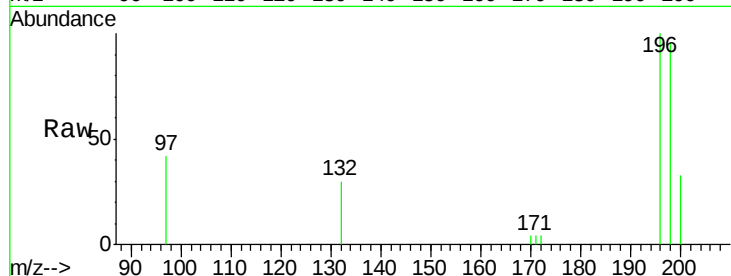




#17
2,4,5-Trichlorophenol
Concen: 0.38 ng
RT: 13.84 min Scan# 797
Delta R.T. 0.01 min
Lab File: BM002893.D
Acq: 13 Oct 2015 19:10

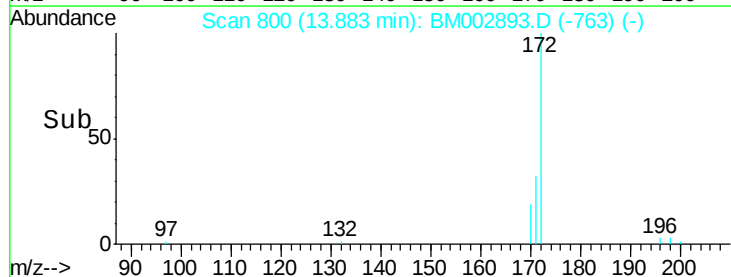
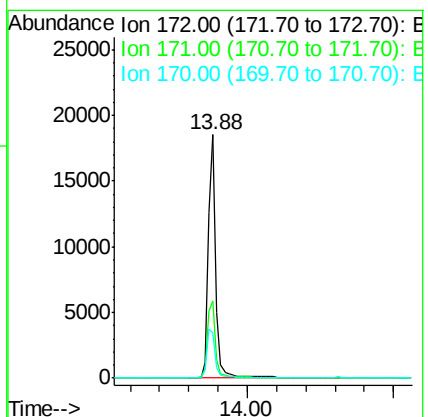
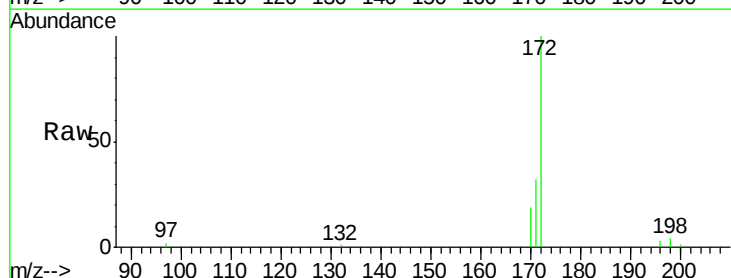
Instrument :
BNA_M
ClientSampleId :
SSTDIC0.5

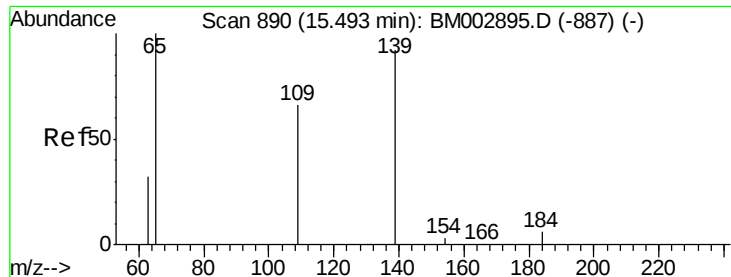
Tot Ion:196 Resp: 6328
Ion Ratio Lower Upper
196 100
198 95.8 73.6 110.4
97 41.8 0.0 0.0#
132 29.7 0.0 0.0#



#18
2-Fluorobiphenyl
Concen: 0.52 ng
RT: 13.88 min Scan# 800
Delta R.T. 0.01 min
Lab File: BM002893.D
Acq: 13 Oct 2015 19:10

Tgt Ion:172 Resp: 33095
Ion Ratio Lower Upper
172 100
171 34.3 0.0 0.0#
170 22.5 0.0 0.0#

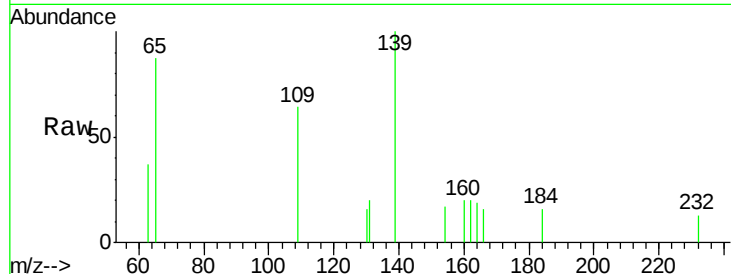




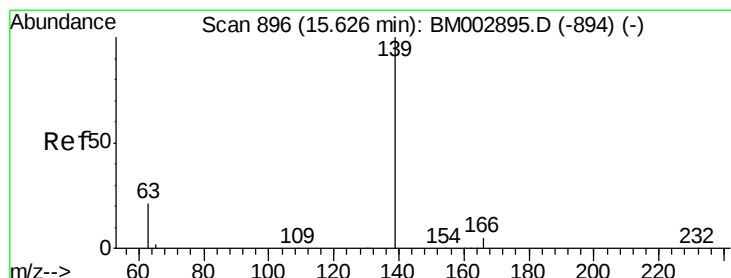
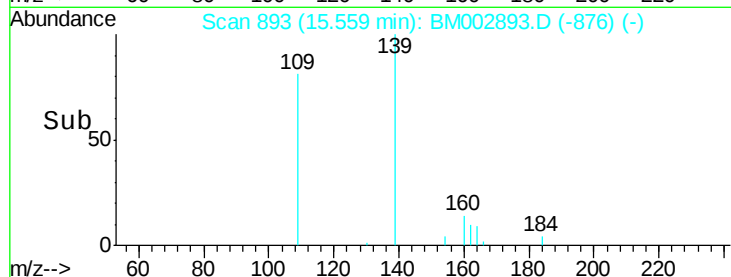
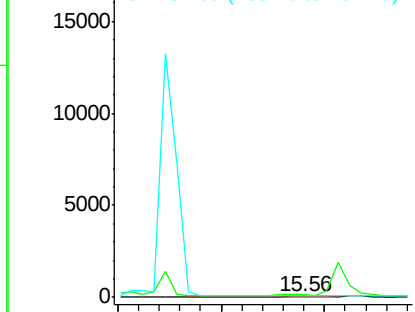
#19
2,4-Dinitrophenol
Concen: 0.02 ng
RT: 15.56 min Scan# 893
Delta R.T. 0.07 min
Lab File: BM002893.D
Acq: 13 Oct 2015 19:10

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.5

Tot Ion:184 Resp: 71
Ion Ratio Lower Upper
184 100
63 238.3 52.0 78.0#
154 110.0 51.4 77.2#

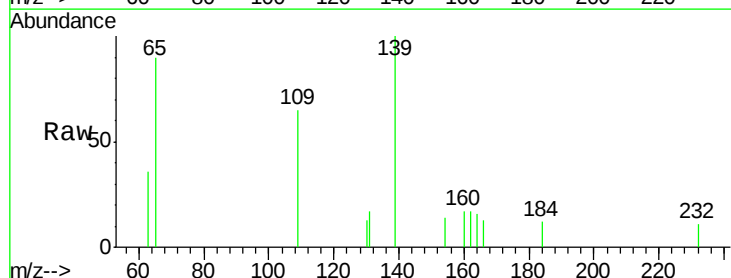


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BM002893.D (-887) (-)
Ion 154.00 (153.70 to 154.70): E

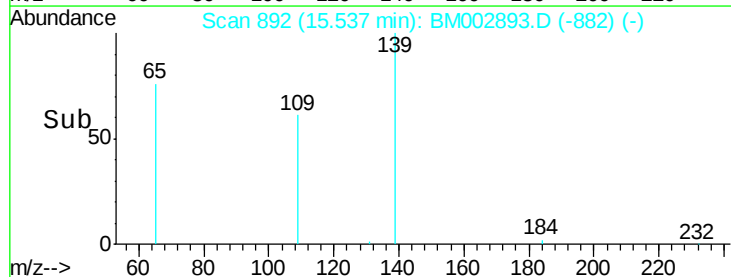
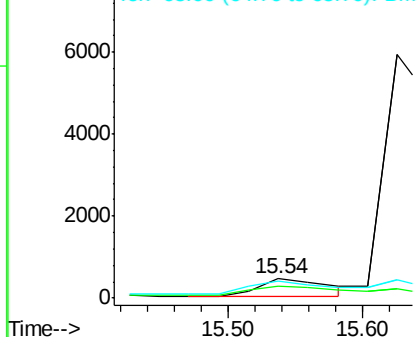


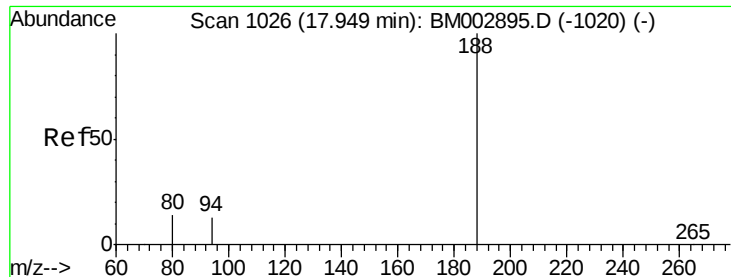
#20
4-Nitrophenol
Concen: 0.13 ng
RT: 15.54 min Scan# 892
Delta R.T. -0.09 min
Lab File: BM002893.D
Acq: 13 Oct 2015 19:10

Tgt Ion:139 Resp: 1461
Ion Ratio Lower Upper
139 100
109 65.0 60.0 100.0
65 89.8 85.7 125.7



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BM002893.D (-887) (-)

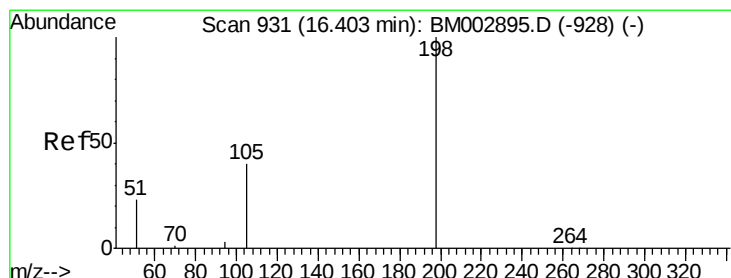
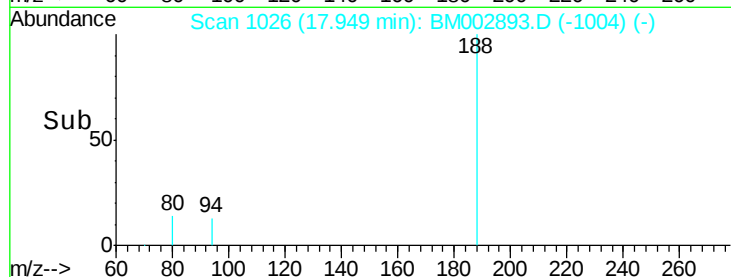
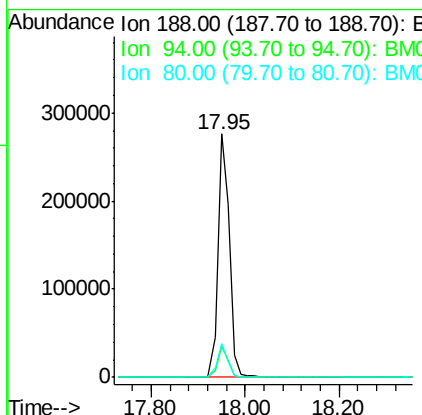
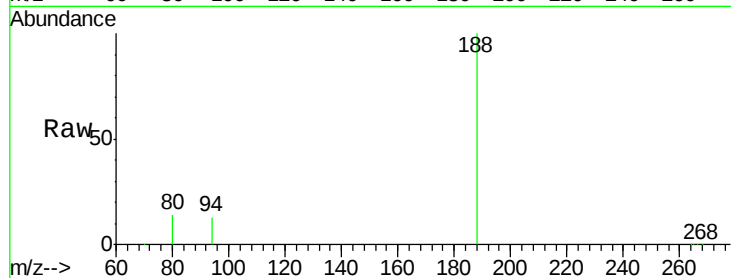




#21
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.95 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BM002893.D
Acq: 13 Oct 2015 19:10

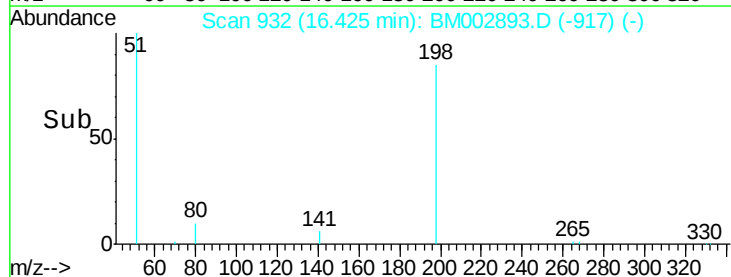
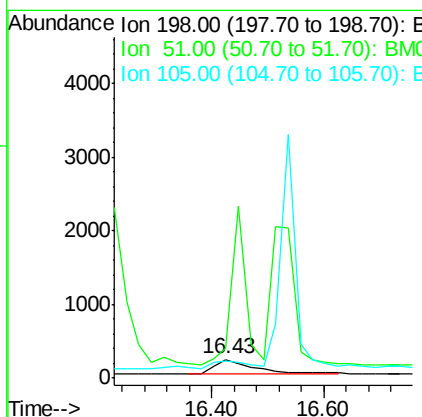
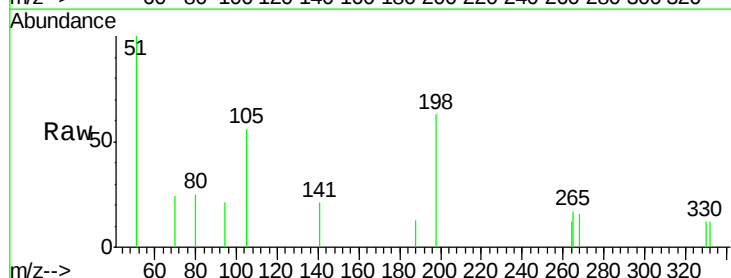
Instrument :
BNA_M
ClientSampleId :
SSTDIC0.5

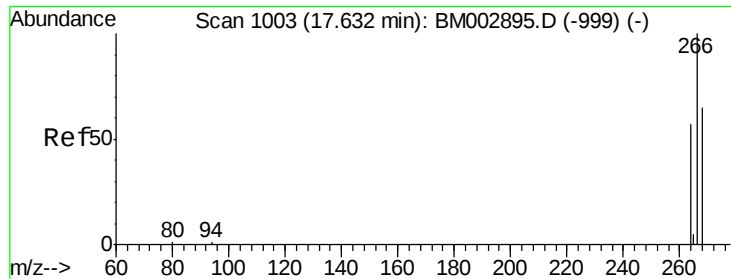
Tot Ion:188 Resp: 460181
Ion Ratio Lower Upper
188 100
94 12.6 2.9 4.3#
80 14.1 2.5 3.7#



#22
4,6-Dinitro-2-methylphenol
Concen: 0.11 ng
RT: 16.43 min Scan# 932
Delta R.T. 0.02 min
Lab File: BM002893.D
Acq: 13 Oct 2015 19:10

Tgt Ion:198 Resp: 1006
Ion Ratio Lower Upper
198 100
51 158.3 60.8 100.8#
105 89.4 30.0 70.0#

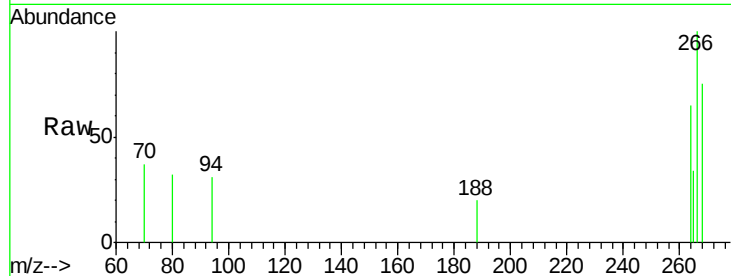




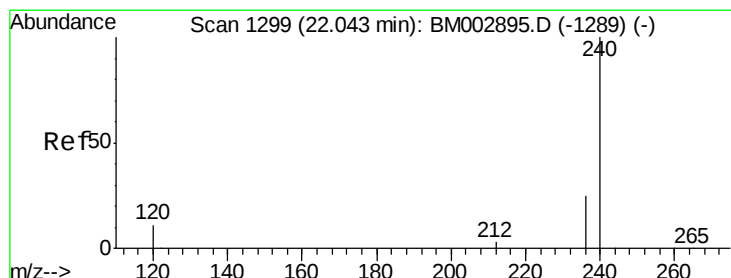
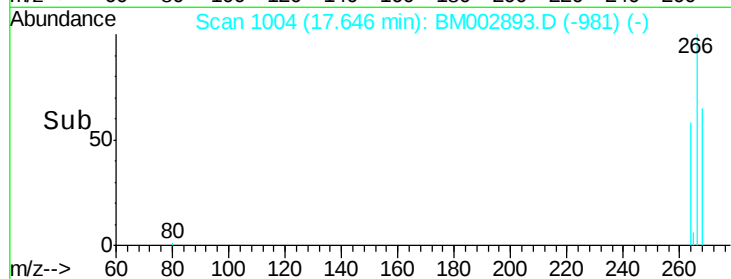
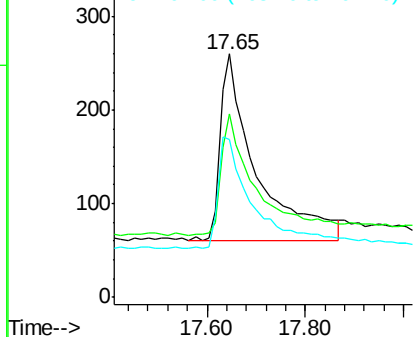
#23
 Pentachlorophenol
 Concen: 0.13 ng
 RT: 17.65 min Scan# 1004
 Delta R.T. 0.01 min
 Lab File: BM002893.D
 Acq: 13 Oct 2015 19:10

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.5

Tot Ion:266 Resp: 1014
 Ion Ratio Lower Upper
 266 100
 268 75.4 62.6 94.0
 264 64.6 47.9 71.9

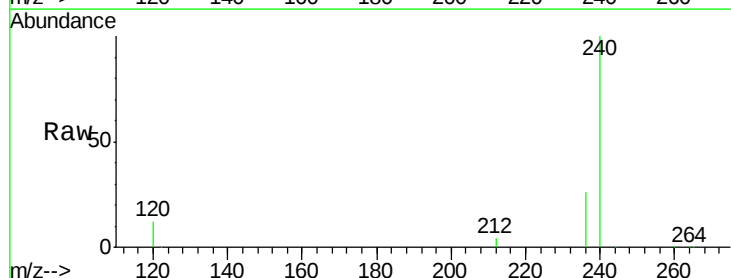


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

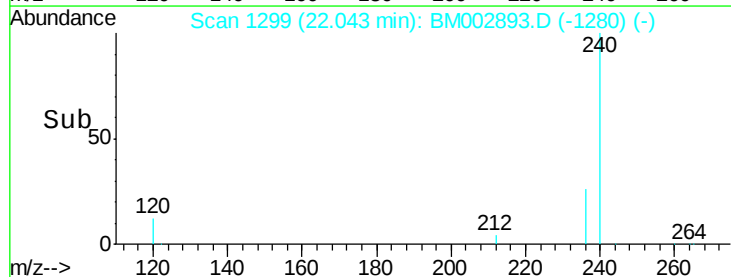
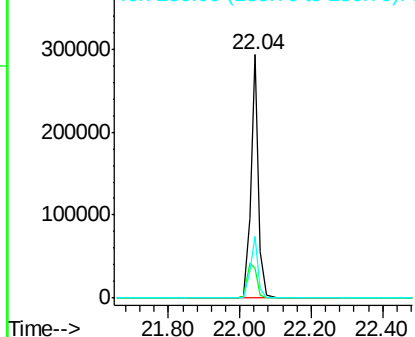


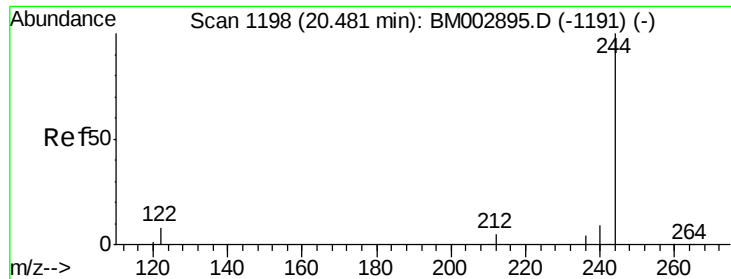
#24
 Chrysene-d12
 Concen: 5.00 ng
 RT: 22.04 min Scan# 1299
 Delta R.T. 0.00 min
 Lab File: BM002893.D
 Acq: 13 Oct 2015 19:10

Tgt Ion:240 Resp: 422838
 Ion Ratio Lower Upper
 240 100
 120 12.5 10.4 15.6
 236 25.5 22.0 33.0



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





#25

Terphenyl-d14

Concen: 0.57 ng

RT: 20.48 min Scan# 1198

Delta R.T. -0.00 min

Lab File: BM002893.D

Acq: 13 Oct 2015 19:10

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.5

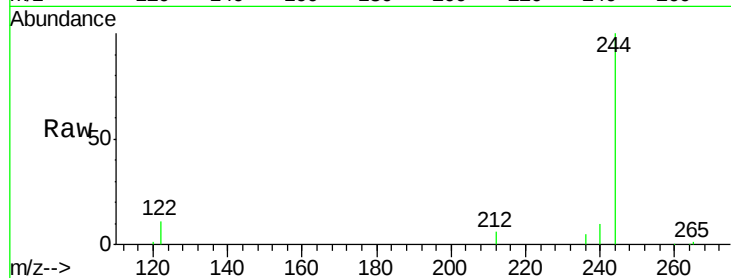
Tot Ion:244 Resp: 31827

Ion Ratio Lower Upper

244 100

212 8.2 7.3 10.9

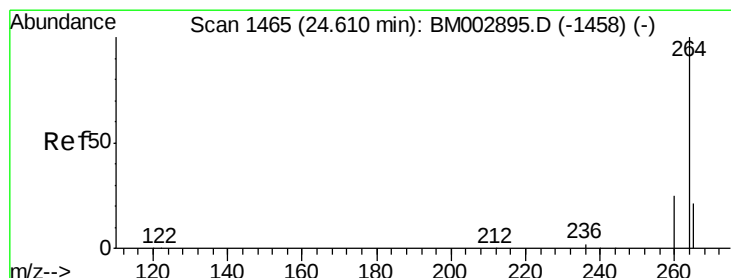
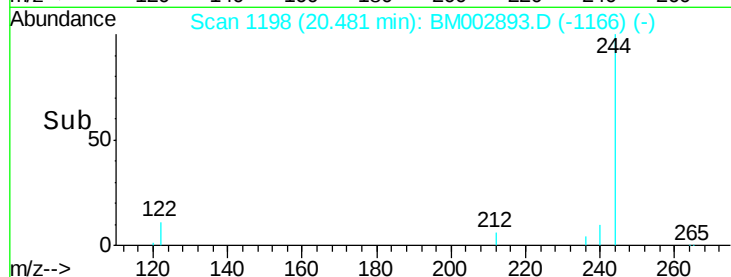
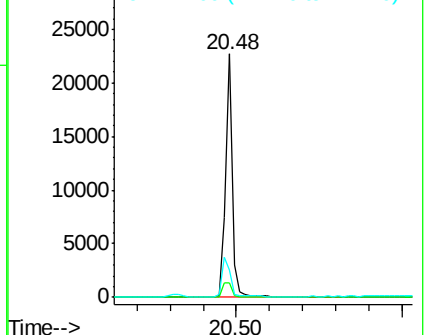
122 19.2 14.8 22.2



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



#26

Perylene-d12

Concen: 5.00 ng

RT: 24.61 min Scan# 1465

Delta R.T. -0.00 min

Lab File: BM002893.D

Acq: 13 Oct 2015 19:10

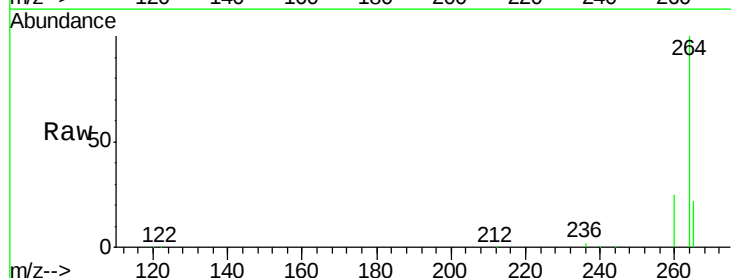
Tgt Ion:264 Resp: 397980

Ion Ratio Lower Upper

264 100

260 25.2 19.7 29.5

265 21.5 17.4 26.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

