

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
 Data File : BF098798.D
 Acq On : 25 Sep 2017 22:30
 Operator : SJ/JU
 Sample : I5368-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 05:21:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	134381	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	541460	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	258035	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	486458	20.00	ng	0.00
75) Chrysene-d12	14.08	240	362278	20.00	ng	0.00
86) Perylene-d12	15.57	264	262576	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	646152	76.54	ng	0.00
7) Phenol-d6	6.55	99	507583	48.74	ng	0.00
23) Nitrobenzene-d5	7.48	82	979864	116.05	ng	0.00
41) 2,4,6-Tribromophenol	10.76	330	347703	164.68	ng	0.01
44) 2-Fluorobiphenyl	9.28	172	1545368	99.98	ng	0.00
78) Terphenyl-d14	13.03	244	1490193	93.55	ng	0.00

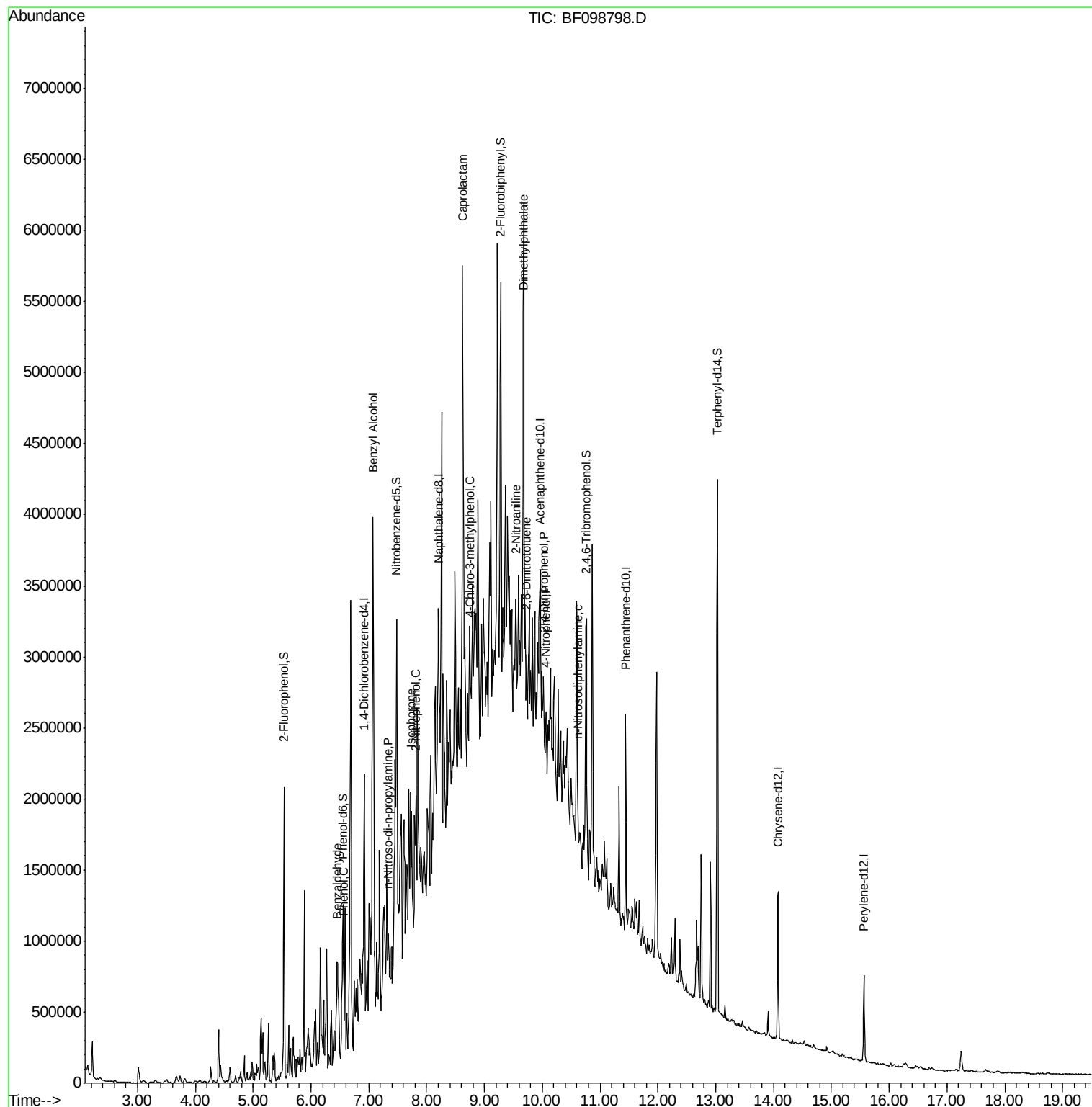
Target Compounds				Qvalue		
9) Benzaldehyde	6.46	77	13666	2.262	ng	# 25
10) Phenol	6.57	94	26276	2.256	ng	# 69
15) Benzyl Alcohol	7.07	79	24785	3.244	ng	# 52
19) n-Nitroso-di-n-propylamine	7.34	70	26836	4.036	ng	# 69
25) Isophorone	7.73	82	85701	4.909	ng	# 1
26) 2-Nitrophenol	7.82	139	10195	2.214	ng	# 1
35) Caprolactam	8.62	113	134768	56.260	ng	# 76
36) 4-Chloro-3-methylphenol	8.76	107	35641	4.246	ng	# 27
47) 2-Nitroaniline	9.54	65	13416	2.631	ng	# 46
49) Dimethylphthalate	9.67	163	67527	3.467	ng	# 67
50) 2,6-Dinitrotoluene	9.73	165	13453	3.173	ng	# 71
53) 2,4-Dinitrophenol	10.02	184	776	6.154	ng	# 1
55) 4-Nitrophenol	10.07	139	8622	2.063	ng	# 1
65) n-Nitrosodiphenylamine	10.62	169	44034	2.613	ng	# 42

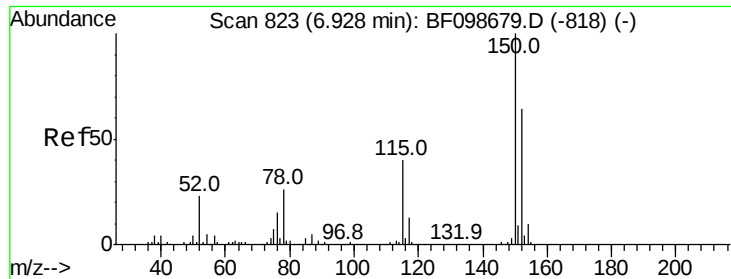
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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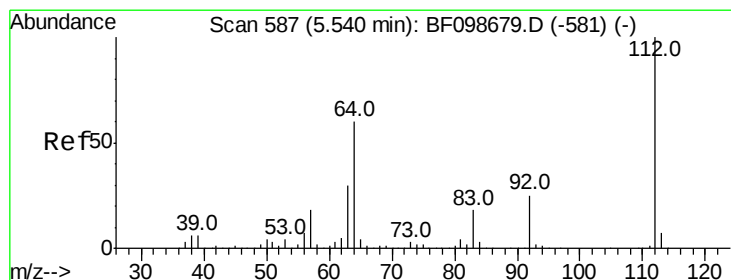
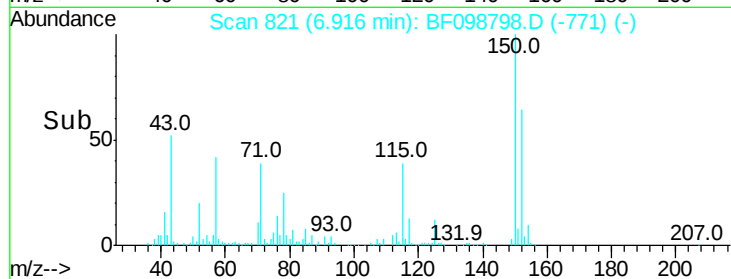
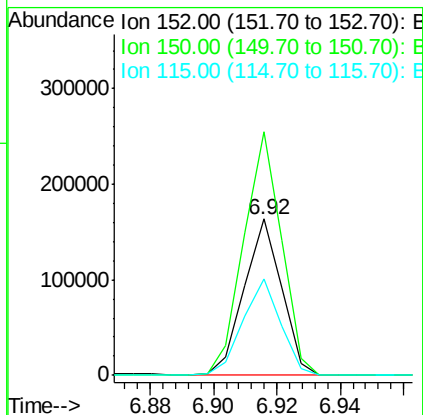
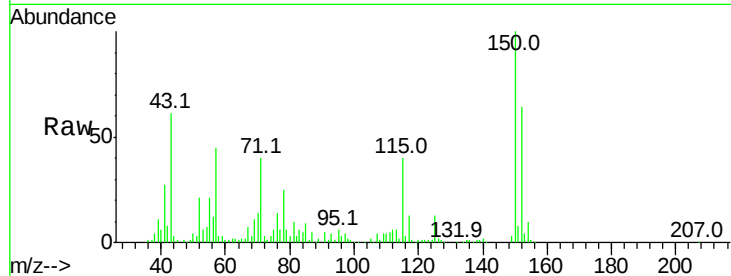


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098798.D
Acq: 25 Sep 2017 22:30

Instrument :
BNA_F
ClientSampleId :

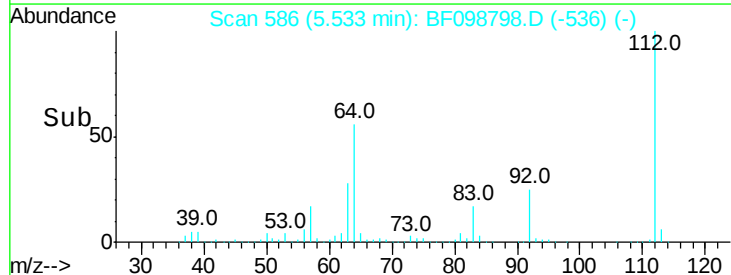
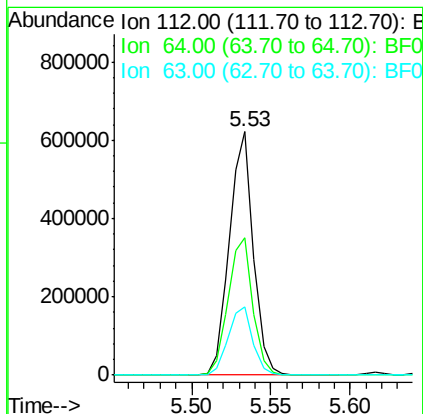
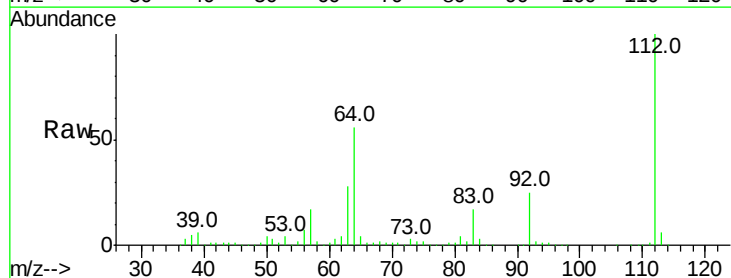
Tot Ion:152 Resp: 134381
Ion Ratio Lower Upper
152 100
150 155.8 124.6 186.8
115 61.6 50.1 75.1



#5

2-Fluorophenol
Concen: 76.544 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF098798.D
Acq: 25 Sep 2017 22:30

Tgt Ion:112 Resp: 646152
Ion Ratio Lower Upper
112 100
64 56.3 47.9 71.9
63 28.1 23.7 35.5





#7

Phenol-d6

Concen: 48.742 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.01 min

Lab File: BF098798.D

Acq: 25 Sep 2017 22:30

Instrument :

BNA_F

ClientSampled :

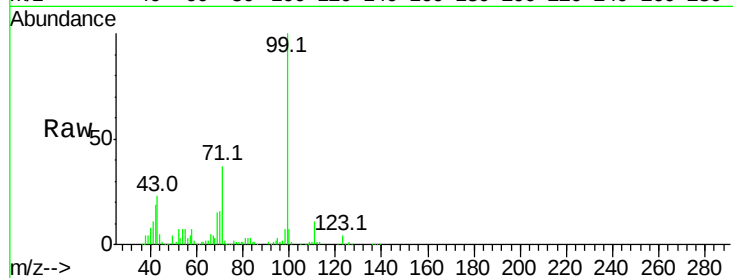
Tot Ion: 99 Resp: 507583

Ion Ratio Lower Upper

99 100

42 18.6 14.5 21.7

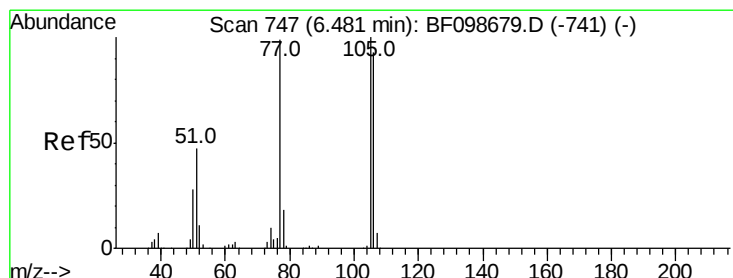
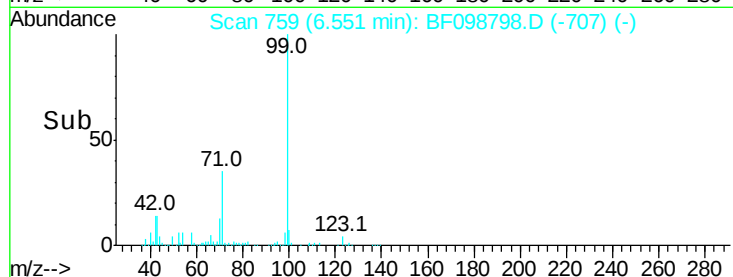
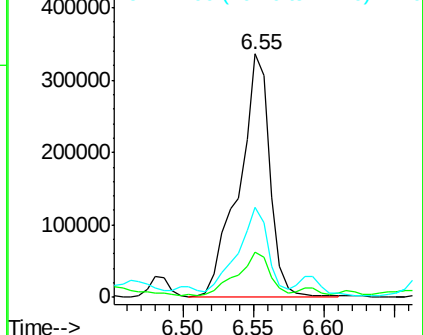
71 36.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.262 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF098798.D

Acq: 25 Sep 2017 22:30

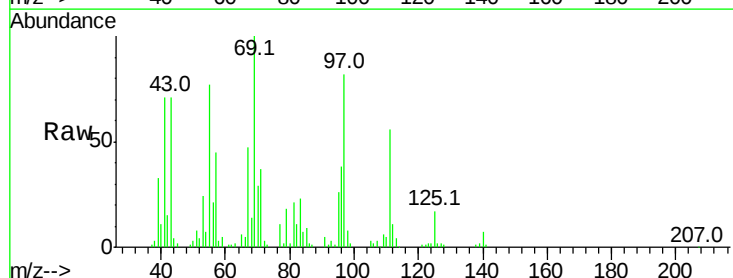
Tgt Ion: 77 Resp: 13666

Ion Ratio Lower Upper

77 100

105 27.8 81.1 121.1#

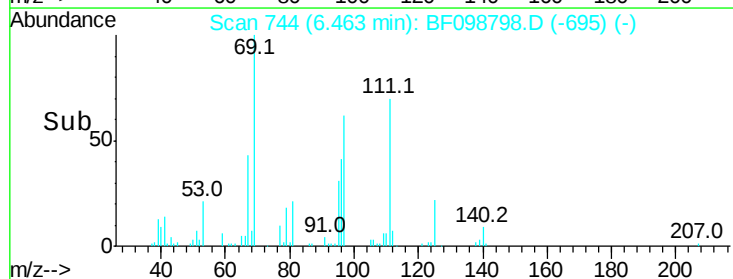
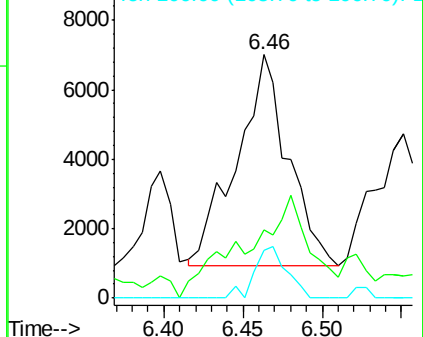
106 19.8 74.5 114.5#

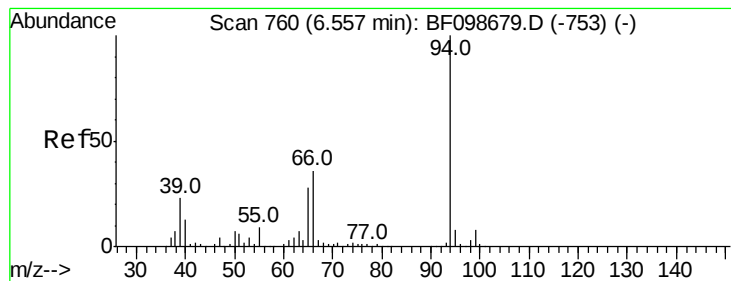


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.256 ng

RT: 6.57 min Scan# 762

Delta R.T. 0.01 min

Lab File: BF098798.D

Acq: 25 Sep 2017 22:30

Instrument :

BNA_F

ClientSampled :

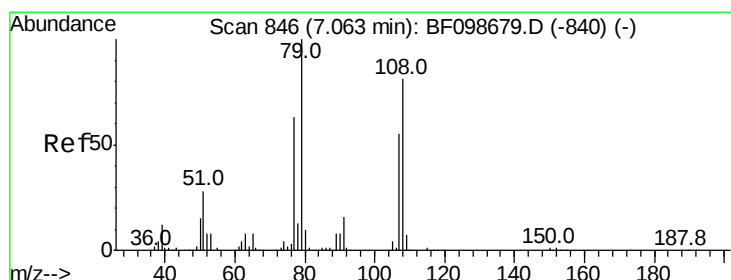
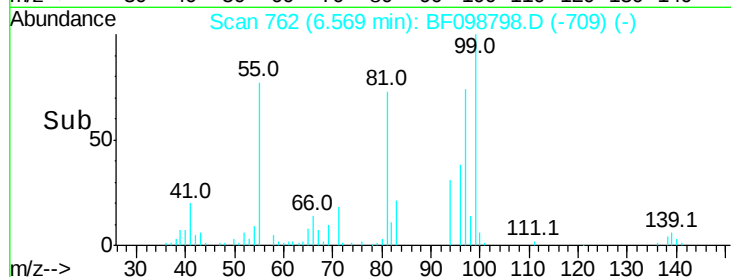
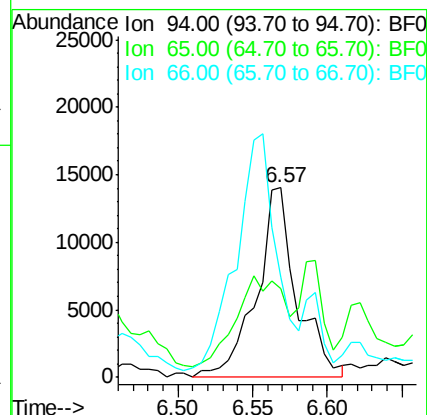
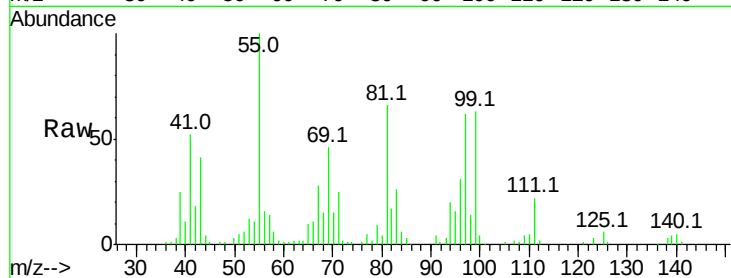
Tot Ion: 94 Resp: 26276

Ion Ratio Lower Upper

94 100

65 46.7 7.9 47.9

66 52.7 16.2 56.2



#15

Benzyl Alcohol

Concen: 3.244 ng

RT: 7.07 min Scan# 847

Delta R.T. 0.01 min

Lab File: BF098798.D

Acq: 25 Sep 2017 22:30

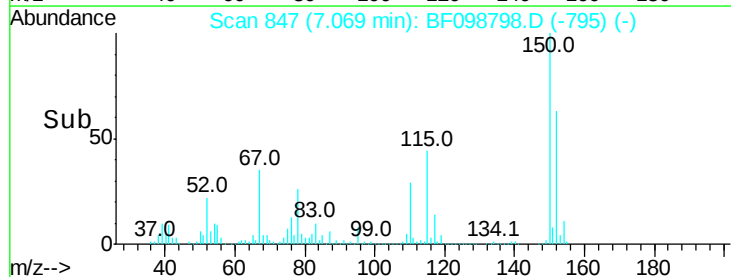
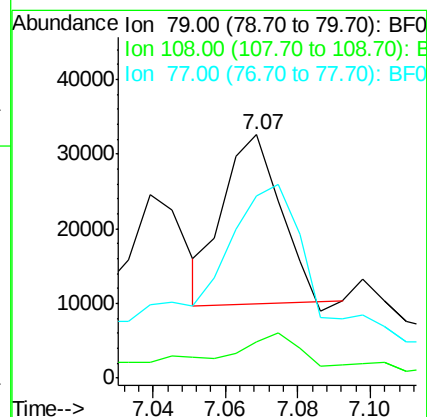
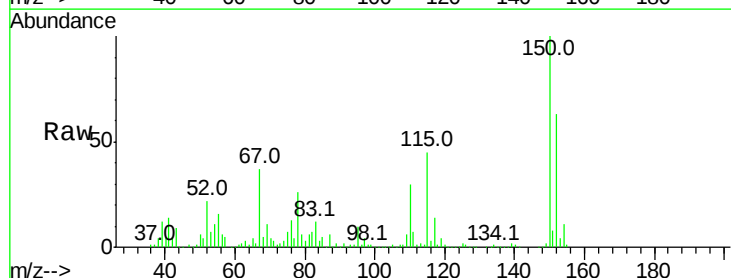
Tgt Ion: 79 Resp: 24785

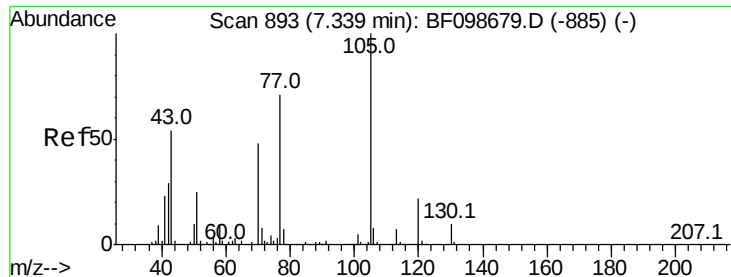
Ion Ratio Lower Upper

79 100

108 14.9 65.1 97.7#

77 74.6 50.6 75.8





#19

n-Nitroso-di-n-propylamine

Concen: 4.036 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.01 min

Lab File: BF098798.D

Acq: 25 Sep 2017 22:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 26836

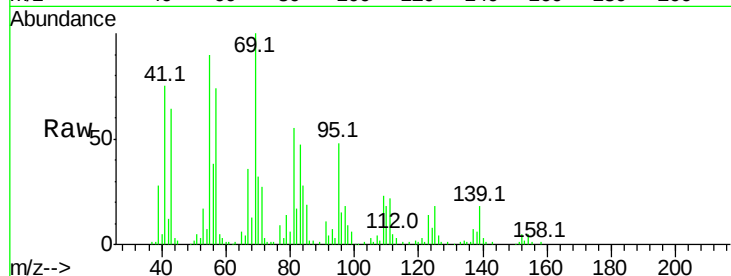
Ion Ratio Lower Upper

70 100

42 39.1 47.5 71.3#

101 1.6 7.4 11.2#

130 0.0 16.6 25.0#

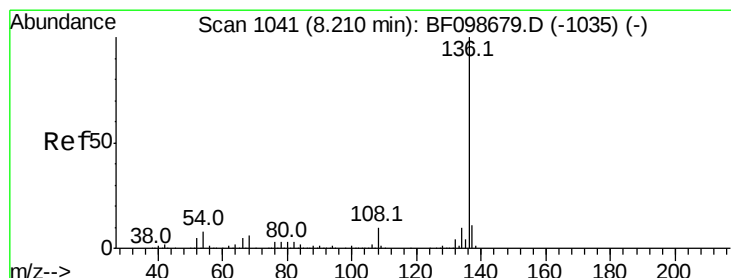
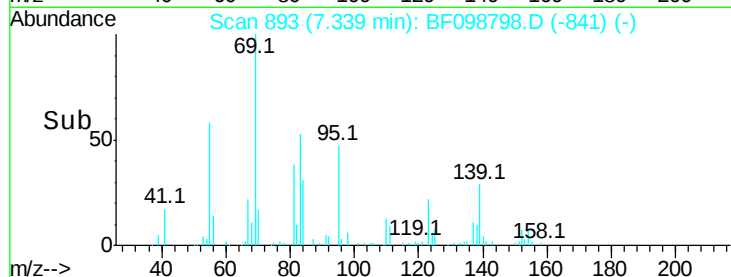
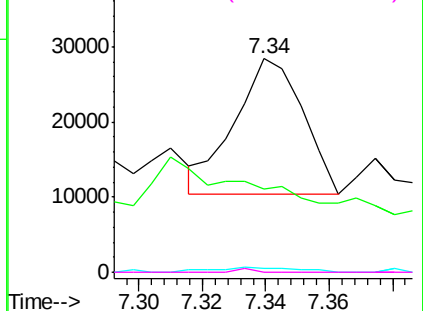


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BF098798.D

Acq: 25 Sep 2017 22:30

Tgt Ion:136 Resp: 541460

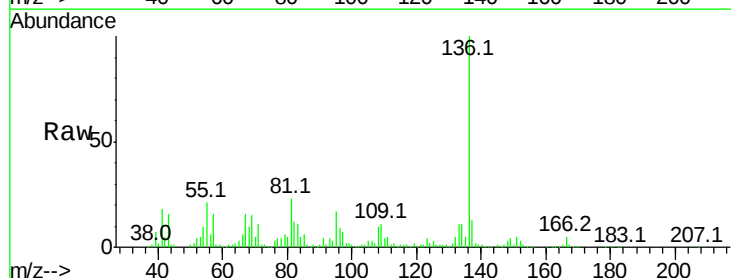
Ion Ratio Lower Upper

136 100

137 12.7 8.9 13.3

54 9.9 6.6 9.8#

68 10.1 5.0 7.4#

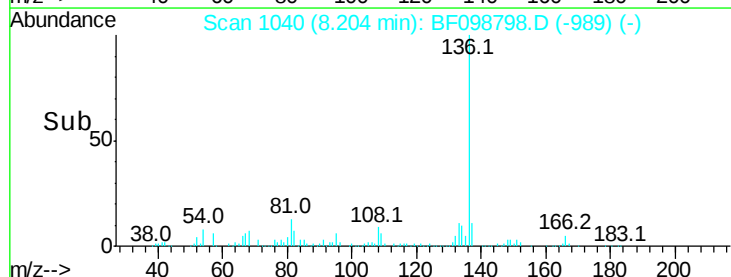
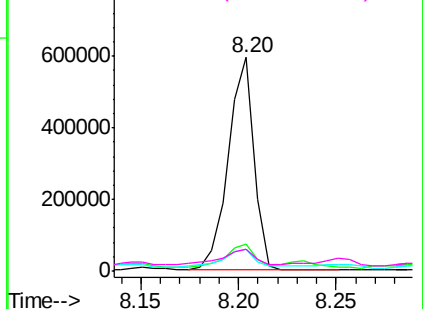


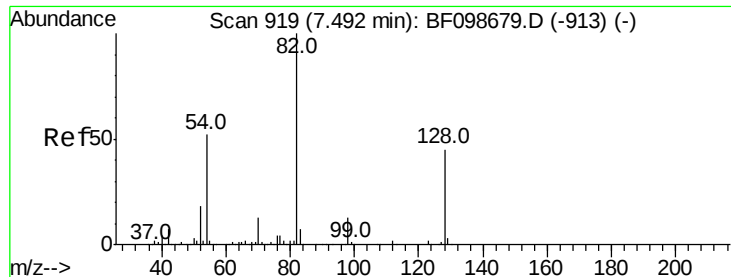
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 116.054 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF098798.D

Acq: 25 Sep 2017 22:30

Instrument :

BNA_F

ClientSampleId :

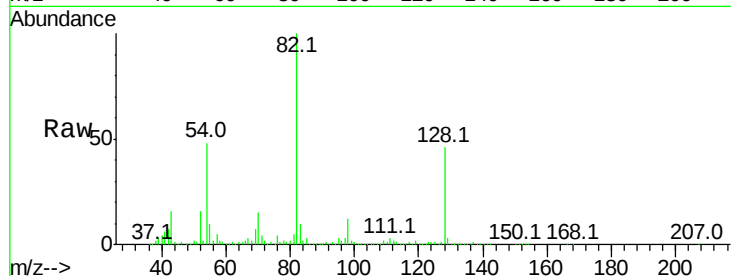
Tot Ion: 82 Resp: 979864

Ion Ratio Lower Upper

82 100

128 45.7 36.1 54.1

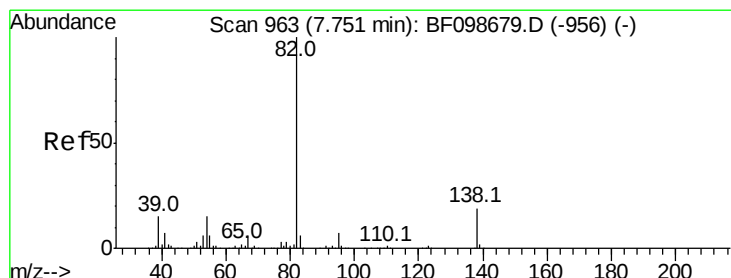
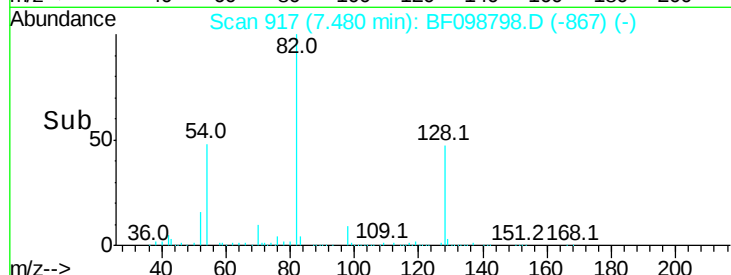
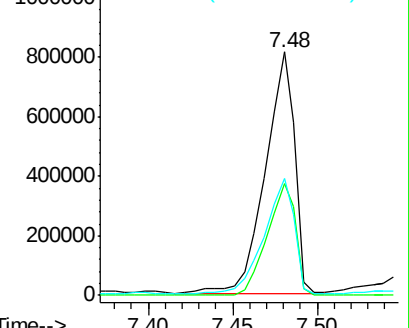
54 48.2 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 4.909 ng

RT: 7.73 min Scan# 959

Delta R.T. -0.02 min

Lab File: BF098798.D

Acq: 25 Sep 2017 22:30

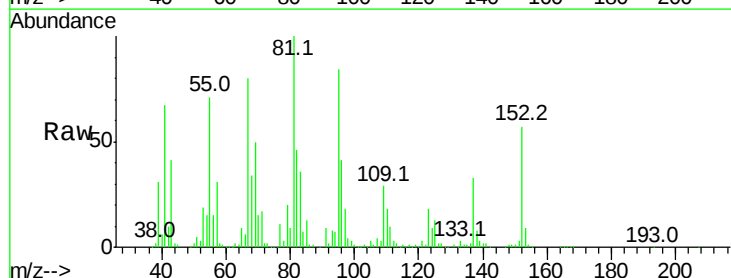
Tgt Ion: 82 Resp: 85701

Ion Ratio Lower Upper

82 100

95 184.2 5.2 7.8#

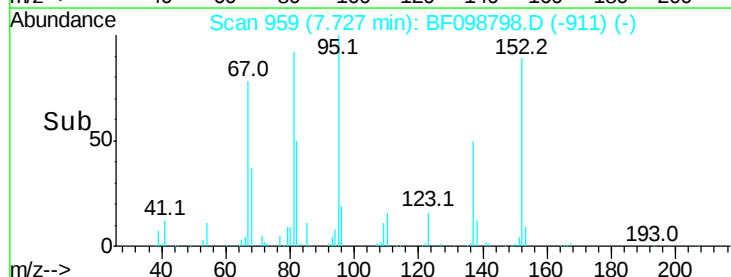
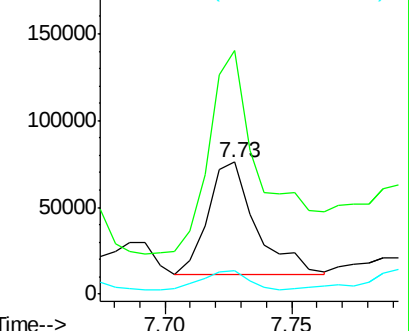
138 17.8 14.9 22.3

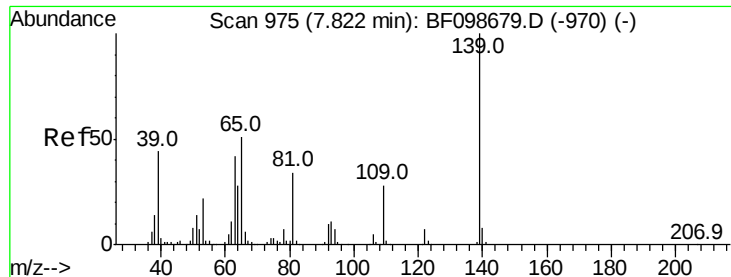


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

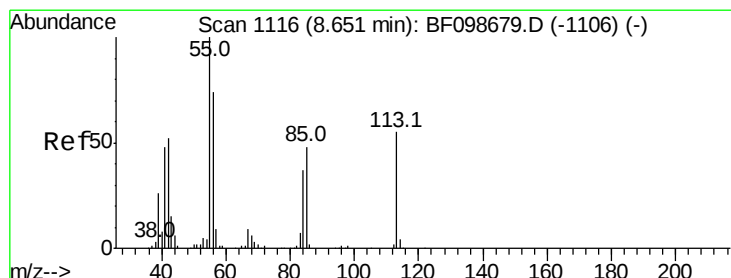
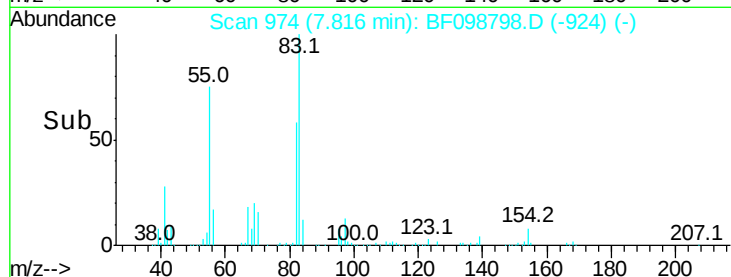
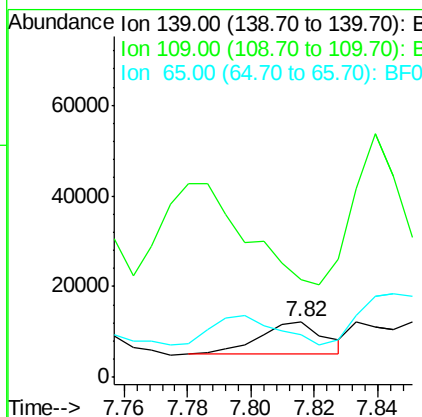
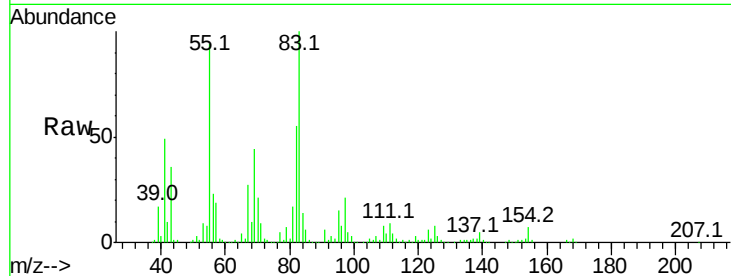




#26
2-Nitrophenol
Concen: 2.214 ng
RT: 7.82 min Scan# 974
Delta R.T. -0.01 min
Lab File: BF098798.D
Acq: 25 Sep 2017 22:30

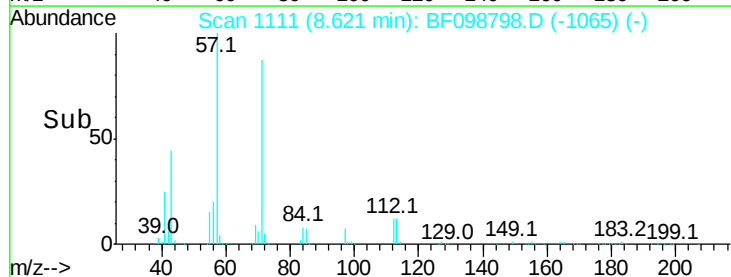
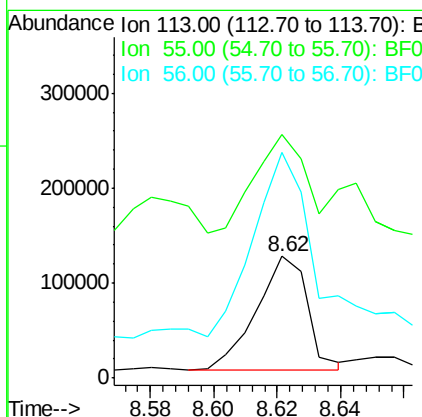
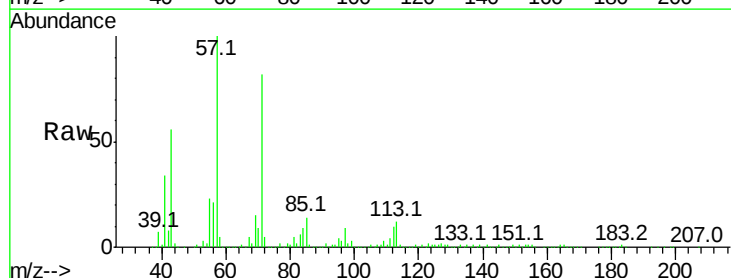
Instrument :
BNA_F
ClientSampleId :

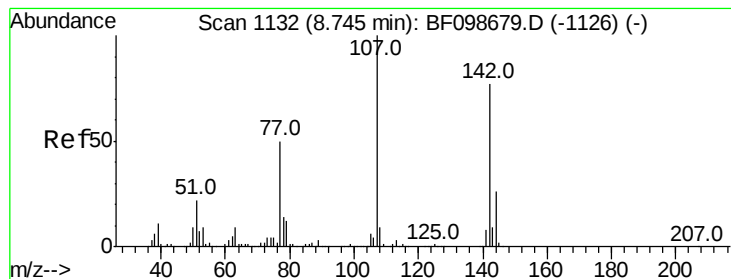
Tot Ion:139 Resp: 10195
Ion Ratio Lower Upper
139 100
109 177.3 22.7 34.1#
65 75.8 40.5 60.7#



#35
Caprolactam
Concen: 56.260 ng
RT: 8.62 min Scan# 1111
Delta R.T. -0.03 min
Lab File: BF098798.D
Acq: 25 Sep 2017 22:30

Tgt Ion:113 Resp: 134768
Ion Ratio Lower Upper
113 100
55 200.2 163.3 203.3
56 185.4 115.7 155.7#





#36

4-Chloro-3-methylphenol

Concen: 4.246 ng

RT: 8.76 min Scan# 1134

Delta R.T. 0.01 min

Lab File: BF098798.D

Acq: 25 Sep 2017 22:30

Instrument :

BNA_F

ClientSampled :

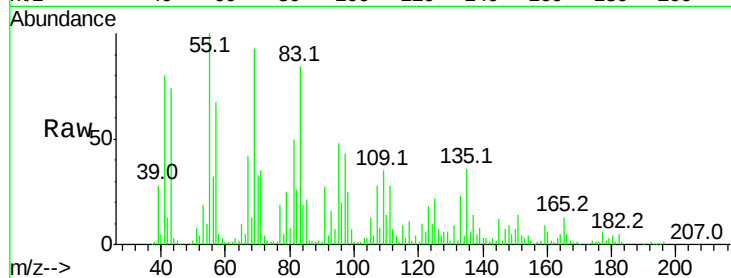
Tot Ion:107 Resp: 35641

Ion Ratio Lower Upper

107 100

144 6.1 20.5 30.7#

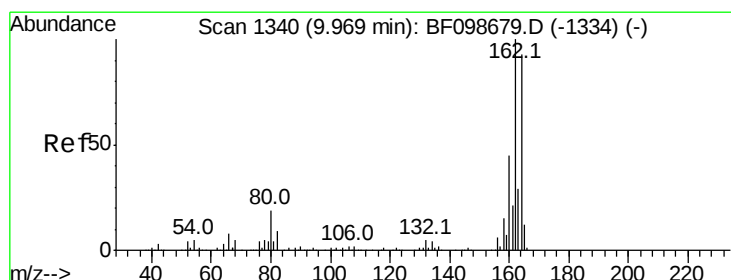
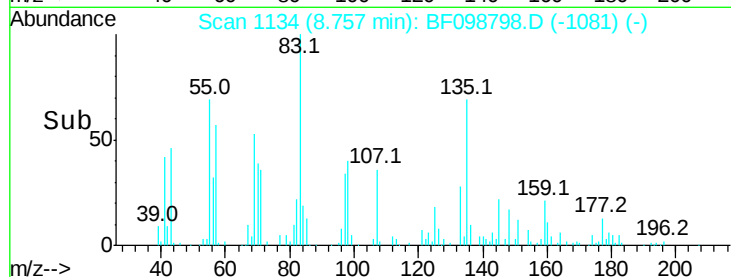
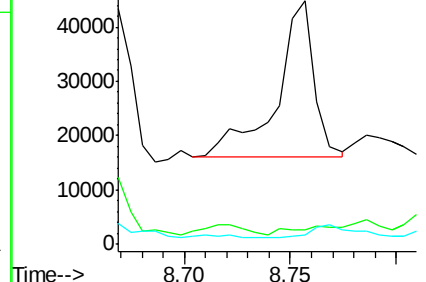
142 3.9 62.0 93.0#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BF098798.D

Acq: 25 Sep 2017 22:30

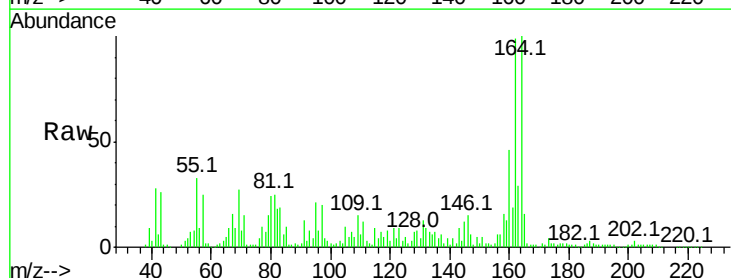
Tgt Ion:164 Resp: 258035

Ion Ratio Lower Upper

164 100

162 99.0 86.1 129.1

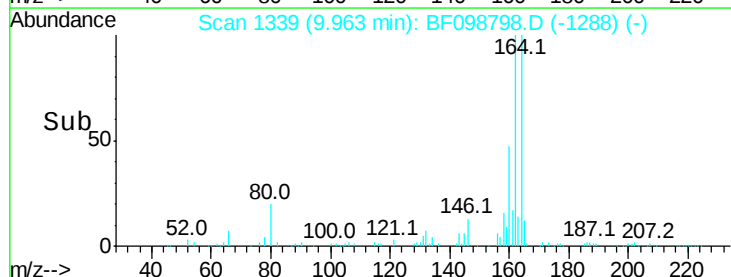
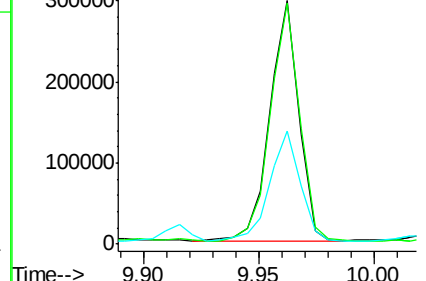
160 46.4 38.3 57.5

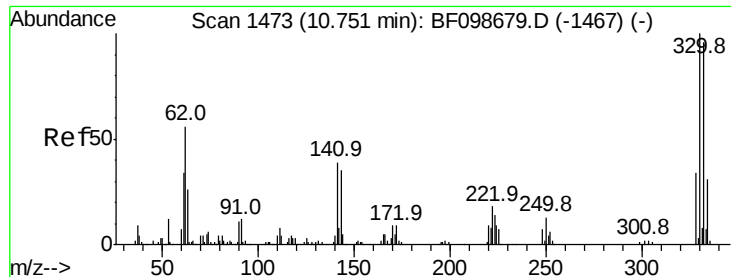


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

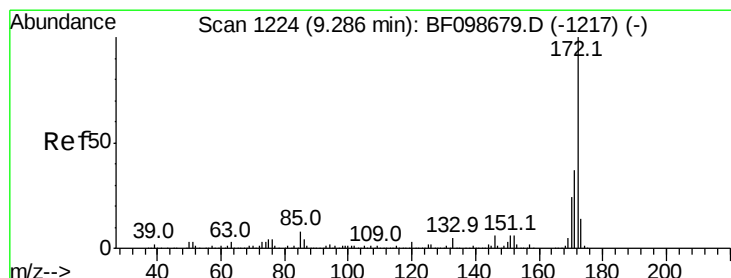
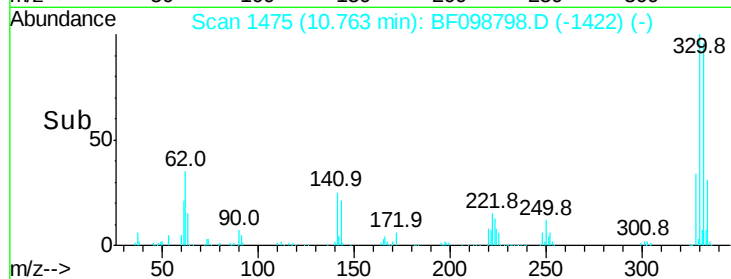
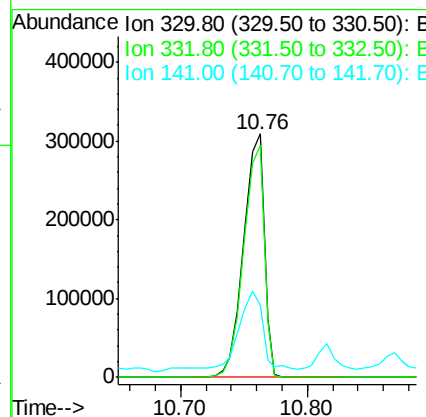
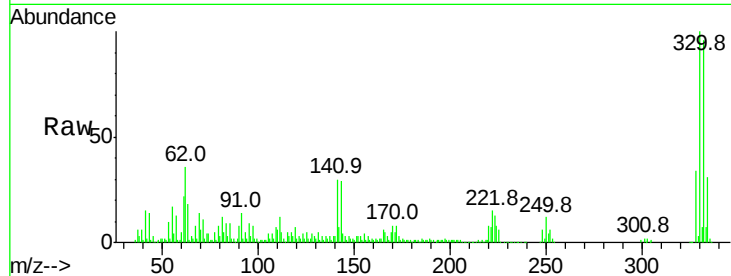




#41
 2,4,6-Tribromophenol
 Concen: 164.677 ng
 RT: 10.76 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: BF098798.D
 Acq: 25 Sep 2017 22:30

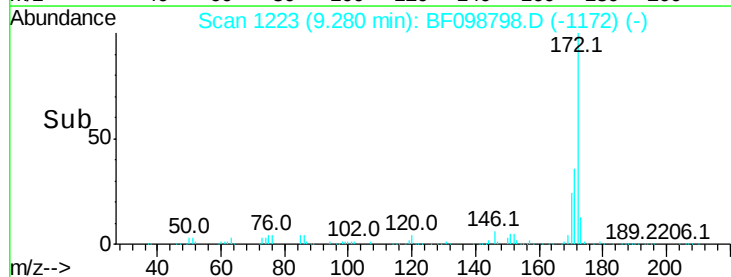
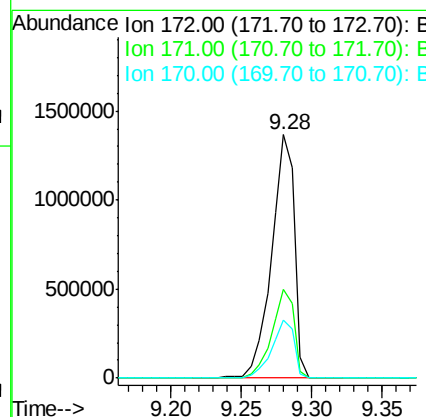
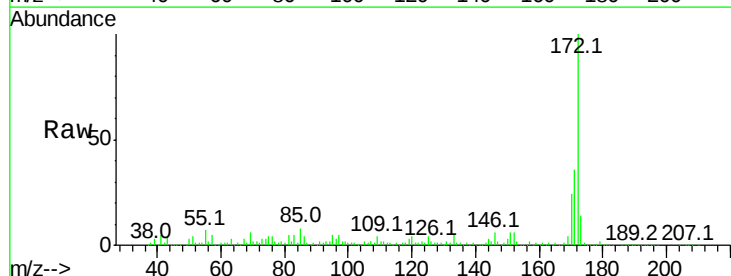
Instrument :
 BNA_F
 ClientSampleId :

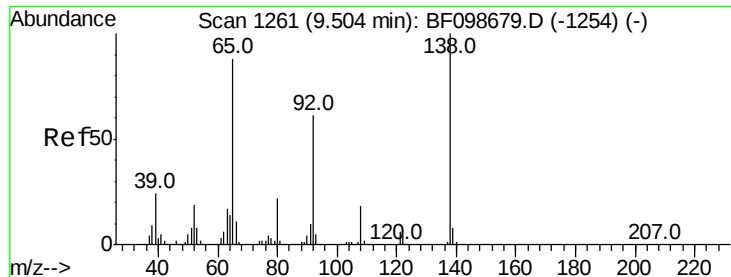
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	36.4	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 99.981 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.00 min
 Lab File: BF098798.D
 Acq: 25 Sep 2017 22:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	23.9	19.6	29.4





#47

2-Nitroaniline

Concen: 2.631 ng

RT: 9.54 min Scan# 1268

Delta R.T. 0.05 min

Lab File: BF098798.D

Acq: 25 Sep 2017 22:30

Instrument :

BNA_F

ClientSampled :

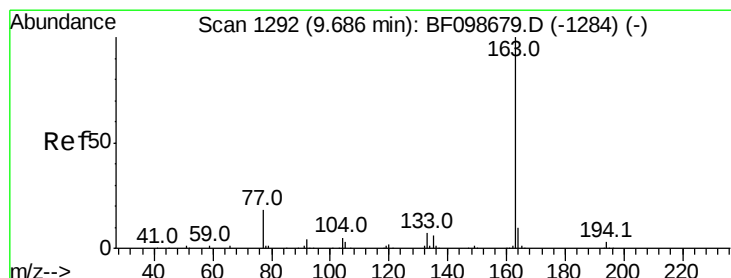
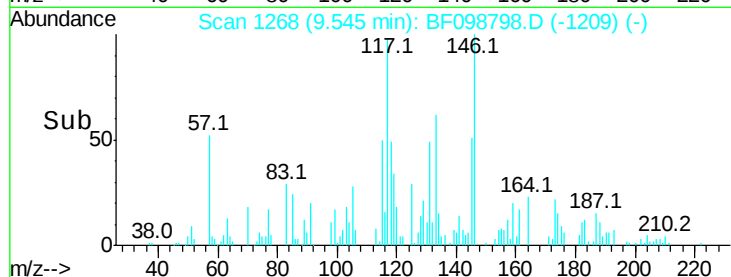
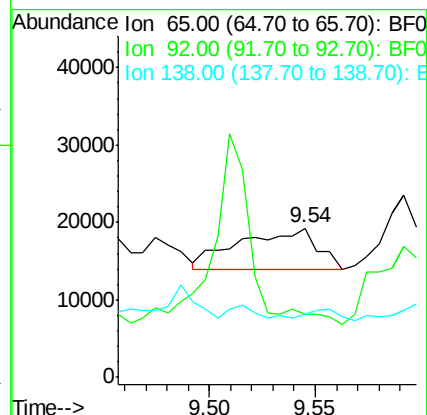
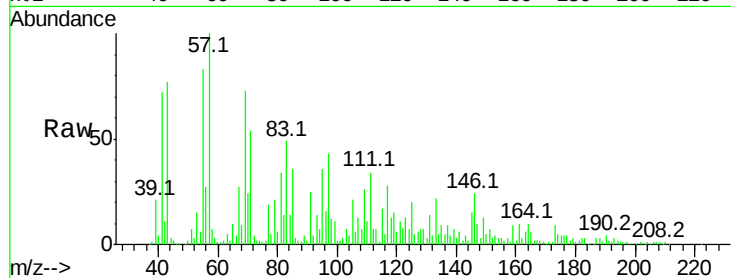
Tot Ion: 65 Resp: 13416

Ion Ratio Lower Upper

65 100

92 42.2 55.8 83.6#

138 41.9 91.2 136.8#



#49

Dimethylphthalate

Concen: 3.467 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BF098798.D

Acq: 25 Sep 2017 22:30

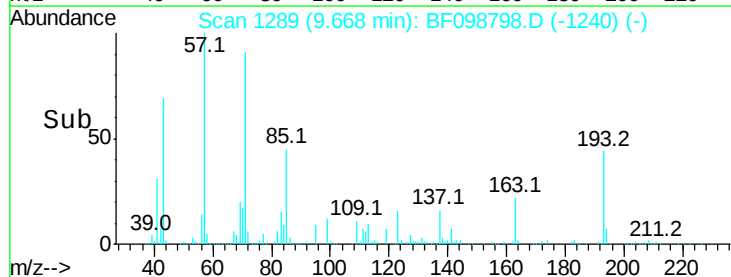
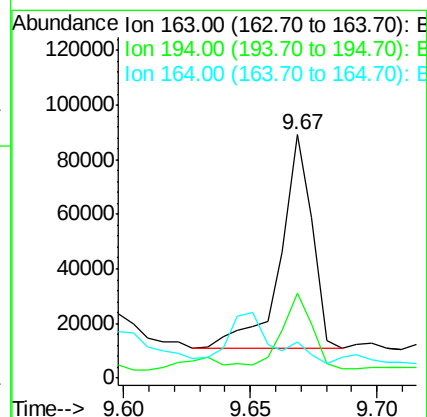
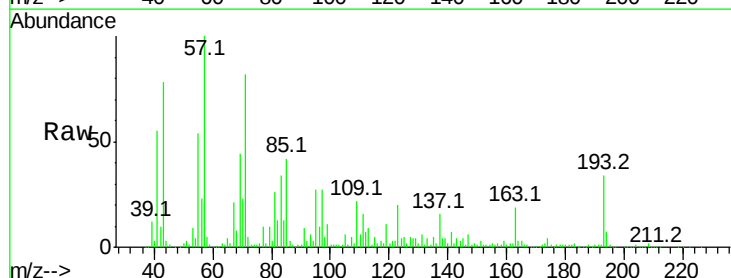
Tgt Ion: 163 Resp: 67527

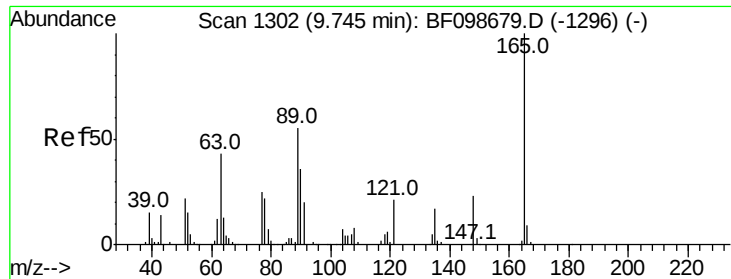
Ion Ratio Lower Upper

163 100

194 35.0 2.7 4.1#

164 14.8 8.2 12.2#

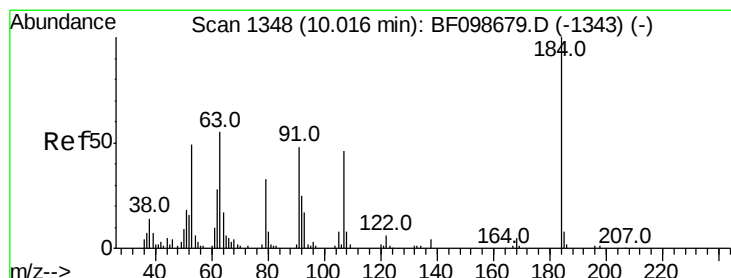
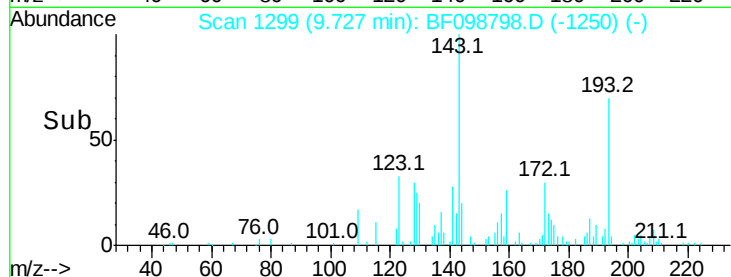
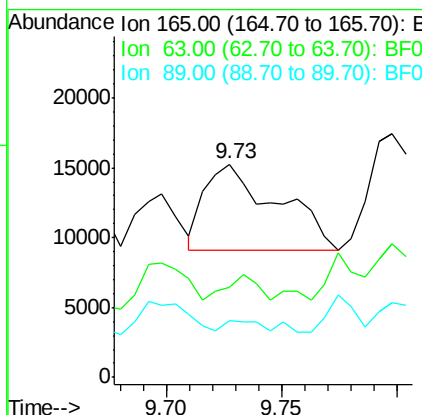
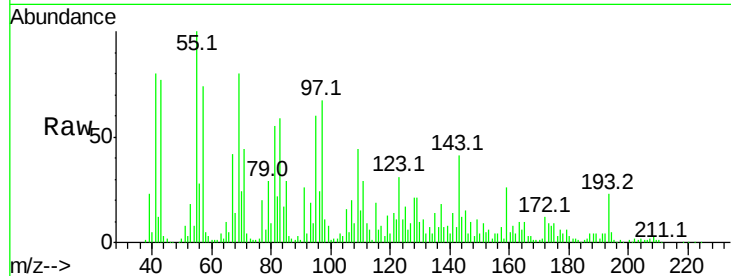




#50
 2,6-Dinitrotoluene
 Concen: 3.173 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF098798.D
 Acq: 25 Sep 2017 22:30

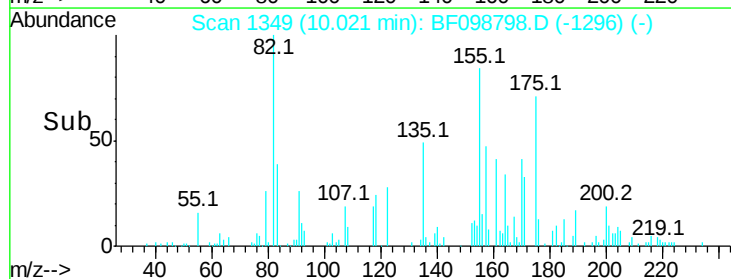
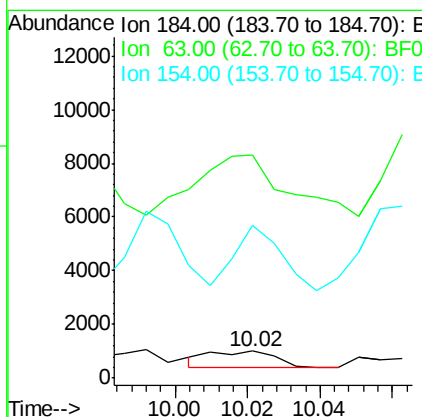
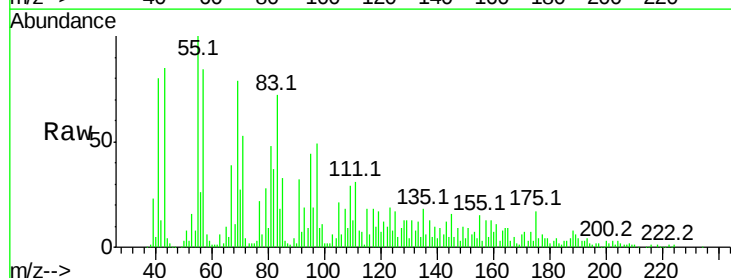
Instrument :
 BNA_F
 ClientSampled :

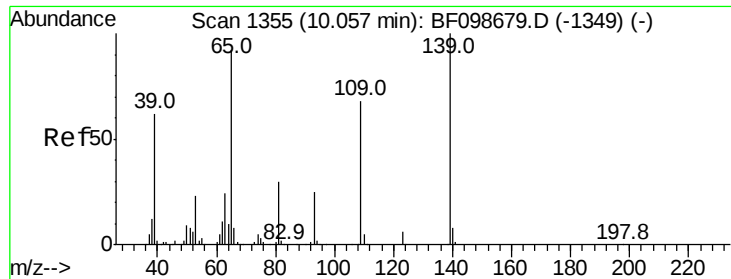
Tot Ion:165 Resp: 13453
 Ion Ratio Lower Upper
 165 100
 63 42.5 44.7 67.1#
 89 26.9 44.0 66.0#



#53
 2,4-Dinitrophenol
 Concen: 6.154 ng
 RT: 10.02 min Scan# 1349
 Delta R.T. 0.01 min
 Lab File: BF098798.D
 Acq: 25 Sep 2017 22:30

Tgt Ion:184 Resp: 776
 Ion Ratio Lower Upper
 184 100
 63 820.0 54.2 81.2#
 154 560.8 53.5 80.3#

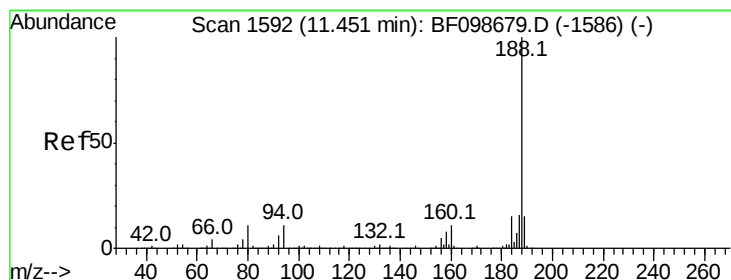
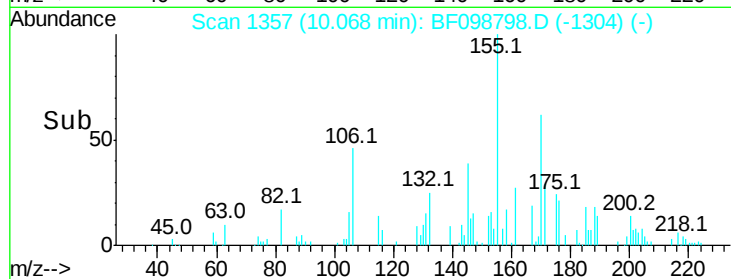
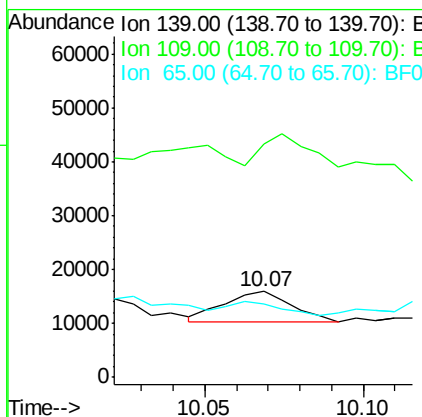
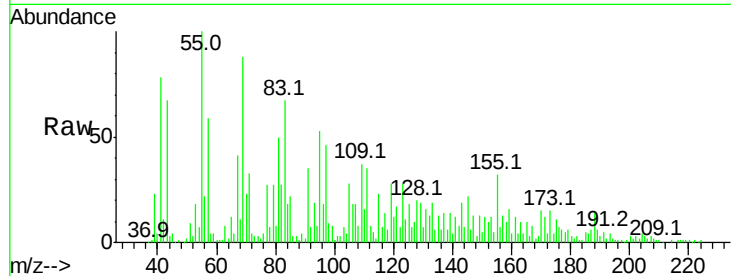




#55
4-Nitrophenol
Concen: 2.063 ng
RT: 10.07 min Scan# 1357
Delta R.T. 0.01 min
Lab File: BF098798.D
Acq: 25 Sep 2017 22:30

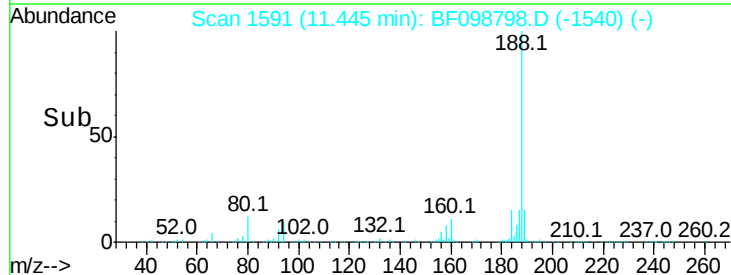
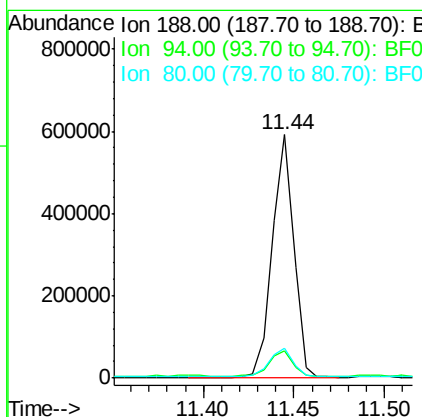
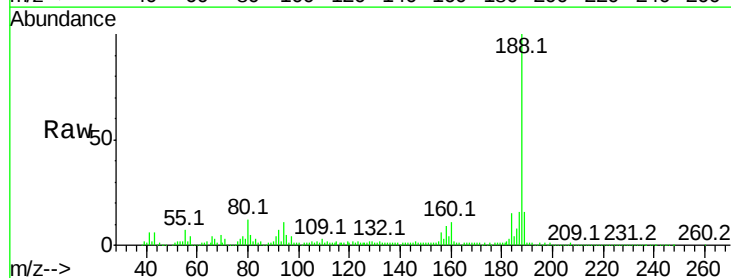
Instrument :
BNA_F
ClientSampleId :

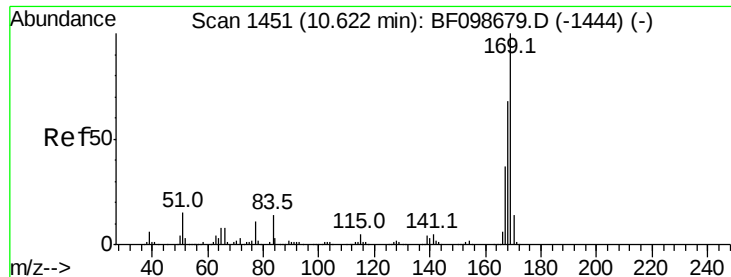
Tot Ion:139 Resp: 8622
Ion Ratio Lower Upper
139 100
109 272.3 48.4 88.4#
65 85.6 72.6 112.6



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1591
Delta R.T. -0.00 min
Lab File: BF098798.D
Acq: 25 Sep 2017 22:30

Tgt Ion:188 Resp: 486458
Ion Ratio Lower Upper
188 100
94 11.3 8.5 12.7
80 12.4 9.2 13.8

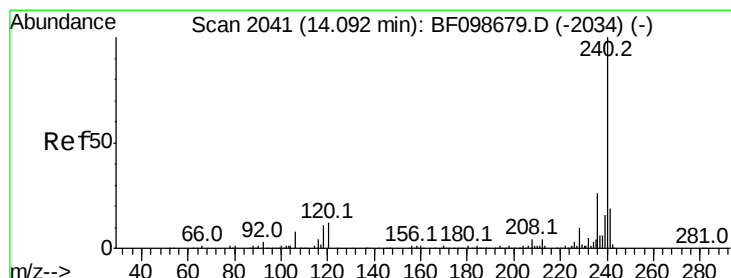
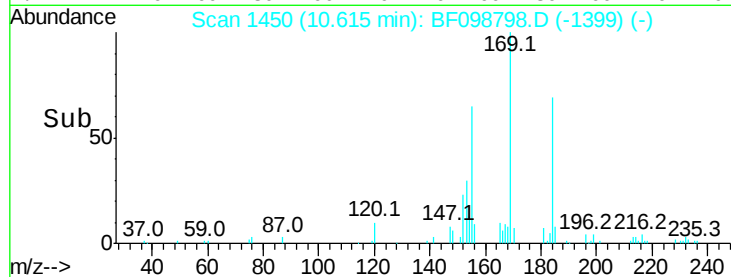
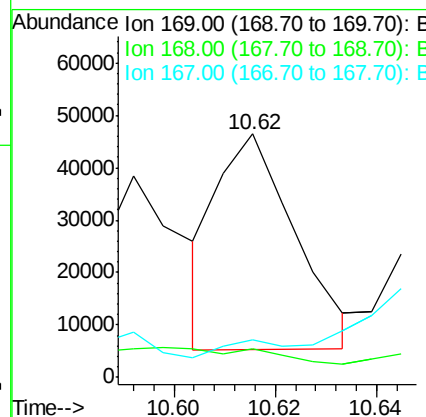
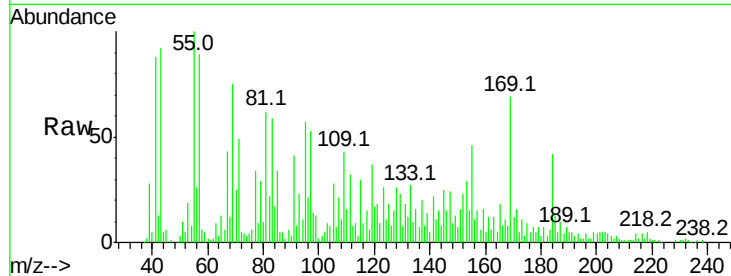




#65
n-Nitrosodiphenylamine
Concen: 2.613 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BF098798.D
Acq: 25 Sep 2017 22:30

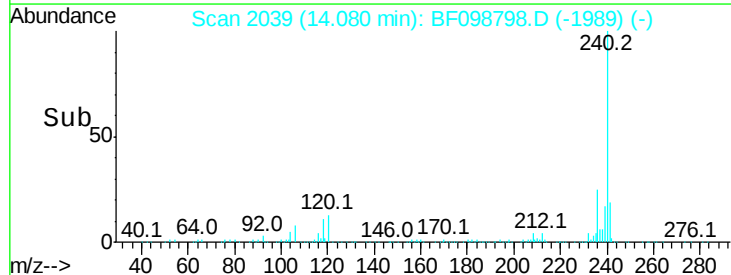
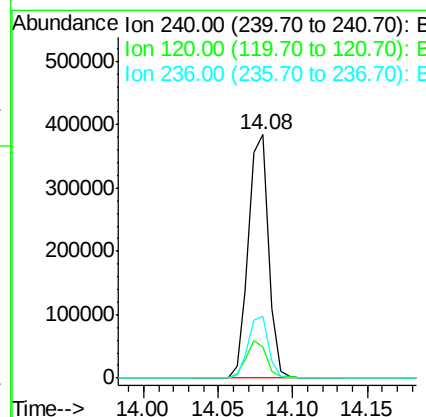
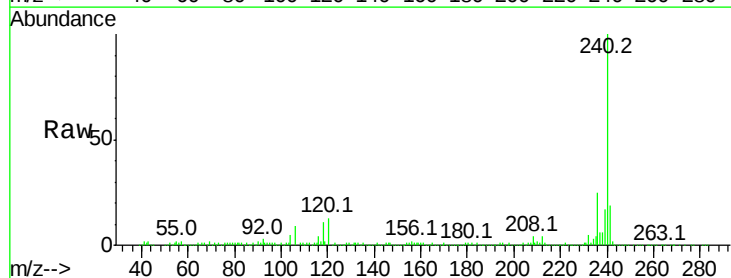
Instrument :
BNA_F
ClientSampleId :

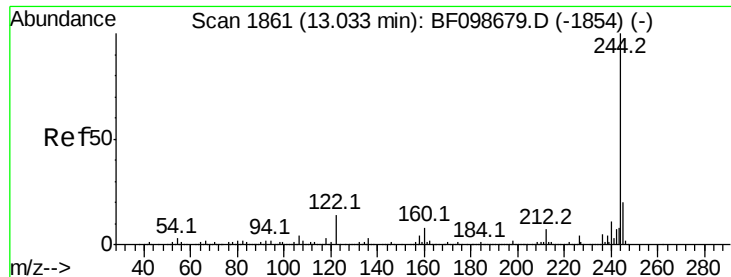
Tot Ion:169 Resp: 44034
Ion Ratio Lower Upper
169 100
168 12.0 54.4 81.6#
167 15.3 29.8 44.6#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF098798.D
Acq: 25 Sep 2017 22:30

Tgt Ion:240 Resp: 362278
Ion Ratio Lower Upper
240 100
120 12.9 9.5 14.3
236 25.4 20.7 31.1





#78

Terphenyl-d14

Concen: 93.547 ng

RT: 13.03 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BF098798.D

Acq: 25 Sep 2017 22:30

Instrument :

BNA_F

ClientSampleId :

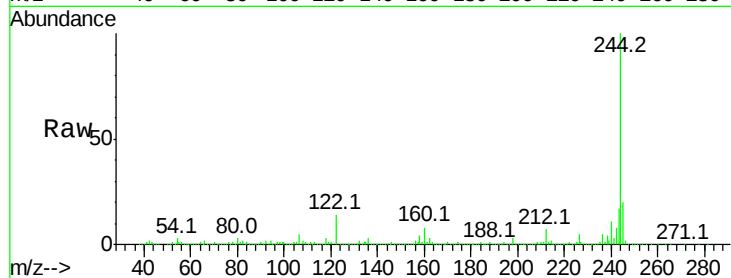
Tot Ion:244 Resp: 1490193

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

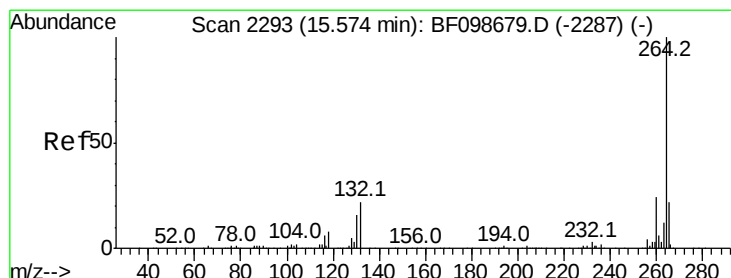
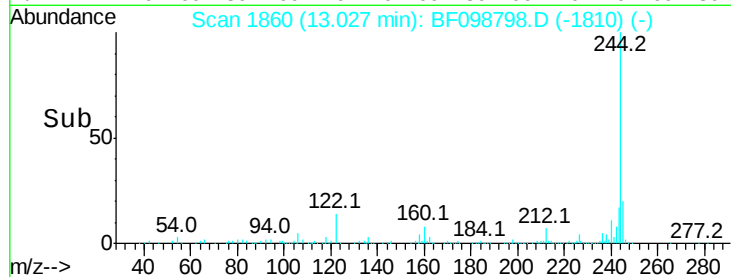
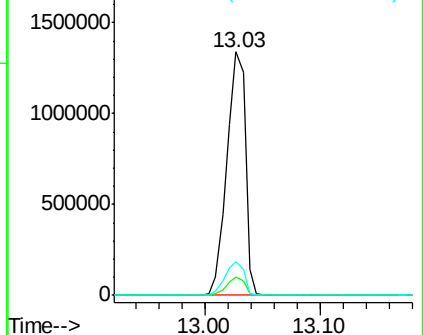
122 13.8 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2292

Delta R.T. -0.01 min

Lab File: BF098798.D

Acq: 25 Sep 2017 22:30

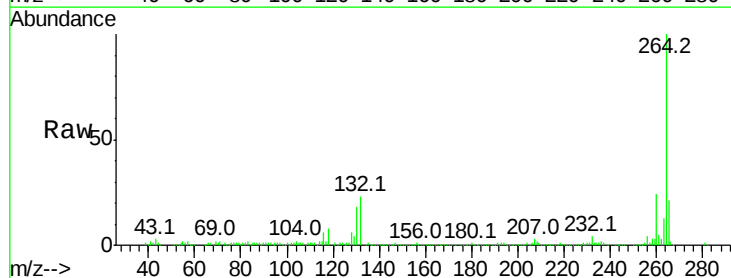
Tgt Ion:264 Resp: 262576

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 20.6 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

