

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
 Data File : BF098726.D
 Acq On : 23 Sep 2017 5:17
 Operator : SJ/JU
 Sample : I5304-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 23 06:41:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 22 10:38:37 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	159846	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	647217	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	263132	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	382103	20.00	ng	0.00
75) Chrysene-d12	14.09	240	335008	20.00	ng	0.00
86) Perylene-d12	15.58	264	276270	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	1110910	105.54	ng	0.01
7) Phenol-d6	6.55	99	1319922	103.55	ng	0.00
23) Nitrobenzene-d5	7.49	82	792536	83.06	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	237842	98.84	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	1300566	78.65	ng	0.00
78) Terphenyl-d14	13.03	244	896946	57.49	ng	0.00

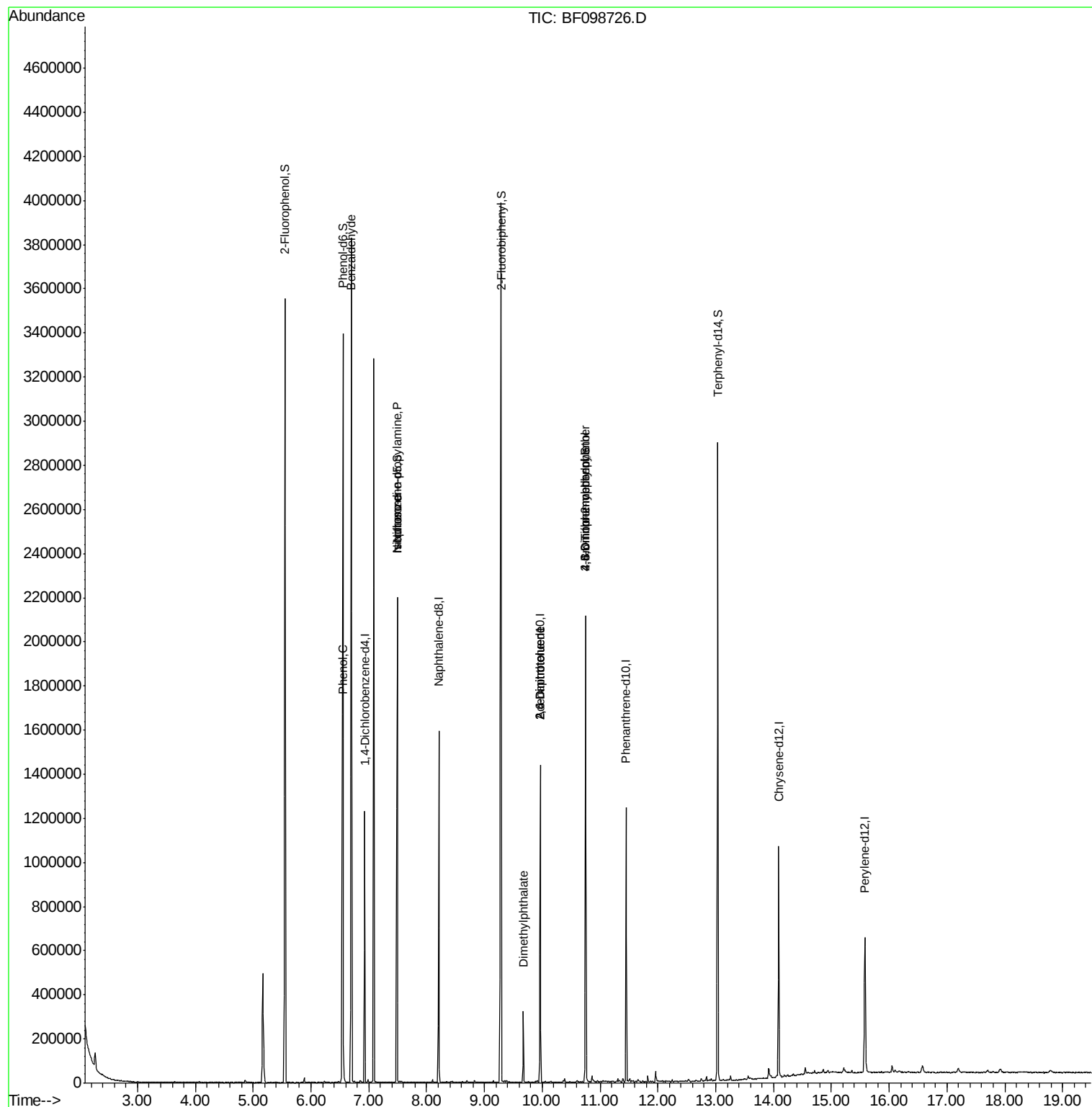
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.70	77	23154	3.24	ng	83
10) Phenol	6.56	94	35798	2.54	ng	93
19) n-Nitroso-di-n-propylamine	7.49	70	103349	13.09	ng	# 76
25) Isophorone	7.49	82	791609	38.04	ng	# 64
49) Dimethylphthalate	9.67	163	125873	6.38	ng	98
50) 2,6-Dinitrotoluene	9.96	165	33865	8.70	ng	# 25
56) 2,4-Dinitrotoluene	9.96	165	33865	6.47	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.75	198	483	9.16	ng	# 1
66) 4-Bromophenyl-phenylether	10.75	248	14408	3.73	ng	# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 823

Delta R.T. -0.00 min

Lab File: BF098726.D

Acq: 23 Sep 2017 5:17

Instrument :

BNA_F

ClientSampled :

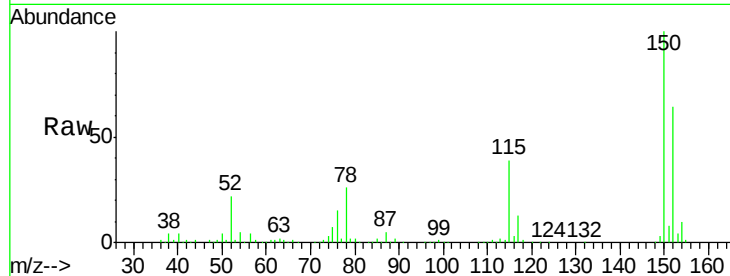
Tot Ion:152 Resp: 159846

Ion Ratio Lower Upper

152 100

150 156.5 124.6 186.8

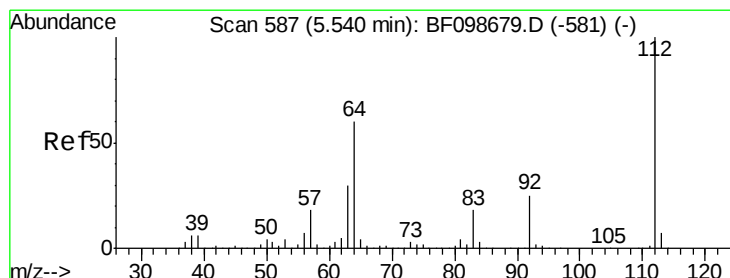
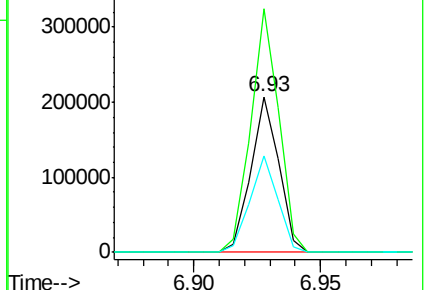
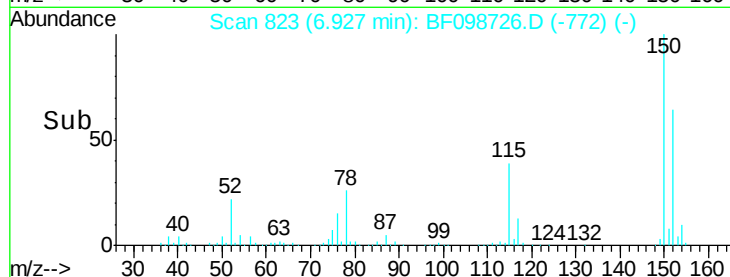
115 61.7 50.1 75.1



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



#5

2-Fluorophenol

Concen: 105.54 ng

RT: 5.55 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF098726.D

Acq: 23 Sep 2017 5:17

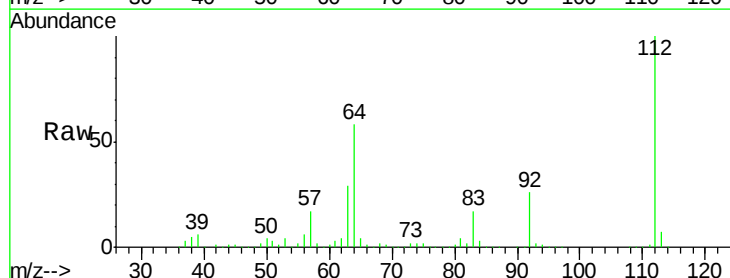
Tgt Ion:112 Resp: 1110910

Ion Ratio Lower Upper

112 100

64 58.5 47.9 71.9

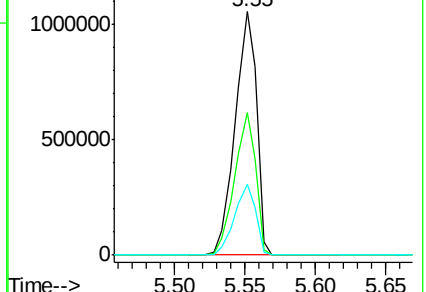
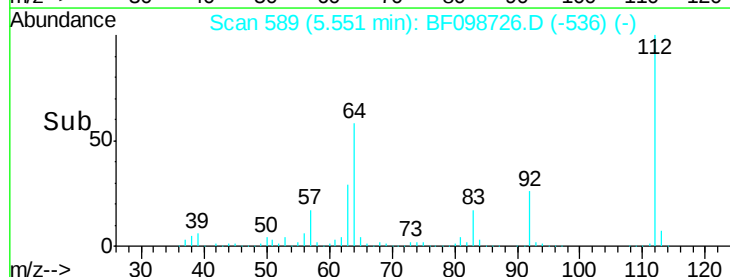
63 29.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 103.55 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.01 min

Lab File: BF098726.D

Acq: 23 Sep 2017 5:17

Instrument :

BNA_F

ClientSampleId :

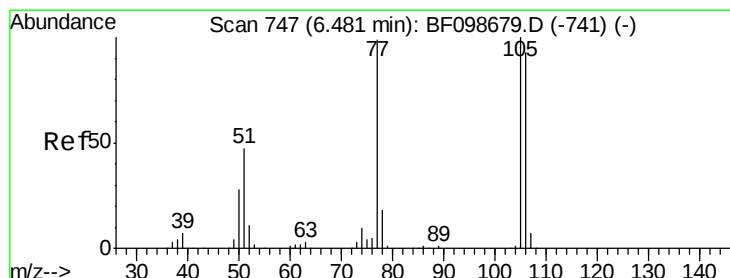
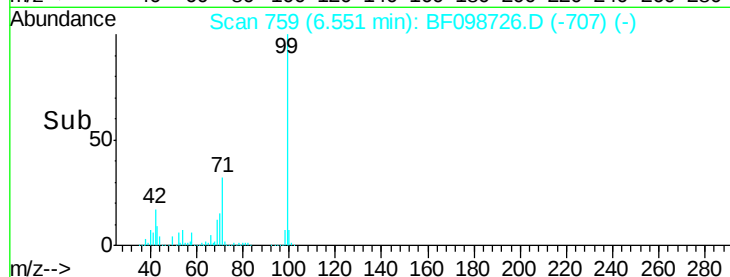
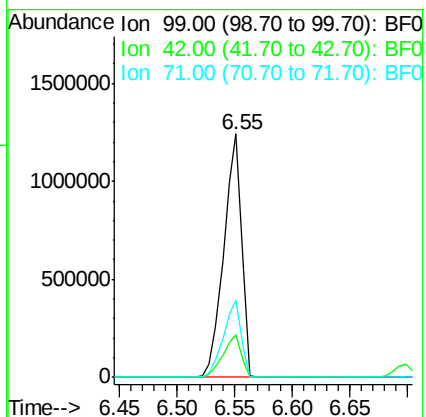
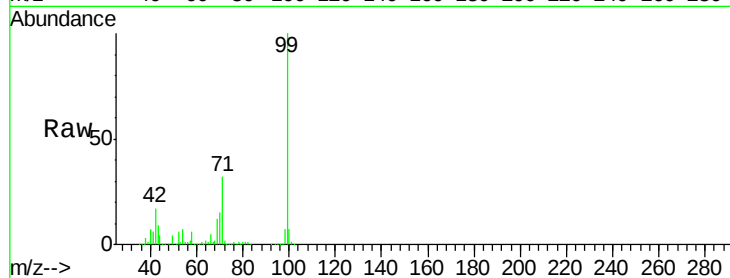
Tot Ion: 99 Resp: 1319922

Ion Ratio Lower Upper

99 100

42 17.3 14.5 21.7

71 31.9 25.4 38.0



#9

Benzaldehyde

Concen: 3.24 ng

RT: 6.70 min Scan# 784

Delta R.T. 0.22 min

Lab File: BF098726.D

Acq: 23 Sep 2017 5:17

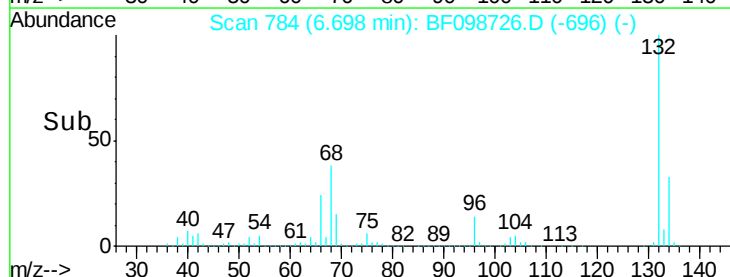
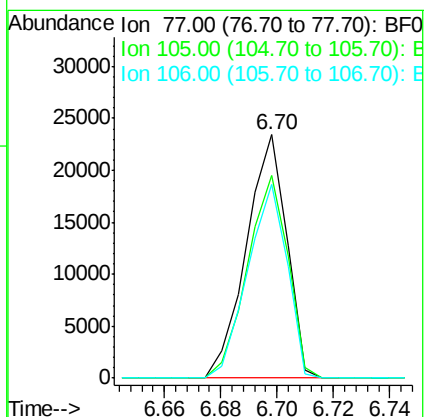
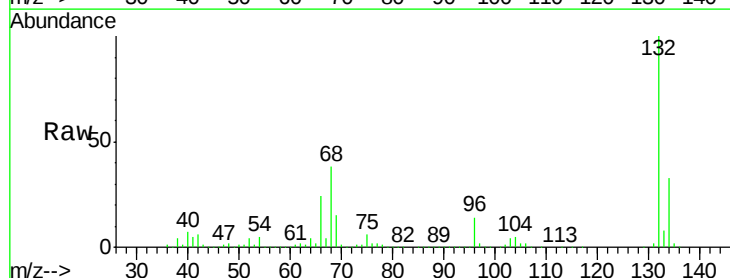
Tgt Ion: 77 Resp: 23154

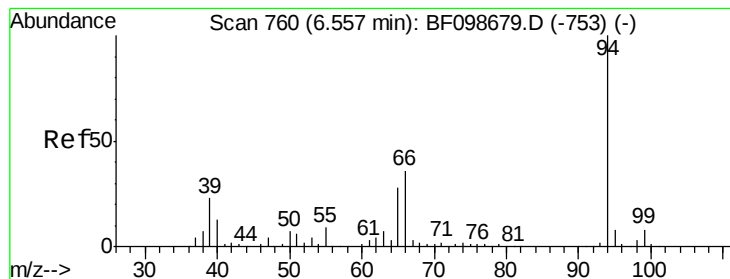
Ion Ratio Lower Upper

77 100

105 83.0 81.1 121.1

106 79.5 74.5 114.5





#10

Phenol

Concen: 2.54 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.01 min

Lab File: BF098726.D

Acq: 23 Sep 2017 5:17

Instrument :

BNA_F

ClientSampleId :

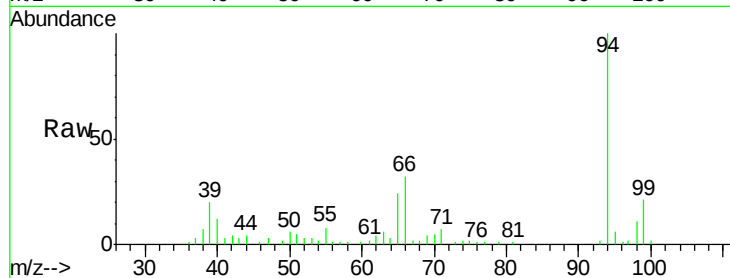
Tot Ion: 94 Resp: 35798

Ion Ratio Lower Upper

94 100

65 24.4 7.9 47.9

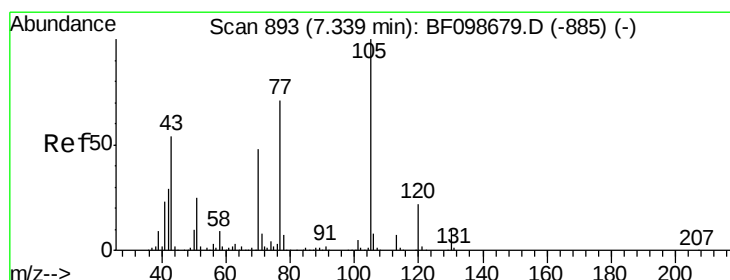
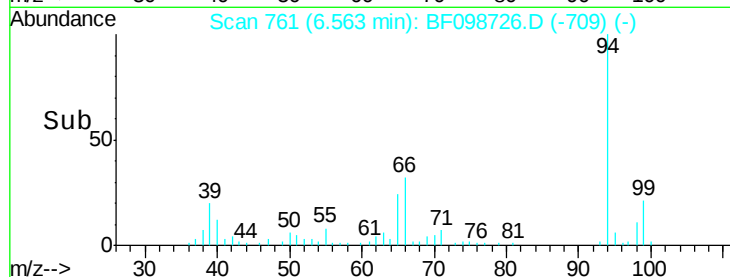
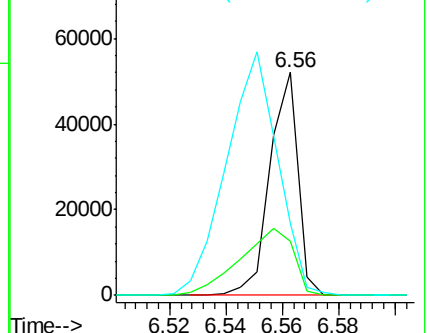
66 32.2 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 13.09 ng

RT: 7.49 min Scan# 919

Delta R.T. 0.15 min

Lab File: BF098726.D

Acq: 23 Sep 2017 5:17

Tgt Ion: 70 Resp: 103349

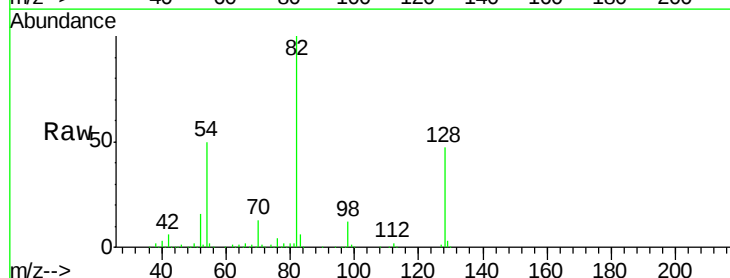
Ion Ratio Lower Upper

70 100

42 45.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

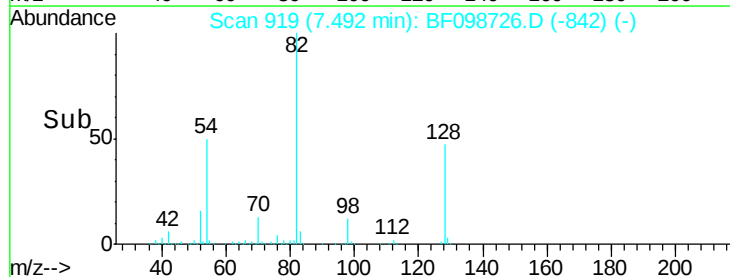
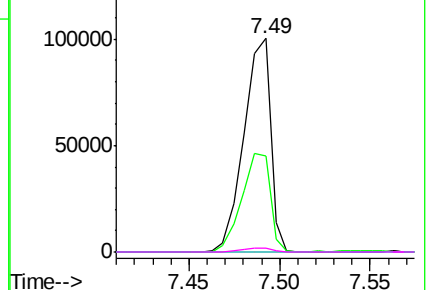


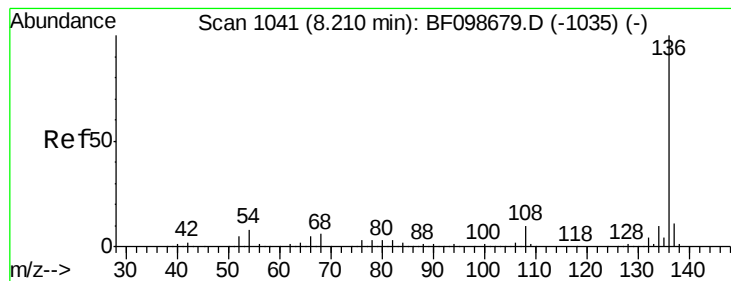
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.00 ng

RT: 8.21 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF098726.D

Acq: 23 Sep 2017 5:17

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 647217

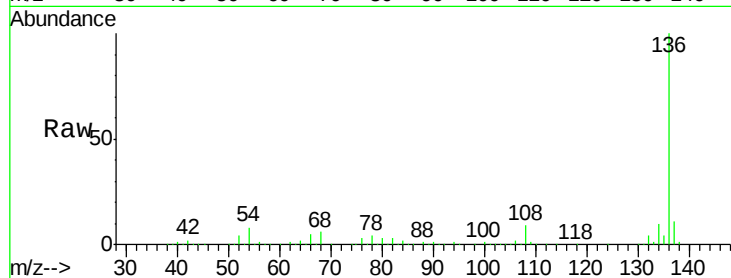
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.0 6.6 9.8

68 5.9 5.0 7.4

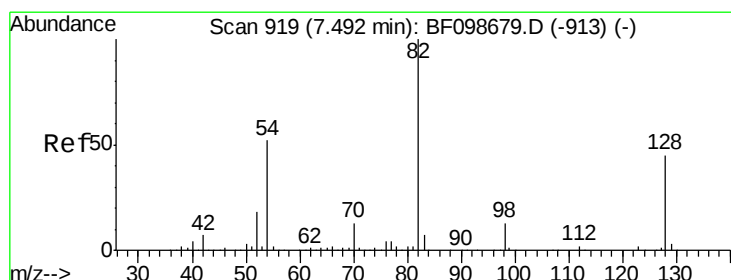
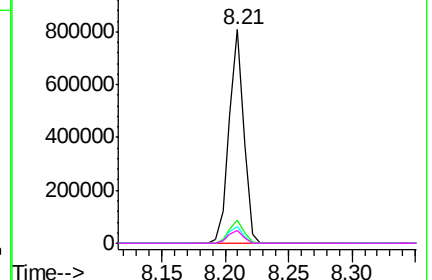
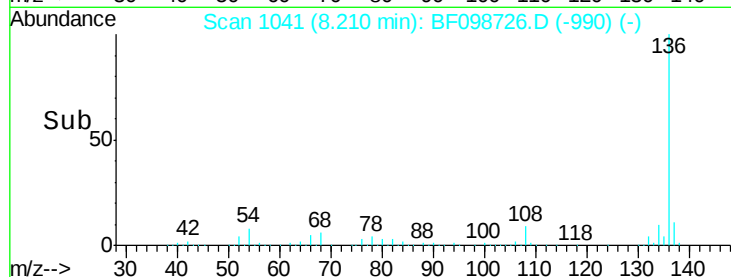


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 83.06 ng

RT: 7.49 min Scan# 919

Delta R.T. -0.00 min

Lab File: BF098726.D

Acq: 23 Sep 2017 5:17

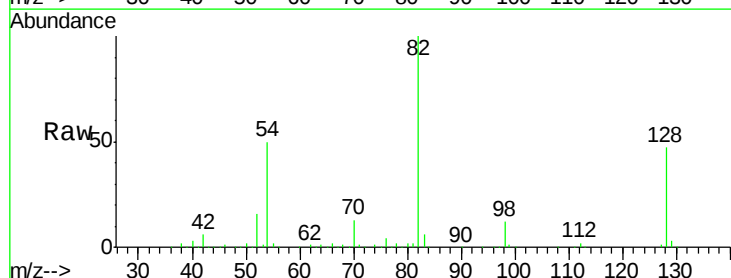
Tgt Ion: 82 Resp: 792536

Ion Ratio Lower Upper

82 100

128 47.4 36.1 54.1

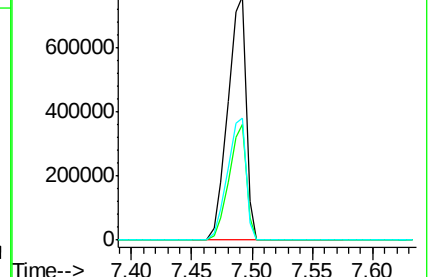
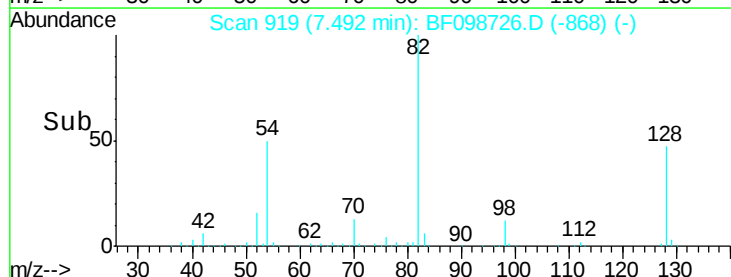
54 50.1 41.4 62.2

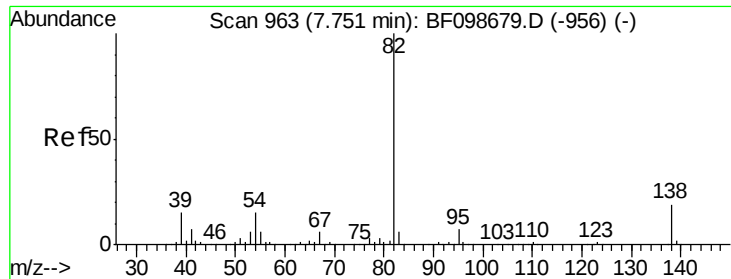


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 38.04 ng

RT: 7.49 min Scan# 919

Delta R.T. -0.26 min

Lab File: BF098726.D

Acq: 23 Sep 2017 5:17

Instrument :

BNA_F

ClientSampleId :

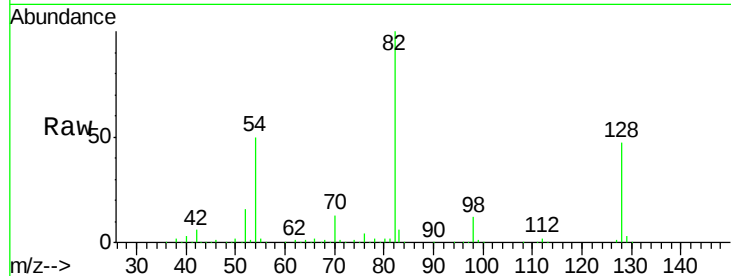
Tot Ion: 82 Resp: 791609

Ion Ratio Lower Upper

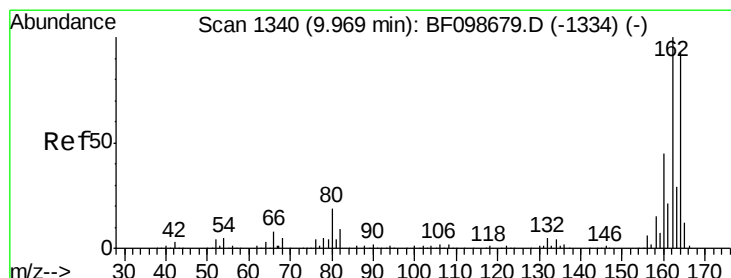
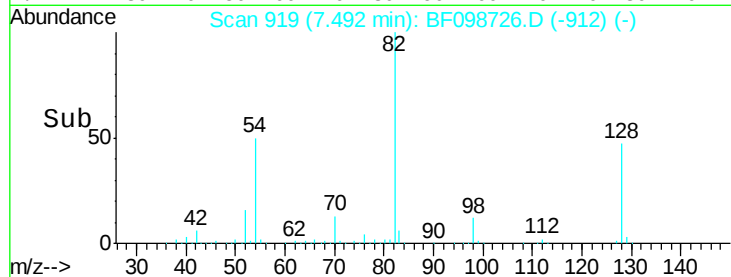
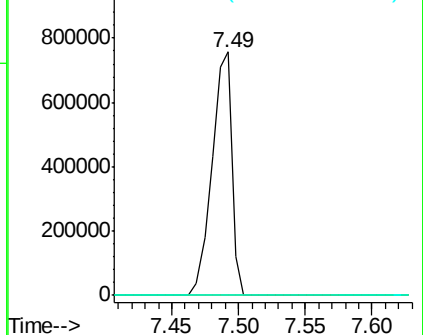
82 100

95 0.0 5.2 7.8#

138 0.0 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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF098726.D

Acq: 23 Sep 2017 5:17

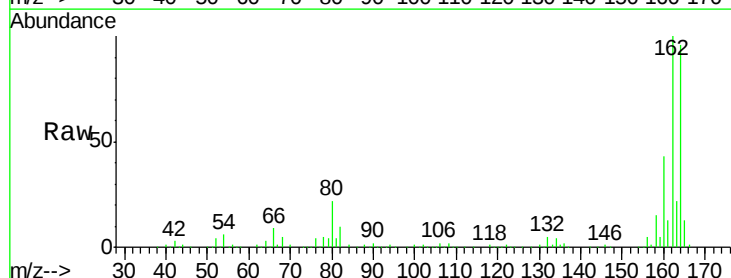
Tgt Ion: 164 Resp: 263132

Ion Ratio Lower Upper

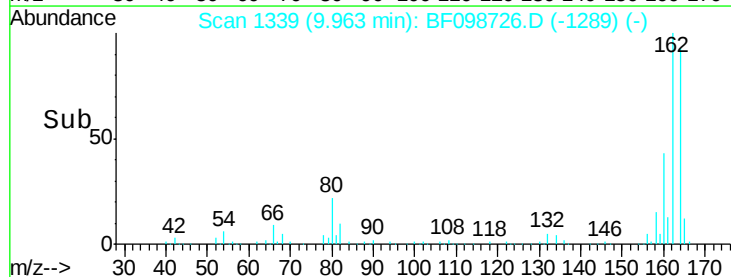
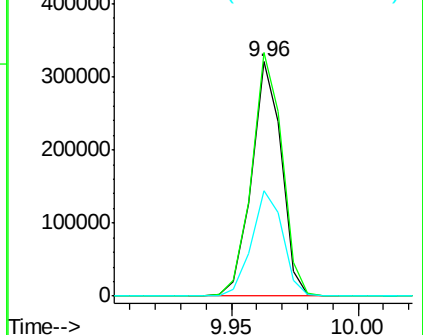
164 100

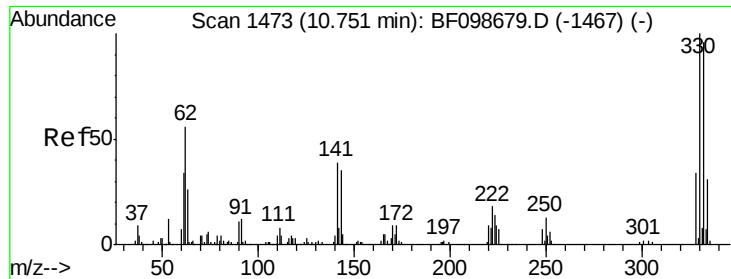
162 103.8 86.1 129.1

160 44.9 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

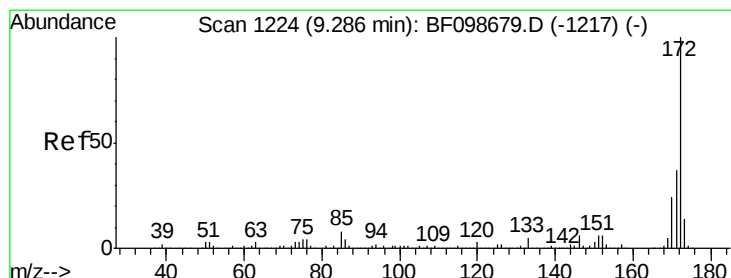
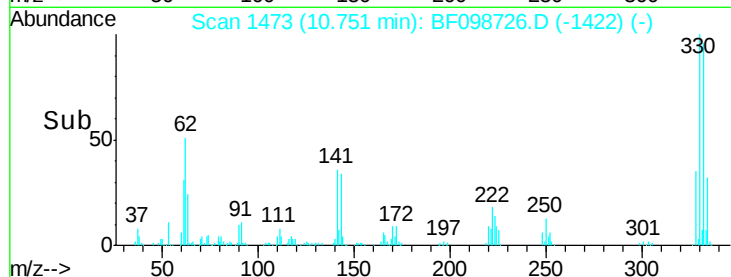
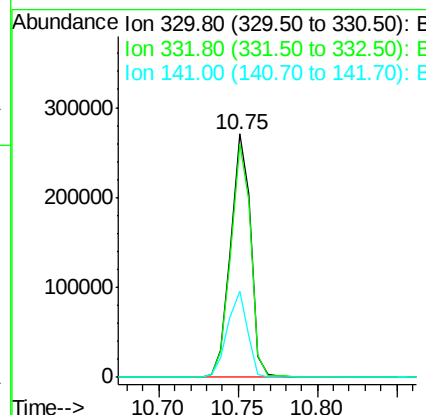
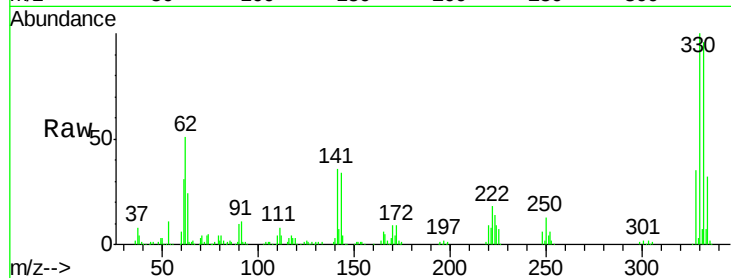




#41
 2,4,6-Tribromophenol
 Concen: 98.84 ng
 RT: 10.75 min Scan# 1473
 Delta R.T. -0.00 min
 Lab File: BF098726.D
 Acq: 23 Sep 2017 5:17

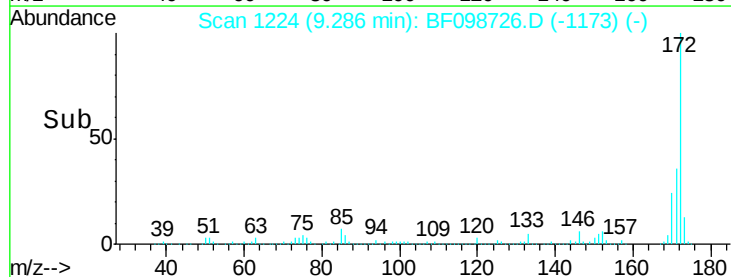
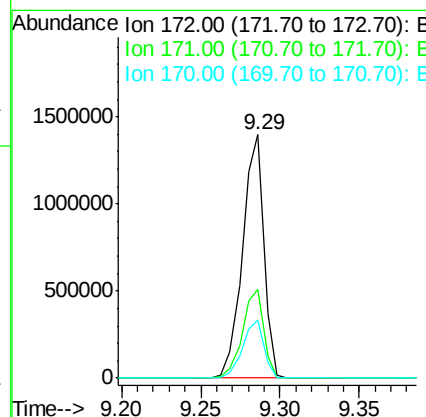
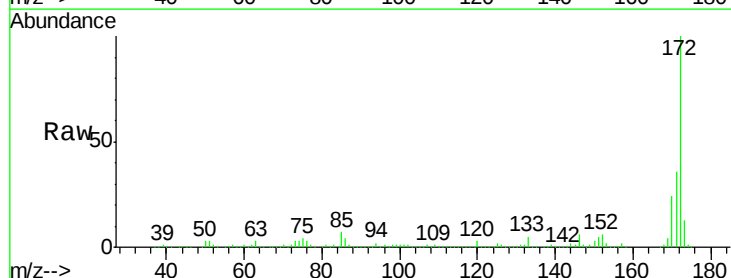
Instrument :
 BNA_F
 ClientSampleId :

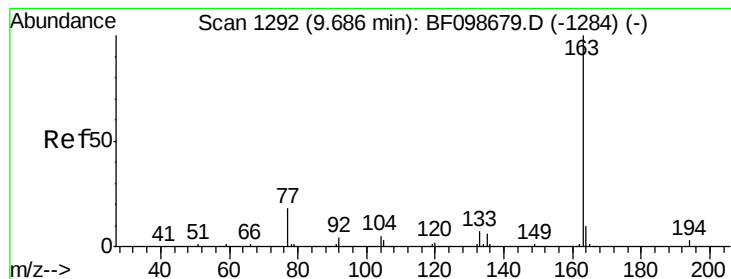
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	35.4	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 78.65 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: BF098726.D
 Acq: 23 Sep 2017 5:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	23.7	19.6	29.4





#49

Dimethylphthalate

Concen: 6.38 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BF098726.D

Acq: 23 Sep 2017 5:17

Instrument :

BNA_F

ClientSampleId :

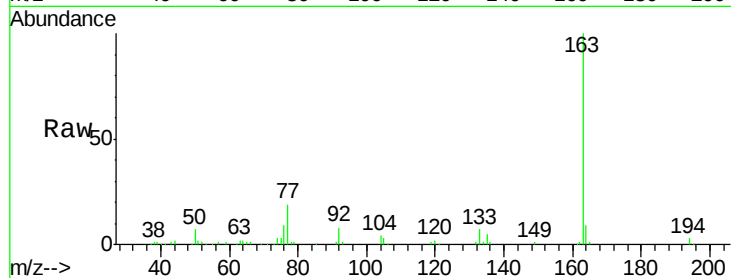
Tot Ion:163 Resp: 125873

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

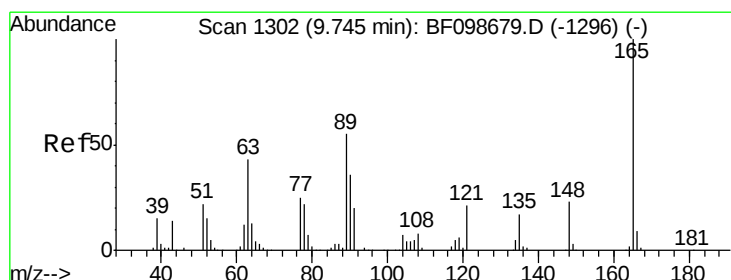
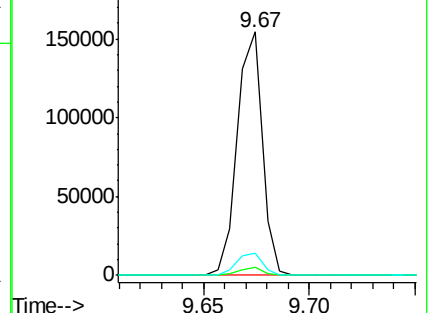
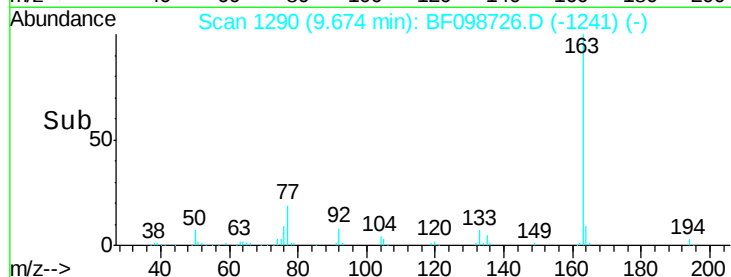
164 9.4 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.70 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.22 min

Lab File: BF098726.D

Acq: 23 Sep 2017 5:17

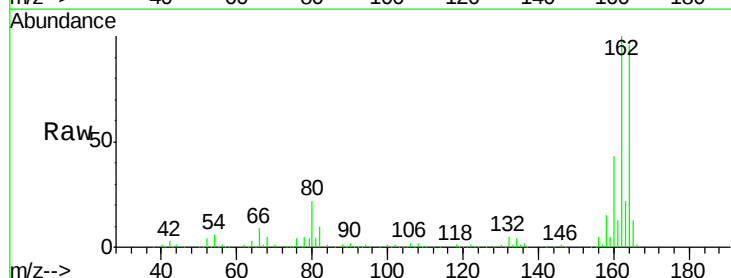
Tgt Ion:165 Resp: 33865

Ion Ratio Lower Upper

165 100

63 1.0 44.7 67.1#

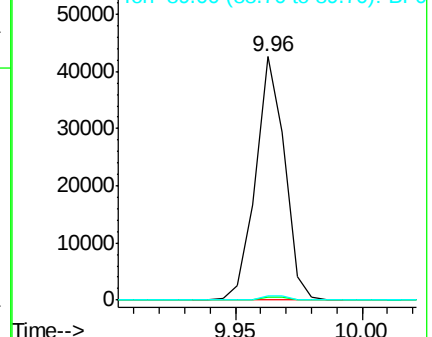
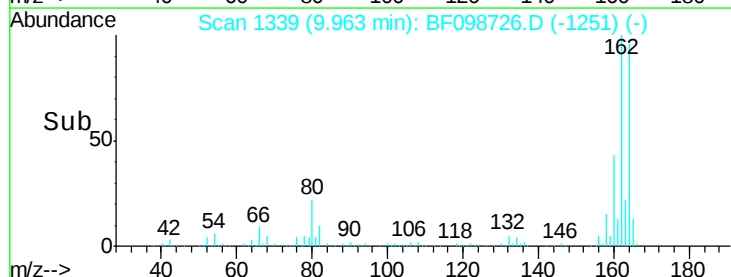
89 1.5 44.0 66.0#

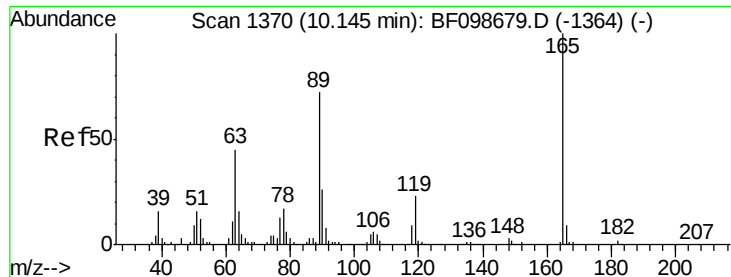


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

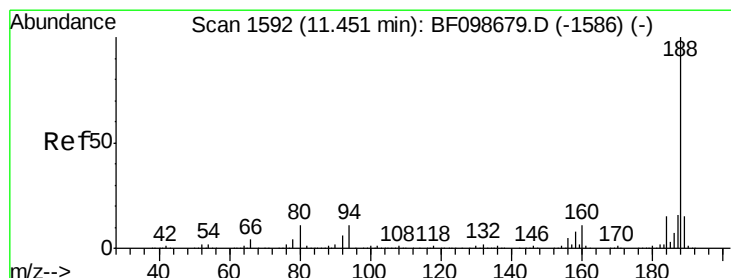
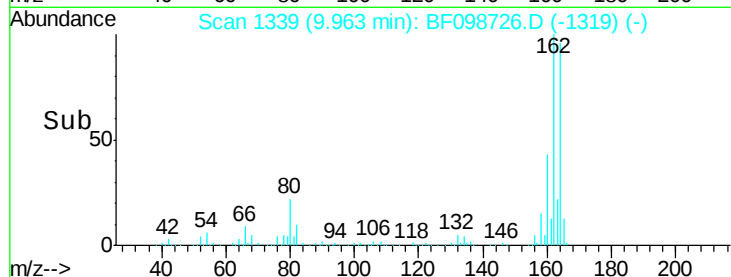
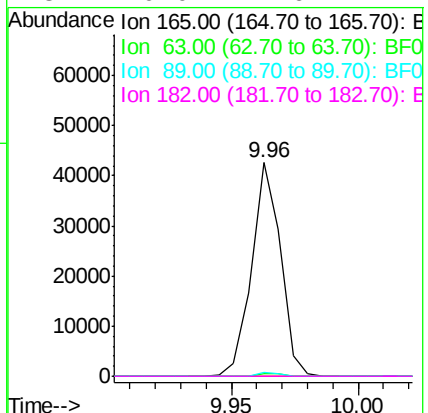
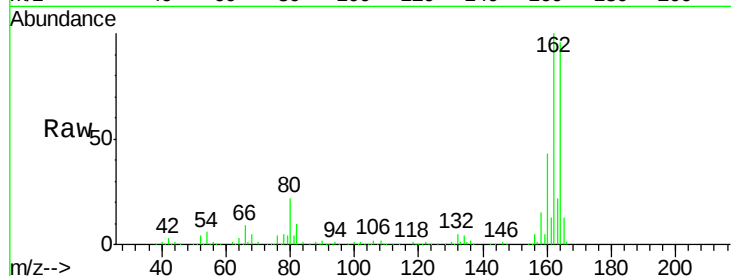




#56
2,4-Dinitrotoluene
Concen: 6.47 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.18 min
Lab File: BF098726.D
Acq: 23 Sep 2017 5:17

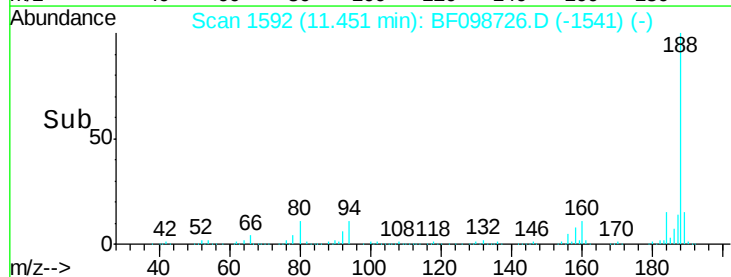
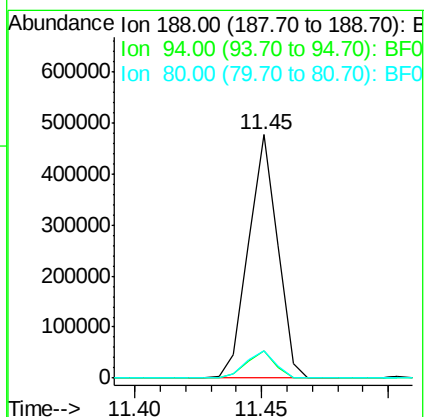
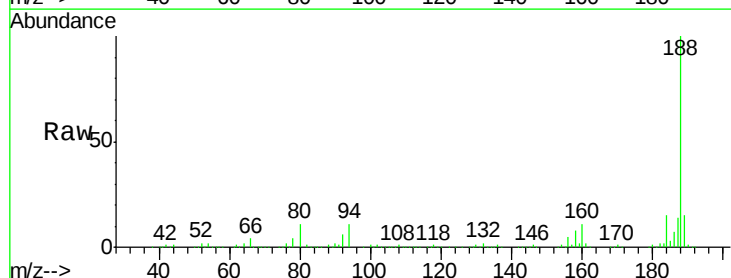
Instrument :
BNA_F
ClientSampleId :

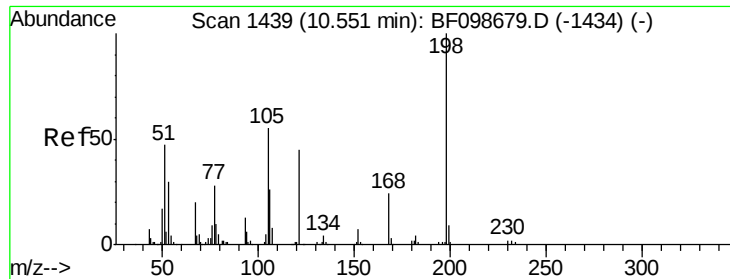
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BF098726.D
Acq: 23 Sep 2017 5:17

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.5	12.7
80	11.4	9.2	13.8

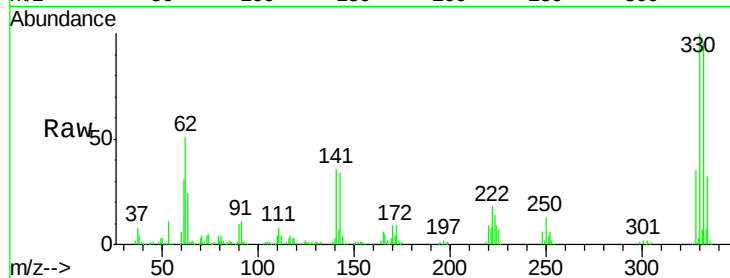




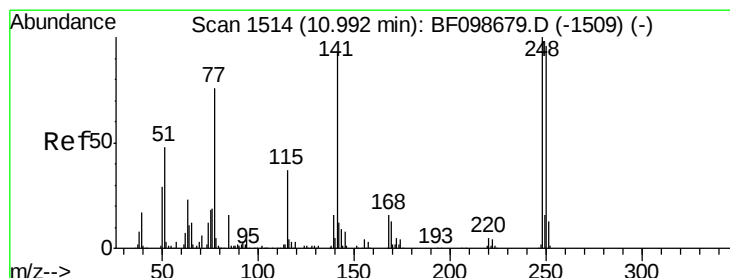
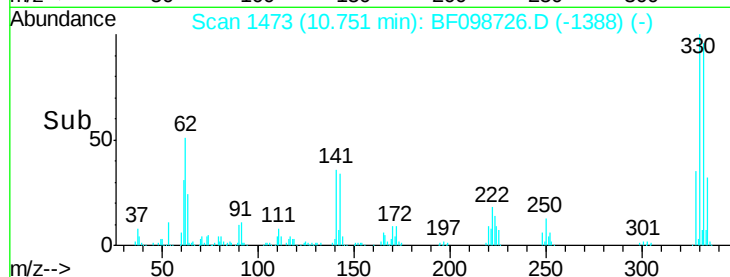
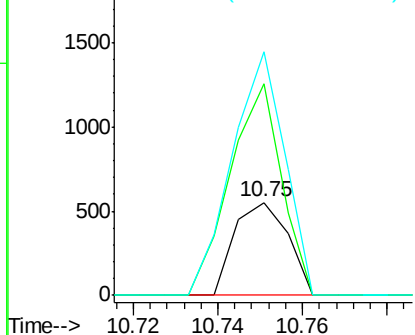
#64
4,6-Dinitro-2-methylphenol
Concen: 9.16 ng
RT: 10.75 min Scan# 1473
Delta R.T. 0.20 min
Lab File: BF098726.D
Acq: 23 Sep 2017 5:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 483
Ion Ratio Lower Upper
198 100
51 227.6 37.7 77.7#
105 262.3 36.3 76.3#

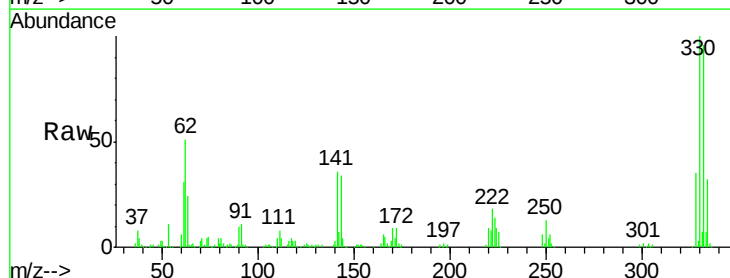


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

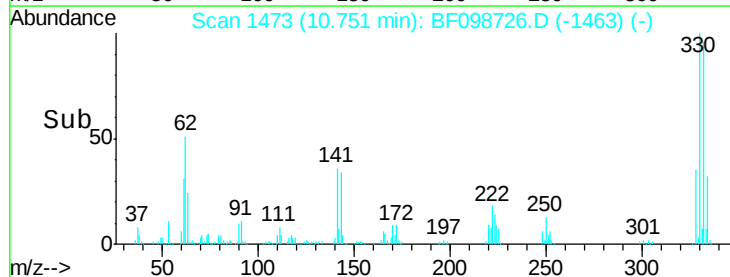
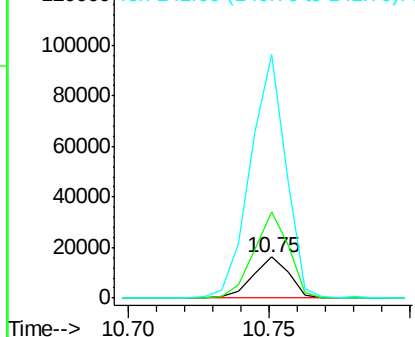


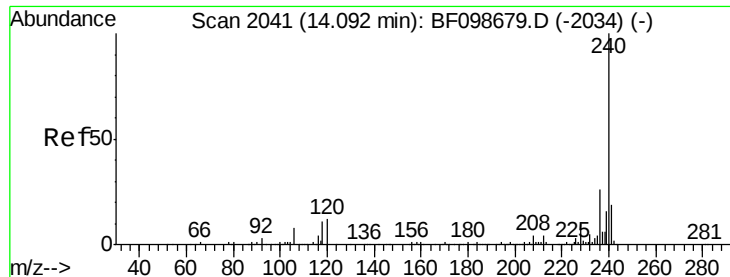
#66
4-Bromophenyl-phenylether
Concen: 3.73 ng
RT: 10.75 min Scan# 1473
Delta R.T. -0.24 min
Lab File: BF098726.D
Acq: 23 Sep 2017 5:17

Tgt Ion:248 Resp: 14408
Ion Ratio Lower Upper
248 100
250 208.9 76.9 115.3#
141 594.3 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.01 min

Lab File: BF098726.D

Acq: 23 Sep 2017 5:17

Instrument :

BNA_F

ClientSampleId :

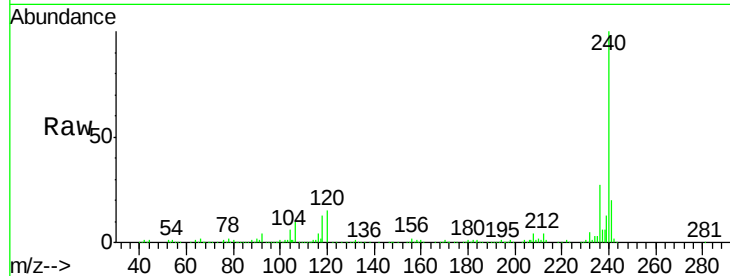
Tot Ion:240 Resp: 335008

Ion Ratio Lower Upper

240 100

120 15.5 9.5 14.3#

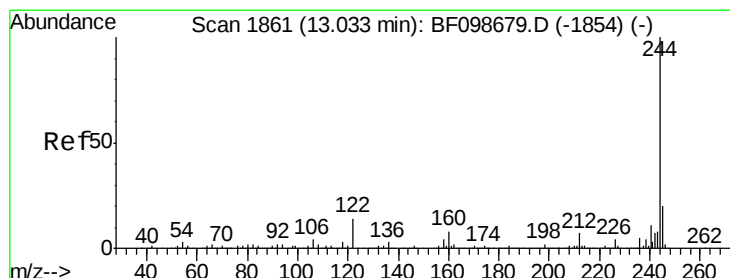
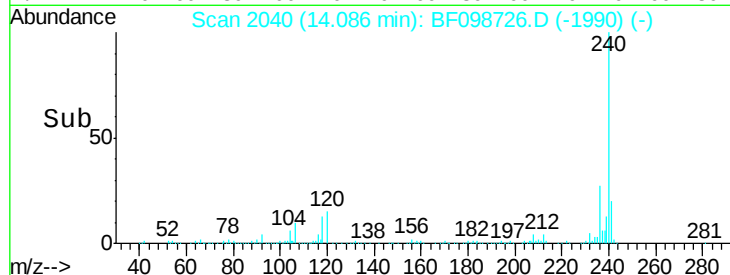
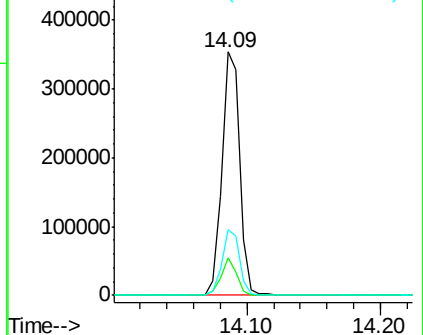
236 26.8 20.7 31.1



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



#78

Terphenyl-d14

Concen: 57.49 ng

RT: 13.03 min Scan# 1861

Delta R.T. -0.00 min

Lab File: BF098726.D

Acq: 23 Sep 2017 5:17

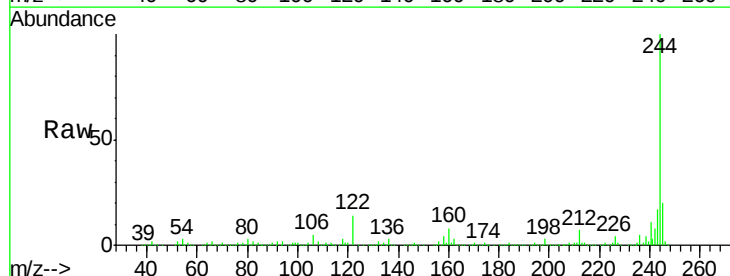
Tgt Ion:244 Resp: 896946

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

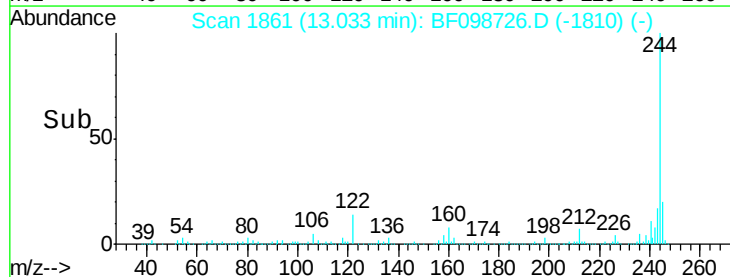
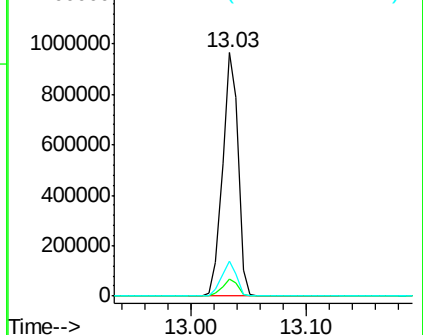
122 14.4 11.0 16.4

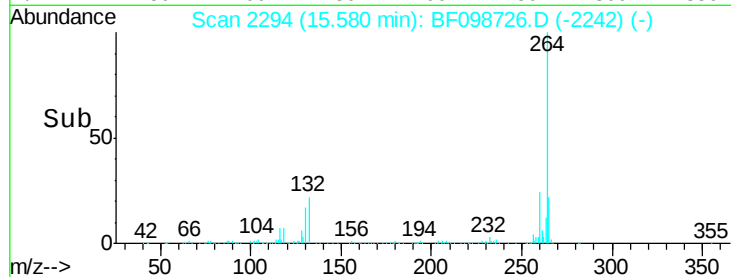
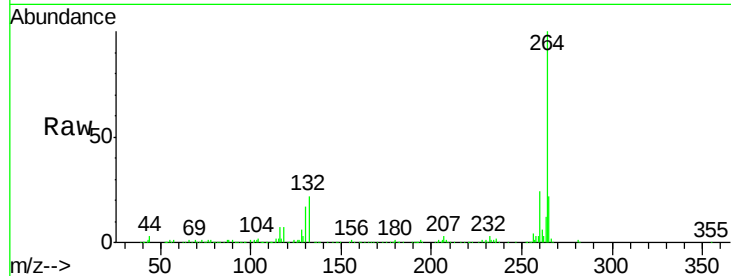
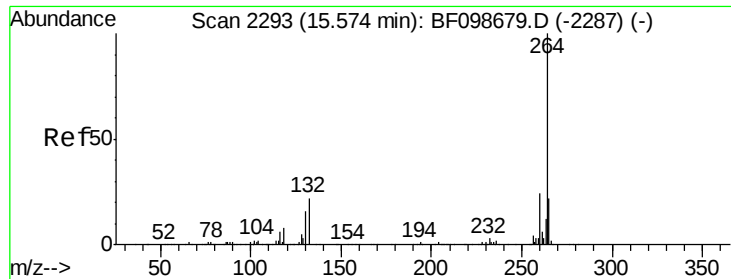


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF098726.D
Acq: 23 Sep 2017 5:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.7	17.5	26.3

