

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092917\
 Data File : BF098938.D
 Acq On : 29 Sep 2017 9:50
 Operator : SJ/JU
 Sample : I5472-01RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 29 16:04:07 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

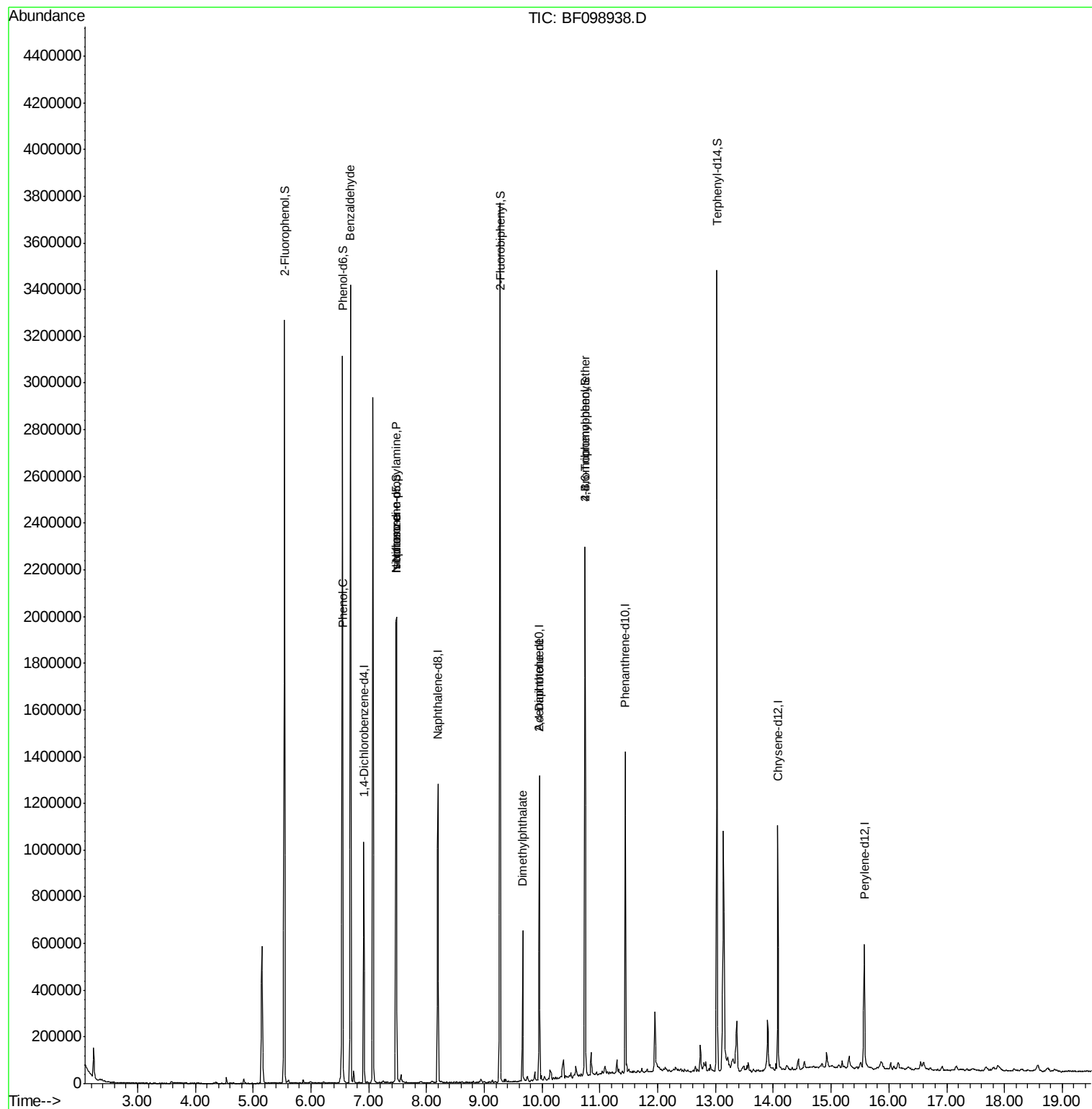
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	134108	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	559137	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	259950	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	457650	20.00	ng	0.00
75) Chrysene-d12	14.08	240	305242	20.00	ng	0.00
86) Perylene-d12	15.57	264	212100	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1009854	119.87	ng	0.00
7) Phenol-d6	6.55	99	1232147	118.56	ng	0.00
23) Nitrobenzene-d5	7.48	82	752011	86.25	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	263448	123.85	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	1299380	83.45	ng	0.00
78) Terphenyl-d14	13.03	244	1165553	86.84	ng	0.00
Target Compounds						
9) Benzaldehyde	6.69	77	21945	3.640	ng	85
10) Phenol	6.56	94	35382	3.044	ng	98
19) n-Nitroso-di-n-propylamine	7.47	70	100148	15.094	ng	# 78
25) Isophorone	7.48	82	748564	41.527	ng	# 64
49) Dimethylphthalate	9.66	163	242640	12.367	ng	99
56) 2,4-Dinitrotoluene	9.95	165	33256	5.999	ng	# 23
66) 4-Bromophenyl-phenylether	10.74	248	18027	4.024	ng	# 1

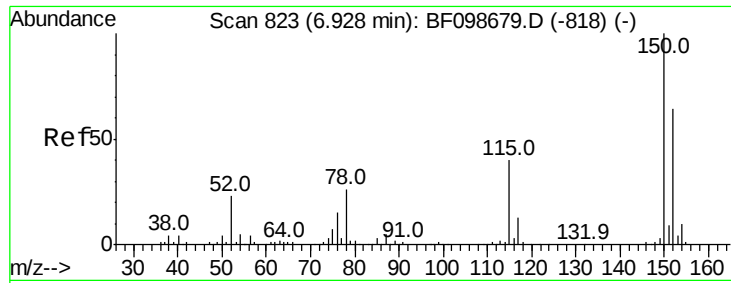
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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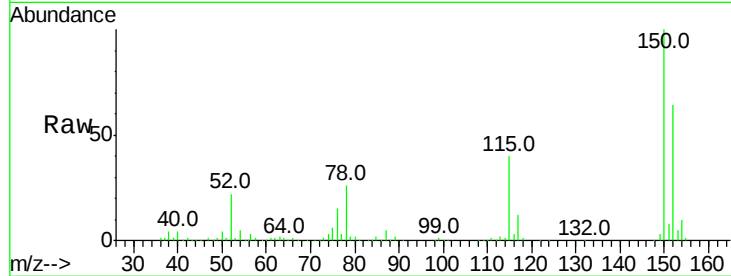


#1

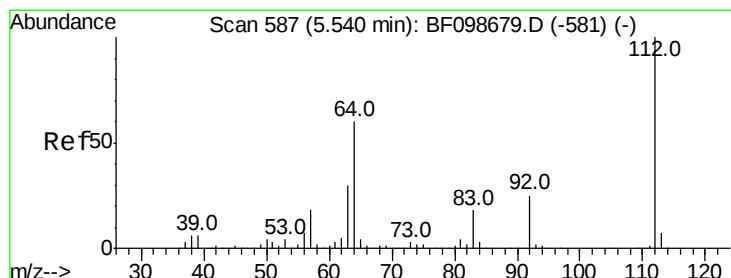
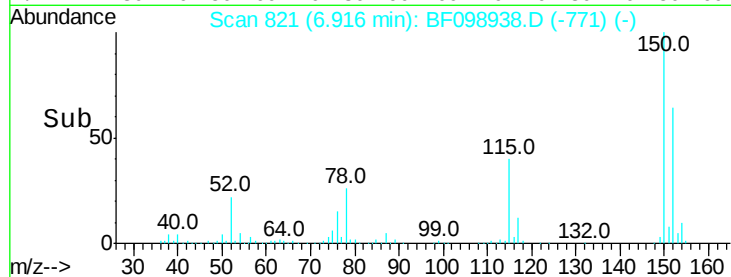
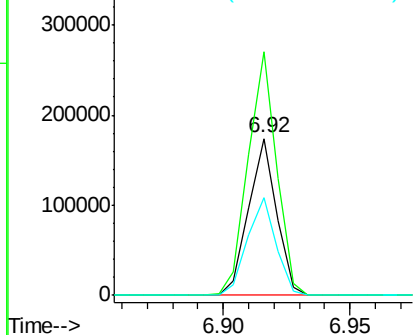
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.92 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF098938.D
 Acq: 29 Sep 2017 9:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 134108
 Ion Ratio Lower Upper
 152 100
 150 155.2 124.6 186.8
 115 61.9 50.1 75.1



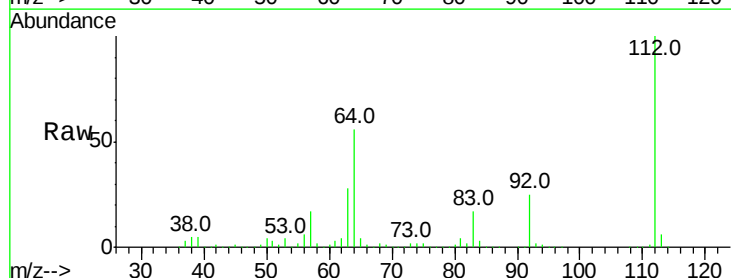
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



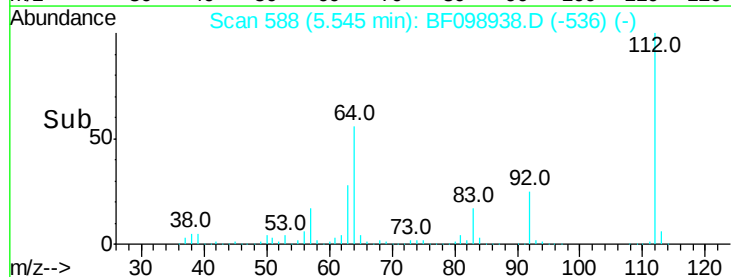
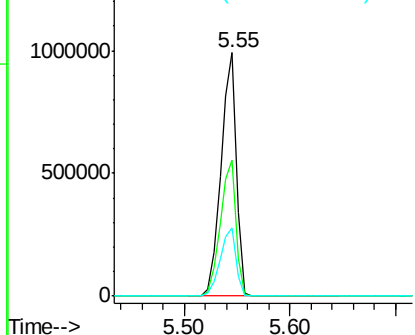
#5

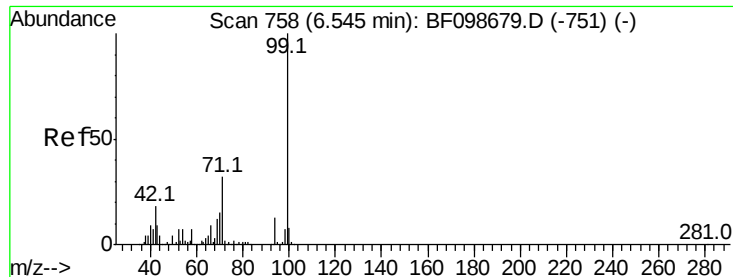
2-Fluorophenol
 Concen: 119.873 ng
 RT: 5.55 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: BF098938.D
 Acq: 29 Sep 2017 9:50

Tgt Ion:112 Resp: 1009854
 Ion Ratio Lower Upper
 112 100
 64 56.1 47.9 71.9
 63 28.3 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: 118.562 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF098938.D

Acq: 29 Sep 2017 9:50

Instrument :

BNA_F

ClientSampled :

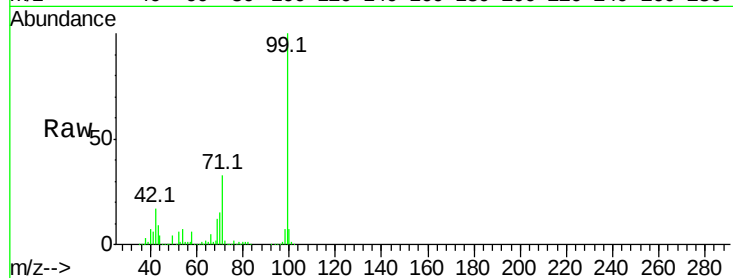
Tot Ion: 99 Resp: 1232147

Ion Ratio Lower Upper

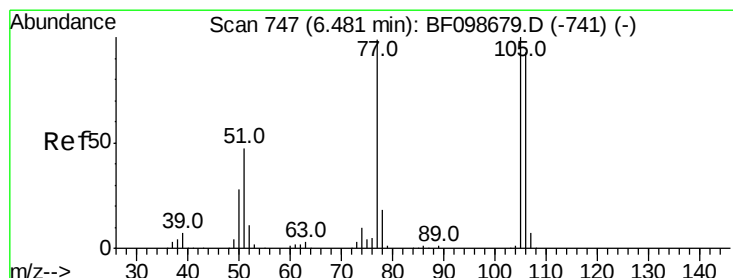
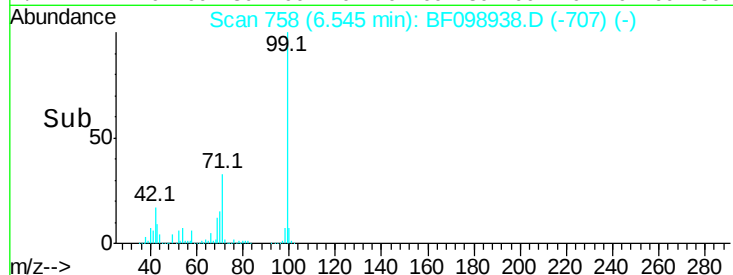
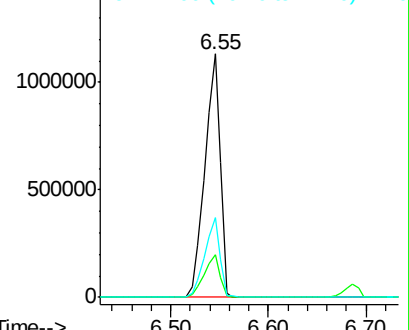
99 100

42 17.4 14.5 21.7

71 32.9 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: 3.640 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.21 min

Lab File: BF098938.D

Acq: 29 Sep 2017 9:50

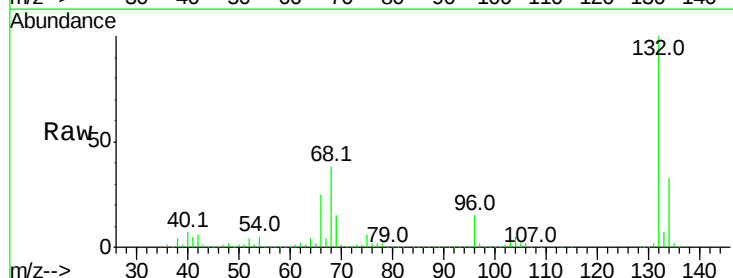
Tgt Ion: 77 Resp: 21945

Ion Ratio Lower Upper

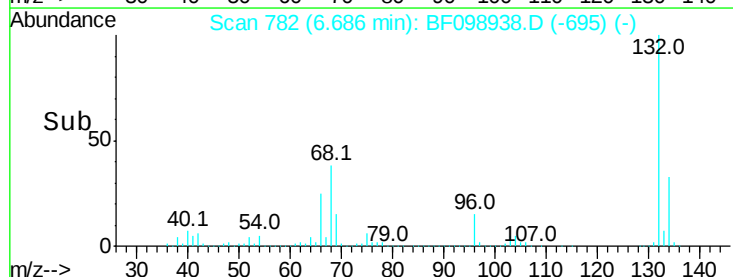
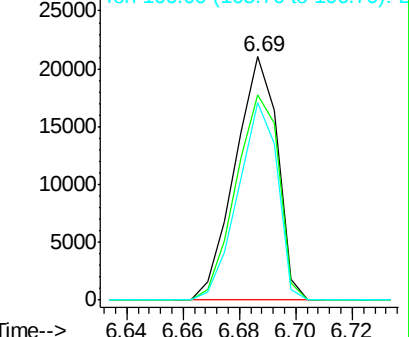
77 100

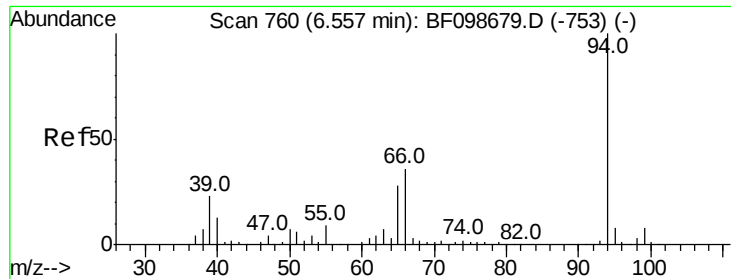
105 84.5 81.1 121.1

106 81.3 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 3.044 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.00 min

Lab File: BF098938.D

Acq: 29 Sep 2017 9:50

Instrument :

BNA_F

ClientSampleId :

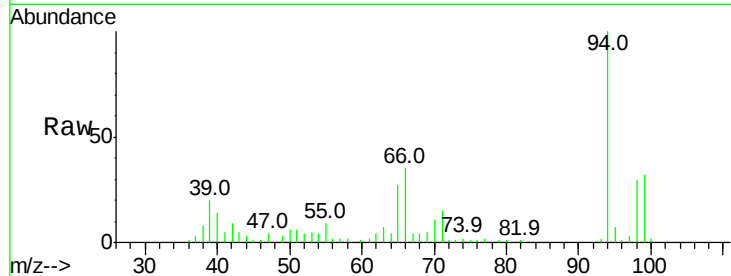
Tot Ion: 94 Resp: 35382

Ion Ratio Lower Upper

94 100

65 27.1 7.9 47.9

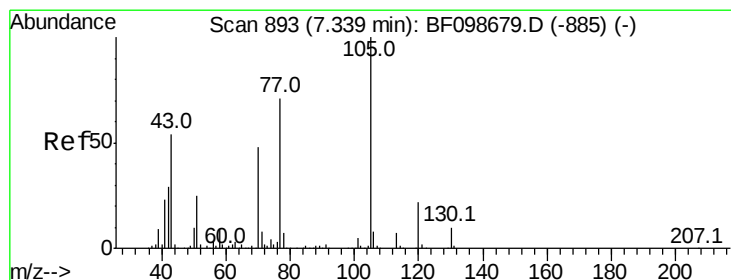
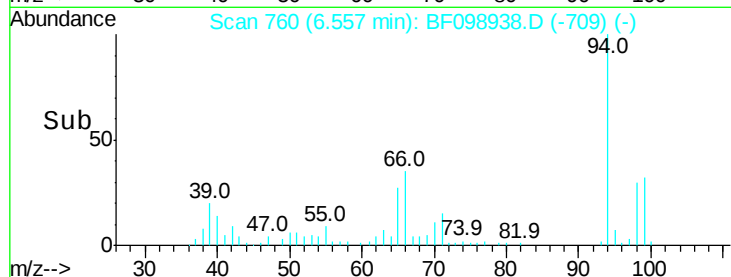
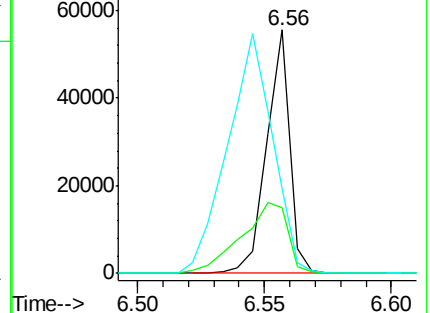
66 34.8 16.2 56.2



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: 15.094 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF098938.D

Acq: 29 Sep 2017 9:50

Tgt Ion: 70 Resp: 100148

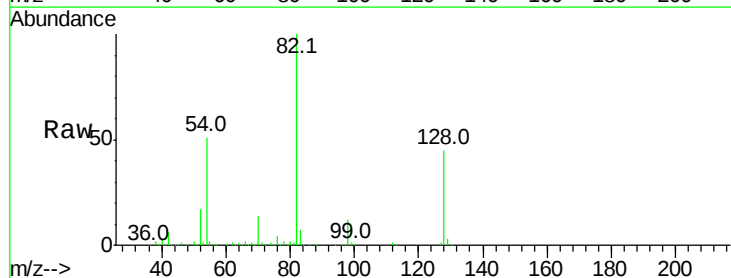
Ion Ratio Lower Upper

70 100

42 47.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

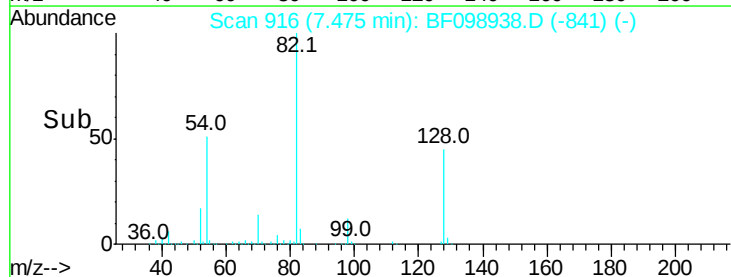
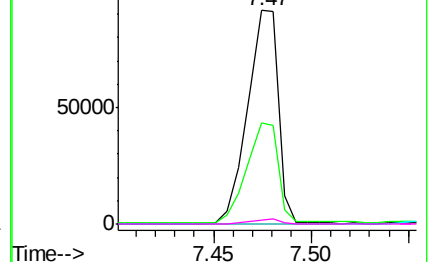


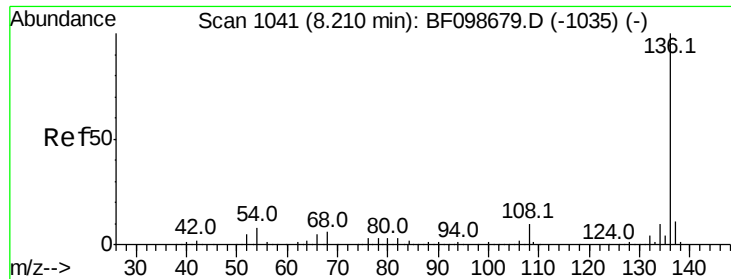
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

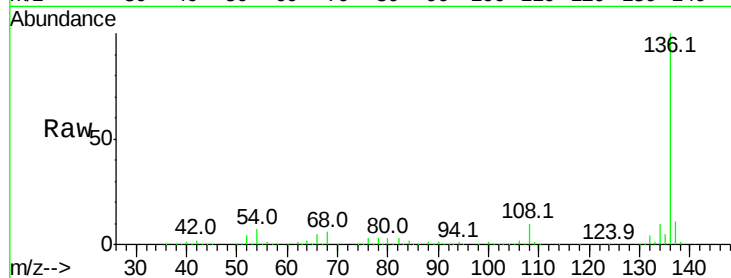




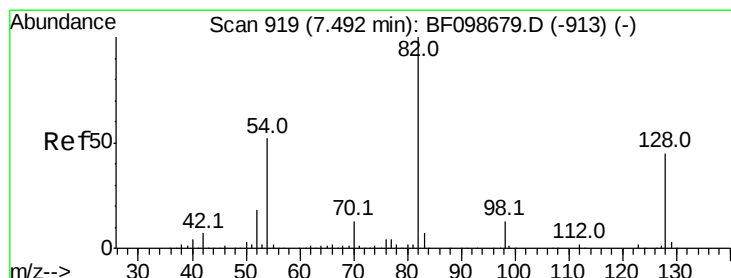
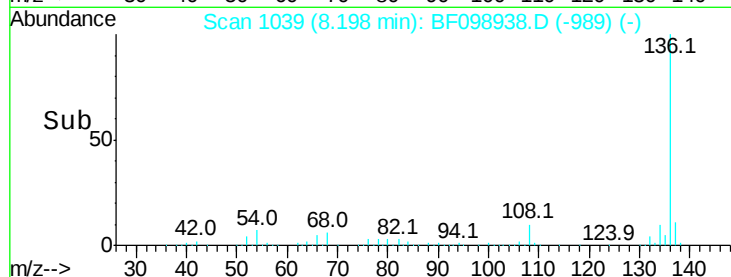
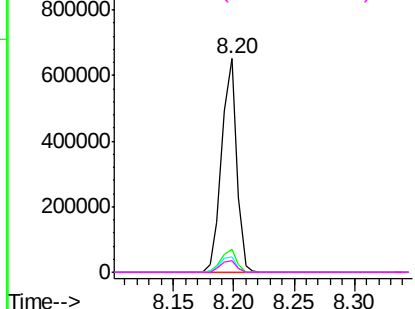
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098938.D
Acq: 29 Sep 2017 9:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	559137
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.4	6.6	9.8
68	5.5	5.0	7.4

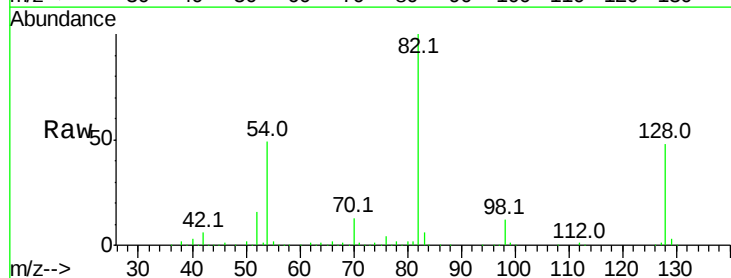


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

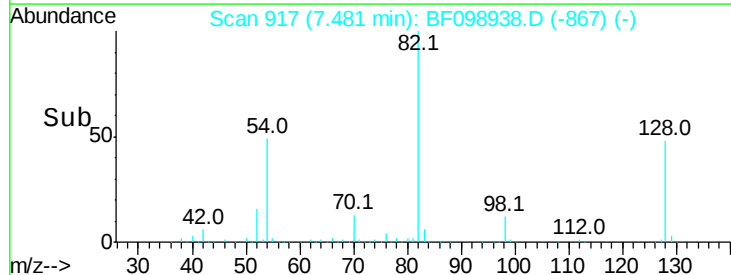
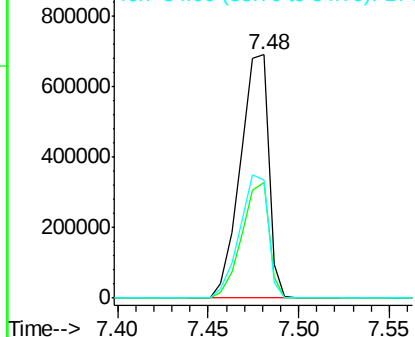


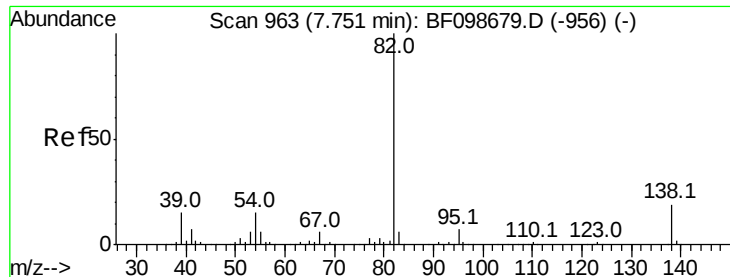
#23
Nitrobenzene-d5
Concen: 86.252 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF098938.D
Acq: 29 Sep 2017 9:50

Tgt Ion:	82	Resp:	752011
Ion	Ratio	Lower	Upper
82	100		
128	47.6	36.1	54.1
54	48.6	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: 41.527 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.26 min

Lab File: BF098938.D

Acq: 29 Sep 2017 9:50

Instrument :

BNA_F

ClientSampleId :

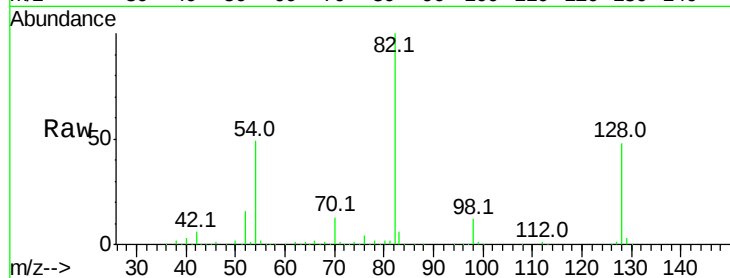
Tot Ion: 82 Resp: 748564

Ion Ratio Lower Upper

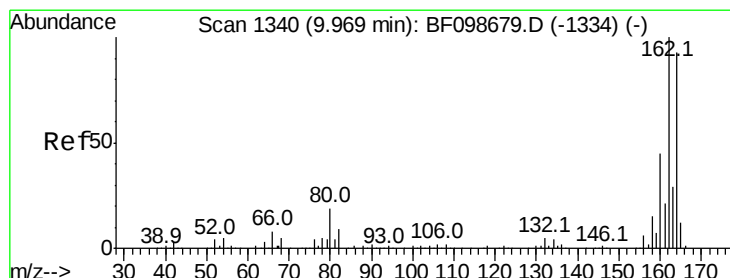
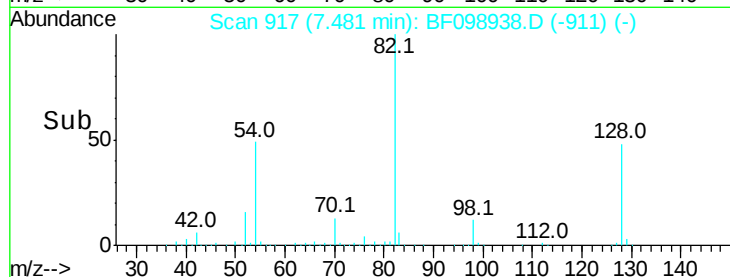
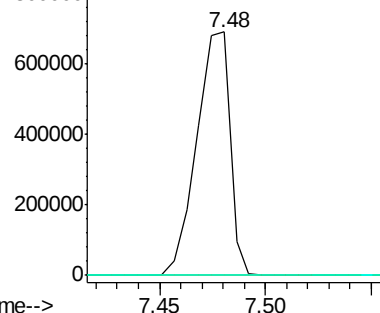
82 100

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): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098938.D

Acq: 29 Sep 2017 9:50

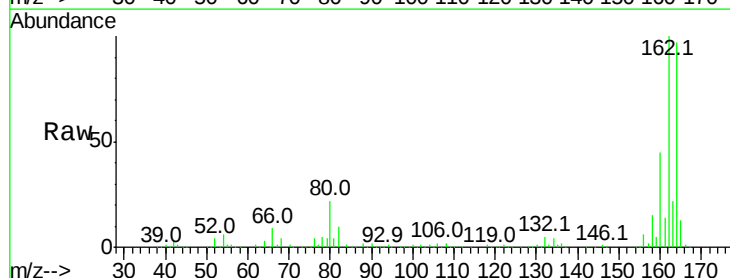
Tgt Ion: 164 Resp: 259950

Ion Ratio Lower Upper

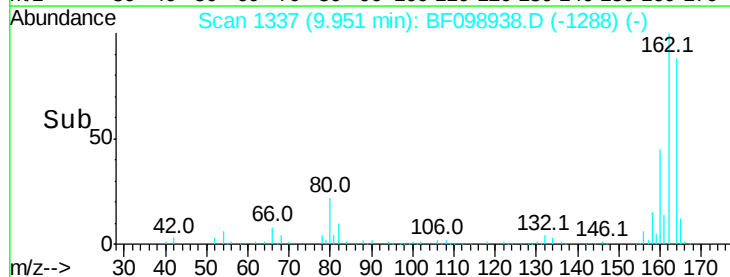
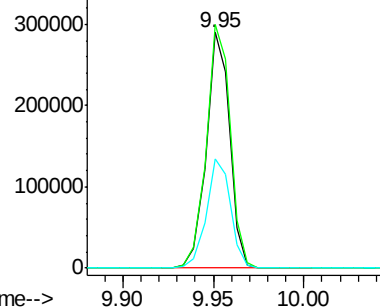
164 100

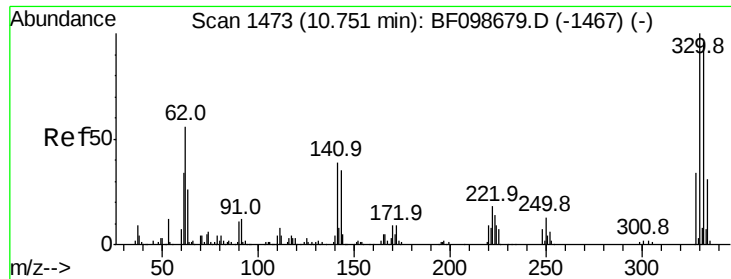
162 103.2 86.1 129.1

160 46.3 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

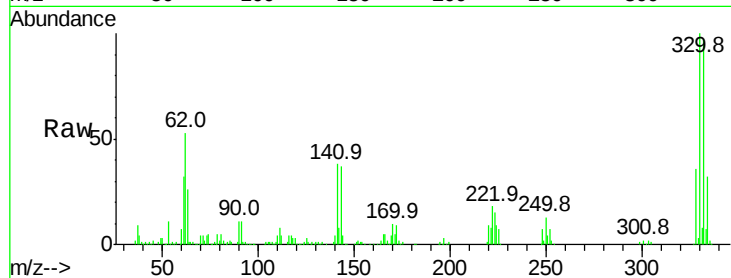




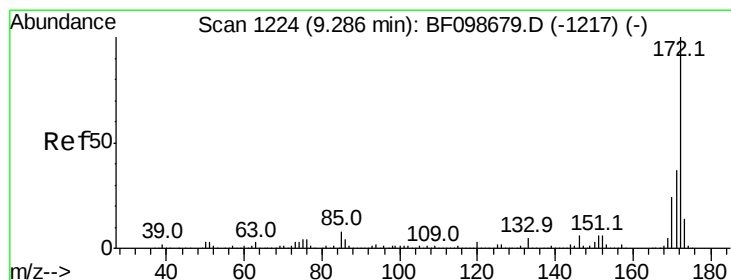
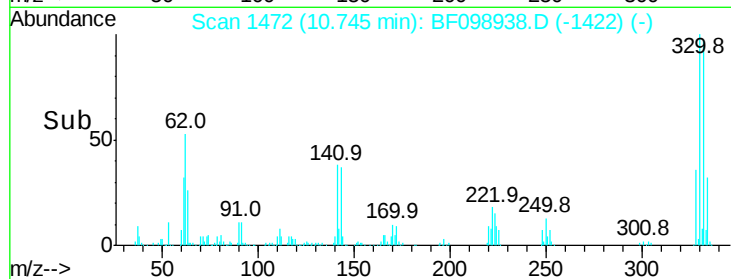
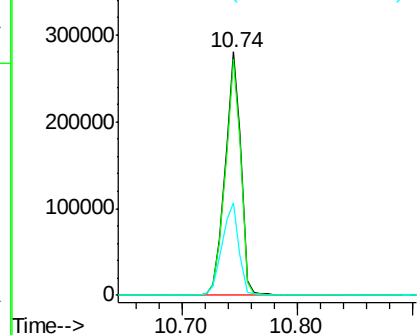
#41
 2,4,6-Tribromophenol
 Concen: 123.853 ng
 RT: 10.74 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BF098938.D
 Acq: 29 Sep 2017 9:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	41.1	29.9	44.9

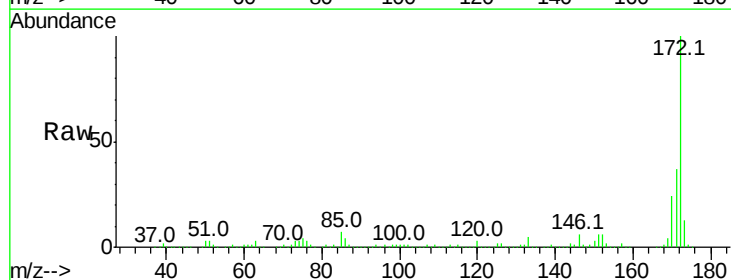


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

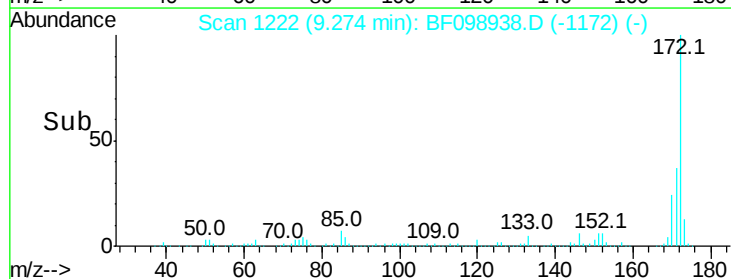
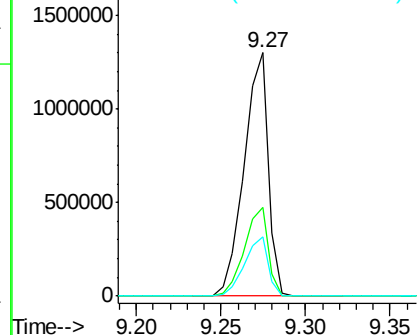


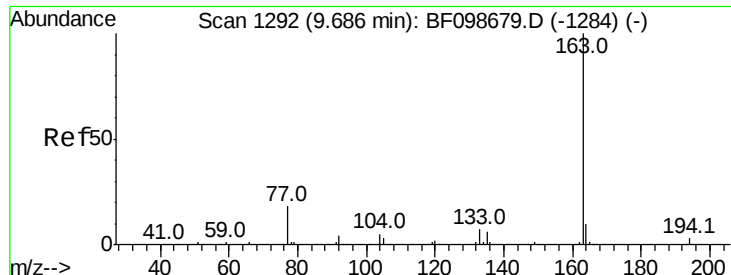
#44
 2-Fluorobiphenyl
 Concen: 83.447 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: BF098938.D
 Acq: 29 Sep 2017 9:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.4	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

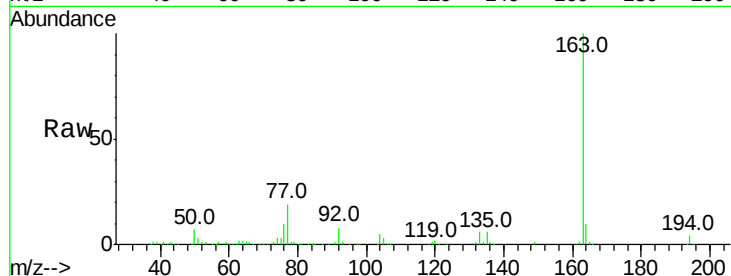




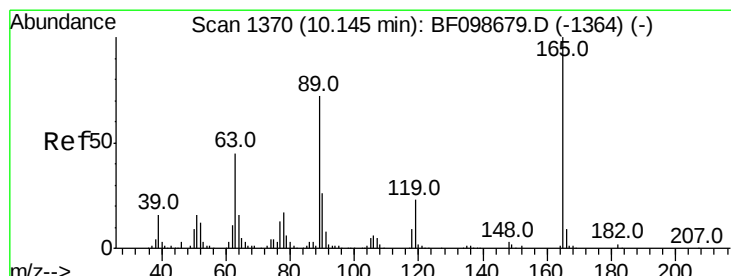
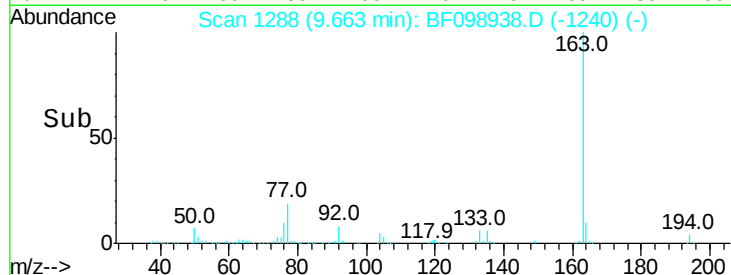
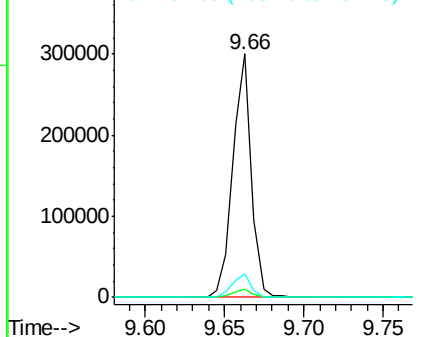
#49
Dimethylphthalate
Concen: 12.367 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.02 min
Lab File: BF098938.D
Acq: 29 Sep 2017 9:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	9.8	8.2	12.2

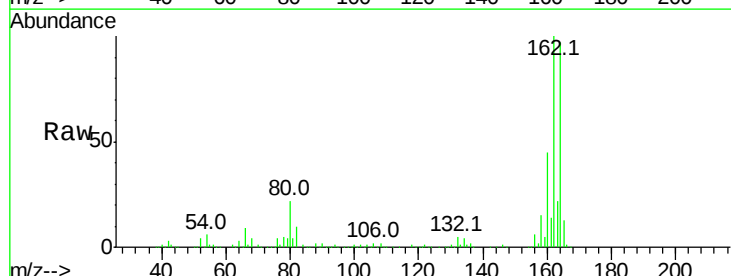


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

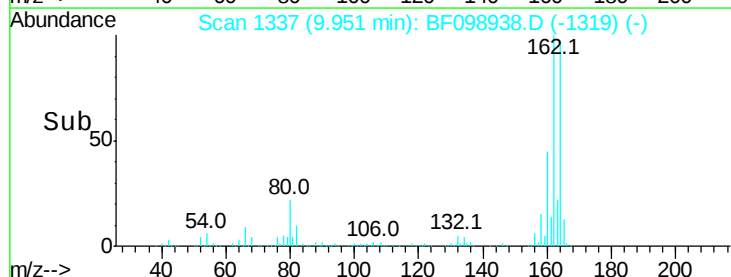
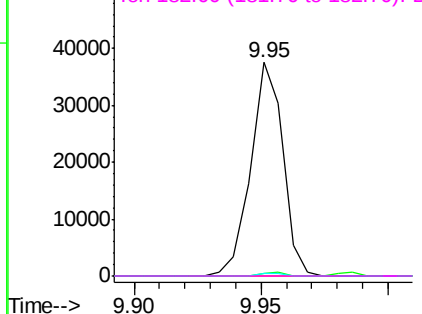


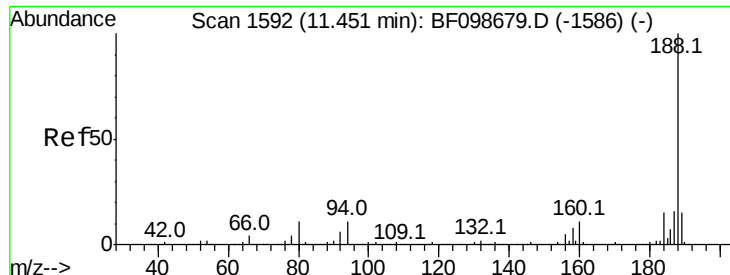
#56
2,4-Dinitrotoluene
Concen: 5.999 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.19 min
Lab File: BF098938.D
Acq: 29 Sep 2017 9:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



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
Ion 182.00 (181.70 to 182.70): E

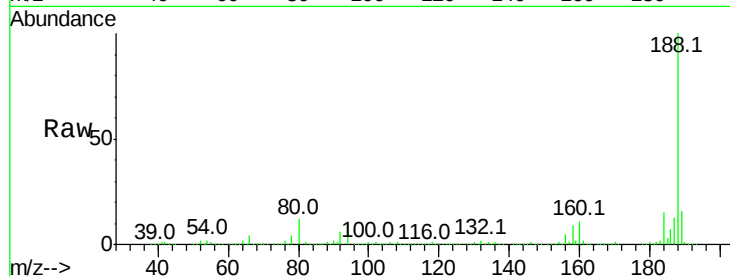




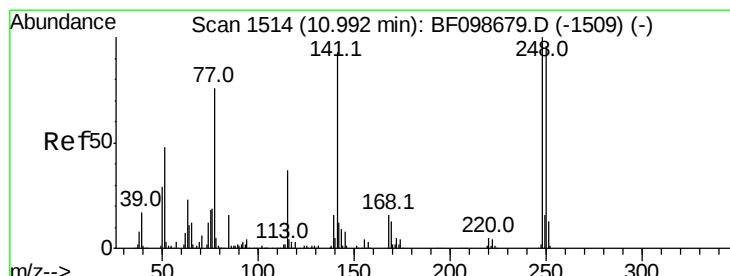
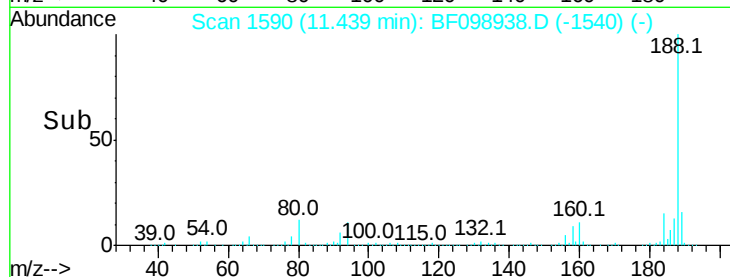
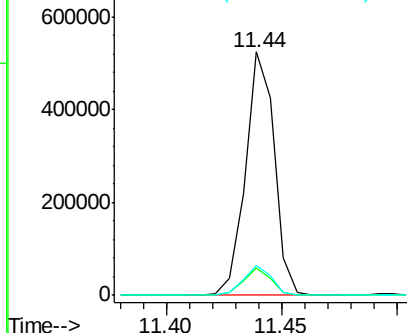
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098938.D
 Acq: 29 Sep 2017 9:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	11.4	8.5	12.7
80	12.2	9.2	13.8

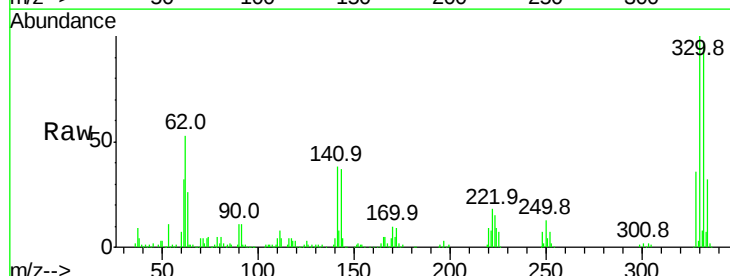


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

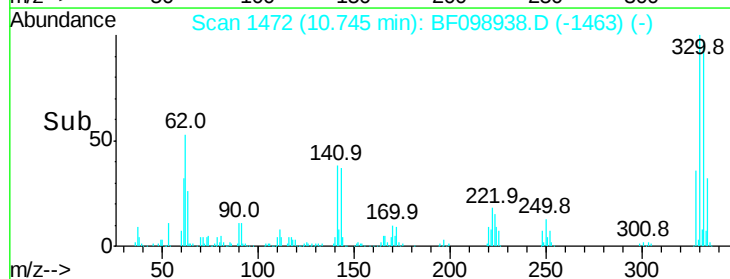
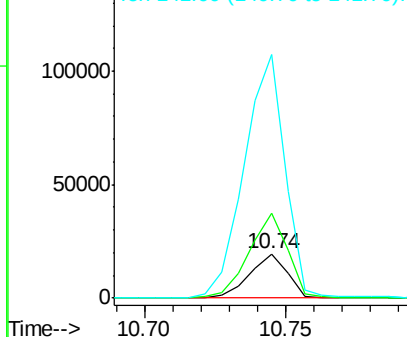


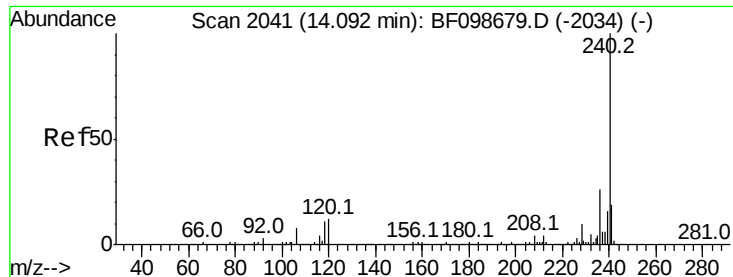
#66
 4-Bromophenyl-phenylether
 Concen: 4.024 ng
 RT: 10.74 min Scan# 1472
 Delta R.T. -0.25 min
 Lab File: BF098938.D
 Acq: 29 Sep 2017 9:50

Tgt Ion	Ratio	Lower	Upper
248	100		
250	192.7	76.9	115.3#
141	552.4	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: 20.000 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098938.D

Acq: 29 Sep 2017 9:50

Instrument :

BNA_F

ClientSampled :

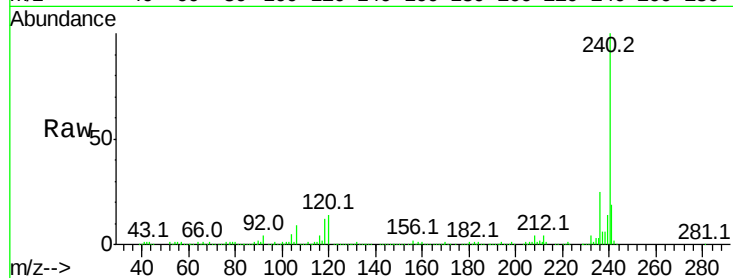
Tot Ion:240 Resp: 305242

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

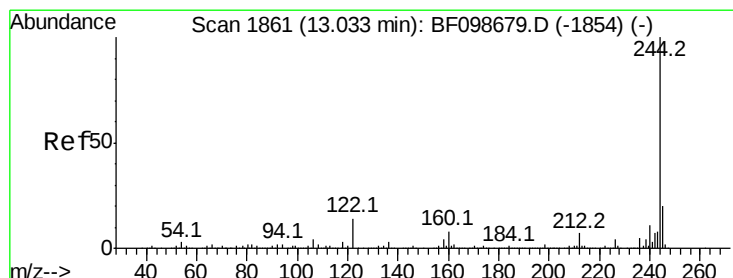
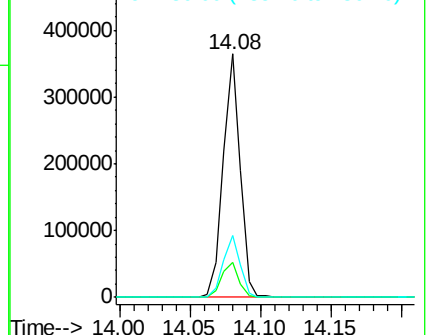
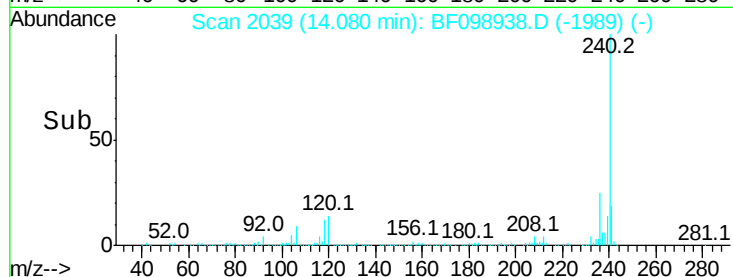
236 25.5 20.7 31.1



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: 86.839 ng

RT: 13.03 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BF098938.D

Acq: 29 Sep 2017 9:50

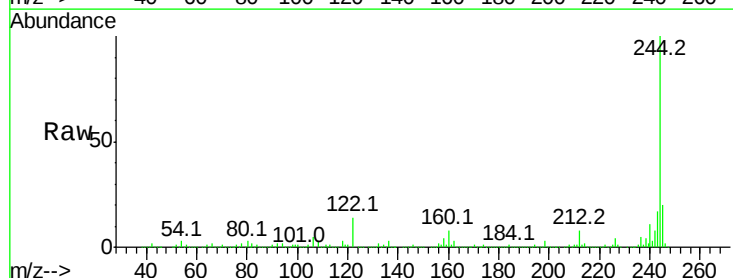
Tgt Ion:244 Resp: 1165553

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

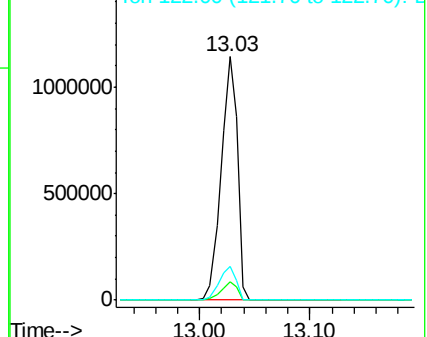
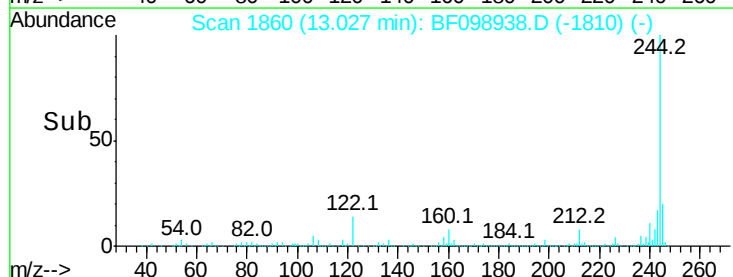
122 14.1 11.0 16.4

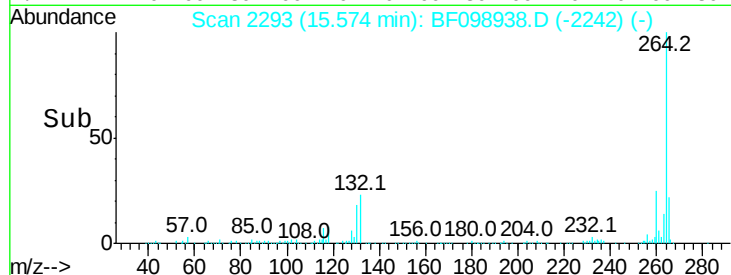
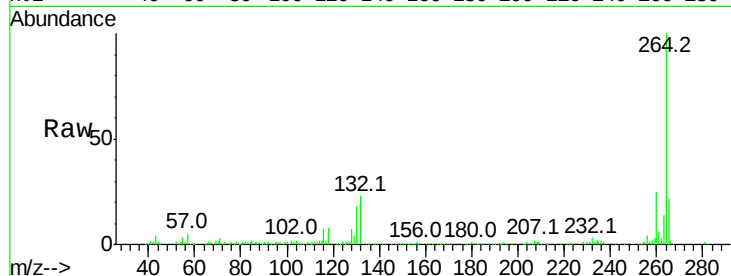
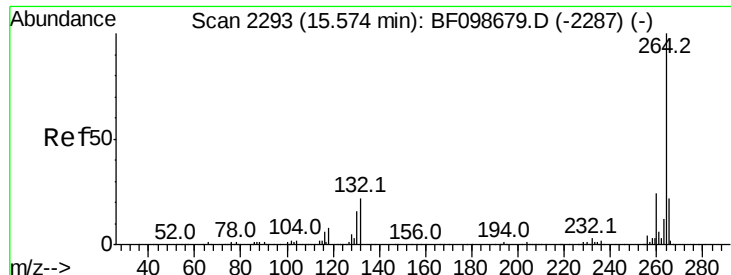


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: BF098938.D
 Acq: 29 Sep 2017 9:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	22.1	17.5	26.3

