

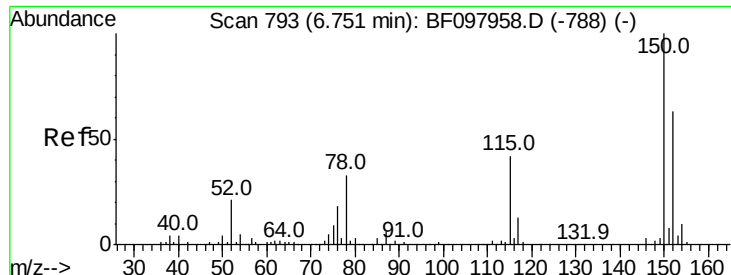
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
 Data File : BF098100.D
 Acq On : 29 Aug 2017 7:30
 Operator : SJ/JU
 Sample : I4961-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 29 09:32:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	102904	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	400660	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	172361	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	323836	20.00	ng	0.00
75) Chrysene-d12	13.89	240	265389	20.00	ng	-0.01
86) Perylene-d12	15.31	264	264114	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	737728	109.05	ng	0.00
7) Phenol-d6	6.38	99	992925	108.02	ng	0.00
23) Nitrobenzene-d5	7.30	82	601993	81.62	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	164269	109.84	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	838040	71.43	ng	-0.01
78) Terphenyl-d14	12.84	244	665479	52.29	ng	-0.01
Target Compounds						
10) Phenol	6.39	94	31244	2.906	ng	94
19) n-Nitroso-di-n-propylamine	7.30	70	80425	12.781	ng	# 70
25) Isophorone	7.30	82	593093	38.673	ng	# 67
49) Dimethylphthalate	9.49	163	112381	8.920	ng	98
56) 2,4-Dinitrotoluene	9.77	165	21617	6.849	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.56	198	312	8.490	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	10766	3.201	ng	# 1

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

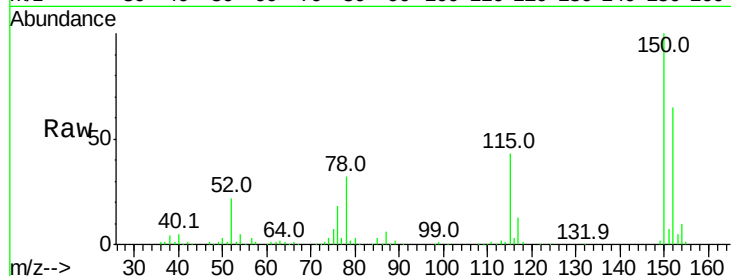


#1

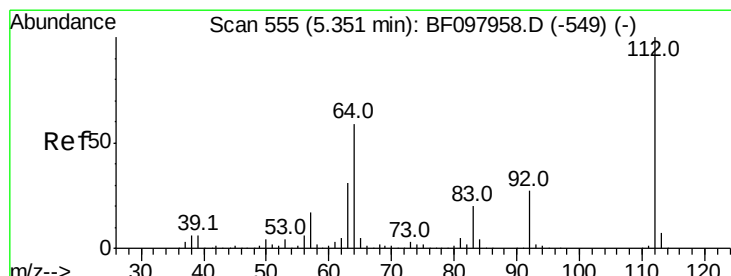
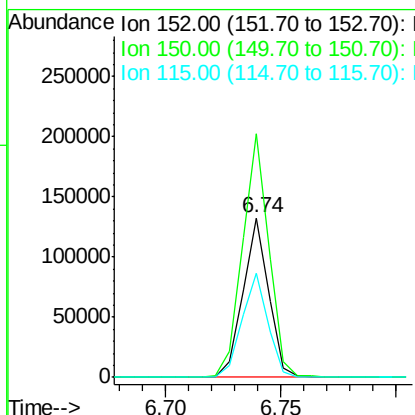
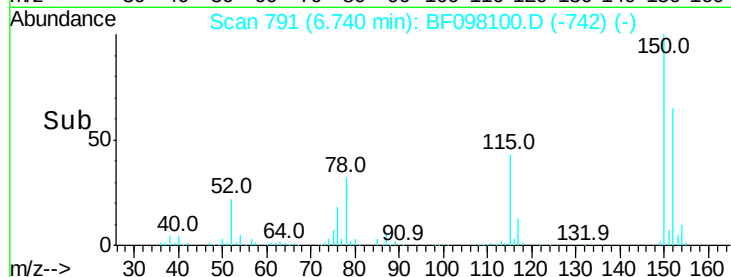
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098100.D
Acq: 29 Aug 2017 7:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 102904
Ion Ratio Lower Upper
152 100
150 152.9 126.2 189.2
115 65.1 52.2 78.2



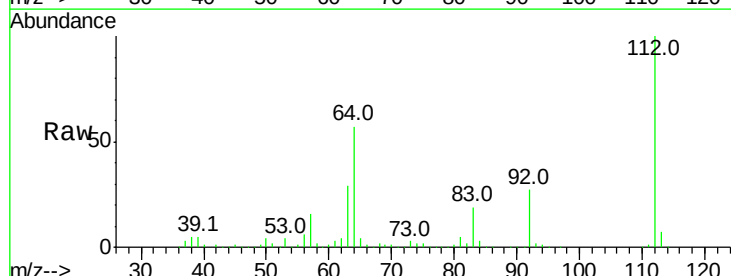
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



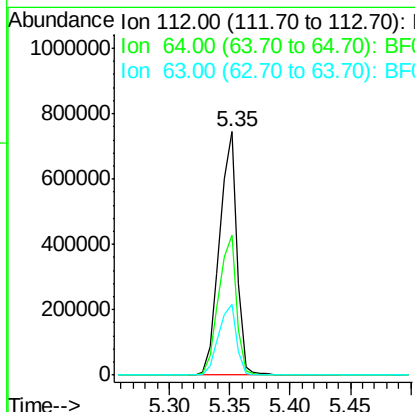
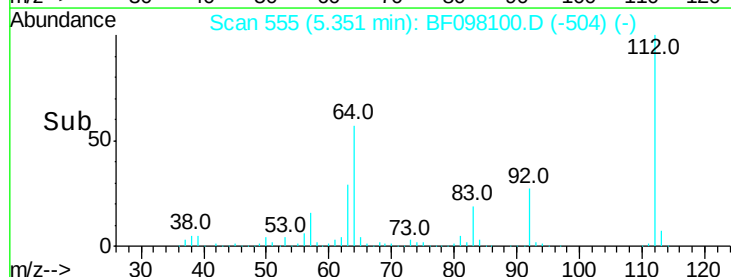
#5

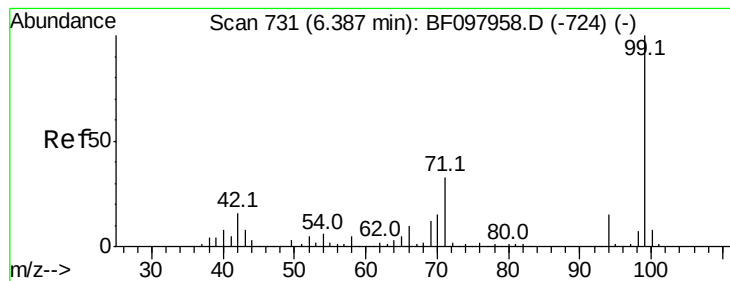
2-Fluorophenol
Concen: 109.047 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF098100.D
Acq: 29 Aug 2017 7:30

Tgt Ion:112 Resp: 737728
Ion Ratio Lower Upper
112 100
64 57.5 46.0 69.0
63 29.3 23.4 35.0



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: 108.021 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF098100.D

Acq: 29 Aug 2017 7:30

Instrument :

BNA_F

ClientSampled :

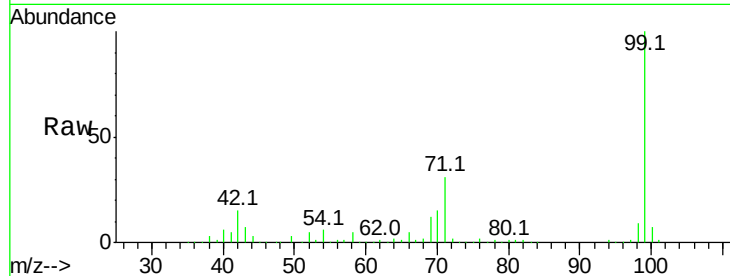
Tot Ion: 99 Resp: 992925

Ion Ratio Lower Upper

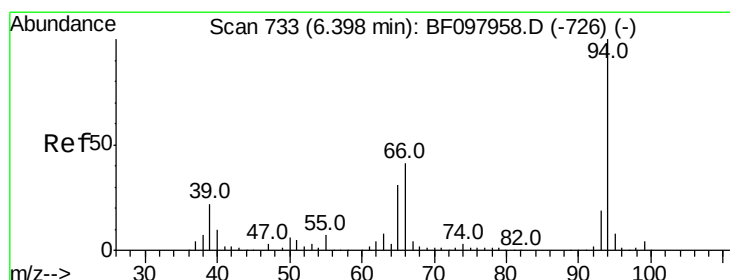
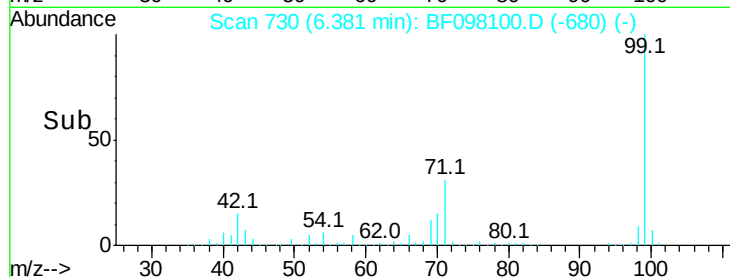
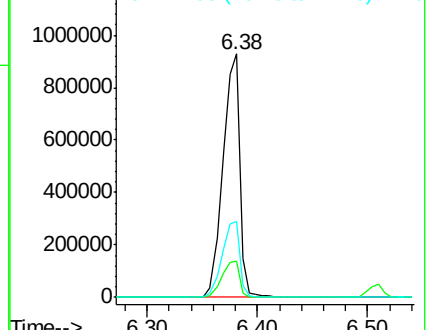
99 100

42 14.6 13.5 20.3

71 31.4 24.5 36.7



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



#10

Phenol

Concen: 2.906 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF098100.D

Acq: 29 Aug 2017 7:30

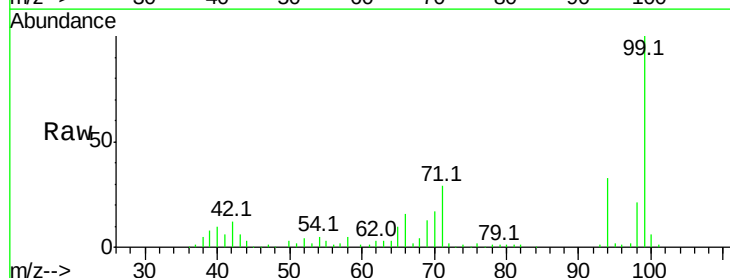
Tgt Ion: 94 Resp: 31244

Ion Ratio Lower Upper

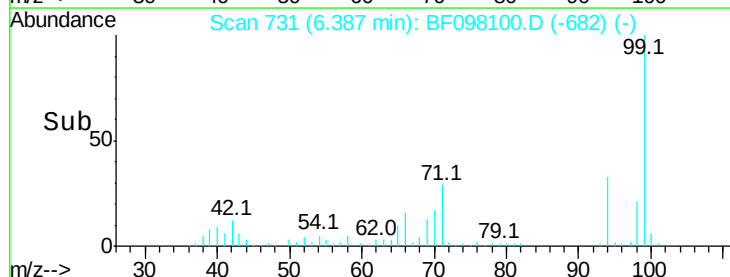
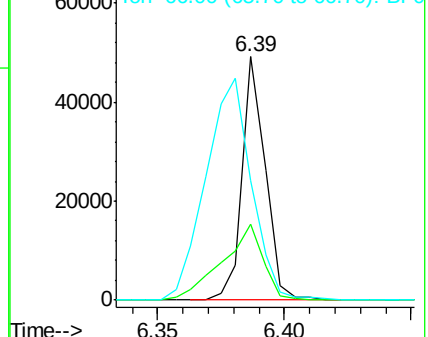
94 100

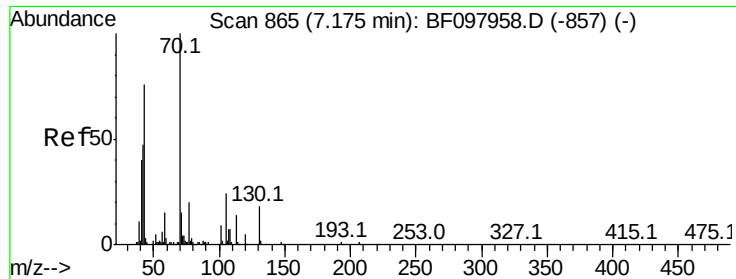
65 31.0 9.9 49.9

66 49.1 23.1 63.1



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: 12.781 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF098100.D

Acq: 29 Aug 2017 7:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 80425

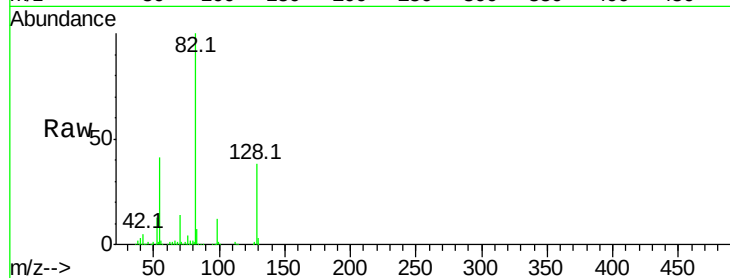
Ion Ratio Lower Upper

70 100

42 38.3 47.2 70.8#

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#

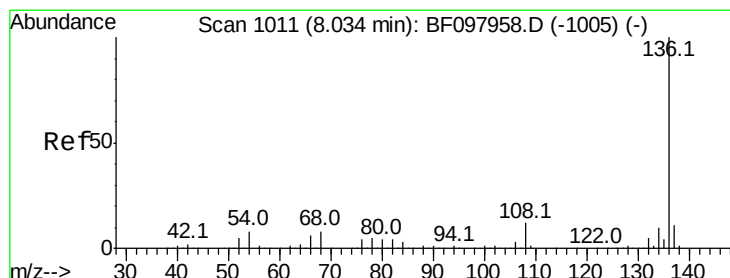
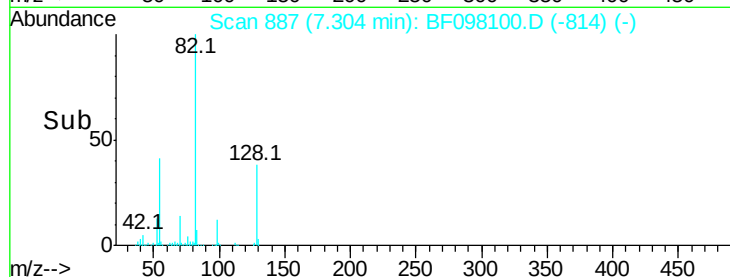
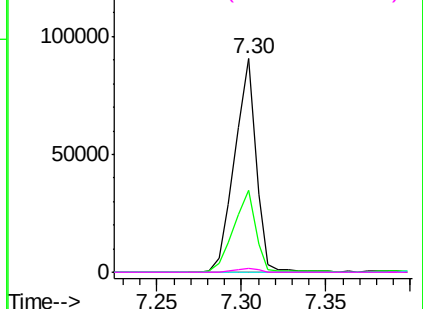


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF098100.D

Acq: 29 Aug 2017 7:30

Tgt Ion: 136 Resp: 400660

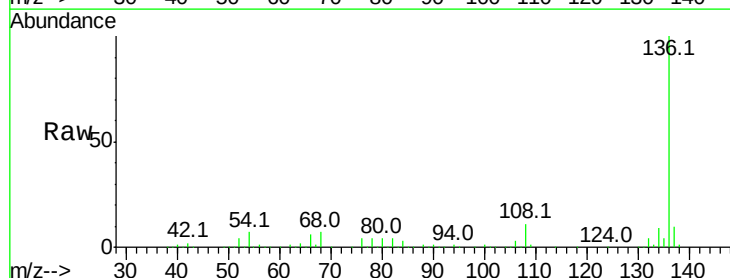
Ion Ratio Lower Upper

136 100

137 10.3 8.5 12.7

54 7.4 4.9 7.3#

68 7.1 4.1 6.1#

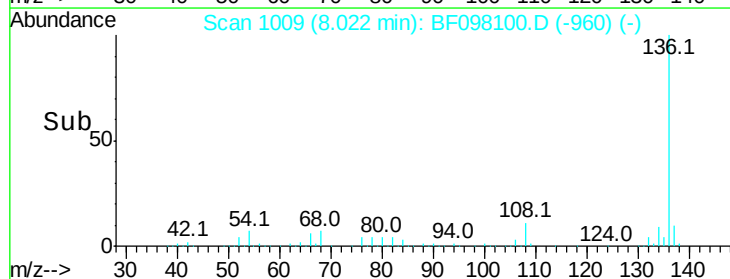
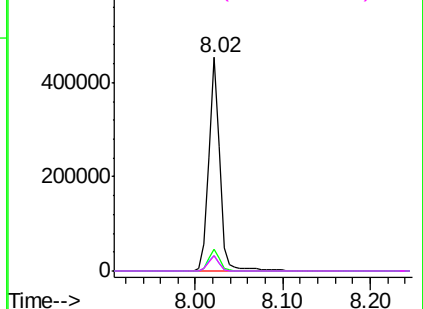


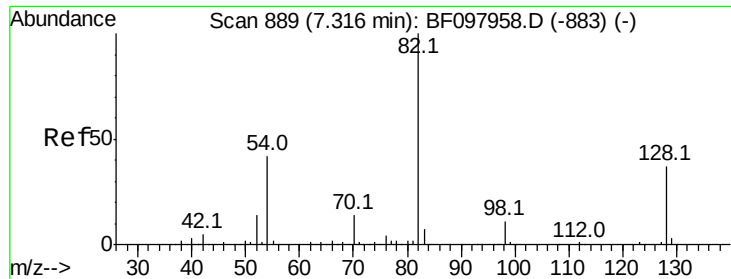
Abundance Ion 136.00 (135.70 to 136.70): E

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

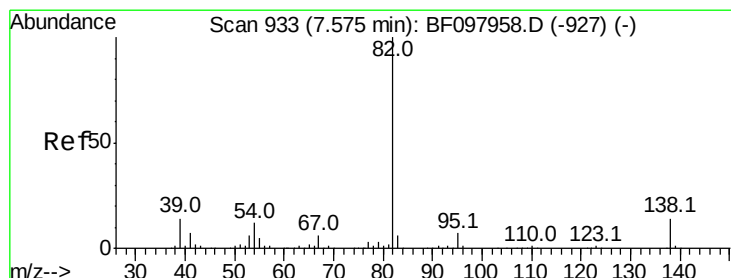
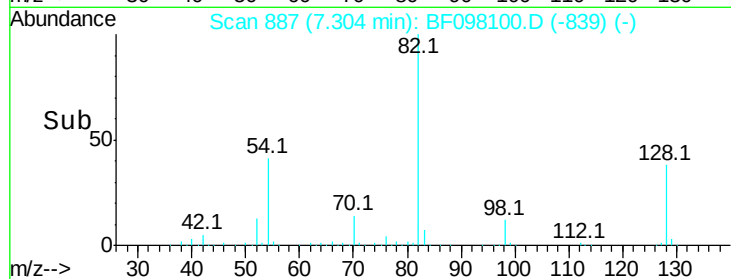
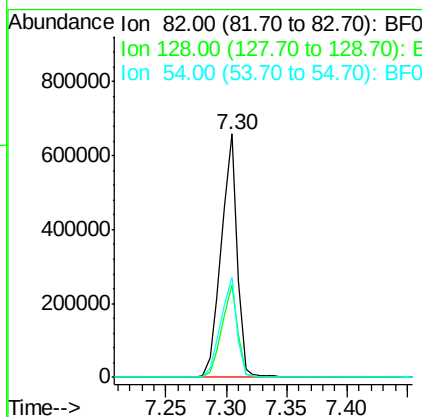
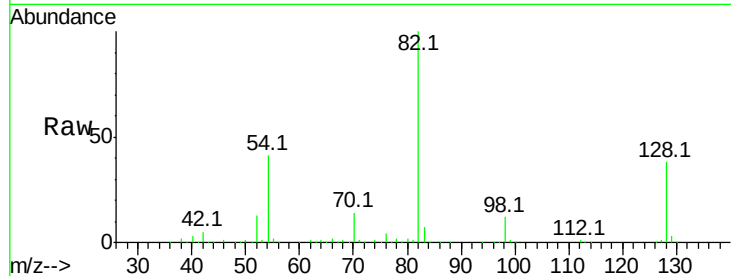




#23
 Nitrobenzene-d5
 Concen: 81.623 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF098100.D
 Acq: 29 Aug 2017 7:30

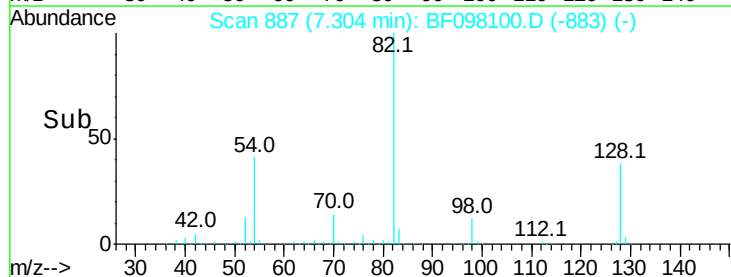
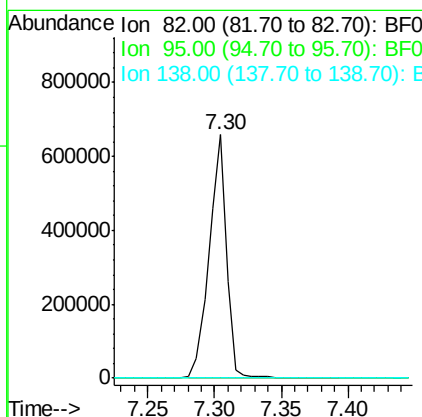
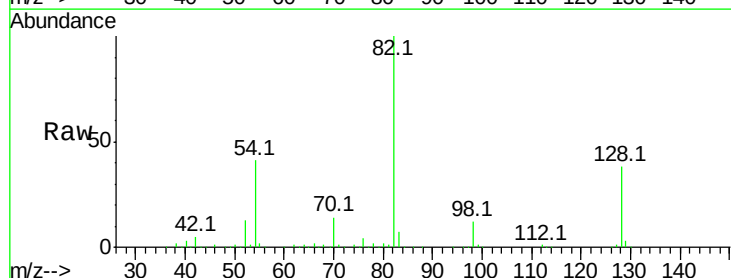
Instrument :
 BNA_F
 ClientSampled :

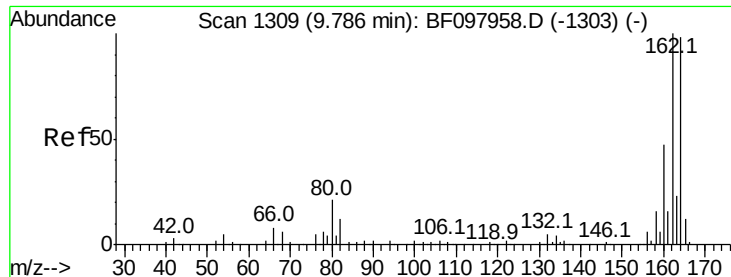
Tot Ion	82	Resp	601993
Ion Ratio	Lower	Upper	
82	100		
128	38.1	34.0	51.0
54	41.1	42.2	63.2#



#25
 Isophorone
 Concen: 38.673 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.28 min
 Lab File: BF098100.D
 Acq: 29 Aug 2017 7:30

Tgt Ion	82	Resp	593093
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

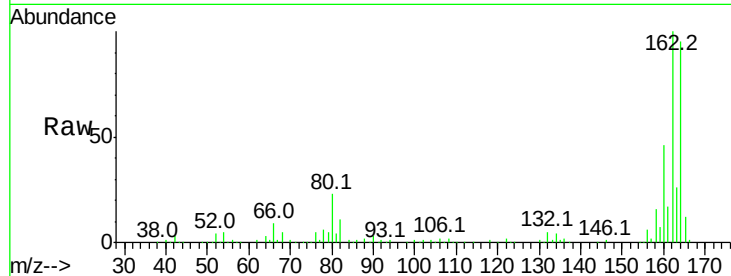




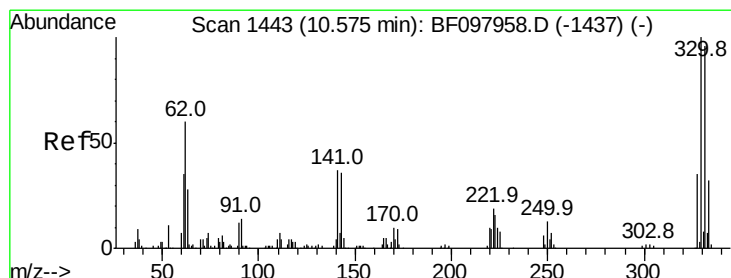
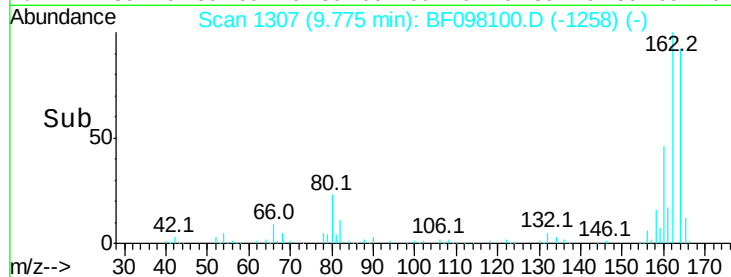
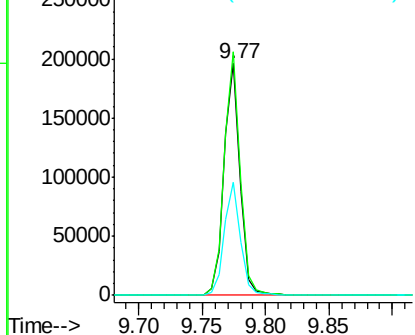
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF098100.D
 Acq: 29 Aug 2017 7:30

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.2	82.6	123.8
160	48.6	36.2	54.2

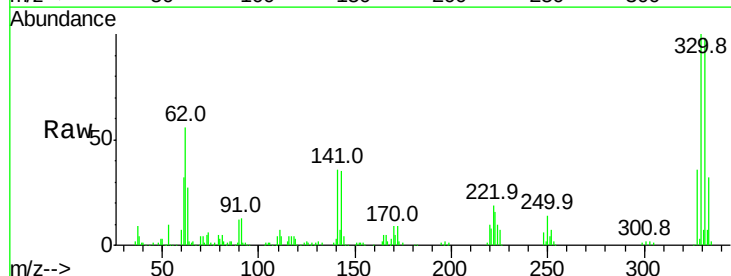


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

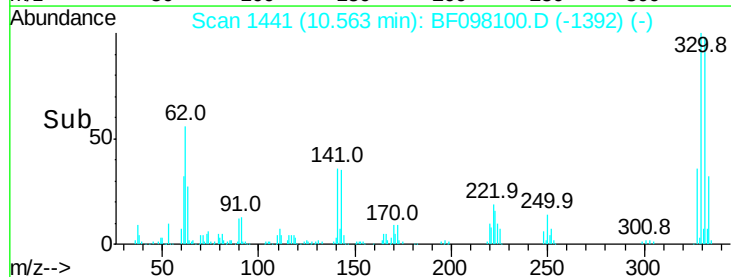
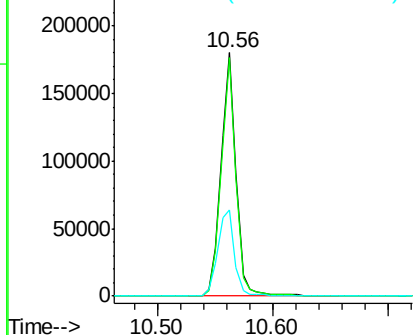


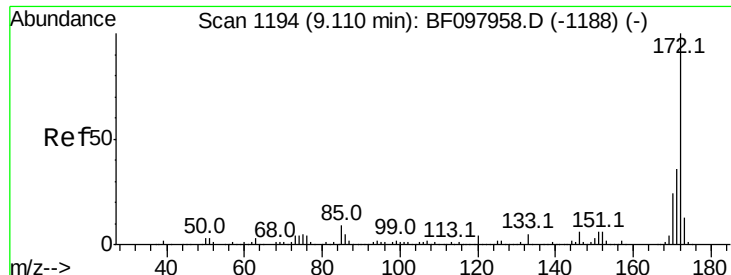
#41
 2,4,6-Tribromophenol
 Concen: 109.841 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098100.D
 Acq: 29 Aug 2017 7:30

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.6	115.0
141	39.2	31.4	47.2



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

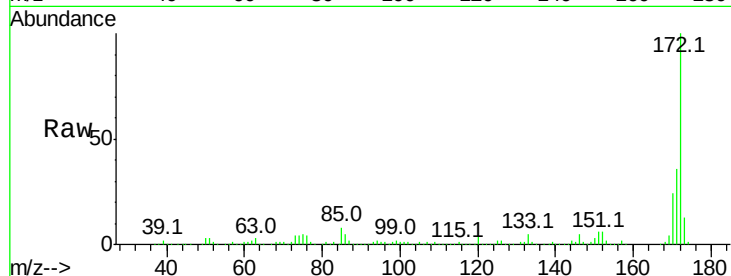




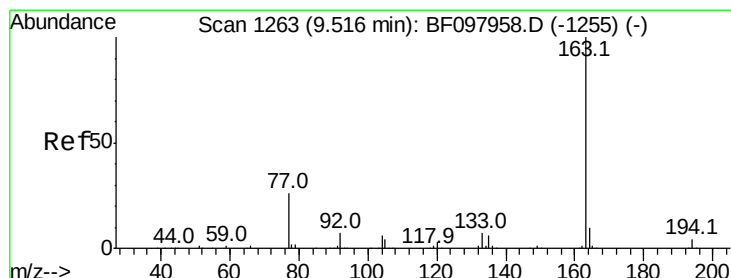
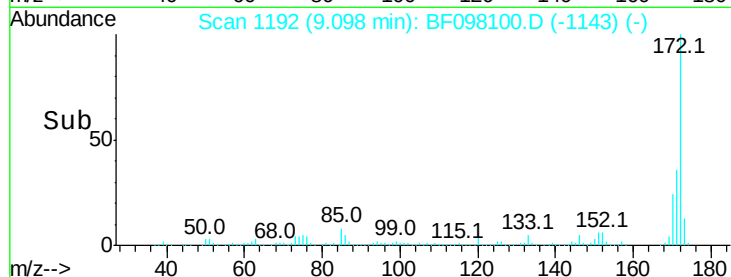
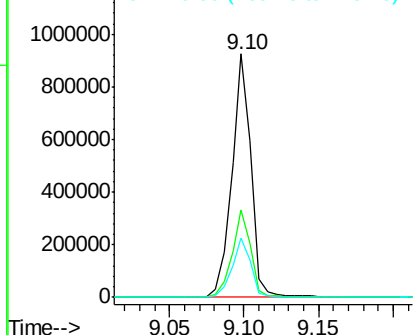
#44
2-Fluorobiphenyl
Concen: 71.435 ng
RT: 9.10 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF098100.D
Acq: 29 Aug 2017 7:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	24.3	19.8	29.8

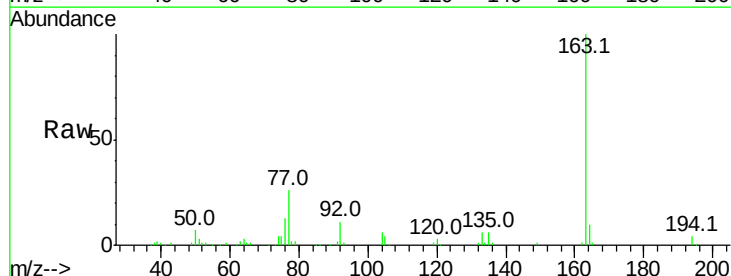


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

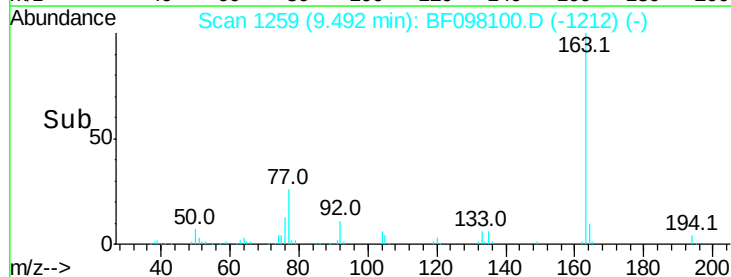
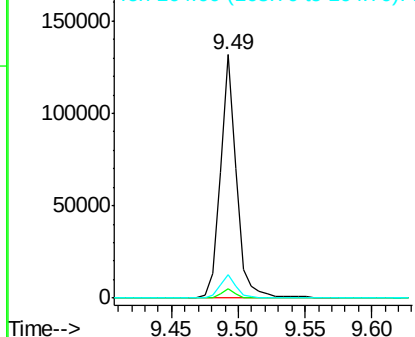


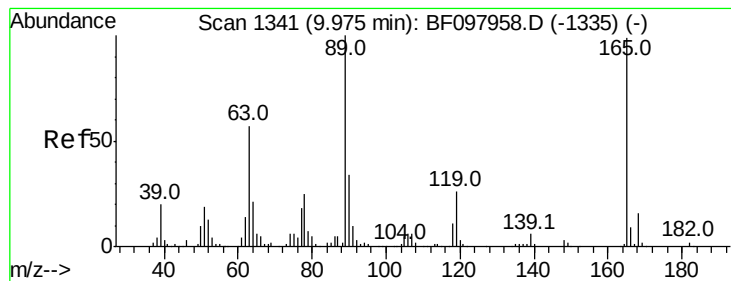
#49
Dimethylphthalate
Concen: 8.920 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF098100.D
Acq: 29 Aug 2017 7:30

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	9.8	8.4	12.6



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: 6.849 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.20 min

Lab File: BF098100.D

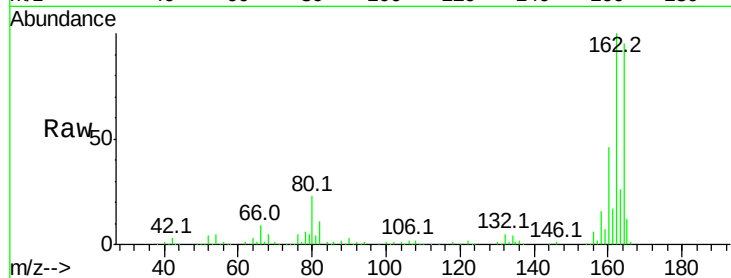
Acq: 29 Aug 2017 7:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	165	Resp:	21617
Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	2.3	46.4	69.6#
182	0.0	1.8	2.6#

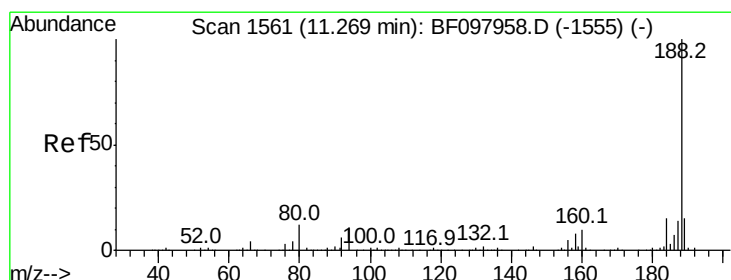
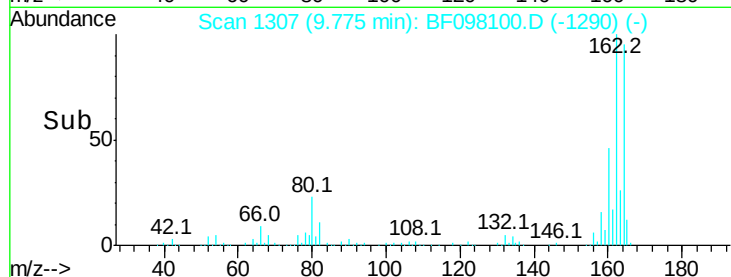
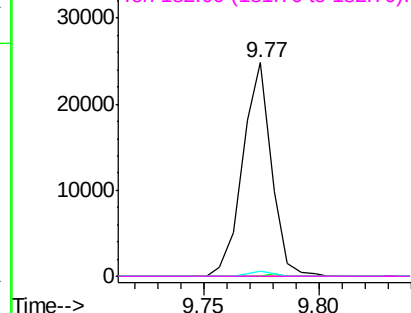


Abundance Ion 165.00 (164.70 to 165.70): E

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

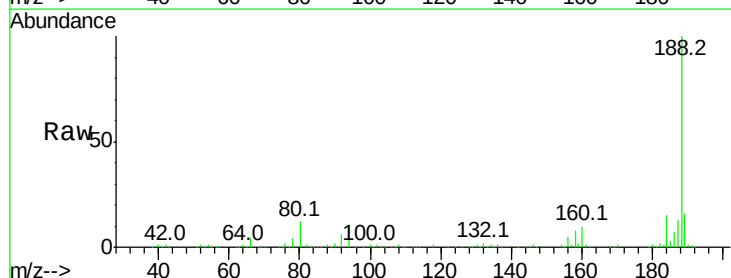
RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF098100.D

Acq: 29 Aug 2017 7:30

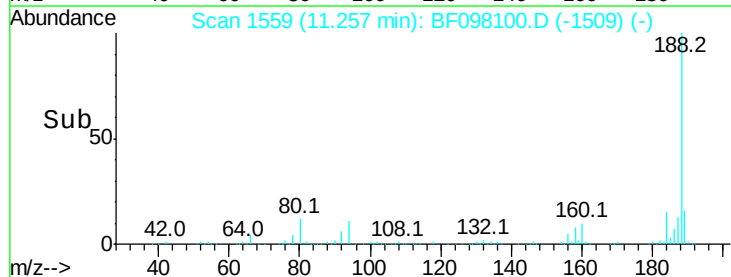
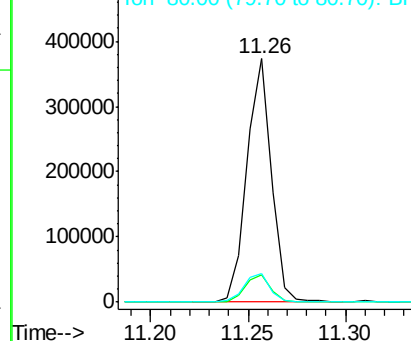
Tgt Ion:	188	Resp:	323836
Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.4	14.2
80	12.0	10.2	15.2

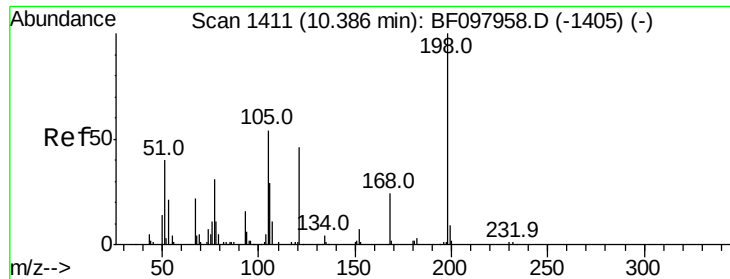


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

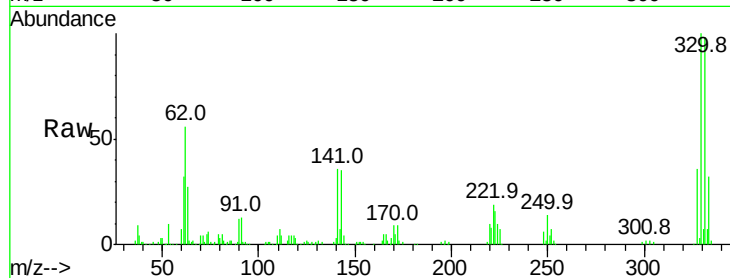




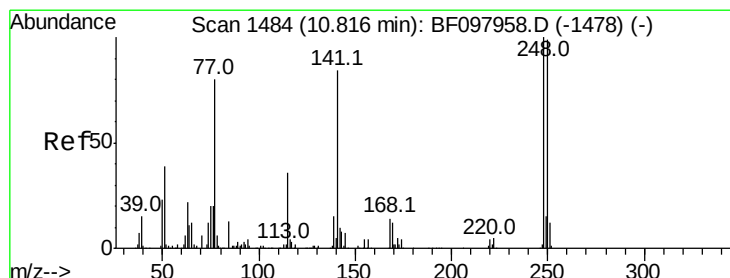
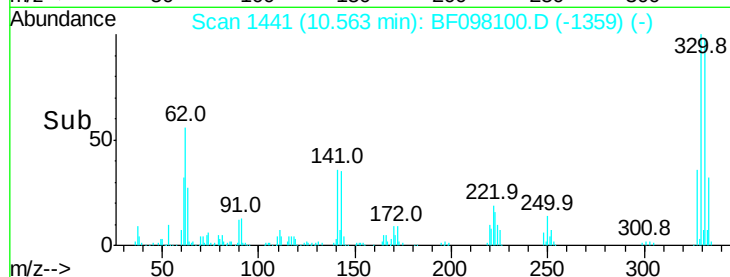
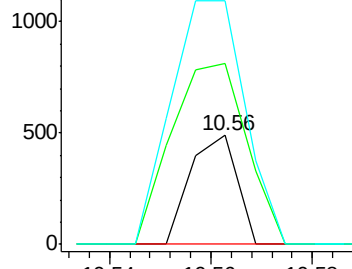
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.490 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. 0.18 min
 Lab File: BF098100.D
 Acq: 29 Aug 2017 7:30

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
198	100		
51	166.4	53.2	93.2#
105	224.2	45.8	85.8#

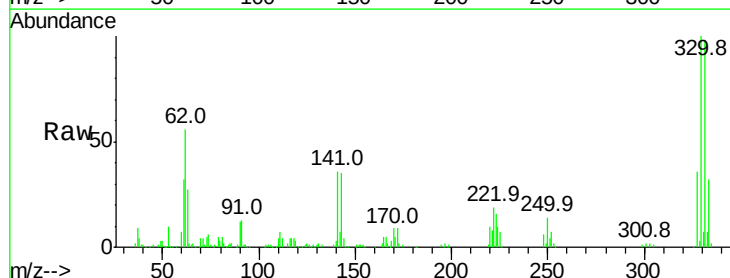


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

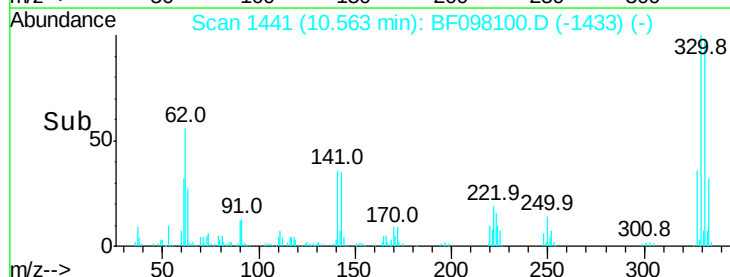
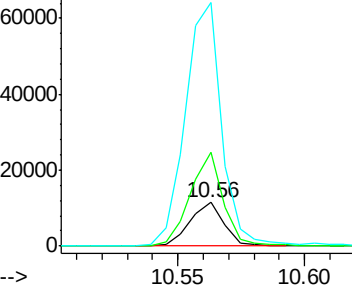


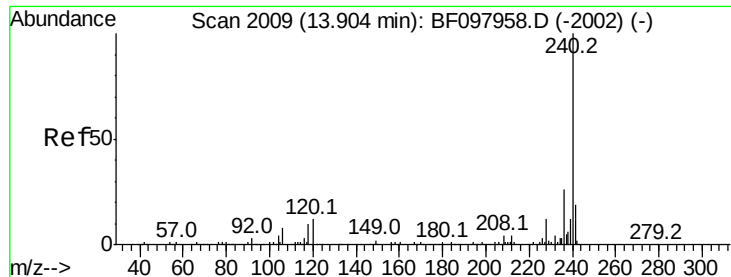
#66
 4-Bromophenyl-phenylether
 Concen: 3.201 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.25 min
 Lab File: BF098100.D
 Acq: 29 Aug 2017 7:30

Tgt Ion	Ratio	Lower	Upper
248	100		
250	213.7	76.8	115.2#
141	556.2	68.6	103.0#



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: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF098100.D

Acq: 29 Aug 2017 7:30

Instrument :

BNA_F

ClientSampleId :

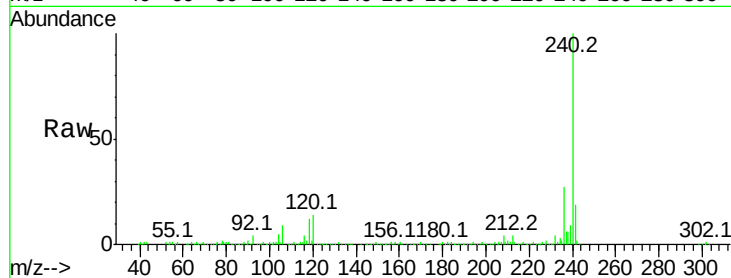
Tot Ion:240 Resp: 265389

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

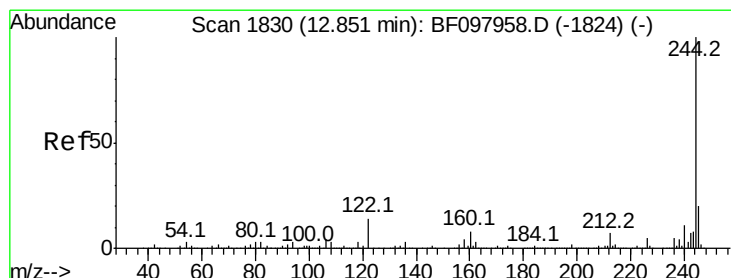
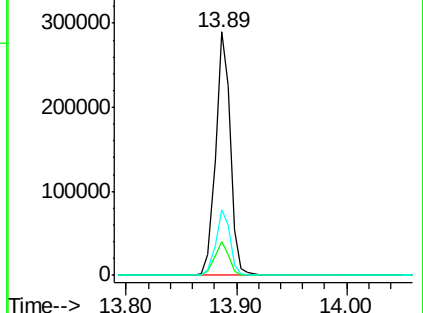
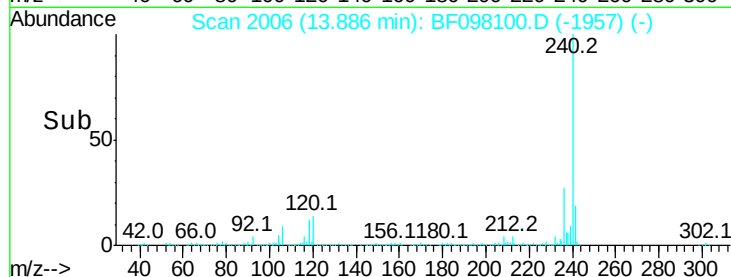
236 26.9 20.5 30.7



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: 52.291 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF098100.D

Acq: 29 Aug 2017 7:30

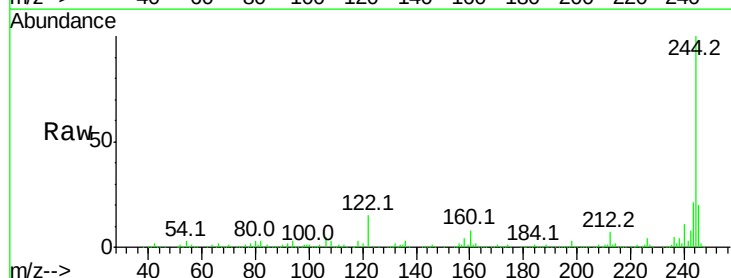
Tgt Ion:244 Resp: 665479

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

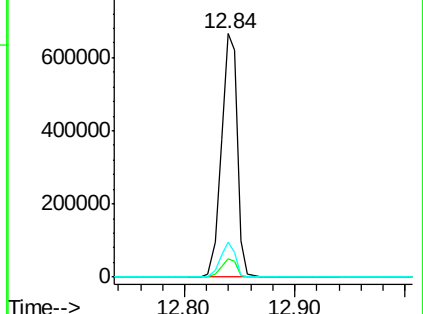
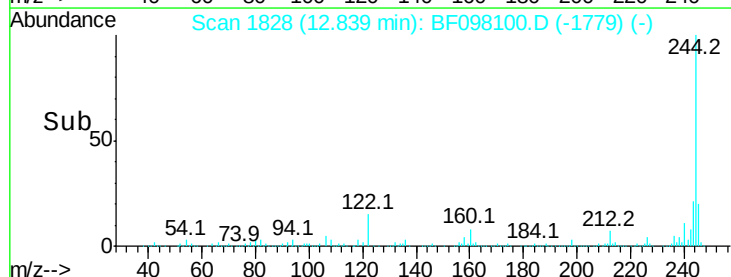
122 14.5 10.3 15.5

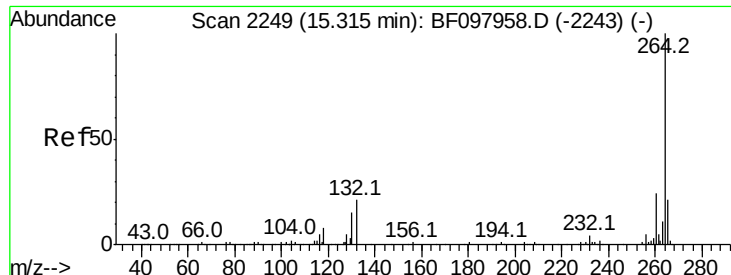


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

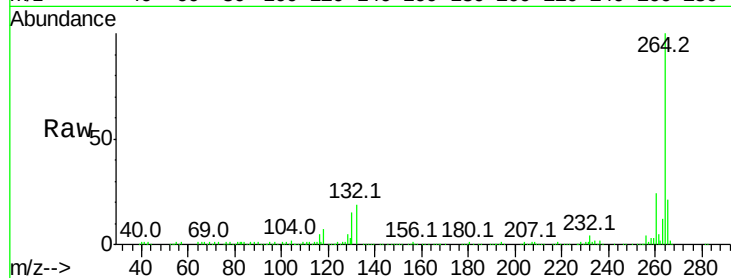




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.00 min
Lab File: BF098100.D
Acq: 29 Aug 2017 7:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.4	17.2	25.8



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

