

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111317\
 Data File : BF100530.D
 Acq On : 14 Nov 2017 7:40
 Operator : SJ/JU
 Sample : I6449-01
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 14 10:28:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 14 02:37:14 2017
 Response via : Initial Calibration

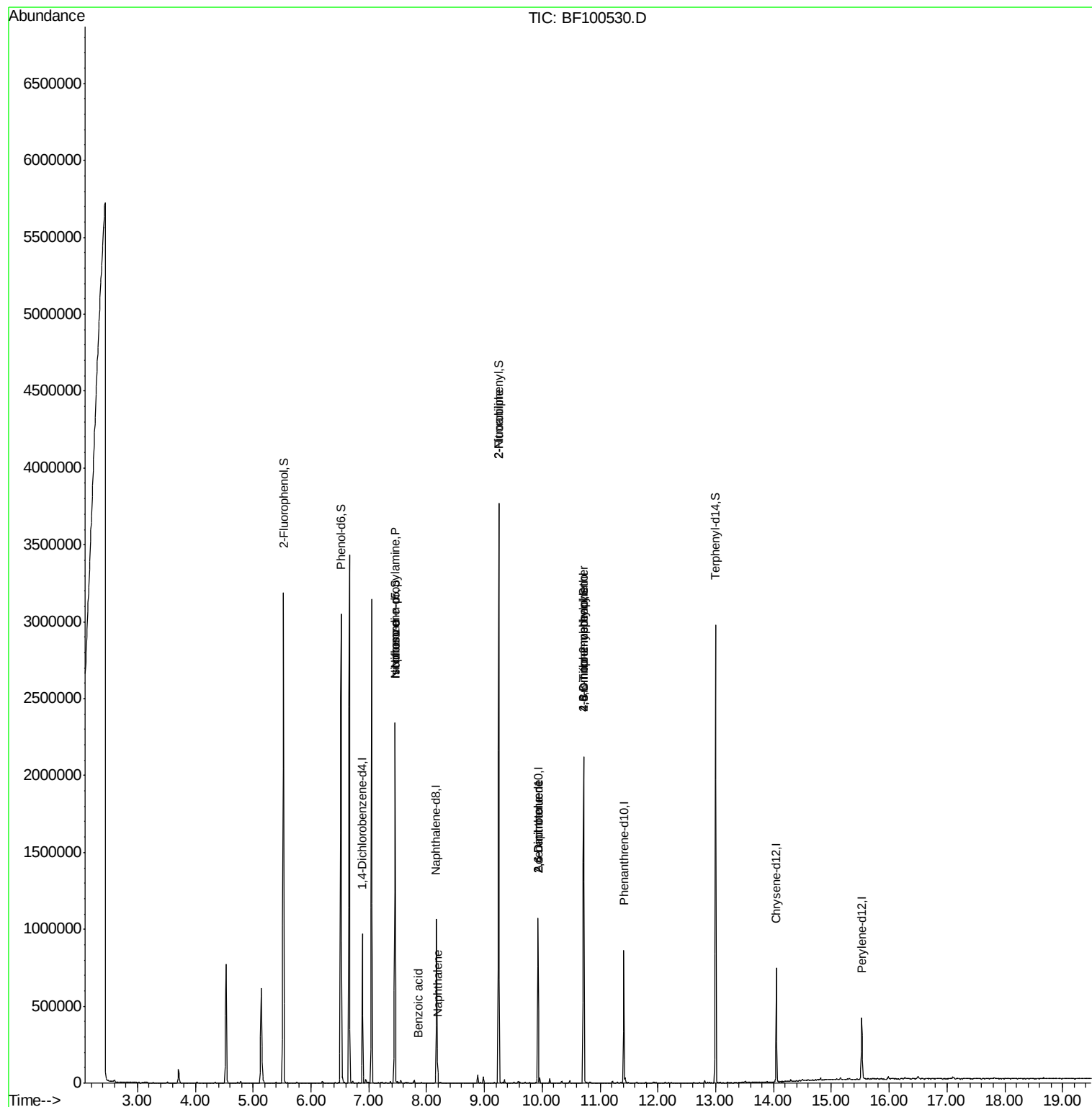
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	131654	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	484622	20.00	ng	-0.02
38) Acenaphthene-d10	9.93	164	196733	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	299134	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	253202	20.00	ng	-0.02
86) Perylene-d12	15.53	264	187654	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1021402	124.36	ng	0.02
7) Phenol-d6	6.52	99	1128595	111.44	ng	0.00
23) Nitrobenzene-d5	7.46	82	832181	113.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	269375	134.37	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1406119	108.83	ng	-0.01
78) Terphenyl-d14	13.00	244	1022120	92.75	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	110569	15.742	ng	# 82
25) Isophorone	7.46	82	832173	54.024	ng	# 64
31) Naphthalene	8.19	128	50845	2.178	ng	# 98
32) Benzoic acid	7.86	122	521	9.450	ng	# 82
47) 2-Nitroaniline	9.25	65	2113	3.330	ng	# 18
50) 2,6-Dinitrotoluene	9.93	165	25182	8.469	ng	# 25
56) 2,4-Dinitrotoluene	9.93	165	25182	6.714	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.72	198	609	8.901	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	17035	5.312	ng	# 1

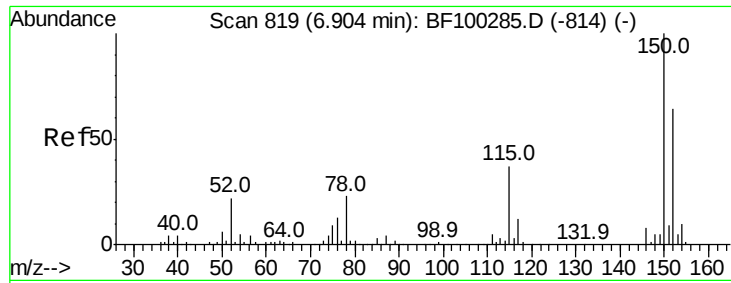
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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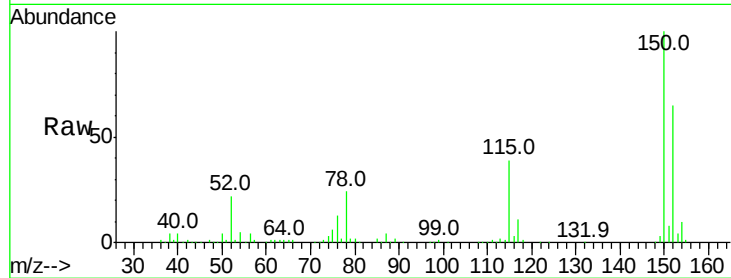


#1

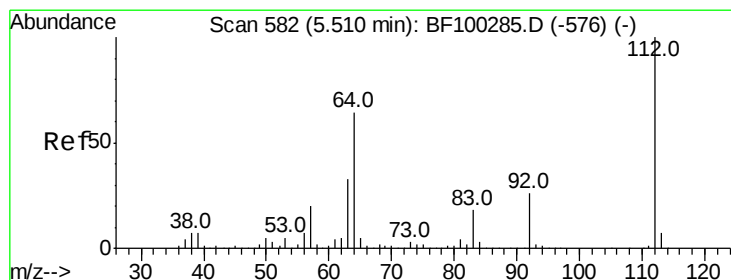
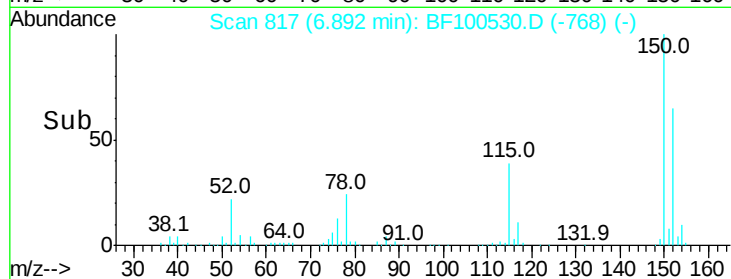
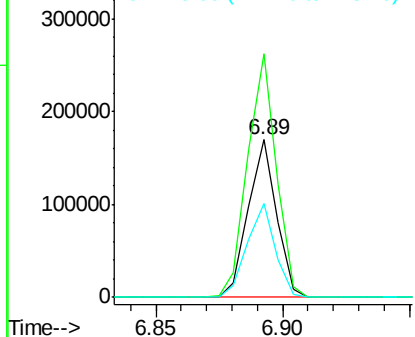
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF100530.D
Acq: 14 Nov 2017 7:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 131654
Ion Ratio Lower Upper
152 100
150 154.8 124.6 186.8
115 59.6 50.1 75.1



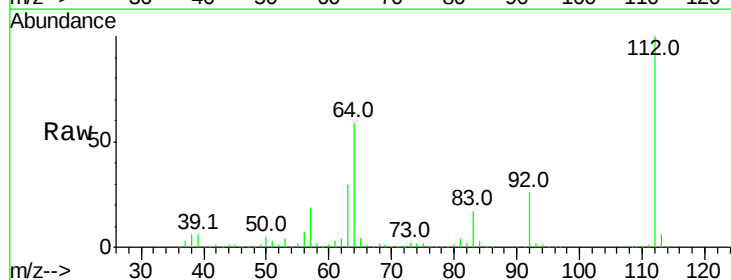
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



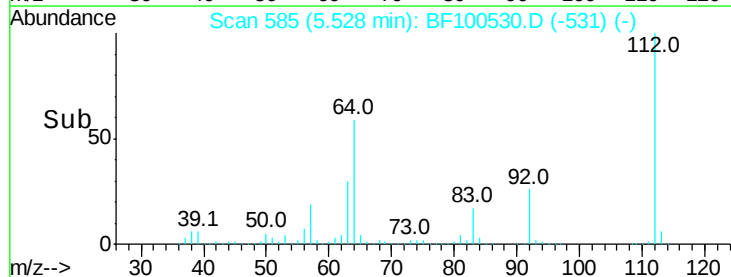
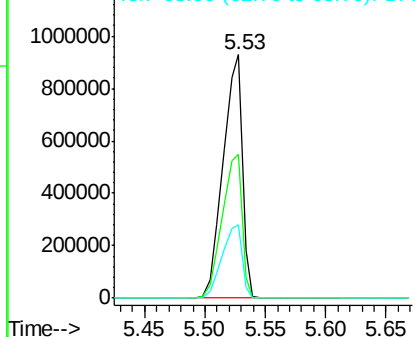
#5

2-Fluorophenol
Concen: 124.363 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.02 min
Lab File: BF100530.D
Acq: 14 Nov 2017 7:40

Tgt Ion:112 Resp: 1021402
Ion Ratio Lower Upper
112 100
64 59.1 47.9 71.9
63 30.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 111.436 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF100530.D

Acq: 14 Nov 2017 7:40

Instrument :

BNA_F

ClientSampled :

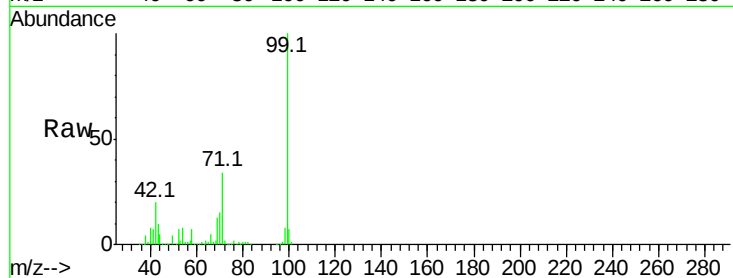
Tot Ion: 99 Resp: 1128595

Ion Ratio Lower Upper

99 100

42 20.0 14.5 21.7

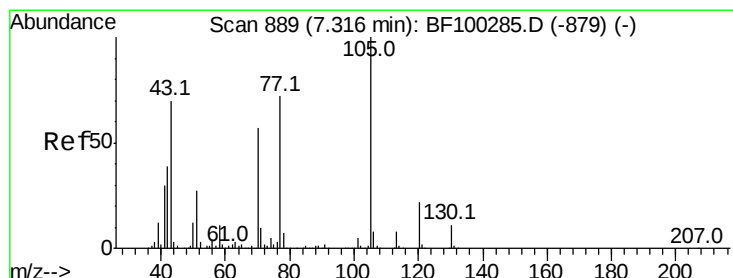
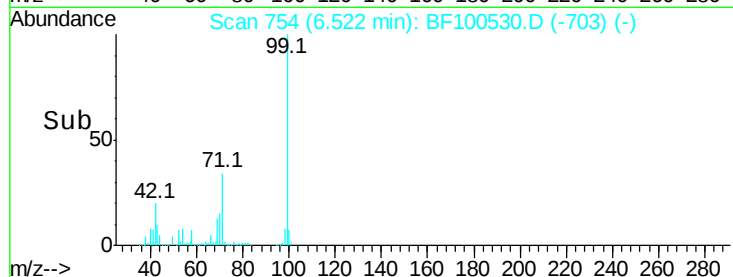
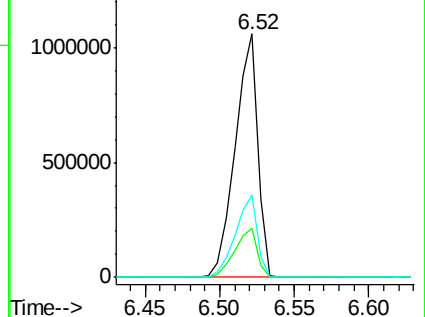
71 33.6 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 15.742 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.14 min

Lab File: BF100530.D

Acq: 14 Nov 2017 7:40

Tgt Ion: 70 Resp: 110569

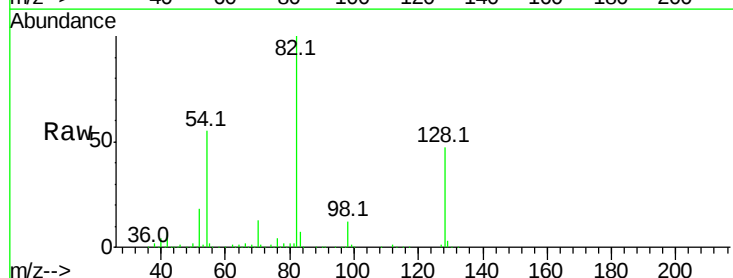
Ion Ratio Lower Upper

70 100

42 52.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

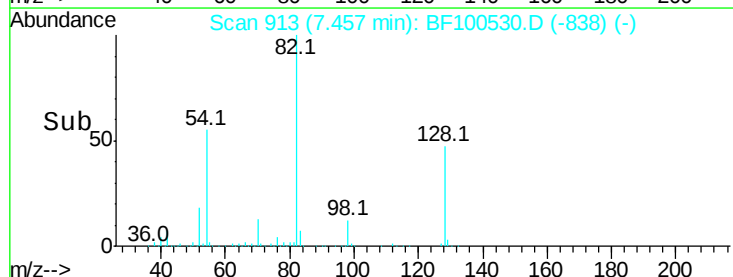
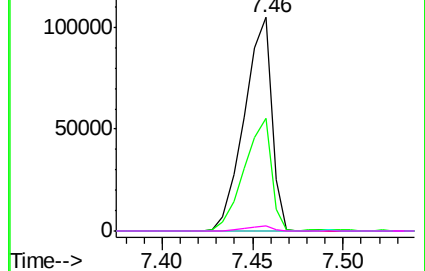


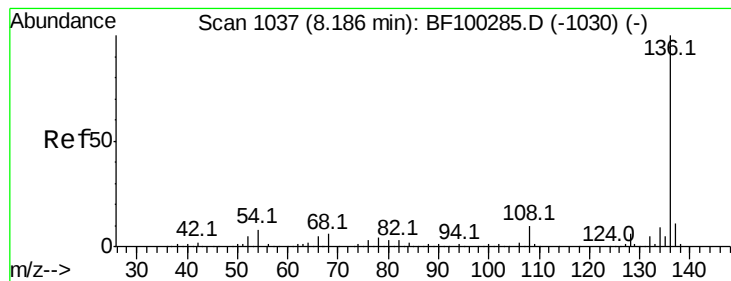
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF100530.D

Acq: 14 Nov 2017 7:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 484622

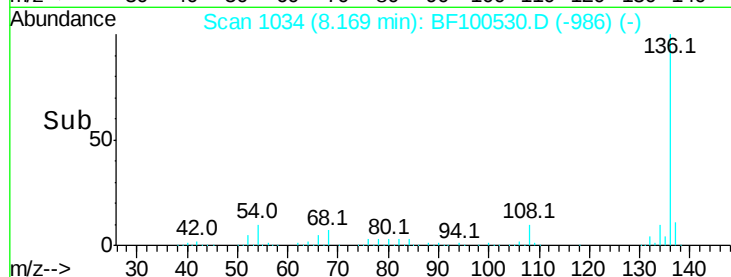
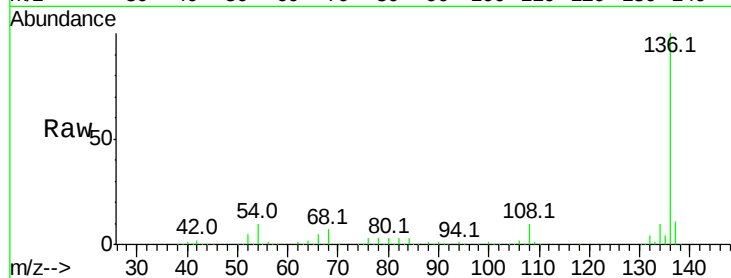
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.6 6.6 9.8

68 6.8 5.0 7.4

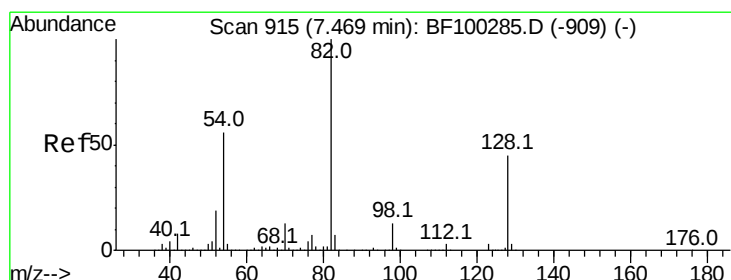
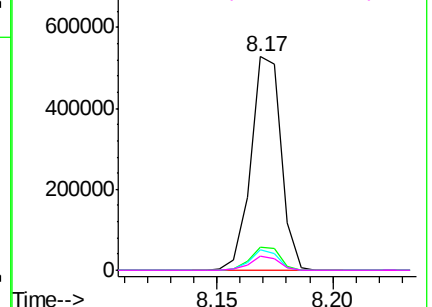


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 113.528 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF100530.D

Acq: 14 Nov 2017 7:40

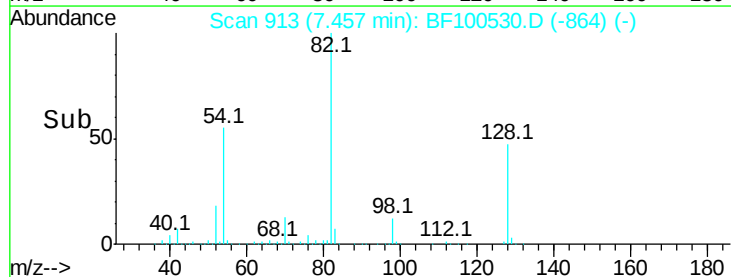
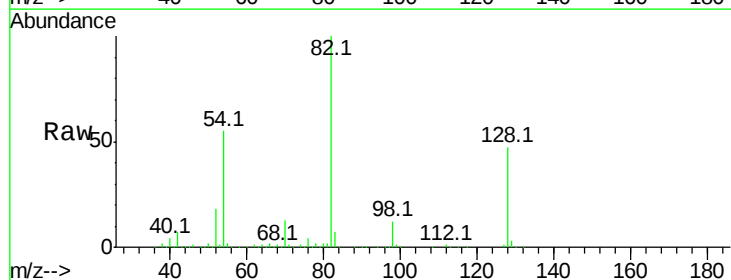
Tgt Ion: 82 Resp: 832181

Ion Ratio Lower Upper

82 100

128 47.1 36.1 54.1

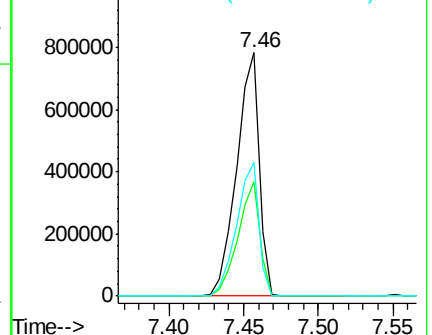
54 54.8 41.4 62.2

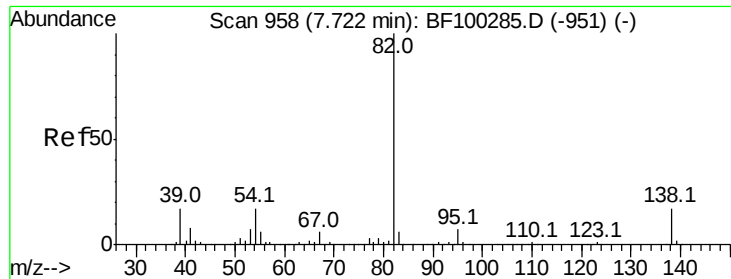


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

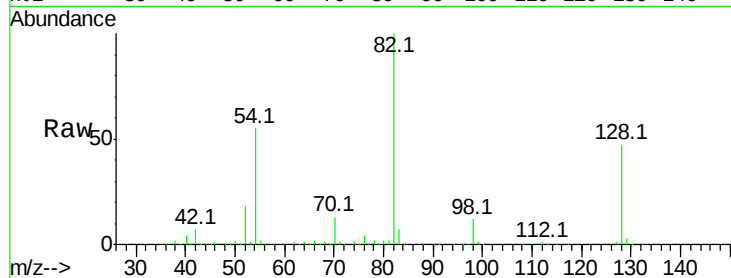




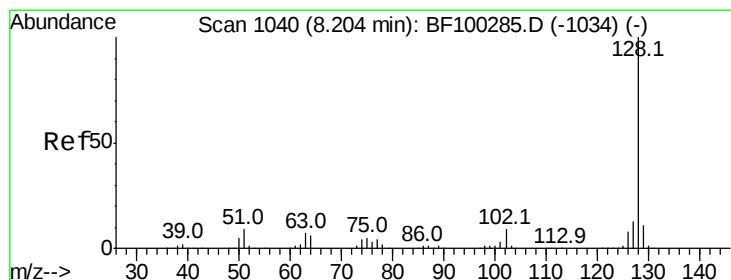
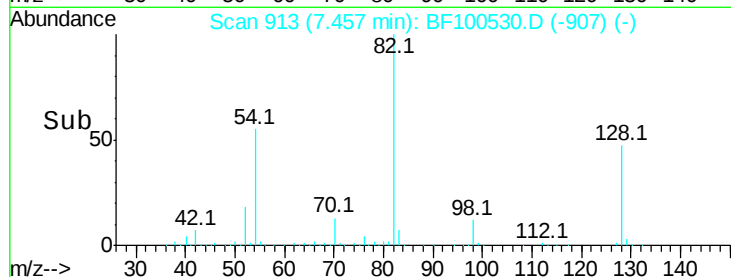
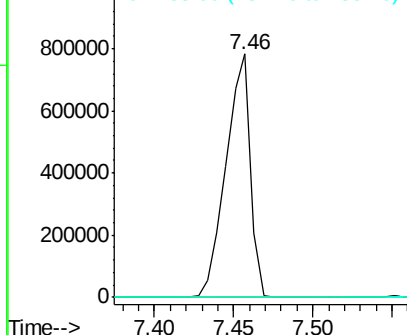
#25
Isophorone
Concen: 54.024 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.26 min
Lab File: BF100530.D
Acq: 14 Nov 2017 7:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 832173
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

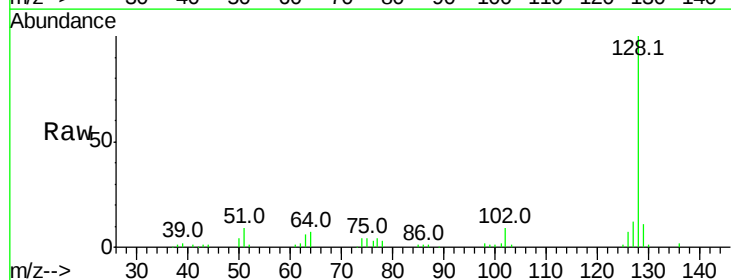


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

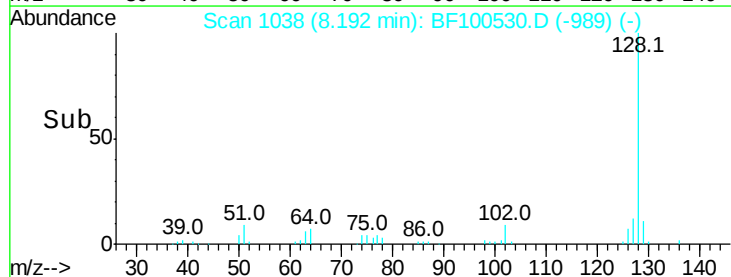
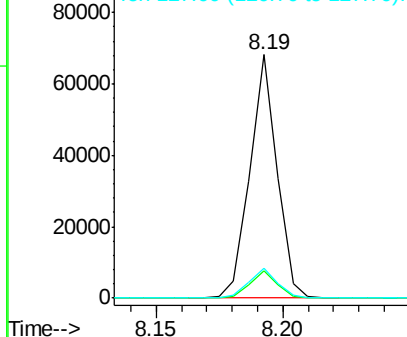


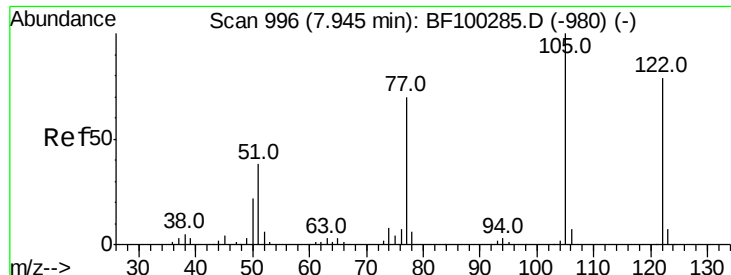
#31
Naphthalene
Concen: 2.178 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF100530.D
Acq: 14 Nov 2017 7:40

Tgt Ion: 128 Resp: 50845
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 12.3 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 9.450 ng

RT: 7.86 min Scan# 982

Delta R.T. -0.08 min

Lab File: BF100530.D

Acq: 14 Nov 2017 7:40

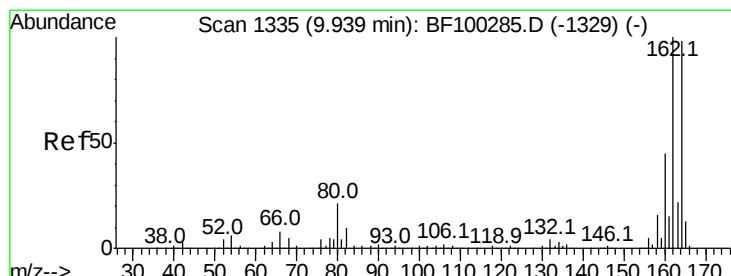
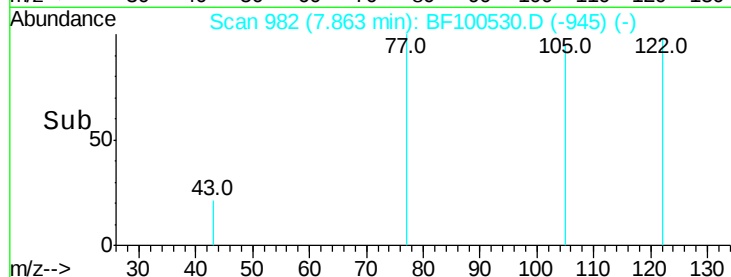
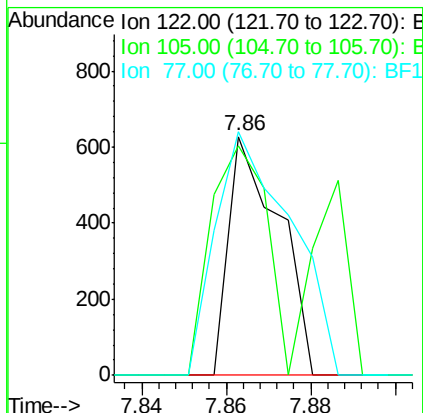
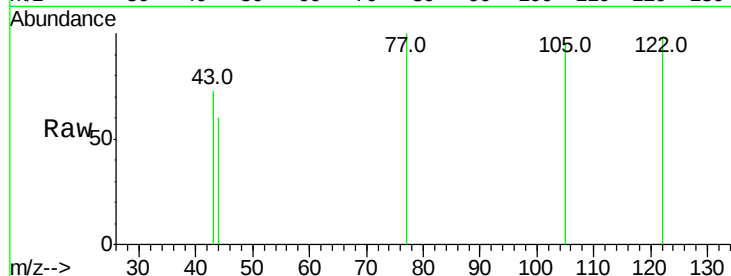
Instrument :

BNA_F

ClientSampleId :

Tot Ion:122 Resp: 521

Ion	Ratio	Lower	Upper
122	100		
105	96.5	101.1	141.1#
77	102.1	70.7	110.7



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

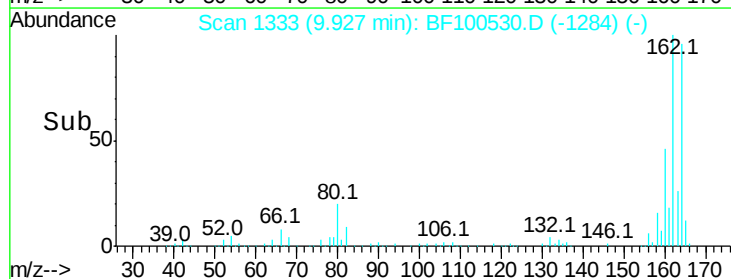
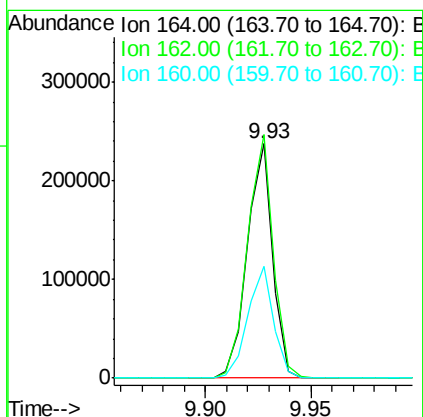
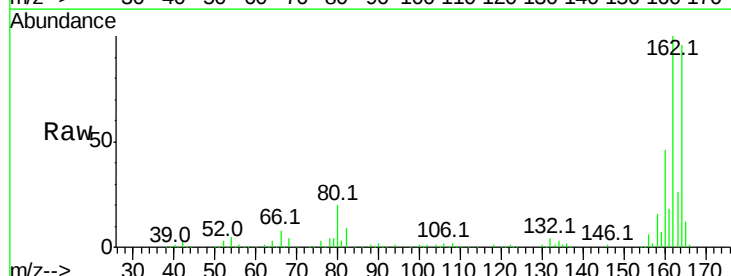
Delta R.T. -0.01 min

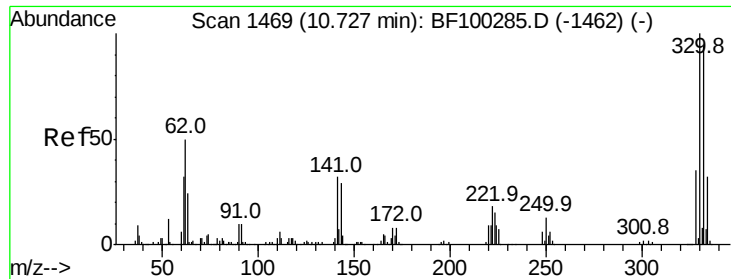
Lab File: BF100530.D

Acq: 14 Nov 2017 7:40

Tgt Ion:164 Resp: 196733

Ion	Ratio	Lower	Upper
164	100		
162	104.0	86.1	129.1
160	47.8	38.3	57.5

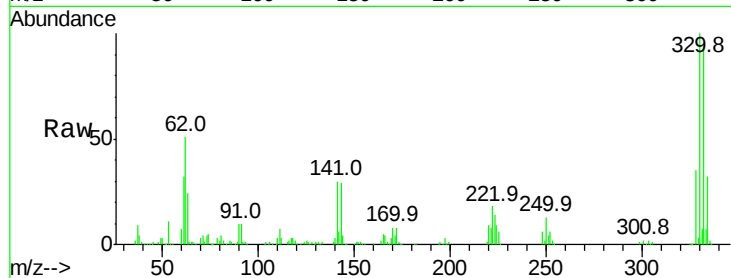




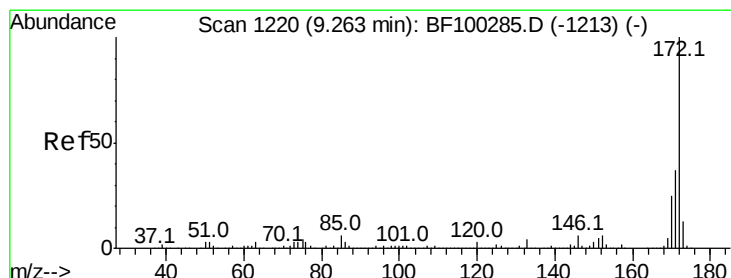
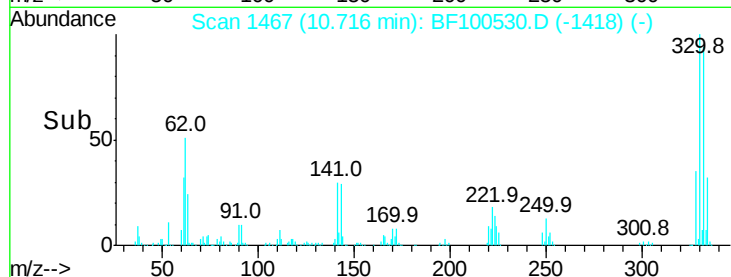
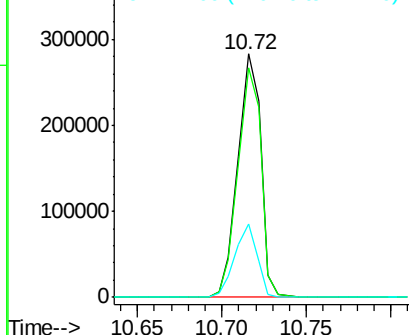
#41
 2,4,6-Tribromophenol
 Concen: 134.371 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF100530.D
 Acq: 14 Nov 2017 7:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	29.3	29.9	44.9#

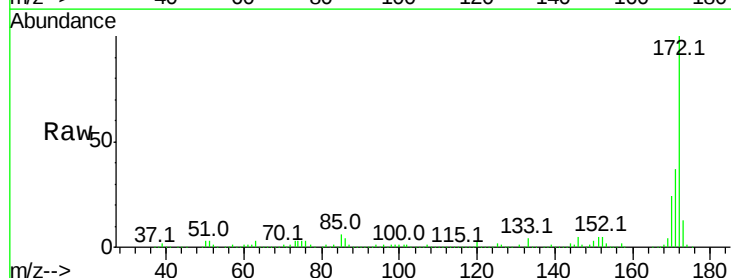


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

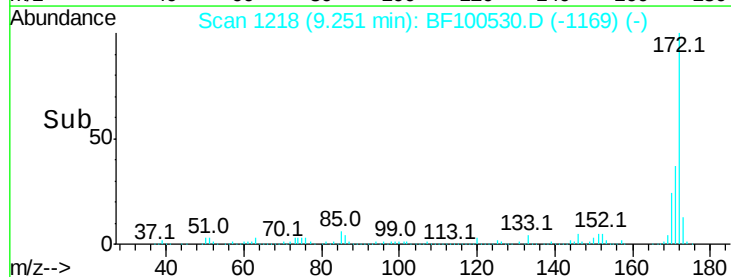
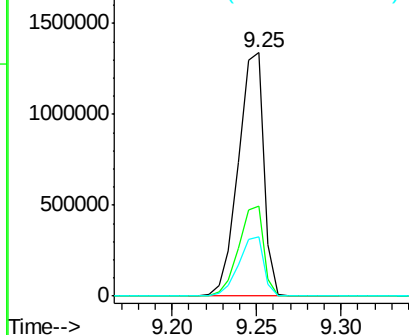


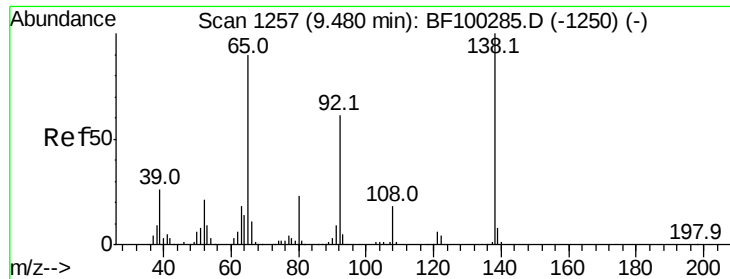
#44
 2-Fluorobiphenyl
 Concen: 108.833 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF100530.D
 Acq: 14 Nov 2017 7:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	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





#47

2-Nitroaniline

Concen: 3.330 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.24 min

Lab File: BF100530.D

Acq: 14 Nov 2017 7:40

Instrument :

BNA_F

ClientSampled :

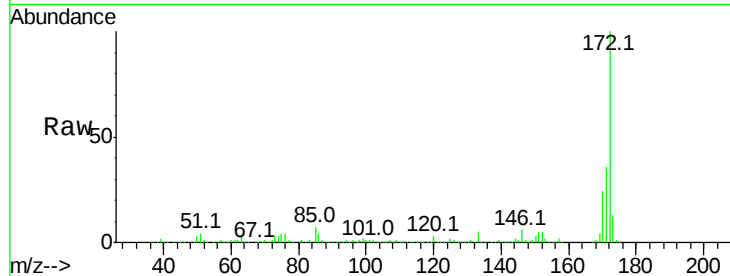
Tot Ion: 65 Resp: 2113

Ion Ratio Lower Upper

65 100

92 160.7 55.8 83.6#

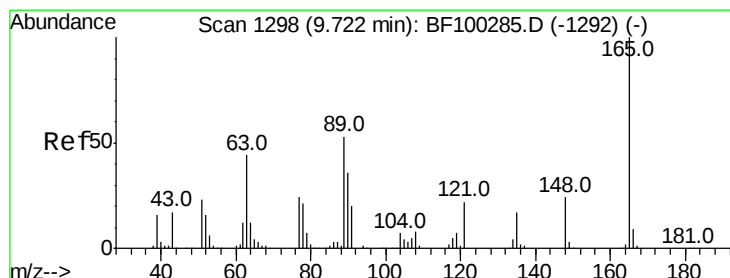
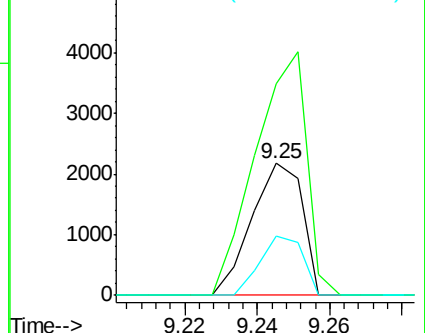
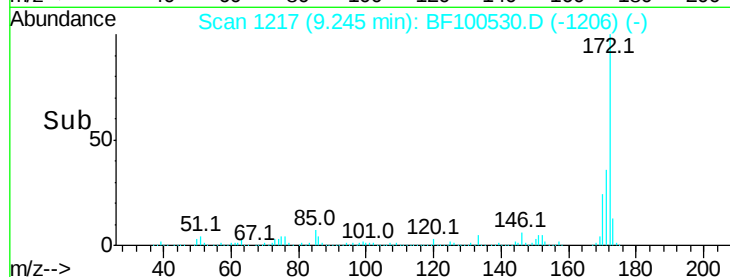
138 45.2 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#50

2,6-Dinitrotoluene

Concen: 8.469 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.21 min

Lab File: BF100530.D

Acq: 14 Nov 2017 7:40

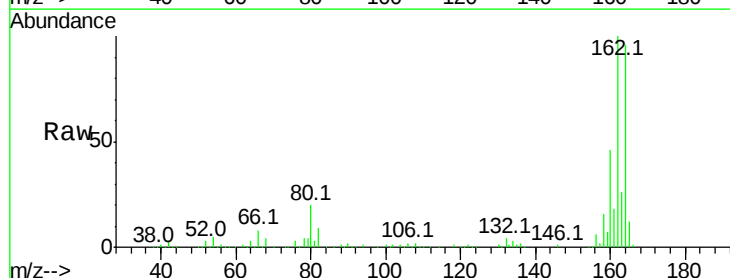
Tgt Ion:165 Resp: 25182

Ion Ratio Lower Upper

165 100

63 1.0 44.7 67.1#

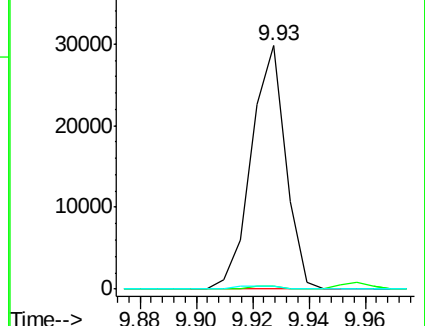
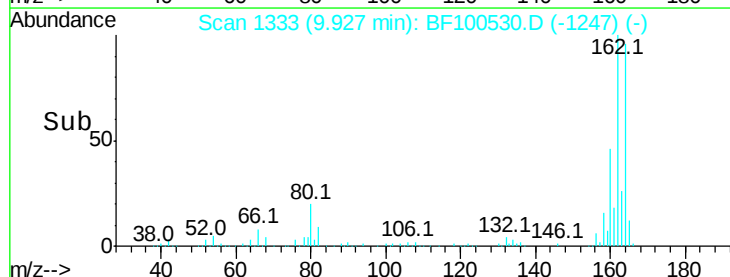
89 1.4 44.0 66.0#

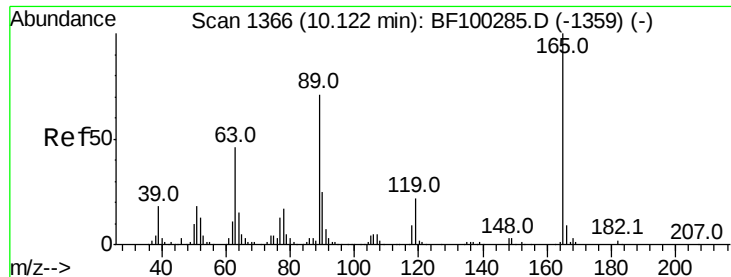


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

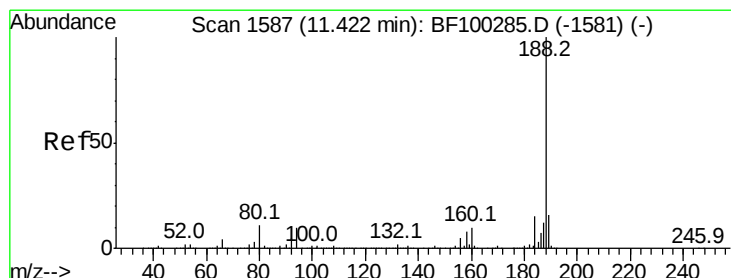
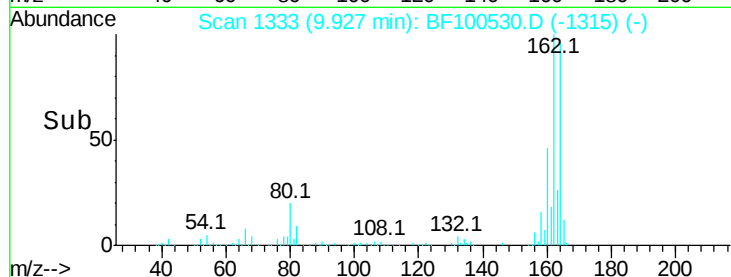
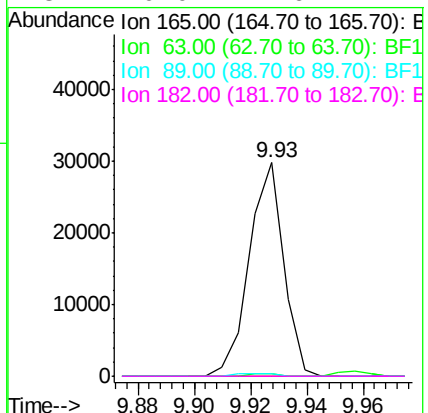
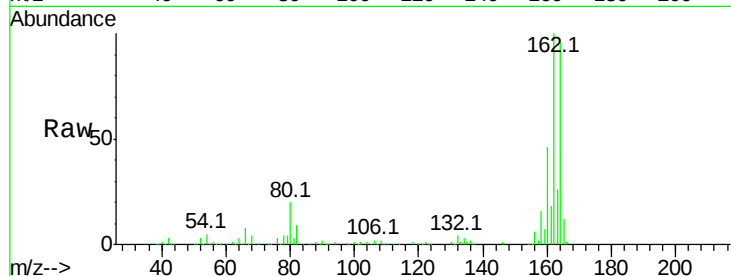




#56
 2,4-Dinitrotoluene
 Concen: 6.714 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF100530.D
 Acq: 14 Nov 2017 7:40

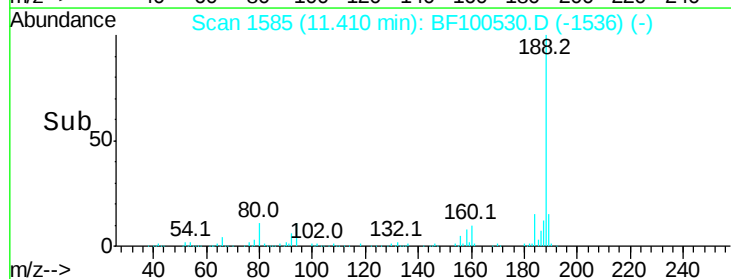
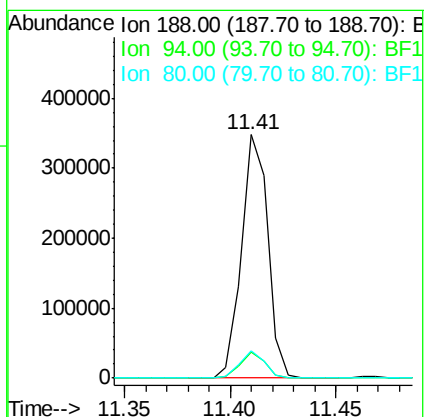
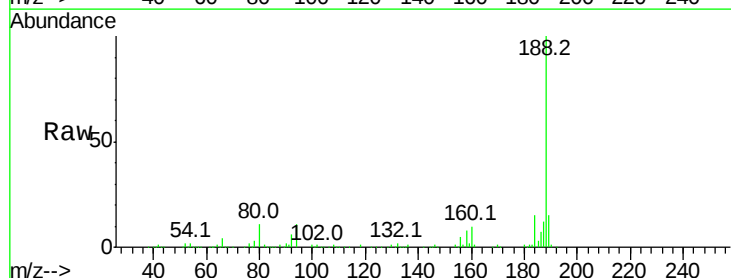
Instrument :
 BNA_F
 ClientSampleId :

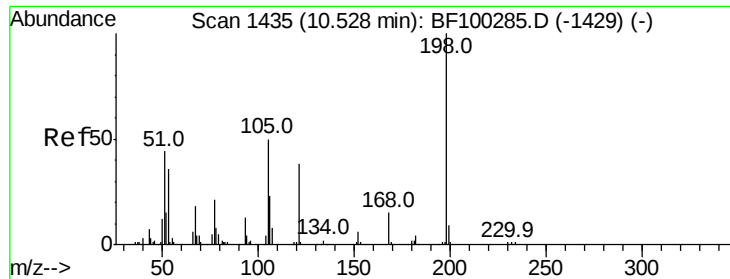
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF100530.D
 Acq: 14 Nov 2017 7:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.5	12.7
80	11.5	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 8.901 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.19 min

Lab File: BF100530.D

Acq: 14 Nov 2017 7:40

Instrument :

BNA_F

ClientSampleId :

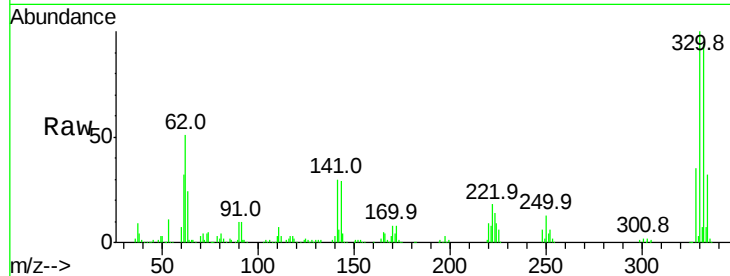
Tot Ion:198 Resp: 609

Ion Ratio Lower Upper

198 100

51 201.2 37.7 77.7#

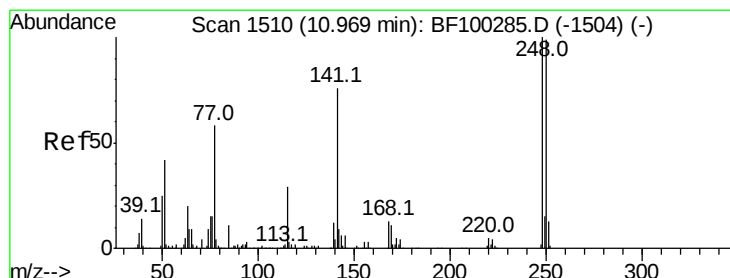
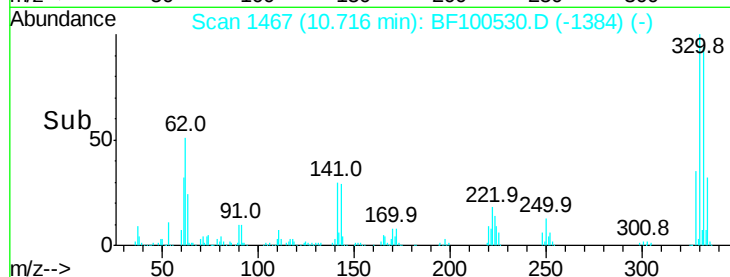
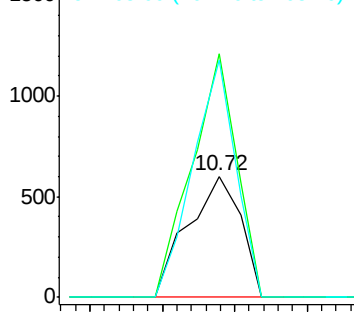
105 196.5 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 5.312 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.25 min

Lab File: BF100530.D

Acq: 14 Nov 2017 7:40

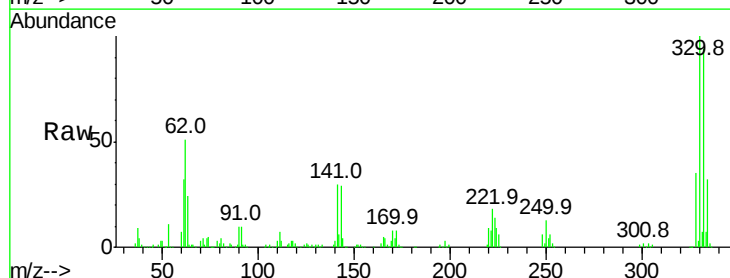
Tgt Ion:248 Resp: 17035

Ion Ratio Lower Upper

248 100

250 194.9 76.9 115.3#

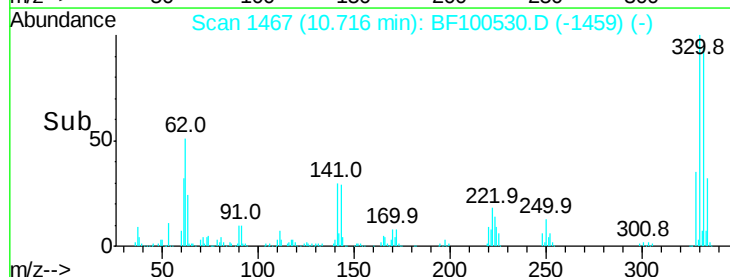
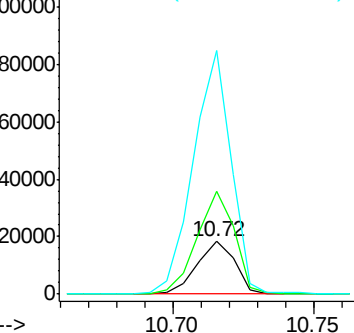
141 461.1 74.4 111.6#

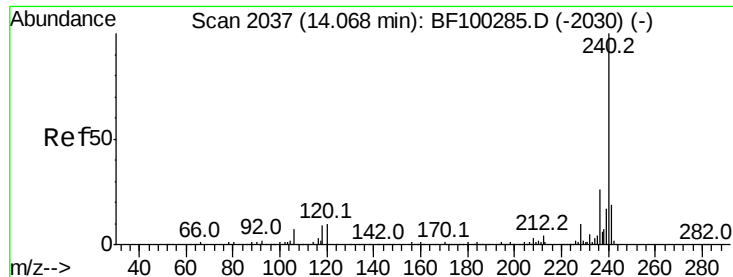


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.05 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF100530.D

Acq: 14 Nov 2017 7:40

Instrument :

BNA_F

ClientSampleId :

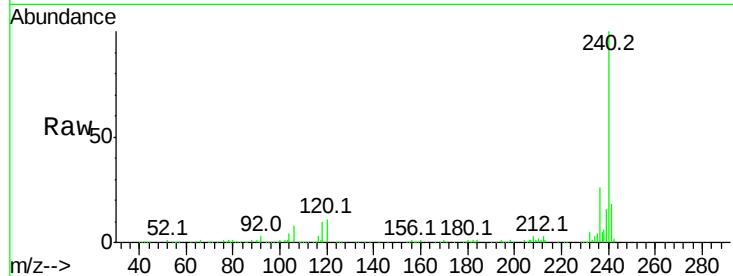
Tot Ion:240 Resp: 253202

Ion Ratio Lower Upper

240 100

120 10.8 9.5 14.3

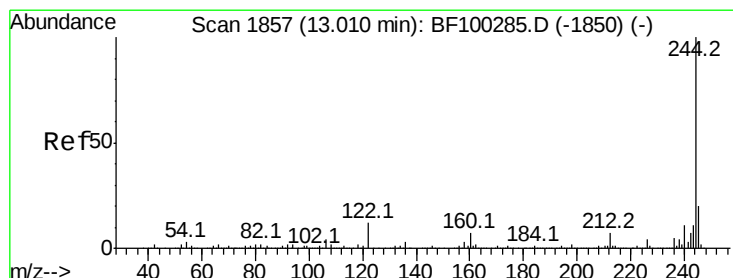
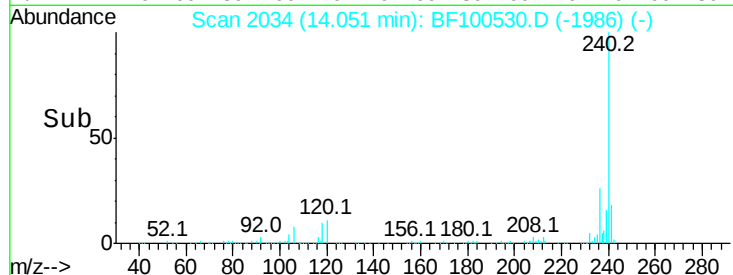
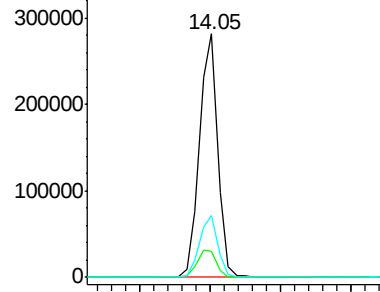
236 25.5 20.7 31.1



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: 92.753 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF100530.D

Acq: 14 Nov 2017 7:40

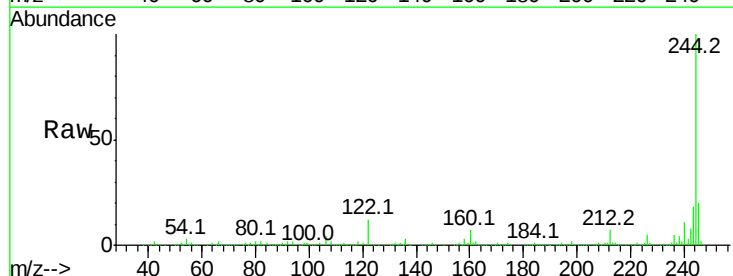
Tgt Ion:244 Resp: 1022120

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

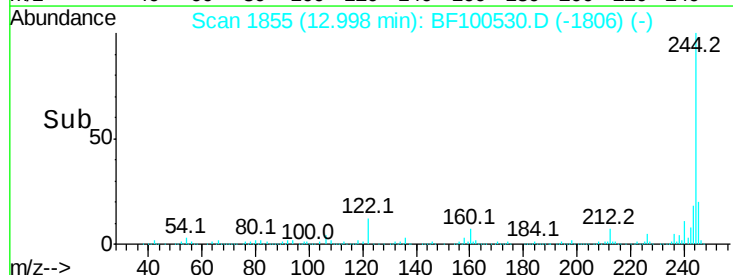
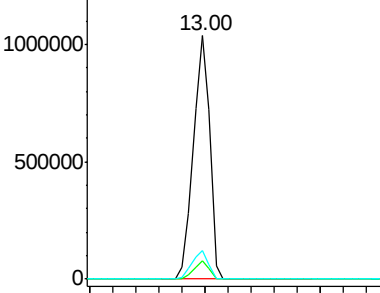
122 11.6 11.0 16.4

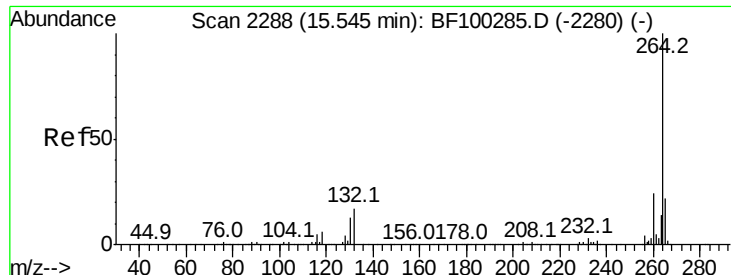


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.53 min Scan# 2285
 Delta R.T. -0.02 min
 Lab File: BF100530.D
 Acq: 14 Nov 2017 7:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	187654
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.3	17.5	26.3

