

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
 Data File : BF100800.D
 Acq On : 22 Nov 2017 1:06
 Operator : SJ/JU
 Sample : I6466-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 22 04:25:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 15:22:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	81575	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	326710	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	145291	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	250110	20.00	ng	0.00
75) Chrysene-d12	14.03	240	160347	20.00	ng	-0.01
86) Perylene-d12	15.51	264	154570	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	424482	83.41	ng	0.00
7) Phenol-d6	6.50	99	521094	83.04	ng	-0.01
23) Nitrobenzene-d5	7.43	82	312424	63.22	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	117707	79.50	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	619014	64.88	ng	-0.01
78) Terphenyl-d14	12.98	244	433044	62.05	ng	0.00

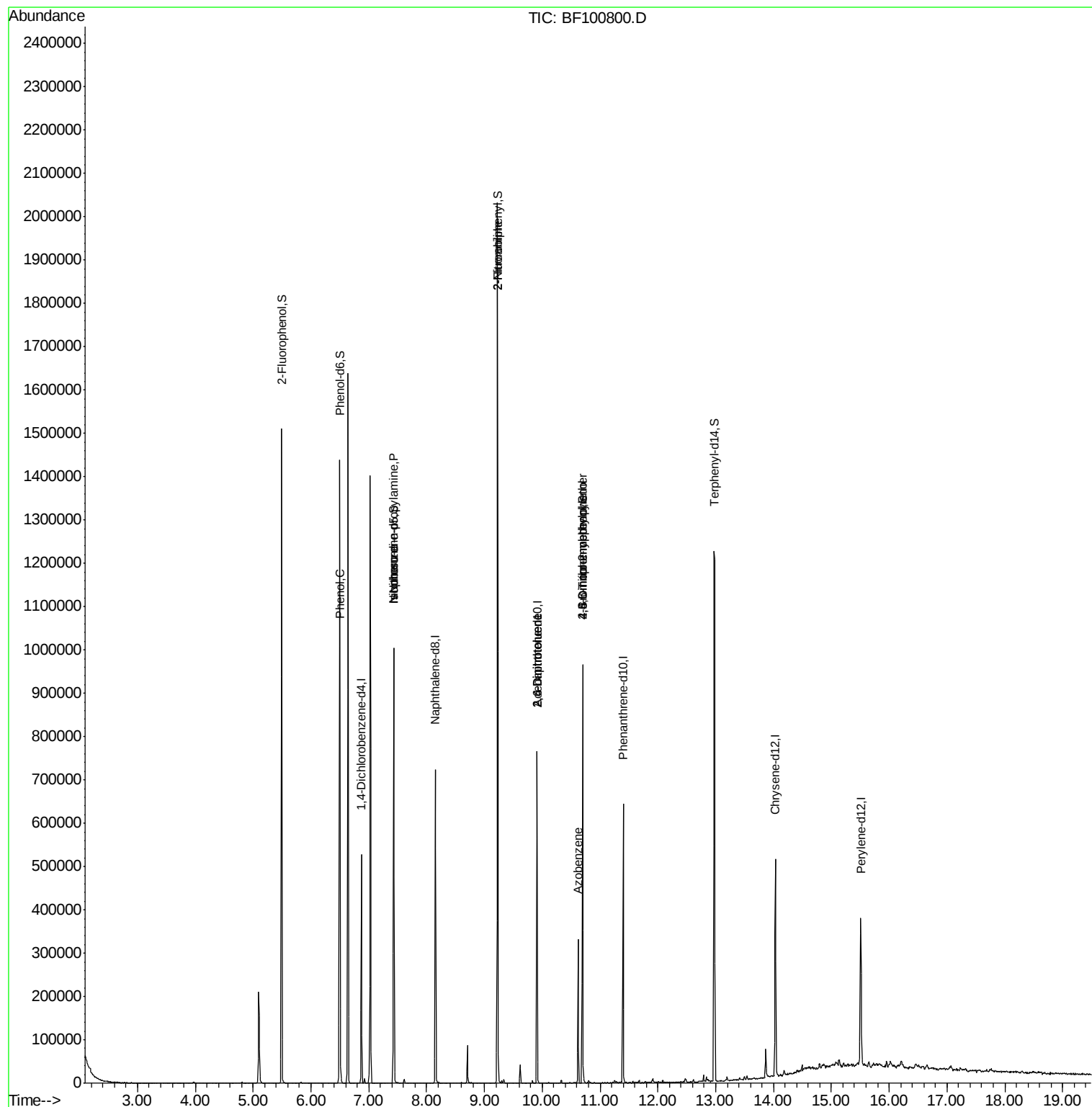
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.51	94	25091	3.81	ng	99
19) n-Nitroso-di-n-propylamine	7.43	70	39616	9.10	ng	# 81
25) Isophorone	7.43	82	312419	30.09	ng	# 64
47) 2-Nitroaniline	9.23	65	818	3.07	ng	# 10
50) 2,6-Dinitrotoluene	9.91	165	18574	8.46	ng	# 26
56) 2,4-Dinitrotoluene	9.91	165	18574	6.71	ng	# 23
62) Azobenzene	10.62	77	52290	5.00	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.70	198	116	8.65	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	7610	2.84	ng	# 1

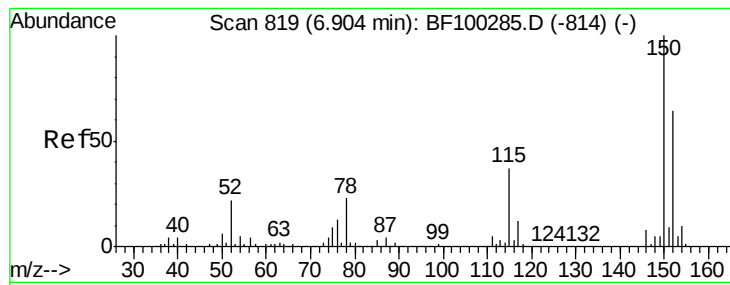
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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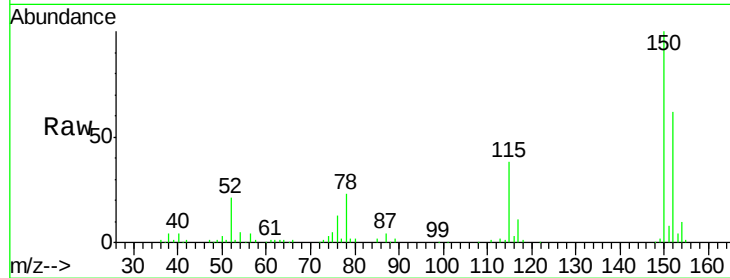




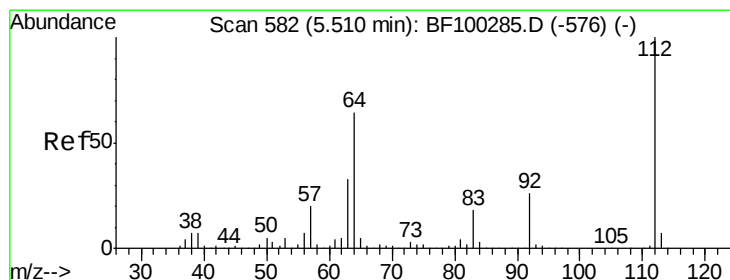
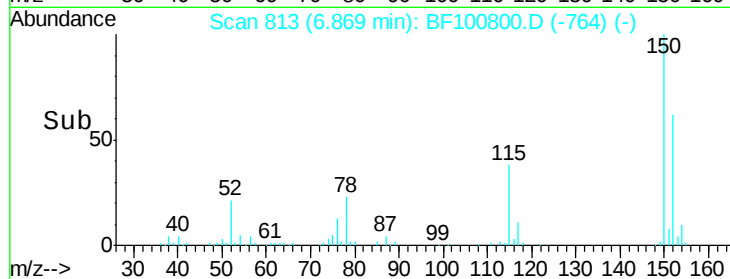
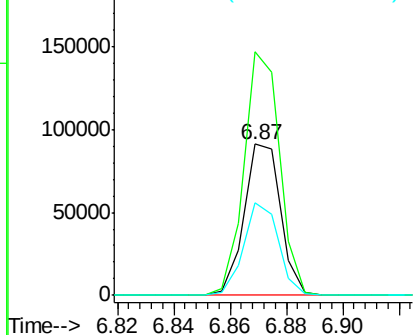
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF100800.D
 Acq: 22 Nov 2017 1:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 81575
 Ion Ratio Lower Upper
 152 100
 150 160.8 124.6 186.8
 115 60.9 50.1 75.1

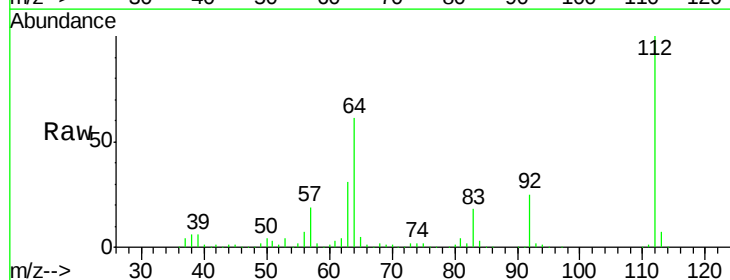


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

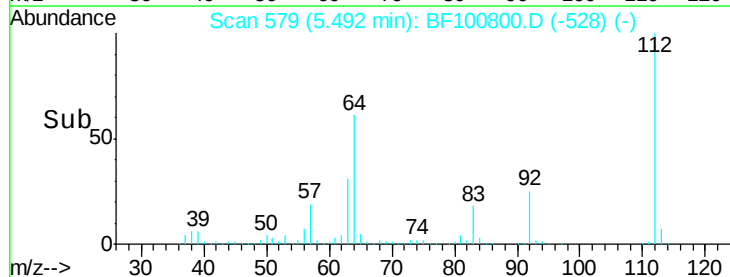
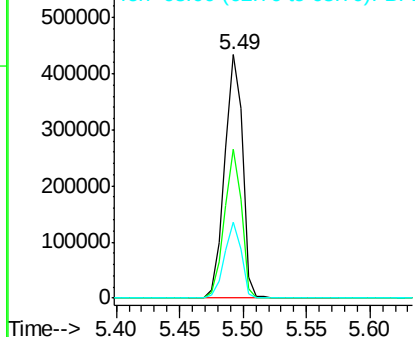


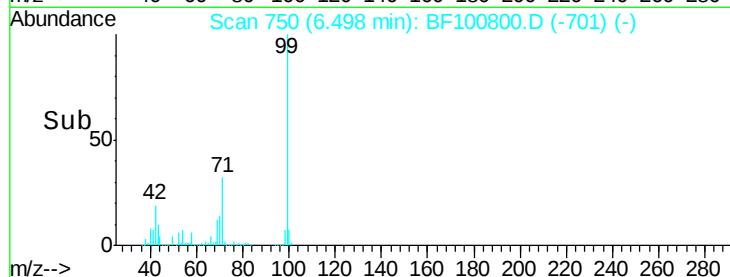
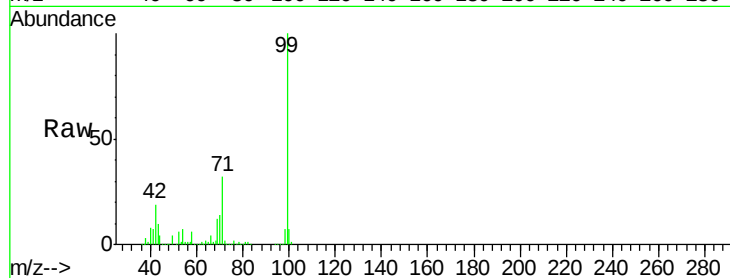
#5
 2-Fluorophenol
 Concen: 83.41 ng
 RT: 5.49 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: BF100800.D
 Acq: 22 Nov 2017 1:06

Tgt Ion:112 Resp: 424482
 Ion Ratio Lower Upper
 112 100
 64 61.1 47.9 71.9
 63 31.3 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: 83.04 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100800.D

Acq: 22 Nov 2017 1:06

Instrument :

BNA_F

ClientSampleId :

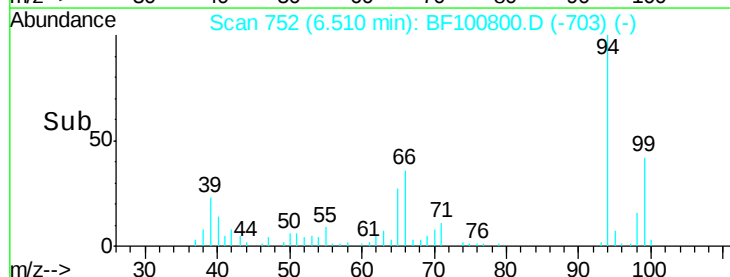
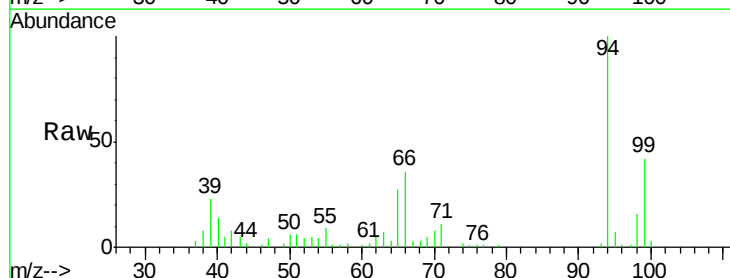
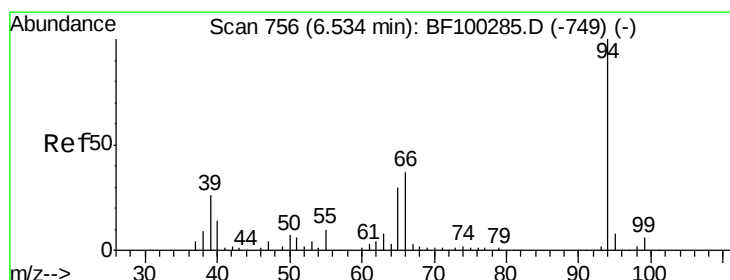
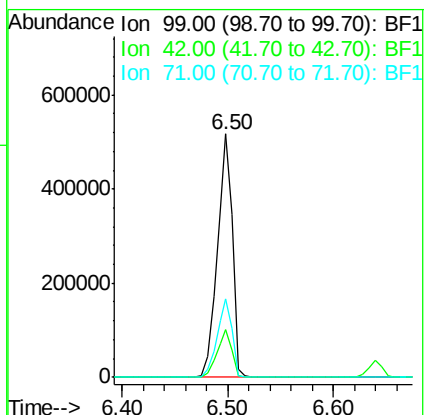
Tot Ion: 99 Resp: 521094

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

71 32.2 25.4 38.0



#10

Phenol

Concen: 3.81 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF100800.D

Acq: 22 Nov 2017 1:06

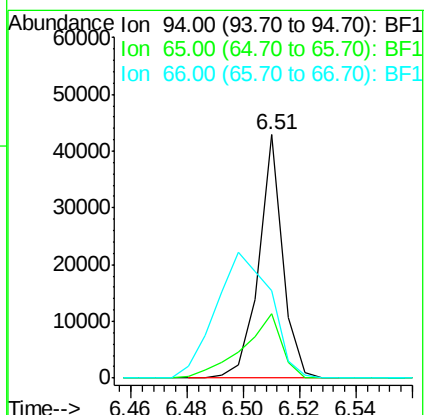
Tgt Ion: 94 Resp: 25091

Ion Ratio Lower Upper

94 100

65 26.7 7.9 47.9

66 35.8 16.2 56.2

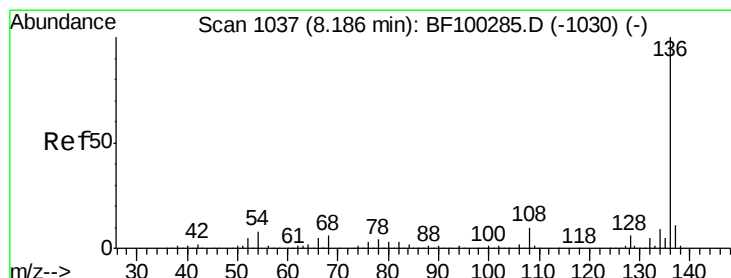
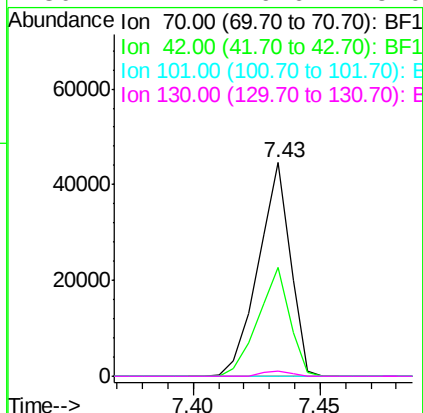
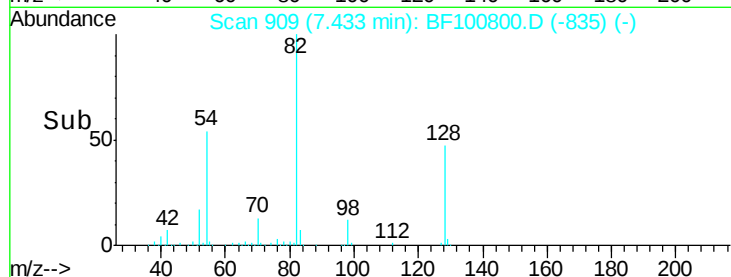
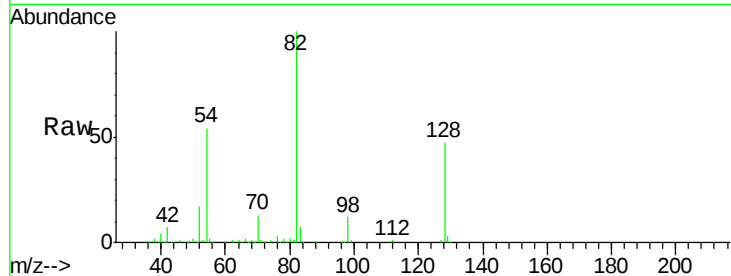




#19
n-Nitroso-di-n-propylamine
Concen: 9.10 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.14 min
Lab File: BF100800.D
Acq: 22 Nov 2017 1:06

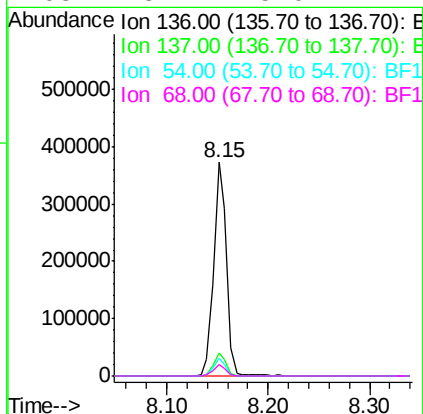
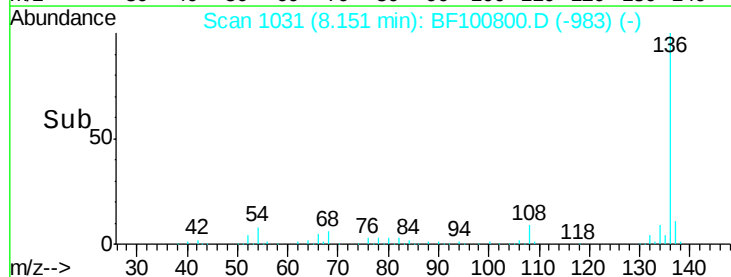
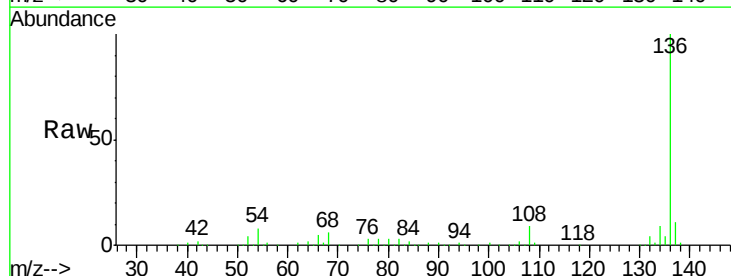
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 39616
Ion Ratio Lower Upper
70 100
42 50.9 47.5 71.3
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF100800.D
Acq: 22 Nov 2017 1:06

Tgt Ion: 136 Resp: 326710
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 8.4 6.6 9.8
68 5.7 5.0 7.4

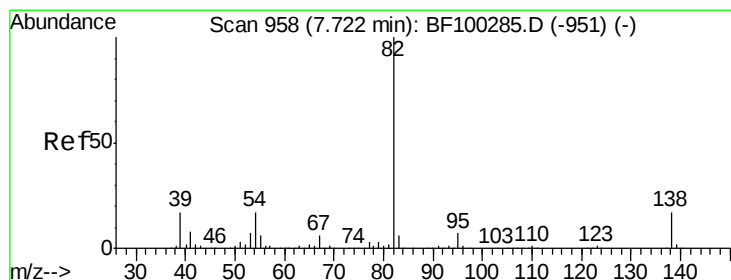
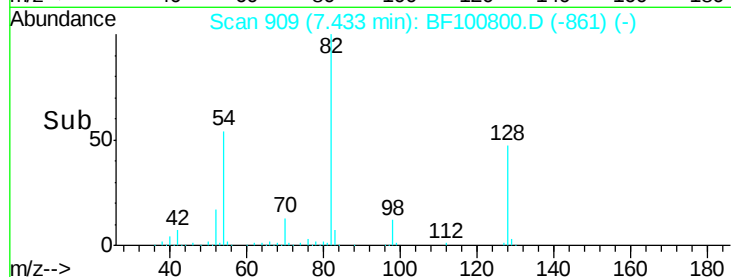
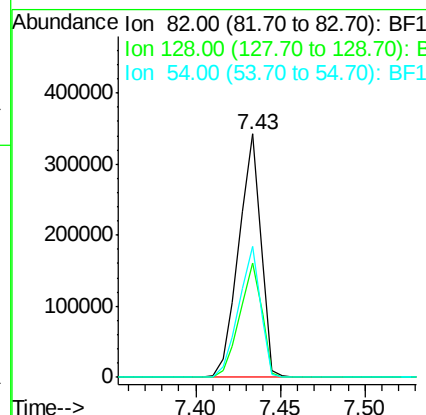
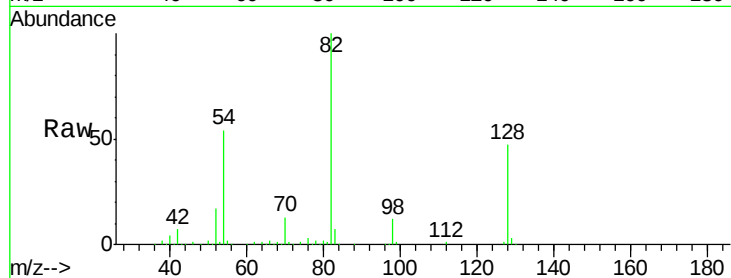




#23
 Nitrobenzene-d5
 Concen: 63.22 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.02 min
 Lab File: BF100800.D
 Acq: 22 Nov 2017 1:06

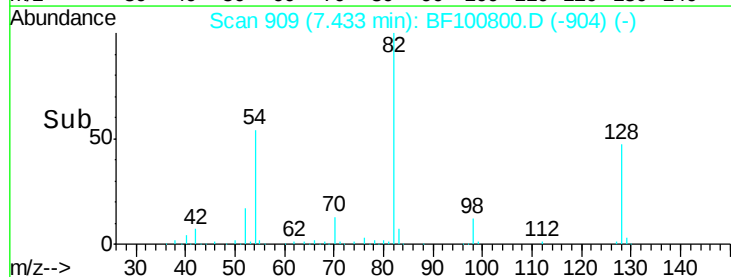
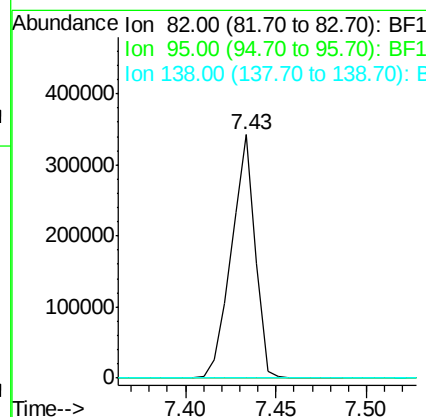
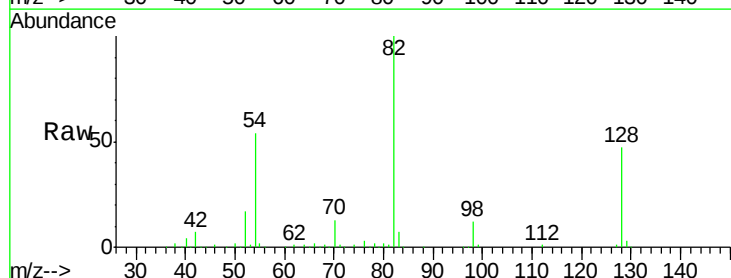
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	312424
Ion Ratio	Lower	Upper	
82	100		
128	47.0	36.1	54.1
54	53.8	41.4	62.2



#25
 Isophorone
 Concen: 30.09 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.27 min
 Lab File: BF100800.D
 Acq: 22 Nov 2017 1:06

Tgt Ion	82	Resp	312419
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

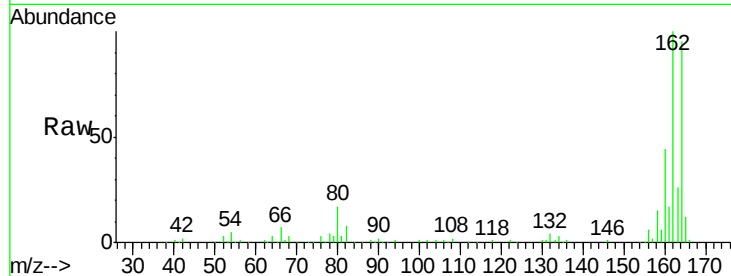




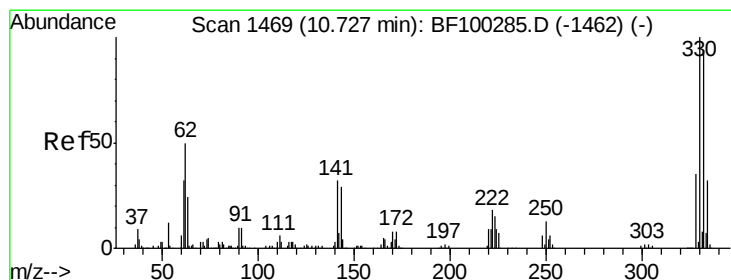
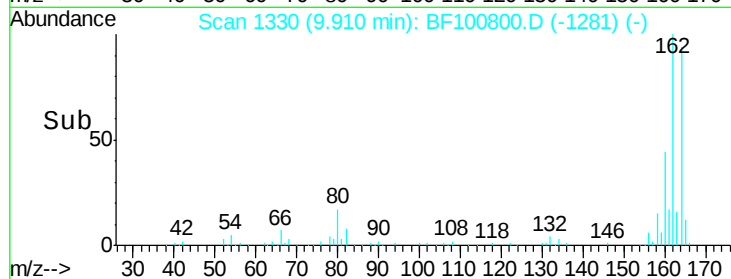
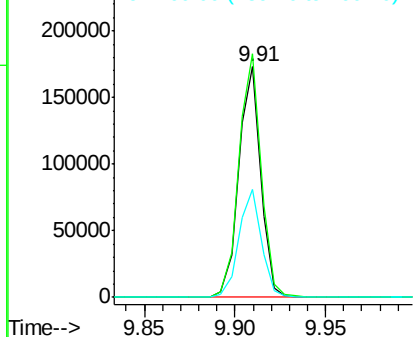
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF100800.D
 Acq: 22 Nov 2017 1:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.7	86.1	129.1
160	46.7	38.3	57.5

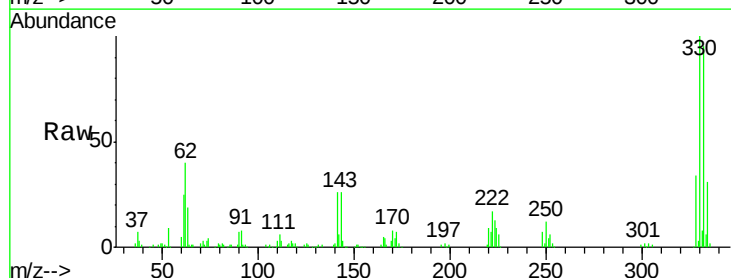


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

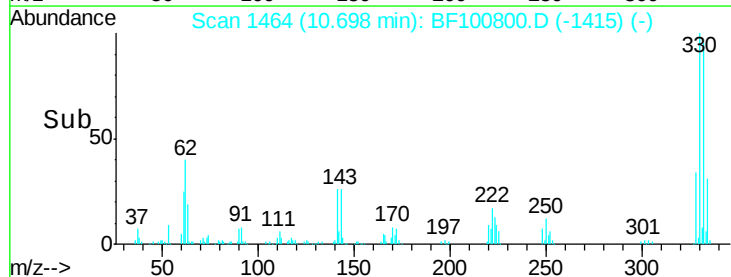
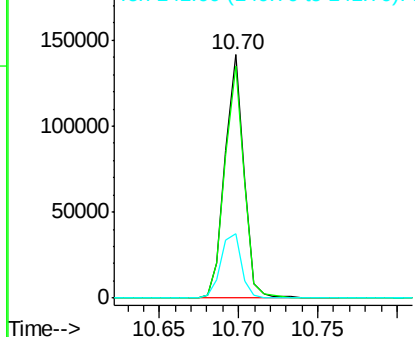


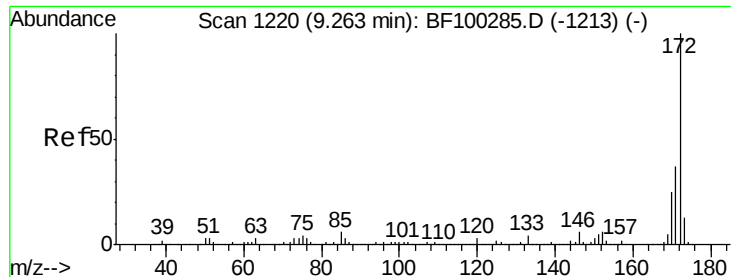
#41
 2,4,6-Tribromophenol
 Concen: 79.50 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF100800.D
 Acq: 22 Nov 2017 1:06

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	28.8	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

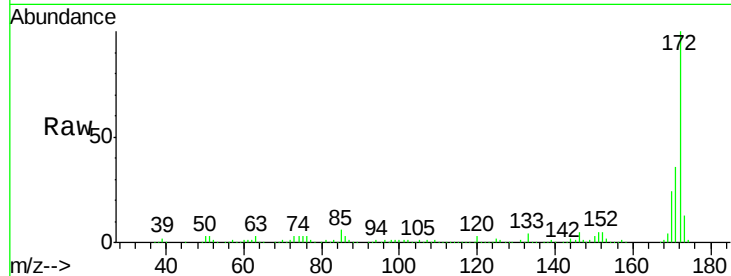




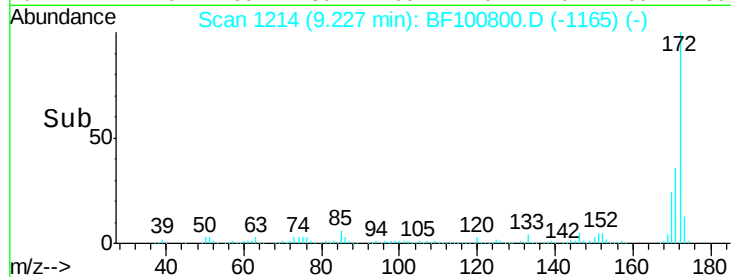
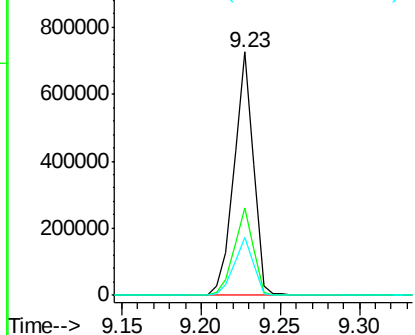
#44
2-Fluorobiphenyl
Concen: 64.88 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF100800.D
Acq: 22 Nov 2017 1:06

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 619014
Ion Ratio Lower Upper
172 100
171 35.7 29.7 44.5
170 23.8 19.6 29.4

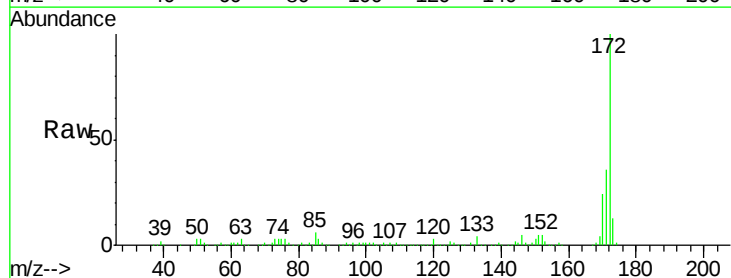


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

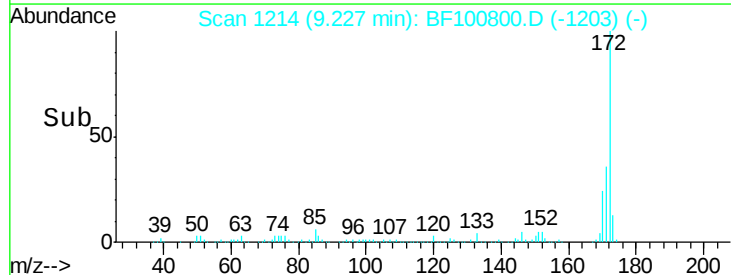
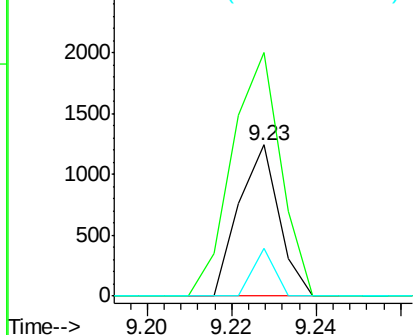


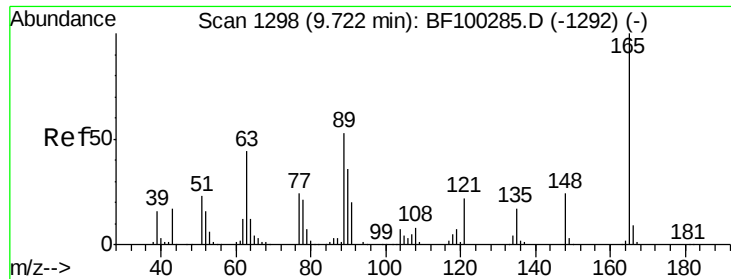
#47
2-Nitroaniline
Concen: 3.07 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.24 min
Lab File: BF100800.D
Acq: 22 Nov 2017 1:06

Tgt Ion: 65 Resp: 818
Ion Ratio Lower Upper
65 100
92 160.8 55.8 83.6#
138 31.6 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): E

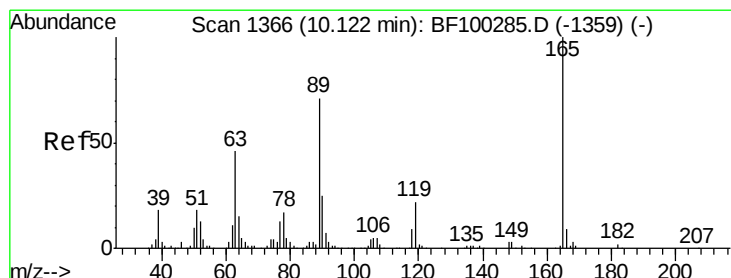
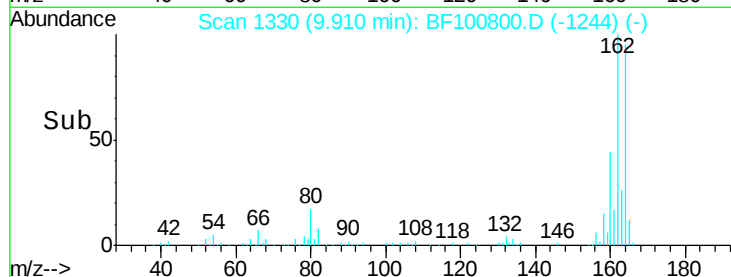
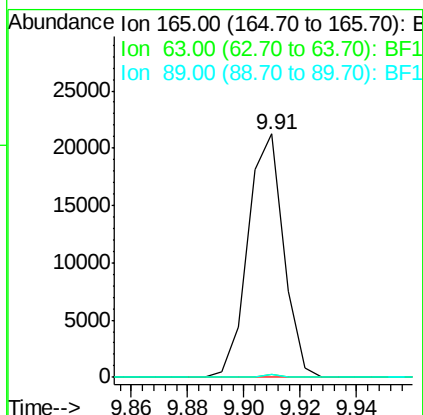
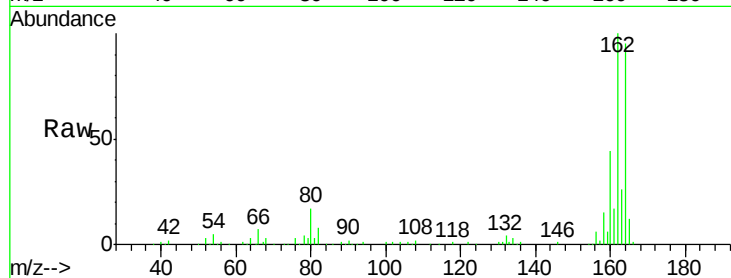




#50
2,6-Dinitrotoluene
Concen: 8.46 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.21 min
Lab File: BF100800.D
Acq: 22 Nov 2017 1:06

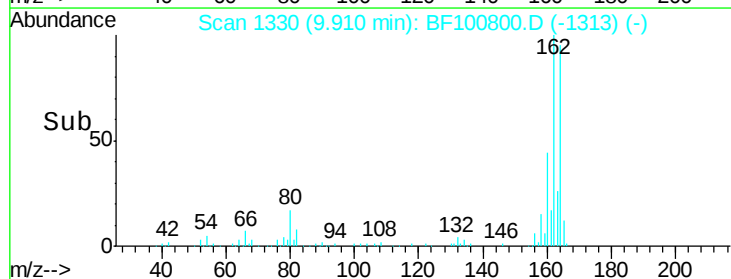
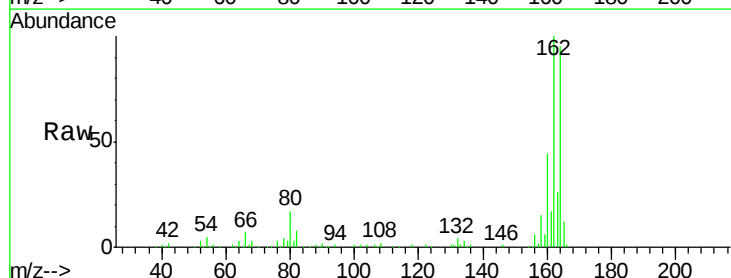
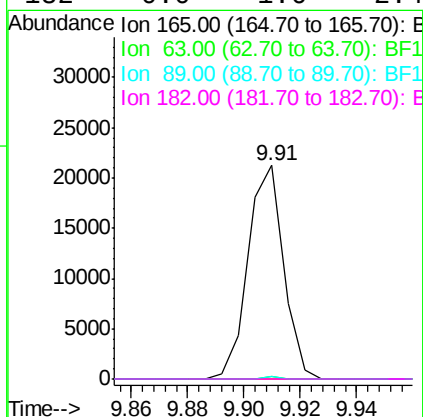
Instrument :
BNA_F
ClientSampled :

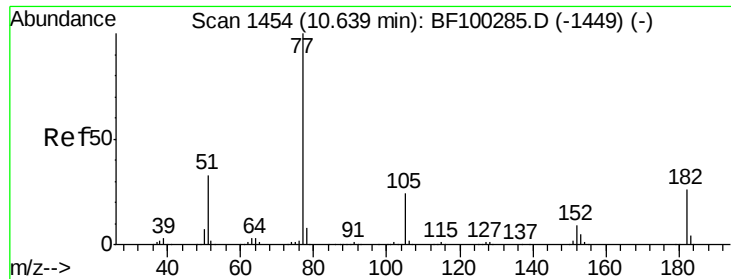
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.4	44.0	66.0#



#56
2,4-Dinitrotoluene
Concen: 6.71 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.20 min
Lab File: BF100800.D
Acq: 22 Nov 2017 1:06

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





#62

Azobenzene

Concen: 5.00 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.00 min

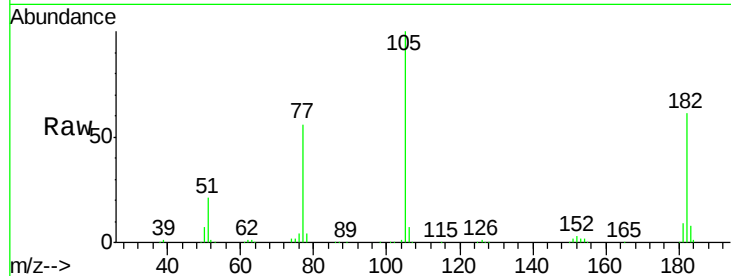
Lab File: BF100800.D

Acq: 22 Nov 2017 1:06

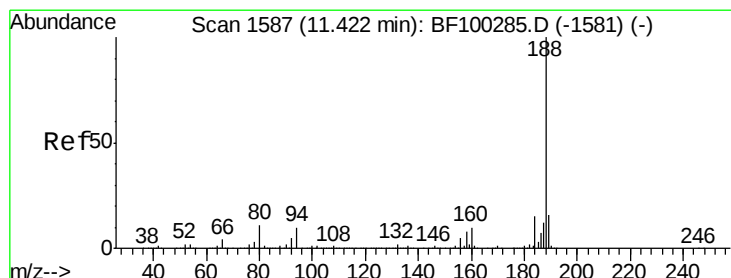
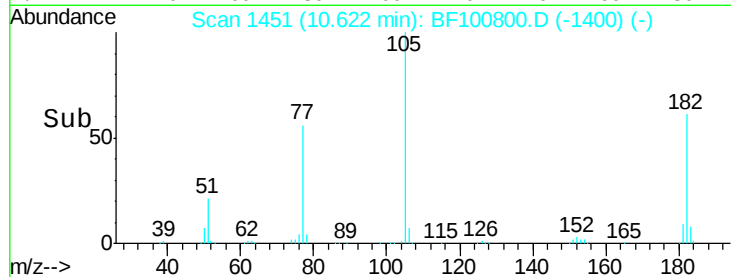
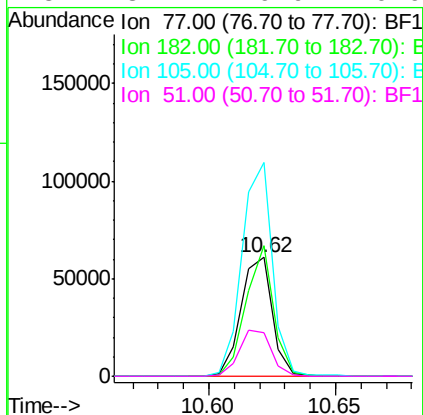
Instrument :

BNA_F

ClientSampled :



Tot Ion:	77	Resp:	52290
Ion	Ratio	Lower	Upper
77	100		
182	109.9	1.7	41.7#
105	180.2	3.0	43.0#
51	37.1	9.9	49.9



#63

Phenanthrene-d10

Concen: 20.00 ng

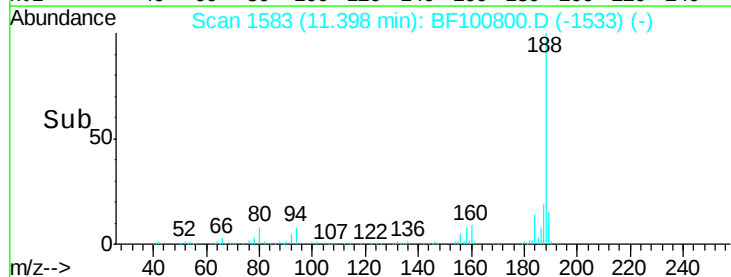
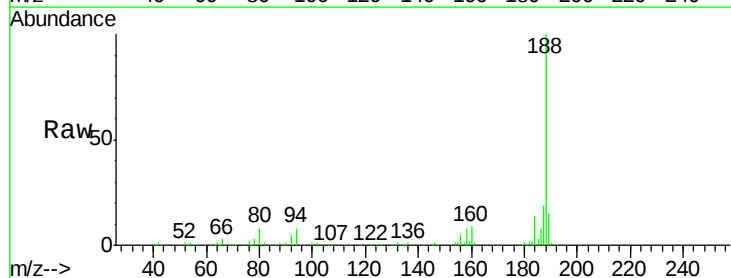
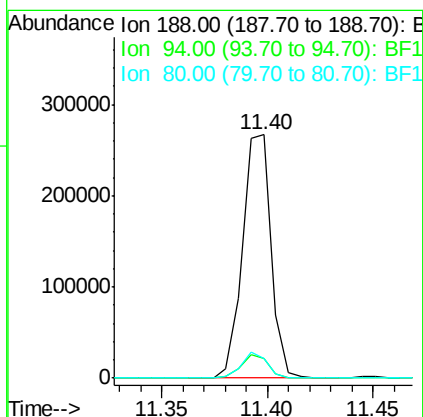
RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF100800.D

Acq: 22 Nov 2017 1:06

Tgt Ion:	188	Resp:	250110
Ion	Ratio	Lower	Upper
188	100		
94	7.9	8.5	12.7#
80	8.2	9.2	13.8#

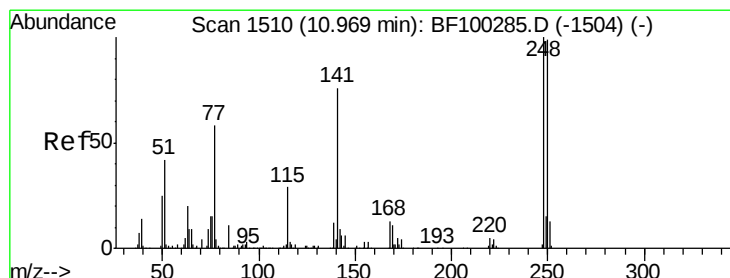
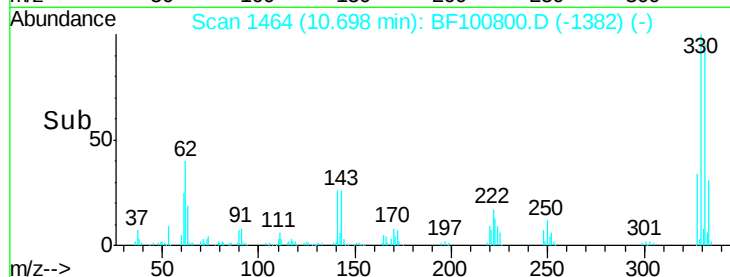
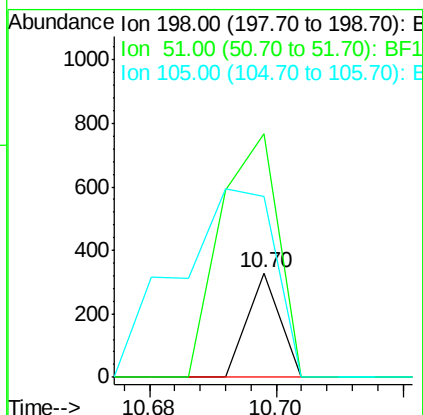
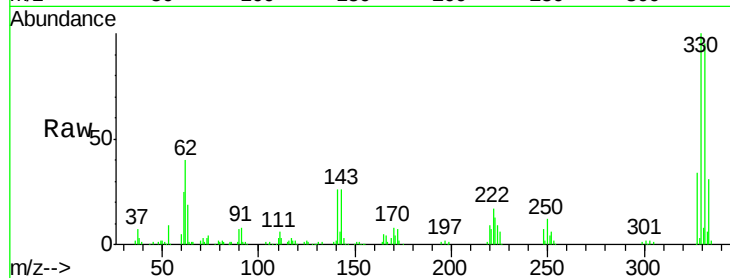




#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.65 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.18 min
 Lab File: BF100800.D
 Acq: 22 Nov 2017 1:06

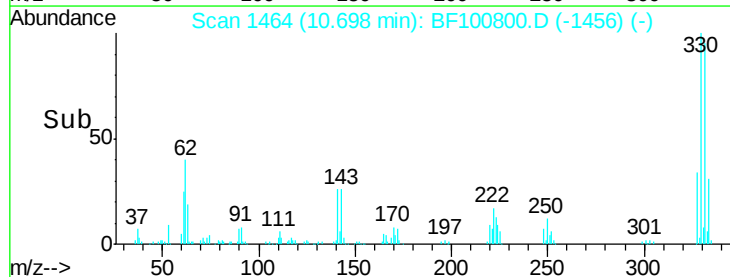
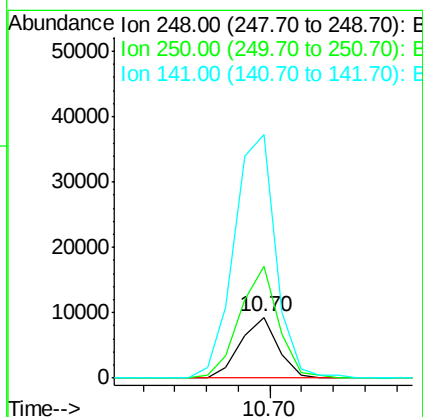
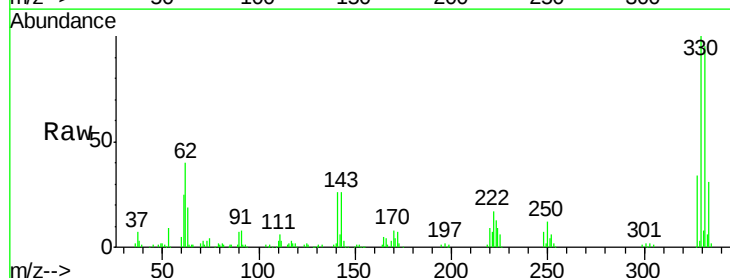
Instrument :
 BNA_F
 ClientSampleId :

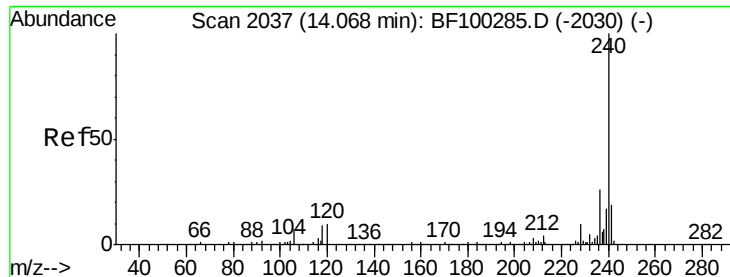
Tot Ion:198 Resp: 116
 Ion Ratio Lower Upper
 198 100
 51 232.4 37.7 77.7#
 105 172.7 36.3 76.3#



#66
 4-Bromophenyl-phenylether
 Concen: 2.84 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.25 min
 Lab File: BF100800.D
 Acq: 22 Nov 2017 1:06

Tgt Ion:248 Resp: 7610
 Ion Ratio Lower Upper
 248 100
 250 184.6 76.9 115.3#
 141 401.7 74.4 111.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF100800.D

Acq: 22 Nov 2017 1:06

Instrument :

BNA_F

ClientSampleId :

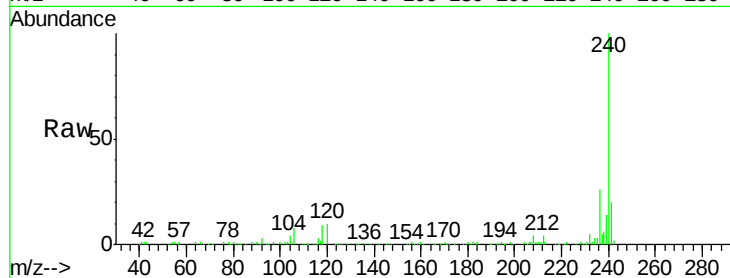
Tot Ion:240 Resp: 160347

Ion Ratio Lower Upper

240 100

120 10.4 9.5 14.3

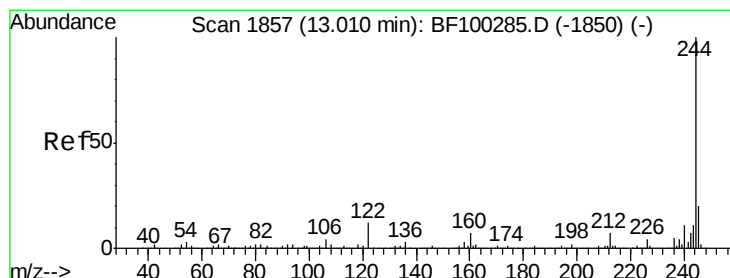
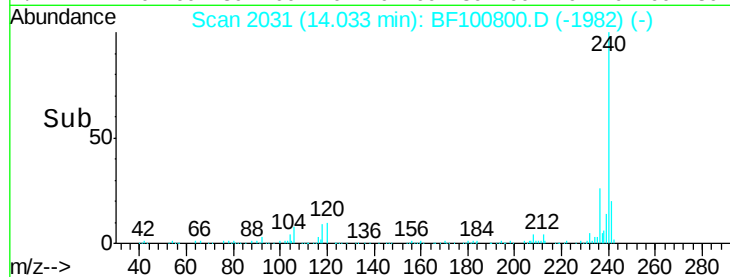
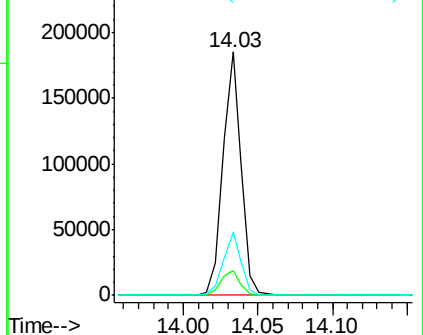
236 26.1 20.7 31.1



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: 62.05 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF100800.D

Acq: 22 Nov 2017 1:06

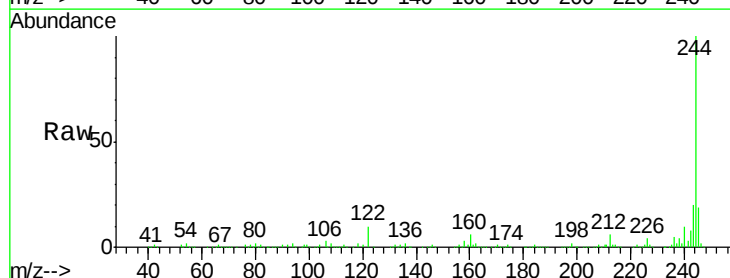
Tgt Ion:244 Resp: 433044

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

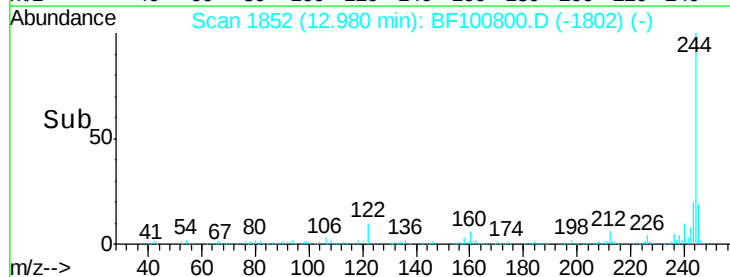
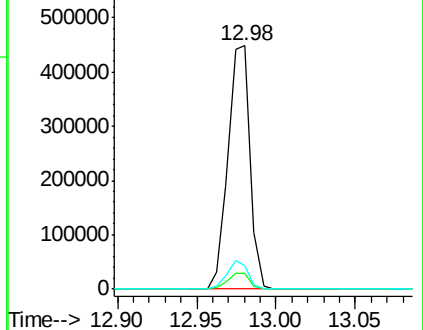
122 9.6 11.0 16.4#

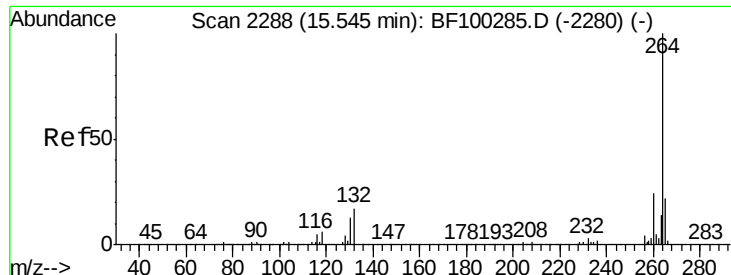


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

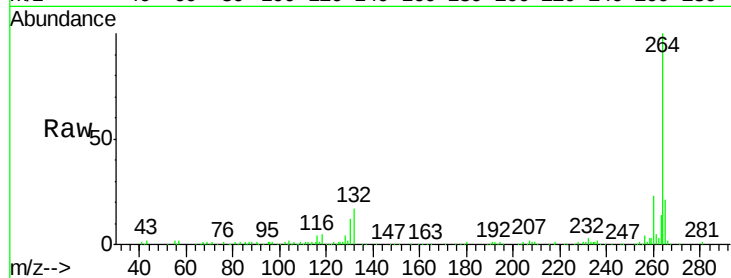




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.51 min Scan# 2282
 Delta R.T. -0.01 min
 Lab File: BF100800.D
 Acq: 22 Nov 2017 1:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.1	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

