

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
 Data File : BF100802.D
 Acq On : 22 Nov 2017 1:59
 Operator : SJ/JU
 Sample : I6466-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 22 04:27:30 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

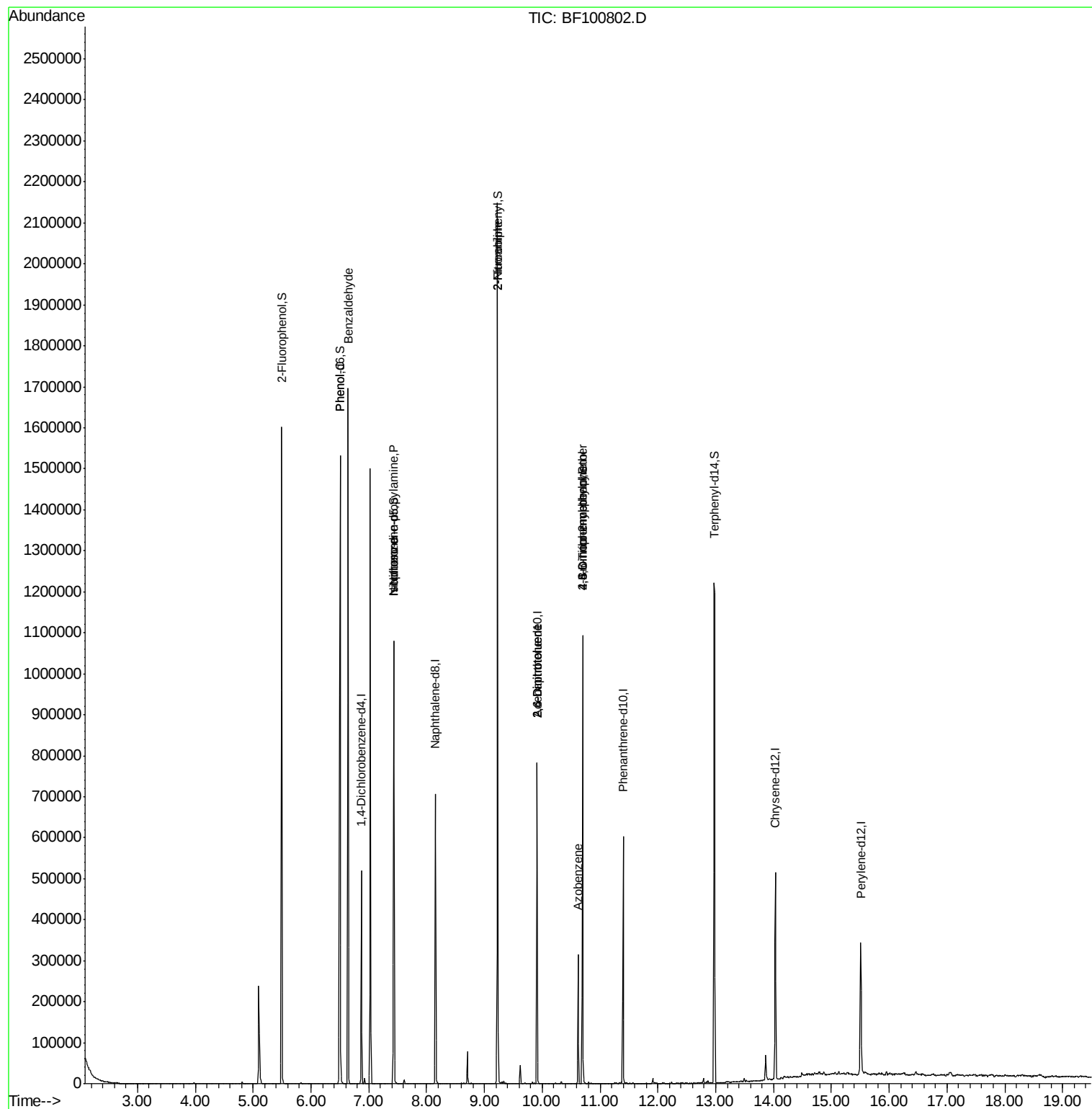
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	84223	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	327688	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	143176	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	236155	20.00	ng	0.00
75) Chrysene-d12	14.03	240	162809	20.00	ng	-0.01
86) Perylene-d12	15.51	264	153107	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	489084	93.09	ng	0.00
7) Phenol-d6	6.50	99	597885	92.28	ng	0.00
23) Nitrobenzene-d5	7.43	82	358773	72.38	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	131185	89.92	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	674582	71.74	ng	-0.01
78) Terphenyl-d14	12.98	244	426204	60.15	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.64	77	9897	2.14	ng	86
10) Phenol	6.51	94	31015	4.56	ng	94
19) n-Nitroso-di-n-propylamine	7.43	70	47012	10.46	ng	# 80
25) Isophorone	7.43	82	358770	34.45	ng	# 64
47) 2-Nitroaniline	9.23	65	878	3.10	ng	# 8
50) 2,6-Dinitrotoluene	9.91	165	17956	8.30	ng	# 24
56) 2,4-Dinitrotoluene	9.91	165	17956	6.58	ng	# 21
62) Azobenzene	10.62	77	50105	4.86	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.70	198	125	8.66	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	8299	3.28	ng	# 1

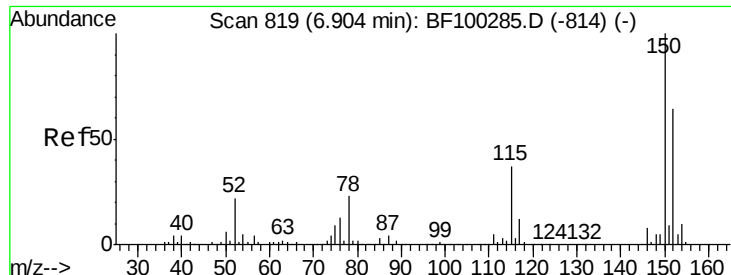
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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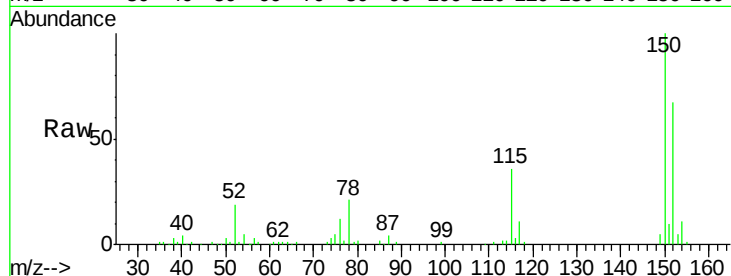


#1

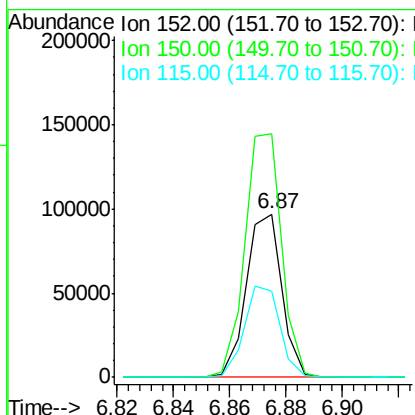
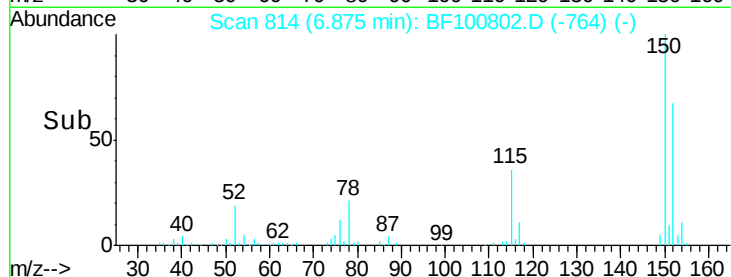
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF100802.D
Acq: 22 Nov 2017 1:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.2	124.6	186.8
115	53.1	50.1	75.1



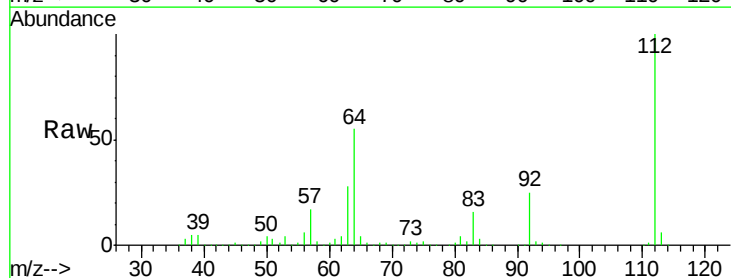
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



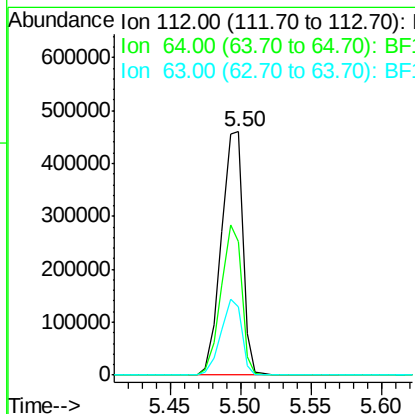
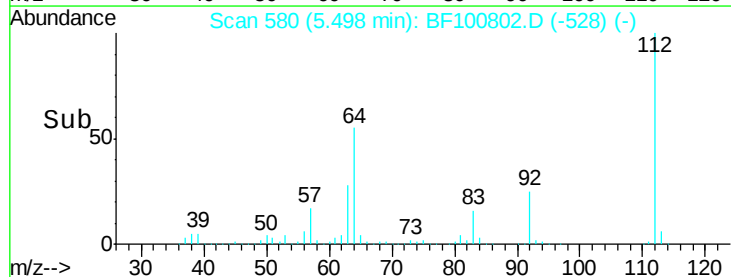
#5

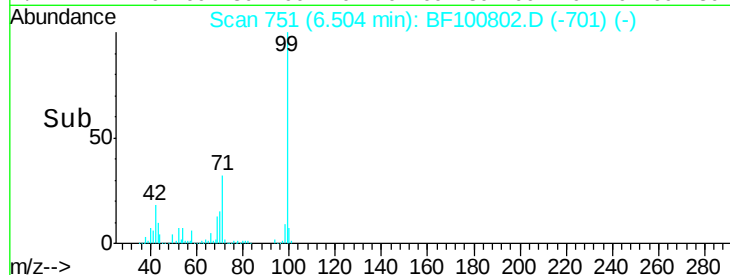
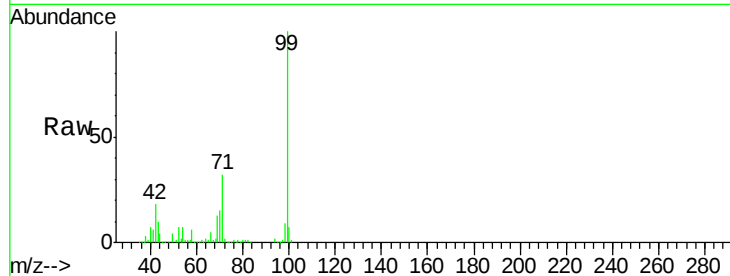
2-Fluorophenol
Concen: 93.09 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF100802.D
Acq: 22 Nov 2017 1:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	47.9	71.9
63	28.2	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: 92.28 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100802.D

Acq: 22 Nov 2017 1:59

Instrument :

BNA_F

ClientSampleId :

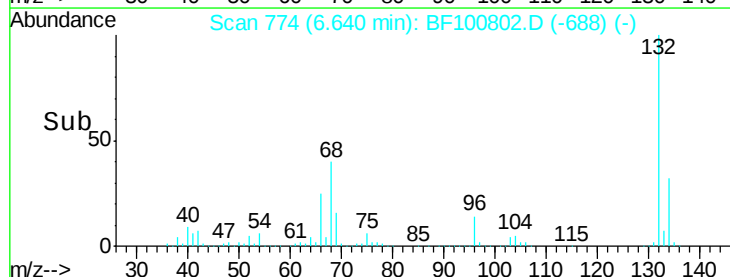
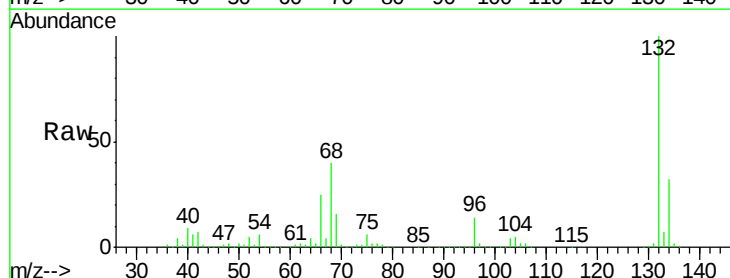
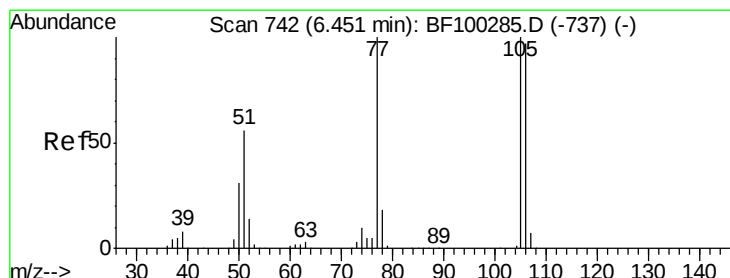
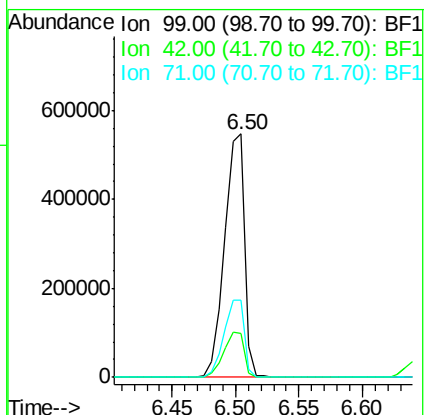
Tot Ion: 99 Resp: 597885

Ion Ratio Lower Upper

99 100

42 17.8 14.5 21.7

71 31.9 25.4 38.0



#9

Benzaldehyde

Concen: 2.14 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.21 min

Lab File: BF100802.D

Acq: 22 Nov 2017 1:59

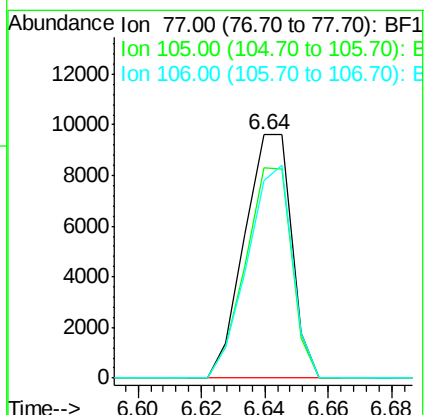
Tgt Ion: 77 Resp: 9897

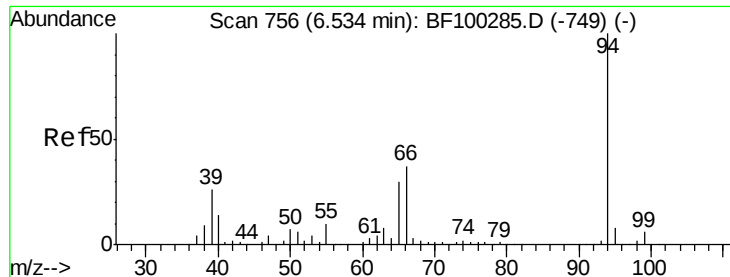
Ion Ratio Lower Upper

77 100

105 86.4 81.1 121.1

106 81.1 74.5 114.5





#10

Phenol

Concen: 4.56 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF100802.D

Acq: 22 Nov 2017 1:59

Instrument :

BNA_F

ClientSampleId :

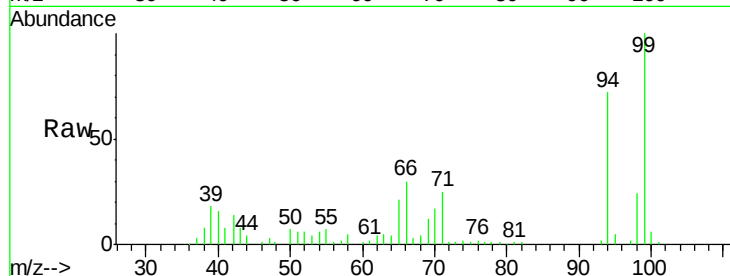
Tot Ion: 94 Resp: 31015

Ion Ratio Lower Upper

94 100

65 29.0 7.9 47.9

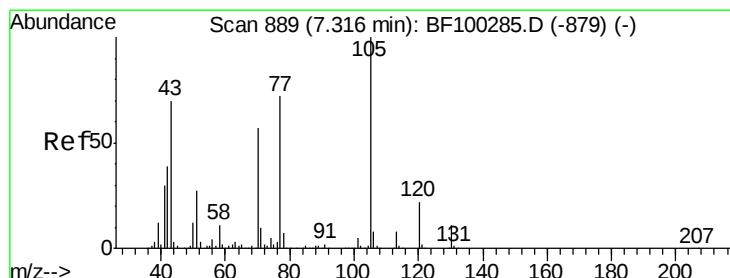
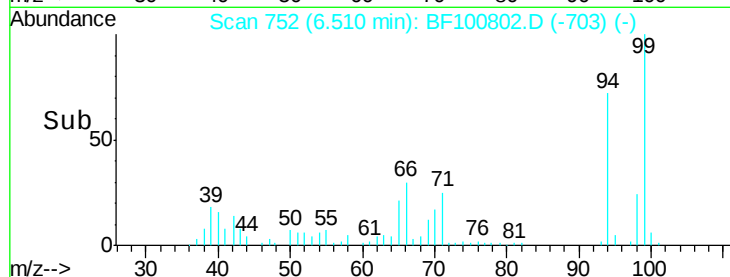
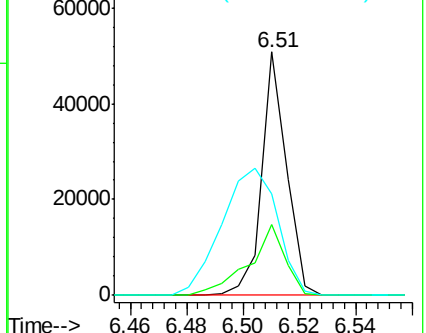
66 41.7 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 10.46 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF100802.D

Acq: 22 Nov 2017 1:59

Tgt Ion: 70 Resp: 47012

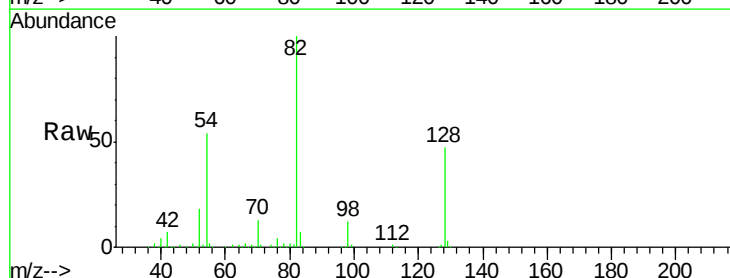
Ion Ratio Lower Upper

70 100

42 50.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

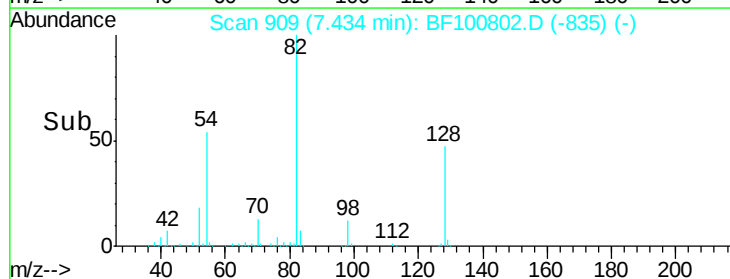
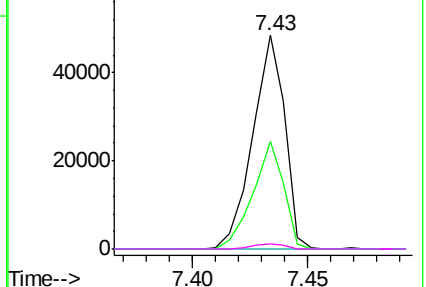


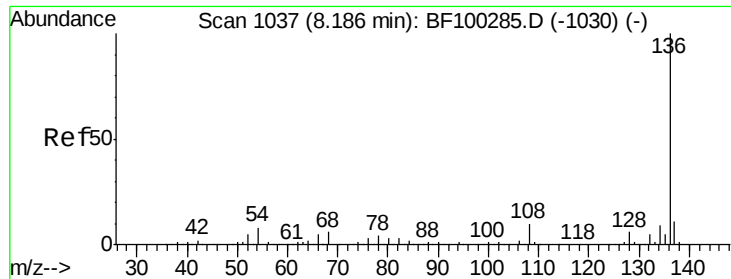
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

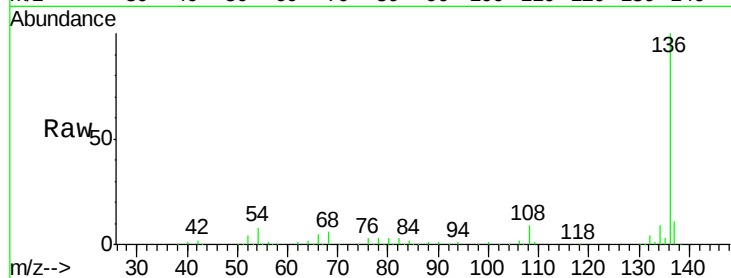




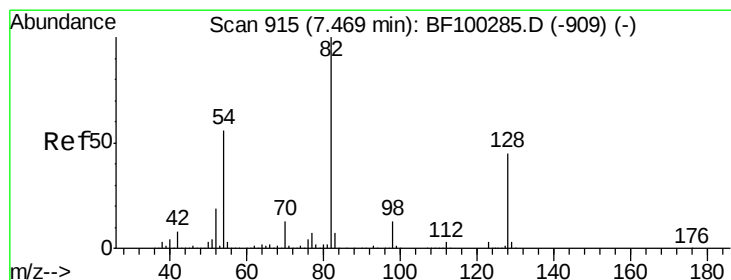
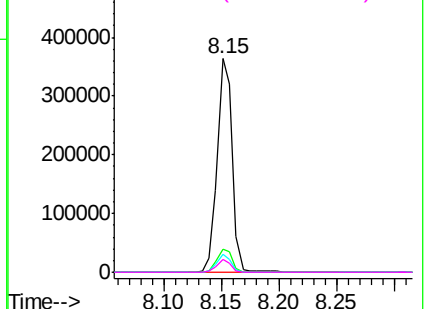
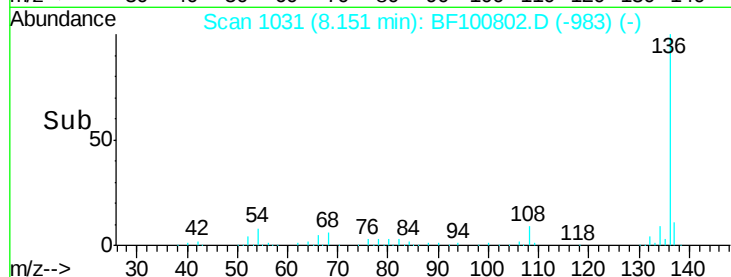
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF100802.D
Acq: 22 Nov 2017 1:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	327688
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	8.4	6.6 9.8
68	6.1	5.0 7.4

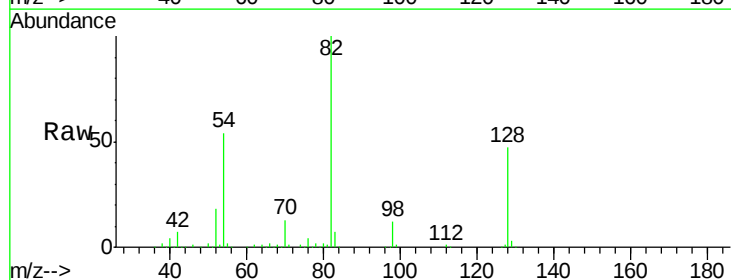


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

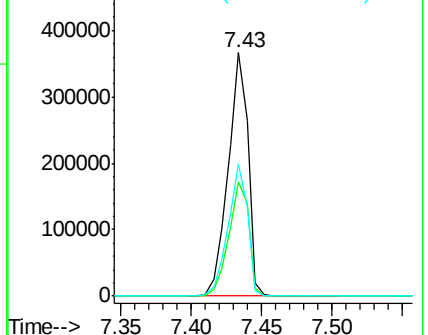
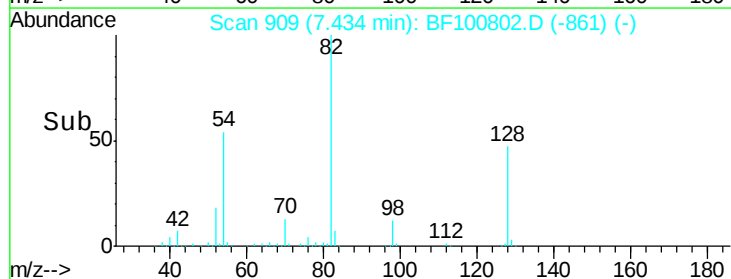


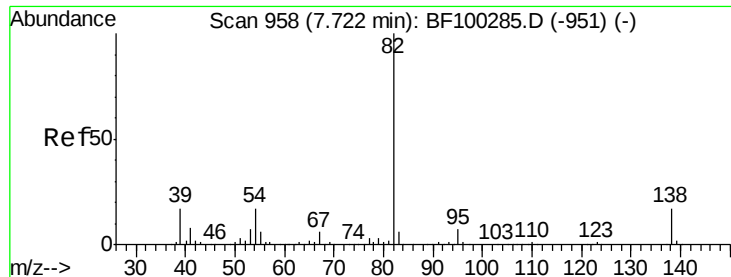
#23
Nitrobenzene-d5
Concen: 72.38 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF100802.D
Acq: 22 Nov 2017 1:59

Tgt Ion: 82	Resp:	358773
Ion Ratio	Lower	Upper
82	100	
128	47.2	36.1 54.1
54	54.2	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: 34.45 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.27 min

Lab File: BF100802.D

Acq: 22 Nov 2017 1:59

Instrument :

BNA_F

ClientSampleId :

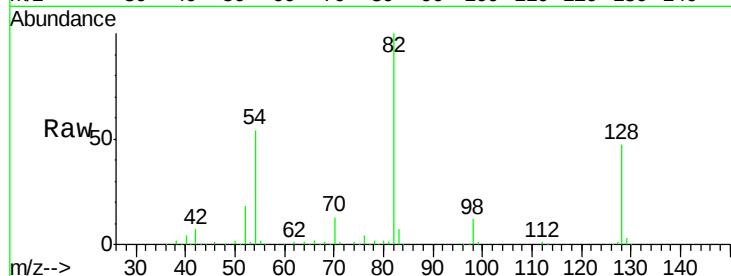
Tot Ion: 82 Resp: 358770

Ion Ratio Lower Upper

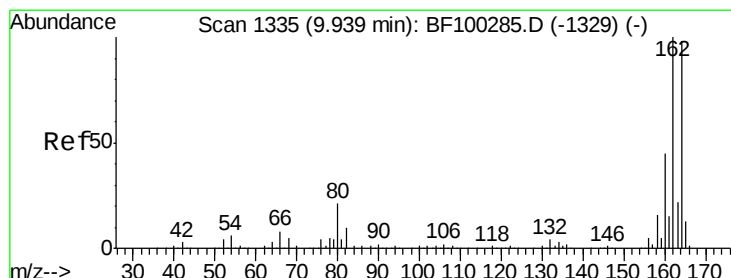
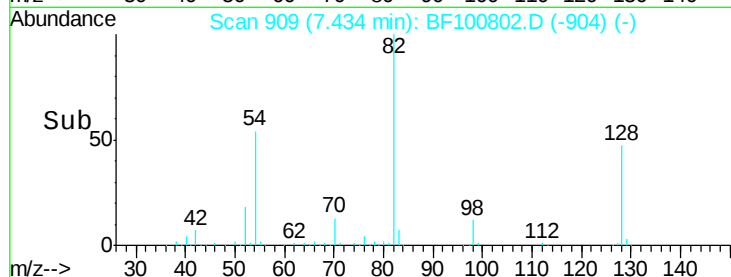
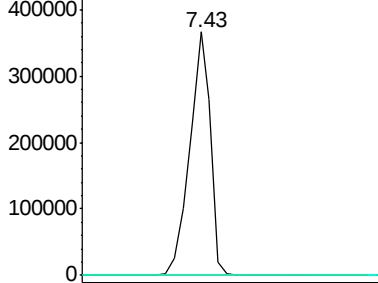
82 100

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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF100802.D

Acq: 22 Nov 2017 1:59

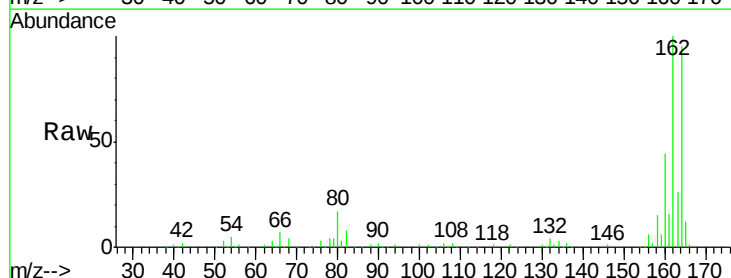
Tgt Ion: 164 Resp: 143176

Ion Ratio Lower Upper

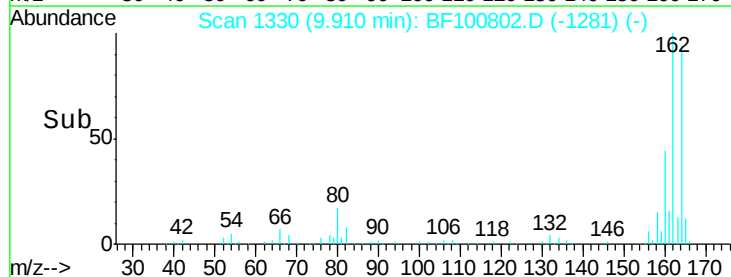
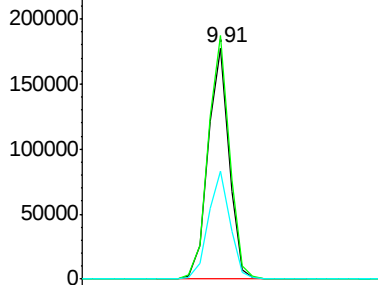
164 100

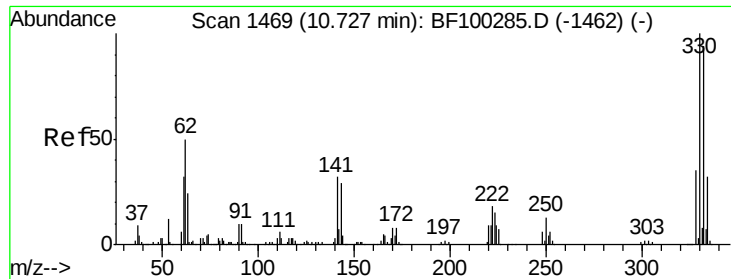
162 105.3 86.1 129.1

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

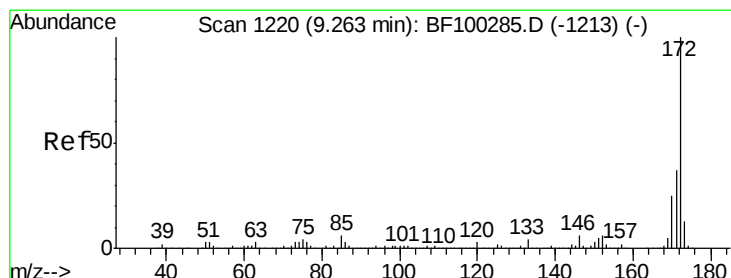
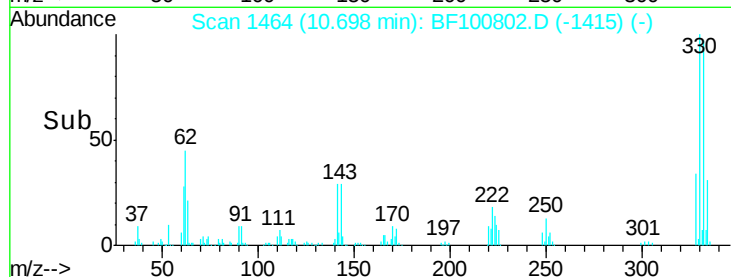
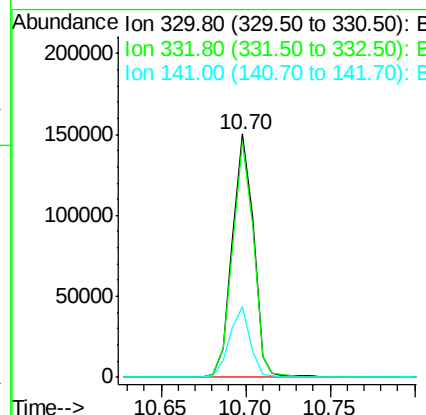
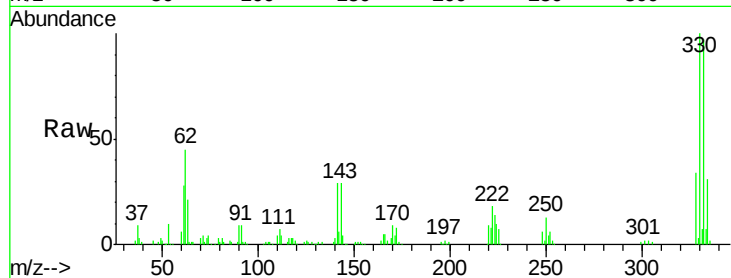




#41
 2,4,6-Tribromophenol
 Concen: 89.92 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF100802.D
 Acq: 22 Nov 2017 1:59

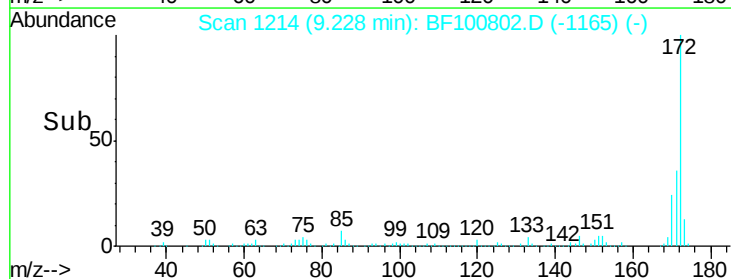
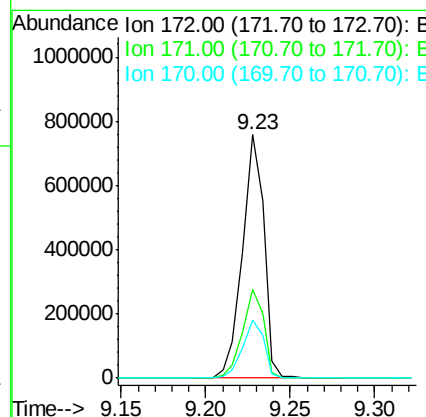
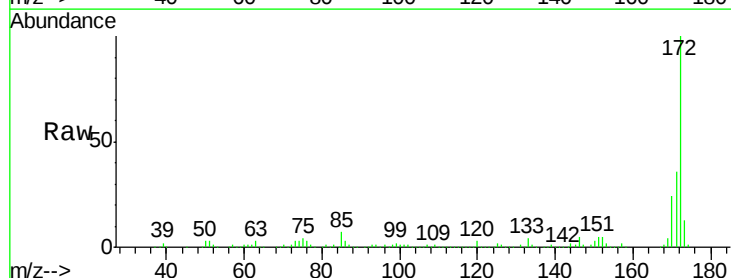
Instrument :
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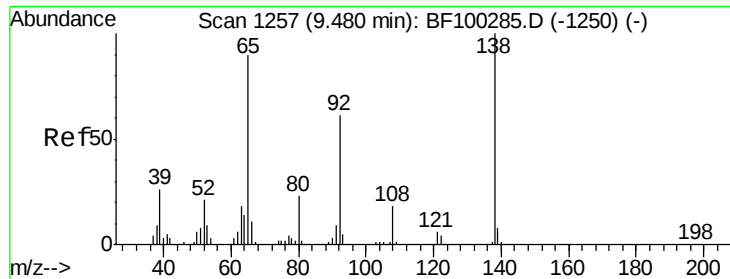
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	28.2	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 71.74 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF100802.D
 Acq: 22 Nov 2017 1:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	23.9	19.6	29.4

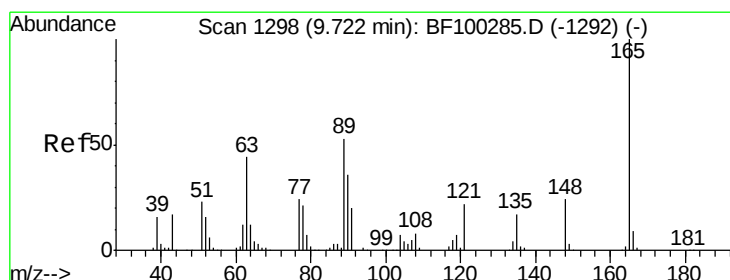
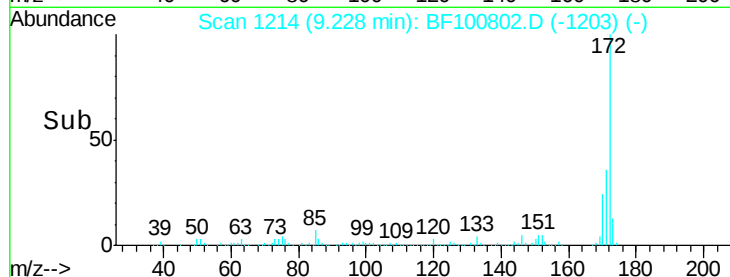
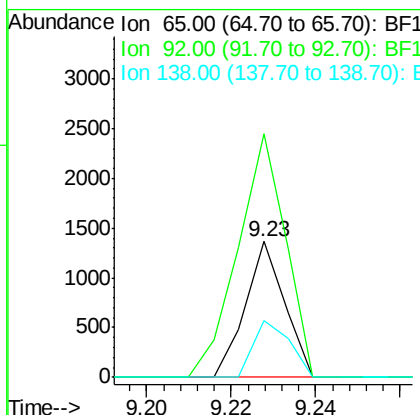
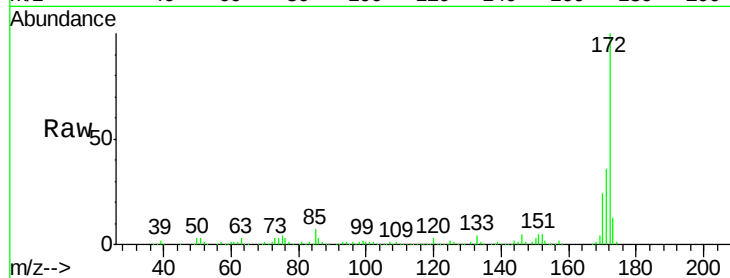




#47
2-Nitroaniline
Concen: 3.10 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.24 min
Lab File: BF100802.D
Acq: 22 Nov 2017 1:59

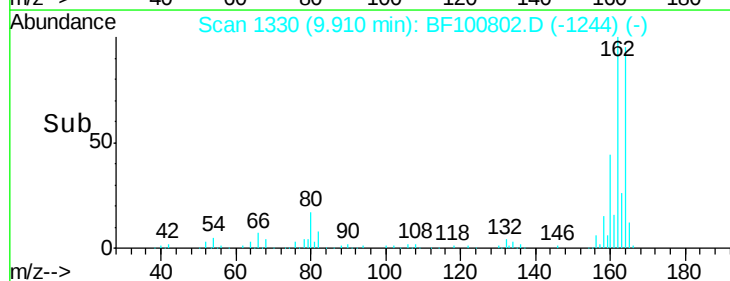
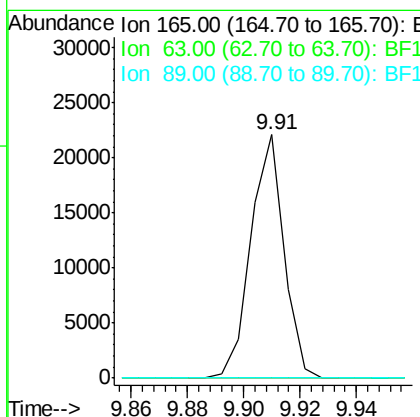
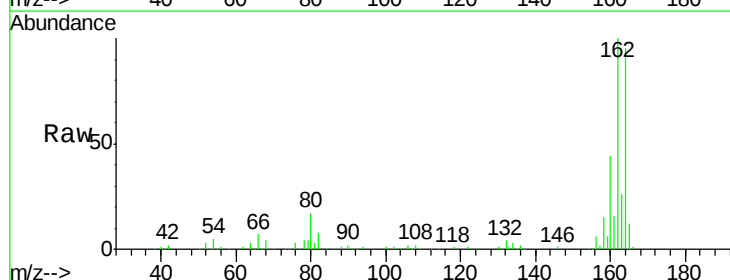
Instrument :
BNA_F
ClientSampleId :

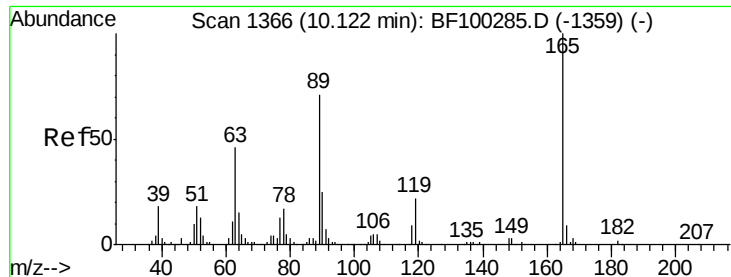
Tot Ion: 65 Resp: 878
Ion Ratio Lower Upper
65 100
92 179.1 55.8 83.6#
138 41.4 91.2 136.8#



#50
2,6-Dinitrotoluene
Concen: 8.30 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.21 min
Lab File: BF100802.D
Acq: 22 Nov 2017 1:59

Tgt Ion:165 Resp: 17956
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#

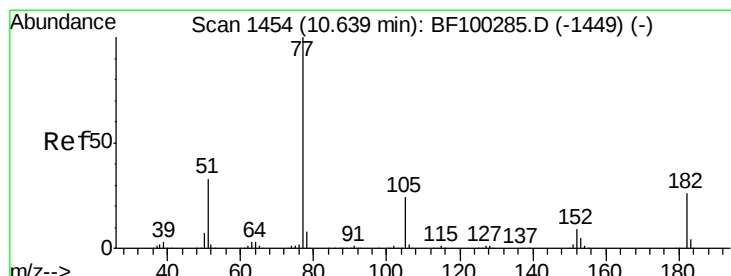
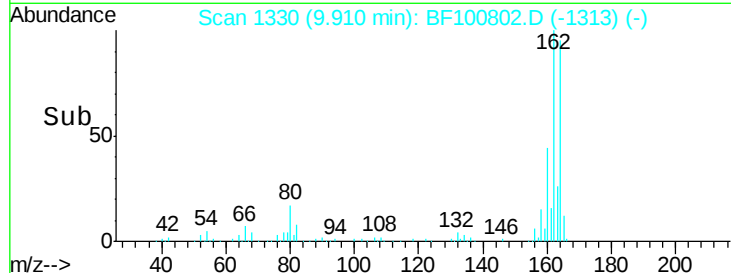
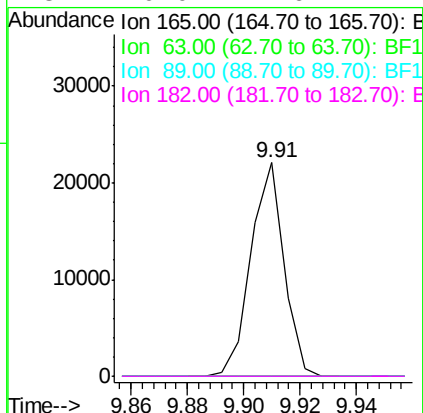
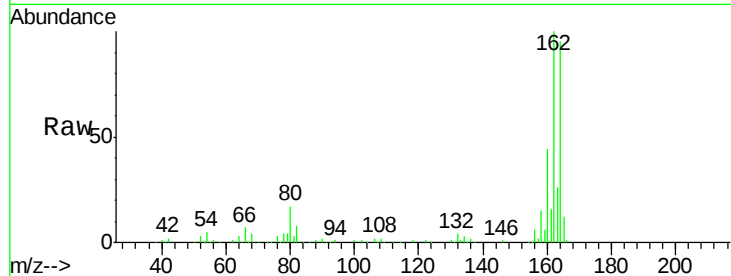




#56
 2,4-Dinitrotoluene
 Concen: 6.58 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF100802.D
 Acq: 22 Nov 2017 1:59

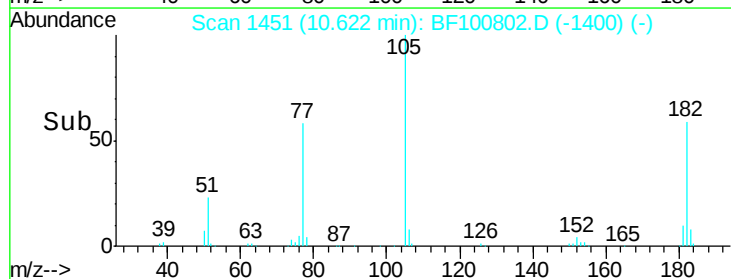
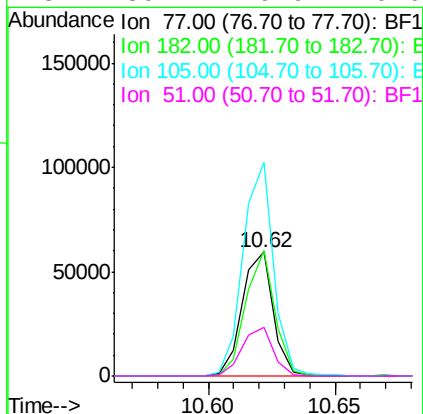
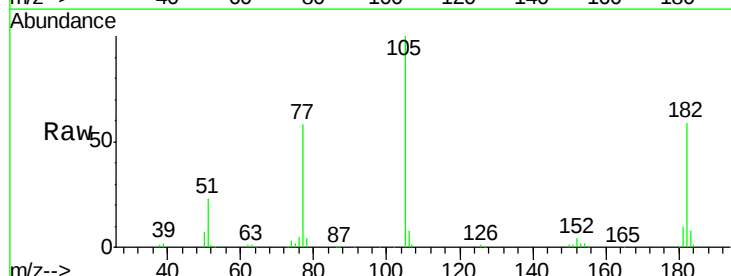
Instrument :
 BNA_F
 ClientSampleId :

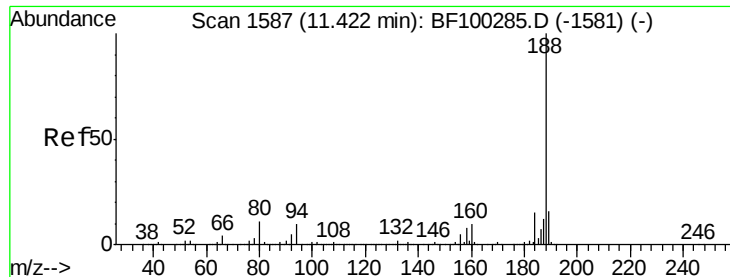
Tot Ion:165	Resp:	17956
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	0.0	57.8 86.6#
182	0.0	1.6 2.4#



#62
 Azobenzene
 Concen: 4.86 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF100802.D
 Acq: 22 Nov 2017 1:59

Tgt Ion: 77	Resp:	50105
Ion Ratio	Lower	Upper
77	100	
182	101.5	1.7 41.7#
105	172.7	3.0 43.0#
51	39.4	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: BF100802.D

Acq: 22 Nov 2017 1:59

Instrument :

BNA_F

ClientSampleId :

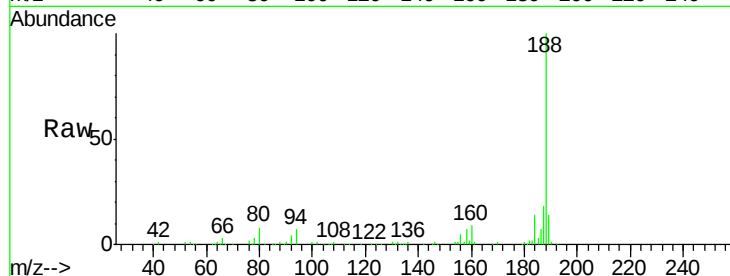
Tot Ion:188 Resp: 236155

Ion Ratio Lower Upper

188 100

94 7.4 8.5 12.7#

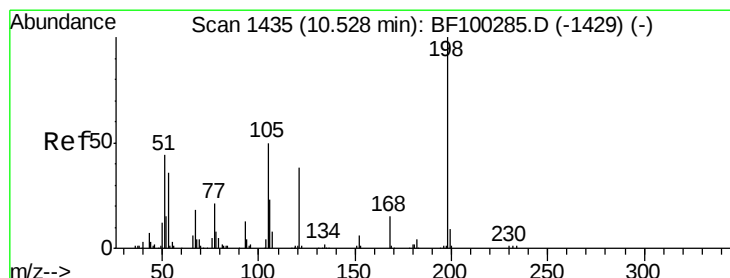
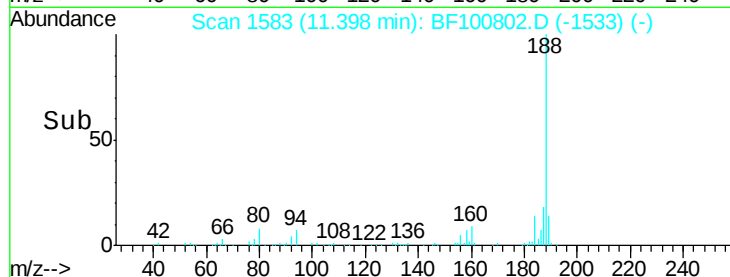
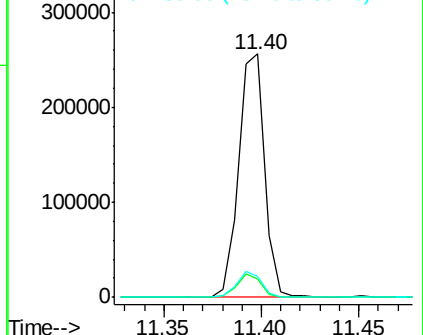
80 8.4 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 8.66 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.18 min

Lab File: BF100802.D

Acq: 22 Nov 2017 1:59

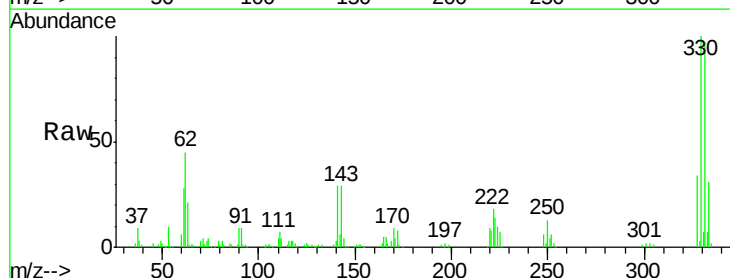
Tgt Ion:198 Resp: 125

Ion Ratio Lower Upper

198 100

51 120.3 37.7 77.7#

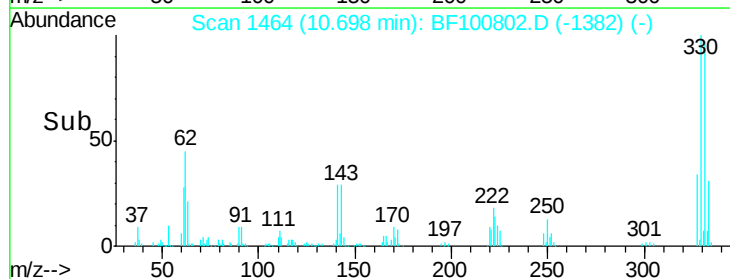
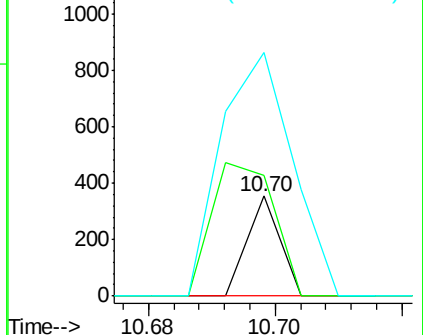
105 243.8 36.3 76.3#

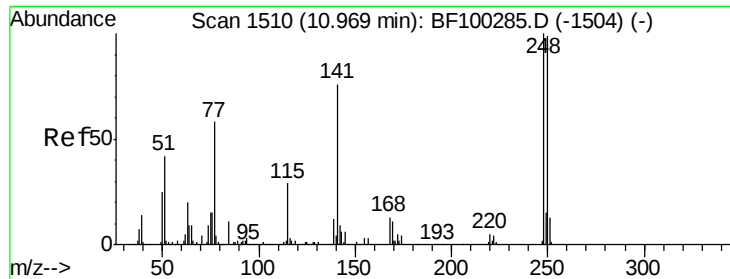


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

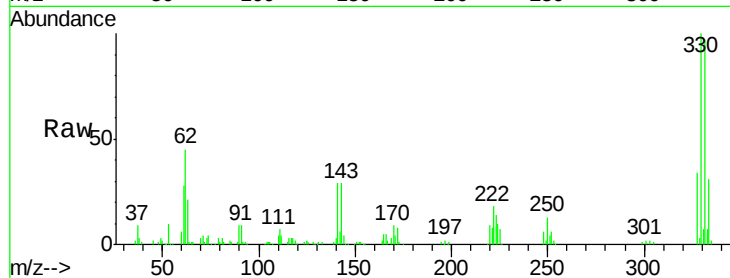




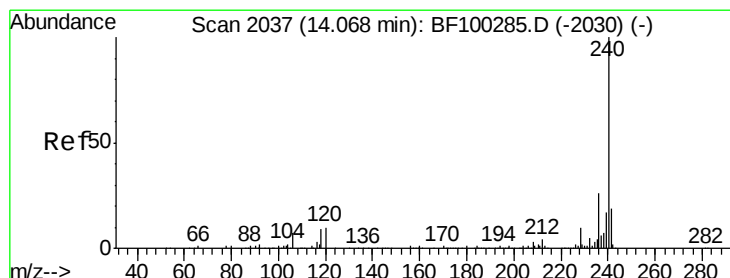
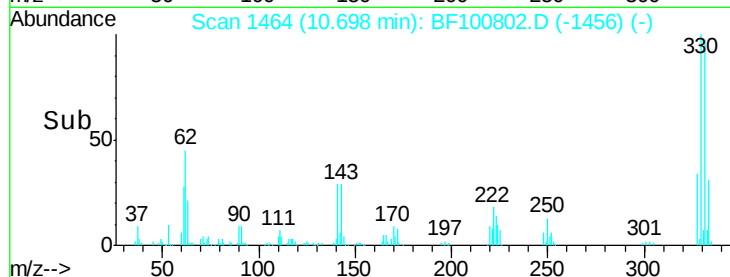
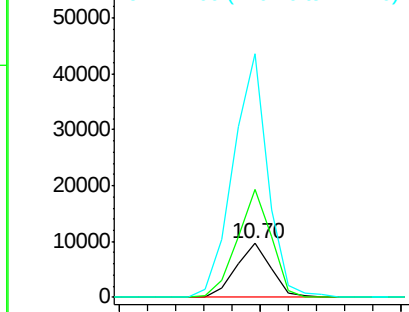
#66
4-Bromophenyl-phenylether
Concen: 3.28 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.25 min
Lab File: BF100802.D
Acq: 22 Nov 2017 1:59

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 8299
Ion Ratio Lower Upper
248 100
250 199.6 76.9 115.3#
141 450.8 74.4 111.6#

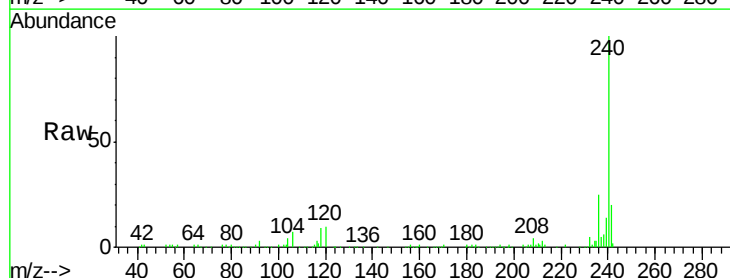


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

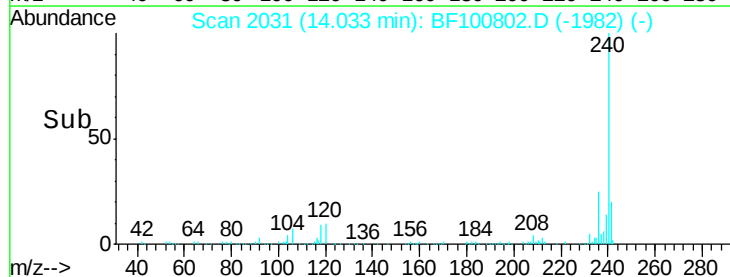
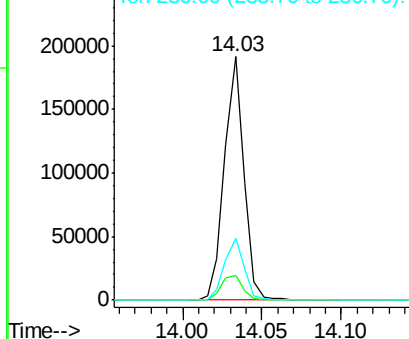


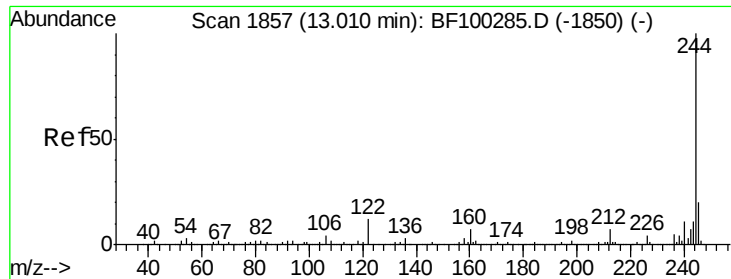
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF100802.D
Acq: 22 Nov 2017 1:59

Tgt Ion:240 Resp: 162809
Ion Ratio Lower Upper
240 100
120 10.4 9.5 14.3
236 25.4 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

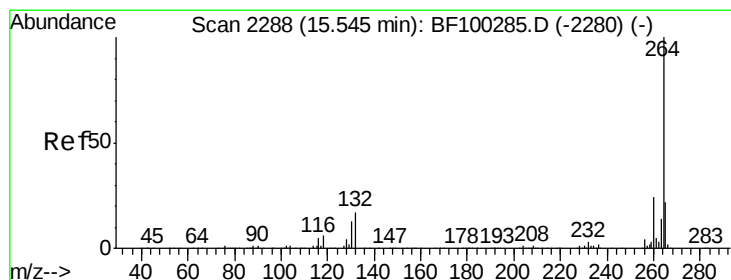
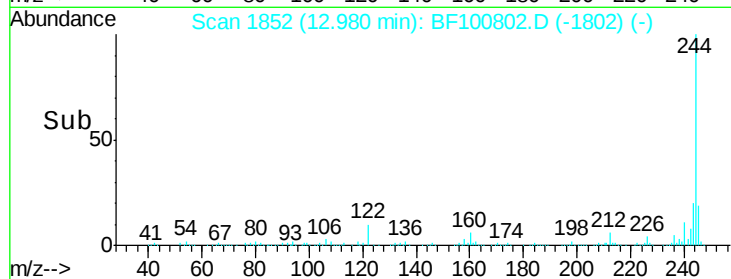
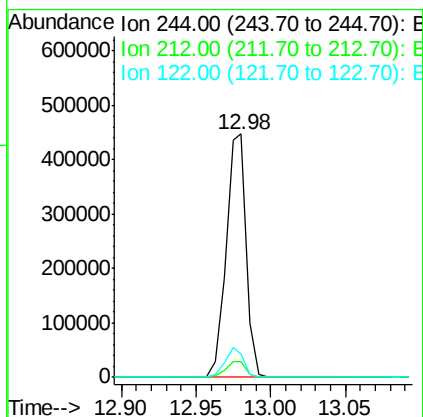
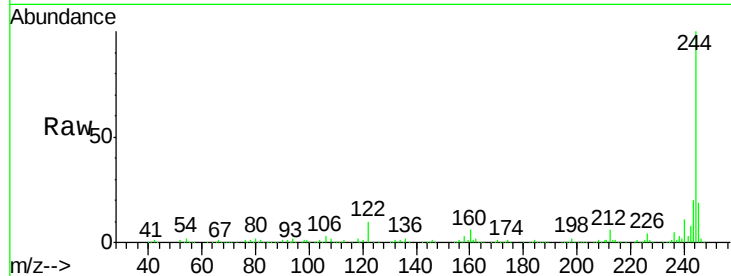




#78
 Terphenyl-d14
 Concen: 60.15 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF100802.D
 Acq: 22 Nov 2017 1:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 426204
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 9.5 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.51 min Scan# 2282
 Delta R.T. -0.01 min
 Lab File: BF100802.D
 Acq: 22 Nov 2017 1:59

Tgt Ion:264 Resp: 153107
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.2 28.8
 265 21.4 17.5 26.3

