

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
 Data File : BF103993.D
 Acq On : 28 Mar 2018 1:36
 Operator : JU/SJ
 Sample : J2048-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 28 04:03:38 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

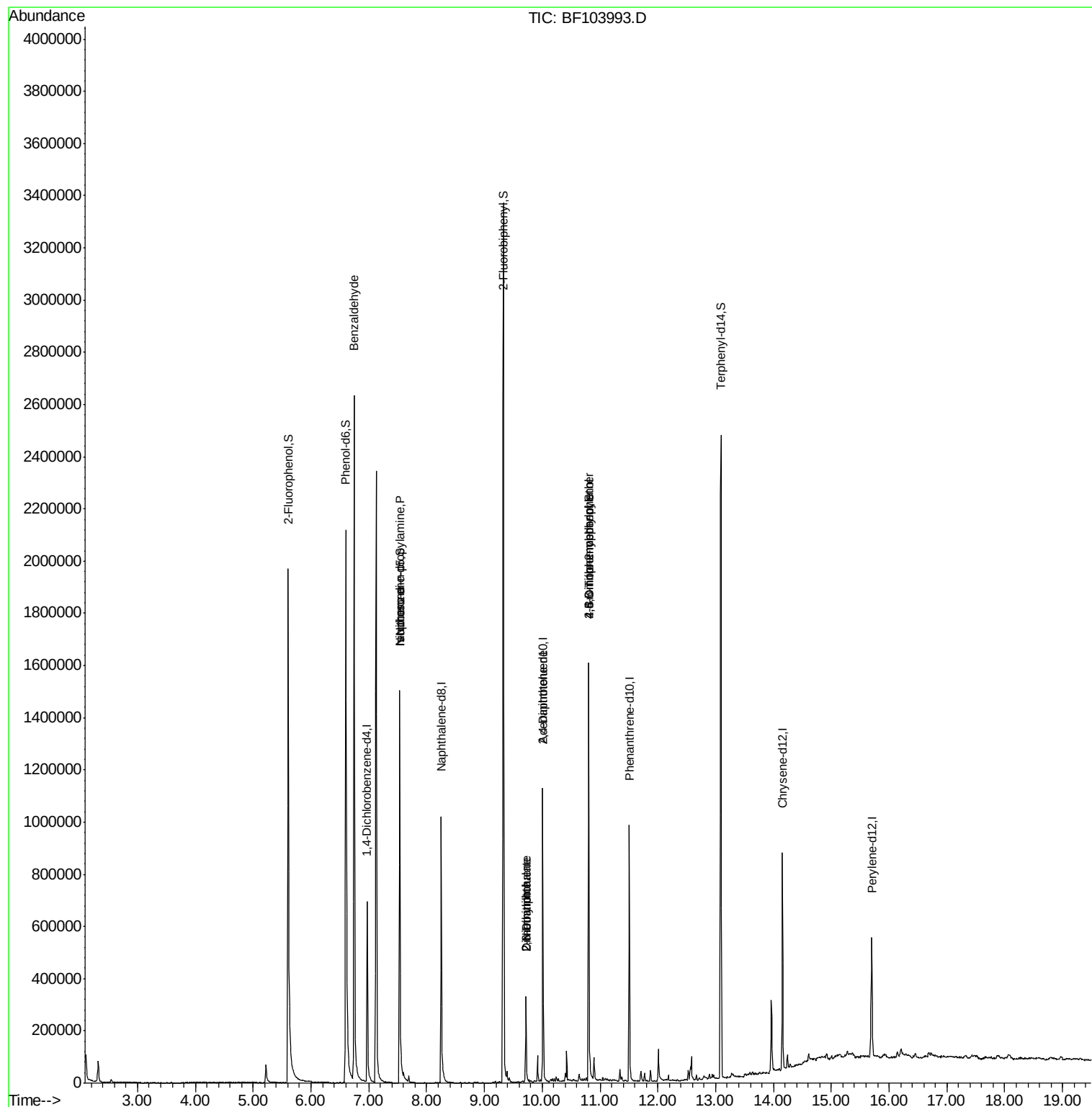
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	140825	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	558799	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	237047	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	370493	20.00	ng	0.00
75) Chrysene-d12	14.16	240	271785	20.00	ng	-0.01
86) Perylene-d12	15.70	264	220417	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	886596	95.76	ng	0.01
7) Phenol-d6	6.60	99	1119207	98.81	ng	0.00
23) Nitrobenzene-d5	7.53	82	637552	79.56	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	222045	108.94	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1150652	77.43	ng	0.00
78) Terphenyl-d14	13.09	244	862827	73.69	ng	0.00
Target Compounds						
9) Benzaldehyde	6.75	77	18170	2.442	ng	87
19) n-Nitroso-di-n-propylamine	7.53	70	82320	11.340	ng	# 72
25) Isophorone	7.53	82	637549	34.370	ng	# 64
47) 2-Nitroaniline	9.72	65	1049	7.033	ng	# 1
49) Dimethylphthalate	9.72	163	141907	7.846	ng	100
50) 2,6-Dinitrotoluene	9.72	165	1405	4.352	ng	# 38
56) 2,4-Dinitrotoluene	10.01	165	30340	12.173	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	183	8.264	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	12724	3.345	ng	# 1

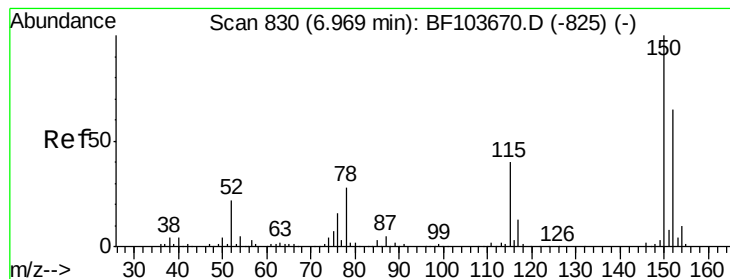
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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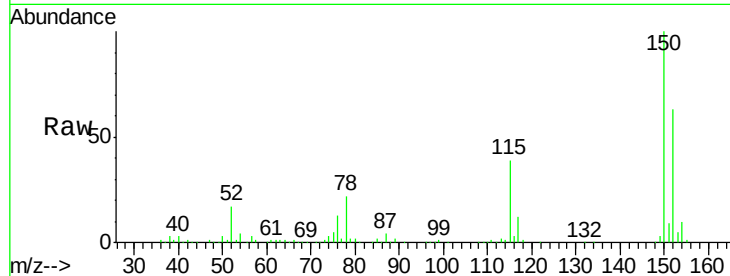


#1

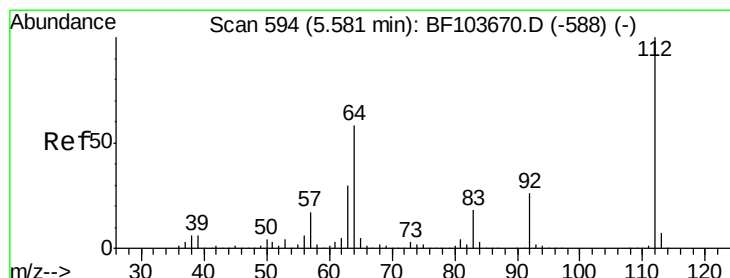
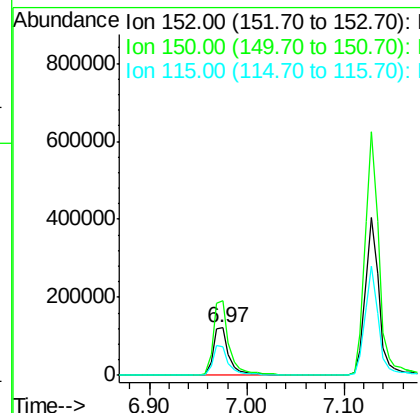
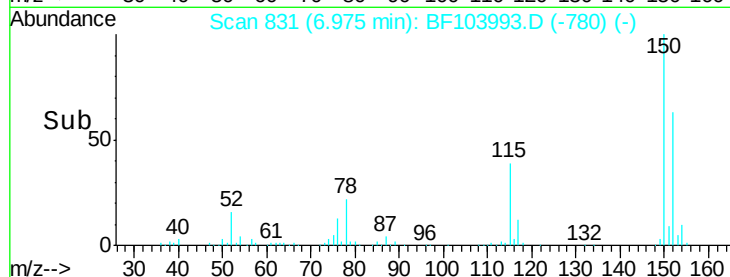
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF103993.D
Acq: 28 Mar 2018 1:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 140825
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 60.9 50.1 75.1



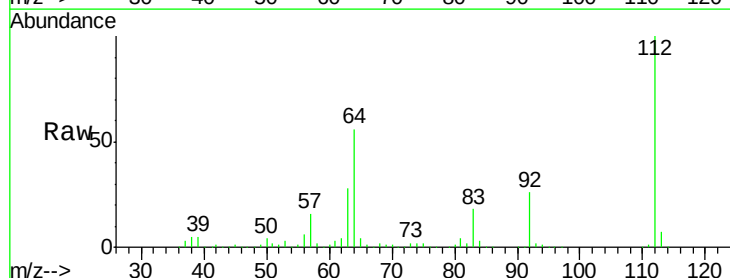
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



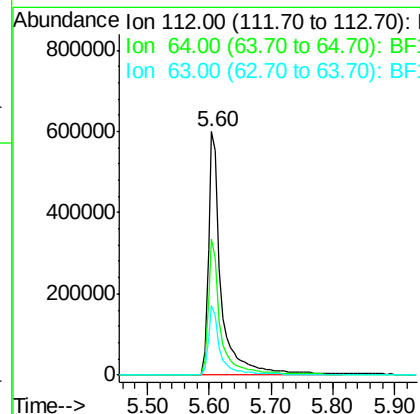
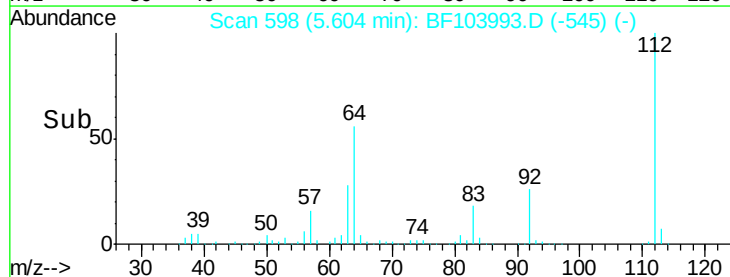
#5

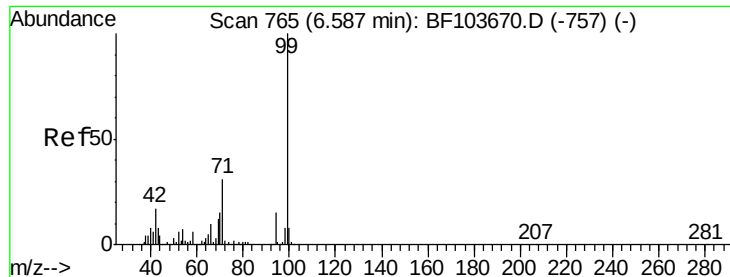
2-Fluorophenol
Concen: 95.758 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF103993.D
Acq: 28 Mar 2018 1:36

Tgt Ion:112 Resp: 886596
Ion Ratio Lower Upper
112 100
64 56.1 47.9 71.9
63 28.4 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: 98.805 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF103993.D

Acq: 28 Mar 2018 1:36

Instrument :

BNA_F

ClientSampled :

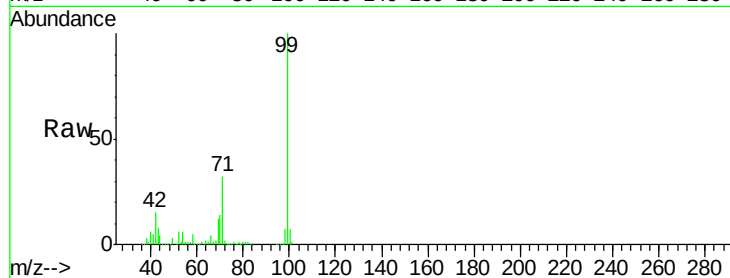
Tot Ion: 99 Resp: 1119207

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

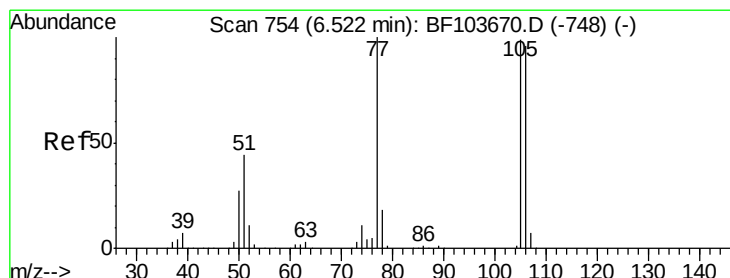
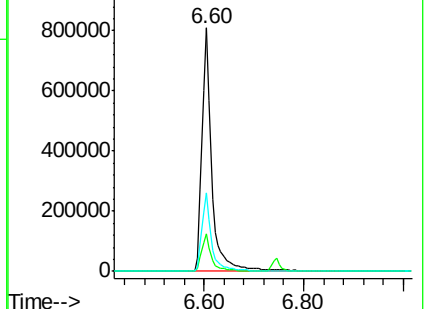
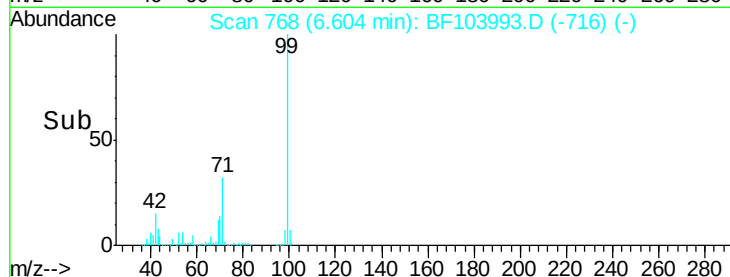
71 32.3 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.442 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103993.D

Acq: 28 Mar 2018 1:36

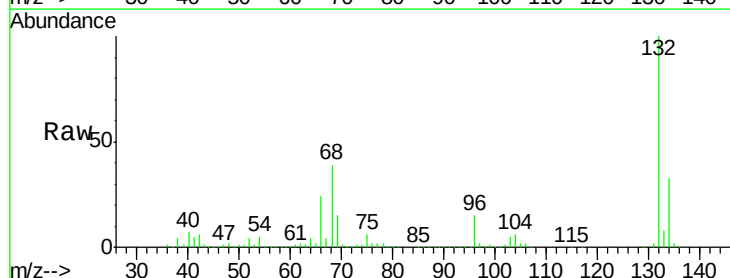
Tgt Ion: 77 Resp: 18170

Ion Ratio Lower Upper

77 100

105 88.5 81.1 121.1

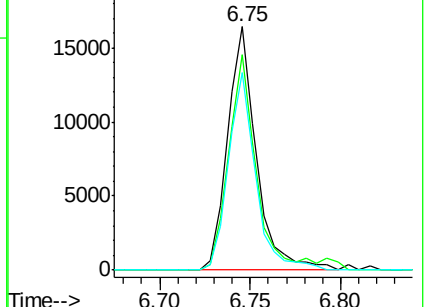
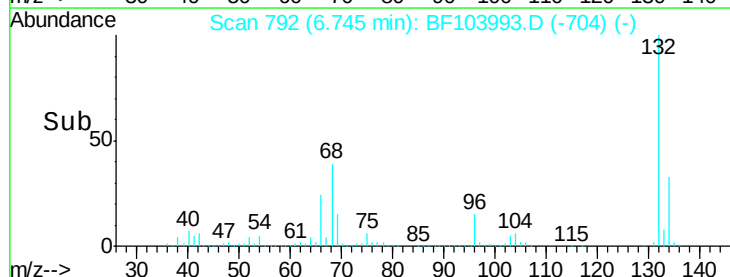
106 81.4 74.5 114.5

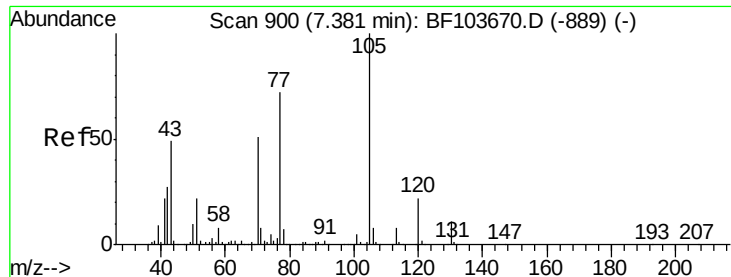


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

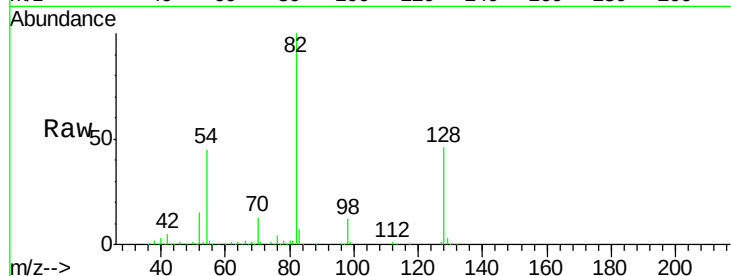




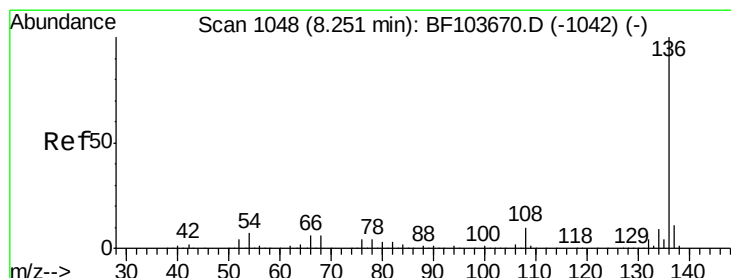
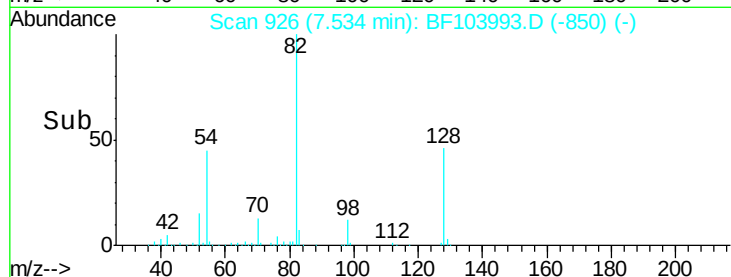
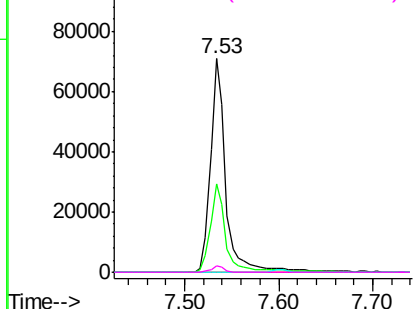
#19
n-Nitroso-di-n-propylamine
Concen: 11.340 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.15 min
Lab File: BF103993.D
Acq: 28 Mar 2018 1:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 82320
Ion Ratio Lower Upper
70 100
42 41.4 47.5 71.3#
101 0.0 7.4 11.2#
130 2.9 16.6 25.0#

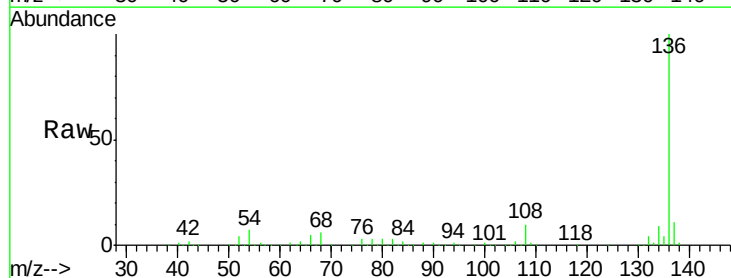


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

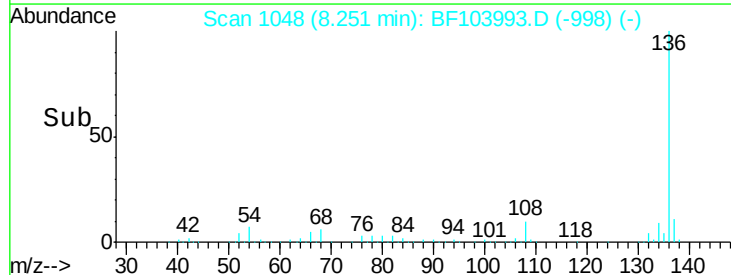
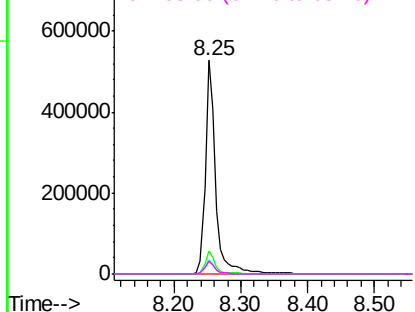


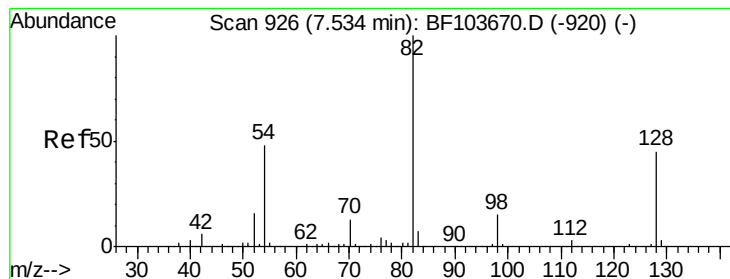
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BF103993.D
Acq: 28 Mar 2018 1:36

Tgt Ion: 136 Resp: 558799
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 6.8 6.6 9.8
68 6.0 5.0 7.4



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





#23

Nitrobenzene-d5

Concen: 79.564 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF103993.D

Acq: 28 Mar 2018 1:36

Instrument :

BNA_F

ClientSampleId :

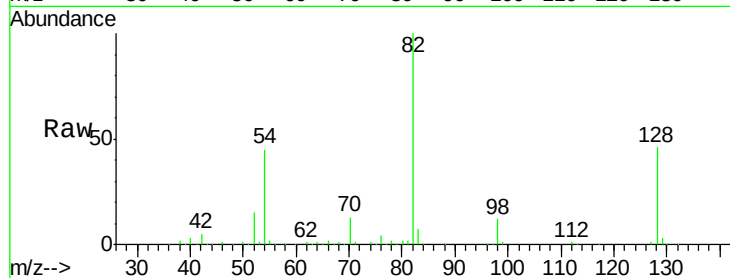
Tot Ion: 82 Resp: 637552

Ion Ratio Lower Upper

82 100

128 45.9 36.1 54.1

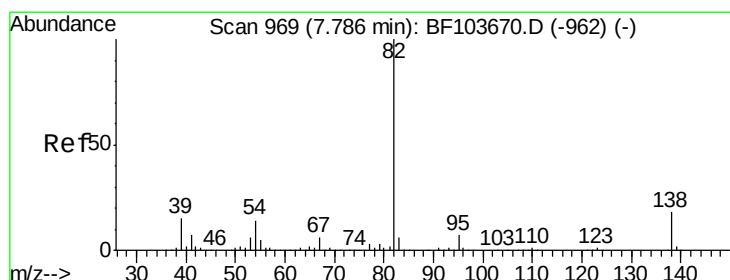
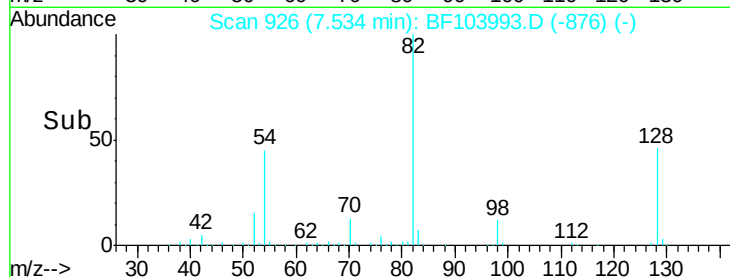
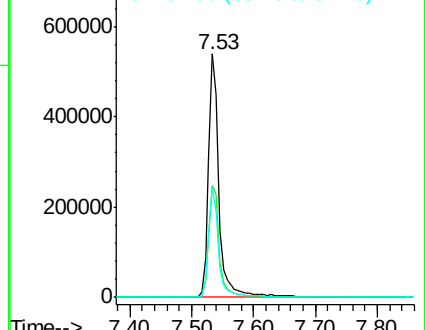
54 44.7 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 34.370 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.26 min

Lab File: BF103993.D

Acq: 28 Mar 2018 1:36

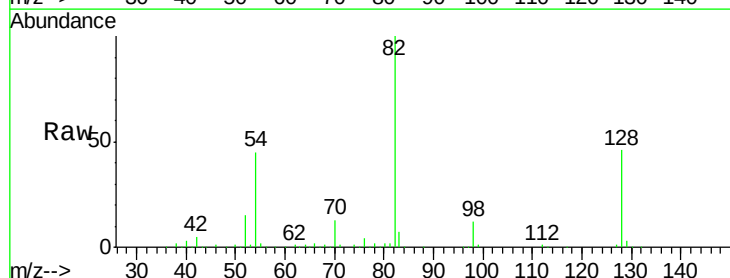
Tgt Ion: 82 Resp: 637549

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

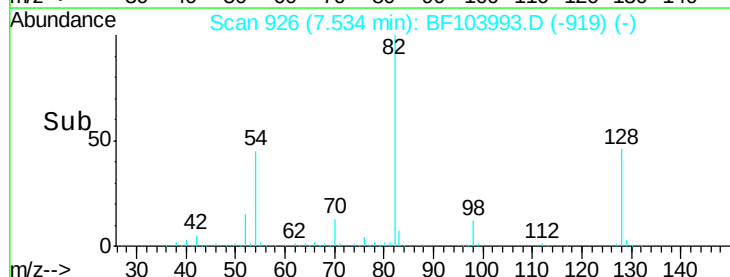
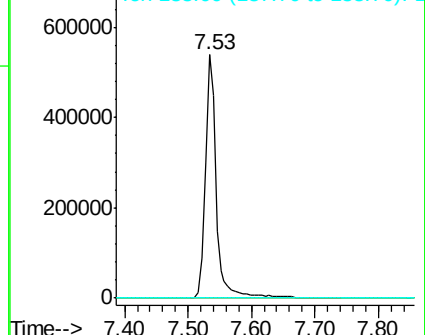
138 0.0 14.9 22.3#

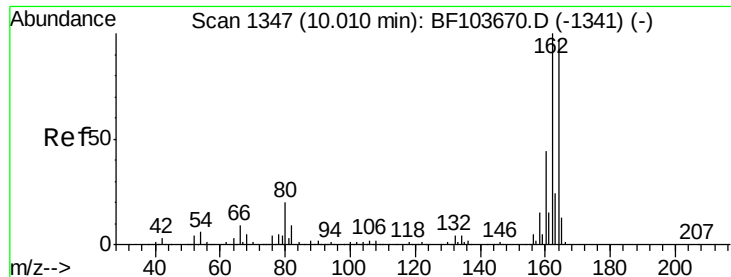


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

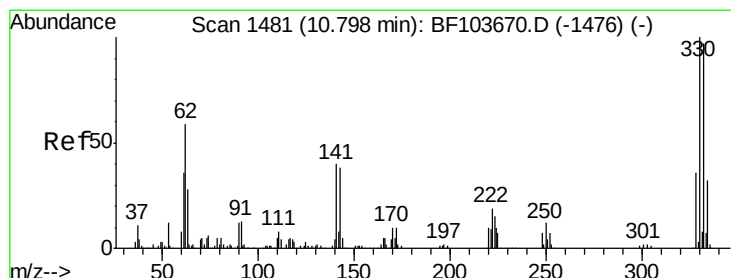
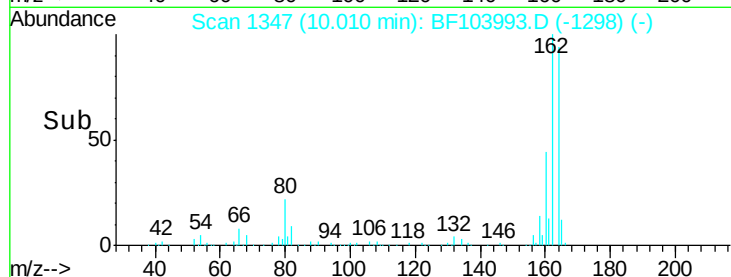
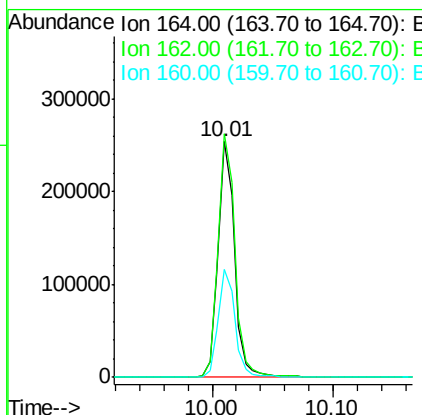
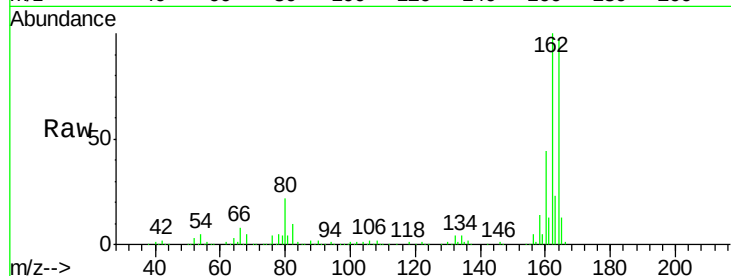




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: BF103993.D
 Acq: 28 Mar 2018 1:36

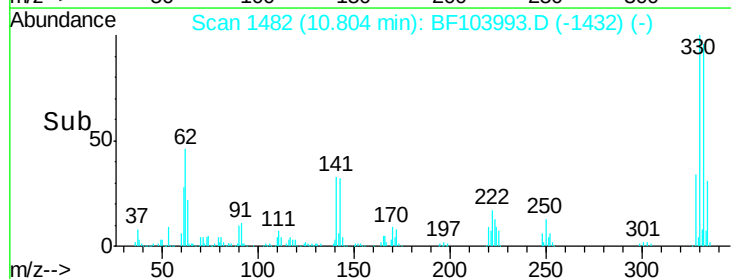
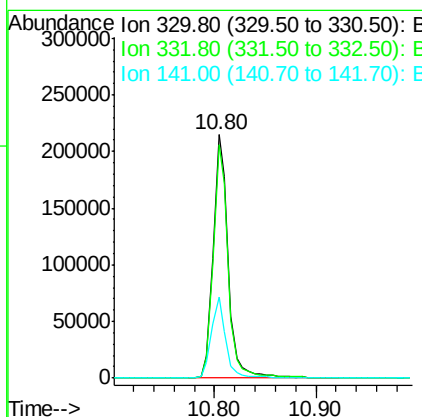
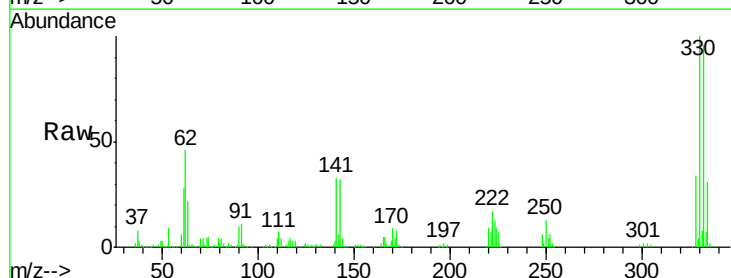
Instrument :
 BNA_F
 ClientSampleId :

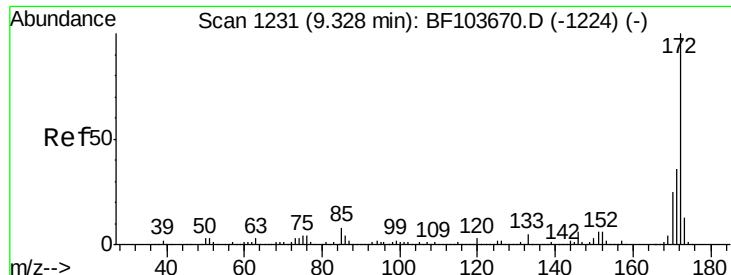
Tot Ion:164 Resp: 237047
 Ion Ratio Lower Upper
 164 100
 162 103.3 86.1 129.1
 160 45.8 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 108.945 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF103993.D
 Acq: 28 Mar 2018 1:36

Tgt Ion:330 Resp: 222045
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 32.3 29.9 44.9

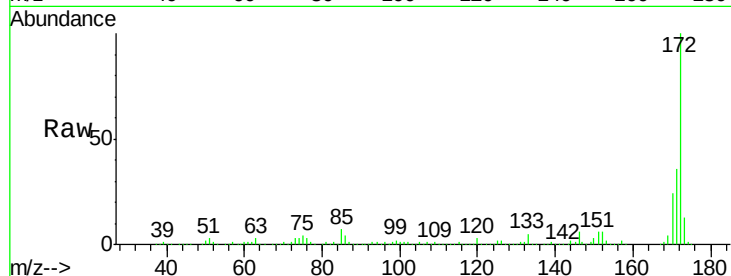




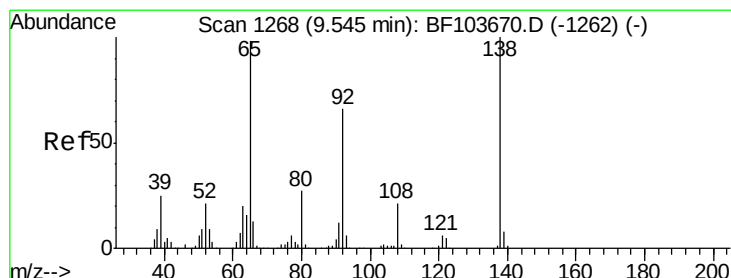
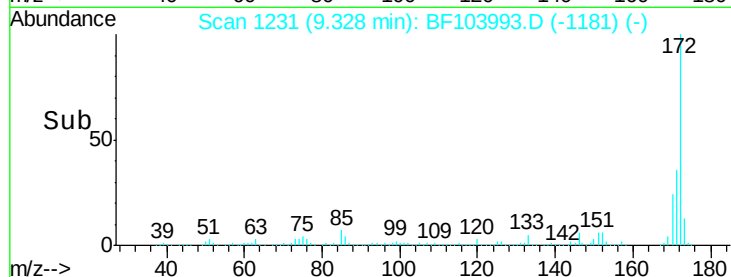
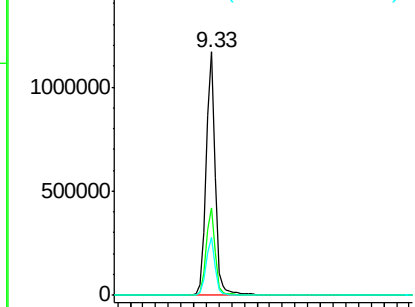
#44
2-Fluorobiphenyl
Concen: 77.430 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF103993.D
Acq: 28 Mar 2018 1:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1150652
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 23.9 19.6 29.4

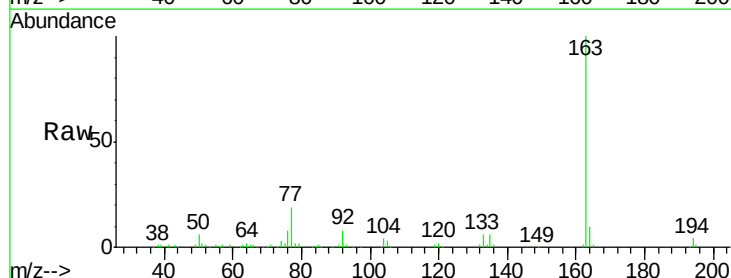


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

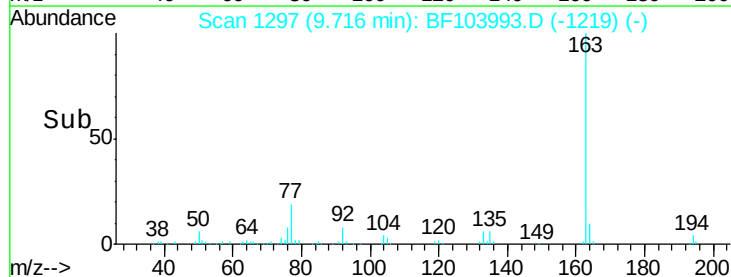
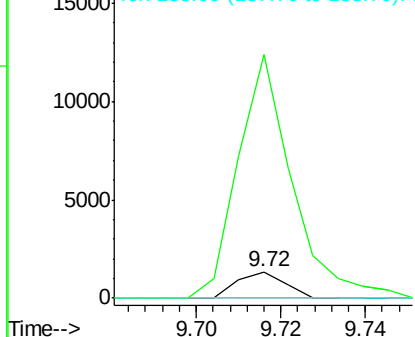


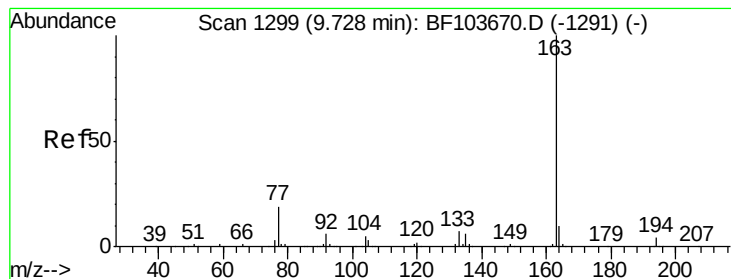
#47
2-Nitroaniline
Concen: 7.033 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.16 min
Lab File: BF103993.D
Acq: 28 Mar 2018 1:36

Tgt Ion: 65 Resp: 1049
Ion Ratio Lower Upper
65 100
92 934.6 55.8 83.6#
138 0.0 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





#49

Dimethylphthalate

Concen: 7.846 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF103993.D

Acq: 28 Mar 2018 1:36

Instrument :

BNA_F

ClientSampleId :

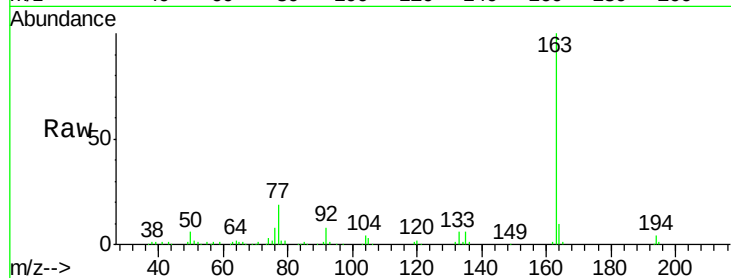
Tot Ion:163 Resp: 141907

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

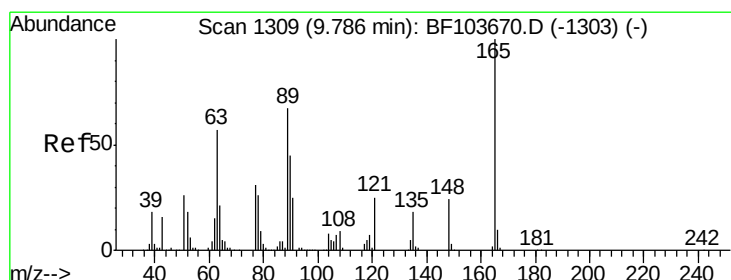
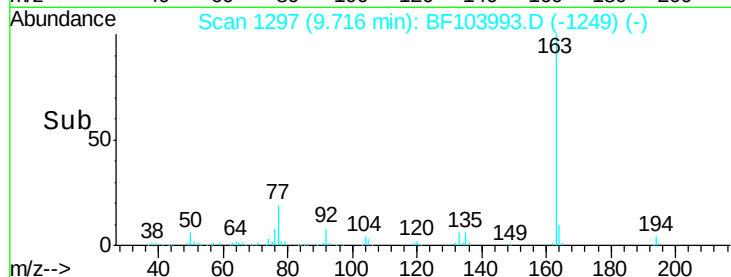
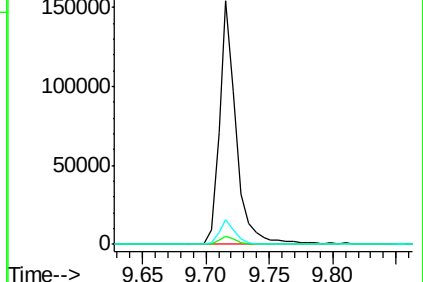
164 10.2 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 4.352 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.08 min

Lab File: BF103993.D

Acq: 28 Mar 2018 1:36

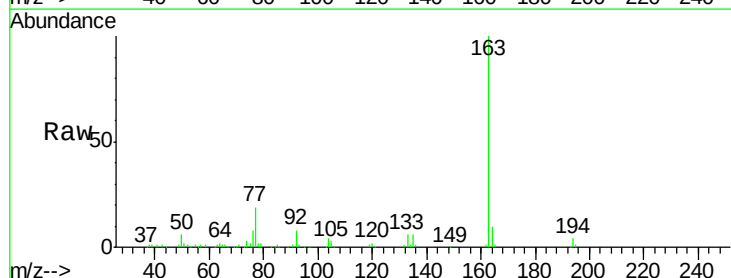
Tgt Ion:165 Resp: 1405

Ion Ratio Lower Upper

165 100

63 110.6 44.7 67.1#

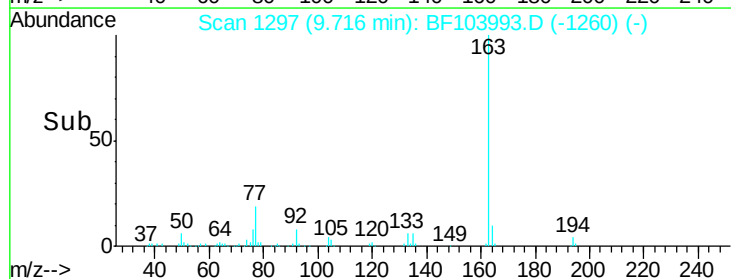
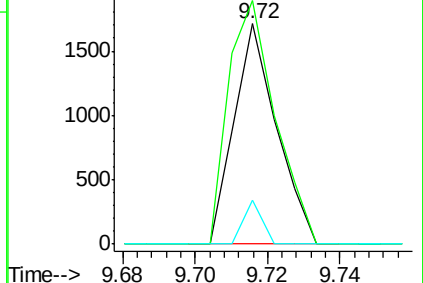
89 19.7 44.0 66.0#

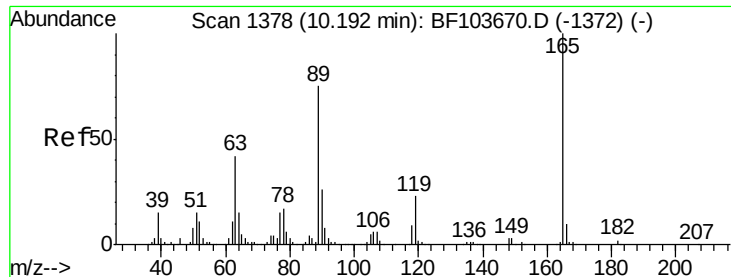


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

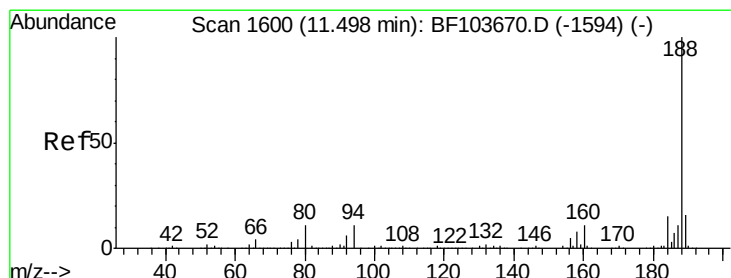
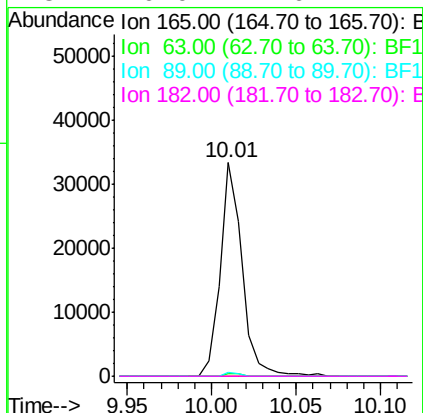
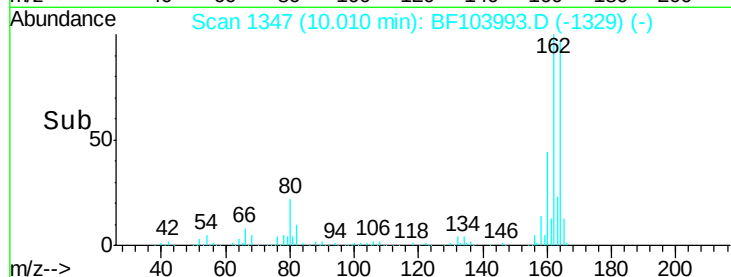
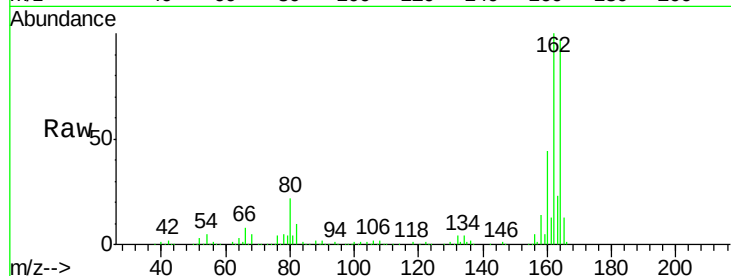




#56
 2,4-Dinitrotoluene
 Concen: 12.173 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.19 min
 Lab File: BF103993.D
 Acq: 28 Mar 2018 1:36

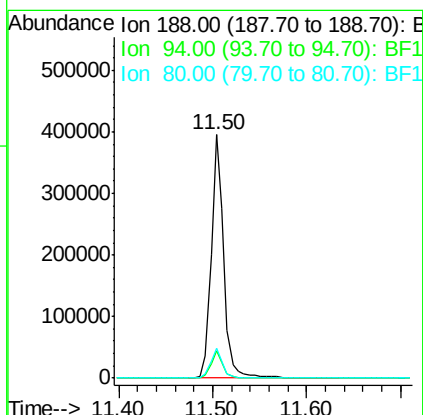
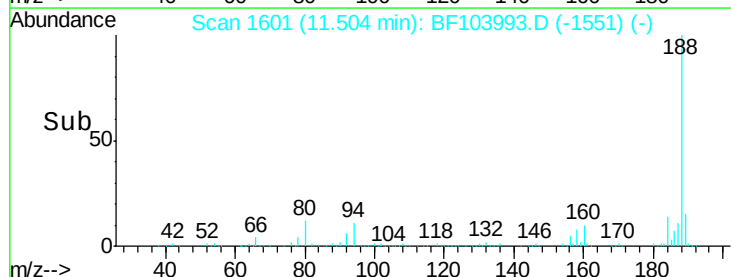
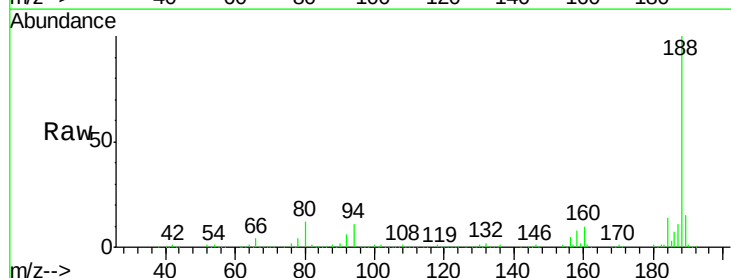
Instrument :
 BNA_F
 ClientSampled :

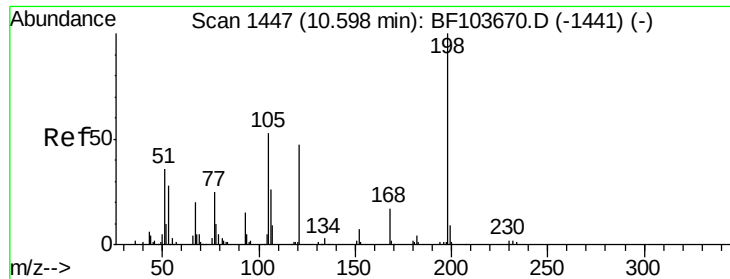
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF103993.D
 Acq: 28 Mar 2018 1:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.5	12.7
80	12.1	9.2	13.8

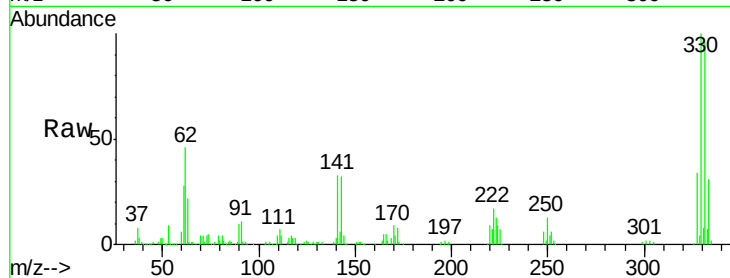




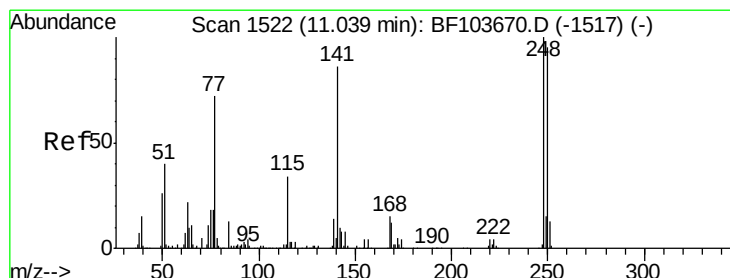
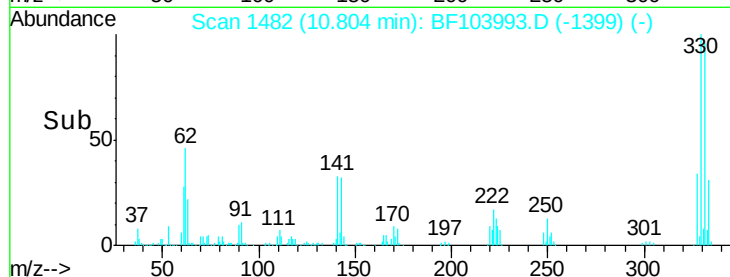
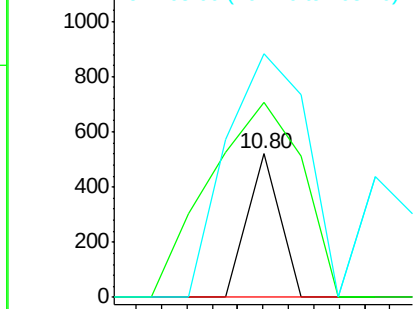
#64
4,6-Dinitro-2-methylphenol
Concen: 8.264 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.19 min
Lab File: BF103993.D
Acq: 28 Mar 2018 1:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 183
Ion Ratio Lower Upper
198 100
51 135.6 37.7 77.7#
105 169.6 36.3 76.3#

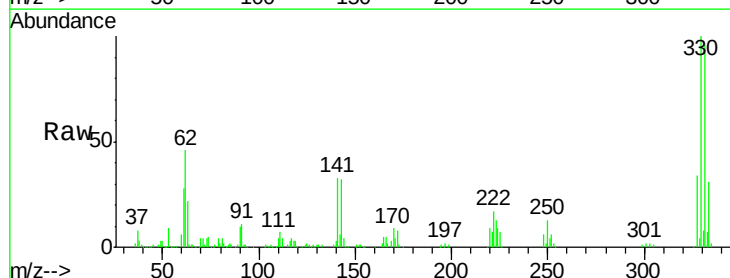


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

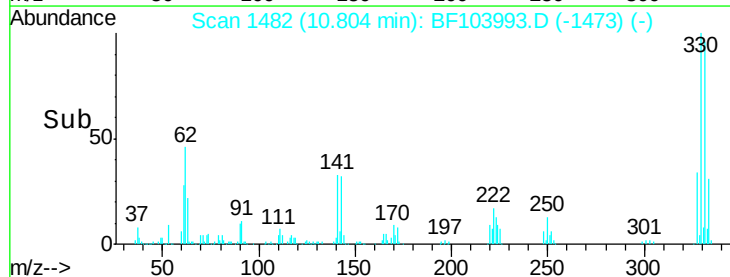
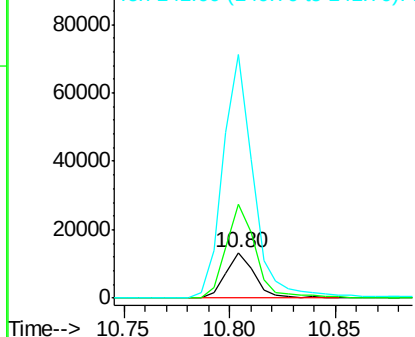


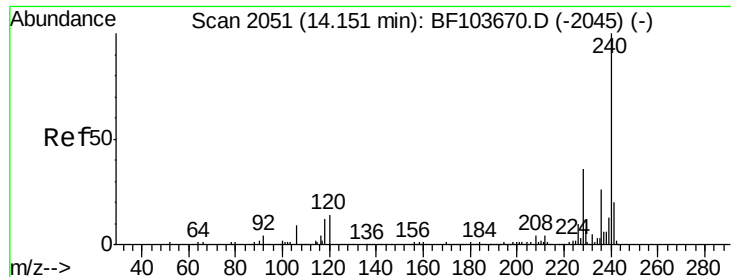
#66
4-Bromophenyl-phenylether
Concen: 3.345 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.25 min
Lab File: BF103993.D
Acq: 28 Mar 2018 1:36

Tgt Ion:248 Resp: 12724
Ion Ratio Lower Upper
248 100
250 205.5 76.9 115.3#
141 534.3 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: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF103993.D

Acq: 28 Mar 2018 1:36

Instrument :

BNA_F

ClientSampleId :

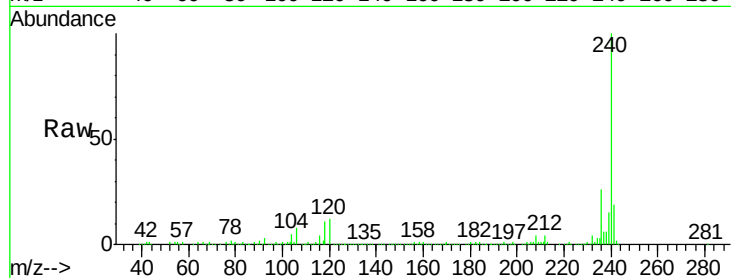
Tot Ion:240 Resp: 271785

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

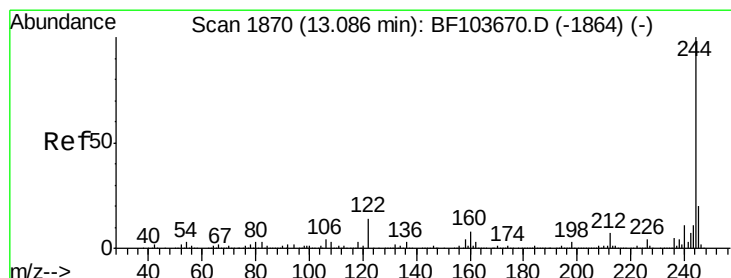
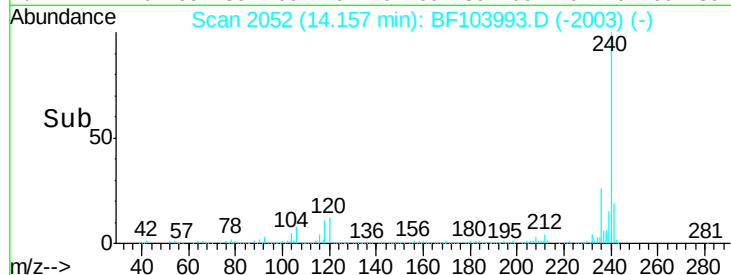
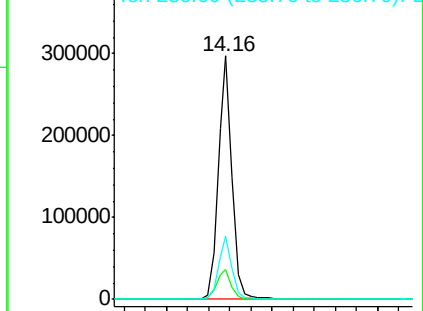
236 26.1 20.7 31.1



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: 73.689 ng

RT: 13.09 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BF103993.D

Acq: 28 Mar 2018 1:36

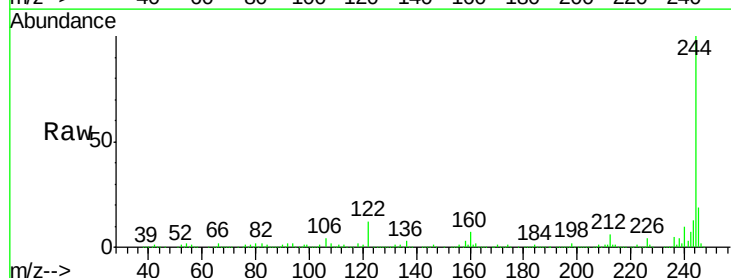
Tgt Ion:244 Resp: 862827

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

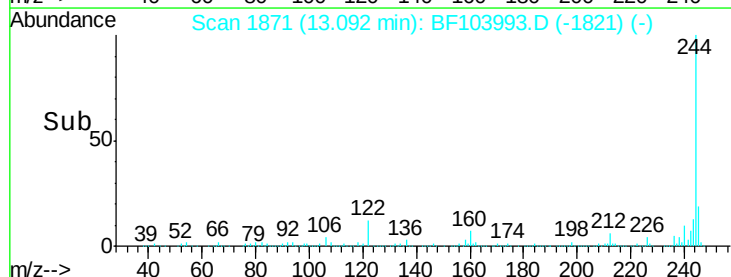
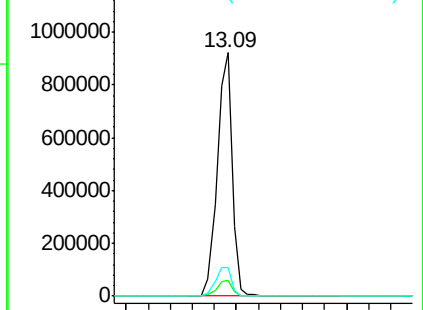
122 11.6 11.0 16.4

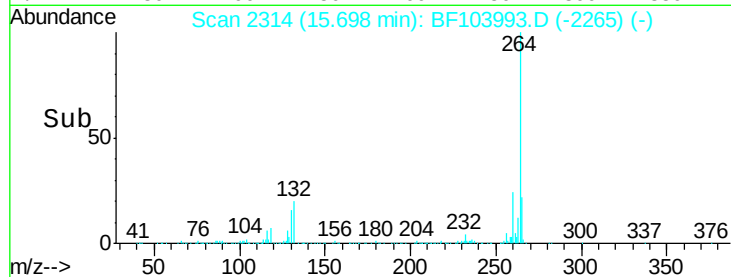
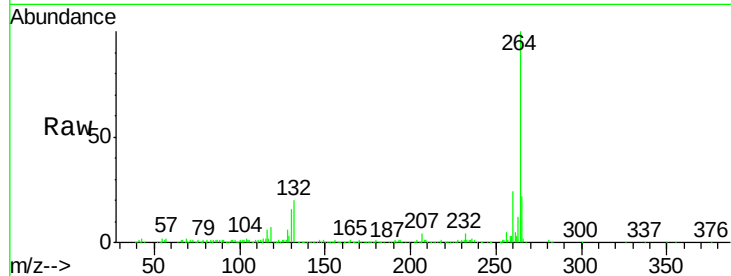
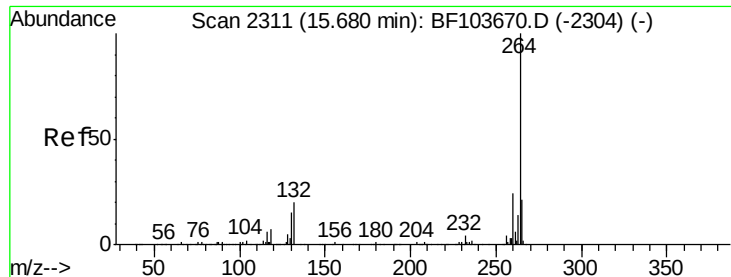


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.70 min Scan# 2314
 Delta R.T. -0.01 min
 Lab File: BF103993.D
 Acq: 28 Mar 2018 1:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.6	17.5	26.3

