

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
 Data File : BF100893.D
 Acq On : 27 Nov 2017 15:46
 Operator : SJ/JU
 Sample : I6570-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

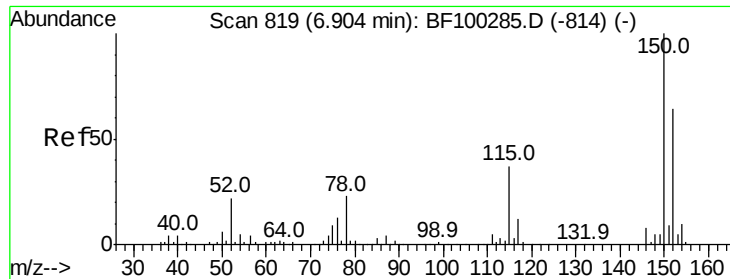
Quant Time: Nov 27 21:57:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 27 14:11:25 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	77928	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	306735	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	142965	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	272051	20.00	ng	0.00
75) Chrysene-d12	14.02	240	166991	20.00	ng	0.00
86) Perylene-d12	15.49	264	166984	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	431455	88.75	ng	0.00
7) Phenol-d6	6.49	99	534938	89.23	ng	0.00
23) Nitrobenzene-d5	7.42	82	331019	71.35	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	153199	105.16	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	694290	73.95	ng	0.00
78) Terphenyl-d14	12.97	244	634980	87.37	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.63	77	9427	2.202	ng	85
10) Phenol	6.50	94	16784	2.667	ng	97
19) n-Nitroso-di-n-propylamine	7.42	70	43622	10.493	ng	# 81
25) Isophorone	7.42	82	331015	33.952	ng	# 64
47) 2-Nitroaniline	9.60	65	601	2.998	ng	# 1
49) Dimethylphthalate	9.60	163	80201	7.347	ng	99
56) 2,4-Dinitrotoluene	9.89	165	18290	6.710	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.68	198	245	8.717	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	9829	3.370	ng	# 1

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

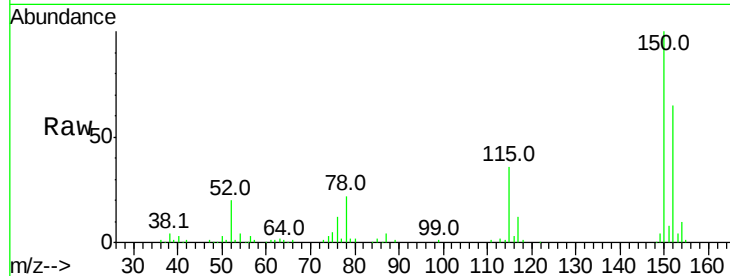


#1

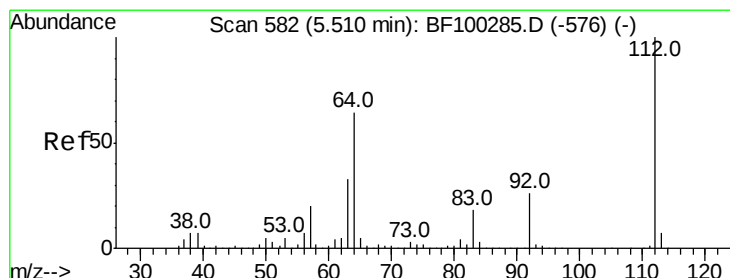
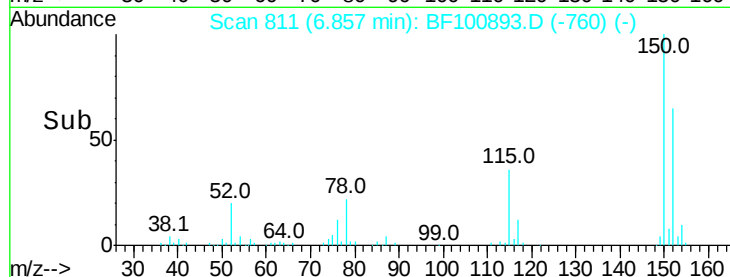
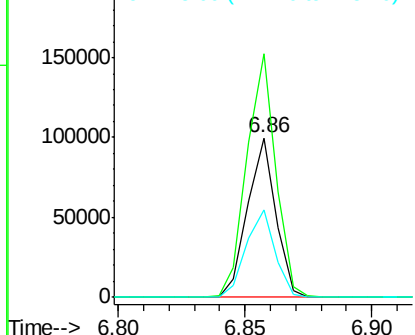
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF100893.D
Acq: 27 Nov 2017 15:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 77928
Ion Ratio Lower Upper
152 100
150 152.7 124.6 186.8
115 54.5 50.1 75.1



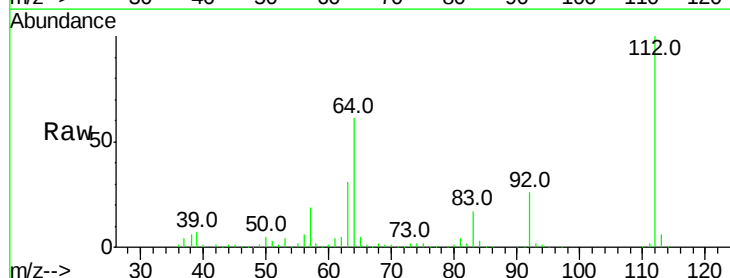
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



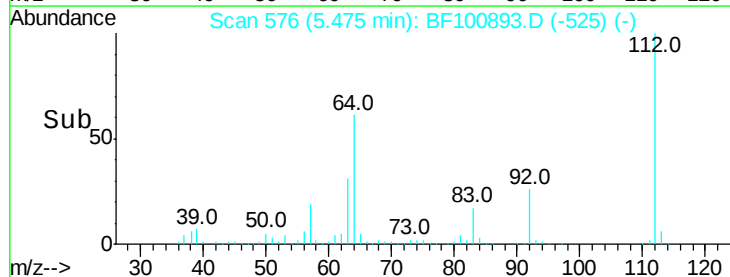
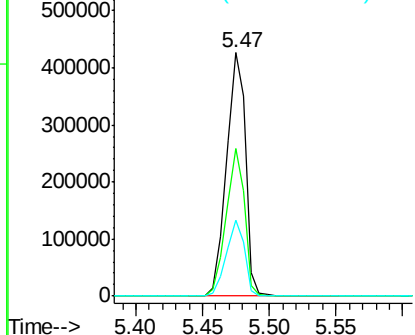
#5

2-Fluorophenol
Concen: 88.751 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.00 min
Lab File: BF100893.D
Acq: 27 Nov 2017 15:46

Tgt Ion:112 Resp: 431455
Ion Ratio Lower Upper
112 100
64 60.7 47.9 71.9
63 31.4 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: 89.234 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF100893.D

Acq: 27 Nov 2017 15:46

Instrument :

BNA_F

ClientSampleId :

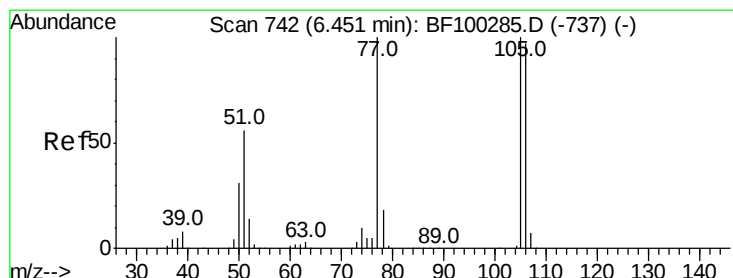
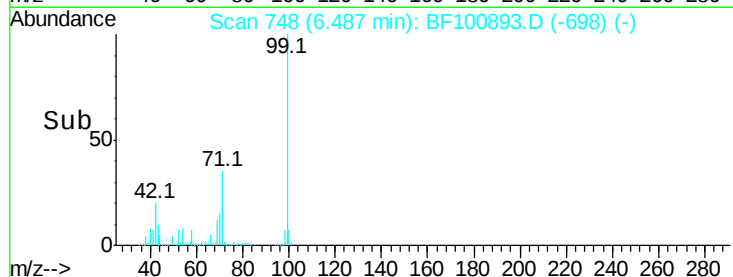
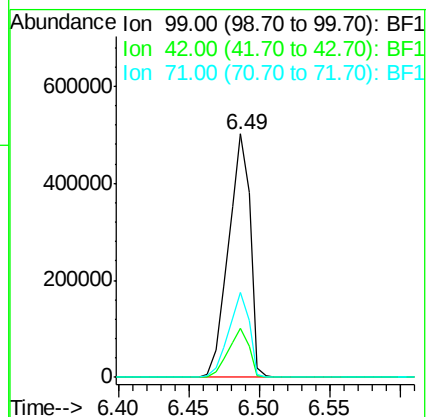
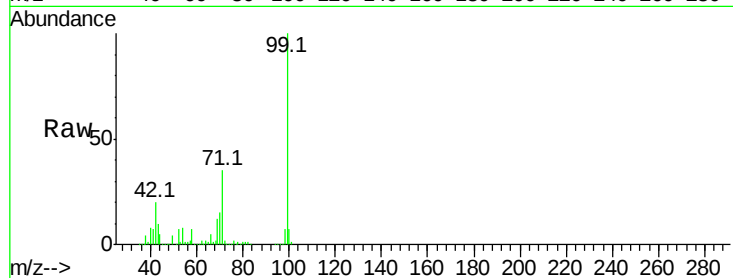
Tot Ion: 99 Resp: 534938

Ion Ratio Lower Upper

99 100

42 20.4 14.5 21.7

71 34.7 25.4 38.0



#9

Benzaldehyde

Concen: 2.202 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.22 min

Lab File: BF100893.D

Acq: 27 Nov 2017 15:46

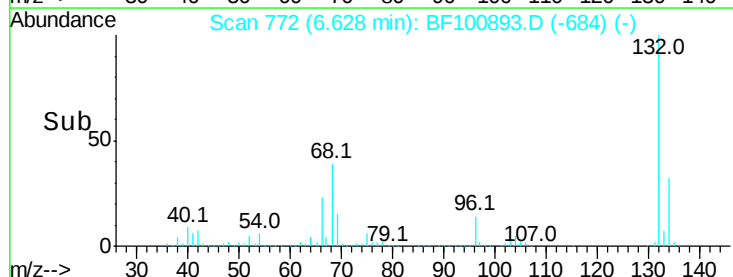
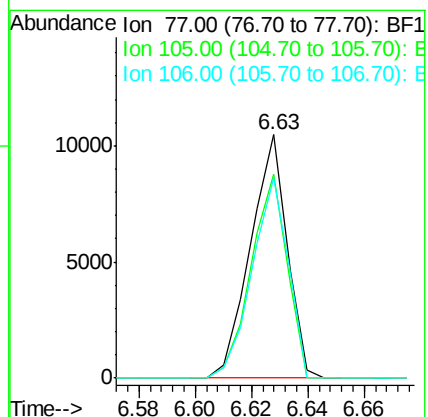
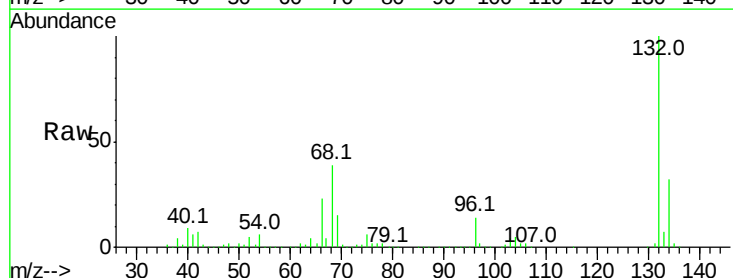
Tgt Ion: 77 Resp: 9427

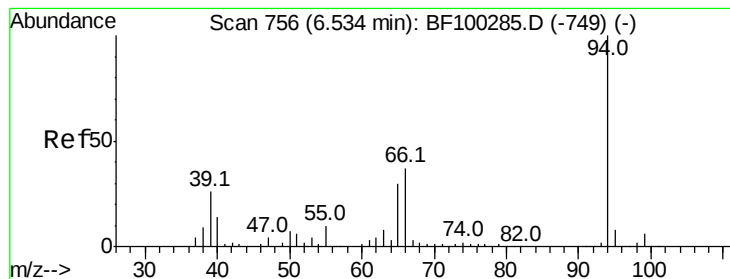
Ion Ratio Lower Upper

77 100

105 83.9 81.1 121.1

106 82.1 74.5 114.5





#10

Phenol

Concen: 2.667 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100893.D

Acq: 27 Nov 2017 15:46

Instrument :
BNA_F
ClientSampleId :

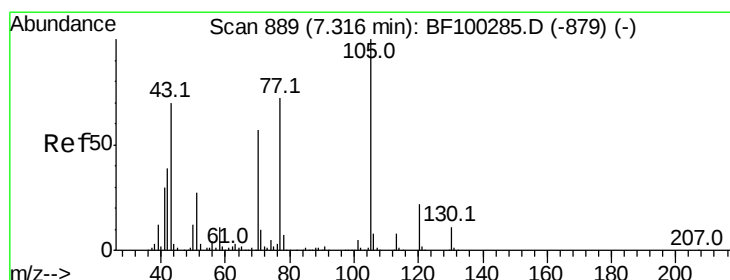
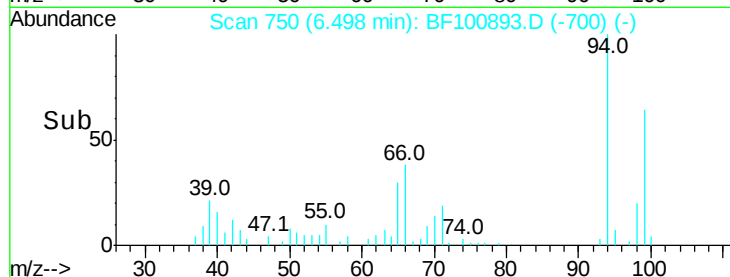
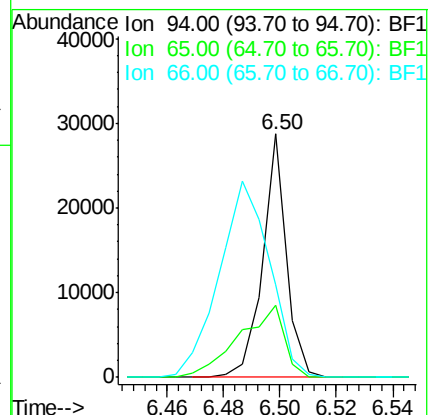
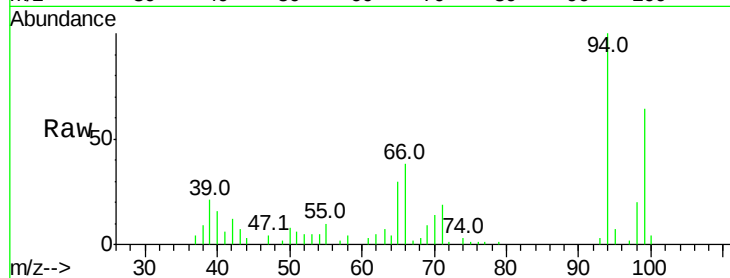
Tot Ion: 94 Resp: 16784

Ion Ratio Lower Upper

94 100

65 29.7 7.9 47.9

66 37.8 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 10.493 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF100893.D

Acq: 27 Nov 2017 15:46

Tgt Ion: 70 Resp: 43622

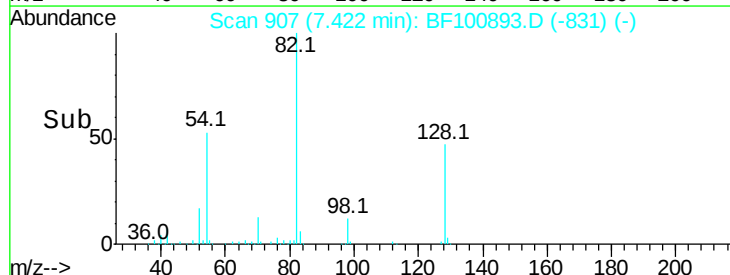
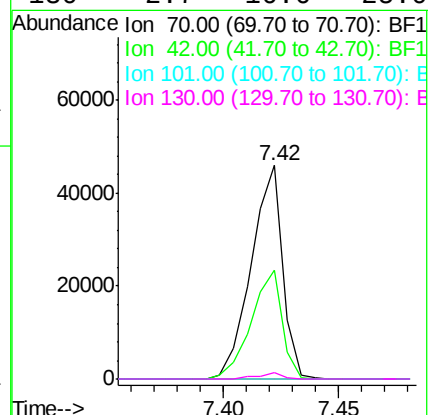
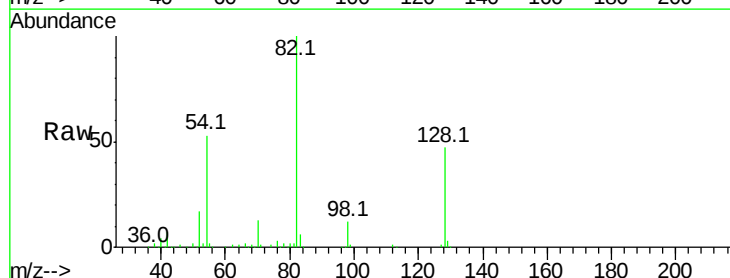
Ion Ratio Lower Upper

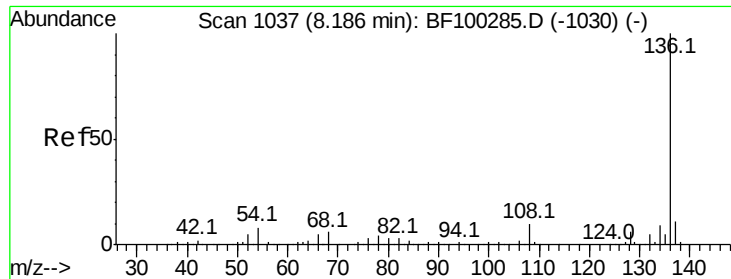
70 100

42 50.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

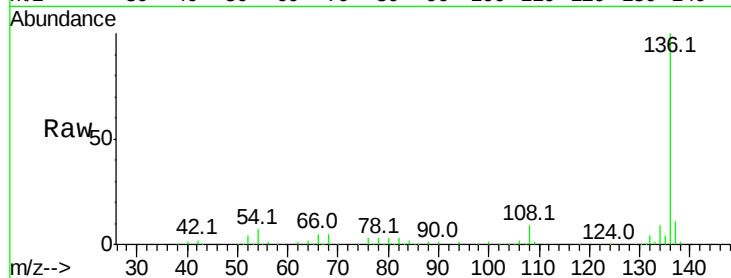




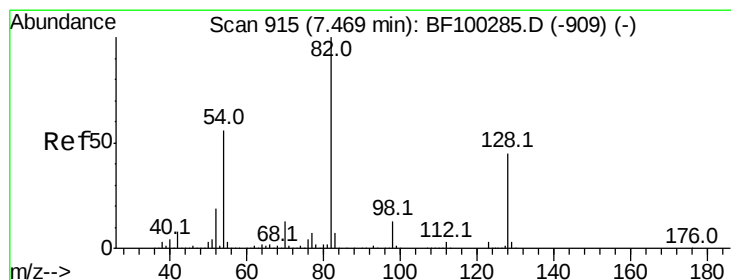
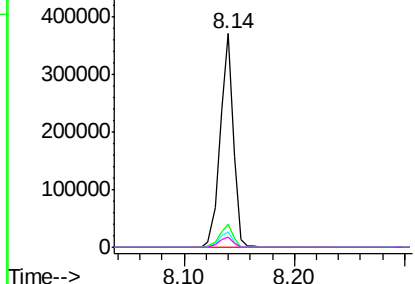
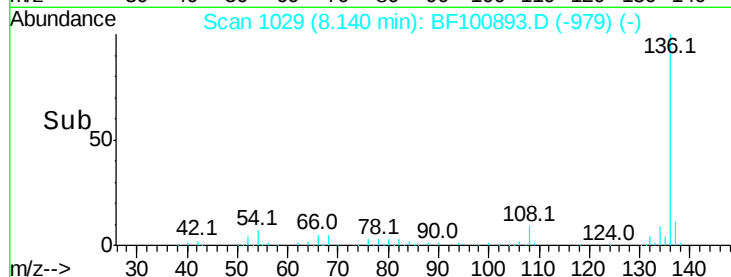
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF100893.D
Acq: 27 Nov 2017 15:46

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	306735
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.2	6.6	9.8
68	4.5	5.0	7.4#

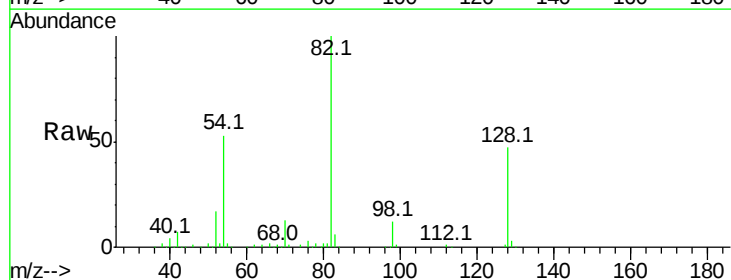


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

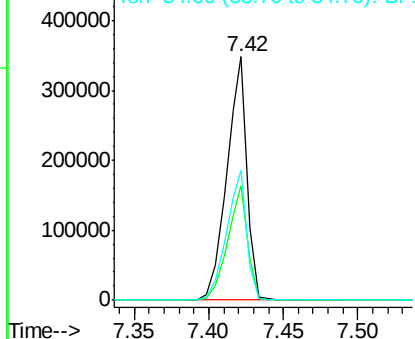
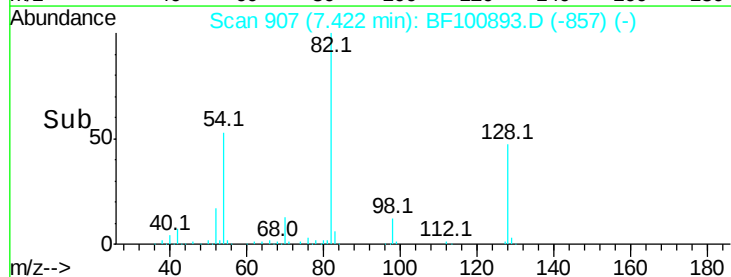


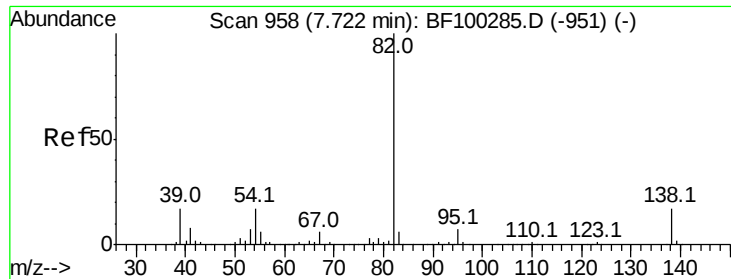
#23
Nitrobenzene-d5
Concen: 71.348 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF100893.D
Acq: 27 Nov 2017 15:46

Tgt Ion:	82	Resp:	331019
Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.1	54.1
54	53.1	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: 33.952 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF100893.D

Acq: 27 Nov 2017 15:46

Instrument :

BNA_F

ClientSampled :

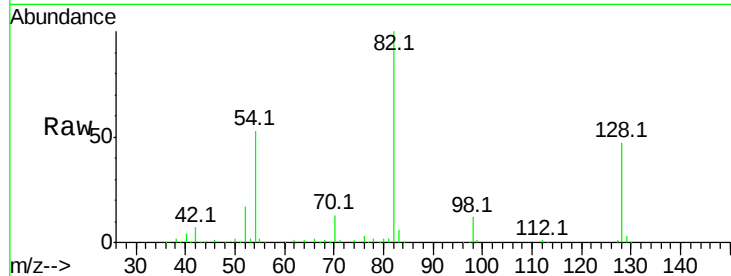
Tot Ion: 82 Resp: 331015

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

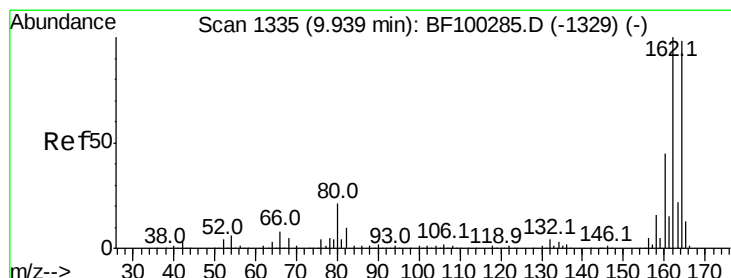
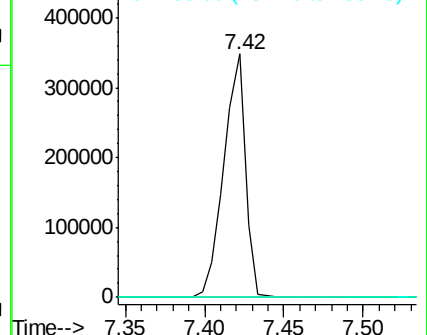
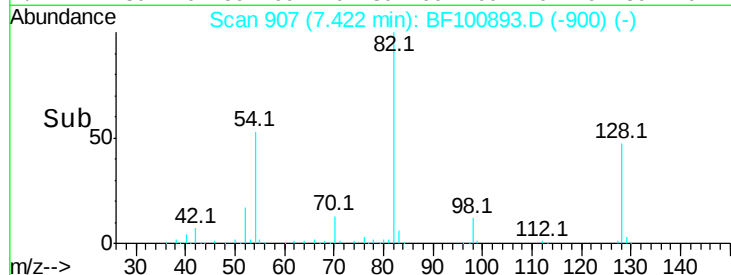
138 0.0 14.9 22.3#



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: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF100893.D

Acq: 27 Nov 2017 15:46

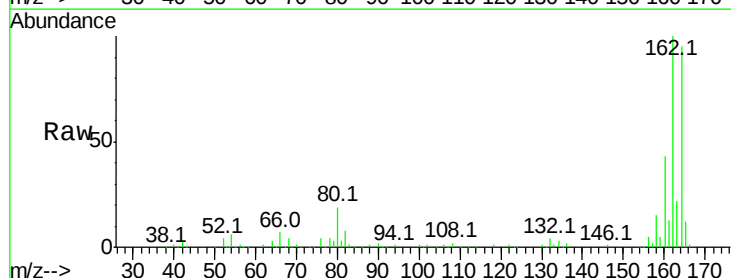
Tgt Ion: 164 Resp: 142965

Ion Ratio Lower Upper

164 100

162 105.8 86.1 129.1

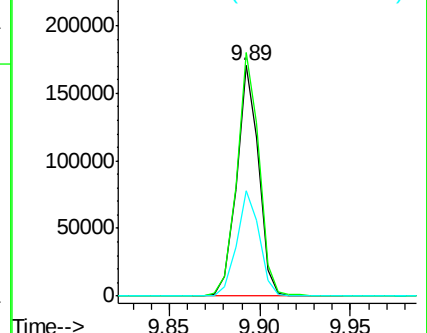
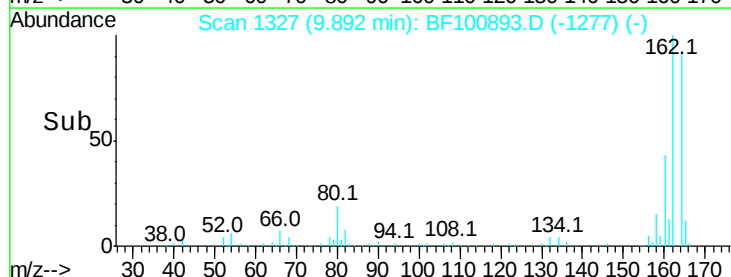
160 45.5 38.3 57.5

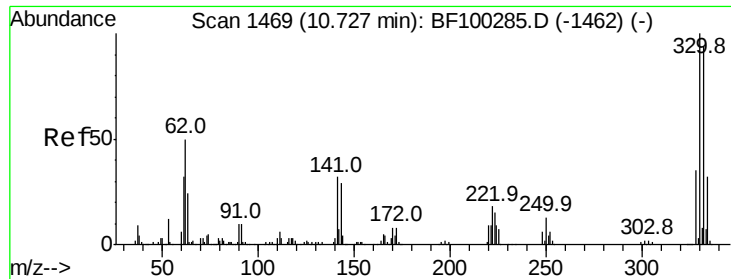


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

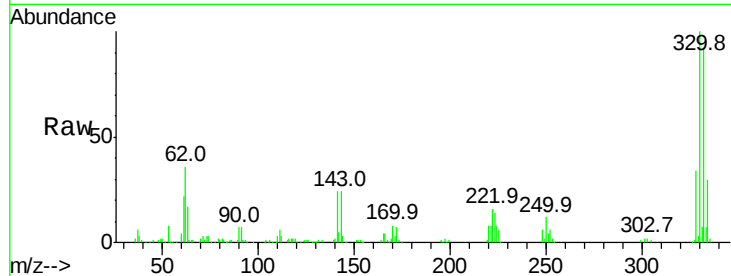




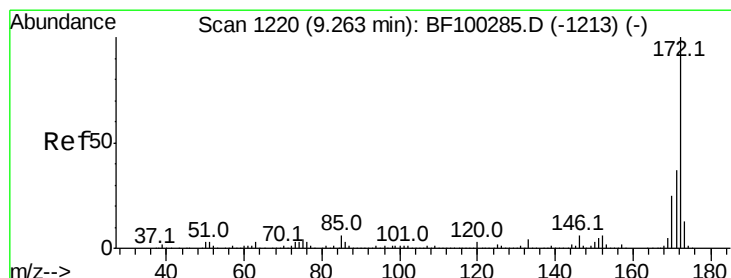
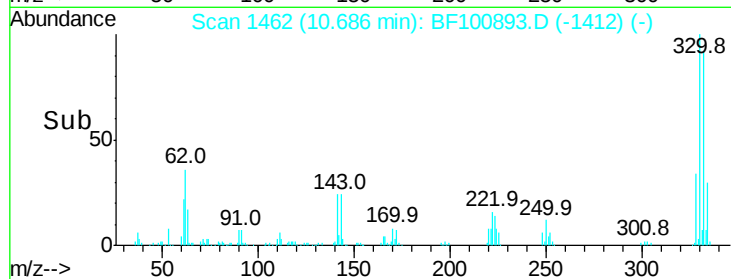
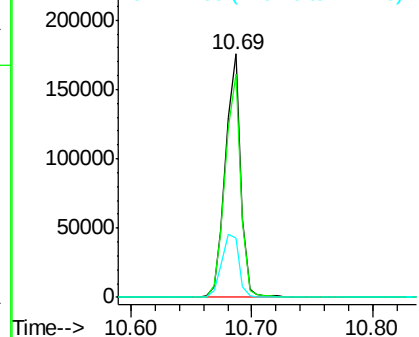
#41
 2,4,6-Tribromophenol
 Concen: 105.160 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF100893.D
 Acq: 27 Nov 2017 15:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.7	77.0	115.6
141	29.2	29.9	44.9#

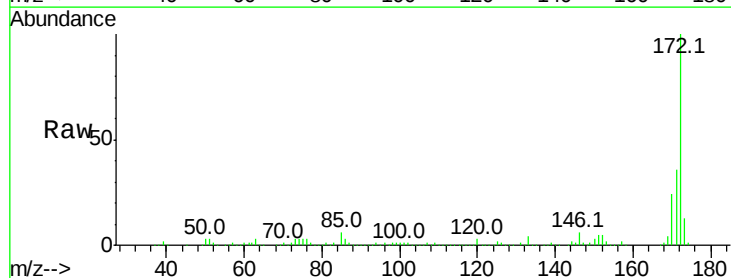


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

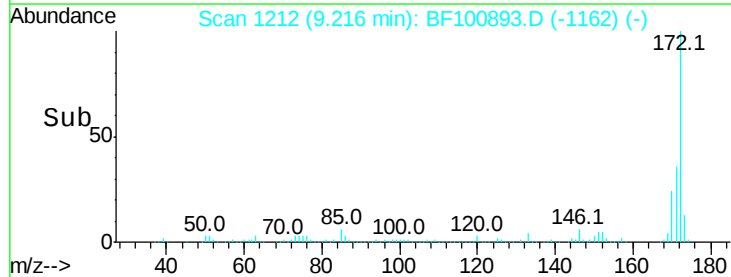
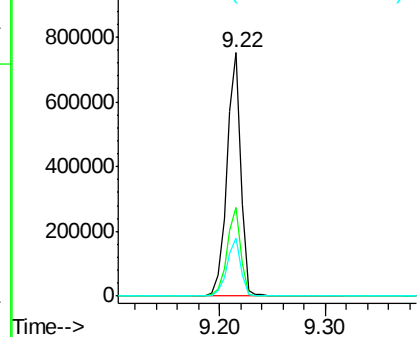


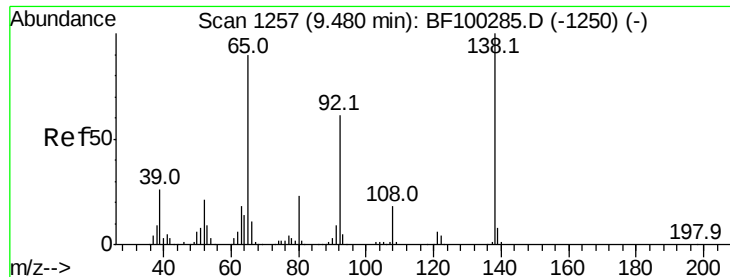
#44
 2-Fluorobiphenyl
 Concen: 73.948 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF100893.D
 Acq: 27 Nov 2017 15:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	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: 2.998 ng

RT: 9.60 min Scan# 1278

Delta R.T. 0.16 min

Lab File: BF100893.D

Acq: 27 Nov 2017 15:46

Instrument :

BNA_F

ClientSampled :

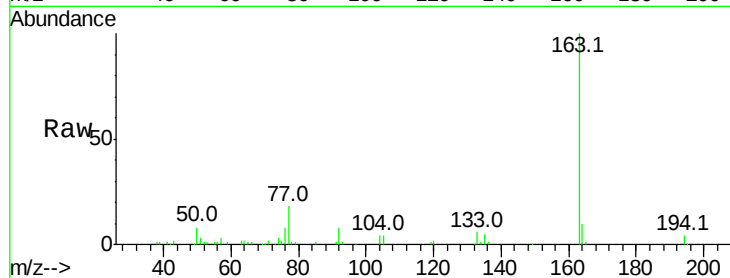
Tot Ion: 65 Resp: 601

Ion Ratio Lower Upper

65 100

92 987.1 55.8 83.6#

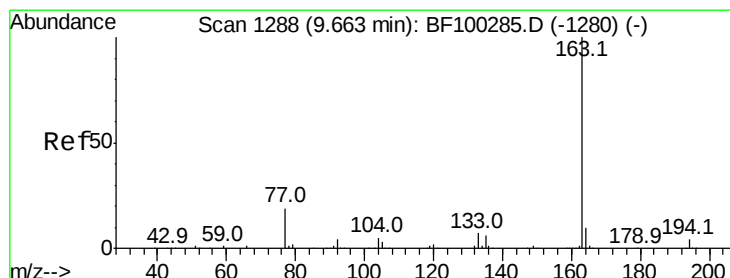
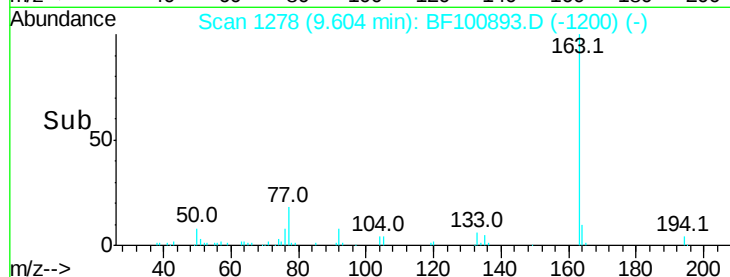
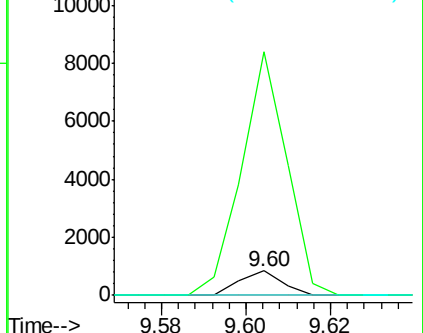
138 0.0 91.2 136.8#



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): BF1



#49

Dimethylphthalate

Concen: 7.347 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF100893.D

Acq: 27 Nov 2017 15:46

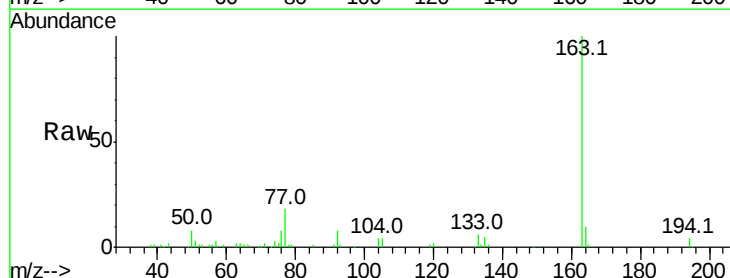
Tgt Ion: 163 Resp: 80201

Ion Ratio Lower Upper

163 100

194 4.0 2.7 4.1

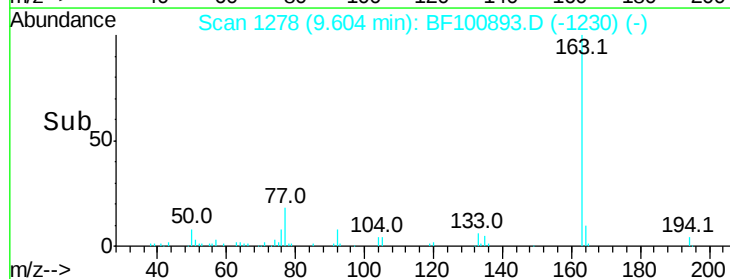
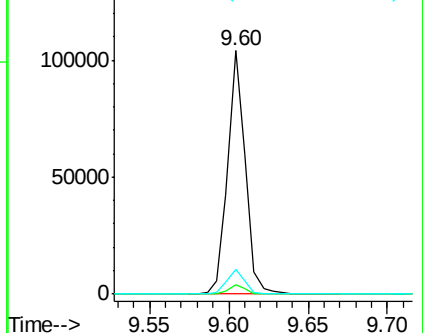
164 10.3 8.2 12.2

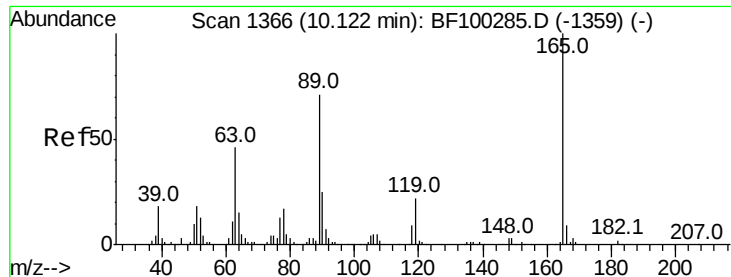


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

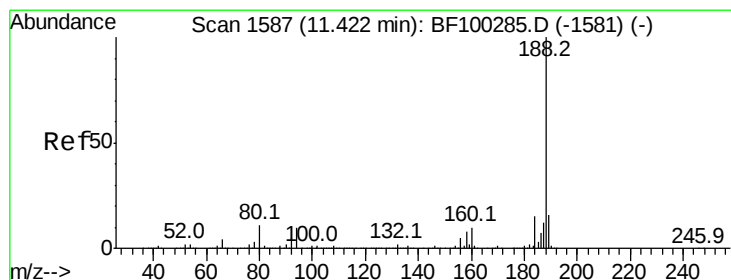
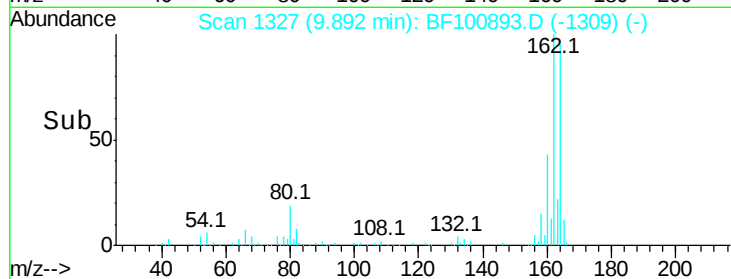
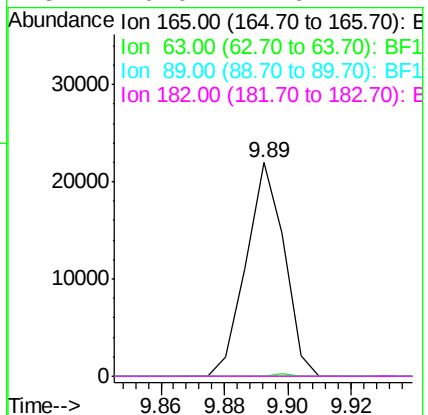
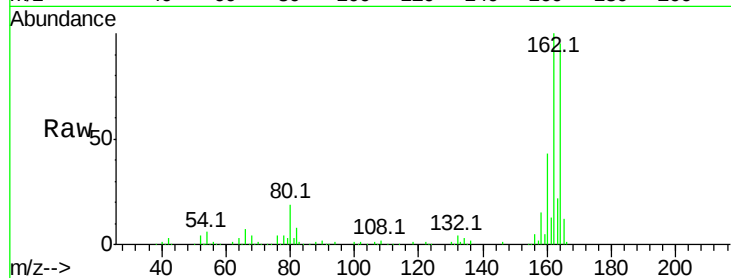




#56
 2,4-Dinitrotoluene
 Concen: 6.710 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.19 min
 Lab File: BF100893.D
 Acq: 27 Nov 2017 15:46

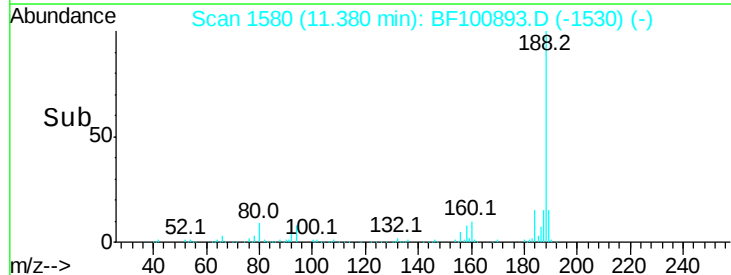
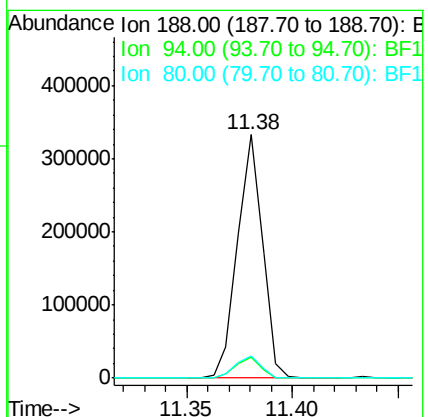
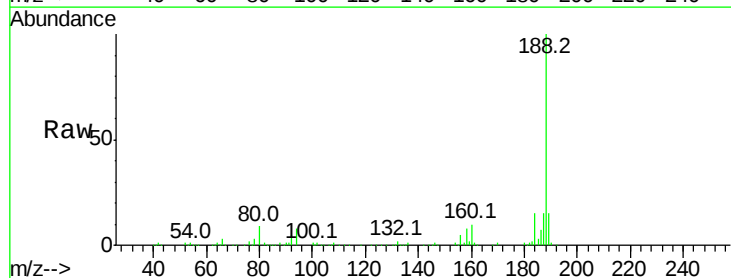
Instrument :
 BNA_F
 ClientSampleId :

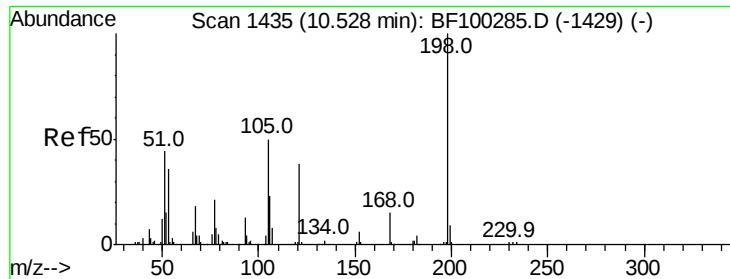
Tot Ion:	165	Resp:	18290
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF100893.D
 Acq: 27 Nov 2017 15:46

Tgt Ion:	188	Resp:	272051
Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.5	12.7#
80	9.0	9.2	13.8#

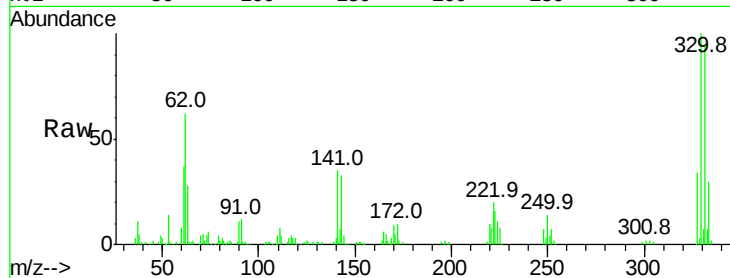




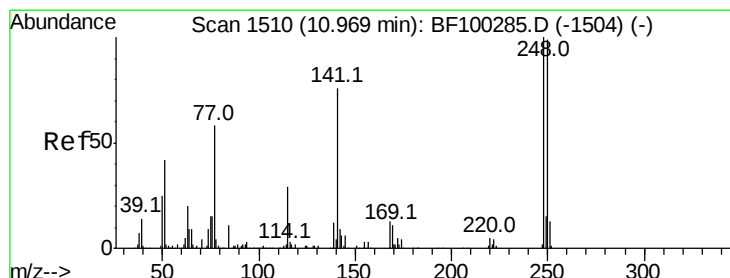
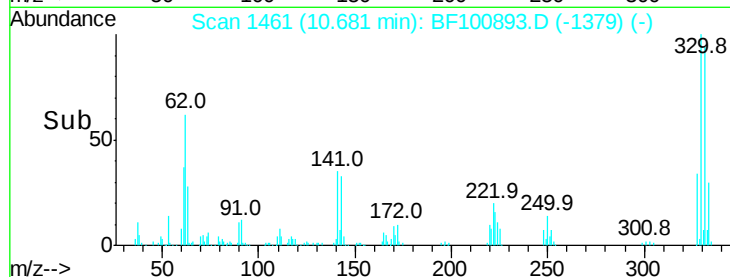
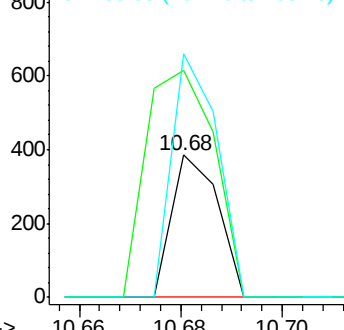
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.717 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. 0.18 min
 Lab File: BF100893.D
 Acq: 27 Nov 2017 15:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 245
 Ion Ratio Lower Upper
 198 100
 51 159.1 37.7 77.7#
 105 171.0 36.3 76.3#

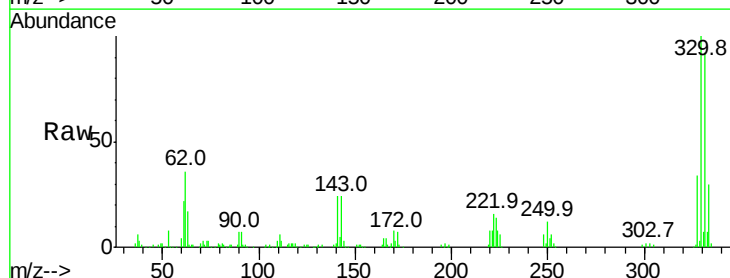


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

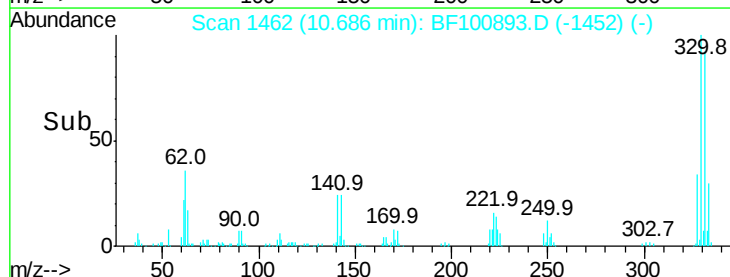
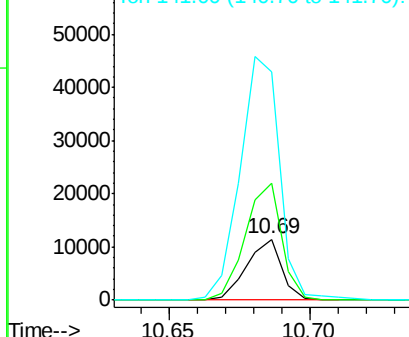


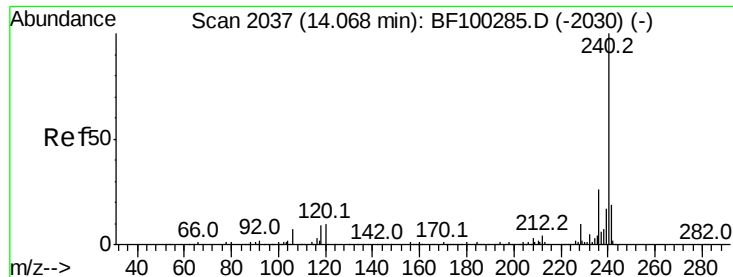
#66
 4-Bromophenyl-phenylether
 Concen: 3.370 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.24 min
 Lab File: BF100893.D
 Acq: 27 Nov 2017 15:46

Tgt Ion:248 Resp: 9829
 Ion Ratio Lower Upper
 248 100
 250 192.0 76.9 115.3#
 141 376.5 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: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF100893.D

Acq: 27 Nov 2017 15:46

Instrument :

BNA_F

ClientSampleId :

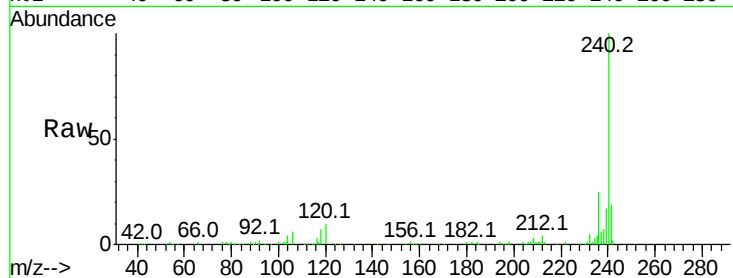
Tot Ion:240 Resp: 166991

Ion Ratio Lower Upper

240 100

120 9.6 9.5 14.3

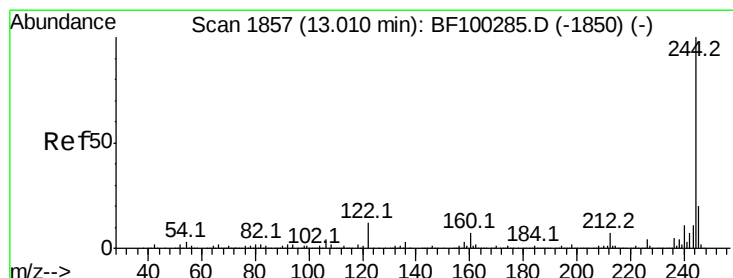
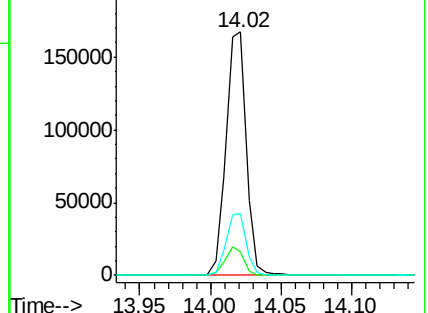
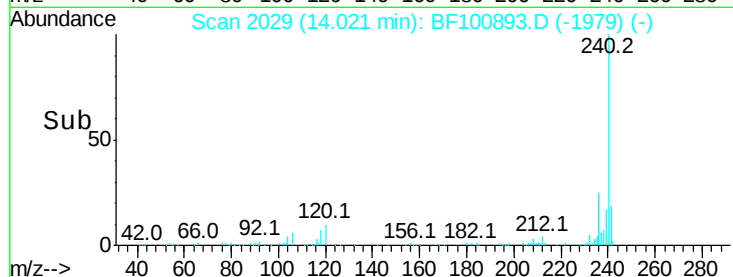
236 25.4 20.7 31.1



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: 87.370 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.00 min

Lab File: BF100893.D

Acq: 27 Nov 2017 15:46

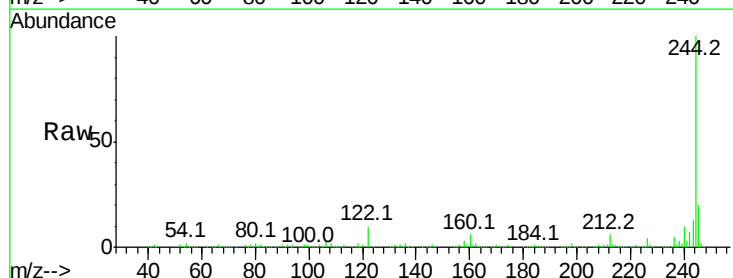
Tgt Ion:244 Resp: 634980

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

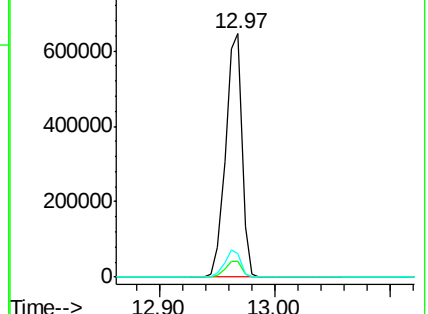
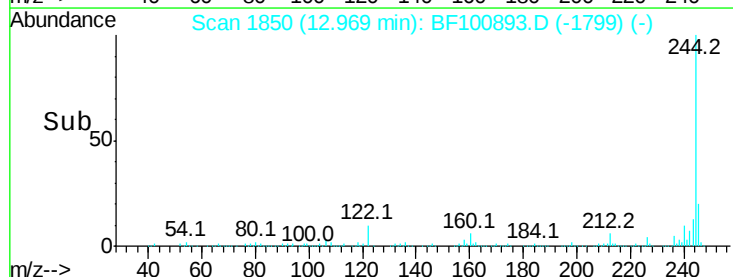
122 9.6 11.0 16.4#

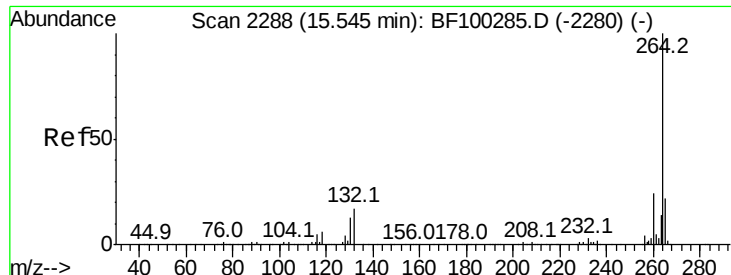


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

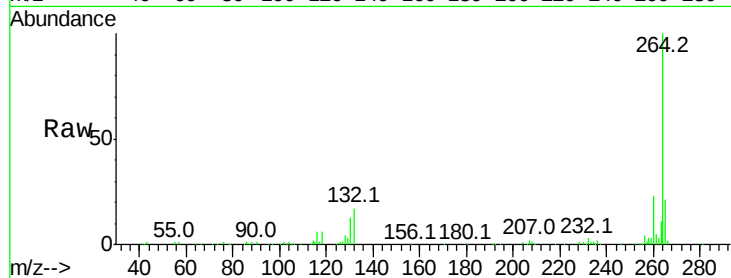




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BF100893.D
 Acq: 27 Nov 2017 15:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	166984
Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.2	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

