

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
 Data File : BF100918.D
 Acq On : 28 Nov 2017 3:43
 Operator : SJ/JU
 Sample : I6584-07
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 28 09:56:40 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	61555	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	231819	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	107535	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	188399	20.00	ng	0.00
75) Chrysene-d12	14.02	240	128045	20.00	ng	-0.01
86) Perylene-d12	15.49	264	122200	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	132467	34.50	ng	0.00
7) Phenol-d6	6.47	99	94067	19.87	ng	-0.02
23) Nitrobenzene-d5	7.42	82	332675	94.88	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	94661	86.39	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	695219	98.44	ng	0.00
78) Terphenyl-d14	12.97	244	526173	94.42	ng	0.00

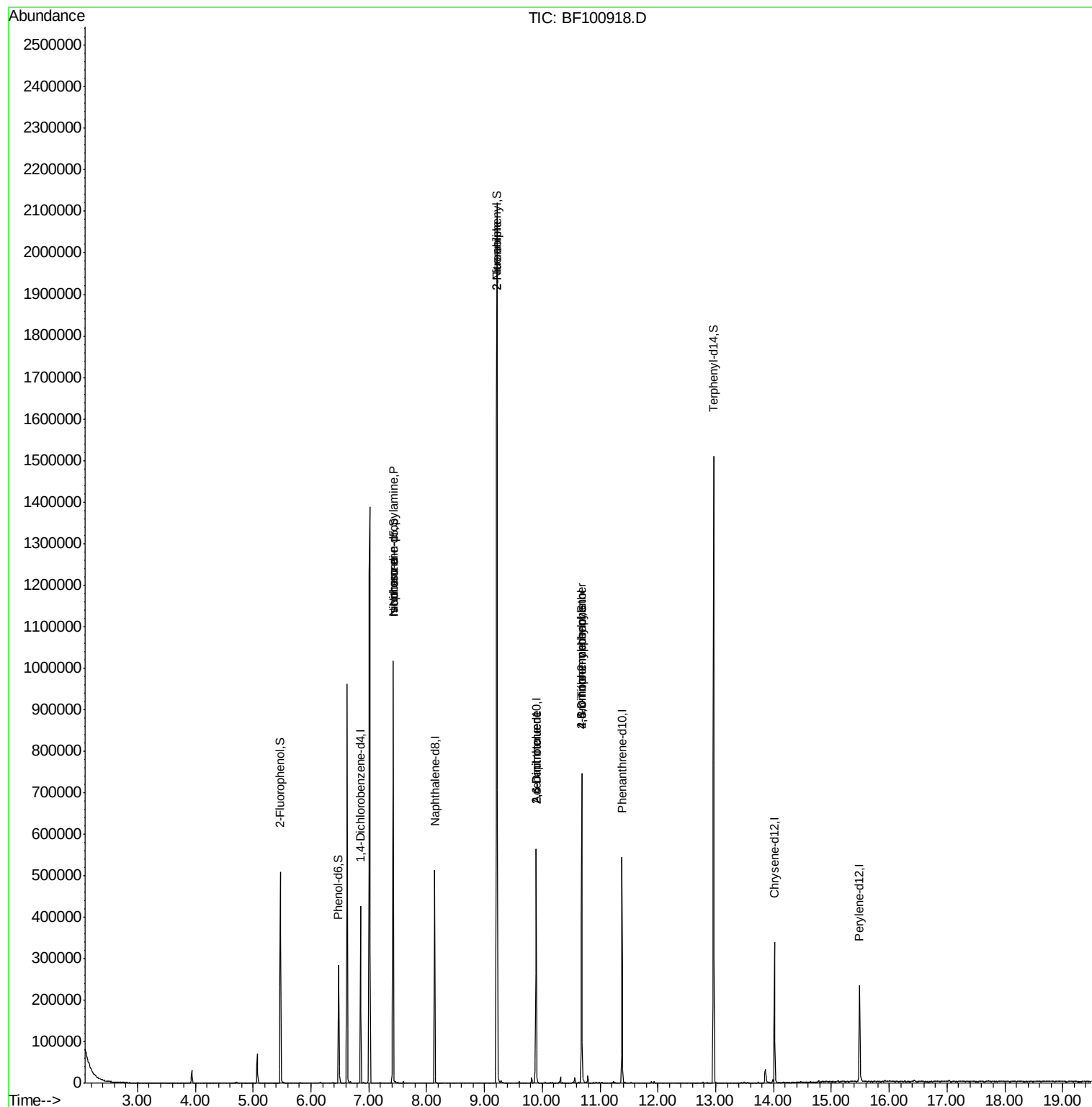
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	43158	13.142	ng	# 82
25) Isophorone	7.42	82	332670	45.148	ng	# 64
47) 2-Nitroaniline	9.22	65	807	3.165	ng	# 1
50) 2,6-Dinitrotoluene	9.89	165	13684	8.420	ng	# 24
56) 2,4-Dinitrotoluene	9.89	165	13684	6.674	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.68	198	108	8.663	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	5763	2.854	ng	# 1

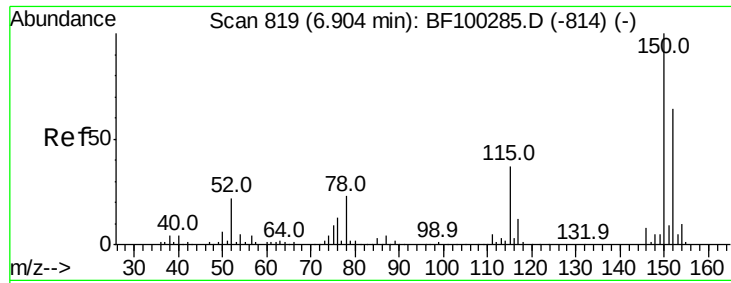
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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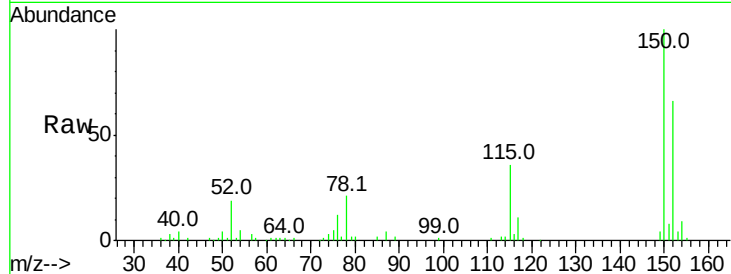


#1

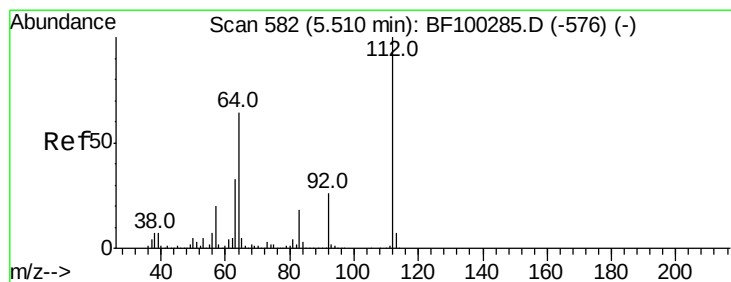
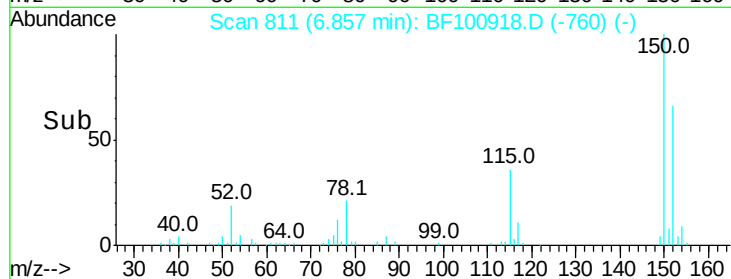
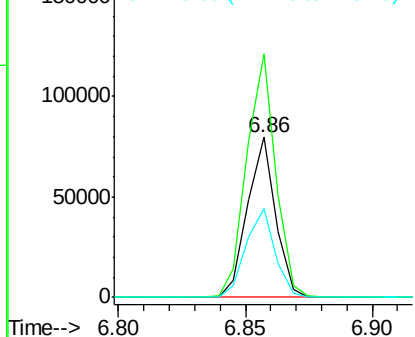
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF100918.D
Acq: 28 Nov 2017 3:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 61555
Ion Ratio Lower Upper
152 100
150 152.1 124.6 186.8
115 55.5 50.1 75.1



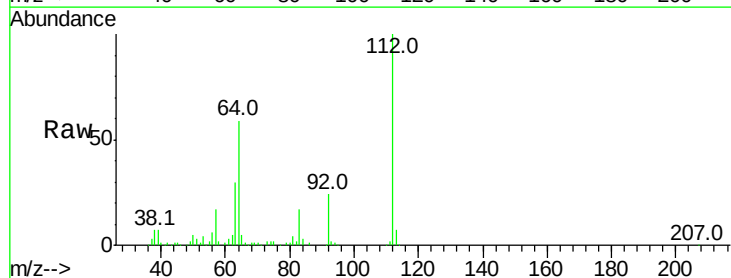
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



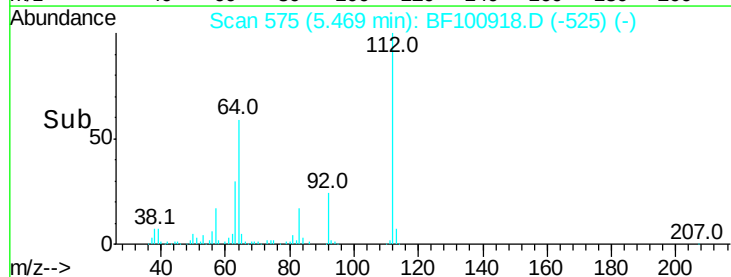
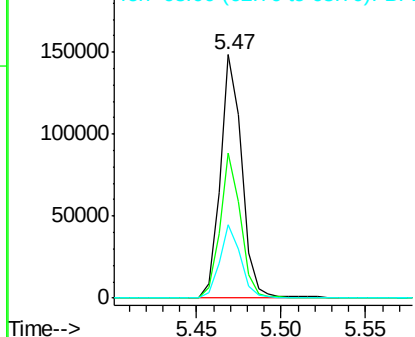
#5

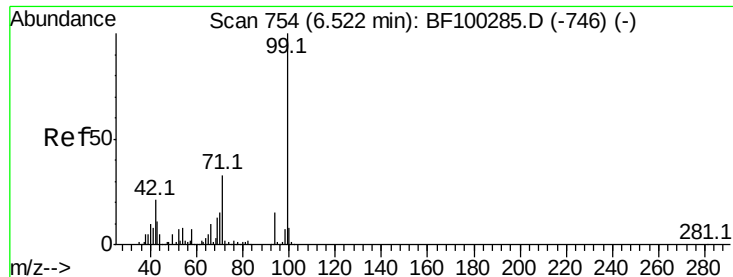
2-Fluorophenol
Concen: 34.496 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF100918.D
Acq: 28 Nov 2017 3:43

Tgt Ion:112 Resp: 132467
Ion Ratio Lower Upper
112 100
64 59.4 47.9 71.9
63 30.3 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: 19.865 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF100918.D

Acq: 28 Nov 2017 3:43

Instrument :

BNA_F

ClientSampled :

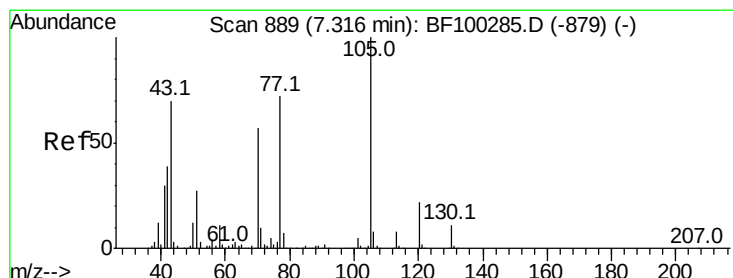
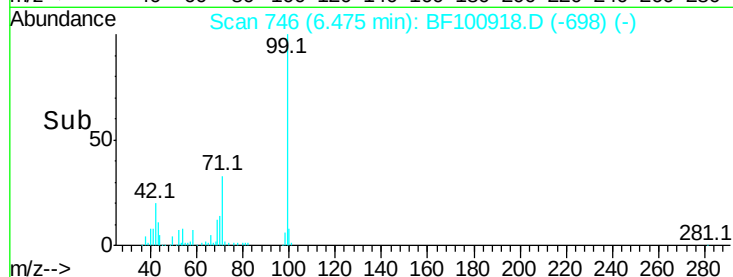
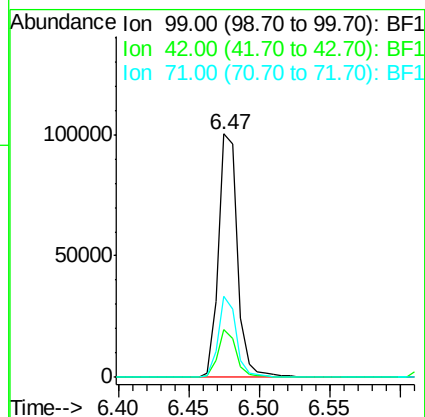
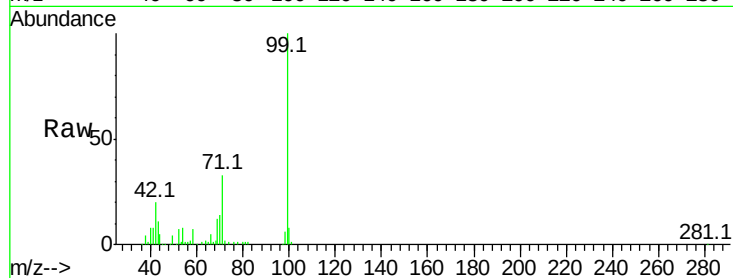
Tot Ion: 99 Resp: 94067

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

71 33.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.142 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF100918.D

Acq: 28 Nov 2017 3:43

Tgt Ion: 70 Resp: 43158

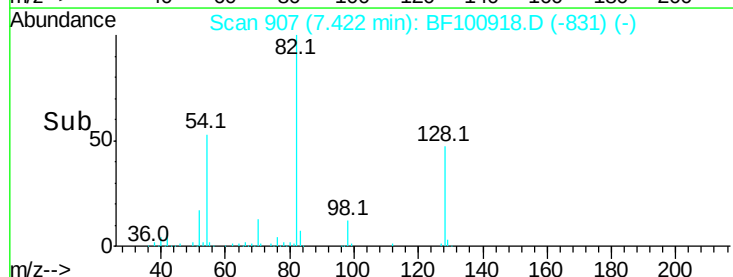
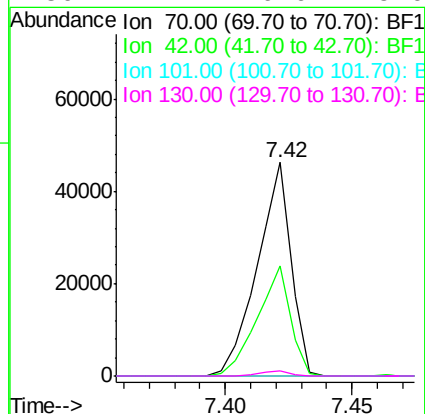
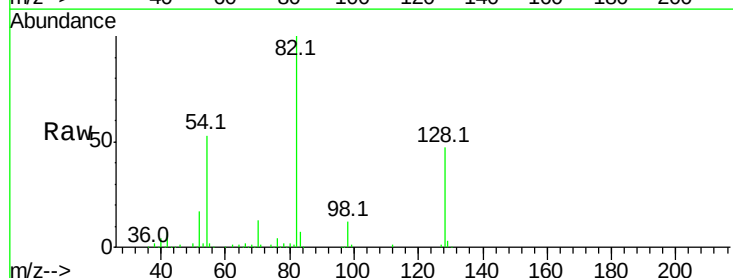
Ion Ratio Lower Upper

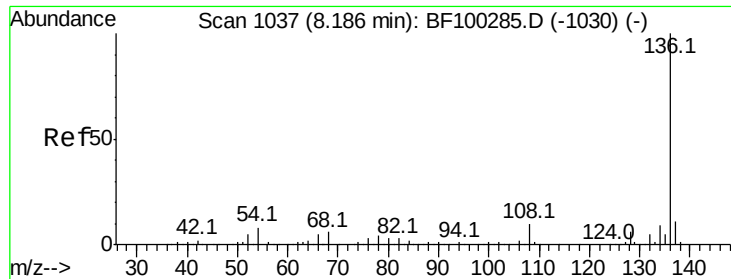
70 100

42 51.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

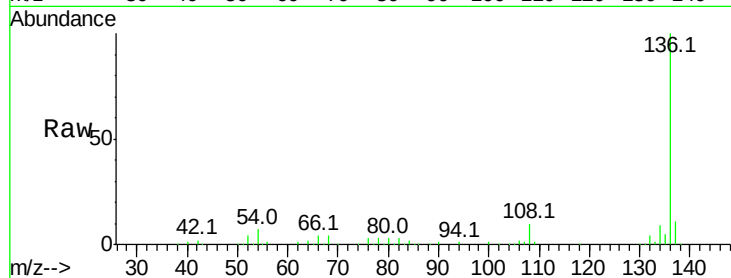




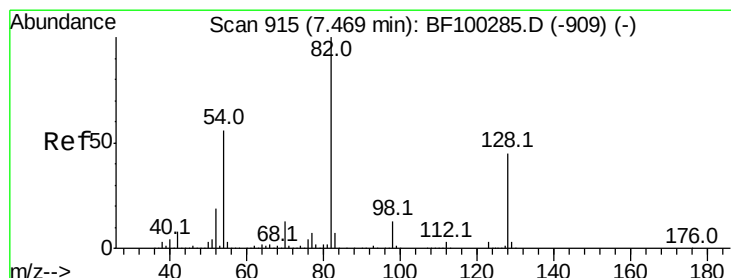
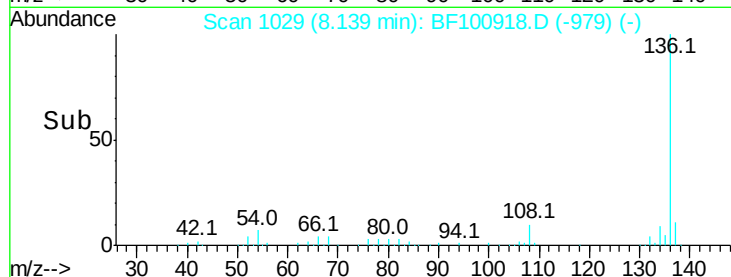
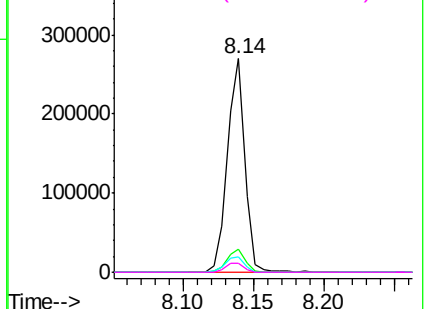
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF100918.D
Acq: 28 Nov 2017 3:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	231819
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.0	6.6	9.8
68	4.4	5.0	7.4#

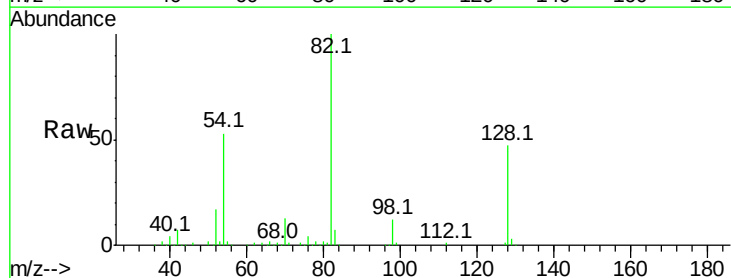


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

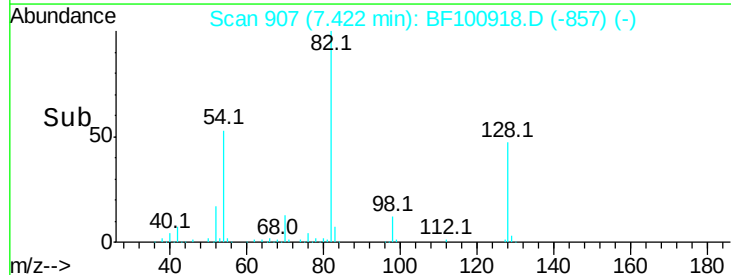
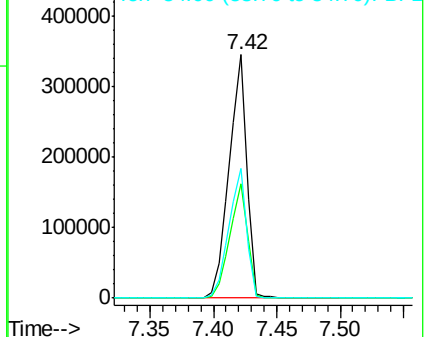


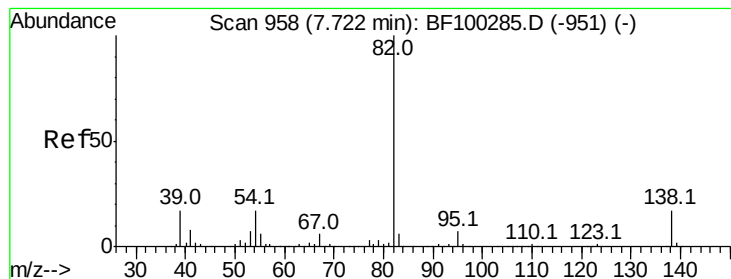
#23
Nitrobenzene-d5
Concen: 94.877 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF100918.D
Acq: 28 Nov 2017 3:43

Tgt Ion:	82	Resp:	332675
Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.1	54.1
54	53.3	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: 45.148 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF100918.D

Acq: 28 Nov 2017 3:43

Instrument :

BNA_F

ClientSampled :

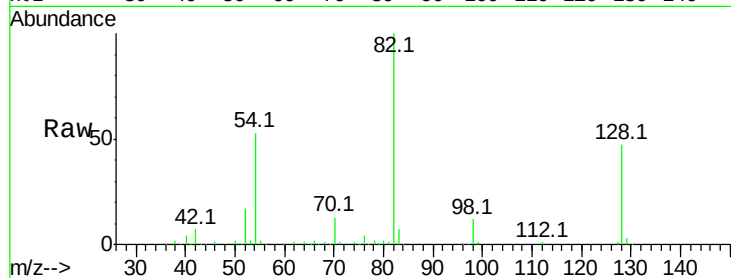
Tot Ion: 82 Resp: 332670

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

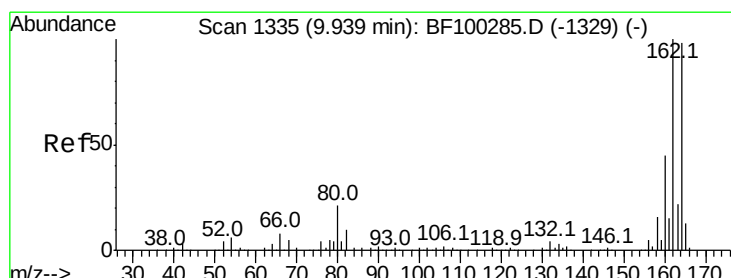
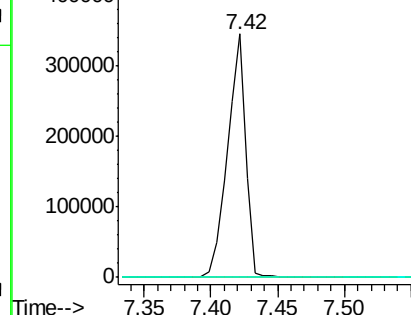
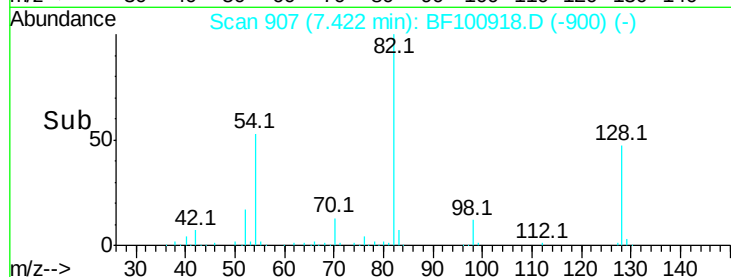
138 0.0 14.9 22.3#



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: BF100918.D

Acq: 28 Nov 2017 3:43

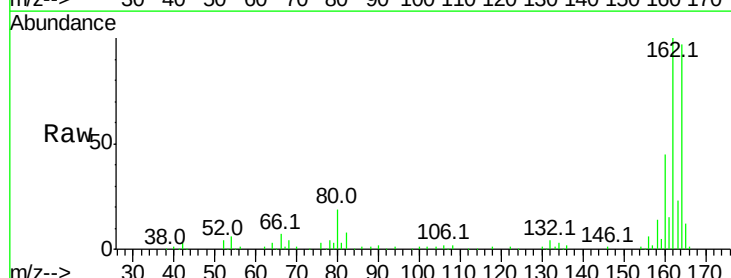
Tgt Ion:164 Resp: 107535

Ion Ratio Lower Upper

164 100

162 103.2 86.1 129.1

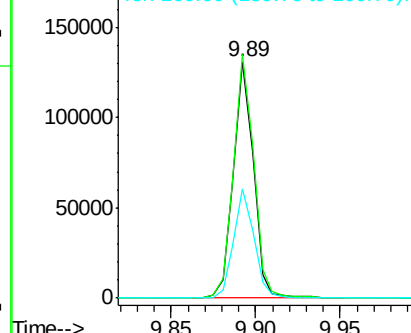
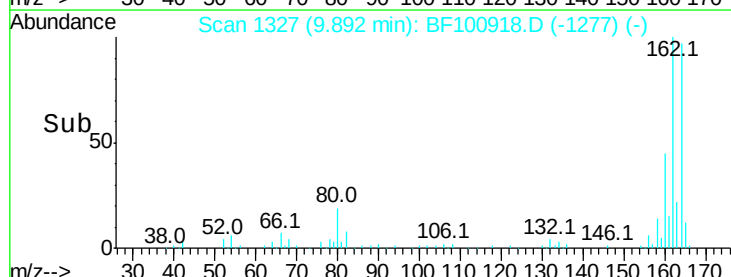
160 46.2 38.3 57.5

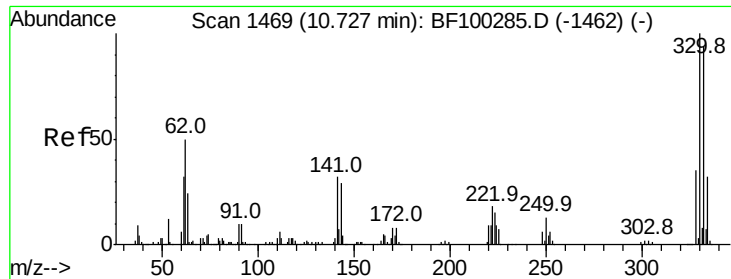


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

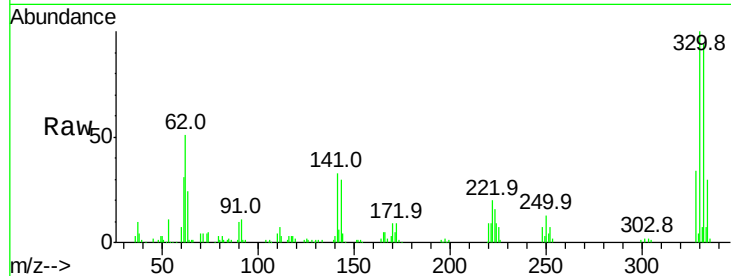




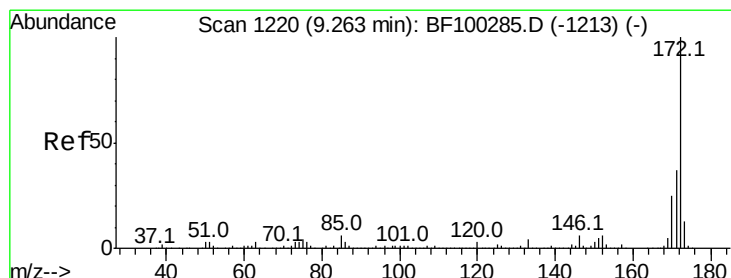
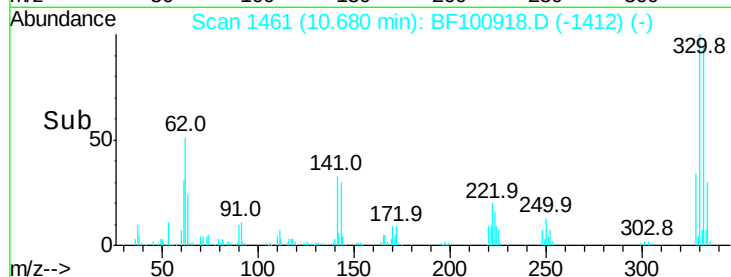
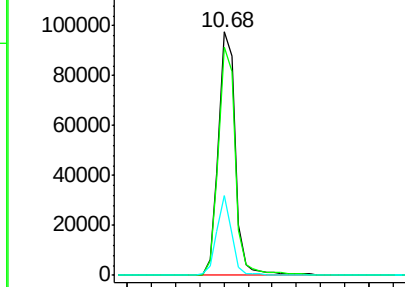
#41
 2,4,6-Tribromophenol
 Concen: 86.387 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF100918.D
 Acq: 28 Nov 2017 3:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.3	77.0	115.6
141	28.3	29.9	44.9#

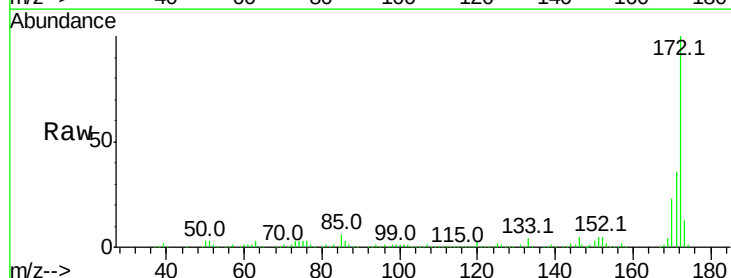


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

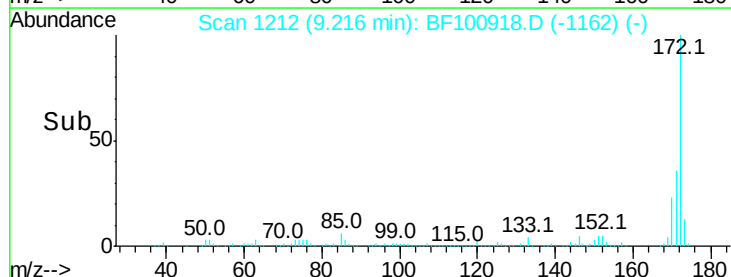
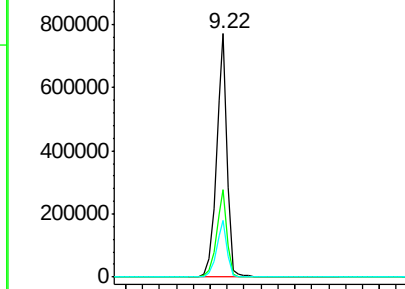


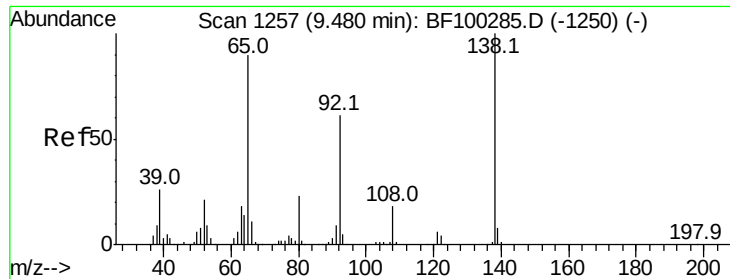
#44
 2-Fluorobiphenyl
 Concen: 98.444 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF100918.D
 Acq: 28 Nov 2017 3:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.2	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: 3.165 ng

RT: 9.22 min Scan# 1212

Delta R.T. -0.23 min

Lab File: BF100918.D

Acq: 28 Nov 2017 3:43

Instrument :

BNA_F

ClientSampled :

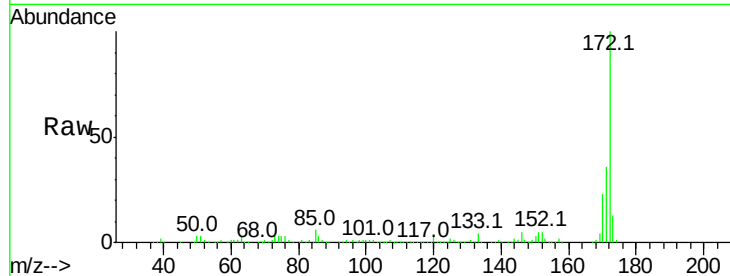
Tot Ion: 65 Resp: 807

Ion Ratio Lower Upper

65 100

92 203.3 55.8 83.6#

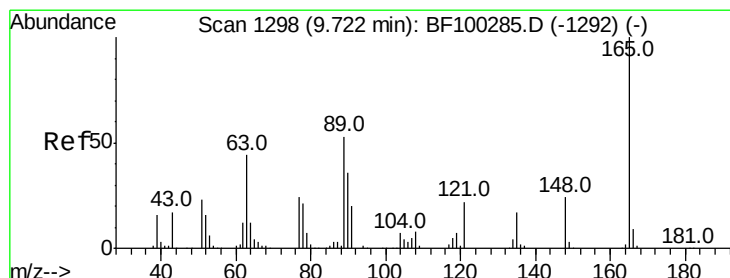
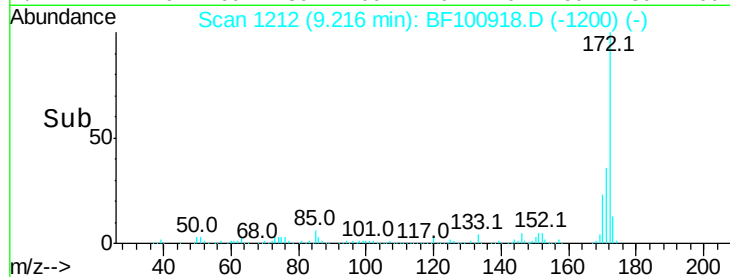
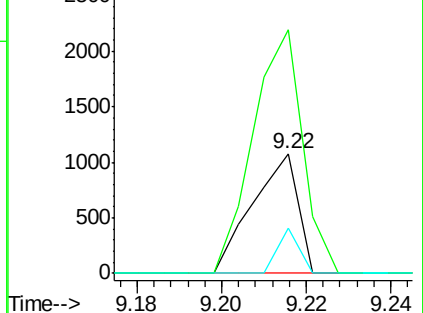
138 37.8 91.2 136.8#



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: 8.420 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.21 min

Lab File: BF100918.D

Acq: 28 Nov 2017 3:43

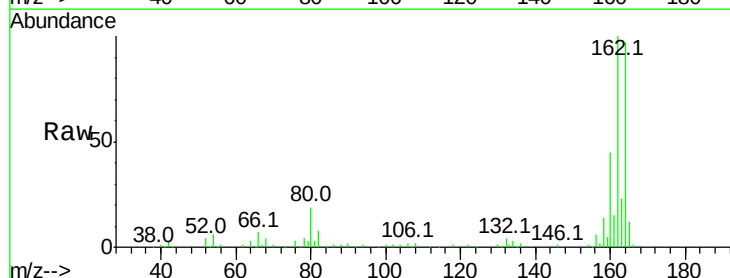
Tgt Ion: 165 Resp: 13684

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

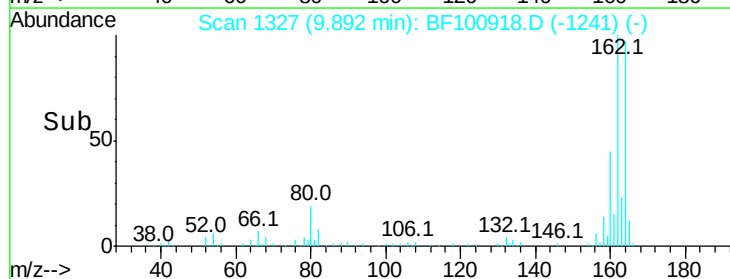
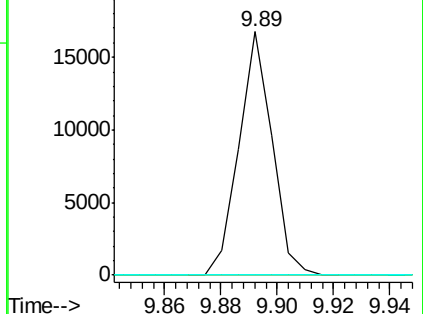
89 0.0 44.0 66.0#

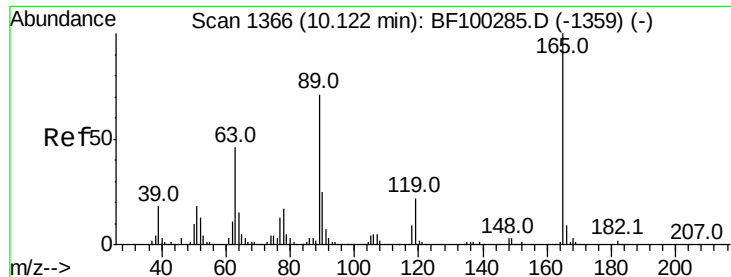


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

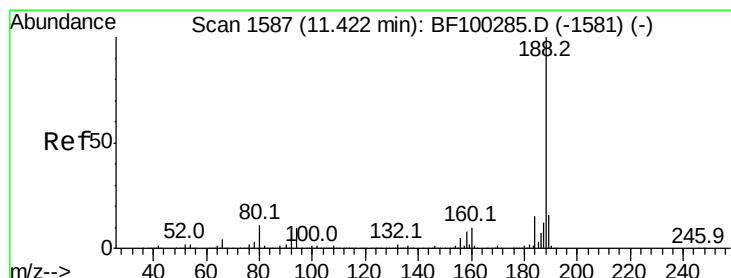
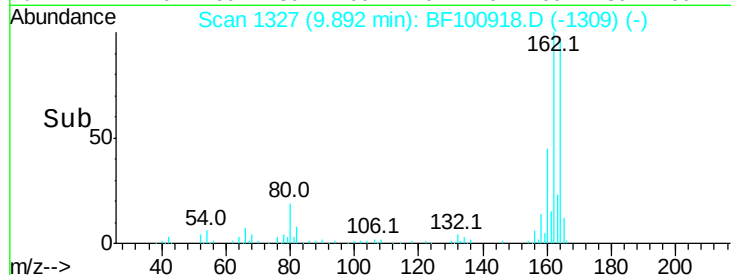
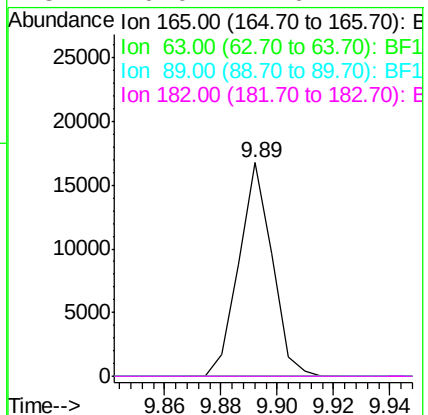
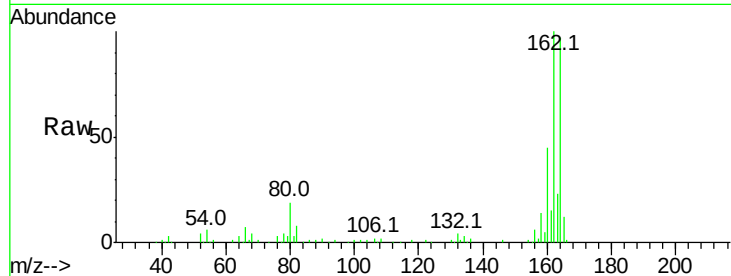




#56
 2,4-Dinitrotoluene
 Concen: 6.674 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.19 min
 Lab File: BF100918.D
 Acq: 28 Nov 2017 3:43

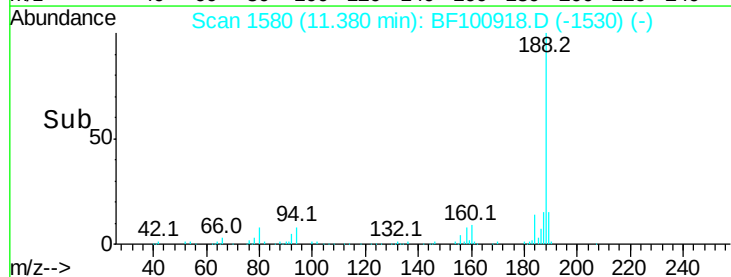
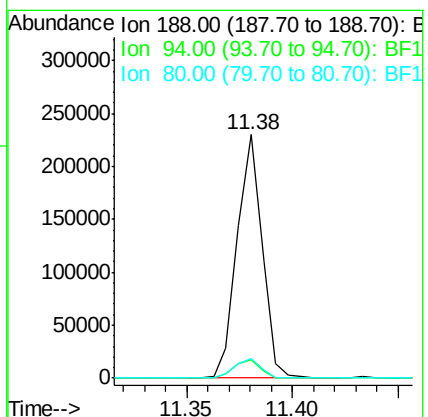
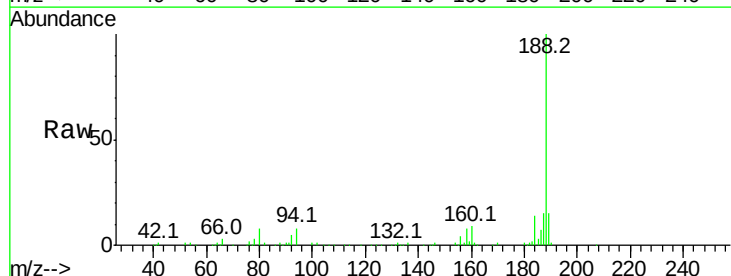
Instrument :
 BNA_F
 ClientSampled :

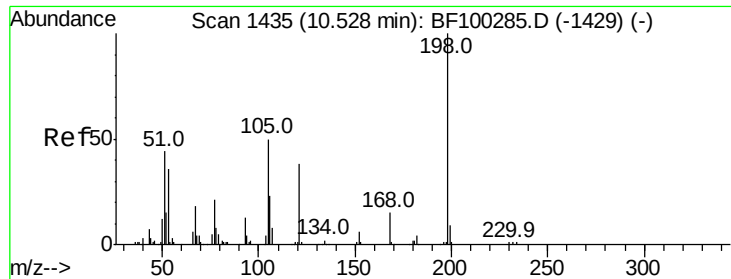
Tot Ion:165	Resp:	13684
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	0.0	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF100918.D
 Acq: 28 Nov 2017 3:43

Tgt Ion:188	Resp:	188399
Ion Ratio	Lower	Upper
188	100	
94	7.6	8.5 12.7#
80	8.3	9.2 13.8#





#64

4,6-Dinitro-2-methylphenol

Concen: 8.663 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.18 min

Lab File: BF100918.D

Acq: 28 Nov 2017 3:43

Instrument :

BNA_F

ClientSampleId :

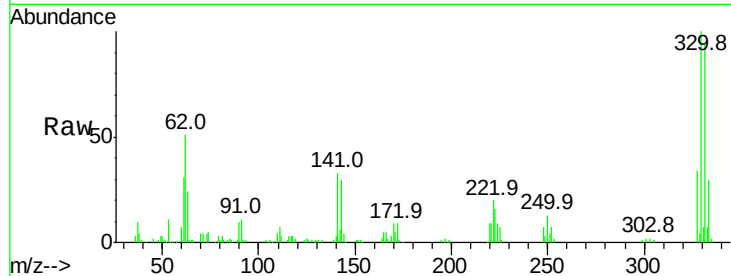
Tot Ion:198 Resp: 108

Ion Ratio Lower Upper

198 100

51 175.6 37.7 77.7#

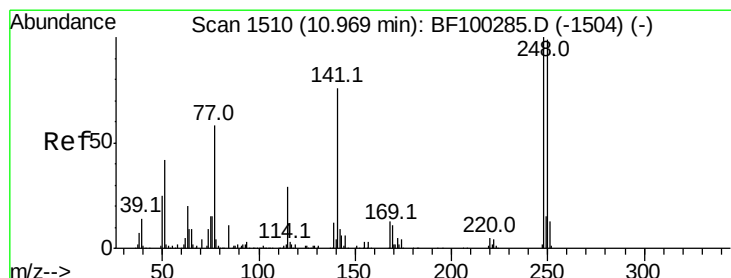
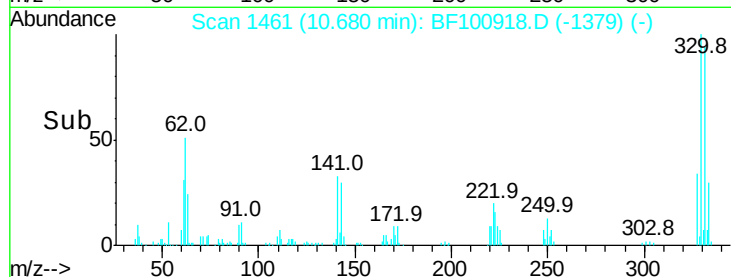
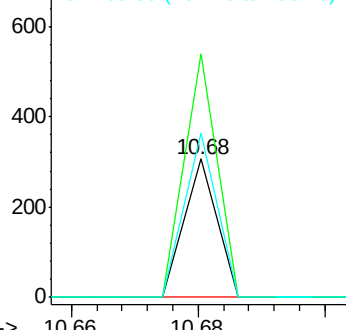
105 118.9 36.3 76.3#



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: 2.854 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.25 min

Lab File: BF100918.D

Acq: 28 Nov 2017 3:43

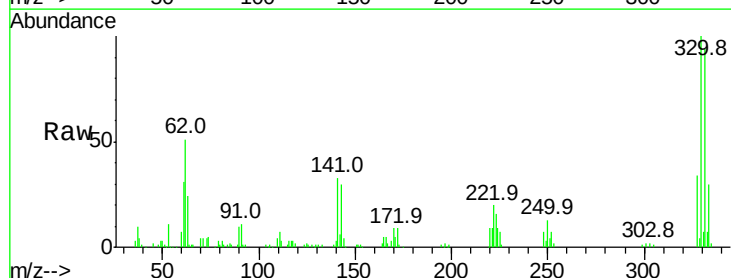
Tgt Ion:248 Resp: 5763

Ion Ratio Lower Upper

248 100

250 188.2 76.9 115.3#

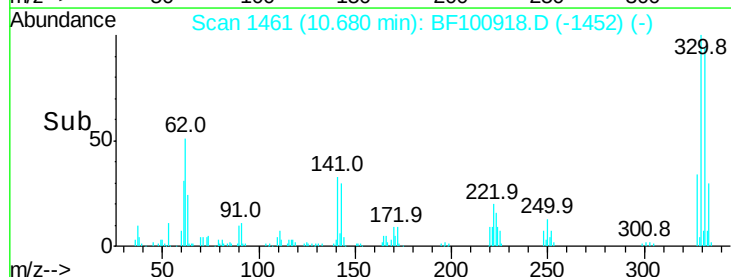
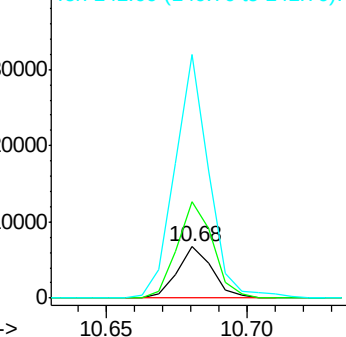
141 474.2 74.4 111.6#

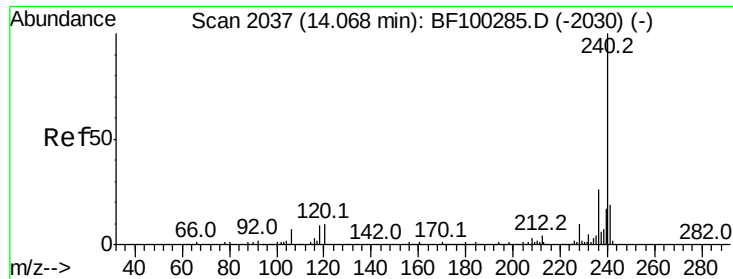


Abundance Ion 248.00 (247.70 to 248.70): E

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# 2037

Delta R.T. -0.01 min

Lab File: BF100918.D

Acq: 28 Nov 2017 3:43

Instrument :

BNA_F

ClientSampleId :

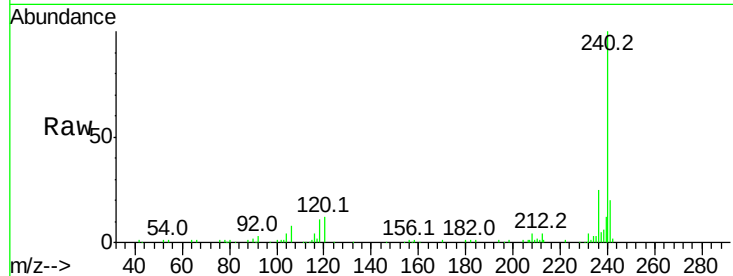
Tot Ion:240 Resp: 128045

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

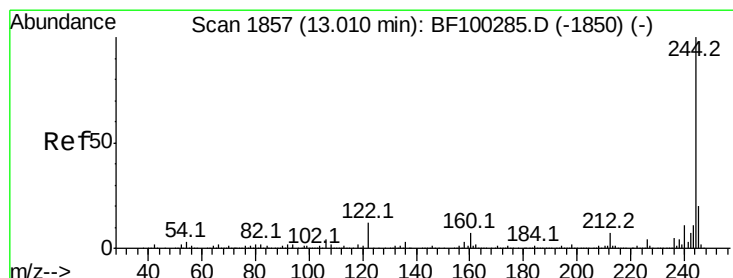
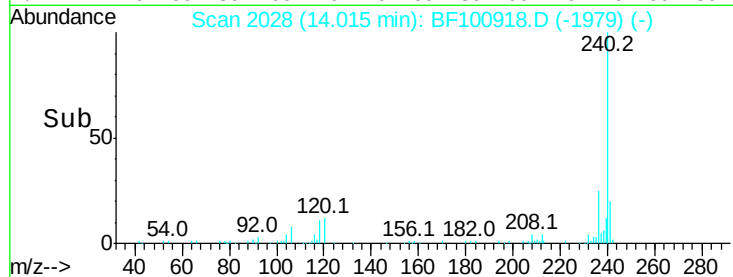
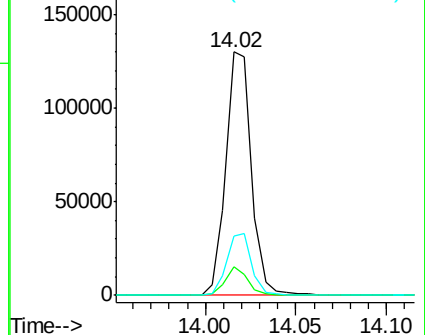
236 24.5 20.7 31.1



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: 94.419 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.00 min

Lab File: BF100918.D

Acq: 28 Nov 2017 3:43

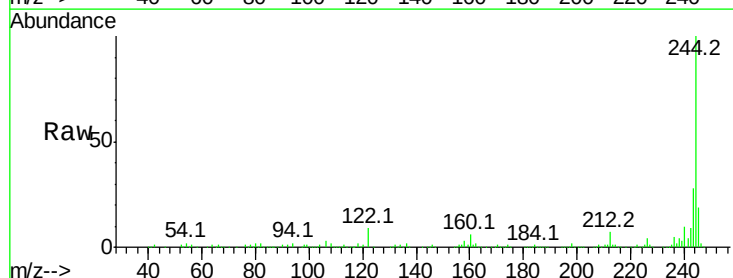
Tgt Ion:244 Resp: 526173

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

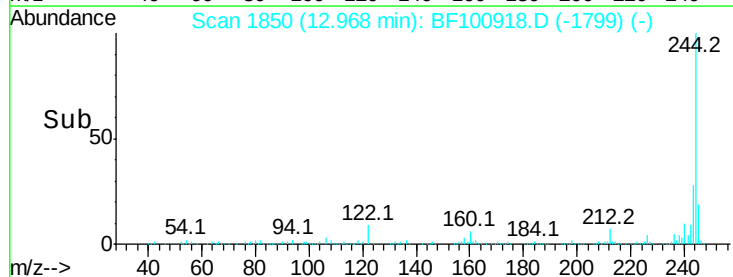
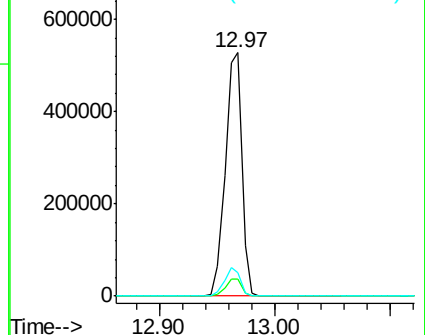
122 9.5 11.0 16.4#

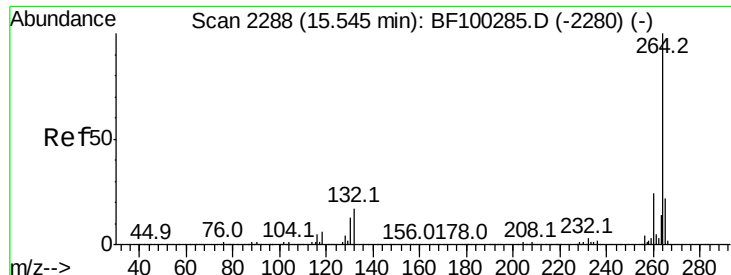


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

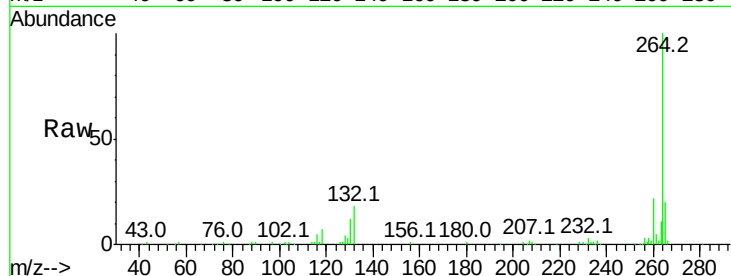




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BF100918.D
 Acq: 28 Nov 2017 3:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	122200
Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.2	28.8
265	19.9	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

