

Data File : BF100758.D
Acq On : 21 Nov 2017 3:55
Operator : SJ/JU
Sample : I6535-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-4252-RT-3025-RT-2342

Quant Time: Nov 21 06:06:27 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	84772	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	317655	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	123316	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	190167	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	195312	20.00	ng	-0.01
86) Perylene-d12	15.50	264	155198	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	314260	59.42	ng	0.00
7) Phenol-d6	6.49	99	246255	37.76	ng	-0.02
23) Nitrobenzene-d5	7.44	82	434303	90.39	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	134128	106.74	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	825235	101.90	ng	-0.01
78) Terphenyl-d14	12.98	244	633880	74.57	ng	0.00

Target Compounds						Qvalue
9) Benzaldehyde	6.64	77	10041	2.16	ng	88
10) Phenol	6.50	94	20992	3.07	ng	96
19) n-Nitroso-di-n-propylamine	7.44	70	57404	12.69	ng	# 77
25) Isophorone	7.44	82	434298	43.01	ng	# 64
47) 2-Nitroaniline	9.62	65	300	2.91	ng	# 1
49) Dimethylphthalate	9.62	163	39284	4.17	ng	100
50) 2,6-Dinitrotoluene	9.91	165	15799	8.48	ng	# 24
56) 2,4-Dinitrotoluene	9.91	165	15799	6.72	ng	# 21
66) 4-Bromophenyl-phenylether	10.70	248	8146	4.00	ng	# 1

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

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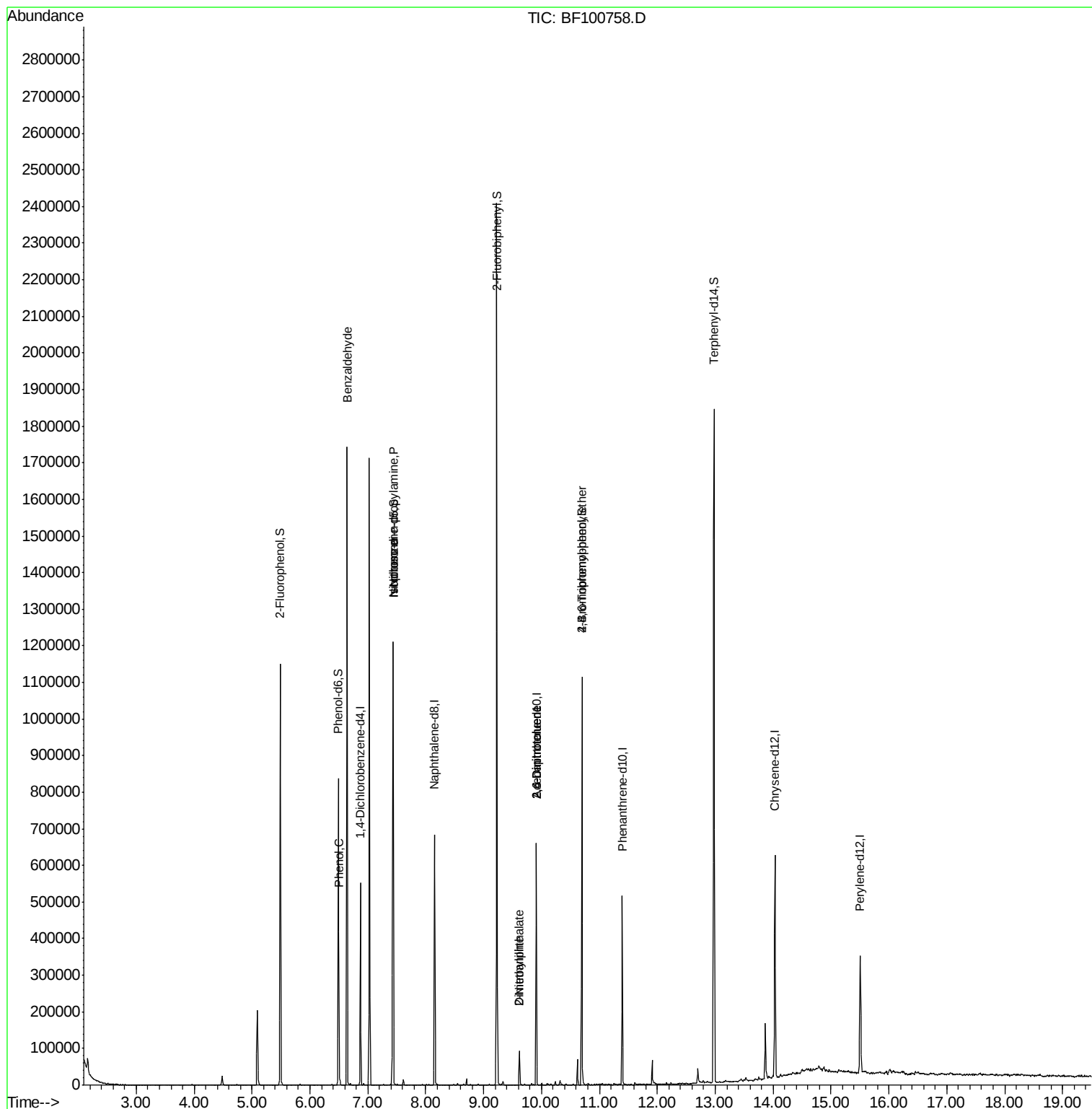
Quant Time: Nov 21 06:06:27 2017

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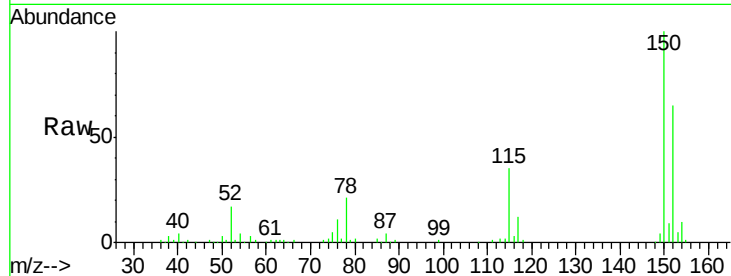


#1

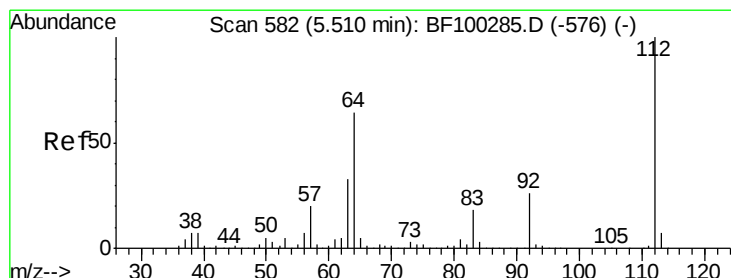
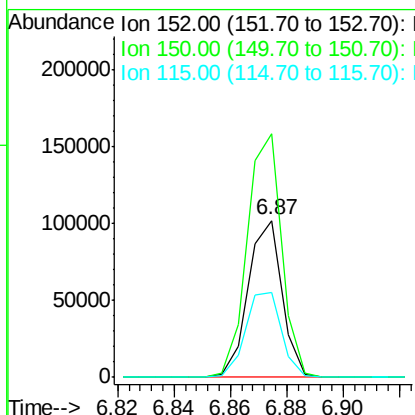
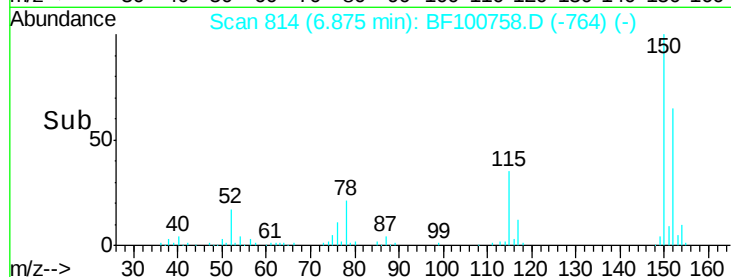
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF100758.D
Acq: 21 Nov 2017 3:55

Instrument :
BNA_F
ClientSampleId :
RT-4252-RT-3025-RT-2342

Tgt Ion:152 Resp: 84772
Ion Ratio Lower Upper
152 100
150 154.9 124.6 186.8
115 54.4 50.1 75.1



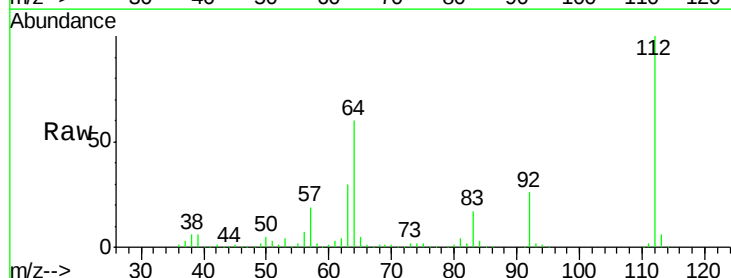
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



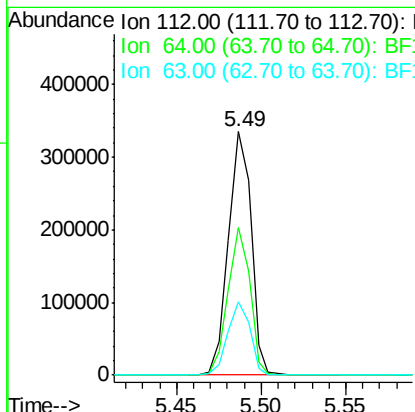
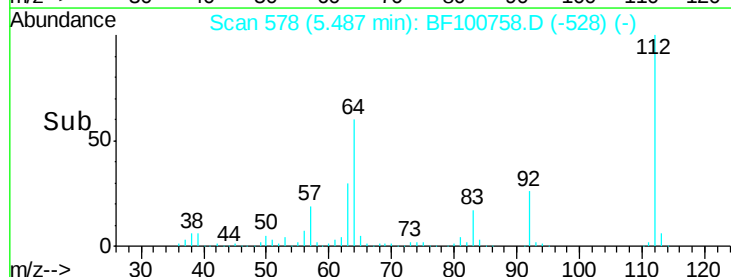
#5

2-Fluorophenol
Concen: 59.42 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF100758.D
Acq: 21 Nov 2017 3:55

Tgt Ion:112 Resp: 314260
Ion Ratio Lower Upper
112 100
64 60.4 47.9 71.9
63 30.1 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: 37.76 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF100758.D

Acq: 21 Nov 2017 3:55

Instrument :

BNA_F

ClientSampleId :

RT-4252-RT-3025-RT-2342

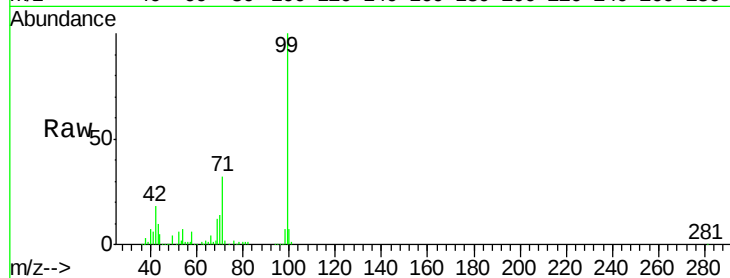
Tgt Ion: 99 Resp: 246255

Ion Ratio Lower Upper

99 100

42 18.3 14.5 21.7

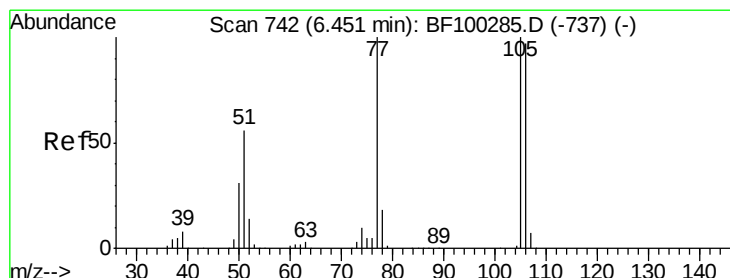
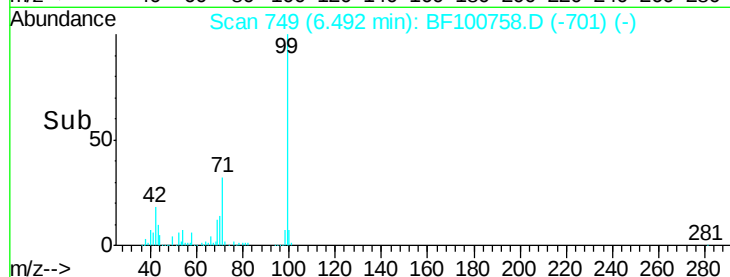
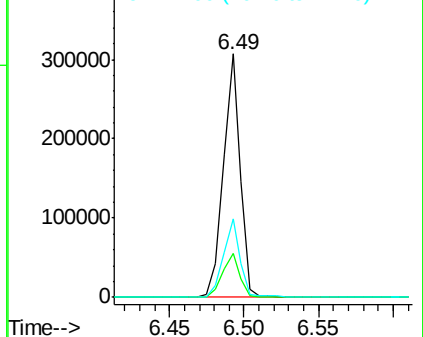
71 32.2 25.4 38.0



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: 2.16 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.21 min

Lab File: BF100758.D

Acq: 21 Nov 2017 3:55

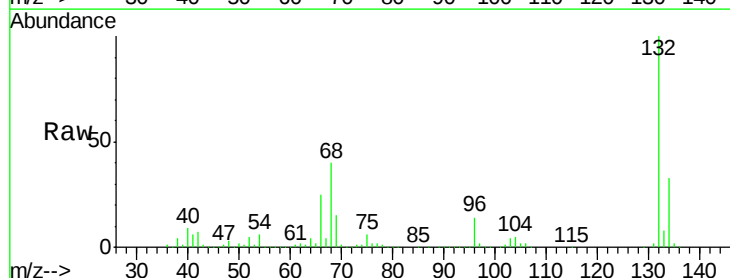
Tgt Ion: 77 Resp: 10041

Ion Ratio Lower Upper

77 100

105 86.9 81.1 121.1

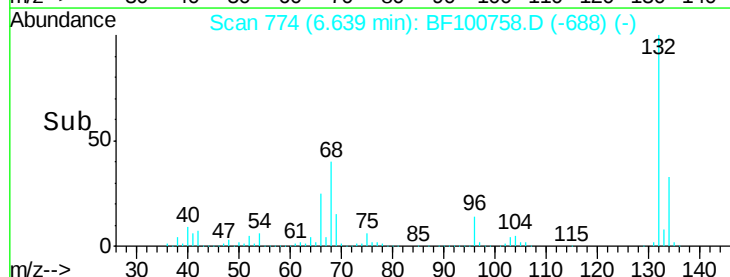
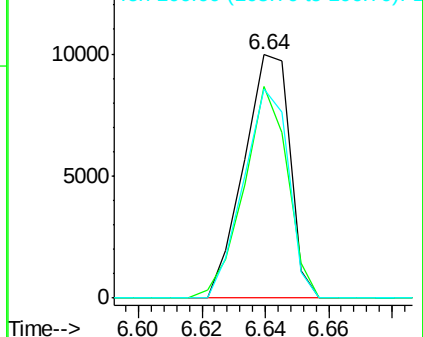
106 85.6 74.5 114.5

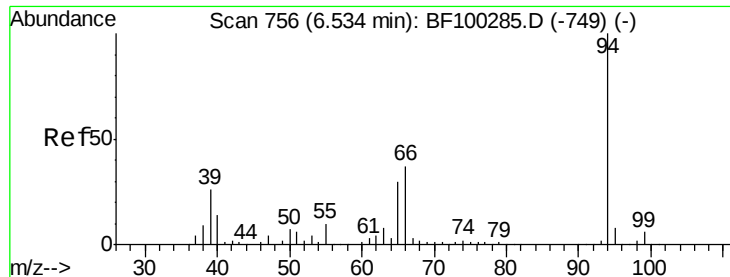


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 3.07 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.02 min

Lab File: BF100758.D

Acq: 21 Nov 2017 3:55

Instrument :

BNA_F

ClientSampleId :

RT-4252-RT-3025-RT-2342

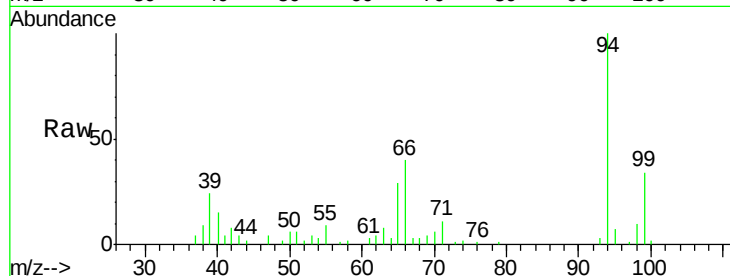
Tgt Ion: 94 Resp: 20992

Ion Ratio Lower Upper

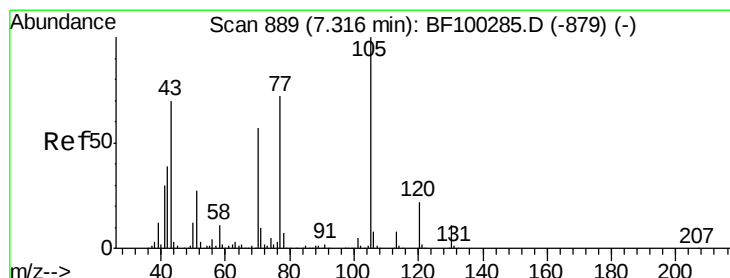
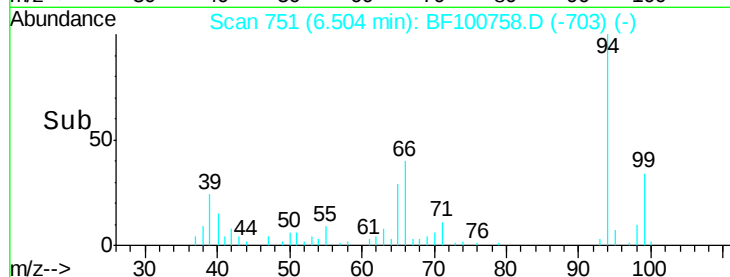
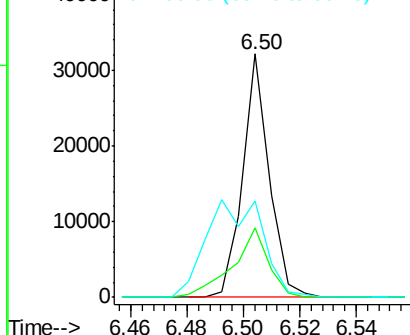
94 100

65 28.8 7.9 47.9

66 39.5 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: 12.69 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF100758.D

Acq: 21 Nov 2017 3:55

Tgt Ion: 70 Resp: 57404

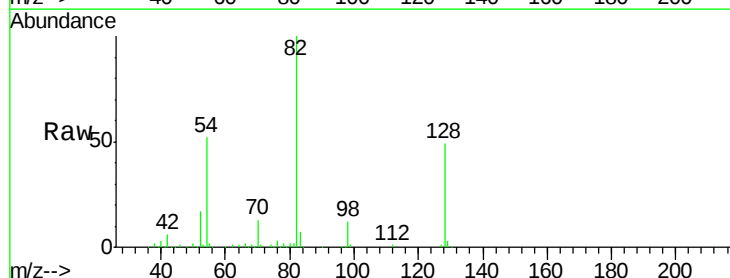
Ion Ratio Lower Upper

70 100

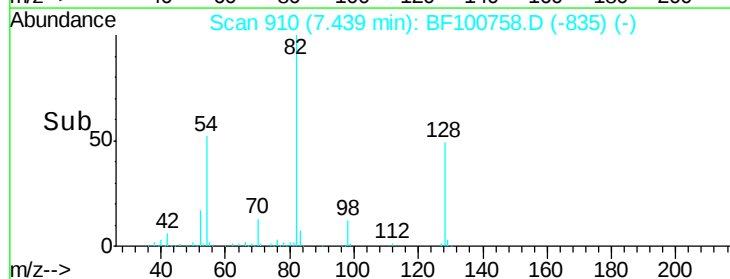
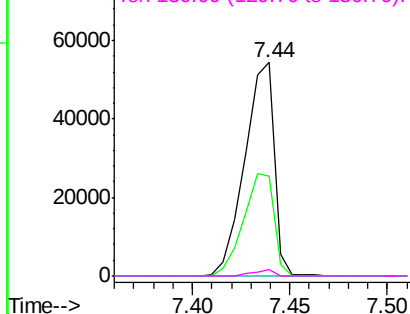
42 46.6 47.5 71.3#

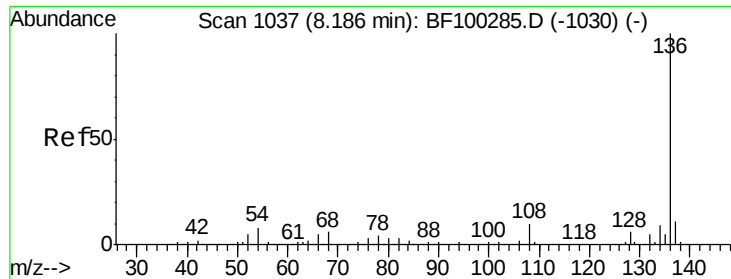
101 0.0 7.4 11.2#

130 2.7 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

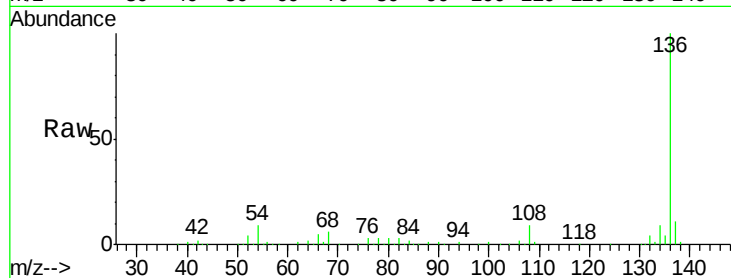




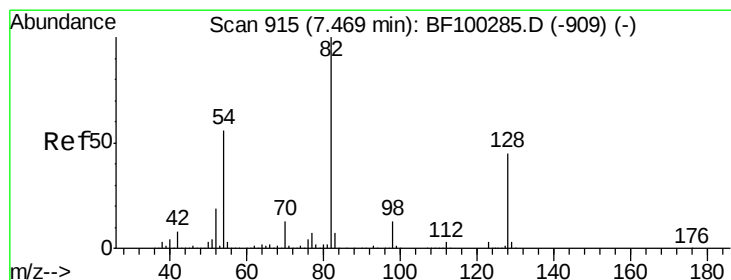
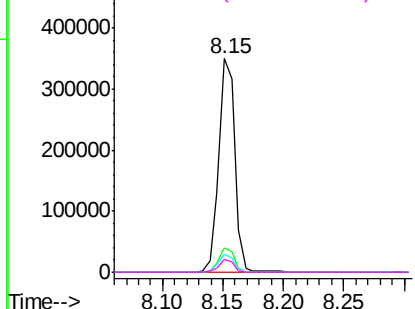
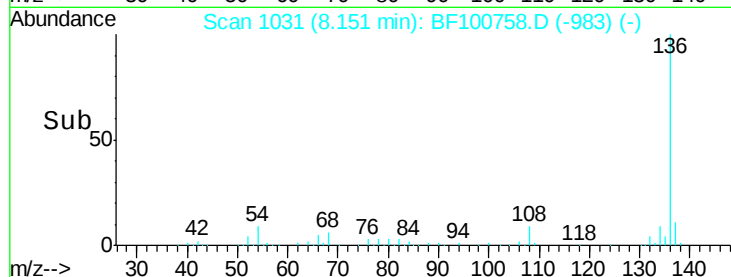
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF100758.D
Acq: 21 Nov 2017 3:55

Instrument :
BNA_F
ClientSampleId :
RT-4252-RT-3025-RT-2342

Tgt Ion:	136	Resp:	317655
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.6	6.6	9.8
68	5.9	5.0	7.4

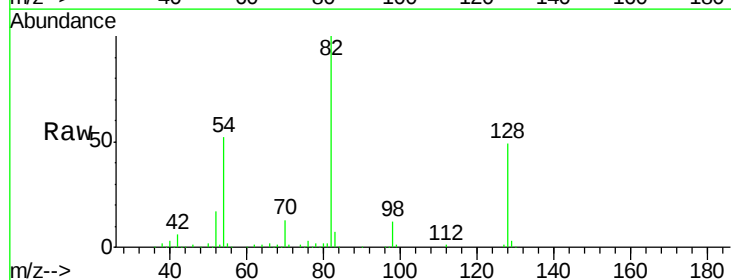


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

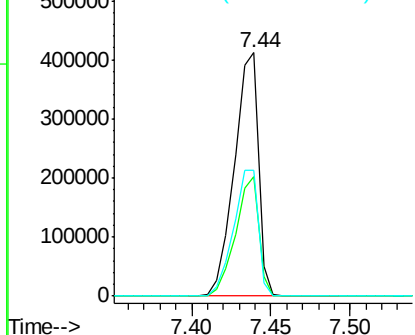
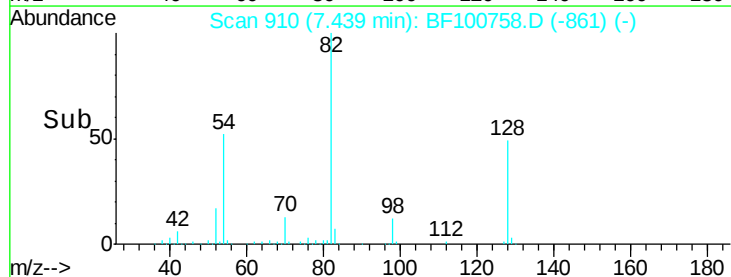


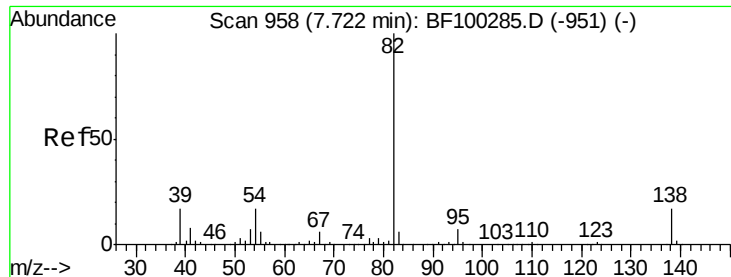
#23
Nitrobenzene-d5
Concen: 90.39 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF100758.D
Acq: 21 Nov 2017 3:55

Tgt Ion:	82	Resp:	434303
Ion	Ratio	Lower	Upper
82	100		
128	48.9	36.1	54.1
54	51.8	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: 43.01 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF100758.D

Acq: 21 Nov 2017 3:55

Instrument :

BNA_F

ClientSampleId :

RT-4252-RT-3025-RT-2342

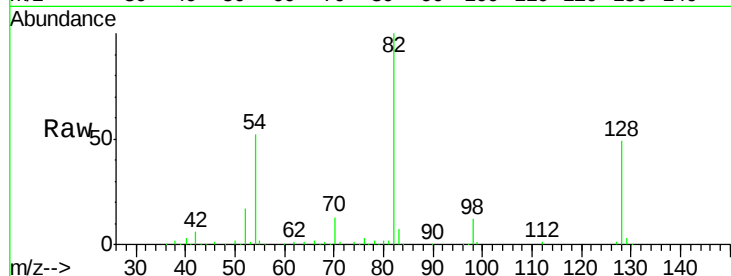
Tgt Ion: 82 Resp: 434298

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

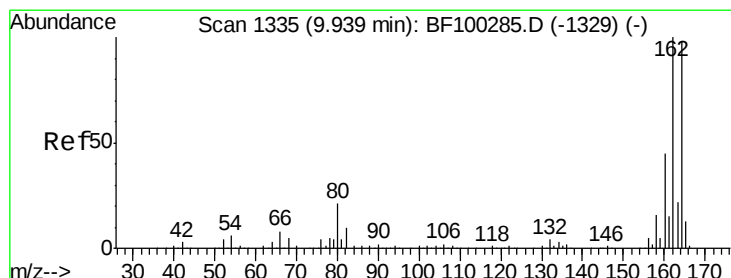
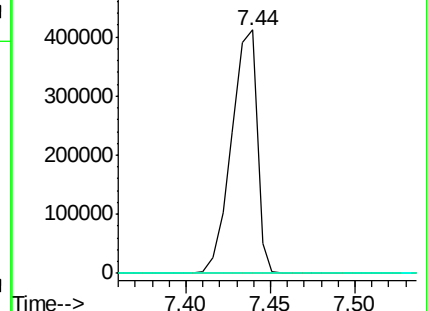
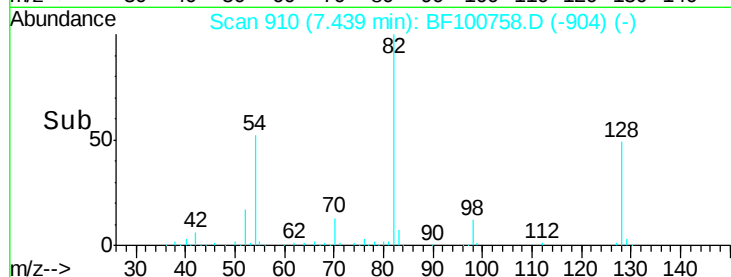
138 0.0 14.9 22.3#



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: BF100758.D

Acq: 21 Nov 2017 3:55

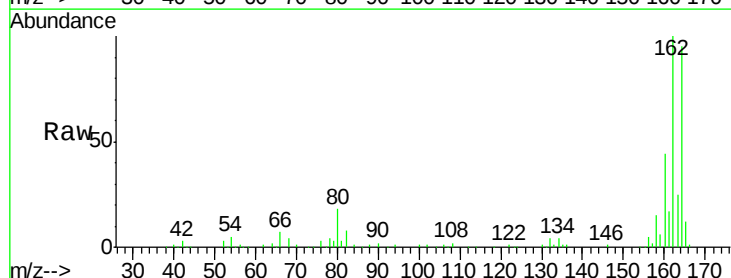
Tgt Ion: 164 Resp: 123316

Ion Ratio Lower Upper

164 100

162 105.5 86.1 129.1

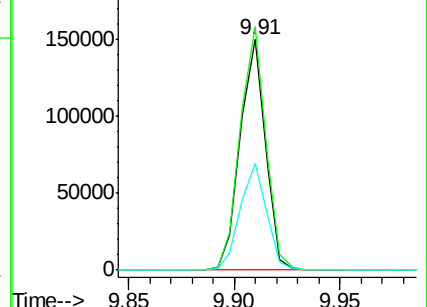
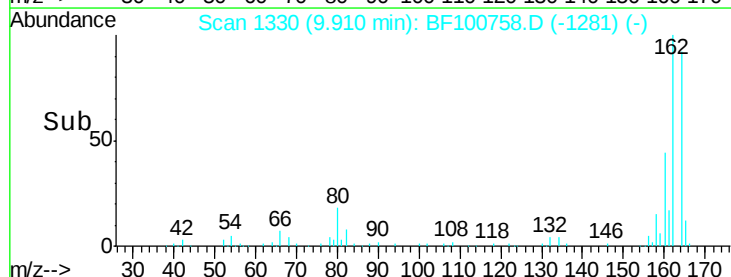
160 46.5 38.3 57.5

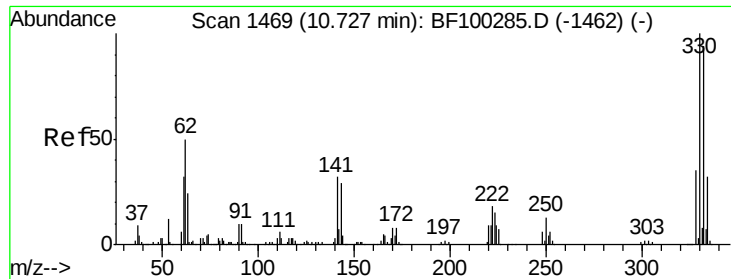


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

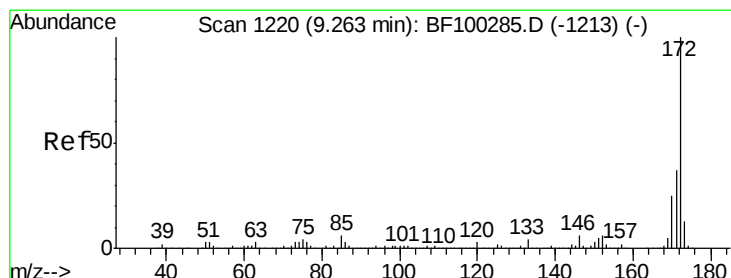
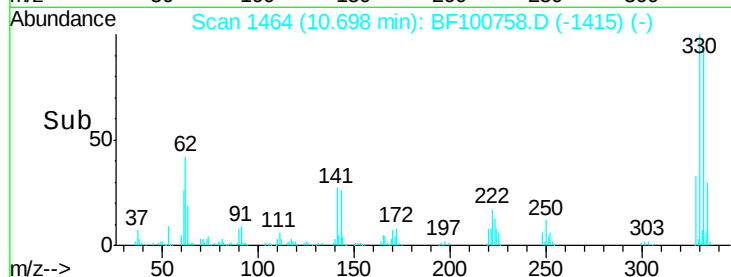
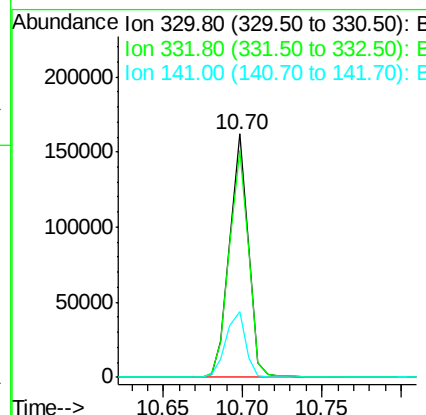
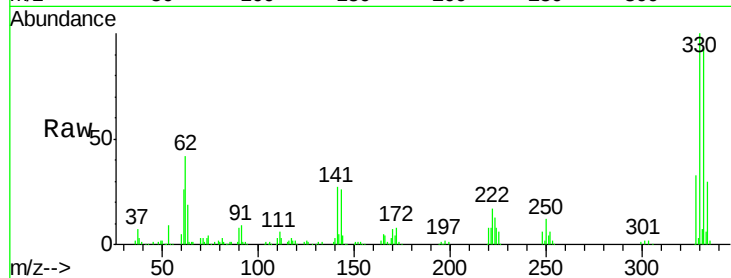




#41
 2,4,6-Tribromophenol
 Concen: 106.74 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF100758.D
 Acq: 21 Nov 2017 3:55

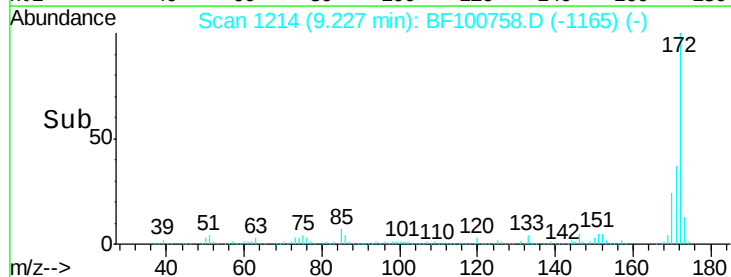
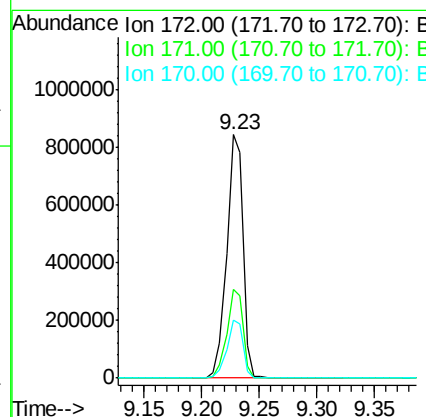
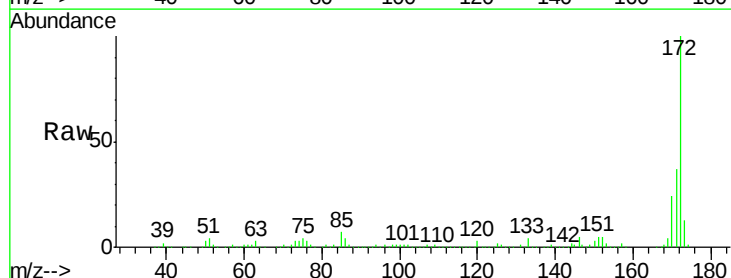
Instrument :
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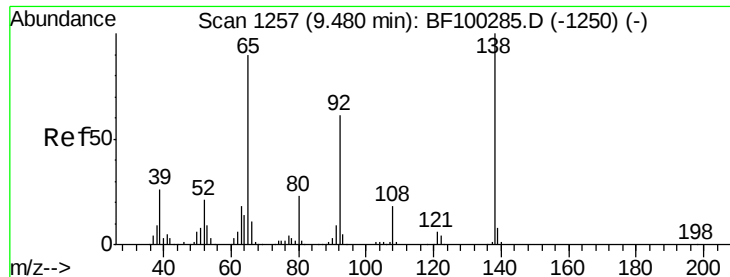
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	28.3	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 101.90 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF100758.D
 Acq: 21 Nov 2017 3:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	23.6	19.6	29.4

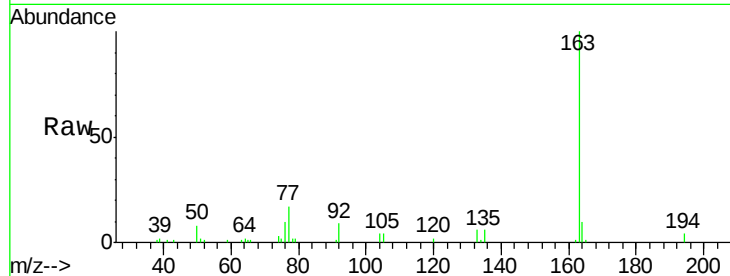




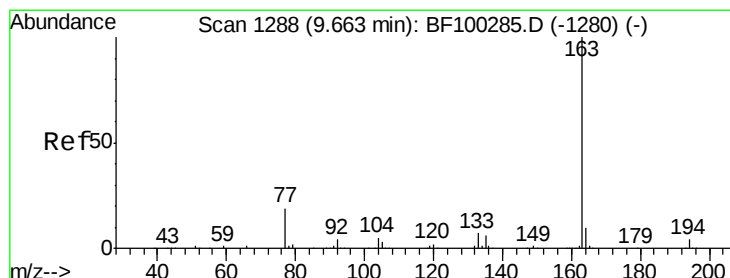
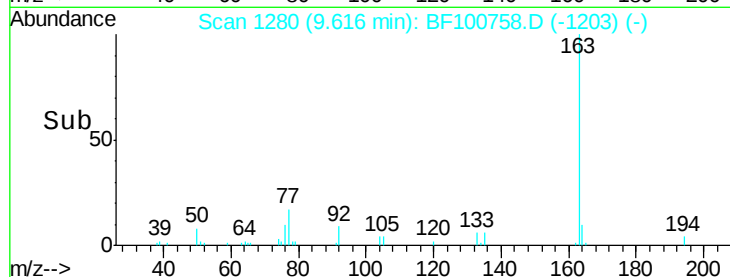
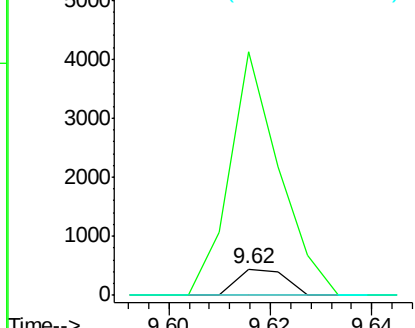
#47
2-Nitroaniline
Concen: 2.91 ng
RT: 9.62 min Scan# 1280
Delta R.T. 0.15 min
Lab File: BF100758.D
Acq: 21 Nov 2017 3:55

Instrument :
BNA_F
ClientSampleId :
RT-4252-RT-3025-RT-2342

Tgt Ion: 65 Resp: 300
Ion Ratio Lower Upper
65 100
92 920.1 55.8 83.6#
138 0.0 91.2 136.8#

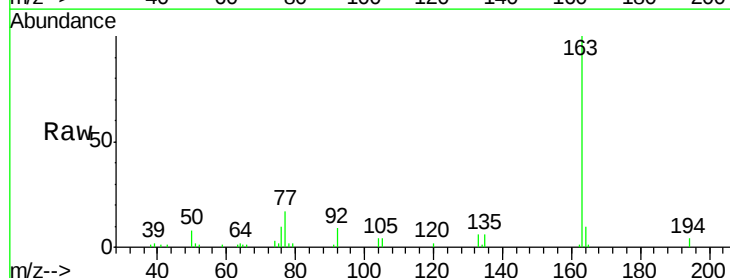


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

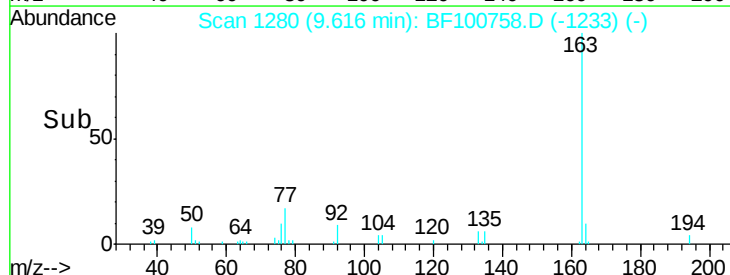
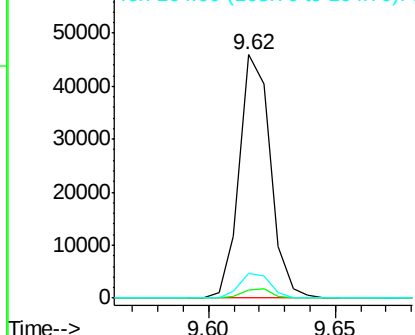


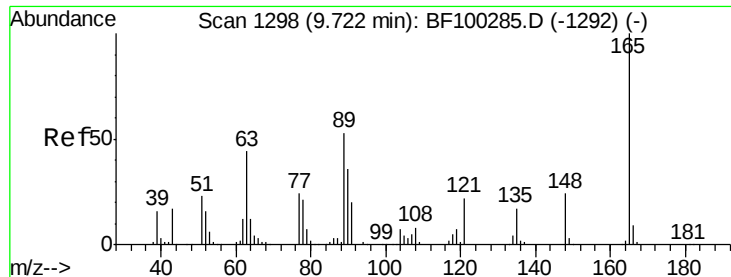
#49
Dimethylphthalate
Concen: 4.17 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF100758.D
Acq: 21 Nov 2017 3:55

Tgt Ion: 163 Resp: 39284
Ion Ratio Lower Upper
163 100
194 3.6 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

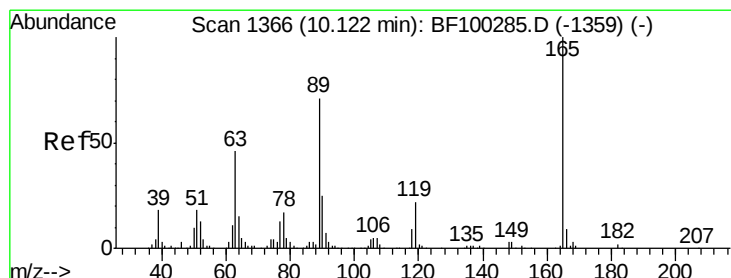
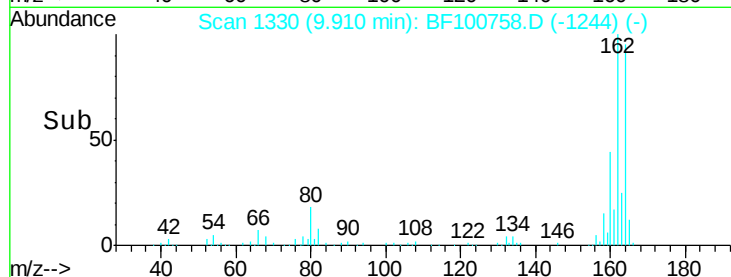
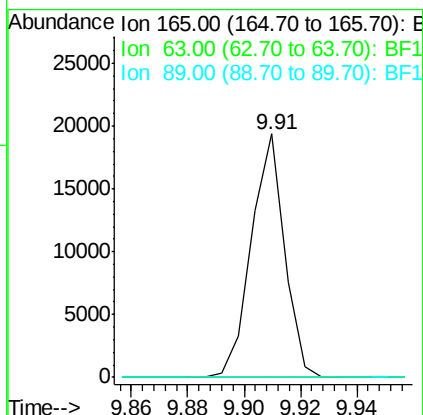
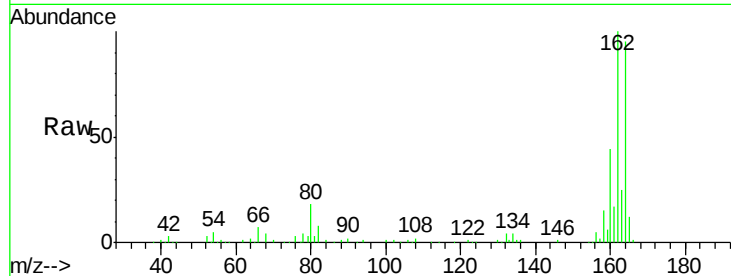




#50
 2,6-Dinitrotoluene
 Concen: 8.48 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.21 min
 Lab File: BF100758.D
 Acq: 21 Nov 2017 3:55

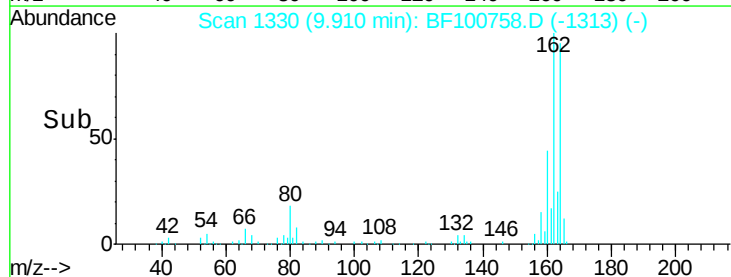
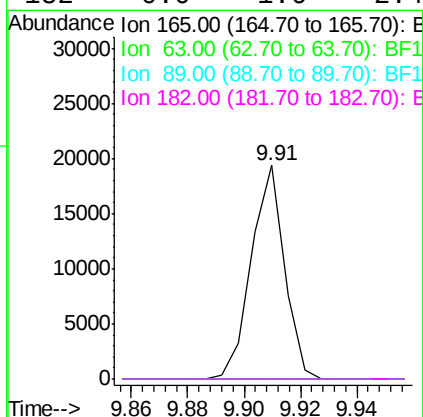
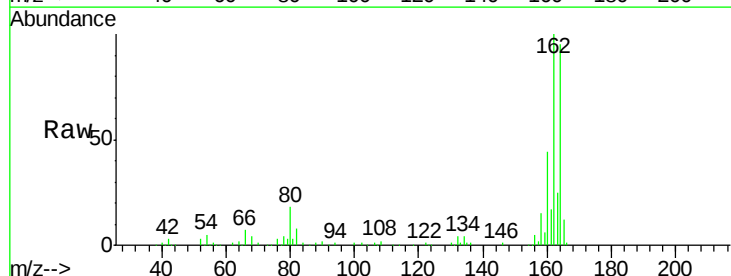
Instrument :
 BNA_F
 ClientSampleId :
 RT-4252-RT-3025-RT-2342

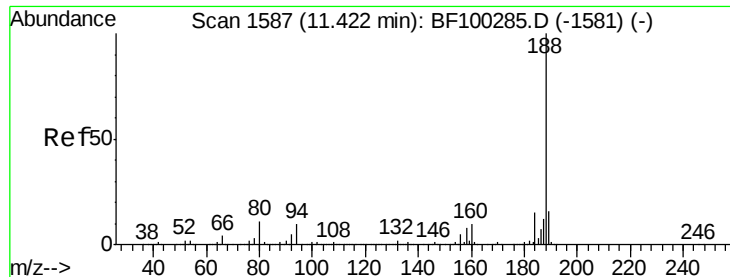
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.72 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF100758.D
 Acq: 21 Nov 2017 3:55

Tgt 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#

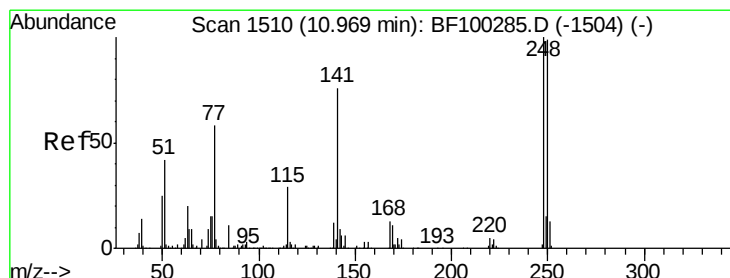
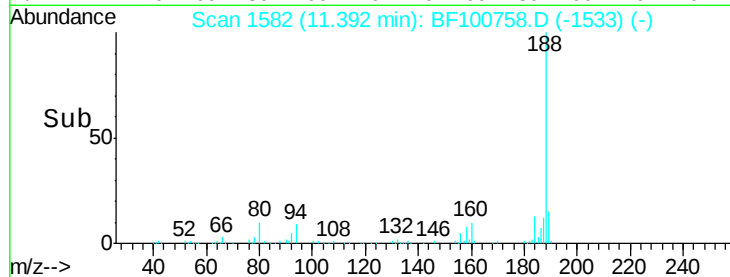
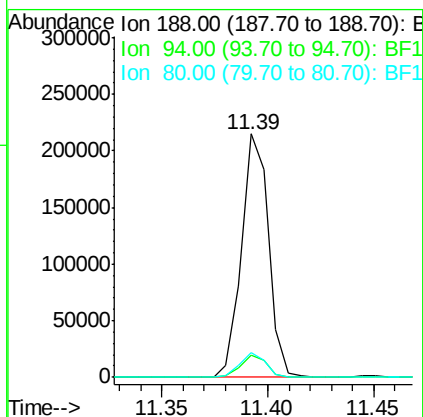
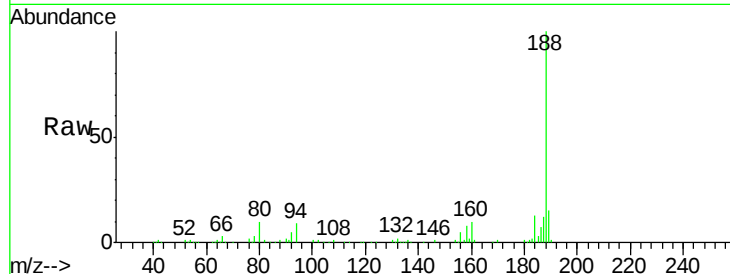




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF100758.D
Acq: 21 Nov 2017 3:55

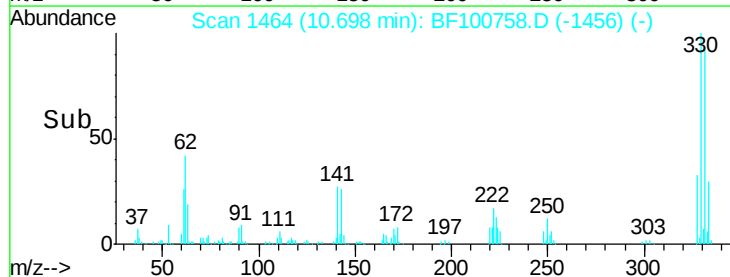
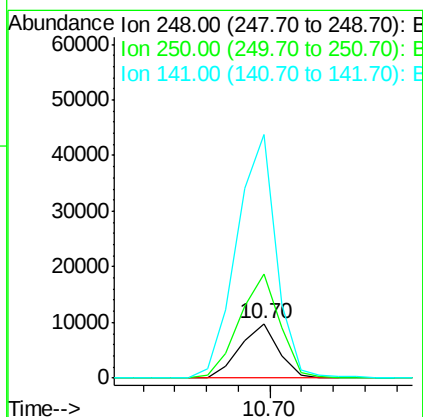
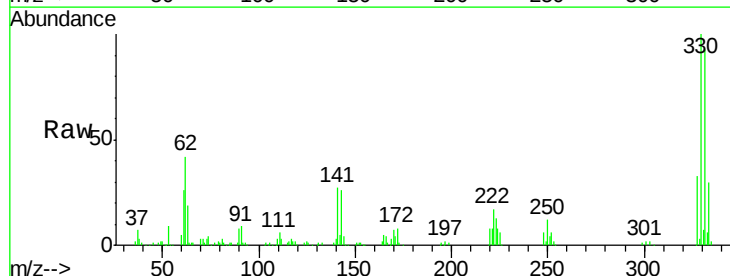
Instrument :
BNA_F
ClientSampleId :
RT-4252-RT-3025-RT-2342

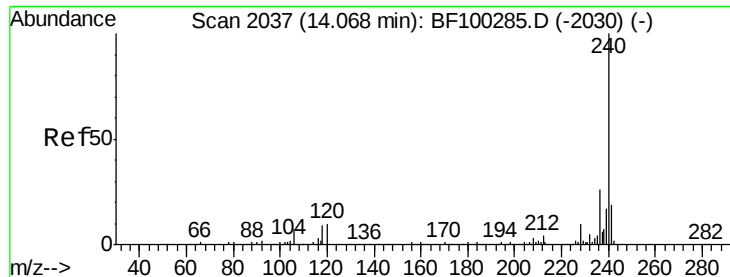
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.5	12.7
80	10.4	9.2	13.8



#66
4-Bromophenyl-phenylether
Concen: 4.00 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.25 min
Lab File: BF100758.D
Acq: 21 Nov 2017 3:55

Tgt Ion	Ratio	Lower	Upper
248	100		
250	191.9	76.9	115.3#
141	447.9	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: BF100758.D

Acq: 21 Nov 2017 3:55

Instrument :

BNA_F

ClientSampleId :

RT-4252-RT-3025-RT-2342

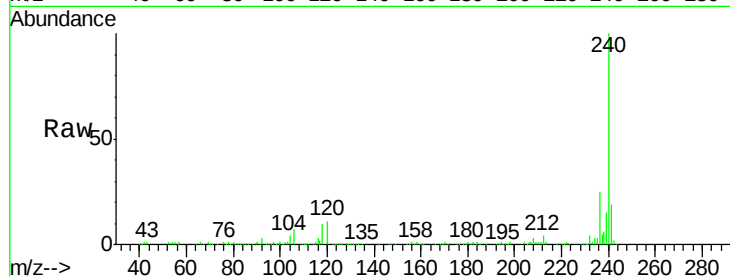
Tgt Ion:240 Resp: 195312

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

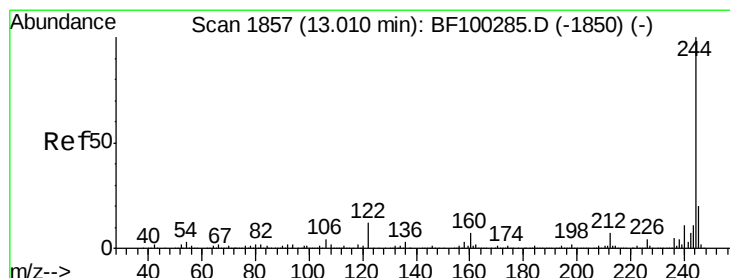
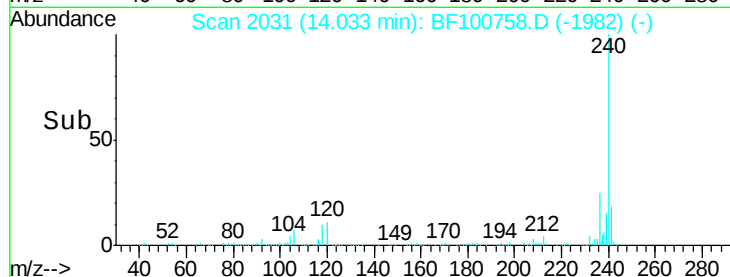
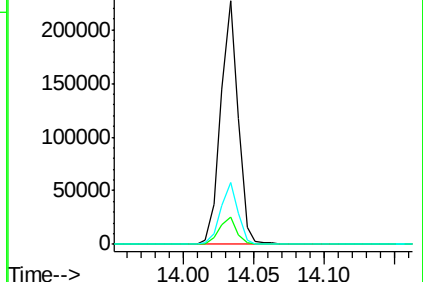
236 25.3 20.7 31.1



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: 74.57 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF100758.D

Acq: 21 Nov 2017 3:55

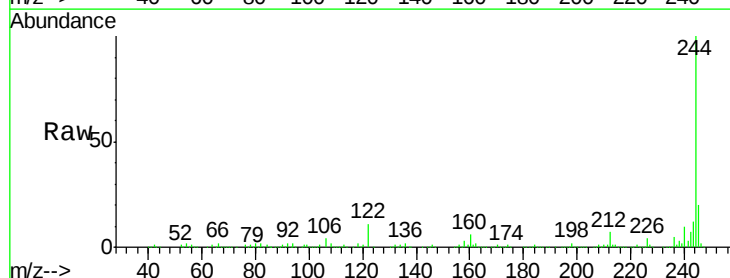
Tgt Ion:244 Resp: 633880

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

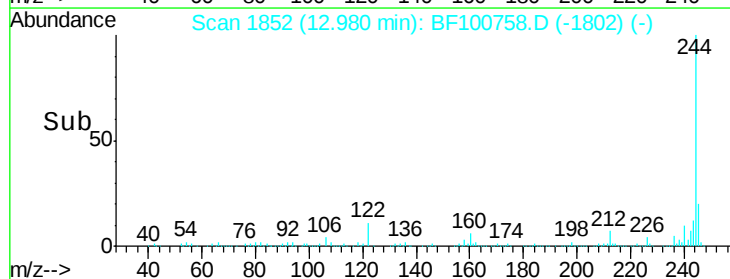
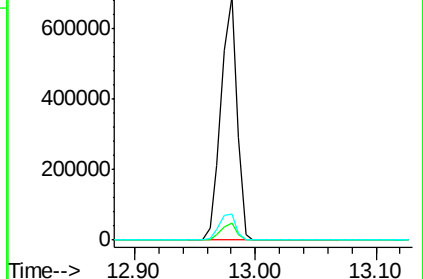
122 10.8 11.0 16.4#

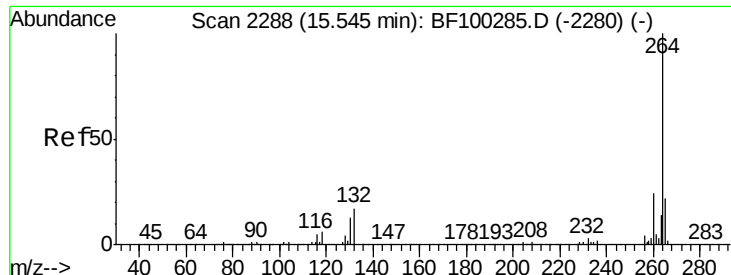


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

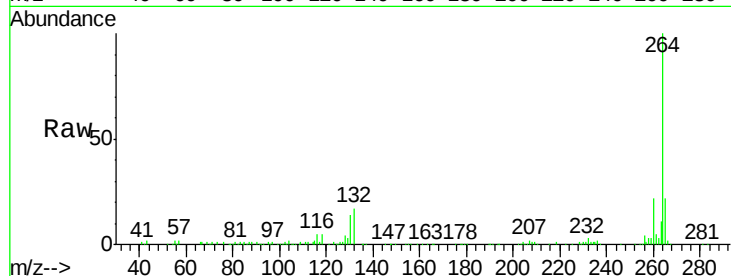




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF100758.D
Acq: 21 Nov 2017 3:55

Instrument :
BNA_F
ClientSampleId :
RT-4252-RT-3025-RT-2342

Tgt Ion: 264 Resp: 155198
Ion Ratio Lower Upper
264 100
260 22.4 19.2 28.8
265 21.7 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

