

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
 Data File : BF100920.D
 Acq On : 28 Nov 2017 4:35
 Operator : SJ/JU
 Sample : I6594-02
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 28 09:57:10 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	58689	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	235557	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	109613	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	202640	20.00	ng	0.00
75) Chrysene-d12	14.02	240	135508	20.00	ng	-0.01
86) Perylene-d12	15.49	264	120292	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	453671	123.91	ng	0.02
7) Phenol-d6	6.49	99	488946	108.30	ng	0.00
23) Nitrobenzene-d5	7.42	82	394647	110.76	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	179851	161.02	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	818116	113.65	ng	0.00
78) Terphenyl-d14	12.97	244	745089	126.34	ng	0.00

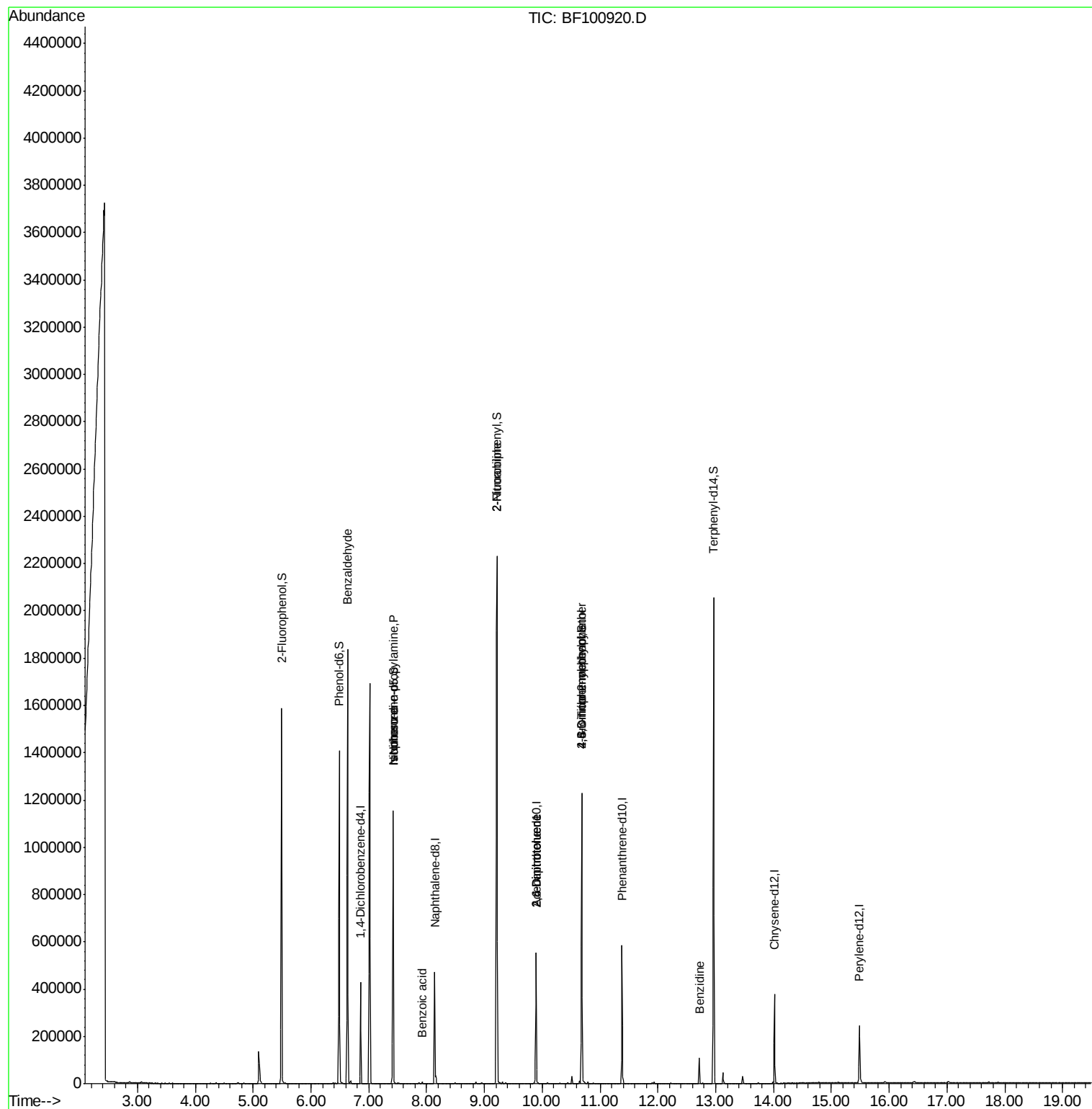
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.63	77	10637	3.299	ng	91
19) n-Nitroso-di-n-propylamine	7.42	70	51198	16.352	ng	# 80
25) Isophorone	7.42	82	394644	52.709	ng	# 64
32) Benzoic acid	7.92	122	1667	9.893	ng	# 14
47) 2-Nitroaniline	9.21	65	1212	3.346	ng	# 1
50) 2,6-Dinitrotoluene	9.89	165	13955	8.424	ng	# 24
56) 2,4-Dinitrotoluene	9.89	165	13955	6.677	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.69	198	234	8.758	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	11218	5.164	ng	# 1
76) Benzidine	12.72	184	52464	9.668	ng	97

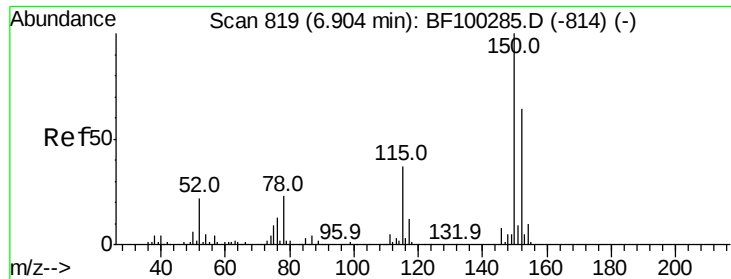
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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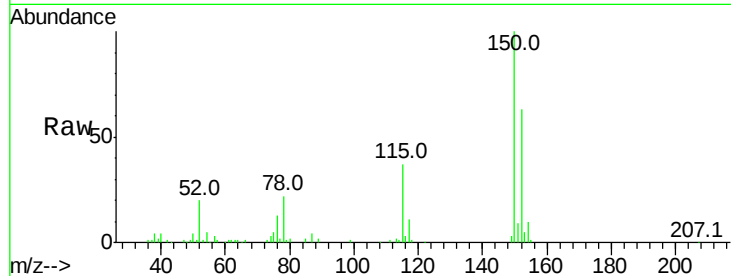


#1

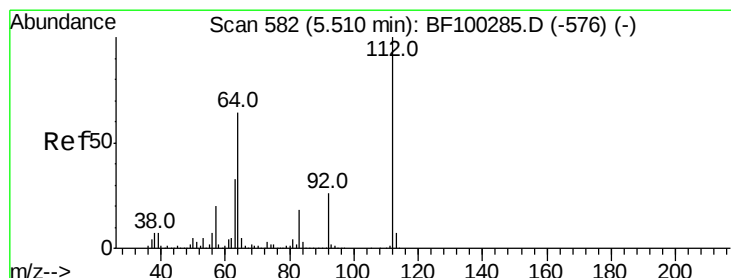
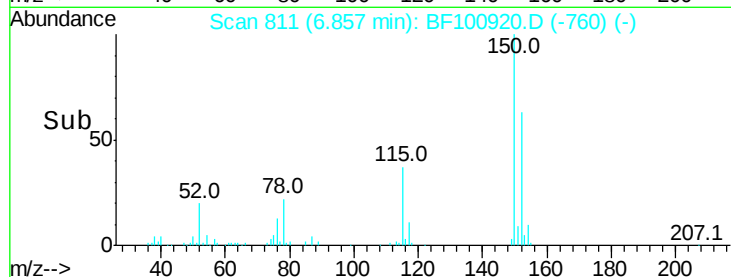
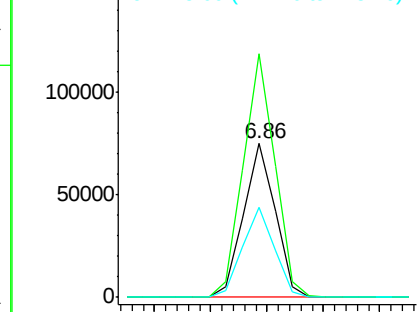
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF100920.D
Acq: 28 Nov 2017 4:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 58689
Ion Ratio Lower Upper
152 100
150 158.3 124.6 186.8
115 58.7 50.1 75.1



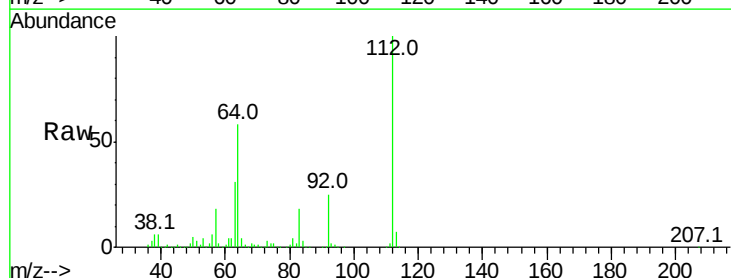
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



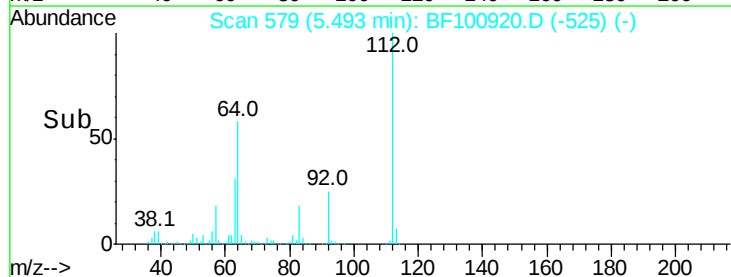
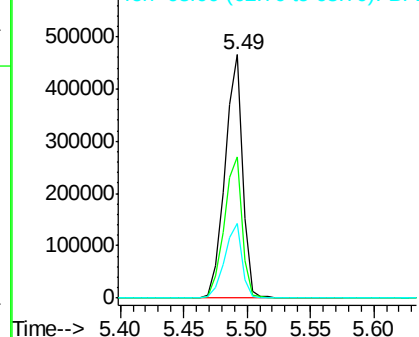
#5

2-Fluorophenol
Concen: 123.912 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.02 min
Lab File: BF100920.D
Acq: 28 Nov 2017 4:35

Tgt Ion:112 Resp: 453671
Ion Ratio Lower Upper
112 100
64 58.1 47.9 71.9
63 30.5 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: 108.299 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF100920.D

Acq: 28 Nov 2017 4:35

Instrument :

BNA_F

ClientSampleId :

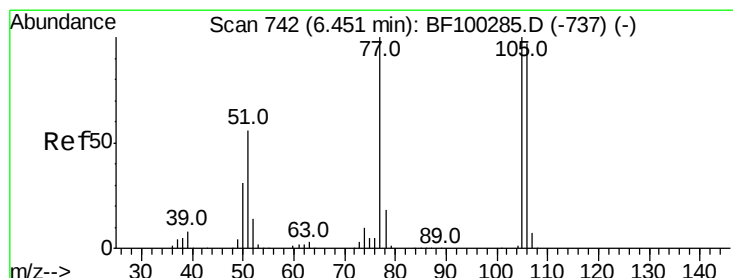
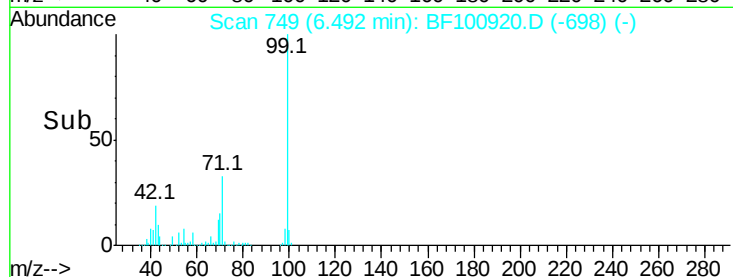
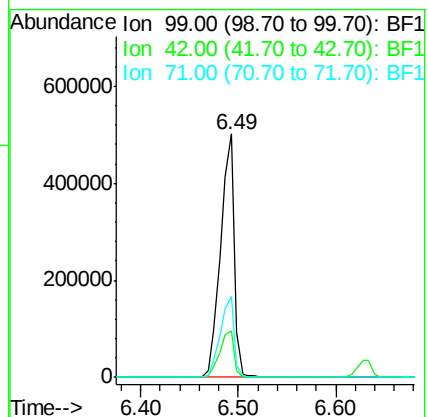
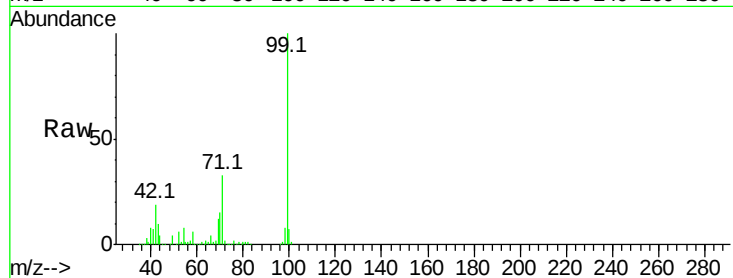
Tot Ion: 99 Resp: 488946

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

71 33.4 25.4 38.0



#9

Benzaldehyde

Concen: 3.299 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.22 min

Lab File: BF100920.D

Acq: 28 Nov 2017 4:35

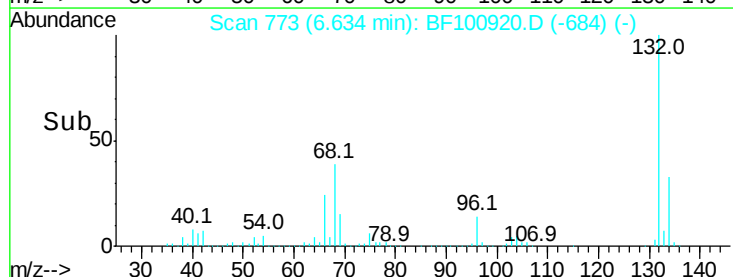
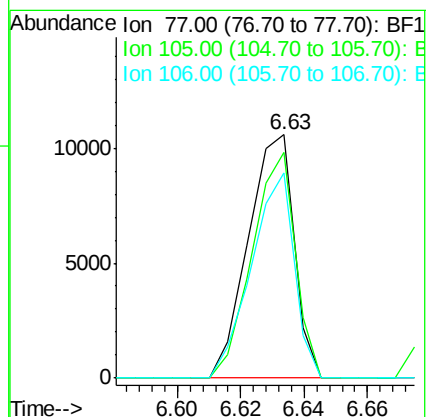
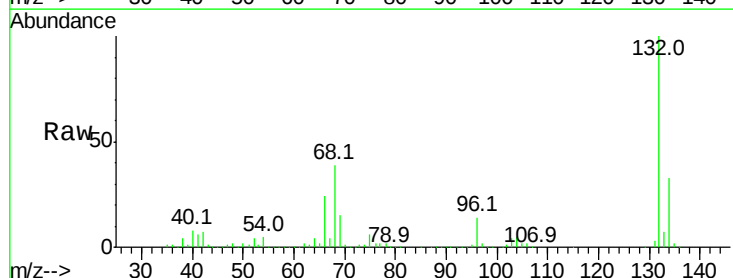
Tgt Ion: 77 Resp: 10637

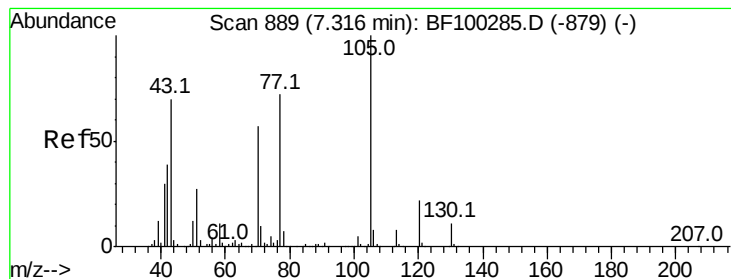
Ion Ratio Lower Upper

77 100

105 92.9 81.1 121.1

106 84.0 74.5 114.5





#19

n-Nitroso-di-n-propylamine

Concen: 16.352 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF100920.D

Acq: 28 Nov 2017 4:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 51198

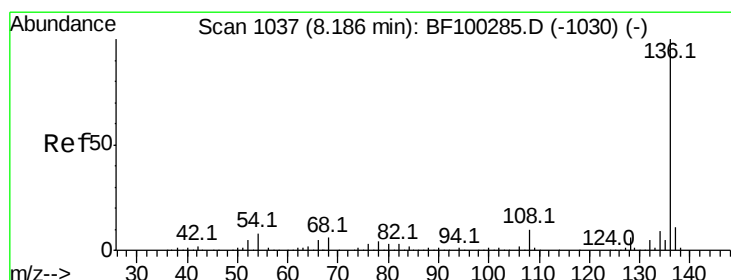
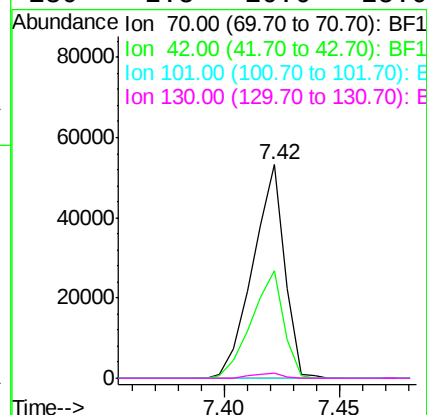
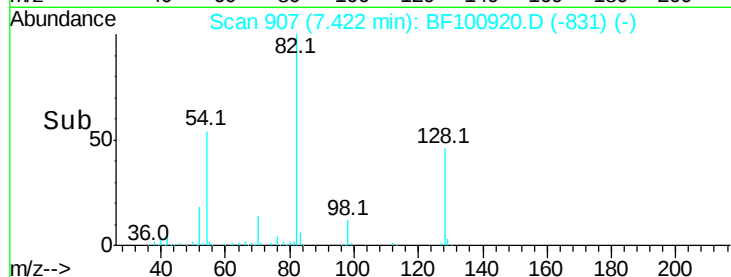
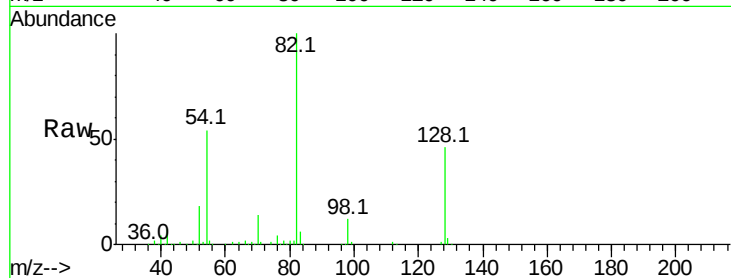
Ion Ratio Lower Upper

70 100

42 50.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 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: BF100920.D

Acq: 28 Nov 2017 4:35

Tgt Ion: 136 Resp: 235557

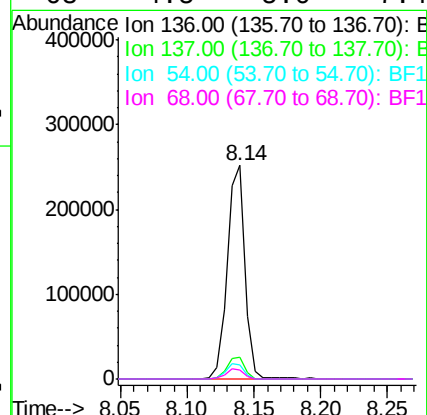
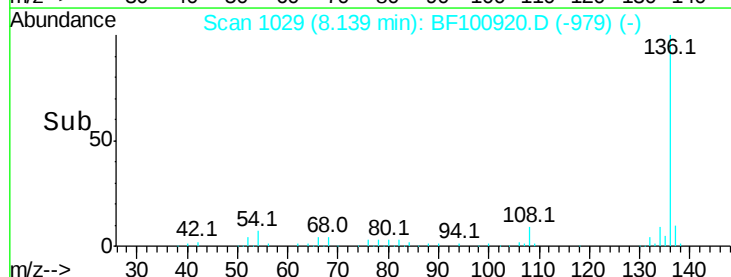
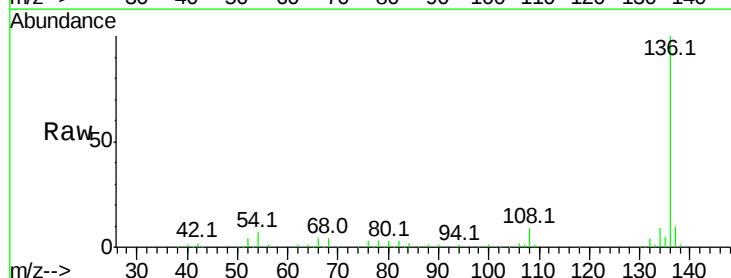
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 6.8 6.6 9.8

68 4.5 5.0 7.4#

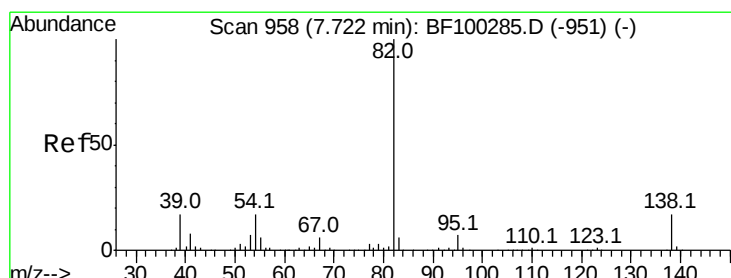
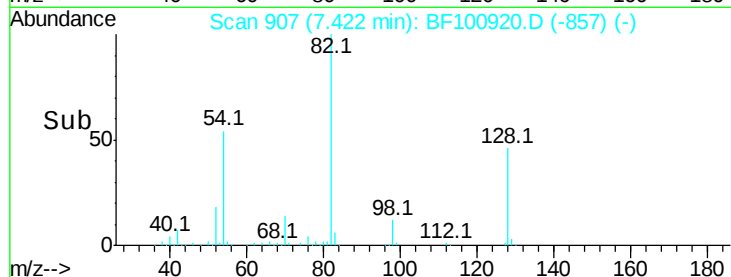
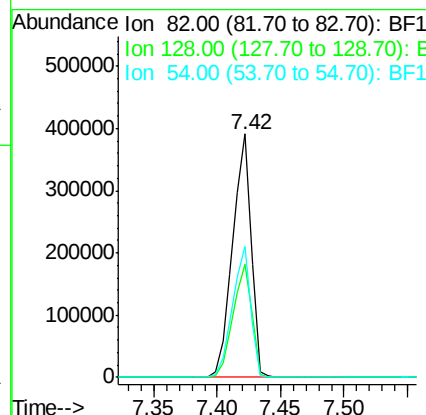
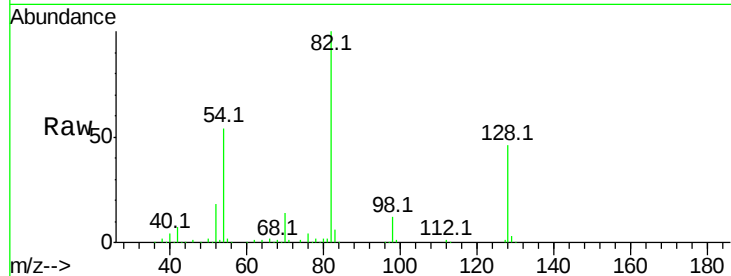




#23
Nitrobenzene-d5
Concen: 110.765 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF100920.D
Acq: 28 Nov 2017 4:35

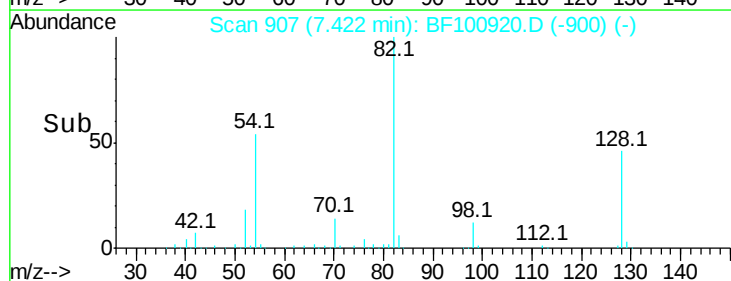
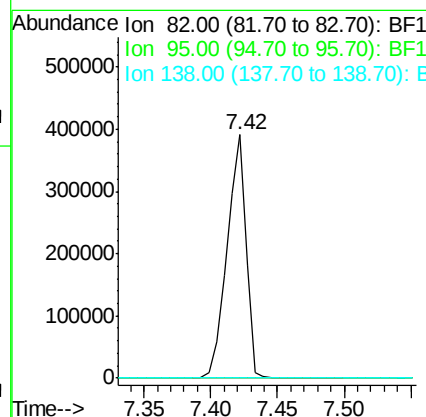
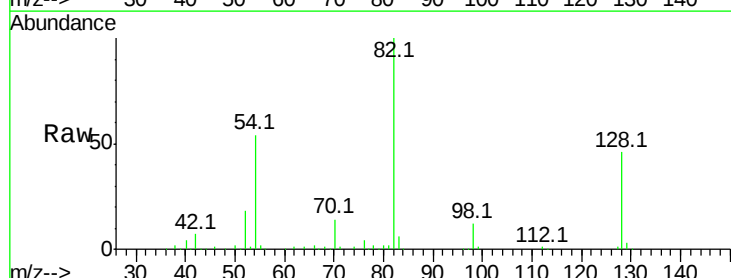
Instrument :
BNA_F
ClientSampleId :

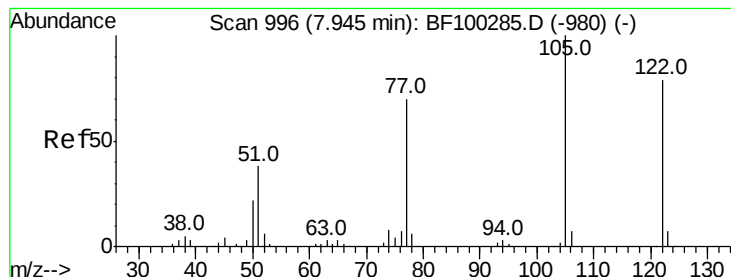
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.1	54.1
54	53.9	41.4	62.2



#25
Isophorone
Concen: 52.709 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.26 min
Lab File: BF100920.D
Acq: 28 Nov 2017 4:35

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#





#32

Benzoic acid

Concen: 9.893 ng

RT: 7.92 min Scan# 992

Delta R.T. 0.00 min

Lab File: BF100920.D

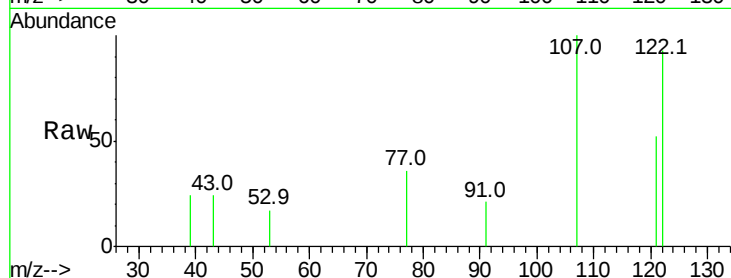
Acq: 28 Nov 2017 4:35

Instrument :

BNA_F

ClientSampleId :

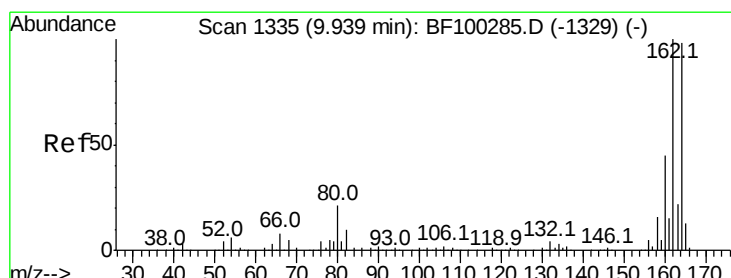
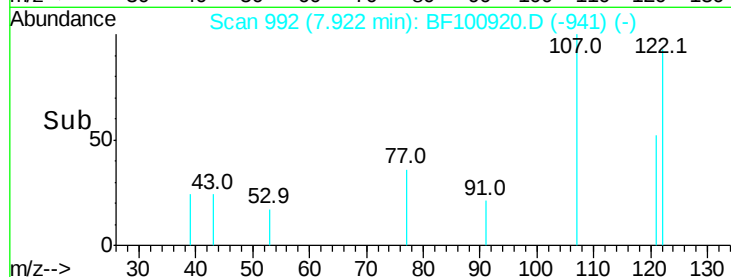
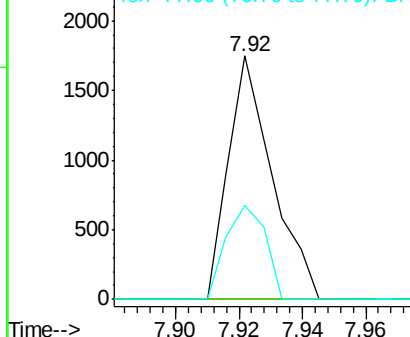
Tot Ion:	122	Resp:	1667
Ion Ratio	Lower	Upper	
122	100		
105	0.0	101.1	141.1#
77	38.6	70.7	110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

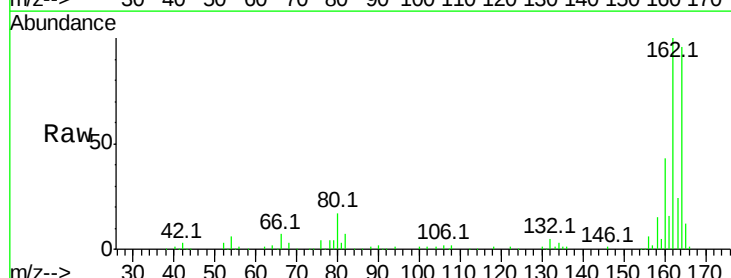
RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF100920.D

Acq: 28 Nov 2017 4:35

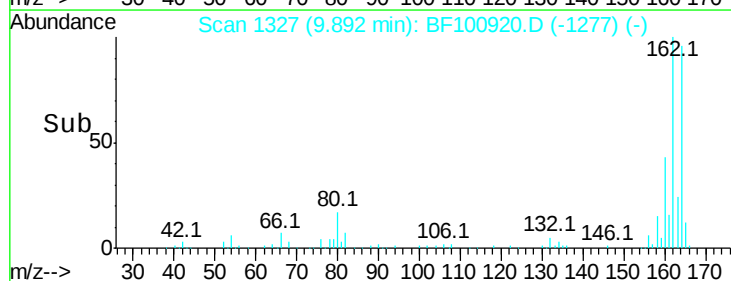
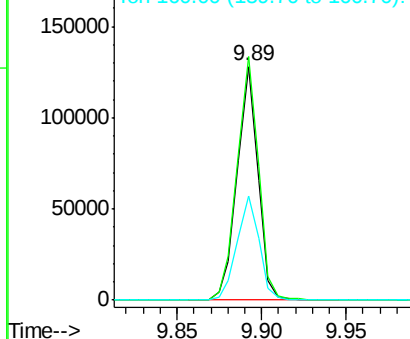
Tgt Ion:	164	Resp:	109613
Ion Ratio	Lower	Upper	
164	100		
162	104.1	86.1	129.1
160	44.6	38.3	57.5

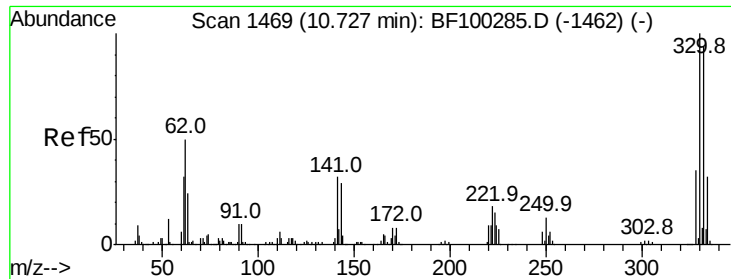


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

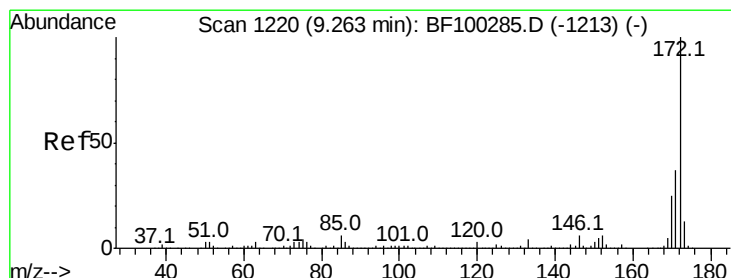
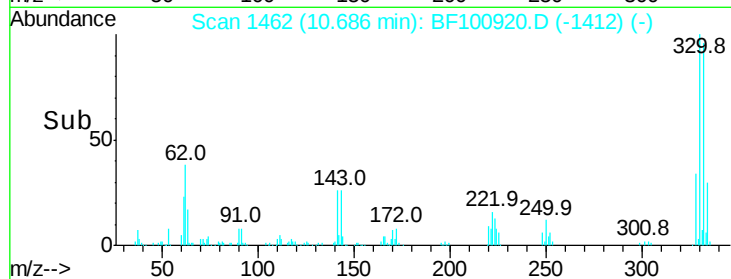
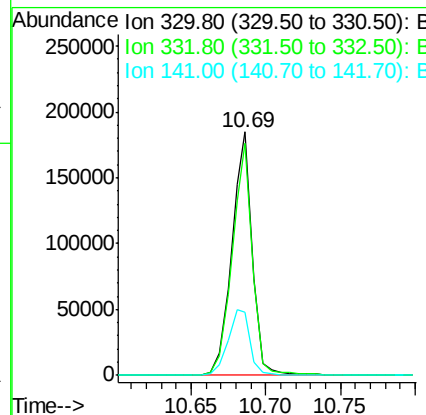
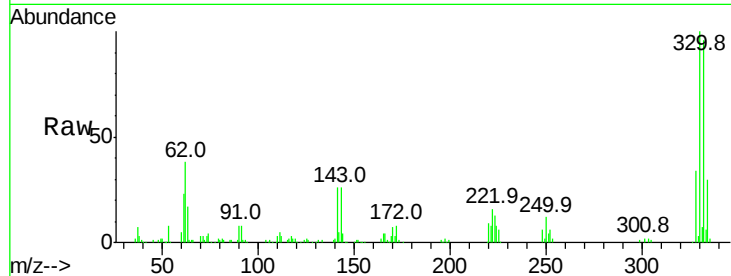




#41
 2,4,6-Tribromophenol
 Concen: 161.019 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF100920.D
 Acq: 28 Nov 2017 4:35

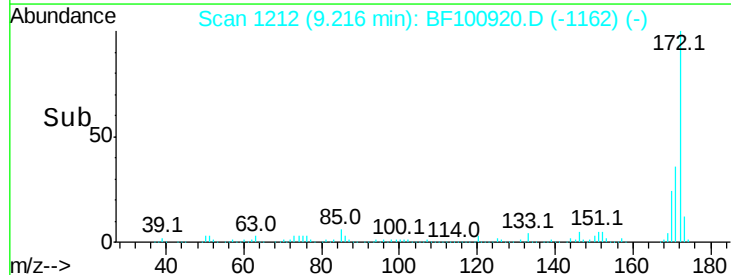
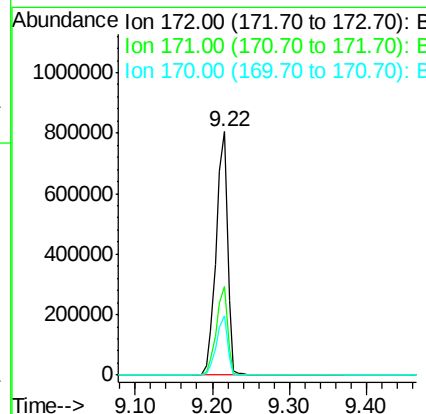
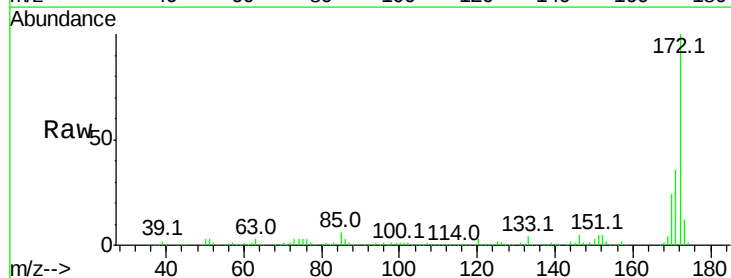
Instrument :
 BNA_F
 ClientSampled :

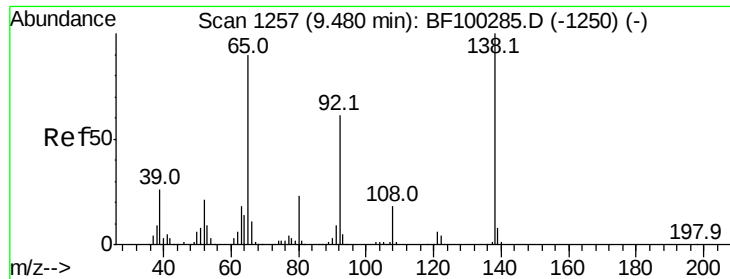
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.0	115.6
141	29.1	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 113.650 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF100920.D
 Acq: 28 Nov 2017 4:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.1	19.6	29.4

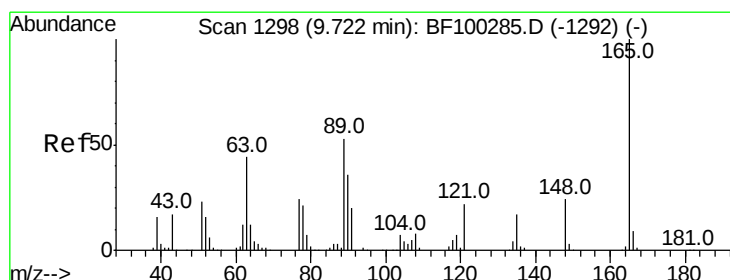
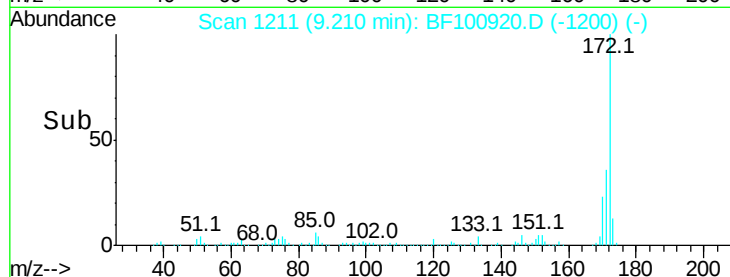
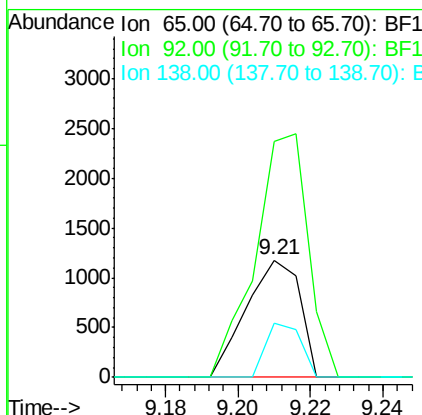
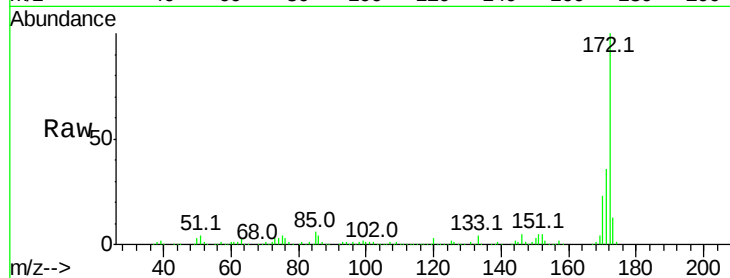




#47
2-Nitroaniline
Concen: 3.346 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.24 min
Lab File: BF100920.D
Acq: 28 Nov 2017 4:35

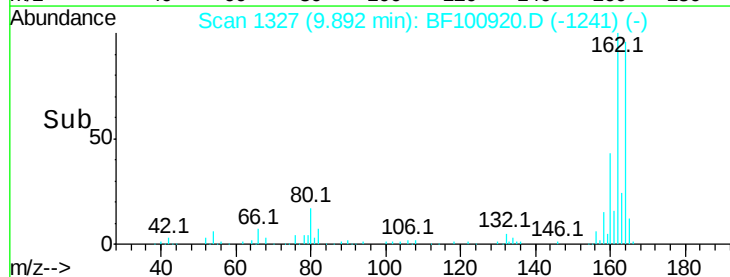
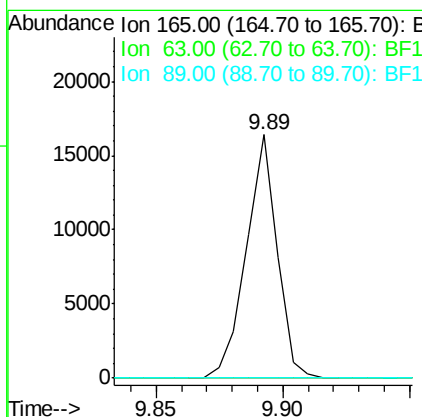
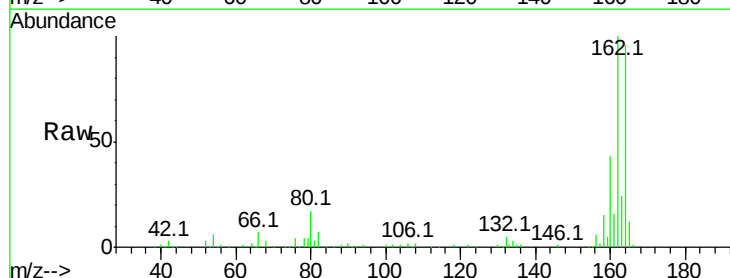
Instrument :
BNA_F
ClientSampled :

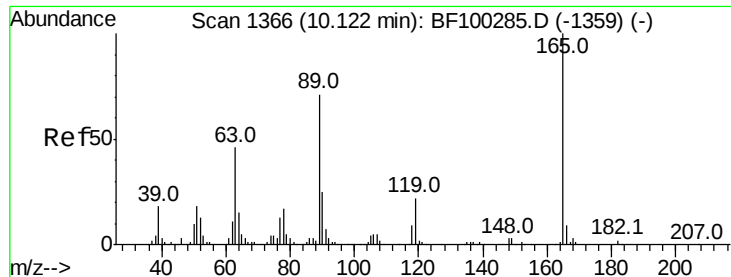
Tot Ion: 65 Resp: 1212
Ion Ratio Lower Upper
65 100
92 200.5 55.8 83.6#
138 46.4 91.2 136.8#



#50
2,6-Dinitrotoluene
Concen: 8.424 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.21 min
Lab File: BF100920.D
Acq: 28 Nov 2017 4:35

Tgt Ion:165 Resp: 13955
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#

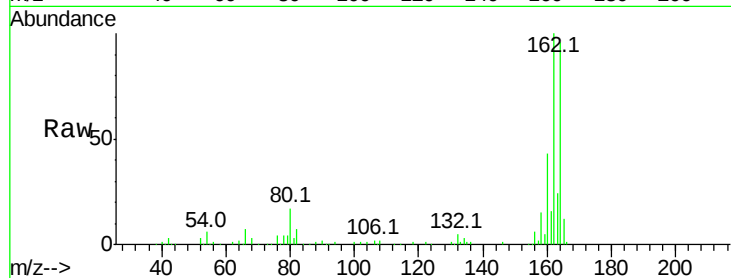




#56
2,4-Dinitrotoluene
Concen: 6.677 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.19 min
Lab File: BF100920.D
Acq: 28 Nov 2017 4:35

Instrument :
BNA_F
ClientSampled :

Tot Ion:	165	Resp:	13955
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#

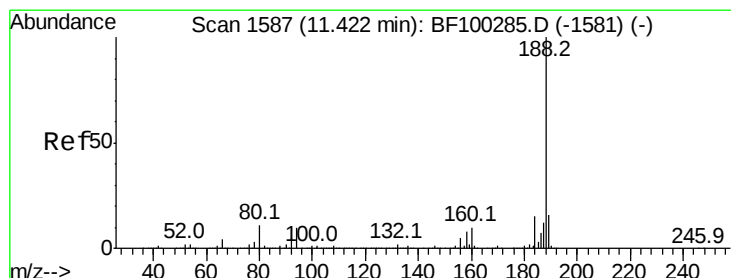
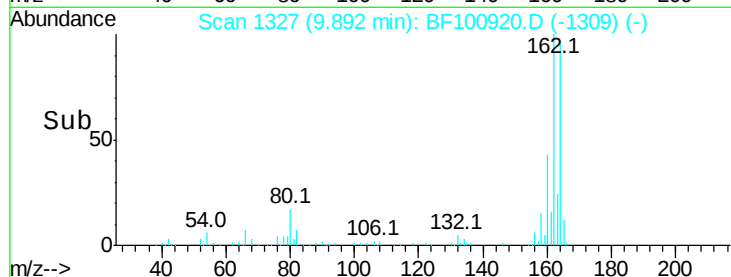
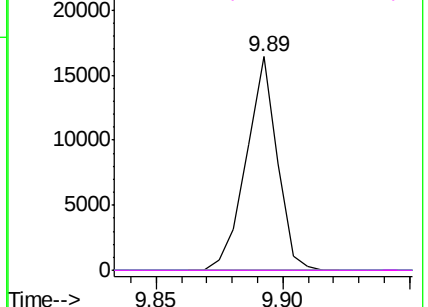


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

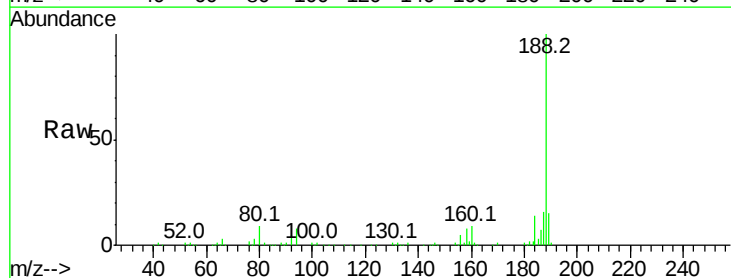
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF100920.D
Acq: 28 Nov 2017 4:35

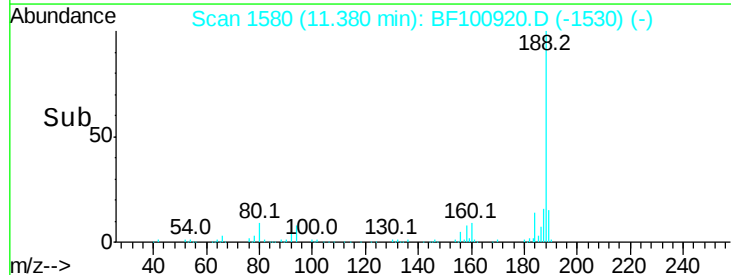
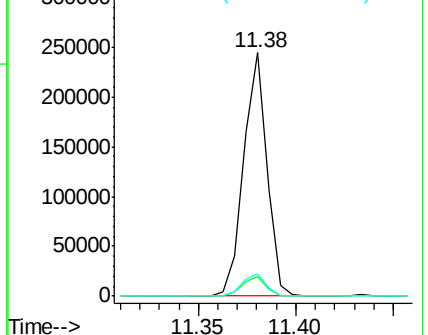
Tgt Ion:	188	Resp:	202640
Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.5	12.7#
80	9.0	9.2	13.8#

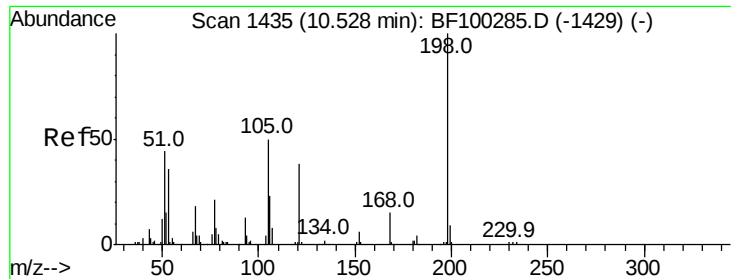


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.758 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.19 min

Lab File: BF100920.D

Acq: 28 Nov 2017 4:35

Instrument :

BNA_F

ClientSampleId :

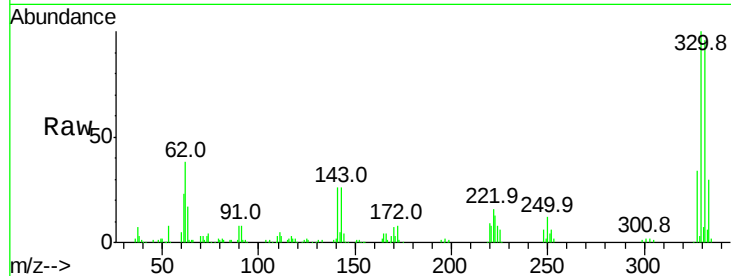
Tot Ion:198 Resp: 234

Ion Ratio Lower Upper

198 100

51 181.1 37.7 77.7#

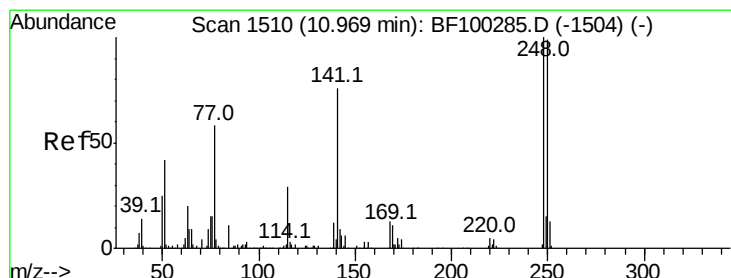
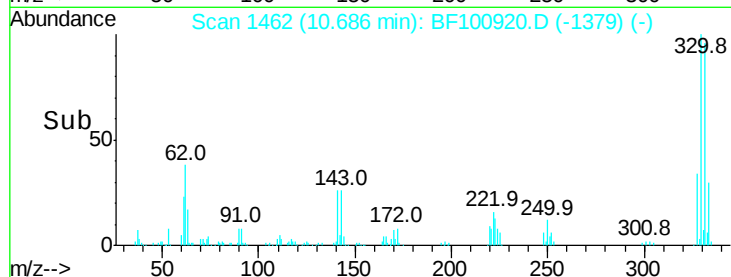
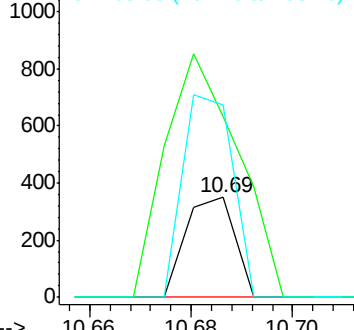
105 192.6 36.3 76.3#



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: 5.164 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.24 min

Lab File: BF100920.D

Acq: 28 Nov 2017 4:35

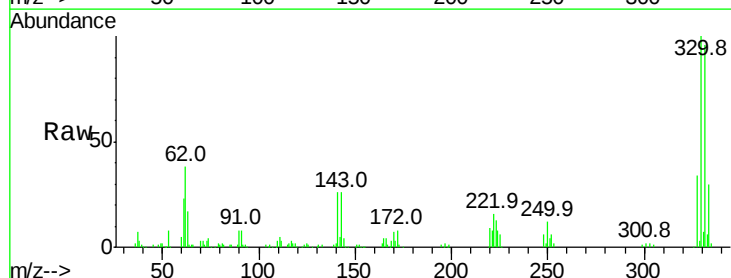
Tgt Ion:248 Resp: 11218

Ion Ratio Lower Upper

248 100

250 182.7 76.9 115.3#

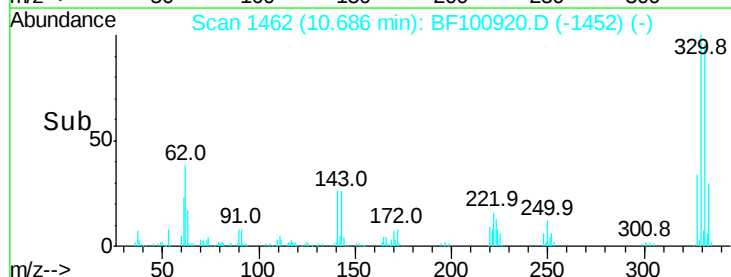
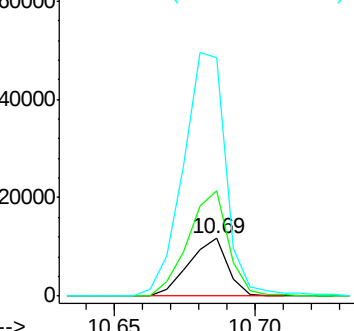
141 413.8 74.4 111.6#

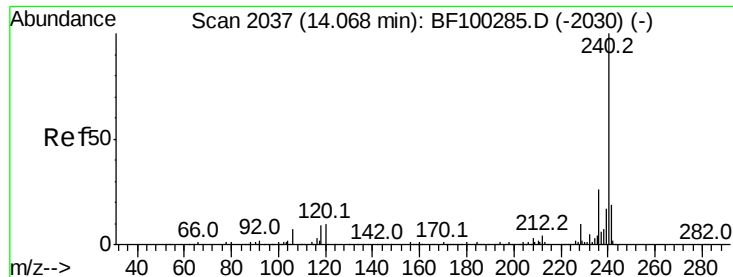


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF100920.D

Acq: 28 Nov 2017 4:35

Instrument :

BNA_F

ClientSampleId :

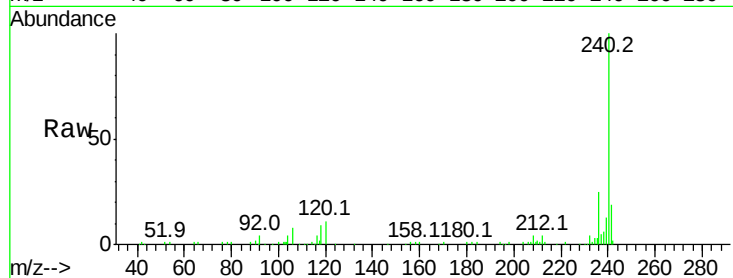
Tot Ion:240 Resp: 135508

Ion Ratio Lower Upper

240 100

120 11.4 9.5 14.3

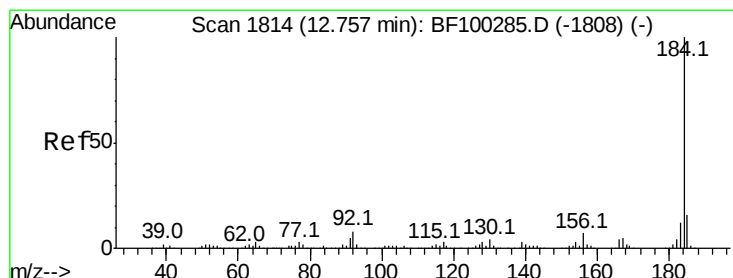
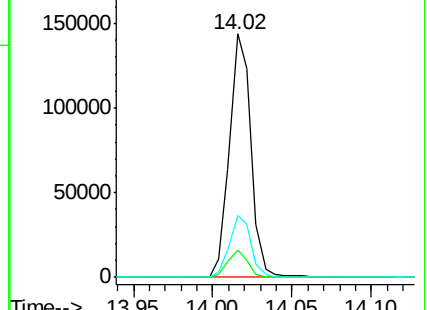
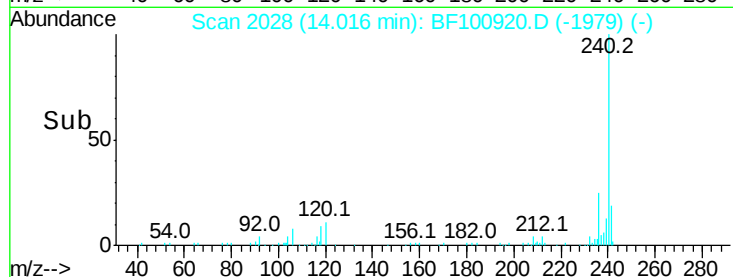
236 25.3 20.7 31.1



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



#76

Benzidine

Concen: 9.668 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.01 min

Lab File: BF100920.D

Acq: 28 Nov 2017 4:35

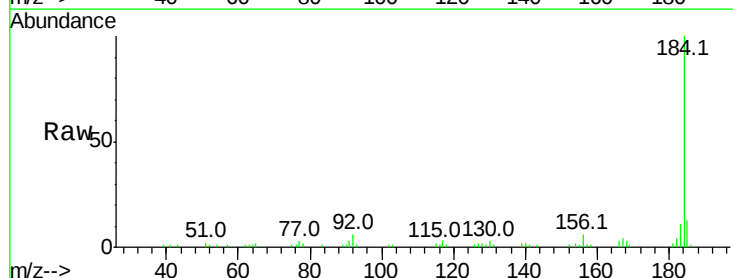
Tgt Ion:184 Resp: 52464

Ion Ratio Lower Upper

184 100

185 13.5 12.6 18.8

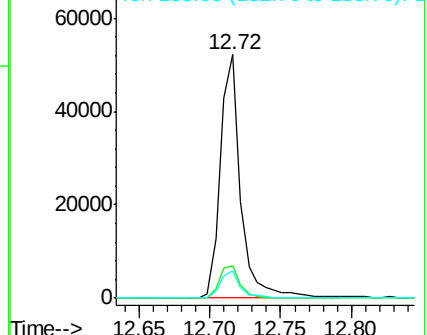
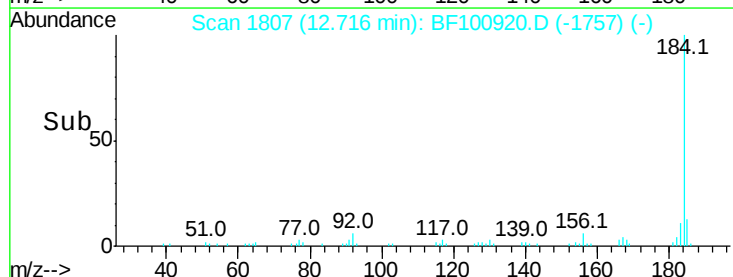
183 11.3 9.3 13.9

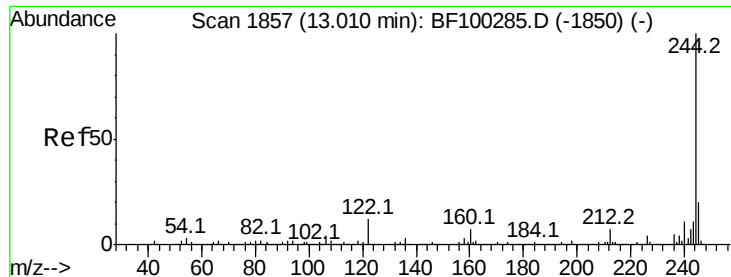


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 126.339 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.00 min

Lab File: BF100920.D

Acq: 28 Nov 2017 4:35

Instrument :

BNA_F

ClientSampled :

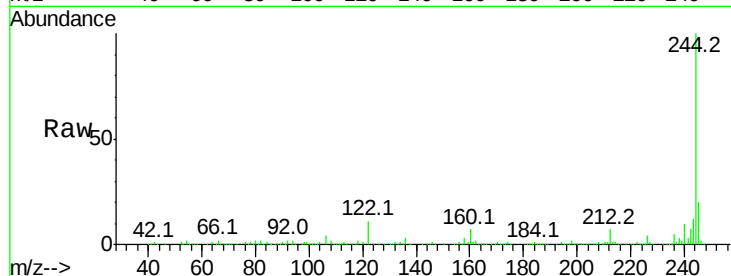
Tot Ion:244 Resp: 745089

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

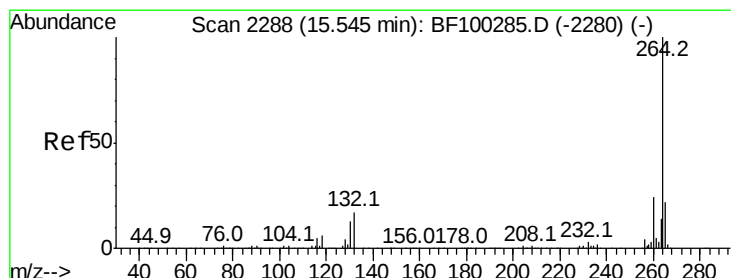
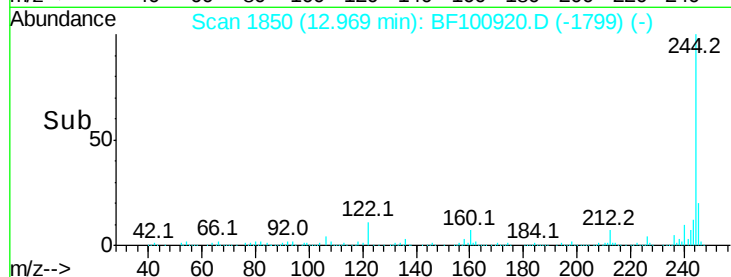
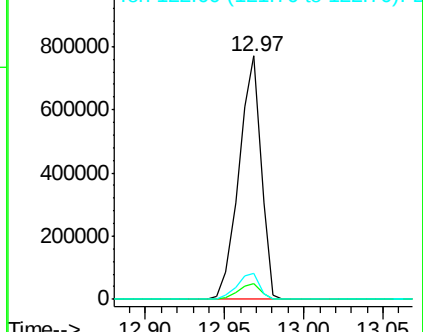
122 10.5 11.0 16.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. -0.01 min

Lab File: BF100920.D

Acq: 28 Nov 2017 4:35

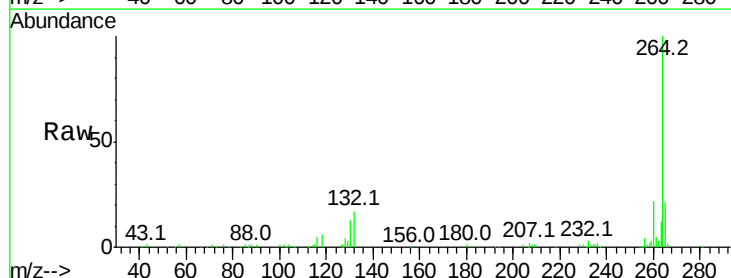
Tgt Ion:264 Resp: 120292

Ion Ratio Lower Upper

264 100

260 22.4 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

