

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111417\
 Data File : BF100539.D
 Acq On : 14 Nov 2017 13:43
 Operator : SJ/JU
 Sample : I6413-01RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 14 14:19:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 14 14:17:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	125256	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	488773	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	224042	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	393836	20.00	ng	0.00
75) Chrysene-d12	14.04	240	275201	20.00	ng	-0.01
86) Perylene-d12	15.52	264	273946	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	238537	30.53	ng	0.00
7) Phenol-d6	6.50	99	231785	24.06	ng	-0.01
23) Nitrobenzene-d5	7.44	82	337806	45.69	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	93463	40.94	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	634112	43.10	ng	0.00
78) Terphenyl-d14	12.99	244	495575	41.38	ng	0.00

Target Compounds

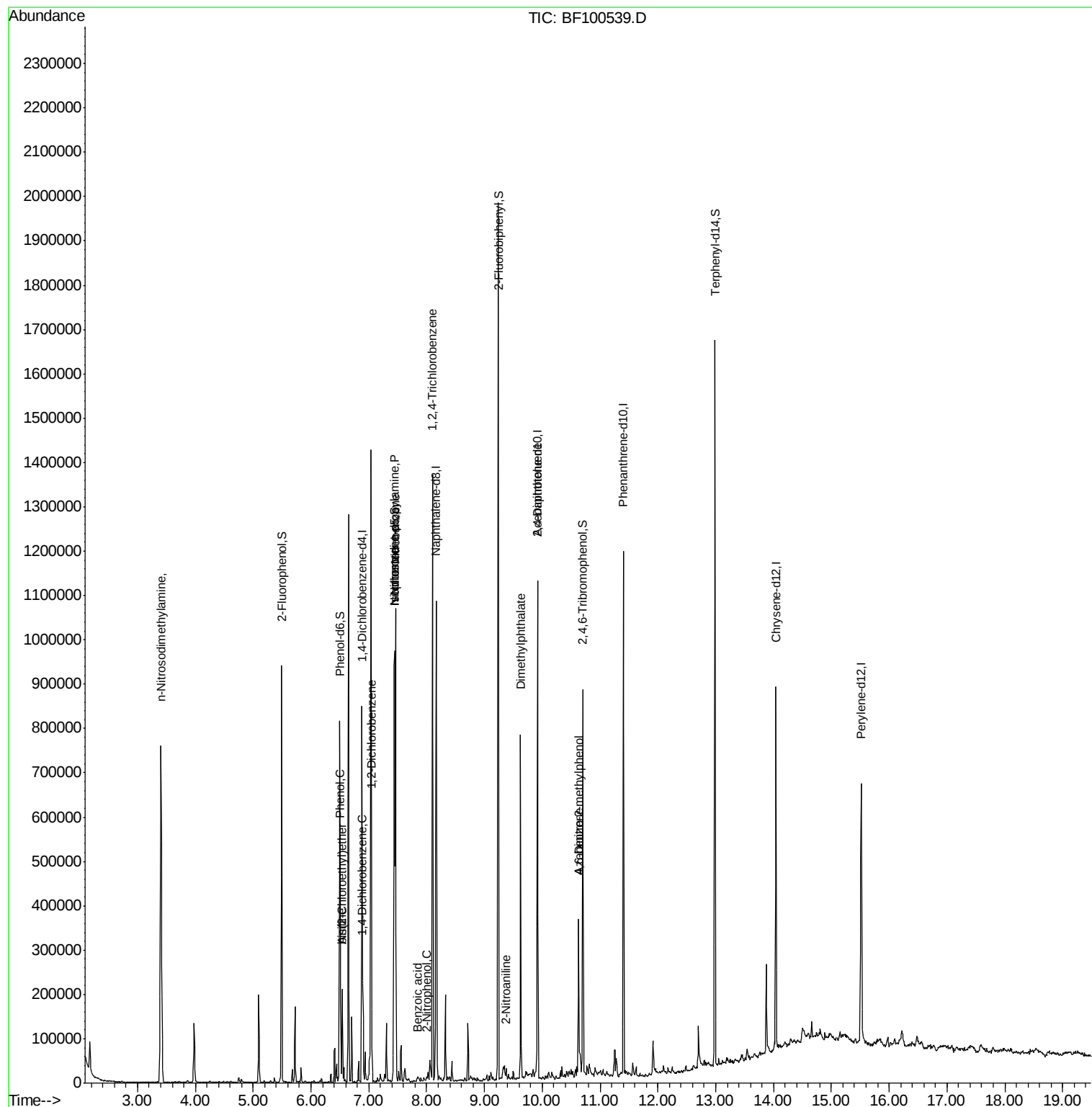
						Qvalue
4) n-Nitrosodimethylamine	3.41	42	32250	6.394	ng	# 1
6) Aniline	6.54	93	68821	5.056	ng	99
10) Phenol	6.51	94	75421	7.456	ng	98
11) bis(2-Chloroethyl)ether	6.54	93	68821	8.100	ng	# 23
13) 1,4-Dichlorobenzene	6.90	146	42827	4.440	ng	97
14) 1,2-Dichlorobenzene	7.05	146	22866	2.564	ng	99
19) n-Nitroso-di-n-propylamine	7.44	70	44765	6.699	ng	# 79
24) Nitrobenzene	7.46	77	282747	37.159	ng	98
25) Isophorone	7.44	82	337797	21.743	ng	# 64
26) 2-Nitrophenol	8.00	139	375	5.472	ng	# 34
30) 1,2,4-Trichlorobenzene	8.10	180	232659	32.351	ng	96
32) Benzoic acid	7.85	122	116	9.388	ng	# 78
47) 2-Nitroaniline	9.37	65	336	2.860	ng	# 2
49) Dimethylphthalate	9.63	163	292222	17.083	ng	99
56) 2,4-Dinitrotoluene	9.92	165	28667	6.711	ng	# 23
62) Azobenzene	10.63	77	52992	3.287	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.62	198	2285	9.514	ng	# 1

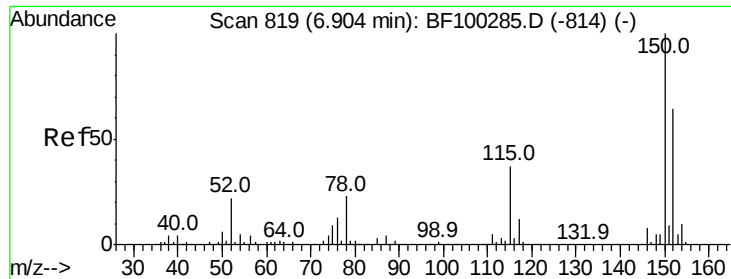
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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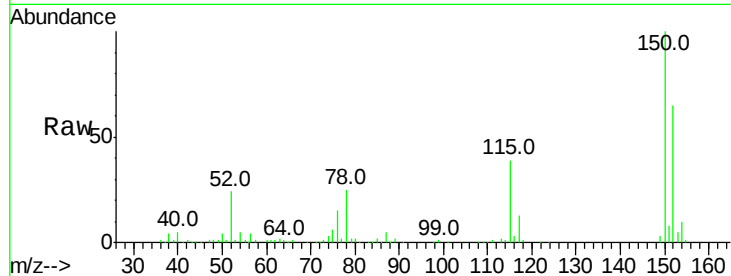


#1

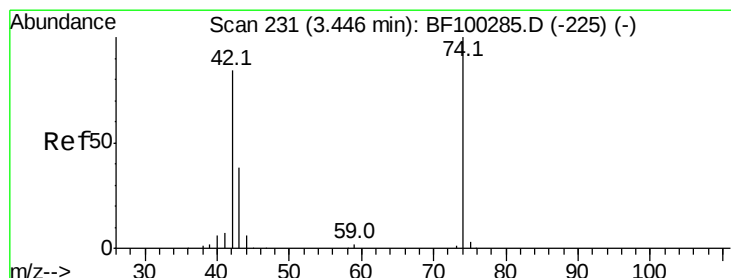
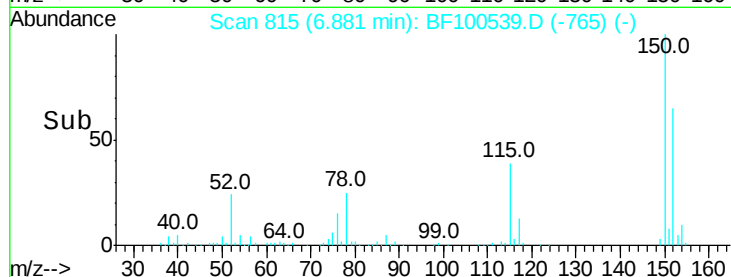
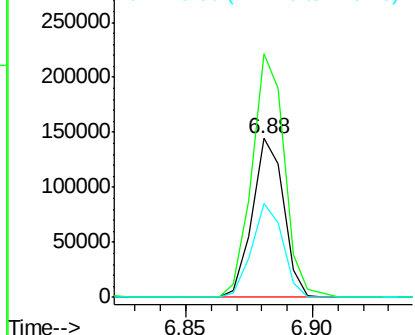
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF100539.D
Acq: 14 Nov 2017 13:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 125256
Ion Ratio Lower Upper
152 100
150 153.5 124.6 186.8
115 59.3 50.1 75.1



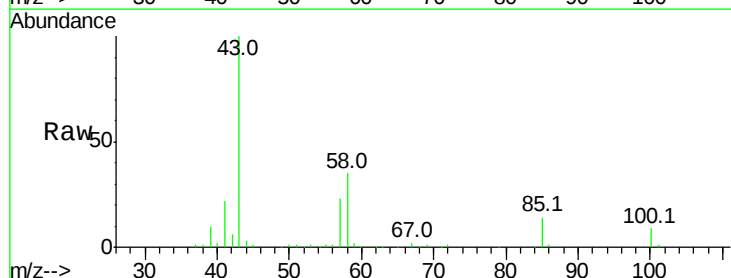
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



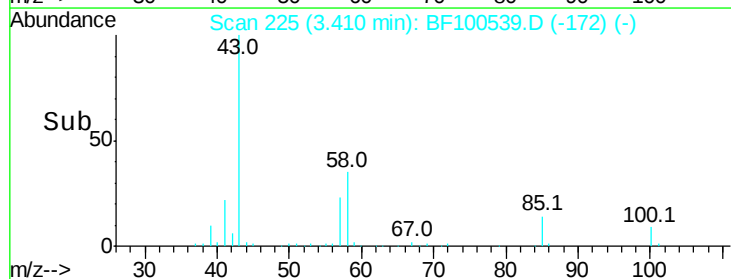
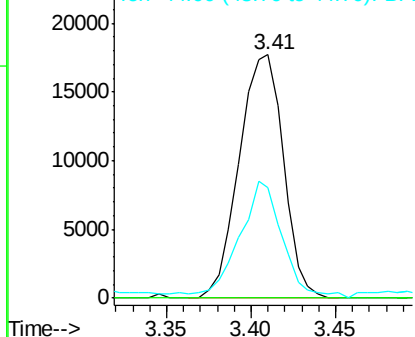
#4

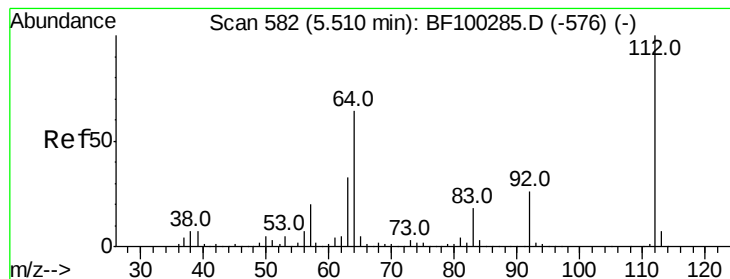
n-Nitrosodimethylamine
Concen: 6.394 ng
RT: 3.41 min Scan# 225
Delta R.T. 0.01 min
Lab File: BF100539.D
Acq: 14 Nov 2017 13:43

Tgt Ion: 42 Resp: 32250
Ion Ratio Lower Upper
42 100
74 0.0 104.9 157.3#
44 45.3 6.9 10.3#



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 30.527 ng

RT: 5.49 min Scan# 579

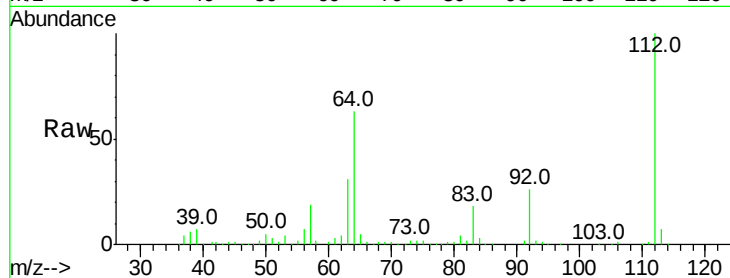
Delta R.T. -0.01 min

Lab File: BF100539.D

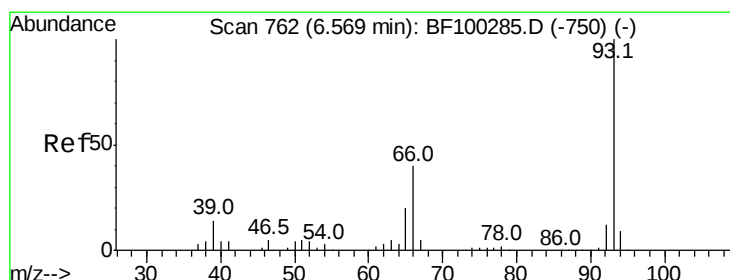
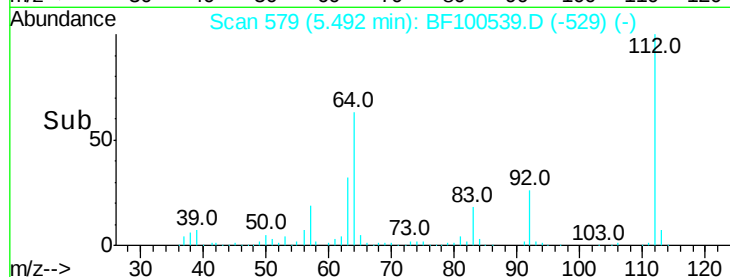
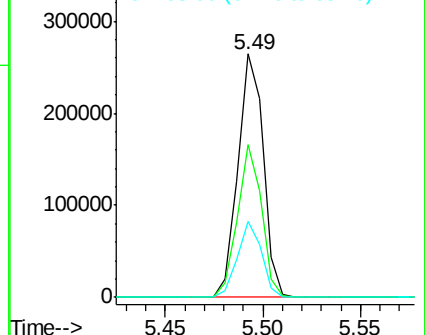
Acq: 14 Nov 2017 13:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	112	Resp:	238537
Ion	Ratio	Lower	Upper
112	100		
64	62.5	47.9	71.9
63	31.4	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E



#6

Aniline

Concen: 5.056 ng

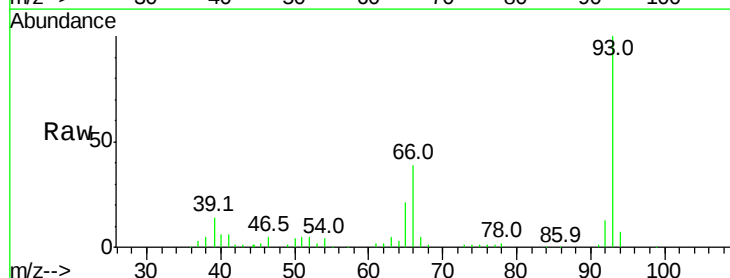
RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

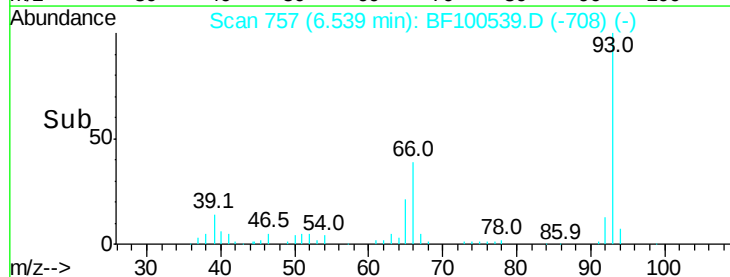
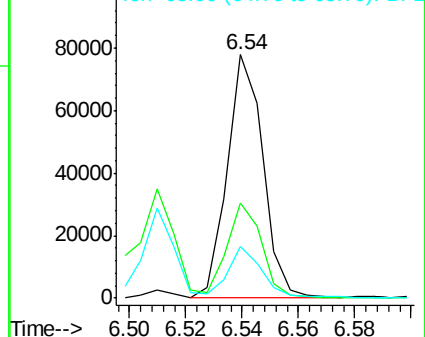
Lab File: BF100539.D

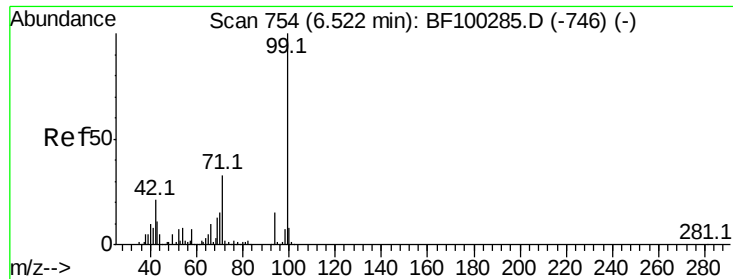
Acq: 14 Nov 2017 13:43

Tgt Ion:	93	Resp:	68821
Ion	Ratio	Lower	Upper
93	100		
66	39.2	32.2	48.2
65	20.9	16.4	24.6



Abundance Ion 93.00 (92.70 to 93.70): BF1





#7

Phenol-d6

Concen: 24.055 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100539.D

Acq: 14 Nov 2017 13:43

Instrument :

BNA_F

ClientSampleId :

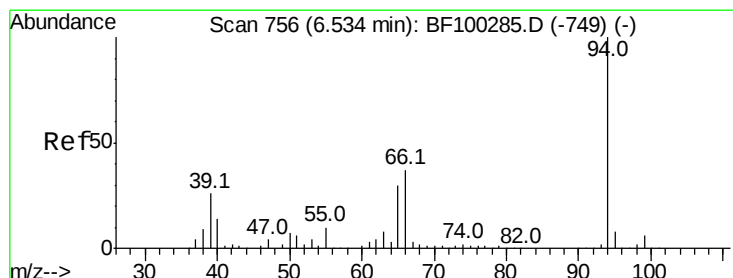
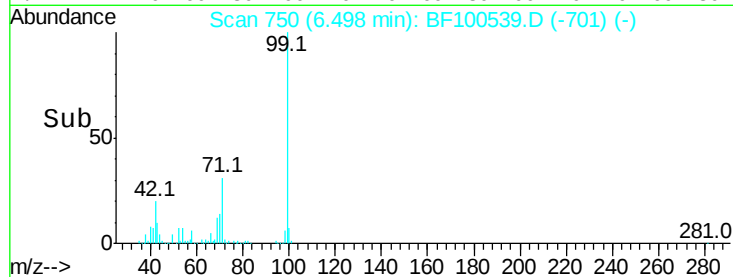
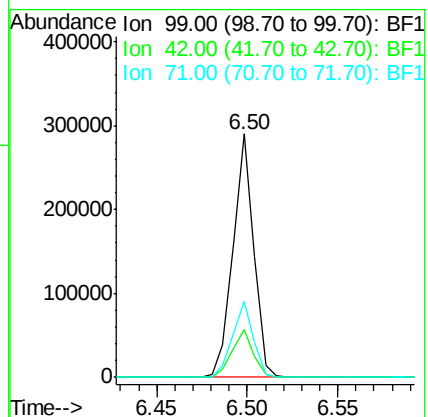
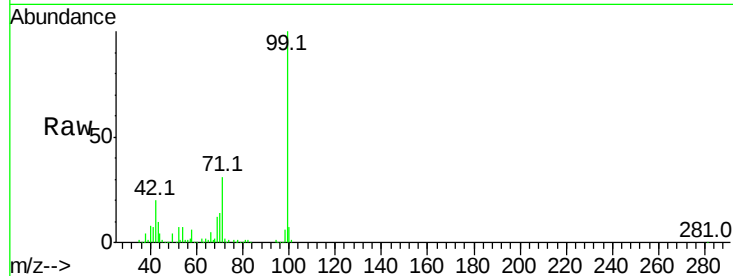
Tot Ion: 99 Resp: 231785

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

71 31.2 25.4 38.0



#10

Phenol

Concen: 7.456 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF100539.D

Acq: 14 Nov 2017 13:43

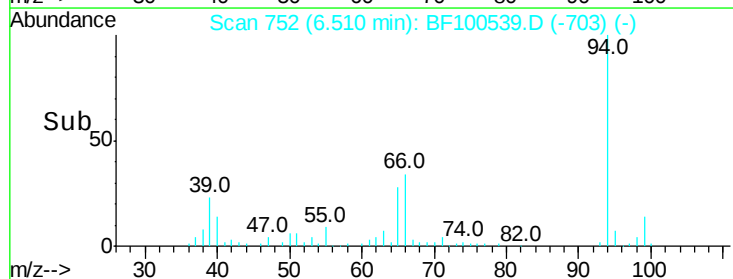
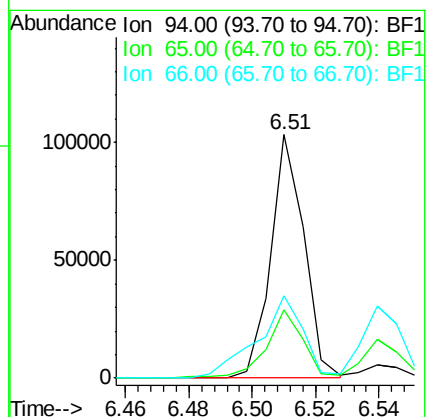
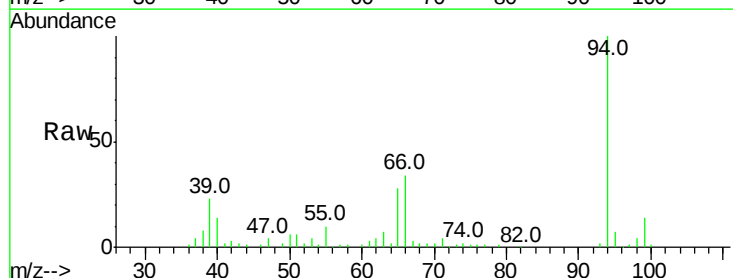
Tgt Ion: 94 Resp: 75421

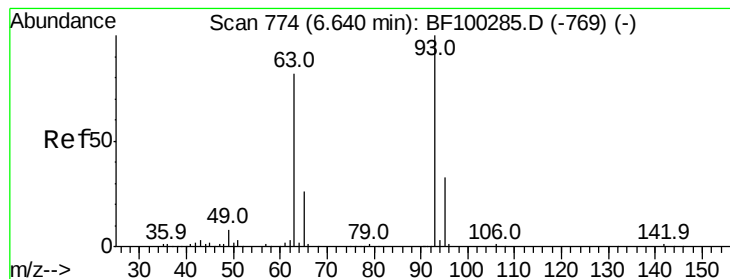
Ion Ratio Lower Upper

94 100

65 27.9 7.9 47.9

66 33.8 16.2 56.2

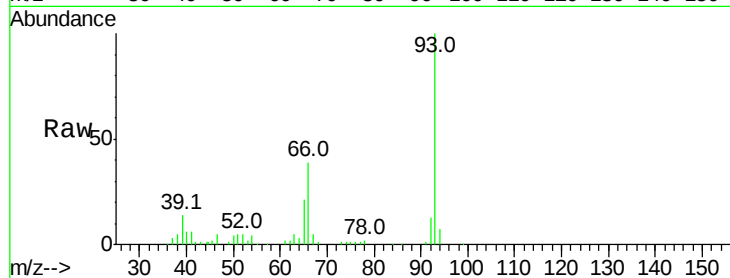




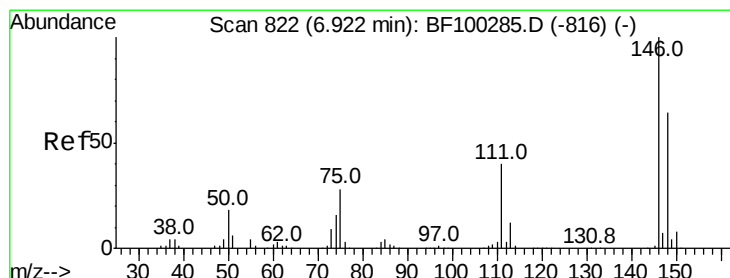
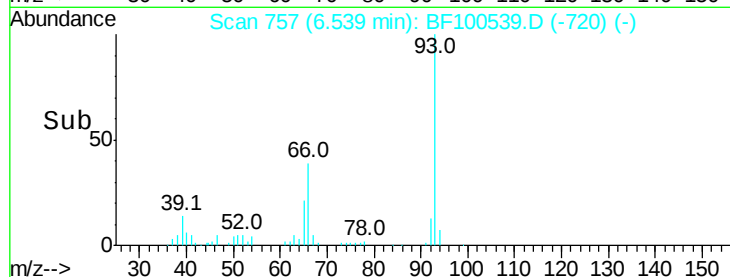
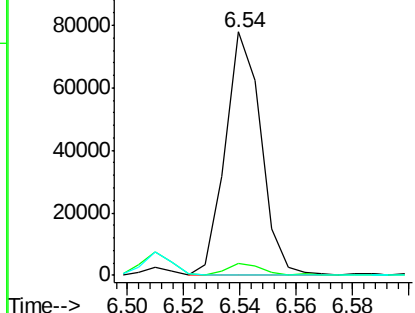
#11
bis(2-Chloroethyl)ether
Concen: 8.100 ng
RT: 6.54 min Scan# 757
Delta R.T. -0.08 min
Lab File: BF100539.D
Acq: 14 Nov 2017 13:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 93 Resp: 68821
Ion Ratio Lower Upper
93 100
63 4.8 58.6 98.6#
95 0.0 11.8 51.8#

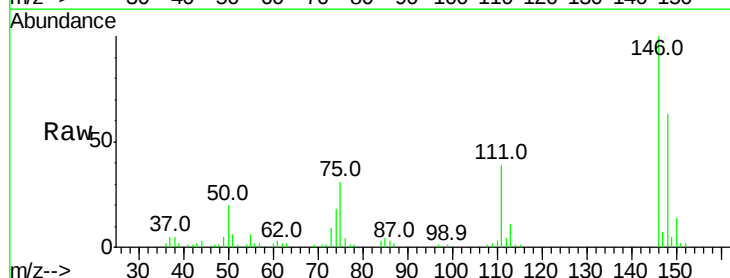


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

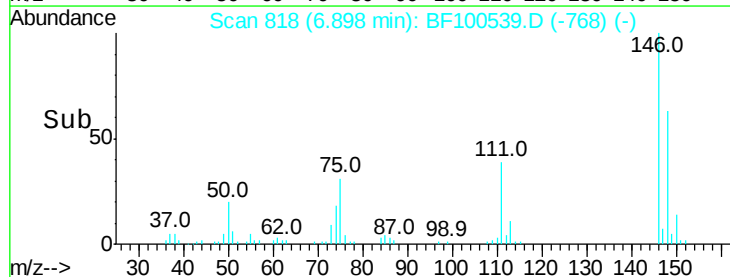
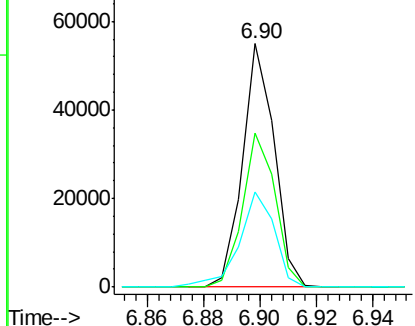


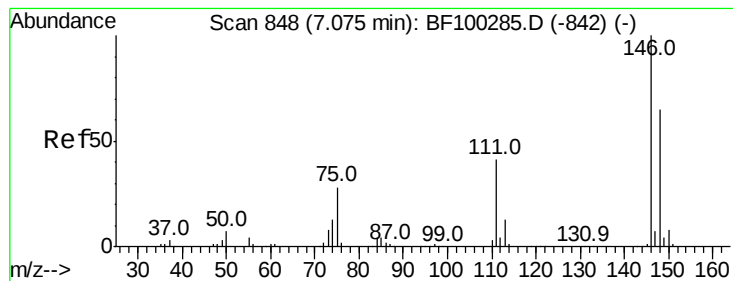
#13
1,4-Dichlorobenzene
Concen: 4.440 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF100539.D
Acq: 14 Nov 2017 13:43

Tgt Ion: 146 Resp: 42827
Ion Ratio Lower Upper
146 100
148 63.2 50.8 76.2
111 39.0 34.2 51.2



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

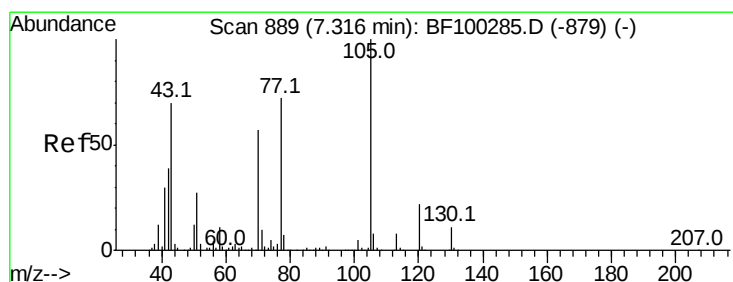
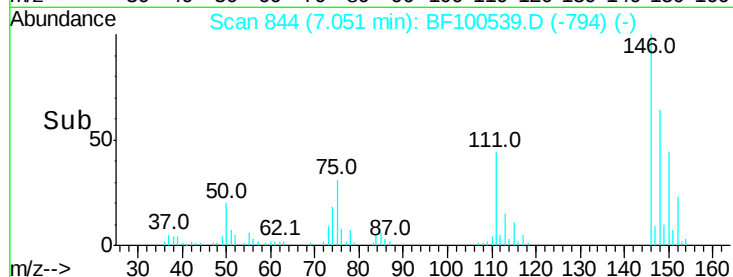
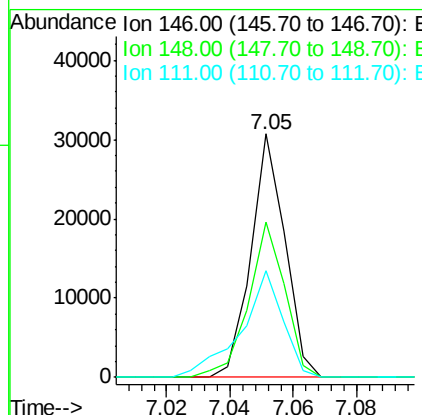
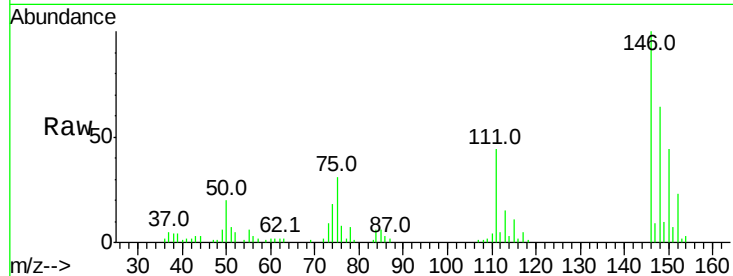




#14
 1,2-Dichlorobenzene
 Concen: 2.564 ng
 RT: 7.05 min Scan# 844
 Delta R.T. -0.01 min
 Lab File: BF100539.D
 Acq: 14 Nov 2017 13:43

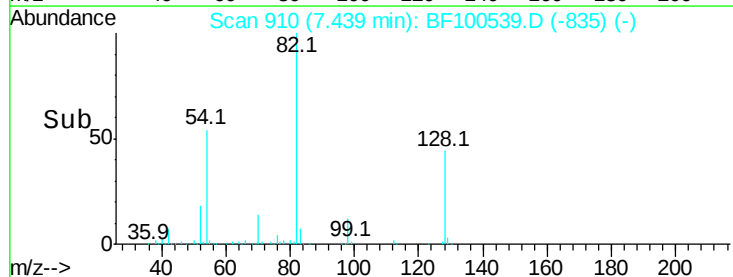
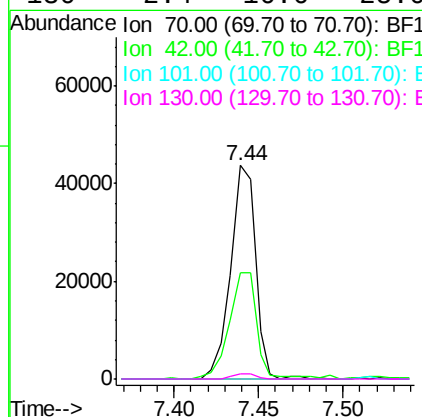
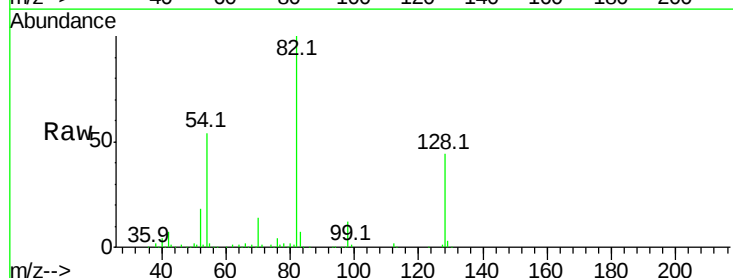
Instrument :
 BNA_F
 ClientSampleId :

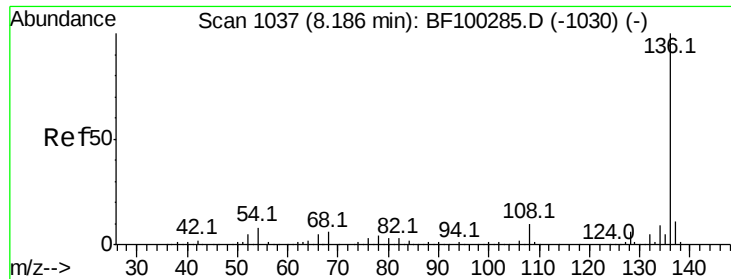
Tot Ion:146 Resp: 22866
 Ion Ratio Lower Upper
 146 100
 148 63.9 50.6 75.8
 111 43.9 36.0 54.0



#19
 n-Nitroso-di-n-propylamine
 Concen: 6.699 ng
 RT: 7.44 min Scan# 910
 Delta R.T. 0.14 min
 Lab File: BF100539.D
 Acq: 14 Nov 2017 13:43

Tgt Ion: 70 Resp: 44765
 Ion Ratio Lower Upper
 70 100
 42 49.5 47.5 71.3
 101 0.0 7.4 11.2#
 130 2.4 16.6 25.0#

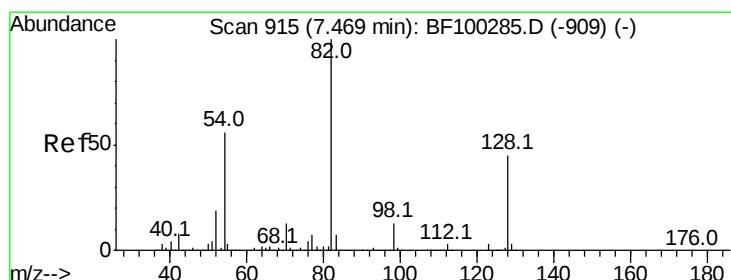
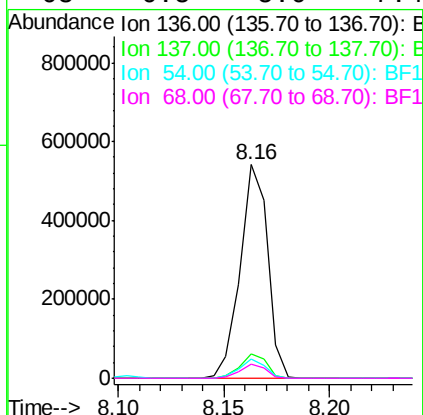
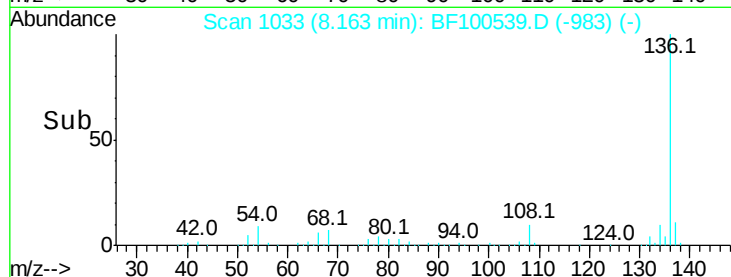
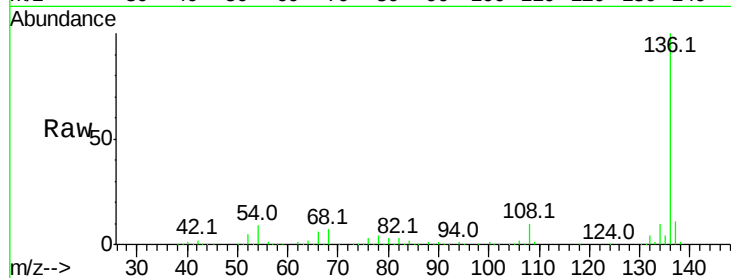




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF100539.D
Acq: 14 Nov 2017 13:43

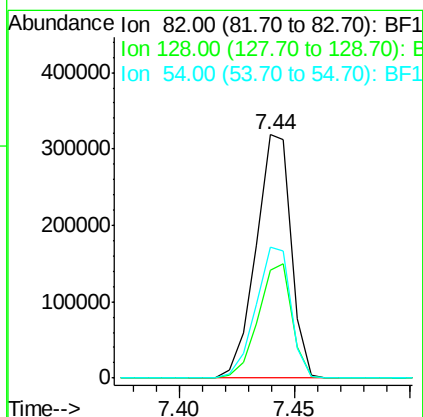
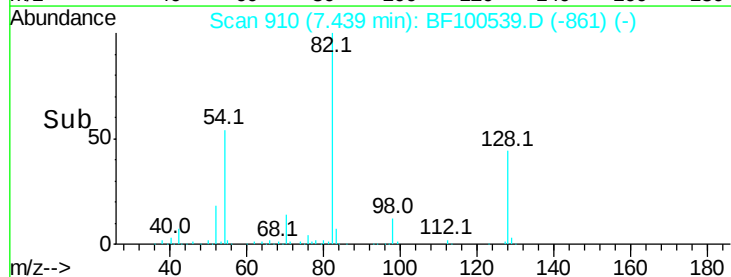
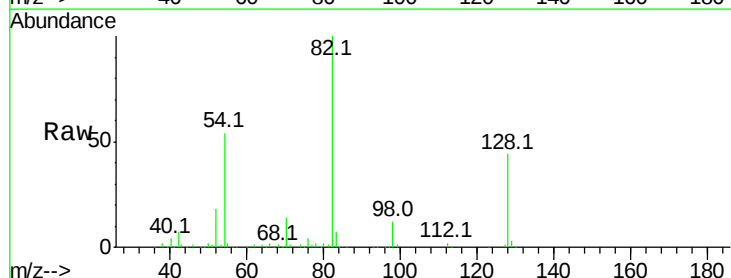
Instrument :
BNA_F
ClientSampleId :

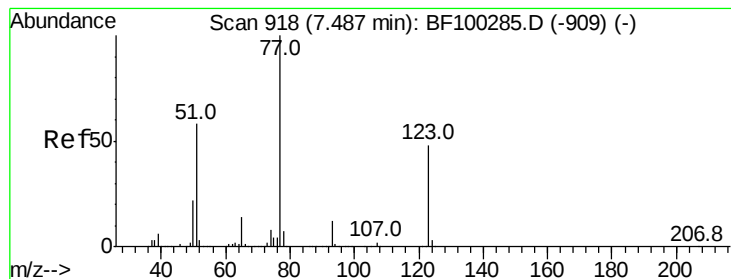
Tot Ion:	136	Resp:	488773
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.9	6.6	9.8
68	6.5	5.0	7.4



#23
Nitrobenzene-d5
Concen: 45.693 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF100539.D
Acq: 14 Nov 2017 13:43

Tgt Ion:	82	Resp:	337806
Ion	Ratio	Lower	Upper
82	100		
128	44.1	36.1	54.1
54	53.6	41.4	62.2





#24

Nitrobenzene

Concen: 37.159 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.01 min

Lab File: BF100539.D

Acq: 14 Nov 2017 13:43

Instrument :

BNA_F

ClientSampled :

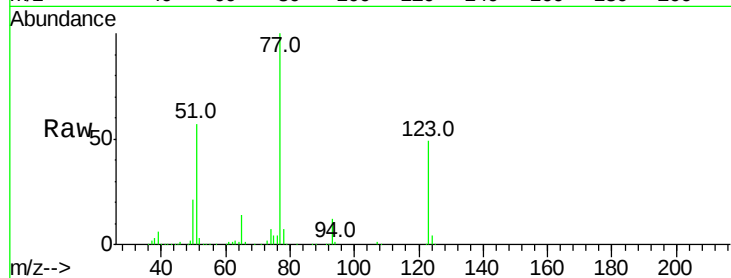
Tot Ion: 77 Resp: 282747

Ion Ratio Lower Upper

77 100

123 49.1 37.9 56.9

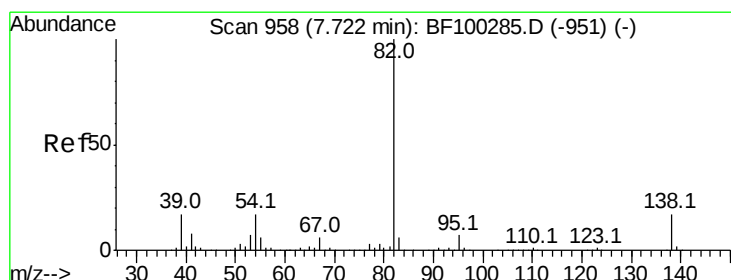
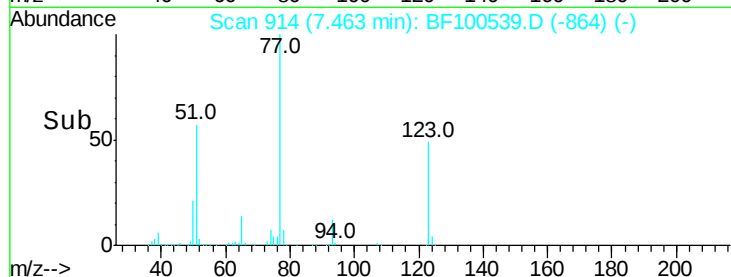
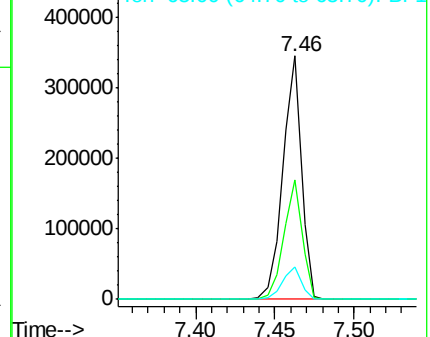
65 13.5 11.0 16.4



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#25

Isophorone

Concen: 21.743 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF100539.D

Acq: 14 Nov 2017 13:43

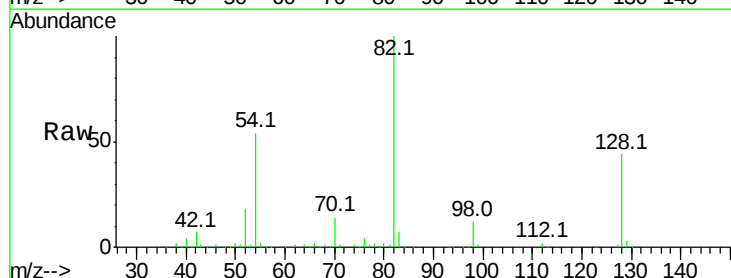
Tgt Ion: 82 Resp: 337797

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

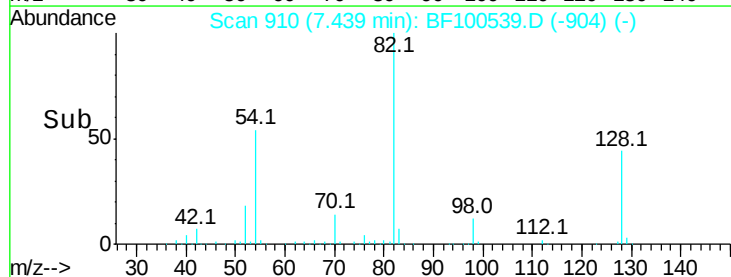
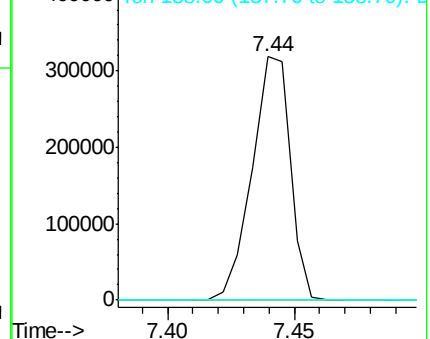
138 0.0 14.9 22.3#

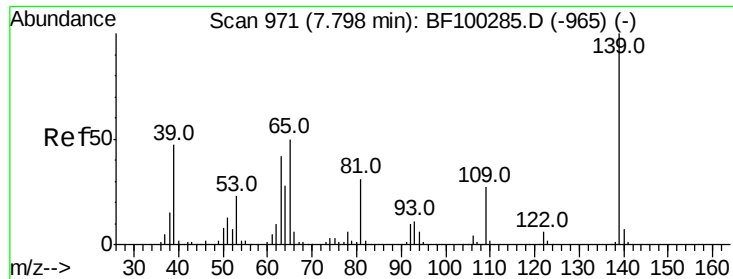


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

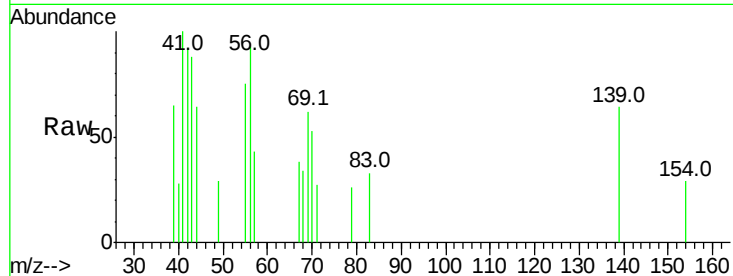




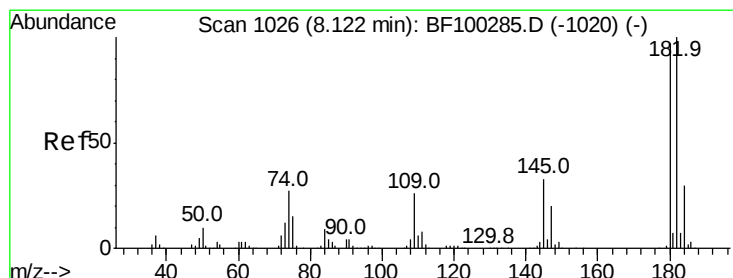
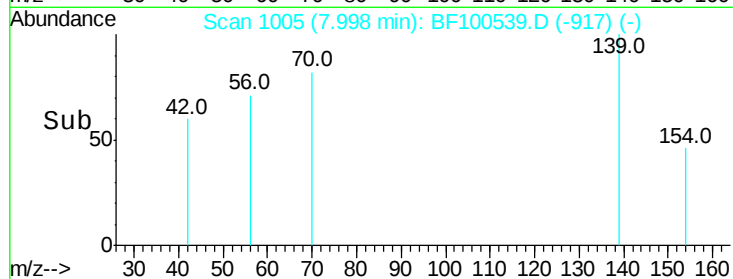
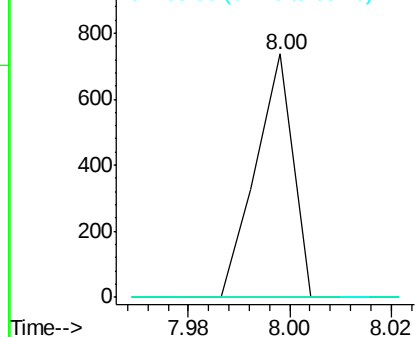
#26
2-Nitrophenol
Concen: 5.472 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.22 min
Lab File: BF100539.D
Acq: 14 Nov 2017 13:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 375
Ion Ratio Lower Upper
139 100
109 0.0 22.7 34.1#
65 0.0 40.5 60.7#

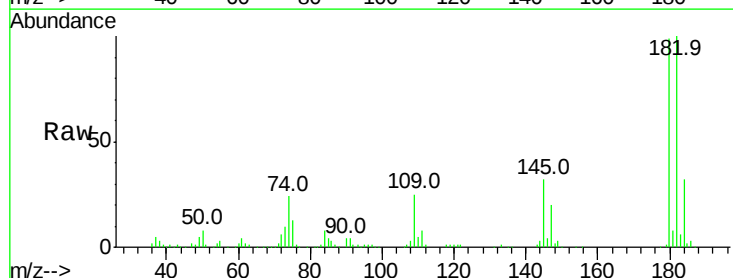


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

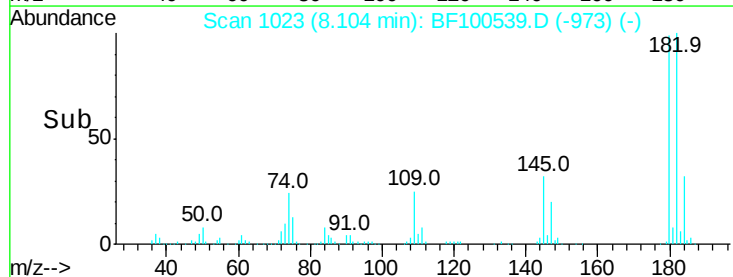
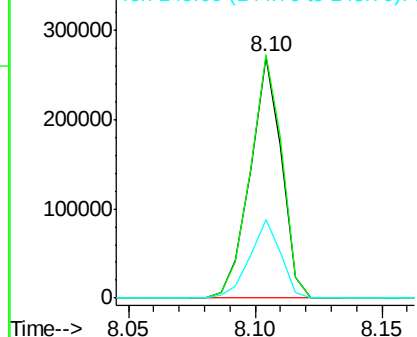


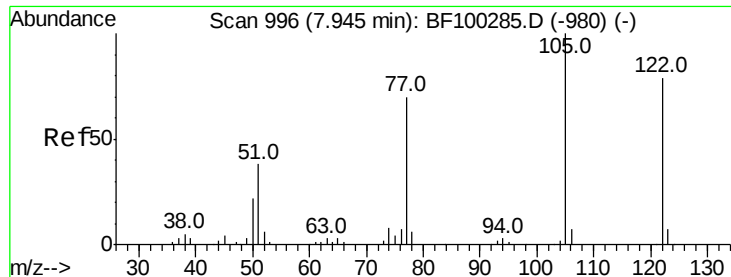
#30
1,2,4-Trichlorobenzene
Concen: 32.351 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF100539.D
Acq: 14 Nov 2017 13:43

Tgt Ion:180 Resp: 232659
Ion Ratio Lower Upper
180 100
182 100.9 76.8 115.2
145 32.3 26.5 39.7



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#32

Benzoic acid

Concen: 9.388 ng

RT: 7.85 min Scan# 980

Delta R.T. -0.08 min

Lab File: BF100539.D

Acq: 14 Nov 2017 13:43

Instrument :

BNA_F

ClientSampled :

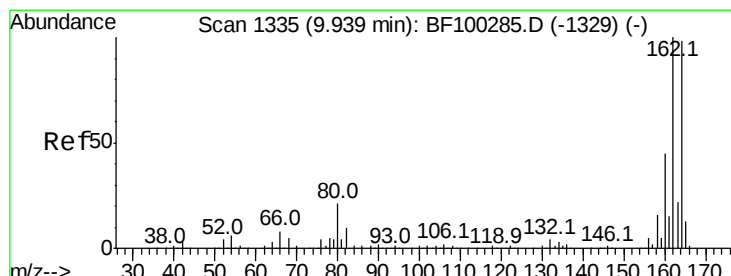
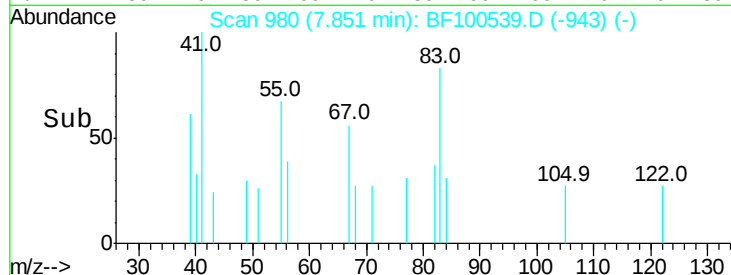
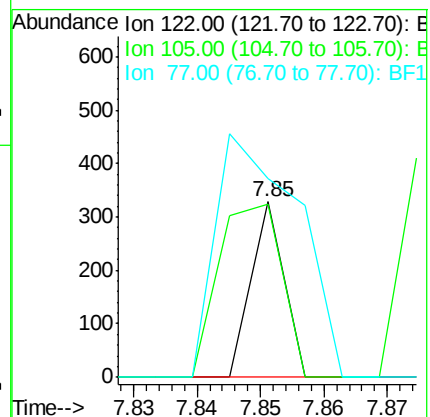
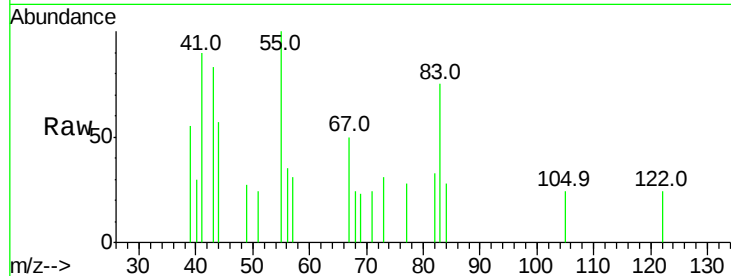
Tot Ion:122 Resp: 116

Ion Ratio Lower Upper

122 100

105 99.1 101.1 141.1#

77 113.7 70.7 110.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.00 min

Lab File: BF100539.D

Acq: 14 Nov 2017 13:43

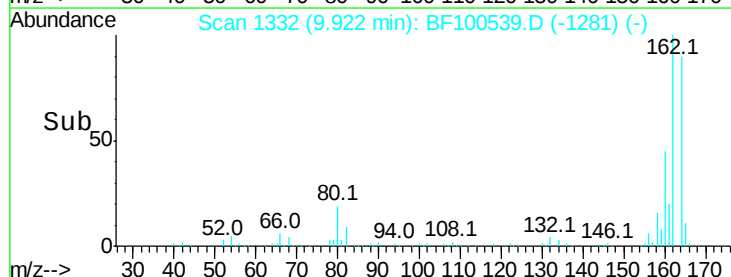
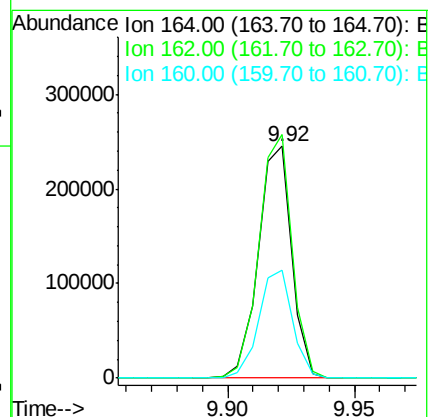
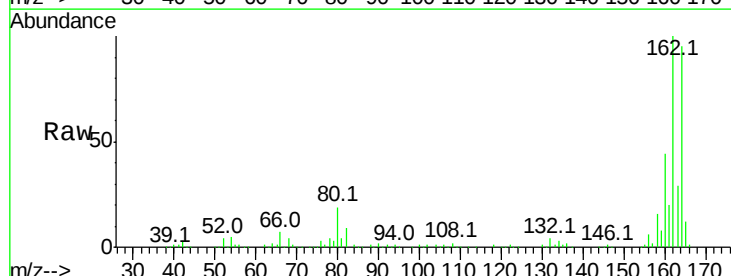
Tgt Ion:164 Resp: 224042

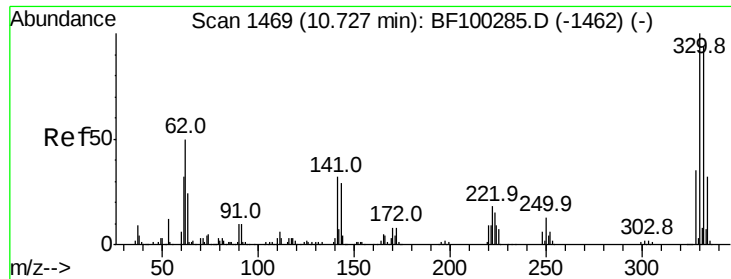
Ion Ratio Lower Upper

164 100

162 105.1 86.1 129.1

160 46.7 38.3 57.5

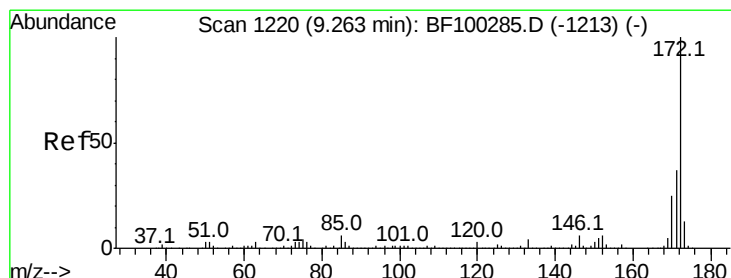
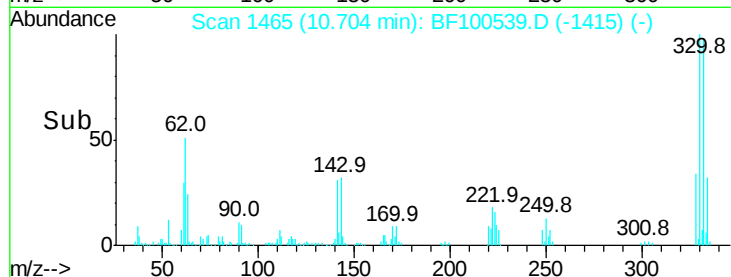
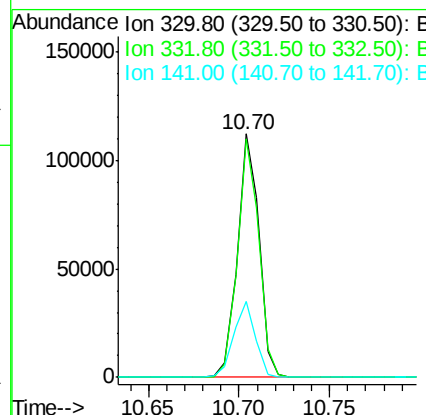
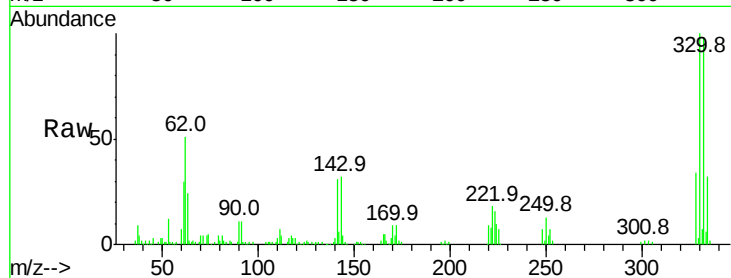




#41
 2,4,6-Tribromophenol
 Concen: 40.939 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100539.D
 Acq: 14 Nov 2017 13:43

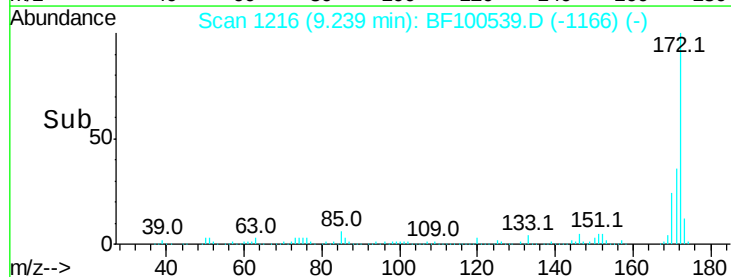
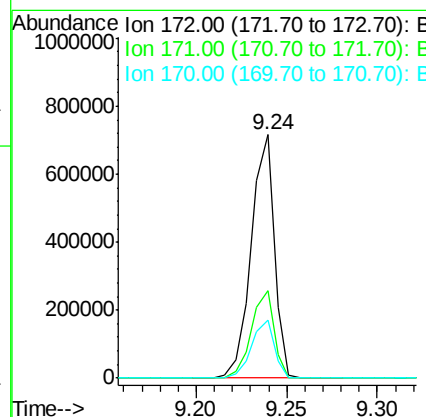
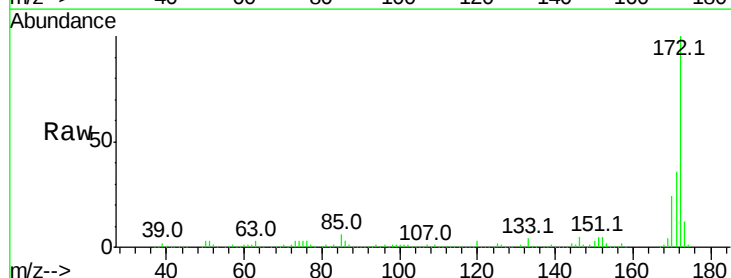
Instrument :
 BNA_F
 ClientSampleId :

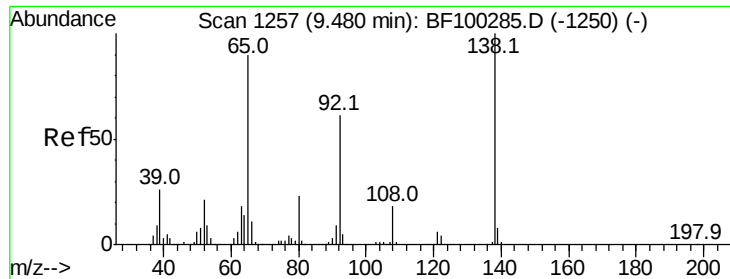
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	31.0	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 43.098 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF100539.D
 Acq: 14 Nov 2017 13:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	23.7	19.6	29.4

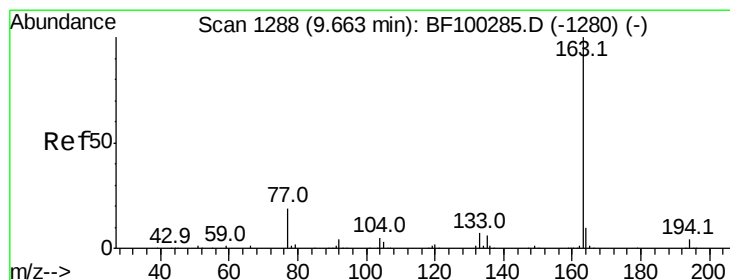
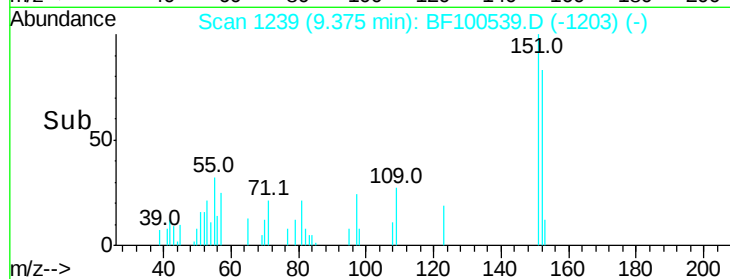
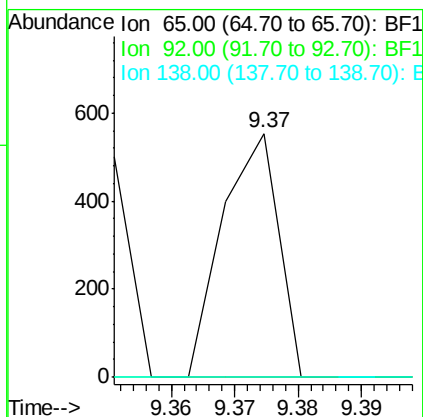
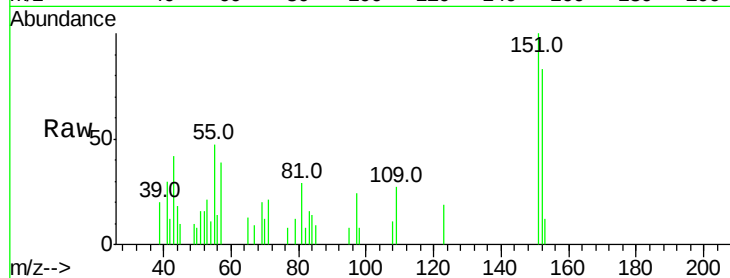




#47
2-Nitroaniline
Concen: 2.860 ng
RT: 9.37 min Scan# 1239
Delta R.T. -0.09 min
Lab File: BF100539.D
Acq: 14 Nov 2017 13:43

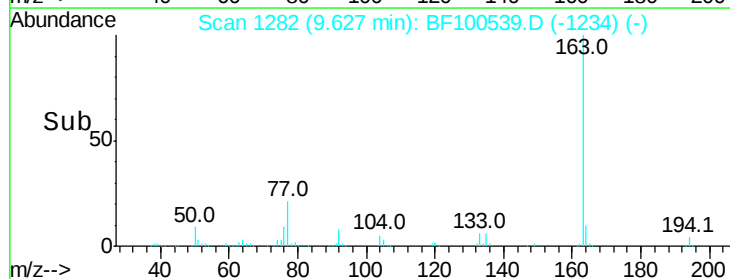
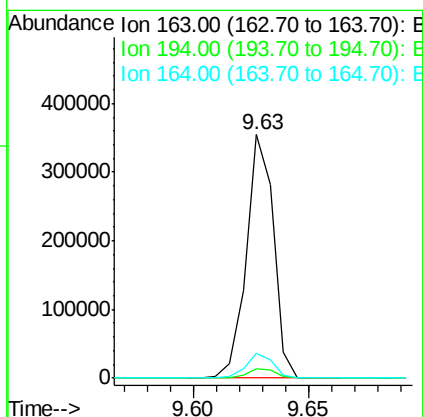
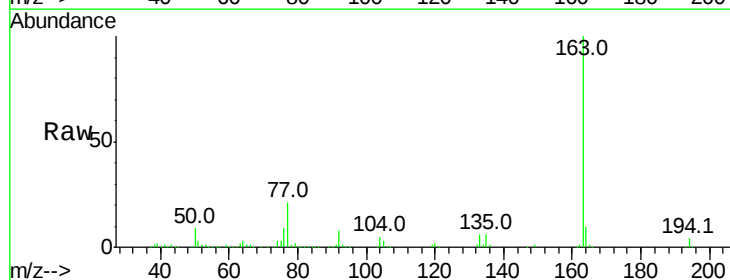
Instrument :
BNA_F
ClientSampleId :

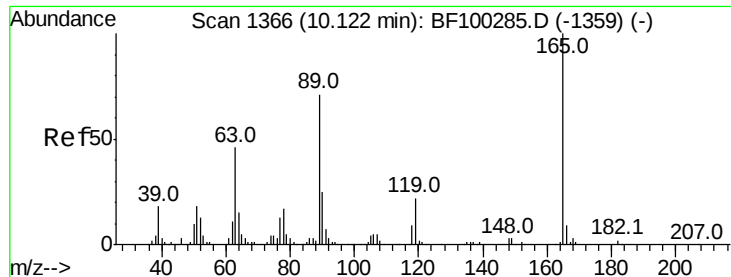
Tot Ion: 65 Resp: 336
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 91.2 136.8#



#49
Dimethylphthalate
Concen: 17.083 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF100539.D
Acq: 14 Nov 2017 13:43

Tgt Ion:163 Resp: 292222
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.0 8.2 12.2

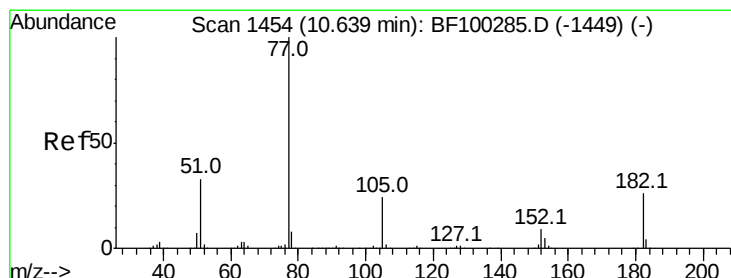
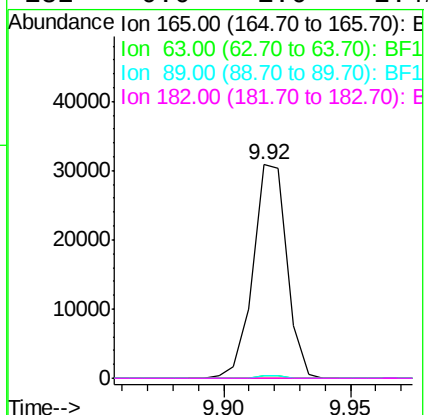
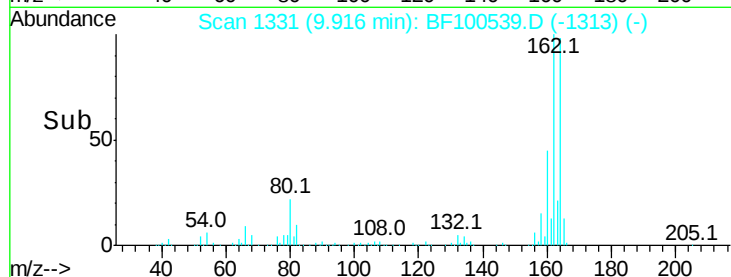
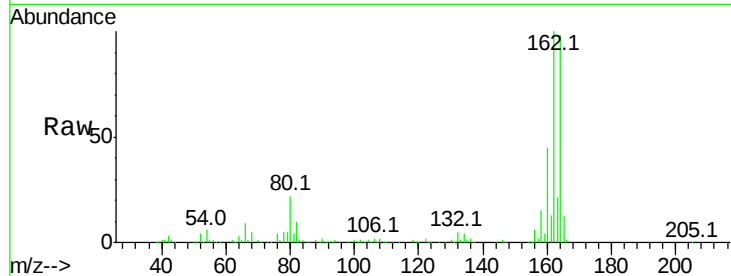




#56
2,4-Dinitrotoluene
Concen: 6.711 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF100539.D
Acq: 14 Nov 2017 13:43

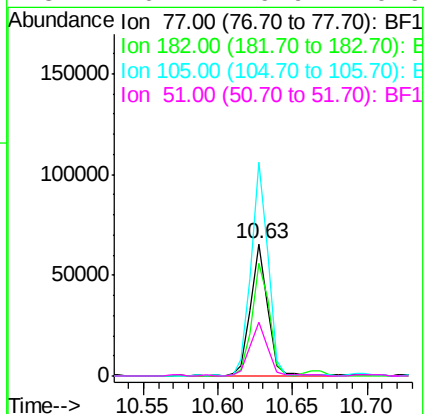
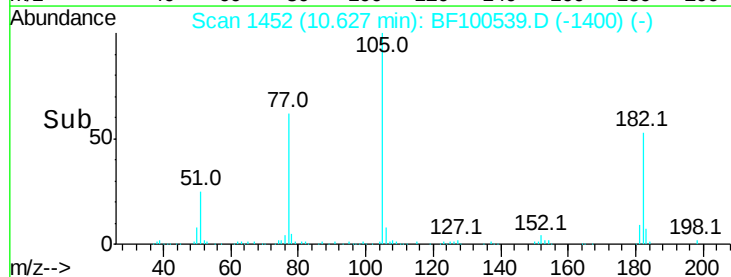
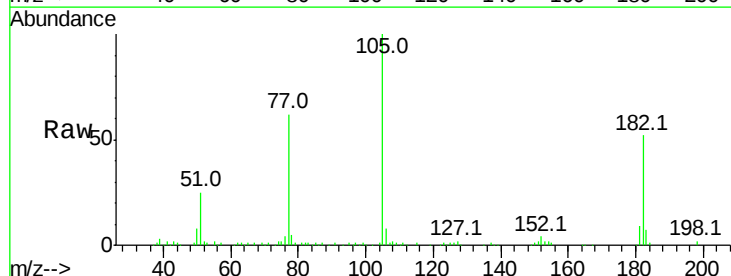
Instrument :
BNA_F
ClientSampleId :

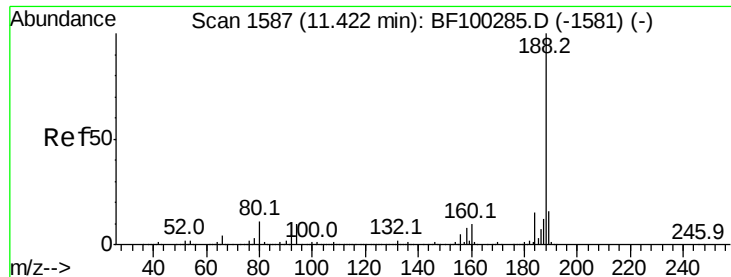
Tot Ion:	165	Resp:	28667
Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.1	57.8	86.6#
182	0.0	1.6	2.4#



#62
Azobenzene
Concen: 3.287 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.01 min
Lab File: BF100539.D
Acq: 14 Nov 2017 13:43

Tgt Ion:	77	Resp:	52992
Ion	Ratio	Lower	Upper
77	100		
182	84.9	1.7	41.7#
105	161.8	3.0	43.0#
51	40.7	9.9	49.9





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF100539.D

Acq: 14 Nov 2017 13:43

Instrument :

BNA_F

ClientSampleId :

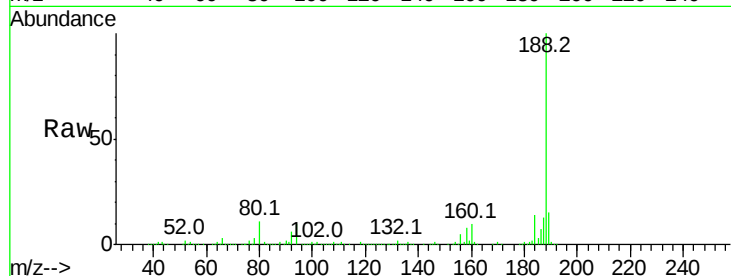
Tot Ion:188 Resp: 393836

Ion Ratio Lower Upper

188 100

94 9.9 8.5 12.7

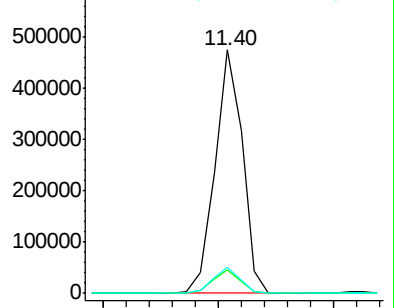
80 10.9 9.2 13.8



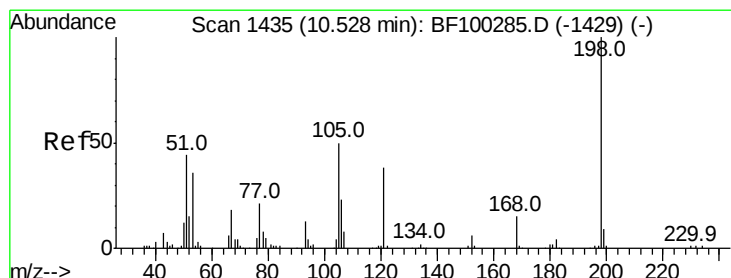
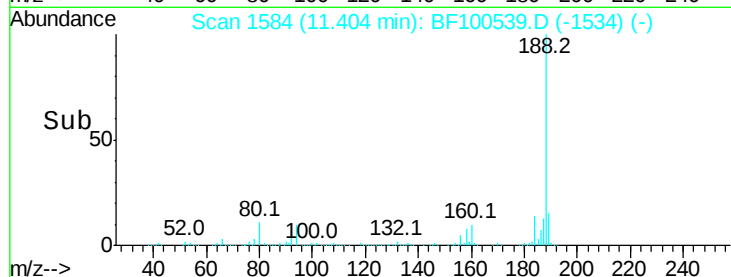
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time--> 11.35 11.40 11.45



#64

4,6-Dinitro-2-methylphenol

Concen: 9.514 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.11 min

Lab File: BF100539.D

Acq: 14 Nov 2017 13:43

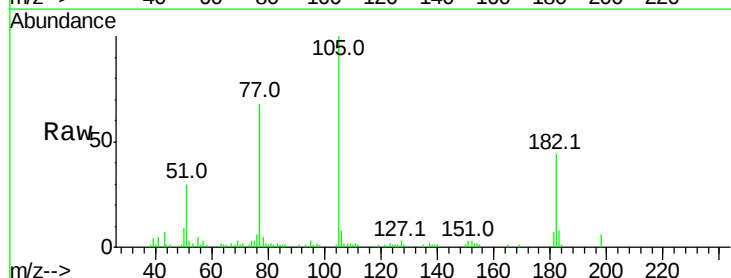
Tgt Ion:198 Resp: 2285

Ion Ratio Lower Upper

198 100

51 489.8 37.7 77.7#

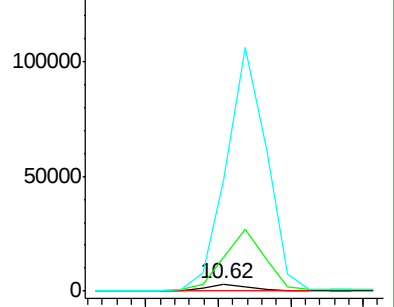
105 1612.8 36.3 76.3#



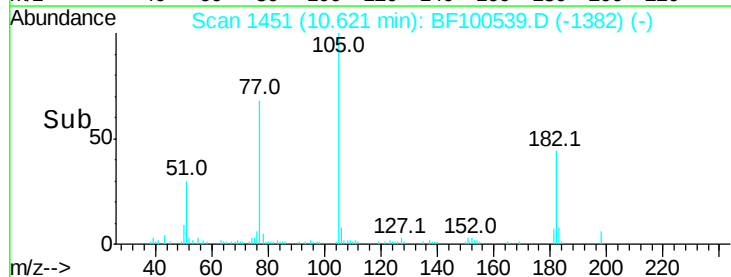
Abundance Ion 198.00 (197.70 to 198.70): E

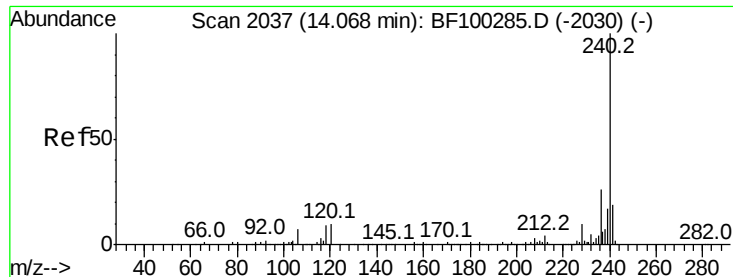
Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



Time--> 10.60 10.62 10.64





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF100539.D

Acq: 14 Nov 2017 13:43

Instrument :

BNA_F

ClientSampleId :

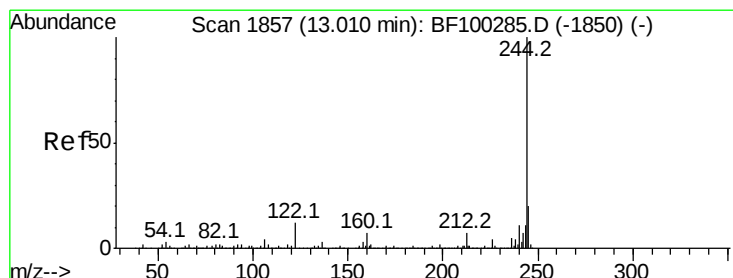
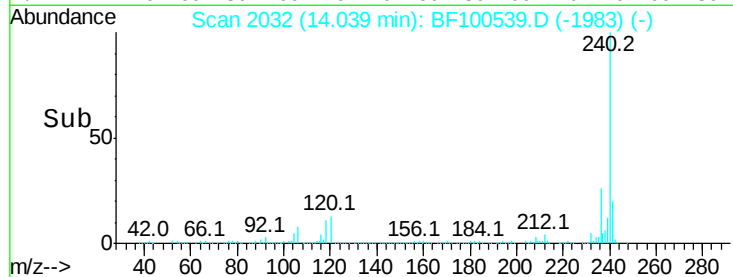
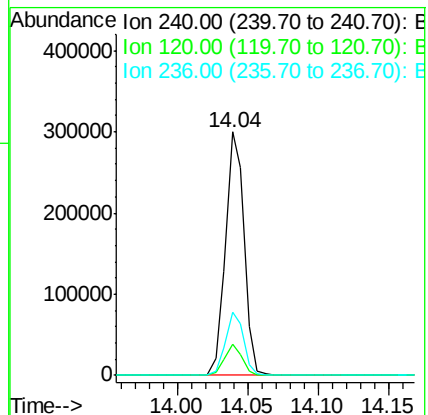
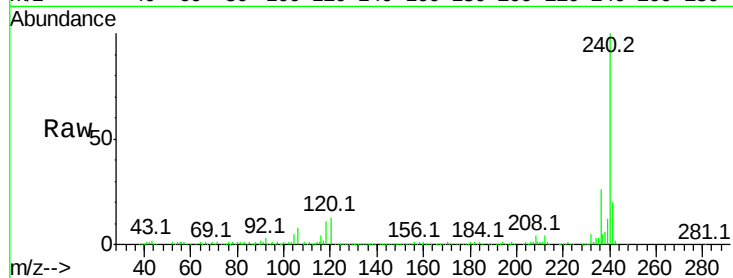
Tot Ion:240 Resp: 275201

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

236 25.8 20.7 31.1



#78

Terphenyl-d14

Concen: 41.377 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF100539.D

Acq: 14 Nov 2017 13:43

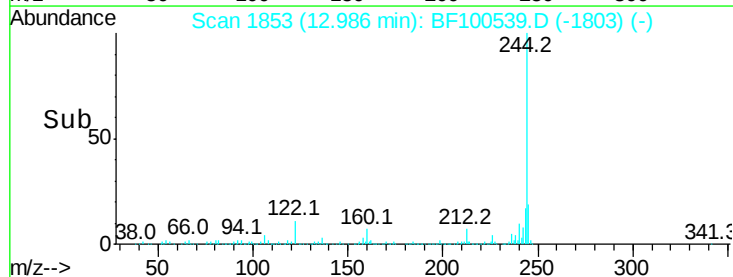
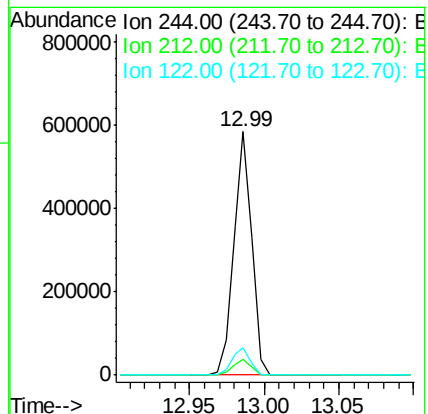
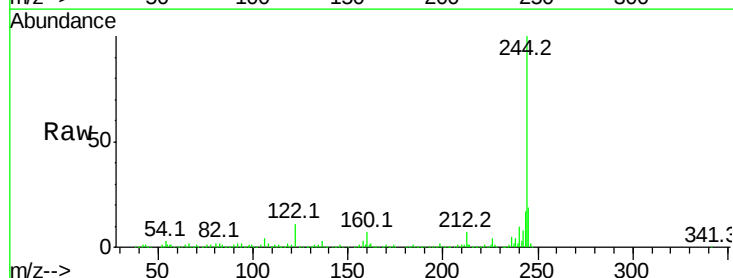
Tgt Ion:244 Resp: 495575

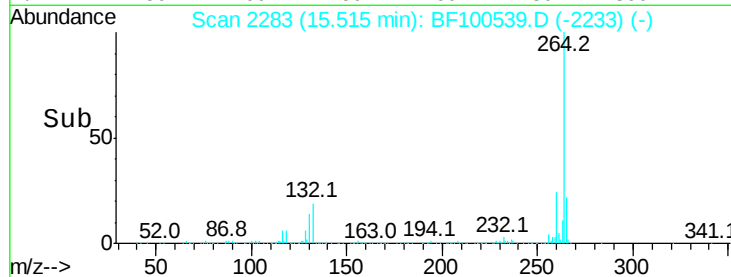
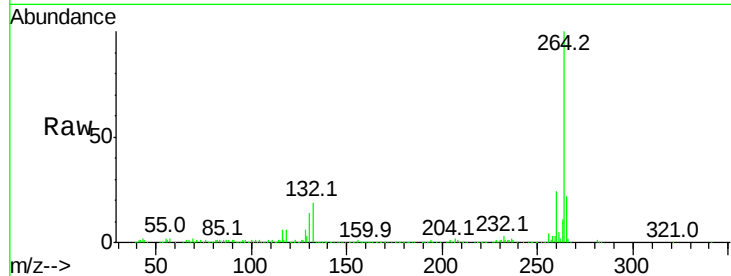
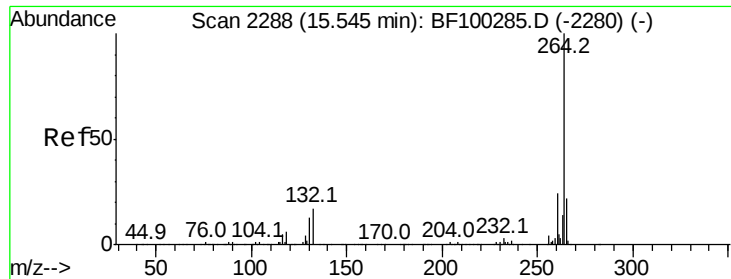
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 11.4 11.0 16.4





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2283
 Delta R.T. -0.01 min
 Lab File: BF100539.D
 Acq: 14 Nov 2017 13:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.9	17.5	26.3

