

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091418\
 Data File : BF109001.D
 Acq On : 14 Sep 2018 18:09
 Operator : JU/SJ
 Sample : J4906-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 14 18:39:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	133045	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	399619	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	249187	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	510711	20.00	ng	0.00
75) Chrysene-d12	13.85	240	416012	20.00	ng	-0.01
86) Perylene-d12	15.25	264	388255	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	528812	66.01	ng	0.00
7) Phenol-d6	6.35	99	724597	70.15	ng	0.00
23) Nitrobenzene-d5	7.28	82	492686	69.15	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	190508	70.45	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	767542	48.26	ng	0.00
78) Terphenyl-d14	12.81	244	842565	48.01	ng	0.00

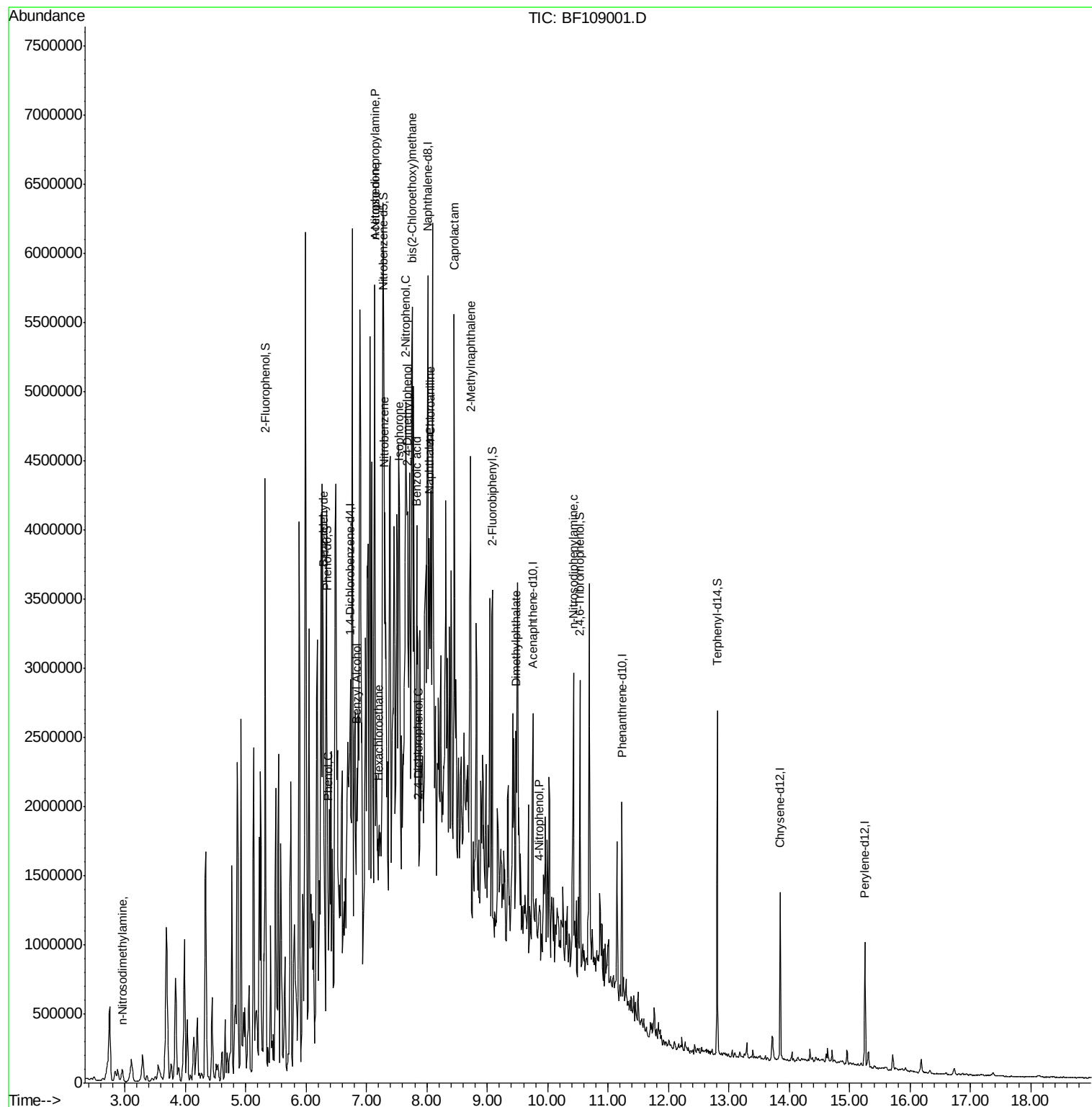
Target Compounds				Qvalue		
4) n-Nitrosodimethylamine	2.96	42	12348	3.234	ng	# 1
9) Benzaldehyde	6.29	77	43217	6.551	ng	# 1
10) Phenol	6.37	94	32321	2.781	ng	# 92
15) Benzyl Alcohol	6.84	79	23718	3.025	ng	# 62
18) Hexachloroethane	7.21	117	29723	7.957	ng	# 1
19) n-Nitroso-di-n-propylamine	7.14	70	28090	4.114	ng	# 48
22) Acetophenone	7.13	105	295873	32.602	ng	# 47
24) Nitrobenzene	7.31	77	70966	9.661	ng	# 36
25) Isophorone	7.55	82	119574	9.763	ng	# 1
26) 2-Nitrophenol	7.65	139	16433	4.791	ng	# 1
27) 2,4-Dimethylphenol	7.67	122	19913	3.701	ng	# 1
28) bis(2-Chloroethoxy)methane	7.77	93	29350	3.561	ng	# 1
29) 2,4-Dichlorophenol	7.87	162	15255	2.661	ng	# 14
31) Naphthalene	8.03	128	328961	17.736	ng	# 91
32) Benzoic acid	7.82	122	19900	5.660	ng	# 21
33) 4-Chloroaniline	8.07	127	23365	2.833	ng	# 1
35) Caprolactam	8.45	113	89890	48.087	ng	# 53
37) 2-Methylnaphthalene	8.72	142	889433	73.564	ng	# 97
49) Dimethylnaphthalate	9.47	163	96711	5.430	ng	# 81
55) 4-Nitrophenol	9.86	139	9675	2.823	ng	# 15
65) n-Nitrosodiphenylamine	10.42	169	40443	2.421	ng	# 43

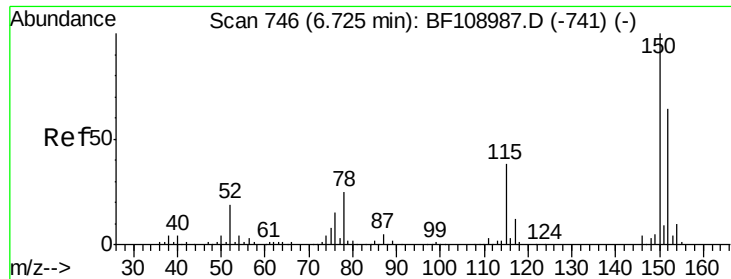
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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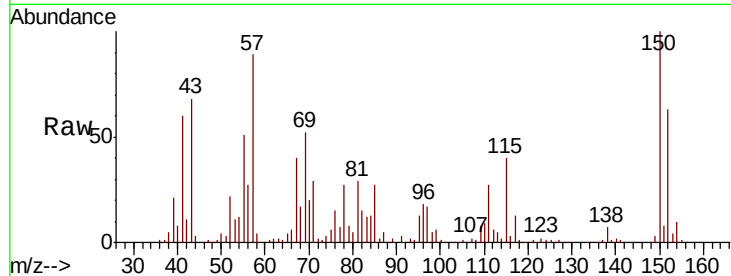


#1

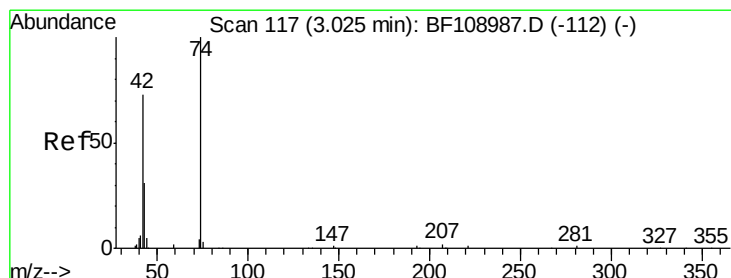
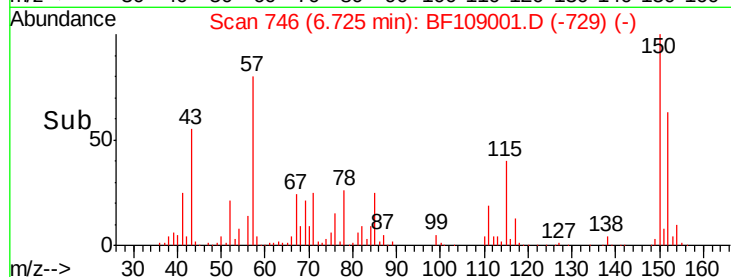
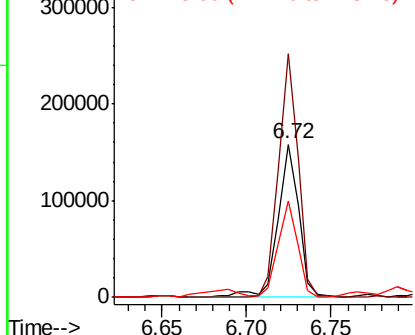
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 746
Delta R.T. -0.00 min
Lab File: BF109001.D
Acq: 14 Sep 2018 18:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 133045
Ion Ratio Lower Upper
152 100
150 158.8 124.6 186.8
115 63.3 50.1 75.1



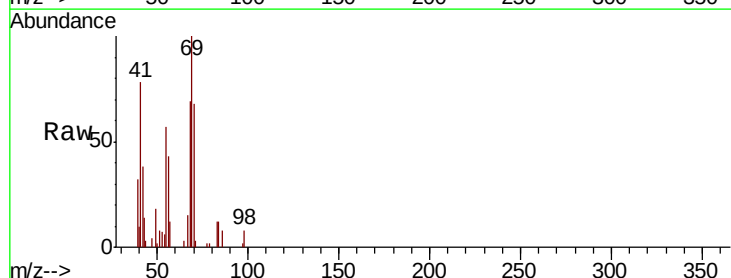
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



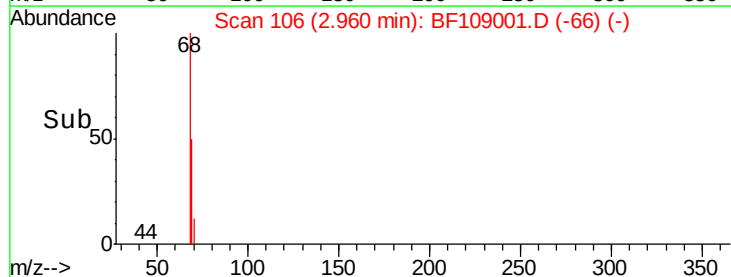
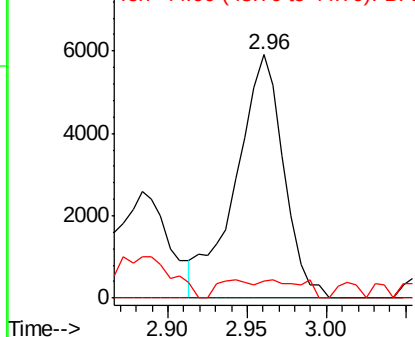
#4

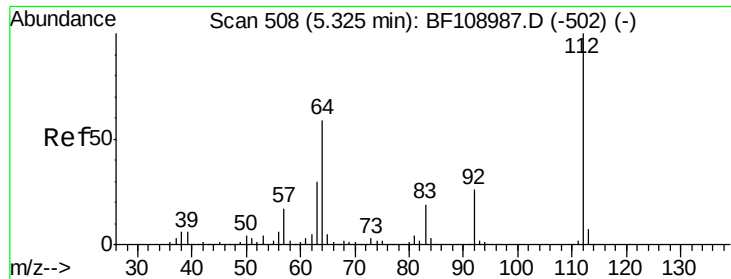
n-Nitrosodimethylamine
Concen: 3.234 ng
RT: 2.96 min Scan# 106
Delta R.T. -0.06 min
Lab File: BF109001.D
Acq: 14 Sep 2018 18:09

Tgt Ion: 42 Resp: 12348
Ion Ratio Lower Upper
42 100
74 0.0 104.9 157.3#
44 7.1 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: 66.015 ng

RT: 5.32 min Scan# 508

Delta R.T. 0.00 min

Lab File: BF109001.D

Acq: 14 Sep 2018 18:09

Instrument :

BNA_F

ClientSampleId :

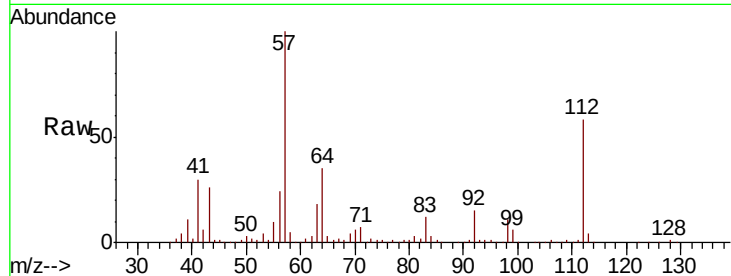
Tot Ion:112 Resp: 528812

Ion Ratio Lower Upper

112 100

64 61.3 47.9 71.9

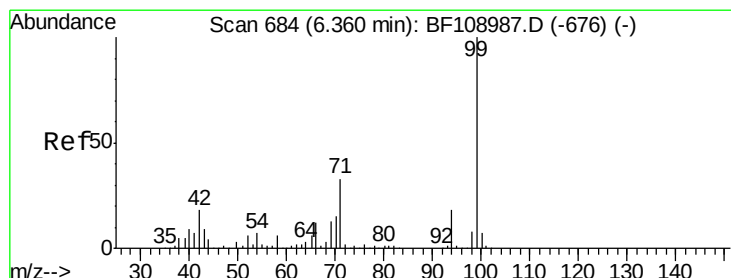
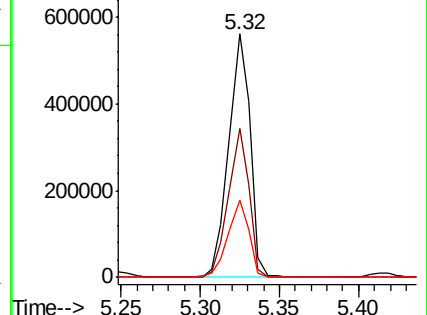
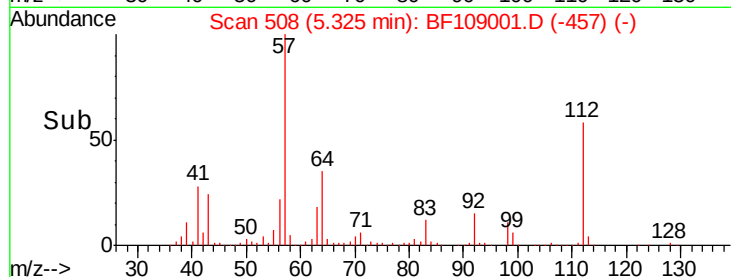
63 31.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 70.151 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF109001.D

Acq: 14 Sep 2018 18:09

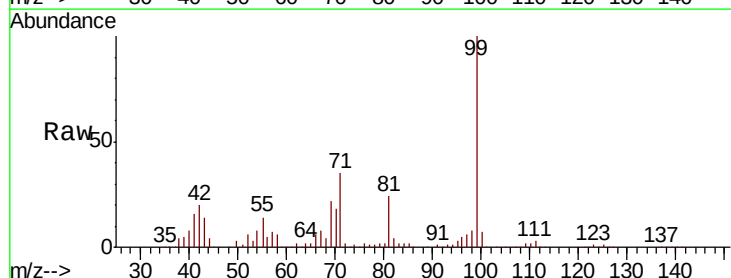
Tgt Ion: 99 Resp: 724597

Ion Ratio Lower Upper

99 100

42 19.9 14.5 21.7

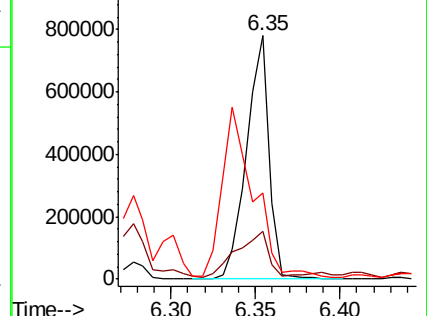
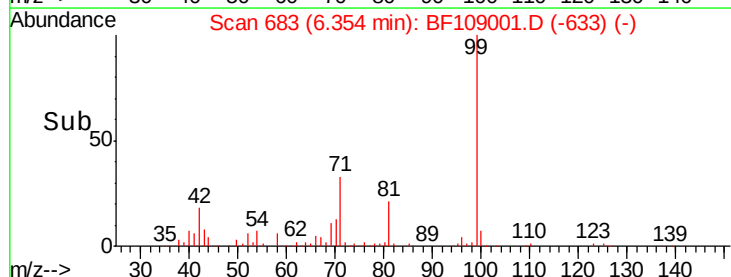
71 35.4 25.4 38.0

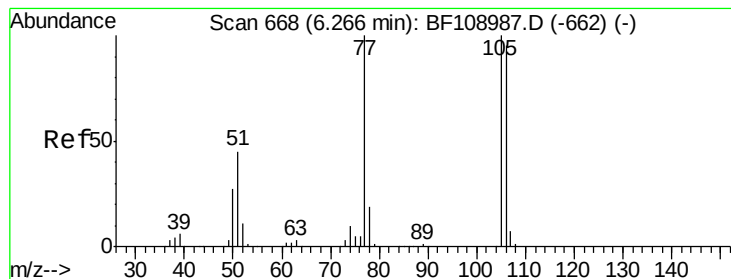


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 6.551 ng

RT: 6.29 min Scan# 672

Delta R.T. 0.02 min

Lab File: BF109001.D

Acq: 14 Sep 2018 18:09

Instrument :

BNA_F

ClientSampled :

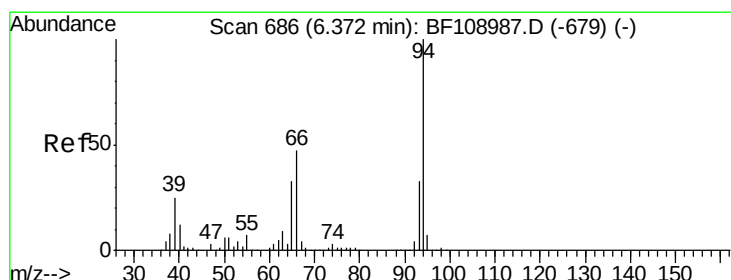
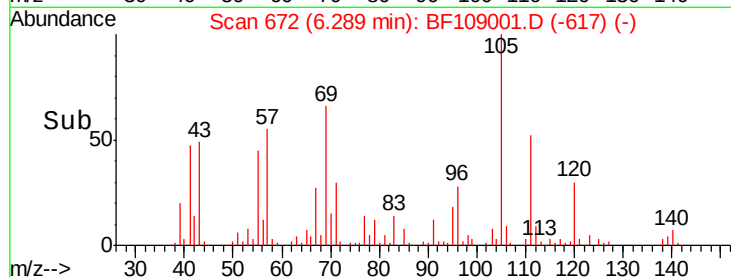
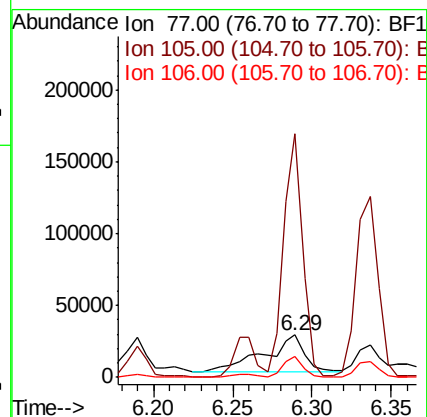
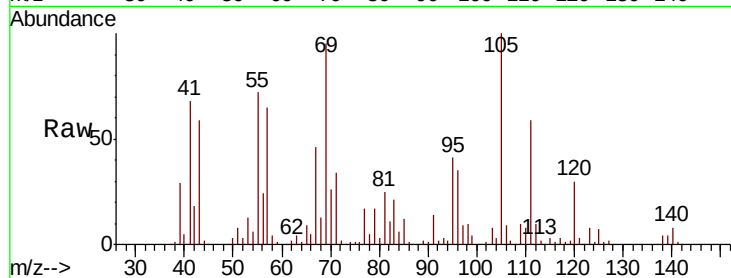
Tot Ion: 77 Resp: 43217

Ion Ratio Lower Upper

77 100

105 577.0 81.1 121.1#

106 50.2 74.5 114.5#



#10

Phenol

Concen: 2.781 ng

RT: 6.37 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF109001.D

Acq: 14 Sep 2018 18:09

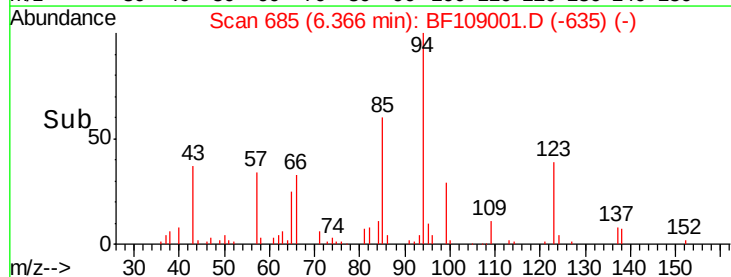
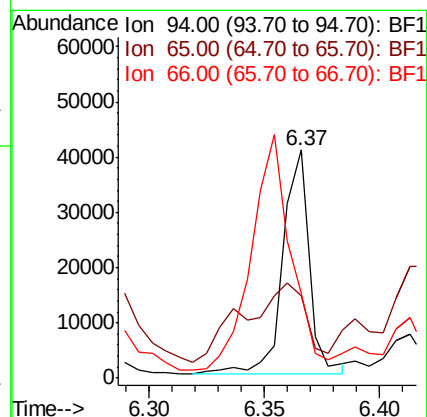
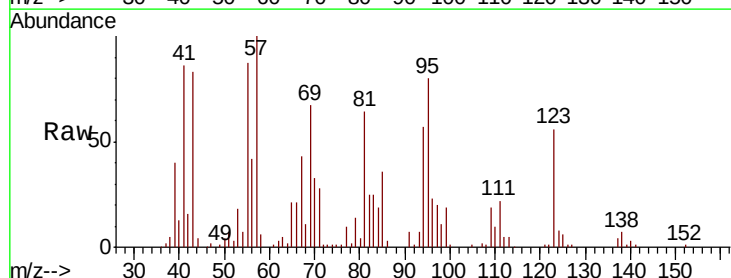
Tgt Ion: 94 Resp: 32321

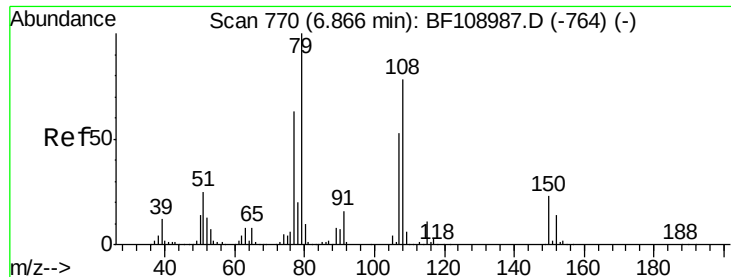
Ion Ratio Lower Upper

94 100

65 36.3 7.9 47.9

66 37.5 16.2 56.2





#15

Benzyl Alcohol

Concen: 3.025 ng

RT: 6.84 min Scan# 766

Delta R.T. -0.02 min

Lab File: BF109001.D

Acq: 14 Sep 2018 18:09

Instrument :

BNA_F

ClientSampled :

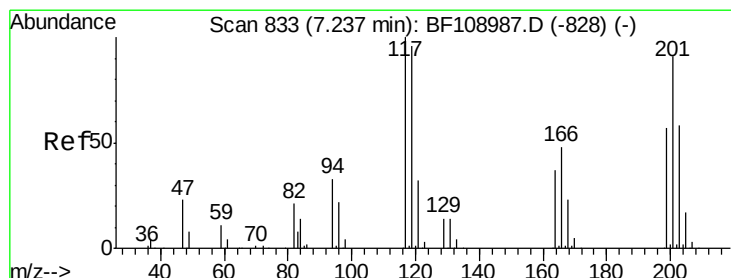
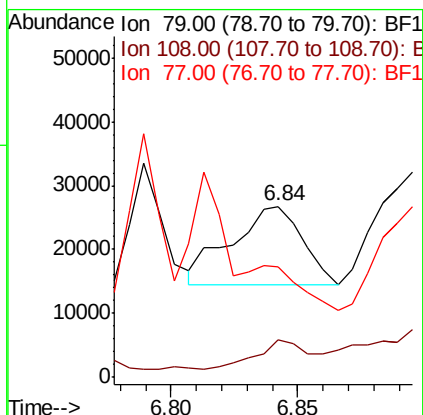
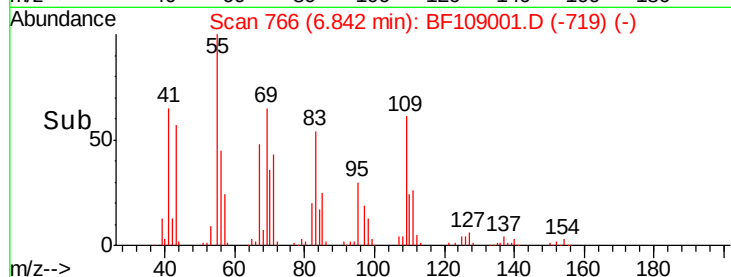
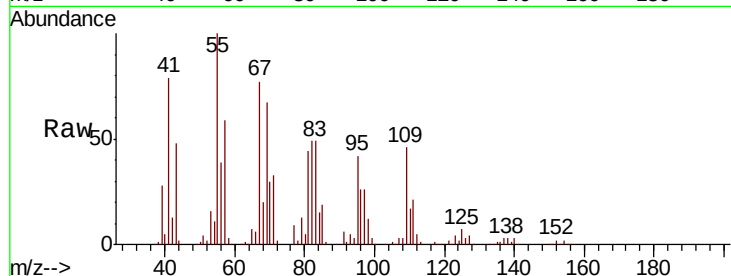
Tot Ion: 79 Resp: 23718

Ion Ratio Lower Upper

79 100

108 22.0 65.1 97.7#

77 64.6 50.6 75.8



#18

Hexachloroethane

Concen: 7.957 ng

RT: 7.21 min Scan# 828

Delta R.T. -0.03 min

Lab File: BF109001.D

Acq: 14 Sep 2018 18:09

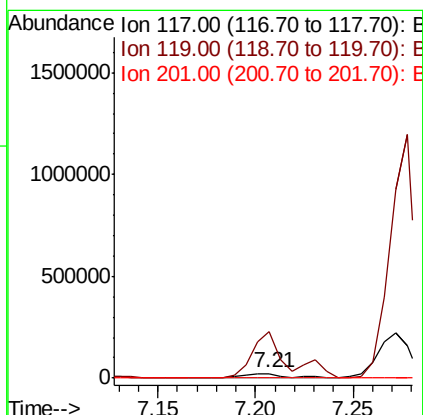
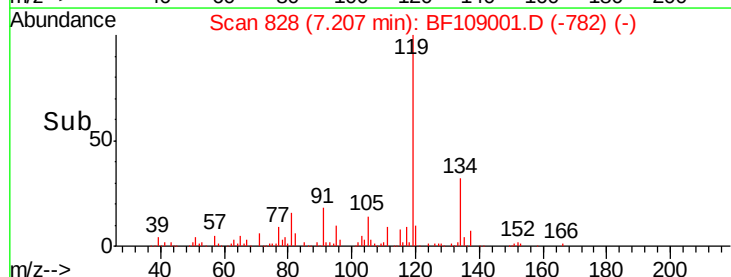
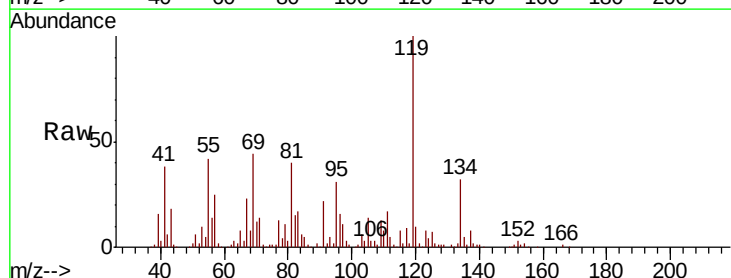
Tgt Ion: 117 Resp: 29723

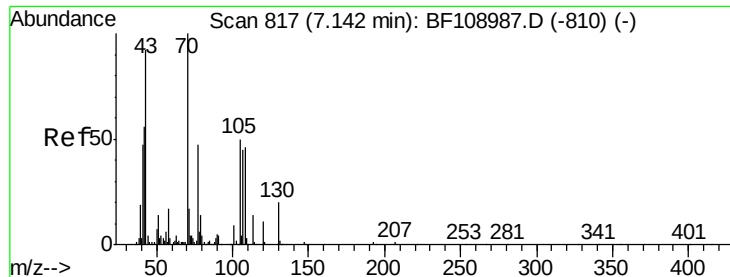
Ion Ratio Lower Upper

117 100

119 1094.6 75.8 113.8#

201 0.0 75.7 113.5#

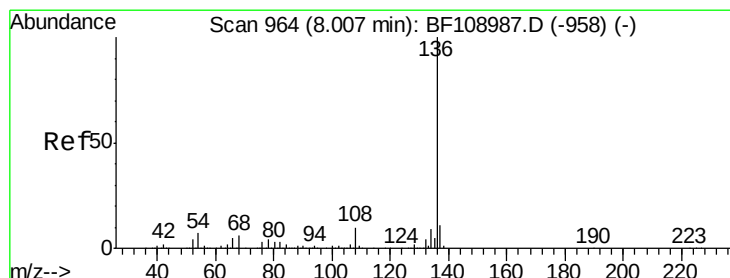
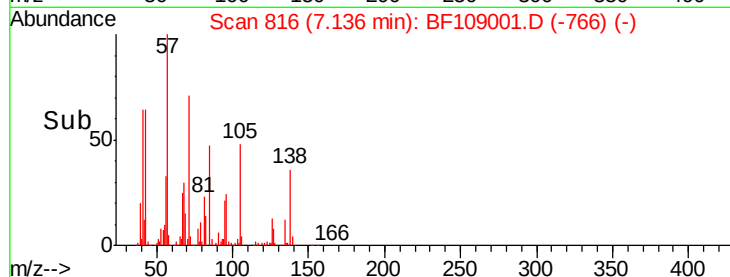
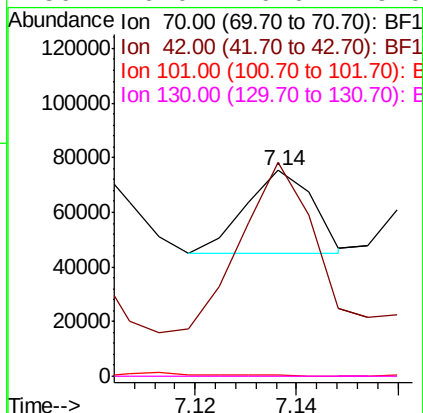
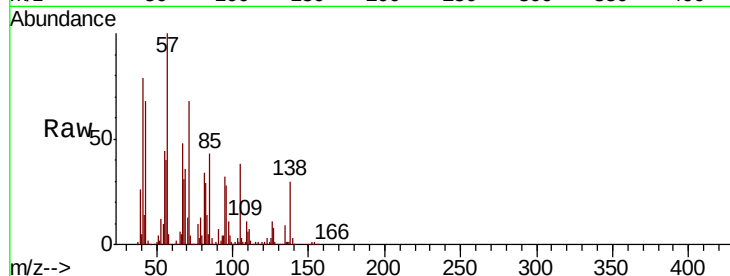




#19
n-Nitroso-di-n-propylamine
Concen: 4.114 ng
RT: 7.14 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF109001.D
Acq: 14 Sep 2018 18:09

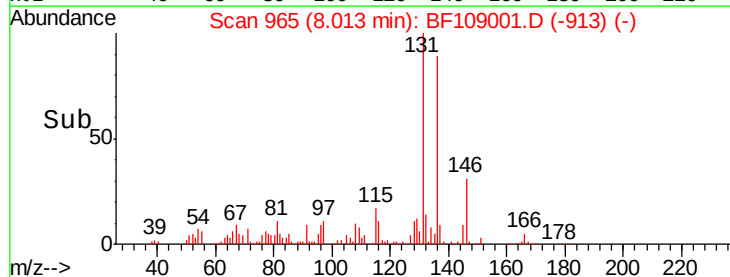
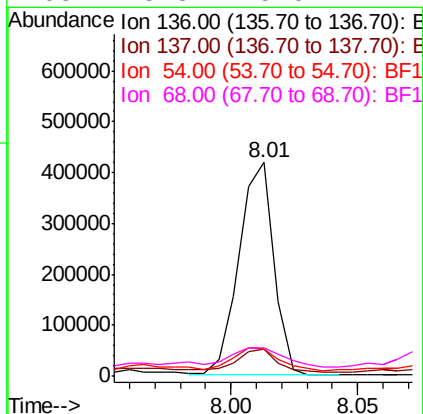
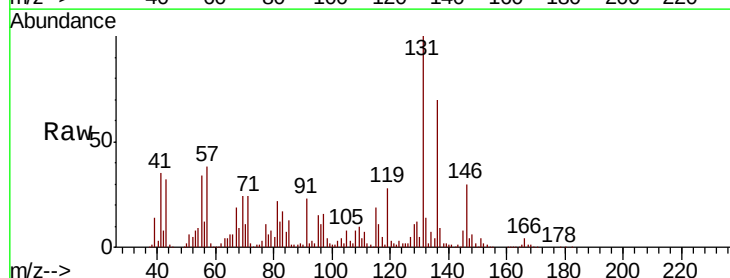
Instrument :
BNA_F
ClientSampled :

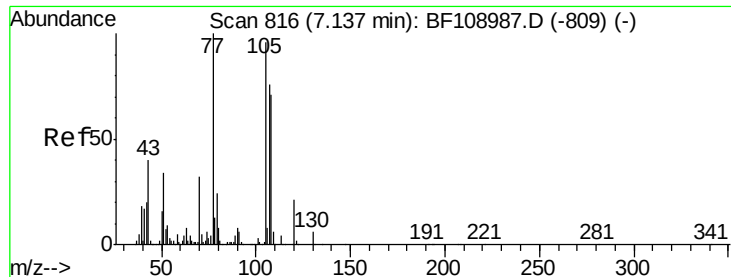
Tot Ion: 70 Resp: 28090
Ion Ratio Lower Upper
70 100
42 103.7 47.5 71.3#
101 0.5 7.4 11.2#
130 0.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 965
Delta R.T. 0.01 min
Lab File: BF109001.D
Acq: 14 Sep 2018 18:09

Tgt Ion: 136 Resp: 399619
Ion Ratio Lower Upper
136 100
137 12.6 8.9 13.3
54 12.7 6.6 9.8#
68 13.3 5.0 7.4#





#22

Acetophenone

Concen: 32.602 ng

RT: 7.13 min Scan# 815

Delta R.T. -0.01 min

Lab File: BF109001.D

Acq: 14 Sep 2018 18:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 295873

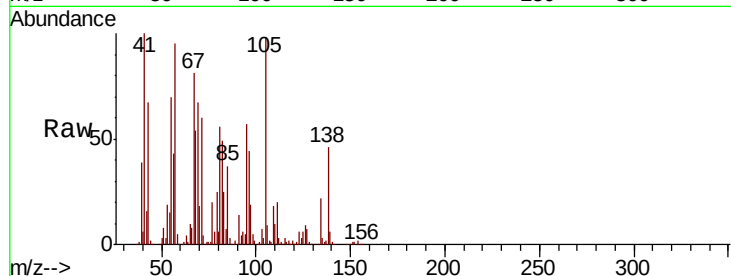
Ion Ratio Lower Upper

105 100

71 60.9 4.4 6.6#

51 7.9 22.3 33.5#

120 0.2 16.9 25.3#

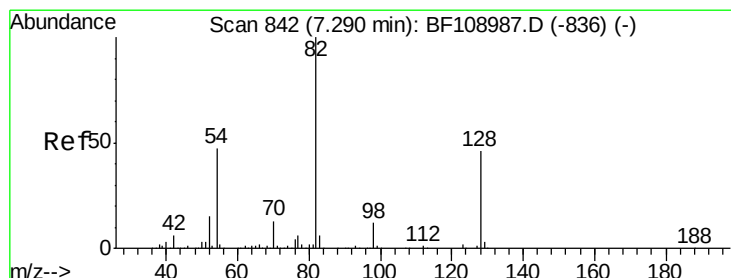
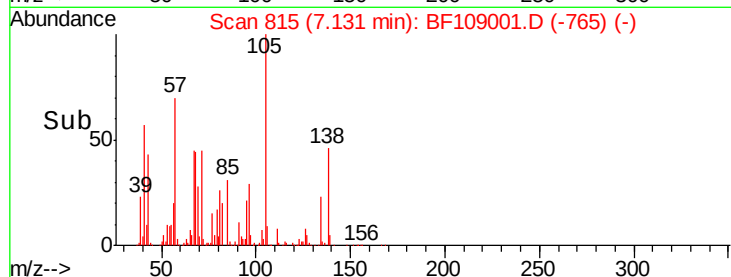
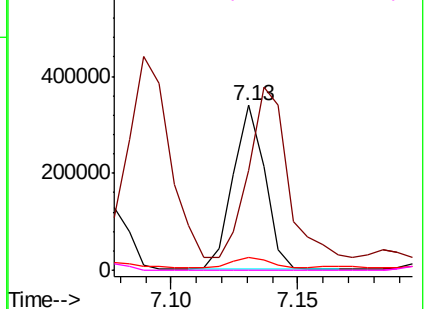


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 69.151 ng

RT: 7.28 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF109001.D

Acq: 14 Sep 2018 18:09

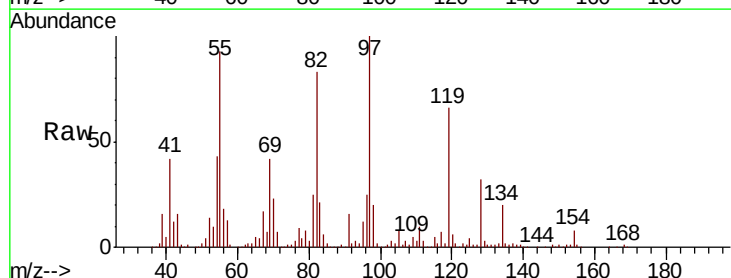
Tgt Ion: 82 Resp: 492686

Ion Ratio Lower Upper

82 100

128 38.9 36.1 54.1

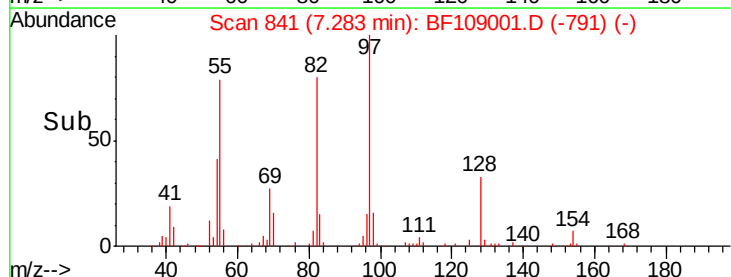
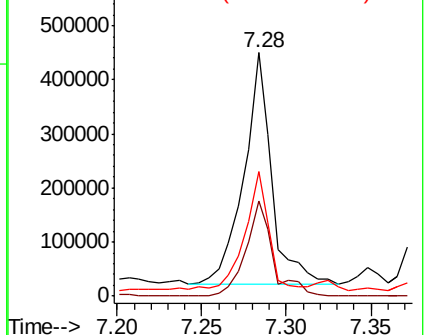
54 51.2 41.4 62.2

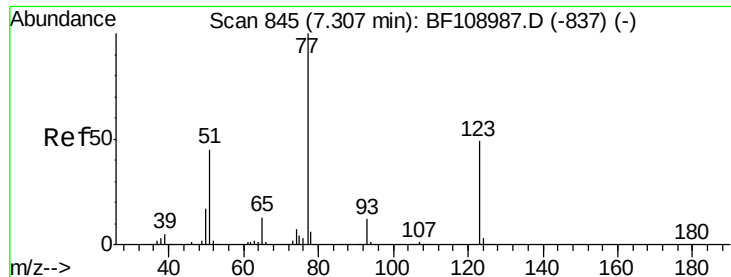


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

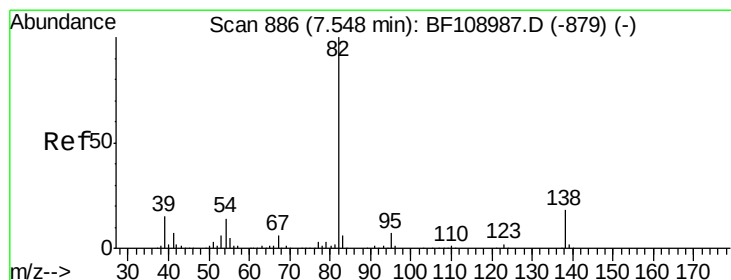
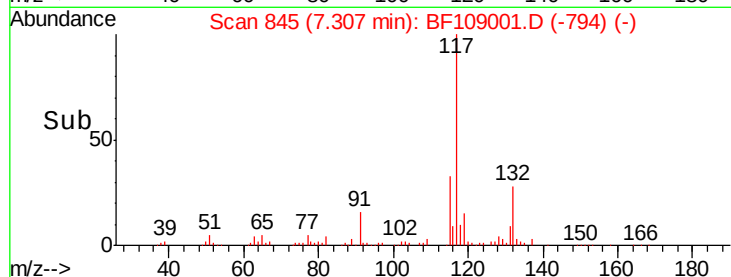
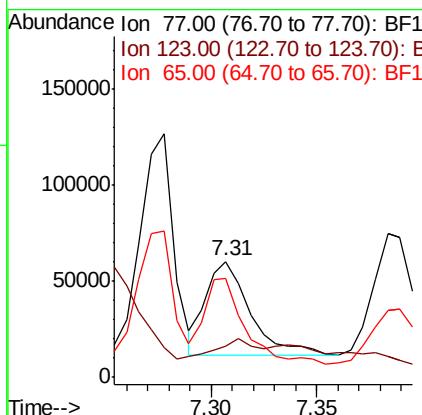
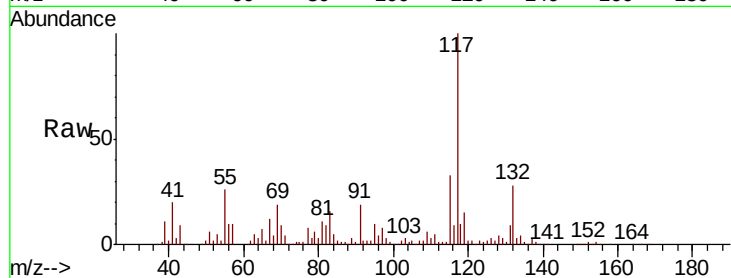




#24
Nitrobenzene
Concen: 9.661 ng
RT: 7.31 min Scan# 845
Delta R.T. -0.00 min
Lab File: BF109001.D
Acq: 14 Sep 2018 18:09

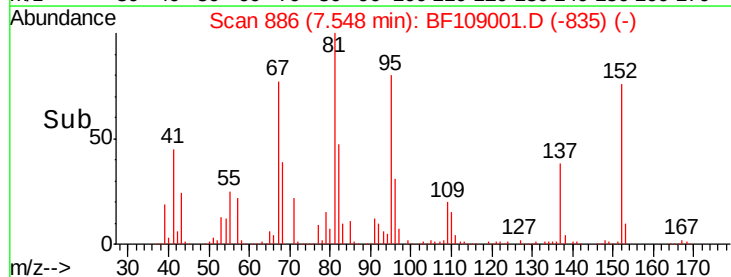
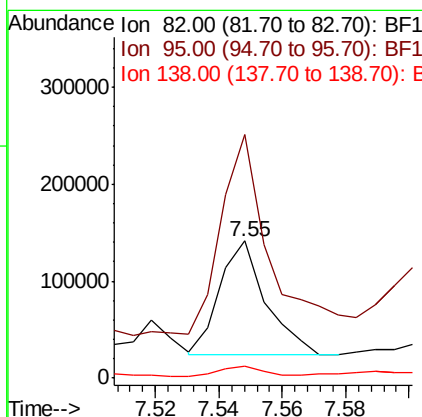
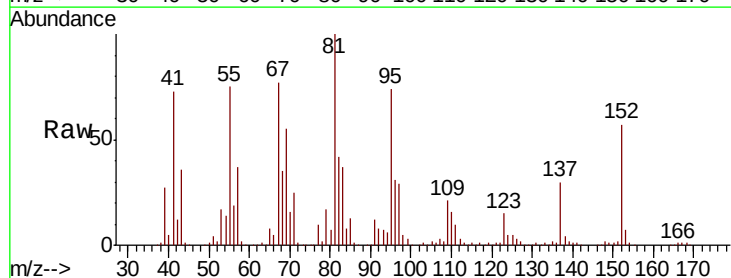
Instrument :
BNA_F
ClientSampled :

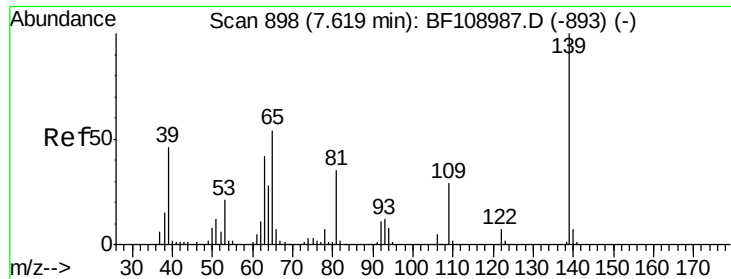
Tot Ion	77	123	65
Resp:	70966		
Ion Ratio	100	26.8	85.6
Lower		37.9	11.0
Upper		56.9#	16.4#



#25
Isophorone
Concen: 9.763 ng
RT: 7.55 min Scan# 886
Delta R.T. -0.00 min
Lab File: BF109001.D
Acq: 14 Sep 2018 18:09

Tgt Ion	82	95	138
Resp:	119574		
Ion Ratio	100	177.7	8.9
Lower		5.2	14.9
Upper		7.8#	22.3#





#26

2-Nitrophenol

Concen: 4.791 ng

RT: 7.65 min Scan# 904

Delta R.T. 0.04 min

Lab File: BF109001.D

Acq: 14 Sep 2018 18:09

Instrument :

BNA_F

ClientSampled :

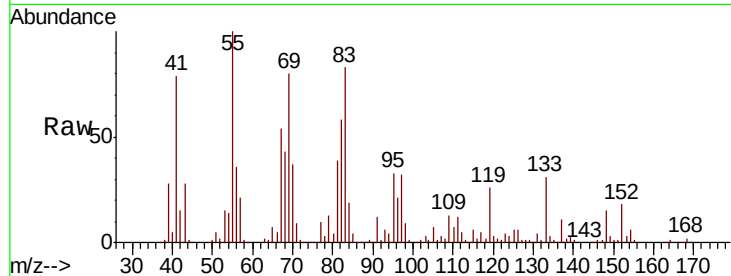
Tot Ion:139 Resp: 16433

Ion Ratio Lower Upper

139 100

109 457.3 22.7 34.1#

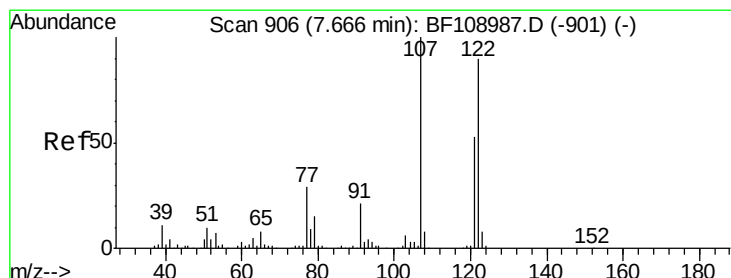
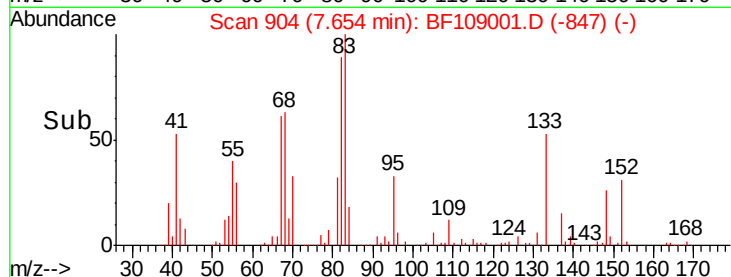
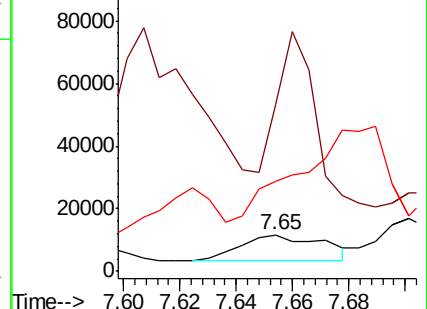
65 248.7 40.5 60.7#



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



#27

2,4-Dimethylphenol

Concen: 3.701 ng

RT: 7.67 min Scan# 907

Delta R.T. 0.01 min

Lab File: BF109001.D

Acq: 14 Sep 2018 18:09

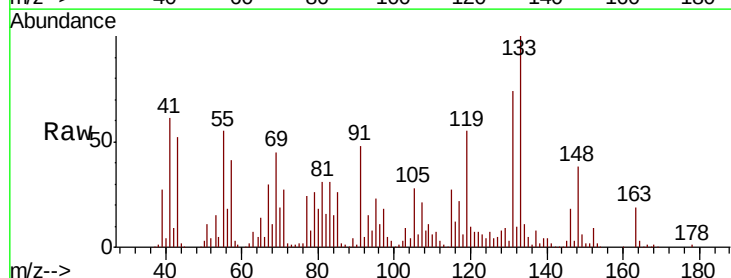
Tgt Ion:122 Resp: 19913

Ion Ratio Lower Upper

122 100

107 318.6 91.2 136.8#

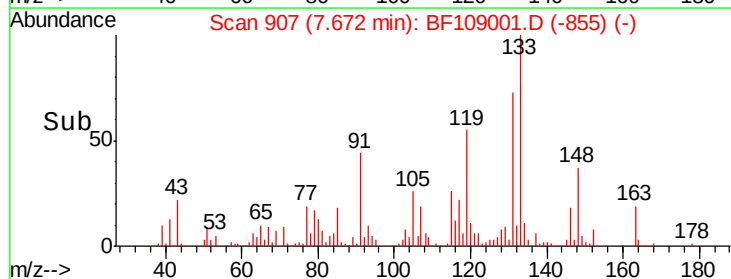
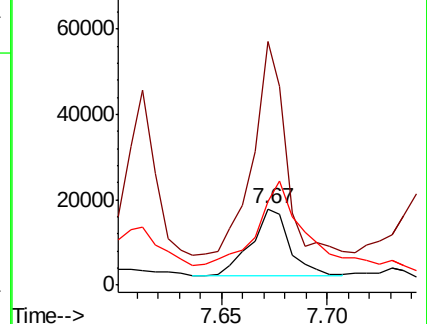
121 109.2 47.2 70.8#

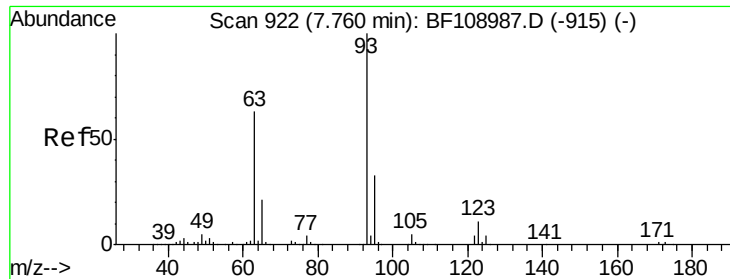


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

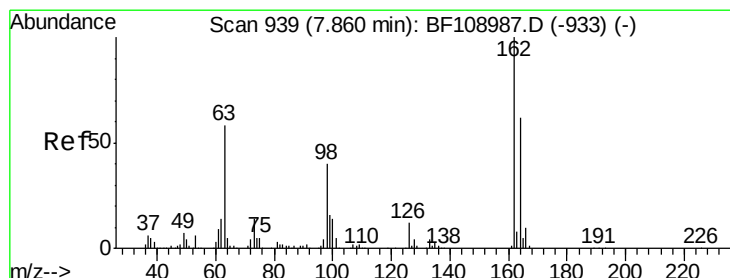
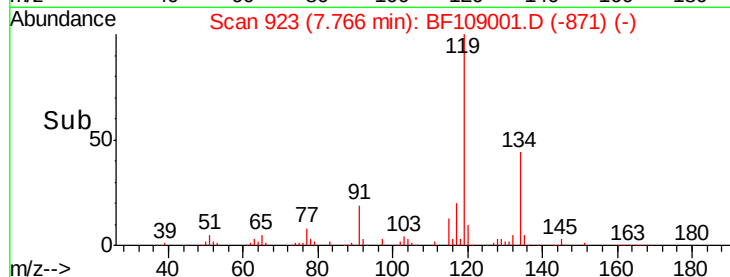
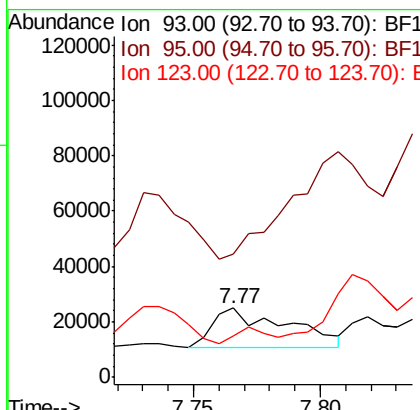
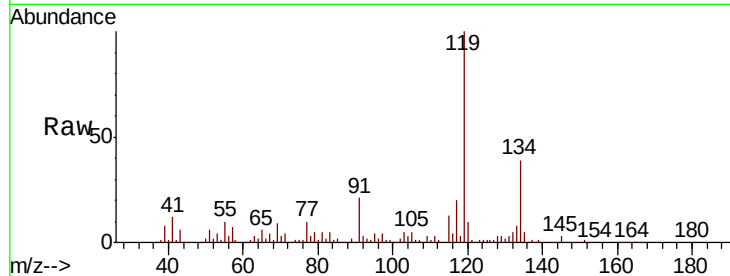




#28
bis(2-Chloroethoxy)methane
Concen: 3.561 ng
RT: 7.77 min Scan# 923
Delta R.T. 0.01 min
Lab File: BF109001.D
Acq: 14 Sep 2018 18:09

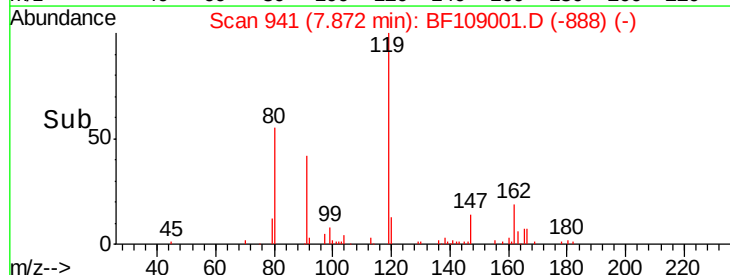
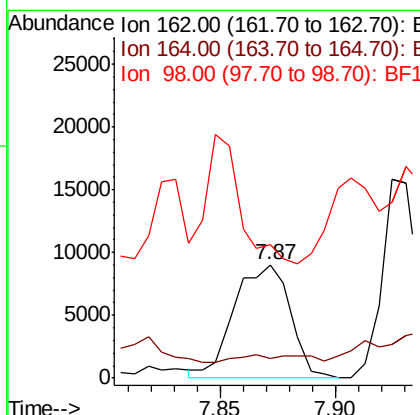
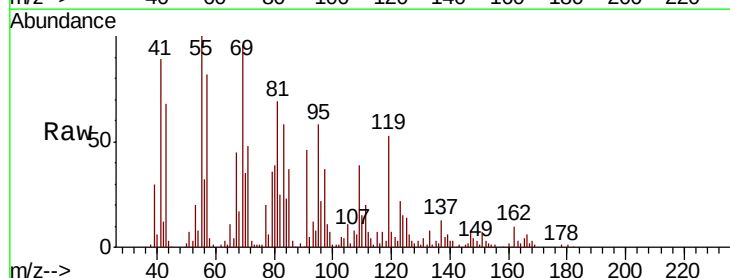
Instrument :
BNA_F
ClientSampled :

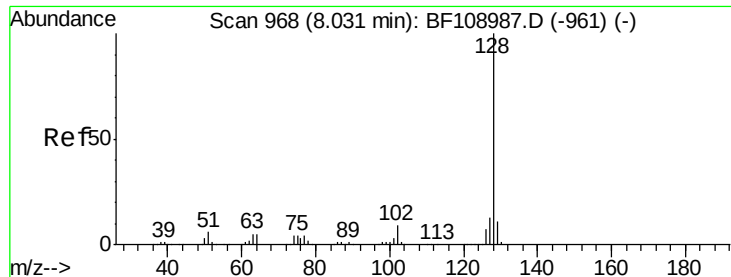
Tot Ion: 93 Resp: 29350
Ion Ratio Lower Upper
93 100
95 177.9 26.3 39.5#
123 60.0 9.8 14.6#



#29
2,4-Dichlorophenol
Concen: 2.661 ng
RT: 7.87 min Scan# 941
Delta R.T. 0.01 min
Lab File: BF109001.D
Acq: 14 Sep 2018 18:09

Tgt Ion: 162 Resp: 15255
Ion Ratio Lower Upper
162 100
164 17.8 42.7 82.7#
98 117.8 18.1 58.1#

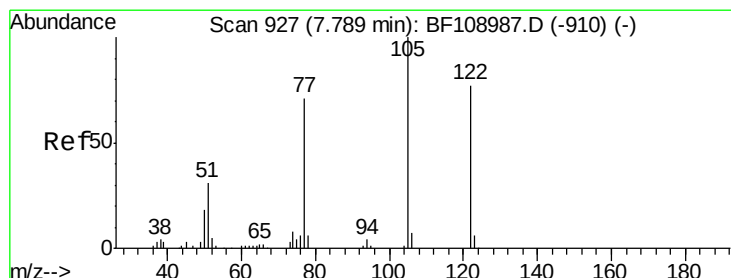
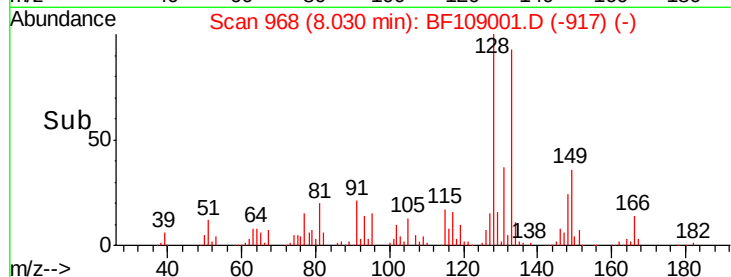
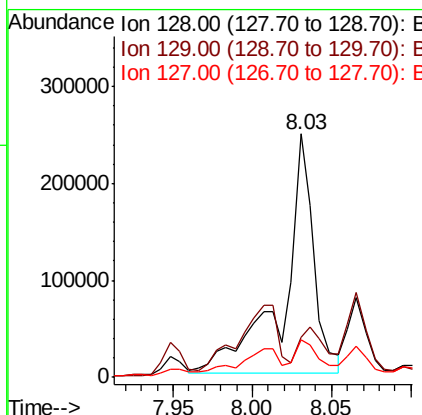
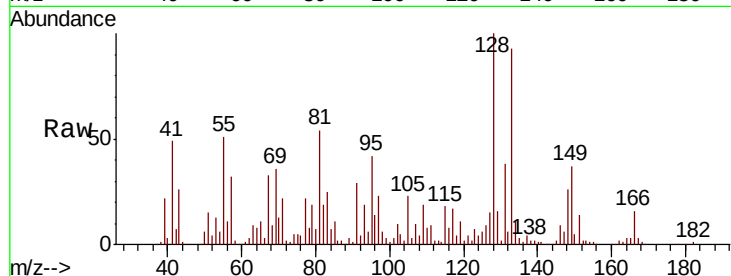




#31
Naphthalene
Concen: 17.736 ng
RT: 8.03 min Scan# 968
Delta R.T. -0.00 min
Lab File: BF109001.D
Acq: 14 Sep 2018 18:09

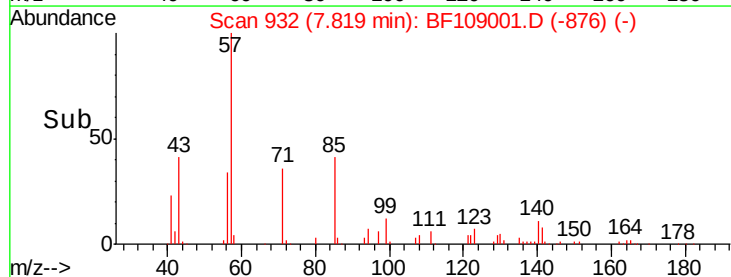
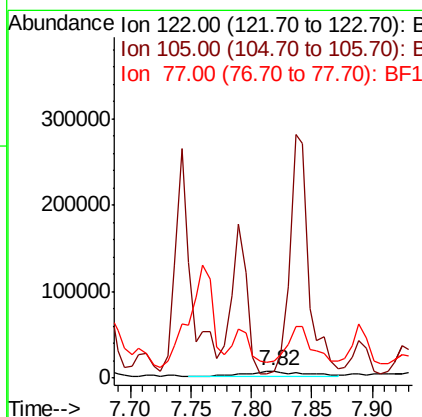
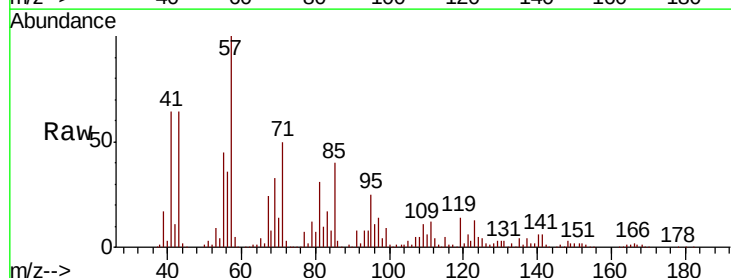
Instrument :
BNA_F
ClientSampleId :

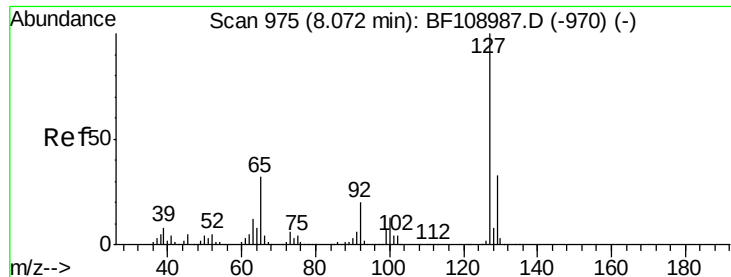
Tot Ion:128 Resp: 328961
Ion Ratio Lower Upper
128 100
129 16.3 8.8 13.2#
127 15.4 10.9 16.3



#32
Benzoic acid
Concen: 5.660 ng
RT: 7.82 min Scan# 932
Delta R.T. 0.03 min
Lab File: BF109001.D
Acq: 14 Sep 2018 18:09

Tgt Ion:122 Resp: 19900
Ion Ratio Lower Upper
122 100
105 96.9 101.1 141.1#
77 237.5 70.7 110.7#

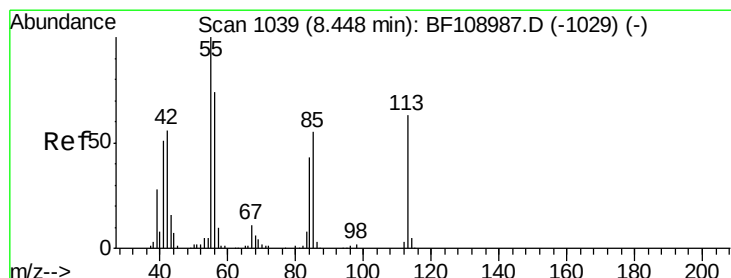
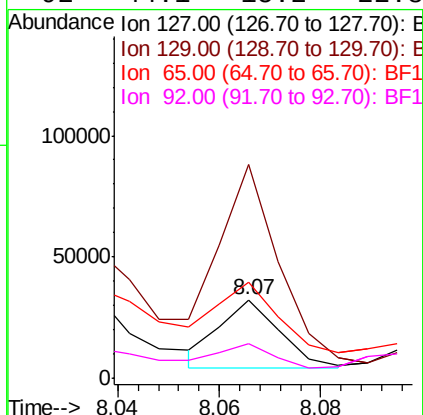
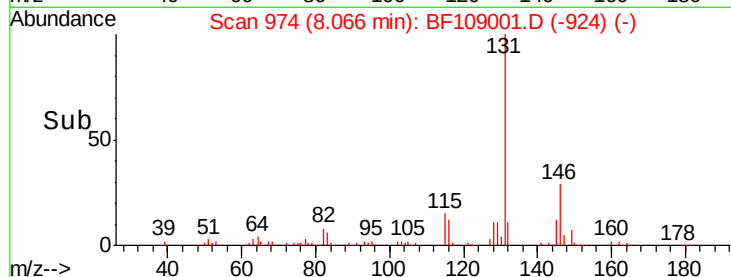
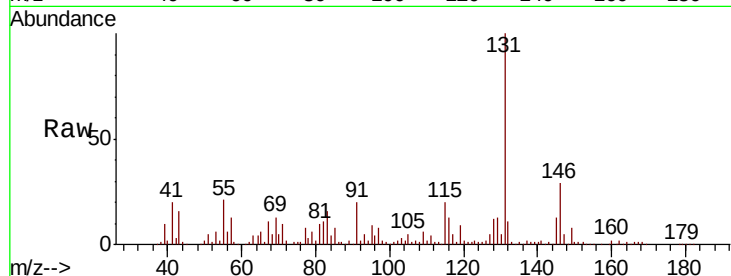




#33
4-Chloroaniline
Concen: 2.833 ng
RT: 8.07 min Scan# 974
Delta R.T. -0.01 min
Lab File: BF109001.D
Acq: 14 Sep 2018 18:09

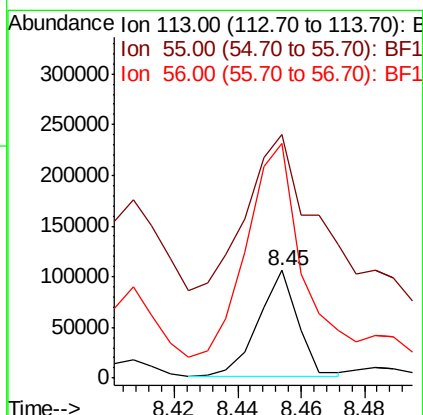
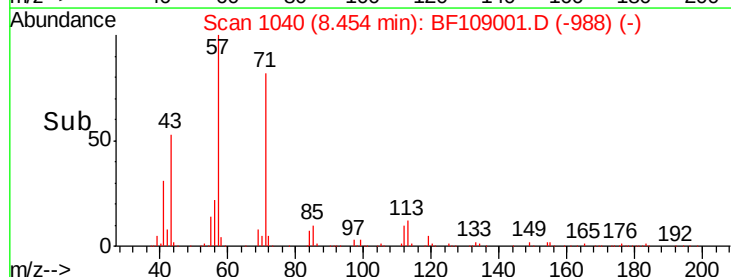
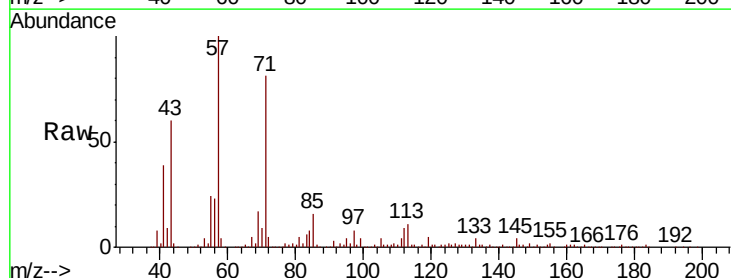
Instrument :
BNA_F
ClientSampleId :

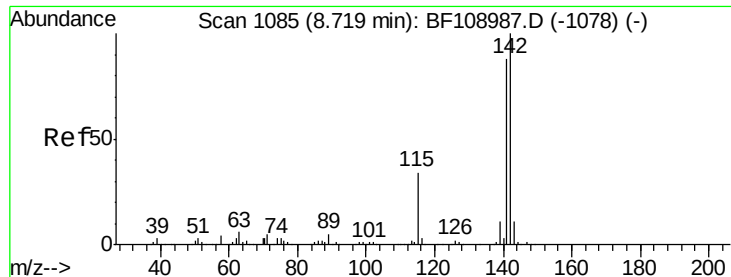
Tot Ion:127	Resp:	23365
Ion Ratio	Lower	Upper
127	100	
129	271.6	25.9 38.9#
65	122.0	25.0 37.4#
92	44.1	15.2 22.8#



#35
Caprolactam
Concen: 48.087 ng
RT: 8.45 min Scan# 1040
Delta R.T. 0.01 min
Lab File: BF109001.D
Acq: 14 Sep 2018 18:09

Tgt Ion:113	Resp:	89890
Ion Ratio	Lower	Upper
113	100	
55	226.5	163.3 203.3#
56	217.8	115.7 155.7#

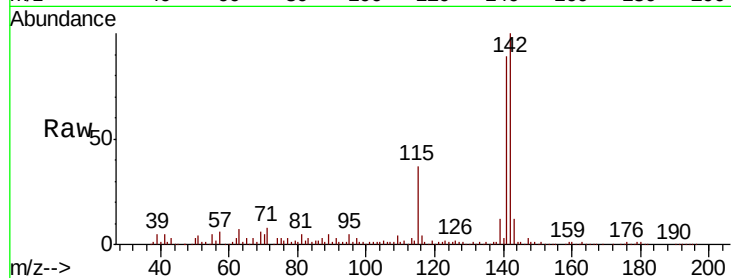




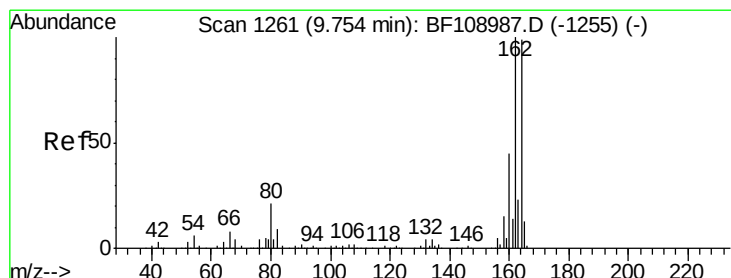
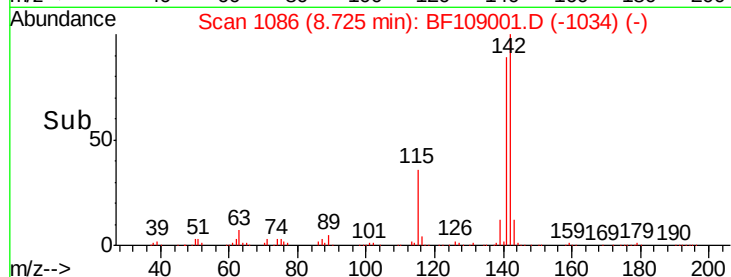
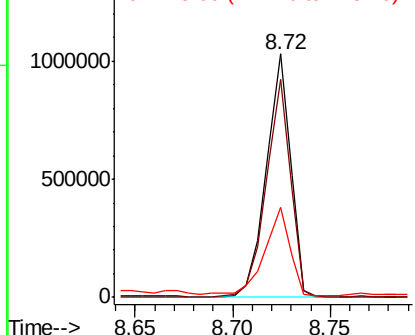
#37
2-Methylnaphthalene
Concen: 73.564 ng
RT: 8.72 min Scan# 1086
Delta R.T. 0.01 min
Lab File: BF109001.D
Acq: 14 Sep 2018 18:09

Instrument :
BNA_F
ClientSampled :

Tot Ion:142 Resp: 889433
Ion Ratio Lower Upper
142 100
141 89.3 70.8 106.2
115 36.8 26.1 39.1

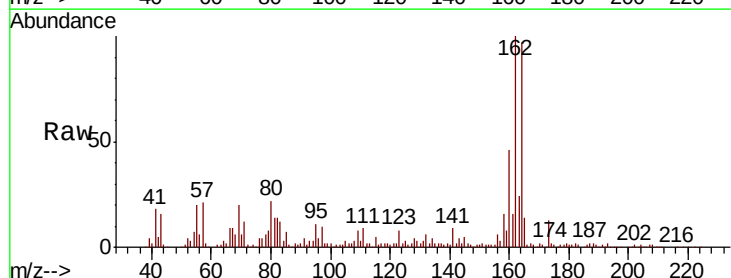


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

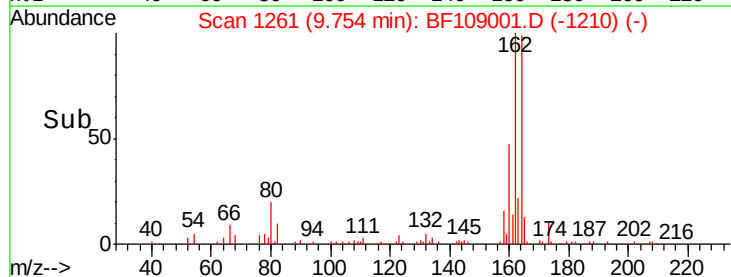
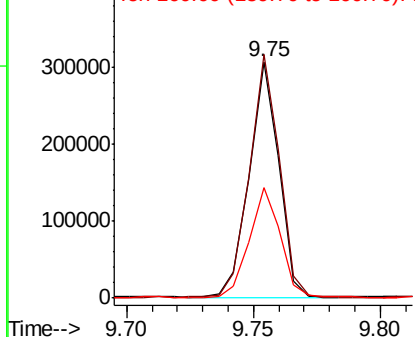


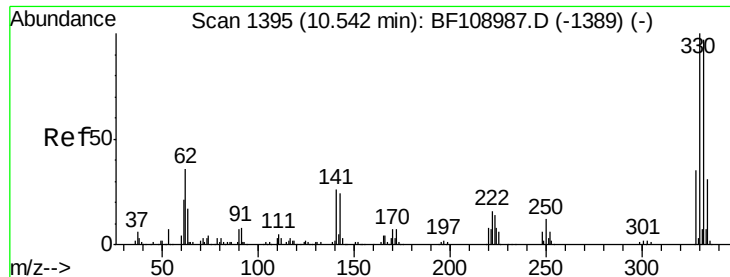
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BF109001.D
Acq: 14 Sep 2018 18:09

Tgt Ion:164 Resp: 249187
Ion Ratio Lower Upper
164 100
162 103.0 86.1 129.1
160 47.0 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

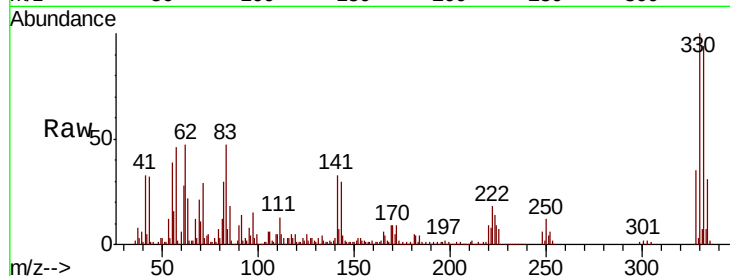




#41
 2,4,6-Tribromophenol
 Concen: 70.445 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109001.D
 Acq: 14 Sep 2018 18:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	31.9	29.9	44.9

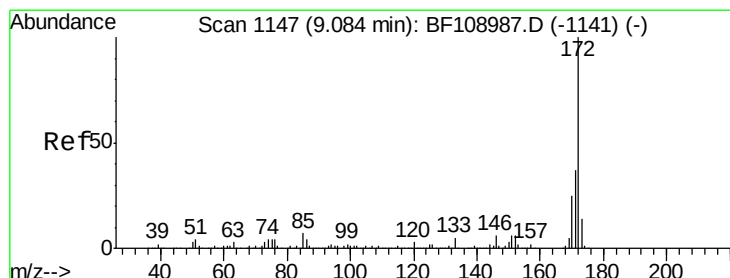
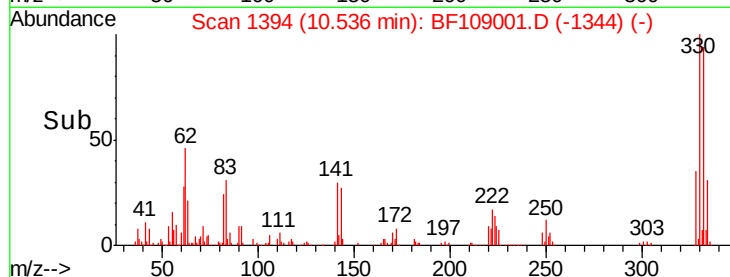
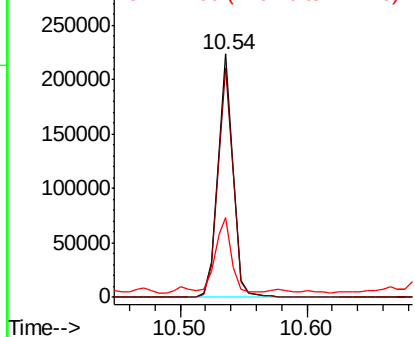


Abundance

Ion 329.80 (329.50 to 330.50): E

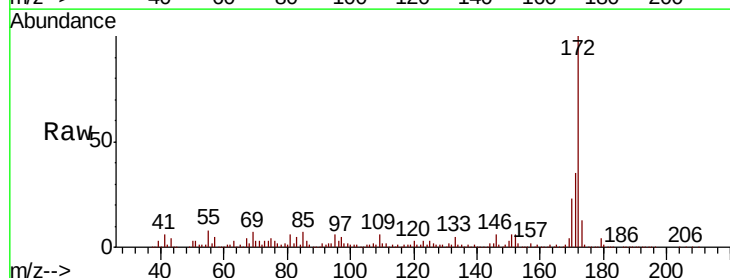
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 48.258 ng
 RT: 9.08 min Scan# 1147
 Delta R.T. 0.00 min
 Lab File: BF109001.D
 Acq: 14 Sep 2018 18:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.3	19.6	29.4

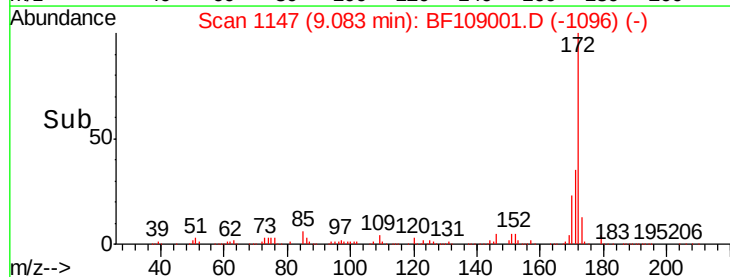
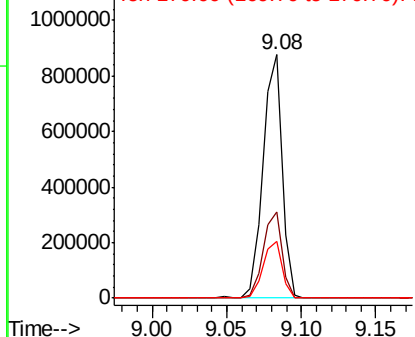


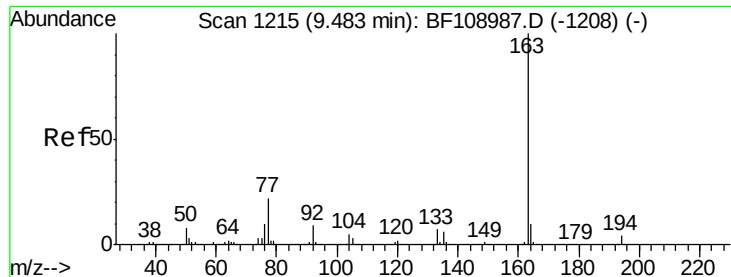
Abundance

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

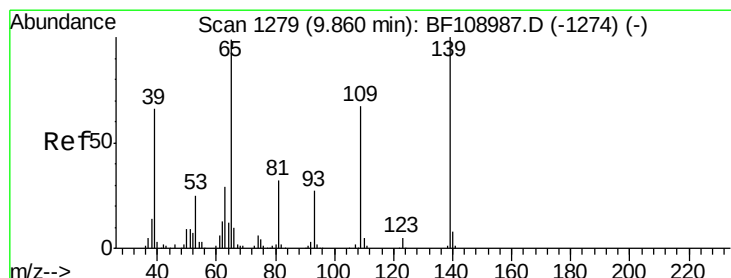
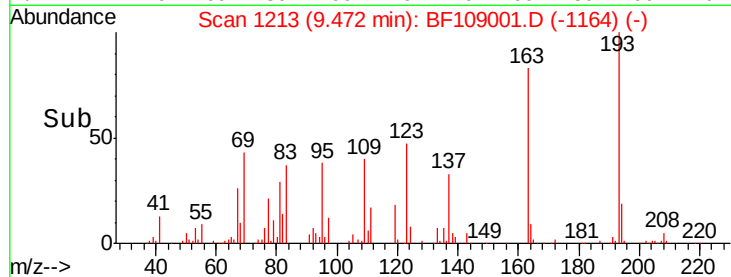
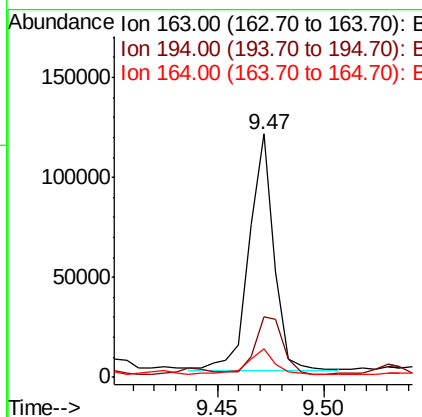
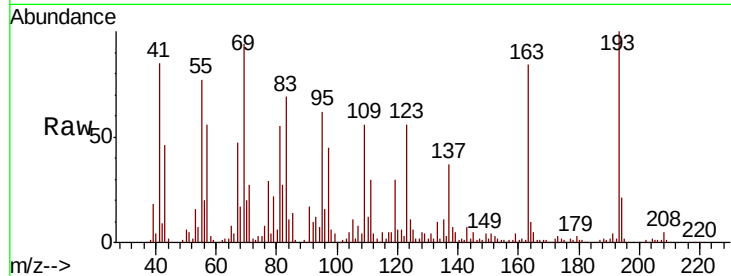




#49
Dimethylphthalate
Concen: 5.430 ng
RT: 9.47 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF109001.D
Acq: 14 Sep 2018 18:09

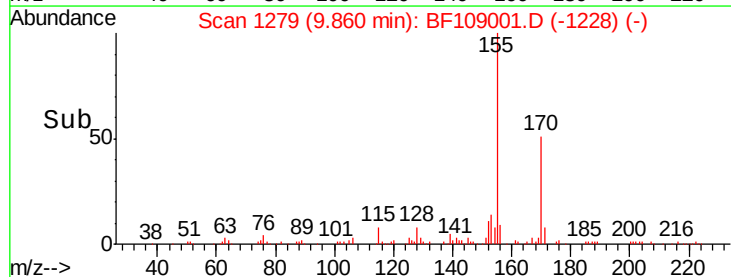
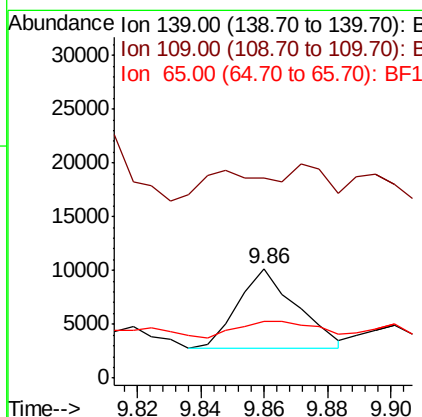
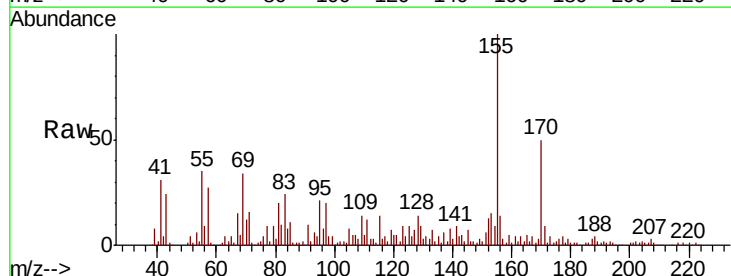
Instrument :
BNA_F
ClientSampleId :

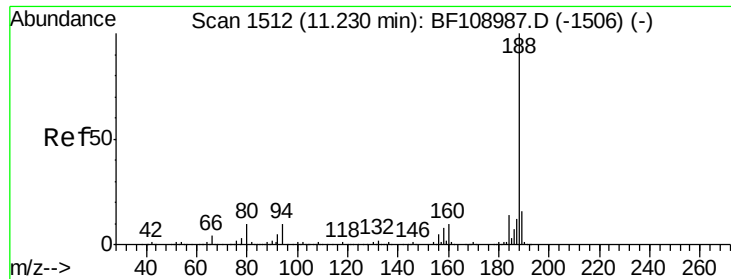
Tot Ion:163 Resp: 96711
Ion Ratio Lower Upper
163 100
194 25.0 2.7 4.1#
164 11.5 8.2 12.2



#55
4-Nitrophenol
Concen: 2.823 ng
RT: 9.86 min Scan# 1279
Delta R.T. -0.00 min
Lab File: BF109001.D
Acq: 14 Sep 2018 18:09

Tgt Ion:139 Resp: 9675
Ion Ratio Lower Upper
139 100
109 182.8 48.4 88.4#
65 51.6 72.6 112.6#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BF109001.D

Acq: 14 Sep 2018 18:09

Instrument :

BNA_F

ClientSampleId :

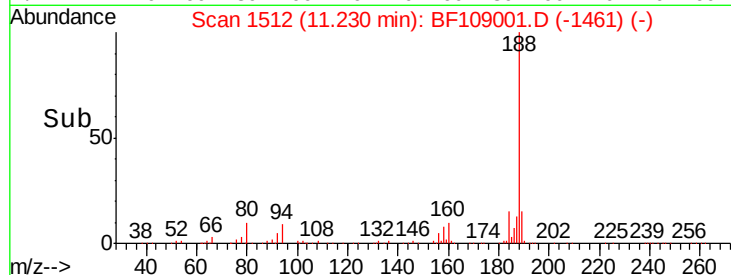
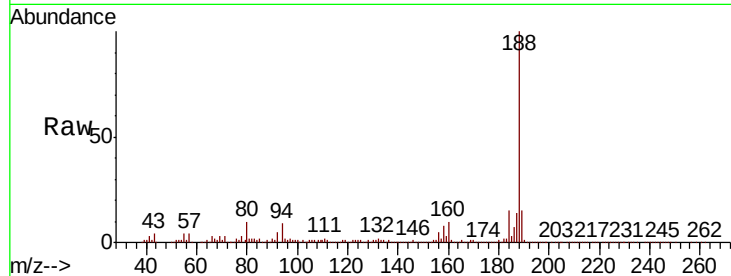
Tot Ion:188 Resp: 510711

Ion Ratio Lower Upper

188 100

94 9.2 8.5 12.7

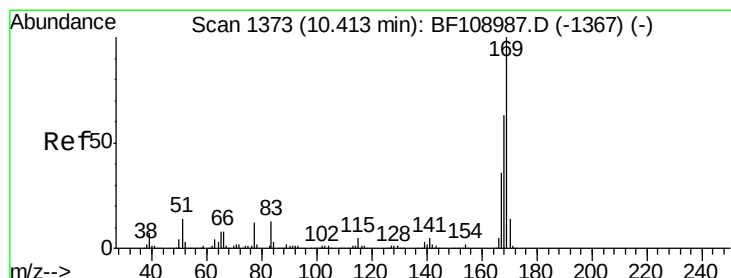
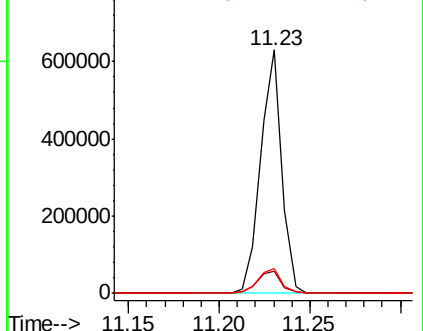
80 9.9 9.2 13.8



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



#65

n-Nitrosodiphenylamine

Concen: 2.421 ng

RT: 10.42 min Scan# 1374

Delta R.T. 0.01 min

Lab File: BF109001.D

Acq: 14 Sep 2018 18:09

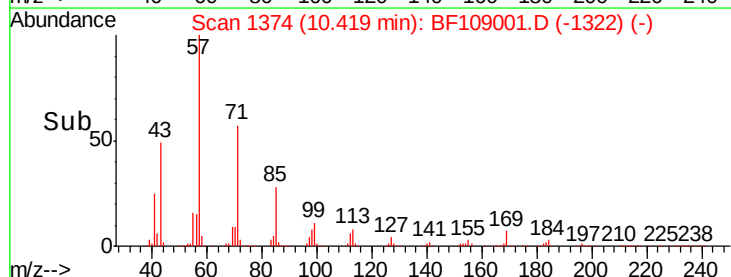
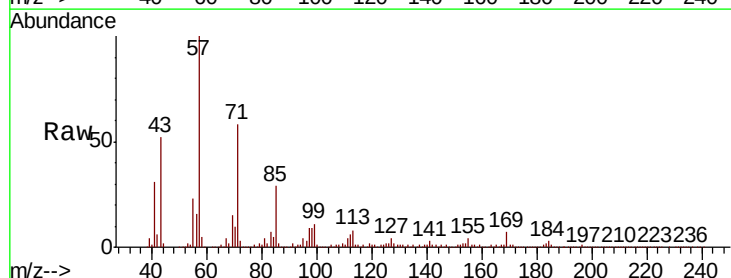
Tgt Ion:169 Resp: 40443

Ion Ratio Lower Upper

169 100

168 18.3 54.4 81.6#

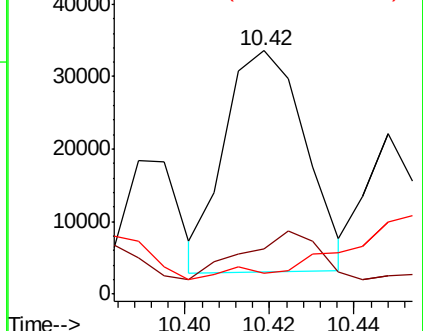
167 8.4 29.8 44.6#

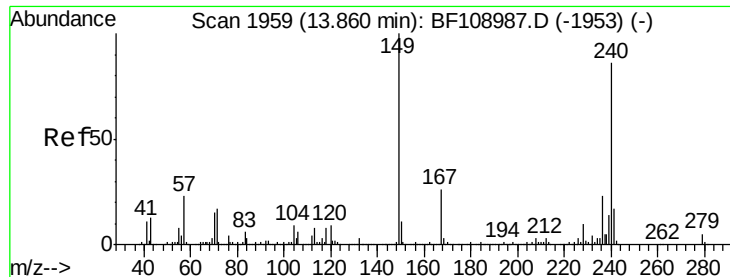


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BF109001.D

Acq: 14 Sep 2018 18:09

Instrument :

BNA_F

ClientSampled :

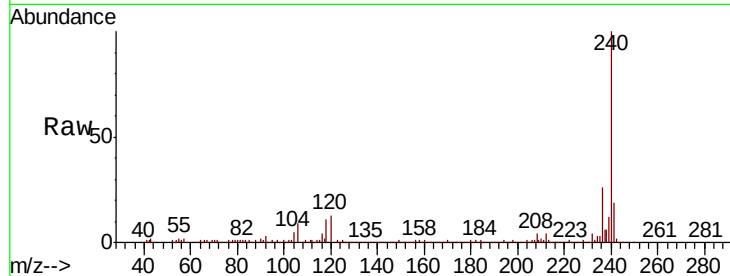
Tot Ion:240 Resp: 416012

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

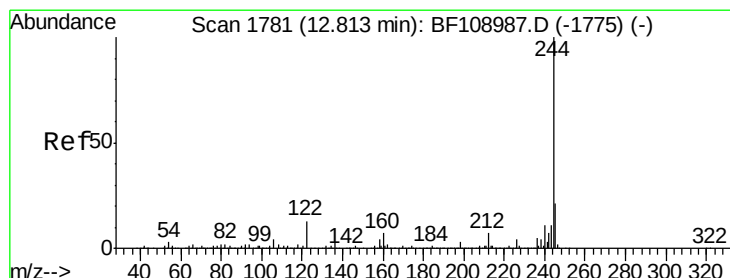
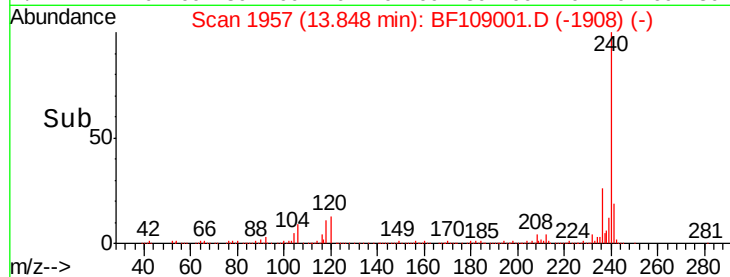
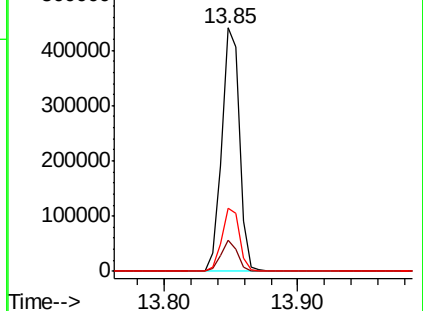
236 26.0 20.7 31.1



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: 48.006 ng

RT: 12.81 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BF109001.D

Acq: 14 Sep 2018 18:09

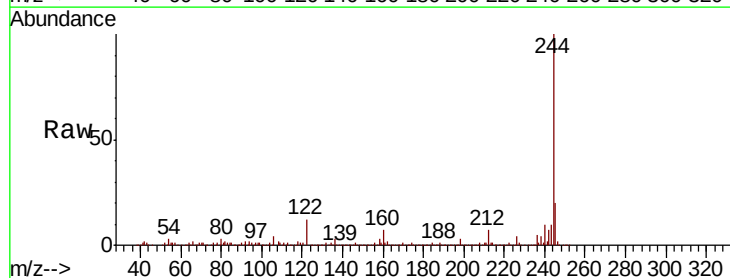
Tgt Ion:244 Resp: 842565

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

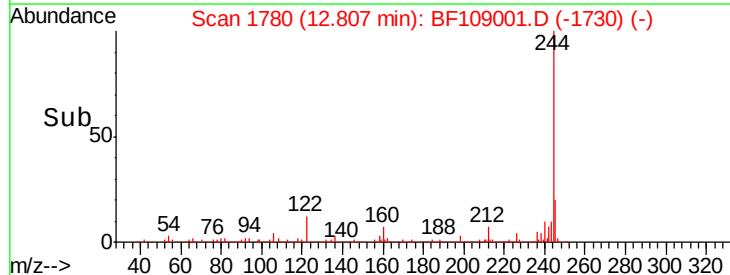
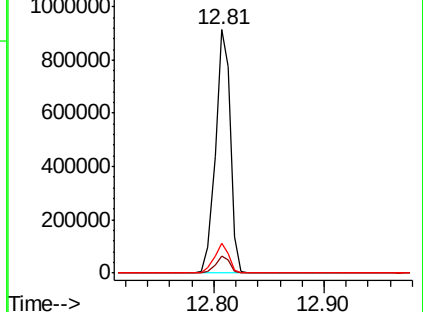
122 12.3 11.0 16.4

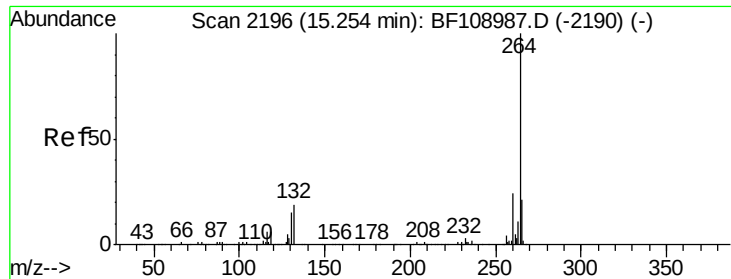


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.25 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BF109001.D
Acq: 14 Sep 2018 18:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.2	17.5	26.3

