

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
 Data File : BF118010.D
 Acq On : 26 Nov 2019 16:37
 Operator : JU
 Sample : K6002-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 26 17:22:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	158521	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	492285	20.00	ng	0.00
39) Acenaphthene-d10	9.95	164	242138	20.00	ng	0.00
64) Phenanthrene-d10	11.44	188	395354	20.00	ng	0.00
76) Chrysene-d12	14.09	240	309307	20.00	ng	0.00
87) Perylene-d12	15.60	264	265881	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	315321	35.21	ng	0.04
7) Phenol-d6	6.54	99	716887	66.37	ng	0.02
23) Nitrobenzene-d5	7.47	82	791697	95.60	ng	0.00
42) 2,4,6-Tribromophenol	10.75	330	314251	122.59	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1269350	94.05	ng	0.00
79) Terphenyl-d14	13.03	244	1361801	80.47	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	462729	Below Cal		# 1
10) Phenol	6.55	94	142666	12.710	ng	97
15) Benzyl Alcohol	7.05	79	39477	4.734	ng	# 54
17) 2-Methylphenol	7.15	107	107408	13.052	ng	# 81
18) Hexachloroethane	7.39	117	52173	12.282	ng	# 1
19) n-Nitroso-di-n-propylamine	7.47	70	112029	16.812	ng	# 77
20) 3+4-Methylphenols	7.30	107	144930	14.188	ng	94
22) Acetophenone	7.29	105	382298	34.565	ng	# 57
24) Nitrobenzene	7.47	77	50967	5.966	ng	# 7
25) Isophorone	7.47	82	787458	51.881	ng	# 62
27) 2,4-Dimethylphenol	7.84	122	246344	38.126	ng	96
31) Naphthalene	8.22	128	3256986	141.918	ng	99
32) Benzoic acid	7.97	122	212636	39.303	ng	# 17
33) 4-Chloroaniline	8.22	127	488319	47.529	ng	# 40
37) 2-Methylnaphthalene	8.90	142	831579	53.628	ng	99
38) 1-Methylnaphthalene	9.00	142	502060	34.247	ng	100
50) Dimethylphthalate	9.66	163	365447	21.523	ng	99
67) 4-Bromophenyl-phenylether	10.75	248	19669	4.611	ng	# 1
75) Fluoranthene	12.66	202	4116	Below Cal		85

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

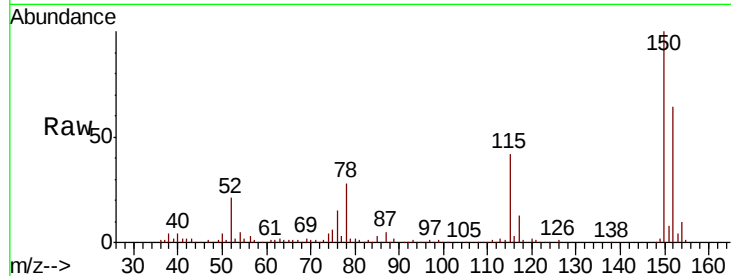


#1

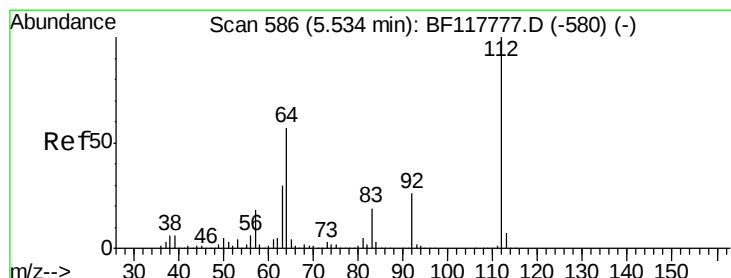
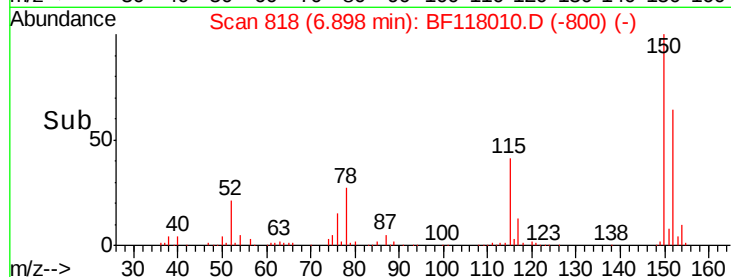
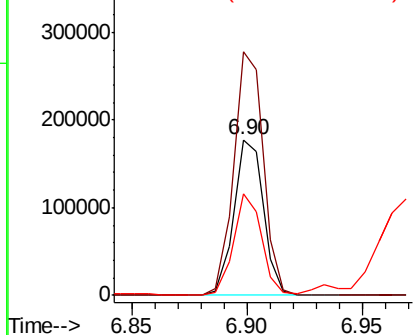
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.01 min
Lab File: BF118010.D
Acq: 26 Nov 2019 16:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 158521
Ion Ratio Lower Upper
152 100
150 156.6 125.3 187.9
115 65.0 47.0 70.4



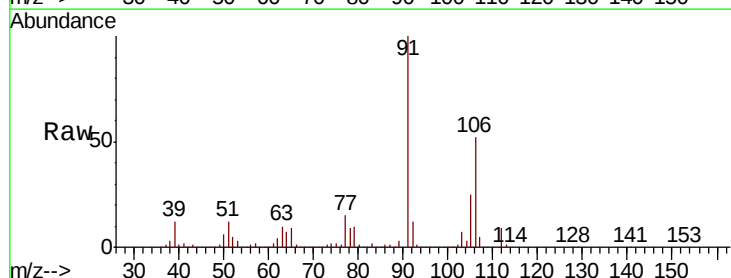
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



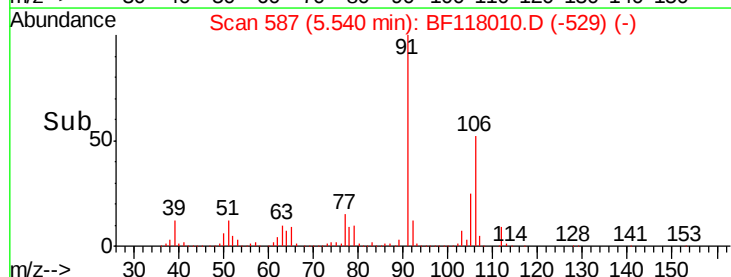
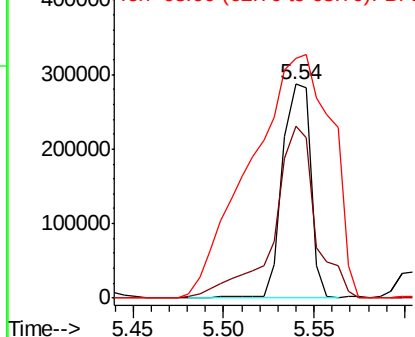
#5

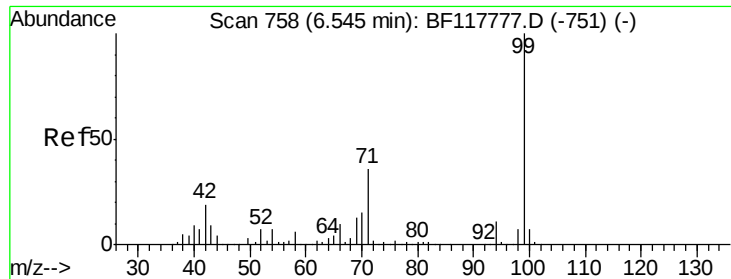
2-Fluorophenol
Concen: 35.210 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.04 min
Lab File: BF118010.D
Acq: 26 Nov 2019 16:37

Tgt Ion:112 Resp: 315321
Ion Ratio Lower Upper
112 100
64 80.1 45.6 68.4#
63 111.8 24.1 36.1#



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: 66.368 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.02 min

Lab File: BF118010.D

Acq: 26 Nov 2019 16:37

Instrument :

BNA_F

ClientSampleId :

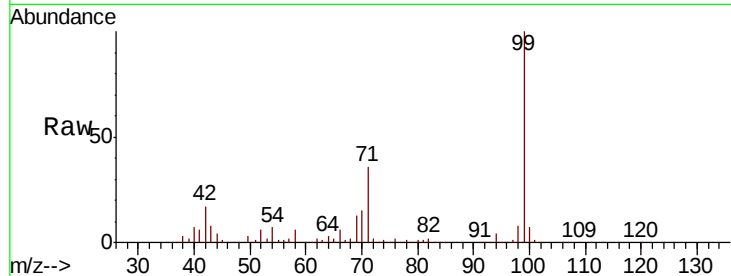
Tot Ion: 99 Resp: 716887

Ion Ratio Lower Upper

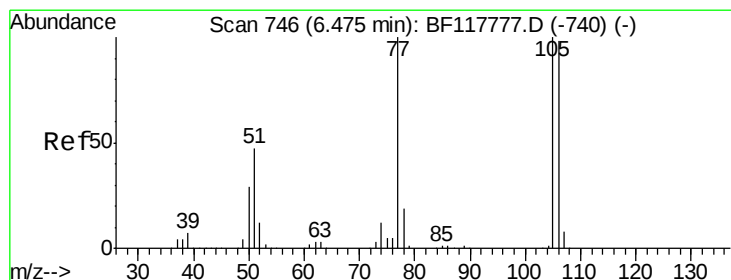
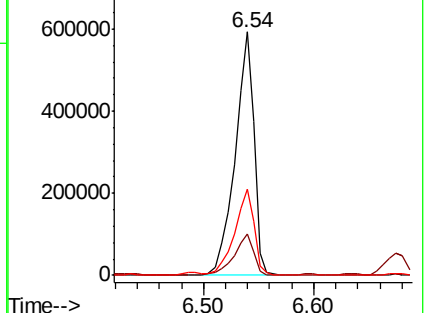
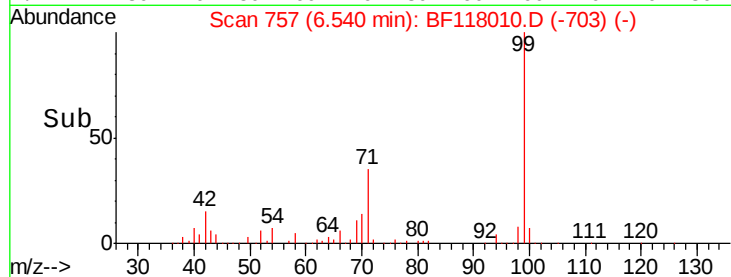
99 100

42 16.8 14.9 22.3

71 35.5 28.6 43.0



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: Below Cal

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF118010.D

Acq: 26 Nov 2019 16:37

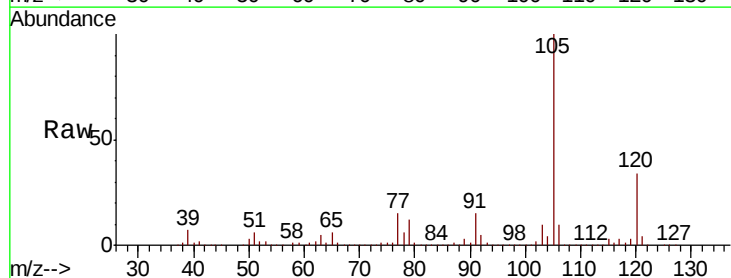
Tgt Ion: 77 Resp: 462729

Ion Ratio Lower Upper

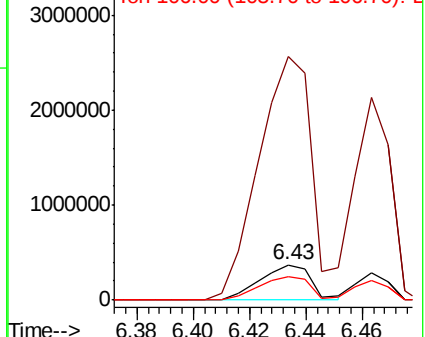
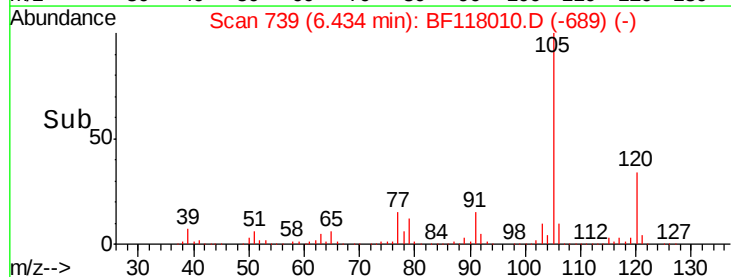
77 100

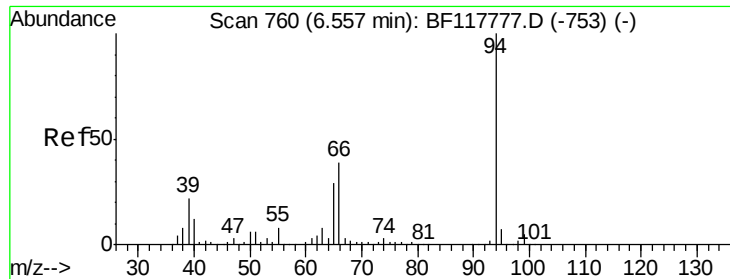
105 687.9 80.2 120.2#

106 67.1 78.4 118.4#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 12.710 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.02 min

Lab File: BF118010.D

Acq: 26 Nov 2019 16:37

Instrument :

BNA_F

ClientSampled :

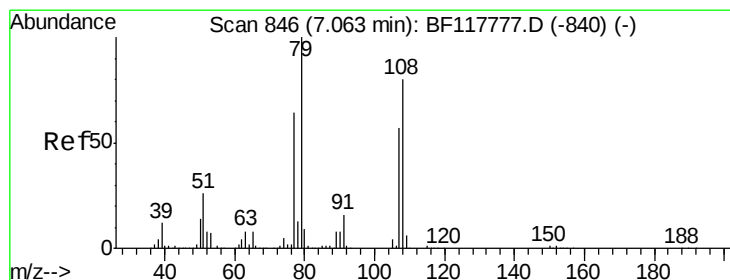
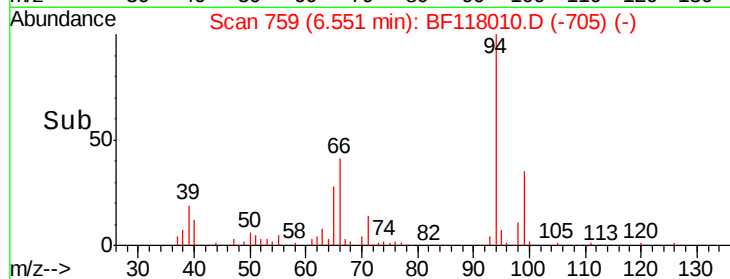
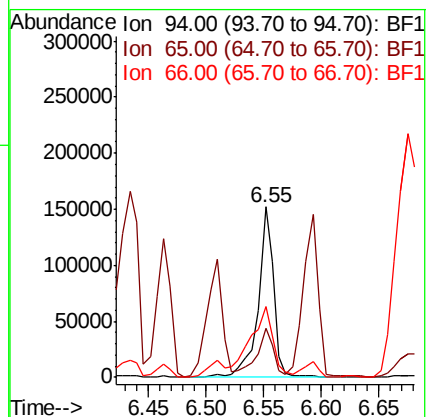
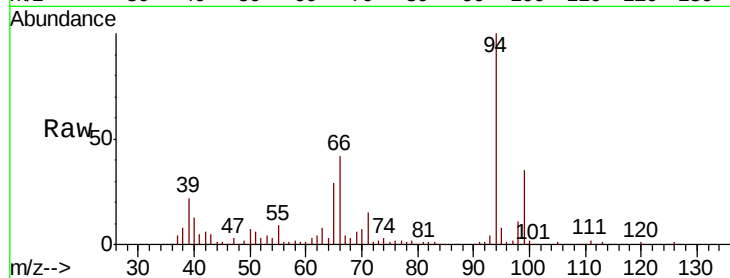
Tot Ion: 94 Resp: 142666

Ion Ratio Lower Upper

94 100

65 28.8 8.9 48.9

66 41.8 18.7 58.7



#15

Benzyl Alcohol

Concen: 4.734 ng

RT: 7.05 min Scan# 844

Delta R.T. 0.02 min

Lab File: BF118010.D

Acq: 26 Nov 2019 16:37

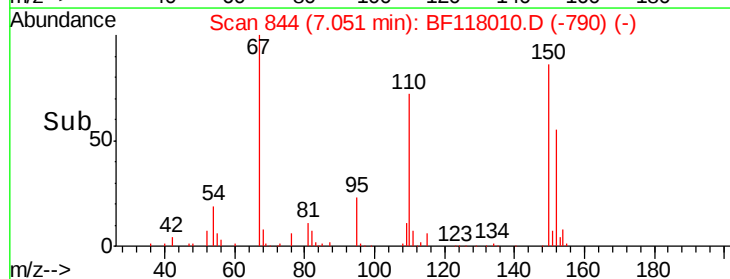
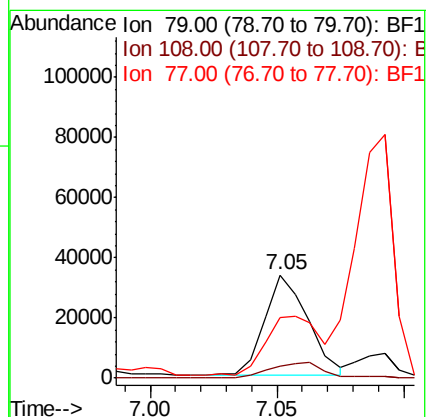
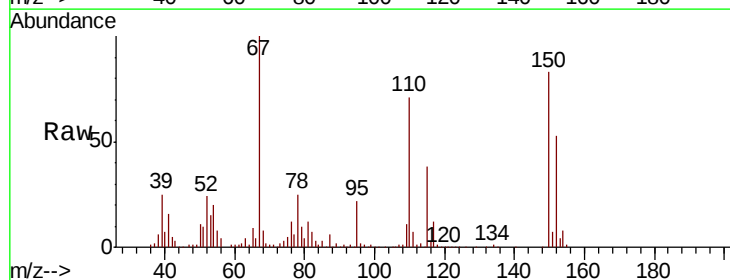
Tgt Ion: 79 Resp: 39477

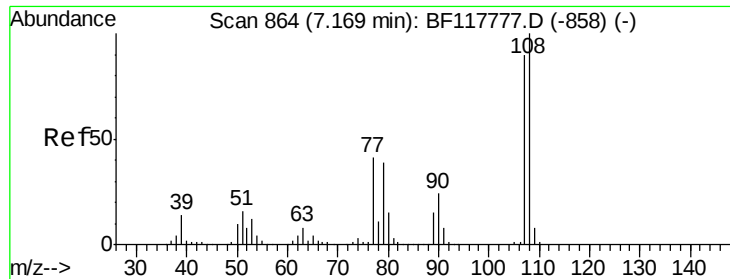
Ion Ratio Lower Upper

79 100

108 11.1 64.1 96.1#

77 59.3 51.3 76.9

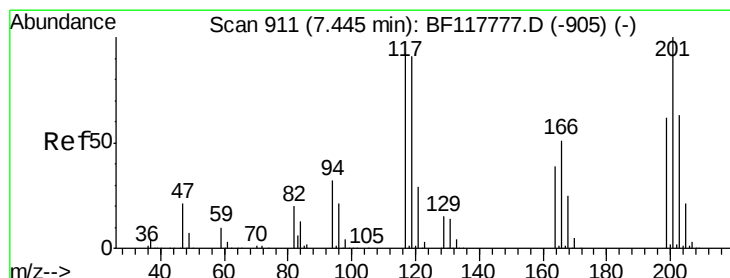
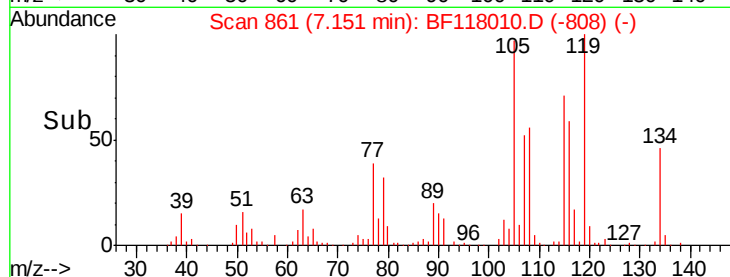
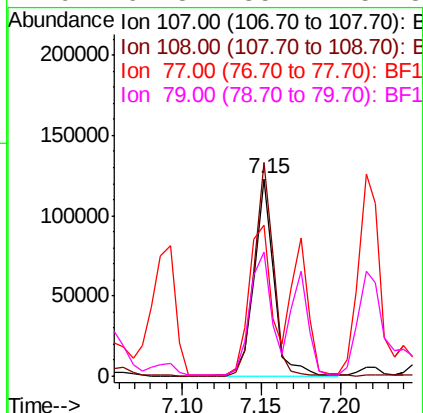
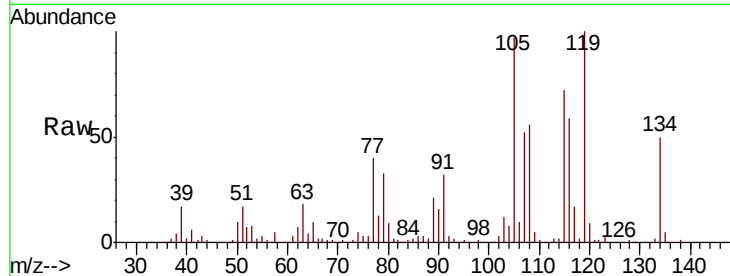




#17
2-Methylphenol
Concen: 13.052 ng
RT: 7.15 min Scan# 861
Delta R.T. 0.01 min
Lab File: BF118010.D
Acq: 26 Nov 2019 16:37

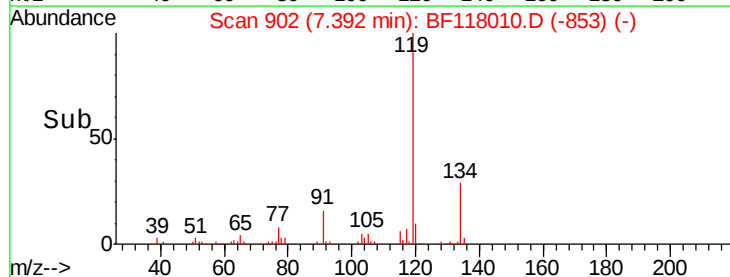
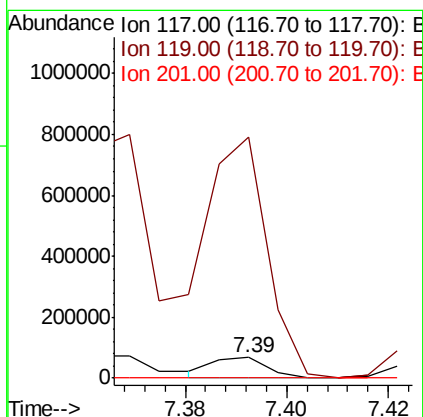
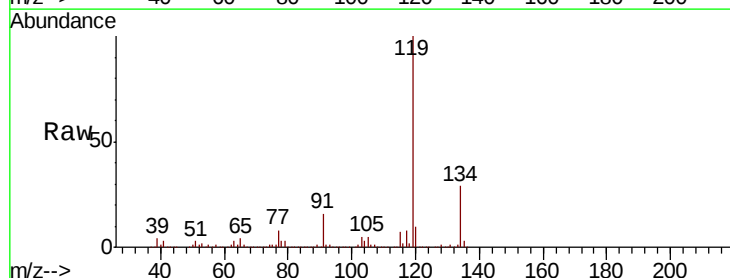
Instrument :
BNA_F
ClientSampleId :

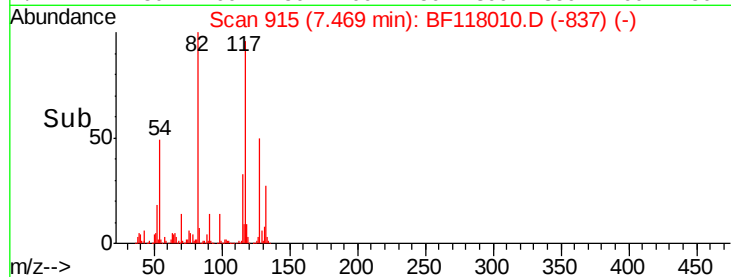
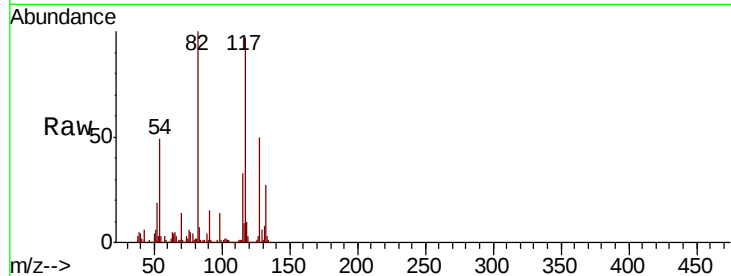
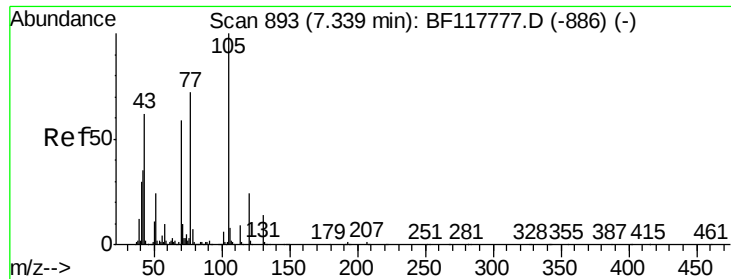
Tot Ion	Ratio	Lower	Upper
107	100		
108	108.0	89.1	133.7
77	76.3	36.6	54.8#
79	62.8	35.2	52.8#



#18
Hexachloroethane
Concen: 12.282 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF118010.D
Acq: 26 Nov 2019 16:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	1181.7	78.7	118.1#
201	0.0	86.5	129.7#

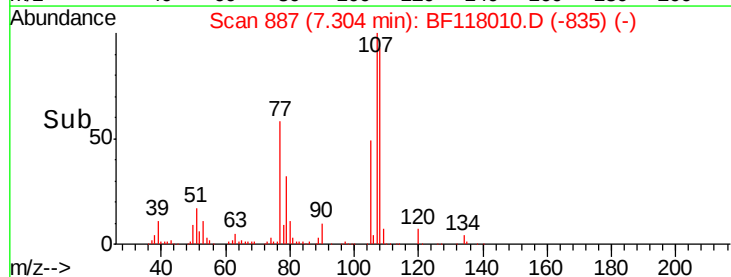
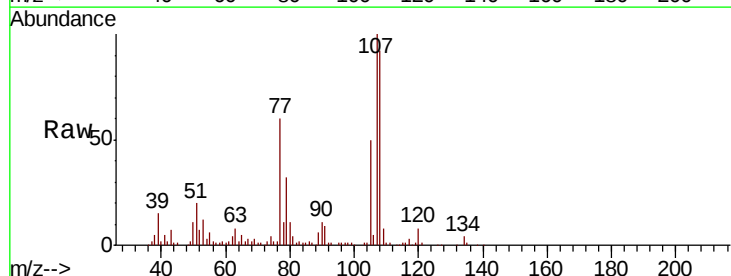
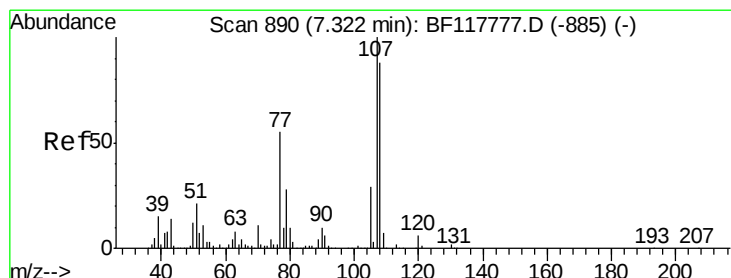
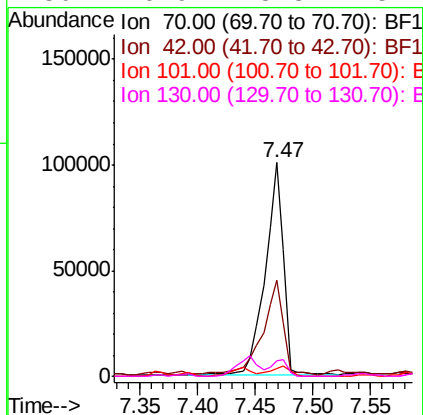




#19
n-Nitroso-di-n-propylamine
Concen: 16.812 ng
RT: 7.47 min Scan# 915
Delta R.T. 0.16 min
Lab File: BF118010.D
Acq: 26 Nov 2019 16:37

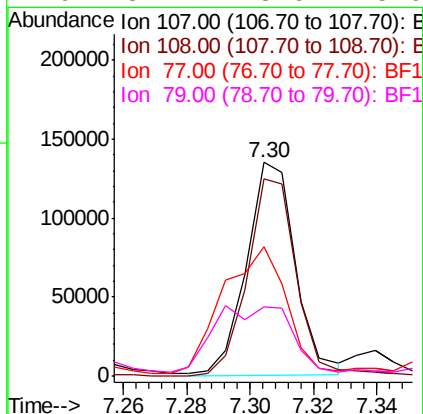
Instrument :
BNA_F
ClientSampleId :

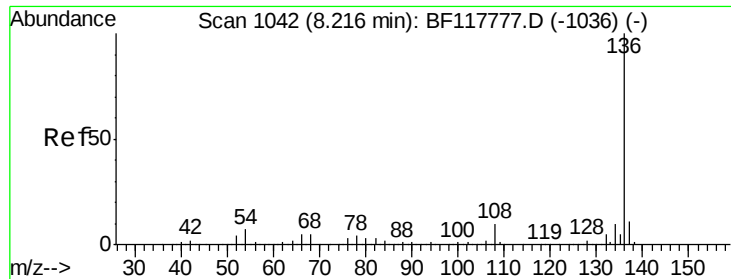
Tot Ion	Ratio	Lower	Upper
70	100		
42	45.0	47.4	71.2#
101	3.9	8.4	12.6#
130	6.9	18.8	28.2#



#20
3+4-Methylphenols
Concen: 14.188 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.01 min
Lab File: BF118010.D
Acq: 26 Nov 2019 16:37

Tgt Ion	Ratio	Lower	Upper
107	100		
108	92.4	68.4	108.4
77	60.2	35.2	75.2
79	32.4	8.6	48.6

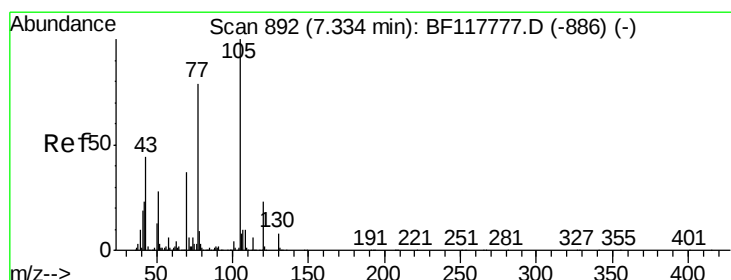
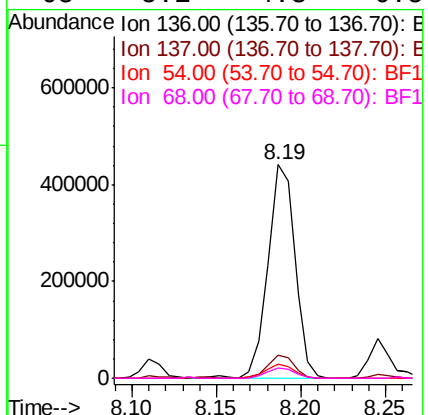
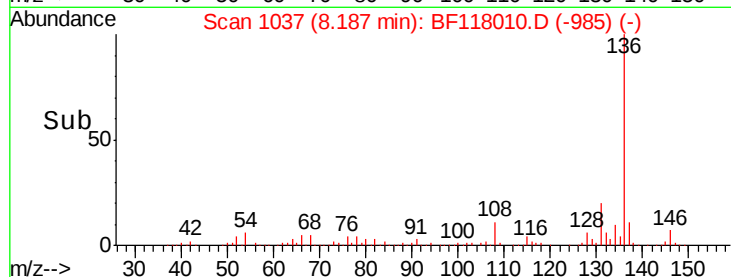
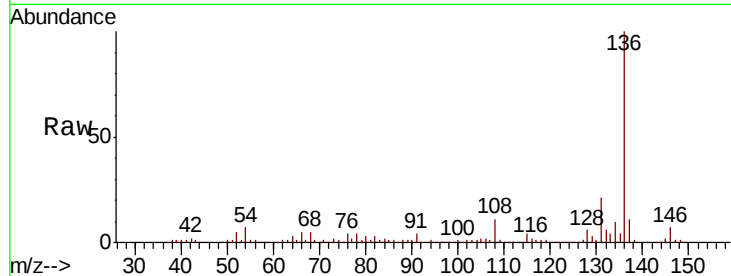




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF118010.D
Acq: 26 Nov 2019 16:37

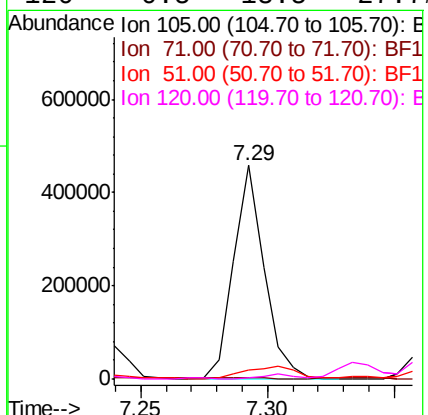
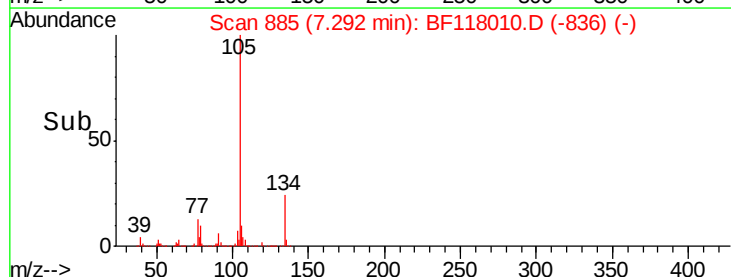
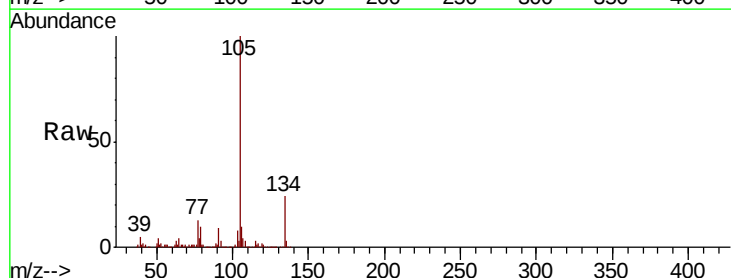
Instrument :
BNA_F
ClientSampleId :

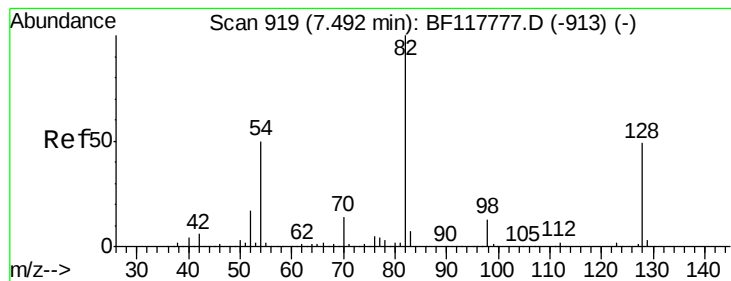
Tot Ion:136	Resp:	492285
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.0 13.4
54	6.6	5.4 8.2
68	5.1	4.3 6.5



#22
Acetophenone
Concen: 34.565 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF118010.D
Acq: 26 Nov 2019 16:37

Tgt Ion:105	Resp:	382298
Ion Ratio	Lower	Upper
105	100	
71	0.5	4.9 7.3#
51	4.2	22.7 34.1#
120	0.5	18.5 27.7#





#23

Nitrobenzene-d5

Concen: 95.601 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.01 min

Lab File: BF118010.D

Acq: 26 Nov 2019 16:37

Instrument :

BNA_F

ClientSampled :

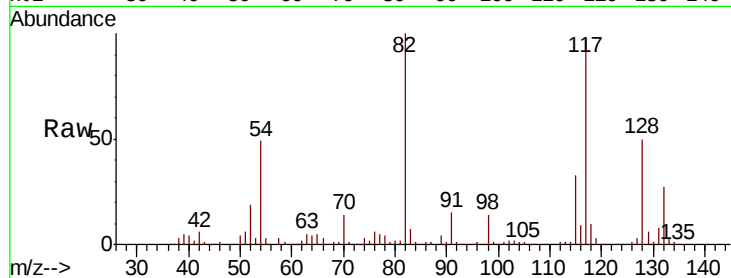
Tot Ion: 82 Resp: 791697

Ion Ratio Lower Upper

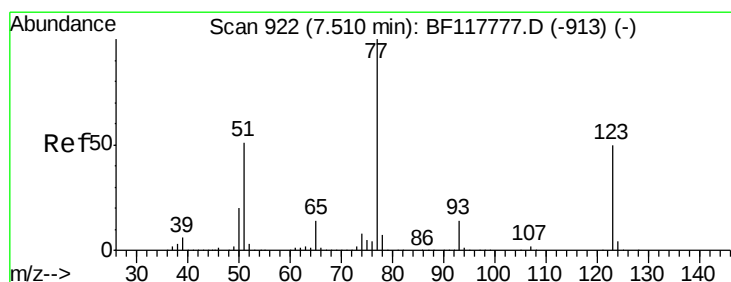
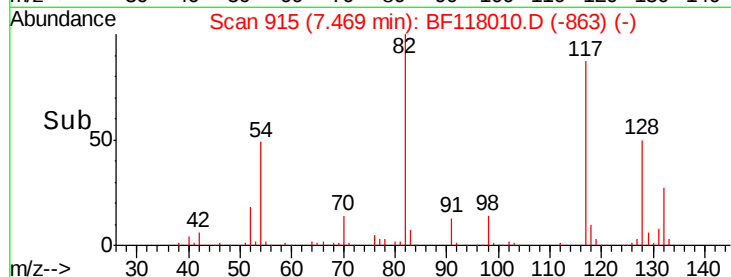
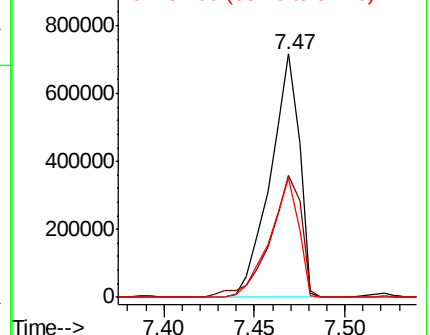
82 100

128 50.0 38.9 58.3

54 48.8 39.8 59.6



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 5.966 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF118010.D

Acq: 26 Nov 2019 16:37

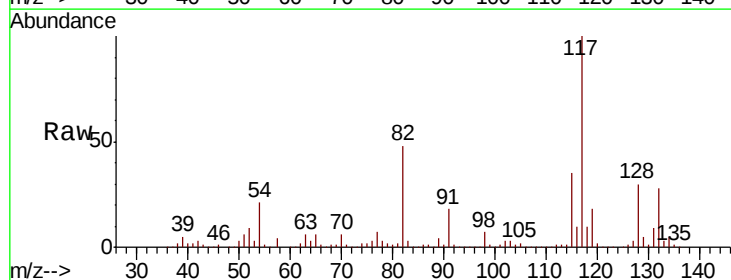
Tgt Ion: 77 Resp: 50967

Ion Ratio Lower Upper

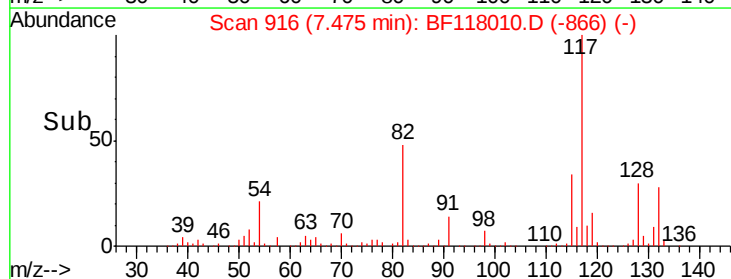
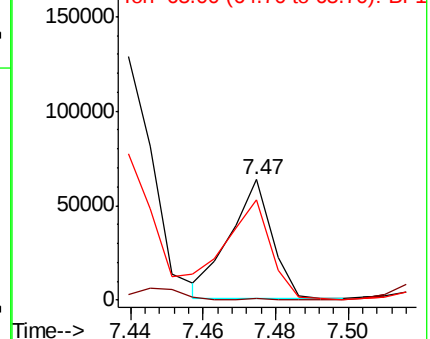
77 100

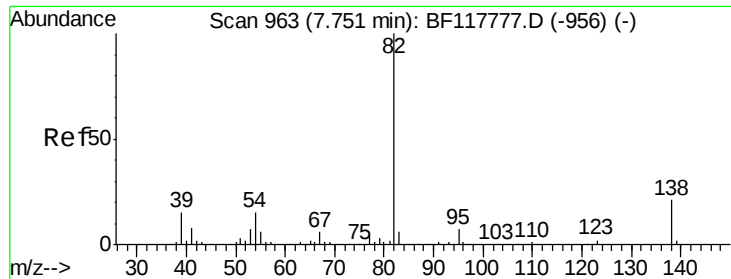
123 0.9 40.3 60.5#

65 83.4 10.9 16.3#



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: 51.881 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.25 min

Lab File: BF118010.D

Acq: 26 Nov 2019 16:37

Instrument :

BNA_F

ClientSampled :

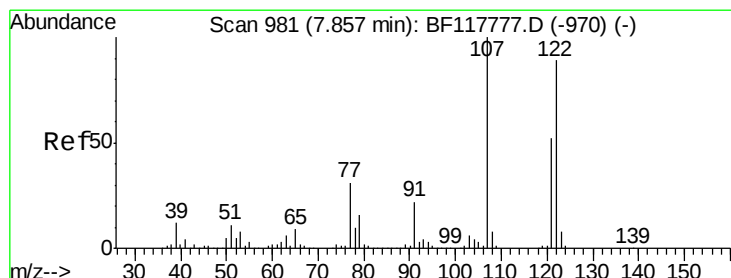
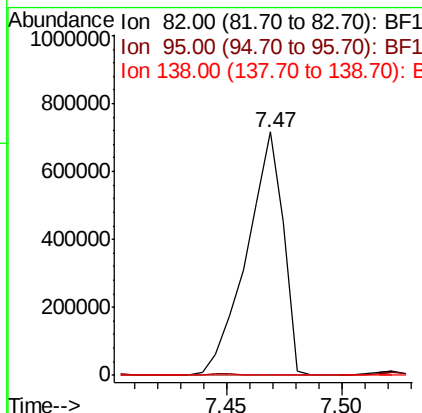
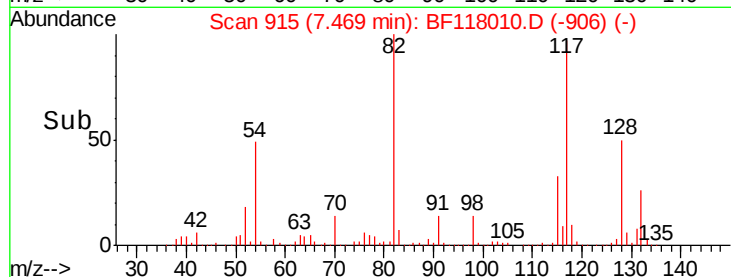
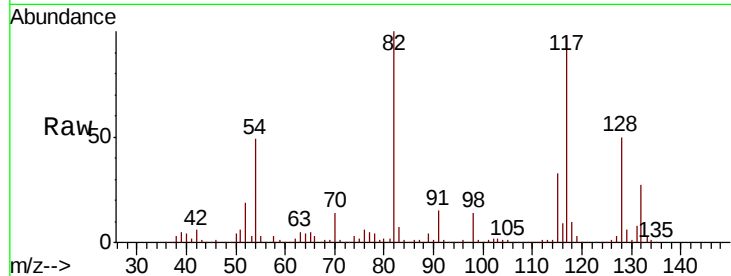
Tot Ion: 82 Resp: 787458

Ion Ratio Lower Upper

82 100

95 0.2 5.8 8.8#

138 0.0 16.5 24.7#



#27

2,4-Dimethylphenol

Concen: 38.126 ng

RT: 7.84 min Scan# 978

Delta R.T. 0.01 min

Lab File: BF118010.D

Acq: 26 Nov 2019 16:37

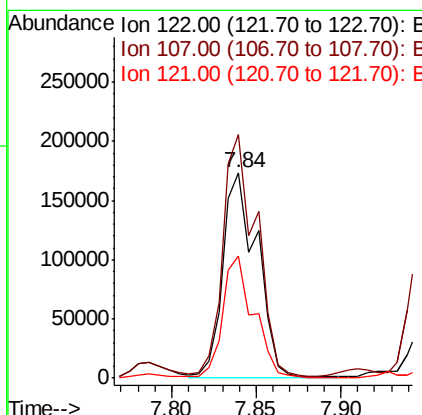
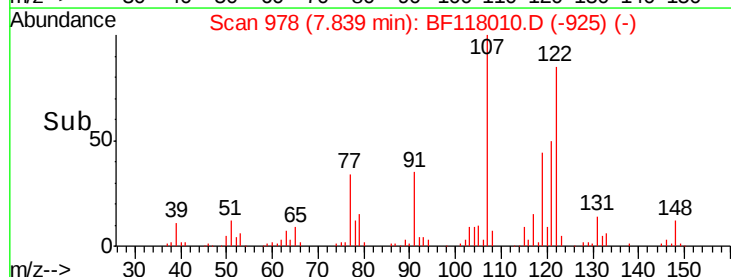
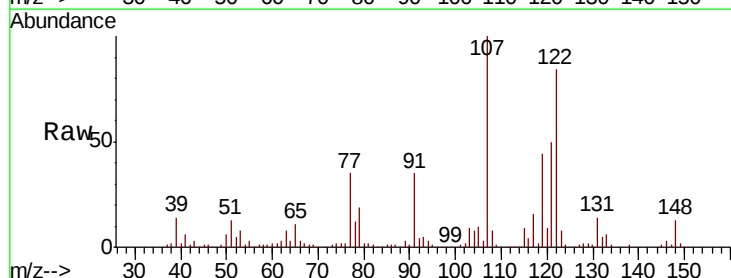
Tgt Ion: 122 Resp: 246344

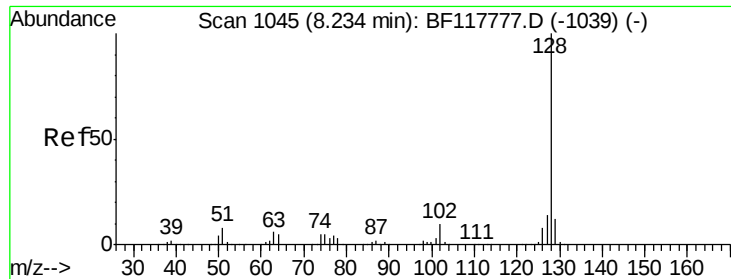
Ion Ratio Lower Upper

122 100

107 118.6 90.0 135.0

121 59.6 46.7 70.1

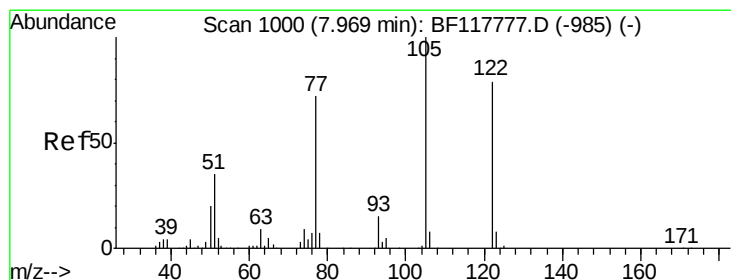
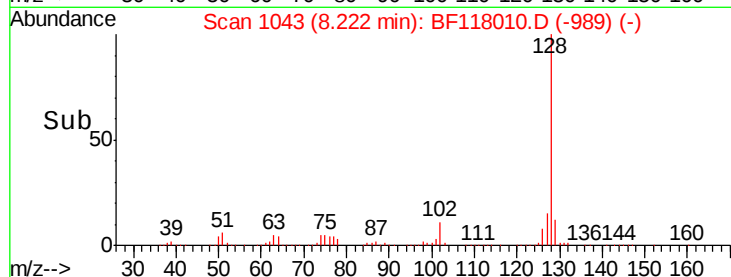
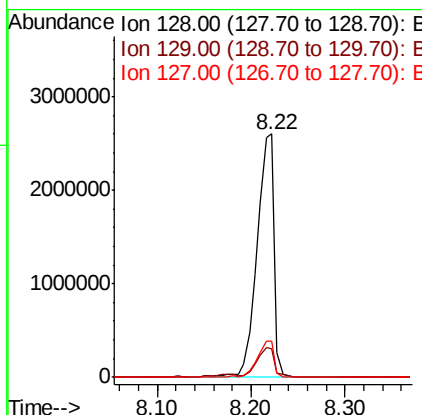
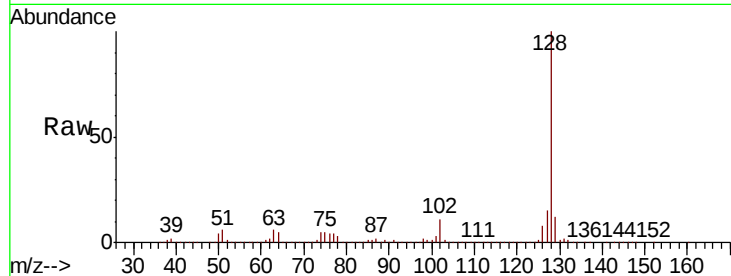




#31
Naphthalene
Concen: 141.918 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.02 min
Lab File: BF118010.D
Acq: 26 Nov 2019 16:37

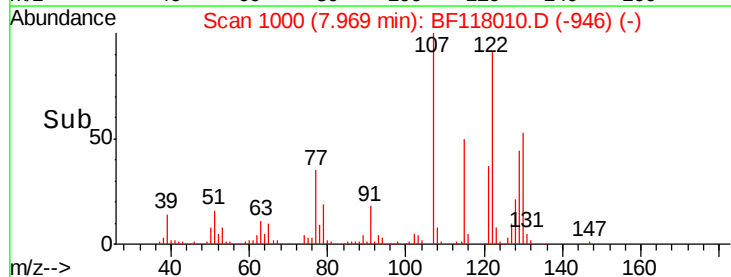
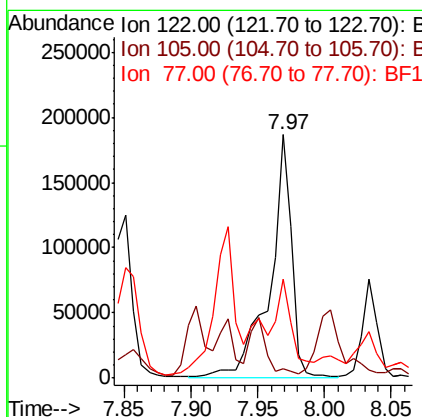
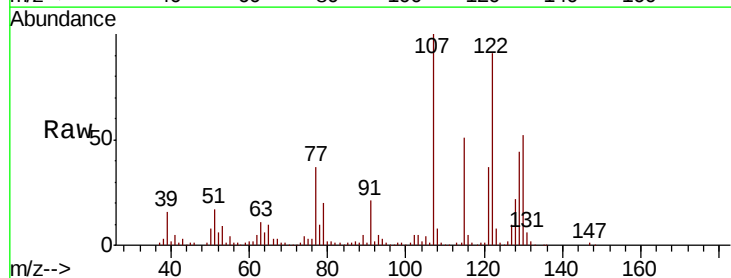
Instrument :
BNA_F
ClientSampleId :

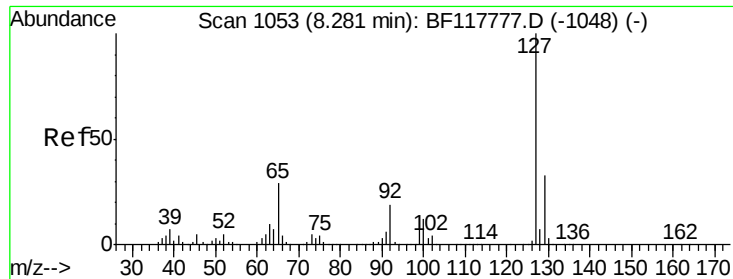
Tot Ion:128 Resp: 3256986
Ion Ratio Lower Upper
128 100
129 11.9 9.5 14.3
127 14.8 11.3 16.9



#32
Benzoic acid
Concen: 39.303 ng
RT: 7.97 min Scan# 1000
Delta R.T. 0.02 min
Lab File: BF118010.D
Acq: 26 Nov 2019 16:37

Tgt Ion:122 Resp: 212636
Ion Ratio Lower Upper
122 100
105 4.1 102.7 142.7#
77 40.6 70.5 110.5#

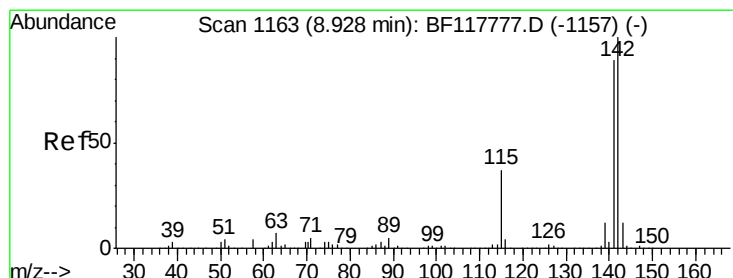
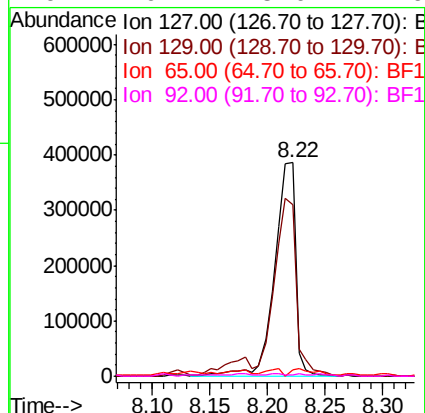
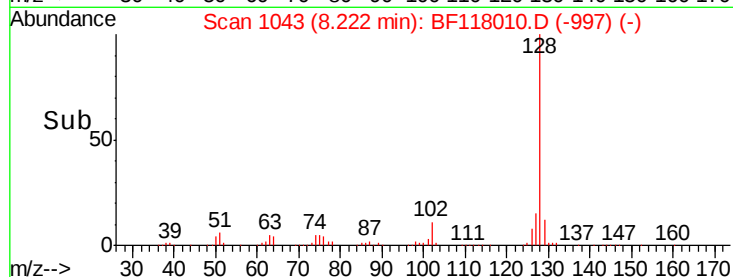
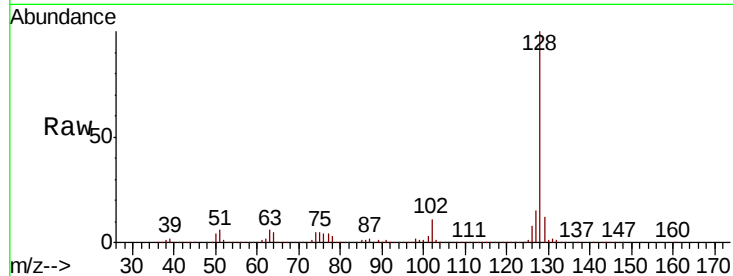




#33
4-Chloroaniline
Concen: 47.529 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BF118010.D
Acq: 26 Nov 2019 16:37

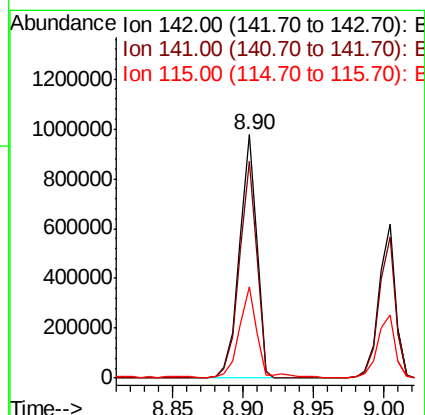
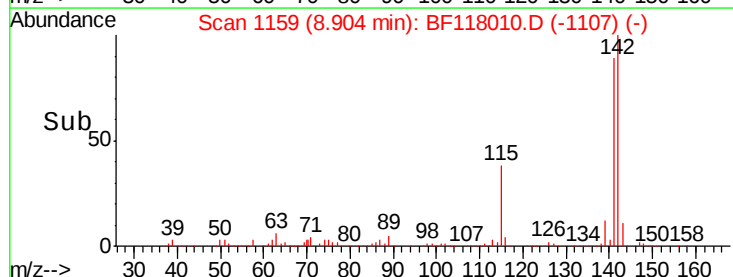
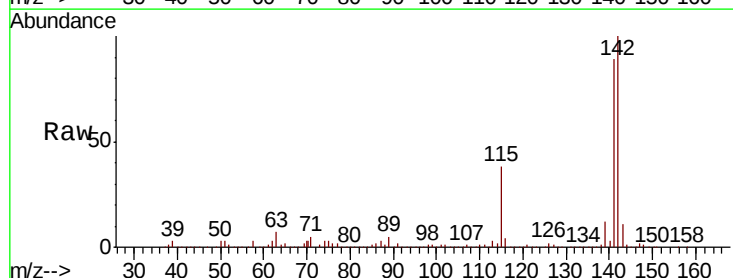
Instrument :
BNA_F
ClientSampleId :

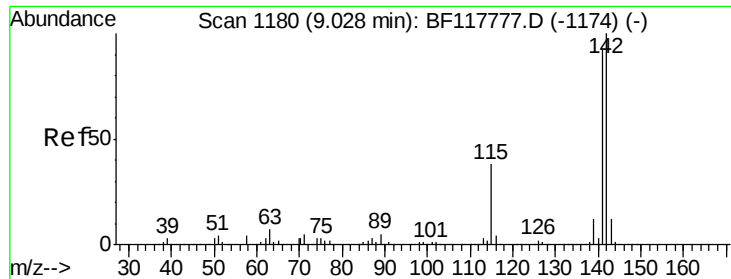
Tot Ion:	127	Resp:	488319
Ion	Ratio	Lower	Upper
127	100		
129	80.1	26.5	39.7#
65	3.3	22.9	34.3#
92	0.7	15.0	22.6#



#37
2-Methylnaphthalene
Concen: 53.628 ng
RT: 8.90 min Scan# 1159
Delta R.T. 0.01 min
Lab File: BF118010.D
Acq: 26 Nov 2019 16:37

Tgt Ion:	142	Resp:	831579
Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.1	106.7
115	37.6	29.2	43.8

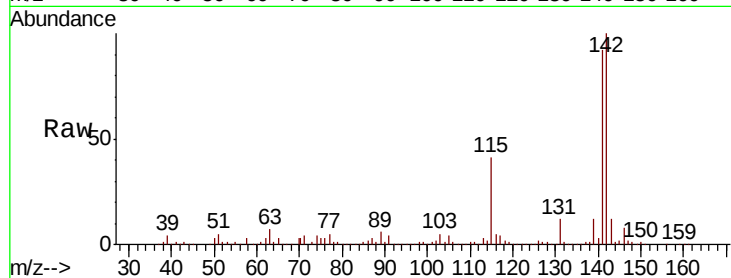




#38
1-Methylnaphthalene
Concen: 34.247 ng
RT: 9.00 min Scan# 1176
Delta R.T. 0.01 min
Lab File: BF118010.D
Acq: 26 Nov 2019 16:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.5	110.3
116	4.7	3.2	4.8

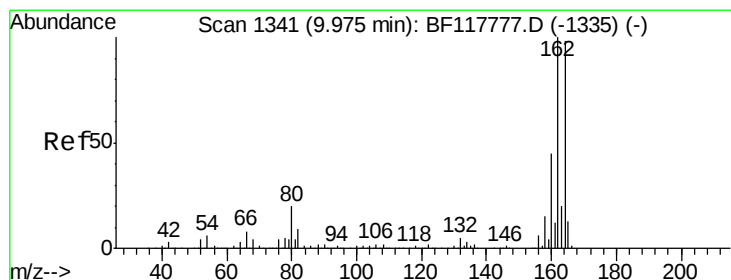
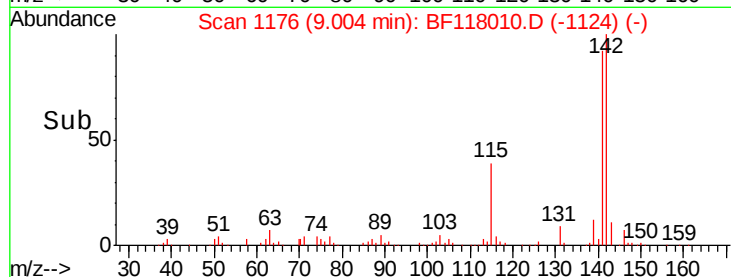
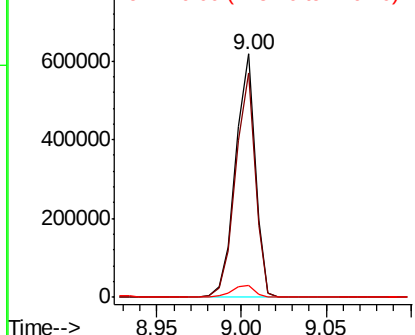


Abundance

Ion 142.00 (141.70 to 142.70): E

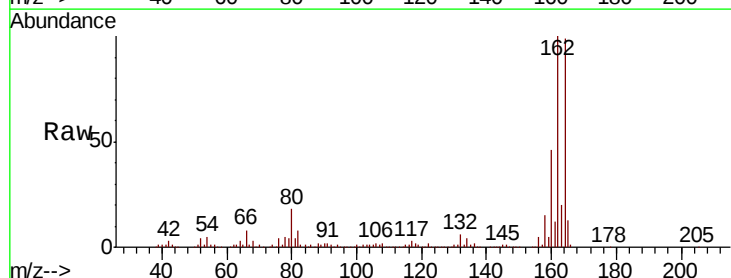
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BF118010.D
Acq: 26 Nov 2019 16:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.3	121.9
160	46.2	36.6	55.0

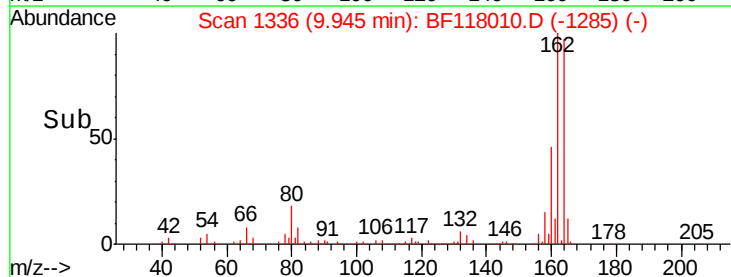
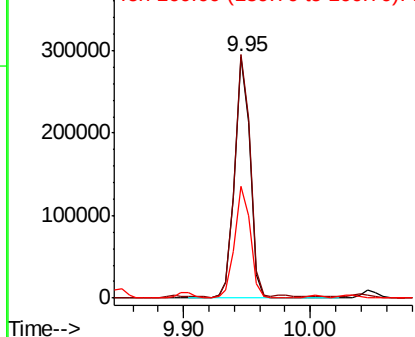


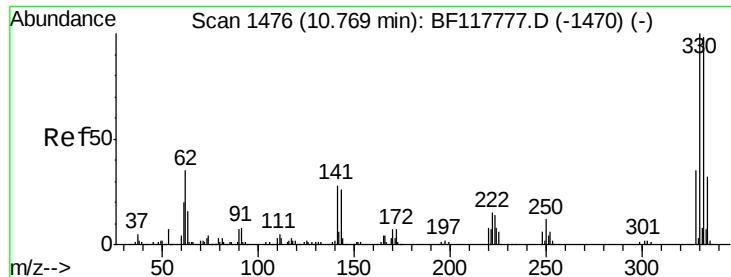
Abundance

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

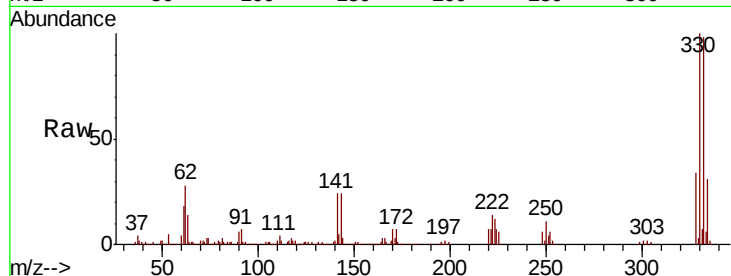




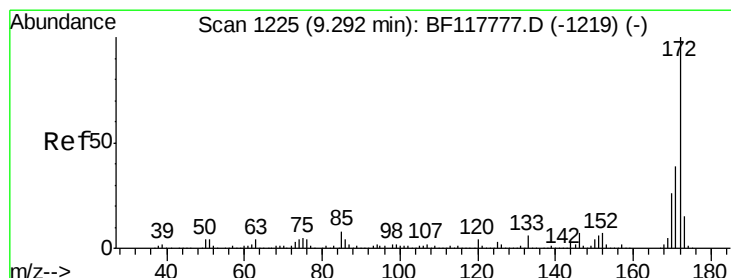
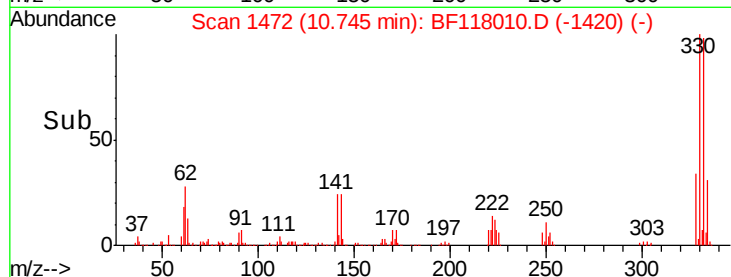
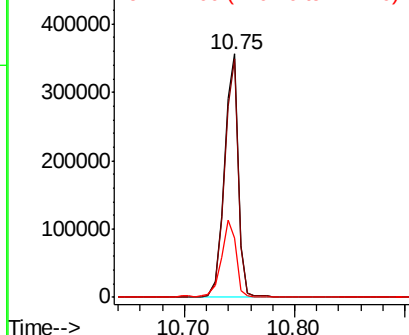
#42
 2,4,6-Tribromophenol
 Concen: 122.587 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. 0.01 min
 Lab File: BF118010.D
 Acq: 26 Nov 2019 16:37

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.7	115.1
141	33.2	27.7	41.5

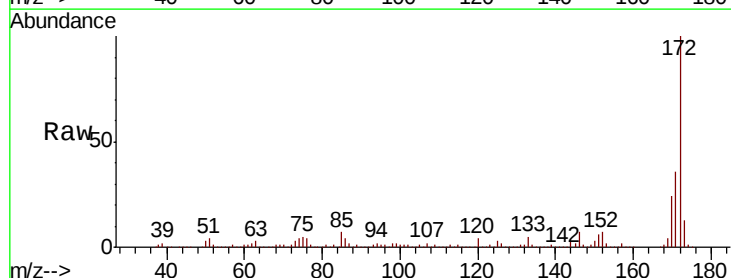


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

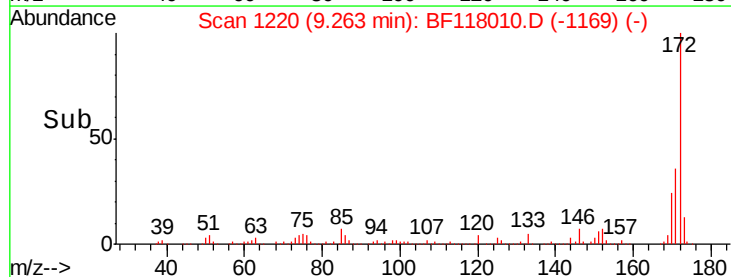
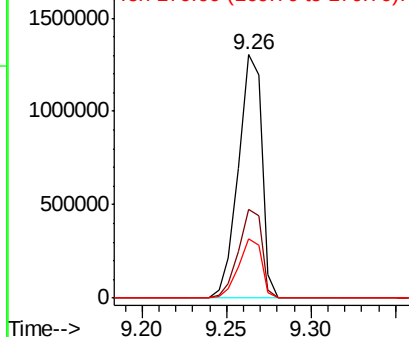


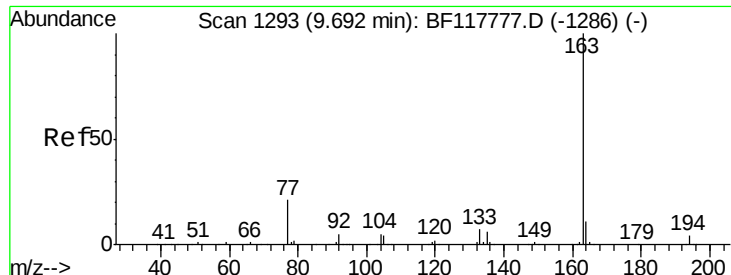
#45
 2-Fluorobiphenyl
 Concen: 94.048 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: BF118010.D
 Acq: 26 Nov 2019 16:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.9	46.3
170	24.4	21.0	31.4



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

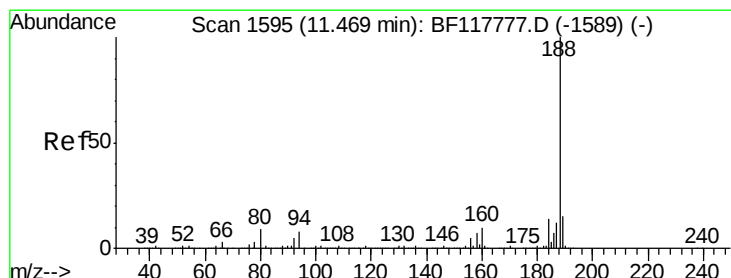
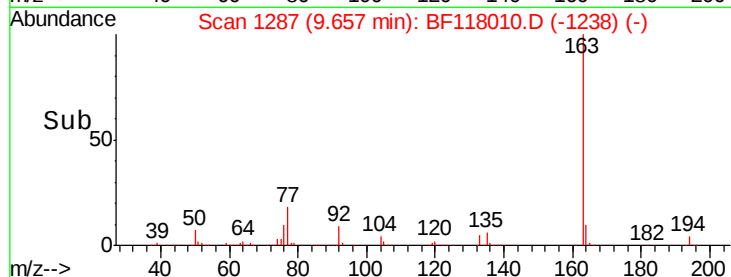
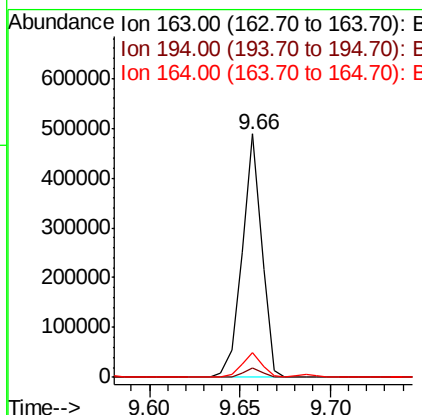
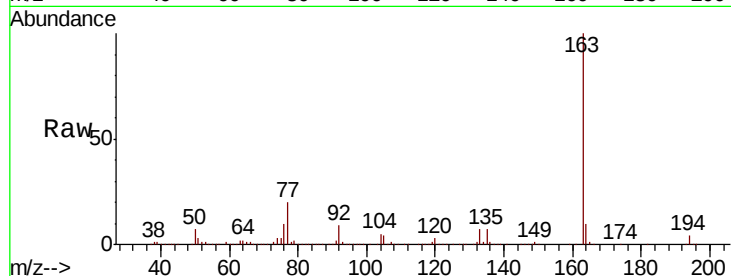




#50
Dimethylphthalate
Concen: 21.523 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BF118010.D
Acq: 26 Nov 2019 16:37

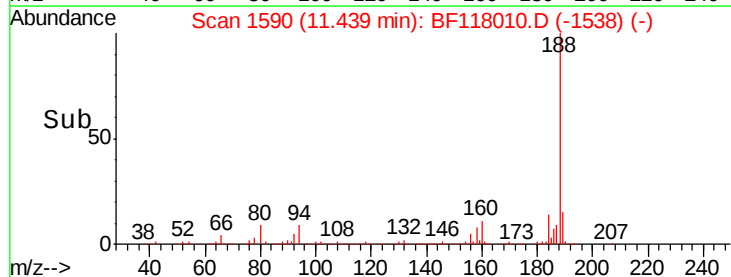
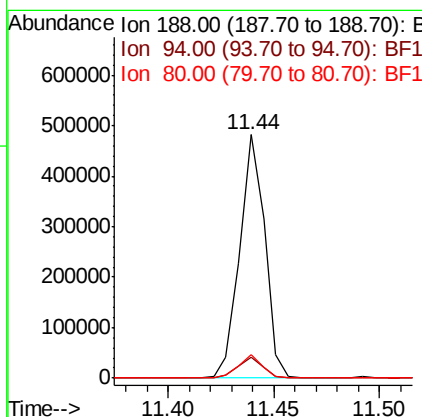
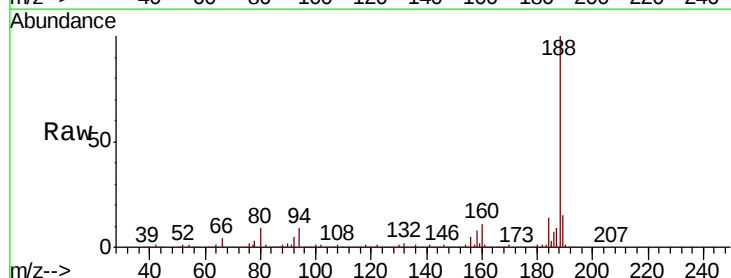
Instrument :
BNA_F
ClientSampleId :

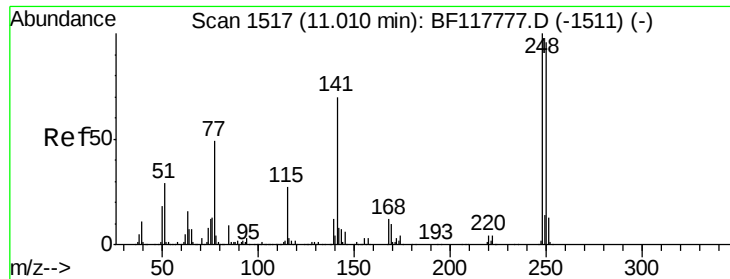
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.3	4.9
164	10.4	8.7	13.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BF118010.D
Acq: 26 Nov 2019 16:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.6	10.0
80	9.5	7.2	10.8

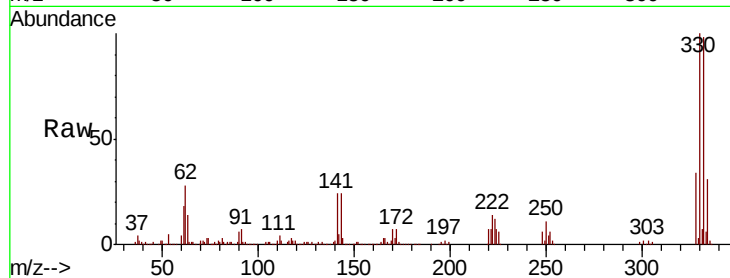




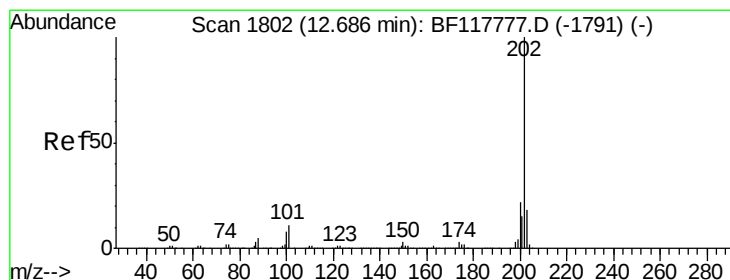
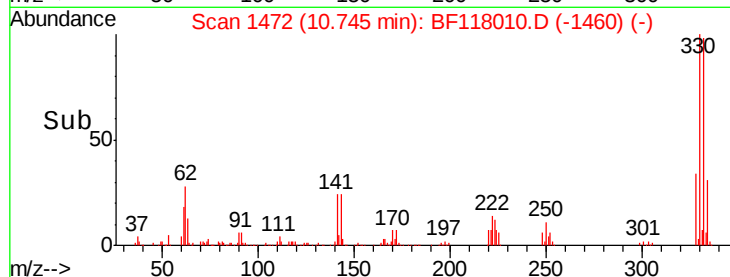
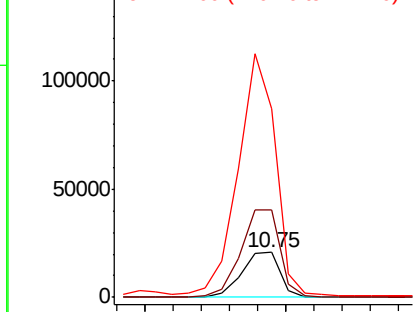
#67
4-Bromophenyl-phenylether
Concen: 4.611 ng
RT: 10.75 min Scan# 1472
Delta R.T. -0.23 min
Lab File: BF118010.D
Acq: 26 Nov 2019 16:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 19669
Ion Ratio Lower Upper
248 100
250 193.0 76.6 115.0#
141 417.2 55.9 83.9#

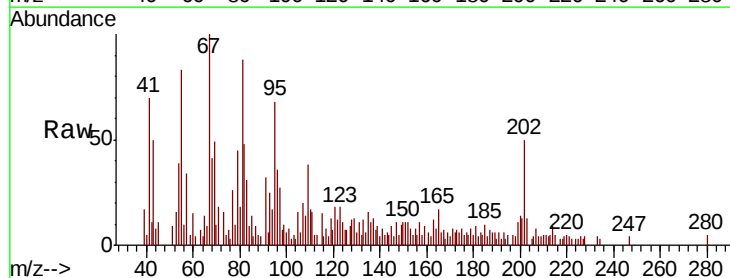


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

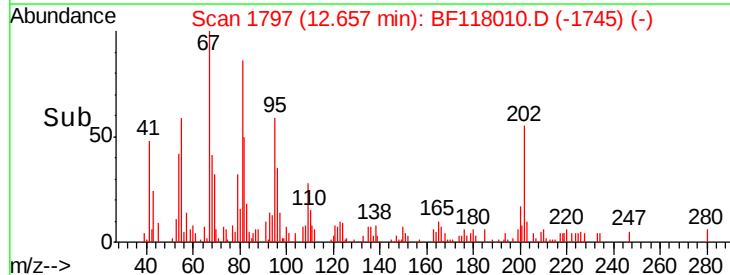
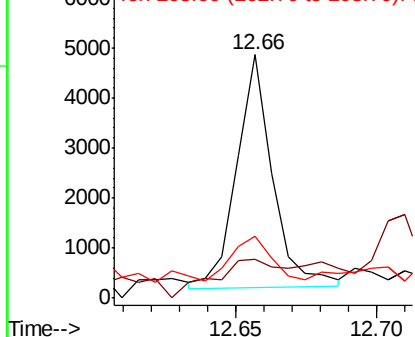


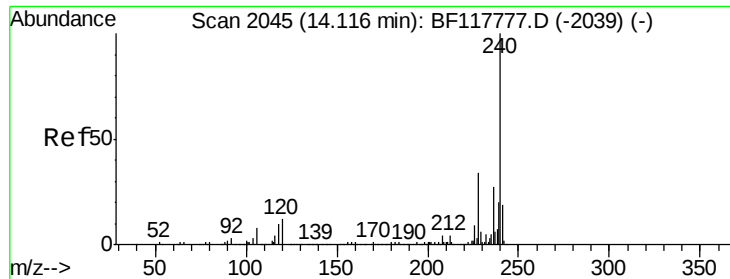
#75
Fluoranthene
Concen: Below Cal
RT: 12.66 min Scan# 1797
Delta R.T. 0.01 min
Lab File: BF118010.D
Acq: 26 Nov 2019 16:37

Tgt Ion:202 Resp: 4116
Ion Ratio Lower Upper
202 100
101 16.0 0.0 31.1
203 25.5 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

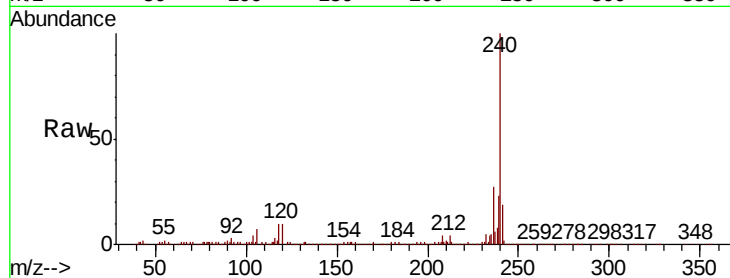




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.09 min Scan# 2041
 Delta R.T. 0.01 min
 Lab File: BF118010.D
 Acq: 26 Nov 2019 16:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	9.5	14.3
236	26.5	21.3	31.9

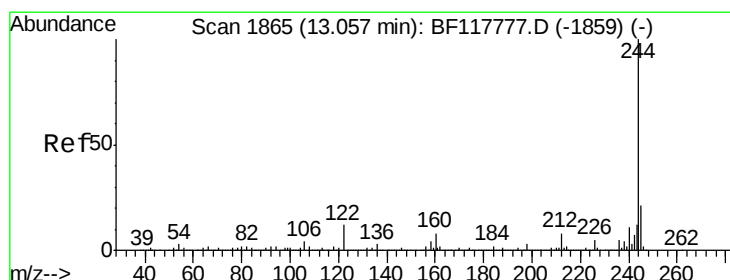
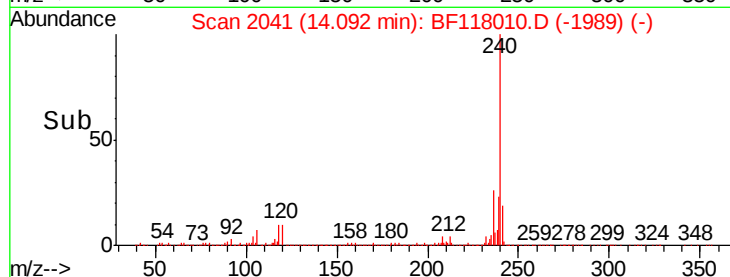
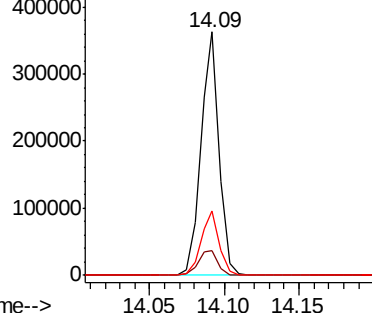


Abundance

Ion 240.00 (239.70 to 240.70): E

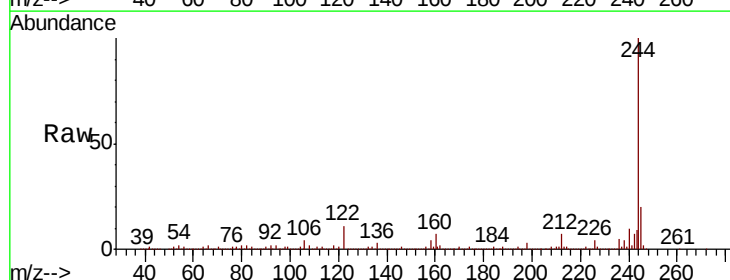
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79
 Terphenyl-d14
 Concen: 80.465 ng
 RT: 13.03 min Scan# 1861
 Delta R.T. 0.01 min
 Lab File: BF118010.D
 Acq: 26 Nov 2019 16:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.3	9.5
122	10.9	9.4	14.2

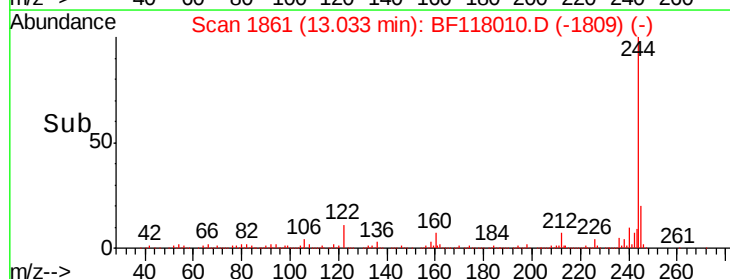
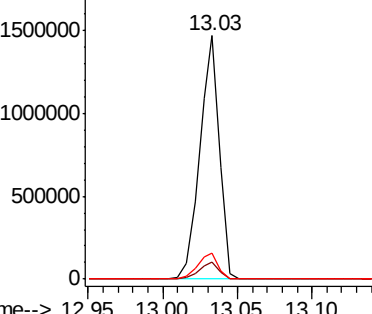


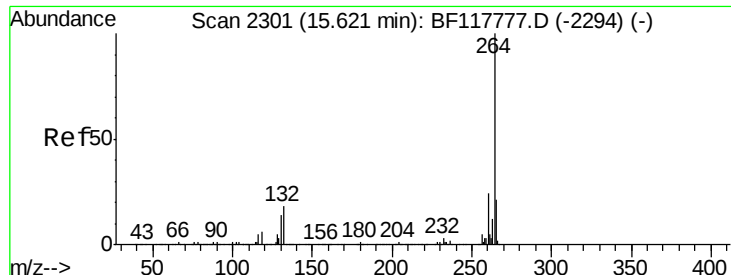
Abundance

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





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.60 min Scan# 2297
Delta R.T. 0.02 min
Lab File: BF118010.D
Acq: 26 Nov 2019 16:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.0
265	22.0	17.1	25.7

