

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\  
 Data File : BF118321.D  
 Acq On : 26 Dec 2019 17:27  
 Operator : JU  
 Sample : K6437-05  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 27 03:24:56 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 24 15:58:52 2019  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	110181	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	433922	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	227714	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	415698	20.00	ng	0.00
76) Chrysene-d12	14.04	240	284570	20.00	ng	-0.01
87) Perylene-d12	15.53	264	314670	20.00	ng	0.00

## System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	666304	103.23	ng	0.00
7) Phenol-d6	6.48	99	851581	106.35	ng	0.00
23) Nitrobenzene-d5	7.41	82	500990	66.04	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	273917	97.41	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1023288	68.60	ng	0.00
79) Terphenyl-d14	12.98	244	1079785	62.95	ng	0.00

## Target Compounds

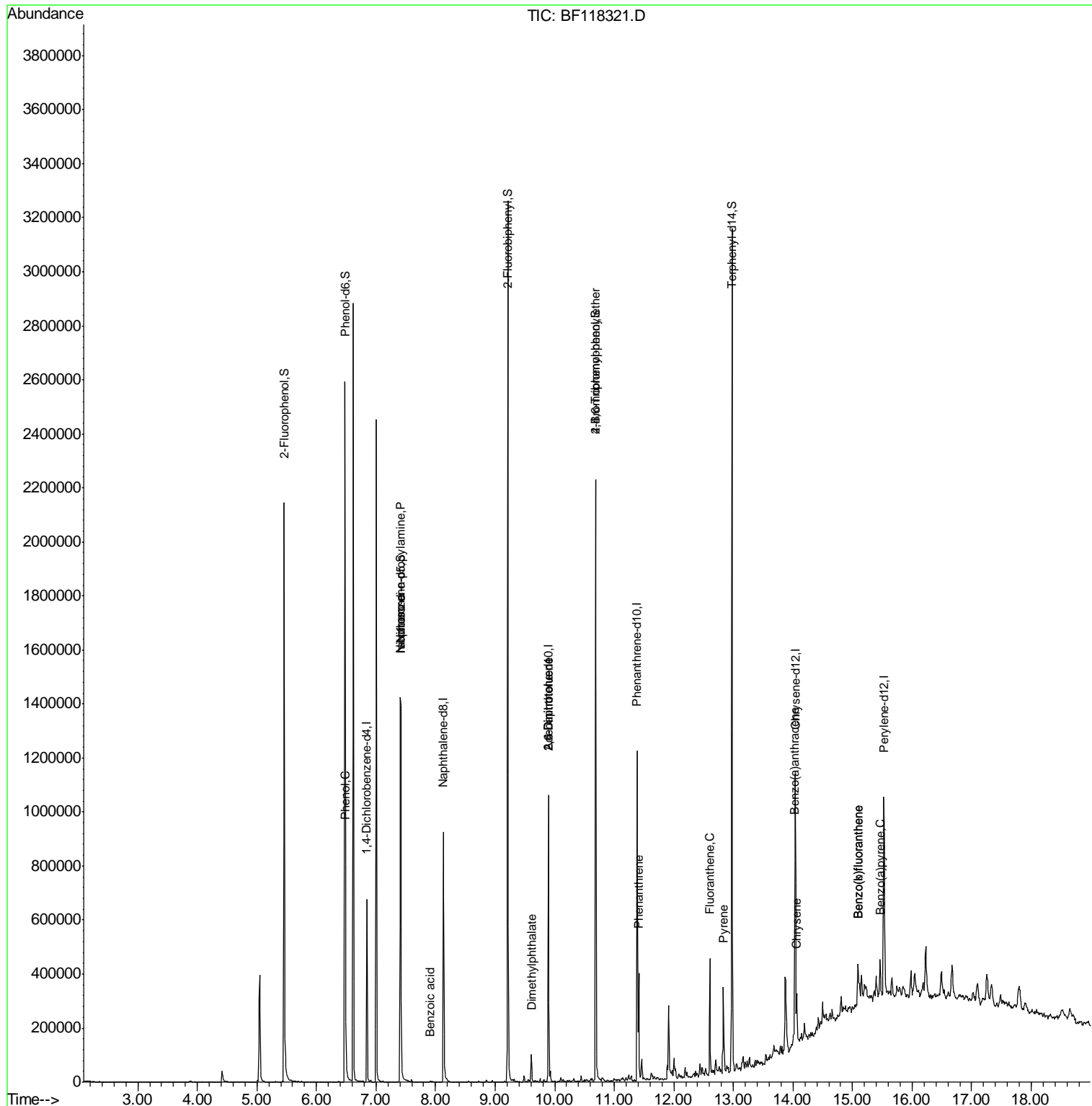
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.49	94	23534	2.615	ng	96
19) n-Nitroso-di-n-propylamine	7.41	70	66939	13.570	ng	# 79
25) Isophorone	7.41	82	500987	37.890	ng	# 62
32) Benzoic acid	7.92	122	1051	5.877	ng	# 65
50) Dimethylphthalate	9.61	163	42758	2.501	ng	100
51) 2,6-Dinitrotoluene	9.89	165	29850	8.100	ng	# 27
57) 2,4-Dinitrotoluene	9.89	165	29850	6.062	ng	# 30
67) 4-Bromophenyl-phenylether	10.69	248	17916	3.683	ng	# 1
71) Phenanthrene	11.41	178	130181	5.745	ng	99
75) Fluoranthene	12.60	202	161333	7.054	ng	98
78) Pyrene	12.84	202	136122	5.858	ng	98
81) Benzo(a)anthracene	14.03	228	71117	3.570	ng	98
83) Chrysene	14.06	228	62794	3.292	ng	96
88) Benzo(b)fluoranthene	15.09	252	105043	5.029	ng	# 94
89) Benzo(k)fluoranthene	15.09	252	105043	5.237	ng	# 95
90) Benzo(a)pyrene	15.46	252	57571	3.129	ng	# 90

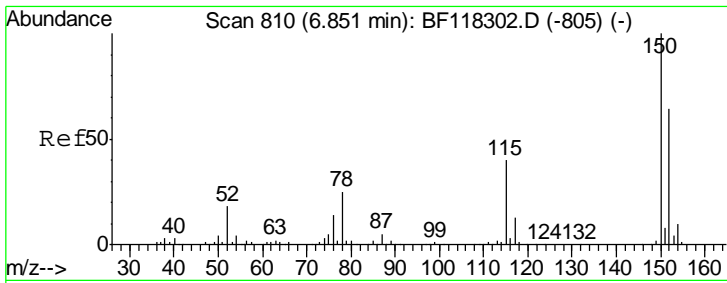
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\  
 Data File : BF118321.D  
 Acq On : 26 Dec 2019 17:27  
 Operator : JU  
 Sample : K6437-05  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 27 03:24:56 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 24 15:58:52 2019  
 Response via : Initial Calibration

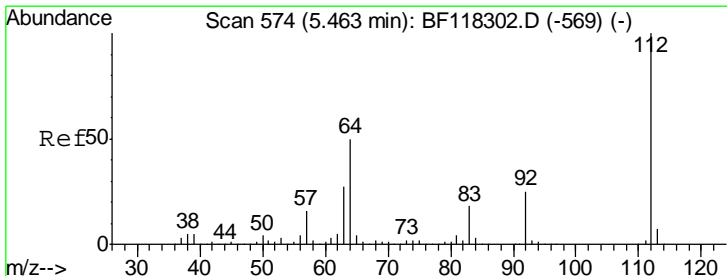
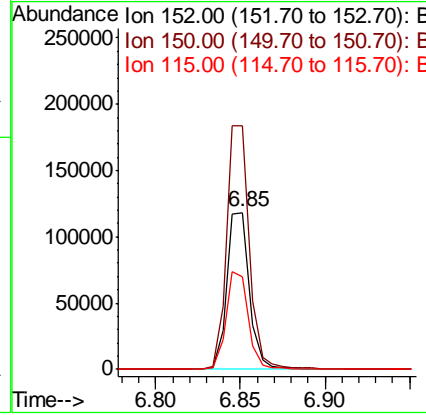
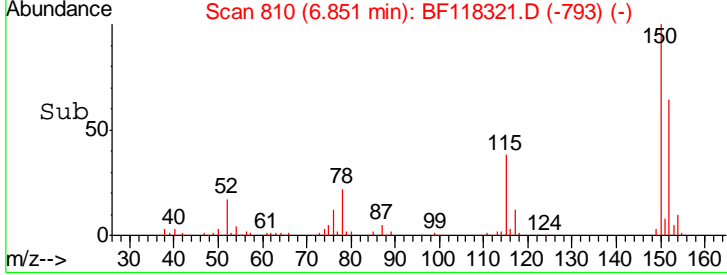
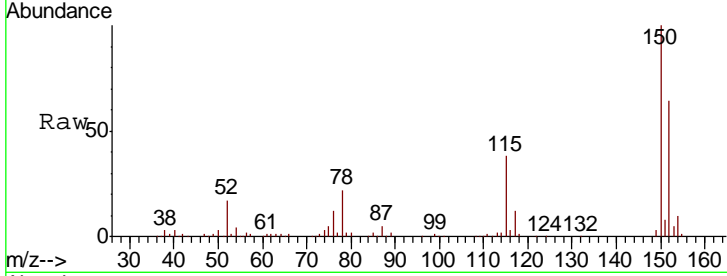




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.85 min Scan# 810  
 Delta R.T. 0.00 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

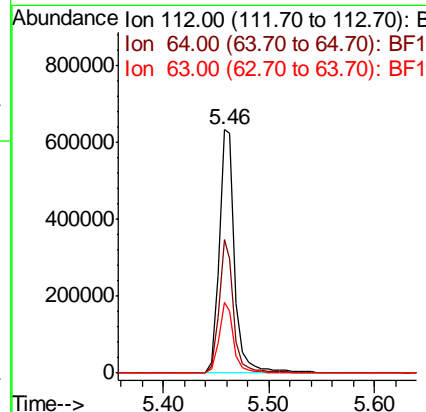
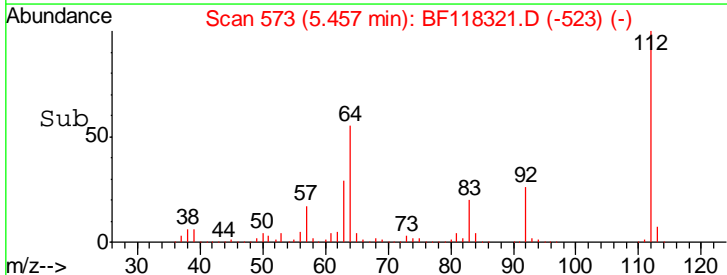
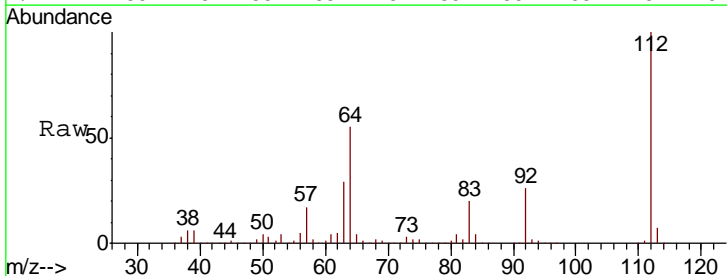
Instrument :  
 BNA\_F  
 ClientSampled :

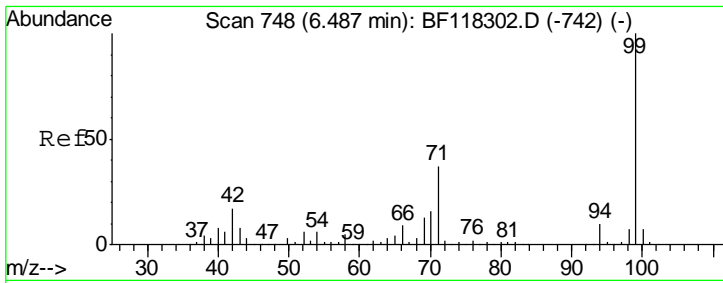
Tgt Ion	Resp	Lower	Upper
152	110181		
150	155.2	125.4	188.2
115	59.4	50.2	75.4



#5  
 2-Fluorophenol  
 Concen: 103.228 ng  
 RT: 5.46 min Scan# 573  
 Delta R.T. -0.01 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

Tgt Ion	Resp	Lower	Upper
112	666304		
64	54.9	39.7	59.5
63	29.1	21.7	32.5

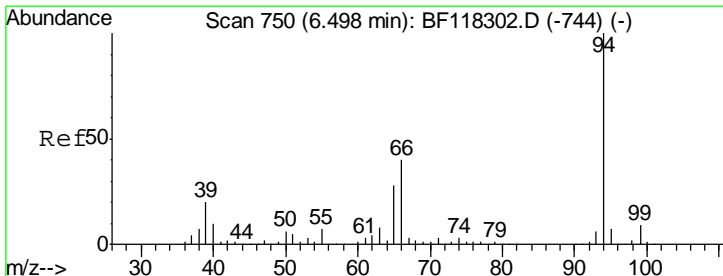
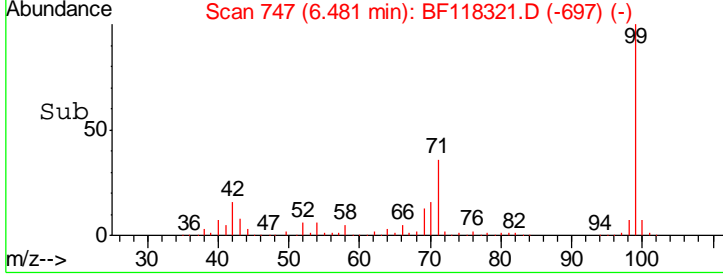
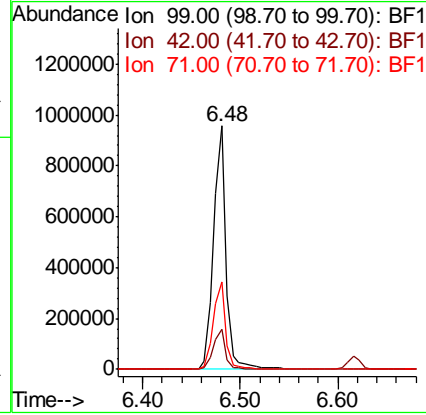
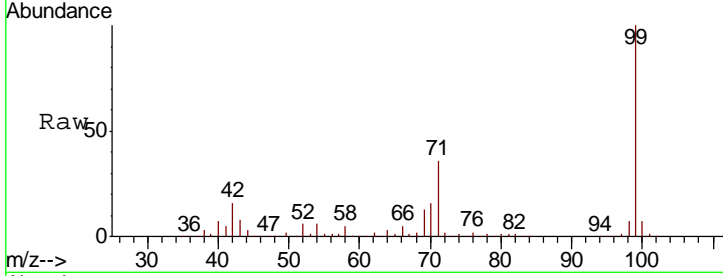




#7  
 Phenol-d6  
 Concen: 106.352 ng  
 RT: 6.48 min Scan# 747  
 Delta R.T. -0.01 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

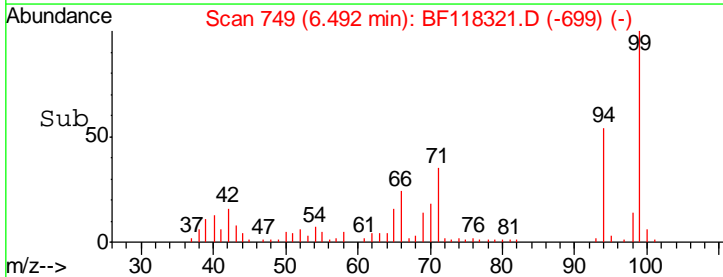
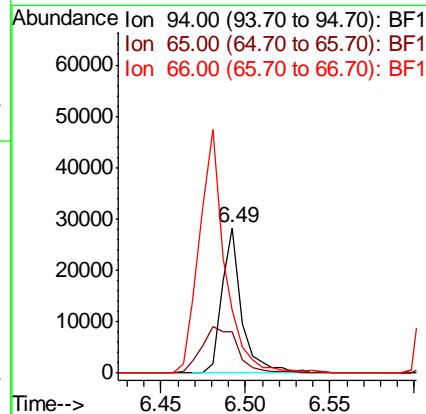
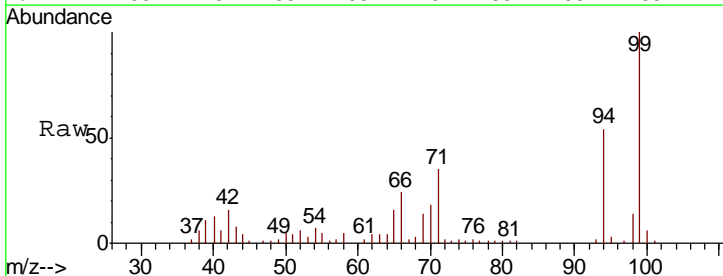
Instrument :  
 BNA\_F  
 ClientSampled :

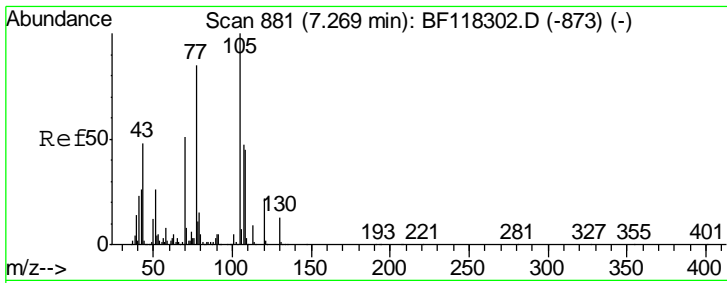
Tgt Ion	Resp	Lower	Upper
99	851581		
42	16.4	13.5	20.3
71	36.1	29.4	44.2



#10  
 Phenol  
 Concen: 2.615 ng  
 RT: 6.49 min Scan# 749  
 Delta R.T. -0.01 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

Tgt Ion	Resp	Lower	Upper
94	23534		
65	28.8	7.8	47.8
66	43.8	20.4	60.4

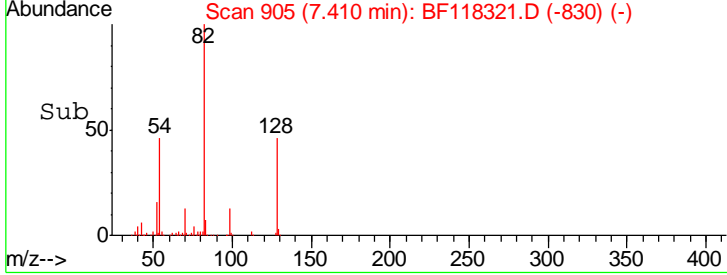
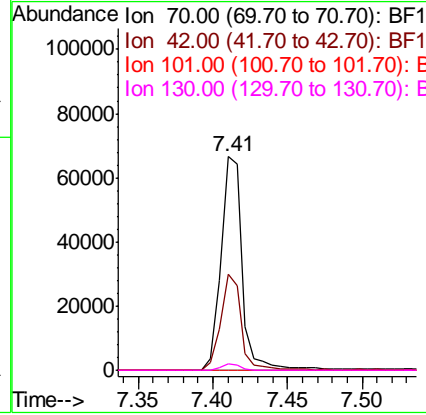
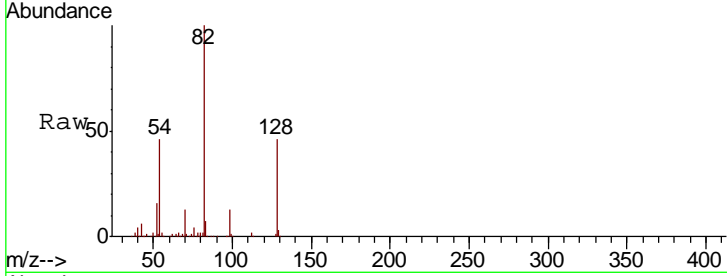




#19  
 n-Nitroso-di-n-propylamine  
 Concen: 13.570 ng  
 RT: 7.41 min Scan# 905  
 Delta R.T. 0.14 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

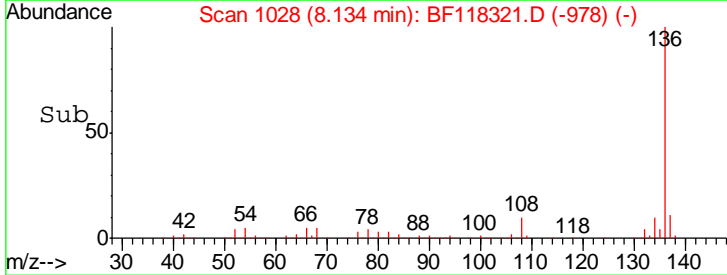
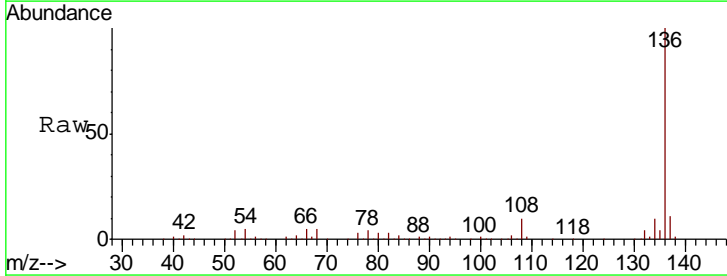
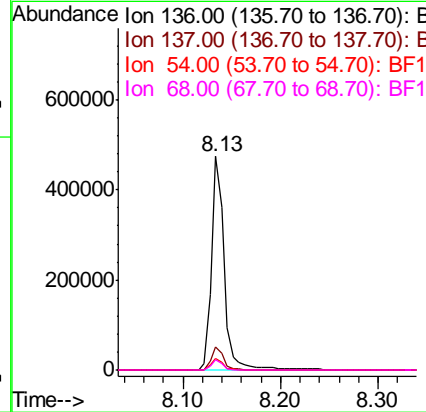
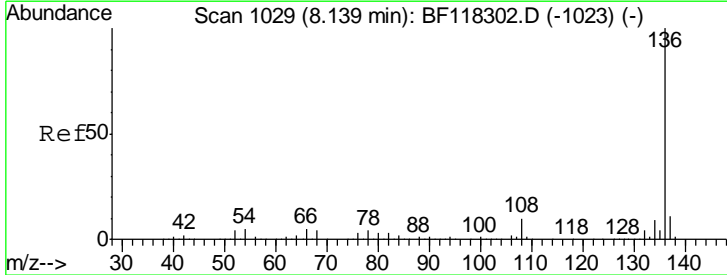
Instrument :  
 BNA\_F  
 ClientSampleId :

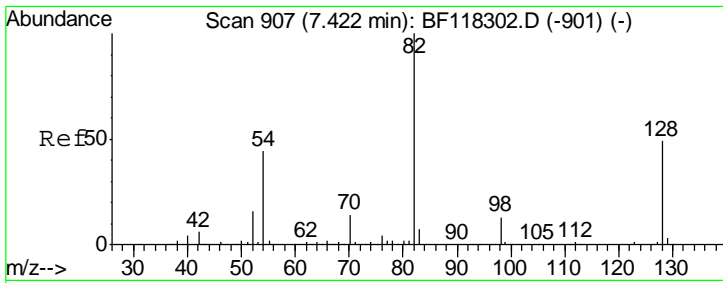
Tgt Ion	Resp	Lower	Upper
70	66939		
70	100		
42	45.1	41.1	61.7
101	0.0	8.3	12.5#
130	2.9	20.1	30.1#



#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 8.13 min Scan# 1028  
 Delta R.T. -0.01 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

Tgt Ion	Resp	Lower	Upper
136	433922		
136	100		
137	11.0	8.9	13.3
54	5.5	4.2	6.4
68	4.6	3.5	5.3

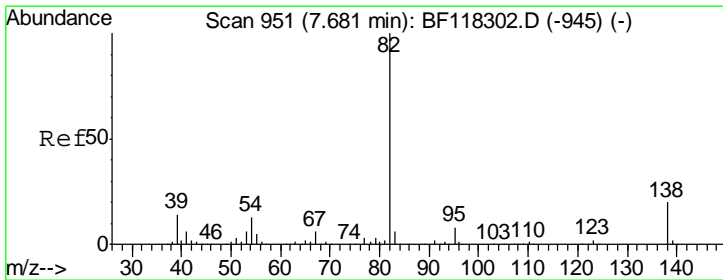
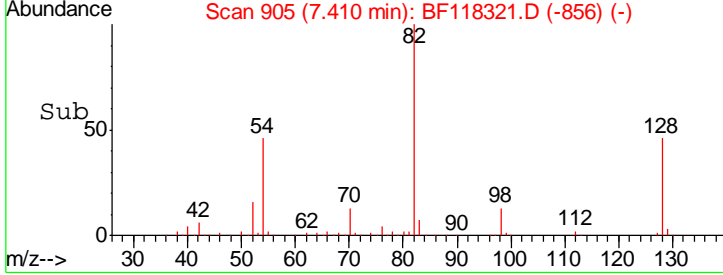
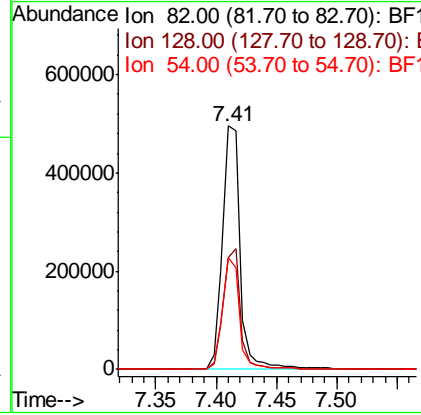
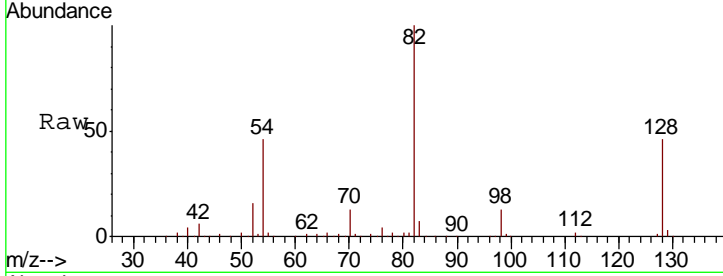




#23  
 Nitrobenzene-d5  
 Concen: 66.035 ng  
 RT: 7.41 min Scan# 905  
 Delta R.T. -0.01 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

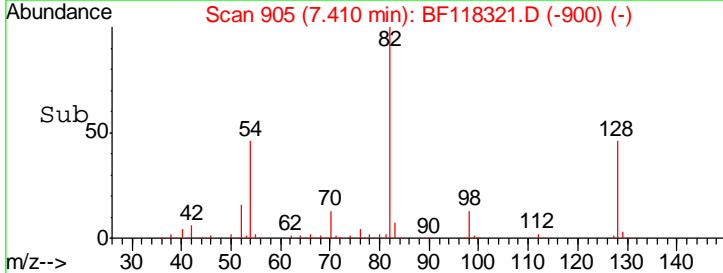
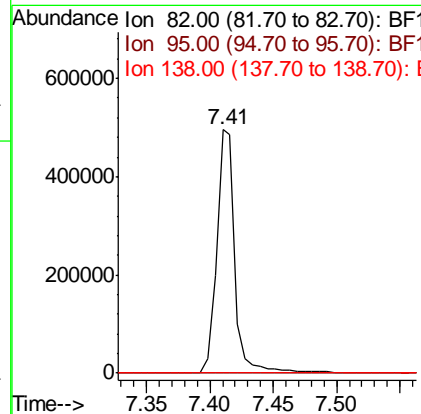
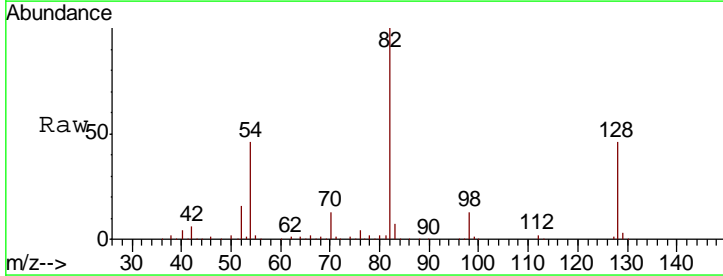
Instrument :  
 BNA\_F  
 ClientSampled :

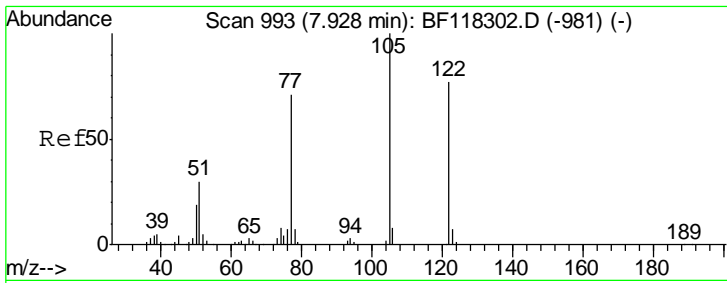
Tgt Ion	Resp	Lower	Upper
82	100		
128	46.0	39.6	59.4
54	45.8	34.9	52.3



#25  
 Isophorone  
 Concen: 37.890 ng  
 RT: 7.41 min Scan# 905  
 Delta R.T. -0.27 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

Tgt Ion	Resp	Lower	Upper
82	100		
95	0.0	6.3	9.5#
138	0.0	16.2	24.2#

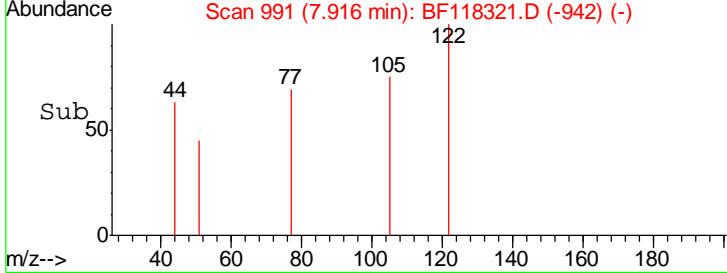
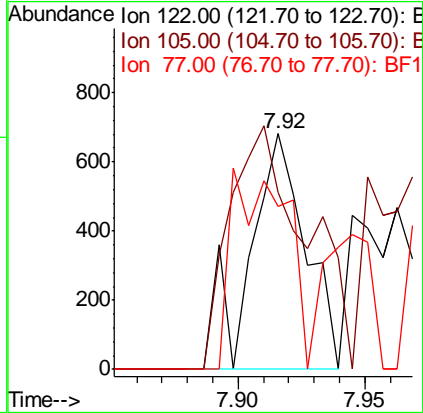
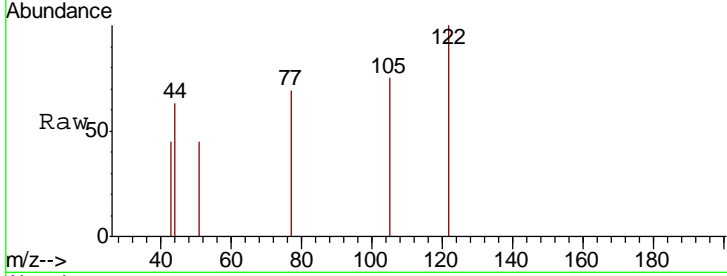




#32  
 Benzoic acid  
 Concen: 5.877 ng  
 RT: 7.92 min Scan# 991  
 Delta R.T. -0.01 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

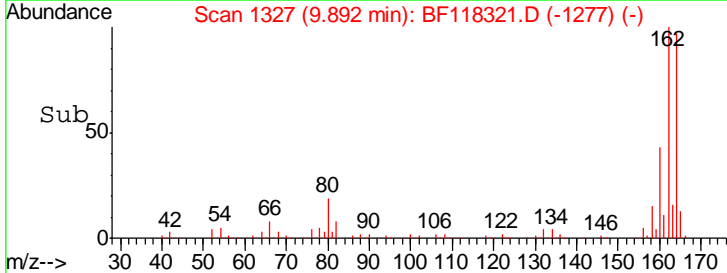
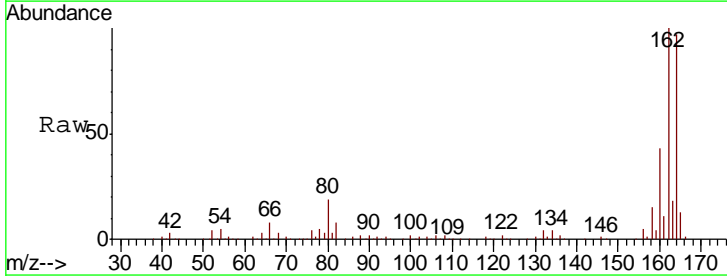
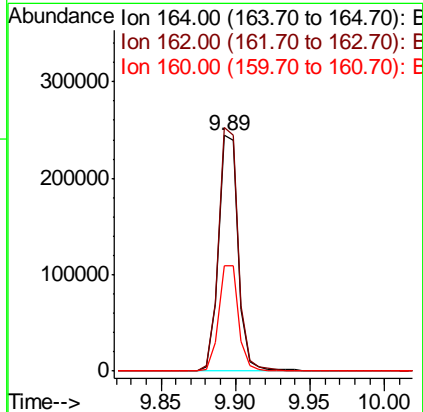
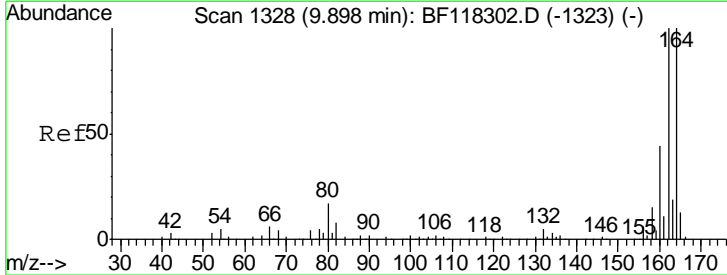
Instrument :  
 BNA\_F  
 ClientSampleID :

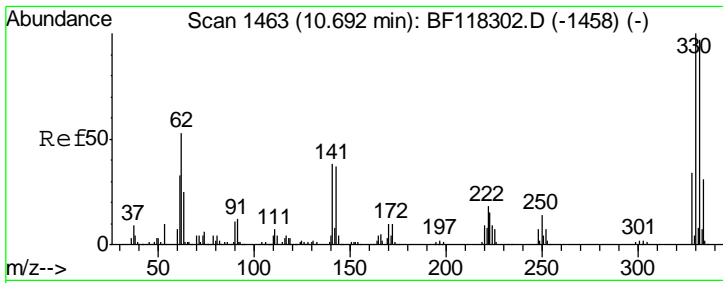
Tgt Ion	Resp	Lower	Upper
122	1051		
105	75.2	106.8	146.8#
77	69.5	70.4	110.4#



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. -0.01 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

Tgt Ion	Resp	Lower	Upper
164	227714		
162	103.2	80.0	120.0
160	44.6	34.8	52.2

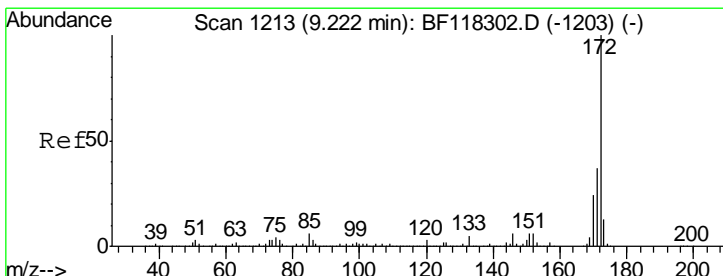
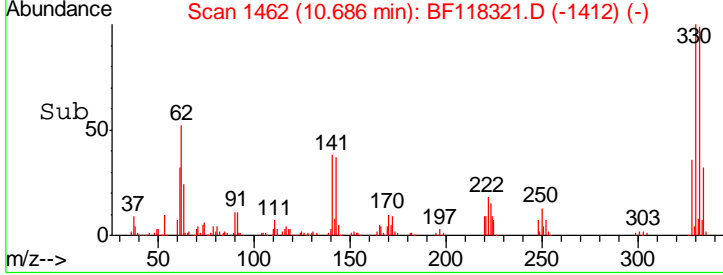
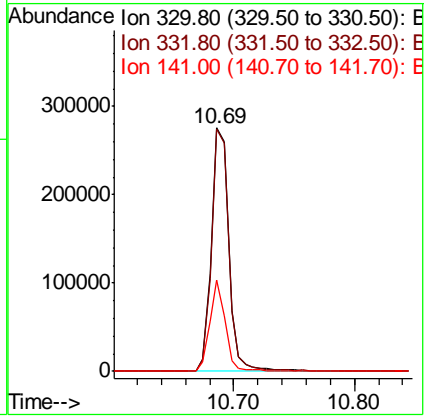
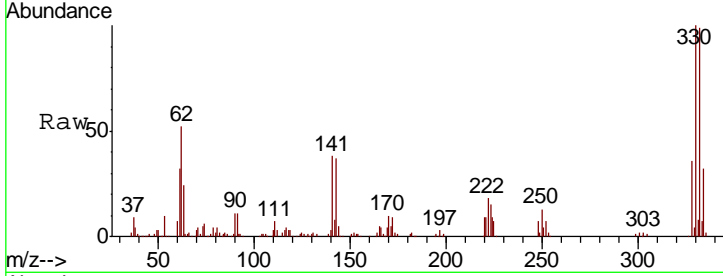




#42  
 2,4,6-Tribromophenol  
 Concen: 97.406 ng  
 RT: 10.69 min Scan# 1462  
 Delta R.T. -0.01 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

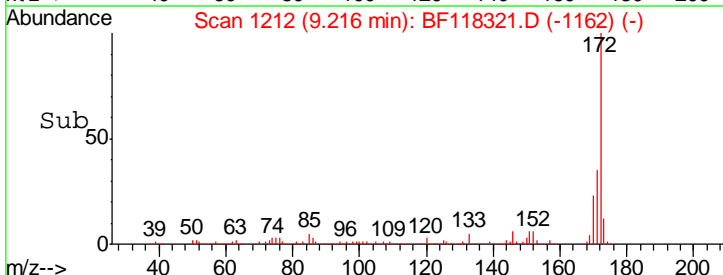
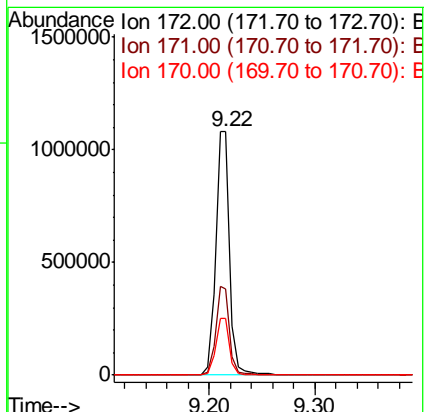
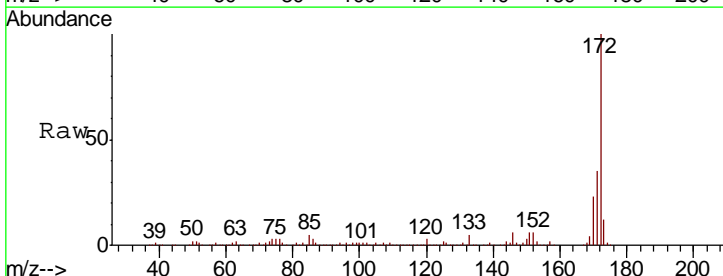
Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
330	100		
332	98.7	76.6	114.8
141	33.6	26.0	39.0

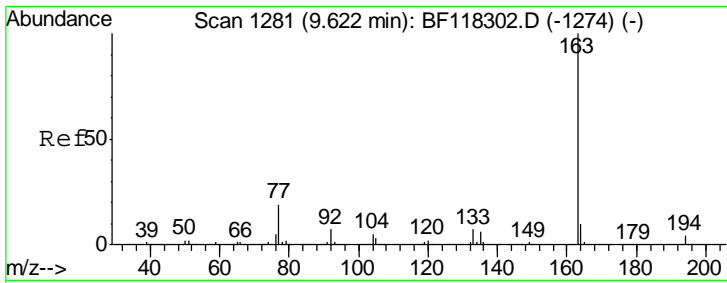


#45  
 2-Fluorobiphenyl  
 Concen: 68.596 ng  
 RT: 9.22 min Scan# 1212  
 Delta R.T. -0.01 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

Tgt Ion	Resp	Lower	Upper
172	100		
171	35.2	29.3	43.9
170	23.1	19.2	28.8



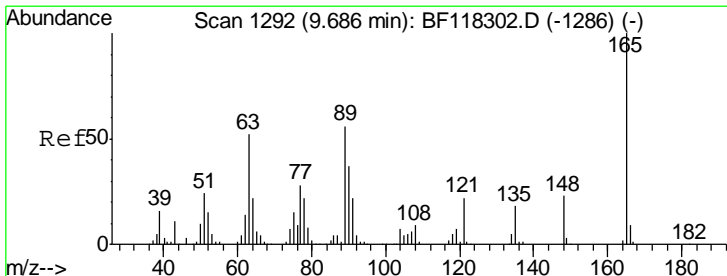
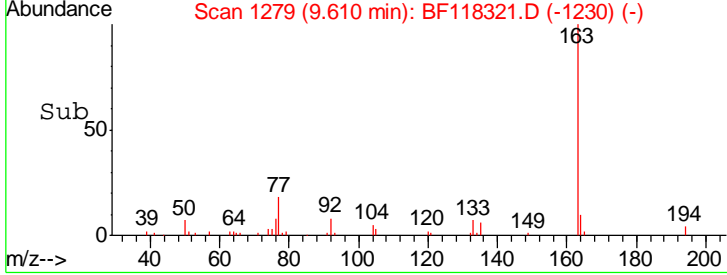
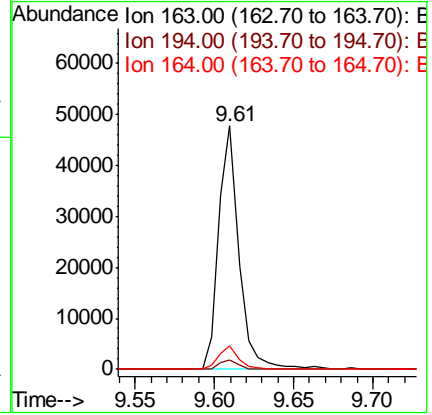
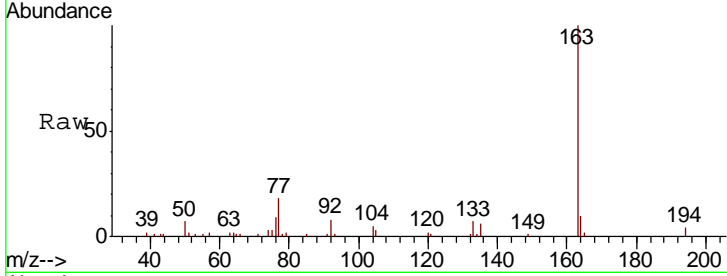




#50  
 Dimethylphthalate  
 Concen: 2.501 ng  
 RT: 9.61 min Scan# 1279  
 Delta R.T. -0.01 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

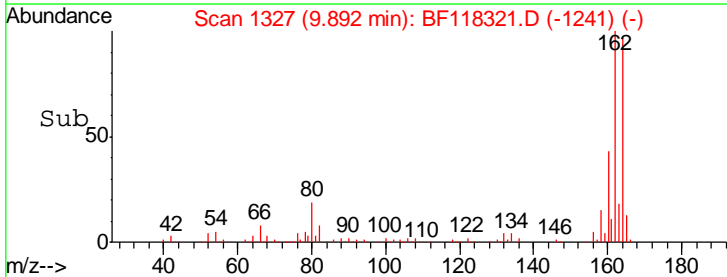
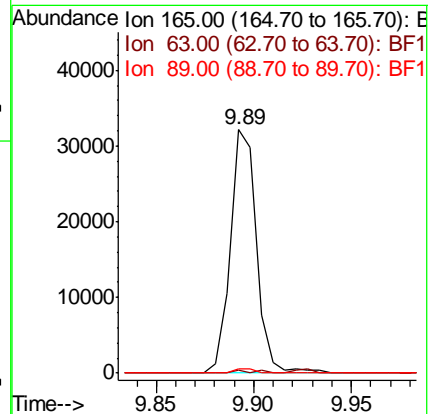
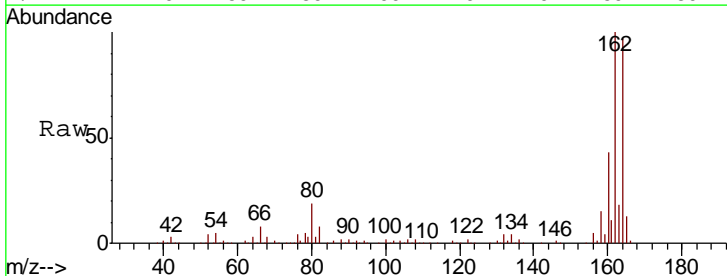
Instrument :  
 BNA\_F  
 ClientSampled :

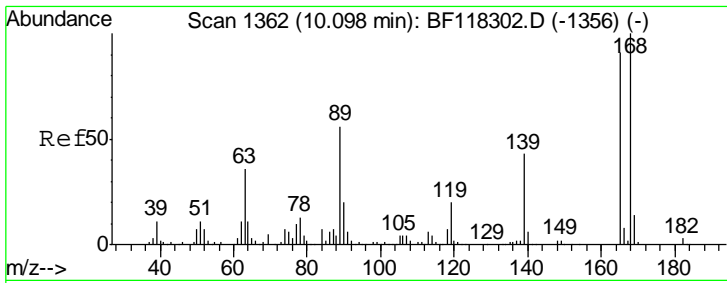
Tgt Ion	Resp	Lower	Upper
163	42758		
194	3.9	3.2	4.8
164	9.8	7.9	11.9



#51  
 2,6-Dinitrotoluene  
 Concen: 8.100 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. 0.21 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

Tgt Ion	Resp	Lower	Upper
165	29850		
63	1.5	42.2	63.4#
89	1.7	44.4	66.6#

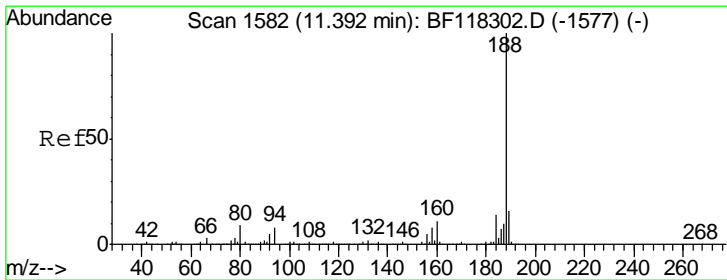
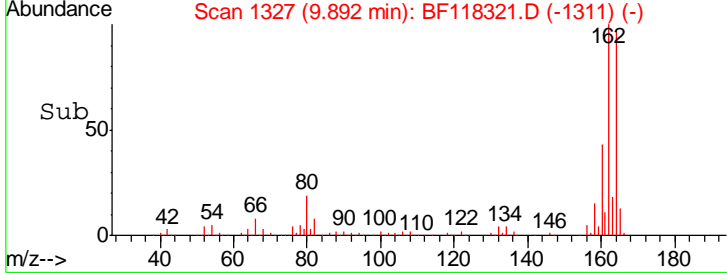
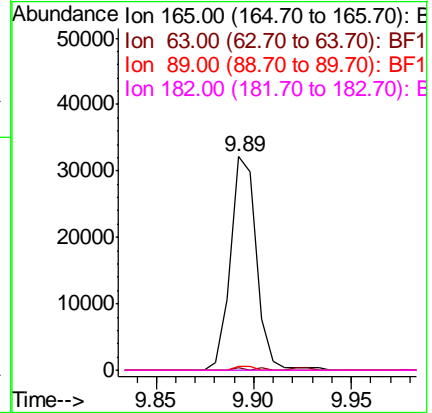
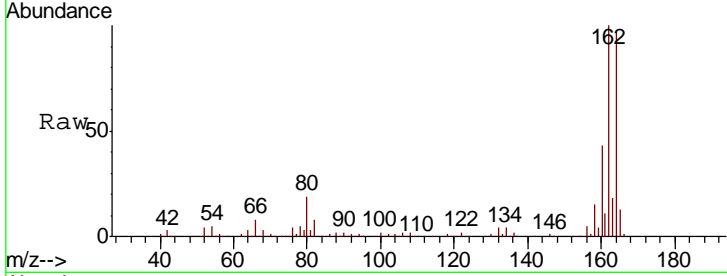




#57  
 2,4-Dinitrotoluene  
 Concen: 6.062 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. -0.21 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

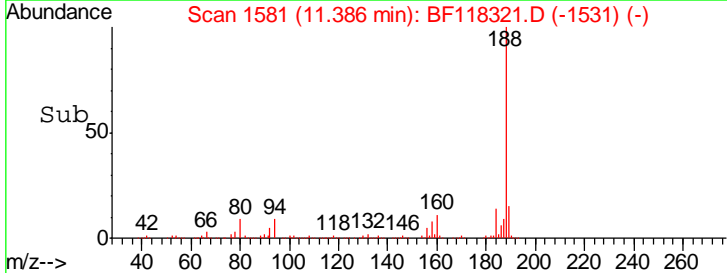
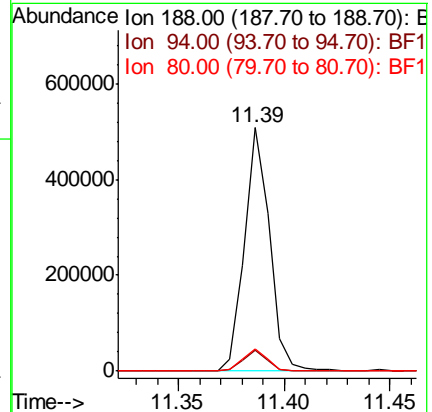
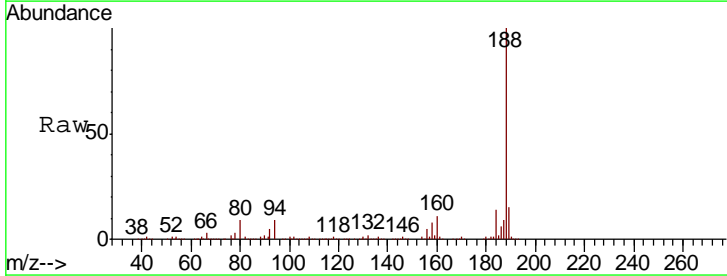
Instrument :  
 BNA\_F  
 ClientSampled :

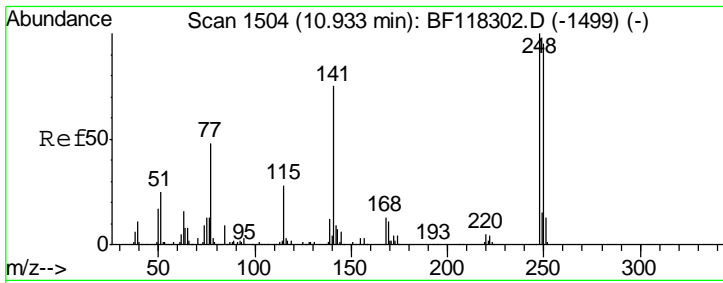
Tgt Ion	Resp	Lower	Upper
165	100		
63	1.5	32.0	48.0#
89	1.7	49.3	73.9#
182	0.0	2.4	3.6#



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.39 min Scan# 1581  
 Delta R.T. -0.01 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

Tgt Ion	Resp	Lower	Upper
188	100		
94	8.7	6.7	10.1
80	9.3	7.2	10.8

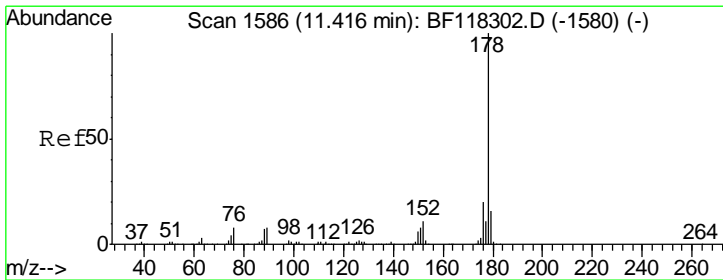
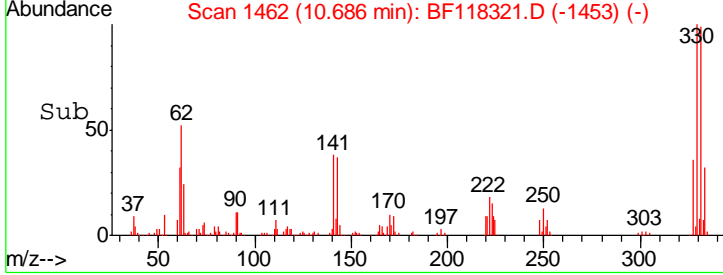
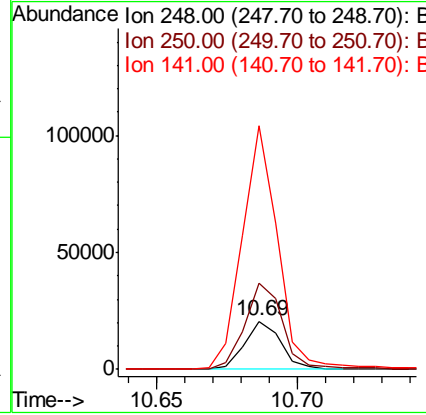
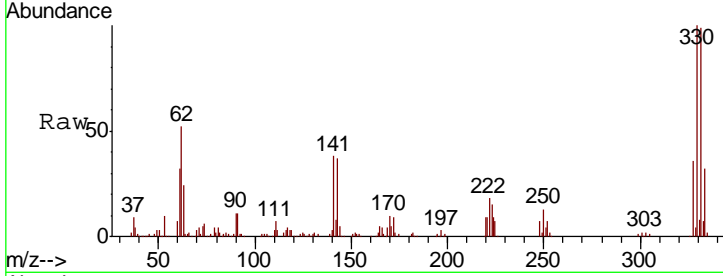




#67  
 4-Bromophenyl-phenylether  
 Concen: 3.683 ng  
 RT: 10.69 min Scan# 1462  
 Delta R.T. -0.25 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

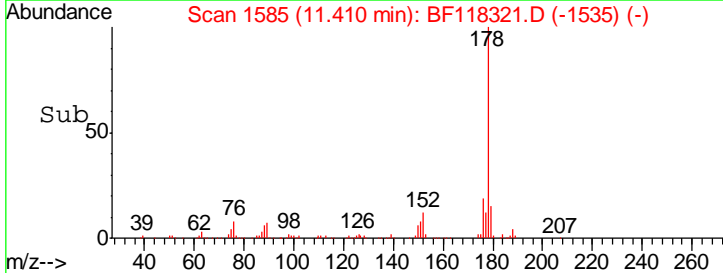
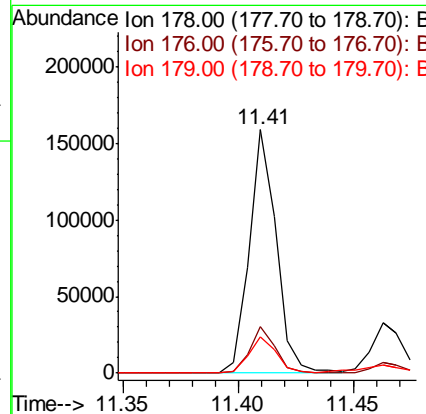
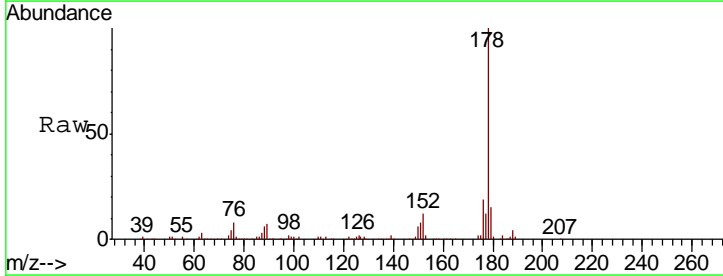
Instrument :  
 BNA\_F  
 ClientSampled :

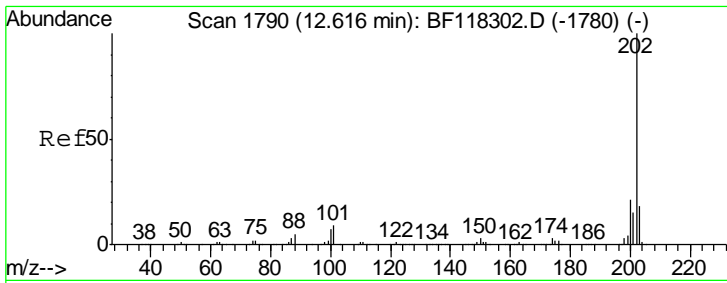
Tgt Ion	Resp	Lower	Upper
248	17916		
250	179.8	76.4	114.6#
141	509.9	60.2	90.2#



#71  
 Phenanthrene  
 Concen: 5.745 ng  
 RT: 11.41 min Scan# 1585  
 Delta R.T. -0.01 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

Tgt Ion	Resp	Lower	Upper
178	130181		
176	19.1	15.6	23.4
179	15.1	12.6	19.0

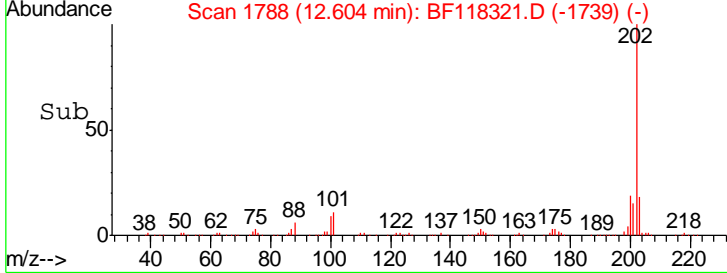
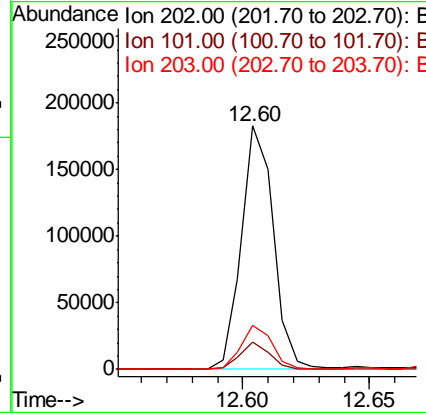
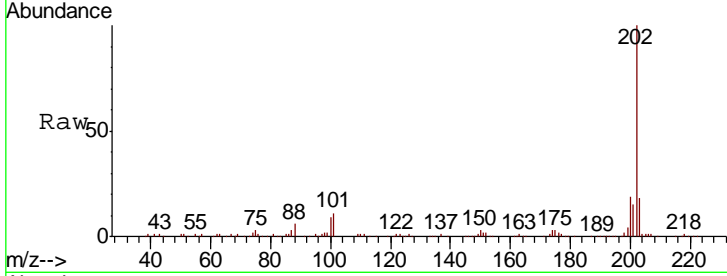




#75  
 Fluoranthene  
 Concen: 7.054 ng  
 RT: 12.60 min Scan# 1788  
 Delta R.T. -0.01 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

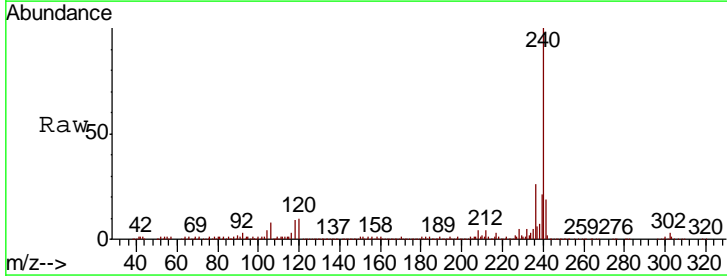
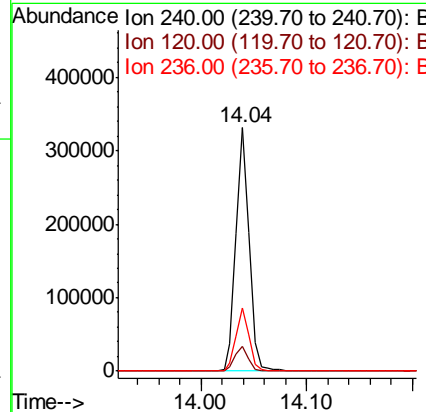
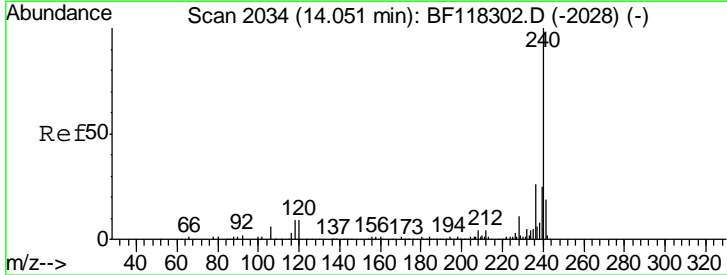
Instrument :  
 BNA\_F  
 ClientSampled :

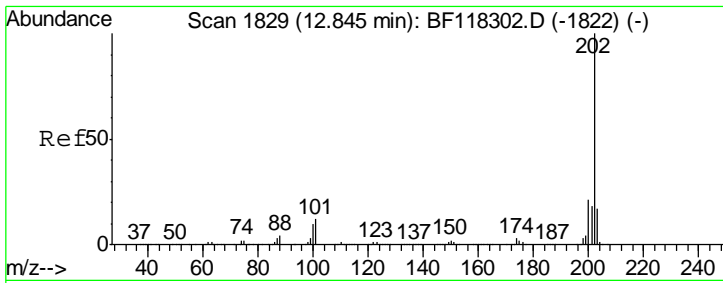
Tgt Ion	Resp	Lower	Upper
202	161333		
101	11.2	0.0	29.5
203	18.0	0.0	37.6



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.04 min Scan# 2032  
 Delta R.T. -0.01 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

Tgt Ion	Resp	Lower	Upper
240	284570		
120	10.4	7.1	10.7
236	25.9	21.0	31.6

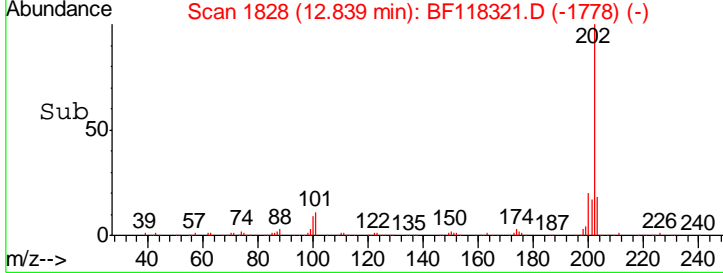
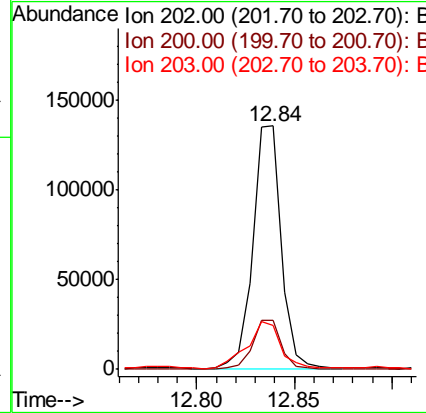
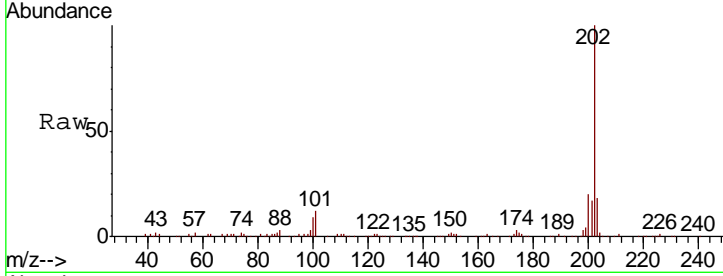




#78  
 Pyrene  
 Concen: 5.858 ng  
 RT: 12.84 min Scan# 1828  
 Delta R.T. -0.01 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

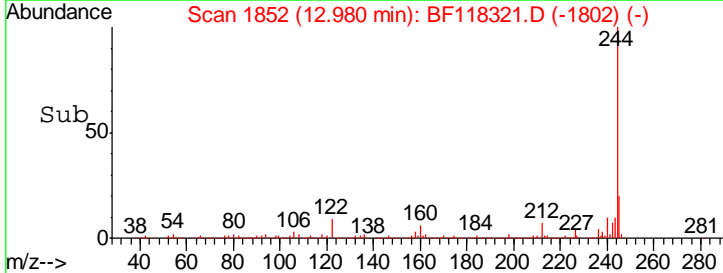
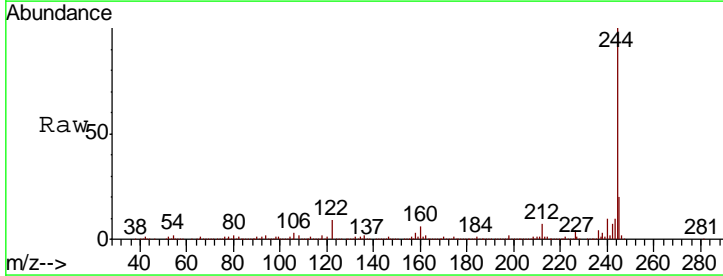
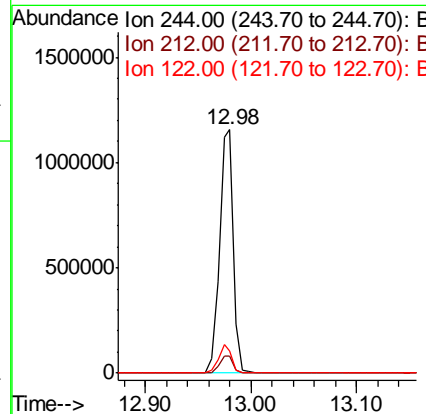
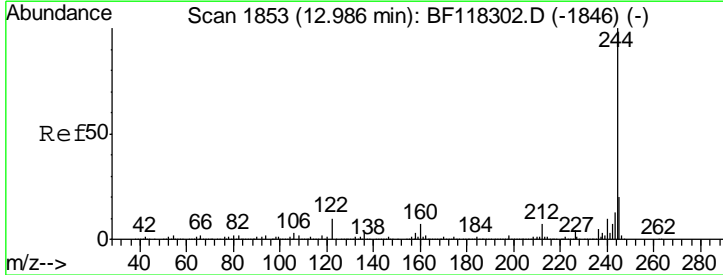
Instrument :  
 BNA\_F  
 ClientSampled :

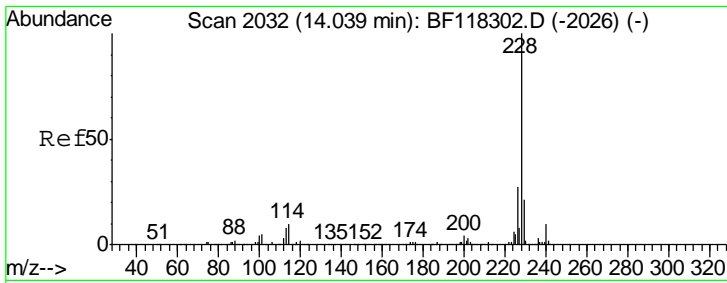
Tgt Ion	Resp	Lower	Upper
202	136122		
200	20.3	16.8	25.2
203	18.2	13.9	20.9



#79  
 Terphenyl-d14  
 Concen: 62.951 ng  
 RT: 12.98 min Scan# 1852  
 Delta R.T. -0.01 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

Tgt Ion	Resp	Lower	Upper
244	1079785		
212	6.8	5.4	8.2
122	9.1	7.8	11.8

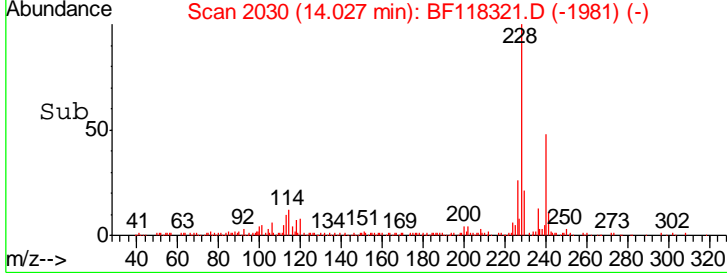
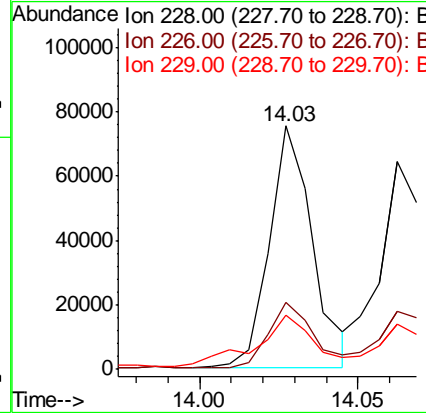
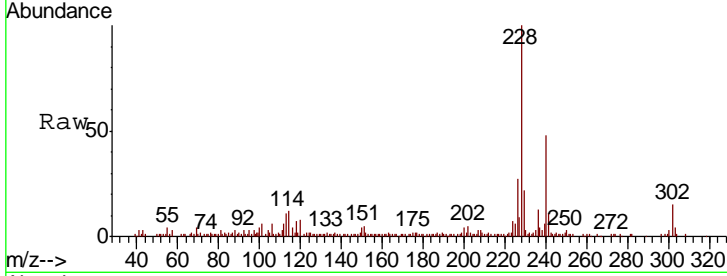




#81  
 Benzo(a)anthracene  
 Concen: 3.570 ng  
 RT: 14.03 min Scan# 2030  
 Delta R.T. -0.01 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

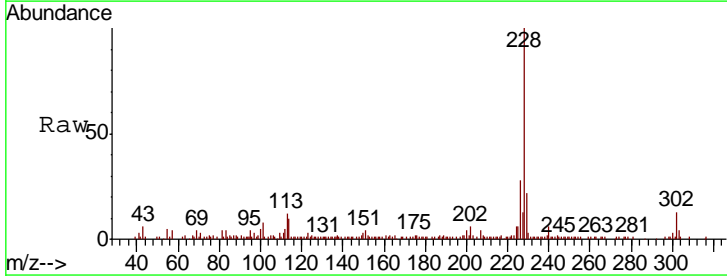
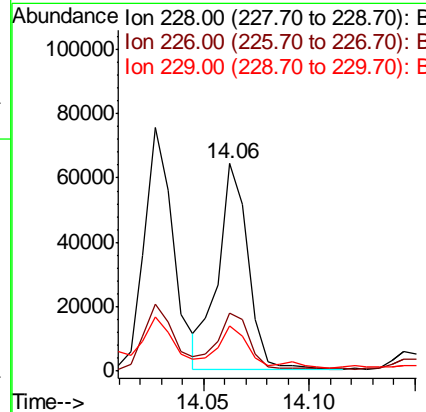
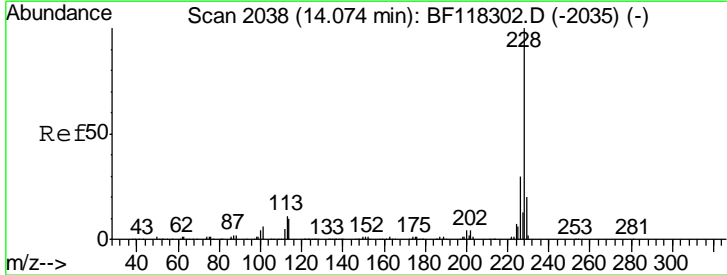
Instrument :  
 BNA\_F  
 ClientSampled :

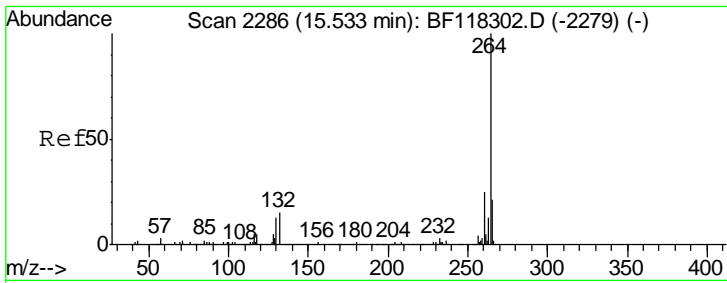
Tgt Ion	Resp	Lower	Upper
228	71117		
226	27.3	22.0	33.0
229	22.2	16.6	24.8



#83  
 Chrysene  
 Concen: 3.292 ng  
 RT: 14.06 min Scan# 2036  
 Delta R.T. -0.01 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

Tgt Ion	Resp	Lower	Upper
228	62794		
226	28.0	23.9	35.9
229	21.8	16.1	24.1

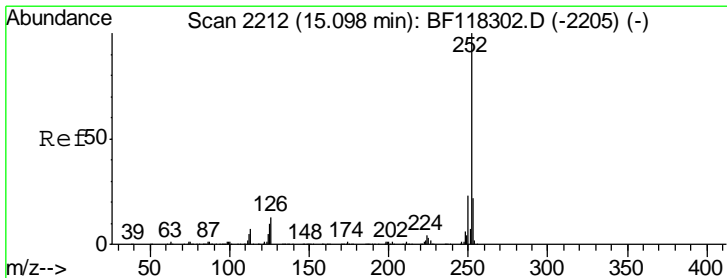
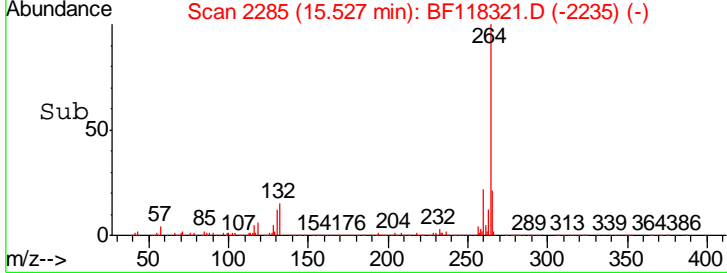
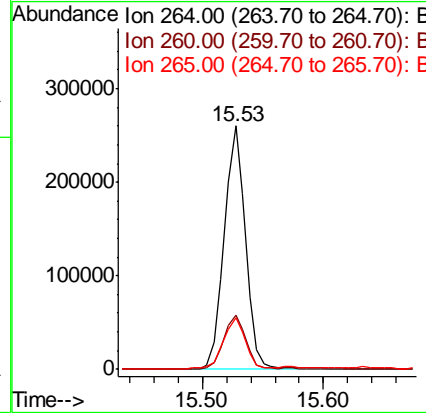
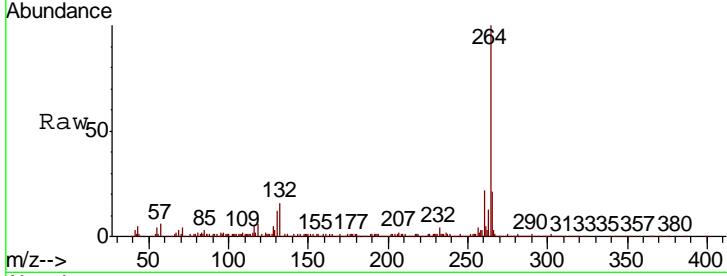




#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.53 min Scan# 2285  
 Delta R.T. -0.01 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

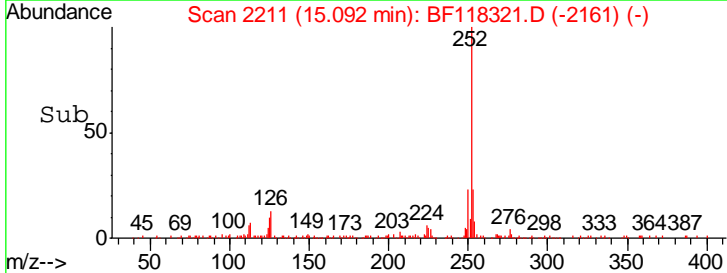
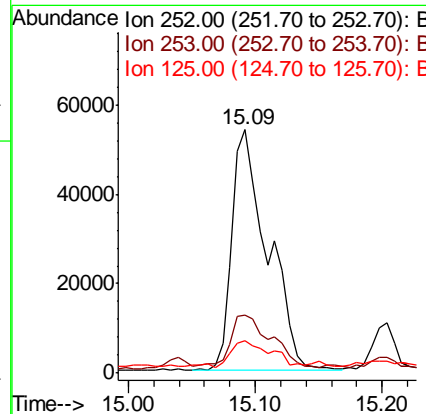
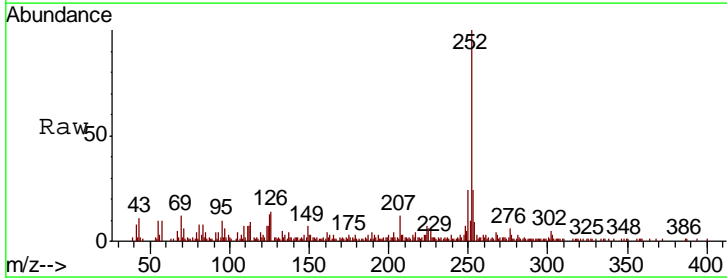
Instrument :  
 BNA\_F  
 ClientSampled :

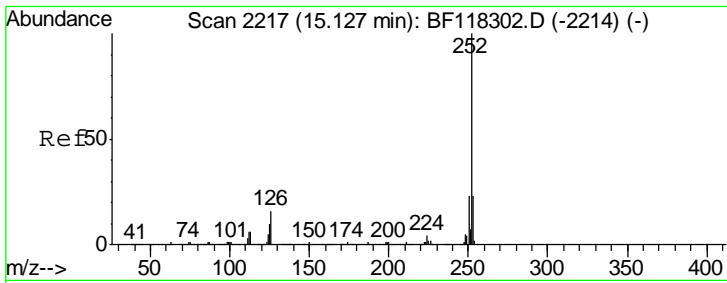
Tgt Ion	Resp	Lower	Upper
264	314670		
260	22.5	19.8	29.6
265	21.3	17.0	25.4



#88  
 Benzo(b)fluoranthene  
 Concen: 5.029 ng  
 RT: 15.09 min Scan# 2211  
 Delta R.T. -0.01 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

Tgt Ion	Resp	Lower	Upper
252	105043		
253	24.1	17.5	26.3
125	13.1	7.7	11.5#

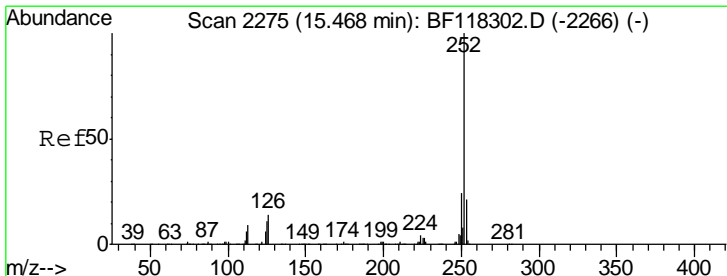
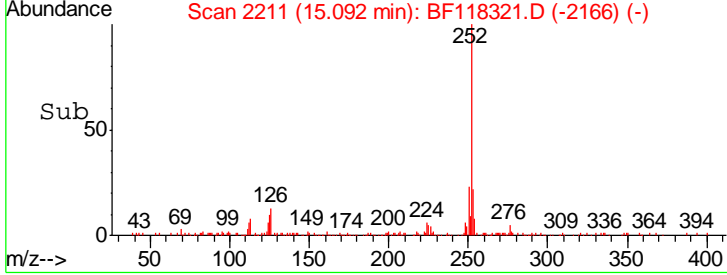
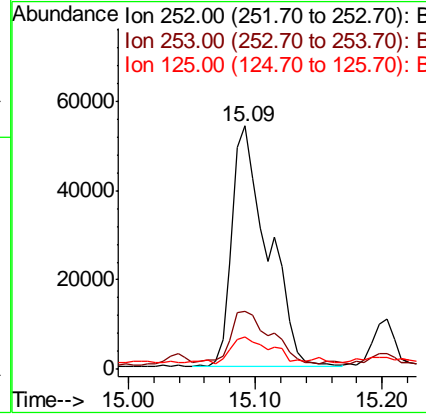
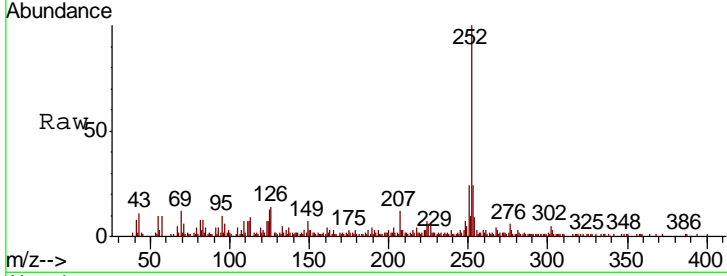




#89  
 Benzo(k)fluoranthene  
 Concen: 5.237 ng  
 RT: 15.09 min Scan# 2211  
 Delta R.T. -0.04 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
252	105043		
253	24.1	18.0	27.0
125	13.1	8.0	12.0



#90  
 Benzo(a)pyrene  
 Concen: 3.129 ng  
 RT: 15.46 min Scan# 2274  
 Delta R.T. -0.01 min  
 Lab File: BF118321.D  
 Acq: 26 Dec 2019 17:27

Tgt Ion	Resp	Lower	Upper
252	57571		
253	26.0	17.0	25.6
125	14.9	9.0	13.4

