

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\  
 Data File : BF118045.D  
 Acq On : 27 Nov 2019 17:15  
 Operator : JU  
 Sample : K5959-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 28 00:15:06 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	6.88	152	144467	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	556582	20.00	ng	-0.01
39) Acenaphthene-d10	9.93	164	279993	20.00	ng	-0.01
64) Phenanthrene-d10	11.43	188	456759	20.00	ng	0.00
76) Chrysene-d12	14.08	240	285226	20.00	ng	0.00
87) Perylene-d12	15.59	264	356728	20.00	ng	0.00

## System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	752764	92.23	ng	0.00
7) Phenol-d6	6.51	99	947445	96.25	ng	-0.01
23) Nitrobenzene-d5	7.45	82	586575	62.65	ng	-0.02
42) 2,4,6-Tribromophenol	10.73	330	272356	91.88	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	1161685	74.43	ng	-0.01
79) Terphenyl-d14	13.02	244	968337	62.05	ng	-0.01

## Target Compounds

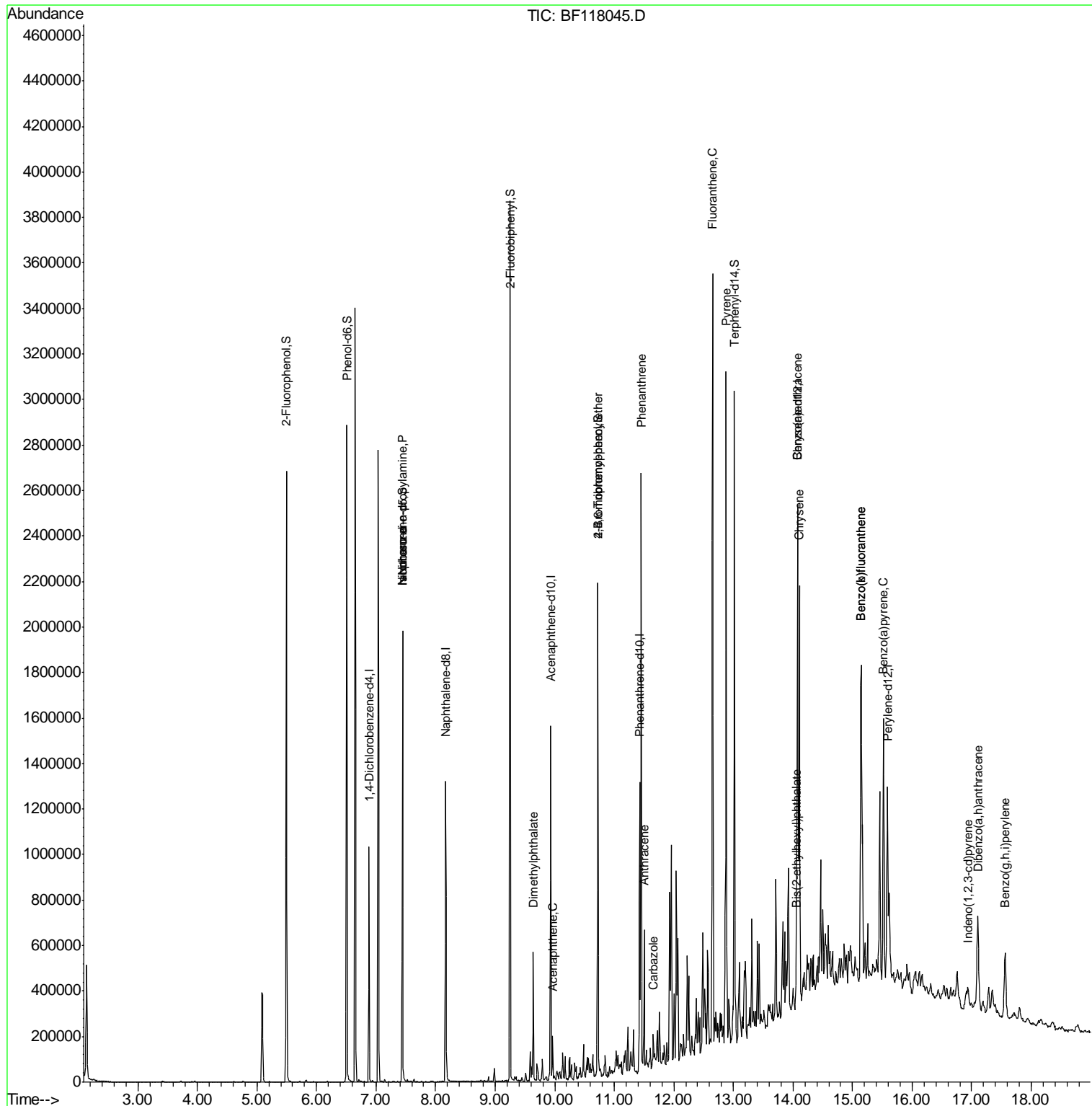
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.51	77	1617	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.45	70	79733	13.129	ng	# 73
25) Isophorone	7.45	82	586654	34.186	ng	# 62
50) Dimethylphthalate	9.64	163	198562	10.113	ng	99
52) Acenaphthene	9.96	154	35385	2.217	ng	99
67) 4-Bromophenyl-phenylether	10.73	248	17136	3.477	ng	# 1
71) Phenanthrene	11.45	178	989774	43.100	ng	99
72) Anthracene	11.50	178	225929	9.923	ng	98
73) Carbazole	11.66	167	46665	2.345	ng	99
75) Fluoranthene	12.65	202	1193432	59.493	ng	100
78) Pyrene	12.88	202	1239092	53.755	ng	99
81) Benzo(a)anthracene	14.07	228	719755	38.187	ng	98
83) Chrysene	14.11	228	675570	36.989	ng	98
84) Bis(2-ethylhexyl)phthalate	14.05	149	27546	2.295	ng	98
86) Indeno(1,2,3-cd)pyrene	16.94	276	56554	3.638	ng	95
88) Benzo(b)fluoranthene	15.14	252	1029091	44.402	ng	100
89) Benzo(k)fluoranthene	15.14	252	1029091	47.124	ng	99
90) Benzo(a)pyrene	15.52	252	572963	28.114	ng	99
91) Dibenzo(a,h)anthracene	17.11	278	88826	5.064	ng	97
92) Benzo(a,h,i)perylene	17.56	276	228186	13.060	ng	98

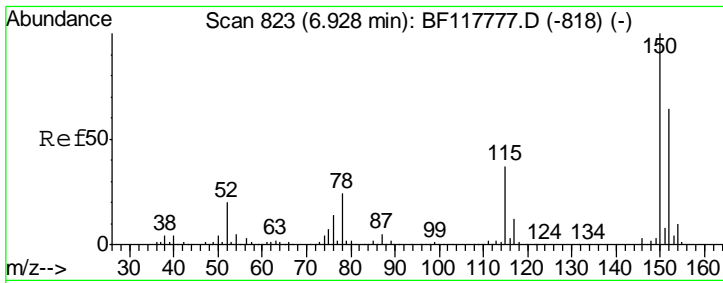
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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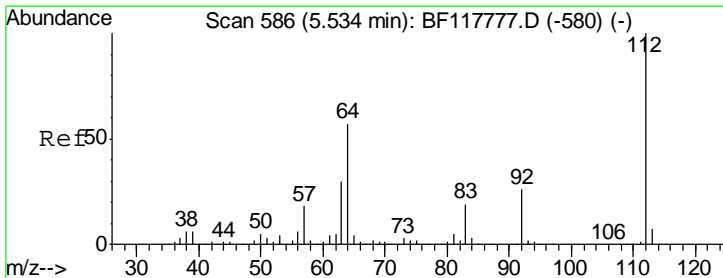
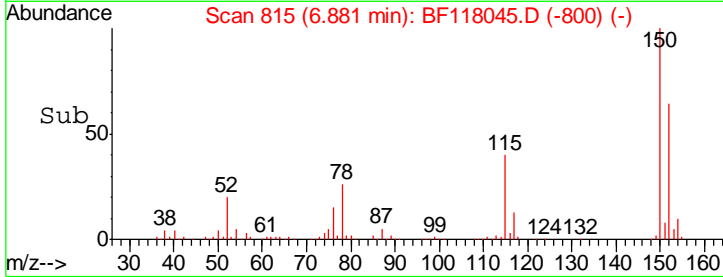
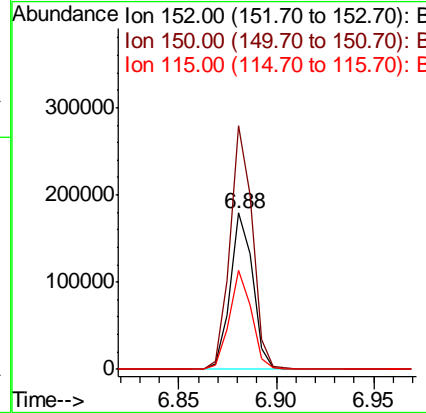
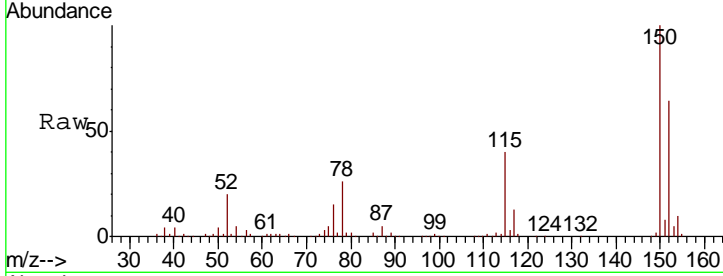




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.88 min Scan# 815  
 Delta R.T. -0.01 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

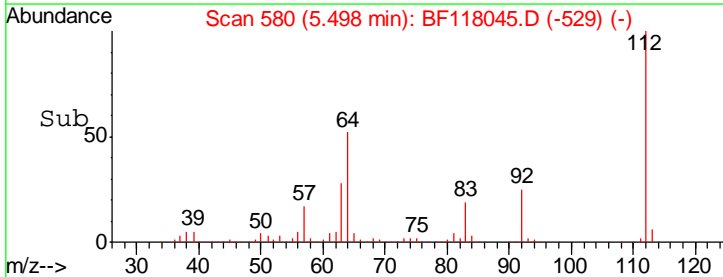
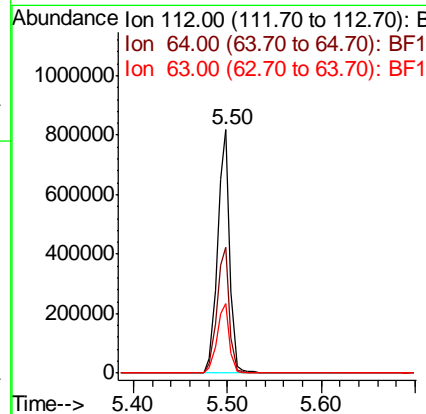
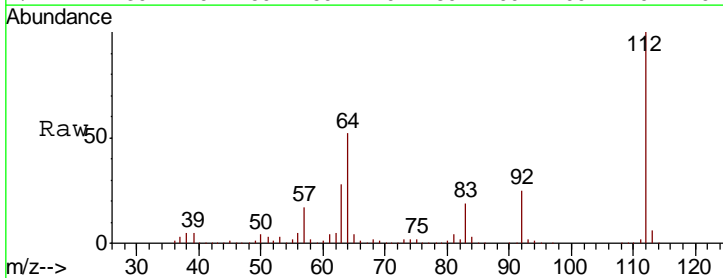
Instrument :  
 BNA\_F  
 ClientSampled :

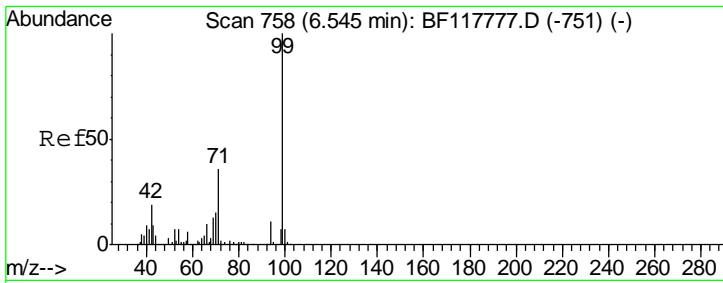
Tgt Ion	Resp	Lower	Upper
152	144467		
150	156.1	125.3	187.9
115	63.1	47.0	70.4



#5  
 2-Fluorophenol  
 Concen: 92.234 ng  
 RT: 5.50 min Scan# 580  
 Delta R.T. 0.00 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

Tgt Ion	Resp	Lower	Upper
112	752764		
64	51.7	45.6	68.4
63	28.4	24.1	36.1

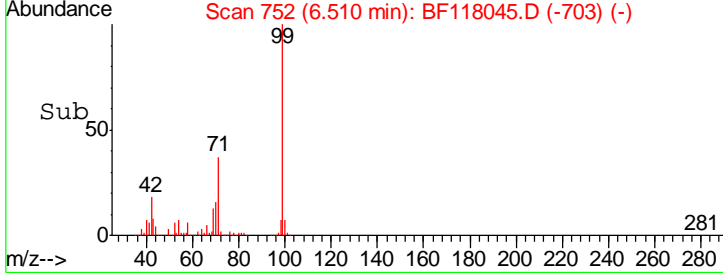
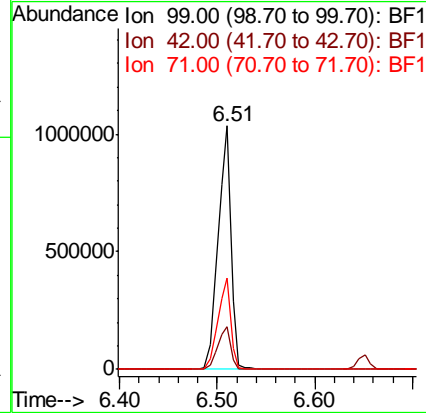
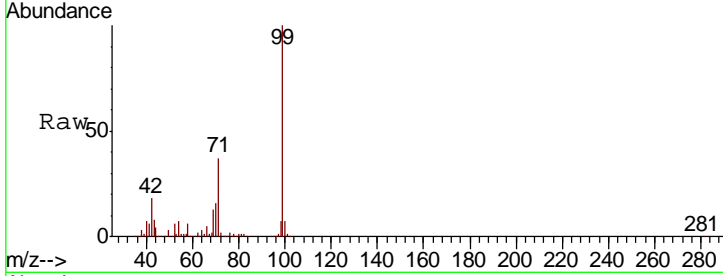




#7  
 Phenol-d6  
 Concen: 96.245 ng  
 RT: 6.51 min Scan# 752  
 Delta R.T. -0.01 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

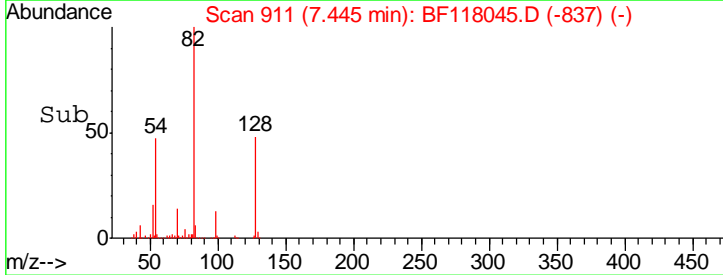
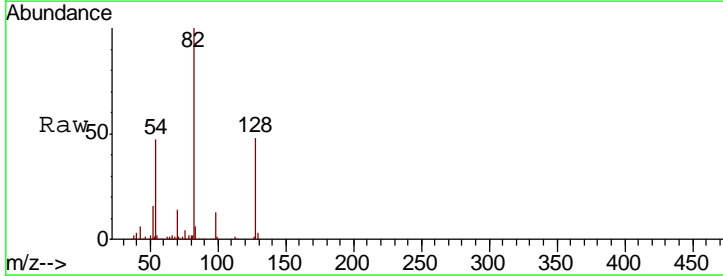
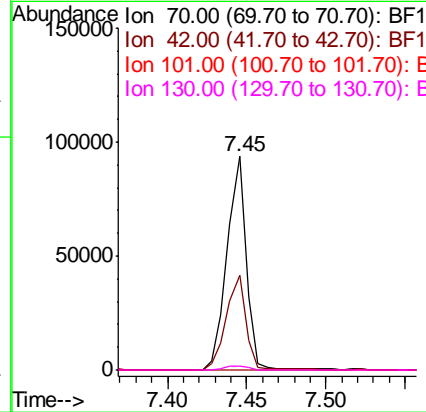
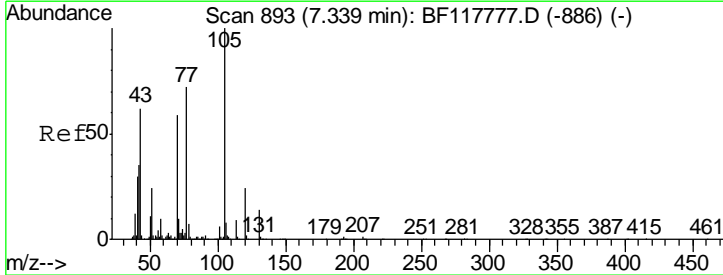
Instrument :  
 BNA\_F  
 ClientSampled :

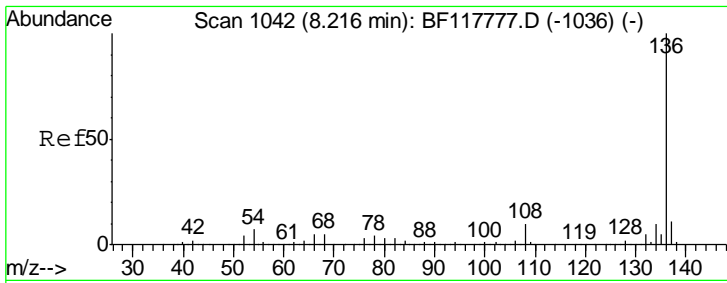
Tgt Ion	Resp	Lower	Upper
99	100		
42	17.5	14.9	22.3
71	37.2	28.6	43.0



#19  
 n-Nitroso-di-n-propylamine  
 Concen: 13.129 ng  
 RT: 7.45 min Scan# 911  
 Delta R.T. 0.14 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

Tgt Ion	Resp	Lower	Upper
70	100		
42	44.2	47.4	71.2#
101	0.0	8.4	12.6#
130	2.0	18.8	28.2#



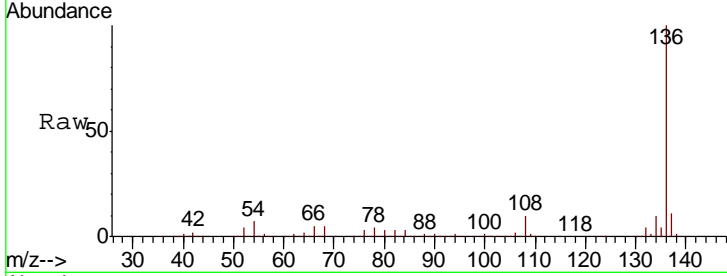


#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 8.17 min Scan# 1034  
 Delta R.T. -0.01 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

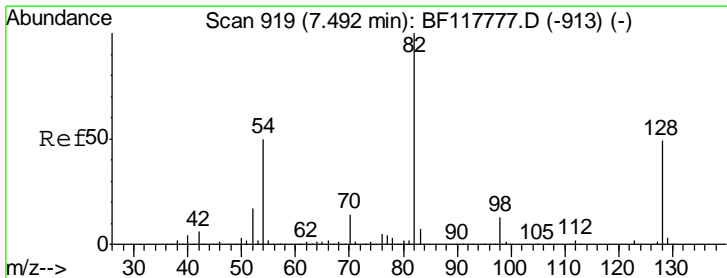
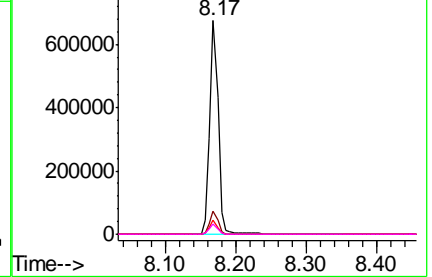
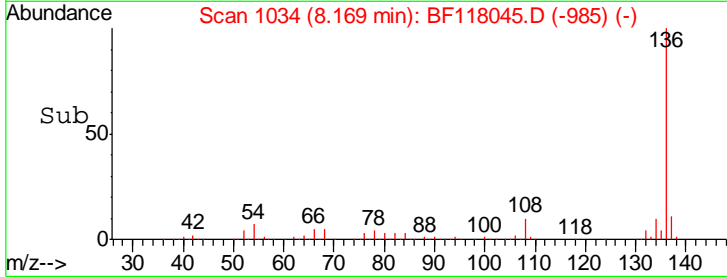
Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion: 136 Resp: 556582

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	6.6	5.4	8.2
68	4.6	4.3	6.5



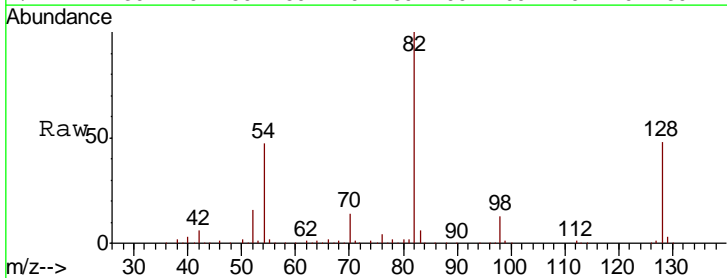
Abundance Ion 136.00 (135.70 to 136.70): E  
 Ion 137.00 (136.70 to 137.70): E  
 Ion 54.00 (53.70 to 54.70): BF1  
 Ion 68.00 (67.70 to 68.70): BF1



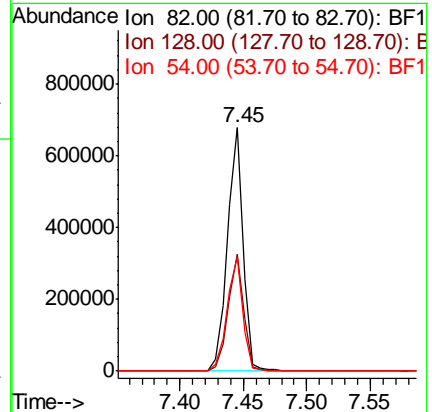
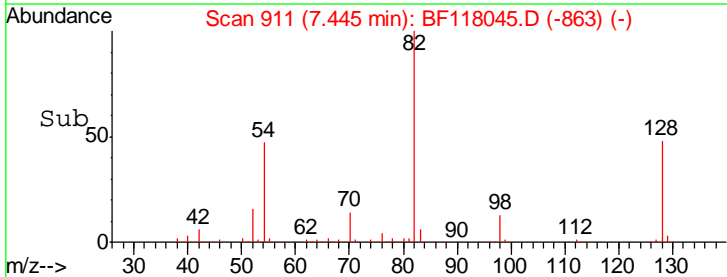
#23  
 Nitrobenzene-d5  
 Concen: 62.649 ng  
 RT: 7.45 min Scan# 911  
 Delta R.T. -0.02 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

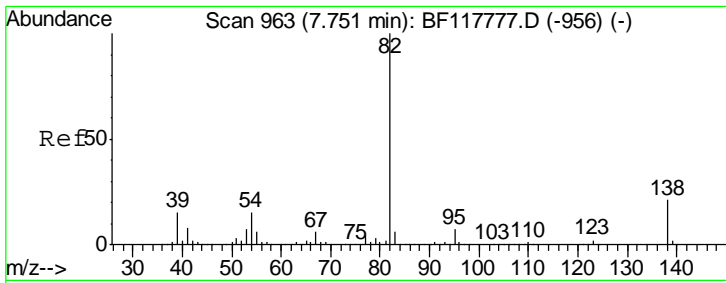
Tgt Ion: 82 Resp: 586575

Ion	Ratio	Lower	Upper
82	100		
128	48.2	38.9	58.3
54	46.9	39.8	59.6



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

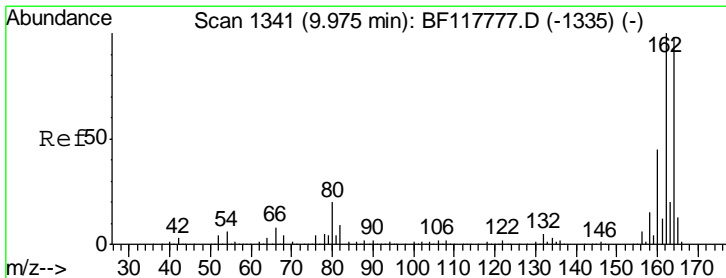
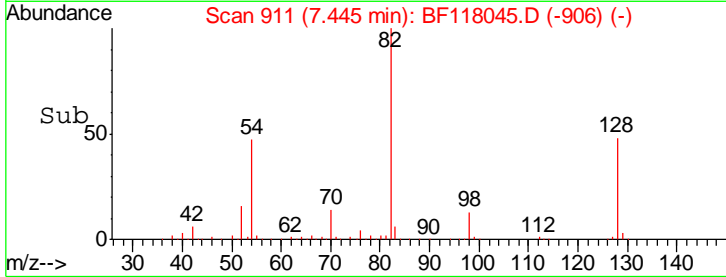
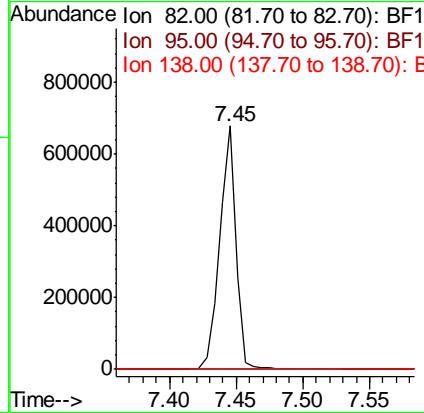
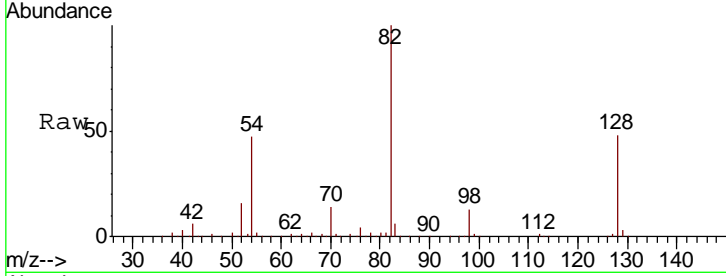




#25  
 Isophorone  
 Concen: 34.186 ng  
 RT: 7.45 min Scan# 911  
 Delta R.T. -0.27 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

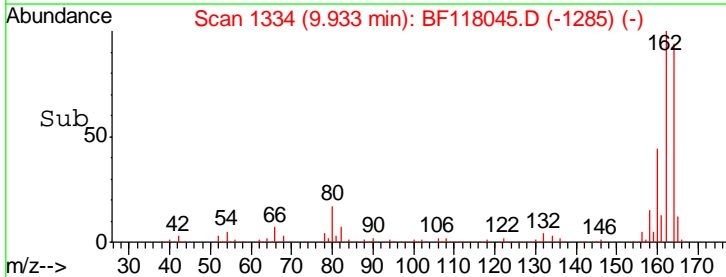
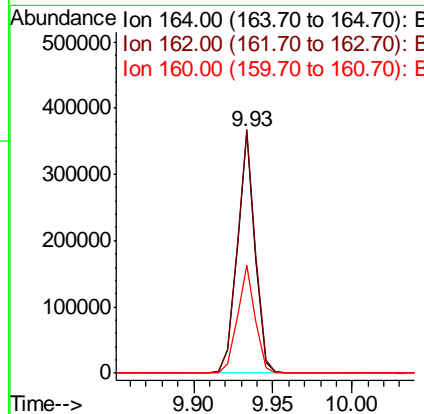
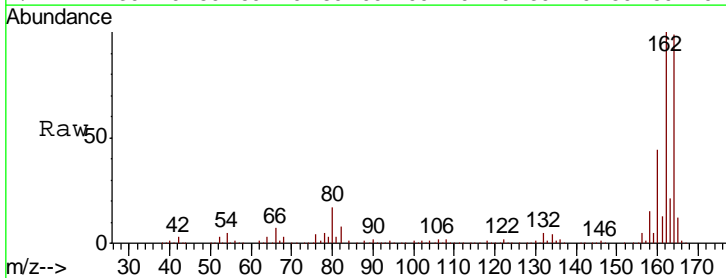
Instrument :  
 BNA\_F  
 ClientSampled :

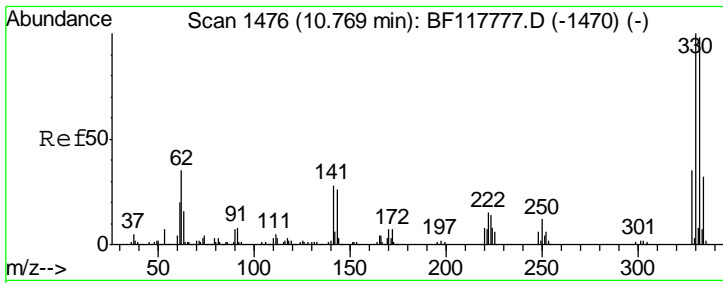
Tgt Ion	Resp	Lower	Upper
82	100		
95	0.0	5.8	8.8#
138	0.0	16.5	24.7#



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.93 min Scan# 1334  
 Delta R.T. -0.01 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

Tgt Ion	Resp	Lower	Upper
164	100		
162	100.9	81.3	121.9
160	44.8	36.6	55.0

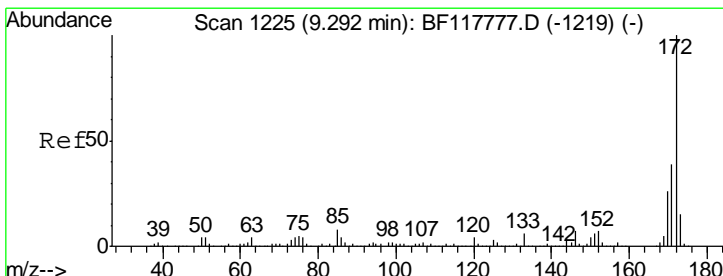
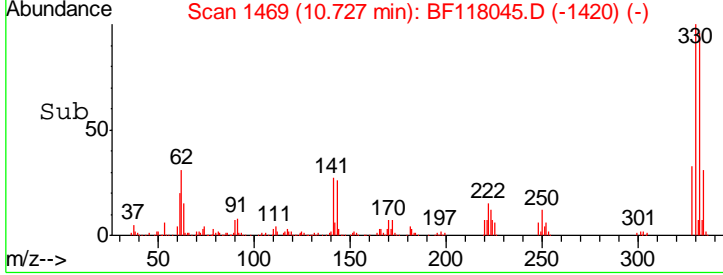
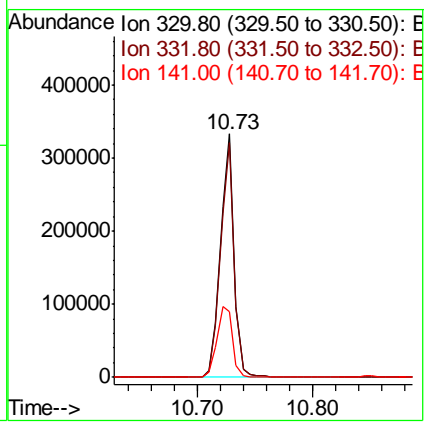
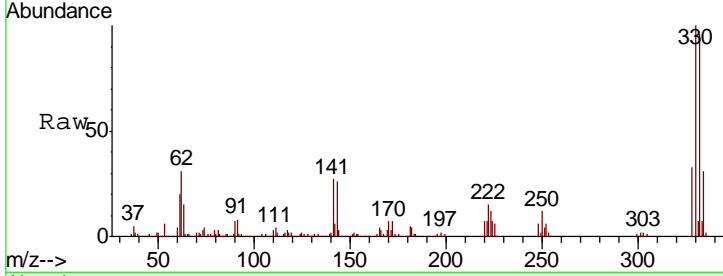




#42  
 2,4,6-Tribromophenol  
 Concen: 91.880 ng  
 RT: 10.73 min Scan# 1469  
 Delta R.T. -0.01 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

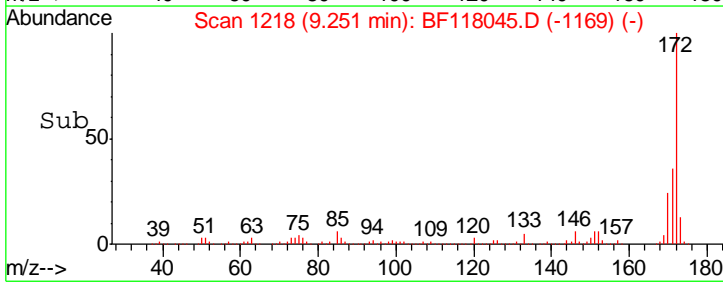
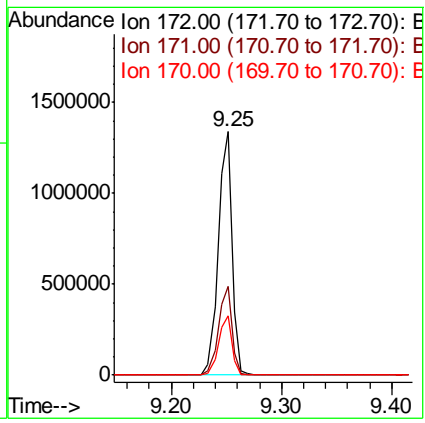
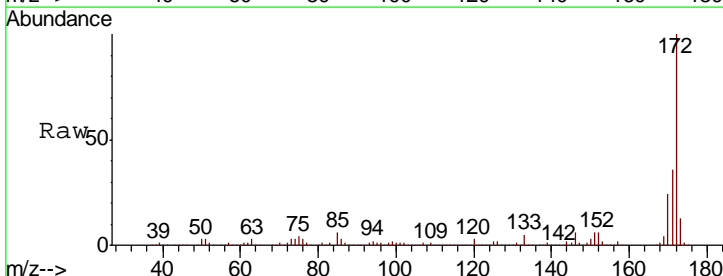
Instrument :  
 BNA\_F  
 ClientSampled :

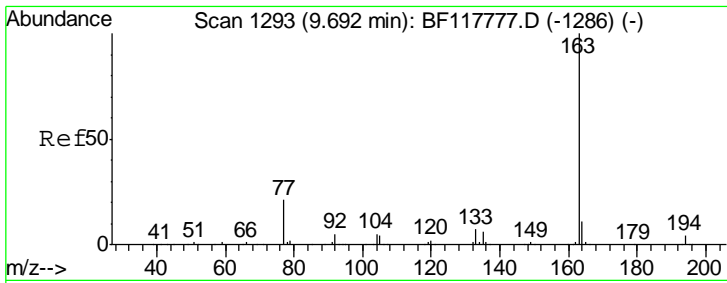
Tgt Ion	Resp	Lower	Upper
330	100		
332	96.7	76.7	115.1
141	33.1	27.7	41.5



#45  
 2-Fluorobiphenyl  
 Concen: 74.434 ng  
 RT: 9.25 min Scan# 1218  
 Delta R.T. -0.01 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

Tgt Ion	Resp	Lower	Upper
172	100		
171	36.3	30.9	46.3
170	24.1	21.0	31.4



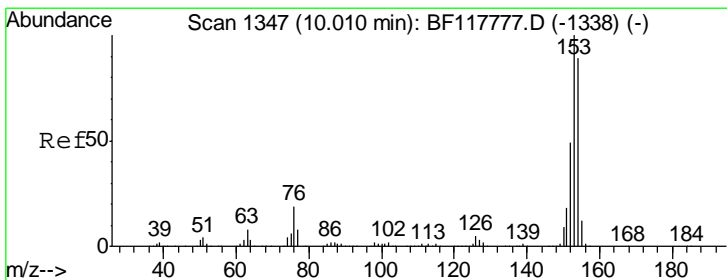
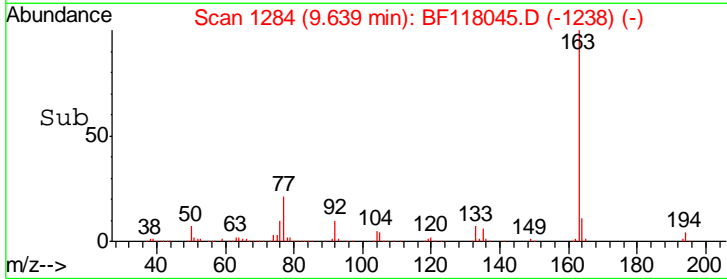
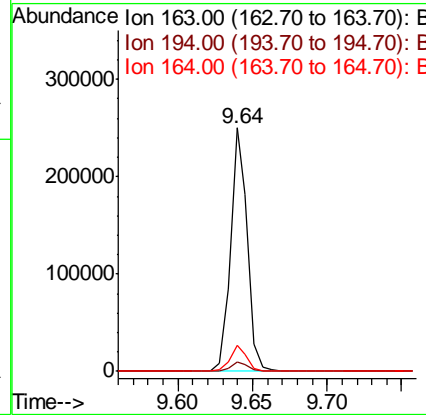
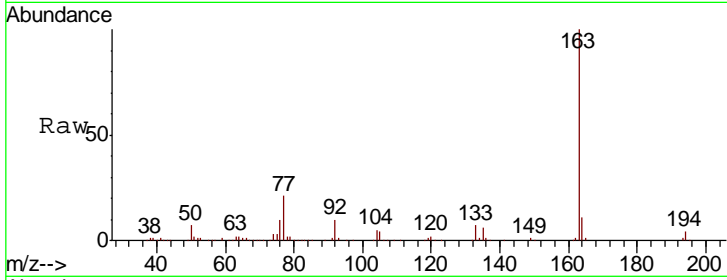


#50  
 Dimethylphthalate  
 Concen: 10.113 ng  
 RT: 9.64 min Scan# 1284  
 Delta R.T. -0.03 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion:163 Resp: 198562

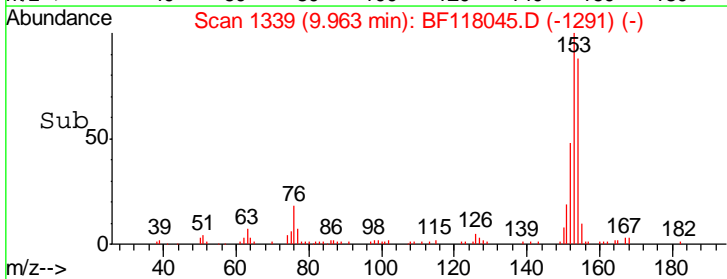
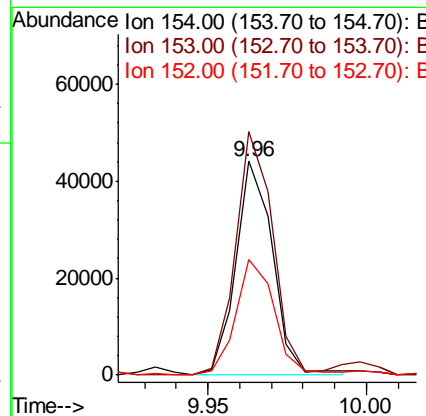
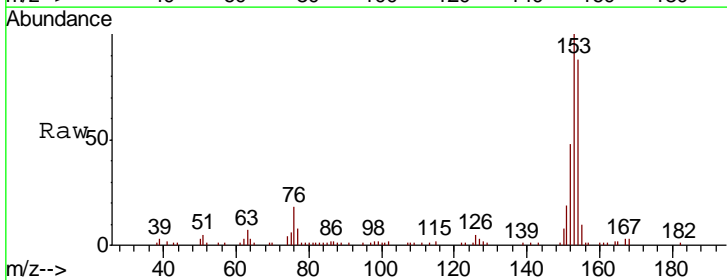
Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.6	8.7	13.1



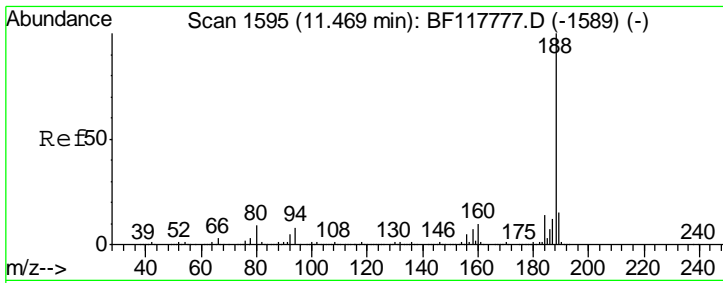
#52  
 Acenaphthene  
 Concen: 2.217 ng  
 RT: 9.96 min Scan# 1339  
 Delta R.T. -0.02 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

Tgt Ion:154 Resp: 35385

Ion	Ratio	Lower	Upper
154	100		
153	113.9	90.1	135.1
152	54.1	44.0	66.0



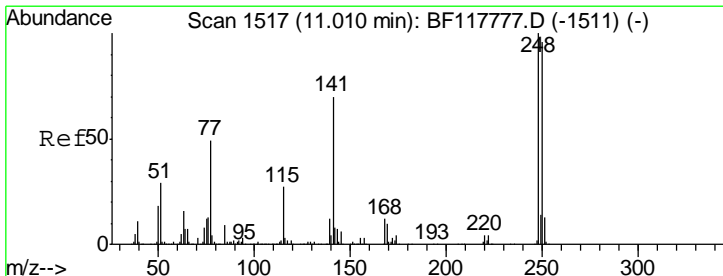
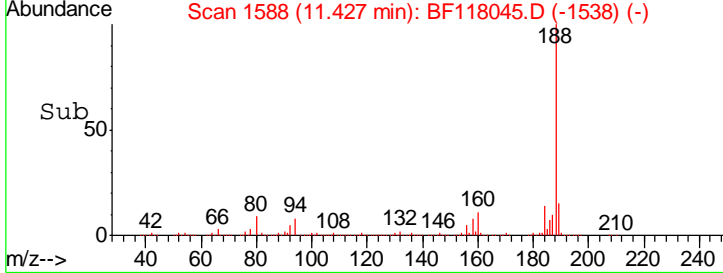
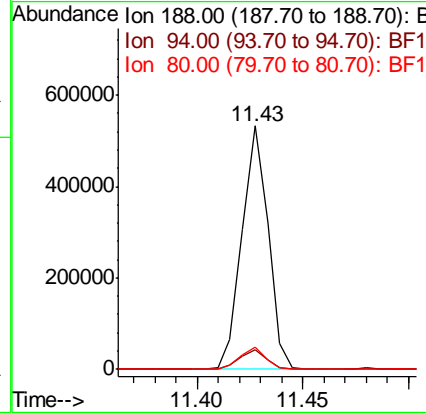
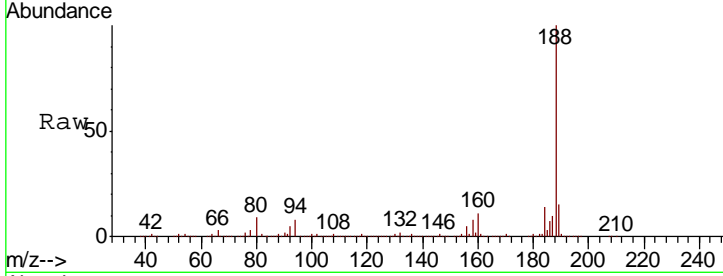




#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.43 min Scan# 1588  
 Delta R.T. -0.01 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

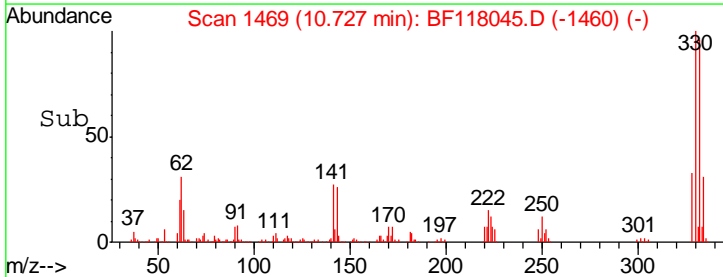
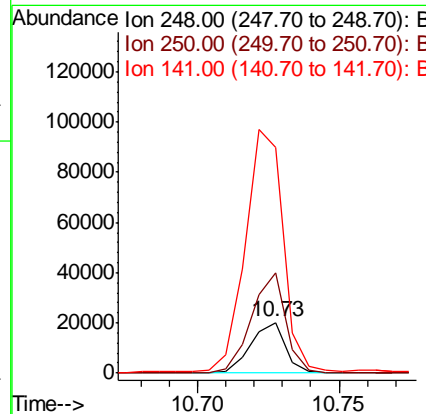
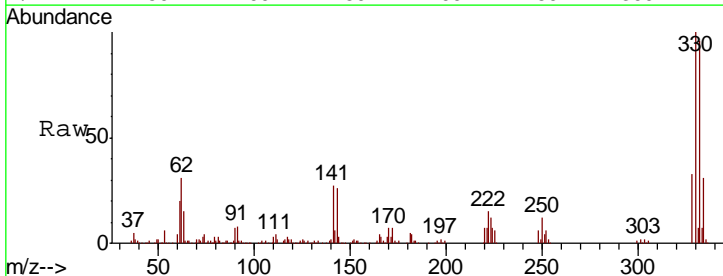
Instrument :  
 BNA\_F  
 ClientSampled :

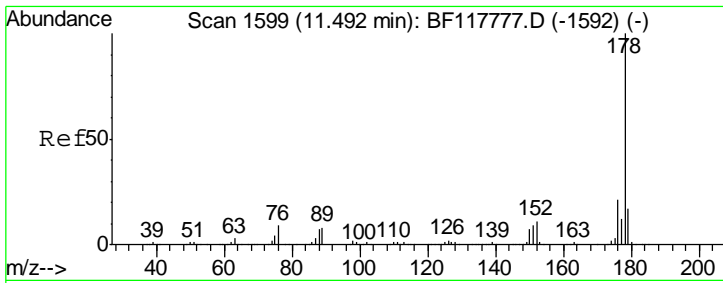
Tgt Ion	Resp	Lower	Upper
188	100		
94	8.1	6.6	10.0
80	8.9	7.2	10.8



#67  
 4-Bromophenyl-phenylether  
 Concen: 3.477 ng  
 RT: 10.73 min Scan# 1469  
 Delta R.T. -0.25 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

Tgt Ion	Resp	Lower	Upper
248	100		
250	199.4	76.6	115.0#
141	446.7	55.9	83.9#

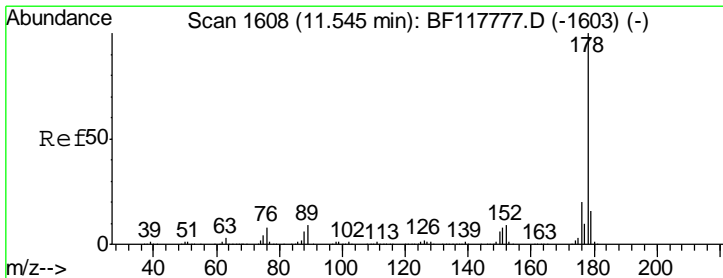
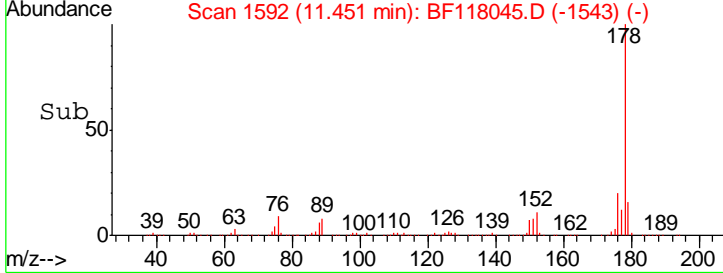
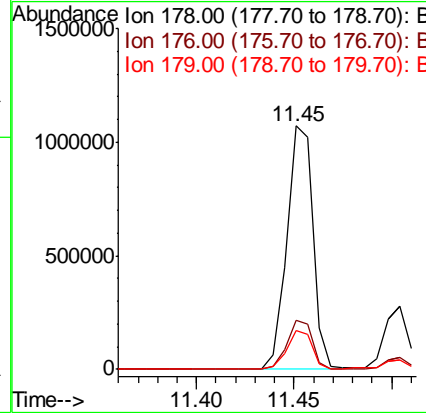
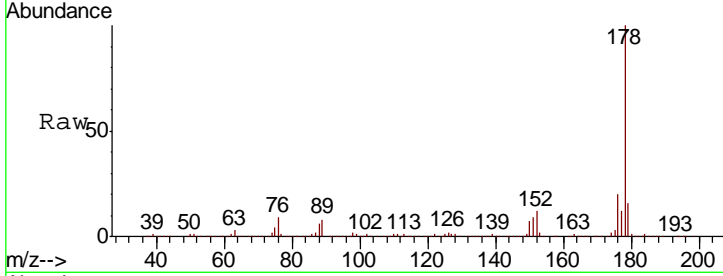




#71  
 Phenanthrene  
 Concen: 43.100 ng  
 RT: 11.45 min Scan# 1592  
 Delta R.T. -0.01 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

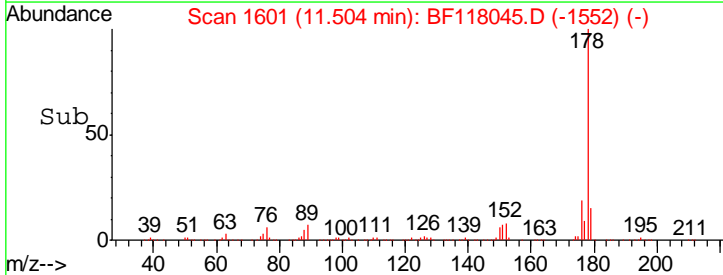
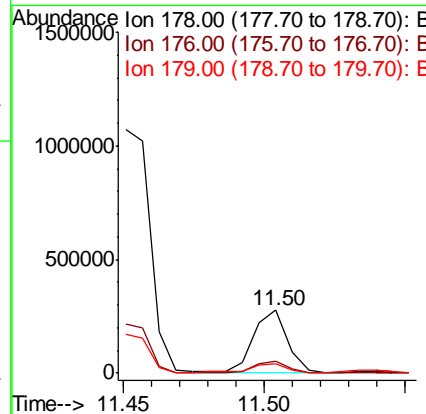
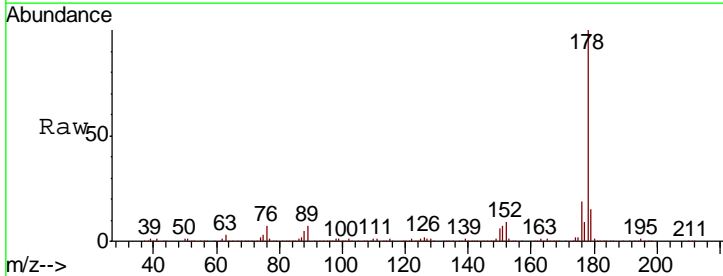
Instrument :  
 BNA\_F  
 ClientSampled :

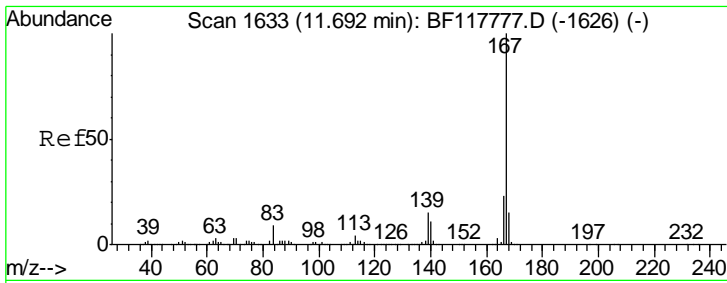
Tgt Ion	Resp	Lower	Upper
178	989774		
176	20.1	16.6	25.0
179	16.2	13.2	19.8



#72  
 Anthracene  
 Concen: 9.923 ng  
 RT: 11.50 min Scan# 1601  
 Delta R.T. -0.01 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

Tgt Ion	Resp	Lower	Upper
178	225929		
176	19.3	16.1	24.1
179	15.3	13.0	19.4

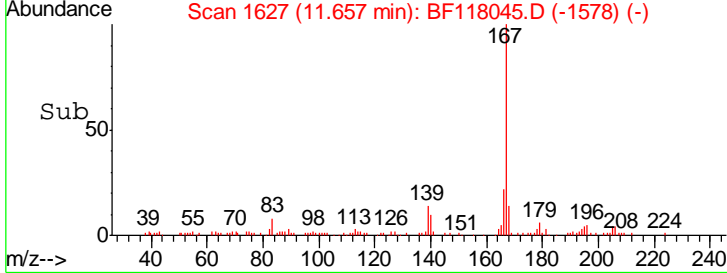
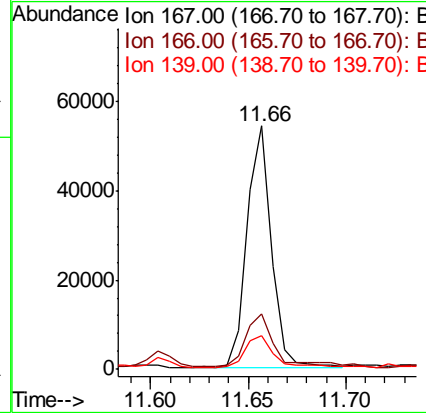
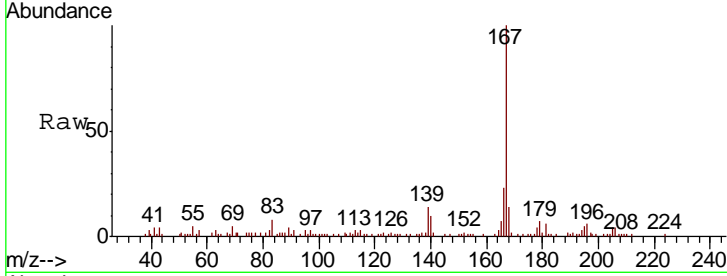




#73  
 Carbazole  
 Concen: 2.345 ng  
 RT: 11.66 min Scan# 1627  
 Delta R.T. -0.01 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

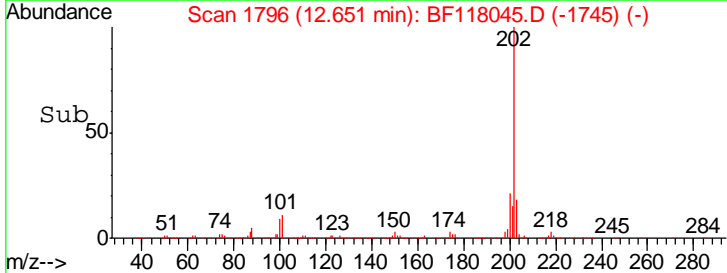
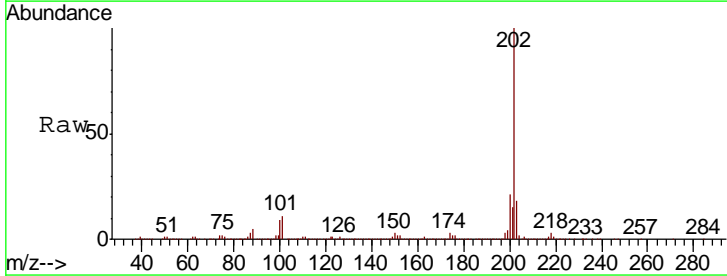
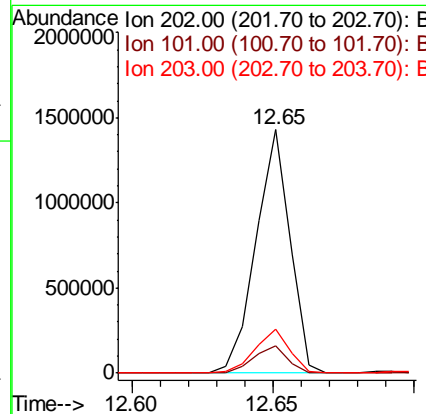
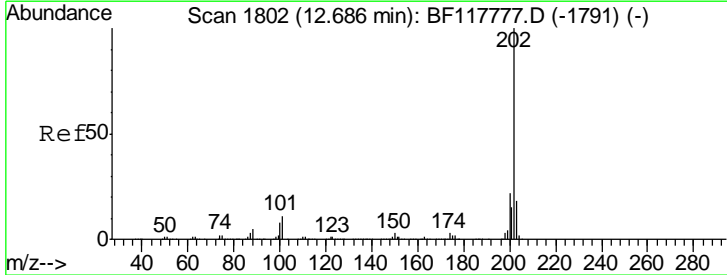
Instrument :  
 BNA\_F  
 ClientSampled :

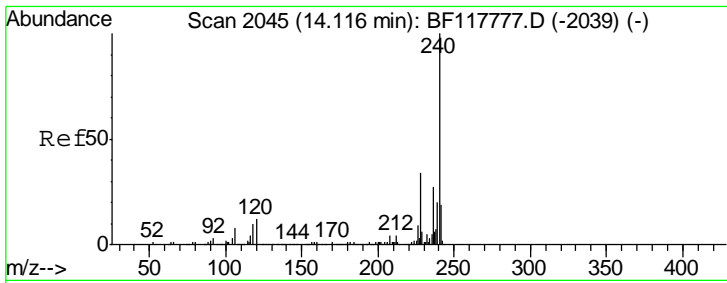
Tgt Ion	Resp	Lower	Upper
167	100		
166	22.9	18.0	27.0
139	13.8	11.7	17.5



#75  
 Fluoranthene  
 Concen: 59.493 ng  
 RT: 12.65 min Scan# 1796  
 Delta R.T. 0.00 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

Tgt Ion	Resp	Lower	Upper
202	100		
101	11.0	0.0	31.1
203	18.2	0.0	38.2

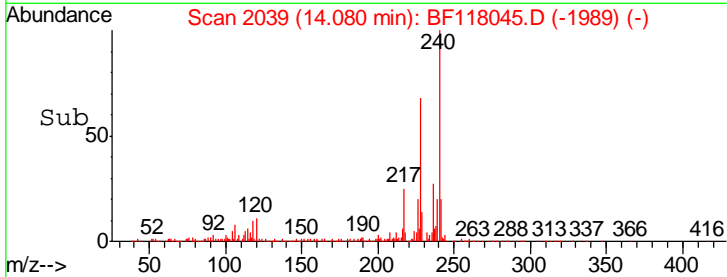
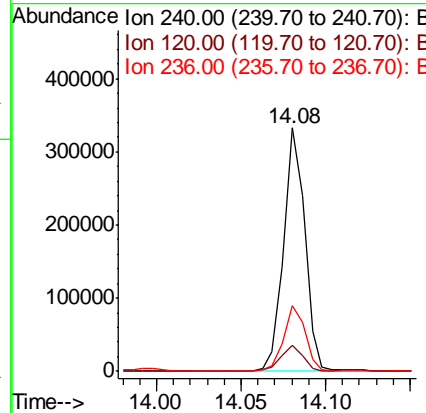
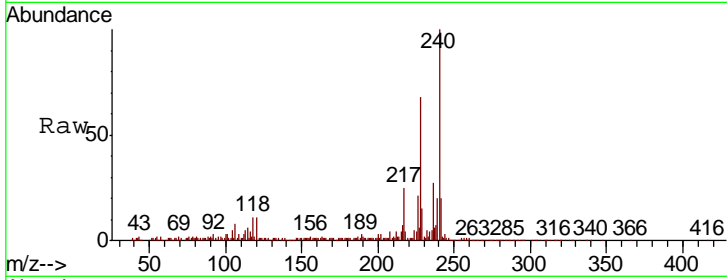




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.08 min Scan# 2039  
 Delta R.T. -0.01 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

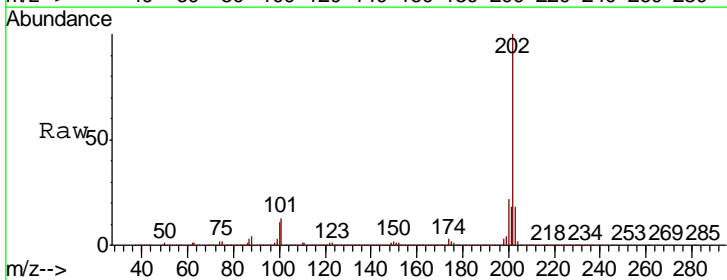
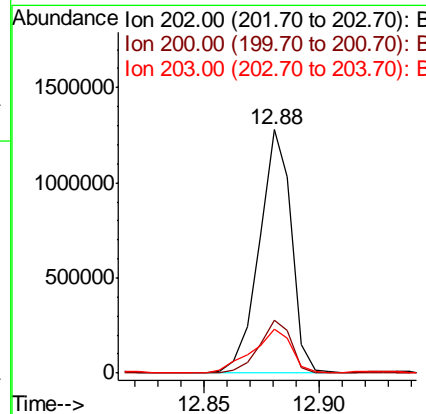
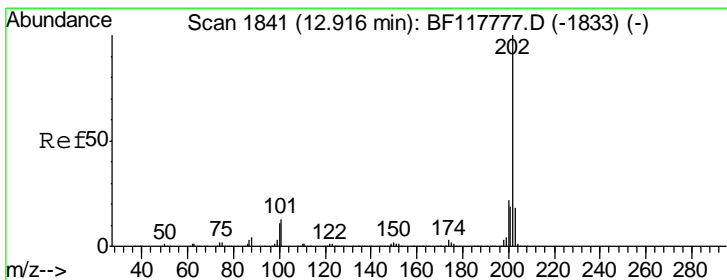
Instrument :  
 BNA\_F  
 ClientSampled :

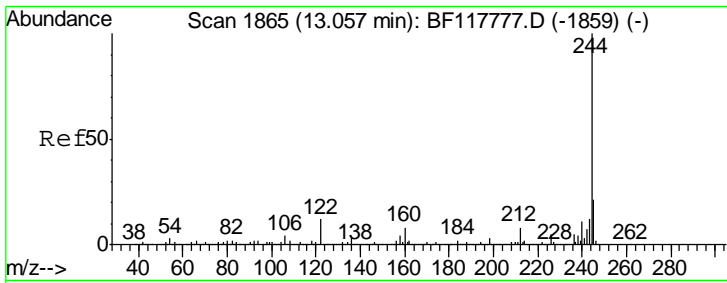
Tgt Ion	Resp	Lower	Upper
240	285226		
120	10.7	9.5	14.3
236	27.1	21.3	31.9



#78  
 Pyrene  
 Concen: 53.755 ng  
 RT: 12.88 min Scan# 1835  
 Delta R.T. -0.01 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

Tgt Ion	Resp	Lower	Upper
202	1239092		
200	21.6	17.8	26.8
203	18.1	14.6	22.0

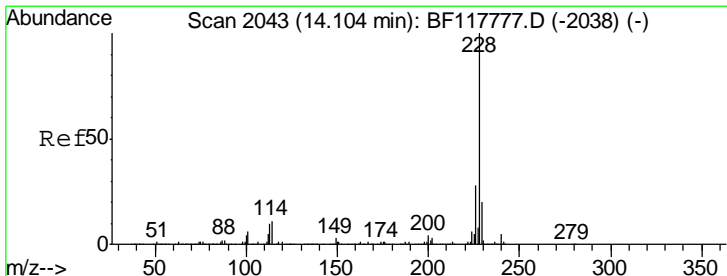
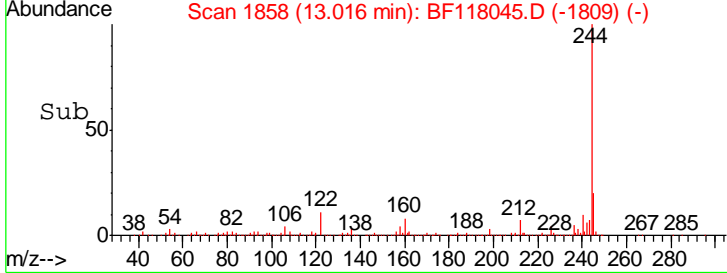
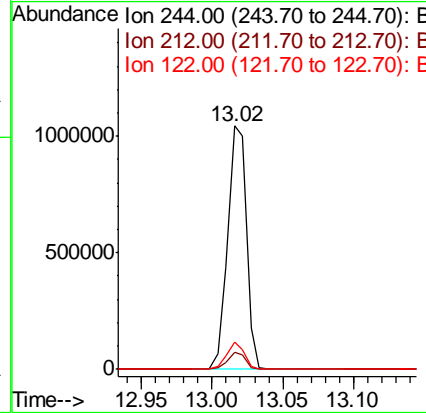
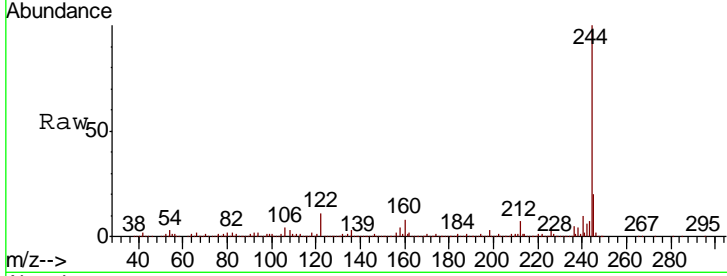




#79  
 Terphenyl-d14  
 Concen: 62.047 ng  
 RT: 13.02 min Scan# 1858  
 Delta R.T. -0.01 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

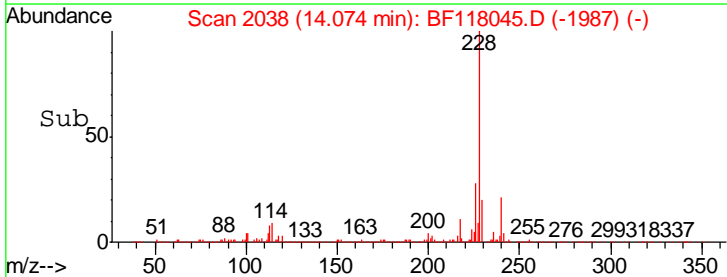
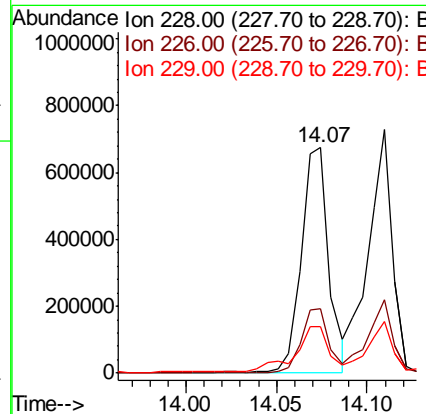
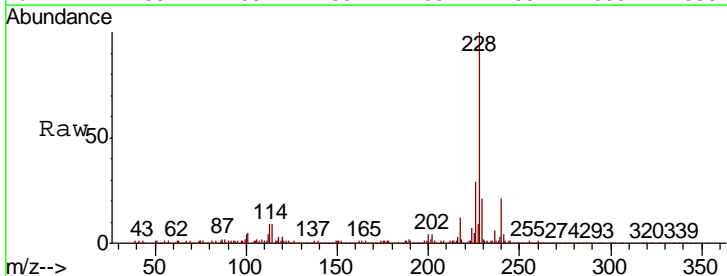
Instrument :  
 BNA\_F  
 ClientSampleId :

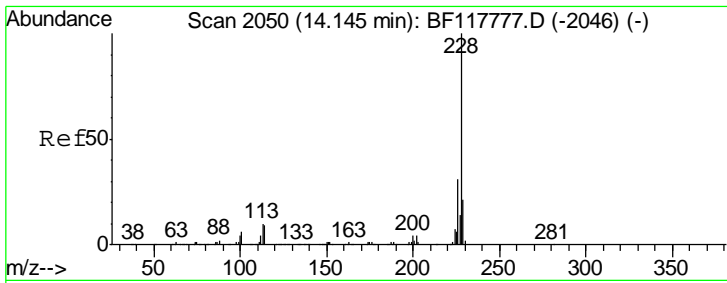
Tgt Ion	Resp	Lower	Upper
244	100		
212	6.8	6.3	9.5
122	11.5	9.4	14.2



#81  
 Benzo(a)anthracene  
 Concen: 38.187 ng  
 RT: 14.07 min Scan# 2038  
 Delta R.T. 0.00 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

Tgt Ion	Resp	Lower	Upper
228	100		
226	28.6	22.2	33.2
229	20.7	15.9	23.9



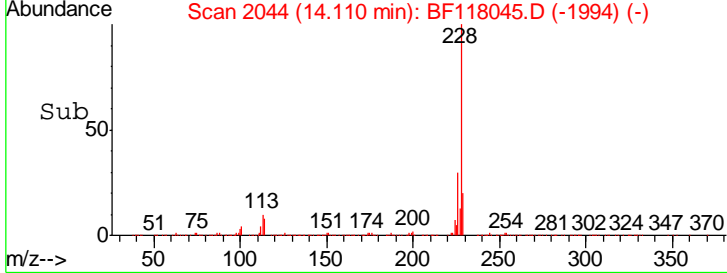
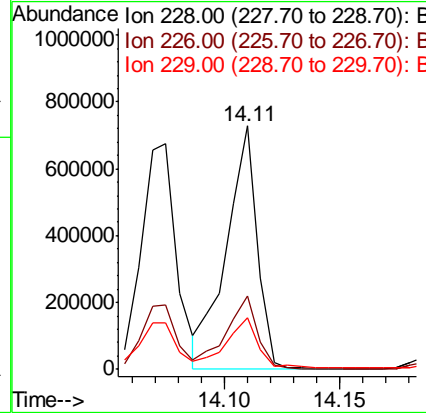
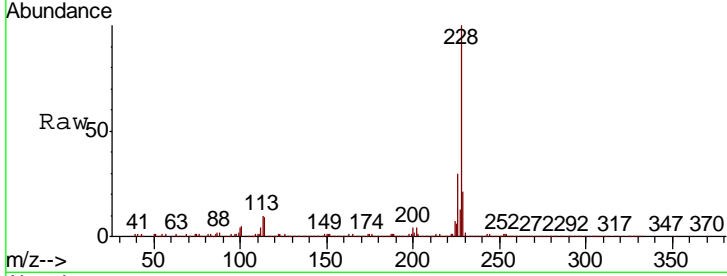


#83

Chrysene  
 Concen: 36.989 ng  
 RT: 14.11 min Scan# 2044  
 Delta R.T. -0.01 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

Instrument :  
 BNA\_F  
 ClientSampled :

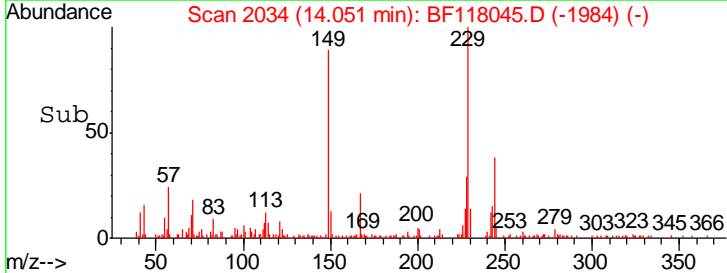
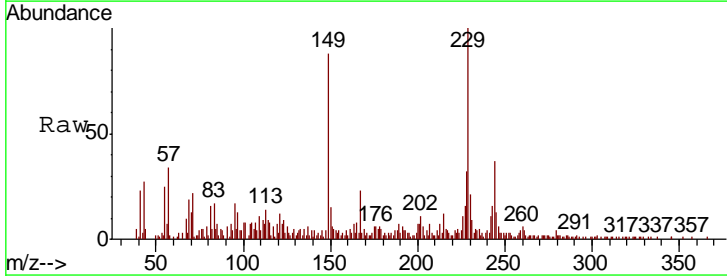
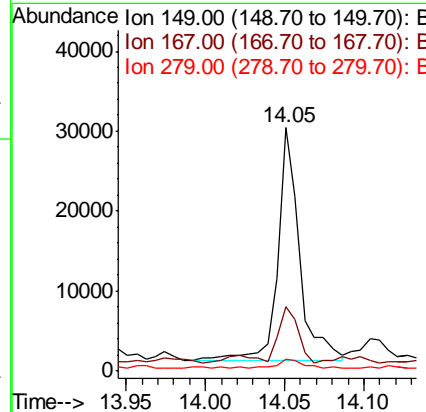
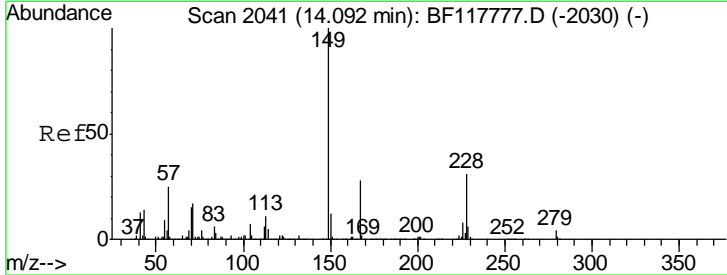
Tgt Ion	Resp	Lower	Upper
228	100		
226	30.1	25.0	37.4
229	21.4	16.6	25.0

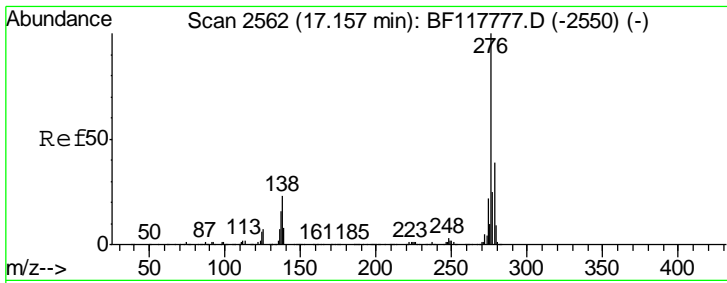


#84

Bis(2-ethylhexyl)phthalate  
 Concen: 2.295 ng  
 RT: 14.05 min Scan# 2034  
 Delta R.T. -0.01 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

Tgt Ion	Resp	Lower	Upper
149	100		
167	26.6	22.2	33.2
279	4.8	3.4	5.2

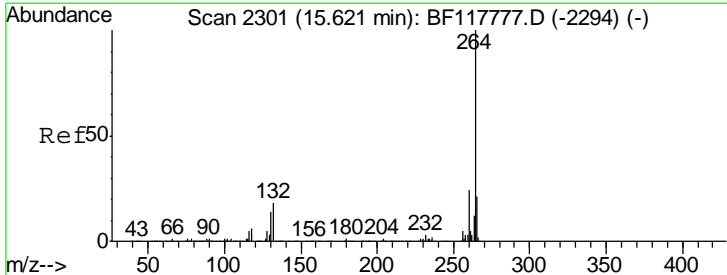
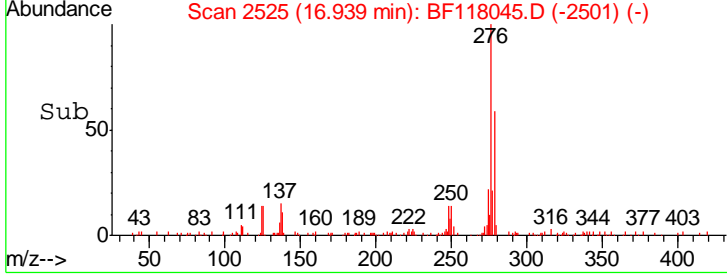
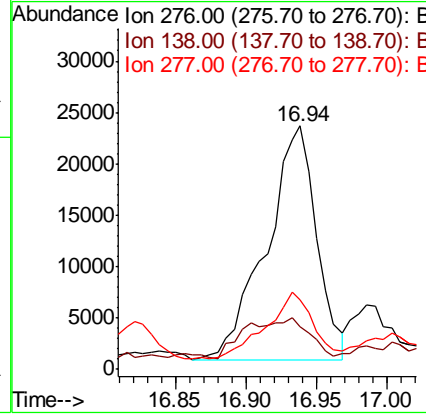
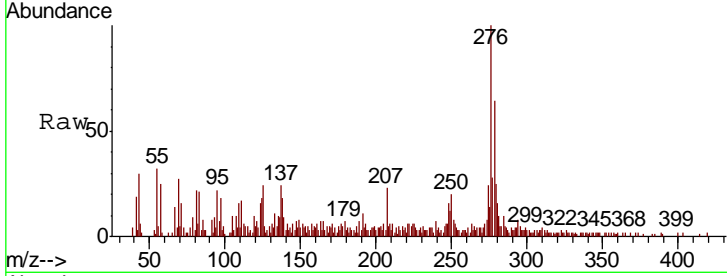




#86  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.638 ng  
 RT: 16.94 min Scan# 2525  
 Delta R.T. -0.16 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

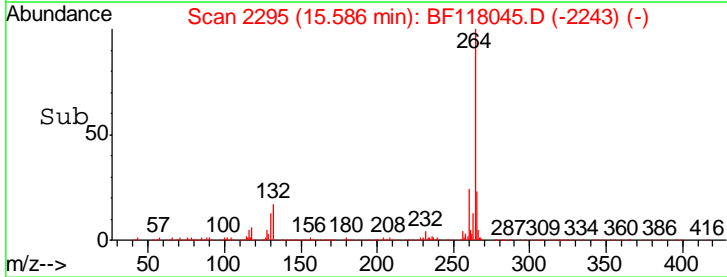
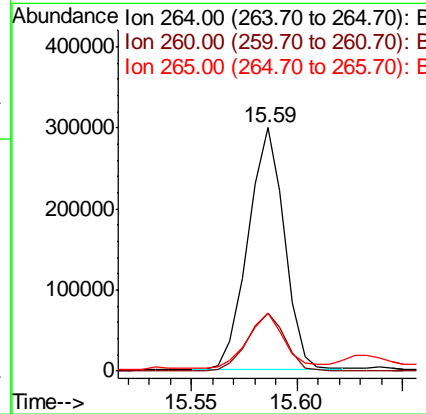
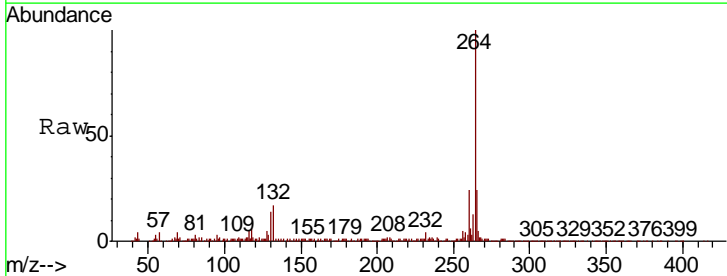
Instrument :  
 BNA\_F  
 ClientSampled :

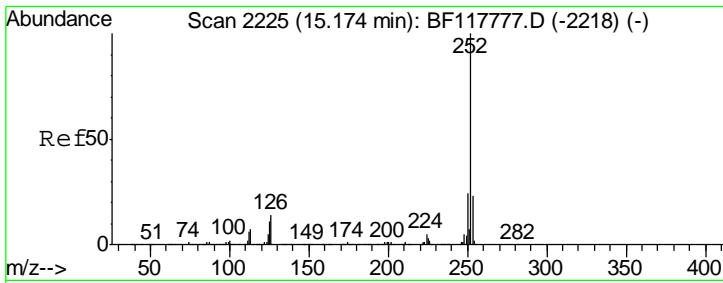
Tgt Ion	Resp	Lower	Upper
276	56554		
138	22.3	20.9	31.3
277	26.7	20.3	30.5



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.59 min Scan# 2295  
 Delta R.T. 0.01 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

Tgt Ion	Resp	Lower	Upper
264	356728		
260	24.1	19.4	29.0
265	23.6	17.1	25.7



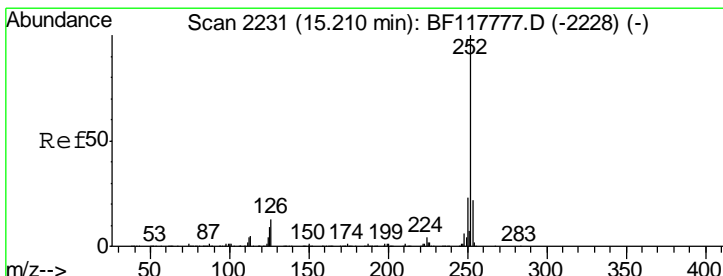
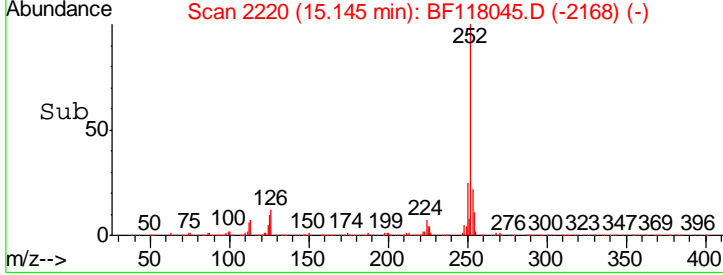
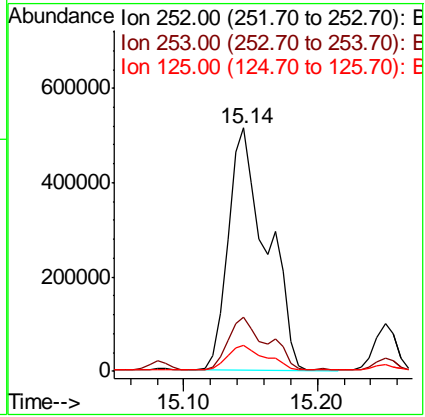
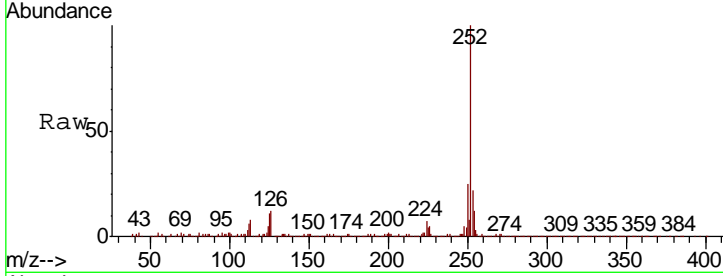


#88  
 Benzo(b)fluoranthene  
 Concen: 44.402 ng  
 RT: 15.14 min Scan# 2220  
 Delta R.T. 0.01 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion: 252 Resp: 1029091

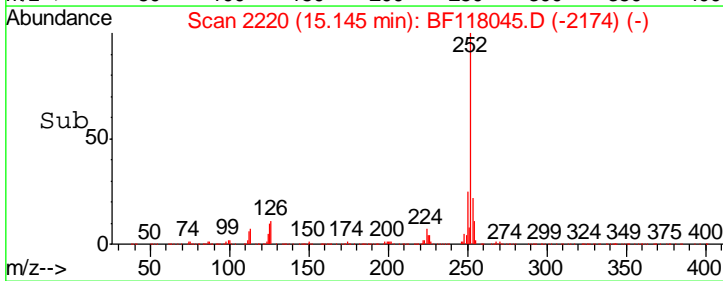
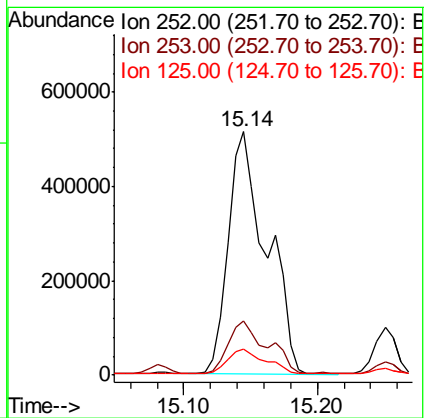
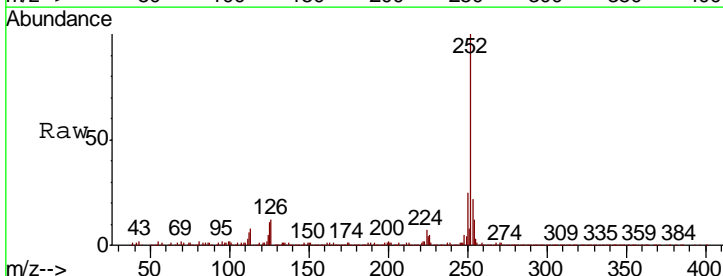
Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	10.7	8.6	13.0



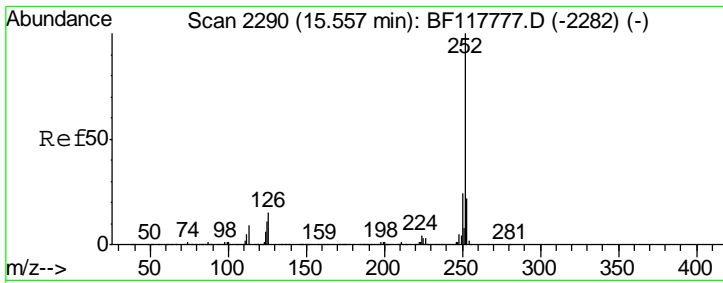
#89  
 Benzo(k)fluoranthene  
 Concen: 47.124 ng  
 RT: 15.14 min Scan# 2220  
 Delta R.T. -0.03 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

Tgt Ion: 252 Resp: 1029091

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	10.7	7.9	11.9



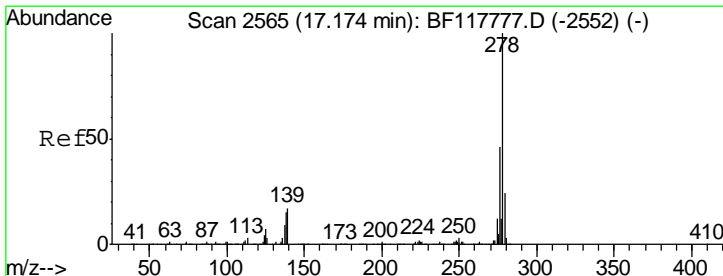
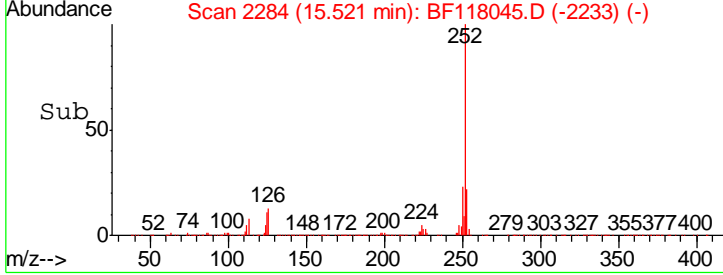
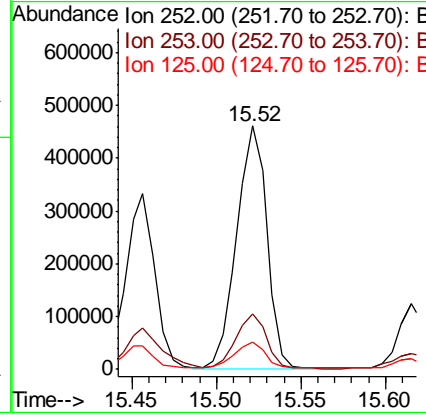
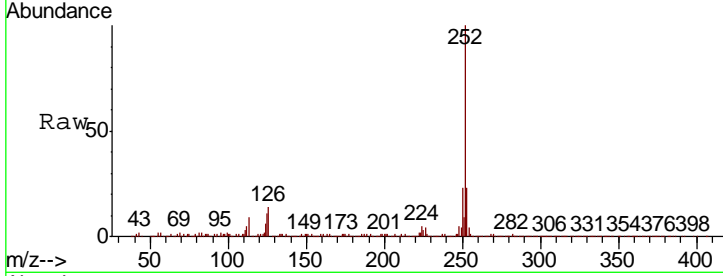




#90  
 Benzo(a)pyrene  
 Concen: 28.114 ng  
 RT: 15.52 min Scan# 2284  
 Delta R.T. 0.00 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

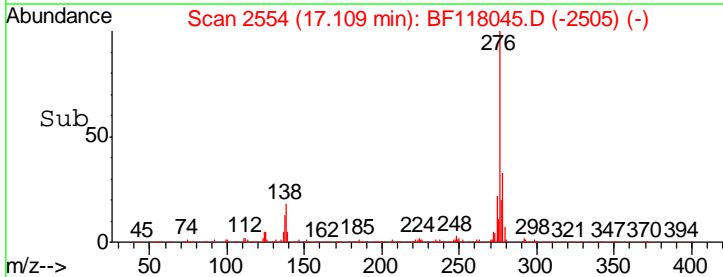
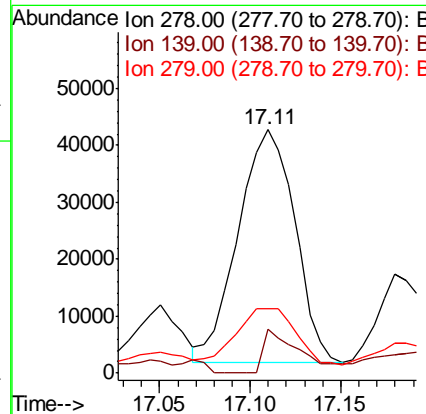
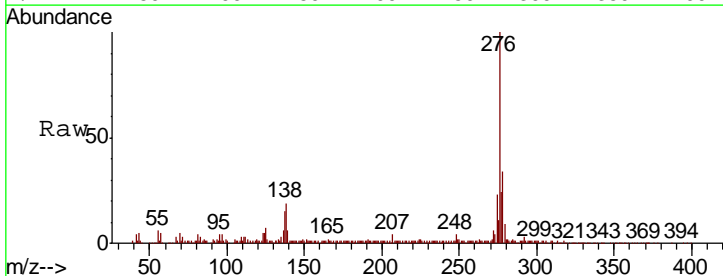
Instrument :  
 BNA\_F  
 ClientSampled :

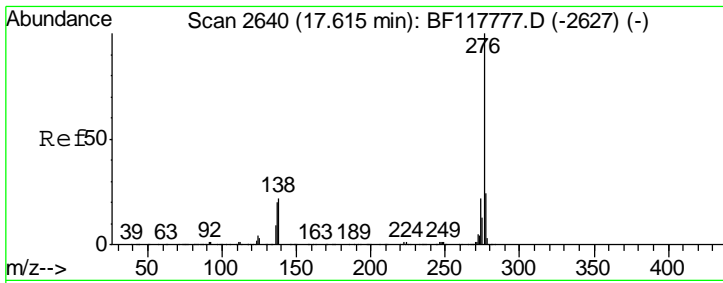
Tgt Ion	Resp	Lower	Upper
252	572963		
253	22.7	17.8	26.6
125	11.3	9.2	13.8



#91  
 Dibenzo(a,h)anthracene  
 Concen: 5.064 ng  
 RT: 17.11 min Scan# 2554  
 Delta R.T. -0.01 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

Tgt Ion	Resp	Lower	Upper
278	88826		
139	18.2	13.8	20.8
279	26.6	19.6	29.4





#92  
 Benzo(a,h,i)perylene  
 Concen: 13.060 ng  
 RT: 17.56 min Scan# 2631  
 Delta R.T. 0.01 min  
 Lab File: BF118045.D  
 Acq: 27 Nov 2019 17:15

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion	Resp	Lower	Upper
276	100		
277	24.2	18.9	28.3
138	20.6	17.4	26.2

