

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\  
 Data File : BF118329.D  
 Acq On : 26 Dec 2019 21:11  
 Operator : JU  
 Sample : K6396-08 2X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 27 03:27:07 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	141256	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	552814	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	262595	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	378195	20.00	ng	0.00
76) Chrysene-d12	14.05	240	327306	20.00	ng	0.00
87) Perylene-d12	15.54	264	264530	20.00	ng	0.00

## System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	303024	36.62	ng	0.00
7) Phenol-d6	6.48	99	390816	38.07	ng	0.00
23) Nitrobenzene-d5	7.42	82	230076	23.80	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	79864	24.63	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	443405	25.78	ng	0.00
79) Terphenyl-d14	12.98	244	349098	17.69	ng	0.00

## Target Compounds

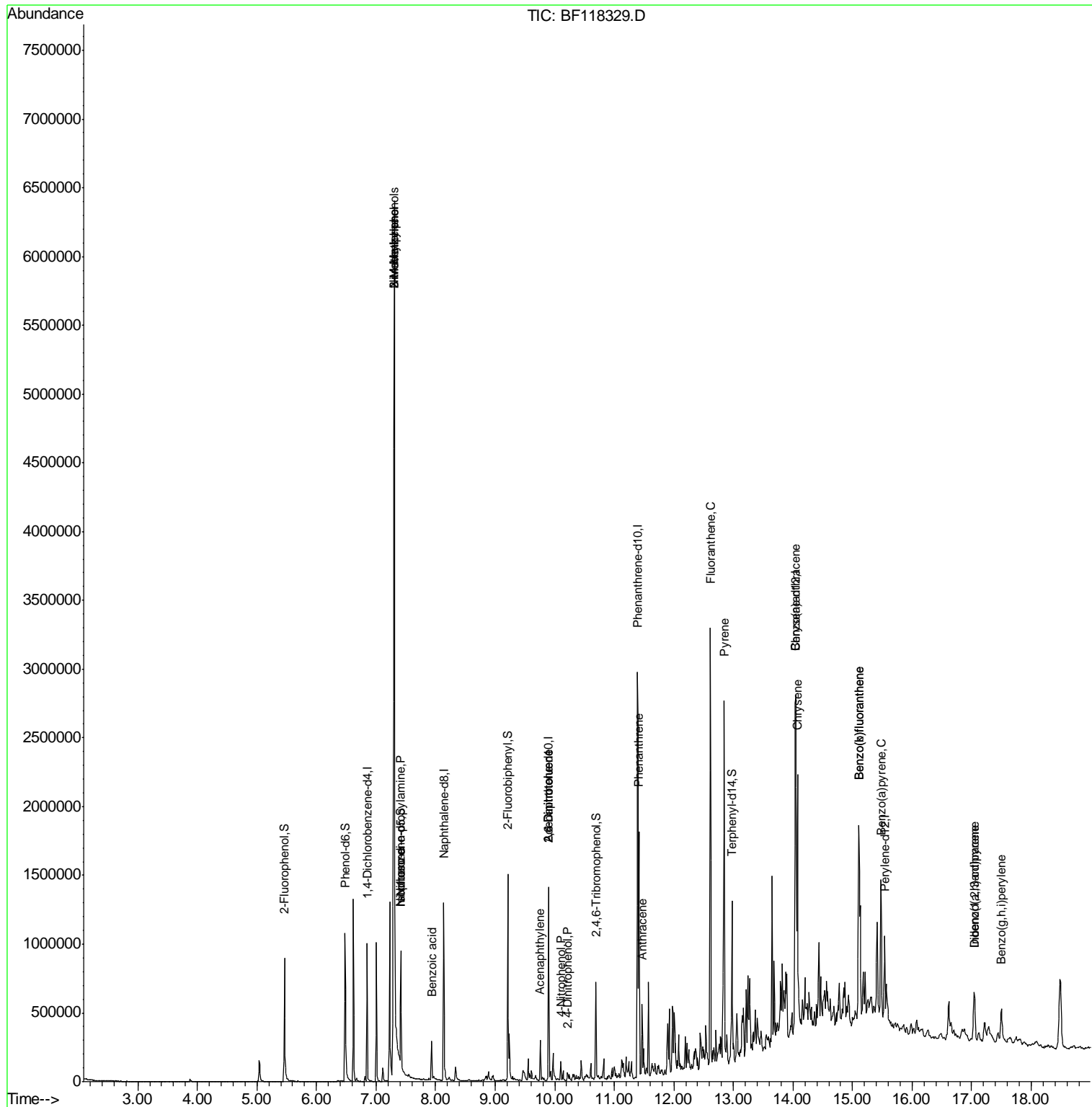
						Qvalue
17) 2-Methylphenol	7.31	107	2304233	306.533	ng	# 29
19) n-Nitroso-di-n-propylamine	7.42	70	30193	4.774	ng	# 76
20) 3+4-Methylphenols	7.31	107	2456037	255.285	ng	# 19
24) Nitrobenzene	7.30	77	576433	59.536	ng	# 42
25) Isophorone	7.42	82	230072	13.658	ng	# 62
32) Benzoic acid	7.93	122	133	5.697	ng	# 1
49) Acenaphthylene	9.76	152	122427	4.938	ng	97
51) 2,6-Dinitrotoluene	9.90	165	34499	8.118	ng	# 27
54) 2,4-Dinitrophenol	10.22	184	1914	6.020	ng	# 66
56) 4-Nitrophenol	10.10	139	14476	4.701	ng	# 8
57) 2,4-Dinitrotoluene	9.90	165	34499	6.075	ng	# 30
71) Phenanthrene	11.42	178	612828	29.724	ng	99
72) Anthracene	11.47	178	187195	9.071	ng	98
75) Fluoranthene	12.62	202	1175259	56.483	ng	98
78) Pyrene	12.84	202	1024475	38.330	ng	99
81) Benzo(a)anthracene	14.04	228	901018	39.328	ng	96
83) Chrysene	14.07	228	650103	29.635	ng	97
86) Indeno(1,2,3-cd)pyrene	17.04	276	227269	12.159	ng	97
88) Benzo(b)fluoranthene	15.11	252	1164714	66.330	ng	97
89) Benzo(k)fluoranthene	15.11	252	1164714	69.081	ng	98
90) Benzo(a)pyrene	15.48	252	485176	31.366	ng	96
91) Dibenzo(a,h)anthracene	17.05	278	71989	5.363	ng	# 88
92) Benzo(g,h,i)perylene	17.50	276	185798	14.329	ng	98

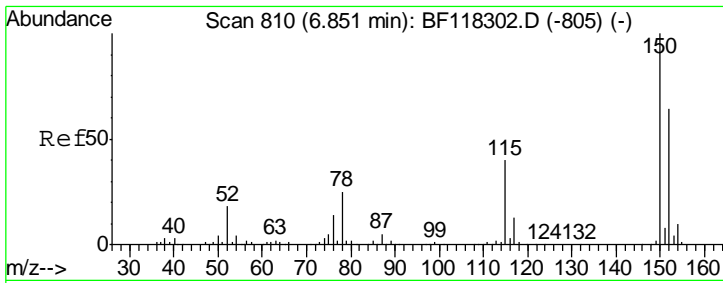
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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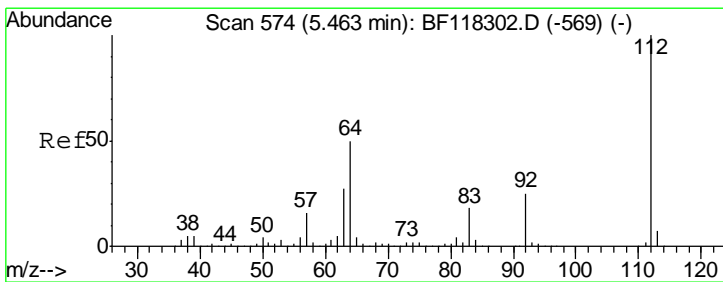
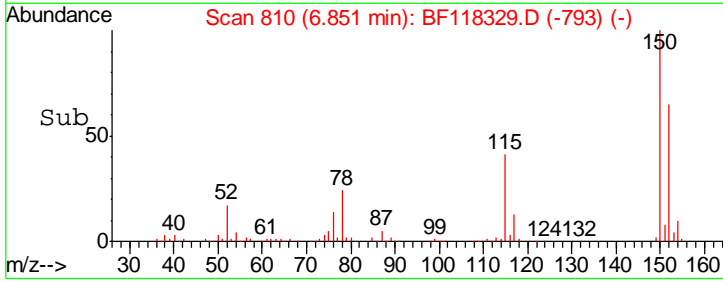
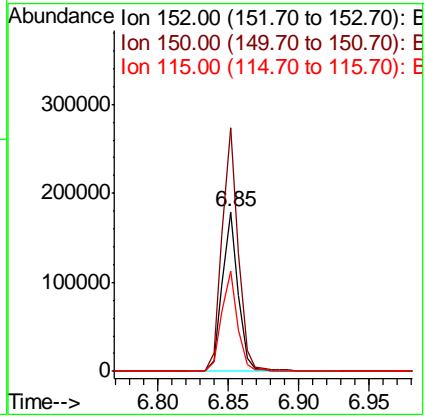
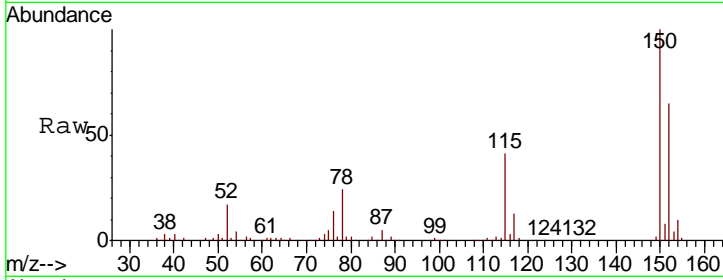




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.85 min Scan# 810  
 Delta R.T. 0.00 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

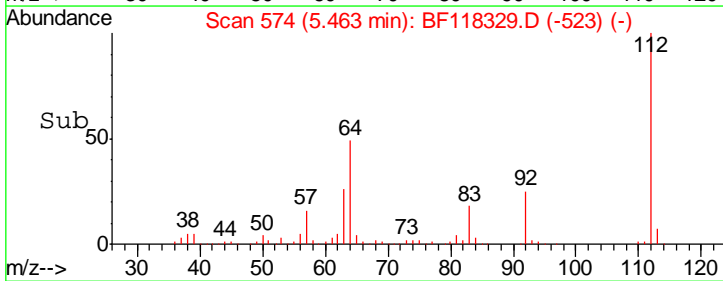
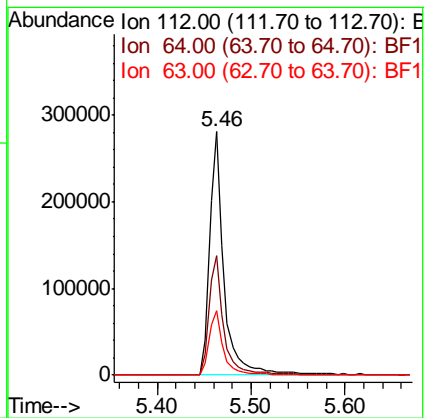
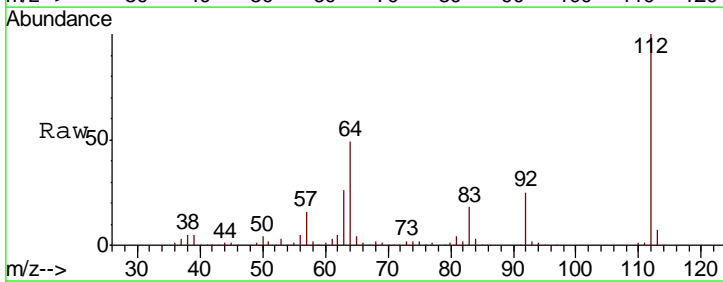
Instrument :  
 BNA\_F  
 ClientSampled :

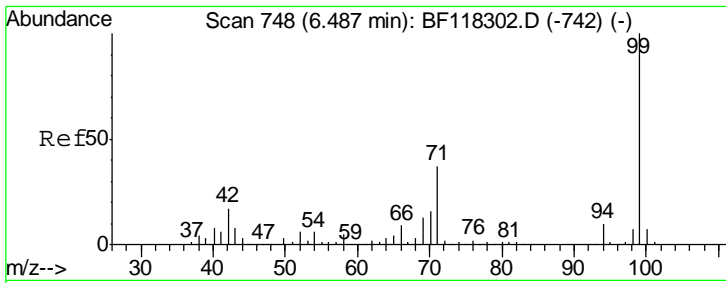
Tgt Ion	Resp	Lower	Upper
152	141256		
150	152.8	125.4	188.2
115	62.8	50.2	75.4



#5  
 2-Fluorophenol  
 Concen: 36.619 ng  
 RT: 5.46 min Scan# 574  
 Delta R.T. 0.00 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

Tgt Ion	Resp	Lower	Upper
112	303024		
64	48.9	39.7	59.5
63	26.5	21.7	32.5

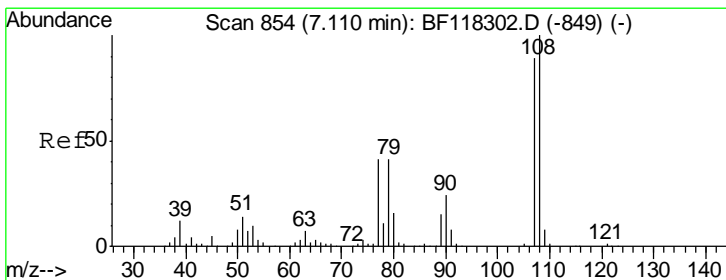
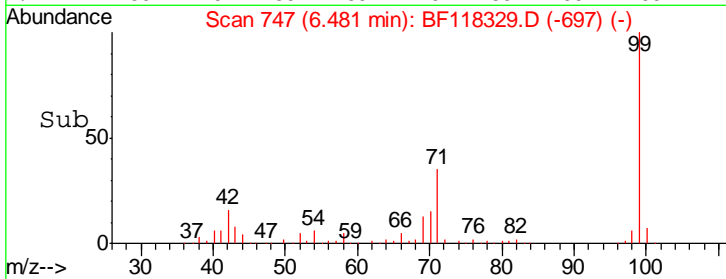
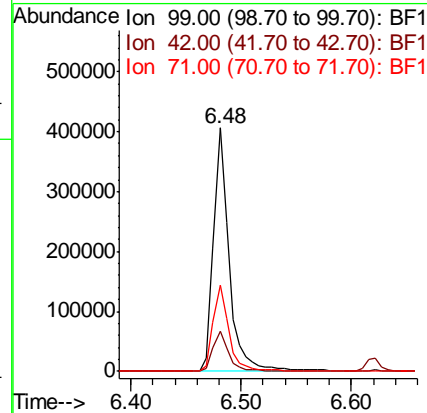
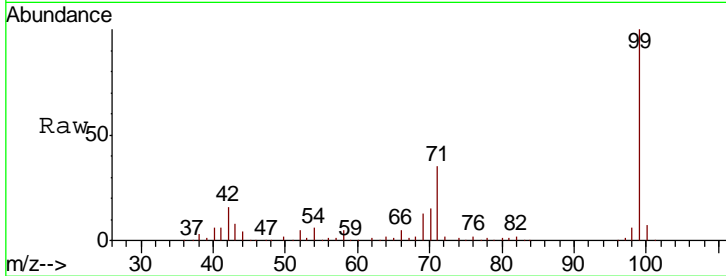




#7  
 Phenol-d6  
 Concen: 38.071 ng  
 RT: 6.48 min Scan# 747  
 Delta R.T. -0.01 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

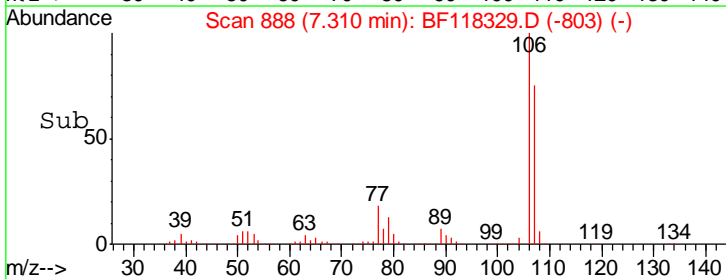
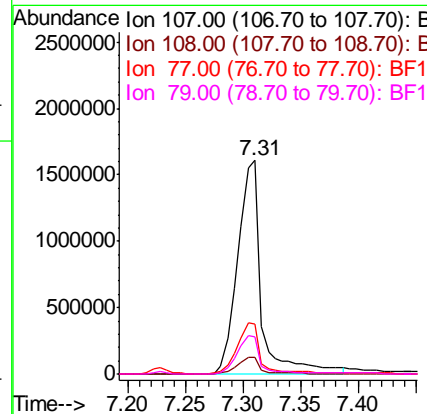
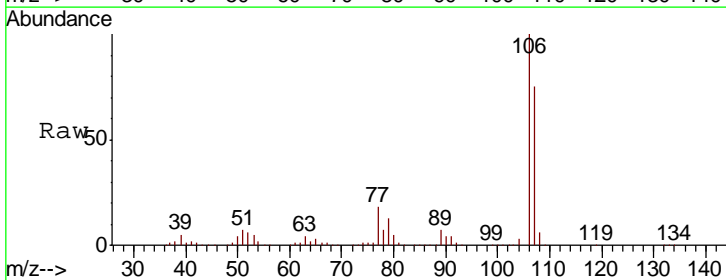
Instrument :  
 BNA\_F  
 ClientSampled :

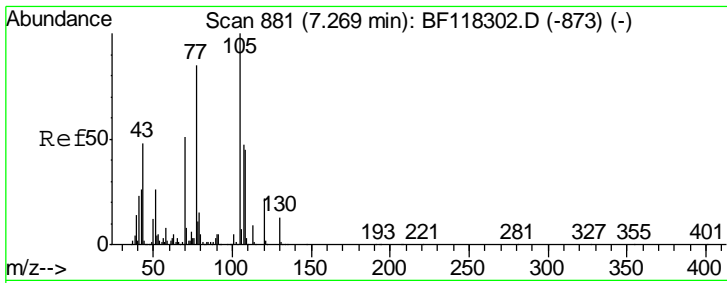
Tgt Ion	Resp	Lower	Upper
99	390816		
42	16.5	13.5	20.3
71	35.4	29.4	44.2



#17  
 2-Methylphenol  
 Concen: 306.533 ng  
 RT: 7.31 min Scan# 888  
 Delta R.T. 0.20 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

Tgt Ion	Resp	Lower	Upper
107	2304233		
108	7.8	89.7	134.5#
77	23.5	37.2	55.8#
79	17.1	36.7	55.1#

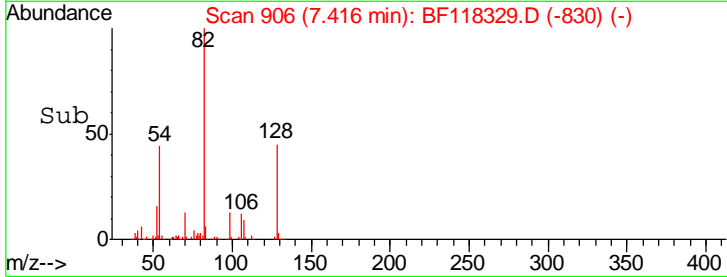
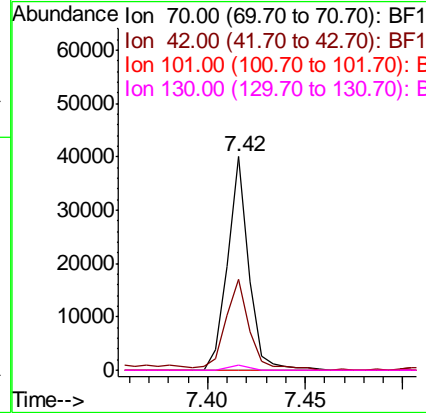
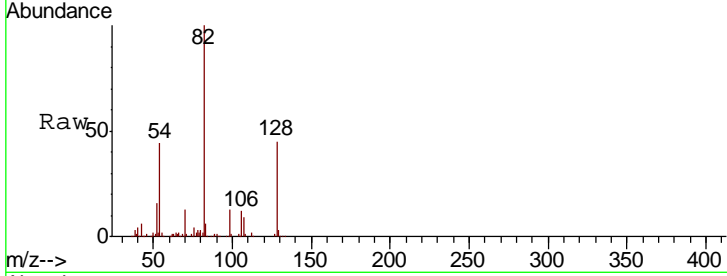




#19  
 n-Nitroso-di-n-propylamine  
 Concen: 4.774 ng  
 RT: 7.42 min Scan# 906  
 Delta R.T. 0.15 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

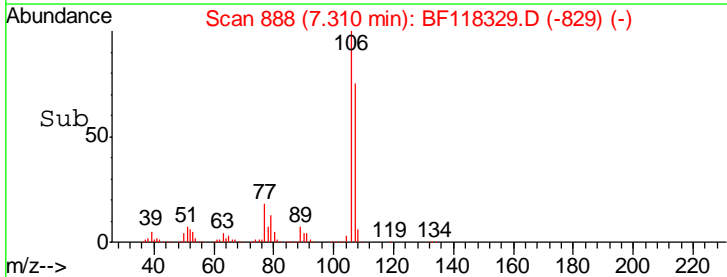
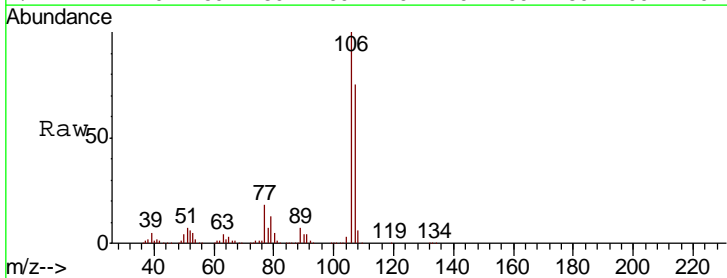
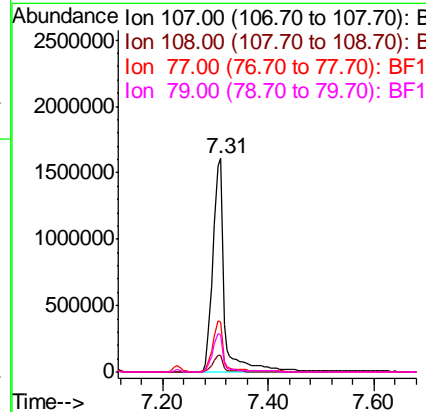
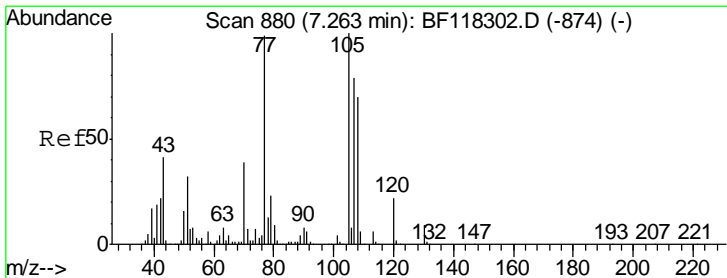
Instrument :  
 BNA\_F  
 ClientSampled :

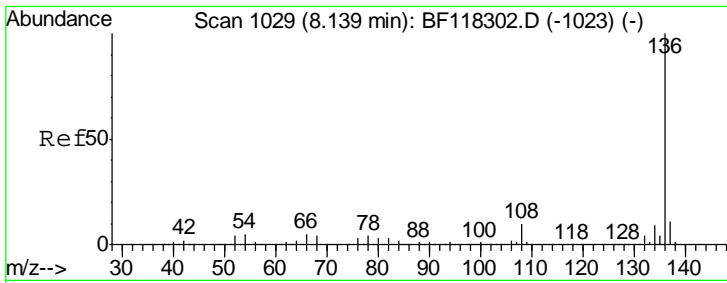
Tgt Ion	Resp	Lower	Upper
70	30193		
70	100		
42	42.5	41.1	61.7
101	0.0	8.3	12.5#
130	2.4	20.1	30.1#



#20  
 3+4-Methylphenols  
 Concen: 255.285 ng  
 RT: 7.31 min Scan# 888  
 Delta R.T. 0.05 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

Tgt Ion	Resp	Lower	Upper
107	2456037		
107	100		
108	7.8	69.3	109.3#
77	23.5	105.9	145.9#
79	17.1	9.2	49.2



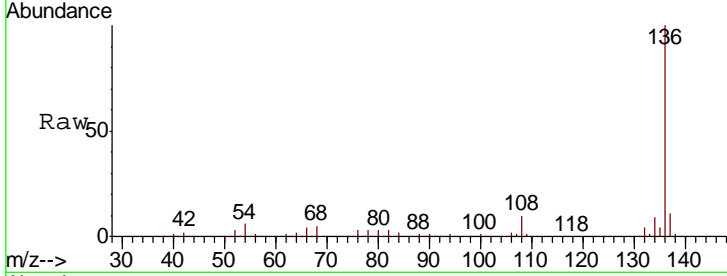


#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 8.14 min Scan# 1029  
 Delta R.T. 0.00 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

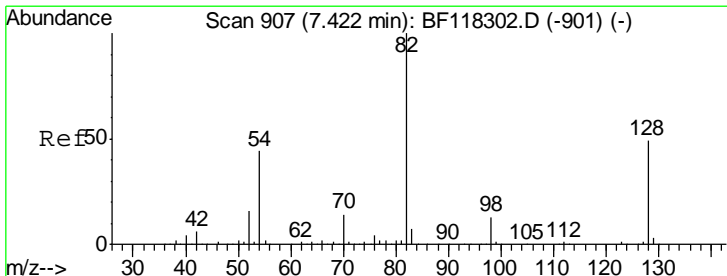
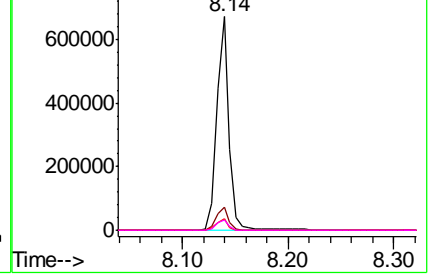
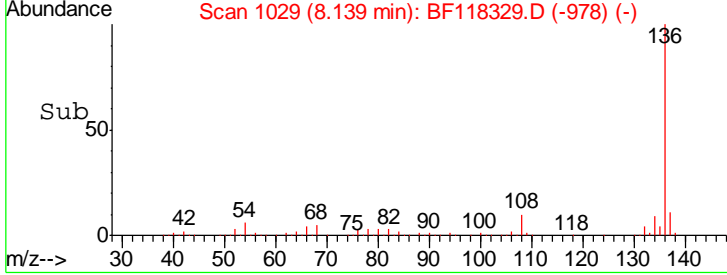
Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion: 136 Resp: 552814

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	5.6	4.2	6.4
68	4.5	3.5	5.3



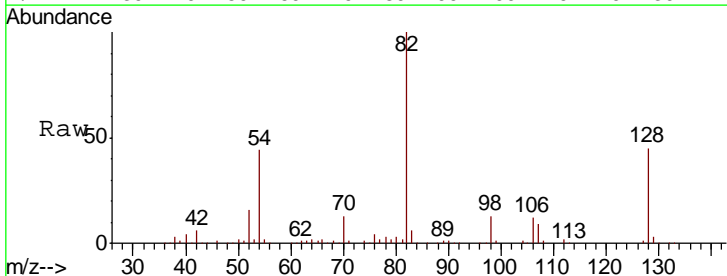
Abundance Ion 136.00 (135.70 to 136.70): E  
 Ion 137.00 (136.70 to 137.70): E  
 Ion 54.00 (53.70 to 54.70): BF1  
 Ion 68.00 (67.70 to 68.70): BF1



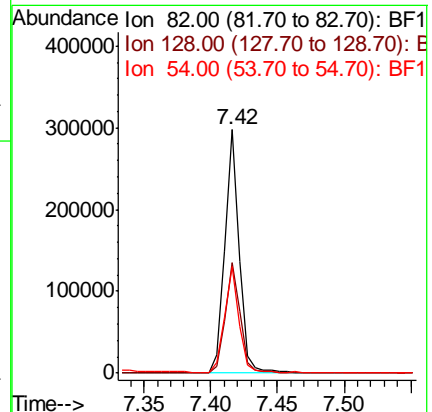
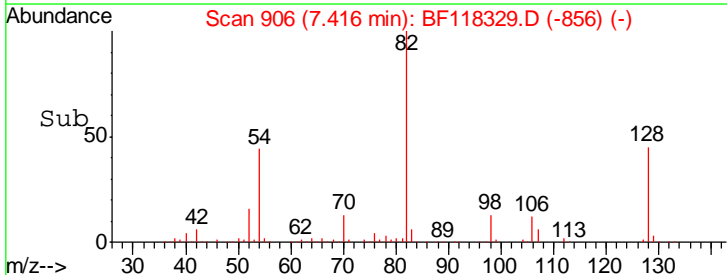
#23  
 Nitrobenzene-d5  
 Concen: 23.804 ng  
 RT: 7.42 min Scan# 906  
 Delta R.T. -0.01 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

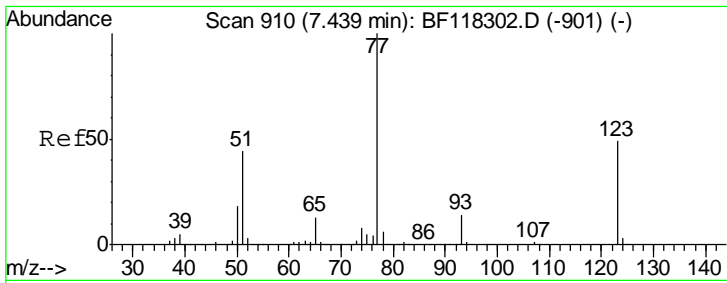
Tgt Ion: 82 Resp: 230076

Ion	Ratio	Lower	Upper
82	100		
128	45.3	39.6	59.4
54	43.7	34.9	52.3



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

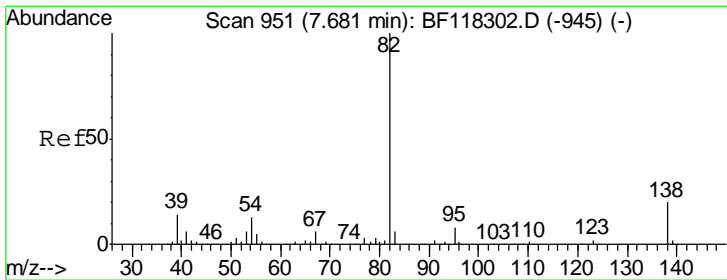
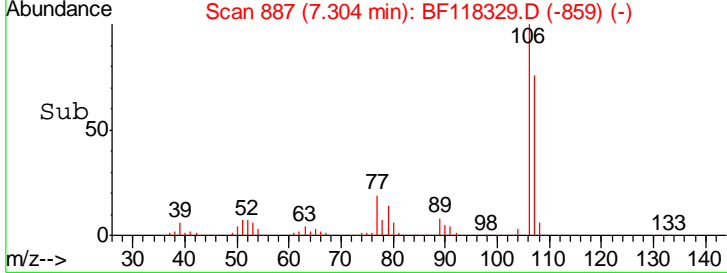
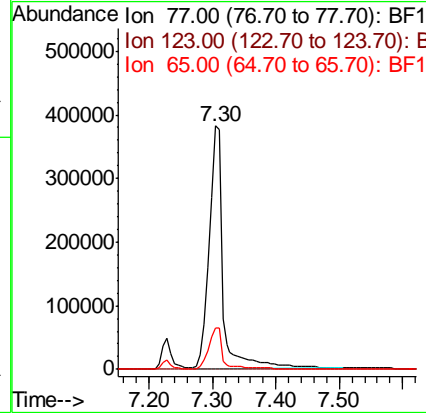
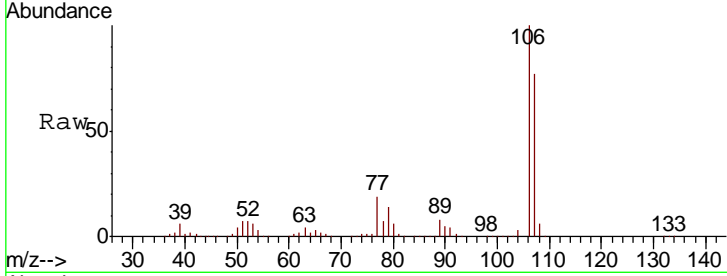




#24  
 Nitrobenzene  
 Concen: 59.536 ng  
 RT: 7.30 min Scan# 887  
 Delta R.T. -0.14 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

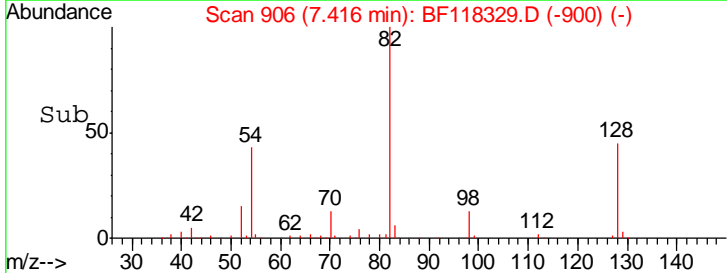
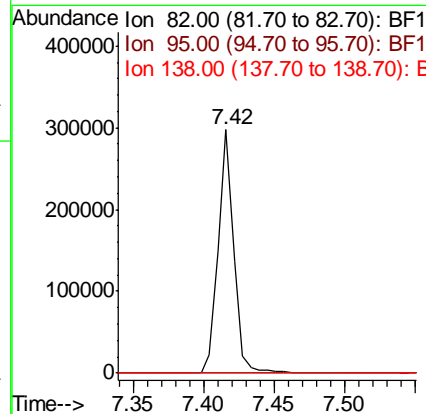
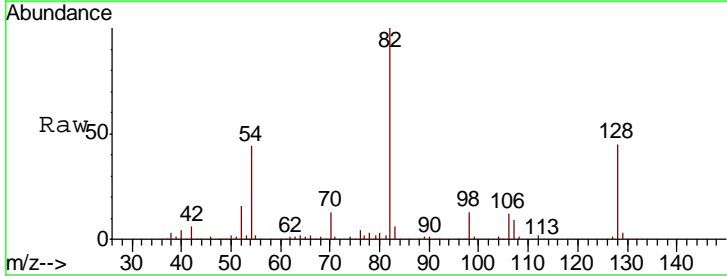
Instrument :  
 BNA\_F  
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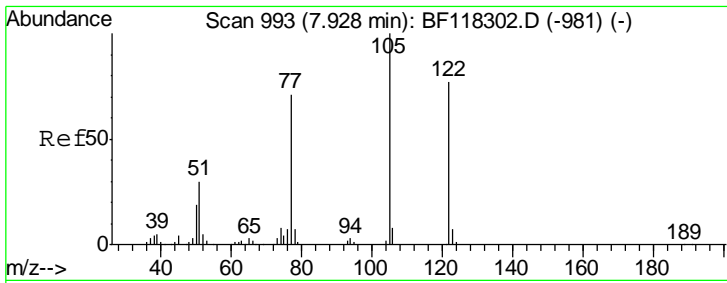
Tgt Ion	Resp	Lower	Upper
77	100		
123	0.0	39.1	58.7#
65	17.1	10.6	16.0#



#25  
 Isophorone  
 Concen: 13.658 ng  
 RT: 7.42 min Scan# 906  
 Delta R.T. -0.26 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

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

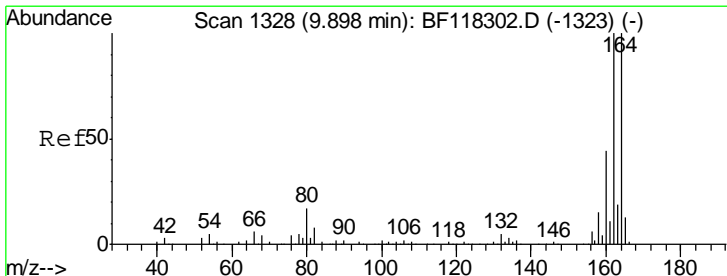
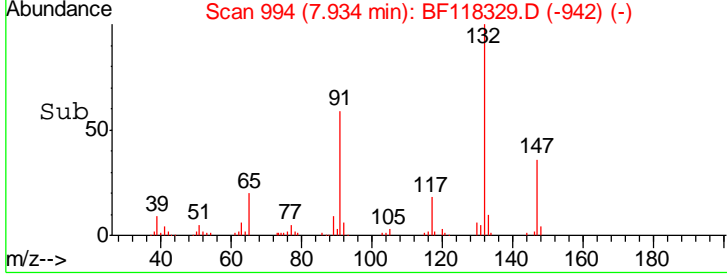
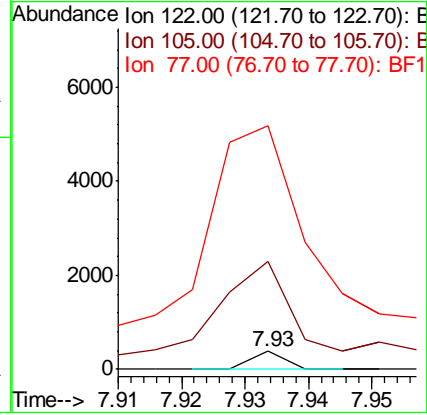
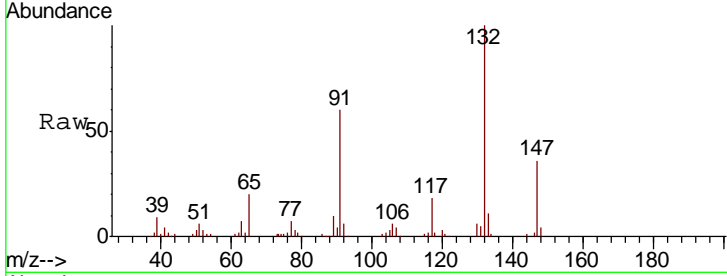




#32  
 Benzoic acid  
 Concen: 5.697 ng  
 RT: 7.93 min Scan# 994  
 Delta R.T. 0.01 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

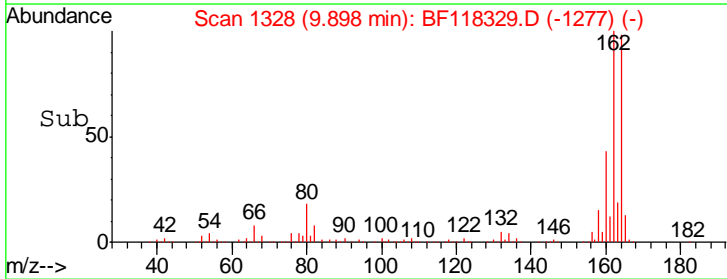
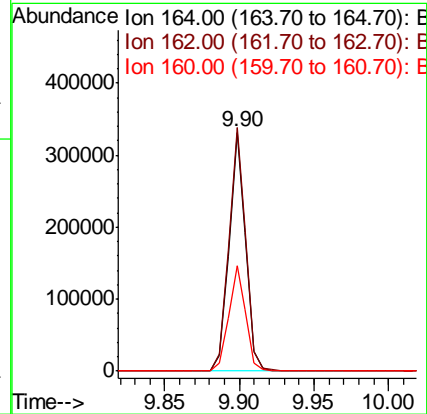
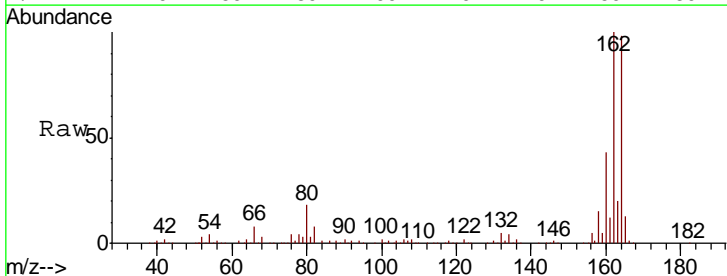
Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
122	133		
105	604.0	106.8	146.8#
77	1370.1	70.4	110.4#

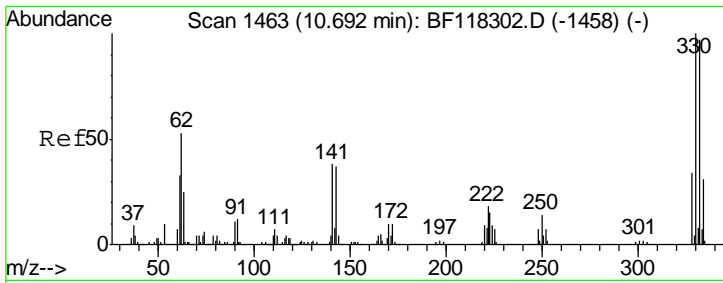


#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.90 min Scan# 1328  
 Delta R.T. 0.00 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

Tgt Ion	Resp	Lower	Upper
164	262595		
162	101.9	80.0	120.0
160	44.1	34.8	52.2



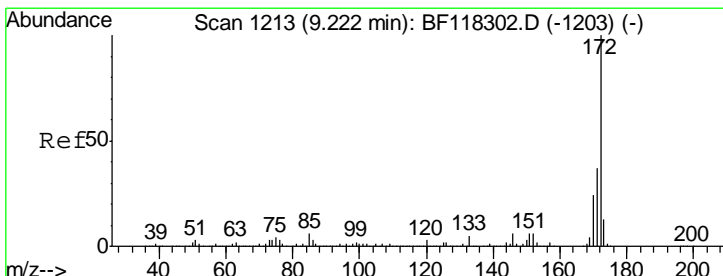
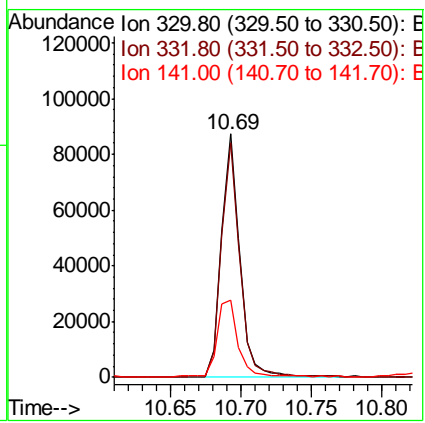
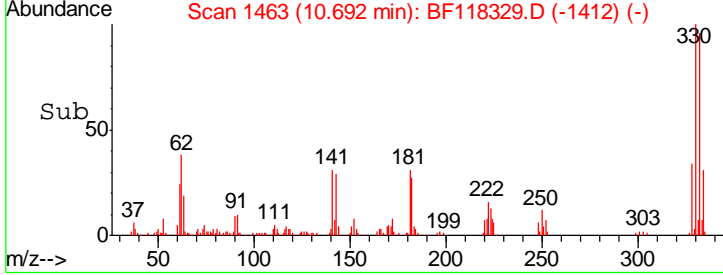
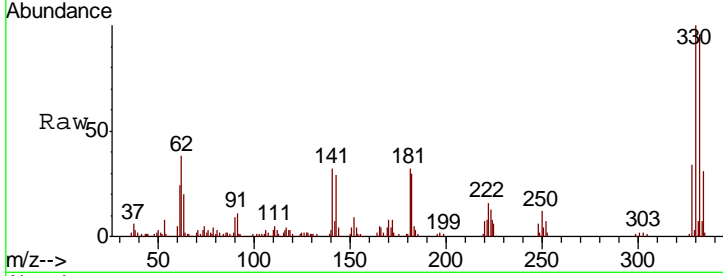




#42  
 2,4,6-Tribromophenol  
 Concen: 24.628 ng  
 RT: 10.69 min Scan# 1463  
 Delta R.T. 0.00 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

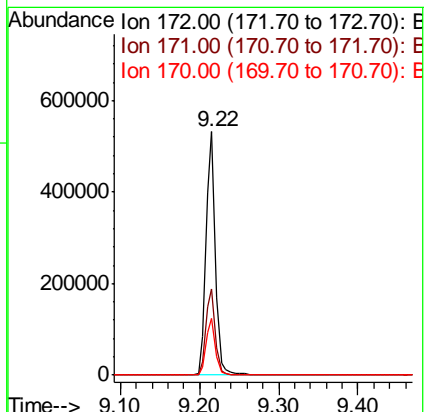
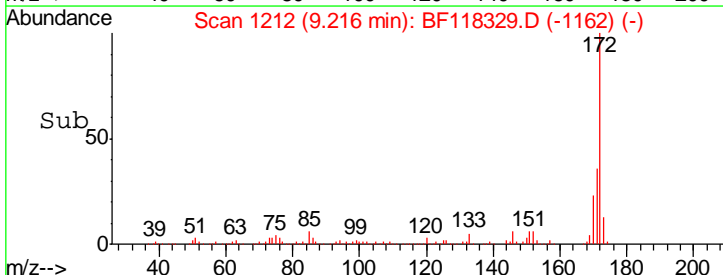
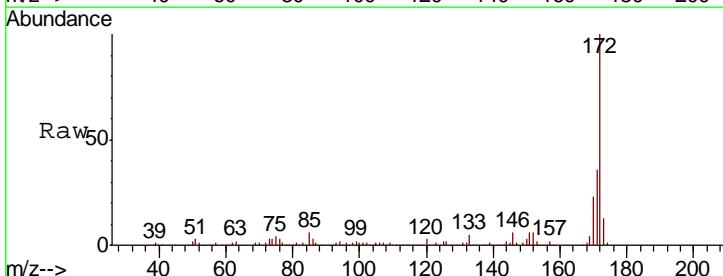
Instrument :  
 BNA\_F  
 ClientSampled :

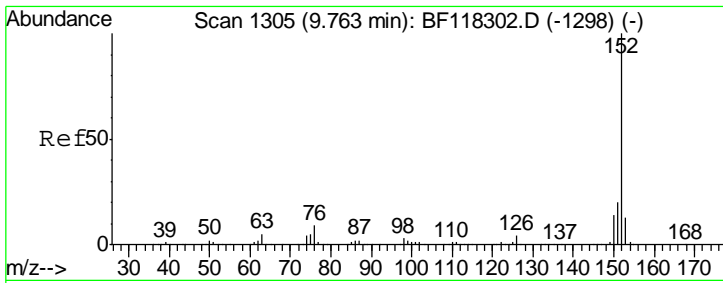
Tgt Ion	Resp	Lower	Upper
330	100		
332	97.4	76.6	114.8
141	37.9	26.0	39.0



#45  
 2-Fluorobiphenyl  
 Concen: 25.775 ng  
 RT: 9.22 min Scan# 1212  
 Delta R.T. -0.01 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

Tgt Ion	Resp	Lower	Upper
172	100		
171	35.7	29.3	43.9
170	23.1	19.2	28.8

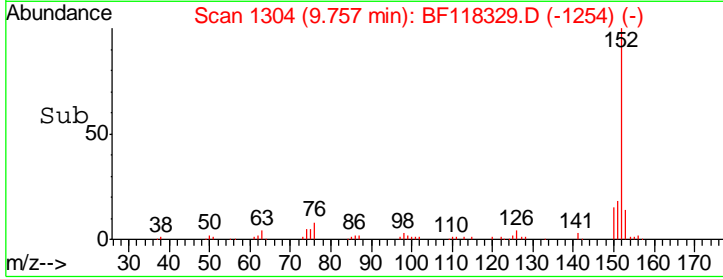
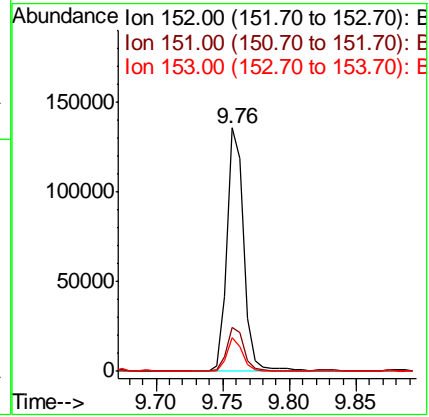
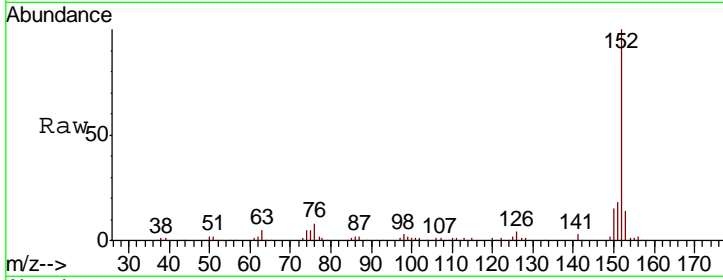




#49  
 Acenaphthylene  
 Concen: 4.938 ng  
 RT: 9.76 min Scan# 1304  
 Delta R.T. -0.01 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

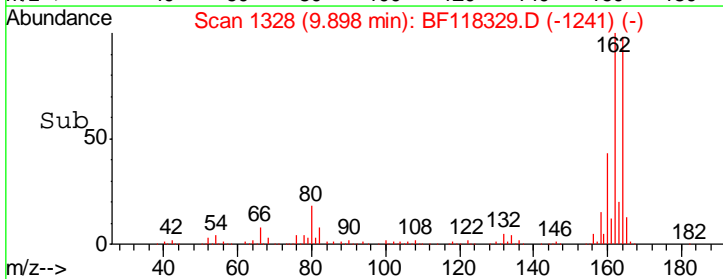
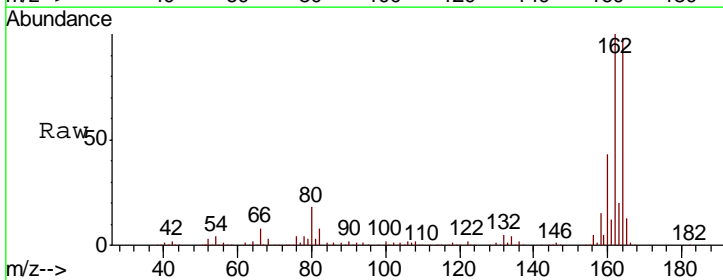
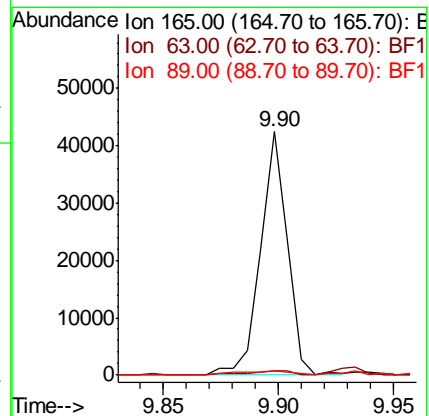
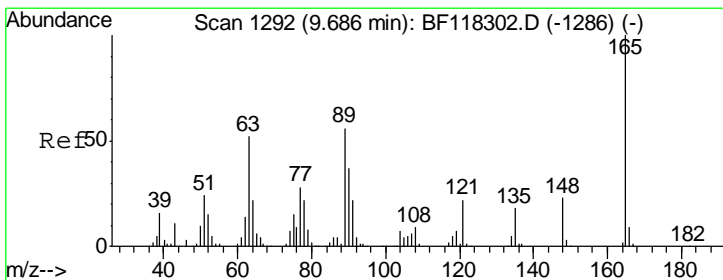
Instrument :  
 BNA\_F  
 ClientSampled :

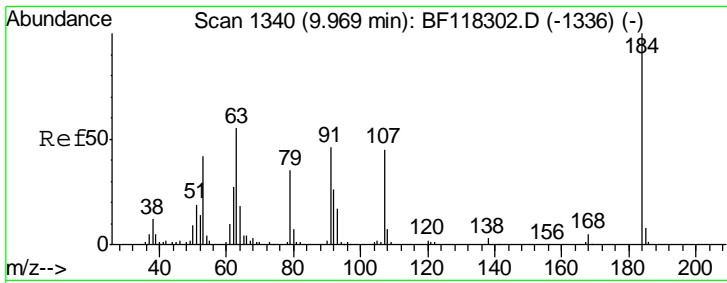
Tgt Ion	Resp	Lower	Upper
152	122427		
151	18.2	16.2	24.2
153	13.7	10.5	15.7



#51  
 2,6-Dinitrotoluene  
 Concen: 8.118 ng  
 RT: 9.90 min Scan# 1328  
 Delta R.T. 0.21 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

Tgt Ion	Resp	Lower	Upper
165	34499		
63	1.8	42.2	63.4#
89	1.7	44.4	66.6#

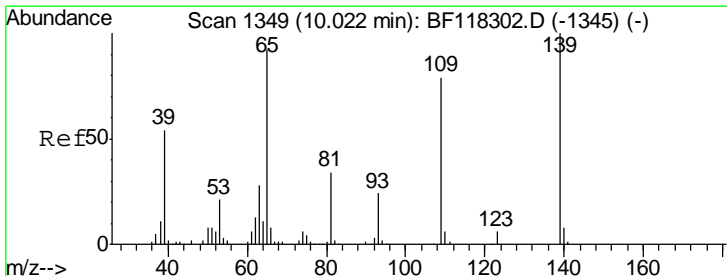
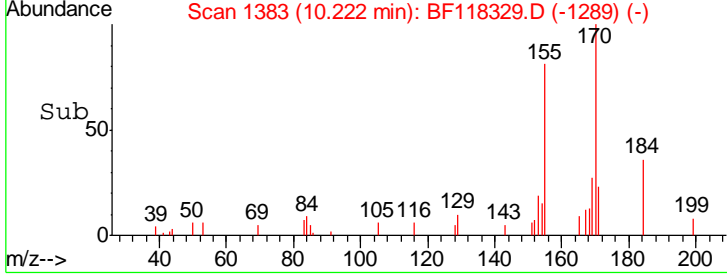
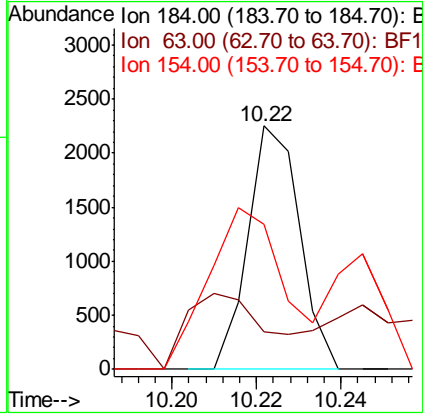
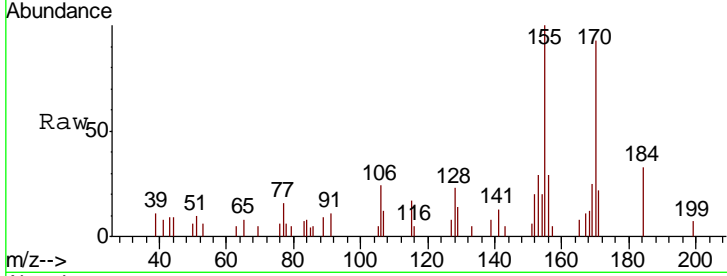




#54  
 2,4-Dinitrophenol  
 Concen: 6.020 ng  
 RT: 10.22 min Scan# 1383  
 Delta R.T. 0.25 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

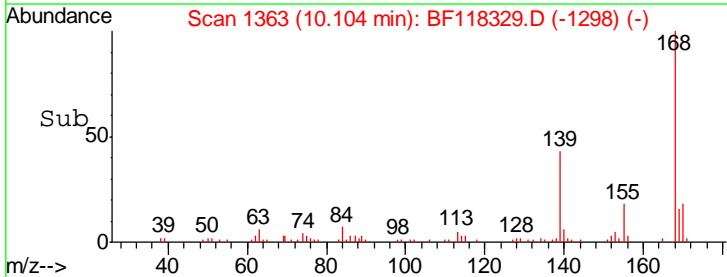
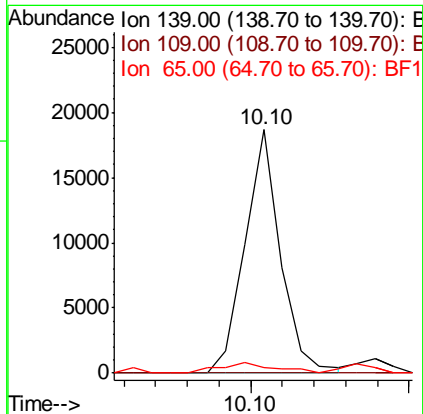
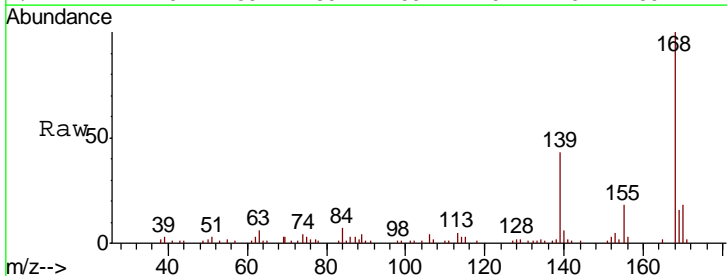
Instrument :  
 BNA\_F  
 ClientSampled :

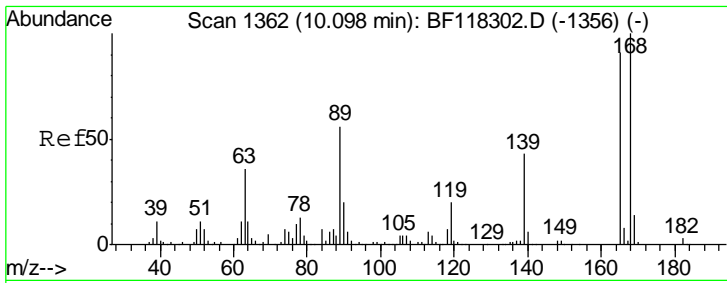
Tgt Ion	Resp	Lower	Upper
184	1914		
63	15.2	48.8	73.2#
154	59.5	55.0	82.4



#56  
 4-Nitrophenol  
 Concen: 4.701 ng  
 RT: 10.10 min Scan# 1363  
 Delta R.T. 0.08 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

Tgt Ion	Resp	Lower	Upper
139	14476		
109	0.0	59.3	99.3#
65	2.3	72.4	112.4#

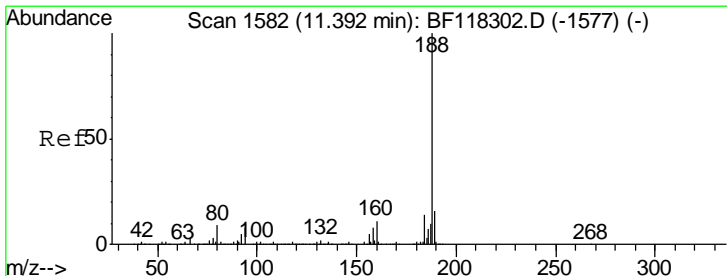
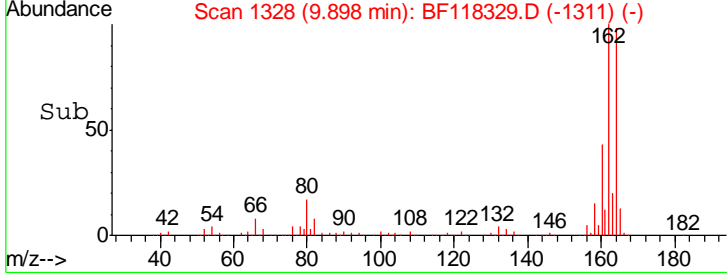
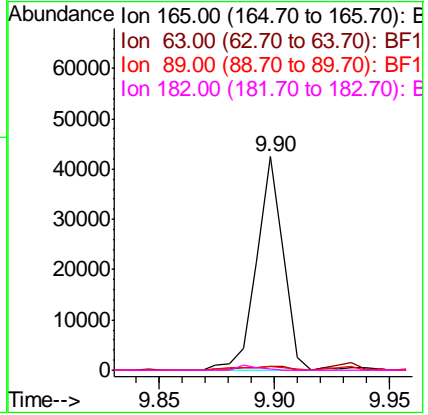
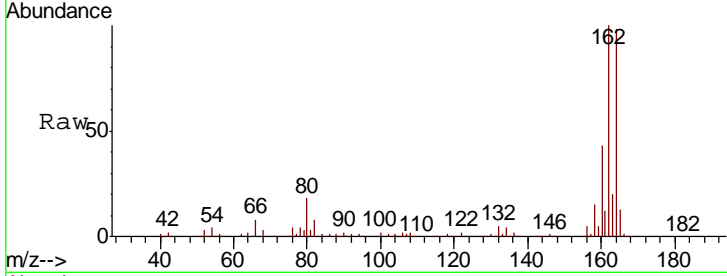




#57  
 2,4-Dinitrotoluene  
 Concen: 6.075 ng  
 RT: 9.90 min Scan# 1328  
 Delta R.T. -0.20 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

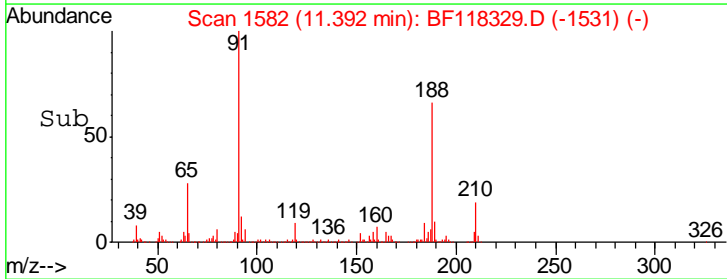
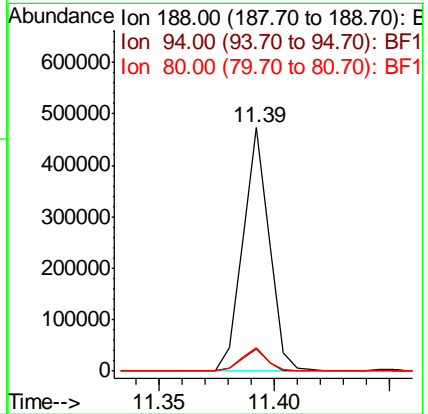
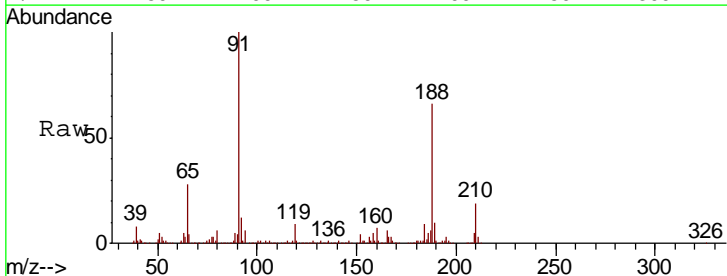
Instrument :  
 BNA\_F  
 ClientSampled :

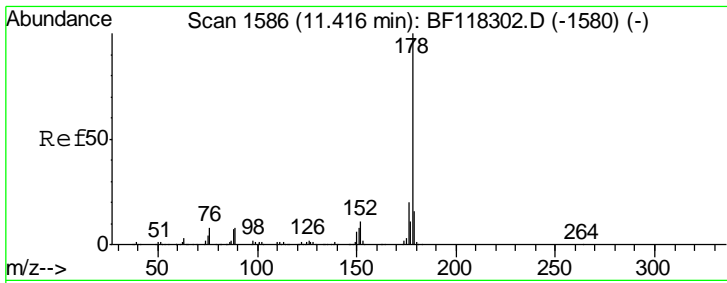
Tgt Ion	Resp	Lower	Upper
165	100		
63	1.8	32.0	48.0#
89	1.7	49.3	73.9#
182	0.7	2.4	3.6#



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.39 min Scan# 1582  
 Delta R.T. 0.00 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

Tgt Ion	Resp	Lower	Upper
188	100		
94	9.0	6.7	10.1
80	9.6	7.2	10.8

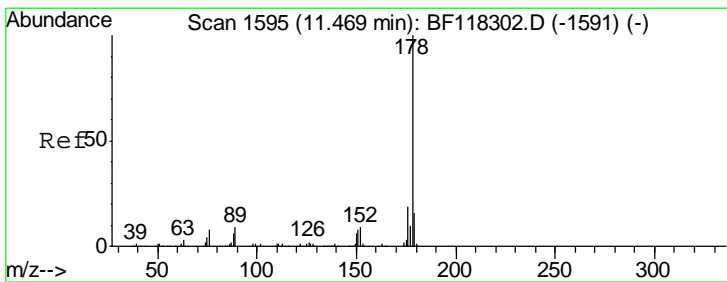
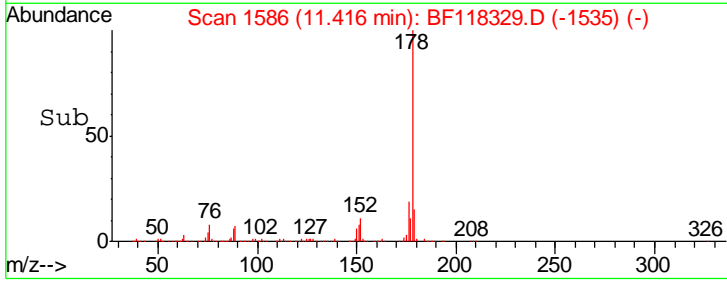
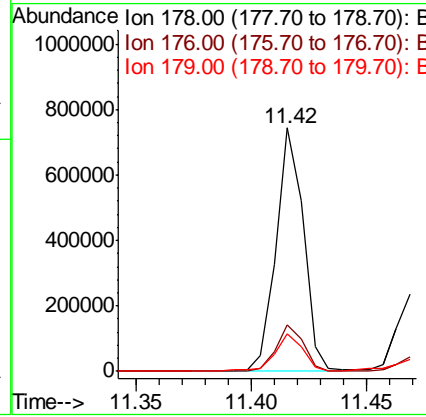
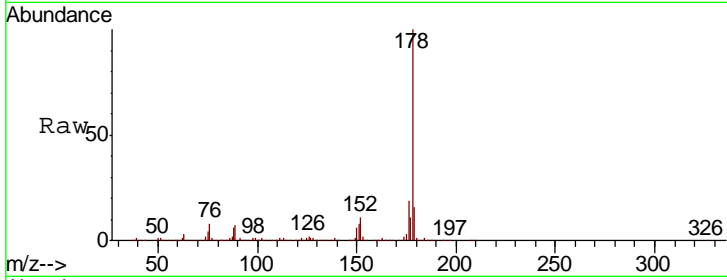




#71  
 Phenanthrene  
 Concen: 29.724 ng  
 RT: 11.42 min Scan# 1586  
 Delta R.T. 0.00 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

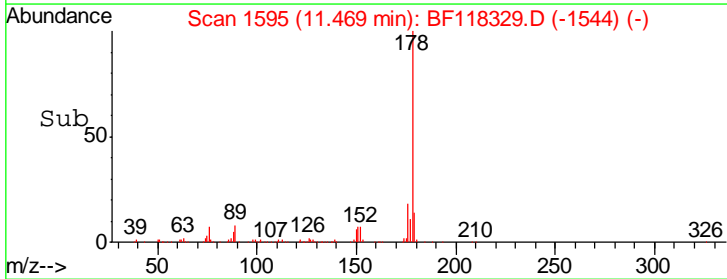
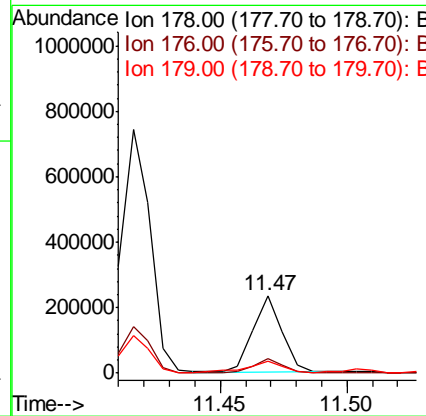
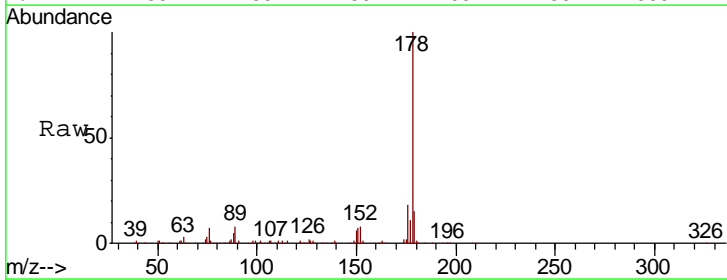
Instrument :  
 BNA\_F  
 ClientSampled :

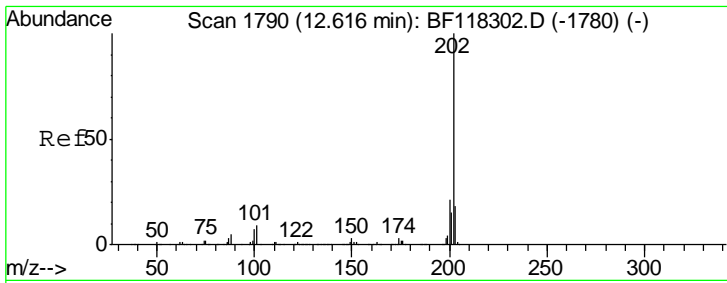
Tgt Ion	Resp	Lower	Upper
178	100		
176	19.2	15.6	23.4
179	15.5	12.6	19.0



#72  
 Anthracene  
 Concen: 9.071 ng  
 RT: 11.47 min Scan# 1595  
 Delta R.T. 0.00 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

Tgt Ion	Resp	Lower	Upper
178	100		
176	18.5	15.2	22.8
179	14.7	12.9	19.3

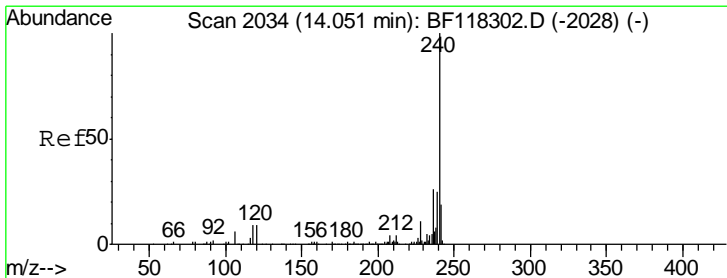
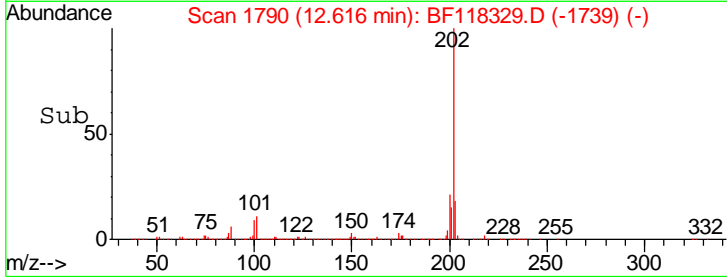
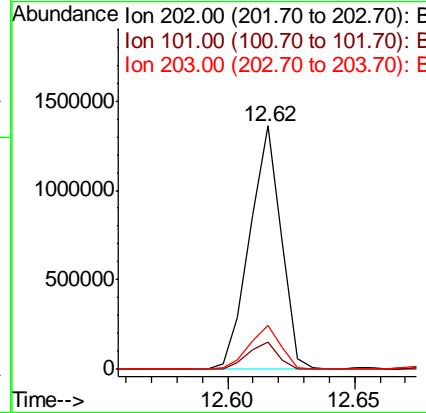
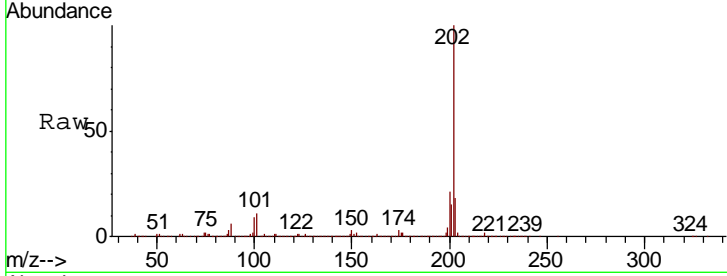




#75  
 Fluoranthene  
 Concen: 56.483 ng  
 RT: 12.62 min Scan# 1790  
 Delta R.T. 0.00 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

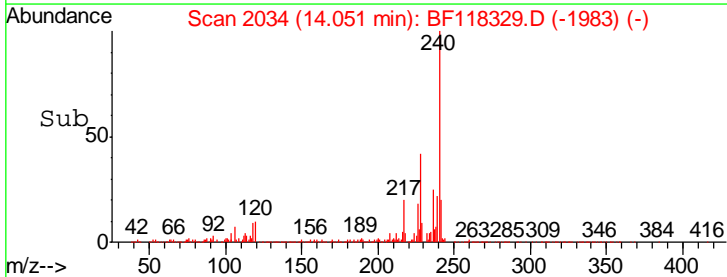
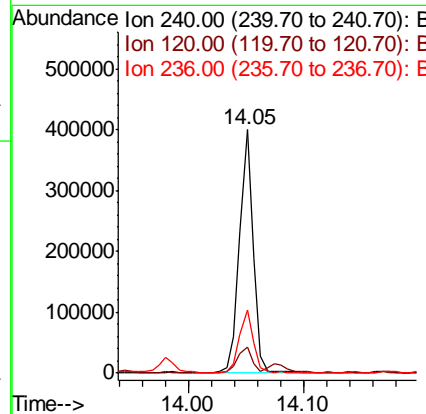
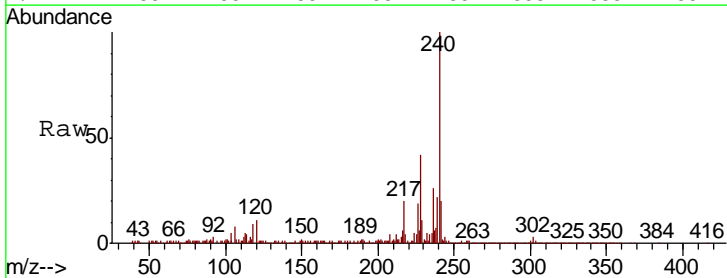
Instrument :  
 BNA\_F  
 ClientSampled :

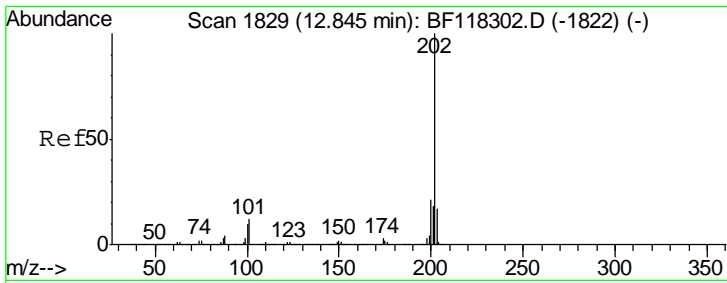
Tgt Ion	Resp	Lower	Upper
202	1175259		
101	11.2	0.0	29.5
203	17.9	0.0	37.6



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.05 min Scan# 2034  
 Delta R.T. 0.00 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

Tgt Ion	Resp	Lower	Upper
240	327306		
120	10.5	7.1	10.7
236	25.7	21.0	31.6



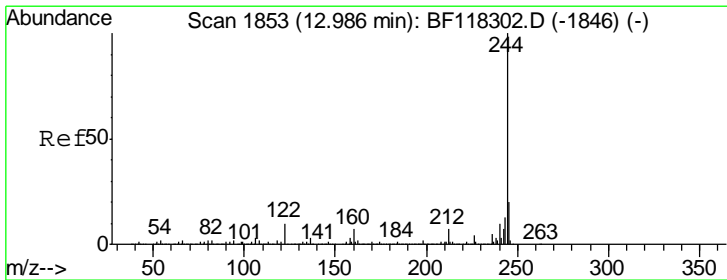
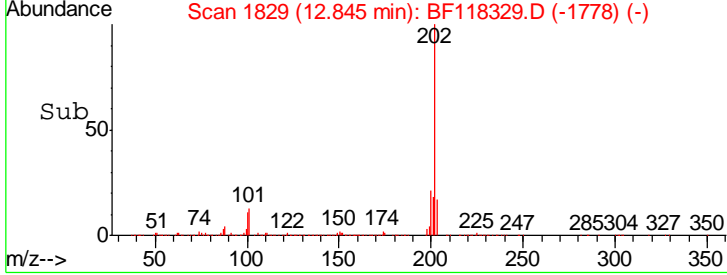
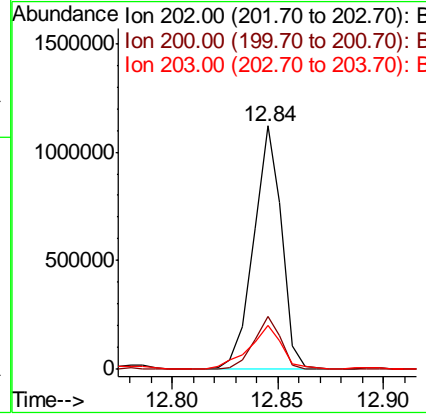
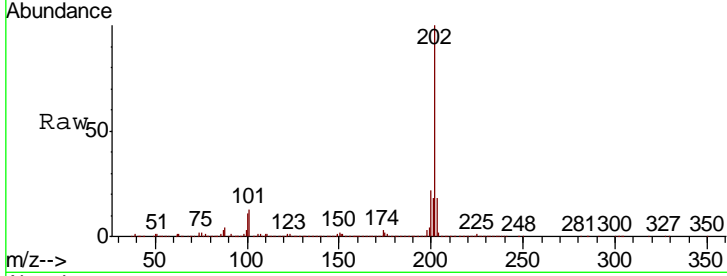


#78  
 Pyrene  
 Concen: 38.330 ng  
 RT: 12.84 min Scan# 1829  
 Delta R.T. 0.00 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion: 202 Resp: 1024475

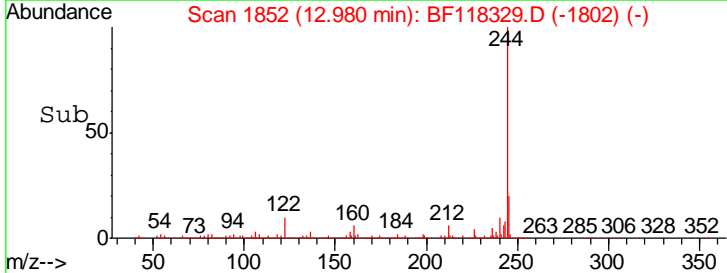
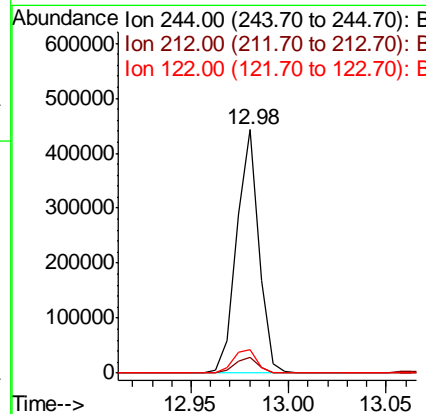
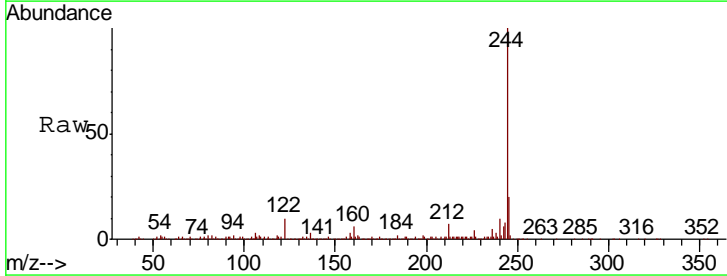
Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	18.0	13.9	20.9

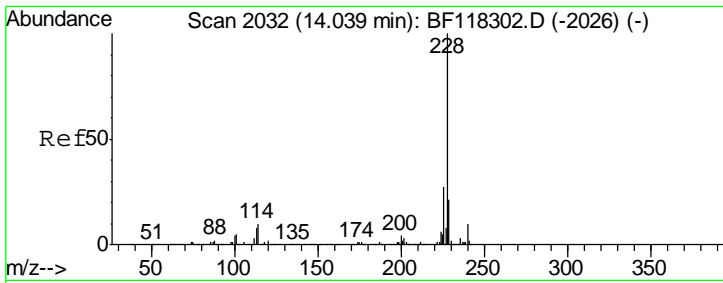


#79  
 Terphenyl-d14  
 Concen: 17.695 ng  
 RT: 12.98 min Scan# 1852  
 Delta R.T. -0.01 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

Tgt Ion: 244 Resp: 349098

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.2
122	9.6	7.8	11.8

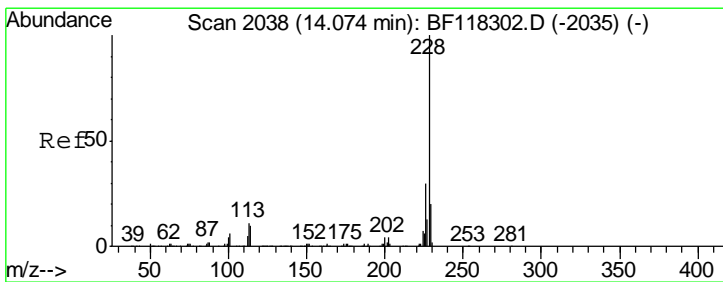
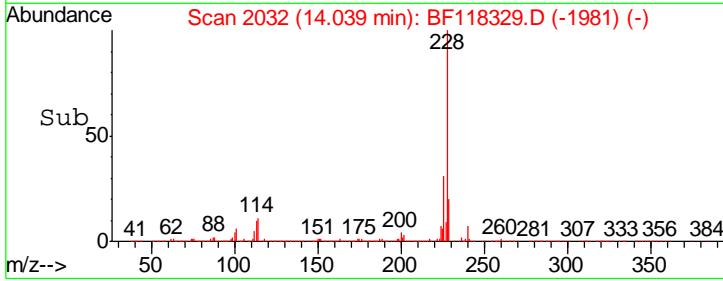
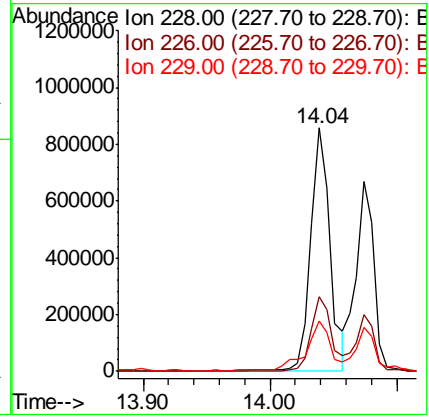
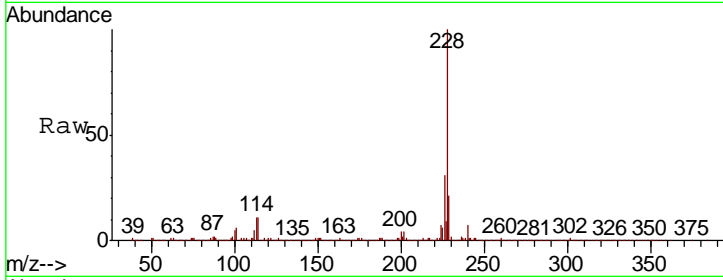




#81  
 Benzo(a)anthracene  
 Concen: 39.328 ng  
 RT: 14.04 min Scan# 2032  
 Delta R.T. 0.00 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

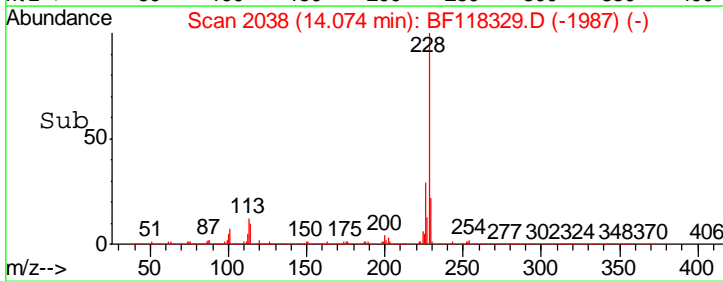
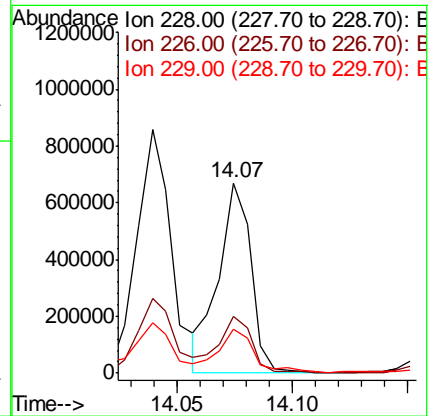
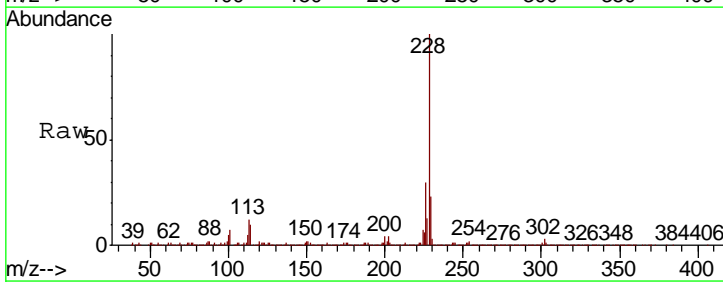
Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
228	100		
226	30.9	22.0	33.0
229	20.6	16.6	24.8

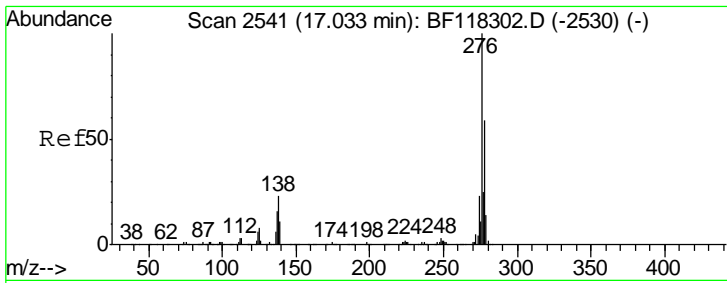


#83  
 Chrysene  
 Concen: 29.635 ng  
 RT: 14.07 min Scan# 2038  
 Delta R.T. 0.00 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

Tgt Ion	Resp	Lower	Upper
228	100		
226	29.6	23.9	35.9
229	23.0	16.1	24.1



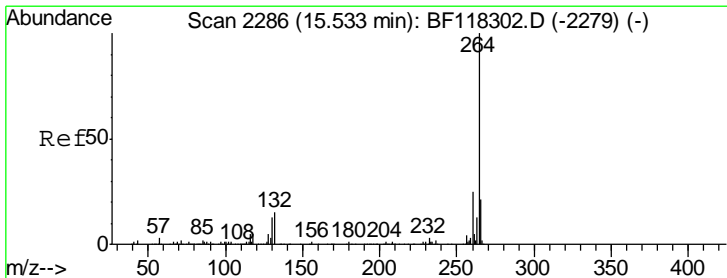
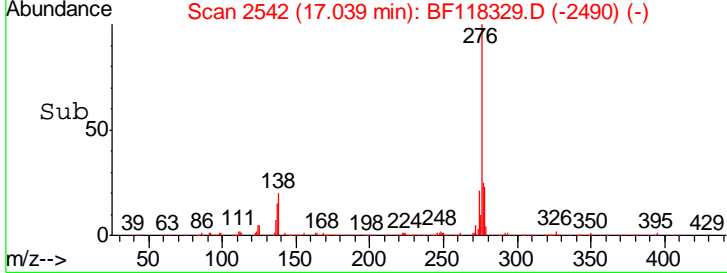
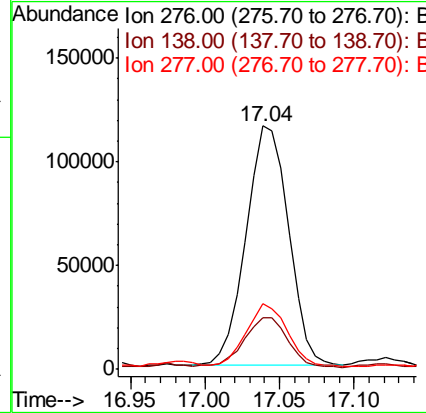
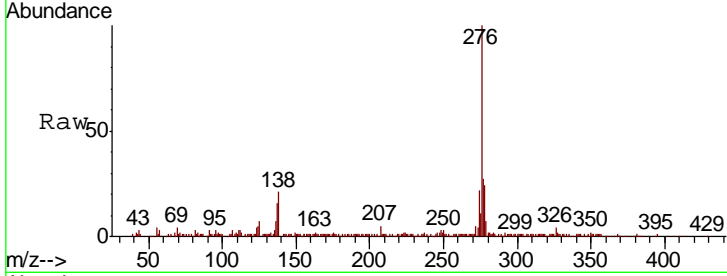




#86  
 Indeno(1,2,3-cd)pyrene  
 Concen: 12.159 ng  
 RT: 17.04 min Scan# 2542  
 Delta R.T. 0.01 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

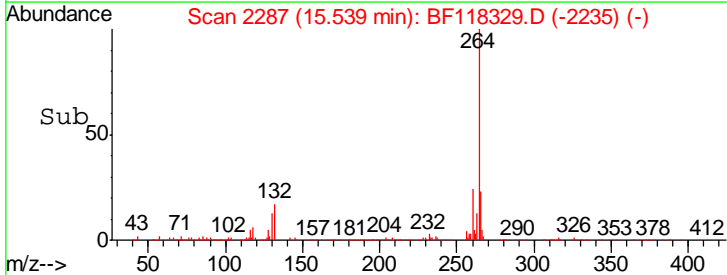
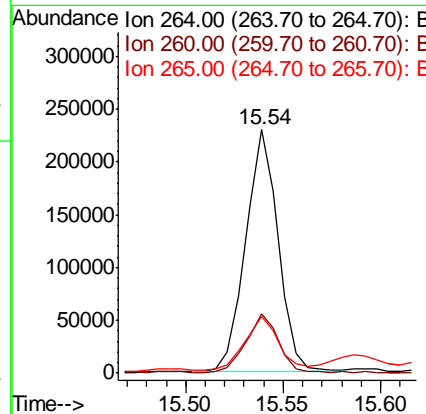
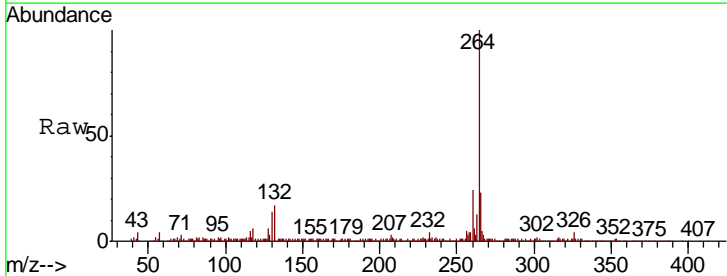
Instrument :  
 BNA\_F  
 ClientSampled :

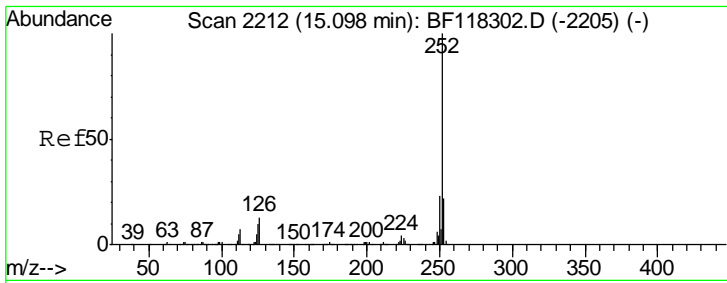
Tgt Ion	Resp	Lower	Upper
276	100		
138	21.7	19.5	29.3
277	25.5	20.6	30.8



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.54 min Scan# 2287  
 Delta R.T. 0.01 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

Tgt Ion	Resp	Lower	Upper
264	100		
260	24.1	19.8	29.6
265	23.5	17.0	25.4

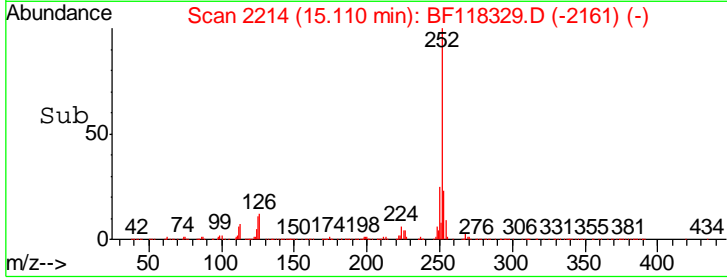
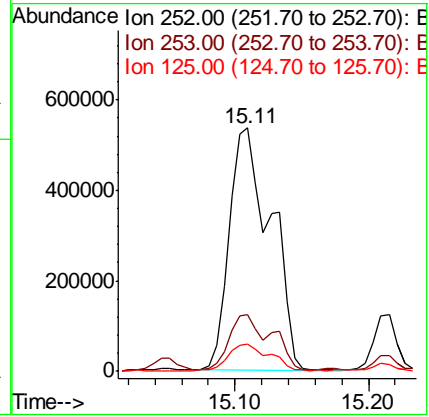
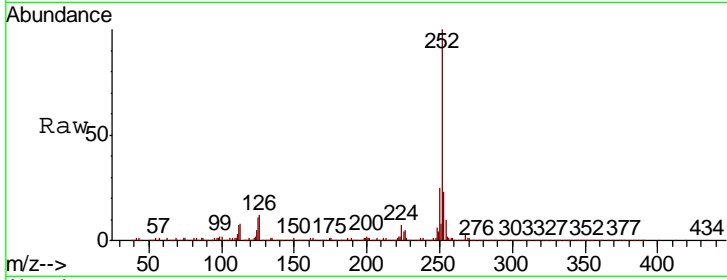




#88  
 Benzo(b)fluoranthene  
 Concen: 66.330 ng  
 RT: 15.11 min Scan# 2214  
 Delta R.T. 0.01 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

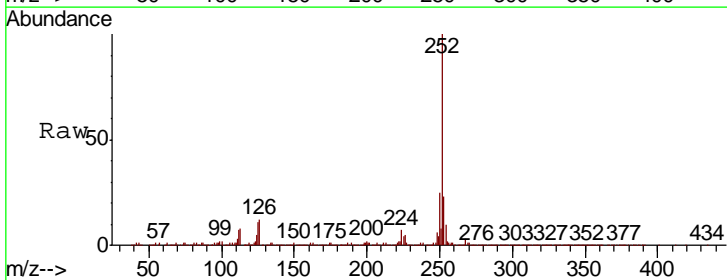
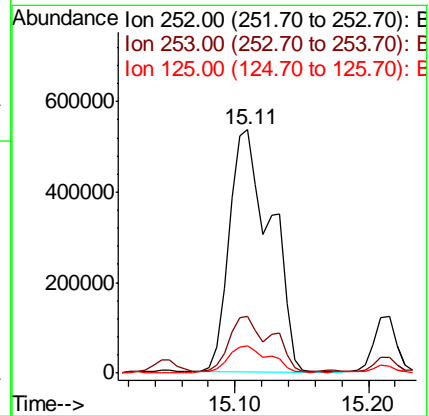
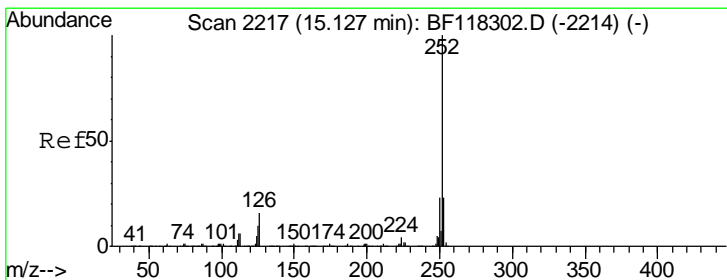
Instrument :  
 BNA\_F  
 ClientSampled :

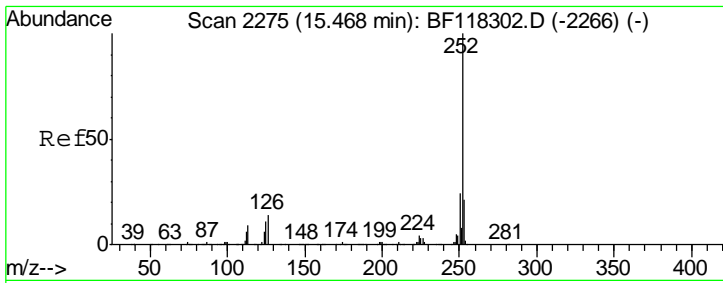
Tgt Ion	Resp	Lower	Upper
252	1164714		
253	23.4	17.5	26.3
125	11.1	7.7	11.5



#89  
 Benzo(k)fluoranthene  
 Concen: 69.081 ng  
 RT: 15.11 min Scan# 2214  
 Delta R.T. -0.02 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

Tgt Ion	Resp	Lower	Upper
252	1164714		
253	23.4	18.0	27.0
125	11.1	8.0	12.0

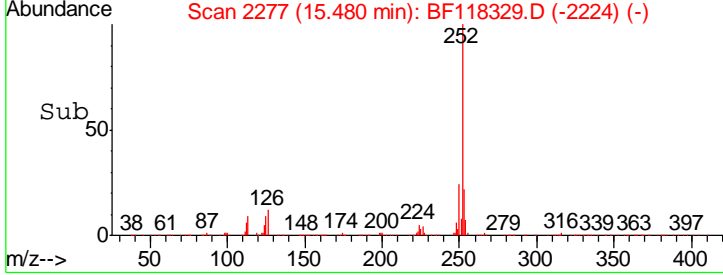
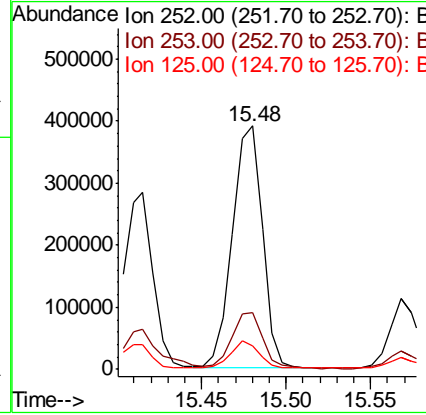
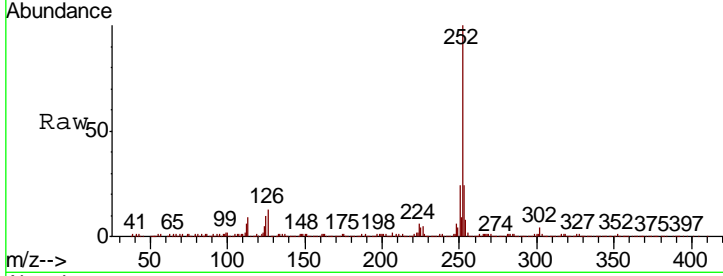




#90  
 Benzo(a)pyrene  
 Concen: 31.366 ng  
 RT: 15.48 min Scan# 2277  
 Delta R.T. 0.01 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

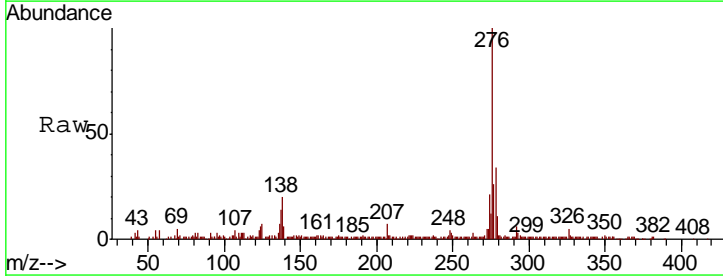
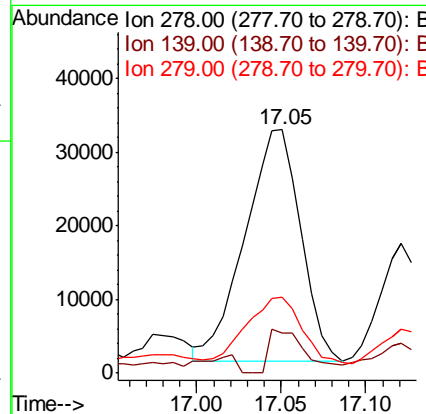
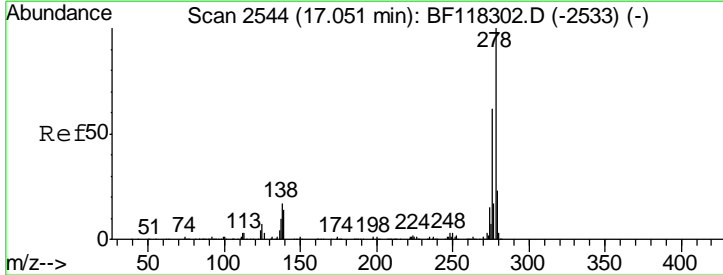
Instrument :  
 BNA\_F  
 ClientSampleId :

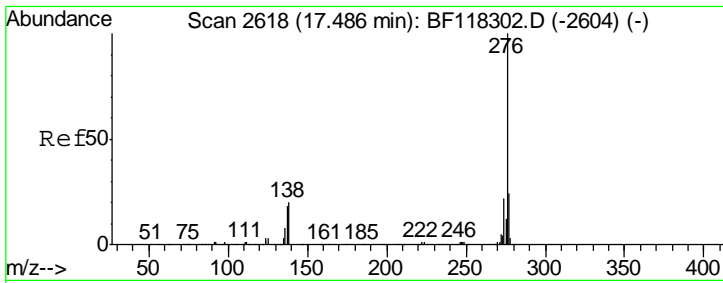
Tgt Ion	Resp	Lower	Upper
252	485176		
253	23.5	17.0	25.6
125	9.8	9.0	13.4



#91  
 Dibenzo(a,h)anthracene  
 Concen: 5.363 ng  
 RT: 17.05 min Scan# 2544  
 Delta R.T. 0.00 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

Tgt Ion	Resp	Lower	Upper
278	71989		
279	31.0	18.3	27.5#
139	16.5	11.5	17.3





#92  
 Benzo(a,h,i)perylene  
 Concen: 14.329 ng  
 RT: 17.50 min Scan# 2620  
 Delta R.T. 0.01 min  
 Lab File: BF118329.D  
 Acq: 26 Dec 2019 21:11

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.1	28.7
138	20.9	16.1	24.1

