

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040919\  
 Data File : BF113668.D  
 Acq On : 9 Apr 2019 18:30  
 Operator : JU/SJ  
 Sample : K2334-02  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 10 02:25:12 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 04 04:05:31 2019  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	122975	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	468214	20.00	ng	0.00
39) Acenaphthene-d10	9.71	164	219833	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	405258	20.00	ng	-0.01
76) Chrysene-d12	13.82	240	314648	20.00	ng	-0.02
87) Perylene-d12	15.23	264	332040	20.00	ng	-0.02

## System Monitoring Compounds

5) 2-Fluorophenol	5.29	112	748943	103.85	ng	0.00
7) Phenol-d6	6.33	99	979128	110.16	ng	0.00
23) Nitrobenzene-d5	7.25	82	581528	72.75	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	267635	101.35	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	945651	69.25	ng	-0.02
79) Terphenyl-d14	12.77	244	772924	50.01	ng	-0.02

## Target Compounds

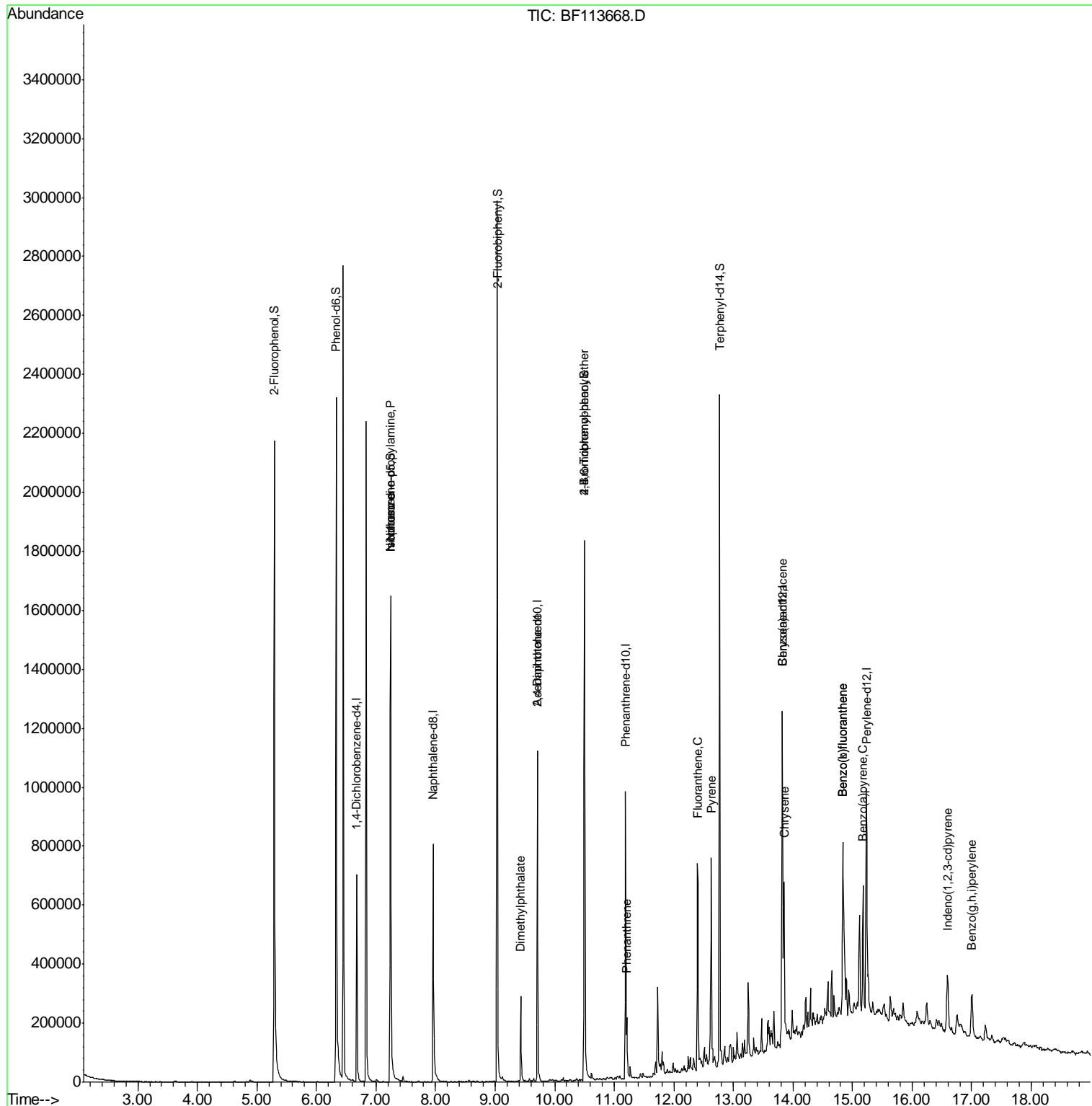
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.25	70	74942	13.673	ng	# 75
25) Isophorone	7.25	82	581867	37.788	ng	# 64
50) Dimethylphthalate	9.43	163	142107	8.770	ng	100
57) 2,4-Dinitrotoluene	9.71	165	28238	6.537	ng	# 23
67) 4-Bromophenyl-phenylether	10.50	248	15166	3.337	ng	# 1
71) Phenanthrene	11.22	178	82405	4.092	ng	97
75) Fluoranthene	12.40	202	311528	14.437	ng	100
78) Pyrene	12.63	202	293668	12.266	ng	98
81) Benzo(a)anthracene	13.82	228	218425	12.034	ng	100
83) Chrysene	13.85	228	218322	11.866	ng	98
86) Indeno(1,2,3-cd)pyrene	16.59	276	125620	7.395	ng	96
88) Benzo(b)fluoranthene	14.84	252	423437	20.833	ng	97
89) Benzo(k)fluoranthene	14.84	252	423437	23.213	ng	# 97
90) Benzo(a)pyrene	15.17	252	208072	11.521	ng	98
92) Benzo(a,h,i)perylene	17.00	276	116073	6.733	ng	98

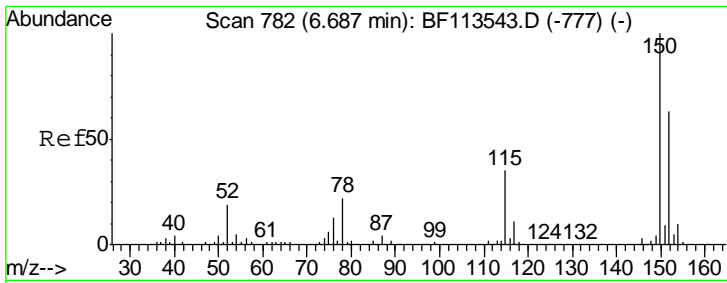
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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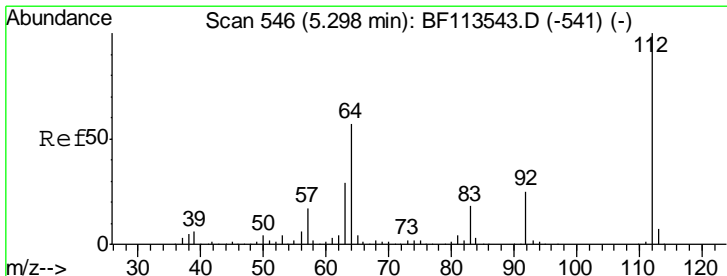
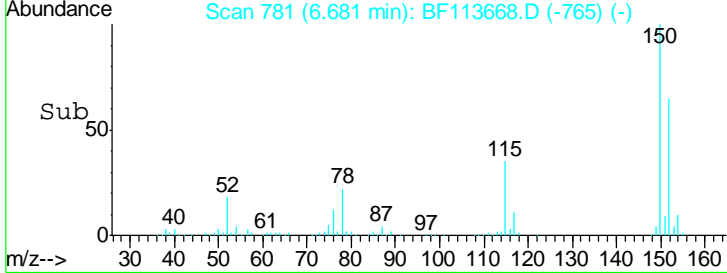
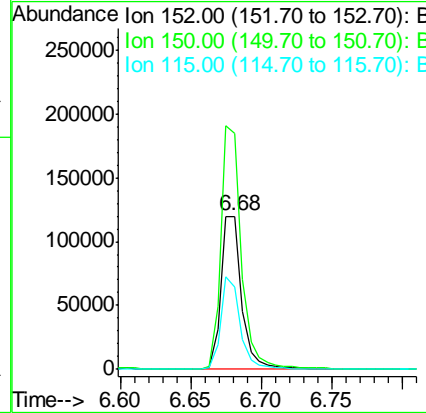
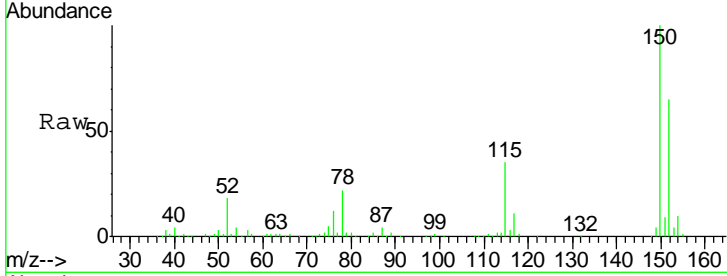




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.68 min Scan# 781  
 Delta R.T. -0.01 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

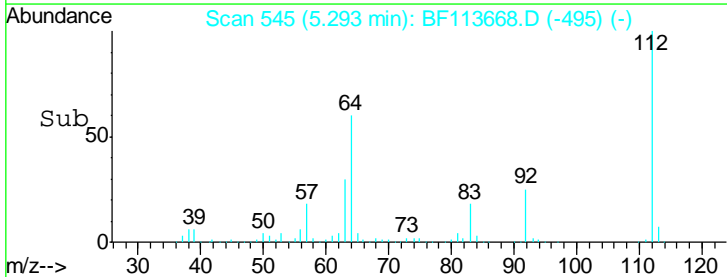
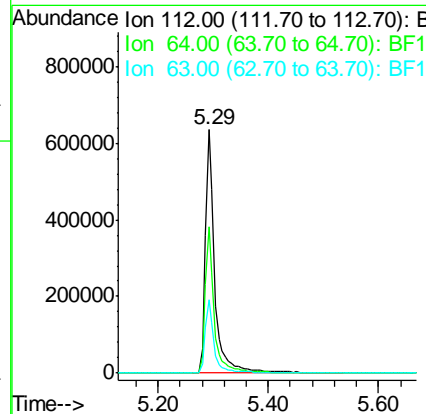
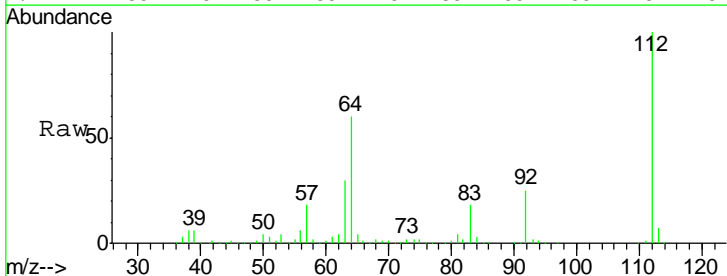
Instrument :  
 BNA\_F  
 ClientSampled :

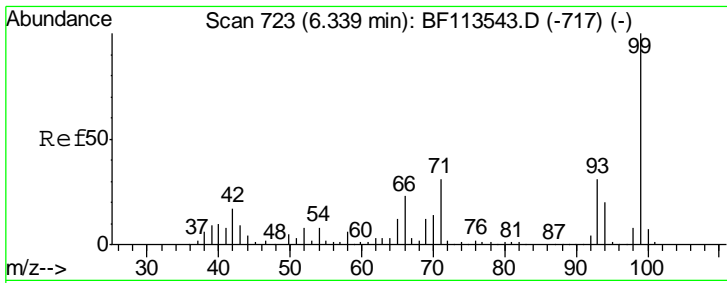
Tgt Ion	Resp	Lower	Upper
152	122975		
150	154.7	124.7	187.1
115	53.5	46.0	69.0



#5  
 2-Fluorophenol  
 Concen: 103.852 ng  
 RT: 5.29 min Scan# 545  
 Delta R.T. -0.01 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

Tgt Ion	Resp	Lower	Upper
112	748943		
64	59.9	49.2	73.8
63	30.2	24.9	37.3

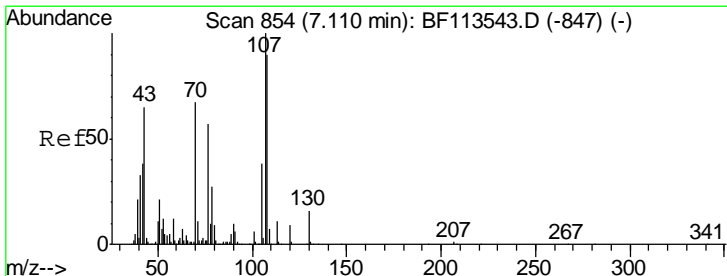
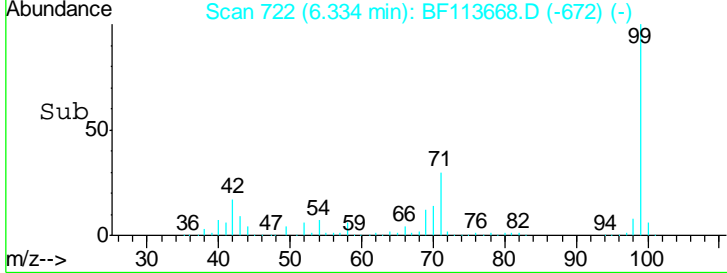
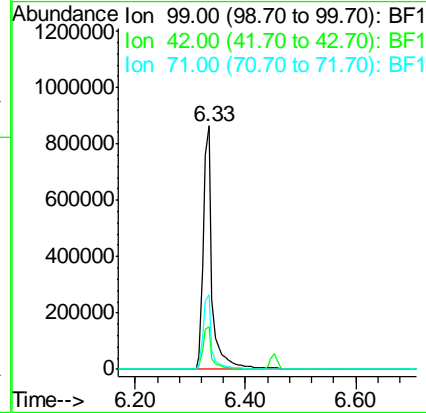
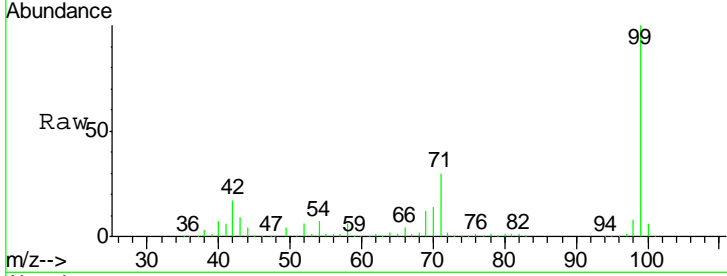




#7  
 Phenol-d6  
 Concen: 110.158 ng  
 RT: 6.33 min Scan# 722  
 Delta R.T. -0.01 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

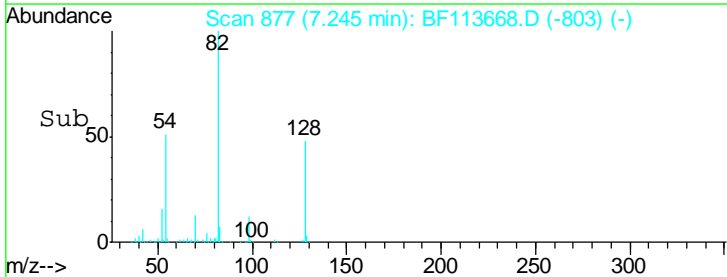
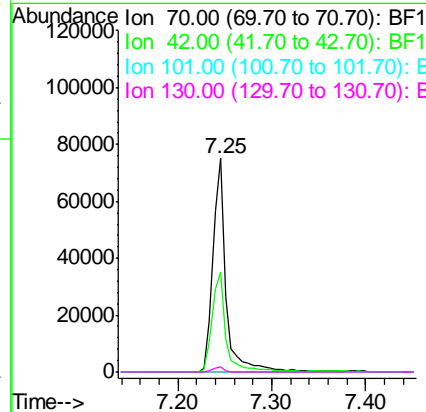
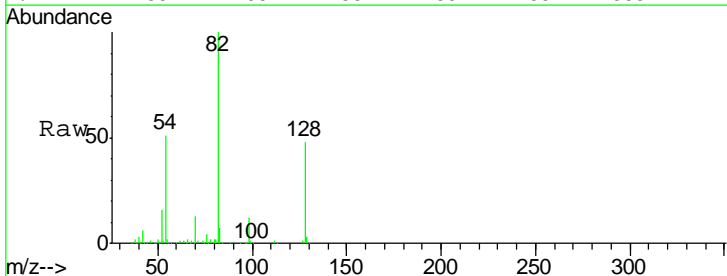
Instrument :  
 BNA\_F  
 ClientSampled :

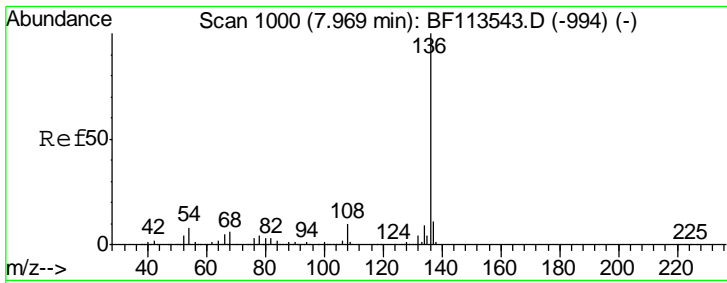
Tgt Ion	Resp	Lower	Upper
99	100		
42	17.3	14.8	22.2
71	30.4	24.9	37.3



#19  
 n-Nitroso-di-n-propylamine  
 Concen: 13.673 ng  
 RT: 7.25 min Scan# 877  
 Delta R.T. 0.14 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

Tgt Ion	Resp	Lower	Upper
70	100		
42	46.9	48.4	72.6#
101	0.0	7.8	11.8#
130	2.7	18.2	27.4#



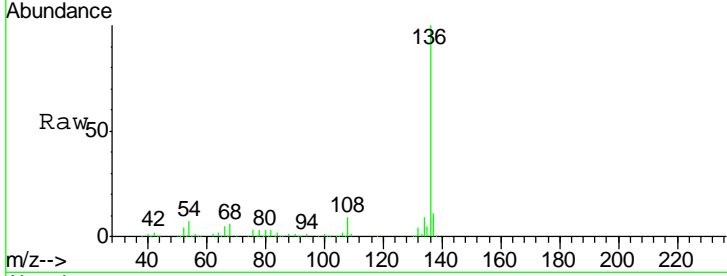


#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 7.96 min Scan# 999  
 Delta R.T. -0.01 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

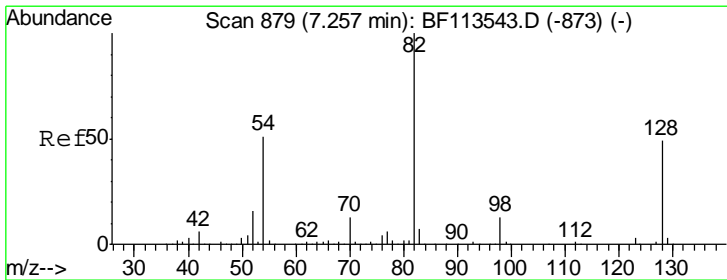
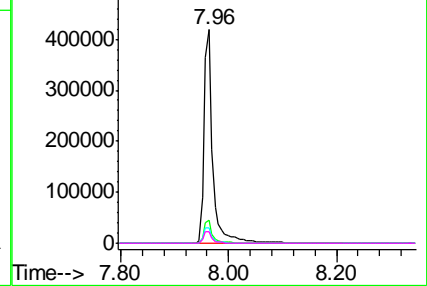
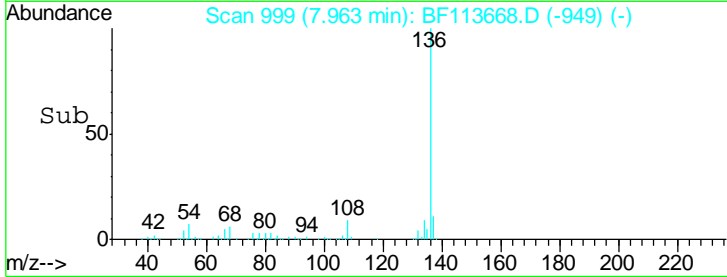
Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:136 Resp: 468214

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.2	7.0	10.6
68	5.6	4.8	7.2



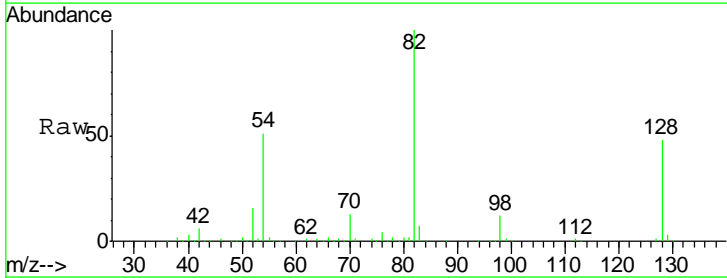
Abundance Ion 136.00 (135.70 to 136.70): E  
 Ion 137.00 (136.70 to 137.70): E  
 Ion 54.00 (53.70 to 54.70): BF1  
 Ion 68.00 (67.70 to 68.70): BF1



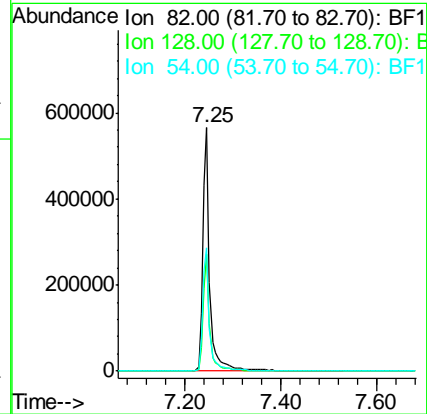
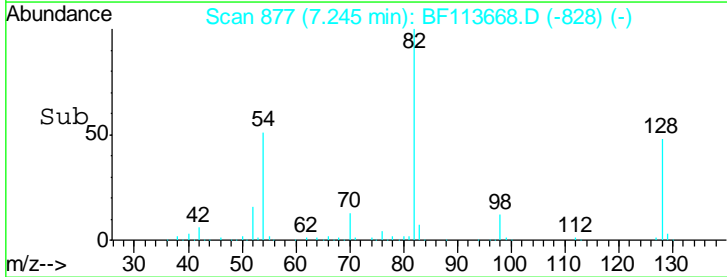
#23  
 Nitrobenzene-d5  
 Concen: 72.751 ng  
 RT: 7.25 min Scan# 877  
 Delta R.T. -0.01 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

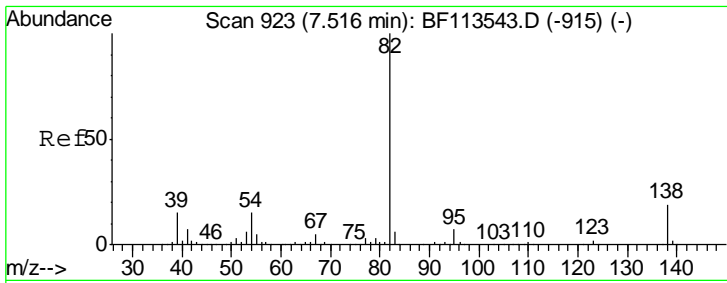
Tgt Ion: 82 Resp: 581528

Ion	Ratio	Lower	Upper
82	100		
128	47.8	36.5	54.7
54	50.8	42.2	63.2



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

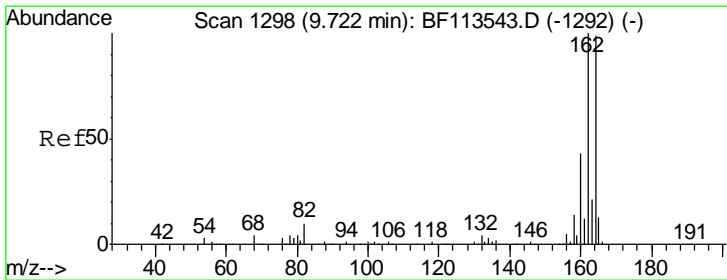
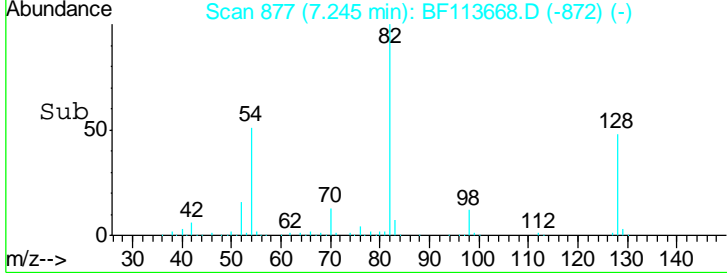
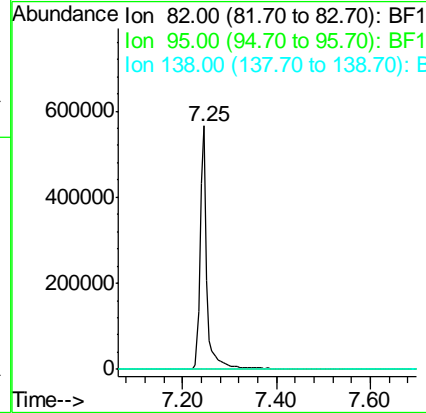
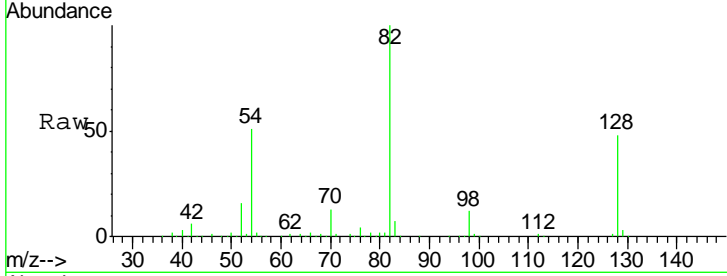




#25  
 Isophorone  
 Concen: 37.788 ng  
 RT: 7.25 min Scan# 877  
 Delta R.T. -0.27 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

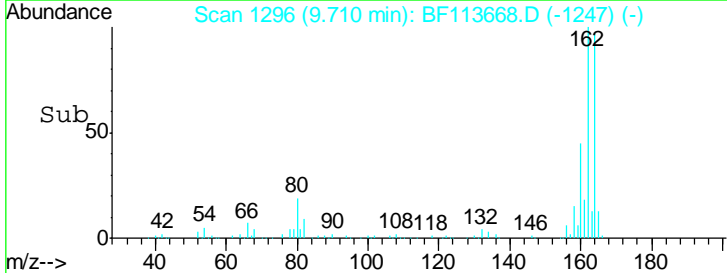
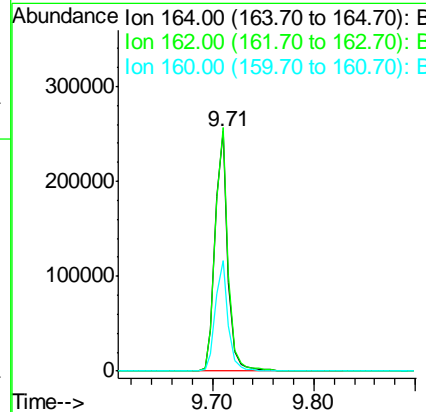
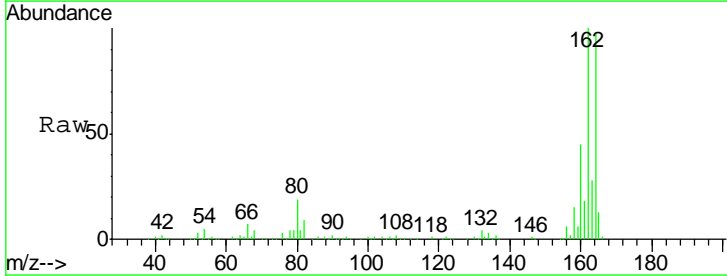
Instrument :  
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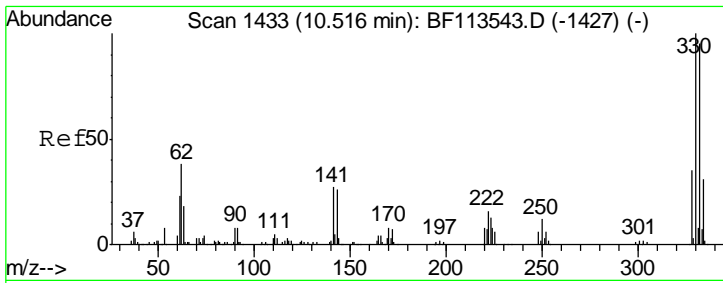
Tgt Ion	Resp	Lower	Upper
82	100		
95	0.0	5.5	8.3#
138	0.0	15.2	22.8#



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.71 min Scan# 1296  
 Delta R.T. -0.01 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

Tgt Ion	Resp	Lower	Upper
164	100		
162	101.7	81.8	122.6
160	46.2	36.4	54.6

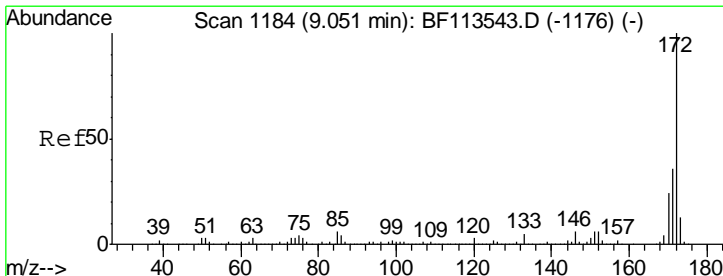
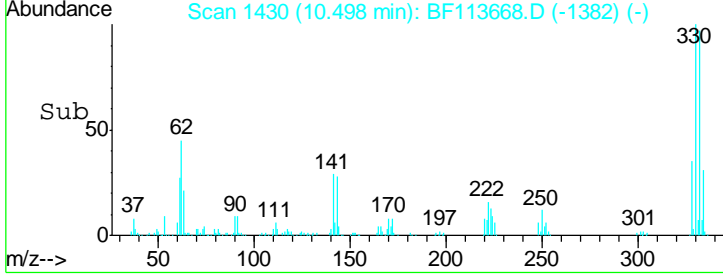
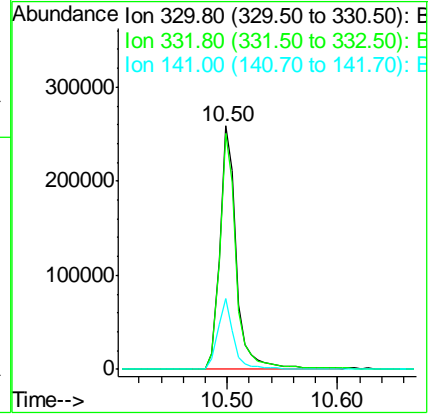
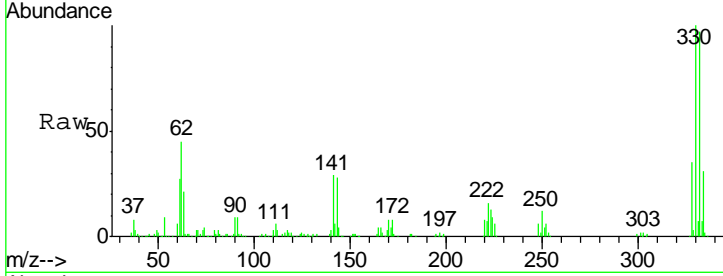




#42  
 2,4,6-Tribromophenol  
 Concen: 101.349 ng  
 RT: 10.50 min Scan# 1430  
 Delta R.T. -0.02 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

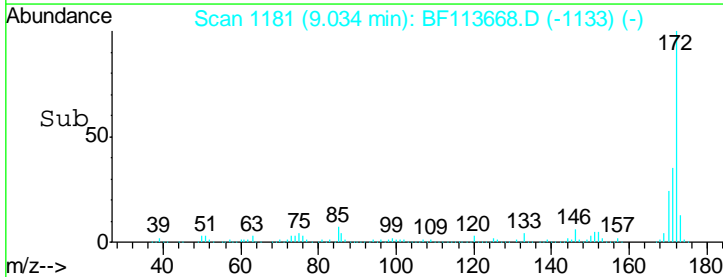
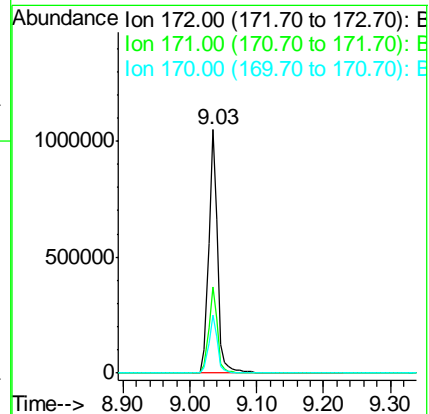
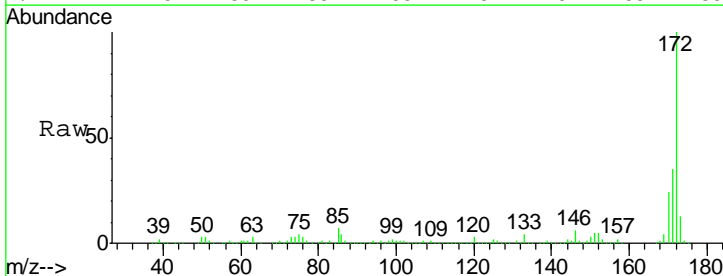
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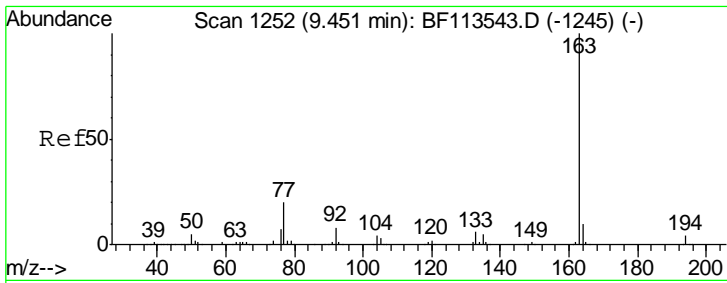
Tgt Ion	Resp	Lower	Upper
330	100		
332	97.4	77.8	116.6
141	27.8	22.7	34.1



#45  
 2-Fluorobiphenyl  
 Concen: 69.252 ng  
 RT: 9.03 min Scan# 1181  
 Delta R.T. -0.02 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

Tgt Ion	Resp	Lower	Upper
172	100		
171	35.5	29.0	43.6
170	23.8	19.5	29.3

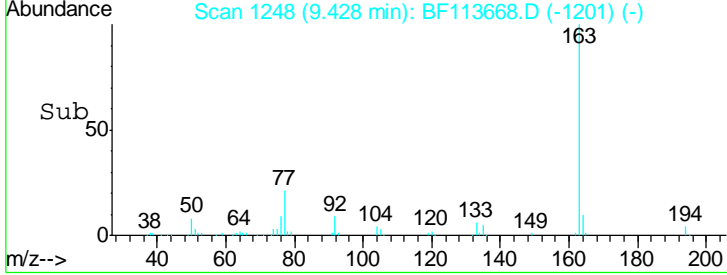
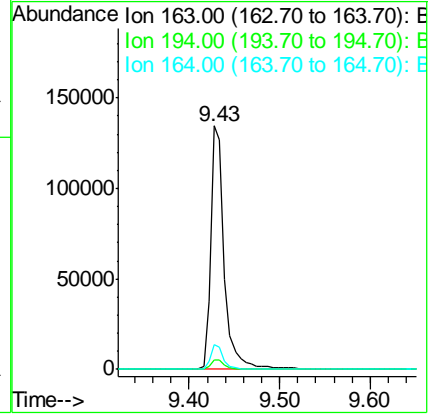
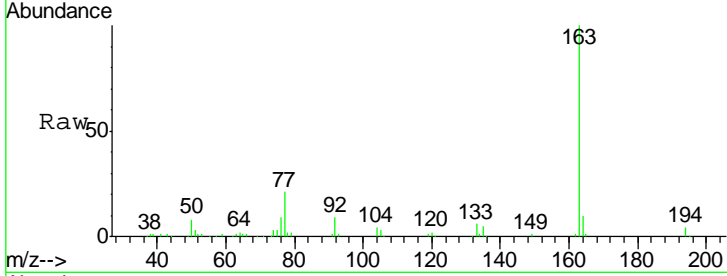




#50  
 Dimethylphthalate  
 Concen: 8.770 ng  
 RT: 9.43 min Scan# 1248  
 Delta R.T. -0.02 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

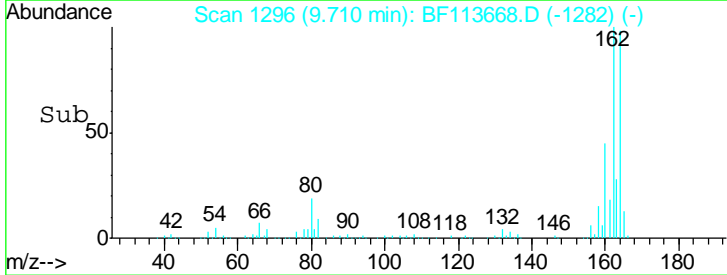
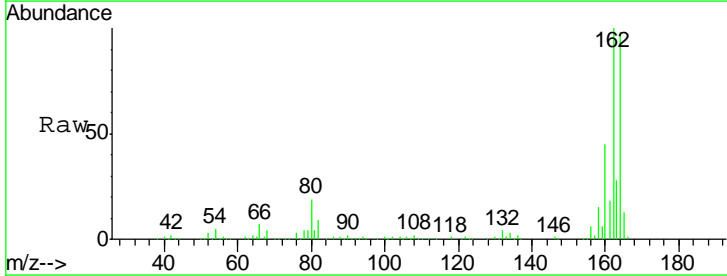
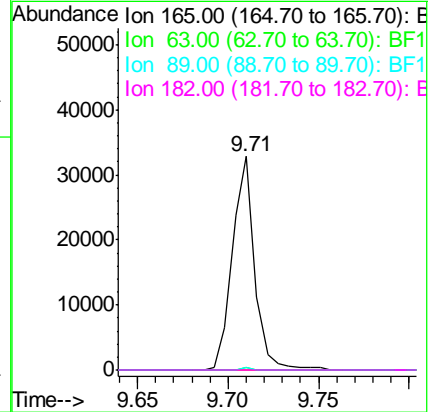
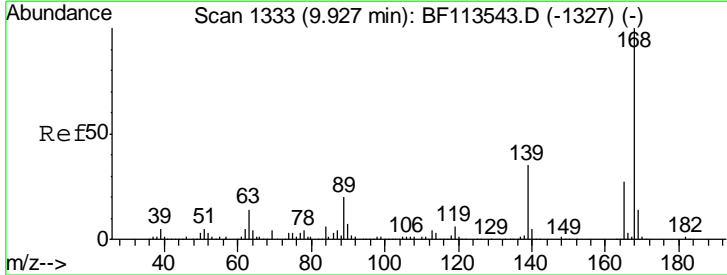
Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
163	142107		
194	4.0	3.0	4.6
164	10.2	8.1	12.1

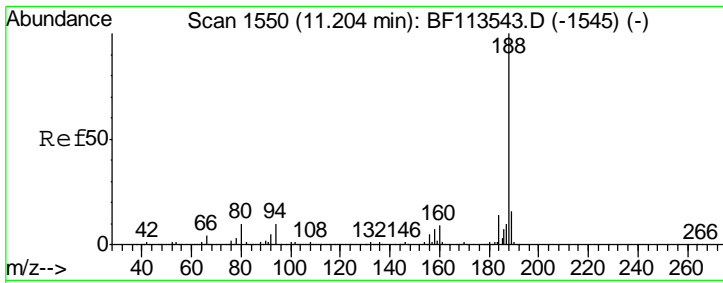


#57  
 2,4-Dinitrotoluene  
 Concen: 6.537 ng  
 RT: 9.71 min Scan# 1296  
 Delta R.T. -0.22 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

Tgt Ion	Resp	Lower	Upper
165	28238		
165	100		
63	1.5	37.5	56.3#
89	1.4	57.4	86.2#
182	0.0	2.0	3.0#



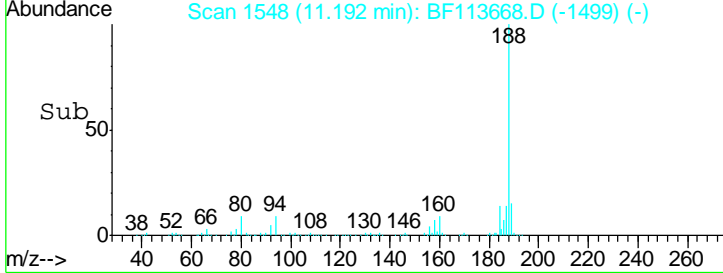
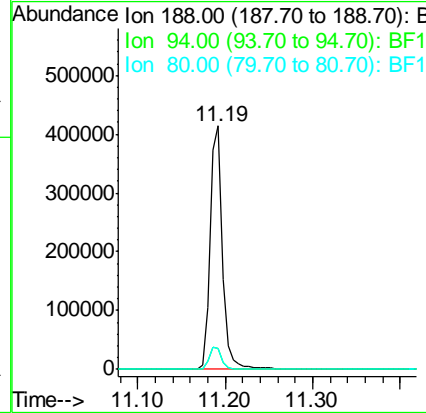
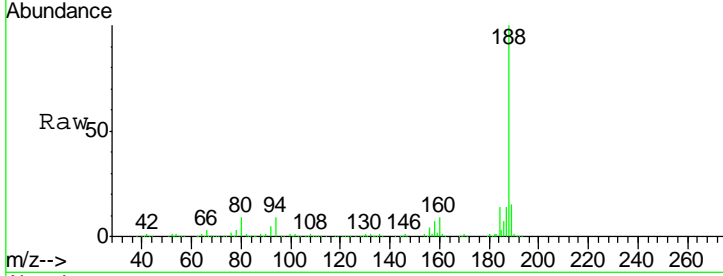




#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.19 min Scan# 1548  
 Delta R.T. -0.01 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

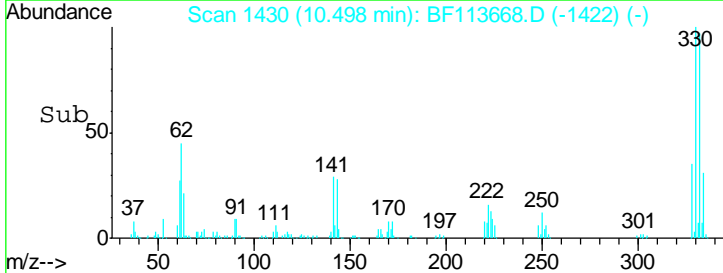
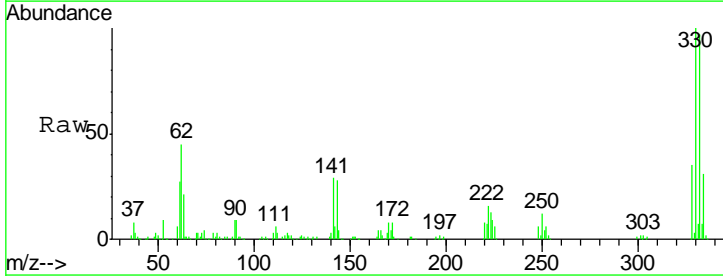
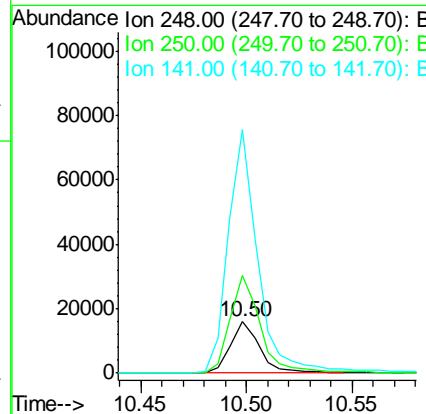
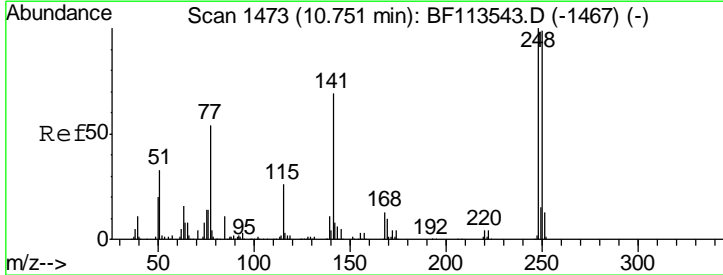
Instrument :  
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 ClientSampleId :

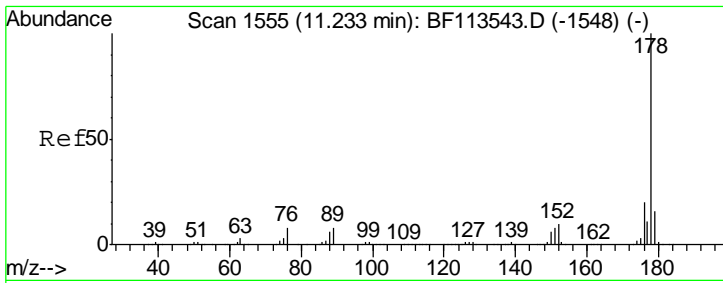
Tgt Ion	Resp	Lower	Upper
188	100		
94	8.8	7.0	10.6
80	8.5	7.7	11.5



#67  
 4-Bromophenyl-phenylether  
 Concen: 3.337 ng  
 RT: 10.50 min Scan# 1430  
 Delta R.T. -0.25 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

Tgt Ion	Resp	Lower	Upper
248	100		
250	190.9	78.3	117.5#
141	474.1	56.2	84.4#

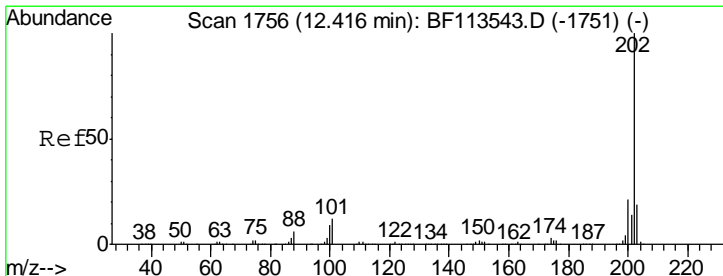
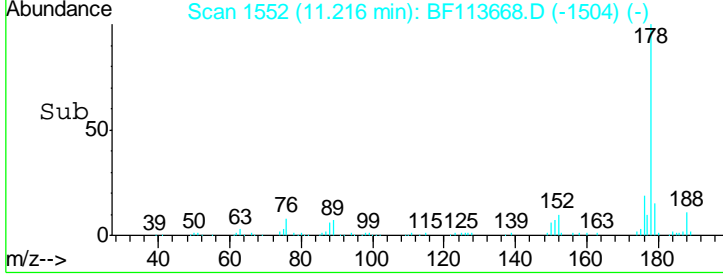
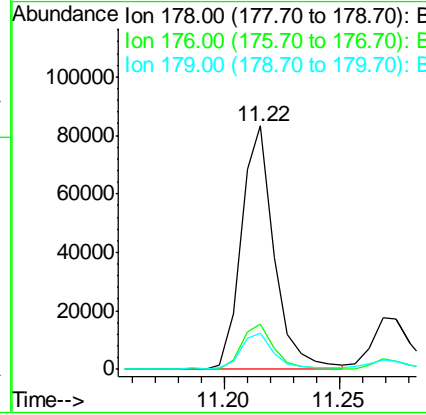
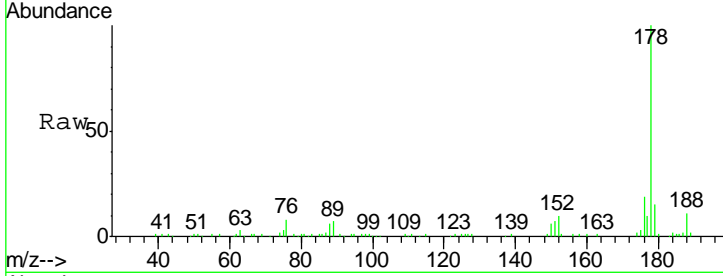




#71  
 Phenanthrene  
 Concen: 4.092 ng  
 RT: 11.22 min Scan# 1552  
 Delta R.T. -0.02 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

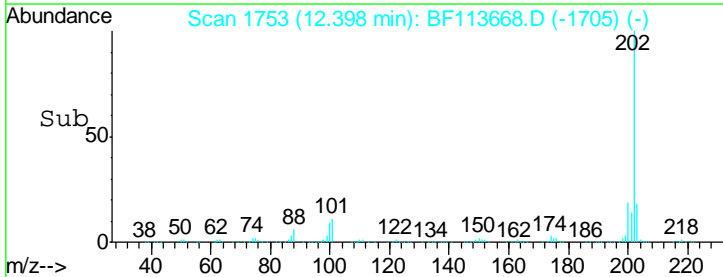
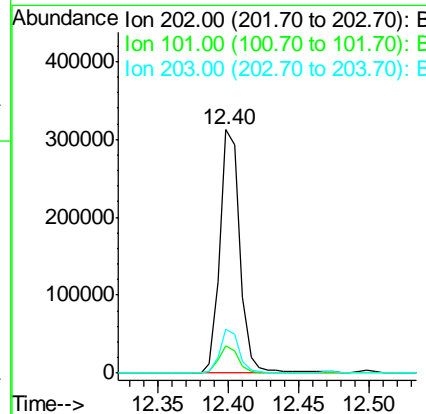
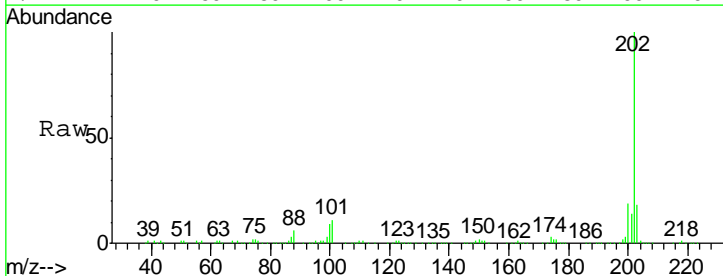
Instrument :  
 BNA\_F  
 ClientSampled :

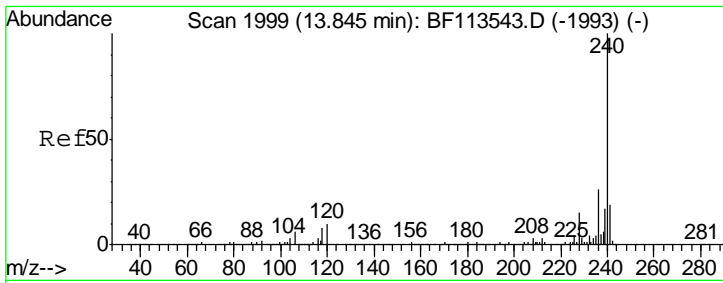
Tgt Ion	Resp	Lower	Upper
178	100		
176	18.7	16.2	24.2
179	15.0	12.7	19.1



#75  
 Fluoranthene  
 Concen: 14.437 ng  
 RT: 12.40 min Scan# 1753  
 Delta R.T. -0.02 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

Tgt Ion	Resp	Lower	Upper
202	100		
101	11.5	0.0	31.4
203	18.1	0.0	38.0

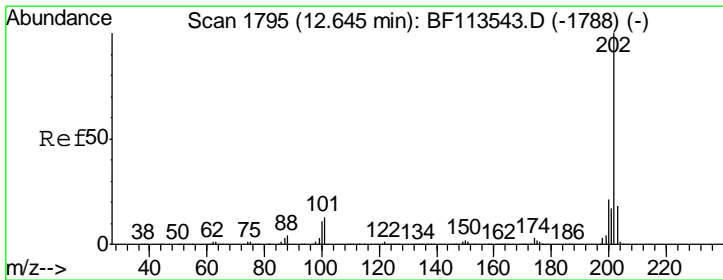
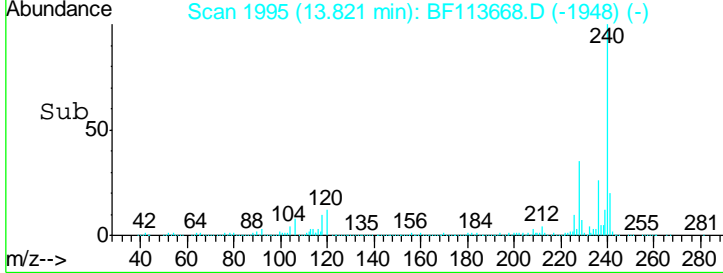
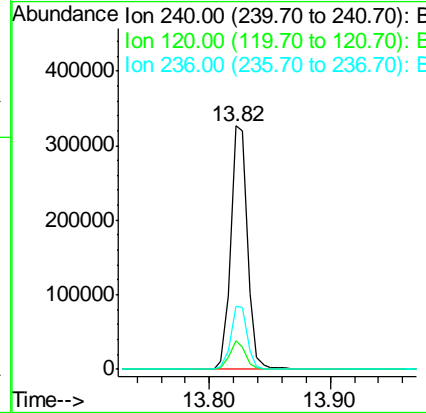
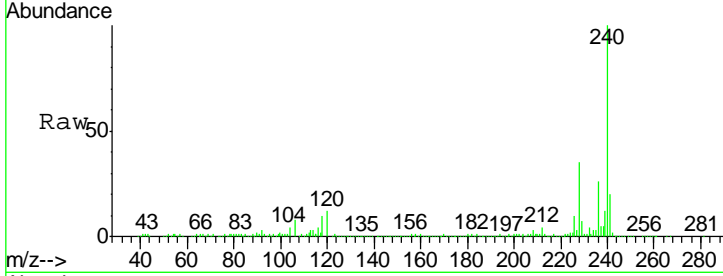




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.82 min Scan# 1995  
 Delta R.T. -0.02 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

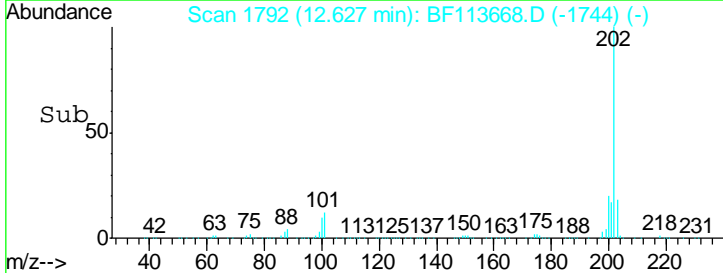
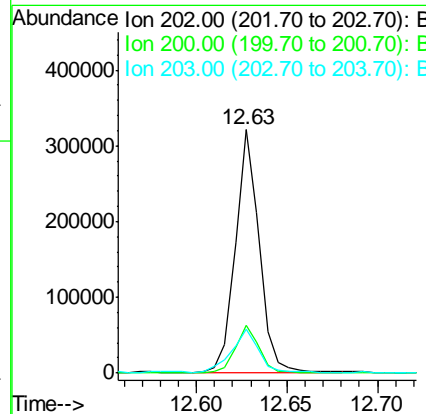
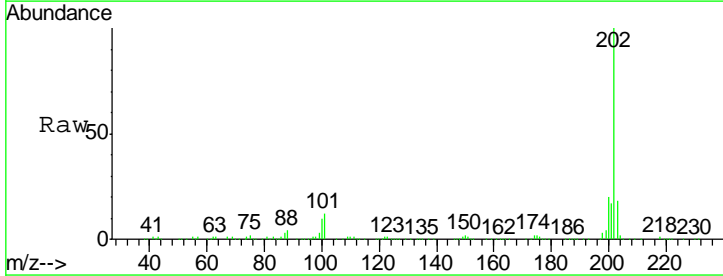
Instrument :  
 BNA\_F  
 ClientSampled :

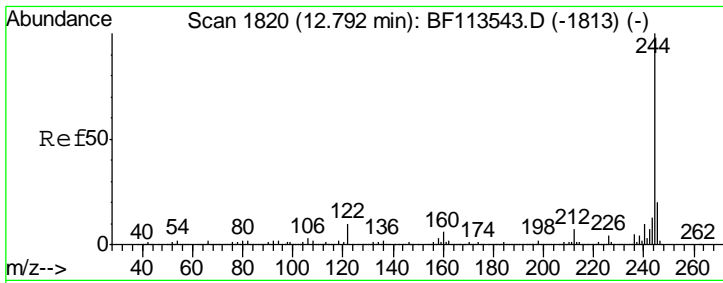
Tgt Ion	Resp	Lower	Upper
240	314648		
120	11.9	8.8	13.2
236	25.7	20.9	31.3



#78  
 Pyrene  
 Concen: 12.266 ng  
 RT: 12.63 min Scan# 1792  
 Delta R.T. -0.02 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

Tgt Ion	Resp	Lower	Upper
202	293668		
200	19.8	16.8	25.2
203	18.2	14.4	21.6

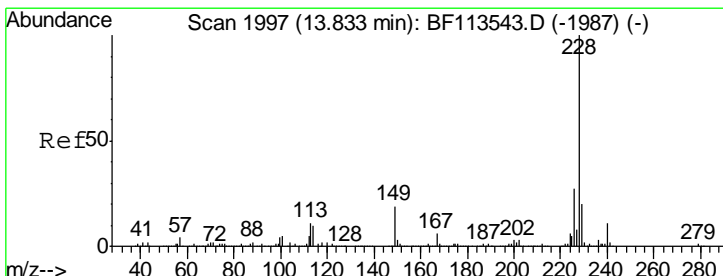
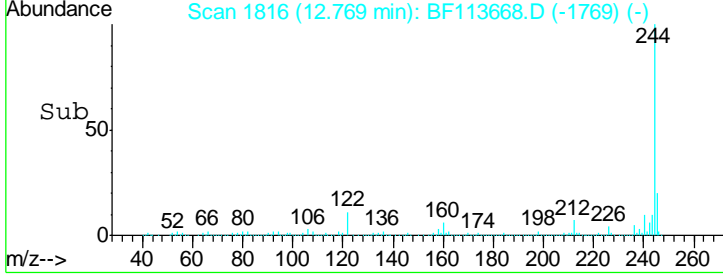
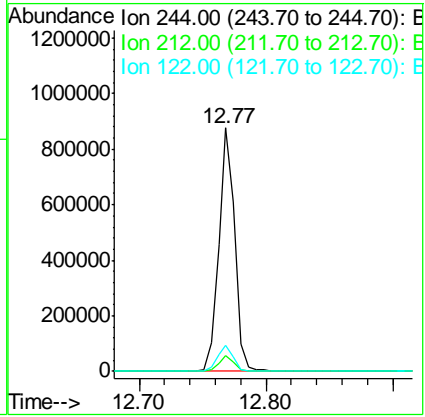
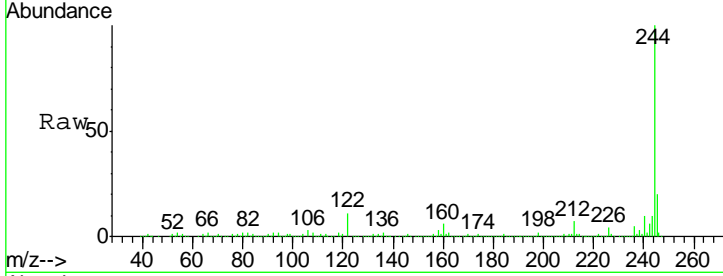




#79  
 Terphenyl-d14  
 Concen: 50.014 ng  
 RT: 12.77 min Scan# 1816  
 Delta R.T. -0.02 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

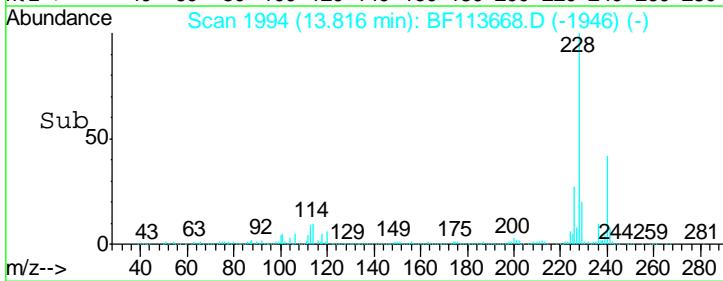
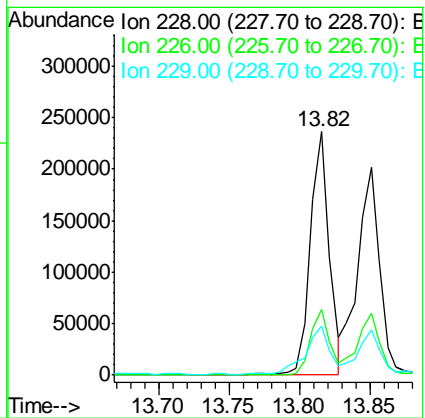
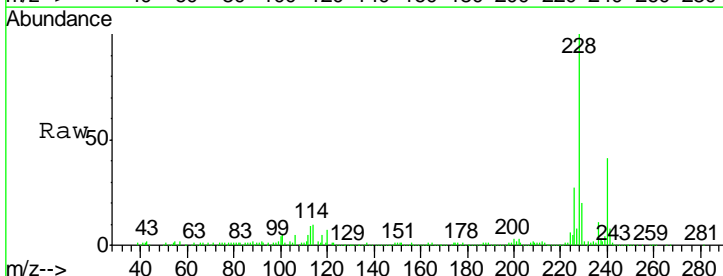
Instrument :  
 BNA\_F  
 ClientSampled :

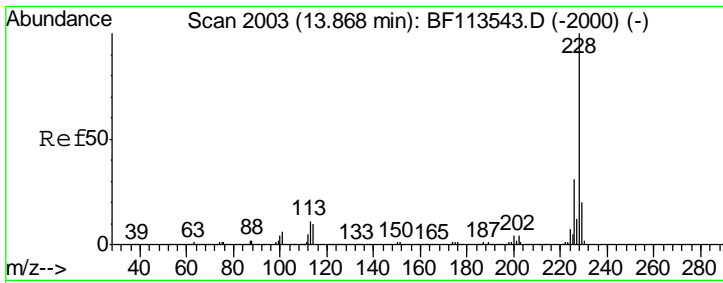
Tgt Ion	Resp	Lower	Upper
244	100		
212	6.5	5.5	8.3
122	10.9	8.6	13.0



#81  
 Benzo(a)anthracene  
 Concen: 12.034 ng  
 RT: 13.82 min Scan# 1994  
 Delta R.T. -0.02 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

Tgt Ion	Resp	Lower	Upper
228	100		
226	27.0	21.8	32.8
229	20.3	16.2	24.4

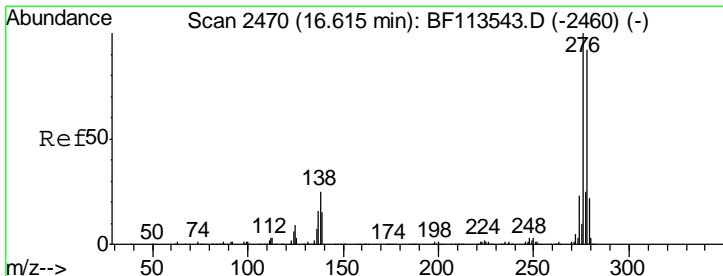
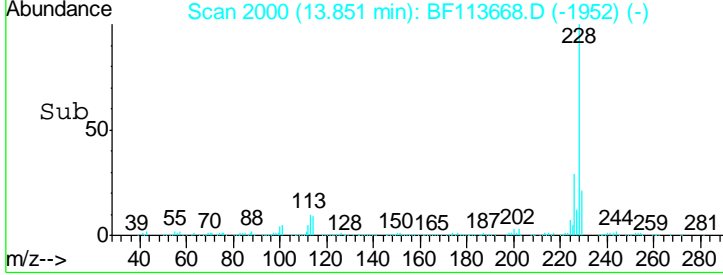
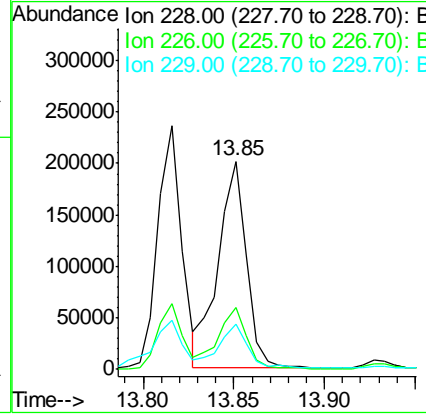
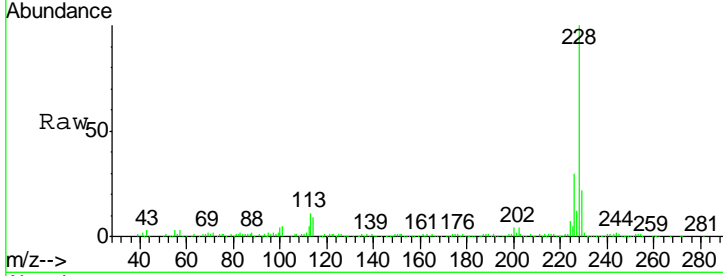




#83  
 Chrysene  
 Concen: 11.866 ng  
 RT: 13.85 min Scan# 2000  
 Delta R.T. -0.02 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

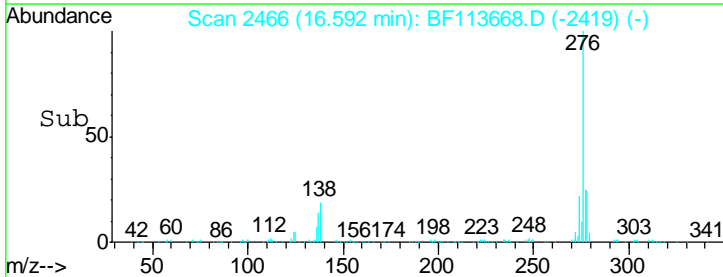
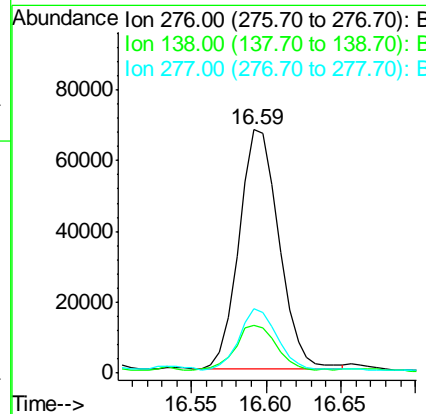
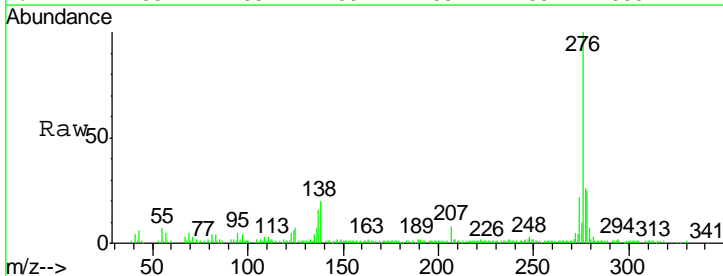
Instrument :  
 BNA\_F  
 ClientSampleId :

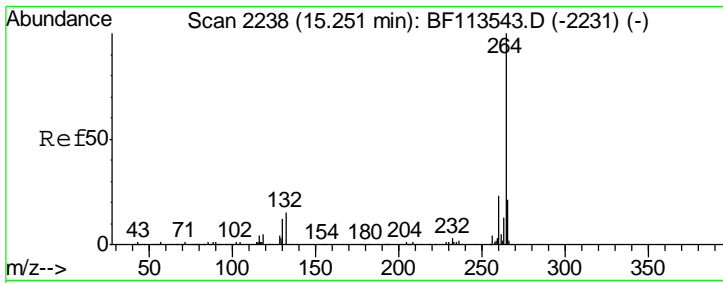
Tgt Ion	Resp	Lower	Upper
228	218322		
226	29.8	24.3	36.5
229	21.6	16.3	24.5



#86  
 Indeno(1,2,3-cd)pyrene  
 Concen: 7.395 ng  
 RT: 16.59 min Scan# 2466  
 Delta R.T. -0.02 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

Tgt Ion	Resp	Lower	Upper
276	125620		
138	20.1	18.1	27.1
277	24.0	20.2	30.4

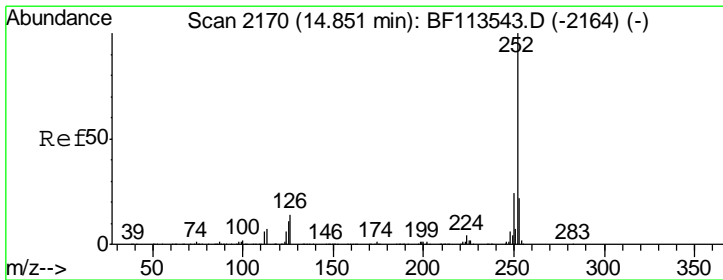
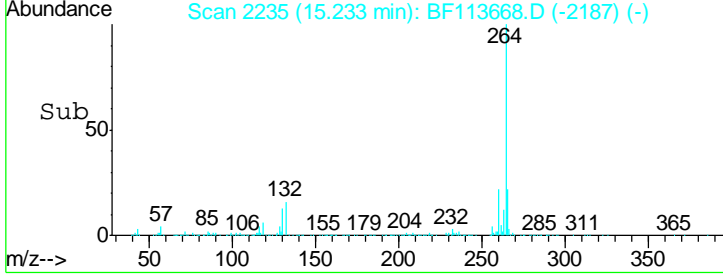
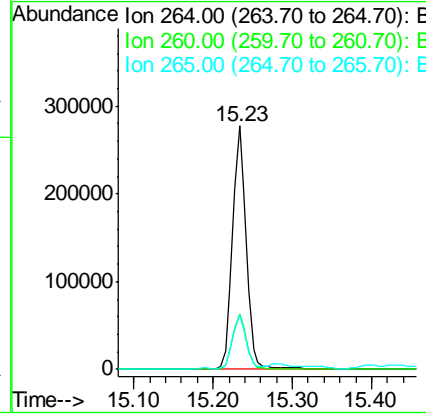
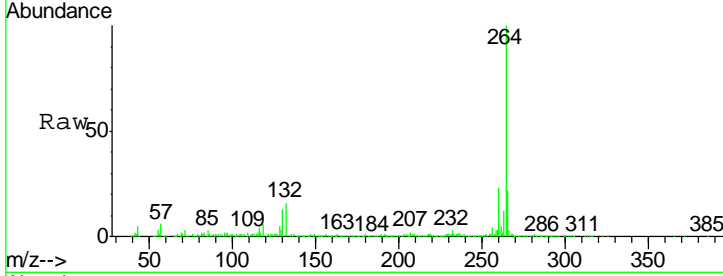




#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.23 min Scan# 2235  
 Delta R.T. -0.02 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

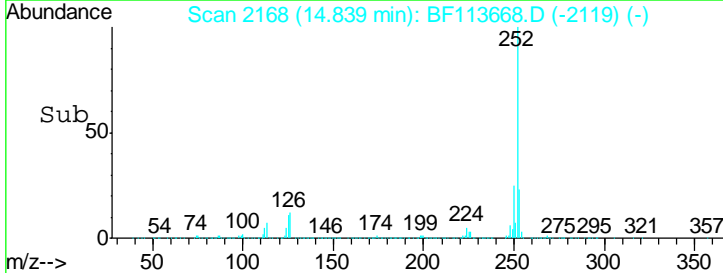
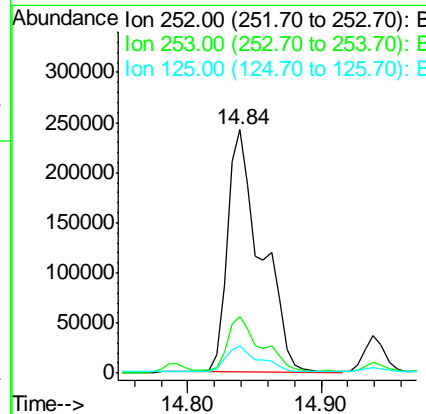
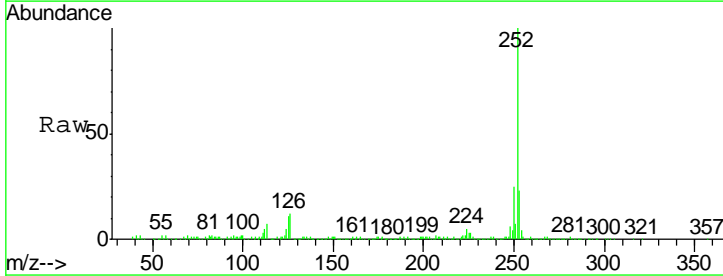
Instrument :  
 BNA\_F  
 ClientSampled :

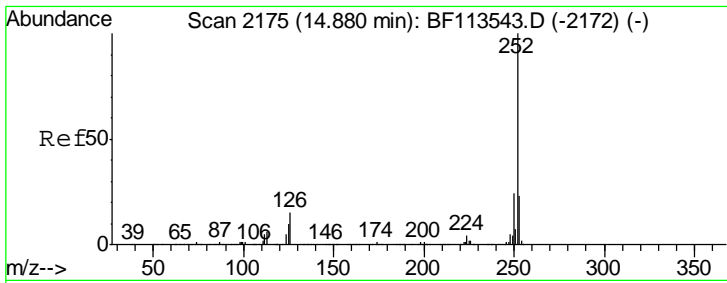
Tgt Ion	Resp	Lower	Upper
264	100		
260	22.6	19.1	28.7
265	22.2	17.1	25.7



#88  
 Benzo(b)fluoranthene  
 Concen: 20.833 ng  
 RT: 14.84 min Scan# 2168  
 Delta R.T. -0.01 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

Tgt Ion	Resp	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	11.1	7.6	11.4

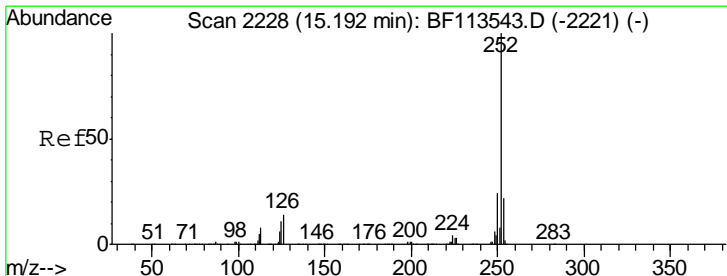
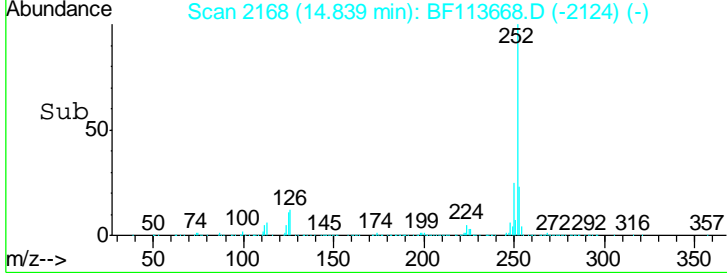
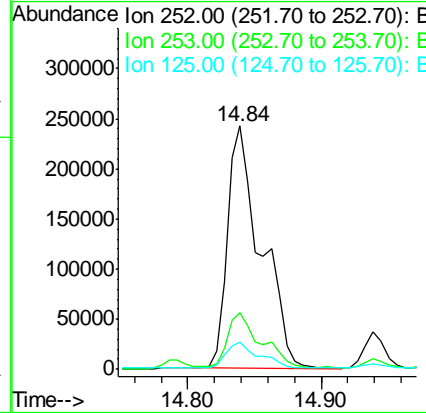
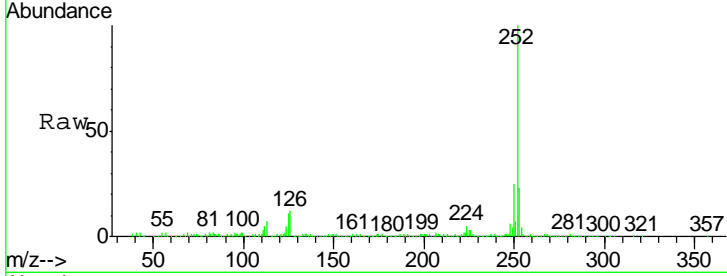




#89  
 Benzo(k)fluoranthene  
 Concen: 23.213 ng  
 RT: 14.84 min Scan# 2168  
 Delta R.T. -0.04 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

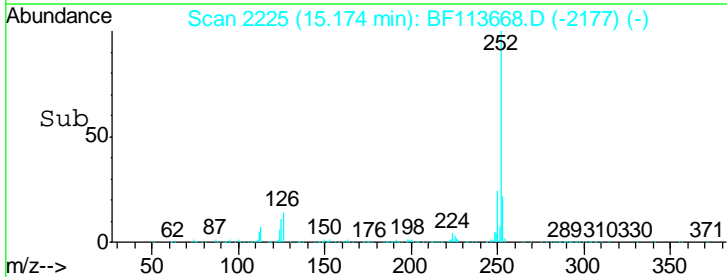
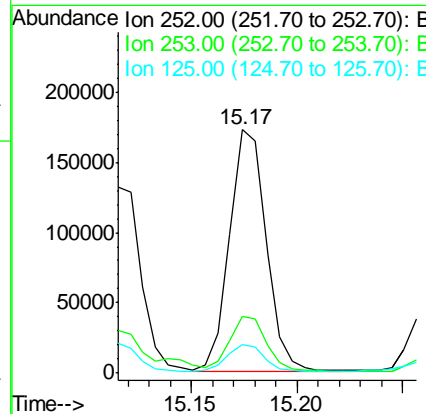
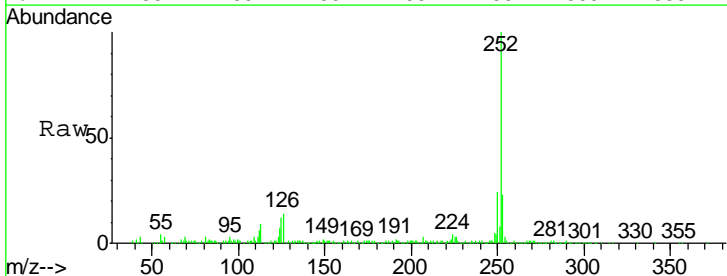
Instrument :  
 BNA\_F  
 ClientSampled :

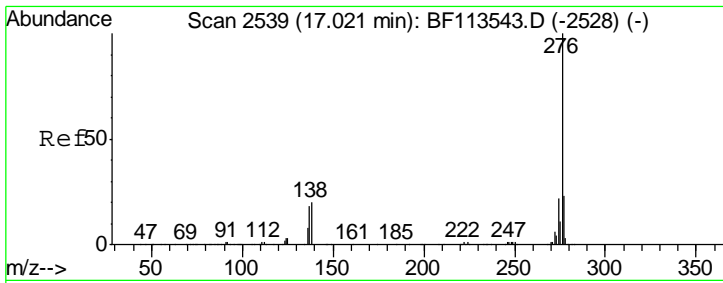
Tgt Ion	Resp	Lower	Upper
252	100		
253	23.4	17.7	26.5
125	11.1	7.3	10.9



#90  
 Benzo(a)pyrene  
 Concen: 11.521 ng  
 RT: 15.17 min Scan# 2225  
 Delta R.T. -0.02 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

Tgt Ion	Resp	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	11.9	8.8	13.2





#92  
 Benzo(a,h,i)perylene  
 Concen: 6.733 ng  
 RT: 17.00 min Scan# 2536  
 Delta R.T. -0.02 min  
 Lab File: BF113668.D  
 Acq: 9 Apr 2019 18:30

Instrument :  
 BNA\_F  
 ClientSampled :

Total Ion: 276 Resp: 116073

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	21.0	15.6	23.4

