

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\  
 Data File : BF103983.D  
 Acq On : 27 Mar 2018 21:14  
 Operator : JU/SJ  
 Sample : J2052-03  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Mar 28 03:57:19 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 23 13:26:17 2018  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	131683	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	527766	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	226620	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	355423	20.00	ng	0.00
75) Chrysene-d12	14.16	240	249002	20.00	ng	-0.01
86) Perylene-d12	15.70	264	214166	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	744396	85.98	ng	0.01
7) Phenol-d6	6.60	99	912584	86.16	ng	0.00
23) Nitrobenzene-d5	7.53	82	526973	69.63	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	199850	102.57	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	903052	63.56	ng	0.00
78) Terphenyl-d14	13.09	244	677626	63.17	ng	-0.01

Target Compounds

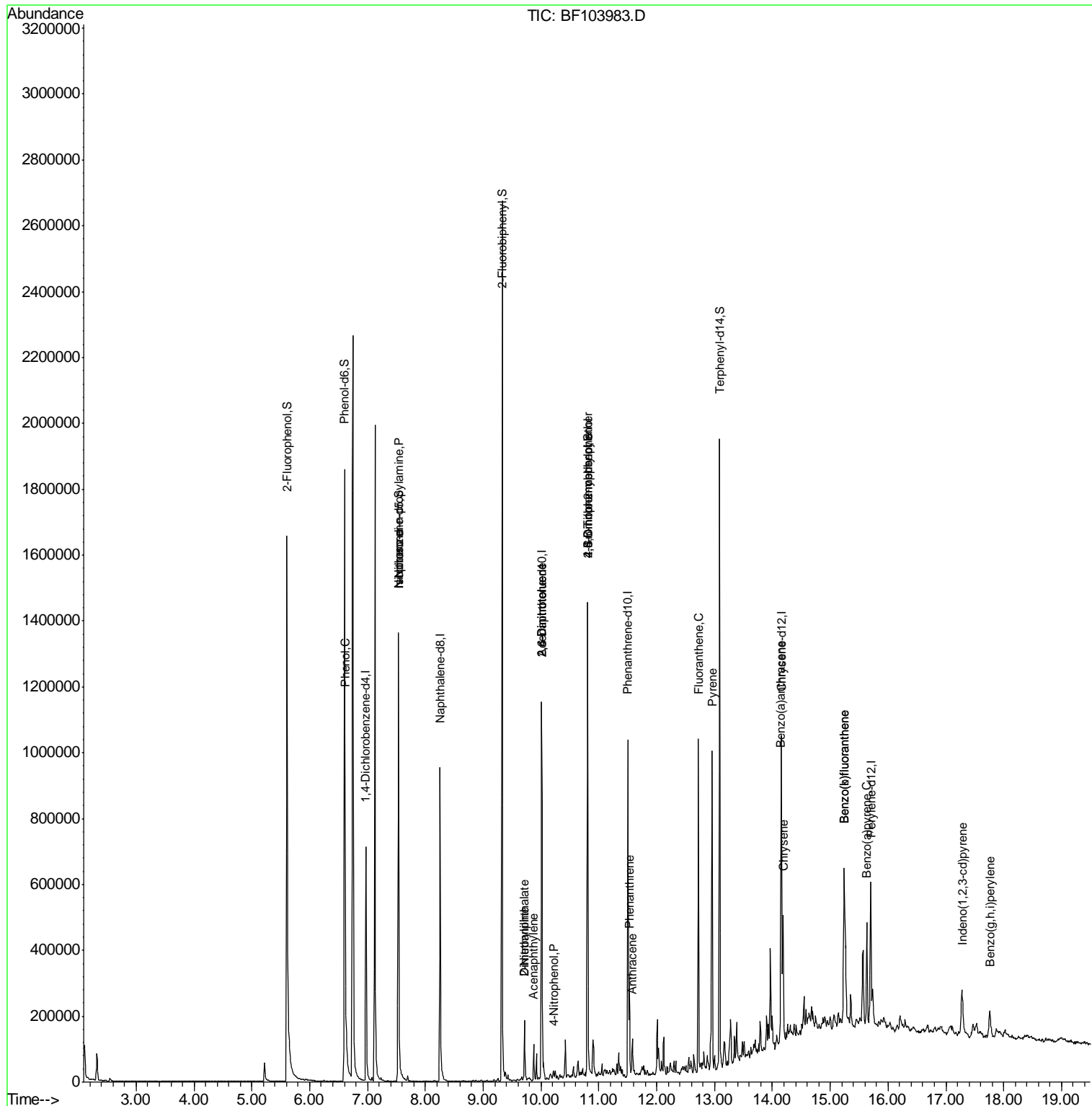
						Qvalue
10) Phenol	6.62	94	23202	2.061	ng	# 57
19) n-Nitroso-di-n-propylamine	7.53	70	67588	9.957	ng	# 72
25) Isophorone	7.53	82	526973	30.079	ng	# 64
47) 2-Nitroaniline	9.72	65	646	6.955	ng	# 1
48) Acenaphthylene	9.87	152	51404	2.209	ng	97
49) Dimethylphthalate	9.72	163	67994	3.933	ng	99
50) 2,6-Dinitrotoluene	10.01	165	29296	12.016	ng	# 25
55) 4-Nitrophenol	10.22	139	3422	5.984	ng	# 15
56) 2,4-Dinitrotoluene	10.01	165	29297	12.233	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	142	8.235	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	11761	3.223	ng	# 1
70) Phenanthrene	11.53	178	102835	5.289	ng	96
71) Anthracene	11.58	178	44712	2.264	ng	98
74) Fluoranthene	12.72	202	385443	19.243	ng	99
77) Pyrene	12.96	202	385597	21.086	ng	98
80) Benzo(a)anthracene	14.14	228	196803	12.486	ng	98
82) Chrysene	14.19	228	172267	11.465	ng	97
85) Indeno(1,2,3-cd)pyrene	17.28	276	85090	6.485	ng	# 93
87) Benzo(b)fluoranthene	15.24	252	352502	26.052	ng	97
88) Benzo(k)fluoranthene	15.24	252	352502	27.102	ng	100
89) Benzo(a)pyrene	15.63	252	150748	12.284	ng	96
91) Benzo(g,h,i)perylene	17.76	276	69913	6.763	ng	93

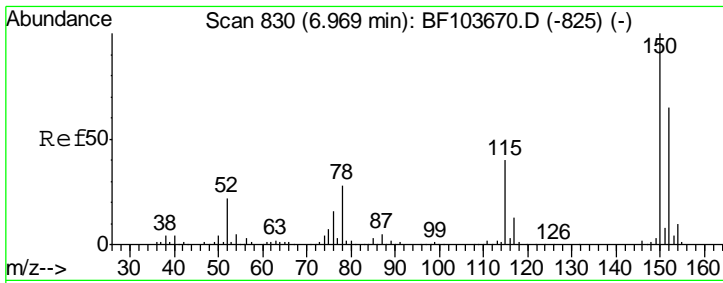
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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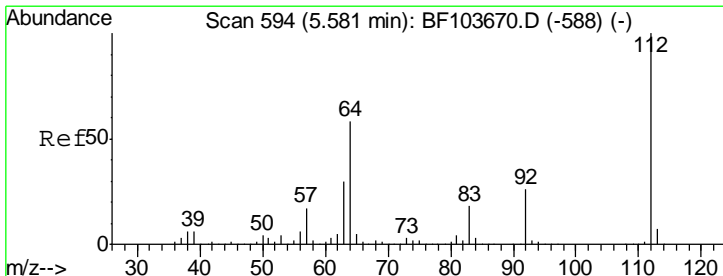
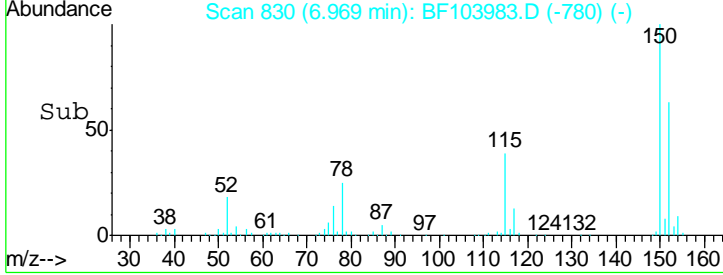
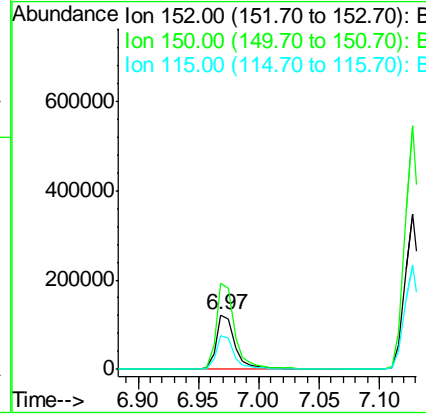
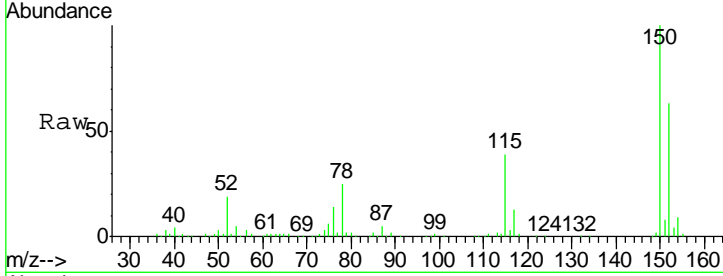




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.97 min Scan# 830  
 Delta R.T. -0.01 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

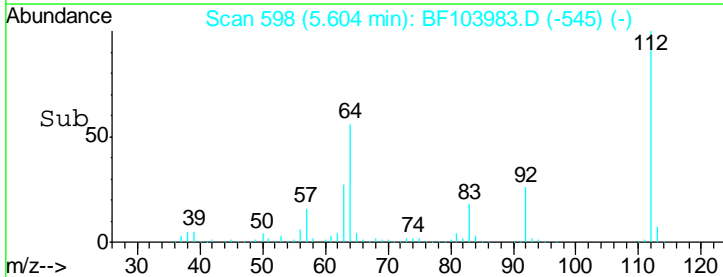
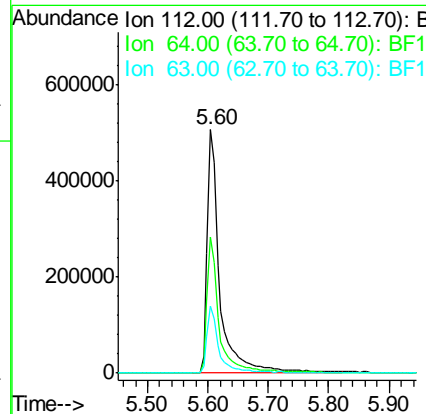
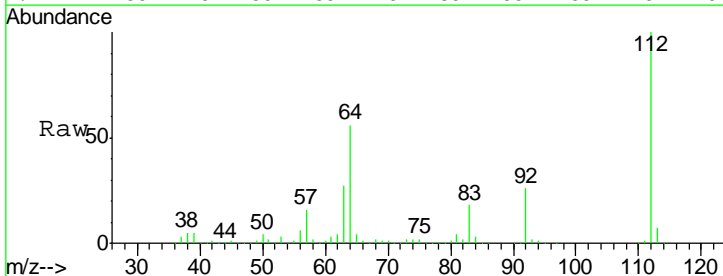
Instrument :  
 BNA\_F  
 ClientSampled :

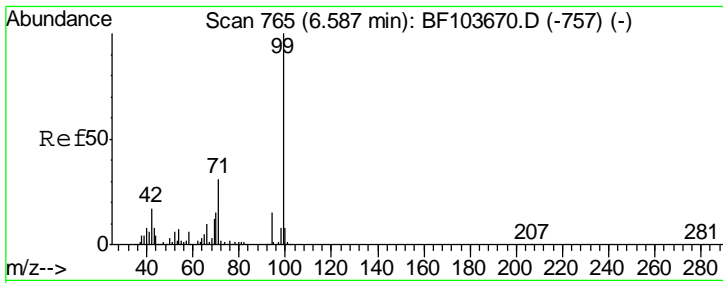
Tgt Ion	Resp	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	62.8	50.1	75.1



#5  
 2-Fluorophenol  
 Concen: 85.981 ng  
 RT: 5.60 min Scan# 598  
 Delta R.T. 0.01 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

Tgt Ion	Resp	Lower	Upper
112	100		
64	55.8	47.9	71.9
63	27.3	23.7	35.5

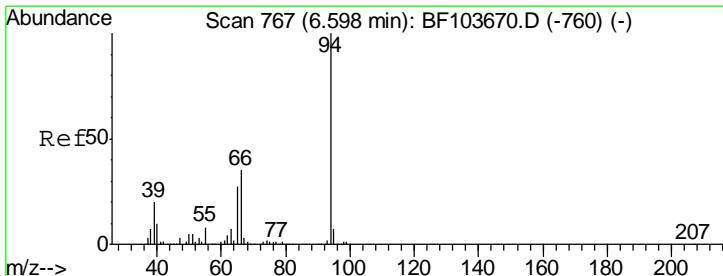
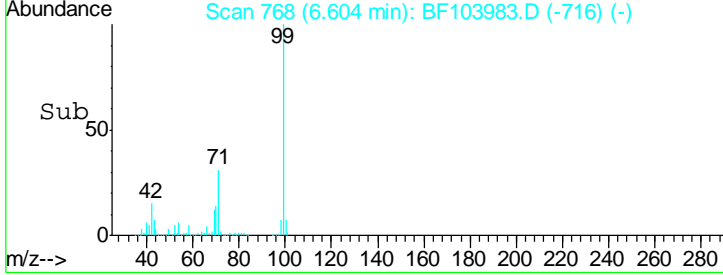
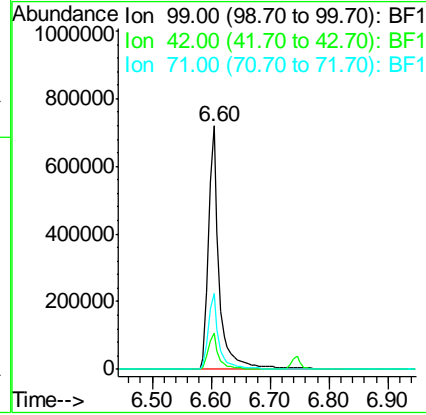
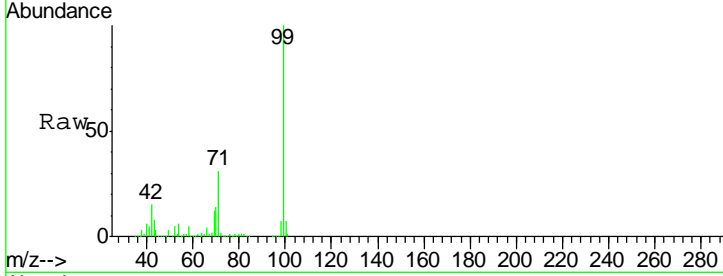




#7  
 Phenol-d6  
 Concen: 86.157 ng  
 RT: 6.60 min Scan# 768  
 Delta R.T. 0.01 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

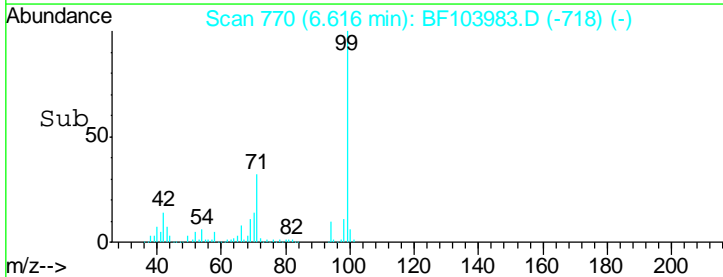
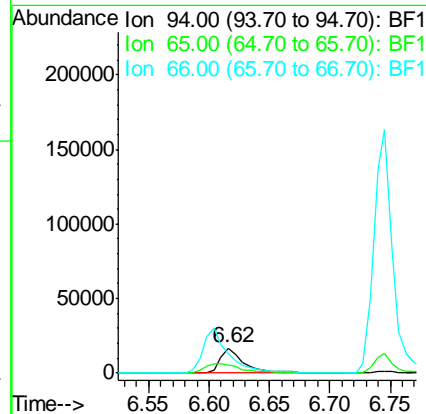
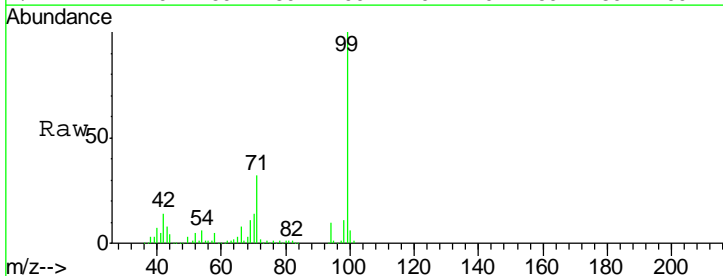
Instrument :  
 BNA\_F  
 ClientSampled :

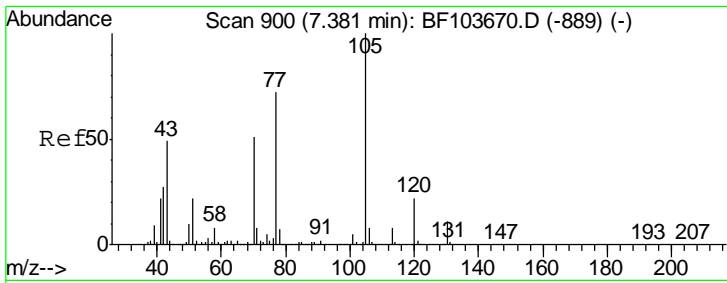
Tgt Ion	Resp	Lower	Upper
99	912584		
42	14.9	14.5	21.7
71	31.3	25.4	38.0



#10  
 Phenol  
 Concen: 2.061 ng  
 RT: 6.62 min Scan# 770  
 Delta R.T. 0.01 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

Tgt Ion	Resp	Lower	Upper
94	23202		
65	32.8	7.9	47.9
66	76.7	16.2	56.2#

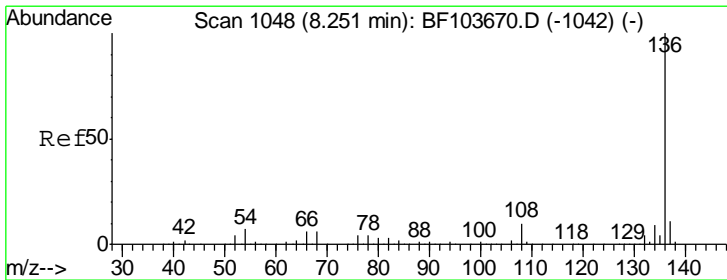
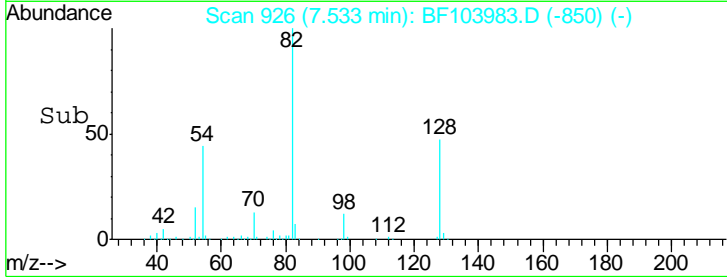
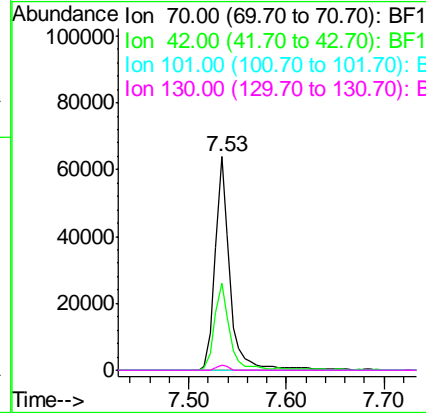
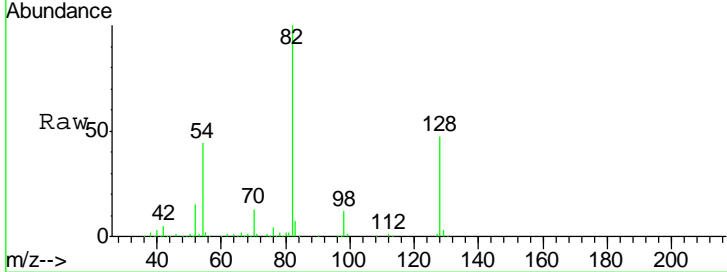




#19  
 n-Nitroso-di-n-propylamine  
 Concen: 9.957 ng  
 RT: 7.53 min Scan# 926  
 Delta R.T. 0.15 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

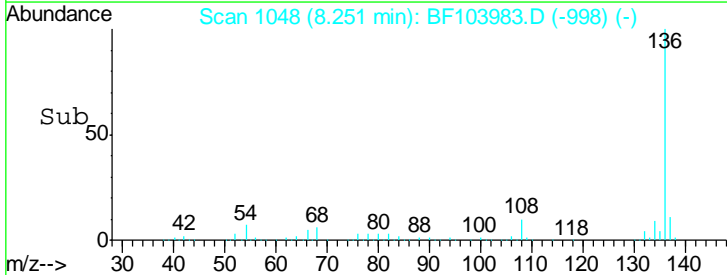
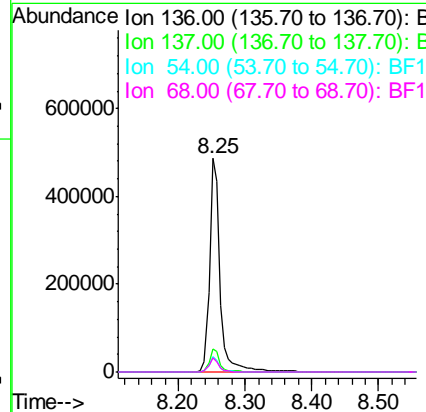
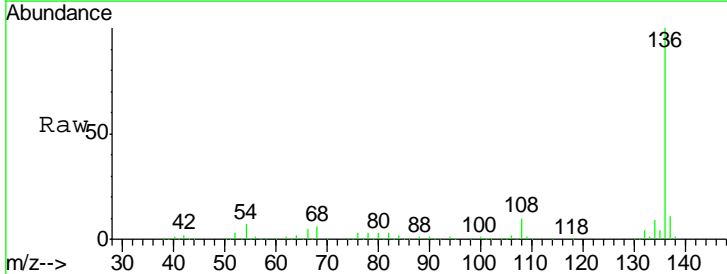
Instrument :  
 BNA\_F  
 ClientSampled :

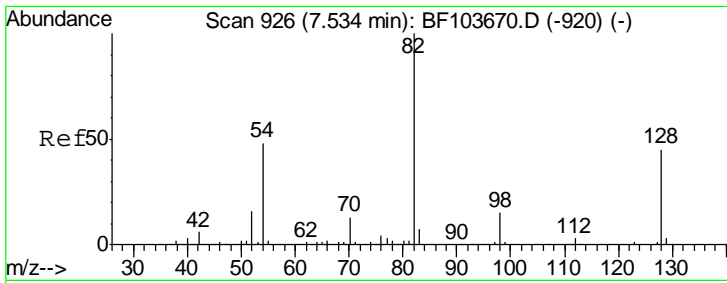
Tgt Ion	Resp	Lower	Upper
70	100		
42	41.0	47.5	71.3#
101	0.0	7.4	11.2#
130	2.4	16.6	25.0#



#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 8.25 min Scan# 1048  
 Delta R.T. -0.01 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

Tgt Ion	Resp	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.3	6.6	9.8
68	6.5	5.0	7.4

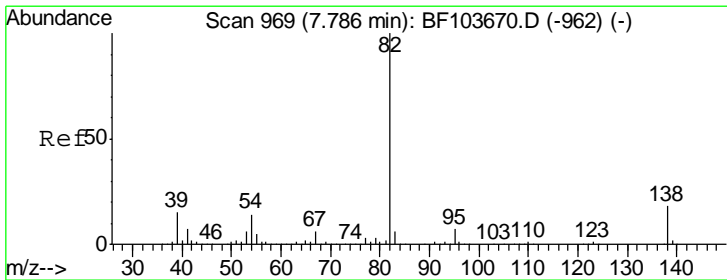
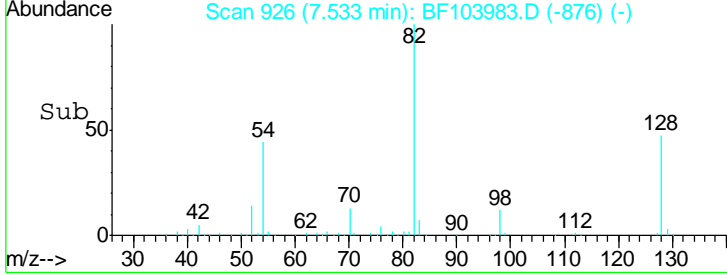
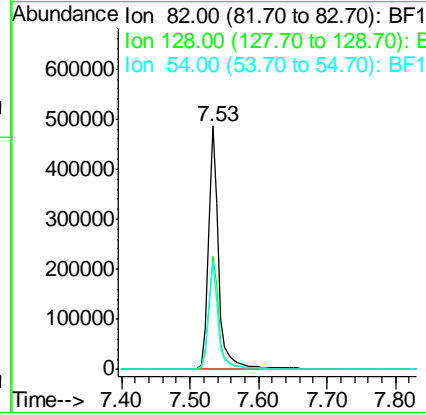
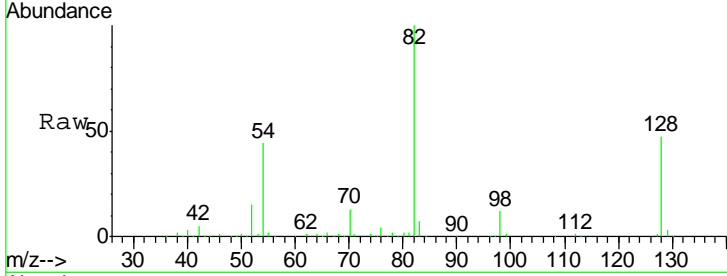




#23  
 Nitrobenzene-d5  
 Concen: 69.631 ng  
 RT: 7.53 min Scan# 926  
 Delta R.T. -0.01 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

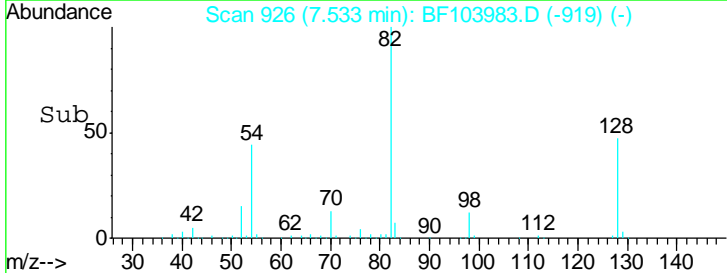
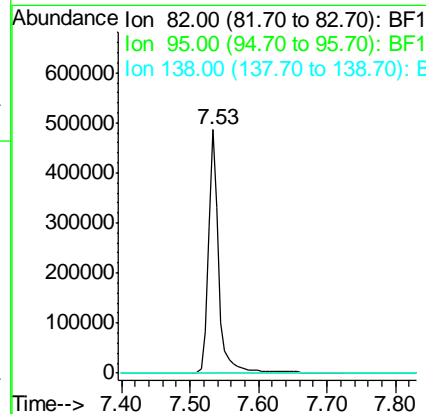
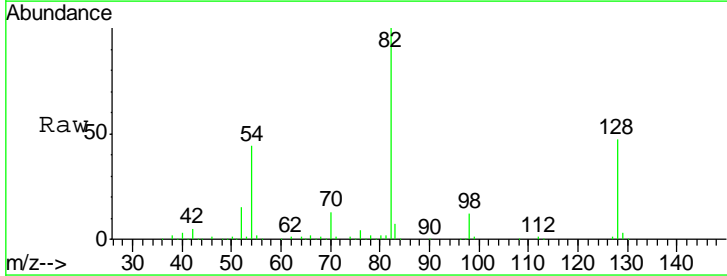
Instrument :  
 BNA\_F  
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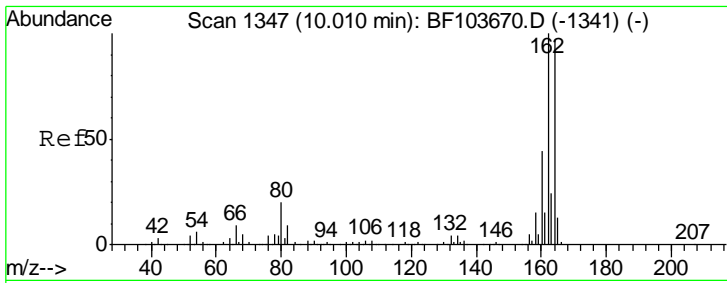
Tgt Ion	Resp	Lower	Upper
82	100		
128	46.6	36.1	54.1
54	44.5	41.4	62.2



#25  
 Isophorone  
 Concen: 30.079 ng  
 RT: 7.53 min Scan# 926  
 Delta R.T. -0.26 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

Tgt Ion	Resp	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

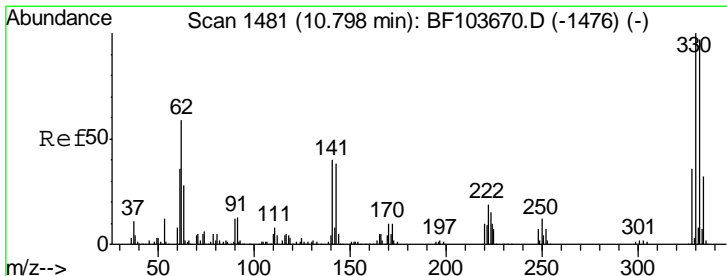
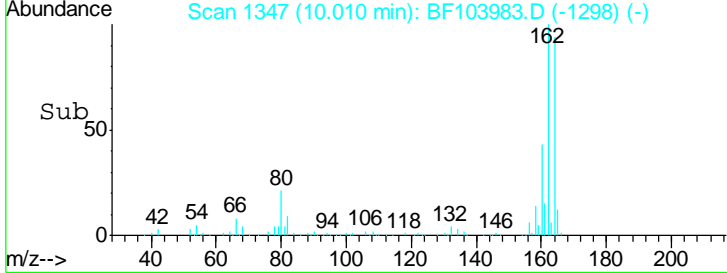
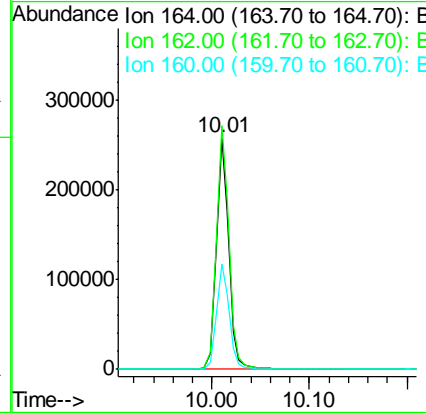
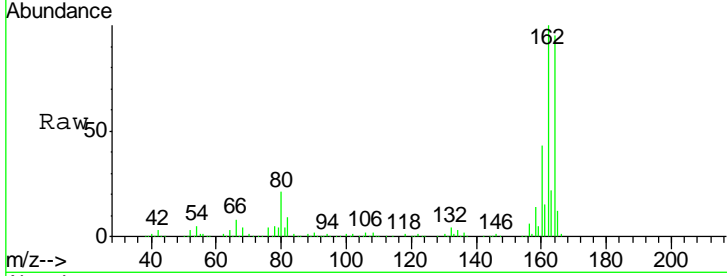




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.01 min Scan# 1347  
 Delta R.T. -0.01 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

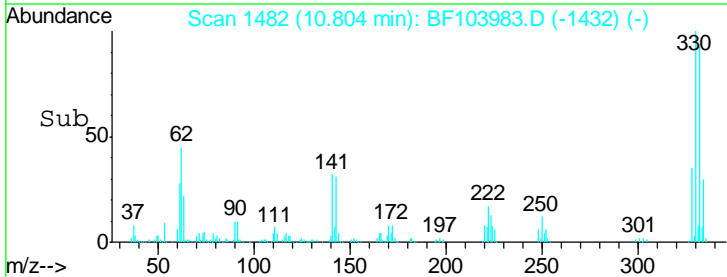
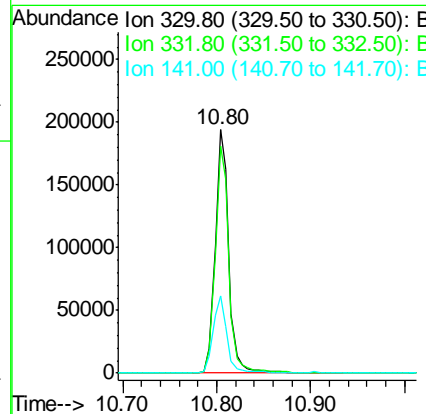
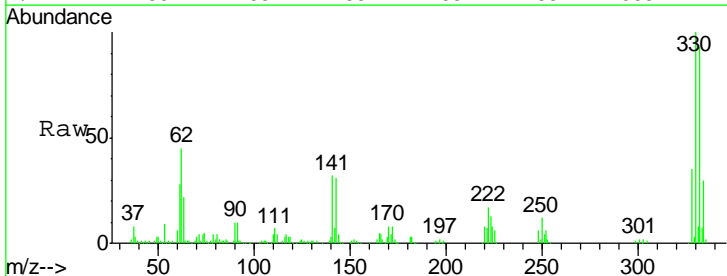
Instrument :  
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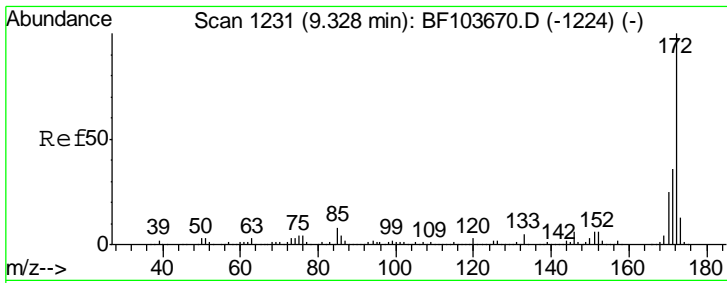
Tgt Ion	Resp	Lower	Upper
164	100		
162	105.3	86.1	129.1
160	45.5	38.3	57.5



#41  
 2,4,6-Tribromophenol  
 Concen: 102.566 ng  
 RT: 10.80 min Scan# 1482  
 Delta R.T. -0.01 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

Tgt Ion	Resp	Lower	Upper
330	100		
332	94.2	77.0	115.6
141	32.2	29.9	44.9

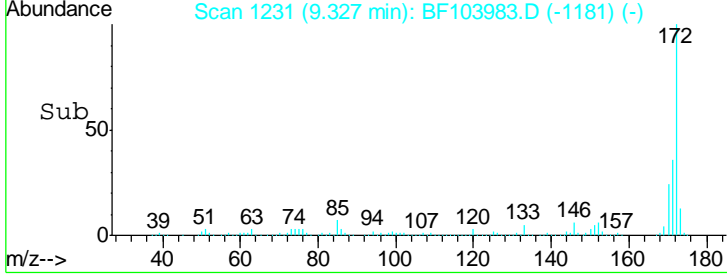
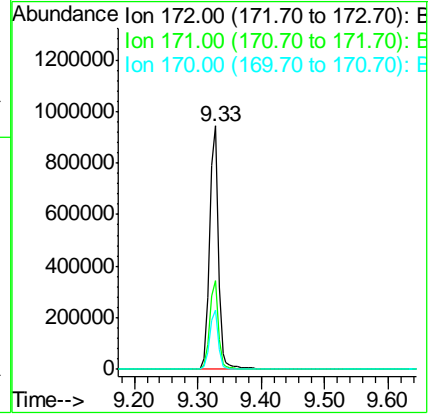
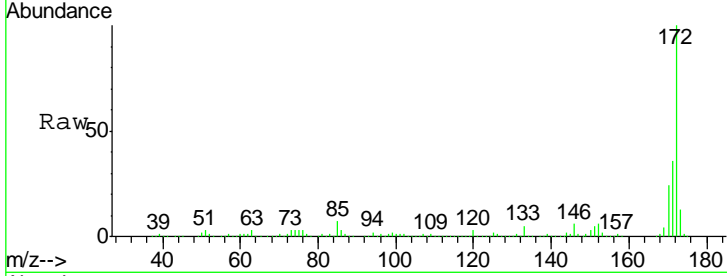




#44  
 2-Fluorobiphenyl  
 Concen: 63.565 ng  
 RT: 9.33 min Scan# 1231  
 Delta R.T. -0.01 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

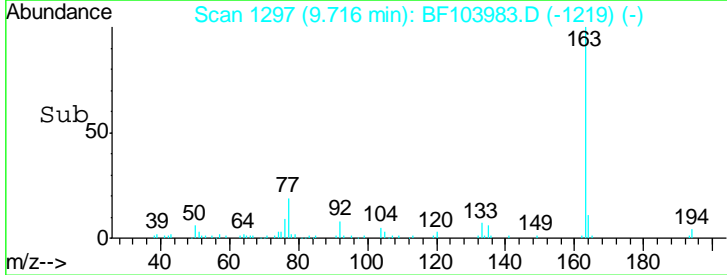
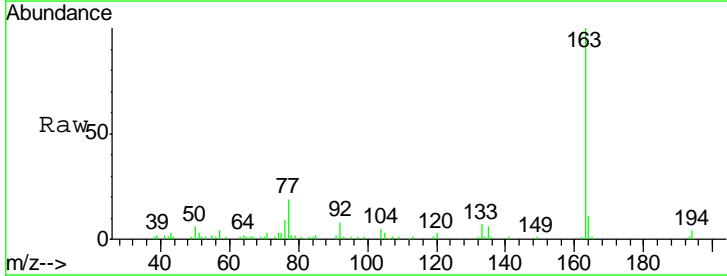
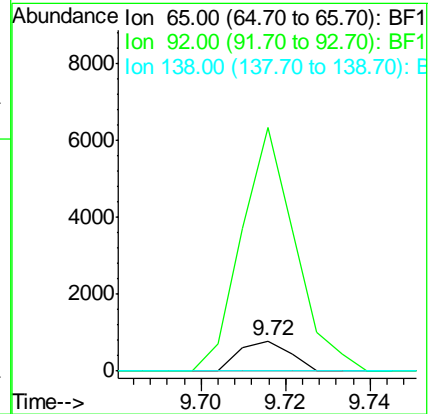
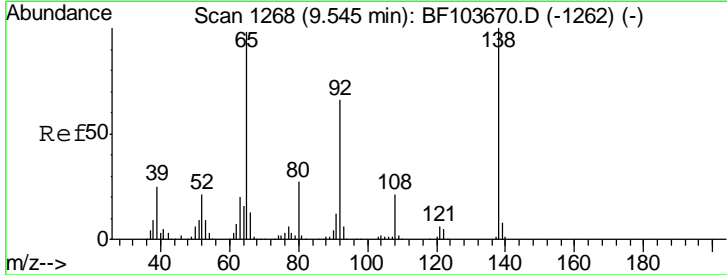
Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.2	19.6	29.4

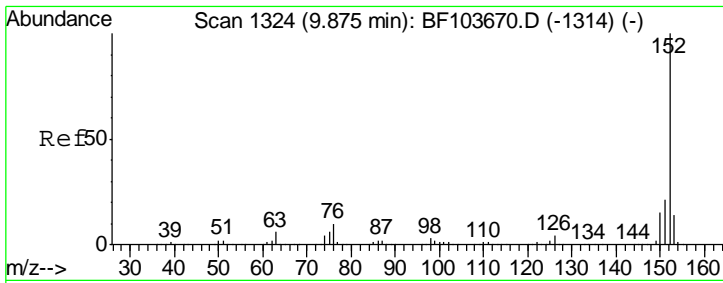


#47  
 2-Nitroaniline  
 Concen: 6.955 ng  
 RT: 9.72 min Scan# 1297  
 Delta R.T. 0.16 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

Tgt Ion	Resp	Lower	Upper
65	100		
92	810.5	55.8	83.6#
138	0.0	91.2	136.8#





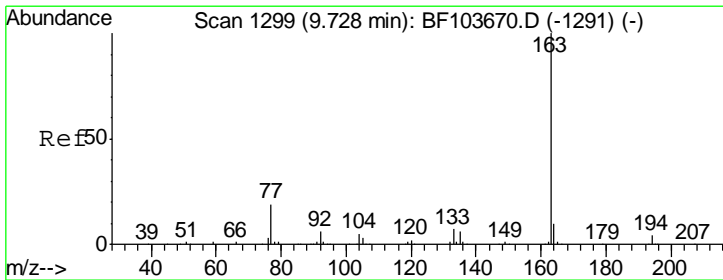
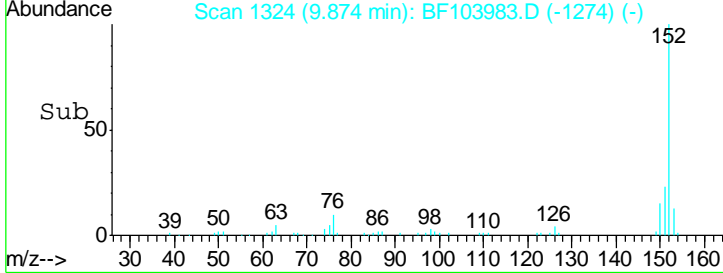
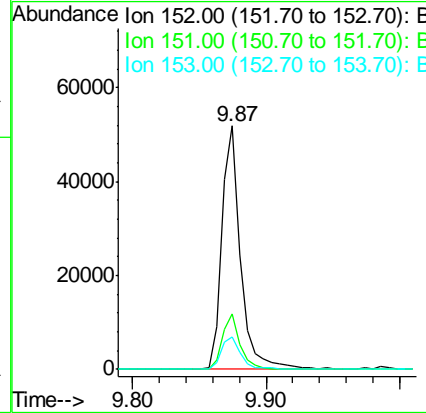
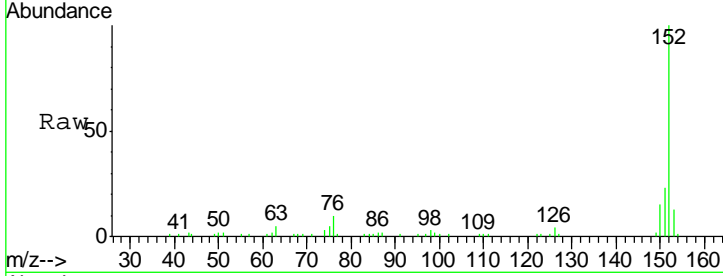


#48  
 Acenaphthylene  
 Concen: 2.209 ng  
 RT: 9.87 min Scan# 1324  
 Delta R.T. -0.01 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion:152 Resp: 51404

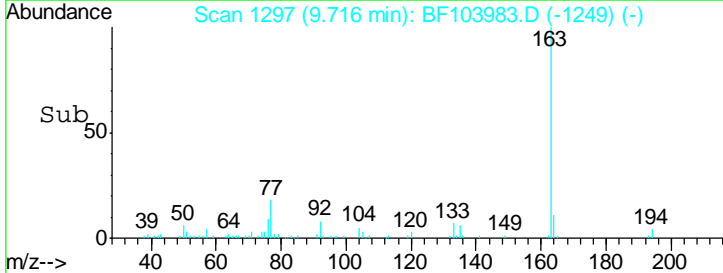
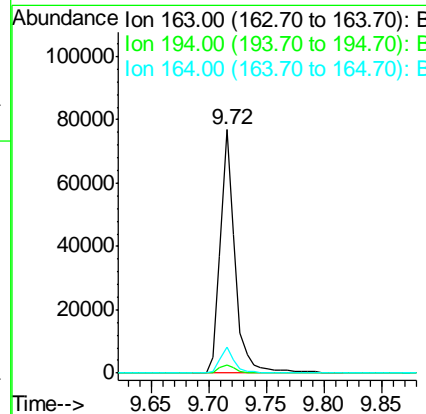
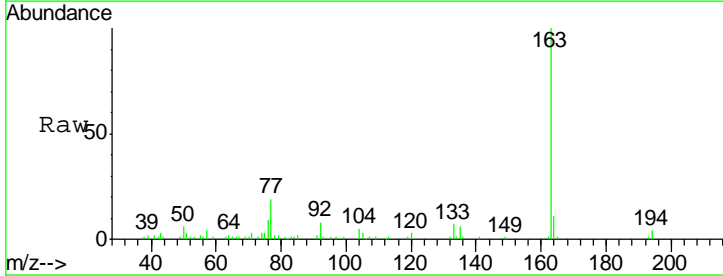
Ion	Ratio	Lower	Upper
152	100		
151	22.8	16.3	24.5
153	13.5	10.7	16.1

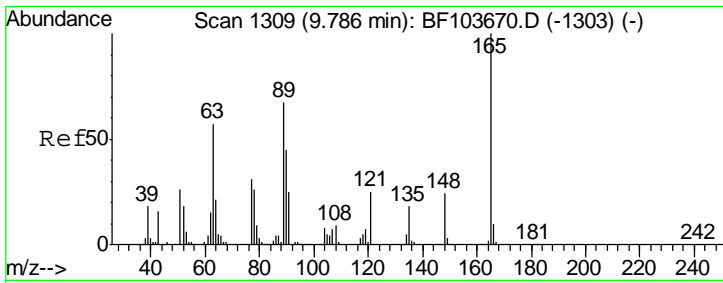


#49  
 Dimethylphthalate  
 Concen: 3.933 ng  
 RT: 9.72 min Scan# 1297  
 Delta R.T. -0.02 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

Tgt Ion:163 Resp: 67994

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	10.8	8.2	12.2

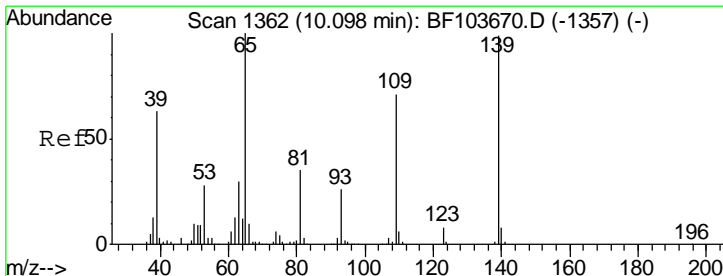
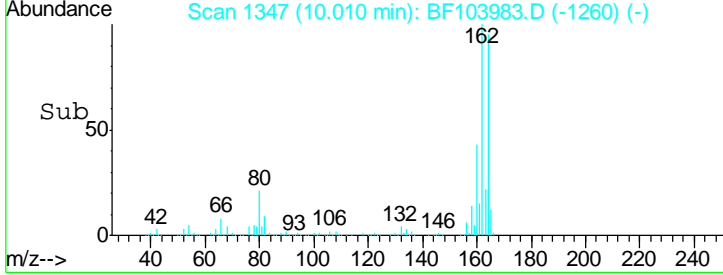
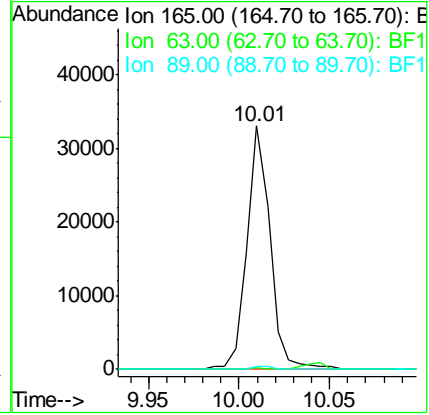
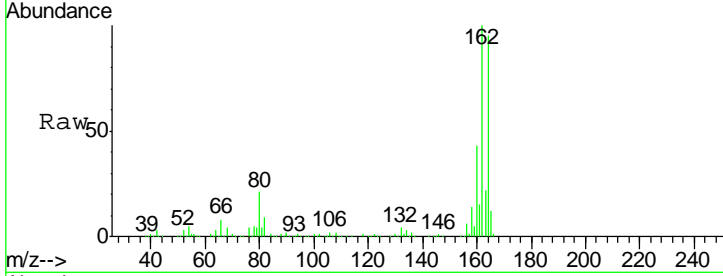




#50  
 2,6-Dinitrotoluene  
 Concen: 12.016 ng  
 RT: 10.01 min Scan# 1347  
 Delta R.T. 0.21 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

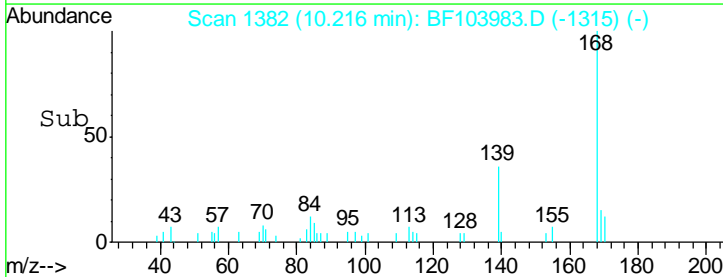
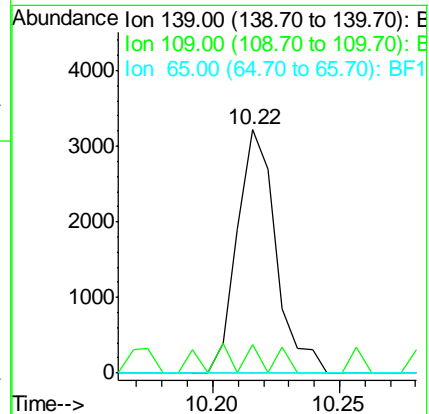
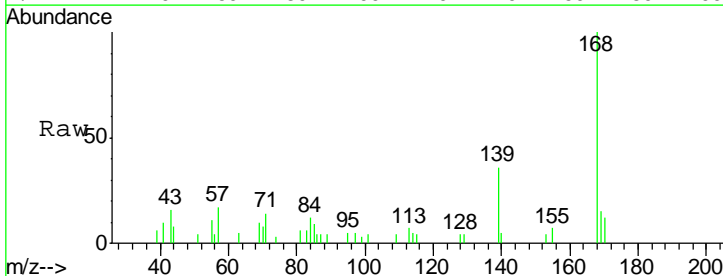
Instrument :  
 BNA\_F  
 ClientSampled :

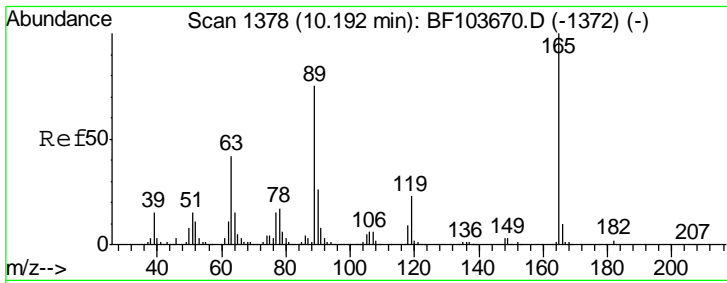
Tgt Ion	Resp	Lower	Upper
165	100		
63	1.0	44.7	67.1#
89	1.5	44.0	66.0#



#55  
 4-Nitrophenol  
 Concen: 5.984 ng  
 RT: 10.22 min Scan# 1382  
 Delta R.T. 0.09 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

Tgt Ion	Resp	Lower	Upper
139	100		
109	11.7	48.4	88.4#
65	0.0	72.6	112.6#

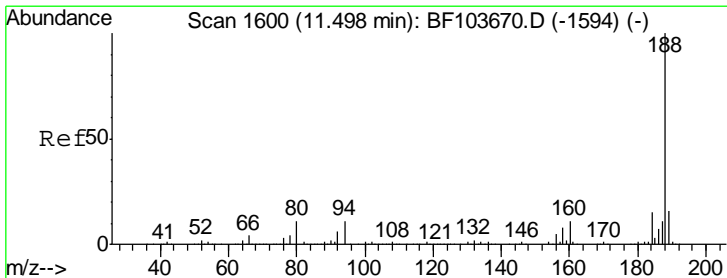
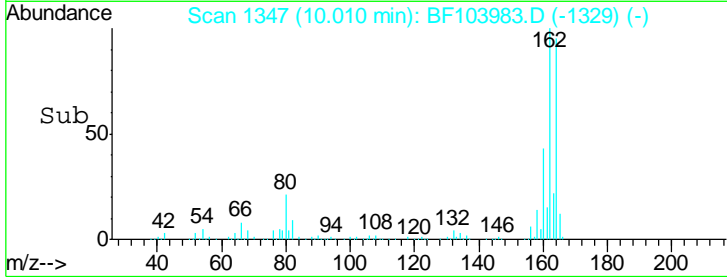
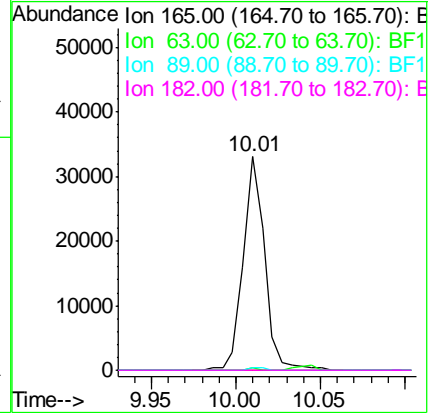
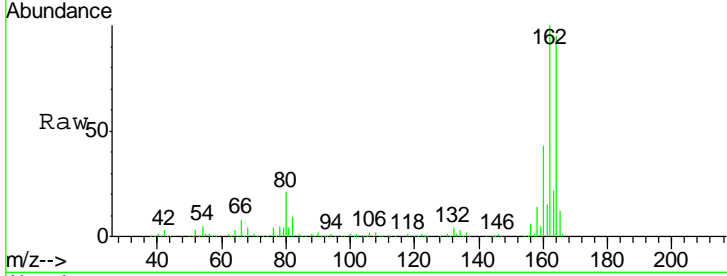




#56  
 2,4-Dinitrotoluene  
 Concen: 12.233 ng  
 RT: 10.01 min Scan# 1347  
 Delta R.T. -0.19 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

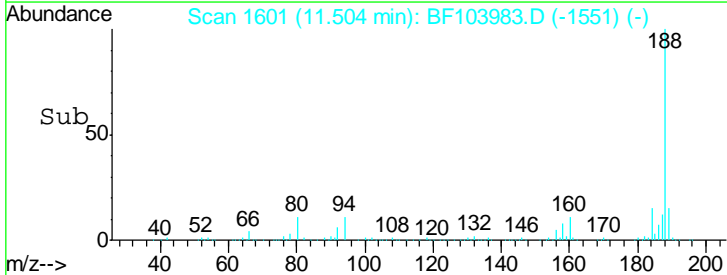
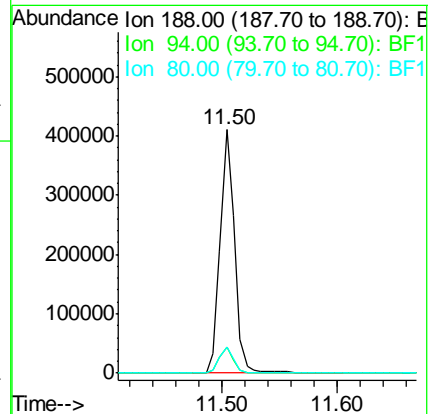
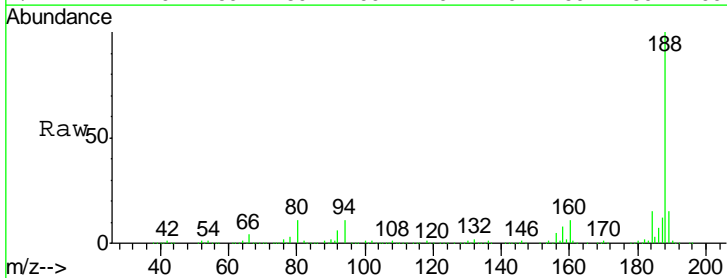
Instrument :  
 BNA\_F  
 ClientSampled :

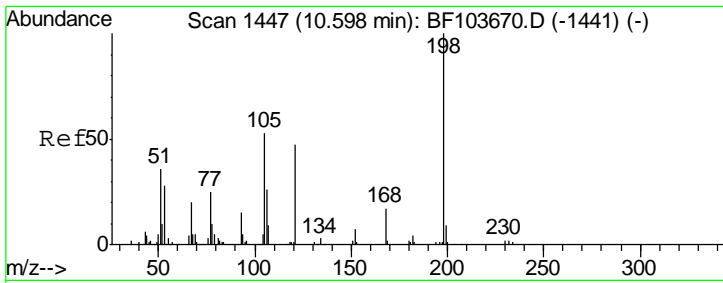
Tgt Ion	Resp	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.50 min Scan# 1601  
 Delta R.T. -0.01 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

Tgt Ion	Resp	Lower	Upper
188	100		
94	10.6	8.5	12.7
80	10.9	9.2	13.8

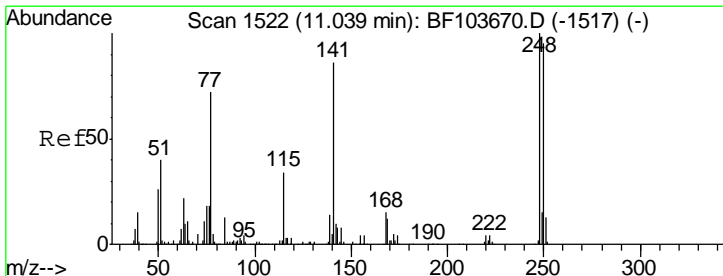
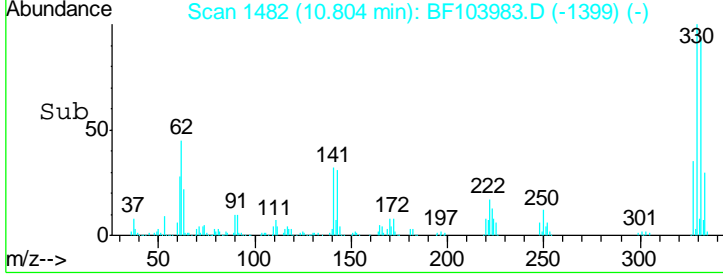
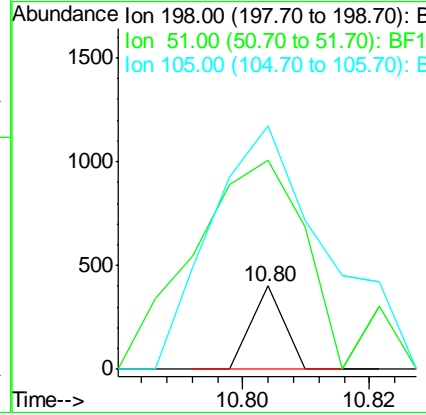
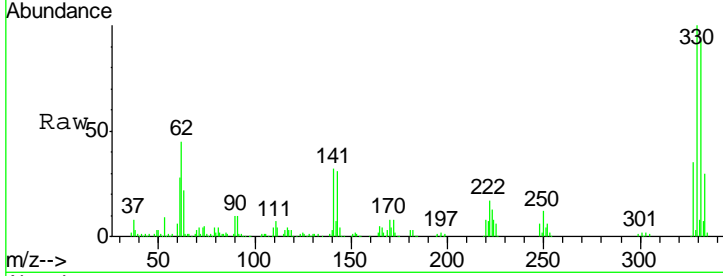




#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 8.235 ng  
 RT: 10.80 min Scan# 1482  
 Delta R.T. 0.19 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

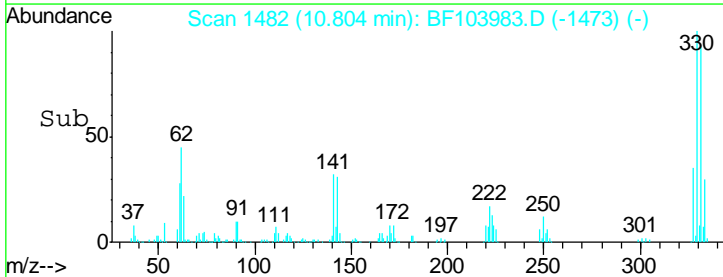
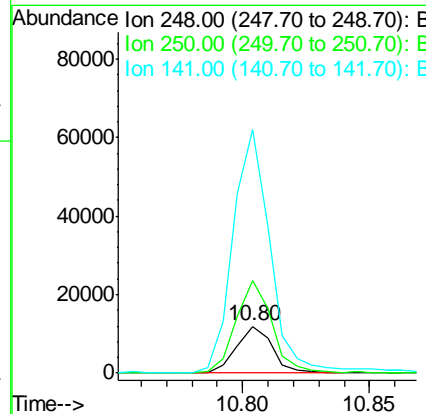
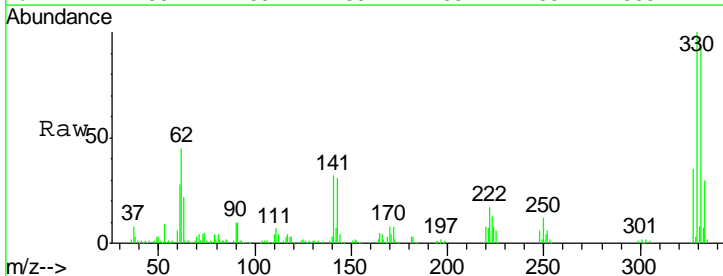
Instrument :  
 BNA\_F  
 ClientSampleId :

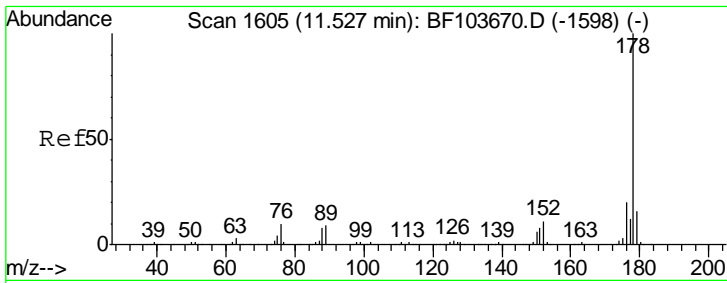
Tgt Ion	Resp	Lower	Upper
198	100		
51	250.4	37.7	77.7#
105	292.3	36.3	76.3#



#66  
 4-Bromophenyl-phenylether  
 Concen: 3.223 ng  
 RT: 10.80 min Scan# 1482  
 Delta R.T. -0.25 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

Tgt Ion	Resp	Lower	Upper
248	100		
250	199.2	76.9	115.3#
141	520.6	74.4	111.6#

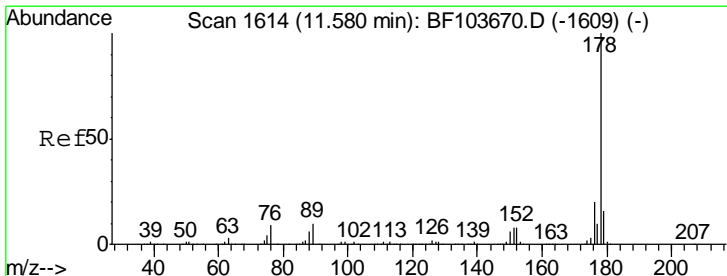
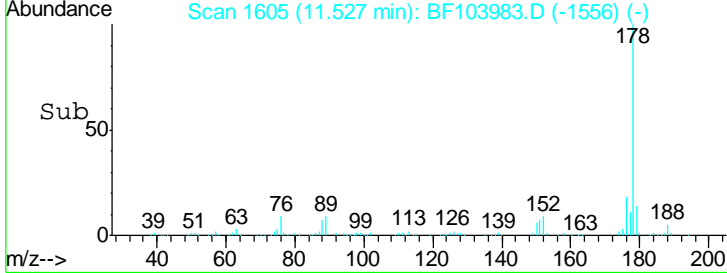
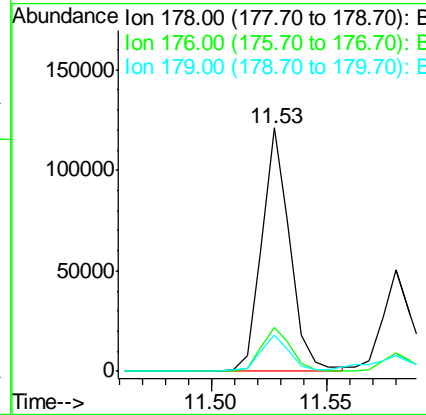
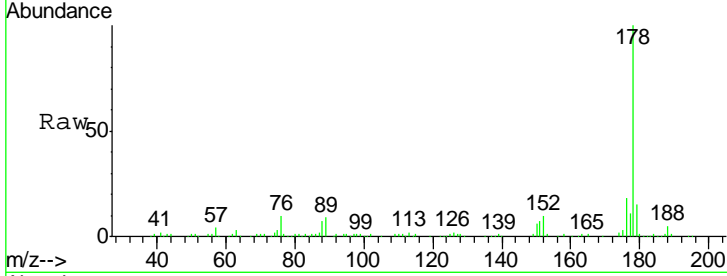




#70  
 Phenanthrene  
 Concen: 5.289 ng  
 RT: 11.53 min Scan# 1605  
 Delta R.T. -0.01 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

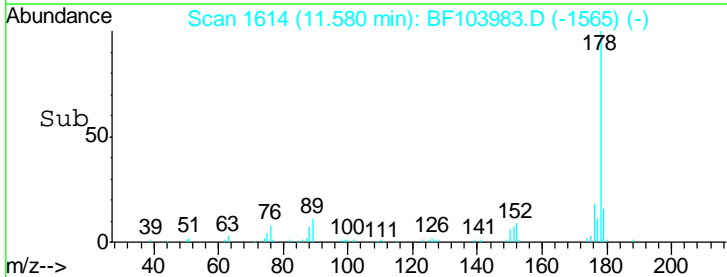
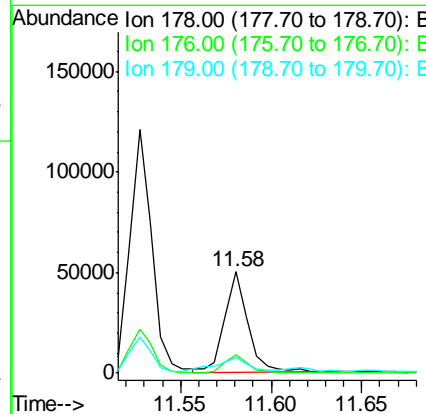
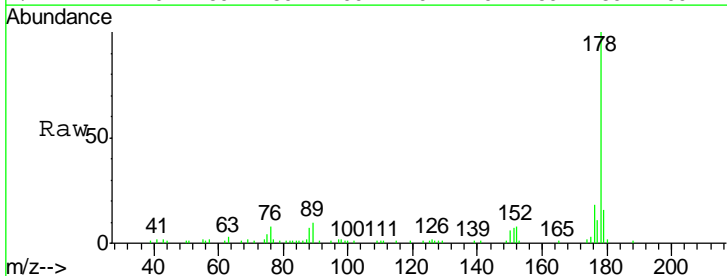
Instrument :  
 BNA\_F  
 ClientSampled :

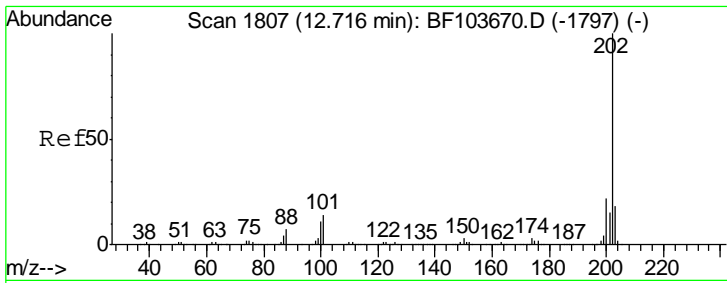
Tgt Ion	Resp	Lower	Upper
178	102835		
176	18.2	15.8	23.8
179	14.7	13.0	19.6



#71  
 Anthracene  
 Concen: 2.264 ng  
 RT: 11.58 min Scan# 1614  
 Delta R.T. -0.01 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

Tgt Ion	Resp	Lower	Upper
178	44712		
176	18.1	15.4	23.2
179	15.6	12.6	19.0

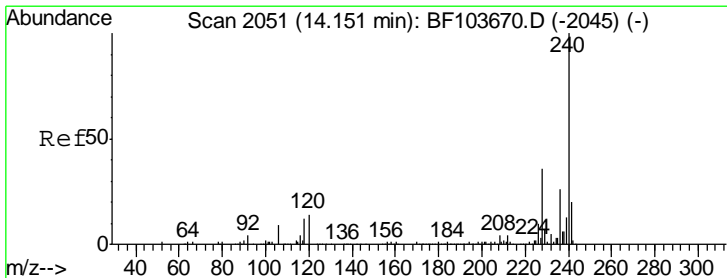
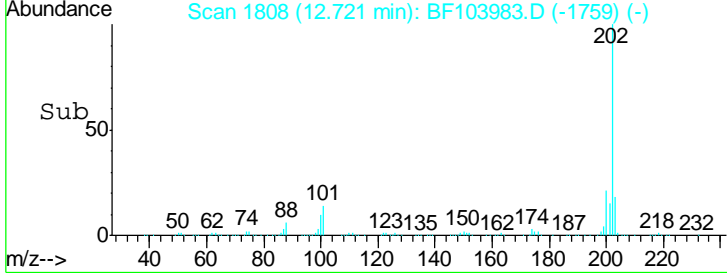
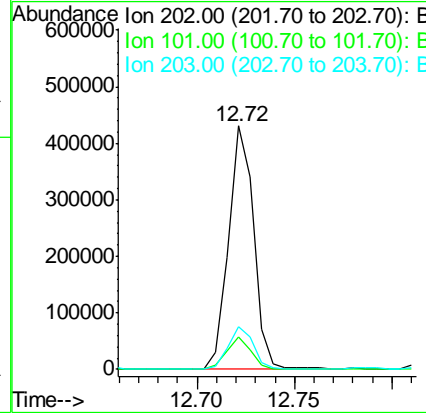
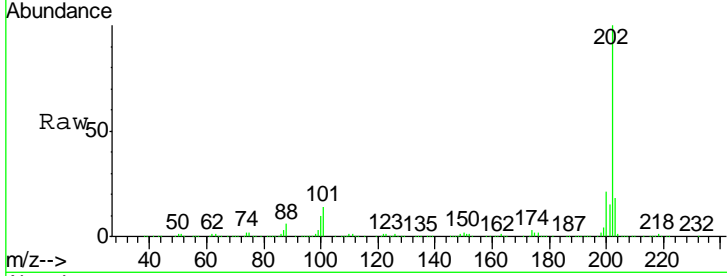




#74  
 Fluoranthene  
 Concen: 19.243 ng  
 RT: 12.72 min Scan# 1808  
 Delta R.T. -0.01 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

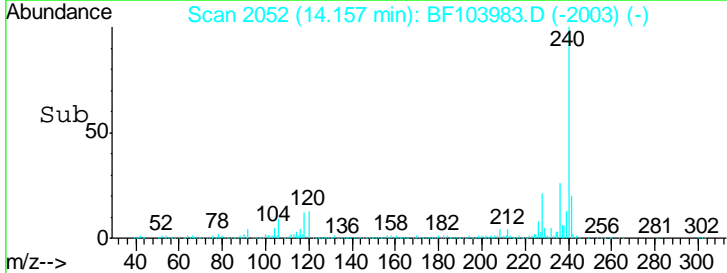
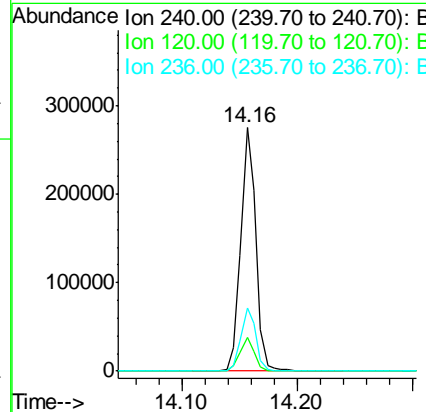
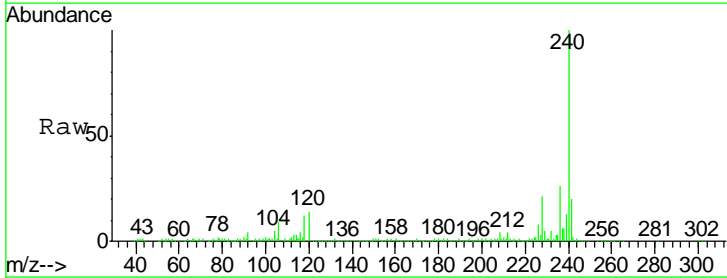
Instrument :  
 BNA\_F  
 ClientSampled :

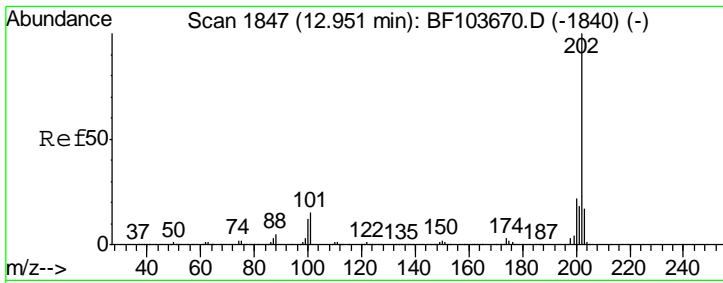
Tgt Ion	Resp	Lower	Upper
202	385443		
101	13.5	0.0	34.1
203	17.7	0.0	38.1



#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.16 min Scan# 2052  
 Delta R.T. -0.01 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

Tgt Ion	Resp	Lower	Upper
240	249002		
120	13.6	9.5	14.3
236	26.0	20.7	31.1

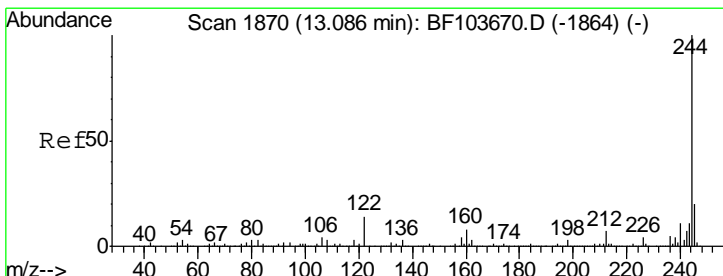
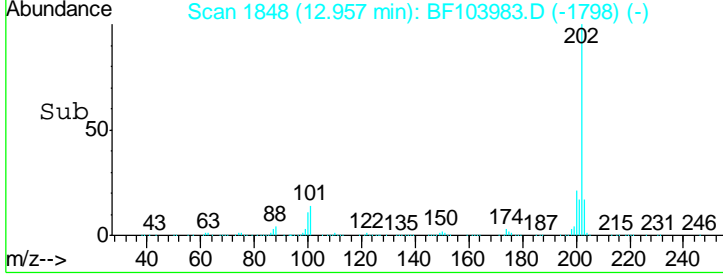
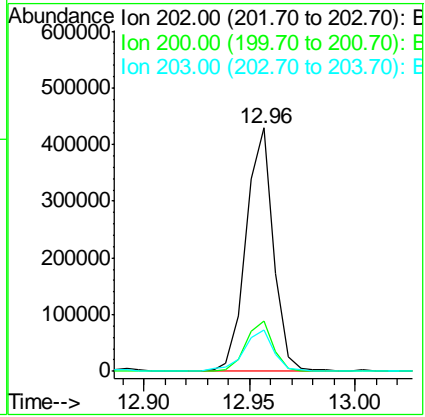
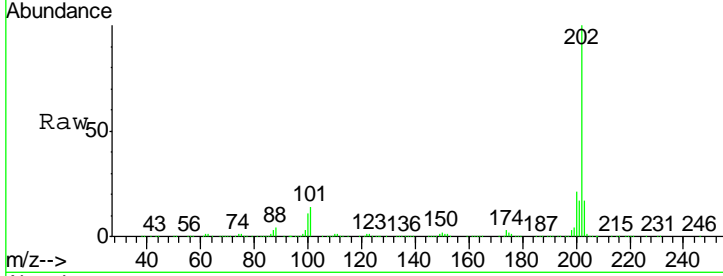




#77  
 Pyrene  
 Concen: 21.086 ng  
 RT: 12.96 min Scan# 1848  
 Delta R.T. -0.01 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

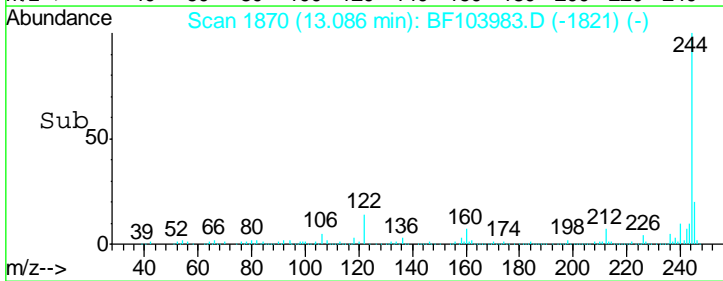
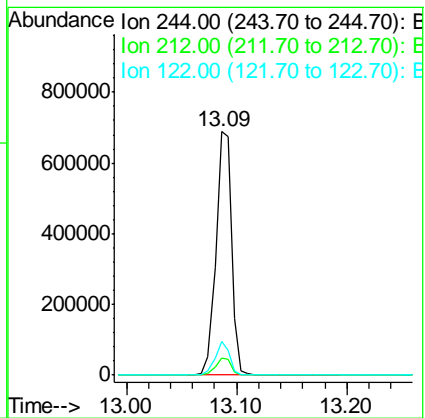
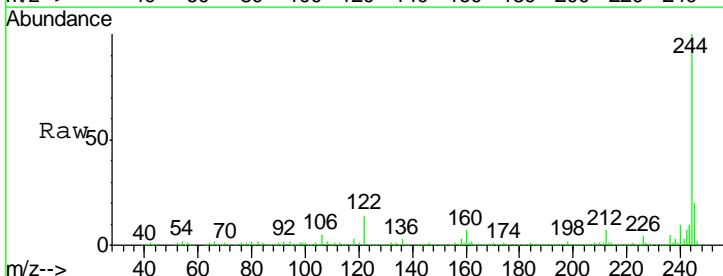
Instrument :  
 BNA\_F  
 ClientSampled :

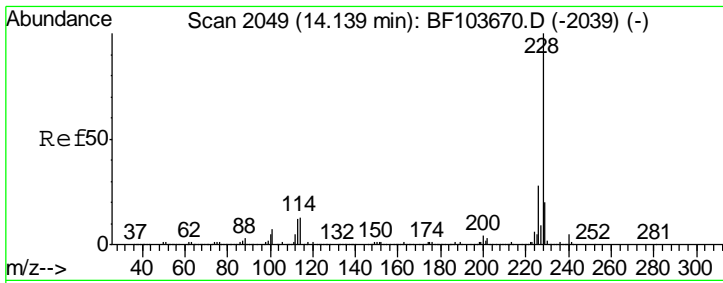
Tgt Ion	Resp	Lower	Upper
202	385597		
200	20.9	17.4	26.2
203	17.2	14.3	21.5



#78  
 Terphenyl-d14  
 Concen: 63.167 ng  
 RT: 13.09 min Scan# 1870  
 Delta R.T. -0.01 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

Tgt Ion	Resp	Lower	Upper
244	677626		
212	6.8	5.4	8.0
122	13.6	11.0	16.4

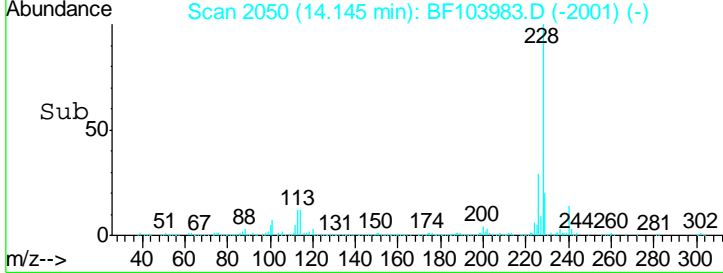
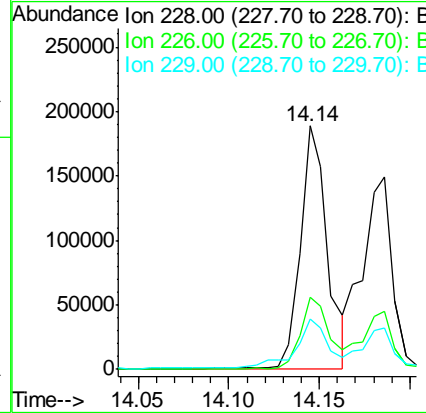
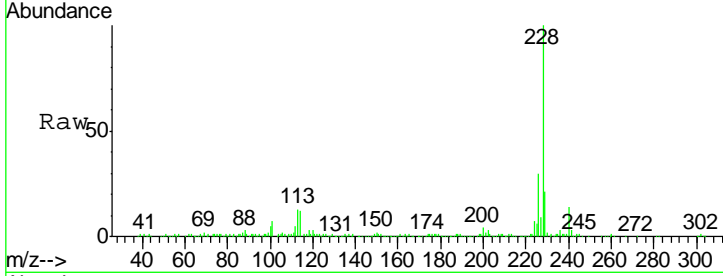




#80  
 Benzo(a)anthracene  
 Concen: 12.486 ng  
 RT: 14.14 min Scan# 2050  
 Delta R.T. -0.01 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

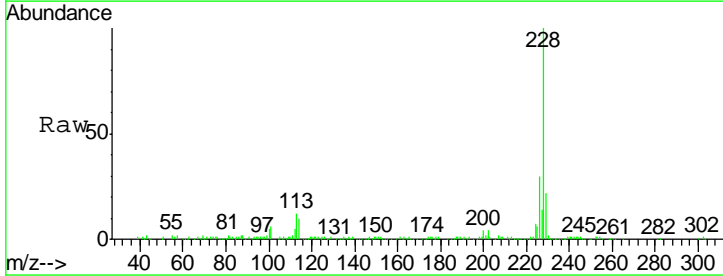
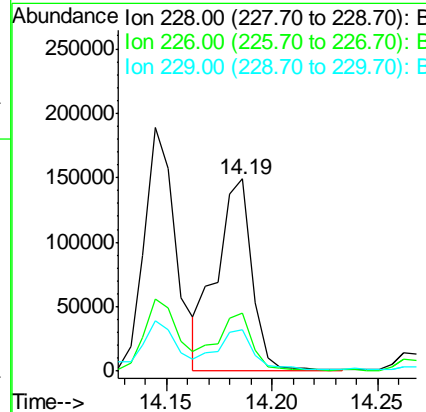
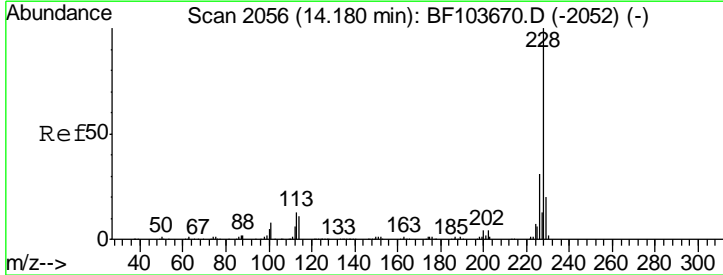
Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
228	196803		
226	29.6	22.6	33.8
229	20.6	15.8	23.6

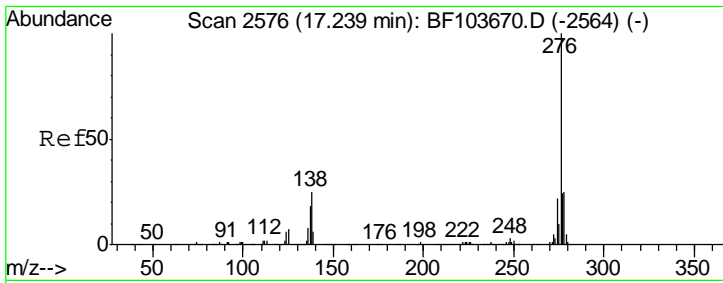


#82  
 Chrysene  
 Concen: 11.465 ng  
 RT: 14.19 min Scan# 2057  
 Delta R.T. -0.01 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

Tgt Ion	Resp	Lower	Upper
228	172267		
226	29.9	25.0	37.6
229	21.6	16.2	24.4



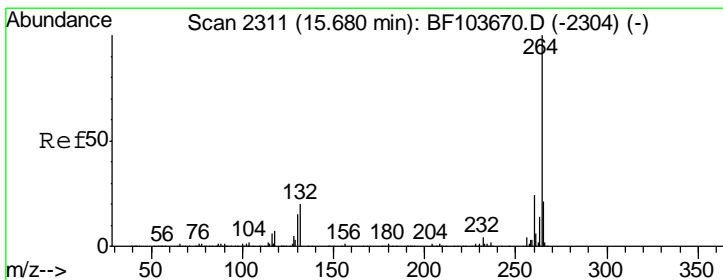
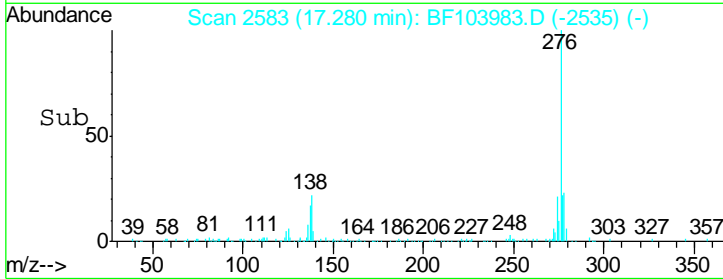
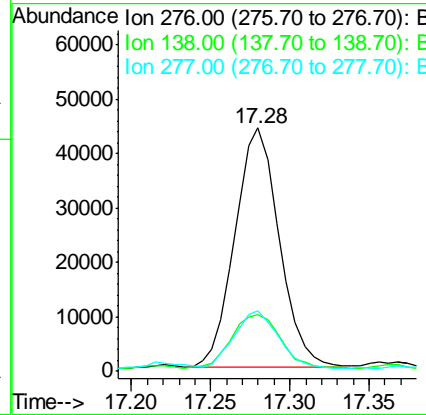
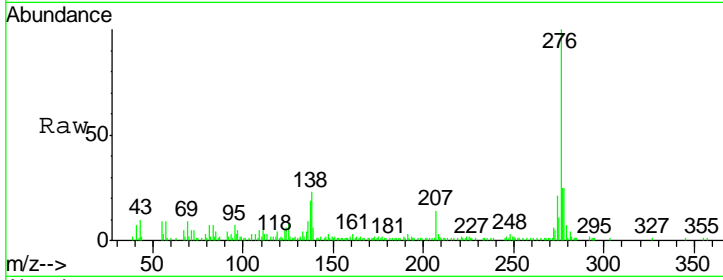




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 6.485 ng  
 RT: 17.28 min Scan# 2583  
 Delta R.T. -0.02 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

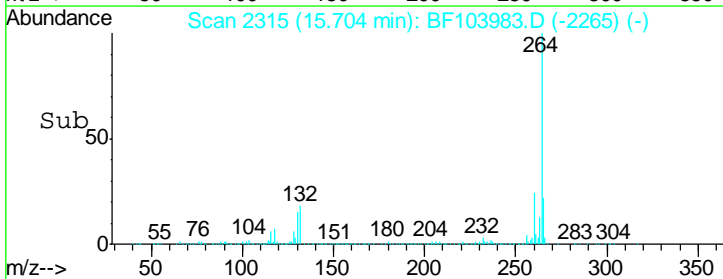
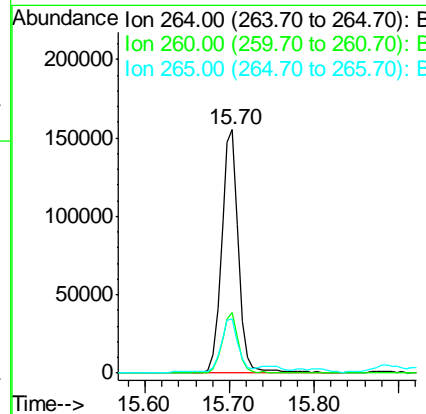
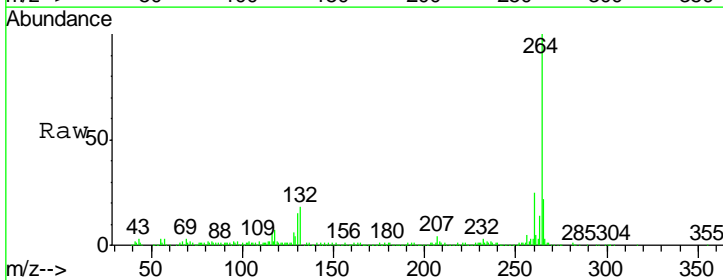
Instrument :  
 BNA\_F  
 ClientSampled :

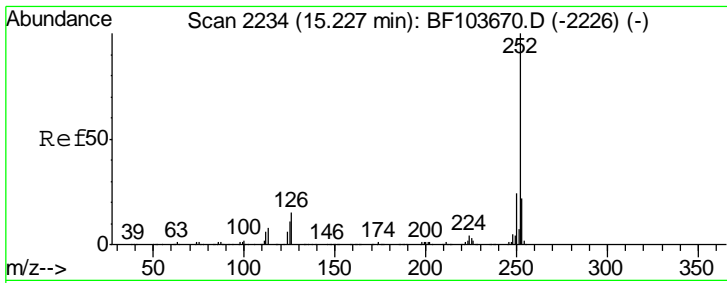
Tgt Ion	Resp	Lower	Upper
276	100		
138	25.0	25.0	37.6#
277	24.8	20.1	30.1



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.70 min Scan# 2315  
 Delta R.T. -0.01 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

Tgt Ion	Resp	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.4	17.5	26.3

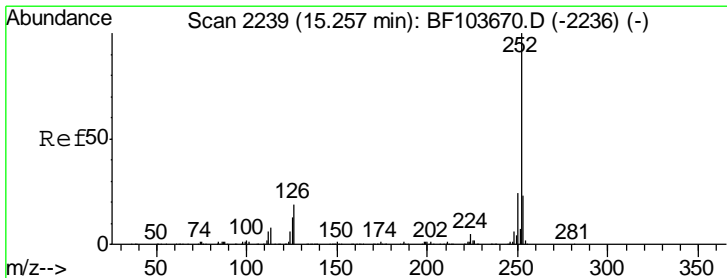
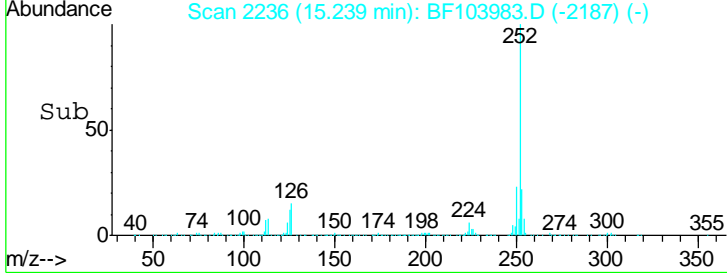
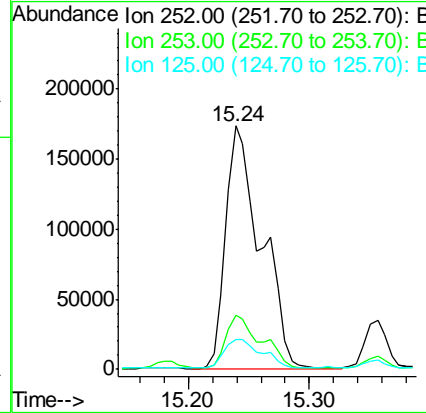
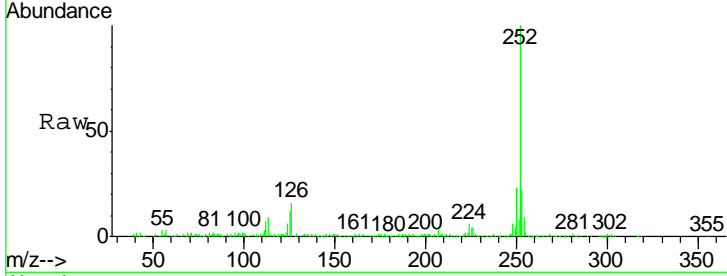




#87  
 Benzo(b)fluoranthene  
 Concen: 26.052 ng  
 RT: 15.24 min Scan# 2236  
 Delta R.T. -0.01 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

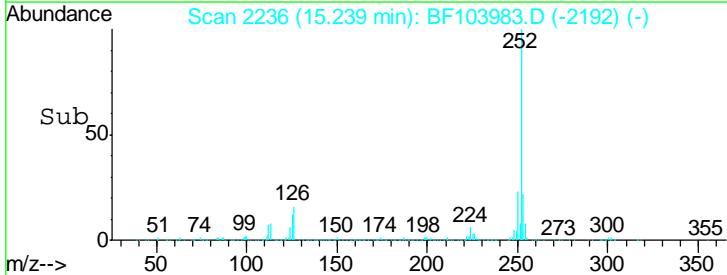
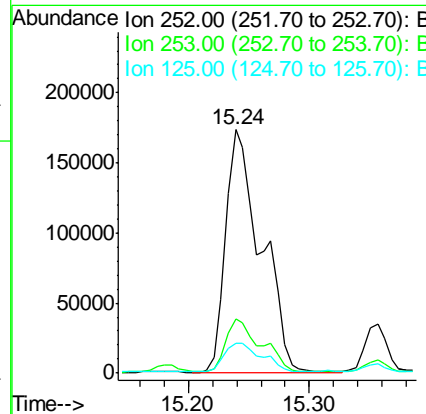
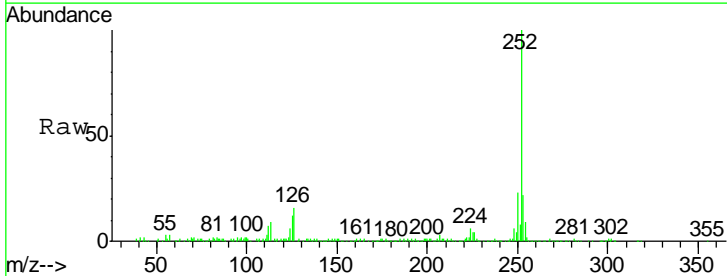
Instrument :  
 BNA\_F  
 ClientSampled :

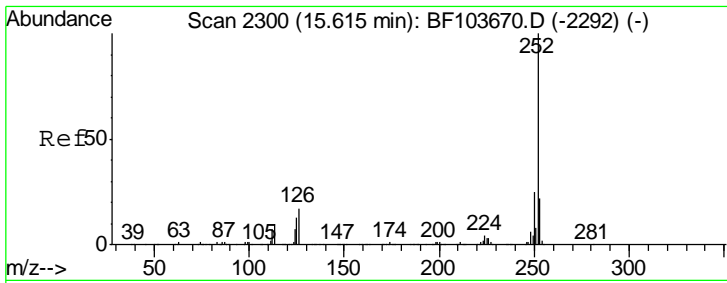
Tgt Ion	Resp	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	12.3	9.0	13.6



#88  
 Benzo(k)fluoranthene  
 Concen: 27.102 ng  
 RT: 15.24 min Scan# 2236  
 Delta R.T. -0.04 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

Tgt Ion	Resp	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	12.3	10.2	15.2

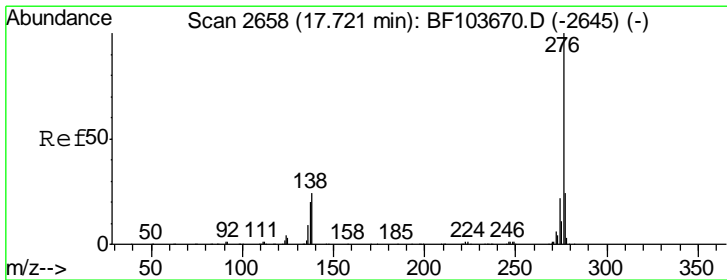
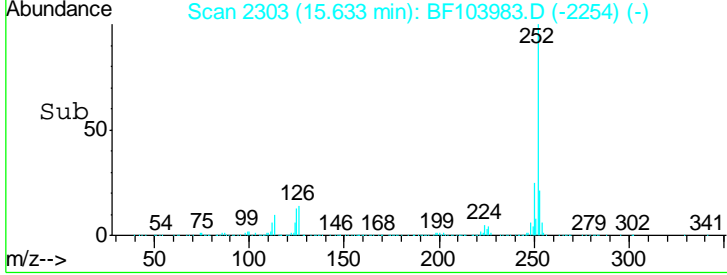
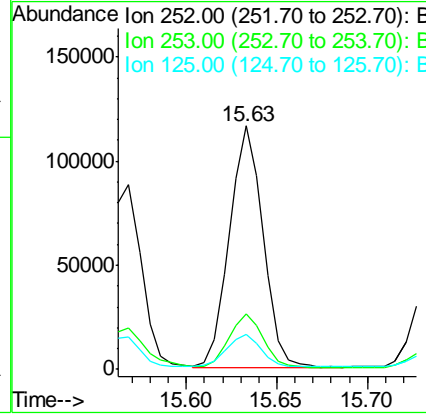
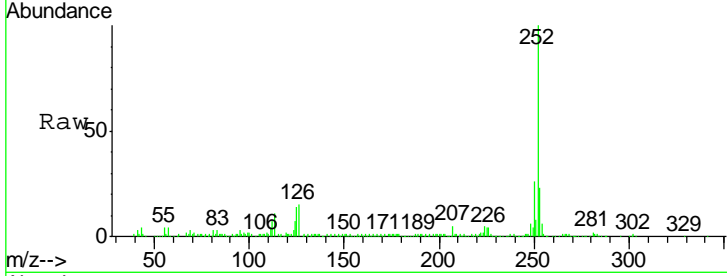




#89  
 Benzo(a)pyrene  
 Concen: 12.284 ng  
 RT: 15.63 min Scan# 2303  
 Delta R.T. -0.01 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
252	150748		
253	22.7	17.1	25.7
125	14.3	9.8	14.6



#91  
 Benzo(g,h,i)perylene  
 Concen: 6.763 ng  
 RT: 17.76 min Scan# 2665  
 Delta R.T. -0.02 min  
 Lab File: BF103983.D  
 Acq: 27 Mar 2018 21:14

Tgt Ion	Resp	Lower	Upper
276	69913		
277	24.6	17.9	26.9
138	22.7	21.8	32.8

