

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF040218\  
 Data File : BF104134.D  
 Acq On : 2 Apr 2018 14:48  
 Operator : JU/SJ  
 Sample : J1757-09 5X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 02 15:21:52 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 02 13:40:00 2018  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	99747	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	433077	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	203350	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	331111	20.00	ng	0.00
75) Chrysene-d12	14.14	240	233886	20.00	ng	0.00
86) Perylene-d12	15.69	264	258383	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	68087	10.89	ng	0.00
7) Phenol-d6	6.60	99	130755	16.99	ng	0.00
23) Nitrobenzene-d5	7.53	82	76087	10.74	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	35769	15.80	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	185813	14.41	ng	0.00
78) Terphenyl-d14	13.07	244	140390	13.86	ng	0.00

Target Compounds

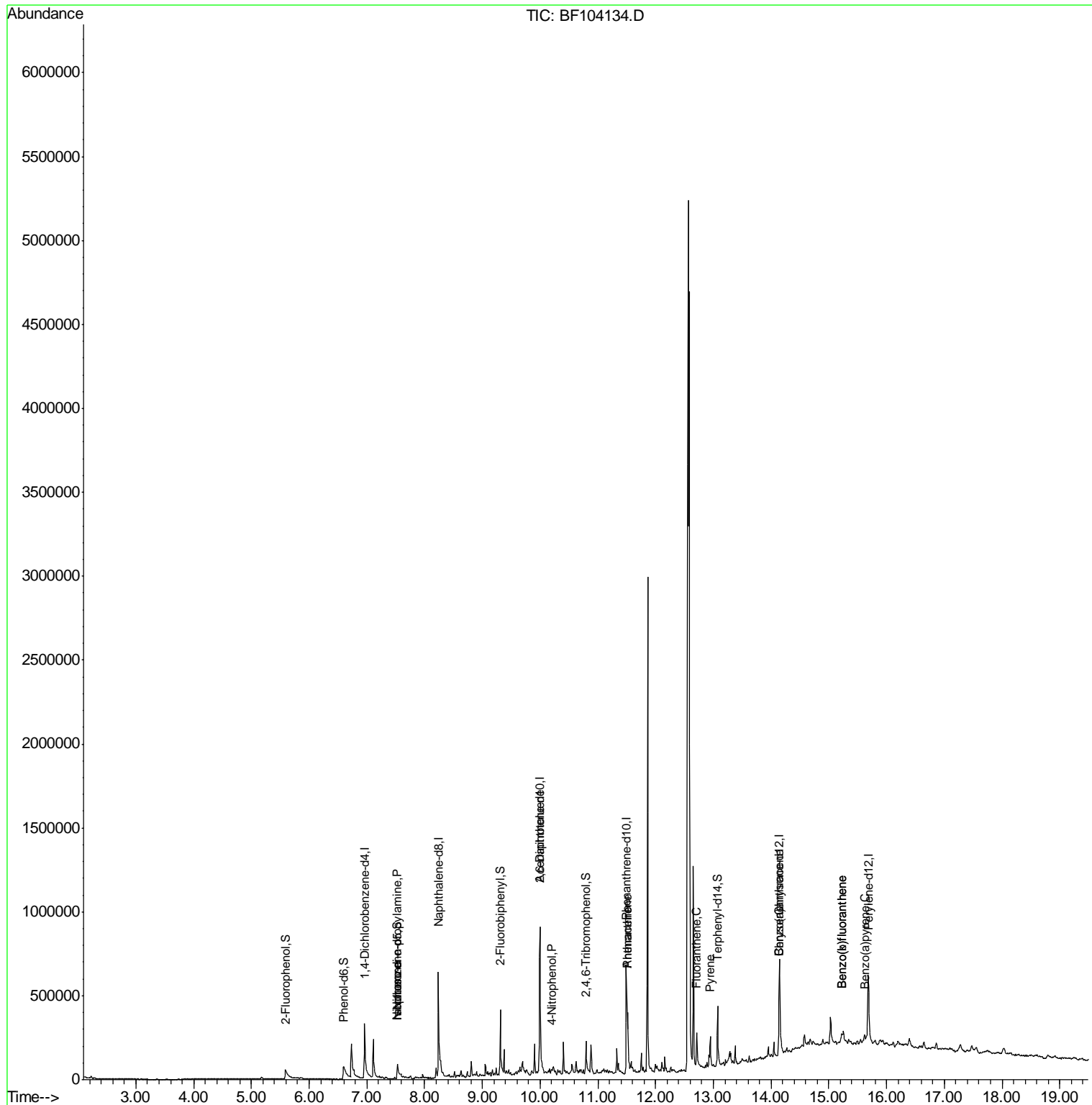
	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.73	77	1721	Below Cal		# 82
19) n-Nitroso-di-n-propylamine	7.53	70	10496	2.298	ng	# 86
25) Isophorone	7.53	82	76087	5.830	ng	# 64
50) 2,6-Dinitrotoluene	10.00	165	28225	8.171	ng	# 26
55) 4-Nitrophenol	10.20	139	6787	2.851	ng	# 26
70) Phenanthrene	11.52	178	141523	7.895	ng	98
71) Anthracene	11.52	178	141523	7.558	ng	99
74) Fluoranthene	12.72	202	102073	5.357	ng	96
77) Pyrene	12.94	202	89877	5.346	ng	99
80) Benzo(a)anthracene	14.13	228	37394	2.555	ng	95
82) Chrysene	14.13	228	37394	2.609	ng	92
87) Benzo(b)fluoranthene	15.23	252	47002	2.989	ng	# 79
88) Benzo(k)fluoranthene	15.23	252	47002	3.173	ng	# 82
89) Benzo(a)pyrene	15.62	252	29872	2.050	ng	# 85

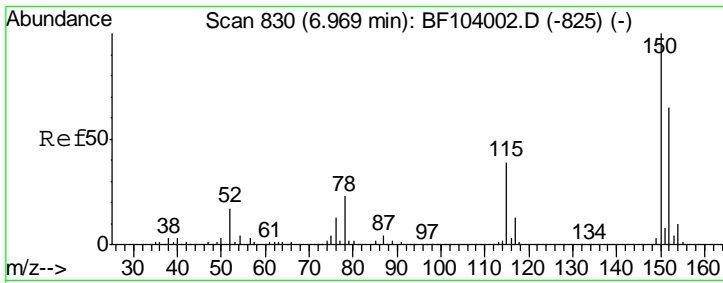
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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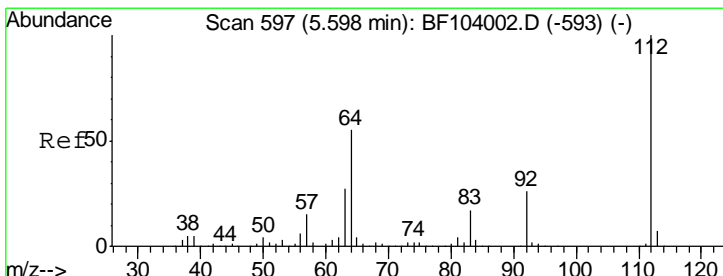
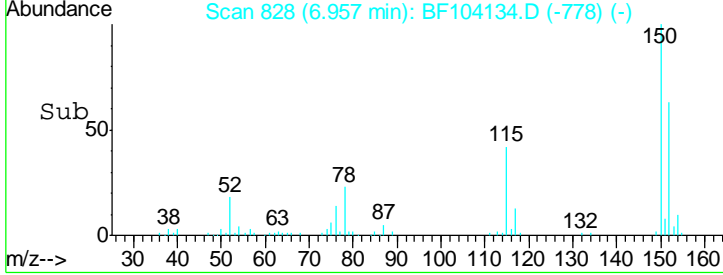
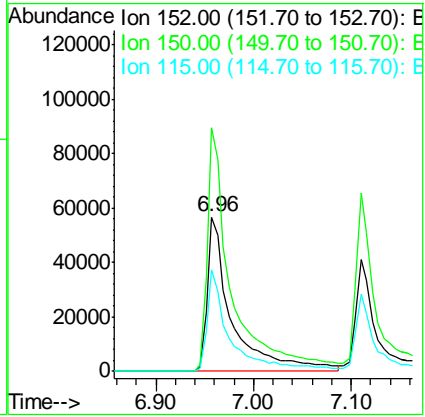
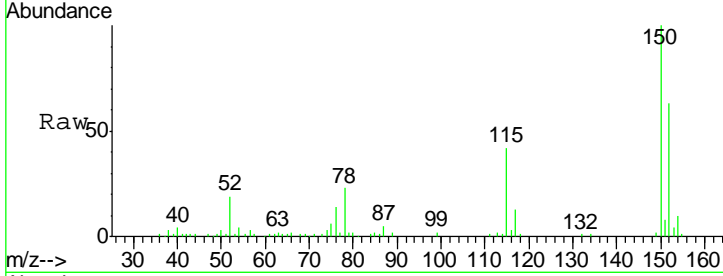




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.96 min Scan# 828  
 Delta R.T. -0.01 min  
 Lab File: BF104134.D  
 Acq: 2 Apr 2018 14:48

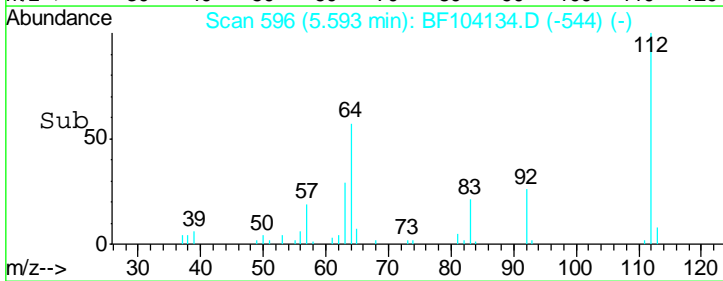
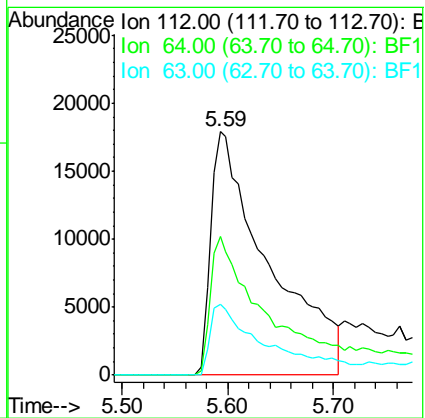
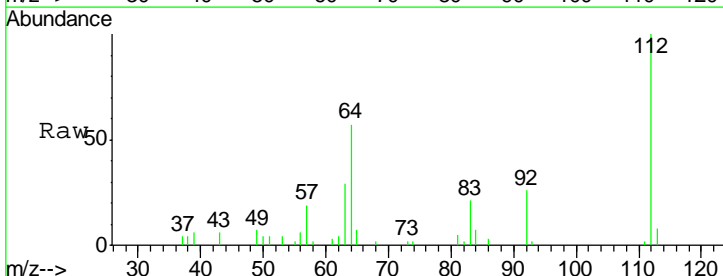
Instrument :  
 BNA\_F  
 ClientSampled :

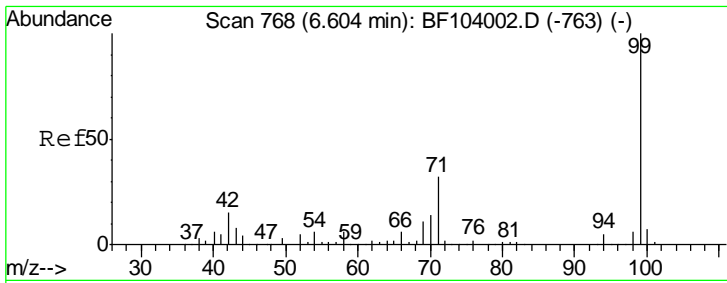
Tgt Ion	Resp	Lower	Upper
152	100		
150	157.9	124.6	186.8
115	65.7	50.1	75.1



#5  
 2-Fluorophenol  
 Concen: 10.886 ng  
 RT: 5.59 min Scan# 596  
 Delta R.T. 0.01 min  
 Lab File: BF104134.D  
 Acq: 2 Apr 2018 14:48

Tgt Ion	Resp	Lower	Upper
112	100		
64	56.9	47.9	71.9
63	28.9	23.7	35.5

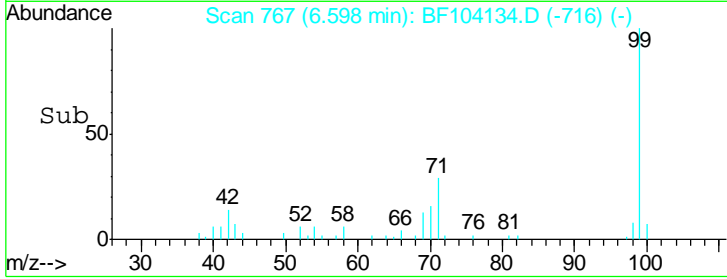
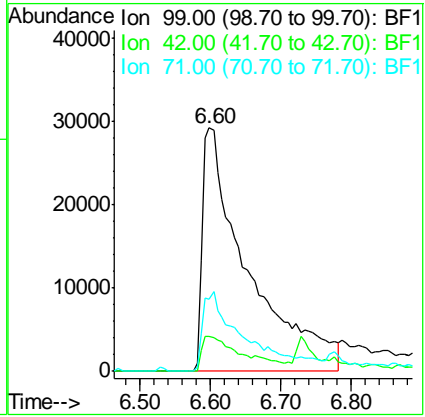
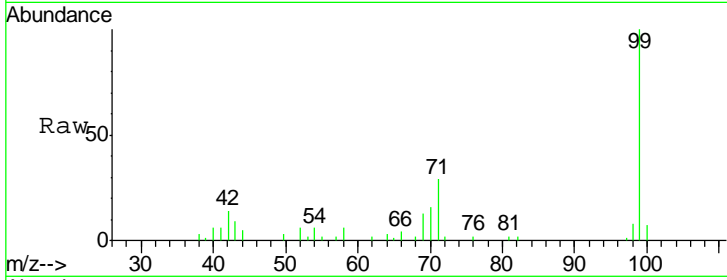




#7  
 Phenol-d6  
 Concen: 16.992 ng  
 RT: 6.60 min Scan# 767  
 Delta R.T. -0.00 min  
 Lab File: BF104134.D  
 Acq: 2 Apr 2018 14:48

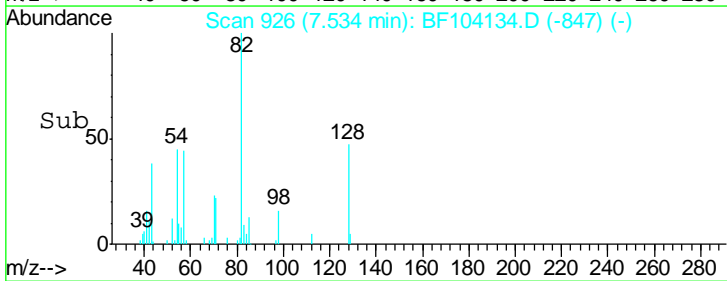
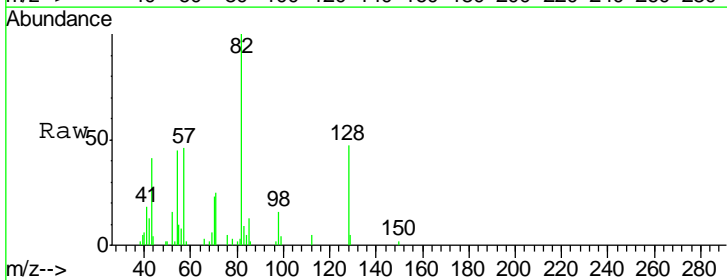
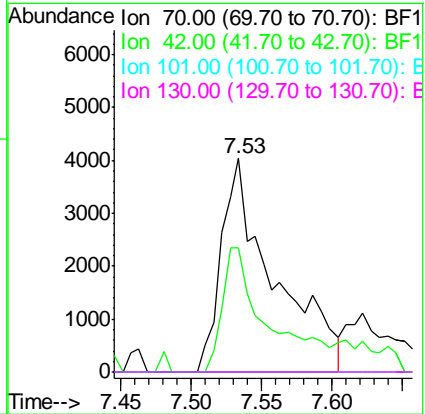
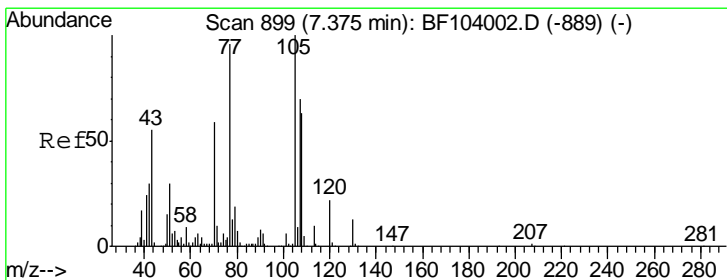
Instrument :  
 BNA\_F  
 ClientSampled :

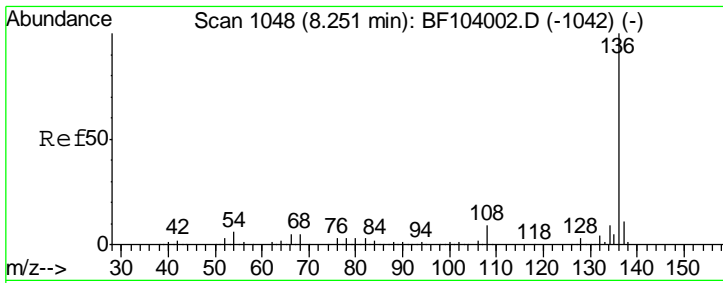
Tgt Ion	Resp	Lower	Upper
99	130755		
42	14.2	14.5	21.7#
71	29.4	25.4	38.0



#19  
 n-Nitroso-di-n-propylamine  
 Concen: 2.298 ng  
 RT: 7.53 min Scan# 926  
 Delta R.T. 0.16 min  
 Lab File: BF104134.D  
 Acq: 2 Apr 2018 14:48

Tgt Ion	Resp	Lower	Upper
70	10496		
42	58.0	47.5	71.3
101	0.0	7.4	11.2#
130	0.0	16.6	25.0#



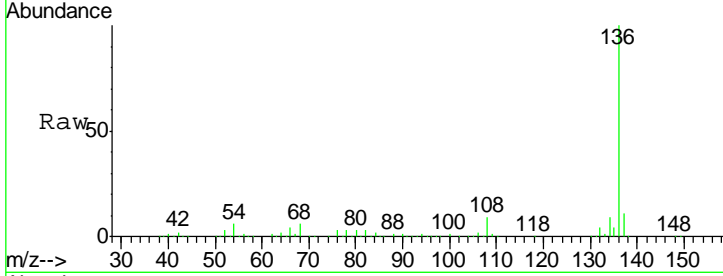


#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 8.24 min Scan# 1046  
 Delta R.T. -0.01 min  
 Lab File: BF104134.D  
 Acq: 2 Apr 2018 14:48

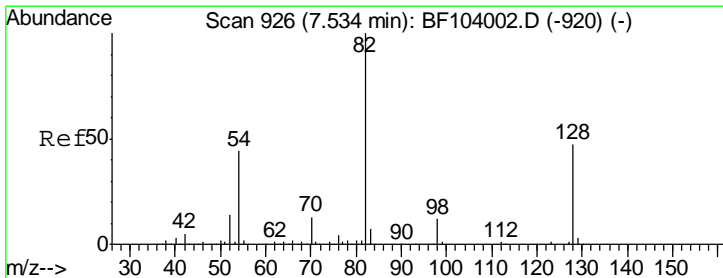
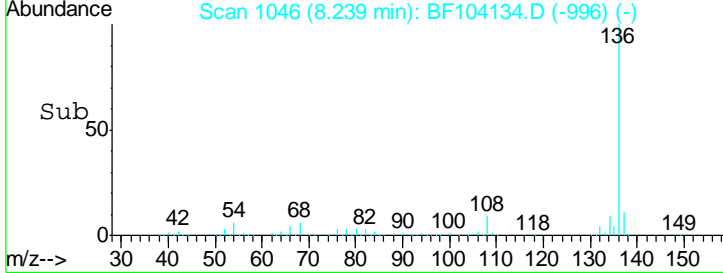
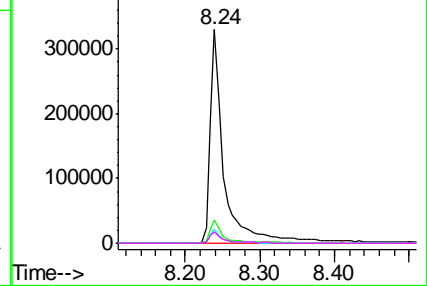
Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion: 136 Resp: 433077

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.4	6.6	9.8#
68	5.7	5.0	7.4



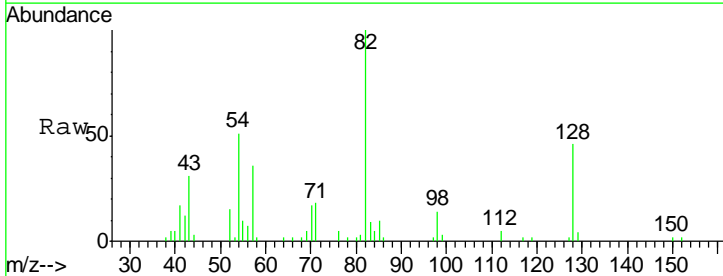
Abundance Ion 136.00 (135.70 to 136.70): E  
 Ion 137.00 (136.70 to 137.70): E  
 Ion 54.00 (53.70 to 54.70): BF1  
 Ion 68.00 (67.70 to 68.70): BF1



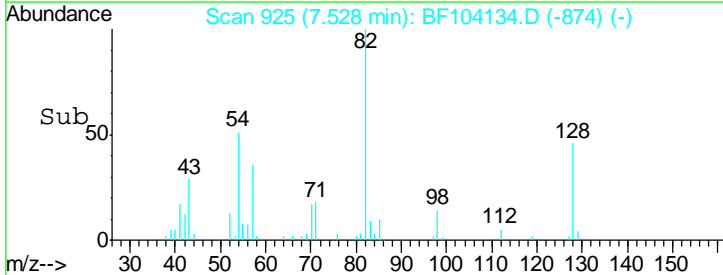
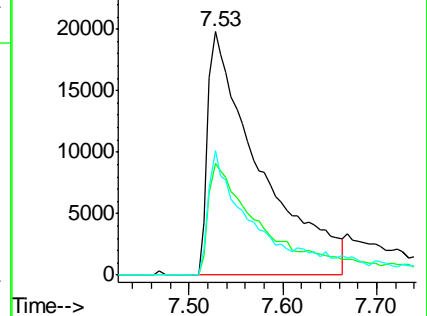
#23  
 Nitrobenzene-d5  
 Concen: 10.744 ng  
 RT: 7.53 min Scan# 925  
 Delta R.T. -0.00 min  
 Lab File: BF104134.D  
 Acq: 2 Apr 2018 14:48

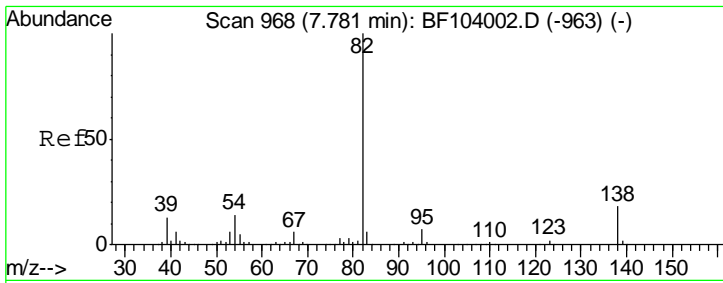
Tgt Ion: 82 Resp: 76087

Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.1	54.1
54	51.0	41.4	62.2



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

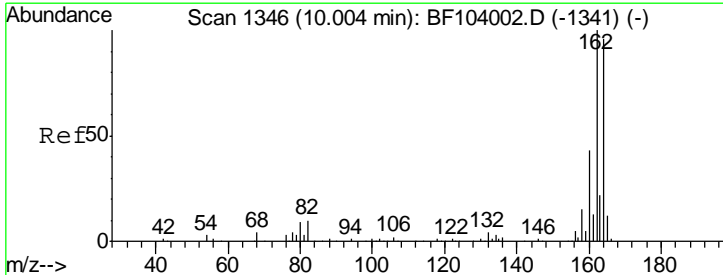
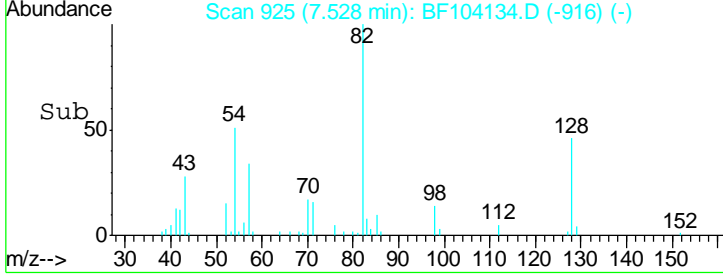
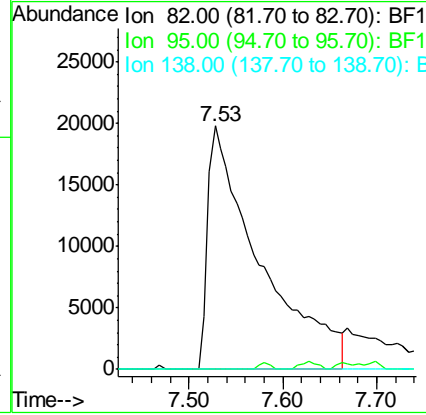
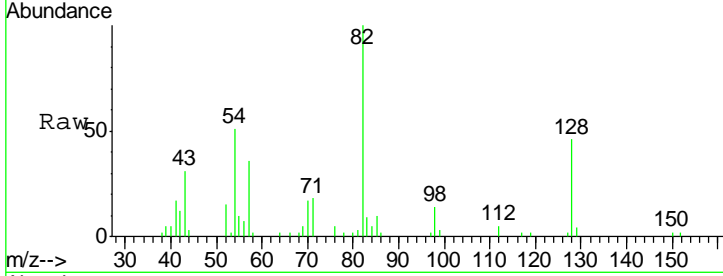




#25  
 Isophorone  
 Concen: 5.830 ng  
 RT: 7.53 min Scan# 925  
 Delta R.T. -0.25 min  
 Lab File: BF104134.D  
 Acq: 2 Apr 2018 14:48

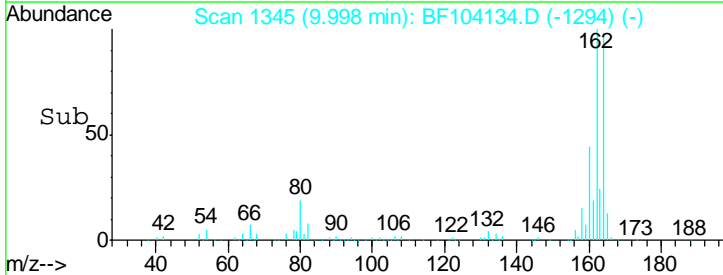
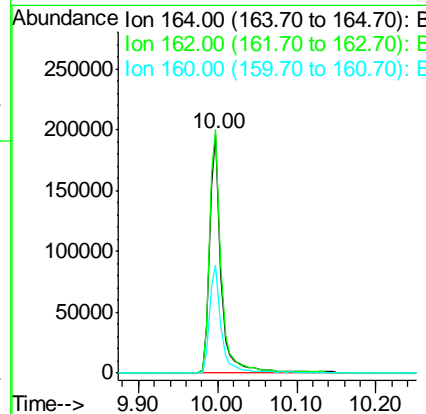
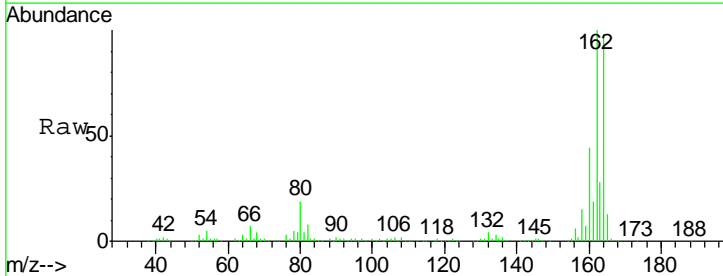
Instrument :  
 BNA\_F  
 ClientSampled :

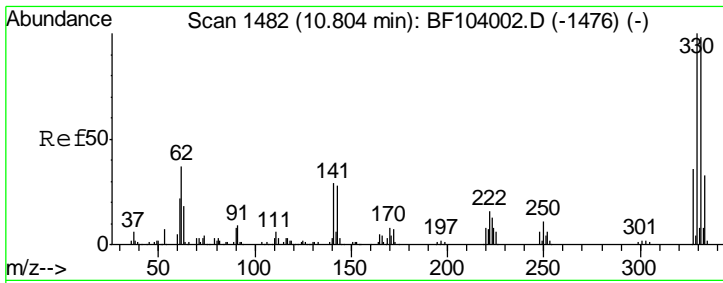
Tgt Ion	Resp	Lower	Upper
82	76087		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.00 min Scan# 1345  
 Delta R.T. -0.00 min  
 Lab File: BF104134.D  
 Acq: 2 Apr 2018 14:48

Tgt Ion	Resp	Lower	Upper
164	203350		
162	101.9	86.1	129.1
160	44.9	38.3	57.5

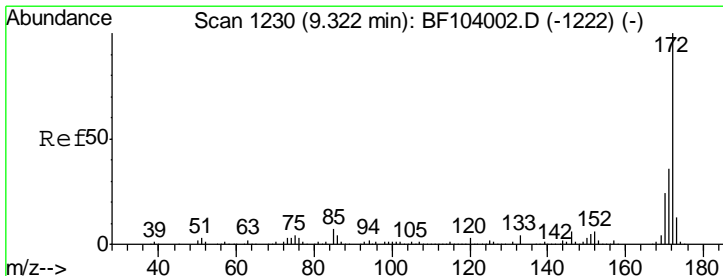
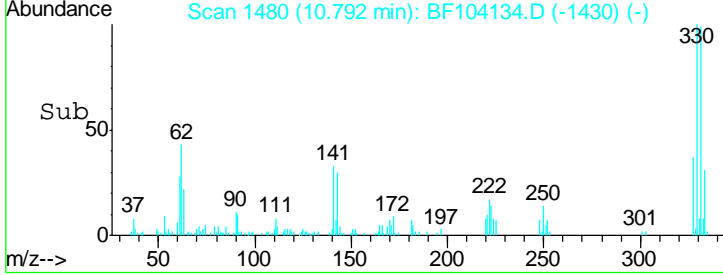
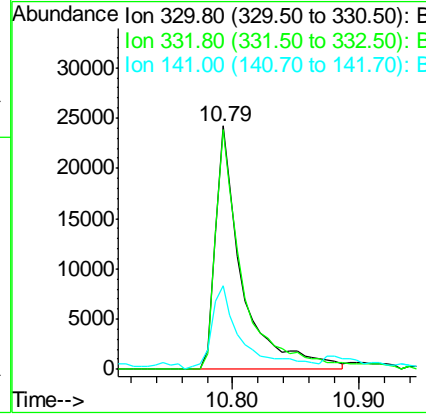
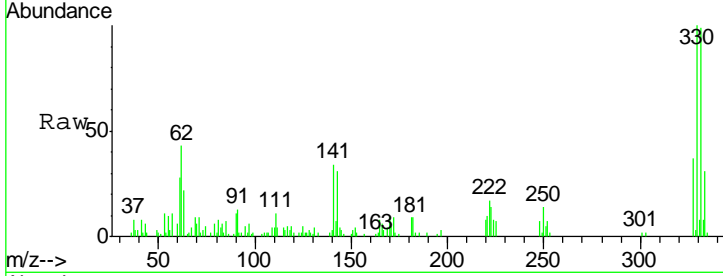




#41  
 2,4,6-Tribromophenol  
 Concen: 15.797 ng  
 RT: 10.79 min Scan# 1480  
 Delta R.T. -0.01 min  
 Lab File: BF104134.D  
 Acq: 2 Apr 2018 14:48

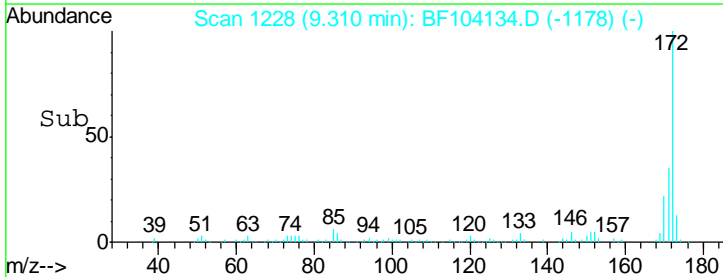
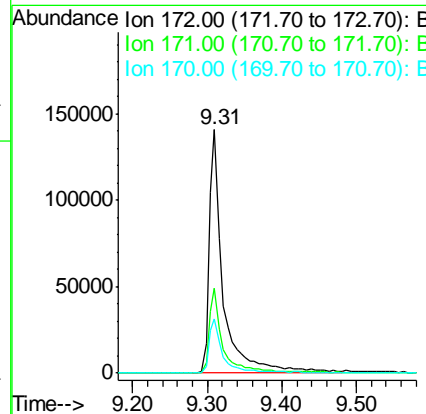
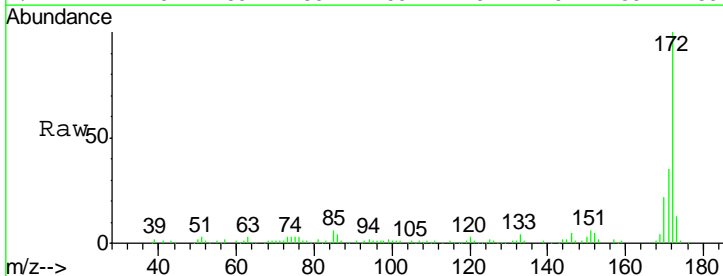
Instrument :  
 BNA\_F  
 ClientSampled :

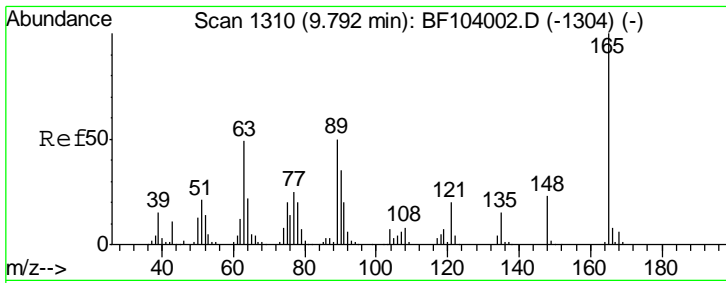
Tgt Ion	Resp	Lower	Upper
330	100		
332	100.6	77.0	115.6
141	39.4	29.9	44.9



#44  
 2-Fluorobiphenyl  
 Concen: 14.409 ng  
 RT: 9.31 min Scan# 1228  
 Delta R.T. -0.01 min  
 Lab File: BF104134.D  
 Acq: 2 Apr 2018 14:48

Tgt Ion	Resp	Lower	Upper
172	100		
171	34.7	29.7	44.5
170	22.0	19.6	29.4

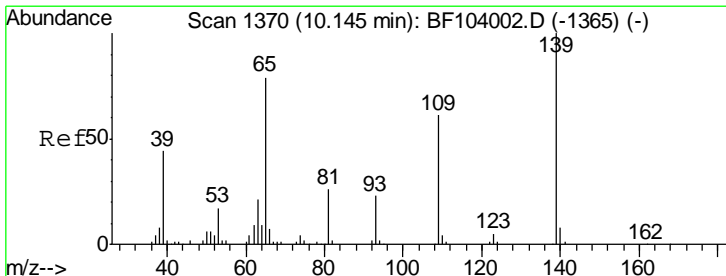
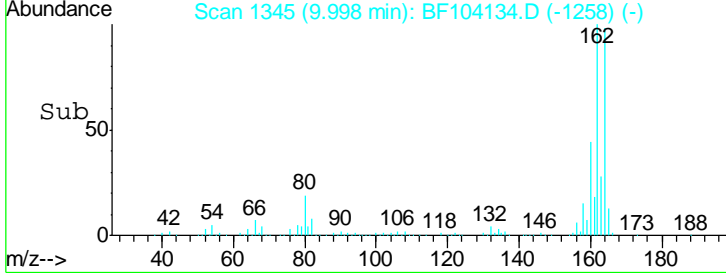
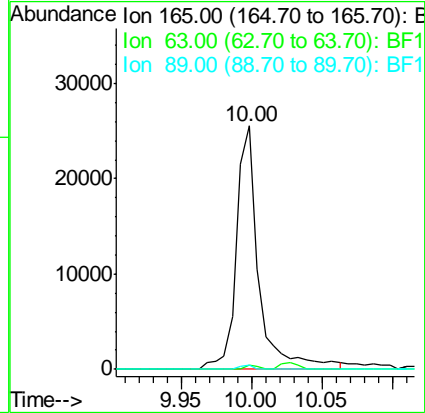
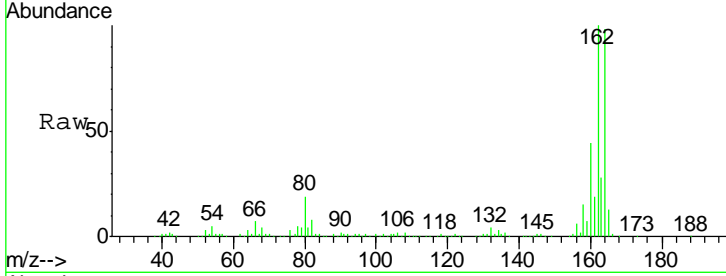




#50  
 2,6-Dinitrotoluene  
 Concen: 8.171 ng  
 RT: 10.00 min Scan# 1345  
 Delta R.T. 0.21 min  
 Lab File: BF104134.D  
 Acq: 2 Apr 2018 14:48

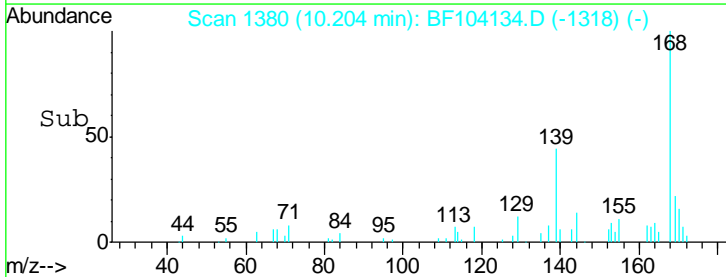
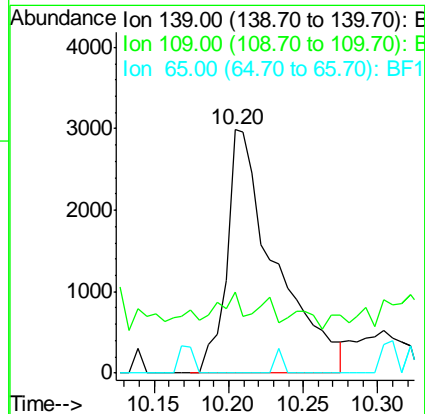
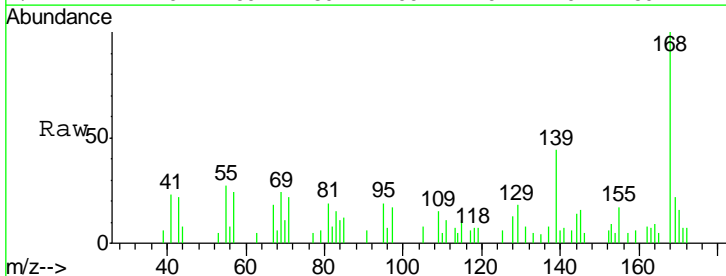
Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.6	44.0	66.0#

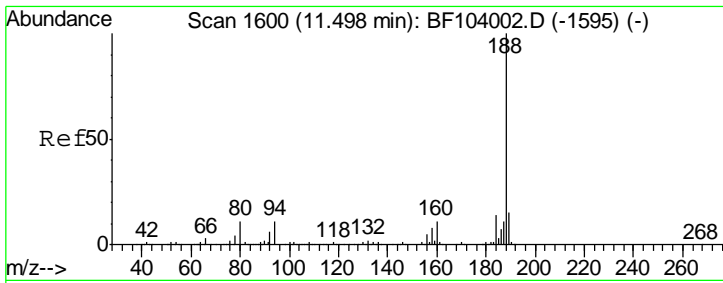


#55  
 4-Nitrophenol  
 Concen: 2.851 ng  
 RT: 10.20 min Scan# 1380  
 Delta R.T. 0.06 min  
 Lab File: BF104134.D  
 Acq: 2 Apr 2018 14:48

Tgt Ion	Resp	Lower	Upper
139	100		
109	33.3	48.4	88.4#
65	0.0	72.6	112.6#



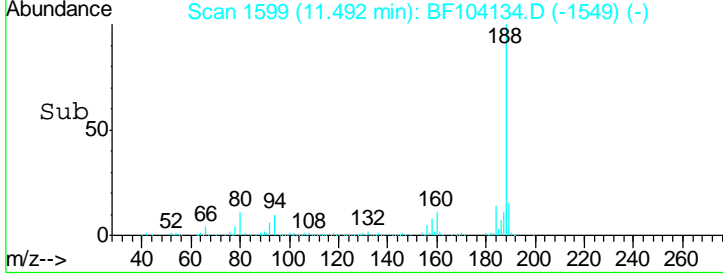
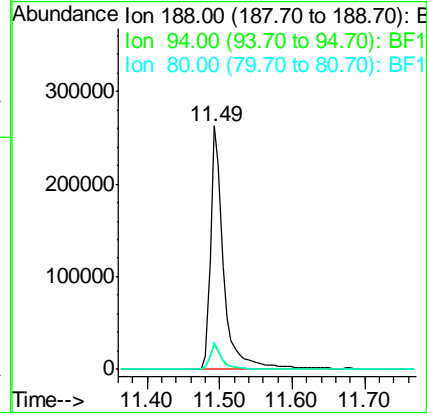
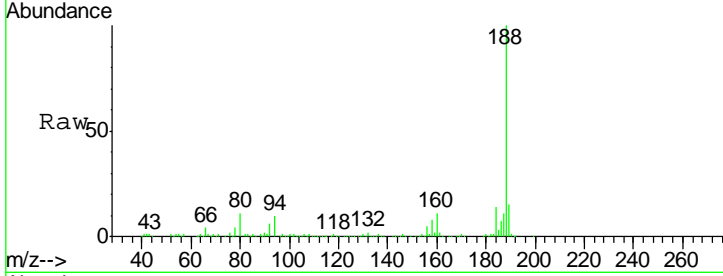




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.49 min Scan# 1599  
 Delta R.T. -0.01 min  
 Lab File: BF104134.D  
 Acq: 2 Apr 2018 14:48

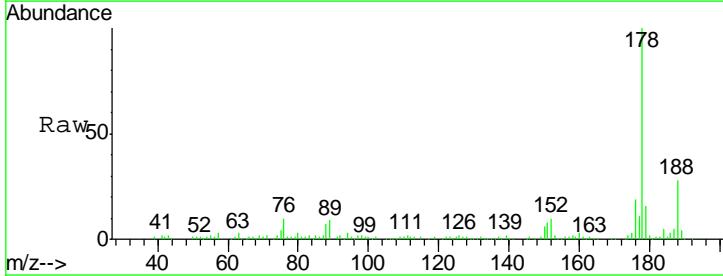
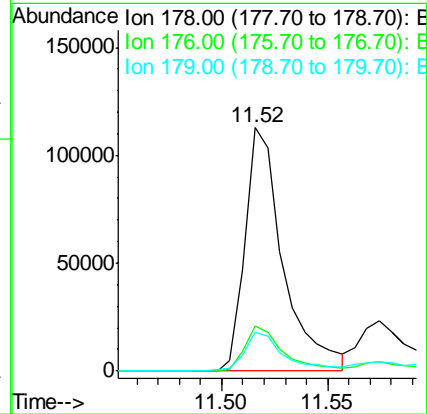
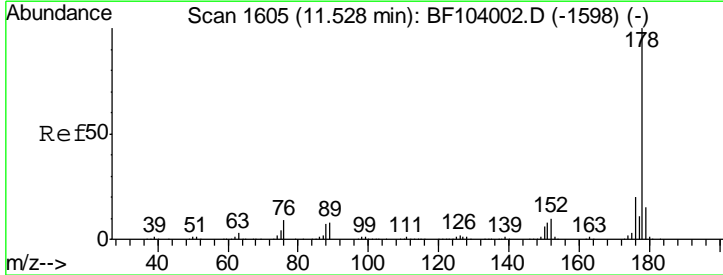
Instrument :  
 BNA\_F  
 ClientSampled :

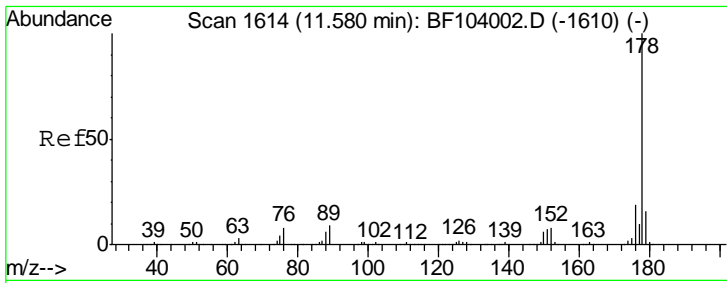
Tgt Ion	Resp	Lower	Upper
188	331111		
94	10.1	8.5	12.7
80	11.0	9.2	13.8



#70  
 Phenanthrene  
 Concen: 7.895 ng  
 RT: 11.52 min Scan# 1603  
 Delta R.T. -0.01 min  
 Lab File: BF104134.D  
 Acq: 2 Apr 2018 14:48

Tgt Ion	Resp	Lower	Upper
178	141523		
176	18.5	15.8	23.8
179	15.9	13.0	19.6

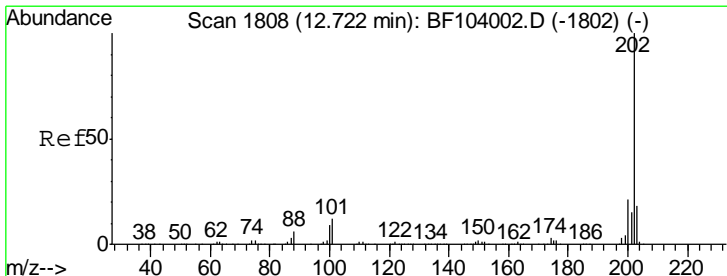
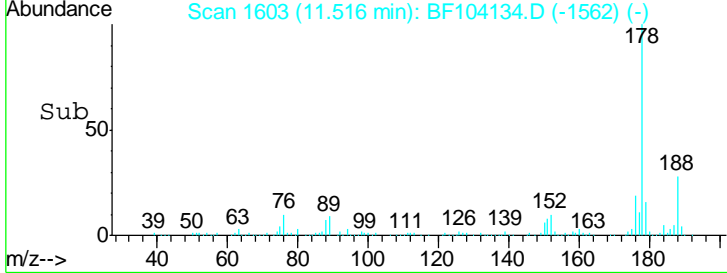
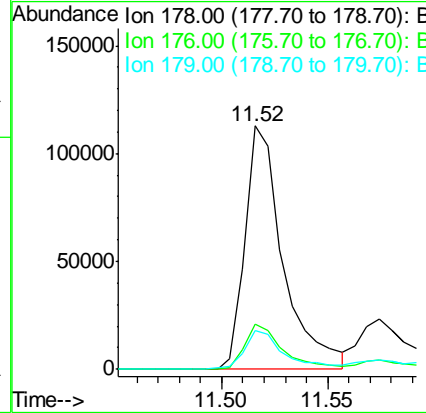
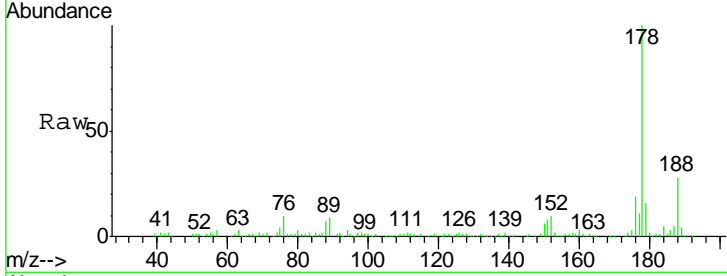




#71  
 Anthracene  
 Concen: 7.558 ng  
 RT: 11.52 min Scan# 1603  
 Delta R.T. -0.06 min  
 Lab File: BF104134.D  
 Acq: 2 Apr 2018 14:48

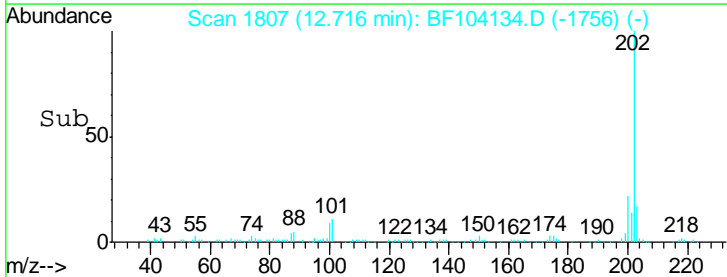
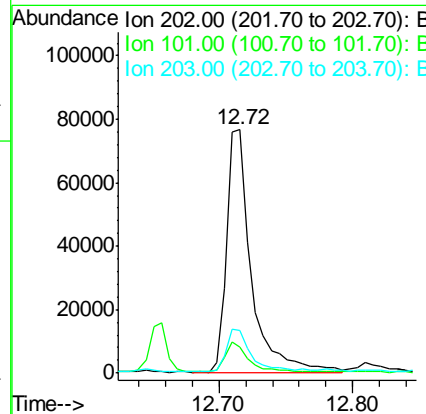
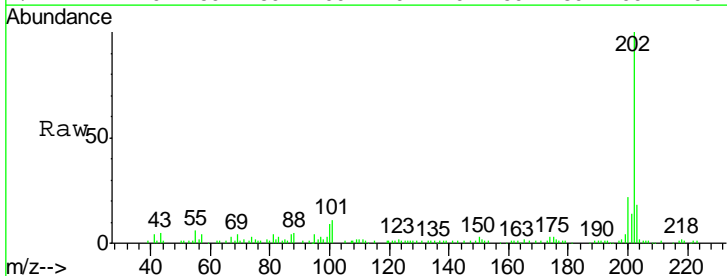
Instrument :  
 BNA\_F  
 ClientSampled :

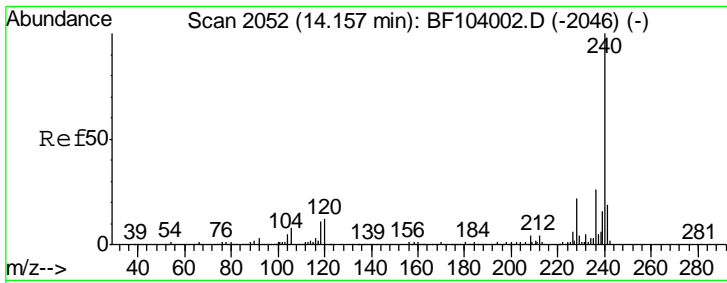
Tgt Ion	Resp	Lower	Upper
178	141523		
176	18.5	15.4	23.2
179	15.9	12.6	19.0



#74  
 Fluoranthene  
 Concen: 5.357 ng  
 RT: 12.72 min Scan# 1807  
 Delta R.T. -0.00 min  
 Lab File: BF104134.D  
 Acq: 2 Apr 2018 14:48

Tgt Ion	Resp	Lower	Upper
202	102073		
101	10.8	0.0	34.1
203	17.5	0.0	38.1

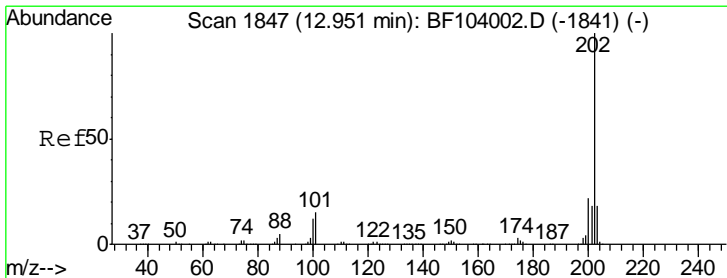
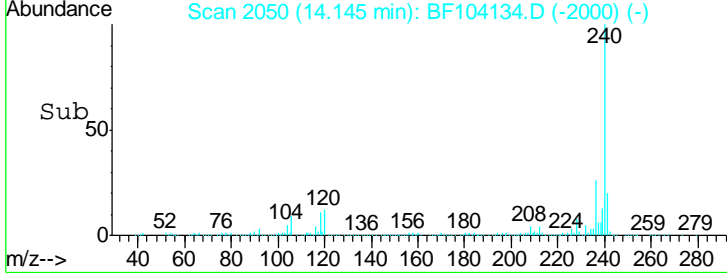
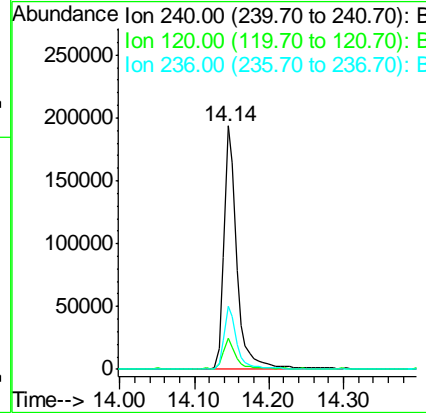
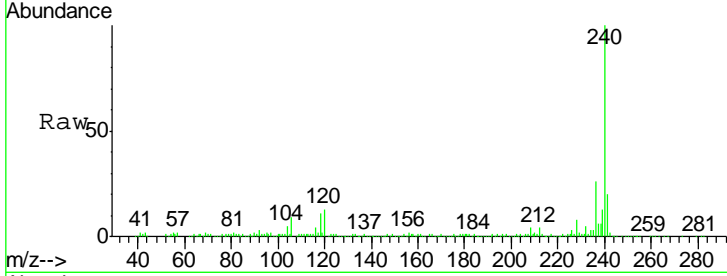




#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.14 min Scan# 2050  
 Delta R.T. -0.01 min  
 Lab File: BF104134.D  
 Acq: 2 Apr 2018 14:48

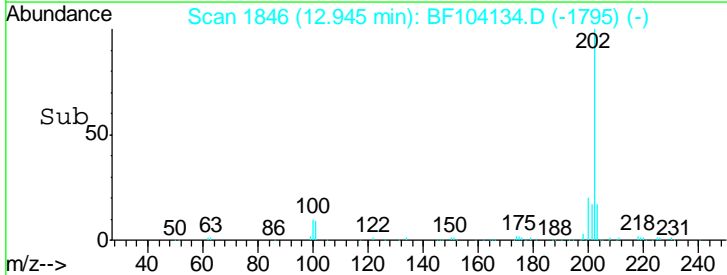
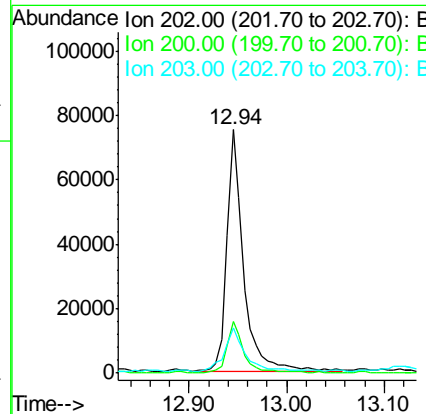
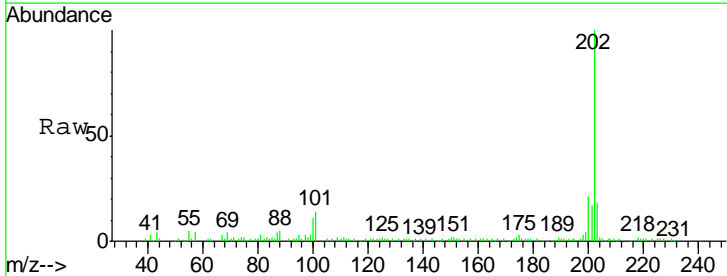
Instrument :  
 BNA\_F  
 ClientSampled :

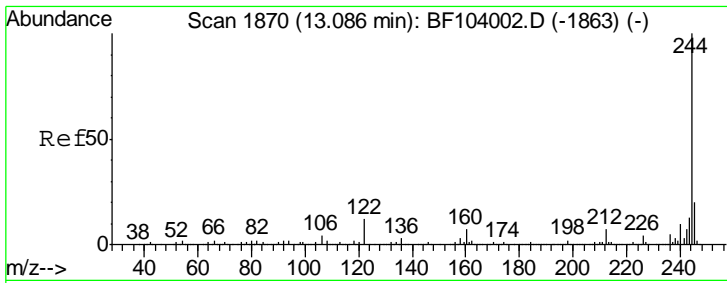
Tgt Ion	Resp	Lower	Upper
240	233886		
120	12.8	9.5	14.3
236	25.8	20.7	31.1



#77  
 Pyrene  
 Concen: 5.346 ng  
 RT: 12.94 min Scan# 1846  
 Delta R.T. -0.00 min  
 Lab File: BF104134.D  
 Acq: 2 Apr 2018 14:48

Tgt Ion	Resp	Lower	Upper
202	89877		
200	21.3	17.4	26.2
203	18.4	14.3	21.5

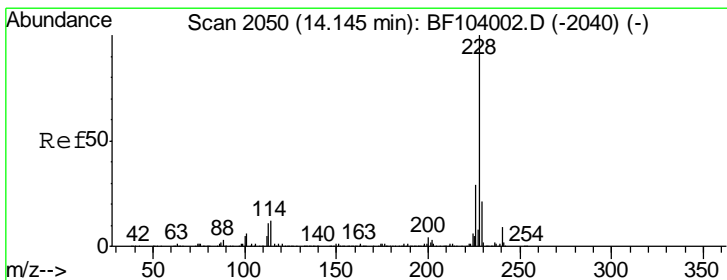
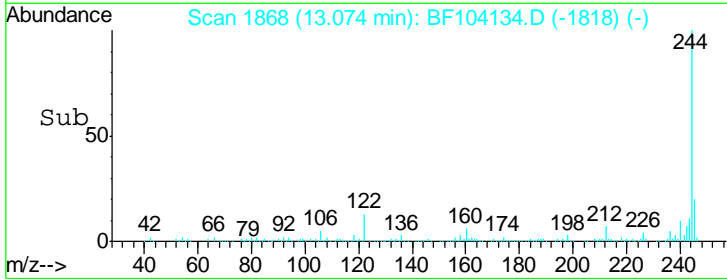
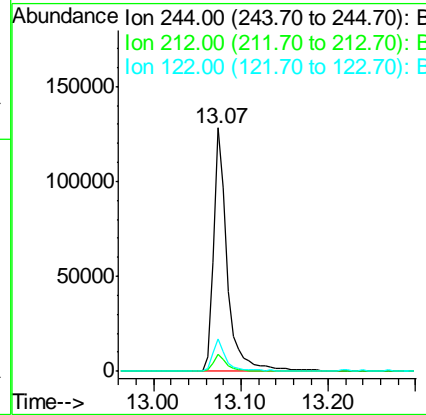
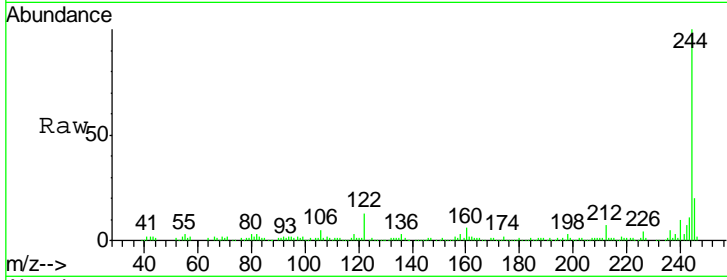




#78  
 Terphenyl-d14  
 Concen: 13.859 ng  
 RT: 13.07 min Scan# 1868  
 Delta R.T. -0.01 min  
 Lab File: BF104134.D  
 Acq: 2 Apr 2018 14:48

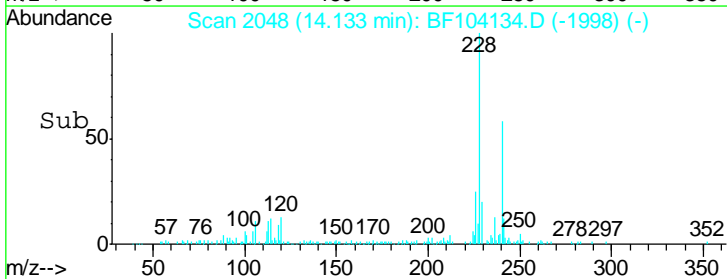
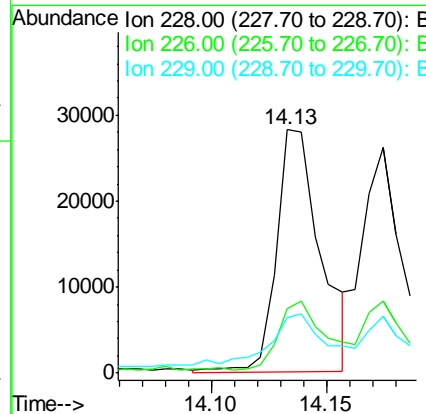
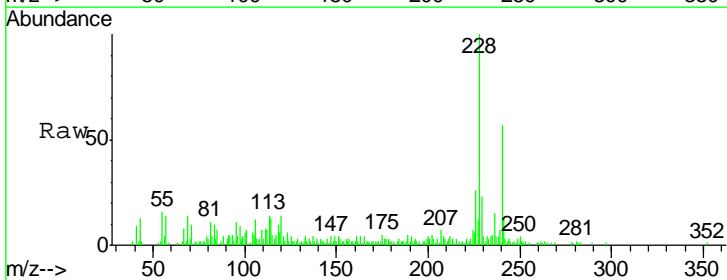
Instrument :  
 BNA\_F  
 ClientSampled :

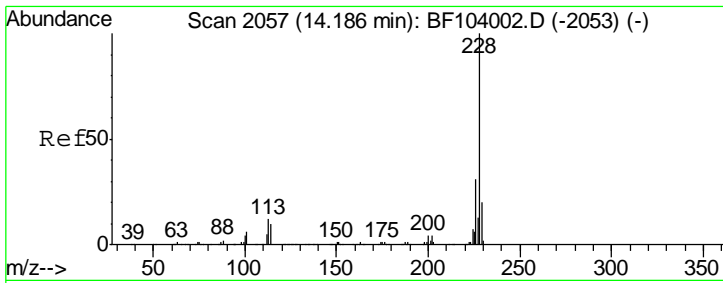
Tgt Ion	Resp	Lower	Upper
244	140390		
212	6.9	5.4	8.0
122	13.4	11.0	16.4



#80  
 Benzo(a)anthracene  
 Concen: 2.555 ng  
 RT: 14.13 min Scan# 2048  
 Delta R.T. -0.01 min  
 Lab File: BF104134.D  
 Acq: 2 Apr 2018 14:48

Tgt Ion	Resp	Lower	Upper
228	37394		
226	26.3	22.6	33.8
229	22.9	15.8	23.6



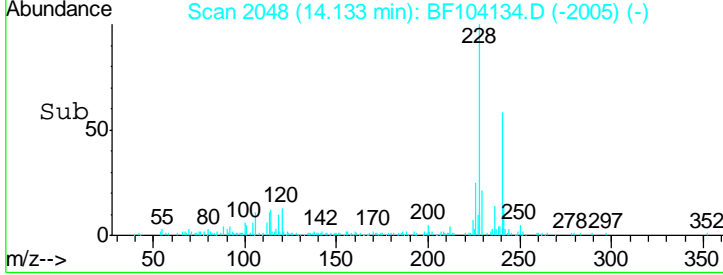
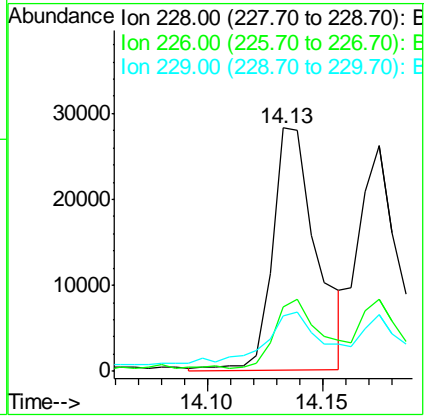
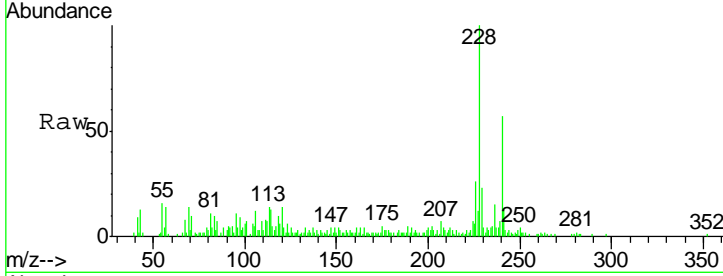


#82  
 Chrysene  
 Concen: 2.609 ng  
 RT: 14.13 min Scan# 2048  
 Delta R.T. -0.05 min  
 Lab File: BF104134.D  
 Acq: 2 Apr 2018 14:48

Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion: 228 Resp: 37394

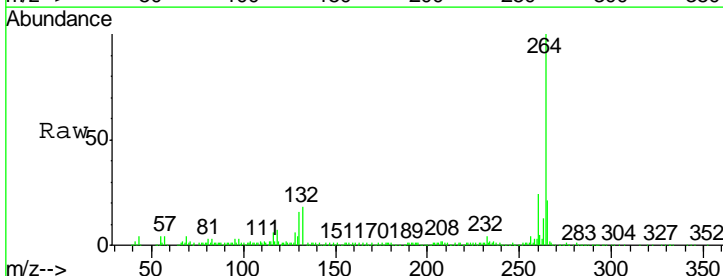
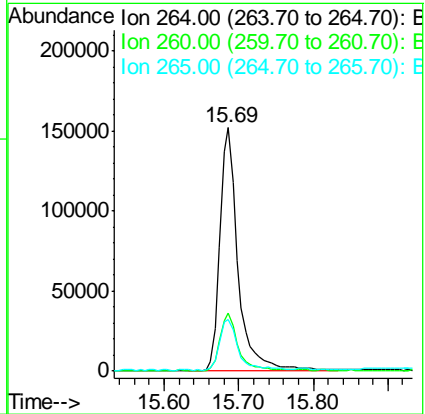
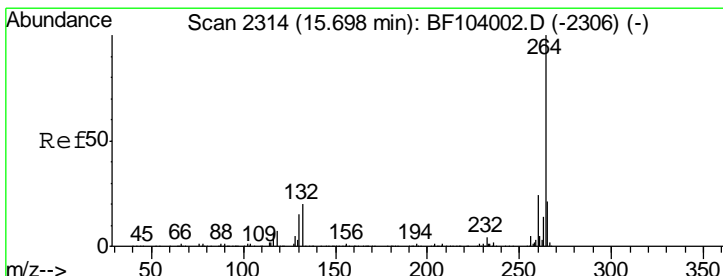
Ion	Ratio	Lower	Upper
228	100		
226	26.3	25.0	37.6
229	22.9	16.2	24.4

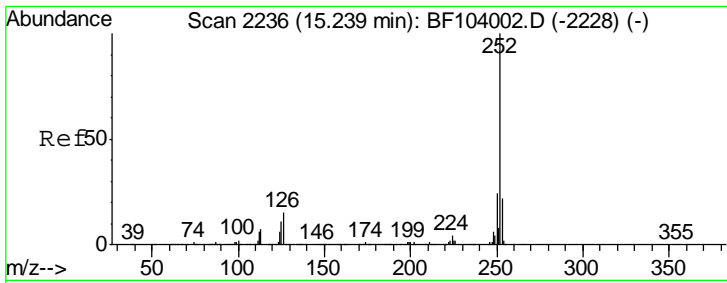


#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.69 min Scan# 2312  
 Delta R.T. -0.01 min  
 Lab File: BF104134.D  
 Acq: 2 Apr 2018 14:48

Tgt Ion: 264 Resp: 258383

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.3	17.5	26.3

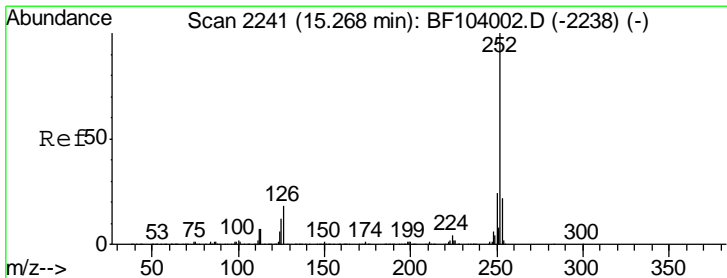
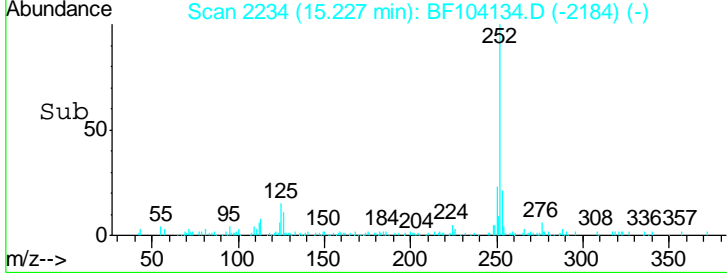
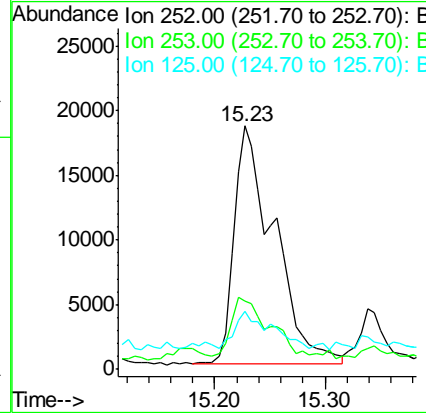
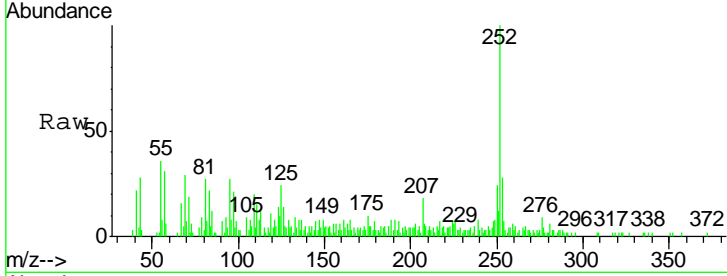




#87  
 Benzo(b)fluoranthene  
 Concen: 2.989 ng  
 RT: 15.23 min Scan# 2234  
 Delta R.T. -0.01 min  
 Lab File: BF104134.D  
 Acq: 2 Apr 2018 14:48

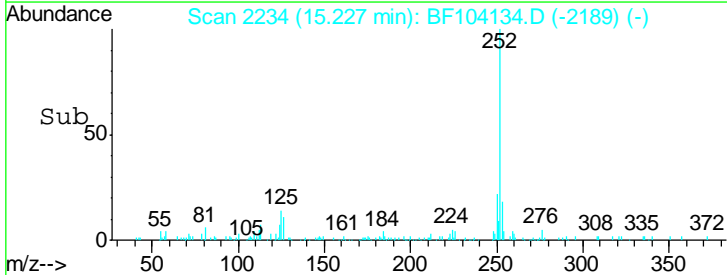
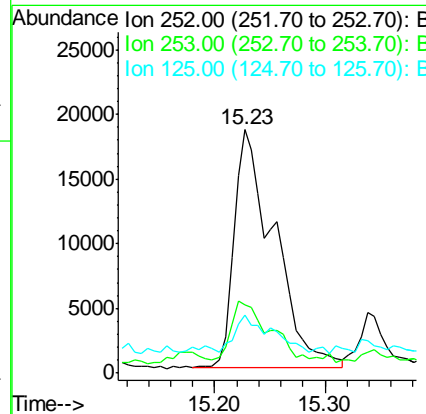
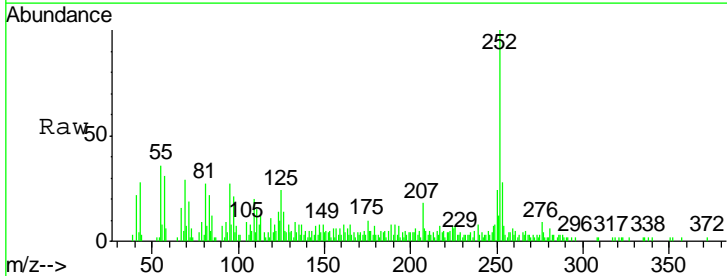
Instrument :  
 BNA\_F  
 ClientSampled :

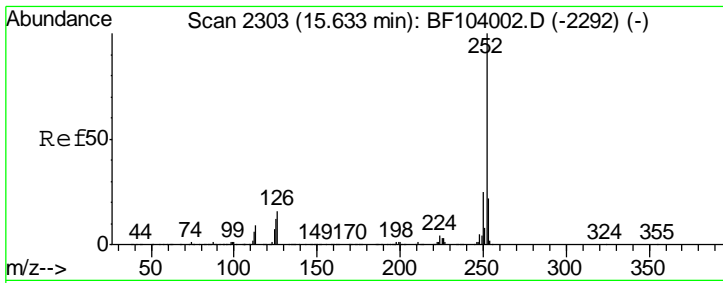
Tgt Ion	Resp	Lower	Upper
252	100		
253	28.2	17.0	25.6#
125	23.6	9.0	13.6#



#88  
 Benzo(k)fluoranthene  
 Concen: 3.173 ng  
 RT: 15.23 min Scan# 2234  
 Delta R.T. -0.04 min  
 Lab File: BF104134.D  
 Acq: 2 Apr 2018 14:48

Tgt Ion	Resp	Lower	Upper
252	100		
253	28.2	17.9	26.9#
125	23.6	10.2	15.2#





#89  
 Benzo(a)pyrene  
 Concen: 2.050 ng  
 RT: 15.62 min Scan# 2301  
 Delta R.T. -0.01 min  
 Lab File: BF104134.D  
 Acq: 2 Apr 2018 14:48

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion	252	Resp	29872
Ion Ratio	Lower	Upper	
252	100		
253	25.8	17.1	25.7#
125	21.7	9.8	14.6#

