

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\  
 Data File : BF100826.D  
 Acq On : 22 Nov 2017 15:06  
 Operator : SJ/JU  
 Sample : I6305-13 5X  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 22 17:28:23 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 17 15:22:08 2017  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	82037	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	307519	20.00	ng	-0.01
38) Acenaphthene-d10	9.91	164	125222	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	188647	20.00	ng	0.00
75) Chrysene-d12	14.04	240	172409	20.00	ng	0.00
86) Perylene-d12	15.52	264	153654	20.00	ng	0.00

## System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	88112	17.22	ng	-0.01
7) Phenol-d6	6.49	99	106377	16.86	ng	-0.02
23) Nitrobenzene-d5	7.43	82	58541	12.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	19654	15.40	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	107629	13.09	ng	-0.01
78) Terphenyl-d14	12.97	244	75484	10.06	ng	-0.01

## Target Compounds

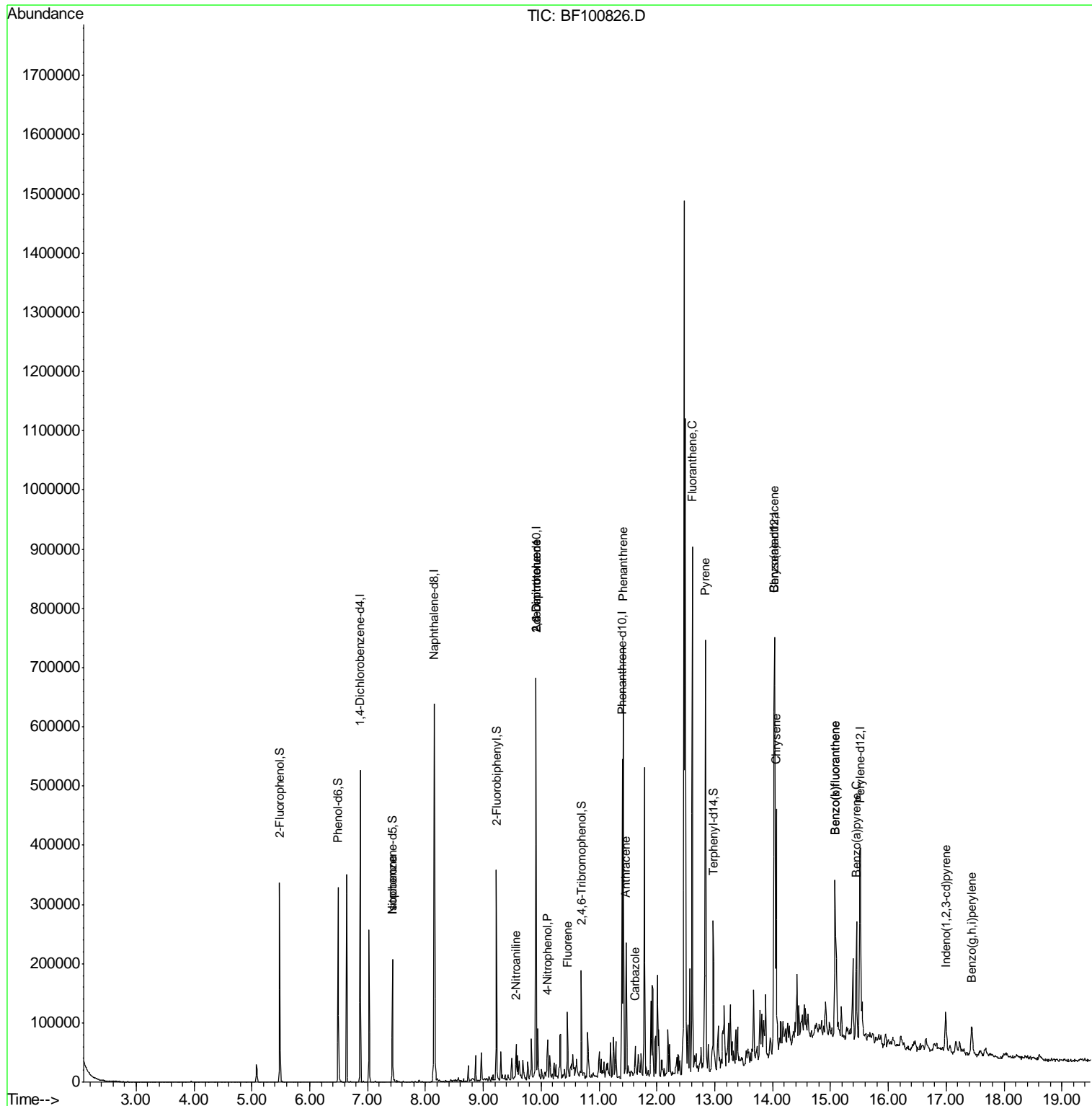
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.43	82	58540	5.989	ng	# 64
47) 2-Nitroaniline	9.56	65	281	2.898	ng	# 2
50) 2,6-Dinitrotoluene	9.91	165	16982	8.973	ng	# 25
55) 4-Nitrophenol	10.11	139	6631	3.654	ng	# 11
56) 2,4-Dinitrotoluene	9.91	165	16982	7.113	ng	# 23
57) Fluorene	10.46	166	29572	3.637	ng	98
70) Phenanthrene	11.42	178	252746	25.446	ng	97
71) Anthracene	11.47	178	91845	9.114	ng	97
72) Carbazole	11.63	167	18645	2.005	ng	97
74) Fluoranthene	12.61	202	349830	33.233	ng	96
77) Pyrene	12.84	202	301824	24.559	ng	98
80) Benzo(a)anthracene	14.03	228	182952	17.621	ng	98
82) Chrysene	14.06	228	143429	14.266	ng	97
85) Indeno(1,2,3-cd)pyrene	16.99	276	41475	5.100	ng	94
87) Benzo(b)fluoranthene	15.08	252	195067	21.428	ng	98
88) Benzo(k)fluoranthene	15.08	252	195067	22.679	ng	99
89) Benzo(a)pyrene	15.45	252	98422	12.196	ng	98
91) Benzo(a,h,i)perylene	17.44	276	36472	5.645	ng	95

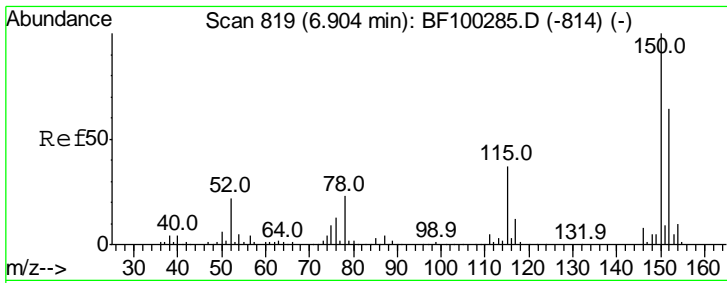
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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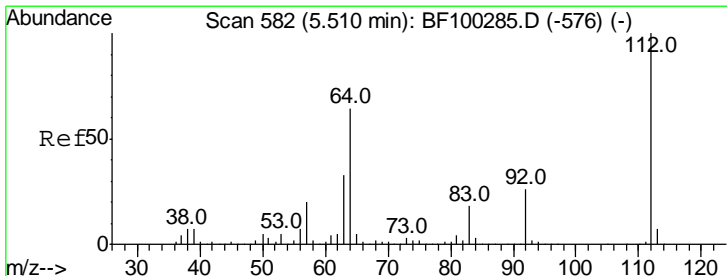
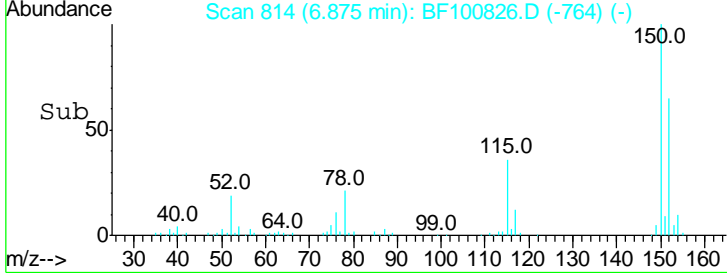
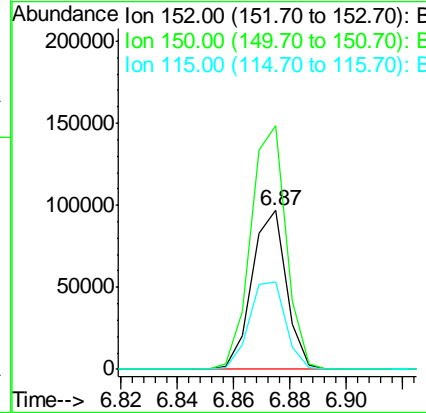
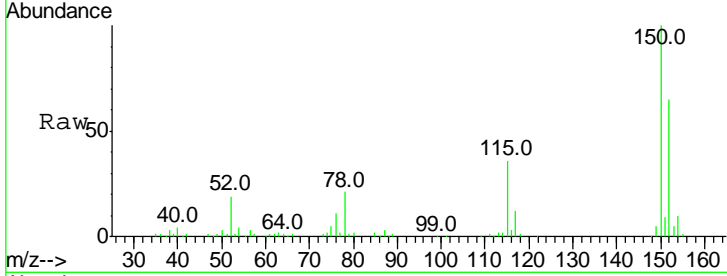




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.87 min Scan# 814  
 Delta R.T. -0.01 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

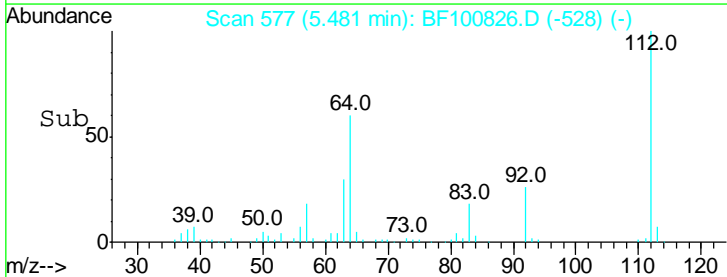
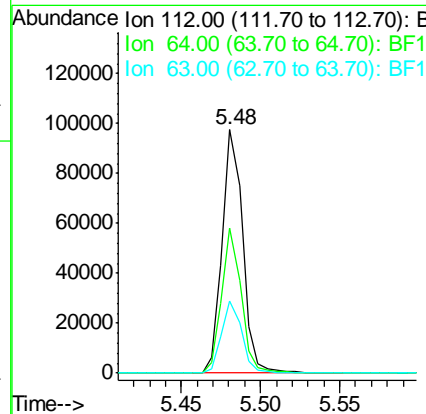
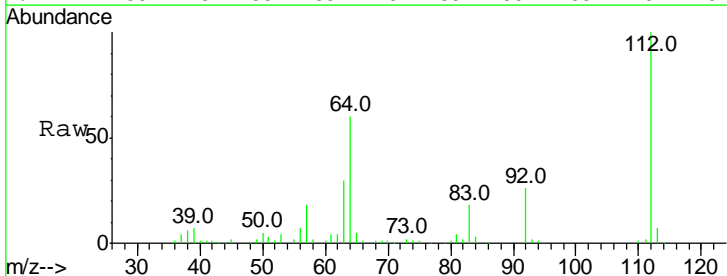
Instrument :  
 BNA\_F  
 ClientSampled :

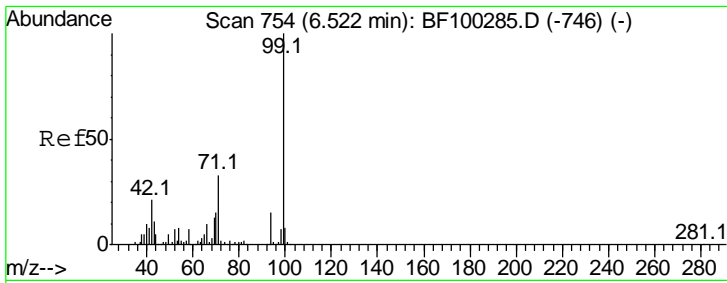
Tgt Ion	Resp	Lower	Upper
152	82037		
152	100		
150	153.4	124.6	186.8
115	54.8	50.1	75.1



#5  
 2-Fluorophenol  
 Concen: 17.217 ng  
 RT: 5.48 min Scan# 577  
 Delta R.T. -0.01 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

Tgt Ion	Resp	Lower	Upper
112	88112		
112	100		
64	59.6	47.9	71.9
63	29.6	23.7	35.5

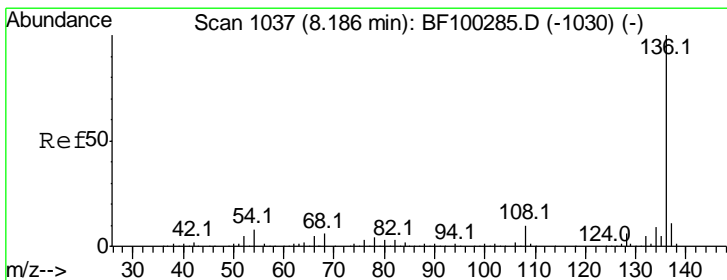
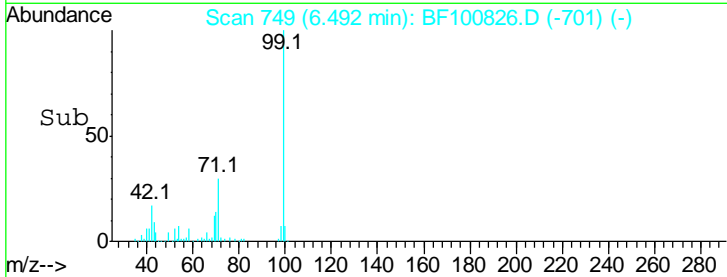
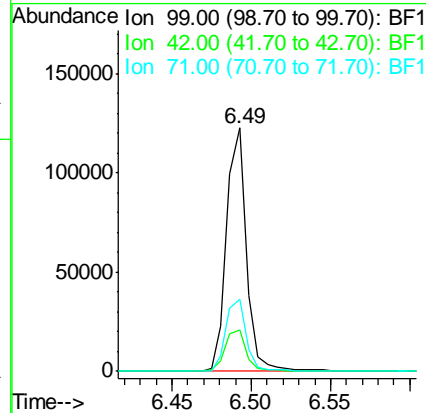
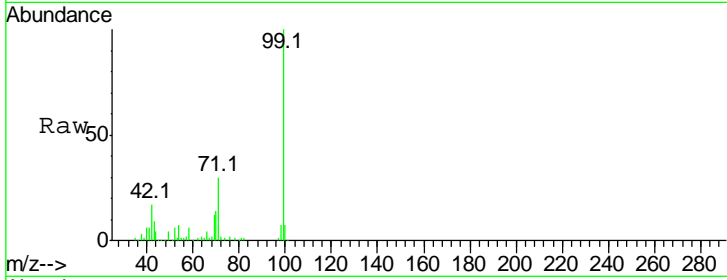




#7  
 Phenol-d6  
 Concen: 16.856 ng  
 RT: 6.49 min Scan# 749  
 Delta R.T. -0.02 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

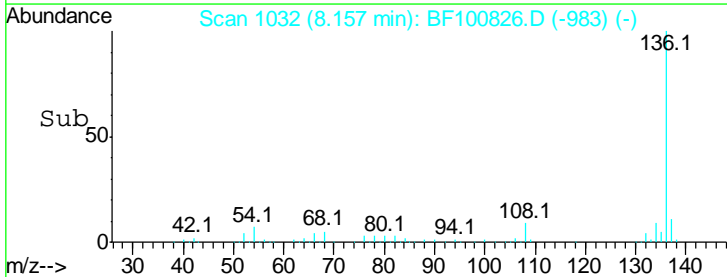
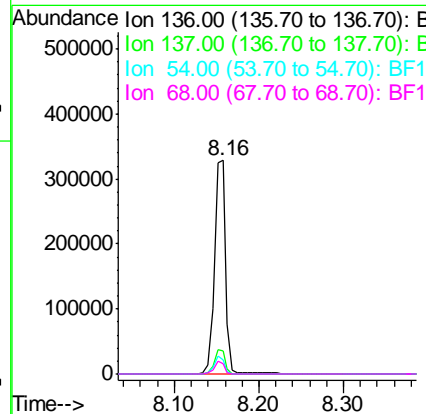
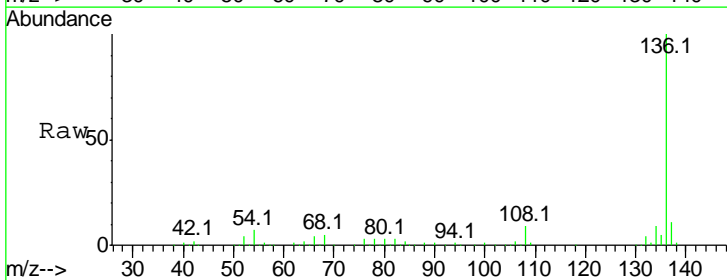
Instrument :  
 BNA\_F  
 ClientSampled :

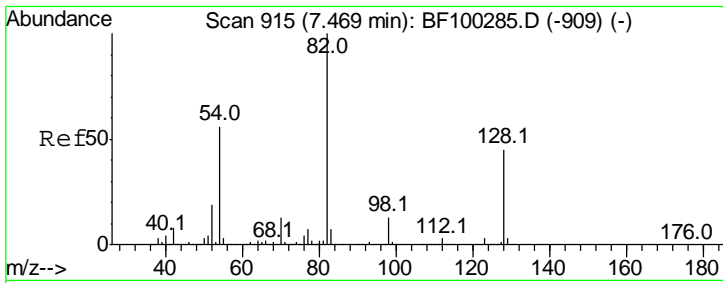
Tgt Ion	Resp	Lower	Upper
99	106377		
42	17.2	14.5	21.7
71	29.7	25.4	38.0



#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 8.16 min Scan# 1032  
 Delta R.T. -0.01 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

Tgt Ion	Resp	Lower	Upper
136	307519		
137	10.5	8.9	13.3
54	6.9	6.6	9.8
68	4.6	5.0	7.4#

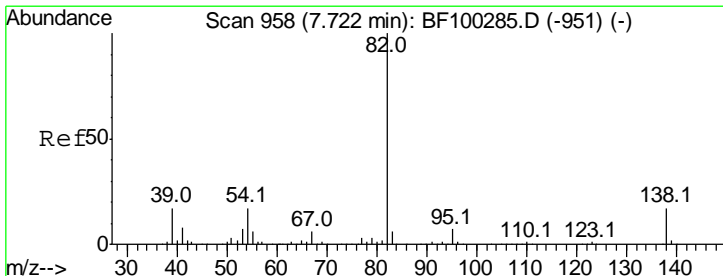
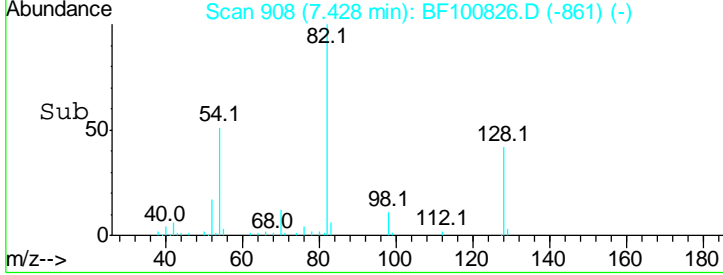
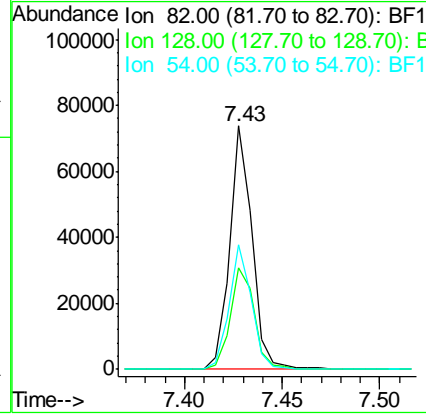
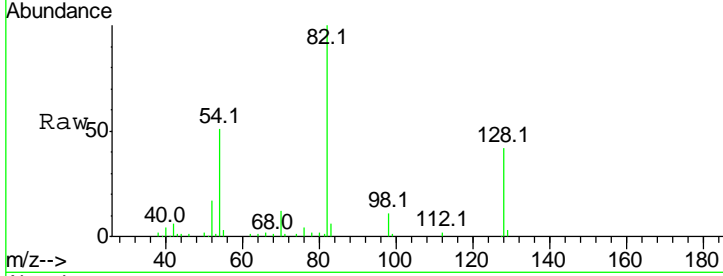




#23  
 Nitrobenzene-d5  
 Concen: 12.586 ng  
 RT: 7.43 min Scan# 908  
 Delta R.T. -0.02 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

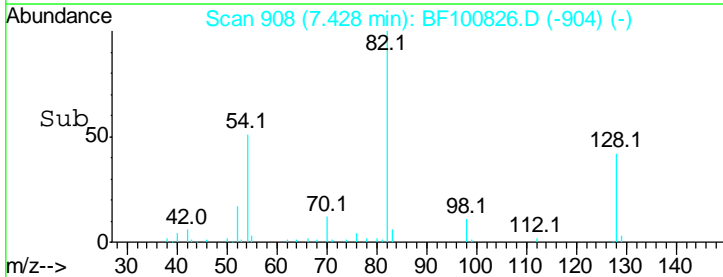
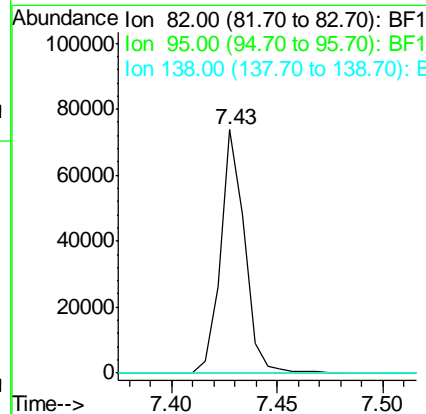
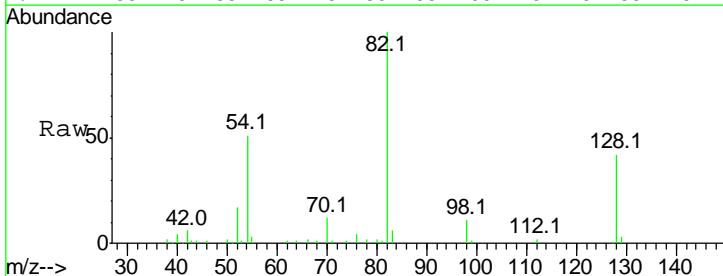
Instrument :  
 BNA\_F  
 ClientSampled :

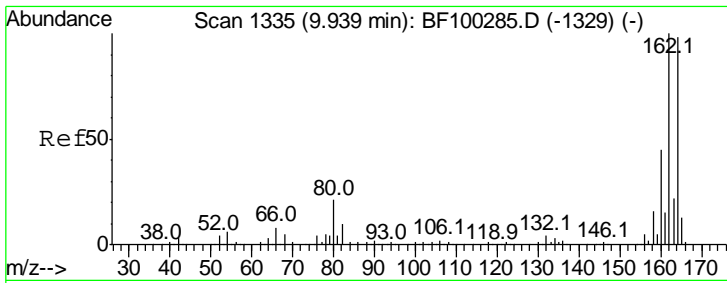
Tgt Ion	Resp	Lower	Upper
82	100		
128	41.9	36.1	54.1
54	51.2	41.4	62.2



#25  
 Isophorone  
 Concen: 5.989 ng  
 RT: 7.43 min Scan# 908  
 Delta R.T. -0.28 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

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

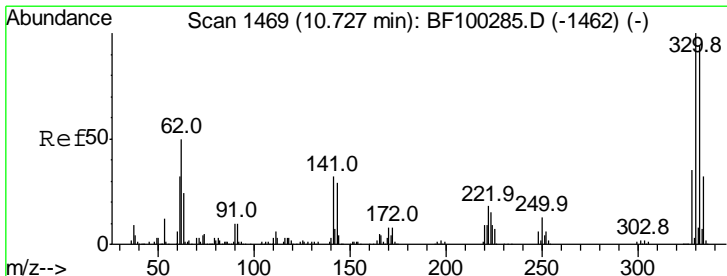
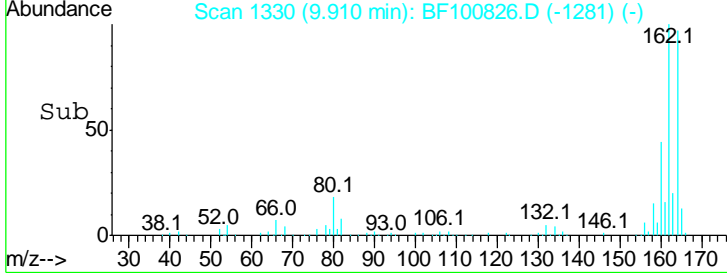
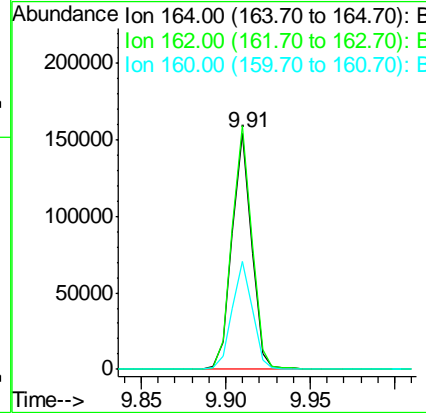
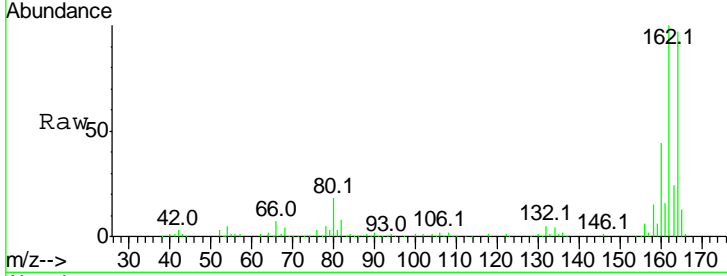




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.91 min Scan# 1330  
 Delta R.T. -0.01 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

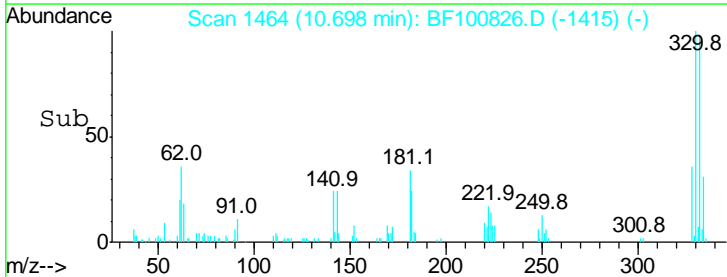
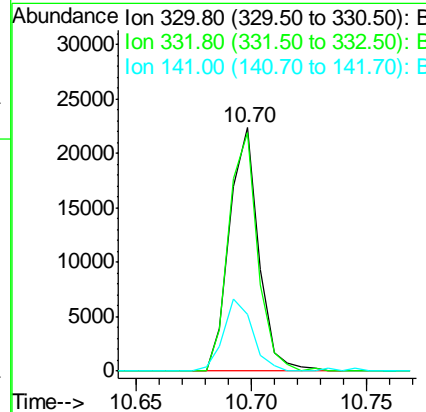
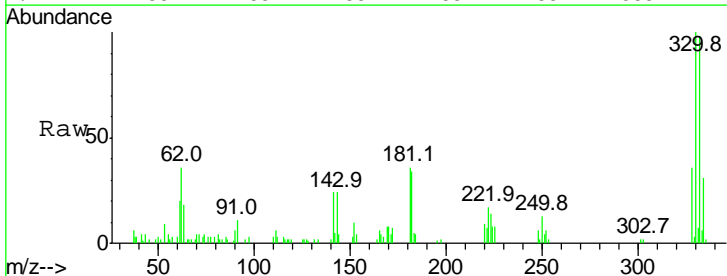
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 ClientSampled :

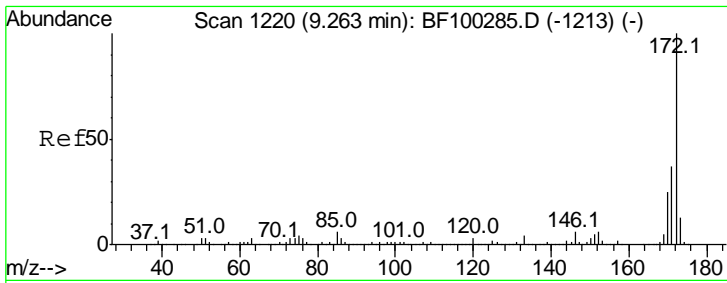
Tgt Ion	Resp	Lower	Upper
164	100		
162	103.0	86.1	129.1
160	45.6	38.3	57.5



#41  
 2,4,6-Tribromophenol  
 Concen: 15.403 ng  
 RT: 10.70 min Scan# 1464  
 Delta R.T. -0.01 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

Tgt Ion	Resp	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	29.7	29.9	44.9#

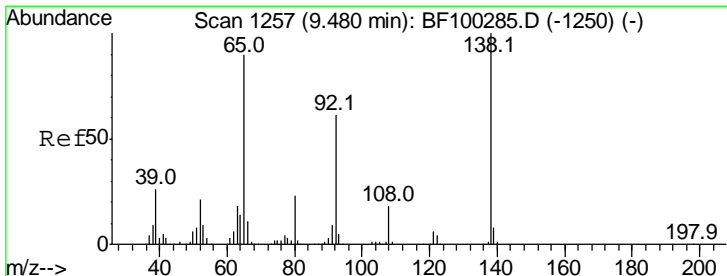
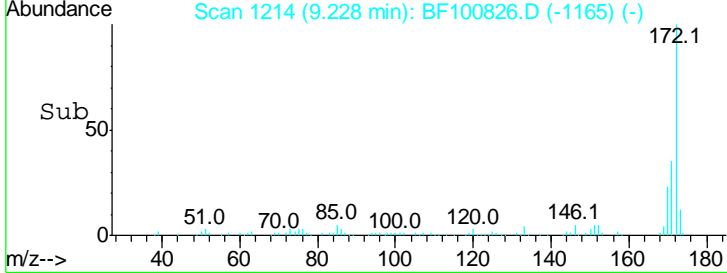
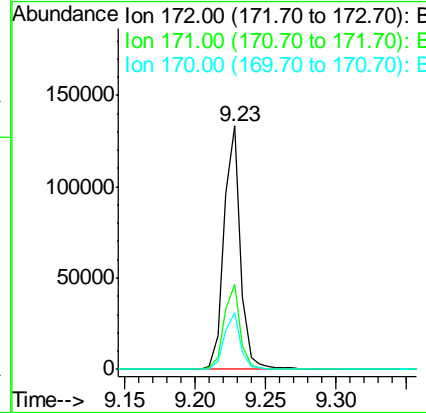
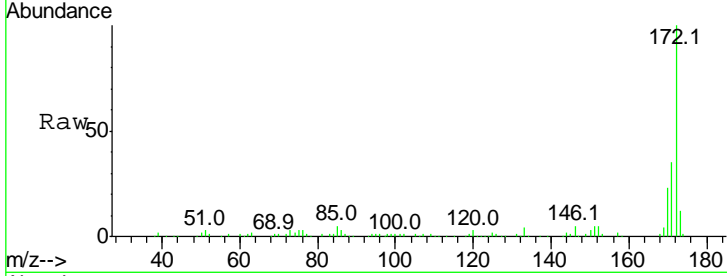




#44  
 2-Fluorobiphenyl  
 Concen: 13.088 ng  
 RT: 9.23 min Scan# 1214  
 Delta R.T. -0.01 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

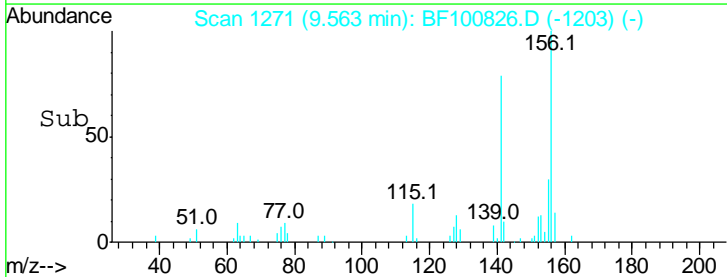
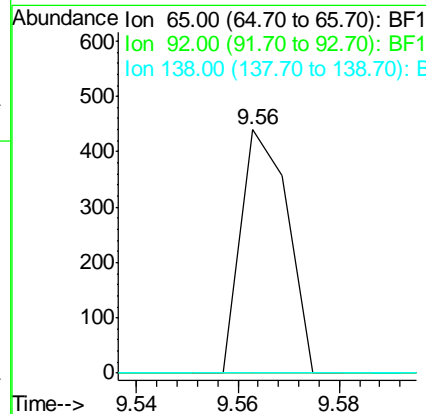
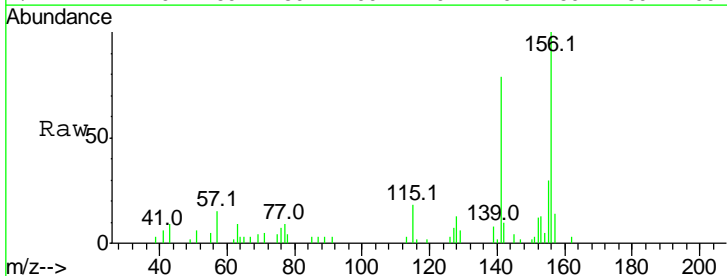
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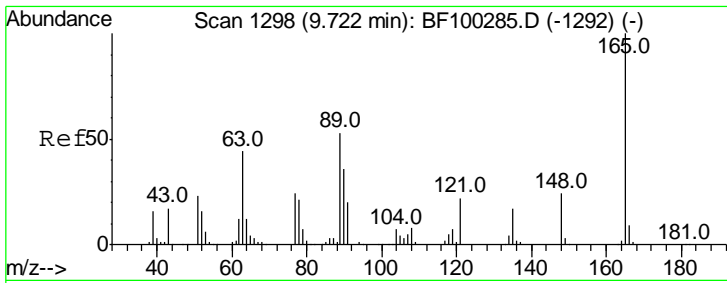
Tgt Ion	Resp	Lower	Upper
172	107629		
171	35.1	29.7	44.5
170	23.3	19.6	29.4



#47  
 2-Nitroaniline  
 Concen: 2.898 ng  
 RT: 9.56 min Scan# 1271  
 Delta R.T. 0.10 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

Tgt Ion	Resp	Lower	Upper
65	281		
92	0.0	55.8	83.6#
138	0.0	91.2	136.8#

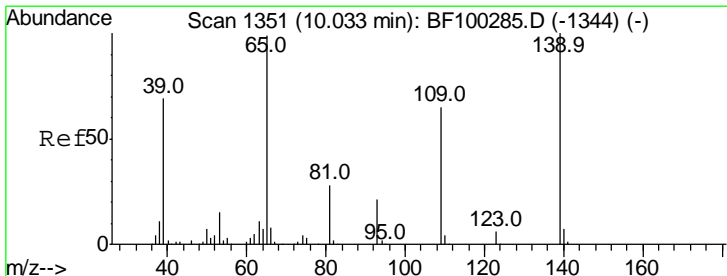
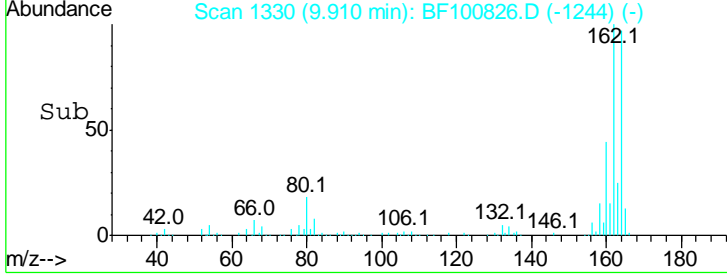
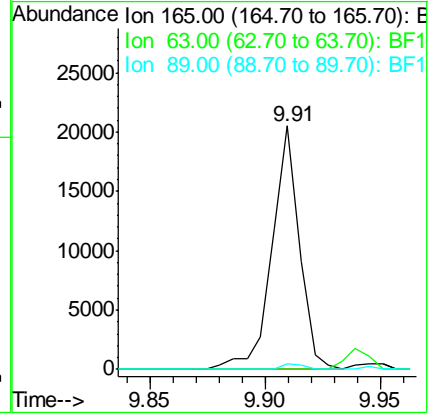
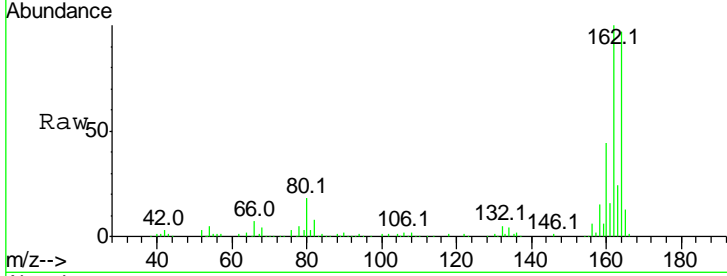




#50  
 2,6-Dinitrotoluene  
 Concen: 8.973 ng  
 RT: 9.91 min Scan# 1330  
 Delta R.T. 0.21 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

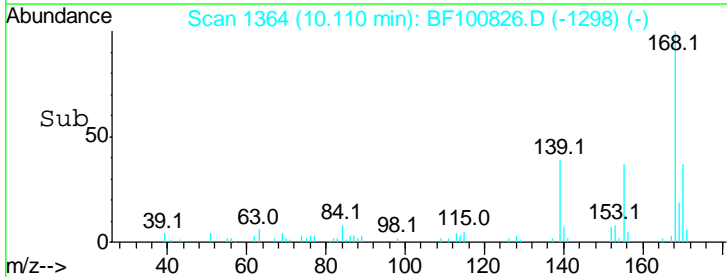
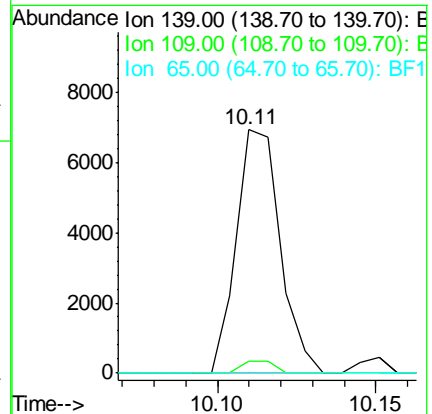
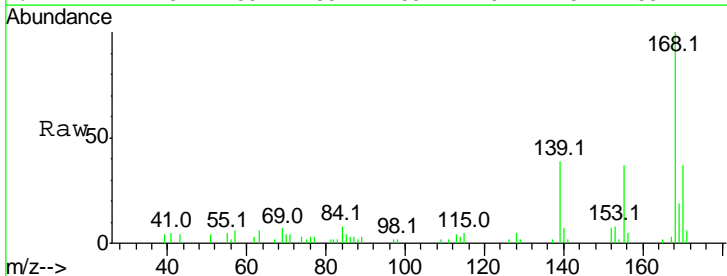
Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	2.2	44.0	66.0#

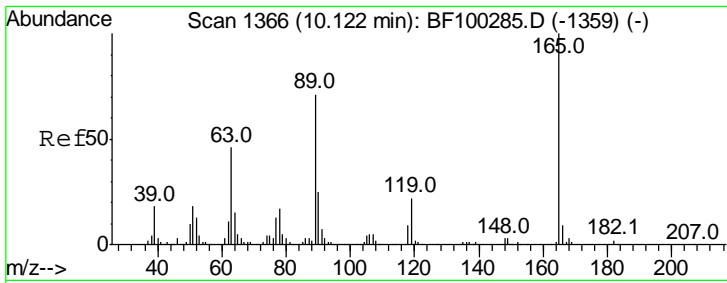


#55  
 4-Nitrophenol  
 Concen: 3.654 ng  
 RT: 10.11 min Scan# 1364  
 Delta R.T. 0.09 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

Tgt Ion	Ratio	Lower	Upper
139	100		
109	5.2	48.4	88.4#
65	0.0	72.6	112.6#



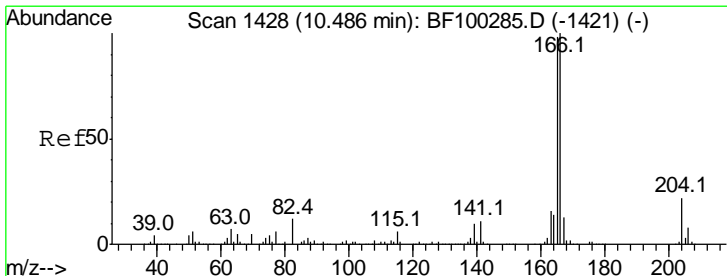
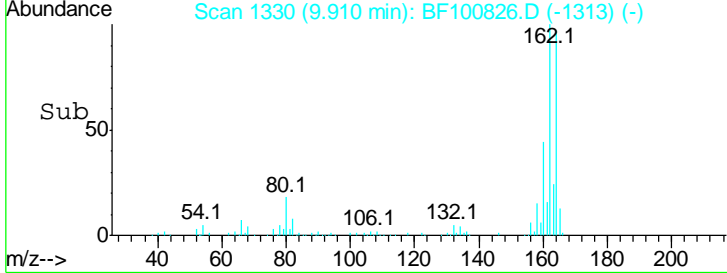
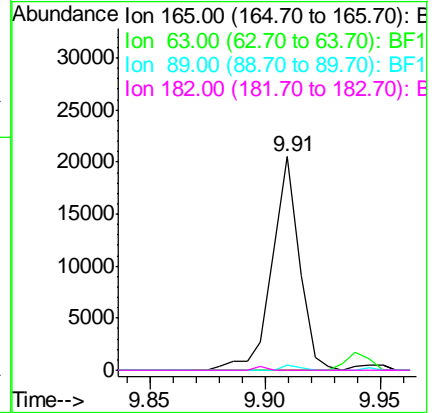
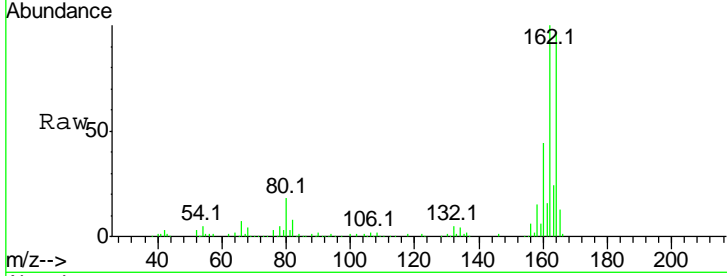




#56  
 2,4-Dinitrotoluene  
 Concen: 7.113 ng  
 RT: 9.91 min Scan# 1330  
 Delta R.T. -0.20 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

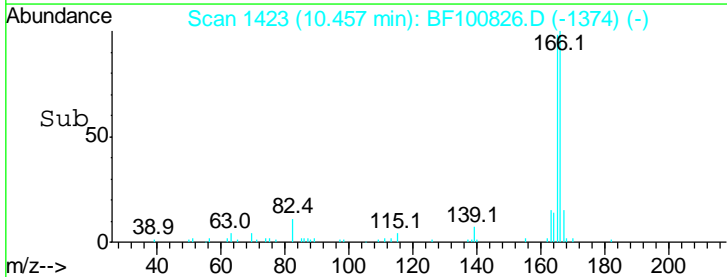
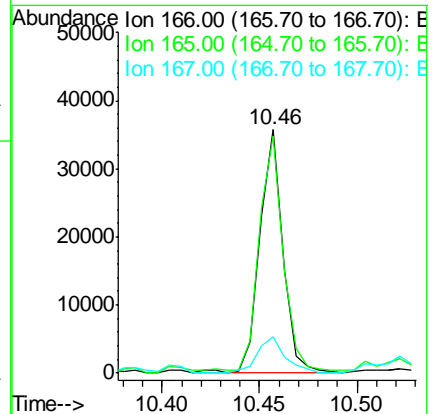
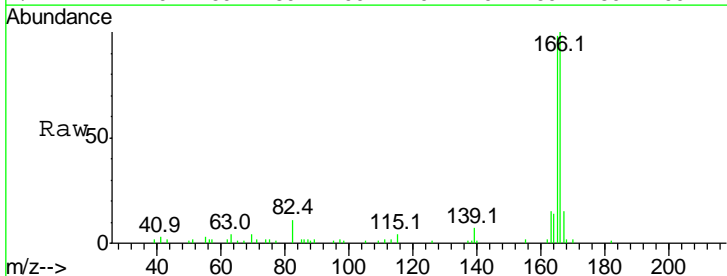
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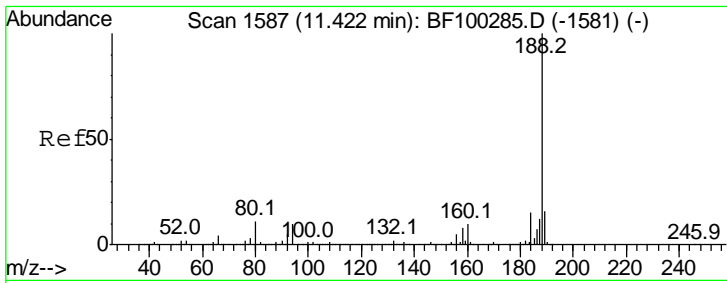
Tgt Ion	Resp	Lower	Upper
165	16982		
63	0.0	36.4	54.6#
89	2.2	57.8	86.6#
182	0.0	1.6	2.4#



#57  
 Fluorene  
 Concen: 3.637 ng  
 RT: 10.46 min Scan# 1423  
 Delta R.T. -0.01 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

Tgt Ion	Resp	Lower	Upper
166	29572		
165	97.7	79.8	119.8
167	14.7	10.6	16.0

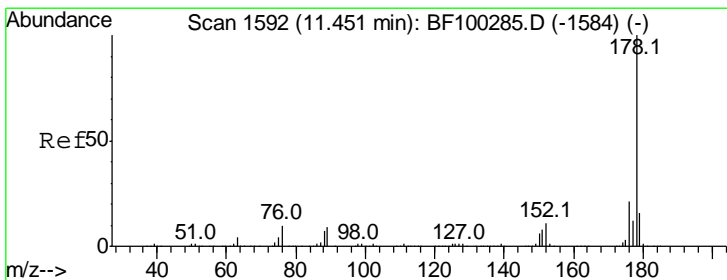
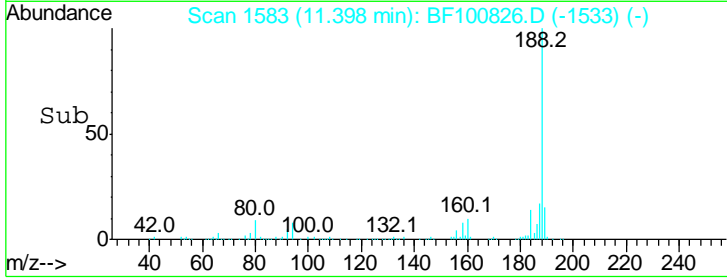
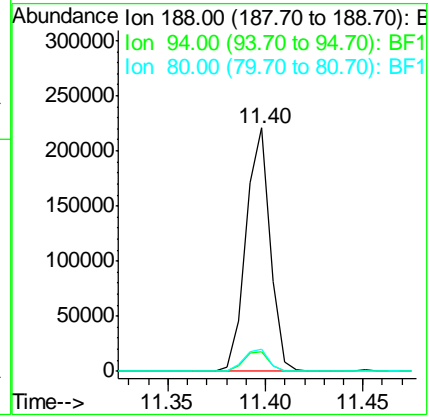
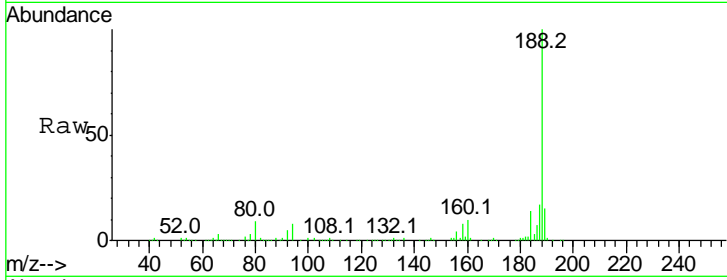




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.40 min Scan# 1583  
 Delta R.T. -0.01 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

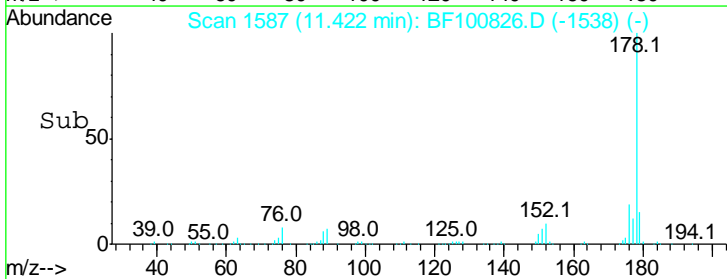
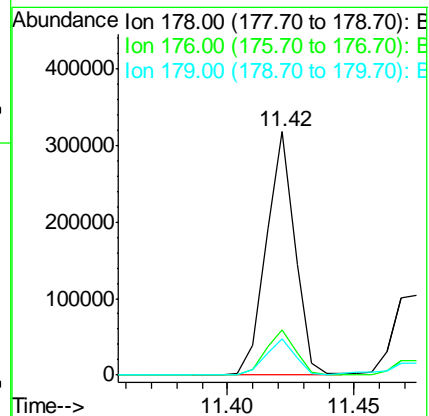
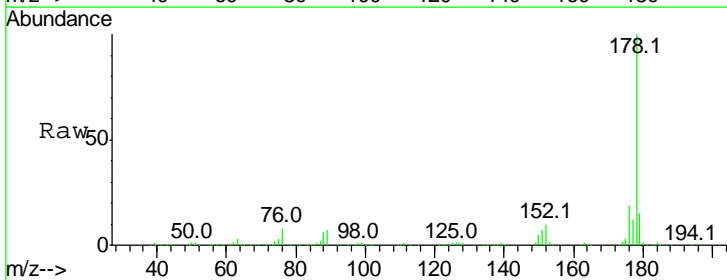
Instrument :  
 BNA\_F  
 ClientSampled :

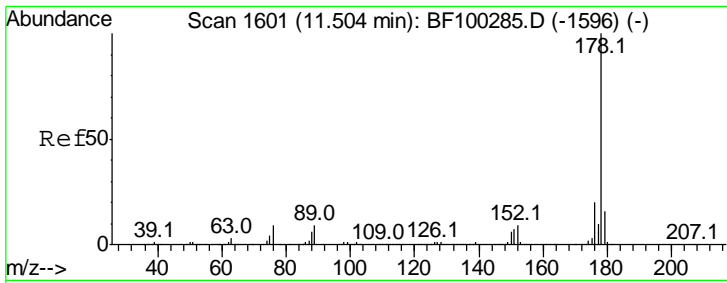
Tgt Ion	Resp	Lower	Upper
188	100		
94	8.1	8.5	12.7#
80	9.0	9.2	13.8#



#70  
 Phenanthrene  
 Concen: 25.446 ng  
 RT: 11.42 min Scan# 1587  
 Delta R.T. -0.01 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

Tgt Ion	Resp	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.2	13.0	19.6

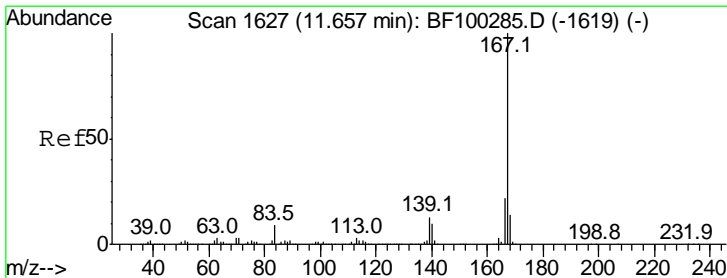
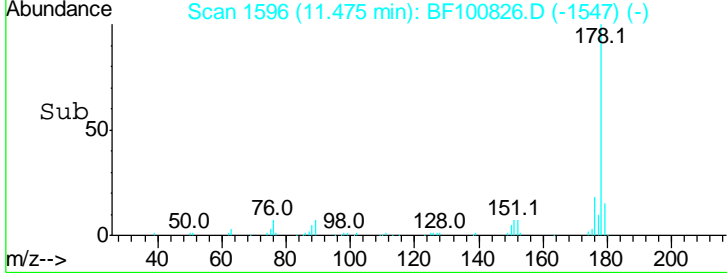
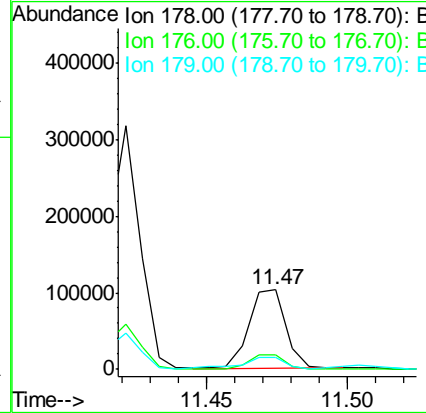
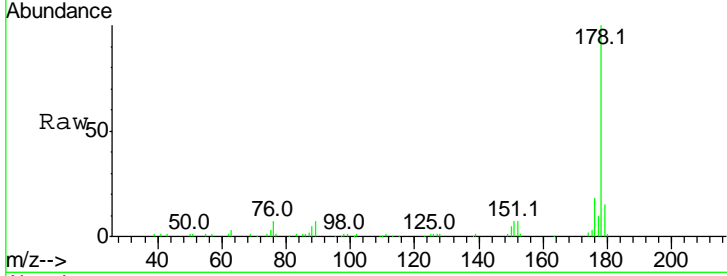




#71  
 Anthracene  
 Concen: 9.114 ng  
 RT: 11.47 min Scan# 1596  
 Delta R.T. -0.01 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

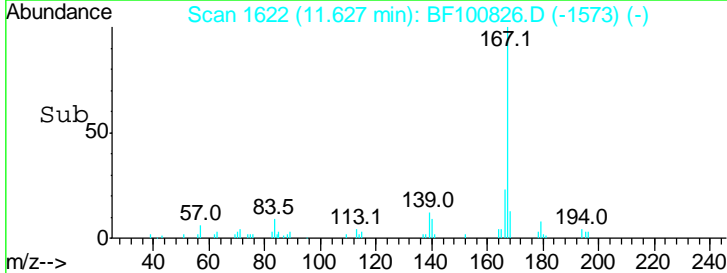
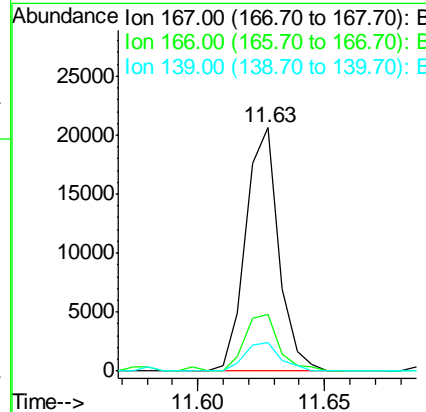
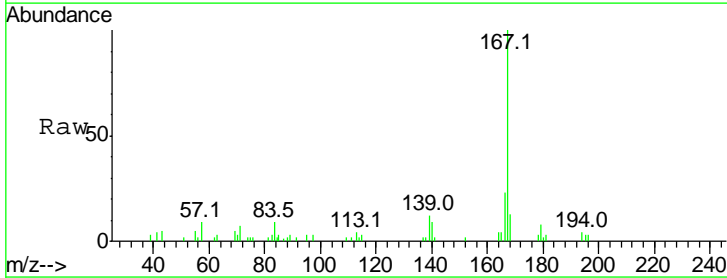
Instrument :  
 BNA\_F  
 ClientSampled :

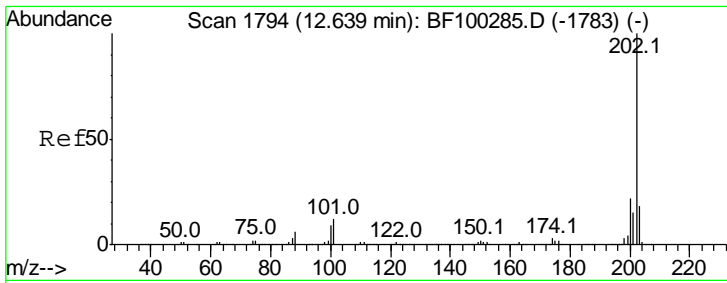
Tgt Ion	Resp	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	14.7	12.6	19.0



#72  
 Carbazole  
 Concen: 2.005 ng  
 RT: 11.63 min Scan# 1622  
 Delta R.T. -0.01 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

Tgt Ion	Resp	Lower	Upper
167	100		
166	23.3	17.6	26.4
139	11.8	10.9	16.3

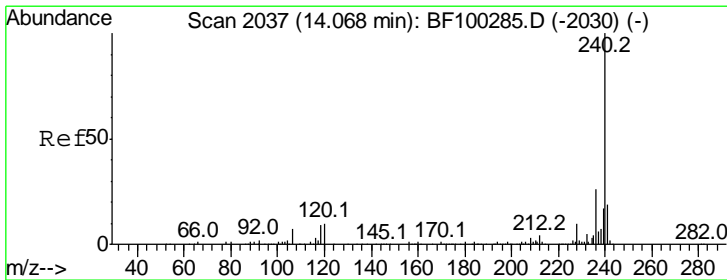
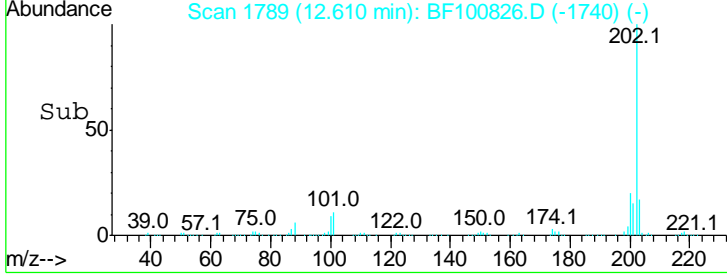
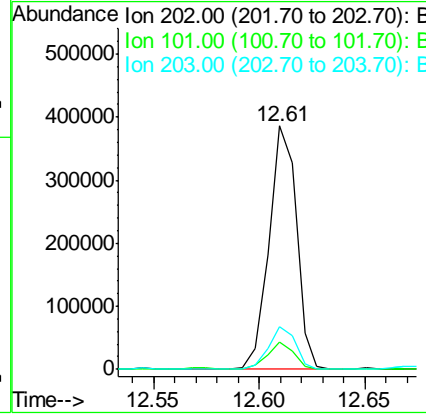
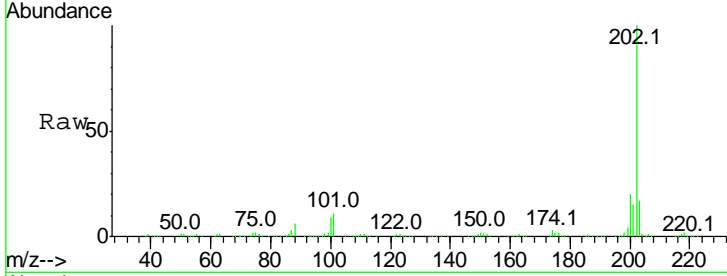




#74  
 Fluoranthene  
 Concen: 33.233 ng  
 RT: 12.61 min Scan# 1789  
 Delta R.T. -0.01 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

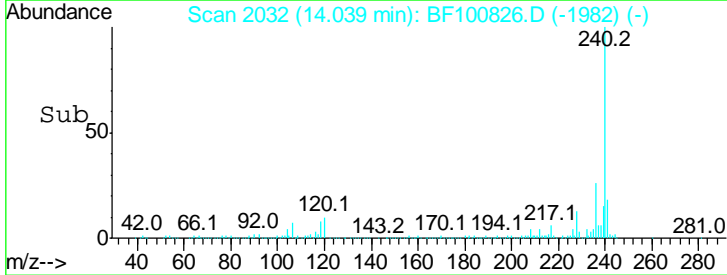
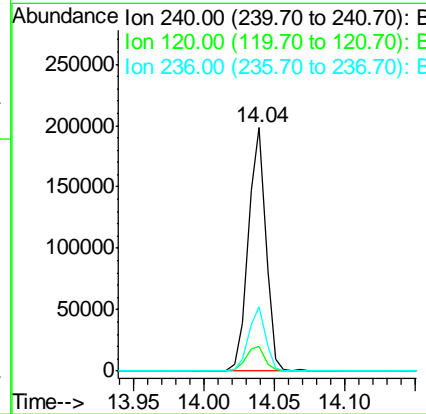
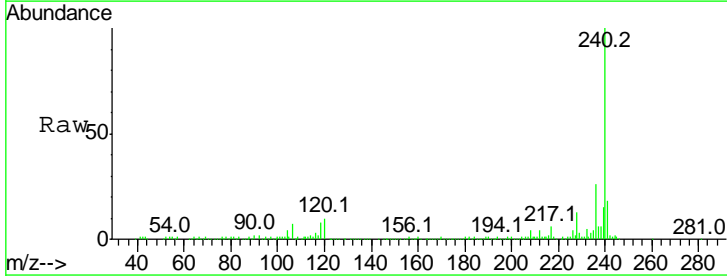
Instrument :  
 BNA\_F  
 ClientSampled :

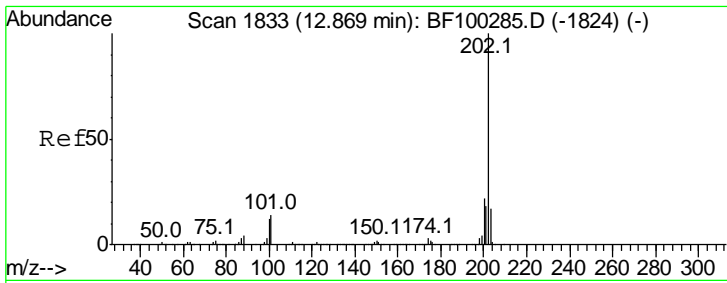
Tgt Ion	Resp	Lower	Upper
202	100		
101	11.4	0.0	34.1
203	17.4	0.0	38.1



#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.04 min Scan# 2032  
 Delta R.T. -0.01 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

Tgt Ion	Resp	Lower	Upper
240	100		
120	10.0	9.5	14.3
236	26.4	20.7	31.1

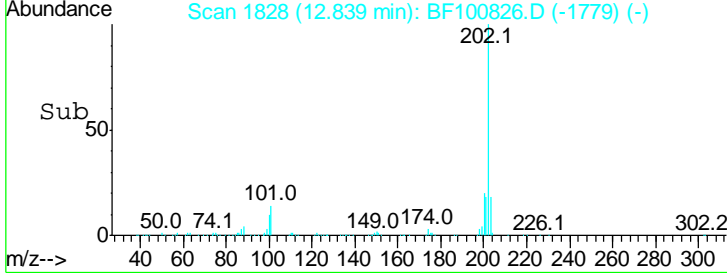
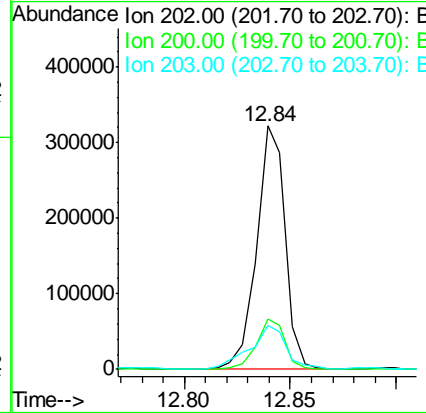
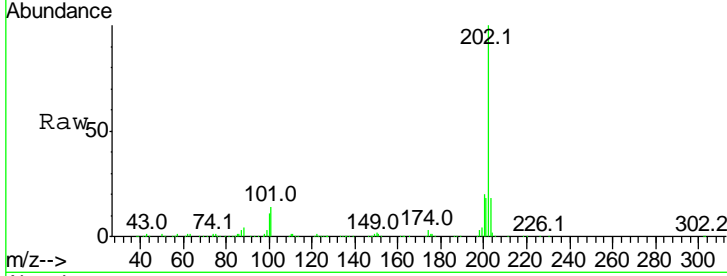




#77  
 Pyrene  
 Concen: 24.559 ng  
 RT: 12.84 min Scan# 1828  
 Delta R.T. -0.01 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

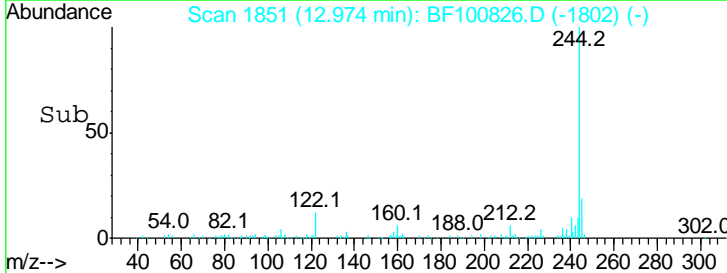
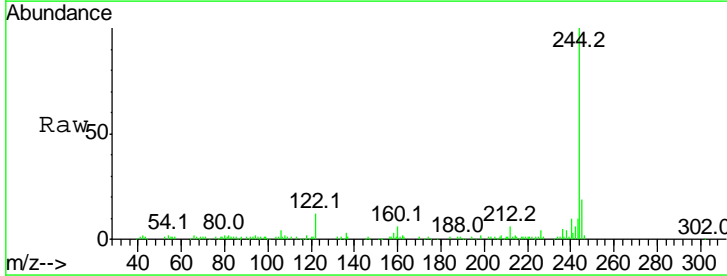
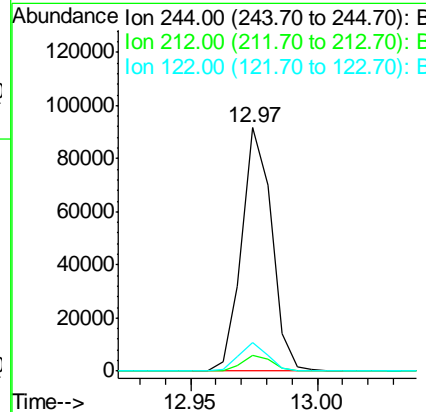
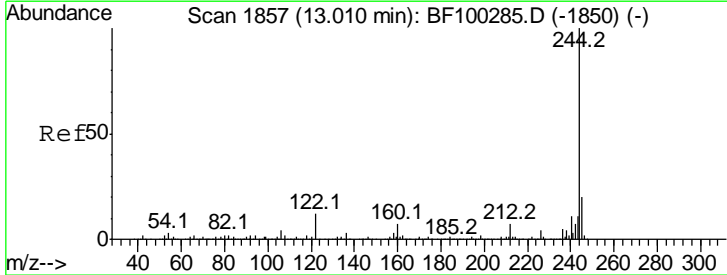
Instrument :  
 BNA\_F  
 ClientSampled :

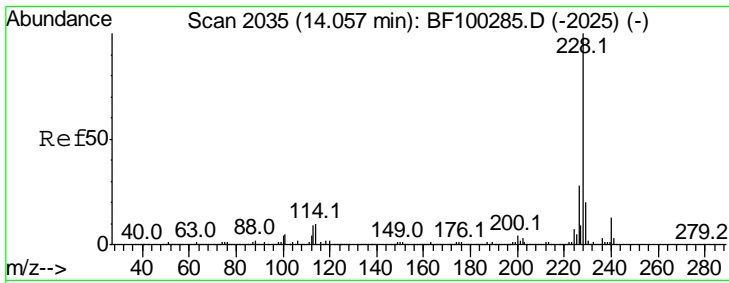
Tgt Ion	Resp	Lower	Upper
202	301824		
202	100		
200	20.5	17.4	26.2
203	17.9	14.3	21.5



#78  
 Terphenyl-d14  
 Concen: 10.060 ng  
 RT: 12.97 min Scan# 1851  
 Delta R.T. -0.01 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

Tgt Ion	Resp	Lower	Upper
244	75484		
244	100		
212	6.4	5.4	8.0
122	11.9	11.0	16.4

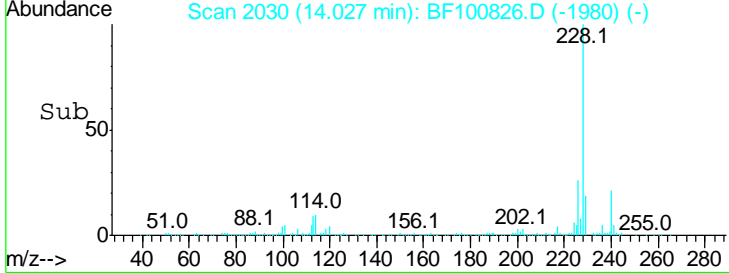
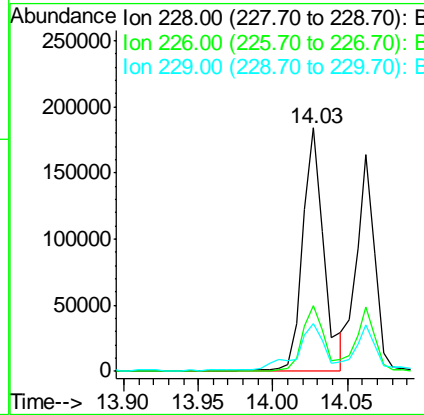
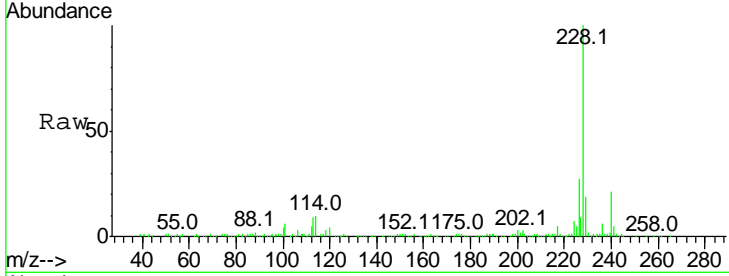




#80  
 Benzo(a)anthracene  
 Concen: 17.621 ng  
 RT: 14.03 min Scan# 2030  
 Delta R.T. -0.01 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

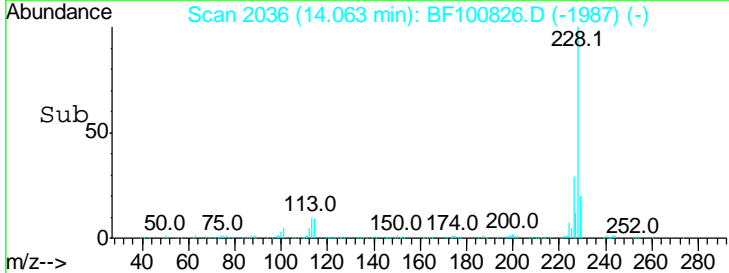
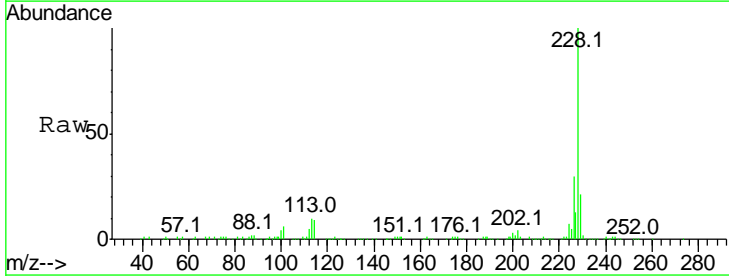
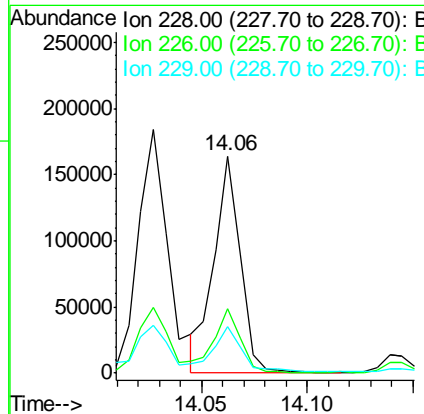
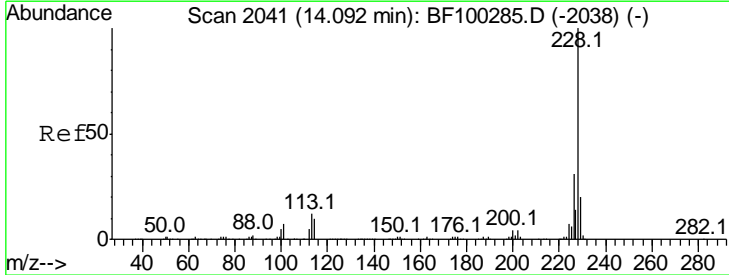
Instrument :  
 BNA\_F  
 ClientSampled :

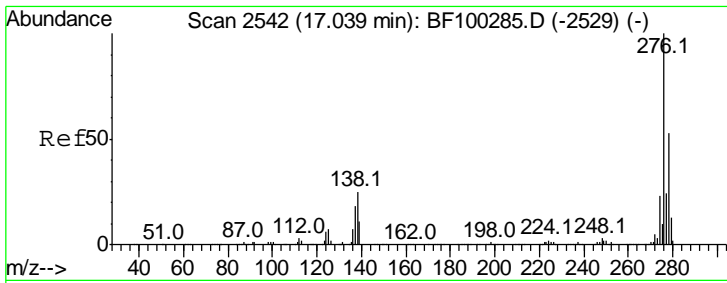
Tgt Ion	Resp	Lower	Upper
228	182952		
226	26.8	22.6	33.8
229	19.4	15.8	23.6



#82  
 Chrysene  
 Concen: 14.266 ng  
 RT: 14.06 min Scan# 2036  
 Delta R.T. -0.01 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

Tgt Ion	Resp	Lower	Upper
228	143429		
226	29.6	25.0	37.6
229	21.2	16.2	24.4

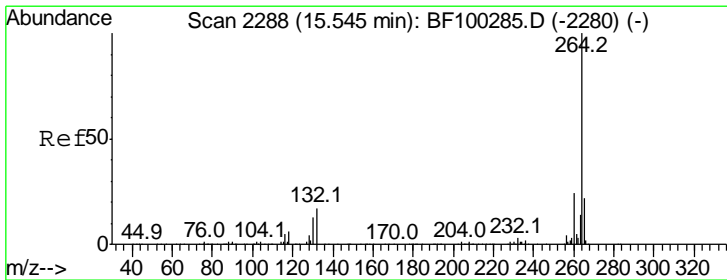
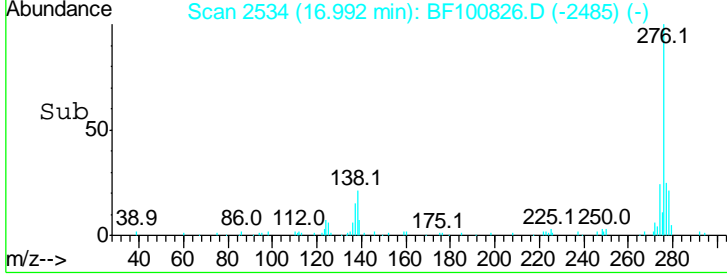
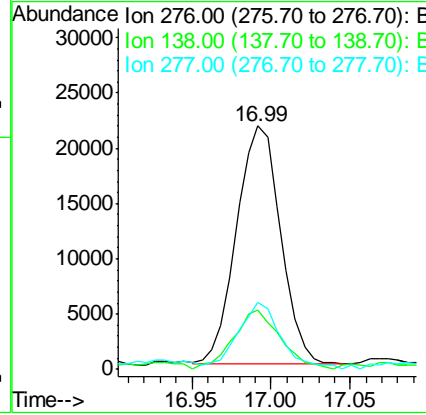
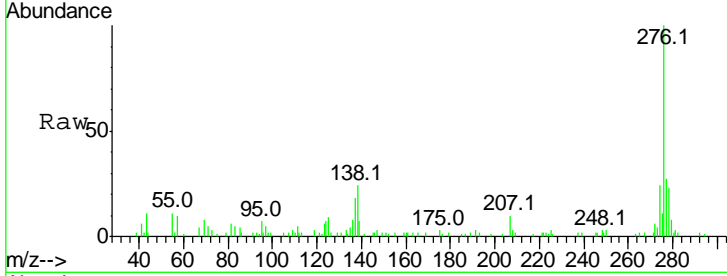




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 5.100 ng  
 RT: 16.99 min Scan# 2534  
 Delta R.T. -0.01 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

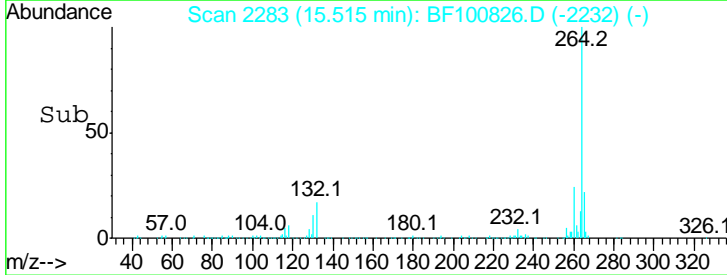
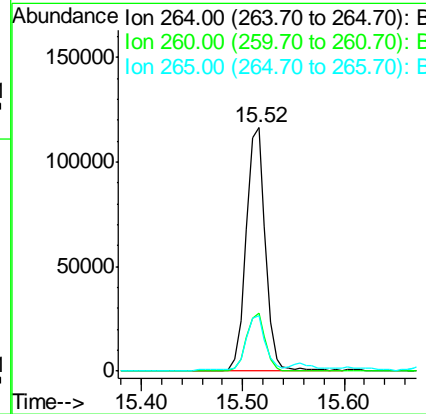
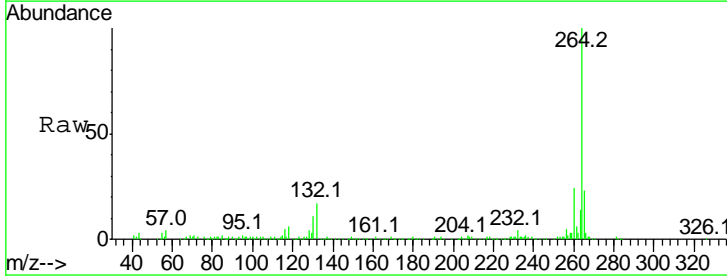
Instrument :  
 BNA\_F  
 ClientSampled :

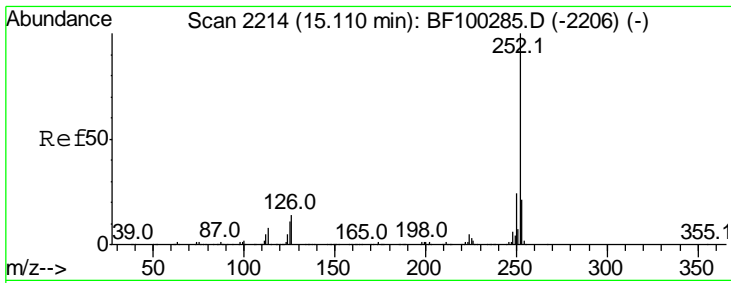
Tgt Ion	Resp	Lower	Upper
276	41475		
276	100		
138	26.9	25.0	37.6
277	27.4	20.1	30.1



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.52 min Scan# 2283  
 Delta R.T. -0.00 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

Tgt Ion	Resp	Lower	Upper
264	153654		
264	100		
260	23.7	19.2	28.8
265	22.6	17.5	26.3

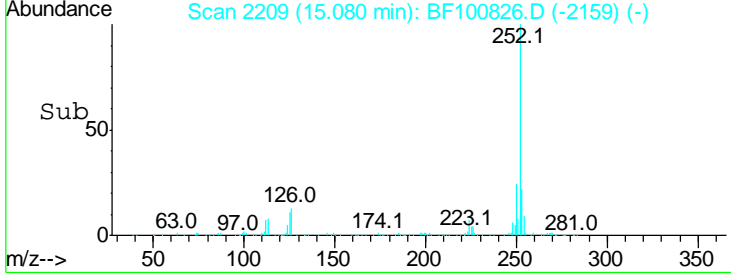
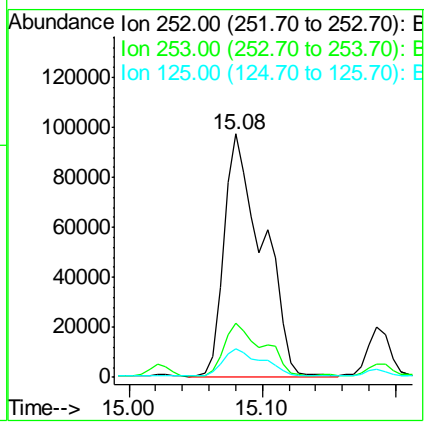
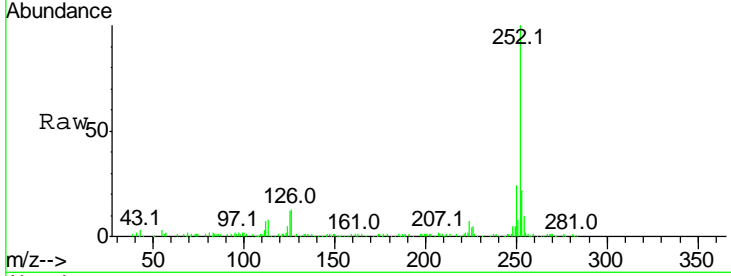




#87  
 Benzo(b)fluoranthene  
 Concen: 21.428 ng  
 RT: 15.08 min Scan# 2209  
 Delta R.T. -0.01 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

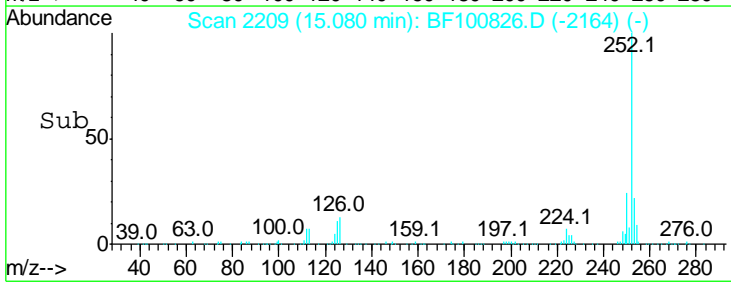
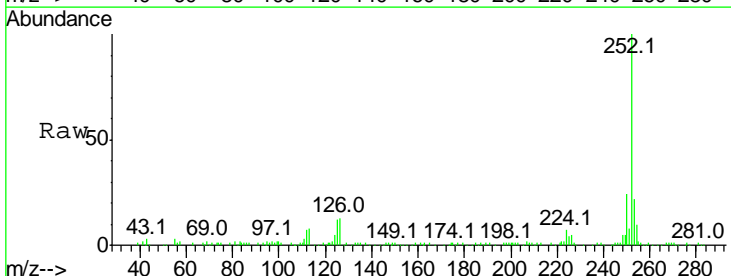
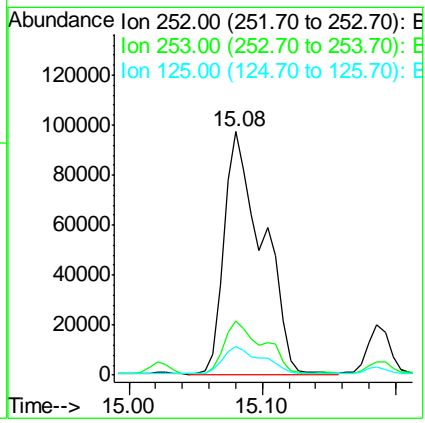
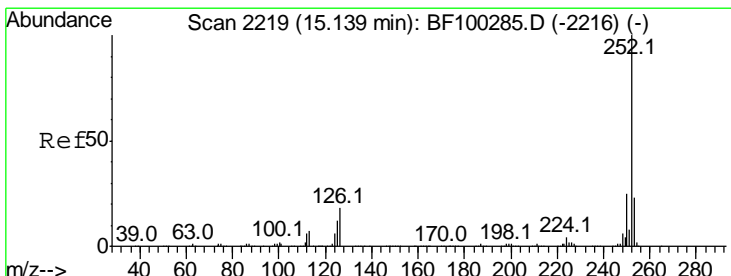
Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	11.7	9.0	13.6

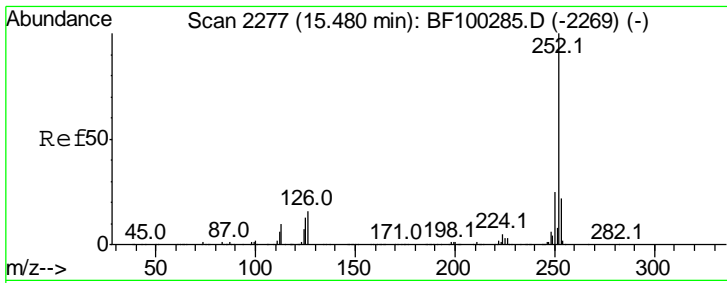


#88  
 Benzo(k)fluoranthene  
 Concen: 22.679 ng  
 RT: 15.08 min Scan# 2209  
 Delta R.T. -0.04 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

Tgt Ion	Resp	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	11.7	10.2	15.2



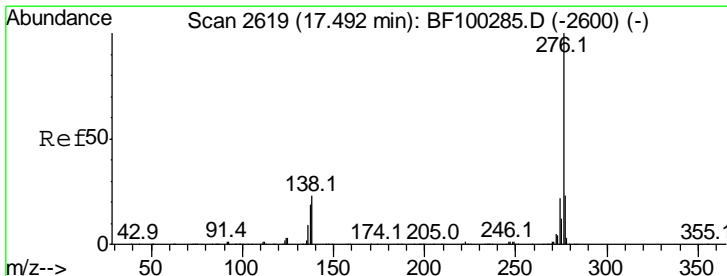
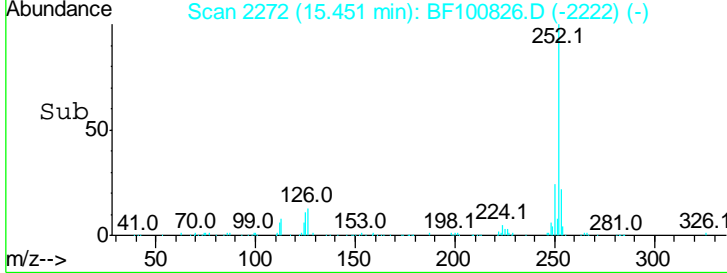
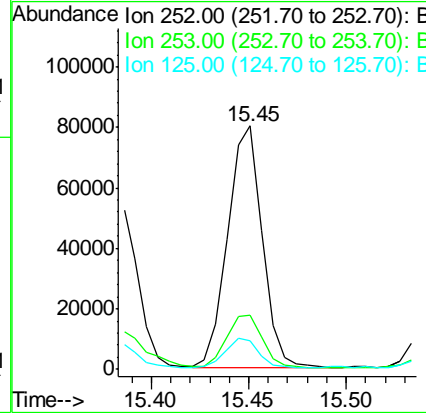
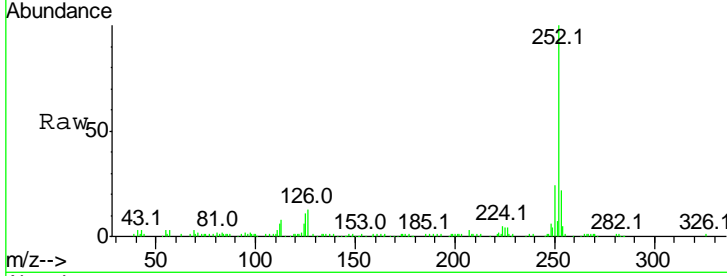




#89  
 Benzo(a)pyrene  
 Concen: 12.196 ng  
 RT: 15.45 min Scan# 2272  
 Delta R.T. -0.01 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	11.5	9.8	14.6



#91  
 Benzo(g,h,i)perylene  
 Concen: 5.645 ng  
 RT: 17.44 min Scan# 2611  
 Delta R.T. -0.01 min  
 Lab File: BF100826.D  
 Acq: 22 Nov 2017 15:06

Tgt Ion	Resp	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	24.0	21.8	32.8

