

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\  
 Data File : BF100945.D  
 Acq On : 28 Nov 2017 20:20  
 Operator : SJ/JU  
 Sample : I6579-02 5X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 29 00:40:45 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 28 15:21:02 2017  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	60766	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	218133	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	89686	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	137213	20.00	ng	0.00
75) Chrysene-d12	14.03	240	133759	20.00	ng	0.00
86) Perylene-d12	15.50	264	120089	20.00	ng	0.01

## System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	65619	17.31	ng	0.00
7) Phenol-d6	6.48	99	77174	16.51	ng	-0.01
23) Nitrobenzene-d5	7.42	82	45350	13.75	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	14674	16.06	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	104362	17.72	ng	0.00
78) Terphenyl-d14	12.96	244	80588	13.84	ng	0.00

## Target Compounds

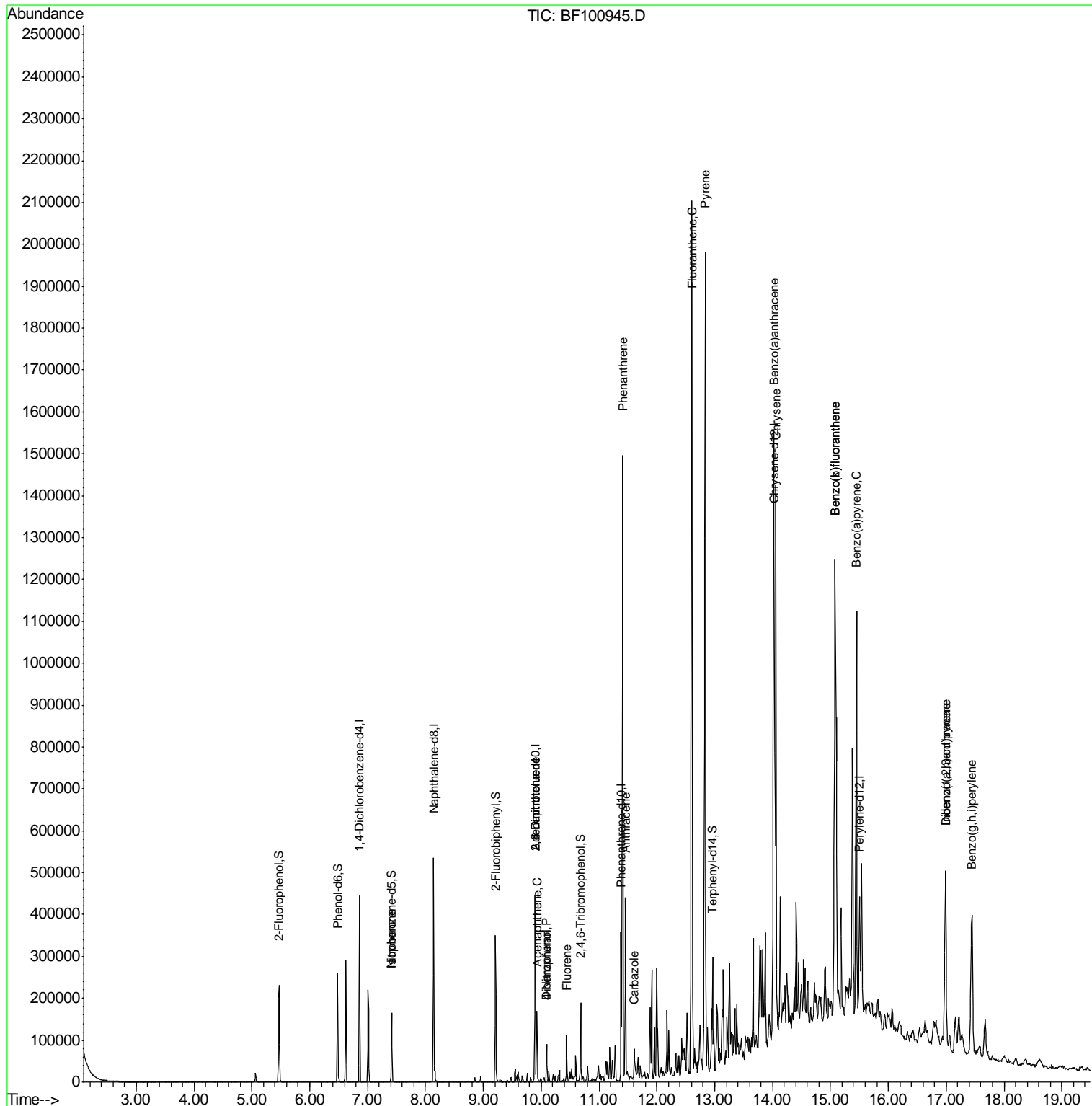
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.42	82	45350	6.541	ng	# 64
50) 2,6-Dinitrotoluene	9.89	165	11959	8.823	ng	# 24
51) Acenaphthene	9.93	154	34602	6.101	ng	99
54) Dibenzofuran	10.10	168	28091	3.534	ng	98
55) 4-Nitrophenol	10.10	139	10283	7.912	ng	# 9
56) 2,4-Dinitrotoluene	9.89	165	11959	6.994	ng	# 21
57) Fluorene	10.44	166	27300	4.688	ng	96
70) Phenanthrene	11.41	178	541928	75.013	ng	99
71) Anthracene	11.46	178	157724	21.519	ng	98
72) Carbazole	11.61	167	23239	3.436	ng	96
74) Fluoranthene	12.60	202	1035601	135.257	ng	97
77) Pyrene	12.84	202	983228	103.119	ng	99
80) Benzo(a)anthracene	14.02	228	590592	73.321	ng	98
82) Chrysene	14.06	228	483932	62.042	ng	98
85) Indeno(1,2,3-cd)pyrene	16.99	276	294156	46.624	ng	# 87
87) Benzo(b)fluoranthene	15.08	252	936314	131.604	ng	98
88) Benzo(k)fluoranthene	15.08	252	936314	139.284	ng	98
89) Benzo(a)pyrene	15.45	252	496606	78.734	ng	96
90) Dibenzo(a,h)anthracene	17.00	278	66035	12.802	ng	93
91) Benzo(a,h,i)perylene	17.44	276	288979	57.231	ng	# 91

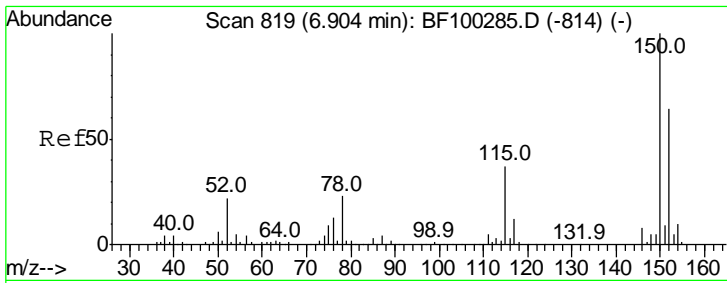
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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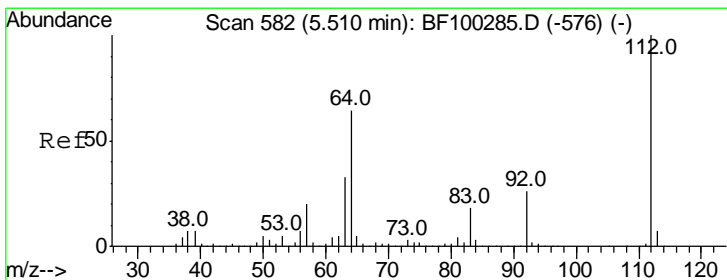
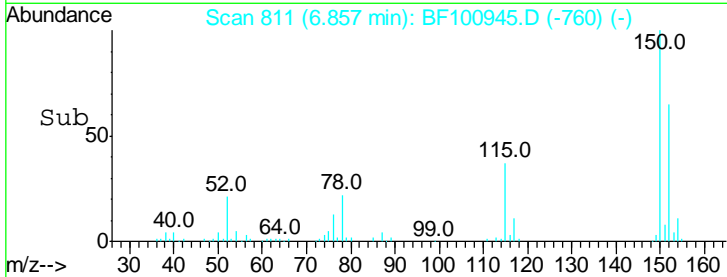
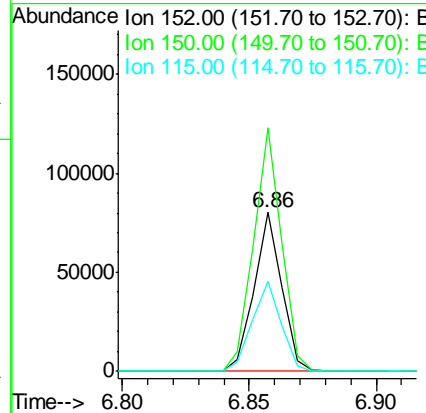
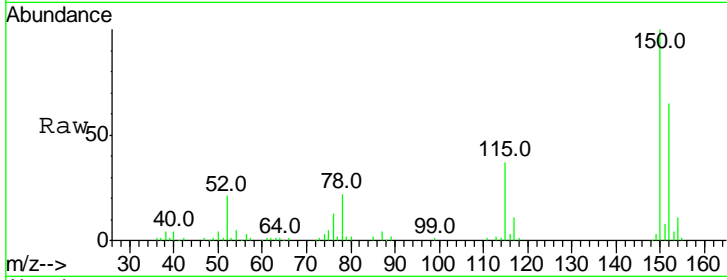




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.86 min Scan# 811  
 Delta R.T. -0.00 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

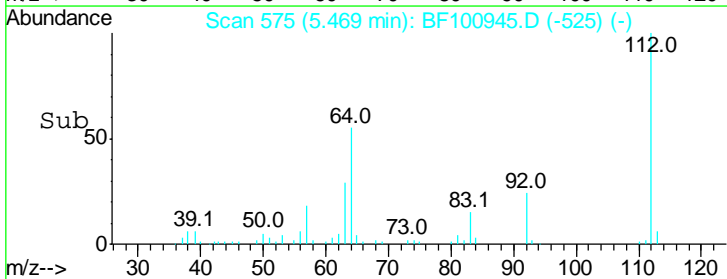
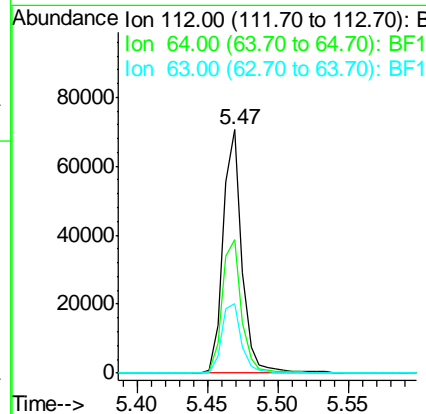
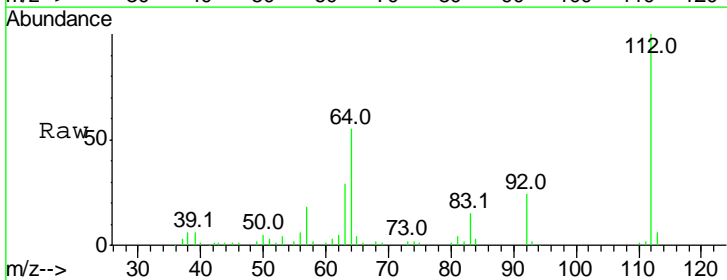
Instrument :  
 BNA\_F  
 ClientSampled :

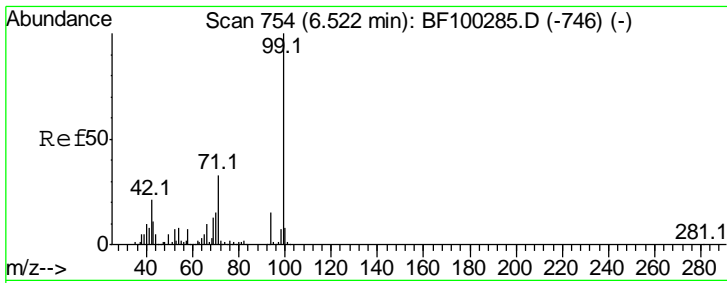
Tgt Ion	Resp	Lower	Upper
152	60766		
152	100		
150	153.4	124.6	186.8
115	56.8	50.1	75.1



#5  
 2-Fluorophenol  
 Concen: 17.310 ng  
 RT: 5.47 min Scan# 575  
 Delta R.T. -0.01 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

Tgt Ion	Resp	Lower	Upper
112	65619		
112	100		
64	54.9	47.9	71.9
63	28.8	23.7	35.5

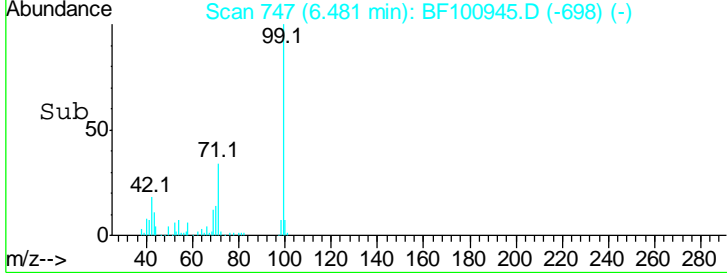
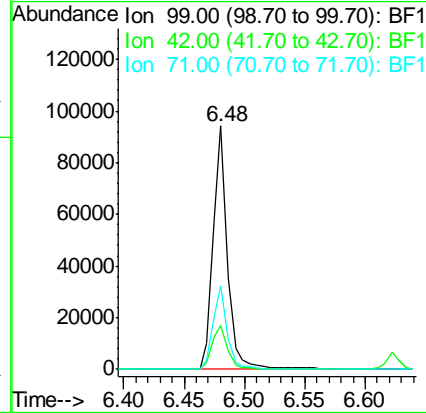
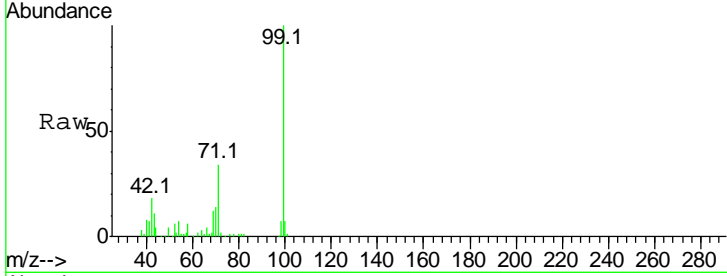




#7  
 Phenol-d6  
 Concen: 16.509 ng  
 RT: 6.48 min Scan# 747  
 Delta R.T. -0.01 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

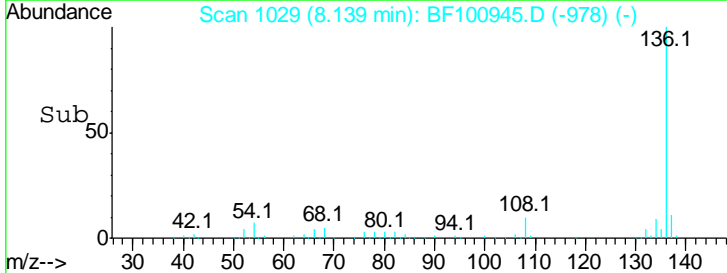
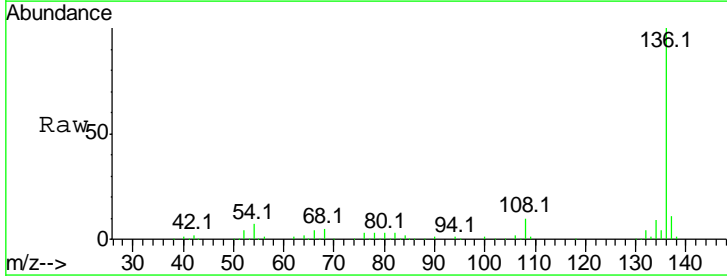
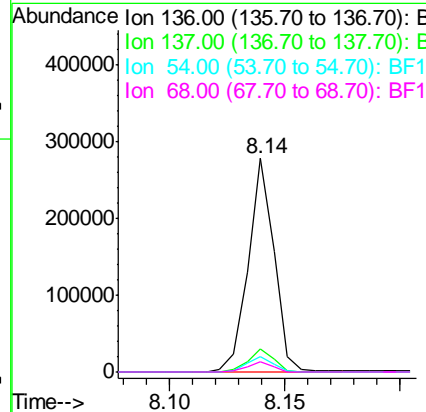
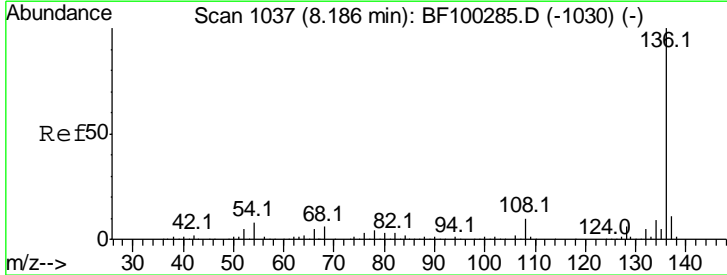
Instrument :  
 BNA\_F  
 ClientSampled :

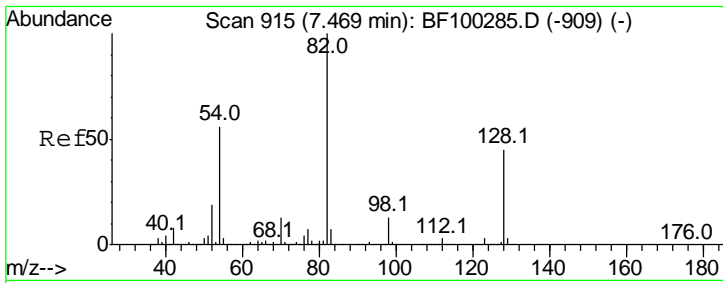
Tgt Ion	Resp	Lower	Upper
99	100		
42	18.3	14.5	21.7
71	34.1	25.4	38.0



#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 8.14 min Scan# 1029  
 Delta R.T. -0.00 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

Tgt Ion	Resp	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.4	6.6	9.8
68	4.5	5.0	7.4#

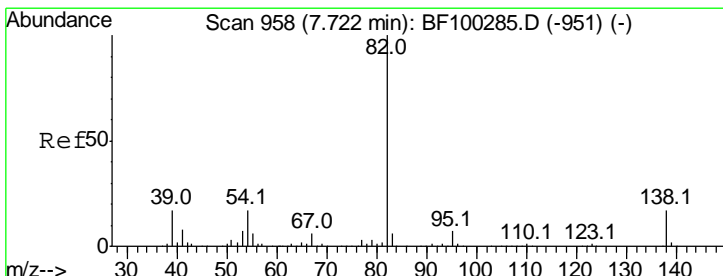
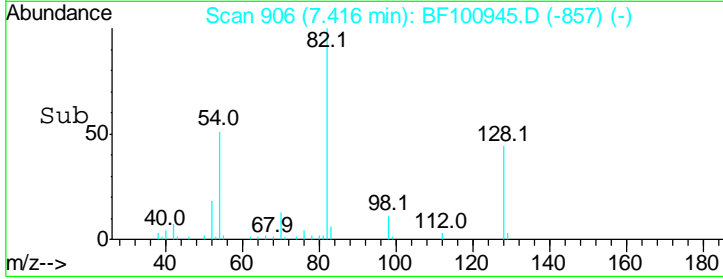
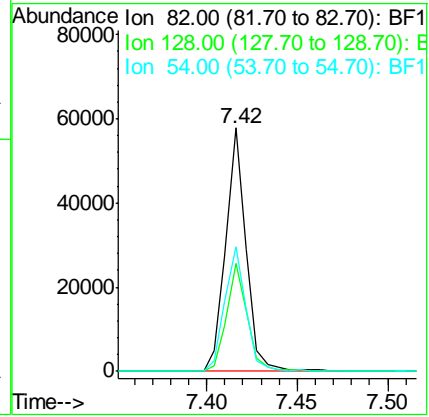
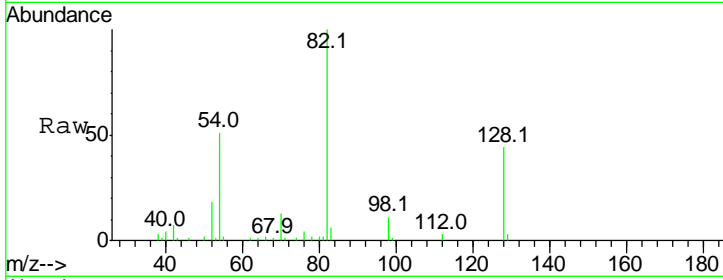




#23  
 Nitrobenzene-d5  
 Concen: 13.745 ng  
 RT: 7.42 min Scan# 906  
 Delta R.T. -0.01 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

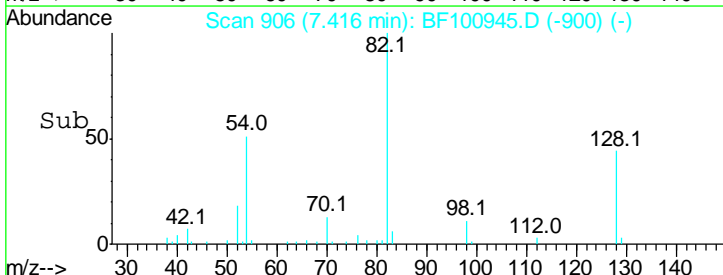
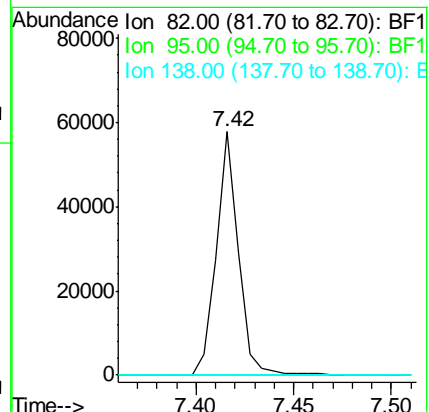
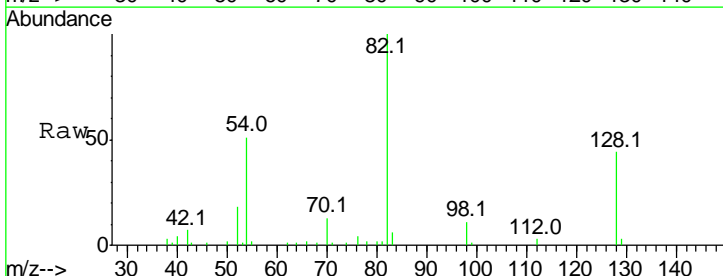
Instrument :  
 BNA\_F  
 ClientSampled :

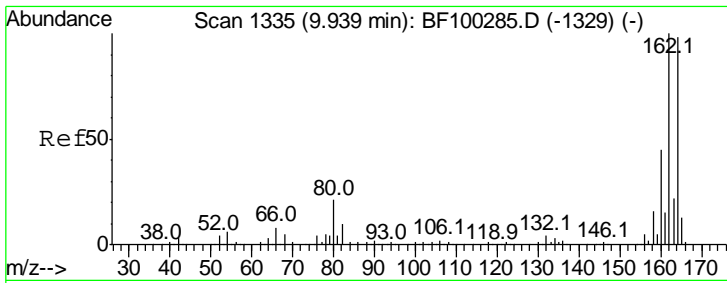
Tgt Ion	Resp	Lower	Upper
82	100		
128	44.4	36.1	54.1
54	51.0	41.4	62.2



#25  
 Isophorone  
 Concen: 6.541 ng  
 RT: 7.42 min Scan# 906  
 Delta R.T. -0.26 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

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

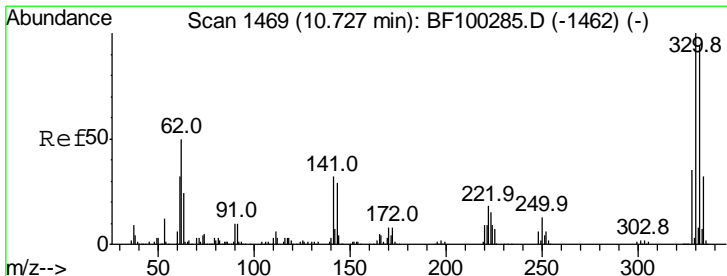
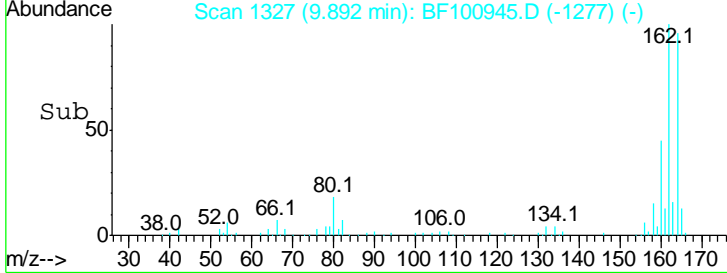
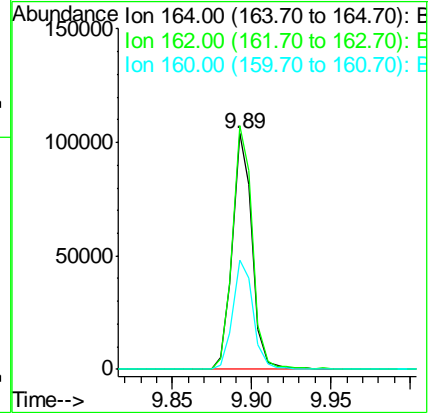
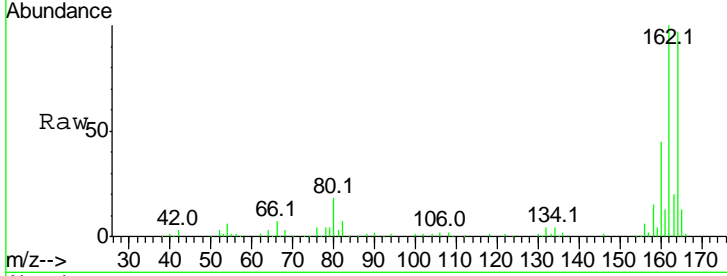




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. -0.01 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

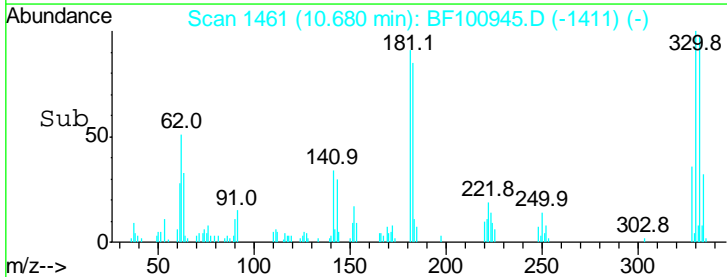
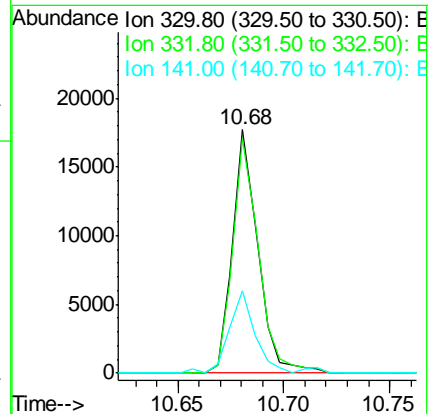
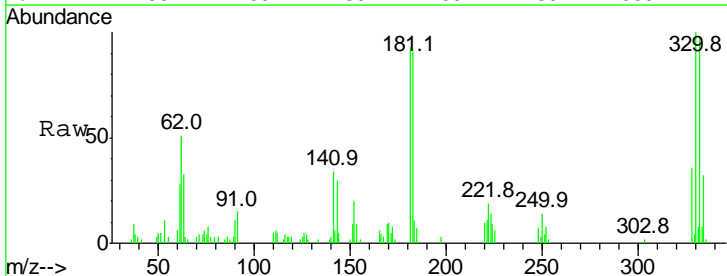
Instrument :  
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 ClientSampled :

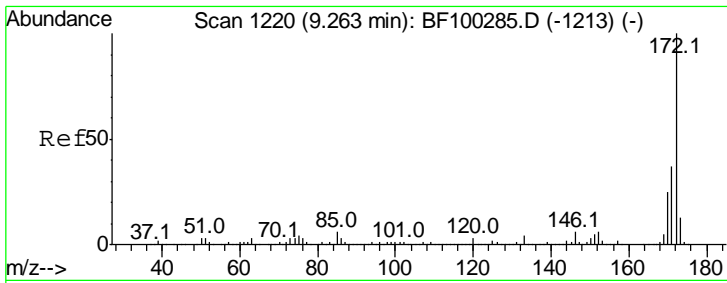
Tgt Ion	Resp	Lower	Upper
164	100		
162	103.4	86.1	129.1
160	46.5	38.3	57.5



#41  
 2,4,6-Tribromophenol  
 Concen: 16.056 ng  
 RT: 10.68 min Scan# 1461  
 Delta R.T. -0.01 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

Tgt Ion	Resp	Lower	Upper
330	100		
332	98.8	77.0	115.6
141	34.4	29.9	44.9



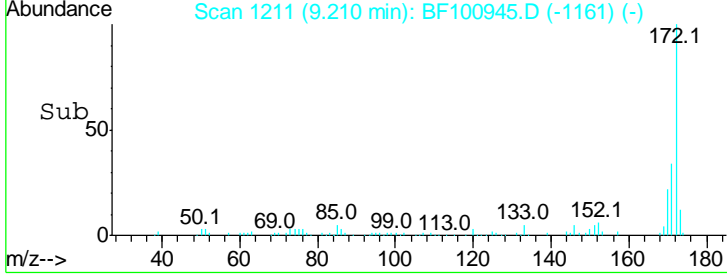
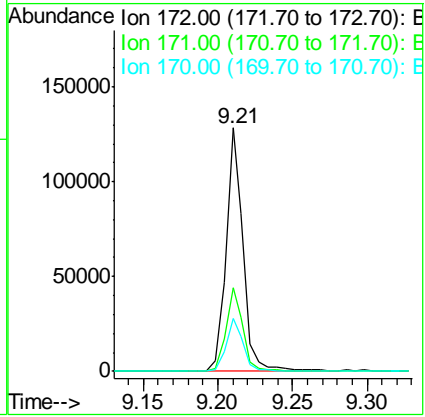
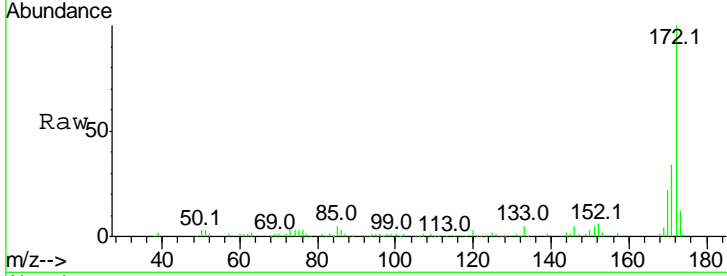


#44  
 2-Fluorobiphenyl  
 Concen: 17.719 ng  
 RT: 9.21 min Scan# 1211  
 Delta R.T. -0.01 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion:172 Resp: 104362

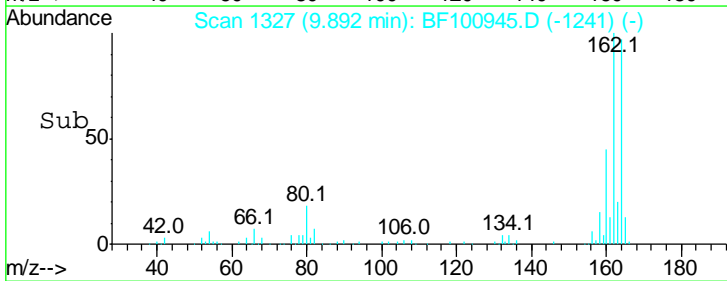
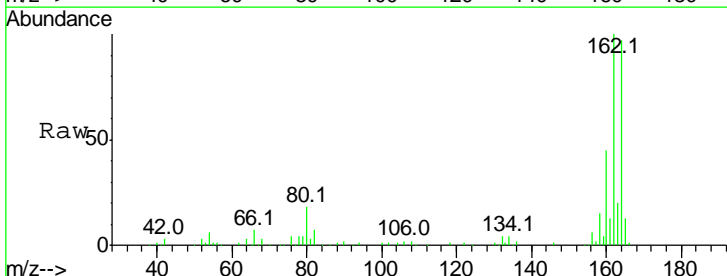
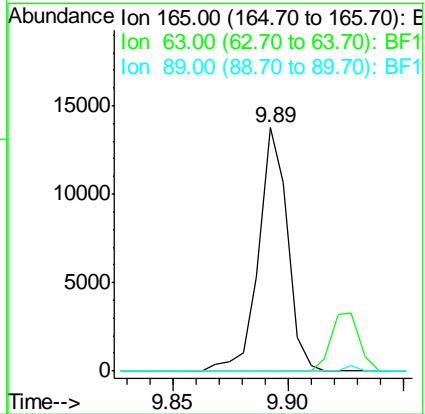
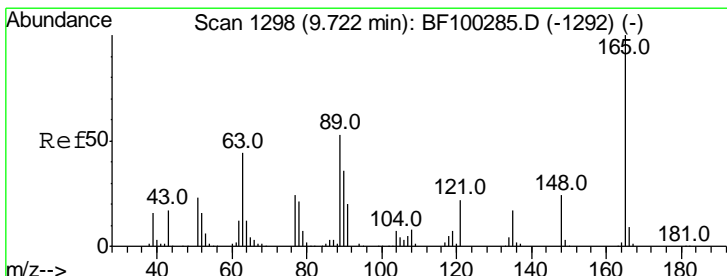
Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.7	44.5
170	21.6	19.6	29.4

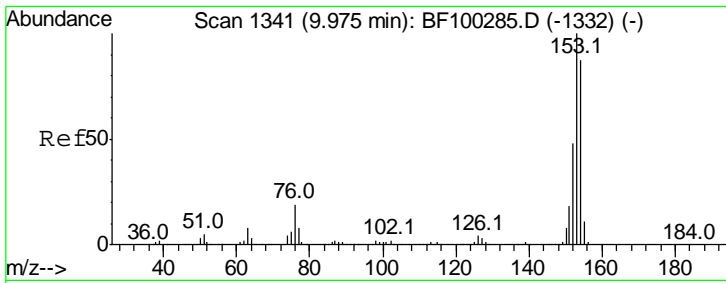


#50  
 2,6-Dinitrotoluene  
 Concen: 8.823 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. 0.21 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

Tgt Ion:165 Resp: 11959

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

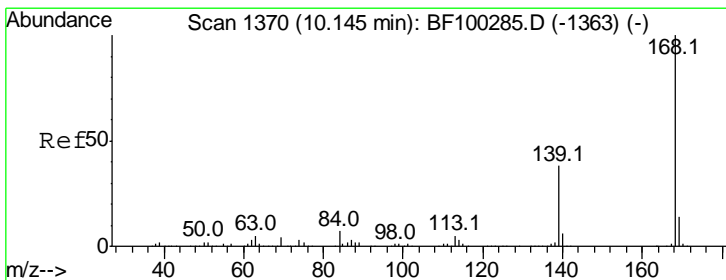
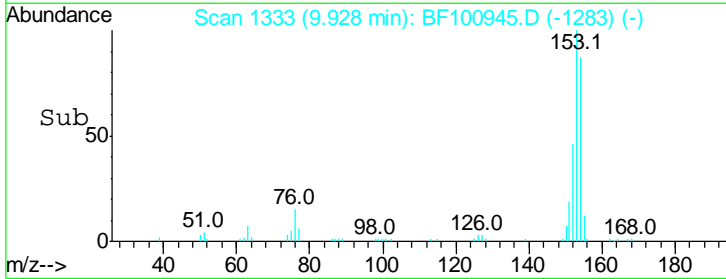
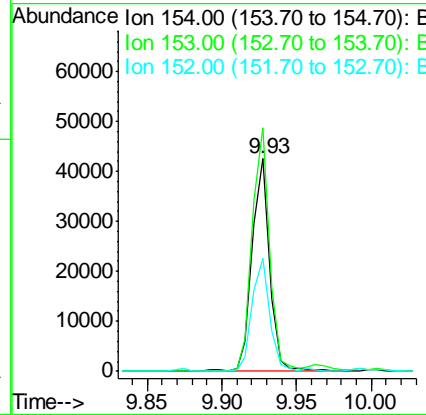
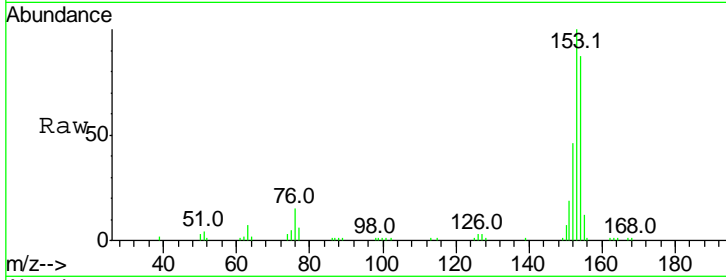




#51  
 Acenaphthene  
 Concen: 6.101 ng  
 RT: 9.93 min Scan# 1333  
 Delta R.T. -0.01 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

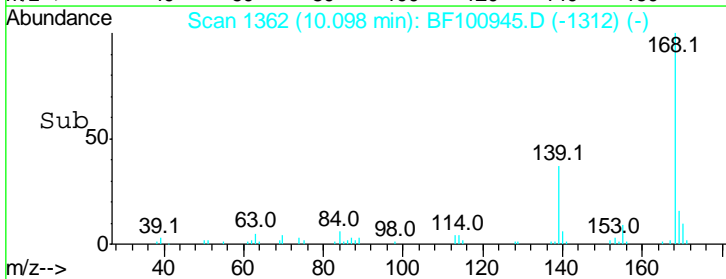
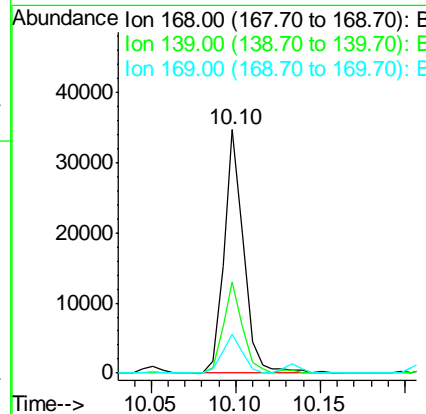
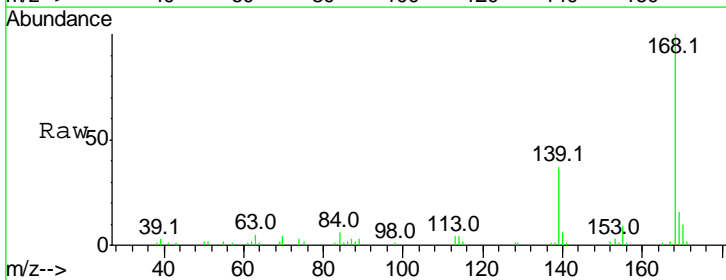
Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
154	100		
153	114.6	91.2	136.8
152	53.0	43.8	65.8

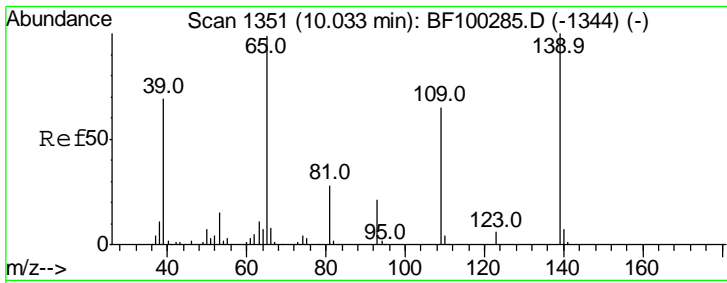


#54  
 Dibenzofuran  
 Concen: 3.534 ng  
 RT: 10.10 min Scan# 1362  
 Delta R.T. -0.01 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

Tgt Ion	Resp	Lower	Upper
168	100		
139	37.4	30.1	45.1
169	15.9	10.9	16.3



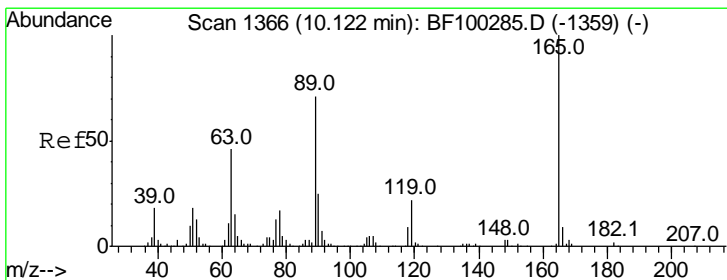
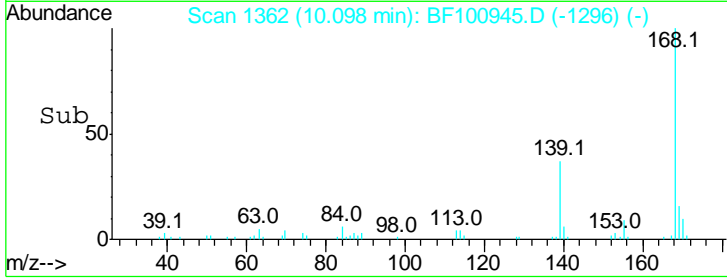
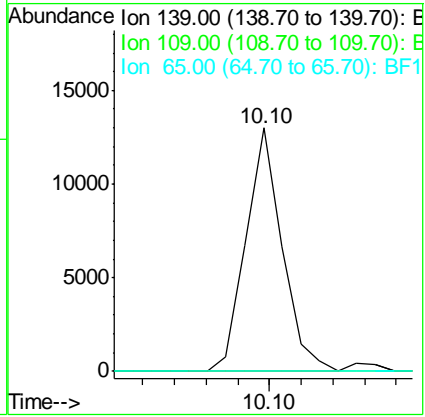
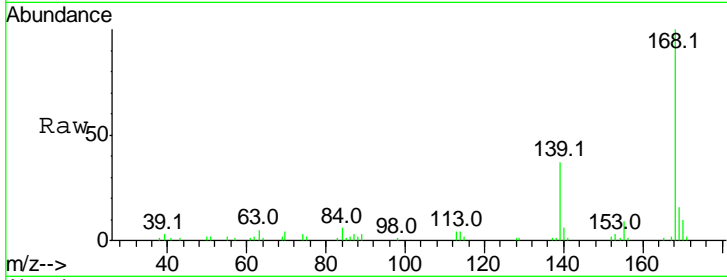




#55  
 4-Nitrophenol  
 Concen: 7.912 ng  
 RT: 10.10 min Scan# 1362  
 Delta R.T. 0.09 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

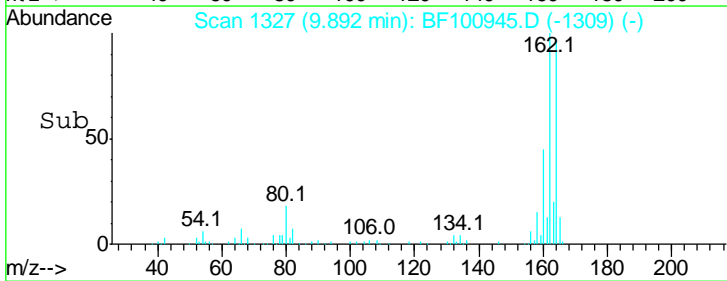
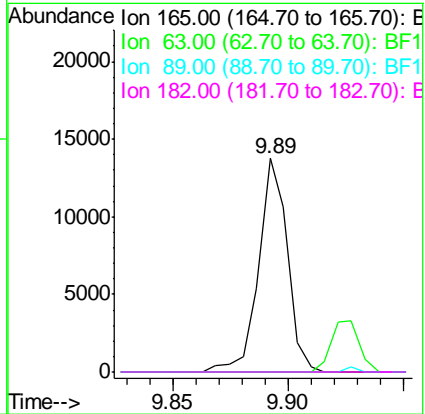
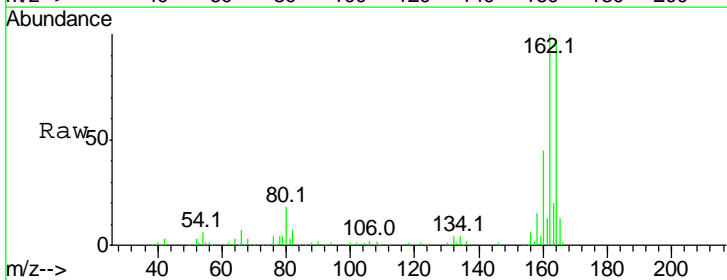
Instrument :  
 BNA\_F  
 ClientSampled :

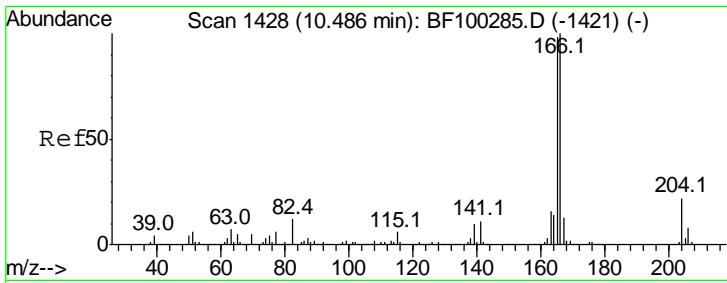
Tgt Ion	Resp	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#



#56  
 2,4-Dinitrotoluene  
 Concen: 6.994 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. -0.19 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

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

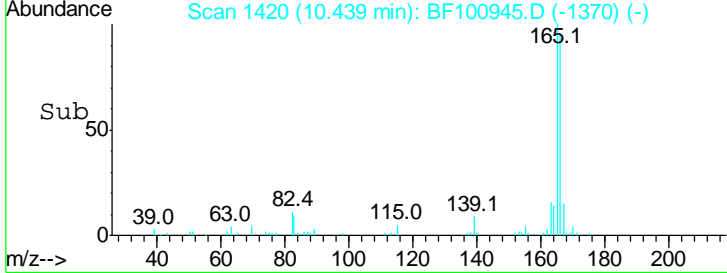
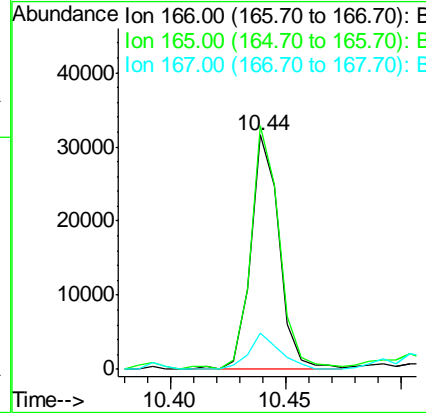
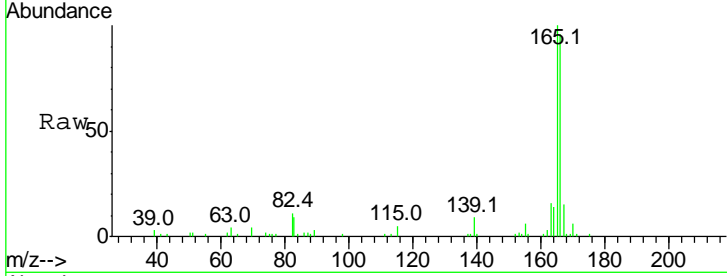




#57  
 Fluorene  
 Concen: 4.688 ng  
 RT: 10.44 min Scan# 1420  
 Delta R.T. -0.01 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

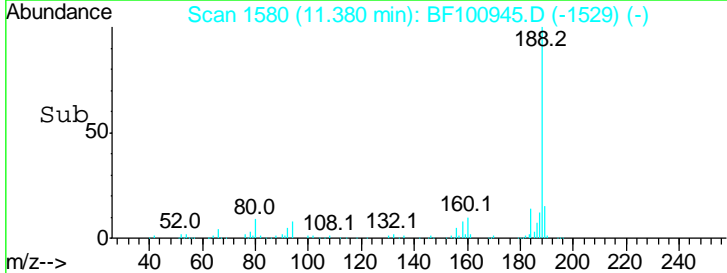
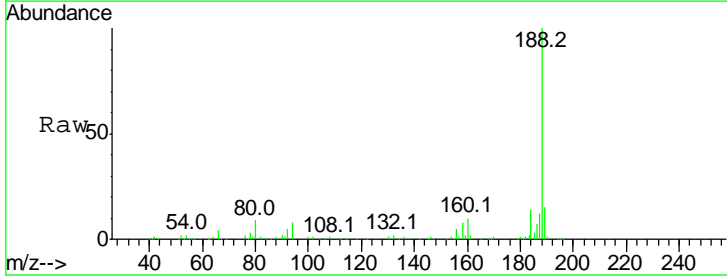
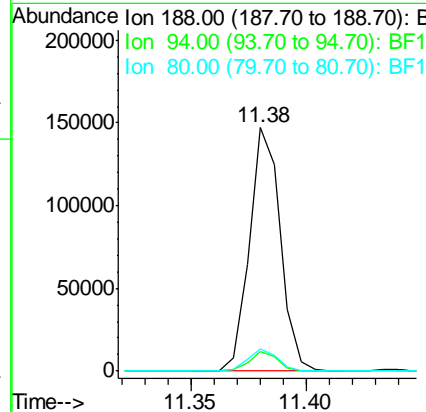
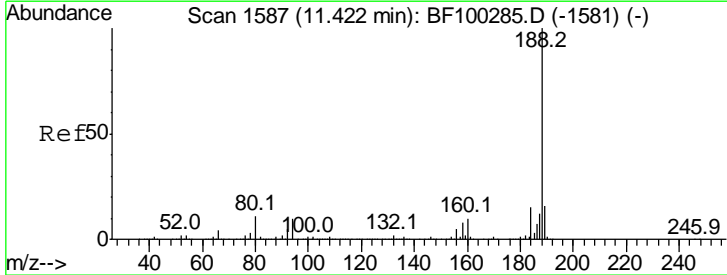
Instrument :  
 BNA\_F  
 ClientSampled :

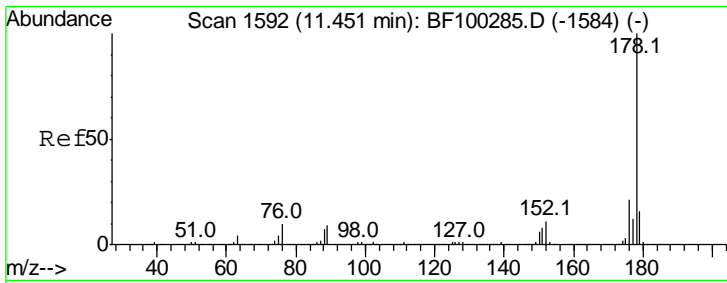
Tgt Ion	Resp	Lower	Upper
166	100		
165	103.8	79.8	119.8
167	15.2	10.6	16.0



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.38 min Scan# 1580  
 Delta R.T. -0.00 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

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

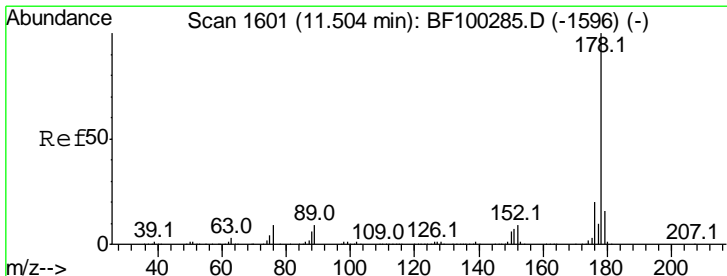
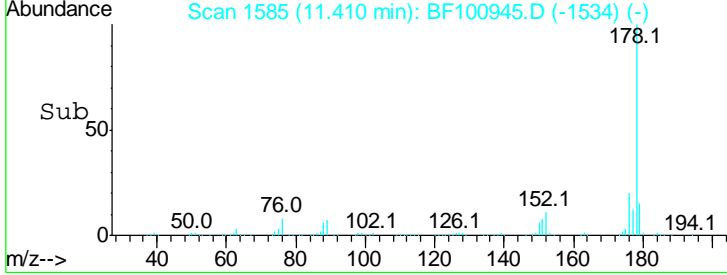
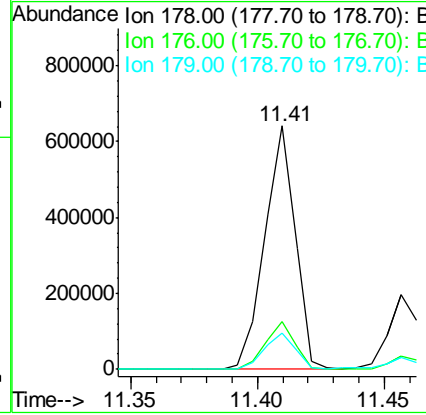
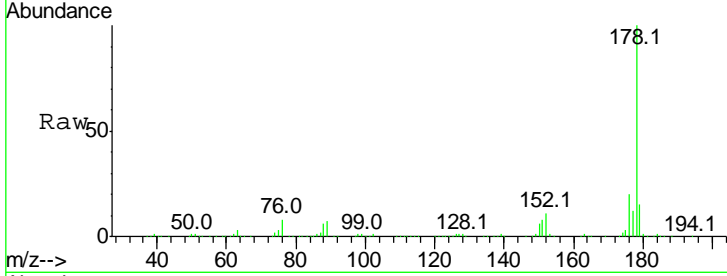




#70  
 Phenanthrene  
 Concen: 75.013 ng  
 RT: 11.41 min Scan# 1585  
 Delta R.T. -0.00 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

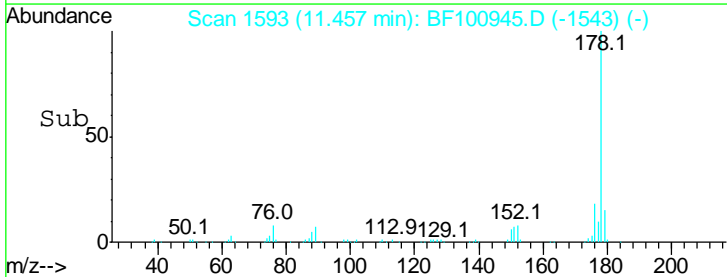
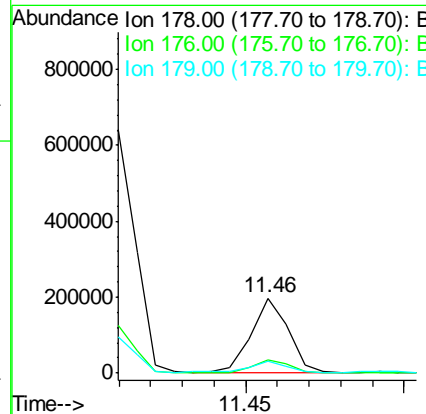
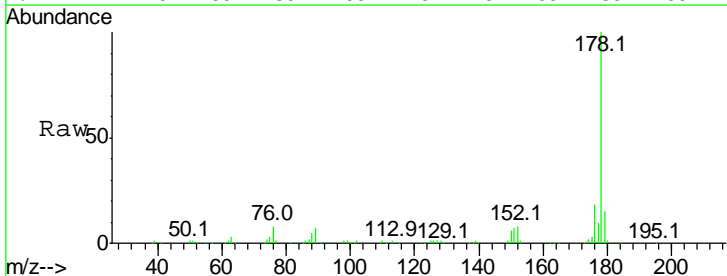
Instrument :  
 BNA\_F  
 ClientSampled :

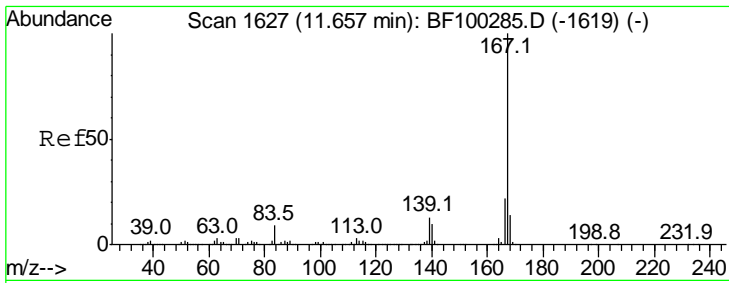
Tgt Ion	Resp	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.1	13.0	19.6



#71  
 Anthracene  
 Concen: 21.519 ng  
 RT: 11.46 min Scan# 1593  
 Delta R.T. -0.01 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

Tgt Ion	Resp	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	15.2	12.6	19.0



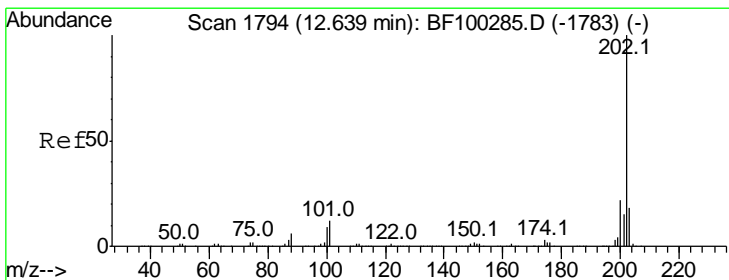
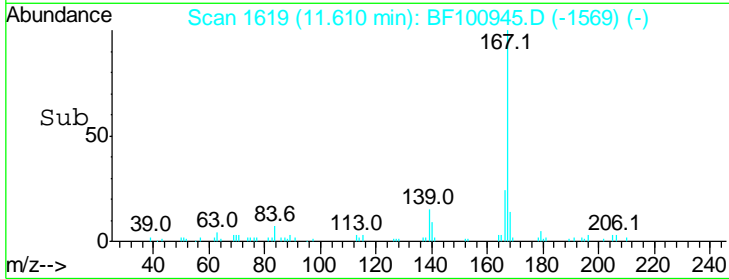
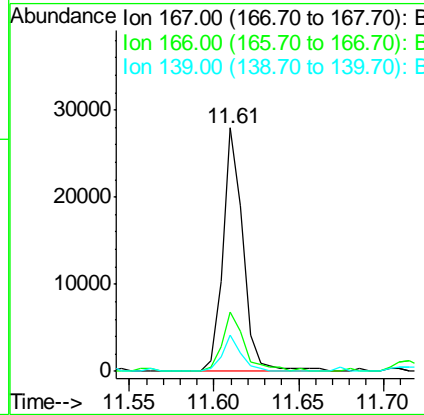
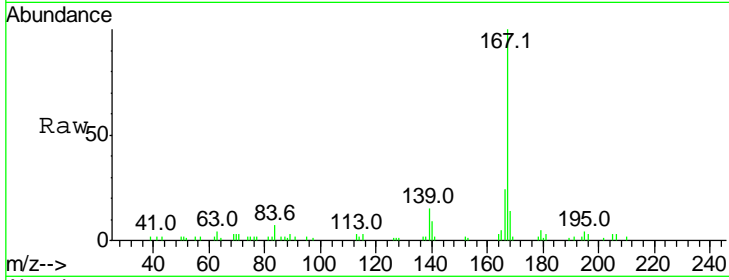


#72  
 Carbazole  
 Concen: 3.436 ng  
 RT: 11.61 min Scan# 1619  
 Delta R.T. -0.01 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion: 167 Resp: 23239

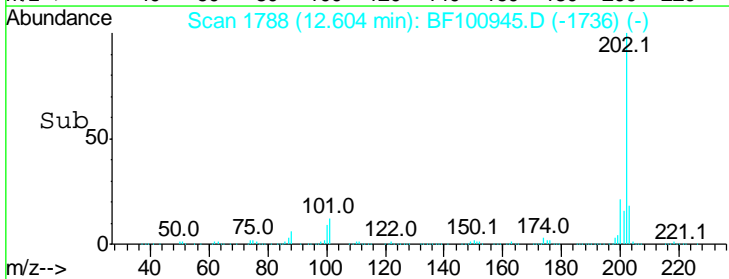
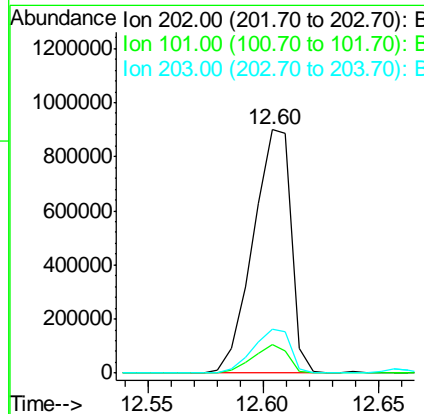
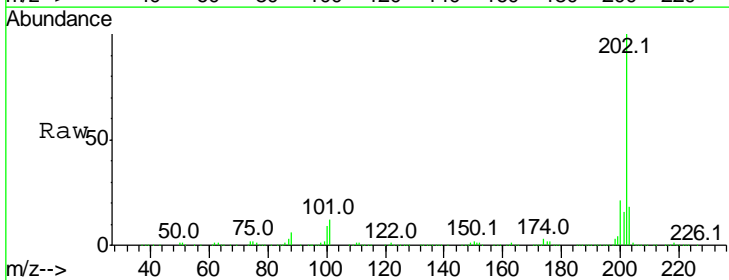
Ion	Ratio	Lower	Upper
167	100		
166	24.1	17.6	26.4
139	14.7	10.9	16.3

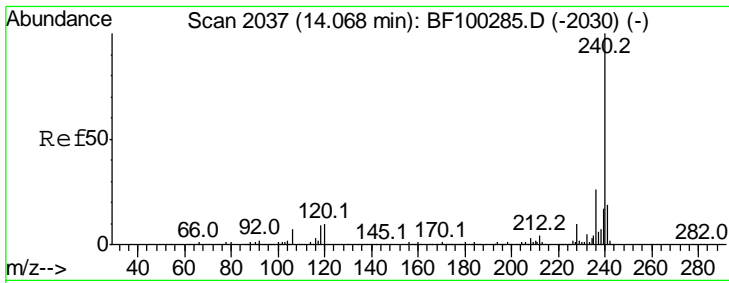


#74  
 Fluoranthene  
 Concen: 135.257 ng  
 RT: 12.60 min Scan# 1788  
 Delta R.T. 0.01 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

Tgt Ion: 202 Resp: 1035601

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	34.1
203	18.2	0.0	38.1

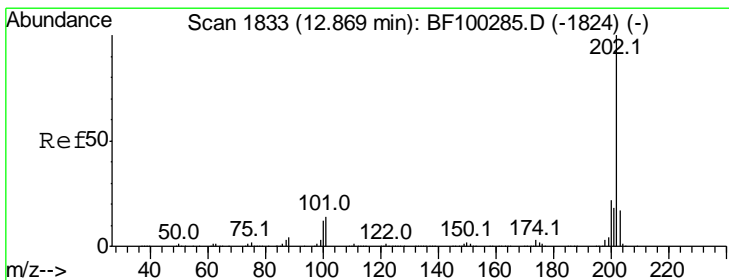
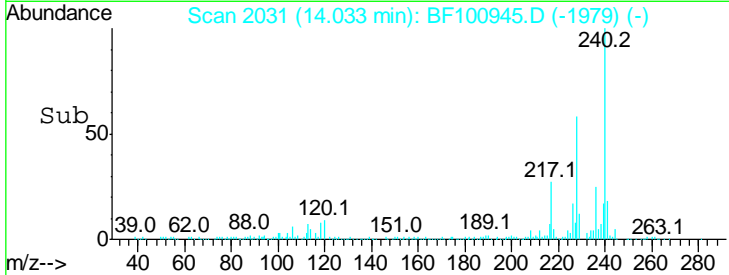
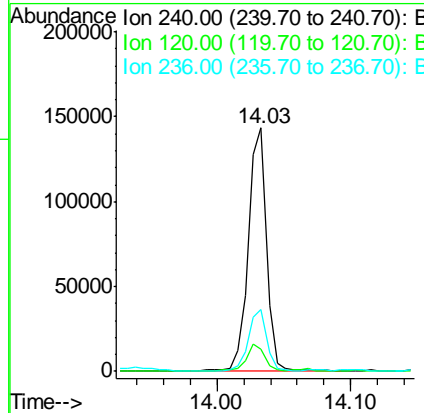
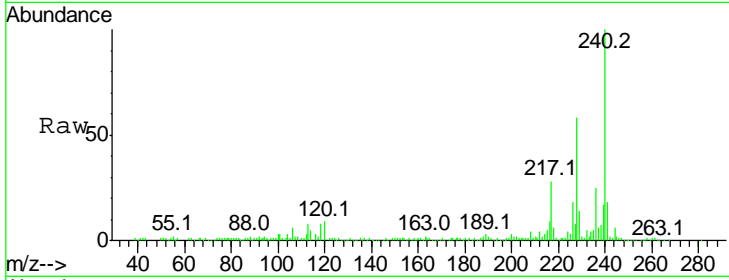




#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.03 min Scan# 2031  
 Delta R.T. 0.01 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

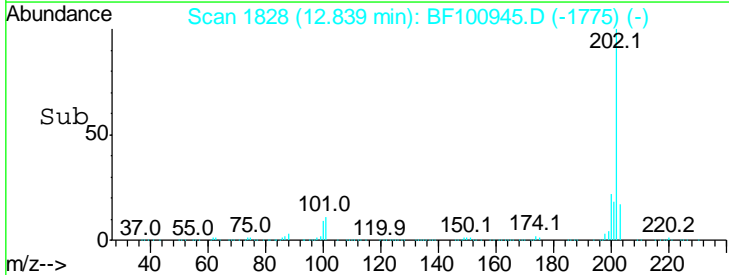
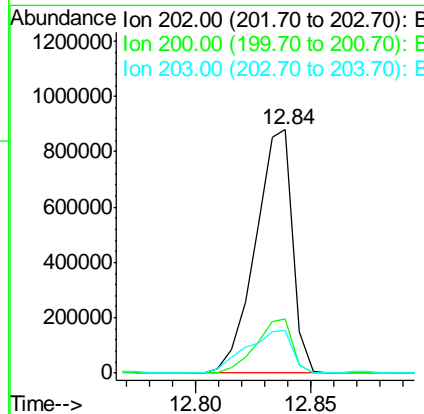
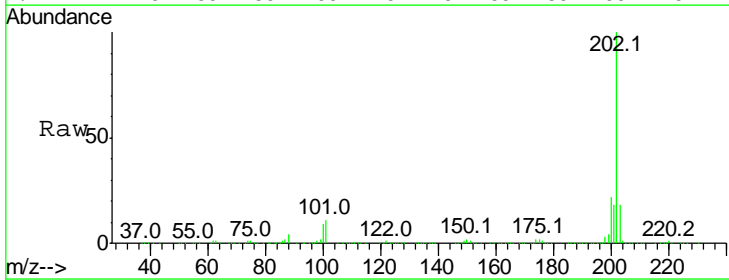
Instrument :  
 BNA\_F  
 ClientSampled :

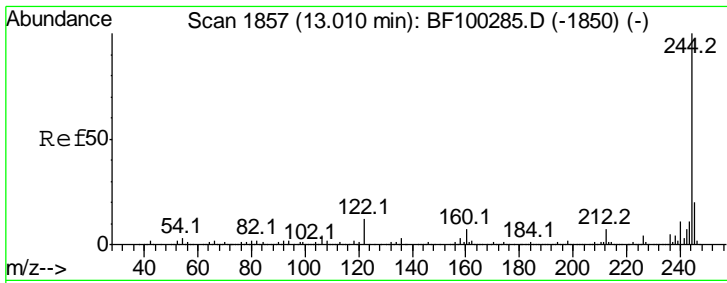
Tgt Ion	Resp	Lower	Upper
240	100		
120	9.3	9.5	14.3#
236	25.3	20.7	31.1



#77  
 Pyrene  
 Concen: 103.119 ng  
 RT: 12.84 min Scan# 1828  
 Delta R.T. 0.01 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

Tgt Ion	Resp	Lower	Upper
202	100		
200	22.0	17.4	26.2
203	17.6	14.3	21.5

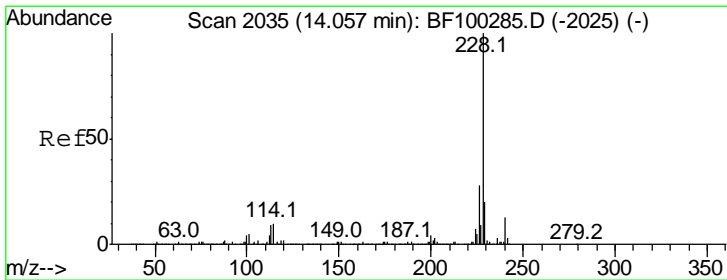
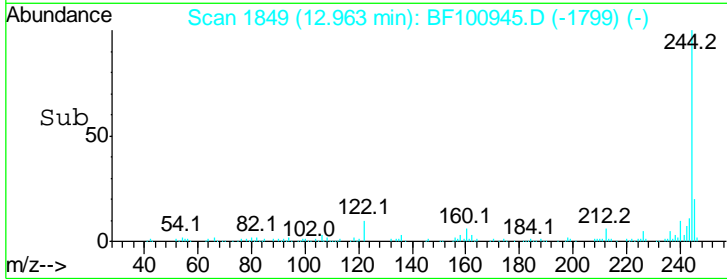
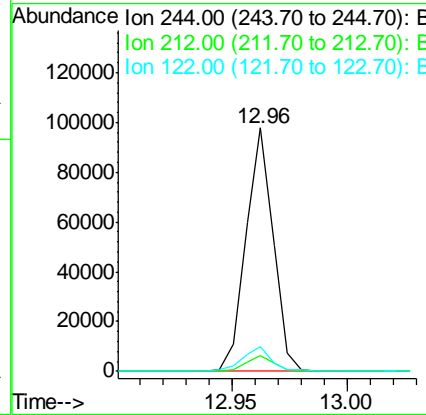
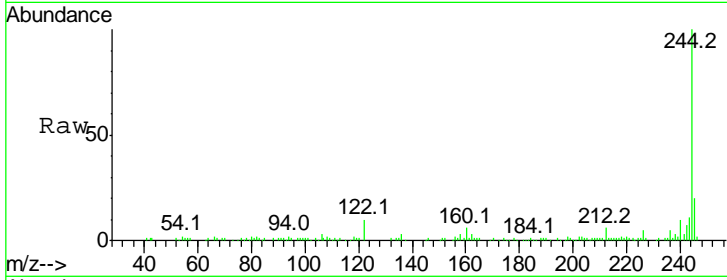




#78  
 Terphenyl-d14  
 Concen: 13.843 ng  
 RT: 12.96 min Scan# 1849  
 Delta R.T. -0.01 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

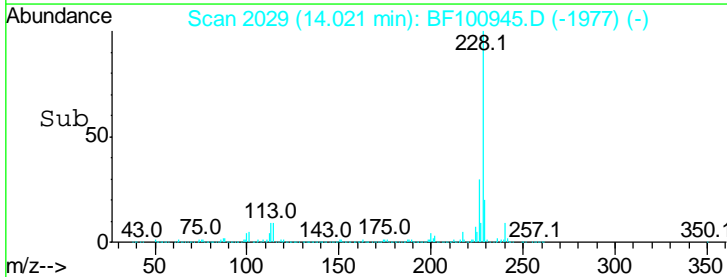
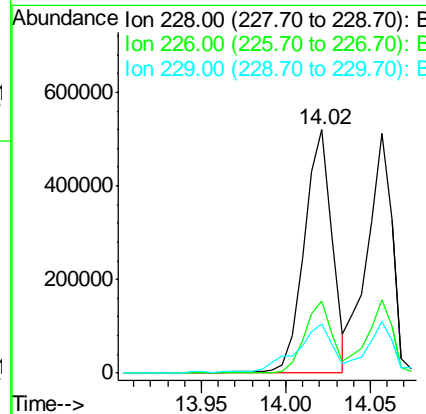
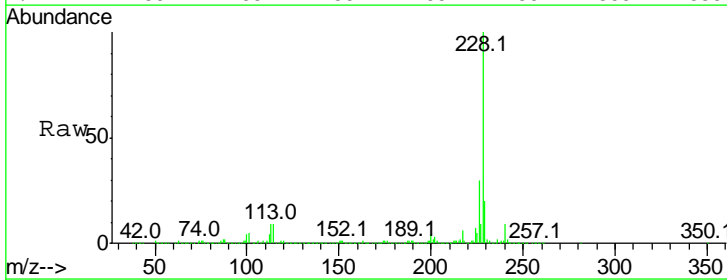
Instrument :  
 BNA\_F  
 ClientSampled :

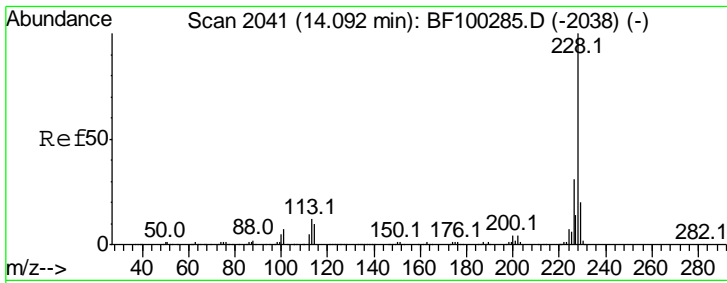
Tgt Ion	Resp	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	9.9	11.0	16.4#



#80  
 Benzo(a)anthracene  
 Concen: 73.321 ng  
 RT: 14.02 min Scan# 2029  
 Delta R.T. 0.01 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

Tgt Ion	Resp	Lower	Upper
228	100		
226	29.8	22.6	33.8
229	20.3	15.8	23.6

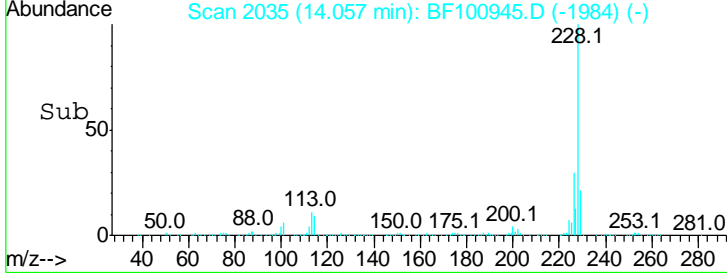
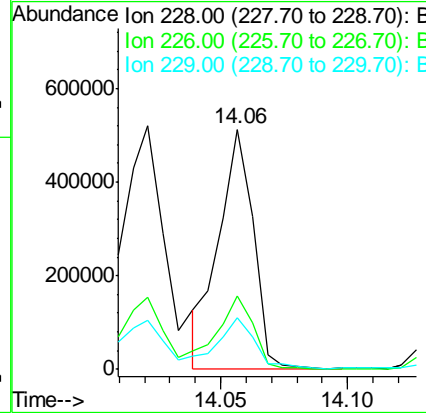
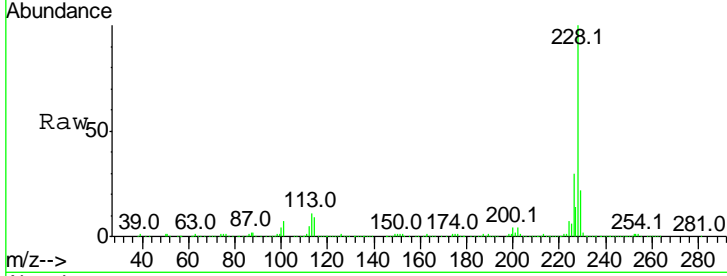




#82  
 Chrysene  
 Concen: 62.042 ng  
 RT: 14.06 min Scan# 2035  
 Delta R.T. -0.00 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

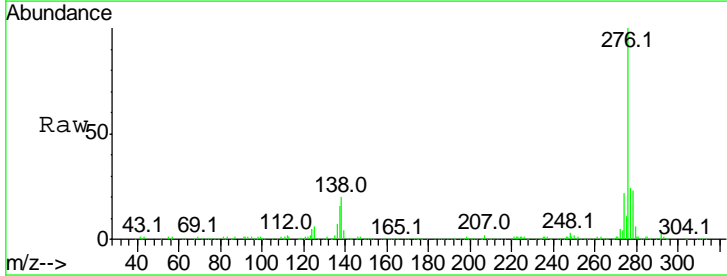
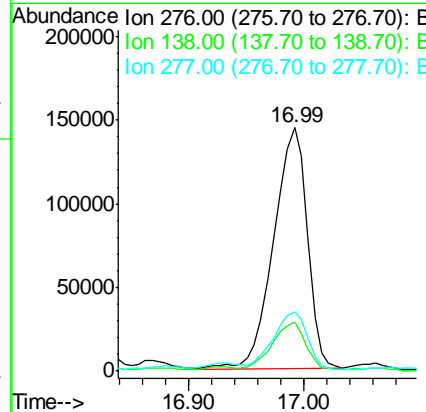
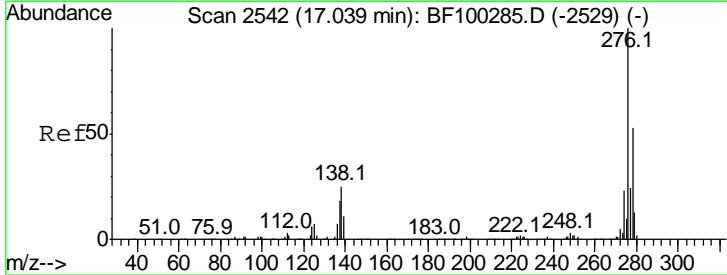
Instrument :  
 BNA\_F  
 ClientSampled :

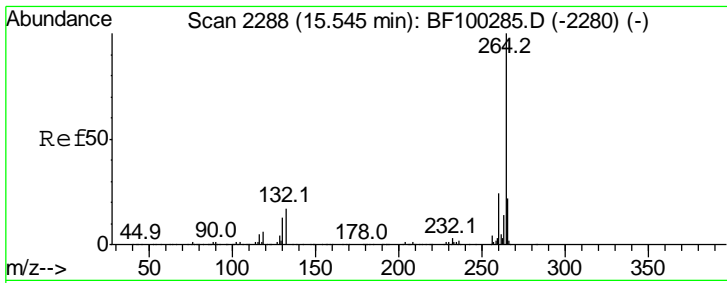
Tgt Ion	Resp	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	21.5	16.2	24.4



#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 46.624 ng  
 RT: 16.99 min Scan# 2534  
 Delta R.T. 0.02 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

Tgt Ion	Resp	Lower	Upper
276	100		
138	19.6	25.0	37.6#
277	23.7	20.1	30.1

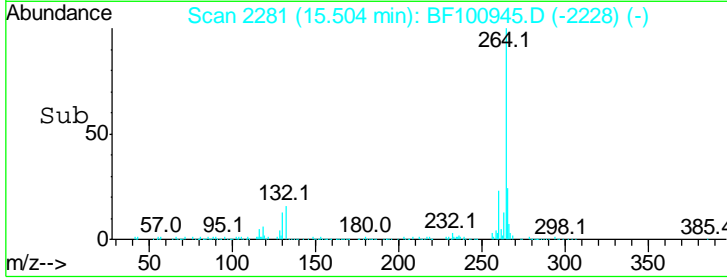
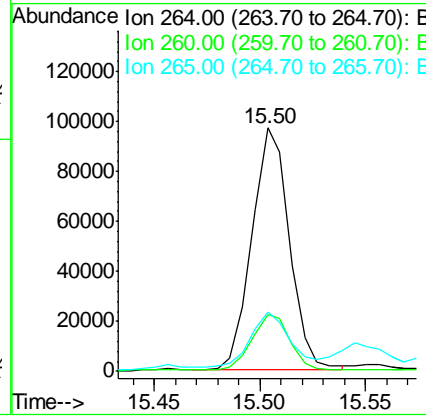
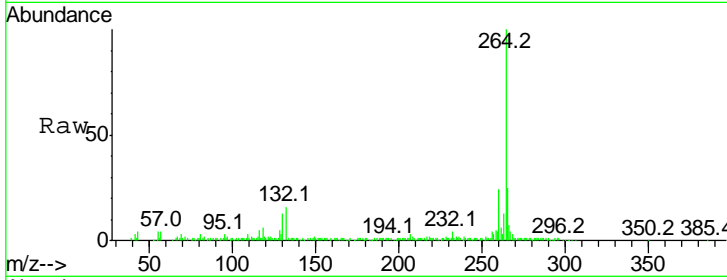




#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.50 min Scan# 2281  
 Delta R.T. 0.01 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

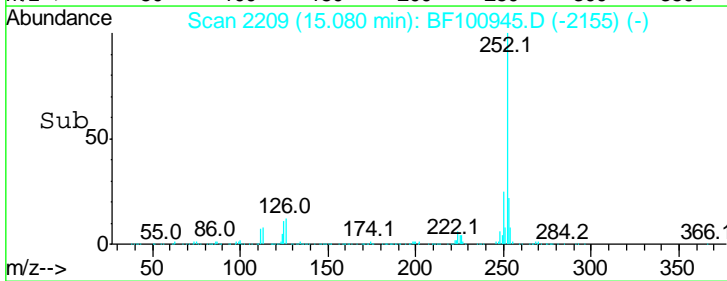
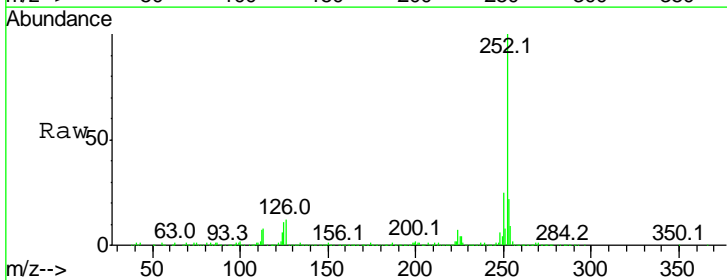
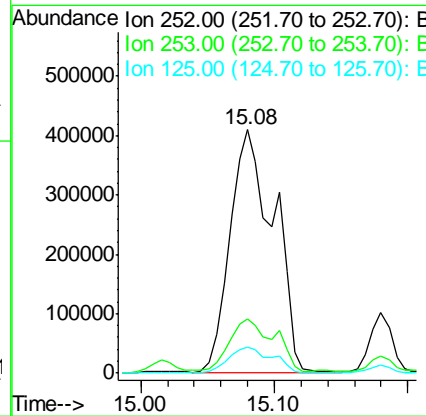
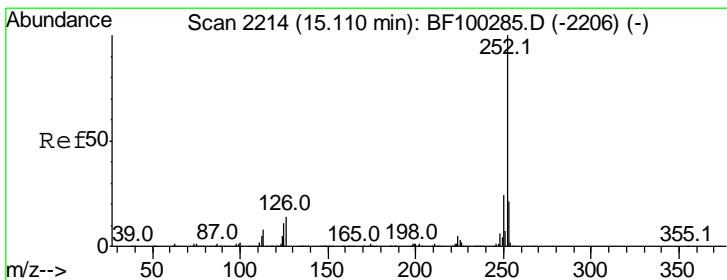
Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	24.6	17.5	26.3

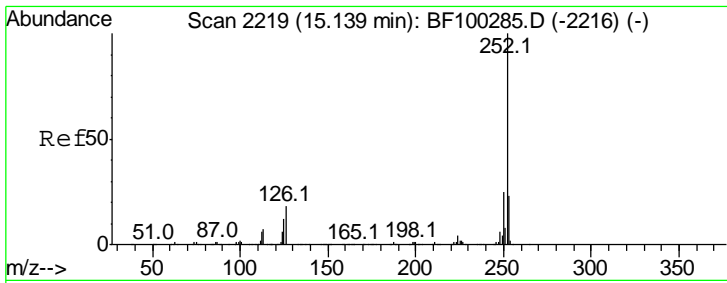


#87  
 Benzo(b)fluoranthene  
 Concen: 131.604 ng  
 RT: 15.08 min Scan# 2209  
 Delta R.T. 0.02 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

Tgt Ion	Resp	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	10.9	9.0	13.6



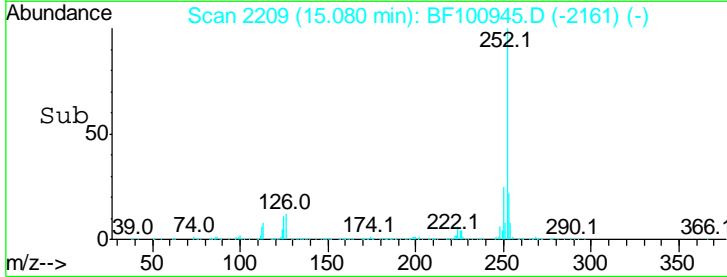
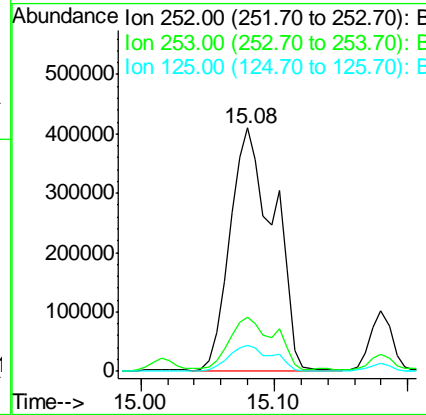
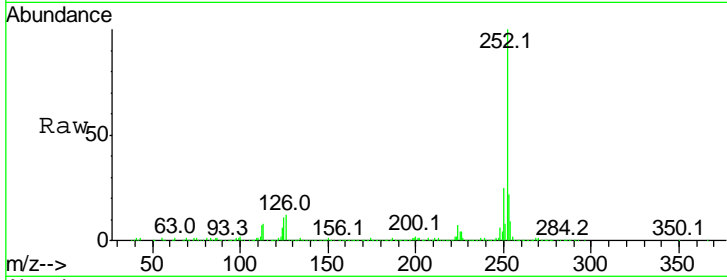




#88  
 Benzo(k)fluoranthene  
 Concen: 139.284 ng  
 RT: 15.08 min Scan# 2209  
 Delta R.T. -0.02 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

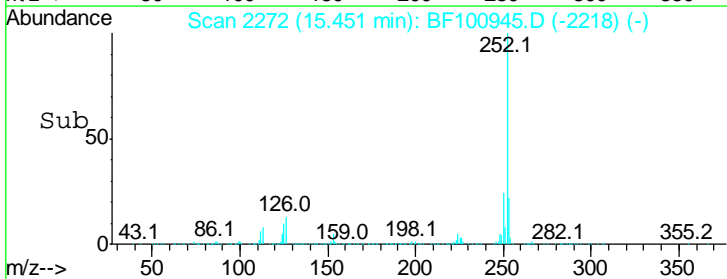
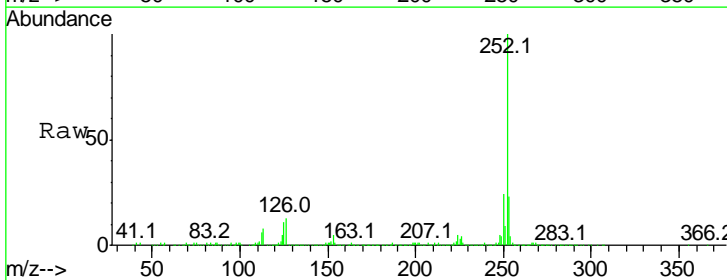
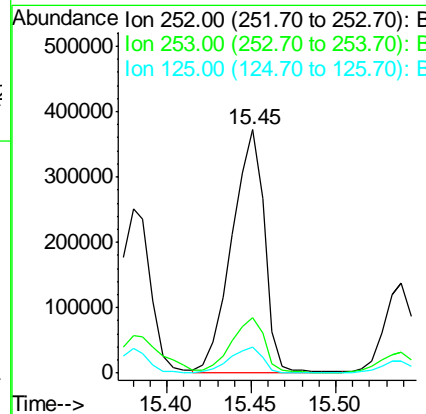
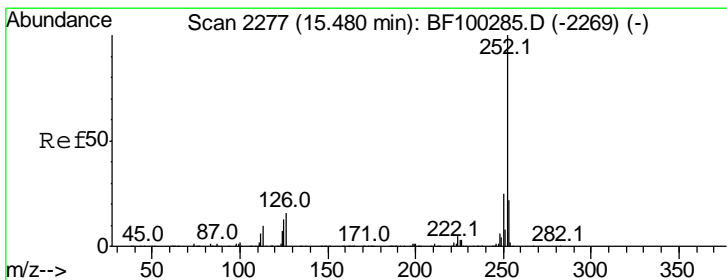
Instrument :  
 BNA\_F  
 ClientSampled :

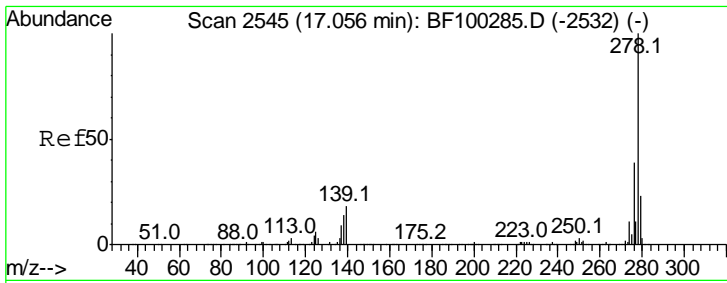
Tgt Ion	Resp	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	10.9	10.2	15.2



#89  
 Benzo(a)pyrene  
 Concen: 78.734 ng  
 RT: 15.45 min Scan# 2272  
 Delta R.T. 0.02 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

Tgt Ion	Resp	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	10.5	9.8	14.6

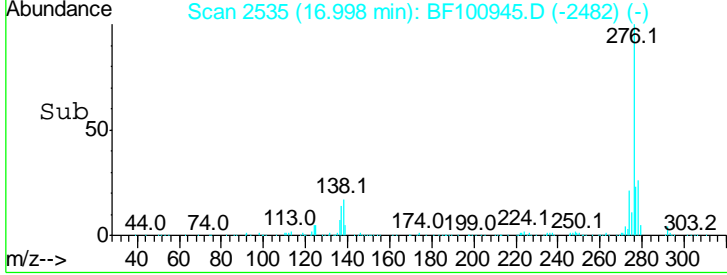
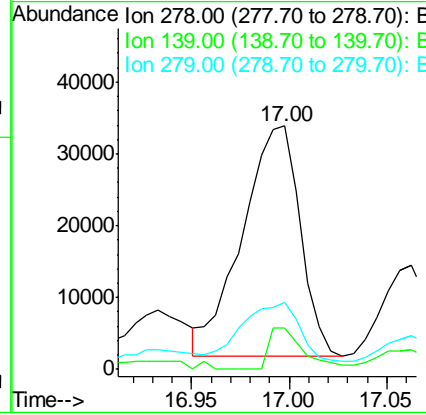
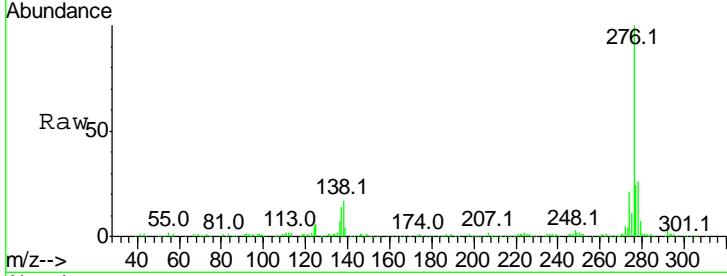




#90  
 Dibenzo(a,h)anthracene  
 Concen: 12.802 ng  
 RT: 17.00 min Scan# 2535  
 Delta R.T. 0.01 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
278	100		
139	17.0	15.9	23.9
279	27.3	19.0	28.4



#91  
 Benzo(g,h,i)perylene  
 Concen: 57.231 ng  
 RT: 17.44 min Scan# 2611  
 Delta R.T. 0.02 min  
 Lab File: BF100945.D  
 Acq: 28 Nov 2017 20:20

Tgt Ion	Resp	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	20.7	21.8	32.8#

